

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 54654 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Apr 28 2012

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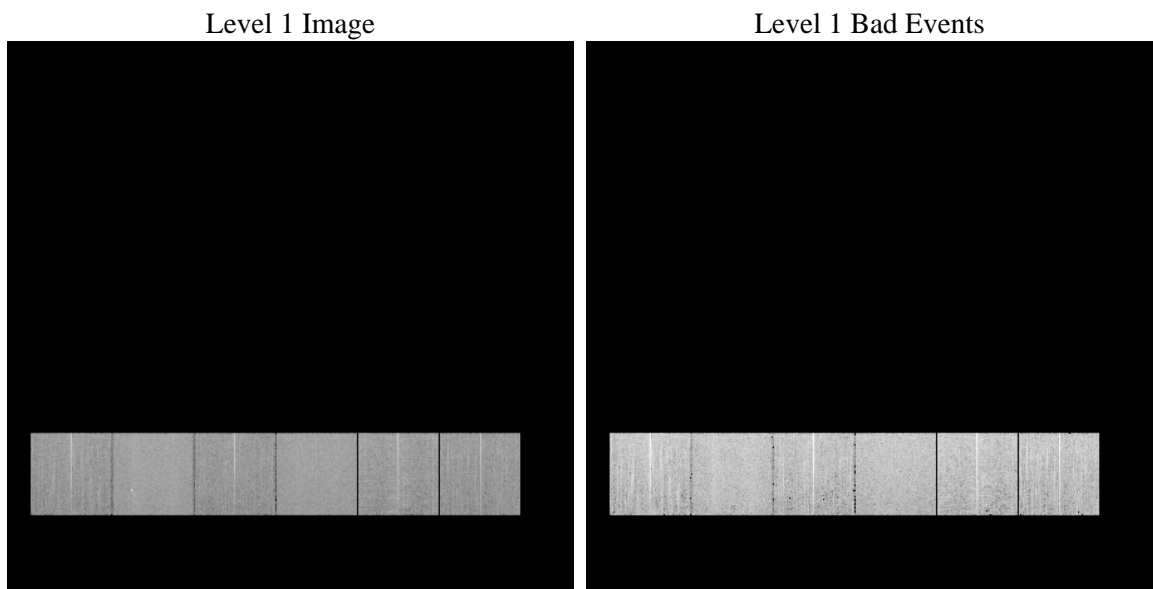
1 Front

seq_num	 	Sequence number
obs_id	54654	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	208.78272292934	Nominal RA [deg]
dec_nom	-14.74711455851	Nominal Dec [deg]
roll_nom	153.13840094537	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8243.1999693513	Sum of GTIs [s]
livetime	8138.8196078802	Livetime [s]
ontime4	8243.1999693513	Sum of GTIs [s]
ontime5	8243.1999693513	Sum of GTIs [s]
ontime6	8239.9589986205	Sum of GTIs [s]
ontime7	8243.1999693513	Sum of GTIs [s]
ontime8	8243.1999693513	Sum of GTIs [s]
ontime9	8243.1999693513	Sum of GTIs [s]
l2events	281791	Number of level 2 events

