

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 56151 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jul 1 2012

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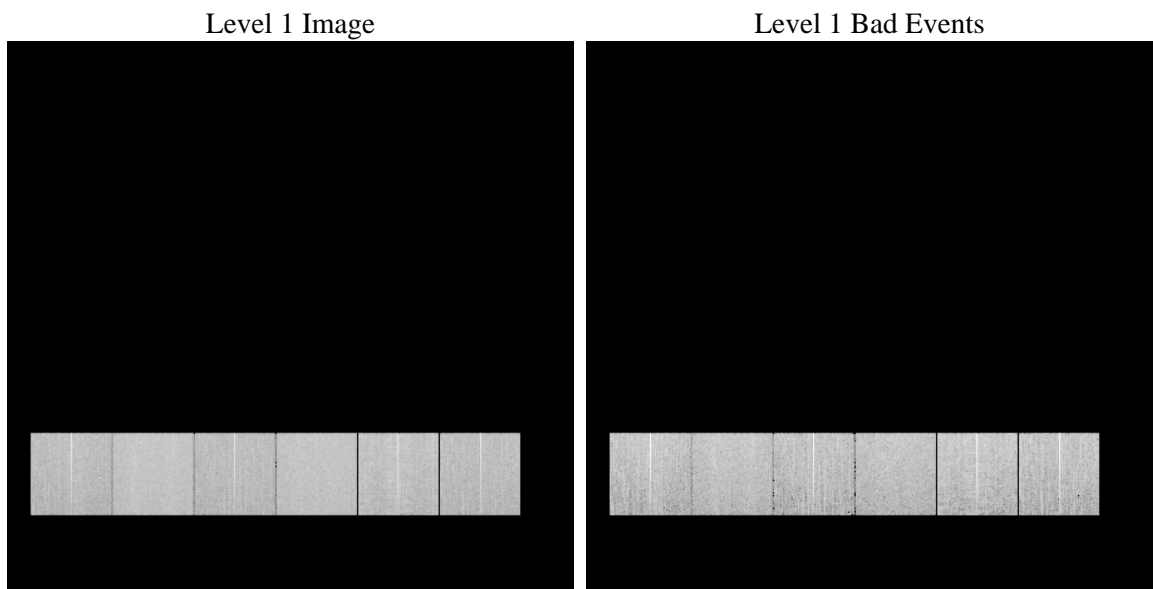
1 Front

seq_num	 	Sequence number
obs_id	56151	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	293.02274121272	Nominal RA [deg]
dec_nom	-45.976060956389	Nominal Dec [deg]
roll_nom	23.750896420707	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8233.4371057749	Sum of GTIs [s]
livetime	8129.1803675609	Livetime [s]
ontime4	8113.5187447667	Sum of GTIs [s]
ontime5	8246.3999693394	Sum of GTIs [s]
ontime6	8113.5187545419	Sum of GTIs [s]
ontime7	8233.4371057749	Sum of GTIs [s]
ontime8	8123.2417458296	Sum of GTIs [s]
ontime9	8113.51870507	Sum of GTIs [s]
l2events	424485	Number of level 2 events

