

V&V Reference Report

L2 ASCDS Version : 10.1.1

Observation 53231 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Nov 15 2013

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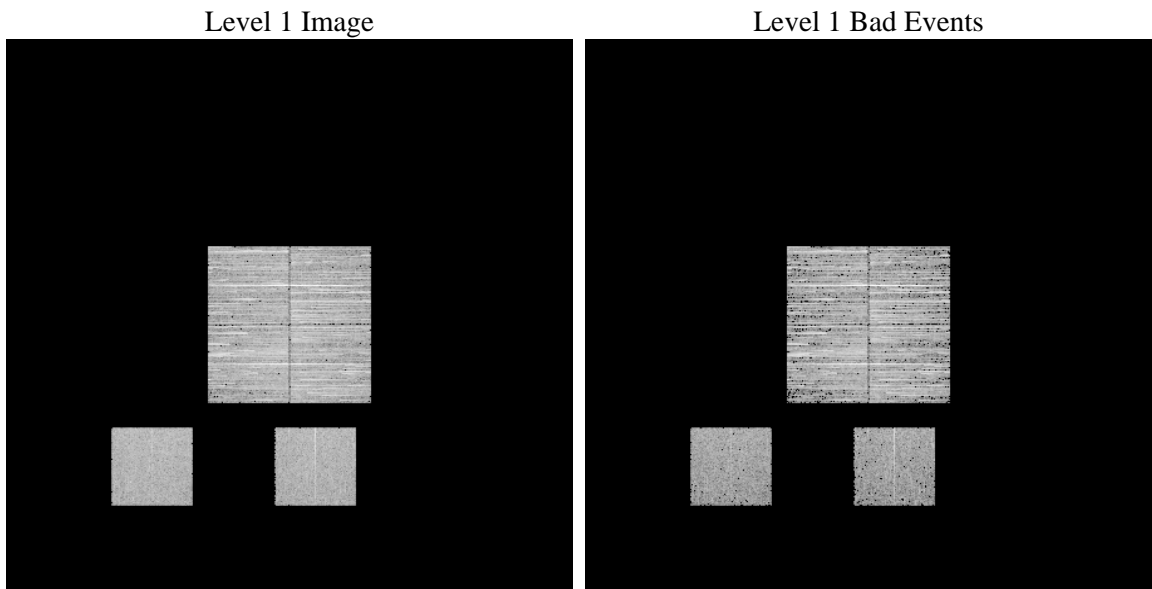
1 Front

seq_num	 	Sequence number
obs_id	53231	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	73.884758920558	Nominal RA [deg]
dec_nom	6.17320591893	Nominal Dec [deg]
roll_nom	60.368224402138	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3286.3999878168	Sum of GTIs [s]
livetime	3244.7856123386	Livetime [s]
ontime0	3286.3999878168	Sum of GTIs [s]
ontime1	3286.3999878168	Sum of GTIs [s]
ontime2	3286.3999878168	Sum of GTIs [s]
ontime3	3286.3999878168	Sum of GTIs [s]
ontime5	3286.3999878168	Sum of GTIs [s]
ontime7	3286.3999878168	Sum of GTIs [s]
l2events	83968	Number of level 2 events

