

V&V Reference Report

L2 ASCDS Version : 10.3.3

Observation 51954 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Apr 14 2015

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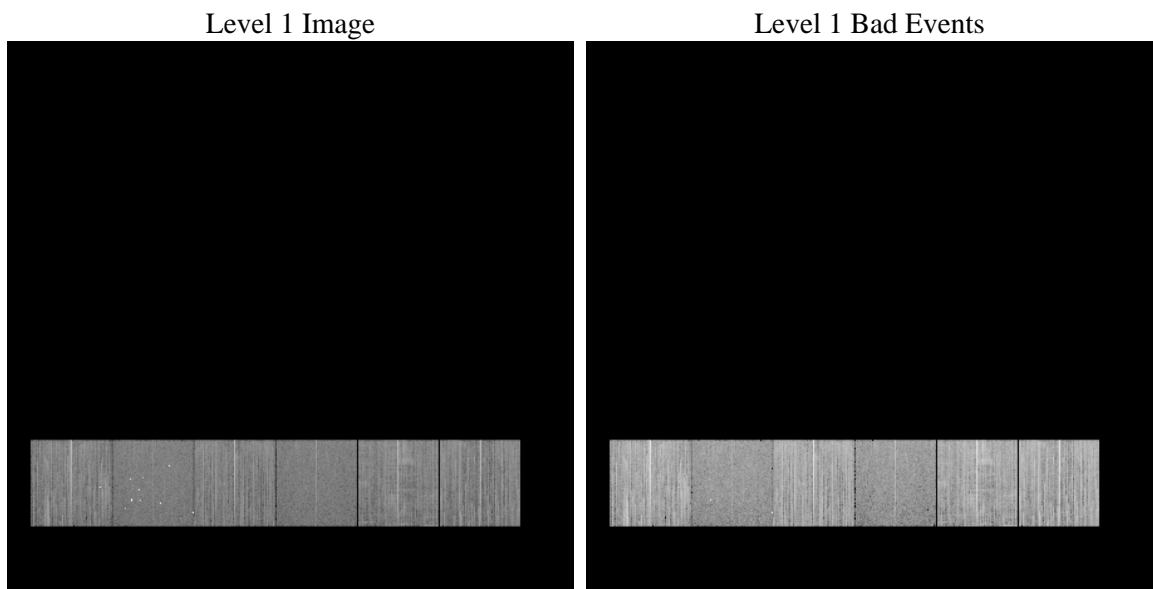
1 Front

seq_num	 	Sequence number
obs_id	51954	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	175.70409272093	Nominal RA [deg]
dec_nom	12.550412729262	Nominal Dec [deg]
roll_nom	231.60307056992	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8198.4001221657	Sum of GTIs [s]
livetime	8094.5870433349	Livetime [s]
ontime4	8198.4001221657	Sum of GTIs [s]
ontime5	8198.4001221657	Sum of GTIs [s]
ontime6	8198.4001221657	Sum of GTIs [s]
ontime7	8198.4001221657	Sum of GTIs [s]
ontime8	8198.4001221657	Sum of GTIs [s]
ontime9	8198.4001221657	Sum of GTIs [s]
l2events	169783	Number of level 2 events

