

V&V Reference Report

L2 ASCDS Version : 8.3.3.1

Observation 62866 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Nov 26 2010

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

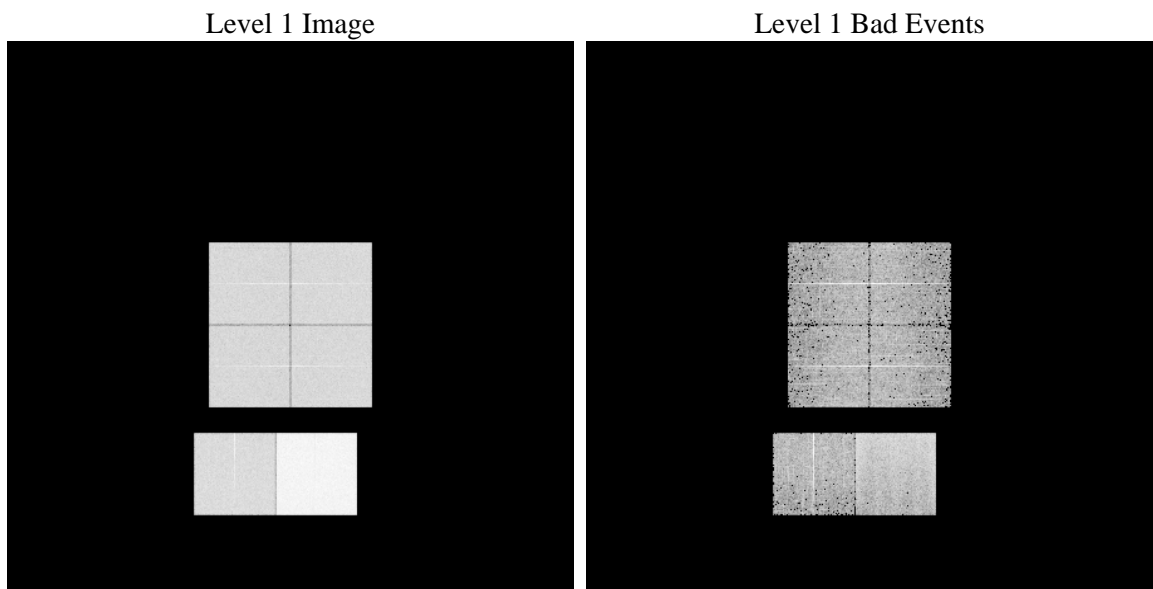
1 Front

seq_num	 	Sequence number
obs_id	62866	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
dec_targ	0.0	Observer's specified target Dec
ra_nom	268.19848556198	Nominal RA
dec_nom	-61.505457864732	Nominal Dec
roll_nom	268.90736720125	Nominal Roll
revision	3	Processing version of data
ontime	4192.9886497259	Sum of GTIs [s]
livetime	4139.8945027284	Livetime [s]
ontime0	1604.3134763837	Sum of GTIs [s]
ontime1	1656.1699967608	Sum of GTIs [s]
ontime2	1562.179956302	Sum of GTIs [s]
ontime3	1609.7358349413	Sum of GTIs [s]
ontime6	1753.4011969492	Sum of GTIs [s]
ontime7	4192.9886497259	Sum of GTIs [s]
l2events	1152795	Number of level 2 events

