

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 60544 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Nov 4 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

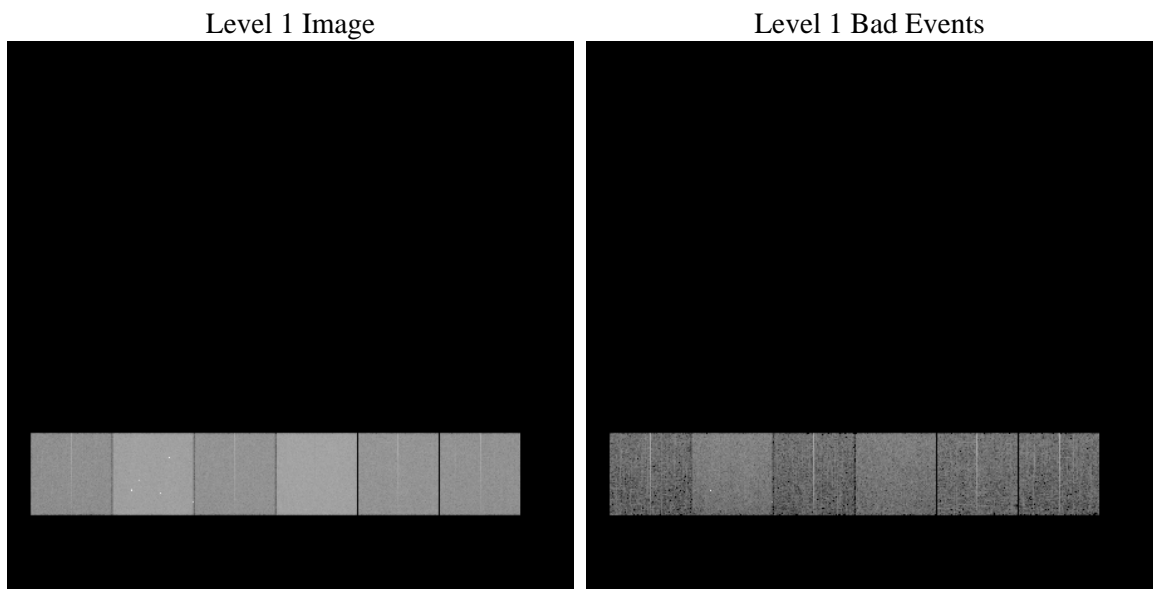
1 Front

seq_num	 	Sequence number
obs_id	60544	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	343.60034189462	Nominal RA [deg]
dec_nom	11.171388781505	Nominal Dec [deg]
roll_nom	237.84499770631	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8434.9540771842	Sum of GTIs [s]
livetime	8328.1456097393	Livetime [s]
ontime4	4289.7426837683	Sum of GTIs [s]
ontime5	8444.6770775914	Sum of GTIs [s]
ontime6	4699.2861629725	Sum of GTIs [s]
ontime7	8434.9540771842	Sum of GTIs [s]
ontime8	4793.3572684824	Sum of GTIs [s]
ontime9	4588.969276756	Sum of GTIs [s]
l2events	1228052	Number of level 2 events

