

V&V Reference Report

L2 ASCDS Version : 10.1.1

Observation 53259 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Nov 4 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

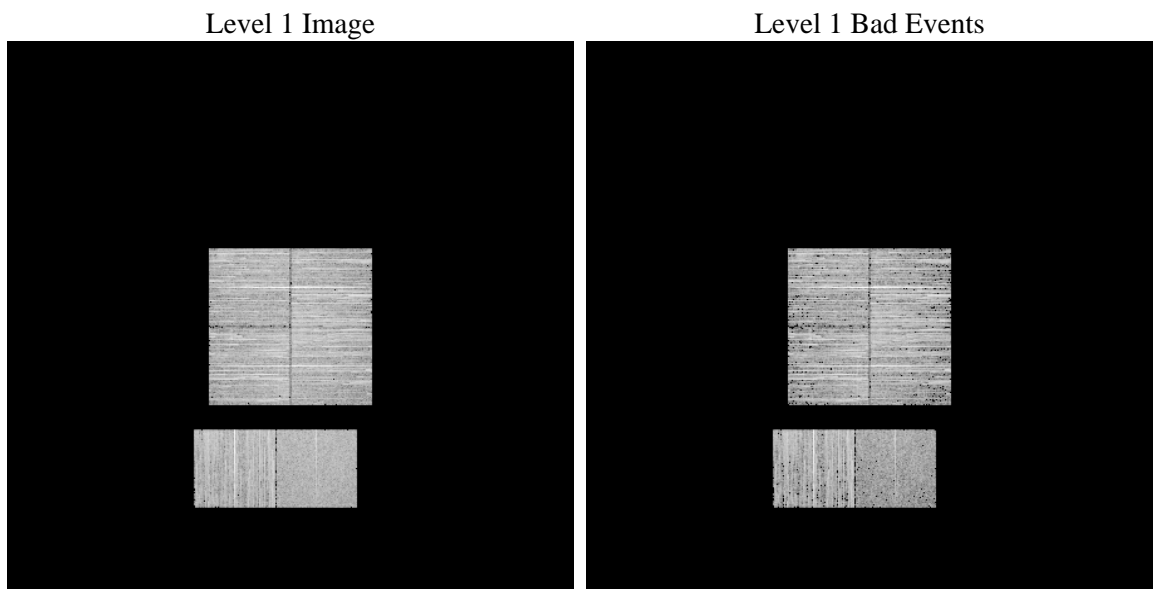
1 Front

seq_num	 	Sequence number
obs_id	53259	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	254.76893111087	Nominal RA [deg]
dec_nom	-59.728152498206	Nominal Dec [deg]
roll_nom	225.9389382952	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3947.5373867154	Sum of GTIs [s]
livetime	3897.5512914032	Livetime [s]
ontime0	3947.4963467121	Sum of GTIs [s]
ontime1	3947.4553067088	Sum of GTIs [s]
ontime2	3947.4142667055	Sum of GTIs [s]
ontime3	3947.5416066051	Sum of GTIs [s]
ontime6	3947.3732267022	Sum of GTIs [s]
ontime7	3947.5373867154	Sum of GTIs [s]
l2events	92016	Number of level 2 events

