

V&V Reference Report

L2 ASCDS Version : 10.2.1

Observation 52952 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Mar 3 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

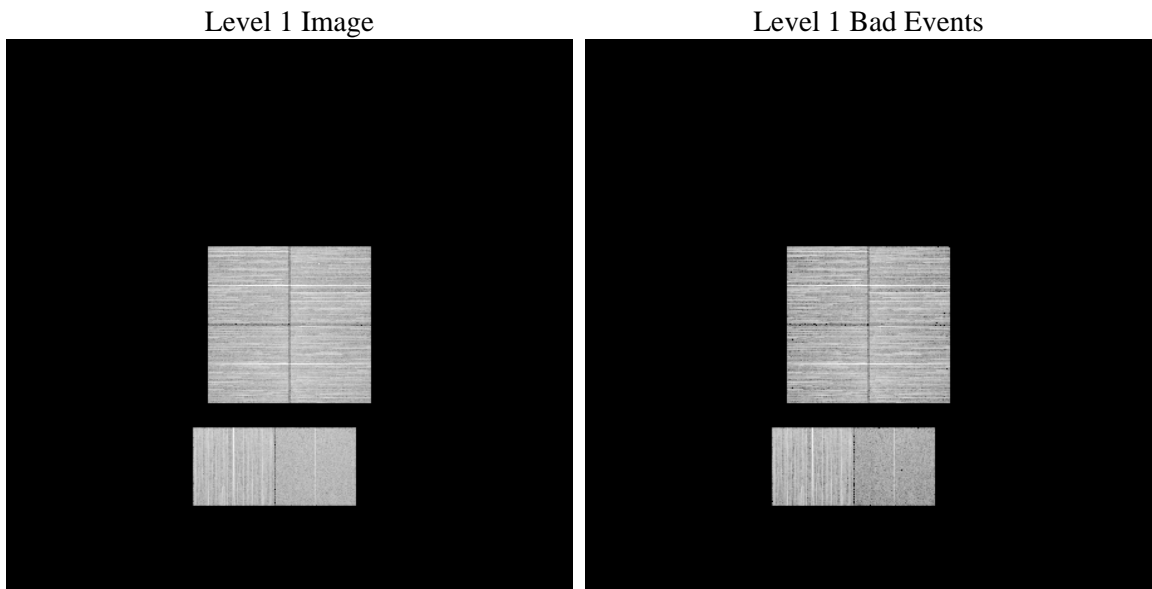
1 Front

seq_num	 	Sequence number
obs_id	52952	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	215.36714435418	Nominal RA [deg]
dec_nom	-5.2242036414486	Nominal Dec [deg]
roll_nom	70.335230294247	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8239.9999693632	Sum of GTIs [s]
livetime	8135.6601282188	Livetime [s]
ontime0	8149.2526548505	Sum of GTIs [s]
ontime1	8162.2168148756	Sum of GTIs [s]
ontime2	8162.2168148756	Sum of GTIs [s]
ontime3	8155.7348141074	Sum of GTIs [s]
ontime6	8155.7347348332	Sum of GTIs [s]
ontime7	8239.9999693632	Sum of GTIs [s]
l2events	180565	Number of level 2 events

