

V&V Reference Report

L2 ASCDS Version : 10.1.1

Observation 53077 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jan 21 2014

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

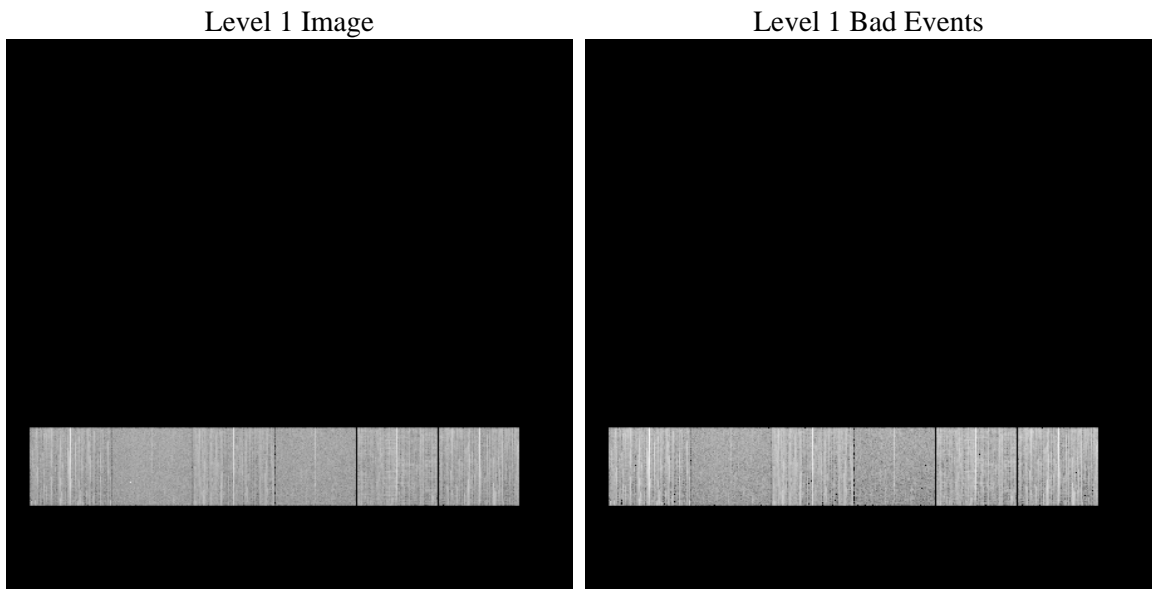
1 Front

seq_num	 	Sequence number
obs_id	53077	Observation id
title	ACIS-456789 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	148.15454012255	Nominal RA [deg]
dec_nom	31.08815663956	Nominal Dec [deg]
roll_nom	108.19271472306	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5778.0754922032	Sum of GTIs [s]
livetime	5704.9100211816	Livetime [s]
ontime4	5777.9523721933	Sum of GTIs [s]
ontime5	5778.0344521999	Sum of GTIs [s]
ontime6	5777.9934121966	Sum of GTIs [s]
ontime7	5778.0754922032	Sum of GTIs [s]
ontime8	5777.91133219	Sum of GTIs [s]
ontime9	5778.1165322065	Sum of GTIs [s]
l2events	144740	Number of level 2 events

