

# V&V Reference Report

## L2 ASCDS Version : 10.4.3.1

Observation 50998 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : May 26 2016

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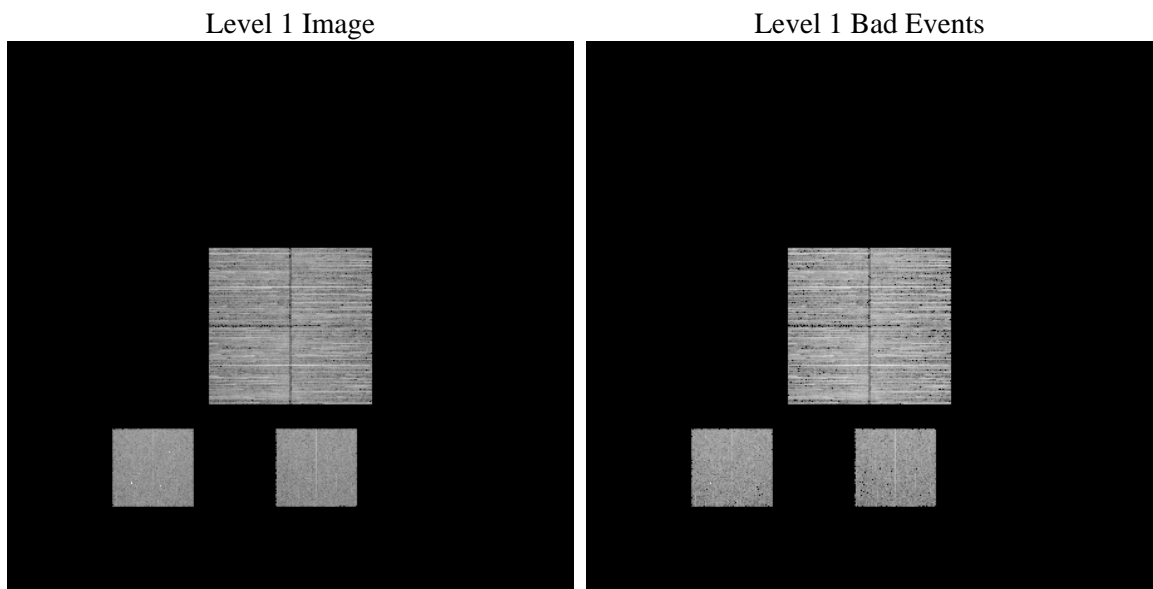
# 1 Front

seq_num	&#160	Sequence number
obs_id	50998	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	74.890849267751	Nominal RA [deg]
dec_nom	-26.728483999416	Nominal Dec [deg]
roll_nom	194.89625206772	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3456.0000514984	Sum of GTIs [s]
livetime	3412.2380978929	Livetime [s]
ontime0	3456.0000514984	Sum of GTIs [s]
ontime1	3456.0000514984	Sum of GTIs [s]
ontime2	3455.9980610609	Sum of GTIs [s]
ontime3	3456.0000514984	Sum of GTIs [s]
ontime5	3455.9570211172	Sum of GTIs [s]
ontime7	3456.0000514984	Sum of GTIs [s]
l2events	75525	Number of level 2 events