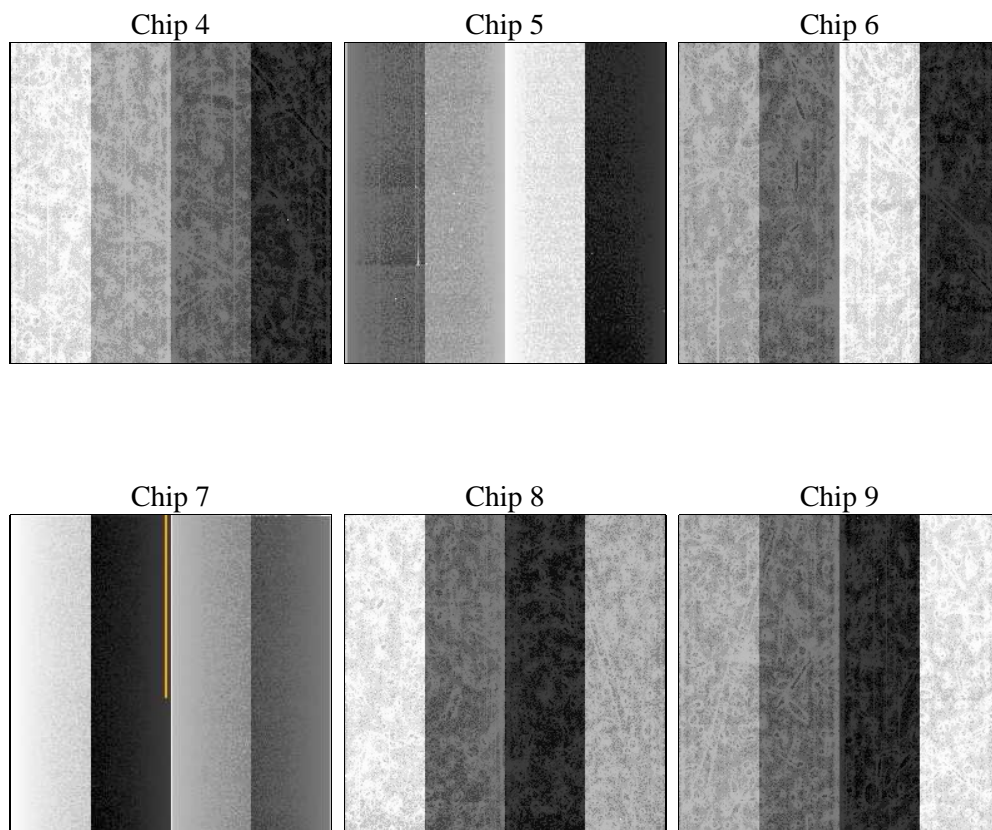
2 OBI

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	8243.1999693513	Sum of GTIs [s]
caldsver	4.4.9	 	ontime4	8243.1999693513	Sum of GTIs [s]
date	2012-04-28T17:16:13	Date and time of file creation	ontime5	8243.1999693513	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8239.9589986205	Sum of GTIs [s]
			ontime7	8243.1999693513	Sum of GTIs [s]
			ontime8	8243.1999693513	Sum of GTIs [s]
			ontime9	8243.1999693513	Sum of GTIs [s]
			l1events	662834	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	101287	129546	96903	122957	111617	100524	grade 0 events	21965	6012	18594	9958	23513	20491
rejected events	62738	59469	55520	56384	60627	60337		21%	4%	19%	8%	21%	20%
rejected %	61%	45%	57%	45%	54%	60%	grade 1 events	176	149	96	99	124	139
								0%	0%	0%	0%	0%	0%
							grade 2 events	5892	25905	10656	15060	10294	7703
								5%	19%	10%	12%	9%	7%
							grade 3 events	2826	2404	2346	5441	3681	2589
								2%	1%	2%	4%	3%	2%
							grade 4 events	2905	2319	2329	5283	3623	2575
								2%	1%	2%	4%	3%	2%
							grade 5 events	3212	6104	2994	7764	4278	3543
								3%	4%	3%	6%	3%	3%
							grade 6 events	5118	33733	7634	31108	10133	6995
								5%	26%	7%	25%	9%	6%
							grade 7 events	59193	52920	52254	48244	55971	56489
								58%	40%	53%	39%	50%	56%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	208.7827229293414
[deg] Pointing Dec	0	-14.74711455850972
[deg] Pointing Roll	0.0	153.1384009453735
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)	451939317.80977	451939317.80977
Observation start date	2012-04-27T18:41:58	2012-04-27T18:41:57
[s] Observation end time (MET)	451949135.661781	451949135.661781
Observation end date	2012-04-27T21:25:36	2012-04-27T21:25:35
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	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.04.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2431999693513

A.2 Comments