

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 58645 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Apr 15 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

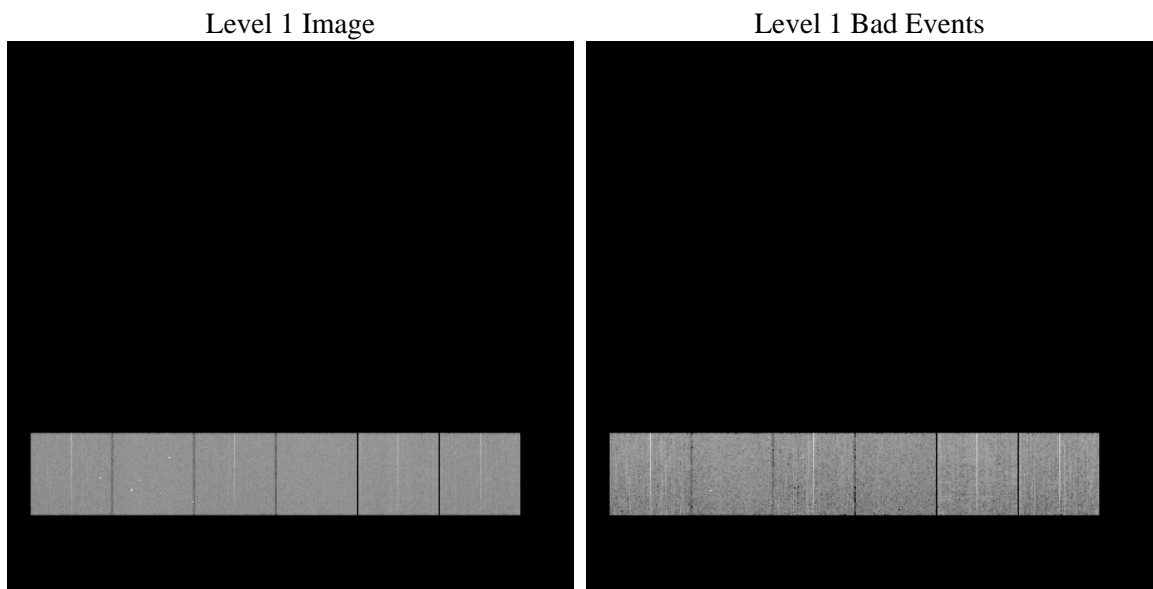
1 Front

seq_num	 	Sequence number
obs_id	58645	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	113.29116208331	Nominal RA [deg]
dec_nom	18.027452099736	Nominal Dec [deg]
roll_nom	74.17711464583	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8262.3999692798	Sum of GTIs [s]
livetime	8157.7764858488	Livetime [s]
ontime4	8262.3999692798	Sum of GTIs [s]
ontime5	8262.3999692798	Sum of GTIs [s]
ontime6	8262.3999692798	Sum of GTIs [s]
ontime7	8262.3999692798	Sum of GTIs [s]
ontime8	8262.3999692798	Sum of GTIs [s]
ontime9	8262.3999692798	Sum of GTIs [s]
l2events	813378	Number of level 2 events

