

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 58418 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Apr 23 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

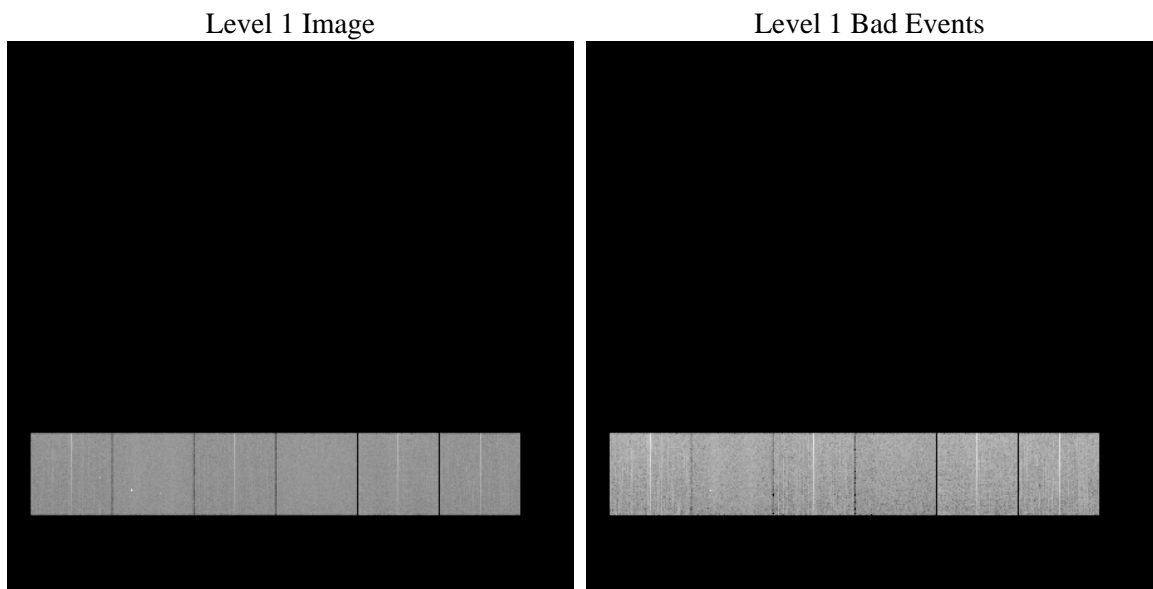
1 Front

seq_num	 	Sequence number
obs_id	58418	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	186.60834292157	Nominal RA [deg]
dec_nom	-7.0275088378593	Nominal Dec [deg]
roll_nom	253.85832814649	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8268.5397696495	Sum of GTIs [s]
livetime	8163.8385403693	Livetime [s]
ontime4	8268.4166496396	Sum of GTIs [s]
ontime5	8268.4987296462	Sum of GTIs [s]
ontime6	8268.4576896429	Sum of GTIs [s]
ontime7	8268.5397696495	Sum of GTIs [s]
ontime8	8268.3756096363	Sum of GTIs [s]
ontime9	8268.5808096528	Sum of GTIs [s]
l2events	755213	Number of level 2 events

