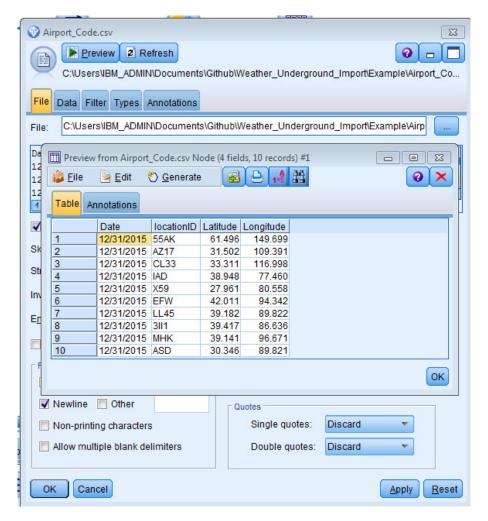


Step by Step Example

This example will demonstrate how to import weather data for a column of valid locations in a CSV file. The CSV used in this example can be found in the example folder of this extension's GitHub Repository.

User Input

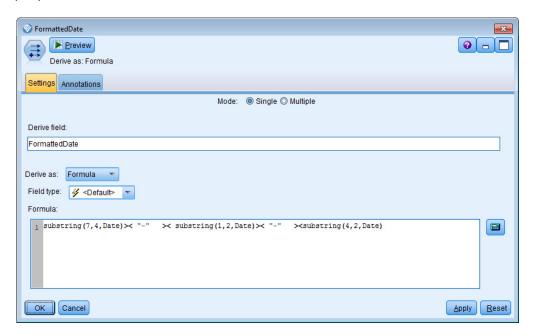
1. From the sources palette, add a Var File node to the stream and read Airport_Code.csv. The locationID column of this dataset has the valid location identifier required for this extension.





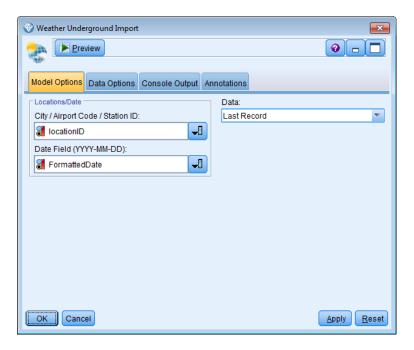
2. Before using the extension we need to convert the date from the format mm/dd/yyyy to yyyy-mm-dd. We can do this with a Derive node, found in the Field Ops palette. We will derive a new field based on the following formula:

This means for each record in the column **Date** we will join 4 characters starting at position 7 ('2015') with a dash '-' then 2 characters at position 1 ('12'), followed by a dash ('-') and finally 2 characters at position 4 ('31') to create a date of '2015-12-31'.





3. Add the Weather Underground Import extension from the Field Ops palette and connect it to the Var File node. Select locationID for the City/Airport Code/Station ID field, and select FormattedDate for the date field. Finally, choose the type of data to import in the Data field or leave as the default Last Record.



- 4. From the Output palette, connect a Table to the extension
- 5. Click on the Table and run the stream



Results

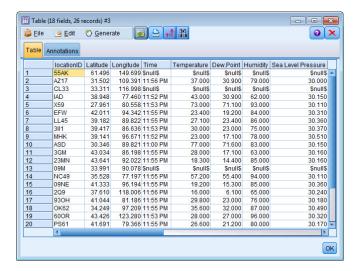
This extension imports the following fields into IBM SPSS Modeler.

- Time
- Temperature
- Dew.Point
- Humidity
- Sea Level Pressure
- Visibility
- Wind Direction
- Wind Speed

- Gust Speed
- Precipitation
- Events
- Conditions
- Wind Dir Degrees
- DateUTC
- DateTime



If you used the sample data provided, your results should match the table below:



This weather data can be used to build models or do analysis involving data from different sources.