

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 53946 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Feb 15 2013

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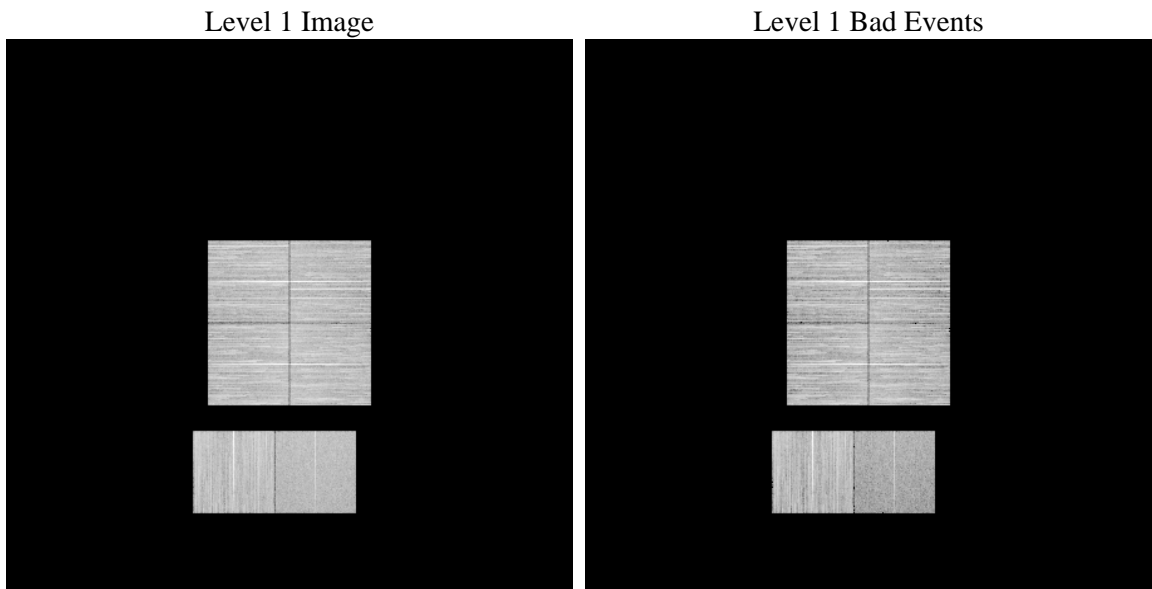
1 Front

seq_num	 	Sequence number
obs_id	53946	Observation id
title	ACIS-012367 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtycle	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	181.46344221814	Nominal RA [deg]
dec_nom	-1.9384246839801	Nominal Dec [deg]
roll_nom	65.186734778237	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8021.5442073941	Sum of GTIs [s]
livetime	7919.9705846461	Livetime [s]
ontime0	8021.5031673908	Sum of GTIs [s]
ontime1	8021.4621273875	Sum of GTIs [s]
ontime2	8018.1801069975	Sum of GTIs [s]
ontime3	8021.5852473974	Sum of GTIs [s]
ontime6	8021.3800473809	Sum of GTIs [s]
ontime7	8021.5442073941	Sum of GTIs [s]
l2events	220204	Number of level 2 events

