

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 53716 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : May 8 2013

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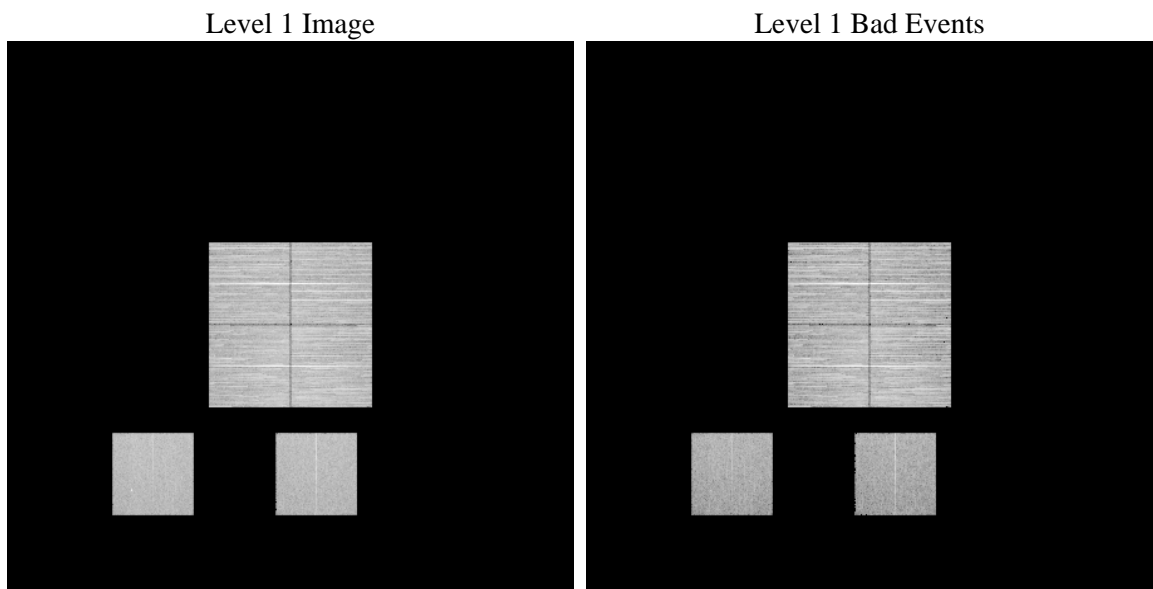
1 Front

seq_num	 	Sequence number
obs_id	53716	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	141.72111161725	Nominal RA [deg]
dec_nom	-14.563575122382	Nominal Dec [deg]
roll_nom	260.75266154331	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8030.5121833682	Sum of GTIs [s]
livetime	7928.8250027085	Livetime [s]
ontime0	8030.4711433649	Sum of GTIs [s]
ontime1	8030.4301033616	Sum of GTIs [s]
ontime2	8030.3890633583	Sum of GTIs [s]
ontime3	8030.5532233715	Sum of GTIs [s]
ontime5	8030.348023355	Sum of GTIs [s]
ontime7	8030.5121833682	Sum of GTIs [s]
l2events	234131	Number of level 2 events

