

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 50994 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : May 28 2016

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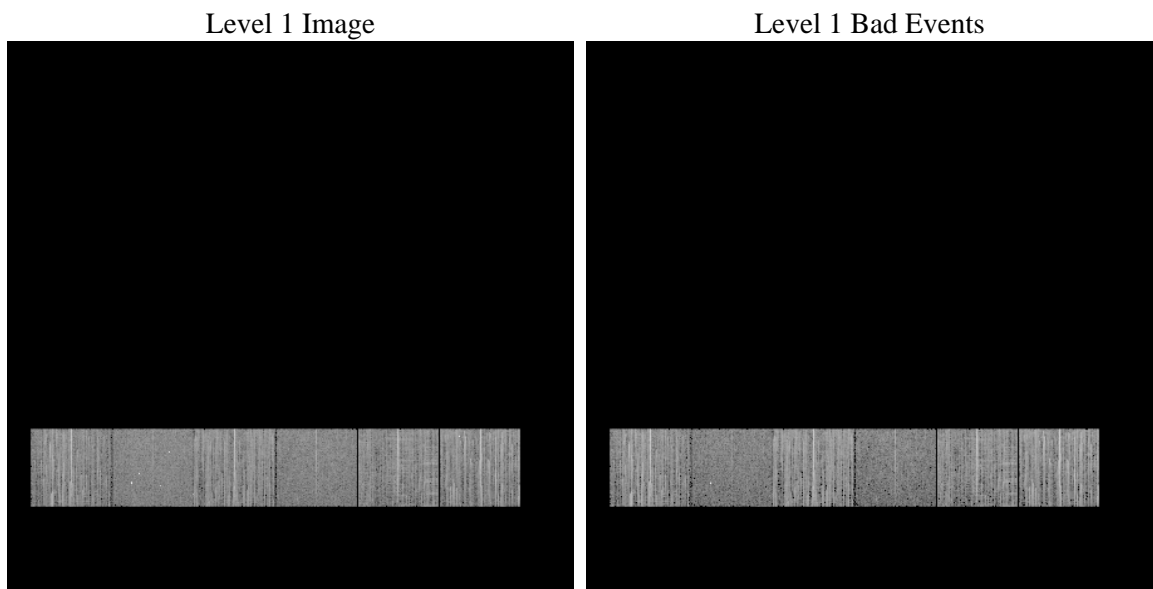
1 Front

seq_num	 	Sequence number
obs_id	50994	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	223.53602094439	Nominal RA [deg]
dec_nom	-8.8214860928107	Nominal Dec [deg]
roll_nom	242.06779774401	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3403.835316062	Sum of GTIs [s]
livetime	3360.7339037464	Livetime [s]
ontime4	3403.7121959925	Sum of GTIs [s]
ontime5	3403.7942759991	Sum of GTIs [s]
ontime6	3403.7532360554	Sum of GTIs [s]
ontime7	3403.835316062	Sum of GTIs [s]
ontime8	3403.6711560488	Sum of GTIs [s]
ontime9	3403.8763560057	Sum of GTIs [s]
l2events	73617	Number of level 2 events

