

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 58197 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : May 1 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

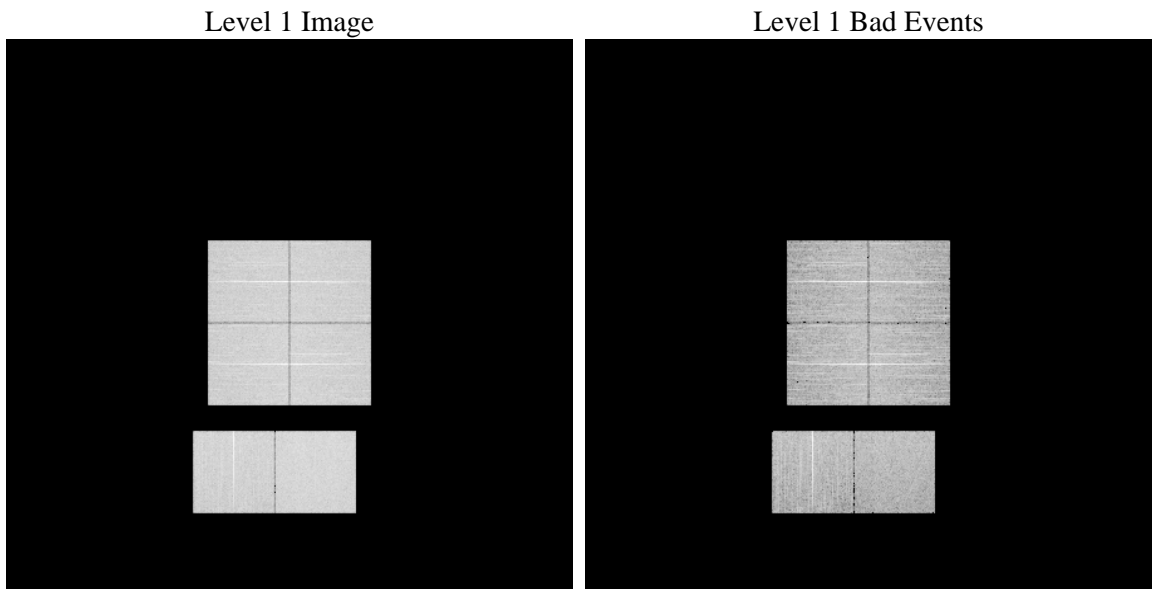
1 Front

seq_num	 	Sequence number
obs_id	58197	Observation id
title	ACIS-012367 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtycle	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	138.95825886047	Nominal RA [deg]
dec_nom	-48.991325176727	Nominal Dec [deg]
roll_nom	129.598969452	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7791.9999710321	Sum of GTIs [s]
livetime	7693.3329756198	Livetime [s]
ontime0	7791.9999710321	Sum of GTIs [s]
ontime1	7791.9999710321	Sum of GTIs [s]
ontime2	7791.9999710321	Sum of GTIs [s]
ontime3	7791.9999710321	Sum of GTIs [s]
ontime6	7791.9999710321	Sum of GTIs [s]
ontime7	7791.9999710321	Sum of GTIs [s]
l2events	656872	Number of level 2 events

