

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 54640 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : May 3 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

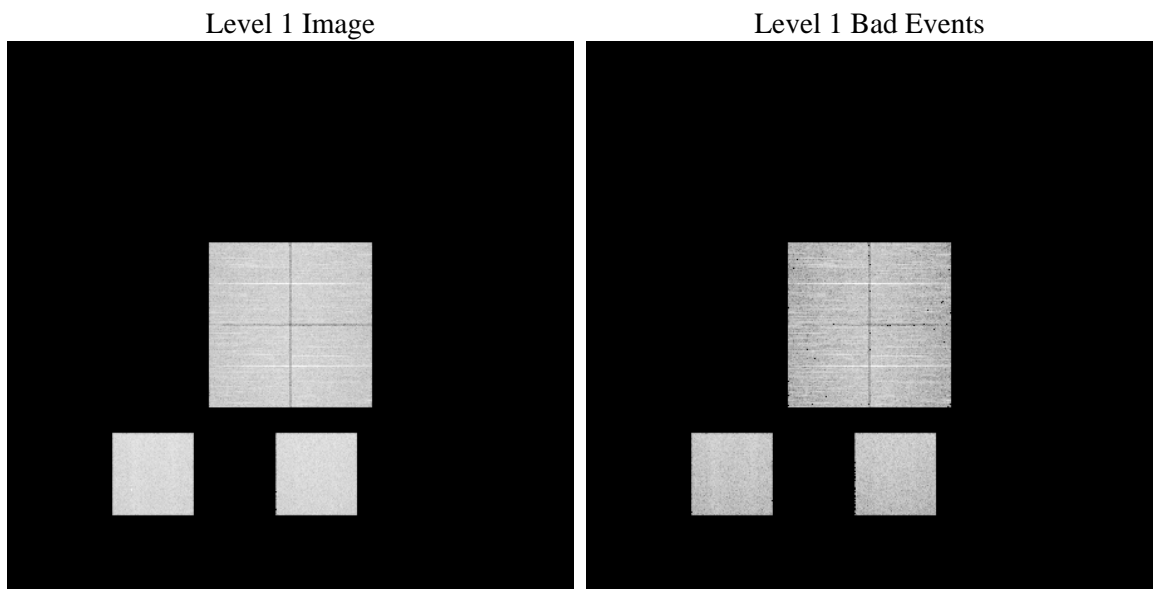
1 Front

seq_num	 	Sequence number
obs_id	54640	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	232.01801644368	Nominal RA [deg]
dec_nom	-38.174999879853	Nominal Dec [deg]
roll_nom	27.570022905635	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8275.1999692321	Sum of GTIs [s]
livetime	8170.4144044945	Livetime [s]
ontime0	8275.1999692321	Sum of GTIs [s]
ontime1	8275.1999692321	Sum of GTIs [s]
ontime2	8275.1999692321	Sum of GTIs [s]
ontime3	8275.1999692321	Sum of GTIs [s]
ontime5	8275.1999692321	Sum of GTIs [s]
ontime7	8275.1999692321	Sum of GTIs [s]
l2events	318000	Number of level 2 events

