

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 53794 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Apr 7 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

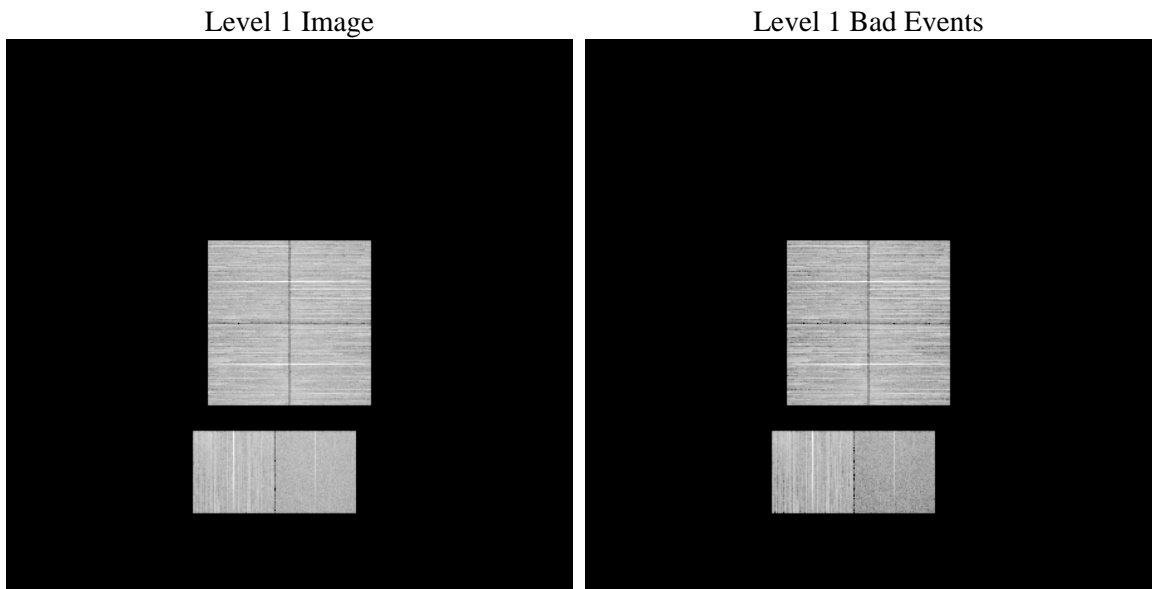
1 Front

seq_num	 	Sequence number
obs_id	53794	Observation id
title	ACIS-012367 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtycle	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	202.02365915806	Nominal RA [deg]
dec_nom	-33.978998211125	Nominal Dec [deg]
roll_nom	14.140564978841	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8284.0979786515	Sum of GTIs [s]
livetime	8179.1997419609	Livetime [s]
ontime0	8284.0979786515	Sum of GTIs [s]
ontime1	8284.0979889035	Sum of GTIs [s]
ontime2	8284.0666919351	Sum of GTIs [s]
ontime3	8284.0979787707	Sum of GTIs [s]
ontime6	8284.0256519318	Sum of GTIs [s]
ontime7	8284.0979786515	Sum of GTIs [s]
l2events	214167	Number of level 2 events

