

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 53718 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : May 6 2013

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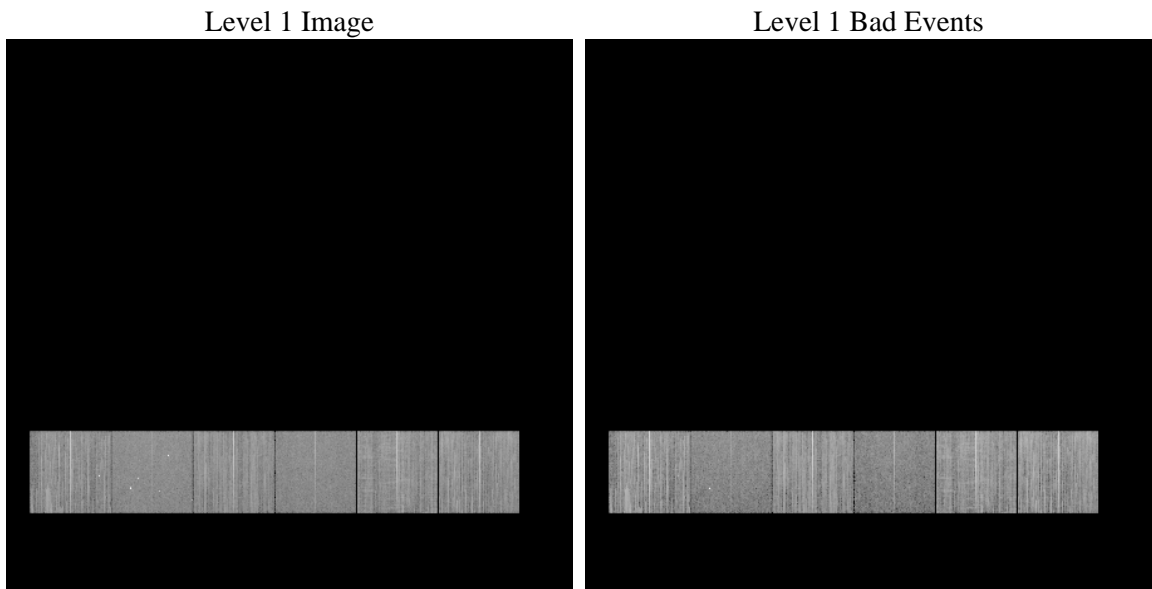
1 Front

seq_num	 	Sequence number
obs_id	53718	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	249.88046706443	Nominal RA [deg]
dec_nom	-28.258414261226	Nominal Dec [deg]
roll_nom	70.421095765886	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8143.9999697208	Sum of GTIs [s]
livetime	8040.8757383762	Livetime [s]
ontime4	8143.9999697208	Sum of GTIs [s]
ontime5	8143.9999697208	Sum of GTIs [s]
ontime6	8143.9999697208	Sum of GTIs [s]
ontime7	8143.9999697208	Sum of GTIs [s]
ontime8	8143.9999697208	Sum of GTIs [s]
ontime9	8143.9999697208	Sum of GTIs [s]
l2events	245547	Number of level 2 events

