

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 54361 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Sep 2 2012

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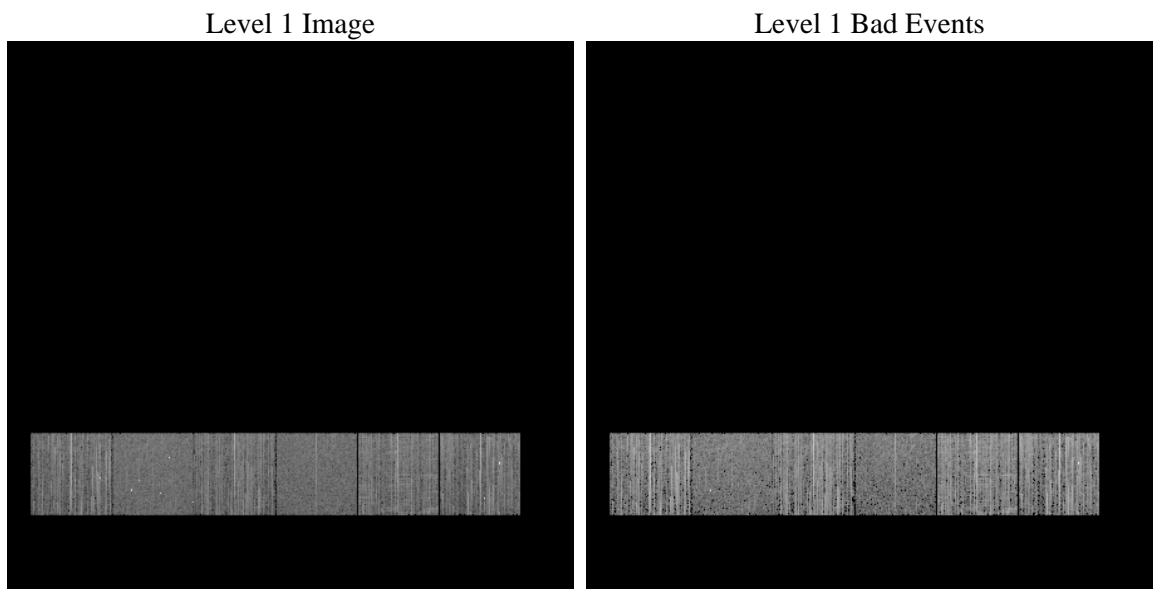
1 Front

seq_num	 	Sequence number
obs_id	54361	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	11.715037216675	Nominal RA [deg]
dec_nom	-19.332490613172	Nominal Dec [deg]
roll_nom	73.711920960777	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3283.094886601	Sum of GTIs [s]
livetime	3241.5223623044	Livetime [s]
ontime4	3286.3414974213	Sum of GTIs [s]
ontime5	3283.1359266043	Sum of GTIs [s]
ontime6	3283.1595162749	Sum of GTIs [s]
ontime7	3283.094886601	Sum of GTIs [s]
ontime8	3286.300457418	Sum of GTIs [s]
ontime9	3283.0538466573	Sum of GTIs [s]
l2events	108605	Number of level 2 events

