

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 54188 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Nov 5 2012

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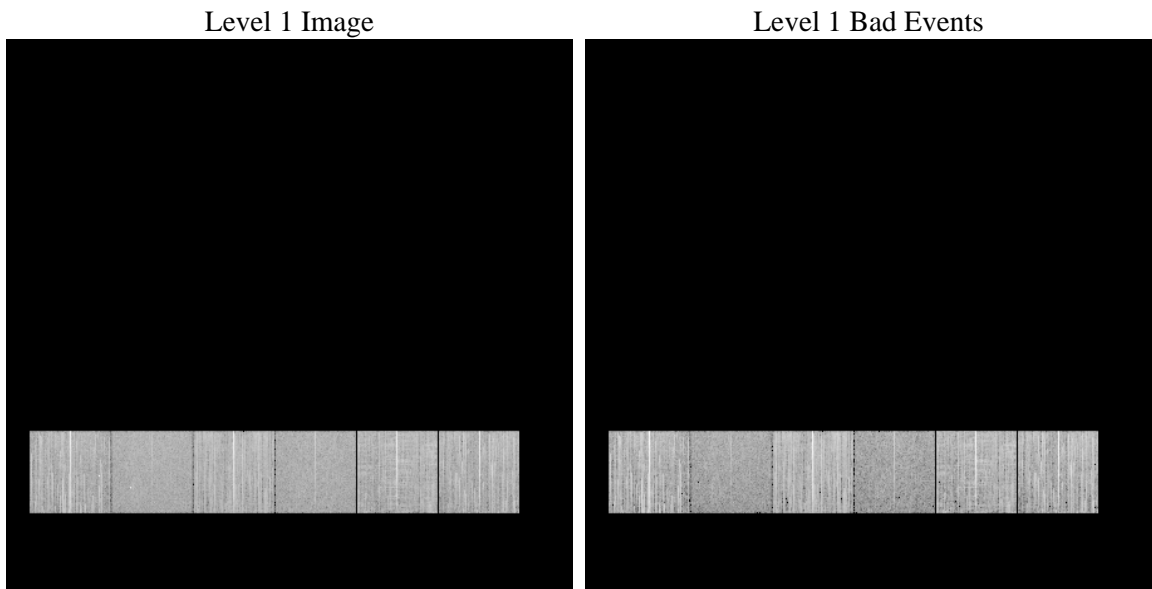
1 Front

seq_num	 	Sequence number
obs_id	54188	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	20.51364881268	Nominal RA [deg]
dec_nom	0.196636817541	Nominal Dec [deg]
roll_nom	309.94836566668	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5583.7086516023	Sum of GTIs [s]
livetime	5513.00437055	Livetime [s]
ontime4	5583.5855315924	Sum of GTIs [s]
ontime5	5583.667611599	Sum of GTIs [s]
ontime6	5583.6265715957	Sum of GTIs [s]
ontime7	5583.7086516023	Sum of GTIs [s]
ontime8	5583.5444915891	Sum of GTIs [s]
ontime9	5583.7496916056	Sum of GTIs [s]
l2events	176970	Number of level 2 events

