

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 51142 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Mar 31 2016

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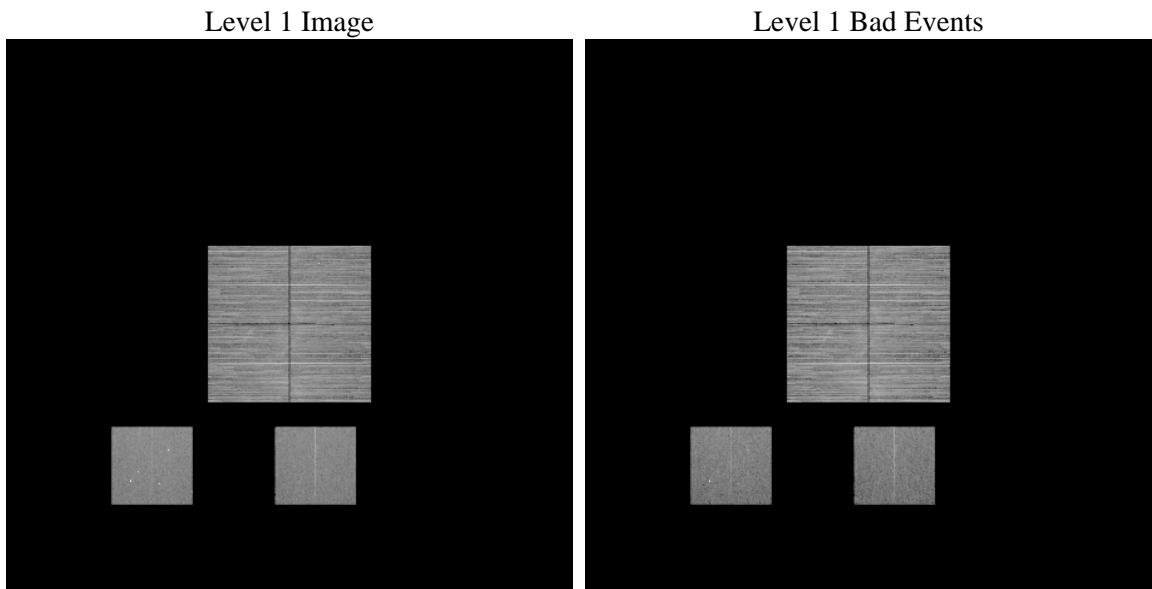
1 Front

seq_num	 	Sequence number
obs_id	51142	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	210.51123721875	Nominal RA [deg]
dec_nom	-18.415175490745	Nominal Dec [deg]
roll_nom	57.601148855921	Nominal Roll [deg]
revision	1	Processing version of data
ontime	7989.1905254126	Sum of GTIs [s]
livetime	7888.0265844668	Livetime [s]
ontime0	7989.1494853497	Sum of GTIs [s]
ontime1	7989.108445406	Sum of GTIs [s]
ontime2	7989.0674053431	Sum of GTIs [s]
ontime3	7989.2315653563	Sum of GTIs [s]
ontime5	7989.0263653994	Sum of GTIs [s]
ontime7	7989.1905254126	Sum of GTIs [s]
l2events	173781	Number of level 2 events

