

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 54616 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : May 14 2012

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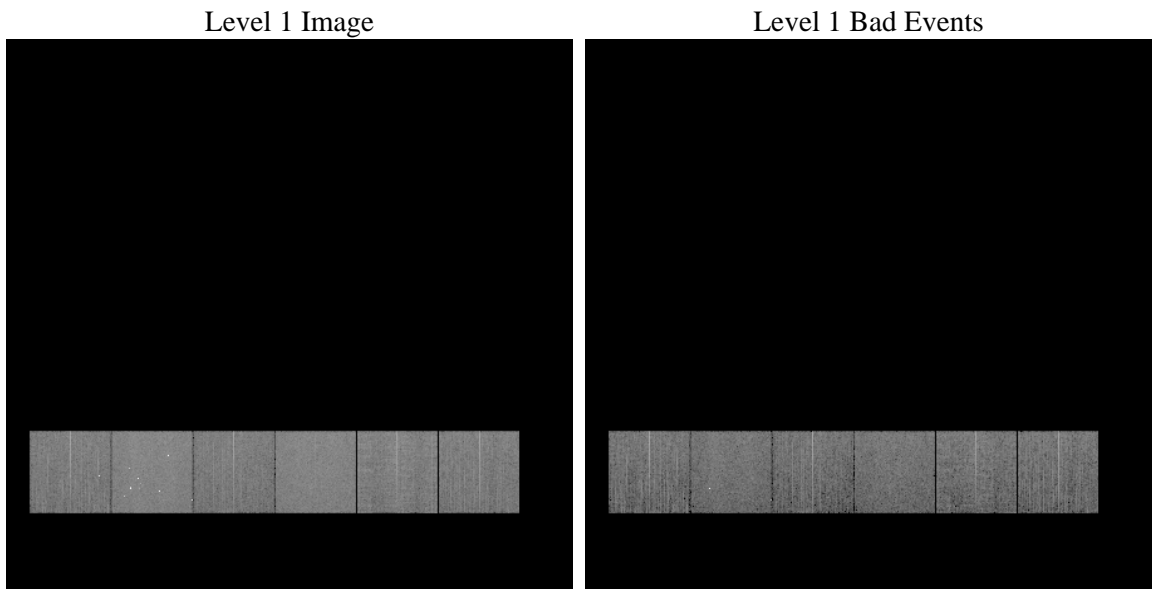
1 Front

seq_num	 	Sequence number
obs_id	54616	Observation id
title	ACIS-456789 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	211.39602685707	Nominal RA [deg]
dec_nom	-3.0284540638758	Nominal Dec [deg]
roll_nom	229.22902928244	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8283.5127973557	Sum of GTIs [s]
livetime	8178.6219705829	Livetime [s]
ontime4	8283.3896773458	Sum of GTIs [s]
ontime5	8283.4717573524	Sum of GTIs [s]
ontime6	8283.4307173491	Sum of GTIs [s]
ontime7	8283.5127973557	Sum of GTIs [s]
ontime8	8283.3486373425	Sum of GTIs [s]
ontime9	8283.553837359	Sum of GTIs [s]
l2events	283150	Number of level 2 events

