

V&V Reference Report

L2 ASCDS Version : 10

Observation 53515 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jul 31 2013

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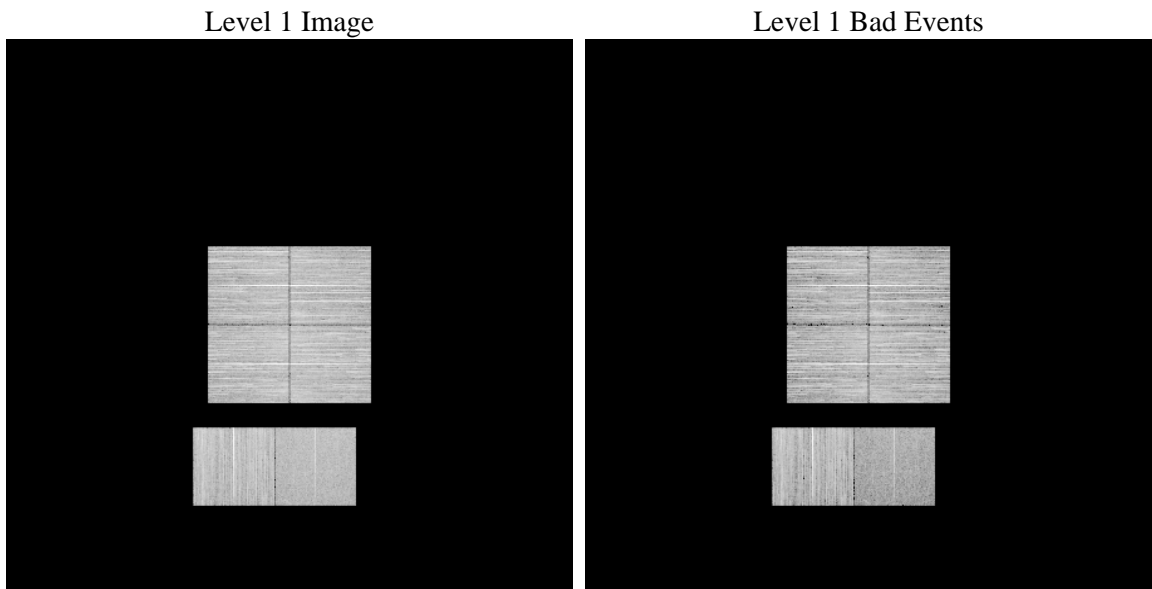
1 Front

seq_num	 	Sequence number
obs_id	53515	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	319.04963932827	Nominal RA [deg]
dec_nom	7.8570296800007	Nominal Dec [deg]
roll_nom	170.02866050613	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8014.6249270439	Sum of GTIs [s]
livetime	7913.1389203899	Livetime [s]
ontime0	8014.5838870406	Sum of GTIs [s]
ontime1	8014.5428470373	Sum of GTIs [s]
ontime2	8014.501807034	Sum of GTIs [s]
ontime3	8014.6659670472	Sum of GTIs [s]
ontime6	8014.4607670307	Sum of GTIs [s]
ontime7	8014.6249270439	Sum of GTIs [s]
l2events	198054	Number of level 2 events

