

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 54520 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jun 27 2012

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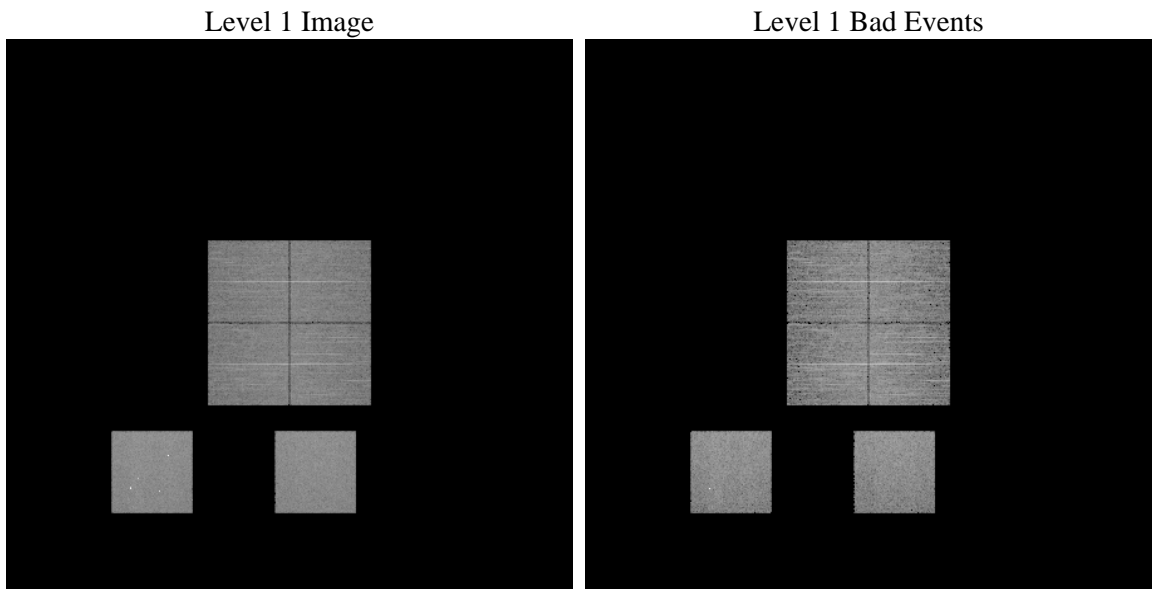
1 Front

seq_num	 	Sequence number
obs_id	54520	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	253.00398095619	Nominal RA [deg]
dec_nom	-14.428459477253	Nominal Dec [deg]
roll_nom	244.86374414695	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8286.9805610776	Sum of GTIs [s]
livetime	8182.0458233926	Livetime [s]
ontime0	8286.9395210743	Sum of GTIs [s]
ontime1	8286.898481071	Sum of GTIs [s]
ontime2	8286.8574410677	Sum of GTIs [s]
ontime3	8287.0216010809	Sum of GTIs [s]
ontime5	8286.8164010644	Sum of GTIs [s]
ontime7	8286.9805610776	Sum of GTIs [s]
l2events	280068	Number of level 2 events

