

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 51129 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Apr 5 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

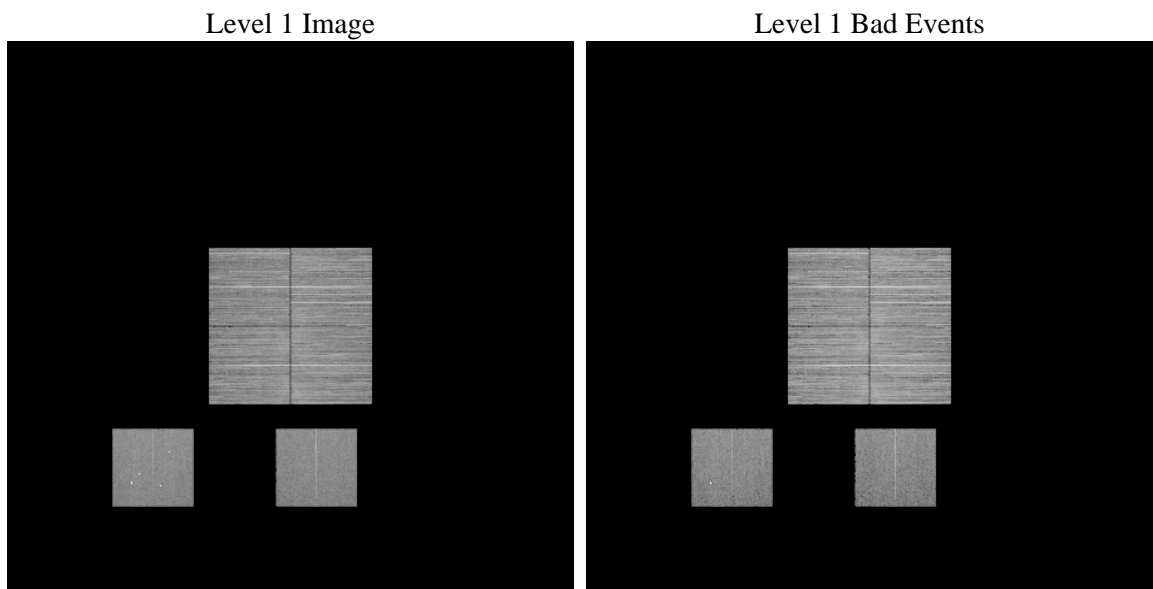
1 Front

seq_num	 	Sequence number
obs_id	51129	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	169.33414301859	Nominal RA [deg]
dec_nom	20.684490664342	Nominal Dec [deg]
roll_nom	181.1845768107	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8201.6001222134	Sum of GTIs [s]
livetime	8097.7465230552	Livetime [s]
ontime0	8201.6001222134	Sum of GTIs [s]
ontime1	8201.6001222134	Sum of GTIs [s]
ontime2	8201.6001222134	Sum of GTIs [s]
ontime3	8201.6001222134	Sum of GTIs [s]
ontime5	8201.6001222134	Sum of GTIs [s]
ontime7	8201.6001222134	Sum of GTIs [s]
l2events	180128	Number of level 2 events

