

# V&V Reference Report

## L2 ASCDS Version : 10.3.3

Observation 62670 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Mar 19 2015

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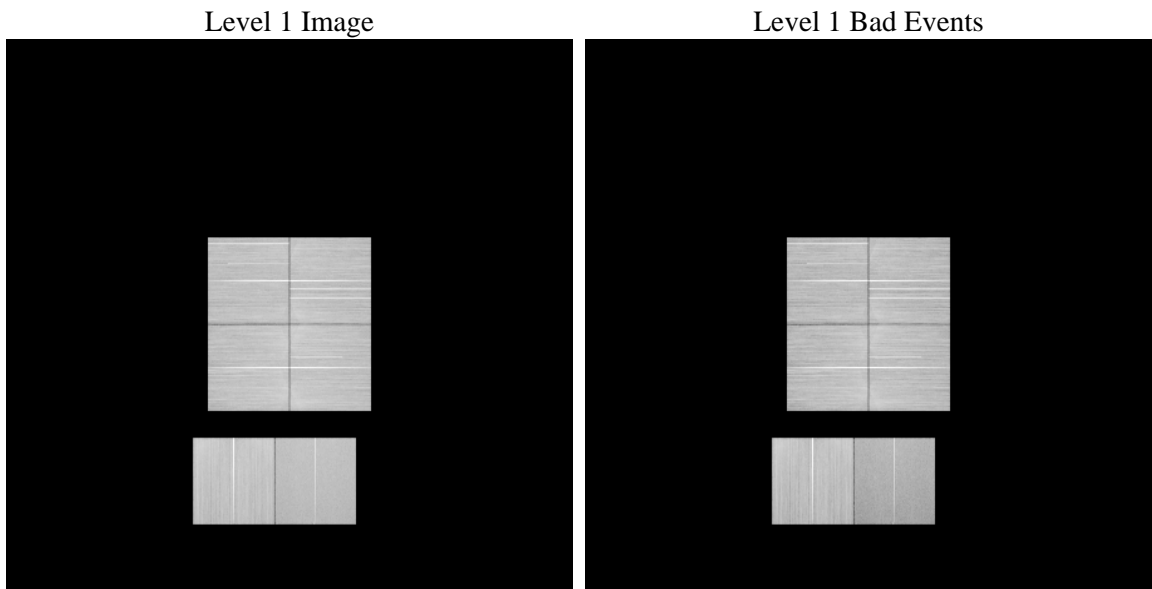
# 1 Front

seq_num	&#160	Sequence number
obs_id	62670	Observation id
title	ACIS-012367 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	284.25768958009	Nominal RA [deg]
dec_nom	9.9299899482783	Nominal Dec [deg]
roll_nom	183.87437254751	Nominal Roll [deg]
revision	1	Processing version of data
ontime	65680.000978708	Sum of GTIs [s]
livetime	64848.321258567	Livetime [s]
ontime0	65592.492898703	Sum of GTIs [s]
ontime1	65579.532183766	Sum of GTIs [s]
ontime2	65598.974978805	Sum of GTIs [s]
ontime3	65608.698098779	Sum of GTIs [s]
ontime6	65592.496373773	Sum of GTIs [s]
ontime7	65680.000978708	Sum of GTIs [s]
l2events	1149935	Number of level 2 events

