

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 58663 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Apr 14 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

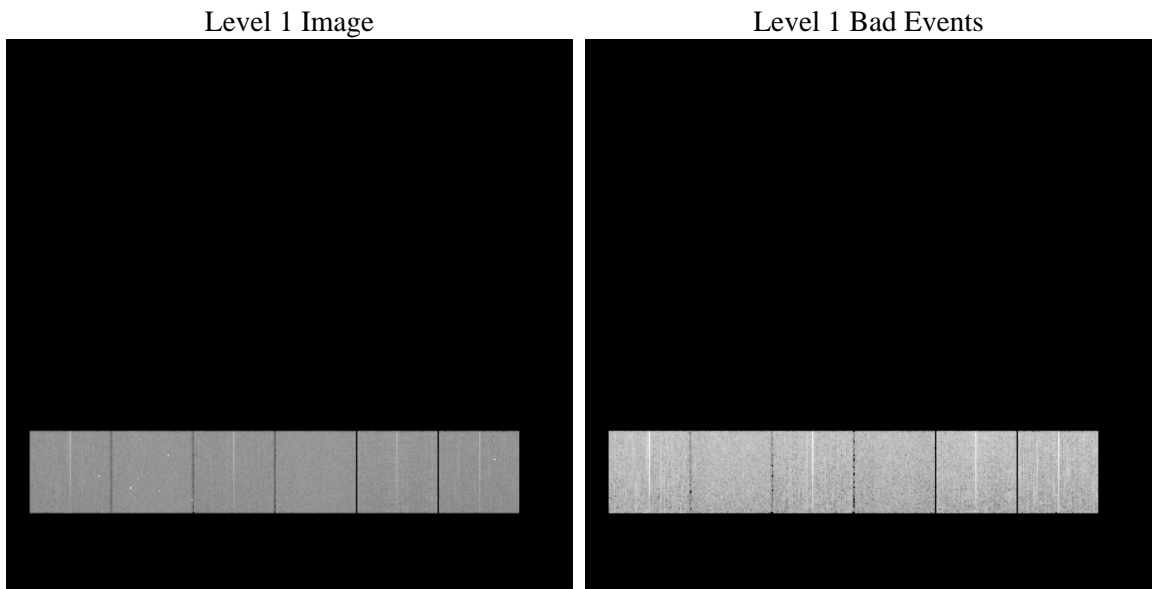
1 Front

seq_num	 	Sequence number
obs_id	58663	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtycle	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	98.986160523511	Nominal RA [deg]
dec_nom	21.025993673934	Nominal Dec [deg]
roll_nom	82.417999875464	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7222.3999731541	Sum of GTIs [s]
livetime	7130.9455958868	Livetime [s]
ontime4	7222.3999731541	Sum of GTIs [s]
ontime5	7222.3999731541	Sum of GTIs [s]
ontime6	7222.3999731541	Sum of GTIs [s]
ontime7	7222.3999731541	Sum of GTIs [s]
ontime8	7222.3999731541	Sum of GTIs [s]
ontime9	7219.158982873	Sum of GTIs [s]
l2events	737910	Number of level 2 events

