

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 55341 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 12 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

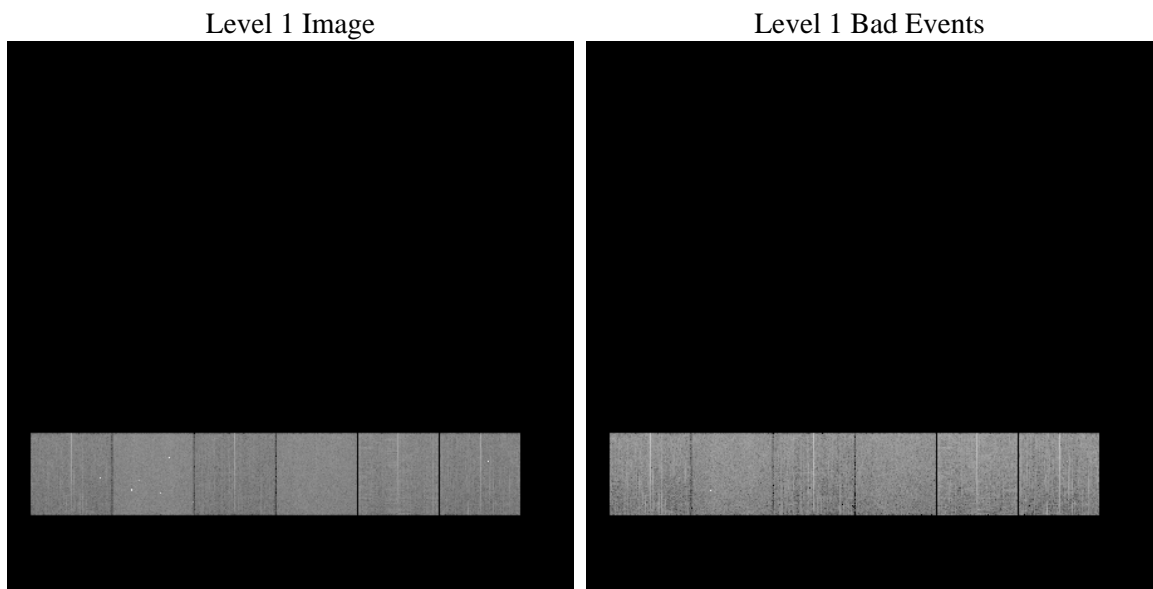
1 Front

seq_num	 	Sequence number
obs_id	55341	Observation id
title	ACIS-456789 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	198.02730499604	Nominal RA [deg]
dec_nom	-47.520273003836	Nominal Dec [deg]
roll_nom	269.01329341069	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8284.0514110923	Sum of GTIs [s]
livetime	8179.1537640681	Livetime [s]
ontime4	8287.2418888211	Sum of GTIs [s]
ontime5	8284.0514011383	Sum of GTIs [s]
ontime6	8280.8104404211	Sum of GTIs [s]
ontime7	8284.0514110923	Sum of GTIs [s]
ontime8	8287.2008488178	Sum of GTIs [s]
ontime9	8284.0514011383	Sum of GTIs [s]
l2events	344930	Number of level 2 events

