

V&V Reference Report

L2 ASCDS Version : 10.1.1

Observation 53171 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Dec 11 2013

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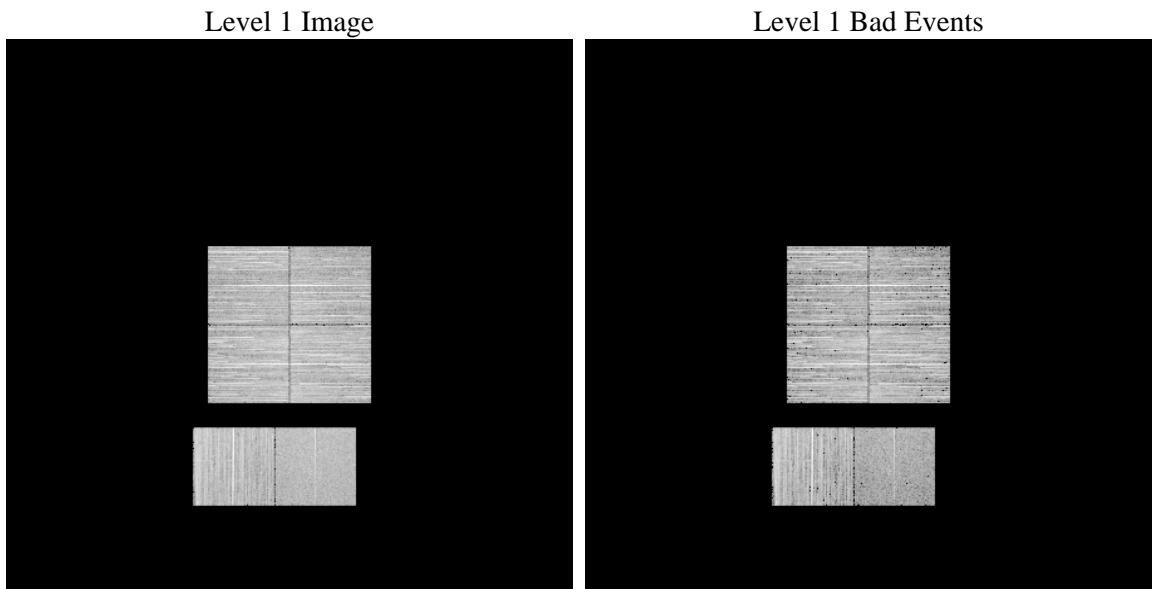
1 Front

seq_num	 	Sequence number
obs_id	53171	Observation id
title	ACIS-012367 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	0.0	Observer's specified target RA [deg]
dec_targ	0.0	Observer's specified target Dec [deg]
ra_nom	50.353571880683	Nominal RA [deg]
dec_nom	31.153340701915	Nominal Dec [deg]
roll_nom	258.23472138066	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5371.8728562593	Sum of GTIs [s]
livetime	5303.8509675999	Livetime [s]
ontime0	5371.831816256	Sum of GTIs [s]
ontime1	5371.7907762527	Sum of GTIs [s]
ontime2	5371.7497362494	Sum of GTIs [s]
ontime3	5371.9138962626	Sum of GTIs [s]
ontime6	5371.7086962461	Sum of GTIs [s]
ontime7	5371.8728562593	Sum of GTIs [s]
l2events	121390	Number of level 2 events

