

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 50961 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jun 10 2016

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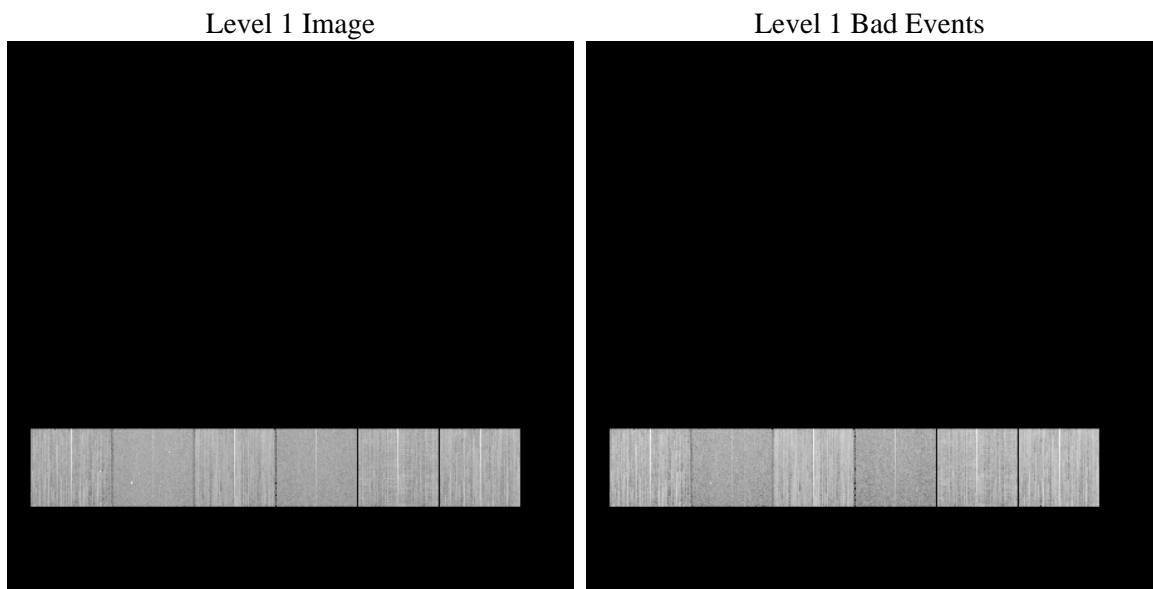
1 Front

seq_num	 	Sequence number
obs_id	50961	Observation id
title	ACIS-456789 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	110.4447753595	Nominal RA [deg]
dec_nom	-46.470326302284	Nominal Dec [deg]
roll_nom	325.92723000546	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8080.0001204014	Sum of GTIs [s]
livetime	7977.6862936849	Livetime [s]
ontime4	8080.0001204014	Sum of GTIs [s]
ontime5	8080.0001204014	Sum of GTIs [s]
ontime6	8080.0001204014	Sum of GTIs [s]
ontime7	8080.0001204014	Sum of GTIs [s]
ontime8	8080.0001204014	Sum of GTIs [s]
ontime9	8080.0001204014	Sum of GTIs [s]
l2events	196542	Number of level 2 events

