

V&V Reference Report

L2 ASCDS Version : 10.4.1

Observation 51613 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Sep 26 2015

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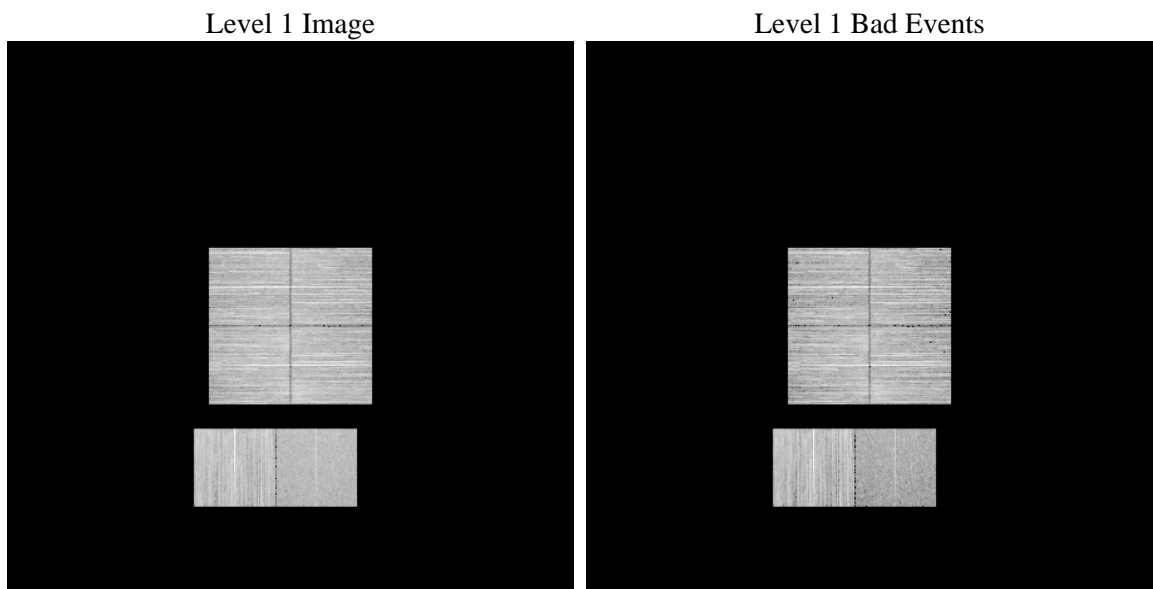
1 Front

seq_num	 	Sequence number
obs_id	51613	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	19.697451511102	Nominal RA [deg]
dec_nom	-20.177661450683	Nominal Dec [deg]
roll_nom	43.241563581204	Nominal Roll [deg]
revision	1	Processing version of data
ontime	7048.7466423512	Sum of GTIs [s]
livetime	6959.49116812	Livetime [s]
ontime0	7048.7056022882	Sum of GTIs [s]
ontime1	7048.6645623446	Sum of GTIs [s]
ontime2	7048.6235222816	Sum of GTIs [s]
ontime3	7048.7876822948	Sum of GTIs [s]
ontime6	7048.582482338	Sum of GTIs [s]
ontime7	7048.7466423512	Sum of GTIs [s]
l2events	148286	Number of level 2 events

