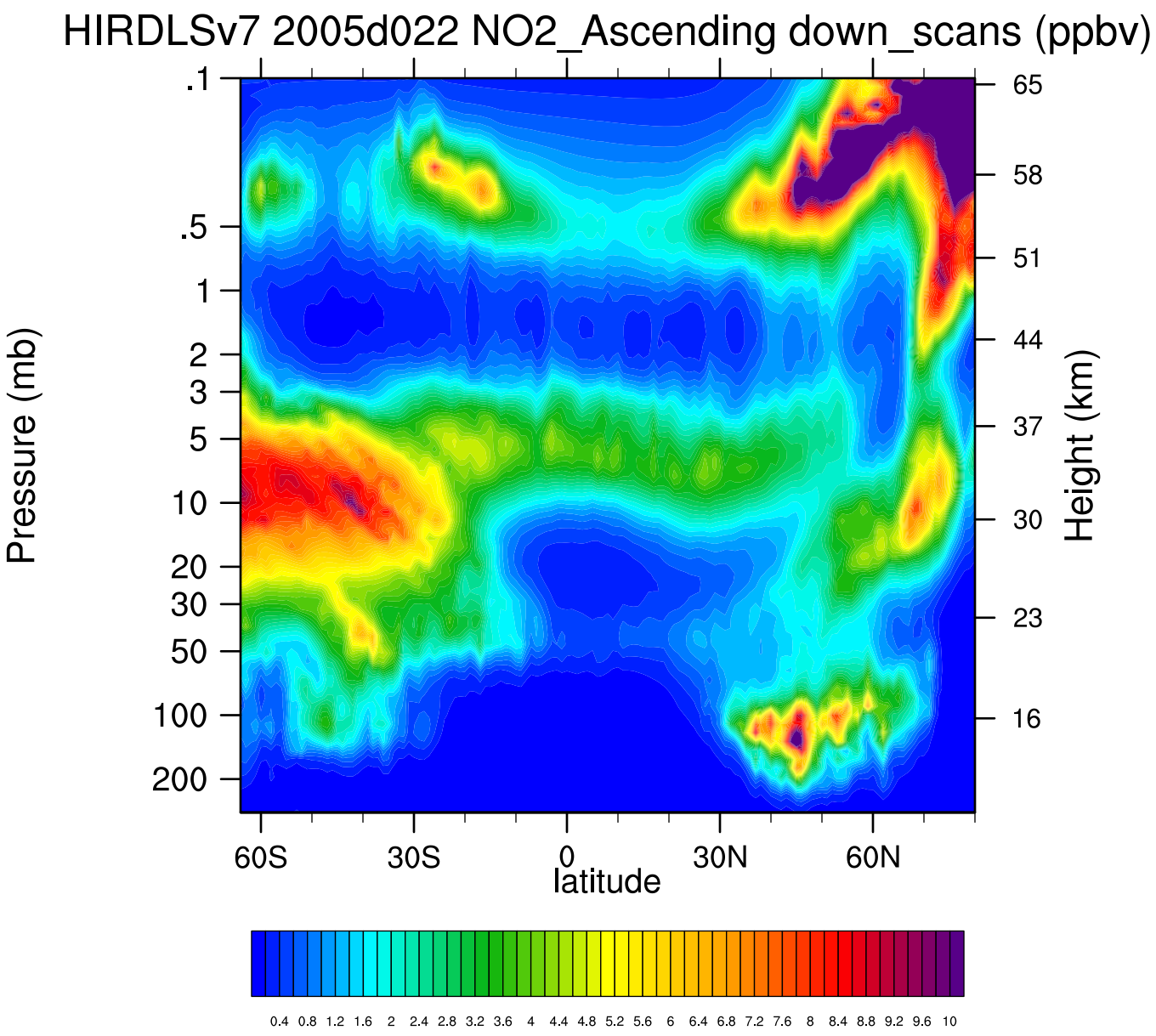
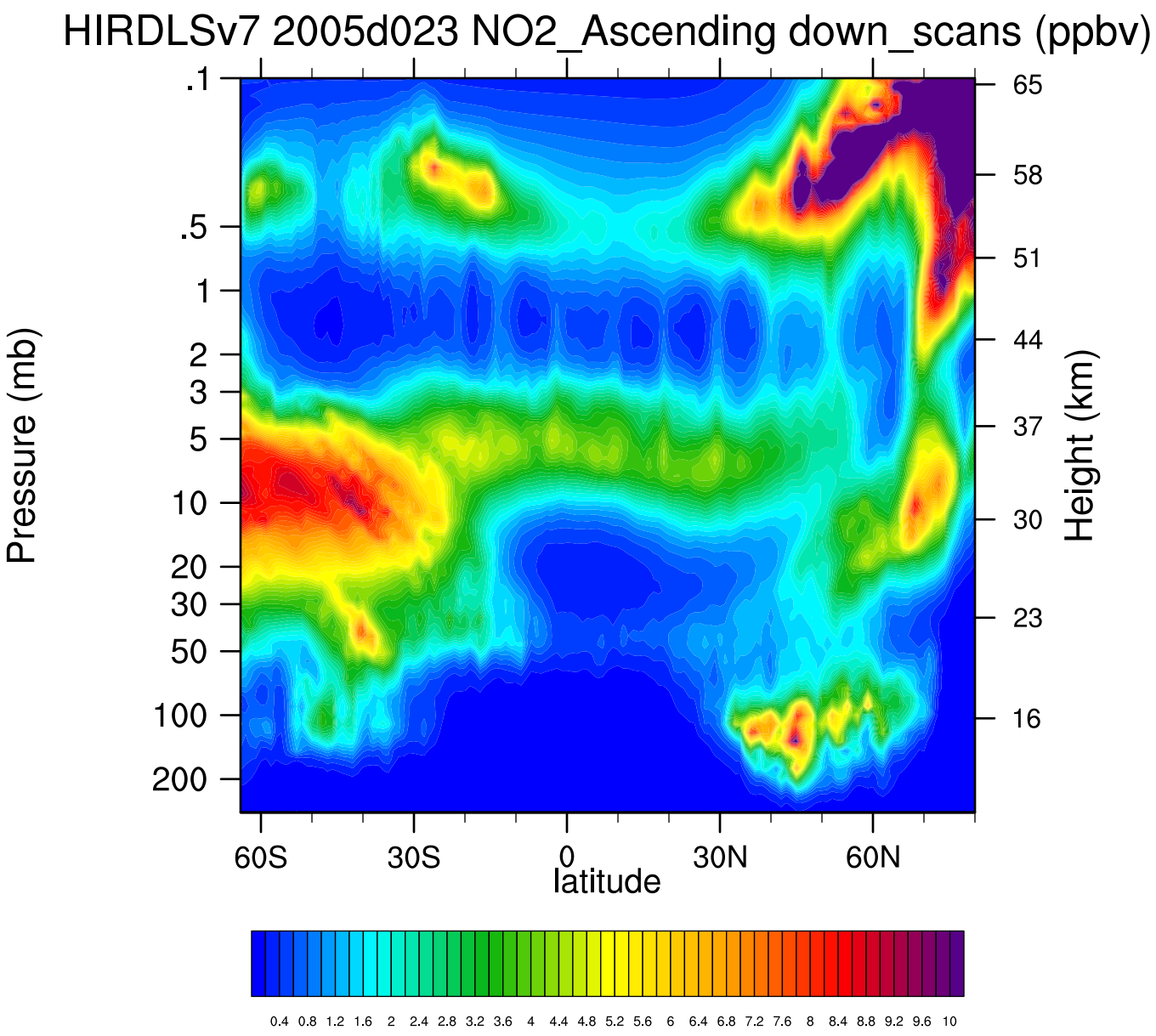
