

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 52461 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Sep 20 2014

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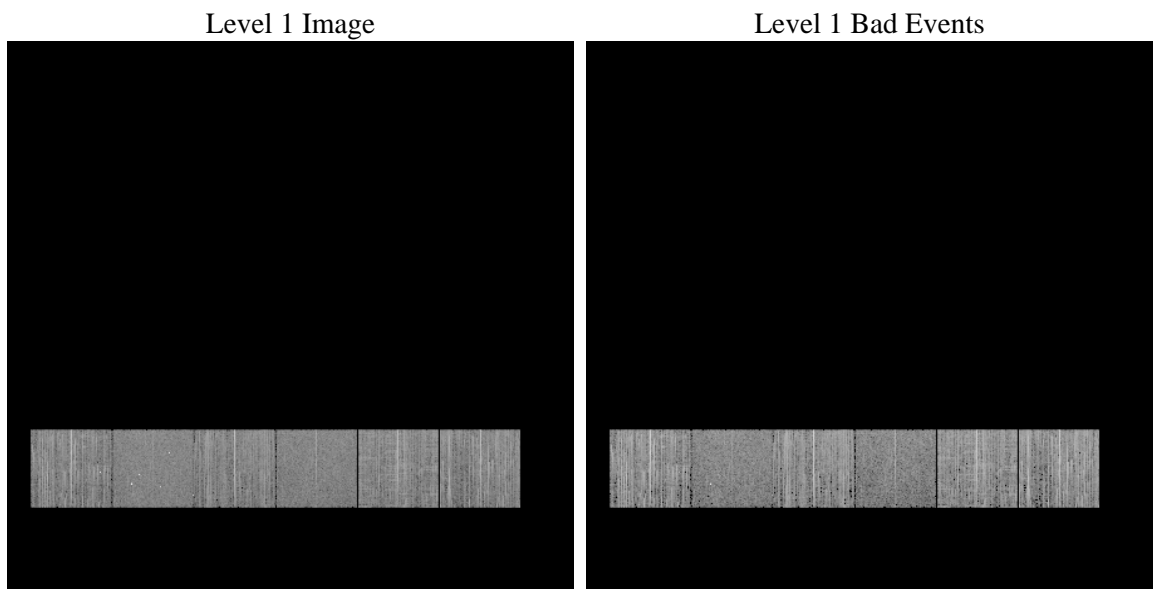
1 Front

seq_num	 	Sequence number
obs_id	52461	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	349.87943506617	Nominal RA [deg]
dec_nom	-26.941111923663	Nominal Dec [deg]
roll_nom	344.08883175562	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4175.9999845028	Sum of GTIs [s]
livetime	4123.1209582137	Livetime [s]
ontime4	4175.9999845028	Sum of GTIs [s]
ontime5	4175.9999845028	Sum of GTIs [s]
ontime6	4175.9999845028	Sum of GTIs [s]
ontime7	4175.9999845028	Sum of GTIs [s]
ontime8	4175.9999845028	Sum of GTIs [s]
ontime9	4175.9999845028	Sum of GTIs [s]
l2events	110446	Number of level 2 events

