

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 53909 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Feb 26 2013

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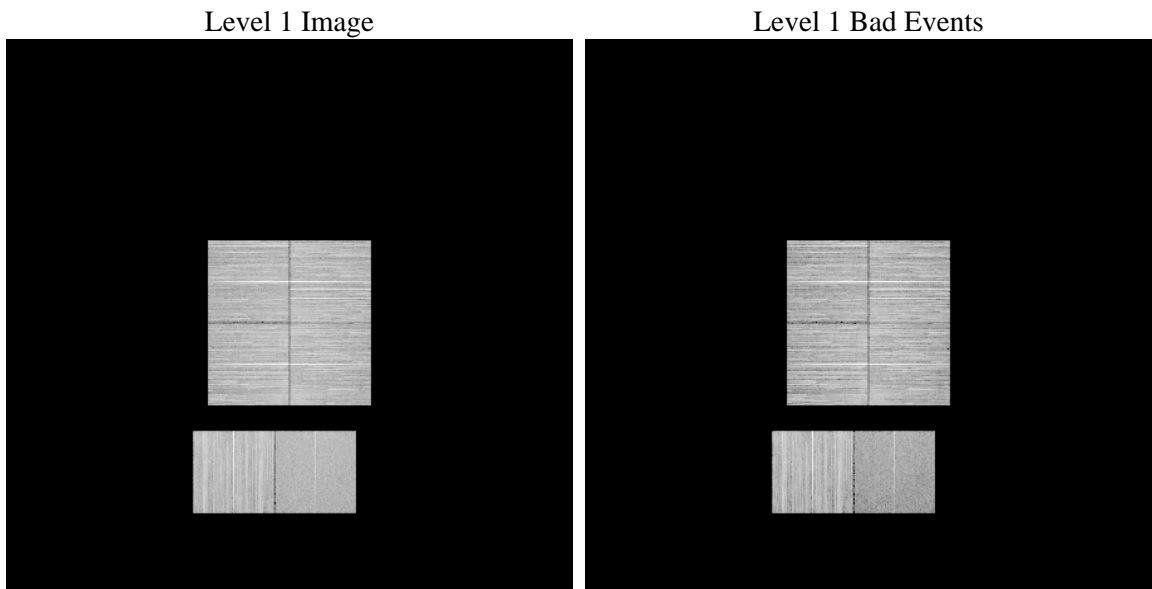
1 Front

seq_num	 	Sequence number
obs_id	53909	Observation id
title	ACIS-012367 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	178.12154406017	Nominal RA [deg]
dec_nom	-3.8705618009589	Nominal Dec [deg]
roll_nom	62.594713177227	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	8108.7591189742	Sum of GTIs [s]
ontime2	8111.99996984	Sum of GTIs [s]
ontime3	8111.99996984	Sum of GTIs [s]
ontime6	8111.99996984	Sum of GTIs [s]
ontime7	8111.99996984	Sum of GTIs [s]
l2events	218774	Number of level 2 events

