

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 60679 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Oct 30 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

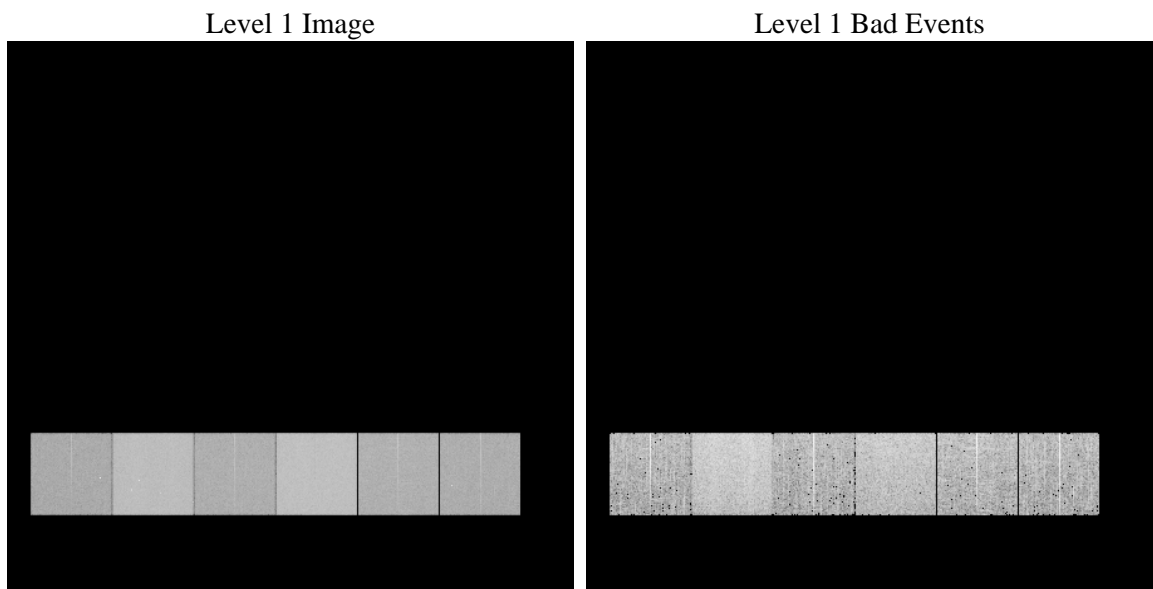
1 Front

seq_num	 	Sequence number
obs_id	60679	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	294.96240654787	Nominal RA [deg]
dec_nom	41.993777874547	Nominal Dec [deg]
roll_nom	159.69294123884	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8457.599968493	Sum of GTIs [s]
livetime	8350.5047451366	Livetime [s]
ontime4	4079.0410201252	Sum of GTIs [s]
ontime5	8457.599968493	Sum of GTIs [s]
ontime6	4568.4319431484	Sum of GTIs [s]
ontime7	8457.599968493	Sum of GTIs [s]
ontime8	4743.4462283552	Sum of GTIs [s]
ontime9	4432.2053836584	Sum of GTIs [s]
l2events	1260306	Number of level 2 events

