

V&V Reference Report

L2 ASCDS Version : 8.5

Observation 60011 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 9 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

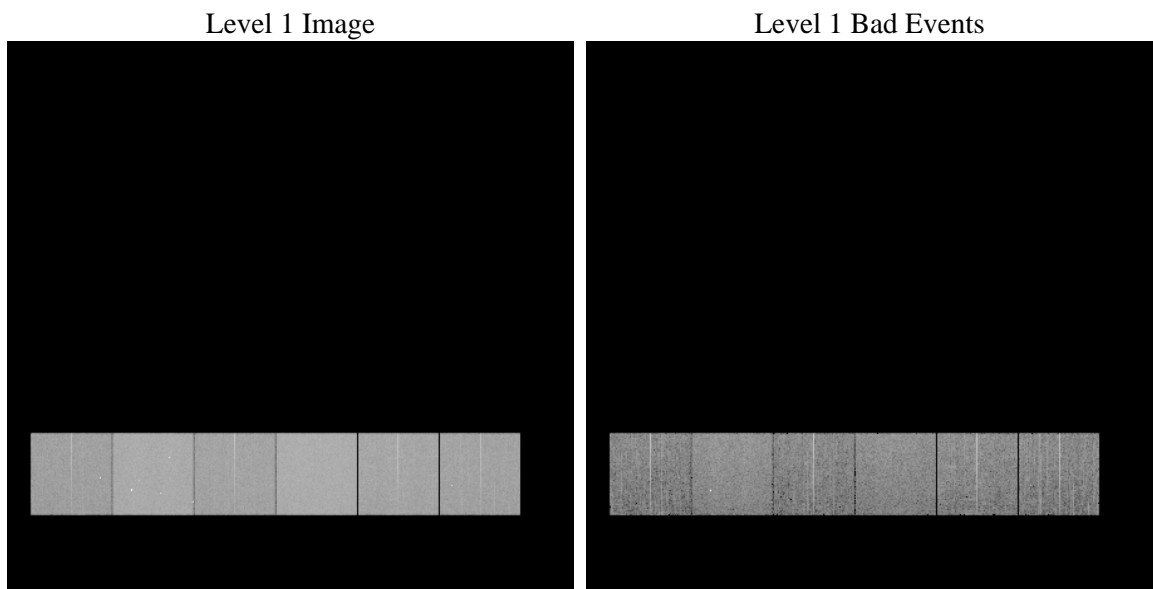
1 Front

seq_num	 	Sequence number
obs_id	60011	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	355.05287359655	Nominal RA [deg]
dec_nom	-57.994272206416	Nominal Dec [deg]
roll_nom	338.70741606441	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8182.3999695182	Sum of GTIs [s]
livetime	8078.7894942544	Livetime [s]
ontime4	5515.6285709143	Sum of GTIs [s]
ontime5	8182.3999695182	Sum of GTIs [s]
ontime6	6111.9264301956	Sum of GTIs [s]
ontime7	8182.3999695182	Sum of GTIs [s]
ontime8	6328.567145139	Sum of GTIs [s]
ontime9	5916.963531971	Sum of GTIs [s]
l2events	1098411	Number of level 2 events

