

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 56786 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jun 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

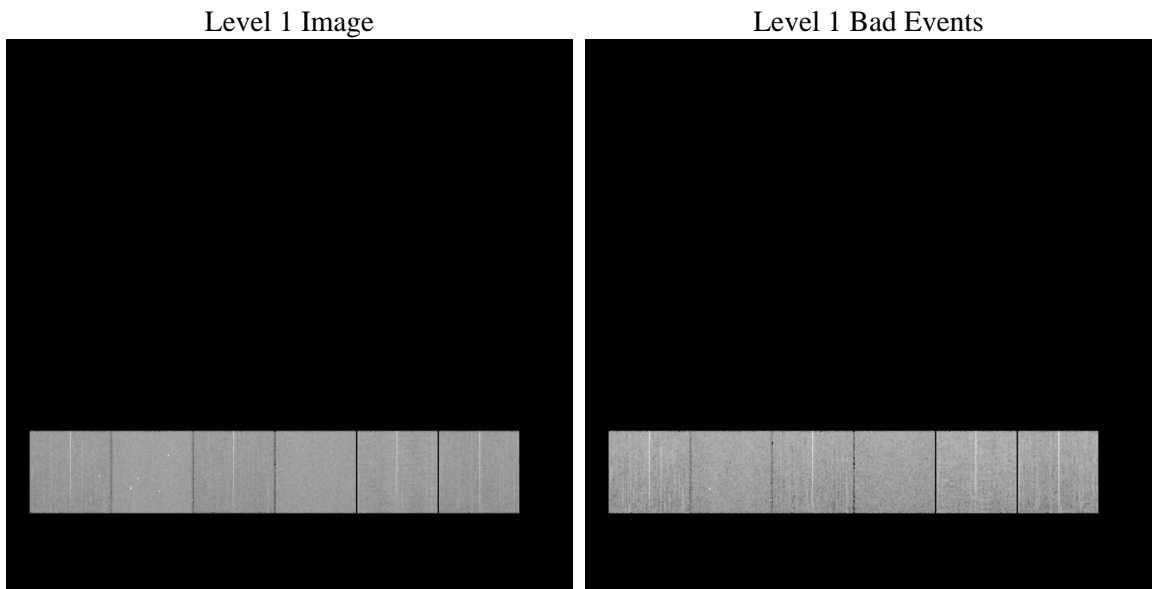
1 Front

seq_num	 	Sequence number
obs_id	56786	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	38.038259351945	Nominal RA [deg]
dec_nom	11.189640407371	Nominal Dec [deg]
roll_nom	138.01619463568	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8223.9999694228	Sum of GTIs [s]
livetime	8119.8627299117	Livetime [s]
ontime4	8223.9999694228	Sum of GTIs [s]
ontime5	8223.9999694228	Sum of GTIs [s]
ontime6	8223.9999694228	Sum of GTIs [s]
ontime7	8223.9999694228	Sum of GTIs [s]
ontime8	8223.9999694228	Sum of GTIs [s]
ontime9	8223.9999694228	Sum of GTIs [s]
l2events	486356	Number of level 2 events

