

V&V Reference Report

L2 ASCDS Version : 8.5

Observation 60016 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 9 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Star Slots	6
2.4	FID Slots	6
A	Summary	7
A.1	Status	7
A.2	Comments	7

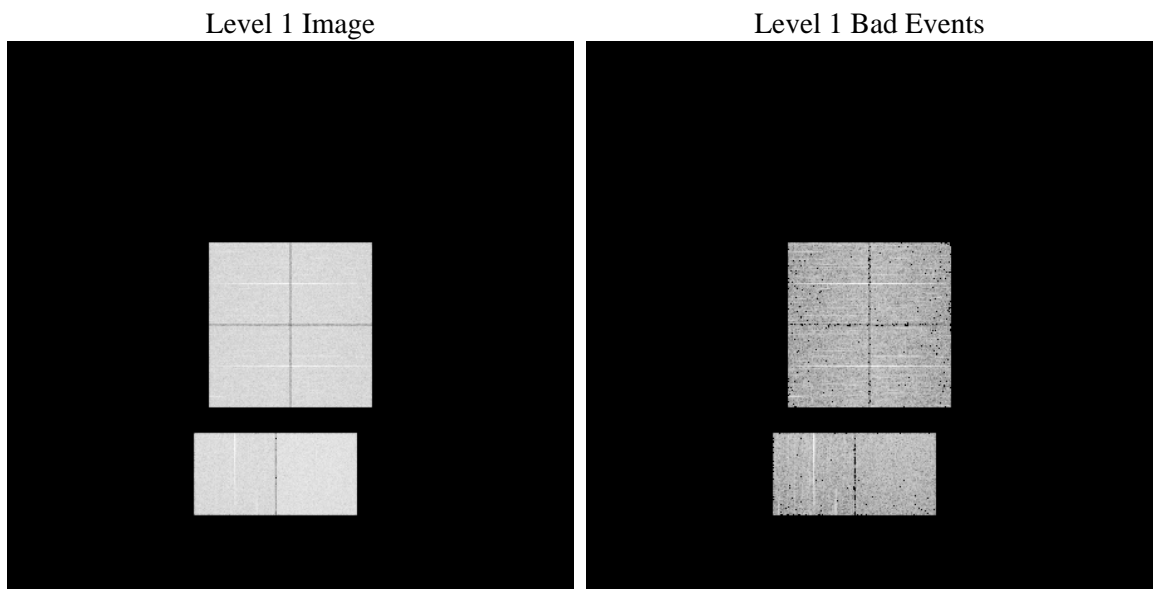
1 Front

seq_num	 	Sequence number
obs_id	60016	Observation id
title	ACIS-012367 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtcycle	0	
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	359.03284282282	Nominal RA [deg]
dec_nom	-30.994330937582	Nominal Dec [deg]
roll_nom	338.59239607283	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4534.399983108	Sum of GTIs [s]
livetime	4476.9826802341	Livetime [s]
ontime0	3701.4684609473	Sum of GTIs [s]
ontime1	3727.397020191	Sum of GTIs [s]
ontime2	3594.5164501667	Sum of GTIs [s]
ontime3	3620.4444221854	Sum of GTIs [s]
ontime6	3863.5179923177	Sum of GTIs [s]
ontime7	4534.399983108	Sum of GTIs [s]
l2events	632440	Number of level 2 events

