



REVISION

LABORATORY ENHANCED ARCHIVING
TECHNICAL RELEASE NOTES
AND
USER NOTES
Patch LR*5.2*59

Version 5.2

October 1996

Department of Veterans Affairs
Software Service
Clinical Ancillary Product Line

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Introduction

This documentation for Patch LR*5.2*59 is designed to provide the Department of Veterans Affairs Medical Center (VAMC), Information Resource Management Service (IRM), and the Laboratory Information Manager (LIM) with the necessary technical information required to install and implement Laboratory Enhanced Archiving. The User Notes section is a training and reference guide.

The purpose of this patch is to provide archiving, purging, and storage capabilities for the following Laboratory data files:

WORKLOAD DATA (#64.1)
LAB MONTHLY WORKLOADS (#67.9)

Menu Change

The Archive Lab Data options for the LAB DATA file (#63) that were under the Lab Liaison menu are now located under the new Archiving menu [LRAR ARCHIVE MAIN MENU]. The functionalities of the Archive Lab Data options are the same.

NOTE: This document is a revision of the November 1995 documentation for the Laboratory Enhanced Archiving. Please replace the old version with this October 1996 revision.

Installation Notes

The Laboratory Enhanced Archiving patch does not require any setup by the Laboratory Information Manager (LIM).

All users can remain on the system during the installation. However, be sure no one is using the current Laboratory Archiving options during the installation.

The initialization process for this patch at the test sites took approximately one minute during a period of relatively low system activity.

NOTE: Laboratory Version 5.2, FileMan V. 21, and patches DI*21*6, DI*21*8, DI*21*17, DI*21*27, and patch LR*5.2*105 *must* be installed before this patch.

KIDS Installation Instructions

This patch can be loaded with users on the system. Do not run installation while the current Laboratory Archiving options are in use. Installation will take less than three minutes.

1. Use the INSTALL/CHECK MESSAGE option on the PackMan menu.
2. From the Kernel Installation and Distribution System Menu, select the Installation menu.
3. From this menu, you may elect to use the following options (when prompted for INSTALL NAME, enter LR*5.2*59):
 - a. Backup a Transport Global option creates a backup message of any routines exported with the patch. It will *not* backup any other changes such as DDs or templates.
 - b. Compare Transport Global to Current System option allows you to view all changes made during the patch installation. It compares all components of the patch (routines, DDs, templates, etc.).
 - c. Verify Checksums in Transport Global option allows you to ensure the integrity of the routines that are in the transport global.
4. Use the Install Package(s) option and select the package LR*5.2*59.

Installation Notes

5. When prompted, Want to DISABLE Scheduled Options, Menu Options, and Protocols? YES//, respond NO.

6. MSM sites: answer YES when asked if you want to move the routines to other systems and indicate the appropriate CPUs.

7. Once the installation has run to completion, you may delete the LRARIPRE and LRARIPOS routines.

Installation Example

VA MailMan 7.1 service for LABUSER, ONE@DEV. VA.GOV
You last used MailMan: 9 Oct 96 10:31
You have 1 new message.

Subj: LR*5.2*59 [58844] 9 Oct 96 14:25 EDT 9034 Lines
From: <NPM [#20979431]@XXXXX.XX.XXX> in 'IN' basket. Page 1 **NEW**

-

\$TXT Created by LABUSER,ONE at DEV.VA.GOV (KIDS) on WEDNESDAY, 0
10/9/96 at 10:54

=====

Run Date: OCT 9, 1996	Designation: LR*5.2*59
Package: LR - LAB SERVICE	Priority: Mandatory
Version : 5.2	Status: Released

=====

...

Subject: ARCHIVING ENHANCEMENT

Category:
- Enhancement (Mandatory)

Description:

=====

...

Select MESSAGE Action: IGNORE (in IN basket)// **X**

Select PackMan function: ?

Answer with PackMan function NUMBER, or NAME
Choose from:

- | | |
|---|-----------------------------|
| 1 | ROUTINE LOAD |
| 2 | GLOBAL LOAD |
| 3 | PACKAGE LOAD |
| 4 | SUMMARIZE MESSAGE |
| 5 | PRINT MESSAGE |
| 6 | INSTALL/CHECK MESSAGE |
| 7 | INSTALL SELECTED ROUTINE(S) |
| 8 | TEXT PRINT/DISPLAY |

9

COMPARE MESSAGE

Select PackMan function: **6** INSTALL/CHECK MESSAGE

Installation Notes

Line 142 Message #58844 Unloading KIDS Distribution LR*5.2*59
LR*5.2*59.

Want to Continue with Load? YES//<RET>
Loading Distribution...

...

Select PackMan function:<RET>

Select MESSAGE Action: IGNORE (in IN basket)// ^

Select MailMan Menu Option: ^KIDS Kernel Installation & Distribution System

Select Kernel Installation & Distribution System Option: ?

Edits and Distribution ...
Utilities ...
Installation ...

Enter ?? for more options, ??? for brief descriptions, ?OPTION for help text.

Select Kernel Installation & Distribution System Option: **INSTALLATION**

Select Installation Option: ?

Load a Distribution
Print Transport Global
Compare Transport Global to Current System
Verify Checksums in Transport Global
Install Package(s)
Restart Install of Package(s)
Unload a Distribution
Backup a Transport Global

Enter ?? for more options, ??? for brief descriptions, ?OPTION for help text.

Select Installation Option: **BACKUP** a Transport Global

Select INSTALL NAME: LR*5.2*59 Loaded from Distribution

10/9/96@14:48:47

=> LR*5.2*59

This Distribution was loaded on Oct 15, 1996@14:48:47 with header of
LR*5.2*59
It consisted of the following Install(s):
LR*5.2*59

Subject: LR*5.2*59 BACKUP
Loading Routines for
LR*5.2*59.....
Send mail to: LABUSER, ONE Last used MailMan: 9 Oct 96 08:12
Select basket to send to: IN//<RET>
And send to:

Select Installation Option: **VERIFY** Checksums in Transport Global
Select INSTALL NAME: LR*5.2*59 Loaded from Distribution
10/15/96@14:48 :48
=> LR*5.2*59
DEVICE: HOME// **PRINTER**

PACKAGE: LR*5.2*59 Oct 15, 1996 2:48 am PAGE 1

-

50 Routine checked, 0 failed.

Select Installation Option: **INSTALL** Package(s)
Select INSTALL NAME: LR*5.2*59 Loaded from Distribution
10/15/96@14:49:40
=> LR*5.2*59

This Distribution was loaded on Oct 15, 1996@14:49:40 with header of
LR*5.2*59
It consisted of the following Install(s):
LR*5.2*59

Will first run the Environment Check Routine, LR59

Environment Check is Ok ---

Install Questions for LR*5.2*59

64.19999 ARCHIVED WKLD DATA
Note: You already have the 'ARCHIVED WKLD DATA' File.

67.99999 ARCHIVED LAB MONTHLY WORKLOADS
Note: You already have the 'ARCHIVED LAB MONTHLY WORKLOADS' File.

95.11 LAB ARCHIVAL ACTIVITY

Installation Notes

Want to DISABLE Scheduled Options, Menu Options, and Protocols? YES// **NO**

Enter the Device you want to print the Install messages.
You can queue the install by enter a 'Q' at the device prompt.
Enter a '^' to abort the install.

DEVICE: HOME// **<RET>**

Install Started for LR*5.2*59 :
Oct 15, 1996@14:51:50

Installing Routines
Oct 15, 1996@14:51:54

Running Pre-Install Routine: ^LRARIPRE

>>> Deleting OLD 'LAB' ARCHIVE FILES.

DELETING ARCHIVED WKLD DATA FILE.

DELETING ARCHIVED LAB MONTHLY WORKLOADS FILE.

