

V&V Reference Report

L2 ASCDS Version : 10.4.3

Observation 51407 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Dec 19 2015

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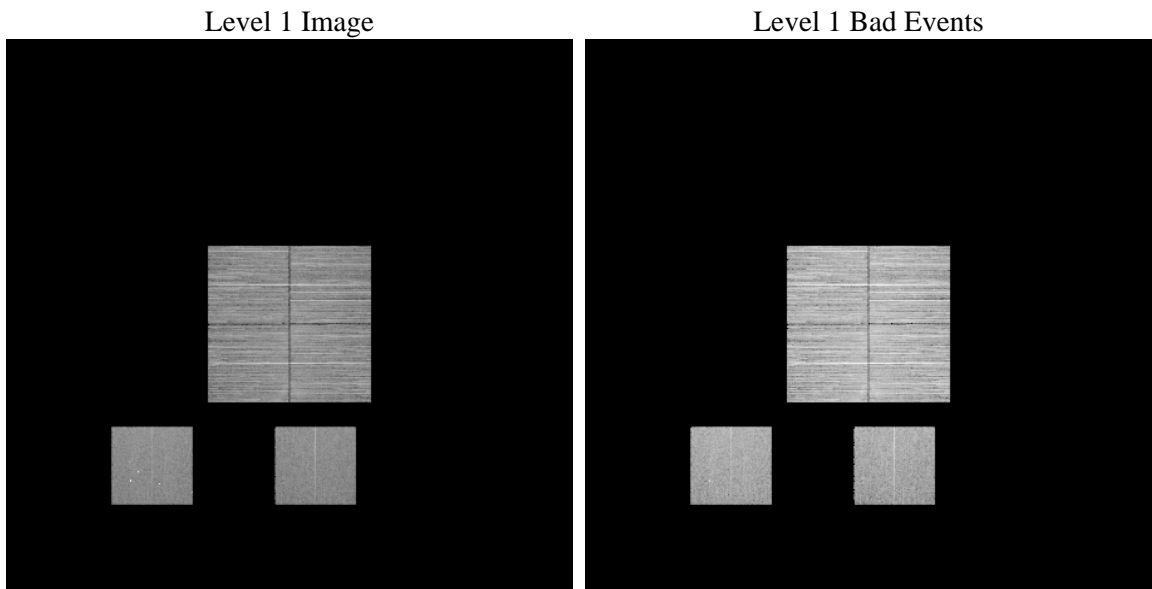
1 Front

seq_num	 	Sequence number
obs_id	51407	Observation id
title	ACIS-012357 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtycycle	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	51.188085080262	Nominal RA [deg]
dec_nom	-13.412894896752	Nominal Dec [deg]
roll_nom	58.987600409475	Nominal Roll [deg]
revision	1	Processing version of data
ontime	7609.5005501509	Sum of GTIs [s]
livetime	7513.1444722937	Livetime [s]
ontime0	7606.2184597254	Sum of GTIs [s]
ontime1	7609.4184701443	Sum of GTIs [s]
ontime2	7609.3774300814	Sum of GTIs [s]
ontime3	7609.5415900946	Sum of GTIs [s]
ontime5	7609.3363901377	Sum of GTIs [s]
ontime7	7609.5005501509	Sum of GTIs [s]
l2events	157941	Number of level 2 events