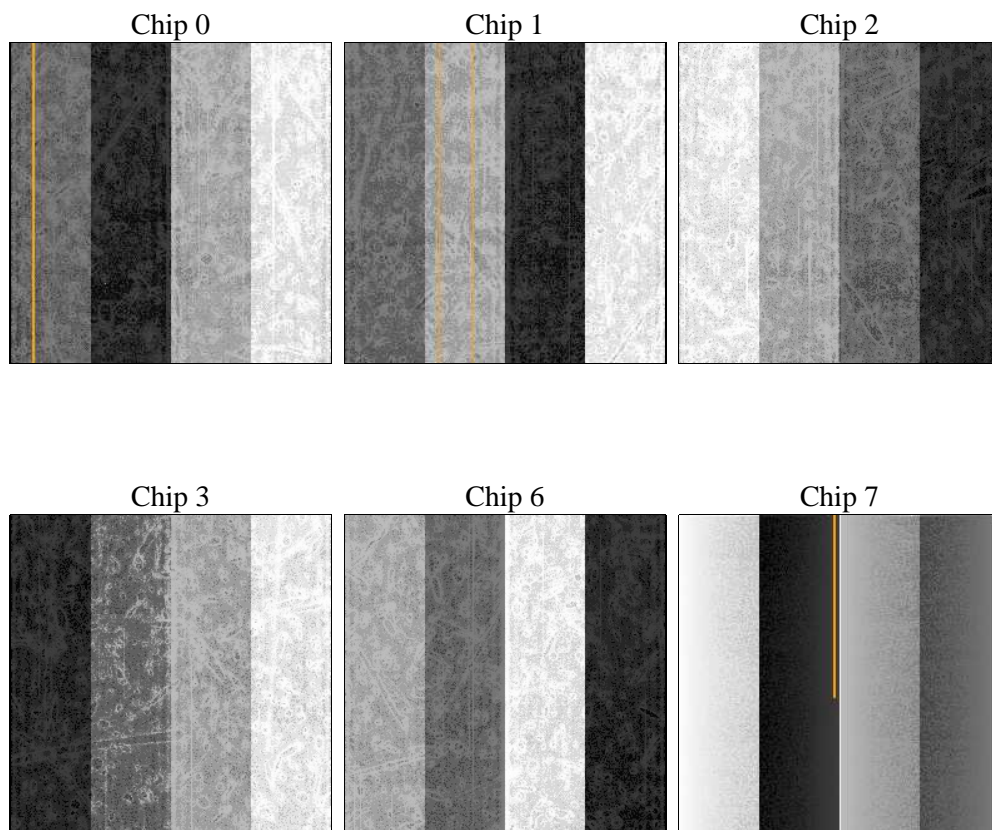
2 OBI

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	10.1.1	Processing system revision	ontime	3947.5373867154	Sum of GTIs [s]
caldbver	4.5.8	 	ontime0	3947.4963467121	Sum of GTIs [s]
date	2013-11-04T17:48:05	Date and time of file creation	ontime1	3947.4553067088	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	3947.4142667055	Sum of GTIs [s]
			ontime3	3947.5416066051	Sum of GTIs [s]
			ontime6	3947.3732267022	Sum of GTIs [s]
			ontime7	3947.5373867154	Sum of GTIs [s]
			l1events	404513	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	68709	74463	70677	66503	68005	56156	grade 0 events	7009	6853	7276	7361	7396	3763
rejected events	54614	60223	56508	52372	53148	29997		10%	9%	10%	11%	10%	6%
rejected %	79%	80%	79%	78%	78%	53%	grade 1 events	39	33	37	49	34	33
								0%	0%	0%	0%	0%	0%
							grade 2 events	2825	3038	2761	2718	2952	6367
								4%	4%	3%	4%	4%	11%
							grade 3 events	1014	965	1003	960	955	2135
								1%	1%	1%	1%	1%	3%
							grade 4 events	947	986	1017	994	988	2059
								1%	1%	1%	1%	1%	3%
							grade 5 events	1292	1368	1175	1502	1400	3351
								1%	1%	1%	2%	2%	5%
							grade 6 events	2300	2398	2112	2098	2566	11835
								3%	3%	2%	3%	3%	21%
							grade 7 events	53283	58822	55296	50821	51714	26613
								77%	78%	78%	76%	76%	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	254.7689311108713	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-59.72815249820609	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	225.9389382952049	[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)	499927820.620139	499927819.59514			
Observation start date	2013-11-04T04:50:21	2013-11-04T04:50:19			
[s] Observation end time (MET)	499933659.020459	499933657.99546			
Observation end date	2013-11-04T06:27:39	2013-11-04T06:27:37			
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)	2013.11.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.9475373867154

A.2 Comments