

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 55894 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jul 6 2012

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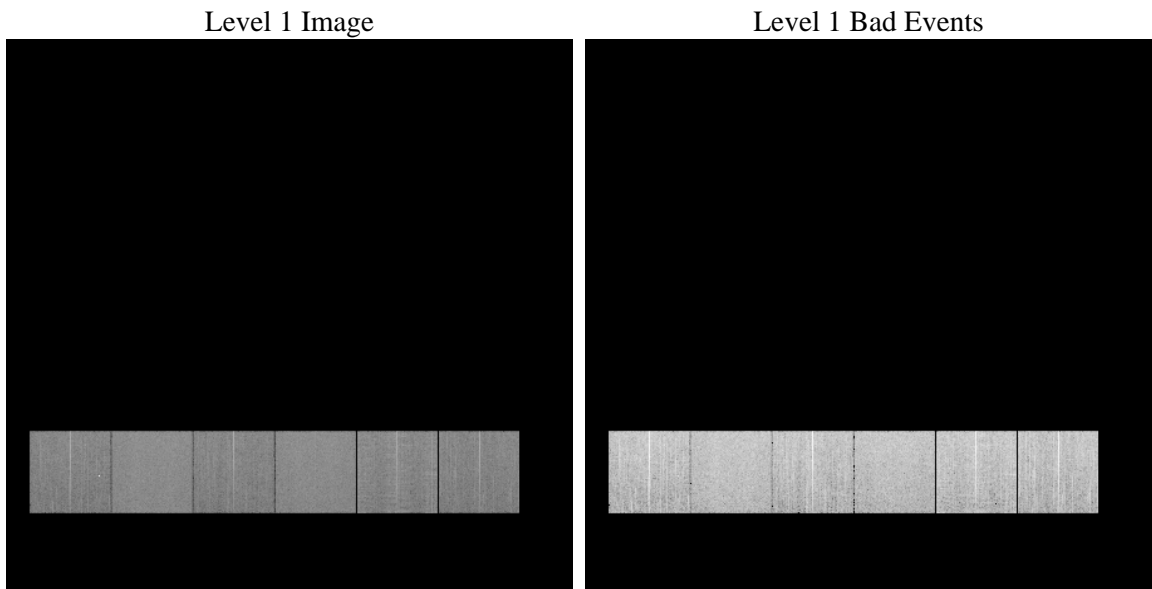
1 Front

seq_num	 	Sequence number
obs_id	55894	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	27.52868295967	Nominal RA [deg]
dec_nom	-2.5026375130069	Nominal Dec [deg]
roll_nom	321.87714105138	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8243.0037916899	Sum of GTIs [s]
livetime	8138.6259143385	Livetime [s]
ontime4	8242.88067168	Sum of GTIs [s]
ontime5	8242.9627516866	Sum of GTIs [s]
ontime6	8242.9217116833	Sum of GTIs [s]
ontime7	8243.0037916899	Sum of GTIs [s]
ontime8	8242.8396316767	Sum of GTIs [s]
ontime9	8243.0448316932	Sum of GTIs [s]
l2events	389924	Number of level 2 events

