

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 58041 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : May 7 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

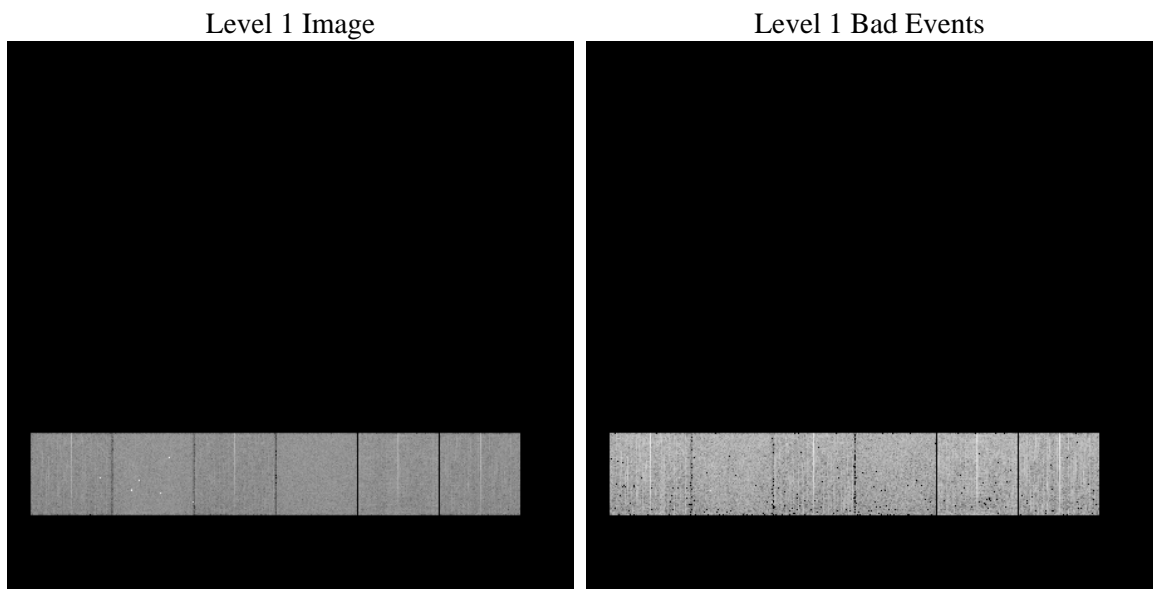
1 Front

seq_num	 	Sequence number
obs_id	58041	Observation id
title	ACIS-456789 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	78.781475999231	Nominal RA [deg]
dec_nom	41.973542604229	Nominal Dec [deg]
roll_nom	230.34881866339	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3470.5800120234	Sum of GTIs [s]
livetime	3426.6334381788	Livetime [s]
ontime4	3471.9999871254	Sum of GTIs [s]
ontime5	3471.9999871254	Sum of GTIs [s]
ontime6	3471.9999871254	Sum of GTIs [s]
ontime7	3470.5800120234	Sum of GTIs [s]
ontime8	3471.9999871254	Sum of GTIs [s]
ontime9	3470.5389720201	Sum of GTIs [s]
l2events	283961	Number of level 2 events

