

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 54399 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Aug 20 2012

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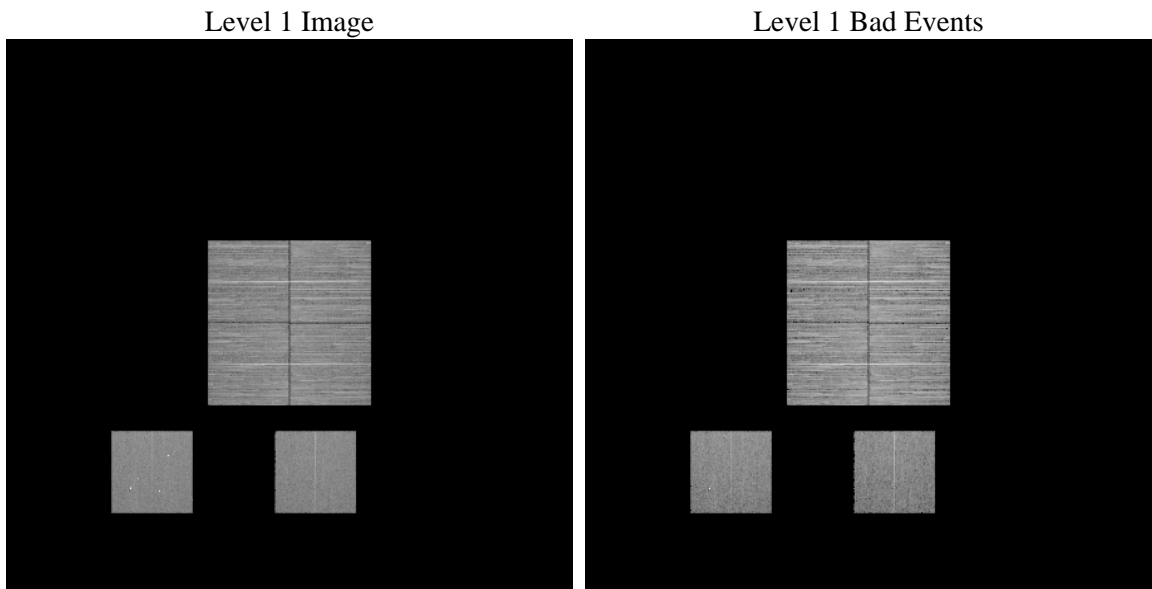
1 Front

seq_num	 	Sequence number
obs_id	54399	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	350.97730800546	Nominal RA [deg]
dec_nom	-1.9809665529012	Nominal Dec [deg]
roll_nom	116.94929663784	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8287.9999691844	Sum of GTIs [s]
livetime	8183.0523231401	Livetime [s]
ontime0	8287.9999691844	Sum of GTIs [s]
ontime1	8287.9999691844	Sum of GTIs [s]
ontime2	8287.9999691844	Sum of GTIs [s]
ontime3	8287.9999691844	Sum of GTIs [s]
ontime5	8287.9999691844	Sum of GTIs [s]
ontime7	8287.9999691844	Sum of GTIs [s]
l2events	276198	Number of level 2 events

