

V&V Reference Report

L2 ASCDS Version : 10.4

Observation 51783 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jul 3 2015

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

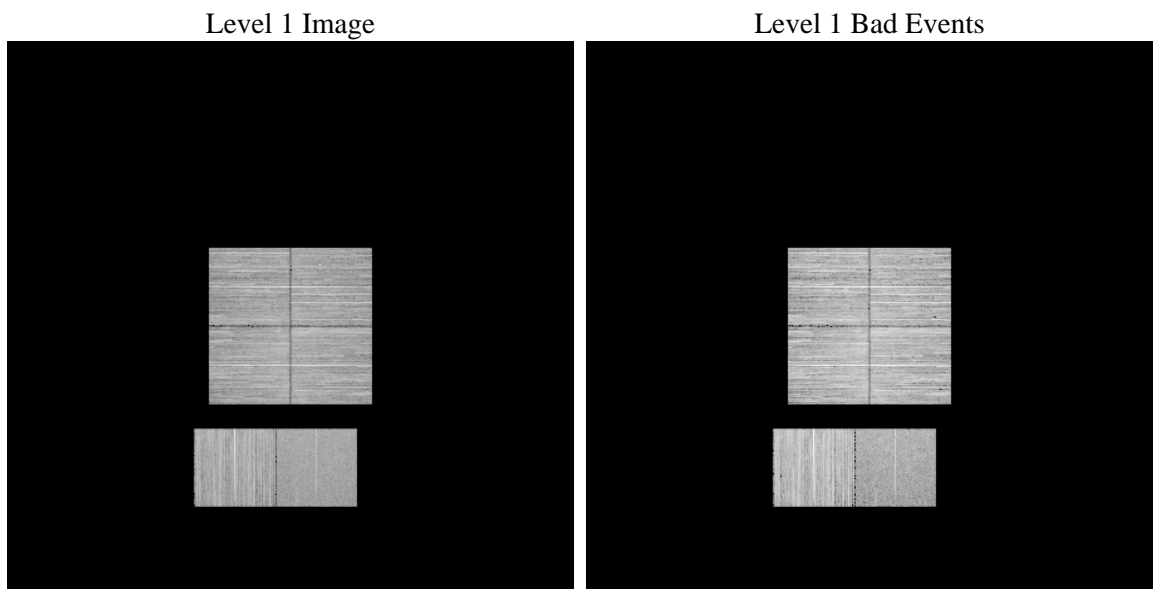
1 Front

seq_num	 	Sequence number
obs_id	51783	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	141.09802939267	Nominal RA [deg]
dec_nom	-3.9288152018828	Nominal Dec [deg]
roll_nom	233.35592546577	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8278.4001233578	Sum of GTIs [s]
livetime	8173.5740363417	Livetime [s]
ontime0	8181.1721984148	Sum of GTIs [s]
ontime1	8171.4490784407	Sum of GTIs [s]
ontime2	8174.6901681423	Sum of GTIs [s]
ontime3	8187.6542783976	Sum of GTIs [s]
ontime6	8184.4132384062	Sum of GTIs [s]
ontime7	8278.4001233578	Sum of GTIs [s]
l2events	147609	Number of level 2 events

