

V&V Reference Report

L2 ASCDS Version : 10

Observation 53587 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jul 6 2013

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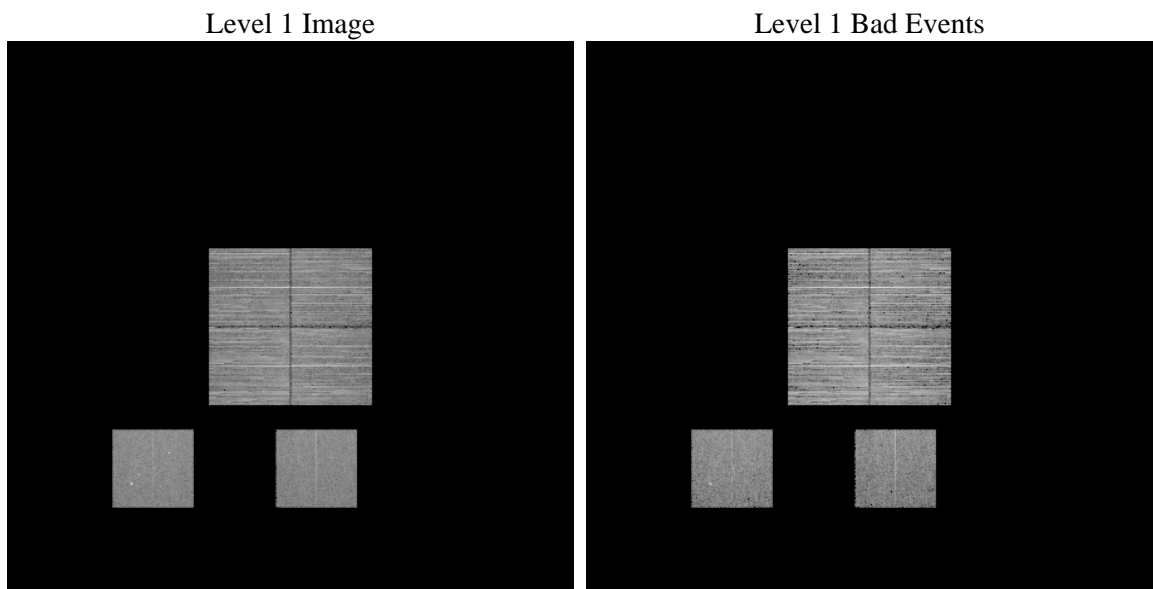
1 Front

seq_num	 	Sequence number
obs_id	53587	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	249.02091418152	Nominal RA [deg]
dec_nom	-31.022409206021	Nominal Dec [deg]
roll_nom	275.87727112961	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5739.8460124135	Sum of GTIs [s]
livetime	5667.164626084	Livetime [s]
ontime0	5739.8460124135	Sum of GTIs [s]
ontime1	5739.8066240549	Sum of GTIs [s]
ontime2	5739.7655840516	Sum of GTIs [s]
ontime3	5739.8460124135	Sum of GTIs [s]
ontime5	5739.7245440483	Sum of GTIs [s]
ontime7	5739.8460124135	Sum of GTIs [s]
l2events	159263	Number of level 2 events

