

V&V Reference Report

L2 ASCDS Version : 10

Observation 53451 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Aug 26 2013

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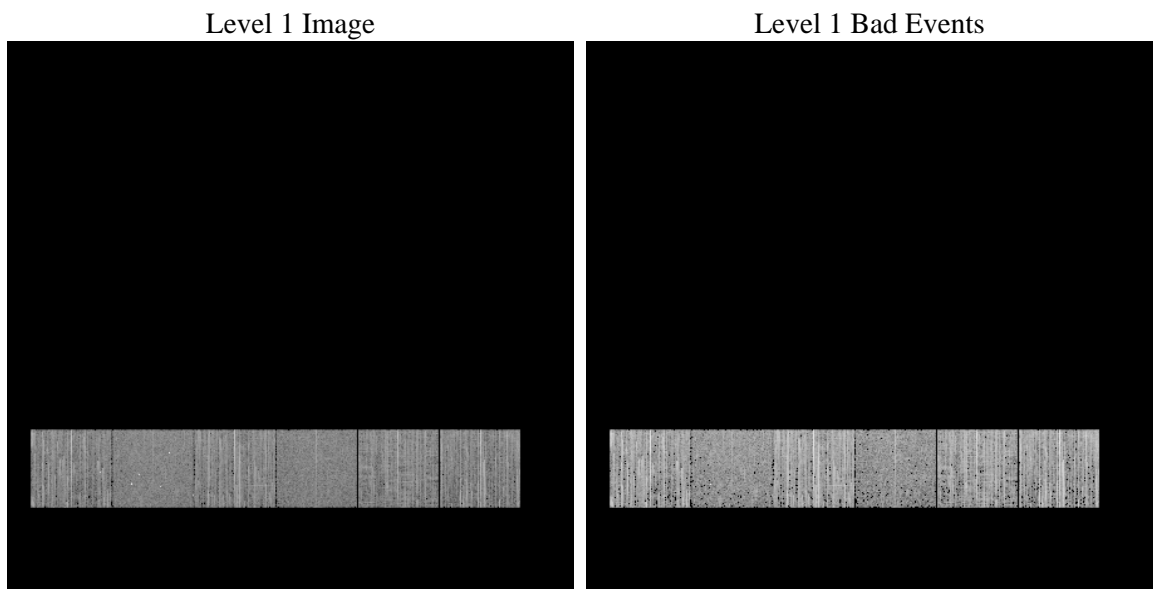
1 Front

seq_num	 	Sequence number
obs_id	53451	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	341.53939851454	Nominal RA [deg]
dec_nom	-56.240606782673	Nominal Dec [deg]
roll_nom	10.959671998626	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3281.9623562098	Sum of GTIs [s]
livetime	3240.4041726949	Livetime [s]
ontime4	3281.8392361999	Sum of GTIs [s]
ontime5	3281.9213162065	Sum of GTIs [s]
ontime6	3281.8802762032	Sum of GTIs [s]
ontime7	3281.9623562098	Sum of GTIs [s]
ontime8	3281.7981961966	Sum of GTIs [s]
ontime9	3282.0033962131	Sum of GTIs [s]
l2events	88738	Number of level 2 events

