

V&V Reference Report

L2 ASCDS Version : 10.4.3

Observation 51410 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Dec 16 2015

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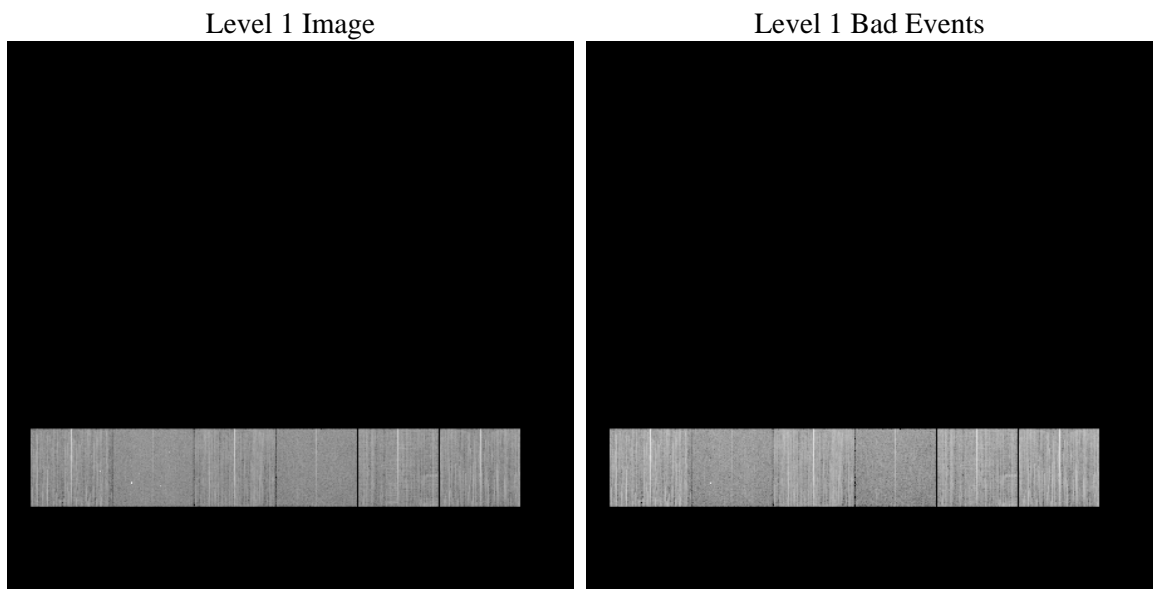
1 Front

seq_num	 	Sequence number
obs_id	51410	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	81.138560357517	Nominal RA [deg]
dec_nom	-0.98698719196322	Nominal Dec [deg]
roll_nom	162.43685134518	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8050.0974251032	Sum of GTIs [s]
livetime	7948.1622443198	Livetime [s]
ontime4	7930.0554685593	Sum of GTIs [s]
ontime5	8050.0563850403	Sum of GTIs [s]
ontime6	7946.3017295599	Sum of GTIs [s]
ontime7	8050.0974251032	Sum of GTIs [s]
ontime8	7942.9785786867	Sum of GTIs [s]
ontime9	7923.7375593185	Sum of GTIs [s]
l2events	175875	Number of level 2 events

