

V&V Reference Report

L2 ASCDS Version : 10.4.2.1

Observation 51488 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Nov 22 2015

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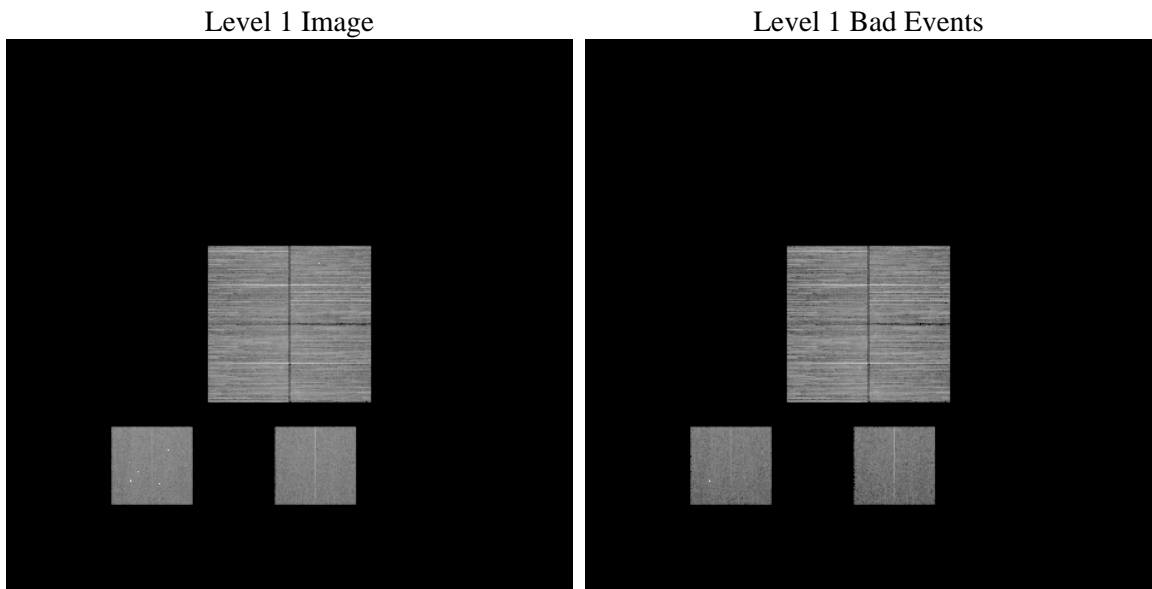
1 Front

seq_num	 	Sequence number
obs_id	51488	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	56.726879138944	Nominal RA [deg]
dec_nom	23.304318475727	Nominal Dec [deg]
roll_nom	102.56932481838	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8239.737983346	Sum of GTIs [s]
livetime	8135.4014596263	Livetime [s]
ontime0	8239.6969432831	Sum of GTIs [s]
ontime1	8239.6559033394	Sum of GTIs [s]
ontime2	8239.6148632765	Sum of GTIs [s]
ontime3	8239.7790232897	Sum of GTIs [s]
ontime5	8239.5738233328	Sum of GTIs [s]
ontime7	8239.737983346	Sum of GTIs [s]
l2events	172839	Number of level 2 events

