

V&V Reference Report

L2 ASCDS Version : 10.3.3

Observation 51895 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : May 13 2015

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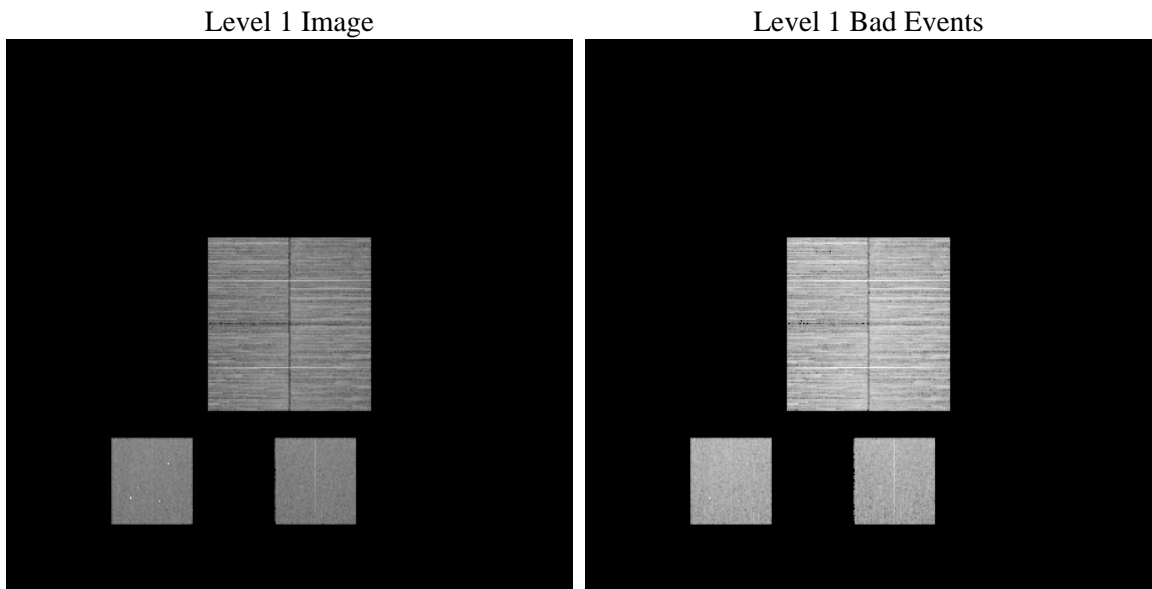
1 Front

seq_num	 	Sequence number
obs_id	51895	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	307.03402528601	Nominal RA [deg]
dec_nom	19.3442537071	Nominal Dec [deg]
roll_nom	103.88837677699	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8065.8694767952	Sum of GTIs [s]
livetime	7963.7345807965	Livetime [s]
ontime0	8065.8284367323	Sum of GTIs [s]
ontime1	8065.7873967886	Sum of GTIs [s]
ontime2	8065.7463567257	Sum of GTIs [s]
ontime3	8065.9105167389	Sum of GTIs [s]
ontime5	8065.705316782	Sum of GTIs [s]
ontime7	8065.8694767952	Sum of GTIs [s]
l2events	170533	Number of level 2 events

