

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 60807 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Oct 24 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

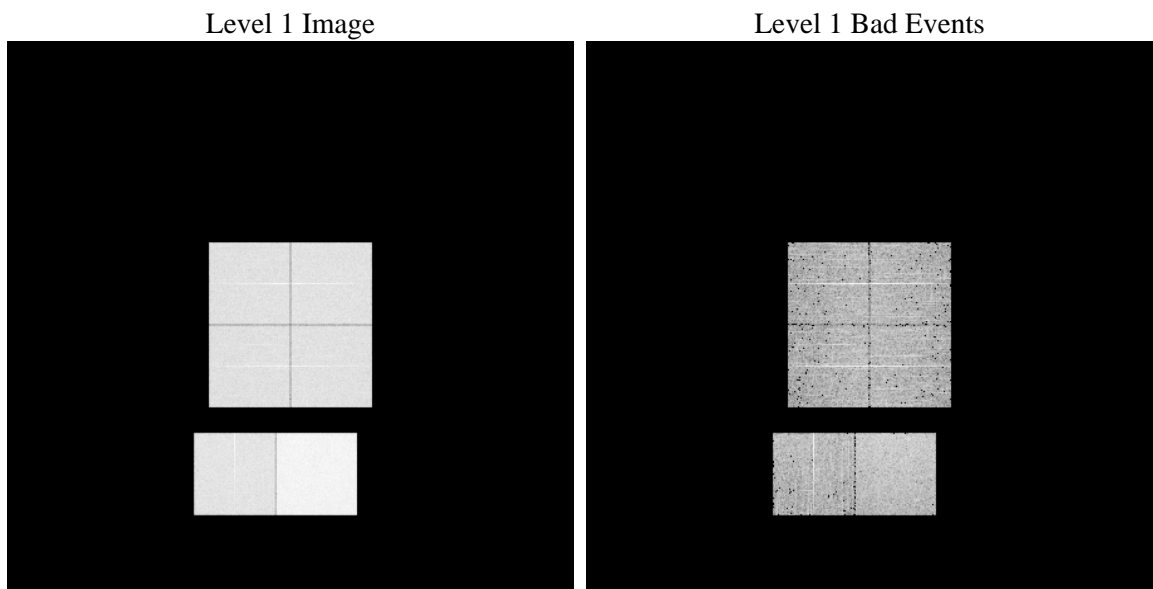
1 Front

seq_num	 	Sequence number
obs_id	60807	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	188.9705393904	Nominal RA [deg]
dec_nom	14.5017195037	Nominal Dec [deg]
roll_nom	143.64298994198	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7795.1999709606	Sum of GTIs [s]
livetime	7696.4924552224	Livetime [s]
ontime0	4160.0888909698	Sum of GTIs [s]
ontime1	4304.6750507951	Sum of GTIs [s]
ontime2	4020.8086818755	Sum of GTIs [s]
ontime3	4123.1802485585	Sum of GTIs [s]
ontime6	4451.9011663496	Sum of GTIs [s]
ontime7	7795.1999709606	Sum of GTIs [s]
l2events	1189295	Number of level 2 events

