

V&V Reference Report

L2 ASCDS Version : 10.3.3

Observation 51999 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Mar 24 2015

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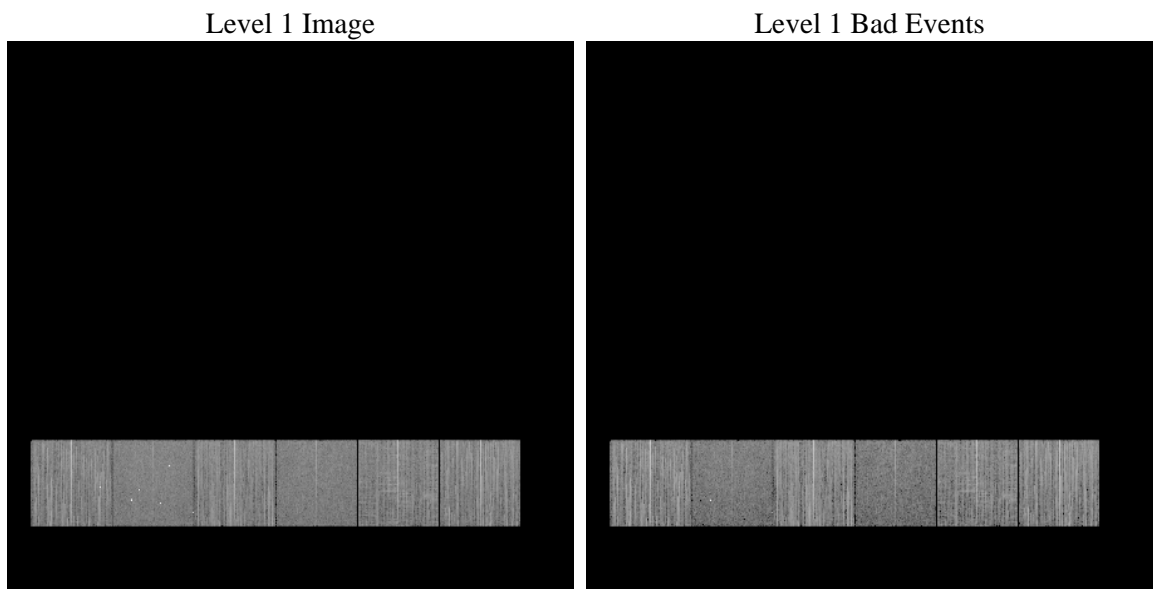
1 Front

seq_num	 	Sequence number
obs_id	51999	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	182.52472395485	Nominal RA [deg]
dec_nom	-28.080558993976	Nominal Dec [deg]
roll_nom	359.03349895505	Nominal Roll [deg]
revision	1	Processing version of data
ontime	6441.6000959873	Sum of GTIs [s]
livetime	6360.032676906	Livetime [s]
ontime4	6337.8853412867	Sum of GTIs [s]
ontime5	6441.6000959873	Sum of GTIs [s]
ontime6	6341.126381278	Sum of GTIs [s]
ontime7	6441.6000959873	Sum of GTIs [s]
ontime8	6363.8136613369	Sum of GTIs [s]
ontime9	6357.3315813541	Sum of GTIs [s]
l2events	139497	Number of level 2 events

