

V&V Reference Report

L2 ASCDS Version : 10

Observation 53510 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Aug 1 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

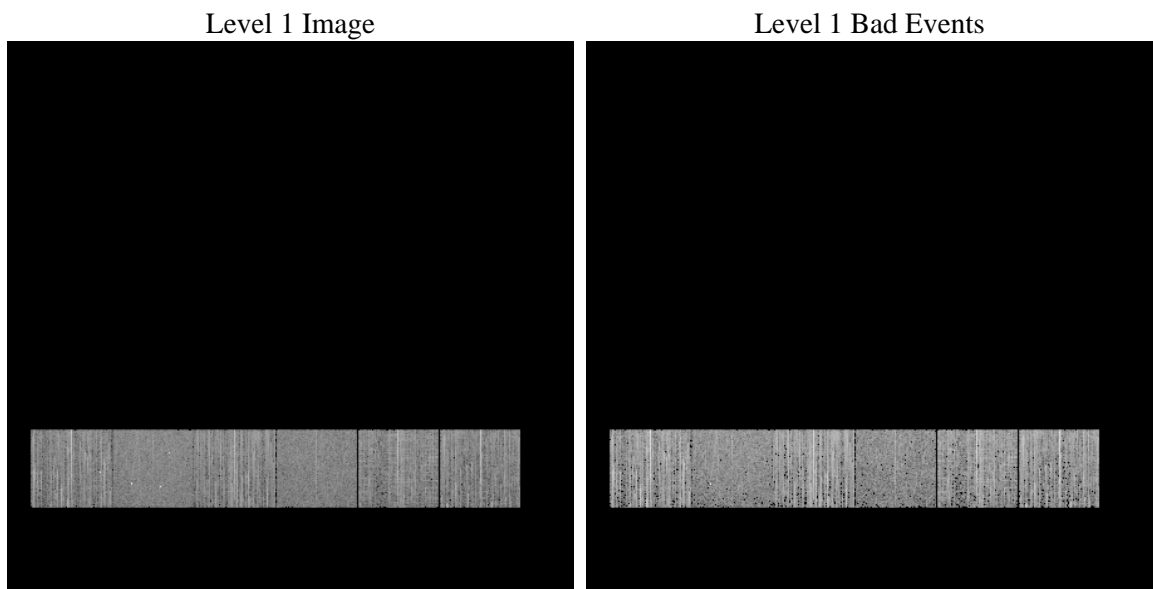
1 Front

seq_num	 	Sequence number
obs_id	53510	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	30.464635426918	Nominal RA [deg]
dec_nom	-44.112595357552	Nominal Dec [deg]
roll_nom	96.193571021975	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3283.0025411844	Sum of GTIs [s]
livetime	3241.4311862211	Livetime [s]
ontime4	3282.8794211745	Sum of GTIs [s]
ontime5	3282.9615011811	Sum of GTIs [s]
ontime6	3282.9204611778	Sum of GTIs [s]
ontime7	3283.0025411844	Sum of GTIs [s]
ontime8	3282.8383811712	Sum of GTIs [s]
ontime9	3283.0435811877	Sum of GTIs [s]
l2events	91024	Number of level 2 events