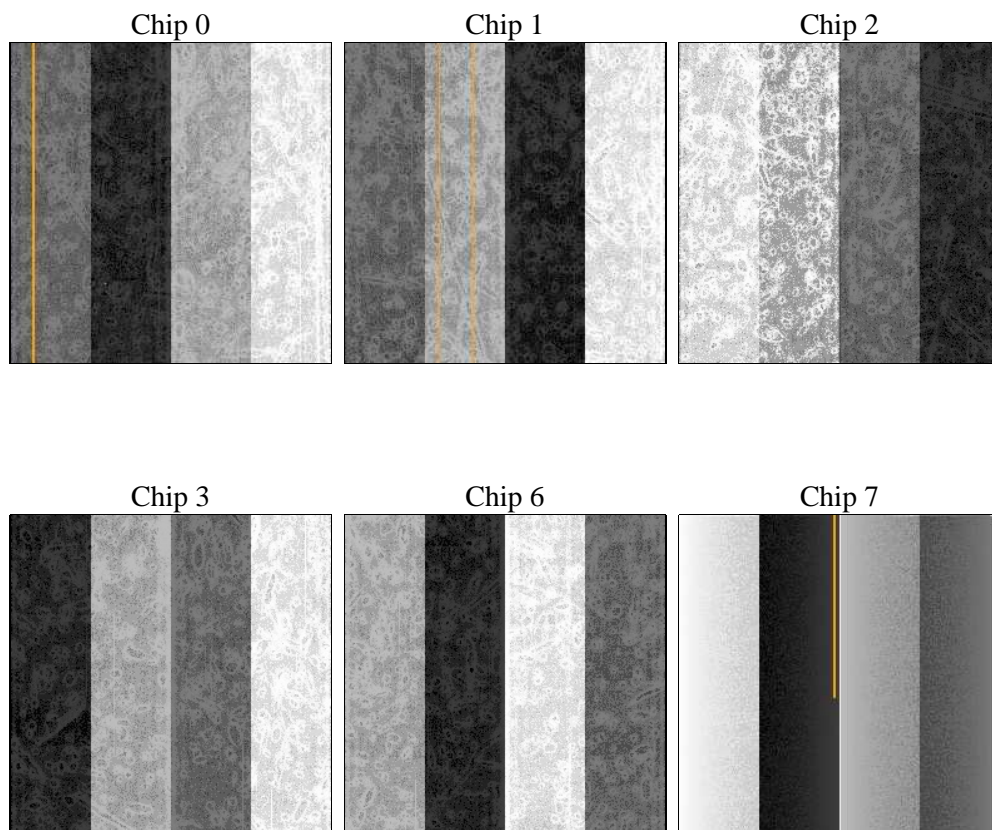
2 OBI

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	8.4.5	Processing system revision	ontime	7795.1999709606	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	4160.0888909698	Sum of GTIs [s]
date	2012-10-24T21:48:17	Date and time of file creation	ontime1	4304.6750507951	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	4020.8086818755	Sum of GTIs [s]
			ontime3	4123.1802485585	Sum of GTIs [s]
			ontime6	4451.9011663496	Sum of GTIs [s]
			ontime7	7795.1999709606	Sum of GTIs [s]
			l1events	1427575	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	202230	209822	198859	204380	225555	386729	grade 0 events	96374	99312	95596	98071	105490	86481
rejected events	27353	28251	27630	29093	30202	41994		47%	47%	48%	47%	46%	22%
rejected %	13%	13%	13%	14%	13%	10%	grade 1 events	533	491	579	626	545	237
								0%	0%	0%	0%	0%	0%
							grade 2 events	30292	32314	28918	29724	33767	75892
								14%	15%	14%	14%	14%	19%
							grade 3 events	11225	11576	11093	11493	12127	34810
								5%	5%	5%	5%	5%	9%
							grade 4 events	11173	11608	11157	11585	12432	34185
								5%	5%	5%	5%	5%	8%
							grade 5 events	1852	2048	1866	1964	2172	7878
								0%	0%	0%	0%	0%	2%
							grade 6 events	25813	26761	24465	24414	31537	113367
								12%	12%	12%	11%	13%	29%
							grade 7 events	24968	25712	25185	26503	27485	33879
								12%	12%	12%	12%	12%	8%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	188.9705393903971
[deg] Pointing Dec	0	14.50171950369961
[deg] Pointing Roll	0.0	143.6429899419833
[mm] SIM focus pos	-0.782348	-0.6828225247311905
[mm] SIM defocus	0	0.8505141146731063
[mm] SIM translation stage pos	-233.592463	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	164490306.124229	164490305.0995
Observation start date	2003-03-19T19:45:06	2003-03-19T19:45:05
[s] Observation end time (MET)	164516794.175347	164516793.15062
Observation end date	2003-03-20T03:06:34	2003-03-20T03:06:33
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.2

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.12.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7951999709606

A.2 Comments