

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 51296 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jan 30 2016

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

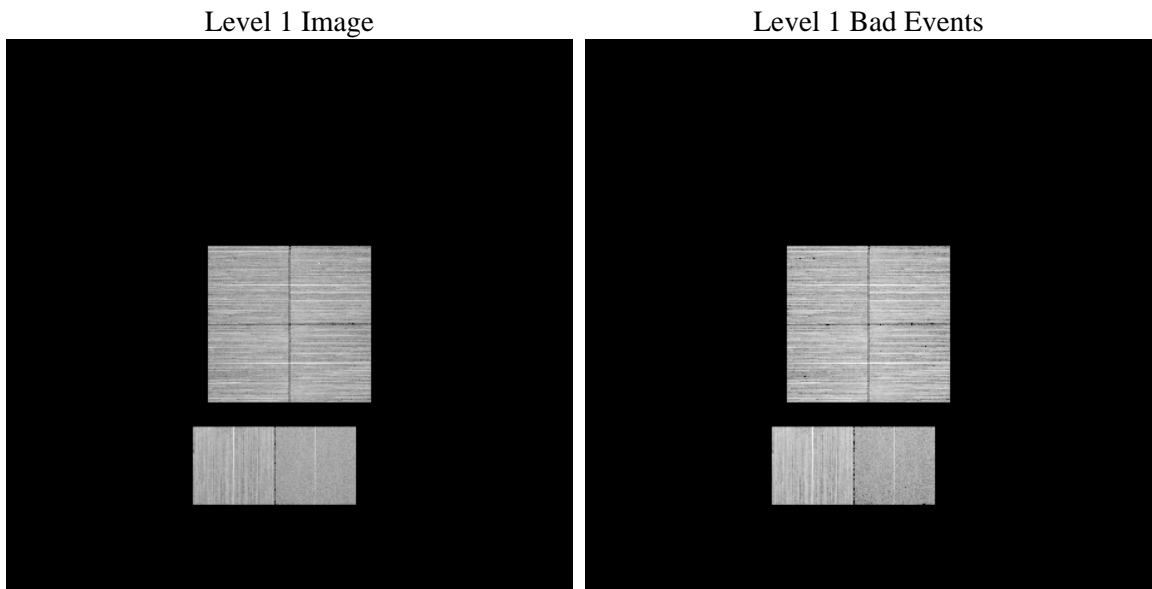
1 Front

seq_num	 	Sequence number
obs_id	51296	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	134.6603680154	Nominal RA [deg]
dec_nom	27.449953786505	Nominal Dec [deg]
roll_nom	210.72343761554	Nominal Roll [deg]
revision	1	Processing version of data
ontime	6889.600102663	Sum of GTIs [s]
livetime	6802.359837744	Livetime [s]
ontime0	6889.600102663	Sum of GTIs [s]
ontime1	6889.600102663	Sum of GTIs [s]
ontime2	6889.600102663	Sum of GTIs [s]
ontime3	6889.600102663	Sum of GTIs [s]
ontime6	6889.600102663	Sum of GTIs [s]
ontime7	6889.600102663	Sum of GTIs [s]
l2events	124768	Number of level 2 events

