

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 58259 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Apr 29 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Star Slots	6
2.4	FID Slots	6
A	Summary	7
A.1	Status	7
A.2	Comments	7

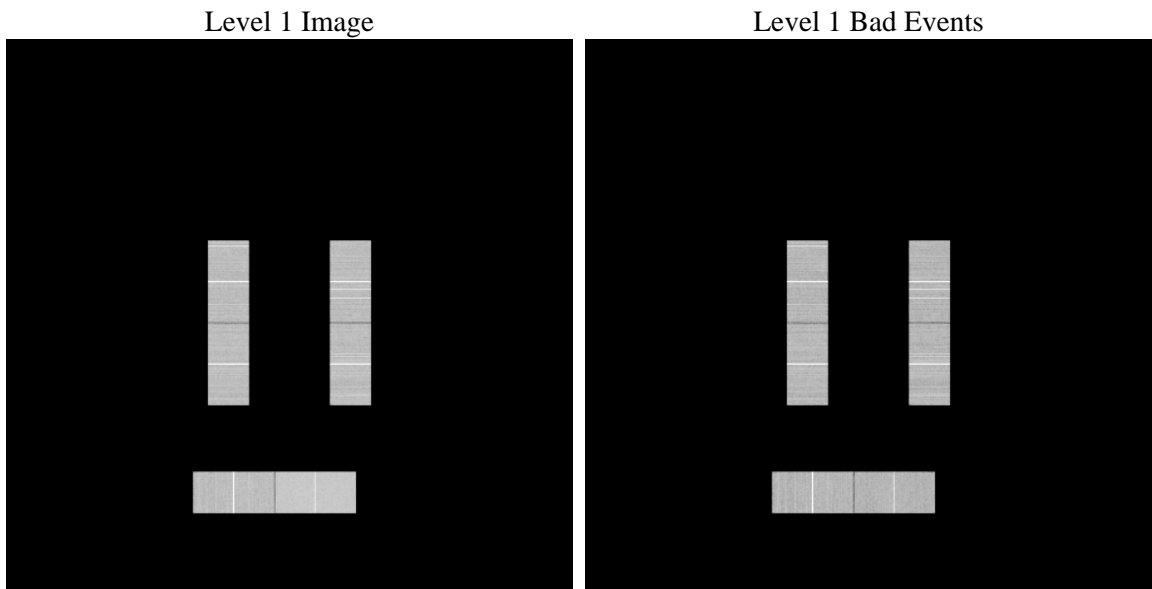
1 Front

seq_num	 	Sequence number
obs_id	58259	Observation id
title	ACIS-012367 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
ra_targ	0.0	Observer's specified target RA [deg]
dec_targ	0.0	Observer's specified target Dec [deg]
ra_nom	357.08490113192	Nominal RA [deg]
dec_nom	-16.475153604171	Nominal Dec [deg]
roll_nom	87.215989345423	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7634.25	Sum of GTIs [s]
livetime	7604.4287109375	Livetime [s]
ontime0	4649.9055965543	Sum of GTIs [s]
ontime1	4937.6932127476	Sum of GTIs [s]
ontime2	4644.3984135985	Sum of GTIs [s]
ontime3	4927.4792909026	Sum of GTIs [s]
ontime6	5118.6312659979	Sum of GTIs [s]
ontime7	7634.25	Sum of GTIs [s]
l2events	332604	Number of level 2 events

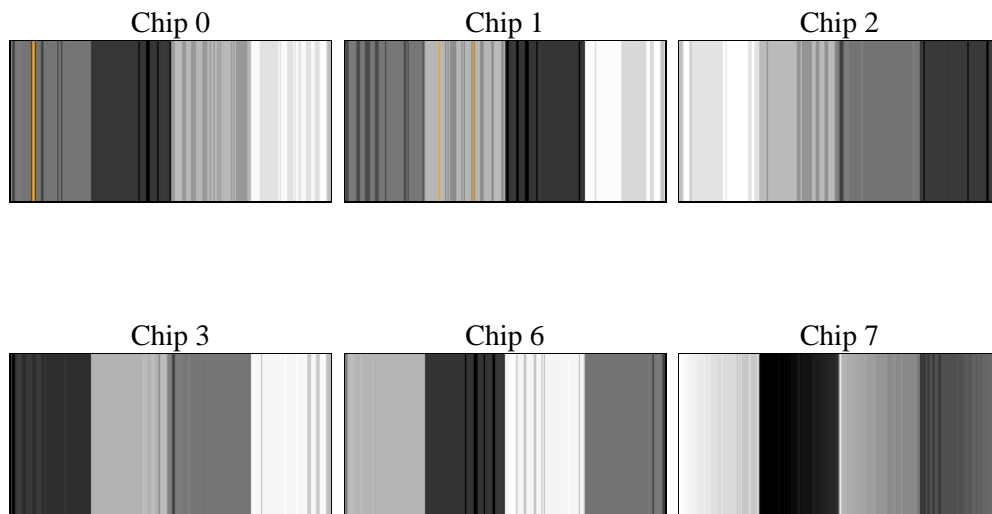
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	6360	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	7634.25	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	4649.9055965543	Sum of GTIs [s]
date	2012-04-29T16:30:25	Date and time of file creation	ontime1	4937.6932127476	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	4644.3984135985	Sum of GTIs [s]
			ontime3	4927.4792909026	Sum of GTIs [s]
			ontime6	5118.6312659979	Sum of GTIs [s]
			ontime7	7634.25	Sum of GTIs [s]
			l1events	1371130	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	214077	220439	213547	221457	218015	283595	grade 0 events	7781	7451	7668	8178	6849	22705
rejected events	176036	177896	175836	177833	170242	143398		3%	3%	3%	3%	3%	8%
rejected %	82%	80%	82%	80%	78%	50%	grade 1 events	75	64	80	90	61	181
								0%	0%	0%	0%	0%	0%
							grade 2 events	37982	41636	39005	41958	45729	43433
								17%	18%	18%	18%	20%	15%
							grade 3 events	1779	1624	1809	1986	1810	10274
								0%	0%	0%	0%	0%	3%
							grade 4 events	1751	1649	1711	1796	1662	10043
								0%	0%	0%	0%	0%	3%
							grade 5 events	2207	2440	2270	2550	2769	10560
								1%	1%	1%	1%	1%	3%
							grade 6 events	13197	14415	13068	14020	15901	59126
								6%	6%	6%	6%	7%	20%
							grade 7 events	149305	151160	147936	150879	143234	127273
								69%	68%	69%	68%	65%	44%

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	OVERRIDE	OVERRIDE
Data mode	CC33_FAINT	CC33_FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	357.0849007543123	357.0849011319211	Subarray requested	NONE	NONE
[deg] Pointing Dec	-16.47515394057693	-16.47515360417147	Alternating exposures requested	N	N
[deg] Pointing Roll	87.21598918072536	87.21598934542338	[s] Primary exposure time	0	0
[mm] SIM focus pos	-0.68282252473119	-0.68282252473119			
[mm] SIM defocus	0.8505140384245534	0.8505140384245534			
[mm] SIM translation stage pos	250.4635187649	250.4635187649			
[mm] SIM translation stage offset	-0.007542945905271381	-0.007542945905271381			
[s] Observation start time (MET)	303846971.351764	303846971.351764			
Observation start date	2007-08-18T18:30:00	2007-08-18T17:56:11			
[s] Observation end time (MET)	303856491.287362	303856491.287362			
Observation end date	2007-08-18T20:16:00	2007-08-18T20:34:51			
Read mode	CONTINUOUS	CONTINUOUS			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.05.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.63425

A.2 Comments