

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 54459 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Aug 17 2012

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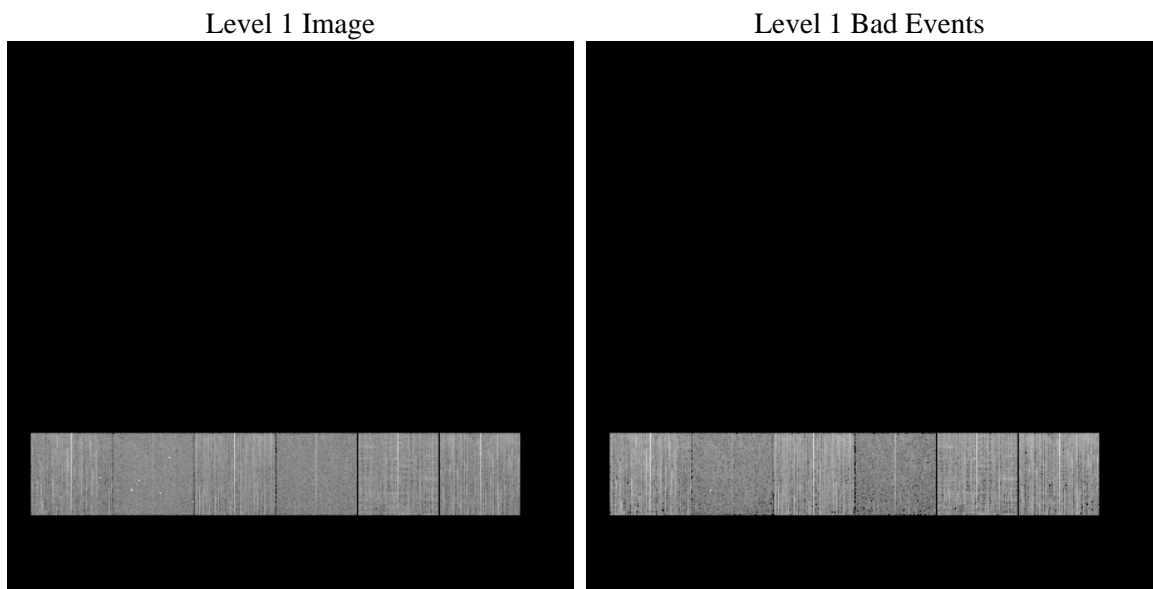
1 Front

seq_num	 	Sequence number
obs_id	54459	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	295.43733897709	Nominal RA [deg]
dec_nom	-42.984566801263	Nominal Dec [deg]
roll_nom	340.86081921961	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4466.1529385448	Sum of GTIs [s]
livetime	4409.5998208425	Livetime [s]
ontime4	4317.281624496	Sum of GTIs [s]
ontime5	4466.1529385448	Sum of GTIs [s]
ontime6	4323.547175467	Sum of GTIs [s]
ontime7	4466.1529385448	Sum of GTIs [s]
ontime8	4333.4457858801	Sum of GTIs [s]
ontime9	4326.7882160544	Sum of GTIs [s]
l2events	154721	Number of level 2 events

