

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 59514 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 27 2012

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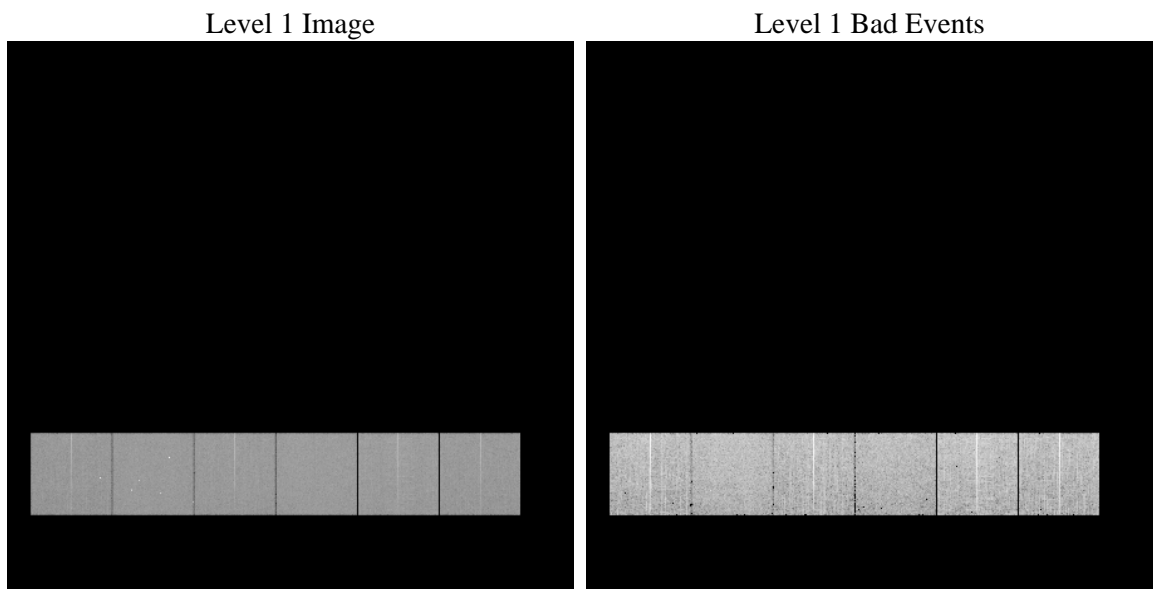
1 Front

seq_num	 	Sequence number
obs_id	59514	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	200.01782702309	Nominal RA [deg]
dec_nom	30.475870657881	Nominal Dec [deg]
roll_nom	269.55172343917	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7798.3999709487	Sum of GTIs [s]
livetime	7699.6519348838	Livetime [s]
ontime4	7338.183768034	Sum of GTIs [s]
ontime5	7798.3999709487	Sum of GTIs [s]
ontime6	7642.8338964581	Sum of GTIs [s]
ontime7	7798.3999709487	Sum of GTIs [s]
ontime8	7788.6770601571	Sum of GTIs [s]
ontime9	7513.1954145133	Sum of GTIs [s]
l2events	1016401	Number of level 2 events

