

V&V Reference Report

L2 ASCDS Version : 10.2.2

Observation 52737 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jun 1 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

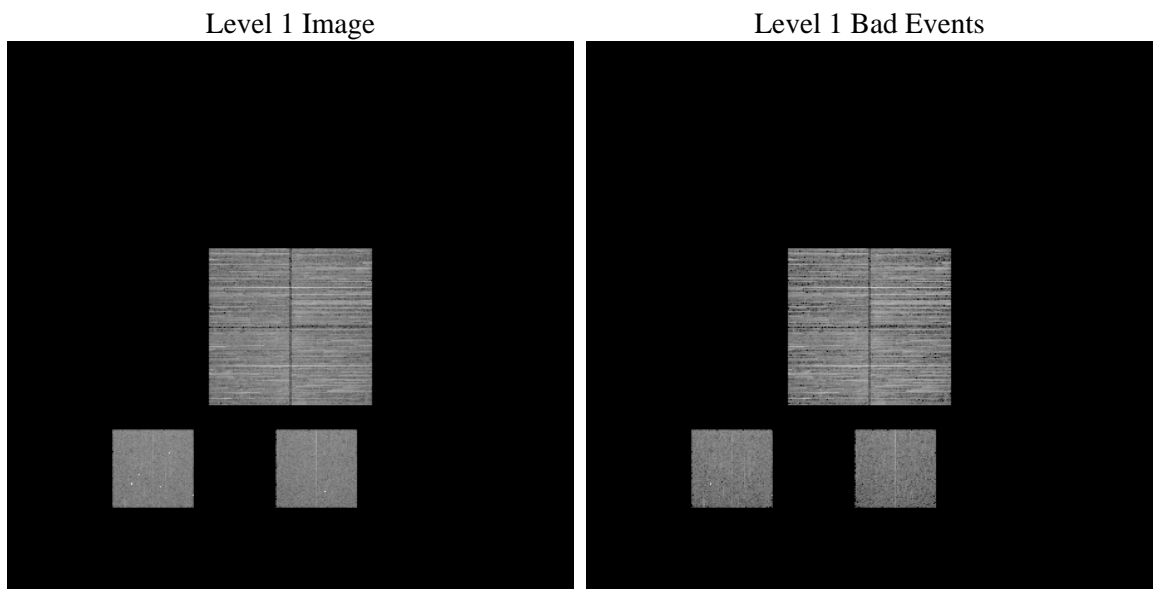
1 Front

seq_num	 	Sequence number
obs_id	52737	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	222.66914501509	Nominal RA [deg]
dec_nom	-15.613947370386	Nominal Dec [deg]
roll_nom	251.49219947219	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5251.1999804974	Sum of GTIs [s]
livetime	5184.7061244513	Livetime [s]
ontime0	5251.1999804974	Sum of GTIs [s]
ontime1	5251.1999804974	Sum of GTIs [s]
ontime2	5251.1999804974	Sum of GTIs [s]
ontime3	5251.1999804974	Sum of GTIs [s]
ontime5	5251.1999804974	Sum of GTIs [s]
ontime7	5251.1999804974	Sum of GTIs [s]
l2events	125917	Number of level 2 events

