

V&V Reference Report

L2 ASCDS Version : 10.4.1

Observation 51619 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Sep 20 2015

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

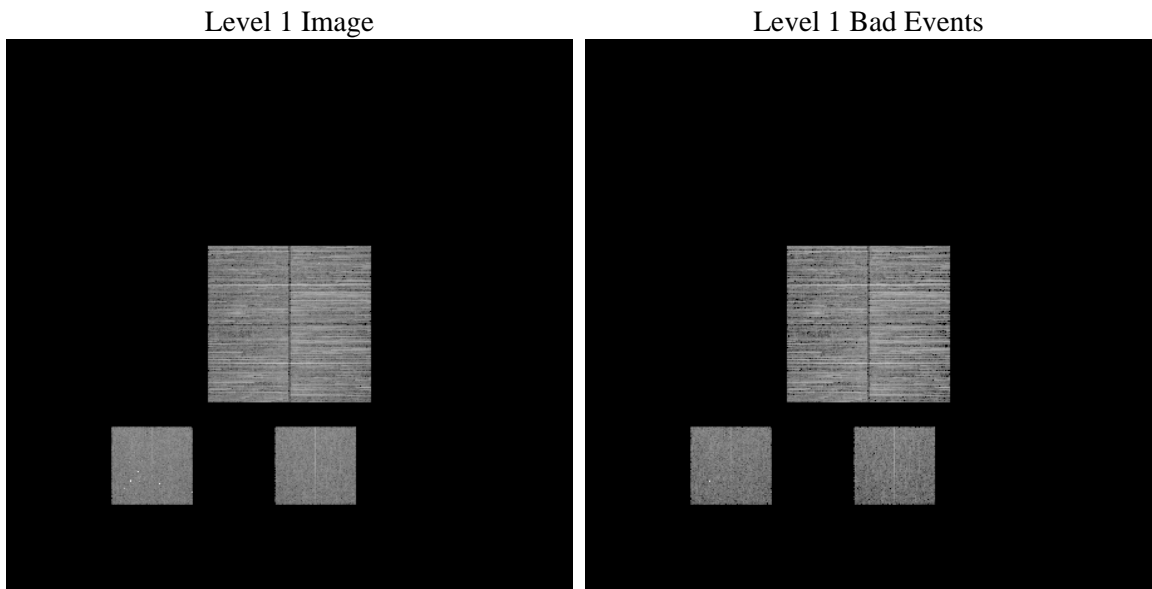
1 Front

seq_num	 	Sequence number
obs_id	51619	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	340.99070890368	Nominal RA [deg]
dec_nom	17.472364344268	Nominal Dec [deg]
roll_nom	213.06335201756	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4123.789632082	Sum of GTIs [s]
livetime	4071.5717247126	Livetime [s]
ontime0	4123.7485920191	Sum of GTIs [s]
ontime1	4123.7075520754	Sum of GTIs [s]
ontime2	4123.6665120125	Sum of GTIs [s]
ontime3	4123.8306720257	Sum of GTIs [s]
ontime5	4123.6254720688	Sum of GTIs [s]
ontime7	4123.789632082	Sum of GTIs [s]
l2events	87754	Number of level 2 events

