

V&V Reference Report

L2 ASCDS Version : 10.4.2.1

Observation 51437 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Dec 8 2015

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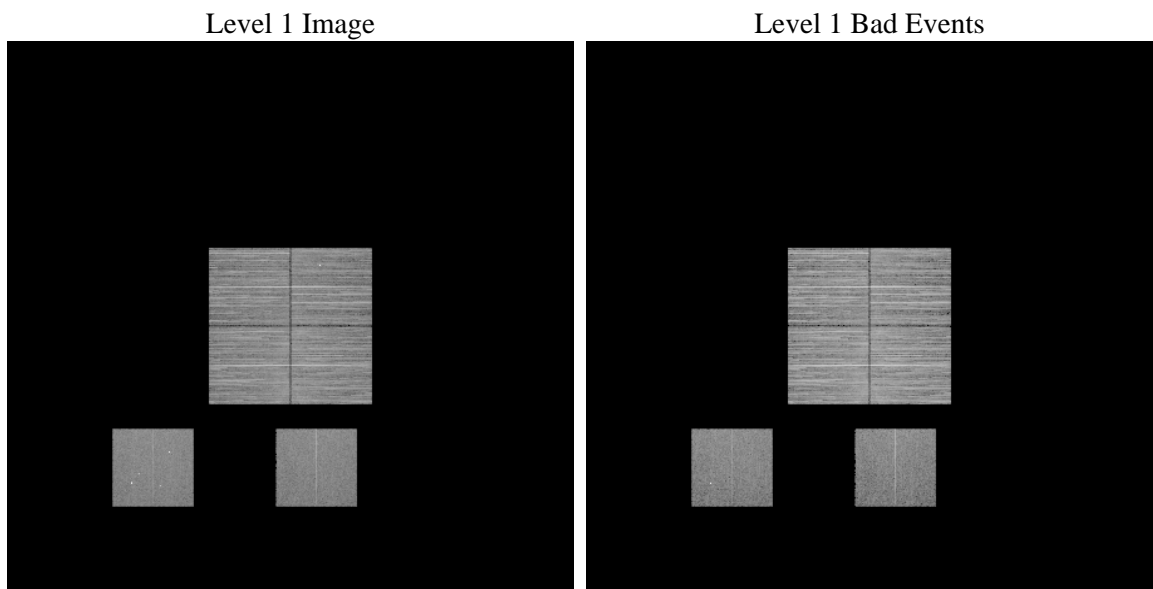
1 Front

seq_num	 	Sequence number
obs_id	51437	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	76.66550910774	Nominal RA [deg]
dec_nom	43.597700346823	Nominal Dec [deg]
roll_nom	172.00391823994	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8217.6001224518	Sum of GTIs [s]
livetime	8113.5439216566	Livetime [s]
ontime0	8217.6001224518	Sum of GTIs [s]
ontime1	8217.6001224518	Sum of GTIs [s]
ontime2	8217.6001224518	Sum of GTIs [s]
ontime3	8217.6001224518	Sum of GTIs [s]
ontime5	8217.6001224518	Sum of GTIs [s]
ontime7	8217.6001224518	Sum of GTIs [s]
l2events	177090	Number of level 2 events

