

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 60221 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 1 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

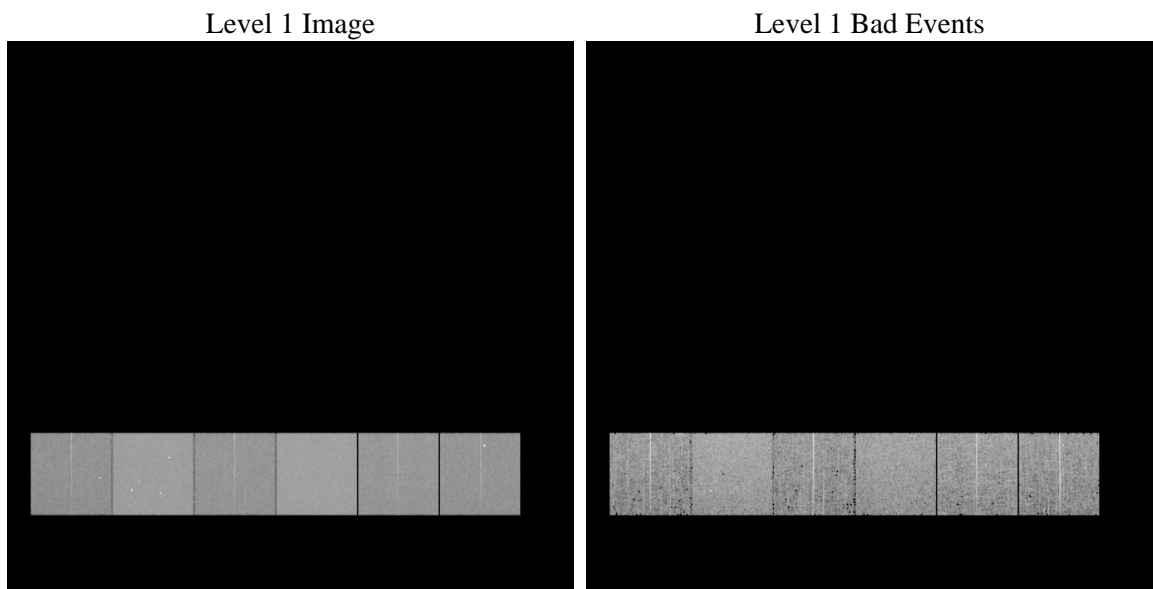
1 Front

seq_num	 	Sequence number
obs_id	60221	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	230.02999929871	Nominal RA [deg]
dec_nom	-30.011831105547	Nominal Dec [deg]
roll_nom	302.8222235111	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7798.1269107461	Sum of GTIs [s]
livetime	7699.3823323339	Livetime [s]
ontime4	4800.0948631763	Sum of GTIs [s]
ontime5	7798.0858707428	Sum of GTIs [s]
ontime6	5260.1782505214	Sum of GTIs [s]
ontime7	7798.1269107461	Sum of GTIs [s]
ontime8	5328.2382780015	Sum of GTIs [s]
ontime9	5185.6357245743	Sum of GTIs [s]
l2events	1080072	Number of level 2 events

