

V&V Reference Report

L2 ASCDS Version : 10

Observation 53608 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jun 25 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

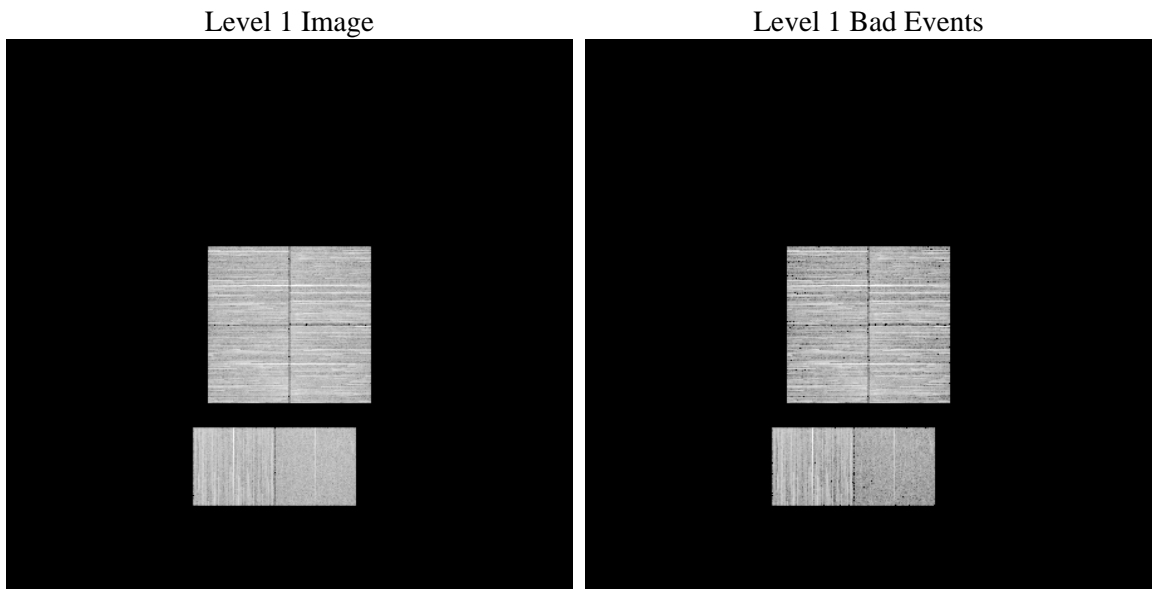
1 Front

seq_num	 	Sequence number
obs_id	53608	Observation id
title	ACIS-012367 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	246.37684995591	Nominal RA [deg]
dec_nom	-37.556440985735	Nominal Dec [deg]
roll_nom	293.40979381173	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5982.6681619883	Sum of GTIs [s]
livetime	5906.9120153909	Livetime [s]
ontime0	5982.627121985	Sum of GTIs [s]
ontime1	5982.5860819817	Sum of GTIs [s]
ontime2	5982.5450419784	Sum of GTIs [s]
ontime3	5982.7092019916	Sum of GTIs [s]
ontime6	5982.5040019751	Sum of GTIs [s]
ontime7	5982.6681619883	Sum of GTIs [s]
l2events	147912	Number of level 2 events

