

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 54631 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : May 8 2012

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

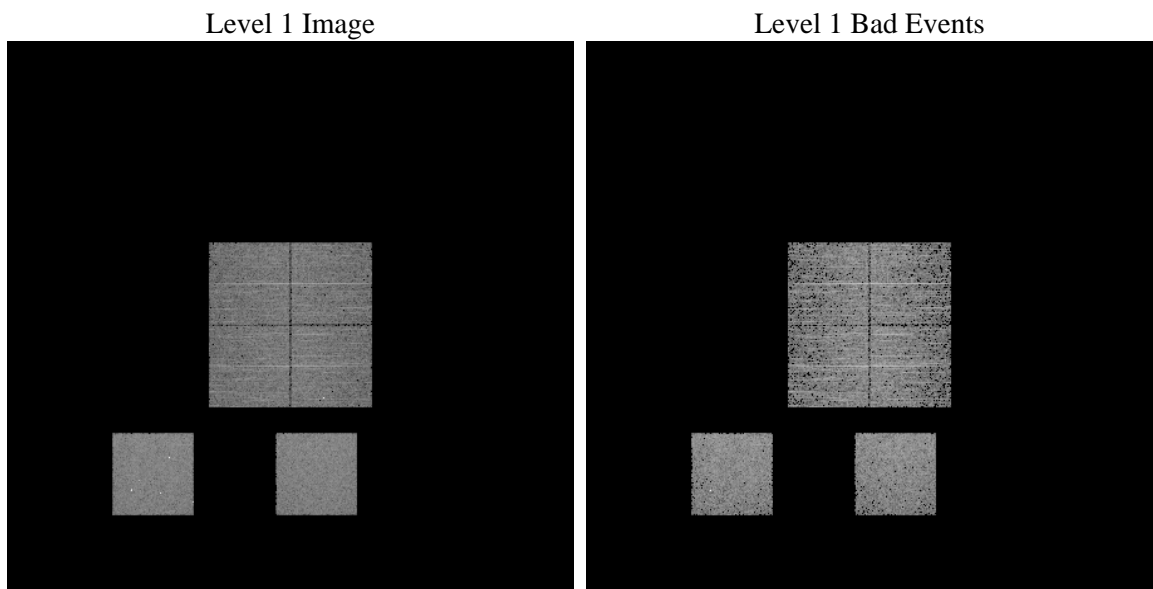
1 Front

seq_num	 	Sequence number
obs_id	54631	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	241.17114686383	Nominal RA [deg]
dec_nom	1.3036173713912	Nominal Dec [deg]
roll_nom	140.24408885887	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3279.9999878407	Sum of GTIs [s]
livetime	3238.4666530157	Livetime [s]
ontime0	3279.9999878407	Sum of GTIs [s]
ontime1	3279.9999878407	Sum of GTIs [s]
ontime2	3279.9999878407	Sum of GTIs [s]
ontime3	3279.9999878407	Sum of GTIs [s]
ontime5	3279.9999878407	Sum of GTIs [s]
ontime7	3279.9999878407	Sum of GTIs [s]
l2events	114495	Number of level 2 events

