

V&V Reference Report

L2 ASCDS Version : 10.4

Observation 51825 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jun 19 2015

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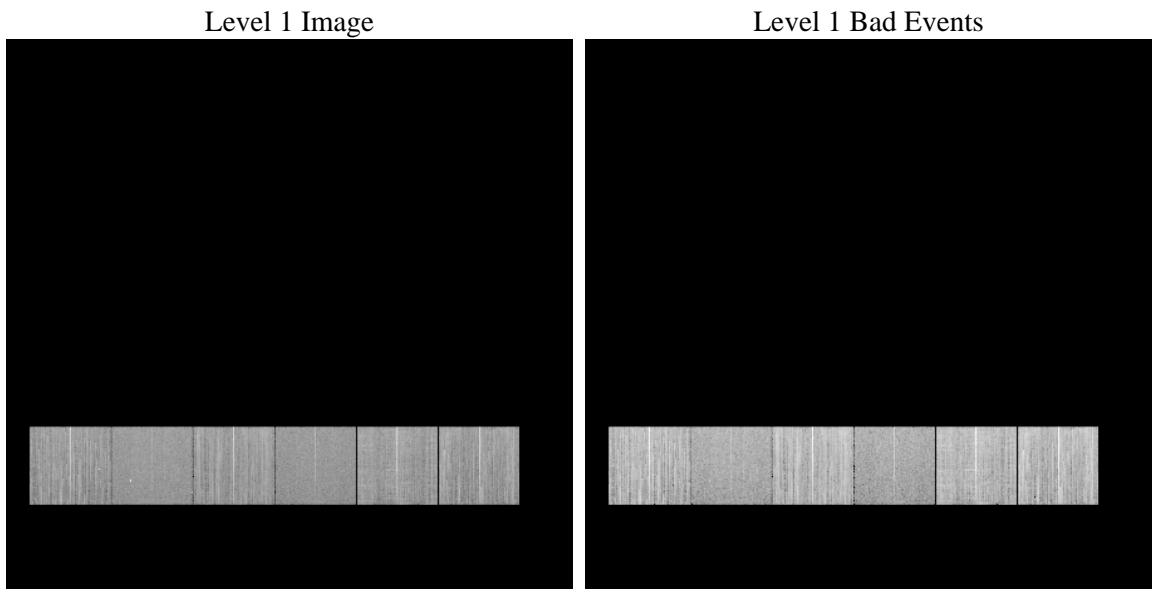
1 Front

seq_num	 	Sequence number
obs_id	51825	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	271.03243616317	Nominal RA [deg]
dec_nom	-47.980907329135	Nominal Dec [deg]
roll_nom	8.5425517374673	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8224.0001225471	Sum of GTIs [s]
livetime	8119.8628810971	Livetime [s]
ontime4	8223.9960089922	Sum of GTIs [s]
ontime5	8224.0001225471	Sum of GTIs [s]
ontime6	8224.0001225471	Sum of GTIs [s]
ontime7	8224.0001225471	Sum of GTIs [s]
ontime8	8223.9549690485	Sum of GTIs [s]
ontime9	8224.0001225471	Sum of GTIs [s]
l2events	208893	Number of level 2 events