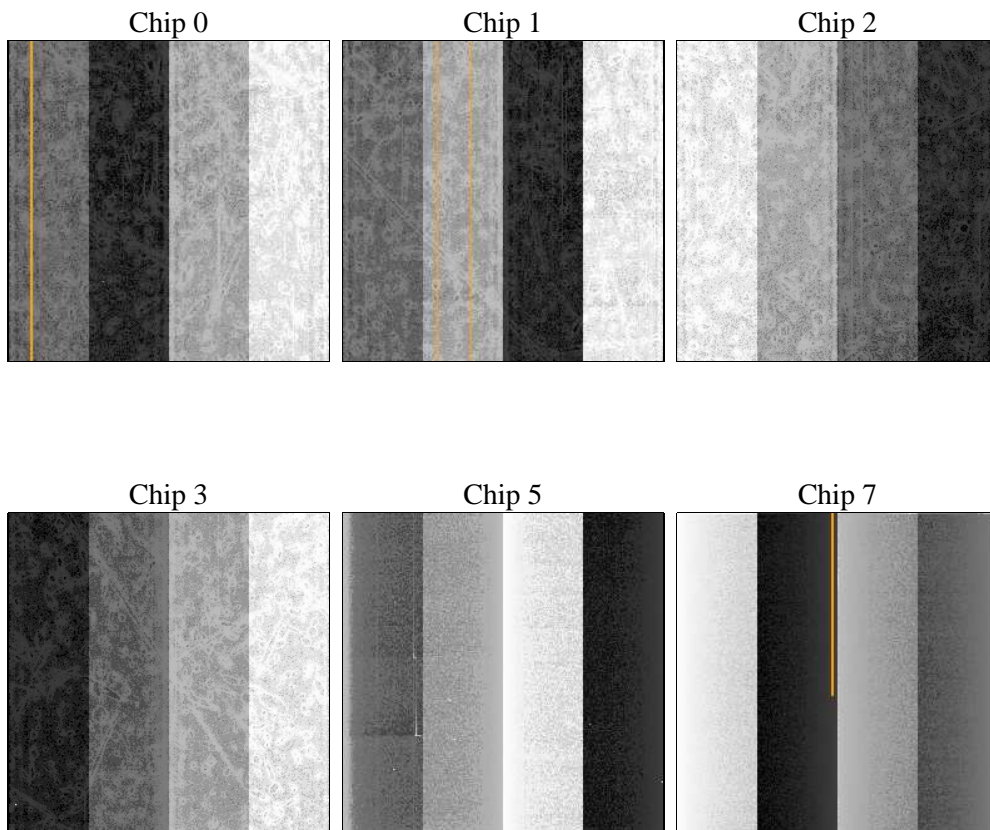
2 OBI

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	10.1.1	Processing system revision	ontime	3286.3999878168	Sum of GTIs [s]
caldbver	4.5.8	 	ontime0	3286.3999878168	Sum of GTIs [s]
date	2013-11-15T11:24:26	Date and time of file creation	ontime1	3286.3999878168	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	3286.3999878168	Sum of GTIs [s]
			ontime3	3286.3999878168	Sum of GTIs [s]
			ontime5	3286.3999878168	Sum of GTIs [s]
			ontime7	3286.3999878168	Sum of GTIs [s]
			l1events	332750	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	57449	60029	59900	60620	48336	46416
rejected events	46052	48611	48365	49151	26849	25716
rejected %	80%	80%	80%	81%	55%	55%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
grade 0 events	5675	5212	5844	5923	1615	2869
	9%	8%	9%	9%	3%	6%
grade 1 events	22	23	27	26	48	32
	0%	0%	0%	0%	0%	0%
grade 2 events	2402	2836	2299	2226	8099	5179
	4%	4%	3%	3%	16%	11%
grade 3 events	744	720	767	791	638	1605
	1%	1%	1%	1%	1%	3%
grade 4 events	799	703	786	789	597	1569
	1%	1%	1%	1%	1%	3%
grade 5 events	1033	1039	978	1117	2039	2645
	1%	1%	1%	1%	4%	5%
grade 6 events	1787	1969	1848	1747	10560	9506
	3%	3%	3%	2%	21%	20%
grade 7 events	44987	47527	47351	48001	24740	23011
	78%	79%	79%	79%	51%	49%

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	73.88475892055779	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	6.173205918929993	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	60.36822440213778	[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)	500842887.370285	500842886.34528			
Observation start date	2013-11-14T19:01:27	2013-11-14T19:01:26			
[s] Observation end time (MET)	500848067.720569	500848066.69557			
Observation end date	2013-11-14T20:27:48	2013-11-14T20:27:46			
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)	2013.11.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2863999878168

A.2 Comments