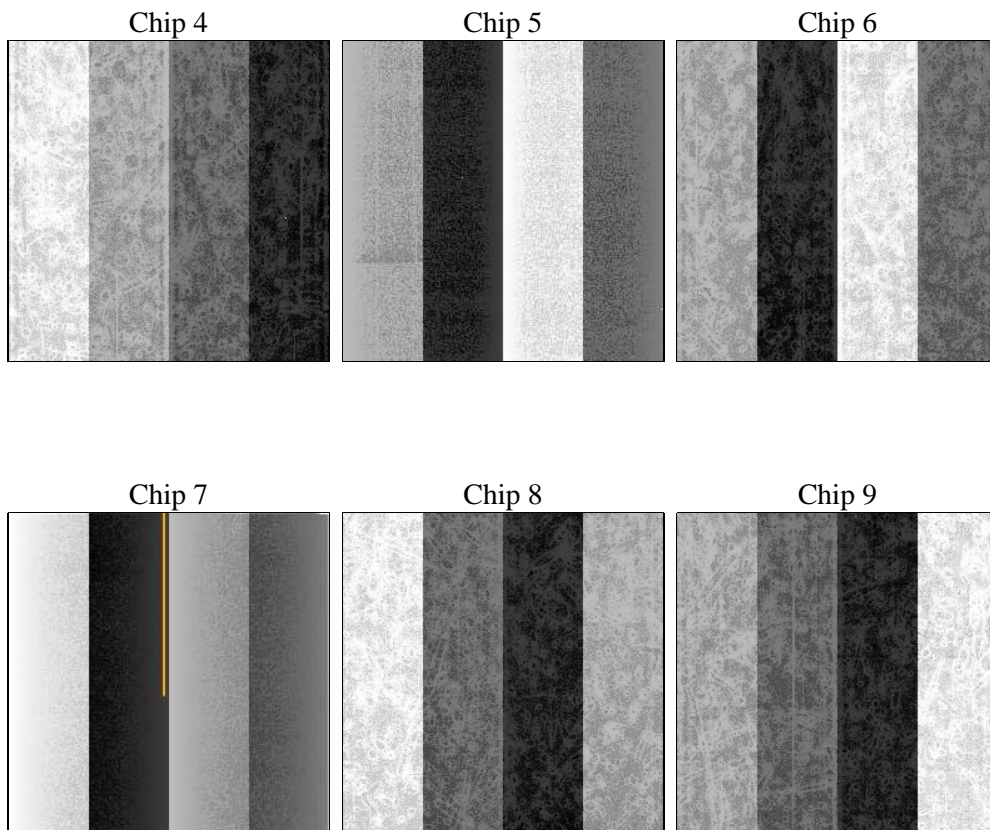
2 OBI

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	8.4.3.1	Processing system revision	ontime	7222.3999731541	Sum of GTIs [s]
caldbver	4.4.9	 	ontime4	7222.3999731541	Sum of GTIs [s]
date	2012-04-14T17:45:06	Date and time of file creation	ontime5	7222.3999731541	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	7222.3999731541	Sum of GTIs [s]
			ontime7	7222.3999731541	Sum of GTIs [s]
			ontime8	7222.3999731541	Sum of GTIs [s]
			ontime9	7219.158982873	Sum of GTIs [s]
			l1events	1182376	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	189653	203284	190213	204284	204733	190209	grade 0 events	69081	29041	66966	33331	71091	67566
rejected events	70278	59216	64762	53770	69067	67089		36%	14%	35%	16%	34%	35%
rejected %	37%	29%	34%	26%	33%	35%	grade 1 events	638	229	440	155	438	482
								0%	0%	0%	0%	0%	0%
							grade 2 events	18934	51145	22044	32792	24411	20834
								9%	25%	11%	16%	11%	10%
							grade 3 events	8157	7577	8014	14902	9472	8114
								4%	3%	4%	7%	4%	4%
							grade 4 events	7926	7551	8077	14570	9286	8050
								4%	3%	4%	7%	4%	4%
							grade 5 events	3598	8593	3805	9166	4706	4129
								1%	4%	2%	4%	2%	2%
							grade 6 events	15277	48754	20350	54919	21406	18556
								8%	23%	10%	26%	10%	9%
							grade 7 events	66042	50394	60517	44449	63923	62478
								34%	24%	31%	21%	31%	32%

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	98.98616052351095	Alternating exposures requested	N	N
[deg] Pointing Dec	0	21.02599367393413	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	82.41799987546355			
[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)	281456755.4849	281456754.4599			
Observation start date	2006-12-02T14:25:55	2006-12-02T14:25:54			
[s] Observation end time (MET)	281467394.985403	281467393.9604			
Observation end date	2006-12-02T17:23:15	2006-12-02T17:23:13			
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)	2012.04.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.2223999731541

A.2 Comments