

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 54121 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Dec 3 2012

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

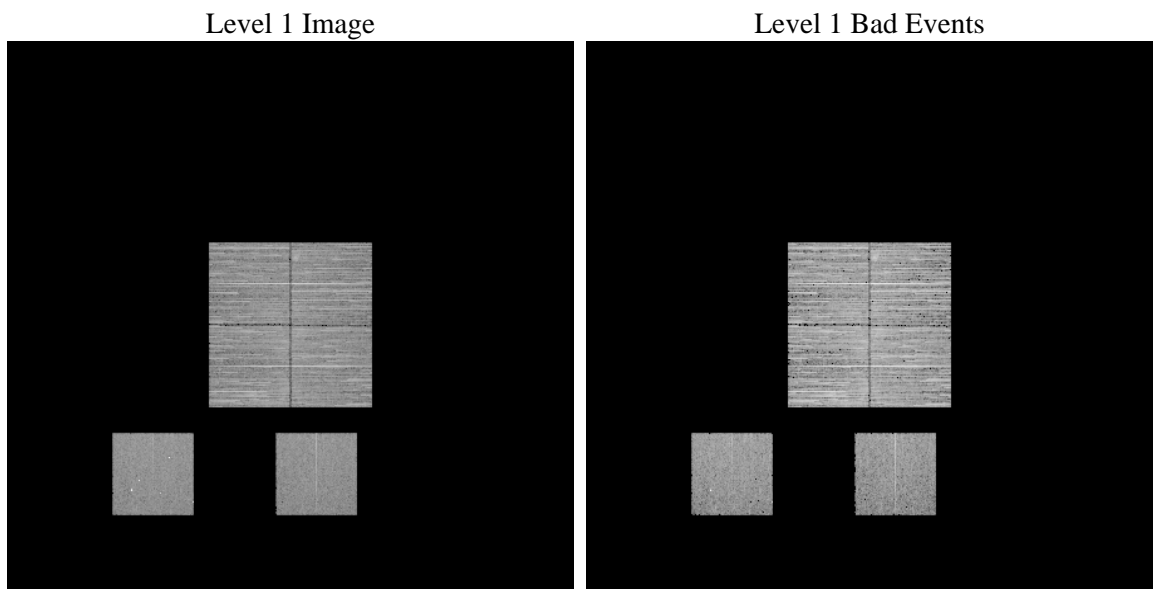
1 Front

seq_num	 	Sequence number
obs_id	54121	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	95.988489581807	Nominal RA [deg]
dec_nom	19.526576506757	Nominal Dec [deg]
roll_nom	79.282974413566	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5084.8055324554	Sum of GTIs [s]
livetime	5020.4186631012	Livetime [s]
ontime0	5084.8465724587	Sum of GTIs [s]
ontime1	5087.9999811053	Sum of GTIs [s]
ontime2	5087.9999811053	Sum of GTIs [s]
ontime3	5084.7644924521	Sum of GTIs [s]
ontime5	5087.9999811053	Sum of GTIs [s]
ontime7	5084.8055324554	Sum of GTIs [s]
l2events	157097	Number of level 2 events

