

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 54067 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Dec 27 2012

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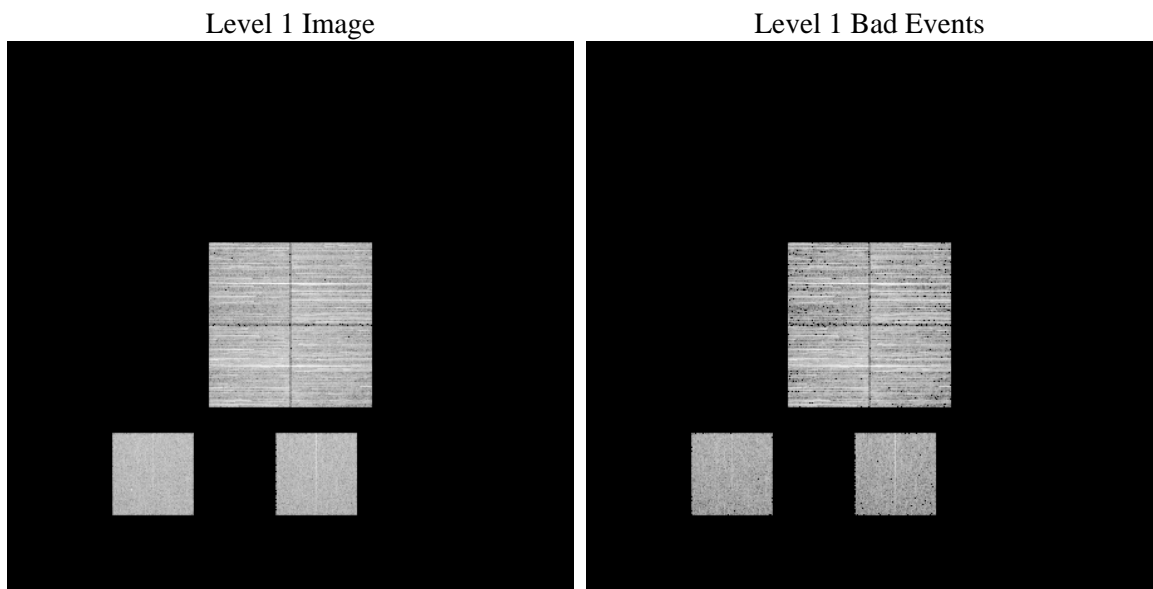
1 Front

seq_num	 	Sequence number
obs_id	54067	Observation id
title	ACIS-012357 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	93.030070798464	Nominal RA [deg]
dec_nom	-1.784946769242	Nominal Dec [deg]
roll_nom	353.48402482799	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3913.4890957475	Sum of GTIs [s]
livetime	3863.9341403969	Livetime [s]
ontime0	3913.4480557442	Sum of GTIs [s]
ontime1	3913.4070157409	Sum of GTIs [s]
ontime2	3913.3659757376	Sum of GTIs [s]
ontime3	3913.5301357508	Sum of GTIs [s]
ontime5	3913.3249357343	Sum of GTIs [s]
ontime7	3913.4890957475	Sum of GTIs [s]
l2events	121323	Number of level 2 events