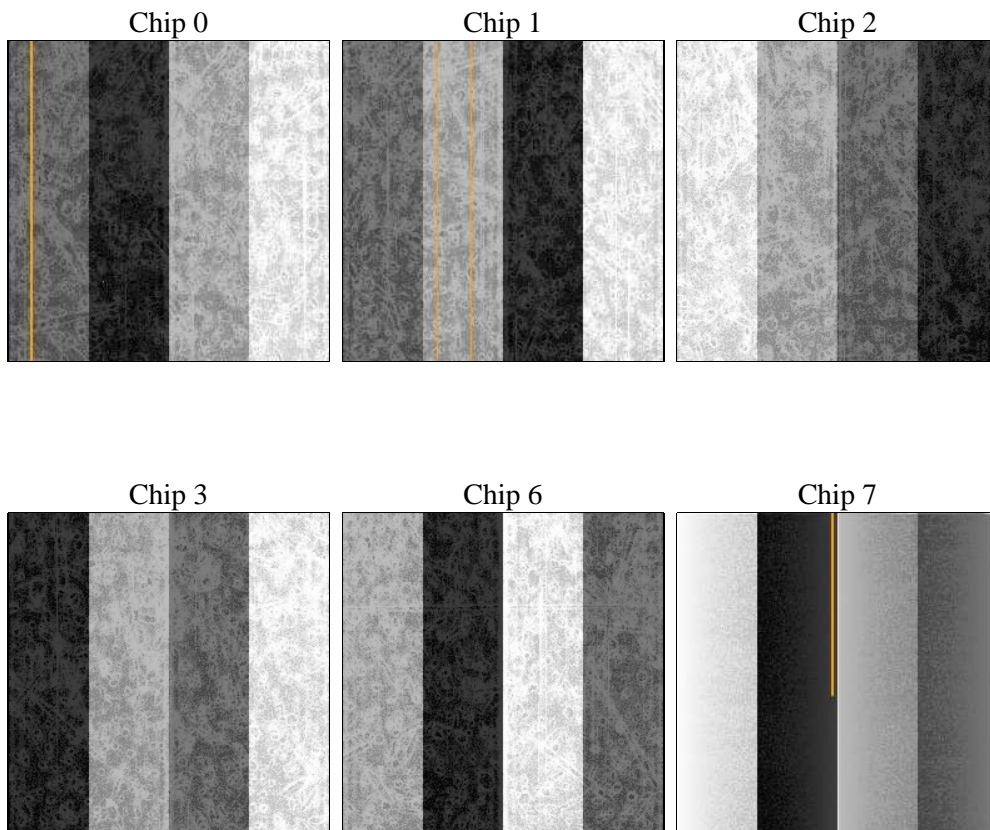
2 OBI

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	7791.9999710321	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	7791.9999710321	Sum of GTIs [s]
date	2012-05-01T21:59:29	Date and time of file creation	ontime1	7791.9999710321	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	7791.9999710321	Sum of GTIs [s]
			ontime3	7791.9999710321	Sum of GTIs [s]
			ontime6	7791.9999710321	Sum of GTIs [s]
			ontime7	7791.9999710321	Sum of GTIs [s]
			l1events	1096436	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	175085	174217	179958	181376	182843	202957	grade 0 events	58497	58417	60493	60412	60324	29967
rejected events	66795	65013	70308	71239	69153	60902		33%	33%	33%	33%	32%	14%
rejected %	38%	37%	39%	39%	37%	30%	grade 1 events	424	345	471	483	392	143
								0%	0%	0%	0%	0%	0%
							grade 2 events	19319	20149	18749	19400	20292	30858
								11%	11%	10%	10%	11%	15%
							grade 3 events	7072	7097	7181	7387	7259	13717
								4%	4%	3%	4%	3%	6%
							grade 4 events	7234	7044	7299	7451	7396	13682
								4%	4%	4%	4%	4%	6%
							grade 5 events	3647	3886	3582	4214	4056	10221
								2%	2%	1%	2%	2%	5%
							grade 6 events	16219	16542	15971	15536	18457	53887
								9%	9%	8%	8%	10%	26%
							grade 7 events	62673	60737	66212	66493	64667	50482
								35%	34%	36%	36%	35%	24%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
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
[deg] Pointing RA	0	138.9582588604715	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-48.99132517672673	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	129.5989694520027			
[mm] SIM focus pos	-0.782348	-0.6828225247311905			
[mm] SIM defocus	0	0.8505141146731063			
[mm] SIM translation stage pos	-233.592463	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	307047361.805694	307047360.7807			
Observation start date	2007-09-24T18:56:02	2007-09-24T18:56:00			
[s] Observation end time (MET)	307059534.706281	307059533.68128			
Observation end date	2007-09-24T22:18:55	2007-09-24T22:18:53			
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)	2012.05.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7919999710321

A.2 Comments