

V&V Reference Report

L2 ASCDS Version : 10.1.1

Observation 53251 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Nov 7 2013

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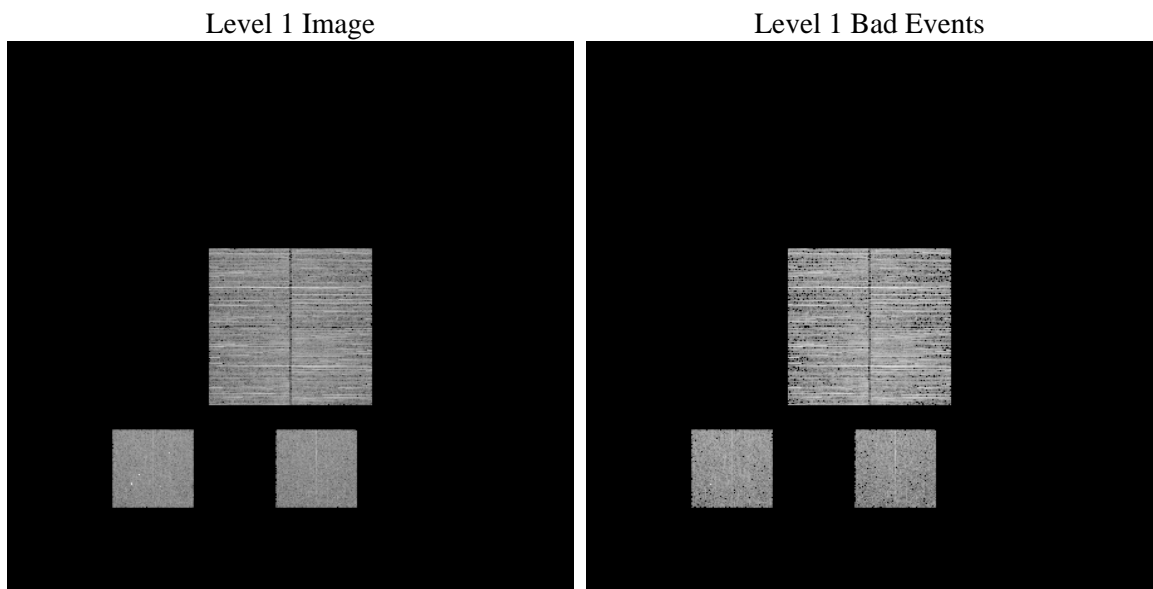
1 Front

seq_num	 	Sequence number
obs_id	53251	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	181.30261967282	Nominal RA [deg]
dec_nom	17.528506762769	Nominal Dec [deg]
roll_nom	52.28988657077	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3289.397796452	Sum of GTIs [s]
livetime	3247.7454609158	Livetime [s]
ontime0	3289.3567564487	Sum of GTIs [s]
ontime1	3289.3157164454	Sum of GTIs [s]
ontime2	3289.2746764421	Sum of GTIs [s]
ontime3	3289.4388364553	Sum of GTIs [s]
ontime5	3289.2336364388	Sum of GTIs [s]
ontime7	3289.397796452	Sum of GTIs [s]
l2events	87311	Number of level 2 events