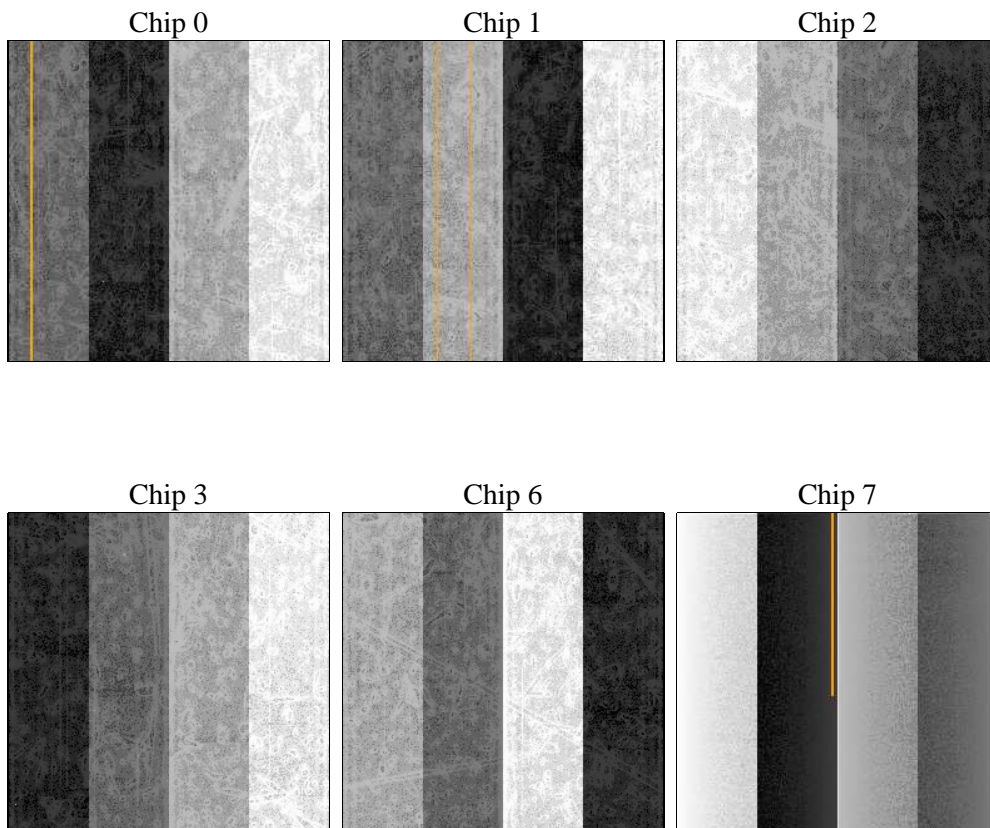
2 OBI

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	5982.6681619883	Sum of GTIs [s]
caldsver	4.5.6	 	ontime0	5982.627121985	Sum of GTIs [s]
date	2013-06-25T14:14:40	Date and time of file creation	ontime1	5982.5860819817	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	5982.5450419784	Sum of GTIs [s]
			ontime3	5982.7092019916	Sum of GTIs [s]
			ontime6	5982.5040019751	Sum of GTIs [s]
			ontime7	5982.6681619883	Sum of GTIs [s]
			l1events	628277	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	105967	107314	108150	111363	107056	88427	grade 0 events	11715	11313	12036	11921	11858	5940
rejected events	83116	84418	85160	88477	83131	47179		11%	10%	11%	10%	11%	6%
rejected %	78%	78%	78%	79%	77%	53%	grade 1 events	53	53	59	73	56	63
								0%	0%	0%	0%	0%	0%
							grade 2 events	4527	4779	4425	4320	4833	10283
								4%	4%	4%	3%	4%	11%
							grade 3 events	1607	1533	1593	1522	1640	3444
								1%	1%	1%	1%	1%	3%
							grade 4 events	1477	1569	1539	1616	1561	3381
								1%	1%	1%	1%	1%	3%
							grade 5 events	1935	2071	1875	2167	2172	5200
								1%	1%	1%	1%	2%	5%
							grade 6 events	3525	3702	3397	3507	4033	18200
								3%	3%	3%	3%	3%	20%
							grade 7 events	81128	82294	83226	86237	80903	41916
								76%	76%	76%	77%	75%	47%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	246.3768499559074	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-37.55644098573502	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	293.4097938117266	[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	250.4635187648994			
[mm] SIM translation stage offset	0	-0.007540371344731511			
[s] Observation start time (MET)	488501974.846726	488501973.82173			
Observation start date	2013-06-24T22:59:35	2013-06-24T22:59:33			
[s] Observation end time (MET)	488511757.447257	488511756.42226			
Observation end date	2013-06-25T01:42:37	2013-06-25T01:42:36			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2013.06.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.9826681619883

A.2 Comments