

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 52488 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Sep 7 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

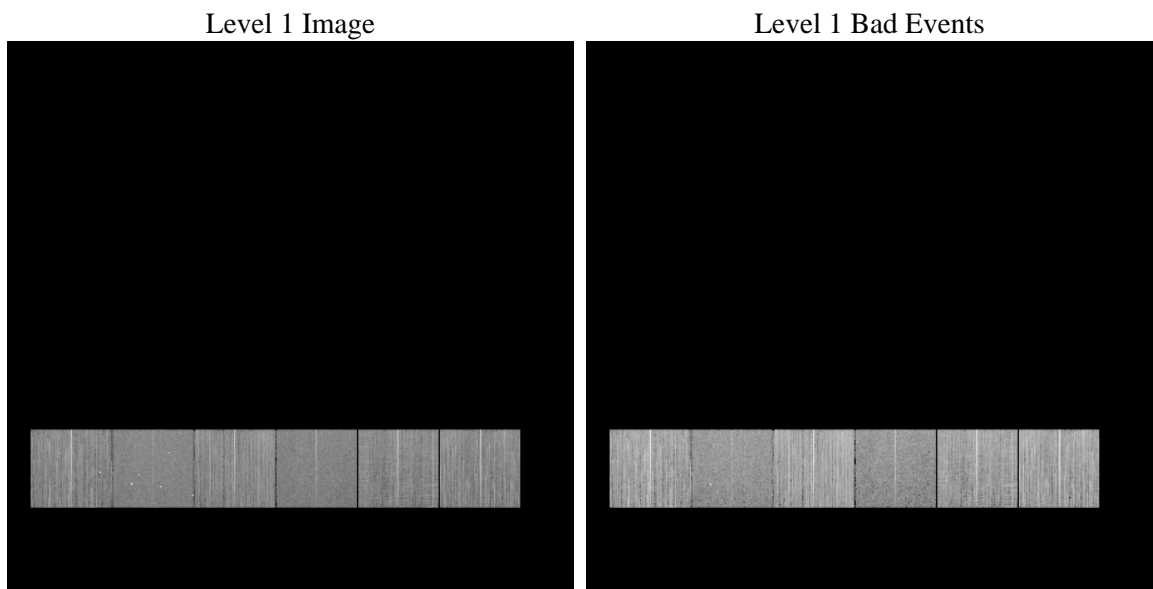
1 Front

seq_num	 	Sequence number
obs_id	52488	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	343.55640454933	Nominal RA [deg]
dec_nom	19.78639499277	Nominal Dec [deg]
roll_nom	184.12474733402	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8457.5999685526	Sum of GTIs [s]
livetime	8350.5047451955	Livetime [s]
ontime4	8457.5999685526	Sum of GTIs [s]
ontime5	8457.5999685526	Sum of GTIs [s]
ontime6	8457.5999685526	Sum of GTIs [s]
ontime7	8457.5999685526	Sum of GTIs [s]
ontime8	8457.5999685526	Sum of GTIs [s]
ontime9	8457.5999685526	Sum of GTIs [s]
l2events	206387	Number of level 2 events

