

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 52606 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jul 29 2014

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

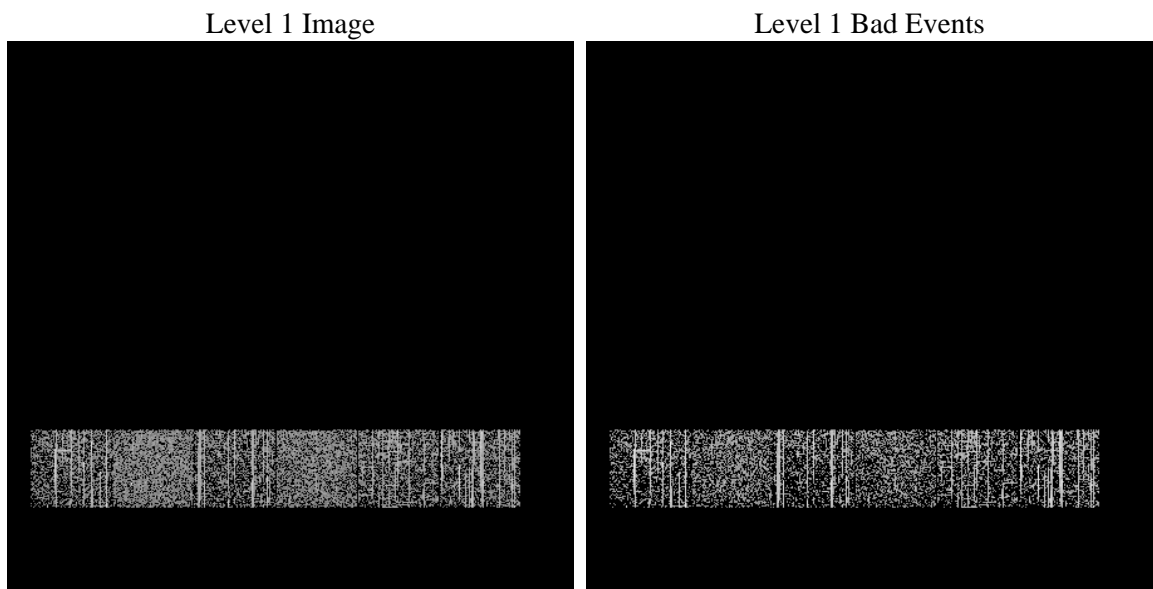
1 Front

seq_num	 	Sequence number
obs_id	52606	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	48.652506317725	Nominal RA [deg]
dec_nom	-19.705562133618	Nominal Dec [deg]
roll_nom	109.71516540559	Nominal Roll [deg]
revision	1	Processing version of data
ontime	435.19999843836	Sum of GTIs [s]
livetime	429.68923401215	Livetime [s]
ontime4	435.19999843836	Sum of GTIs [s]
ontime5	435.19999843836	Sum of GTIs [s]
ontime6	435.19999843836	Sum of GTIs [s]
ontime7	435.19999843836	Sum of GTIs [s]
ontime8	435.19999843836	Sum of GTIs [s]
ontime9	435.19999843836	Sum of GTIs [s]
l2events	10461	Number of level 2 events