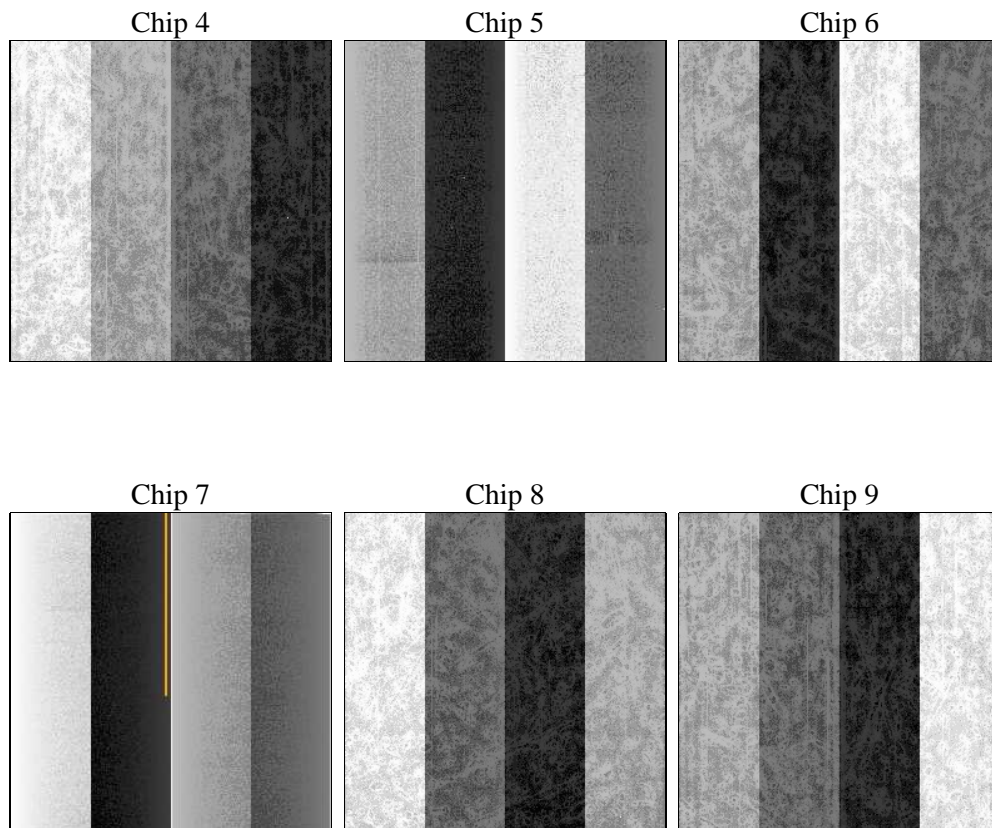
2 OBI

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	8223.9999694228	Sum of GTIs [s]
caldsver	4.4.10	 	ontime4	8223.9999694228	Sum of GTIs [s]
date	2012-06-14T14:44:50	Date and time of file creation	ontime5	8223.9999694228	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8223.9999694228	Sum of GTIs [s]
			ontime7	8223.9999694228	Sum of GTIs [s]
			ontime8	8223.9999694228	Sum of GTIs [s]
			ontime9	8223.9999694228	Sum of GTIs [s]
			l1events	1025514	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	155373	193755	155790	183569	180521	156506	grade 0 events	41382	17884	40005	20210	44318	39719
rejected events	84349	79012	81005	73961	91676	83332		26%	9%	25%	11%	24%	25%
rejected %	54%	40%	51%	40%	50%	53%	grade 1 events	434	247	261	157	309	300
								0%	0%	0%	0%	0%	0%
							grade 2 events	11827	41289	13782	23994	16992	13138
								7%	21%	8%	13%	9%	8%
							grade 3 events	4993	5451	5129	10372	6880	5113
								3%	2%	3%	5%	3%	3%
							grade 4 events	4992	5069	5006	10230	6563	5063
								3%	2%	3%	5%	3%	3%
							grade 5 events	4624	10478	4643	11513	6090	5135
								2%	5%	2%	6%	3%	3%
							grade 6 events	9506	47748	12606	47374	16178	11817
								6%	24%	8%	25%	8%	7%
							grade 7 events	77615	65589	74358	59719	83191	76221
								49%	33%	47%	32%	46%	48%

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	38.03825935194464
[deg] Pointing Dec	0	11.1896404073707
[deg] Pointing Roll	0.0	138.0161946356812
[mm] SIM focus pos	-0.78090834371673	-0.78090834371673
[mm] SIM defocus	0.7524282194390134	0.7524282194390134
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	371066799.864769	371066799.864769
Observation start date	2009-10-04T18:06:40	2009-10-04T18:06:39
[s] Observation end time (MET)	371076798.049993	371076798.049993
Observation end date	2009-10-04T20:53:18	2009-10-04T20:53:18
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.06.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2239999694228

A.2 Comments