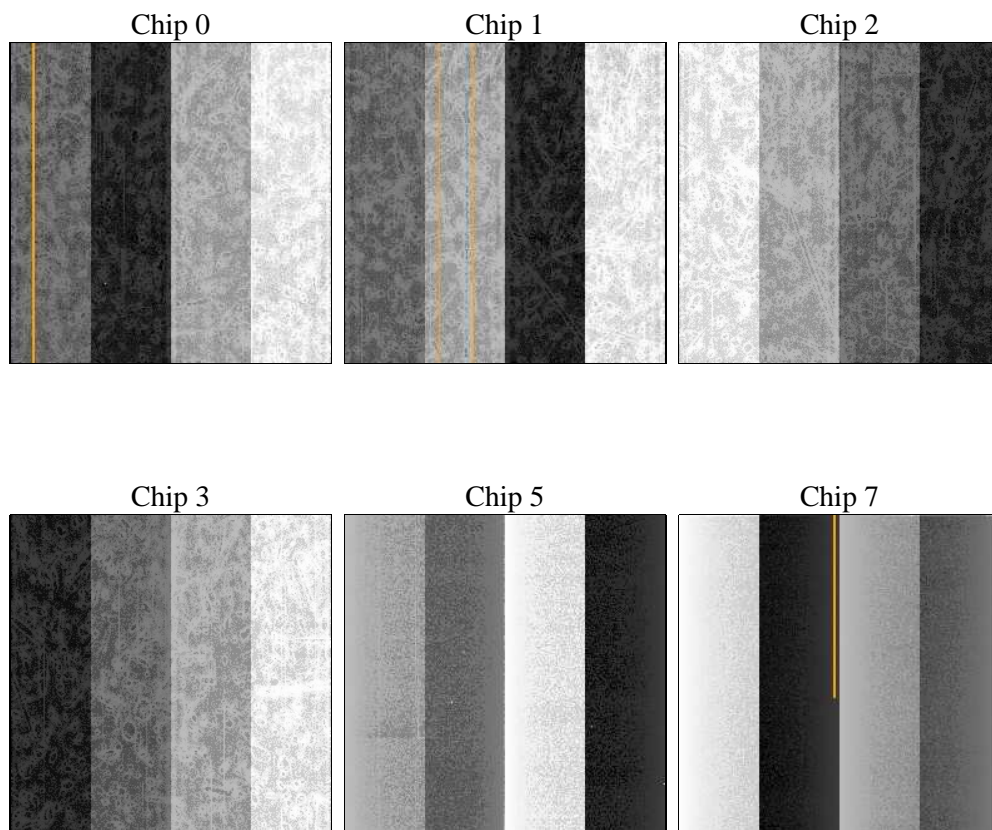
2 OBI

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	8.4.4	Processing system revision	ontime	3279.9999878407	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	3279.9999878407	Sum of GTIs [s]
date	2012-05-08T22:27:33	Date and time of file creation	ontime1	3279.9999878407	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	3279.9999878407	Sum of GTIs [s]
			ontime3	3279.9999878407	Sum of GTIs [s]
			ontime5	3279.9999878407	Sum of GTIs [s]
			ontime7	3279.9999878407	Sum of GTIs [s]
			l1events	252050	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	35391	36035	37282	38867	54438	50037	grade 0 events	8302	7971	8795	8586	4665	4416
rejected events	19566	20031	21105	21461	23605	22839		23%	22%	23%	22%	8%	8%
rejected %	55%	55%	56%	55%	43%	45%	grade 1 events	58	38	40	53	92	37
								0%	0%	0%	0%	0%	0%
							grade 2 events	2933	3191	2771	4076	10885	5897
								8%	8%	7%	10%	19%	11%
							grade 3 events	1135	1071	1114	1202	1032	2350
								3%	2%	2%	3%	1%	4%
							grade 4 events	1035	1075	1106	1167	1056	2428
								2%	2%	2%	3%	1%	4%
							grade 5 events	1356	1367	1193	1446	2806	3559
								3%	3%	3%	3%	5%	7%
							grade 6 events	2433	2716	2408	2386	13226	12132
								6%	7%	6%	6%	24%	24%
							grade 7 events	18139	18606	19855	19951	20676	19218
								51%	51%	53%	51%	37%	38%

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	241.1711468638258	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	1.303617371391236	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	140.2440888588703	[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)	452830944.857095	452830943.83209			
Observation start date	2012-05-08T02:22:25	2012-05-08T02:22:23			
[s] Observation end time (MET)	452840399.457597	452840398.4326			
Observation end date	2012-05-08T04:59:59	2012-05-08T04:59:58			
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)	2012.05.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2799999878407

A.2 Comments