

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 58578 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Apr 18 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

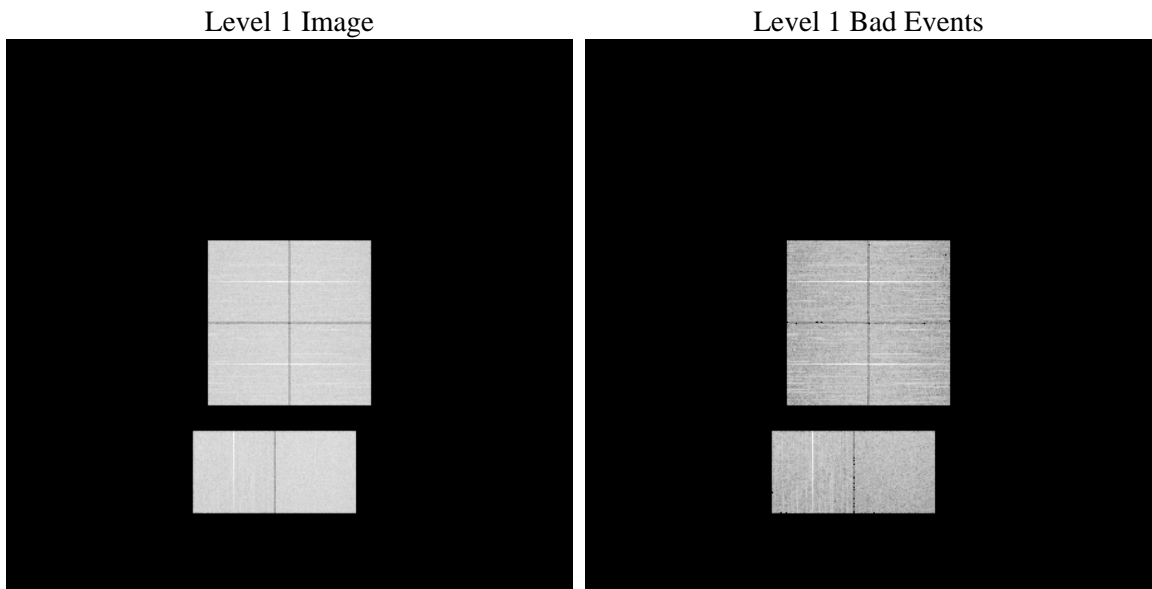
1 Front

seq_num	 	Sequence number
obs_id	58578	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 [deg]
dec_targ	0.0	Observer's specified target Dec [deg]
ra_nom	53.981485307521	Nominal RA [deg]
dec_nom	13.550133887185	Nominal Dec [deg]
roll_nom	284.35507903233	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8243.1999693513	Sum of GTIs [s]
livetime	8138.8196078802	Livetime [s]
ontime0	8243.1999693513	Sum of GTIs [s]
ontime1	8243.1999693513	Sum of GTIs [s]
ontime2	8243.1999693513	Sum of GTIs [s]
ontime3	8243.1999693513	Sum of GTIs [s]
ontime6	8243.1999693513	Sum of GTIs [s]
ontime7	8243.1999693513	Sum of GTIs [s]
l2events	798209	Number of level 2 events

