

V&V Reference Report

L2 ASCDS Version : 8.3.2.1

Observation 62869 - L2 Version 4

Chandra X-Ray Center

L2 Processing Date : Sep 28 2010

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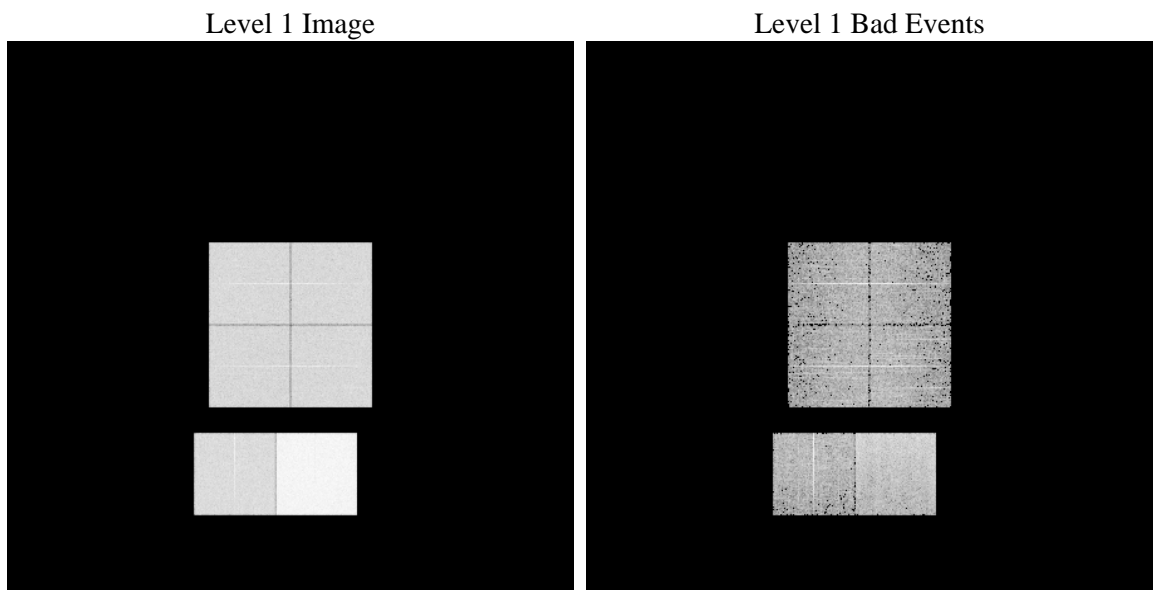
1 Front

seq_num	 	Sequence number
obs_id	62869	Observation id
title	ACIS-012367 diagnostics for the obsid formerly known as 1316	Propo
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
dec_targ	0.0	Observer's specified target Dec
ra_nom	92.10102405633	Nominal RA
dec_nom	46.605433260748	Nominal Dec
roll_nom	89.261914060745	Nominal Roll
revision	4	Processing version of data
ontime	3767.766282022	Sum of GTIs [s]
livetime	3720.0565566826	Livetime [s]
ontime0	1437.5233998895	Sum of GTIs [s]
ontime1	1427.8412400708	Sum of GTIs [s]
ontime2	1359.8204998001	Sum of GTIs [s]
ontime3	1388.8621694744	Sum of GTIs [s]
ontime6	1551.1237905249	Sum of GTIs [s]
ontime7	3767.766282022	Sum of GTIs [s]
l2events	1015101	Number of level 2 events

