

V&V Reference Report

L2 ASCDS Version : 10.4.2.1

Observation 51511 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Nov 12 2015

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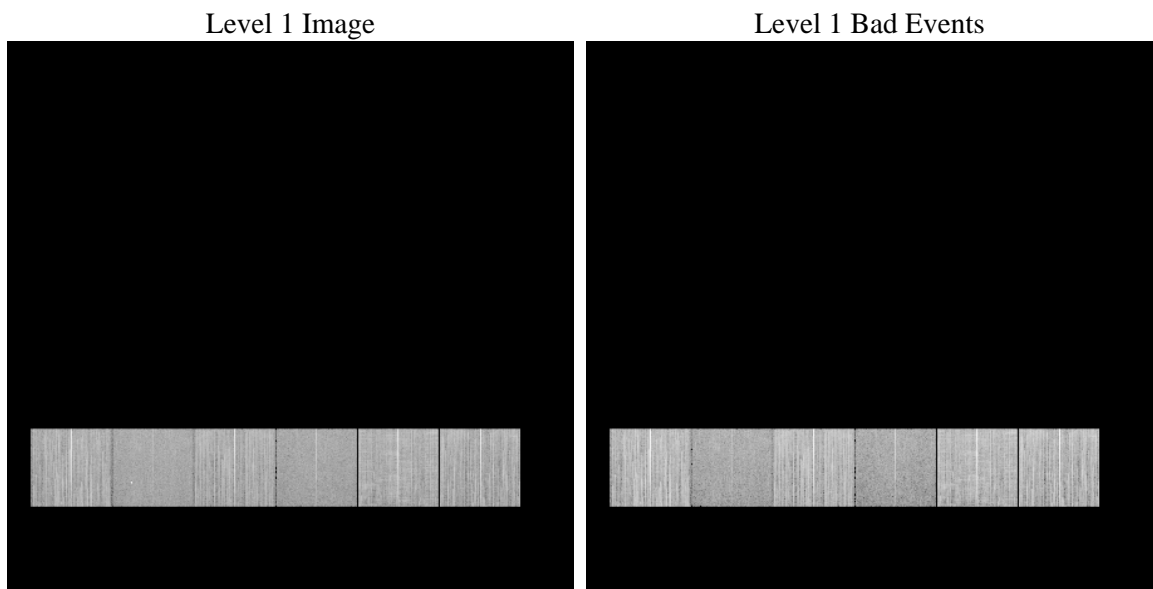
1 Front

seq_num	 	Sequence number
obs_id	51511	Observation id
title	ACIS-456789 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	25.013674480927	Nominal RA [deg]
dec_nom	3.9817736486786	Nominal Dec [deg]
roll_nom	304.12522330199	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8451.2001259327	Sum of GTIs [s]
livetime	8344.1859412364	Livetime [s]
ontime4	8451.124874711	Sum of GTIs [s]
ontime5	8451.2001259327	Sum of GTIs [s]
ontime6	8451.1659147739	Sum of GTIs [s]
ontime7	8451.2001259327	Sum of GTIs [s]
ontime8	8451.0838347673	Sum of GTIs [s]
ontime9	8451.2001259327	Sum of GTIs [s]
l2events	188500	Number of level 2 events