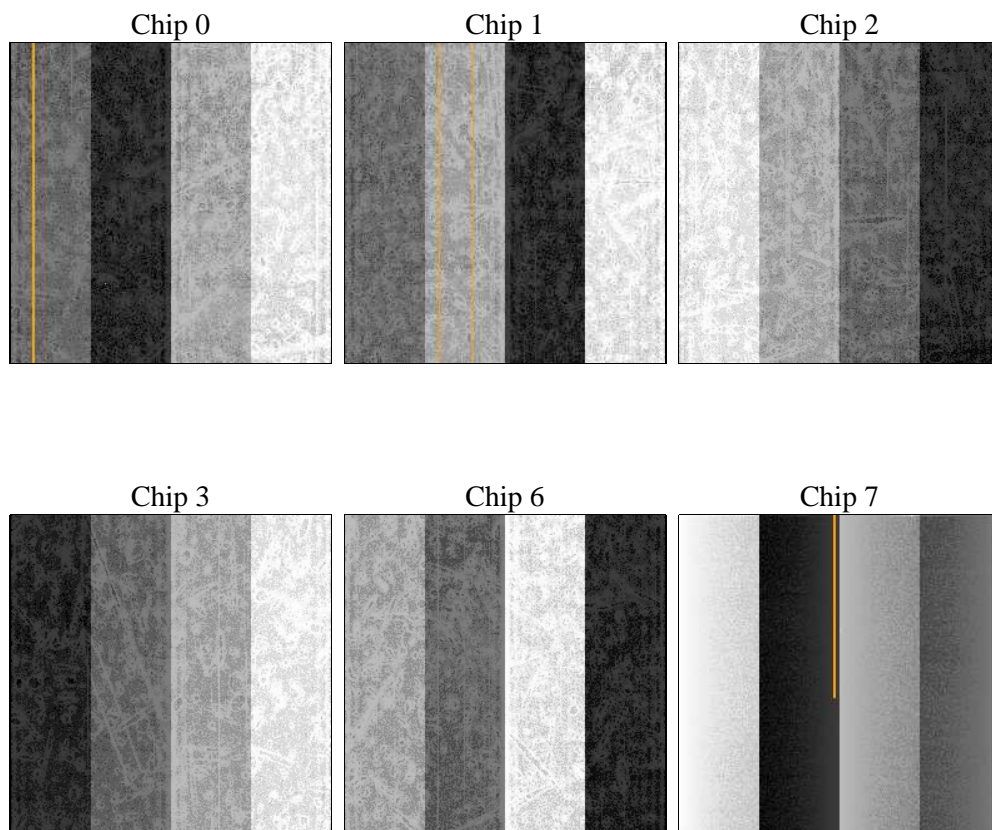
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	10.4.1	Processing system revision	ontime	7048.7466423512	Sum of GTIs [s]
caldsver	4.6.8	 	ontime0	7048.7056022882	Sum of GTIs [s]
date	2015-09-26T22:43:48	Date and time of file creation	ontime1	7048.6645623446	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	7048.6235222816	Sum of GTIs [s]
			ontime3	7048.7876822948	Sum of GTIs [s]
			ontime6	7048.582482338	Sum of GTIs [s]
			ontime7	7048.7466423512	Sum of GTIs [s]
			l1events	798123	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	133330	127820	140713	139655	148027	108578	grade 0 events	10962	10488	11466	11376	11299	6233
rejected events	111342	105564	118508	117429	124643	63052		8%	8%	8%	8%	7%	5%
rejected %	83%	82%	84%	84%	84%	58%	grade 1 events	68	60	83	71	62	81
								0%	0%	0%	0%	0%	0%
							grade 2 events	4839	5401	4695	4654	5323	11653
								3%	4%	3%	3%	3%	10%
							grade 3 events	1570	1518	1554	1580	1559	3627
								1%	1%	1%	1%	1%	3%
							grade 4 events	1517	1527	1578	1739	1582	3589
								1%	1%	1%	1%	1%	3%
							grade 5 events	2525	2543	2406	2923	2745	6896
								1%	1%	1%	2%	1%	6%
							grade 6 events	4219	4491	3998	4047	4890	22138
								3%	3%	2%	2%	3%	20%
							grade 7 events	107630	101792	114933	113265	120567	54361
								80%	79%	81%	81%	81%	50%

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	19.69745151110175
[deg] Pointing Dec	0	-20.17766145068348
[deg] Pointing Roll	0.0	43.24156358120356
SIM focus pos (mm)	-0.68282252473119	-0.68282252473119
[mm] SIM defocus	0.8505140384245534	0.8505140384245534
SIM translation stage pos (mm)	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	559530621.4731359	559530621.4731359
Observation start date	2015-09-25T01:10:21	2015-09-25T01:10:21
[s] Observation end time (MET)	559538917.415695	559538917.415695
Observation end date	2015-09-25T03:28:37	2015-09-25T03:28:37
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2015.09.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.0487466423512

A.2 Comments