

V&V Reference Report

L2 ASCDS Version : 10.4.2.1

Observation 51427 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Dec 11 2015

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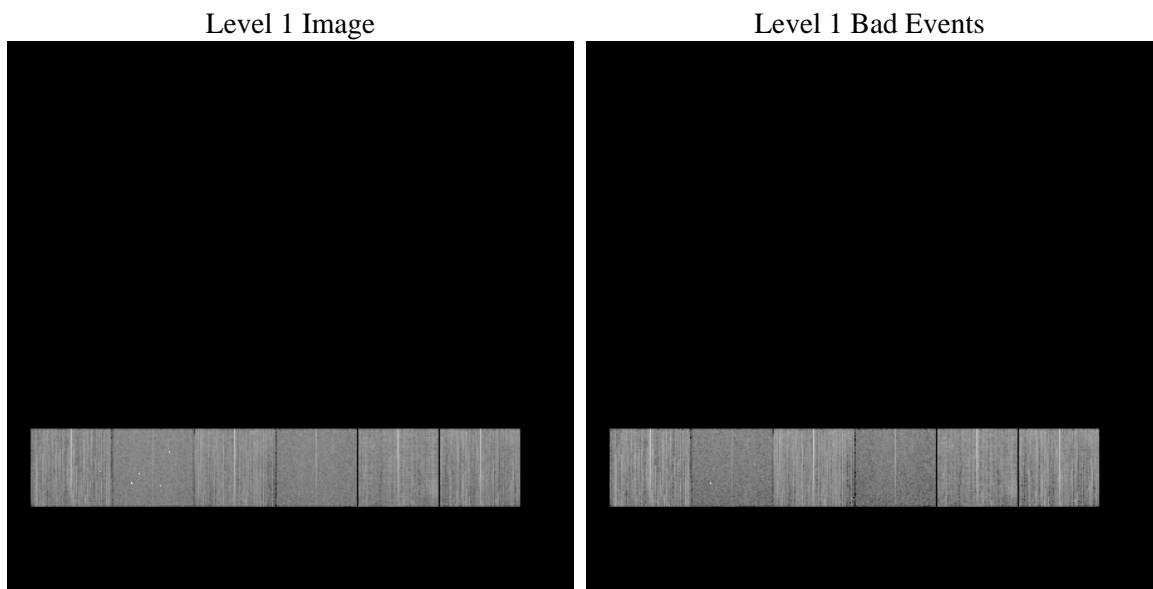
1 Front

seq_num	 	Sequence number
obs_id	51427	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	55.028417378719	Nominal RA [deg]
dec_nom	1.3947763577901	Nominal Dec [deg]
roll_nom	316.82193288687	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8200.1885498762	Sum of GTIs [s]
livetime	8096.3528248969	Livetime [s]
ontime4	8200.0654298067	Sum of GTIs [s]
ontime5	8200.1475098133	Sum of GTIs [s]
ontime6	8200.1064698696	Sum of GTIs [s]
ontime7	8200.1885498762	Sum of GTIs [s]
ontime8	8200.024389863	Sum of GTIs [s]
ontime9	8196.9885095358	Sum of GTIs [s]
l2events	188336	Number of level 2 events

