

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 56164 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jun 29 2012

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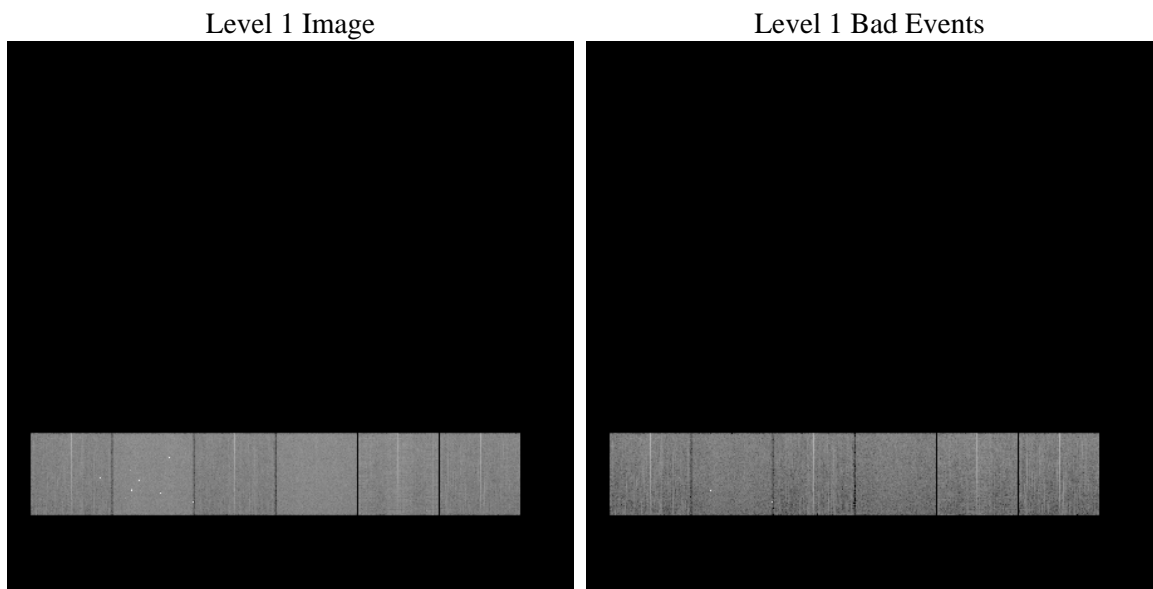
1 Front

seq_num	 	Sequence number
obs_id	56164	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	271.47787305149	Nominal RA [deg]
dec_nom	2.481697741732	Nominal Dec [deg]
roll_nom	186.80274387905	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8277.1129739881	Sum of GTIs [s]
livetime	8172.3031856323	Livetime [s]
ontime4	8280.2308443785	Sum of GTIs [s]
ontime5	8277.0719240308	Sum of GTIs [s]
ontime6	8277.0308840275	Sum of GTIs [s]
ontime7	8277.1129739881	Sum of GTIs [s]
ontime8	8276.9488040209	Sum of GTIs [s]
ontime9	8273.9130037427	Sum of GTIs [s]
l2events	419632	Number of level 2 events

