

V&V Reference Report

L2 ASCDS Version : 10.4.2.1

Observation 51562 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Oct 16 2015

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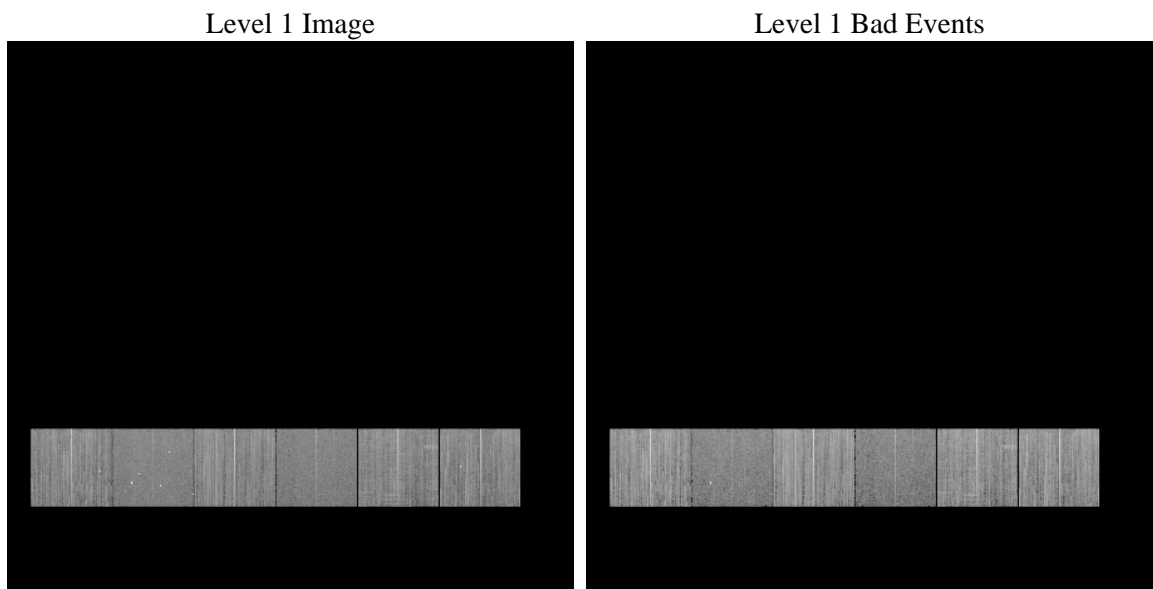
1 Front

seq_num	 	Sequence number
obs_id	51562	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	1.0332652823167	Nominal RA [deg]
dec_nom	-2.6132978009239	Nominal Dec [deg]
roll_nom	298.39539556778	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8006.2704859972	Sum of GTIs [s]
livetime	7904.8902683062	Livetime [s]
ontime4	8006.1473659277	Sum of GTIs [s]
ontime5	8006.2294459343	Sum of GTIs [s]
ontime6	8006.1884059906	Sum of GTIs [s]
ontime7	8006.2704859972	Sum of GTIs [s]
ontime8	8006.106325984	Sum of GTIs [s]
ontime9	8006.3115259409	Sum of GTIs [s]
l2events	169201	Number of level 2 events

