

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 58401 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Apr 24 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

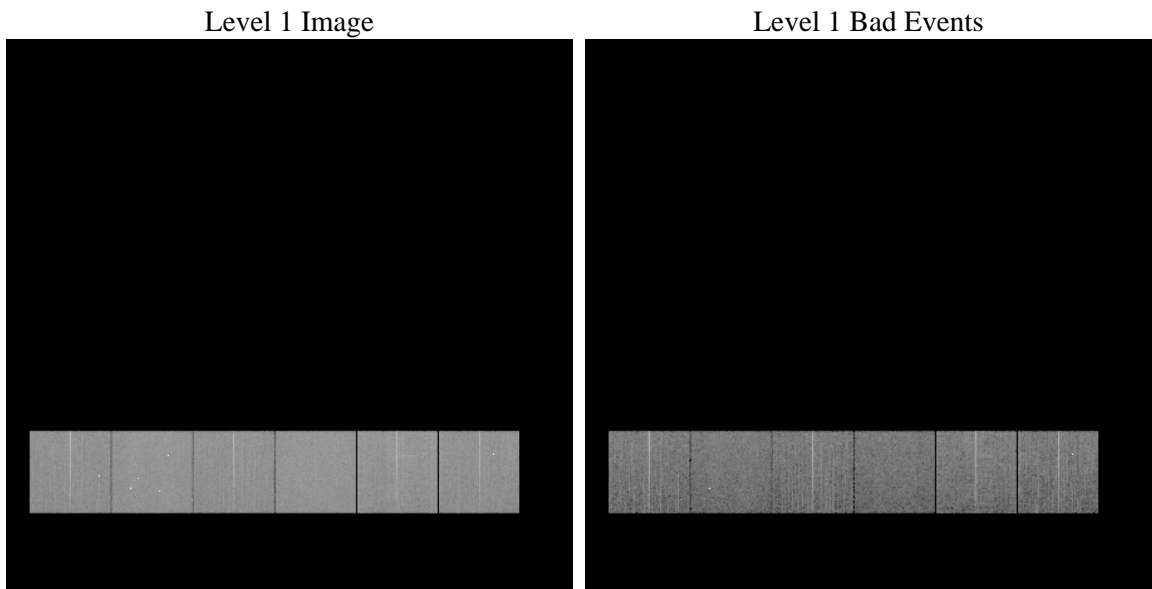
1 Front

seq_num	 	Sequence number
obs_id	58401	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	255.00091300274	Nominal RA [deg]
dec_nom	-39.97131269484	Nominal Dec [deg]
roll_nom	55.67276118697	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7638.3999716043	Sum of GTIs [s]
livetime	7541.6779518716	Livetime [s]
ontime4	7638.3999716043	Sum of GTIs [s]
ontime5	7638.3999716043	Sum of GTIs [s]
ontime6	7638.3999716043	Sum of GTIs [s]
ontime7	7638.3999716043	Sum of GTIs [s]
ontime8	7638.3999716043	Sum of GTIs [s]
ontime9	7638.3999716043	Sum of GTIs [s]
l2events	711718	Number of level 2 events

