

V&V Reference Report

L2 ASCDS Version : 10

Observation 53489 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Aug 9 2013

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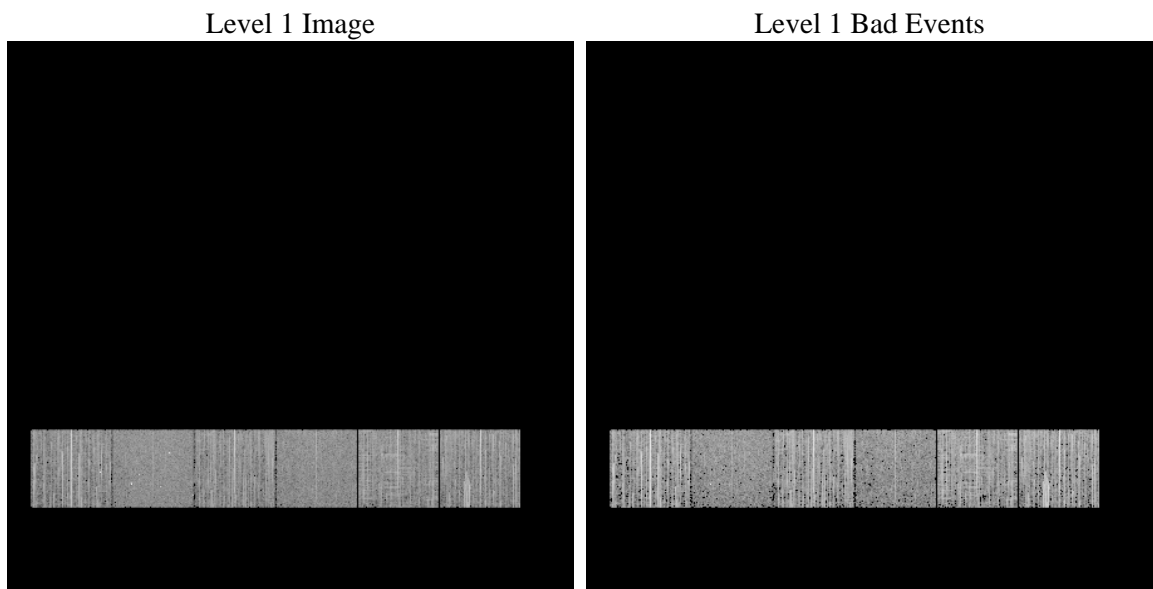
1 Front

seq_num	 	Sequence number
obs_id	53489	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	333.21340488191	Nominal RA [deg]
dec_nom	-46.210759309362	Nominal Dec [deg]
roll_nom	26.404135978477	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3283.1623691916	Sum of GTIs [s]
livetime	3241.5889903899	Livetime [s]
ontime4	3283.0719425678	Sum of GTIs [s]
ontime5	3283.1540225744	Sum of GTIs [s]
ontime6	3283.1129825711	Sum of GTIs [s]
ontime7	3283.1623691916	Sum of GTIs [s]
ontime8	3283.0309025645	Sum of GTIs [s]
ontime9	3283.1262544394	Sum of GTIs [s]
l2events	90908	Number of level 2 events

