

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 57063 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jun 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

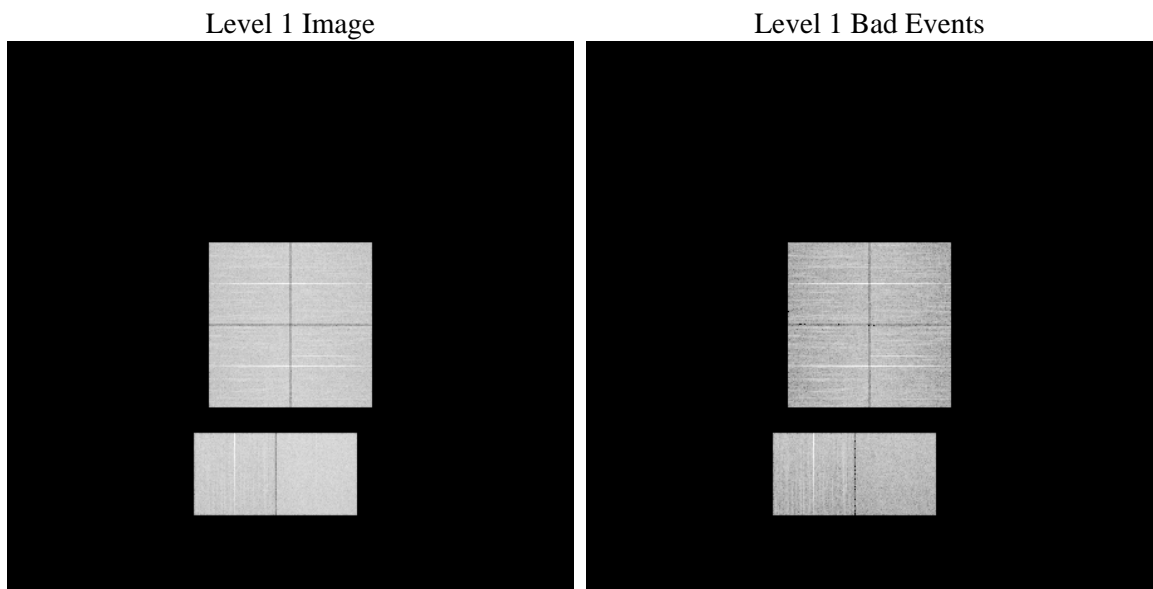
1 Front

seq_num	 	Sequence number
obs_id	57063	Observation id
title	ACIS-012367 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	220.01893991739	Nominal RA [deg]
dec_nom	-30.02355444815	Nominal Dec [deg]
roll_nom	272.07680800273	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8450.7120609879	Sum of GTIs [s]
livetime	8343.7040564638	Livetime [s]
ontime0	8450.6710209846	Sum of GTIs [s]
ontime1	8450.6299809813	Sum of GTIs [s]
ontime2	8450.5889409781	Sum of GTIs [s]
ontime3	8447.5120908022	Sum of GTIs [s]
ontime6	8450.5479009748	Sum of GTIs [s]
ontime7	8450.7120609879	Sum of GTIs [s]
l2events	500808	Number of level 2 events

