

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 54162 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Nov 15 2012

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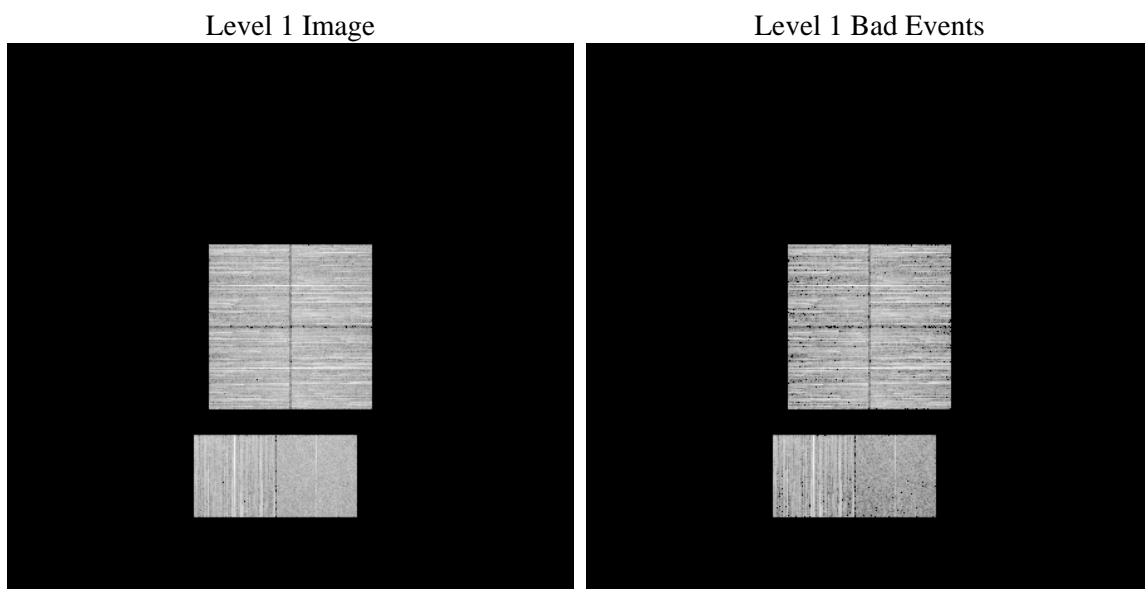
1 Front

seq_num	 	Sequence number
obs_id	54162	Observation id
title	ACIS-012367 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	50.466552673197	Nominal RA [deg]
dec_nom	43.284672770034	Nominal Dec [deg]
roll_nom	179.29026572913	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4188.5584141016	Sum of GTIs [s]
livetime	4135.5203654152	Livetime [s]
ontime0	4188.5173740983	Sum of GTIs [s]
ontime1	4188.476334095	Sum of GTIs [s]
ontime2	4188.4352940917	Sum of GTIs [s]
ontime3	4188.5994541049	Sum of GTIs [s]
ontime6	4188.3942540884	Sum of GTIs [s]
ontime7	4188.5584141016	Sum of GTIs [s]
l2events	117350	Number of level 2 events

