

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 51082 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Apr 24 2016

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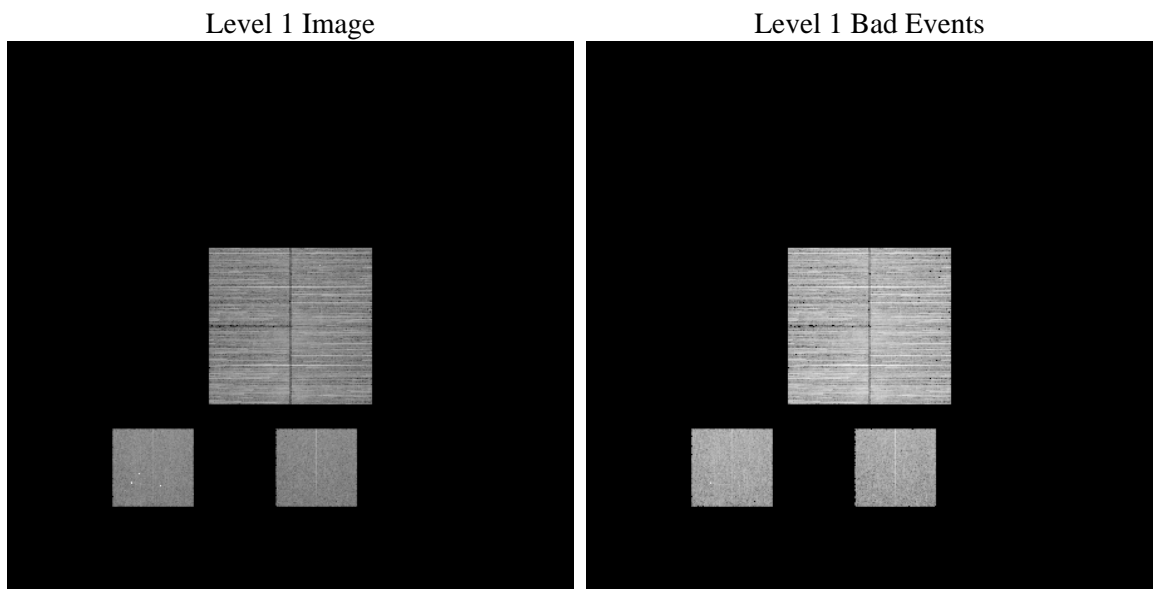
1 Front

seq_num	 	Sequence number
obs_id	51082	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	49.091191864779	Nominal RA [deg]
dec_nom	-32.641797157942	Nominal Dec [deg]
roll_nom	202.69923956894	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4997.6790091991	Sum of GTIs [s]
livetime	4934.3953883436	Livetime [s]
ontime0	4997.6379691362	Sum of GTIs [s]
ontime1	4997.5969291925	Sum of GTIs [s]
ontime2	4997.5558891296	Sum of GTIs [s]
ontime3	4997.7200491428	Sum of GTIs [s]
ontime5	4997.5148491859	Sum of GTIs [s]
ontime7	4997.6790091991	Sum of GTIs [s]
l2events	108044	Number of level 2 events