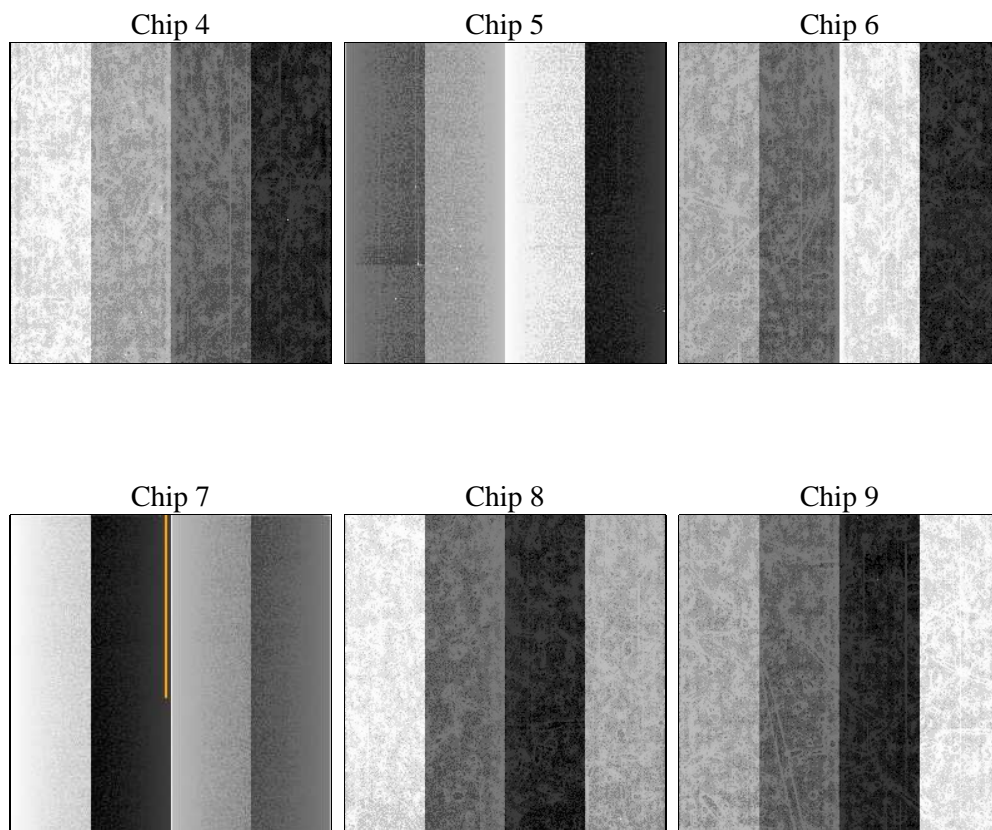
2 OBI

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	8451.2001259327	Sum of GTIs [s]
caldsver	4.6.10a	 	ontime4	8451.124874711	Sum of GTIs [s]
date	2015-11-12T21:39:29	Date and time of file creation	ontime5	8451.2001259327	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8451.1659147739	Sum of GTIs [s]
			ontime7	8451.2001259327	Sum of GTIs [s]
			ontime8	8451.0838347673	Sum of GTIs [s]
			ontime9	8451.2001259327	Sum of GTIs [s]
			l1events	927370	Number of level 1 events

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	169618	131168	165471	121679	173615	165819	grade 0 events	11808	3588	9841	5761	13396	10782
rejected events	146085	77077	141284	72328	140015	142053		6%	2%	5%	4%	7%	6%
rejected %	86%	58%	85%	59%	80%	85%	grade 1 events	106	175	43	91	77	72
								0%	0%	0%	0%	0%	0%
							grade 2 events	4804	19921	6583	12275	7781	5428
								2%	15%	3%	10%	4%	3%
							grade 3 events	1723	1436	1482	3489	2550	1546
								1%	1%	0%	2%	1%	0%
							grade 4 events	1760	1443	1473	3343	2514	1585
								1%	1%	0%	2%	1%	0%
							grade 5 events	3305	5583	2815	7049	4071	3431
								1%	4%	1%	5%	2%	2%
							grade 6 events	3438	27703	4808	24483	7359	4425
								2%	21%	2%	20%	4%	2%
							grade 7 events	142674	71319	138426	65188	135867	138550
								84%	54%	83%	53%	78%	83%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	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	25.01367448092662	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	3.981773648678606	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	304.1252233019874	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-0.6828225247311905			
[mm] SIM defocus	0.1037507710433287	0.8505141146731063			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	563684013.958091	563684012.93309			
Observation start date	2015-11-12T02:53:34	2015-11-12T02:53:32			
[s] Observation end time (MET)	563696719.858811	563696718.83381			
Observation end date	2015-11-12T06:25:20	2015-11-12T06:25:18			
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)	2015.11.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4512001259327

A.2 Comments