

V&V Reference Report

L2 ASCDS Version : 8.5

Observation 59953 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 12 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

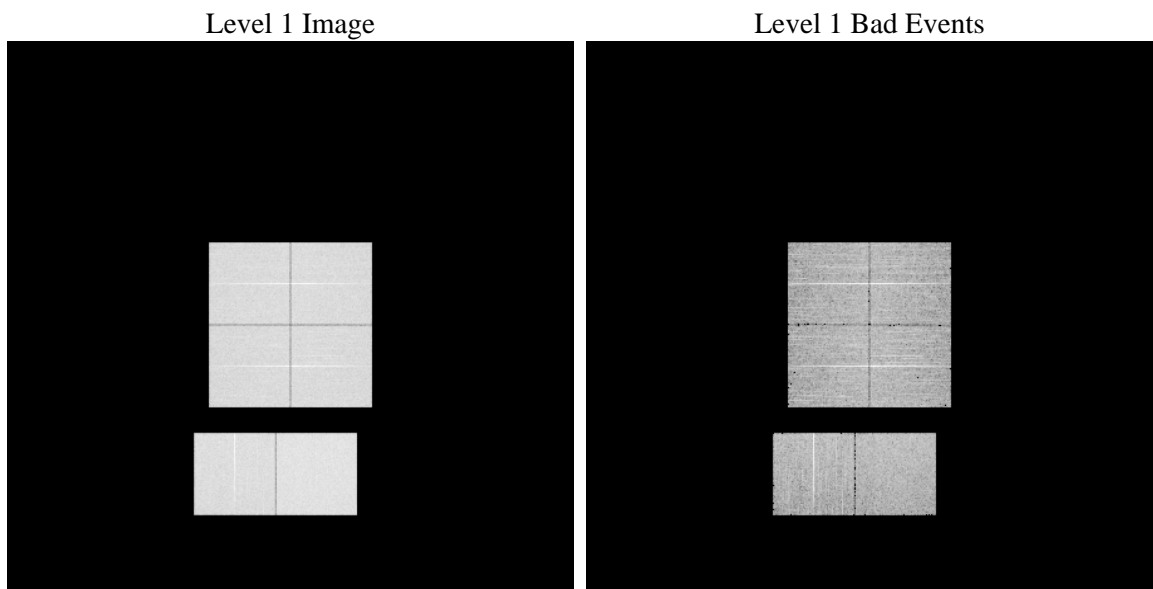
1 Front

seq_num	 	Sequence number
obs_id	59953	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	79.256730050785	Nominal RA [deg]
dec_nom	48.60041559138	Nominal Dec [deg]
roll_nom	146.31310647271	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8281.1298147142	Sum of GTIs [s]
livetime	8176.2691627026	Livetime [s]
ontime0	6945.8051852286	Sum of GTIs [s]
ontime1	6939.2821550667	Sum of GTIs [s]
ontime2	6592.4561843276	Sum of GTIs [s]
ontime3	6693.0910927355	Sum of GTIs [s]
ontime6	7285.9851750433	Sum of GTIs [s]
ontime7	8281.1298147142	Sum of GTIs [s]
l2events	1129673	Number of level 2 events

