

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 51157 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Mar 23 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

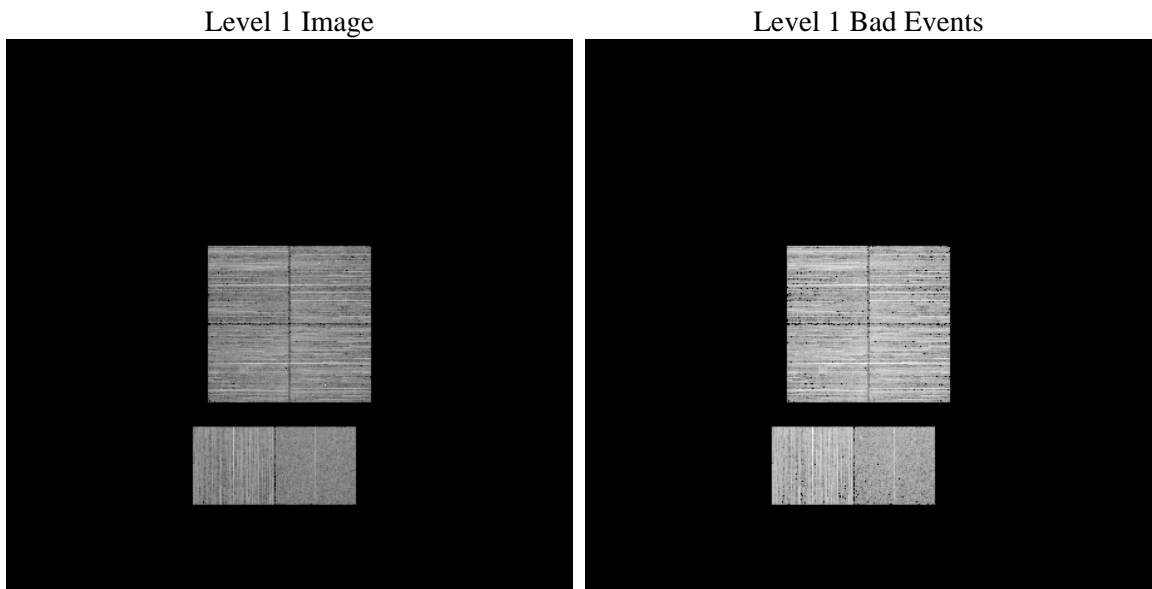
1 Front

seq_num	 	Sequence number
obs_id	51157	Observation id
title	ACIS-012367 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtycle	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	189.02121335674	Nominal RA [deg]
dec_nom	-24.478356545645	Nominal Dec [deg]
roll_nom	15.585875145378	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3432.6812820435	Sum of GTIs [s]
livetime	3389.2146047377	Livetime [s]
ontime0	3432.6402419806	Sum of GTIs [s]
ontime1	3432.5992020369	Sum of GTIs [s]
ontime2	3432.558161974	Sum of GTIs [s]
ontime3	3432.7223219872	Sum of GTIs [s]
ontime6	3432.5171220303	Sum of GTIs [s]
ontime7	3432.6812820435	Sum of GTIs [s]
l2events	64622	Number of level 2 events

