

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 54274 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Oct 6 2012

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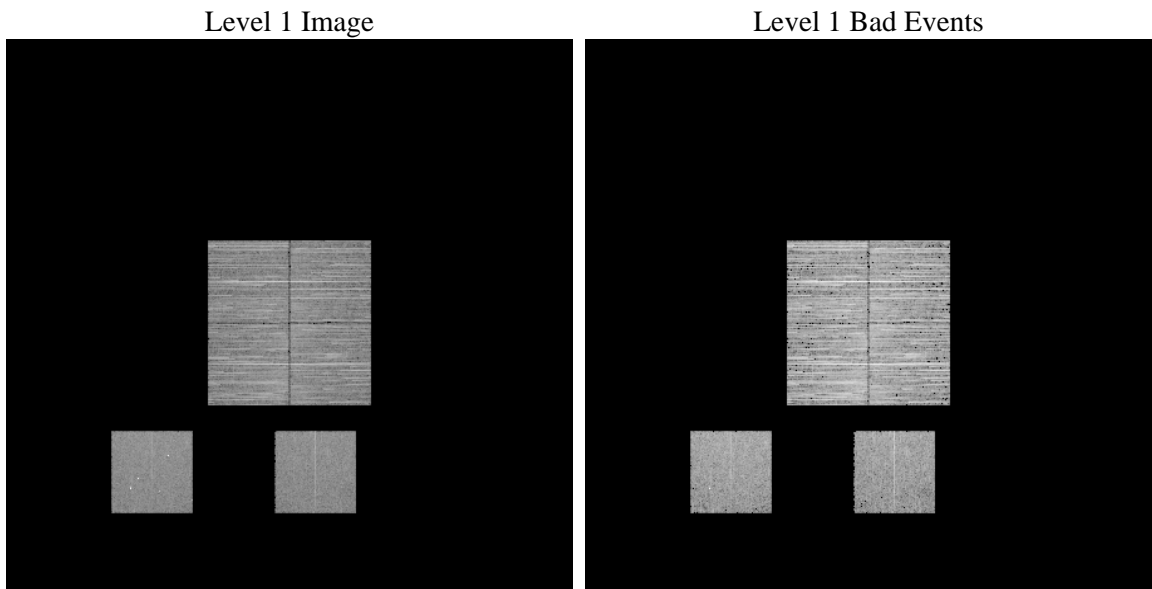
# 1 Front

seq_num	&#160	Sequence number
obs_id	54274	Observation id
title	ACIS-012357 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	309.97638484322	Nominal RA [deg]
dec_nom	47.972767368118	Nominal Dec [deg]
roll_nom	251.68149969484	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4595.0095511675	Sum of GTIs [s]
livetime	4536.824773448	Livetime [s]
ontime0	4594.9685111642	Sum of GTIs [s]
ontime1	4594.9274711609	Sum of GTIs [s]
ontime2	4594.8864311576	Sum of GTIs [s]
ontime3	4595.0505911708	Sum of GTIs [s]
ontime5	4594.8453911543	Sum of GTIs [s]
ontime7	4595.0095511675	Sum of GTIs [s]
l2events	154280	Number of level 2 events

