

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 57698 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : May 17 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

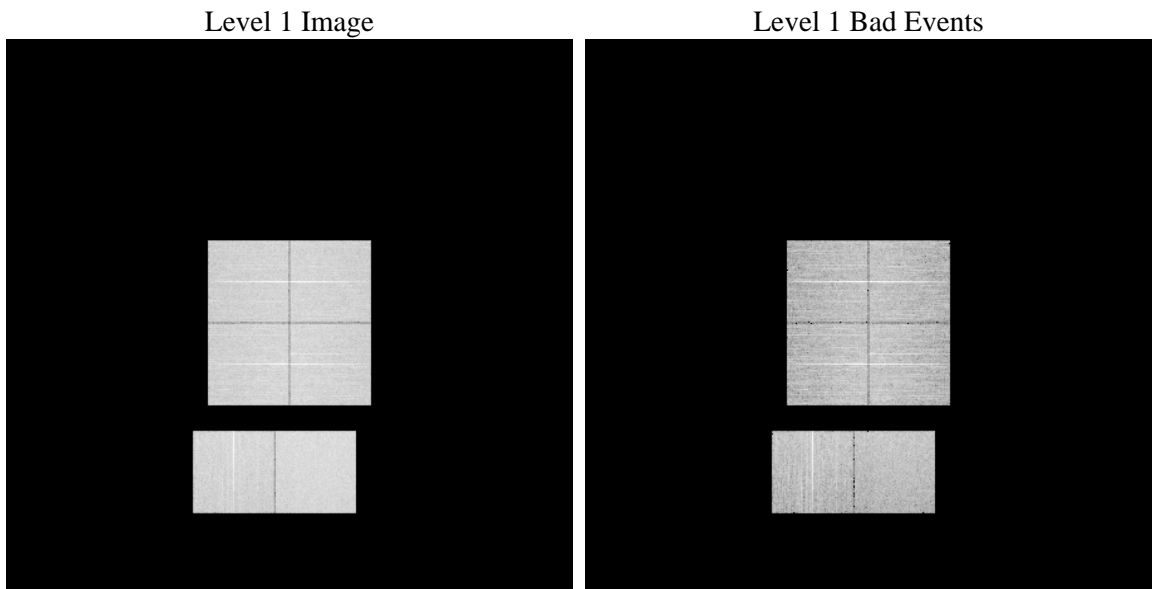
1 Front

seq_num	 	Sequence number
obs_id	57698	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	318.98377912912	Nominal RA [deg]
dec_nom	-26.975030861767	Nominal Dec [deg]
roll_nom	87.220805593824	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7577.4329103231	Sum of GTIs [s]
livetime	7481.4828922303	Livetime [s]
ontime0	7577.3918703198	Sum of GTIs [s]
ontime1	7577.3508303165	Sum of GTIs [s]
ontime2	7577.3097903132	Sum of GTIs [s]
ontime3	7577.4739503264	Sum of GTIs [s]
ontime6	7577.2687503099	Sum of GTIs [s]
ontime7	7577.4329103231	Sum of GTIs [s]
l2events	529990	Number of level 2 events

