

CXCDS DATA PROCESSING

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CXCDS SDP

- AP (Automatic Processing)
- REPRO I
- REPRO II
- SAP (Special AP)
- CP (Custom Processing)

1st E-mail Notification

Date: Thu, 19 Apr 2001 07:05:26 -0400 (EDT)
From: Arcops Account
To: KIM@cfa.harvard.edu, arcops_arc@head-cfa.harvard.edu
Subject: Your Chandra Observation 600156 Observed

Dear Dr. KIM (KIM@CFA.HARVARD.EDU),
This message is to inform you that your observation

SeqNum 600156, Obsid 2022 (NGC 1316)

was observed on Apr 17, 2001.

If no unforeseen problems arise, your data should be **available in 3-4 weeks**.

In the meantime, you will be able to monitor its progress by means of our status web tool at

http://asc.harvard.edu/proc_stat/pst.html

Chandra Data Archive Operations

<http://asc.harvard.edu/cda/>

QUICKLOOK E-MAIL Notification

Date: Fri, 20 Apr 2001 00:05:20 -0400 (EDT)
From: Arcops Account
To: KIM@cfa.harvard.edu, arcops_arc@head-cfa.harvard.edu
Subject: QL Images of Your Chandra Observation 600156

Dear Dr. KIM,

The data for your Chandra ACIS-S observation of NGC 1316:
 ObsId 2022, SeqNum 600156
have been received and processed through QuickLook.

The **QuickLook results** are summarized in one or two images which you may view through your web browser at URL(s):

<ftp://asc.harvard.edu/pub/arcftp/.gojpeg/20010420/obs2022-787689.jpg>

ftp://asc.harvard.edu/pub/arcftp/.gojpeg/20010420/obs2022_center-524353.jpg

Please be advised that these images represent only a very preliminary view of your observation. The processing is only preliminary and does not include the screening performed by the complete processing system, so that instruments artifacts may be included. But we trust that this QuickLook preview proves useful to you.

You may reasonably expect notification of availability of the properly **processed results in two to four weeks**. The processing status of Chandra observations may be tracked through the CXC Processing Status page at:

http://asc.harvard.edu/proc_stat/pst.html

Sincerely,

- Chandra Data Archive Operations

ISSUE E-MAIL

Date: Fri, 20 Apr 2001 06:05:16 -0400 (EDT)

From: Arcops Account

To: PGREEN@cfa.harvard.edu, arcops_arc@head-cfa.harvard.edu, dkim@head-cfa.harvard.edu

Subject: Processing Issue(s) Associated with your Chandra Observation 700166

Dear Dr. GREEN,

This message is to inform you that for your observation

SeqNum 700166, Obsid 861 (Q2345+007), observed on Jun 27, 2000

the following processing **issues have been identified**:

Issue No. 87 - Disposition: fixed

did not merge in multi-obi observation

Because archive retrieval is not fully implemented in the automatic processing (AP), previously processed data stored in the DB archive may not be automatically retrieved. As a result, if the data of the earlier observation interval (OBI) in multi-obi observations were cleaned from the local cache directory, they would not be merged with later OBI data in the level2 processing. This requires manual retrieval of necessary data products. The full implementation of data retrieval is being addressed.

ISSUE RESOLVED

Date: Sat, 21 Apr 2001 06:05:19 -0400 (EDT)

From: Arcops Account

To: PGREEN@cfa.harvard.edu, arcops_arc@head-cfa.harvard.edu, dkim@head-cfa.harvard.edu

Subject: Processing Issue(s) Resolved for your Chandra Observation 700166

Dear Dr. GREEN,

This message is to inform you that for your observation

SeqNum 700166, Obsid 861 (Q2345+007), observed on Jun 27, 2000

the following processing **issues have been resolved**:

Issue No. 87 - Disposition: fixed

did not merge in multi-obi observation

Because archive retrieval is not fully implemented in the automatic processing (AP), previously processed data stored in the DB archive may not be automatically retrieved. As a result, if the data of the earlier observation interval (OBI) in multi-obi observations were cleaned from the local cache directory, they would not be merged with later OBI data in the level2 processing. This requires manual retrieval of necessary data products. The full implementation of data retrieval is being addressed.

REPROCESSING I

- Done for observations taken between 09/14/1999 and 08/15/2000
Covers from the 1st GTO observation (9/17/1999)
Ends at the data products processed by CXCDS s/w release R4CU5UP8,
a version prepared for reprocessing.
- Pre-GTO : From day 1 (7/23/1999) to 9/14/1999
The input data suffer from many data issues.
Observational parameters – mixed/inconsistent by r/t commanding etc.

