

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 51021 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : May 17 2016

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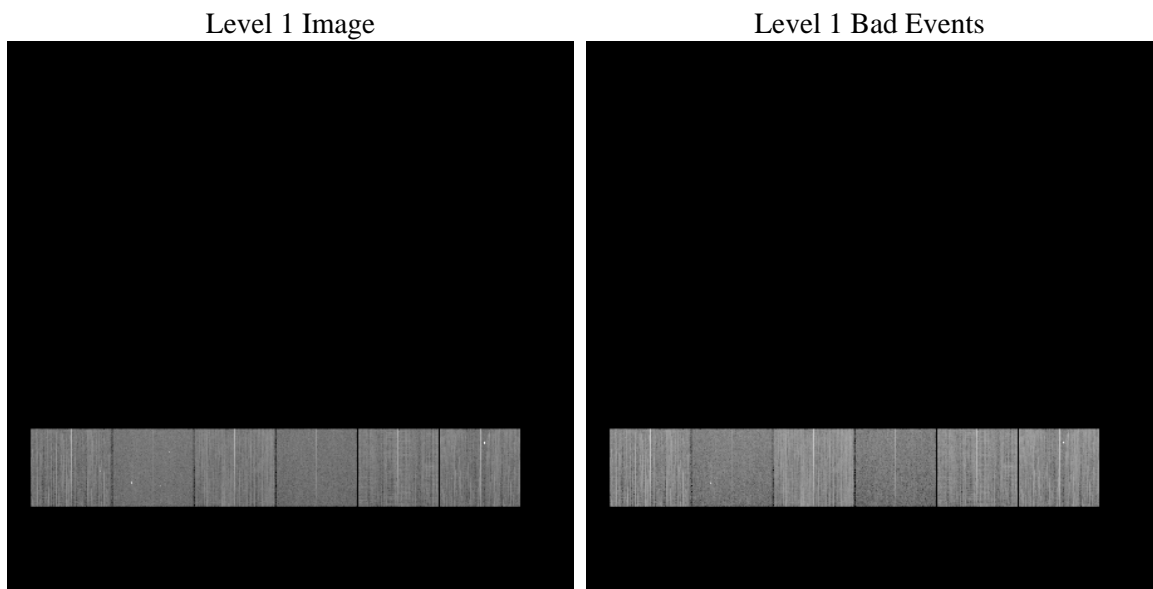
1 Front

seq_num	 	Sequence number
obs_id	51021	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	246.03395049203	Nominal RA [deg]
dec_nom	-36.018128294072	Nominal Dec [deg]
roll_nom	182.95817598653	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8230.4001226425	Sum of GTIs [s]
livetime	8126.1818405376	Livetime [s]
ontime4	8230.4001226425	Sum of GTIs [s]
ontime5	8230.4001226425	Sum of GTIs [s]
ontime6	8230.4001226425	Sum of GTIs [s]
ontime7	8230.4001226425	Sum of GTIs [s]
ontime8	8230.4001226425	Sum of GTIs [s]
ontime9	8230.4001226425	Sum of GTIs [s]
l2events	191867	Number of level 2 events

