

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 52524 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Aug 22 2014

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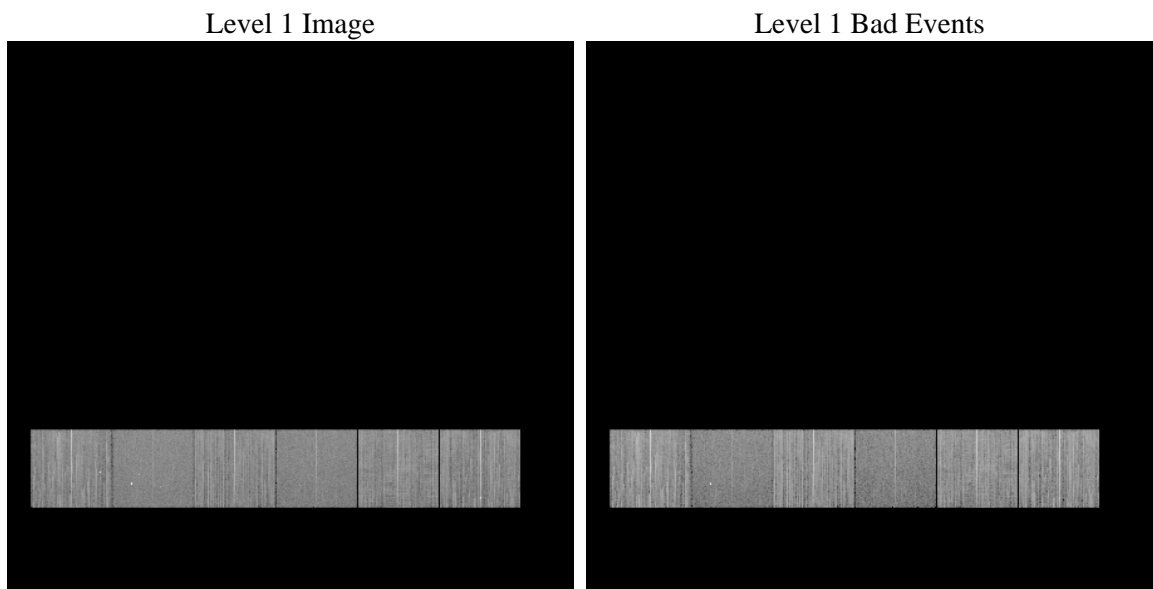
1 Front

seq_num	 	Sequence number
obs_id	52524	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	346.44470531916	Nominal RA [deg]
dec_nom	-21.937737171515	Nominal Dec [deg]
roll_nom	54.603881579638	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8172.7999696136	Sum of GTIs [s]
livetime	8069.311055329	Livetime [s]
ontime4	8172.7999696136	Sum of GTIs [s]
ontime5	8172.7999696136	Sum of GTIs [s]
ontime6	8172.7999696136	Sum of GTIs [s]
ontime7	8172.7999696136	Sum of GTIs [s]
ontime8	8172.7999696136	Sum of GTIs [s]
ontime9	8172.7999696136	Sum of GTIs [s]
l2events	199019	Number of level 2 events

