

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 56020 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jul 3 2012

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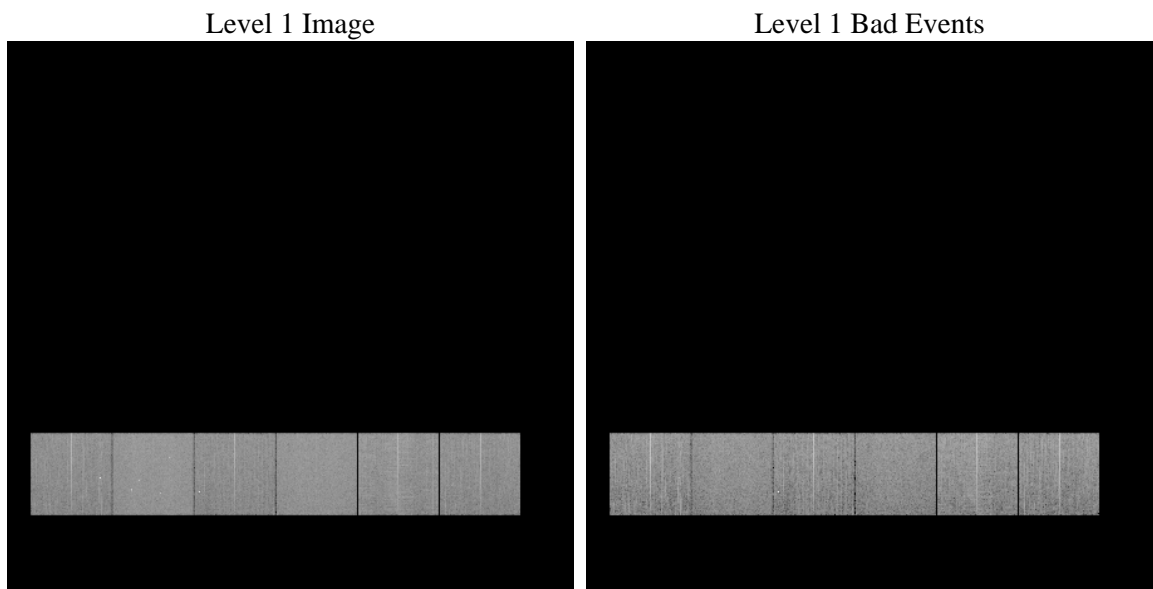
1 Front

seq_num	 	Sequence number
obs_id	56020	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	347.11741814273	Nominal RA [deg]
dec_nom	-23.51517025545	Nominal Dec [deg]
roll_nom	334.17167324511	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8190.8036584258	Sum of GTIs [s]
livetime	8087.086770593	Livetime [s]
ontime4	8190.6805384159	Sum of GTIs [s]
ontime5	8190.7626184225	Sum of GTIs [s]
ontime6	8190.7215784192	Sum of GTIs [s]
ontime7	8190.8036584258	Sum of GTIs [s]
ontime8	8190.6394984126	Sum of GTIs [s]
ontime9	8190.8446984291	Sum of GTIs [s]
l2events	409909	Number of level 2 events

