

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 50979 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jun 3 2016

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

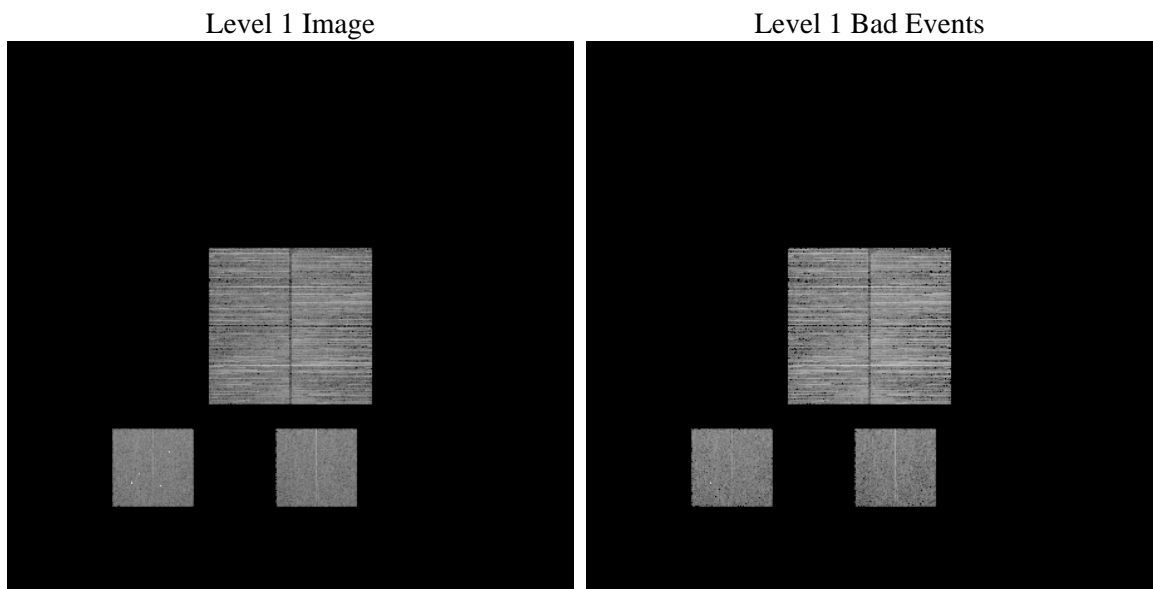
1 Front

seq_num	 	Sequence number
obs_id	50979	Observation id
title	ACIS-012357 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	237.32386408195	Nominal RA [deg]
dec_nom	-0.10730555591155	Nominal Dec [deg]
roll_nom	210.10027251794	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3425.7931450605	Sum of GTIs [s]
livetime	3382.4136894928	Livetime [s]
ontime0	3425.7521049976	Sum of GTIs [s]
ontime1	3425.7110650539	Sum of GTIs [s]
ontime2	3425.670024991	Sum of GTIs [s]
ontime3	3425.8341850042	Sum of GTIs [s]
ontime5	3425.6289850473	Sum of GTIs [s]
ontime7	3425.7931450605	Sum of GTIs [s]
l2events	74797	Number of level 2 events