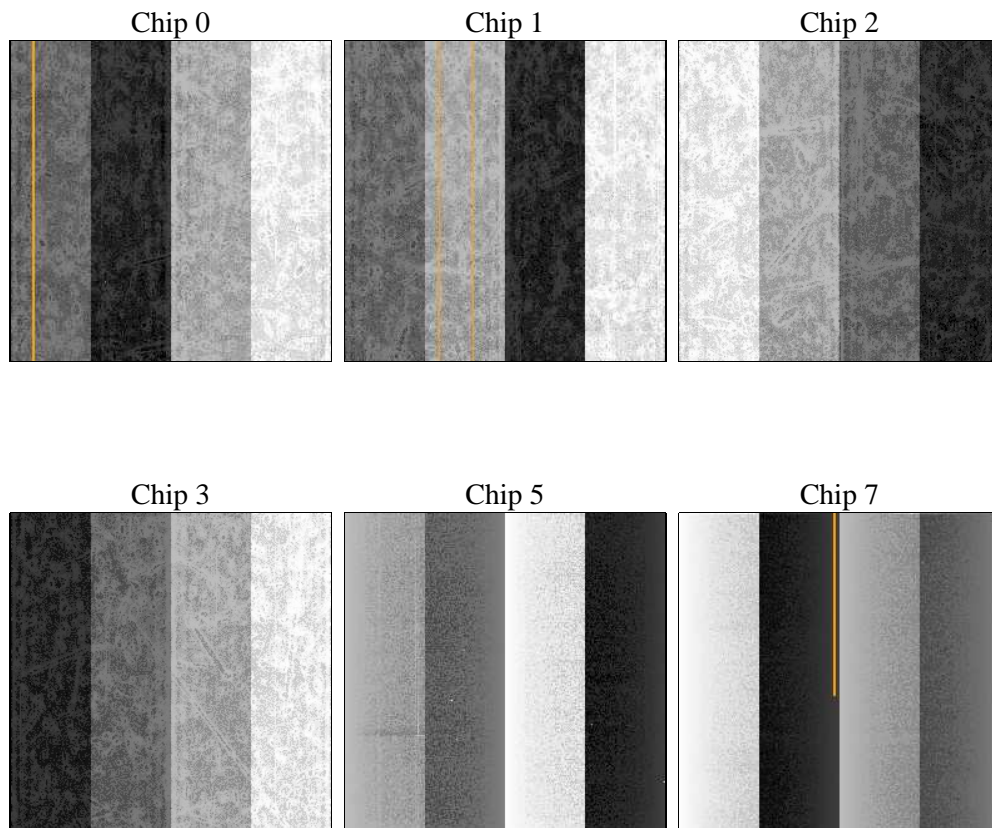
2 OBI

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	10.4.2.1	Processing system revision	ontime	8239.737983346	Sum of GTIs [s]
caldsver	4.6.10a	 	ontime0	8239.6969432831	Sum of GTIs [s]
date	2015-11-22T23:33:56	Date and time of file creation	ontime1	8239.6559033394	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8239.6148632765	Sum of GTIs [s]
			ontime3	8239.7790232897	Sum of GTIs [s]
			ontime5	8239.5738233328	Sum of GTIs [s]
			ontime7	8239.737983346	Sum of GTIs [s]
			l1events	918892	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	156255	166576	174041	162067	138739	121214	grade 0 events	9619	10419	10105	10201	10166	5460
rejected events	135845	144341	153534	141388	79552	73210		6%	6%	5%	6%	7%	4%
rejected %	86%	86%	88%	87%	57%	60%	grade 1 events	51	56	53	63	151	95
								0%	0%	0%	0%	0%	0%
							grade 2 events	4617	5240	4367	4371	19581	11898
								2%	3%	2%	2%	14%	9%
							grade 3 events	1419	1382	1460	1403	1505	3500
								0%	0%	0%	0%	1%	2%
							grade 4 events	1373	1425	1428	1521	1390	3537
								0%	0%	0%	0%	1%	2%
							grade 5 events	2849	2880	2785	3325	5697	7574
								1%	1%	1%	2%	4%	6%
							grade 6 events	3467	3883	3226	3265	26825	23812
								2%	2%	1%	2%	19%	19%
							grade 7 events	132860	141291	150617	137918	73424	65338
								85%	84%	86%	85%	52%	53%

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	OVERRIDE	OVERRIDE
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	56.7268791389445	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	23.30431847572682	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	102.5693248183837	[s] Primary exposure time	3.2	3.2
SIM focus pos (mm)	-0.68282252473119	-0.68282252473119			
[mm] SIM defocus	0.8505140384245534	0.8505140384245534			
SIM translation stage pos (mm)	250.4635187649	250.4635187649			
[mm] SIM translation stage offset	-0.007542945905271381	-0.007542945905271381			
[s] Observation start time (MET)	564559548.507681	564559548.507681			
Observation start date	2015-11-22T06:05:49	2015-11-22T06:05:48			
[s] Observation end time (MET)	564568531.98236	564568531.98236			
Observation end date	2015-11-22T08:35:32	2015-11-22T08:35:31			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Doug Morgan
V&V Date (YYYY-MM-DD)	2015.11.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.239737983346

A.2 Comments