

V&V Reference Report

L2 ASCDS Version : 10.2.2

Observation 52684 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jun 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

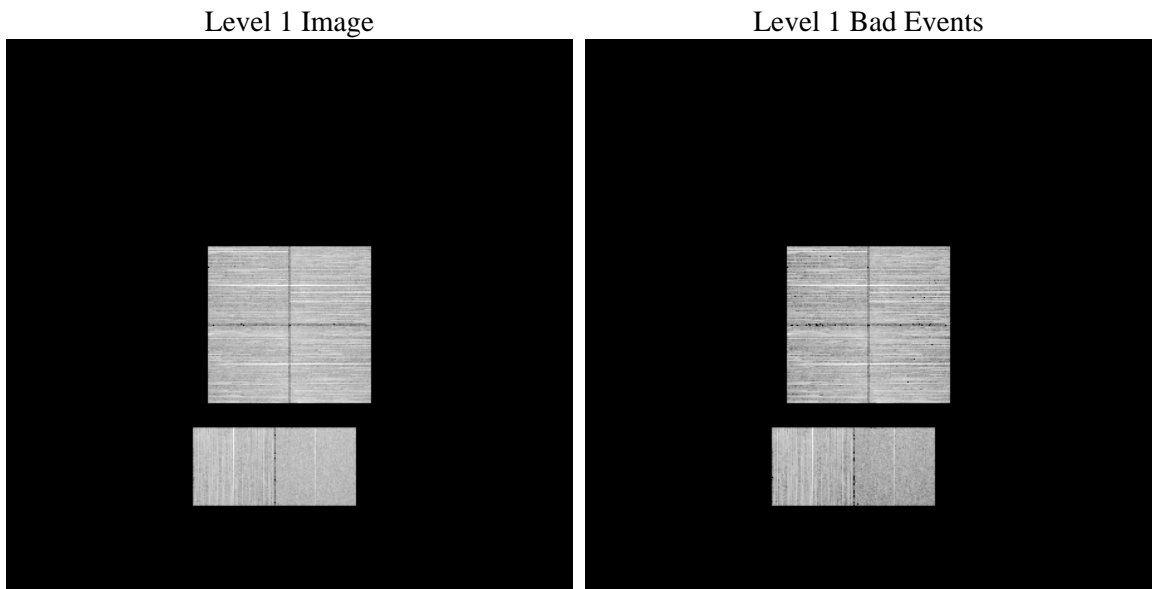
1 Front

seq_num	 	Sequence number
obs_id	52684	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	325.32242691319	Nominal RA [deg]
dec_nom	-36.837582162005	Nominal Dec [deg]
roll_nom	57.29151062597	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8293.5600794554	Sum of GTIs [s]
livetime	8188.542027947	Livetime [s]
ontime0	8293.5190394521	Sum of GTIs [s]
ontime1	8293.4779994488	Sum of GTIs [s]
ontime2	8293.4369594455	Sum of GTIs [s]
ontime3	8293.6011194587	Sum of GTIs [s]
ontime6	8293.3959194422	Sum of GTIs [s]
ontime7	8293.5600794554	Sum of GTIs [s]
l2events	168980	Number of level 2 events

