

V&V Reference Report

L2 ASCDS Version : 10.4.1

Observation 51627 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Sep 14 2015

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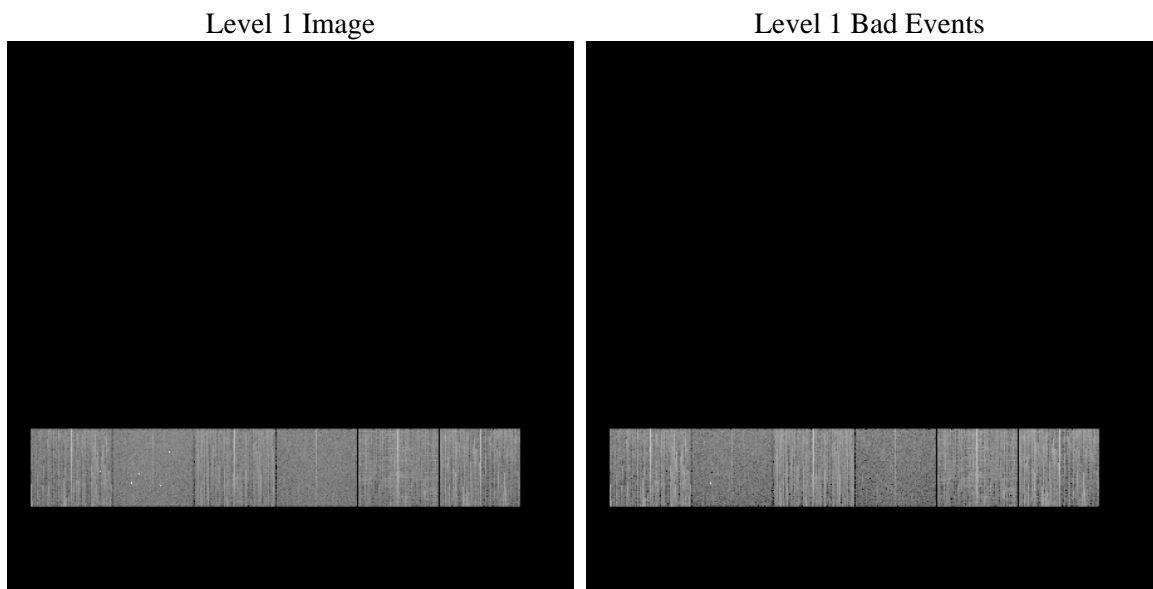
1 Front

seq_num	 	Sequence number
obs_id	51627	Observation id
title	ACIS-456789 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	340.08492450622	Nominal RA [deg]
dec_nom	19.774869244748	Nominal Dec [deg]
roll_nom	207.82547151434	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5152.0000767708	Sum of GTIs [s]
livetime	5086.7623496367	Livetime [s]
ontime4	5152.0000767708	Sum of GTIs [s]
ontime5	5152.0000767708	Sum of GTIs [s]
ontime6	5152.0000767708	Sum of GTIs [s]
ontime7	5152.0000767708	Sum of GTIs [s]
ontime8	5152.0000767708	Sum of GTIs [s]
ontime9	5152.0000767708	Sum of GTIs [s]
l2events	112852	Number of level 2 events

