

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 57859 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : May 12 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

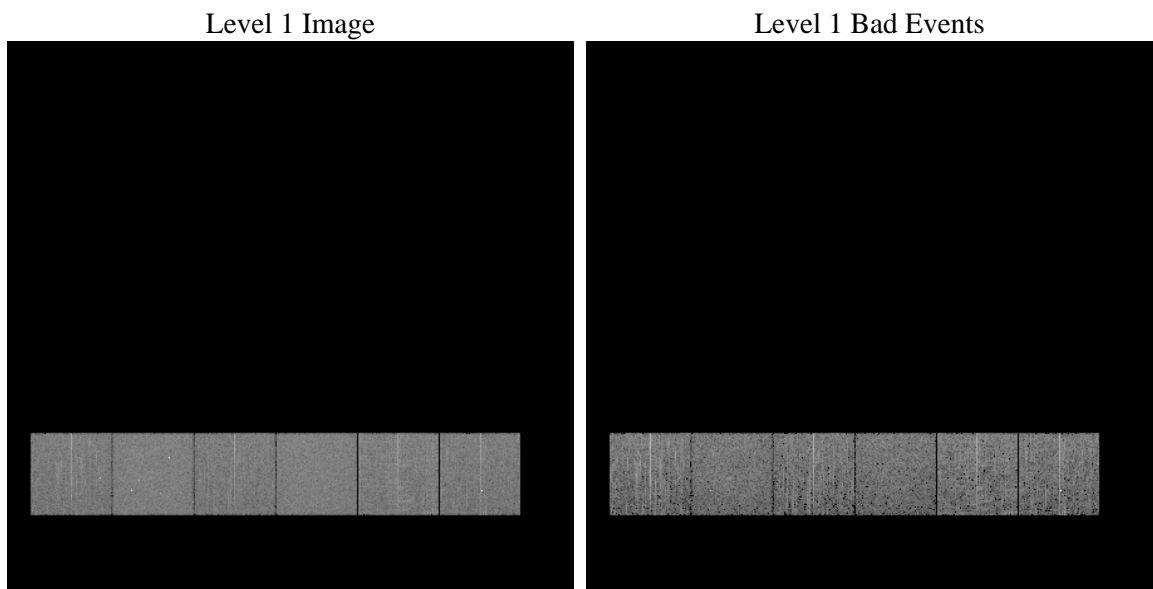
1 Front

seq_num	 	Sequence number
obs_id	57859	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	350.16762105379	Nominal RA [deg]
dec_nom	-29.69419790548	Nominal Dec [deg]
roll_nom	135.55678021547	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3238.3999879956	Sum of GTIs [s]
livetime	3197.3934174173	Livetime [s]
ontime4	3238.3999879956	Sum of GTIs [s]
ontime5	3238.3999879956	Sum of GTIs [s]
ontime6	3238.3999879956	Sum of GTIs [s]
ontime7	3238.3999879956	Sum of GTIs [s]
ontime8	3238.3999879956	Sum of GTIs [s]
ontime9	3238.3999879956	Sum of GTIs [s]
l2events	250379	Number of level 2 events

