

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 60160 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 3 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

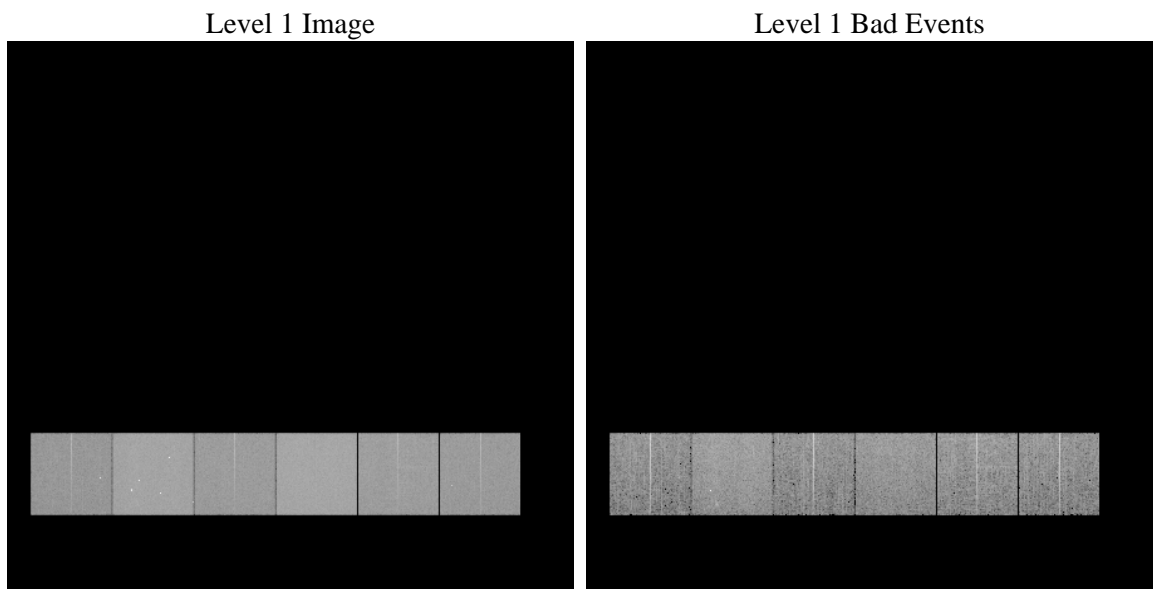
1 Front

seq_num	 	Sequence number
obs_id	60160	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	264.00005368612	Nominal RA [deg]
dec_nom	-18.226066653225	Nominal Dec [deg]
roll_nom	248.64734941006	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8277.0685525537	Sum of GTIs [s]
livetime	8172.2593266889	Livetime [s]
ontime4	5175.3369413614	Sum of GTIs [s]
ontime5	8277.0275125504	Sum of GTIs [s]
ontime6	5804.6577552259	Sum of GTIs [s]
ontime7	8277.0685525537	Sum of GTIs [s]
ontime8	6030.9145416617	Sum of GTIs [s]
ontime9	5651.9260913134	Sum of GTIs [s]
l2events	1133630	Number of level 2 events

