

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 54418 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Aug 11 2012

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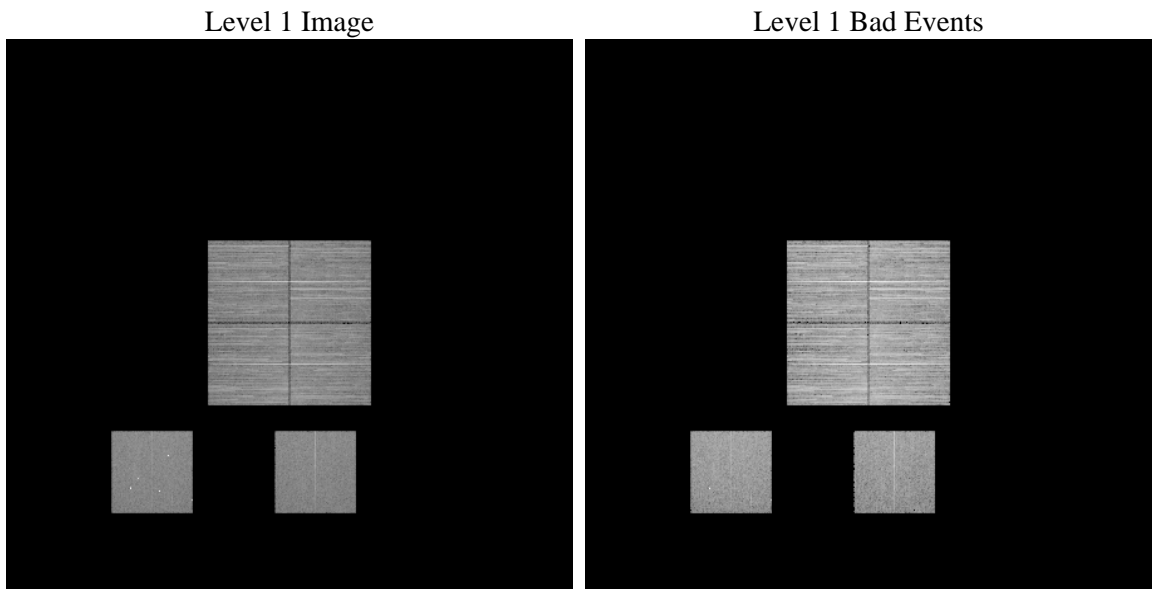
1 Front

seq_num	 	Sequence number
obs_id	54418	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	318.03427958965	Nominal RA [deg]
dec_nom	-40.987494841672	Nominal Dec [deg]
roll_nom	352.96013850789	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8159.9999696612	Sum of GTIs [s]
livetime	8056.6731366833	Livetime [s]
ontime0	8159.9999696612	Sum of GTIs [s]
ontime1	8159.977314651	Sum of GTIs [s]
ontime2	8159.9362746477	Sum of GTIs [s]
ontime3	8159.9999696612	Sum of GTIs [s]
ontime5	8159.8952346444	Sum of GTIs [s]
ontime7	8159.9999696612	Sum of GTIs [s]
l2events	264148	Number of level 2 events

