

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 60219 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 1 2012

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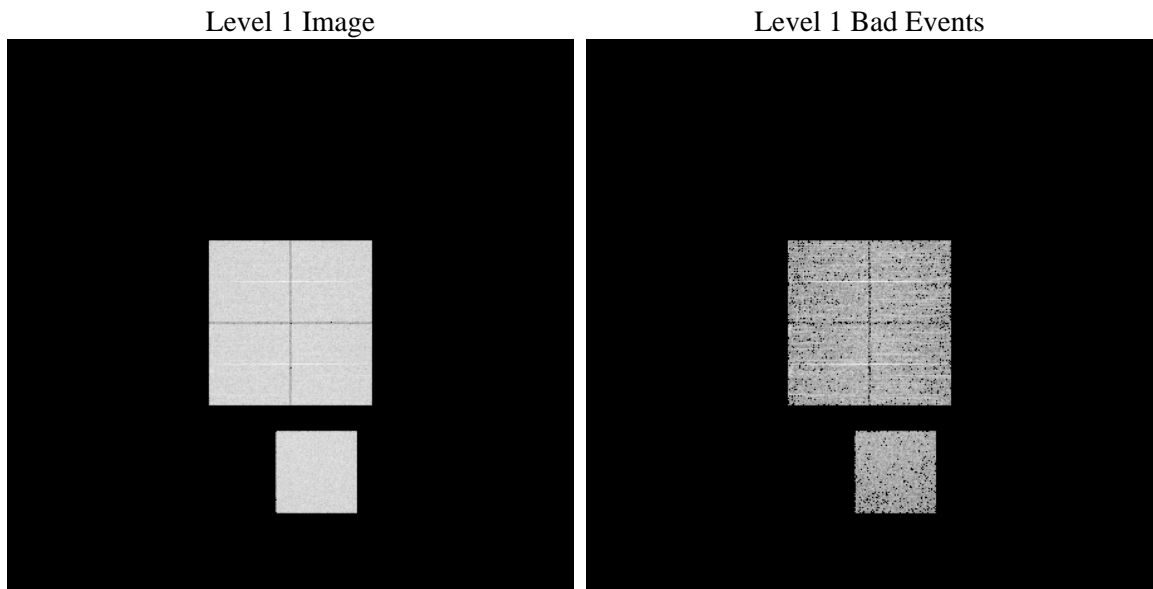
1 Front

seq_num	 	Sequence number
obs_id	60219	Observation id
title	ACIS-01237 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtcycle	0	
cycle	P	events are from which exps? P[rimary] S[econdar
ra_targ	0.0	Observer's specified target RA [deg]
dec_targ	0.0	Observer's specified target Dec [deg]
ra_nom	113.99809404833	Nominal RA [deg]
dec_nom	-18.028565646974	Nominal Dec [deg]
roll_nom	233.47990853678	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5327.086394161	Sum of GTIs [s]
livetime	2590.0547114023	Livetime [s]
ontime0	5327.0863642097	Sum of GTIs [s]
ontime1	5327.086394161	Sum of GTIs [s]
ontime2	5327.0863941312	Sum of GTIs [s]
ontime3	5327.0864240825	Sum of GTIs [s]
ontime7	5327.086394161	Sum of GTIs [s]
l2events	388335	Number of level 2 events