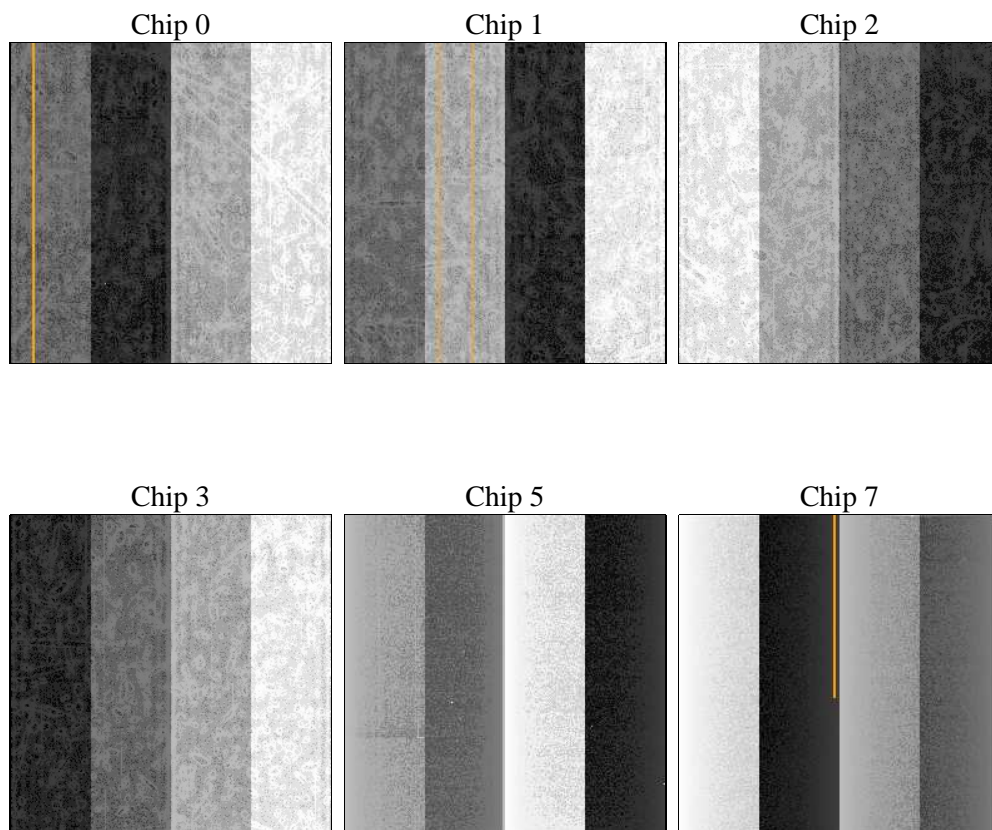
2 OBI

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	5251.1999804974	Sum of GTIs [s]
caldsver	4.6.1	 	ontime0	5251.1999804974	Sum of GTIs [s]
date	2014-06-01T18:48:08	Date and time of file creation	ontime1	5251.1999804974	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	5251.1999804974	Sum of GTIs [s]
			ontime3	5251.1999804974	Sum of GTIs [s]
			ontime5	5251.1999804974	Sum of GTIs [s]
			ontime7	5251.1999804974	Sum of GTIs [s]
			l1events	522844	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	83834	97864	90529	93510	81799	75308	grade 0 events	8469	8169	8693	8611	4941	4473
rejected events	67331	81271	74129	76881	45757	41422		10%	8%	9%	9%	6%	5%
rejected %	80%	83%	81%	82%	55%	55%	grade 1 events	48	40	55	42	126	47
								0%	0%	0%	0%	0%	0%
							grade 2 events	3334	3540	3206	3243	12940	8034
								3%	3%	3%	3%	15%	10%
							grade 3 events	1135	1163	1098	1149	1219	3669
								1%	1%	1%	1%	1%	4%
							grade 4 events	1118	1165	1202	1269	1262	3351
								1%	1%	1%	1%	1%	4%
							grade 5 events	1649	1782	1603	1927	3981	4606
								1%	1%	1%	2%	4%	6%
							grade 6 events	2692	2824	2462	2616	16220	14854
								3%	2%	2%	2%	19%	19%
							grade 7 events	65389	79181	72210	74653	41110	36274
								77%	80%	79%	79%	50%	48%

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	222.6691450150871	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-15.61394737038621	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	251.4921994721927	[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)	517982823.513692	517982822.48869			
Observation start date	2014-06-01T04:07:04	2014-06-01T04:07:02			
[s] Observation end time (MET)	517989859.11408	517989858.08908			
Observation end date	2014-06-01T06:04:19	2014-06-01T06:04:18			
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)	2014.06.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.2511999804974

A.2 Comments