

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 53941 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Feb 15 2013

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

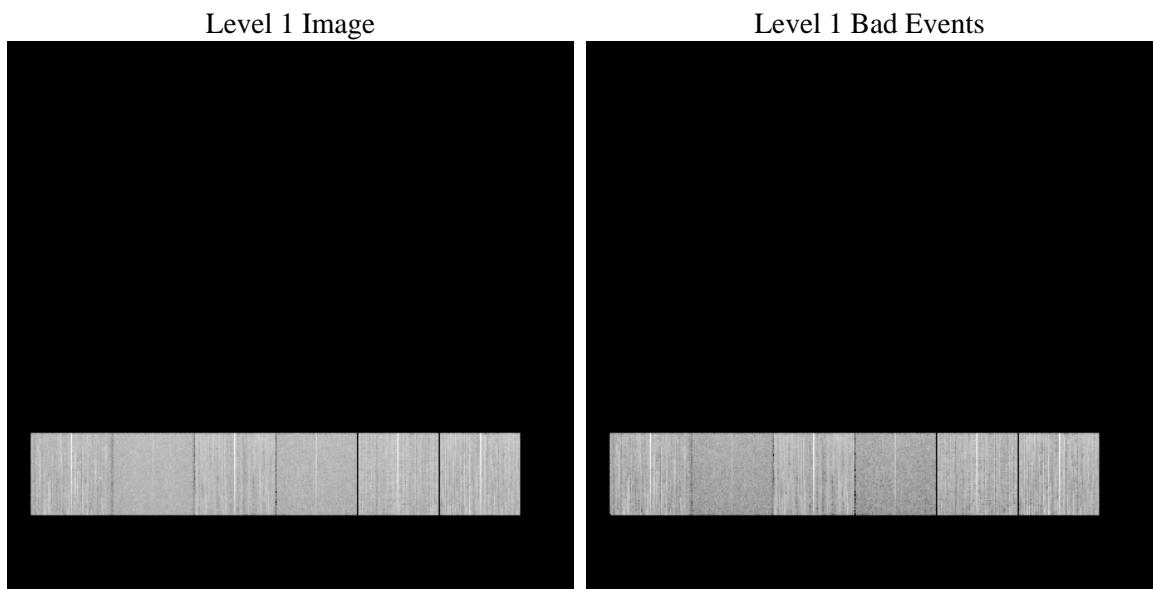
1 Front

seq_num	 	Sequence number
obs_id	53941	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	181.45257695244	Nominal RA [deg]
dec_nom	-1.9424123465859	Nominal Dec [deg]
roll_nom	65.186789849177	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8278.3999692202	Sum of GTIs [s]
livetime	8173.5738841559	Livetime [s]
ontime4	8275.1589189172	Sum of GTIs [s]
ontime5	8278.3999692202	Sum of GTIs [s]
ontime6	8278.3999692202	Sum of GTIs [s]
ontime7	8278.3999692202	Sum of GTIs [s]
ontime8	8278.3999692202	Sum of GTIs [s]
ontime9	8278.3999692202	Sum of GTIs [s]
l2events	259016	Number of level 2 events

