

V&V Reference Report

L2 ASCDS Version : 10.3.3

Observation 52121 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jan 30 2015

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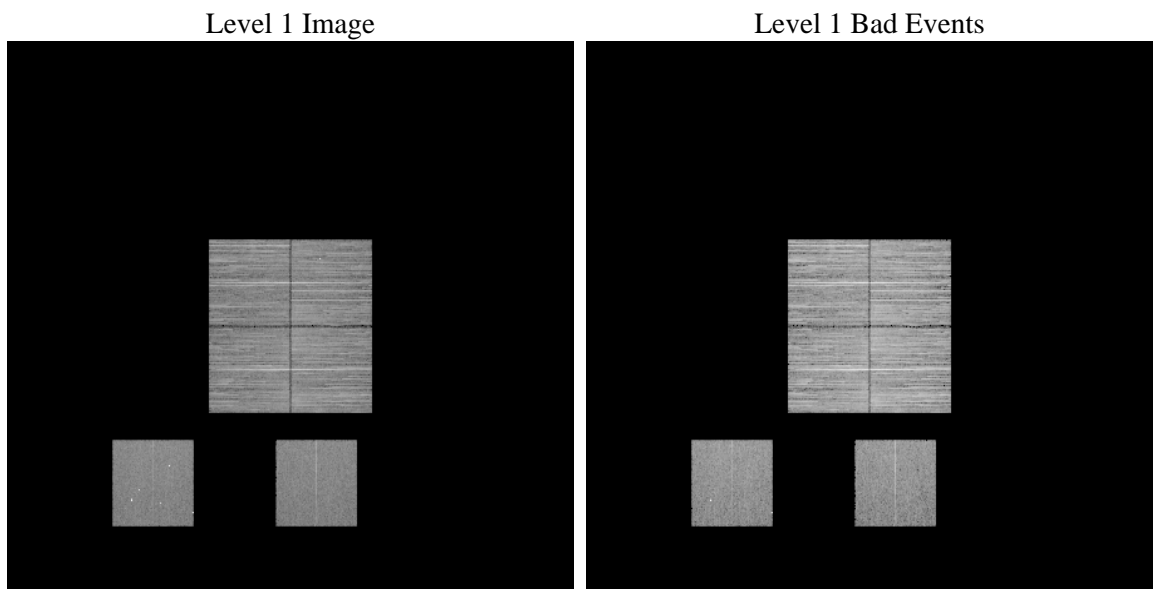
1 Front

seq_num	 	Sequence number
obs_id	52121	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	118.69570527391	Nominal RA [deg]
dec_nom	-11.343236687415	Nominal Dec [deg]
roll_nom	334.0020222388	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8027.7250373363	Sum of GTIs [s]
livetime	7926.0731491979	Livetime [s]
ontime0	8027.6839972734	Sum of GTIs [s]
ontime1	8027.6429573298	Sum of GTIs [s]
ontime2	8027.6019172668	Sum of GTIs [s]
ontime3	8027.76607728	Sum of GTIs [s]
ontime5	8027.5608773232	Sum of GTIs [s]
ontime7	8027.7250373363	Sum of GTIs [s]
l2events	172539	Number of level 2 events

