

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 53949 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Feb 13 2013

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

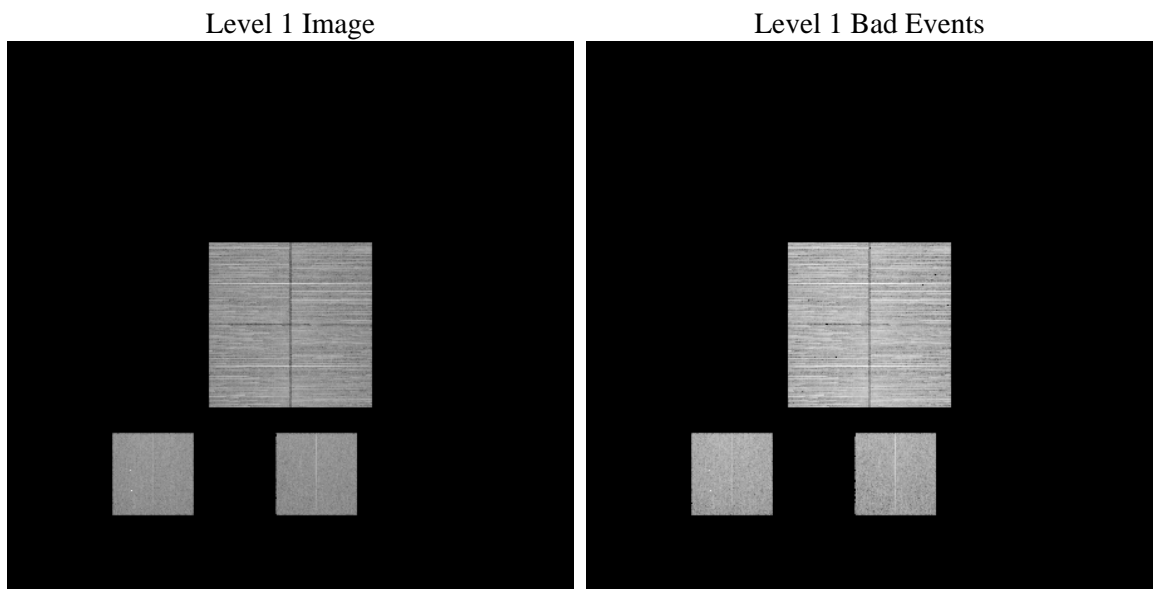
1 Front

seq_num	 	Sequence number
obs_id	53949	Observation id
title	ACIS-012357 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	165.33842261469	Nominal RA [deg]
dec_nom	-1.1402303857935	Nominal Dec [deg]
roll_nom	61.1786625056	Nominal Roll [deg]
revision	1	Processing version of data
ontime	6802.3577949405	Sum of GTIs [s]
livetime	6716.2222446528	Livetime [s]
ontime0	6802.3167549372	Sum of GTIs [s]
ontime1	6802.2757149339	Sum of GTIs [s]
ontime2	6802.2346749306	Sum of GTIs [s]
ontime3	6802.3988349438	Sum of GTIs [s]
ontime5	6802.1936349273	Sum of GTIs [s]
ontime7	6802.3577949405	Sum of GTIs [s]
l2events	205319	Number of level 2 events