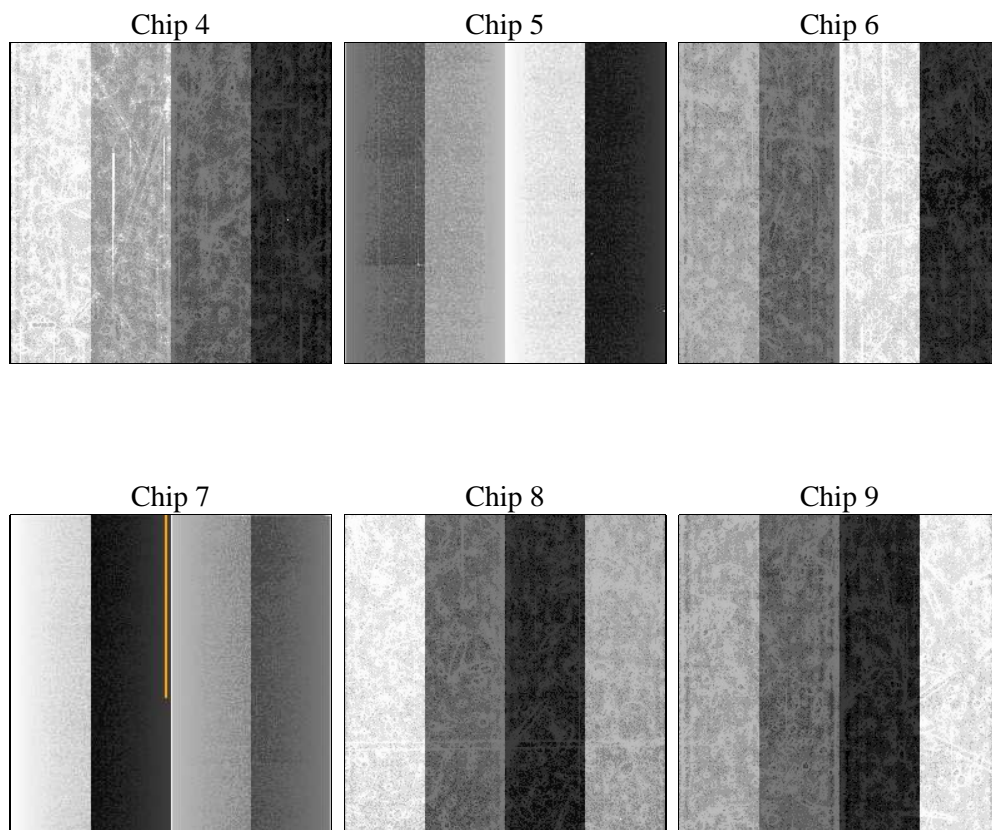
2 OBI

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	8457.5999685526	Sum of GTIs [s]
caldsver	4.6.3	 	ontime4	8457.5999685526	Sum of GTIs [s]
date	2014-09-07T15:01:29	Date and time of file creation	ontime5	8457.5999685526	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8457.5999685526	Sum of GTIs [s]
			ontime7	8457.5999685526	Sum of GTIs [s]
			ontime8	8457.5999685526	Sum of GTIs [s]
			ontime9	8457.5999685526	Sum of GTIs [s]
			l1events	905254	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	157914	137374	170895	122231	154070	162770	grade 0 events	16268	7475	13317	6929	16836	13002
rejected events	129102	76137	143462	69133	115572	136077		10%	5%	7%	5%	10%	7%
rejected %	81%	55%	83%	56%	75%	83%	grade 1 events	130	220	71	78	102	66
								0%	0%	0%	0%	0%	0%
							grade 2 events	5112	22481	5748	13043	7916	5531
								3%	16%	3%	10%	5%	3%
							grade 3 events	1905	2027	1831	4230	3225	1846
								1%	1%	1%	3%	2%	1%
							grade 4 events	1917	2055	1754	4278	3100	1819
								1%	1%	1%	3%	2%	1%
							grade 5 events	3175	6349	3083	7508	4176	3554
								2%	4%	1%	6%	2%	2%
							grade 6 events	3610	27199	4783	24618	7421	4495
								2%	19%	2%	20%	4%	2%
							grade 7 events	125797	69568	140308	61547	111294	132457
								79%	50%	82%	50%	72%	81%

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	343.5564045493255	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	19.78639499277006	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	184.1247473340245	[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)	526435269.181914	526435268.15691			
Observation start date	2014-09-07T00:01:09	2014-09-07T00:01:08			
[s] Observation end time (MET)	526447804.93261	526447803.90761			
Observation end date	2014-09-07T03:30:05	2014-09-07T03:30:03			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2014.09.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4575999685526

A.2 Comments