Loading picks from an external source into a TerraStation Pick Set

This guide is for those cases where you have dip/azimuths supplied to you and you wish to load them into a TerraStation pick data set for viewing. It assumes you already have a well file in existence within TerraStation, and you are adding the pick information to that well.

Firstly, you need to have the external data in a format that can be read by TerraStation. This is simply a column orientated ASCII file with each column being separated by a space or a comma.

The information that MUST be present in this file is Depth, Dip, and Azimuth. You can optionally supply other values, including a quality value.

An example file:

```
4456.78, 34.6, 250.0
4500.00, 10.0, 145.0
4501.5, 12.0, 97.0
```

If you have a number of pick types that you wish to load, then you MUST break each pick type into a separate ASCII file. So you might end up with one file containing faults, one containing fractures, one containing bedding, and so on.

You will need to load each file individually.

Click on the **Input/Output** menu and select **Well Import**, then **Auxiliary Well Data**.

A window appears.

At the top of the window change the **Auxiliary Data Type** toggle to read **FMV Picks**.

Press the **Select Input File** button and choose the first of your ASCII pick files.

Set the **Incoming File Format** toggle to the setting necessary for your file – either Space, Comma or Tab Delimited.

If you file has any lines above the start of the data, enter the number of these 'header' lines into the **Number of Header Lines** dialog box.

Press the **Select Well** button and choose the well you are adding this data to.

Now press the **Next** button at the bottom of the panel.

The panel changes and your data is displayed as a table in the main display area.

Set the **Incoming Depth Units** if necessary. This defaults to the depth units of the well you are loading into.

Define the **Pick Set** into which you are going to load the data. You can choose between 4 pick sets. If you have also been picking features within TerraStation you are advised NOT to load this incoming data into the same Pick Set. Normally, TerraStation users will pick features interactively and use Pick Set A, but this is not mandatory. You must decide into which pick set you want this incoming data to go.

Check the **Pick Types from file** box so that it is OFF.

Set the **Pick Type** to be whatever you want the incoming picks from this file to be classified as. The default is **Unclassified**.

Uncheck the **Pick Quality from file** box. In this example we do not have an incoming quality value associated with each pick. Set the quality value using the **Pick Quality** slider. Zero is the default.

We are now going to assign each column of the incoming file to a specific data item. Do this as follows:

Move the cursor so that it is within the first column on the data table.
Click the right hand mouse button.
From the list that appears, select **Depth**.
Now move the cursor to the next column.
Right click.
Select **Dip**
Now move the cursor to the next column.
Right click.
Select **Azimuth**

Once you have the columns assigned, press the **Next** button at the bottom of the panel.

This loads the data. Press **Done** to finish.

Repeat this process for each of your files. You want to put each file's data into the **SAME** Pick Set, but with a different Pick Type assigned.