

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 56411 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jun 22 2012

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

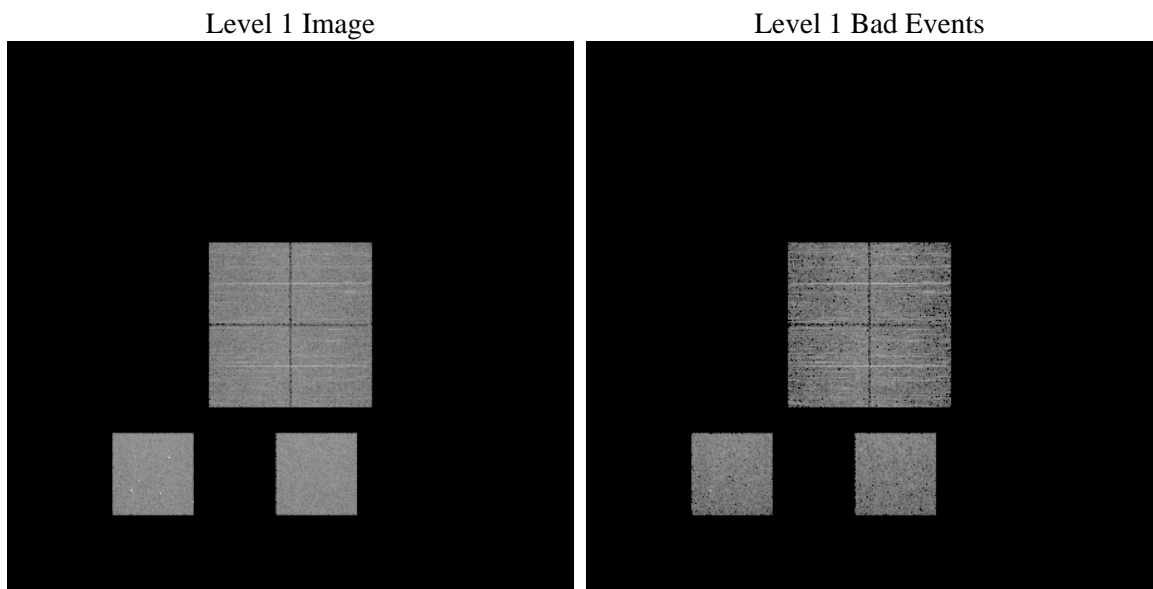
1 Front

seq_num	 	Sequence number
obs_id	56411	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	172.96880299348	Nominal RA [deg]
dec_nom	29.390957017686	Nominal Dec [deg]
roll_nom	165.53766661686	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3276.7999878526	Sum of GTIs [s]
livetime	3235.3071733543	Livetime [s]
ontime0	3276.7999878526	Sum of GTIs [s]
ontime1	3276.7999878526	Sum of GTIs [s]
ontime2	3276.7999878526	Sum of GTIs [s]
ontime3	3276.7999878526	Sum of GTIs [s]
ontime5	3276.7999878526	Sum of GTIs [s]
ontime7	3276.7999878526	Sum of GTIs [s]
l2events	179535	Number of level 2 events

