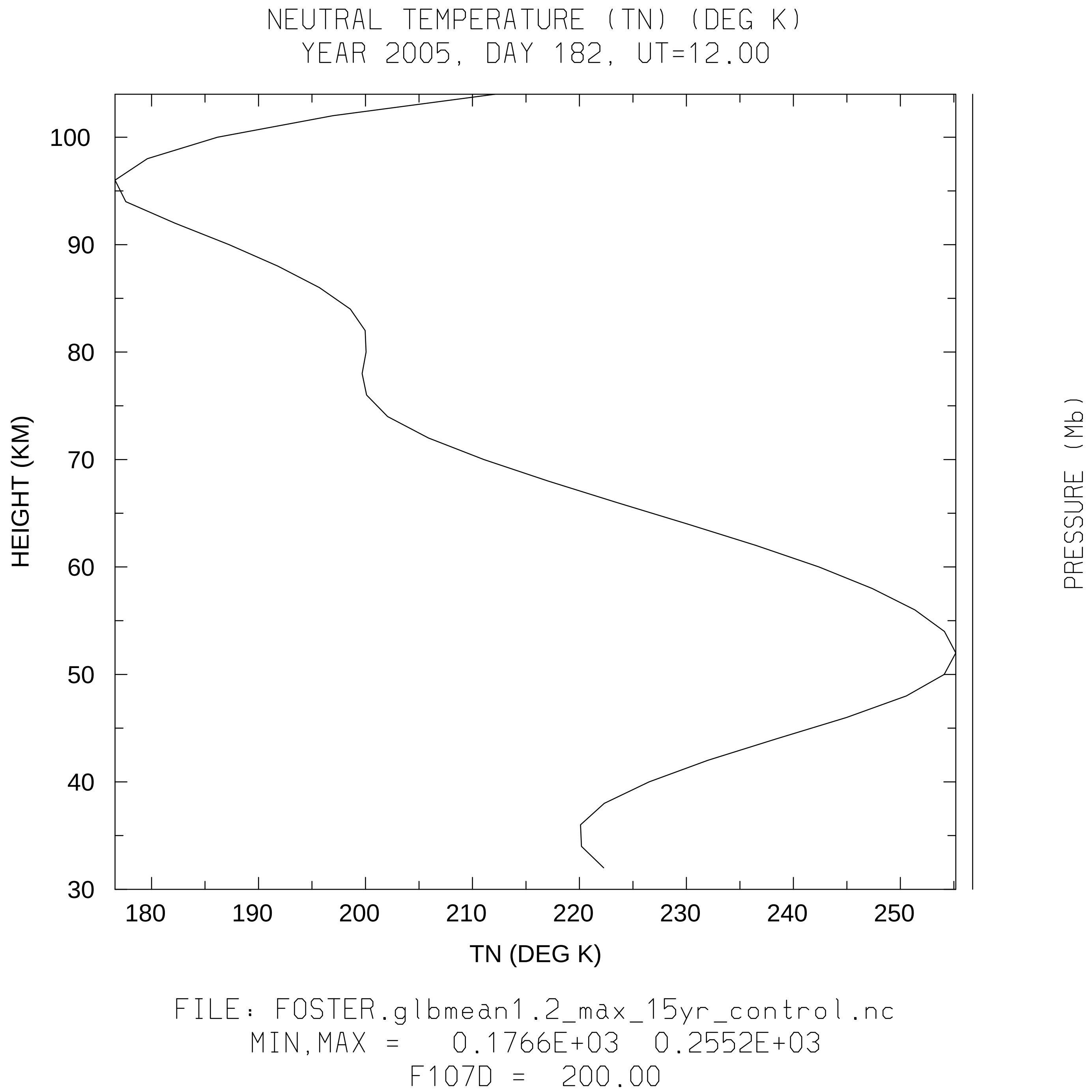
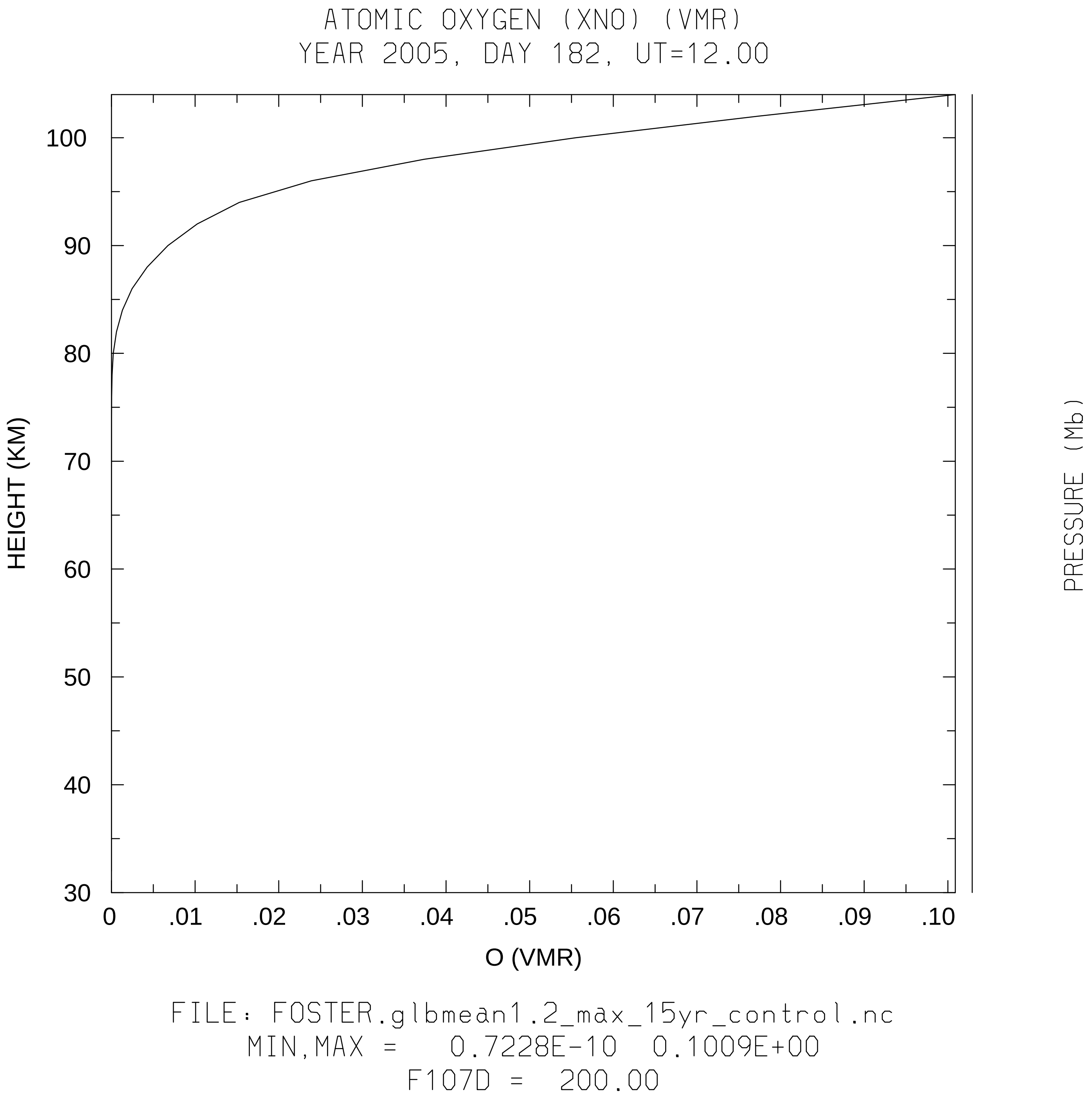
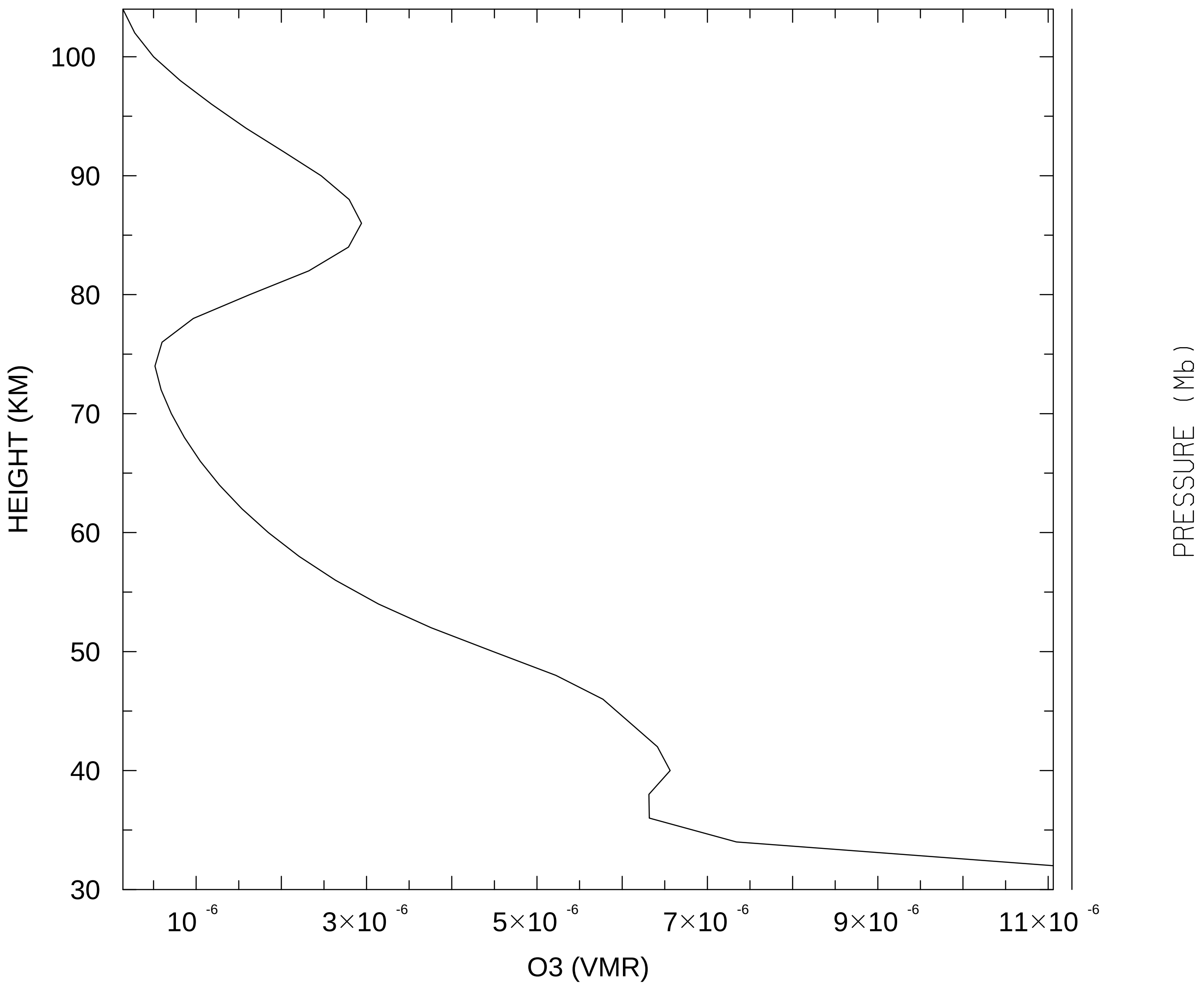


NEUTRAL TEMPERATURE (TN) (DEG K)
YEAR 2005, DAY 182, UT=12.00
HEIGHT (KM)
30
40
50
60
70
80
90
100
180
190
200
210
220
230
240
250
TN (DEG K)
PRESSURE (Mb)
FILE: FOSTER.glbmean1.2_max_15yr_control.nc
MIN,MAX = 0.1766E+03 0.2552E+03
F107D = 200.00

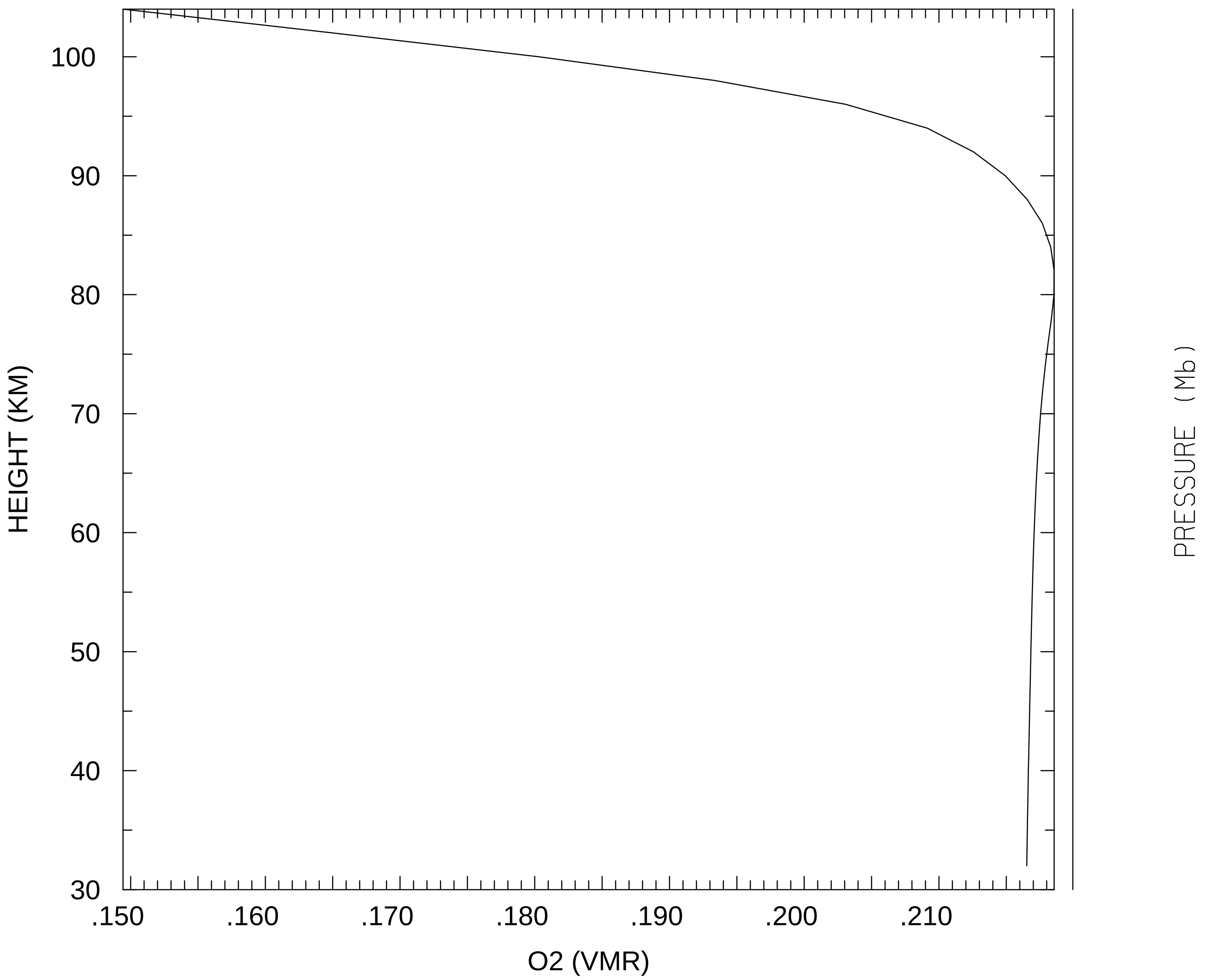

ATOMIC OXYGEN (XNO) (VMR)
YEAR 2005, DAY 182, UT=12.00
HEIGHT (KM)
PRESSURE (Mb)
O (VMR)
30
40
50
60
70
80
90
100
0
.01
.02
.03
.04
.05
.06
.07
.08
.09
.10
FILE: FOSTER.glbmean1.2_max_15yr_control.nc
MIN,MAX = 0.7228E-10 0.1009E+00
F107D = 200.00

OZONE (XNO3) (VMR)
YEAR 2005, DAY 182, UT=12.00



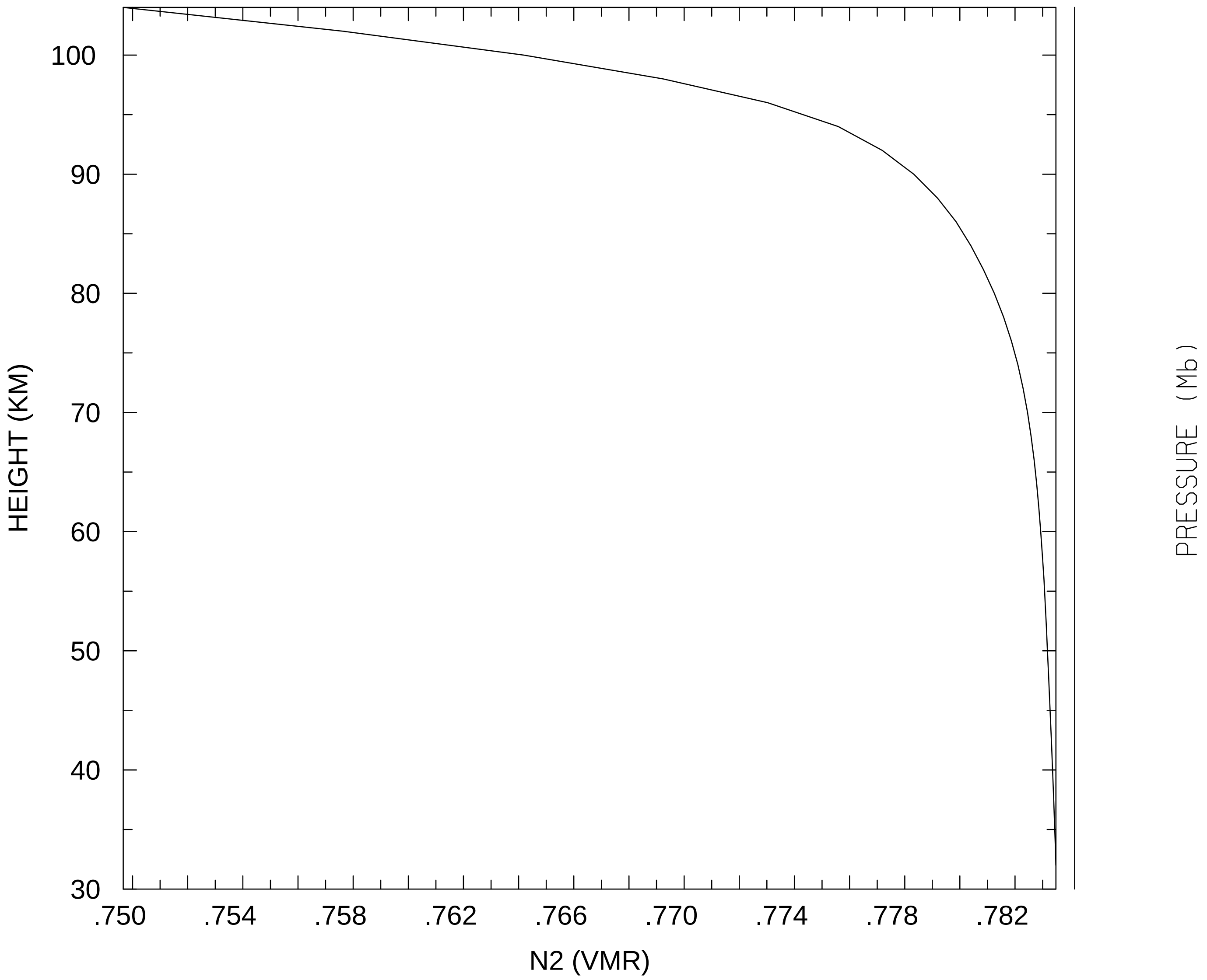
FILE: FOSTER.glbmean1.2_max_15yr_control.nc
MIN,MAX = 0.1409E-06 0.1106E-04
F107D = 200.00

