

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 58774 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Apr 10 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

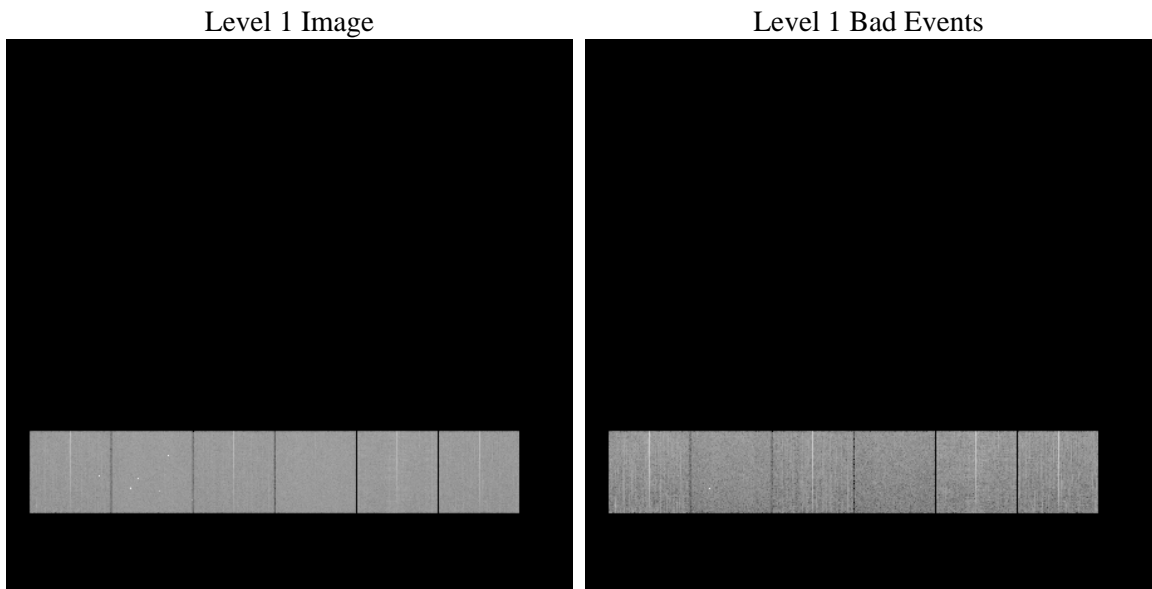
1 Front

seq_num	 	Sequence number
obs_id	58774	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	331.01671392894	Nominal RA [deg]
dec_nom	-0.025549762413598	Nominal Dec [deg]
roll_nom	269.62589529984	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8275.1999692321	Sum of GTIs [s]
livetime	8170.4144044945	Livetime [s]
ontime4	8275.1999692321	Sum of GTIs [s]
ontime5	8275.1999692321	Sum of GTIs [s]
ontime6	8275.1999692321	Sum of GTIs [s]
ontime7	8275.1999692321	Sum of GTIs [s]
ontime8	8275.1999692321	Sum of GTIs [s]
ontime9	8275.1999692321	Sum of GTIs [s]
l2events	874364	Number of level 2 events

