

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 60919 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Oct 19 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

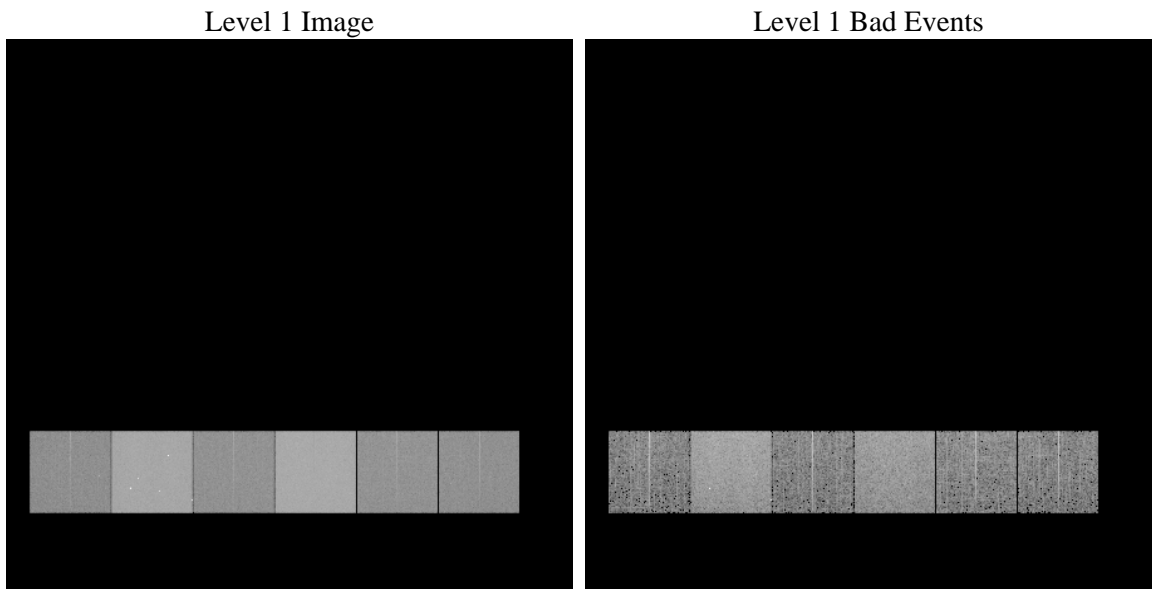
1 Front

seq_num	 	Sequence number
obs_id	60919	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	121.99327749028	Nominal RA [deg]
dec_nom	14.02785387923	Nominal Dec [deg]
roll_nom	70.249838814083	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8351.1752588153	Sum of GTIs [s]
livetime	8245.4276492141	Livetime [s]
ontime4	3278.9097931087	Sum of GTIs [s]
ontime5	8351.134218812	Sum of GTIs [s]
ontime6	3526.2443298697	Sum of GTIs [s]
ontime7	8351.1752588153	Sum of GTIs [s]
ontime8	3599.7301183045	Sum of GTIs [s]
ontime9	3402.2333530784	Sum of GTIs [s]
l2events	1270294	Number of level 2 events

