

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 51070 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : May 2 2016

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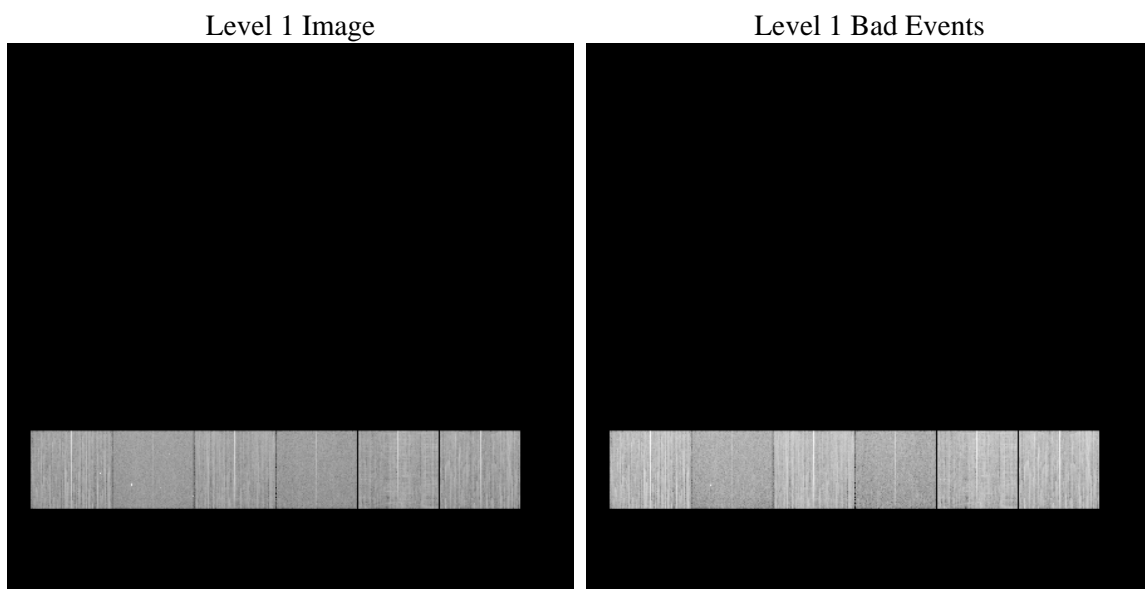
1 Front

seq_num	 	Sequence number
obs_id	51070	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	199.02757183071	Nominal RA [deg]
dec_nom	-32.009709865356	Nominal Dec [deg]
roll_nom	308.25965999989	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8256.000123024	Sum of GTIs [s]
livetime	8151.4576782998	Livetime [s]
ontime4	8252.7591620684	Sum of GTIs [s]
ontime5	8256.000123024	Sum of GTIs [s]
ontime6	8256.000123024	Sum of GTIs [s]
ontime7	8256.000123024	Sum of GTIs [s]
ontime8	8256.000123024	Sum of GTIs [s]
ontime9	8256.000123024	Sum of GTIs [s]
l2events	184900	Number of level 2 events

