

V&V Reference Report

L2 ASCDS Version : 10.3.3

Observation 51973 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Apr 1 2015

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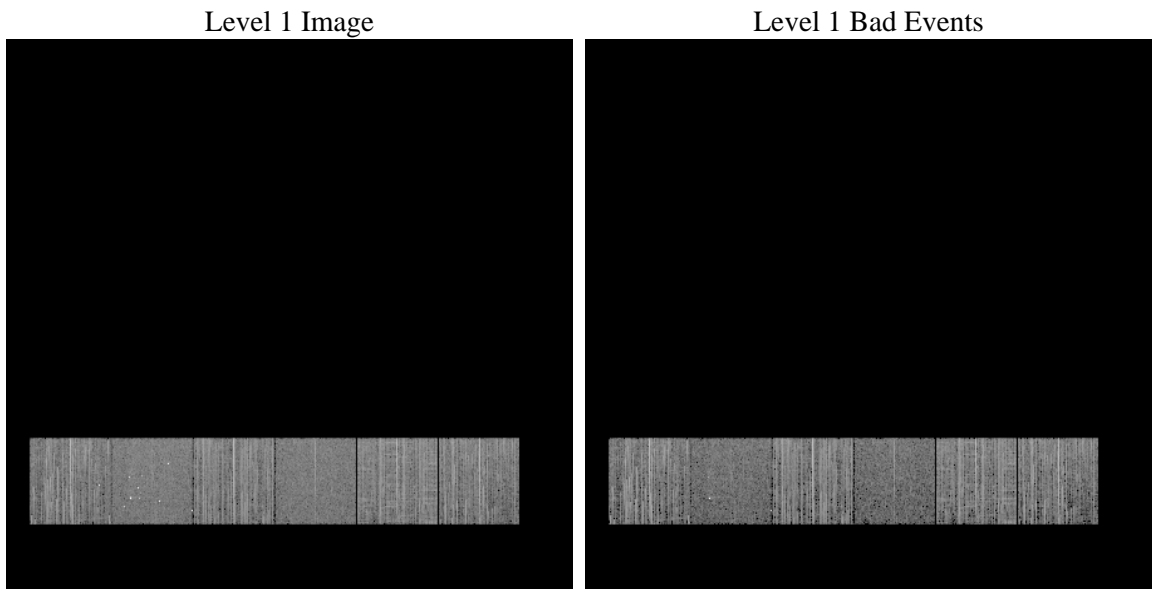
1 Front

seq_num	 	Sequence number
obs_id	51973	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	215.02096996469	Nominal RA [deg]
dec_nom	3.7491424325852	Nominal Dec [deg]
roll_nom	107.9191271535	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4149.0043691397	Sum of GTIs [s]
livetime	4096.4671775871	Livetime [s]
ontime4	4148.8812490702	Sum of GTIs [s]
ontime5	4148.9633290768	Sum of GTIs [s]
ontime6	4148.9222891331	Sum of GTIs [s]
ontime7	4149.0043691397	Sum of GTIs [s]
ontime8	4148.8402091265	Sum of GTIs [s]
ontime9	4149.0454090834	Sum of GTIs [s]
l2events	85605	Number of level 2 events

