

V&V Reference Report

L2 ASCDS Version : 10.4.3

Observation 51416 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Dec 15 2015

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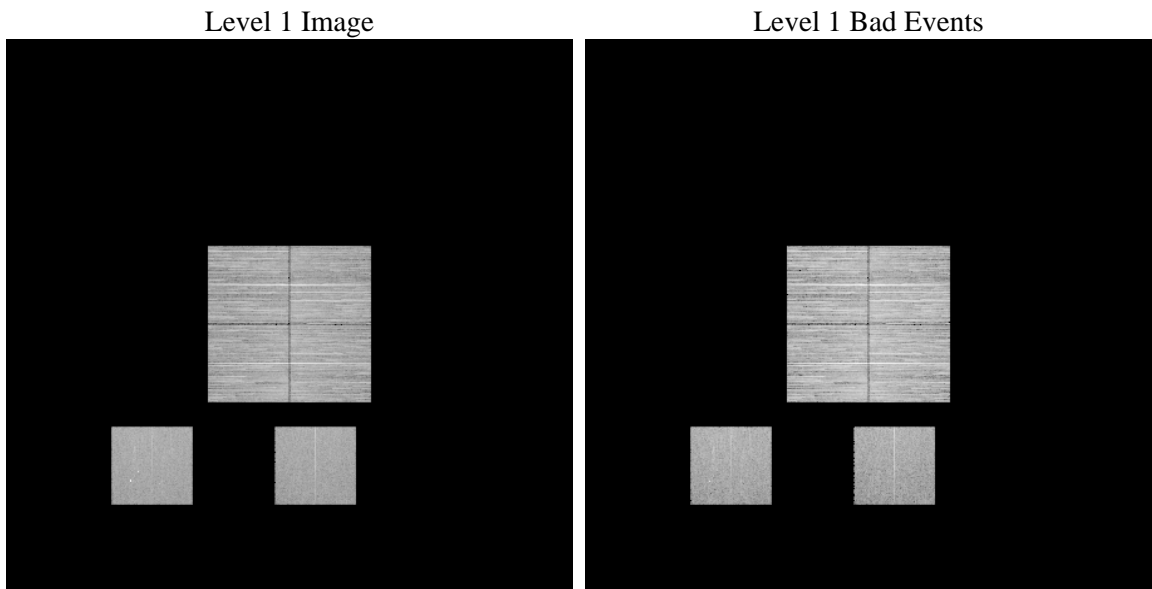
1 Front

seq_num	 	Sequence number
obs_id	51416	Observation id
title	ACIS-012357 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtycycle	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	72.027935528326	Nominal RA [deg]
dec_nom	-0.99275250366566	Nominal Dec [deg]
roll_nom	341.76443399599	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8435.1212118864	Sum of GTIs [s]
livetime	8328.3106280813	Livetime [s]
ontime0	8435.0801718235	Sum of GTIs [s]
ontime1	8435.0391318798	Sum of GTIs [s]
ontime2	8434.9980918169	Sum of GTIs [s]
ontime3	8435.1622518301	Sum of GTIs [s]
ontime5	8434.9570518732	Sum of GTIs [s]
ontime7	8435.1212118864	Sum of GTIs [s]
l2events	184919	Number of level 2 events