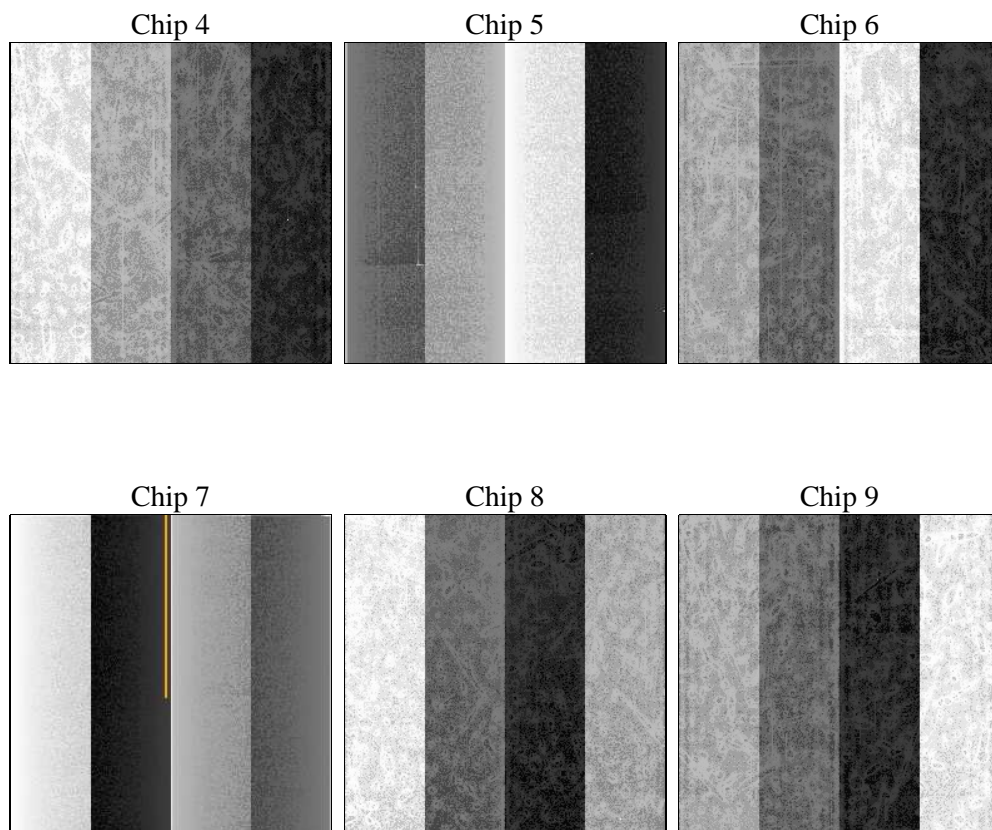
2 OBI

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	3283.094886601	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime4	3286.3414974213	Sum of GTIs [s]
date	2012-09-02T05:32:15	Date and time of file creation	ontime5	3283.1359266043	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	3283.1595162749	Sum of GTIs [s]
			ontime7	3283.094886601	Sum of GTIs [s]
			ontime8	3286.300457418	Sum of GTIs [s]
			ontime9	3283.0538466573	Sum of GTIs [s]
			l1events	394584	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	68712	60060	66189	53785	71934	73904	grade 0 events	9055	4623	7959	3978	9132	8610
rejected events	52747	30746	50283	27800	52151	55709		13%	7%	12%	7%	12%	11%
rejected %	76%	51%	75%	51%	72%	75%	grade 1 events	74	93	43	32	58	64
								0%	0%	0%	0%	0%	0%
							grade 2 events	2798	10532	3116	6367	3952	4865
								4%	17%	4%	11%	5%	6%
							grade 3 events	1092	1085	1083	2270	1496	1005
								1%	1%	1%	4%	2%	1%
							grade 4 events	1015	1046	1019	2146	1479	1084
								1%	1%	1%	3%	2%	1%
							grade 5 events	1287	2706	1321	3230	1655	1474
								1%	4%	1%	6%	2%	1%
							grade 6 events	2005	12028	2729	11224	3724	2631
								2%	20%	4%	20%	5%	3%
							grade 7 events	51386	27947	48919	24538	50438	54171
								74%	46%	73%	45%	70%	73%

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	11.7150372166755	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-19.33249061317176	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	73.71192096077696	[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)	462910441.766023	462910440.74102			
Observation start date	2012-09-01T18:14:02	2012-09-01T18:14:00			
[s] Observation end time (MET)	462915622.1163	462915621.0913			
Observation end date	2012-09-01T19:40:22	2012-09-01T19:40:21			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.09.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.283094886601

A.2 Comments