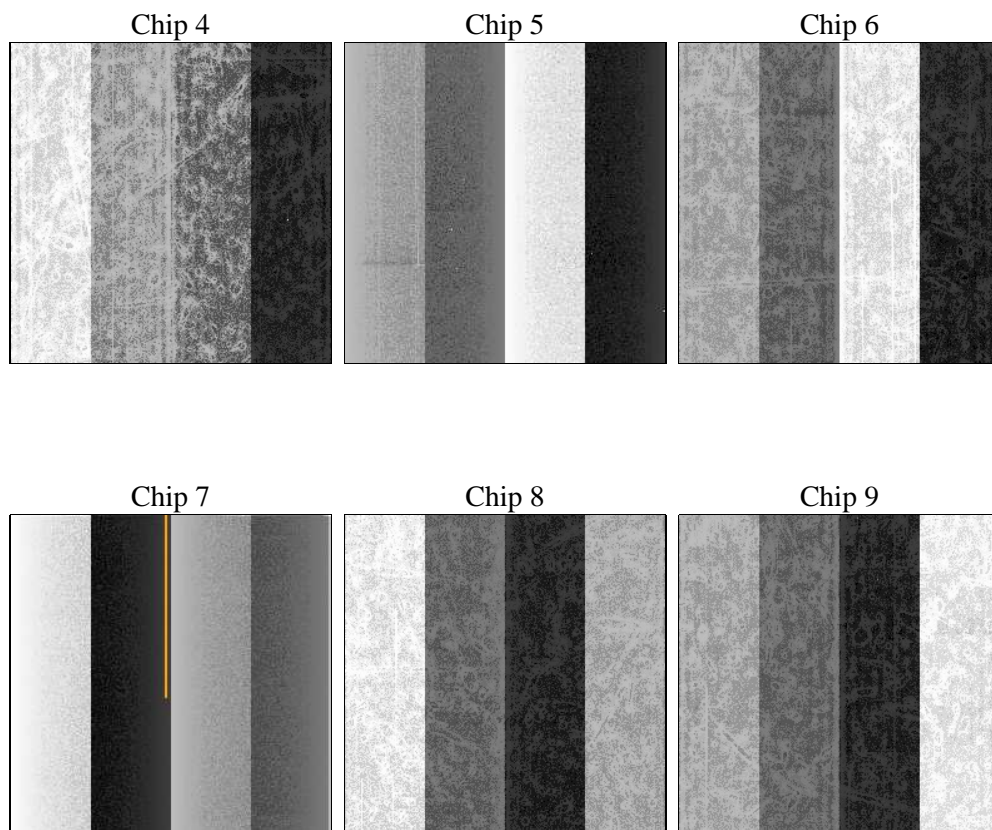
2 OBI

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	10.3.3	Processing system revision	ontime	8198.4001221657	Sum of GTIs [s]
caldsver	4.6.7	 	ontime4	8198.4001221657	Sum of GTIs [s]
date	2015-04-14T22:13:25	Date and time of file creation	ontime5	8198.4001221657	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8198.4001221657	Sum of GTIs [s]
			ontime7	8198.4001221657	Sum of GTIs [s]
			ontime8	8198.4001221657	Sum of GTIs [s]
			ontime9	8198.4001221657	Sum of GTIs [s]
			l1events	822464	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	146319	128247	139753	108364	149438	150343	grade 0 events	13568	13411	9880	5564	12971	10387
rejected events	122452	66713	117720	63767	119152	128642		9%	10%	7%	5%	8%	6%
rejected %	83%	52%	84%	58%	79%	85%	grade 1 events	105	281	42	76	70	61
								0%	0%	0%	0%	0%	0%
							grade 2 events	4386	20444	5298	11153	6736	4595
								2%	15%	3%	10%	4%	3%
							grade 3 events	1578	2016	1362	3361	2372	1509
								1%	1%	0%	3%	1%	1%
							grade 4 events	1539	1741	1441	3221	2206	1477
								1%	1%	1%	2%	1%	0%
							grade 5 events	2997	5277	2664	6358	3744	3134
								2%	4%	1%	5%	2%	2%
							grade 6 events	3033	24529	4256	21674	6271	3929
								2%	19%	3%	20%	4%	2%
							grade 7 events	119113	60548	114810	56957	115068	125251
								81%	47%	82%	52%	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	175.704092720929
[deg] Pointing Dec	0	12.55041272926152
[deg] Pointing Roll	0.0	231.60307056992
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)	545365029.687444	545365029.687444
Observation start date	2015-04-14T02:17:10	2015-04-14T02:17:09
[s] Observation end time (MET)	545374577.9028291	545374577.9028291
Observation end date	2015-04-14T04:56:18	2015-04-14T04:56:17
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)	2015.04.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1984001221657

A.2 Comments