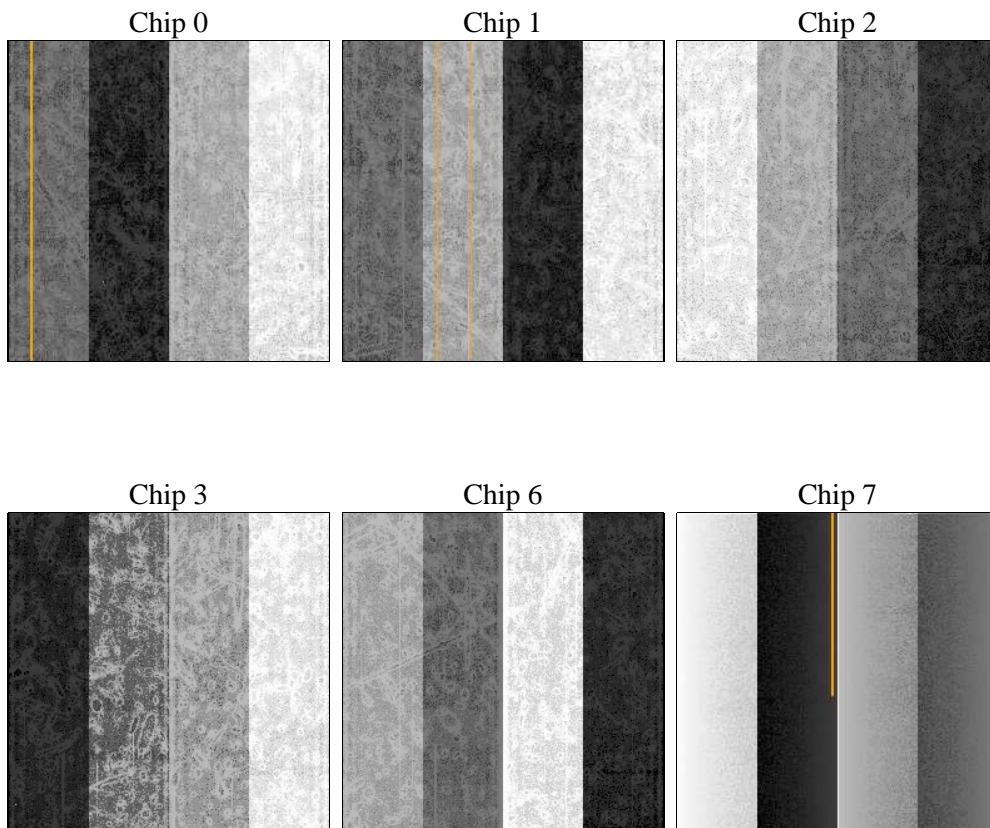
2 OBI

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	8239.9999693632	Sum of GTIs [s]
caldsver	4.6.0	 	ontime0	8149.2526548505	Sum of GTIs [s]
date	2014-03-03T17:58:54	Date and time of file creation	ontime1	8162.2168148756	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8162.2168148756	Sum of GTIs [s]
			ontime3	8155.7348141074	Sum of GTIs [s]
			ontime6	8155.7347348332	Sum of GTIs [s]
			ontime7	8239.9999693632	Sum of GTIs [s]
			l1events	775058	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	131545	134521	126606	134832	139039	108515	grade 0 events	13819	13468	14451	14721	13887	7131
rejected events	103776	106351	98575	106449	109882	58738		10%	10%	11%	10%	9%	6%
rejected %	78%	79%	77%	78%	79%	54%	grade 1 events	72	70	78	93	56	61
								0%	0%	0%	0%	0%	0%
							grade 2 events	5840	6464	5471	5636	6534	12407
								4%	4%	4%	4%	4%	11%
							grade 3 events	1936	1704	1971	1925	1785	4024
								1%	1%	1%	1%	1%	3%
							grade 4 events	1749	1824	1944	1914	1837	3821
								1%	1%	1%	1%	1%	3%
							grade 5 events	2468	2399	2237	2728	2544	6357
								1%	1%	1%	2%	1%	5%
							grade 6 events	4616	4893	4347	4364	5296	22734
								3%	3%	3%	3%	3%	20%
							grade 7 events	101045	103699	96107	103451	107100	51980
								76%	77%	75%	76%	77%	47%

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	215.3671443541797
[deg] Pointing Dec	0	-5.224203641448572
[deg] Pointing Roll	0.0	70.33523029424686
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)	510214639.185143	510214639.185143
Observation start date	2014-03-03T06:17:19	2014-03-03T06:17:19
[s] Observation end time (MET)	510224456.904714	510224456.904714
Observation end date	2014-03-03T09:00:57	2014-03-03T09:00:56
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)	2014.03.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2399999693632

A.2 Comments