DELETING ARCHIVED BLOOD INVENTORY FILE.

The data dictionaries for these files will be reinstalled during the inits.

Installing Data Dictionaries:
Oct 15, 1996@14:52:03

Installing PACKAGE COMPONENTS:

Installing SECURITY KEY

Installing PRINT TEMPLATE

Installing OPTION
Oct 15, 1996@14:52:17

Running Post-Install Routine: ^LRARIPOS>>> Deleting OLD 'LAB' ARCHIVING options in OPTION file.

LR ARCHIVE CLEAR

REMOVED from 'LR ARCHIVE MENU' menu...
'LR ARCHIVE CLEAR' REMOVED from OPTION file...

LR ARCHIVE DATA

REMOVED from 'LR ARCHIVE MENU' menu...
'LR ARCHIVE DATA' REMOVED from OPTION file...

LR ARCHIVE MENU

REMOVED from 'LR LIASON' menu...
REMOVED from 'LR LIAISON' menu...
'LR ARCHIVE MENU' REMOVED from OPTION file...

LR ARCHIVE NP CONVERSION

NOT ATTACHED TO ANY MENUS AS AN ITEM...NOTHING TO REPOINT OR DELETE!
'LR ARCHIVE NP CONVERSION' REMOVED from OPTION file...

LR ARCHIVE PURGE

NOT ATTACHED TO ANY MENUS AS AN ITEM...NOTHING TO REPOINT OR DELETE!
'LR ARCHIVE PURGE' REMOVED from OPTION file...

LR ARCHIVE READ MEDIA

NOT ATTACHED TO ANY MENUS AS AN ITEM...NOTHING TO REPOINT OR DELETE!
'LR ARCHIVE READ MEDIA' REMOVED from OPTION file...

LR ARCHIVE RESTORE

NOT ATTACHED TO ANY MENUS AS AN ITEM...NOTHING TO REPOINT OR DELETE!
'LR ARCHIVE RESTORE' REMOVED from OPTION file...

LR ARCHIVE SEARCH

NOT ATTACHED TO ANY MENUS AS AN ITEM...NOTHING TO REPOINT OR DELETE!
'LR ARCHIVE SEARCH' REMOVED from OPTION file...

LR ARCHIVE WRITE MEDIA

NOT ATTACHED TO ANY MENUS AS AN ITEM...NOTHING TO REPOINT OR DELETE!
'LR ARCHIVE WRITE MEDIA' REMOVED from OPTION file...

Removing Print template LR ARCHIVE EXTRACT 65
Removing Print template LR ARCHIVE EXTRACT 67.9
Removing Print template LR ARCHIVE EXTRACT 64.1

Linking LRAR ARCHIVE MAIN MENU option to LRLIAISON ...

Added option LRAR ARCHIVE MAIN MENU to LRLIAISON.

Installation of patch LR*5.2*59 completed.

Updating Routine file...

Updating KIDS files...

LR*5.2*59 Installed.

Oct 15, 1996@14:52:26-----

```

-----
100%  |-----+
Complete  +-----+

```

Install Completed

Routine Deletion

At the conclusion of the installation process, the following seven routines were moved to LRAR namespace and should be deleted:

```
LRCHIV  LRCHIV ;SLC/RWF - SET UP O("S") VARIABLES FOR ARCHIVE. ;2/5/91  12:30
LRCHIVD LRCHIVD;SLC/MRH/DALISC/FHS - DEARCHIVE FROM ^LAR TO ^LR ;2/5/91 12:31
LRCHIVE LRCHIVE;SLC/RWF - REMOVE OLD DATA FROM PT. FILE ;8/10/89  11:11 ;
LRCHIVK LRCHIVK;SLC/RWF - REMOVE OLD LAB DATA ; 12/14/87  15:46 ;
LRNPXA  LRNPXA ;SLC/MRH/FHS - NEW PERSON CONVERSION FOR ^LAR("Z" ; 1/23/93
LRNPXA0 LRNPXA0;SLC/MRH/FHS/J0 - NEW PERSON CONVERSION FOR ^LAR("Z" ; 1/23/93
LRNPXA1 LRNPXA1;SLC/MRH/FHS/JB0 - NEW PERSON CONVERSION FOR ^LAR("Z" ;
1/23/93
```

Post Installation Instructions

This section contains post installation instructions for IRM Service to implement the Lab Archiving once the LR*5.2*59 installation is complete.

All Sites

Security Key: IRM Service assigns the LRAR ARCHIVE key to persons who perform laboratory archiving functions. This key locks the Archiving Menu [LRAR ARCHIVE MAIN MENU] option.

NOTE: The Laboratory Information Manager (LIM) is responsible for designating security key assignments.

Data Dictionary Updates

LRAR is the package file entry namespace for Laboratory Enhanced Archiving Patch LR*5.2*59.

New File

There is one new file created with Laboratory Enhanced Archiving Patch LR*5.2*59:

LAB ARCHIVAL ACTIVITY file (#95.11) ^LAB (95.11,

This file stores information and status of lab data archiving activities.

New Fields

95.11,.01 ARCHIVE NUMBER NUMBER

This is a sequential number of an archive activity. Example: Archival activity number 1 would be the first archive performed.

95.11,1 FILE POINTER TO FILE

This is the source file.

95.11,2 SEARCH TEMPLATE POINTER TO SORT TEMPLATE FILE

This is the sort/search template for this archival activity.

95.11,3 PRINT TEMPLATE POINTER TO PRINT TEMPLATE FILE

This is the extract print template used in this archival activity.

95.11,4 SELECT DATE DATE

This is the select date of the archival activity.

95.11,5 ARCHIVER POINTER TO NEW PERSON FILE (#200)

This is the name of the user who is performing the archiving.

95.11,6 NUMBER OF ITEMS TO ARCHIVE NUMBER

This is the number of items to archive.

95.11,7 ARCHIVAL STATUS SET

This is the status of the archival activity.

95.11,7.5 SELECTOR POINTER TO NEW PERSON FILE (#200)
This is the person who selected entries for archival.

95.11.8 PURGER POINTER TO NEW PERSON FILE (#200)
This is the person who performs the purge.

95.11,9 ARCHIVE DATE DATE
This is the archive date of this archival activity.

95.11.10	PURGE DATE	DATE
This is the purge date of this archival activity.		

95.11.11 DATE LAST PRINTED DATE
This is the date that the listing of items to be archived was last printed.

95.11.12 ARCHIVING ACTION IN PROGRESS SET

Entry will be made here by the system when user begins performing some action to this archival activity and will be deleted when action is complete, to lock out other users.

95.11.13 DATE/TIME ACTIVITY BEGAN DATE
This is the date/time the archiving action currently in progress began.

95.11,14 USER PERFORMING ACTION POINTER TO NEW PERSON FILE
(#200)
This is the user that initiated the archiving action.

95.11,15	DESTINATION FILE	POINTER TO FILE
This field holds the number of the destination file for this archival activity.		

95.11.16 ARCHIVE DEVICE LABEL FREE TEXT
This field holds the label information that identifies your archival medium.

95.11,18 ARCHIVE TASK NUMBER FREE TEXT
This is the task number of the Archive data option for this Lab archival activity.

95.11.19	BEGINNING DATE	DATE
The selected date to begin archiving.		

95.11,20	ENDING DATE	DATE
The selected date to end archiving.		

New Extract Templates

LRAR ARCHIVE 67.9

LRAR ARCHIVE WKLD DATA 64.1

Updated Data Dictionaries

ARCHIVED WKLD DATA file (#64.19999)

ARCHIVED LAB MONTHLY WORKLOADS file (#67.99999)

Option Updates

New Options

There are 33 new options exported with Patch LR*5.2*59. Descriptions for the new options provided by this patch are as follows.