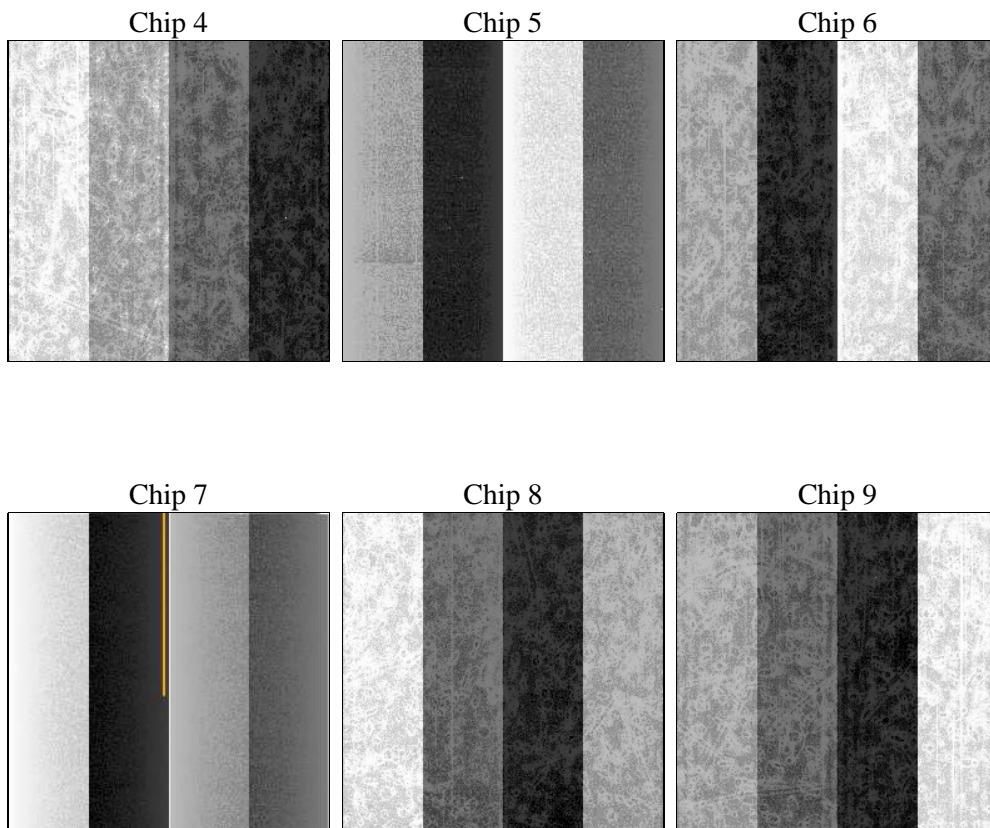
2 OBI

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	8275.1999692321	Sum of GTIs [s]
caldsver	4.4.9	 	ontime4	8275.1999692321	Sum of GTIs [s]
date	2012-04-10T09:13:28	Date and time of file creation	ontime5	8275.1999692321	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8275.1999692321	Sum of GTIs [s]
			ontime7	8275.1999692321	Sum of GTIs [s]
			ontime8	8275.1999692321	Sum of GTIs [s]
			ontime9	8275.1999692321	Sum of GTIs [s]
			l1events	1385053	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	223862	236742	224383	238207	241311	220548	grade 0 events	82313	32661	80070	38962	83783	78567
rejected events	82121	68559	74589	61424	80858	76116		36%	13%	35%	16%	34%	35%
rejected %	36%	28%	33%	25%	33%	34%	grade 1 events	748	221	484	178	571	588
								0%	0%	0%	0%	0%	0%
							grade 2 events	22269	60228	26473	38258	28931	25054
								9%	25%	11%	16%	11%	11%
							grade 3 events	9532	8984	9519	17434	11188	9275
								4%	3%	4%	7%	4%	4%
							grade 4 events	9539	8747	9627	17179	10742	9505
								4%	3%	4%	7%	4%	4%
							grade 5 events	4154	10339	4334	10608	5399	4790
								1%	4%	1%	4%	2%	2%
							grade 6 events	18088	57563	24105	64950	25809	22031
								8%	24%	10%	27%	10%	9%
							grade 7 events	77219	57999	69771	50638	74888	70738
								34%	24%	31%	21%	31%	32%

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	331.0167139289355
[deg] Pointing Dec	0	-0.02554976241359766
[deg] Pointing Roll	0.0	269.6258952998359
[mm] SIM focus pos	-0.684267	-1.526339935833849
[mm] SIM defocus	0	0.006996703570447904
[mm] SIM translation stage pos	-190.132523	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	275330301.495885	275330300.47089
Observation start date	2006-09-22T16:38:21	2006-09-22T16:38:20
[s] Observation end time (MET)	275353206.146962	275353205.12197
Observation end date	2006-09-22T23:00:06	2006-09-22T23:00:05
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.04.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2751999692321

A.2 Comments