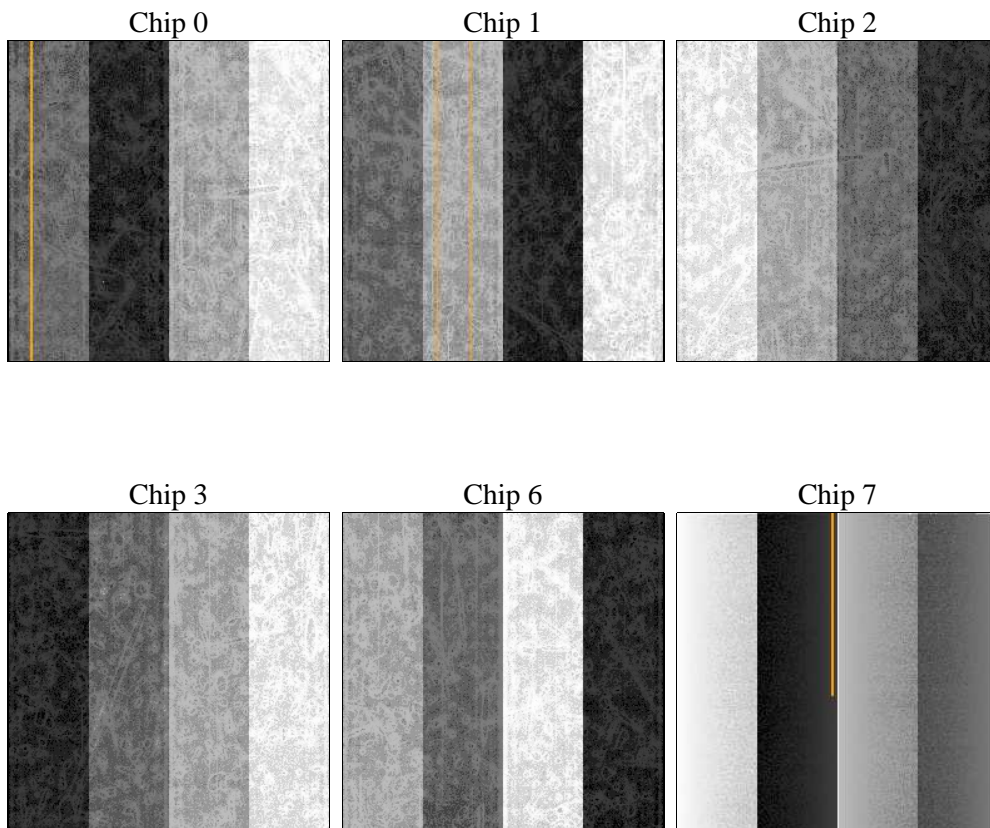
2 OBI

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	8111.99996984	Sum of GTIs [s]
caldbver	4.5.5	 	ontime0	8111.99996984	Sum of GTIs [s]
date	2013-02-26T19:36:20	Date and time of file creation	ontime1	8108.7591189742	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8111.99996984	Sum of GTIs [s]
			ontime3	8111.99996984	Sum of GTIs [s]
			ontime6	8111.99996984	Sum of GTIs [s]
			ontime7	8111.99996984	Sum of GTIs [s]
			l1events	1018300	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	163588	182554	176453	174339	183870	137496	grade 0 events	16663	15571	17737	17884	16003	8554
rejected events	129931	149093	142553	140312	148740	76035		10%	8%	10%	10%	8%	6%
rejected %	79%	81%	80%	80%	80%	55%	grade 1 events	82	74	104	103	72	99
								0%	0%	0%	0%	0%	0%
							grade 2 events	7518	8458	7044	7064	9155	15685
								4%	4%	3%	4%	4%	11%
							grade 3 events	2263	2122	2305	2310	2094	4929
								1%	1%	1%	1%	1%	3%
							grade 4 events	2304	2110	2306	2273	2079	4764
								1%	1%	1%	1%	1%	3%
							grade 5 events	3002	2918	2834	3340	2970	7772
								1%	1%	1%	1%	1%	5%
							grade 6 events	5647	5941	5236	5258	6588	28888
								3%	3%	2%	3%	3%	21%
							grade 7 events	126109	145360	138887	136107	144909	66805
								77%	79%	78%	78%	78%	48%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	178.121544060172
[deg] Pointing Dec	0	-3.870561800958852
[deg] Pointing Roll	0.0	62.59471317722665
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)	478219377.239629	478219377.239629
Observation start date	2013-02-25T22:42:57	2013-02-25T22:42:57
[s] Observation end time (MET)	478228378.470145	478228378.470145
Observation end date	2013-02-26T01:12:58	2013-02-26T01:12:58
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	Jen Lauer
V&V Date (YYYY-MM-DD)	2013.02.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.11199996984

A.2 Comments