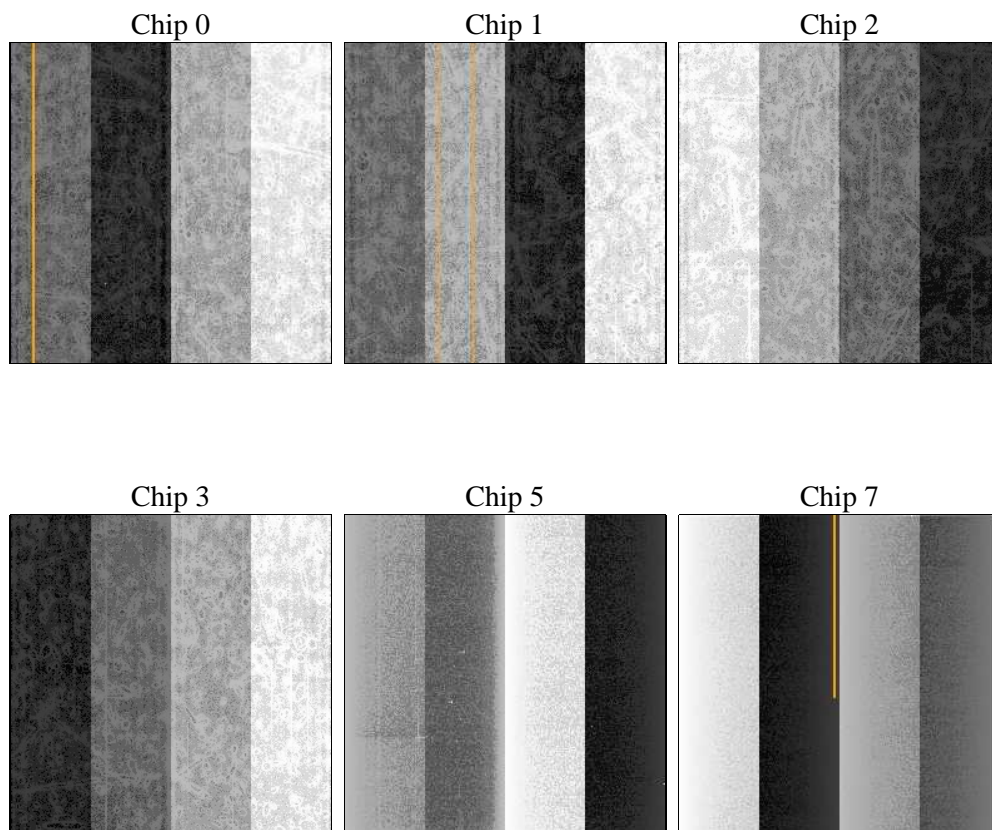
2 OBI

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	8.4.5	Processing system revision	ontime	5084.8055324554	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	5084.8465724587	Sum of GTIs [s]
date	2012-12-03T20:36:44	Date and time of file creation	ontime1	5087.9999811053	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	5087.9999811053	Sum of GTIs [s]
			ontime3	5084.7644924521	Sum of GTIs [s]
			ontime5	5087.9999811053	Sum of GTIs [s]
			ontime7	5084.8055324554	Sum of GTIs [s]
			l1events	554359	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	94008	94145	102669	97464	86739	79334	grade 0 events	11160	10936	11501	11479	6427	5846
rejected events	72312	72097	80748	75587	44520	41243		11%	11%	11%	11%	7%	7%
rejected %	76%	76%	78%	77%	51%	51%	grade 1 events	59	60	59	70	270	48
								0%	0%	0%	0%	0%	0%
							grade 2 events	4217	4454	4171	4044	15390	9455
								4%	4%	4%	4%	17%	11%
							grade 3 events	1483	1544	1489	1480	1529	3175
								1%	1%	1%	1%	1%	4%
							grade 4 events	1455	1482	1496	1508	1518	3127
								1%	1%	1%	1%	1%	3%
							grade 5 events	1749	1851	1696	1988	3807	4624
								1%	1%	1%	2%	4%	5%
							grade 6 events	3381	3632	3264	3366	17355	16488
								3%	3%	3%	3%	20%	20%
							grade 7 events	70504	70186	78993	73529	40443	36571
								74%	74%	76%	75%	46%	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	95.98848958180713	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	19.52657650675721	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	79.28297441356642	[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)	470906094.095241	470906093.07024			
Observation start date	2012-12-03T07:14:54	2012-12-03T07:14:53			
[s] Observation end time (MET)	470913070.245616	470913069.22062			
Observation end date	2012-12-03T09:11:10	2012-12-03T09:11:09			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.12.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.0848055324554

A.2 Comments