

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 60613 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Nov 2 2012

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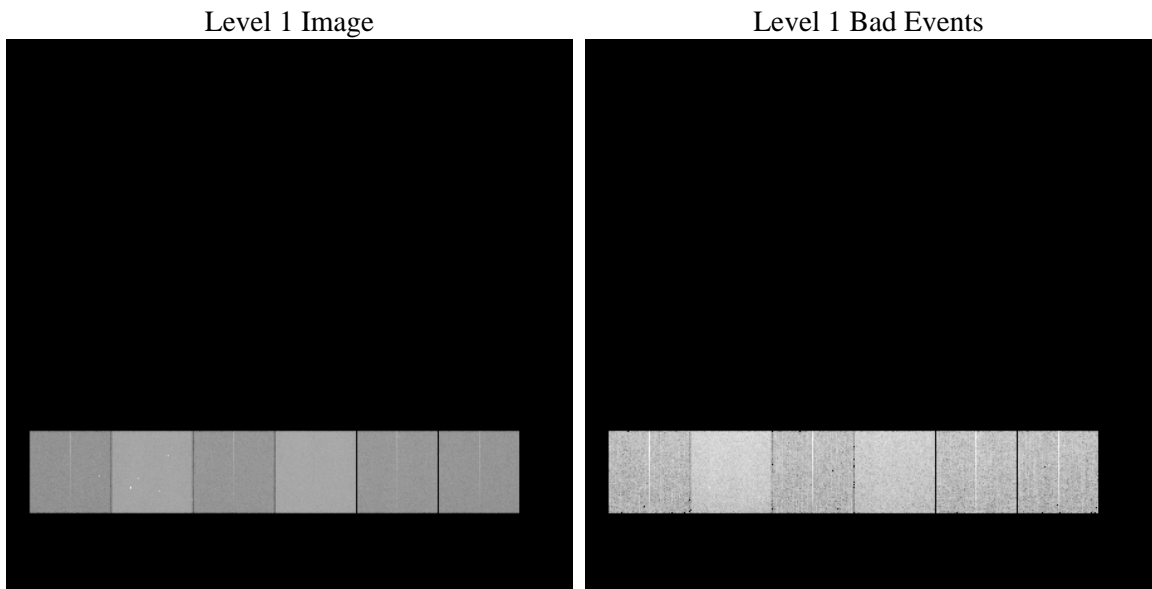
1 Front

seq_num	 	Sequence number
obs_id	60613	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtycycle	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	269.75157158812	Nominal RA [deg]
dec_nom	-31.603684800343	Nominal Dec [deg]
roll_nom	283.7991295099	Nominal Roll [deg]
revision	4	Processing version of data
ontime	11973.024840057	Sum of GTIs [s]
livetime	11821.415190242	Livetime [s]
ontime4	5827.9937022328	Sum of GTIs [s]
ontime5	11972.983800054	Sum of GTIs [s]
ontime6	6249.3628630936	Sum of GTIs [s]
ontime7	11973.024840057	Sum of GTIs [s]
ontime8	6443.1650163531	Sum of GTIs [s]
ontime9	6216.2953723073	Sum of GTIs [s]
l2events	1770318	Number of level 2 events

