

V&V Reference Report

L2 ASCDS Version : 10

Observation 53436 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Aug 30 2013

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

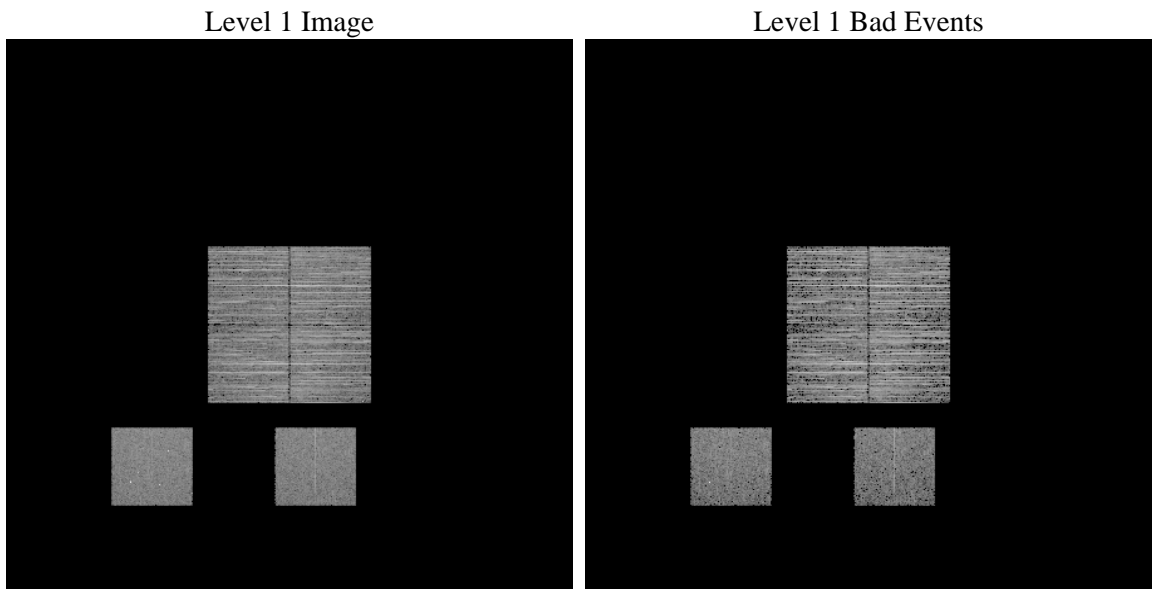
1 Front

seq_num	 	Sequence number
obs_id	53436	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	344.84910502626	Nominal RA [deg]
dec_nom	-33.702627762152	Nominal Dec [deg]
roll_nom	15.031730202051	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3286.3999878168	Sum of GTIs [s]
livetime	3244.7856123386	Livetime [s]
ontime0	3286.3999878168	Sum of GTIs [s]
ontime1	3286.3999878168	Sum of GTIs [s]
ontime2	3286.3999878168	Sum of GTIs [s]
ontime3	3286.3999878168	Sum of GTIs [s]
ontime5	3286.3999878168	Sum of GTIs [s]
ontime7	3286.3999878168	Sum of GTIs [s]
l2events	88419	Number of level 2 events