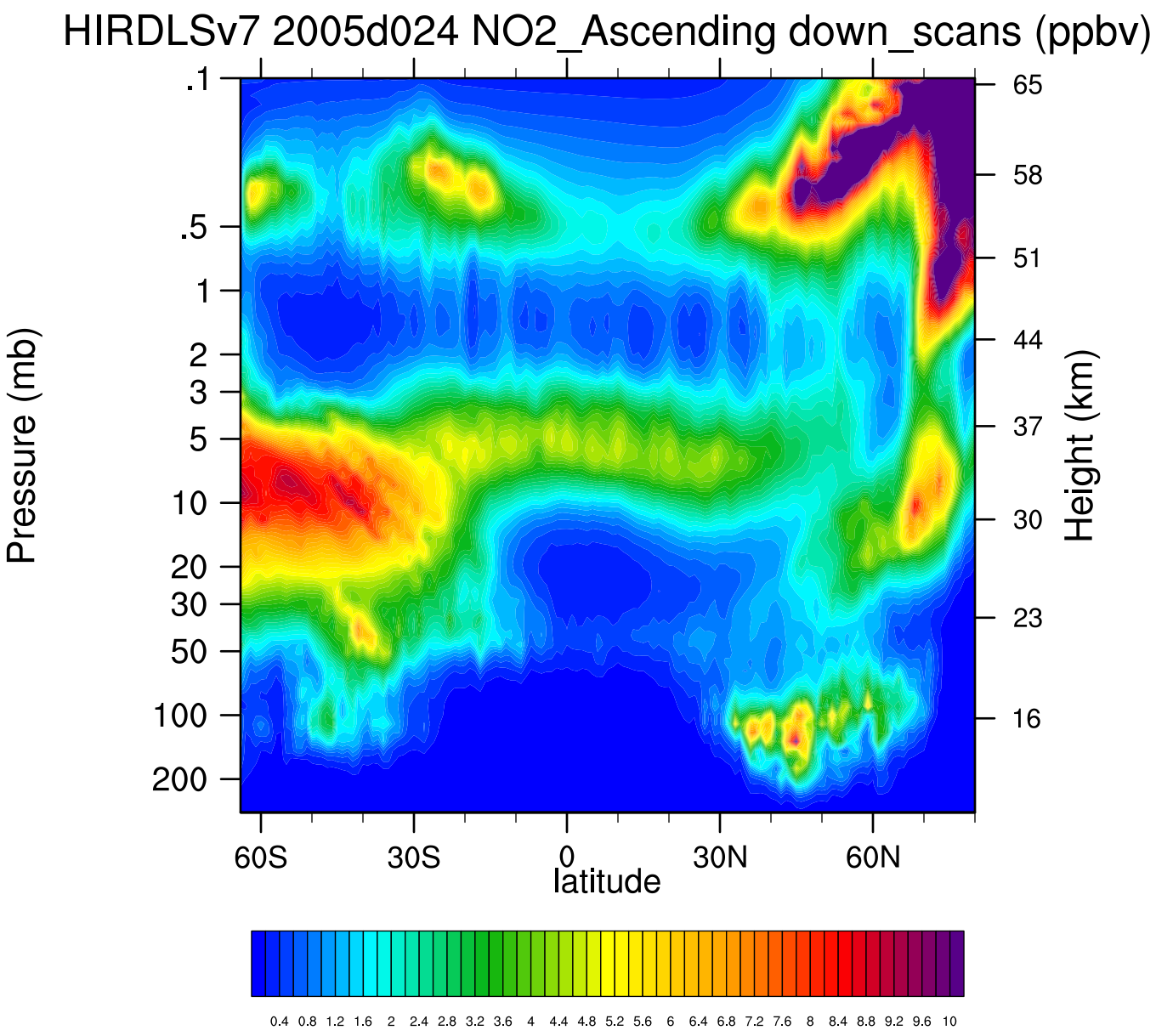
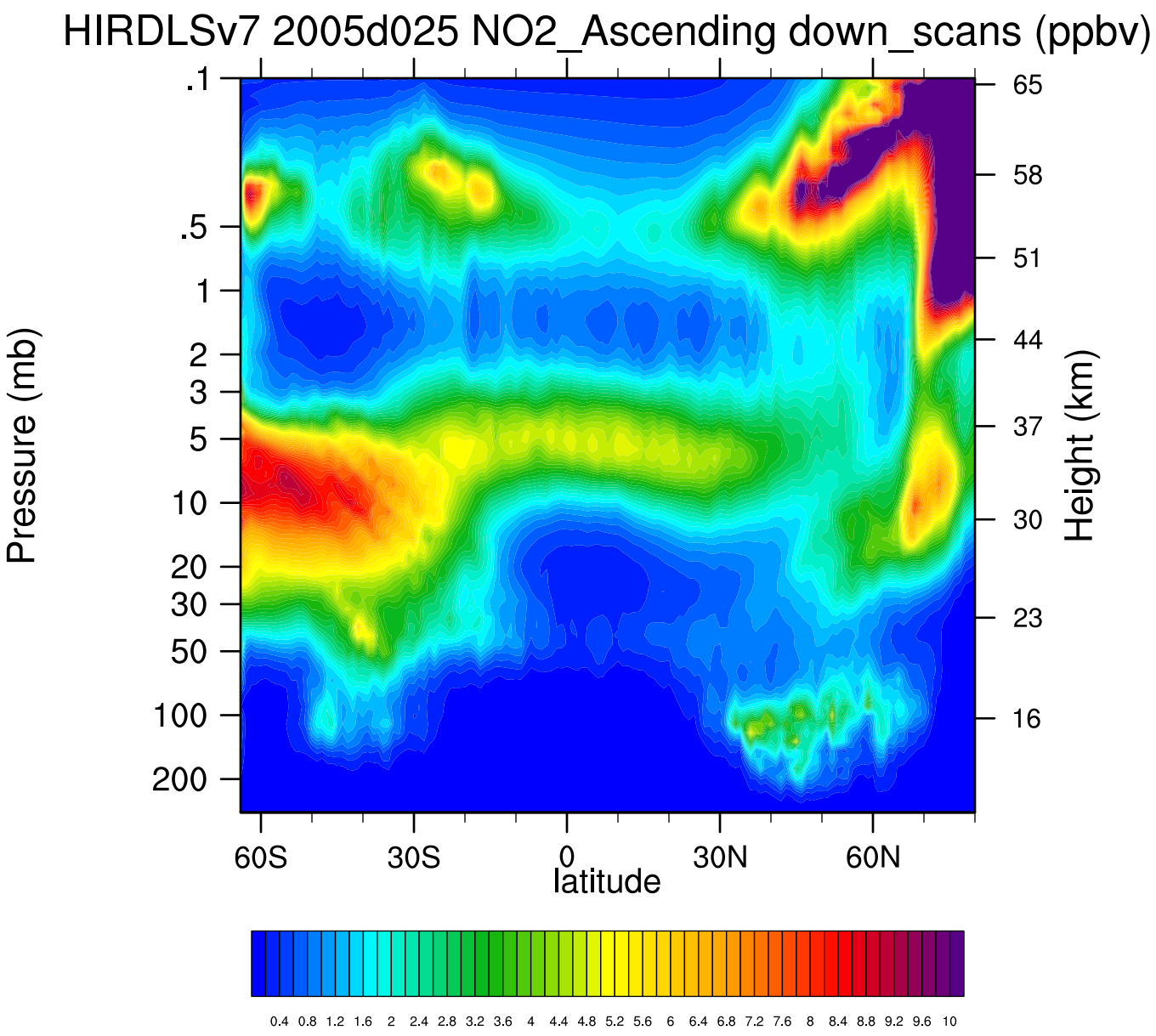
