

V&V Reference Report

L2 ASCDS Version : 10.4.1

Observation 51640 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Sep 9 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

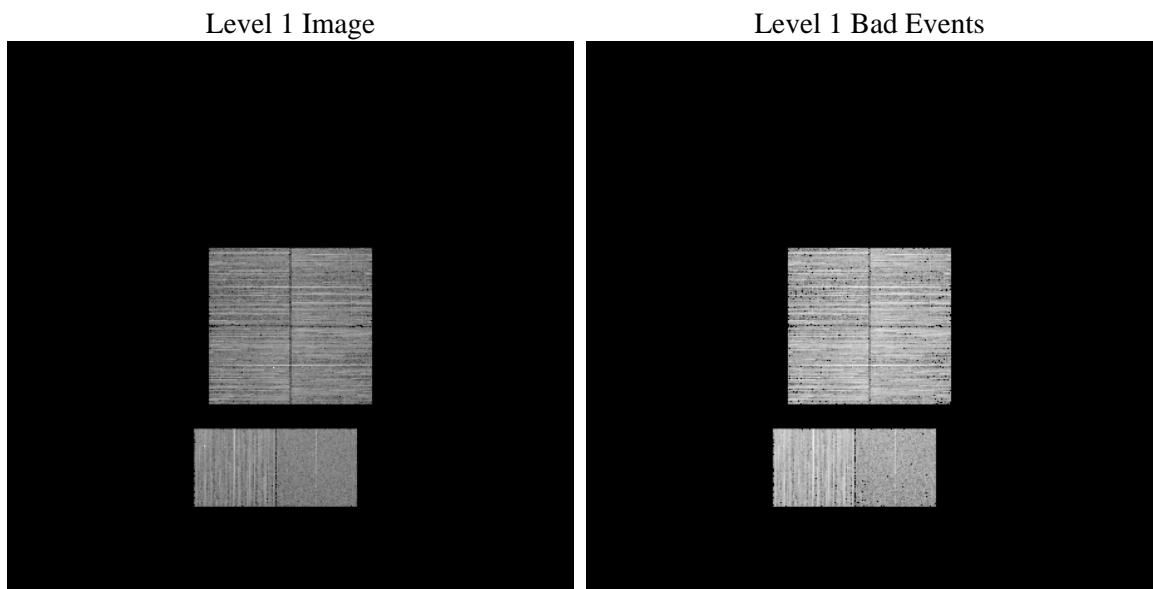
1 Front

seq_num	 	Sequence number
obs_id	51640	Observation id
title	ACIS-012367 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	9.5951102113582	Nominal RA [deg]
dec_nom	-16.171451410579	Nominal Dec [deg]
roll_nom	66.662795721383	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4092.6879110336	Sum of GTIs [s]
livetime	4040.8638323833	Livetime [s]
ontime0	4092.6468709707	Sum of GTIs [s]
ontime1	4092.605831027	Sum of GTIs [s]
ontime2	4092.5647909641	Sum of GTIs [s]
ontime3	4092.7289509773	Sum of GTIs [s]
ontime6	4092.5237510204	Sum of GTIs [s]
ontime7	4092.6879110336	Sum of GTIs [s]
l2events	70385	Number of level 2 events