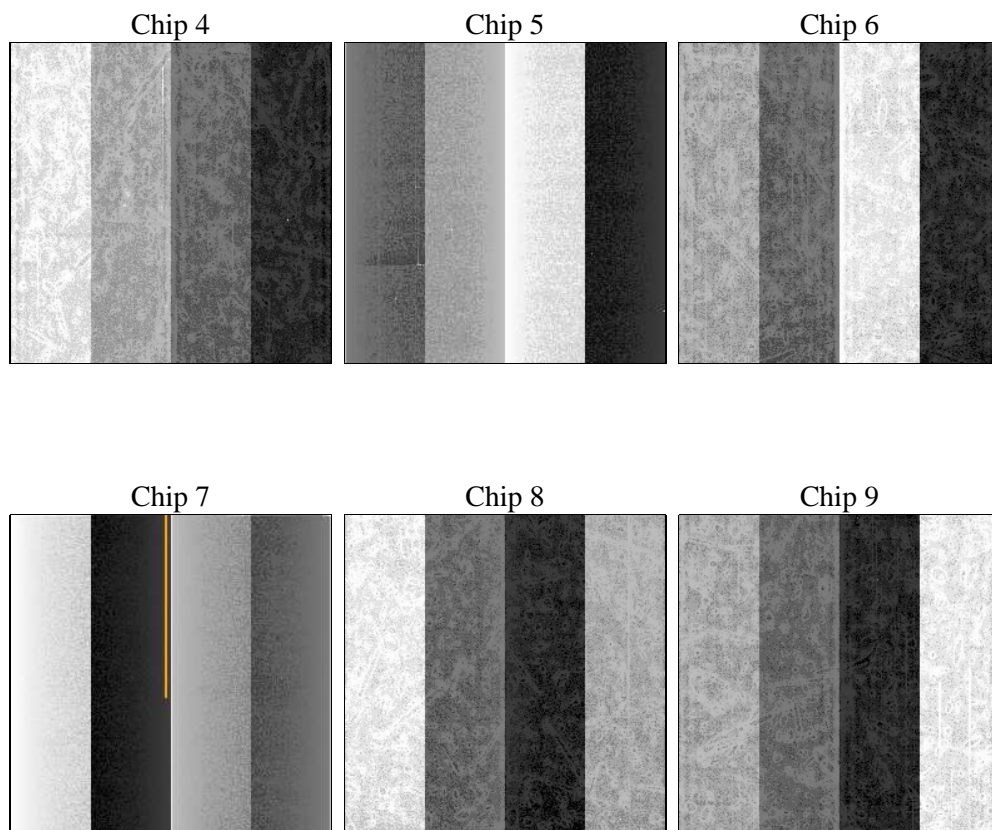
2 OBI

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	10	Processing system revision	ontime	3283.0025411844	Sum of GTIs [s]
caldbver	4.5.7	 	ontime4	3282.8794211745	Sum of GTIs [s]
date	2013-08-01T12:51:13	Date and time of file creation	ontime5	3282.9615011811	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	3282.9204611778	Sum of GTIs [s]
			ontime7	3283.0025411844	Sum of GTIs [s]
			ontime8	3282.8383811712	Sum of GTIs [s]
			ontime9	3283.0435811877	Sum of GTIs [s]
			l1events	344422	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	61753	53670	64361	48590	58989	57059	grade 0 events	7596	3347	6397	3234	7394	6303
rejected events	48242	29059	51474	26116	42507	44640		12%	6%	9%	6%	12%	11%
rejected %	78%	54%	79%	53%	72%	78%	grade 1 events	63	57	19	52	35	31
								0%	0%	0%	0%	0%	0%
							grade 2 events	2389	9139	2571	5548	3265	2369
								3%	17%	3%	11%	5%	4%
							grade 3 events	928	837	846	1879	1390	855
								1%	1%	1%	3%	2%	1%
							grade 4 events	848	874	824	1887	1339	855
								1%	1%	1%	3%	2%	1%
							grade 5 events	1229	2426	1187	2966	1598	1359
								1%	4%	1%	6%	2%	2%
							grade 6 events	1750	10414	2249	9926	3094	2037
								2%	19%	3%	20%	5%	3%
							grade 7 events	46950	26576	50268	23098	40874	43250
								76%	49%	78%	47%	69%	75%

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	30.46463542691845	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-44.11259535755205	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	96.19357102197525	[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)	491700075.470755	491700074.44575			
Observation start date	2013-07-31T23:21:15	2013-07-31T23:21:14			
[s] Observation end time (MET)	491708220.121198	491708219.0962			
Observation end date	2013-08-01T01:37:00	2013-08-01T01:36:59			
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)	2013.08.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2830025411844

A.2 Comments