

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 53980 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Feb 2 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

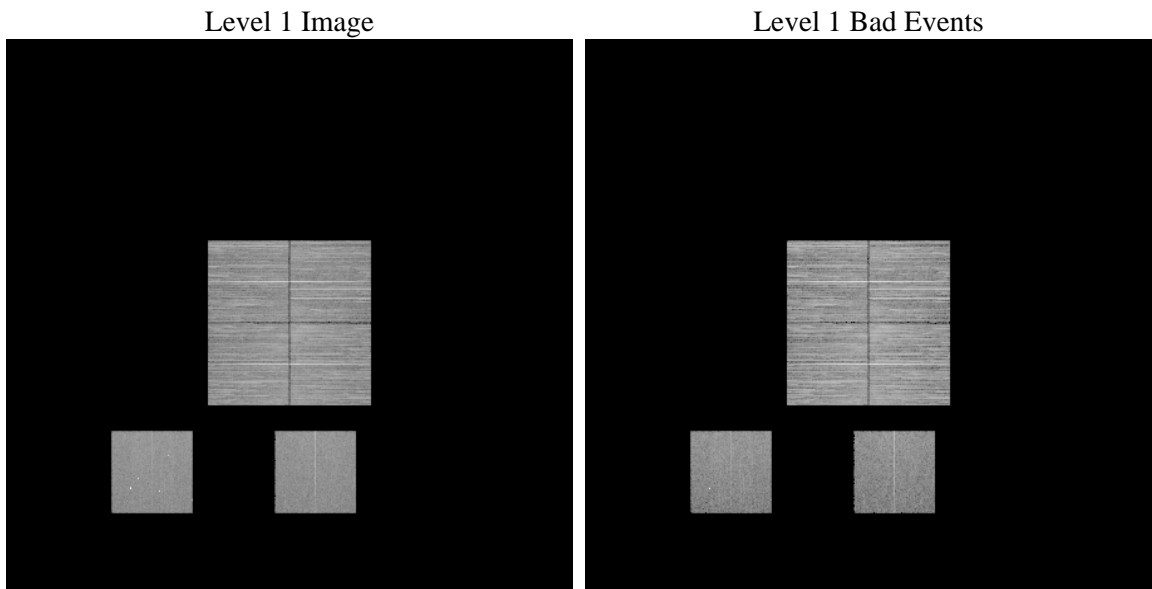
1 Front

seq_num	 	Sequence number
obs_id	53980	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	126.78854575885	Nominal RA [deg]
dec_nom	1.5579705539481	Nominal Dec [deg]
roll_nom	331.69958353255	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8124.7999697924	Sum of GTIs [s]
livetime	8021.9188604077	Livetime [s]
ontime0	8124.7999697924	Sum of GTIs [s]
ontime1	8121.5590890646	Sum of GTIs [s]
ontime2	8124.7999697924	Sum of GTIs [s]
ontime3	8124.7999697924	Sum of GTIs [s]
ontime5	8124.7999697924	Sum of GTIs [s]
ontime7	8124.7999697924	Sum of GTIs [s]
l2events	254280	Number of level 2 events

