

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 53676 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : May 22 2013

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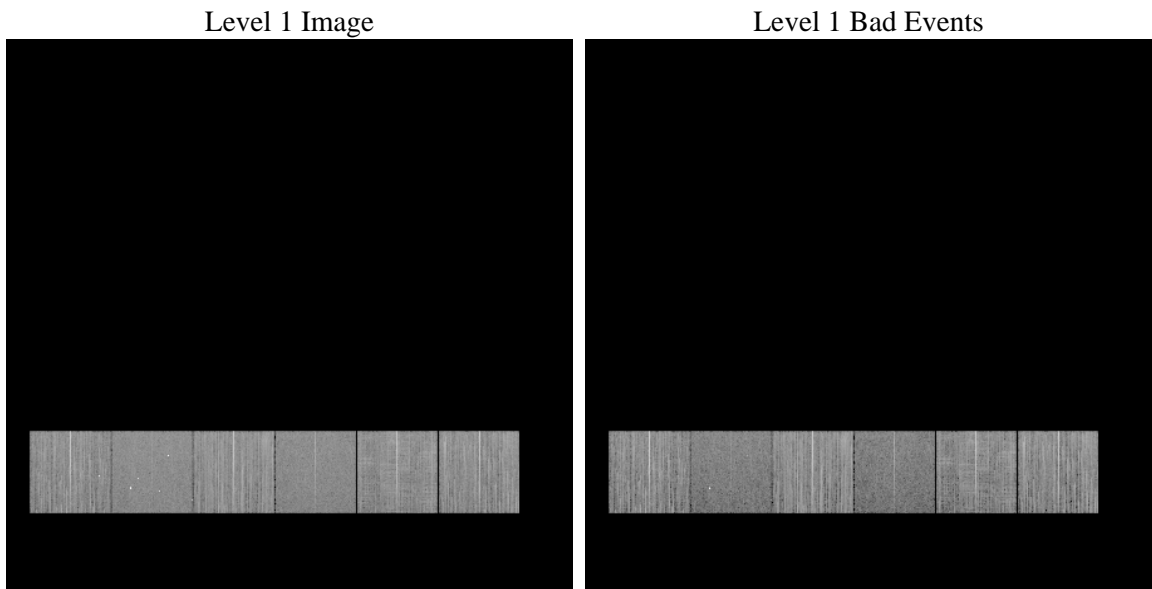
1 Front

seq_num	 	Sequence number
obs_id	53676	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	52.151378837898	Nominal RA [deg]
dec_nom	32.0738018717	Nominal Dec [deg]
roll_nom	154.42411948333	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8067.1999700069	Sum of GTIs [s]
livetime	7965.0482265021	Livetime [s]
ontime4	8067.1999700069	Sum of GTIs [s]
ontime5	8067.1999700069	Sum of GTIs [s]
ontime6	8067.1999700069	Sum of GTIs [s]
ontime7	8067.1999700069	Sum of GTIs [s]
ontime8	8067.1999700069	Sum of GTIs [s]
ontime9	8067.1999700069	Sum of GTIs [s]
l2events	227171	Number of level 2 events

