

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 51144 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Mar 29 2016

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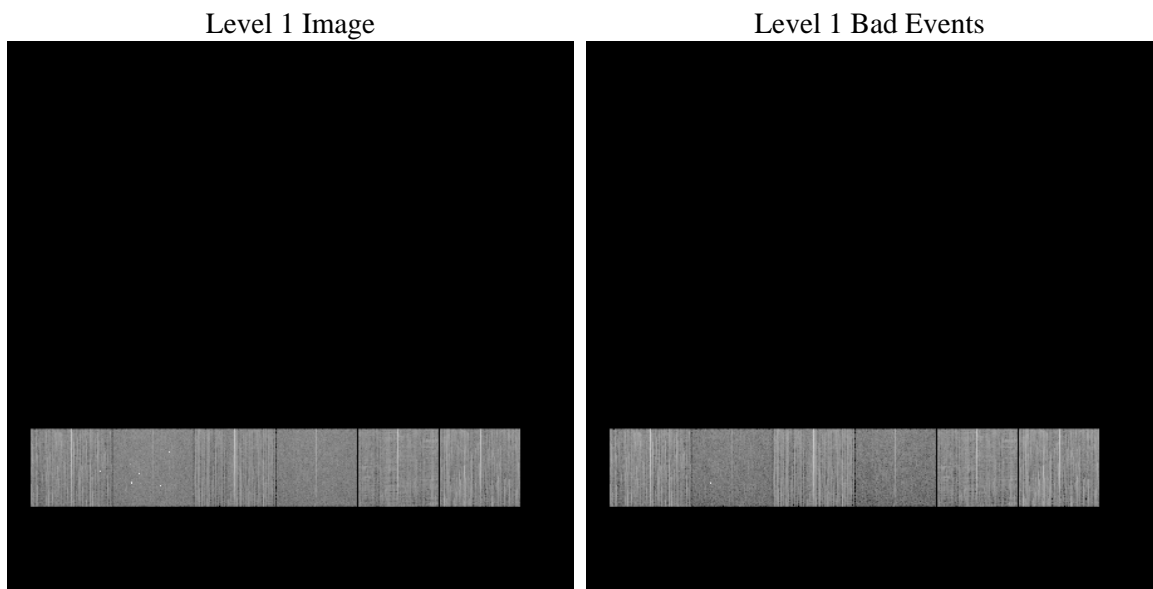
1 Front

seq_num	 	Sequence number
obs_id	51144	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	173.03131704681	Nominal RA [deg]
dec_nom	-23.002557980058	Nominal Dec [deg]
roll_nom	322.40848169588	Nominal Roll [deg]
revision	1	Processing version of data
ontime	6201.566283226	Sum of GTIs [s]
livetime	6123.0383168129	Livetime [s]
ontime4	6201.4431631565	Sum of GTIs [s]
ontime5	6201.5252431631	Sum of GTIs [s]
ontime6	6201.4842032194	Sum of GTIs [s]
ontime7	6201.566283226	Sum of GTIs [s]
ontime8	6201.4021232128	Sum of GTIs [s]
ontime9	6201.600092411	Sum of GTIs [s]
l2events	133650	Number of level 2 events

