

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 52639 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jul 14 2014

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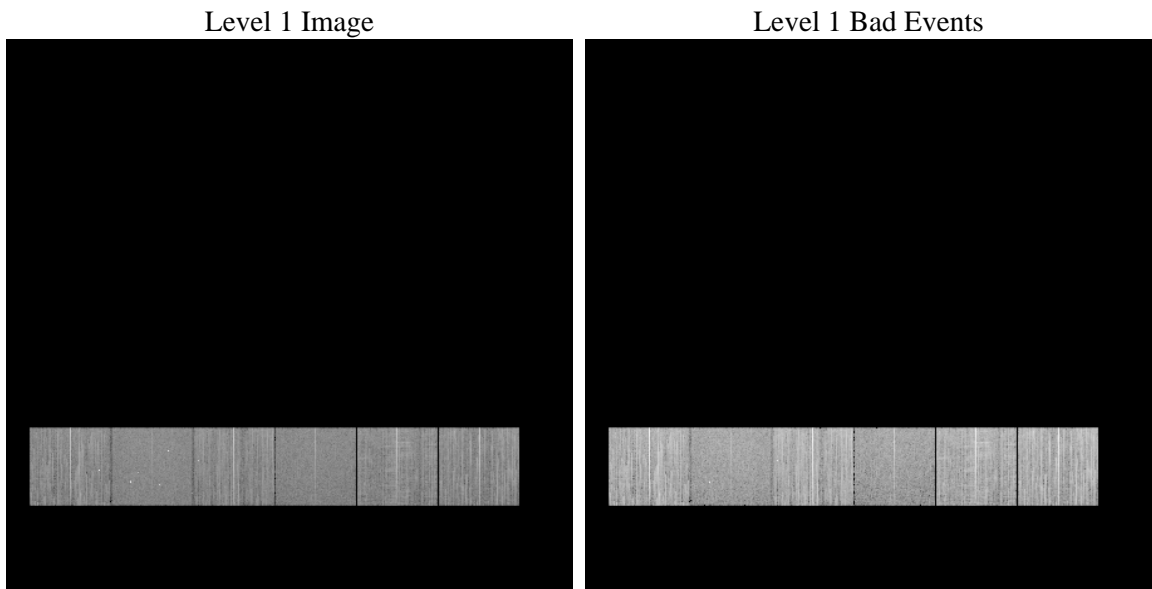
1 Front

seq_num	 	Sequence number
obs_id	52639	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	169.91773905573	Nominal RA [deg]
dec_nom	3.4096328538673	Nominal Dec [deg]
roll_nom	246.52113367786	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8460.5756703615	Sum of GTIs [s]
livetime	8353.4427668763	Livetime [s]
ontime4	8460.4525503516	Sum of GTIs [s]
ontime5	8460.5346303582	Sum of GTIs [s]
ontime6	8460.4935903549	Sum of GTIs [s]
ontime7	8460.5756703615	Sum of GTIs [s]
ontime8	8460.4115103483	Sum of GTIs [s]
ontime9	8460.6167103648	Sum of GTIs [s]
l2events	203561	Number of level 2 events

