

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 54148 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Nov 23 2012

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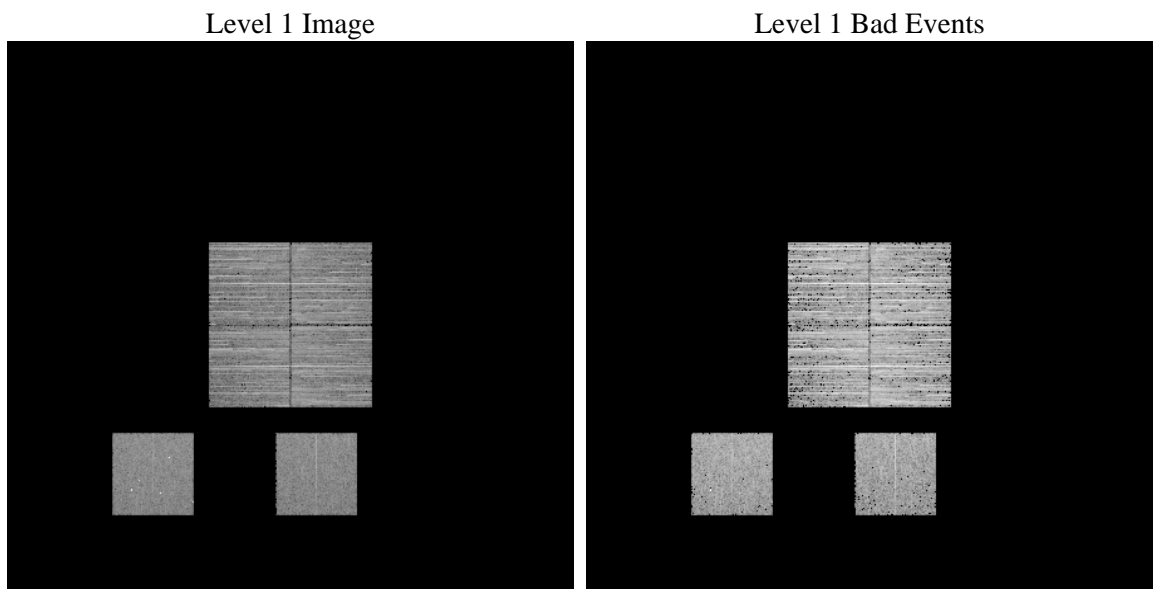
1 Front

seq_num	 	Sequence number
obs_id	54148	Observation id
title	ACIS-012357 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	30.583610647522	Nominal RA [deg]
dec_nom	57.47543871468	Nominal Dec [deg]
roll_nom	218.41262994673	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3151.9999883175	Sum of GTIs [s]
livetime	3112.0874665589	Livetime [s]
ontime0	3151.9999883175	Sum of GTIs [s]
ontime1	3151.9999883175	Sum of GTIs [s]
ontime2	3151.9999883175	Sum of GTIs [s]
ontime3	3151.9999883175	Sum of GTIs [s]
ontime5	3151.9999883175	Sum of GTIs [s]
ontime7	3151.9999883175	Sum of GTIs [s]
l2events	98974	Number of level 2 events

