

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 54537 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jun 19 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

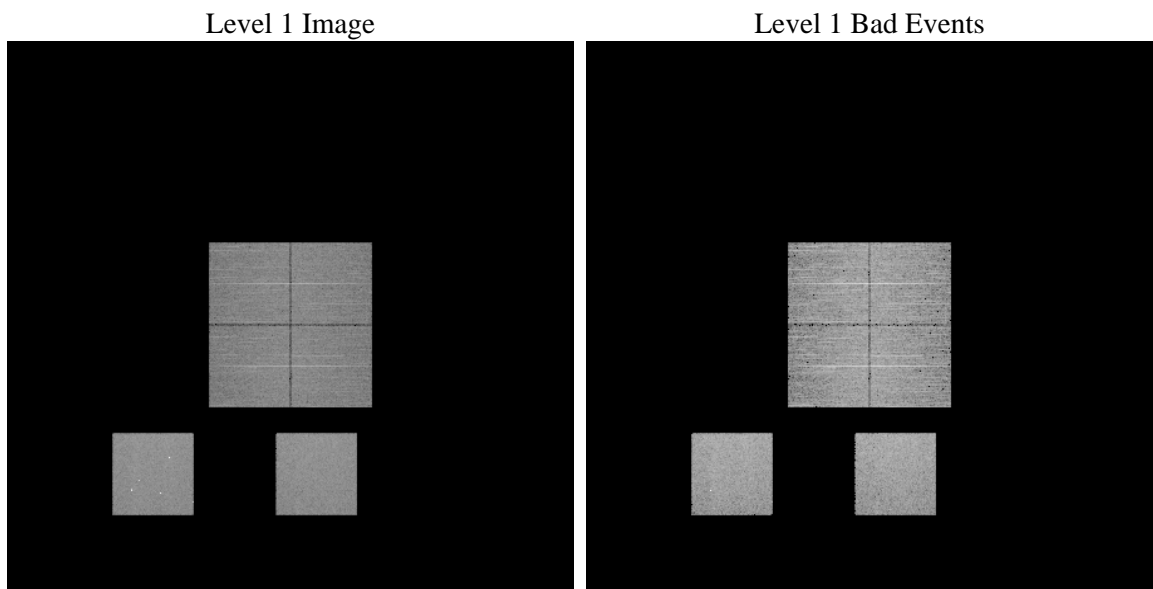
1 Front

seq_num	 	Sequence number
obs_id	54537	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	238.01235263756	Nominal RA [deg]
dec_nom	-20.02527081211	Nominal Dec [deg]
roll_nom	257.57959608874	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8284.7999691963	Sum of GTIs [s]
livetime	8179.8928434787	Livetime [s]
ontime0	8284.7999691963	Sum of GTIs [s]
ontime1	8284.7999691963	Sum of GTIs [s]
ontime2	8284.7999691963	Sum of GTIs [s]
ontime3	8284.7999691963	Sum of GTIs [s]
ontime5	8284.7999691963	Sum of GTIs [s]
ontime7	8284.7999691963	Sum of GTIs [s]
l2events	278819	Number of level 2 events

