

V&V Reference Report

L2 ASCDS Version : 8.1.2

Observation 62211 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 5 2009

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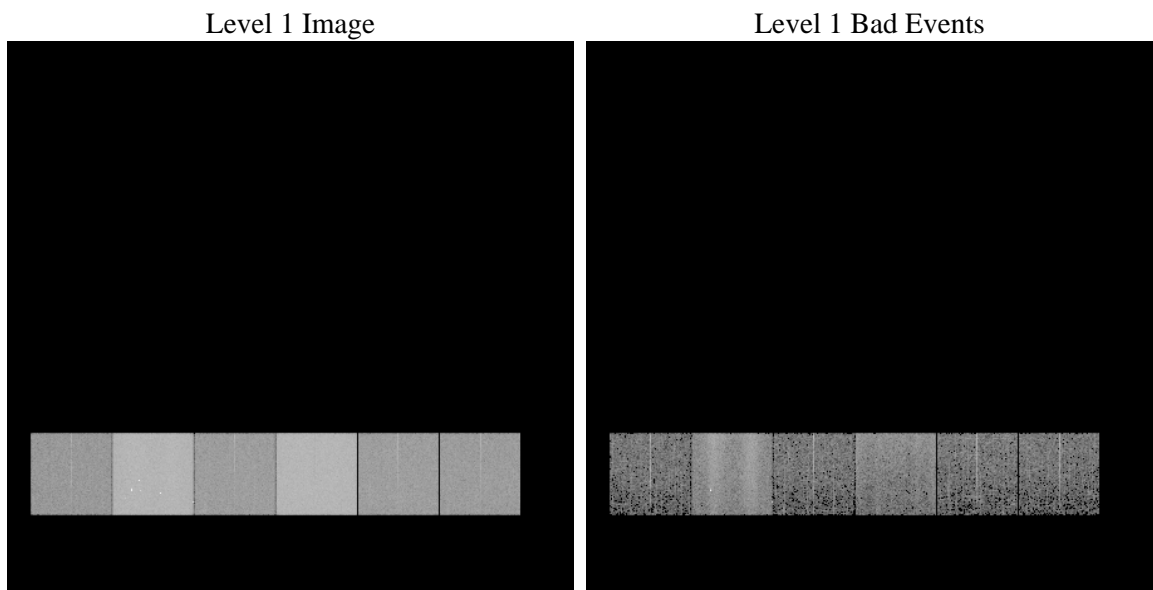
1 Front

seq_num	 	Sequence number
obs_id	62211	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
dec_targ	0.0	Observer's specified target Dec
ra_nom	131.3751599806	Nominal RA
dec_nom	34.345109906937	Nominal Dec
roll_nom	151.36463870908	Nominal Roll
revision	3	Processing version of data
ontime	2916.8772951365	Sum of GTIs [s]
livetime	2879.9420384928	Livetime [s]
ontime4	1098.711305432	Sum of GTIs [s]
ontime5	3114.6191926077	Sum of GTIs [s]
ontime6	1238.4609039202	Sum of GTIs [s]
ontime7	2916.8772951365	Sum of GTIs [s]
ontime8	1244.5580060035	Sum of GTIs [s]
ontime9	1215.2978421003	Sum of GTIs [s]
l2events	898229	Number of level 2 events