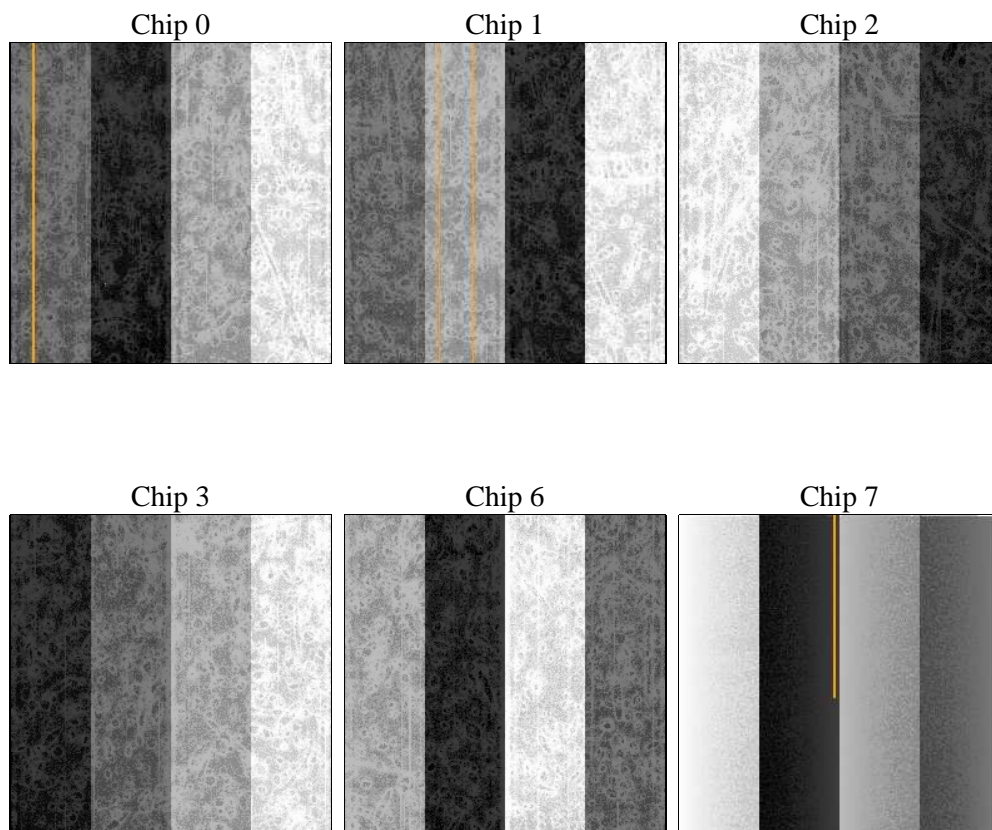
2 OBI

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	Scheduled observation exposure time
ascdsver	8.3.3.1	ASCDS version number	ontime	4192.9886497259	Sum of GTIs [s]
caldsver	4.4.0	 	ontime0	1604.3134763837	Sum of GTIs [s]
date	2010-11-26T18:52:05	Date and time of file creation	ontime1	1656.1699967608	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	1562.179956302	Sum of GTIs [s]
			ontime3	1609.7358349413	Sum of GTIs [s]
			ontime6	1753.4011969492	Sum of GTIs [s]
			ontime7	4192.9886497259	Sum of GTIs [s]
			l1events	1335889	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	170055	174598	166484	172168	191812	460772	grade 0 events	54881	55777	45565	49528	46339	74898
rejected events	23652	23721	24991	24932	28298	45517		32%	31%	27%	28%	24%	16%
rejected %	13%	13%	15%	14%	14%	9%	grade 1 events	250	223	193	226	192	196
								0%	0%	0%	0%	0%	0%
							grade 2 events	54098	56432	60957	61424	75611	116328
								31%	32%	36%	35%	39%	25%
							grade 3 events	5895	5957	4789	5170	4686	35783
								3%	3%	2%	3%	2%	7%
							grade 4 events	5940	6079	4694	5224	4749	32042
								3%	3%	2%	3%	2%	6%
							grade 5 events	1463	1505	1407	1386	1646	6554
								0%	0%	0%	0%	0%	1%
							grade 6 events	25589	26632	25488	25890	32129	156204
								15%	15%	15%	15%	16%	33%
							grade 7 events	21939	21993	23391	23320	26460	38767
								12%	12%	14%	13%	13%	8%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-012367	ACIS-012367	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
Pointing RA	0	268.1984855619801	Subarray requested	NONE	NONE
Pointing Dec	0	-61.50545786473204	Alternating exposures requested	N	N
Pointing Roll	0.0	268.9073672012522	Primary exposure time	3.2	3.2
SIM focus pos (mm)	-1.429586	-0.7809083437167272			
SIM defocus (mm)	0.1037507710433287	0.7524282956875696			
SIM translation stage pos (mm)	250.455976	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	54415598.917463	54415597.892463			
Observation start date	1999-09-22T19:26:39	1999-09-22T19:26:37			
Observation end time	54424399.567779	54424398.542779			
Observation end date	1999-09-22T21:53:20	1999-09-22T21:53:18			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2010.11.29
V&V Edition	2
V&V Disposition and Status	OK
V&V Charge Time	4.1929886497259

A.2 Comments

This obsid originally appeared in telemetry with number 1313. It is documented in the spacecraft load as obsid 1313 in September 22 1999.

The same obsid

was reused in December 2000 as a science observation. Because this obsid was previously used for a different instrument configuration, the original telemetry file from 1999 was edited to change the obsid to 62866. The focal plane temperature is approximately -110 C during this observation.