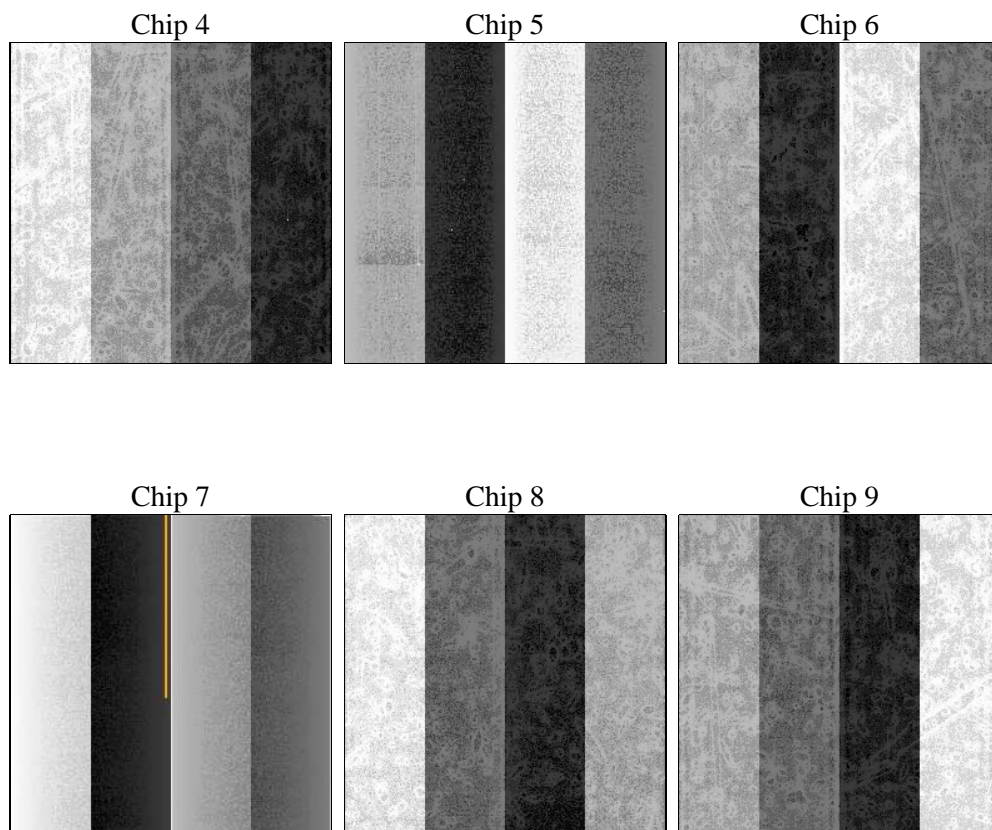
2 OBI

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	8.4.5	Processing system revision	ontime	8457.599968493	Sum of GTIs [s]
caldsver	4.5.2	 	ontime4	4079.0410201252	Sum of GTIs [s]
date	2012-10-31T00:59:34	Date and time of file creation	ontime5	8457.599968493	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	4568.4319431484	Sum of GTIs [s]
			ontime7	8457.599968493	Sum of GTIs [s]
			ontime8	4743.4462283552	Sum of GTIs [s]
			ontime9	4432.2053836584	Sum of GTIs [s]
			l1events	1539064	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	179545	345492	210266	379550	223878	200333	grade 0 events	89539	58242	99150	83629	106024	94714
rejected events	28564	53383	29633	41832	32864	30022		49%	16%	47%	22%	47%	47%
rejected %	15%	15%	14%	11%	14%	14%	grade 1 events	600	211	415	212	517	485
								0%	0%	0%	0%	0%	0%
							grade 2 events	22481	115169	30995	74485	32901	28560
								12%	33%	14%	19%	14%	14%
							grade 3 events	9884	15647	10994	33891	12178	10840
								5%	4%	5%	8%	5%	5%
							grade 4 events	9977	15239	11021	33602	12014	10920
								5%	4%	5%	8%	5%	5%
							grade 5 events	1770	8696	2150	7849	2408	2121
								0%	2%	1%	2%	1%	1%
							grade 6 events	19100	87921	28473	112239	27897	25277
								10%	25%	13%	29%	12%	12%
							grade 7 events	26194	44367	27068	33643	29939	27416
								14%	12%	12%	8%	13%	13%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	294.9624065478703
[deg] Pointing Dec	0	41.99377787454684
[deg] Pointing Roll	0.0	159.6929412388449
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.8505141146731063
[mm] SIM translation stage pos	-190.132523	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	172975361.033326	172975360.00861
Observation start date	2003-06-26T00:42:41	2003-06-26T00:42:40
[s] Observation end time (MET)	172997779.834279	172997778.80957
Observation end date	2003-06-26T06:56:20	2003-06-26T06:56:18
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.2

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.12.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.457599968493

A.2 Comments