

V&V Reference Report

L2 ASCDS Version : 10.4

Observation 51798 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jul 2 2015

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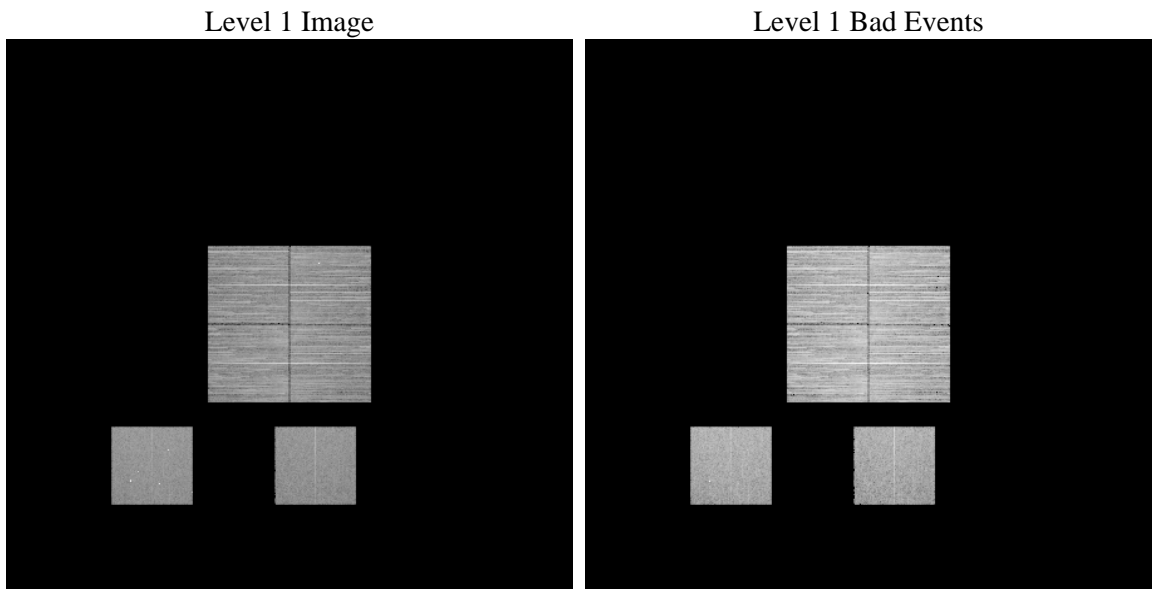
1 Front

seq_num	 	Sequence number
obs_id	51798	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	165.00331694248	Nominal RA [deg]
dec_nom	49.080586744793	Nominal Dec [deg]
roll_nom	273.36629606818	Nominal Roll [deg]
revision	1	Processing version of data
ontime	7987.2001190186	Sum of GTIs [s]
livetime	7886.061381797	Livetime [s]
ontime0	7987.2001190186	Sum of GTIs [s]
ontime1	7987.2001190186	Sum of GTIs [s]
ontime2	7987.2001190186	Sum of GTIs [s]
ontime3	7987.2001190186	Sum of GTIs [s]
ontime5	7987.2001190186	Sum of GTIs [s]
ontime7	7987.2001190186	Sum of GTIs [s]
l2events	175075	Number of level 2 events