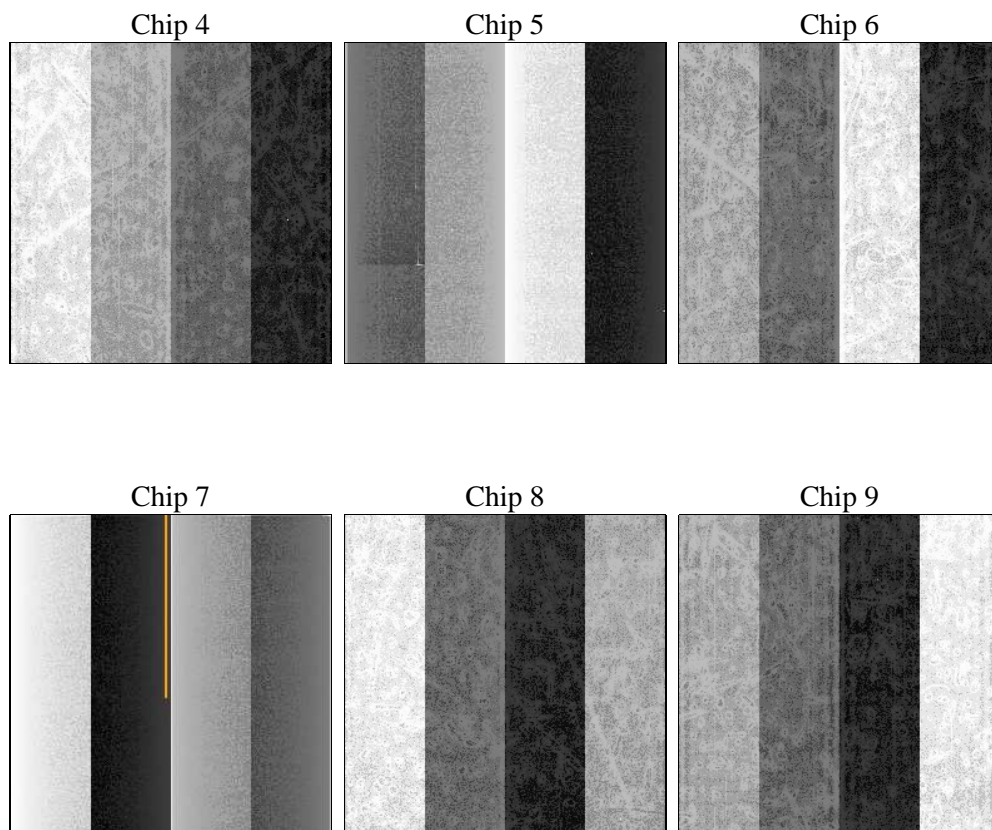
2 OBI

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	3281.9623562098	Sum of GTIs [s]
caldbver	4.5.8	 	ontime4	3281.8392361999	Sum of GTIs [s]
date	2013-08-26T19:27:45	Date and time of file creation	ontime5	3281.9213162065	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	3281.8802762032	Sum of GTIs [s]
			ontime7	3281.9623562098	Sum of GTIs [s]
			ontime8	3281.7981961966	Sum of GTIs [s]
			ontime9	3282.0033962131	Sum of GTIs [s]
			l1events	343863	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	59535	52297	63471	47333	59198	62029	grade 0 events	6791	3731	6264	3215	7139	6203
rejected events	47139	27533	50969	25276	43463	49813		11%	7%	9%	6%	12%	10%
rejected %	79%	52%	80%	53%	73%	80%	grade 1 events	63	72	26	27	46	30
								0%	0%	0%	0%	0%	0%
							grade 2 events	2341	8984	2444	5513	3076	2422
								3%	17%	3%	11%	5%	3%
							grade 3 events	828	855	857	1778	1231	781
								1%	1%	1%	3%	2%	1%
							grade 4 events	835	827	814	1826	1229	829
								1%	1%	1%	3%	2%	1%
							grade 5 events	1170	2318	1176	2884	1534	1402
								1%	4%	1%	6%	2%	2%
							grade 6 events	1601	10367	2123	9725	3060	1981
								2%	19%	3%	20%	5%	3%
							grade 7 events	45906	25143	49767	22365	41883	48381
								77%	48%	78%	47%	70%	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	341.5393985145396	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-56.24060678267296	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	10.9596719986263	[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)	493760663.833072	493760662.80807			
Observation start date	2013-08-24T19:44:24	2013-08-24T19:44:22			
[s] Observation end time (MET)	493765844.183355	493765843.15835			
Observation end date	2013-08-24T21:10:44	2013-08-24T21:10:43			
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)	2013.08.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2819623562098

A.2 Comments