

V&V Reference Report

L2 ASCDS Version : 10.2.1

Observation 52940 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Mar 11 2014

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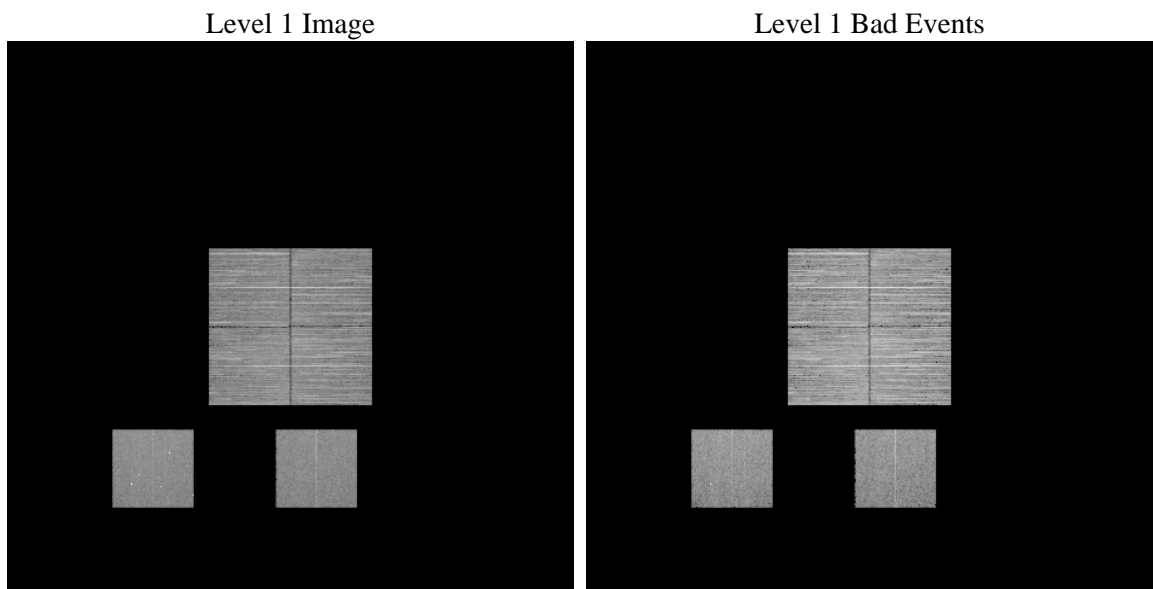
1 Front

seq_num	 	Sequence number
obs_id	52940	Observation id
title	ACIS-012357 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	160.02477711967	Nominal RA [deg]
dec_nom	-18.000009902141	Nominal Dec [deg]
roll_nom	333.43079860852	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8290.338190794	Sum of GTIs [s]
livetime	8185.3609367798	Livetime [s]
ontime0	8290.2971507907	Sum of GTIs [s]
ontime1	8290.2561107874	Sum of GTIs [s]
ontime2	8290.2150707841	Sum of GTIs [s]
ontime3	8290.3792307973	Sum of GTIs [s]
ontime5	8290.1740307808	Sum of GTIs [s]
ontime7	8290.338190794	Sum of GTIs [s]
l2events	206332	Number of level 2 events

