

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 54778 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Mar 19 2012

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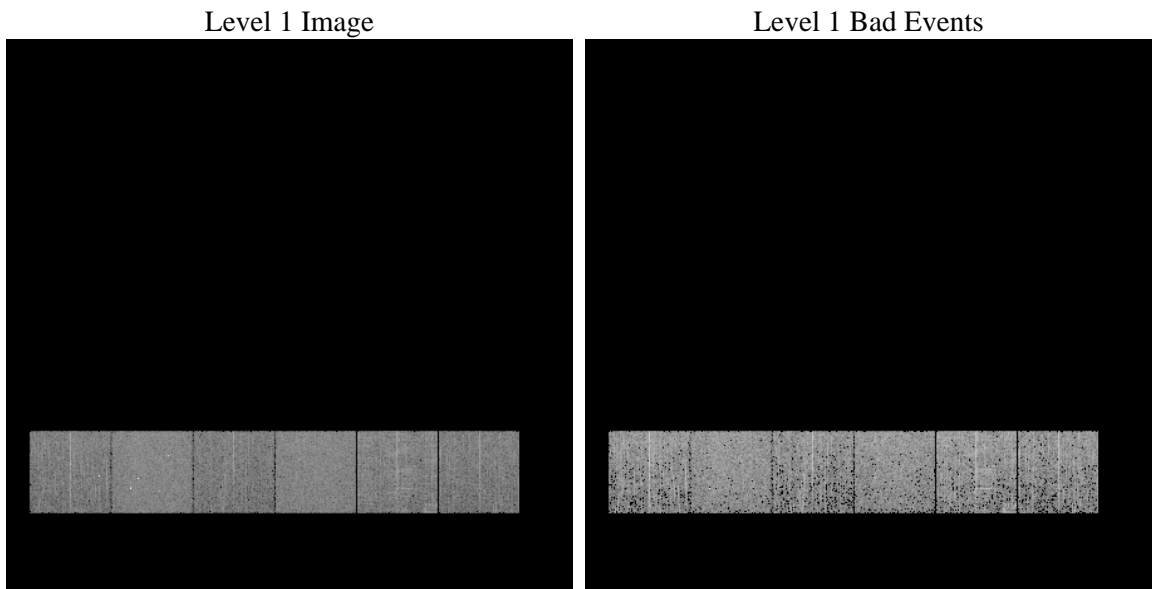
1 Front

seq_num	 	Sequence number
obs_id	54778	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	309.998725109	Nominal RA [deg]
dec_nom	42.028670568032	Nominal Dec [deg]
roll_nom	59.040616023557	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3288.8023922443	Sum of GTIs [s]
livetime	3247.1575960747	Livetime [s]
ontime4	3288.6792722344	Sum of GTIs [s]
ontime5	3288.761352241	Sum of GTIs [s]
ontime6	3288.7203122377	Sum of GTIs [s]
ontime7	3288.8023922443	Sum of GTIs [s]
ontime8	3288.6382322311	Sum of GTIs [s]
ontime9	3288.8434322476	Sum of GTIs [s]
l2events	113871	Number of level 2 events

