

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 53902 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Mar 1 2013

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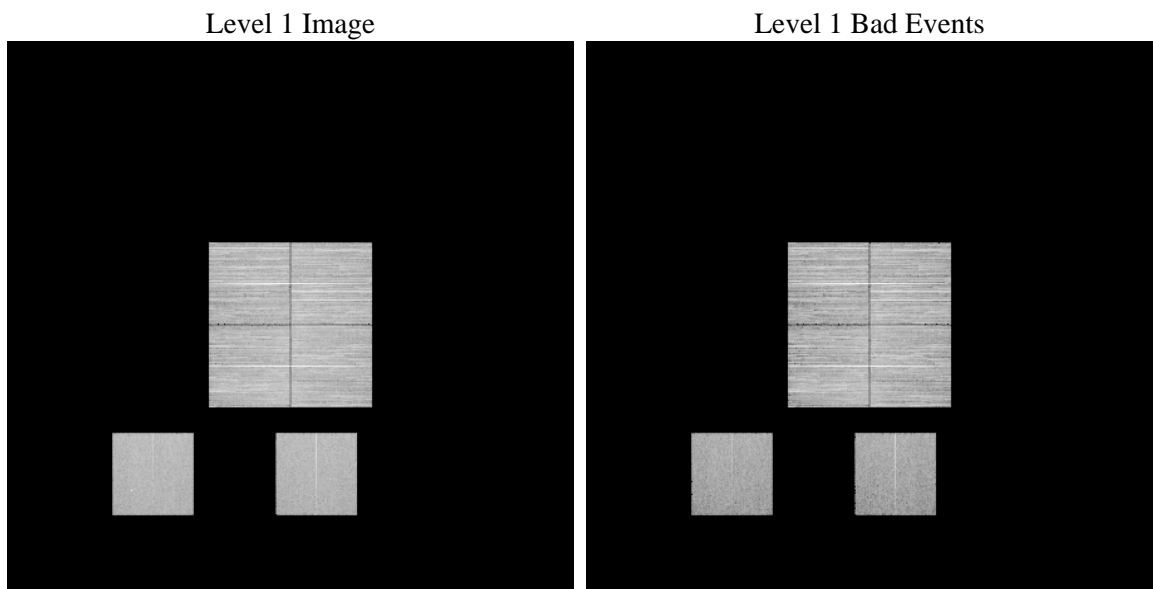
1 Front

seq_num	 	Sequence number
obs_id	53902	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	324.27544503294	Nominal RA [deg]
dec_nom	4.3033722825051	Nominal Dec [deg]
roll_nom	70.210985614854	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8025.4131308794	Sum of GTIs [s]
livetime	7923.7905174926	Livetime [s]
ontime0	8025.3720908761	Sum of GTIs [s]
ontime1	8025.3310508728	Sum of GTIs [s]
ontime2	8025.2900108695	Sum of GTIs [s]
ontime3	8025.4541708827	Sum of GTIs [s]
ontime5	8025.2489708662	Sum of GTIs [s]
ontime7	8025.4131308794	Sum of GTIs [s]
l2events	244067	Number of level 2 events