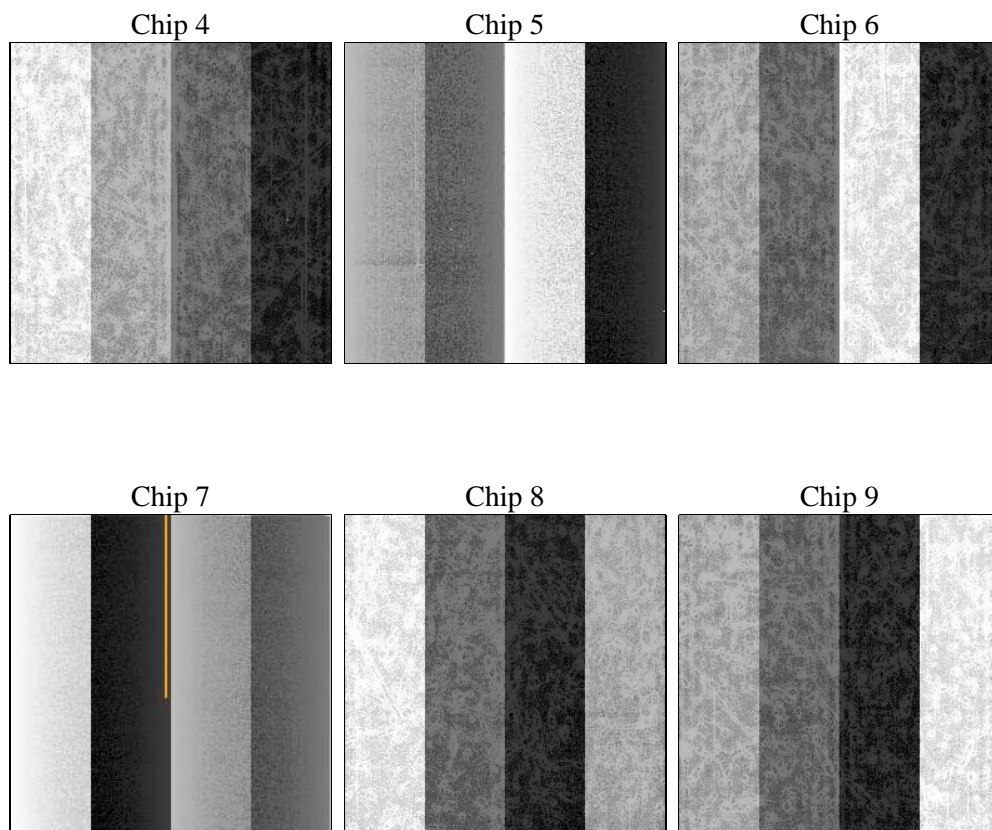
2 OBI

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	3403.835316062	Sum of GTIs [s]
caldbver	4.7.1	 	ontime4	3403.7121959925	Sum of GTIs [s]
date	2016-05-28T22:09:17	Date and time of file creation	ontime5	3403.7942759991	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	3403.7532360554	Sum of GTIs [s]
			ontime7	3403.835316062	Sum of GTIs [s]
			ontime8	3403.6711560488	Sum of GTIs [s]
			ontime9	3403.8763560057	Sum of GTIs [s]
			l1events	431697	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	75194	62645	80299	55941	73575	84043	grade 0 events	4269	3139	3410	2114	5044	4299
rejected events	66793	37000	71865	35153	60742	75089		5%	5%	4%	3%	6%	5%
rejected %	88%	59%	89%	62%	82%	89%	grade 1 events	42	98	22	47	36	34
								0%	0%	0%	0%	0%	0%
							grade 2 events	1715	8810	2364	5294	3067	1925
								2%	14%	2%	9%	4%	2%
							grade 3 events	670	706	535	1442	1024	600
								0%	1%	0%	2%	1%	0%
							grade 4 events	592	633	506	1444	982	596
								0%	1%	0%	2%	1%	0%
							grade 5 events	1527	2885	1351	3228	1940	1604
								2%	4%	1%	5%	2%	1%
							grade 6 events	1210	12513	1675	10625	2835	1581
								1%	19%	2%	18%	3%	1%
							grade 7 events	65169	33861	70436	31747	58647	73404
								86%	54%	87%	56%	79%	87%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
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	223.53602094439	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-8.821486092810742	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	242.0677977440129	[s] Primary exposure time	3.2	3.2
[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)	580821500.3192869	580821499.2942899			
Observation start date	2016-05-28T11:18:20	2016-05-28T11:18:19			
[s] Observation end time (MET)	580829306.719734	580829305.69473			
Observation end date	2016-05-28T13:28:27	2016-05-28T13:28:25			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2016.05.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.403835316062

A.2 Comments