

# Command Reference: SetClimateStation()

## Set climate station data

### StateCU Command

Version 03.12.00, 2011-01-17

The `SetClimateStation()` command sets data in existing climate stations or adds a new climate station. The following dialog is used to edit the command and illustrates the syntax of the command.

Edit SetClimateStation() Command

This command sets (edits) data in climate station(s), using the climate station ID to look up the station.  
The climate station ID can contain a \* wildcard pattern to match one or more stations.  
If the climate station ID does not contain a \* wildcard pattern and does not match an ID,  
the location will be added if the "IfNotFound" parameter is set to Add.  
Use blanks in the any field to indicate no change to the existing value.

Climate station ID:	<input type="text" value="1928"/>	Required - climate station(s) to fill (use * for wildcard).
Latitude:	<input type="text"/>	Optional - decimal degrees.
Elevation:	<input type="text" value="6440"/>	Optional - feet.
Region 1:	<input type="text"/>	Optional - primary region for the climate station (typically county).
Region 2:	<input type="text"/>	Optional - secondary region for the climate station (traditionally HUC or blank).
Name:	<input type="text"/>	Optional - up to 28 characters for StateCU.
Height of humidity/temp. meas.:	<input type="text"/>	Optional - height of humidity/temperature measurements (feet).
Height of wind meas.:	<input type="text"/>	Optional - height of wind measurements (feet).
If not found:	<input type="text" value="Warn"/>	Optional - indicate action if no match is found (default=Warn).

Command:

```
SetClimateStation(ID="1928",Elevation=6440,IfNotFound=Warn)
```

OK

Cancel

SetClimateStation

### SetClimateStation() Command Editor

The command syntax is as follows:

```
SetClimateStation(Parameter=Value,...)
```

### Command Parameters

Parameter	Description	Default
ID	A single climate station identifier to match or a pattern using wildcards (e.g., 20*).	None – must be specified.
Latitude	The climate station latitude to be assigned for all matching climate stations.	If not specified, the original value will remain.
Elevation	The climate station elevation to be assigned for all matching climate stations.	If not specified, the original value will remain.
Region1	The climate station Region1 (typically county) to be assigned for all matching climate stations.	If not specified, the original value will remain.
Region2	The climate station Region2 (typically the HUC basin) to be assigned for all matching climate stations.	If not specified, the original value will remain.
Name	The climate station name to be assigned for all matching climate stations.	If not specified, the original value will remain.
HeightHumidityMeas	The height of humidity and temperature measurements (feet), only used with daily analysis.	If not specified, the original value will remain.
HeightWindMeas	The height of wind measurements (feet), only used with daily analysis.	If not specified, the original value will remain.
IfNotFound	Used for error handling, one of the following: <ul style="list-style-type: none"> <li>• Add – add the climate station if the ID is not matched and is not a wildcard</li> <li>• Fail – generate a failure message if the ID is not matched</li> <li>• Ignore – ignore (don't add and don't generate a message) if the ID is not matched</li> <li>• Warn – generate a warning message if the ID is not matched</li> </ul>	Warn

The following example command file illustrates how climate stations can be defined and written to a StateCU file:

```
ReadClimateStationsFromList(ListFile="climsta.lst",IDCol=1)
FillClimateStationsFromHydroBase(ID="*")
SetClimateStation(ID="3016",Region2="14080106",IfNotFound=Warn)
SetClimateStation(ID="1018",Region2="14040106",IfNotFound=Warn)
SetClimateStation(ID="1928",Elevation=6440,IfNotFound=Warn)
SetClimateStation(ID="0484",Region1="MOFFAT",IfNotFound=Add)
WriteClimateStationsToStateCU(OutputFile="COclim2006.cli")
```