

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 56474 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jun 20 2012

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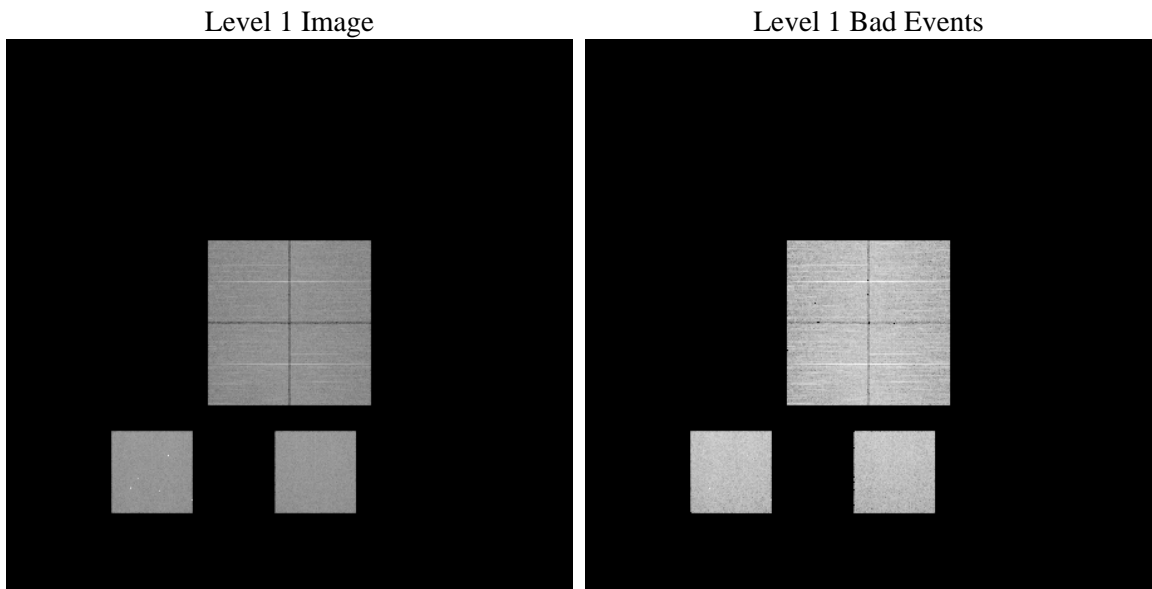
# 1 Front

seq_num	&#160	Sequence number
obs_id	56474	Observation id
title	ACIS-012357 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	&#160	Source name
dtycle	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	148.7634509211	Nominal RA [deg]
dec_nom	38.298723831675	Nominal Dec [deg]
roll_nom	149.67189351997	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8121.5999698043	Sum of GTIs [s]
livetime	8018.7593807462	Livetime [s]
ontime0	8121.5999698043	Sum of GTIs [s]
ontime1	8121.5999698043	Sum of GTIs [s]
ontime2	8121.5999698043	Sum of GTIs [s]
ontime3	8121.5999698043	Sum of GTIs [s]
ontime5	8121.5999698043	Sum of GTIs [s]
ontime7	8121.5999698043	Sum of GTIs [s]
l2events	493723	Number of level 2 events

