

# MRI Data Retrieval Instructions



All MR studies conducted on the 3T Prisma scanners will be transferred to MRRC servers automatically, immediately after scanning.

## Tasks performed by the MR Tech:

The MR tech will transfer the data to MRRC servers upon completion of the scan. This transfer could take up to 30 minutes before the data is available. The MR Techs will provide the PIs with the following information from the scan:

- a) Study Number
- b) PI's Name

## Task performed by the PI:

### Accessing and Identifying your Scan Data

1. Log on to the Yale VPN
2. Open two terminal windows:  
For Windows, use PowerShell or any ssh software like SSH Secure Shell Client or MobaXterm  
For Mac and Linux, use Terminal

3. In the first terminal window, type in:

```
ssh yourusername@hiwind.med.yale.internal
```

then enter your password at the prompt.

- See troubleshooting at the end of this document if this step fails.

4. After you log on hiwind, still in the first terminal window, type in:

```
FindMyStudy [scanner-name] [PI-Name]
```

- a. [scanner-name] can be entered as prismaa, prismab, prismac, or vida, depending on the MR scanner utilized. e.g. FindMyStudy **prismab** **powers**
- b. [PI-Name] is optional, omit it if you are not sure what is the exact name used at scanner

5. A screen that looks similar to this will appear, which will list the scans done this week on that scanner.

prismab_20210709_133440433	PI's Name - > powers	StudyNumber - > pb11440
prismab_20210709_153819149	PI's Name - > powers	StudyNumber - > pb11440

Here, the first column represents the name of your study directory on the server, the second column indicates the name of the PI, while the third column indicates your Study Number

6. You can find your scan data directory by reviewing this list by
  - a. Using the Study number (e.g., Pb11440) and PI's name (e.g., powers)
  - b. Confirming the date in the string farthest to the left (the middle number) that it indicates the date of your scan

Make a note of your scan folder and copy the directory name - prismax\_YYYYMMDD\_#####

## Downloading your scan data

You could do this in one of the following 2 ways.

### 1. Downloading data by scp

- In the second terminal window, type the following:

```
scp -r username@hiwind.med.yale.internal:/data1/[scanner]_transfer/[directory-name] \  
[Location to save to]
```

For example,

- i. If the scan was on prismab
- ii. And the directory name identified in step 6 was prismab\_20210709\_1513819149
- iii. And you want to save the transferred data in the MRIDownload folder on your desktop, you would enter

```
scp -r usernme@hiwind.med.yale.internal:/data1/prismab_transfer/prismab_20210709_153819149 \  
~/Desktop/MRIDownload/
```

- Once all files have finished transferring, you can close the terminal or type “exit”

### 2. Downloading data by rsync

- In the above example, you would type:

```
rsync -av usernme@hiwind.med.yale.internal:/data1/prismab_transfer/prismab_20210709_153819149 \  
~/Desktop/MRIDownload/
```

=====

**Important Note:** The data is stored on MRRC servers for **7** days. If you are unable to retrieve the data within that period, the data will need to be restored from our backup. Please contact [George He](#) if you need any data restored.

## Troubleshooting:

- If you see the error message “no matching host key type found. Their offer: ssh-rsa,ssh-dss” when you ssh to hiwind, you can use the hostkeyalgorithms option to continue, the command is:

```
ssh -o hostkeyalgorithms=+ssh-rsa username@hiwind.med.yale.internal
```

you will also need the same option for your scp command, e.g.

```
scp -o hostkeyalgorithms=+ssh-rsa -r \  
usernme@hiwind.med.yale.internal:/data1/prismab_transfer/prismab_20210709_153819149 \  
~/Desktop/MRIDownload/
```

- Pay attention to the spaces in your commands. Don’t leave it out where it is needed or introduce it where it is not expected. The backslash, “\”, is for multi-line commands.