

V&V Reference Report

L2 ASCDS Version : 10.1.1

Observation 53148 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Dec 19 2013

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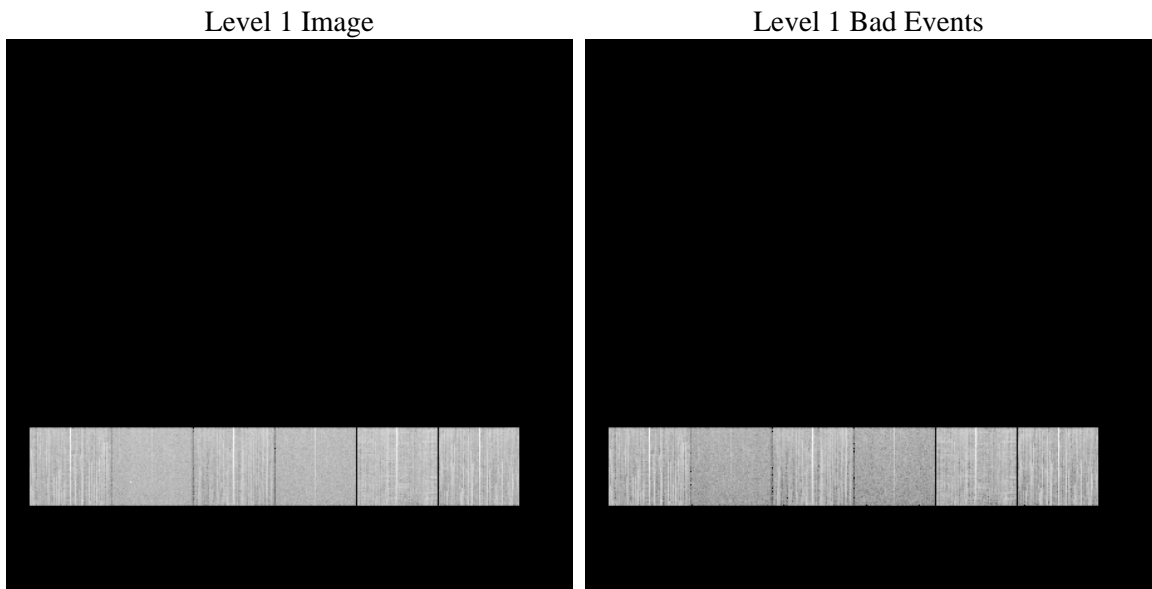
1 Front

seq_num	 	Sequence number
obs_id	53148	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	104.25039452027	Nominal RA [deg]
dec_nom	54.698224236715	Nominal Dec [deg]
roll_nom	150.77064842093	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8278.3999692202	Sum of GTIs [s]
livetime	8173.5738841559	Livetime [s]
ontime4	8278.3999692202	Sum of GTIs [s]
ontime5	8278.3999692202	Sum of GTIs [s]
ontime6	8278.3999692202	Sum of GTIs [s]
ontime7	8278.3999692202	Sum of GTIs [s]
ontime8	8278.3999692202	Sum of GTIs [s]
ontime9	8278.3999692202	Sum of GTIs [s]
l2events	210121	Number of level 2 events