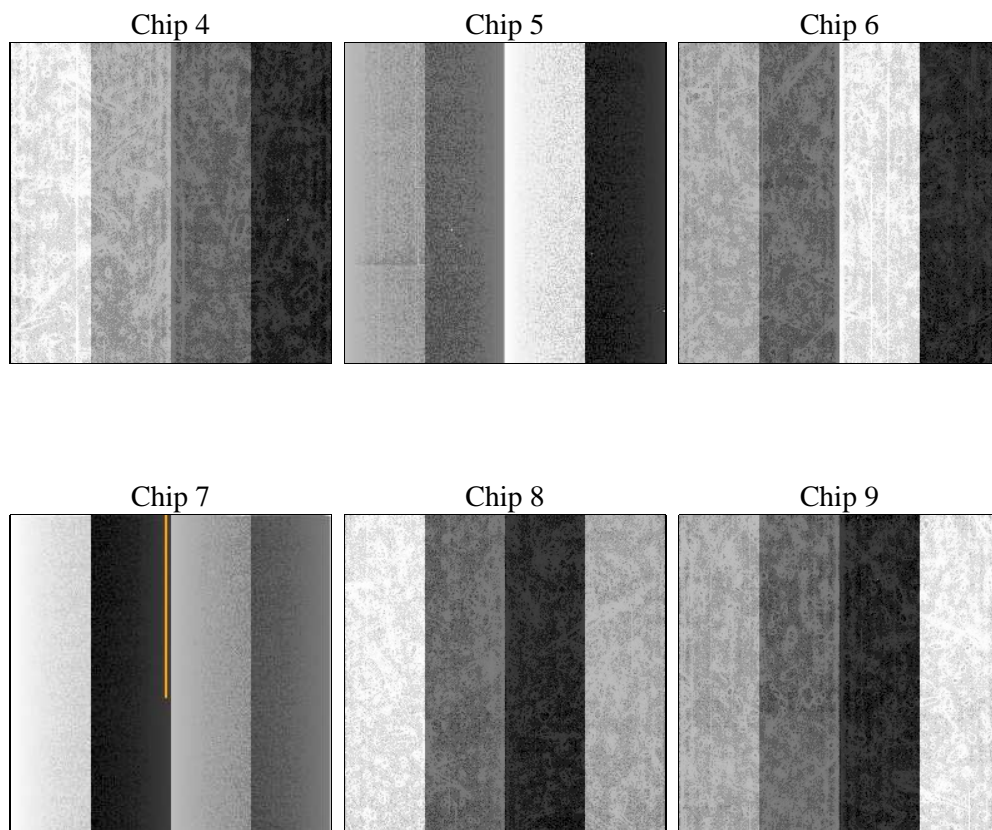
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	10.4.2.1	Processing system revision	ontime	8200.1885498762	Sum of GTIs [s]
caldsver	4.6.10a	 	ontime4	8200.0654298067	Sum of GTIs [s]
date	2015-12-11T15:25:12	Date and time of file creation	ontime5	8200.1475098133	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8200.1064698696	Sum of GTIs [s]
			ontime7	8200.1885498762	Sum of GTIs [s]
			ontime8	8200.024389863	Sum of GTIs [s]
			ontime9	8196.9885095358	Sum of GTIs [s]
			l1events	922403	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	164078	140551	168541	123673	163747	161813	grade 0 events	12686	9596	10884	5962	14255	11233
rejected events	139994	80305	144488	74225	129838	138052		7%	6%	6%	4%	8%	6%
rejected %	85%	57%	85%	60%	79%	85%	grade 1 events	122	171	67	91	84	70
								0%	0%	0%	0%	0%	0%
							grade 2 events	4965	20928	5802	12711	7688	5075
								3%	14%	3%	10%	4%	3%
							grade 3 events	1763	1535	1613	3692	2784	1756
								1%	1%	0%	2%	1%	1%
							grade 4 events	1729	1474	1538	3646	2618	1649
								1%	1%	0%	2%	1%	1%
							grade 5 events	3286	6277	3103	7490	4273	3538
								2%	4%	1%	6%	2%	2%
							grade 6 events	3760	27585	5008	24384	7467	4862
								2%	19%	2%	19%	4%	3%
							grade 7 events	135767	72985	140526	65697	124578	133630
								82%	51%	83%	53%	76%	82%

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	55.02841737871889
[deg] Pointing Dec	0	1.394776357790096
[deg] Pointing Roll	0.0	316.8219328868677
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)	566155291.148079	566155291.148079
Observation start date	2015-12-10T17:21:31	2015-12-10T17:21:31
[s] Observation end time (MET)	566164570.044805	566164570.044805
Observation end date	2015-12-10T19:56:10	2015-12-10T19:56:10
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)	2015.12.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2001885498762

A.2 Comments