

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 53939 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Feb 19 2013

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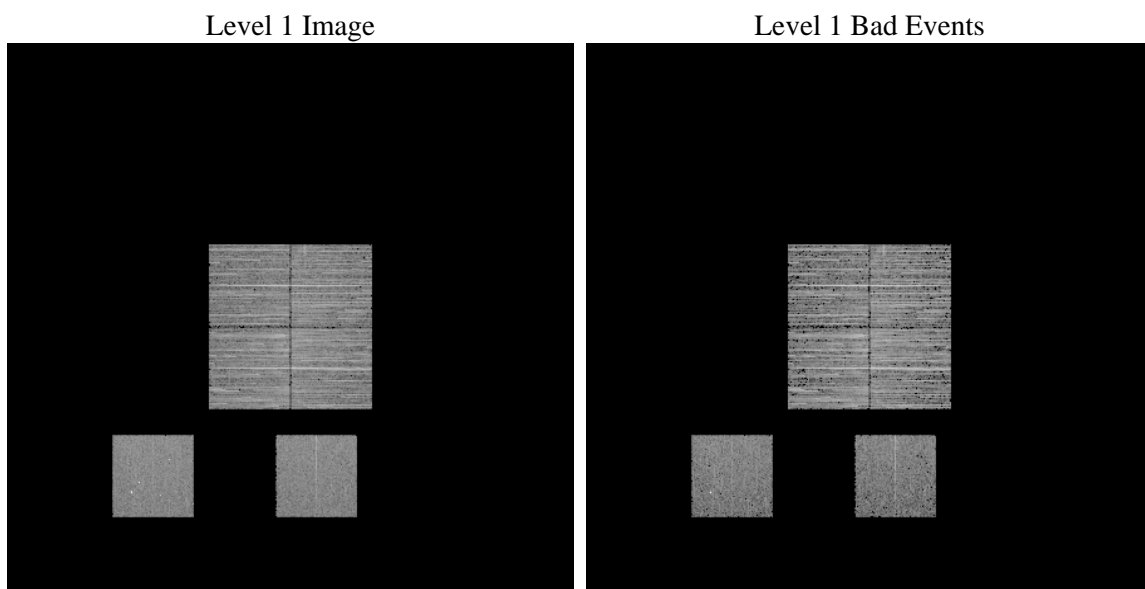
1 Front

seq_num	 	Sequence number
obs_id	53939	Observation id
title	ACIS-012357 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	175.88047617179	Nominal RA [deg]
dec_nom	-1.377842516283	Nominal Dec [deg]
roll_nom	63.675187012682	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3366.2656245828	Sum of GTIs [s]
livetime	3323.6399423225	Livetime [s]
ontime0	3366.2245845795	Sum of GTIs [s]
ontime1	3366.1835445762	Sum of GTIs [s]
ontime2	3366.1425045729	Sum of GTIs [s]
ontime3	3366.3066645861	Sum of GTIs [s]
ontime5	3366.1014645696	Sum of GTIs [s]
ontime7	3366.2656245828	Sum of GTIs [s]
l2events	104620	Number of level 2 events

