

V&V Reference Report

L2 ASCDS Version : 7.6.11.10

Observation 61294 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Feb 5 2009

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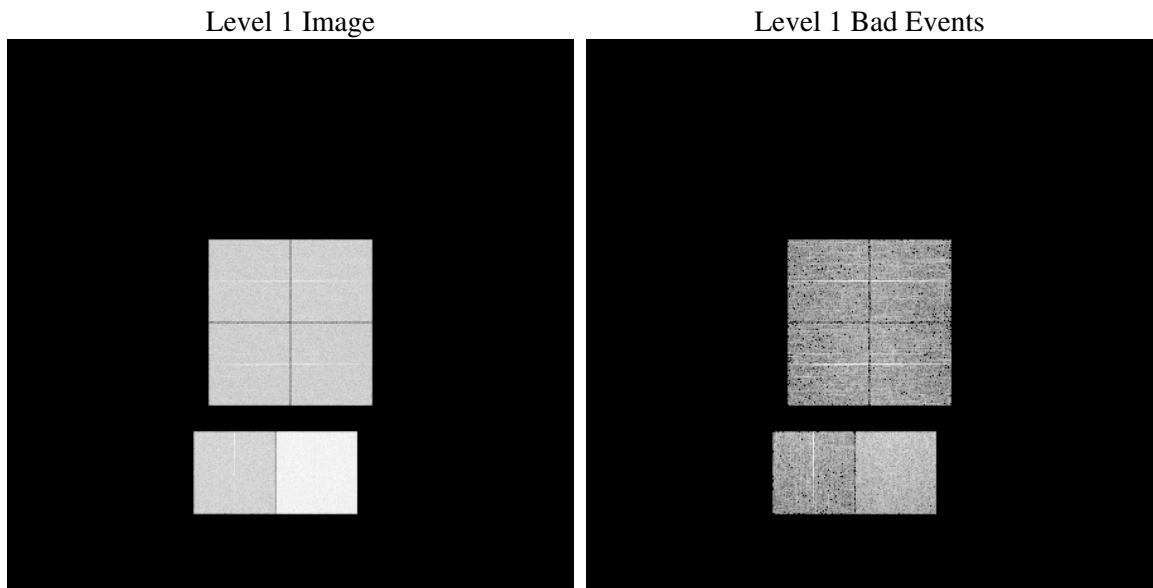
1 Front

seq_num	
obs_id	61294
title	ACIS-012367 diagnostics
observer	CHANDRA engineering request/realtime commanding
object	
dtcycle	0
cycle	P
ra_targ	0.0
dec_targ	0.0
ra_nom	30.814177078016
dec_nom	-38.383287722709
roll_nom	250.87911932757
revision	3
ontime	7740.8000072092
livetime	7642.7813365677
ontime0	3109.4471029341
ontime1	3189.5294832289
ontime2	3005.7340925783
ontime3	3017.6322801411
ontime6	3316.0115449727
ontime7	7740.8000072092
l2events	1216951

