

V&V Reference Report

L2 ASCDS Version : 10.2.1

Observation 53013 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Feb 10 2014

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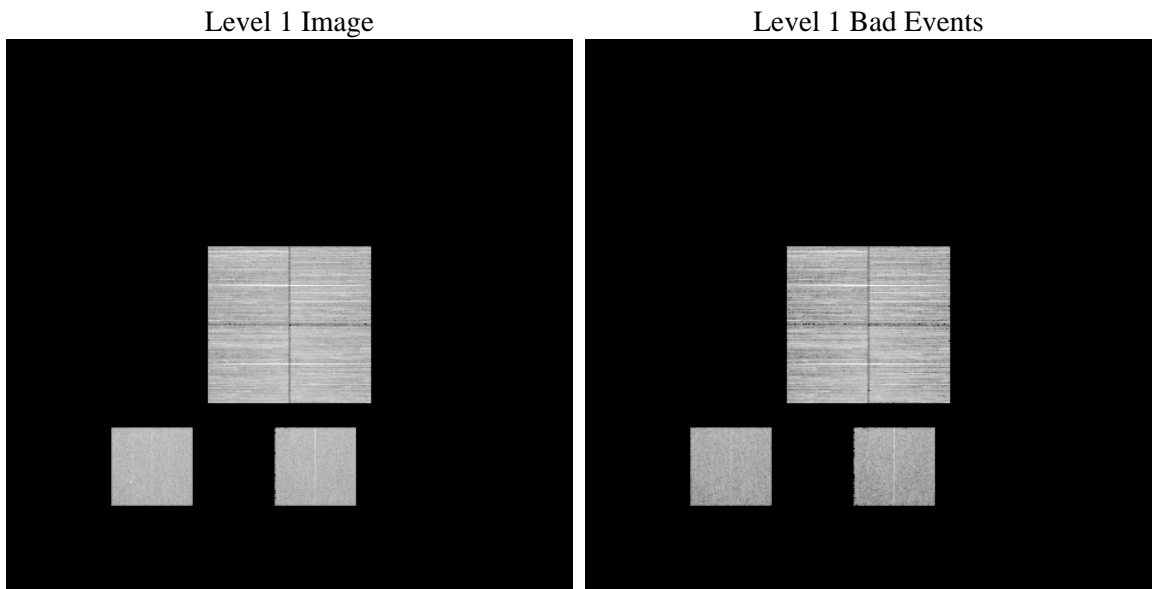
1 Front

seq_num	 	Sequence number
obs_id	53013	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	170.05679766992	Nominal RA [deg]
dec_nom	17.179863328512	Nominal Dec [deg]
roll_nom	123.76085166277	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8111.99996984	Sum of GTIs [s]
livetime	8009.280941762	Livetime [s]
ontime0	8111.99996984	Sum of GTIs [s]
ontime1	8111.99996984	Sum of GTIs [s]
ontime2	8111.99996984	Sum of GTIs [s]
ontime3	8111.99996984	Sum of GTIs [s]
ontime5	8111.99996984	Sum of GTIs [s]
ontime7	8111.99996984	Sum of GTIs [s]
l2events	220115	Number of level 2 events

