

V&V Reference Report

L2 ASCDS Version : 10.2.1

Observation 52874 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Apr 4 2014

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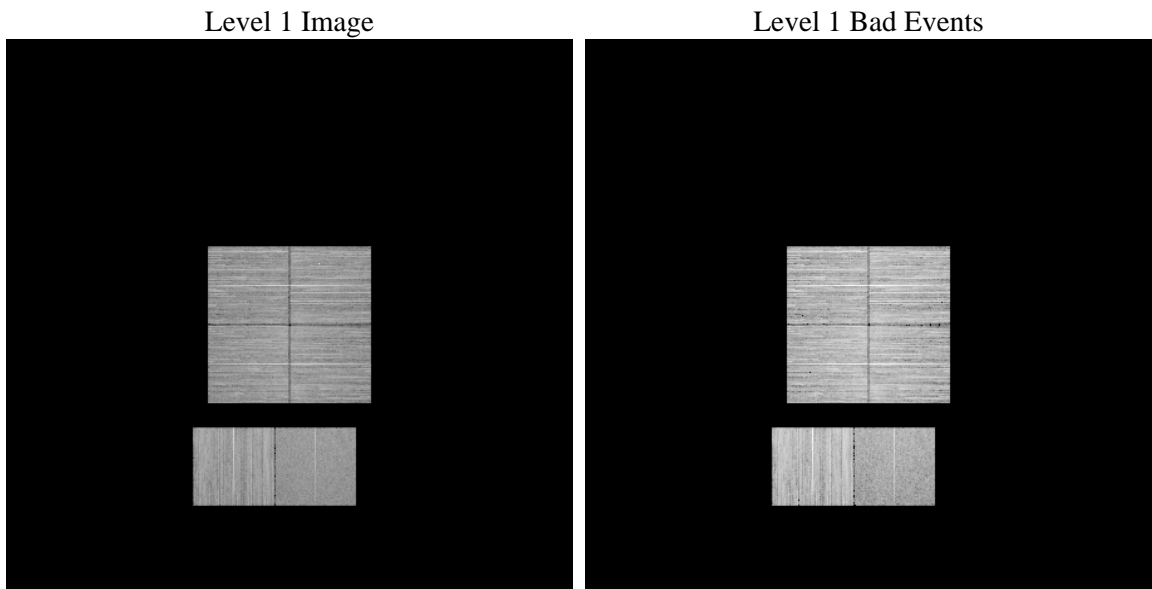
1 Front

seq_num	 	Sequence number
obs_id	52874	Observation id
title	ACIS-012367 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	200.02282949729	Nominal RA [deg]
dec_nom	-32.978602211292	Nominal Dec [deg]
roll_nom	15.34735947541	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8108.1477844715	Sum of GTIs [s]
livetime	8005.4775350841	Livetime [s]
ontime0	8108.1067444682	Sum of GTIs [s]
ontime1	8108.0657044649	Sum of GTIs [s]
ontime2	8108.0246644616	Sum of GTIs [s]
ontime3	8108.1888244748	Sum of GTIs [s]
ontime6	8107.9836244583	Sum of GTIs [s]
ontime7	8108.1477844715	Sum of GTIs [s]
l2events	177176	Number of level 2 events

