

# V&V Reference Report

## L2 ASCDS Version : 8.4.3.1

Observation 58871 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Apr 5 2012

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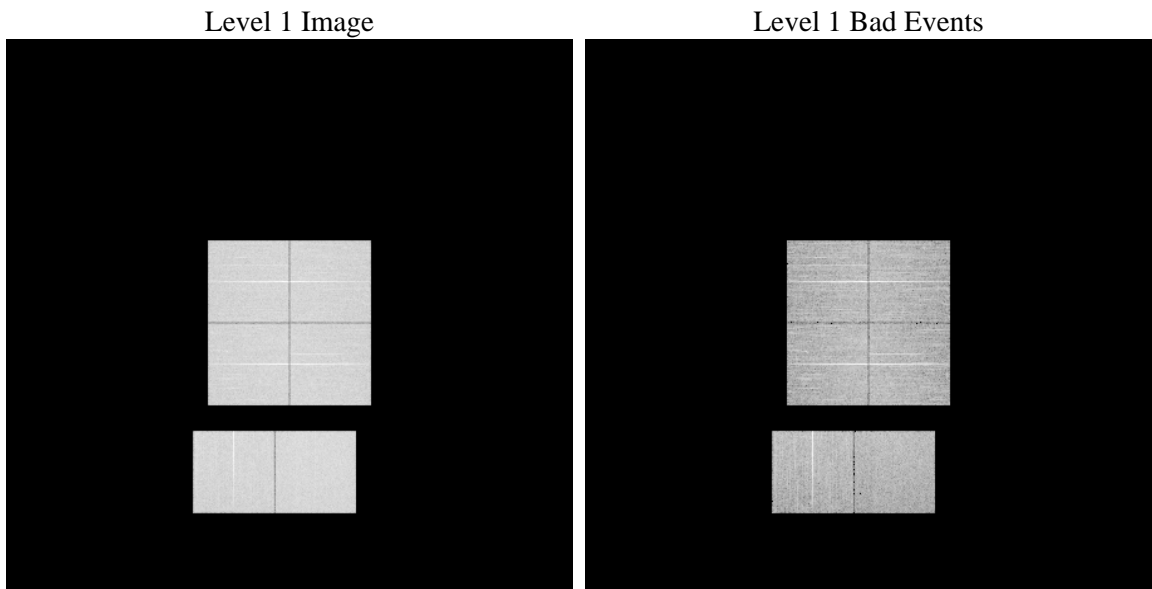
# 1 Front

seq_num	&#160	Sequence number
obs_id	58871	Observation id
title	ACIS-012367 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	290.48122797219	Nominal RA [deg]
dec_nom	13.377334423066	Nominal Dec [deg]
roll_nom	191.8059384017	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8172.7999696136	Sum of GTIs [s]
livetime	8069.311055329	Livetime [s]
ontime0	8172.7999696136	Sum of GTIs [s]
ontime1	8172.7999696136	Sum of GTIs [s]
ontime2	8172.7999696136	Sum of GTIs [s]
ontime3	8172.7999696136	Sum of GTIs [s]
ontime6	8172.7999696136	Sum of GTIs [s]
ontime7	8172.7999696136	Sum of GTIs [s]
l2events	874713	Number of level 2 events

