

V&V Reference Report

L2 ASCDS Version : 10

Observation 53418 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Sep 7 2013

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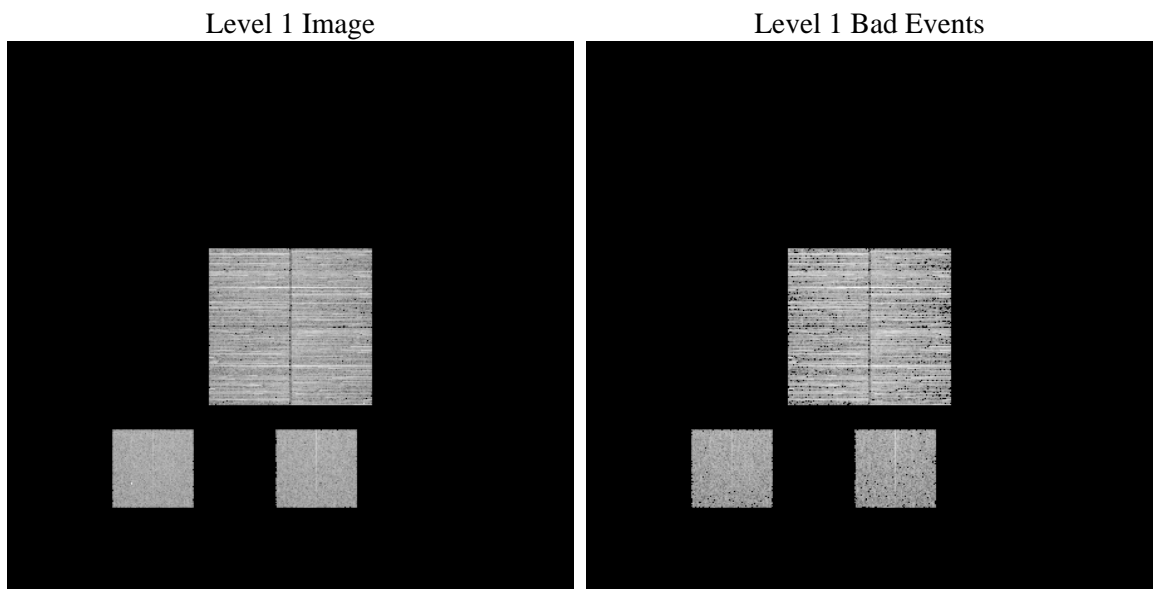
1 Front

seq_num	 	Sequence number
obs_id	53418	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	321.88049369732	Nominal RA [deg]
dec_nom	-11.378858368494	Nominal Dec [deg]
roll_nom	280.61420202249	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3286.3999878168	Sum of GTIs [s]
livetime	3244.7856123386	Livetime [s]
ontime0	3286.3999878168	Sum of GTIs [s]
ontime1	3286.3999878168	Sum of GTIs [s]
ontime2	3286.3999878168	Sum of GTIs [s]
ontime3	3286.3999878168	Sum of GTIs [s]
ontime5	3286.3999878168	Sum of GTIs [s]
ontime7	3286.3999878168	Sum of GTIs [s]
l2events	86672	Number of level 2 events