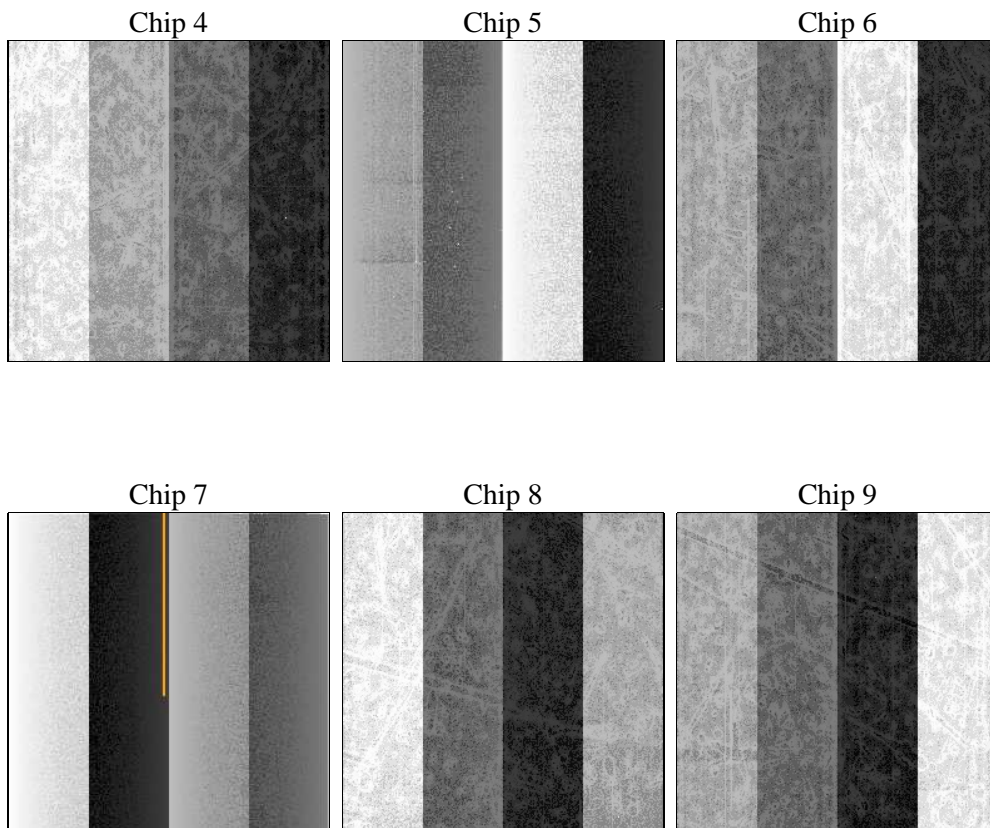
2 OBI

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	10.1.1	Processing system revision	ontime	8278.3999692202	Sum of GTIs [s]
caldsver	4.6.0	 	ontime4	8278.3999692202	Sum of GTIs [s]
date	2013-12-19T19:03:26	Date and time of file creation	ontime5	8278.3999692202	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8278.3999692202	Sum of GTIs [s]
			ontime7	8278.3999692202	Sum of GTIs [s]
			ontime8	8278.3999692202	Sum of GTIs [s]
			ontime9	8278.3999692202	Sum of GTIs [s]
			l1events	839152	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	150314	124002	144280	116565	155576	148415	grade 0 events	15235	3985	12807	6594	16440	14004
rejected events	121672	70205	114955	65372	118197	119151		10%	3%	8%	5%	10%	9%
rejected %	80%	56%	79%	56%	75%	80%	grade 1 events	121	135	58	76	73	76
								0%	0%	0%	0%	0%	0%
							grade 2 events	5581	19996	7722	12821	8279	6354
								3%	16%	5%	10%	5%	4%
							grade 3 events	2061	1700	1674	3860	2694	1901
								1%	1%	1%	3%	1%	1%
							grade 4 events	1990	1668	1732	3800	2660	1926
								1%	1%	1%	3%	1%	1%
							grade 5 events	2965	5138	2625	6563	3701	3209
								1%	4%	1%	5%	2%	2%
							grade 6 events	3785	26471	5407	24137	7320	5092
								2%	21%	3%	20%	4%	3%
							grade 7 events	118576	64909	112255	58714	114409	115853
								78%	52%	77%	50%	73%	78%

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	104.2503945202739	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	54.69822423671549	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	150.7706484209318	[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)	503814885.283219	503814884.25822			
Observation start date	2013-12-19T04:34:45	2013-12-19T04:34:44			
[s] Observation end time (MET)	503824171.783728	503824170.75873			
Observation end date	2013-12-19T07:09:32	2013-12-19T07:09:30			
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)	2013.12.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2783999692202

A.2 Comments