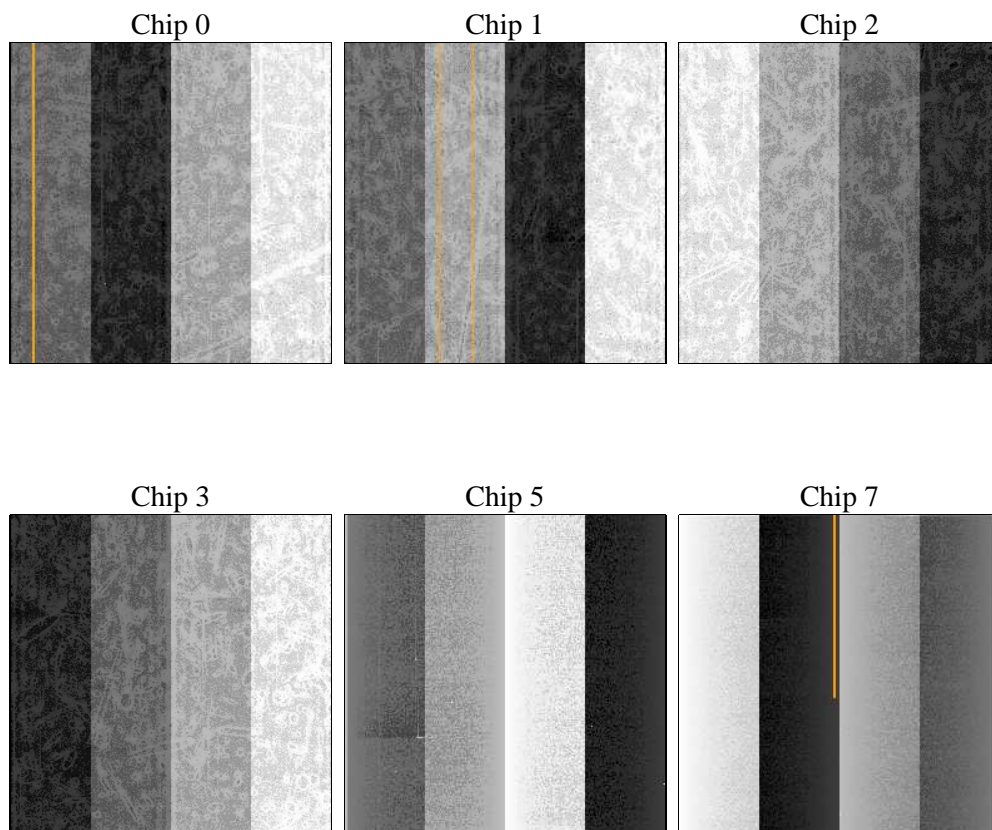
2 OBI

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	8290.338190794	Sum of GTIs [s]
caldsver	4.6.0	 	ontime0	8290.2971507907	Sum of GTIs [s]
date	2014-03-11T14:29:15	Date and time of file creation	ontime1	8290.2561107874	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8290.2150707841	Sum of GTIs [s]
			ontime3	8290.3792307973	Sum of GTIs [s]
			ontime5	8290.1740307808	Sum of GTIs [s]
			ontime7	8290.338190794	Sum of GTIs [s]
			l1events	800408	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	134645	132369	142822	149188	126141	115243	grade 0 events	13968	13524	14261	13974	8139	7296
rejected events	107230	104811	115358	121786	67420	63065		10%	10%	9%	9%	6%	6%
rejected %	79%	79%	80%	81%	53%	54%	grade 1 events	71	62	84	81	102	83
								0%	0%	0%	0%	0%	0%
							grade 2 events	5438	5765	5354	5252	21379	12826
								4%	4%	3%	3%	16%	11%
							grade 3 events	1850	1842	1922	1949	2094	4274
								1%	1%	1%	1%	1%	3%
							grade 4 events	1844	1787	1926	2017	1954	4332
								1%	1%	1%	1%	1%	3%
							grade 5 events	2761	2799	2589	2895	5804	7160
								2%	2%	1%	1%	4%	6%
							grade 6 events	4315	4640	4001	4210	25155	23450
								3%	3%	2%	2%	19%	20%
							grade 7 events	104398	101950	112685	118810	61514	55822
								77%	77%	78%	79%	48%	48%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012357	ACIS-012357	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	160.0247771196681	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-18.00000990214113	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	333.4307986085237	[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)	510863029.620894	510863028.59589			
Observation start date	2014-03-10T18:23:50	2014-03-10T18:23:48			
[s] Observation end time (MET)	510875903.621604	510875902.5966			
Observation end date	2014-03-10T21:58:24	2014-03-10T21:58:22			
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)	2014.03.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.290338190794

A.2 Comments