

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 57646 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : May 20 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

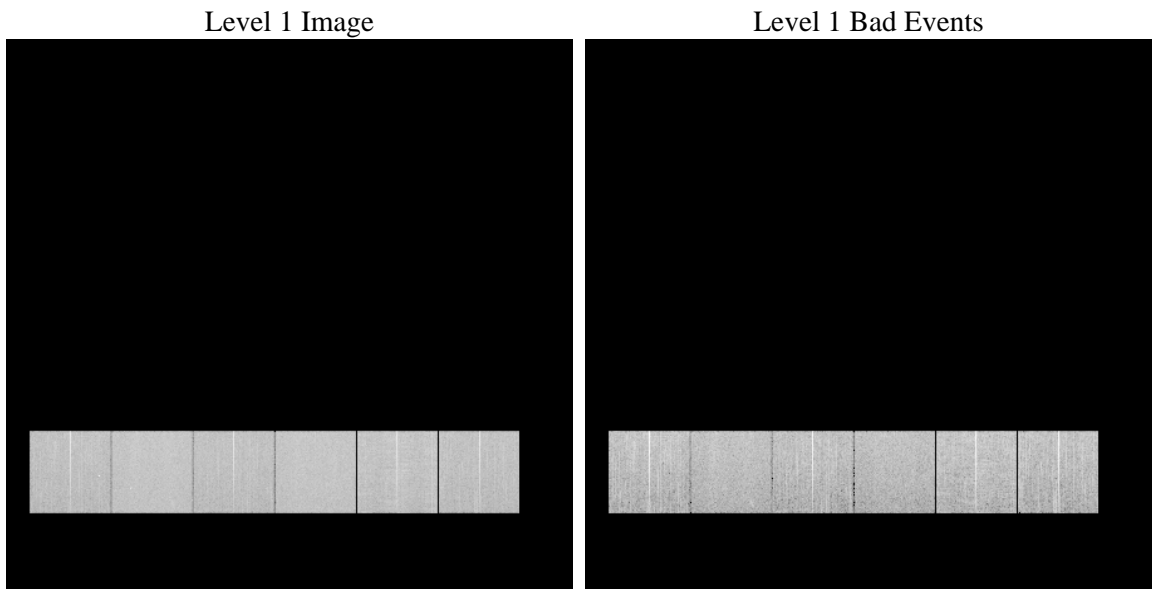
1 Front

seq_num	 	Sequence number
obs_id	57646	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	327.03101509735	Nominal RA [deg]
dec_nom	-37.485253807567	Nominal Dec [deg]
roll_nom	358.11242867634	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8275.0682701468	Sum of GTIs [s]
livetime	8170.2843730623	Livetime [s]
ontime4	8274.9451501369	Sum of GTIs [s]
ontime5	8275.0272301435	Sum of GTIs [s]
ontime6	8274.9861901402	Sum of GTIs [s]
ontime7	8275.0682701468	Sum of GTIs [s]
ontime8	8274.9041101336	Sum of GTIs [s]
ontime9	8275.1093101501	Sum of GTIs [s]
l2events	598921	Number of level 2 events