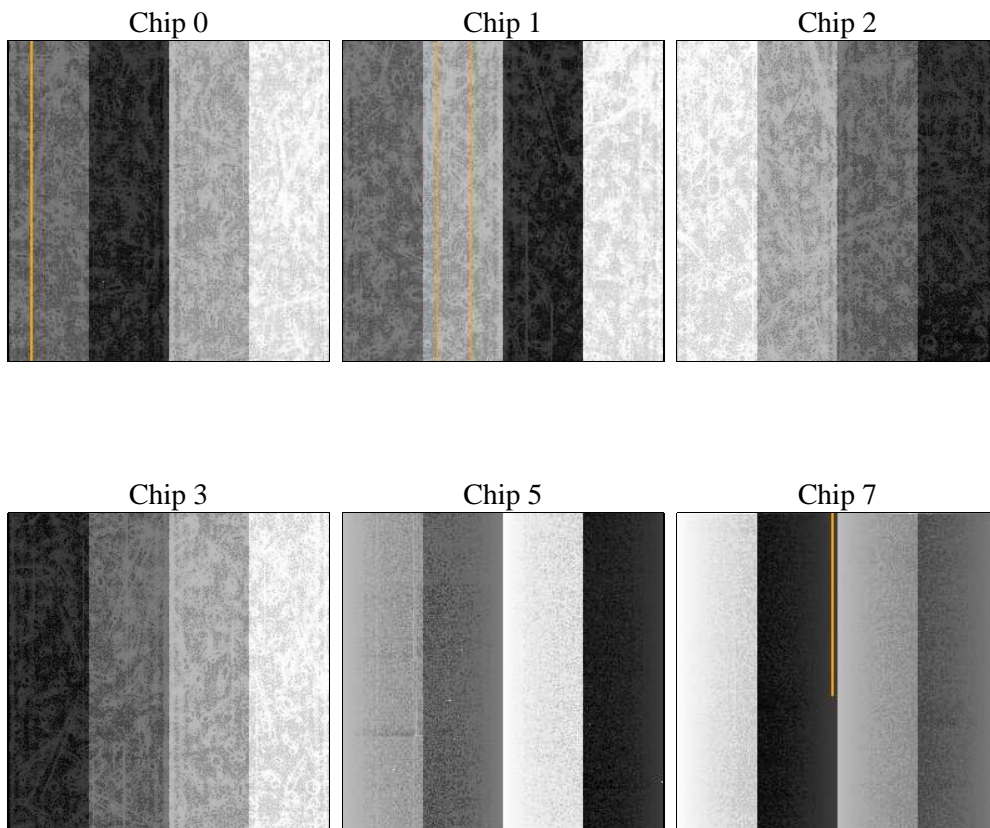
2 OBI

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	10.4.1	Processing system revision	ontime	4123.789632082	Sum of GTIs [s]
caldbver	4.6.8	 	ontime0	4123.7485920191	Sum of GTIs [s]
date	2015-09-20T13:57:11	Date and time of file creation	ontime1	4123.7075520754	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	4123.6665120125	Sum of GTIs [s]
			ontime3	4123.8306720257	Sum of GTIs [s]
			ontime5	4123.6254720688	Sum of GTIs [s]
			ontime7	4123.789632082	Sum of GTIs [s]
			l1events	454361	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	74048	89229	76436	85133	68186	61329	grade 0 events	4823	4577	5020	5137	4786	2667
rejected events	63421	78177	66006	74357	39039	37406		6%	5%	6%	6%	7%	4%
rejected %	85%	87%	86%	87%	57%	60%	grade 1 events	35	32	30	27	130	32
								0%	0%	0%	0%	0%	0%
							grade 2 events	2482	3082	2253	2437	9400	6030
								3%	3%	2%	2%	13%	9%
							grade 3 events	716	673	689	758	725	1687
								0%	0%	0%	0%	1%	2%
							grade 4 events	736	637	734	726	736	1633
								0%	0%	0%	0%	1%	2%
							grade 5 events	1350	1325	1277	1536	2793	3573
								1%	1%	1%	1%	4%	5%
							grade 6 events	1885	2089	1745	1730	13523	11927
								2%	2%	2%	2%	19%	19%
							grade 7 events	62021	76814	64688	72782	36093	33780
								83%	86%	84%	85%	52%	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	340.9907089036766
[deg] Pointing Dec	0	17.47236434426815
[deg] Pointing Roll	0.0	213.0633520175614
[mm] SIM focus pos	-1.429586	-0.7809083437167272
[mm] SIM defocus	0.1037507710433287	0.7524282956875696
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	559077086.858476	559077085.83348
Observation start date	2015-09-19T19:11:27	2015-09-19T19:11:25
[s] Observation end time (MET)	559097513.059629	559097512.0346299
Observation end date	2015-09-20T00:51:53	2015-09-20T00:51:52
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
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)	2015.09.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.123789632082

A.2 Comments