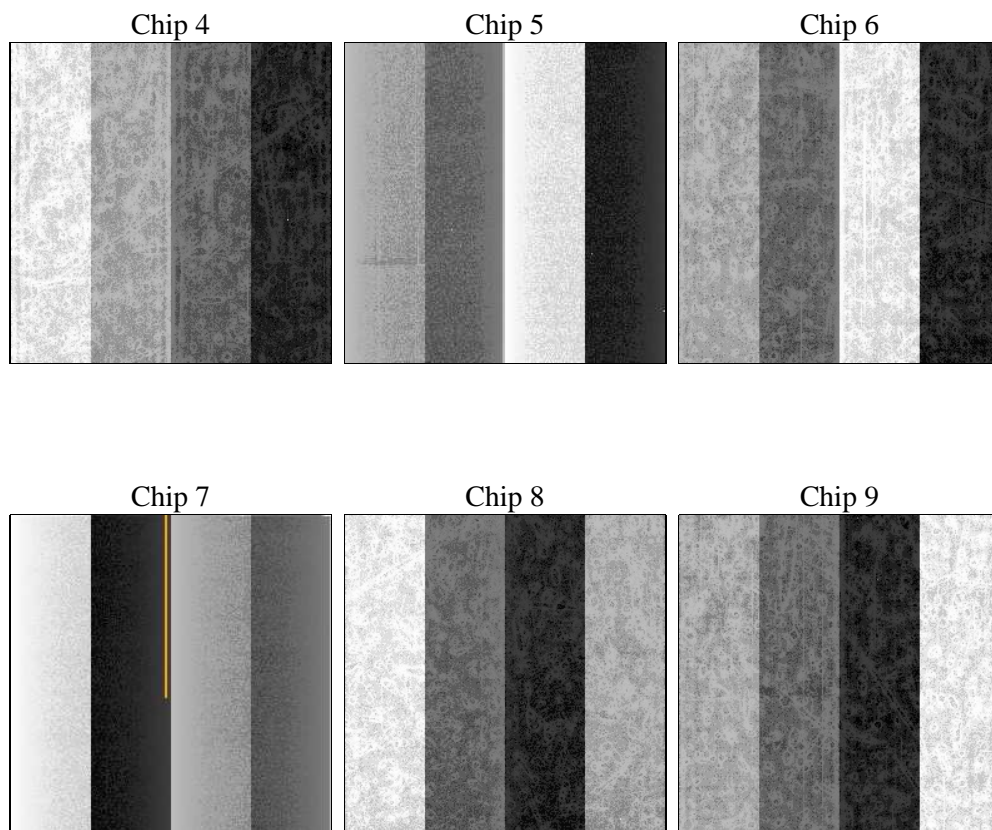
2 OBI

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	8.4.5	Processing system revision	ontime	4466.1529385448	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime4	4317.281624496	Sum of GTIs [s]
date	2012-08-17T21:09:36	Date and time of file creation	ontime5	4466.1529385448	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	4323.547175467	Sum of GTIs [s]
			ontime7	4466.1529385448	Sum of GTIs [s]
			ontime8	4333.4457858801	Sum of GTIs [s]
			ontime9	4326.7882160544	Sum of GTIs [s]
			l1events	584900	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	102213	85930	107698	76643	107731	104685	grade 0 events	12547	6979	11486	5896	14584	11286
rejected events	79833	43923	85085	39186	75254	82929		12%	8%	10%	7%	13%	10%
rejected %	78%	51%	79%	51%	69%	79%	grade 1 events	99	97	67	50	71	67
								0%	0%	0%	0%	0%	0%
							grade 2 events	4132	15136	4564	9521	6402	4069
								4%	17%	4%	12%	5%	3%
							grade 3 events	1471	1626	1426	3069	2772	1473
								1%	1%	1%	4%	2%	1%
							grade 4 events	1467	1633	1450	3063	2723	1453
								1%	1%	1%	3%	2%	1%
							grade 5 events	1573	3830	1629	4280	2295	1817
								1%	4%	1%	5%	2%	1%
							grade 6 events	2781	16633	3687	15908	6015	3475
								2%	19%	3%	20%	5%	3%
							grade 7 events	78143	39996	83389	34856	72869	81045
								76%	46%	77%	45%	67%	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	295.4373389770941	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-42.98456680126309	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	340.8608192196053	[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)	459479694.832602	459479693.8076			
Observation start date	2012-07-24T01:14:55	2012-07-24T01:14:53			
[s] Observation end time (MET)	459488259.733059	459488258.70806			
Observation end date	2012-07-24T03:37:40	2012-07-24T03:37:38			
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)	2012.08.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.4661529385448

A.2 Comments