

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 53915 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Feb 26 2013

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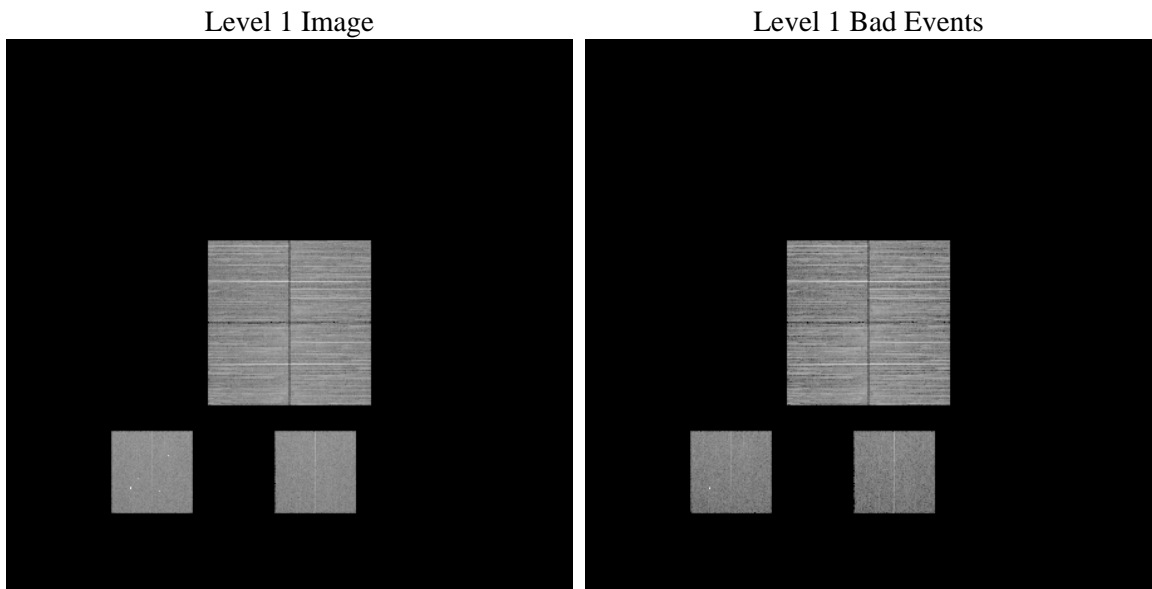
1 Front

seq_num	 	Sequence number
obs_id	53915	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	147.45436882825	Nominal RA [deg]
dec_nom	-14.259649682816	Nominal Dec [deg]
roll_nom	323.38407141216	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8034.3225287795	Sum of GTIs [s]
livetime	7932.5870992319	Livetime [s]
ontime0	8034.2814887762	Sum of GTIs [s]
ontime1	8030.9994484186	Sum of GTIs [s]
ontime2	8034.1994087696	Sum of GTIs [s]
ontime3	8034.3635687828	Sum of GTIs [s]
ontime5	8034.1583687663	Sum of GTIs [s]
ontime7	8034.3225287795	Sum of GTIs [s]
l2events	248611	Number of level 2 events

