

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 58669 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Apr 14 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

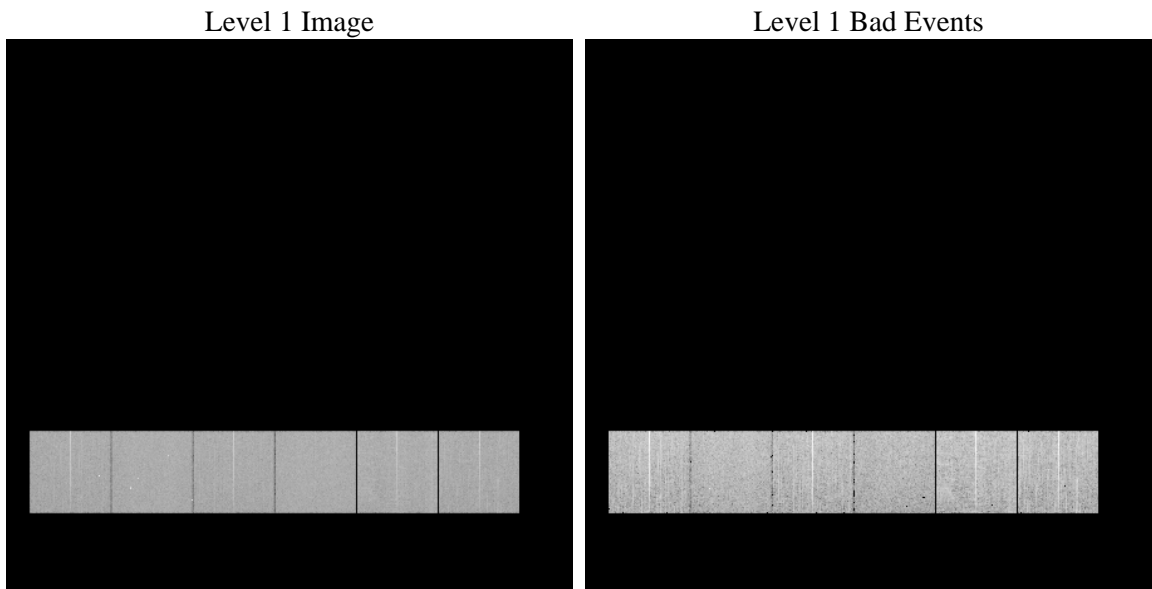
1 Front

seq_num	 	Sequence number
obs_id	58669	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	98.986513425431	Nominal RA [deg]
dec_nom	21.025725167265	Nominal Dec [deg]
roll_nom	83.196320240574	Nominal Roll [deg]
revision	2	Processing version of data
ontime	6600.3944383264	Sum of GTIs [s]
livetime	6516.8162696679	Livetime [s]
ontime4	6601.5999754667	Sum of GTIs [s]
ontime5	6600.4354583621	Sum of GTIs [s]
ontime6	6601.5999754667	Sum of GTIs [s]
ontime7	6600.3944383264	Sum of GTIs [s]
ontime8	6601.5999754667	Sum of GTIs [s]
ontime9	6600.3533783555	Sum of GTIs [s]
l2events	686242	Number of level 2 events

