

V&V Reference Report

L2 ASCDS Version : 10.3.3

Observation 52020 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Mar 14 2015

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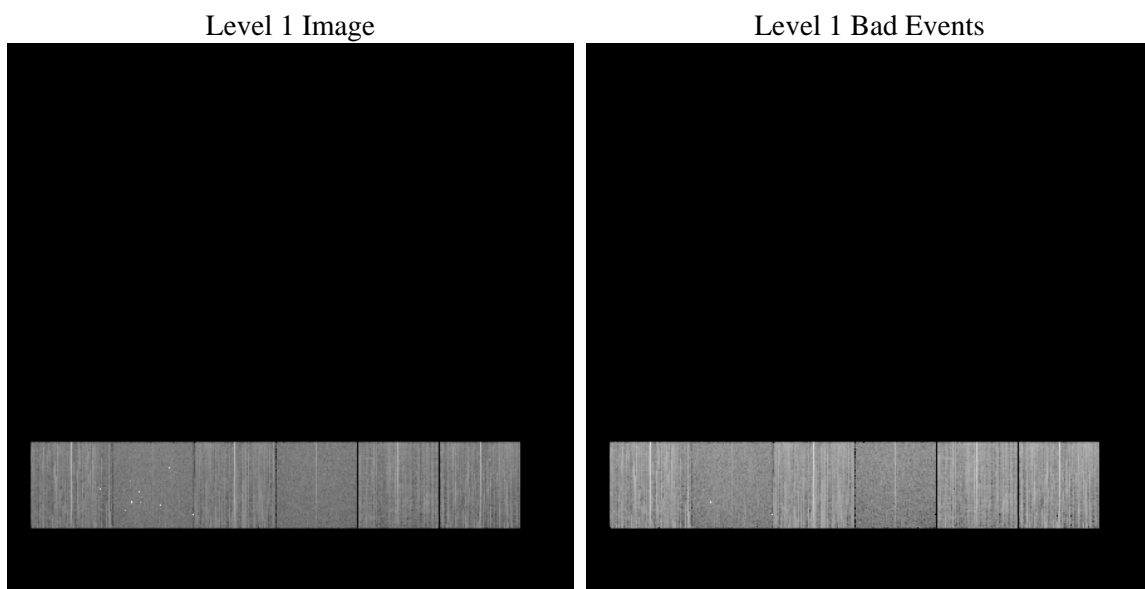
1 Front

seq_num	 	Sequence number
obs_id	52020	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	154.99661353258	Nominal RA [deg]
dec_nom	19.971850354347	Nominal Dec [deg]
roll_nom	228.20950928815	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8248.9806784391	Sum of GTIs [s]
livetime	8144.5271181489	Livetime [s]
ontime4	8248.8575583696	Sum of GTIs [s]
ontime5	8248.9396383762	Sum of GTIs [s]
ontime6	8248.8985984325	Sum of GTIs [s]
ontime7	8248.9806784391	Sum of GTIs [s]
ontime8	8248.8165184259	Sum of GTIs [s]
ontime9	8249.0217183828	Sum of GTIs [s]
l2events	175254	Number of level 2 events