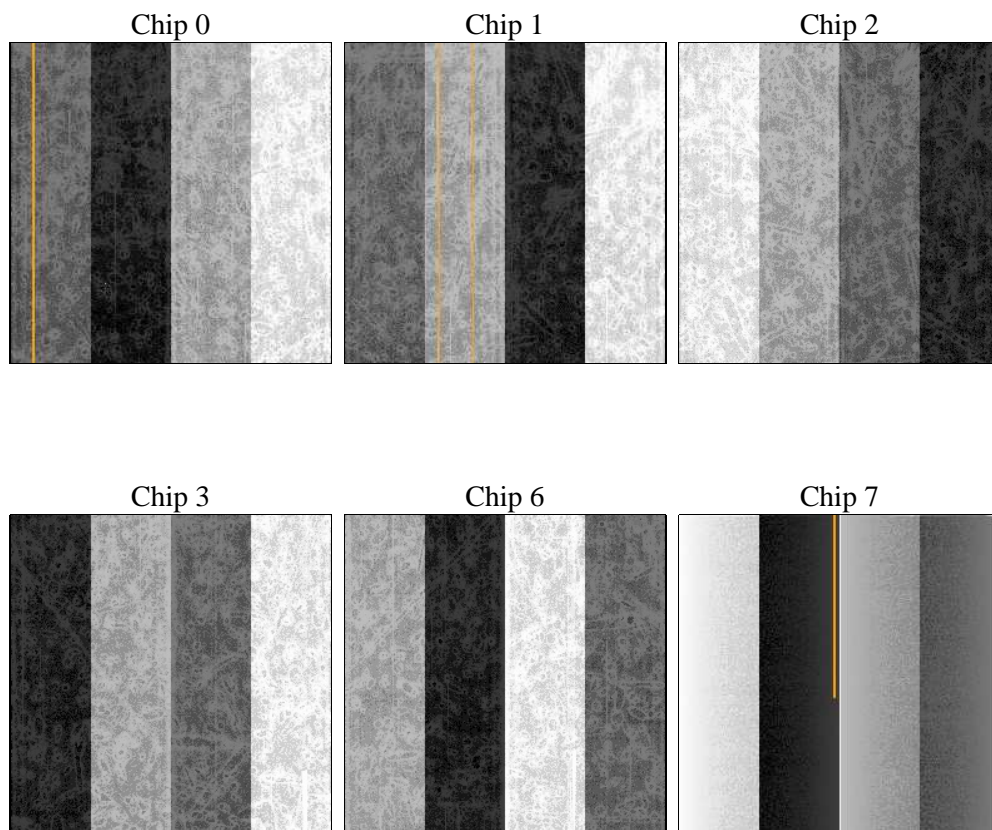
2 OBI

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	8.5	Processing system revision	ontime	4534.399983108	Sum of GTIs [s]
caldsver	4.5.4	 	ontime0	3701.4684609473	Sum of GTIs [s]
date	2012-12-09T22:35:49	Date and time of file creation	ontime1	3727.397020191	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	3594.5164501667	Sum of GTIs [s]
			ontime3	3620.4444221854	Sum of GTIs [s]
			ontime6	3863.5179923177	Sum of GTIs [s]
			ontime7	4534.399983108	Sum of GTIs [s]
			l1events	847086	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	132532	133159	130715	133054	144702	172924	grade 0 events	57518	57827	57450	58305	62043	34262
rejected events	29575	29441	29531	30735	31921	31780		43%	43%	43%	43%	42%	19%
rejected %	22%	22%	22%	23%	22%	18%	grade 1 events	388	311	380	380	339	115
								0%	0%	0%	0%	0%	0%
							grade 2 events	18262	18830	17568	17745	19757	31444
								13%	14%	13%	13%	13%	18%
							grade 3 events	6820	6716	6949	6854	7231	14579
								5%	5%	5%	5%	4%	8%
							grade 4 events	6748	6718	6809	6846	7213	14156
								5%	5%	5%	5%	4%	8%
							grade 5 events	1720	1820	1623	1863	2007	5331
								1%	1%	1%	1%	1%	3%
							grade 6 events	15375	15633	14379	14463	18562	49299
								11%	11%	11%	10%	12%	28%
							grade 7 events	25701	25304	25557	26598	27550	23738
								19%	19%	19%	19%	19%	13%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
[deg] Pointing RA	0	359.0328428228204	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-30.99433093758215	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	338.5923960728313			
[mm] SIM focus pos	-0.782348	-0.6828225247311905			
[mm] SIM defocus	0	0.8505141146731063			
[mm] SIM translation stage pos	-233.592463	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	213426706.950413	213426705.92542			
Observation start date	2004-10-06T05:11:47	2004-10-06T05:11:45			
[s] Observation end time (MET)	213434365.750755	213434364.72576			
Observation end date	2004-10-06T07:19:26	2004-10-06T07:19:24			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2013.01.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.534399983108

A.2 Comments