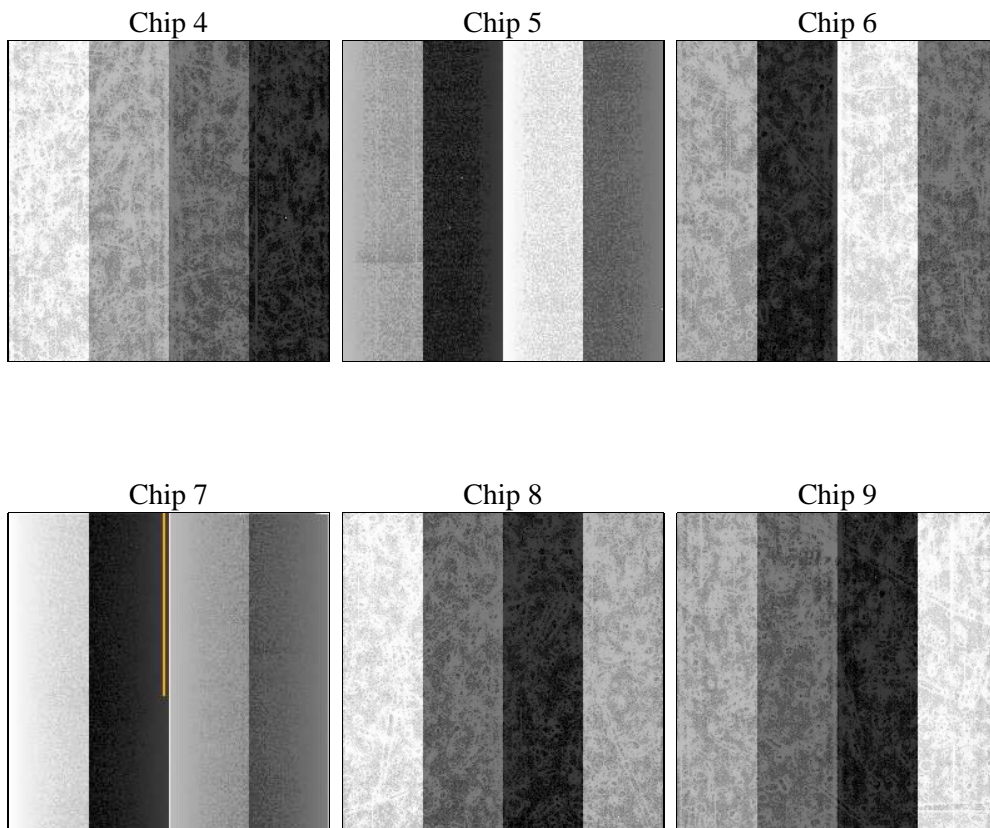
2 OBI

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	8275.0682701468	Sum of GTIs [s]
caldsver	4.4.9	 	ontime4	8274.9451501369	Sum of GTIs [s]
date	2012-05-20T10:09:13	Date and time of file creation	ontime5	8275.0272301435	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8274.9861901402	Sum of GTIs [s]
			ontime7	8275.0682701468	Sum of GTIs [s]
			ontime8	8274.9041101336	Sum of GTIs [s]
			ontime9	8275.1093101501	Sum of GTIs [s]
			l1events	1094728	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	170244	195670	170192	195641	191573	171408	grade 0 events	51498	19223	51267	25495	55614	50395
rejected events	79367	70795	73159	66789	81516	77439		30%	9%	30%	13%	29%	29%
rejected %	46%	36%	42%	34%	42%	45%	grade 1 events	509	200	351	170	394	381
								0%	0%	0%	0%	0%	0%
							grade 2 events	14744	44617	17307	27955	20076	16575
								8%	22%	10%	14%	10%	9%
							grade 3 events	6429	6226	6299	11947	7864	6194
								3%	3%	3%	6%	4%	3%
							grade 4 events	6244	6160	6177	12060	7714	6231
								3%	3%	3%	6%	4%	3%
							grade 5 events	4203	9620	4415	11118	5585	4845
								2%	4%	2%	5%	2%	2%
							grade 6 events	12000	48701	16029	51444	18824	14604
								7%	24%	9%	26%	9%	8%
							grade 7 events	74617	60923	68347	55452	75502	72183
								43%	31%	40%	28%	39%	42%

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	327.0310150973496	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-37.48525380756725	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	358.1124286763384			
[mm] SIM focus pos	-1.429586	-0.6828225247311905			
[mm] SIM defocus	0.1037507710433287	0.8505141146731063			
[mm] SIM translation stage pos	250.455976	250.4635187648994			
[mm] SIM translation stage offset	0	-0.007540371344731511			
[s] Observation start time (MET)	335424559.194502	335424558.1695			
Observation start date	2008-08-18T05:29:19	2008-08-18T05:29:18			
[s] Observation end time (MET)	335437568.49514	335437567.47014			
Observation end date	2008-08-18T09:06:08	2008-08-18T09:06:07			
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)	2012.05.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2750682701468

A.2 Comments