

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 59492 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 27 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

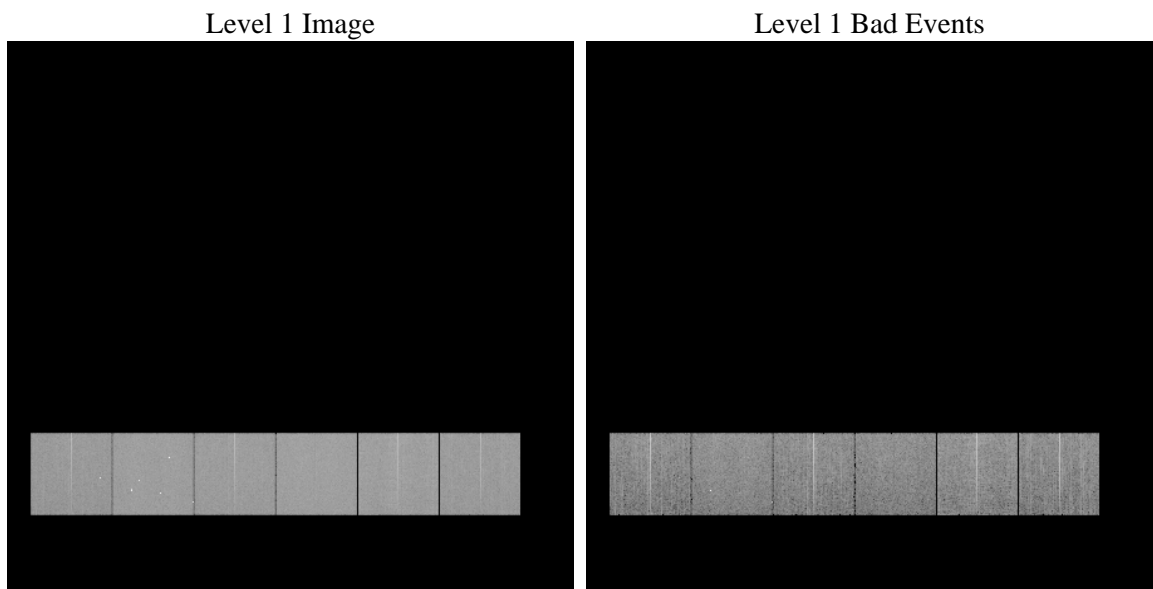
1 Front

seq_num	 	Sequence number
obs_id	59492	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	305.00669343479	Nominal RA [deg]
dec_nom	-0.62968745523214	Nominal Dec [deg]
roll_nom	245.6747927958	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8207.9999694228	Sum of GTIs [s]
livetime	8104.0653315458	Livetime [s]
ontime4	6999.1155076027	Sum of GTIs [s]
ontime5	8207.9999694228	Sum of GTIs [s]
ontime6	7644.0701857805	Sum of GTIs [s]
ontime7	8207.9999694228	Sum of GTIs [s]
ontime8	7883.9021801054	Sum of GTIs [s]
ontime9	7443.1293385625	Sum of GTIs [s]
l2events	1049393	Number of level 2 events