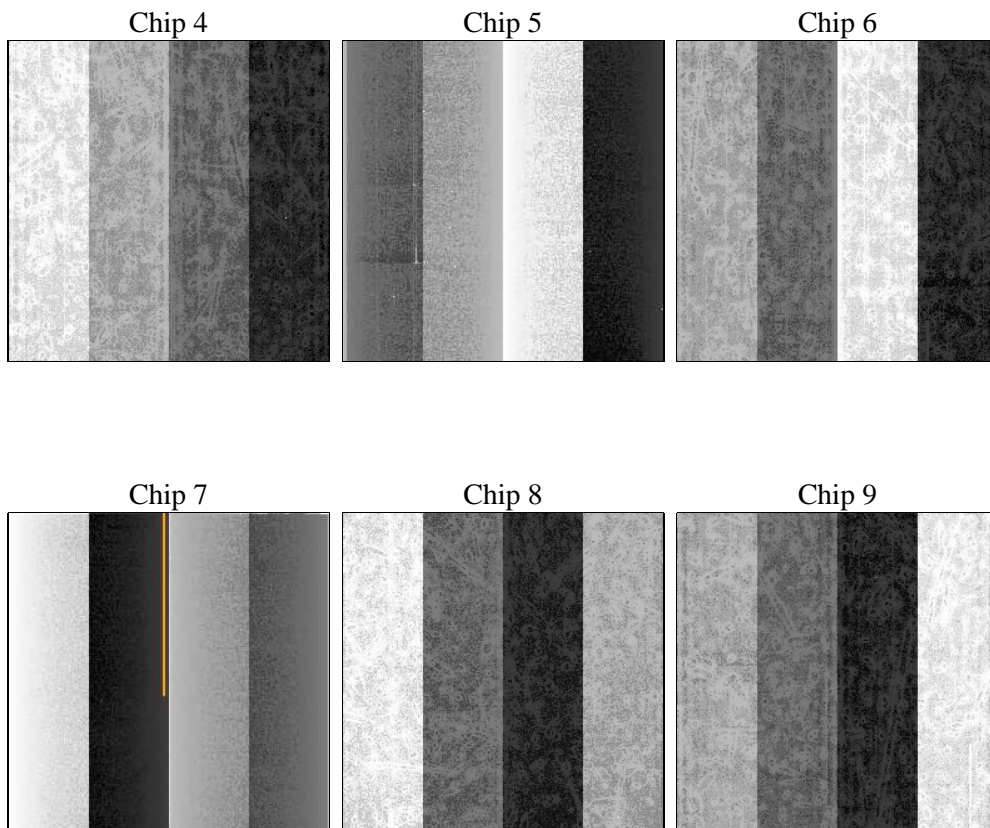
2 OBI

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	5778.0754922032	Sum of GTIs [s]
caldsver	4.6.0	 	ontime4	5777.9523721933	Sum of GTIs [s]
date	2014-01-22T00:34:51	Date and time of file creation	ontime5	5778.0344521999	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	5777.9934121966	Sum of GTIs [s]
			ontime7	5778.0754922032	Sum of GTIs [s]
			ontime8	5777.91133219	Sum of GTIs [s]
			ontime9	5778.1165322065	Sum of GTIs [s]
			l1events	615361	Number of level 1 events

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	111070	87486	110713	82556	110804	112732	grade 0 events	10146	2997	8004	4499	10795	9347
rejected events	91611	49583	90759	46771	84843	92900		9%	3%	7%	5%	9%	8%
rejected %	82%	56%	81%	56%	76%	82%	grade 1 events	90	87	37	59	50	40
								0%	0%	0%	0%	0%	0%
							grade 2 events	3894	13834	6052	9027	6119	4652
								3%	15%	5%	10%	5%	4%
							grade 3 events	1361	1166	1017	2563	1899	1284
								1%	1%	0%	3%	1%	1%
							grade 4 events	1365	1186	1017	2449	1878	1180
								1%	1%	0%	2%	1%	1%
							grade 5 events	2122	3583	1750	4550	2487	2064
								1%	4%	1%	5%	2%	1%
							grade 6 events	2693	18720	3864	17247	5270	3369
								2%	21%	3%	20%	4%	2%
							grade 7 events	89399	45913	88972	42162	82306	90796
								80%	52%	80%	51%	74%	80%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	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	148.1545401225454	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	31.0881566395602	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	108.192714723056	[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)	506554277.883707	506554276.85871			
Observation start date	2014-01-19T21:31:18	2014-01-19T21:31:16			
[s] Observation end time (MET)	506562787.434175	506562786.40918			
Observation end date	2014-01-19T23:53:07	2014-01-19T23:53:06			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2014.01.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.7780754922032

A.2 Comments