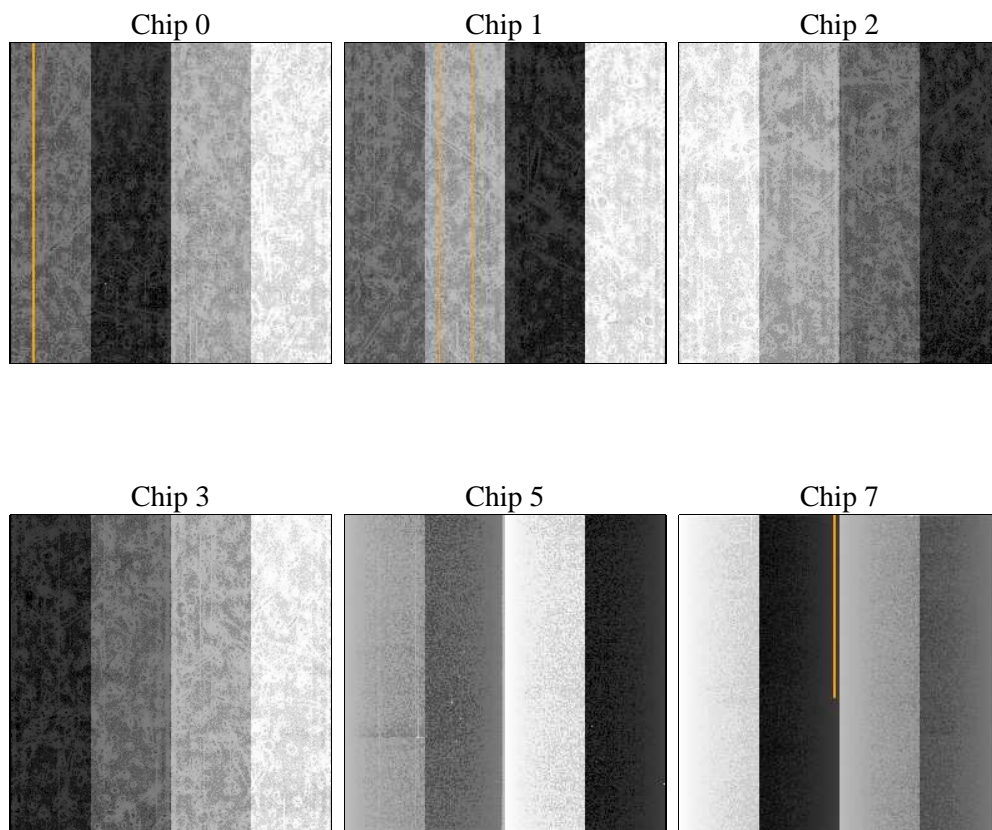
2 OBI

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	8201.6001222134	Sum of GTIs [s]
caldsver	4.7.1	 	ontime0	8201.6001222134	Sum of GTIs [s]
date	2016-04-05T19:24:43	Date and time of file creation	ontime1	8201.6001222134	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8201.6001222134	Sum of GTIs [s]
			ontime3	8201.6001222134	Sum of GTIs [s]
			ontime5	8201.6001222134	Sum of GTIs [s]
			ontime7	8201.6001222134	Sum of GTIs [s]
			l1events	1009264	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	166211	192731	177267	187551	151110	134394	grade 0 events	9347	8859	9721	9807	8432	5394
rejected events	145937	171956	157155	167296	88290	82823		5%	4%	5%	5%	5%	4%
rejected %	87%	89%	88%	89%	58%	61%	grade 1 events	66	49	61	62	217	95
								0%	0%	0%	0%	0%	0%
							grade 2 events	4714	5471	4407	4359	21506	13049
								2%	2%	2%	2%	14%	9%
							grade 3 events	1417	1363	1495	1397	1671	3613
								0%	0%	0%	0%	1%	2%
							grade 4 events	1380	1414	1398	1494	1549	3653
								0%	0%	0%	0%	1%	2%
							grade 5 events	3224	3144	3164	3672	6490	8248
								1%	1%	1%	1%	4%	6%
							grade 6 events	3603	3880	3264	3369	30242	26331
								2%	2%	1%	1%	20%	19%
							grade 7 events	142460	168551	153757	163391	81003	74011
								85%	87%	86%	87%	53%	55%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012357	ACIS-012357
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	169.3341430185886
[deg] Pointing Dec	0	20.68449066434201
[deg] Pointing Roll	0.0	181.1845768106968
SIM focus pos (mm)	-0.68282252473119	-0.68282252473119
[mm] SIM defocus	0.8505140384245534	0.8505140384245534
SIM translation stage pos (mm)	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	576209830.30559	576209830.30559
Observation start date	2016-04-05T02:17:10	2016-04-05T02:17:10
[s] Observation end time (MET)	576219379.094525	576219379.094525
Observation end date	2016-04-05T04:56:19	2016-04-05T04:56:19
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2016.04.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2016001222134

A.2 Comments