

Papco General Instructions:

Papco is a IDL software package in which users can put their own modules to display their own data alongside that of other instruments. It consists of a core set of graphics software with modules that individual instrument teams have written.

Papco Core Software Installation:

Go to the following web page and get the most recent Papco core software:

http://leadbelly.lanl.gov/ccr/software/papco/papco_source/

The site,

<http://leadbelly.lanl.gov/ccr/software/papco/papco/papco.html> is the users guide. Chapter 3 describes the installation of the Papco software.

Chapter 3.6 Start up summary, describes how to start the program and set any variables needed.

Instrument Modules Installation:

After the papco software and your personal papco_user directory are installed and the proper files are edited, the individual instrument modules can be installed. They usually reside at the institution of the instrument. Ours are available off of our MIMI web site. <http://sd-www.jhuapl.edu/CASSINI/soft/>

If multiple people at your institution are going to use the modules, they should be put in <papco software>/papco_modules directory where everyone can use them. Any that are to be edited by you should be put in your <papco_user directory>/papco_user_modules where other people will not be able to edit them.

MIMI Data:

MIMI data can be accessed in multiple ways. Please contact Martha Kusterer at 443-778-7276 or Martha.Kusterer@jhuapl.edu to get the passwords.

MIMI L1a Data Ftp site: ftp://mimidata@sd-ftp.jhuapl.edu/data_L1a

MIMI IDL Save Sets site: ftp://mimipap@sd-ftp.jhuapl.edu/papdata_v35

Bulk Copy IDL Save Sets

To keep you from having to copy the L1a ASCII files over and convert them to IDL save set, which can take some time, we have started converting our files to the IDL save set and placing them in the IDL save set ftp site. This is a work in progress and will lag some time behind the L1a ASCII files.

MIMI IDL save sets can be obtained from the MIMI IDL save set ftp site and copy them to the directory that you entered in the config section of the setup of the papco software.

<config data directory>/YYYY.

The files to copy are in the lemmsrates/yyyy, chemssci/yyyy, and incaimages/yyyy directories.

Bulk Copy L1a Files

MIMI L1a ASCII files can be obtained from the MIMI L1a ftp site and copy them to the directory that you entered in the config section of the setup of the papco software.

<config data directory>/YYYY.

The read routines expect there to be a yyyy subdirectory under the config directory. The Papco software reads them in and saves them to an IDL Save set that will be placed in that same directory.

The files to copy are in the lemmsrates/yyyy, chemssci/yyyy, and incaimages/yyyy directories.