

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 53839 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Mar 24 2013

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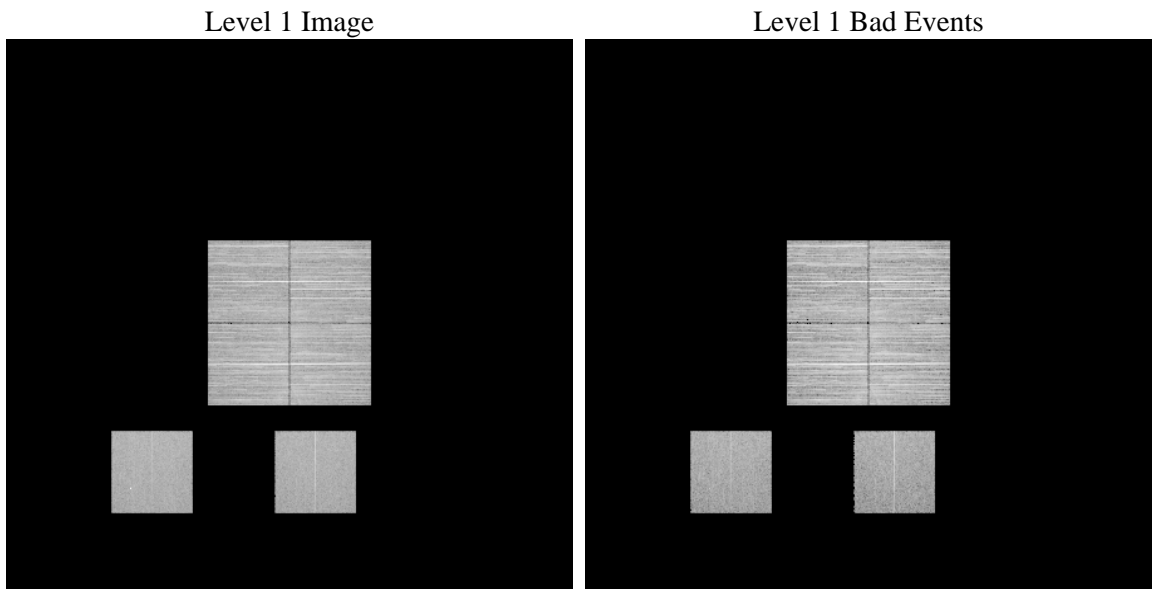
1 Front

seq_num	 	Sequence number
obs_id	53839	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	216.92344578074	Nominal RA [deg]
dec_nom	1.1262505475658	Nominal Dec [deg]
roll_nom	95.569886065064	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8086.3999699354	Sum of GTIs [s]
livetime	7984.0051044706	Livetime [s]
ontime0	8086.3999699354	Sum of GTIs [s]
ontime1	8086.3999699354	Sum of GTIs [s]
ontime2	8086.3999699354	Sum of GTIs [s]
ontime3	8083.1589395404	Sum of GTIs [s]
ontime5	8086.3999699354	Sum of GTIs [s]
ontime7	8086.3999699354	Sum of GTIs [s]
l2events	258503	Number of level 2 events

