

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 53893 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Mar 3 2013

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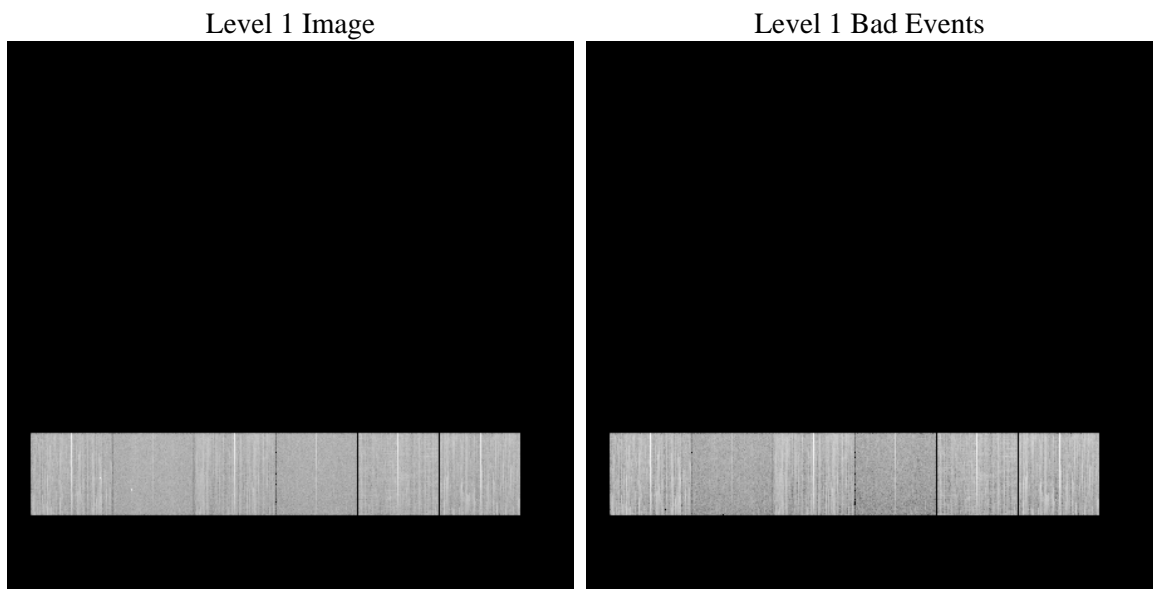
1 Front

seq_num	 	Sequence number
obs_id	53893	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	168.22828910655	Nominal RA [deg]
dec_nom	33.628543575646	Nominal Dec [deg]
roll_nom	170.7034181906	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8271.7112275362	Sum of GTIs [s]
livetime	8166.9698393466	Livetime [s]
ontime4	8271.5881075263	Sum of GTIs [s]
ontime5	8271.6701875329	Sum of GTIs [s]
ontime6	8268.3881272078	Sum of GTIs [s]
ontime7	8271.7112275362	Sum of GTIs [s]
ontime8	8271.547067523	Sum of GTIs [s]
ontime9	8271.7522675395	Sum of GTIs [s]
l2events	323035	Number of level 2 events