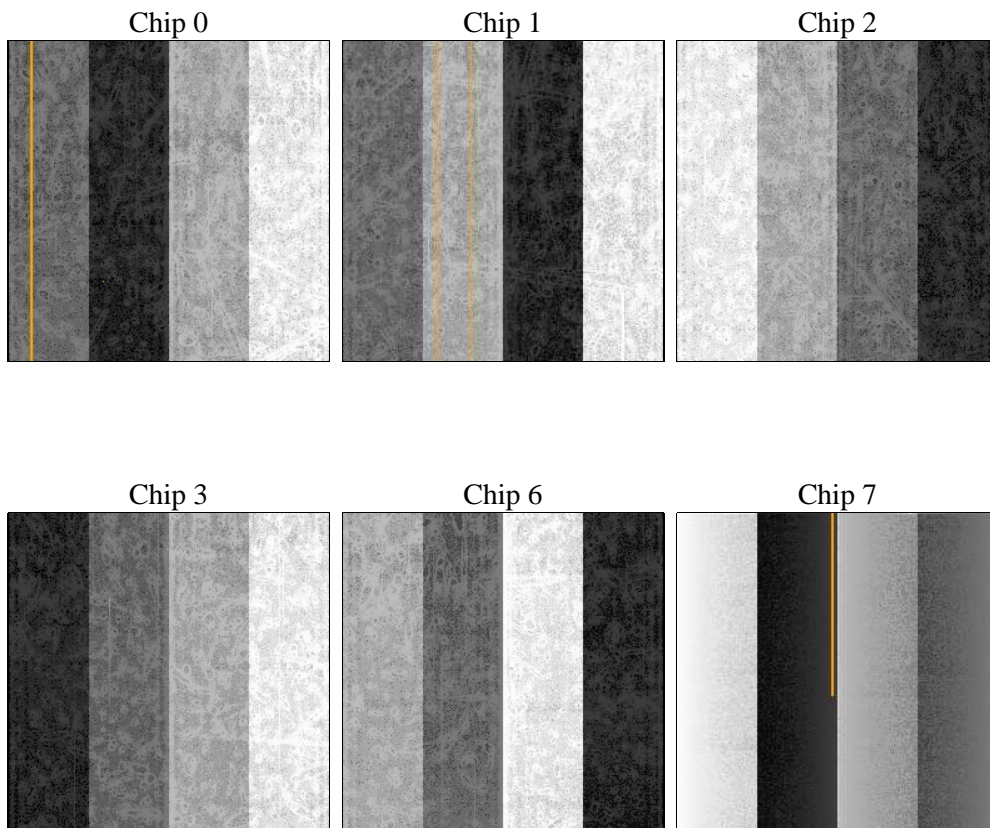
2 OBI

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	8108.1477844715	Sum of GTIs [s]
caldbver	4.6.1	 	ontime0	8108.1067444682	Sum of GTIs [s]
date	2014-04-04T12:09:18	Date and time of file creation	ontime1	8108.0657044649	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8108.0246644616	Sum of GTIs [s]
			ontime3	8108.1888244748	Sum of GTIs [s]
			ontime6	8107.9836244583	Sum of GTIs [s]
			ontime7	8108.1477844715	Sum of GTIs [s]
			l1events	822226	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	132898	147212	139463	135128	151304	116221	grade 0 events	13392	14329	13918	13825	13962	7188
rejected events	106014	118936	112560	108267	122966	64691		10%	9%	9%	10%	9%	6%
rejected %	79%	80%	80%	80%	81%	55%	grade 1 events	65	77	88	79	76	85
								0%	0%	0%	0%	0%	0%
							grade 2 events	5526	5675	5308	5200	5802	12698
								4%	3%	3%	3%	3%	10%
							grade 3 events	1851	1887	1816	1877	1857	4148
								1%	1%	1%	1%	1%	3%
							grade 4 events	1873	1862	1803	1880	1855	4047
								1%	1%	1%	1%	1%	3%
							grade 5 events	2755	2792	2547	3060	2853	7181
								2%	1%	1%	2%	1%	6%
							grade 6 events	4343	4615	4152	4169	4966	23606
								3%	3%	2%	3%	3%	20%
							grade 7 events	103093	115975	109831	105038	119933	57268
								77%	78%	78%	77%	79%	49%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	200.0228294972927	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-32.97860221129244	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	15.34735947541036	[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)	512956171.986226	512956170.96123			
Observation start date	2014-04-03T23:49:32	2014-04-03T23:49:30			
[s] Observation end time (MET)	512966016.086769	512966015.06177			
Observation end date	2014-04-04T02:33:36	2014-04-04T02:33:35			
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)	2014.04.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1081477844715

A.2 Comments