

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 53744 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Apr 28 2013

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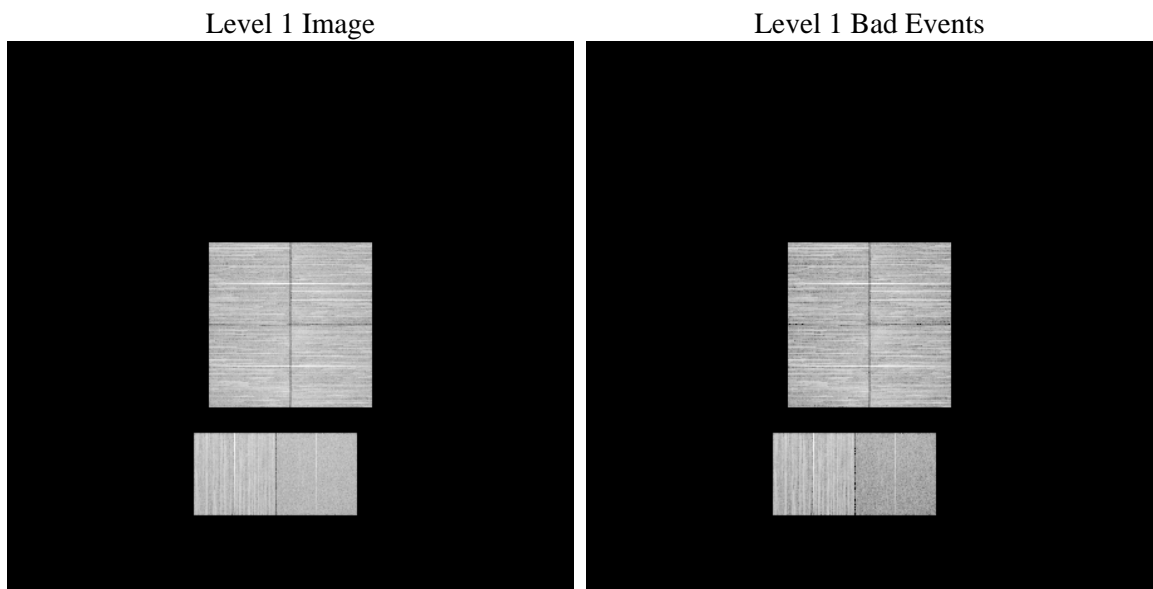
1 Front

seq_num	 	Sequence number
obs_id	53744	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	166.38557368807	Nominal RA [deg]
dec_nom	-24.570337791806	Nominal Dec [deg]
roll_nom	283.36697394557	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8150.399969697	Sum of GTIs [s]
livetime	8047.194697699	Livetime [s]
ontime0	8150.399969697	Sum of GTIs [s]
ontime1	8150.399969697	Sum of GTIs [s]
ontime2	8150.399969697	Sum of GTIs [s]
ontime3	8150.399969697	Sum of GTIs [s]
ontime6	8150.399969697	Sum of GTIs [s]
ontime7	8150.399969697	Sum of GTIs [s]
l2events	214874	Number of level 2 events