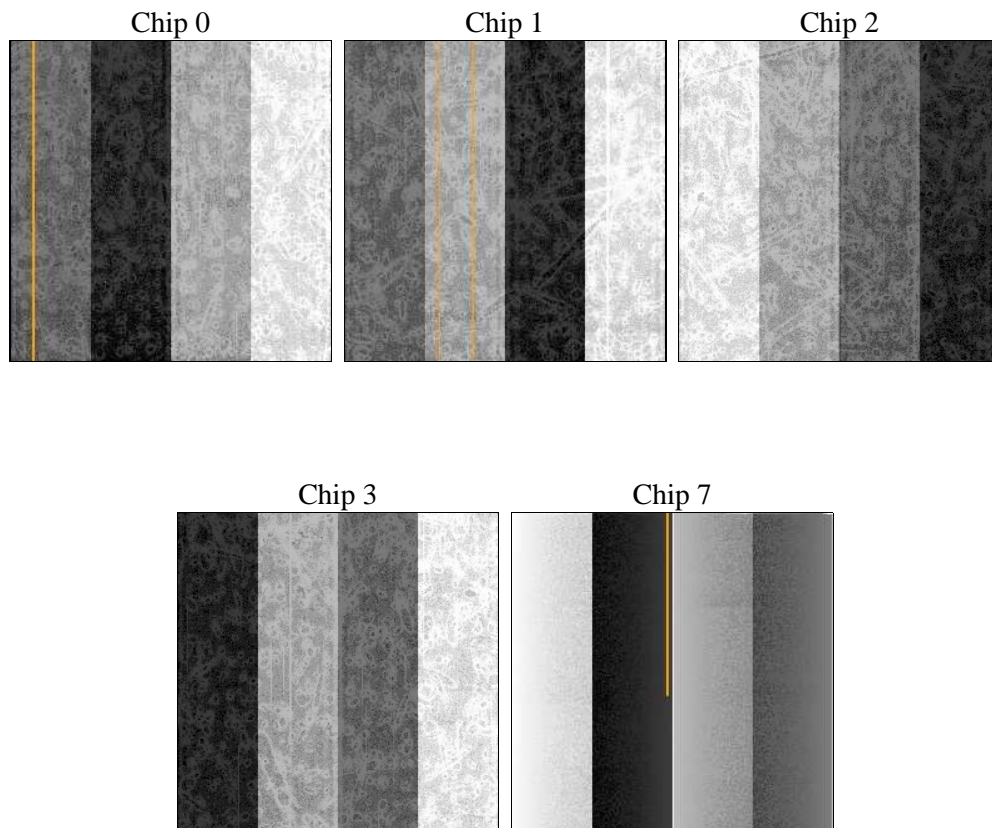
2 OBI Primary

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	5327.086394161	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	5327.0863642097	Sum of GTIs [s]
date	2012-12-01T23:56:48	Date and time of file creation	ontime1	5327.086394161	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	5327.0863941312	Sum of GTIs [s]
			ontime3	5327.0864240825	Sum of GTIs [s]
			ontime7	5327.086394161	Sum of GTIs [s]
			l1events	505039	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	99113	99569	101703	101821	102833
rejected events	19000	20178	20661	20838	15708
rejected %	19%	20%	20%	20%	15%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	44197	43733	45488	45433	21505
	44%	43%	44%	44%	20%
grade 1 events	217	230	295	269	63
	0%	0%	0%	0%	0%
grade 2 events	13935	14025	13545	13727	19149
	14%	14%	13%	13%	18%
grade 3 events	5211	5156	5357	5360	8849
	5%	5%	5%	5%	8%
grade 4 events	5235	5019	5239	5319	8703
	5%	5%	5%	5%	8%
grade 5 events	1157	1226	1252	1255	3019
	1%	1%	1%	1%	2%
grade 6 events	11535	11458	11413	11144	28919
	11%	11%	11%	10%	28%
grade 7 events	17626	18722	19114	19314	12626
	17%	18%	18%	18%	12%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01237	ACIS-01237	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	113.9980940483308	Alternating exposures requested	N	Y
[deg] Pointing Dec	0	-18.02856564697429	[s] Primary exposure time	0.000000	3
[deg] Pointing Roll	0.0	233.4799085367769	[s] Secondary exposure time	N/A	3.2
[mm] SIM focus pos	-0.782348	-0.6828225247311905	Duty cycle	N/A	1
[mm] SIM defocus	0	0.8505141146731063			
[mm] SIM translation stage pos	-233.592463	250.4635187648994			
[mm] SIM translation stage offset	0	-0.007540371344731511			
[s] Observation start time (MET)	201989992.192073	201989991.16706			
Observation start date	2004-05-26T20:19:52	2004-05-26T20:19:51			
[s] Observation end time (MET)	202011301.943014	202011300.918			
Observation end date	2004-05-27T02:15:02	2004-05-27T02:15:00			
Read mode	TIMED	TIMED			