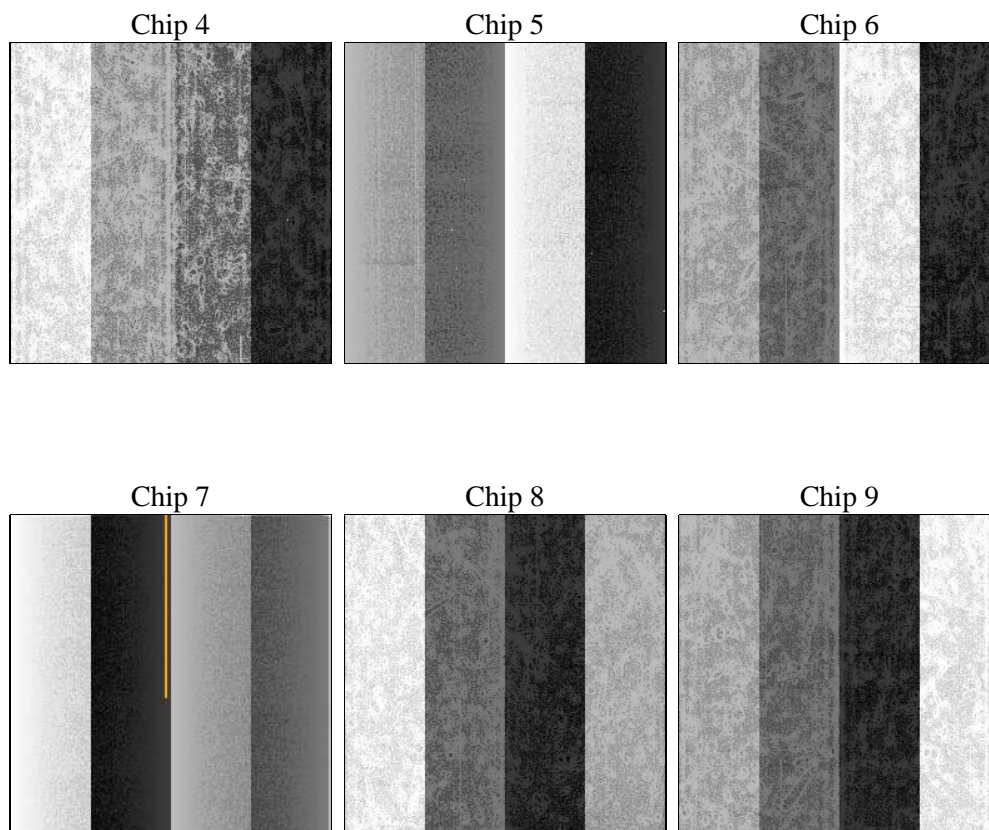
2 OBI

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	10.3.3	Processing system revision	ontime	8248.9806784391	Sum of GTIs [s]
caldsver	4.6.7	 	ontime4	8248.8575583696	Sum of GTIs [s]
date	2015-03-14T06:04:22	Date and time of file creation	ontime5	8248.9396383762	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8248.8985984325	Sum of GTIs [s]
			ontime7	8248.9806784391	Sum of GTIs [s]
			ontime8	8248.8165184259	Sum of GTIs [s]
			ontime9	8249.0217183828	Sum of GTIs [s]
			l1events	828064	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	144153	129049	148289	110344	149919	146310	grade 0 events	14043	11451	10152	5550	13178	10506
rejected events	119332	69245	125333	64672	118608	124080		9%	8%	6%	5%	8%	7%
rejected %	82%	53%	84%	58%	79%	84%	grade 1 events	100	475	48	64	70	64
								0%	0%	0%	0%	0%	0%
							grade 2 events	4438	19461	5607	11322	6840	4786
								3%	15%	3%	10%	4%	3%
							grade 3 events	1568	2368	1425	3436	2456	1498
								1%	1%	0%	3%	1%	1%
							grade 4 events	1667	1799	1342	3228	2366	1496
								1%	1%	0%	2%	1%	1%
							grade 5 events	2993	5337	2553	6471	3700	3157
								2%	4%	1%	5%	2%	2%
							grade 6 events	3114	24749	4437	22150	6482	3953
								2%	19%	2%	20%	4%	2%
							grade 7 events	116230	63409	122725	58123	114827	120850
								80%	49%	82%	52%	76%	82%

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	154.9966135325752	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	19.97185035434668	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	228.2095092881511	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	542621631.383837	542621630.35884			
Observation start date	2015-03-13T08:13:51	2015-03-13T08:13:50			
[s] Observation end time (MET)	542647678.685294	542647677.66029			
Observation end date	2015-03-13T15:27:59	2015-03-13T15:27:57			
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)	2015.03.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2489806784391

A.2 Comments