

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 56372 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jun 23 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

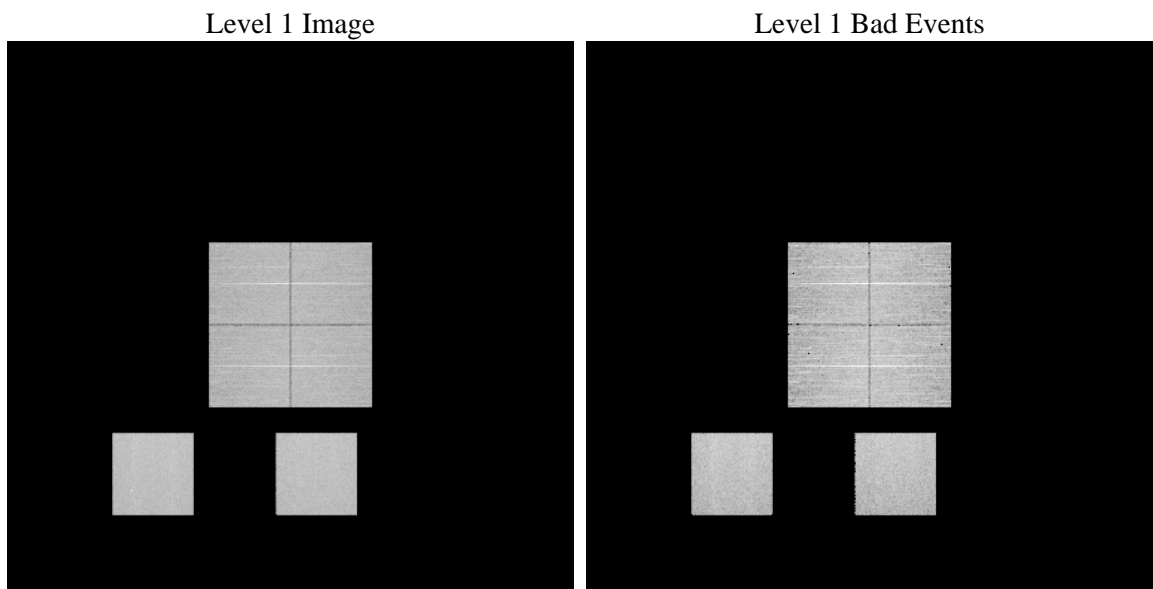
1 Front

seq_num	 	Sequence number
obs_id	56372	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	202.02235199741	Nominal RA [deg]
dec_nom	-18.973893431668	Nominal Dec [deg]
roll_nom	47.461749343252	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8454.3999685645	Sum of GTIs [s]
livetime	8347.3452655341	Livetime [s]
ontime0	8454.3999685645	Sum of GTIs [s]
ontime1	8454.3999685645	Sum of GTIs [s]
ontime2	8454.3999685645	Sum of GTIs [s]
ontime3	8454.3999685645	Sum of GTIs [s]
ontime5	8454.3612239361	Sum of GTIs [s]
ontime7	8454.3999685645	Sum of GTIs [s]
l2events	446552	Number of level 2 events

