

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 54407 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Aug 14 2012

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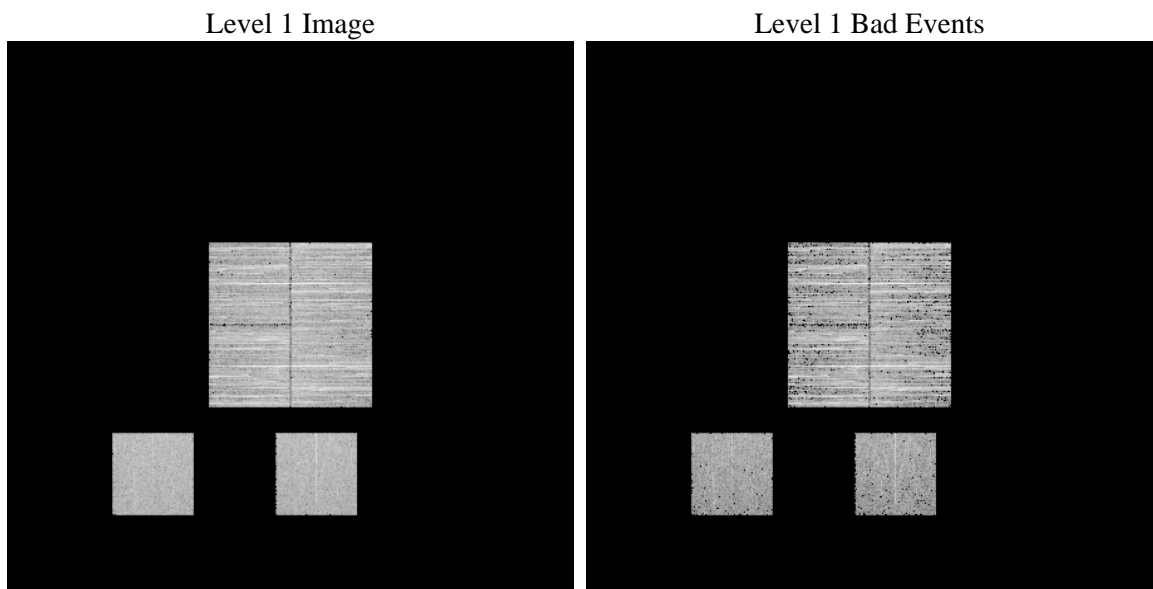
# 1 Front

seq_num	&#160	Sequence number
obs_id	54407	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	141.0507112162	Nominal RA [deg]
dec_nom	63.017148214255	Nominal Dec [deg]
roll_nom	3.8866952546903	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3286.3999878168	Sum of GTIs [s]
livetime	3244.7856123386	Livetime [s]
ontime0	3286.3999878168	Sum of GTIs [s]
ontime1	3286.3999878168	Sum of GTIs [s]
ontime2	3286.3999878168	Sum of GTIs [s]
ontime3	3286.3999878168	Sum of GTIs [s]
ontime5	3286.3999878168	Sum of GTIs [s]
ontime7	3286.3999878168	Sum of GTIs [s]
l2events	106634	Number of level 2 events