Lab Archival Activity Report

LRAR ARCHIVAL ACTIVITY
REPORT

This option allows you to print archival activity information. You may see archival performed, purges performed, the status of the activity, and entries that were not moved.

Routine: LRARREP

Archive Wkld Data file 64.1

NAME: LRAR ARCHIVE 64.1

This option allows you to archive data from WKLD DATA file (#64.1). Data in the specified date range moves to the ARCHIVED WKLD DATA file (#64.19999).

Routine: LRARWKD1

Archive Lab Monthly Workloads file 67.9

LRAR ARCHIVE 67.9

This option allows you to archive data from File #67.9 for archival purposes. Data in the specified date range moves to the ARCHIVED LAB MONTHLY WORKLOADS file (#67.99999).

Routine: LRARLMW1

Clear Data from the LAR Global

LRAR ARCHIVE CLEAR

Data found in the Search Archive option is temporarily removed by this option.

Routine: CLEAN^LRARCHIV

Find Patient's Archived data

LRAR ARCHIVE DATA

Once data for a patient is archived, the storage location of the data is saved with the patient's remaining data. This information can be found using this option.

Routine: FIND^LRARCHD

Archive Lab Data 63

LRAR ARCHIVE LAB DATA

Data from laboratory can be archived or restored with these options.

ITEM: LRAR ARCHIVE SEARCH	SYNONYM: 1
ITEM: LRAR ARCHIVE WRITE MEDIA	SYNONYM: 2
ITEM: LRAR ARCHIVE CLEAR	SYNONYM: 3
ITEM: LRAR ARCHIVE READ MEDIA	SYNONYM: 4
ITEM: LRAR ARCHIVE PURGE	SYNONYM: 5
ITEM: LRAR ARCHIVE DATA	SYNONYM: 6
ITEM: LRAR ARCHIVE RESTORE	SYNONYM: 8
ITEM: LRAR ARCHIVE NP CONVERSION	SYNONYM: 7

Archiving Menu

LRAR ARCHIVE MAIN MENU

NAME: LRAR ARCHIVE MAIN MENU	MENU TEXT: Archiving Menu
TYPE: menu	CREATOR: LABUSER, ONE
LOCK: LRAR ARCHIVE	PACKAGE: LABORATORY ARCHIVING
DESCRIPTION: This is the main menu for Lab archiving. Options in this menu include Archive lab data, Archive Wkld Data, and Archive Lab Monthly Workloads.	
ITEM: LRAR ARCHIVE LAB DATA	SYNONYM: ALD
DISPLAY ORDER: 1	
ITEM: LRAR ARCHIVE WKLD DATA	SYNONYM: AWD
DISPLAY ORDER: 2	
ITEM: LRAR ARCHIVE MONTHLY WKLD 67.9	SYNONYM: ALMW
DISPLAY ORDER: 3	
ITEM: LRAR ARCHIVE WKLD REPORTS	SYNONYM: AWR
DISPLAY ORDER: 4	
ITEM: LRAR ARCHIVAL ACTIVITY REPORT	SYNONYM: AAR
DISPLAY ORDER: 5	
ITEM: LRAR CANCEL ARCHIVAL ACTIVITY	SYNONYM: CAA
DISPLAY ORDER: 6	
ITEM: LRAR VERIFY FILES	SYNONYM: VF
DISPLAY ORDER: 8	
ITEM: LRAR DELETE ARCHIVED ENTRIES	SYNONYM: DEL
DISPLAY ORDER: 7	

Archive Lab Monthly Workloads 67.9

LRAR ARCHIVE MONTHLY WKLD 67.9

This is the menu to archive LAB MONTHLY WORKLOADS file (#67.9).

ITEM: LRAR SELECT ENTRIES 67.9	DISPLAY ORDER: 1
ITEM: LRAR ARCHIVE 67.9	DISPLAY ORDER: 2
ITEM: LRAR WRITE MEDIA 67.99999	DISPLAY ORDER: 3
ITEM: LRAR CLEAR 67.99999	DISPLAY ORDER: 4
ITEM: LRAR READ MEDIA 67.99999	DISPLAY ORDER: 5
ITEM: LRAR PURGE 67.9	DISPLAY ORDER: 6

Convert Archived Data to use NEW PERSON file LRAR ARCHIVE NP CONVERSION

After previously archived data is restored to the ^LAR global, run this option to convert any records that were not converted during the install of LAB V5.2. Do this before moving the data back into the ^LR global. Records previously converted will be unaffected.

Routine: LRARNPXA

Purge Data Found in the Search Option LRAR ARCHIVE PURGE

Data found in the Search Archive option is stored in the ^LAR global. Data is removed from the Lab Data file (#63) (^LR global) based on the data in the ^LAR global. The ^LAR data must be written to separate media, the Clear archive option run, the data read back from the media, then this option can be run to complete the archive. Note that the data is removed from both the ^LR and the ^LAR globals.

Routine: PURGE^LRARCHIV

Read Data from Off-line Media LRAR ARCHIVE READ MEDIA

After the ^LAR global is cleared, the data is read back in to verify and purge what has been archived.

Entry Action: W !,"The site manager should determine the method of data retrieval of the",!,"^LAR global."

Restore Archived Data to LR Global LRAR ARCHIVE RESTORE

Used to restore data into the LR global that has been archived.

Routine: LRARCHD

Search for Lab Data to Archive

LRAR ARCHIVE SEARCH

Data to be archived must be older than the beginning of the month three months ago, on a patient not currently on a ward, and on a permanent page. If the data is before the time specified above it will be purged if unverified. Microbiology, Anatomic Pathology, and Blood Bank data are not archived.

Routine: SEARCH^LRARCHIV

Archive Wkld Data 64.1

LRAR ARCHIVE WKLD DATA

This is the menu to archive WKLD DATA file (#64.1).

ITEM: LRAR SELECT ENTRIES 64.1	DISPLAY ORDER: 1
ITEM: LRAR ARCHIVE 64.1	DISPLAY ORDER: 2
ITEM: LRAR WRITE MEDIA 64.19999	DISPLAY ORDER: 3
ITEM: LRAR CLEAR 64.19999	DISPLAY ORDER: 4
ITEM: LRAR READ MEDIA 64.19999	DISPLAY ORDER: 5
ITEM: LRAR PURGE 64.1	DISPLAY ORDER: 6

Workload Reports from Archived Files

LRAR ARCHIVE WKLD REPORTS

This menu contains all archived workload reports.

ITEM: LRARCAM4
 ITEM: LRARCPTS
 ITEM: LRARCML
 ITEM: LRARCMA

Write Data to Off-line Media

LRAR ARCHIVE WRITE MEDIA

After having created entries in the ^LAR global, the data is written to off-line media for purposes of long term storage. ENTRY ACTION: W !,"The site manager should determine the method of data storage of the",!,"^LAR global."

Cancel Lab Archival Activity

LRAR CANCEL ARCHIVAL
ACTIVITY

This option allows you to cancel a lab archival activity. This is necessary if you begin the archival process and then decide not to purge.

Routine: ENTC^LRARU

Clear Archived Wkld Data file 64.19999

LRAR CLEAR 64.19999

This option clears the data from ARCHIVED WKLD DATA file (#64.19999). All data is removed from File #64.19999.

Routine: CLEAR^LRARWKD

Clear Archived Lab Monthly Workloads file 67.99999 LRAR CLEAR 67.99999

This option clears the data from the ARCHIVED LAB MONTHLY WORKLOADS file (#67.99999). All data is removed from File #67.99999.

Routine: CLEAR^LRARLMW

Delete Archived File Entries LRAR DELETE ARCHIVED
ENTRIES

This option deletes existing archived file entries in the Archived Wkld Data (#64.19999) or Archived Lab Monthly (#67.99999) files once the Lab archival activity is canceled.