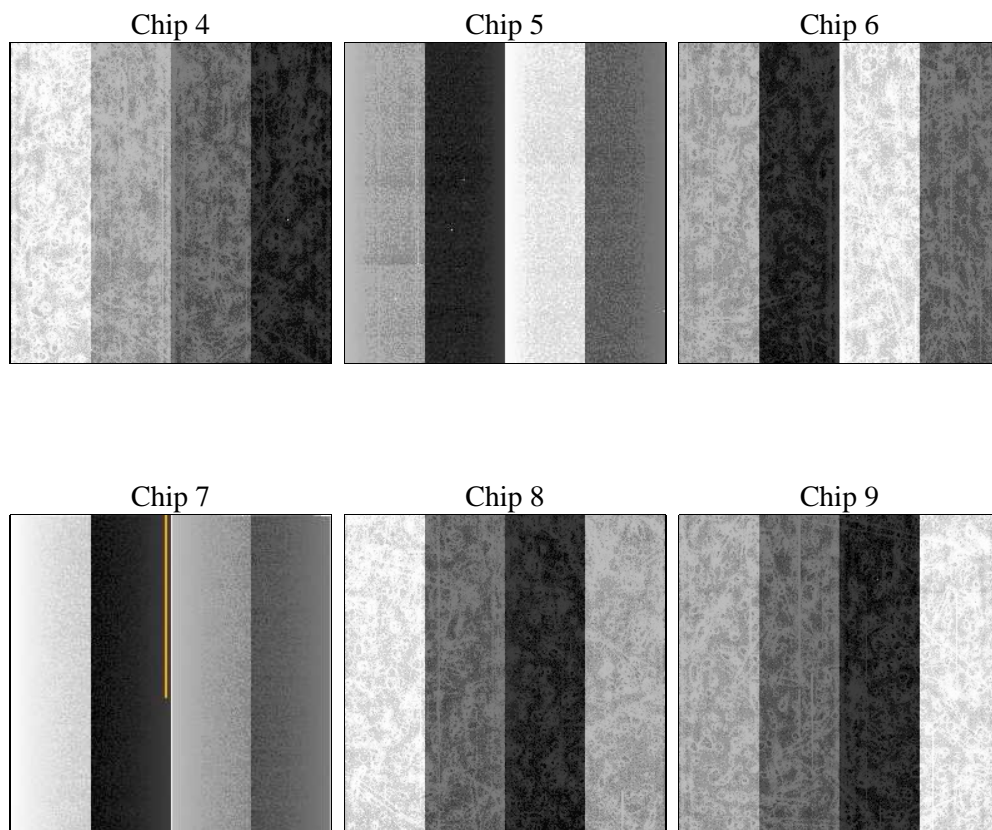
2 OBI

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	8.4.4	Processing system revision	ontime	8268.5397696495	Sum of GTIs [s]
caldsver	4.4.9	 	ontime4	8268.4166496396	Sum of GTIs [s]
date	2012-04-24T00:21:45	Date and time of file creation	ontime5	8268.4987296462	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8268.4576896429	Sum of GTIs [s]
			ontime7	8268.5397696495	Sum of GTIs [s]
			ontime8	8268.3756096363	Sum of GTIs [s]
			ontime9	8268.5808096528	Sum of GTIs [s]
			l1events	1274619	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	204215	221077	203098	220556	220731	204942	grade 0 events	69912	21006	66107	31993	73138	67370
rejected events	85729	72962	76601	64227	82263	81980		34%	9%	32%	14%	33%	32%
rejected %	41%	33%	37%	29%	37%	40%	grade 1 events	722	245	345	158	433	505
								0%	0%	0%	0%	0%	0%
							grade 2 events	17016	57931	24070	34569	24580	20481
								8%	26%	11%	15%	11%	9%
							grade 3 events	8211	6650	7540	14404	9320	8076
								4%	3%	3%	6%	4%	3%
							grade 4 events	8206	5778	7647	14366	9130	7950
								4%	2%	3%	6%	4%	3%
							grade 5 events	4016	9100	4056	9976	5176	4449
								1%	4%	1%	4%	2%	2%
							grade 6 events	15170	56807	21171	61057	22357	19128
								7%	25%	10%	27%	10%	9%
							grade 7 events	80962	63560	72162	54033	76597	76983
								39%	28%	35%	24%	34%	37%

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	186.6083429215727
[deg] Pointing Dec	0	-7.027508837859346
[deg] Pointing Roll	0.0	253.8583281464946
[mm] SIM focus pos	-0.684267	-0.7809083437167272
[mm] SIM defocus	0	0.7524282956875696
[mm] SIM translation stage pos	-190.132523	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	294062331.13352	294062330.10852
Observation start date	2007-04-27T11:58:51	2007-04-27T11:58:50
[s] Observation end time (MET)	294086182.884658	294086181.85966
Observation end date	2007-04-27T18:36:23	2007-04-27T18:36:21
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)	2012.04.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2685397696495

A.2 Comments