

V&V Reference Report

L2 ASCDS Version : 8.1.1

Observation 62304 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Nov 24 2009

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

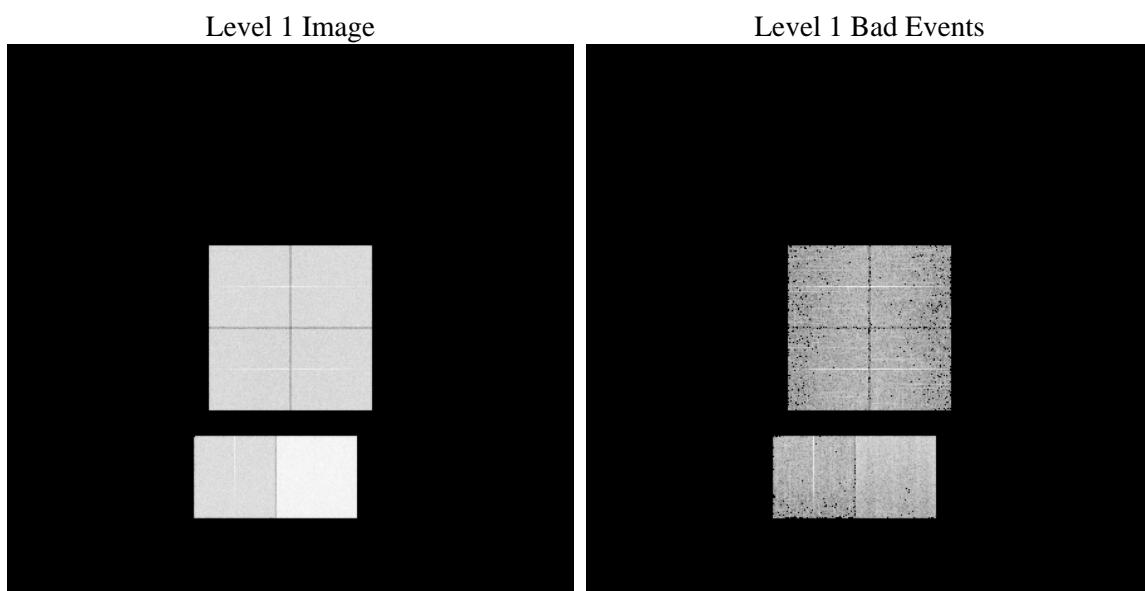
1 Front

seq_num	 	Sequence number
obs_id	62304	Observation id
title	ACIS-012367 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
dec_targ	0.0	Observer's specified target Dec
ra_nom	327.97340161329	Nominal RA
dec_nom	-30.49543070447	Nominal Dec
roll_nom	288.85007451716	Nominal Roll
revision	4	Processing version of data
ontime	4686.6684699655	Sum of GTIs [s]
livetime	4627.3230518258	Livetime [s]
ontime0	1873.4711606577	Sum of GTIs [s]
ontime1	1894.5188325644	Sum of GTIs [s]
ontime2	1761.6773220971	Sum of GTIs [s]
ontime3	1797.1644824371	Sum of GTIs [s]
ontime6	2016.0767413527	Sum of GTIs [s]
ontime7	4686.6684699655	Sum of GTIs [s]
l2events	1230288	Number of level 2 events

