

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 59482 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 28 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

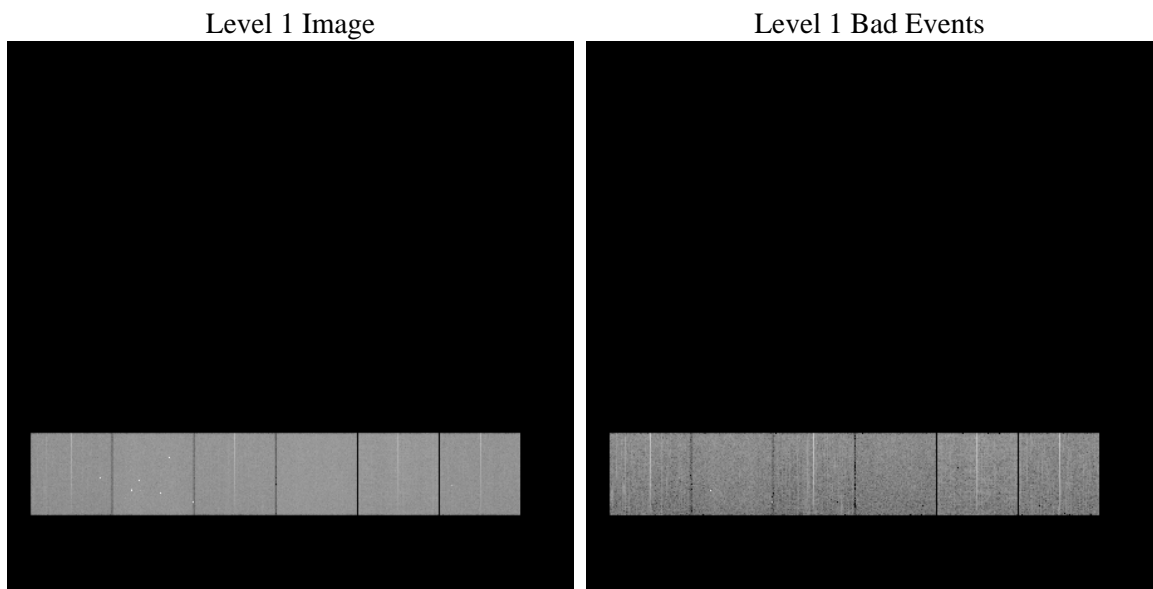
1 Front

seq_num	 	Sequence number
obs_id	59482	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	339.97568272124	Nominal RA [deg]
dec_nom	21.981291115447	Nominal Dec [deg]
roll_nom	181.63693206446	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8278.3999691606	Sum of GTIs [s]
livetime	8173.573884097	Livetime [s]
ontime4	7199.153998971	Sum of GTIs [s]
ontime5	8278.3999691606	Sum of GTIs [s]
ontime6	7766.3251722455	Sum of GTIs [s]
ontime7	8278.3999691606	Sum of GTIs [s]
ontime8	8002.9167441726	Sum of GTIs [s]
ontime9	7552.4207218289	Sum of GTIs [s]
l2events	1040262	Number of level 2 events

