

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 58002 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : May 8 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

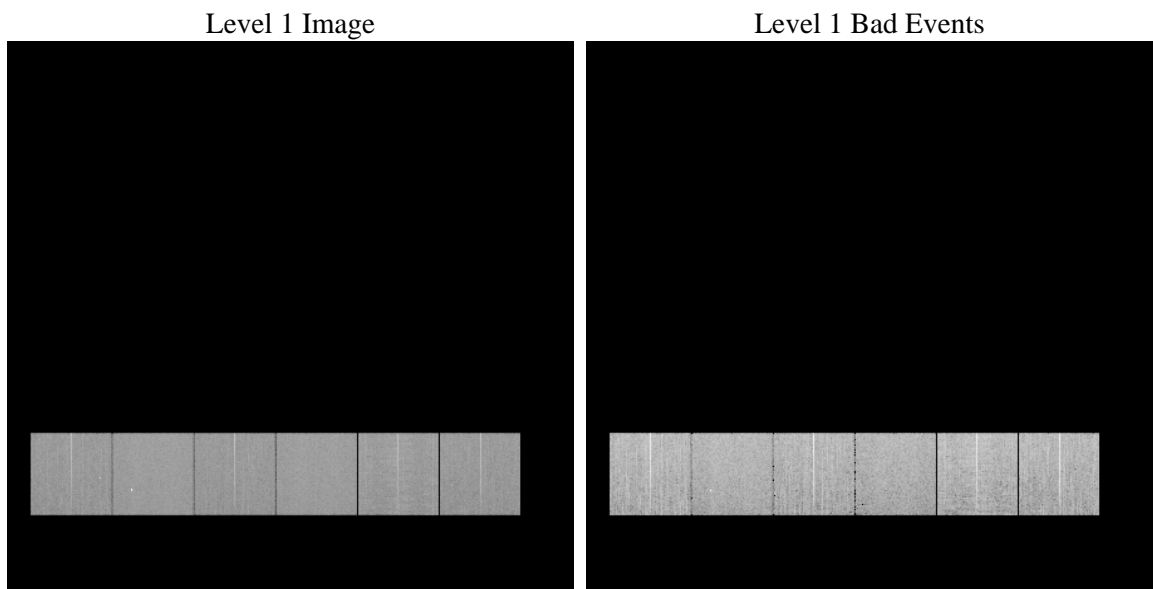
1 Front

seq_num	 	Sequence number
obs_id	58002	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtycle	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	126.96125080636	Nominal RA [deg]
dec_nom	46.985023596329	Nominal Dec [deg]
roll_nom	173.28849465527	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8269.6629313827	Sum of GTIs [s]
livetime	8164.9474799523	Livetime [s]
ontime4	8271.999969244	Sum of GTIs [s]
ontime5	8269.7039812803	Sum of GTIs [s]
ontime6	8269.7450212836	Sum of GTIs [s]
ontime7	8269.6629313827	Sum of GTIs [s]
ontime8	8271.999969244	Sum of GTIs [s]
ontime9	8269.6218913794	Sum of GTIs [s]
l2events	665384	Number of level 2 events