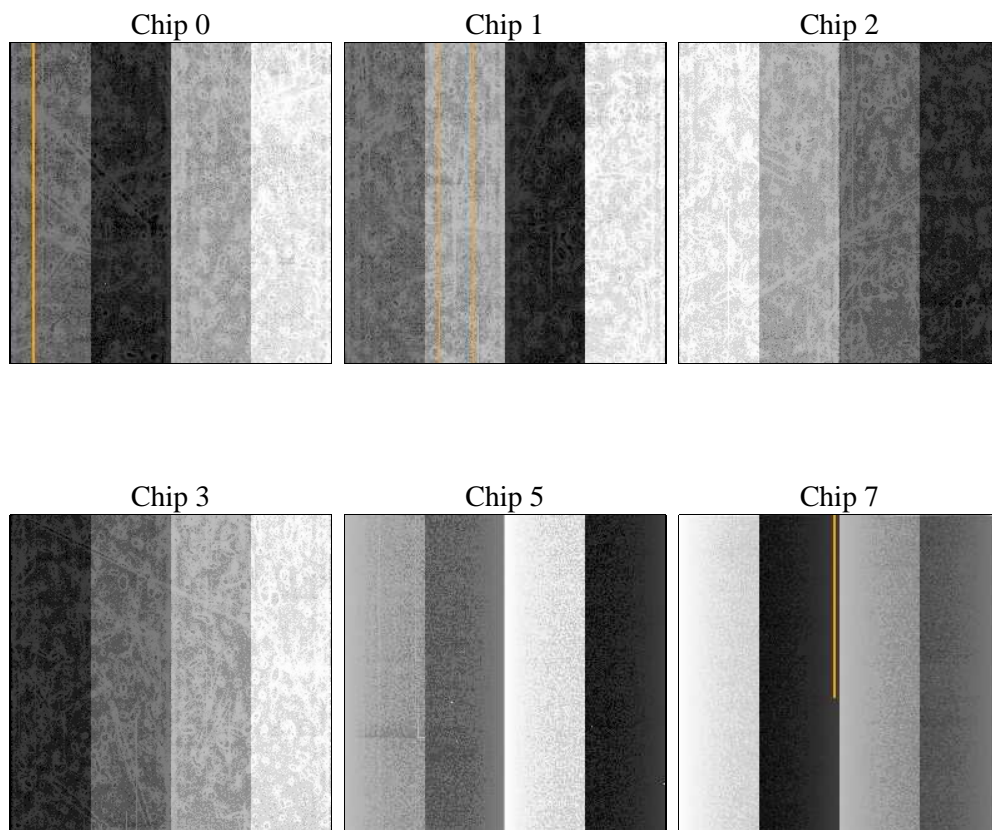
2 OBI

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	3151.9999883175	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	3151.9999883175	Sum of GTIs [s]
date	2012-11-23T05:31:03	Date and time of file creation	ontime1	3151.9999883175	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	3151.9999883175	Sum of GTIs [s]
			ontime3	3151.9999883175	Sum of GTIs [s]
			ontime5	3151.9999883175	Sum of GTIs [s]
			ontime7	3151.9999883175	Sum of GTIs [s]
			l1events	367316	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	64230	64821	60699	66360	58085	53121	grade 0 events	7398	7110	7621	7484	4964	3840
rejected events	50551	51146	46870	52655	30583	29066		11%	10%	12%	11%	8%	7%
rejected %	78%	78%	77%	79%	52%	54%	grade 1 events	43	40	36	37	97	40
								0%	0%	0%	0%	0%	0%
							grade 2 events	2821	2893	2713	2712	10120	6126
								4%	4%	4%	4%	17%	11%
							grade 3 events	940	979	990	1015	1001	2085
								1%	1%	1%	1%	1%	3%
							grade 4 events	887	1001	977	1005	917	2105
								1%	1%	1%	1%	1%	3%
							grade 5 events	1208	1154	1151	1220	2547	3136
								1%	1%	1%	1%	4%	5%
							grade 6 events	2246	2303	2109	2079	11631	10986
								3%	3%	3%	3%	20%	20%
							grade 7 events	48687	49341	45102	50808	26808	24803
								75%	76%	74%	76%	46%	46%

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	30.5836106475221
[deg] Pointing Dec	0	57.47543871468034
[deg] Pointing Roll	0.0	218.412629946731
SIM focus pos (mm)	-1.4281808131	-1.4281808131
[mm] SIM defocus	0.1051557500557434	0.1051557500557434
SIM translation stage pos (mm)	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	469968178.044805	469968178.044805
Observation start date	2012-11-22T10:42:58	2012-11-22T10:42:58
[s] Observation end time (MET)	469973237.910718	469973237.910718
Observation end date	2012-11-22T12:07:18	2012-11-22T12:07:17
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
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)	2012.11.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.1519999883175

A.2 Comments