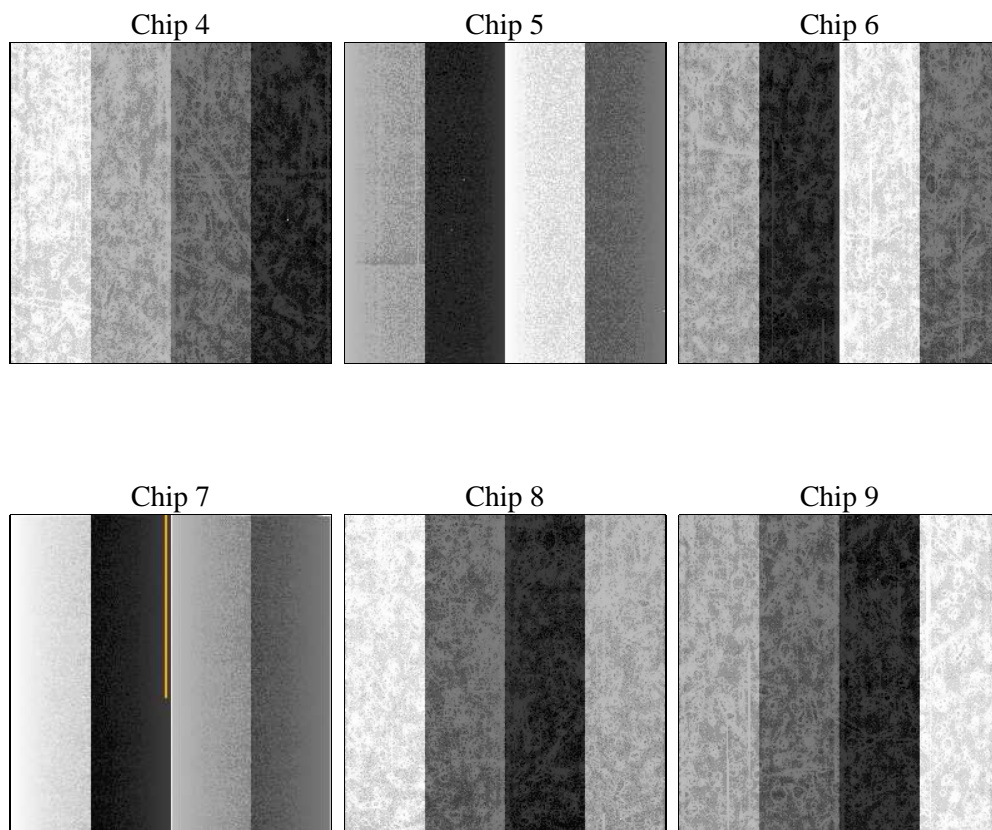
2 OBI

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	8277.1129739881	Sum of GTIs [s]
caldsver	4.5.0	 	ontime4	8280.2308443785	Sum of GTIs [s]
date	2012-06-29T09:50:22	Date and time of file creation	ontime5	8277.0719240308	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8277.0308840275	Sum of GTIs [s]
			ontime7	8277.1129739881	Sum of GTIs [s]
			ontime8	8276.9488040209	Sum of GTIs [s]
			ontime9	8273.9130037427	Sum of GTIs [s]
			l1events	899786	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	135552	178503	134214	162448	154821	134248	grade 0 events	36041	18674	32992	16556	37129	32683
rejected events	72973	72956	70349	66117	77138	72338		26%	10%	24%	10%	23%	24%
rejected %	53%	40%	52%	40%	49%	53%	grade 1 events	355	428	189	161	256	219
								0%	0%	0%	0%	0%	0%
							grade 2 events	9864	35501	11630	20869	14904	10919
								7%	19%	8%	12%	9%	8%
							grade 3 events	4325	4234	4167	8819	5792	4235
								3%	2%	3%	5%	3%	3%
							grade 4 events	4336	3943	4209	8622	5522	4195
								3%	2%	3%	5%	3%	3%
							grade 5 events	4058	10098	4100	10288	5573	4727
								2%	5%	3%	6%	3%	3%
							grade 6 events	8013	43195	10867	41465	14336	9878
								5%	24%	8%	25%	9%	7%
							grade 7 events	68560	62430	66060	55668	71309	67392
								50%	34%	49%	34%	46%	50%

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	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	271.4778730514902	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	2.481697741732022	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	186.8027438790542	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	393910643.922206	393910642.8972			
Observation start date	2010-06-26T03:37:24	2010-06-26T03:37:22			
[s] Observation end time (MET)	393921927.122782	393921926.09778			
Observation end date	2010-06-26T06:45:27	2010-06-26T06:45:26			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.07.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2771129739881

A.2 Comments