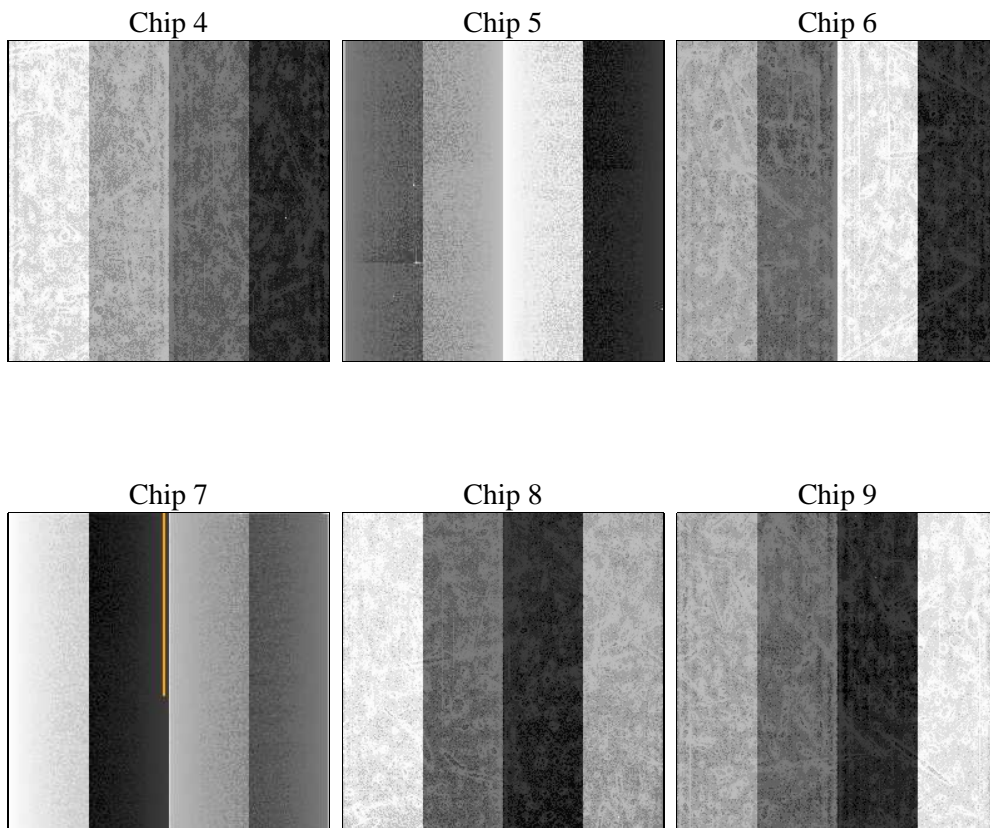
2 OBI

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	10.2.4	Processing system revision	ontime	8460.5756703615	Sum of GTIs [s]
caldbver	4.6.2	 	ontime4	8460.4525503516	Sum of GTIs [s]
date	2014-07-14T06:53:53	Date and time of file creation	ontime5	8460.5346303582	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8460.4935903549	Sum of GTIs [s]
			ontime7	8460.5756703615	Sum of GTIs [s]
			ontime8	8460.4115103483	Sum of GTIs [s]
			ontime9	8460.6167103648	Sum of GTIs [s]
			l1events	830713	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	144898	129410	142340	118259	145644	150162	grade 0 events	15703	7605	13153	6916	15822	13043
rejected events	116563	70803	114906	66501	109809	123514		10%	5%	9%	5%	10%	8%
rejected %	80%	54%	80%	56%	75%	82%	grade 1 events	114	371	69	78	76	92
								0%	0%	0%	0%	0%	0%
							grade 2 events	5137	20958	5860	12760	7382	5355
								3%	16%	4%	10%	5%	3%
							grade 3 events	1959	2066	1811	4229	2854	1865
								1%	1%	1%	3%	1%	1%
							grade 4 events	1886	2021	1834	4146	2738	1890
								1%	1%	1%	3%	1%	1%
							grade 5 events	3171	6207	3058	7400	3985	3535
								2%	4%	2%	6%	2%	2%
							grade 6 events	3661	25973	4782	23727	7045	4503
								2%	20%	3%	20%	4%	2%
							grade 7 events	113267	64209	111773	59003	105742	119879
								78%	49%	78%	49%	72%	79%

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	169.9177390557334	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	3.409632853867261	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	246.5211336778621	[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)	521637778.965912	521637777.94091			
Observation start date	2014-07-13T11:22:59	2014-07-13T11:22:57			
[s] Observation end time (MET)	521648719.816518	521648718.79152			
Observation end date	2014-07-13T14:25:20	2014-07-13T14:25:18			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2014.07.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4605756703615

A.2 Comments