

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 53861 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Mar 16 2013

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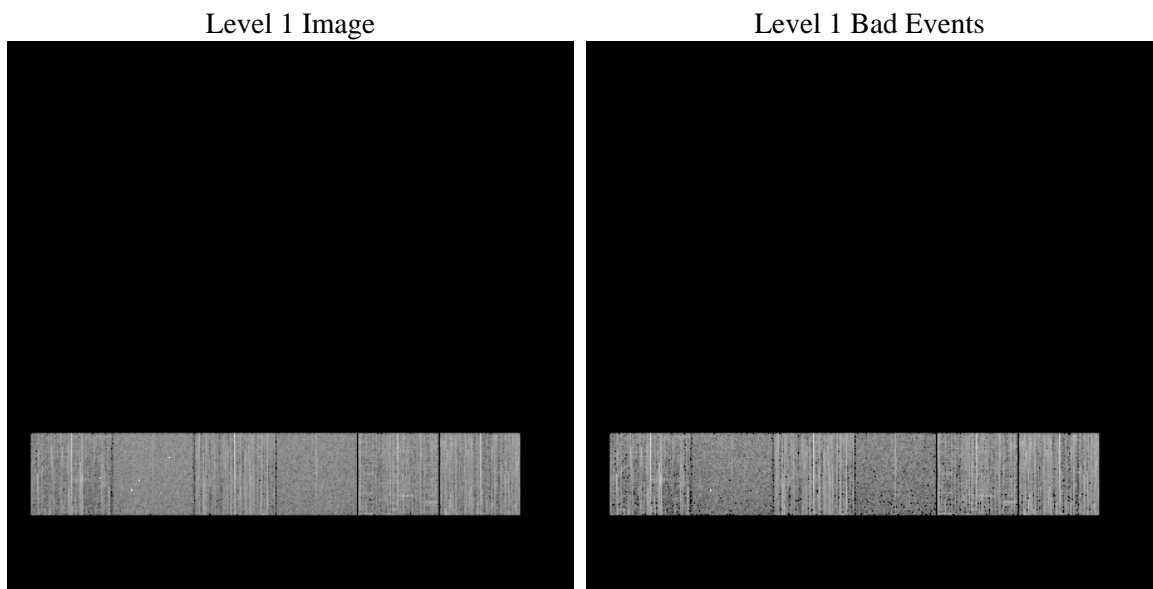
1 Front

seq_num	 	Sequence number
obs_id	53861	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	201.74958867779	Nominal RA [deg]
dec_nom	-13.371676409554	Nominal Dec [deg]
roll_nom	60.644152974954	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3193.5999881625	Sum of GTIs [s]
livetime	3153.1607021574	Livetime [s]
ontime4	3193.5999881625	Sum of GTIs [s]
ontime5	3193.5999881625	Sum of GTIs [s]
ontime6	3193.5999881625	Sum of GTIs [s]
ontime7	3193.5999881625	Sum of GTIs [s]
ontime8	3193.5999881625	Sum of GTIs [s]
ontime9	3193.5999881625	Sum of GTIs [s]
l2events	97871	Number of level 2 events