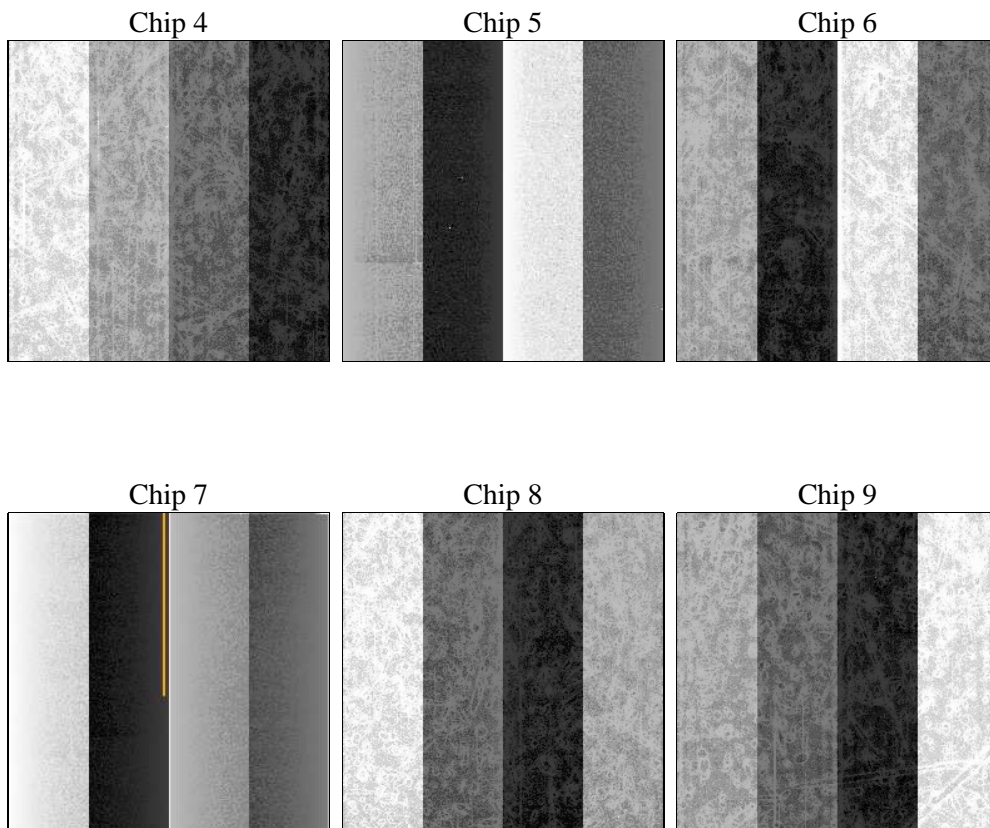
2 OBI

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	8.4.5	Processing system revision	ontime	8243.0037916899	Sum of GTIs [s]
caldsver	4.5.0	 	ontime4	8242.88067168	Sum of GTIs [s]
date	2012-07-06T13:54:51	Date and time of file creation	ontime5	8242.9627516866	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8242.9217116833	Sum of GTIs [s]
			ontime7	8243.0037916899	Sum of GTIs [s]
			ontime8	8242.8396316767	Sum of GTIs [s]
			ontime9	8243.0448316932	Sum of GTIs [s]
			l1events	846126	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	127631	160349	127216	156793	146596	127541	grade 0 events	33396	10436	30116	15550	34383	30270
rejected events	70358	69388	68662	66233	74897	70287		26%	6%	23%	9%	23%	23%
rejected %	55%	43%	53%	42%	51%	55%	grade 1 events	291	199	179	131	232	219
								0%	0%	0%	0%	0%	0%
							grade 2 events	9016	32828	10974	19618	13951	10212
								7%	20%	8%	12%	9%	8%
							grade 3 events	3927	3723	3835	8252	5423	3948
								3%	2%	3%	5%	3%	3%
							grade 4 events	3885	3719	3902	8107	5207	3824
								3%	2%	3%	5%	3%	2%
							grade 5 events	3898	8764	3960	10292	5406	4602
								3%	5%	3%	6%	3%	3%
							grade 6 events	7341	40703	10022	39491	13171	9263
								5%	25%	7%	25%	8%	7%
							grade 7 events	65877	59977	64228	55352	68823	65203
								51%	37%	50%	35%	46%	51%

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	27.52868295966976	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-2.502637513006892	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	321.8771410513768	[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)	405560060.619429	405560059.59441			
Observation start date	2010-11-07T23:34:21	2010-11-07T23:34:19			
[s] Observation end time (MET)	405571723.07003	405571722.04501			
Observation end date	2010-11-08T02:48:43	2010-11-08T02:48:42			
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)	2012.07.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2430037916899

A.2 Comments