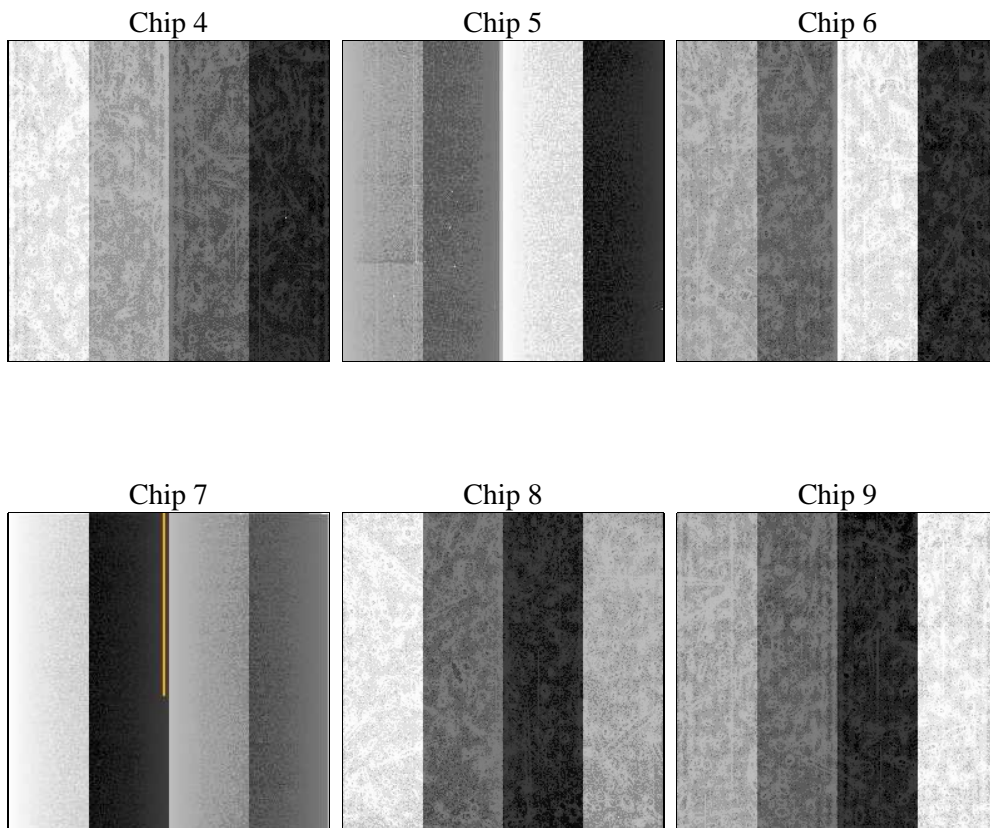
2 OBI

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	8.4.5	Processing system revision	ontime	5583.7086516023	Sum of GTIs [s]
caldsver	4.5.2	 	ontime4	5583.5855315924	Sum of GTIs [s]
date	2012-11-04T21:54:48	Date and time of file creation	ontime5	5583.667611599	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	5583.6265715957	Sum of GTIs [s]
			ontime7	5583.7086516023	Sum of GTIs [s]
			ontime8	5583.5444915891	Sum of GTIs [s]
			ontime9	5583.7496916056	Sum of GTIs [s]
			l1events	665292	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	117857	95063	125456	90801	118229	117886	grade 0 events	13967	3740	12066	6302	14401	12503
rejected events	92449	51479	100213	48112	86846	92911		11%	3%	9%	6%	12%	10%
rejected %	78%	54%	79%	52%	73%	78%	grade 1 events	136	109	56	62	78	63
								0%	0%	0%	0%	0%	0%
							grade 2 events	4737	16611	5718	10452	6490	4987
								4%	17%	4%	11%	5%	4%
							grade 3 events	1694	1404	1489	3500	2364	1664
								1%	1%	1%	3%	1%	1%
							grade 4 events	1684	1350	1584	3342	2257	1735
								1%	1%	1%	3%	1%	1%
							grade 5 events	2220	3991	2025	5111	2753	2439
								1%	4%	1%	5%	2%	2%
							grade 6 events	3326	20479	4386	19093	5871	4086
								2%	21%	3%	21%	4%	3%
							grade 7 events	90093	47379	98132	42939	84015	90409
								76%	49%	78%	47%	71%	76%

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	20.51364881267989	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	0.1966368175410028	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	309.9483656666774	[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)	468391293.36003	468391292.33503			
Observation start date	2012-11-04T04:41:33	2012-11-04T04:41:32			
[s] Observation end time (MET)	468398773.810432	468398772.78543			
Observation end date	2012-11-04T06:46:14	2012-11-04T06:46:12			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.11.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.5837086516023

A.2 Comments