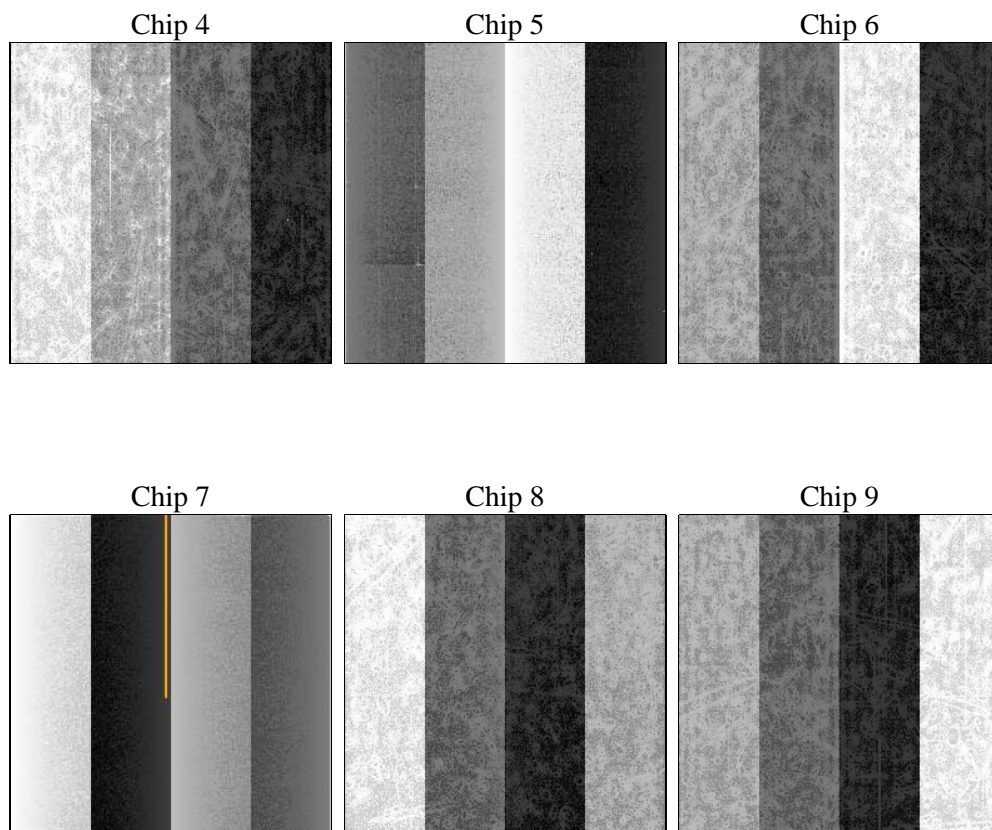
2 OBI

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	10.4.3.1	Processing system revision	ontime	8080.0001204014	Sum of GTIs [s]
caldsver	4.7.2	 	ontime4	8080.0001204014	Sum of GTIs [s]
date	2016-06-11T02:01:20	Date and time of file creation	ontime5	8080.0001204014	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8080.0001204014	Sum of GTIs [s]
			ontime7	8080.0001204014	Sum of GTIs [s]
			ontime8	8080.0001204014	Sum of GTIs [s]
			ontime9	8080.0001204014	Sum of GTIs [s]
			l1events	1062286	Number of level 1 events

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	181344	155419	198966	139685	184841	202031	grade 0 events	12076	5183	10410	6341	14175	10538
rejected events	158011	93068	176126	85127	149161	179296		6%	3%	5%	4%	7%	5%
rejected %	87%	59%	88%	60%	80%	88%	grade 1 events	134	279	87	124	107	89
								0%	0%	0%	0%	0%	0%
							grade 2 events	4746	23035	5327	13712	8191	5038
								2%	14%	2%	9%	4%	2%
							grade 3 events	1728	2217	1603	4393	2981	1663
								0%	1%	0%	3%	1%	0%
							grade 4 events	1732	1966	1580	4177	2949	1688
								0%	1%	0%	2%	1%	0%
							grade 5 events	3888	7766	3827	9495	5352	4297
								2%	4%	1%	6%	2%	2%
							grade 6 events	3647	31343	4572	27166	8292	4414
								2%	20%	2%	19%	4%	2%
							grade 7 events	153393	83630	171560	74277	142794	174304
								84%	53%	86%	53%	77%	86%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	110.4447753594989
[deg] Pointing Dec	0	-46.47032630228419
[deg] Pointing Roll	0.0	325.927230005462
SIM focus pos (mm)	-0.68282252473119	-0.68282252473119
[mm] SIM defocus	0.8505140384245534	0.8505140384245534
SIM translation stage pos (mm)	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	581919828.8821729	581919828.8821729
Observation start date	2016-06-10T04:23:49	2016-06-10T04:23:48
[s] Observation end time (MET)	581929374.66243	581929374.66243
Observation end date	2016-06-10T07:02:55	2016-06-10T07:02:54
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)	2016.06.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0800001204014

A.2 Comments