Routine: DEL^LRARU

Purge Wkld Data file 64.1 LRAR PURGE 64.1

This option purges data from WKLD DATA file 64.1. Data is removed from File #64.1 based on the data in ARCHIVED WKLD DATA file (#64.19999). Once this option is run, the data cannot be restored electronically to File #64.1. This option also deletes all data from the File #64.19999.

Routine: LRARPW

Purge Lab Monthly Workloads file 67.9 LRAR PURGE 67.9

This option allows you to purge data from File #67.9 for archival purposes. The purging of data is based on the data in ARCHIVED LAB MONTHLY WORKLOADS file (#67.99999). Once this option is run, the data cannot be restored electronically to File #67.9. This option also deletes all data from the File #67.99999.

Routine: LRARPLM

Read Data from Off-line Media LRAR READ MEDIA 64.19999

After having cleared the entries in the ARCHIVED WKLD DATA file (#64.19999), the data can be read back in to verify what has been archived.

Entry Action: W!!, "The site manager should determine the method of data retrieval “,!,” of the Archived Wkld Data File #64.19999."

Read Data from Off-line Media

LRAR READ MEDIA 67.99999

After having cleared the entries in the ARCHIVED LAB MONTHLY WORKLOADS (#67.99999), the data should be read back in to verify what has been archived.

Entry Action: W!,"The site manager should determine the method of data retrieval",!,"of the ARCHIVED LAB MONTHLY WORKLOADS file (#67.9999)."

Select Entries to Archive 64.1

LRAR SELECT ENTRIES 64.1

This option allows you to select entries in the WKLD DATA file (#64.1) for archival by date. You can also print the entries selected.

Routine: LRARWKD

Select Entries to Archive

LRAR SELECT ENTRIES 67.9

This option allows you to select entries in the LAB MONTHLY WORKLOADS file (#67.9) for archival by date. You can also print the entries selected.

Routine: LRARLMW

Verify Files for Archiving

LRAR VERIFY FILES

This option allows the LIM to verify the data in either the WKLD DATA, or LAB MONTHLY WORKLOADS files. This option should be run *before* archiving any of these files. It is *very* important to fix the problems in the source data, or the records with bad data are not archived.

Routine: VER^LRARVER

Write Data to Off-line Media

LRAR WRITE MEDIA 64.19999

After having created entries in the ARCHIVED WKLD DATA file (#64.19999), the data should be written to off-line media for purposes of long term storage.

Entry Action: S LRART=64.1

Routine: WRITE^LRARU1

Write Data to Off-line Media

LRAR WRITE MEDIA 67.99999

After having created entries in the ARCHIVED LAB MONTHLY WORKLOADS file (#67.99999), the data should be written to off-line media for purposes of long-term storage.

ENTRY ACTION: S LRART=67.9

Routine: WRITE^LRARU1

Lab Monthly Workloads

LRARCAM4

This option provides a report based on treating specialty codes. This report is derived from the ARCHIVED LAB MONTHLY WORKLOADS file (#67.99999).

Routine: LRARCAM4

Workload Statistics By Major Section

LRARCMA

Archived workload report summed by LAB division, major section and subsection.

Routine: LRARCMA

Workload Cost Report By Major Section

LRARCML

Archived workload report summed by major section and lab subsection.

Routine: LRARCML

Treating Specialty Workload Report

LRARCPTS

Archived Treating Specialty WKLD Workload report.

Routine: LRARCPTS

Option Name Changes

Old Option	New Option
LR ARCHIVE CLEAR	LRAR CLEAR
LR ARCHIVE DATA	LRAR ARCHIVE
LR ARCHIVE MENU	LRAR ARCHIVE MAIN MENU
LR ARCHIVE NP CONVERSION	LRAR ARCHIVE NP CONVERSION
LR ARCHIVE PURGE	LRAR PURGE
LR ARCHIVE READ MEDIA	LRAR READ MEDIA
LR ARCHIVE RESTORE	LRAR ARCHIVE RESTORE
LR ARCHIVE SEARCH	LRAR ARCHIVE SEARCH
LR ARCHIVE WRITE MEDIA	LRAR WRITE MEDIA

Routines

There are 50 routines (49 new, and 1 modified) associated with this patch:

New Routines

LRARC1	LRARC1A	LRARCAM4	LRARCAM5	LRARCAM6	LRARCAM7	LRARCAM8	
LRARCAM9							
LRARCHD	LRARCHE	LRARCHIV	LRARCHK	LRARCMA	LRARCMA1	LRARCMA2	
LRARCMA3							
LRARCML	LRARCML1	LRARCML2	LRARCML3	LRARCMR	LRARCMR1	LRARCMR2	
LRARCPTS							
LRARCR1	LRARCR1A	LRARCR2	LRARCR3	LRARCR3A	LRARCR3B	LRARCR4	
LRARCTS1							
LRARCU	LRARIPOS	LRARIPRE	LRARLMW	LRARLMW1	LRARNPX	LRARNPX0	
LRARNPX1							
LRARNTG	LRARPLM	LRARPW	LRARREP	LRARU	LRARU1	LRARVER	LRARWKD
LRARWKD1							

Modified Routine

LRCAPML

Integration Agreement

The integration agreement for Laboratory Enhanced Archiving is listed on the Data Base Administrator (DBA) menu on FORUM. Use the Inquire option on the Integration Agreements menu to examine DBIA# 1618 on the VA FILEMAN Custodial Package.

User Notes

The Laboratory Enhanced Archiving Patch LR*5.2*59 provides archiving capability for the following Laboratory files:

- WKLD DATA (#64.1)
- LAB MONTHLY WORKLOADS (#67.9)

The benefit of archiving workload data is to regain disk space from the ^LRO global. The archive stores the data in resolved format so that additional files are not needed to utilize the archived data.

The FileManager Extract Tool is used to move the data from the source file to a destination (archive) file. If the data is a pointer value, the Extract Tool transforms the data so that it is in the resolved textual state once it is transferred to the destination file. You can restore data from the archive file to a medium of choice. After the data from the archive file has been copied to external media, the data can then be purged from the source file. Once the data is purged from the source file, it is not possible to restore the data to the source.

The data from the storage media can be restored to the archive file. The data dictionary for the archive file contains no pointer fields.

Reporting capabilities include workload reports from archived workload files. For extended search and reporting capabilities, it may be advantageous to store the data to an off-line medium. The data may then be manipulated by several application software, for example, Access, Excel, Word, etc.

CAUTION

- **The Verify and Archive options are very resource intensive and should be queued to run during off hours and with a low priority.**
- **Be sure to queue the Archive Wkld Data 64.1 option during hours of low activity because of possible effects on system performance.**
- **The archive temporarily requires additional disk space. Source data of 1K requires 1 to 1.5K to store the data in the archived data files, ARCHIVED WKLD DATA (#64.19999) and ARCHIVED LAB MONTHLY WORKLOADS (#67.99999). These archived data files are stored in the ^LAR global. You need to ensure that there is enough disk space before archiving.**