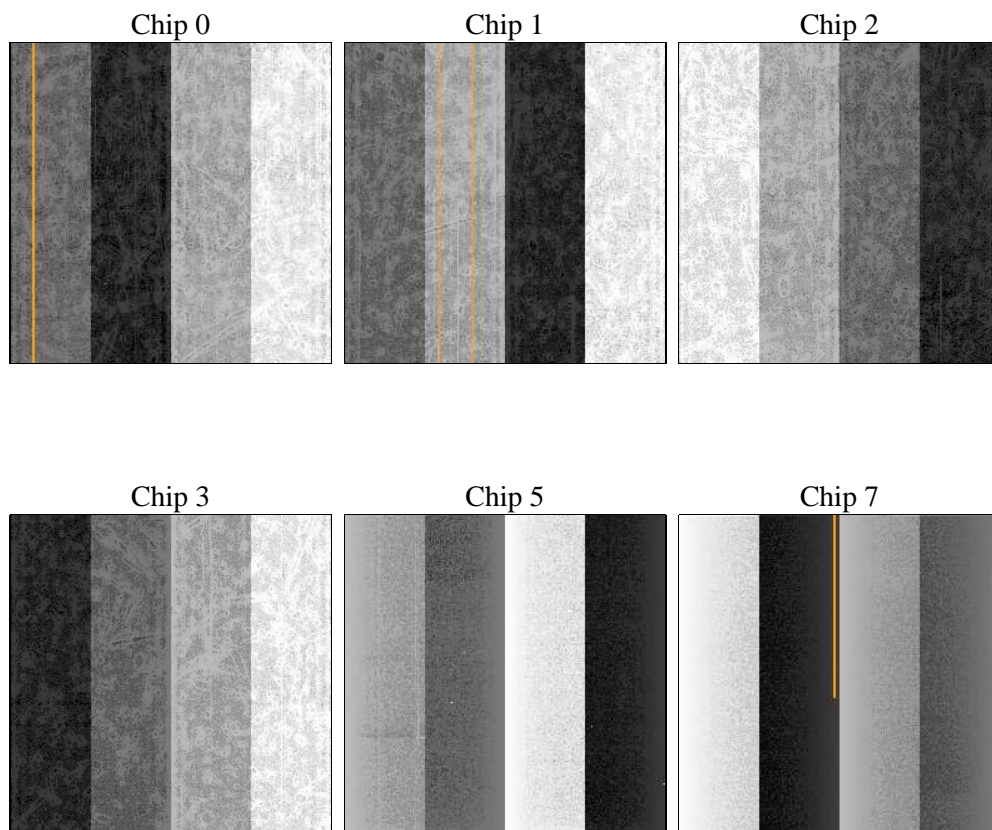
2 OBI

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	10.3.3	Processing system revision	ontime	8027.7250373363	Sum of GTIs [s]
caldsver	4.6.6	 	ontime0	8027.6839972734	Sum of GTIs [s]
date	2015-01-30T19:45:23	Date and time of file creation	ontime1	8027.6429573298	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8027.6019172668	Sum of GTIs [s]
			ontime3	8027.76607728	Sum of GTIs [s]
			ontime5	8027.5608773232	Sum of GTIs [s]
			ontime7	8027.7250373363	Sum of GTIs [s]
			l1events	809077	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	137463	144635	142018	155276	119348	110337	grade 0 events	10811	11228	11247	11358	8030	5855
rejected events	115279	121370	120206	132902	66341	64986		7%	7%	7%	7%	6%	5%
rejected %	83%	83%	84%	85%	55%	58%	grade 1 events	63	56	71	65	467	71
								0%	0%	0%	0%	0%	0%
							grade 2 events	4783	5413	4389	4494	18846	11633
								3%	3%	3%	2%	15%	10%
							grade 3 events	1571	1422	1610	1651	1492	3511
								1%	0%	1%	1%	1%	3%
							grade 4 events	1487	1461	1528	1587	1594	3444
								1%	1%	1%	1%	1%	3%
							grade 5 events	2673	2635	2578	2856	5243	6706
								1%	1%	1%	1%	4%	6%
							grade 6 events	3847	4086	3401	3636	23855	21612
								2%	2%	2%	2%	19%	19%
							grade 7 events	112228	118334	117194	129629	59821	57505
								81%	81%	82%	83%	50%	52%

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	118.6957052739116
[deg] Pointing Dec	0	-11.34323668741481
[deg] Pointing Roll	0.0	334.0020222387986
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)	538968896.079671	538968896.079671
Observation start date	2015-01-30T01:34:56	2015-01-30T01:34:56
[s] Observation end time (MET)	538978326.800028	538978326.800028
Observation end date	2015-01-30T04:12:07	2015-01-30T04:12:06
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)	2015.01.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0277250373363

A.2 Comments