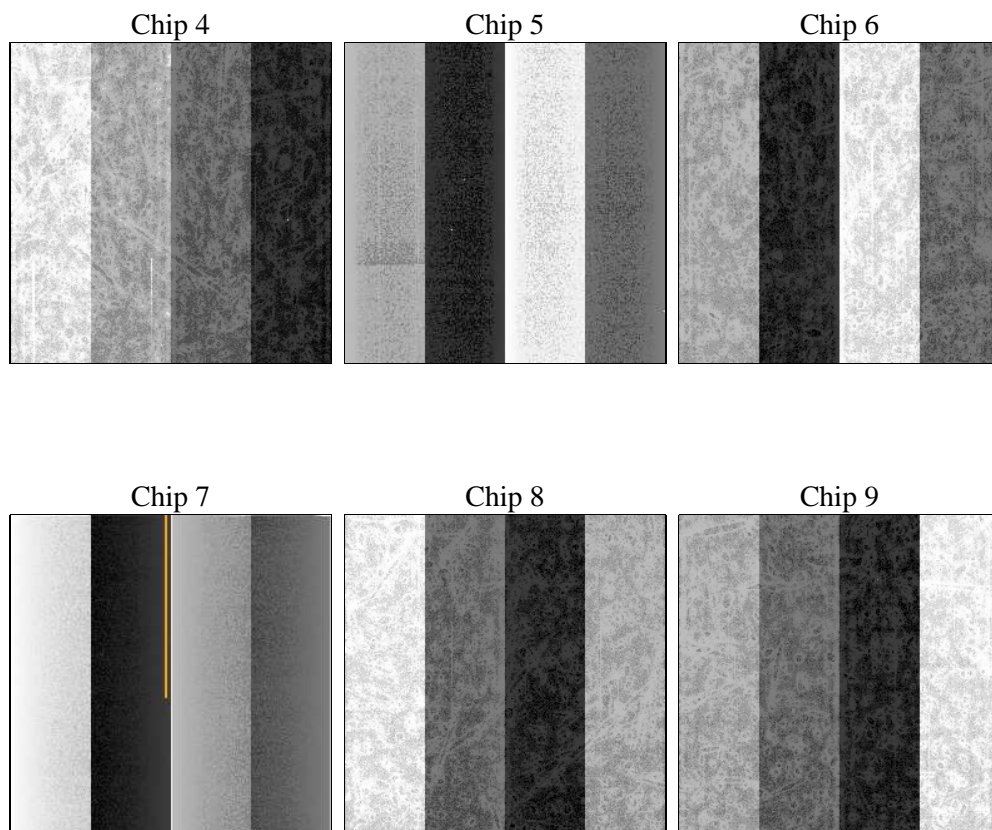
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	8277.0685525537	Sum of GTIs [s]
caldsver	4.5.2	 	ontime4	5175.3369413614	Sum of GTIs [s]
date	2012-12-03T15:40:31	Date and time of file creation	ontime5	8277.0275125504	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	5804.6577552259	Sum of GTIs [s]
			ontime7	8277.0685525537	Sum of GTIs [s]
			ontime8	6030.9145416617	Sum of GTIs [s]
			ontime9	5651.9260913134	Sum of GTIs [s]
			l1events	1497677	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	192690	305324	224551	319206	242327	213579	grade 0 events	88279	49695	97523	64667	104787	93648
rejected events	43198	61321	44340	50510	50859	44673		45%	16%	43%	20%	43%	43%
rejected %	22%	20%	19%	15%	20%	20%	grade 1 events	706	219	476	194	535	591
								0%	0%	0%	0%	0%	0%
							grade 2 events	22512	93810	31231	59387	33121	28220
								11%	30%	13%	18%	13%	13%
							grade 3 events	9974	12647	11159	26488	12380	10715
								5%	4%	4%	8%	5%	5%
							grade 4 events	9916	12245	11156	25947	12587	10947
								5%	4%	4%	8%	5%	5%
							grade 5 events	2494	9030	2825	9147	3530	3042
								1%	2%	1%	2%	1%	1%
							grade 6 events	18811	75606	29142	92207	28593	25376
								9%	24%	12%	28%	11%	11%
							grade 7 events	39998	52072	41039	41169	46794	41040
								20%	17%	18%	12%	19%	19%

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	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
[deg] Pointing RA	0	264.0000536861211	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-18.22606665322526	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	248.6473494100634			
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.8505141146731063			
[mm] SIM translation stage pos	-190.132523	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	204966020.373724	204966019.34873			
Observation start date	2004-06-30T07:00:20	2004-06-30T07:00:19			
[s] Observation end time (MET)	204985554.82459	204985553.7996			
Observation end date	2004-06-30T12:25:55	2004-06-30T12:25:53			
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)	2012.12.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2770685525537

A.2 Comments