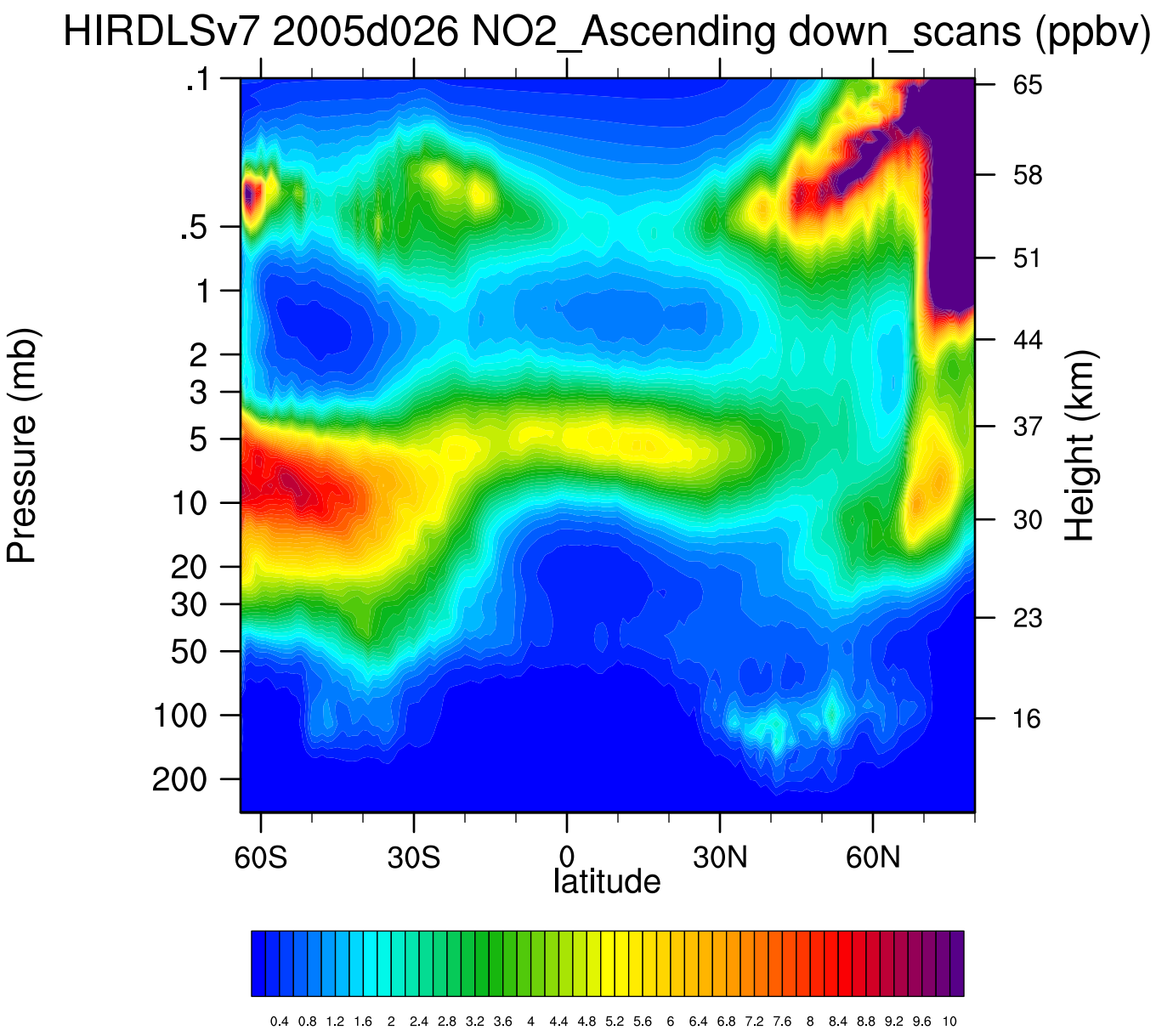
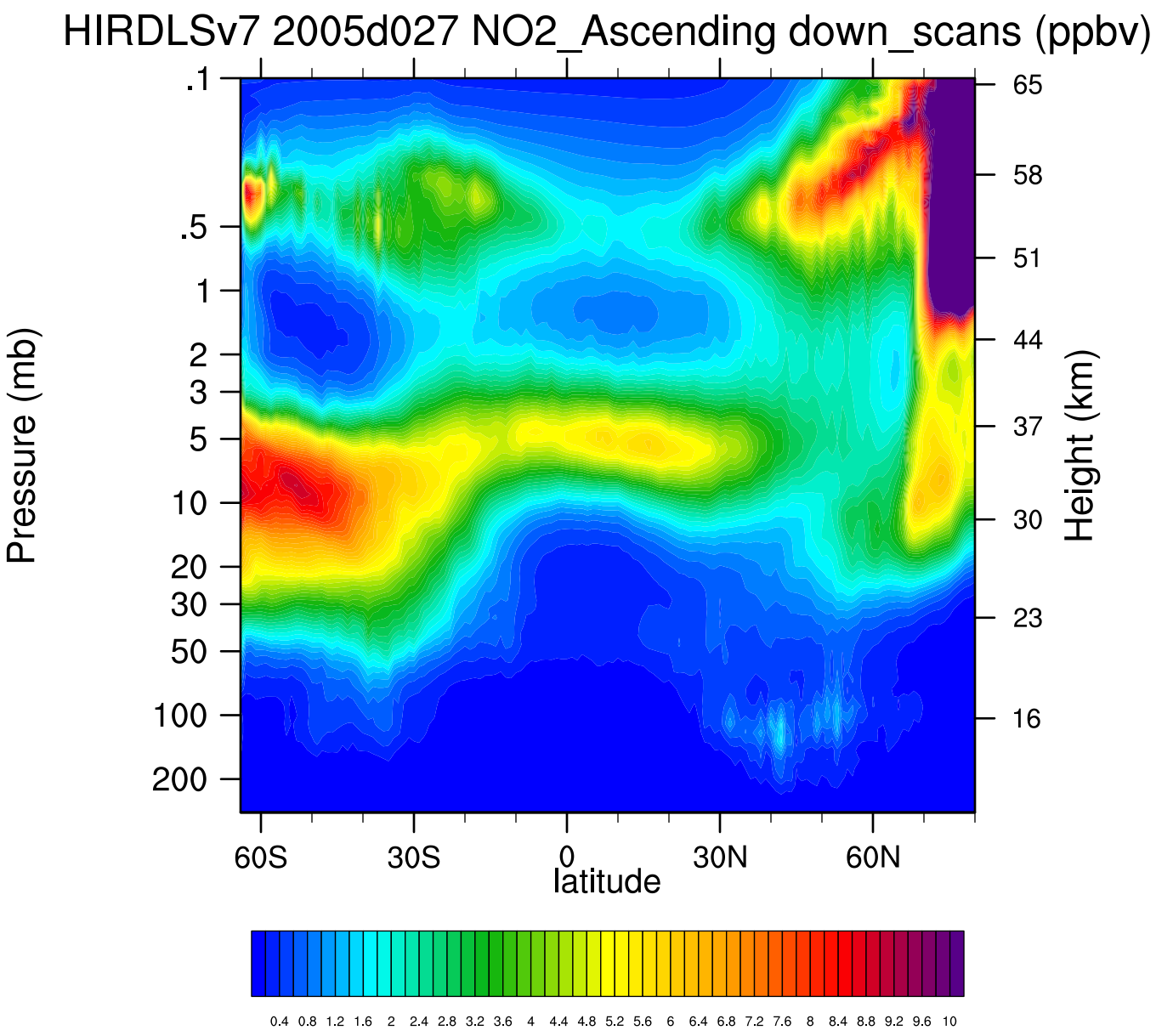