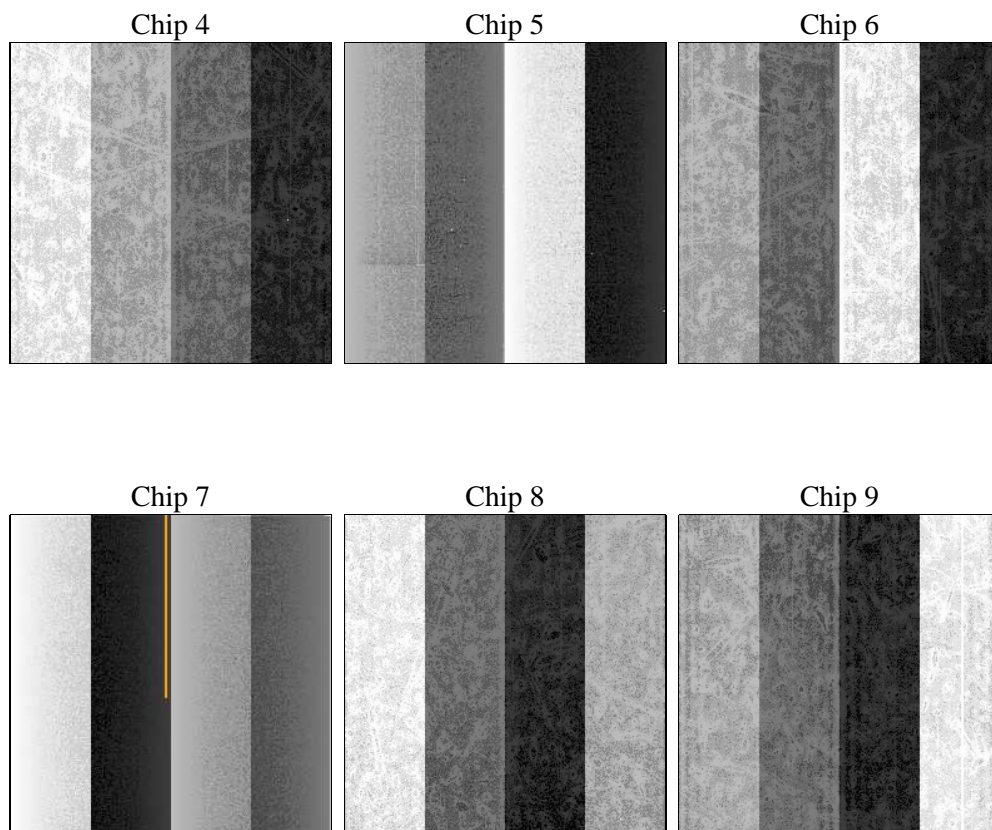
2 OBI

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	4175.9999845028	Sum of GTIs [s]
caldsver	4.6.3	 	ontime4	4175.9999845028	Sum of GTIs [s]
date	2014-09-20T15:14:48	Date and time of file creation	ontime5	4175.9999845028	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	4175.9999845028	Sum of GTIs [s]
			ontime7	4175.9999845028	Sum of GTIs [s]
			ontime8	4175.9999845028	Sum of GTIs [s]
			ontime9	4175.9999845028	Sum of GTIs [s]
			l1events	463364	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	81383	72001	77046	65055	83779	84100	grade 0 events	9186	4864	7685	4174	8996	7509
rejected events	65738	40322	61735	37440	63842	69466		11%	6%	9%	6%	10%	8%
rejected %	80%	56%	80%	57%	76%	82%	grade 1 events	66	157	48	52	58	34
								0%	0%	0%	0%	0%	0%
							grade 2 events	2917	11920	3391	7023	4335	2997
								3%	16%	4%	10%	5%	3%
							grade 3 events	1095	1169	1012	2284	1620	1099
								1%	1%	1%	3%	1%	1%
							grade 4 events	1067	1074	1006	2220	1584	1026
								1%	1%	1%	3%	1%	1%
							grade 5 events	1711	3416	1624	4020	2212	1866
								2%	4%	2%	6%	2%	2%
							grade 6 events	2306	13970	3114	13107	4490	2875
								2%	19%	4%	20%	5%	3%
							grade 7 events	63035	35431	59166	32175	60484	66694
								77%	49%	76%	49%	72%	79%

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	349.879435066166
[deg] Pointing Dec	0	-26.94111192366278
[deg] Pointing Roll	0.0	344.0888317556154
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)	527545760.393559	527545760.393559
Observation start date	2014-09-19T20:29:20	2014-09-19T20:29:20
[s] Observation end time (MET)	527551349.095519	527551349.095519
Observation end date	2014-09-19T22:02:29	2014-09-19T22:02:29
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)	2014.09.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.1759999845028

A.2 Comments