

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 53792 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Apr 9 2013

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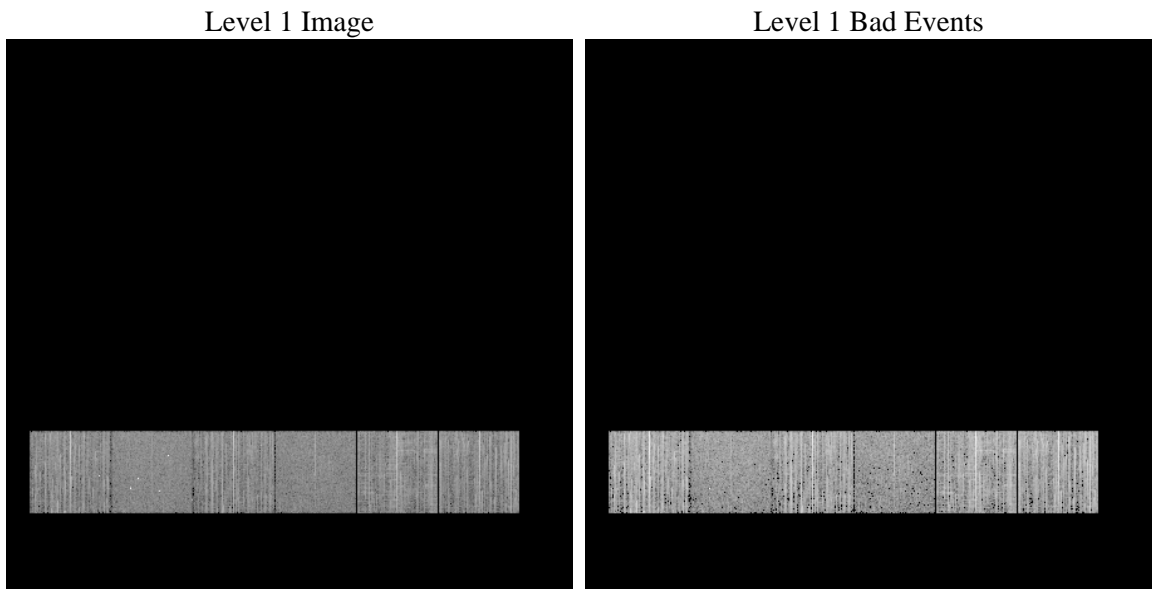
1 Front

seq_num	 	Sequence number
obs_id	53792	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtycycle	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	257.29768918087	Nominal RA [deg]
dec_nom	-77.89366775493	Nominal Dec [deg]
roll_nom	61.705044261091	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3281.9897993207	Sum of GTIs [s]
livetime	3240.4312683047	Livetime [s]
ontime4	3281.8666793108	Sum of GTIs [s]
ontime5	3281.9487593174	Sum of GTIs [s]
ontime6	3281.9077193141	Sum of GTIs [s]
ontime7	3281.9897993207	Sum of GTIs [s]
ontime8	3281.8256393075	Sum of GTIs [s]
ontime9	3282.030839324	Sum of GTIs [s]
l2events	99100	Number of level 2 events