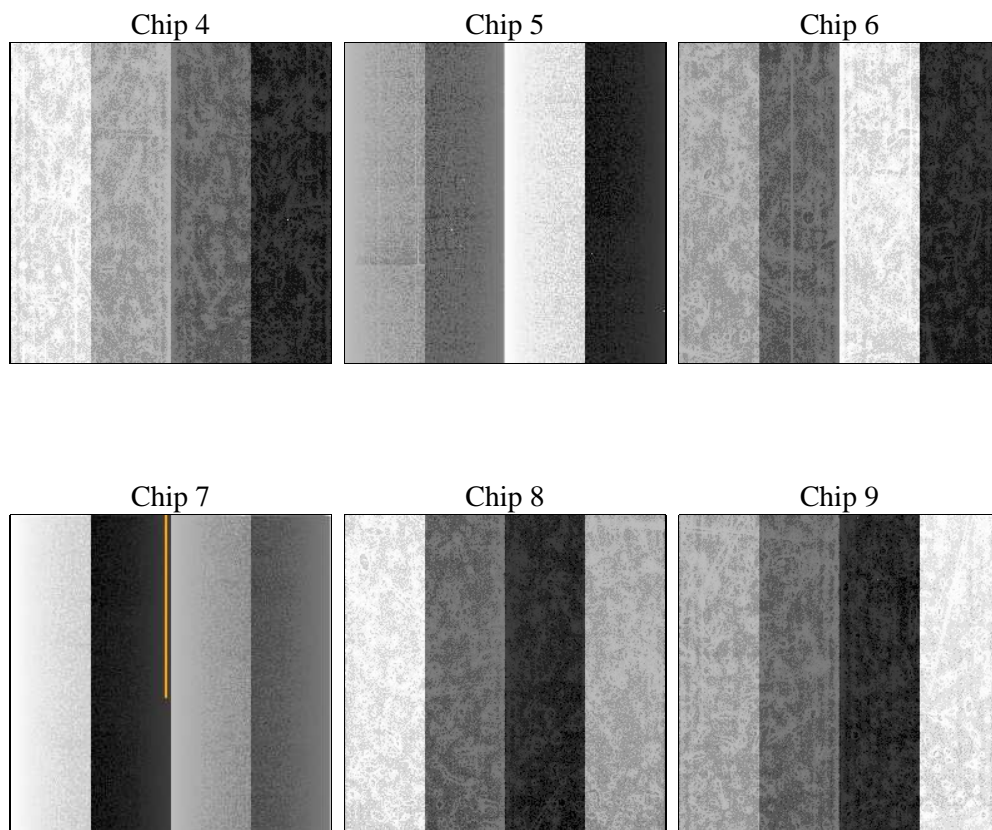
2 OBI

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	5152.0000767708	Sum of GTIs [s]
caldsver	4.6.8	 	ontime4	5152.0000767708	Sum of GTIs [s]
date	2015-09-15T00:36:47	Date and time of file creation	ontime5	5152.0000767708	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	5152.0000767708	Sum of GTIs [s]
			ontime7	5152.0000767708	Sum of GTIs [s]
			ontime8	5152.0000767708	Sum of GTIs [s]
			ontime9	5152.0000767708	Sum of GTIs [s]
			l1events	546394	Number of level 1 events

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	93387	83806	100533	73520	97315	97833	grade 0 events	8317	5778	6563	3495	8420	6827
rejected events	78232	47959	85949	43868	77136	83522		8%	6%	6%	4%	8%	6%
rejected %	83%	57%	85%	59%	79%	85%	grade 1 events	61	111	43	38	40	34
								0%	0%	0%	0%	0%	0%
							grade 2 events	2847	12134	3472	7569	4485	3048
								3%	14%	3%	10%	4%	3%
							grade 3 events	1071	1042	932	2222	1524	992
								1%	1%	0%	3%	1%	1%
							grade 4 events	1016	883	929	2102	1574	998
								1%	1%	0%	2%	1%	1%
							grade 5 events	2038	3904	1918	4484	2669	2167
								2%	4%	1%	6%	2%	2%
							grade 6 events	2092	16410	2859	14617	4392	2609
								2%	19%	2%	19%	4%	2%
							grade 7 events	75945	43544	83817	38993	74211	81158
								81%	51%	83%	53%	76%	82%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	340.0849245062168
[deg] Pointing Dec	0	19.77486924474839
[deg] Pointing Roll	0.0	207.8254715143395
SIM focus pos (mm)	-0.78090834371673	-0.78090834371673
[mm] SIM defocus	0.7524282194390134	0.7524282194390134
SIM translation stage pos (mm)	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	558621480.48276	558621480.48276
Observation start date	2015-09-14T12:38:00	2015-09-14T12:38:00
[s] Observation end time (MET)	558627965.763036	558627965.763036
Observation end date	2015-09-14T14:26:06	2015-09-14T14:26:05
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	Jen Lauer
V&V Date (YYYY-MM-DD)	2015.09.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.1520000767708

A.2 Comments