

V&V Reference Report

L2 ASCDS Version : 10.4.1

Observation 51694 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Aug 12 2015

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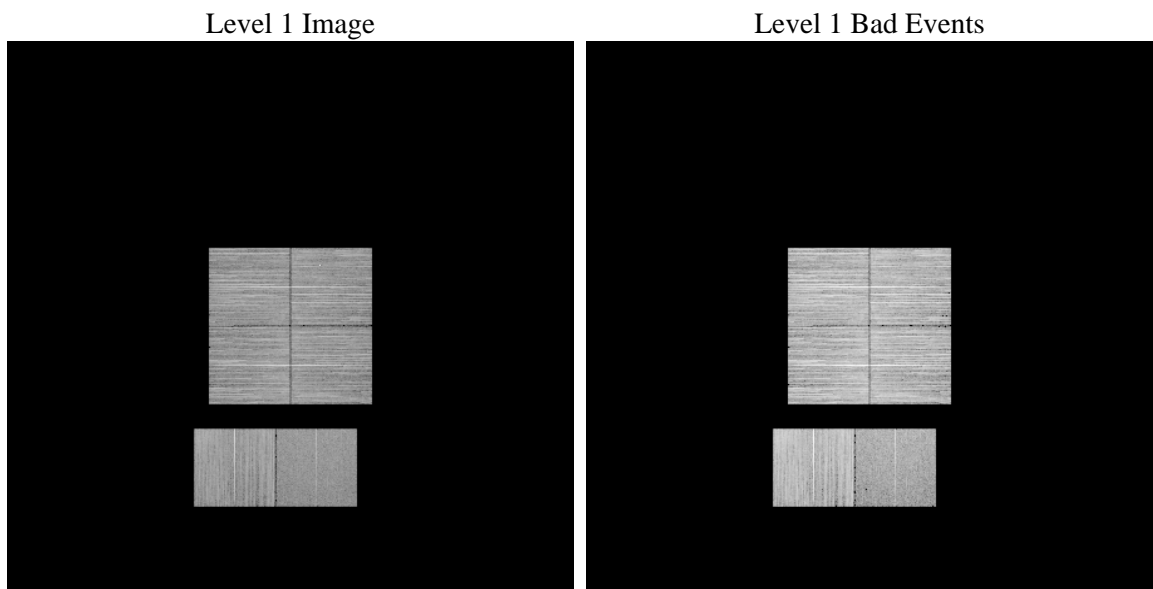
1 Front

seq_num	 	Sequence number
obs_id	51694	Observation id
title	ACIS-012367 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	305.28557963818	Nominal RA [deg]
dec_nom	-35.887567854852	Nominal Dec [deg]
roll_nom	322.00140822577	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8261.7973957062	Sum of GTIs [s]
livetime	8157.1815424246	Livetime [s]
ontime0	8164.5251556635	Sum of GTIs [s]
ontime1	8170.9647208452	Sum of GTIs [s]
ontime2	8161.2020356655	Sum of GTIs [s]
ontime3	8158.1251556873	Sum of GTIs [s]
ontime6	8157.9199557304	Sum of GTIs [s]
ontime7	8261.7973957062	Sum of GTIs [s]
l2events	143764	Number of level 2 events

