

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 53878 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Mar 9 2013

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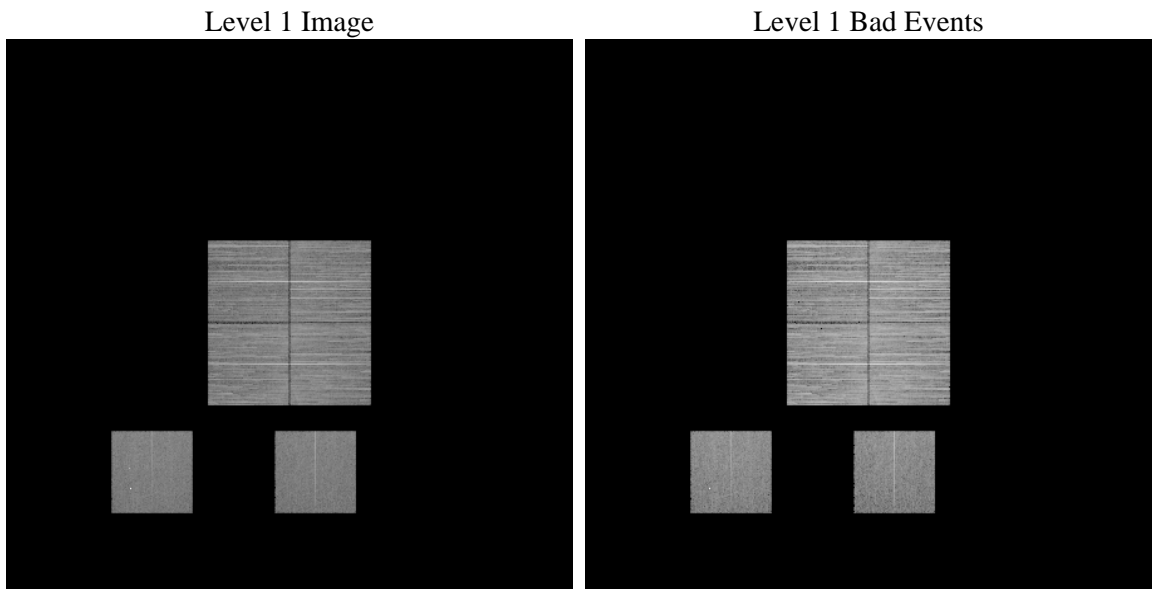
1 Front

seq_num	 	Sequence number
obs_id	53878	Observation id
title	ACIS-012357 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	192.80587364635	Nominal RA [deg]
dec_nom	18.767879507694	Nominal Dec [deg]
roll_nom	118.07620617032	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8159.9999696612	Sum of GTIs [s]
livetime	8056.6731366833	Livetime [s]
ontime0	8159.9999696612	Sum of GTIs [s]
ontime1	8156.7589693666	Sum of GTIs [s]
ontime2	8159.9999696612	Sum of GTIs [s]
ontime3	8159.9999696612	Sum of GTIs [s]
ontime5	8159.9999696612	Sum of GTIs [s]
ontime7	8159.9999696612	Sum of GTIs [s]
l2events	243228	Number of level 2 events