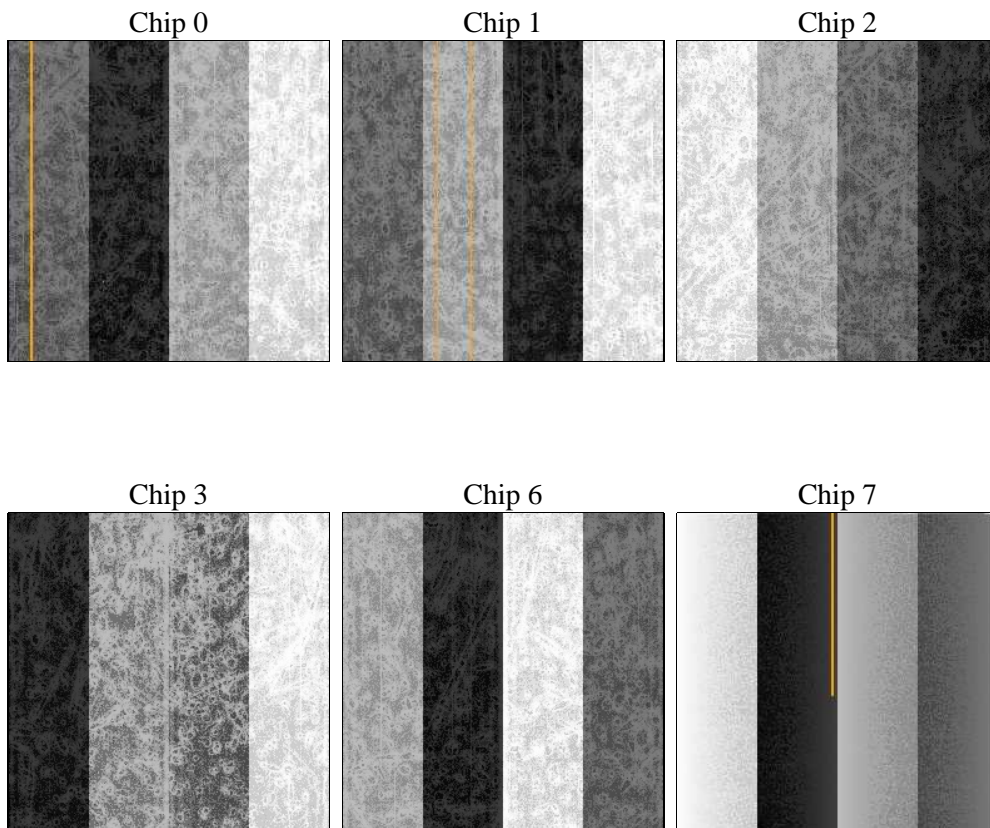
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	6300	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	7577.4329103231	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	7577.3918703198	Sum of GTIs [s]
date	2012-05-17T18:44:17	Date and time of file creation	ontime1	7577.3508303165	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	7577.3097903132	Sum of GTIs [s]
			ontime3	7577.4739503264	Sum of GTIs [s]
			ontime6	7577.2687503099	Sum of GTIs [s]
			ontime7	7577.4329103231	Sum of GTIs [s]
			l1events	967946	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	149044	153709	157811	160195	162348	184839	grade 0 events	47135	46913	48769	48674	49083	24496
rejected events	62766	66500	70582	72518	71703	64690		31%	30%	30%	30%	30%	13%
rejected %	42%	43%	44%	45%	44%	34%	grade 1 events	350	301	385	393	322	131
								0%	0%	0%	0%	0%	0%
							grade 2 events	15704	16387	15251	15679	16214	26899
								10%	10%	9%	9%	9%	14%
							grade 3 events	5918	5786	6033	6067	6015	11569
								3%	3%	3%	3%	3%	6%
							grade 4 events	5907	5837	6009	6082	5847	11450
								3%	3%	3%	3%	3%	6%
							grade 5 events	3687	3813	3407	4256	4093	10467
								2%	2%	2%	2%	2%	5%
							grade 6 events	13150	13849	12725	12773	15169	47825
								8%	9%	8%	7%	9%	25%
							grade 7 events	57193	60823	65232	66271	65605	52002
								38%	39%	41%	41%	40%	28%

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	318.9837791934013	318.9837791291163
[deg] Pointing Dec	-26.97503127080643	-26.97503086176695
[deg] Pointing Roll	87.2208055821623	87.22080559382391
[mm] SIM focus pos	-0.68282252473119	-0.68282252473119
[mm] SIM defocus	0.8505140384245534	0.8505140384245534
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	331950605.16451	331950605.16451
Observation start date	2008-07-09T00:55:00	2008-07-09T00:30:05
[s] Observation end time (MET)	331960042.170433	331960042.170433
Observation end date	2008-07-09T02:40:00	2008-07-09T03:07:22
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	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)	2012.05.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.5774329103231

A.2 Comments