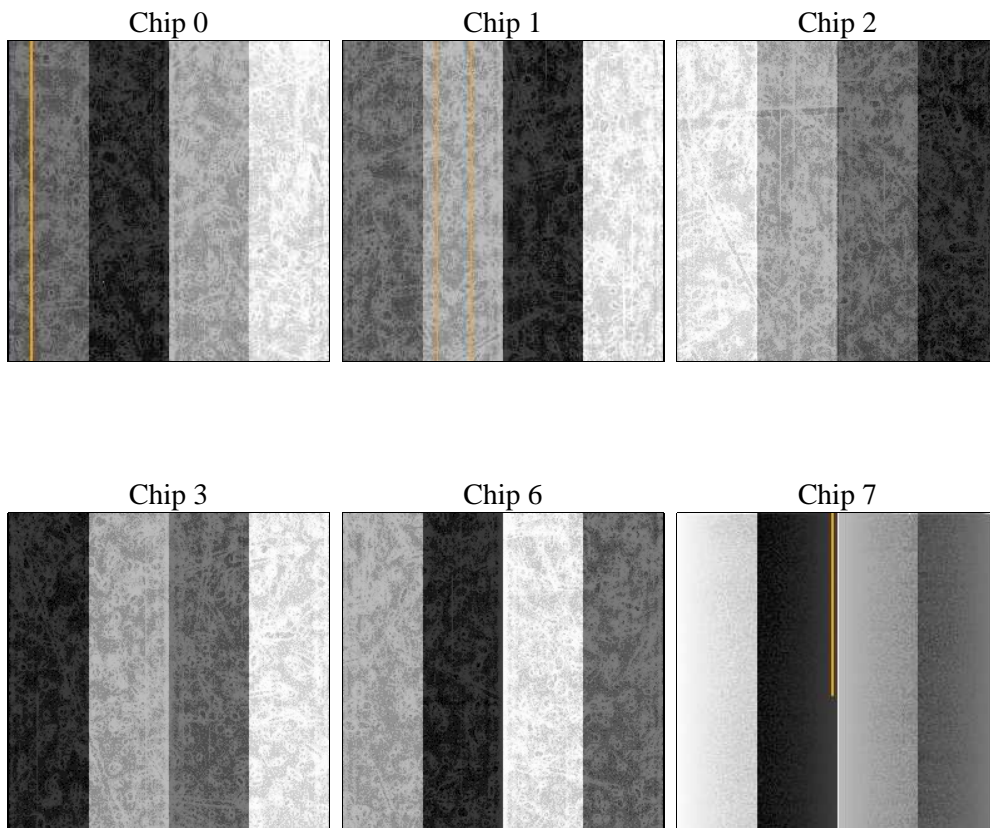
## 2 OBI

### 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	8.4.3.1	Processing system revision	ontime	8172.7999696136	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	8172.7999696136	Sum of GTIs [s]
date	2012-04-05T13:25:00	Date and time of file creation	ontime1	8172.7999696136	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8172.7999696136	Sum of GTIs [s]
			ontime3	8172.7999696136	Sum of GTIs [s]
			ontime6	8172.7999696136	Sum of GTIs [s]
			ontime7	8172.7999696136	Sum of GTIs [s]
			l1events	1339465	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	217116	214957	220137	220238	226750	240267	grade 0 events	81205	80604	83583	83989	83226	39459
rejected events	70251	67731	72571	71442	73801	62473		37%	37%	37%	38%	36%	16%
rejected %	32%	31%	32%	32%	32%	26%	grade 1 events	539	452	628	589	472	161
								0%	0%	0%	0%	0%	0%
							grade 2 events	26079	27094	24769	25605	26962	39302
								12%	12%	11%	11%	11%	16%
							grade 3 events	9640	9520	9828	9915	9872	17220
								4%	4%	4%	4%	4%	7%
							grade 4 events	9757	9559	9857	10006	9612	17266
								4%	4%	4%	4%	4%	7%
							grade 5 events	3661	3720	3479	4237	4141	9981
								1%	1%	1%	1%	1%	4%
							grade 6 events	21972	22318	21378	21098	25173	66819
								10%	10%	9%	9%	11%	27%
							grade 7 events	64263	61690	66615	64799	67292	50059
								29%	28%	30%	29%	29%	20%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	290.4812279721915
[deg] Pointing Dec	0	13.37733442306567
[deg] Pointing Roll	0.0	191.8059384016967
[mm] SIM focus pos	-0.782348	-0.6828225247311905
[mm] SIM defocus	0	0.8505141146731063
[mm] SIM translation stage pos	-233.592463	250.4635187648994
[mm] SIM translation stage offset	0	-0.007540371344731511
[s] Observation start time (MET)	269614901.227558	269614900.20255
Observation start date	2006-07-18T13:01:41	2006-07-18T13:01:40
[s] Observation end time (MET)	269638484.428662	269638483.40365
Observation end date	2006-07-18T19:34:44	2006-07-18T19:34:43
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)	2012.04.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1727999696136

### **A.2 Comments**