

V&V Reference Report

L2 ASCDS Version : 10.4.3

Observation 51378 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Dec 24 2015

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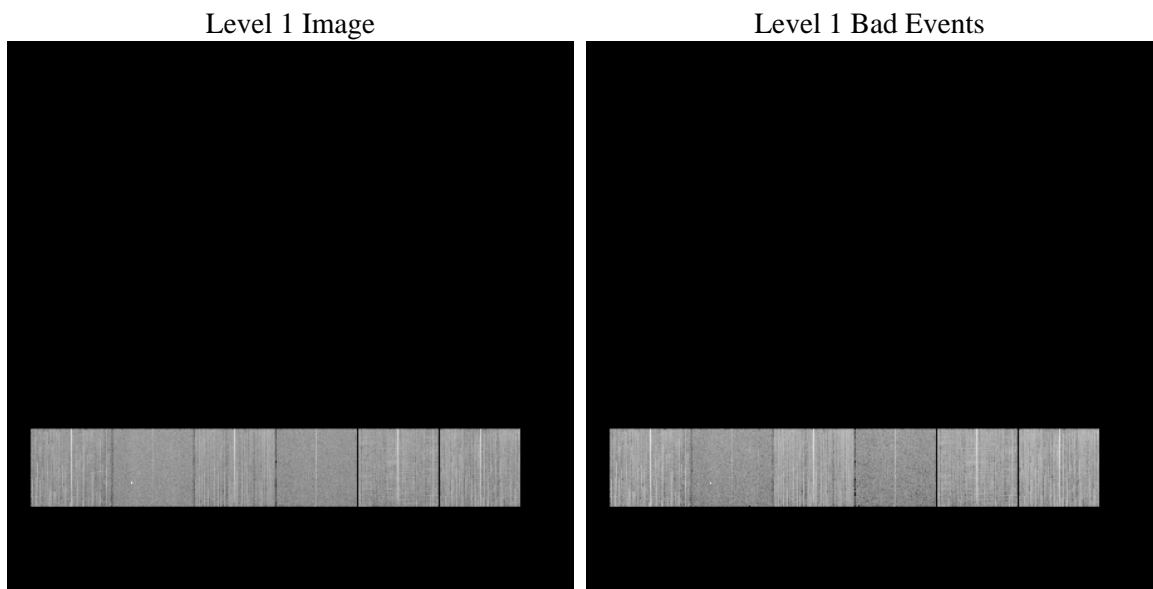
1 Front

seq_num	 	Sequence number
obs_id	51378	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	69.998701229655	Nominal RA [deg]
dec_nom	38.971168620132	Nominal Dec [deg]
roll_nom	235.0681494023	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8380.233186245	Sum of GTIs [s]
livetime	8274.1176276701	Livetime [s]
ontime4	8380.1100661755	Sum of GTIs [s]
ontime5	8380.1921461821	Sum of GTIs [s]
ontime6	8380.1511062384	Sum of GTIs [s]
ontime7	8380.233186245	Sum of GTIs [s]
ontime8	8380.0690262318	Sum of GTIs [s]
ontime9	8380.2742261887	Sum of GTIs [s]
l2events	183774	Number of level 2 events

