

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 52587 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Aug 3 2014

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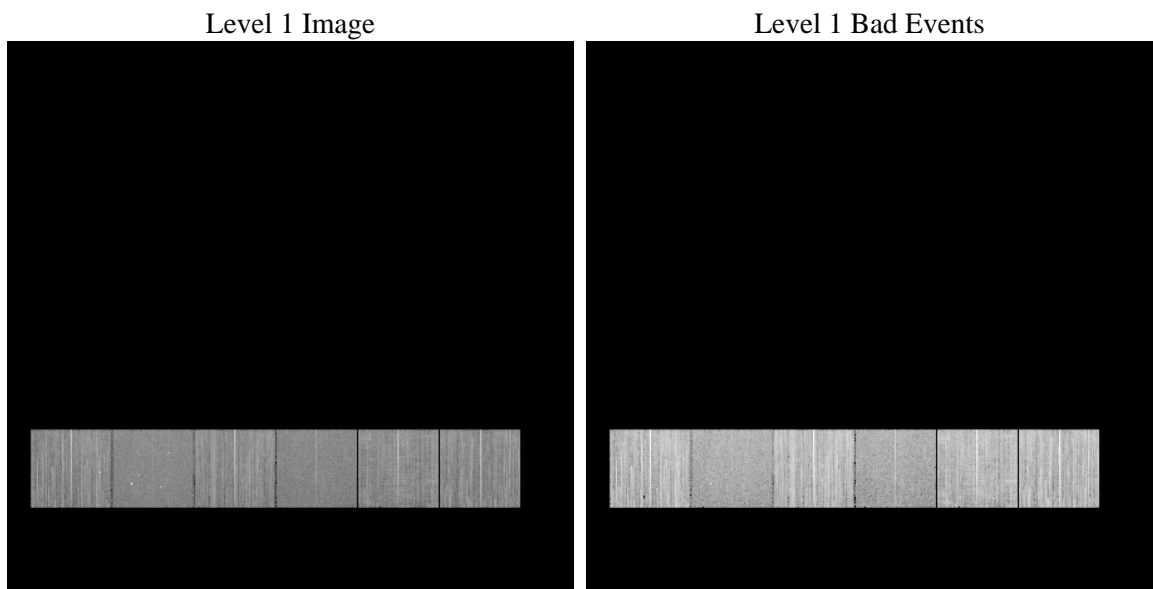
1 Front

seq_num	 	Sequence number
obs_id	52587	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtycle	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	346.11176947001	Nominal RA [deg]
dec_nom	29.671649926243	Nominal Dec [deg]
roll_nom	178.53754214519	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8223.9999694228	Sum of GTIs [s]
livetime	8119.8627299117	Livetime [s]
ontime4	8223.9999694228	Sum of GTIs [s]
ontime5	8223.9999694228	Sum of GTIs [s]
ontime6	8223.9999694228	Sum of GTIs [s]
ontime7	8223.9999694228	Sum of GTIs [s]
ontime8	8223.9999694228	Sum of GTIs [s]
ontime9	8223.9999694228	Sum of GTIs [s]
l2events	222380	Number of level 2 events

