

V&V Reference Report

L2 ASCDS Version : 10.4.1

Observation 51696 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Aug 11 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

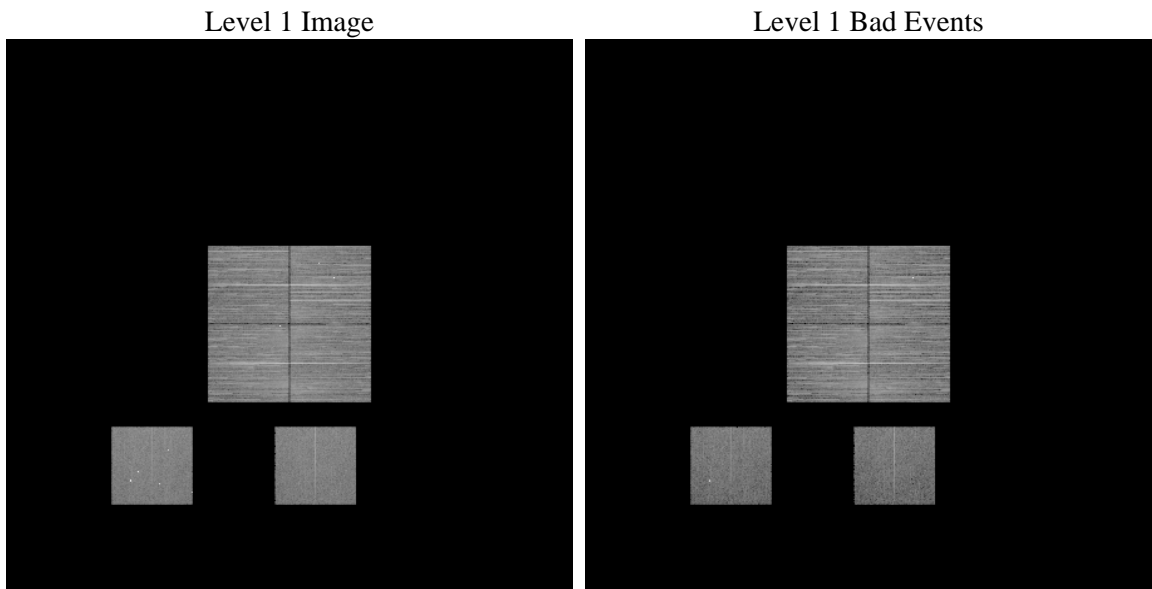
1 Front

seq_num	 	Sequence number
obs_id	51696	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	320.03192576243	Nominal RA [deg]
dec_nom	-39.984675183863	Nominal Dec [deg]
roll_nom	359.29169741399	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8278.2881377935	Sum of GTIs [s]
livetime	8173.4634688061	Livetime [s]
ontime0	8278.2470977306	Sum of GTIs [s]
ontime1	8278.2060577869	Sum of GTIs [s]
ontime2	8278.165017724	Sum of GTIs [s]
ontime3	8278.3291777372	Sum of GTIs [s]
ontime5	8278.1239777803	Sum of GTIs [s]
ontime7	8278.2881377935	Sum of GTIs [s]
l2events	195887	Number of level 2 events

