

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 59526 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 26 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

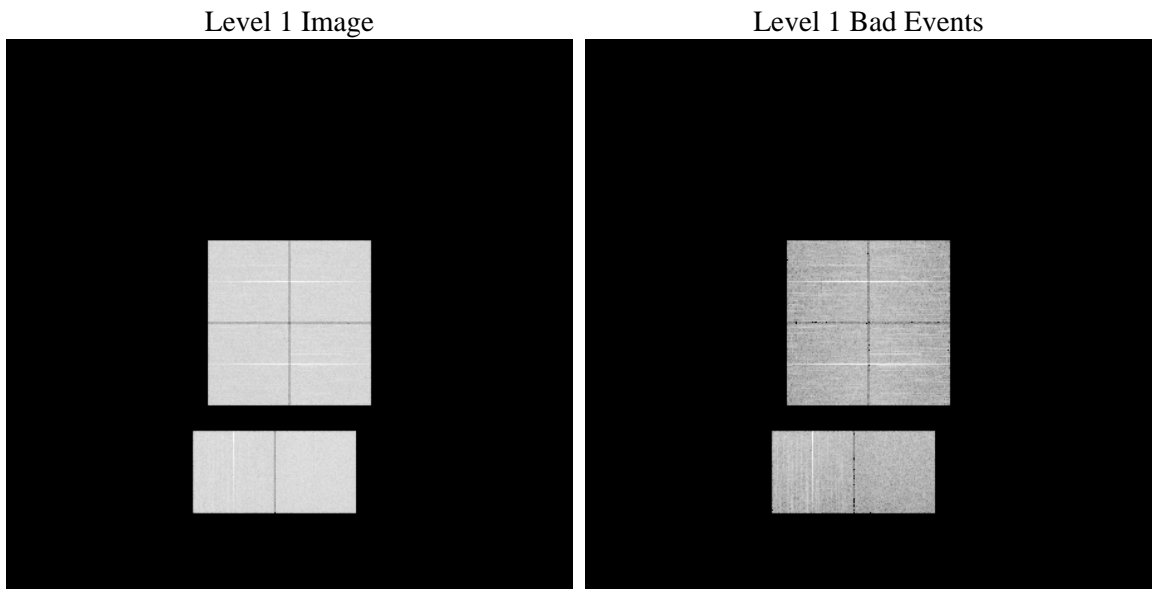
1 Front

seq_num	 	Sequence number
obs_id	59526	Observation id
title	ACIS-012367 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	280.50950239874	Nominal RA [deg]
dec_nom	-7.0288042418473	Nominal Dec [deg]
roll_nom	244.23680187888	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8233.3786004186	Sum of GTIs [s]
livetime	8129.1226030347	Livetime [s]
ontime0	8103.6984881759	Sum of GTIs [s]
ontime1	8187.9228461087	Sum of GTIs [s]
ontime2	7743.8678646386	Sum of GTIs [s]
ontime3	7896.3579993546	Sum of GTIs [s]
ontime6	8233.2144404352	Sum of GTIs [s]
ontime7	8233.3786004186	Sum of GTIs [s]
l2events	1033956	Number of level 2 events

