

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 52576 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Aug 6 2014

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

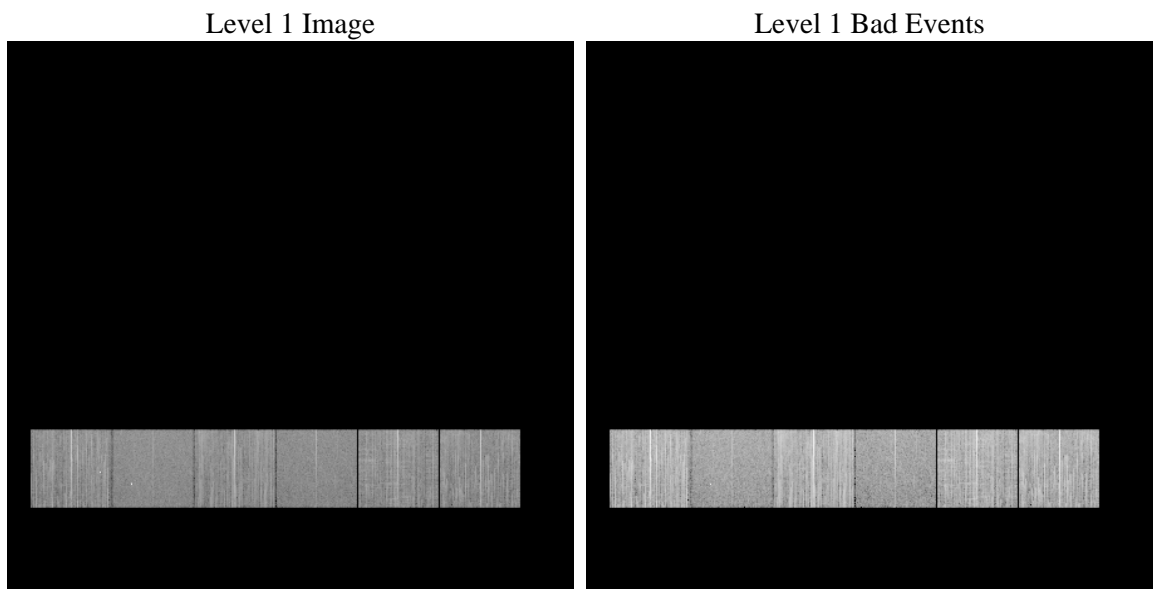
1 Front

seq_num	 	Sequence number
obs_id	52576	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	343.00860114287	Nominal RA [deg]
dec_nom	-18.829721444334	Nominal Dec [deg]
roll_nom	89.650276042033	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8460.7999685407	Sum of GTIs [s]
livetime	8353.6642248569	Livetime [s]
ontime4	8460.7999685407	Sum of GTIs [s]
ontime5	8460.7999685407	Sum of GTIs [s]
ontime6	8460.7999685407	Sum of GTIs [s]
ontime7	8460.7999685407	Sum of GTIs [s]
ontime8	8460.7999685407	Sum of GTIs [s]
ontime9	8460.7999685407	Sum of GTIs [s]
l2events	204345	Number of level 2 events