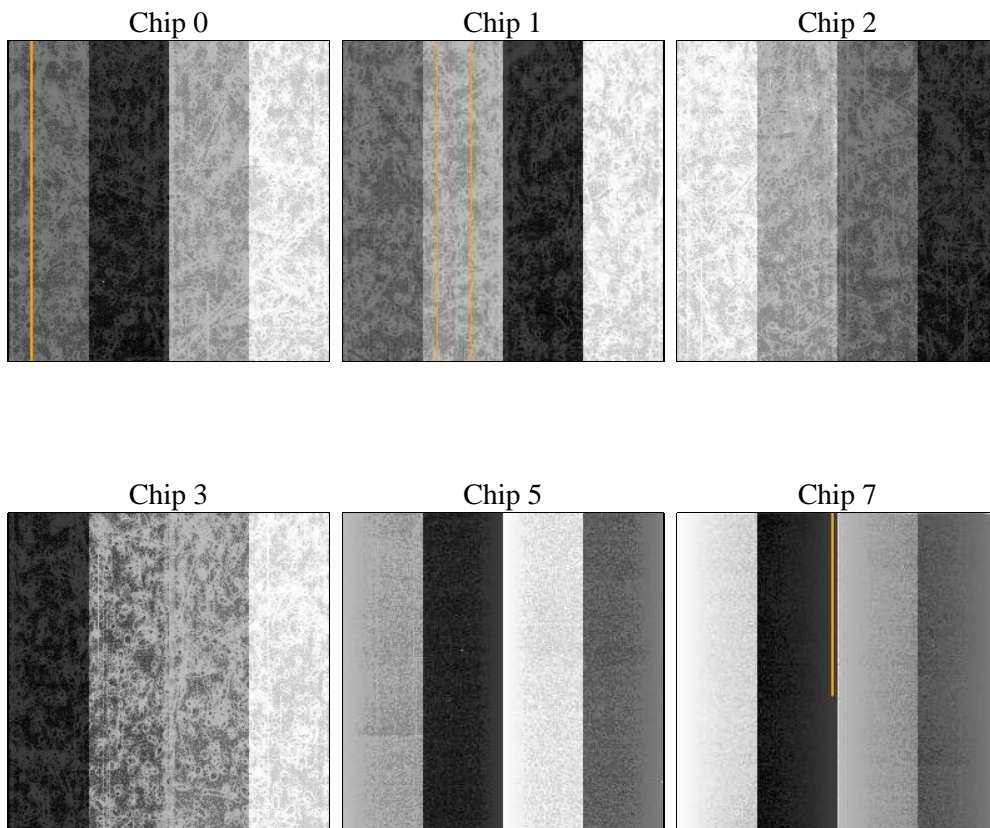
## 2 OBI

### 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	8121.5999698043	Sum of GTIs [s]
caldsver	4.4.10	&#160	ontime0	8121.5999698043	Sum of GTIs [s]
date	2012-06-21T00:52:32	Date and time of file creation	ontime1	8121.5999698043	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8121.5999698043	Sum of GTIs [s]
			ontime3	8121.5999698043	Sum of GTIs [s]
			ontime5	8121.5999698043	Sum of GTIs [s]
			ontime7	8121.5999698043	Sum of GTIs [s]
			l1events	974955	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	145678	147697	152559	154180	189679	185162	grade 0 events	40096	39681	40211	41351	17617	20899
rejected events	71803	72822	79481	79458	76115	74087		27%	26%	26%	26%	9%	11%
rejected %	49%	49%	52%	51%	40%	40%	grade 1 events	294	257	321	341	248	154
								0%	0%	0%	0%	0%	0%
							grade 2 events	13938	14857	13090	13394	41649	24819
								9%	10%	8%	8%	21%	13%
							grade 3 events	5011	4988	5051	5351	4994	10105
								3%	3%	3%	3%	2%	5%
							grade 4 events	5071	5052	5230	5206	4928	10276
								3%	3%	3%	3%	2%	5%
							grade 5 events	4277	4456	3981	4612	9759	11429
								2%	3%	2%	2%	5%	6%
							grade 6 events	12208	12644	11687	11930	47276	48088
								8%	8%	7%	7%	24%	25%
							grade 7 events	64783	65762	72988	71995	63208	59392
								44%	44%	47%	46%	33%	32%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012357	ACIS-012357
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	148.7634509210963
[deg] Pointing Dec	0	38.29872383167495
[deg] Pointing Roll	0.0	149.671893519967
[mm] SIM focus pos	-0.78090834371673	-0.78090834371673
[mm] SIM defocus	0.7524282194390134	0.7524282194390134
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	381532714.593009	381532714.593009
Observation start date	2010-02-02T21:18:35	2010-02-02T21:18:34
[s] Observation end time (MET)	381542263.448763	381542263.448763
Observation end date	2010-02-02T23:57:43	2010-02-02T23:57:43
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	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.06.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1215999698043

### A.2 Comments