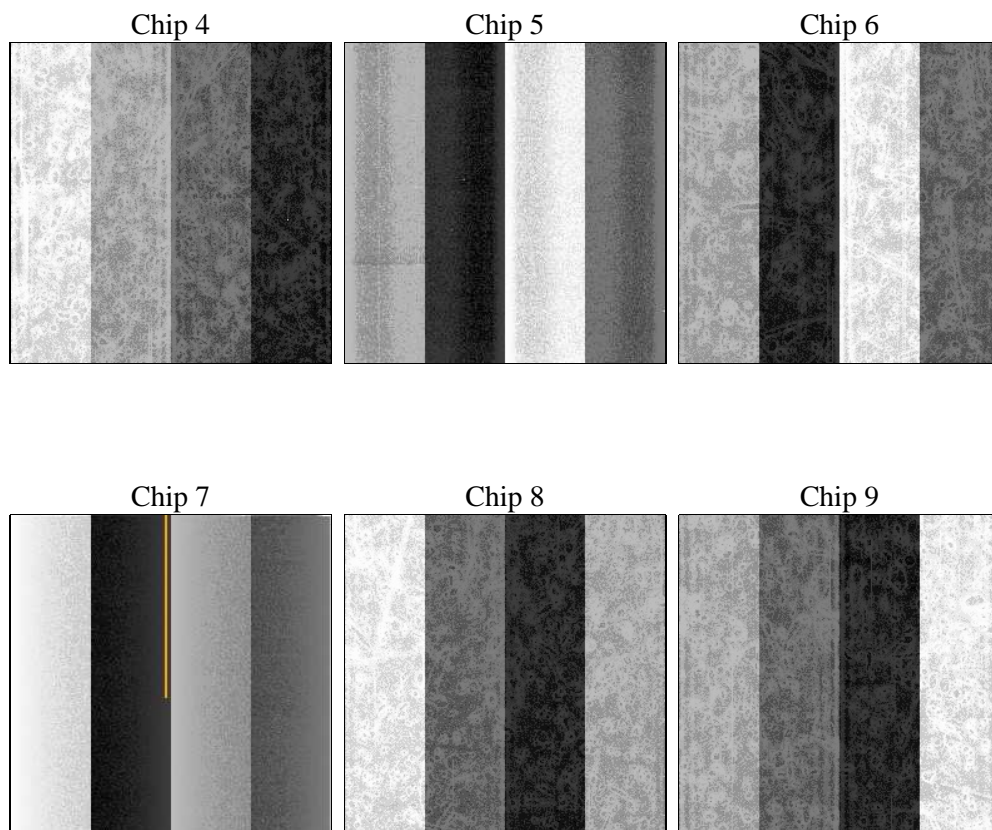
2 OBI

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	8.4.5	Processing system revision	ontime	7798.1269107461	Sum of GTIs [s]
caldsver	4.5.2	 	ontime4	4800.0948631763	Sum of GTIs [s]
date	2012-12-01T22:17:34	Date and time of file creation	ontime5	7798.0858707428	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	5260.1782505214	Sum of GTIs [s]
			ontime7	7798.1269107461	Sum of GTIs [s]
			ontime8	5328.2382780015	Sum of GTIs [s]
			ontime9	5185.6357245743	Sum of GTIs [s]
			l1events	1413941	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	182269	291275	208509	308233	220662	202993	grade 0 events	83413	55611	92067	63494	95143	90945
rejected events	39297	54408	39373	47366	45344	40165		45%	19%	44%	20%	43%	44%
rejected %	21%	18%	18%	15%	20%	19%	grade 1 events	631	615	458	210	514	550
								0%	0%	0%	0%	0%	0%
							grade 2 events	22672	83745	29339	57518	30865	27405
								12%	28%	14%	18%	13%	13%
							grade 3 events	9415	14358	10392	26342	11619	10321
								5%	4%	4%	8%	5%	5%
							grade 4 events	9567	14228	10714	26109	11511	10220
								5%	4%	5%	8%	5%	5%
							grade 5 events	2311	8808	2802	8500	3240	2773
								1%	3%	1%	2%	1%	1%
							grade 6 events	18001	69017	26624	87507	26180	23937
								9%	23%	12%	28%	11%	11%
							grade 7 events	36259	44893	36113	38553	41590	36842
								19%	15%	17%	12%	18%	18%

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	230.0299992987149
[deg] Pointing Dec	0	-30.01183110554676
[deg] Pointing Roll	0.0	302.8222235111029
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.8505141146731063
[mm] SIM translation stage pos	-190.132523	250.4635187648994
[mm] SIM translation stage offset	0	-0.007540371344731511
[s] Observation start time (MET)	201950683.440336	201950682.41533
Observation start date	2004-05-26T09:24:43	2004-05-26T09:24:42
[s] Observation end time (MET)	201969434.791165	201969433.76616
Observation end date	2004-05-26T14:37:15	2004-05-26T14:37:13
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	0.000000	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)	2012.12.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7981269107461

A.2 Comments