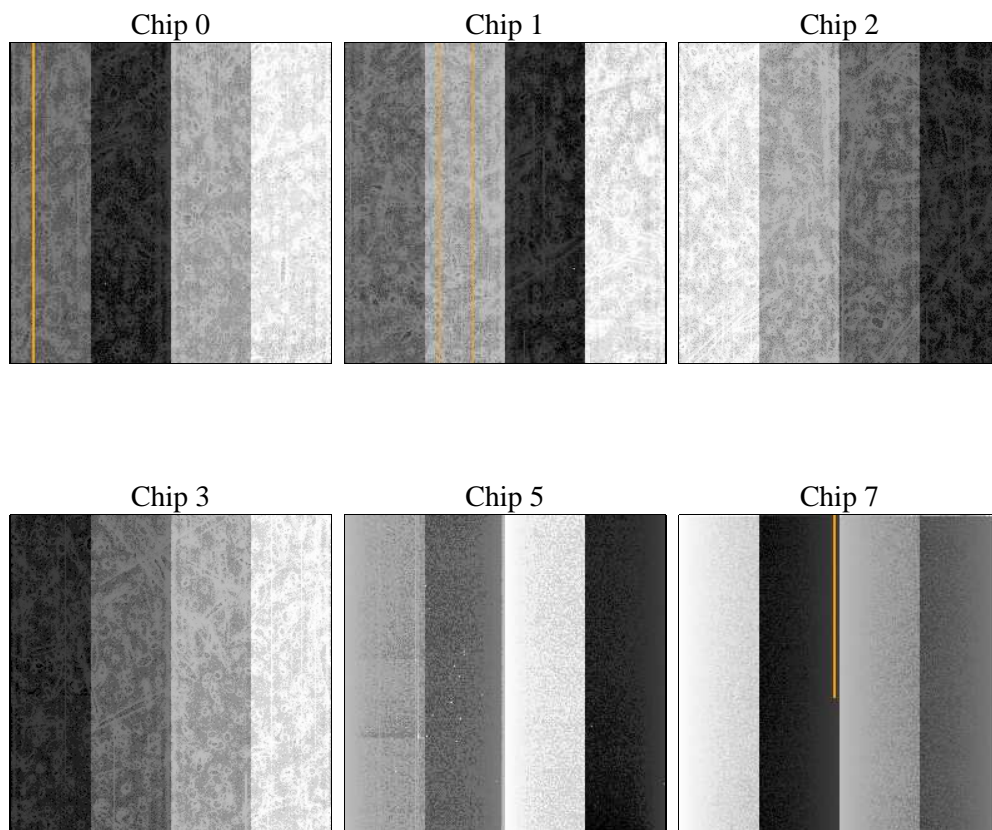
2 OBI

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	8.5.1.1	Processing system revision	ontime	6802.3577949405	Sum of GTIs [s]
caldsver	4.5.5	 	ontime0	6802.3167549372	Sum of GTIs [s]
date	2013-02-13T06:45:54	Date and time of file creation	ontime1	6802.2757149339	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	6802.2346749306	Sum of GTIs [s]
			ontime3	6802.3988349438	Sum of GTIs [s]
			ontime5	6802.1936349273	Sum of GTIs [s]
			ontime7	6802.3577949405	Sum of GTIs [s]
			l1events	833924	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	152564	144927	153458	146758	121370	114847	grade 0 events	13376	11919	14360	14187	4300	6736
rejected events	124683	117180	125086	118544	67499	64488		8%	8%	9%	9%	3%	5%
rejected %	81%	80%	81%	80%	55%	56%	grade 1 events	72	51	81	92	115	61
								0%	0%	0%	0%	0%	0%
							grade 2 events	6864	8035	6455	6395	19981	12873
								4%	5%	4%	4%	16%	11%
							grade 3 events	1756	1638	1932	1903	1976	3769
								1%	1%	1%	1%	1%	3%
							grade 4 events	1715	1562	1785	1802	1965	3750
								1%	1%	1%	1%	1%	3%
							grade 5 events	2330	2231	2329	2724	4848	6074
								1%	1%	1%	1%	3%	5%
							grade 6 events	4654	5045	4315	4391	26534	24130
								3%	3%	2%	2%	21%	21%
							grade 7 events	121797	114446	122201	115264	61651	57454
								79%	78%	79%	78%	50%	50%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012357	ACIS-012357
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	165.3384226146941
[deg] Pointing Dec	0	-1.140230385793534
[deg] Pointing Roll	0.0	61.17866250559975
SIM focus pos (mm)	-1.4281808131	-1.4281808131
[mm] SIM defocus	0.1051557500557434	0.1051557500557434
SIM translation stage pos (mm)	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	477074220.5278	477074220.5278
Observation start date	2013-02-12T16:37:01	2013-02-12T16:37:00
[s] Observation end time (MET)	477084416.128092	477084416.128092
Observation end date	2013-02-12T19:26:56	2013-02-12T19:26:56
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	Joy Nichols
V&V Date (YYYY-MM-DD)	2013.02.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.8023577949405

A.2 Comments