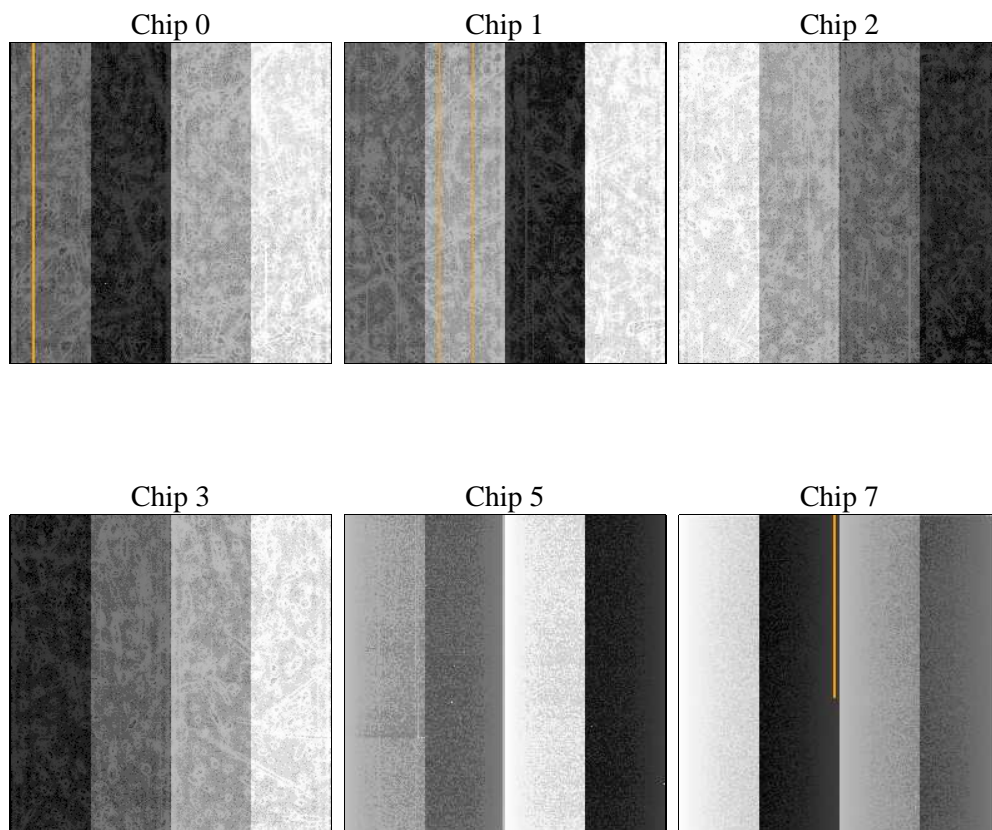
2 OBI

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	8.5.1.1	Processing system revision	ontime	3913.4890957475	Sum of GTIs [s]
caldsver	4.5.5	 	ontime0	3913.4480557442	Sum of GTIs [s]
date	2012-12-27T17:14:08	Date and time of file creation	ontime1	3913.4070157409	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	3913.3659757376	Sum of GTIs [s]
			ontime3	3913.5301357508	Sum of GTIs [s]
			ontime5	3913.3249357343	Sum of GTIs [s]
			ontime7	3913.4890957475	Sum of GTIs [s]
			l1events	446759	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	68905	81597	88372	76250	67387	64248	grade 0 events	8872	8695	8978	8975	3168	4615
rejected events	51884	64523	71419	59191	36469	34070		12%	10%	10%	11%	4%	7%
rejected %	75%	79%	80%	77%	54%	53%	grade 1 events	43	46	48	52	75	44
								0%	0%	0%	0%	0%	0%
							grade 2 events	3423	3628	3189	3263	11655	7434
								4%	4%	3%	4%	17%	11%
							grade 3 events	1089	1082	1162	1169	1066	2358
								1%	1%	1%	1%	1%	3%
							grade 4 events	1052	1077	1141	1168	986	2379
								1%	1%	1%	1%	1%	3%
							grade 5 events	1491	1395	1418	1588	3016	3756
								2%	1%	1%	2%	4%	5%
							grade 6 events	2632	2623	2509	2542	14086	13459
								3%	3%	2%	3%	20%	20%
							grade 7 events	50303	63051	69927	57493	33335	30203
								73%	77%	79%	75%	49%	47%

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	93.03007079846384	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-1.784946769241988	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	353.4840248279884	[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)	472959833.405865	472959832.38087			
Observation start date	2012-12-27T01:43:53	2012-12-27T01:43:52			
[s] Observation end time (MET)	472967543.456281	472967542.43128			
Observation end date	2012-12-27T03:52:23	2012-12-27T03:52:22			
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)	2012.12.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.9134890957475

A.2 Comments