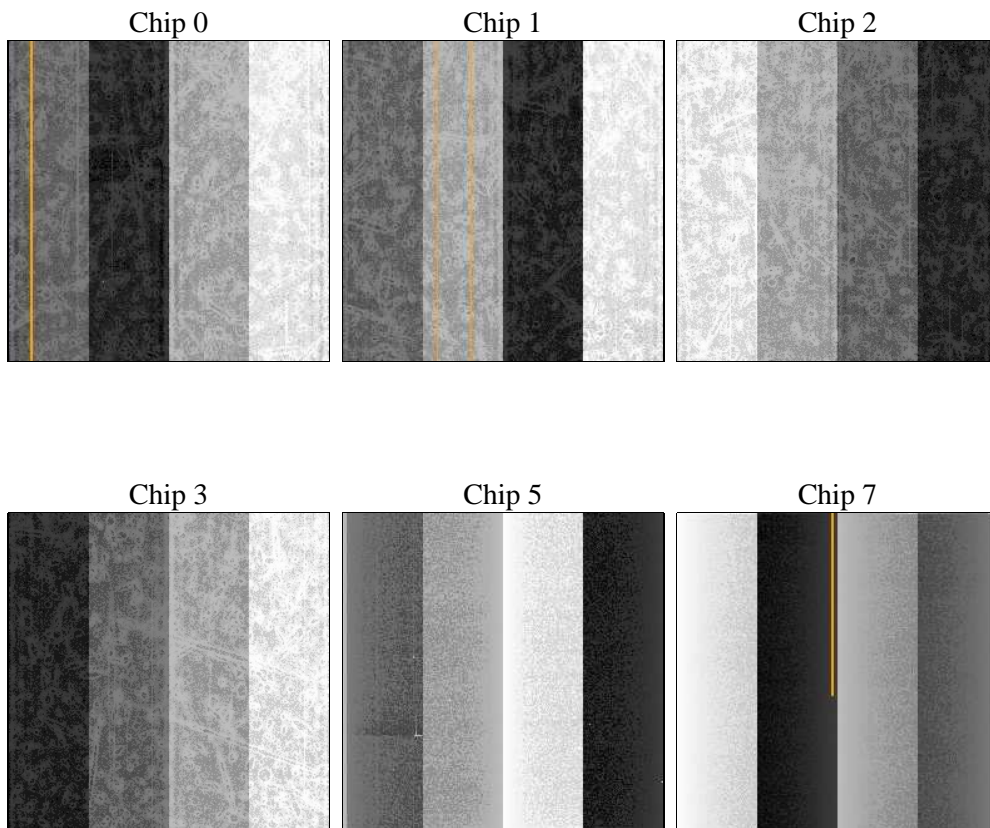
2 OBI

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	8287.9999691844	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime0	8287.9999691844	Sum of GTIs [s]
date	2012-08-20T16:57:26	Date and time of file creation	ontime1	8287.9999691844	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8287.9999691844	Sum of GTIs [s]
			ontime3	8287.9999691844	Sum of GTIs [s]
			ontime5	8287.9999691844	Sum of GTIs [s]
			ontime7	8287.9999691844	Sum of GTIs [s]
			l1events	924228	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	151942	172106	160351	161650	144537	133642	grade 0 events	20217	19790	20782	20801	11418	10714
rejected events	112875	132679	121013	122134	72870	67321		13%	11%	12%	12%	7%	8%
rejected %	74%	77%	75%	75%	50%	50%	grade 1 events	101	88	94	126	147	102
								0%	0%	0%	0%	0%	0%
							grade 2 events	7611	7970	7442	7431	26432	16135
								5%	4%	4%	4%	18%	12%
							grade 3 events	2586	2486	2600	2738	2489	5660
								1%	1%	1%	1%	1%	4%
							grade 4 events	2510	2739	2568	2767	2518	5637
								1%	1%	1%	1%	1%	4%
							grade 5 events	2840	3018	2615	3215	6375	7887
								1%	1%	1%	1%	4%	5%
							grade 6 events	6143	6442	5946	5779	28810	28175
								4%	3%	3%	3%	19%	21%
							grade 7 events	109934	129573	118304	118793	66348	59332
								72%	75%	73%	73%	45%	44%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012357	ACIS-012357
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	350.9773080054567
[deg] Pointing Dec	0	-1.980966552901228
[deg] Pointing Roll	0.0	116.9492966378357
[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)	461734701.10311	461734700.07811
Observation start date	2012-08-19T03:38:21	2012-08-19T03:38:20
[s] Observation end time (MET)	461745740.353701	461745739.3287
Observation end date	2012-08-19T06:42:20	2012-08-19T06:42:19
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.08.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2879999691844

A.2 Comments