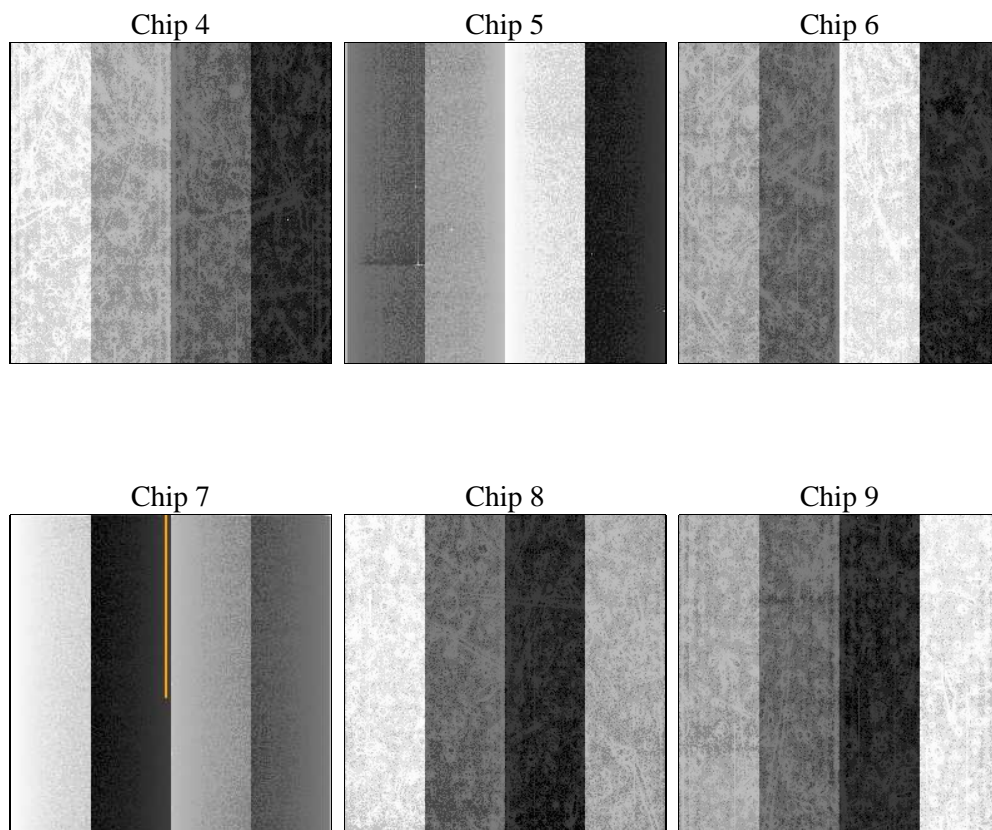
2 OBI

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	8050.0974251032	Sum of GTIs [s]
caldsver	4.7.0	 	ontime4	7930.0554685593	Sum of GTIs [s]
date	2015-12-17T01:05:37	Date and time of file creation	ontime5	8050.0563850403	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	7946.3017295599	Sum of GTIs [s]
			ontime7	8050.0974251032	Sum of GTIs [s]
			ontime8	7942.9785786867	Sum of GTIs [s]
			ontime9	7923.7375593185	Sum of GTIs [s]
			l1events	891979	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	158123	134504	157215	123851	156293	161993	grade 0 events	11276	4222	9754	5705	12489	10205
rejected events	136749	80631	135826	75598	125982	140731		7%	3%	6%	4%	7%	6%
rejected %	86%	59%	86%	61%	80%	86%	grade 1 events	91	145	54	116	55	80
								0%	0%	0%	0%	0%	0%
							grade 2 events	4291	20802	5176	12400	6751	4681
								2%	15%	3%	10%	4%	2%
							grade 3 events	1619	1562	1415	3715	2708	1595
								1%	1%	0%	2%	1%	0%
							grade 4 events	1588	1553	1465	3572	2472	1478
								1%	1%	0%	2%	1%	0%
							grade 5 events	3283	6111	3223	7725	4222	3615
								2%	4%	2%	6%	2%	2%
							grade 6 events	3171	27251	4191	24190	6763	3913
								2%	20%	2%	19%	4%	2%
							grade 7 events	132804	72858	131937	66428	120833	136426
								83%	54%	83%	53%	77%	84%

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	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	81.13856035751721	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-0.9869871919632227	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	162.4368513451753	[s] Primary exposure time	3.2	3.2
SIM focus pos (mm)	-1.4281808131	-1.4281808131			
[mm] SIM defocus	0.1051557500557434	0.1051557500557434			
SIM translation stage pos (mm)	250.4660330802	250.4660330802			
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584			
[s] Observation start time (MET)	566658613.326625	566658613.326625			
Observation start date	2015-12-16T13:10:13	2015-12-16T13:10:13			
[s] Observation end time (MET)	566668432.819973	566668432.819973			
Observation end date	2015-12-16T15:53:53	2015-12-16T15:53:52			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2015.12.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0500974251032

A.2 Comments