

V&V Reference Report

L2 ASCDS Version : 10.4.2.1

Observation 51543 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Oct 24 2015

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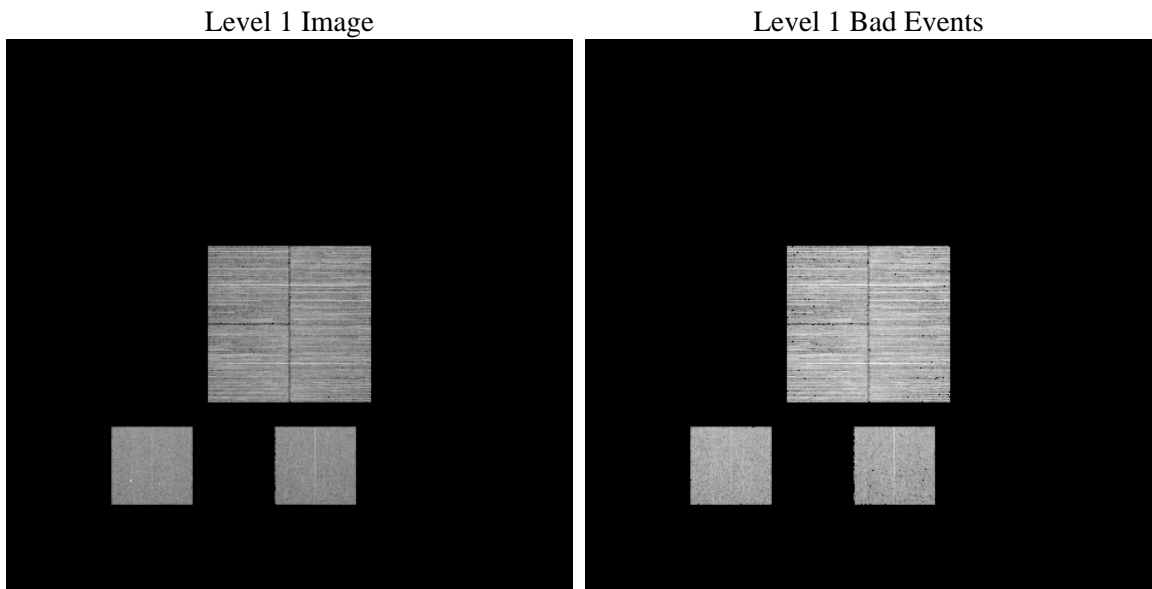
1 Front

seq_num	 	Sequence number
obs_id	51543	Observation id
title	ACIS-012357 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	192.72142110831	Nominal RA [deg]
dec_nom	36.023094155754	Nominal Dec [deg]
roll_nom	20.476756742186	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5272.3305003643	Sum of GTIs [s]
livetime	5205.5690769524	Livetime [s]
ontime0	5171.8188148737	Sum of GTIs [s]
ontime1	5136.1263647079	Sum of GTIs [s]
ontime2	5168.4941300154	Sum of GTIs [s]
ontime3	5165.4172600508	Sum of GTIs [s]
ontime5	5272.1663403511	Sum of GTIs [s]
ontime7	5272.3305003643	Sum of GTIs [s]
l2events	111004	Number of level 2 events