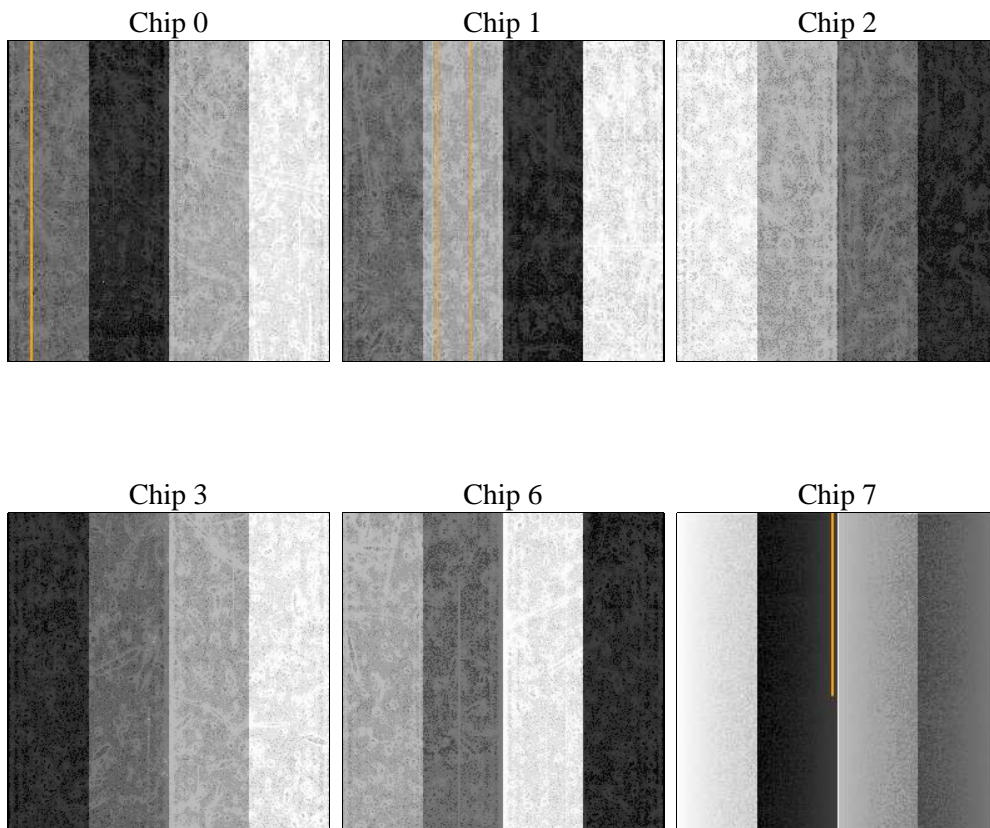
## 2 OBI

### 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	10.3.3	Processing system revision	ontime	65680.000978708	Sum of GTIs [s]
caldsver	4.6.7	&#160	ontime0	65592.492898703	Sum of GTIs [s]
date	2015-03-19T17:04:12	Date and time of file creation	ontime1	65579.532183766	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	65598.974978805	Sum of GTIs [s]
			ontime3	65608.698098779	Sum of GTIs [s]
			ontime6	65592.496373773	Sum of GTIs [s]
			ontime7	65680.000978708	Sum of GTIs [s]
			l1events	5962179	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	979709	1028716	1034130	1056333	1050236	813055	grade 0 events	85337	82906	88554	88598	86608	46209
rejected events	807682	853936	860853	882537	870675	464715		8%	8%	8%	8%	8%	5%
rejected %	82%	83%	83%	83%	82%	57%	grade 1 events	442	404	472	509	372	573
								0%	0%	0%	0%	0%	0%
							grade 2 events	35084	38138	33720	33601	36973	85427
								3%	3%	3%	3%	3%	10%
							grade 3 events	12098	11767	12113	12184	11864	27598
								1%	1%	1%	1%	1%	3%
							grade 4 events	11512	11851	12187	12373	11804	27246
								1%	1%	1%	1%	1%	3%
							grade 5 events	19397	19980	18326	21750	21141	50906
								1%	1%	1%	2%	2%	6%
							grade 6 events	28006	30130	26707	27052	32318	161878
								2%	2%	2%	2%	3%	19%
							grade 7 events	787833	833540	842051	860266	849156	413218
								80%	81%	81%	81%	80%	50%

## 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	284.2576895800867
[deg] Pointing Dec	0	9.929989948278296
[deg] Pointing Roll	0.0	183.8743725475142
[mm] SIM focus pos	-1.429586	-0.7809083437167272
[mm] SIM defocus	0.1037507710433287	0.7524282956875696
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	543016110.855902	543016109.8309
Observation start date	2015-03-17T21:48:31	2015-03-17T21:48:29
[s] Observation end time (MET)	543122134.811831	543122133.7868299
Observation end date	2015-03-19T03:15:35	2015-03-19T03:15:33
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)	2015.03.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	65.680000978708

### A.2 Comments