

V&V Reference Report

L2 ASCDS Version : 10.2.1

Observation 52949 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Mar 6 2014

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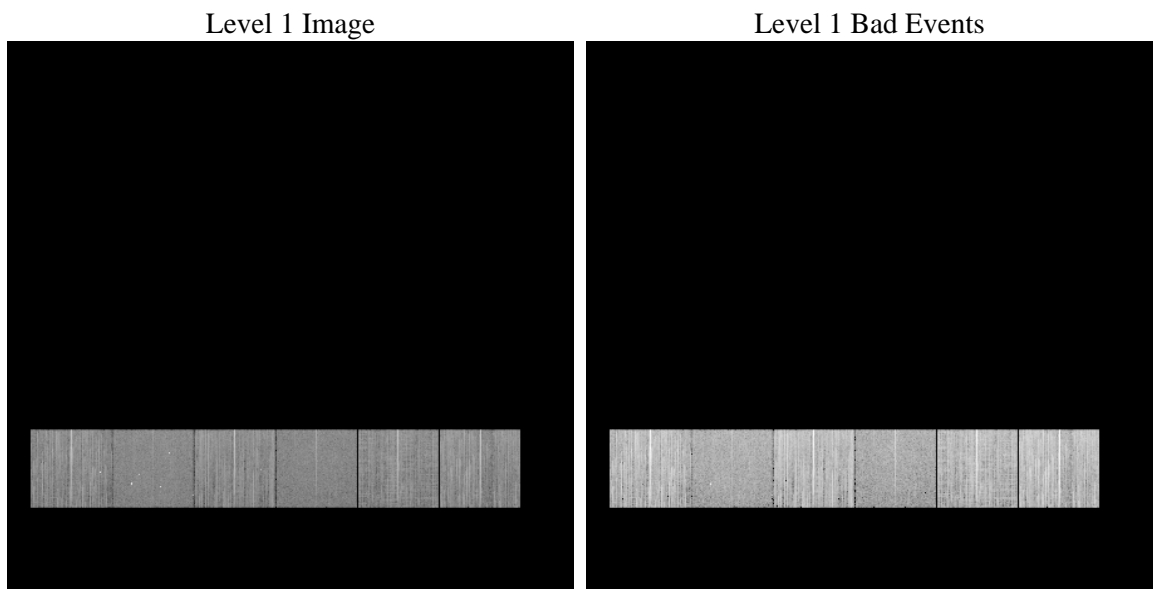
1 Front

seq_num	 	Sequence number
obs_id	52949	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	345.5253021385	Nominal RA [deg]
dec_nom	46.652738143754	Nominal Dec [deg]
roll_nom	0.42942970221032	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8281.5999692082	Sum of GTIs [s]
livetime	8176.7333638173	Livetime [s]
ontime4	8281.5999692082	Sum of GTIs [s]
ontime5	8281.5999692082	Sum of GTIs [s]
ontime6	8281.5999692082	Sum of GTIs [s]
ontime7	8281.5999692082	Sum of GTIs [s]
ontime8	8281.5999692082	Sum of GTIs [s]
ontime9	8281.5999692082	Sum of GTIs [s]
l2events	198761	Number of level 2 events