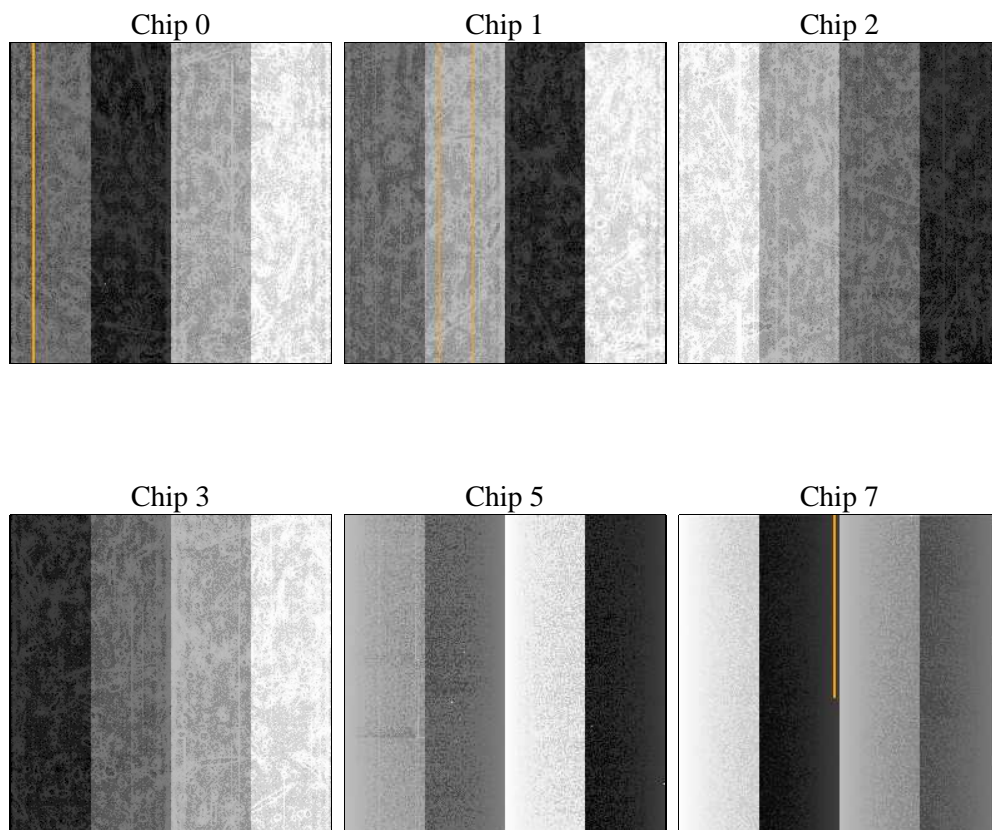
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	10.4.2.1	Processing system revision	ontime	8217.6001224518	Sum of GTIs [s]
caldsver	4.6.10a	 	ontime0	8217.6001224518	Sum of GTIs [s]
date	2015-12-08T20:57:44	Date and time of file creation	ontime1	8217.6001224518	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8217.6001224518	Sum of GTIs [s]
			ontime3	8217.6001224518	Sum of GTIs [s]
			ontime5	8217.6001224518	Sum of GTIs [s]
			ontime7	8217.6001224518	Sum of GTIs [s]
			l1events	905828	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	156911	152976	171827	169205	132428	122481	grade 0 events	9850	11394	10473	10289	5287	5656
rejected events	135813	129215	150582	147725	77206	73625		6%	7%	6%	6%	3%	4%
rejected %	86%	84%	87%	87%	58%	60%	grade 1 events	74	47	51	73	166	89
								0%	0%	0%	0%	0%	0%
							grade 2 events	4808	5568	4348	4619	19952	12548
								3%	3%	2%	2%	15%	10%
							grade 3 events	1430	1438	1496	1480	1744	3500
								0%	0%	0%	0%	1%	2%
							grade 4 events	1425	1406	1537	1541	1386	3567
								0%	0%	0%	0%	1%	2%
							grade 5 events	2856	2784	2698	3253	6700	7401
								1%	1%	1%	1%	5%	6%
							grade 6 events	3721	4116	3540	3696	27139	23864
								2%	2%	2%	2%	20%	19%
							grade 7 events	132747	126223	147684	144254	70054	65856
								84%	82%	85%	85%	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	76.66550910774032
[deg] Pointing Dec	0	43.59770034682291
[deg] Pointing Roll	0.0	172.0039182399421
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)	565929401.635277	565929401.635277
Observation start date	2015-12-08T02:36:42	2015-12-08T02:36:41
[s] Observation end time (MET)	565938947.6319081	565938947.6319081
Observation end date	2015-12-08T05:15:48	2015-12-08T05:15:47
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2015.12.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2176001224518

A.2 Comments