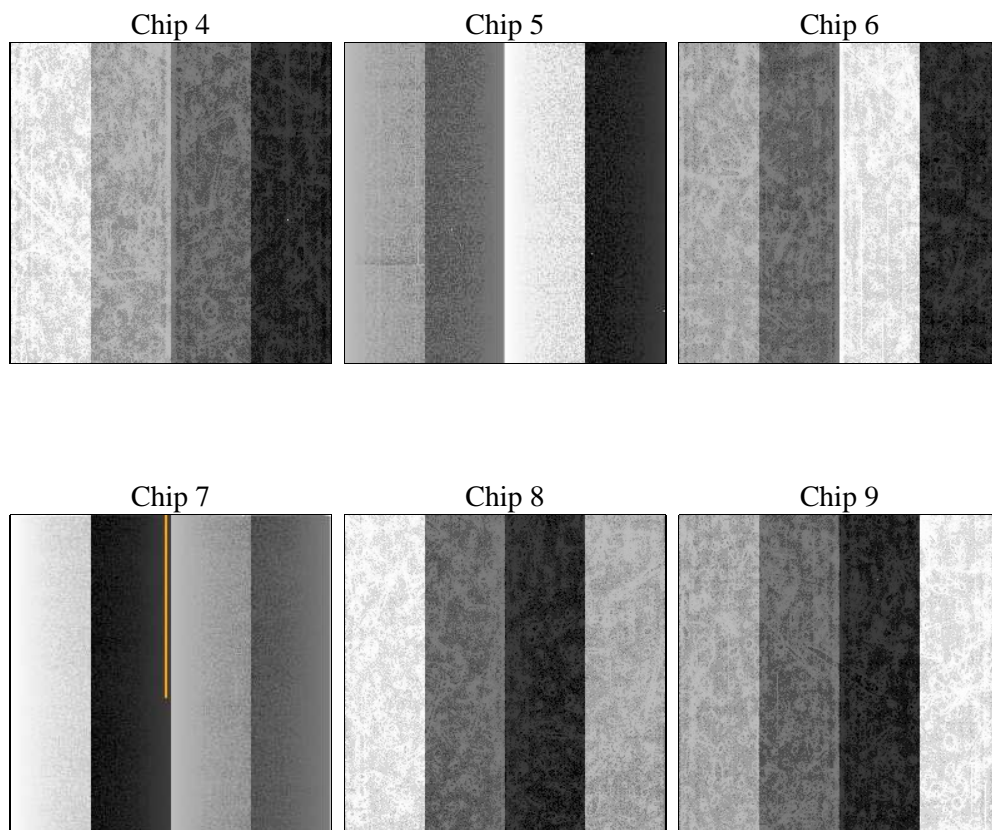
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	6201.566283226	Sum of GTIs [s]
caldsver	4.7.1	 	ontime4	6201.4431631565	Sum of GTIs [s]
date	2016-03-29T14:43:29	Date and time of file creation	ontime5	6201.5252431631	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	6201.4842032194	Sum of GTIs [s]
			ontime7	6201.566283226	Sum of GTIs [s]
			ontime8	6201.4021232128	Sum of GTIs [s]
			ontime9	6201.600092411	Sum of GTIs [s]
			l1events	758206	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	136257	113835	134980	98382	131579	143173	grade 0 events	9279	8304	6683	3931	9197	7077
rejected events	119138	65811	119549	60694	107595	127673		6%	7%	4%	3%	6%	4%
rejected %	87%	57%	88%	61%	81%	89%	grade 1 events	71	150	51	71	66	61
								0%	0%	0%	0%	0%	0%
							grade 2 events	3169	15392	3749	9493	5566	3317
								2%	13%	2%	9%	4%	2%
							grade 3 events	1212	1192	1003	2652	1970	1134
								0%	1%	0%	2%	1%	0%
							grade 4 events	1166	1153	989	2618	1899	1134
								0%	1%	0%	2%	1%	0%
							grade 5 events	2743	4994	2501	6132	3538	2936
								2%	4%	1%	6%	2%	2%
							grade 6 events	2301	22003	3012	19013	5362	2847
								1%	19%	2%	19%	4%	1%
							grade 7 events	116316	60647	116992	54472	103981	124667
								85%	53%	86%	55%	79%	87%

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	173.0313170468134	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-23.00255798005768	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	322.4084816958779	[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)	575569592.71908	575569591.69408			
Observation start date	2016-03-28T16:26:33	2016-03-28T16:26:31			
[s] Observation end time (MET)	575576193.719457	575576192.69446			
Observation end date	2016-03-28T18:16:34	2016-03-28T18:16:32			
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)	2016.03.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.201566283226

A.2 Comments