

V&V Reference Report

L2 ASCDS Version : 10.4.1

Observation 51684 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Aug 19 2015

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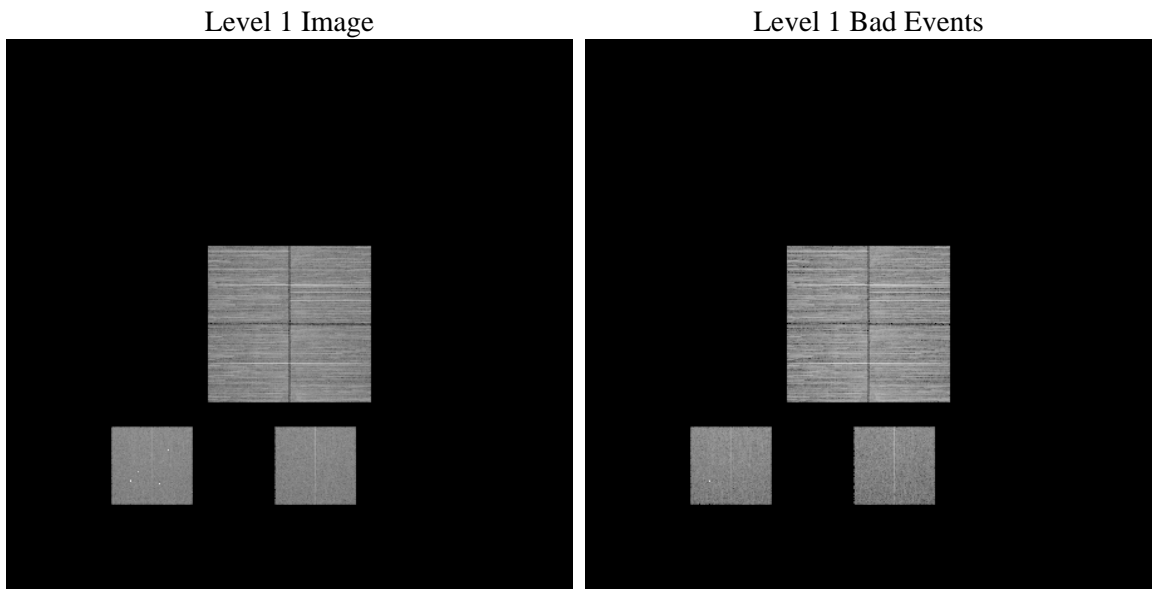
1 Front

seq_num	 	Sequence number
obs_id	51684	Observation id
title	ACIS-012357 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtycycle	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	323.61023207474	Nominal RA [deg]
dec_nom	0.98133701461545	Nominal Dec [deg]
roll_nom	196.38147453493	Nominal Roll [deg]
revision	1	Processing version of data
ontime	7963.693587184	Sum of GTIs [s]
livetime	7862.8525038224	Livetime [s]
ontime0	7963.652547121	Sum of GTIs [s]
ontime1	7963.6115071774	Sum of GTIs [s]
ontime2	7963.5704671144	Sum of GTIs [s]
ontime3	7963.7346271276	Sum of GTIs [s]
ontime5	7963.5294271708	Sum of GTIs [s]
ontime7	7963.693587184	Sum of GTIs [s]
l2events	233635	Number of level 2 events

