

V&V Reference Report

L2 ASCDS Version : 8.5

Observation 60019 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 9 2012

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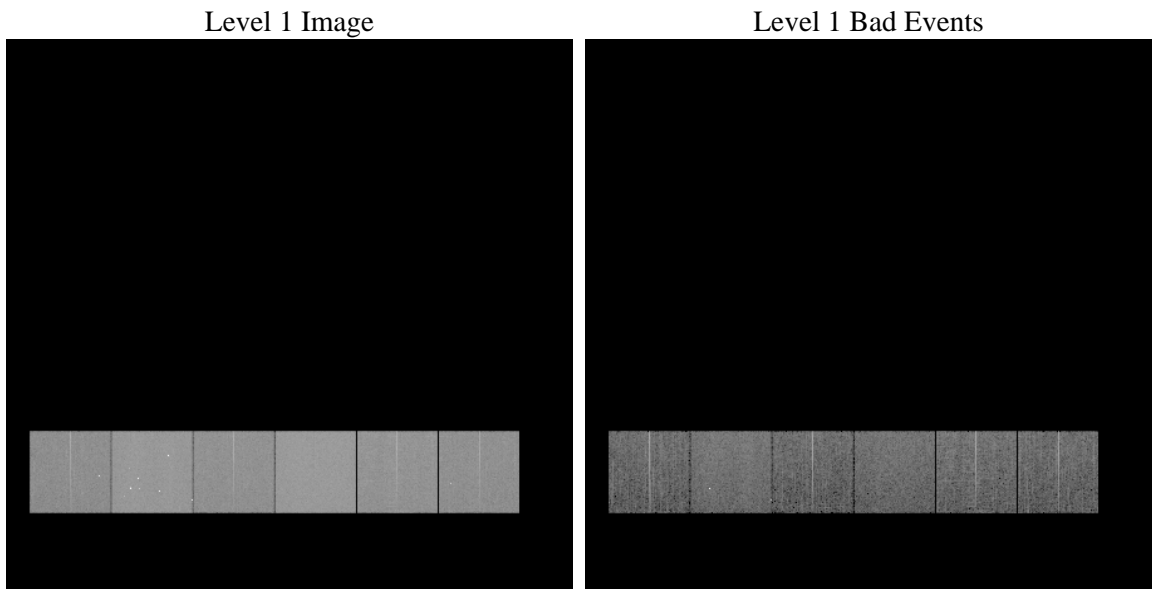
1 Front

seq_num	 	Sequence number
obs_id	60019	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	11.972297461464	Nominal RA [deg]
dec_nom	14.990007865608	Nominal Dec [deg]
roll_nom	167.777562556	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8278.0033067763	Sum of GTIs [s]
livetime	8173.1822444907	Livetime [s]
ontime4	5662.0596258938	Sum of GTIs [s]
ontime5	8277.962266773	Sum of GTIs [s]
ontime6	6213.0253411829	Sum of GTIs [s]
ontime7	8278.0033067763	Sum of GTIs [s]
ontime8	6401.3151865005	Sum of GTIs [s]
ontime9	5950.506160289	Sum of GTIs [s]
l2events	1105402	Number of level 2 events

