

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 54054 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jan 4 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

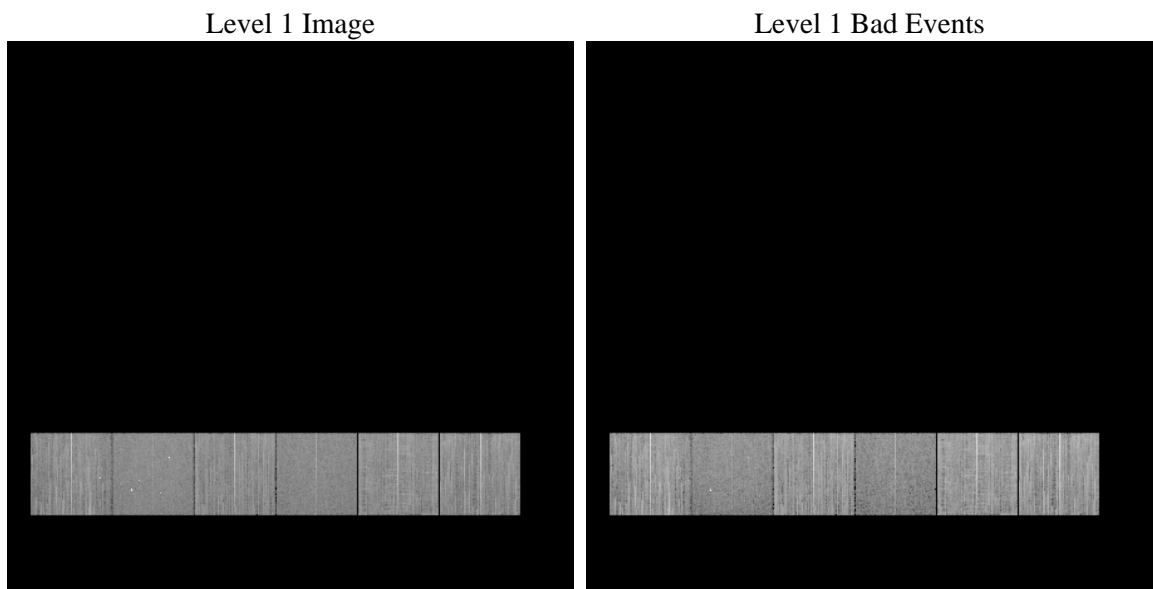
1 Front

seq_num	 	Sequence number
obs_id	54054	Observation id
title	ACIS-456789 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	149.39736349155	Nominal RA [deg]
dec_nom	3.8286808584633	Nominal Dec [deg]
roll_nom	62.278275143466	Nominal Roll [deg]
revision	1	Processing version of data
ontime	7125.0206223726	Sum of GTIs [s]
livetime	7034.7993210798	Livetime [s]
ontime4	7124.8975023627	Sum of GTIs [s]
ontime5	7124.9795823693	Sum of GTIs [s]
ontime6	7124.938542366	Sum of GTIs [s]
ontime7	7125.0206223726	Sum of GTIs [s]
ontime8	7124.8564623594	Sum of GTIs [s]
ontime9	7125.0616623759	Sum of GTIs [s]
l2events	224139	Number of level 2 events

