

```

# MPM93 O2 absorption model (lines + continuum)
cont_descriptionAppend{
  tagname      = "O2-MPM93"
  model        = "MPM93Continuum"
  userparameters = [ ]
}
#
# ----- N2 continuum -----
# One has to provide a N2 tag for method absCalc that's
# the only reason why we specify here the N2 continuum tag
# Rosenkranz N2-N2 continuum (only N2-N2 broadening):
cont_descriptionAppend{
  tagname      = "N2-SelfContStandardType"
  model        = "Rosenkranz"
  userparameters = [ ]
}
#
#-----
#
# Read the pressure, temperature, and altitude
# profiles and create the workspace variable 'raw_ptz'.
# ATTENTION! THE PATH AND FILE NAMES ARE USER SPECIFIC!
MatrixReadAscii (raw_ptz)
  {"@ac_arts_data@/atmosphere/fascod/midlatitude-summer.tz.aa"}
#
# The same for the input VMR profiles
# ATTENTION! THE PATH AND FILE NAMES ARE USER SPECIFIC!
raw_vmrsReadFromScenario
  {"@ac_arts_data@/atmosphere/fascod/midlatitude-summer"}
#
# Create the pressure grid 'p_abs' (just an example)
VectorNLogSpace(p_abs){
  start = 100000.000
  stop  = 1000.000
  n     = 100
}
# reads the input profiles
AtmFromRaw{}
#
#-----
#
# Set the H2O profile
h2o_absSet{}
#
# Set the N2 profile
n2_absSet{}
#
#-----
#
# Read spectral line data from HITRAN96 catalogue for
# the frequency range from 1 to 2 GHz.
# This is not essential for the continuum tags but
# must be given as input for absCalc below.
# ATTENTION! THE PATH AND FILE NAMES ARE USER SPECIFIC!
lines_per_tgReadFromCatalogues{
  filenames = [ "@ac_arts_data@/spectroscopy/hitran96/hitran96_lowfreq.par" ]
  formats   = [ "HITRAN96" ]
  fmin      = [ 1.0e9 ]
  fmax      = [ 2.0e9 ]
}
# Create an example frequency grid 'f_mono'
VectorNLinSpace(f_mono){
  start = 100.0e9
  stop  = 200.0e9
  n     = 100
}
#
#-----
#
#

```

Information about the model atmosphere.  
Also the VMR profiles H2O and N2 have to be given separately.

Spectral line data is also necessary for the method absCalc.

Input frequency grid on which the calculation is performed.