

V&V Reference Report

L2 ASCDS Version : 8.1.2

Observation 62937 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Mar 31 2010

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Parameters	4
2.1.3	Events	4
2.2	Compared Parameters	5
2.3	Star Slots	6
2.4	FID Slots	6
A	Summary	7
A.1	Status	7
A.2	Comments	7

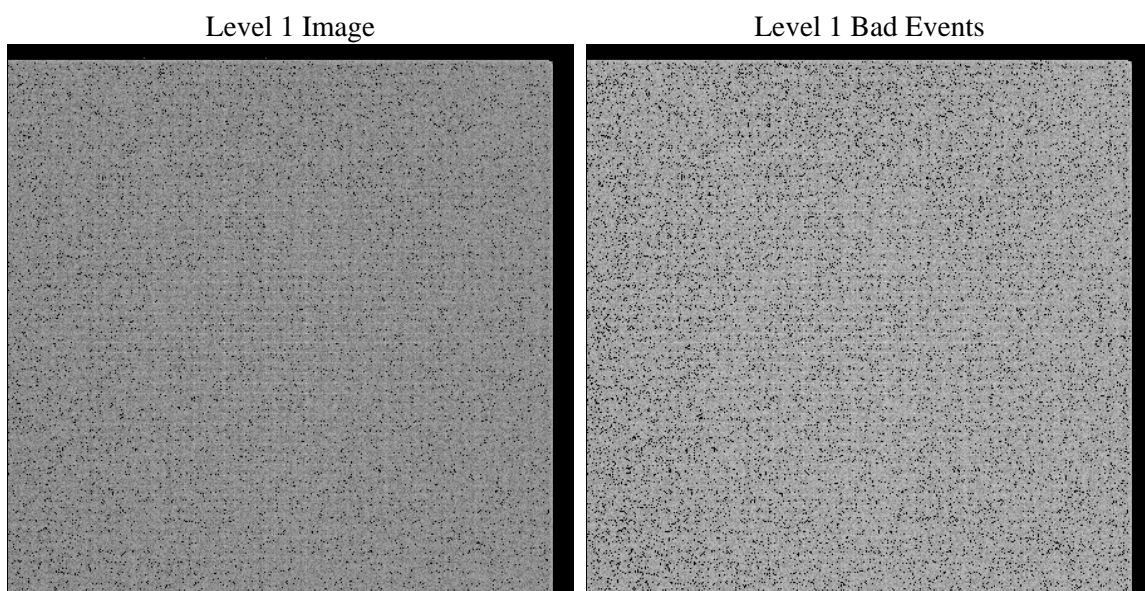
1 Front

seq_num	0	Sequence number
obs_id	62937	Observation id
title	HRC-I high voltage ramp-up	Proposal title
observer	CHANDRA orbital activation and checkout	Principal investigator
object	 	Source name
ra_targ	0.0	Target RA
dec_targ	0.0	Target Dec
ra_nom	104.35679509445	Nominal RA
dec_nom	-59.044574648212	Nominal Dec
roll_nom	152.62200188717	Nominal Roll
revision	3	Processing version of data
ontime	1247.4000439495	[s]
livetime	1198.3181108706	Ontime multiplied by DTCOR
l2events	33491	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	8.2.1	Processing system revision	ontime	1247.4000439495	[s]
caldbver	4.1.5	 	l1events	767640	Number of level 1 events
date	2010-03-31T21:24:33	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

Level 1 Events

	segment 0
level 1 events	767640
rejected events	592629
rejected %	77%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	SECONDARY	SECONDARY
Pointing RA	0	104.3567950944473
Pointing Dec	0	-59.04457464821237
Pointing Roll	0.0	152.622001887171
SIM focus pos (mm)	-1.040293	0.255451383487682
SIM defocus (mm)	0	0.9397188447875782
SIM translation stage pos (mm)	126.985494	-190.1325231039672
SIM translation stage offset (mm)	0	5.209593894051068e-07
Observation start time	50990902.193	50990897.036048
Observation start date	1999-08-14T04:08:22	1999-08-14T04:08:17
Observation stop time	50996941.617	50996936.336261
Observation end date	1999-08-14T05:49:02	1999-08-14T05:48:56

Parameter	Planned	Actual
Obspar format version number	6	6
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.05.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.2474000439495

A.2 Comments

HRC-I high voltage ramp-up. There is no target and the spacecraft was maneuvering. There are no scientific data in this observation.

===

05:38 HRC-I high voltage on full. Count ~250per sec. Turn on Anti-co & rate drops to about 50 per sec. Turn on UL discriminator, rates drop to about 35.

05:44 Finish maneuver, go into normal point mode. Correctly acquire 5 stars, 3 fids!!

===Level 2 event file is extremely large.