

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 58318 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Apr 27 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

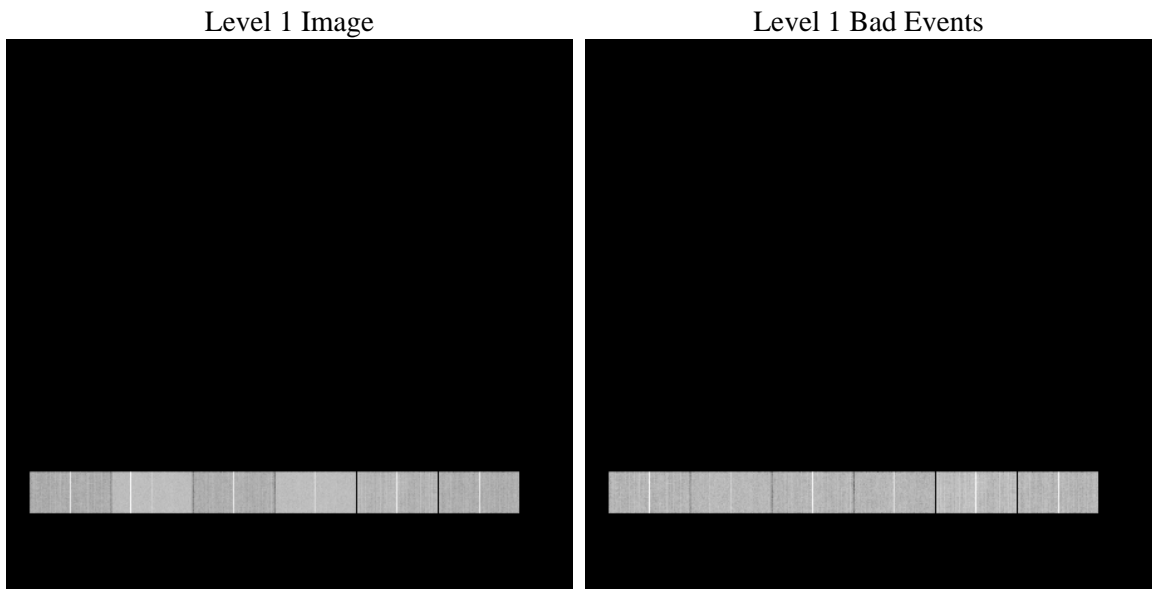
1 Front

seq_num	 	Sequence number
obs_id	58318	Observation id
title	ACIS-456789 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	292.36961754688	Nominal RA [deg]
dec_nom	8.1877201761309	Nominal Dec [deg]
roll_nom	178.42926335039	Nominal Roll [deg]
revision	2	Processing version of data
ontime	6465.75	Sum of GTIs [s]
livetime	6440.4931640625	Livetime [s]
ontime4	3202.3718934059	Sum of GTIs [s]
ontime5	6465.75	Sum of GTIs [s]
ontime6	3504.4220888615	Sum of GTIs [s]
ontime7	6465.75	Sum of GTIs [s]
ontime8	3605.106571734	Sum of GTIs [s]
ontime9	3494.2087355852	Sum of GTIs [s]
l2events	321187	Number of level 2 events

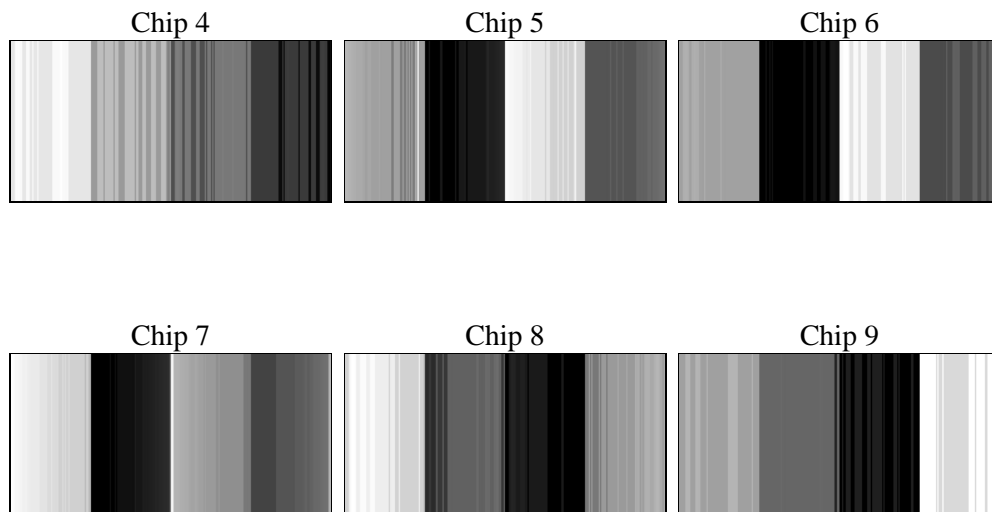
2 OBI

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	8.4.4	Processing system revision	ontime	6465.75	Sum of GTIs [s]
caldsver	4.4.9	 	ontime4	3202.3718934059	Sum of GTIs [s]
date	2012-04-28T01:41:49	Date and time of file creation	ontime5	6465.75	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	3504.4220888615	Sum of GTIs [s]
			ontime7	6465.75	Sum of GTIs [s]
			ontime8	3605.106571734	Sum of GTIs [s]
			ontime9	3494.2087355852	Sum of GTIs [s]
			l1events	1123571	Number of level 1 events

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	140461	260236	150035	231079	192089	149671	grade 0 events	4788	30272	4802	19794	8577	5306
rejected events	118772	115791	122767	110088	158561	123246		3%	11%	3%	8%	4%	3%
rejected %	84%	44%	81%	47%	82%	82%	grade 1 events	65	121	51	139	94	50
								0%	0%	0%	0%	0%	0%
							grade 2 events	26703	59275	30701	35606	32035	29341
								19%	22%	20%	15%	16%	19%
							grade 3 events	1189	2779	1233	8623	2116	1174
								0%	1%	0%	3%	1%	0%
							grade 4 events	1186	2705	1155	8746	2048	1202
								0%	1%	0%	3%	1%	0%
							grade 5 events	1737	7219	1815	8735	2424	1974
								1%	2%	1%	3%	1%	1%
							grade 6 events	8327	49521	10864	48324	12480	10154
								5%	19%	7%	20%	6%	6%
							grade 7 events	96466	108344	99414	101112	132315	100470
								68%	41%	66%	43%	68%	67%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	CC33_FAINT	CC33_FAINT	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
[deg] Pointing RA	0	292.3696175468834	Alternating exposures requested	N	N
[deg] Pointing Dec	0	8.187720176130908	[s] Primary exposure time	0	0
[deg] Pointing Roll	0.0	178.4292633503895			
[mm] SIM focus pos	-0.684267	-0.7809083437167272			
[mm] SIM defocus	0	0.7524282956875696			
[mm] SIM translation stage pos	-190.132523	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	300648329.548306	300648328.52333			
Observation start date	2007-07-12T17:25:30	2007-07-12T17:25:28			
[s] Observation end time (MET)	300666603.24918	300666602.2242			
Observation end date	2007-07-12T22:30:03	2007-07-12T22:30:02			
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	6.46575

A.2 Comments