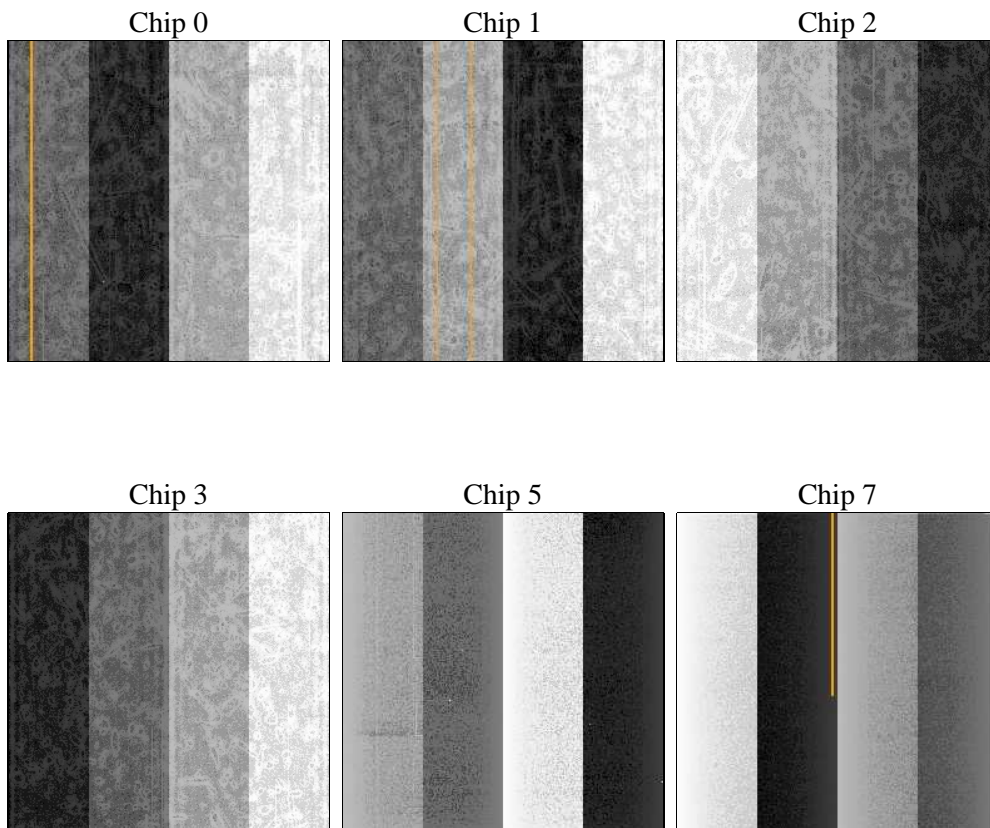
2 OBI

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	8159.9999696612	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime0	8159.9999696612	Sum of GTIs [s]
date	2012-08-11T21:35:56	Date and time of file creation	ontime1	8159.977314651	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8159.9362746477	Sum of GTIs [s]
			ontime3	8159.9999696612	Sum of GTIs [s]
			ontime5	8159.8952346444	Sum of GTIs [s]
			ontime7	8159.9999696612	Sum of GTIs [s]
			l1events	918745	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	156874	159285	163873	164676	142201	131836	grade 0 events	19678	18921	20212	20281	12206	9955
rejected events	119329	121873	126217	126888	71691	68690		12%	11%	12%	12%	8%	7%
rejected %	76%	76%	77%	77%	50%	52%	grade 1 events	109	89	120	120	814	85
								0%	0%	0%	0%	0%	0%
							grade 2 events	7520	8023	7298	7147	25590	15833
								4%	5%	4%	4%	17%	12%
							grade 3 events	2637	2498	2525	2705	2522	5224
								1%	1%	1%	1%	1%	3%
							grade 4 events	2473	2385	2584	2513	2438	5324
								1%	1%	1%	1%	1%	4%
							grade 5 events	2880	2940	2789	3133	6109	7385
								1%	1%	1%	1%	4%	5%
							grade 6 events	5877	6169	5631	5764	28787	27785
								3%	3%	3%	3%	20%	21%
							grade 7 events	115700	118260	122714	123013	63735	60245
								73%	74%	74%	74%	44%	45%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012357	ACIS-012357	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	OVERRIDE	OVERRIDE
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	318.034279589649	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-40.98749484167227	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	352.9601385078896	[s] Primary exposure time	3.2	3.2
SIM focus pos (mm)	-1.4281808131	-1.4281808131			
[mm] SIM defocus	0.1051557500557434	0.1051557500557434			
SIM translation stage pos (mm)	250.4635187649	250.4635187649			
[mm] SIM translation stage offset	-0.007542945905271381	-0.007542945905271381			
[s] Observation start time (MET)	461049775.566448	461049775.566448			
Observation start date	2012-08-11T05:22:56	2012-08-11T05:22:55			
[s] Observation end time (MET)	461059030.853793	461059030.853793			
Observation end date	2012-08-11T07:57:11	2012-08-11T07:57:10			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.08.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1599999696612

A.2 Comments