

Block MTMUP

The MTMUP block updates the INSEL weather database.



MTMUP

Update file name

Name	MTMUP
Function	em0026
Inputs	0
Outputs	0
Parameters	0
Strings	1
Group	C

Inputs

None

Outputs

None

Parameters

None

Strings

1 Name of the update file

Description The following text is a valid control file and should explain the method used by the **MTMUP** block. A user interface is not yet available in INSEL.

```
# Control file for updating the MTM data base
# To add sites to the data base, the following data must be given
#
#   Site      = Nname of site
#   Continent = Code number of continent
#               1 = Europe
#               2 = Asia
```

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#           3 = Africa
#           4 = USA
#           5 = Latin America (see file MT.KEY)
# Country   = Code number of country; see data base file MT.CC;
#           87 = Germany
# Latitude  = Latitude of the site
# Longitude = Longitude of the site
# Command   = NEW, MODIFY or DELETE
#
# and at least one of the following data records should be given
# for each site
#
# Radiation  = 12 monthly mean values of radiation
# Wind       = 12 monthly mean values of wind speed
# Temperature = 12 monthly mean values of temperature
# MinTemperat = 12 monthly minimum temperature values
# MaxTemperat = 12 monthly maximum temperature values
# Rain       = 12 monthly mean values of rain fall
# Humidity   = 12 monthly mean values of relative humidity
#
# Empty lines are ignored.
# Text following the characters "#", "%" and ";" are ignored to give the
# possibility of commenting.
# The first option of every data set must be "Site= ...".
# All other options ("Continent= ...", "Country=...", "Latitude=...", ...)
# up to the next option "Site= ..." or the end of file belong to the site.
# A end of file may be simulated with two successive lines containing the
# text "RETURN"
# The meaning of COMMAND is:
#
# COMMAND = NEW:   Site may exist, data may not exist and data record
#                  will be created. If site not exists, site record
#                  will be created. If data already exists, an error
#                  message will be displayed and execution stops.
# COMMAND = MODIFY: Site may exist, data may exist.
#                  If site and/or data exist, they will be overwritten
#                  otherwise new records will be created
# COMMAND = DELETE: Delete given data records of one site. If no more
#                  data records are available for the given site, the
#                  site will be deleted.
# COMMAND = LIST:  List data of given site. If site does not exist,
#                  an error message will be displayed and execution
#                  stops.
#
#
# Example: 1
#
# Site      = Aurich
# Continent = 1   # Europe
# Country   = 87  # Germany
# Latitude  = 53.2 # test
# Longitude = 350.8
# Command   = Modify
# # Month    1   2   3   4   5   6   7   8   9  10  11  12

```

```

# Radiation = 11 12 13 14 15 16 16 15 14 13 12 11
# Wind = 13 15 15 18 30 40 17 10 25 24 43 29
# Temperature = -3.0 -5.0 8.0 12.0 15.0 20.0 25.9 29.0 20.0 15.0 10.0 4.0
# MinTemperat = -7.0 -9.0 0.0 7.0 9.0 15.0 14.9 20.0 13.0 10.0 7.0 0.0
# MaxTemperat = 2.0 2.0 12.0 16.0 20.0 22.0 28.9 33.0 25.0 20.0 17.0 11.0
# Rain = 113 115 115 118 130 140 117 110 125 124 143 129
# RETURN
# RETURN
#
#
# Example: 2
#
# Site = Aurich
# Continent = 1 # Europe
# Country = 87 # Germany
# Latitude = 53.2 # test
# Longitude = 350.8
# Command = delete
# # Month 1 2 3 4 5 6 7 8 9 10 11 12
# Radiation =
# Wind =
# RETURN # Remark: In this case, if there are still some data records
# RETURN # given in the data base for the site, the site will not be
# # deleted. If the last data record for the site gets deleted,
# # the site will be erased from the data base

Site = Stuttgart
Command = Modify
Humidity = 0 0 0 0 0 0 0 0 0 0 0 0

Site = Torino
Command = Modify
Humidity = 0 0 0 0 0 0 0 0 0 0 0 0

Site = Aurich
Command = Modify
Humidity = 0 0 0 0 0 0 0 0 0 0 0 0

Site = Bremen
Command = Modify
Humidity = 0 0 0 0 0 0 0 0 0 0 0 0

```

mtmup.vseit



The **MTMUP** block is the only block in the model to be executed.