

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 61989 - L2 Version 5
Chandra X-Ray Center

L2 Processing Date : Aug 30 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

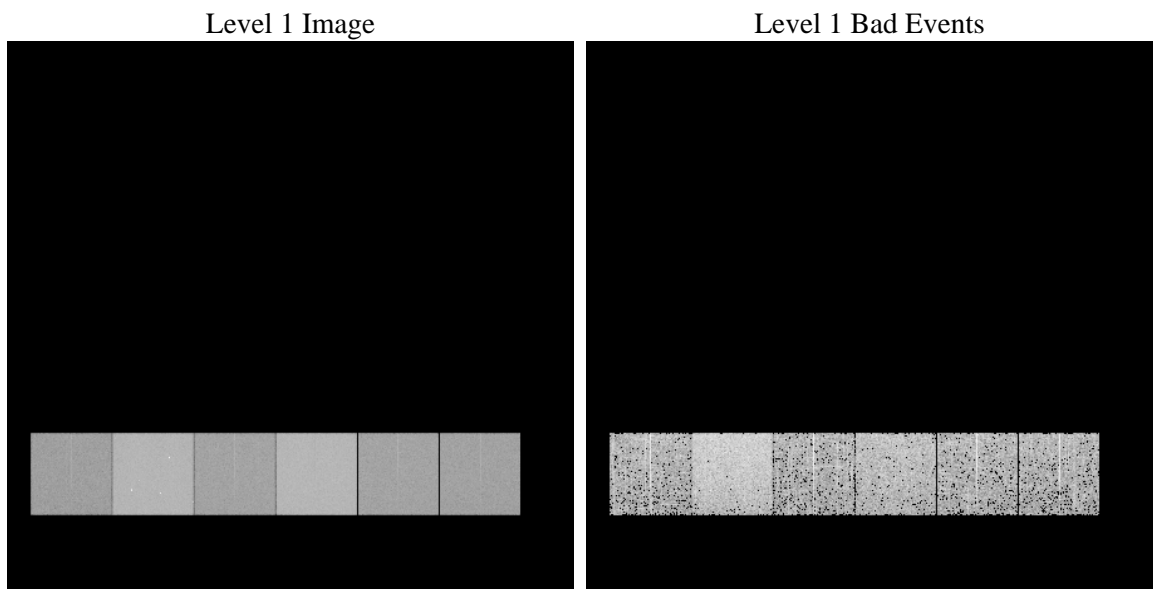
1 Front

seq_num	 	Sequence number
obs_id	61989	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	158.9911089544	Nominal RA [deg]
dec_nom	-54.376602669438	Nominal Dec [deg]
roll_nom	214.99089275818	Nominal Roll [deg]
revision	5	Processing version of data
ontime	4239.003203243	Sum of GTIs [s]
livetime	4185.3263922623	Livetime [s]
ontime4	1878.6122420281	Sum of GTIs [s]
ontime5	4539.4030572772	Sum of GTIs [s]
ontime6	2037.3818524927	Sum of GTIs [s]
ontime7	4239.003203243	Sum of GTIs [s]
ontime8	2063.39234218	Sum of GTIs [s]
ontime9	2004.8485519439	Sum of GTIs [s]
l2events	1267235	Number of level 2 events