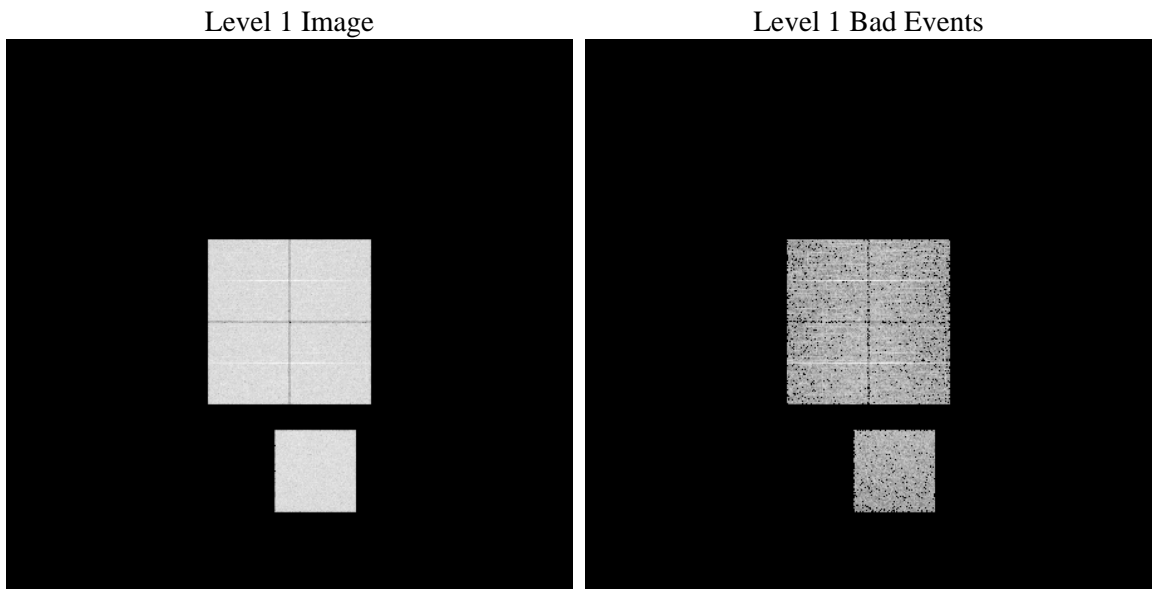
2.3 Star Slots

2.4 FID Slots

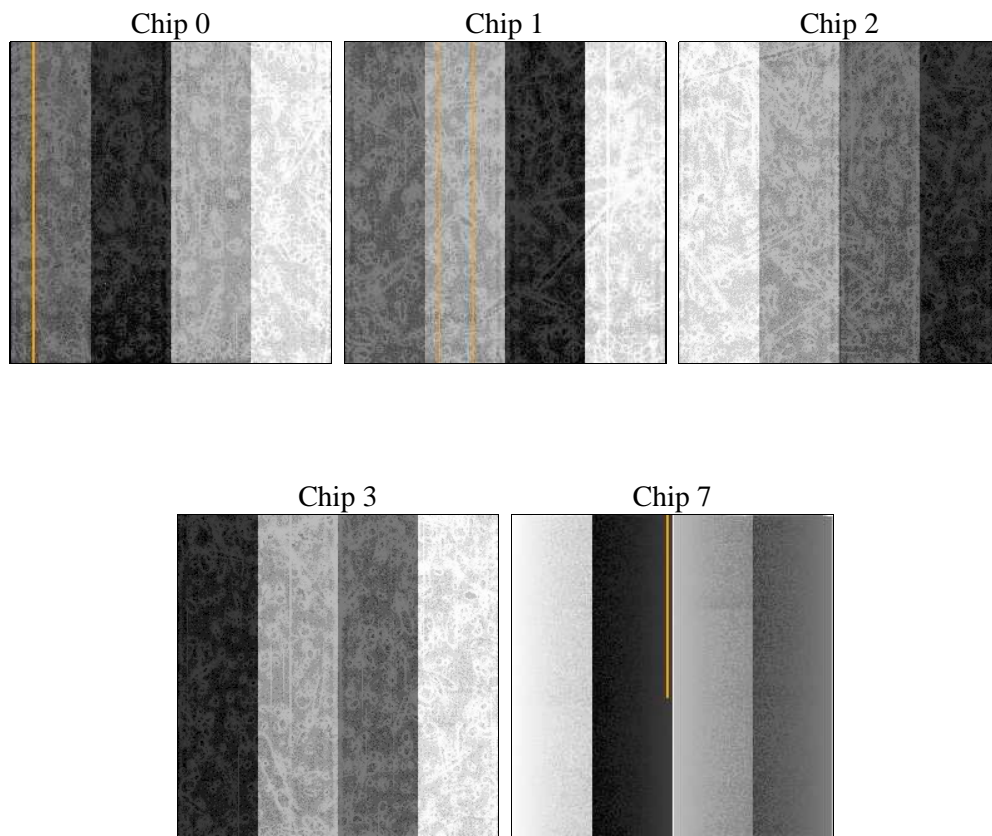
3 OBI Secondary

3.1 OBI

3.1.1 Images



3.1.2 Bias



3.1.3 Parameters

obi_num	0	Obi number			
ascdsver	8.4.5	Processing system revision	sched_exp_time	0.0	[s] Scheduled observation exposure time
caldbver	4.5.2	 	ontime	2799.3015981317	Sum of GTIs [s]
date	2012-12-01T23:56:55	Date and time of file creation	ontime0	2802.0166634619	Sum of GTIs [s]
revision	3	Processing version of data	ontime1	2802.0166335404	Sum of GTIs [s]
			ontime2	2802.0166136622	Sum of GTIs [s]
			ontime3	2799.3426082134	Sum of GTIs [s]
			ontime7	2799.3015981317	Sum of GTIs [s]
			l1events	532032	Number of level 1 events

3.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	104554	104859	107484	105825	109310
rejected events	19279	19491	21171	20143	16440
rejected %	18%	18%	19%	19%	15%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	46743	46686	48267	48045	22470
	44%	44%	44%	45%	20%
grade 1 events	287	230	323	295	71
	0%	0%	0%	0%	0%
grade 2 events	15086	15151	14644	14443	20320
	14%	14%	13%	13%	18%
grade 3 events	5479	5510	5715	5612	9267
	5%	5%	5%	5%	8%
grade 4 events	5488	5524	5660	5673	9133
	5%	5%	5%	5%	8%
grade 5 events	1240	1259	1255	1317	2961
	1%	1%	1%	1%	2%
grade 6 events	12479	12497	12027	11909	31680
	11%	11%	11%	11%	28%
grade 7 events	17752	18002	19593	18531	13408
	16%	17%	18%	17%	12%

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.12.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1263879922927

A.2 Comments

Interleave mode.