

V&V Reference Report

L2 ASCDS Version : 10.4.2.1

Observation 51551 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Oct 22 2015

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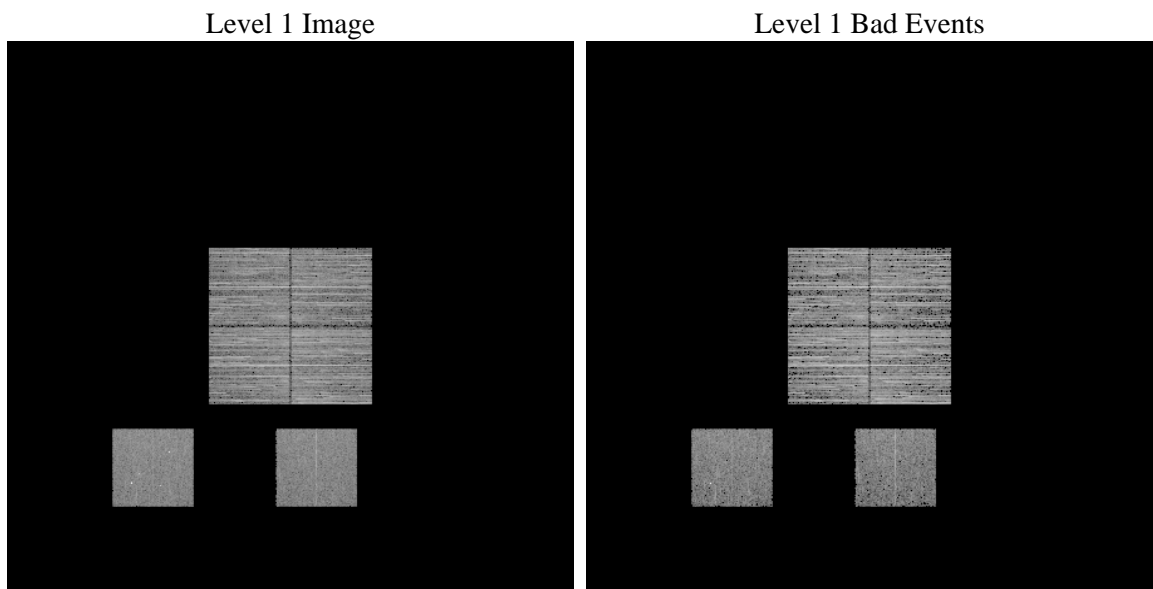
1 Front

seq_num	 	Sequence number
obs_id	51551	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	16.428738344081	Nominal RA [deg]
dec_nom	-0.40319103343388	Nominal Dec [deg]
roll_nom	320.49447642587	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3260.8000485897	Sum of GTIs [s]
livetime	3219.5098349564	Livetime [s]
ontime0	3260.8000485897	Sum of GTIs [s]
ontime1	3260.8000485897	Sum of GTIs [s]
ontime2	3260.8000485897	Sum of GTIs [s]
ontime3	3260.8000485897	Sum of GTIs [s]
ontime5	3260.8000485897	Sum of GTIs [s]
ontime7	3260.8000485897	Sum of GTIs [s]
l2events	79441	Number of level 2 events