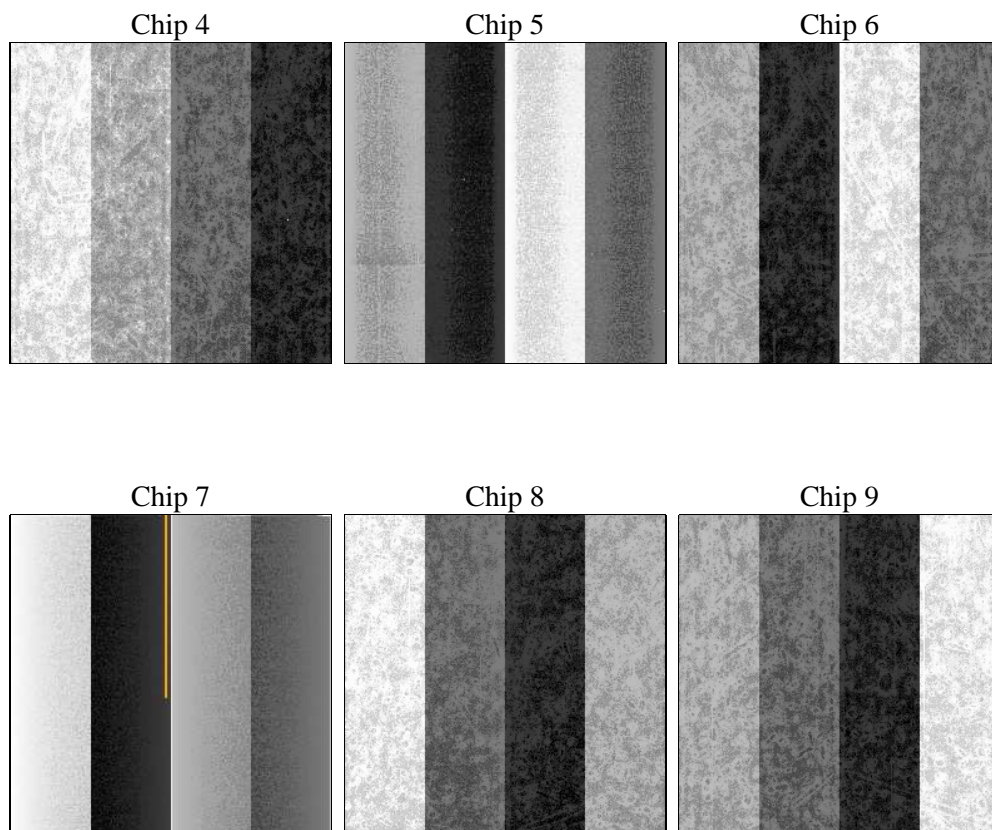
2 OBI

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	8434.9540771842	Sum of GTIs [s]
caldsver	4.5.2	 	ontime4	4289.7426837683	Sum of GTIs [s]
date	2012-11-04T15:26:18	Date and time of file creation	ontime5	8444.6770775914	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	4699.2861629725	Sum of GTIs [s]
			ontime7	8434.9540771842	Sum of GTIs [s]
			ontime8	4793.3572684824	Sum of GTIs [s]
			ontime9	4588.969276756	Sum of GTIs [s]
			l1events	1533639	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	183323	347014	210448	370928	221307	200619	grade 0 events	87847	66923	97331	80066	100709	92444
rejected events	32601	57572	32292	46965	37549	33281		47%	19%	46%	21%	45%	46%
rejected %	17%	16%	15%	12%	16%	16%	grade 1 events	605	334	497	228	479	506
								0%	0%	0%	0%	0%	0%
							grade 2 events	23938	104930	30617	71289	32103	28662
								13%	30%	14%	19%	14%	14%
							grade 3 events	9979	17180	10886	32676	12052	10751
								5%	4%	5%	8%	5%	5%
							grade 4 events	9826	16917	11020	32223	11996	10656
								5%	4%	5%	8%	5%	5%
							grade 5 events	2028	9813	2379	8788	2749	2354
								1%	2%	1%	2%	1%	1%
							grade 6 events	19144	83492	28302	108388	27143	24893
								10%	24%	13%	29%	12%	12%
							grade 7 events	29956	47425	29416	37270	34076	30353
								16%	13%	13%	10%	15%	15%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	343.6003418946196
[deg] Pointing Dec	0	11.17138878150472
[deg] Pointing Roll	0.0	237.8449977063103
[mm] SIM focus pos	-0.684267	-1.038866356238299
[mm] SIM defocus	0	0.4944702831659975
[mm] SIM translation stage pos	-190.132523	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	180744270.965203	180744269.94048
Observation start date	2003-09-23T22:44:31	2003-09-23T22:44:29
[s] Observation end time (MET)	180767780.366212	180767779.34149
Observation end date	2003-09-24T05:16:20	2003-09-24T05:16:19
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.2

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.12.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4349540771842

A.2 Comments