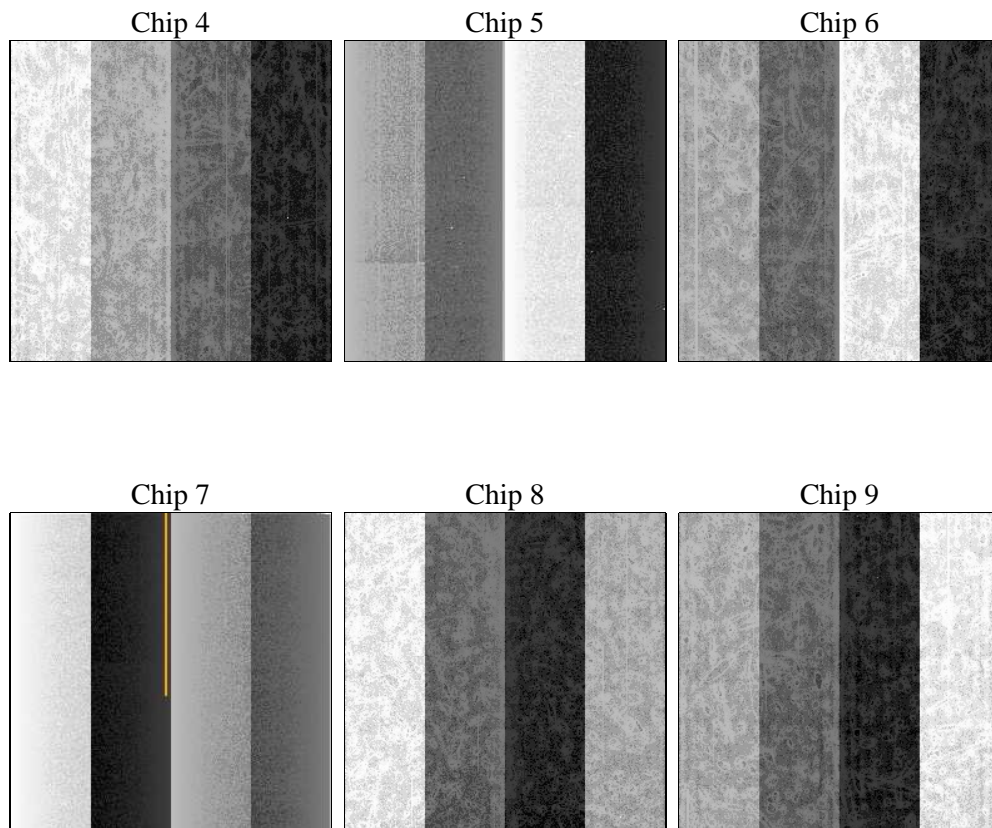
2 OBI

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	8.4.4	Processing system revision	ontime	8283.5127973557	Sum of GTIs [s]
caldsver	4.4.9	 	ontime4	8283.3896773458	Sum of GTIs [s]
date	2012-05-14T08:00:45	Date and time of file creation	ontime5	8283.4717573524	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8283.4307173491	Sum of GTIs [s]
			ontime7	8283.5127973557	Sum of GTIs [s]
			ontime8	8283.3486373425	Sum of GTIs [s]
			ontime9	8283.553837359	Sum of GTIs [s]
			l1events	672220	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	101127	141048	95723	123350	111343	99629	grade 0 events	24078	14870	20863	10637	24062	21136
rejected events	59924	60454	54237	56439	59967	58979		23%	10%	21%	8%	21%	21%
rejected %	59%	42%	56%	45%	53%	59%	grade 1 events	196	150	84	91	124	129
								0%	0%	0%	0%	0%	0%
							grade 2 events	6169	26667	8076	14595	10087	7242
								6%	18%	8%	11%	9%	7%
							grade 3 events	2817	2555	2639	5714	3795	2889
								2%	1%	2%	4%	3%	2%
							grade 4 events	2844	2345	2732	5590	3768	2752
								2%	1%	2%	4%	3%	2%
							grade 5 events	3303	7004	3282	8196	4517	3963
								3%	4%	3%	6%	4%	3%
							grade 6 events	5295	34157	7176	30375	9664	6631
								5%	24%	7%	24%	8%	6%
							grade 7 events	56425	53300	50871	48152	55326	54887
								55%	37%	53%	39%	49%	55%

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	NONE	UPDATED
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	211.3960268570674	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-3.02845406387578	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	229.2290292824421	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	453310077.032584	453310076.00758			
Observation start date	2012-05-13T15:27:57	2012-05-13T15:27:56			
[s] Observation end time (MET)	453320257.333126	453320256.30813			
Observation end date	2012-05-13T18:17:37	2012-05-13T18:17:36			
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)	2012.05.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2835127973557

A.2 Comments