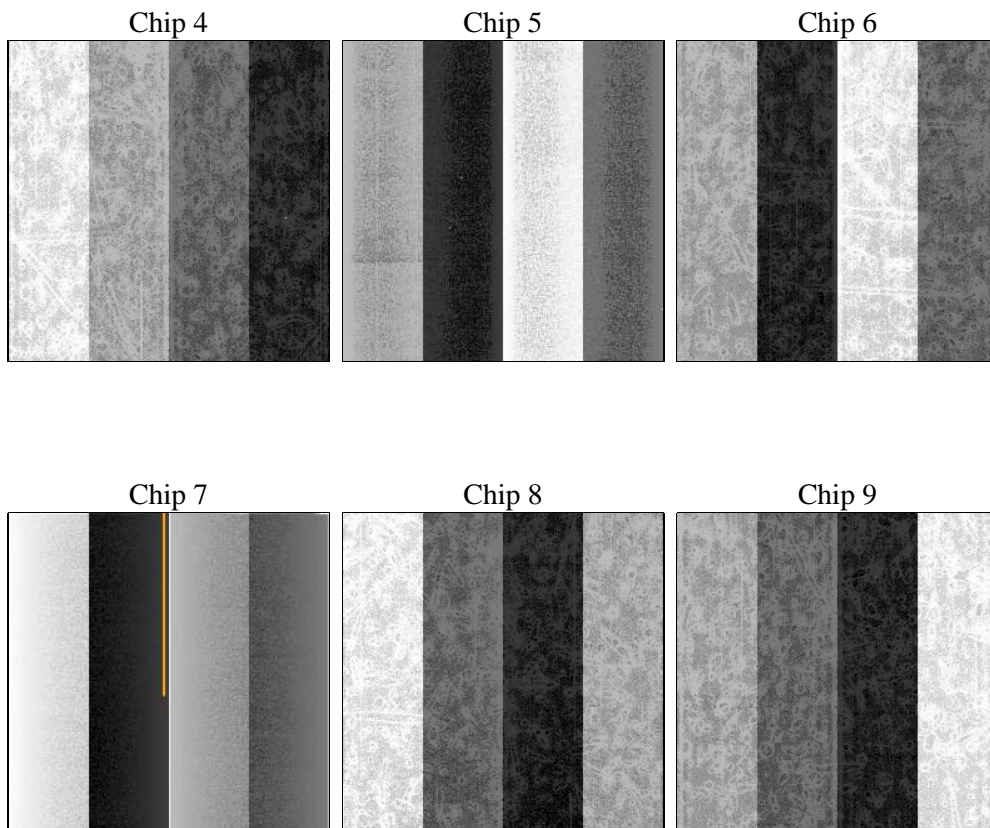
2 OBI

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	8.5	Processing system revision	ontime	8278.0033067763	Sum of GTIs [s]
caldsver	4.5.4	 	ontime4	5662.0596258938	Sum of GTIs [s]
date	2012-12-09T19:59:45	Date and time of file creation	ontime5	8277.962266773	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	6213.0253411829	Sum of GTIs [s]
			ontime7	8278.0033067763	Sum of GTIs [s]
			ontime8	6401.3151865005	Sum of GTIs [s]
			ontime9	5950.506160289	Sum of GTIs [s]
			l1events	1497858	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	202820	299740	226945	307248	246433	214672	grade 0 events	90233	50564	98086	61049	103679	92117
rejected events	49141	64593	46728	52308	55365	48367		44%	16%	43%	19%	42%	42%
rejected %	24%	21%	20%	17%	22%	22%	grade 1 events	709	247	505	184	585	564
								0%	0%	0%	0%	0%	0%
							grade 2 events	23538	87384	31288	55927	33271	28017
								11%	29%	13%	18%	13%	13%
							grade 3 events	10411	12280	11161	25265	12556	10745
								5%	4%	4%	8%	5%	5%
							grade 4 events	10099	11587	11276	24982	12671	10832
								4%	3%	4%	8%	5%	5%
							grade 5 events	2743	9513	3104	9163	3792	3210
								1%	3%	1%	2%	1%	1%
							grade 6 events	19398	73432	28406	87814	28983	24594
								9%	24%	12%	28%	11%	11%
							grade 7 events	45689	54733	43119	42864	50896	44593
								22%	18%	18%	13%	20%	20%

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	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
[deg] Pointing RA	0	11.97229746146428	Alternating exposures requested	N	N
[deg] Pointing Dec	0	14.99000786560765	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	167.777562556003			
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.8505141146731063			
[mm] SIM translation stage pos	-190.132523	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	213183091.089554	213183090.06453			
Observation start date	2004-10-03T09:31:31	2004-10-03T09:31:30			
[s] Observation end time (MET)	213206237.640589	213206236.61557			
Observation end date	2004-10-03T15:57:18	2004-10-03T15:57:16			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2013.01.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2780033067763

A.2 Comments