HIRDLSv7 2005d022 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

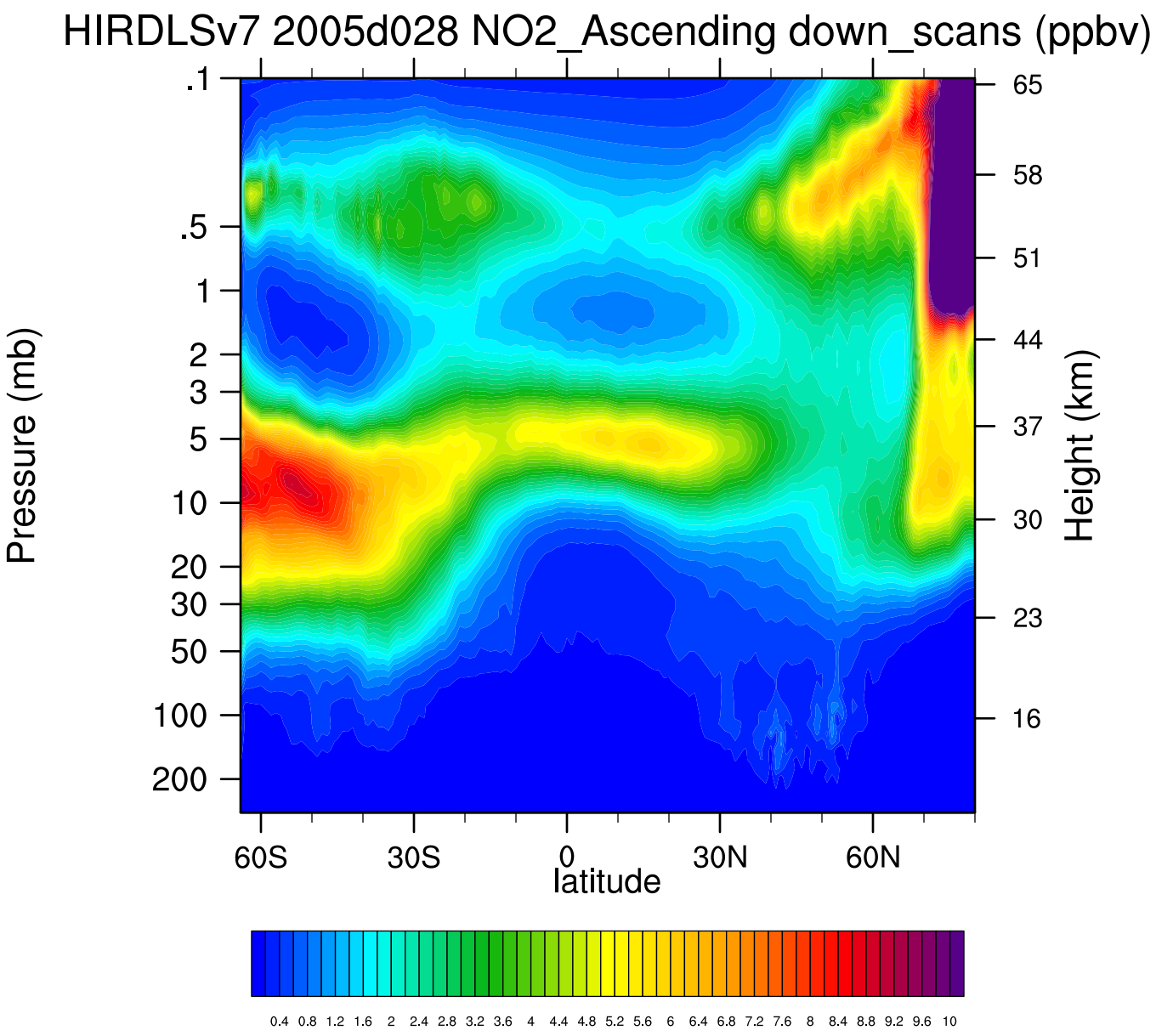

HIRDLSv7 2005d023 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