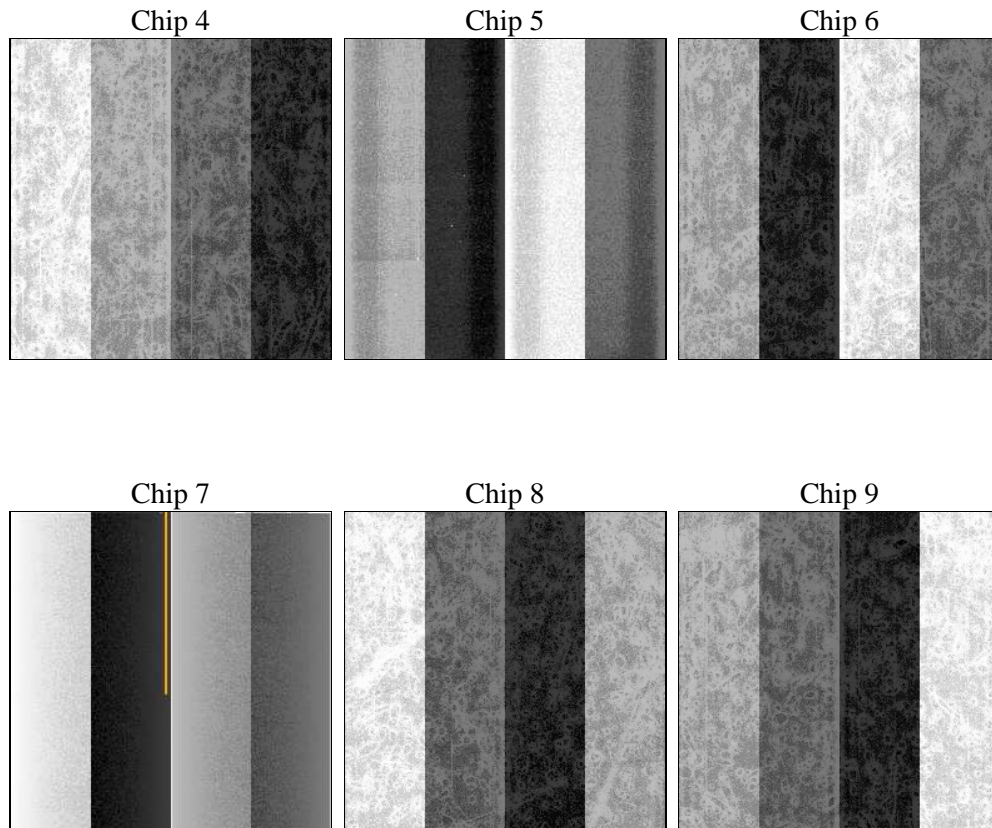
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number		
ascdsver	8.1.2	ASCDS version number	sched_exp_time	0.0
caldbver	4.1.4	 		Scheduled observation exposure time
date	2009-12-05T16:03:33	Date and time of file creation	ontime	2916.8772951365
revision	3	Processing version of data	ontime4	1098.711305432
			ontime5	3114.6191926077
			ontime6	1238.4609039202
			ontime7	2916.8772951365
			ontime8	1244.5580060035
			ontime9	1215.2978421003
			l1events	1060896
				Sum of GTIs [s]
				Sum of GTIs [s]
				Sum of GTIs [s]
				Sum of GTIs [s]
				Sum of GTIs [s]
				Sum of GTIs [s]
				Sum of GTIs [s]
				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	105518	287772	125688	292895	129367	119656	grade 0 events	19543	25622	28985	46924	38182	30692
rejected events	17993	48448	18392	29412	18971	17244		18%	8%	23%	16%	29%	25%
rejected %	17%	16%	14%	10%	14%	14%	grade 1 events	86	148	117	119	159	108
								0%	0%	0%	0%	0%	0%
							grade 2 events	47730	92517	51302	73557	44174	45776
								45%	32%	40%	25%	34%	38%
							grade 3 events	1996	12403	2966	22722	4096	3262
								1%	4%	2%	7%	3%	2%
							grade 4 events	1992	10453	2990	20309	4071	3211
								1%	3%	2%	6%	3%	2%
							grade 5 events	898	5021	1019	4206	1133	1028
								0%	1%	0%	1%	0%	0%
							grade 6 events	16264	98329	21344	99971	19873	19471
								15%	34%	16%	34%	15%	16%
							grade 7 events	17009	43279	16965	25087	17679	16108
								16%	15%	13%	8%	13%	13%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
Pointing RA	0	131.3751599805998	Alternating exposures requested	N	N
Pointing Dec	0	34.34510990693747	Primary exposure time	3.2	3.2
Pointing Roll	0.0	151.364638709078			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.8505141146731063			
SIM translation stage pos (mm)	-190.132523	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	64915479.695842	64915478.927317			
Observation start date	2000-01-22T08:04:40	2000-01-22T08:04:38			
Observation end time	64922779.746107	64922778.977582			
Observation end date	2000-01-22T10:06:20	2000-01-22T10:06:18			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2010.08.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.9168772951365

A.2 Comments

The focal plane temperature is approximately -110C during this observation.

The ACIS CTI correction has not been calibrated at this temperature because it was early in the mission, and ACIS had not yet been lowered to the standard -119.7 C. Both front- and back-illuminated chips are affected. However, a T_GAIN correction has been applied to the BI chips

(ACIS-5 and ACIS-7) data included here.