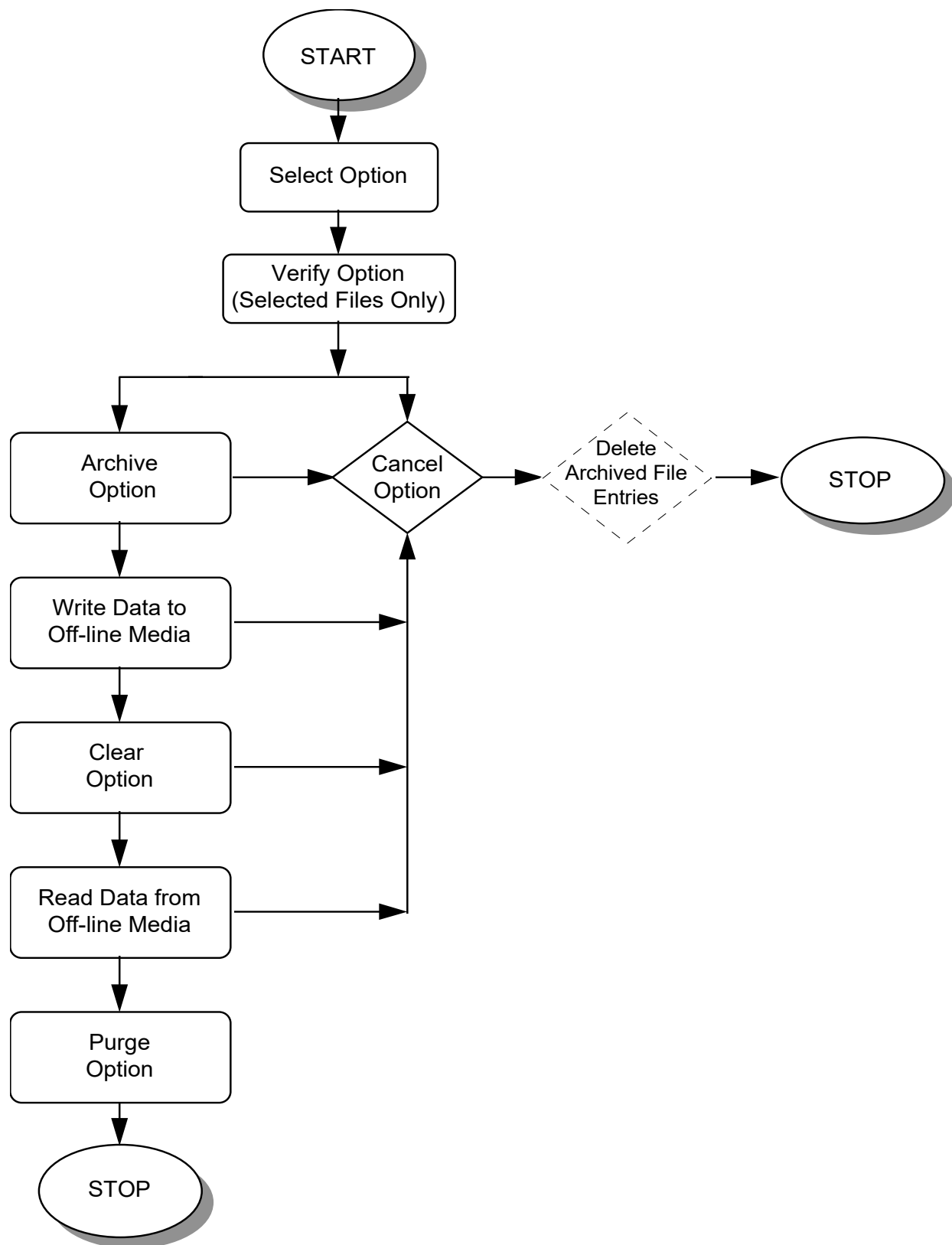
NOTES

- A file can have only *one* archival activity at a time. A second archive from a file cannot be performed until the active archival activity is completed either by purging or canceling.
- The LAB ARCHIVAL ACTIVITY file (#95.11), which is a new file, contains a brief history that describes who performed the various archival activity steps and when the steps were completed.
- You can cancel your archival activity, by using the Cancel option, at any time before the Purge option.
- To access the archiving options you must own the LR SUPERVISOR, LR LIAISON, and LRAR ARCHIVE security keys.
- The archiving process temporarily uses additional disk space and if disk space is already critical, sufficient space may not be available for archiving.
- It is recommended to archive data on a quarterly basis. Archive job should be queued to run during off-hours and at a low priority.

Menu Change

The Archive Lab Data options for the LAB DATA file (#63) that were under the Lab Liaison menu are now located under the new Archiving menu [LRAR ARCHIVE MAIN MENU]. The functionalities of the Archive Lab Data options are the same, only the namespace and location are changed.

Archival Process



Lab Archival Activity

Lab archival activity is tracked using the new LAB ARCHIVAL ACTIVITY file (#95.11). This file holds the following information:

- the internal entry number of the NEW PERSON file (#200) (DUZ) of the individual performing the archival activity
- the status of the archival activity (e.g., ARCHIVED, PURGED, or CLEARED)
- the dates on which the archival activities were performed
- the number of entries archived
- the source file number
- the search/sort and print templates used in the archival activity

This information is retrieved by using the Lab Archival Activity Report option.

Steps to Complete Archival Activity

For an archival activity to be completed the following options must be performed:

1. Select (using the appropriate Select Entries to Archive options)
2. Verify (using the Verify Files for Archiving option)
3. Archive (using the appropriate new Archive options)
4. Write data to off-line media (using the appropriate Write Data to Off-line Media options)
5. Clear (using the appropriate Clear Archived options)
6. Read data from off-line media (using the appropriate Read Data from Off-line Media options)
7. Purge (using the appropriate Purge options)

How to Access Archiving Options

```

Supervisor menu  [LRSUPERVISOR]
  Lab Liaison menu  [LRLIASON]
    Archiving Menu  [LRAR ARCHIVE MAIN MENU]
      ALD      Archive lab data 63 ...
      AWD      Archive Wkld Data 64.1 ...
      ALMW     Archive Lab Monthly Workloads 67.9 ...
      AWR      Workload Reports from Archived Files ...
      AAR      Lab Archival Activity Report
      CAA      Cancel Lab Archival Activity
      DEL      Delete Archived File Entries
      VF       Verify Files for Archiving

```

Option Examples

NOTE: For demonstration purposes, we have selected the sub options under the Archive Wkld Data 64.1. The functionalities of the sub options for Archive Lab Monthly Workloads 67.9 are similar.

The archival process consists of the following options:

Select Entries to Archive 64.1

The Select Entries to Archive 64.1 option initiates the archival activity. The entries are selected and an entry in the Lab Archival Activity file is created. After you use this option, the LAB ARCHIVAL ACTIVITY file (#95.11) entry is marked with the status of *selected*. If an unfinished archival activity exists for a file and you select this same file for a subsequent archival activity, you see the following message:

```

There is an outstanding archival activity.
Please finish or cancel this activity before you begin another.

```

This option selects the entries for archiving. The user enters a range of dates or other selection criteria for data to be archived. Printing of entries selected is optional. The user can select which fields to print.

Example

This option allows you to select entries in the WKLD DATA file (#64.1) for archival by date. You can optionally print the selected entries and choose which fields to print.

Select Archive Wkld Data 64.1 Option: **SELECT** Entries to Archive 64.1

First enter a date range selection to archive the WKLD DATA file (64.1).

