

V&V Reference Report

L2 ASCDS Version : 10.1.1

Observation 53135 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Dec 27 2013

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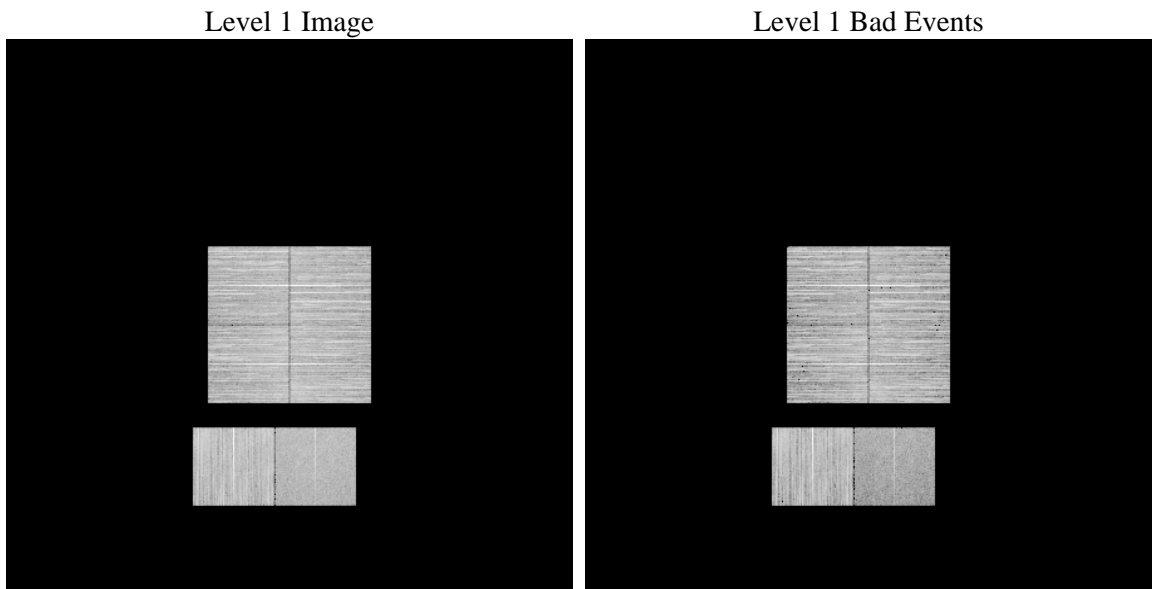
1 Front

seq_num	 	Sequence number
obs_id	53135	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	142.43481929519	Nominal RA [deg]
dec_nom	17.57371683862	Nominal Dec [deg]
roll_nom	73.951175190394	Nominal Roll [deg]
revision	1	Processing version of data
ontime	7029.9956601262	Sum of GTIs [s]
livetime	6940.9776221225	Livetime [s]
ontime0	7029.9546201229	Sum of GTIs [s]
ontime1	7029.9135801196	Sum of GTIs [s]
ontime2	7029.8725401163	Sum of GTIs [s]
ontime3	7030.0367001295	Sum of GTIs [s]
ontime6	7029.831500113	Sum of GTIs [s]
ontime7	7029.9956601262	Sum of GTIs [s]
l2events	158233	Number of level 2 events

