

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 52500 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Sep 4 2014

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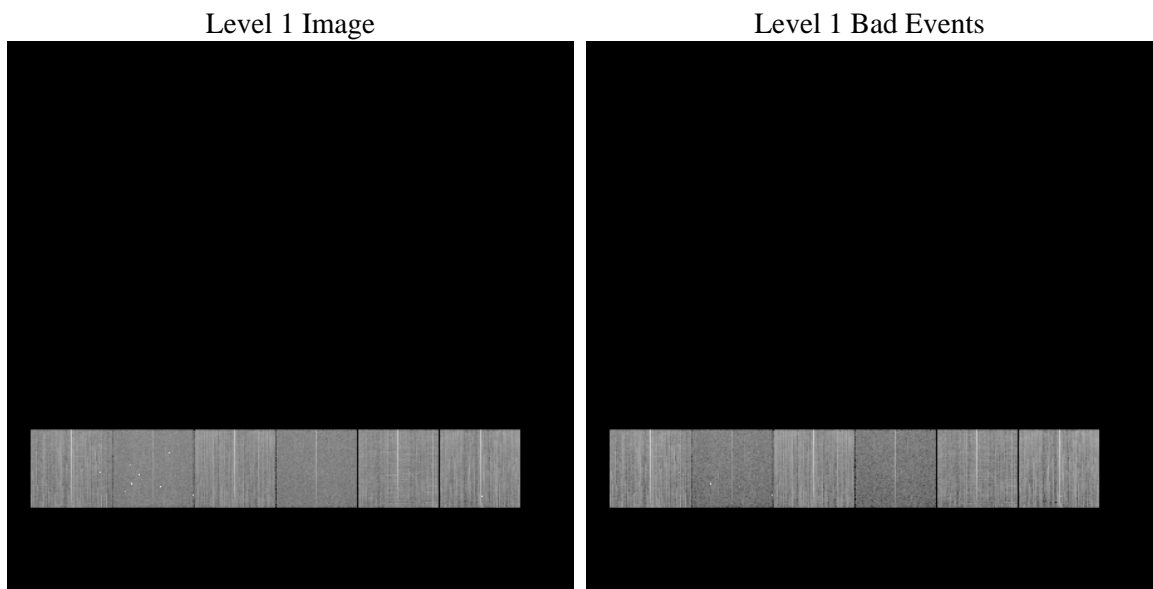
1 Front

seq_num	 	Sequence number
obs_id	52500	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	2.2718073000519	Nominal RA [deg]
dec_nom	10.307860366588	Nominal Dec [deg]
roll_nom	131.33924338407	Nominal Roll [deg]
revision	1	Processing version of data
ontime	7647.9999715686	Sum of GTIs [s]
livetime	7551.1563908559	Livetime [s]
ontime4	7647.9999715686	Sum of GTIs [s]
ontime5	7647.9999715686	Sum of GTIs [s]
ontime6	7644.7589712739	Sum of GTIs [s]
ontime7	7647.9999715686	Sum of GTIs [s]
ontime8	7647.9999715686	Sum of GTIs [s]
ontime9	7647.9999715686	Sum of GTIs [s]
l2events	235213	Number of level 2 events

