

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 53883 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Mar 8 2013

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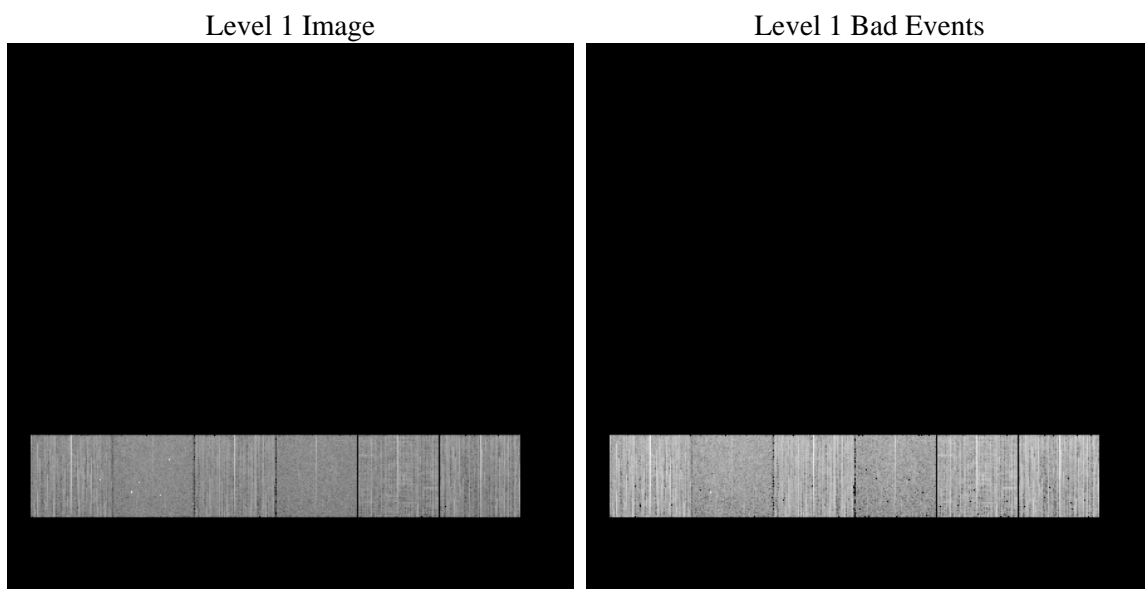
1 Front

seq_num	 	Sequence number
obs_id	53883	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	140.75001675943	Nominal RA [deg]
dec_nom	9.4652849104697	Nominal Dec [deg]
roll_nom	262.56773706242	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4555.8265047669	Sum of GTIs [s]
livetime	4498.1378863742	Livetime [s]
ontime4	4555.703384757	Sum of GTIs [s]
ontime5	4555.7854647636	Sum of GTIs [s]
ontime6	4555.7444247603	Sum of GTIs [s]
ontime7	4555.8265047669	Sum of GTIs [s]
ontime8	4555.6623447537	Sum of GTIs [s]
ontime9	4555.8675447702	Sum of GTIs [s]
l2events	139640	Number of level 2 events

