

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 55979 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jul 4 2012

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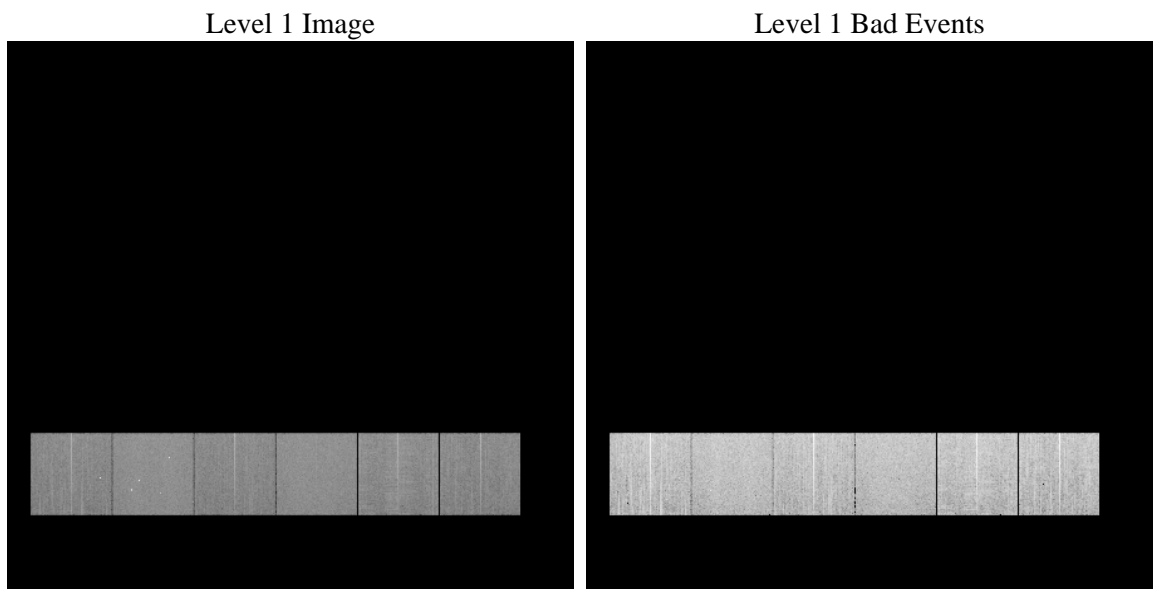
1 Front

seq_num	 	Sequence number
obs_id	55979	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	7.5285013651683	Nominal RA [deg]
dec_nom	-3.5043665092378	Nominal Dec [deg]
roll_nom	318.41026835679	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8210.8503397107	Sum of GTIs [s]
livetime	8106.8796087288	Livetime [s]
ontime4	8210.7272197008	Sum of GTIs [s]
ontime5	8210.8092997074	Sum of GTIs [s]
ontime6	8210.7682597041	Sum of GTIs [s]
ontime7	8210.8503397107	Sum of GTIs [s]
ontime8	8210.6861796975	Sum of GTIs [s]
ontime9	8210.891379714	Sum of GTIs [s]
l2events	424773	Number of level 2 events

