

V&V Reference Report

L2 ASCDS Version : 10

Observation 53638 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jun 12 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

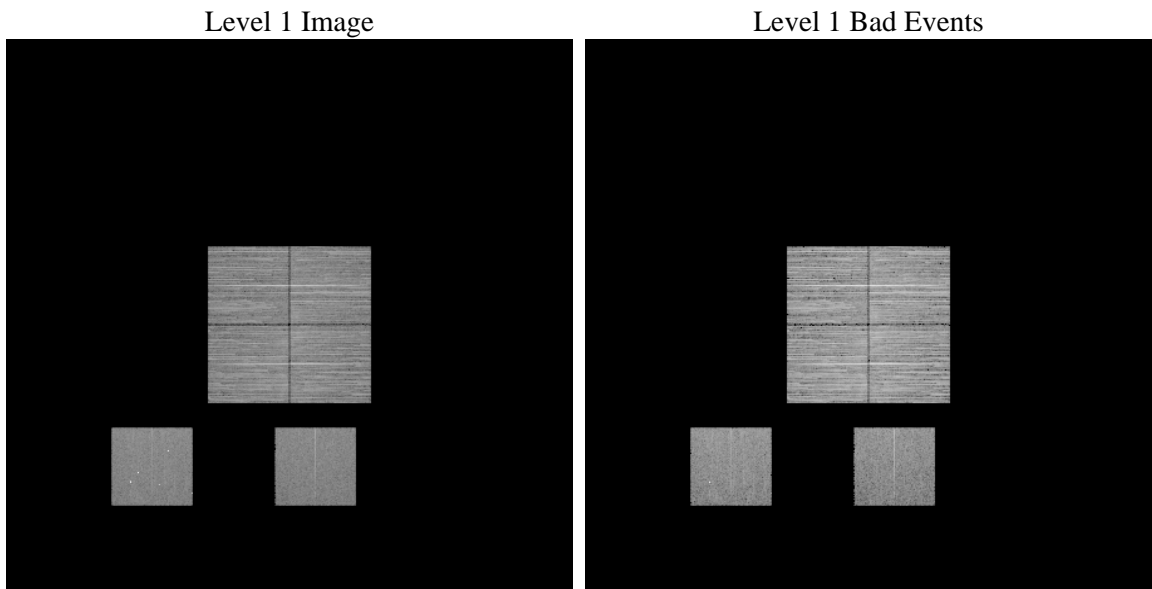
1 Front

seq_num	 	Sequence number
obs_id	53638	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	229.00615913633	Nominal RA [deg]
dec_nom	-23.58215652987	Nominal Dec [deg]
roll_nom	264.69469829988	Nominal Roll [deg]
revision	1	Processing version of data
ontime	7747.199971199	Sum of GTIs [s]
livetime	7649.1002603599	Livetime [s]
ontime0	7747.199971199	Sum of GTIs [s]
ontime1	7747.199971199	Sum of GTIs [s]
ontime2	7747.199971199	Sum of GTIs [s]
ontime3	7747.199971199	Sum of GTIs [s]
ontime5	7747.199971199	Sum of GTIs [s]
ontime7	7747.199971199	Sum of GTIs [s]
l2events	214652	Number of level 2 events