**** Date Range Selection ****

Beginning DATE: **1 1 96** (JAN 01, 1996)

Ending DATE: **3 31 96** (MAR 31, 1996)

WOULD YOU LIKE TO PRINT SELECTED ENTRIES? YES// <RET>

FIRST PRINT FIELD: .01 INSTITUTION

THEN PRINT FIELD: **DATE** (multiple)

```

      THEN PRINT DATE SUB-FIELD: .01  DATE

```

THEN PRINT DATE SUB-FIELD: <RET>

THEN PRINT FIELD: <RET>

DEVICE: PRINTER

WKLD DATA LIST

JUL 12, 1996 08:53 PAGE 1

INSTITUTION

DATE _____

XXXXXXX,XX	JAN 4,1996
XXXXXXX,XX	MAR 19,1996
XXXXXX, XX	JAN 3,1996
XXXXXX, XX	JAN 4,1996
XXXXXX, XX	JAN 22,1996
XXXXXX, XX	FEB 12,1996
XXXXXX, XX	FEB 14,1996
XXXXXX, XX	FEB 21,1996
XXXXXX, XX	FEB 22,1996
XXXXXX, XX	FEB 27,1996
XXXXXX, XX	MAR 11,1996
XXXXXX, XX	MAR 13,1996
XXXXXX, XX	MAR 18,1996
XXXXXX, XX	MAR 19,1996
XXXXXX, XX	MAR 22,1996
XXXXXXX X	JAN 10,1996
XXXXXXX X	JAN 26,1996
XXXXXXX X	FEB 6,1996
XXXXXXX X	FEB 15,1996
XXXXXXX X	MAR 4,1996
XXXXXXX X	MAR 13,1996
XXXXXXX X	JAN 1,1996
XXXXXXX X	JAN 3,1996
XXXXXXX X	JAN 4,1996

User Notes

XXXXXX X

JAN 5, 1996

Cancel Option

You can cancel an archival activity any time before the entries are purged by using the Cancel option. This is necessary if you begin the archival process and then decide not to purge.

After you cancel an archival activity, the LAB ARCHIVAL ACTIVITY file (#95.11) reference to the archival activity is deleted.

NOTES

- To delete archived file entries, press **<RET>** at the Delete the archived file entries created by this lab archival activity? YES// prompt.
- To retain the archived file entries without purging data from the source file, enter NO at the prompt.
- To delete the retained archived file entries before beginning another archival activity, use the Delete Archived File Entries option.

Example

Select Archiving Menu Option: **CANCEL** Lab Archival Activity
CANCEL WHICH LAB ARCHIVING SELECTION: ??

Choose from:

1	WKLD DATA	07-11-96	LABUSER, ONE	PURGED	LABUSER, ONE
2	WKLD DATA	07-13-96	LABUSER, TWO	ARCHIVED	LABUSER, TWO
3	LAB MONTHLY WORKLOADS	07-13-96	LABUSER, ONE	PURGED	

LABUSER, ONE

CANCEL WHICH LAB ARCHIVING SELECTION: **2** WKLD DATA 07-13-96
LABUSER, TWO ARCHIVED LABUSER, TWO

Are you sure you want to CANCEL this LAB ARCHIVING ACTIVITY? NO// **YES**

This archival activity has already updated the archived file.

Delete the archived file entries created by this lab archival activity? YES//
<RET>

I will now CLEAR out the global.

>>> DONE <<<

Delete Archived File Entries Option

This option deletes retained archived file entries in the Archived Wkld Data (#64.19999) or Archived Lab Monthly (#67.99999) files once the laboratory archival activity is canceled.

Example

Select Archiving Menu Option: **DELETE** Archived File Entries

Select one of the following:

- 1 ARCHIVED WKLD DATA
- 2 ARCHIVED LAB MONTHLY WORKLOADS

FILE: **1** ARCHIVED WKLD DATA

I will now CLEAR out the global.

Done.

Verify Files for Archiving

- Select the file you want to verify, WKLD DATA, or LAB MONTHLY WORKLOADS.
- Select either the whole file or selected entries to archive. To verify only selected entries, you must select entries to archive before running this option. Verifying the whole file is not recommended because of the lengthy processing time.
- Select device to print the report.

Example

Select Archiving Menu Option: **VF** Verify Files for Archiving

Select one of the following:

- | | |
|---|-----------------------|
| 1 | WKLD DATA |
| 2 | LAB MONTHLY WORKLOADS |

FILE: **1** WKLD DATA

Select one of the following:

- | | |
|---|--------------------------------|
| 1 | WHOLE FILE |
| 2 | Selected entries for archiving |

NUMBER: **2** Selected entries for archiving

DEVICE: HOME// PRINTER

Verify Fields	File: 64.1 WKLD DATA	JUL 12, 1996	PAGE 1
Entry #	Name		
Field Name (Field #)	Type	ERROR	

578	578		
2960227	2960227 (DATE)		
70	70 (WKLD CODE)		
817	817 (ACCESSION WKLD CODE TIME)		
TREATING SPECIALITY (#16)	POINTER	No 'B' in pointed-to File	
578	578		
2960227	2960227 (DATE)		
329	329 (WKLD CODE)		
817	817 (ACCESSION WKLD CODE TIME)		
TREATING SPECIALITY (#16)	POINTER	No 'B' in pointed-to File	
578	578		
2960322	2960322 (DATE)		
70	70 (WKLD CODE)		
700	700 (ACCESSION WKLD CODE TIME)		
TREATING SPECIALITY (#16)	POINTER	No 'P' in pointed-to File	
578	578		
2960322	2960322 (DATE)		
329	329 (WKLD CODE)		

User Notes

700 700 (ACCESSION WKLD CODE TIME)
TREATING SPECIALITY (#16) POINTER No 'P' in pointed-to File

NOTE: The next step is the Archive option. Before you can run the Archive option, you must run the Select Entries option.

Select Archiving Menu Option: **AWD** Archive Wkld Data 64.1

Select Entries to Archive 64.1
 Archive Wkld Data file 64.1
 Write Data to Off-line Media
 Clear Archived Wkld Data file 64.19999
 Read Data from Off-line Media
 Purge Wkld Data file 64.1

Archive Wkld Data file 64.1

This option calls the FileMan Extract Tool to copy the data from the source file to the archived data file. All entries within the date range or other selection criteria are copied to an archived data file. If the data is a pointer value, it is copied in its resolved textual form.

Archive Workload Data Task Statistics

The following information shows a queued and interactive session for one day of data at an alpha site.

Session 1: Queued

Global Archived	^LRO(64.1,583,1,2960919)
Queued Start Time	1800 hours
Time Completed	2233 hours
Elapsed Time	4 hours 33 minutes
Block Size	887 blocks

Archived file size: ^LAR(64.19999) block size: 1841 blocks

Session 2: Interactive

Global Archived	^LRO(64.1,583,1,2960919)
Start Time	1055 hours
Time Completed	1213 hours
Elapsed Time	1 hour 58 minutes
Block Size	897 blocks

Archived file size: ^LAR(64.19999) block size: 1838 blocks

NOTE: This job should be queued to run during off hours and at a low priority.

Example:

Select Archive Wkld Data 64.1 Option: ARCHIVE Wkld Data file 64.1

You should not archive or purge until DSS extraction has been completed.
Please consult with DSS coordinator.

Archiving WKLD DATA file

Beginning date: JAN 1,1996

Ending date: MAR 31,1996

ARE YOU SURE YOU WANT TO CONTINUE? NO// **YES**

Start archiving and PRINT error report on device: **PRINTER**

The following records in the file were not moved because of one or more errors:

Entry # 700029 was NOT processed because:

The value '700029' is not a valid pointer to File #4.

Entry # 2960227,578, was NOT processed because:

The value 'B' is not a valid pointer.

Entry # 2960322,578, was NOT processed because:

The value 'P' is not a valid pointer.

*** PLEASE KEEP THIS FOR FUTURE REFERENCE ***

Write Data to Off-line Media

The data in the archived data file is transferred to off-line media. The site manager determines the method of data storage of the archived data file. This option checks the status of the tasked archive job for completion and provides the opportunity to enter the archive device label into the LAB ARCHIVAL ACTIVITY file (#95.11).

NOTE: When moving data to a PC to manipulate with FileMan, include the data dictionary and data in the archived file. In this case, use KIDS to generate a build that contains the data and the data dictionary. You can then save the build to off-line media. When retrieving data from long term storage, this ensures the data dictionaries are the same. For more information regarding KIDS, refer to the Kernel V. 8.0 Systems Manual.

