

V&V Reference Report

L2 ASCDS Version : 10.1.1

Observation 53156 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Dec 16 2013

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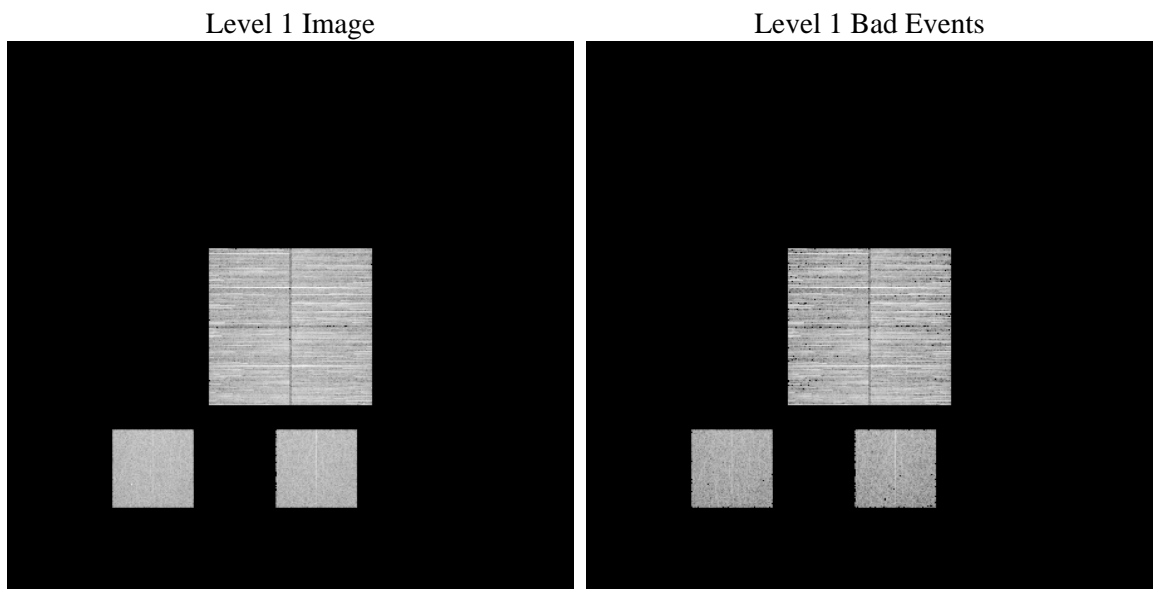
1 Front

seq_num	 	Sequence number
obs_id	53156	Observation id
title	ACIS-012357 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtycle	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	109.99832312129	Nominal RA [deg]
dec_nom	10.037463081848	Nominal Dec [deg]
roll_nom	58.532148048469	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5109.7216311097	Sum of GTIs [s]
livetime	5045.0192591116	Livetime [s]
ontime0	5109.6805911064	Sum of GTIs [s]
ontime1	5109.6395511031	Sum of GTIs [s]
ontime2	5109.5985110998	Sum of GTIs [s]
ontime3	5109.762671113	Sum of GTIs [s]
ontime5	5109.5574710965	Sum of GTIs [s]
ontime7	5109.7216311097	Sum of GTIs [s]
l2events	126843	Number of level 2 events

