

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 60279 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Nov 30 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

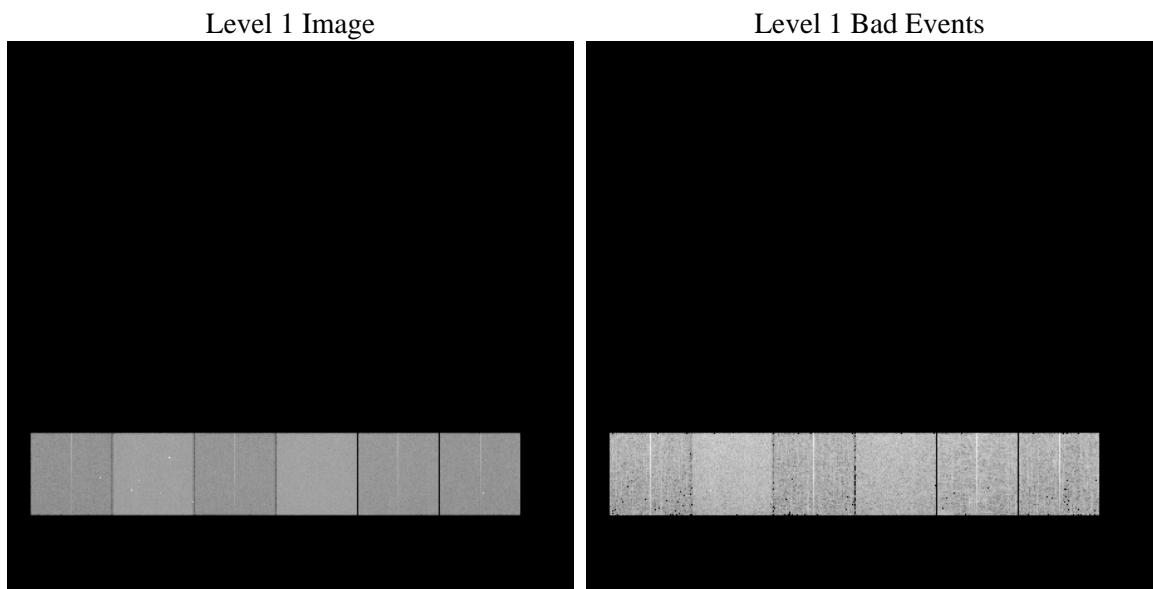
1 Front

seq_num	 	Sequence number
obs_id	60279	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	72.071074800911	Nominal RA [deg]
dec_nom	67.989458476966	Nominal Dec [deg]
roll_nom	305.53637625667	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7796.1626033187	Sum of GTIs [s]
livetime	7697.4428981499	Livetime [s]
ontime4	4552.0780694783	Sum of GTIs [s]
ontime5	7798.3999709487	Sum of GTIs [s]
ontime6	4859.9296720922	Sum of GTIs [s]
ontime7	7796.1626033187	Sum of GTIs [s]
ontime8	5059.785200119	Sum of GTIs [s]
ontime9	4814.4335765243	Sum of GTIs [s]
l2events	1098361	Number of level 2 events

