

V&V Reference Report

L2 ASCDS Version : 10.3.3

Observation 51994 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Mar 27 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

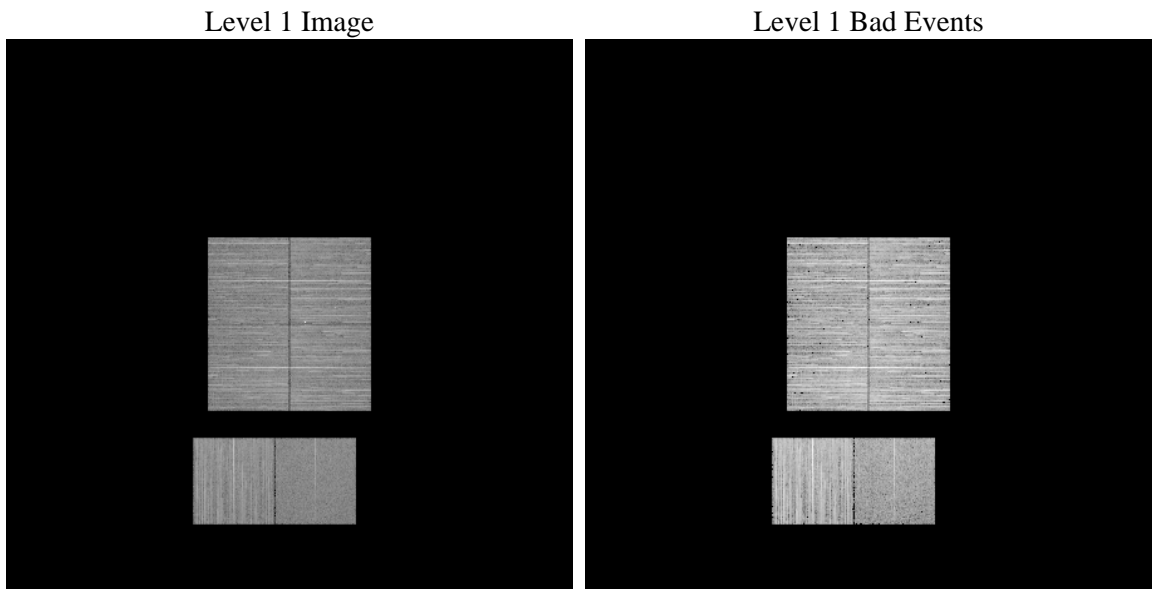
1 Front

seq_num	 	Sequence number
obs_id	51994	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	191.67947362748	Nominal RA [deg]
dec_nom	21.54397855559	Nominal Dec [deg]
roll_nom	164.80675849751	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5357.4610404968	Sum of GTIs [s]
livetime	5289.6216429263	Livetime [s]
ontime0	5357.4610100985	Sum of GTIs [s]
ontime1	5357.4610100985	Sum of GTIs [s]
ontime2	5358.5586721897	Sum of GTIs [s]
ontime3	5357.4610100985	Sum of GTIs [s]
ontime6	5358.517632246	Sum of GTIs [s]
ontime7	5357.4610404968	Sum of GTIs [s]
l2events	233904	Number of level 2 events