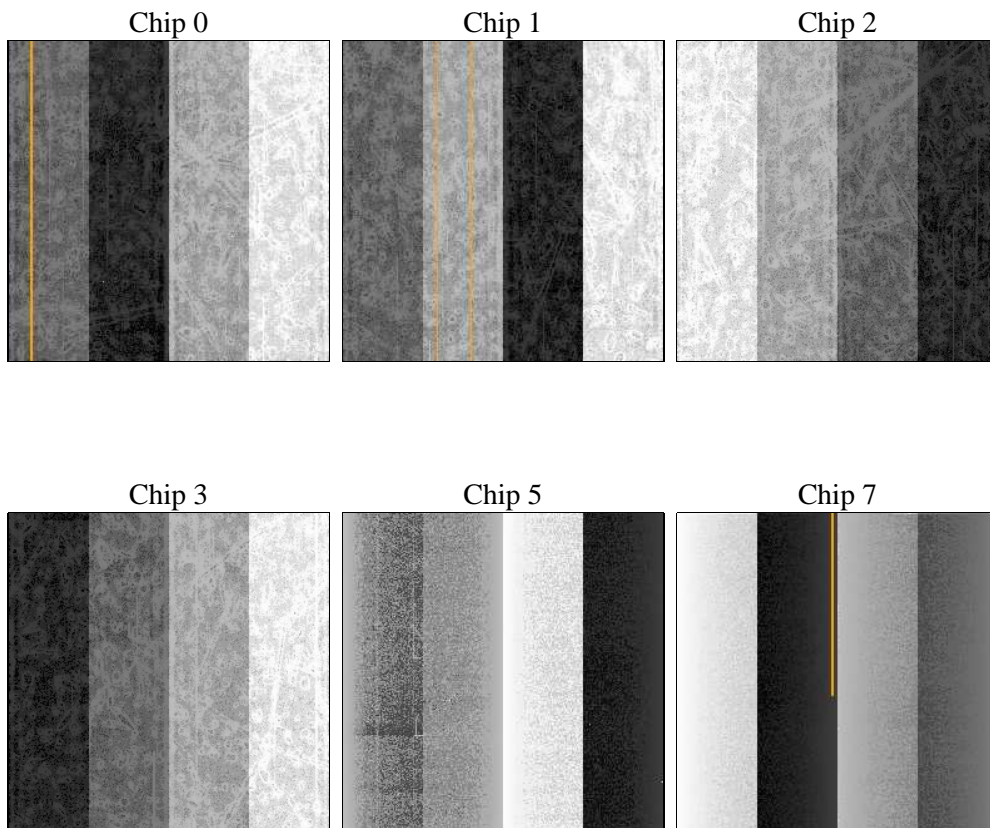
2 OBI

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	8286.9805610776	Sum of GTIs [s]
caldsver	4.5.0	 	ontime0	8286.9395210743	Sum of GTIs [s]
date	2012-06-28T02:26:03	Date and time of file creation	ontime1	8286.898481071	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8286.8574410677	Sum of GTIs [s]
			ontime3	8287.0216010809	Sum of GTIs [s]
			ontime5	8286.8164010644	Sum of GTIs [s]
			ontime7	8286.9805610776	Sum of GTIs [s]
			l1events	607639	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	85593	87461	89570	92607	130022	122386	grade 0 events	20451	20114	20943	21051	10619	10671
rejected events	46414	47668	50303	53106	56838	55493		23%	22%	23%	22%	8%	8%
rejected %	54%	54%	56%	57%	43%	45%	grade 1 events	114	118	123	126	122	120
								0%	0%	0%	0%	0%	0%
							grade 2 events	7244	7760	6932	6971	25897	14513
								8%	8%	7%	7%	19%	11%
							grade 3 events	2716	2661	2719	2746	2753	5969
								3%	3%	3%	2%	2%	4%
							grade 4 events	2706	2634	2742	2764	2633	5797
								3%	3%	3%	2%	2%	4%
							grade 5 events	3202	3203	3007	3522	7089	8592
								3%	3%	3%	3%	5%	7%
							grade 6 events	6062	6624	5931	5969	31282	29943
								7%	7%	6%	6%	24%	24%
							grade 7 events	43098	44347	47173	49458	49627	46781
								50%	50%	52%	53%	38%	38%

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	253.0039809561935	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-14.42845947725319	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	244.8637441469469	[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)	457194695.010691	457194693.98569			
Observation start date	2012-06-27T14:31:35	2012-06-27T14:31:33			
[s] Observation end time (MET)	457204875.311234	457204874.28623			
Observation end date	2012-06-27T17:21:15	2012-06-27T17:21:14			
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)	2012.06.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2869805610776

A.2 Comments