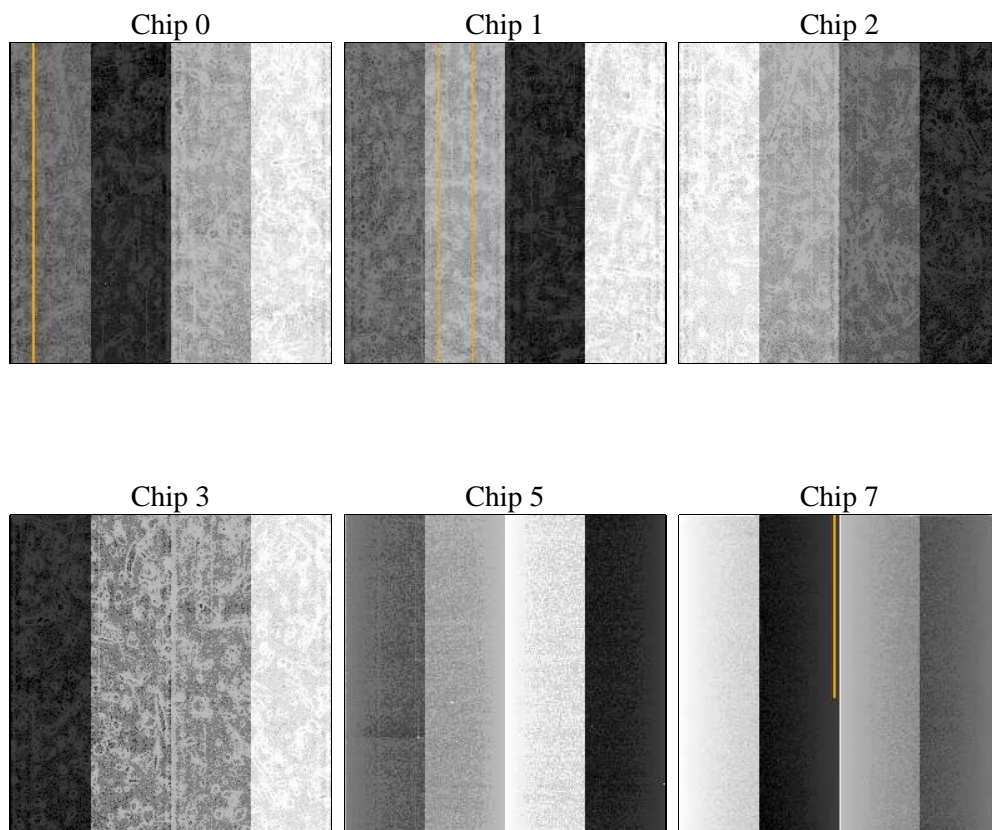
## 2 OBI

### 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	3286.3999878168	Sum of GTIs [s]
caldbver	4.5.1.1	&#160	ontime0	3286.3999878168	Sum of GTIs [s]
date	2012-08-14T19:30:47	Date and time of file creation	ontime1	3286.3999878168	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	3286.3999878168	Sum of GTIs [s]
			ontime3	3286.3999878168	Sum of GTIs [s]
			ontime5	3286.3999878168	Sum of GTIs [s]
			ontime7	3286.3999878168	Sum of GTIs [s]
			l1events	358451	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	58356	65037	66139	62467	53898	52554	grade 0 events	7700	7591	8079	7853	2814	4062
rejected events	43504	49960	50943	47490	28051	26724		13%	11%	12%	12%	5%	7%
rejected %	74%	76%	77%	76%	52%	50%	grade 1 events	39	30	51	46	54	19
								0%	0%	0%	0%	0%	0%
							grade 2 events	2830	3062	2773	2791	9786	6337
								4%	4%	4%	4%	18%	12%
							grade 3 events	982	1011	1072	1060	1015	2183
								1%	1%	1%	1%	1%	4%
							grade 4 events	992	988	1069	1034	980	2164
								1%	1%	1%	1%	1%	4%
							grade 5 events	1143	1068	1055	1306	2408	3140
								1%	1%	1%	2%	4%	5%
							grade 6 events	2359	2435	2221	2254	11274	11107
								4%	3%	3%	3%	20%	21%
							grade 7 events	42311	48852	49819	46123	25567	23542
								72%	75%	75%	73%	47%	44%

## 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	141.050711216201
[deg] Pointing Dec	0	63.01714821425499
[deg] Pointing Roll	0.0	3.886695254690279
[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)	461308797.180299	461308796.1553
Observation start date	2012-08-14T05:19:57	2012-08-14T05:19:56
[s] Observation end time (MET)	461313977.530576	461313976.50558
Observation end date	2012-08-14T06:46:18	2012-08-14T06:46:16
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
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)	2012.08.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2863999878168

### **A.2 Comments**