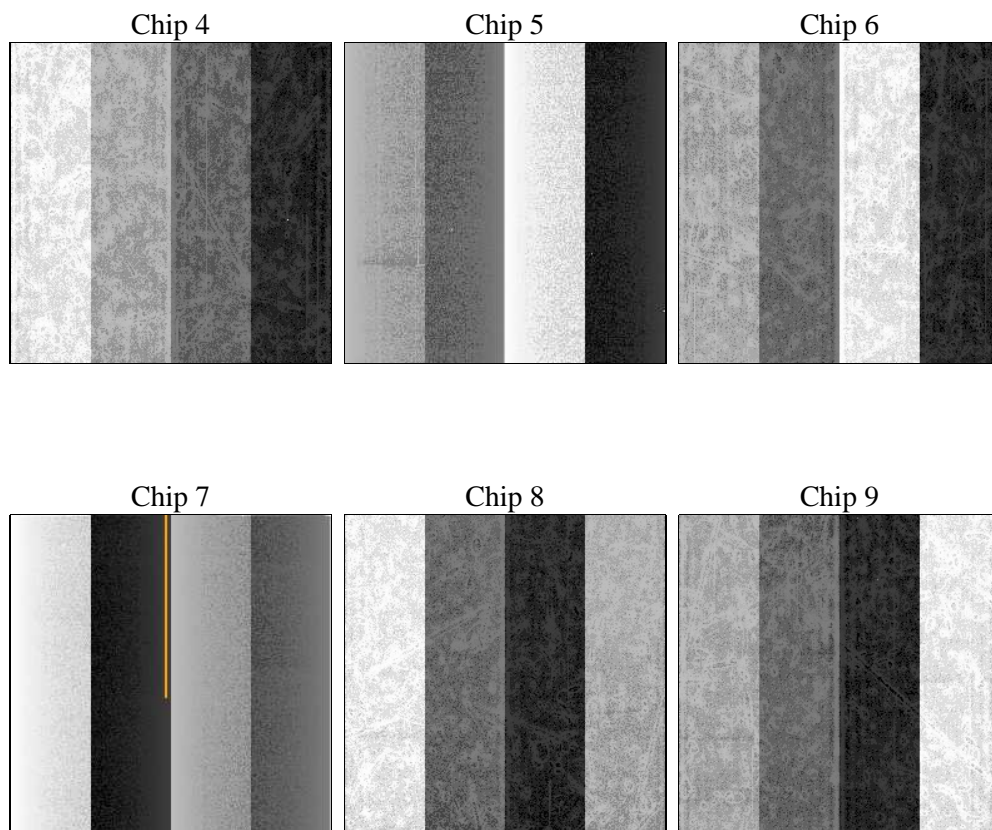
2 OBI

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	6441.6000959873	Sum of GTIs [s]
caldsver	4.6.7	 	ontime4	6337.8853412867	Sum of GTIs [s]
date	2015-03-24T23:56:46	Date and time of file creation	ontime5	6441.6000959873	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	6341.126381278	Sum of GTIs [s]
			ontime7	6441.6000959873	Sum of GTIs [s]
			ontime8	6363.8136613369	Sum of GTIs [s]
			ontime9	6357.3315813541	Sum of GTIs [s]
			l1events	626857	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	113222	96429	113751	84061	102514	116880	grade 0 events	11507	7941	8890	4569	10699	9096
rejected events	93337	53001	94806	48735	77891	98530		10%	8%	7%	5%	10%	7%
rejected %	82%	54%	83%	57%	75%	84%	grade 1 events	75	129	38	62	60	48
								0%	0%	0%	0%	0%	0%
							grade 2 events	3554	14960	4314	8835	5331	3856
								3%	15%	3%	10%	5%	3%
							grade 3 events	1322	1166	1238	2667	1897	1289
								1%	1%	1%	3%	1%	1%
							grade 4 events	1284	1188	1192	2632	1875	1226
								1%	1%	1%	3%	1%	1%
							grade 5 events	2250	4085	2155	5085	2914	2423
								1%	4%	1%	6%	2%	2%
							grade 6 events	2761	18657	3598	17024	5063	3325
								2%	19%	3%	20%	4%	2%
							grade 7 events	90469	48303	92326	43187	74675	95617
								79%	50%	81%	51%	72%	81%

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	182.5247239548542
[deg] Pointing Dec	0	-28.08055899397638
[deg] Pointing Roll	0.0	359.0334989550462
[mm] SIM focus pos	-1.429586	-1.428180813131781
[mm] SIM defocus	0.1037507710433287	0.1051558262725154
[mm] SIM translation stage pos	250.455976	250.4635187648994
[mm] SIM translation stage offset	0	-0.007540371344731511
[s] Observation start time (MET)	543574678.4871401	543574677.46214
Observation start date	2015-03-24T08:57:58	2015-03-24T08:57:57
[s] Observation end time (MET)	543585256.487731	543585255.4627301
Observation end date	2015-03-24T11:54:16	2015-03-24T11:54:15
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2015.03.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.4416000959873

A.2 Comments