MOLECULAR OXYGEN (XNO2) (VMR)
YEAR 2005, DAY 182, UT=12.00

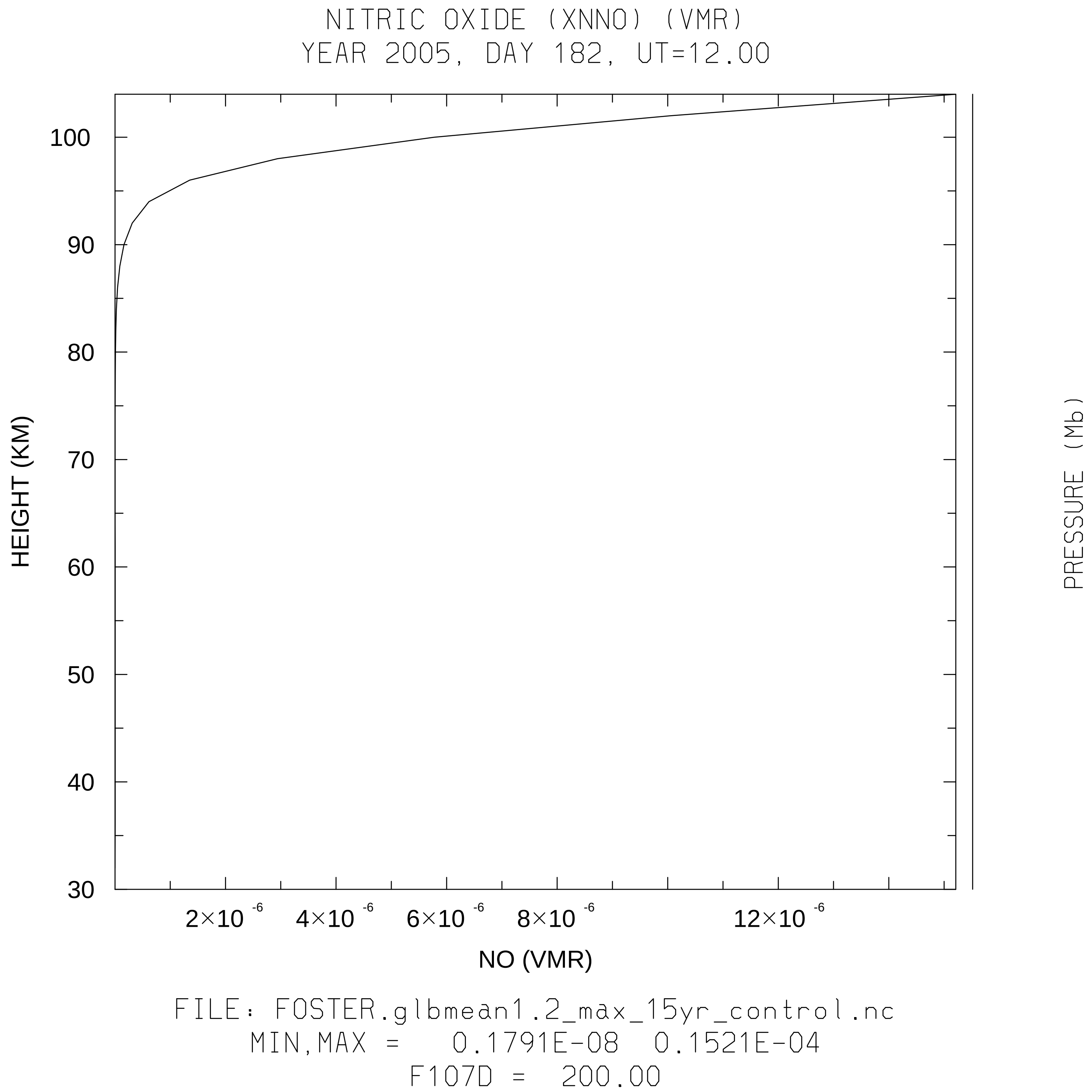


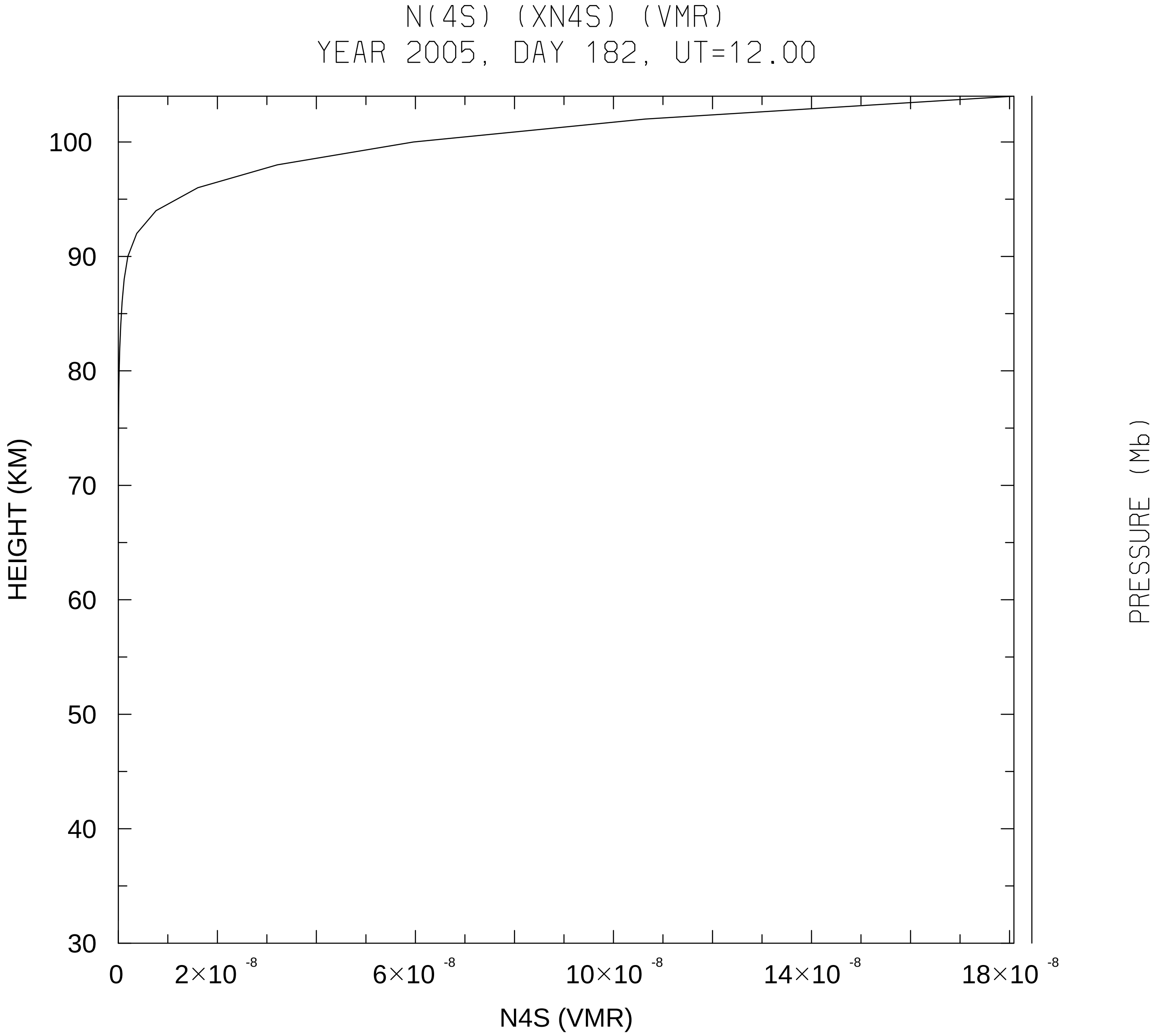
FILE: FOSTER.glbmean1.2_max_15yr_control.nc
MIN,MAX = 0.1494E+00 0.2186E+00
F107D = 200.00

MOLECULAR NITROGEN (XNN2) (VMR)
YEAR 2005, DAY 182, UT=12.00



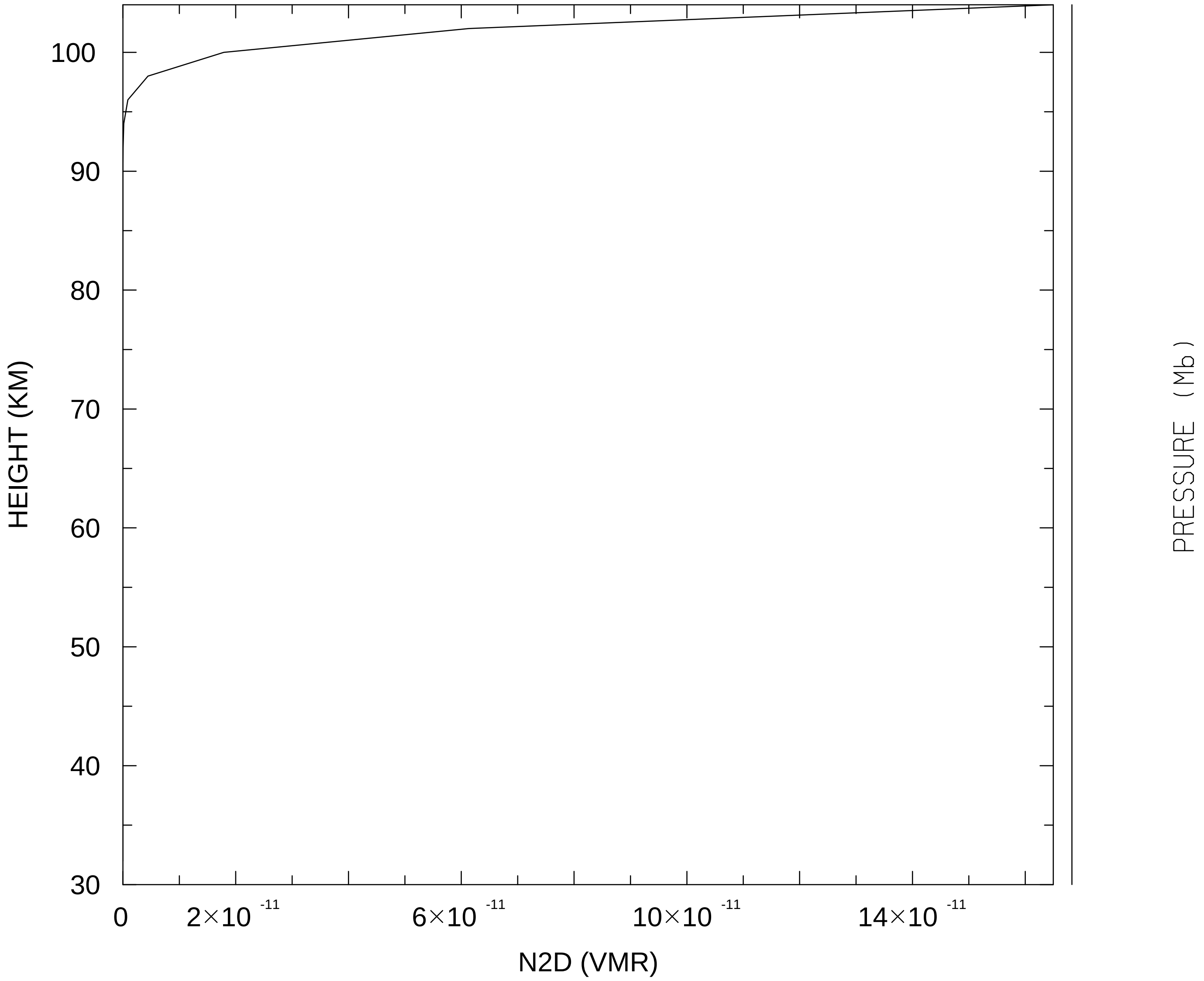
FILE: FOSTER.glbmean1.2_max_15yr_control.nc
MIN,MAX = 0.7497E+00 0.7835E+00
F107D = 200.00


NITRIC OXIDE (XNNO) (VMR)
YEAR 2005, DAY 182, UT=12.00
HEIGHT (KM)
PRESSURE (Mb)
100
90
80
70
60
50
40
30
2×10 -6
4×10 -6
6×10 -6
8×10 -6
12×10 -6
NO (VMR)
FILE: FOSTER.glbmean1.2_max_15yr_control.nc
MIN,MAX = 0.1791E-08 0.1521E-04
F107D = 200.00



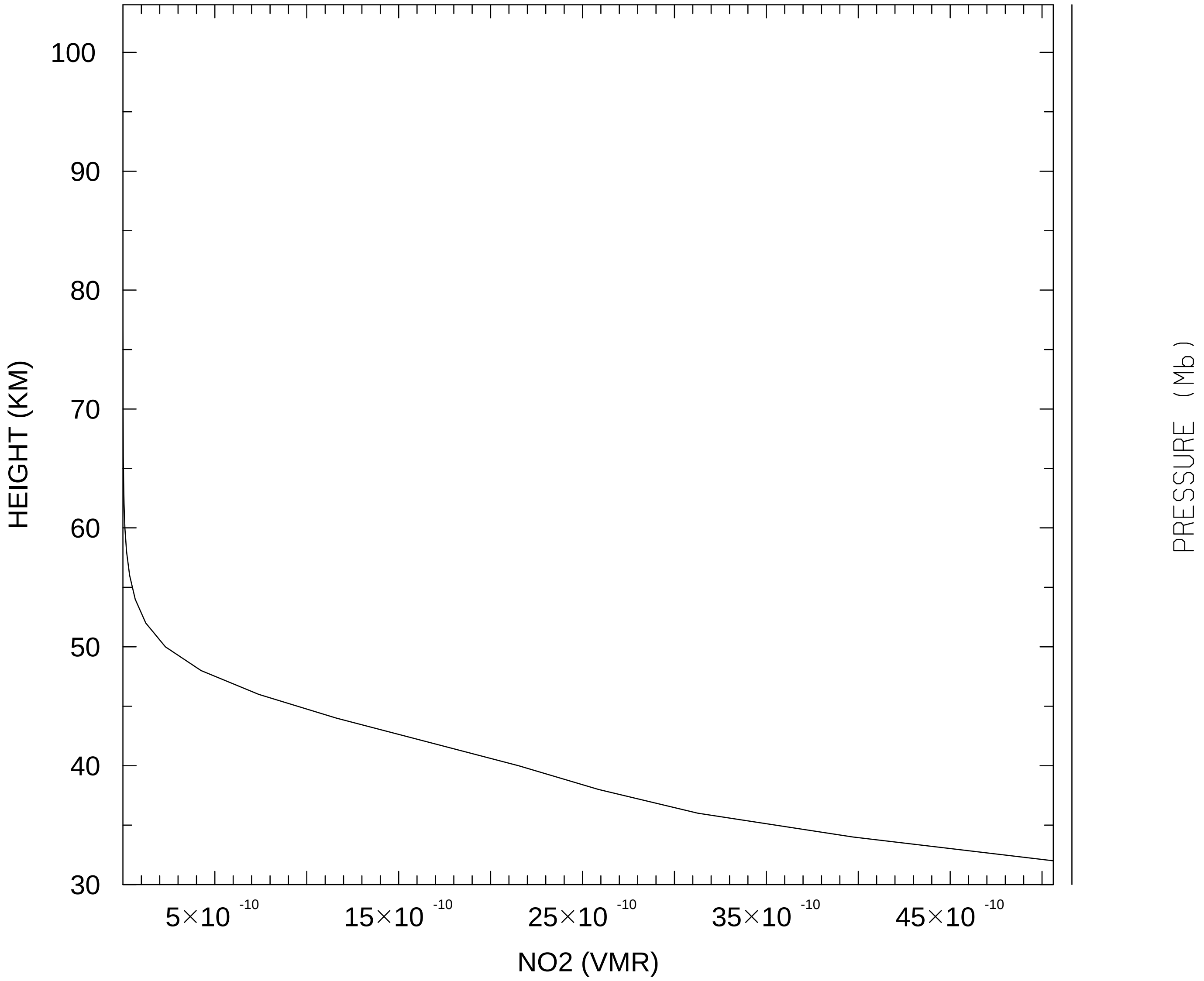
FILE: FOSTER.glbmean1.2_max_15yr_control.nc
MIN,MAX = 0.1032E-15 0.1809E-06
F107D = 200.00

N(2D) (XN2D) (VMR)
YEAR 2005, DAY 182, UT=12.00



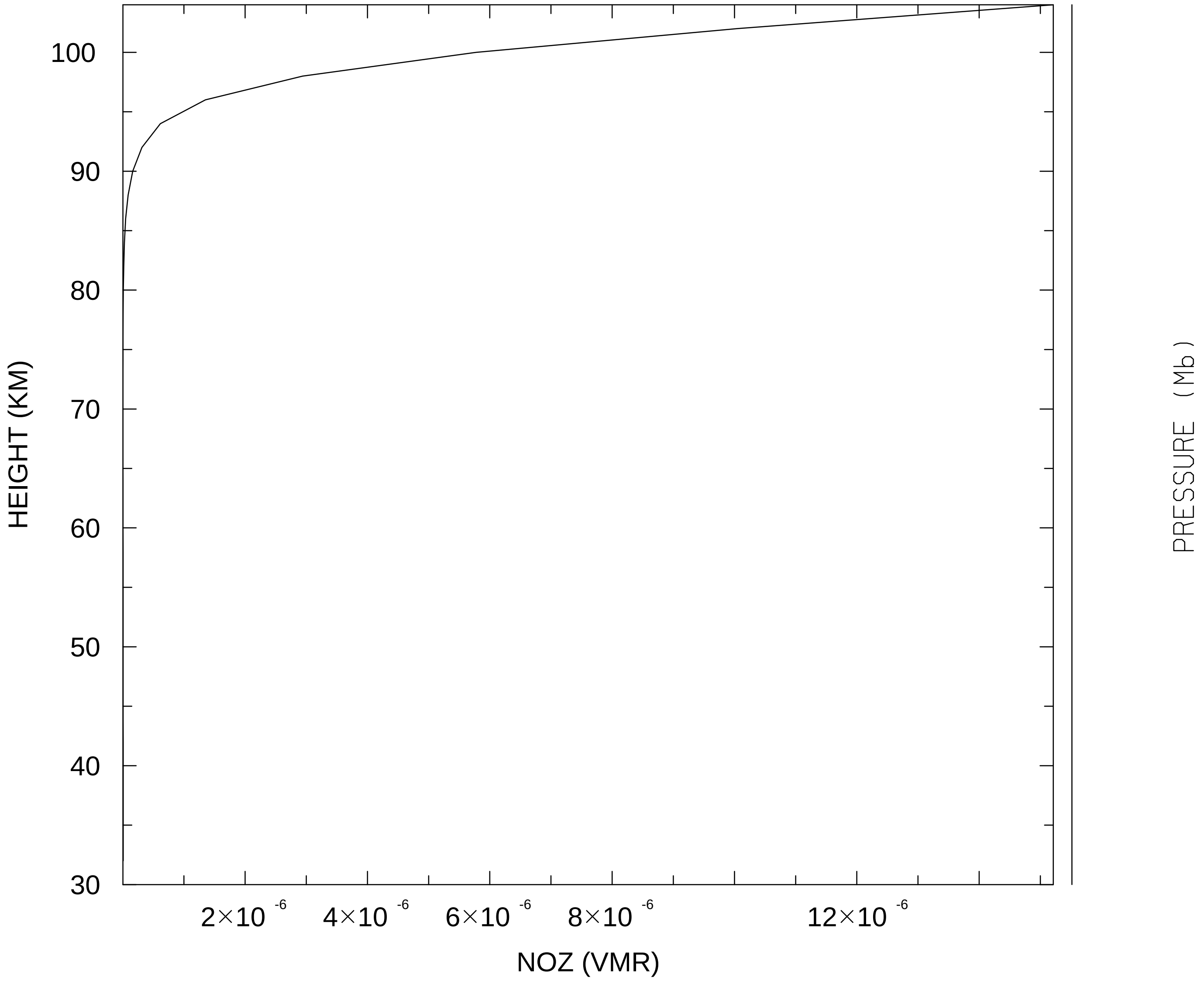
FILE: FOSTER.glbmean1.2_max_15yr_control.nc
MIN,MAX = 0.1007E-22 0.1650E-09
F107D = 200.00

