

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 51088 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Apr 21 2016

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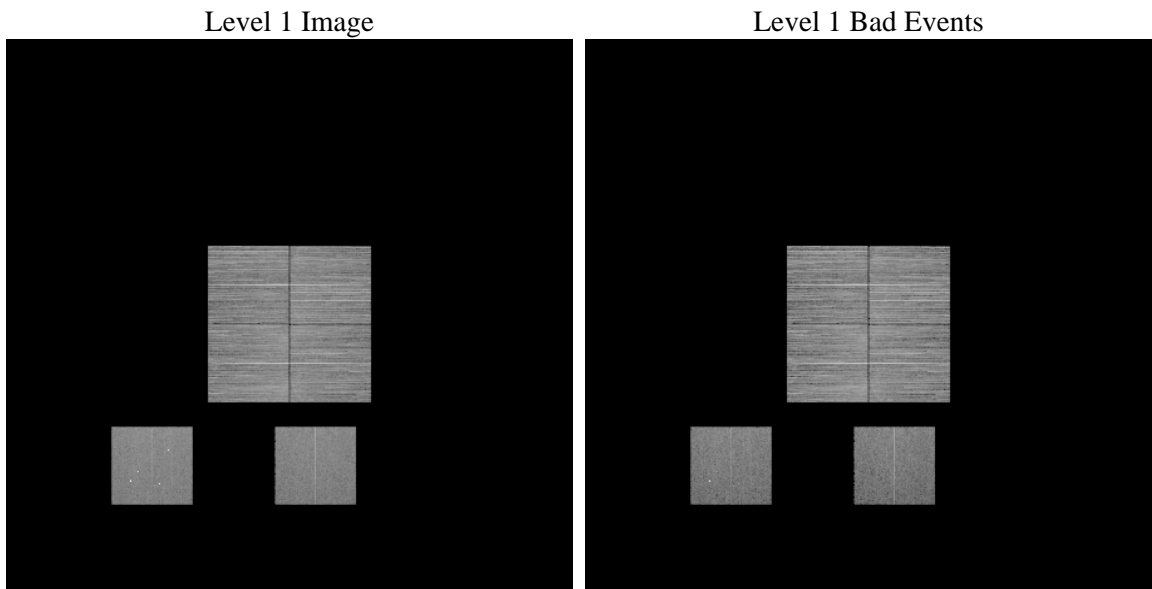
1 Front

seq_num	 	Sequence number
obs_id	51088	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	205.42517721911	Nominal RA [deg]
dec_nom	-11.842583717926	Nominal Dec [deg]
roll_nom	176.62855291698	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8070.4001202583	Sum of GTIs [s]
livetime	7968.2078545241	Livetime [s]
ontime0	8070.4001202583	Sum of GTIs [s]
ontime1	8070.4001202583	Sum of GTIs [s]
ontime2	8070.4001202583	Sum of GTIs [s]
ontime3	8067.1591198444	Sum of GTIs [s]
ontime5	8070.4001202583	Sum of GTIs [s]
ontime7	8070.4001202583	Sum of GTIs [s]
l2events	176342	Number of level 2 events