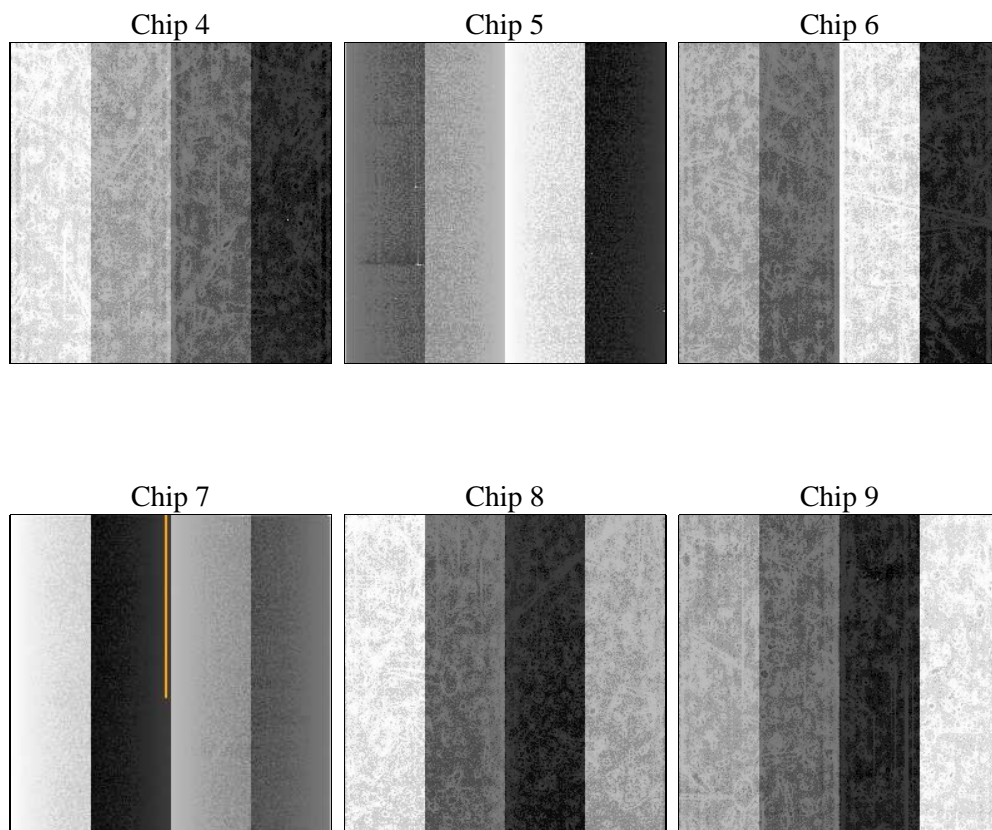
2 OBI

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	8230.4001226425	Sum of GTIs [s]
caldbver	4.7.1	 	ontime4	8230.4001226425	Sum of GTIs [s]
date	2016-05-17T17:03:36	Date and time of file creation	ontime5	8230.4001226425	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8230.4001226425	Sum of GTIs [s]
			ontime7	8230.4001226425	Sum of GTIs [s]
			ontime8	8230.4001226425	Sum of GTIs [s]
			ontime9	8230.4001226425	Sum of GTIs [s]
			l1events	1023735	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	175381	149833	191560	135379	182009	189573	grade 0 events	11121	4998	10086	6048	13736	12807
rejected events	153253	88543	169441	81398	147024	162302		6%	3%	5%	4%	7%	6%
rejected %	87%	59%	88%	60%	80%	85%	grade 1 events	148	182	68	97	86	88
								0%	0%	0%	0%	0%	0%
							grade 2 events	4551	22243	4945	13463	7987	7457
								2%	14%	2%	9%	4%	3%
							grade 3 events	1692	1950	1552	4153	2974	1531
								0%	1%	0%	3%	1%	0%
							grade 4 events	1669	1802	1493	3968	2779	1613
								0%	1%	0%	2%	1%	0%
							grade 5 events	3622	7012	3615	8913	4805	4069
								2%	4%	1%	6%	2%	2%
							grade 6 events	3288	30614	4215	26655	7735	4059
								1%	20%	2%	19%	4%	2%
							grade 7 events	149290	81032	165586	72082	141907	157949
								85%	54%	86%	53%	77%	83%

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	246.0339504920251
[deg] Pointing Dec	0	-36.01812829407177
[deg] Pointing Roll	0.0	182.9581759865268
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)	579864088.764498	579864088.764498
Observation start date	2016-05-17T09:21:29	2016-05-17T09:21:28
[s] Observation end time (MET)	579873634.300894	579873634.300894
Observation end date	2016-05-17T12:00:34	2016-05-17T12:00:34
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	Jen Lauer
V&V Date (YYYY-MM-DD)	2016.05.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2304001226425

A.2 Comments