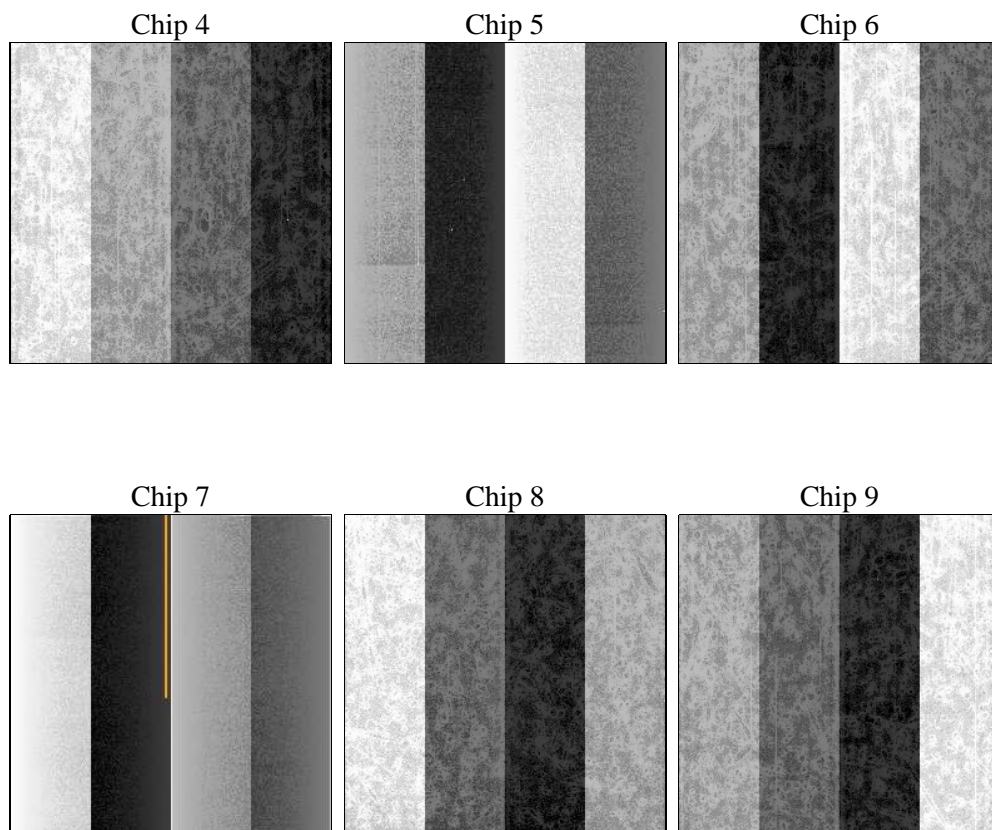
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	8233.4371057749	Sum of GTIs [s]
caldbver	4.5.0	 	ontime4	8113.5187447667	Sum of GTIs [s]
date	2012-06-29T13:48:45	Date and time of file creation	ontime5	8246.3999693394	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8113.5187545419	Sum of GTIs [s]
			ontime7	8233.4371057749	Sum of GTIs [s]
			ontime8	8123.2417458296	Sum of GTIs [s]
			ontime9	8113.51870507	Sum of GTIs [s]
			l1events	888963	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	134780	166979	131952	163043	157562	134647	grade 0 events	34966	10889	32776	16884	37807	33241
rejected events	73255	69939	67503	66444	78919	71315		25%	6%	24%	10%	23%	24%
rejected %	54%	41%	51%	40%	50%	52%	grade 1 events	374	185	207	135	270	263
								0%	0%	0%	0%	0%	0%
							grade 2 events	9693	36098	12173	21210	14892	10951
								7%	21%	9%	13%	9%	8%
							grade 3 events	4406	3686	4199	8577	5934	4365
								3%	2%	3%	5%	3%	3%
							grade 4 events	4331	3656	4054	8379	5801	4387
								3%	2%	3%	5%	3%	3%
							grade 5 events	3969	8469	3911	10164	5272	4461
								2%	5%	2%	6%	3%	3%
							grade 6 events	8366	43038	11458	41834	14523	10579
								6%	25%	8%	25%	9%	7%
							grade 7 events	68675	60958	63174	55860	73063	66400
								50%	36%	47%	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	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	293.0227412127197	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-45.97606095638892	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	23.75089642070748	[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)	394597314.007252	394597312.98225			
Observation start date	2010-07-04T02:21:54	2010-07-04T02:21:52			
[s] Observation end time (MET)	394607313.907763	394607312.88276			
Observation end date	2010-07-04T05:08:34	2010-07-04T05:08:32			
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)	2012.07.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2334371057749

A.2 Comments