

V&V Reference Report

L2 ASCDS Version : 10

Observation 53648 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jun 9 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

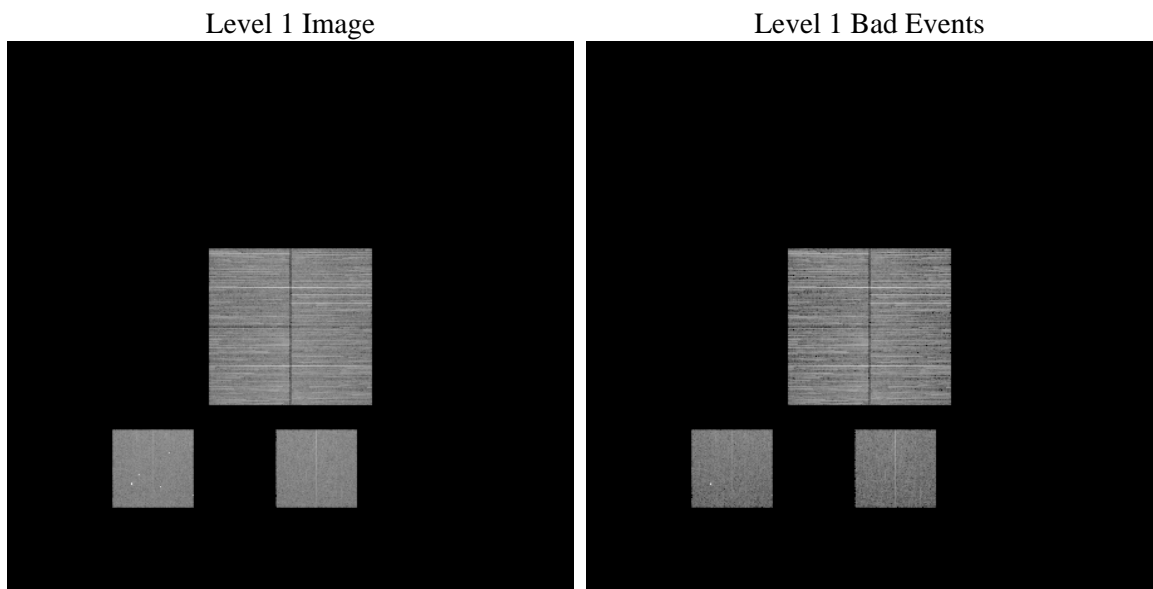
1 Front

seq_num	 	Sequence number
obs_id	53648	Observation id
title	ACIS-012357 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	82.656377781443	Nominal RA [deg]
dec_nom	-38.827689097392	Nominal Dec [deg]
roll_nom	186.1581763932	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8287.0157022476	Sum of GTIs [s]
livetime	8182.080519584	Livetime [s]
ontime0	8286.9746622443	Sum of GTIs [s]
ontime1	8286.933622241	Sum of GTIs [s]
ontime2	8286.8925822377	Sum of GTIs [s]
ontime3	8287.0567422509	Sum of GTIs [s]
ontime5	8286.8515422344	Sum of GTIs [s]
ontime7	8287.0157022476	Sum of GTIs [s]
l2events	231057	Number of level 2 events