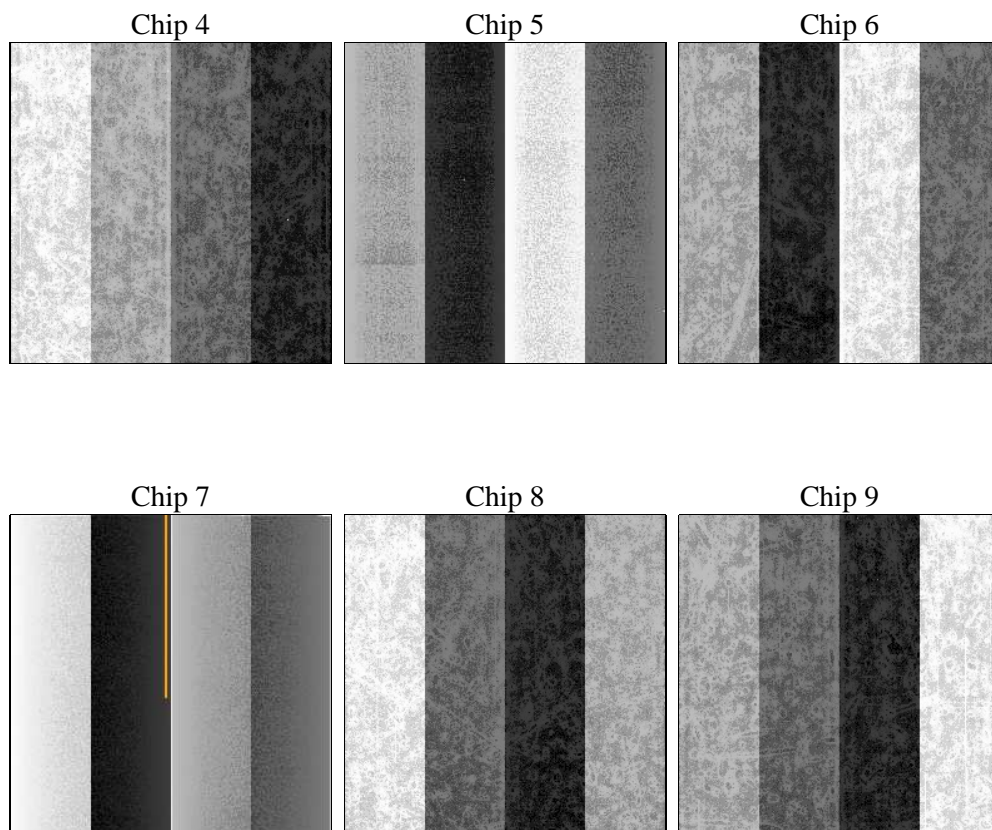
2 OBI

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	8.5.1.1	Processing system revision	ontime	8207.9999694228	Sum of GTIs [s]
caldsver	4.5.5	 	ontime4	6999.1155076027	Sum of GTIs [s]
date	2012-12-28T01:44:43	Date and time of file creation	ontime5	8207.9999694228	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	7644.0701857805	Sum of GTIs [s]
			ontime7	8207.9999694228	Sum of GTIs [s]
			ontime8	7883.9021801054	Sum of GTIs [s]
			ontime9	7443.1293385625	Sum of GTIs [s]
			l1events	1486682	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	216359	259322	243296	268098	267068	232539	grade 0 events	93019	42654	99952	50395	107150	95415
rejected events	58303	61616	59816	54426	68599	60012		42%	16%	41%	18%	40%	41%
rejected %	26%	23%	24%	20%	25%	25%	grade 1 events	717	342	495	161	589	578
								0%	0%	0%	0%	0%	0%
							grade 2 events	24879	72552	32052	47305	35055	29553
								11%	27%	13%	17%	13%	12%
							grade 3 events	10541	10801	11501	21088	13295	11299
								4%	4%	4%	7%	4%	4%
							grade 4 events	10620	10521	11750	21129	13183	11269
								4%	4%	4%	7%	4%	4%
							grade 5 events	3181	9385	3660	9029	4621	3903
								1%	3%	1%	3%	1%	1%
							grade 6 events	20435	62854	29705	75415	31362	26604
								9%	24%	12%	28%	11%	11%
							grade 7 events	52967	50213	54181	43576	61813	53918
								24%	19%	22%	16%	23%	23%

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	305.0066934347896	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-0.6296874552321398	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	245.6747927958016			
[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)	241060277.702932	241060276.67791			
Observation start date	2005-08-22T01:11:18	2005-08-22T01:11:16			
[s] Observation end time (MET)	241084149.954028	241084148.92901			
Observation end date	2005-08-22T07:49:10	2005-08-22T07:49:08			
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)	2013.01.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2079999694228

A.2 Comments