

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 54878 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Feb 6 2012

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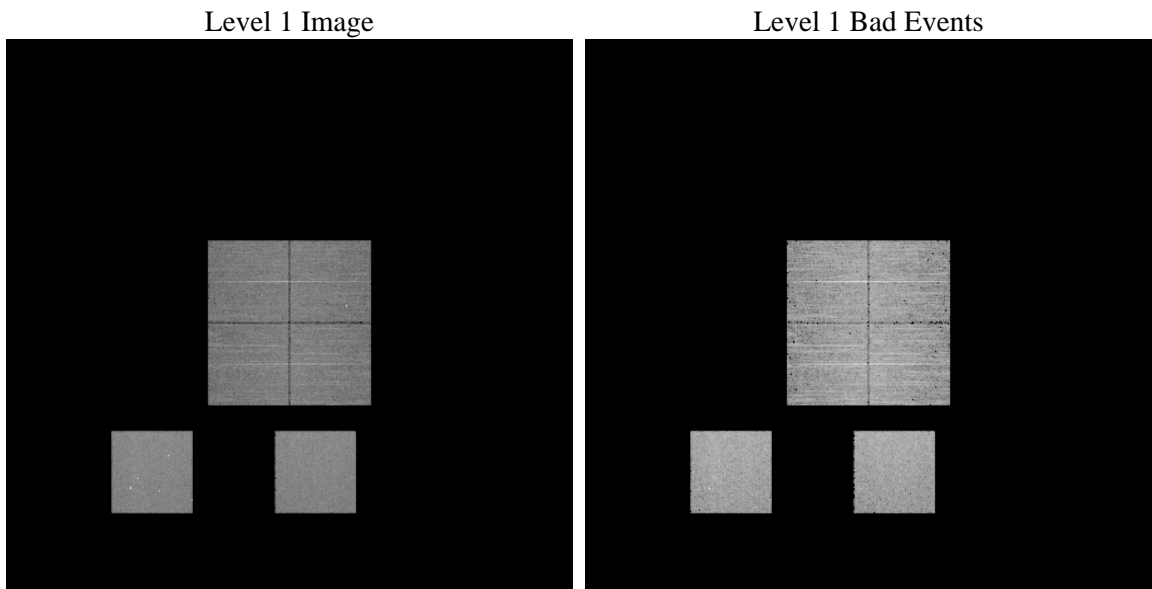
1 Front

seq_num	 	Sequence number
obs_id	54878	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	157.33422703361	Nominal RA [deg]
dec_nom	56.373003638759	Nominal Dec [deg]
roll_nom	153.80487389867	Nominal Roll [deg]
revision	1	Processing version of data
ontime	6802.0254845023	Sum of GTIs [s]
livetime	6715.8941421295	Livetime [s]
ontime0	6801.984444499	Sum of GTIs [s]
ontime1	6801.9434044957	Sum of GTIs [s]
ontime2	6801.9023644924	Sum of GTIs [s]
ontime3	6802.0665245056	Sum of GTIs [s]
ontime5	6801.8613244891	Sum of GTIs [s]
ontime7	6802.0254845023	Sum of GTIs [s]
l2events	249879	Number of level 2 events

