

V&V Reference Report

L2 ASCDS Version : 10

Observation 53430 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Sep 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

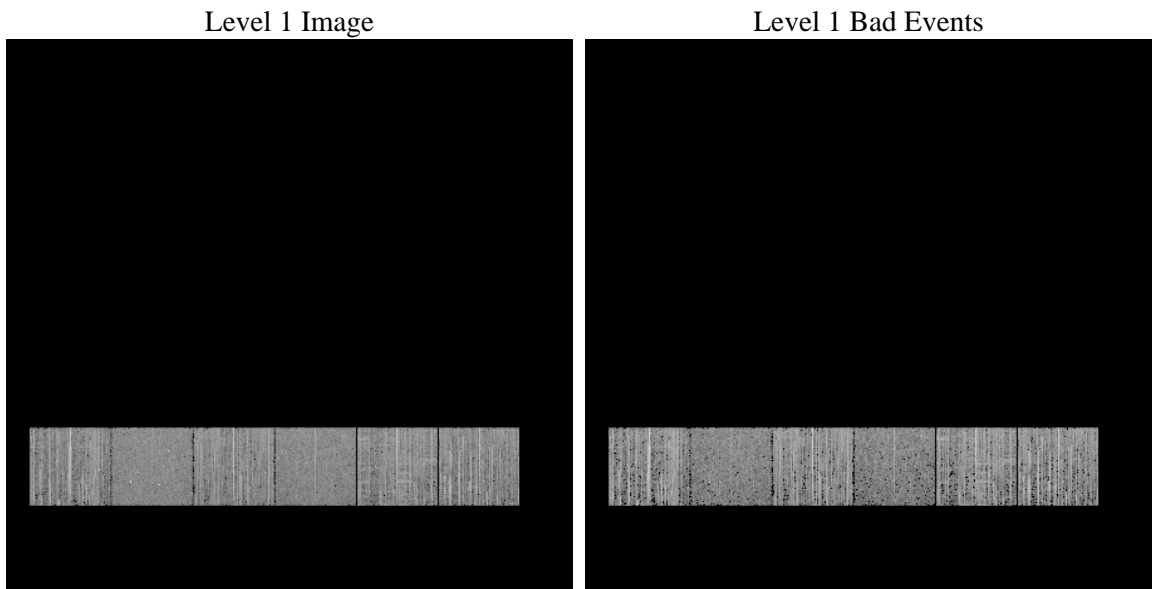
1 Front

seq_num	 	Sequence number
obs_id	53430	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	335.97898905217	Nominal RA [deg]
dec_nom	15.479744998297	Nominal Dec [deg]
roll_nom	191.98746973889	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3215.7225400805	Sum of GTIs [s]
livetime	3175.0031250024	Livetime [s]
ontime4	3108.6460139751	Sum of GTIs [s]
ontime5	3215.6815000772	Sum of GTIs [s]
ontime6	3102.2049446106	Sum of GTIs [s]
ontime7	3215.7225400805	Sum of GTIs [s]
ontime8	3118.3272488117	Sum of GTIs [s]
ontime9	3118.5332942009	Sum of GTIs [s]
l2events	85554	Number of level 2 events