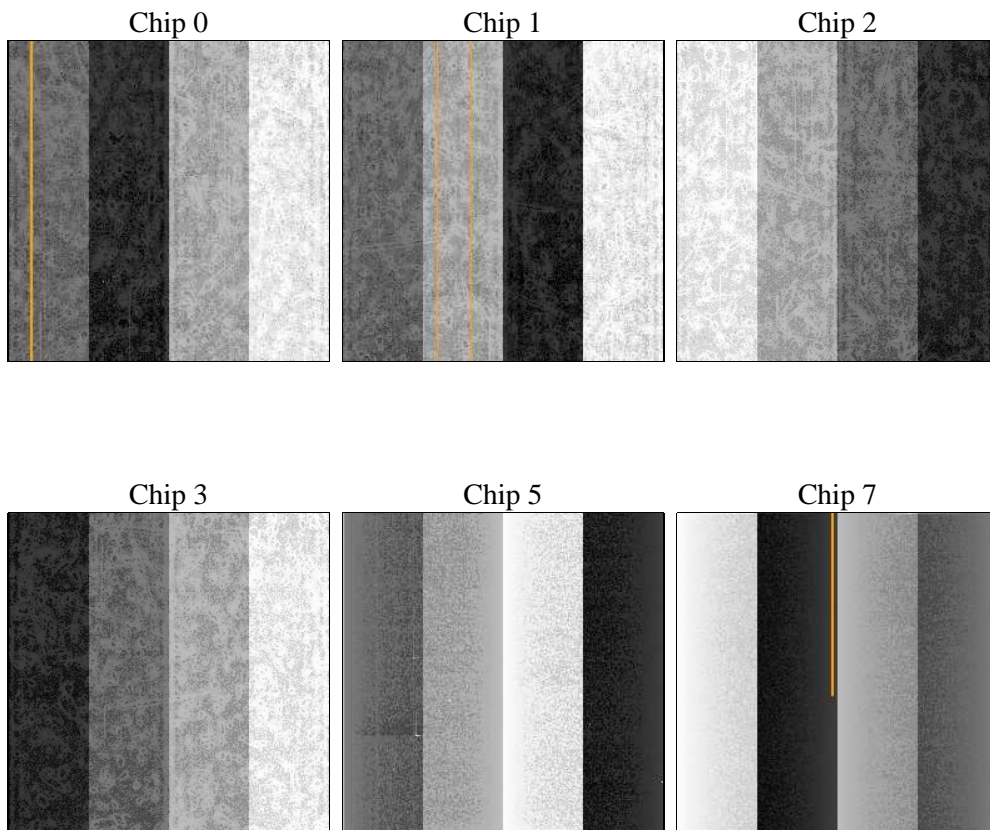
2 OBI

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	10.4.1	Processing system revision	ontime	7963.693587184	Sum of GTIs [s]
caldbver	4.6.8	 	ontime0	7963.652547121	Sum of GTIs [s]
date	2015-08-20T01:49:55	Date and time of file creation	ontime1	7963.6115071774	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	7963.5704671144	Sum of GTIs [s]
			ontime3	7963.7346271276	Sum of GTIs [s]
			ontime5	7963.5294271708	Sum of GTIs [s]
			ontime7	7963.693587184	Sum of GTIs [s]
			l1events	901782	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	158159	163404	156126	158602	141152	124339	grade 0 events	15135	14325	15643	15608	10243	8314
rejected events	126072	130947	124646	126375	74936	67280		9%	8%	10%	9%	7%	6%
rejected %	79%	80%	79%	79%	53%	54%	grade 1 events	74	63	87	77	147	89
								0%	0%	0%	0%	0%	0%
							grade 2 events	6830	7507	6061	6258	24033	14303
								4%	4%	3%	3%	17%	11%
							grade 3 events	2038	2060	2118	2176	1987	4411
								1%	1%	1%	1%	1%	3%
							grade 4 events	1999	2063	2105	2298	1899	4308
								1%	1%	1%	1%	1%	3%
							grade 5 events	2900	2960	2721	3071	6033	7367
								1%	1%	1%	1%	4%	5%
							grade 6 events	6100	6521	5571	5905	28085	25748
								3%	3%	3%	3%	19%	20%
							grade 7 events	123083	127905	121820	123209	68725	59799
								77%	78%	78%	77%	48%	48%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012357	ACIS-012357	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	323.6102320747383	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	0.9813370146154462	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	196.3814745349291	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-0.6828225247311905			
[mm] SIM defocus	0.1037507710433287	0.8505141146731063			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	556330541.803529	556330540.77853			
Observation start date	2015-08-19T00:15:42	2015-08-19T00:15:40			
[s] Observation end time (MET)	556347733.104499	556347732.0795			
Observation end date	2015-08-19T05:02:13	2015-08-19T05:02:12			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2015.08.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.963693587184

A.2 Comments