

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 55495 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 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

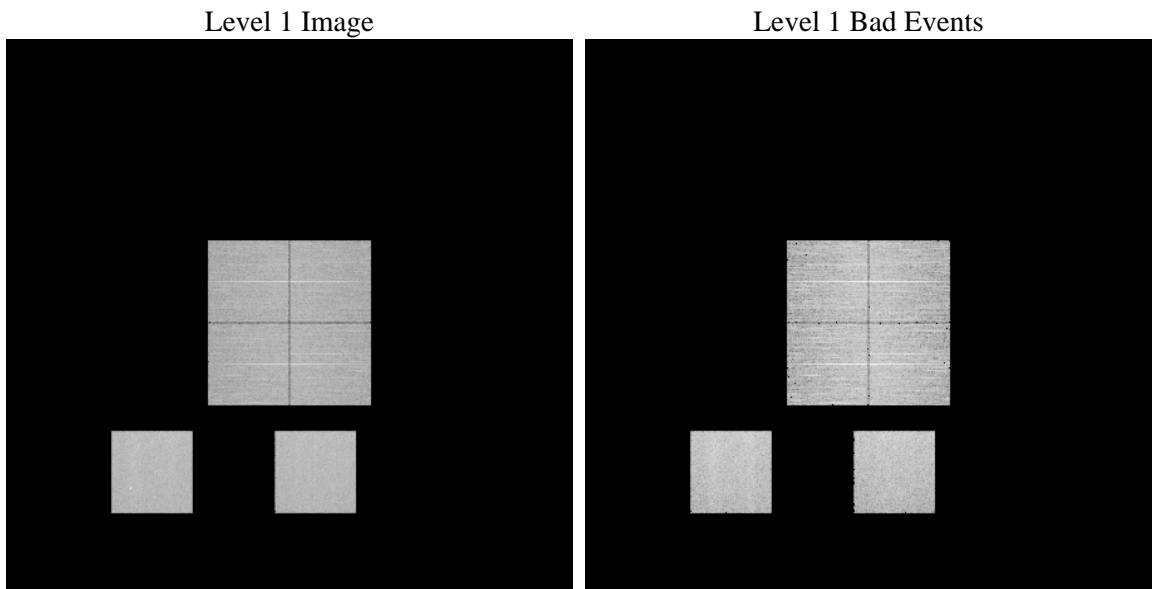
1 Front

seq_num	 	Sequence number
obs_id	55495	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	239.98466575312	Nominal RA [deg]
dec_nom	-14.675355441927	Nominal Dec [deg]
roll_nom	88.155616995213	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8281.125095427	Sum of GTIs [s]
livetime	8176.2645031738	Livetime [s]
ontime0	8281.0840554237	Sum of GTIs [s]
ontime1	8281.0430154204	Sum of GTIs [s]
ontime2	8281.0019754171	Sum of GTIs [s]
ontime3	8281.1661354303	Sum of GTIs [s]
ontime5	8280.9609354138	Sum of GTIs [s]
ontime7	8281.125095427	Sum of GTIs [s]
l2events	344128	Number of level 2 events