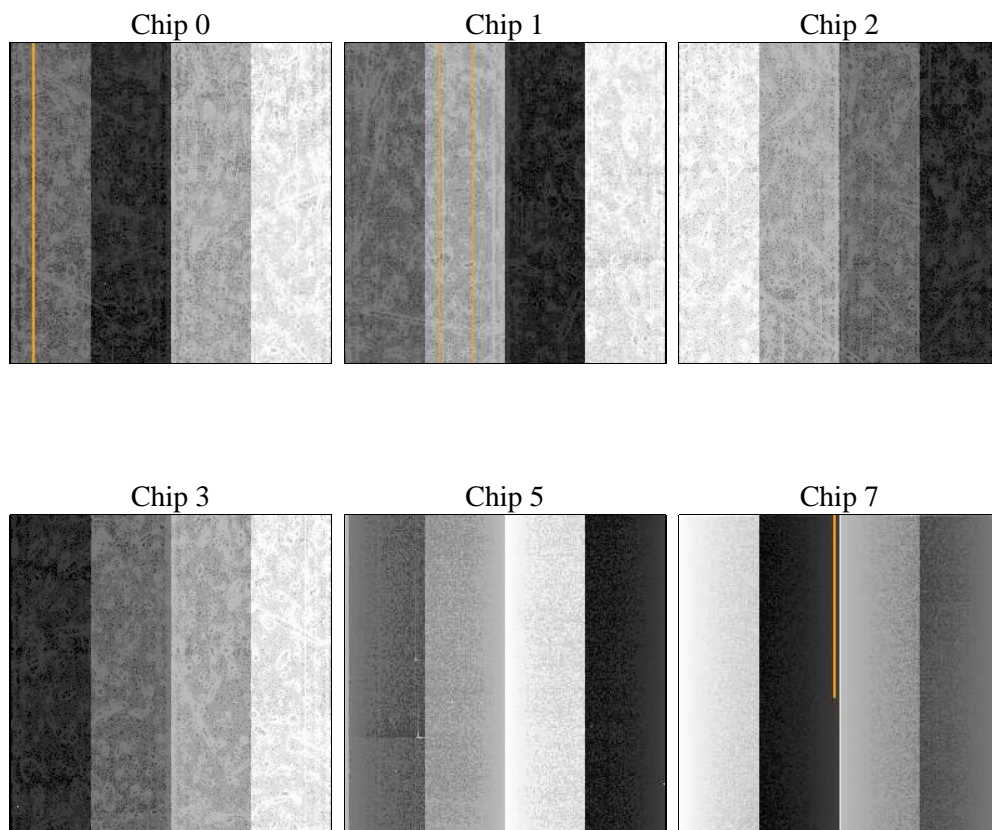
2 OBI

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	10	Processing system revision	ontime	3286.3999878168	Sum of GTIs [s]
caldsver	4.5.8	 	ontime0	3286.3999878168	Sum of GTIs [s]
date	2013-09-07T14:26:41	Date and time of file creation	ontime1	3286.3999878168	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	3286.3999878168	Sum of GTIs [s]
			ontime3	3286.3999878168	Sum of GTIs [s]
			ontime5	3286.3999878168	Sum of GTIs [s]
			ontime7	3286.3999878168	Sum of GTIs [s]
			l1events	323942	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	59976	55759	55097	58752	47716	46642	grade 0 events	5978	5754	6210	6391	2077	3079
rejected events	48045	43802	43306	46744	25597	25106		9%	10%	11%	10%	4%	6%
rejected %	80%	78%	78%	79%	53%	53%	grade 1 events	28	24	39	28	43	39
								0%	0%	0%	0%	0%	0%
							grade 2 events	2423	2574	2290	2275	8525	5335
								4%	4%	4%	3%	17%	11%
							grade 3 events	785	799	781	779	726	1760
								1%	1%	1%	1%	1%	3%
							grade 4 events	840	784	827	771	706	1680
								1%	1%	1%	1%	1%	3%
							grade 5 events	1054	1122	1009	1135	2147	2893
								1%	2%	1%	1%	4%	6%
							grade 6 events	1912	2054	1695	1808	10104	9700
								3%	3%	3%	3%	21%	20%
							grade 7 events	46956	42648	42246	45565	23388	22156
								78%	76%	76%	77%	49%	47%

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	321.8804936973184	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-11.37885836849448	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	280.614202022488	[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)	494900888.245267	494900887.22027			
Observation start date	2013-09-07T00:28:08	2013-09-07T00:28:07			
[s] Observation end time (MET)	494906775.845589	494906774.82059			
Observation end date	2013-09-07T02:06:16	2013-09-07T02:06:14			
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)	2013.09.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2863999878168

A.2 Comments