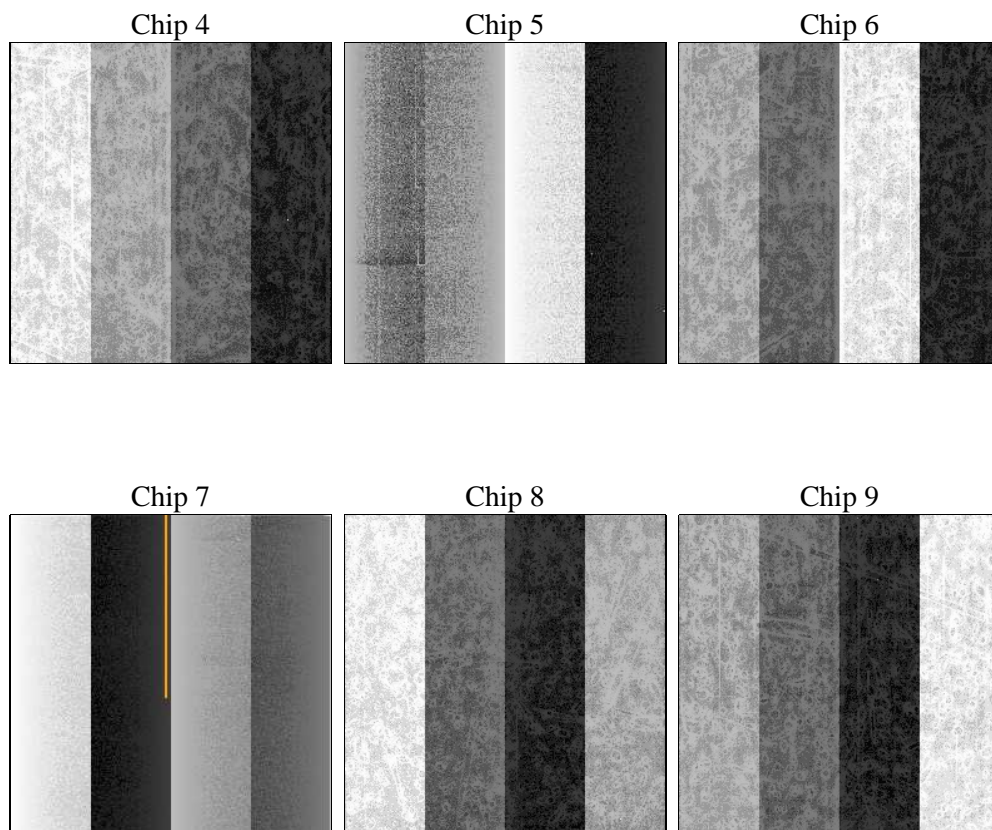
2 OBI

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	10.2.4	Processing system revision	ontime	7647.9999715686	Sum of GTIs [s]
caldbver	4.6.3	 	ontime4	7647.9999715686	Sum of GTIs [s]
date	2014-09-04T14:45:46	Date and time of file creation	ontime5	7647.9999715686	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	7644.7589712739	Sum of GTIs [s]
			ontime7	7647.9999715686	Sum of GTIs [s]
			ontime8	7647.9999715686	Sum of GTIs [s]
			ontime9	7647.9999715686	Sum of GTIs [s]
			l1events	1113054	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	202203	160088	204312	136415	197289	212747	grade 0 events	19037	13015	15633	8329	21065	18079
rejected events	169093	87650	172323	77131	149069	179036		9%	8%	7%	6%	10%	8%
rejected %	83%	54%	84%	56%	75%	84%	grade 1 events	191	331	106	111	164	126
								0%	0%	0%	0%	0%	0%
							grade 2 events	6214	26099	7309	16023	10887	6833
								3%	16%	3%	11%	5%	3%
							grade 3 events	2298	3117	2081	4716	4071	2173
								1%	1%	1%	3%	2%	1%
							grade 4 events	2224	2584	2048	4609	3737	2151
								1%	1%	1%	3%	1%	1%
							grade 5 events	3277	7349	3118	7885	4263	3549
								1%	4%	1%	5%	2%	1%
							grade 6 events	4775	30323	6282	27873	10434	5928
								2%	18%	3%	20%	5%	2%
							grade 7 events	164187	77270	167735	66869	142668	173908
								81%	48%	82%	49%	72%	81%

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	2.271807300051883
[deg] Pointing Dec	0	10.30786036658804
[deg] Pointing Roll	0.0	131.3392433840694
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)	526170979.067233	526170979.067233
Observation start date	2014-09-03T22:36:19	2014-09-03T22:36:19
[s] Observation end time (MET)	526180163.961994	526180163.961994
Observation end date	2014-09-04T01:09:24	2014-09-04T01:09:23
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)	2014.09.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.6479999715686

A.2 Comments