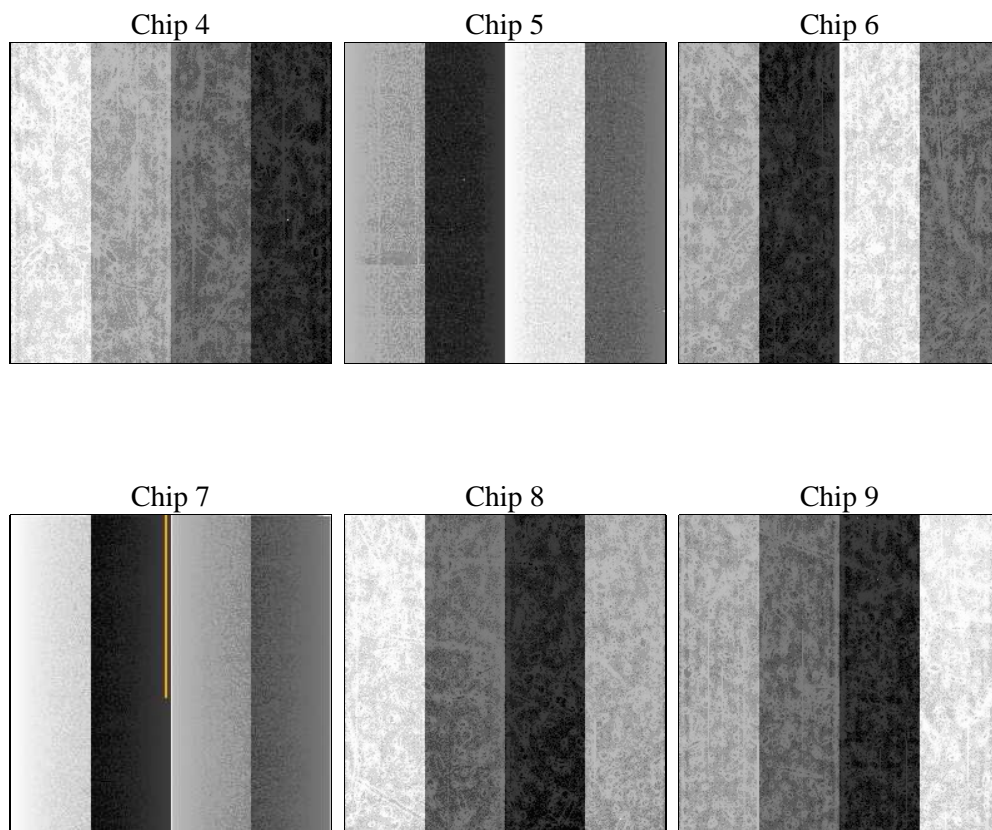
2 OBI

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	8284.0514110923	Sum of GTIs [s]
caldsver	4.4.7	 	ontime4	8287.2418888211	Sum of GTIs [s]
date	2012-02-12T14:28:26	Date and time of file creation	ontime5	8284.0514011383	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8280.8104404211	Sum of GTIs [s]
			ontime7	8284.0514110923	Sum of GTIs [s]
			ontime8	8287.2008488178	Sum of GTIs [s]
			ontime9	8284.0514011383	Sum of GTIs [s]
			l1events	732120	Number of level 1 events

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	109169	142817	106952	133660	127494	112028	grade 0 events	29852	13306	26983	13462	30579	29235
rejected events	57321	58805	54655	55405	63741	58369		27%	9%	25%	10%	23%	26%
rejected %	52%	41%	51%	41%	49%	52%	grade 1 events	242	163	134	122	174	158
								0%	0%	0%	0%	0%	0%
							grade 2 events	8114	29371	9469	16900	12069	9156
								7%	20%	8%	12%	9%	8%
							grade 3 events	3536	3318	3400	6994	4796	3508
								3%	2%	3%	5%	3%	3%
							grade 4 events	3548	3138	3394	6858	4709	3385
								3%	2%	3%	5%	3%	3%
							grade 5 events	3413	7404	3540	8494	4684	3967
								3%	5%	3%	6%	3%	3%
							grade 6 events	6798	34879	9051	34041	11600	8375
								6%	24%	8%	25%	9%	7%
							grade 7 events	53666	51238	50981	46789	58883	54244
								49%	35%	47%	35%	46%	48%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	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	198.0273049960357	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-47.52027300383566	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	269.0132934106882	[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)	424753432.613065	424753431.58806			
Observation start date	2011-06-18T03:03:53	2011-06-18T03:03:51			
[s] Observation end time (MET)	424762868.763556	424762867.73855			
Observation end date	2011-06-18T05:41:09	2011-06-18T05:41:07			
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)	2012.02.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2840514110923

A.2 Comments