

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 54218 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Oct 27 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

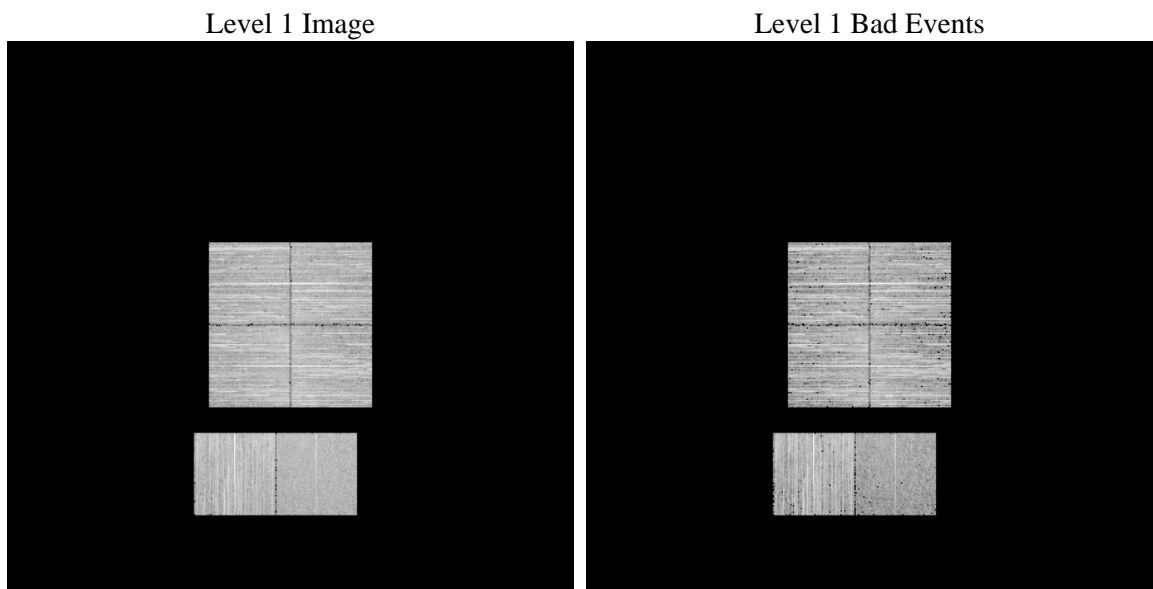
1 Front

seq_num	 	Sequence number
obs_id	54218	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	47.436596261032	Nominal RA [deg]
dec_nom	5.1433590718182	Nominal Dec [deg]
roll_nom	62.391959946811	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4342.2417312264	Sum of GTIs [s]
livetime	4287.2576518416	Livetime [s]
ontime0	4342.2006912231	Sum of GTIs [s]
ontime1	4342.1596512198	Sum of GTIs [s]
ontime2	4342.1186112165	Sum of GTIs [s]
ontime3	4342.2827712297	Sum of GTIs [s]
ontime6	4342.0775712132	Sum of GTIs [s]
ontime7	4342.2417312264	Sum of GTIs [s]
l2events	125765	Number of level 2 events