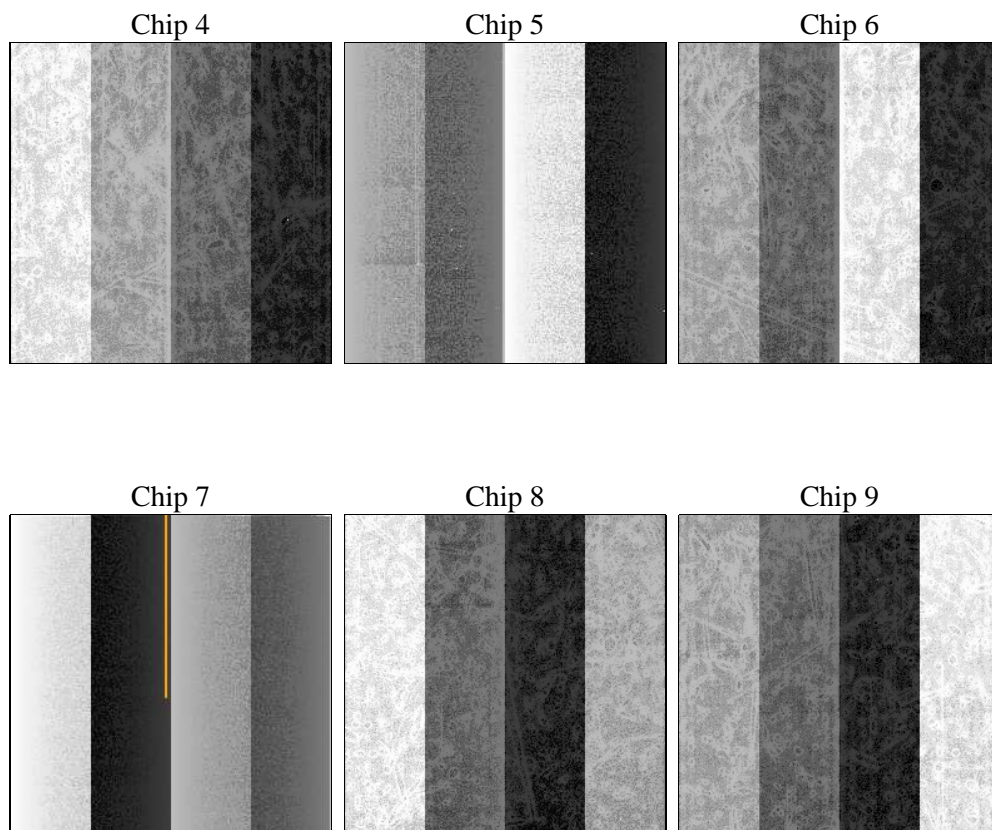
2 OBI

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	8278.3999692202	Sum of GTIs [s]
caldsver	4.5.5	 	ontime4	8275.1589189172	Sum of GTIs [s]
date	2013-02-15T22:31:02	Date and time of file creation	ontime5	8278.3999692202	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8278.3999692202	Sum of GTIs [s]
			ontime7	8278.3999692202	Sum of GTIs [s]
			ontime8	8278.3999692202	Sum of GTIs [s]
			ontime9	8278.3999692202	Sum of GTIs [s]
			l1events	987863	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	162973	145298	176806	138643	180528	183615	grade 0 events	18980	5300	17203	8883	20928	17854
rejected events	127823	79781	140189	75263	134174	147863		11%	3%	9%	6%	11%	9%
rejected %	78%	54%	79%	54%	74%	80%	grade 1 events	137	135	86	82	126	97
								0%	0%	0%	0%	0%	0%
							grade 2 events	6553	24762	8338	15882	9566	7292
								4%	17%	4%	11%	5%	3%
							grade 3 events	2412	2268	2270	5087	3470	2391
								1%	1%	1%	3%	1%	1%
							grade 4 events	2501	2040	2263	4931	3407	2340
								1%	1%	1%	3%	1%	1%
							grade 5 events	3395	6374	3299	7896	4536	3715
								2%	4%	1%	5%	2%	2%
							grade 6 events	4716	31147	6554	28597	8994	5875
								2%	21%	3%	20%	4%	3%
							grade 7 events	124279	73272	136793	67285	129501	144051
								76%	50%	77%	48%	71%	78%

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	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	181.4525769524442	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-1.942412346585935	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	65.18678984917707	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	477306212.890329	477306211.86533			
Observation start date	2013-02-15T09:03:33	2013-02-15T09:03:31			
[s] Observation end time (MET)	477316696.590896	477316695.5659			
Observation end date	2013-02-15T11:58:17	2013-02-15T11:58:15			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2013.02.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2783999692202

A.2 Comments