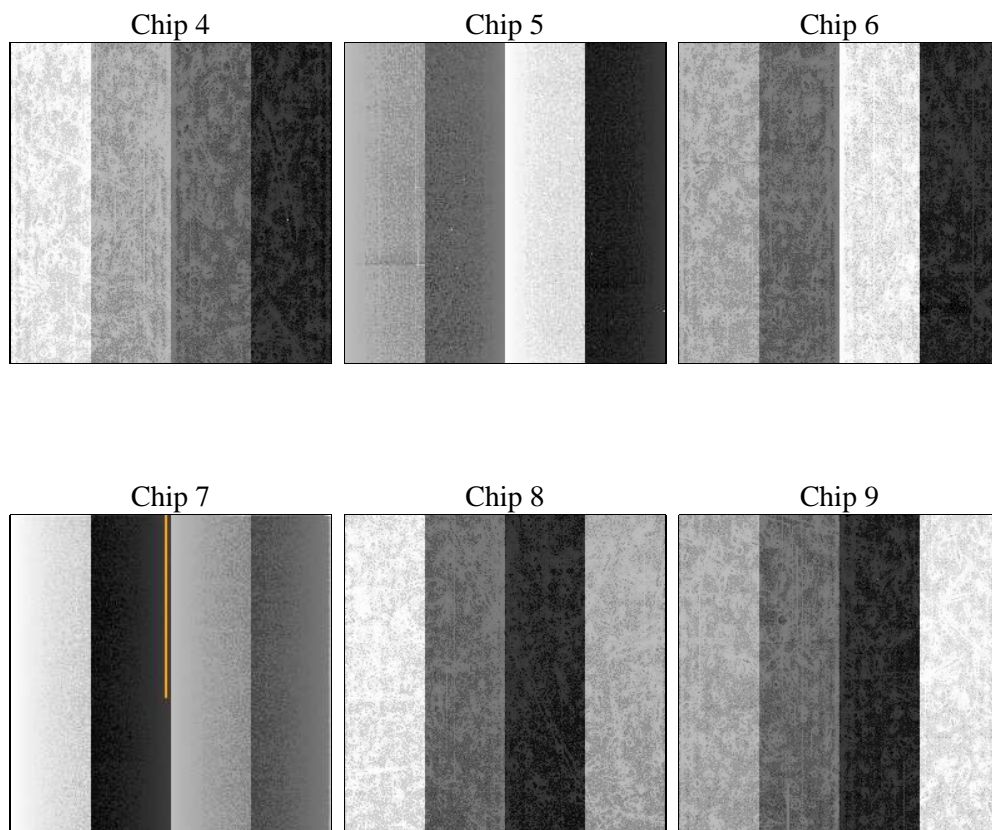
2 OBI

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	8006.2704859972	Sum of GTIs [s]
caldsver	4.6.10a	 	ontime4	8006.1473659277	Sum of GTIs [s]
date	2015-10-16T18:47:52	Date and time of file creation	ontime5	8006.2294459343	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8006.1884059906	Sum of GTIs [s]
			ontime7	8006.2704859972	Sum of GTIs [s]
			ontime8	8006.106325984	Sum of GTIs [s]
			ontime9	8006.3115259409	Sum of GTIs [s]
			l1events	889147	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	157881	137271	166079	117715	154690	155511	grade 0 events	11739	11112	9652	5797	12756	12394
rejected events	136428	79205	145380	71455	124642	132569		7%	8%	5%	4%	8%	7%
rejected %	86%	57%	87%	60%	80%	85%	grade 1 events	101	234	52	90	90	70
								0%	0%	0%	0%	0%	0%
							grade 2 events	4269	19275	4766	11743	6790	4415
								2%	14%	2%	9%	4%	2%
							grade 3 events	1591	1649	1397	3583	2482	1483
								1%	1%	0%	3%	1%	0%
							grade 4 events	1630	1670	1481	3558	2366	1501
								1%	1%	0%	3%	1%	0%
							grade 5 events	3261	5968	3175	7598	4286	3598
								2%	4%	1%	6%	2%	2%
							grade 6 events	2892	26186	4080	22939	6541	3938
								1%	19%	2%	19%	4%	2%
							grade 7 events	132398	71177	141476	62407	119379	128112
								83%	51%	85%	53%	77%	82%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	1.033265282316705
[deg] Pointing Dec	0	-2.613297800923871
[deg] Pointing Roll	0.0	298.395395567785
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)	561359404.026569	561359404.026569
Observation start date	2015-10-16T05:10:04	2015-10-16T05:10:04
[s] Observation end time (MET)	561368953.520329	561368953.520329
Observation end date	2015-10-16T07:49:14	2015-10-16T07:49:13
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
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	Jen Lauer
V&V Date (YYYY-MM-DD)	2015.10.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0062704859972

A.2 Comments