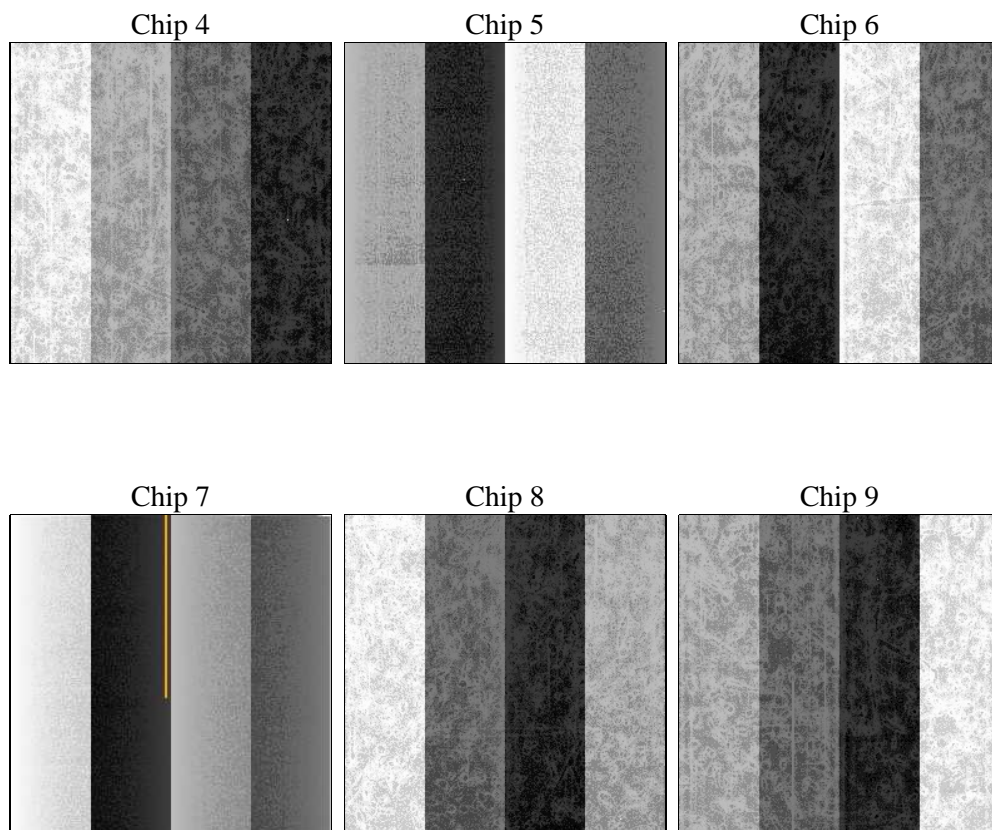
2 OBI

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	3238.3999879956	Sum of GTIs [s]
caldsver	4.4.9	 	ontime4	3238.3999879956	Sum of GTIs [s]
date	2012-05-13T01:35:34	Date and time of file creation	ontime5	3238.3999879956	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	3238.3999879956	Sum of GTIs [s]
			ontime7	3238.3999879956	Sum of GTIs [s]
			ontime8	3238.3999879956	Sum of GTIs [s]
			ontime9	3238.3999879956	Sum of GTIs [s]
			l1events	451391	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	71234	81239	70555	79068	77941	71354	grade 0 events	21991	10129	21502	10824	23153	22243
rejected events	32678	27978	29832	25685	32279	30804		30%	12%	30%	13%	29%	31%
rejected %	45%	34%	42%	32%	41%	43%	grade 1 events	229	208	139	51	144	1105
								0%	0%	0%	0%	0%	1%
							grade 2 events	6070	18258	7179	11461	8481	6881
								8%	22%	10%	14%	10%	9%
							grade 3 events	2683	2748	2685	5247	3094	2650
								3%	3%	3%	6%	3%	3%
							grade 4 events	2752	2756	2579	5061	3244	2644
								3%	3%	3%	6%	4%	3%
							grade 5 events	1660	3872	1722	4419	2208	1883
								2%	4%	2%	5%	2%	2%
							grade 6 events	5060	19370	6778	20790	7723	6132
								7%	23%	9%	26%	9%	8%
							grade 7 events	30789	23898	27971	21215	29894	27816
								43%	29%	39%	26%	38%	38%

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	350.1676210537906	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-29.69419790548033	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	135.5567802154723			
[mm] SIM focus pos	-1.429586	-0.6828225247311905			
[mm] SIM defocus	0.1037507710433287	0.8505141146731063			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	324644404.807865	324644403.78287			
Observation start date	2008-04-15T11:00:05	2008-04-15T11:00:03			
[s] Observation end time (MET)	324655105.808386	324655104.78339			
Observation end date	2008-04-15T13:58:26	2008-04-15T13:58:24			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.05.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2383999879956

A.2 Comments