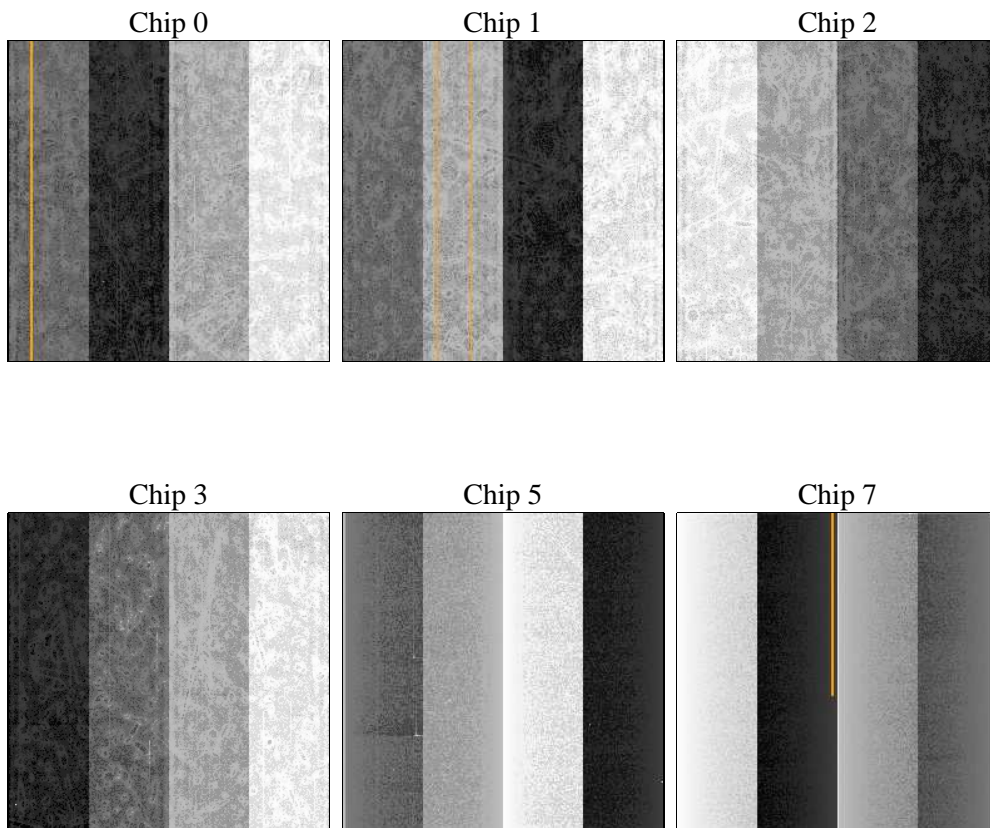
2 OBI

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	10.0.1	Processing system revision	ontime	3286.3999878168	Sum of GTIs [s]
caldbver	4.5.8	 	ontime0	3286.3999878168	Sum of GTIs [s]
date	2013-08-30T16:31:50	Date and time of file creation	ontime1	3286.3999878168	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	3286.3999878168	Sum of GTIs [s]
			ontime3	3286.3999878168	Sum of GTIs [s]
			ontime5	3286.3999878168	Sum of GTIs [s]
			ontime7	3286.3999878168	Sum of GTIs [s]
			l1events	335206	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	55103	61582	56943	62729	51929	46920	grade 0 events	6041	5977	6196	6615	2935	3194
rejected events	43232	49450	44934	50412	28069	25129		10%	9%	10%	10%	5%	6%
rejected %	78%	80%	78%	80%	54%	53%	grade 1 events	32	29	34	35	58	41
								0%	0%	0%	0%	0%	0%
							grade 2 events	2353	2585	2255	2305	8803	5337
								4%	4%	3%	3%	16%	11%
							grade 3 events	834	751	874	806	853	1860
								1%	1%	1%	1%	1%	3%
							grade 4 events	765	881	878	820	797	1720
								1%	1%	1%	1%	1%	3%
							grade 5 events	1100	1058	1054	1278	2650	2902
								1%	1%	1%	2%	5%	6%
							grade 6 events	1887	1953	1817	1785	10493	9693
								3%	3%	3%	2%	20%	20%
							grade 7 events	42091	48348	43835	49085	25340	22173
								76%	78%	76%	78%	48%	47%

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	344.8491050262629	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-33.70262776215173	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	15.03173020205111	[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)	494213305.907755	494213304.88275			
Observation start date	2013-08-30T01:28:26	2013-08-30T01:28:24			
[s] Observation end time (MET)	494220856.058167	494220855.03317			
Observation end date	2013-08-30T03:34:16	2013-08-30T03:34:15			
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)	2013.08.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2863999878168

A.2 Comments