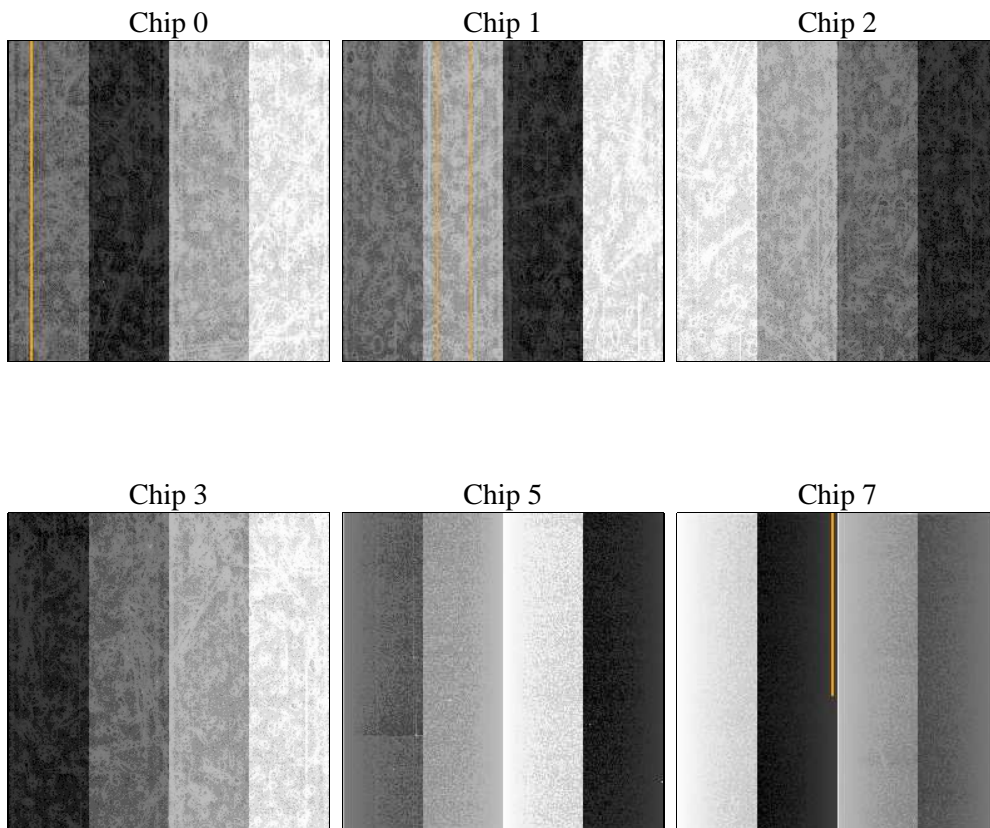
2 OBI

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	10.4.3.1	Processing system revision	ontime	8070.4001202583	Sum of GTIs [s]
caldsver	4.7.1	 	ontime0	8070.4001202583	Sum of GTIs [s]
date	2016-04-21T18:55:34	Date and time of file creation	ontime1	8070.4001202583	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8070.4001202583	Sum of GTIs [s]
			ontime3	8067.1591198444	Sum of GTIs [s]
			ontime5	8070.4001202583	Sum of GTIs [s]
			ontime7	8070.4001202583	Sum of GTIs [s]
			l1events	986883	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	165763	183728	184895	169218	151160	132119	grade 0 events	9316	8708	9729	9699	9509	5631
rejected events	145992	164024	165012	149527	89190	81376		5%	4%	5%	5%	6%	4%
rejected %	88%	89%	89%	88%	59%	61%	grade 1 events	75	63	74	97	172	120
								0%	0%	0%	0%	0%	0%
							grade 2 events	4670	5010	4568	4173	21129	12837
								2%	2%	2%	2%	13%	9%
							grade 3 events	1466	1389	1434	1487	1756	3881
								0%	0%	0%	0%	1%	2%
							grade 4 events	1392	1345	1479	1469	1627	3868
								0%	0%	0%	0%	1%	2%
							grade 5 events	3181	3252	3024	3681	6910	8573
								1%	1%	1%	2%	4%	6%
							grade 6 events	3414	3761	3137	3346	29607	25815
								2%	2%	1%	1%	19%	19%
							grade 7 events	142249	160200	161450	145266	80450	71394
								85%	87%	87%	85%	53%	54%

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	205.4251772191146
[deg] Pointing Dec	0	-11.84258371792637
[deg] Pointing Roll	0.0	176.6285529169833
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)	577581561.233976	577581561.233976
Observation start date	2016-04-20T23:19:21	2016-04-20T23:19:21
[s] Observation end time (MET)	577591109.462682	577591109.462682
Observation end date	2016-04-21T01:58:29	2016-04-21T01:58:29
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)	2016.04.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0704001202583

A.2 Comments