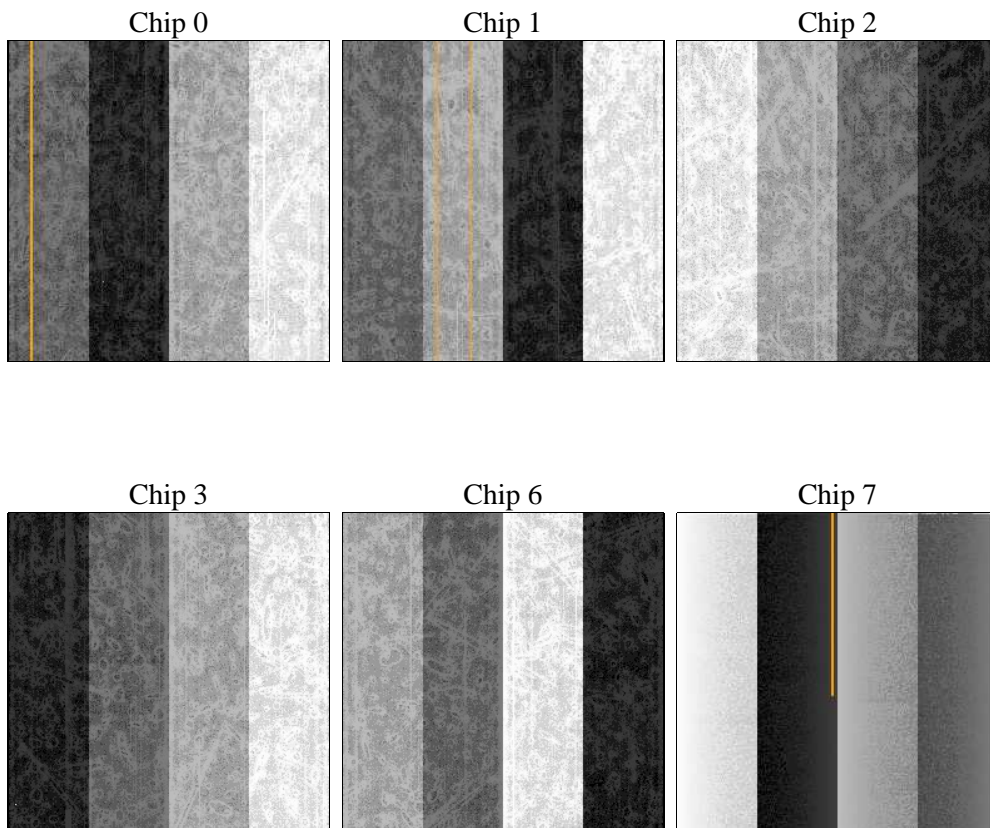
2 OBI

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	8284.0979786515	Sum of GTIs [s]
caldsver	4.5.6	 	ontime0	8284.0979786515	Sum of GTIs [s]
date	2013-04-07T07:39:01	Date and time of file creation	ontime1	8284.0979889035	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8284.0666919351	Sum of GTIs [s]
			ontime3	8284.0979787707	Sum of GTIs [s]
			ontime6	8284.0256519318	Sum of GTIs [s]
			ontime7	8284.0979786515	Sum of GTIs [s]
			l1events	1013386	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	167816	183583	176538	175652	176338	133459	grade 0 events	15555	14003	16847	16774	13917	7926
rejected events	134894	150641	143371	142051	142200	73476		9%	7%	9%	9%	7%	5%
rejected %	80%	82%	81%	80%	80%	55%	grade 1 events	91	69	74	93	61	90
								0%	0%	0%	0%	0%	0%
							grade 2 events	7730	9182	6992	7193	9979	14738
								4%	5%	3%	4%	5%	11%
							grade 3 events	2131	1889	2175	2231	1841	4545
								1%	1%	1%	1%	1%	3%
							grade 4 events	2037	1907	2076	2150	1857	4559
								1%	1%	1%	1%	1%	3%
							grade 5 events	2704	2721	2530	3105	2749	7225
								1%	1%	1%	1%	1%	5%
							grade 6 events	5469	5961	5077	5253	6544	28215
								3%	3%	2%	2%	3%	21%
							grade 7 events	132099	147851	140767	138853	139390	66161
								78%	80%	79%	79%	79%	49%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	202.0236591580581	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-33.97899821112463	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	14.14056497884105	[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)	481645819.175018	481645818.15002			
Observation start date	2013-04-06T14:30:19	2013-04-06T14:30:18			
[s] Observation end time (MET)	481655999.47557	481655998.45057			
Observation end date	2013-04-06T17:19:59	2013-04-06T17:19:58			
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)	2013.04.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2840979786515

A.2 Comments