

V&V Reference Report

L2 ASCDS Version : 10

Observation 53464 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Aug 20 2013

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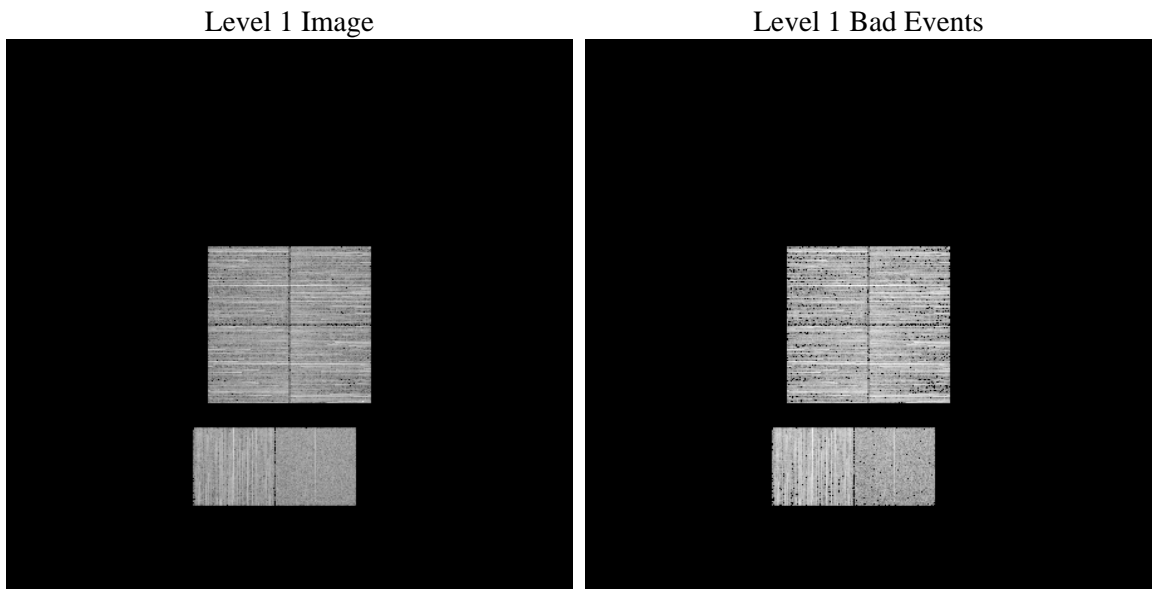
1 Front

seq_num	 	Sequence number
obs_id	53464	Observation id
title	ACIS-012367 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	38.115025905067	Nominal RA [deg]
dec_nom	-32.611665331027	Nominal Dec [deg]
roll_nom	90.069175207392	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3253.2694989443	Sum of GTIs [s]
livetime	3212.0746416649	Livetime [s]
ontime0	3162.4807145	Sum of GTIs [s]
ontime1	3178.6448348165	Sum of GTIs [s]
ontime2	3181.8447259068	Sum of GTIs [s]
ontime3	3169.0448746681	Sum of GTIs [s]
ontime6	3162.3575747013	Sum of GTIs [s]
ontime7	3253.2694989443	Sum of GTIs [s]
l2events	76727	Number of level 2 events