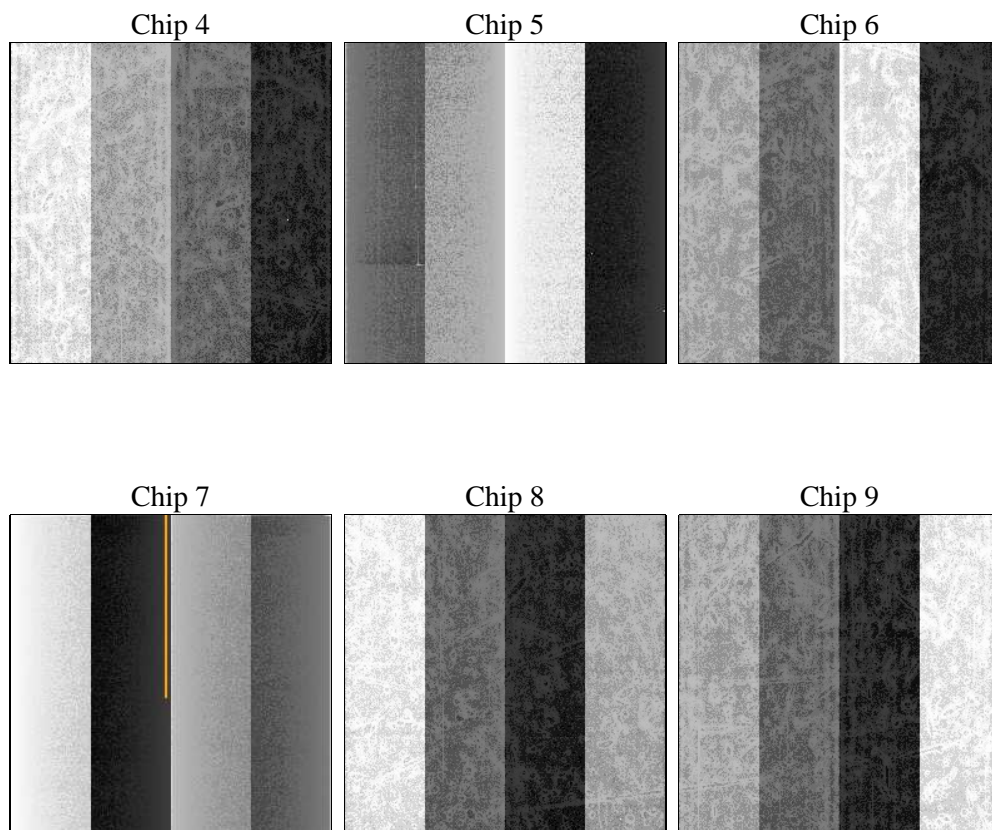
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	10.2.4	Processing system revision	ontime	8223.9999694228	Sum of GTIs [s]
caldbver	4.6.2	 	ontime4	8223.9999694228	Sum of GTIs [s]
date	2014-08-03T19:46:56	Date and time of file creation	ontime5	8223.9999694228	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8223.9999694228	Sum of GTIs [s]
			ontime7	8223.9999694228	Sum of GTIs [s]
			ontime8	8223.9999694228	Sum of GTIs [s]
			ontime9	8223.9999694228	Sum of GTIs [s]
			l1events	899446	Number of level 1 events

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	156823	135845	162243	121992	161475	161068	grade 0 events	17663	8281	14814	7842	17240	14680
rejected events	125005	72832	131535	66876	121804	131275		11%	6%	9%	6%	10%	9%
rejected %	79%	53%	81%	54%	75%	81%	grade 1 events	131	136	63	92	91	86
								0%	0%	0%	0%	0%	0%
							grade 2 events	5715	23276	6419	13677	8570	6010
								3%	17%	3%	11%	5%	3%
							grade 3 events	2216	2230	2045	4452	2961	2003
								1%	1%	1%	3%	1%	1%
							grade 4 events	2017	2211	2000	4524	3017	2018
								1%	1%	1%	3%	1%	1%
							grade 5 events	3188	6318	3187	7529	4208	3457
								2%	4%	1%	6%	2%	2%
							grade 6 events	4545	27456	5693	25096	8275	5370
								2%	20%	3%	20%	5%	3%
							grade 7 events	121348	65937	128022	58780	117113	127444
								77%	48%	78%	48%	72%	79%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	346.1117694700062
[deg] Pointing Dec	0	29.67164992624311
[deg] Pointing Roll	0.0	178.5375421451942
SIM focus pos (mm)	-1.4281808131	-1.4281808131
[mm] SIM defocus	0.1051557500557434	0.1051557500557434
SIM translation stage pos (mm)	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	523428310.565108	523428310.565108
Observation start date	2014-08-03T04:45:11	2014-08-03T04:45:10
[s] Observation end time (MET)	523438550.925137	523438550.925137
Observation end date	2014-08-03T07:35:51	2014-08-03T07:35:50
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
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	Joy Nichols
V&V Date (YYYY-MM-DD)	2014.08.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2239999694228

A.2 Comments