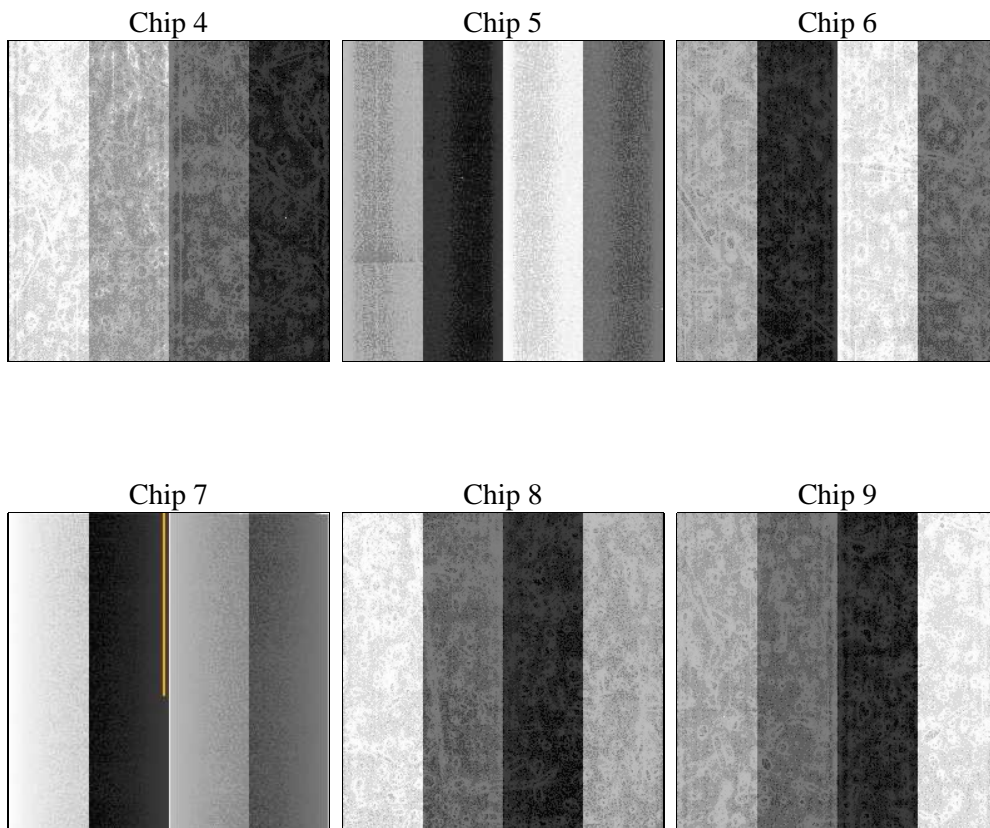
2 OBI

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	8351.1752588153	Sum of GTIs [s]
caldsver	4.5.2	 	ontime4	3278.9097931087	Sum of GTIs [s]
date	2012-10-19T10:56:32	Date and time of file creation	ontime5	8351.134218812	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	3526.2443298697	Sum of GTIs [s]
			ontime7	8351.1752588153	Sum of GTIs [s]
			ontime8	3599.7301183045	Sum of GTIs [s]
			ontime9	3402.2333530784	Sum of GTIs [s]
			l1events	1546786	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	164359	397512	186868	427579	195321	175147	grade 0 events	81450	80637	88768	96062	92673	83816
rejected events	25511	59784	26270	48012	29721	26037		49%	20%	47%	22%	47%	47%
rejected %	15%	15%	14%	11%	15%	14%	grade 1 events	545	423	401	258	427	462
								0%	0%	0%	0%	0%	0%
							grade 2 events	22594	124645	28219	84376	29138	25582
								13%	31%	15%	19%	14%	14%
							grade 3 events	9192	20868	10250	39192	10673	9592
								5%	5%	5%	9%	5%	5%
							grade 4 events	9254	20318	10045	38521	10860	9506
								5%	5%	5%	9%	5%	5%
							grade 5 events	1567	9945	1751	8426	1990	1767
								0%	2%	0%	1%	1%	1%
							grade 6 events	17962	95749	25542	126637	24498	22495
								10%	24%	13%	29%	12%	12%
							grade 7 events	21795	44927	21892	34107	25062	21927
								13%	11%	11%	7%	12%	12%

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	121.9932774902826	Alternating exposures requested	N	N
[deg] Pointing Dec	0	14.02785387922988	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	70.24983881408275			
[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)	156296205.680614	156296204.65589			
Observation start date	2002-12-14T23:36:46	2002-12-14T23:36:44			
[s] Observation end time (MET)	156318595.781548	156318594.75682			
Observation end date	2002-12-15T05:49:56	2002-12-15T05:49:54			
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)	2012.11.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.3511752588153

A.2 Comments