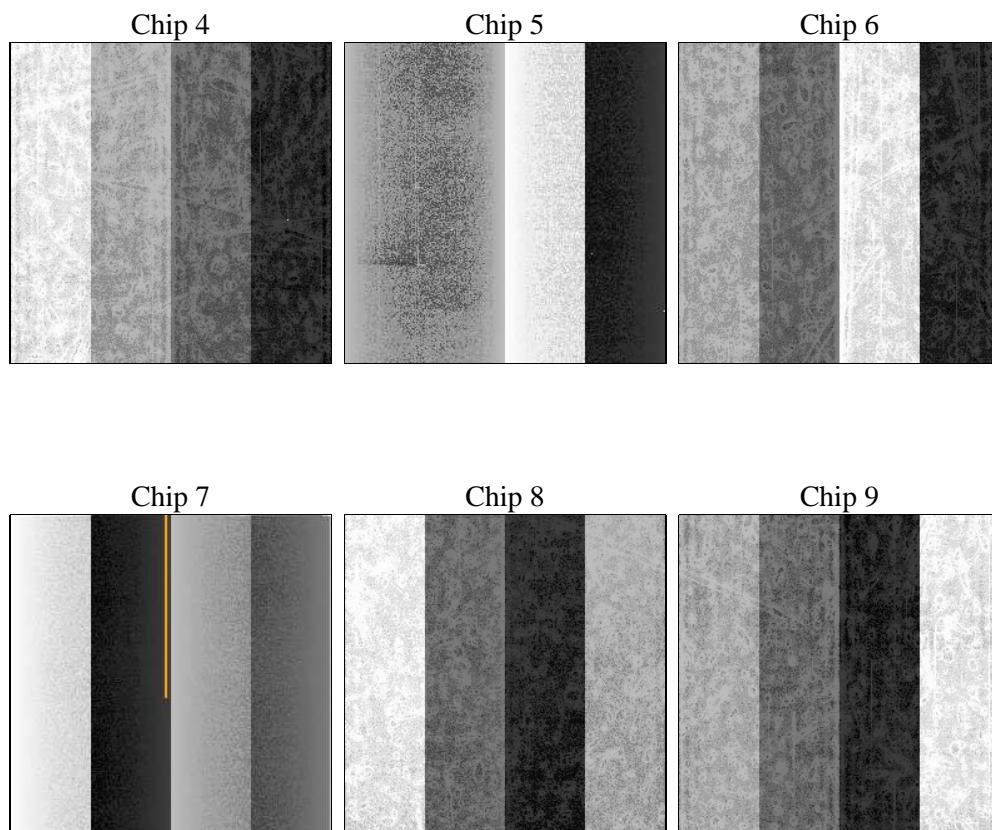
2 OBI

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	3193.5999881625	Sum of GTIs [s]
caldbver	4.5.6	 	ontime4	3193.5999881625	Sum of GTIs [s]
date	2013-03-16T16:38:38	Date and time of file creation	ontime5	3193.5999881625	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	3193.5999881625	Sum of GTIs [s]
			ontime7	3193.5999881625	Sum of GTIs [s]
			ontime8	3193.5999881625	Sum of GTIs [s]
			ontime9	3193.5999881625	Sum of GTIs [s]
			l1events	386431	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	61716	59322	72643	52644	67856	72250	grade 0 events	7863	4542	7123	3648	8088	7029
rejected events	48015	31925	58654	28593	50591	58698		12%	7%	9%	6%	11%	9%
rejected %	77%	53%	80%	54%	74%	81%	grade 1 events	40	56	33	28	42	33
								0%	0%	0%	0%	0%	0%
							grade 2 events	2497	9872	2843	6059	3559	2664
								4%	16%	3%	11%	5%	3%
							grade 3 events	972	1060	962	2093	1312	1019
								1%	1%	1%	3%	1%	1%
							grade 4 events	971	973	989	1997	1289	909
								1%	1%	1%	3%	1%	1%
							grade 5 events	1293	2768	1339	3248	1774	1528
								2%	4%	1%	6%	2%	2%
							grade 6 events	1791	11715	2476	10948	3492	2318
								2%	19%	3%	20%	5%	3%
							grade 7 events	46289	28336	56878	24623	48300	56750
								75%	47%	78%	46%	71%	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	OVERRIDE	OVERRIDE
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	201.7495886777899	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-13.3716764095537	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	60.64415297495396	[s] Primary exposure time	3.2	3.2
SIM focus pos (mm)	-1.4281808131	-1.4281808131			
[mm] SIM defocus	0.1051557500557434	0.1051557500557434			
SIM translation stage pos (mm)	250.4660330802	250.4660330802			
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584			
[s] Observation start time (MET)	479794242.674836	479794242.674836			
Observation start date	2013-03-16T04:10:43	2013-03-16T04:10:42			
[s] Observation end time (MET)	479798790.329272	479798790.329272			
Observation end date	2013-03-16T05:26:30	2013-03-16T05:26:30			
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)	2013.03.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.1935999881625

A.2 Comments