→ currently working on cleaning input data and
collection consistent obs parameters

REPROCESSING II

1. HRC-I
2. HRC-S
3. HRC-SI
4. ACIS CTI (or ER)
5. ACIS CC Mode
6. ACIS Interleave Mode
7. Cal Alignment (ACIS-I)
8. CP Only

1. HRC-I

Nature of Enhancement: De-gap correction + Accurate absolute position

S/W or Calibration Issues: none

Total number of obsids involved: 258

Processing Status: 205 obsids done as of 4/20

Estimated Processing Time: 1-2 weeks

51 obsids with the following conditions

– Had an error in absolute position ($< 2''$)

AP_Date $<$ Nov. 7, 2000 and Obs_Date $>$ Aug. 15, 2000

RP_Date $<$ Nov, 7, 2000 and Obs_Date $<$ Dec. 1, 1999

2. HRC-S

Nature of Enhancement: Degap + Accurate Absolute position

S/W or Calibration Issues: New De-gap map not available

Total number of obsids involved: 130

Processing Status: not started

Estimated Processing Time: n/a

38 obsids with the following conditions

– Had an error in absolute position ($< 2''$)

AP_Date $<$ Nov. 7, 2000 and Obs_Date $>$ Aug. 15, 2000

RP_Date $<$ Nov, 7, 2000 and Obs_Date $<$ Dec. 1, 1999

3. HRC-SI

Nature of Enhancement: fast timing correction

S/W or Calibration Issues: U6 to be tested

Total number of obsids involved: 12

Processing Status: not started

Estimated Processing Time: 1-2 weeks

4. ACIS CTI (ER)

Nature of Enhancement: Restore L2 events by fixing s/w bug

S/W or Calibration Issues: none

Total number of obsids involved: 148

Processing Status: 144 obsids done as of 4/20

Estimated Processing Time:

5. ACIS CC mode

Nature of Enhancement: coordinate upgrade + accurate timing

S/W or Calibration Issues: U6 to be tested

Total number of obsids involved: 35

Processing Status: not started

Estimated Processing Time: 1-2 weeks

6. ACIS Interleave Mode

Nature of Enhancement: Dead time correction

S/W or Calibration Issues: U6 to be tested

Total number of obsids involved: 32

Processing Status: not started

Estimated Processing Time: 1-2 weeks

7. CAL Alignment (ACIS-I)

Nature of Enhancement: accurate absolute position

S/W or Calibration Issues: ready

Total number of obsids involved: 7 (+ all ACIS-I)

Processing Status: not started

Estimated Processing Time: 1-2 weeks

8. CP Only

Nature of Enhancement: archive data

S/W or Calibration Issues: ready

Total number of obsids involved: 13

Processing Status: not started

Estimated Processing Time: 2-3 weeks

DATA PROCESSING ISSUES

Number of Issues = 95

Status : Open, Fixed, Closed, Data

Category: Pipeline, DB, ARD, Spec, Data



Issue Tables

Predefined Output List



Short Report



Long Report

Issue Fields	Selection Criteria								
IssueId	From: <input type="text"/>			To: <input type="text"/>					
Status	<input checked="" type="checkbox"/> Open	<input type="checkbox"/> Fixed		<input type="checkbox"/> Closed			<input type="checkbox"/> Data		
Date Open	Include NULLs <input checked="" type="checkbox"/>	From	<input type="text"/>	<input type="text"/>	<input type="text"/>	To	<input type="text"/>	<input type="text"/>	<input type="text"/>
Date Fixed	Include NULLs <input checked="" type="checkbox"/>	From	<input type="text"/>	<input type="text"/>	<input type="text"/>	To	<input type="text"/>	<input type="text"/>	<input type="text"/>
Date Received	Include NULLs <input type="checkbox"/>	From	<input type="text"/>	<input type="text"/>	<input type="text"/>	To	<input type="text"/>	<input type="text"/>	<input type="text"/>



Issue Search Results

IssueId	Title	Status	Category	No. of Obsids (open)	List of open Obsids	No. of Obsids (resolved)	List of resolved Obsids
90	Guide star/fid light lost during obs	data	DATA	0		3	597 , 1888 , 2091
91	disk glitch	open	h/w	0		2	2310 , 2142
92	wrong version of data products	open	ap	0		8	121 , 169 , 359 , 425 , 426 , 882 , 922 , 931
93	same obsid used in next OR/ER	data	DATA	0		1	1578
94	Dump processed out-of-sequence	data	DATA	0		3	1884 , 2429 , 1944
95	Corrupted bias value	data	DATA	1	2093	0	

Processing Status Tools and Related Sites



IssueId: 90

Title: Guide star/fid light lost during obs

Description: Because of a flight operations issue, some (usually one) guide stars or fiducial lights were lost during the observation. This would prevent from reconstructing good quality aspect data. This problem requires manual intervention either by updating OCAT or removing the bad slot during the data processing.

Status: data

Category: DATA

Version Resolved:

Date Entered: Mar 7 2001 12:00:00:000AM

Date Fixed:

Date Resolved:

Resolved Obsids: [597](#), [1888](#), [2091](#)

Open Obsids:

Status OPEN: the issue has been found and await resolution

Status FIXED: There is a software or operational fix to the issue that has not been applied yet to all associated ObsIds.

Status CLOSED (Resolved): the fix has been applied to all data and will be applied to all future data; the issue is closed.

Status DATA: The data issue stems from data corruption or a commanding error. There will be no software fix. The data will be custom processed with an operational workaround.

NOTE: an issue may have OPEN or FIXED status, while a given obsid with the same issue may have Closed (RESOLVED) status. This happens if the obsid has been reprocessed, while other obsid with the same issue may still be awaiting reprocessing.

Processing Status Tools and Related Sites