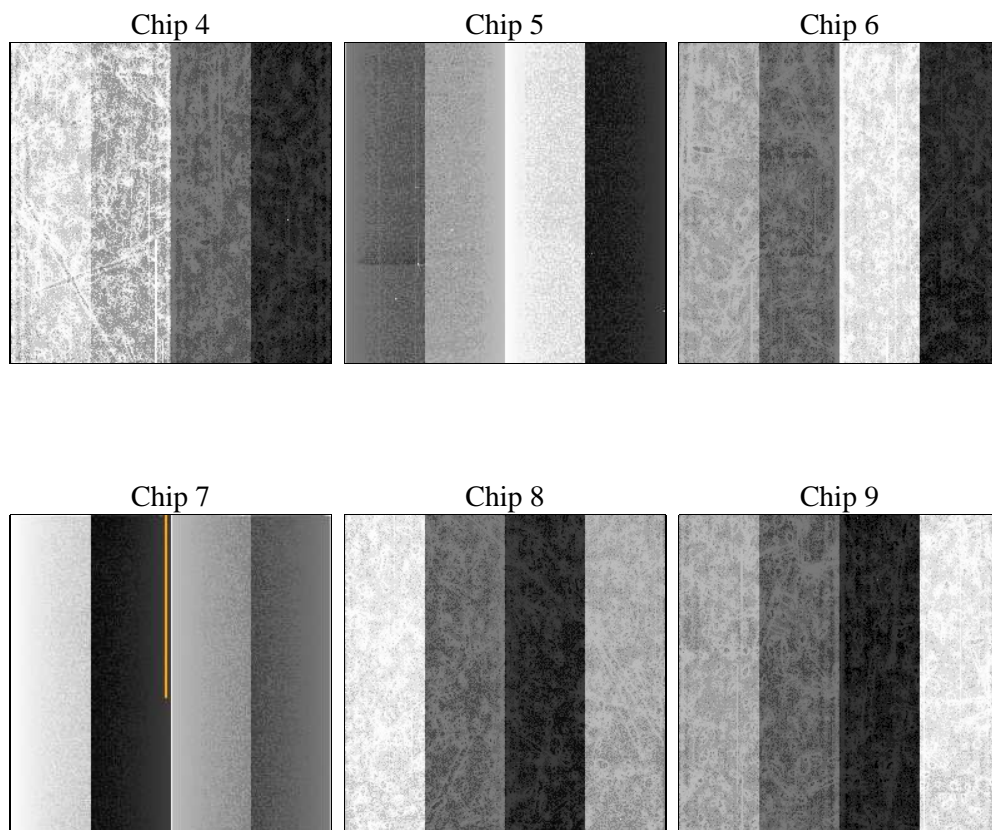
2 OBI

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	Processing system revision	ontime	8380.233186245	Sum of GTIs [s]
caldsver	4.7.0	 	ontime4	8380.1100661755	Sum of GTIs [s]
date	2015-12-25T03:46:44	Date and time of file creation	ontime5	8380.1921461821	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8380.1511062384	Sum of GTIs [s]
			ontime7	8380.233186245	Sum of GTIs [s]
			ontime8	8380.0690262318	Sum of GTIs [s]
			ontime9	8380.2742261887	Sum of GTIs [s]
			l1events	991029	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	167489	145042	179371	130871	180359	187897	grade 0 events	10766	3944	9518	5425	12806	9996
rejected events	145901	87193	157401	80189	147722	166170		6%	2%	5%	4%	7%	5%
rejected %	87%	60%	87%	61%	81%	88%	grade 1 events	112	204	50	111	93	65
								0%	0%	0%	0%	0%	0%
							grade 2 events	4587	21378	5540	12969	7606	4862
								2%	14%	3%	9%	4%	2%
							grade 3 events	1712	1613	1455	3525	2584	1590
								1%	1%	0%	2%	1%	0%
							grade 4 events	1616	1529	1418	3500	2575	1507
								0%	1%	0%	2%	1%	0%
							grade 5 events	3526	6435	3350	7939	4507	3787
								2%	4%	1%	6%	2%	2%
							grade 6 events	3111	29833	4246	25680	7336	3932
								1%	20%	2%	19%	4%	2%
							grade 7 events	142059	80106	153794	71722	142852	162158
								84%	55%	85%	54%	79%	86%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	69.99870122965469	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	38.97116862013214	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	235.0681494022991	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	567344379.365514	567344378.34051			
Observation start date	2015-12-24T11:39:39	2015-12-24T11:39:38			
[s] Observation end time (MET)	567354559.666092	567354558.64109			
Observation end date	2015-12-24T14:29:20	2015-12-24T14:29:18			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	David Huenemoerder
V&V Date (YYYY-MM-DD)	2015.12.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.380233186245

A.2 Comments