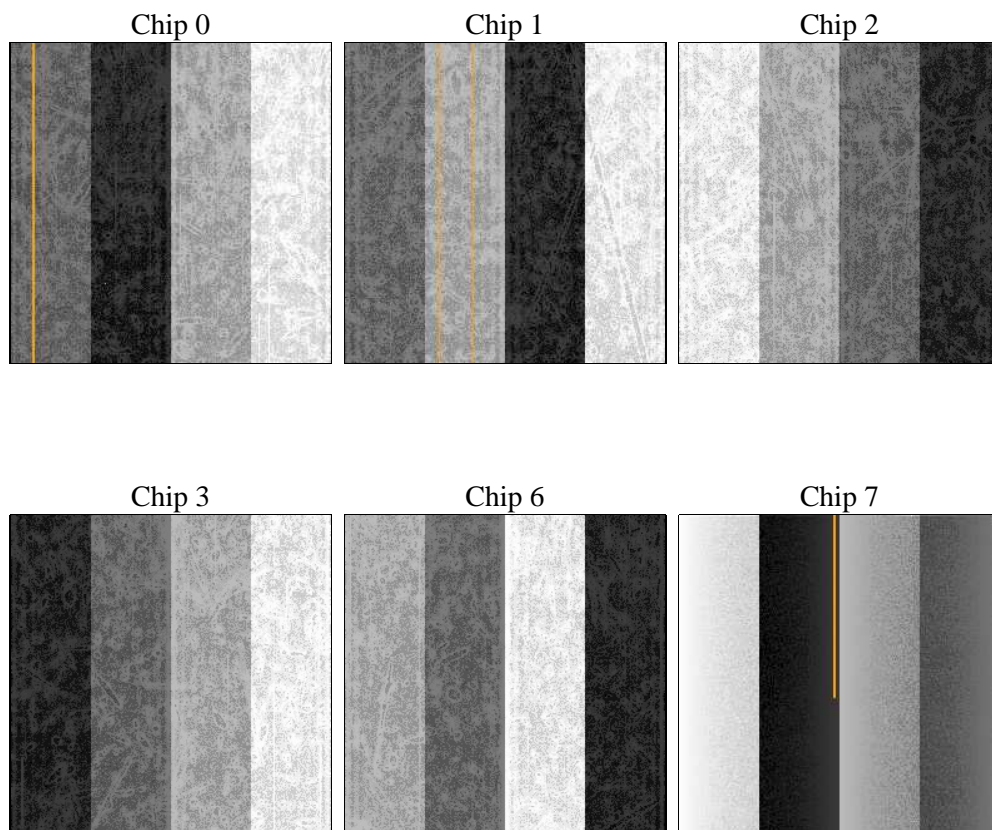
2 OBI

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	4092.6879110336	Sum of GTIs [s]
caldbver	4.6.8	 	ontime0	4092.6468709707	Sum of GTIs [s]
date	2015-09-09T20:06:15	Date and time of file creation	ontime1	4092.605831027	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	4092.5647909641	Sum of GTIs [s]
			ontime3	4092.7289509773	Sum of GTIs [s]
			ontime6	4092.5237510204	Sum of GTIs [s]
			ontime7	4092.6879110336	Sum of GTIs [s]
			l1events	417506	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	61919	71009	75552	71709	79640	57677	grade 0 events	4942	4659	6282	5111	5869	2678
rejected events	51701	60584	64205	61281	67860	34718		7%	6%	8%	7%	7%	4%
rejected %	83%	85%	84%	85%	85%	60%	grade 1 events	24	27	34	30	37	41
								0%	0%	0%	0%	0%	0%
							grade 2 events	2261	2534	2080	2143	2524	5700
								3%	3%	2%	2%	3%	9%
							grade 3 events	721	689	705	787	740	1663
								1%	0%	0%	1%	0%	2%
							grade 4 events	655	718	738	796	709	1674
								1%	1%	0%	1%	0%	2%
							grade 5 events	1381	1425	1327	1539	1423	3454
								2%	2%	1%	2%	1%	5%
							grade 6 events	1718	1906	1639	1667	2056	11426
								2%	2%	2%	2%	2%	19%
							grade 7 events	50217	59051	62747	59636	66282	31041
								81%	83%	83%	83%	83%	53%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	9.595110211358246
[deg] Pointing Dec	0	-16.17145141057911
[deg] Pointing Roll	0.0	66.66279572138272
[mm] SIM focus pos	-1.429586	-0.7809083437167272
[mm] SIM defocus	0.1037507710433287	0.7524282956875696
[mm] SIM translation stage pos	250.455976	250.4635187648994
[mm] SIM translation stage offset	0	-0.007540371344731511
[s] Observation start time (MET)	558163166.056897	558163165.0319
Observation start date	2015-09-09T05:19:26	2015-09-09T05:19:25
[s] Observation end time (MET)	558168990.1072249	558168989.08223
Observation end date	2015-09-09T06:56:30	2015-09-09T06:56:29
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)	2015.09.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.0926879110336

A.2 Comments