

V&V Reference Report

L2 ASCDS Version : 10.4.1

Observation 51730 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jul 24 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

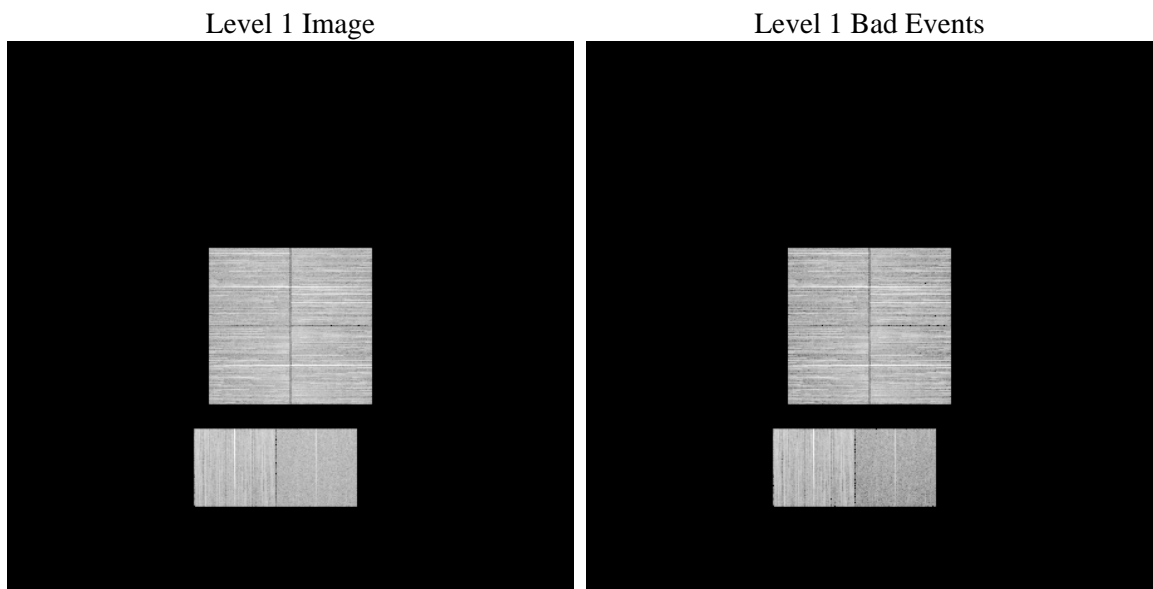
1 Front

seq_num	 	Sequence number
obs_id	51730	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	326.57575440871	Nominal RA [deg]
dec_nom	-11.983509443056	Nominal Dec [deg]
roll_nom	112.3750371206	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8277.6503756046	Sum of GTIs [s]
livetime	8172.8337823461	Livetime [s]
ontime0	8277.6503756046	Sum of GTIs [s]
ontime1	8274.3831655979	Sum of GTIs [s]
ontime2	8274.3421052694	Sum of GTIs [s]
ontime3	8277.6503756046	Sum of GTIs [s]
ontime6	8277.5421357155	Sum of GTIs [s]
ontime7	8277.6503756046	Sum of GTIs [s]
l2events	151849	Number of level 2 events