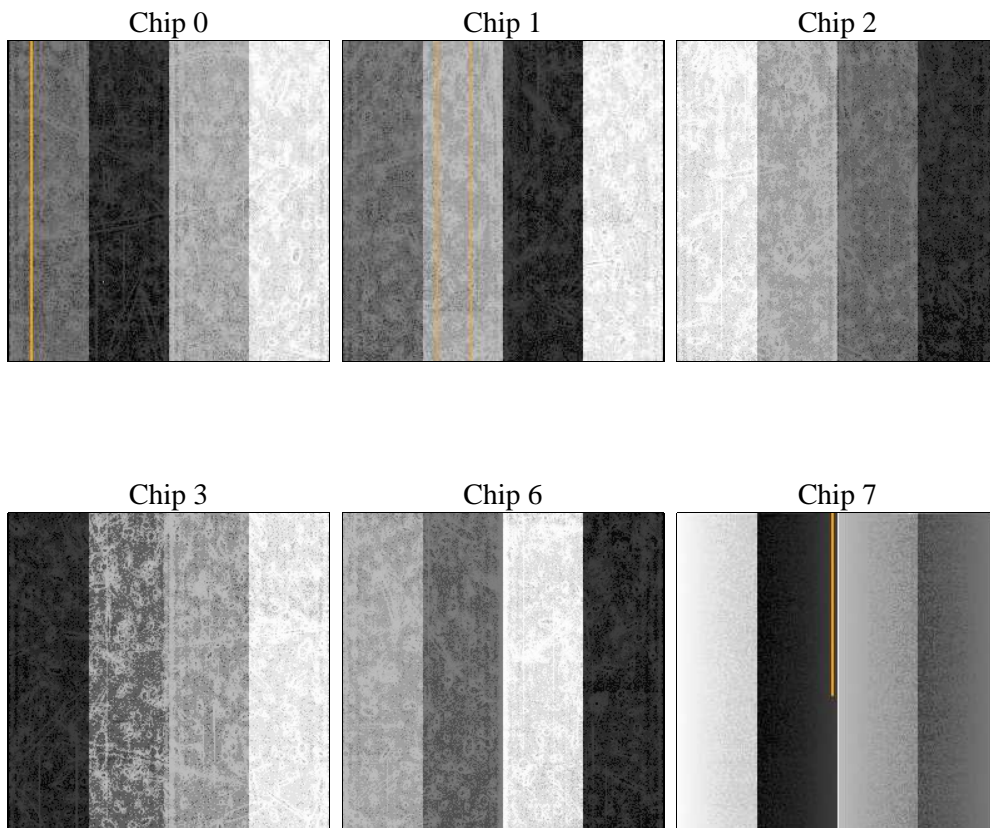
2 OBI

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	10.2.2	Processing system revision	ontime	8293.5600794554	Sum of GTIs [s]
caldsver	4.6.1	 	ontime0	8293.5190394521	Sum of GTIs [s]
date	2014-06-22T21:10:33	Date and time of file creation	ontime1	8293.4779994488	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8293.4369594455	Sum of GTIs [s]
			ontime3	8293.6011194587	Sum of GTIs [s]
			ontime6	8293.3959194422	Sum of GTIs [s]
			ontime7	8293.5600794554	Sum of GTIs [s]
			l1events	785098	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	126199	142410	129547	141370	131572	114000	grade 0 events	13151	13055	13380	13468	13355	7036
rejected events	100730	116318	103871	115612	104867	64548		10%	9%	10%	9%	10%	6%
rejected %	79%	81%	80%	81%	79%	56%	grade 1 events	49	60	71	72	49	72
								0%	0%	0%	0%	0%	0%
							grade 2 events	5257	5613	5080	4986	5427	12360
								4%	3%	3%	3%	4%	10%
							grade 3 events	1810	1787	1802	1874	1888	4025
								1%	1%	1%	1%	1%	3%
							grade 4 events	1725	1812	1880	1860	1767	4121
								1%	1%	1%	1%	1%	3%
							grade 5 events	2819	2742	2562	3018	2839	6961
								2%	1%	1%	2%	2%	6%
							grade 6 events	4078	4373	4045	4099	4804	22978
								3%	3%	3%	2%	3%	20%
							grade 7 events	97310	112968	100727	111993	101443	56447
								77%	79%	77%	79%	77%	49%

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	325.3224269131939
[deg] Pointing Dec	0	-36.83758216200507
[deg] Pointing Roll	0.0	57.29151062596971
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)	519809484.314724	519809484.314724
Observation start date	2014-06-22T07:31:24	2014-06-22T07:31:24
[s] Observation end time (MET)	519819481.923437	519819481.923437
Observation end date	2014-06-22T10:18:02	2014-06-22T10:18:01
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)	2014.06.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2935600794554

A.2 Comments