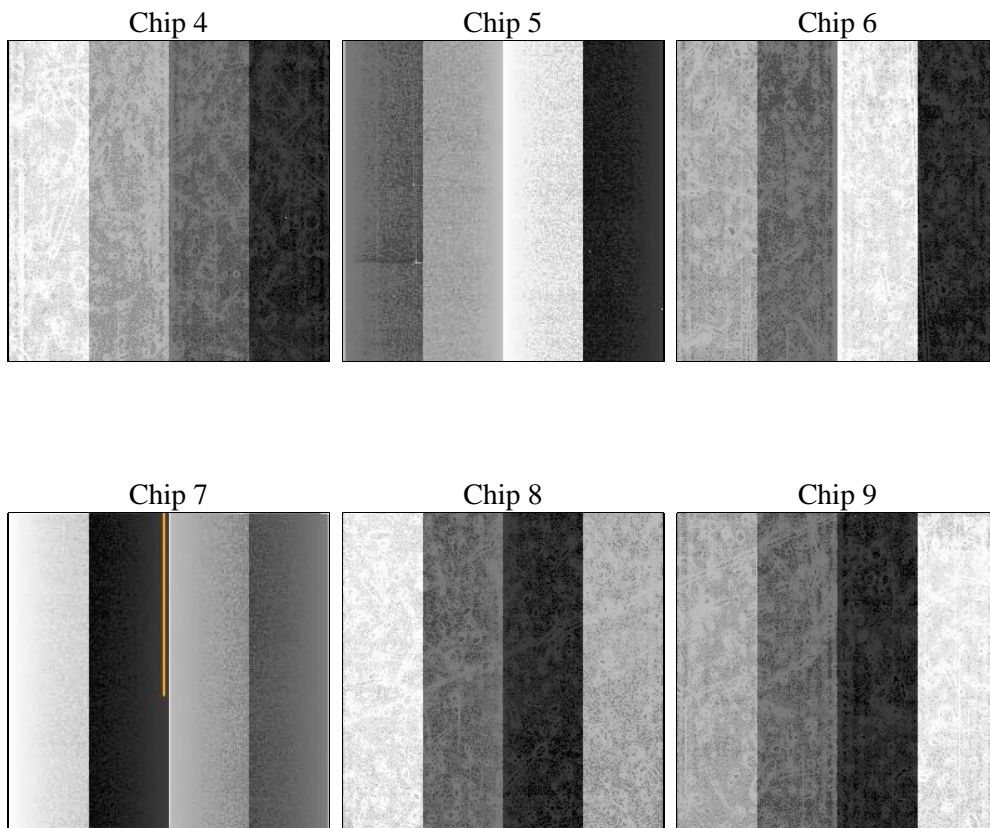
2 OBI

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	Processing system revision	ontime	3215.7225400805	Sum of GTIs [s]
caldsver	4.5.8	 	ontime4	3108.6460139751	Sum of GTIs [s]
date	2013-09-02T02:11:49	Date and time of file creation	ontime5	3215.6815000772	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	3102.2049446106	Sum of GTIs [s]
			ontime7	3215.7225400805	Sum of GTIs [s]
			ontime8	3118.3272488117	Sum of GTIs [s]
			ontime9	3118.5332942009	Sum of GTIs [s]
			l1events	334983	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	58995	51953	57545	48082	59716	58692	grade 0 events	7202	3557	6317	3342	7255	6015
rejected events	46581	28199	45418	26533	44359	46977		12%	6%	10%	6%	12%	10%
rejected %	78%	54%	78%	55%	74%	80%	grade 1 events	51	81	21	30	41	35
								0%	0%	0%	0%	0%	0%
							grade 2 events	2251	8636	2446	5389	3165	2309
								3%	16%	4%	11%	5%	3%
							grade 3 events	867	914	751	1774	1239	836
								1%	1%	1%	3%	2%	1%
							grade 4 events	761	841	799	1776	1194	838
								1%	1%	1%	3%	1%	1%
							grade 5 events	1150	2469	1092	2934	1526	1285
								1%	4%	1%	6%	2%	2%
							grade 6 events	1635	10278	2070	9681	2934	1967
								2%	19%	3%	20%	4%	3%
							grade 7 events	45078	25177	44049	23156	42362	45407
								76%	48%	76%	48%	70%	77%

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	335.9789890521735	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	15.47974499829679	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	191.9874697388876	[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)	494446114.17046	494446113.14546			
Observation start date	2013-09-01T18:08:34	2013-09-01T18:08:33			
[s] Observation end time (MET)	494451253.520741	494451252.49574			
Observation end date	2013-09-01T19:34:14	2013-09-01T19:34:12			
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)	2013.09.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2157225400805

A.2 Comments