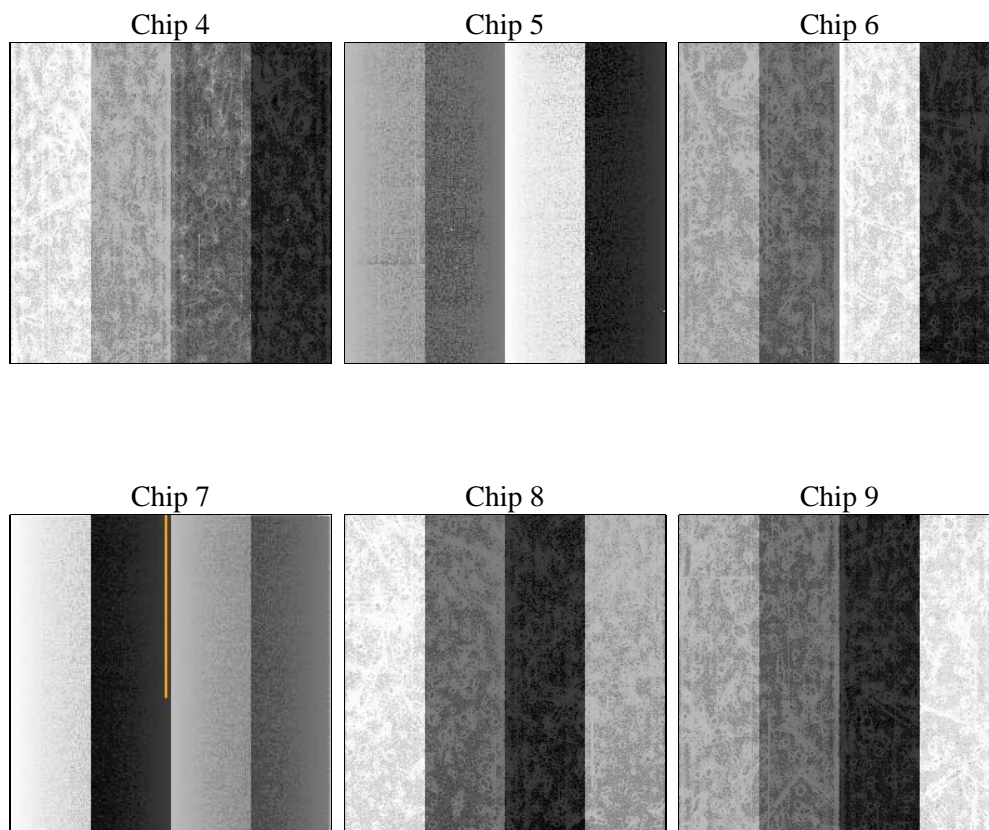
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	4555.8265047669	Sum of GTIs [s]
caldbver	4.5.6	 	ontime4	4555.703384757	Sum of GTIs [s]
date	2013-03-09T02:24:29	Date and time of file creation	ontime5	4555.7854647636	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	4555.7444247603	Sum of GTIs [s]
			ontime7	4555.8265047669	Sum of GTIs [s]
			ontime8	4555.6623447537	Sum of GTIs [s]
			ontime9	4555.8675447702	Sum of GTIs [s]
			l1events	561078	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	103307	82715	101612	76412	96202	100830	grade 0 events	11262	5026	9545	5004	11219	9544
rejected events	83391	44813	81990	41400	71342	81907		10%	6%	9%	6%	11%	9%
rejected %	80%	54%	80%	54%	74%	81%	grade 1 events	90	108	40	55	65	58
								0%	0%	0%	0%	0%	0%
							grade 2 events	3554	13549	4166	8732	5229	3735
								3%	16%	4%	11%	5%	3%
							grade 3 events	1295	1185	1209	2782	1776	1326
								1%	1%	1%	3%	1%	1%
							grade 4 events	1323	1199	1268	2805	1740	1233
								1%	1%	1%	3%	1%	1%
							grade 5 events	1868	3439	1958	4456	2537	2048
								1%	4%	1%	5%	2%	2%
							grade 6 events	2482	16943	3434	15689	4896	3085
								2%	20%	3%	20%	5%	3%
							grade 7 events	81433	41266	79992	36889	68740	79801
								78%	49%	78%	48%	71%	79%

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	140.7500167594326	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	9.465284910469695	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	262.5677370624208	[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)	479108527.887778	479108526.86278			
Observation start date	2013-03-08T05:42:08	2013-03-08T05:42:06			
[s] Observation end time (MET)	479114788.588117	479114787.56312			
Observation end date	2013-03-08T07:26:29	2013-03-08T07:26:27			
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)	2013.03.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.5558265047669

A.2 Comments