

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 58694 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Apr 13 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

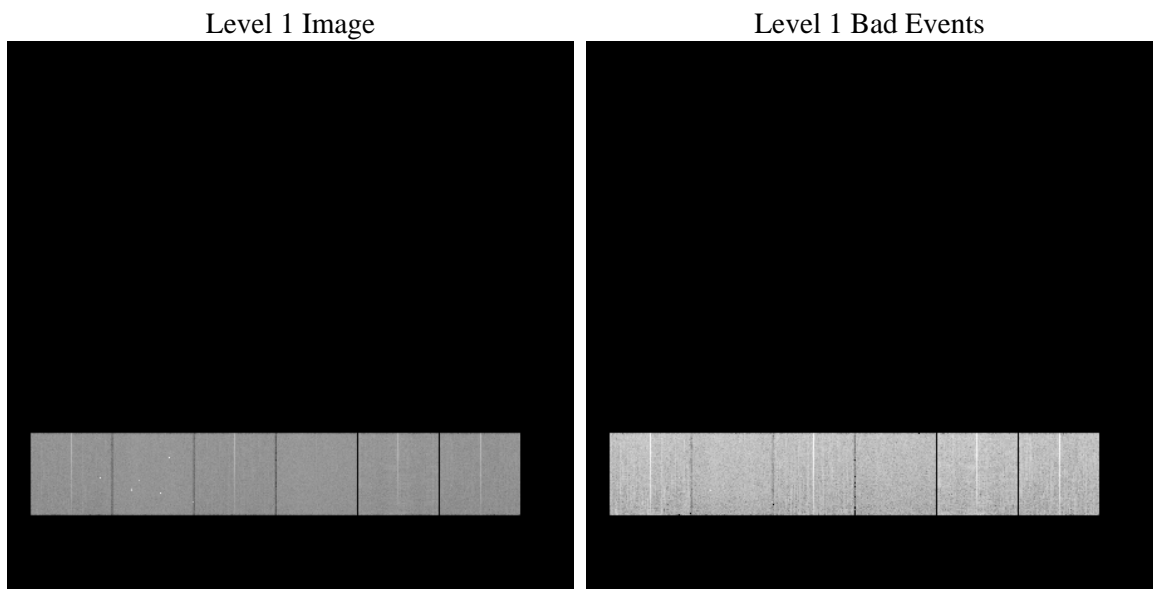
1 Front

seq_num	 	Sequence number
obs_id	58694	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	87.994479517591	Nominal RA [deg]
dec_nom	8.0275780190602	Nominal Dec [deg]
roll_nom	66.707321265558	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8255.4691924453	Sum of GTIs [s]
livetime	8150.9334706838	Livetime [s]
ontime4	8255.3460724354	Sum of GTIs [s]
ontime5	8255.428152442	Sum of GTIs [s]
ontime6	8255.3871124387	Sum of GTIs [s]
ontime7	8255.4691924453	Sum of GTIs [s]
ontime8	8255.3050324321	Sum of GTIs [s]
ontime9	8255.5102324486	Sum of GTIs [s]
l2events	843326	Number of level 2 events

