

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 61254 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Oct 4 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

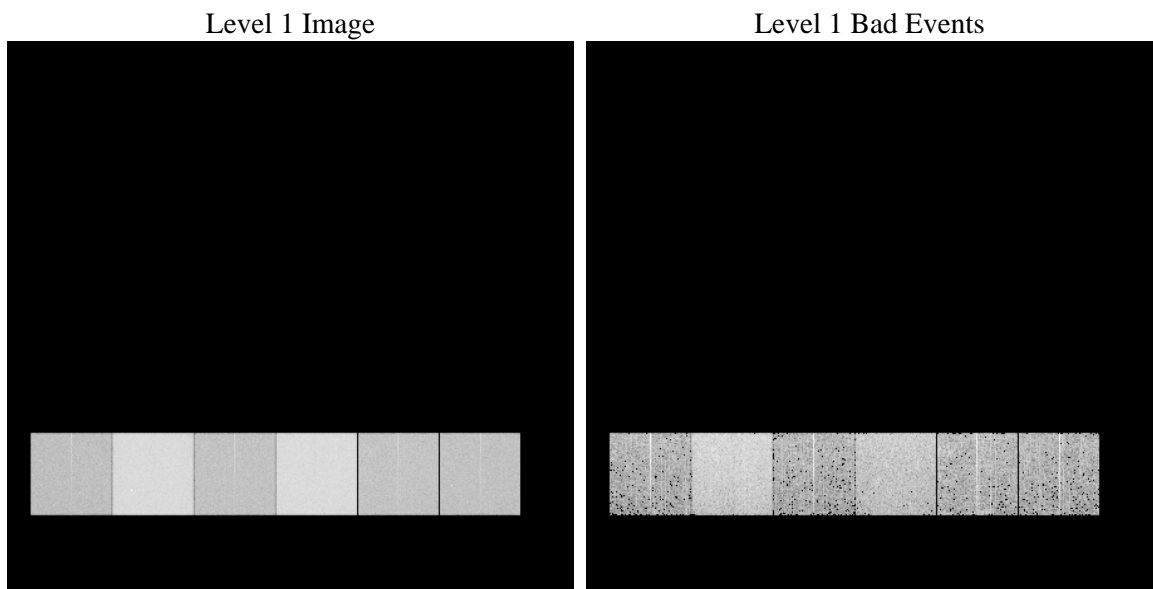
1 Front

seq_num	 	Sequence number
obs_id	61254	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	170.02473288998	Nominal RA [deg]
dec_nom	-9.0149051960377	Nominal Dec [deg]
roll_nom	295.83103136708	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7336.1865035146	Sum of GTIs [s]
livetime	7243.291292686	Livetime [s]
ontime4	2783.8972064406	Sum of GTIs [s]
ontime5	7929.2824233323	Sum of GTIs [s]
ontime6	2978.31846641	Sum of GTIs [s]
ontime7	7336.1865035146	Sum of GTIs [s]
ontime8	3054.8439209461	Sum of GTIs [s]
ontime9	2955.5080463439	Sum of GTIs [s]
l2events	1336526	Number of level 2 events