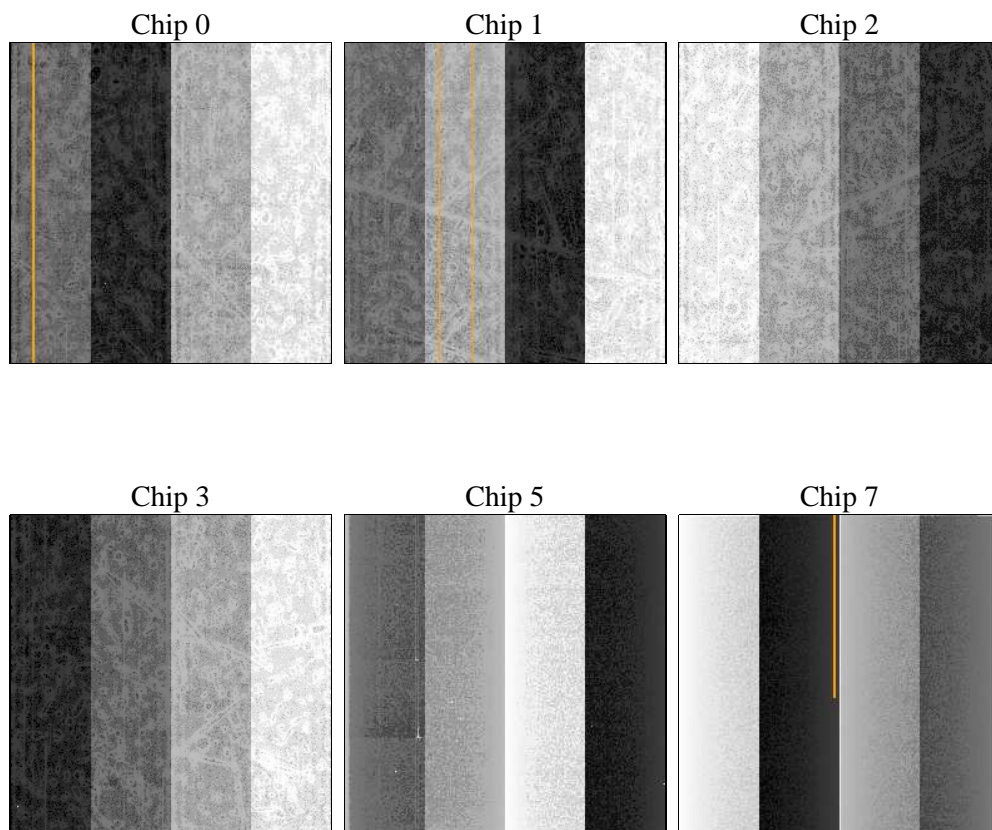
2 OBI

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	10.1.1	Processing system revision	ontime	5109.7216311097	Sum of GTIs [s]
caldsver	4.6.0	 	ontime0	5109.6805911064	Sum of GTIs [s]
date	2013-12-16T22:23:42	Date and time of file creation	ontime1	5109.6395511031	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	5109.5985110998	Sum of GTIs [s]
			ontime3	5109.762671113	Sum of GTIs [s]
			ontime5	5109.5574710965	Sum of GTIs [s]
			ontime7	5109.7216311097	Sum of GTIs [s]
			l1events	494078	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	81062	90598	88435	89906	73179	70898	grade 0 events	8408	7703	8794	9038	2390	4192
rejected events	63906	73256	71062	72216	40927	39608		10%	8%	9%	10%	3%	5%
rejected %	78%	80%	80%	80%	55%	55%	grade 1 events	42	37	43	47	81	41
								0%	0%	0%	0%	0%	0%
							grade 2 events	3809	4492	3559	3690	12073	7722
								4%	4%	4%	4%	16%	10%
							grade 3 events	1117	1036	1212	1181	919	2383
								1%	1%	1%	1%	1%	3%
							grade 4 events	1099	1025	1187	1162	965	2370
								1%	1%	1%	1%	1%	3%
							grade 5 events	1536	1485	1436	1706	3008	3910
								1%	1%	1%	1%	4%	5%
							grade 6 events	2723	3086	2621	2619	15905	14623
								3%	3%	2%	2%	21%	20%
							grade 7 events	62328	71734	69583	70463	37838	35657
								76%	79%	78%	78%	51%	50%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012357	ACIS-012357	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	109.9983231212887	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	10.0374630818476	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	58.53214804846895	[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)	503586486.570738	503586485.54574			
Observation start date	2013-12-16T13:08:07	2013-12-16T13:08:05			
[s] Observation end time (MET)	503593413.521119	503593412.49612			
Observation end date	2013-12-16T15:03:34	2013-12-16T15:03:32			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2013.12.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.1097216311097

A.2 Comments