

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 61748 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Sep 16 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

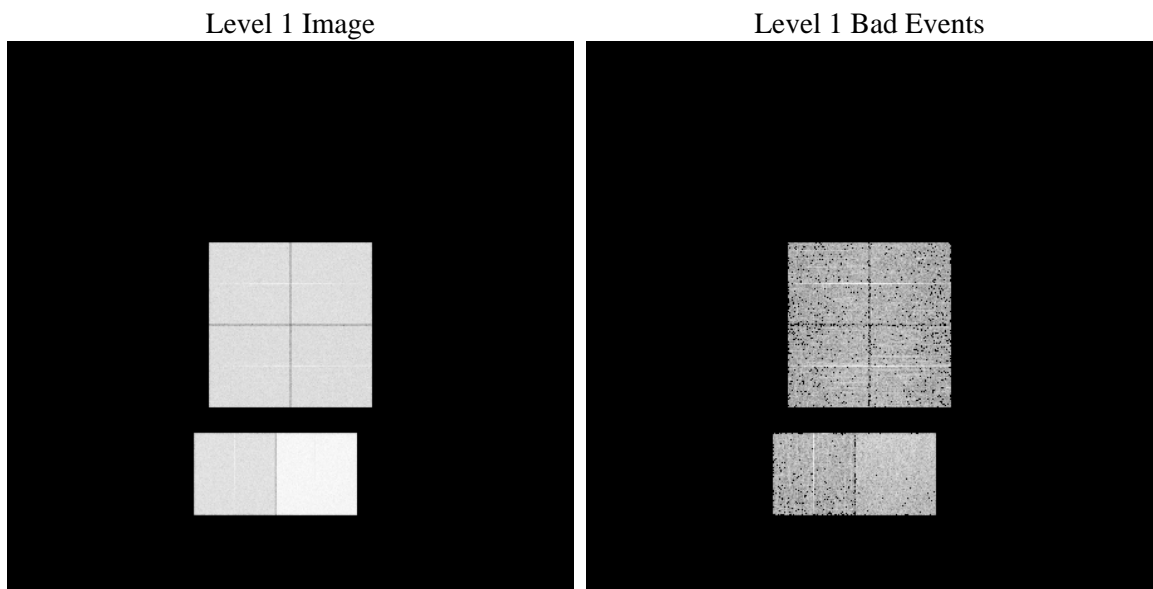
1 Front

seq_num	 	Sequence number
obs_id	61748	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	0.034568017408404	Nominal RA [deg]
dec_nom	34.995033185276	Nominal Dec [deg]
roll_nom	317.46546637874	Nominal Roll [deg]
revision	4	Processing version of data
ontime	5911.6011498868	Sum of GTIs [s]
livetime	5836.7448965881	Livetime [s]
ontime0	2498.8391620517	Sum of GTIs [s]
ontime1	2543.4310705066	Sum of GTIs [s]
ontime2	2391.8854303211	Sum of GTIs [s]
ontime3	2359.474960655	Sum of GTIs [s]
ontime6	2647.9269516915	Sum of GTIs [s]
ontime7	5911.6011498868	Sum of GTIs [s]
l2events	1242271	Number of level 2 events