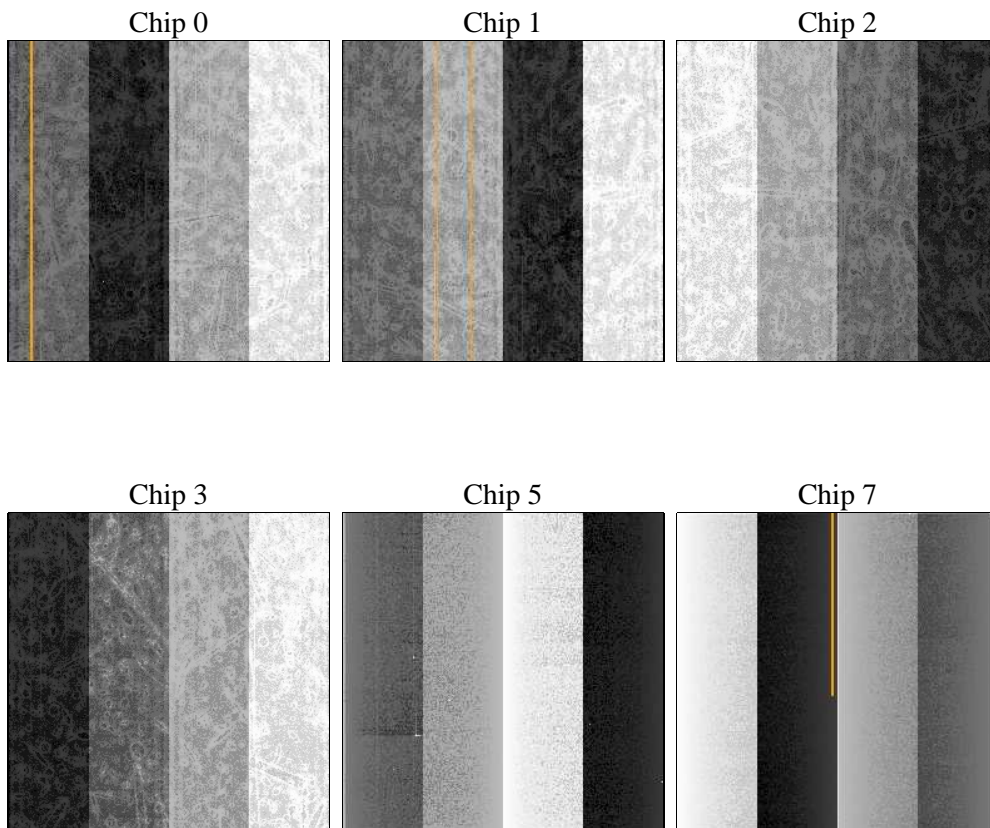
## 2 OBI

### 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	4595.0095511675	Sum of GTIs [s]
caldbver	4.5.2	&#160	ontime0	4594.9685111642	Sum of GTIs [s]
date	2012-10-06T08:27:47	Date and time of file creation	ontime1	4594.9274711609	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	4594.8864311576	Sum of GTIs [s]
			ontime3	4595.0505911708	Sum of GTIs [s]
			ontime5	4594.8453911543	Sum of GTIs [s]
			ontime7	4595.0095511675	Sum of GTIs [s]
			l1events	527763	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	91141	89290	96275	89733	83715	77609	grade 0 events	11010	10740	11327	11365	6533	5902
rejected events	69605	67793	74719	68261	42502	40068		12%	12%	11%	12%	7%	7%
rejected %	76%	75%	77%	76%	50%	51%	grade 1 events	61	59	64	69	137	46
								0%	0%	0%	0%	0%	0%
							grade 2 events	4234	4352	4148	3975	14709	9309
								4%	4%	4%	4%	17%	11%
							grade 3 events	1485	1523	1441	1454	1571	3163
								1%	1%	1%	1%	1%	4%
							grade 4 events	1458	1480	1443	1494	1453	3113
								1%	1%	1%	1%	1%	4%
							grade 5 events	1641	1782	1580	1900	3896	4761
								1%	1%	1%	2%	4%	6%
							grade 6 events	3452	3516	3300	3279	17156	16240
								3%	3%	3%	3%	20%	20%
							grade 7 events	67800	65838	72972	66197	38260	35075
								74%	73%	75%	73%	45%	45%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012357	ACIS-012357	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	309.9763848432191	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	47.97276736811784	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	251.6814996948401	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	465853432.173765	465853431.14876			
Observation start date	2012-10-05T19:43:52	2012-10-05T19:43:51			
[s] Observation end time (MET)	465859340.274082	465859339.24908			
Observation end date	2012-10-05T21:22:20	2012-10-05T21:22:19			
Read mode	TIMED	TIMED			

## 2.3 Star Slots

## 2.4 FID Slots

## A Summary

### A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.10.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.5950095511675

### A.2 Comments