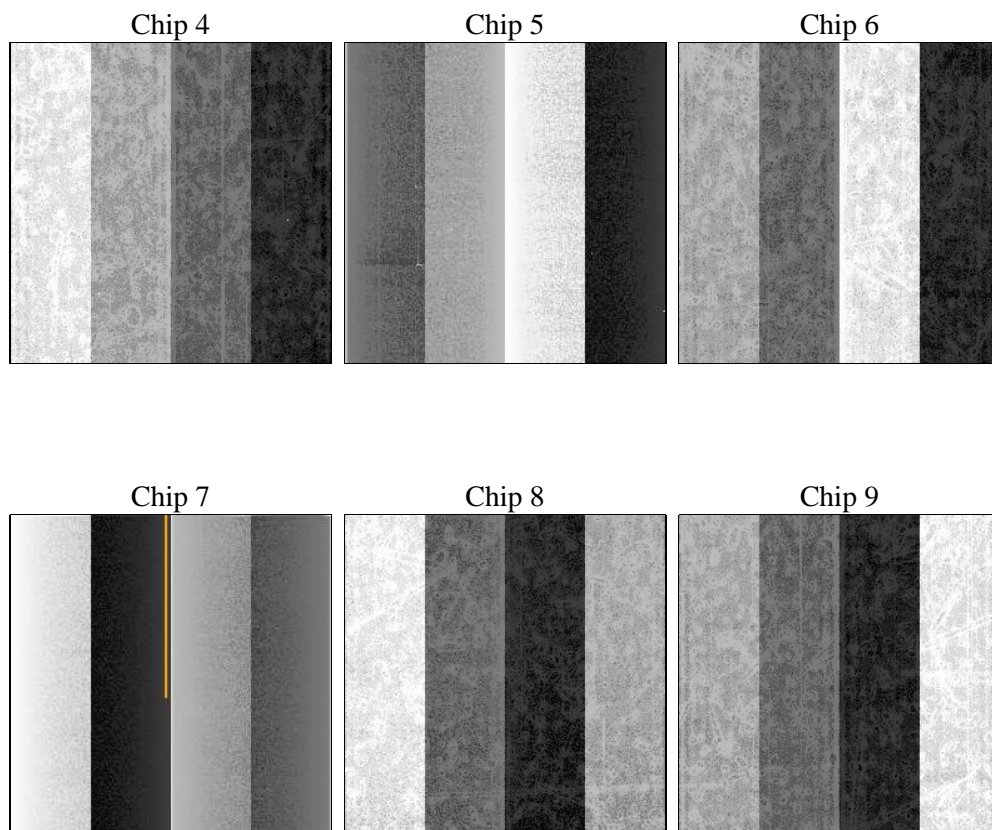
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	10.2.4	Processing system revision	ontime	8460.7999685407	Sum of GTIs [s]
caldsver	4.6.2	 	ontime4	8460.7999685407	Sum of GTIs [s]
date	2014-08-06T17:38:17	Date and time of file creation	ontime5	8460.7999685407	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8460.7999685407	Sum of GTIs [s]
			ontime7	8460.7999685407	Sum of GTIs [s]
			ontime8	8460.7999685407	Sum of GTIs [s]
			ontime9	8460.7999685407	Sum of GTIs [s]
			l1events	867391	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	155700	129379	156959	121047	155810	148496	grade 0 events	15357	4807	13106	6981	15930	12973
rejected events	127826	72487	129910	68237	119277	122019		9%	3%	8%	5%	10%	8%
rejected %	82%	56%	82%	56%	76%	82%	grade 1 events	124	120	83	78	104	67
								0%	0%	0%	0%	0%	0%
							grade 2 events	5172	21831	5569	12927	7664	5221
								3%	16%	3%	10%	4%	3%
							grade 3 events	1894	1913	1850	4254	2860	1918
								1%	1%	1%	3%	1%	1%
							grade 4 events	1973	1914	1785	4185	2883	1911
								1%	1%	1%	3%	1%	1%
							grade 5 events	3102	6171	3220	7526	4259	3574
								1%	4%	2%	6%	2%	2%
							grade 6 events	3478	26427	4739	24463	7196	4454
								2%	20%	3%	20%	4%	2%
							grade 7 events	124600	66196	126607	60633	114914	118378
								80%	51%	80%	50%	73%	79%

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	343.0086011428743	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-18.82972144433385	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	89.6502760420329	[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)	523692842.579776	523692841.55478			
Observation start date	2014-08-06T06:14:03	2014-08-06T06:14:01			
[s] Observation end time (MET)	523704644.430431	523704643.40543			
Observation end date	2014-08-06T09:30:44	2014-08-06T09:30:43			
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)	2014.08.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4607999685407

A.2 Comments