

V&V Reference Report

L2 ASCDS Version : 7.6.11.10

Observation 60653 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Feb 4 2009

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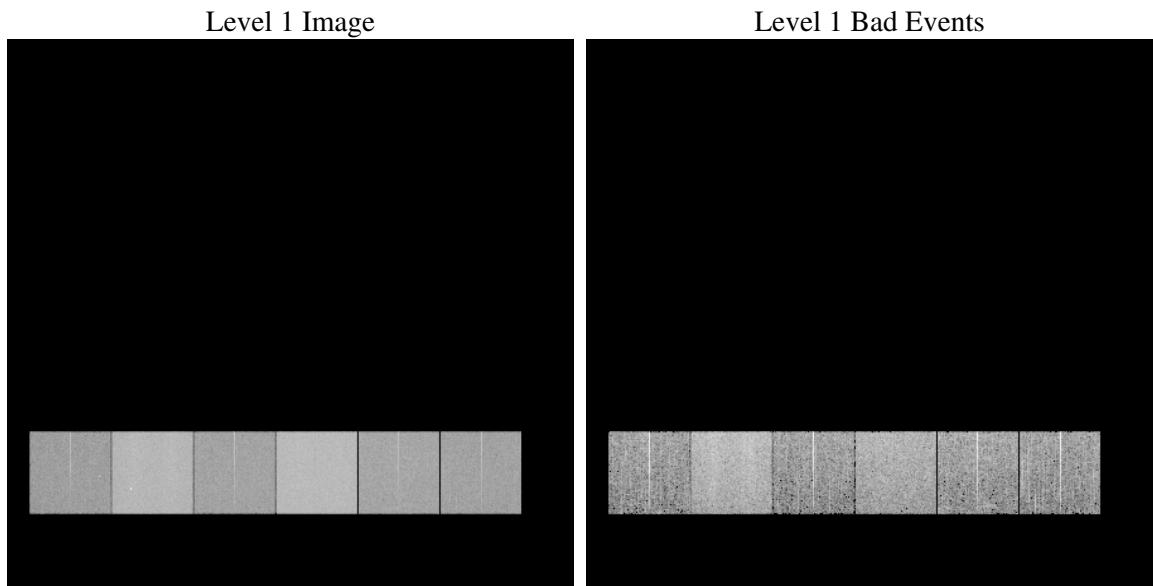
1 Front

seq_num	
obs_id	60653
title	ACIS-456789 diagnostics
observer	CHANDRA engineering request/realtime commanding
object	
dtcycle	0
cycle	P
ra_targ	0.0
dec_targ	0.0
ra_nom	30.541781252895
dec_nom	-38.815791995602
roll_nom	111.54849080117
revision	3
ontime	8377.599968791
livetime	8271.5177536011
ontime4	4192.0802574754
ontime5	8377.599968791
ontime6	4558.273000896
ontime7	8377.599968791
ontime8	4814.3925280869
ontime9	4532.2213221788
l2events	1231743

