

V&V Reference Report

L2 ASCDS Version : 10

Observation 53586 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jul 8 2013

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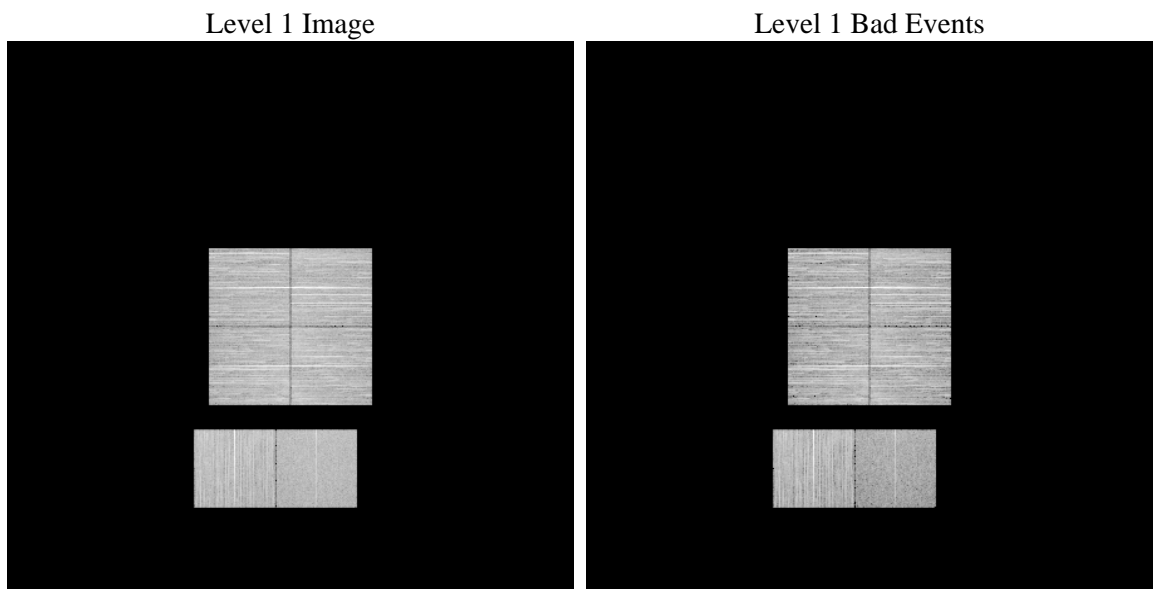
1 Front

seq_num	 	Sequence number
obs_id	53586	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	162.82786723895	Nominal RA [deg]
dec_nom	62.87746437141	Nominal Dec [deg]
roll_nom	290.65584660683	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8043.6528369188	Sum of GTIs [s]
livetime	7941.7992613915	Livetime [s]
ontime0	8043.6117969155	Sum of GTIs [s]
ontime1	8043.5707569122	Sum of GTIs [s]
ontime2	8043.5297169089	Sum of GTIs [s]
ontime3	8043.6938769221	Sum of GTIs [s]
ontime6	8043.4886769056	Sum of GTIs [s]
ontime7	8043.6528369188	Sum of GTIs [s]
l2events	198935	Number of level 2 events