NO2 (XNNO2) (VMR)
YEAR 2005, DAY 182, UT=12.00

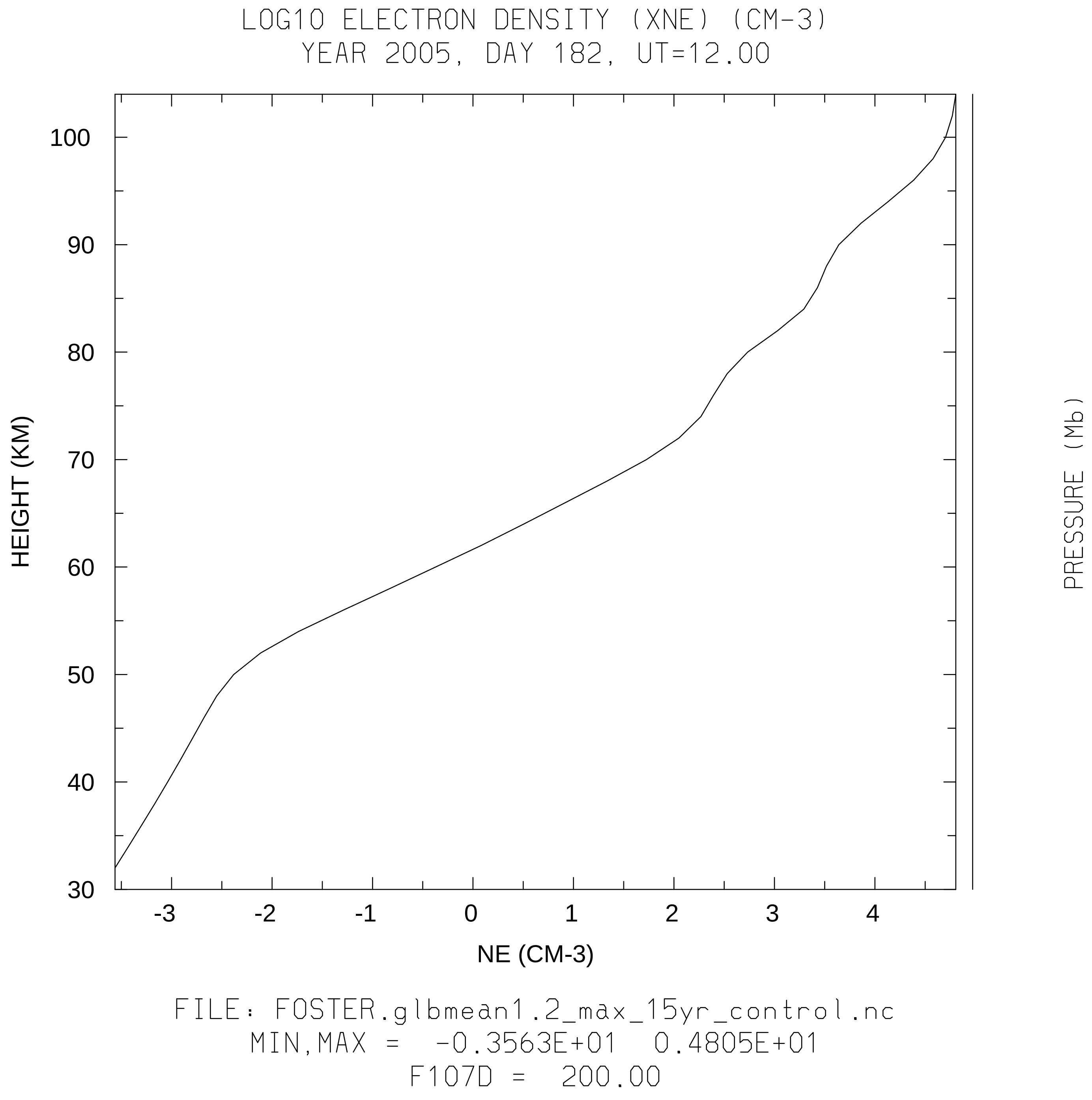


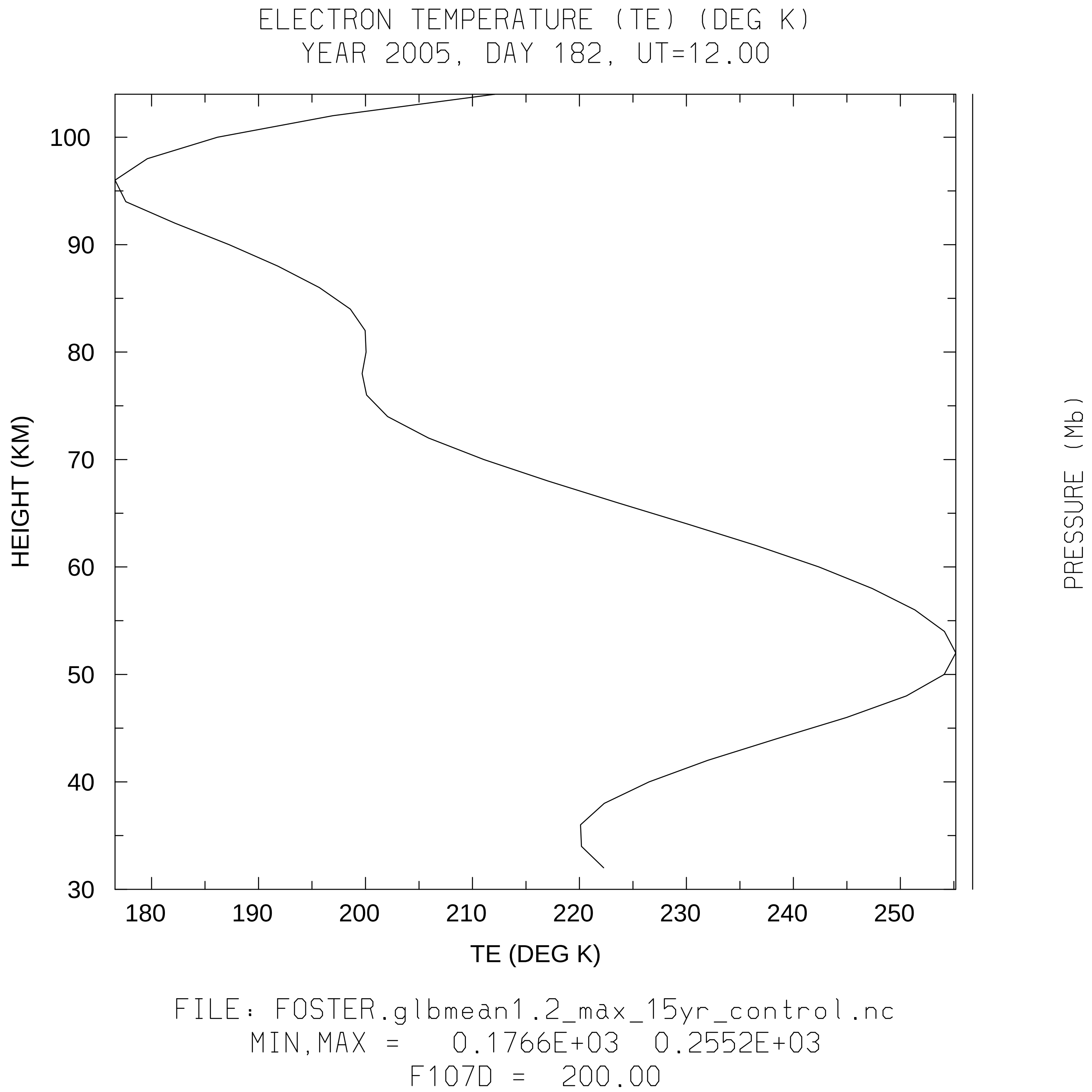
FILE: FOSTER.glbmean1.2_max_15yr_control.nc
MIN,MAX = 0.5423E-14 0.5061E-08
F107D = 200.00

NOZ (NO+NO2) (XNNOZ) (VMR)
YEAR 2005, DAY 182, UT=12.00

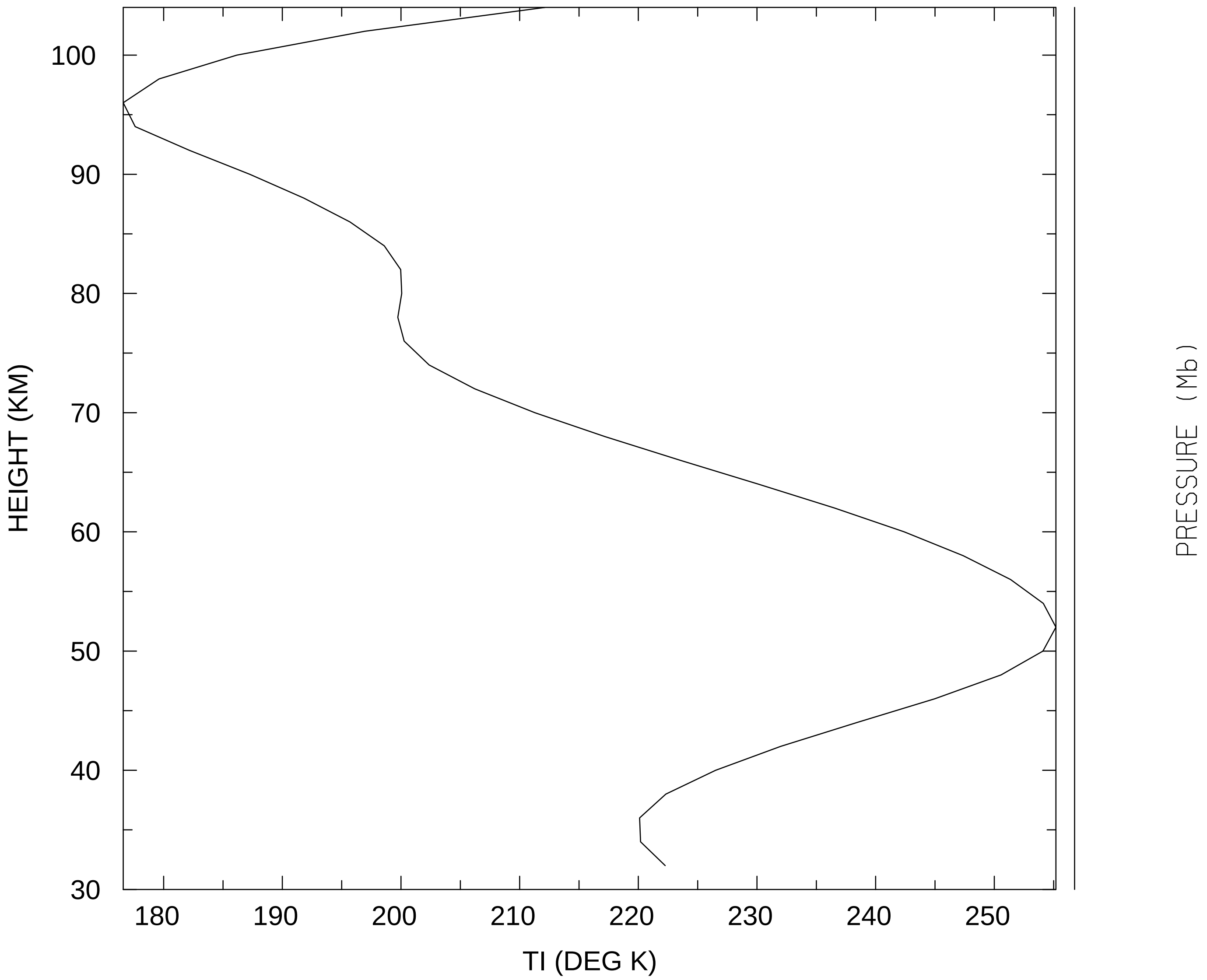


FILE: FOSTER.glbmean1.2_max_15yr_control.nc
MIN,MAX = 0.2643E-08 0.1521E-04
F107D = 200.00


LOG10 ELECTRON DENSITY (XNE) (CM-3)
YEAR 2005, DAY 182, UT=12.00
HEIGHT (KM)
100
90
80
70
60
50
40
30
-3
-2
-1
0
1
2
3
4
NE (CM-3)
PRESSURE (Mb)
FILE: FOSTER.glbmean1.2_max_15yr_control.nc
MIN,MAX = -0.3563E+01 0.4805E+01
F107D = 200.00

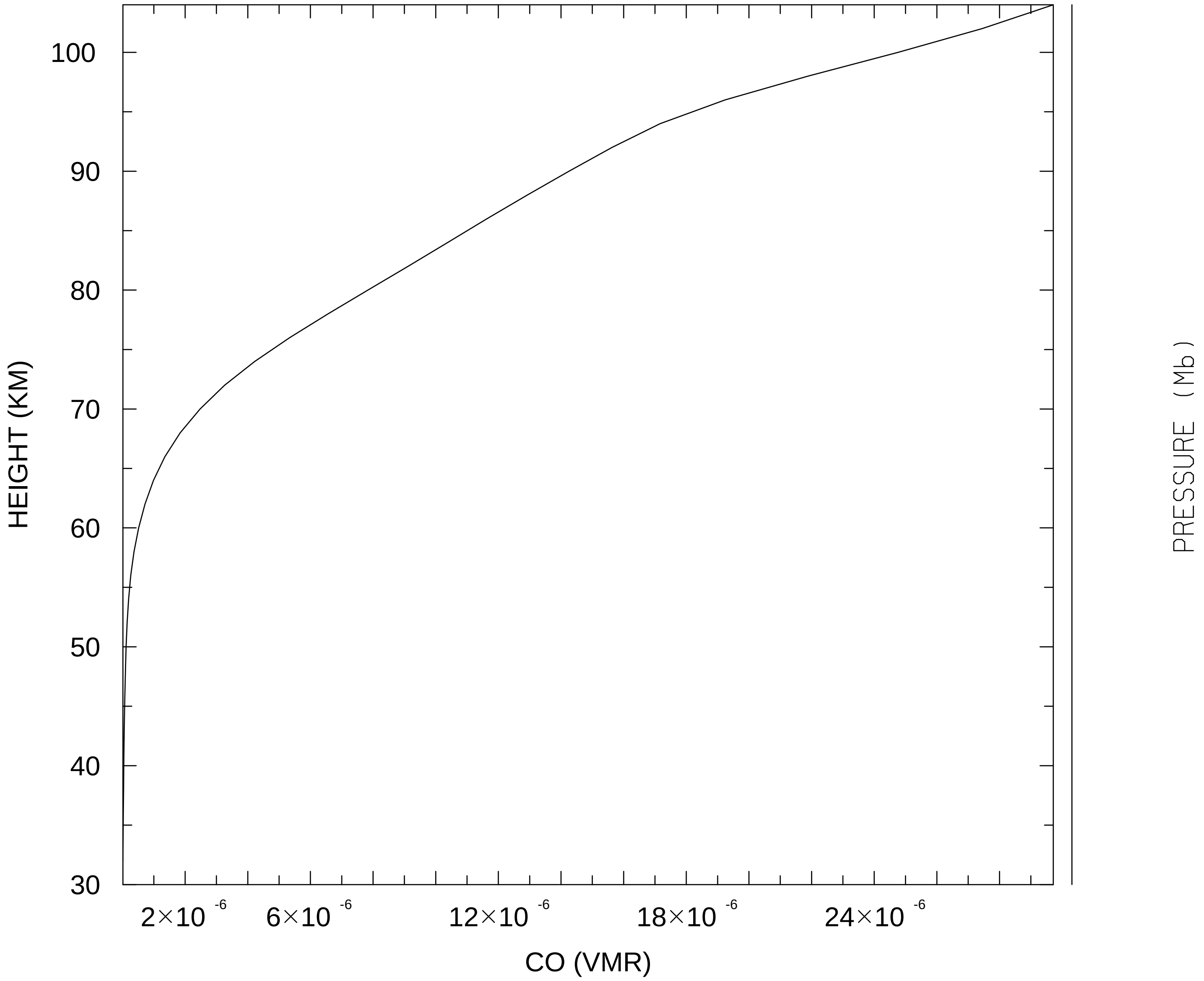

ELECTRON TEMPERATURE (TE) (DEG K)
YEAR 2005, DAY 182, UT=12.00
HEIGHT (KM)
100
90
80
70
60
50
40
30
180
190
200
210
220
230
240
250
TE (DEG K)
PRESSURE (Mb)
FILE: FOSTER.glbmean1.2_max_15yr_control.nc
MIN,MAX = 0.1766E+03 0.2552E+03
F107D = 200.00

ION TEMPERATURE (TI) (DEG K)
YEAR 2005, DAY 182, UT=12.00



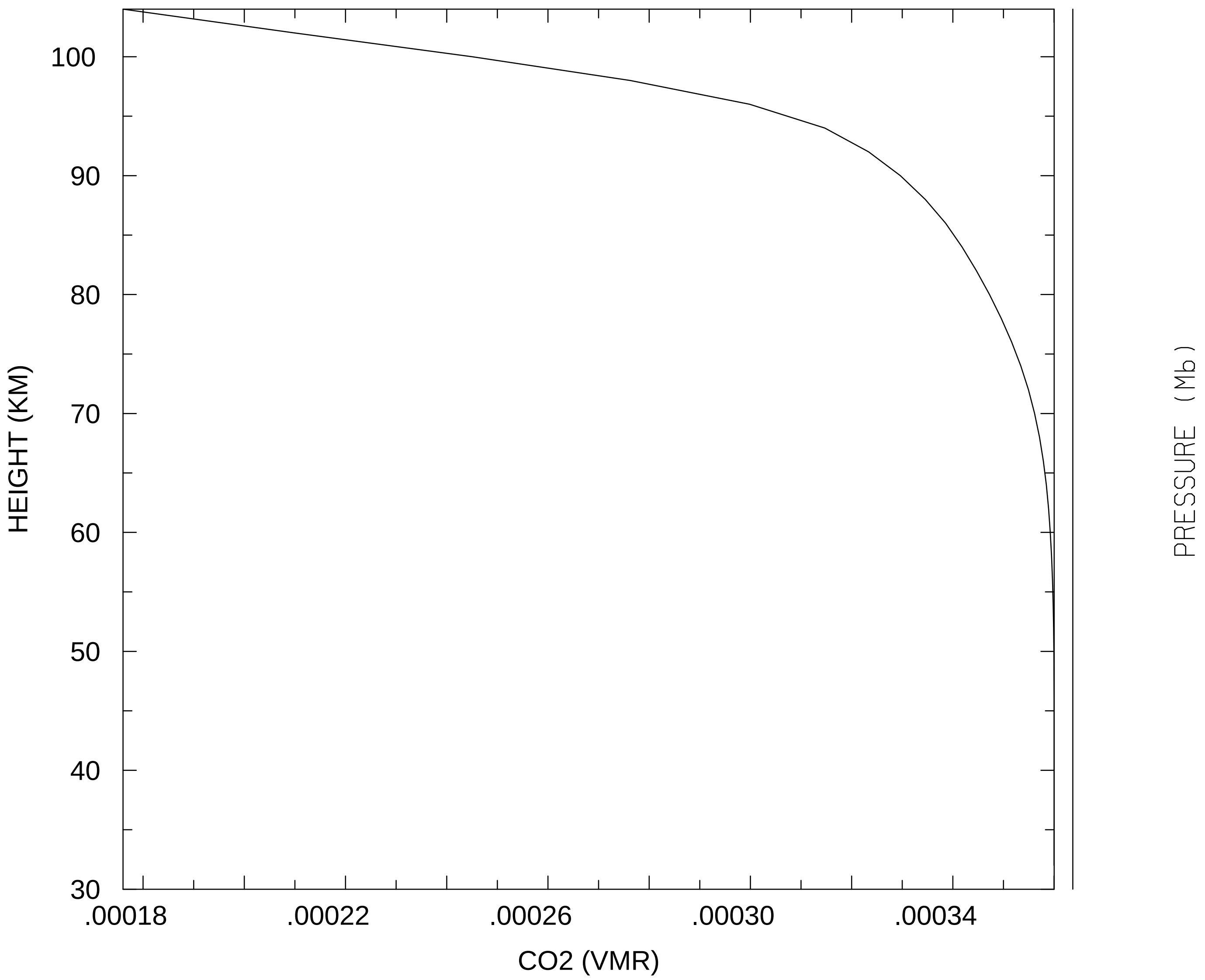
FILE: FOSTER.glbmean1.2_max_15yr_control.nc
MIN,MAX = 0.1766E+03 0.2552E+03
F107D = 200.00

CARBON MONOXIDE (XNCO) (VMR)
YEAR 2005, DAY 182, UT=12.00

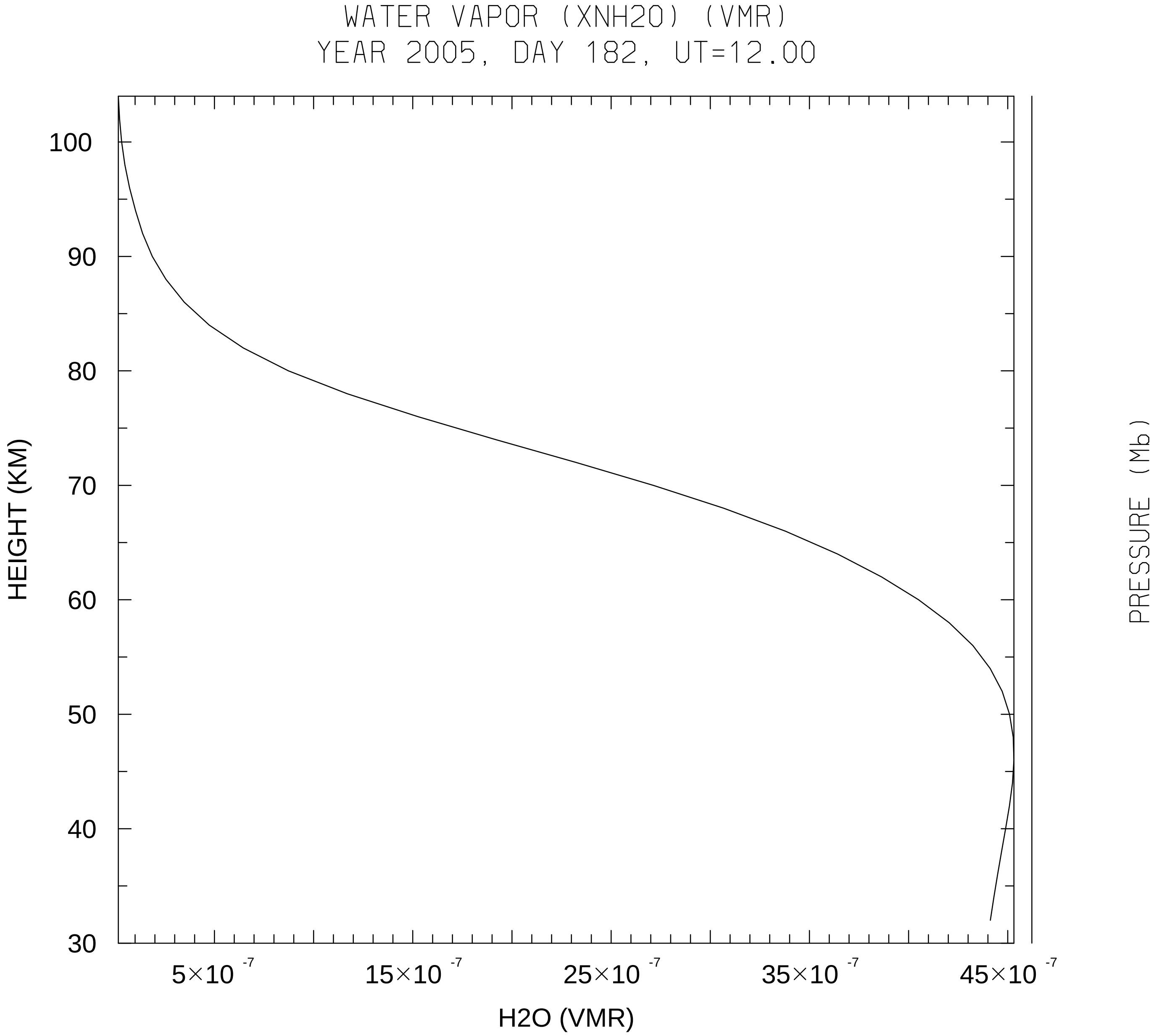


FILE: FOSTER.glbmean1.2_max_15yr_control.nc
MIN,MAX = 0.1475E-07 0.2972E-04
F107D = 200.00

