

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 54005 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jan 20 2013

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Star Slots	6
2.4	FID Slots	6
A	Summary	7
A.1	Status	7
A.2	Comments	7

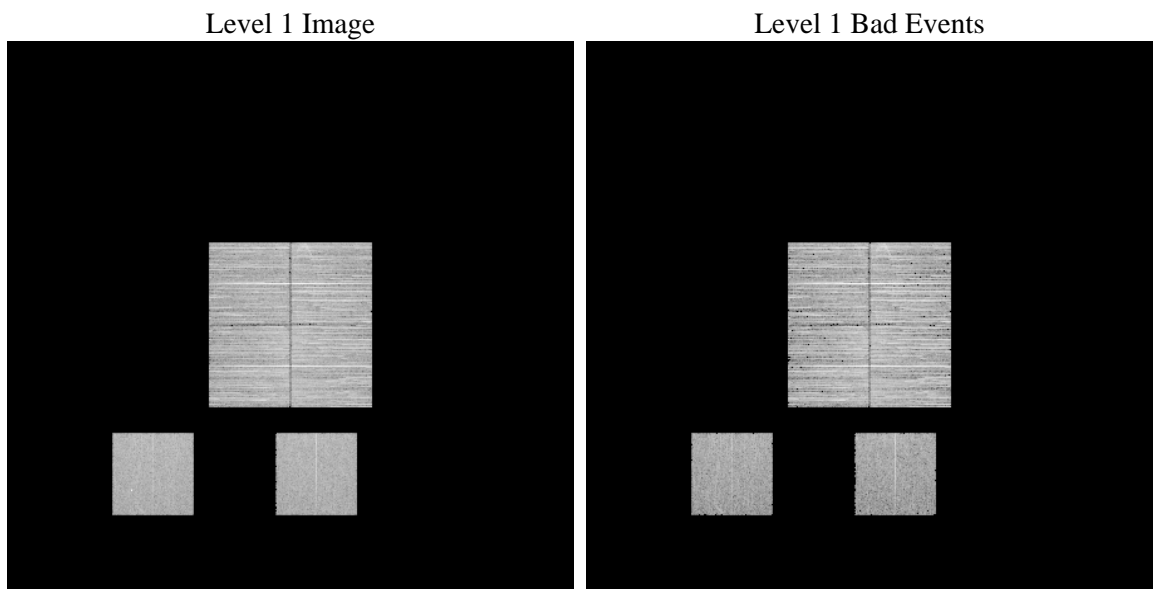
1 Front

seq_num	 	Sequence number
obs_id	54005	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	102.02818675346	Nominal RA [deg]
dec_nom	-0.0049406697807598	Nominal Dec [deg]
roll_nom	317.19244487336	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5001.5999814272	Sum of GTIs [s]
livetime	4938.2667108604	Livetime [s]
ontime0	5001.5999814272	Sum of GTIs [s]
ontime1	5001.5999814272	Sum of GTIs [s]
ontime2	5001.5999814272	Sum of GTIs [s]
ontime3	5001.5999814272	Sum of GTIs [s]
ontime5	5001.5999814272	Sum of GTIs [s]
ontime7	5001.5999814272	Sum of GTIs [s]
l2events	149528	Number of level 2 events