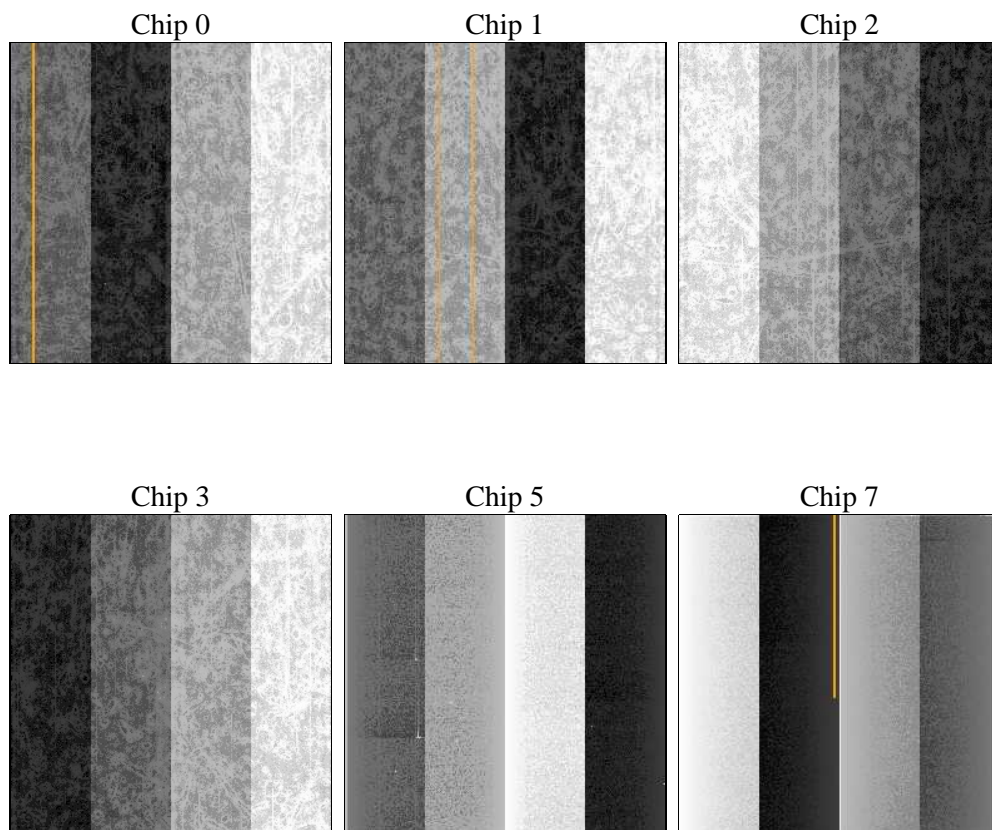
2 OBI

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	8275.1999692321	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	8275.1999692321	Sum of GTIs [s]
date	2012-05-03T18:59:29	Date and time of file creation	ontime1	8275.1999692321	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8275.1999692321	Sum of GTIs [s]
			ontime3	8275.1999692321	Sum of GTIs [s]
			ontime5	8275.1999692321	Sum of GTIs [s]
			ontime7	8275.1999692321	Sum of GTIs [s]
			l1events	662736	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	97738	98307	100228	100677	134159	131627	grade 0 events	23285	22796	24092	24650	6780	11501
rejected events	51769	51343	54278	54279	59225	58390		23%	23%	24%	24%	5%	8%
rejected %	52%	52%	54%	53%	44%	44%	grade 1 events	134	106	162	164	155	108
								0%	0%	0%	0%	0%	0%
							grade 2 events	8965	10054	8260	8193	28214	16252
								9%	10%	8%	8%	21%	12%
							grade 3 events	3044	2944	3176	3117	2480	5928
								3%	2%	3%	3%	1%	4%
							grade 4 events	2977	2927	3126	3053	2366	5984
								3%	2%	3%	3%	1%	4%
							grade 5 events	3386	3311	3200	3662	6593	8569
								3%	3%	3%	3%	4%	6%
							grade 6 events	7712	8254	7316	7403	35120	33595
								7%	8%	7%	7%	26%	25%
							grade 7 events	48235	47915	50896	50435	52451	49690
								49%	48%	50%	50%	39%	37%

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	232.0180164436791	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-38.17499987985256	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	27.57002290563464	[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)	452398118.084127	452398117.05913			
Observation start date	2012-05-03T02:08:38	2012-05-03T02:08:37			
[s] Observation end time (MET)	452408806.784694	452408805.75969			
Observation end date	2012-05-03T05:06:47	2012-05-03T05:06:45			
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)	2012.05.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2751999692321

A.2 Comments