

V&V Reference Report

L2 ASCDS Version : 10.2.1

Observation 52917 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Mar 19 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

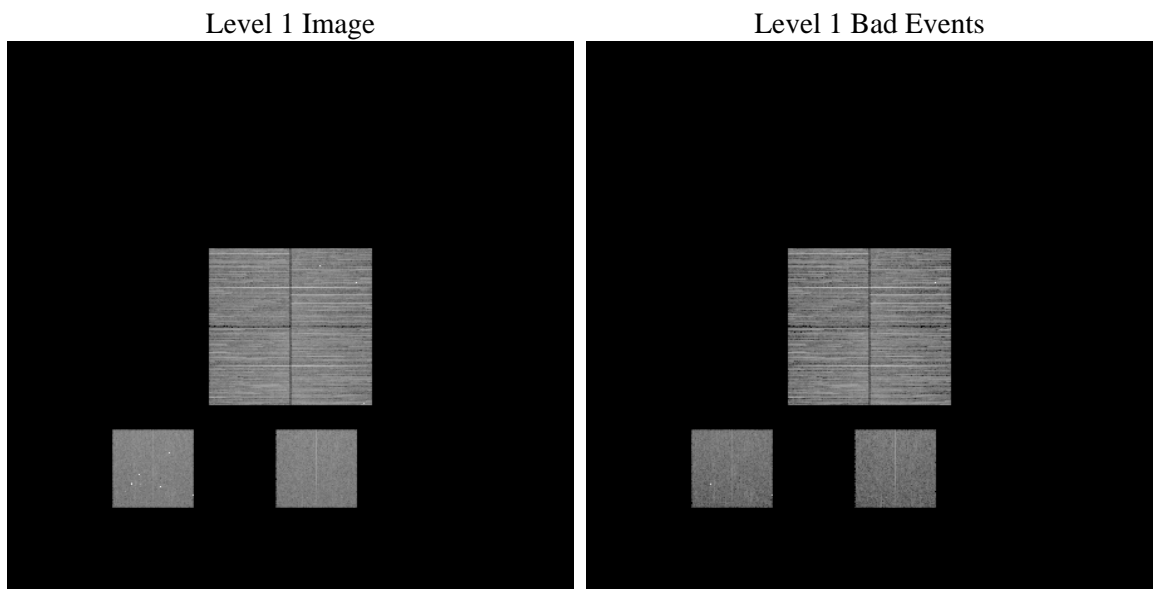
1 Front

seq_num	 	Sequence number
obs_id	52917	Observation id
title	ACIS-012357 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	178.91941988899	Nominal RA [deg]
dec_nom	26.955185622548	Nominal Dec [deg]
roll_nom	177.8579211595	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8284.7999691963	Sum of GTIs [s]
livetime	8179.8928434787	Livetime [s]
ontime0	8284.7999691963	Sum of GTIs [s]
ontime1	8284.7999691963	Sum of GTIs [s]
ontime2	8284.7999691963	Sum of GTIs [s]
ontime3	8284.7999691963	Sum of GTIs [s]
ontime5	8284.7999691963	Sum of GTIs [s]
ontime7	8284.7999691963	Sum of GTIs [s]
l2events	201502	Number of level 2 events

