

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 53658 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jun 5 2013

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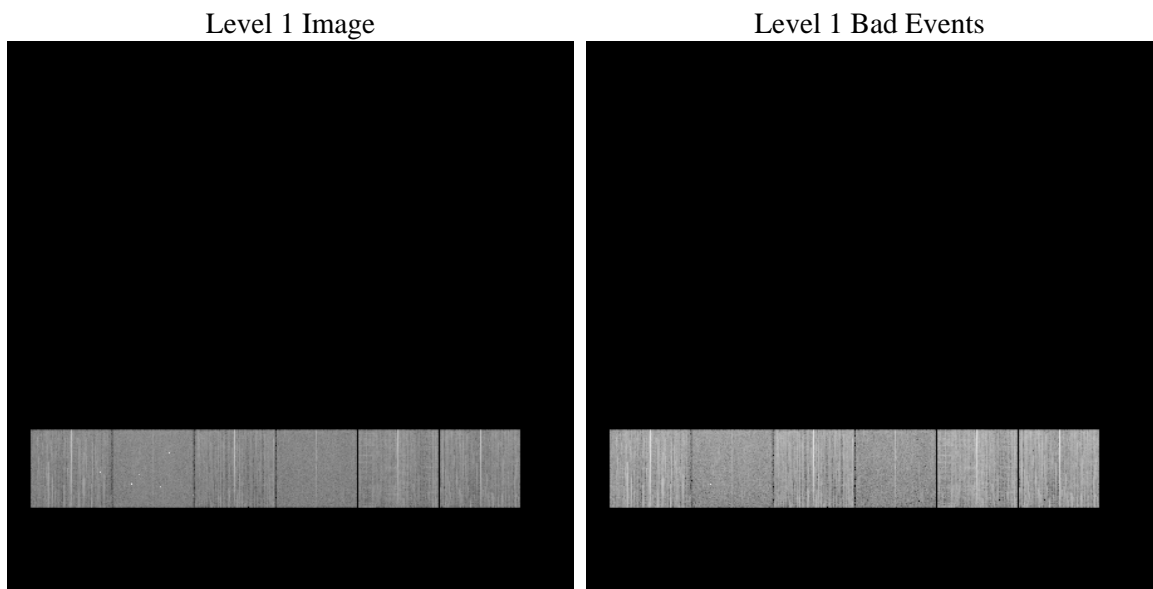
1 Front

seq_num	 	Sequence number
obs_id	53658	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	160.15872865267	Nominal RA [deg]
dec_nom	68.324494019053	Nominal Dec [deg]
roll_nom	262.53716121343	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8281.5999692082	Sum of GTIs [s]
livetime	8176.7333638173	Livetime [s]
ontime4	8281.5999692082	Sum of GTIs [s]
ontime5	8281.5999692082	Sum of GTIs [s]
ontime6	8281.5999692082	Sum of GTIs [s]
ontime7	8281.5999692082	Sum of GTIs [s]
ontime8	8281.5999692082	Sum of GTIs [s]
ontime9	8281.5999692082	Sum of GTIs [s]
l2events	237051	Number of level 2 events