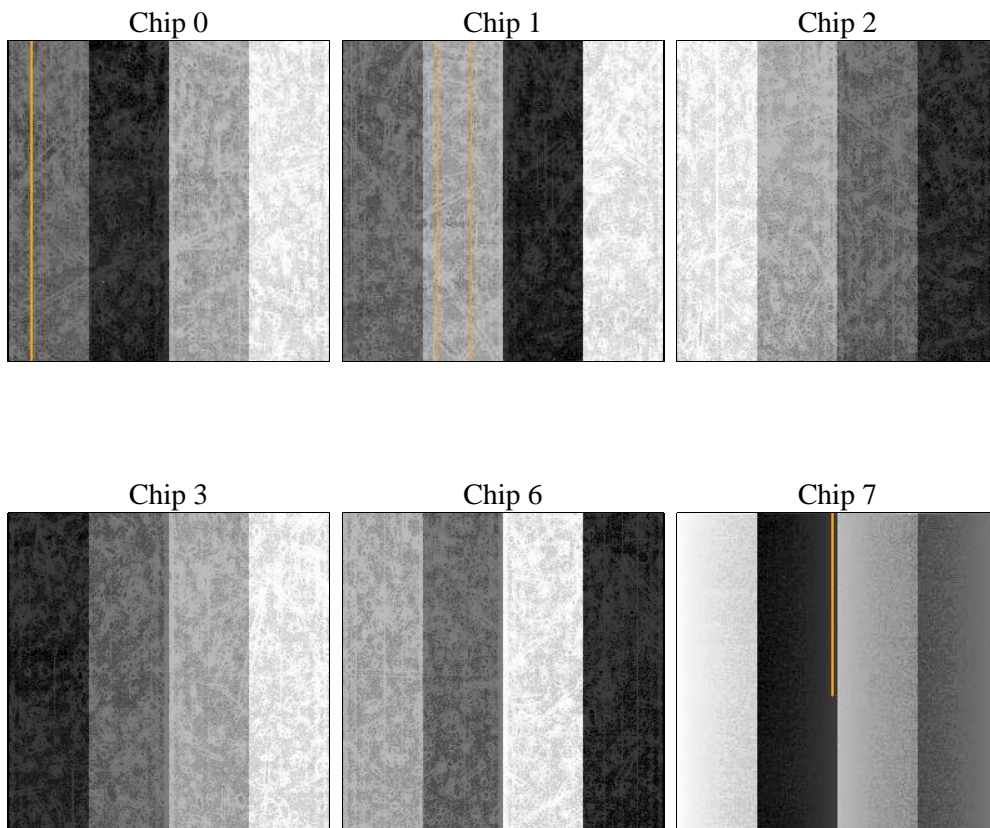
2 OBI

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	10.4.3.1	Processing system revision	ontime	6889.600102663	Sum of GTIs [s]
caldsver	4.7.0	 	ontime0	6889.600102663	Sum of GTIs [s]
date	2016-01-30T12:15:06	Date and time of file creation	ontime1	6889.600102663	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	6889.600102663	Sum of GTIs [s]
			ontime3	6889.600102663	Sum of GTIs [s]
			ontime6	6889.600102663	Sum of GTIs [s]
			ontime7	6889.600102663	Sum of GTIs [s]
			l1events	842601	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	135716	151545	147595	150720	143790	113235	grade 0 events	8543	8574	8645	8688	8524	4941
rejected events	118082	133210	130009	133267	125549	68718		6%	5%	5%	5%	5%	4%
rejected %	87%	87%	88%	88%	87%	60%	grade 1 events	68	64	46	73	42	91
								0%	0%	0%	0%	0%	0%
							grade 2 events	3907	4202	3731	3615	4089	11152
								2%	2%	2%	2%	2%	9%
							grade 3 events	1280	1297	1251	1279	1281	3425
								0%	0%	0%	0%	0%	3%
							grade 4 events	1220	1267	1285	1284	1252	3474
								0%	0%	0%	0%	0%	3%
							grade 5 events	2829	2813	2773	3103	2934	7400
								2%	1%	1%	2%	2%	6%
							grade 6 events	2964	3301	2947	2881	3392	22223
								2%	2%	1%	1%	2%	19%
							grade 7 events	114905	130027	126917	129797	122276	60529
								84%	85%	85%	86%	85%	53%

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	134.6603680154001
[deg] Pointing Dec	0	27.4499537865052
[deg] Pointing Roll	0.0	210.7234376155407
SIM focus pos (mm)	-0.68282252473119	-0.68282252473119
[mm] SIM defocus	0.8505140384245534	0.8505140384245534
SIM translation stage pos (mm)	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	570500329.944683	570500329.944683
Observation start date	2016-01-30T00:18:50	2016-01-30T00:18:49
[s] Observation end time (MET)	570508617.009104	570508617.009104
Observation end date	2016-01-30T02:36:57	2016-01-30T02:36:57
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2016.01.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.889600102663

A.2 Comments