

V&V Reference Report

L2 ASCDS Version : 10.2.2

Observation 52740 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jun 1 2014

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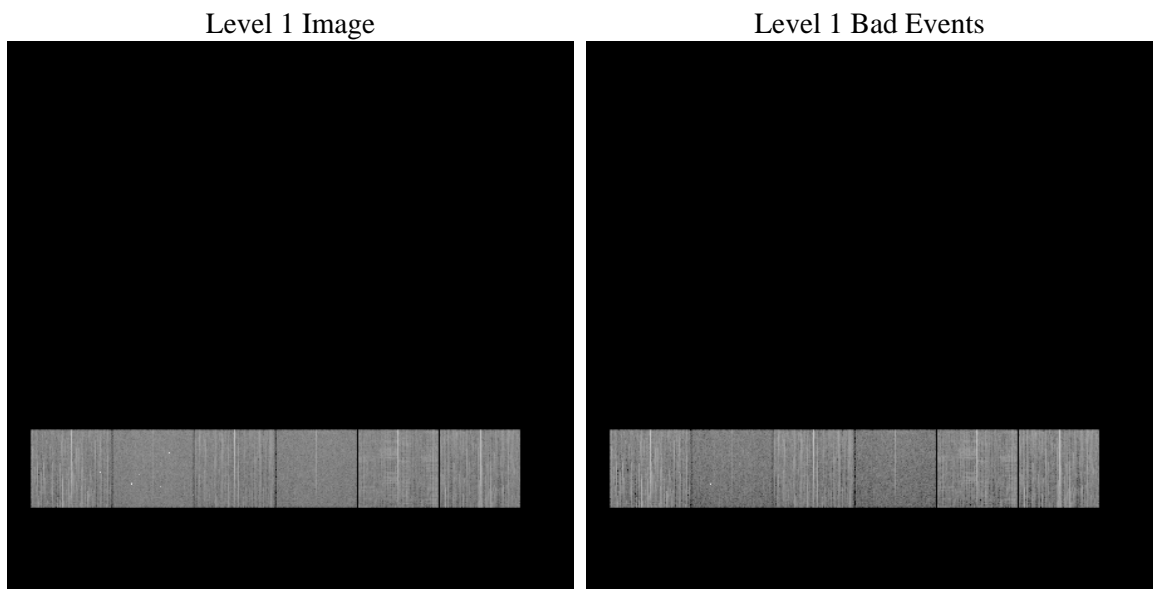
1 Front

seq_num	 	Sequence number
obs_id	52740	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	247.46028304324	Nominal RA [deg]
dec_nom	-43.45152871904	Nominal Dec [deg]
roll_nom	318.67229021855	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8166.3999696374	Sum of GTIs [s]
livetime	8062.9920960061	Livetime [s]
ontime4	8166.3999696374	Sum of GTIs [s]
ontime5	8166.3999696374	Sum of GTIs [s]
ontime6	8166.3999696374	Sum of GTIs [s]
ontime7	8166.3999696374	Sum of GTIs [s]
ontime8	8166.3999696374	Sum of GTIs [s]
ontime9	8166.3999696374	Sum of GTIs [s]
l2events	198041	Number of level 2 events