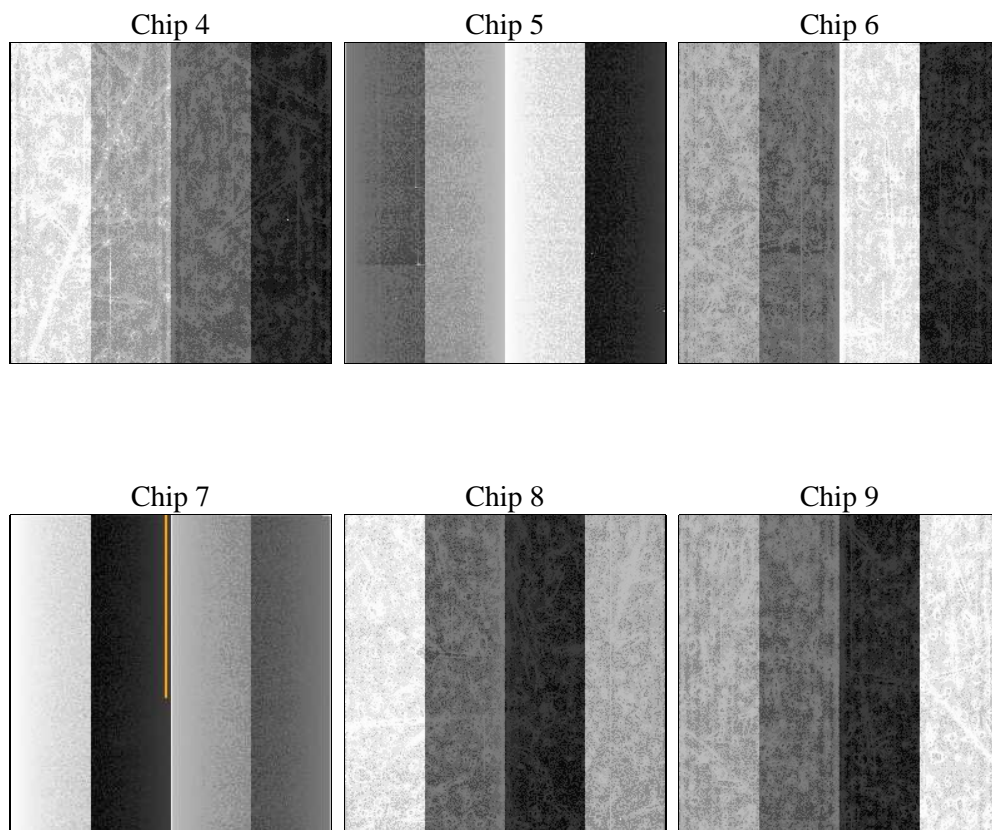
2 OBI

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	8281.5999692082	Sum of GTIs [s]
caldsver	4.5.6	 	ontime4	8281.5999692082	Sum of GTIs [s]
date	2013-06-05T14:59:52	Date and time of file creation	ontime5	8281.5999692082	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8281.5999692082	Sum of GTIs [s]
			ontime7	8281.5999692082	Sum of GTIs [s]
			ontime8	8281.5999692082	Sum of GTIs [s]
			ontime9	8281.5999692082	Sum of GTIs [s]
			l1events	849823	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	147129	134118	141817	121372	153882	151505	grade 0 events	19042	8409	16978	8589	19132	16705
rejected events	112932	70333	107737	64145	112438	118360		12%	6%	11%	7%	12%	11%
rejected %	76%	52%	75%	52%	73%	78%	grade 1 events	151	117	59	81	114	110
								0%	0%	0%	0%	0%	0%
							grade 2 events	6110	23853	6740	14097	8257	6506
								4%	17%	4%	11%	5%	4%
							grade 3 events	2287	2278	2258	4779	3071	2314
								1%	1%	1%	3%	1%	1%
							grade 4 events	2240	2155	2180	4724	3046	2259
								1%	1%	1%	3%	1%	1%
							grade 5 events	2969	6285	3019	7117	3716	3365
								2%	4%	2%	5%	2%	2%
							grade 6 events	4518	27090	5924	25038	7938	5361
								3%	20%	4%	20%	5%	3%
							grade 7 events	109812	63931	104659	56947	108608	114885
								74%	47%	73%	46%	70%	75%

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	160.1587286526699	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	68.3244940190534	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	262.5371612134323	[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	250.4635187648994			
[mm] SIM translation stage offset	0	-0.007540371344731511			
[s] Observation start time (MET)	486641423.445744	486641422.42074			
Observation start date	2013-06-03T10:10:23	2013-06-03T10:10:22			
[s] Observation end time (MET)	486663883.246963	486663882.22196			
Observation end date	2013-06-03T16:24:43	2013-06-03T16:24:42			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2013.06.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2815999692082

A.2 Comments