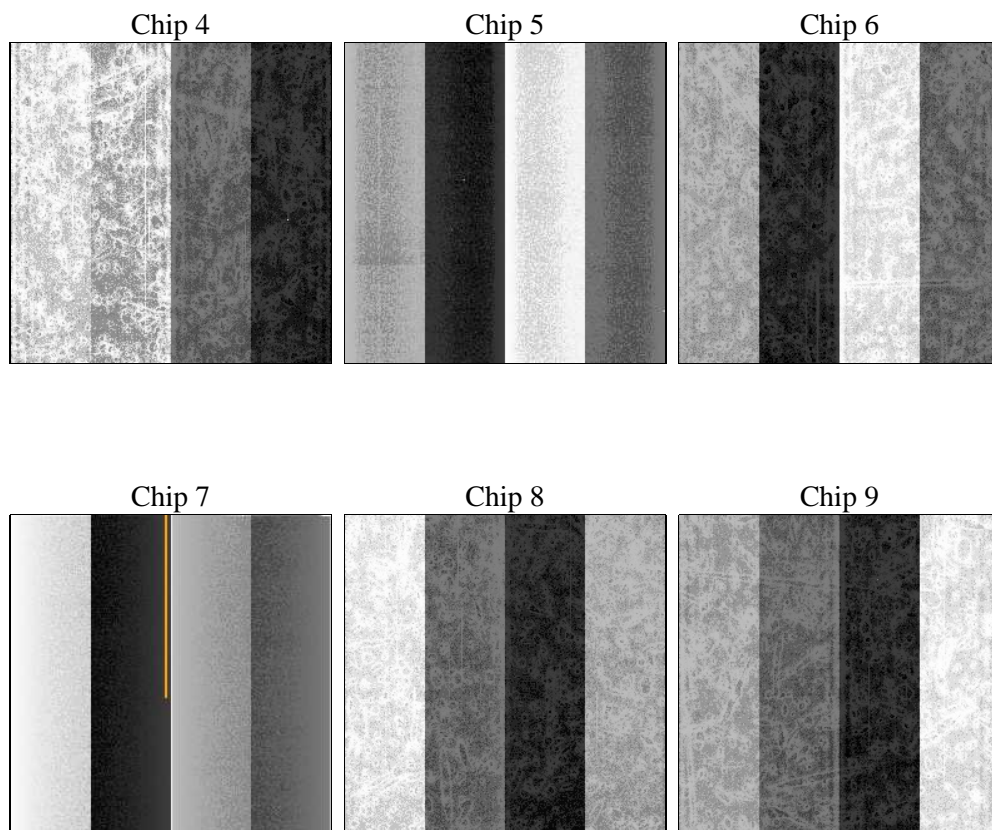
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.5	Processing system revision	ontime	8182.3999695182	Sum of GTIs [s]
caldsver	4.5.4	 	ontime4	5515.6285709143	Sum of GTIs [s]
date	2012-12-10T00:02:22	Date and time of file creation	ontime5	8182.3999695182	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	6111.9264301956	Sum of GTIs [s]
			ontime7	8182.3999695182	Sum of GTIs [s]
			ontime8	6328.567145139	Sum of GTIs [s]
			ontime9	5916.963531971	Sum of GTIs [s]
			l1events	1497508	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	200383	293994	228507	309426	247072	218126	grade 0 events	88236	48487	97751	60408	102982	92095
rejected events	49999	65262	50461	56832	57614	51869		44%	16%	42%	19%	41%	42%
rejected %	24%	22%	22%	18%	23%	23%	grade 1 events	763	262	487	187	598	563
								0%	0%	0%	0%	0%	0%
							grade 2 events	23966	84961	31061	55818	33843	28646
								11%	28%	13%	18%	13%	13%
							grade 3 events	10221	13434	11421	25575	12548	10890
								5%	4%	4%	8%	5%	4%
							grade 4 events	10131	13124	11152	25199	12751	10966
								5%	4%	4%	8%	5%	5%
							grade 5 events	2745	9930	3153	9603	3883	3322
								1%	3%	1%	3%	1%	1%
							grade 6 events	19646	71443	28765	88572	29391	25399
								9%	24%	12%	28%	11%	11%
							grade 7 events	44675	52353	44717	44064	51076	46245
								22%	17%	19%	14%	20%	21%

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	355.0528735965511	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-57.9942722064157	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	338.7074160644106			
[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)	213655161.010616	213655159.98563			
Observation start date	2004-10-08T20:39:21	2004-10-08T20:39:19			
[s] Observation end time (MET)	213666880.861139	213666879.83615			
Observation end date	2004-10-08T23:54:41	2004-10-08T23:54:39			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2013.01.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1823999695182

A.2 Comments