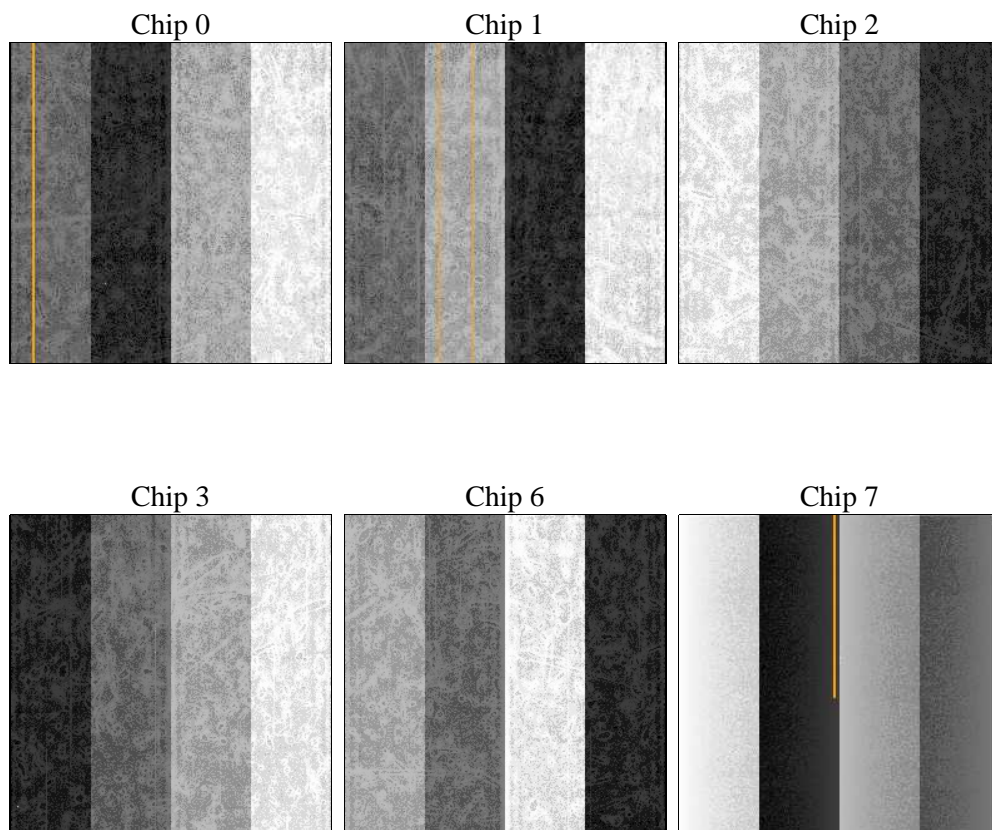
2 OBI

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	8043.6528369188	Sum of GTIs [s]
caldsver	4.5.7	 	ontime0	8043.6117969155	Sum of GTIs [s]
date	2013-07-08T05:25:26	Date and time of file creation	ontime1	8043.5707569122	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8043.5297169089	Sum of GTIs [s]
			ontime3	8043.6938769221	Sum of GTIs [s]
			ontime6	8043.4886769056	Sum of GTIs [s]
			ontime7	8043.6528369188	Sum of GTIs [s]
			l1events	841527	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	140338	149837	141396	141957	146144	121855	grade 0 events	15855	15641	16509	16738	16273	8658
rejected events	109920	119091	110806	110668	114323	65911		11%	10%	11%	11%	11%	7%
rejected %	78%	79%	78%	77%	78%	54%	grade 1 events	80	77	90	117	83	74
								0%	0%	0%	0%	0%	0%
							grade 2 events	6174	6585	6058	6185	6453	13770
								4%	4%	4%	4%	4%	11%
							grade 3 events	2119	2150	2211	2233	2270	4954
								1%	1%	1%	1%	1%	4%
							grade 4 events	2165	2155	2163	2267	2191	4878
								1%	1%	1%	1%	1%	4%
							grade 5 events	2622	2782	2478	3007	3005	7430
								1%	1%	1%	2%	2%	6%
							grade 6 events	5087	5226	4649	4818	5658	25592
								3%	3%	3%	3%	3%	21%
							grade 7 events	106236	115221	107238	106592	110211	56499
								75%	76%	75%	75%	75%	46%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	162.8278672389476
[deg] Pointing Dec	0	62.87746437141028
[deg] Pointing Roll	0.0	290.6558466068274
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)	489614491.457231	489614491.457231
Observation start date	2013-07-07T20:01:31	2013-07-07T20:01:31
[s] Observation end time (MET)	489624554.305099	489624554.305099
Observation end date	2013-07-07T22:49:14	2013-07-07T22:49:14
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	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	8.0436528369188

A.2 Comments