Example 1: Incomplete Tasked Archive Job

Select Archive Wkld Data 64.1 Option: Write data to off-line media

The site manager should determine the method of data storage of the Archived Wkld Data File 64.19999

I cannot find an archival activity for this file in the archived status.

The following Archival Activity is in progress--no access allowed!

JUL 14, 1996@13:49:32 STARTED: JUL 14,1996@13:49:32 BY: LABUSER, ONE

Example 2: Completed Tasked Archive Job

Select Archive Wkld Data 64.1 Option: **WRITE** data to off-line media

The site manager should determine the method of data storage of the Archived Wkld Data File 64.19999

ARCHIVE DEVICE LABEL: **ARCHIVE WKLD DATA 7/14/96 SS**

NOTE: The next step is the Clear option. Before you can run the Clear option, you must run the Archive option.

Clear Archived Wkld Data file 64.19999

This option deletes the data in the archived data file.

Example

```
Select Archive Wkld Data 64.1 Option: CLEAR Archived Wkld Data file 64.19999
```

```
This will clear the data from the Archived Wkld Data file.  
ARE YOU SURE YOU WANT TO DO THIS? YES// <RET>
```

```
I will now CLEAR out the global.
```

```
>>> DONE <<<
```

Read Data from Off-line Media

The archived data file is read from the off-line media to verify the readability of the backup. The site manager should determine the method of data retrieval of the file.

Example

```
Select Archive Wkld Data 64.1 Option: READ data from off-line media
```

```
The site manager should determine the method of data retrieval  
of the Archived Wkld Data File 64.19999.
```

NOTE: The next step is the Purge option. Before you can run the Purge option, you must run the Clear option.

Purge Wkld Data file 64.1

This option purges the records in the source file that were moved successfully into the archived data file. Once this option is run, the archived data file is cleared.

Example

Did you make a backup of the ARCHIVED WKLD DATA file (64.19999)? **YES**

Did you check the backup of the ARCHIVED WKLD DATA file? **YES**

Okay to delete WKLD DATA entries? **YES**

Purging...

DONE.

I will now CLEAR out the Archived Workload Data global.

>>>DONE<<<

Workload Reports from Archived Files

These reports are similar to the Workload Reports option, in Laboratory V. 5.2, except for the modifications to print from the archived data files.

Lab Monthly Workloads Report

Example

Select Workload Reports from Archived Files Option: **Lab** Monthly Workloads
Select Division: XXXXXX X// **<RET>** TEXAS 7000
Select Month: **3 96** MAR 1996
Select Month: **<RET>**

Select one of the following:

- 1 All workload
- 2 LMIP reportable workload
- 3 Non-LMIP workload

Enter the number for the workload data to report: 1// **<RET>** All workload

Select one of the following:

- 1 CDR report

Enter the number for the report(s) you want printed: 1// **<RET>** CDR report

CDR format selection:

Select one of the following:

- 1 Detailed report
- 2 Summary report

Enter response: **1** Detailed report

DEVICE: **PRINTER**

DO YOU WANT YOUR OUTPUT QUEUED? NO// **YES** (YES)

Requested Start Time: NOW// **<RET>** (OCT 11, 1996@12:32:50)

ARCHIVED RCS-CDR/LMIP REPORT

ALL WORKLOAD DATA FOR:

MAR 1996

Page 1

Total Count for Report = 30

PTF Treating Specialty

[1110]	CARDIOLOGY = 1	3.3 %	
[1110]	PULMONARY, NON-TB = 18		60.0 %
[1610]	INTERMEDIATE MEDICINE = 9		30.0 %
[2000]	AMBULATORY CARE = 2		6.7 %

ARCHIVED RCS-CDR/LMIP REPORT
ALL WORKLOAD DATA FOR:

MAR 1996

Page 2

Total Count for Report = 30

Service Listing

INTERMEDIATE MED = 9	30.0 %
MEDICINE = 19	63.3 %
[2000] AMBULATORY CARE = 2	6.7 %

ARCHIVED RCS-CDR/LMIP REPORT
ALL WORKLOAD DATA FOR:

MAR 1996

Page 3

Total Count for Report = 30

Billing Bed Section

GENERAL MEDICAL CARE = 19	63.3 %
INTERMEDIATE CARE = 9	30.0 %
[2000] AMBULATORY CARE = 2	6.7 %

++Ab ID w Antihuman CNT = 2		
[1110] PULMONARY, NON-TB	1	50.0 %
+Antibody Detection Type & Scr CNT = 16		
[1110] PULMONARY, NON-TB	6	37.5 %
[1610] INTERMEDIATE MEDICINE	2	12.5 %
ABO Cell Serum and Rh(D) CNT = 16		
[1110] CARDIOLOGY	1	6.3 %
[1110] PULMONARY, NON-TB	4	25.0 %
[1610] INTERMEDIATE MEDICINE	3	18.8 %
Antihuman Globulin Test CNT = 15		
[1110] PULMONARY, NON-TB	5	33.3 %
Autopsy Attendant CNT = 2		
[2000] AMBULATORY CARE	1	50.0 %
Compatibility Test Crossmatch CNT = 9		
[1110] PULMONARY, NON-TB	2	22.2 %
[1610] INTERMEDIATE MEDICINE	1	11.1 %
Extraction w Organic Solvent CNT = 6		
[1610] INTERMEDIATE MEDICINE	3	50.0 %
Initial Handling Clerical Aut CNT = 2		
[2000] AMBULATORY CARE	1	50.0 %

User Notes

Venipuncture Travel Time CNT = 0

Treating Specialty Workload Report

Example

Select Workload Reports from Archived Files Option: **TREATING** Specialty
Workload Report

Would you like the report in PTF Treating Specialty ? No// **<RET>** (No)
SELECT ALL INSTITUTIONS? YES// **NO**
Select ARCHIVED WKLD DATA INSTITUTION: XXXXXX X// **<RET>**

BEGINNING DATE/TIME: T-31//**6 1 96** (JUN 01, 1996)
ENDING DATE/TIME: T//**9 30 96** (SEP 30, 1996)

Select one of the following:

Y	YES
N	NO

Do you want to select accession areas (YES or NO) : NO// **<RET>**

SUMMARY REPORT ONLY? NO// **YES**

DEVICE: **PRINTER**

TREATING SPECIALTY ARCHIVED WORKLOAD REPORT

XXXXXX X

PAGE 1

REPORT DATE RANGE: JUN 1,1996 - SEP 30,1996

SUMMARY

TREATING SPECIALTY	UNIT COUNT	%	TOTAL COST	%
CARDIOLOGY	16	14.3	12.30	10.4
EMERGENCY ROOM	4	3.6	3.40	2.9
MEDICINE	92	82.1	102.05	86.7

Workload Cost Report by Major Section

Example

Select Workload Reports from Archived Files Option: **WORKLOAD** Cost Report By Major Section

PRINT THE COMMENT PAGES? NO// **<RET>**

SELECT ALL INSTITUTIONS? YES// **NO**

Select ARCHIVED WKLD DATA INSTITUTION: XXXXXX X// **<RET>**

BEGINNING DATE/TIME: T-31//**6 1 96** (JUN 01, 1996)

ENDING DATE/TIME: T//**9 30 96** (SEP 30, 1996)

Select one of the following:

Y	YES
N	NO

Do you want to select accession areas (YES or NO) : NO// **<RET>**

SUMMARY REPORT ONLY? NO// **YES**

DEVICE: **PRINTER**

.....

