

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 55712 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 2 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

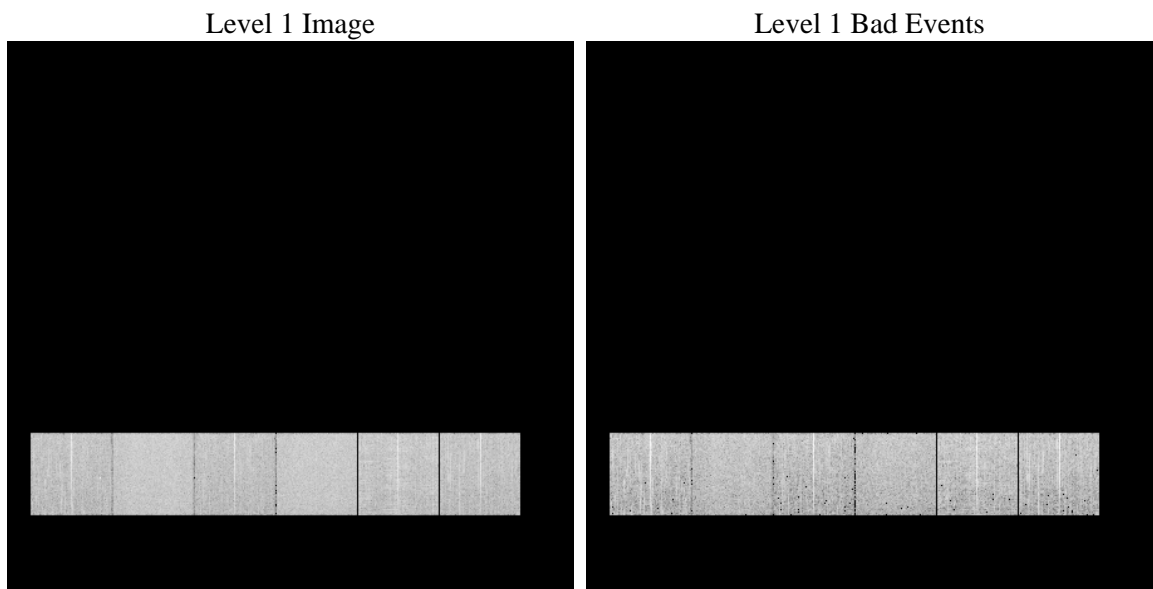
1 Front

seq_num	 	Sequence number
obs_id	55712	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	87.036582230072	Nominal RA [deg]
dec_nom	-5.0111838616338	Nominal Dec [deg]
roll_nom	309.56149258344	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5138.6325365901	Sum of GTIs [s]
livetime	5073.5640772988	Livetime [s]
ontime4	5138.5094165802	Sum of GTIs [s]
ontime5	5138.5914965868	Sum of GTIs [s]
ontime6	5135.309535861	Sum of GTIs [s]
ontime7	5138.6325365901	Sum of GTIs [s]
ontime8	5138.4683765769	Sum of GTIs [s]
ontime9	5138.6735765934	Sum of GTIs [s]
l2events	231910	Number of level 2 events