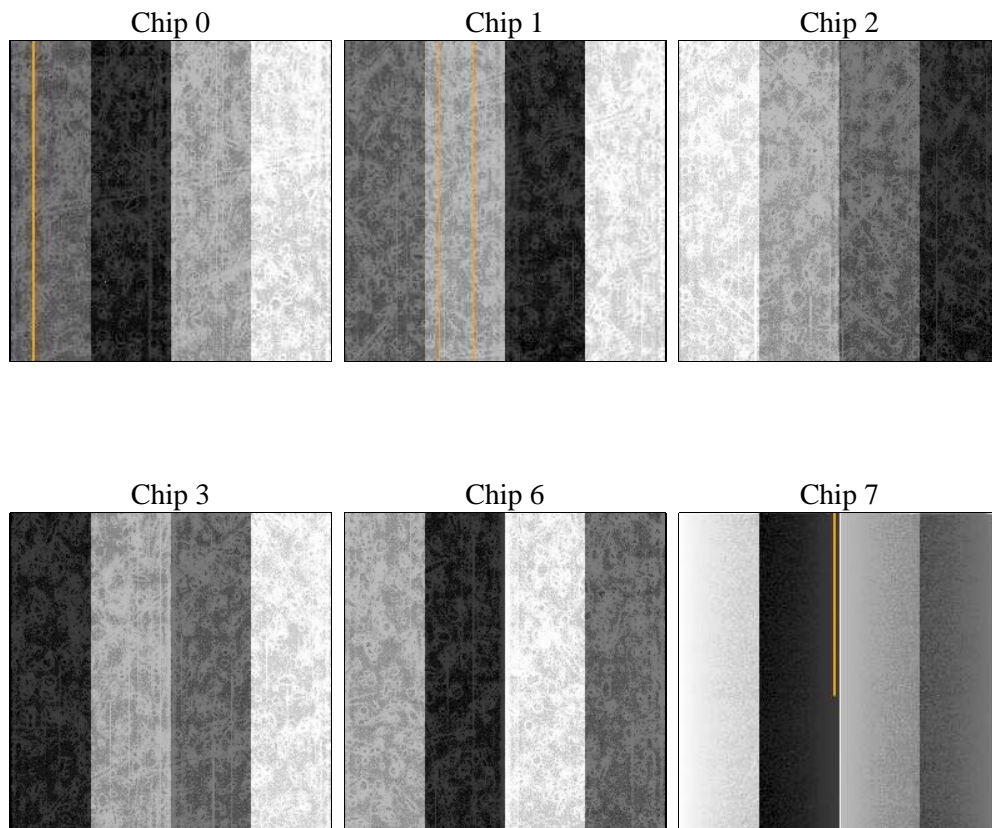
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4860	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	8243.1999693513	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	8243.1999693513	Sum of GTIs [s]
date	2012-04-18T14:04:26	Date and time of file creation	ontime1	8243.1999693513	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	8243.1999693513	Sum of GTIs [s]
			ontime3	8243.1999693513	Sum of GTIs [s]
			ontime6	8243.1999693513	Sum of GTIs [s]
			ontime7	8243.1999693513	Sum of GTIs [s]
			l1events	1263884	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	201983	201357	207689	209144	213771	229940	grade 0 events	72652	72115	74678	74966	74563	36318
rejected events	68747	67738	73739	74508	74571	63261		35%	35%	35%	35%	34%	15%
rejected %	34%	33%	35%	35%	34%	27%	grade 1 events	473	440	552	628	460	173
								0%	0%	0%	0%	0%	0%
							grade 2 events	23720	24234	22660	23236	24614	36599
								11%	12%	10%	11%	11%	15%
							grade 3 events	8825	8841	8950	9142	9020	16167
								4%	4%	4%	4%	4%	7%
							grade 4 events	8726	8679	8873	9091	8950	16043
								4%	4%	4%	4%	4%	6%
							grade 5 events	3918	4040	3737	4318	4321	10523
								1%	2%	1%	2%	2%	4%
							grade 6 events	19843	20305	19328	18759	22630	62337
								9%	10%	9%	8%	10%	27%
							grade 7 events	63826	62703	68911	69004	69213	51780
								31%	31%	33%	32%	32%	22%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	53.97836901312941	53.98148530752088
[deg] Pointing Dec	13.54943873125545	13.55013388718519
[deg] Pointing Roll	284.3557929020572	284.3550790323322
[mm] SIM focus pos	-0.78090834371673	-0.78090834371673
[mm] SIM defocus	0.7524282194390134	0.7524282194390134
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	284934133.749491	284934133.749491
Observation start date	2007-01-11T20:50:00	2007-01-11T20:22:13
[s] Observation end time (MET)	284948401.794687	284948401.794687
Observation end date	2007-01-11T22:11:00	2007-01-12T00:20:01
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
Number of optional ACIS chips dropped	0	0
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)	2012.04.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2431999693513

A.2 Comments