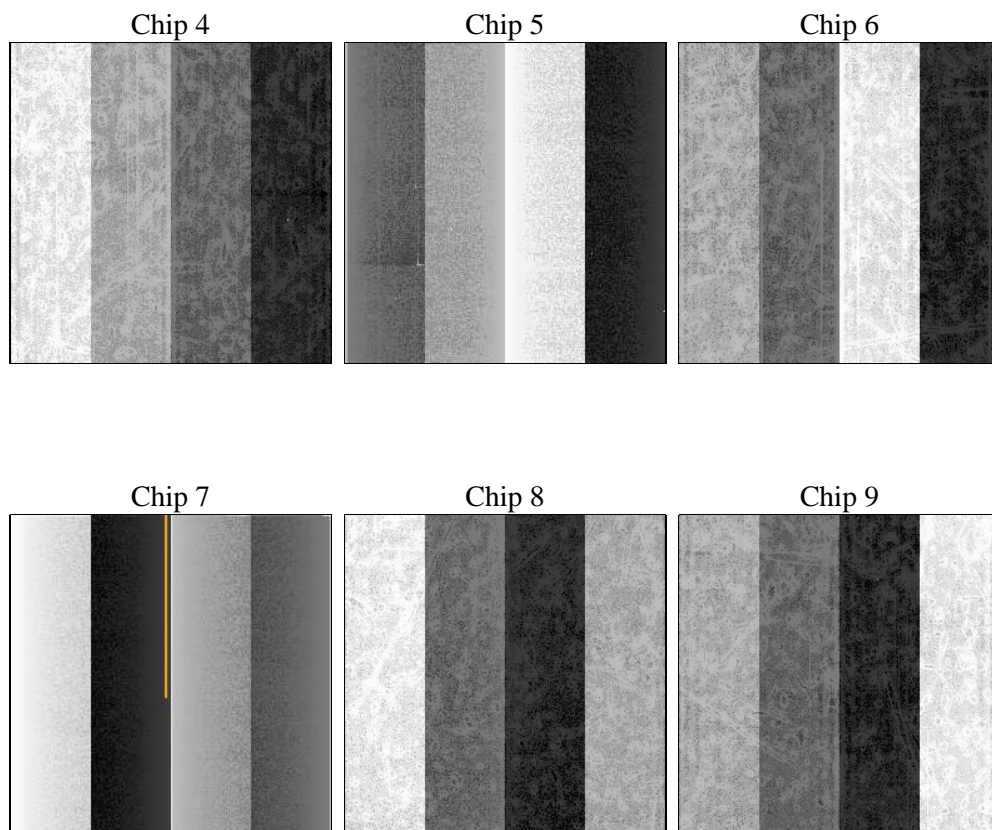
2 OBI

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	Processing system revision	ontime	3283.1623691916	Sum of GTIs [s]
caldbver	4.5.7	 	ontime4	3283.0719425678	Sum of GTIs [s]
date	2013-08-09T12:06:29	Date and time of file creation	ontime5	3283.1540225744	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	3283.1129825711	Sum of GTIs [s]
			ontime7	3283.1623691916	Sum of GTIs [s]
			ontime8	3283.0309025645	Sum of GTIs [s]
			ontime9	3283.1262544394	Sum of GTIs [s]
			l1events	348912	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	62453	52465	59399	48749	62547	63299	grade 0 events	6981	3119	6354	3256	7321	6247
rejected events	49718	27890	46648	26263	46325	50922		11%	5%	10%	6%	11%	9%
rejected %	79%	53%	78%	53%	74%	80%	grade 1 events	50	57	31	29	39	42
								0%	0%	0%	0%	0%	0%
							grade 2 events	2374	8938	2582	5419	3349	2367
								3%	17%	4%	11%	5%	3%
							grade 3 events	852	920	875	1896	1215	835
								1%	1%	1%	3%	1%	1%
							grade 4 events	868	830	803	1843	1223	838
								1%	1%	1%	3%	1%	1%
							grade 5 events	1228	2601	1204	2947	1609	1372
								1%	4%	2%	6%	2%	2%
							grade 6 events	1660	10768	2137	10072	3114	2090
								2%	20%	3%	20%	4%	3%
							grade 7 events	48440	25232	45413	23287	44677	49508
								77%	48%	76%	47%	71%	78%

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	333.2134048819054	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-46.21075930936193	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	26.40413597847695	[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)	492385804.608113	492385803.58311			
Observation start date	2013-08-08T21:50:05	2013-08-08T21:50:03			
[s] Observation end time (MET)	492394127.608566	492394126.58357			
Observation end date	2013-08-09T00:08:48	2013-08-09T00:08:46			
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)	2013.08.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2831623691916

A.2 Comments