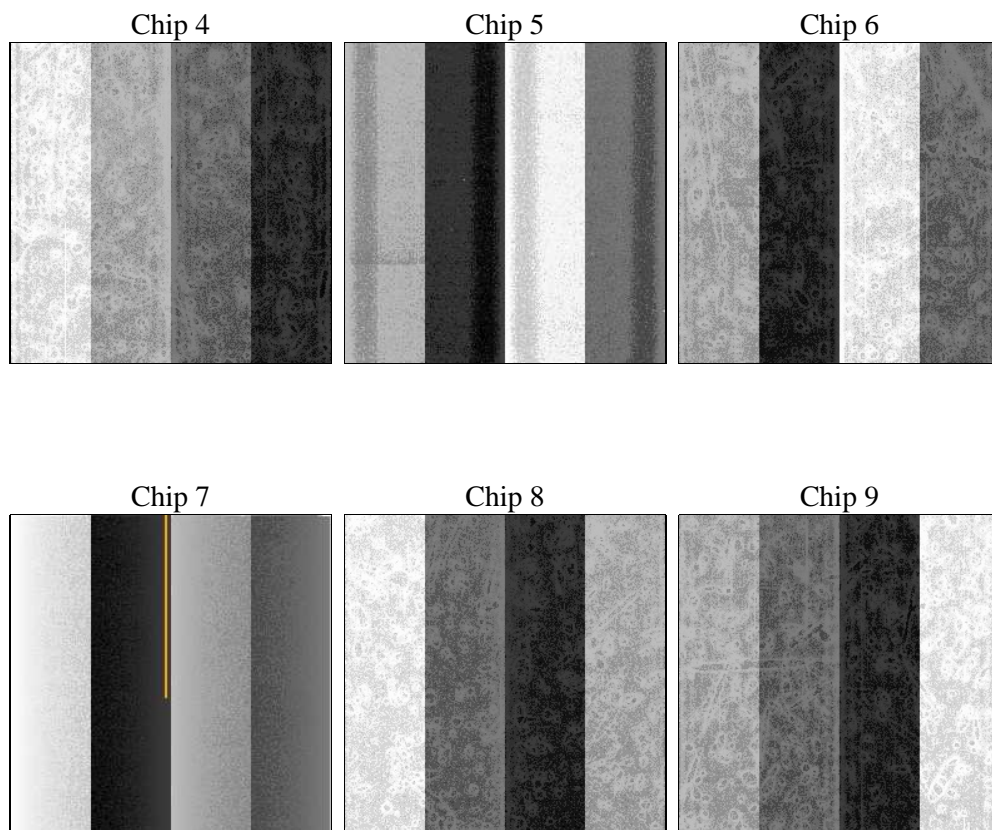
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4239.003203243	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime4	1878.6122420281	Sum of GTIs [s]
date	2012-08-30T21:35:55	Date and time of file creation	ontime5	4539.4030572772	Sum of GTIs [s]
revision	5	Processing version of data	ontime6	2037.3818524927	Sum of GTIs [s]
			ontime7	4239.003203243	Sum of GTIs [s]
			ontime8	2063.39234218	Sum of GTIs [s]
			ontime9	2004.8485519439	Sum of GTIs [s]
			l1events	1436395	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	161506	354803	187734	366645	188560	177147	grade 0 events	82568	89171	94012	90323	95391	89009
rejected events	16217	29218	15641	19440	16226	15452		51%	25%	50%	24%	50%	50%
rejected %	10%	8%	8%	5%	8%	8%	grade 1 events	444	284	428	237	458	446
								0%	0%	0%	0%	0%	0%
							grade 2 events	25648	109159	29879	77415	30514	28552
								15%	30%	15%	21%	16%	16%
							grade 3 events	8826	22721	10540	36220	10859	9923
								5%	6%	5%	9%	5%	5%
							grade 4 events	8938	22551	10614	35476	10842	9901
								5%	6%	5%	9%	5%	5%
							grade 5 events	1112	6305	1266	4481	1380	1321
								0%	1%	0%	1%	0%	0%
							grade 6 events	19309	81983	27048	108001	24728	24310
								11%	23%	14%	29%	13%	13%
							grade 7 events	14661	22629	13947	14492	14388	13685
								9%	6%	7%	3%	7%	7%

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	158.9911089544048
[deg] Pointing Dec	0	-54.37660266943768
[deg] Pointing Roll	0.0	214.9908927581811
[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)	80635888.926	80635888.15769599
Observation start date	2000-07-22T06:51:29	2000-07-22T06:51:28
[s] Observation end time (MET)	80679637.978	80679637.209327
Observation end date	2000-07-22T19:00:38	2000-07-22T19:00:37
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	0.000000	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)	2012.09.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.239003203243

A.2 Comments