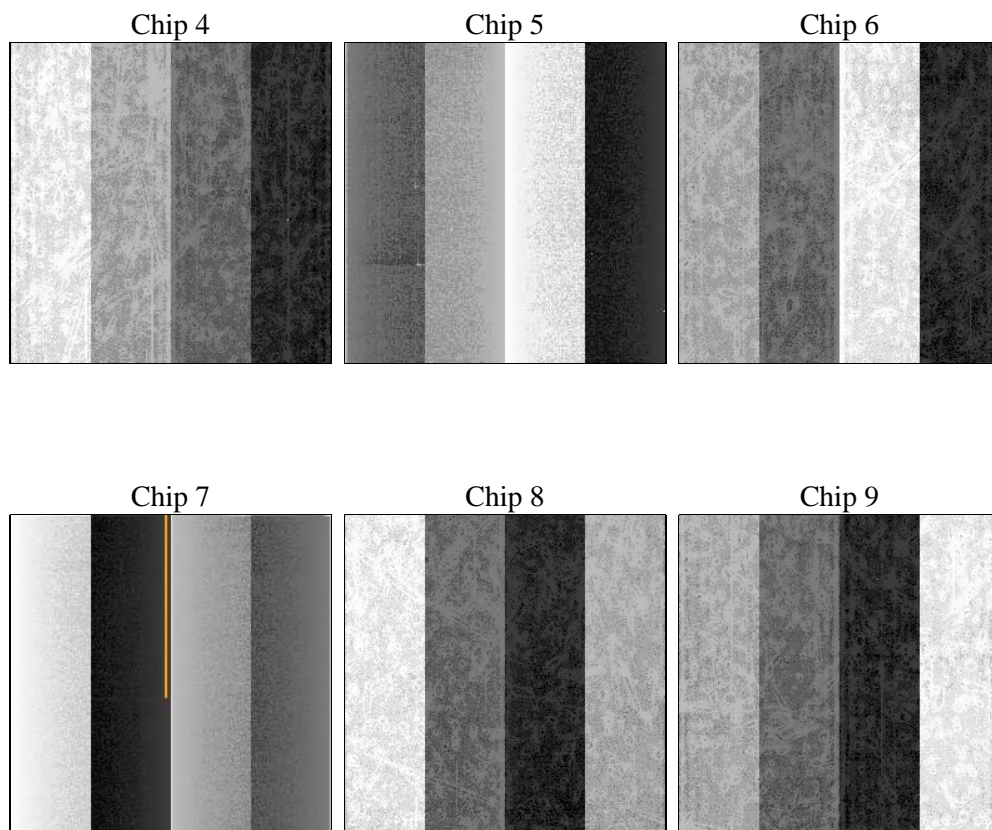
2 OBI

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	10.2.4	Processing system revision	ontime	8172.7999696136	Sum of GTIs [s]
caldsver	4.6.2	 	ontime4	8172.7999696136	Sum of GTIs [s]
date	2014-08-22T17:00:06	Date and time of file creation	ontime5	8172.7999696136	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8172.7999696136	Sum of GTIs [s]
			ontime7	8172.7999696136	Sum of GTIs [s]
			ontime8	8172.7999696136	Sum of GTIs [s]
			ontime9	8172.7999696136	Sum of GTIs [s]
			l1events	899454	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	161161	135209	159173	124389	159010	160512	grade 0 events	14590	5635	13288	7052	15953	13304
rejected events	135151	78285	132781	72529	122945	133693		9%	4%	8%	5%	10%	8%
rejected %	83%	57%	83%	58%	77%	83%	grade 1 events	111	150	66	100	98	89
								0%	0%	0%	0%	0%	0%
							grade 2 events	5084	22056	5690	13140	7874	6213
								3%	16%	3%	10%	4%	3%
							grade 3 events	1918	1963	1836	4403	2894	1890
								1%	1%	1%	3%	1%	1%
							grade 4 events	1834	1890	1789	4171	2874	1830
								1%	1%	1%	3%	1%	1%
							grade 5 events	3345	6518	3254	7867	4395	3719
								2%	4%	2%	6%	2%	2%
							grade 6 events	3518	27384	4741	24832	7553	4520
								2%	20%	2%	19%	4%	2%
							grade 7 events	130761	69613	128509	62824	117369	128947
								81%	51%	80%	50%	73%	80%

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	346.4447053191564
[deg] Pointing Dec	0	-21.93773717151502
[deg] Pointing Roll	0.0	54.60388157963834
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)	525064409.505834	525064409.505834
Observation start date	2014-08-22T03:13:30	2014-08-22T03:13:29
[s] Observation end time (MET)	525075890.245971	525075890.245971
Observation end date	2014-08-22T06:24:50	2014-08-22T06:24:50
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)	2014.08.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1727999696136

A.2 Comments