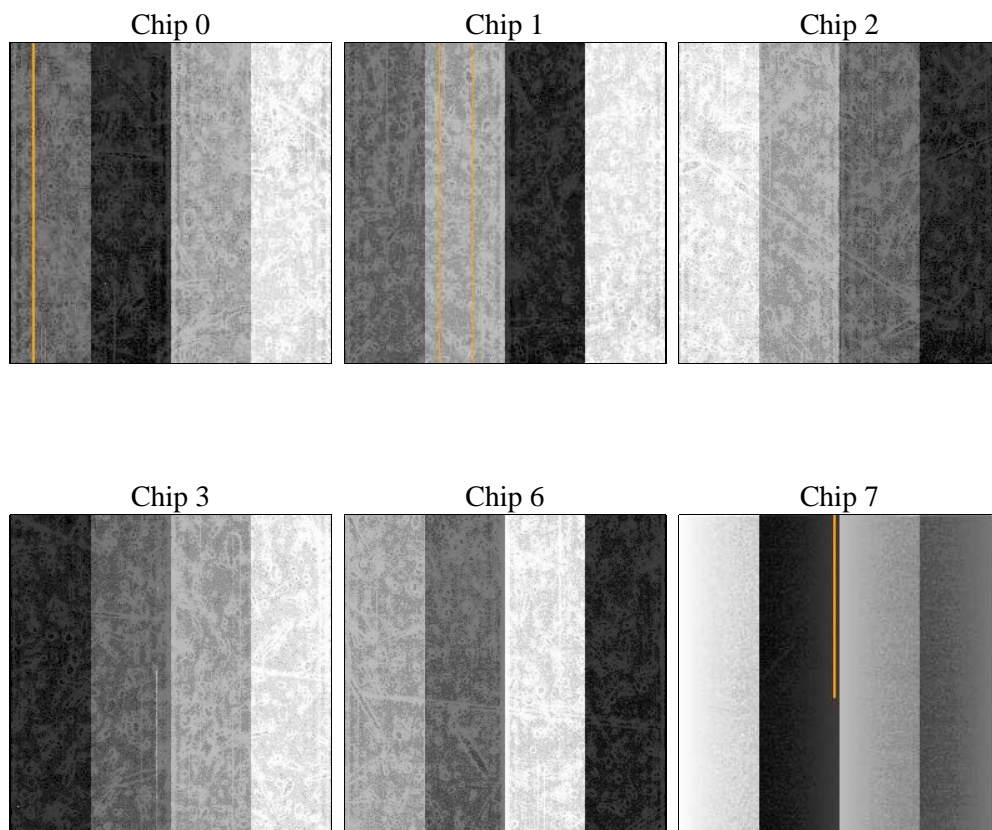
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	8150.399969697	Sum of GTIs [s]
caldsver	4.5.6	 	ontime0	8150.399969697	Sum of GTIs [s]
date	2013-04-28T01:58:31	Date and time of file creation	ontime1	8150.399969697	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8150.399969697	Sum of GTIs [s]
			ontime3	8150.399969697	Sum of GTIs [s]
			ontime6	8150.399969697	Sum of GTIs [s]
			ontime7	8150.399969697	Sum of GTIs [s]
			l1events	983939	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	160383	167679	169206	176920	177509	132242	grade 0 events	16887	16542	17396	17652	17412	9102
rejected events	127685	134734	136184	143615	142854	71284		10%	9%	10%	9%	9%	6%
rejected %	79%	80%	80%	81%	80%	53%	grade 1 events	95	77	98	121	87	111
								0%	0%	0%	0%	0%	0%
							grade 2 events	6576	6886	6542	6396	7126	15236
								4%	4%	3%	3%	4%	11%
							grade 3 events	2291	2215	2230	2330	2307	5144
								1%	1%	1%	1%	1%	3%
							grade 4 events	2278	2348	2382	2405	2337	5248
								1%	1%	1%	1%	1%	3%
							grade 5 events	2984	3157	2985	3403	3256	8186
								1%	1%	1%	1%	1%	6%
							grade 6 events	5257	5580	5047	5126	6094	27337
								3%	3%	2%	2%	3%	20%
							grade 7 events	124015	130874	132526	139487	138890	61878
								77%	78%	78%	78%	78%	46%

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	166.3855736880651
[deg] Pointing Dec	0	-24.57033779180646
[deg] Pointing Roll	0.0	283.3669739455737
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)	483441283.072261	483441283.072261
Observation start date	2013-04-27T09:14:43	2013-04-27T09:14:43
[s] Observation end time (MET)	483451344.058057	483451344.058057
Observation end date	2013-04-27T12:02:24	2013-04-27T12:02:24
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)	2013.04.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.150399969697

A.2 Comments