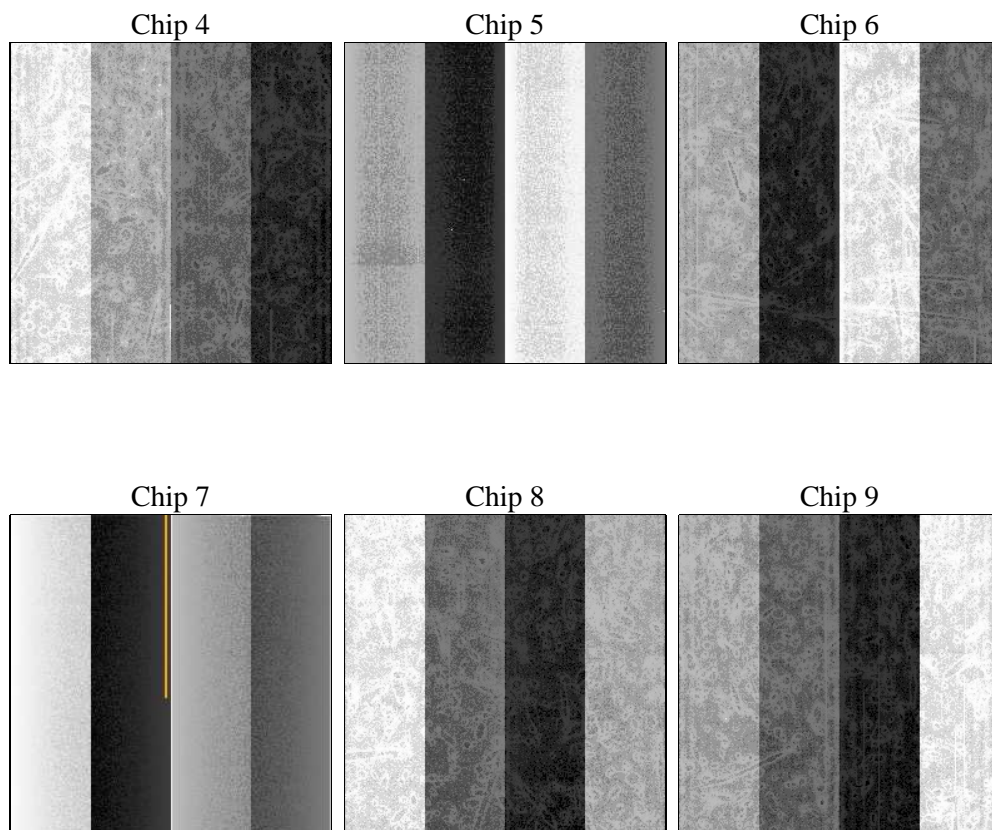
2 OBI

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	8.4.5	Processing system revision	ontime	7336.1865035146	Sum of GTIs [s]
caldbver	4.5.2	 	ontime4	2783.8972064406	Sum of GTIs [s]
date	2012-10-04T11:48:23	Date and time of file creation	ontime5	7929.2824233323	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	2978.31846641	Sum of GTIs [s]
			ontime7	7336.1865035146	Sum of GTIs [s]
			ontime8	3054.8439209461	Sum of GTIs [s]
			ontime9	2955.5080463439	Sum of GTIs [s]
			l1events	1569359	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	161471	423229	183336	433366	191989	175968	grade 0 events	79392	84078	89115	100139	92623	85381
rejected events	20847	53144	20690	36703	24083	20747		49%	19%	48%	23%	48%	48%
rejected %	12%	12%	11%	8%	12%	11%	grade 1 events	431	242	422	257	433	382
								0%	0%	0%	0%	0%	0%
							grade 2 events	25178	137467	28086	87913	29812	27648
								15%	32%	15%	20%	15%	15%
							grade 3 events	8777	22111	9782	40715	10517	9445
								5%	5%	5%	9%	5%	5%
							grade 4 events	8375	22069	10016	39946	10598	9469
								5%	5%	5%	9%	5%	5%
							grade 5 events	1328	9815	1540	7292	1782	1574
								0%	2%	0%	1%	0%	0%
							grade 6 events	18902	104360	25647	127950	24356	23278
								11%	24%	13%	29%	12%	13%
							grade 7 events	19088	43087	18728	29154	21868	18791
								11%	10%	10%	6%	11%	10%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
[deg] Pointing RA	0	170.0247328899798	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-9.014905196037702	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	295.8310313670766			
[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)	133450912.234191	133450911.46572			
Observation start date	2002-03-25T13:41:52	2002-03-25T13:41:51			
[s] Observation end time (MET)	133472221.985055	133472221.21659			
Observation end date	2002-03-25T19:37:02	2002-03-25T19:37:01			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.10.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.3361865035146

A.2 Comments