

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 58000 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : May 8 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

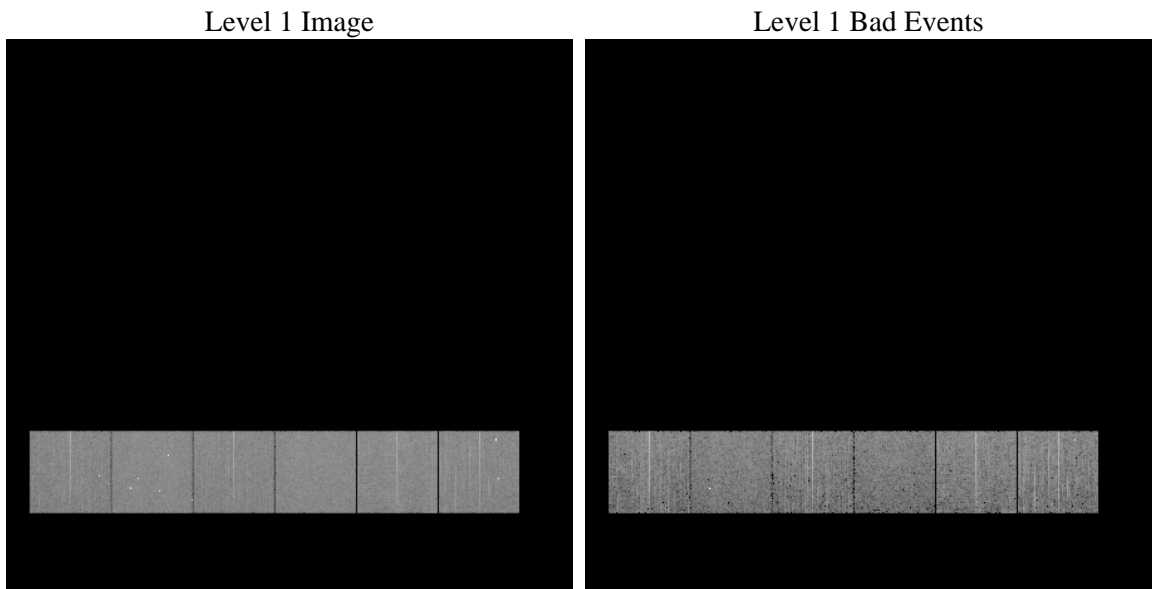
1 Front

seq_num	 	Sequence number
obs_id	58000	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	152.29552463996	Nominal RA [deg]
dec_nom	9.5283809219921	Nominal Dec [deg]
roll_nom	65.942443755217	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4431.1730877161	Sum of GTIs [s]
livetime	4375.0629059473	Livetime [s]
ontime4	4431.0499677062	Sum of GTIs [s]
ontime5	4431.1320477128	Sum of GTIs [s]
ontime6	4431.0910077095	Sum of GTIs [s]
ontime7	4431.1730877161	Sum of GTIs [s]
ontime8	4431.0089277029	Sum of GTIs [s]
ontime9	4431.2141277194	Sum of GTIs [s]
l2events	403453	Number of level 2 events