CARBON DIOXIDE (XNCO2) (VMR)
YEAR 2005, DAY 182, UT=12.00

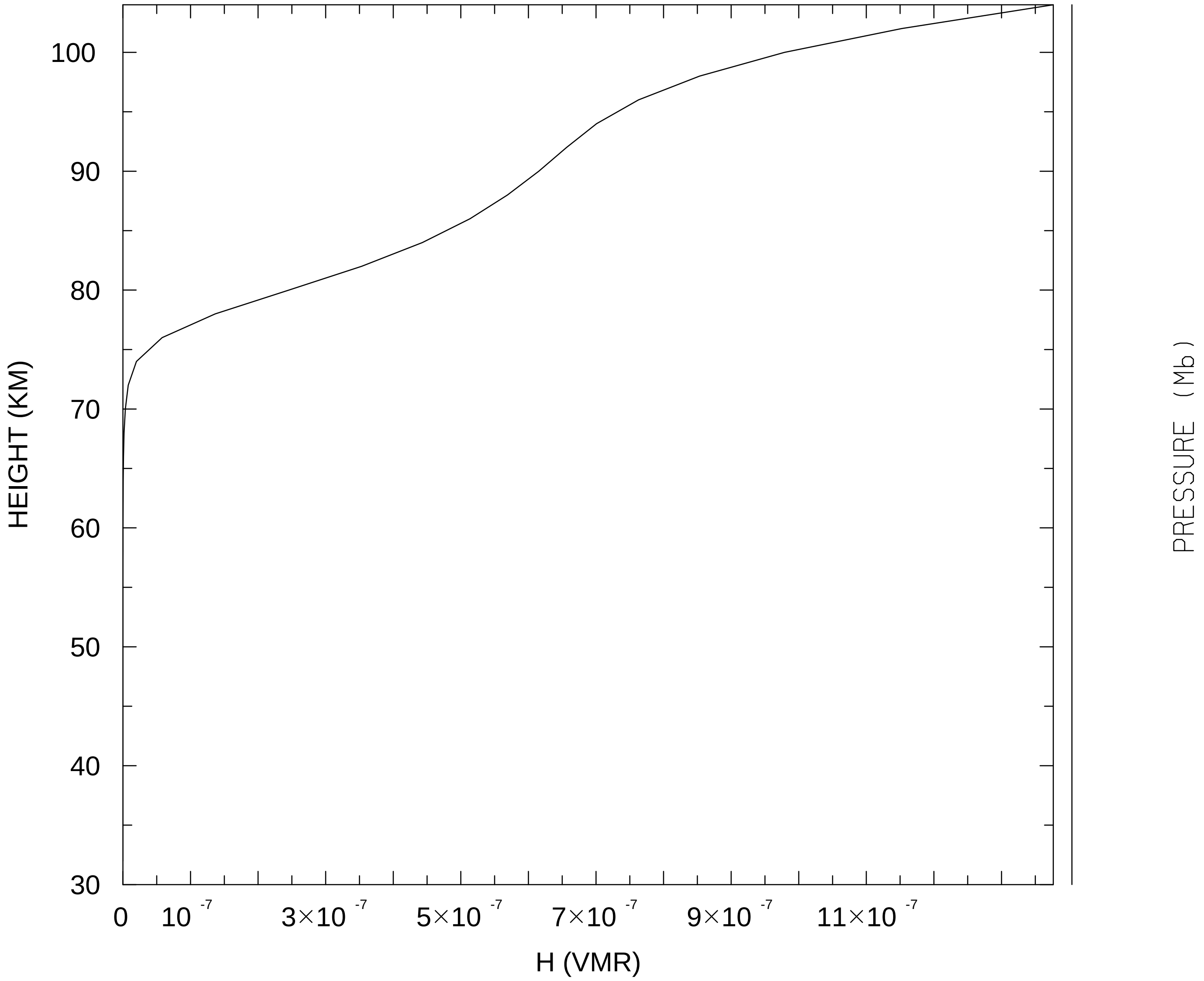


FILE: FOSTER.glbmean1.2_max_15yr_control.nc
MIN,MAX = 0.1760E-03 0.3600E-03
F107D = 200.00

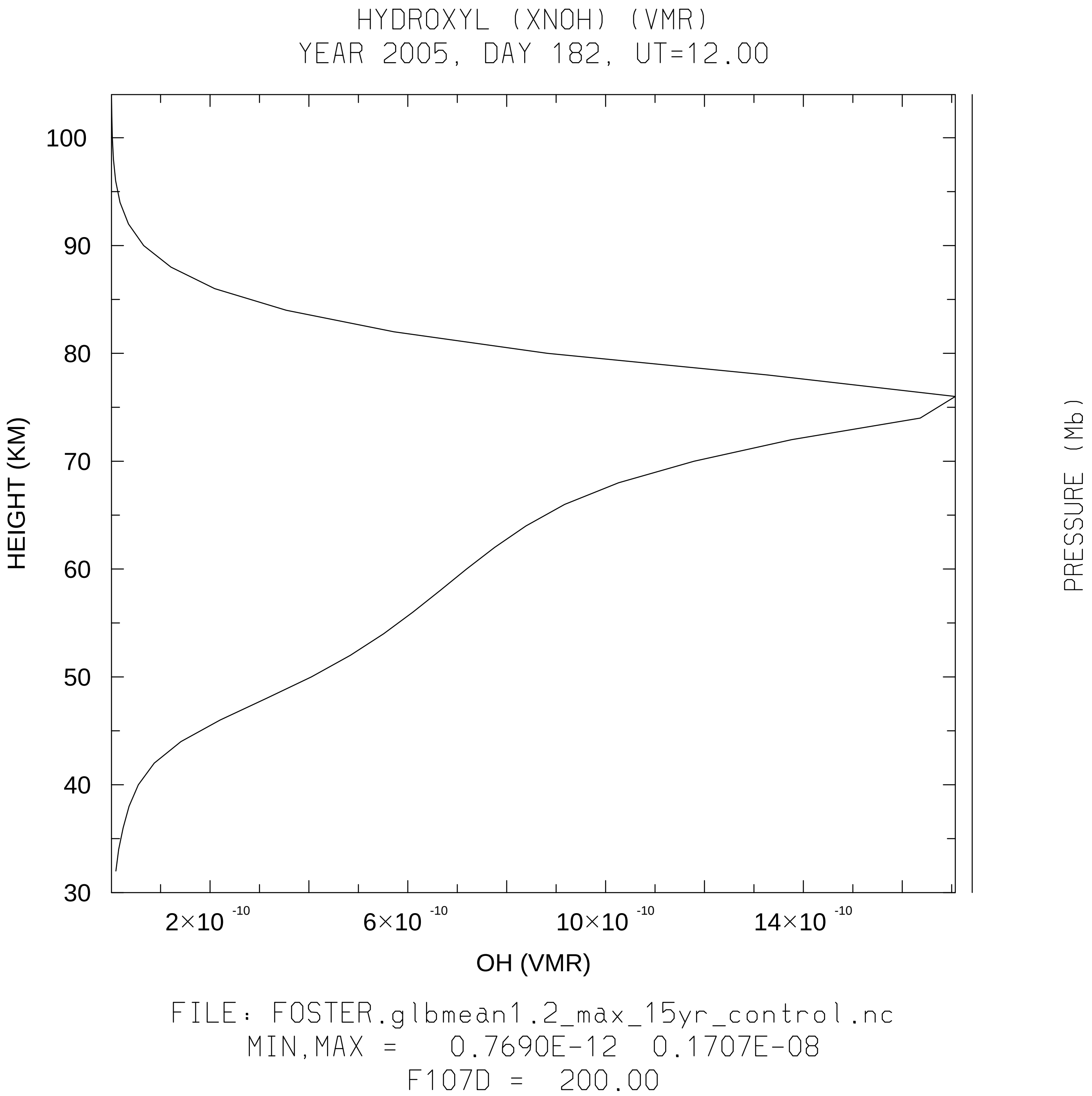


FILE: FOSTER.glbmean1.2_max_15yr_control.nc
MIN,MAX = 0.1552E-07 0.4531E-05
F107D = 200.00

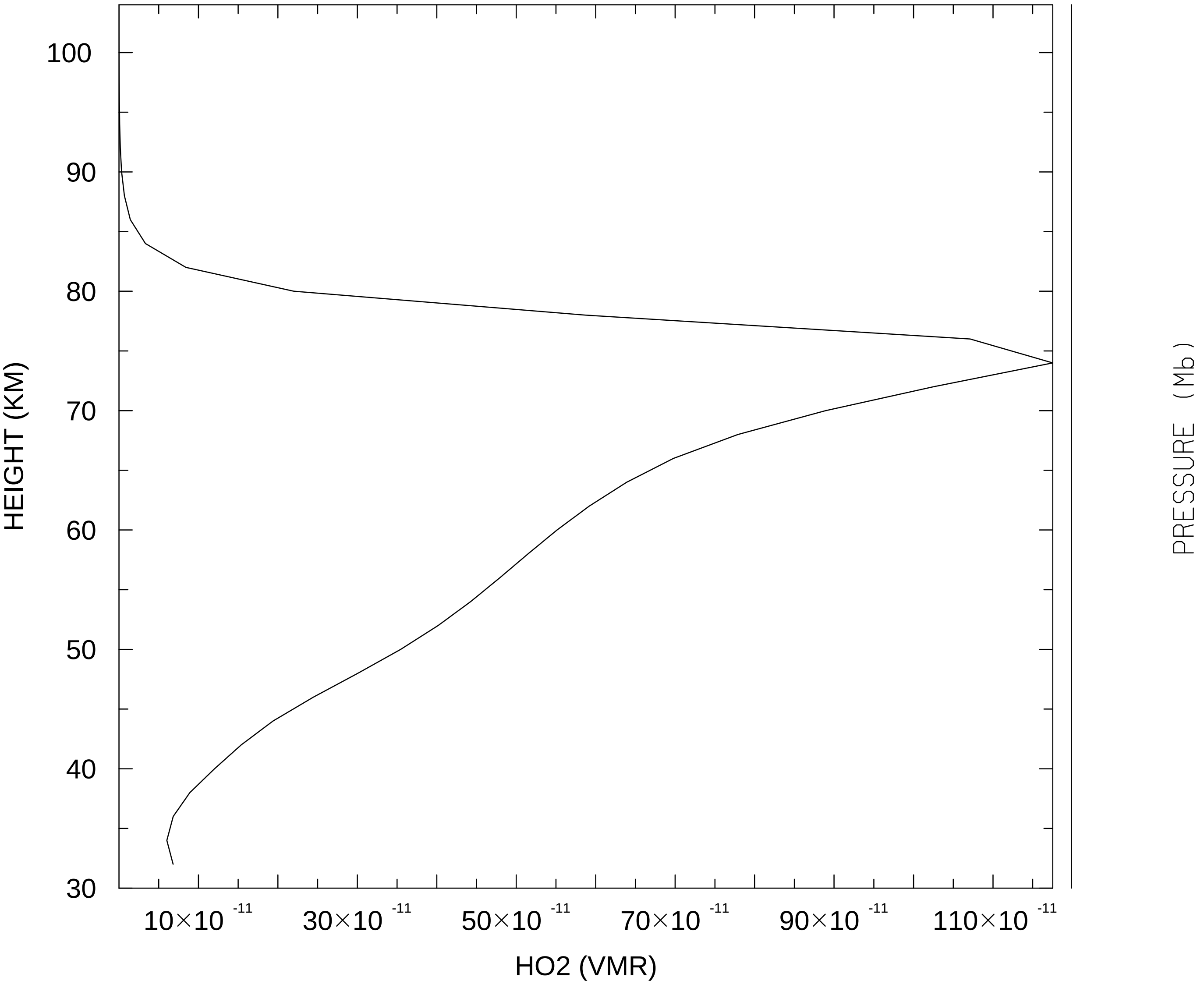
HYDROGEN (XNH) (VMR)
YEAR 2005, DAY 182, UT=12.00



FILE: FOSTER.glbmean1.2_max_15yr_control.nc
MIN,MAX = 0.6469E-17 0.1377E-05
F107D = 200.00

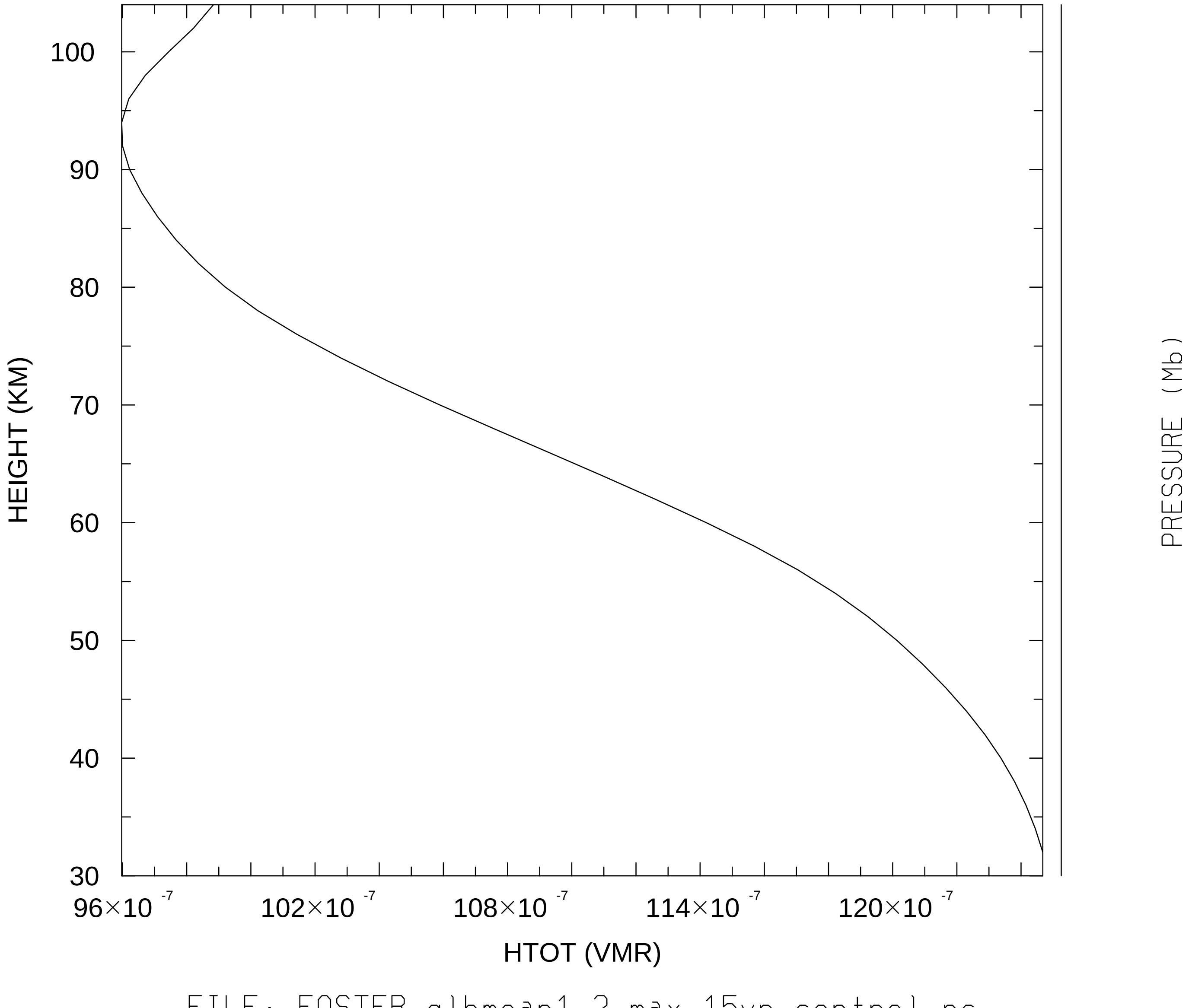

HYDROXYL (XNOH) (VMR)
YEAR 2005, DAY 182, UT=12.00
HEIGHT (KM)
100
90
80
70
60
50
40
30
2×10 -10
6×10 -10
10×10 -10
14×10 -10
OH (VMR)
PRESSURE (Mb)
FILE: FOSTER.glbmean1.2_max_15yr_control.nc
MIN,MAX = 0.7690E-12 0.1707E-08
F107D = 200.00

HYDROGEN DIOXIDE (XNHO2) (VMR)
YEAR 2005, DAY 182, UT=12.00

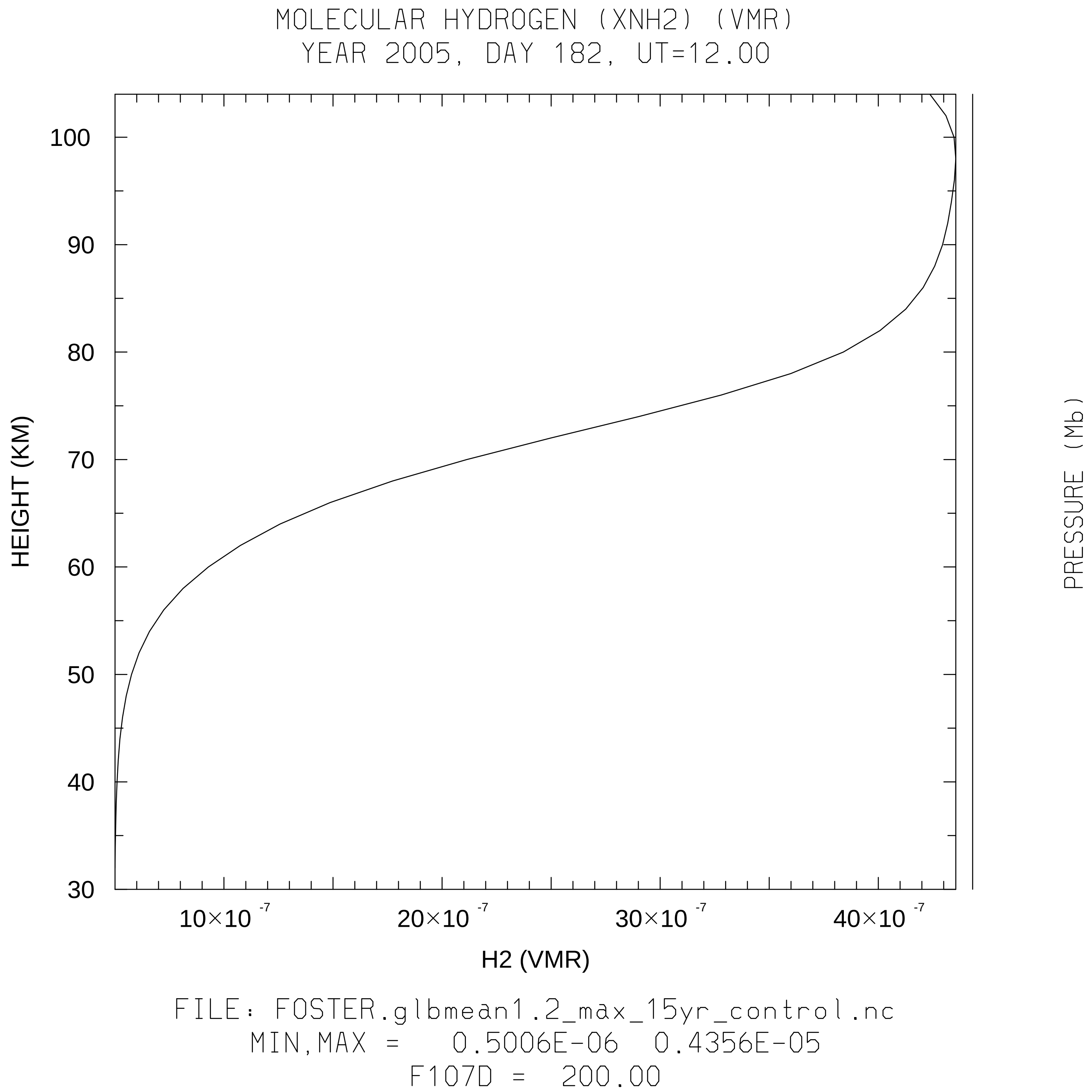


FILE: FOSTER.glbmean1.2_max_15yr_control.nc
MIN,MAX = 0.2455E-13 0.1175E-08
F107D = 200.00