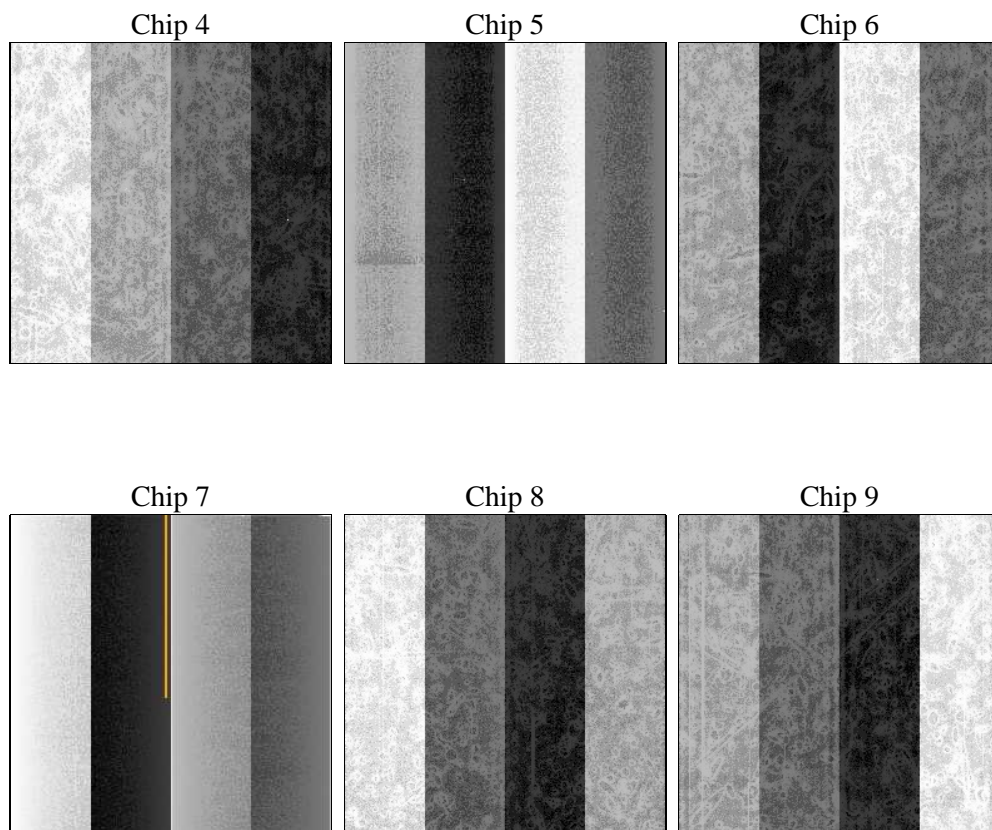
2 OBI

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	8.4.5	Processing system revision	ontime	7796.1626033187	Sum of GTIs [s]
caldsver	4.5.2	 	ontime4	4552.0780694783	Sum of GTIs [s]
date	2012-11-29T21:56:03	Date and time of file creation	ontime5	7798.3999709487	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	4859.9296720922	Sum of GTIs [s]
			ontime7	7796.1626033187	Sum of GTIs [s]
			ontime8	5059.785200119	Sum of GTIs [s]
			ontime9	4814.4335765243	Sum of GTIs [s]
			l1events	1415665	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	180513	299618	200576	320221	219073	195664	grade 0 events	83184	54958	88901	67179	95084	87920
rejected events	36416	54702	36094	46214	43045	37110		46%	18%	44%	20%	43%	44%
rejected %	20%	18%	17%	14%	19%	18%	grade 1 events	624	269	521	207	519	526
								0%	0%	0%	0%	0%	0%
							grade 2 events	23128	88740	28300	60531	31099	26583
								12%	29%	14%	18%	14%	13%
							grade 3 events	9478	14283	10270	27519	11200	10096
								5%	4%	5%	8%	5%	5%
							grade 4 events	9579	14269	10164	27075	11339	9881
								5%	4%	5%	8%	5%	5%
							grade 5 events	2112	8949	2396	8466	3036	2494
								1%	2%	1%	2%	1%	1%
							grade 6 events	18728	72750	26847	91826	27306	24162
								10%	24%	13%	28%	12%	12%
							grade 7 events	33680	45400	33177	37418	39490	34002
								18%	15%	16%	11%	18%	17%

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	72.07107480091089	Alternating exposures requested	N	N
[deg] Pointing Dec	0	67.98945847696609	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	305.5363762566662			
[mm] SIM focus pos	-0.684267	-1.038866356238299			
[mm] SIM defocus	0	0.4944702831659975			
[mm] SIM translation stage pos	-190.132523	250.4635187648994			
[mm] SIM translation stage offset	0	-0.007540371344731511			
[s] Observation start time (MET)	198298516.029237	198298515.00424			
Observation start date	2004-04-14T02:55:16	2004-04-14T02:55:15			
[s] Observation end time (MET)	198315795.479998	198315794.455			
Observation end date	2004-04-14T07:43:15	2004-04-14T07:43:14			
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)	2012.12.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7961626033187

A.2 Comments