

V&V Reference Report

L2 ASCDS Version : 7.6.11.10

Observation 61542 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Feb 5 2009

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

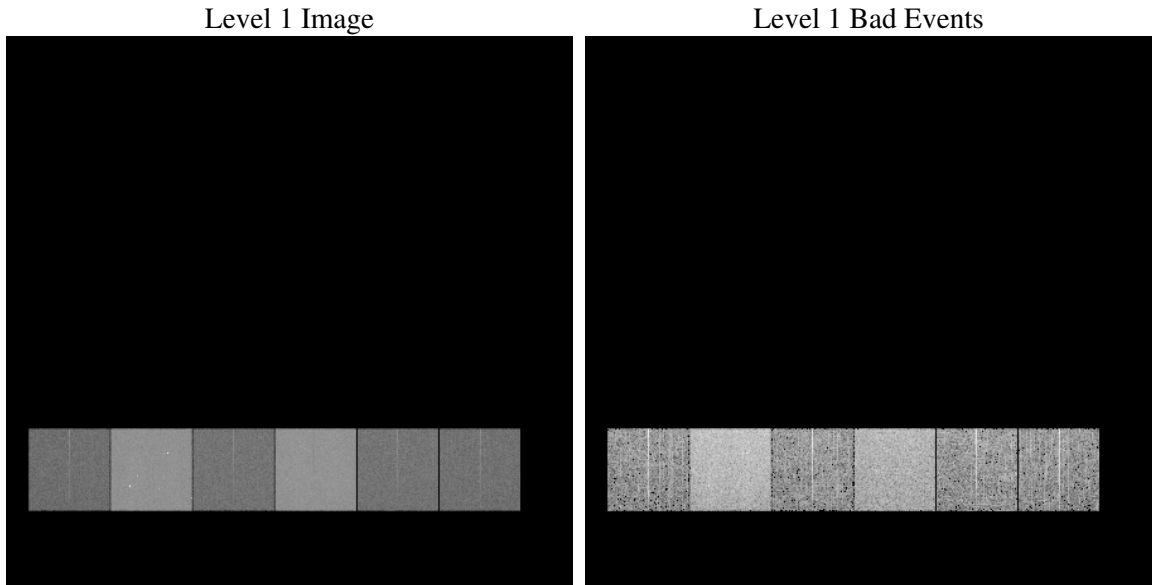
1 Front

seq_num	
obs_id	61542
title	ACIS-456789 diagnostics
observer	CHANDRA engineering request/realtime commanding
object	
dtcycle	0
cycle	P
ra_targ	0.0
dec_targ	0.0
ra_nom	275.0148504214
dec_nom	-21.025097174677
roll_nom	266.35209103365
revision	4
ontime	5357.5687289834
livetime	5289.7279677964
ontime4	2019.4564219713
ontime5	5736.8030600697
ontime6	2203.9536911845
ontime7	5357.5687289834
ontime8	2207.4776918143
ontime9	2116.5233023018
l2events	1175283