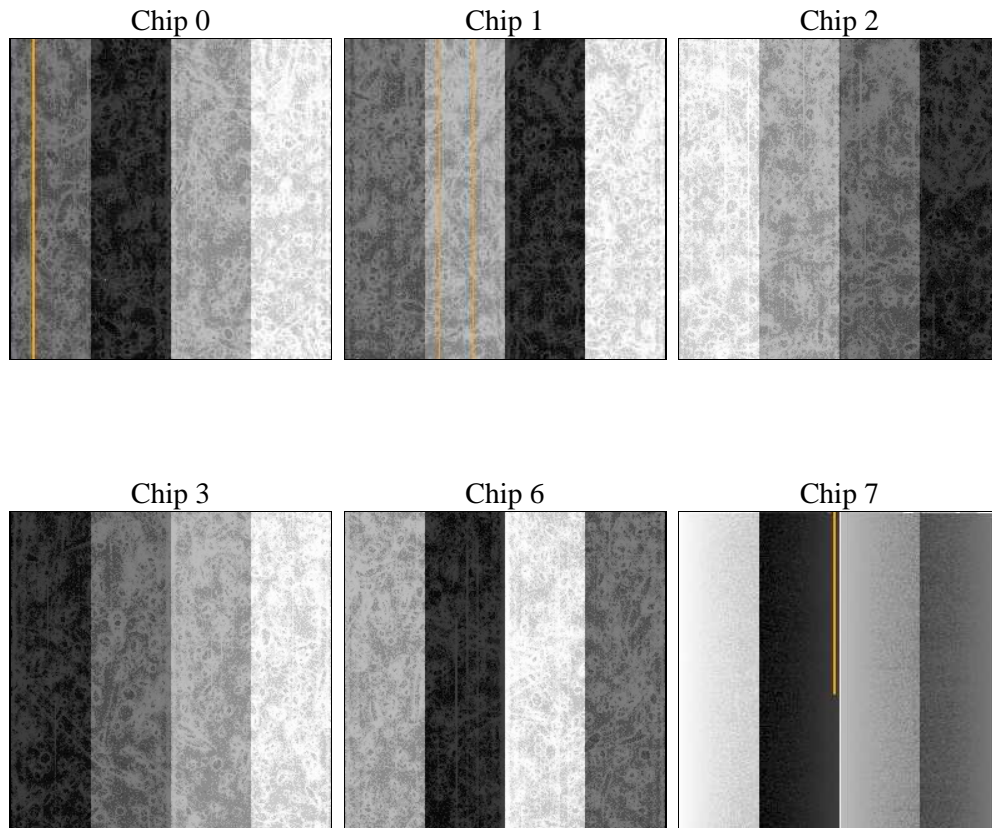
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8868	Scheduled observation exposure time
ascdsver	8.3.2.1	ASCDS version number	ontime	3767.766282022	Sum of GTIs [s]
caldsver	4.3.1	 	ontime0	1437.5233998895	Sum of GTIs [s]
date	2010-09-28T19:06:38	Date and time of file creation	ontime1	1427.8412400708	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	1359.8204998001	Sum of GTIs [s]
			ontime3	1388.8621694744	Sum of GTIs [s]
			ontime6	1551.1237905249	Sum of GTIs [s]
			ontime7	3767.766282022	Sum of GTIs [s]
			l1events	1190168	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	153264	151362	146785	151156	171857	415744	grade 0 events	49600	49056	39908	42847	40528	66198
rejected events	22503	21348	23394	24806	27306	44896		32%	32%	27%	28%	23%	15%
rejected %	14%	14%	15%	16%	15%	10%	grade 1 events	232	213	178	187	189	180
								0%	0%	0%	0%	0%	0%
							grade 2 events	48173	48085	53435	53172	67991	105260
								31%	31%	36%	35%	39%	25%
							grade 3 events	5527	5469	4172	4562	4142	32002
								3%	3%	2%	3%	2%	7%
							grade 4 events	5399	5229	4242	4476	4041	28628
								3%	3%	2%	2%	2%	6%
							grade 5 events	1369	1285	1273	1314	1413	6127
								0%	0%	0%	0%	0%	1%
							grade 6 events	22988	23023	22533	22486	29042	141679
								14%	15%	15%	14%	16%	34%
							grade 7 events	19976	19002	21044	22112	24511	35670
								13%	12%	14%	14%	14%	8%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
Pointing RA	0	92.10102405633019
Pointing Dec	0	46.60543326074781
Pointing Roll	0.0	89.26191406074531
SIM focus pos (mm)	-0.6828225247311905	-0.6828225247311905
SIM defocus (mm)	0.8505140384245529	0.8505140384245529
SIM translation stage pos (mm)	250.466033080201	250.466033080201
SIM translation stage offset (mm)	-0.0100572612062706	-0.0100572612062706
Observation start time	54637028.650411	54637028.650411
Observation start date	1999-09-25T08:56:05	1999-09-25T08:57:08
Observation end time	54645896.950729	54645896.950729
Observation end date	1999-09-25T11:23:53	1999-09-25T11:24:56
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	6	6
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
Primary exposure time	3.2	3.2

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.09.30
V&V Edition	2
V&V Disposition and Status	OK
V&V Charge Time	3.767766282022

A.2 Comments

This obsid originally appeared in telemetry with number 1316. It is documented in the spacecraft load as obsid 1316. Because this obsid was previously used for a different instrument configuration, the telemetry file was edited to change the obsid to 62869.

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The focal plane temperature is approximately -110 C during this observation.