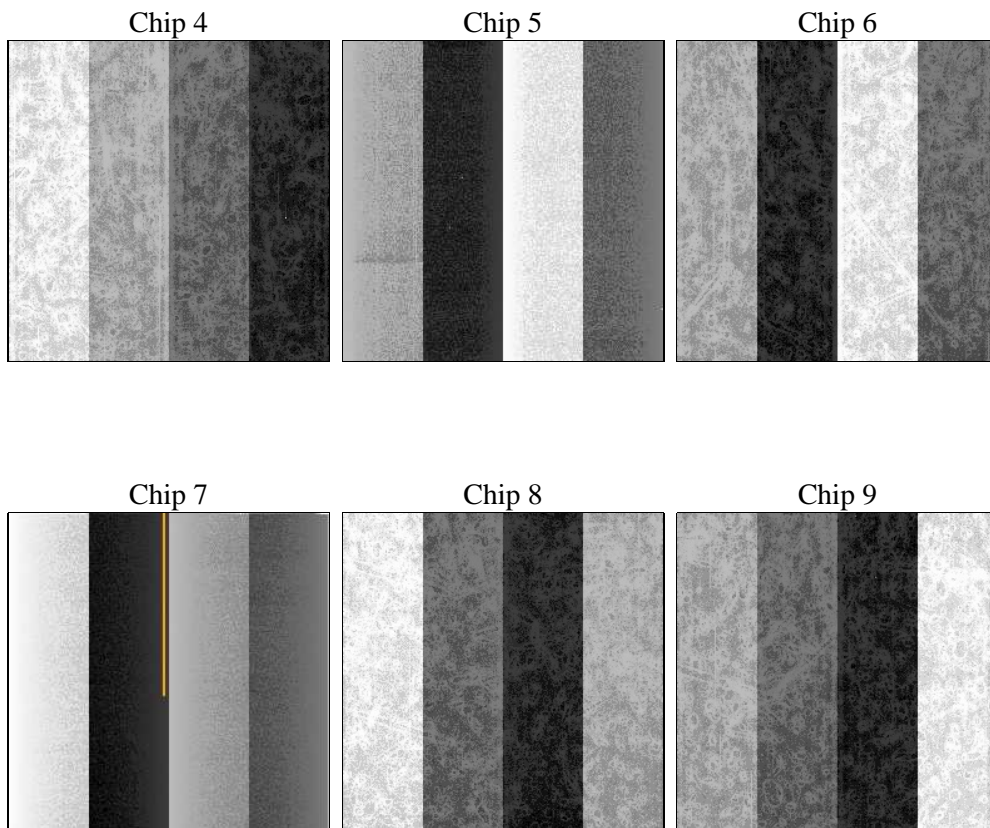
2 OBI

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	4431.1730877161	Sum of GTIs [s]
caldsver	4.4.9	 	ontime4	4431.0499677062	Sum of GTIs [s]
date	2012-05-08T15:57:09	Date and time of file creation	ontime5	4431.1320477128	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	4431.0910077095	Sum of GTIs [s]
			ontime7	4431.1730877161	Sum of GTIs [s]
			ontime8	4431.0089277029	Sum of GTIs [s]
			ontime9	4431.2141277194	Sum of GTIs [s]
			l1events	697412	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	107540	121319	110129	118873	121096	118455	grade 0 events	36993	15009	34981	17594	38319	36811
rejected events	43116	39890	42529	35864	45586	46776		34%	12%	31%	14%	31%	31%
rejected %	40%	32%	38%	30%	37%	39%	grade 1 events	387	275	211	88	272	275
								0%	0%	0%	0%	0%	0%
							grade 2 events	9941	29359	11968	18034	13722	14847
								9%	24%	10%	15%	11%	12%
							grade 3 events	4359	3804	4334	7694	5200	4363
								4%	3%	3%	6%	4%	3%
							grade 4 events	4357	3623	4275	7670	5040	4447
								4%	2%	3%	6%	4%	3%
							grade 5 events	2383	5408	2445	5934	3023	2705
								2%	4%	2%	4%	2%	2%
							grade 6 events	8823	29695	12101	32078	13280	11273
								8%	24%	10%	26%	10%	9%
							grade 7 events	40297	34146	39814	29781	42240	43734
								37%	28%	36%	25%	34%	36%

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	152.2955246399568
[deg] Pointing Dec	0	9.528380921992094
[deg] Pointing Roll	0.0	65.94244375521683
[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)	317560496.2136	317560495.18862
Observation start date	2008-01-24T11:14:56	2008-01-24T11:14:55
[s] Observation end time (MET)	317572685.51419	317572684.48921
Observation end date	2008-01-24T14:38:06	2008-01-24T14:38:04
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)	2012.05.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.4311730877161

A.2 Comments