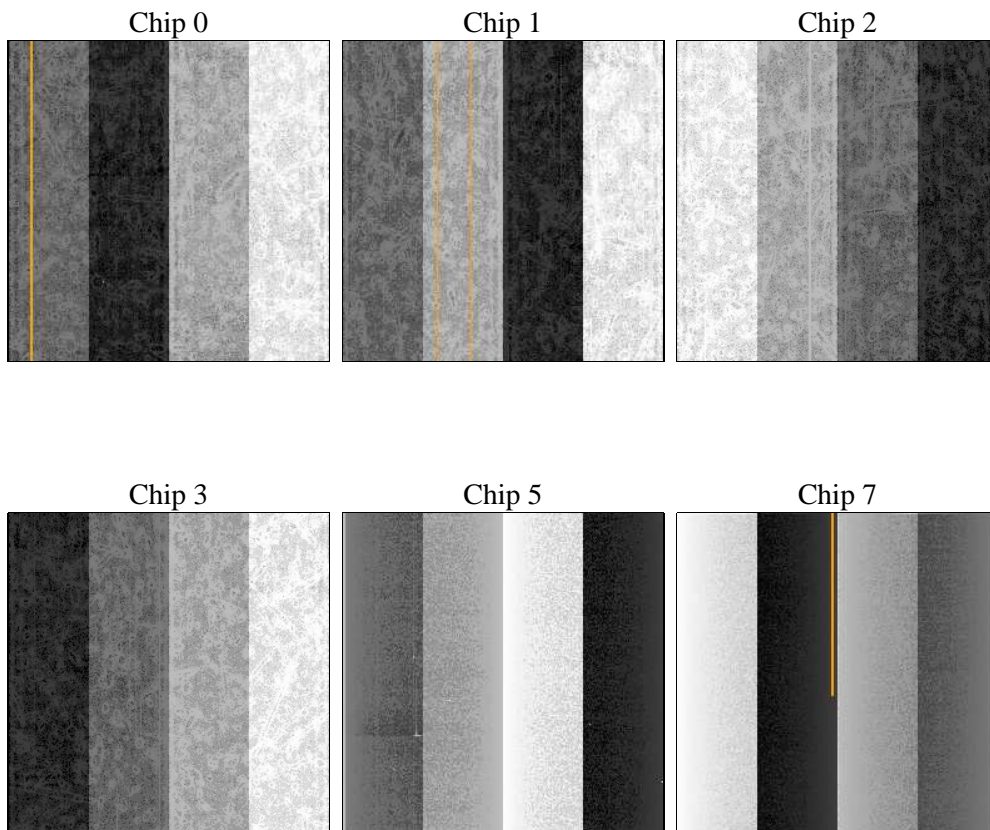
2 OBI

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	10.4.3	Processing system revision	ontime	8435.1212118864	Sum of GTIs [s]
caldbver	4.7.0	 	ontime0	8435.0801718235	Sum of GTIs [s]
date	2015-12-15T21:53:11	Date and time of file creation	ontime1	8435.0391318798	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8434.9980918169	Sum of GTIs [s]
			ontime3	8435.1622518301	Sum of GTIs [s]
			ontime5	8434.9570518732	Sum of GTIs [s]
			ontime7	8435.1212118864	Sum of GTIs [s]
			l1events	887361	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	152367	159177	158665	158697	134688	123767	grade 0 events	10571	10021	10954	10915	4653	5868
rejected events	129966	136782	136423	136372	78831	73381		6%	6%	6%	6%	3%	4%
rejected %	85%	85%	85%	85%	58%	59%	grade 1 events	74	62	54	75	166	96
								0%	0%	0%	0%	0%	0%
							grade 2 events	5025	5217	4602	4499	20742	12478
								3%	3%	2%	2%	15%	10%
							grade 3 events	1589	1527	1587	1635	1719	3730
								1%	0%	1%	1%	1%	3%
							grade 4 events	1495	1528	1555	1634	1592	3746
								0%	0%	0%	1%	1%	3%
							grade 5 events	3041	2968	2716	3360	6346	7673
								1%	1%	1%	2%	4%	6%
							grade 6 events	3779	4148	3619	3712	27342	24700
								2%	2%	2%	2%	20%	19%
							grade 7 events	126793	133706	133578	132867	72128	65476
								83%	83%	84%	83%	53%	52%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012357	ACIS-012357	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	72.0279355283256	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-0.9927525036656621	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	341.7644339959875	[s] Primary exposure time	3.2	3.2
[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)	566427531.1635	566427530.1385			
Observation start date	2015-12-13T20:58:51	2015-12-13T20:58:50			
[s] Observation end time (MET)	566437711.464076	566437710.43908			
Observation end date	2015-12-13T23:48:31	2015-12-13T23:48:30			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2015.12.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4351212118864

A.2 Comments