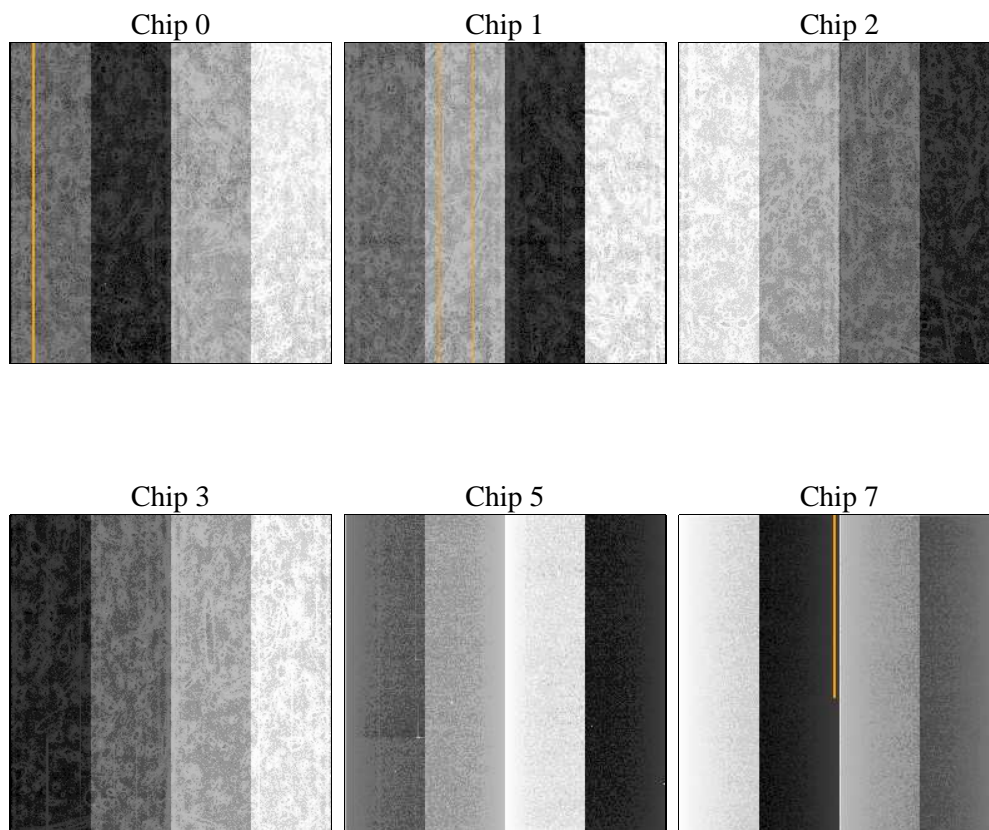
2 OBI

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	3366.2656245828	Sum of GTIs [s]
caldbver	4.5.5	 	ontime0	3366.2245845795	Sum of GTIs [s]
date	2013-02-19T20:13:51	Date and time of file creation	ontime1	3366.1835445762	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	3366.1425045729	Sum of GTIs [s]
			ontime3	3366.3066645861	Sum of GTIs [s]
			ontime5	3366.1014645696	Sum of GTIs [s]
			ontime7	3366.2656245828	Sum of GTIs [s]
			l1events	387722	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	61060	66786	69928	71584	61763	56601	grade 0 events	7251	7153	7721	7609	3777	3919
rejected events	47078	52468	55576	57449	33646	30482		11%	10%	11%	10%	6%	6%
rejected %	77%	78%	79%	80%	54%	53%	grade 1 events	31	32	48	51	63	41
								0%	0%	0%	0%	0%	0%
							grade 2 events	2893	3010	2811	2725	10422	6516
								4%	4%	4%	3%	16%	11%
							grade 3 events	976	995	971	1019	1137	2297
								1%	1%	1%	1%	1%	4%
							grade 4 events	964	1033	1034	997	1013	2219
								1%	1%	1%	1%	1%	3%
							grade 5 events	1248	1271	1231	1471	3077	3380
								2%	1%	1%	2%	4%	5%
							grade 6 events	2246	2473	2200	2170	12458	11839
								3%	3%	3%	3%	20%	20%
							grade 7 events	45451	50819	53912	55542	29816	26390
								74%	76%	77%	77%	48%	46%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012357	ACIS-012357
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	175.8804761717853
[deg] Pointing Dec	0	-1.377842516283008
[deg] Pointing Roll	0.0	63.675187012682
SIM focus pos (mm)	-1.4281808131	-1.4281808131
[mm] SIM defocus	0.1051557500557434	0.1051557500557434
SIM translation stage pos (mm)	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	477505977.201127	477505977.201127
Observation start date	2013-02-17T16:32:57	2013-02-17T16:32:57
[s] Observation end time (MET)	477510691.431502	477510691.431502
Observation end date	2013-02-17T17:51:31	2013-02-17T17:51:31
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2013.02.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.3662656245828

A.2 Comments