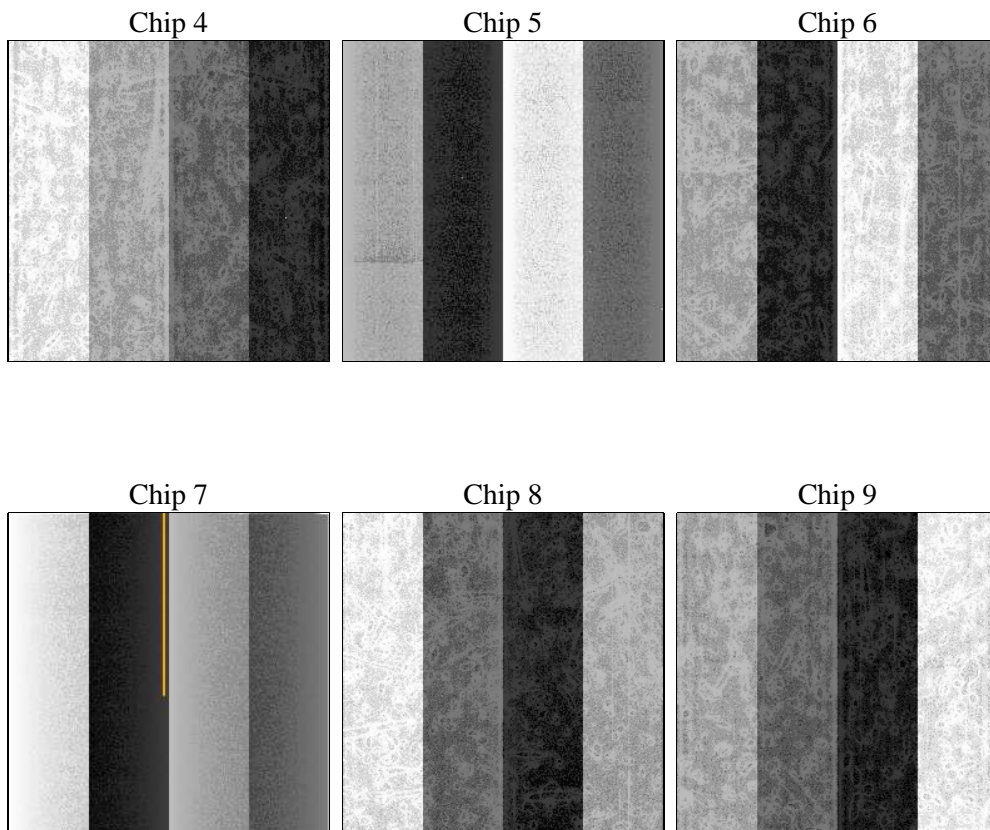
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	10200	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	11973.024840057	Sum of GTIs [s]
caldbver	4.5.2	 	ontime4	5827.9937022328	Sum of GTIs [s]
date	2012-11-01T23:55:52	Date and time of file creation	ontime5	11972.983800054	Sum of GTIs [s]
revision	4	Processing version of data	ontime6	6249.3628630936	Sum of GTIs [s]
			ontime7	11973.024840057	Sum of GTIs [s]
			ontime8	6443.1650163531	Sum of GTIs [s]
			ontime9	6216.2953723073	Sum of GTIs [s]
			l1events	2205197	Number of level 1 events

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	259511	507787	294317	550218	309416	283948	grade 0 events	126548	101145	138161	123003	144356	132857
rejected events	44950	83926	46067	70998	51486	46948		48%	19%	46%	22%	46%	46%
rejected %	17%	16%	15%	12%	16%	16%	grade 1 events	879	341	660	314	722	751
								0%	0%	0%	0%	0%	0%
							grade 2 events	34900	156254	43522	108073	45412	41373
								13%	30%	14%	19%	14%	14%
							grade 3 events	14622	26762	15686	49249	16688	15244
								5%	5%	5%	8%	5%	5%
							grade 4 events	14610	26167	15556	49079	16828	15235
								5%	5%	5%	8%	5%	5%
							grade 5 events	2750	12957	2878	11730	3600	3112
								1%	2%	0%	2%	1%	1%
							grade 6 events	27858	121673	40022	158956	38572	36832
								10%	23%	13%	28%	12%	12%
							grade 7 events	37344	62488	37832	49814	43238	38544
								14%	12%	12%	9%	13%	13%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	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	269.7515638504851	269.7515715881206	Subarray requested	NONE	NONE
[deg] Pointing Dec	-31.60365830873103	-31.60368480034318	Alternating exposures requested	N	N
[deg] Pointing Roll	283.799125413248	283.799129509899	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-0.78090834371673	-0.78090834371673			
[mm] SIM defocus	0.7524282194390134	0.7524282194390134			
[mm] SIM translation stage pos	250.4660330802	250.4660330802			
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584			
[s] Observation start time (MET)	175673991.398278	175673991.398278			
Observation start date	2003-07-27T06:33:00	2003-07-27T06:19:51			
[s] Observation end time (MET)	175687729.547255	175687729.547255			
Observation end date	2003-07-27T09:23:00	2003-07-27T10:08:49			
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)	2012.12.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	11.973024840057

A.2 Comments