

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 53820 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Apr 1 2013

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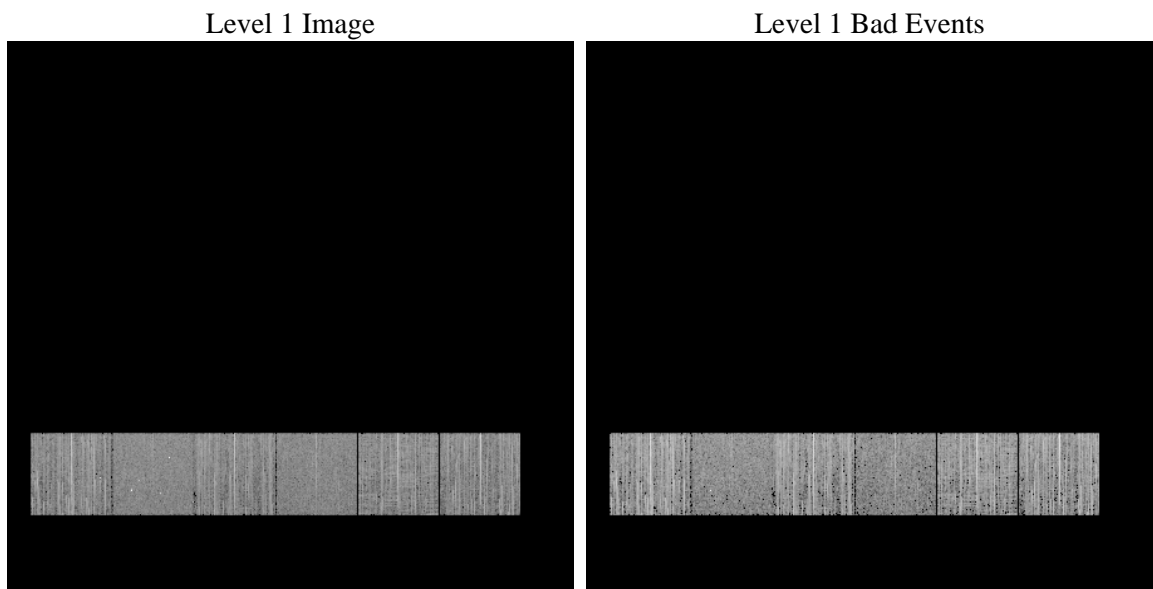
1 Front

seq_num	 	Sequence number
obs_id	53820	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	176.48726107494	Nominal RA [deg]
dec_nom	18.97400349689	Nominal Dec [deg]
roll_nom	211.69537058098	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3231.9999880195	Sum of GTIs [s]
livetime	3191.0744580944	Livetime [s]
ontime4	3231.9999880195	Sum of GTIs [s]
ontime5	3231.9999880195	Sum of GTIs [s]
ontime6	3231.9999880195	Sum of GTIs [s]
ontime7	3231.9999880195	Sum of GTIs [s]
ontime8	3231.9999880195	Sum of GTIs [s]
ontime9	3231.9999880195	Sum of GTIs [s]
l2events	98099	Number of level 2 events