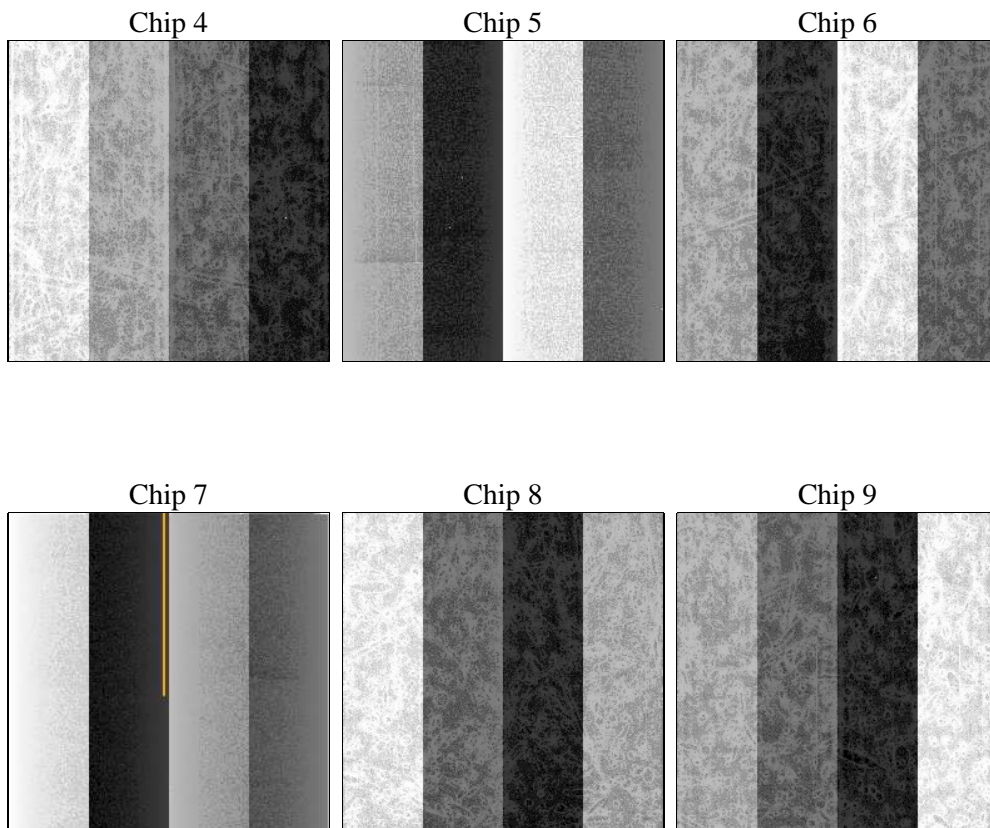
2 OBI

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	8.4.3.1	Processing system revision	ontime	6600.3944383264	Sum of GTIs [s]
caldsver	4.4.9	 	ontime4	6601.5999754667	Sum of GTIs [s]
date	2012-04-14T06:55:44	Date and time of file creation	ontime5	6600.4354583621	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	6601.5999754667	Sum of GTIs [s]
			ontime7	6600.3944383264	Sum of GTIs [s]
			ontime8	6601.5999754667	Sum of GTIs [s]
			ontime9	6600.3533783555	Sum of GTIs [s]
			l1events	1086542	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	172236	182925	177287	187435	191549	175110	grade 0 events	63628	22793	62989	30343	66321	62009
rejected events	61884	54099	59588	48988	65575	61556		36%	12%	35%	16%	34%	35%
rejected %	35%	29%	33%	26%	34%	35%	grade 1 events	597	162	367	118	393	463
								0%	0%	0%	0%	0%	0%
							grade 2 events	17205	47523	20793	30220	22496	19120
								9%	25%	11%	16%	11%	10%
							grade 3 events	7508	6703	7282	13341	8710	7490
								4%	3%	4%	7%	4%	4%
							grade 4 events	7608	6544	7360	13369	8525	7230
								4%	3%	4%	7%	4%	4%
							grade 5 events	3246	7414	3477	8125	4192	3744
								1%	4%	1%	4%	2%	2%
							grade 6 events	14452	45263	19351	51174	19998	17705
								8%	24%	10%	27%	10%	10%
							grade 7 events	57992	46523	55668	40745	60914	57349
								33%	25%	31%	21%	31%	32%

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	98.9865134254315
[deg] Pointing Dec	0	21.02572516726514
[deg] Pointing Roll	0.0	83.19632024057385
[mm] SIM focus pos	-0.684267	-0.7809083437167272
[mm] SIM defocus	0	0.7524282956875696
[mm] SIM translation stage pos	-190.132523	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	280999441.463266	280999440.43829
Observation start date	2006-11-27T07:24:01	2006-11-27T07:24:00
[s] Observation end time (MET)	281010843.563804	281010842.53883
Observation end date	2006-11-27T10:34:04	2006-11-27T10:34:02
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
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)	2012.04.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.6003944383264

A.2 Comments