

V&V Reference Report

L2 ASCDS Version : 10.2.1

Observation 53038 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Feb 4 2014

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

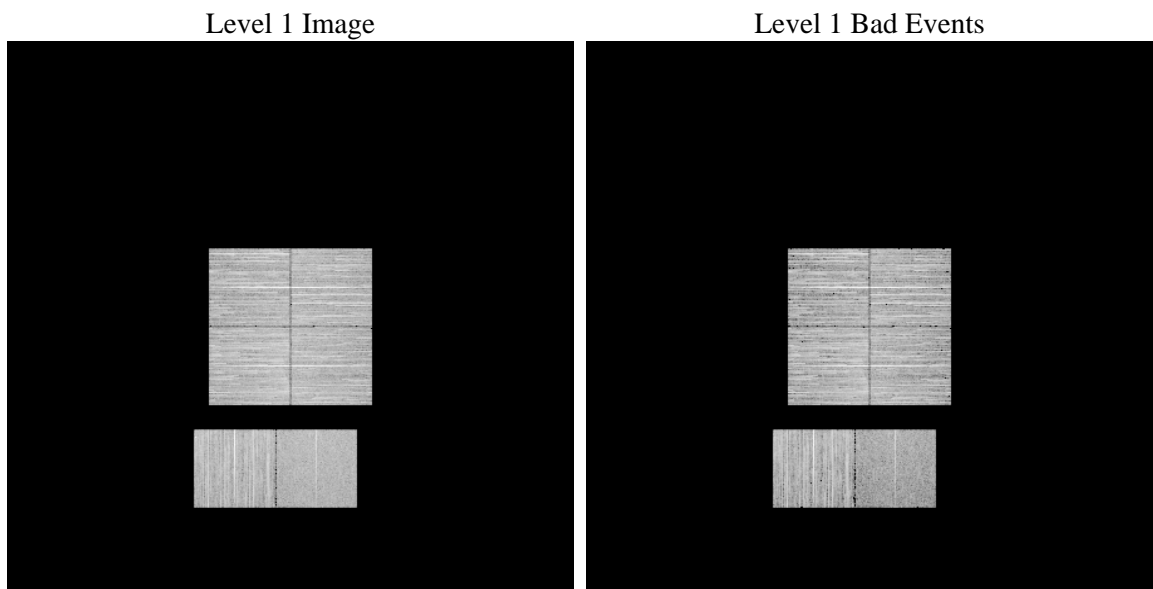
1 Front

seq_num	 	Sequence number
obs_id	53038	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	160.46574965336	Nominal RA [deg]
dec_nom	28.925165535771	Nominal Dec [deg]
roll_nom	116.37860384623	Nominal Roll [deg]
revision	1	Processing version of data
ontime	6293.989164114	Sum of GTIs [s]
livetime	6214.2908835327	Livetime [s]
ontime0	6293.9481241107	Sum of GTIs [s]
ontime1	6293.9070841074	Sum of GTIs [s]
ontime2	6293.8660441041	Sum of GTIs [s]
ontime3	6294.0302041173	Sum of GTIs [s]
ontime6	6293.8250041008	Sum of GTIs [s]
ontime7	6293.989164114	Sum of GTIs [s]
l2events	138261	Number of level 2 events