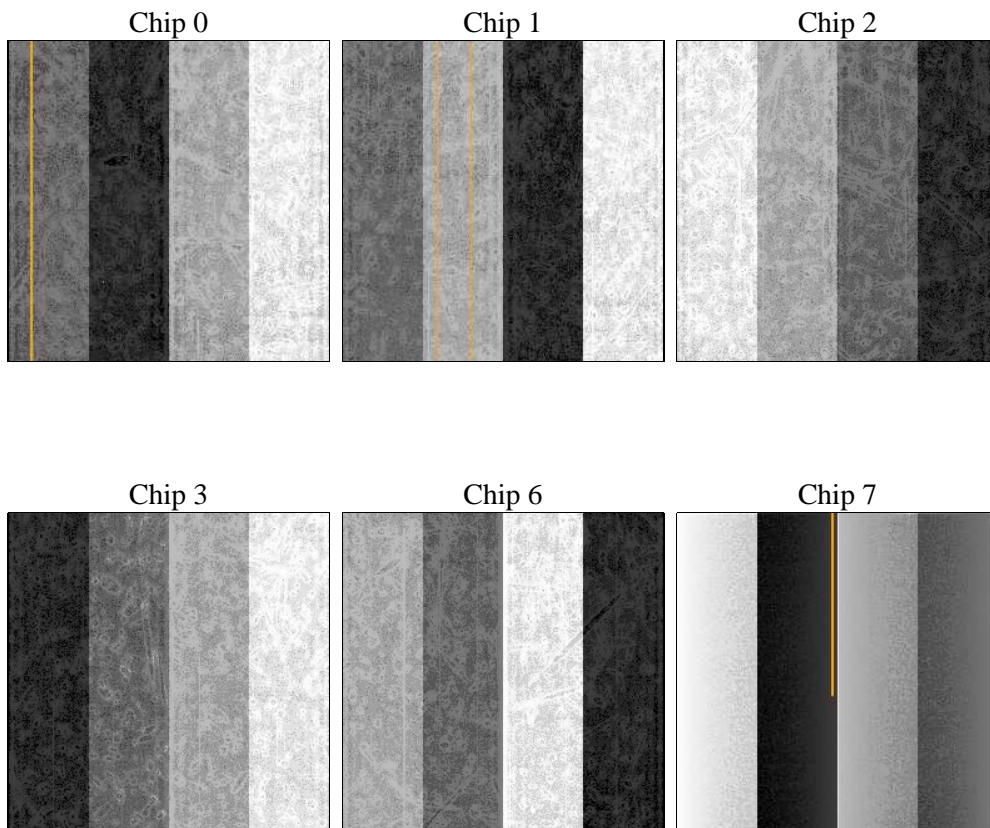
2 OBI

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	10.1.1	Processing system revision	ontime	7029.9956601262	Sum of GTIs [s]
caldsver	4.6.0	 	ontime0	7029.9546201229	Sum of GTIs [s]
date	2013-12-27T12:25:58	Date and time of file creation	ontime1	7029.9135801196	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	7029.8725401163	Sum of GTIs [s]
			ontime3	7030.0367001295	Sum of GTIs [s]
			ontime6	7029.8315001113	Sum of GTIs [s]
			ontime7	7029.9956601262	Sum of GTIs [s]
			l1events	759103	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	125097	128254	129362	131372	141351	103667	grade 0 events	12561	12247	12868	13097	12944	6839
rejected events	101089	104183	105170	107168	115837	57911		10%	9%	9%	9%	9%	6%
rejected %	80%	81%	81%	81%	81%	55%	grade 1 events	55	67	83	68	55	67
								0%	0%	0%	0%	0%	0%
							grade 2 events	5044	5187	4959	4727	5493	11619
								4%	4%	3%	3%	3%	11%
							grade 3 events	1721	1698	1771	1713	1753	4020
								1%	1%	1%	1%	1%	3%
							grade 4 events	1655	1692	1776	1836	1795	3945
								1%	1%	1%	1%	1%	3%
							grade 5 events	2488	2343	2321	2686	2547	6574
								1%	1%	1%	2%	1%	6%
							grade 6 events	4041	4229	3772	3814	4540	21140
								3%	3%	2%	2%	3%	20%
							grade 7 events	97532	100791	101812	103431	112224	49463
								77%	78%	78%	78%	79%	47%

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	142.4348192951851
[deg] Pointing Dec	0	17.5737168386203
[deg] Pointing Roll	0.0	73.95117519039438
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)	504464606.168898	504464606.168898
Observation start date	2013-12-26T17:03:26	2013-12-26T17:03:26
[s] Observation end time (MET)	504473683.029867	504473683.029867
Observation end date	2013-12-26T19:34:43	2013-12-26T19:34:43
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2013.12.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.0299956601262

A.2 Comments