

V&V Reference Report

L2 ASCDS Version : 10.2.1

Observation 52819 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Apr 22 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

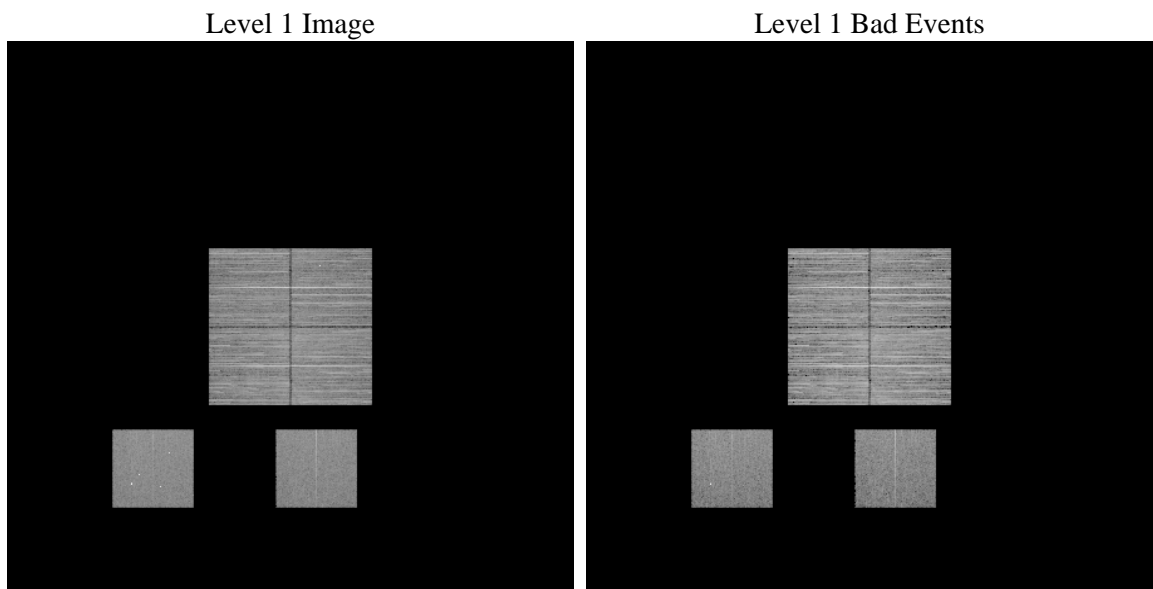
1 Front

seq_num	 	Sequence number
obs_id	52819	Observation id
title	ACIS-012357 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	265.44935725493	Nominal RA [deg]
dec_nom	-24.310951190138	Nominal Dec [deg]
roll_nom	69.504985359068	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8411.839348793	Sum of GTIs [s]
livetime	8305.323573957	Livetime [s]
ontime0	8314.5671087503	Sum of GTIs [s]
ontime1	8330.7333040833	Sum of GTIs [s]
ontime2	8311.2440283298	Sum of GTIs [s]
ontime3	8308.1691640019	Sum of GTIs [s]
ontime5	8411.6751887798	Sum of GTIs [s]
ontime7	8411.839348793	Sum of GTIs [s]
l2events	200701	Number of level 2 events