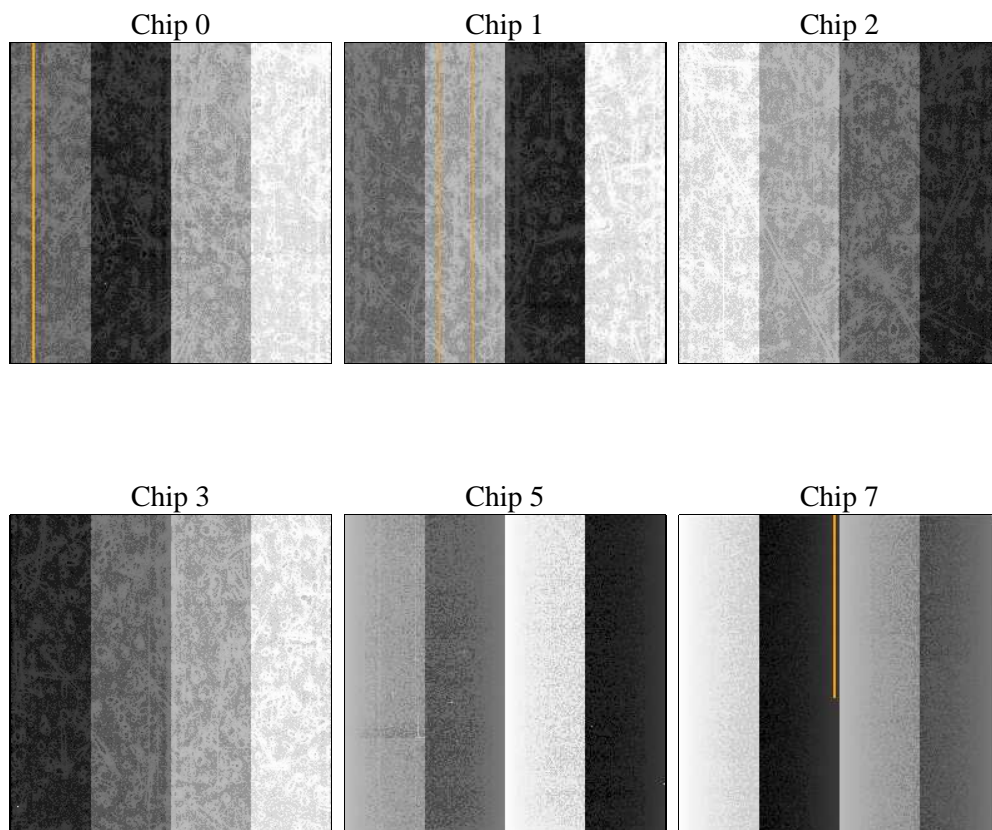
2 OBI

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	10.2.1	Processing system revision	ontime	8284.7999691963	Sum of GTIs [s]
caldsver	4.6.0	 	ontime0	8284.7999691963	Sum of GTIs [s]
date	2014-03-19T14:08:14	Date and time of file creation	ontime1	8284.7999691963	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8284.7999691963	Sum of GTIs [s]
			ontime3	8284.7999691963	Sum of GTIs [s]
			ontime5	8284.7999691963	Sum of GTIs [s]
			ontime7	8284.7999691963	Sum of GTIs [s]
			l1events	836627	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	139366	147544	149212	151187	132335	116983	grade 0 events	13251	14774	13984	14536	12252	6778
rejected events	112857	118410	122102	123288	70152	66018		9%	10%	9%	9%	9%	5%
rejected %	80%	80%	81%	81%	53%	56%	grade 1 events	67	2570	78	69	363	86
								0%	1%	0%	0%	0%	0%
							grade 2 events	5508	6182	5268	5473	20483	12765
								3%	4%	3%	3%	15%	10%
							grade 3 events	1748	1813	1849	1922	1989	3954
								1%	1%	1%	1%	1%	3%
							grade 4 events	1724	1834	1856	1854	1784	3913
								1%	1%	1%	1%	1%	3%
							grade 5 events	2704	2684	2580	3028	5932	7074
								1%	1%	1%	2%	4%	6%
							grade 6 events	4278	4531	4153	4114	25675	23555
								3%	3%	2%	2%	19%	20%
							grade 7 events	110086	113156	119444	120191	63857	58858
								78%	76%	80%	79%	48%	50%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012357	ACIS-012357	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	178.9194198889938	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	26.95518562254839	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	177.857921159503	[s] Primary exposure time	3.2	3.2
[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)	511547924.408592	511547923.38359			
Observation start date	2014-03-18T16:38:44	2014-03-18T16:38:43			
[s] Observation end time (MET)	511557893.559141	511557892.53414			
Observation end date	2014-03-18T19:24:54	2014-03-18T19:24:52			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2014.03.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2847999691963

A.2 Comments