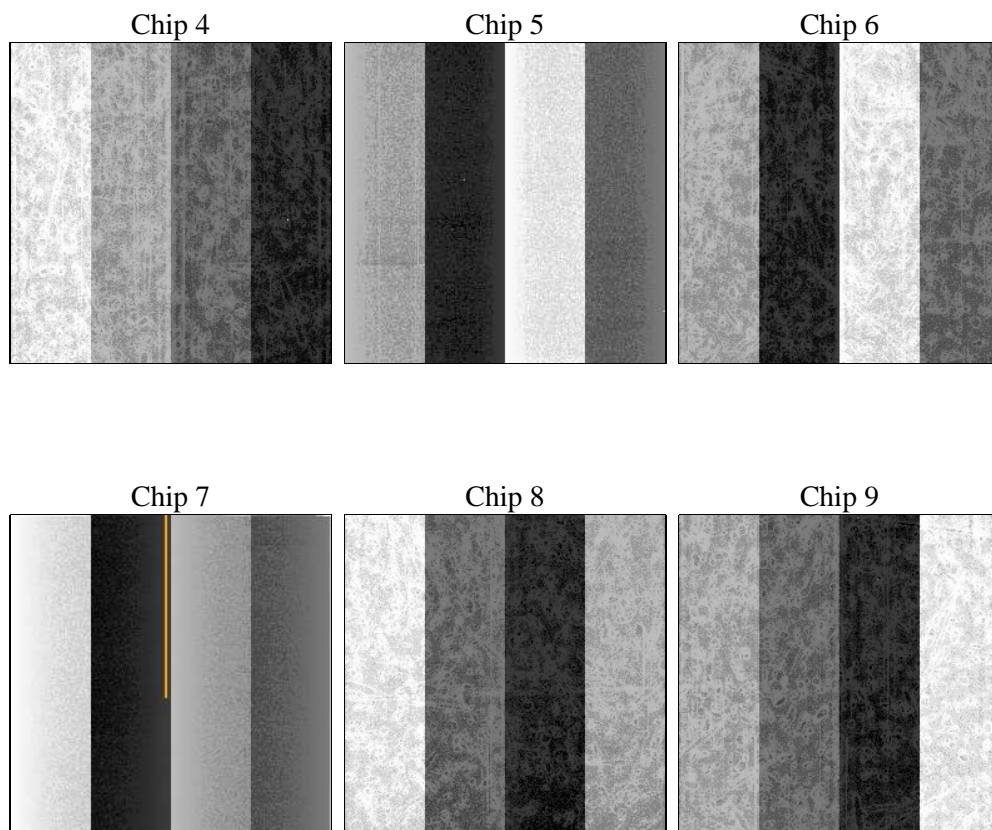
2 OBI

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	8190.8036584258	Sum of GTIs [s]
caldsver	4.5.0	 	ontime4	8190.6805384159	Sum of GTIs [s]
date	2012-07-03T12:42:26	Date and time of file creation	ontime5	8190.7626184225	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8190.7215784192	Sum of GTIs [s]
			ontime7	8190.8036584258	Sum of GTIs [s]
			ontime8	8190.6394984126	Sum of GTIs [s]
			ontime9	8190.8446984291	Sum of GTIs [s]
			l1events	872595	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	133057	163791	132339	158574	152500	132334	grade 0 events	35358	12434	32456	16679	36275	32603
rejected events	72093	69216	69932	65771	77707	71160		26%	7%	24%	10%	23%	24%
rejected %	54%	42%	52%	41%	50%	53%	grade 1 events	349	196	1089	140	254	227
								0%	0%	0%	0%	0%	0%
							grade 2 events	9854	34428	11729	20597	14547	10844
								7%	21%	8%	12%	9%	8%
							grade 3 events	4119	4046	4116	8510	5430	4203
								3%	2%	3%	5%	3%	3%
							grade 4 events	4302	4029	4029	8327	5218	4176
								3%	2%	3%	5%	3%	3%
							grade 5 events	4091	8954	4224	10398	5469	4622
								3%	5%	3%	6%	3%	3%
							grade 6 events	8190	40783	10944	39841	14294	10234
								6%	24%	8%	25%	9%	7%
							grade 7 events	66794	58921	63752	54082	71013	65425
								50%	35%	48%	34%	46%	49%

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	OVERRIDE	OVERRIDE
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	347.1174181427263	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-23.51517025544974	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	334.1716732451054	[s] Primary exposure time	3.2	3.2
[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)	401413431.106186	401413431.106186			
Observation start date	2010-09-20T23:43:51	2010-09-20T23:43:51			
[s] Observation end time (MET)	401423490.728402	401423490.728402			
Observation end date	2010-09-21T02:31:31	2010-09-21T02:31:30			
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)	2012.07.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1908036584258

A.2 Comments