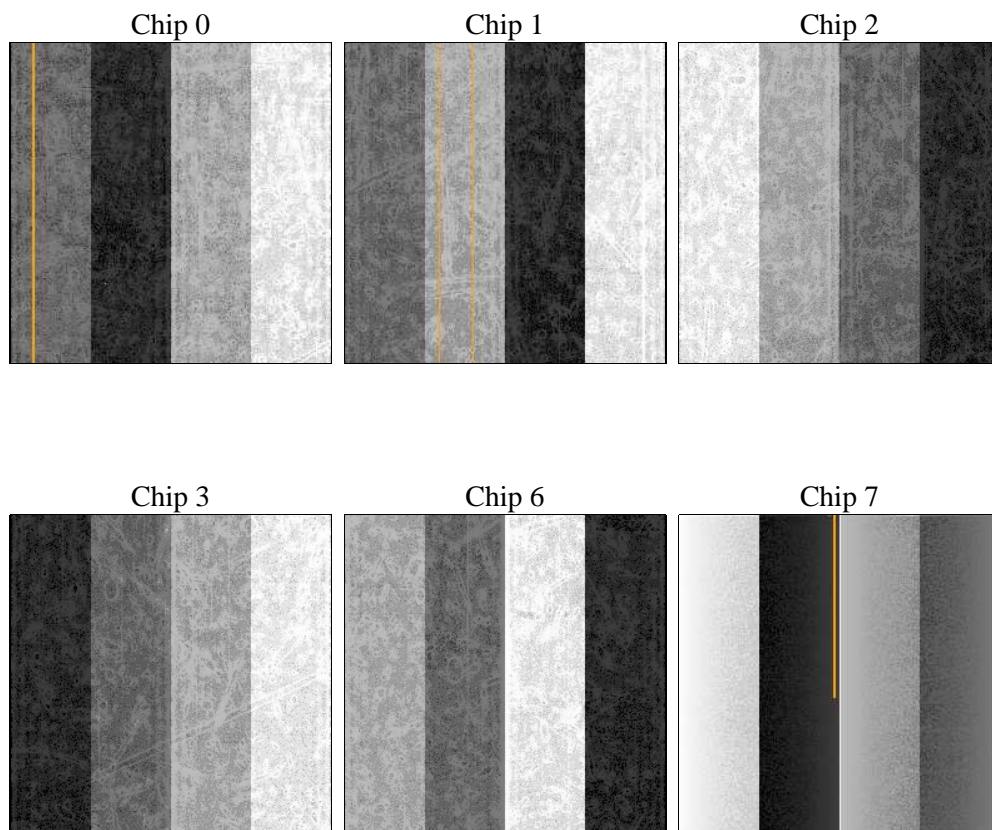
2 OBI

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	Processing system revision	ontime	8278.4001233578	Sum of GTIs [s]
caldsver	4.6.7	 	ontime0	8181.1721984148	Sum of GTIs [s]
date	2015-07-03T16:33:01	Date and time of file creation	ontime1	8171.4490784407	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8174.6901681423	Sum of GTIs [s]
			ontime3	8187.6542783976	Sum of GTIs [s]
			ontime6	8184.4132384062	Sum of GTIs [s]
			ontime7	8278.4001233578	Sum of GTIs [s]
			l1events	827752	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	134735	136796	144107	145944	149742	116428	grade 0 events	10849	10788	10693	10952	10680	6026
rejected events	112764	114453	122702	124109	127161	68008		8%	7%	7%	7%	7%	5%
rejected %	83%	83%	85%	85%	84%	58%	grade 1 events	69	55	68	63	66	93
								0%	0%	0%	0%	0%	0%
							grade 2 events	4573	4715	4309	4228	4821	11895
								3%	3%	2%	2%	3%	10%
							grade 3 events	1476	1482	1537	1557	1582	3819
								1%	1%	1%	1%	1%	3%
							grade 4 events	1471	1542	1526	1592	1497	3696
								1%	1%	1%	1%	0%	3%
							grade 5 events	2781	2766	2654	3048	2935	7564
								2%	2%	1%	2%	1%	6%
							grade 6 events	3602	3816	3340	3506	4001	22984
								2%	2%	2%	2%	2%	19%
							grade 7 events	109914	111632	119980	120998	124160	60351
								81%	81%	83%	82%	82%	51%

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	141.0980293926688	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-3.928815201882836	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	233.3559254657727	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-0.6828225247311905			
[mm] SIM defocus	0.1037507710433287	0.8505141146731063			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	552262804.474537	552262803.44954			
Observation start date	2015-07-02T22:20:04	2015-07-02T22:20:03			
[s] Observation end time (MET)	552272804.3751	552272803.3501			
Observation end date	2015-07-03T01:06:44	2015-07-03T01:06:43			
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)	2015.07.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2784001233578

A.2 Comments