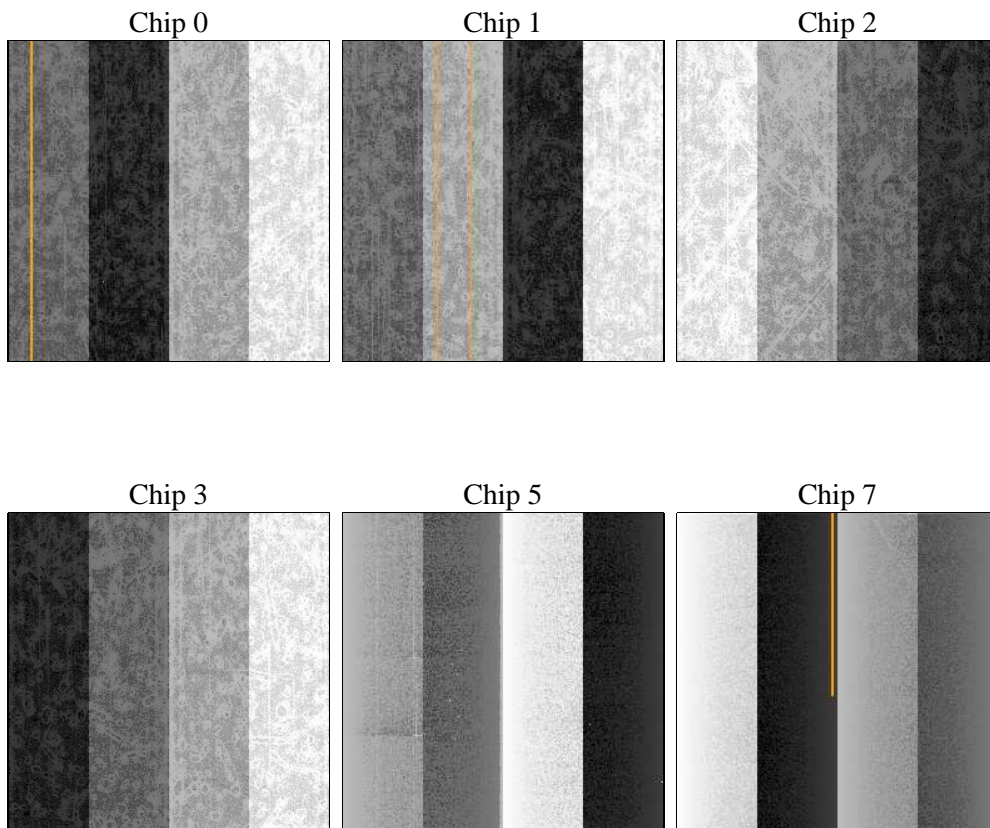
2 OBI

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	10.4.2.1	Processing system revision	ontime	5272.3305003643	Sum of GTIs [s]
caldsver	4.6.10a	 	ontime0	5171.8188148737	Sum of GTIs [s]
date	2015-10-24T23:04:18	Date and time of file creation	ontime1	5136.1263647079	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	5168.4941300154	Sum of GTIs [s]
			ontime3	5165.4172600508	Sum of GTIs [s]
			ontime5	5272.1663403511	Sum of GTIs [s]
			ontime7	5272.3305003643	Sum of GTIs [s]
			l1events	551006	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	88966	102516	101148	98622	82673	77081	grade 0 events	6986	5954	6498	6415	3234	3593
rejected events	75012	89137	88009	85465	47626	46219		7%	5%	6%	6%	3%	4%
rejected %	84%	86%	87%	86%	57%	59%	grade 1 events	35	29	39	39	154	66
								0%	0%	0%	0%	0%	0%
							grade 2 events	2934	3208	2756	2735	12175	7602
								3%	3%	2%	2%	14%	9%
							grade 3 events	923	928	937	903	1299	2245
								1%	0%	0%	0%	1%	2%
							grade 4 events	953	891	922	961	1101	2218
								1%	0%	0%	0%	1%	2%
							grade 5 events	1826	1871	1723	1999	3703	4661
								2%	1%	1%	2%	4%	6%
							grade 6 events	2166	2407	2041	2154	17289	15224
								2%	2%	2%	2%	20%	19%
							grade 7 events	73143	87228	86232	83416	43718	41472
								82%	85%	85%	84%	52%	53%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012357	ACIS-012357
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	192.7214211083146
[deg] Pointing Dec	0	36.02309415575436
[deg] Pointing Roll	0.0	20.47675674218566
[mm] SIM focus pos	-1.429586	-1.429585792112415
[mm] SIM defocus	0.1037507710433287	0.103750847291882
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	562088492.717804	562088491.6928
Observation start date	2015-10-24T15:41:33	2015-10-24T15:41:31
[s] Observation end time (MET)	562095491.4182	562095490.3932
Observation end date	2015-10-24T17:38:11	2015-10-24T17:38:10
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
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	Joy Nichols
V&V Date (YYYY-MM-DD)	2015.10.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.2723305003643

A.2 Comments

Grating movement results in a short interval on non-GTI about 4 ksec into the observation.