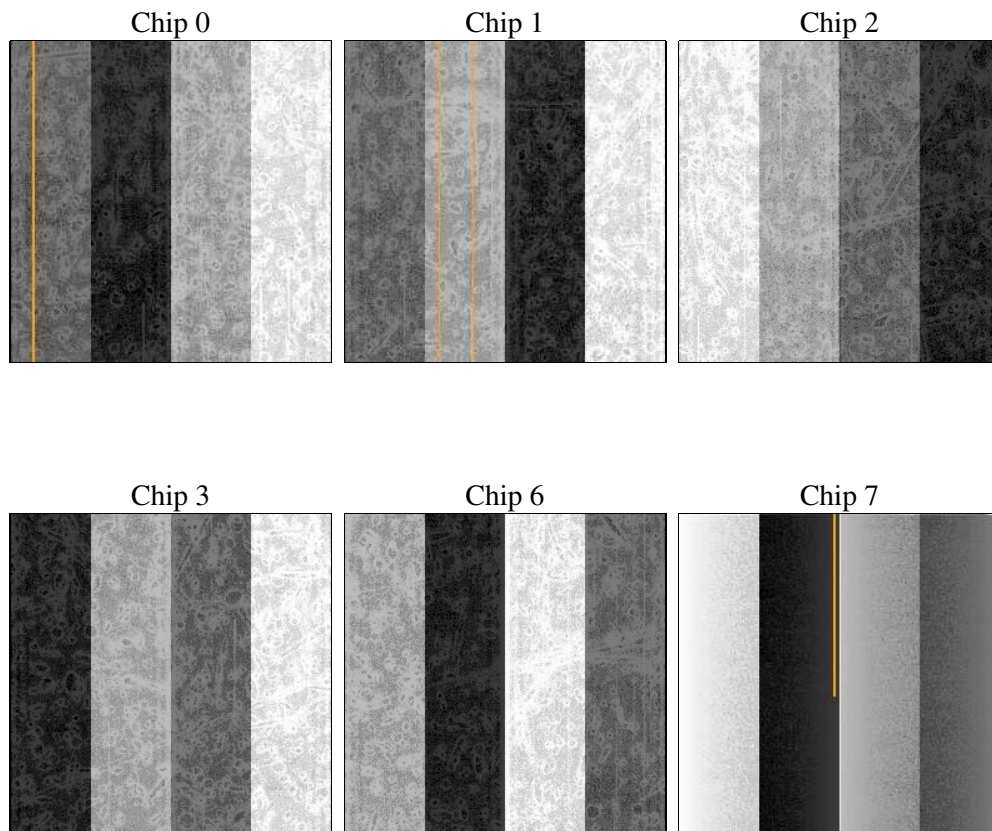
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.11.10
caldsver	3.5.1
date	2009-02-05T08:14:23
revision	3

sched_exp_time	0.0
ontime	7740.8000072092
ontime0	3109.4471029341
ontime1	3189.5294832289
ontime2	3005.7340925783
ontime3	3017.6322801411
ontime6	3316.0115449727
ontime7	7740.8000072092
l1events	1442329

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	189063	194021	185460	187212	210962	475611
rejected events	24552	25279	25278	25944	27042	46201
rejected %	12%	13%	13%	13%	12%	9%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	91305	93606	89614	90794	101086	109916
	48%	48%	48%	48%	47%	23%
grade 1 events	498	458	433	437	508	291
	0%	0%	0%	0%	0%	0%
grade 2 events	29323	30077	28593	28654	32085	95574
	15%	15%	15%	15%	15%	20%
grade 3 events	10494	10685	10115	10292	11369	44151
	5%	5%	5%	5%	5%	9%
grade 4 events	10325	10706	10018	10218	11263	43558
	5%	5%	5%	5%	5%	9%
grade 5 events	1670	1637	1509	1642	1847	8736
	0%	0%	0%	0%	0%	1%
grade 6 events	24436	24858	23295	22604	29622	139303
	12%	12%	12%	12%	14%	29%
grade 7 events	21012	21994	21883	22571	23182	34082
	11%	11%	11%	12%	10%	7%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-012367	ACIS-012367	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	30.81417707801633	30.81417707801633	Subarray requested	NONE	NONE
Pointing Dec	-38.38328772270862	-38.38328772270862	Alternating exposures requested	N	N
Pointing Roll	250.8791193275744	250.8791193275744	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	131127015.74	131127015.74			
Observation start date	2002-02-26T17:07:00	2002-02-26T16:10:15			
Observation end time	131136352.949736	131136352.949736			
Observation end date	2002-02-26T17:08:00	2002-02-26T18:45:52			
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)	2009.02.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7408

A.2 Comments

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.

Focal plane temperature is warmer than -118.7 C degrees during the latter ~5 ksec of this observation. The ACIS spectral response calibration for the front-illuminated chips is less accurate at these warmer temperatures than it is at -119.7 C. The back-illuminated chips are not affected at the focal plane temperatures recorded for this observation.