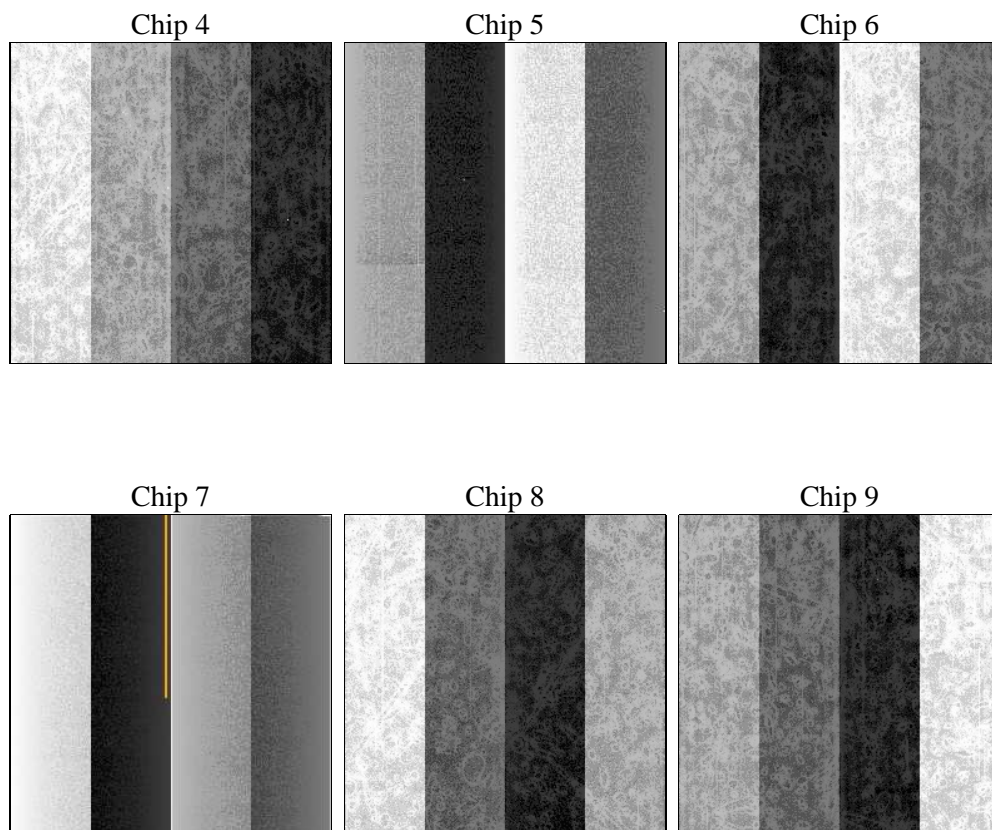
2 OBI

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	8255.4691924453	Sum of GTIs [s]
caldsver	4.4.9	 	ontime4	8255.3460724354	Sum of GTIs [s]
date	2012-04-13T17:46:45	Date and time of file creation	ontime5	8255.428152442	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8255.3871124387	Sum of GTIs [s]
			ontime7	8255.4691924453	Sum of GTIs [s]
			ontime8	8255.3050324321	Sum of GTIs [s]
			ontime9	8255.5102324486	Sum of GTIs [s]
			l1events	1356827	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	215957	234265	219176	235500	236958	214971	grade 0 events	79307	33597	77091	37332	80998	75629
rejected events	79838	69317	75332	63587	82867	76332		36%	14%	35%	15%	34%	35%
rejected %	36%	29%	34%	27%	34%	35%	grade 1 events	744	243	490	166	552	564
								0%	0%	0%	0%	0%	0%
							grade 2 events	21401	58222	25590	37557	27474	24009
								9%	24%	11%	15%	11%	11%
							grade 3 events	9126	8550	9201	16613	10637	9106
								4%	3%	4%	7%	4%	4%
							grade 4 events	9265	8187	9247	16443	10517	9102
								4%	3%	4%	6%	4%	4%
							grade 5 events	4095	9841	4289	10726	5413	4697
								1%	4%	1%	4%	2%	2%
							grade 6 events	17326	56781	23064	64363	24833	21115
								8%	24%	10%	27%	10%	9%
							grade 7 events	74693	58844	70204	52300	76534	70749
								34%	25%	32%	22%	32%	32%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
[deg] Pointing RA	0	87.99447951759124	Alternating exposures requested	N	N
[deg] Pointing Dec	0	8.027578019060204	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	66.70732126555782			
[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)	280357385.532974	280357384.50797			
Observation start date	2006-11-19T21:03:06	2006-11-19T21:03:04			
[s] Observation end time (MET)	280379603.434023	280379602.40901			
Observation end date	2006-11-20T03:13:23	2006-11-20T03:13:22			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.04.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2554691924453

A.2 Comments