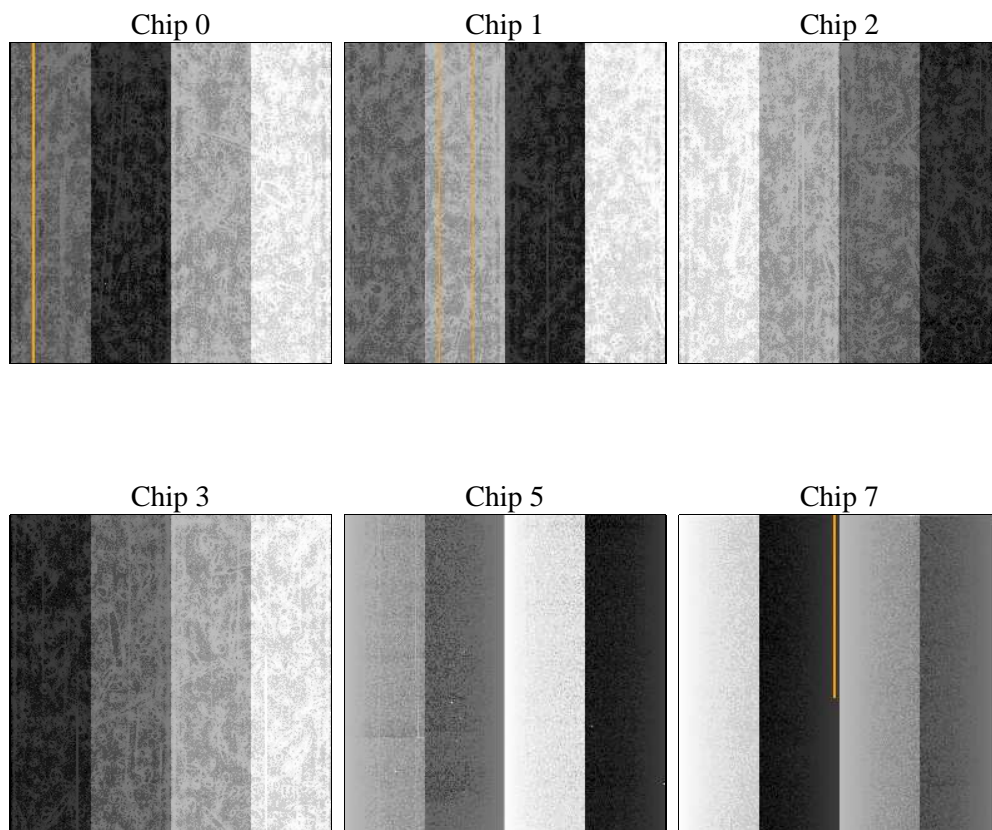
2 OBI

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	10.4.3.1	Processing system revision	ontime	4997.6790091991	Sum of GTIs [s]
caldsver	4.7.1	 	ontime0	4997.6379691362	Sum of GTIs [s]
date	2016-04-24T18:38:13	Date and time of file creation	ontime1	4997.5969291925	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	4997.5558891296	Sum of GTIs [s]
			ontime3	4997.7200491428	Sum of GTIs [s]
			ontime5	4997.5148491859	Sum of GTIs [s]
			ontime7	4997.6790091991	Sum of GTIs [s]
			l1events	585922	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	96401	103466	110381	107545	89198	78931	grade 0 events	5705	5319	5926	5852	5569	3168
rejected events	83929	90711	97971	95185	51344	48624		5%	5%	5%	5%	6%	4%
rejected %	87%	87%	88%	88%	57%	61%	grade 1 events	39	27	31	29	312	51
								0%	0%	0%	0%	0%	0%
							grade 2 events	3040	3567	2877	2716	13103	7627
								3%	3%	2%	2%	14%	9%
							grade 3 events	885	771	874	905	996	2093
								0%	0%	0%	0%	1%	2%
							grade 4 events	858	831	903	955	896	1997
								0%	0%	0%	0%	1%	2%
							grade 5 events	1866	1828	1811	2208	3769	4829
								1%	1%	1%	2%	4%	6%
							grade 6 events	2166	2463	2032	2120	17827	15888
								2%	2%	1%	1%	19%	20%
							grade 7 events	81842	88660	95927	92760	46726	43278
								84%	85%	86%	86%	52%	54%

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	49.09119186477866	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-32.64179715794229	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	202.6992395689417	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-0.7809083437167272			
[mm] SIM defocus	0.1037507710433287	0.7524282956875696			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	577853003.799492	577853002.77449			
Observation start date	2016-04-24T02:43:24	2016-04-24T02:43:22			
[s] Observation end time (MET)	577862366.150027	577862365.12503			
Observation end date	2016-04-24T05:19:26	2016-04-24T05:19:25			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2016.04.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.9976790091991

A.2 Comments