

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 56454 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jun 21 2012

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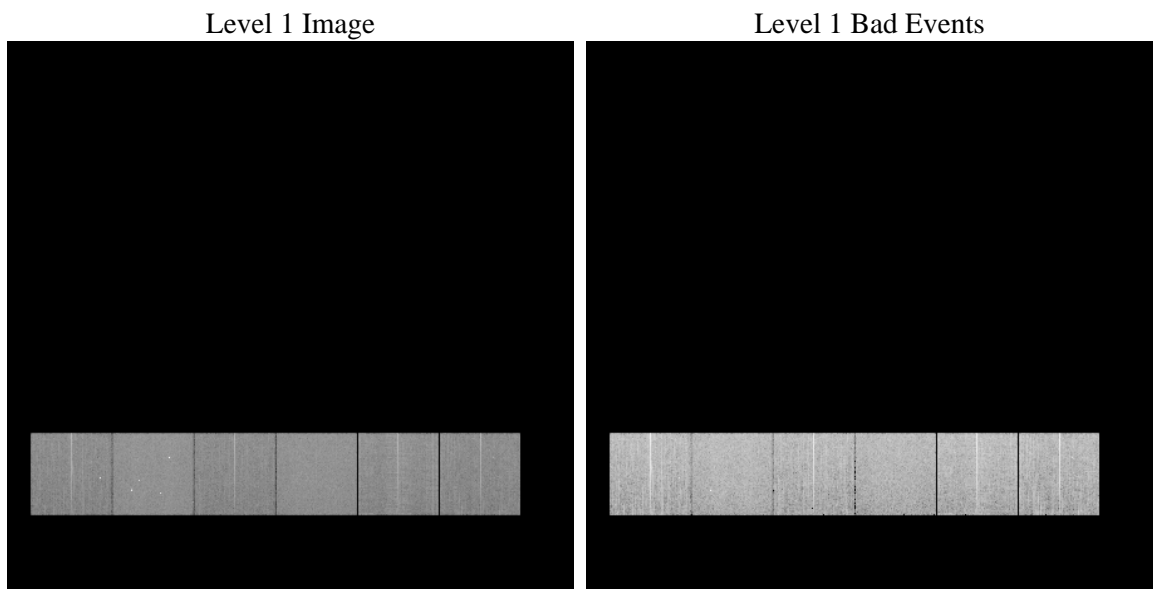
1 Front

seq_num	 	Sequence number
obs_id	56454	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	145.52548562814	Nominal RA [deg]
dec_nom	-11.985666671919	Nominal Dec [deg]
roll_nom	357.08425621619	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8277.5214431882	Sum of GTIs [s]
livetime	8172.7064825495	Livetime [s]
ontime4	8277.3983231783	Sum of GTIs [s]
ontime5	8277.4804031849	Sum of GTIs [s]
ontime6	8277.4393631816	Sum of GTIs [s]
ontime7	8277.5214431882	Sum of GTIs [s]
ontime8	8277.357283175	Sum of GTIs [s]
ontime9	8277.5624831915	Sum of GTIs [s]
l2events	455513	Number of level 2 events