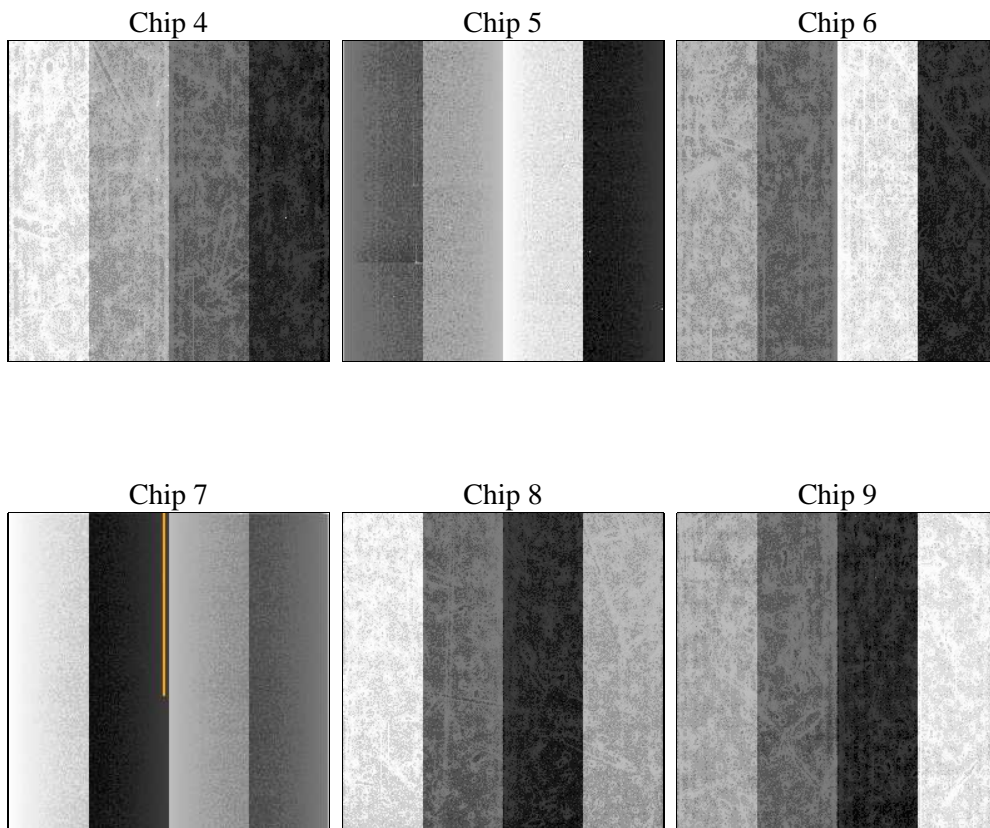
2 OBI

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	Processing system revision	ontime	8224.0001225471	Sum of GTIs [s]
caldsver	4.6.7	 	ontime4	8223.9960089922	Sum of GTIs [s]
date	2015-06-19T16:41:39	Date and time of file creation	ontime5	8224.0001225471	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8224.0001225471	Sum of GTIs [s]
			ontime7	8224.0001225471	Sum of GTIs [s]
			ontime8	8223.9549690485	Sum of GTIs [s]
			ontime9	8224.0001225471	Sum of GTIs [s]
			l1events	882312	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	149505	133242	156081	122234	161637	159613	grade 0 events	14996	6039	12900	7366	16018	12926
rejected events	121468	74980	128498	68697	123977	132345		10%	4%	8%	6%	9%	8%
rejected %	81%	56%	82%	56%	76%	82%	grade 1 events	117	163	89	110	97	93
								0%	0%	0%	0%	0%	0%
							grade 2 events	5123	21136	5838	13174	7849	5550
								3%	15%	3%	10%	4%	3%
							grade 3 events	1932	2101	1888	4169	3038	1846
								1%	1%	1%	3%	1%	1%
							grade 4 events	1880	1996	1812	4197	2953	1886
								1%	1%	1%	3%	1%	1%
							grade 5 events	3273	6246	3232	7752	4355	3631
								2%	4%	2%	6%	2%	2%
							grade 6 events	4210	27232	5258	24801	7996	5177
								2%	20%	3%	20%	4%	3%
							grade 7 events	117974	68329	125064	60665	119331	128504
								78%	51%	80%	49%	73%	80%

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	271.0324361631658
[deg] Pointing Dec	0	-47.9809073291355
[deg] Pointing Roll	0.0	8.542551737467253
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)	551075161.507761	551075161.507761
Observation start date	2015-06-19T04:26:02	2015-06-19T04:26:01
[s] Observation end time (MET)	551084707.397558	551084707.397558
Observation end date	2015-06-19T07:05:07	2015-06-19T07:05:07
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)	2015.06.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2240001225471

A.2 Comments