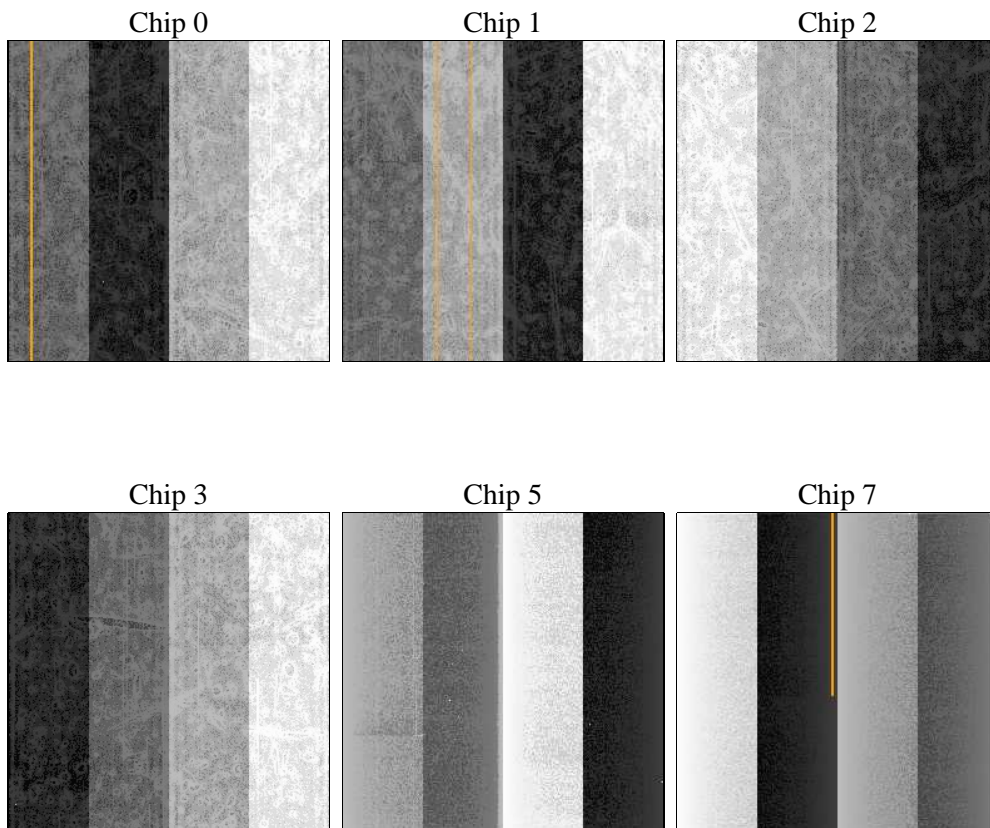
2 OBI

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	Processing system revision	ontime	7747.199971199	Sum of GTIs [s]
caldsver	4.5.6	 	ontime0	7747.199971199	Sum of GTIs [s]
date	2013-06-12T06:34:06	Date and time of file creation	ontime1	7747.199971199	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	7747.199971199	Sum of GTIs [s]
			ontime3	7747.199971199	Sum of GTIs [s]
			ontime5	7747.199971199	Sum of GTIs [s]
			ontime7	7747.199971199	Sum of GTIs [s]
			l1events	810140	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	135590	146235	146113	146561	124473	111168	grade 0 events	15112	14953	15465	15622	9628	7901
rejected events	106227	116144	116498	116707	64696	58671		11%	10%	10%	10%	7%	7%
rejected %	78%	79%	79%	79%	51%	52%	grade 1 events	71	73	90	90	125	72
								0%	0%	0%	0%	0%	0%
							grade 2 events	5835	6182	5692	5740	21407	12719
								4%	4%	3%	3%	17%	11%
							grade 3 events	1983	2052	2060	2063	2106	4413
								1%	1%	1%	1%	1%	3%
							grade 4 events	1909	2004	1984	2044	2108	4206
								1%	1%	1%	1%	1%	3%
							grade 5 events	2523	2636	2282	2893	5879	6596
								1%	1%	1%	1%	4%	5%
							grade 6 events	4534	4915	4425	4385	24551	23258
								3%	3%	3%	2%	19%	20%
							grade 7 events	103623	113420	114115	113724	58669	52003
								76%	77%	78%	77%	47%	46%

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	229.0061591363274	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-23.58215652987039	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	264.6946982998769	[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)	487358134.234644	487358133.20964			
Observation start date	2013-06-11T17:15:34	2013-06-11T17:15:33			
[s] Observation end time (MET)	487369511.735262	487369510.71026			
Observation end date	2013-06-11T20:25:12	2013-06-11T20:25:10			
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)	2013.06.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.747199971199

A.2 Comments