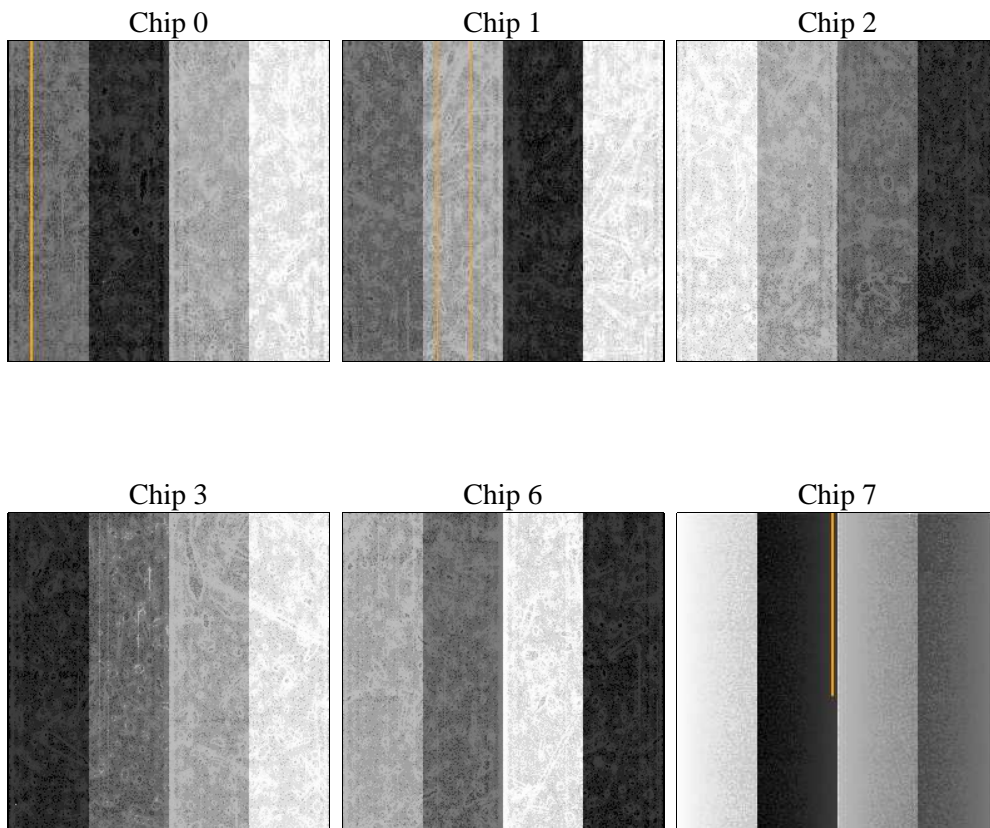
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	10.1.1	Processing system revision	ontime	5371.8728562593	Sum of GTIs [s]
caldbver	4.5.9	 	ontime0	5371.831816256	Sum of GTIs [s]
date	2013-12-11T16:24:10	Date and time of file creation	ontime1	5371.7907762527	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	5371.7497362494	Sum of GTIs [s]
			ontime3	5371.9138962626	Sum of GTIs [s]
			ontime6	5371.7086962461	Sum of GTIs [s]
			ontime7	5371.8728562593	Sum of GTIs [s]
			l1events	544523	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	89107	83293	97981	98076	97891	78175	grade 0 events	9743	9478	9900	9946	9962	5237
rejected events	70492	64630	79438	79536	78245	43522		10%	11%	10%	10%	10%	6%
rejected %	79%	77%	81%	81%	79%	55%	grade 1 events	38	48	57	57	47	36
								0%	0%	0%	0%	0%	0%
							grade 2 events	3877	4056	3713	3650	4191	8907
								4%	4%	3%	3%	4%	11%
							grade 3 events	1362	1303	1420	1356	1306	2963
								1%	1%	1%	1%	1%	3%
							grade 4 events	1312	1265	1246	1311	1394	2968
								1%	1%	1%	1%	1%	3%
							grade 5 events	1760	1759	1726	2010	1953	4939
								1%	2%	1%	2%	1%	6%
							grade 6 events	2977	3277	2955	2992	3550	15898
								3%	3%	3%	3%	3%	20%
							grade 7 events	68038	62107	76964	76754	75488	37227
								76%	74%	78%	78%	77%	47%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	50.35357188068312
[deg] Pointing Dec	0	31.15334070191504
[deg] Pointing Roll	0.0	258.2347213806551
SIM focus pos (mm)	-1.4281808131	-1.4281808131
[mm] SIM defocus	0.1051557500557434	0.1051557500557434
SIM translation stage pos (mm)	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	503096077.343798	503096077.343798
Observation start date	2013-12-10T20:54:37	2013-12-10T20:54:37
[s] Observation end time (MET)	503102902.356723	503102902.356723
Observation end date	2013-12-10T22:48:22	2013-12-10T22:48:22
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2013.12.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.3718728562593

A.2 Comments