

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 54051 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jan 4 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

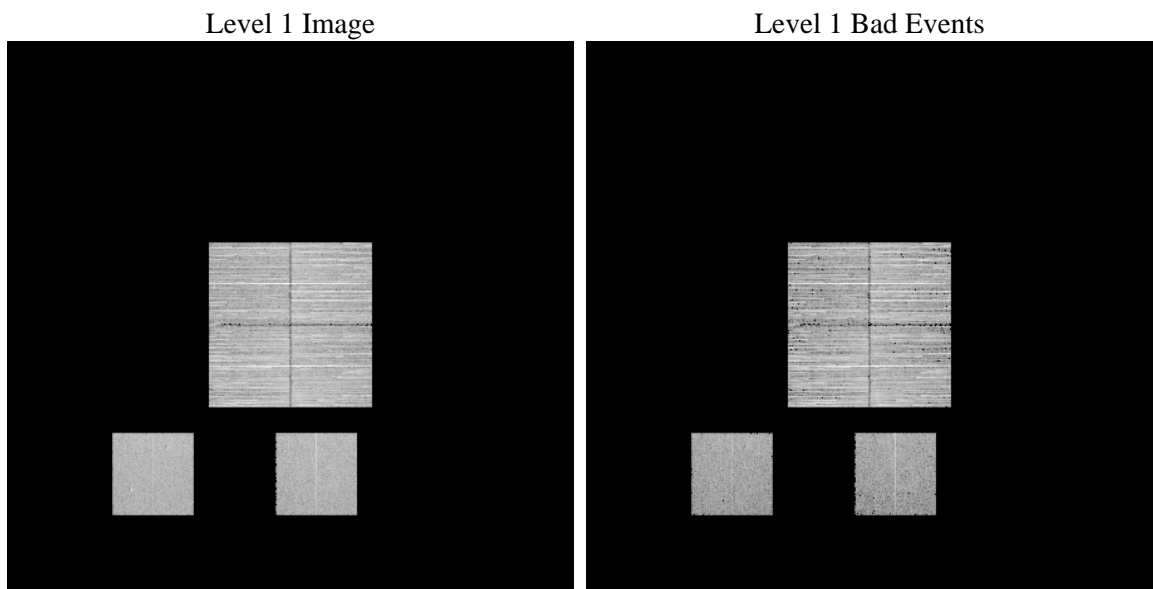
1 Front

seq_num	 	Sequence number
obs_id	54051	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	123.00627791466	Nominal RA [deg]
dec_nom	6.0280346771794	Nominal Dec [deg]
roll_nom	44.583364951692	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4508.799983263	Sum of GTIs [s]
livetime	4451.7068430015	Livetime [s]
ontime0	4502.3178722262	Sum of GTIs [s]
ontime1	4508.799983263	Sum of GTIs [s]
ontime2	4508.799983263	Sum of GTIs [s]
ontime3	4508.799983263	Sum of GTIs [s]
ontime5	4508.799983263	Sum of GTIs [s]
ontime7	4508.799983263	Sum of GTIs [s]
l2events	138970	Number of level 2 events