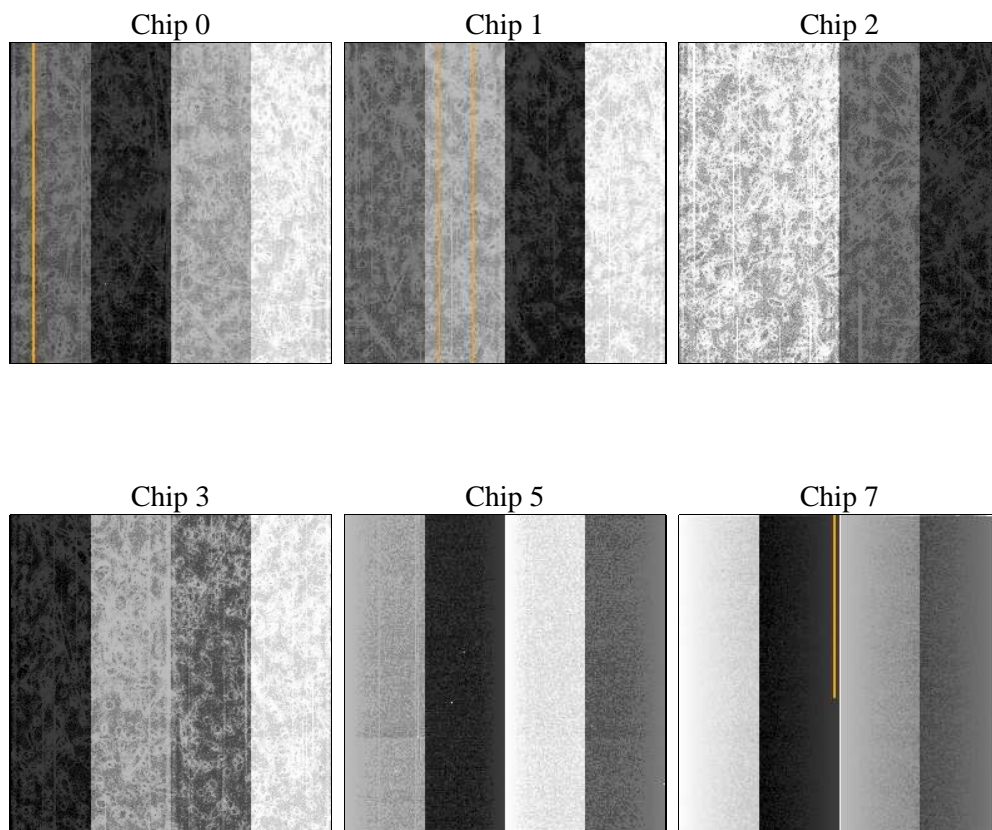
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	8454.3999685645	Sum of GTIs [s]
caldsver	4.4.10	 	ontime0	8454.3999685645	Sum of GTIs [s]
date	2012-06-23T07:41:04	Date and time of file creation	ontime1	8454.3999685645	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8454.3999685645	Sum of GTIs [s]
			ontime3	8454.3999685645	Sum of GTIs [s]
			ontime5	8454.3612239361	Sum of GTIs [s]
			ontime7	8454.3999685645	Sum of GTIs [s]
			l1events	891997	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	134291	132319	138098	141241	174522	171526	grade 0 events	34741	33181	35504	36296	11533	17759
rejected events	68367	66617	72996	74753	72038	69191		25%	25%	25%	25%	6%	10%
rejected %	50%	50%	52%	52%	41%	40%	grade 1 events	267	187	309	262	182	142
								0%	0%	0%	0%	0%	0%
							grade 2 events	12146	13326	10991	11479	37878	22439
								9%	10%	7%	8%	21%	13%
							grade 3 events	4430	4245	4519	4412	3968	9258
								3%	3%	3%	3%	2%	5%
							grade 4 events	4342	4307	4471	4559	3937	8746
								3%	3%	3%	3%	2%	5%
							grade 5 events	3922	3864	3896	4330	8605	10836
								2%	2%	2%	3%	4%	6%
							grade 6 events	10265	10643	9617	9742	45168	44133
								7%	8%	6%	6%	25%	25%
							grade 7 events	64178	62566	68791	70161	63251	58213
								47%	47%	49%	49%	36%	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	202.0223519974059	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-18.97389343166756	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	47.46174934325235	[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)	385915247.865254	385915246.84026			
Observation start date	2010-03-25T14:40:48	2010-03-25T14:40:46			
[s] Observation end time (MET)	385925545.015776	385925543.99079			
Observation end date	2010-03-25T17:32:25	2010-03-25T17:32:23			
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)	2012.06.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4543999685645

A.2 Comments