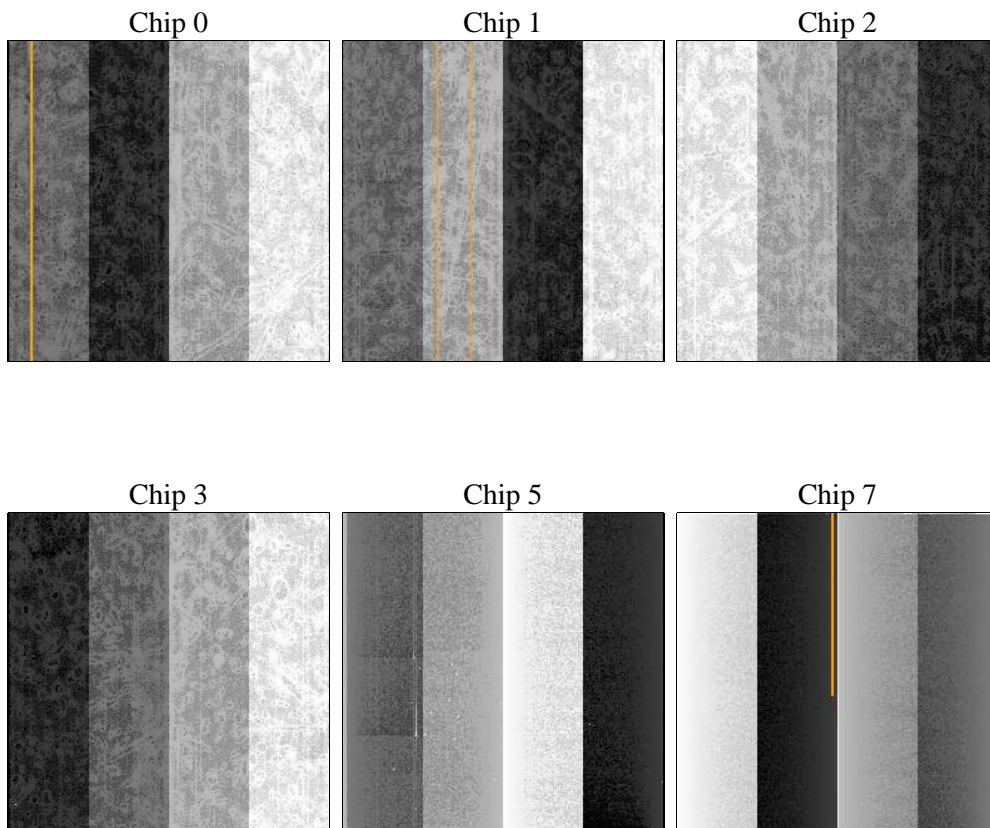
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	8159.9999696612	Sum of GTIs [s]
caldsver	4.5.6	 	ontime0	8159.9999696612	Sum of GTIs [s]
date	2013-03-09T07:09:06	Date and time of file creation	ontime1	8156.7589693666	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8159.9999696612	Sum of GTIs [s]
			ontime3	8159.9999696612	Sum of GTIs [s]
			ontime5	8159.9999696612	Sum of GTIs [s]
			ontime7	8159.9999696612	Sum of GTIs [s]
			l1events	997364	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	161193	182300	182515	190654	144142	136560	grade 0 events	14804	12788	16161	15803	5025	7938
rejected events	128641	149408	149189	157082	79691	76193		9%	7%	8%	8%	3%	5%
rejected %	79%	81%	81%	82%	55%	55%	grade 1 events	76	64	70	96	162	100
								0%	0%	0%	0%	0%	0%
							grade 2 events	8488	10327	7956	8097	22705	14779
								5%	5%	4%	4%	15%	10%
							grade 3 events	1922	1806	2032	2032	2799	4655
								1%	0%	1%	1%	1%	3%
							grade 4 events	1894	1813	2015	2148	2888	4372
								1%	0%	1%	1%	2%	3%
							grade 5 events	2630	2567	2683	2999	5595	7324
								1%	1%	1%	1%	3%	5%
							grade 6 events	5444	6158	5162	5492	31034	28623
								3%	3%	2%	2%	21%	20%
							grade 7 events	125935	146777	146436	153987	73934	68769
								78%	80%	80%	80%	51%	50%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012357	ACIS-012357	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	192.8058736463463	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	18.76787950769397	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	118.0762061703168	[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)	479135056.939214	479135055.91421			
Observation start date	2013-03-08T13:04:17	2013-03-08T13:04:15			
[s] Observation end time (MET)	479143603.389676	479143602.36468			
Observation end date	2013-03-08T15:26:43	2013-03-08T15:26:42			
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)	2013.03.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1599999696612

A.2 Comments