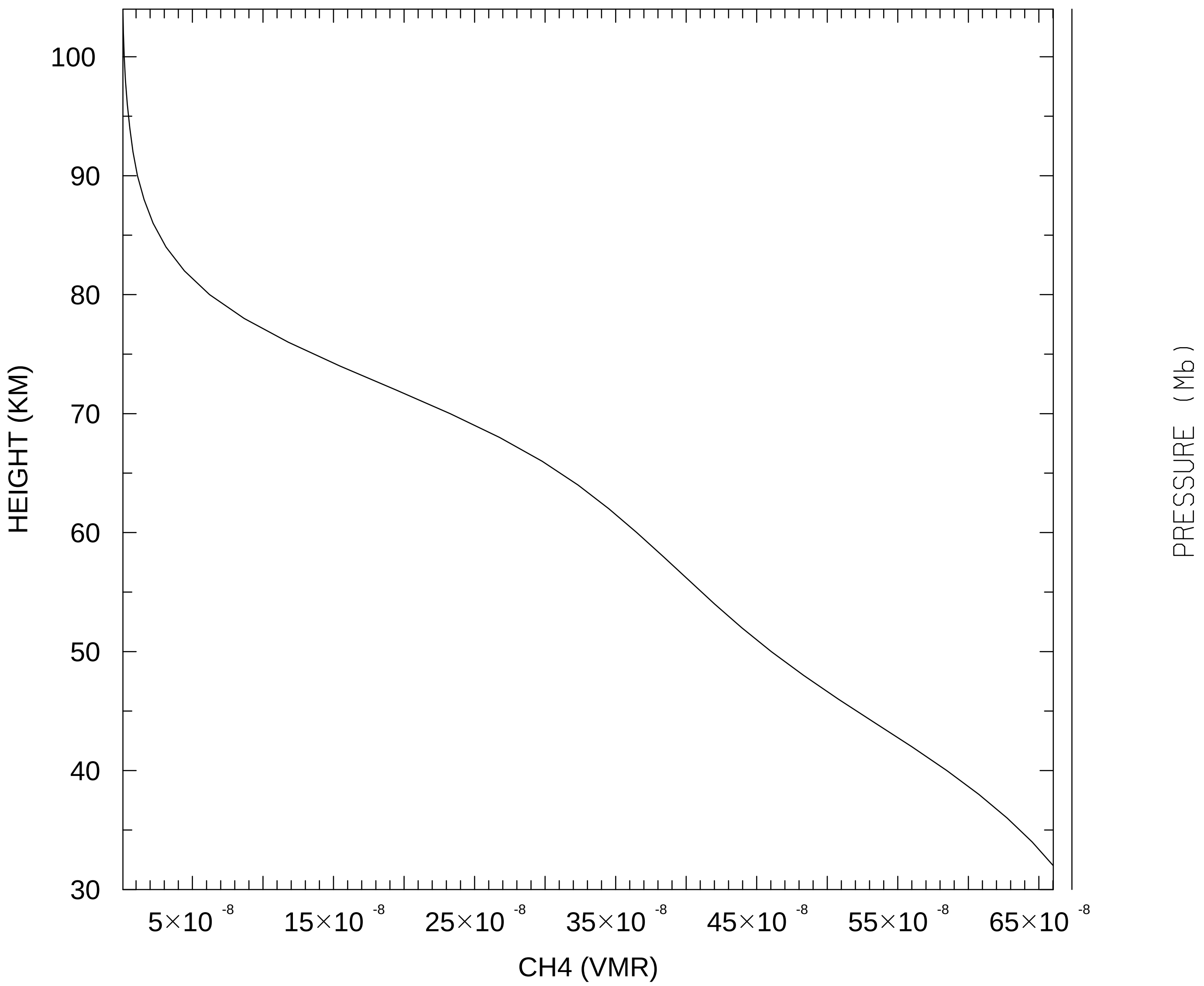
TOTAL HYDROGEN (XNHTOT) (VMR)
YEAR 2005, DAY 182, UT=12.00



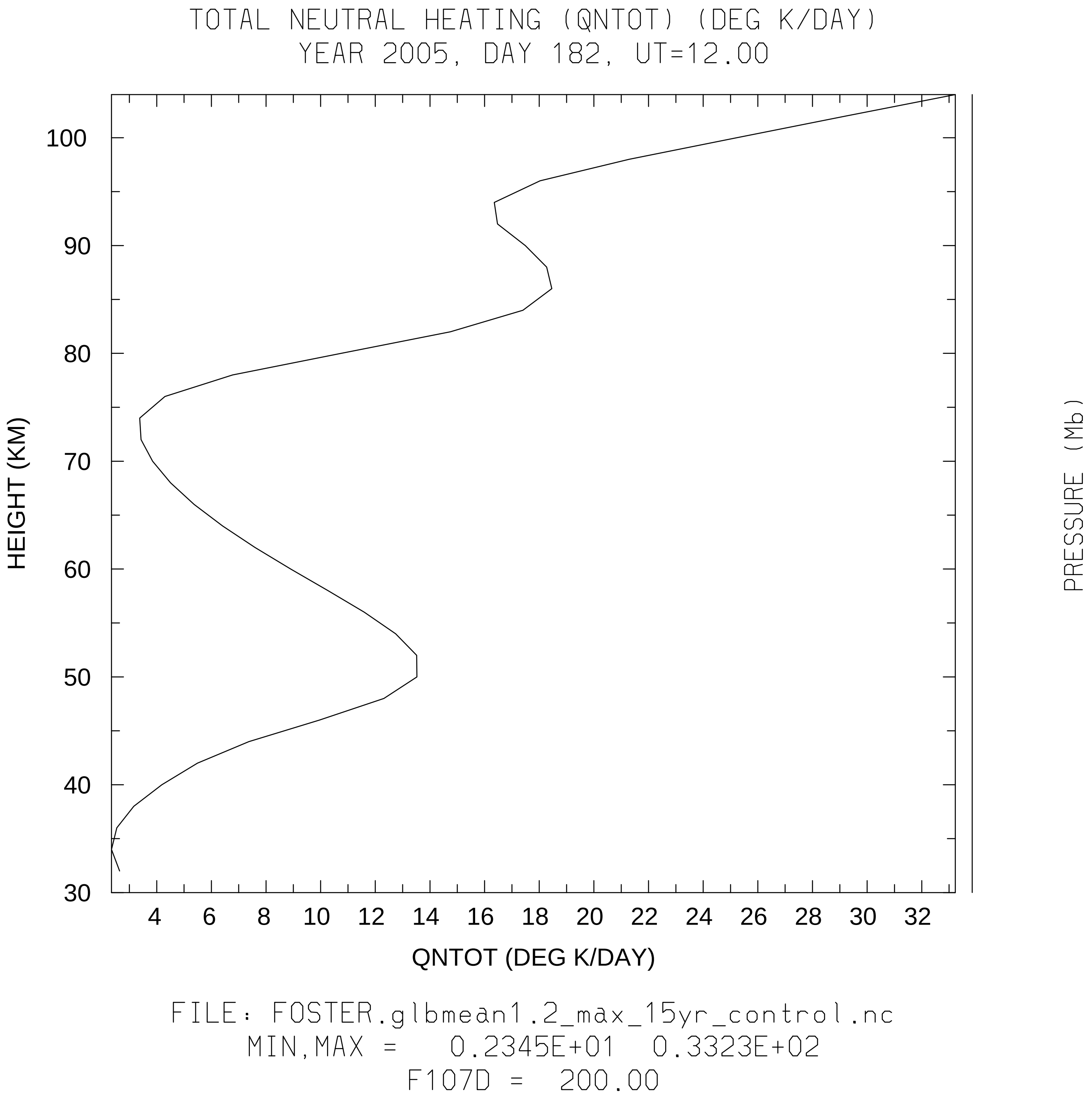
FILE: FOSTER.glbmean1.2_max_15yr_control.nc
MIN,MAX = 0.9598E-05 0.1247E-04
F107D = 200.00


MOLECULAR HYDROGEN (XNH2) (VMR)
YEAR 2005, DAY 182, UT=12.00
HEIGHT (KM)
100
90
80
70
60
50
40
30
10×10 -7
20×10 -7
30×10 -7
40×10 -7
H2 (VMR)
PRESSURE (Mb)
FILE: FOSTER.glbmean1.2_max_15yr_control.nc
MIN,MAX = 0.5006E-06 0.4356E-05
F107D = 200.00

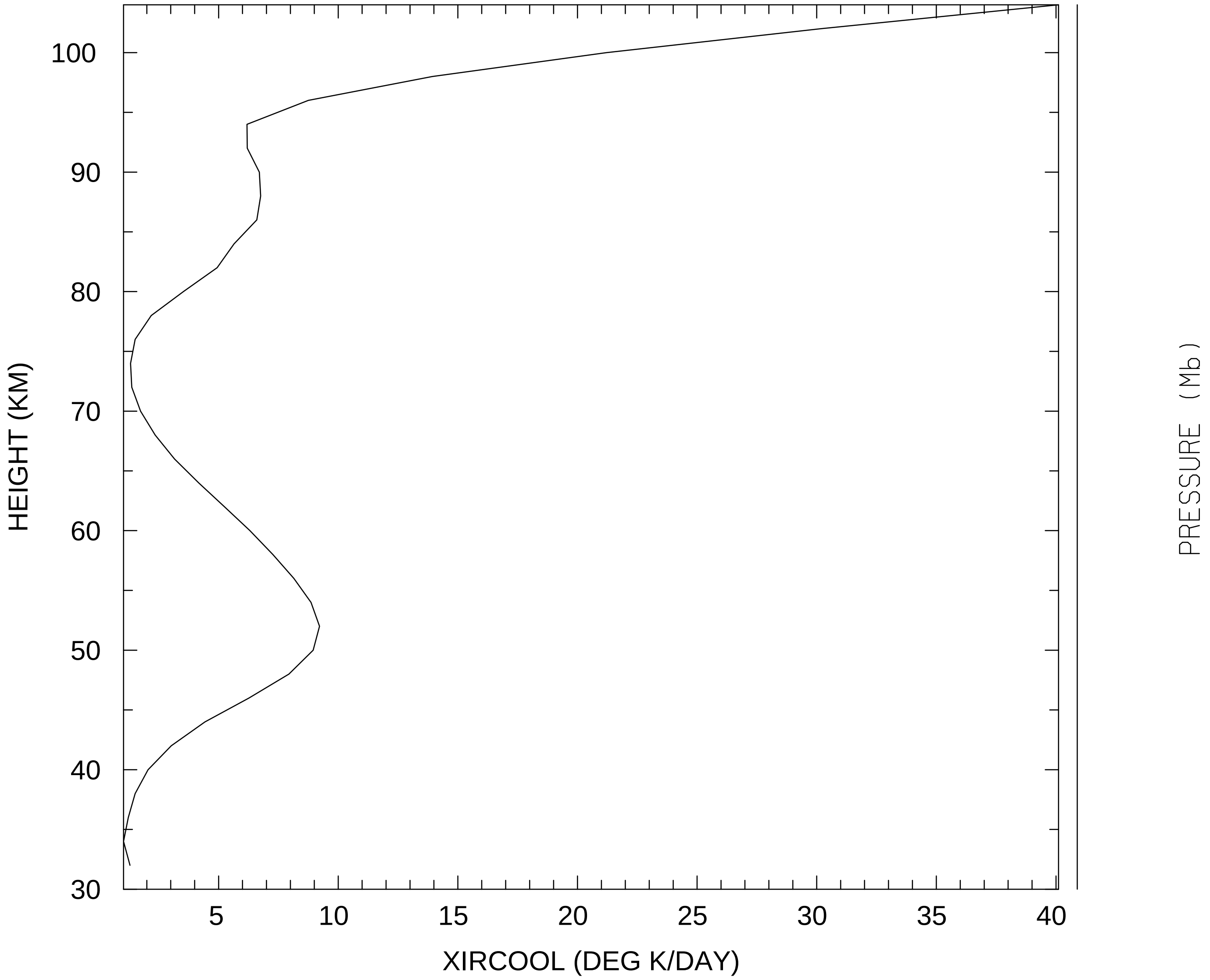
METHANE (XNCH4) (VMR)
YEAR 2005, DAY 182, UT=12.00



FILE: FOSTER.glbmean1.2_max_15yr_control.nc
MIN,MAX = 0.7245E-09 0.6603E-06
F107D = 200.00

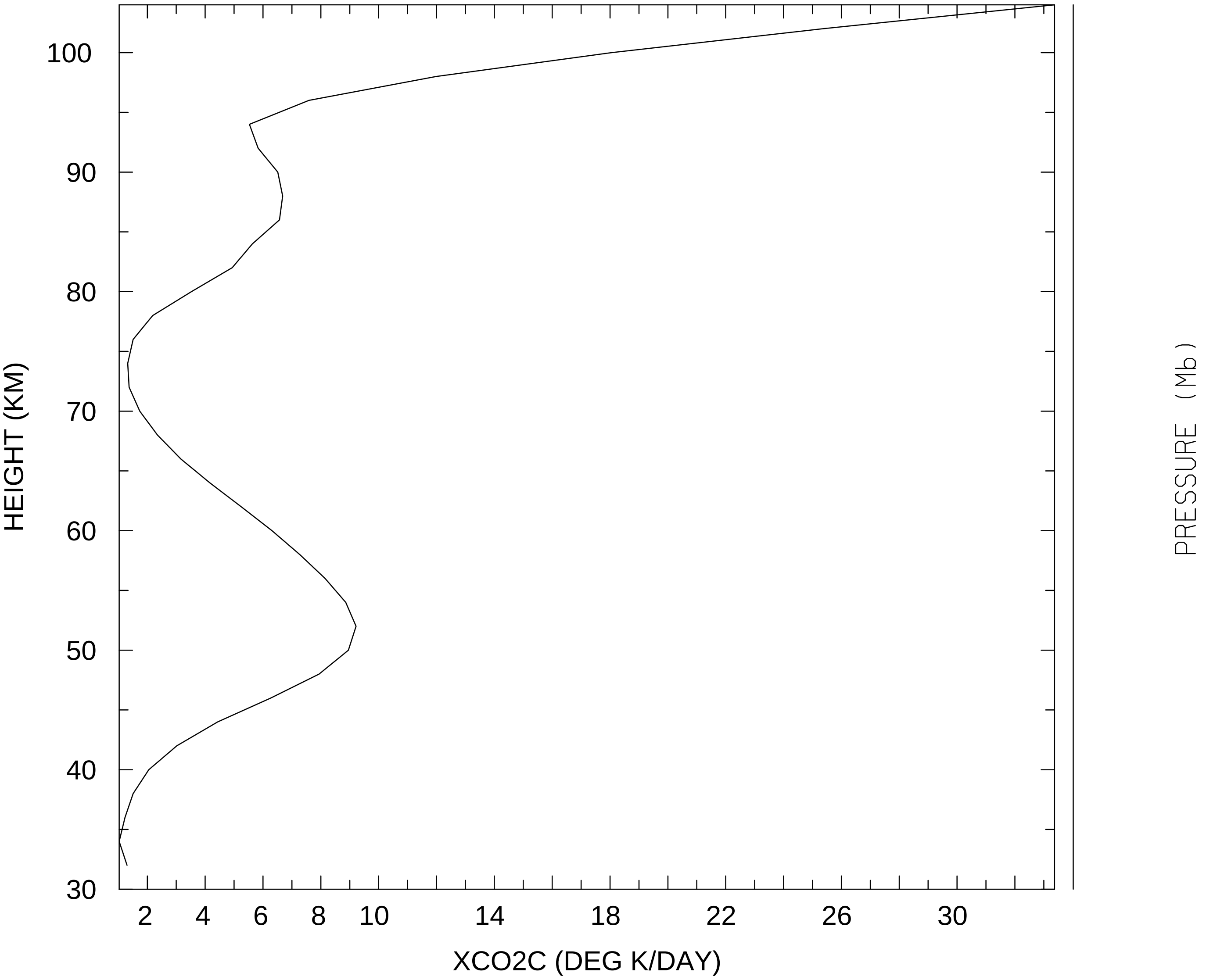

TOTAL NEUTRAL HEATING (QNTOT) (DEG K/DAY)
YEAR 2005, DAY 182, UT=12.00
HEIGHT (KM)
100
90
80
70
60
50
40
30
4 6 8 10 12 14 16 18 20 22 24 26 28 30 32
QNTOT (DEG K/DAY)
PRESSURE (Mb)
FILE: FOSTER.glbmean1.2_max_15yr_control.nc
MIN,MAX = 0.2345E+01 0.3323E+02
F107D = 200.00

TOTAL INFRA-RED COOLING (XIRCOOL) (DEG K/DAY)
YEAR 2005, DAY 182, UT=12.00

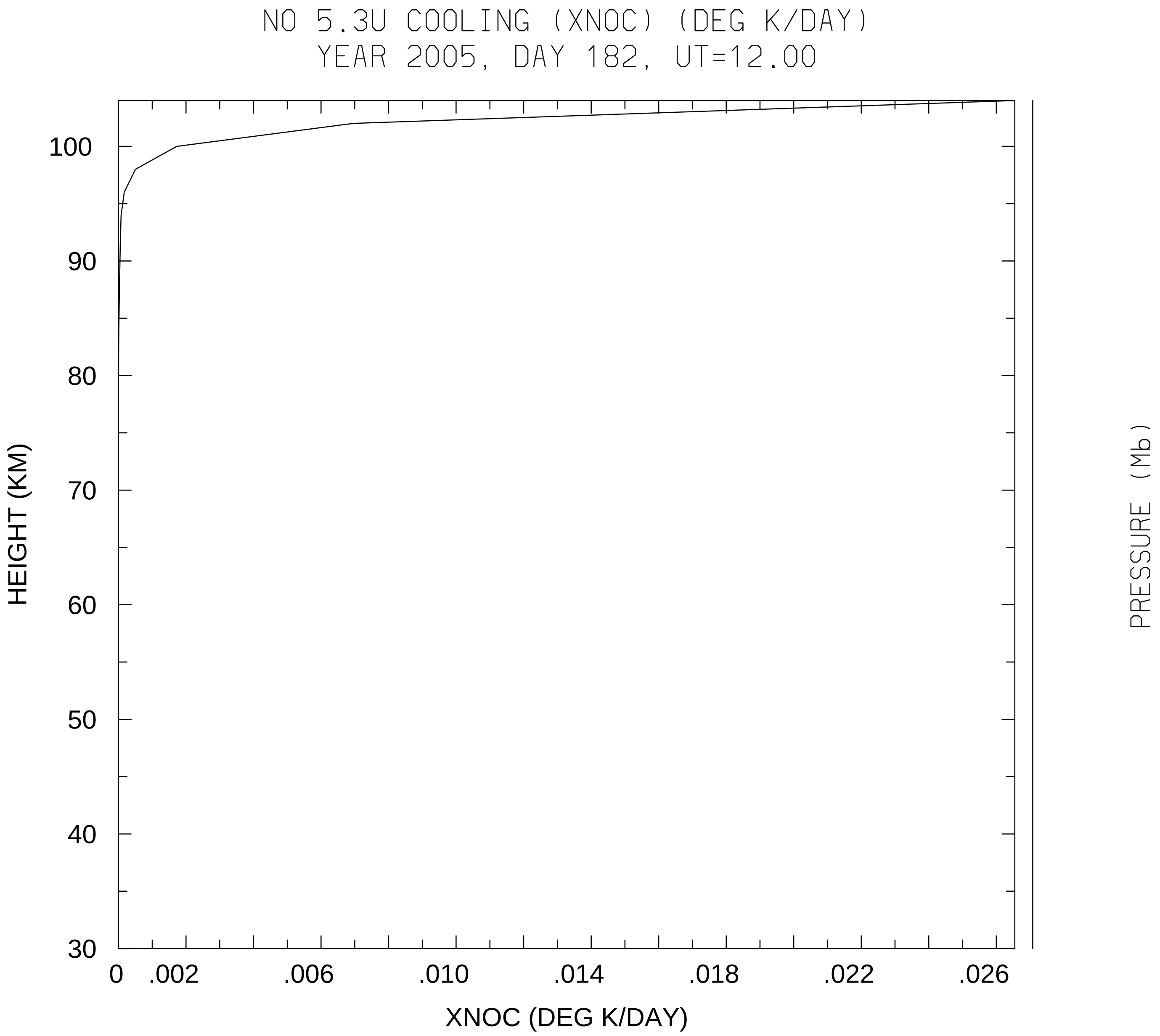


FILE: FOSTER.glbmean1.2_max_15yr_control.nc
MIN,MAX = 0.1028E+01 0.4011E+02
F107D = 200.00