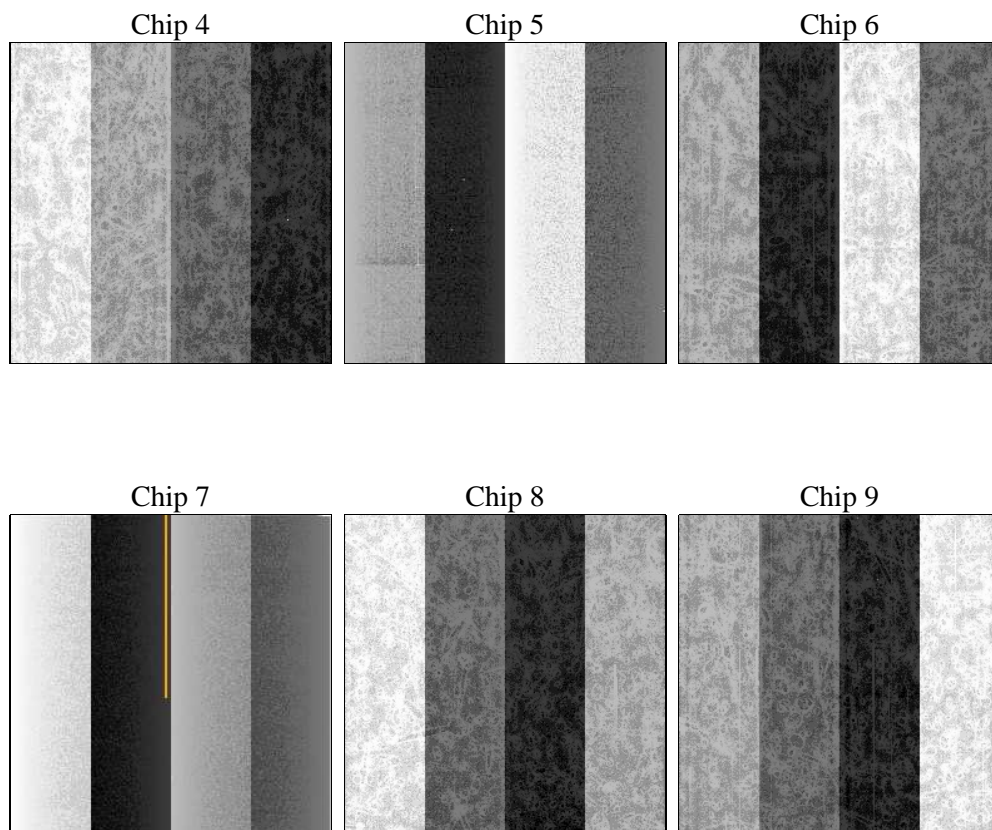
2 OBI

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	3470.5800120234	Sum of GTIs [s]
caldsver	4.4.9	 	ontime4	3471.9999871254	Sum of GTIs [s]
date	2012-05-07T14:50:40	Date and time of file creation	ontime5	3471.9999871254	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	3471.9999871254	Sum of GTIs [s]
			ontime7	3470.5800120234	Sum of GTIs [s]
			ontime8	3471.9999871254	Sum of GTIs [s]
			ontime9	3470.5389720201	Sum of GTIs [s]
			l1events	507953	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	78816	92027	77906	88762	89124	81318	grade 0 events	25704	11834	24943	12387	26624	24734
rejected events	34565	30647	31231	28319	37082	35504		32%	12%	32%	13%	29%	30%
rejected %	43%	33%	40%	31%	41%	43%	grade 1 events	259	260	148	70	196	167
								0%	0%	0%	0%	0%	0%
							grade 2 events	6698	21795	8228	13146	9540	7983
								8%	23%	10%	14%	10%	9%
							grade 3 events	3101	2890	2940	5792	3683	2959
								3%	3%	3%	6%	4%	3%
							grade 4 events	3054	2929	2992	5589	3628	3027
								3%	3%	3%	6%	4%	3%
							grade 5 events	1755	4300	1860	4562	2421	2010
								2%	4%	2%	5%	2%	2%
							grade 6 events	5736	21976	7605	23529	8631	7111
								7%	23%	9%	26%	9%	8%
							grade 7 events	32509	26043	29190	23687	34401	33327
								41%	28%	37%	26%	38%	40%

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	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
[deg] Pointing RA	0	78.78147599923119	Alternating exposures requested	N	N
[deg] Pointing Dec	0	41.97354260422905	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	230.3488186633859			
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.8505141146731063			
[mm] SIM translation stage pos	-190.132523	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	315505190.714039	315505189.68904			
Observation start date	2007-12-31T16:19:51	2007-12-31T16:19:49			
[s] Observation end time (MET)	315511539.564346	315511538.53935			
Observation end date	2007-12-31T18:05:40	2007-12-31T18:05:38			
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)	2012.05.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.4705800120234

A.2 Comments