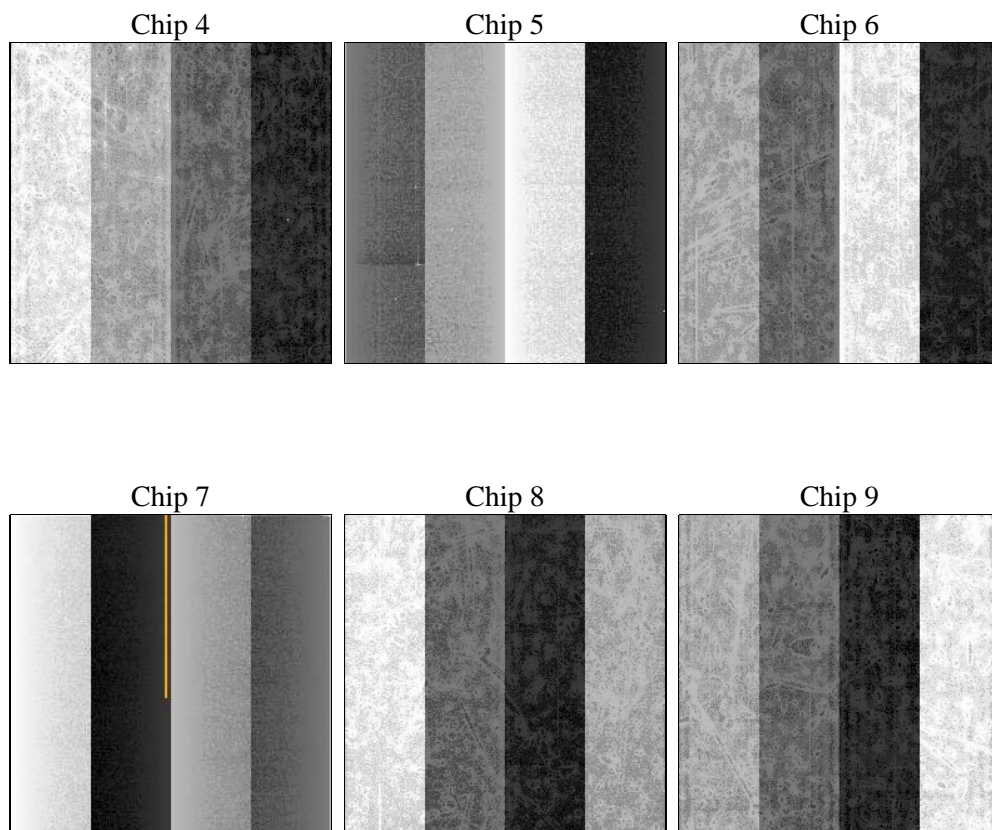
2 OBI

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	3231.9999880195	Sum of GTIs [s]
caldbver	4.5.6	 	ontime4	3231.9999880195	Sum of GTIs [s]
date	2013-04-01T19:43:34	Date and time of file creation	ontime5	3231.9999880195	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	3231.9999880195	Sum of GTIs [s]
			ontime7	3231.9999880195	Sum of GTIs [s]
			ontime8	3231.9999880195	Sum of GTIs [s]
			ontime9	3231.9999880195	Sum of GTIs [s]
			l1events	376842	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	69844	58477	64070	52877	65787	65787	grade 0 events	7891	3834	7091	3553	7755	6767
rejected events	55777	31471	50228	28615	48574	52447		11%	6%	11%	6%	11%	10%
rejected %	79%	53%	78%	54%	73%	79%	grade 1 events	68	85	35	33	52	51
								0%	0%	0%	0%	0%	0%
							grade 2 events	2706	10107	2755	6211	3634	2690
								3%	17%	4%	11%	5%	4%
							grade 3 events	941	936	905	2084	1354	913
								1%	1%	1%	3%	2%	1%
							grade 4 events	927	882	954	2049	1293	944
								1%	1%	1%	3%	1%	1%
							grade 5 events	1368	2646	1265	3274	1747	1483
								1%	4%	1%	6%	2%	2%
							grade 6 events	1846	11656	2376	10763	3439	2256
								2%	19%	3%	20%	5%	3%
							grade 7 events	54097	28331	48689	24910	46513	50683
								77%	48%	75%	47%	70%	77%

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	176.4872610749391	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	18.97400349688981	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	211.6953705809817	[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)	481166166.299036	481166165.27404			
Observation start date	2013-04-01T01:16:06	2013-04-01T01:16:05			
[s] Observation end time (MET)	481169948.549241	481169947.52424			
Observation end date	2013-04-01T02:19:09	2013-04-01T02:19:07			
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)	2013.04.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2319999880195

A.2 Comments