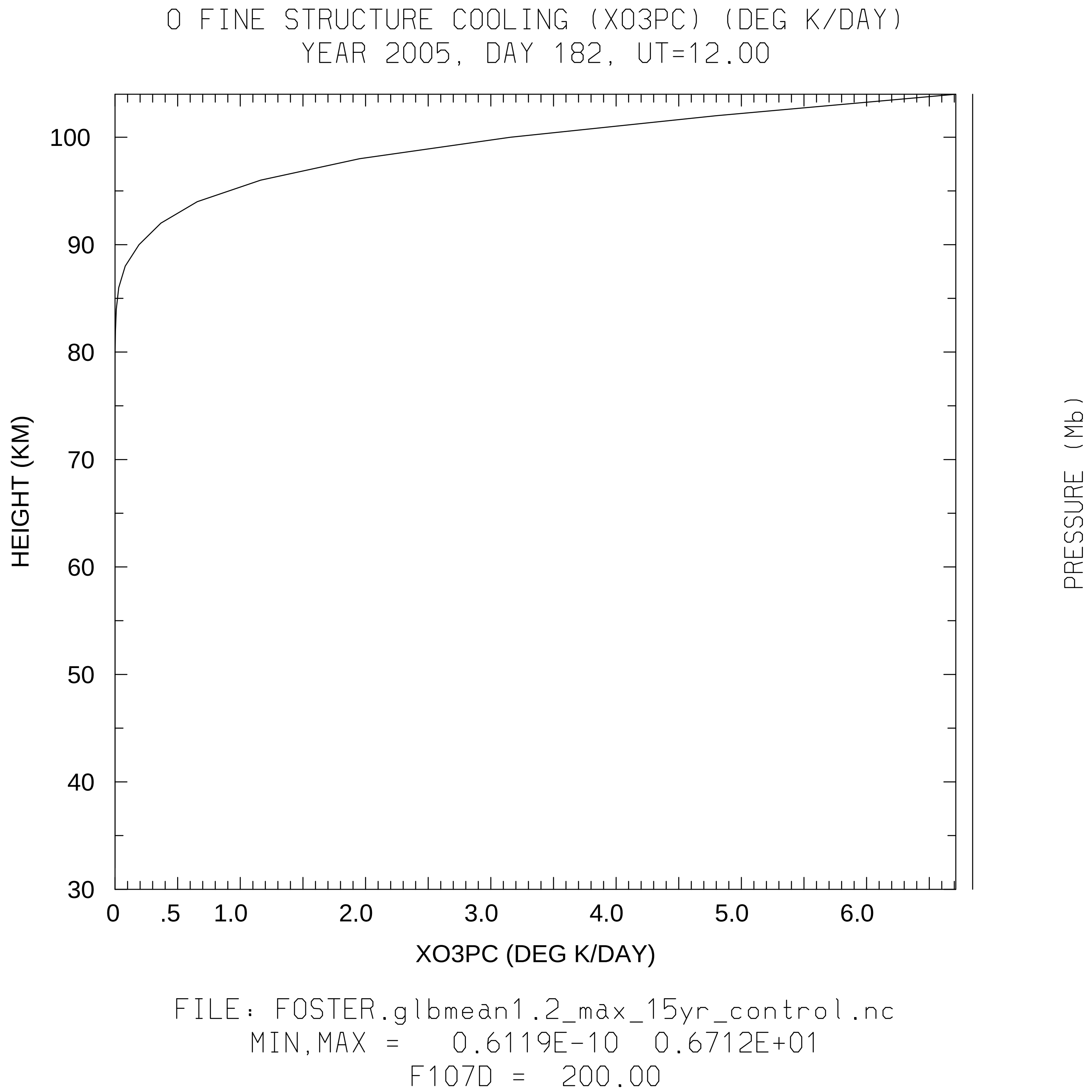
CO2 15U COOLING (XCO2C) (DEG K/DAY)
YEAR 2005, DAY 182, UT=12.00



FILE: FOSTER.glbmean1.2_max_15yr_control.nc
MIN,MAX = 0.1028E+01 0.3337E+02
F107D = 200.00

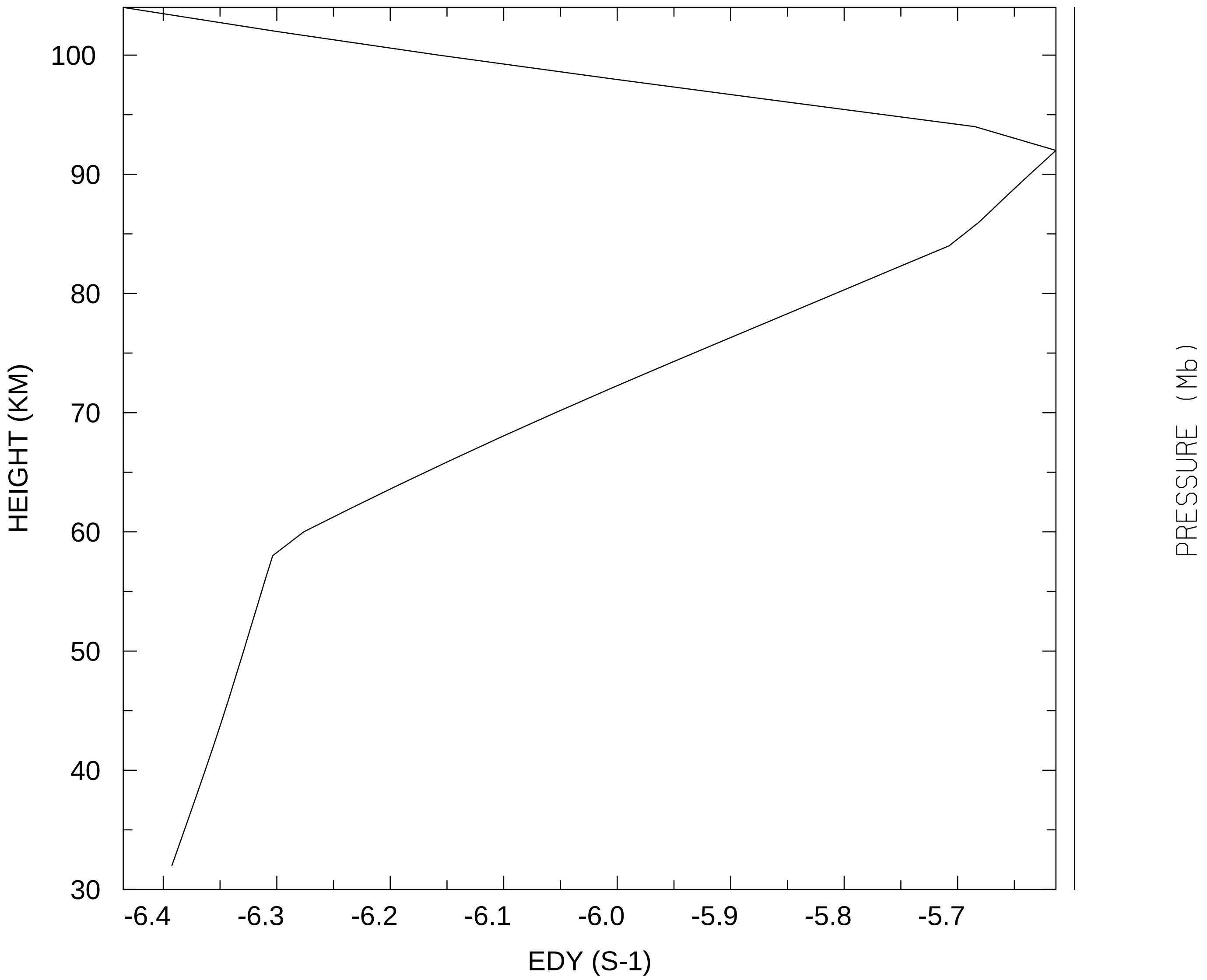


FILE: FOSTER.glbmean1.2_max_15yr_control.nc
MIN,MAX = 0.5839E-09 0.2655E-01
F107D = 200.00



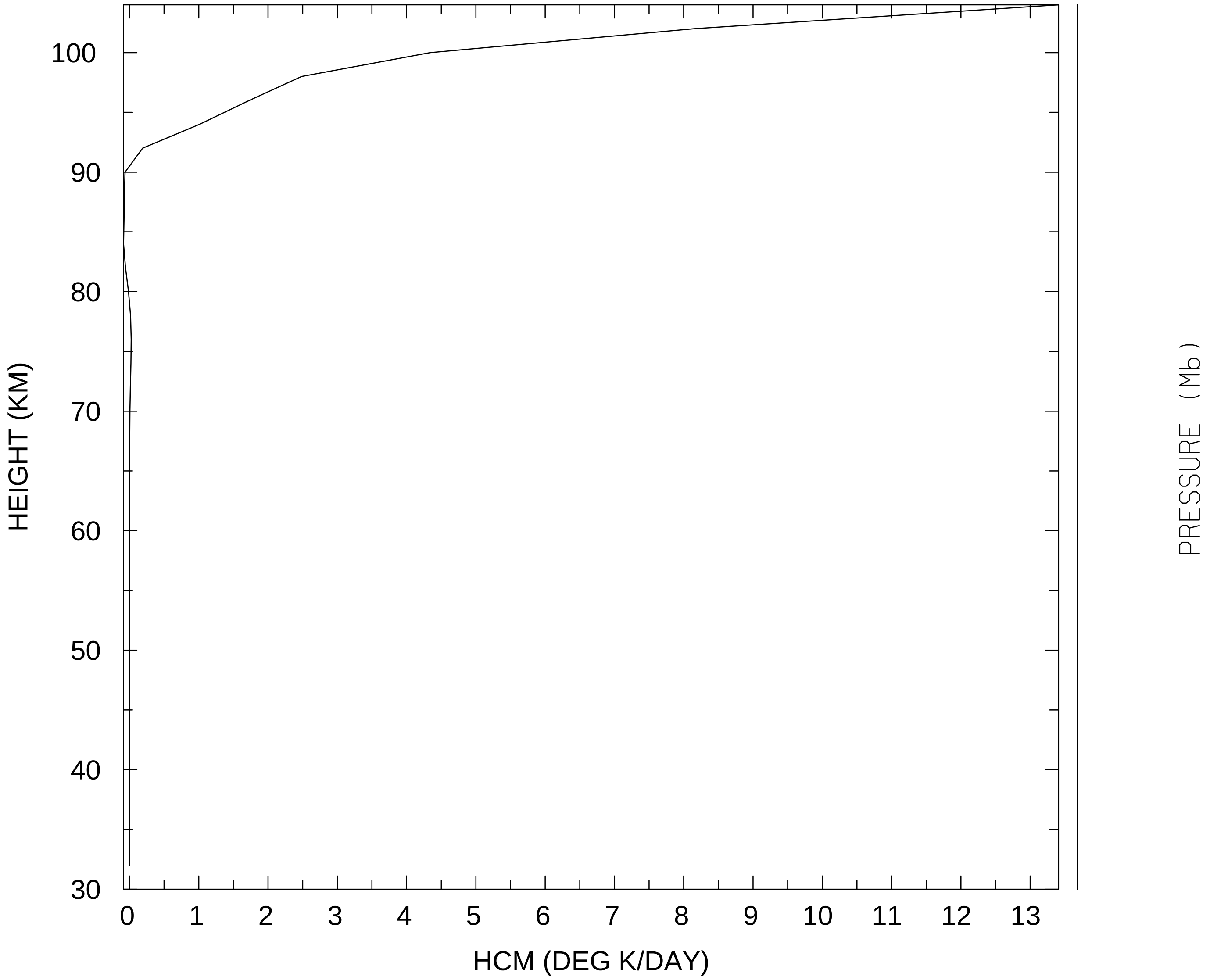
O FINE STRUCTURE COOLING (XO3PC) (DEG K/DAY)
YEAR 2005, DAY 182, UT=12.00
HEIGHT (KM)
100
90
80
70
60
50
40
30
0
.5
1.0
2.0
3.0
4.0
5.0
6.0
XO3PC (DEG K/DAY)
PRESSURE (Mb)
FILE: FOSTER.glbmean1.2_max_15yr_control.nc
MIN,MAX = 0.6119E-10 0.6712E+01
F107D = 200.00

LOG10 EDDY DIFFUSION (EDY) (S-1)
YEAR 2005, DAY 182, UT=12.00

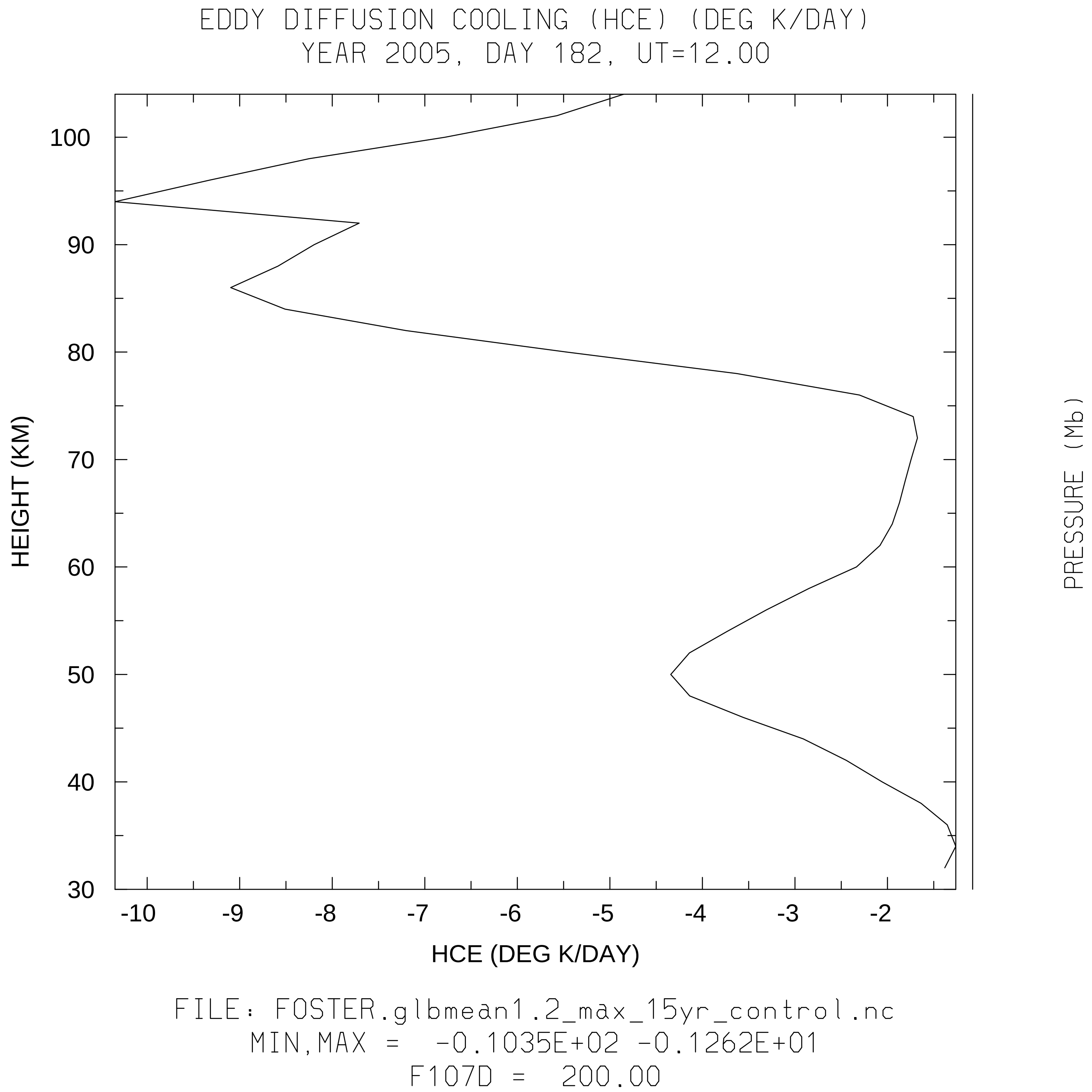


FILE: FOSTER.glbmean1.2_max_15yr_control.nc
MIN,MAX = -0.6435E+01 -0.5613E+01
F107D = 200.00

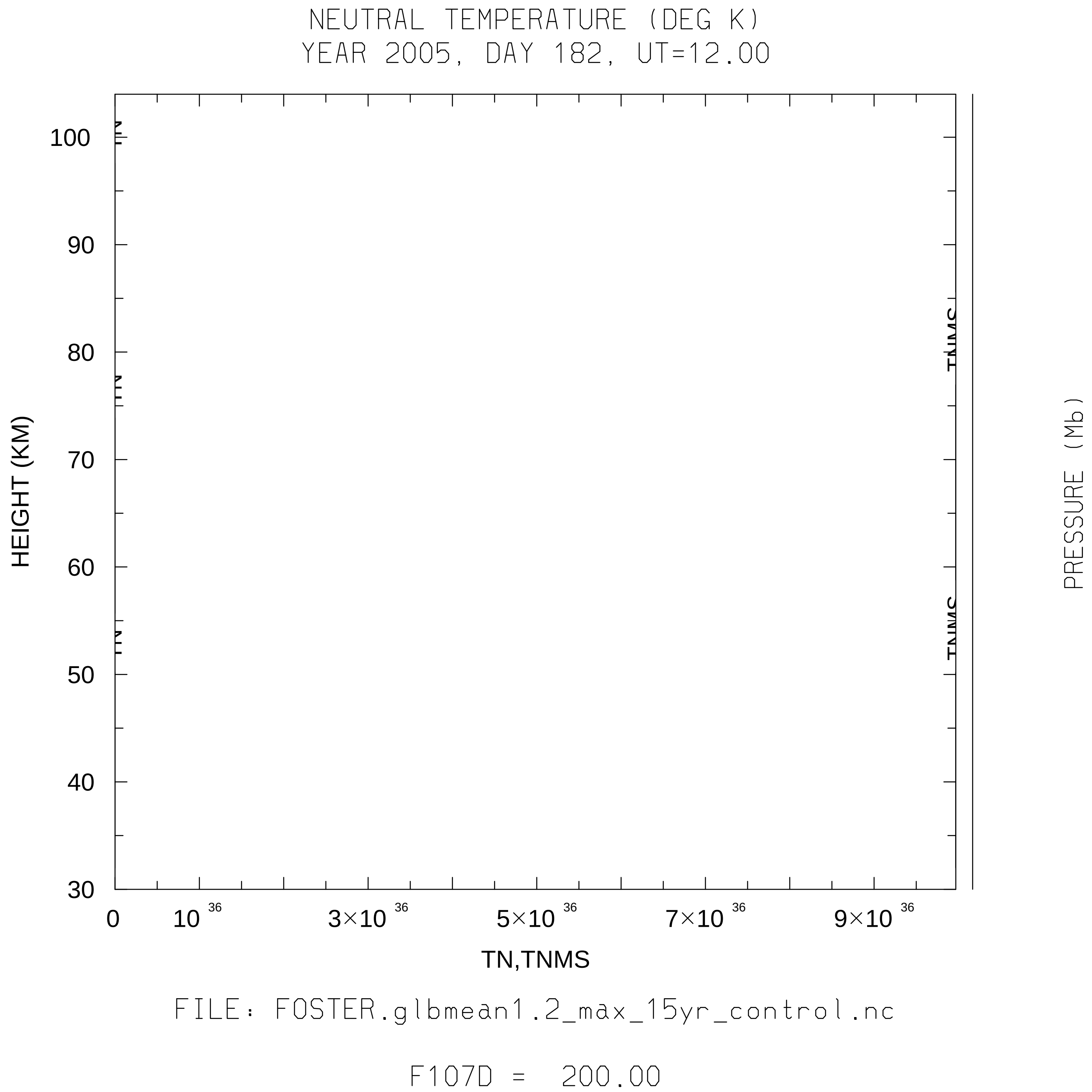
MOLECULAR DIFFUSION COOLING (HCM) (DEG K/DAY)
YEAR 2005, DAY 182, UT=12.00



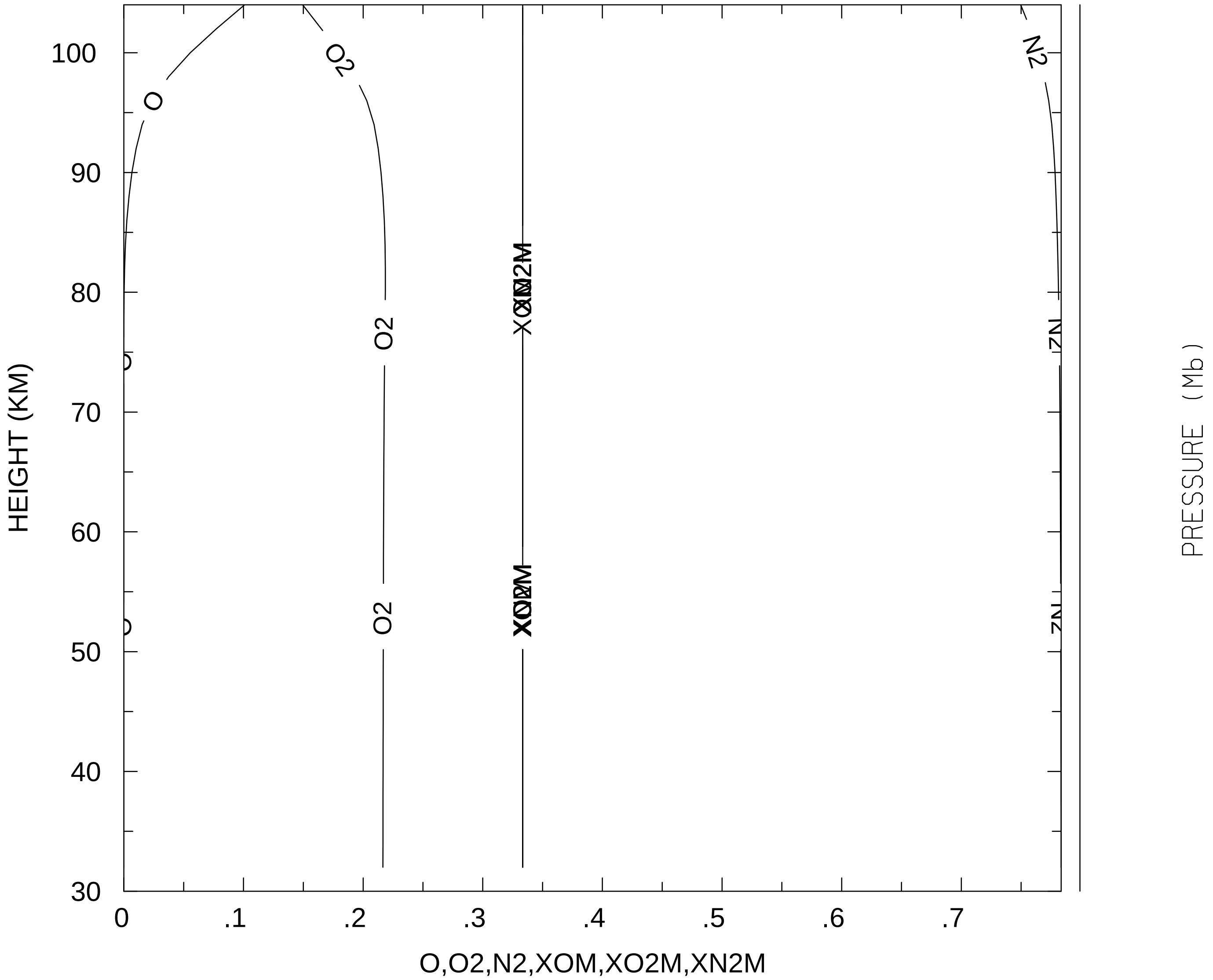
FILE: FOSTER.glbmean1.2_max_15yr_control.nc
MIN,MAX = -0.8526E-01 0.1341E+02
F107D = 200.00