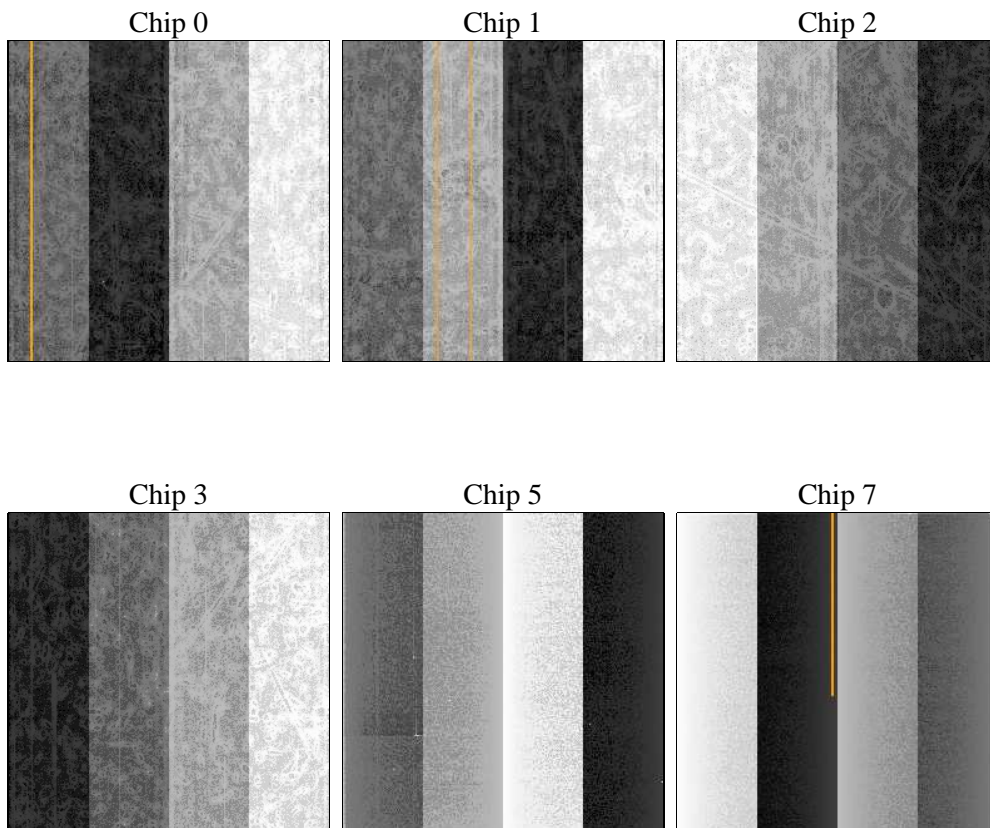
2 OBI

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	8.5.1.1	Processing system revision	ontime	8034.3225287795	Sum of GTIs [s]
caldsver	4.5.5	 	ontime0	8034.2814887762	Sum of GTIs [s]
date	2013-02-26T08:58:25	Date and time of file creation	ontime1	8030.9994484186	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8034.1994087696	Sum of GTIs [s]
			ontime3	8034.3635687828	Sum of GTIs [s]
			ontime5	8034.1583687663	Sum of GTIs [s]
			ontime7	8034.3225287795	Sum of GTIs [s]
			l1events	956752	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	153869	168918	169595	179946	147442	136982	grade 0 events	17550	17245	18162	18111	7464	9473
rejected events	120470	135238	135821	146223	81779	74637		11%	10%	10%	10%	5%	6%
rejected %	78%	80%	80%	81%	55%	54%	grade 1 events	104	101	107	130	137	112
								0%	0%	0%	0%	0%	0%
							grade 2 events	6768	7071	6734	6435	25129	15787
								4%	4%	3%	3%	17%	11%
							grade 3 events	2365	2368	2383	2480	2449	5481
								1%	1%	1%	1%	1%	4%
							grade 4 events	2337	2308	2407	2366	2462	5411
								1%	1%	1%	1%	1%	3%
							grade 5 events	3161	3130	3077	3517	6785	8426
								2%	1%	1%	1%	4%	6%
							grade 6 events	5436	5726	5155	5357	30254	28101
								3%	3%	3%	2%	20%	20%
							grade 7 events	116148	130969	131570	141550	72762	64191
								75%	77%	77%	78%	49%	46%

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	147.4543688282535
[deg] Pointing Dec	0	-14.25964968281602
[deg] Pointing Roll	0.0	323.3840714121629
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)	478187575.587912	478187575.587912
Observation start date	2013-02-25T13:52:56	2013-02-25T13:52:55
[s] Observation end time (MET)	478196057.31912	478196057.31912
Observation end date	2013-02-25T16:14:17	2013-02-25T16:14:17
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)	2013.02.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0343225287795

A.2 Comments