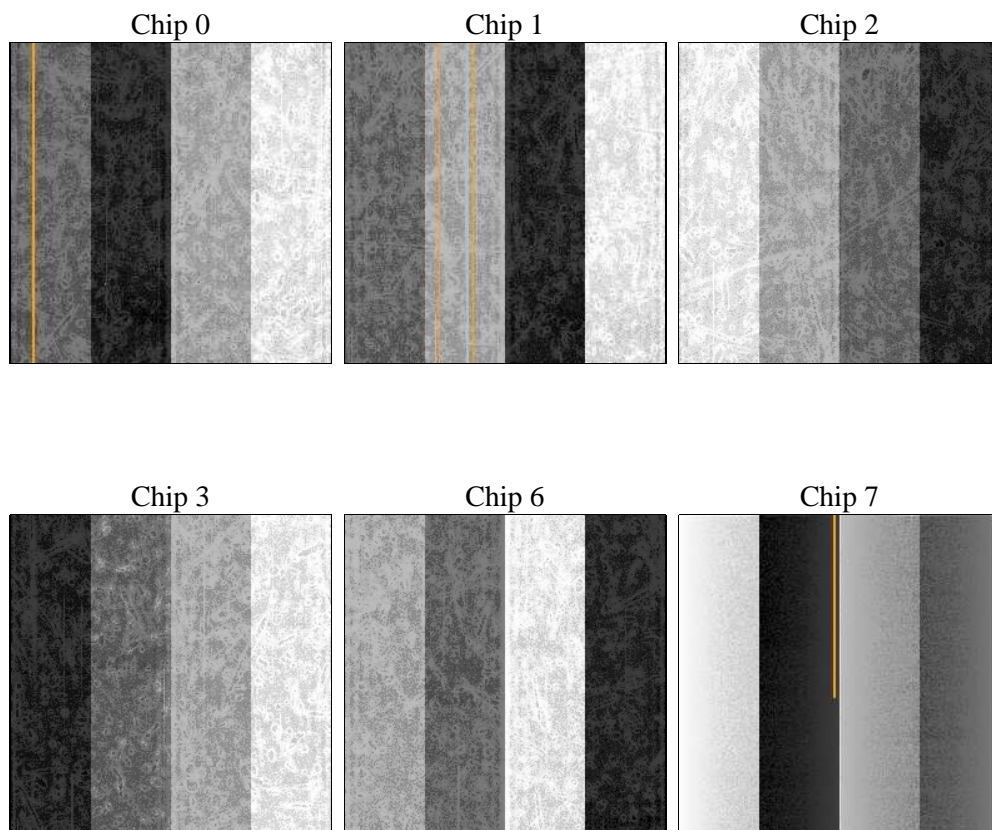
2 OBI

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	4342.2417312264	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	4342.2006912231	Sum of GTIs [s]
date	2012-10-27T14:03:06	Date and time of file creation	ontime1	4342.1596512198	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	4342.1186112165	Sum of GTIs [s]
			ontime3	4342.2827712297	Sum of GTIs [s]
			ontime6	4342.0775712132	Sum of GTIs [s]
			ontime7	4342.2417312264	Sum of GTIs [s]
			l1events	510918	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	86925	86782	86086	89084	90625	71416	grade 0 events	10153	10061	10641	10639	10538	5352
rejected events	67560	67174	66335	69196	70159	37359		11%	11%	12%	11%	11%	7%
rejected %	77%	77%	77%	77%	77%	52%	grade 1 events	73	49	56	82	58	58
								0%	0%	0%	0%	0%	0%
							grade 2 events	3954	4047	3903	3787	3954	8554
								4%	4%	4%	4%	4%	11%
							grade 3 events	1382	1325	1393	1385	1419	2901
								1%	1%	1%	1%	1%	4%
							grade 4 events	1293	1307	1366	1379	1344	2820
								1%	1%	1%	1%	1%	3%
							grade 5 events	1638	1551	1480	1745	1718	4293
								1%	1%	1%	1%	1%	6%
							grade 6 events	2978	3241	2852	3090	3603	15099
								3%	3%	3%	3%	3%	21%
							grade 7 events	65454	65201	64395	66977	67991	32339
								75%	75%	74%	75%	75%	45%

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	0	47.43659626103177
[deg] Pointing Dec	0	5.143359071818241
[deg] Pointing Roll	0.0	62.39195994681088
SIM focus pos (mm)	-1.4281808131	-1.4281808131
[mm] SIM defocus	0.1051557500557434	0.1051557500557434
SIM translation stage pos (mm)	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	467679104.871758	467679104.871758
Observation start date	2012-10-26T22:51:45	2012-10-26T22:51:44
[s] Observation end time (MET)	467684791.479444	467684791.479444
Observation end date	2012-10-27T00:26:31	2012-10-27T00:26:31
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)	2012.10.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.3422417312264

A.2 Comments