

V&V Reference Report

L2 ASCDS Version : 10.4.1

Observation 51705 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Aug 4 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

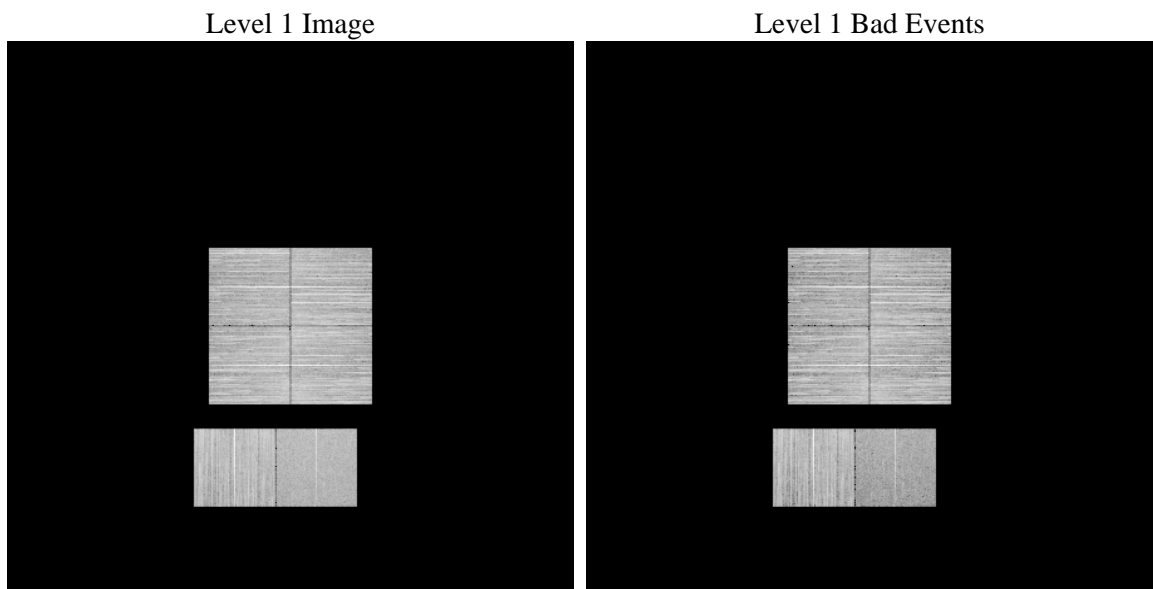
1 Front

seq_num	 	Sequence number
obs_id	51705	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	311.95095935316	Nominal RA [deg]
dec_nom	-46.387657937673	Nominal Dec [deg]
roll_nom	357.39581381548	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8444.8001258373	Sum of GTIs [s]
livetime	8337.8669817958	Livetime [s]
ontime0	8444.8001258373	Sum of GTIs [s]
ontime1	8444.8001258373	Sum of GTIs [s]
ontime2	8444.8001258373	Sum of GTIs [s]
ontime3	8444.8001258373	Sum of GTIs [s]
ontime6	8444.8001258373	Sum of GTIs [s]
ontime7	8444.8001258373	Sum of GTIs [s]
l2events	151782	Number of level 2 events

