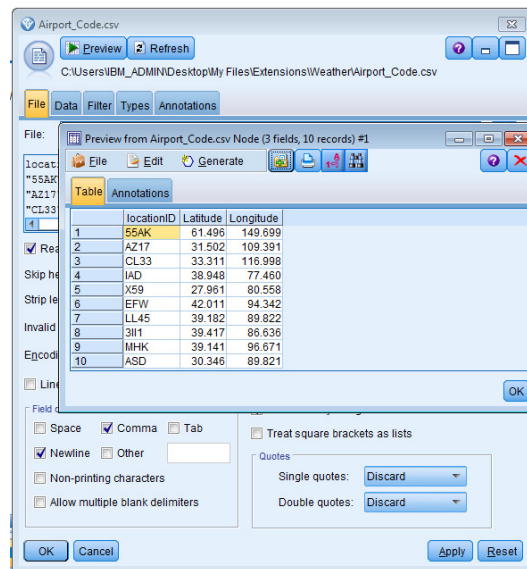


Step by Step Example

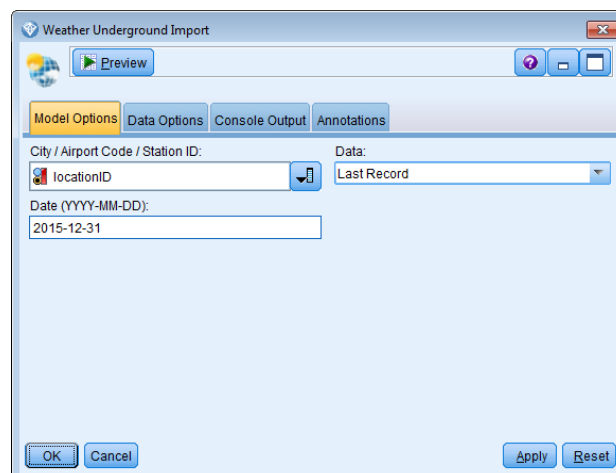
This example will demonstrate how to import weather data for a column of valid locations in a CSV file. The CSV used in this example can be found in the example folder of this extension's GitHub Repository.

User Input

1. In 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. 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 enter a date in the format YYYY-MM-DD. Finally, choose the type of data to import in the Data field or leave as the default Last Record.





3. From the Output palette, connect a Table to the extension
4. 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 text above, your results should match the table below:

	locationID	Latitude	Longitude	Time	Temperature	Dew.Point	Humidity	Sea Level Pressure
1	55AK	61.496	149.699	\$null\$	\$null\$	\$null\$	\$null\$	\$null\$
2	AZ17	31.502	109.391	11:56 PM	37.000	30.900	79.000	30.000
3	CL33	33.311	116.998	\$null\$	\$null\$	\$null\$	\$null\$	\$null\$
4	IAD	38.948	77.460	11:52 PM	43.000	30.900	62.000	30.150
5	X59	27.961	80.558	11:53 PM	73.000	71.100	93.000	30.110
6	EFW	42.011	94.342	11:55 PM	23.400	19.200	84.000	30.310
7	LL45	39.182	89.822	11:55 PM	27.100	23.400	86.000	30.360
8	3I11	39.417	86.636	11:53 PM	30.000	23.000	75.000	30.370
9	MHK	39.141	96.671	11:52 PM	23.000	17.100	78.000	30.510
10	ASD	30.346	89.821	11:00 PM	77.000	71.600	83.000	30.150
11	3GM	43.034	86.198	11:55 PM	28.000	17.100	63.000	30.160
12	23MN	43.641	92.022	11:55 PM	18.300	14.400	85.000	30.160
13	09M	33.991	90.078	\$null\$	\$null\$	\$null\$	\$null\$	\$null\$
14	NC49	35.528	77.197	11:55 PM	57.200	55.400	94.000	30.110
15	09NE	41.333	96.194	11:55 PM	19.200	15.300	85.000	30.360
16	2Q9	37.610	118.006	11:56 PM	16.000	6.100	65.000	30.240
17	93OH	41.044	81.186	11:55 PM	29.800	23.000	76.000	30.180
18	OK62	34.249	97.209	11:55 PM	35.600	32.000	87.000	30.490
19	60OR	43.426	123.280	11:53 PM	28.000	27.000	96.000	30.320
20	PS61	41.691	79.366	11:55 PM	26.600	21.200	80.000	30.170

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