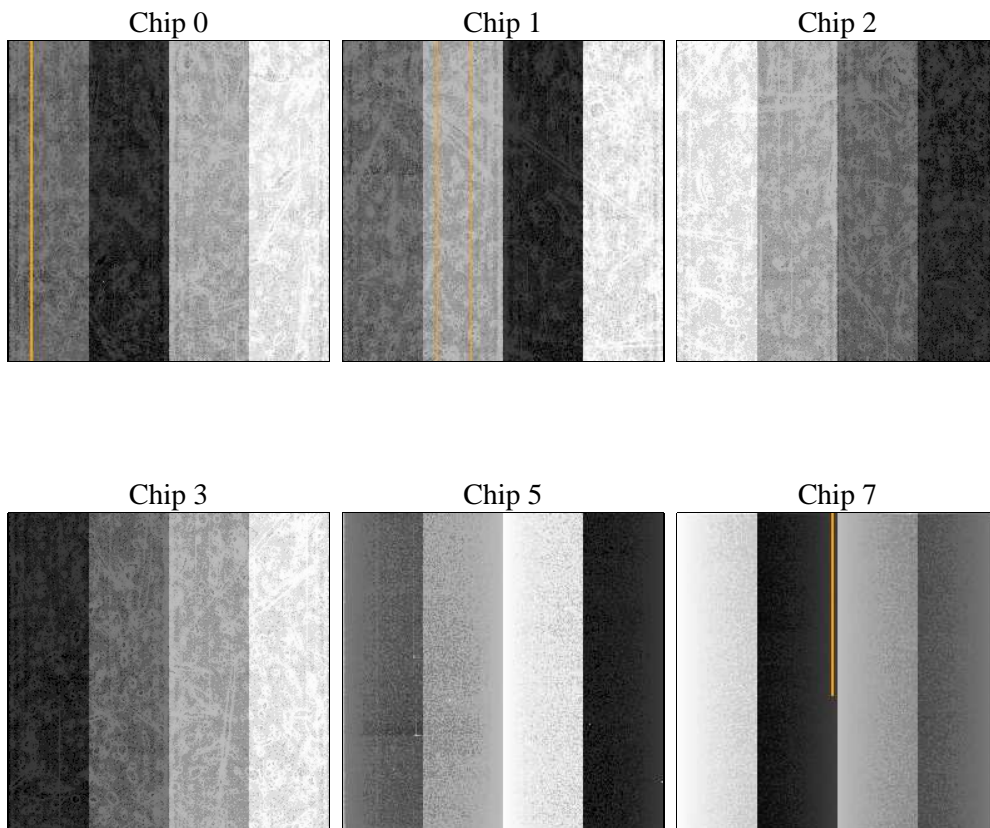
2 OBI

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	Processing system revision	ontime	7987.2001190186	Sum of GTIs [s]
caldsver	4.6.7	 	ontime0	7987.2001190186	Sum of GTIs [s]
date	2015-07-02T19:46:28	Date and time of file creation	ontime1	7987.2001190186	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	7987.2001190186	Sum of GTIs [s]
			ontime3	7987.2001190186	Sum of GTIs [s]
			ontime5	7987.2001190186	Sum of GTIs [s]
			ontime7	7987.2001190186	Sum of GTIs [s]
			l1events	800948	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	136585	144396	143239	135366	126287	115075	grade 0 events	10812	11576	11336	11175	7133	6139
rejected events	115055	121690	121743	113944	72555	67810		7%	8%	7%	8%	5%	5%
rejected %	84%	84%	84%	84%	57%	58%	grade 1 events	60	56	75	77	415	67
								0%	0%	0%	0%	0%	0%
							grade 2 events	4659	4900	4404	4387	19494	12136
								3%	3%	3%	3%	15%	10%
							grade 3 events	1586	1540	1510	1627	1868	3870
								1%	1%	1%	1%	1%	3%
							grade 4 events	1569	1519	1513	1609	1839	3913
								1%	1%	1%	1%	1%	3%
							grade 5 events	2836	2992	2685	3176	6006	7426
								2%	2%	1%	2%	4%	6%
							grade 6 events	3731	4056	3560	3503	25448	23014
								2%	2%	2%	2%	20%	19%
							grade 7 events	111332	117757	118156	109812	64084	58510
								81%	81%	82%	81%	50%	50%

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	OVERRIDE	OVERRIDE
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	165.0033169424754	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	49.0805867447932	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	273.3662960681772	[s] Primary exposure time	3.2	3.2
SIM focus pos (mm)	-0.68282252473119	-0.68282252473119			
[mm] SIM defocus	0.8505140384245534	0.8505140384245534			
SIM translation stage pos (mm)	250.4660330802	250.4660330802			
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584			
[s] Observation start time (MET)	552219354.722092	552219354.722092			
Observation start date	2015-07-02T10:15:55	2015-07-02T10:15:54			
[s] Observation end time (MET)	552228903.43303	552228903.43303			
Observation end date	2015-07-02T12:55:03	2015-07-02T12:55:03			
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)	2015.07.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.9872001190186

A.2 Comments