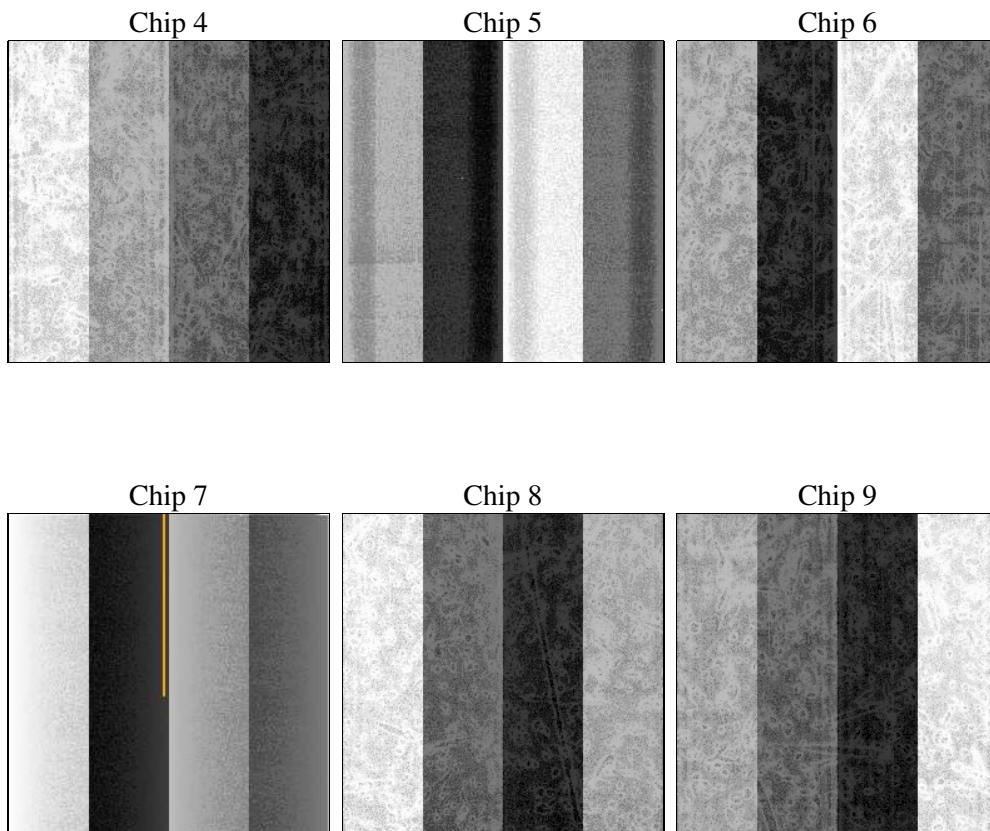
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.11.10
caldbver	3.5.1
date	2009-02-05T09:38:36
revision	4

sched_exp_time	8520
ontime	5357.5687289834
ontime4	2019.4564219713
ontime5	5736.8030600697
ontime6	2203.9536911845
ontime7	5357.5687289834
ontime8	2207.4776918143
ontime9	2116.5233023018
l1events	1426940

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	147224	385623	170744	394076	172048	157225
rejected events	23800	55806	25140	43658	26487	24045
rejected %	16%	14%	14%	11%	15%	15%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	71856	86504	82370	93300	82698	75245
	48%	22%	48%	23%	48%	47%
grade 1 events	409	272	505	248	433	422
	0%	0%	0%	0%	0%	0%
grade 2 events	22529	119717	26360	80138	26601	24292
	15%	31%	15%	20%	15%	15%
grade 3 events	7964	22510	9132	37015	9334	8633
	5%	5%	5%	9%	5%	5%
grade 4 events	7873	22339	9333	36810	9385	8478
	5%	5%	5%	9%	5%	5%
grade 5 events	1191	8443	1409	6443	1569	1356
	0%	2%	0%	1%	0%	0%
grade 6 events	17439	90712	23638	115994	22661	20970
	11%	23%	13%	29%	13%	13%
grade 7 events	17963	35126	17997	24128	19367	17829
	12%	9%	10%	6%	11%	11%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	OVERRIDE	OVERRIDE
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
Pointing RA	275.0148504213958	275.0148504213958	Subarray requested	NONE	NONE
Pointing Dec	-21.02509717467746	-21.02509717467746	Alternating exposures requested	N	N
Pointing Roll	266.3520910336508	266.3520910336508	Primary exposure time	3.2	3.2
SIM focus pos (mm)	-0.78090834371673	-0.78090834371673			
SIM defocus (mm)	0.7524282194390134	0.7524282194390134			
SIM translation stage pos (mm)	250.4660330802	250.4660330802			
SIM translation stage offset (mm)	-0.01005726120527584	-0.01005726120527584			
Observation start time	111937436.475	111937436.475			
Observation start date	2001-07-19T14:00:00	2001-07-19T13:43:56			
Observation end time	111946774.417153	111946774.417153			
Observation end date	2001-07-19T16:22:00	2001-07-19T16:19:34			
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)	2009.02.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.35756872

A.2 Comments

This obsid was reprocessed to correct minor errors in parameters used in processing. Some of these parameters cannot be determined automatically for this observation and were derived from spacecraft telemetry.