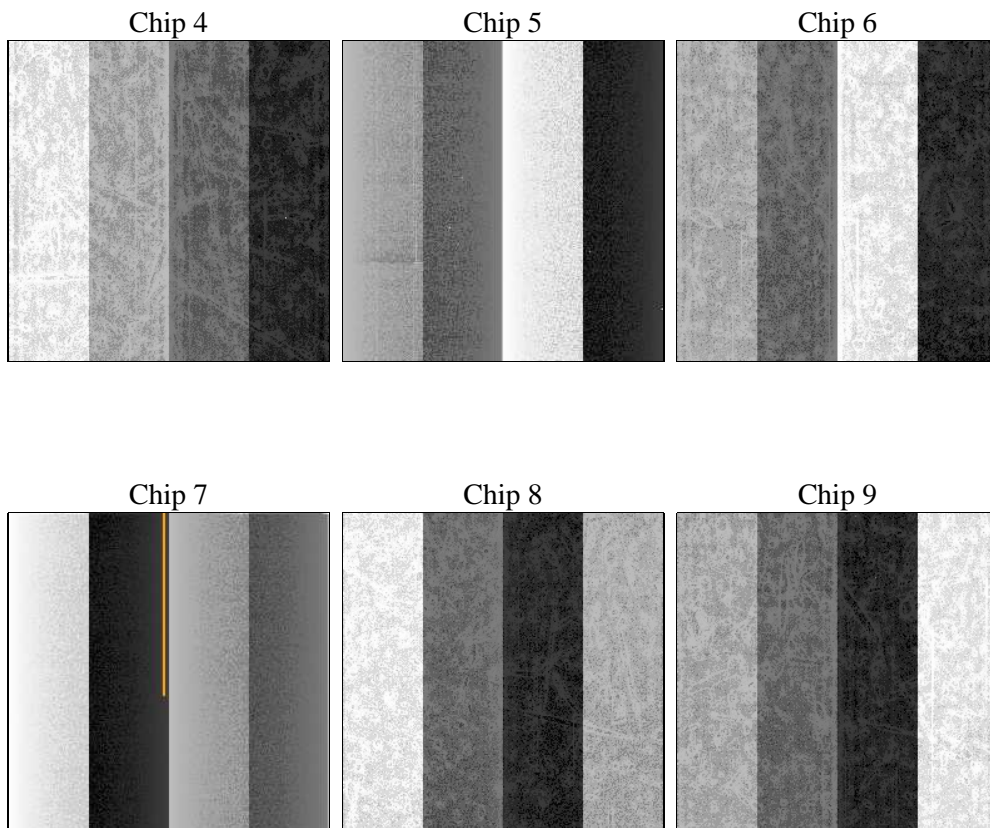
2 OBI

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	10.3.3	Processing system revision	ontime	4149.0043691397	Sum of GTIs [s]
caldsver	4.6.7	 	ontime4	4148.8812490702	Sum of GTIs [s]
date	2015-04-01T18:09:57	Date and time of file creation	ontime5	4148.9633290768	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	4148.9222891331	Sum of GTIs [s]
			ontime7	4149.0043691397	Sum of GTIs [s]
			ontime8	4148.8402091265	Sum of GTIs [s]
			ontime9	4149.0454090834	Sum of GTIs [s]
			l1events	398361	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	69002	63475	71134	53208	75322	66220	grade 0 events	6692	5970	5057	2579	6292	5381
rejected events	56953	34334	59698	31140	60118	55051		9%	9%	7%	4%	8%	8%
rejected %	82%	54%	83%	58%	79%	83%	grade 1 events	40	144	22	44	38	33
								0%	0%	0%	0%	0%	0%
							grade 2 events	2229	9533	2838	5534	3471	2329
								3%	15%	3%	10%	4%	3%
							grade 3 events	792	803	688	1566	1138	769
								1%	1%	0%	2%	1%	1%
							grade 4 events	811	938	732	1626	1140	736
								1%	1%	1%	3%	1%	1%
							grade 5 events	1378	2836	1289	3037	1797	1528
								1%	4%	1%	5%	2%	2%
							grade 6 events	1534	11926	2133	10781	3171	1962
								2%	18%	2%	20%	4%	2%
							grade 7 events	55526	31325	58375	28041	58275	53482
								80%	49%	82%	52%	77%	80%

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	215.0209699646884
[deg] Pointing Dec	0	3.749142432585184
[deg] Pointing Roll	0.0	107.9191271534968
[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)	544261067.725624	544261066.7006201
Observation start date	2015-04-01T07:37:48	2015-04-01T07:37:46
[s] Observation end time (MET)	544268777.7760561	544268776.75106
Observation end date	2015-04-01T09:46:18	2015-04-01T09:46:16
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
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	Jen Lauer
V&V Date (YYYY-MM-DD)	2015.04.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.1490043691397

A.2 Comments