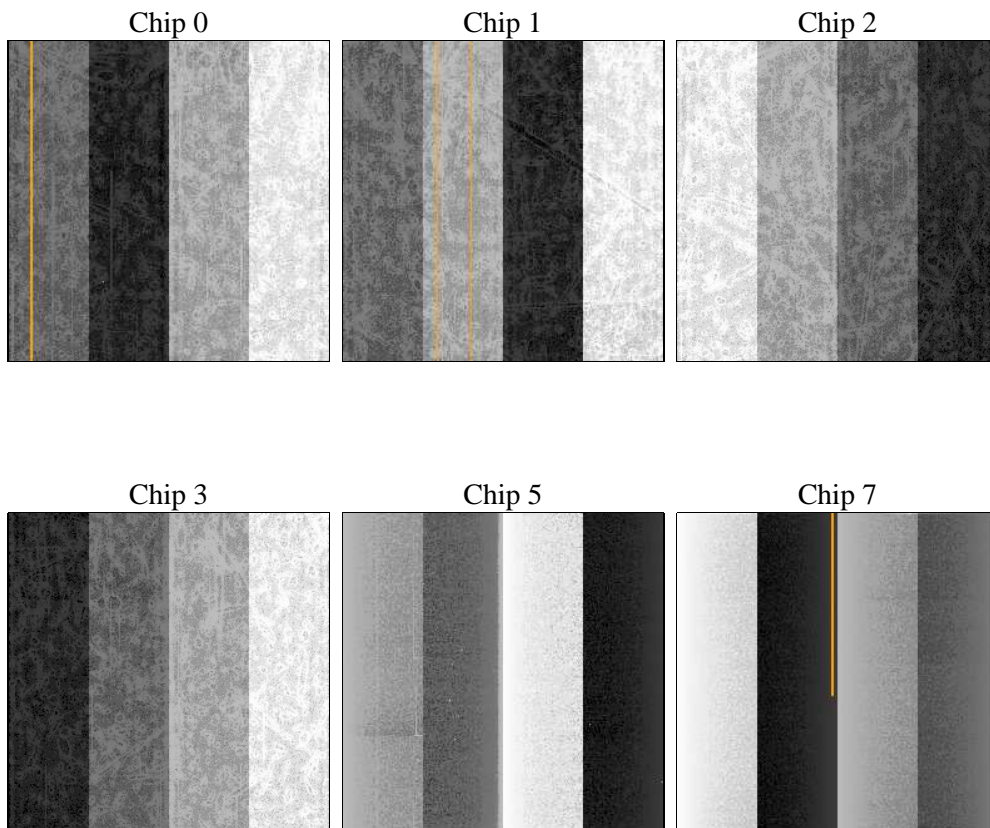
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	7989.1905254126	Sum of GTIs [s]
caldsver	4.7.1	 	ontime0	7989.1494853497	Sum of GTIs [s]
date	2016-03-31T18:16:19	Date and time of file creation	ontime1	7989.108445406	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	7989.0674053431	Sum of GTIs [s]
			ontime3	7989.2315653563	Sum of GTIs [s]
			ontime5	7989.0263653994	Sum of GTIs [s]
			ontime7	7989.1905254126	Sum of GTIs [s]
			l1events	964624	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	169306	170934	177397	171602	144776	130609	grade 0 events	9467	9540	9775	9602	7181	5631
rejected events	149729	150668	158054	152277	86330	80662		5%	5%	5%	5%	4%	4%
rejected %	88%	88%	89%	88%	59%	61%	grade 1 events	78	58	87	68	179	100
								0%	0%	0%	0%	0%	0%
							grade 2 events	4585	4802	4171	4067	21095	12914
								2%	2%	2%	2%	14%	9%
							grade 3 events	1360	1454	1455	1514	1983	3941
								0%	0%	0%	0%	1%	3%
							grade 4 events	1452	1507	1480	1458	1773	3979
								0%	0%	0%	0%	1%	3%
							grade 5 events	3224	3200	3129	3667	6828	8785
								1%	1%	1%	2%	4%	6%
							grade 6 events	3431	3709	3181	3385	28523	25330
								2%	2%	1%	1%	19%	19%
							grade 7 events	145709	146664	154119	147841	77214	69929
								86%	85%	86%	86%	53%	53%

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	210.5112372187546
[deg] Pointing Dec	0	-18.41517549074527
[deg] Pointing Roll	0.0	57.60114885592137
SIM focus pos (mm)	-1.4281808131	-1.4281808131
[mm] SIM defocus	0.1051557500557434	0.1051557500557434
SIM translation stage pos (mm)	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	575754047.629577	575754047.629577
Observation start date	2016-03-30T19:40:48	2016-03-30T19:40:47
[s] Observation end time (MET)	575763595.233573	575763595.233573
Observation end date	2016-03-30T22:19:55	2016-03-30T22:19:55
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)	2016.03.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.9891905254126

A.2 Comments