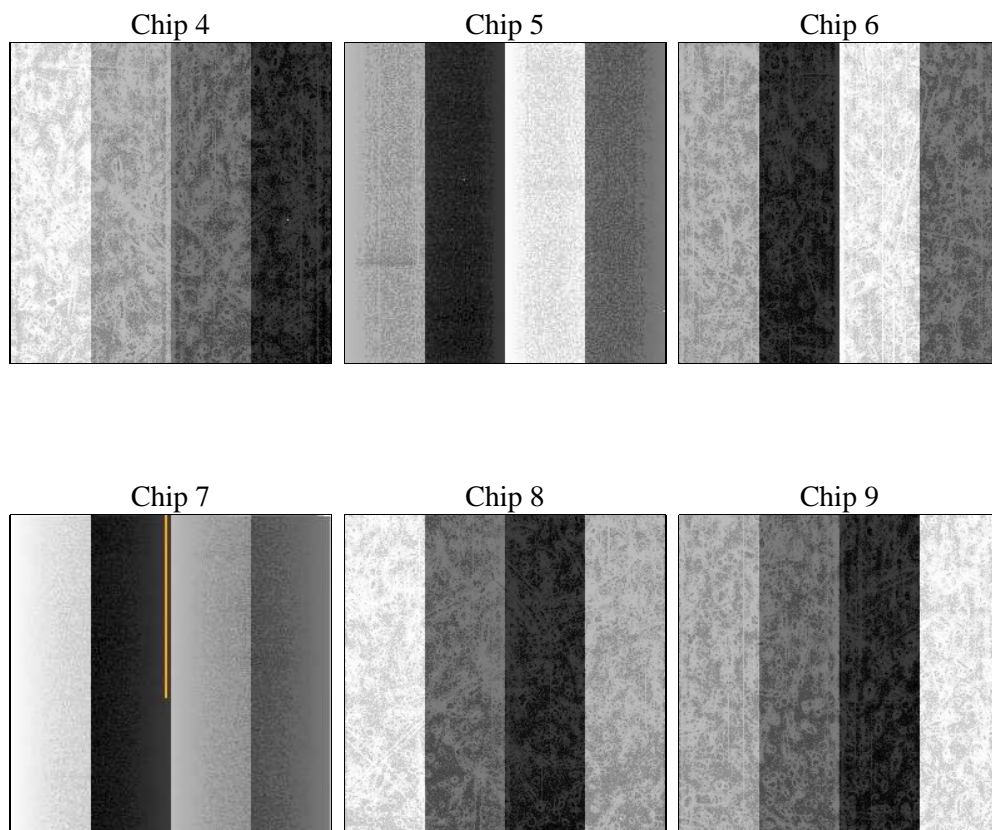
2 OBI

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	8277.5214431882	Sum of GTIs [s]
caldsver	4.4.10	 	ontime4	8277.3983231783	Sum of GTIs [s]
date	2012-06-21T14:52:46	Date and time of file creation	ontime5	8277.4804031849	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8277.4393631816	Sum of GTIs [s]
			ontime7	8277.5214431882	Sum of GTIs [s]
			ontime8	8277.357283175	Sum of GTIs [s]
			ontime9	8277.5624831915	Sum of GTIs [s]
			l1events	946852	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	145700	182183	142229	171933	163187	141620	grade 0 events	38595	18426	36550	18815	40683	35883
rejected events	78576	72685	72506	67765	79989	74231		26%	10%	25%	10%	24%	25%
rejected %	53%	39%	50%	39%	49%	52%	grade 1 events	379	332	235	156	298	287
								0%	0%	0%	0%	0%	0%
							grade 2 events	10618	37384	12598	22597	15843	11927
								7%	20%	8%	13%	9%	8%
							grade 3 events	4757	4810	4616	9534	6139	4537
								3%	2%	3%	5%	3%	3%
							grade 4 events	4536	4582	4487	9418	6024	4621
								3%	2%	3%	5%	3%	3%
							grade 5 events	4247	9668	4434	11241	5601	4810
								2%	5%	3%	6%	3%	3%
							grade 6 events	8618	44296	11472	43804	14509	10421
								5%	24%	8%	25%	8%	7%
							grade 7 events	73950	62685	67837	56368	74090	69134
								50%	34%	47%	32%	45%	48%

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	145.5254856281364	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-11.98566667191935	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	357.0842562161884	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-0.6828225247311905			
[mm] SIM defocus	0.1037507710433287	0.8505141146731063			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	382446799.389313	382446798.36432			
Observation start date	2010-02-13T11:13:19	2010-02-13T11:13:18			
[s] Observation end time (MET)	382461854.590075	382461853.56508			
Observation end date	2010-02-13T15:24:15	2010-02-13T15:24:13			
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)	2012.06.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2775214431882

A.2 Comments