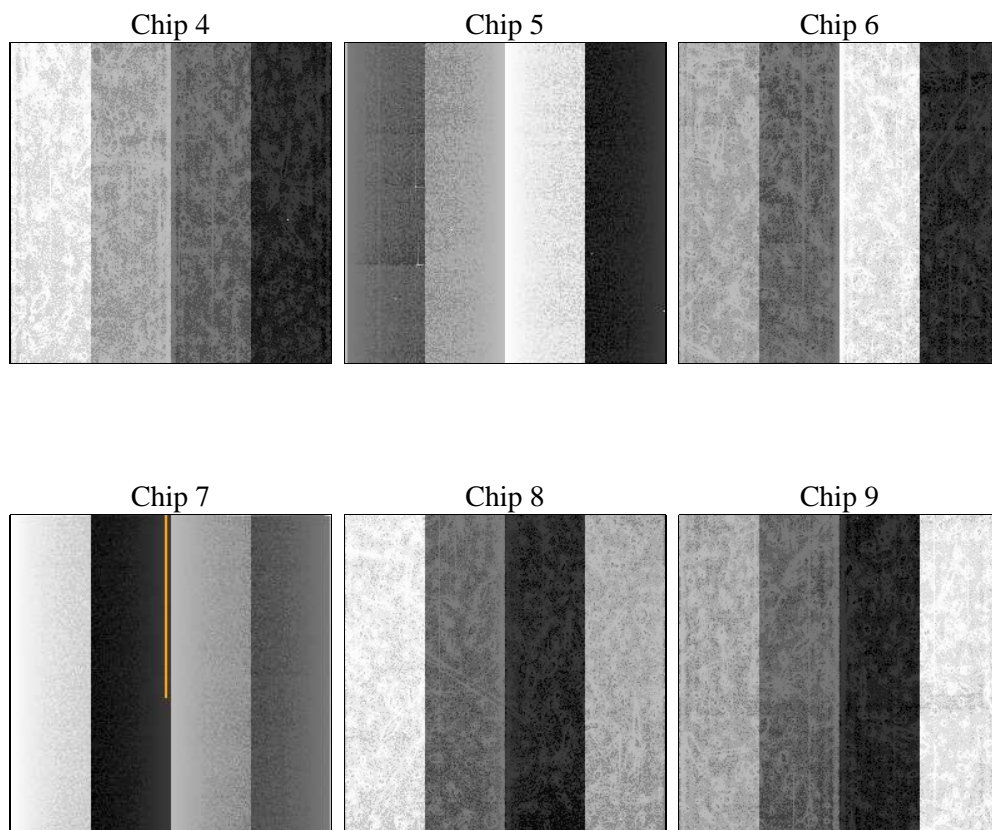
2 OBI

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	10.2.4	Processing system revision	ontime	435.19999843836	Sum of GTIs [s]
caldsver	4.6.2	 	ontime4	435.19999843836	Sum of GTIs [s]
date	2014-07-29T16:39:31	Date and time of file creation	ontime5	435.19999843836	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	435.19999843836	Sum of GTIs [s]
			ontime7	435.19999843836	Sum of GTIs [s]
			ontime8	435.19999843836	Sum of GTIs [s]
			ontime9	435.19999843836	Sum of GTIs [s]
			l1events	47051	Number of level 1 events

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	8348	6842	7801	6016	7261	10783
rejected events	6907	3683	6402	3339	5555	9456
rejected %	82%	53%	82%	55%	76%	87%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	808	479	645	356	750	660
	9%	7%	8%	5%	10%	6%
grade 1 events	5	10	0	5	3	6
	0%	0%	0%	0%	0%	0%
grade 2 events	228	1104	302	664	328	272
	2%	16%	3%	11%	4%	2%
grade 3 events	95	97	92	225	128	92
	1%	1%	1%	3%	1%	0%
grade 4 events	88	94	97	230	125	76
	1%	1%	1%	3%	1%	0%
grade 5 events	179	326	158	390	208	168
	2%	4%	2%	6%	2%	1%
grade 6 events	222	1385	263	1202	375	227
	2%	20%	3%	19%	5%	2%
grade 7 events	6723	3347	6244	2944	5344	9282
	80%	48%	80%	48%	73%	86%

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	48.65250631772537	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-19.705562133618	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	109.7151654055883	[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	250.4635187648994			
[mm] SIM translation stage offset	0	-0.007540371344731511			
[s] Observation start time (MET)	522743872.927126	522743871.90213			
Observation start date	2014-07-26T06:37:53	2014-07-26T06:37:51			
[s] Observation end time (MET)	522815493.781084	522815492.75608			
Observation end date	2014-07-27T02:31:34	2014-07-27T02:31:32			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2014.07.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	0.43519999843836

A.2 Comments