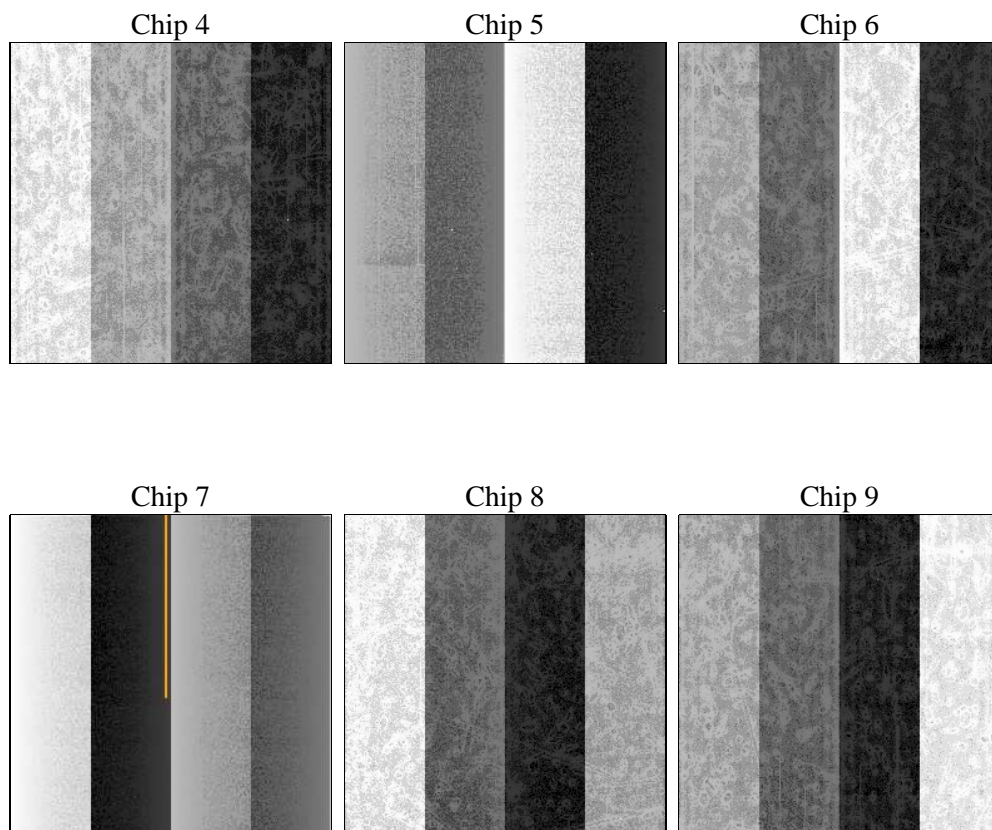
2 OBI

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	7125.0206223726	Sum of GTIs [s]
caldsver	4.5.5	 	ontime4	7124.8975023627	Sum of GTIs [s]
date	2013-01-04T15:59:49	Date and time of file creation	ontime5	7124.9795823693	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	7124.938542366	Sum of GTIs [s]
			ontime7	7125.0206223726	Sum of GTIs [s]
			ontime8	7124.8564623594	Sum of GTIs [s]
			ontime9	7125.0616623759	Sum of GTIs [s]
			l1events	875421	Number of level 1 events

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	148887	133102	149293	120937	163242	159960	grade 0 events	18833	8401	16492	8432	18966	16643
rejected events	116733	73082	117373	66436	123573	128527		12%	6%	11%	6%	11%	10%
rejected %	78%	54%	78%	54%	75%	80%	grade 1 events	140	126	80	79	105	81
								0%	0%	0%	0%	0%	0%
							grade 2 events	5900	22878	6716	13936	8323	6284
								3%	17%	4%	11%	5%	3%
							grade 3 events	2279	2196	2205	4720	3082	2269
								1%	1%	1%	3%	1%	1%
							grade 4 events	2136	2271	2114	4667	2982	2179
								1%	1%	1%	3%	1%	1%
							grade 5 events	3030	5981	3012	7314	4053	3472
								2%	4%	2%	6%	2%	2%
							grade 6 events	4296	26598	5674	24962	7841	5322
								2%	19%	3%	20%	4%	3%
							grade 7 events	112273	64651	113000	56827	117890	123710
								75%	48%	75%	46%	72%	77%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	149.3973634915495
[deg] Pointing Dec	0	3.828680858463341
[deg] Pointing Roll	0.0	62.27827514346649
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)	473617895.741153	473617895.741153
Observation start date	2013-01-03T16:31:36	2013-01-03T16:31:35
[s] Observation end time (MET)	473626194.194929	473626194.194929
Observation end date	2013-01-03T18:49:54	2013-01-03T18:49:54
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	Jen Lauer
V&V Date (YYYY-MM-DD)	2013.01.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.1250206223726

A.2 Comments