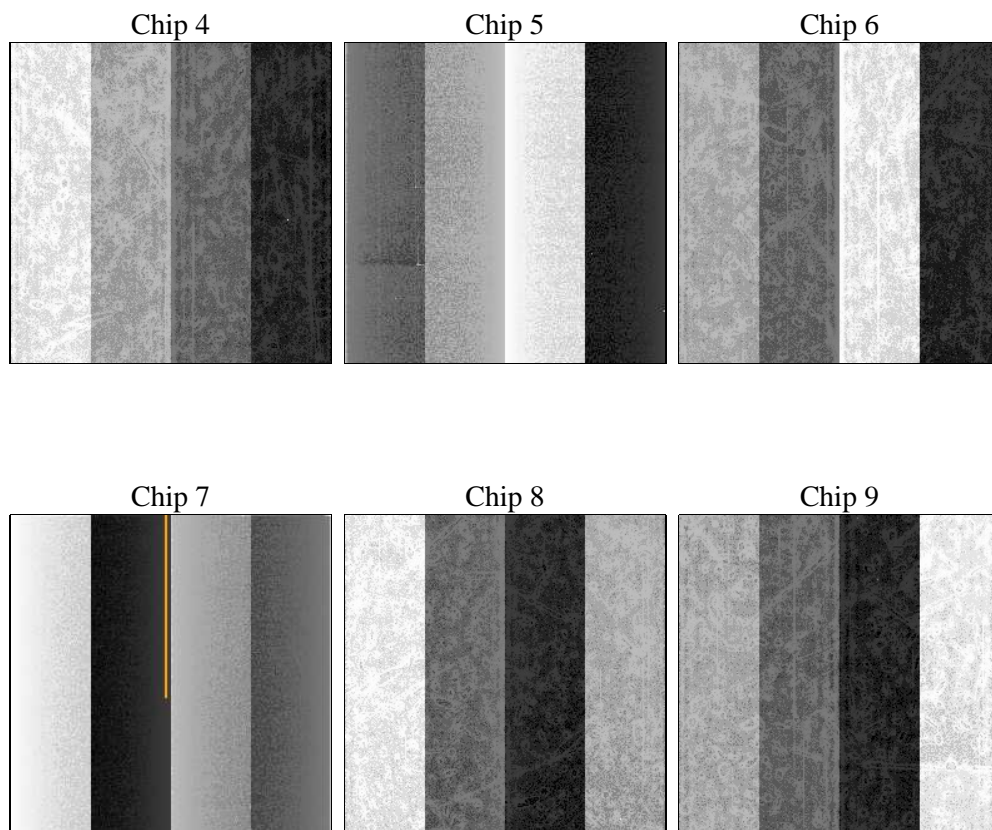
2 OBI

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	10.2.2	Processing system revision	ontime	8166.3999696374	Sum of GTIs [s]
caldsver	4.6.1	 	ontime4	8166.3999696374	Sum of GTIs [s]
date	2014-06-01T17:03:23	Date and time of file creation	ontime5	8166.3999696374	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8166.3999696374	Sum of GTIs [s]
			ontime7	8166.3999696374	Sum of GTIs [s]
			ontime8	8166.3999696374	Sum of GTIs [s]
			ontime9	8166.3999696374	Sum of GTIs [s]
			l1events	810248	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	143632	126360	137926	113883	143522	144925	grade 0 events	15667	7332	13291	7362	15844	13248
rejected events	115930	70462	110936	63653	108327	118708		10%	5%	9%	6%	11%	9%
rejected %	80%	55%	80%	55%	75%	81%	grade 1 events	128	157	62	85	73	64
								0%	0%	0%	0%	0%	0%
							grade 2 events	5127	20412	5581	12383	7375	5270
								3%	16%	4%	10%	5%	3%
							grade 3 events	1880	1917	1867	4217	2797	1803
								1%	1%	1%	3%	1%	1%
							grade 4 events	1847	1825	1813	4253	2703	1870
								1%	1%	1%	3%	1%	1%
							grade 5 events	2904	6157	3018	7332	3793	3244
								2%	4%	2%	6%	2%	2%
							grade 6 events	3575	25224	4821	22795	6982	4452
								2%	19%	3%	20%	4%	3%
							grade 7 events	112504	63336	107473	55456	103955	114974
								78%	50%	77%	48%	72%	79%

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	247.4602830432391
[deg] Pointing Dec	0	-43.45152871903951
[deg] Pointing Roll	0.0	318.6722902185524
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)	517948373.26179	517948373.26179
Observation start date	2014-05-31T18:32:53	2014-05-31T18:32:53
[s] Observation end time (MET)	517957922.371557	517957922.371557
Observation end date	2014-05-31T21:12:02	2014-05-31T21:12:02
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2014.06.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1663999696374

A.2 Comments