ARCHIVED WORKLOAD COST REPORT BY MAJOR SECTION
REPORT DATE RANGE: JUN 1,1996 - SEP 30,1996

Page 1

COMBINED SUMMARY						
MAJOR SECTION	LAB SUBSECTION	UNIT COUNT	%	TOTAL COST	%	
BLOOD BANK	BLOOD BANK	1	0.8	0.00	0.0	
CHEMISTRY	SPEC CHEMISTRY	63	48.1	12.90	11.0	
CHEMISTRY	CHEMISTRY	48	36.6	91.05	77.3	
CHEMISTRY	MANUAL CHEM	3	2.3	3.00	2.5	
HEMATOLOGY	COAG	1	0.8	0.00	0.0	
HEMATOLOGY	DIFFS, PLT. EST	6	4.6	4.40	3.7	
MICROBIOLOGY	MICROBIOLOGY	4	3.1	6.40	5.4	
MICROBIOLOGY	URINALYSIS	5	3.8	0.00	0.0	

COMBINED GRAND TOTAL	131	117.75
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User Notes

ARCHIVED WORKLOAD INPUT MANUALLY Page 2
 REPORT DATE RANGE: JUN 1,1996 - SEP 30,1996
 [Includes all manual archived workload data for date range]

Workload Procedure	Code	STANDARD	QC	REPEAT	MANUAL
+ABO Cell and Rh(D) Typing~S-P	86081.3387	3	2	12	0
+Sodium~ABBOTT TDX	84295.3049	3	2	12	0
+Sodium~SYNCHRON CX3	84295.3120	0	1	0	0
ABO Cell Serum and Rh(D)	86082.0000	1	2	3	4
Concentration of Specimen Dial	82062.0000	3	2	12	0
Extraction w Organic Solvent	82063.0000	0	1	0	0
Osmotic fragility~ABBOTT TDX	.3049	0	2	0	0
Venipuncture Outpatient	89343.0000	0	0	0	30
Venipuncture Travel Time	89341.0000	0	0	0	21
Grand SQRM Totals:		10	12	39	55

Workload Statistics by Major Section

Example

Select Workload Reports from Archived Files Option: **Workload** Statistics By Major Section

PRINT THE COMMENT PAGES? NO//<RET>

SELECT ALL INSTITUTIONS? YES// **NO**

Select ARCHIVED WKLD DATA INSTITUTION: XXXXXX X//<RET>

BEGINNING DATE/TIME: T-31//**6 1 96** (JUN 01, 1996)

ENDING DATE/TIME: T//**9 30 96** (SEP 30, 1996)

Select one of the following:

Y	YES
N	NO

Do you want to select accession areas (YES or NO) : NO// <RET>

SUMMARY REPORT ONLY? NO//<RET>

DEVICE: **PRINTER**

.....

ARCHIVED WORKLOAD STATISTICS BY MAJOR SECTION Page 1
REPORT DATE RANGE: JUN 1,1996 - SEP 30,1996

-
COMBINED SUMMARY

MAJOR SECTION	LAB SUBSECTION		TOTAL
BLOOD BANK	BLOOD BANK	NUMBER :	1
		PERCENT :	0.8
CHEMISTRY	SPEC CHEMISTRY	NUMBER :	63
		PERCENT :	48.1
CHEMISTRY	CHEMISTRY	NUMBER :	48
		PERCENT :	36.6
CHEMISTRY	MANUAL CHEM	NUMBER :	3
		PERCENT :	2.3
HEMATOLOGY	COAG	NUMBER :	1
		PERCENT :	0.8
HEMATOLOGY	DIFFS, PLT. ES	NUMBER :	6
		PERCENT :	4.6
MICROBIOLOGY	MICROBIOLOGY	NUMBER :	4
		PERCENT :	3.1
MICROBIOLOGY	URINALYSIS	NUMBER :	5

User Notes

PERCENT : 3.8

GRAND TOTAL 131

ARCHIVED WORKLOAD INPUT MANUALLY

Page 2

REPORT DATE RANGE: JUN 1,1996 - SEP 30,1996

[Includes all manual archived workload data for date range]

Workload Procedure	Code	STANDARD	QC	REPEAT	MANUAL
-					
+ABO Cell and Rh(D) Typing~S-P	86081.3387	3	2	12	0
+Sodium~ABBOTT TDX	84295.3049	3	2	12	0
+Sodium~SYNCHRON CX3	84295.3120	0	1	0	0
ABO Cell Serum and Rh(D)	86082.0000	1	2	3	4
Concentration of Specimen Dial	82062.0000	3	2	12	0
Extraction w Organic Solvent	82063.0000	0	1	0	0
Osmotic fragility~ABBOTT TDX	.3049	0	2	0	0
Venipuncture Outpatient	89343.0000	0	0	0	30
Venipuncture Travel Time	89341.0000	0	0	0	21
Grand SQRM Totals:		10	12	39	55

Lab Archival Activity Report

This option allows you to print archival activity data. You can see archival performed and purges performed, the status of the activity, error and exception report for an archival activity. An exception is when an item in the source file could not be moved to the destination file. The exceptions are listed under The following records in the file were not moved because of one or more errors:. Be sure to check for errors and exceptions *before* moving data to off-line media.

Example

```
Select LAB ARCHIVAL ACTIVITY ARCHIVE NUMBER:    37      WKLD DATA    07-12-
96
      LABUSER, ONE      ARCHIVED LABUSER, ONE
DEVICE: HOME// PRINTER
```

```

                                ARCHIVAL ACTIVITY REPORT                                Page
1
                                                                                      Date/Time
Printed
                                                                                      JUL
15,1996@08:53
```

```
ARCHIVE NUMBER: 37
FILE: WKLD DATA
DESTINATION FILE: ARCHIVED WKLD DATA
ARCHIVAL STATUS: ARCHIVED
SELECT DATE: JUL 12, 1996
SELECTOR: LABUSER, ONE
ARCHIVE DATE: JUL 12, 1996
ARCHIVER: LABUSER, ONE
ARCHIVE TASK NUMBER:
PURGE DATE:
PURGER:
ARCHIVE DEVICE LABEL:
BEGINNING DATE: JAN 01, 1996
ENDING DATE: MAR 31, 1996
```

The following records in the file were not moved because of one or more errors:

```
Entry # 700029 was NOT processed because:
    The value '700029' is not a valid pointer to File #4.

Entry # 2960227,578, was NOT processed because:
    The value 'B' is not a valid pointer.

Entry # 2960322,578, was NOT processed because:
    The value 'P' is not a valid pointer.
```

User Notes

*** PLEASE KEEP THIS FOR FUTURE REFERENCE ***

Appendix

Archiving Menu [LRAR ARCHIVE MAIN MENU]

ALD Archive lab data 63

- | 1 Search for lab data to archive
- | 2 Write data to off-line media
- | 3 Clear data from the LAR global
- | 4 Read data from off-line media
- | 5 Purge data found in the Search option
- | 6 Find patient's archived data
- | 7 Convert archived data to use New Person file
- | 8 Restore archived data to LR global

AWD Archive Wkld Data 64.1

- | Select Entries to Archive 64.1
- | Archive Wkld Data file 64.1
- | Write Data to Off-line Media
- | Clear Archived Wkld Data file 64.19999
- | Read Data from Off-line Media
- | Purge Wkld Data file 64.1

ALMW Archive Lab Monthly Workloads 67.9

- | Select Entries to Archive
- | Archive Lab Monthly Workloads file 67.9
- | Write Data to Off-line Media
- | Clear Archived Lab Monthly Workloads file 67.99999
- | Read Data from Off-line Media
- | Purge Lab Monthly Workloads file 67.9

AWR Workload Reports from Archived Files

- | Lab Monthly Workloads
- | Treating Specialty Workload Report
- | Workload Statistics By Major Section
- | Workload Cost Report By Major Section

AAR Lab Archival Activity Report

CAA Cancel Lab Archival Activity

DEL Delete Archived File Entries

VF Verify Files for Archiving