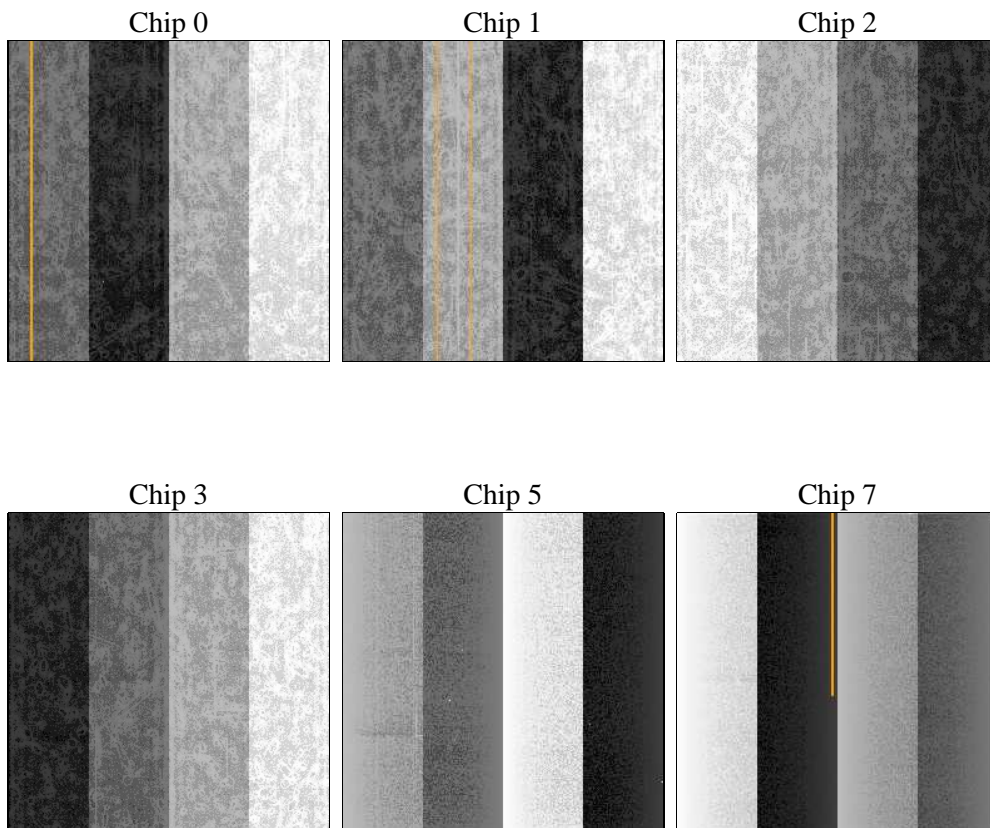
2 OBI

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	8278.2881377935	Sum of GTIs [s]
caldsver	4.6.8	 	ontime0	8278.2470977306	Sum of GTIs [s]
date	2015-08-12T02:01:14	Date and time of file creation	ontime1	8278.2060577869	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8278.165017724	Sum of GTIs [s]
			ontime3	8278.3291777372	Sum of GTIs [s]
			ontime5	8278.1239777803	Sum of GTIs [s]
			ontime7	8278.2881377935	Sum of GTIs [s]
			l1events	890743	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	145150	168245	165233	154405	134843	122867	grade 0 events	11774	11597	14884	12402	8719	6375
rejected events	120352	142037	137624	129102	74942	71331		8%	6%	9%	8%	6%	5%
rejected %	82%	84%	83%	83%	55%	58%	grade 1 events	75	62	92	81	145	97
								0%	0%	0%	0%	0%	0%
							grade 2 events	5374	6423	5262	5191	21068	12950
								3%	3%	3%	3%	15%	10%
							grade 3 events	1634	1672	1670	1738	1693	3743
								1%	0%	1%	1%	1%	3%
							grade 4 events	1582	1583	1702	1714	1497	3582
								1%	0%	1%	1%	1%	2%
							grade 5 events	2719	2764	2686	3190	5691	7325
								1%	1%	1%	2%	4%	5%
							grade 6 events	4450	4950	4113	4271	26950	24925
								3%	2%	2%	2%	19%	20%
							grade 7 events	117542	139194	134824	125818	69080	63870
								80%	82%	81%	81%	51%	51%

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	320.031925762433
[deg] Pointing Dec	0	-39.98467518386324
[deg] Pointing Roll	0.0	359.291697413987
[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)	555644781.9148329	555644780.88983
Observation start date	2015-08-11T01:46:22	2015-08-11T01:46:20
[s] Observation end time (MET)	555655825.265455	555655824.24045
Observation end date	2015-08-11T04:50:25	2015-08-11T04:50:24
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	Joy Nichols
V&V Date (YYYY-MM-DD)	2015.08.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2782881377935

A.2 Comments