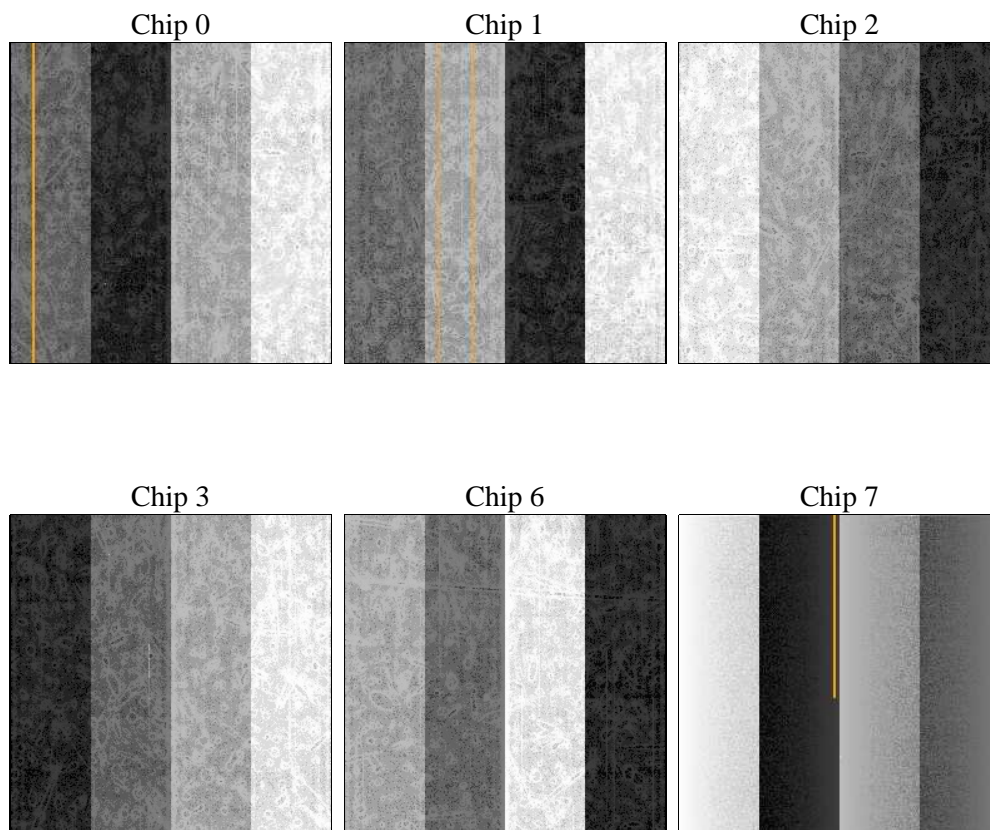
2 OBI

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	8.4.5	Processing system revision	ontime	4188.5584141016	Sum of GTIs [s]
caldbver	4.5.2	 	ontime0	4188.5173740983	Sum of GTIs [s]
date	2012-11-15T05:37:27	Date and time of file creation	ontime1	4188.476334095	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	4188.4352940917	Sum of GTIs [s]
			ontime3	4188.5994541049	Sum of GTIs [s]
			ontime6	4188.3942540884	Sum of GTIs [s]
			ontime7	4188.5584141016	Sum of GTIs [s]
			l1events	489600	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	81148	88805	84058	87045	81978	66566	grade 0 events	9298	9089	9475	9614	9573	4909
rejected events	62938	70416	65936	68775	63036	34302		11%	10%	11%	11%	11%	7%
rejected %	77%	79%	78%	79%	76%	51%	grade 1 events	66	53	45	53	45	51
								0%	0%	0%	0%	0%	0%
							grade 2 events	3698	3742	3427	3404	3768	7778
								4%	4%	4%	3%	4%	11%
							grade 3 events	1275	1285	1251	1253	1271	2664
								1%	1%	1%	1%	1%	4%
							grade 4 events	1237	1241	1256	1249	1186	2667
								1%	1%	1%	1%	1%	4%
							grade 5 events	1521	1473	1442	1606	1605	3893
								1%	1%	1%	1%	1%	5%
							grade 6 events	2723	3045	2731	2771	3158	14258
								3%	3%	3%	3%	3%	21%
							grade 7 events	61330	68877	64431	67095	61372	30346
								75%	77%	76%	77%	74%	45%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	50.46655267319673	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	43.28467277003376	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	179.2902657291317	[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)	469306964.859243	469306963.83424			
Observation start date	2012-11-14T19:02:45	2012-11-14T19:02:43			
[s] Observation end time (MET)	469313041.059569	469313040.03457			
Observation end date	2012-11-14T20:44:01	2012-11-14T20:44:00			
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)	2012.11.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.1885584141016

A.2 Comments