

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 54842 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Feb 21 2012

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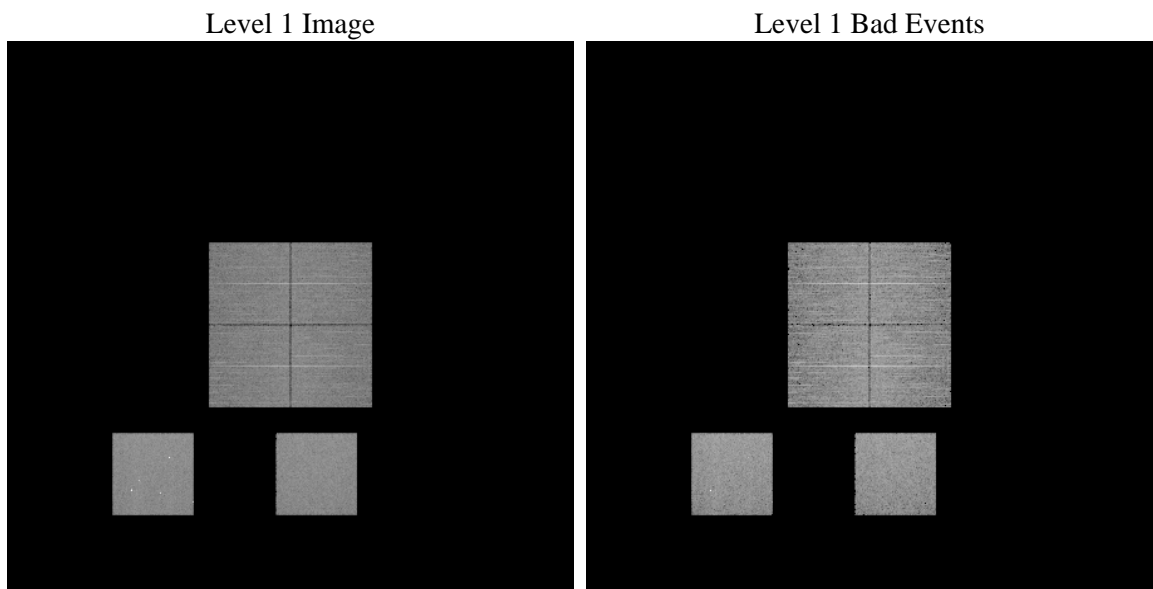
1 Front

seq_num	 	Sequence number
obs_id	54842	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	131.82194680852	Nominal RA [deg]
dec_nom	3.3900802154345	Nominal Dec [deg]
roll_nom	289.28690272924	Nominal Roll [deg]
revision	1	Processing version of data
ontime	7990.1818354726	Sum of GTIs [s]
livetime	7889.0053419619	Livetime [s]
ontime0	7990.1407954693	Sum of GTIs [s]
ontime1	7990.099755466	Sum of GTIs [s]
ontime2	7990.0587154627	Sum of GTIs [s]
ontime3	7990.2228754759	Sum of GTIs [s]
ontime5	7990.0176754594	Sum of GTIs [s]
ontime7	7990.1818354726	Sum of GTIs [s]
l2events	290930	Number of level 2 events