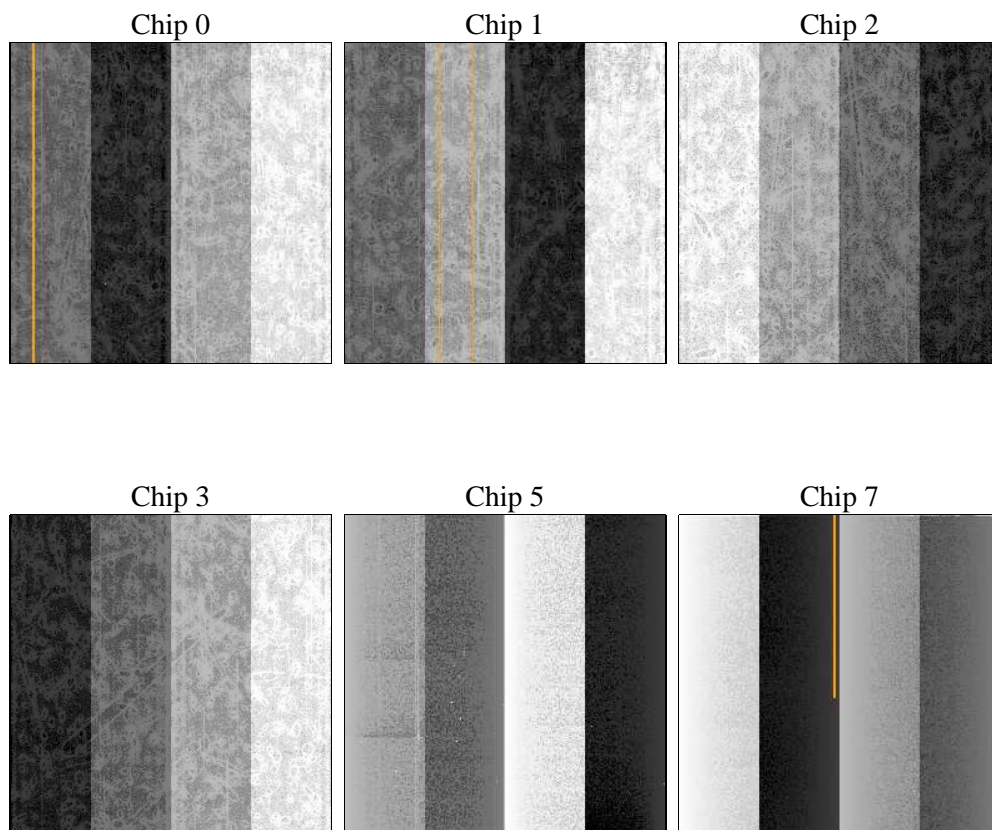
2 OBI

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	5001.5999814272	Sum of GTIs [s]
caldsver	4.5.5	 	ontime0	5001.5999814272	Sum of GTIs [s]
date	2013-01-20T15:20:08	Date and time of file creation	ontime1	5001.5999814272	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	5001.5999814272	Sum of GTIs [s]
			ontime3	5001.5999814272	Sum of GTIs [s]
			ontime5	5001.5999814272	Sum of GTIs [s]
			ontime7	5001.5999814272	Sum of GTIs [s]
			l1events	583494	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	95931	108819	102978	111881	83459	80426	grade 0 events	9547	8290	10146	10344	2924	5046
rejected events	75376	88254	82355	90969	45966	43592		9%	7%	9%	9%	3%	6%
rejected %	78%	81%	79%	81%	55%	54%	grade 1 events	56	33	51	68	76	47
								0%	0%	0%	0%	0%	0%
							grade 2 events	5190	6175	4629	4647	13606	9093
								5%	5%	4%	4%	16%	11%
							grade 3 events	1189	1135	1319	1352	1232	2748
								1%	1%	1%	1%	1%	3%
							grade 4 events	1203	1182	1311	1321	1152	2693
								1%	1%	1%	1%	1%	3%
							grade 5 events	1648	1515	1500	1828	3367	4210
								1%	1%	1%	1%	4%	5%
							grade 6 events	3426	3783	3218	3248	18579	17254
								3%	3%	3%	2%	22%	21%
							grade 7 events	73672	86706	80804	89073	42523	39335
								76%	79%	78%	79%	50%	48%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012357	ACIS-012357	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	102.028186753458	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-0.00494066978075983	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	317.1924448733632	[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)	475015883.066625	475015882.04162			
Observation start date	2013-01-19T20:51:23	2013-01-19T20:51:22			
[s] Observation end time (MET)	475025331.517134	475025330.49213			
Observation end date	2013-01-19T23:28:52	2013-01-19T23:28:50			
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)	2013.01.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.0015999814272

A.2 Comments