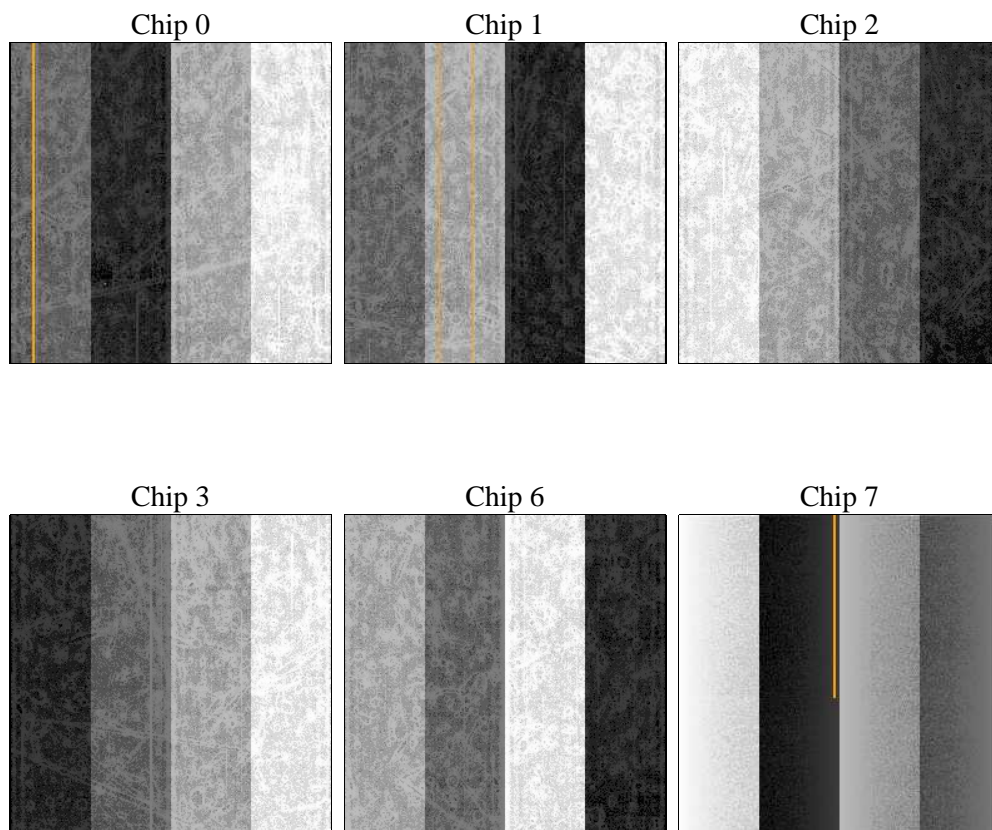
2 OBI

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	10.4.1	Processing system revision	ontime	8261.7973957062	Sum of GTIs [s]
caldsver	4.6.8	 	ontime0	8164.5251556635	Sum of GTIs [s]
date	2015-08-12T06:23:59	Date and time of file creation	ontime1	8170.9647208452	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8161.2020356655	Sum of GTIs [s]
			ontime3	8158.1251556873	Sum of GTIs [s]
			ontime6	8157.9199557304	Sum of GTIs [s]
			ontime7	8261.7973957062	Sum of GTIs [s]
			l1events	879269	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	155003	151064	154025	147509	154345	117323	grade 0 events	10534	10460	10337	10743	9647	5438
rejected events	133508	128573	132997	126077	132805	70367		6%	6%	6%	7%	6%	4%
rejected %	86%	85%	86%	85%	86%	59%	grade 1 events	50	55	78	85	54	86
								0%	0%	0%	0%	0%	0%
							grade 2 events	4660	5272	4462	4318	5056	11640
								3%	3%	2%	2%	3%	9%
							grade 3 events	1447	1434	1453	1496	1416	3556
								0%	0%	0%	1%	0%	3%
							grade 4 events	1403	1467	1460	1522	1357	3357
								0%	0%	0%	1%	0%	2%
							grade 5 events	2797	2721	2633	3132	2862	7009
								1%	1%	1%	2%	1%	5%
							grade 6 events	3454	3869	3325	3366	4073	22989
								2%	2%	2%	2%	2%	19%
							grade 7 events	130658	125786	130277	122847	129880	63248
								84%	83%	84%	83%	84%	53%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	305.2855796381776	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-35.88756785485245	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	322.0014082257713	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-0.7809083437167272			
[mm] SIM defocus	0.1037507710433287	0.7524282956875696			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	555687489.567237	555687488.54224			
Observation start date	2015-08-11T13:38:10	2015-08-11T13:38:08			
[s] Observation end time (MET)	555700871.968027	555700870.94303			
Observation end date	2015-08-11T17:21:12	2015-08-11T17:21:10			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2015.08.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2617973957062

A.2 Comments

Short period in format 4 for grating movement near end of observation.
This interval is not included in the GTI.