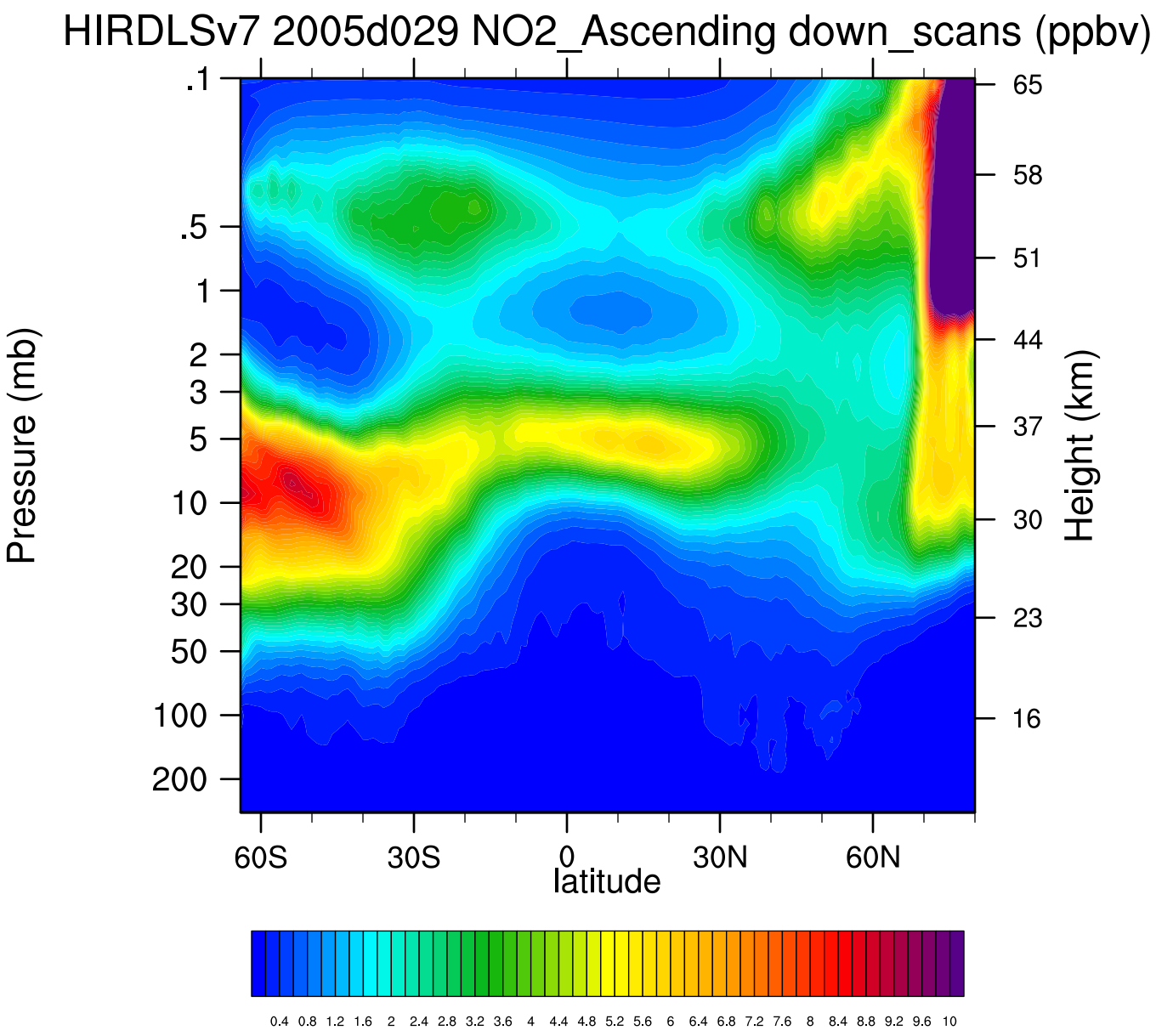

HIRDLSv7 2005d024 