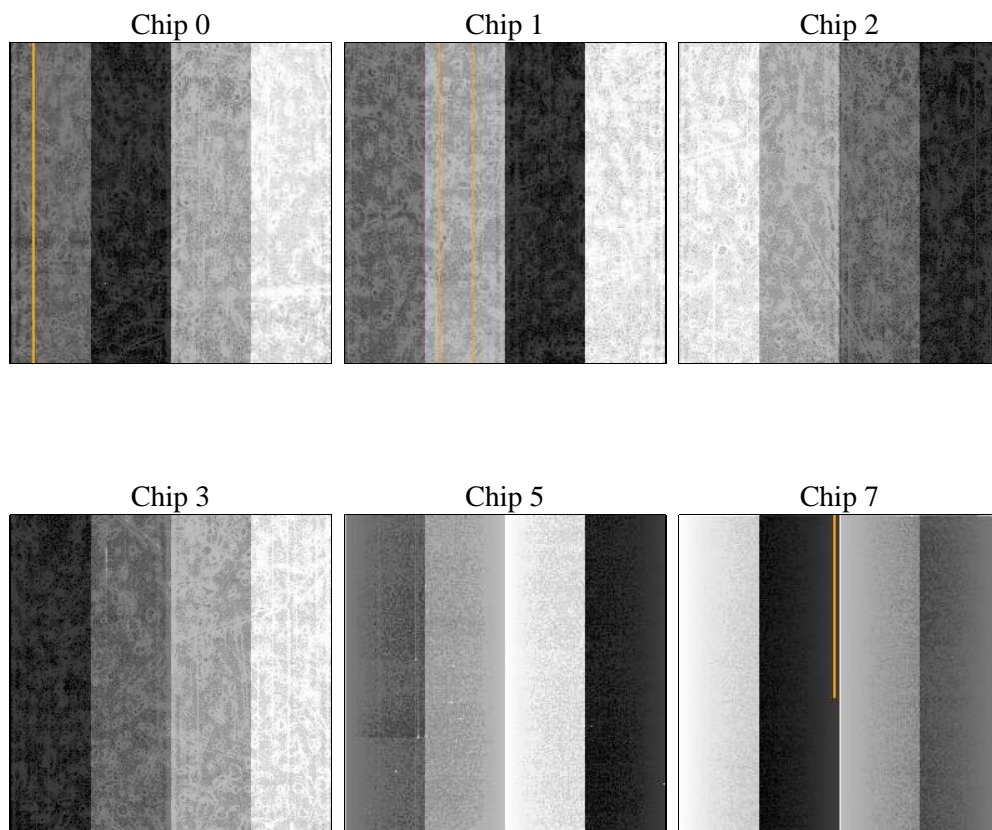
2 OBI

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	8025.4131308794	Sum of GTIs [s]
caldsver	4.5.6	 	ontime0	8025.3720908761	Sum of GTIs [s]
date	2013-03-01T05:34:42	Date and time of file creation	ontime1	8025.3310508728	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8025.2900108695	Sum of GTIs [s]
			ontime3	8025.4541708827	Sum of GTIs [s]
			ontime5	8025.2489708662	Sum of GTIs [s]
			ontime7	8025.4131308794	Sum of GTIs [s]
			l1events	985940	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	172839	183425	177388	173541	142209	136538	grade 0 events	16866	15888	17847	17788	5179	8592
rejected events	139752	149946	143917	140134	79673	76352		9%	8%	10%	10%	3%	6%
rejected %	80%	81%	81%	80%	56%	55%	grade 1 events	100	68	92	116	152	84
								0%	0%	0%	0%	0%	0%
							grade 2 events	7324	8357	6940	6803	24286	15553
								4%	4%	3%	3%	17%	11%
							grade 3 events	2336	2145	2304	2282	2145	4764
								1%	1%	1%	1%	1%	3%
							grade 4 events	2199	2232	2302	2328	2051	4709
								1%	1%	1%	1%	1%	3%
							grade 5 events	3052	2924	2893	3267	5928	7706
								1%	1%	1%	1%	4%	5%
							grade 6 events	5435	5927	5154	5296	30940	28580
								3%	3%	2%	3%	21%	20%
							grade 7 events	135527	145884	139856	135661	71528	66550
								78%	79%	78%	78%	50%	48%

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	324.2754450329371
[deg] Pointing Dec	0	4.30337228250511
[deg] Pointing Roll	0.0	70.21098561485445
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)	478447544.302014	478447544.302014
Observation start date	2013-02-28T14:05:44	2013-02-28T14:05:44
[s] Observation end time (MET)	478457362.865666	478457362.865666
Observation end date	2013-02-28T16:49:23	2013-02-28T16:49:22
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)	2013.03.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0254131308794

A.2 Comments