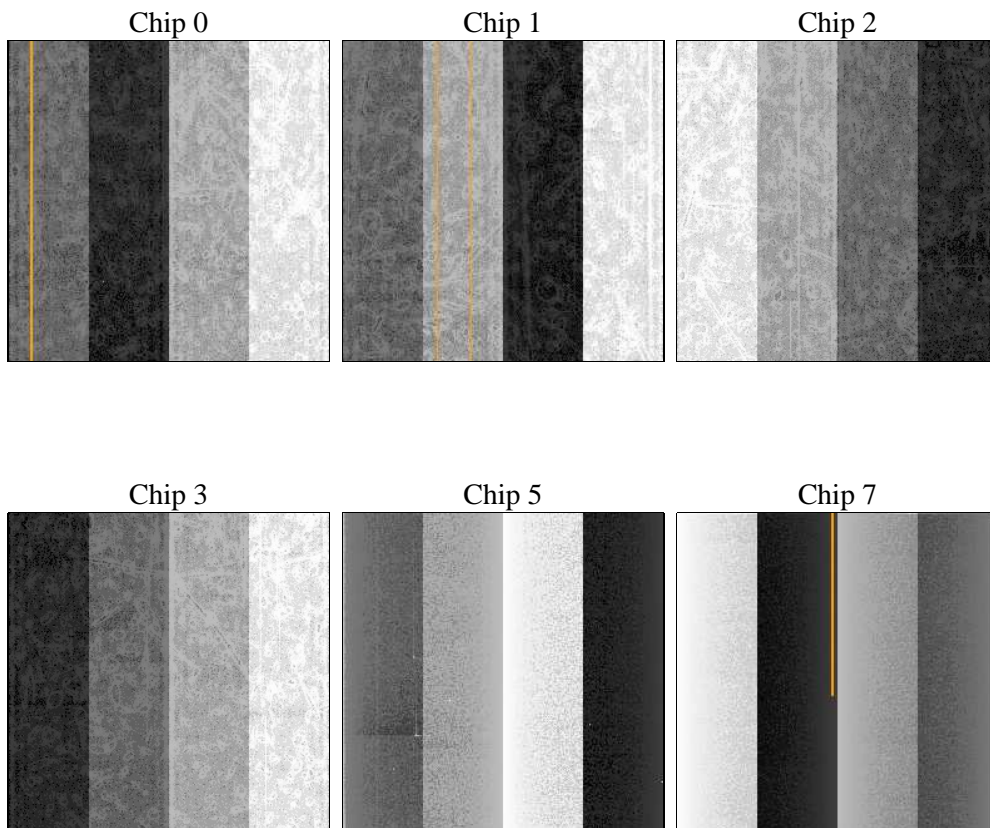
2 OBI

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	10.3.3	Processing system revision	ontime	8065.8694767952	Sum of GTIs [s]
caldsver	4.6.7	 	ontime0	8065.8284367323	Sum of GTIs [s]
date	2015-05-13T17:13:47	Date and time of file creation	ontime1	8065.7873967886	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8065.7463567257	Sum of GTIs [s]
			ontime3	8065.9105167389	Sum of GTIs [s]
			ontime5	8065.705316782	Sum of GTIs [s]
			ontime7	8065.8694767952	Sum of GTIs [s]
			l1events	767576	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	132272	133927	135085	136449	120342	109501	grade 0 events	10749	10321	11158	11009	8456	6113
rejected events	111031	112608	113640	115256	66764	63739		8%	7%	8%	8%	7%	5%
rejected %	83%	84%	84%	84%	55%	58%	grade 1 events	56	56	52	61	322	86
								0%	0%	0%	0%	0%	0%
							grade 2 events	4440	4683	4372	4370	19295	11560
								3%	3%	3%	3%	16%	10%
							grade 3 events	1547	1487	1560	1483	1855	3700
								1%	1%	1%	1%	1%	3%
							grade 4 events	1519	1468	1527	1462	1744	3745
								1%	1%	1%	1%	1%	3%
							grade 5 events	2691	2686	2469	3013	5721	6958
								2%	2%	1%	2%	4%	6%
							grade 6 events	3579	3945	3426	3397	23669	21868
								2%	2%	2%	2%	19%	19%
							grade 7 events	107691	109281	110521	111654	59280	55471
								81%	81%	81%	81%	49%	50%

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	307.0340252860138
[deg] Pointing Dec	0	19.34425370709982
[deg] Pointing Roll	0.0	103.8883767769933
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)	547876257.278165	547876257.278165
Observation start date	2015-05-13T03:50:57	2015-05-13T03:50:57
[s] Observation end time (MET)	547886320.19648	547886320.19648
Observation end date	2015-05-13T06:38:40	2015-05-13T06:38:40
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)	2015.05.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0658694767952

A.2 Comments