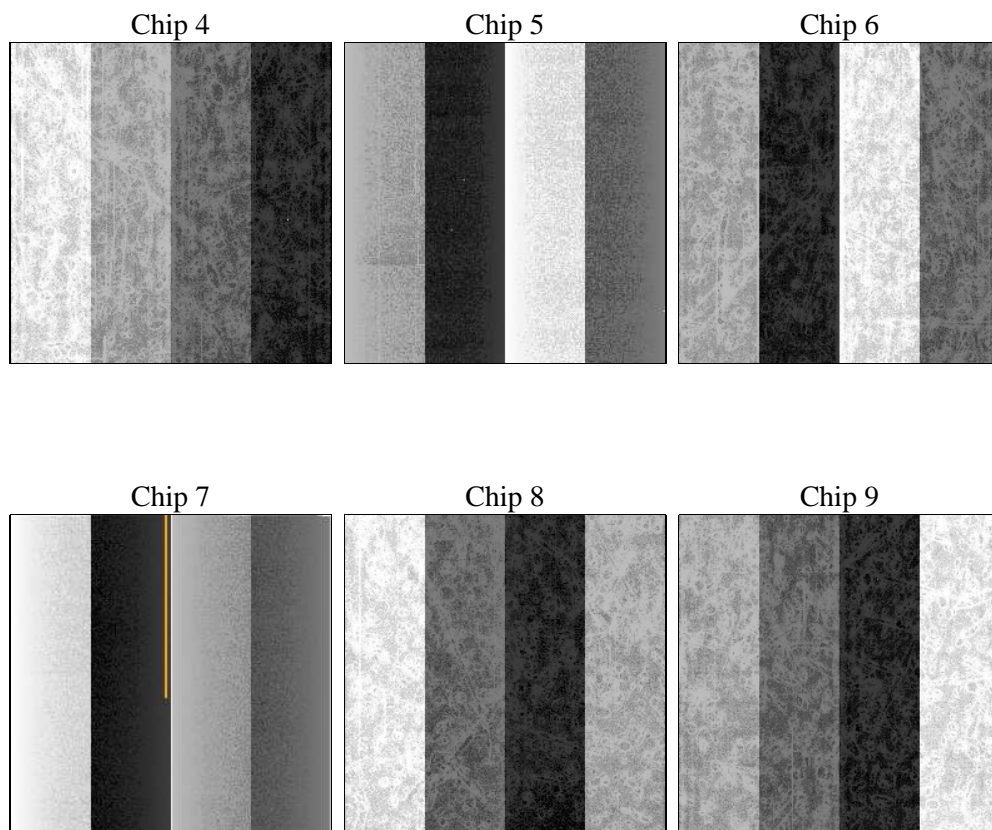
2 OBI

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	8.4.4	Processing system revision	ontime	8269.6629313827	Sum of GTIs [s]
caldsver	4.4.9	 	ontime4	8271.999969244	Sum of GTIs [s]
date	2012-05-08T15:10:00	Date and time of file creation	ontime5	8269.7039812803	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8269.7450212836	Sum of GTIs [s]
			ontime7	8269.6629313827	Sum of GTIs [s]
			ontime8	8271.999969244	Sum of GTIs [s]
			ontime9	8269.6218913794	Sum of GTIs [s]
			l1events	1166889	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	184485	206953	183531	205145	203618	183157	grade 0 events	58567	22287	57905	28834	61793	57323
rejected events	81586	70279	74487	64799	82294	76754		31%	10%	31%	14%	30%	31%
rejected %	44%	33%	40%	31%	40%	41%	grade 1 events	569	191	364	178	379	445
								0%	0%	0%	0%	0%	0%
							grade 2 events	16543	49473	19087	30442	22259	18519
								8%	23%	10%	14%	10%	10%
							grade 3 events	7245	6950	7178	13322	8550	7035
								3%	3%	3%	6%	4%	3%
							grade 4 events	6985	6781	7156	13428	8396	7024
								3%	3%	3%	6%	4%	3%
							grade 5 events	4145	9656	4331	10830	5501	4776
								2%	4%	2%	5%	2%	2%
							grade 6 events	13559	51183	17718	54320	20326	16502
								7%	24%	9%	26%	9%	9%
							grade 7 events	76872	60432	69792	53791	76414	71533
								41%	29%	38%	26%	37%	39%

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	126.9612508063594
[deg] Pointing Dec	0	46.98502359632896
[deg] Pointing Roll	0.0	173.288494655267
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.8505141146731063
[mm] SIM translation stage pos	-190.132523	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	317364743.7541	317364742.72913
Observation start date	2008-01-22T04:52:24	2008-01-22T04:52:22
[s] Observation end time (MET)	317388423.305246	317388422.28027
Observation end date	2008-01-22T11:27:03	2008-01-22T11:27:02
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)	2012.05.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2696629313827

A.2 Comments