EDDY DIFFUSION COOLING (HCE) (DEG K/DAY)
YEAR 2005, DAY 182, UT=12.00
HEIGHT (KM)
PRESSURE (Mb)
100
90
80
70
60
50
40
30
-10
-9
-8
-7
-6
-5
-4
-3
-2
HCE (DEG K/DAY)
FILE: FOSTER.glbmean1.2_max_15yr_control.nc
MIN,MAX = -0.1035E+02 -0.1262E+01
F107D = 200.00


NEUTRAL TEMPERATURE (DEG K)
YEAR 2005, DAY 182, UT=12.00
HEIGHT (KM)
100
90
80
70
60
50
40
30
0
10^{36}
3×10^{36}
5×10^{36}
7×10^{36}
9×10^{36}
TN,TNMS
TNMS
TNMS
PRESSURE (Mb)
FILE: FOSTER.glbmean1.2_max_15yr_control.nc
F107D = 200.00

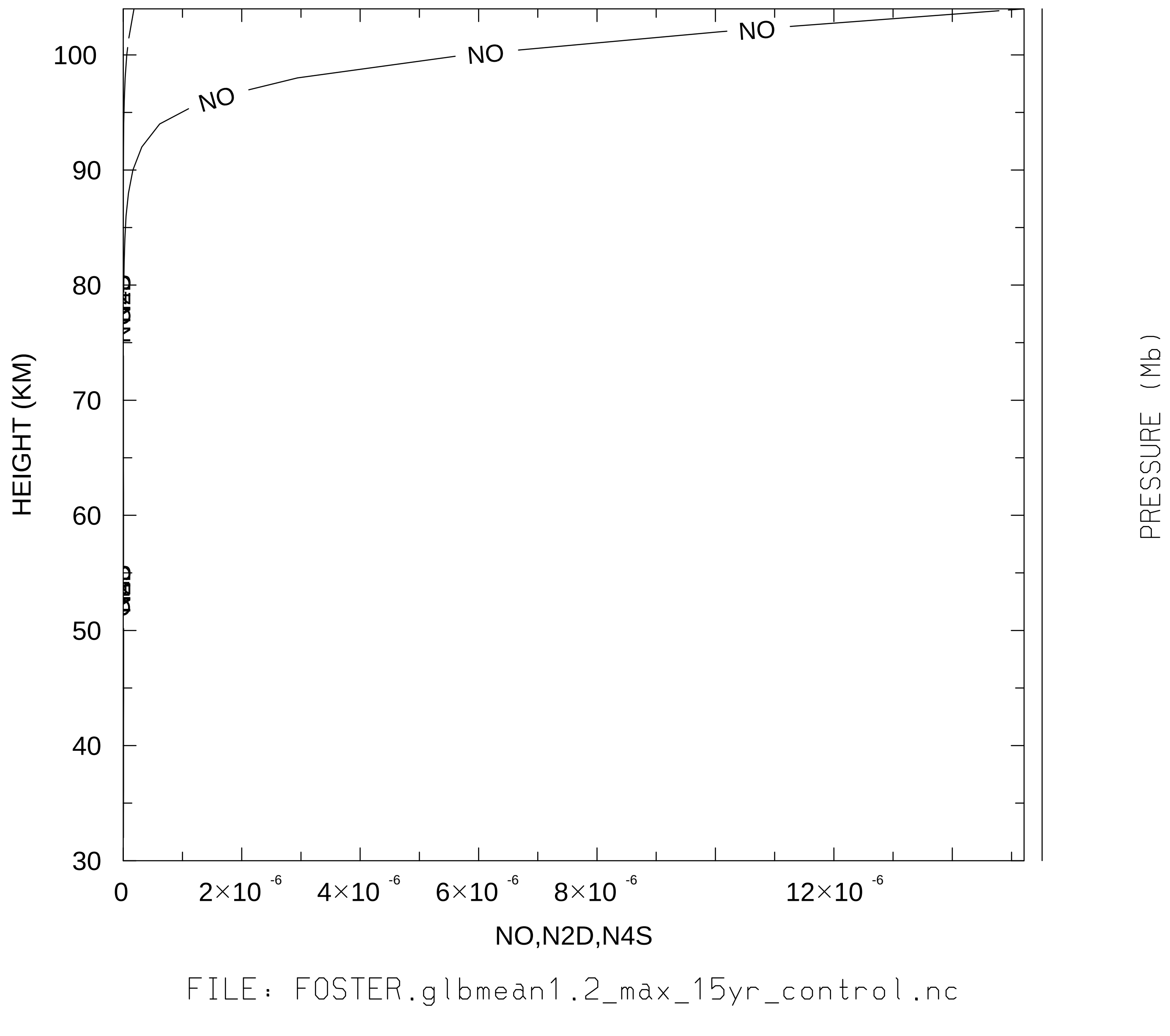
MAJOR SPECIES (VMR)
YEAR 2005, DAY 182, UT=12.00



FILE: FOSTER.glbmean1.2_max_15yr_control.nc

F107D = 200.00

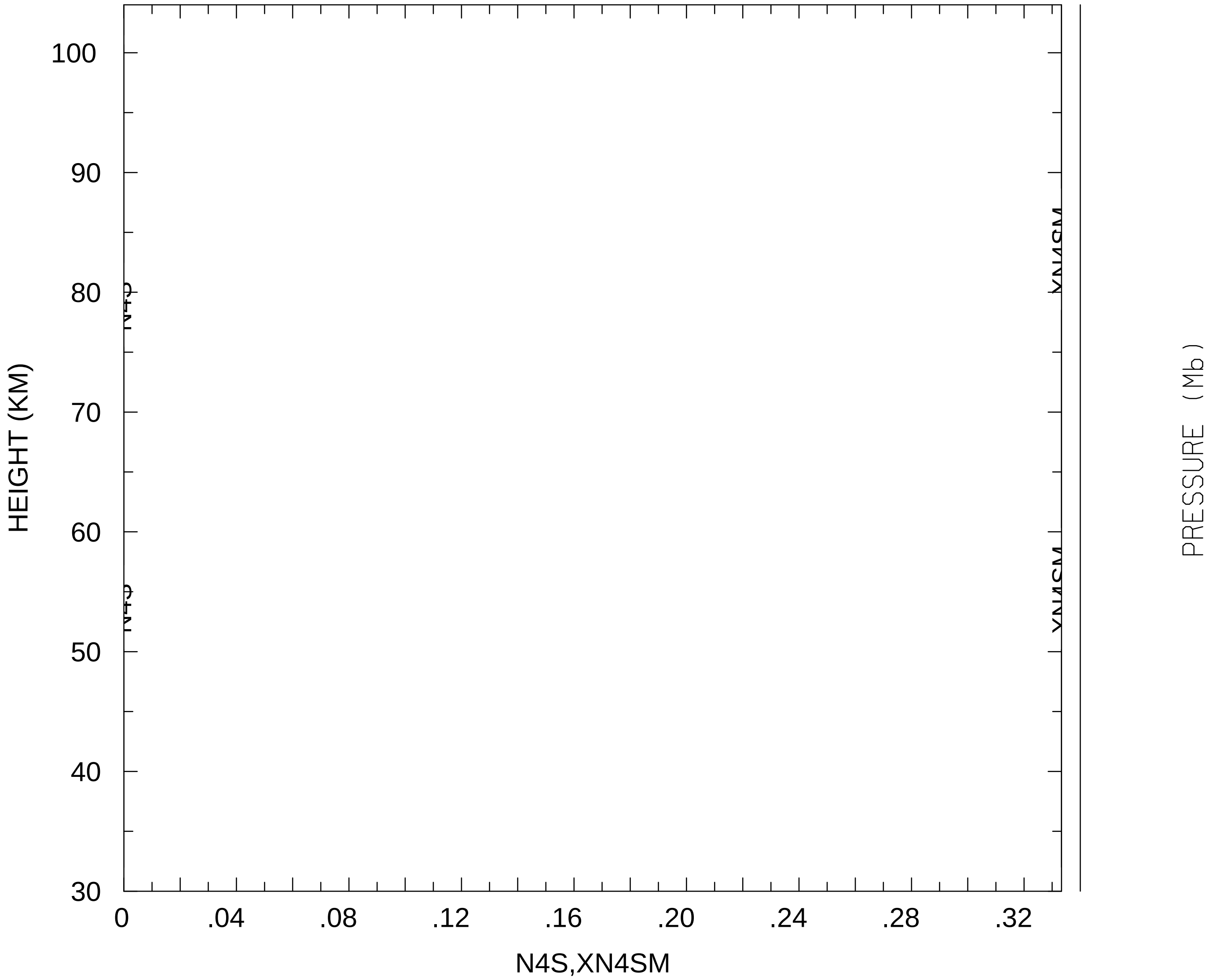
NITROGEN SPECIES (VMR)
YEAR 2005, DAY 182, UT=12.00



FILE: FOSTER.glbmean1.2_max_15yr_control.nc

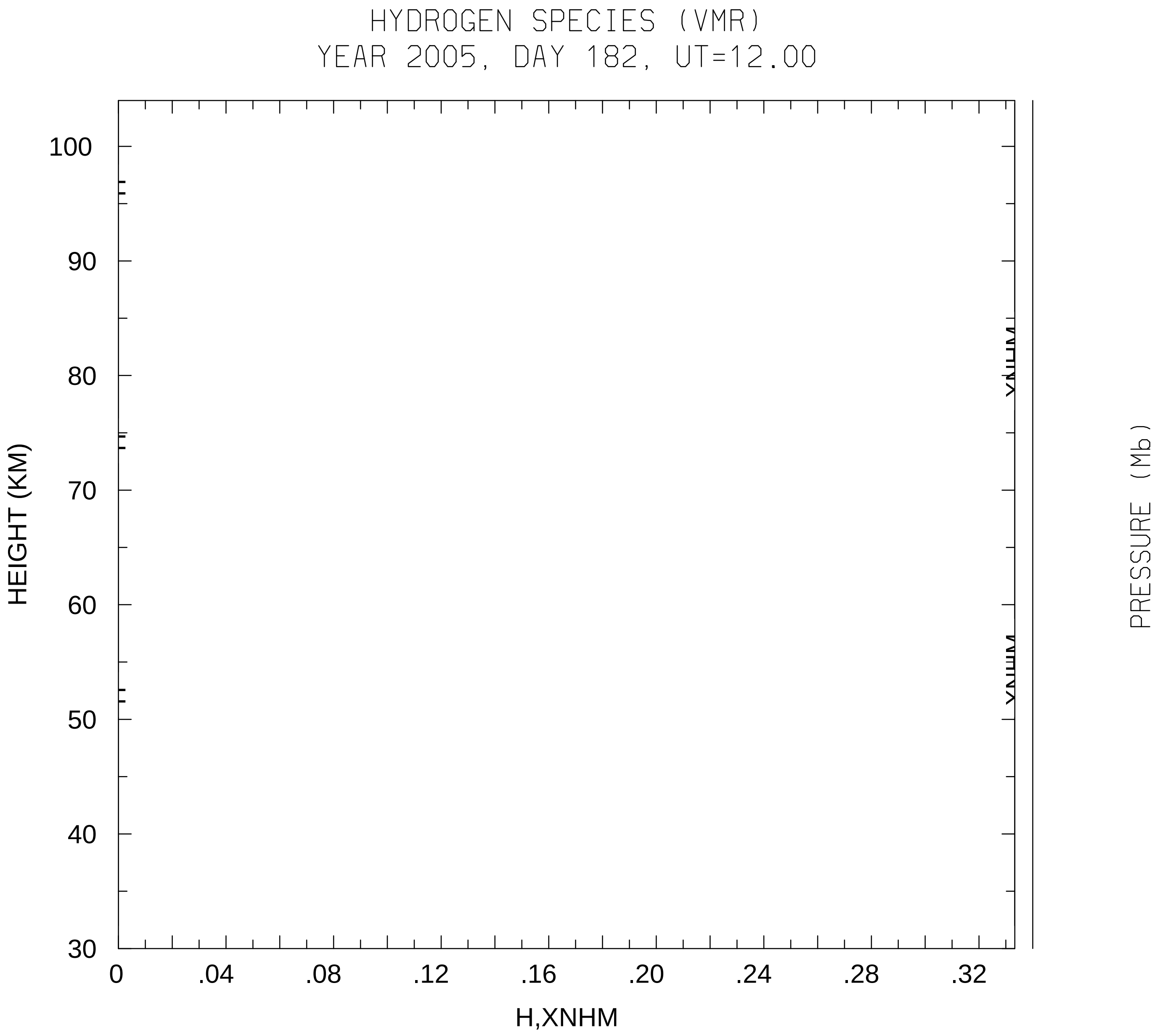
F107D = 200.00

NITROGEN SPECIES (VMR)
YEAR 2005, DAY 182, UT=12.00



FILE: FOSTER.glbmean1.2_max_15yr_control.nc

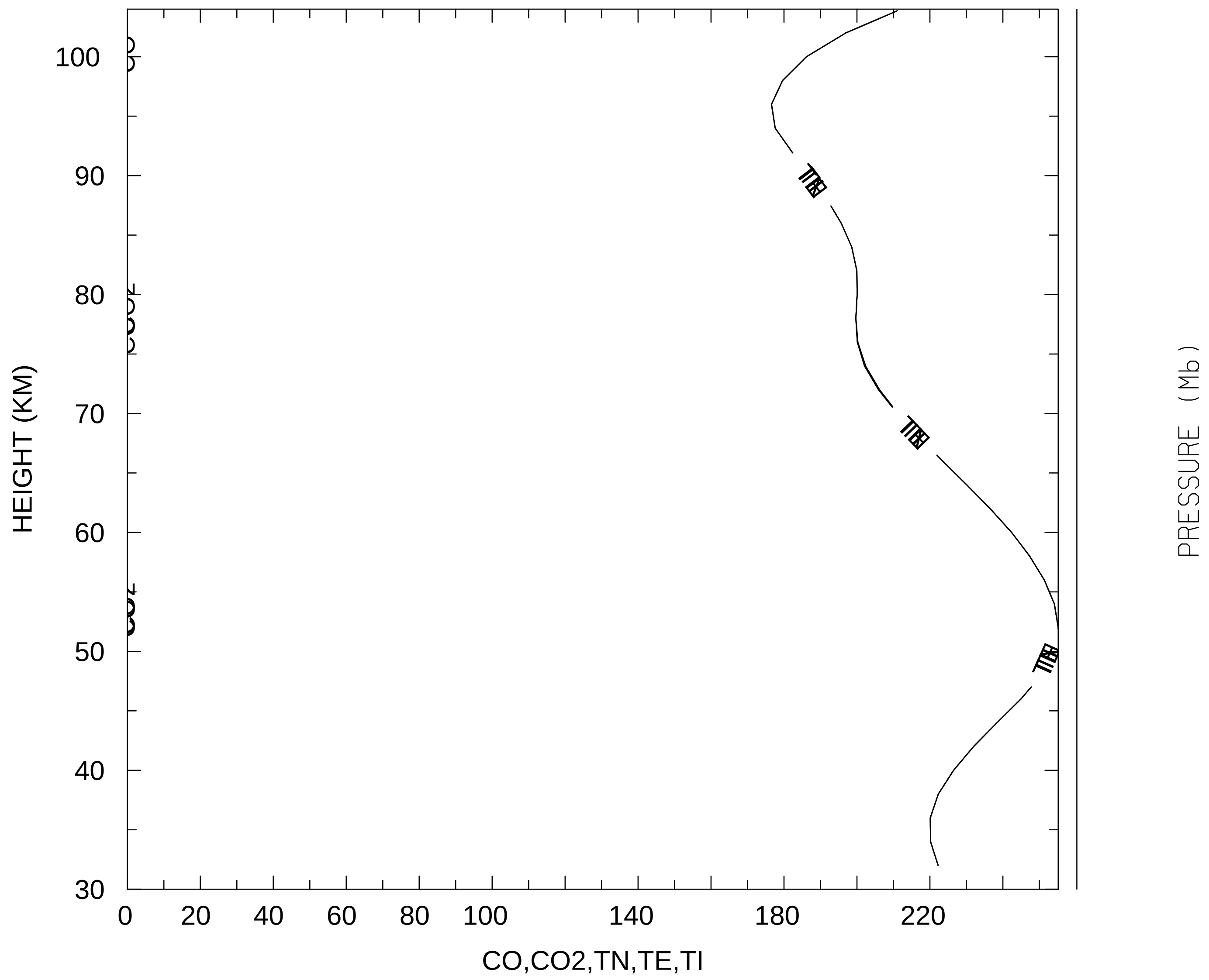
F107D = 200.00



FILE: FOSTER.glbmean1.2_max_15yr_control.nc

F107D = 200.00

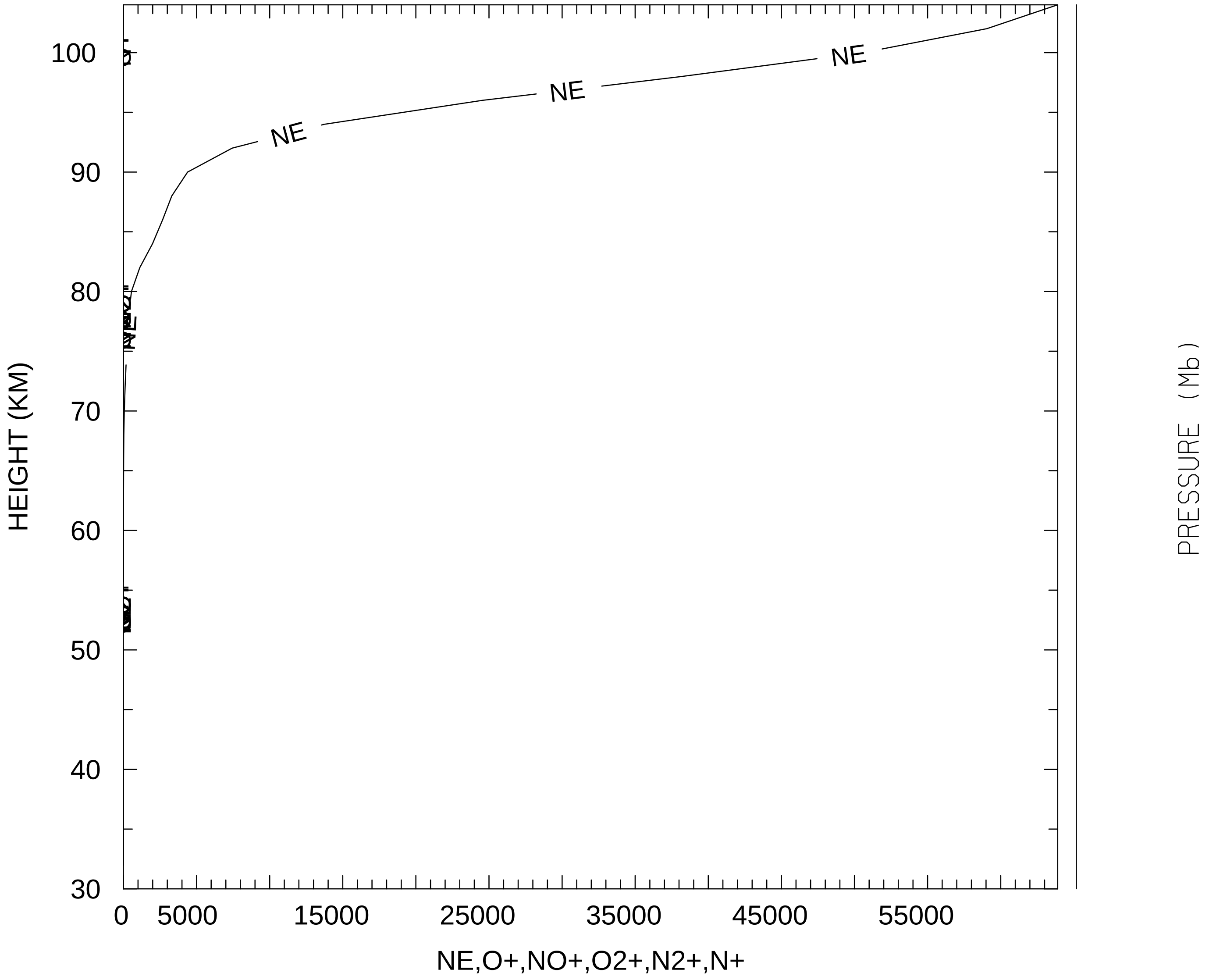
CARBON SPECIES
YEAR 2005, DAY 182, UT=12.00