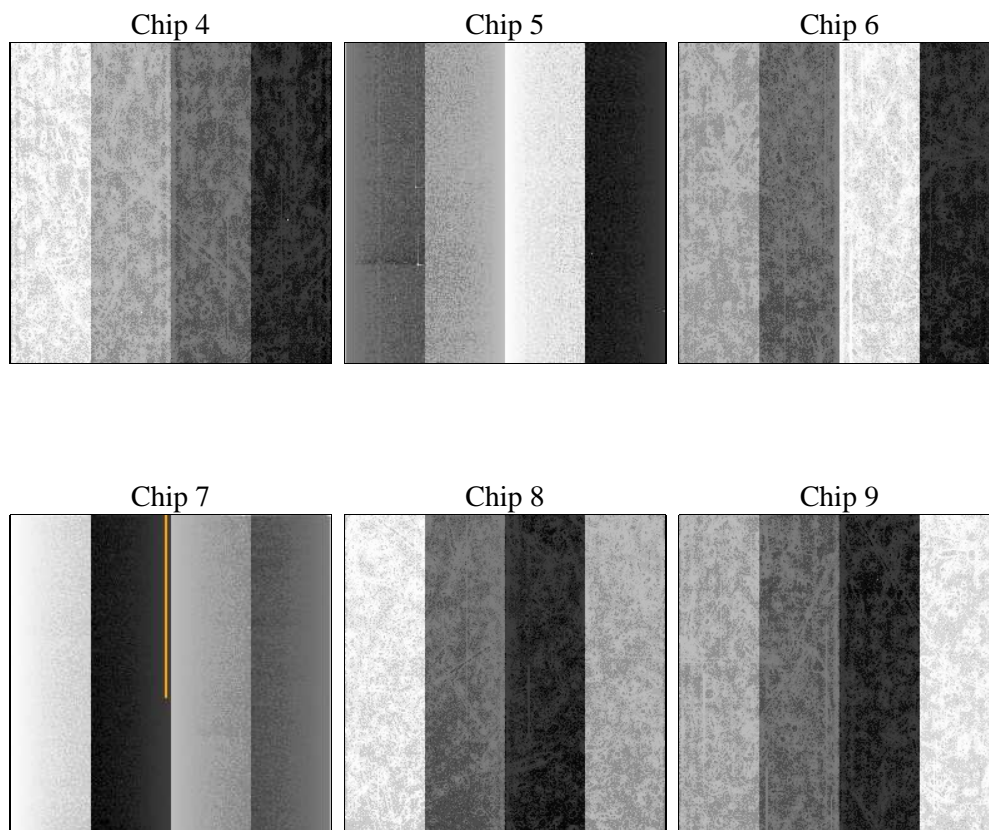
2 OBI

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	8256.000123024	Sum of GTIs [s]
caldsver	4.7.1	 	ontime4	8252.7591620684	Sum of GTIs [s]
date	2016-05-02T11:55:56	Date and time of file creation	ontime5	8256.000123024	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8256.000123024	Sum of GTIs [s]
			ontime7	8256.000123024	Sum of GTIs [s]
			ontime8	8256.000123024	Sum of GTIs [s]
			ontime9	8256.000123024	Sum of GTIs [s]
			l1events	1025700	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	188799	147210	185249	134024	184507	185911	grade 0 events	11349	4886	9679	5690	12690	9684
rejected events	166955	87069	163918	81155	151729	165021		6%	3%	5%	4%	6%	5%
rejected %	88%	59%	88%	60%	82%	88%	grade 1 events	124	183	58	106	93	86
								0%	0%	0%	0%	0%	0%
							grade 2 events	4195	21874	4774	12972	7441	4427
								2%	14%	2%	9%	4%	2%
							grade 3 events	1690	1849	1472	4099	2735	1562
								0%	1%	0%	3%	1%	0%
							grade 4 events	1489	1836	1436	4031	2619	1503
								0%	1%	0%	3%	1%	0%
							grade 5 events	3693	7117	3545	8965	4916	4142
								1%	4%	1%	6%	2%	2%
							grade 6 events	3121	29696	3970	26077	7293	3714
								1%	20%	2%	19%	3%	1%
							grade 7 events	163138	79769	160315	72084	146720	160793
								86%	54%	86%	53%	79%	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	199.0275718307075
[deg] Pointing Dec	0	-32.00970986535551
[deg] Pointing Roll	0.0	308.2596599998881
[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)	578494010.1361279	578494009.11113
Observation start date	2016-05-01T12:46:50	2016-05-01T12:46:49
[s] Observation end time (MET)	578522517.437758	578522516.41276
Observation end date	2016-05-01T20:41:57	2016-05-01T20:41:56
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
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)	2016.05.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.256000123024

A.2 Comments