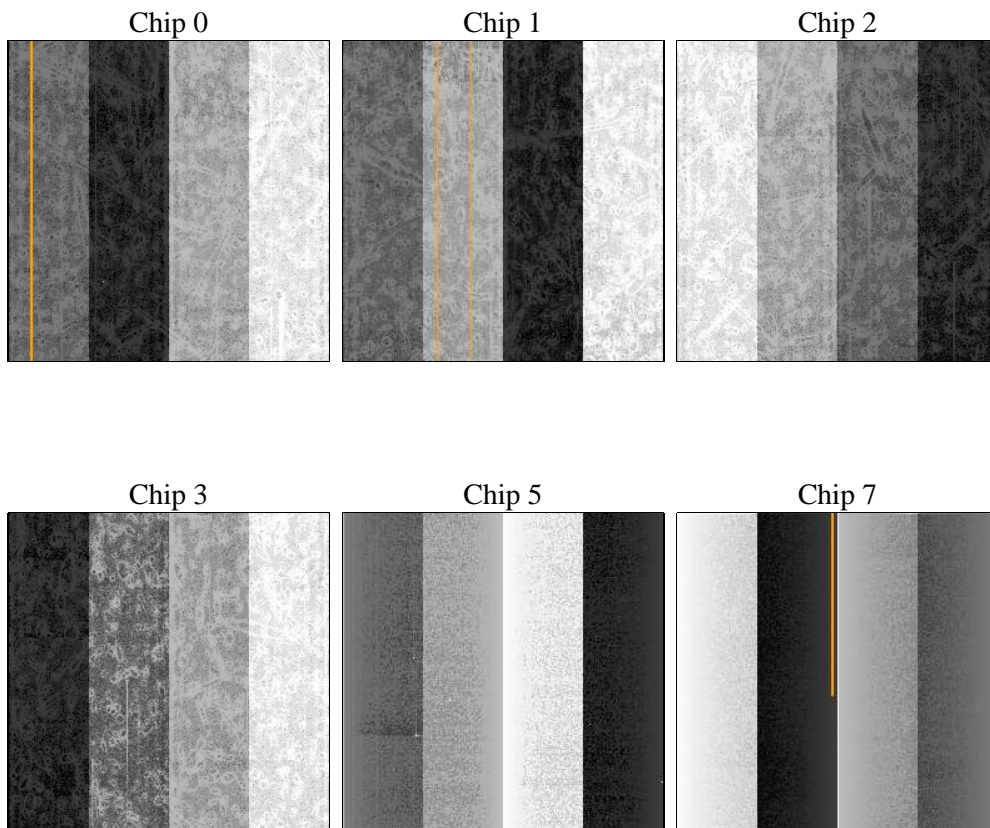
2 OBI

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	8.5.1.1	Processing system revision	ontime	8124.7999697924	Sum of GTIs [s]
caldsver	4.5.5	 	ontime0	8124.7999697924	Sum of GTIs [s]
date	2013-02-02T14:26:25	Date and time of file creation	ontime1	8121.5590890646	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8124.7999697924	Sum of GTIs [s]
			ontime3	8124.7999697924	Sum of GTIs [s]
			ontime5	8124.7999697924	Sum of GTIs [s]
			ontime7	8124.7999697924	Sum of GTIs [s]
			l1events	962173	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	160851	166057	171573	182395	145223	136074	grade 0 events	17528	16847	18208	18072	9199	9285
rejected events	126612	131624	137028	147855	76684	72447		10%	10%	10%	9%	6%	6%
rejected %	78%	79%	79%	81%	52%	53%	grade 1 events	97	74	122	122	193	102
								0%	0%	0%	0%	0%	0%
							grade 2 events	6709	7261	6449	6452	24687	15518
								4%	4%	3%	3%	16%	11%
							grade 3 events	2324	2358	2435	2432	2741	5478
								1%	1%	1%	1%	1%	4%
							grade 4 events	2273	2348	2348	2407	2475	5285
								1%	1%	1%	1%	1%	3%
							grade 5 events	3097	3171	2881	3396	7314	8264
								1%	1%	1%	1%	5%	6%
							grade 6 events	5418	5628	5123	5187	29455	28085
								3%	3%	2%	2%	20%	20%
							grade 7 events	123405	128370	134007	144327	69159	64057
								76%	77%	78%	79%	47%	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	126.7885457588509	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	1.557970553948075	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	331.6995835325541	[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)	476130974.476812	476130973.45181			
Observation start date	2013-02-01T18:36:14	2013-02-01T18:36:13			
[s] Observation end time (MET)	476146451.977647	476146450.95265			
Observation end date	2013-02-01T22:54:12	2013-02-01T22:54:10			
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)	2013.02.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1247999697924

A.2 Comments