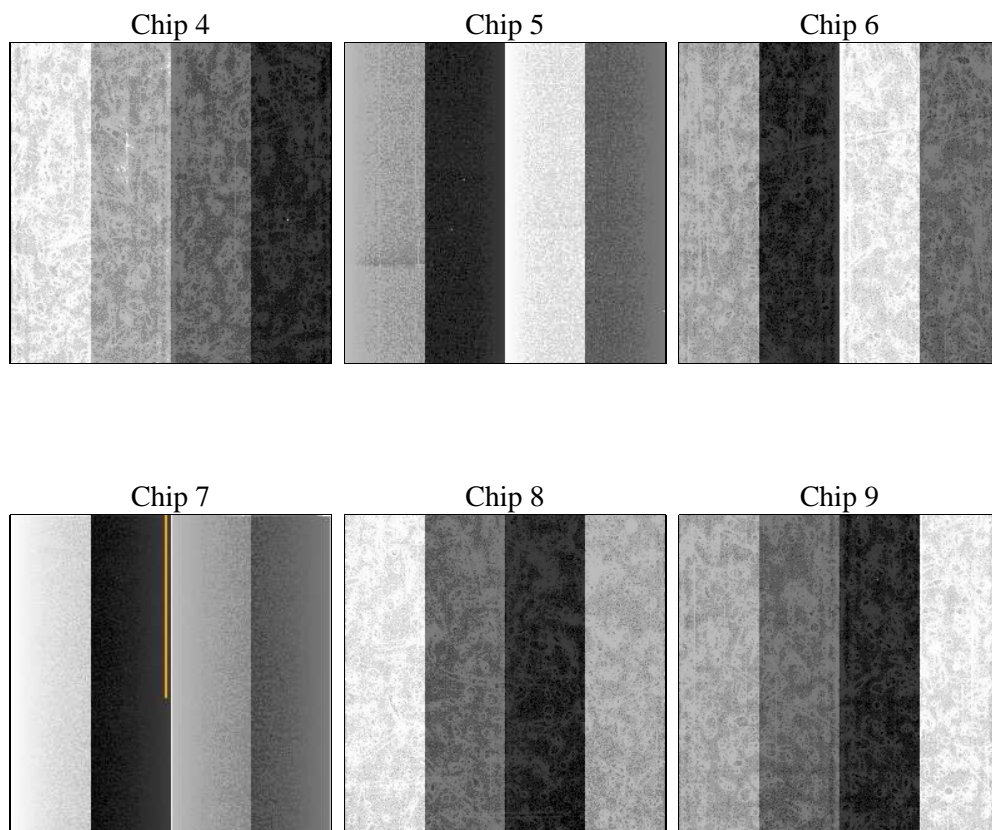
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	3	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	8262.3999692798	Sum of GTIs [s]
caldsver	4.4.9	 	ontime4	8262.3999692798	Sum of GTIs [s]
date	2012-04-15T16:24:35	Date and time of file creation	ontime5	8262.3999692798	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8262.3999692798	Sum of GTIs [s]
			ontime7	8262.3999692798	Sum of GTIs [s]
			ontime8	8262.3999692798	Sum of GTIs [s]
			ontime9	8262.3999692798	Sum of GTIs [s]
			l1events	1239226	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	197594	210908	201064	212596	217322	199742	grade 0 events	77782	29489	76078	36150	79507	74549
rejected events	63975	58569	60042	51257	66837	63224		39%	13%	37%	17%	36%	37%
rejected %	32%	27%	29%	24%	30%	31%	grade 1 events	611	216	421	143	467	463
								0%	0%	0%	0%	0%	0%
							grade 2 events	21014	55860	24622	35094	26964	23686
								10%	26%	12%	16%	12%	11%
							grade 3 events	8977	7978	8996	15827	10247	9005
								4%	3%	4%	7%	4%	4%
							grade 4 events	8836	7882	8766	15743	10043	8902
								4%	3%	4%	7%	4%	4%
							grade 5 events	3534	8430	3676	8743	4656	4055
								1%	3%	1%	4%	2%	2%
							grade 6 events	17067	51193	22622	58594	23790	20433
								8%	24%	11%	27%	10%	10%
							grade 7 events	59773	49860	55883	42302	61648	58649
								30%	23%	27%	19%	28%	29%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	113.2911620833119
[deg] Pointing Dec	0	18.0274520997363
[deg] Pointing Roll	0.0	74.17711464583033
[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)	282637838.440741	282637837.41574
Observation start date	2006-12-16T06:30:38	2006-12-16T06:30:37
[s] Observation end time (MET)	282661960.791882	282661959.76688
Observation end date	2006-12-16T13:12:41	2006-12-16T13:12:39
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.04.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2623999692798

A.2 Comments