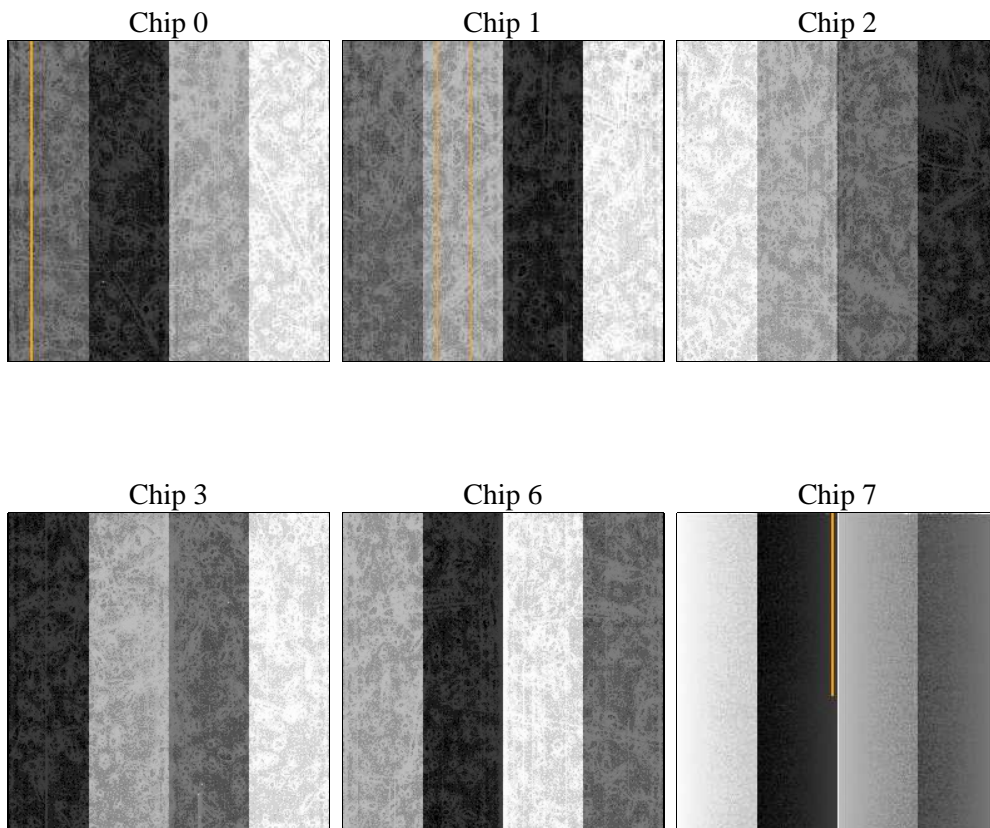
2 OBI

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	8.5.1.1	Processing system revision	ontime	8233.3786004186	Sum of GTIs [s]
caldsver	4.5.5	 	ontime0	8103.6984881759	Sum of GTIs [s]
date	2012-12-26T18:48:00	Date and time of file creation	ontime1	8187.9228461087	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	7743.8678646386	Sum of GTIs [s]
			ontime3	7896.3579993546	Sum of GTIs [s]
			ontime6	8233.2144404352	Sum of GTIs [s]
			ontime7	8233.3786004186	Sum of GTIs [s]
			l1events	1483084	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	240360	243290	231745	242902	257317	267470	grade 0 events	89134	77535	91197	93765	67860	45863
rejected events	64415	65784	63427	70269	75380	56144		37%	31%	39%	38%	26%	17%
rejected %	26%	27%	27%	28%	29%	20%	grade 1 events	421	338	470	478	288	164
								0%	0%	0%	0%	0%	0%
							grade 2 events	39788	53525	32709	34293	66156	46670
								16%	22%	14%	14%	25%	17%
							grade 3 events	10249	8610	10120	10328	7201	21008
								4%	3%	4%	4%	2%	7%
							grade 4 events	9889	8603	10013	10224	7284	19798
								4%	3%	4%	4%	2%	7%
							grade 5 events	3338	3422	3197	3552	3724	8530
								1%	1%	1%	1%	1%	3%
							grade 6 events	27873	30256	25239	25061	34559	79192
								11%	12%	10%	10%	13%	29%
							grade 7 events	59668	61001	58800	65201	70245	46245
								24%	25%	25%	26%	27%	17%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	280.5095023987363
[deg] Pointing Dec	0	-7.028804241847287
[deg] Pointing Roll	0.0	244.2368018788847
[mm] SIM focus pos	-0.782348	-0.6828225247311905
[mm] SIM defocus	0	0.8505141146731063
[mm] SIM translation stage pos	-233.592463	250.4635187648994
[mm] SIM translation stage offset	0	-0.007540371344731511
[s] Observation start time (MET)	239014098.809136	239014097.78412
Observation start date	2005-07-29T08:48:19	2005-07-29T08:48:17
[s] Observation end time (MET)	239027032.259729	239027031.23471
Observation end date	2005-07-29T12:23:52	2005-07-29T12:23:51
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	3.2	3.2

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2013.01.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2333786004186

A.2 Comments