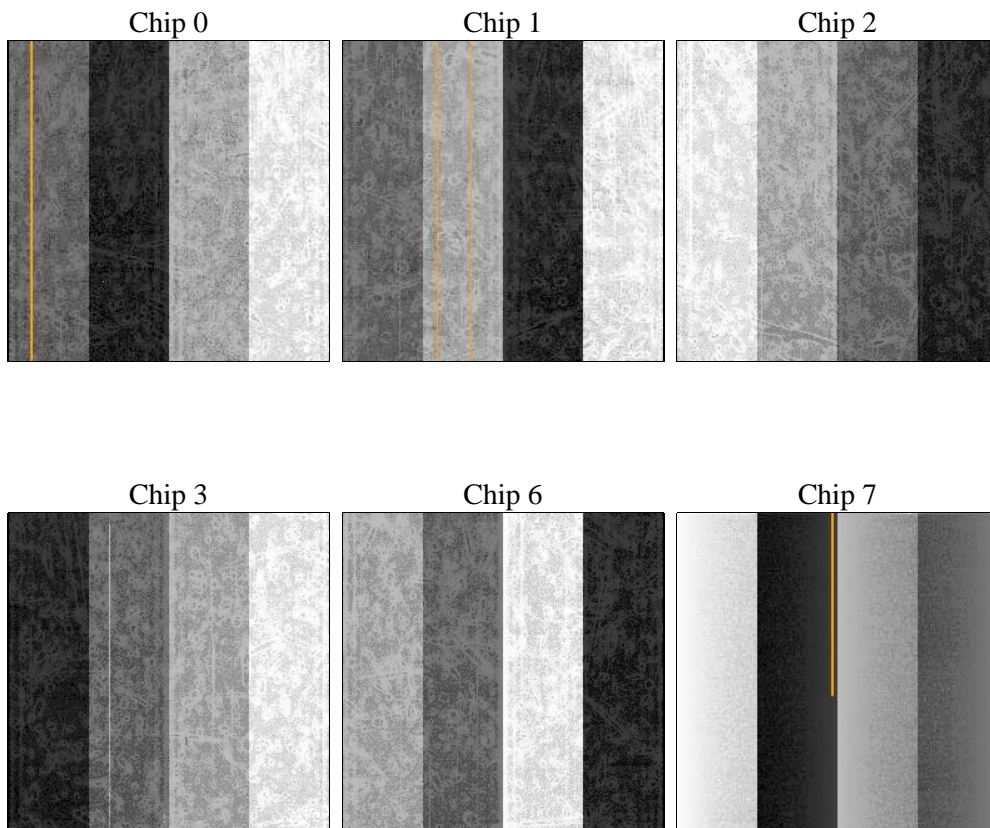
2 OBI

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	Processing system revision	ontime	8014.6249270439	Sum of GTIs [s]
caldsver	4.5.7	 	ontime0	8014.5838870406	Sum of GTIs [s]
date	2013-08-01T01:20:54	Date and time of file creation	ontime1	8014.5428470373	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8014.501807034	Sum of GTIs [s]
			ontime3	8014.6659670472	Sum of GTIs [s]
			ontime6	8014.4607670307	Sum of GTIs [s]
			ontime7	8014.6249270439	Sum of GTIs [s]
			l1events	881638	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	151910	146649	151467	156184	152346	123082	grade 0 events	16063	15485	16626	16540	16366	8532
rejected events	121185	116256	120774	125640	120336	67728		10%	10%	10%	10%	10%	6%
rejected %	79%	79%	79%	80%	78%	55%	grade 1 events	87	80	95	109	76	87
								0%	0%	0%	0%	0%	0%
							grade 2 events	6506	6529	6022	6036	6763	13951
								4%	4%	3%	3%	4%	11%
							grade 3 events	2125	2053	2203	2133	2181	4814
								1%	1%	1%	1%	1%	3%
							grade 4 events	2190	2117	2199	2206	2201	4707
								1%	1%	1%	1%	1%	3%
							grade 5 events	2771	2841	2732	3138	3188	7566
								1%	1%	1%	2%	2%	6%
							grade 6 events	4973	5296	4752	4772	5716	25314
								3%	3%	3%	3%	3%	20%
							grade 7 events	117195	112248	116838	121250	115855	58111
								77%	76%	77%	77%	76%	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	319.0496393282738
[deg] Pointing Dec	0	7.85702968000071
[deg] Pointing Roll	0.0	170.0286605061349
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)	491671830.569216	491671830.569216
Observation start date	2013-07-31T15:30:31	2013-07-31T15:30:30
[s] Observation end time (MET)	491681378.440196	491681378.440196
Observation end date	2013-07-31T18:09:38	2013-07-31T18:09:38
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)	2013.08.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0146249270439

A.2 Comments