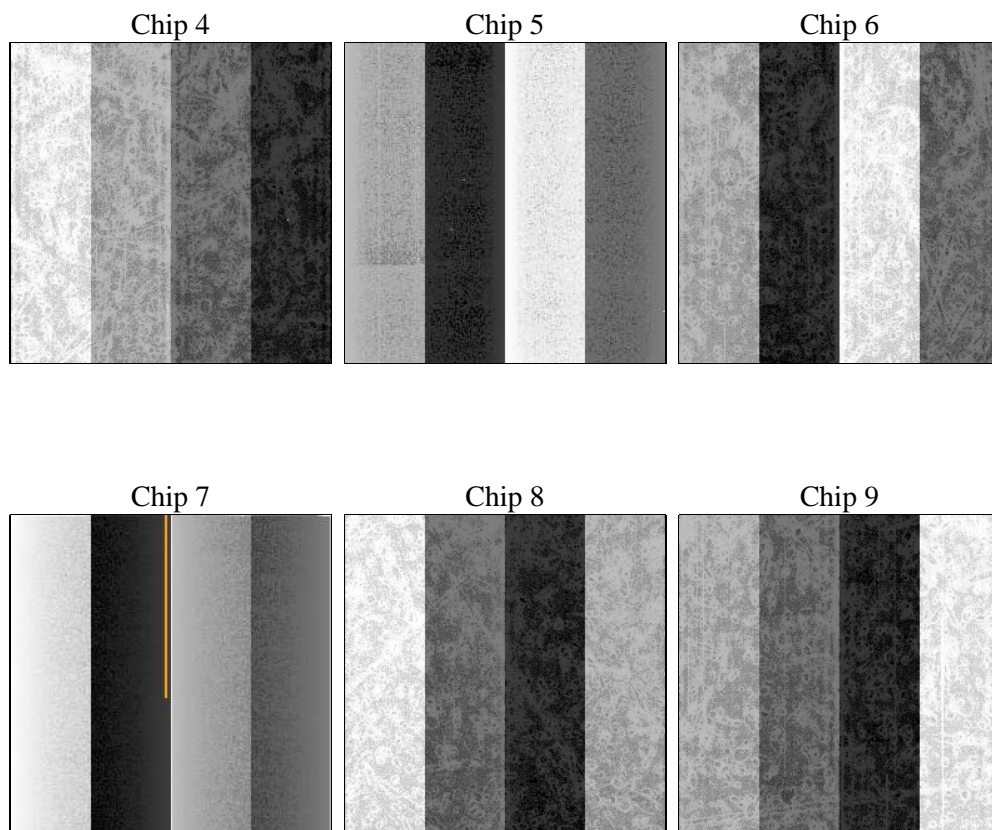
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	8278.3999691606	Sum of GTIs [s]
caldbver	4.5.5	 	ontime4	7199.153998971	Sum of GTIs [s]
date	2012-12-28T21:20:38	Date and time of file creation	ontime5	8278.3999691606	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	7766.3251722455	Sum of GTIs [s]
			ontime7	8278.3999691606	Sum of GTIs [s]
			ontime8	8002.9167441726	Sum of GTIs [s]
			ontime9	7552.4207218289	Sum of GTIs [s]
			l1events	1487078	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	220331	261698	243516	264898	265201	231434	grade 0 events	92845	42906	98308	49182	105142	93743
rejected events	62254	60167	61345	52570	69483	61123		42%	16%	40%	18%	39%	40%
rejected %	28%	22%	25%	19%	26%	26%	grade 1 events	805	235	565	166	592	575
								0%	0%	0%	0%	0%	0%
							grade 2 events	23975	73457	31757	46591	34419	28761
								10%	28%	13%	17%	12%	12%
							grade 3 events	10702	10229	11293	20760	13057	11048
								4%	3%	4%	7%	4%	4%
							grade 4 events	10508	10062	11215	20510	13069	10836
								4%	3%	4%	7%	4%	4%
							grade 5 events	3302	8879	3471	9093	4617	3717
								1%	3%	1%	3%	1%	1%
							grade 6 events	20107	64951	29667	75370	30104	25986
								9%	24%	12%	28%	11%	11%
							grade 7 events	58087	50979	57240	43226	64201	56768
								26%	19%	23%	16%	24%	24%

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	339.9756827212401	Alternating exposures requested	N	N
[deg] Pointing Dec	0	21.98129111544684	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	181.6369320644593			
[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)	241971457.644702	241971456.61972			
Observation start date	2005-09-01T14:17:38	2005-09-01T14:17:36			
[s] Observation end time (MET)	241995038.795784	241995037.7708			
Observation end date	2005-09-01T20:50:39	2005-09-01T20:50:37			
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)	2013.01.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2783999691606

A.2 Comments