Leica TC307 data transfer

To transfer data from the Leica TC307 total station - do the following:

Determine if your computer is equipped with a Serial port. If not a USB to Serial adapter will be required to transfer the data.

If a USB to Serial adapter is required, make sure to install the adapter and drivers. Once the drivers are installed and the USB adapter is plugged in go to: Control Panel> Administrative Tools > Computer Management > Device Manager: then expand Ports Take note of the COM port that the adapter is associated with. (this example is COM4)

Now go to http://www.leica-geosystems.com/ and download the latest version of Leica Geo Office Tools. Install the software and open it.

From the main window choose Tools>Data Exchange Manager
From the Data Exchange Manager toolbox expand the Serial Ports and Right Click on top of the proper COM port (COM4 in this example) -- choose Settings

In Settings Select the General Tab and under the PC/CF-Card setting dropdown choose TPS1100/DNA. Leave everything else as is.
Next Choose the COM Settings tab. Verify that the correct port is selected. For the Instrument dropdown choose TPS300. Baud Rate = 19200 (default for this instrument). Everything else stays the same.

Click OK and close the dialog box.
Next, Plug the instrument in to the Serial adapter. If the instrument does not automatically turn on, manually power it up.
Once the instrument is on, click on the appropriate COM port

If everything is working properly the COM port will expand down and be populated with a folder called “Files”

Expand the “Jobs” folder and drag the appropriate files to your computer for processing.