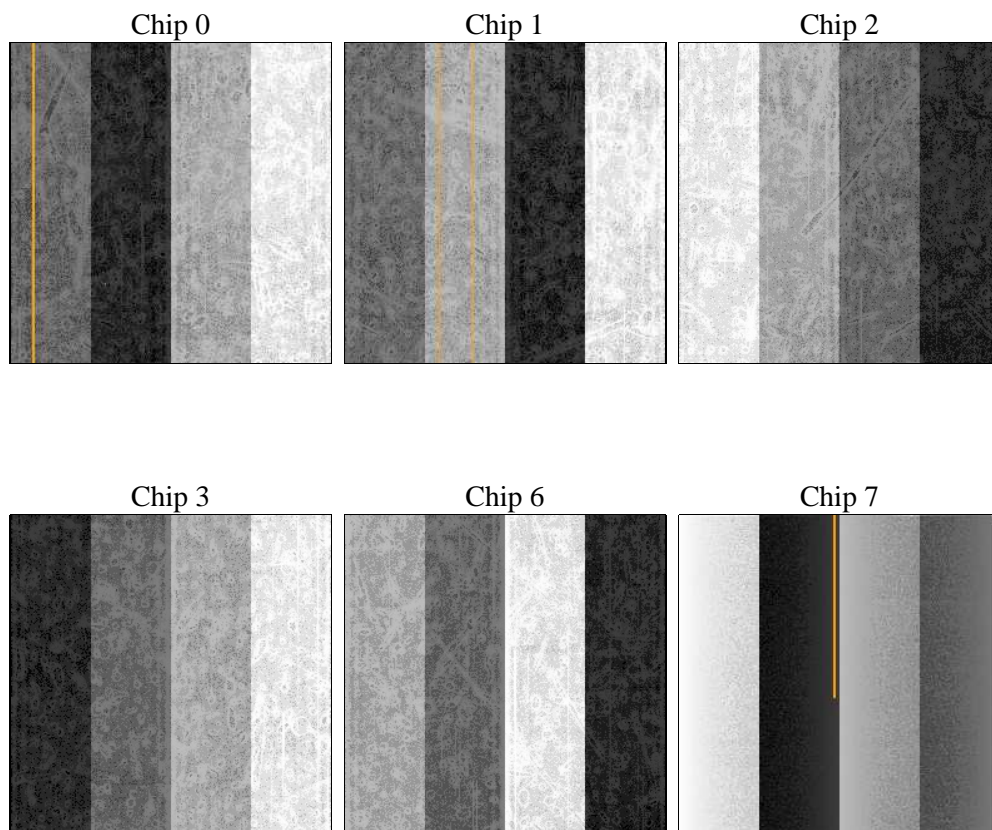
2 OBI

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	10.2.1	Processing system revision	ontime	6293.989164114	Sum of GTIs [s]
caldsver	4.6.0	 	ontime0	6293.9481241107	Sum of GTIs [s]
date	2014-02-04T23:45:50	Date and time of file creation	ontime1	6293.9070841074	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	6293.8660441041	Sum of GTIs [s]
			ontime3	6294.0302041173	Sum of GTIs [s]
			ontime6	6293.8250041008	Sum of GTIs [s]
			ontime7	6293.989164114	Sum of GTIs [s]
			l1events	650779	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	106331	111651	122204	107782	110605	92206	grade 0 events	11011	10756	11453	11417	11467	6006
rejected events	85434	90429	100998	86568	88360	52285		10%	9%	9%	10%	10%	6%
rejected %	80%	80%	82%	80%	79%	56%	grade 1 events	58	50	73	62	62	72
								0%	0%	0%	0%	0%	0%
							grade 2 events	4386	4706	4266	4310	4630	10093
								4%	4%	3%	3%	4%	10%
							grade 3 events	1524	1481	1558	1564	1517	3364
								1%	1%	1%	1%	1%	3%
							grade 4 events	1460	1506	1539	1543	1537	3443
								1%	1%	1%	1%	1%	3%
							grade 5 events	2169	2151	2083	2422	2321	5739
								2%	1%	1%	2%	2%	6%
							grade 6 events	3419	3735	3294	3357	4110	18857
								3%	3%	2%	3%	3%	20%
							grade 7 events	82304	87266	97938	83107	84961	44632
								77%	78%	80%	77%	76%	48%

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	160.4657496533587
[deg] Pointing Dec	0	28.92516553577119
[deg] Pointing Roll	0.0	116.3786038462307
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)	507894574.107417	507894574.107417
Observation start date	2014-02-04T09:49:34	2014-02-04T09:49:34
[s] Observation end time (MET)	507902387.403237	507902387.403237
Observation end date	2014-02-04T11:59:47	2014-02-04T11:59:47
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	Joy Nichols
V&V Date (YYYY-MM-DD)	2014.02.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.293989164114

A.2 Comments