

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 53871 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Mar 11 2013

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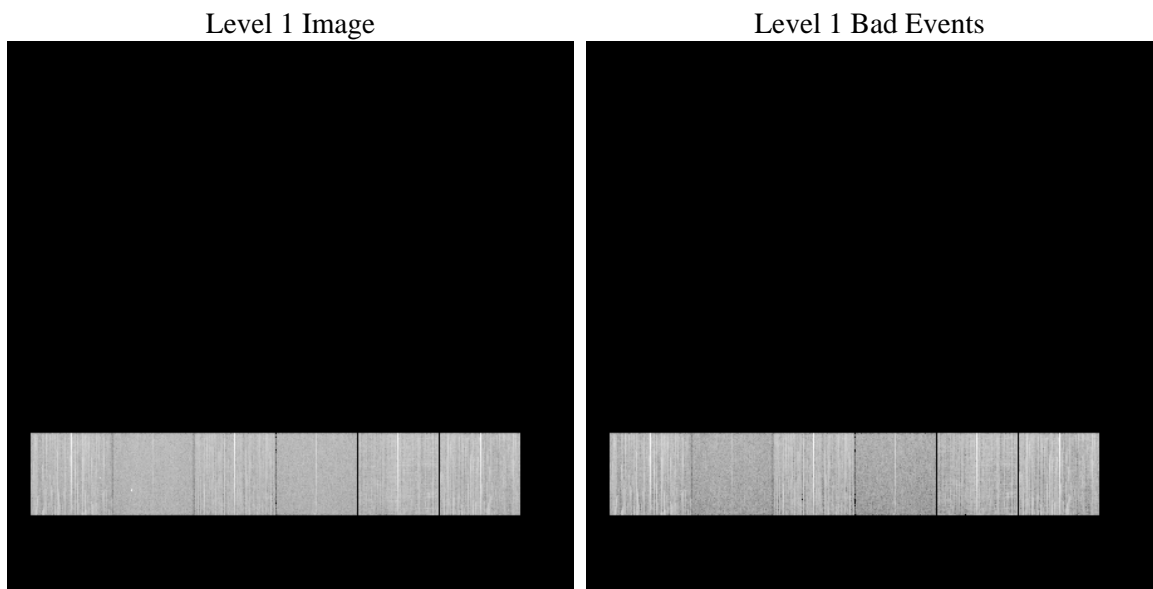
1 Front

seq_num	 	Sequence number
obs_id	53871	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	1.9691347342178	Nominal RA [deg]
dec_nom	-51.021003491519	Nominal Dec [deg]
roll_nom	194.36965787346	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8273.8167186379	Sum of GTIs [s]
livetime	8169.0486694522	Livetime [s]
ontime4	8273.693598628	Sum of GTIs [s]
ontime5	8273.7756786346	Sum of GTIs [s]
ontime6	8273.7346386313	Sum of GTIs [s]
ontime7	8273.8167186379	Sum of GTIs [s]
ontime8	8273.6525586247	Sum of GTIs [s]
ontime9	8273.8577586412	Sum of GTIs [s]
l2events	300769	Number of level 2 events