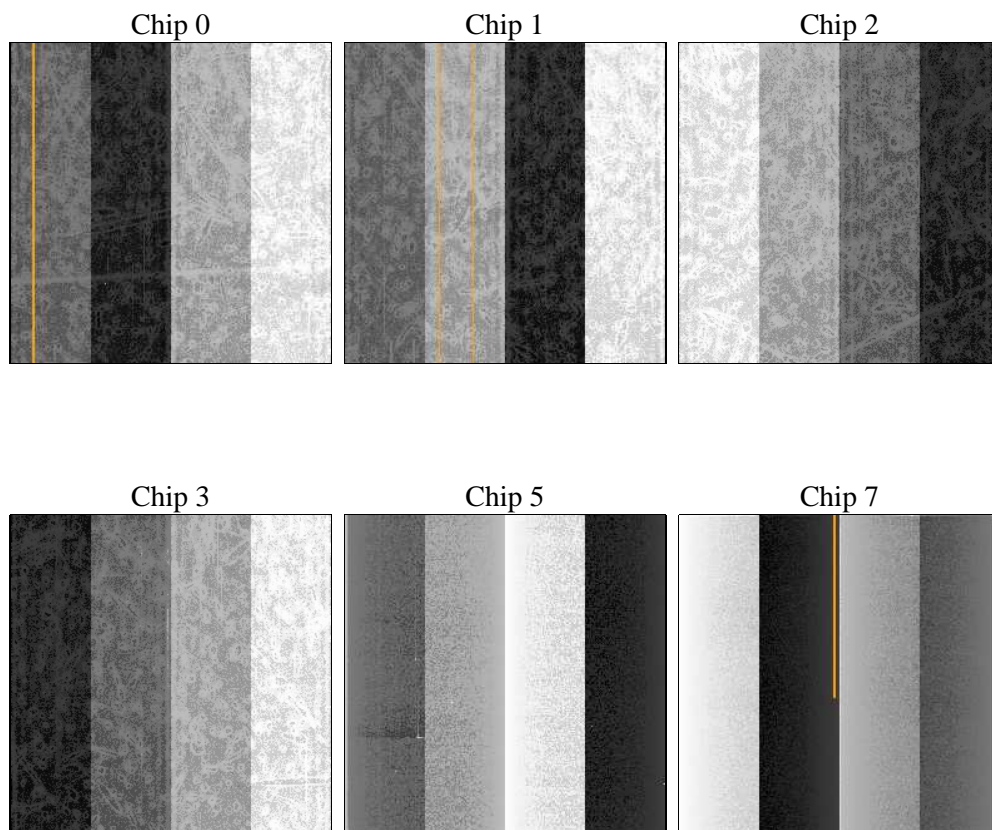
2 OBI

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	8030.5121833682	Sum of GTIs [s]
caldsver	4.5.6	 	ontime0	8030.4711433649	Sum of GTIs [s]
date	2013-05-08T22:08:50	Date and time of file creation	ontime1	8030.4301033616	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8030.3890633583	Sum of GTIs [s]
			ontime3	8030.5532233715	Sum of GTIs [s]
			ontime5	8030.348023355	Sum of GTIs [s]
			ontime7	8030.5121833682	Sum of GTIs [s]
			l1events	912008	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	159754	156581	160921	172772	134336	127644	grade 0 events	16655	16300	17174	17356	6181	8700
rejected events	127991	124810	128884	140705	74275	69607		10%	10%	10%	10%	4%	6%
rejected %	80%	79%	80%	81%	55%	54%	grade 1 events	109	83	85	110	115	91
								0%	0%	0%	0%	0%	0%
							grade 2 events	6444	6895	6459	6258	23023	14652
								4%	4%	4%	3%	17%	11%
							grade 3 events	2326	2101	2218	2348	2409	4981
								1%	1%	1%	1%	1%	3%
							grade 4 events	2216	2274	2287	2220	2362	4867
								1%	1%	1%	1%	1%	3%
							grade 5 events	2913	3037	2790	3334	6117	7742
								1%	1%	1%	1%	4%	6%
							grade 6 events	5180	5298	4897	4973	28084	26631
								3%	3%	3%	2%	20%	20%
							grade 7 events	123911	120593	125011	136173	66045	59980
								77%	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	141.7211116172516
[deg] Pointing Dec	0	-14.56357512238239
[deg] Pointing Roll	0.0	260.7526615433136
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)	484359291.57199	484359291.57199
Observation start date	2013-05-08T00:14:52	2013-05-08T00:14:51
[s] Observation end time (MET)	484368564.332043	484368564.332043
Observation end date	2013-05-08T02:49:24	2013-05-08T02:49:24
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)	2013.05.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0305121833682

A.2 Comments