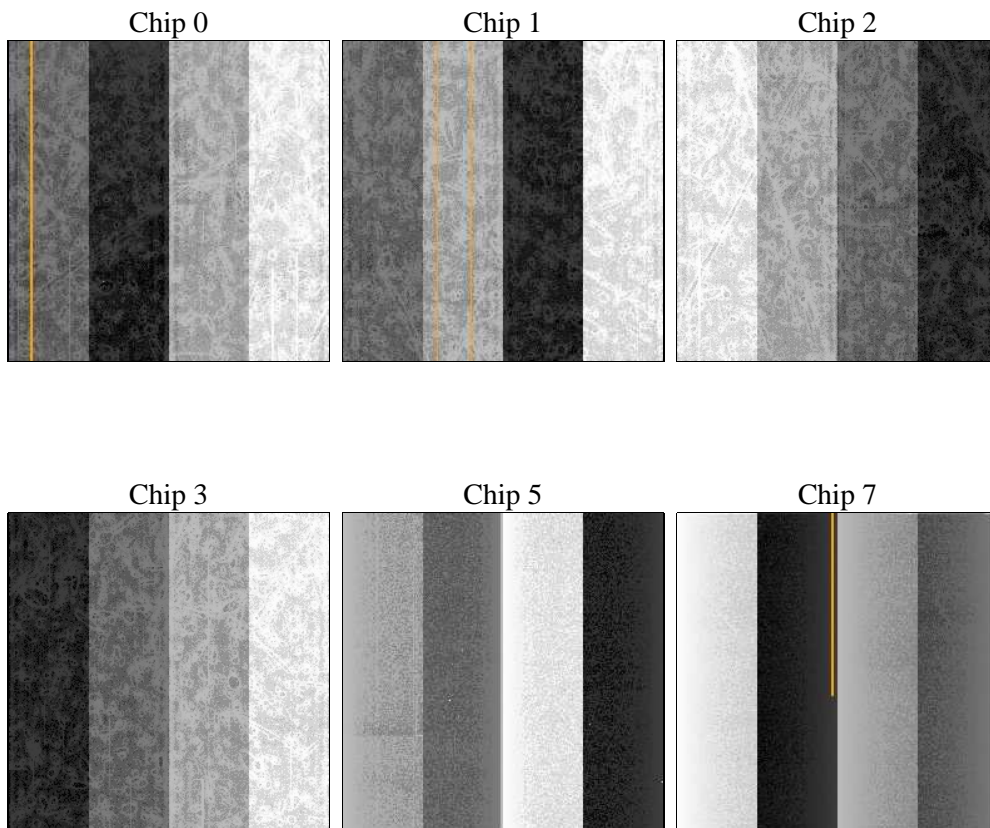
2 OBI

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	8.4.3	Processing system revision	ontime	6802.0254845023	Sum of GTIs [s]
caldsver	4.4.7	 	ontime0	6801.984444499	Sum of GTIs [s]
date	2012-02-06T06:11:56	Date and time of file creation	ontime1	6801.9434044957	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	6801.9023644924	Sum of GTIs [s]
			ontime3	6802.0665245056	Sum of GTIs [s]
			ontime5	6801.8613244891	Sum of GTIs [s]
			ontime7	6802.0254845023	Sum of GTIs [s]
			l1events	562598	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	80303	83758	82334	86993	118097	111113	grade 0 events	19072	18448	19832	19810	8531	9895
rejected events	45024	46434	47162	51538	53647	51843		23%	22%	24%	22%	7%	8%
rejected %	56%	55%	57%	59%	45%	46%	grade 1 events	107	87	145	136	145	78
								0%	0%	0%	0%	0%	0%
							grade 2 events	6872	9457	6287	6612	24296	13496
								8%	11%	7%	7%	20%	12%
							grade 3 events	2549	2515	2520	2560	2350	5416
								3%	3%	3%	2%	1%	4%
							grade 4 events	2422	2397	2497	2573	2315	5284
								3%	2%	3%	2%	1%	4%
							grade 5 events	3021	2780	2716	3204	6175	7778
								3%	3%	3%	3%	5%	7%
							grade 6 events	5742	5956	5518	5460	29551	27632
								7%	7%	6%	6%	25%	24%
							grade 7 events	40518	42118	42819	46638	44734	41534
								50%	50%	52%	53%	37%	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	157.3342270336126
[deg] Pointing Dec	0	56.37300363875917
[deg] Pointing Roll	0.0	153.8048738986713
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)	444828427.082902	444828427.082902
Observation start date	2012-02-05T11:27:07	2012-02-05T11:27:07
[s] Observation end time (MET)	444837284.318521	444837284.318521
Observation end date	2012-02-05T13:54:44	2012-02-05T13:54:44
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)	2012.02.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.8020254845023

A.2 Comments