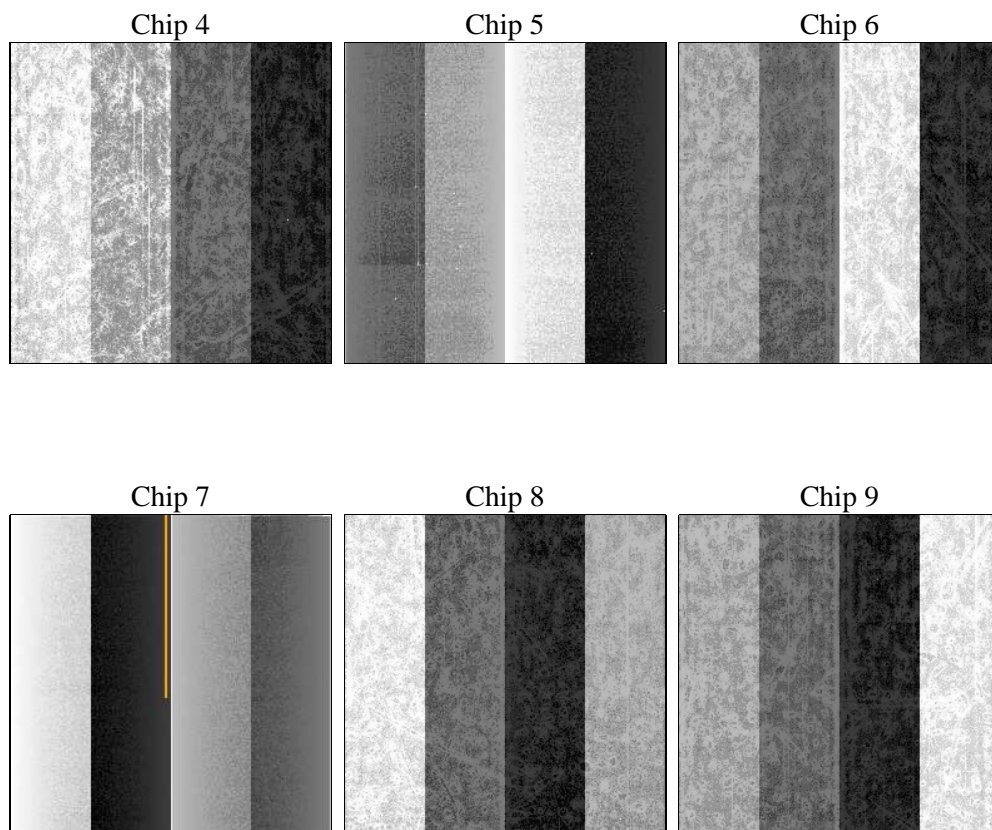
2 OBI

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	8.5.1.1	Processing system revision	ontime	8273.8167186379	Sum of GTIs [s]
caldsver	4.5.6	 	ontime4	8273.693598628	Sum of GTIs [s]
date	2013-03-11T18:53:28	Date and time of file creation	ontime5	8273.7756786346	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8273.7346386313	Sum of GTIs [s]
			ontime7	8273.8167186379	Sum of GTIs [s]
			ontime8	8273.6525586247	Sum of GTIs [s]
			ontime9	8273.8577586412	Sum of GTIs [s]
			l1events	1082214	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	198309	154769	194670	146059	192121	196286	grade 0 events	22788	5782	18156	9888	23357	20109
rejected events	154360	83671	150094	76949	137813	152223		11%	3%	9%	6%	12%	10%
rejected %	77%	54%	77%	52%	71%	77%	grade 1 events	161	174	95	83	134	106
								0%	0%	0%	0%	0%	0%
							grade 2 events	8749	27297	12787	17640	12310	10232
								4%	17%	6%	12%	6%	5%
							grade 3 events	2917	2182	2289	4973	3785	2769
								1%	1%	1%	3%	1%	1%
							grade 4 events	2910	2201	2374	4935	3694	2681
								1%	1%	1%	3%	1%	1%
							grade 5 events	3419	6161	3116	7661	4262	3727
								1%	3%	1%	5%	2%	1%
							grade 6 events	6585	33636	8970	31674	11162	8272
								3%	21%	4%	21%	5%	4%
							grade 7 events	150780	77336	146883	69205	133417	148390
								76%	49%	75%	47%	69%	75%

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	1.969134734217846	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-51.02100349151897	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	194.3696578734625	[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)	479362481.901523	479362480.87652			
Observation start date	2013-03-11T04:14:42	2013-03-11T04:14:40			
[s] Observation end time (MET)	479373490.402119	479373489.37712			
Observation end date	2013-03-11T07:18:10	2013-03-11T07:18:09			
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)	2013.03.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2738167186379

A.2 Comments