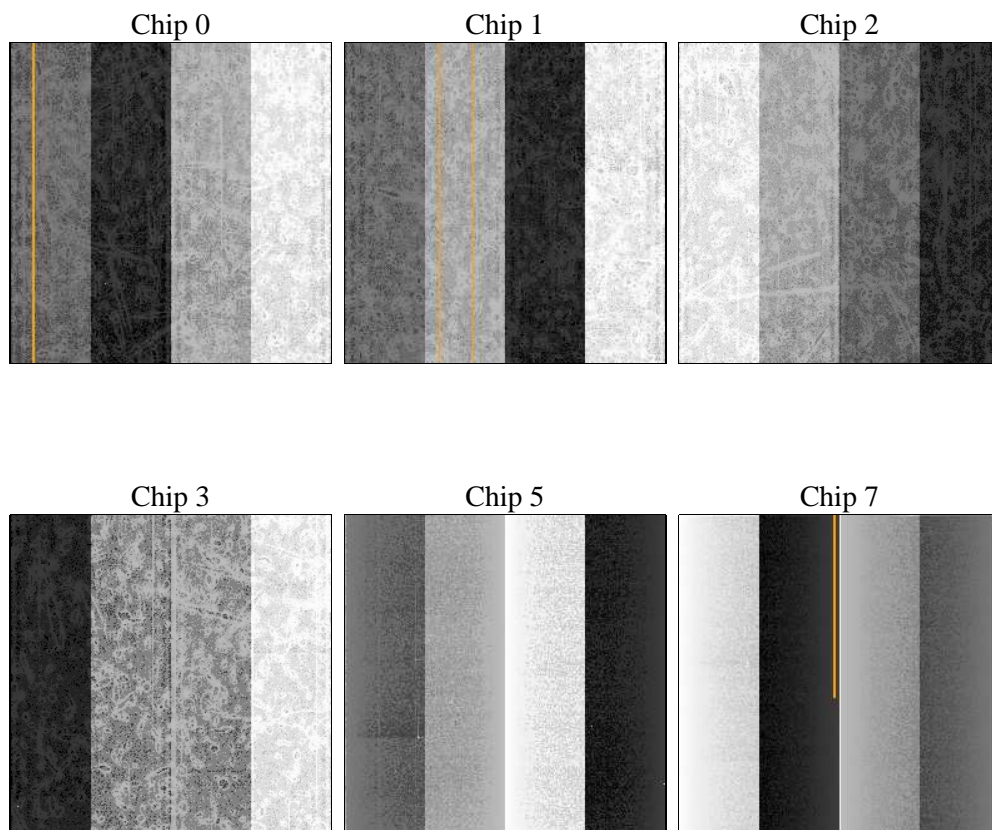
2 OBI

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	3289.397796452	Sum of GTIs [s]
caldsver	4.5.8	 	ontime0	3289.3567564487	Sum of GTIs [s]
date	2013-11-07T14:48:54	Date and time of file creation	ontime1	3289.3157164454	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	3289.2746764421	Sum of GTIs [s]
			ontime3	3289.4388364553	Sum of GTIs [s]
			ontime5	3289.2336364388	Sum of GTIs [s]
			ontime7	3289.397796452	Sum of GTIs [s]
			l1events	326741	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	54418	54788	55893	62564	51990	47088	grade 0 events	5898	5722	6104	6070	3255	3015
rejected events	42772	43143	43963	50772	27654	25394		10%	10%	10%	9%	6%	6%
rejected %	78%	78%	78%	81%	53%	53%	grade 1 events	35	37	31	30	59	44
								0%	0%	0%	0%	0%	0%
							grade 2 events	2358	2410	2327	2307	8790	5360
								4%	4%	4%	3%	16%	11%
							grade 3 events	803	796	830	798	884	1781
								1%	1%	1%	1%	1%	3%
							grade 4 events	754	791	882	781	805	1805
								1%	1%	1%	1%	1%	3%
							grade 5 events	1093	1141	1056	1257	2450	2907
								2%	2%	1%	2%	4%	6%
							grade 6 events	1833	1926	1787	1836	10602	9733
								3%	3%	3%	2%	20%	20%
							grade 7 events	41644	41965	42876	49485	25145	22443
								76%	76%	76%	79%	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	181.30261967282	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	17.52850676276926	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	52.28988657077041	[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)	500155024.182583	500155023.15758			
Observation start date	2013-11-06T19:57:04	2013-11-06T19:57:03			
[s] Observation end time (MET)	500162063.882969	500162062.85797			
Observation end date	2013-11-06T21:54:24	2013-11-06T21:54:22			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2013.11.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.289397796452

A.2 Comments