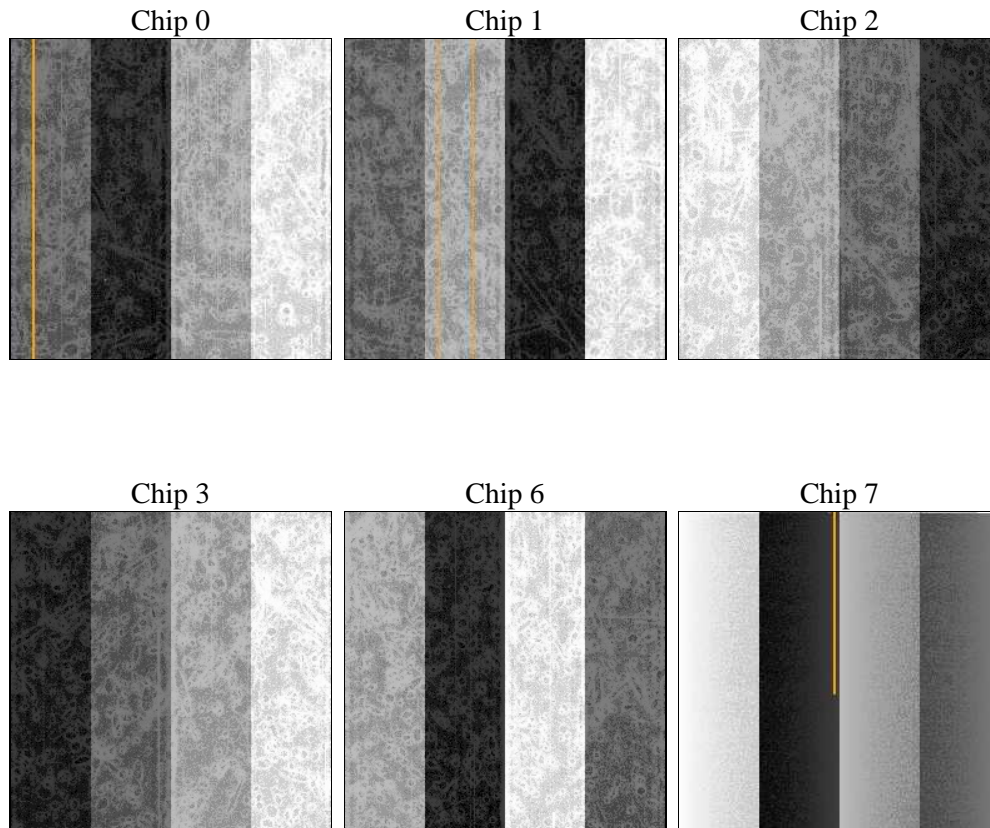
2 OBI

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	Scheduled observation exposure time
ascdsver	8.1.1	ASCDS version number	ontime	4686.6684699655	Sum of GTIs [s]
caldsver	4.1.4	 	ontime0	1873.4711606577	Sum of GTIs [s]
date	2009-11-24T11:16:11	Date and time of file creation	ontime1	1894.5188325644	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	1761.6773220971	Sum of GTIs [s]
			ontime3	1797.1644824371	Sum of GTIs [s]
			ontime6	2016.0767413527	Sum of GTIs [s]
			ontime7	4686.6684699655	Sum of GTIs [s]
			l1events	1416883	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	187134	189251	176346	180735	207212	476205	grade 0 events	59578	60354	47749	50271	50800	79142
rejected events	24737	24682	24738	25845	29134	44906		31%	31%	27%	27%	24%	16%
rejected %	13%	13%	14%	14%	14%	9%	grade 1 events	295	252	217	178	193	207
								0%	0%	0%	0%	0%	0%
							grade 2 events	61240	62765	66511	66801	82115	120349
								32%	33%	37%	36%	39%	25%
							grade 3 events	6433	6314	5006	5270	5198	37745
								3%	3%	2%	2%	2%	7%
							grade 4 events	6387	6274	5099	5182	5230	33910
								3%	3%	2%	2%	2%	7%
							grade 5 events	1618	1599	1503	1536	1681	6743
								0%	0%	0%	0%	0%	1%
							grade 6 events	28759	28862	27243	27366	34738	160153
								15%	15%	15%	15%	16%	33%
							grade 7 events	22824	22831	23018	24131	27257	37956
								12%	12%	13%	13%	13%	7%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-012367	ACIS-012367	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
Pointing RA	0	327.9734016132943	Alternating exposures requested	N	N
Pointing Dec	0	-30.49543070447006	Primary exposure time	0.000000	3.2
Pointing Roll	0.0	288.850074517163			
SIM focus pos (mm)	-0.782348	-0.6828225247311905			
SIM defocus (mm)	0	0.8505141146731063			
SIM translation stage pos (mm)	-233.592463	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	59442389.497	59442388.729032			
Observation start date	1999-11-19T23:46:29	1999-11-19T23:46:28			
Observation end time	59451790.797	59451790.029372			
Observation end date	1999-11-20T02:23:11	1999-11-20T02:23:10			
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)	2010.08.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.6866684699655

A.2 Comments

This observation was acquired with the focal plane temperature raised from -120C to -110C, for attempted recalibration of ACIS for the 1999-09-16 through 2000-01-28 period. This reprocessing of the data applies no CTI correction because none is available for that temperature.