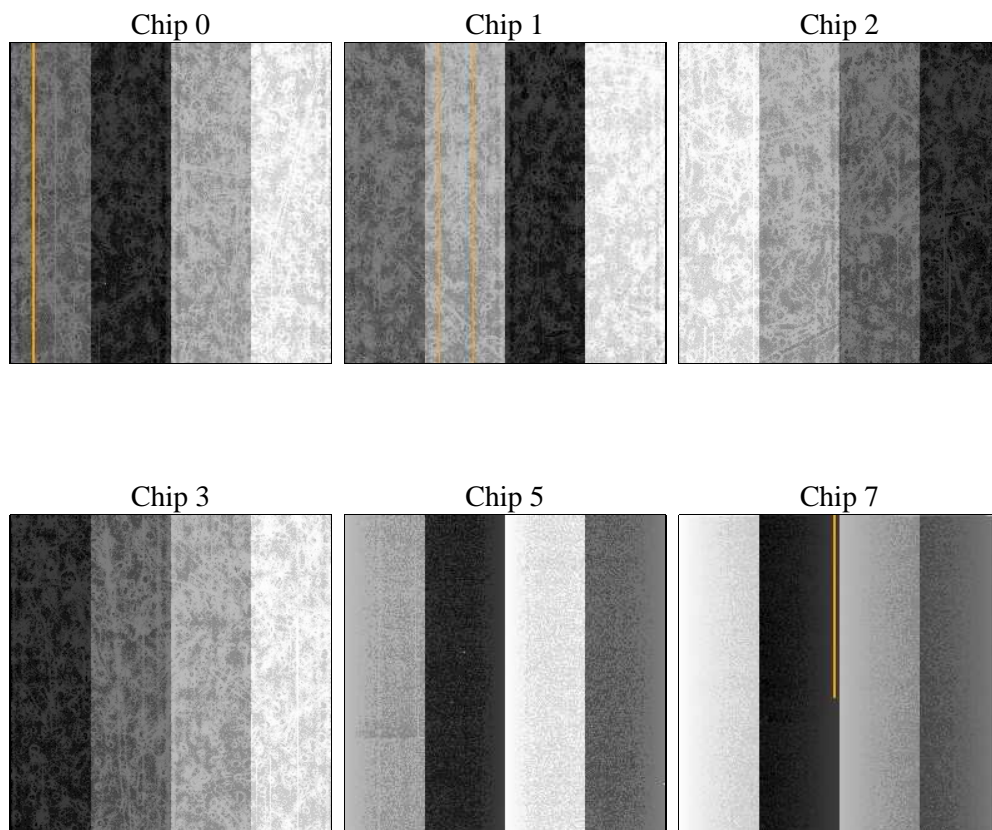
2 OBI

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	8.4.5	Processing system revision	ontime	3276.7999878526	Sum of GTIs [s]
caldsver	4.4.10	 	ontime0	3276.7999878526	Sum of GTIs [s]
date	2012-06-22T07:49:51	Date and time of file creation	ontime1	3276.7999878526	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	3276.7999878526	Sum of GTIs [s]
			ontime3	3276.7999878526	Sum of GTIs [s]
			ontime5	3276.7999878526	Sum of GTIs [s]
			ontime7	3276.7999878526	Sum of GTIs [s]
			l1events	357616	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	52288	53930	55237	54786	72517	68858	grade 0 events	13862	13802	14216	14194	6696	7335
rejected events	26227	27344	28919	28448	29185	27364		26%	25%	25%	25%	9%	10%
rejected %	50%	50%	52%	51%	40%	39%	grade 1 events	96	78	119	132	89	58
								0%	0%	0%	0%	0%	0%
							grade 2 events	4764	5070	4646	4715	15263	8982
								9%	9%	8%	8%	21%	13%
							grade 3 events	1765	1787	1773	1863	1902	3807
								3%	3%	3%	3%	2%	5%
							grade 4 events	1794	1789	1857	1855	1765	3901
								3%	3%	3%	3%	2%	5%
							grade 5 events	1634	1615	1555	1785	4047	4538
								3%	2%	2%	3%	5%	6%
							grade 6 events	3876	4138	3826	3740	17706	17508
								7%	7%	6%	6%	24%	25%
							grade 7 events	24497	25651	27245	26502	25049	22729
								46%	47%	49%	48%	34%	33%

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	172.9688029934801	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	29.39095701768584	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	165.5376666168569	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-0.6828225247311905			
[mm] SIM defocus	0.1037507710433287	0.8505141146731063			
[mm] SIM translation stage pos	250.455976	250.4635187648994			
[mm] SIM translation stage offset	0	-0.007540371344731511			
[s] Observation start time (MET)	384279489.232238	384279488.20724			
Observation start date	2010-03-06T16:18:09	2010-03-06T16:18:08			
[s] Observation end time (MET)	384290423.932793	384290422.9078			
Observation end date	2010-03-06T19:20:24	2010-03-06T19:20:22			
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)	2012.06.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2767999878526

A.2 Comments