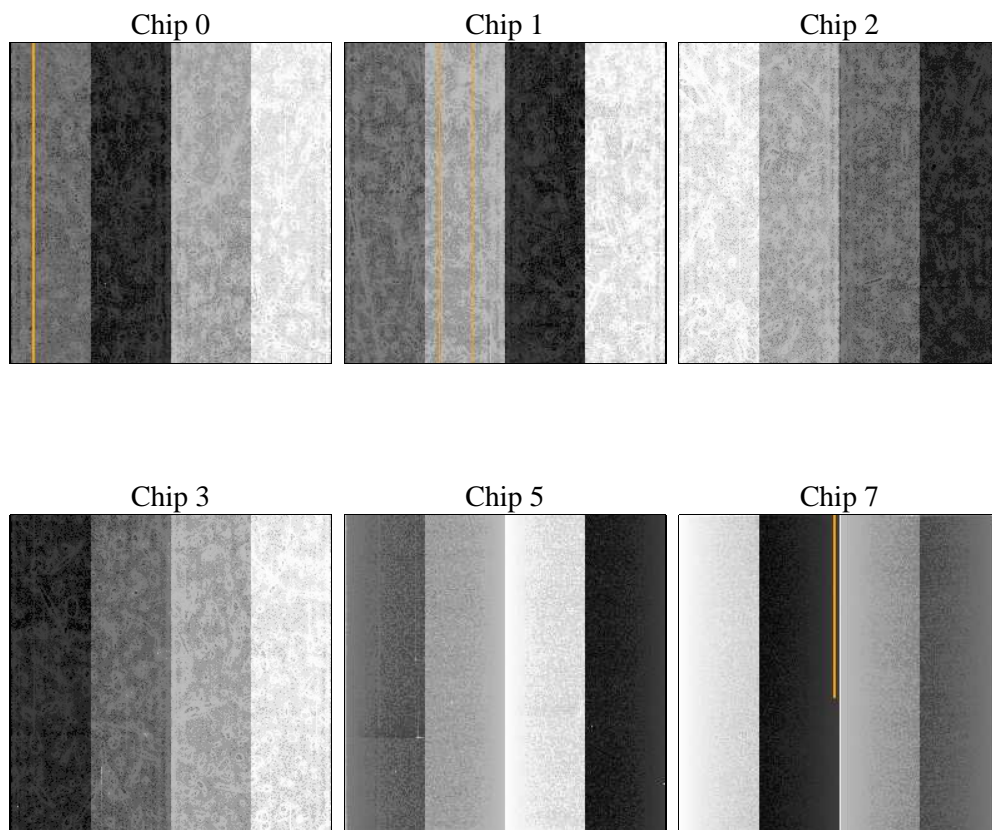
2 OBI

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	Processing system revision	ontime	5739.8460124135	Sum of GTIs [s]
caldbver	4.5.7	 	ontime0	5739.8460124135	Sum of GTIs [s]
date	2013-07-06T18:02:40	Date and time of file creation	ontime1	5739.8066240549	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	5739.7655840516	Sum of GTIs [s]
			ontime3	5739.8460124135	Sum of GTIs [s]
			ontime5	5739.7245440483	Sum of GTIs [s]
			ontime7	5739.8460124135	Sum of GTIs [s]
			l1events	570621	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	94728	93723	108696	98556	91253	83665	grade 0 events	11203	10688	11398	11489	5170	5834
rejected events	72990	72016	86927	76622	48472	44433		11%	11%	10%	11%	5%	6%
rejected %	77%	76%	79%	77%	53%	53%	grade 1 events	55	53	61	60	86	44
								0%	0%	0%	0%	0%	0%
							grade 2 events	4277	4481	4112	4103	15830	9567
								4%	4%	3%	4%	17%	11%
							grade 3 events	1437	1530	1471	1531	1562	3188
								1%	1%	1%	1%	1%	3%
							grade 4 events	1493	1508	1502	1517	1534	3263
								1%	1%	1%	1%	1%	3%
							grade 5 events	1916	1969	1881	2084	4268	5051
								2%	2%	1%	2%	4%	6%
							grade 6 events	3328	3500	3286	3294	18685	17380
								3%	3%	3%	3%	20%	20%
							grade 7 events	71019	69994	84985	74478	44118	39338
								74%	74%	78%	75%	48%	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	249.0209141815166	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-31.0224092060208	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	275.8772711296069	[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)	489414928.046378	489414927.02138			
Observation start date	2013-07-05T12:35:28	2013-07-05T12:35:27			
[s] Observation end time (MET)	489423386.346838	489423385.32184			
Observation end date	2013-07-05T14:56:26	2013-07-05T14:56:25			
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)	2013.07.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.7398460124135

A.2 Comments