

APPENDIX J - Introduction to DoFTP

-New tool to submit data to IRIS/PASSCAL via FTP -

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Current Version/last updated: 2008.038

Introduction

DoFTP is an improved tool that combines a couple of tools from previous releases. It is designed to create tar files and send MSED data and dataless via FTP to the IRIS/PASSCAL Instrument Center (PIC). You can download it from our software web page <http://www.passcal.nmt.edu/> under Announcements. (DoFTP.YYYY.JJJ - Where YYYY.JJJ – latest version defined by year and Julian day.)

Requirements

- At least Python 2.4
- Tcl/TK, Tkinter (GUI), and Pmw (when sending data partially)
- Solaris 9, FC Linux, and Mac OS

Installation

DoFTP 2008.038 is part of the passcal software release, so please update your software for the proper platform from:

<http://www.passcal.nmt.edu/software/software.html>

HOW Does DoFTP work?

On the command line you define the directory where the mseed day volumes and dataless are ready to submit. Using the GUI will allow you to browse for the directory where the mseed day volumes and dataless exist.

DoFTP creates tar files and md5 (check files) from the directory referenced. Note that **DoFTP** will search the referenced directory and its subdirectories and pack all mseed found. The packing of the mseed files in tar files data based on two rules.

- Each tar file < 1.9 GB, so if the total data is larger than 1.9 GB, it will be divided into multiple tar files.
- Each tar file includes one station's data.

The tar operation should be finished in one step. Multiple operations could overwrite the files.

- Start an ftp session to send the data to our server at PASSCAL for quality control and delivery to the Data Management Center (DMC).
- There are no restrictions on the number of files for each station.
- DoFTP searches the descending directory structure from where it runs to identify all mseed data.

- The only requirement to find the dataless is that the filename contains the word “dataless”. PASSCAL recommends the following convention:

NN.YY.dbname.YYYYJJHHMM.dataless

Where:

NN is your network code

YY is the year of your data

YYYYJJHHMM is the approximate time the file was created – year-julianday - hour - minute

- **Warning caveat:** The TAR files will double the volume of data on your computer, so make sure there is plenty of space available.

OPTIONS:

DoFTP can be called from the command line, (con_**DoFTP**) or as a GUI (gui_**DoFTP**).

1. If using con_**DoFTP** (for console use)

Usage : <my_cpu>python con_**DoFTP** data_dir_name

Where data_dir_name - is the directory where all the miniseed files and dataless files are located and ready for submission.

2. If using gui_**DoFTP** (for console use)

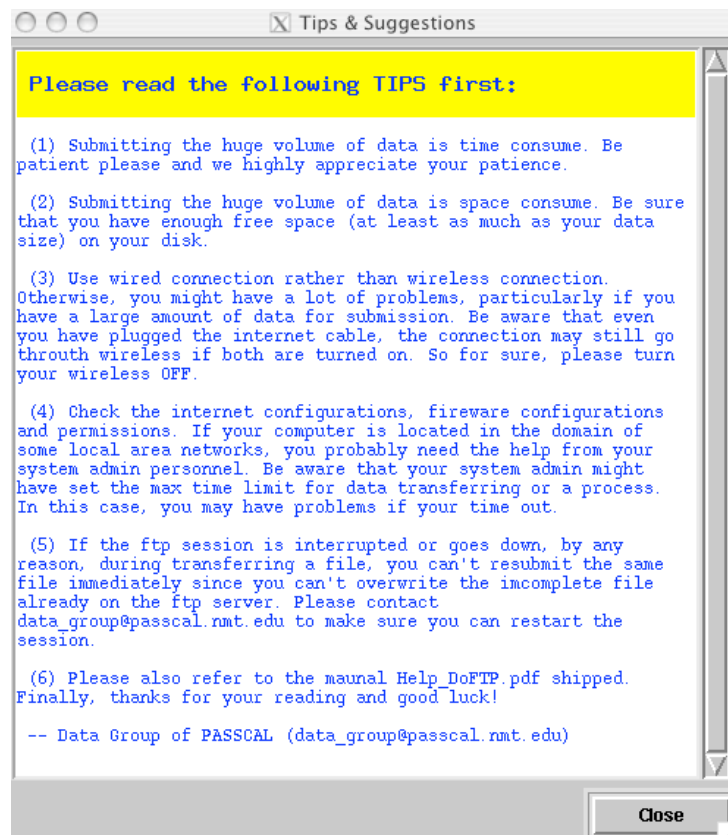
Usage: python gui_**DoFTP**



- **Full Operation** - creates tar files, md5 files, and a report for IRIS/PASSCAL of all the mseed files and dataless under the directory you select to. RECOMMENDED when sending a complete service of data.
- **Part Operation** - creates tar and md5 files for IRIS/PASSCAL of some mseed files and dataless under the directory you select. RECOMMENDED when resending data corrupted during a previous transfer, missing files, or a new

dataless.

- **FTP Resume** - Opens an FTP session with PASSCAL to send data that have been TARRED already, or resumes sending data from the last FTP session.
- **View Log** - shows the log file for this FTP session.
- **Help** - shows a summary of this help.
- **Exit** - exits the program.
- **Preferences/FTP Server** - Don't change the IP and use the default one. This is mainly for use of PASSCAL personnel only. However, you can set the max timeout for connection with a positive integer.
- **Preferences/Report Name** - If you want to submit the data multiple times on the same day, you need to select a unique number for each submission. Otherwise, use the default.
- **FTP Active Mode/FTP Passive Mode** - Select based on the FTP client on your computer. If you have trouble, swap the FTP mode by using these buttons and try to ftp again.



OTHER SUGGESTIONS WHEN RUNNING DoFTP:

- Please DO NOT USE wireless connection to submit the data.

Note that even if an Internet cable is plugged in, the connection may still go through wireless if both methods are enabled.

- Please check your local permissions regarding internet connection, firewall configuration, and transfer time limits and other restrictions. Most common problems are related to local configurations.
- If the ftp session is interrupted or goes down during the transfer, please contact data_group@passcal.nmt.edu to make sure you can restart the session.
- When running **DoFTP** on the command line (`con_DoFTP`), find help by running:
 - `con_DoFTP --help`

If any questions please contact us at: data_group@passcal.nmt.edu, we will reply to you as soon as possible.

*Help created by Eliana Arias and revised, 2008
Revised by George Slad 8/27/2008*