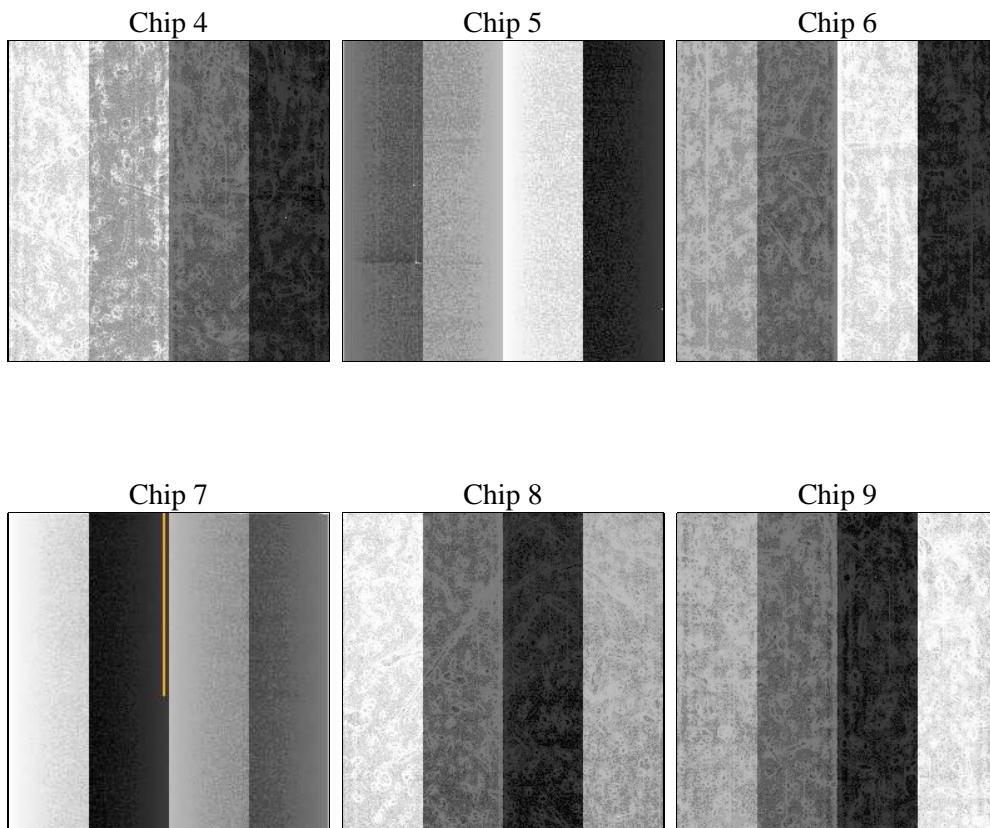
2 OBI

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	8.4.3	Processing system revision	ontime	3288.8023922443	Sum of GTIs [s]
caldsver	4.4.8	 	ontime4	3288.6792722344	Sum of GTIs [s]
date	2012-03-19T14:50:55	Date and time of file creation	ontime5	3288.761352241	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	3288.7203122377	Sum of GTIs [s]
			ontime7	3288.8023922443	Sum of GTIs [s]
			ontime8	3288.6382322311	Sum of GTIs [s]
			ontime9	3288.8434322476	Sum of GTIs [s]
			l1events	251293	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	38614	49735	35682	46628	44314	36320	grade 0 events	9965	4161	8777	4375	10048	8619
rejected events	21564	21321	18750	20142	23341	19705		25%	8%	24%	9%	22%	23%
rejected %	55%	42%	52%	43%	52%	54%	grade 1 events	73	55	47	33	43	39
								0%	0%	0%	0%	0%	0%
							grade 2 events	2674	10100	3130	5736	3884	3047
								6%	20%	8%	12%	8%	8%
							grade 3 events	1123	1101	1087	2415	1591	1096
								2%	2%	3%	5%	3%	3%
							grade 4 events	1150	1046	1090	2410	1541	1132
								2%	2%	3%	5%	3%	3%
							grade 5 events	1215	2801	1264	3177	1697	1413
								3%	5%	3%	6%	3%	3%
							grade 6 events	2138	12006	2848	11550	3909	2721
								5%	24%	7%	24%	8%	7%
							grade 7 events	20276	18465	17439	16932	21601	18253
								52%	37%	48%	36%	48%	50%

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	309.9987251089987	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	42.02867056803217	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	59.04061602355665	[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)	448487242.676714	448487241.65171			
Observation start date	2012-03-18T19:47:23	2012-03-18T19:47:21			
[s] Observation end time (MET)	448496978.127231	448496977.10223			
Observation end date	2012-03-18T22:29:38	2012-03-18T22:29:37			
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)	2012.03.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2888023922443

A.2 Comments