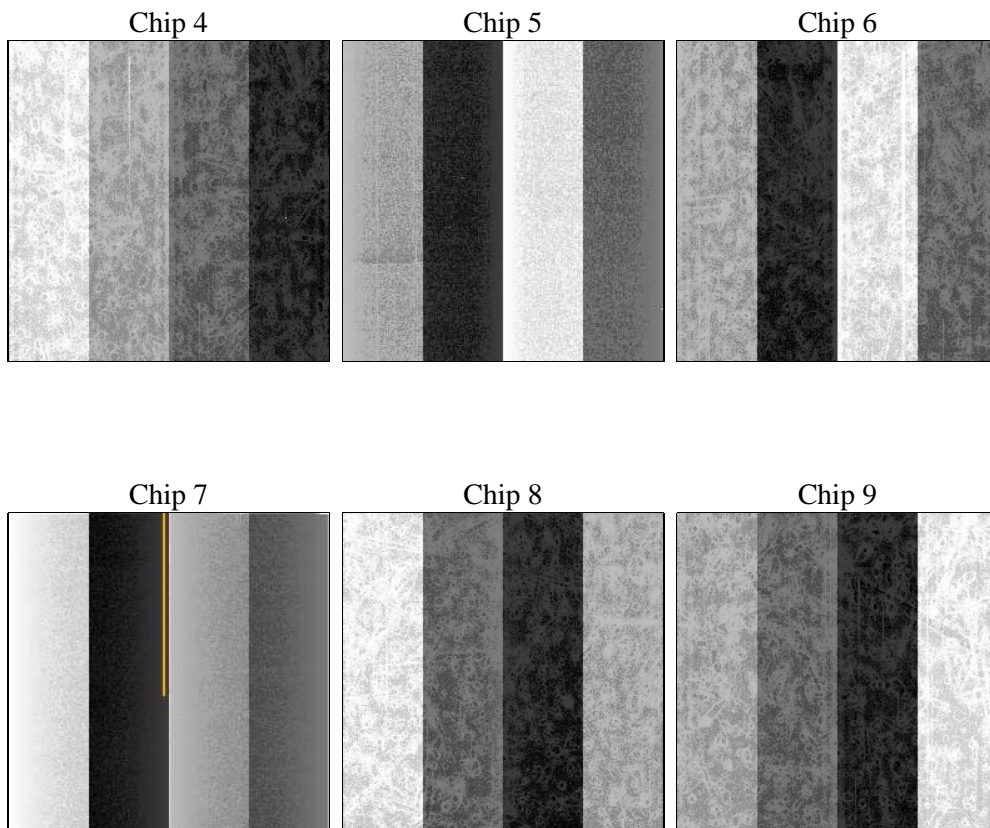
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	6420	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	7638.3999716043	Sum of GTIs [s]
caldsver	4.4.9	 	ontime4	7638.3999716043	Sum of GTIs [s]
date	2012-04-24T12:24:12	Date and time of file creation	ontime5	7638.3999716043	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	7638.3999716043	Sum of GTIs [s]
			ontime7	7638.3999716043	Sum of GTIs [s]
			ontime8	7638.3999716043	Sum of GTIs [s]
			ontime9	7638.3999716043	Sum of GTIs [s]
			l1events	1211477	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	190561	212050	194498	210766	210834	192768	grade 0 events	66571	28352	65584	32228	69111	64297
rejected events	77984	69713	74913	63098	80602	77038		34%	13%	33%	15%	32%	33%
rejected %	40%	32%	38%	29%	38%	39%	grade 1 events	636	844	439	176	482	2739
								0%	0%	0%	0%	0%	1%
							grade 2 events	18061	50426	21358	32901	24236	20385
								9%	23%	10%	15%	11%	10%
							grade 3 events	7919	7828	7591	14613	9062	7729
								4%	3%	3%	6%	4%	4%
							grade 4 events	7657	7637	7784	14648	9116	7816
								4%	3%	4%	6%	4%	4%
							grade 5 events	3916	9796	4127	10200	5383	4601
								2%	4%	2%	4%	2%	2%
							grade 6 events	14617	51001	19715	56329	21311	17873
								7%	24%	10%	26%	10%	9%
							grade 7 events	71184	56166	67900	49671	72133	67328
								37%	26%	34%	23%	34%	34%

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	255.000890918878	255.0009130027383
[deg] Pointing Dec	-39.97143576080116	-39.97131269483992
[deg] Pointing Roll	55.67274699469928	55.67276118696983
[mm] SIM focus pos	-0.68282252473119	-0.68282252473119
[mm] SIM defocus	0.8505140384245534	0.8505140384245534
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	295165438.236141	295165438.236141
Observation start date	2007-05-10T06:55:00	2007-05-10T06:23:58
[s] Observation end time (MET)	295174955.208215	295174955.208215
Observation end date	2007-05-10T08:42:00	2007-05-10T09:02:35
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
Number of optional ACIS chips dropped	0	0
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	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.04.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.6383999716043

A.2 Comments