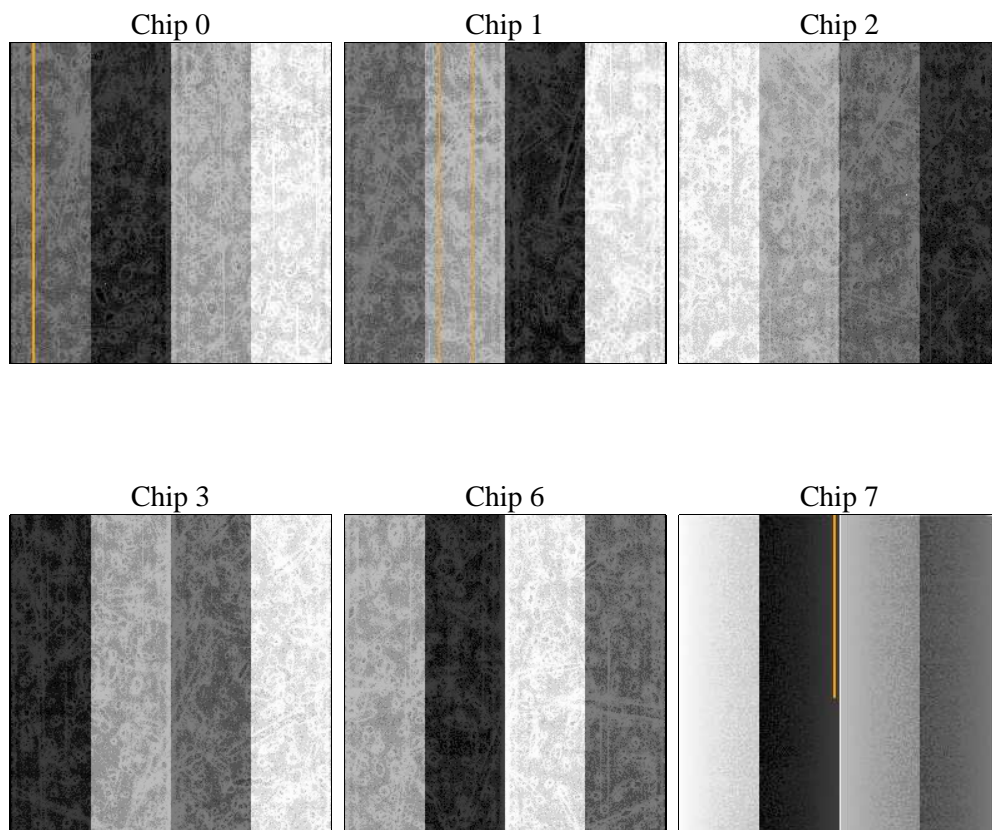
2 OBI

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	8.5	Processing system revision	ontime	8281.1298147142	Sum of GTIs [s]
caldsver	4.5.4	 	ontime0	6945.8051852286	Sum of GTIs [s]
date	2012-12-12T06:53:48	Date and time of file creation	ontime1	6939.2821550667	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	6592.4561843276	Sum of GTIs [s]
			ontime3	6693.0910927355	Sum of GTIs [s]
			ontime6	7285.9851750433	Sum of GTIs [s]
			ontime7	8281.1298147142	Sum of GTIs [s]
			l1events	1497166	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	235846	237873	229661	234174	258764	300848	grade 0 events	102645	102300	100378	101118	110796	59310
rejected events	49278	50867	50639	53403	54210	52365		43%	43%	43%	43%	42%	19%
rejected %	20%	21%	22%	22%	20%	17%	grade 1 events	630	556	679	685	585	180
								0%	0%	0%	0%	0%	0%
							grade 2 events	32429	33313	30348	31137	35151	54448
								13%	14%	13%	13%	13%	18%
							grade 3 events	12211	11944	11756	11942	12758	24532
								5%	5%	5%	5%	4%	8%
							grade 4 events	12005	12023	11716	11876	12858	24444
								5%	5%	5%	5%	4%	8%
							grade 5 events	3136	3115	2857	3383	3635	9314
								1%	1%	1%	1%	1%	3%
							grade 6 events	27354	27498	24920	24798	33074	85853
								11%	11%	10%	10%	12%	28%
							grade 7 events	45436	47124	47007	49235	49907	42767
								19%	19%	20%	21%	19%	14%

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	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
[deg] Pointing RA	0	79.25673005078505	Alternating exposures requested	N	N
[deg] Pointing Dec	0	48.60041559137971	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	146.313106472714			
[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)	217754511.344316	217754510.31932			
Observation start date	2004-11-25T07:21:51	2004-11-25T07:21:50			
[s] Observation end time (MET)	217775821.095273	217775820.07028			
Observation end date	2004-11-25T13:17:01	2004-11-25T13:17:00			
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)	2013.01.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2811298147142

A.2 Comments