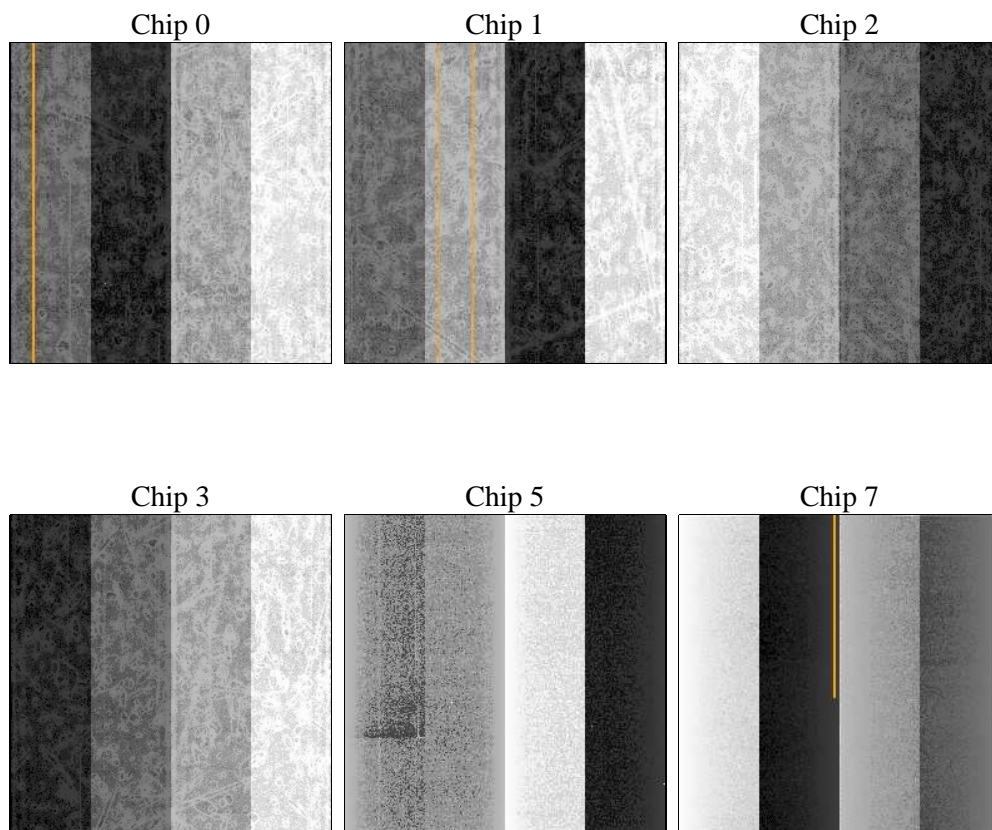
2 OBI

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	8.4.5	Processing system revision	ontime	8284.7999691963	Sum of GTIs [s]
caldsver	4.4.10	 	ontime0	8284.7999691963	Sum of GTIs [s]
date	2012-06-20T03:00:43	Date and time of file creation	ontime1	8284.7999691963	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8284.7999691963	Sum of GTIs [s]
			ontime3	8284.7999691963	Sum of GTIs [s]
			ontime5	8284.7999691963	Sum of GTIs [s]
			ontime7	8284.7999691963	Sum of GTIs [s]
			l1events	596796	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	87079	87171	86966	88121	127444	120015	grade 0 events	20657	19891	21661	21290	10957	10774
rejected events	47750	47870	46819	48429	54818	54395		23%	22%	24%	24%	8%	8%
rejected %	54%	54%	53%	54%	43%	45%	grade 1 events	105	108	102	140	148	126
								0%	0%	0%	0%	0%	0%
							grade 2 events	7117	7807	7057	6995	25337	14071
								8%	8%	8%	7%	19%	11%
							grade 3 events	2813	2675	2792	2733	2900	5813
								3%	3%	3%	3%	2%	4%
							grade 4 events	2652	2687	2771	2791	2658	5818
								3%	3%	3%	3%	2%	4%
							grade 5 events	3195	3164	2989	3386	7049	8436
								3%	3%	3%	3%	5%	7%
							grade 6 events	6104	6258	5882	5895	30794	29169
								7%	7%	6%	6%	24%	24%
							grade 7 events	44436	44581	43712	44891	47601	45808
								51%	51%	50%	50%	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	238.0123526375617	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-20.02527081211016	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	257.5795960887443	[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)	456508428.774075	456508427.74907			
Observation start date	2012-06-19T15:53:49	2012-06-19T15:53:47			
[s] Observation end time (MET)	456519648.424672	456519647.39967			
Observation end date	2012-06-19T19:00:48	2012-06-19T19:00:47			
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)	2012.06.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2847999691963

A.2 Comments