SSRL MSD Beam Lines

For Windows (WinSCP)

- If the users laptop has any installed application for SFTP (secure FTP), go to step 2. Download and install freeware WinSCP: <u>http://winscp.net/eng/download.php</u>
- 2. Start WinSCP, and enter ssrlxfs1.slac.stanford.edu

💁 Login		- 🗆 X
New Site	Session Eile protocol: SFTP ~	
	Host name: ssrlxfs1.slac.stanford.edu	Port number:
	<u>U</u> ser name:	Password:
	b_spec	•••••
	Save V	A <u>d</u> vanced
<u>T</u> ools ▼ <u>M</u> anage ▼	🔁 Login 🔻	Close Help
Show Login dialog on startup and when the last sess	sion is closed	

Enter b_yourusername and password.

Click to Login.

This will get you to: /home/b_yourusername

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🌯 checkout - checkout@ss	rlxfs.slac.stanford.edu - WinSCP				_		\times
Local Mark Files Comma	ands Session Options Remote	Help					
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1	Parent directory	6/6/2022 11:51:16 AM	1	11/9/2022 12:39:11 PM	rwxr-xr-x	root	
Custom Office lempla	File folder	10/6/2021 9:31:56 AM	22	2/20/2018 11:48:06 AM	rwx	checkout	t
OneNote Notebooks	File folder	11/1/2021 9:21:50 AM	102	6/16/2022 8:10:15 AM	rwx	checkout	t
OriginLab	File folder	5/27/2022 2:12:11 PM	143	10/24/2016 2:11:12 PM	rwx	checkout	t
OriginPRO	File folder	5/27/2022 1:11:06 PM	Desktop	11/3/2022 5:21:19 PM	rwxr-xr-x	checkout	t
PyMca	File folder	1/25/2022 4:48:42 PM	Documents	9/29/2022 10:57:18 AM	rwxr-xr-x	checkout	t
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Navigate to the root folder **/hardx/**

Find your b_yourusername folder ("checkout" in this example)

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Checkout		11/14/2022 10:28:26 AM	rwx	checkout			
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testfile	0 KB	8/10/2022 8:54:24 AM	rw-rr	root			

Pick the relevant beamline number and this will match the content shown on **X**: drive for that username.

📕 checkout 🔹 🚰 🛛 🍸	-	🏠 🎜 🖹 🕅 Find Files	← - → -	
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/hardx/checkout/				
Name	Size	Changed 11/11/2022 8:19:01 AM 11/14/2022 11:35:42 AM 11/14/2022 10:28:26 AM	Rights rwxr-xr-x rwx rwxrwxr-x	Owner root checkout checkout

Click and drag files to your local directory.

When all data is copied go to Session -> Disconnect to close an active session on ssrlxfs1.

For Windows/MAC/Linux (Using terminal commands)

SFTP

SFTP is an interactive file transfer program, similar to ftp, which performs all operations over an encrypted ssh transport.

Connecting

Open a terminal window and type in:

sftp b_yourusername@ssrlxfs1.slac.stanford.edu

```
X:\>sftp checkout@ssrlxfs1.slac.stanford.edu
checkout@ssrlxfs1.slac.stanford.edu's password:
Connected to checkout@ssrlxfs1.slac.stanford.edu.
sftp> _
```

b_yourusername is your network account username and ssrlxfs.slac.stanford.edu is the remote server to which you're connecting.

You are now in directory /home/b_yourusername/

Change directory to /hardx/b_yourusername

cd /hardx/b_yourusername

Choose the beam line specific data by navigating to the beam line folder:

cd bl11-3

Once in the directory with the data, navigate to the location you want the data to go on your computer using "lpwd", "lls" and "lcd" commands (see description below).

Do "*get -r foldername*" to download all files in the relevant folder on the host and it will download to the local directory you have selected using the previous command.

The commands available in SFTP are:

Command	Description
pwd	Print working directory of remote host
lpwd	Print working directory of local client
cd	Change directory on the remote host
lcd	Change directory on the local client
ls	List director on the remote host
lls	List directory on the local client
mkdir	Make directory on remote host
lmkdir	Make directory on local client
get	Receive file from remote host to local client
get -r	Receive all files in the directory
put	Send file from local client to remote host
help	Display help text

For MAC (Fetch)

Hostname:	ssrlxfs.slac.s	tanford.edu	U ~	~ ~
Username:	b_tassone			
Connect using:	SFTP	\$		
	🗹 Enable end	cryption		
Password:				
	Add to key	chain		
Initial folder:				
	22			
Port:	hile			
Port: Try to connect	<i>4.6</i>	times.		

- 1. Open Fetch
- 2. Hostname: ssrlxfs1.slac.stanford.edu
- 3. Username: b_yourusername
- 4. Connect using: SFTP
- 5. Password: Enter password
- 6. Port: 22
- 7. Click OK

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	/ — ssrixts.slac.stanford.edu			
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is.	Folder		0/0/14 1:51 04	·m
ibea	Folder		12/22/19 12:26 8	м
lost=found	Folder		9/10/14, 1:49 PM	
media	Folder		12/16/14. 5:12 PM	4
misc	Folder		3/27/21, 6:09 PM	
e met	Folder		4/16/18, 12:02 PM	
pet .	Folder		3/27/21. 6:09 PM	
30 🔤 opt	Folder		9/10/14, 1:51 PM	
proc	Folder		3/27/21, 6:08 PM	
root	Folder		11/16/22, 6:48 AM	и
sbin	Folder		7/27/20, 5:15 PM	
scratch	Folder		9/10/14, 1:52 PM	
selinux	Folder		3/27/21, 6:08 PM	
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srv	Folder		6/28/11, 7:13 AM	
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usr 📄	Folder		9/10/14, 1:49 PM	
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				_
	Connected.			

- 8. Select "hardx"
- 9. Click on b_yourusername
- 10. Click on your beamlines folder
- 11. Navigate to your folder

To get previous data stored on P drive:

Instead of selecting "hardx", select "spec", then go to b_yourusername, then beamline folder, navigate to your folder.