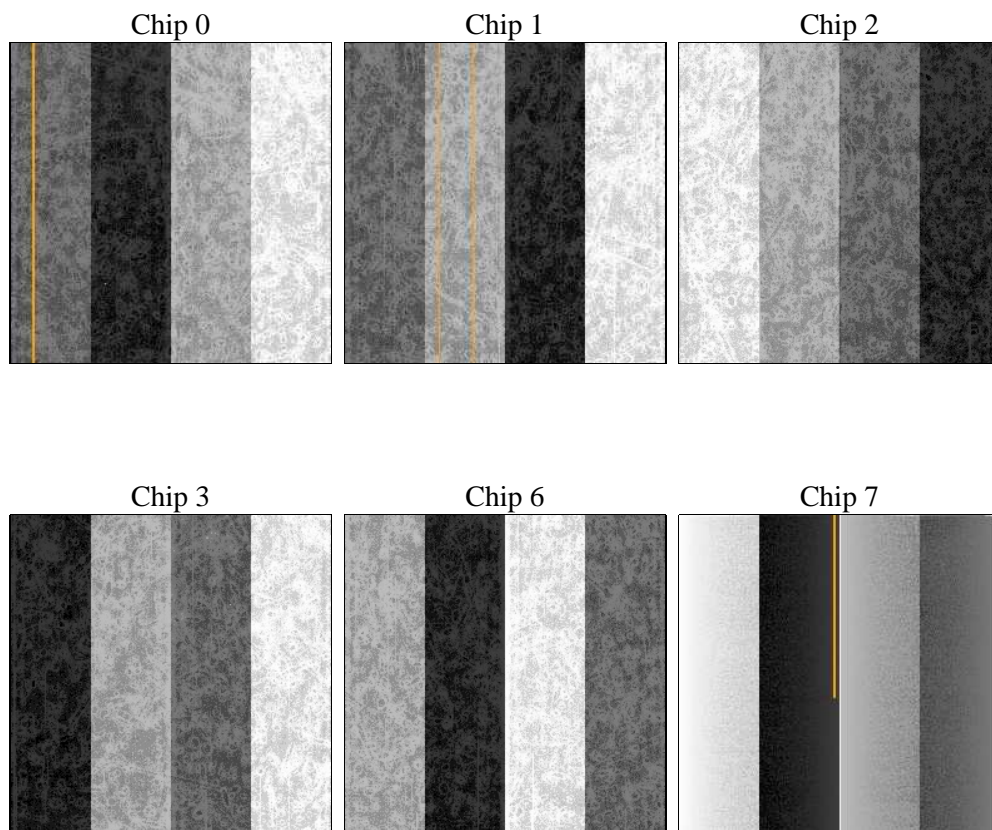
2 OBI

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	8450.7120609879	Sum of GTIs [s]
caldsver	4.4.10	 	ontime0	8450.6710209846	Sum of GTIs [s]
date	2012-06-08T08:58:36	Date and time of file creation	ontime1	8450.6299809813	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8450.5889409781	Sum of GTIs [s]
			ontime3	8447.5120908022	Sum of GTIs [s]
			ontime6	8450.5479009748	Sum of GTIs [s]
			ontime7	8450.7120609879	Sum of GTIs [s]
			l1events	989977	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	156749	155716	159020	161287	163976	193229	grade 0 events	43289	42600	43928	44438	43573	22414
rejected events	75274	73917	78395	79605	80210	73337		27%	27%	27%	27%	26%	11%
rejected %	48%	47%	49%	49%	48%	37%	grade 1 events	310	252	333	348	288	154
								0%	0%	0%	0%	0%	0%
							grade 2 events	14570	15521	13814	14073	15083	26077
								9%	9%	8%	8%	9%	13%
							grade 3 events	5557	5385	5565	5645	5474	10711
								3%	3%	3%	3%	3%	5%
							grade 4 events	5410	5388	5560	5523	5513	10752
								3%	3%	3%	3%	3%	5%
							grade 5 events	4196	4253	3981	4636	4563	11558
								2%	2%	2%	2%	2%	5%
							grade 6 events	12673	12930	11797	12030	14151	49986
								8%	8%	7%	7%	8%	25%
							grade 7 events	70744	69387	74042	74594	75331	61577
								45%	44%	46%	46%	45%	31%

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	220.0189399173927	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-30.02355444815017	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	272.0768080027304	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-0.6828225247311905			
[mm] SIM defocus	0.1037507710433287	0.8505141146731063			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	360557820.788434	360557819.76347			
Observation start date	2009-06-05T02:57:01	2009-06-05T02:56:59			
[s] Observation end time (MET)	360568001.088941	360568000.06398			
Observation end date	2009-06-05T05:46:41	2009-06-05T05:46:40			
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)	2012.06.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4507120609879

A.2 Comments