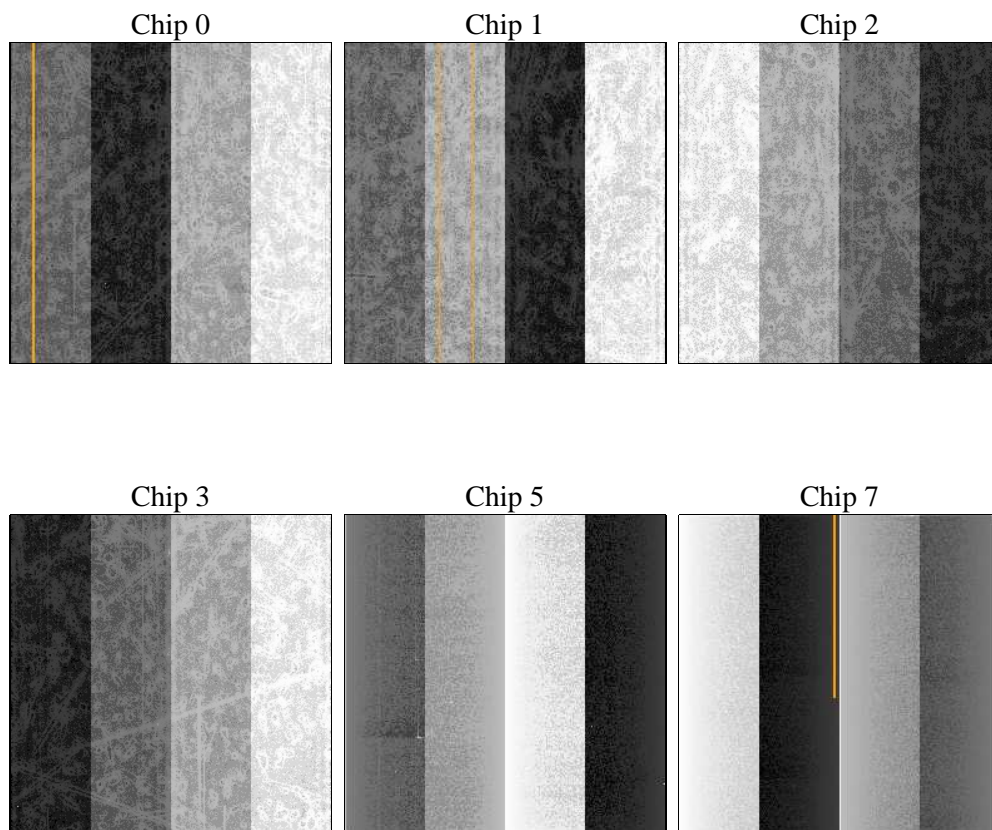
2 OBI

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	8287.0157022476	Sum of GTIs [s]
caldsver	4.5.6	 	ontime0	8286.9746622443	Sum of GTIs [s]
date	2013-06-09T05:32:24	Date and time of file creation	ontime1	8286.933622241	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8286.8925822377	Sum of GTIs [s]
			ontime3	8287.0567422509	Sum of GTIs [s]
			ontime5	8286.8515422344	Sum of GTIs [s]
			ontime7	8287.0157022476	Sum of GTIs [s]
			l1events	810563	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	137220	142712	144797	138048	128451	119335	grade 0 events	16133	15935	16899	16545	7801	8242
rejected events	105601	110788	112659	106131	67649	62875		11%	11%	11%	11%	6%	6%
rejected %	76%	77%	77%	76%	52%	52%	grade 1 events	72	68	111	76	156	92
								0%	0%	0%	0%	0%	0%
							grade 2 events	6299	6543	6075	6159	22236	13826
								4%	4%	4%	4%	17%	11%
							grade 3 events	2163	2207	2255	2155	2321	4585
								1%	1%	1%	1%	1%	3%
							grade 4 events	2092	2179	2128	2197	2149	4772
								1%	1%	1%	1%	1%	3%
							grade 5 events	2728	2714	2510	2997	6104	7076
								1%	1%	1%	2%	4%	5%
							grade 6 events	4932	5060	4781	4861	26295	25035
								3%	3%	3%	3%	20%	20%
							grade 7 events	102801	108006	110038	103058	61389	55707
								74%	75%	75%	74%	47%	46%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012357	ACIS-012357	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	82.65637778144324	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-38.8276890973919	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	186.1581763932016	[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)	487101306.120674	487101305.09567			
Observation start date	2013-06-08T17:55:06	2013-06-08T17:55:05			
[s] Observation end time (MET)	487113005.471309	487113004.44631			
Observation end date	2013-06-08T21:10:05	2013-06-08T21:10:04			
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)	2013.06.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2870157022476

A.2 Comments