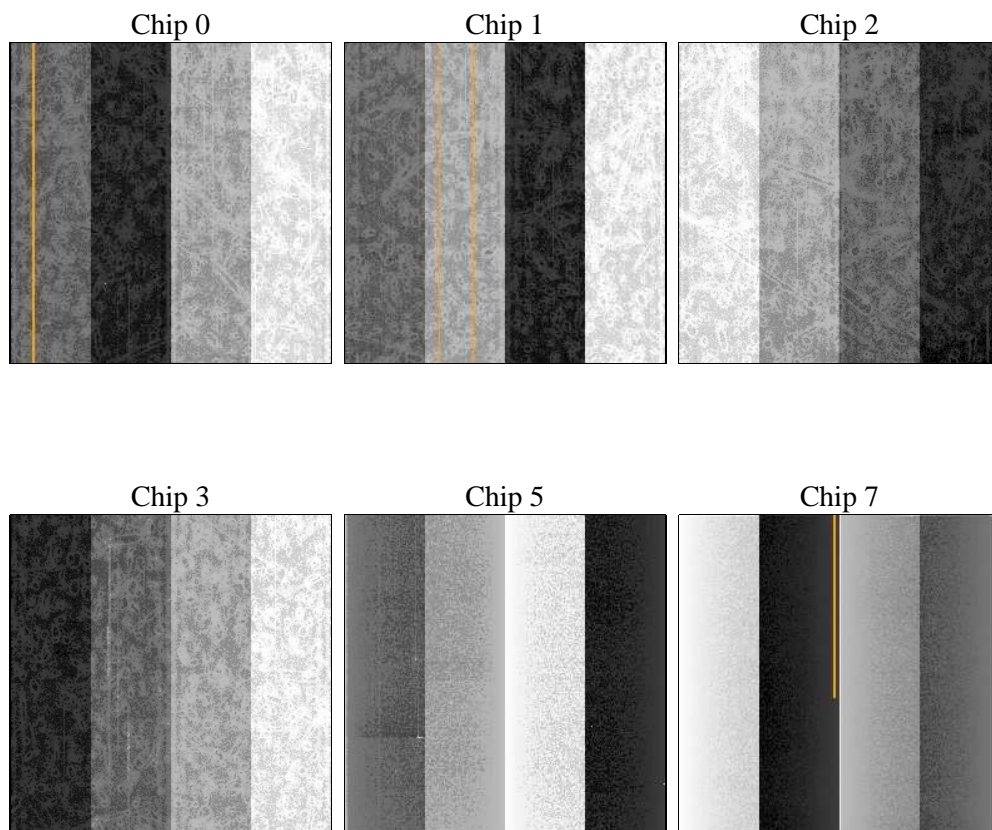
2 OBI

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	8.4.3	Processing system revision	ontime	7990.1818354726	Sum of GTIs [s]
caldsver	4.4.8	 	ontime0	7990.1407954693	Sum of GTIs [s]
date	2012-02-21T22:21:38	Date and time of file creation	ontime1	7990.099755466	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	7990.0587154627	Sum of GTIs [s]
			ontime3	7990.2228754759	Sum of GTIs [s]
			ontime5	7990.0176754594	Sum of GTIs [s]
			ontime7	7990.1818354726	Sum of GTIs [s]
			l1events	636641	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	90439	92957	93421	95945	136675	127204	grade 0 events	22179	21749	22729	23061	11586	11666
rejected events	49364	51204	52091	54474	60782	58747		24%	23%	24%	24%	8%	9%
rejected %	54%	55%	55%	56%	44%	46%	grade 1 events	126	102	143	141	165	109
								0%	0%	0%	0%	0%	0%
							grade 2 events	7932	8405	7619	7537	27551	15122
								8%	9%	8%	7%	20%	11%
							grade 3 events	2937	2996	2912	2872	3049	6241
								3%	3%	3%	2%	2%	4%
							grade 4 events	2815	2941	2970	2928	2978	6241
								3%	3%	3%	3%	2%	4%
							grade 5 events	3326	3345	3136	3472	7692	8853
								3%	3%	3%	3%	5%	6%
							grade 6 events	6434	6889	6366	6326	33121	31256
								7%	7%	6%	6%	24%	24%
							grade 7 events	44690	46530	47546	49608	50533	47716
								49%	50%	50%	51%	36%	37%

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	131.8219468085221
[deg] Pointing Dec	0	3.390080215434539
[deg] Pointing Roll	0.0	289.2869027292363
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)	446200469.605588	446200469.605588
Observation start date	2012-02-21T08:34:30	2012-02-21T08:34:29
[s] Observation end time (MET)	446209145.164149	446209145.164149
Observation end date	2012-02-21T10:59:05	2012-02-21T10:59:05
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	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.02.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.9901818354726

A.2 Comments