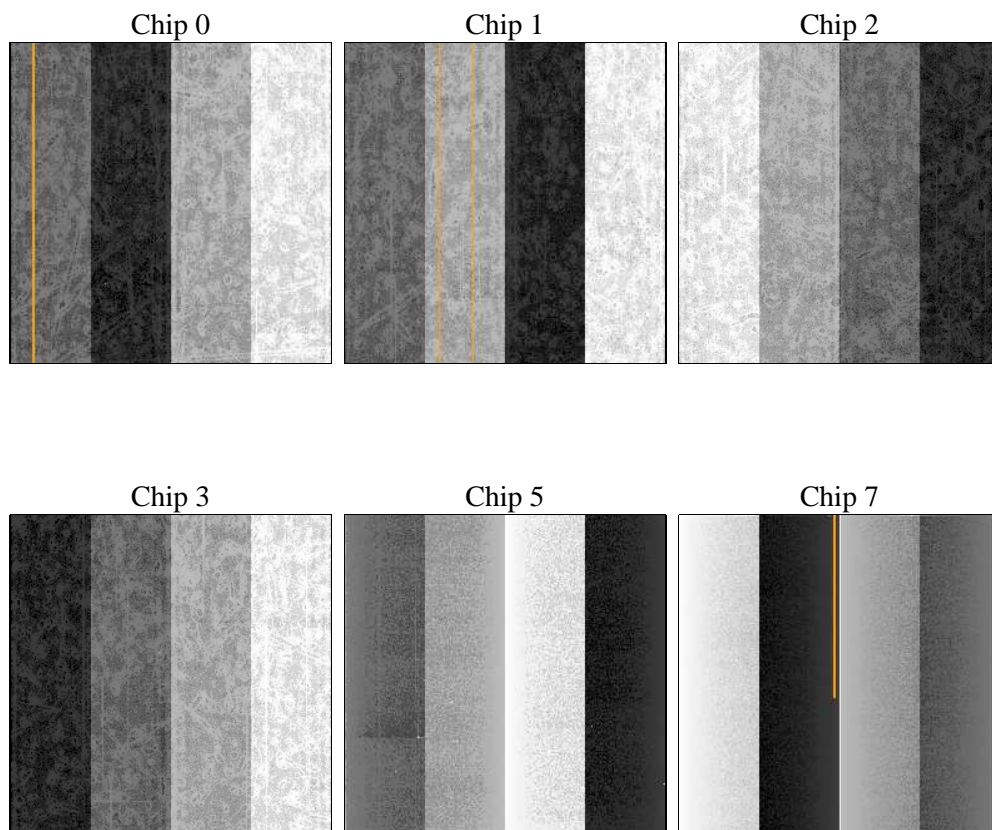
## 2 OBI

### 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	10.4.3.1	Processing system revision	ontime	3456.0000514984	Sum of GTIs [s]
caldbver	4.7.1	&#160	ontime0	3456.0000514984	Sum of GTIs [s]
date	2016-05-26T12:51:40	Date and time of file creation	ontime1	3456.0000514984	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	3455.9980610609	Sum of GTIs [s]
			ontime3	3456.0000514984	Sum of GTIs [s]
			ontime5	3455.9570211172	Sum of GTIs [s]
			ontime7	3456.0000514984	Sum of GTIs [s]
			l1events	400075	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	65622	72249	74452	70408	61067	56277	grade 0 events	3848	3621	3942	3958	2240	2307
rejected events	57375	63720	66091	62067	35729	34486		5%	5%	5%	5%	3%	4%
rejected %	87%	88%	88%	88%	58%	61%	grade 1 events	37	22	21	23	71	41
								0%	0%	0%	0%	0%	0%
							grade 2 events	1839	2092	1768	1716	9275	5439
								2%	2%	2%	2%	15%	9%
							grade 3 events	583	614	626	633	766	1639
								0%	0%	0%	0%	1%	2%
							grade 4 events	591	612	649	660	680	1509
								0%	0%	0%	0%	1%	2%
							grade 5 events	1336	1369	1362	1503	2910	3613
								2%	1%	1%	2%	4%	6%
							grade 6 events	1389	1601	1381	1379	12394	10914
								2%	2%	1%	1%	20%	19%
							grade 7 events	55999	62318	64703	60536	32731	30815
								85%	86%	86%	85%	53%	54%

## 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	74.89084926775141	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-26.72848399941569	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	194.8962520677188	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-0.6828225247311905			
[mm] SIM defocus	0.1037507710433287	0.8505141146731063			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	580595514.456351	580595513.43135			
Observation start date	2016-05-25T20:31:54	2016-05-25T20:31:53			
[s] Observation end time (MET)	580603630.406816	580603629.38182			
Observation end date	2016-05-25T22:47:10	2016-05-25T22:47:09			
Read mode	TIMED	TIMED			

## **2.3 Star Slots**

## **2.4 FID Slots**

## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2016.05.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.4560000514984

### A.2 Comments