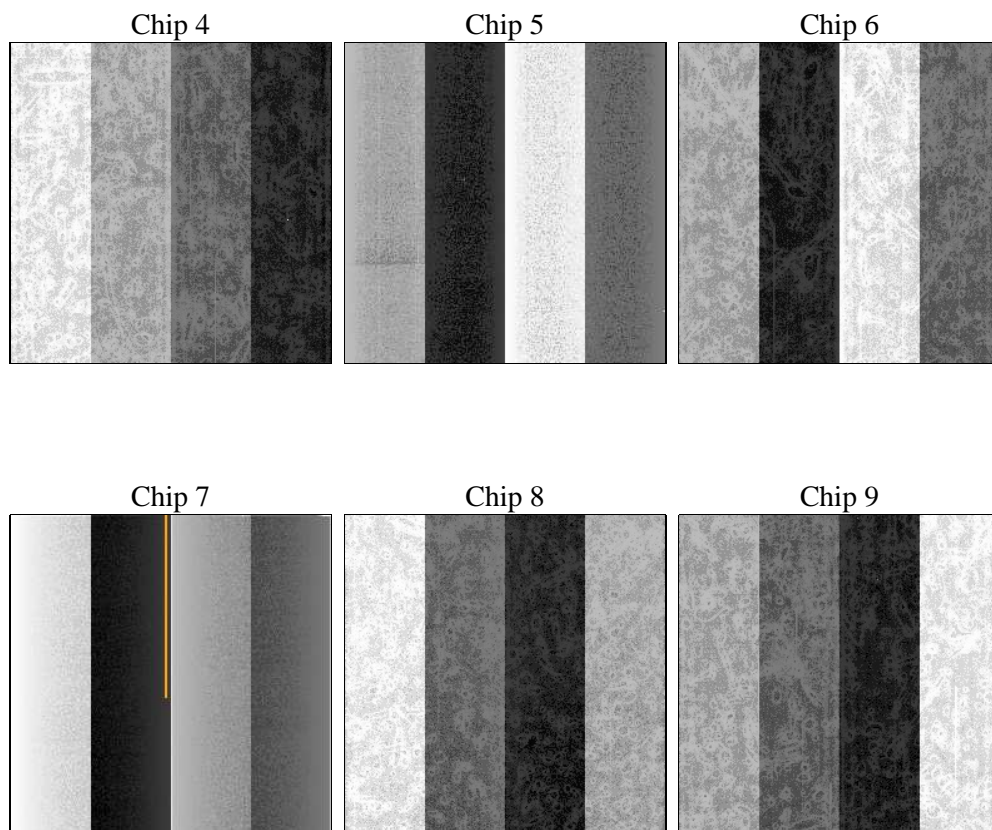
2 OBI

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	7798.3999709487	Sum of GTIs [s]
caldsver	4.5.5	 	ontime4	7338.183768034	Sum of GTIs [s]
date	2012-12-27T07:02:05	Date and time of file creation	ontime5	7798.3999709487	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	7642.8338964581	Sum of GTIs [s]
			ontime7	7798.3999709487	Sum of GTIs [s]
			ontime8	7788.6770601571	Sum of GTIs [s]
			ontime9	7513.1954145133	Sum of GTIs [s]
			l1events	1400083	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	214665	232124	233258	243324	251782	224930	grade 0 events	95138	40360	98305	47556	103688	94642
rejected events	51574	49934	51683	44760	59588	52730		44%	17%	42%	19%	41%	42%
rejected %	24%	21%	22%	18%	23%	23%	grade 1 events	662	213	434	176	511	534
								0%	0%	0%	0%	0%	0%
							grade 2 events	25810	64594	31695	43829	33805	29764
								12%	27%	13%	18%	13%	13%
							grade 3 events	10760	10602	11392	19755	12677	10931
								5%	4%	4%	8%	5%	4%
							grade 4 events	10813	10522	11509	19519	12666	11081
								5%	4%	4%	8%	5%	4%
							grade 5 events	3109	7673	3483	7955	3993	3573
								1%	3%	1%	3%	1%	1%
							grade 6 events	20646	56201	28743	67978	29444	25848
								9%	24%	12%	27%	11%	11%
							grade 7 events	47727	41959	47697	36556	54998	48557
								22%	18%	20%	15%	21%	21%

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	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
[deg] Pointing RA	0	200.0178270230915	Alternating exposures requested	N	N
[deg] Pointing Dec	0	30.47587065788145	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	269.5517234391721			
[mm] SIM focus pos	-0.684267	-1.038866356238299			
[mm] SIM defocus	0	0.4944702831659975			
[mm] SIM translation stage pos	-190.132523	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	239879350.548744	239879349.52375			
Observation start date	2005-08-08T09:09:11	2005-08-08T09:09:09			
[s] Observation end time (MET)	239894186.399424	239894185.37443			
Observation end date	2005-08-08T13:16:26	2005-08-08T13:16:25			
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)	2013.01.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7983999709487

A.2 Comments