

# V&V Reference Report

## L2 ASCDS Version : 8.3.3.1

Observation 62448 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Nov 26 2010

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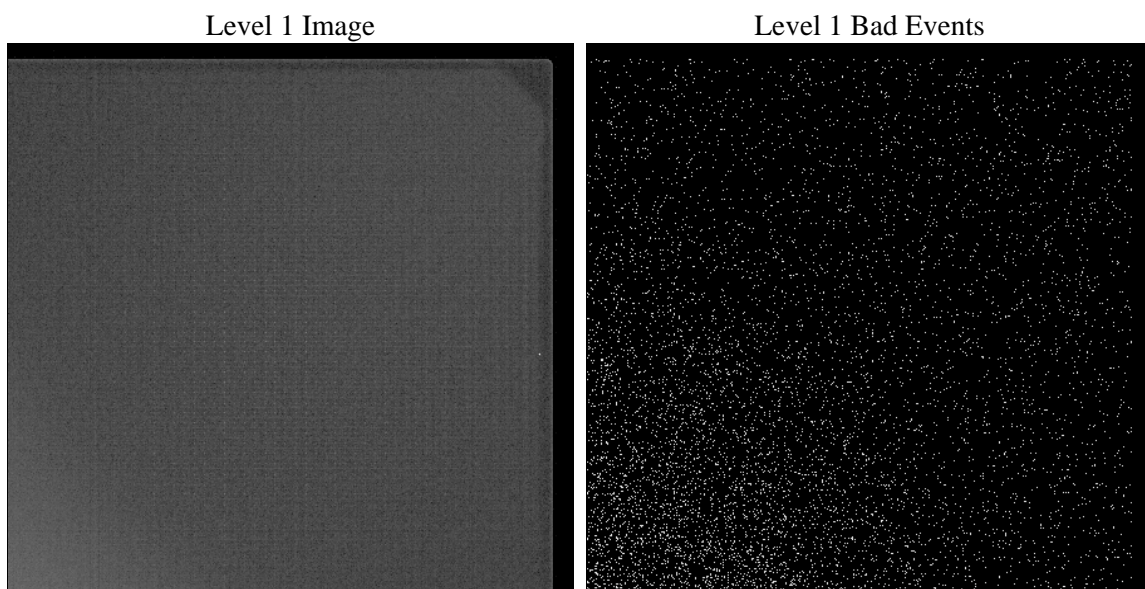
# 1 Front

seq_num	0	Sequence number
obs_id	62448	Observation id
title	HRC-I turnon and internal cal, CAP 309	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	&#160	Source name
ra_targ	0.0	Observer's specified target RA
dec_targ	0.0	Observer's specified target Dec
ra_nom	39.642913909165	Nominal RA
dec_nom	19.251341789515	Nominal Dec
roll_nom	127.00172735773	Nominal Roll
revision	3	Processing version of data
ontime	42961.801543958	[s]
livetime	42506.073689751	Ontime multiplied by DTCOR
l2events	2259028	Number of level 2 events

## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	3000	Scheduled observation exposure time
ascdsver	8.3.3.1	Processing system revision	ontime	42961.801546969	[s]
caldsver	4.4.0	&#160	l1events	3478135	Number of level 1 events
date	2010-11-26T16:36:03	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

	<b>segment 0</b>
level 1 events	3478135
rejected events	8470
rejected %	0%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	6	6
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
Pointing RA	0	39.64291390916514	Alternating exposures requested	N	N
Pointing Dec	0	19.25134178951534	Primary exposure time	0.000000	0.000000
Pointing Roll	0.0	127.0017273577344			
SIM focus pos (mm)	-1.040293	-0.865731118321573			
SIM defocus (mm)	0	-0.1814636570216768			
SIM translation stage pos (mm)	126.985494	-190.1199515274594			
SIM translation stage offset (mm)	0	-0.012571055548392			
Observation start time	51440277.972	51440276.985589			
Observation start date	1999-08-19T08:57:58	1999-08-19T08:57:56			
Observation end time	51490760.688	51490760.287407			
Observation end date	1999-08-19T22:59:21	1999-08-19T22:59:20			
Read mode	TIMED	TIMED			

## **2.3 Star Slots**

## **2.4 FID Slots**

# A Summary

## A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.11.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	42.961801543958

## A.2 Comments

Recovery from safe mode was occuring during this observation.

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There are no Level 2 data. This observation is an HRC-I internal cal source

observation. HRC antico shield on. Rates are very high (45000 vs 4100 normal)

at the 60,000 km turn-on point. Thereafter, the rates fall. Notice the

elevated illumination in the corner near the optical axis in Level 1 event data.

The cause of this illumination is not fully understood. Background rates vary during the observation.

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HRC-I was left on for the entire time interal, although the HRC door was closed.

Some anomalies in SIM motion.

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Full report in Obsid Report for this obsid.