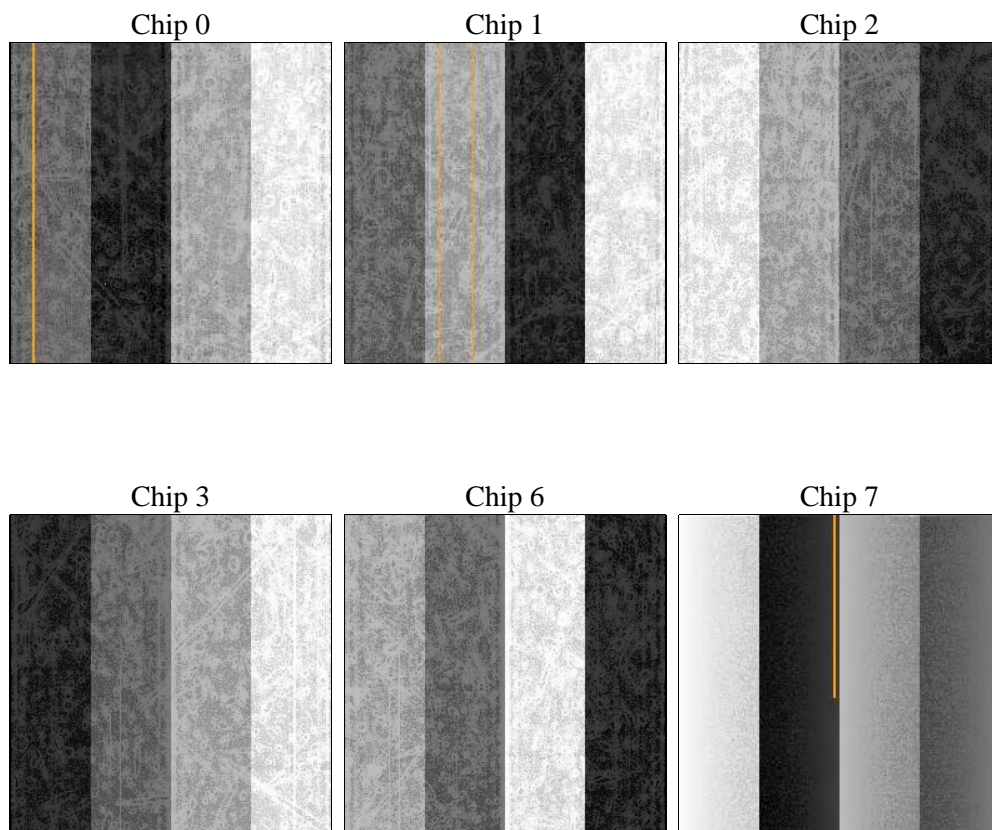
2 OBI

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	8277.6503756046	Sum of GTIs [s]
caldsver	4.6.8	 	ontime0	8277.6503756046	Sum of GTIs [s]
date	2015-07-24T18:09:17	Date and time of file creation	ontime1	8274.3831655979	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8274.3421052694	Sum of GTIs [s]
			ontime3	8277.6503756046	Sum of GTIs [s]
			ontime6	8277.5421357155	Sum of GTIs [s]
			ontime7	8277.6503756046	Sum of GTIs [s]
			l1events	884710	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	139371	155734	150530	157574	163764	117737	grade 0 events	10539	9767	11262	11147	10292	5825
rejected events	117135	133308	127946	134997	140466	69219		7%	6%	7%	7%	6%	4%
rejected %	84%	85%	84%	85%	85%	58%	grade 1 events	53	52	66	91	59	84
								0%	0%	0%	0%	0%	0%
							grade 2 events	4795	5559	4622	4615	5738	12037
								3%	3%	3%	2%	3%	10%
							grade 3 events	1576	1450	1539	1524	1449	3680
								1%	0%	1%	0%	0%	3%
							grade 4 events	1539	1493	1636	1598	1446	3479
								1%	0%	1%	1%	0%	2%
							grade 5 events	2806	2802	2648	3155	2948	7271
								2%	1%	1%	2%	1%	6%
							grade 6 events	3787	4157	3525	3693	4373	23497
								2%	2%	2%	2%	2%	19%
							grade 7 events	114276	130454	125232	131751	137459	61864
								81%	83%	83%	83%	83%	52%

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	326.5757544087103
[deg] Pointing Dec	0	-11.98350944305573
[deg] Pointing Roll	0.0	112.3750371206011
[mm] SIM focus pos	-1.429586	-0.6828225247311905
[mm] SIM defocus	0.1037507710433287	0.8505141146731063
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	554048842.475005	554048841.4500099
Observation start date	2015-07-23T14:27:22	2015-07-23T14:27:21
[s] Observation end time (MET)	554073749.976406	554073748.9514101
Observation end date	2015-07-23T21:22:30	2015-07-23T21:22:28
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)	2015.07.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2776503756046

A.2 Comments