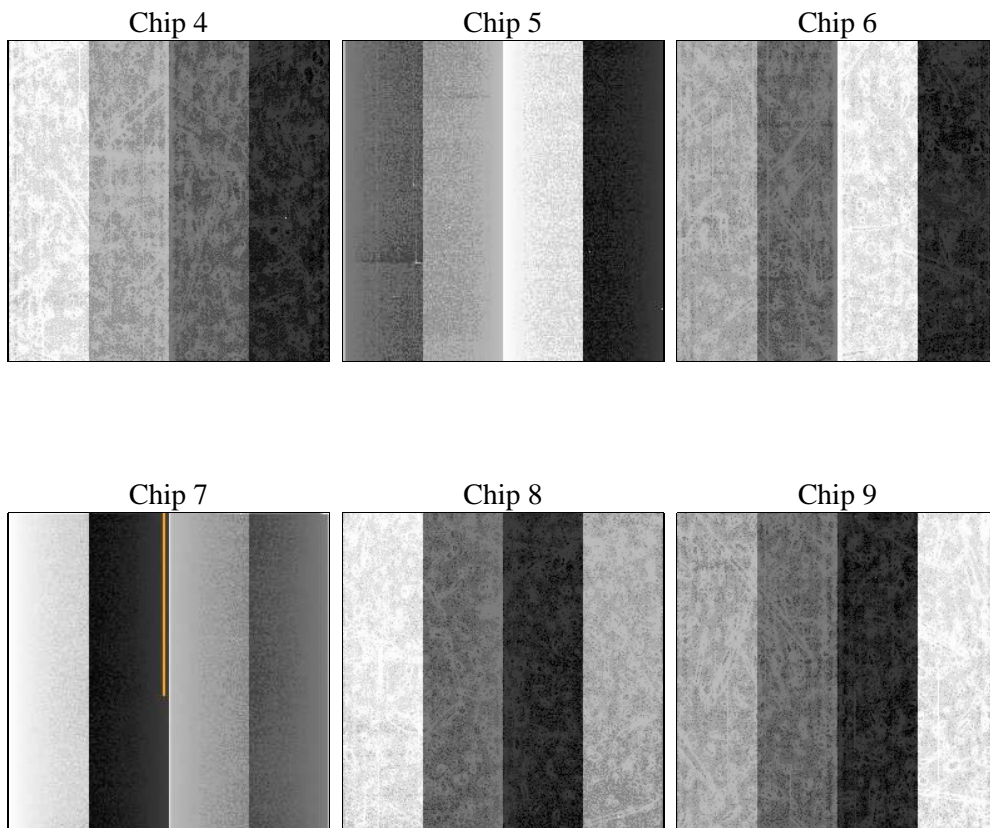
2 OBI

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	8.5.1.1	Processing system revision	ontime	8143.9999697208	Sum of GTIs [s]
caldsver	4.5.6	 	ontime4	8143.9999697208	Sum of GTIs [s]
date	2013-05-06T11:10:12	Date and time of file creation	ontime5	8143.9999697208	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8143.9999697208	Sum of GTIs [s]
			ontime7	8143.9999697208	Sum of GTIs [s]
			ontime8	8143.9999697208	Sum of GTIs [s]
			ontime9	8143.9999697208	Sum of GTIs [s]
			l1events	960428	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	167204	146022	166653	132088	175862	172599	grade 0 events	19556	9107	17545	8884	19951	17115
rejected events	132462	79219	131960	71593	132152	138851		11%	6%	10%	6%	11%	9%
rejected %	79%	54%	79%	54%	75%	80%	grade 1 events	166	168	108	121	124	96
								0%	0%	0%	0%	0%	0%
							grade 2 events	6329	24733	7072	15220	9141	6680
								3%	16%	4%	11%	5%	3%
							grade 3 events	2376	2550	2359	5125	3435	2406
								1%	1%	1%	3%	1%	1%
							grade 4 events	2357	2402	2296	5168	3289	2373
								1%	1%	1%	3%	1%	1%
							grade 5 events	3352	7055	3253	8072	4329	3624
								2%	4%	1%	6%	2%	2%
							grade 6 events	4795	29244	6105	27183	8638	5814
								2%	20%	3%	20%	4%	3%
							grade 7 events	128273	70763	127915	62315	126955	134491
								76%	48%	76%	47%	72%	77%

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	249.8804670644279	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-28.2584142612256	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	70.42109576588578	[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)	484160759.311212	484160758.28621			
Observation start date	2013-05-05T17:05:59	2013-05-05T17:05:58			
[s] Observation end time (MET)	484169512.811686	484169511.78669			
Observation end date	2013-05-05T19:31:53	2013-05-05T19:31:51			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2013.05.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1439999697208

A.2 Comments