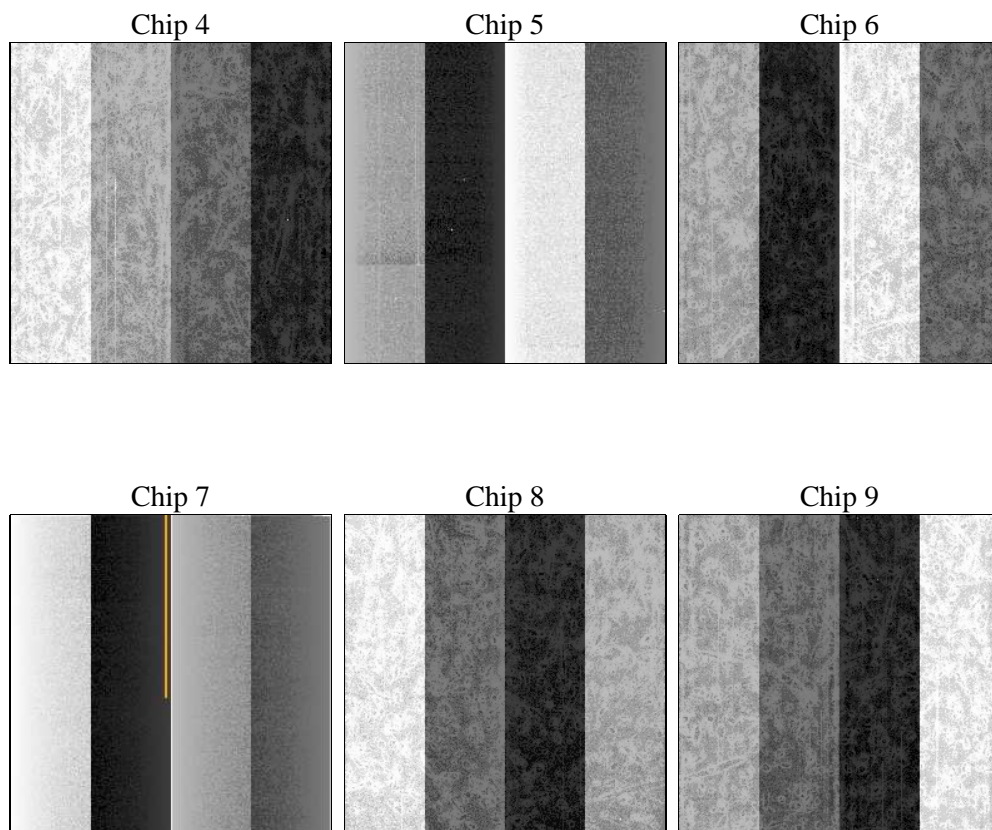
2 OBI

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	8.4.3	Processing system revision	ontime	5138.6325365901	Sum of GTIs [s]
caldsver	4.4.7	 	ontime4	5138.5094165802	Sum of GTIs [s]
date	2012-02-02T08:30:51	Date and time of file creation	ontime5	5138.5914965868	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	5135.309535861	Sum of GTIs [s]
			ontime7	5138.6325365901	Sum of GTIs [s]
			ontime8	5138.4683765769	Sum of GTIs [s]
			ontime9	5138.6735765934	Sum of GTIs [s]
			l1events	506572	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	76071	96462	74171	94242	88449	77177	grade 0 events	18524	5911	17753	8953	20239	17647
rejected events	43232	42236	39460	39929	45981	43342		24%	6%	23%	9%	22%	22%
rejected %	56%	43%	53%	42%	51%	56%	grade 1 events	161	103	97	72	120	116
								0%	0%	0%	0%	0%	0%
							grade 2 events	5201	19855	6461	11997	8286	5977
								6%	20%	8%	12%	9%	7%
							grade 3 events	2419	2088	2387	4789	3099	2284
								3%	2%	3%	5%	3%	2%
							grade 4 events	2295	2013	2364	4858	3075	2331
								3%	2%	3%	5%	3%	3%
							grade 5 events	2406	5120	2511	6178	3370	2781
								3%	5%	3%	6%	3%	3%
							grade 6 events	4424	24391	5764	23716	7793	5596
								5%	25%	7%	25%	8%	7%
							grade 7 events	40641	36981	36834	33679	42467	40445
								53%	38%	49%	35%	48%	52%

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	87.036582230072	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-5.011183861633838	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	309.5614925834414	[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)	411729144.387717	411729143.36269			
Observation start date	2011-01-18T09:12:24	2011-01-18T09:12:23			
[s] Observation end time (MET)	411737317.73814	411737316.71311			
Observation end date	2011-01-18T11:28:38	2011-01-18T11:28:36			
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)	2012.02.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.1386325365901

A.2 Comments