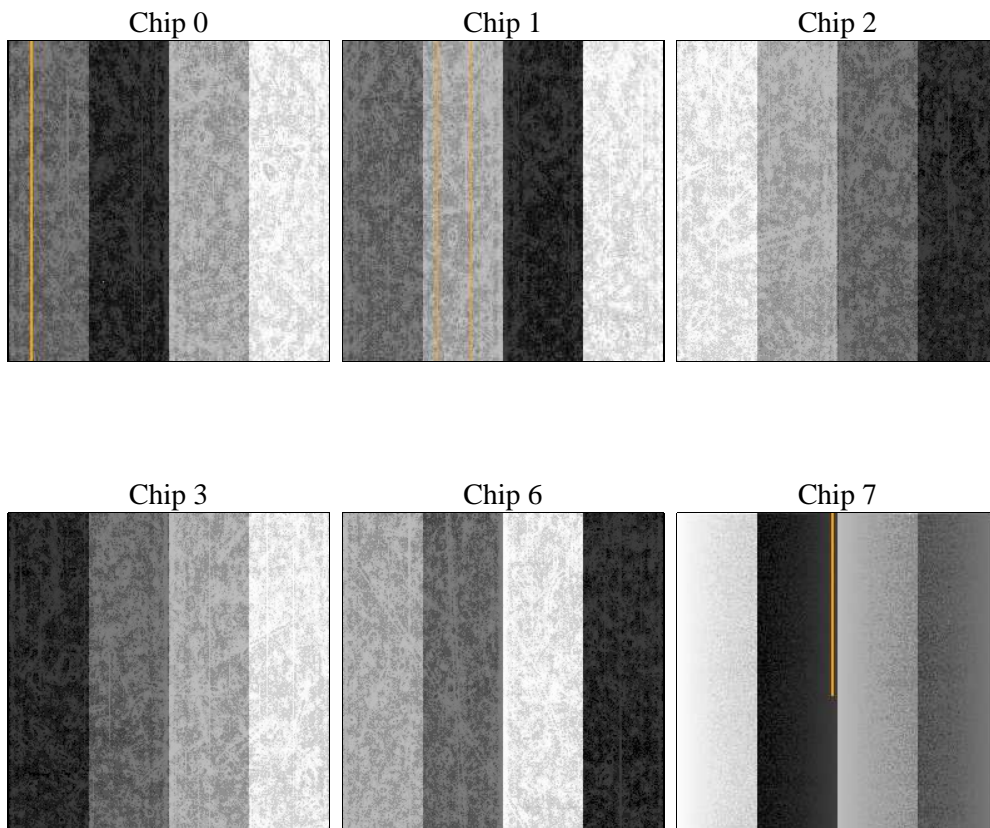
2 OBI

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	10.3.3	Processing system revision	ontime	5357.4610404968	Sum of GTIs [s]
caldsver	4.6.7	 	ontime0	5357.4610100985	Sum of GTIs [s]
date	2015-03-27T17:20:33	Date and time of file creation	ontime1	5357.4610100985	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	5358.5586721897	Sum of GTIs [s]
			ontime3	5357.4610100985	Sum of GTIs [s]
			ontime6	5358.517632246	Sum of GTIs [s]
			ontime7	5357.4610404968	Sum of GTIs [s]
			l1events	692787	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	107673	124210	119022	124240	124507	93135	grade 0 events	17916	18031	18728	18797	17313	8385
rejected events	68882	82768	80712	84817	83059	43791		16%	14%	15%	15%	13%	9%
rejected %	63%	66%	67%	68%	66%	47%	grade 1 events	95	92	111	101	88	46
								0%	0%	0%	0%	0%	0%
							grade 2 events	8587	10627	7654	8054	10147	13124
								7%	8%	6%	6%	8%	14%
							grade 3 events	2214	2078	2272	2384	2083	3373
								2%	1%	1%	1%	1%	3%
							grade 4 events	2161	2092	2199	2388	2110	3145
								2%	1%	1%	1%	1%	3%
							grade 5 events	1743	1793	1702	2010	1838	4327
								1%	1%	1%	1%	1%	4%
							grade 6 events	7913	8614	7465	7800	9805	21317
								7%	6%	6%	6%	7%	22%
							grade 7 events	67044	80883	78891	82706	81123	39418
								62%	65%	66%	66%	65%	42%

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	191.6794736274765
[deg] Pointing Dec	0	21.54397855558974
[deg] Pointing Roll	0.0	164.8067584975147
[mm] SIM focus pos	-1.429586	-1.428180813131781
[mm] SIM defocus	0.1037507710433287	0.1051558262725154
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	543806193.20016	543806192.1751601
Observation start date	2015-03-27T01:16:33	2015-03-27T01:16:32
[s] Observation end time (MET)	543814606.400631	543814605.37563
Observation end date	2015-03-27T03:36:46	2015-03-27T03:36:45
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)	2015.03.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.3574610404968

A.2 Comments