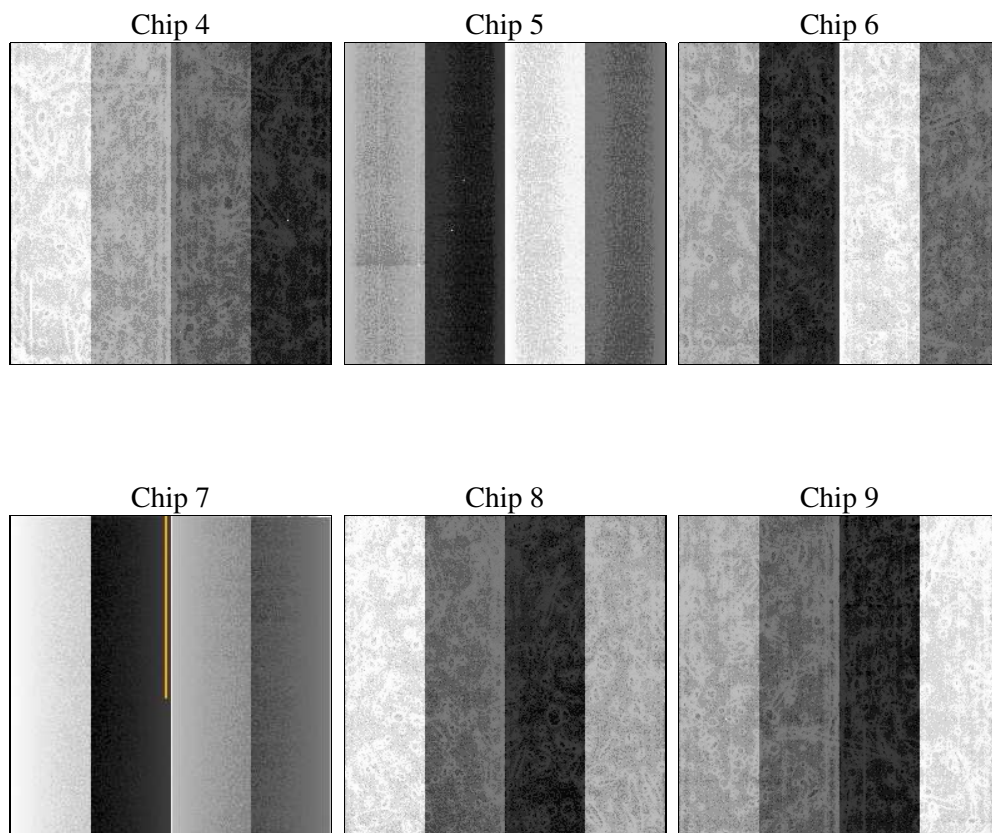
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.11.10
caldbver	3.5.1
date	2009-02-04T17:00:48
revision	3

sched_exp_time	900
ontime	8377.599968791
ontime4	4192.0802574754
ontime5	8377.599968791
ontime6	4558.273000896
ontime7	8377.599968791
ontime8	4814.3925280869
ontime9	4532.2213221788
l1events	1537276

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	182301	344395	207754	375957	224102	202767
rejected events	33686	60596	33670	47008	36211	34265
rejected %	18%	17%	16%	12%	16%	16%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	89721	53737	90688	81295	104435	95195
	49%	15%	43%	21%	46%	46%
grade 1 events	620	234	368	198	467	475
	0%	0%	0%	0%	0%	0%
grade 2 events	21339	114651	36201	72673	33256	28444
	11%	33%	17%	19%	14%	14%
grade 3 events	10004	14536	9840	33689	11978	10576
	5%	4%	4%	8%	5%	5%
grade 4 events	9870	14013	9939	32885	11879	10567
	5%	4%	4%	8%	5%	5%
grade 5 events	1812	8992	2134	8275	2498	2205
	0%	2%	1%	2%	1%	1%
grade 6 events	19136	89851	29334	111832	28165	25564
	10%	26%	14%	29%	12%	12%
grade 7 events	29799	48381	29250	35110	31424	29741
	16%	14%	14%	9%	14%	14%

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	OVERRIDE	OVERRIDE
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
Pointing RA	30.54178125289488	30.54178125289488	Subarray requested	NONE	NONE
Pointing Dec	-38.81579199560183	-38.81579199560183	Alternating exposures requested	N	N
Pointing Roll	111.5484908011735	111.5484908011735	Primary exposure time	3.2	3.2
SIM focus pos (mm)	-0.68282252473119	-0.68282252473119			
SIM defocus (mm)	0.8505140384245534	0.8505140384245534			
SIM translation stage pos (mm)	250.4660330802	250.4660330802			
SIM translation stage offset (mm)	-0.01005726120527584	-0.01005726120527584			
Observation start time	174586775.901958	174586775.901958			
Observation start date	2003-07-14T16:24:00	2003-07-14T16:19:35			
Observation end time	174595284.202481	174595284.202481			
Observation end date	2003-07-14T16:39:00	2003-07-14T18:41:24			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Craig Anderson
V&V Date (YYYY-MM-DD)	2009.02.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.377599968791

A.2 Comments

Focal plane temperature is warmer than -118 degrees throughout observation. The ACIS calibrations are not verified or necessarily applicable for focal plane temperatures warmer than -118 degrees.

This obsid was reprocessed to correct minor errors in parameters used in processing. Some of these parameters cannot be determined automatically for this observation and were derived from spacecraft telemetry.