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# Command Reference: CheckClimateStations()

Check climate station data for problems

**StateCU Command**

Version 3.08.02, 2010-01-05

The `CheckClimateStations()` command checks the climate stations for problems. The command should usually be used with a `WriteCheckFile()` command at the end of a command file.

The following dialog is used to edit the command and illustrates the syntax of the command.

**Edit CheckClimateStations() Command**

This command checks StateCU climate station data.  
Currently no cross-checks are done with other StateCU components.  
Warnings are generated for the follow conditions:

- 1) Missing (undefined) required values.
- 2) Invalid numerical values (e.g., latitude > 90 degrees).

Climate station identifier:  Required - specify the climate stations to check (use \* for wildcard).

If not found:  Optional - indicate action if no match is found (default=Warn).

Command:

OK Cancel

CheckClimateStations

**CheckClimateStations() Command Editor**

The command syntax is as follows:

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

#### Command Parameters

| Parameter  | Description   | Default                   |
|------------|---|---------------------------|
| ID         | The identifier for the station(s) to check. Use * to match a pattern.   | None – must be specified. |
| IfNotFound | One of the following: <ul style="list-style-type: none"> <li>Fail – generate a failure message if the climate station identifier is not matched</li> <li>Ignore – ignore (don't generate a message) if the climate station identifier is not matched</li> <li>Warn – generate a warning message if the climate station identifier is not matched</li> </ul> | Warn                      |

The following example command file illustrates how climate stations can be defined, sorted, checked, 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)
SortClimateStations()
WriteClimateStationsToStateCU(OutputFile="COclim2006.cli")
#
# Check the results
#
CheckClimateStations(ID="*")
WriteCheckFile(OutputFile="COclim2006.cli.check.html")
```