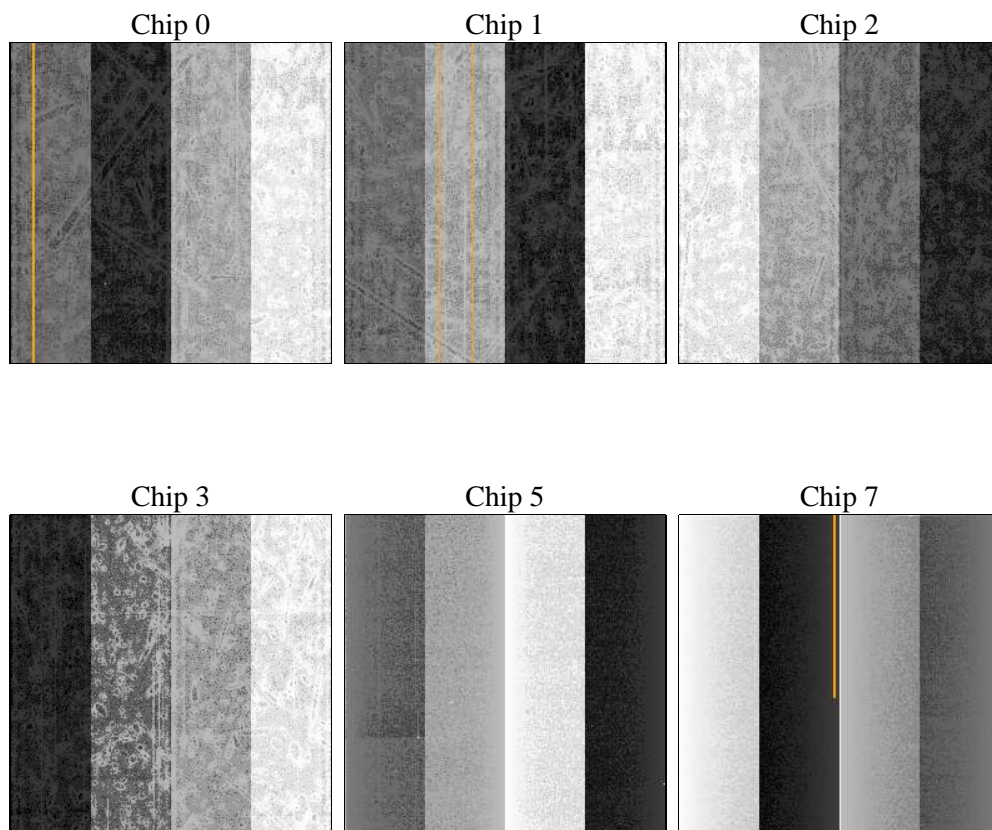
2 OBI

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	8411.839348793	Sum of GTIs [s]
caldsver	4.6.1	 	ontime0	8314.5671087503	Sum of GTIs [s]
date	2014-04-23T00:11:48	Date and time of file creation	ontime1	8330.7333040833	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8311.2440283298	Sum of GTIs [s]
			ontime3	8308.1691640019	Sum of GTIs [s]
			ontime5	8411.6751887798	Sum of GTIs [s]
			ontime7	8411.839348793	Sum of GTIs [s]
			l1events	775867	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	129006	126538	139453	143013	123692	114165	grade 0 events	13436	14126	13646	13735	7783	7217
rejected events	102447	98740	113079	116501	66820	62898		10%	11%	9%	9%	6%	6%
rejected %	79%	78%	81%	81%	54%	55%	grade 1 events	59	71	83	70	110	85
								0%	0%	0%	0%	0%	0%
							grade 2 events	5348	5750	5185	5127	20869	12544
								4%	4%	3%	3%	16%	10%
							grade 3 events	1952	1793	1801	1870	1970	4230
								1%	1%	1%	1%	1%	3%
							grade 4 events	1783	1774	1858	1867	1921	4212
								1%	1%	1%	1%	1%	3%
							grade 5 events	2612	2666	2423	2915	5609	7055
								2%	2%	1%	2%	4%	6%
							grade 6 events	4212	4546	4084	4084	24715	23391
								3%	3%	2%	2%	19%	20%
							grade 7 events	99604	95812	110373	113345	60715	55431
								77%	75%	79%	79%	49%	48%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012357	ACIS-012357
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	265.4493572549325
[deg] Pointing Dec	0	-24.31095119013838
[deg] Pointing Roll	0.0	69.50498535906837
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)	514553335.274329	514553335.274329
Observation start date	2014-04-22T11:28:55	2014-04-22T11:28:55
[s] Observation end time (MET)	514563332.964771	514563332.964771
Observation end date	2014-04-22T14:15:33	2014-04-22T14:15:32
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)	2014.04.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.411839348793

A.2 Comments