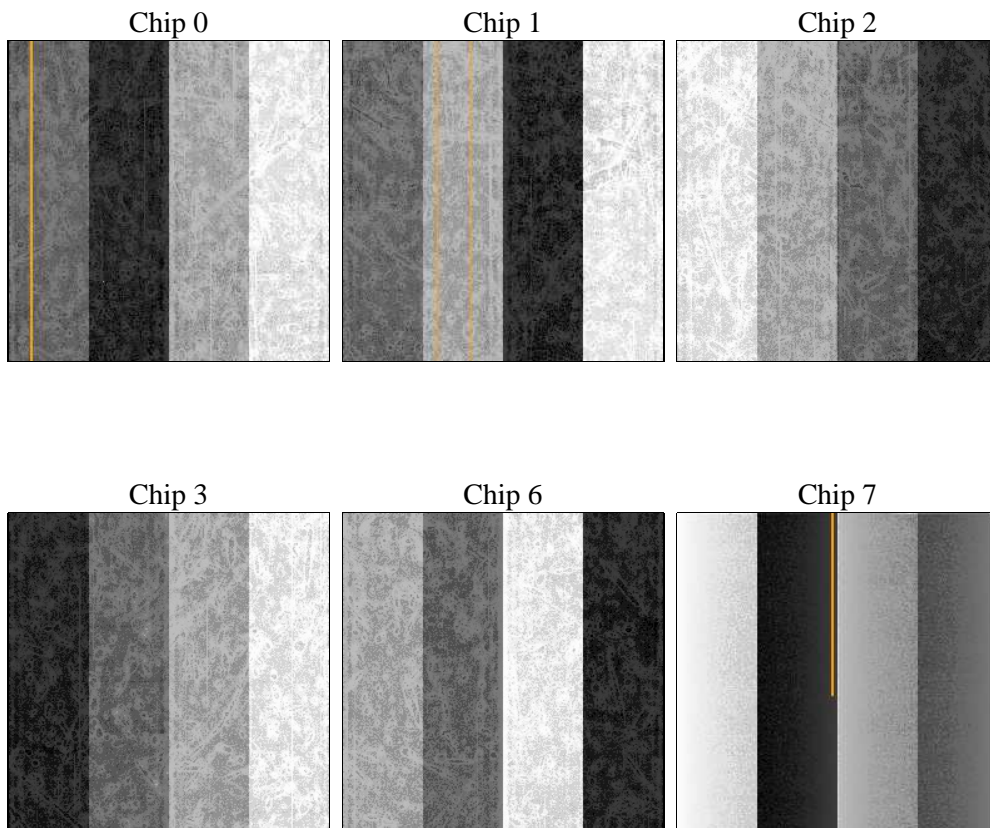
2 OBI

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	8021.5442073941	Sum of GTIs [s]
caldbver	4.5.5	 	ontime0	8021.5031673908	Sum of GTIs [s]
date	2013-02-15T21:32:00	Date and time of file creation	ontime1	8021.4621273875	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8018.1801069975	Sum of GTIs [s]
			ontime3	8021.5852473974	Sum of GTIs [s]
			ontime6	8021.3800473809	Sum of GTIs [s]
			ontime7	8021.5442073941	Sum of GTIs [s]
			l1events	1007621	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	173561	164285	178623	176999	176984	137169	grade 0 events	17735	17308	18049	18364	18357	9548
rejected events	139691	130226	144902	143168	141420	74944		10%	10%	10%	10%	10%	6%
rejected %	80%	79%	81%	80%	79%	54%	grade 1 events	89	95	105	126	74	95
								0%	0%	0%	0%	0%	0%
							grade 2 events	7006	7373	6822	6502	7363	15592
								4%	4%	3%	3%	4%	11%
							grade 3 events	2435	2397	2346	2422	2430	5439
								1%	1%	1%	1%	1%	3%
							grade 4 events	2385	2347	2460	2488	2388	5373
								1%	1%	1%	1%	1%	3%
							grade 5 events	3139	3190	3061	3513	3377	8297
								1%	1%	1%	1%	1%	6%
							grade 6 events	5405	5753	5167	5194	6256	28292
								3%	3%	2%	2%	3%	20%
							grade 7 events	135367	125822	140613	138390	136739	64533
								77%	76%	78%	78%	77%	47%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	181.4634422181358	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-1.938424683980055	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	65.18673477823674	[s] Primary exposure time	3.2	3.2
SIM focus pos (mm)	-1.4281808131	-1.4281808131			
[mm] SIM defocus	0.1051557500557434	0.1051557500557434			
SIM translation stage pos (mm)	250.4660330802	250.4660330802			
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584			
[s] Observation start time (MET)	477275425.988665	477275425.988665			
Observation start date	2013-02-15T00:30:26	2013-02-15T00:30:25			
[s] Observation end time (MET)	477284973.340472	477284973.340472			
Observation end date	2013-02-15T03:09:33	2013-02-15T03:09:33			
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)	2013.02.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0215442073941

A.2 Comments