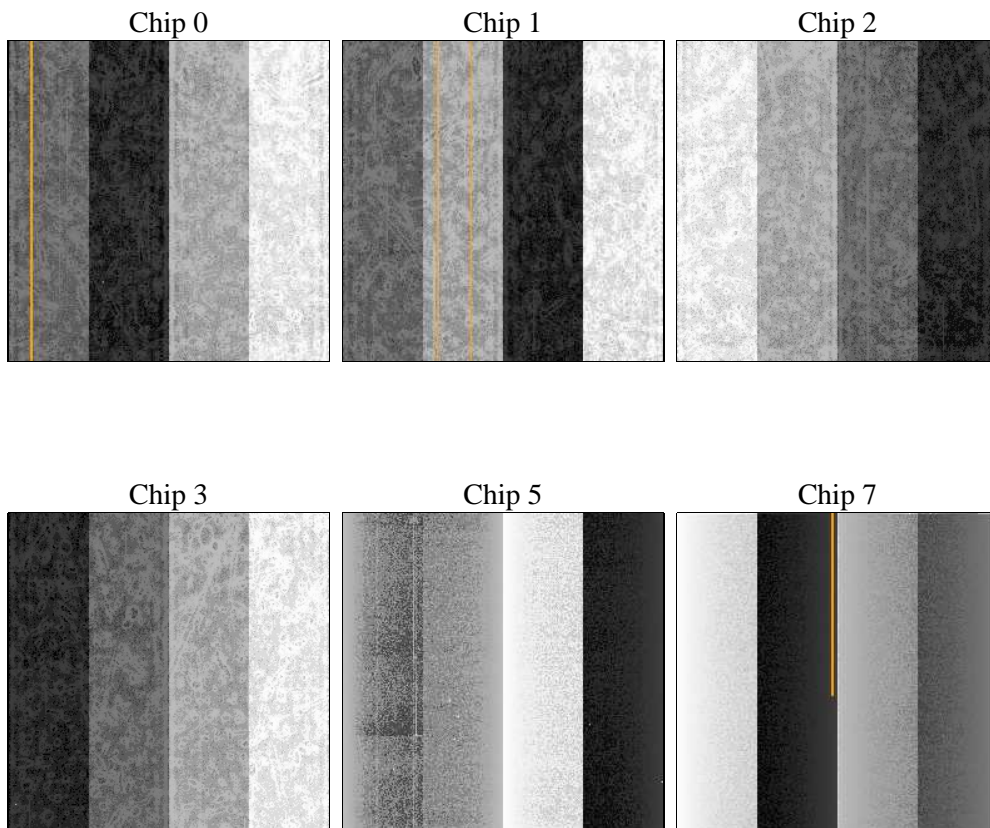
2 OBI

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	10.2.1	Processing system revision	ontime	8111.99996984	Sum of GTIs [s]
caldsver	4.6.0	 	ontime0	8111.99996984	Sum of GTIs [s]
date	2014-02-10T19:41:52	Date and time of file creation	ontime1	8111.99996984	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8111.99996984	Sum of GTIs [s]
			ontime3	8111.99996984	Sum of GTIs [s]
			ontime5	8111.99996984	Sum of GTIs [s]
			ontime7	8111.99996984	Sum of GTIs [s]
			l1events	847977	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	140400	148733	152876	159615	125727	120626	grade 0 events	14707	13698	15699	15781	4411	7228
rejected events	110074	117967	122222	128199	70941	67465		10%	9%	10%	9%	3%	5%
rejected %	78%	79%	79%	80%	56%	55%	grade 1 events	72	61	82	86	149	73
								0%	0%	0%	0%	0%	0%
							grade 2 events	7052	8159	6503	6761	21248	13516
								5%	5%	4%	4%	16%	11%
							grade 3 events	1962	1946	2054	2065	1747	4014
								1%	1%	1%	1%	1%	3%
							grade 4 events	1931	1853	1995	2173	1548	3973
								1%	1%	1%	1%	1%	3%
							grade 5 events	2576	2588	2478	3005	5080	6665
								1%	1%	1%	1%	4%	5%
							grade 6 events	5220	5706	4985	5212	26949	25472
								3%	3%	3%	3%	21%	21%
							grade 7 events	106880	114722	119080	124532	64595	59685
								76%	77%	77%	78%	51%	49%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012357	ACIS-012357
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	170.0567976699231
[deg] Pointing Dec	0	17.17986332851179
[deg] Pointing Roll	0.0	123.7608516627686
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)	508386270.734419	508386270.734419
Observation start date	2014-02-10T02:24:31	2014-02-10T02:24:30
[s] Observation end time (MET)	508395476.614694	508395476.614694
Observation end date	2014-02-10T04:57:57	2014-02-10T04:57:56
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2014.02.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.11199996984

A.2 Comments