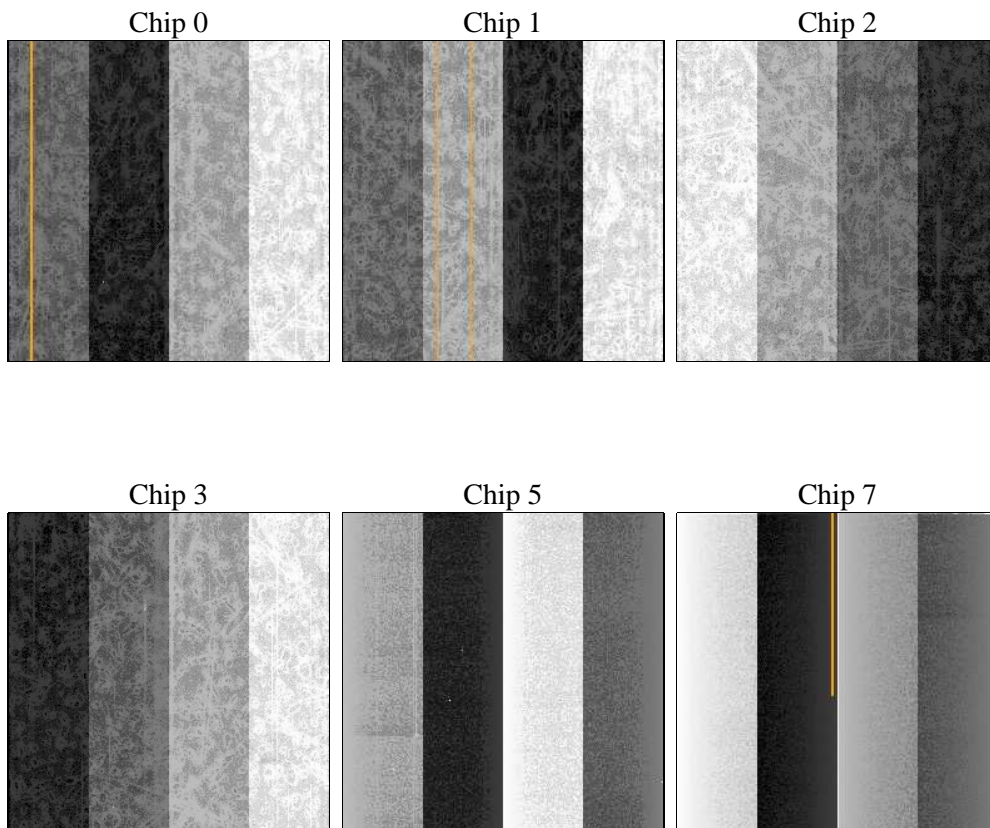
2 OBI

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	8.4.3	Processing system revision	ontime	8281.125095427	Sum of GTIs [s]
caldsver	4.4.7	 	ontime0	8281.0840554237	Sum of GTIs [s]
date	2012-02-08T22:14:13	Date and time of file creation	ontime1	8281.0430154204	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8281.0019754171	Sum of GTIs [s]
			ontime3	8281.1661354303	Sum of GTIs [s]
			ontime5	8280.9609354138	Sum of GTIs [s]
			ontime7	8281.125095427	Sum of GTIs [s]
			l1events	709221	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	105691	104870	106964	110679	142466	138551	grade 0 events	26270	25122	27102	27376	8033	12997
rejected events	55165	54365	57077	60355	62251	58849		24%	23%	25%	24%	5%	9%
rejected %	52%	51%	53%	54%	43%	42%	grade 1 events	174	132	175	199	171	114
								0%	0%	0%	0%	0%	0%
							grade 2 events	9567	10605	8695	8750	30032	17609
								9%	10%	8%	7%	21%	12%
							grade 3 events	3417	3222	3396	3399	2837	6630
								3%	3%	3%	3%	1%	4%
							grade 4 events	3393	3216	3346	3442	2770	6725
								3%	3%	3%	3%	1%	4%
							grade 5 events	3303	3167	3090	3569	6954	8551
								3%	3%	2%	3%	4%	6%
							grade 6 events	7903	8363	7369	7369	36567	35762
								7%	7%	6%	6%	25%	25%
							grade 7 events	51664	51043	53791	56575	55102	50163
								48%	48%	50%	51%	38%	36%

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	239.9846657531154	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-14.67535544192665	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	88.15561699521251	[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)	419724349.801772	419724348.77677			
Observation start date	2011-04-20T22:05:50	2011-04-20T22:05:48			
[s] Observation end time (MET)	419734351.752291	419734350.72729			
Observation end date	2011-04-21T00:52:32	2011-04-21T00:52:30			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.02.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.281125095427

A.2 Comments