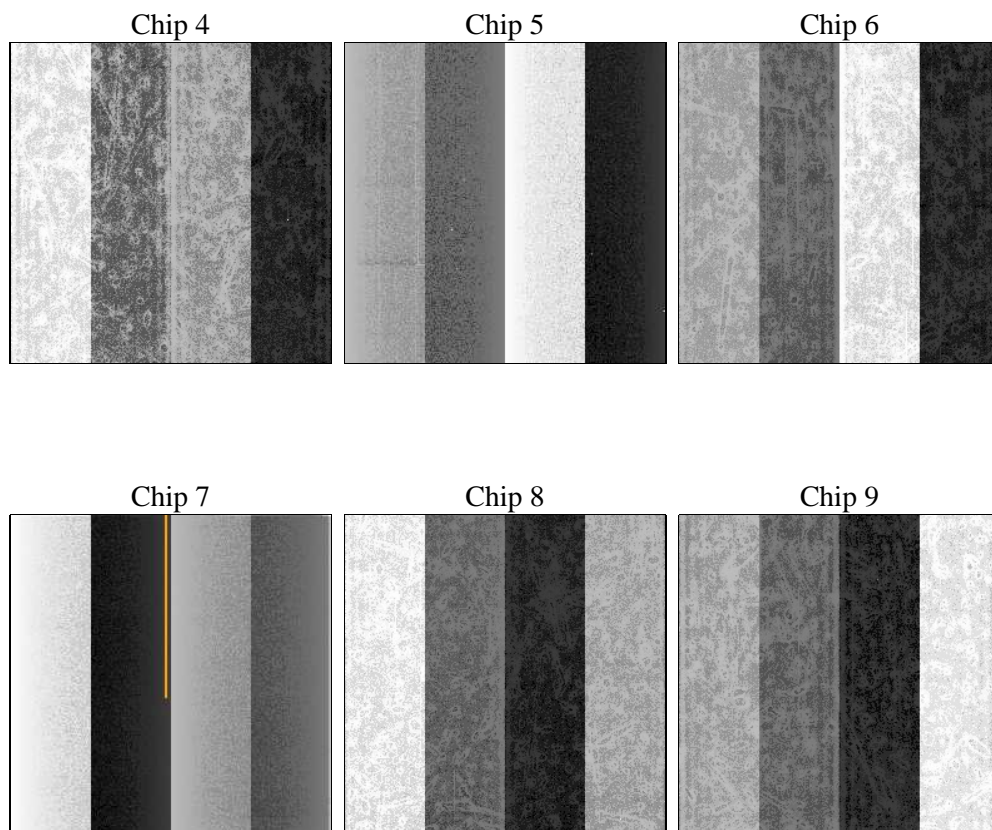
2 OBI

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	10.2.1	Processing system revision	ontime	8281.5999692082	Sum of GTIs [s]
caldsver	4.6.0	 	ontime4	8281.5999692082	Sum of GTIs [s]
date	2014-03-06T11:53:30	Date and time of file creation	ontime5	8281.5999692082	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8281.5999692082	Sum of GTIs [s]
			ontime7	8281.5999692082	Sum of GTIs [s]
			ontime8	8281.5999692082	Sum of GTIs [s]
			ontime9	8281.5999692082	Sum of GTIs [s]
			l1events	811842	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	142334	120055	142791	109582	140140	156940	grade 0 events	16214	7359	13173	6667	15874	13457
rejected events	113522	65612	115041	60210	105169	129814		11%	6%	9%	6%	11%	8%
rejected %	79%	54%	80%	54%	75%	82%	grade 1 events	116	358	72	59	77	75
								0%	0%	0%	0%	0%	0%
							grade 2 events	5247	19518	6196	12357	7305	5492
								3%	16%	4%	11%	5%	3%
							grade 3 events	1881	1591	1724	3898	2588	1827
								1%	1%	1%	3%	1%	1%
							grade 4 events	1859	1574	1751	3809	2512	1854
								1%	1%	1%	3%	1%	1%
							grade 5 events	2862	4943	2766	6353	3531	3131
								2%	4%	1%	5%	2%	1%
							grade 6 events	3623	24419	4918	22658	6714	4505
								2%	20%	3%	20%	4%	2%
							grade 7 events	110532	60293	112191	53781	101539	126599
								77%	50%	78%	49%	72%	80%

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	345.525302138498	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	46.65273814375383	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	0.4294297022103239	[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)	510404741.845629	510404740.82063			
Observation start date	2014-03-05T11:05:42	2014-03-05T11:05:40			
[s] Observation end time (MET)	510416871.696298	510416870.6713			
Observation end date	2014-03-05T14:27:52	2014-03-05T14:27:50			
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)	2014.03.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2815999692082

A.2 Comments