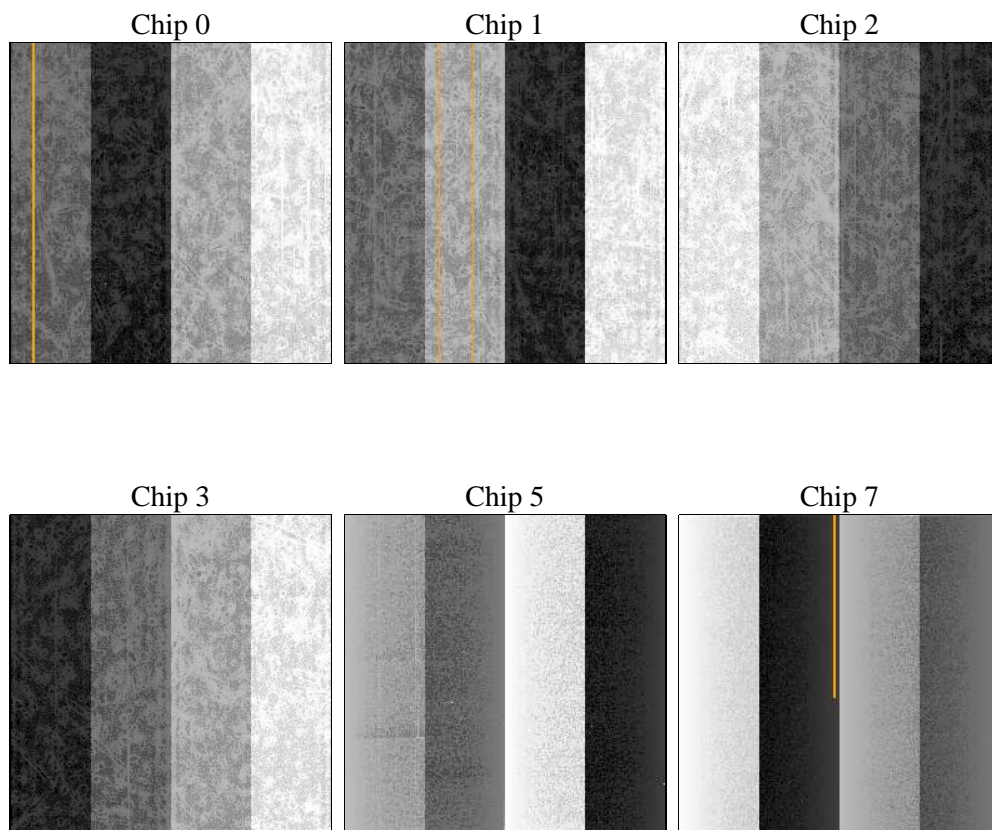
2 OBI

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	10.4.3.1	Processing system revision	ontime	3425.7931450605	Sum of GTIs [s]
caldbver	4.7.2	 	ontime0	3425.7521049976	Sum of GTIs [s]
date	2016-06-03T14:38:42	Date and time of file creation	ontime1	3425.7110650539	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	3425.670024991	Sum of GTIs [s]
			ontime3	3425.8341850042	Sum of GTIs [s]
			ontime5	3425.6289850473	Sum of GTIs [s]
			ontime7	3425.7931450605	Sum of GTIs [s]
			l1events	421703	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	67653	78507	70509	82030	65347	57657	grade 0 events	3729	3392	3790	3895	4185	2141
rejected events	59413	70158	62532	73636	38070	35963		5%	4%	5%	4%	6%	3%
rejected %	87%	89%	88%	89%	58%	62%	grade 1 events	20	27	26	40	127	58
								0%	0%	0%	0%	0%	0%
							grade 2 events	1946	2220	1766	1864	8739	5589
								2%	2%	2%	2%	13%	9%
							grade 3 events	612	569	537	622	779	1446
								0%	0%	0%	0%	1%	2%
							grade 4 events	571	566	596	637	775	1467
								0%	0%	0%	0%	1%	2%
							grade 5 events	1459	1380	1327	1589	2884	3463
								2%	1%	1%	1%	4%	6%
							grade 6 events	1385	1607	1289	1379	12813	11057
								2%	2%	1%	1%	19%	19%
							grade 7 events	57931	68746	61178	72004	35045	32436
								85%	87%	86%	87%	53%	56%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012357	ACIS-012357	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	237.3238640819512	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-0.107305555911554	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	210.1002725179363	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-0.6828225247311905			
[mm] SIM defocus	0.1037507710433287	0.8505141146731063			
[mm] SIM translation stage pos	250.455976	250.4635187648994			
[mm] SIM translation stage offset	0	-0.007540371344731511			
[s] Observation start time (MET)	581280552.745559	581280551.72056			
Observation start date	2016-06-02T18:49:13	2016-06-02T18:49:11			
[s] Observation end time (MET)	581289043.846045	581289042.82105			
Observation end date	2016-06-02T21:10:44	2016-06-02T21:10:42			
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)	2016.06.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.4257931450605

A.2 Comments