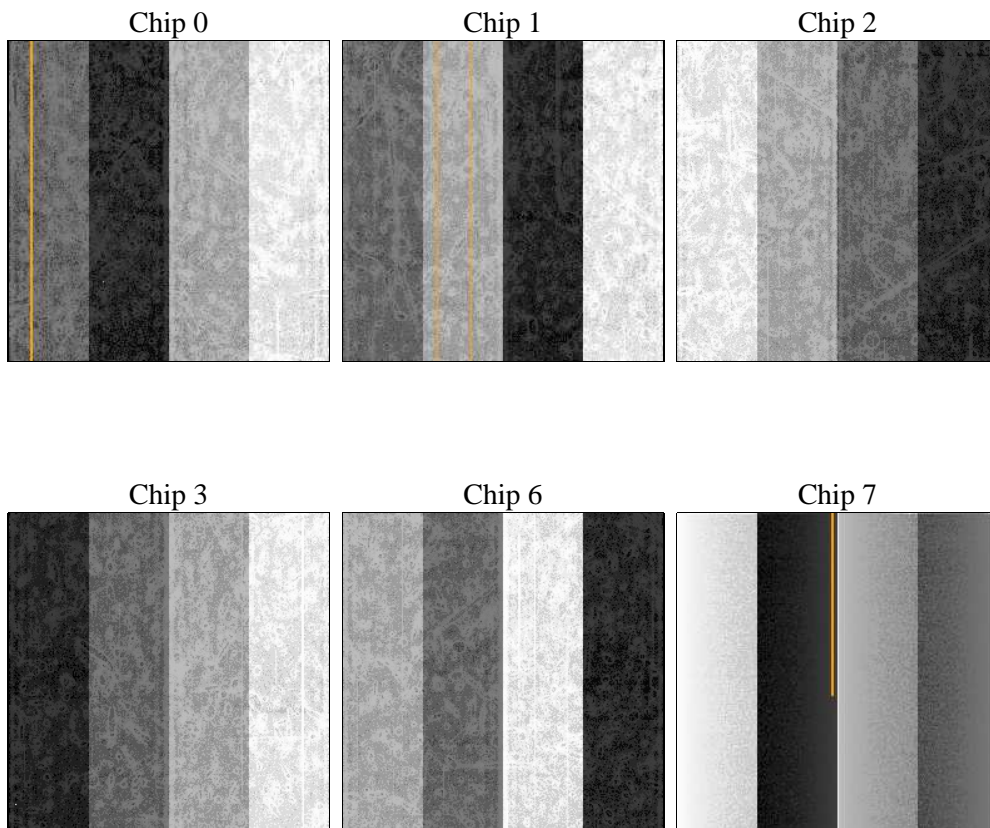
2 OBI

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	3253.2694989443	Sum of GTIs [s]
caldbver	4.5.7	 	ontime0	3162.4807145	Sum of GTIs [s]
date	2013-08-20T04:52:09	Date and time of file creation	ontime1	3178.6448348165	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	3181.8447259068	Sum of GTIs [s]
			ontime3	3169.0448746681	Sum of GTIs [s]
			ontime6	3162.3575747013	Sum of GTIs [s]
			ontime7	3253.2694989443	Sum of GTIs [s]
			l1events	348718	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	53292	60093	59073	62461	64862	48937	grade 0 events	6094	5906	6466	6546	6393	3331
rejected events	41473	48245	47009	50199	52256	26703		11%	9%	10%	10%	9%	6%
rejected %	77%	80%	79%	80%	80%	54%	grade 1 events	34	23	35	39	30	28
								0%	0%	0%	0%	0%	0%
							grade 2 events	2376	2564	2349	2359	2650	5491
								4%	4%	3%	3%	4%	11%
							grade 3 events	780	719	833	842	768	1850
								1%	1%	1%	1%	1%	3%
							grade 4 events	783	821	780	818	745	1749
								1%	1%	1%	1%	1%	3%
							grade 5 events	1100	1033	1023	1210	1117	2920
								2%	1%	1%	1%	1%	5%
							grade 6 events	1915	1999	1768	1824	2199	10094
								3%	3%	2%	2%	3%	20%
							grade 7 events	40210	47028	45819	48823	50960	23474
								75%	78%	77%	78%	78%	47%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	38.11502590506706
[deg] Pointing Dec	0	-32.611665331027
[deg] Pointing Roll	0.0	90.06917520739181
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)	493302308.408058	493302308.408058
Observation start date	2013-08-19T12:25:08	2013-08-19T12:25:08
[s] Observation end time (MET)	493307127.156631	493307127.156631
Observation end date	2013-08-19T13:45:27	2013-08-19T13:45:27
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	Joy Nichols
V&V Date (YYYY-MM-DD)	2013.08.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2532694989443

A.2 Comments