FILE: FOSTER.glbmean1.2_max_15yr_control.nc

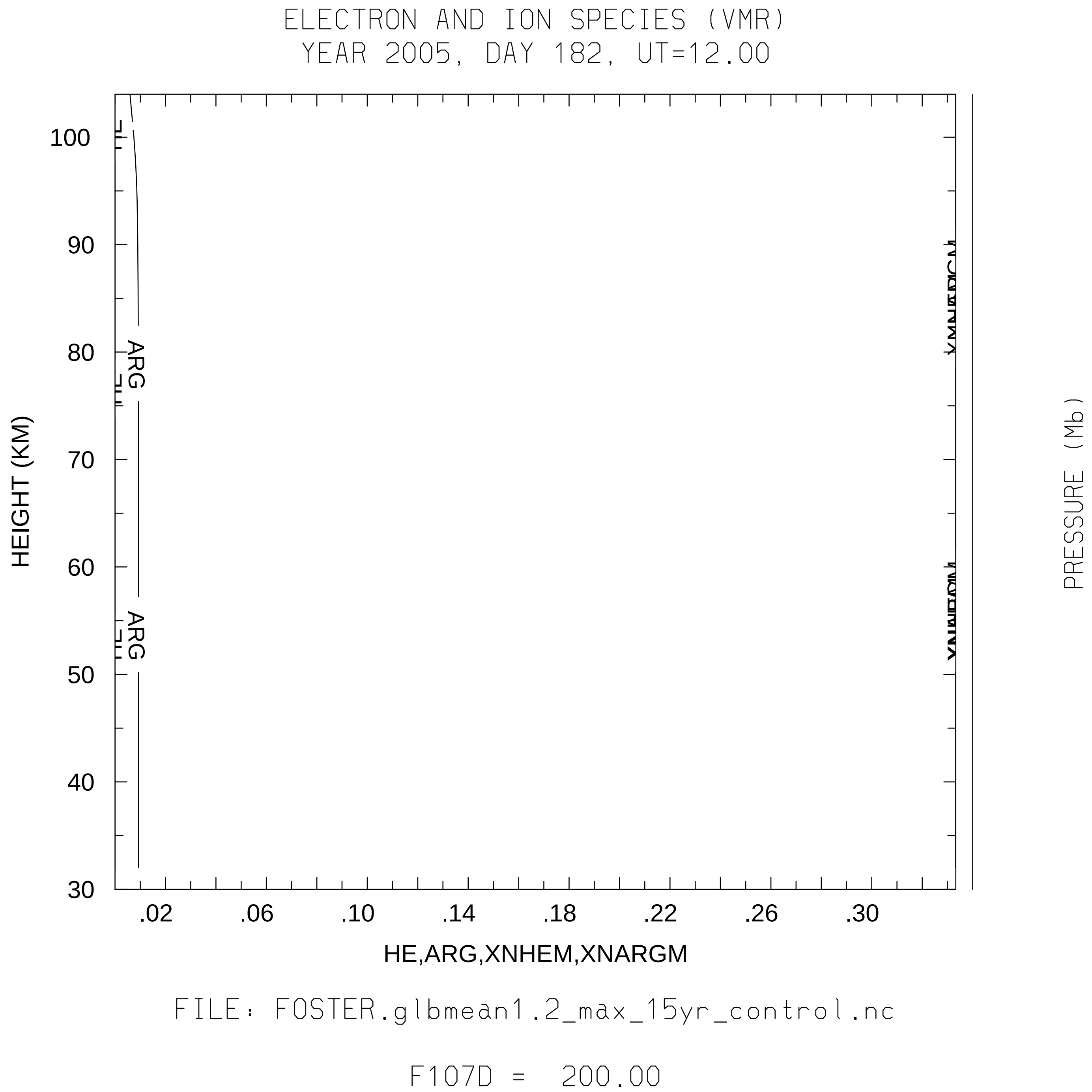
F107D = 200.00

ELECTRON AND ION TEMPERATURES
YEAR 2005, DAY 182, UT=12.00

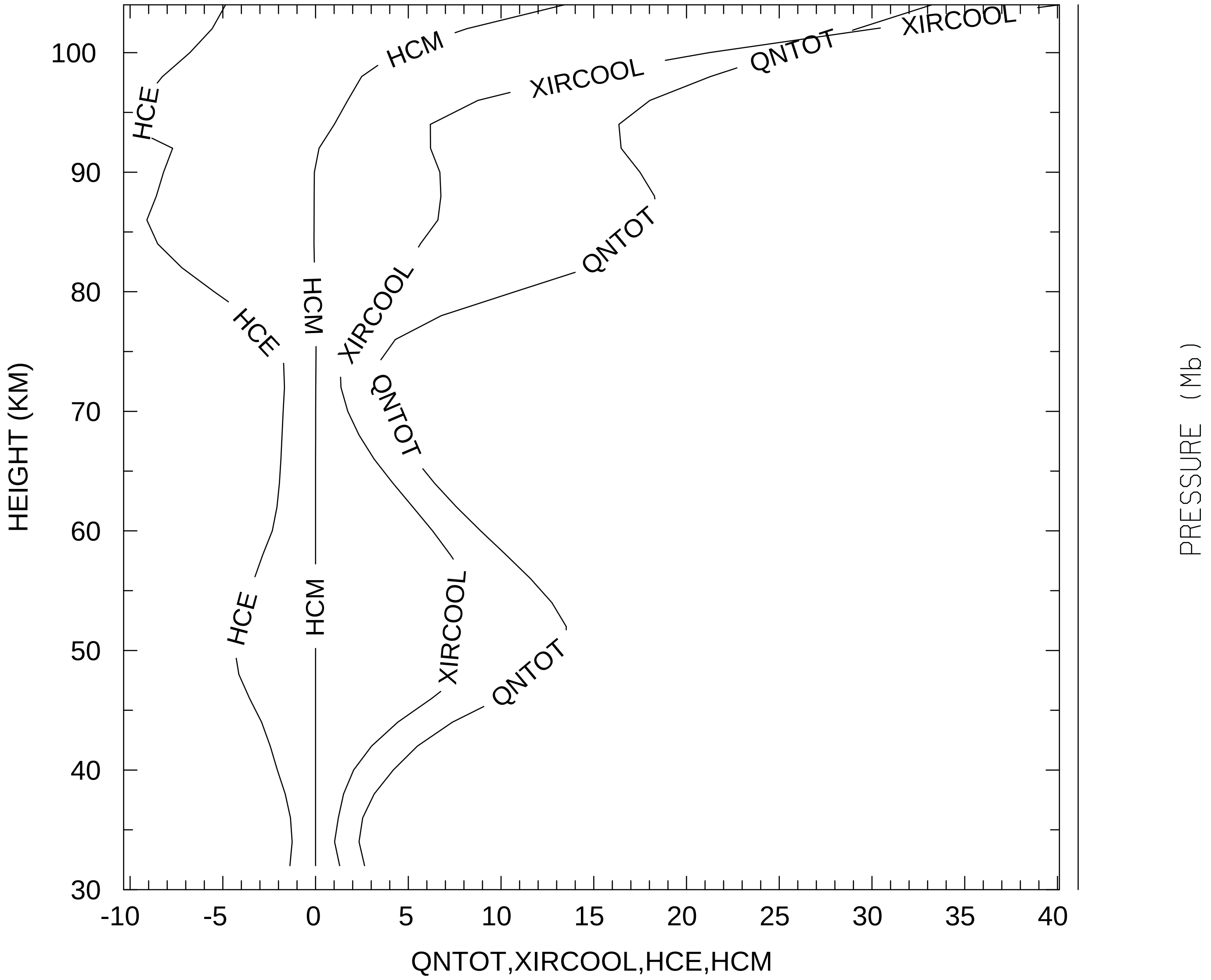


FILE: FOSTER.glbmean1.2_max_15yr_control.nc

F107D = 200.00

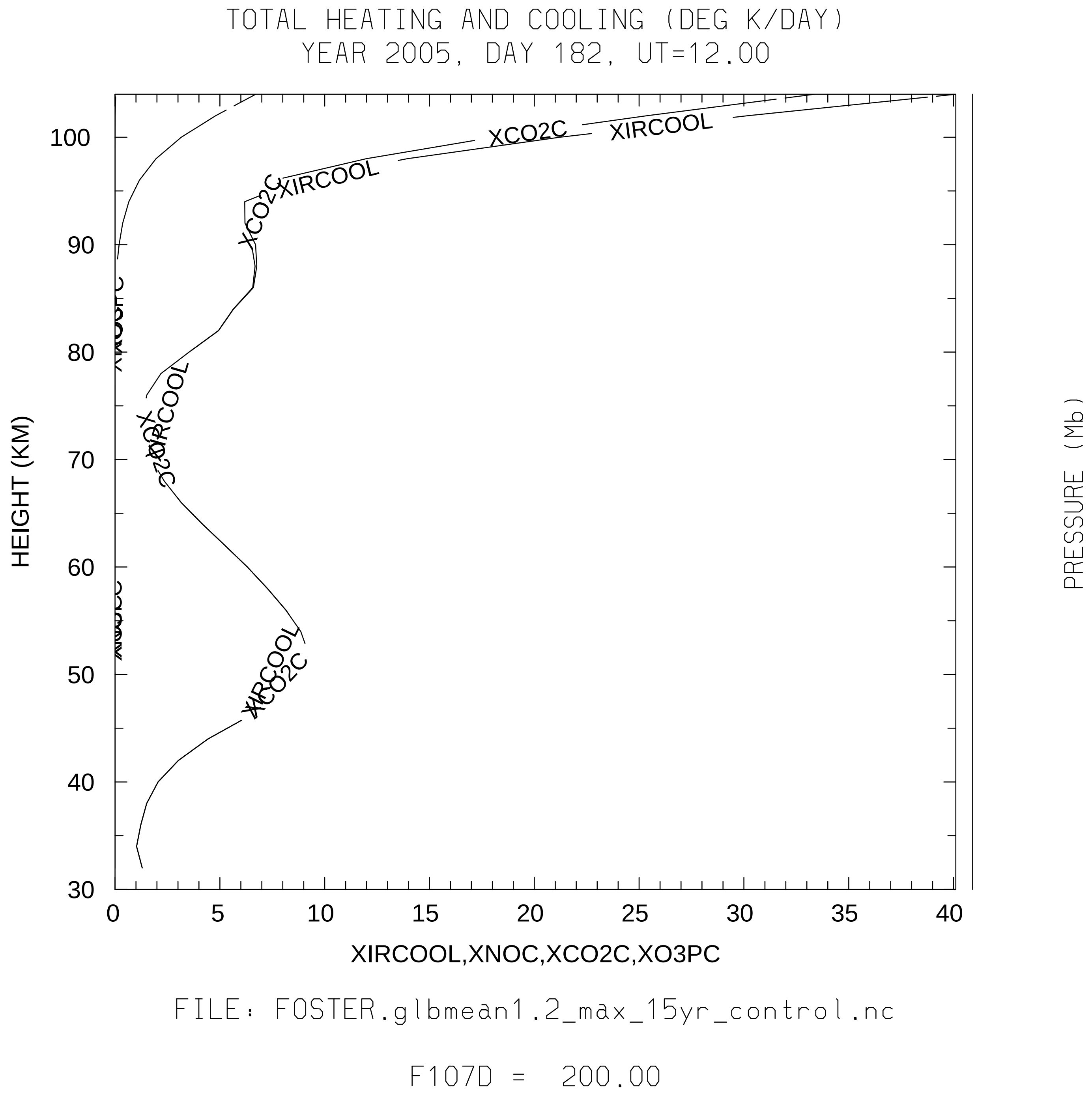

ELECTRON AND ION SPECIES (VMR)
YEAR 2005, DAY 182, UT=12.00
HEIGHT (KM)
100
90
80
70
60
50
40
30
ARG
ARG
.02
.06
.10
.14
.18
.22
.26
.30
HE,ARG,XNHEM,XNARGM
PRESSURE (Mb)
FILE: FOSTER.glbmean1.2_max_15yr_control.nc
F107D = 200.00

HELIUM AND ARGON SPECIES (DEG K/DAY)
YEAR 2005, DAY 182, UT=12.00



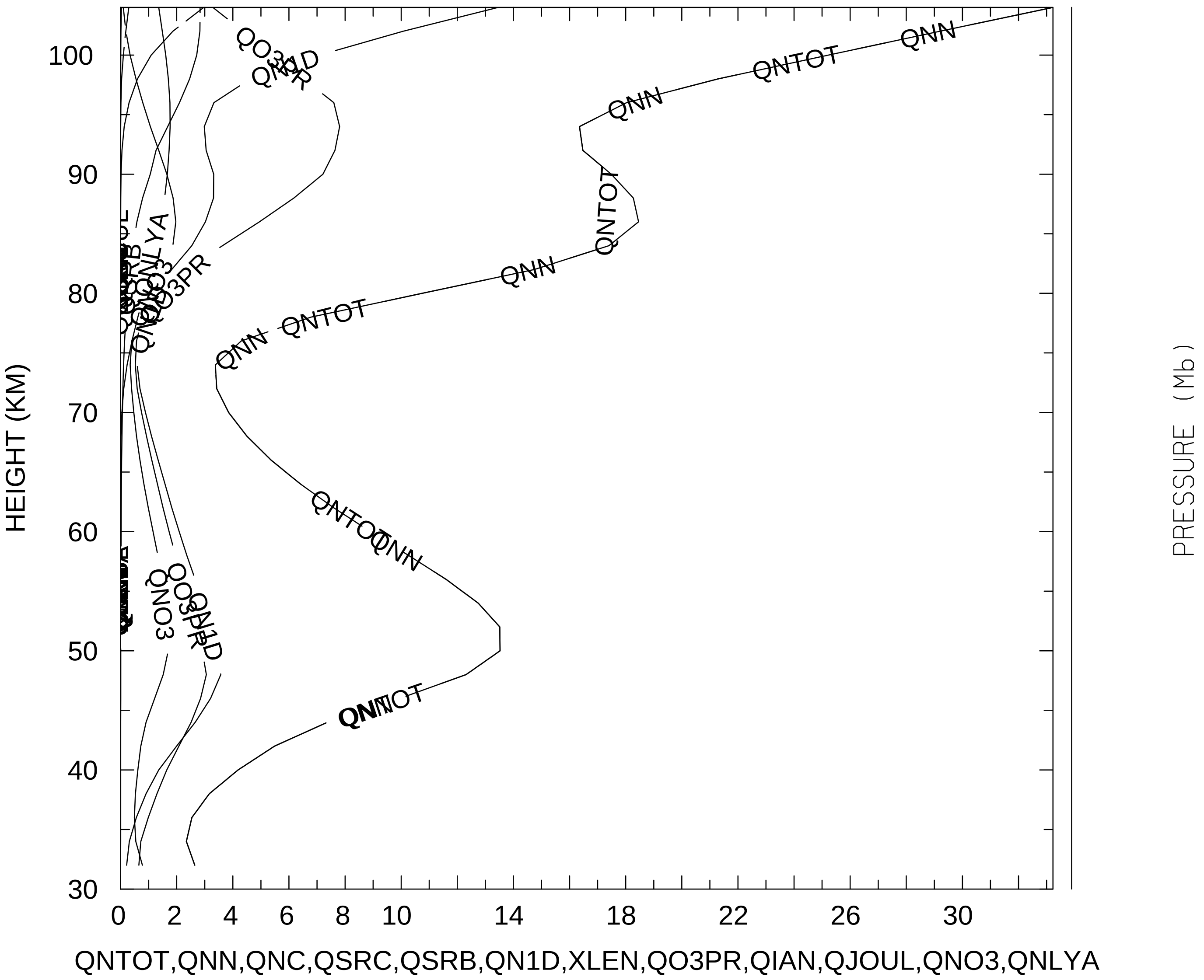
FILE: FOSTER.glbmean1.2_max_15yr_control.nc

F107D = 200.00



TOTAL HEATING AND COOLING (DEG K/DAY)
YEAR 2005, DAY 182, UT=12.00
HEIGHT (KM)
PRESSURE (Mb)
XIRCOOL,XNOC,XCO2C,XO3PC
XCO2C
XIRCOOL
FILE: FOSTER.glbmean1.2_max_15yr_control.nc
F107D = 200.00

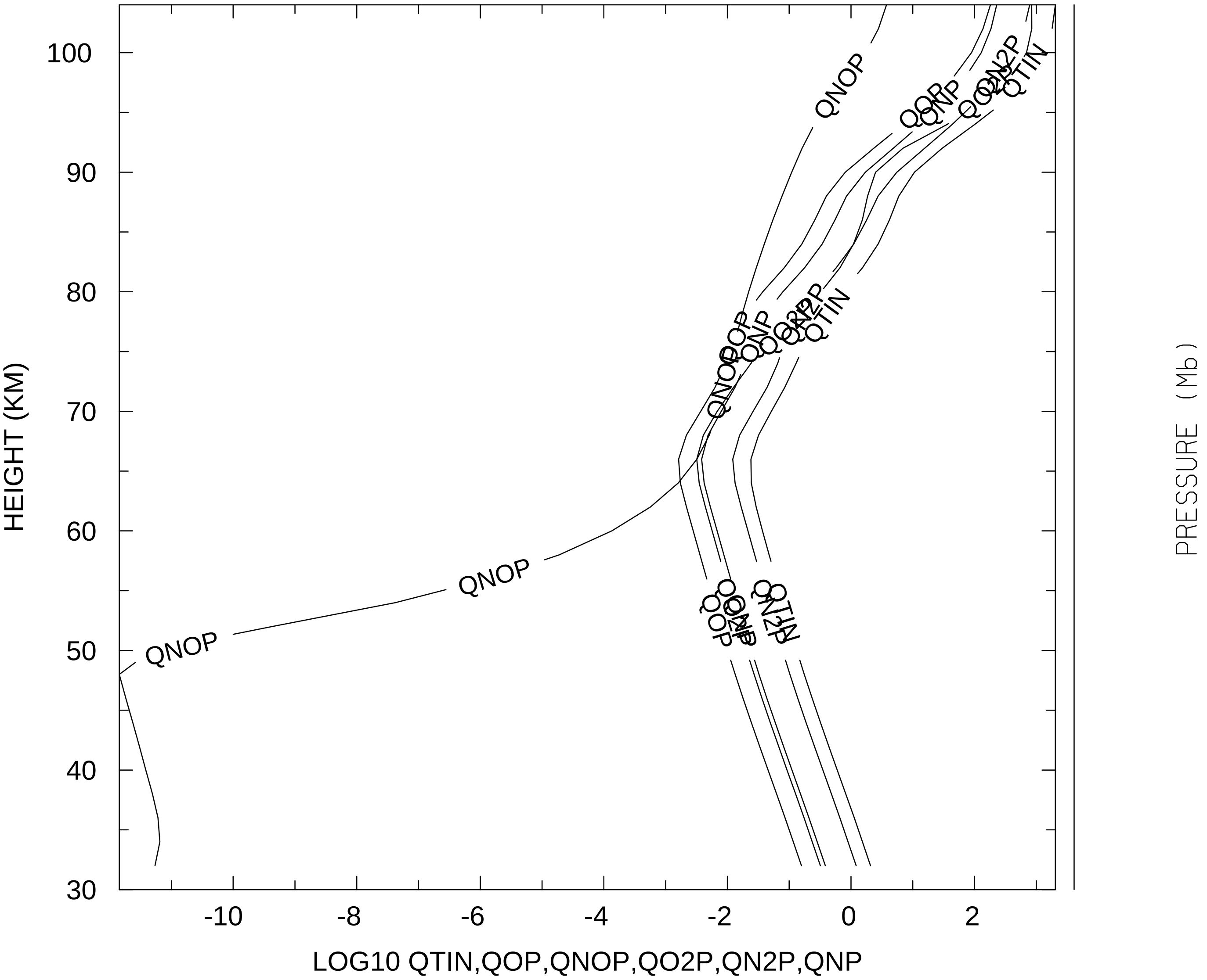
TOTAL AND COMPONENT COOLING (DEG K/DAY)
YEAR 2005, DAY 182, UT=12.00



FILE: FOSTER.glbmean1.2_max_15yr_control.nc

F107D = 200.00

LOG10 HEATING RATES (CM-3 S-1)
YEAR 2005, DAY 182, UT=12.00



FILE: FOSTER.glbmean1.2_max_15yr_control.nc

F107D = 200.00