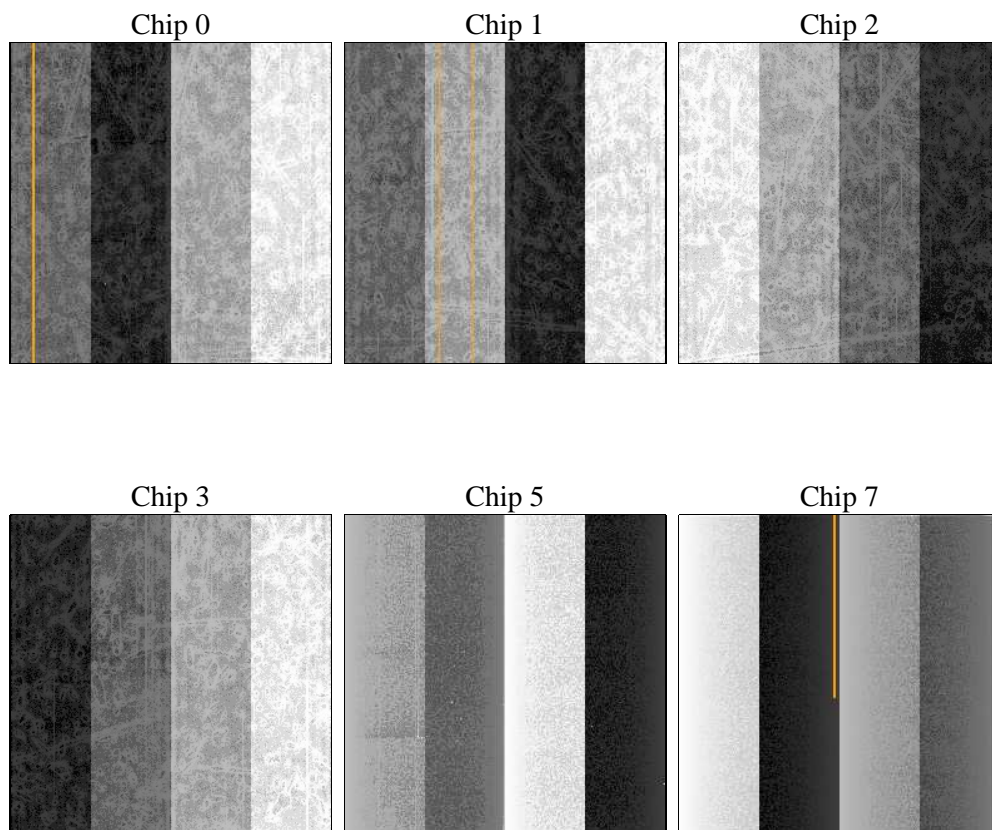
2 OBI

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	4508.799983263	Sum of GTIs [s]
caldsver	4.5.5	 	ontime0	4502.3178722262	Sum of GTIs [s]
date	2013-01-04T15:58:08	Date and time of file creation	ontime1	4508.799983263	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	4508.799983263	Sum of GTIs [s]
			ontime3	4508.799983263	Sum of GTIs [s]
			ontime5	4508.799983263	Sum of GTIs [s]
			ontime7	4508.799983263	Sum of GTIs [s]
			l1events	532819	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	83536	102952	100434	95887	76756	73254	grade 0 events	9691	9246	9928	10044	3053	4762
rejected events	64428	83669	81171	76523	41660	39426		11%	8%	9%	10%	3%	6%
rejected %	77%	81%	80%	79%	54%	53%	grade 1 events	66	35	57	65	76	47
								0%	0%	0%	0%	0%	0%
							grade 2 events	3916	4236	3854	3753	13288	8345
								4%	4%	3%	3%	17%	11%
							grade 3 events	1226	1196	1265	1243	1118	2609
								1%	1%	1%	1%	1%	3%
							grade 4 events	1247	1280	1327	1358	1088	2628
								1%	1%	1%	1%	1%	3%
							grade 5 events	1564	1632	1514	1831	3289	4231
								1%	1%	1%	1%	4%	5%
							grade 6 events	3028	3325	2889	2966	16549	15484
								3%	3%	2%	3%	21%	21%
							grade 7 events	62798	82002	79600	74627	38295	35148
								75%	79%	79%	77%	49%	47%

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	123.0062779146586	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	6.02803467717937	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	44.58336495169202	[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)	473646628.542696	473646627.5177			
Observation start date	2013-01-04T00:30:29	2013-01-04T00:30:27			
[s] Observation end time (MET)	473653543.193067	473653542.16807			
Observation end date	2013-01-04T02:25:43	2013-01-04T02:25:42			
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)	2013.01.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.508799983263

A.2 Comments