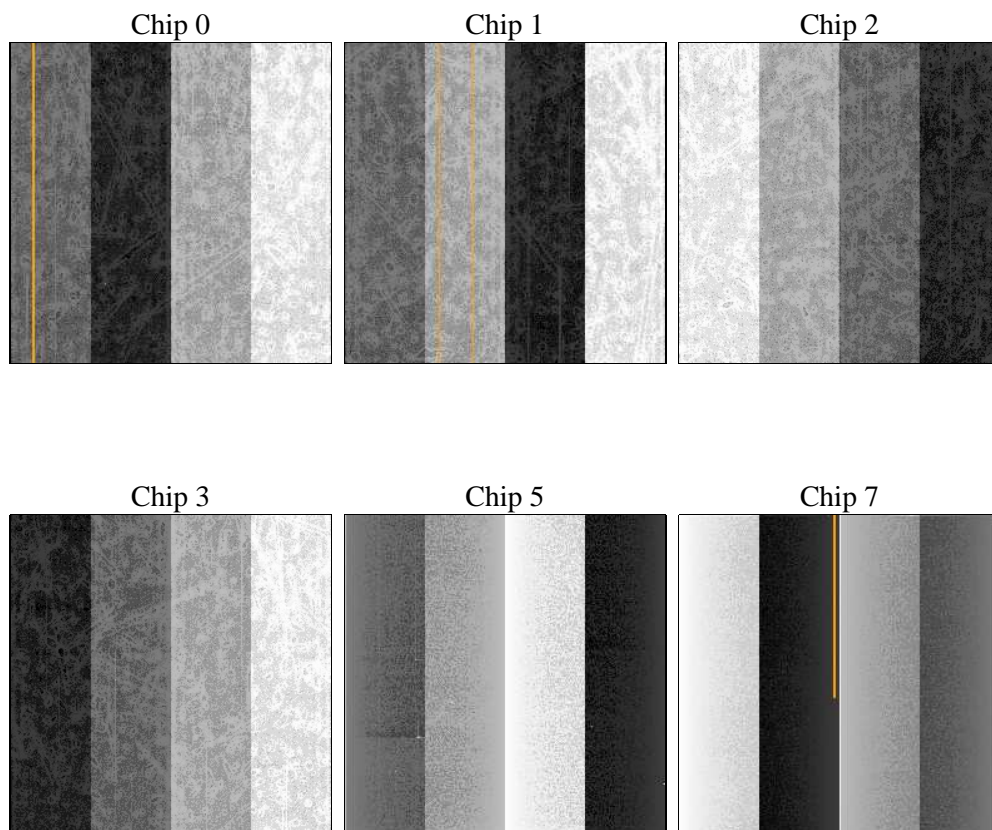
2 OBI

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	3260.8000485897	Sum of GTIs [s]
caldbver	4.6.10a	 	ontime0	3260.8000485897	Sum of GTIs [s]
date	2015-10-22T03:54:24	Date and time of file creation	ontime1	3260.8000485897	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	3260.8000485897	Sum of GTIs [s]
			ontime3	3260.8000485897	Sum of GTIs [s]
			ontime5	3260.8000485897	Sum of GTIs [s]
			ontime7	3260.8000485897	Sum of GTIs [s]
			l1events	354333	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	58536	57271	65580	69453	53993	49500	grade 0 events	4490	4417	4713	4790	2469	2893
rejected events	48729	47357	55880	59416	30363	28024		7%	7%	7%	6%	4%	5%
rejected %	83%	82%	85%	85%	56%	56%	grade 1 events	25	19	34	32	56	41
								0%	0%	0%	0%	0%	0%
							grade 2 events	2047	2252	1923	2015	8819	5348
								3%	3%	2%	2%	16%	10%
							grade 3 events	678	703	676	718	764	1671
								1%	1%	1%	1%	1%	3%
							grade 4 events	661	623	691	702	741	1600
								1%	1%	1%	1%	1%	3%
							grade 5 events	1143	1174	1088	1363	2648	3188
								1%	2%	1%	1%	4%	6%
							grade 6 events	1941	1930	1703	1820	10865	9987
								3%	3%	2%	2%	20%	20%
							grade 7 events	47551	46153	54752	58013	27631	24772
								81%	80%	83%	83%	51%	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	16.4287383440813
[deg] Pointing Dec	0	-0.4031910334338813
[deg] Pointing Roll	0.0	320.4944764258743
[mm] SIM focus pos	-1.429586	-1.428180813131781
[mm] SIM defocus	0.1037507710433287	0.1051558262725154
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	561821465.852702	561821464.8277
Observation start date	2015-10-21T13:31:06	2015-10-21T13:31:04
[s] Observation end time (MET)	561839294.70371	561839293.67871
Observation end date	2015-10-21T18:28:15	2015-10-21T18:28:13
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)	2015.10.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2608000485897

A.2 Comments