

V&V Reference Report

L2 ASCDS Version : 8.3.2

Observation 62725 - L2 Version 5

Chandra X-Ray Center

L2 Processing Date : Aug 27 2010

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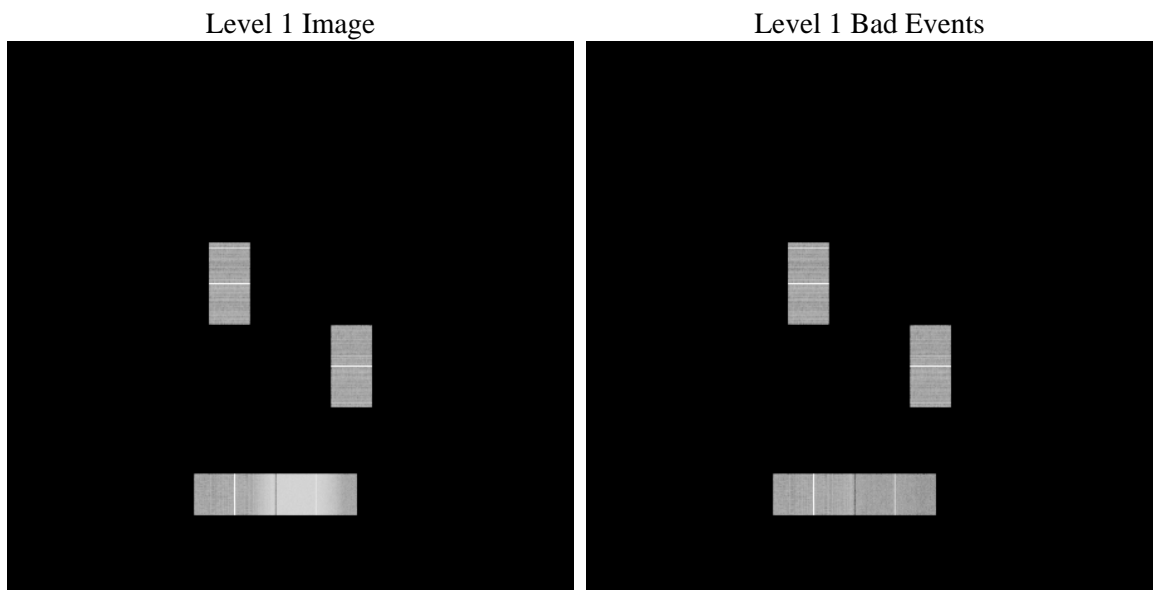
1 Front

seq_num	0	Sequence number
obs_id	62725	Observation id
title	ACIS CC mode test	Proposal title
observer	CHANDRA orbital activation and checkout	Principal investigator
object	 	Source name
ra_targ	0.0	Observer's specified target RA
dec_targ	0.0	Observer's specified target Dec
ra_nom	220.05342264035	Nominal RA
dec_nom	-8.4022686727464	Nominal Dec
roll_nom	252.73836976075	Nominal Roll
revision	5	Processing version of data
ontime	8241.25	Sum of GTIs [s]
livetime	8209.0576171875	Livetime [s]
ontime0	7254.8565607518	Sum of GTIs [s]
ontime1	7292.7944539562	Sum of GTIs [s]
ontime2	6761.6585495248	Sum of GTIs [s]
ontime3	6833.1582219079	Sum of GTIs [s]
ontime6	7607.9738451317	Sum of GTIs [s]
ontime7	8241.25	Sum of GTIs [s]
l2events	588976	Number of level 2 events

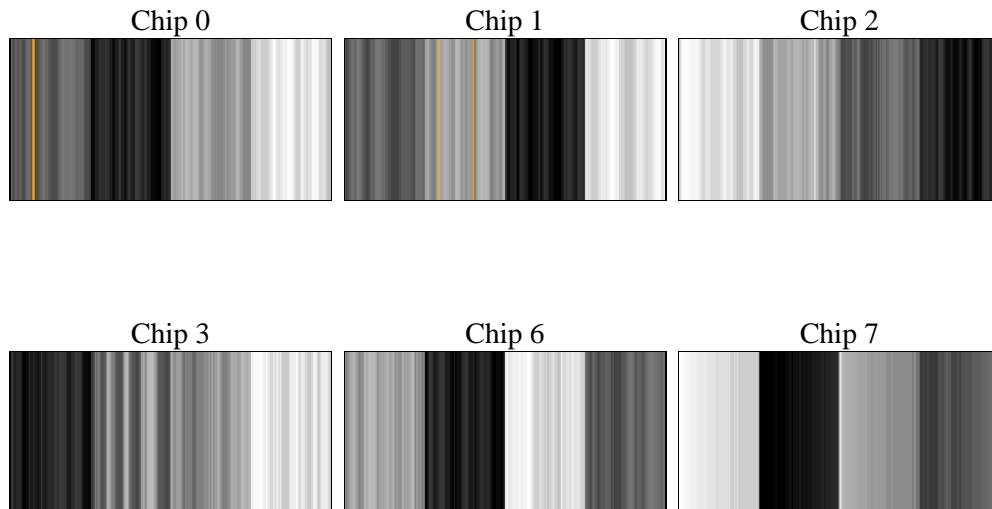
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



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	NONE	UPDATED
Data mode	CC33_FAINT	CC33_FAINT	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
Pointing RA	0	220.0534226403454	Alternating exposures requested	N	N
Pointing Dec	0	-8.402268672746418	Primary exposure time	0.000000	0
Pointing Roll	0.0	252.7383697607514			
SIM focus pos (mm)	-0.782348	0.255451383487682			
SIM defocus (mm)	0	0.9397188447875782			
SIM translation stage pos (mm)	-233.592463	-190.1325231039672			
SIM translation stage offset (mm)	0	5.209593894051068e-07			
Observation start time	50246137.132	50246136.109741			
Observation start date	1999-08-05T13:15:37	1999-08-05T13:15:36			
Observation end time	50257498.273	50257497.210144			
Observation end date	1999-08-05T16:24:58	1999-08-05T16:24:57			
Read mode	CONTINUOUS	CONTINUOUS			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.08.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.24125

A.2 Comments

ACIS internal calibration source prior to opening the ACIS door. This is ACIS 3x3 continuous clocking data collection test. During this obsid

the Solar Array drive range test was performed with various pitch maneuvers. On day 217, 1610, track of the fid light in slot 4 was lost due to these pitch maneuvers.

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Focal plane temperature is warmer than -118.7 C degrees intermittently during the entire 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-illuminatd chips are not affected at the focal plane temperatures recorded for this observation. Users whose science objectives depend on the most accurate spectral response (i.e.: fitting line-rich spectra) may

notice an effect. Users whose science objectives do not depend on the most accurate spectral response should not notice an effect.