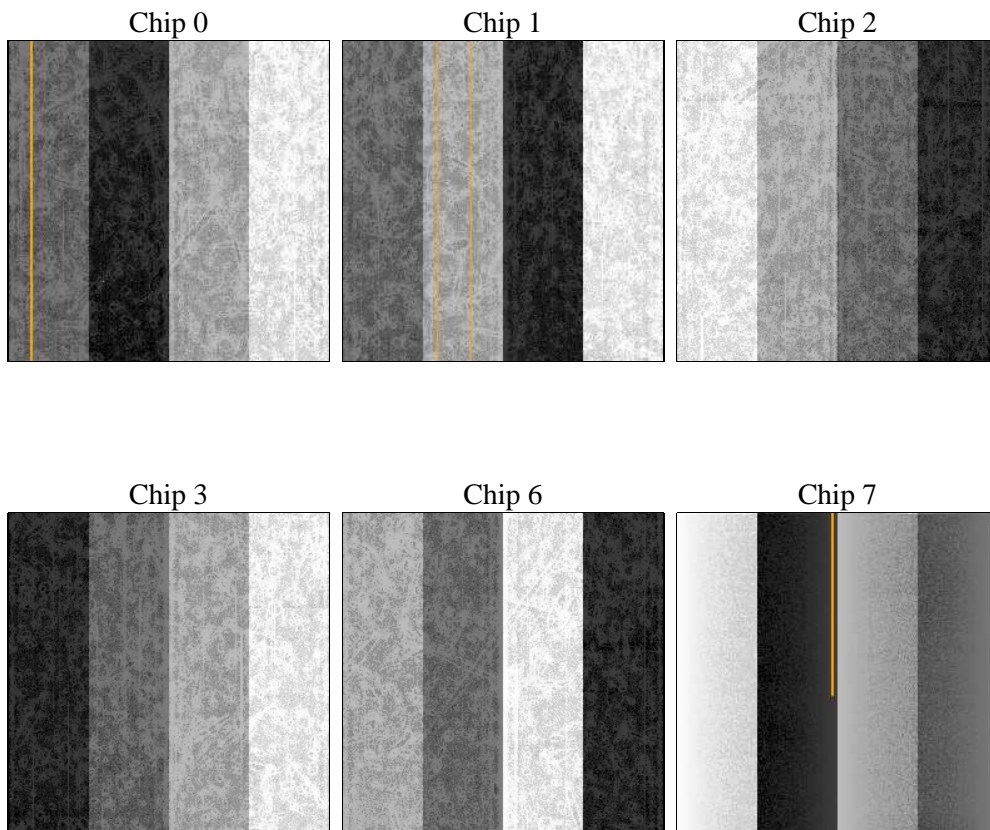
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	3432.6812820435	Sum of GTIs [s]
caldbver	4.7.1	 	ontime0	3432.6402419806	Sum of GTIs [s]
date	2016-03-23T14:35:11	Date and time of file creation	ontime1	3432.5992020369	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	3432.558161974	Sum of GTIs [s]
			ontime3	3432.7223219872	Sum of GTIs [s]
			ontime6	3432.5171220303	Sum of GTIs [s]
			ontime7	3432.6812820435	Sum of GTIs [s]
			l1events	432274	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	70311	72900	76033	82843	74655	55532
rejected events	60965	62713	66862	72278	65049	33903
rejected %	86%	86%	87%	87%	87%	61%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	4220	4522	4327	5501	4080	2357
	6%	6%	5%	6%	5%	4%
grade 1 events	26	26	35	30	22	48
	0%	0%	0%	0%	0%	0%
grade 2 events	2298	2545	1994	2032	2427	5323
	3%	3%	2%	2%	3%	9%
grade 3 events	607	607	679	682	561	1499
	0%	0%	0%	0%	0%	2%
grade 4 events	582	601	639	713	580	1486
	0%	0%	0%	0%	0%	2%
grade 5 events	1306	1269	1315	1438	1334	3309
	1%	1%	1%	1%	1%	5%
grade 6 events	1649	1927	1541	1645	1965	10977
	2%	2%	2%	1%	2%	19%
grade 7 events	59623	61403	65503	70802	63686	30533
	84%	84%	86%	85%	85%	54%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	189.0212133567374	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-24.47835654564513	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	15.58587514537832	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-0.7809083437167272			
[mm] SIM defocus	0.1037507710433287	0.7524282956875696			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	575111936.3429331	575111935.31793			
Observation start date	2016-03-23T09:18:56	2016-03-23T09:18:55			
[s] Observation end time (MET)	575117116.693229	575117115.6682301			
Observation end date	2016-03-23T10:45:17	2016-03-23T10:45:15			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2016.03.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.4326812820435

A.2 Comments