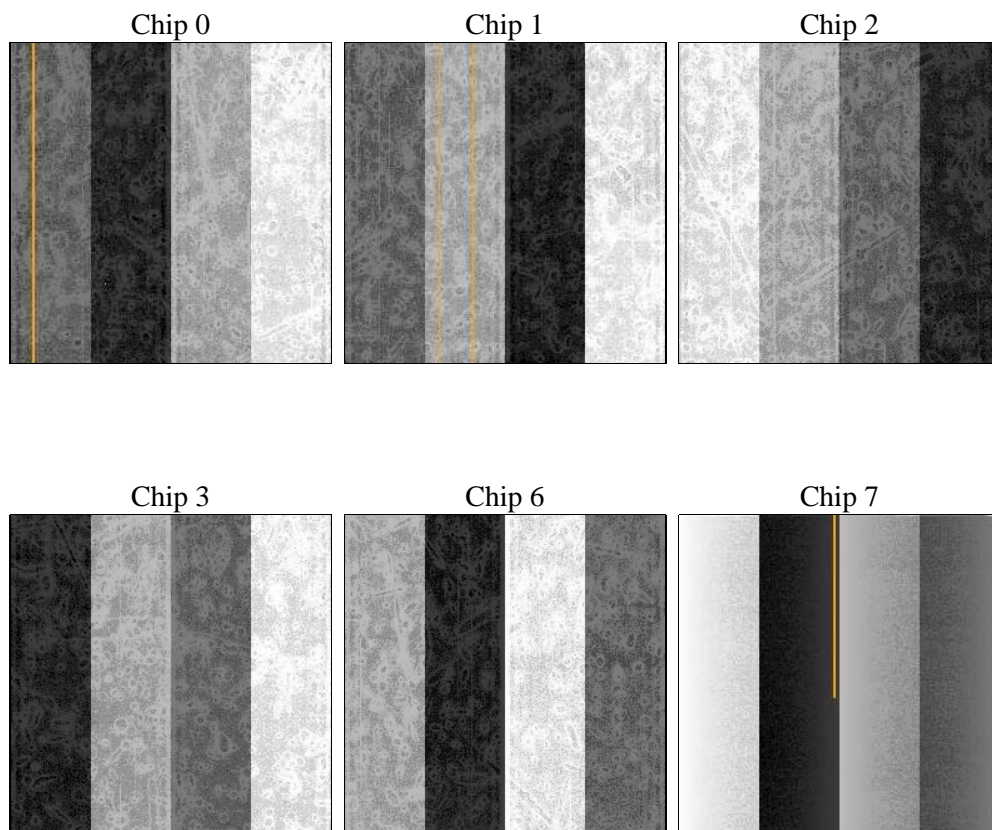
2 OBI

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	8.4.5	Processing system revision	ontime	5911.6011498868	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime0	2498.8391620517	Sum of GTIs [s]
date	2012-09-16T07:44:32	Date and time of file creation	ontime1	2543.4310705066	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	2391.8854303211	Sum of GTIs [s]
			ontime3	2359.474960655	Sum of GTIs [s]
			ontime6	2647.9269516915	Sum of GTIs [s]
			ontime7	5911.6011498868	Sum of GTIs [s]
			l1events	1422318	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	191063	193753	186949	184029	212950	453574	grade 0 events	94870	97403	93044	92237	105404	108380
rejected events	18681	17659	19247	19922	20140	31228		49%	50%	49%	50%	49%	23%
rejected %	9%	9%	10%	10%	9%	6%	grade 1 events	510	524	452	490	512	291
								0%	0%	0%	0%	0%	0%
							grade 2 events	30574	30923	29269	28417	33331	93630
								16%	15%	15%	15%	15%	20%
							grade 3 events	10810	11166	10709	10163	11920	43153
								5%	5%	5%	5%	5%	9%
							grade 4 events	10948	11115	10622	10475	11869	42850
								5%	5%	5%	5%	5%	9%
							grade 5 events	1375	1471	1368	1397	1601	6770
								0%	0%	0%	0%	0%	1%
							grade 6 events	25312	25487	24058	22815	30286	134439
								13%	13%	12%	12%	14%	29%
							grade 7 events	16664	15664	17427	18035	18027	24061
								8%	8%	9%	9%	8%	5%

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	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
[deg] Pointing RA	0	0.03456801740840376	Alternating exposures requested	N	N
[deg] Pointing Dec	0	34.99503318527555	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	317.4654663787383			
[mm] SIM focus pos	-0.782348	-0.6828225247311905			
[mm] SIM defocus	0	0.8505141146731063			
[mm] SIM translation stage pos	-233.592463	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	97998680.284233	97998679.515764			
Observation start date	2001-02-08T05:51:20	2001-02-08T05:51:19			
[s] Observation end time (MET)	98010383.73468401	98010382.966215			
Observation end date	2001-02-08T09:06:24	2001-02-08T09:06:22			
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)	2012.09.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.9116011498868

A.2 Comments