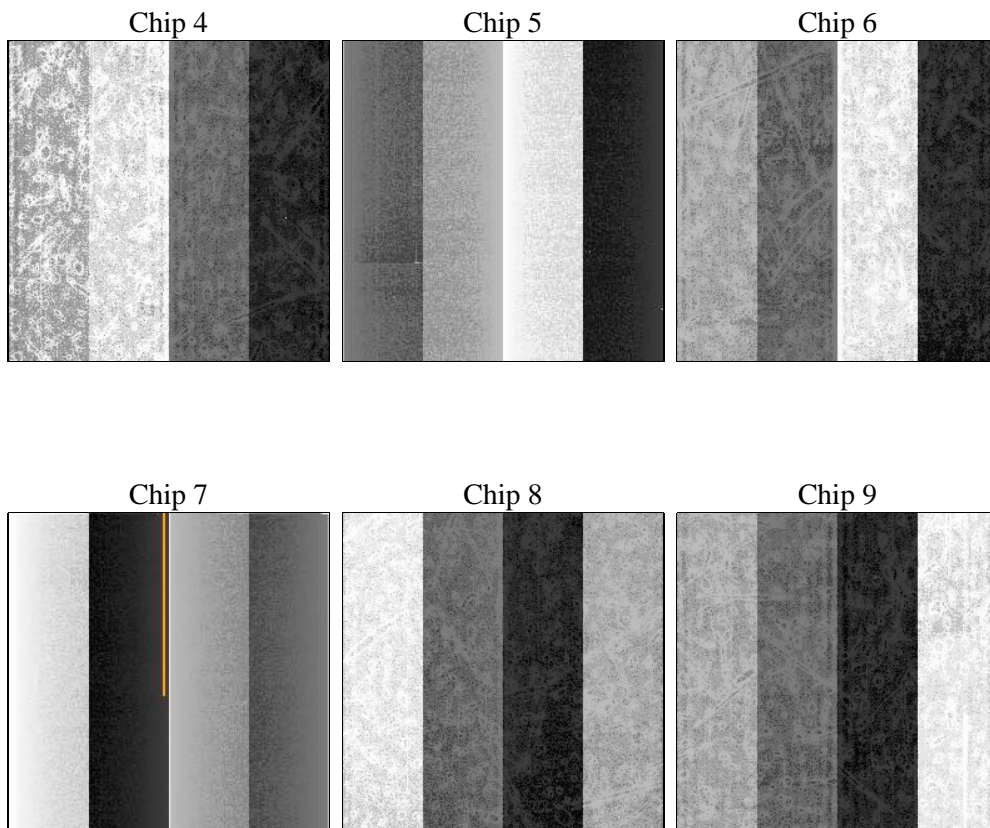
2 OBI

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	8.5.1.1	Processing system revision	ontime	8067.1999700069	Sum of GTIs [s]
caldsver	4.5.6	 	ontime4	8067.1999700069	Sum of GTIs [s]
date	2013-05-22T17:13:25	Date and time of file creation	ontime5	8067.1999700069	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8067.1999700069	Sum of GTIs [s]
			ontime7	8067.1999700069	Sum of GTIs [s]
			ontime8	8067.1999700069	Sum of GTIs [s]
			ontime9	8067.1999700069	Sum of GTIs [s]
			l1events	840981	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	143305	130562	155130	117521	143236	151227	grade 0 events	18482	9107	16898	8395	19095	16519
rejected events	111095	69749	122181	63217	102972	119393		12%	6%	10%	7%	13%	10%
rejected %	77%	53%	78%	53%	71%	78%	grade 1 events	119	160	67	91	82	92
								0%	0%	0%	0%	0%	0%
							grade 2 events	5933	22552	6771	13465	8443	6375
								4%	17%	4%	11%	5%	4%
							grade 3 events	2342	2175	2206	4680	3069	2240
								1%	1%	1%	3%	2%	1%
							grade 4 events	2087	2178	2223	4704	3139	2245
								1%	1%	1%	4%	2%	1%
							grade 5 events	2832	5934	2759	6926	3788	3200
								1%	4%	1%	5%	2%	2%
							grade 6 events	4243	26426	5716	24569	7713	5259
								2%	20%	3%	20%	5%	3%
							grade 7 events	107267	62030	118490	54691	97907	115297
								74%	47%	76%	46%	68%	76%

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	52.15137883789772
[deg] Pointing Dec	0	32.0738018717001
[deg] Pointing Roll	0.0	154.4241194833251
SIM focus pos (mm)	-1.4281808131	-1.4281808131
[mm] SIM defocus	0.1051557500557434	0.1051557500557434
SIM translation stage pos (mm)	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	485529901.085443	485529901.085443
Observation start date	2013-05-21T13:25:01	2013-05-21T13:25:01
[s] Observation end time (MET)	485539719.063625	485539719.063625
Observation end date	2013-05-21T16:08:39	2013-05-21T16:08:39
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
Number of optional ACIS chips dropped	0	0
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)	2013.05.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0671999700069

A.2 Comments