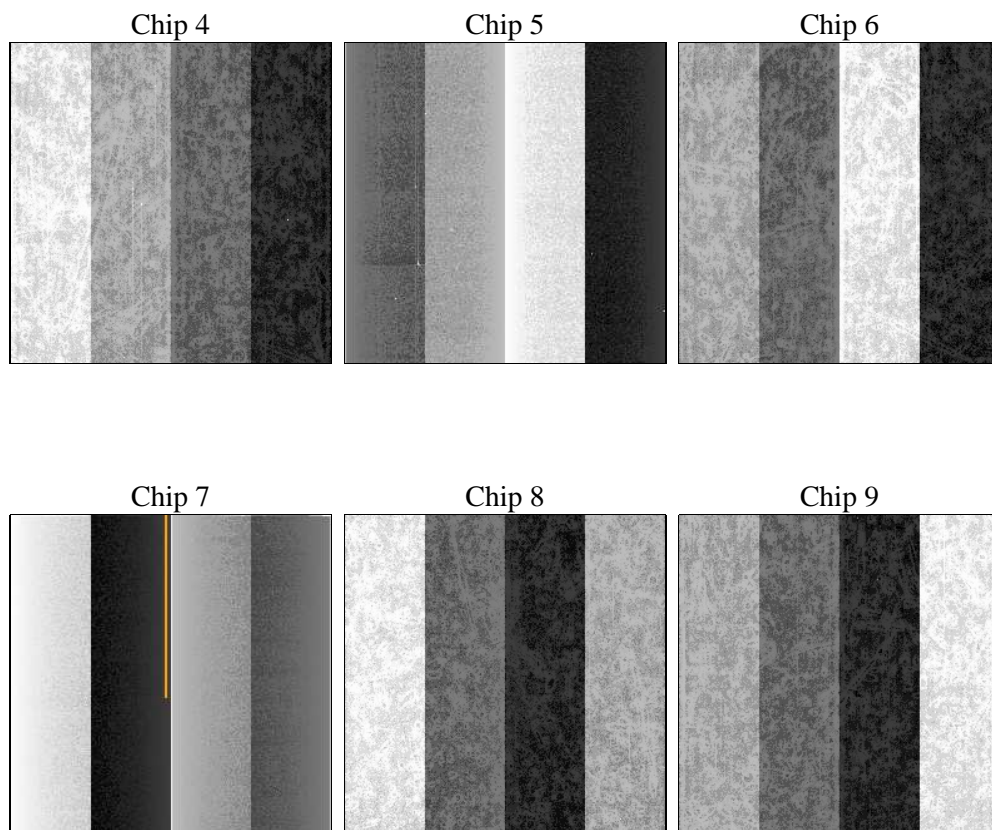
2 OBI

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	8271.7112275362	Sum of GTIs [s]
caldsver	4.5.6	 	ontime4	8271.5881075263	Sum of GTIs [s]
date	2013-03-03T17:05:54	Date and time of file creation	ontime5	8271.6701875329	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8268.3881272078	Sum of GTIs [s]
			ontime7	8271.7112275362	Sum of GTIs [s]
			ontime8	8271.547067523	Sum of GTIs [s]
			ontime9	8271.7522675395	Sum of GTIs [s]
			l1events	1101127	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	199764	156559	196168	148863	196343	203430	grade 0 events	25383	5983	19971	10553	25673	22223
rejected events	151185	83206	146896	76526	137532	155122		12%	3%	10%	7%	13%	10%
rejected %	75%	53%	74%	51%	70%	76%	grade 1 events	208	183	96	85	141	124
								0%	0%	0%	0%	0%	0%
							grade 2 events	9511	28373	14141	18485	13416	11140
								4%	18%	7%	12%	6%	5%
							grade 3 events	3239	2173	2556	5252	3965	2984
								1%	1%	1%	3%	2%	1%
							grade 4 events	3094	2124	2554	5140	3787	2858
								1%	1%	1%	3%	1%	1%
							grade 5 events	3414	6104	3097	7648	4217	3705
								1%	3%	1%	5%	2%	1%
							grade 6 events	7363	34723	10064	32933	11986	9112
								3%	22%	5%	22%	6%	4%
							grade 7 events	147552	76896	143689	68767	133158	151284
								73%	49%	73%	46%	67%	74%

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	168.2282891065539	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	33.62854357564559	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	170.7034181905964	[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)	478677564.564462	478677563.53946			
Observation start date	2013-03-03T05:59:25	2013-03-03T05:59:23			
[s] Observation end time (MET)	478687744.865013	478687743.84001			
Observation end date	2013-03-03T08:49:05	2013-03-03T08:49:03			
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)	2013.03.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2717112275362

A.2 Comments