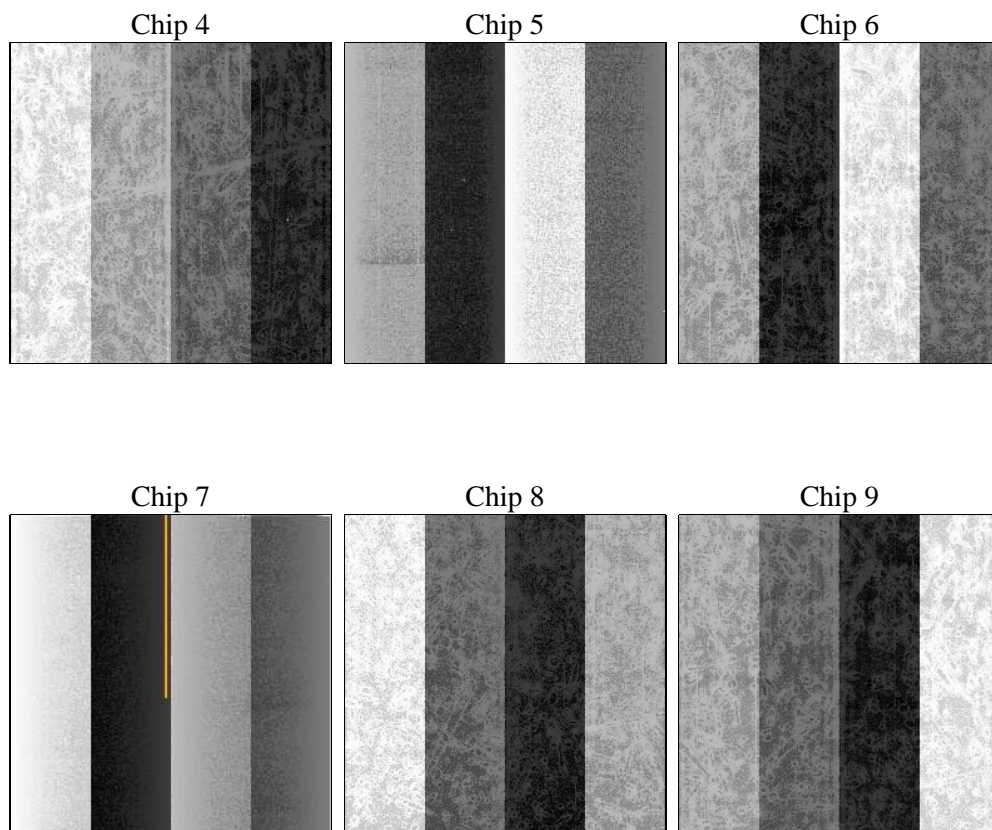
2 OBI

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	8.4.5	Processing system revision	ontime	8210.8503397107	Sum of GTIs [s]
caldsver	4.5.0	 	ontime4	8210.7272197008	Sum of GTIs [s]
date	2012-07-04T19:38:28	Date and time of file creation	ontime5	8210.8092997074	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8210.7682597041	Sum of GTIs [s]
			ontime7	8210.8503397107	Sum of GTIs [s]
			ontime8	8210.6861796975	Sum of GTIs [s]
			ontime9	8210.891379714	Sum of GTIs [s]
			l1events	884646	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	134959	167249	133670	161485	153660	133623	grade 0 events	36750	15811	33840	17584	38161	33849
rejected events	70981	68109	68642	65715	74756	69704		27%	9%	25%	10%	24%	25%
rejected %	52%	40%	51%	40%	48%	52%	grade 1 events	360	192	213	148	247	239
								0%	0%	0%	0%	0%	0%
							grade 2 events	10098	34580	11890	21127	14902	11477
								7%	20%	8%	13%	9%	8%
							grade 3 events	4521	4337	4356	8710	6022	4334
								3%	2%	3%	5%	3%	3%
							grade 4 events	4431	4344	4233	8602	5867	4193
								3%	2%	3%	5%	3%	3%
							grade 5 events	3947	9102	4082	10366	5344	4690
								2%	5%	3%	6%	3%	3%
							grade 6 events	8858	41009	11425	40699	14789	10774
								6%	24%	8%	25%	9%	8%
							grade 7 events	65994	57874	63631	54249	68328	64067
								48%	34%	47%	33%	44%	47%

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	7.528501365168268
[deg] Pointing Dec	0	-3.504366509237842
[deg] Pointing Roll	0.0	318.410268356793
[mm] SIM focus pos	-1.4281808131	-1.4281808131
[mm] SIM defocus	0.1051557500557434	0.1051557500557434
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	403240325.600054	403240325.600054
Observation start date	2010-10-12T03:12:06	2010-10-12T03:12:05
[s] Observation end time (MET)	403249872.306956	403249872.306956
Observation end date	2010-10-12T05:51:12	2010-10-12T05:51:12
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)	2012.07.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2108503397107

A.2 Comments