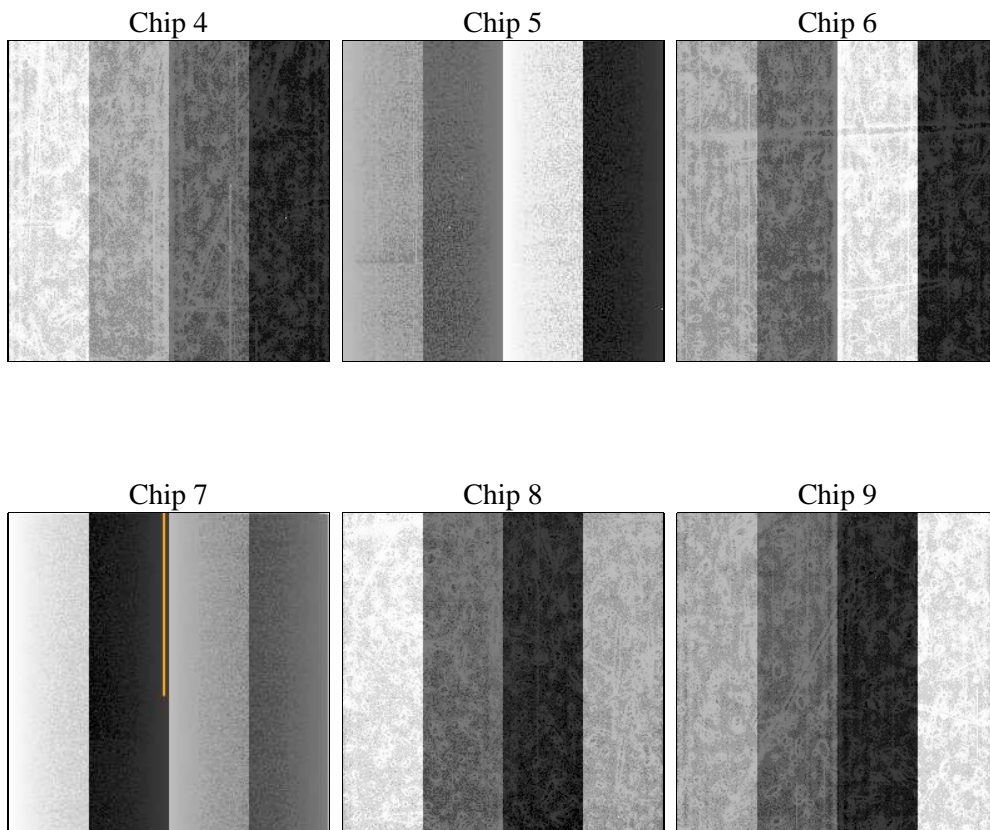
2 OBI

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	8.5.1.1	Processing system revision	ontime	3281.9897993207	Sum of GTIs [s]
caldbver	4.5.6	 	ontime4	3281.8666793108	Sum of GTIs [s]
date	2013-04-09T17:07:09	Date and time of file creation	ontime5	3281.9487593174	Sum of GTIs [s]
			ontime6	3281.9077193141	Sum of GTIs [s]
revision	1	Processing version of data	ontime7	3281.9897993207	Sum of GTIs [s]
			ontime8	3281.8256393075	Sum of GTIs [s]
			ontime9	3282.030839324	Sum of GTIs [s]
			l1events	386433	Number of level 1 events

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	67663	58864	65001	53045	70767	71093
rejected events	53870	30642	50977	28637	52767	57416
rejected %	79%	52%	78%	53%	74%	80%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	7710	4821	6824	3483	7899	6852
	11%	8%	10%	6%	11%	9%
grade 1 events	72	297	31	27	52	41
	0%	0%	0%	0%	0%	0%
grade 2 events	2458	9771	3008	6116	3814	2674
	3%	16%	4%	11%	5%	3%
grade 3 events	902	879	874	2019	1408	905
	1%	1%	1%	3%	1%	1%
grade 4 events	925	838	919	1916	1371	940
	1%	1%	1%	3%	1%	1%
grade 5 events	1361	2397	1294	3201	1730	1539
	2%	4%	1%	6%	2%	2%
grade 6 events	1798	11913	2399	10874	3508	2306
	2%	20%	3%	20%	4%	3%
grade 7 events	52437	27948	49652	25409	50985	55836
	77%	47%	76%	47%	72%	78%

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	257.2976891808715	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-77.89366775493009	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	61.70504426109104	[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)	481850400.986095	481850399.9611			
Observation start date	2013-04-08T23:20:01	2013-04-08T23:19:59			
[s] Observation end time (MET)	481862112.636729	481862111.61173			
Observation end date	2013-04-09T02:35:13	2013-04-09T02:35:11			
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)	2013.04.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2819897993207

A.2 Comments