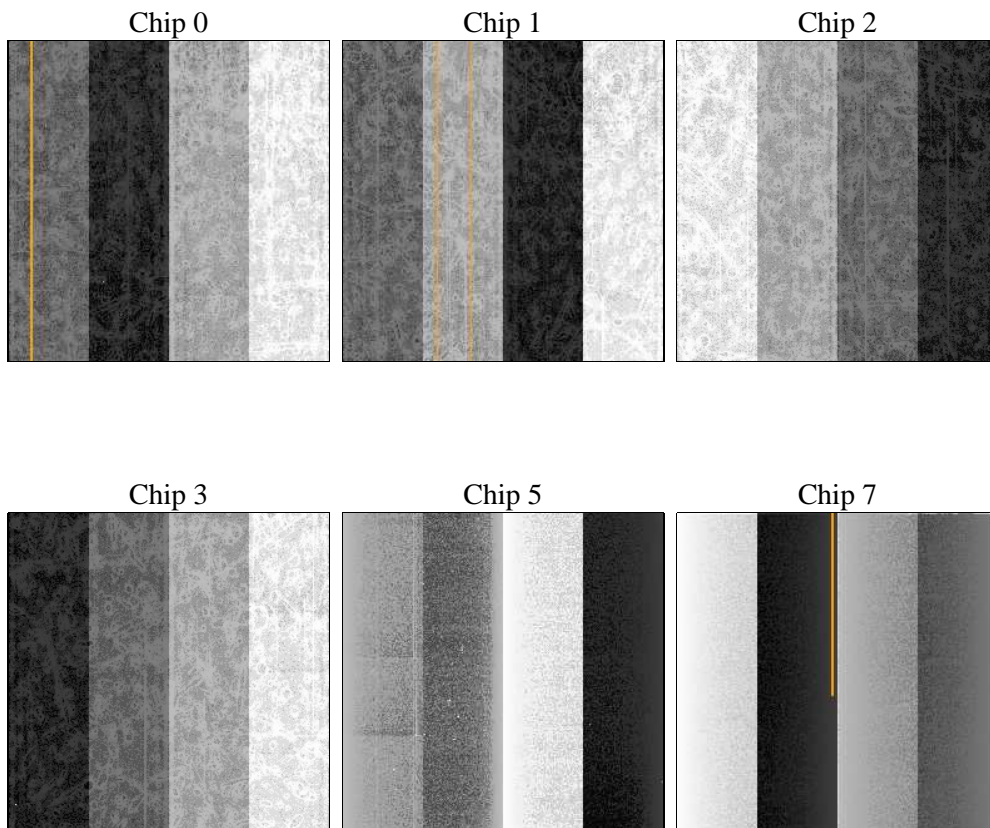
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	8086.3999699354	Sum of GTIs [s]
caldsver	4.5.6	 	ontime0	8086.3999699354	Sum of GTIs [s]
date	2013-03-24T21:07:54	Date and time of file creation	ontime1	8086.3999699354	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8086.3999699354	Sum of GTIs [s]
			ontime3	8083.1589395404	Sum of GTIs [s]
			ontime5	8086.3999699354	Sum of GTIs [s]
			ontime7	8086.3999699354	Sum of GTIs [s]
			l1events	961872	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	163298	172591	176433	176699	139072	133779	grade 0 events	17127	15060	18056	18554	5121	8724
rejected events	126647	135857	139645	139075	76912	72427		10%	8%	10%	10%	3%	6%
rejected %	77%	78%	79%	78%	55%	54%	grade 1 events	70	58	94	99	170	97
								0%	0%	0%	0%	0%	0%
							grade 2 events	9481	11456	8691	8691	23883	15844
								5%	6%	4%	4%	17%	11%
							grade 3 events	2180	1981	2285	2460	2140	4653
								1%	1%	1%	1%	1%	3%
							grade 4 events	2146	1962	2430	2461	1982	4504
								1%	1%	1%	1%	1%	3%
							grade 5 events	2603	2577	2540	3014	5459	6948
								1%	1%	1%	1%	3%	5%
							grade 6 events	6500	7116	6109	6227	30446	29062
								3%	4%	3%	3%	21%	21%
							grade 7 events	123191	132381	136228	135193	69871	63947
								75%	76%	77%	76%	50%	47%

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	216.9234457807352
[deg] Pointing Dec	0	1.126250547565813
[deg] Pointing Roll	0.0	95.56988606506378
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)	480502015.463124	480502015.463124
Observation start date	2013-03-24T08:46:55	2013-03-24T08:46:55
[s] Observation end time (MET)	480515001.440896	480515001.440896
Observation end date	2013-03-24T12:23:21	2013-03-24T12:23:21
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)	2013.03.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0863999699354

A.2 Comments