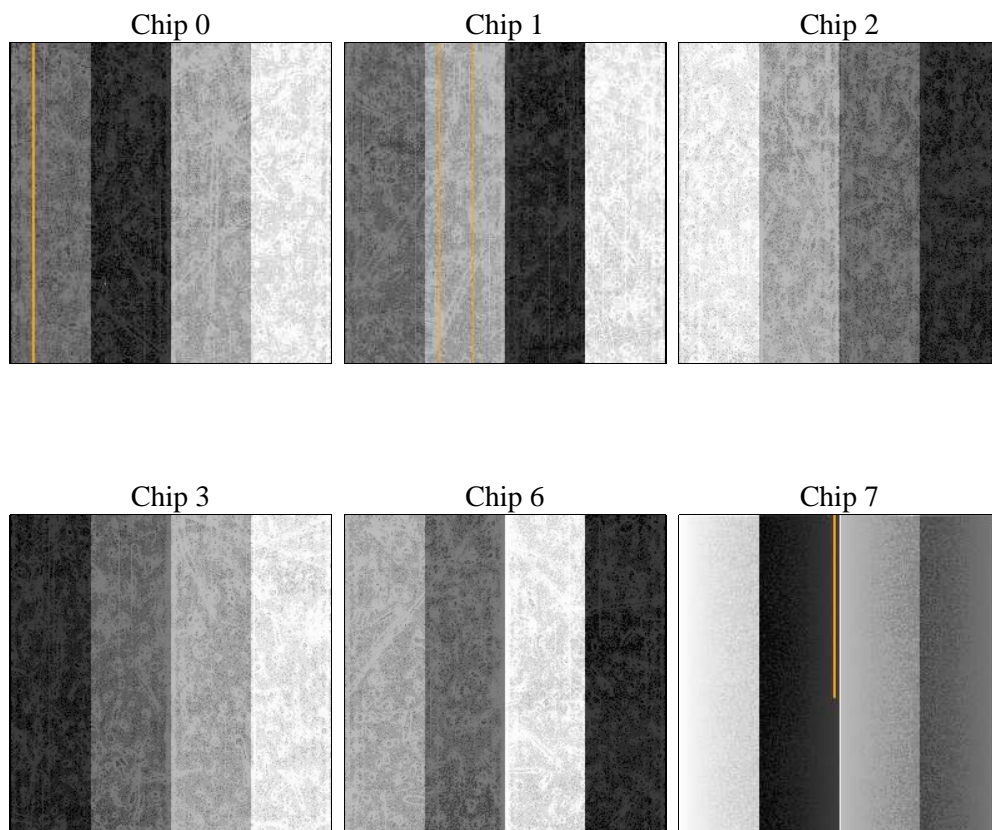
2 OBI

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	10.4.1	Processing system revision	ontime	8444.8001258373	Sum of GTIs [s]
caldbver	4.6.8	 	ontime0	8444.8001258373	Sum of GTIs [s]
date	2015-08-04T04:22:50	Date and time of file creation	ontime1	8444.8001258373	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8444.8001258373	Sum of GTIs [s]
			ontime3	8444.8001258373	Sum of GTIs [s]
			ontime6	8444.8001258373	Sum of GTIs [s]
			ontime7	8444.8001258373	Sum of GTIs [s]
			l1events	877054	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	136537	151826	153965	157083	154745	122898	grade 0 events	10629	10054	10850	10893	10607	5929
rejected events	114436	129855	132096	135133	131720	72399		7%	6%	7%	6%	6%	4%
rejected %	83%	85%	85%	86%	85%	58%	grade 1 events	77	54	64	60	45	86
								0%	0%	0%	0%	0%	0%
							grade 2 events	4672	5072	4448	4431	5119	12424
								3%	3%	2%	2%	3%	10%
							grade 3 events	1518	1480	1552	1566	1546	3842
								1%	0%	1%	0%	0%	3%
							grade 4 events	1558	1555	1535	1567	1579	3784
								1%	1%	0%	0%	1%	3%
							grade 5 events	3034	2966	2929	3369	3226	7776
								2%	1%	1%	2%	2%	6%
							grade 6 events	3724	3810	3484	3493	4174	24520
								2%	2%	2%	2%	2%	19%
							grade 7 events	111325	126835	129103	131704	128449	64537
								81%	83%	83%	83%	83%	52%

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	311.9509593531619
[deg] Pointing Dec	0	-46.38765793767305
[deg] Pointing Roll	0.0	357.3958138154831
[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)	555003773.5287679	555003772.50377
Observation start date	2015-08-03T15:42:54	2015-08-03T15:42:52
[s] Observation end time (MET)	555015788.579445	555015787.55444
Observation end date	2015-08-03T19:03:09	2015-08-03T19:03:07
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
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)	2015.08.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4448001258373

A.2 Comments