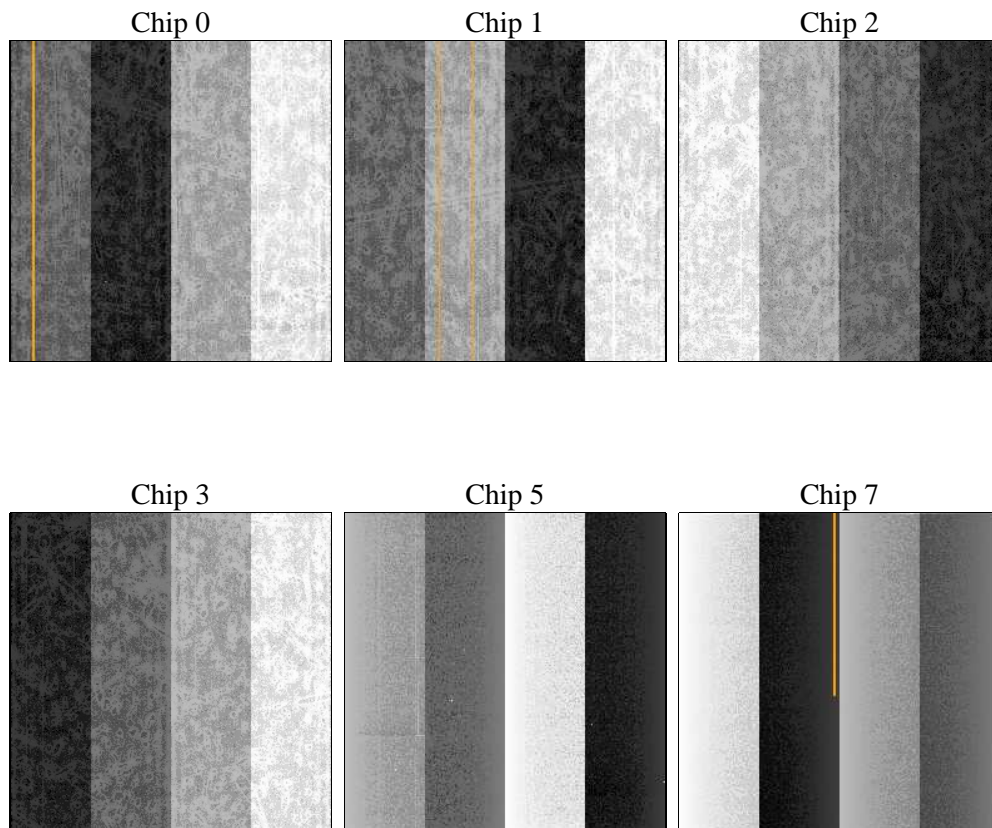
2 OBI

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	10.4.3	Processing system revision	ontime	7609.5005501509	Sum of GTIs [s]
caldbver	4.7.0	 	ontime0	7606.2184597254	Sum of GTIs [s]
date	2015-12-19T06:39:21	Date and time of file creation	ontime1	7609.4184701443	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	7609.3774300814	Sum of GTIs [s]
			ontime3	7609.5415900946	Sum of GTIs [s]
			ontime5	7609.3363901377	Sum of GTIs [s]
			ontime7	7609.5005501509	Sum of GTIs [s]
			l1events	842343	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	148369	151166	144804	156753	125798	115453	grade 0 events	8703	7972	9074	9297	6924	4914
rejected events	129632	132376	126516	137806	73402	71338		5%	5%	6%	5%	5%	4%
rejected %	87%	87%	87%	87%	58%	61%	grade 1 events	72	31	52	74	368	86
								0%	0%	0%	0%	0%	0%
							grade 2 events	4594	5250	3962	4202	18715	11405
								3%	3%	2%	2%	14%	9%
							grade 3 events	1330	1200	1378	1352	1433	3256
								0%	0%	0%	0%	1%	2%
							grade 4 events	1247	1217	1361	1461	1357	3189
								0%	0%	0%	0%	1%	2%
							grade 5 events	2677	2691	2518	3125	5324	7022
								1%	1%	1%	1%	4%	6%
							grade 6 events	3361	3709	3003	3171	25279	22604
								2%	2%	2%	2%	20%	19%
							grade 7 events	126385	129096	123456	134071	66398	62977
								85%	85%	85%	85%	52%	54%

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	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	51.18808508026223	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-13.41289489675196	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	58.98760040947516	[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)	566840825.536961	566840825.536961			
Observation start date	2015-12-18T15:47:06	2015-12-18T15:47:05			
[s] Observation end time (MET)	566849911.8363971	566849911.8363971			
Observation end date	2015-12-18T18:18:32	2015-12-18T18:18:31			
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)	2015.12.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.6095005501509

A.2 Comments