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

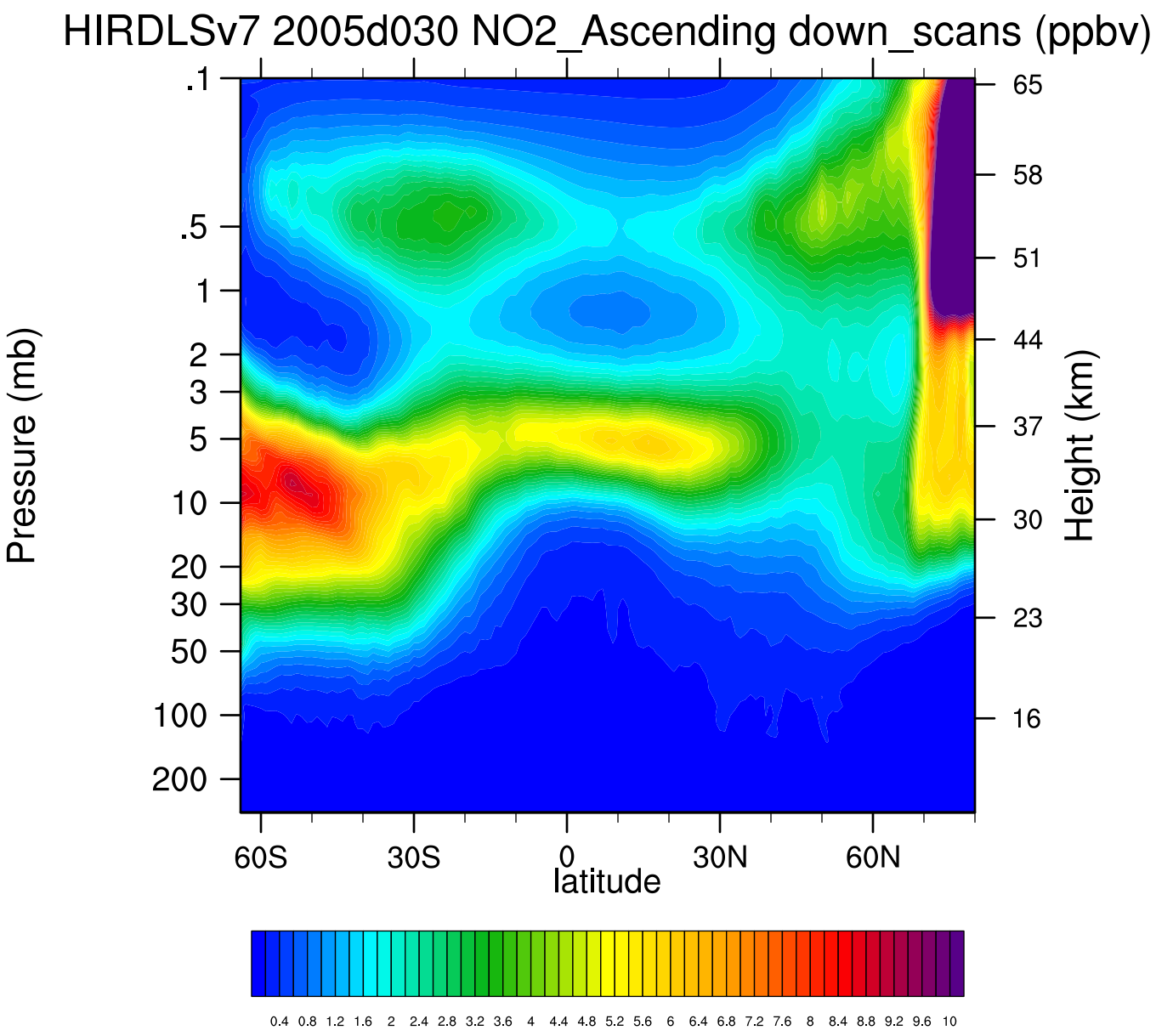

HIRDLSv7 2005d025 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

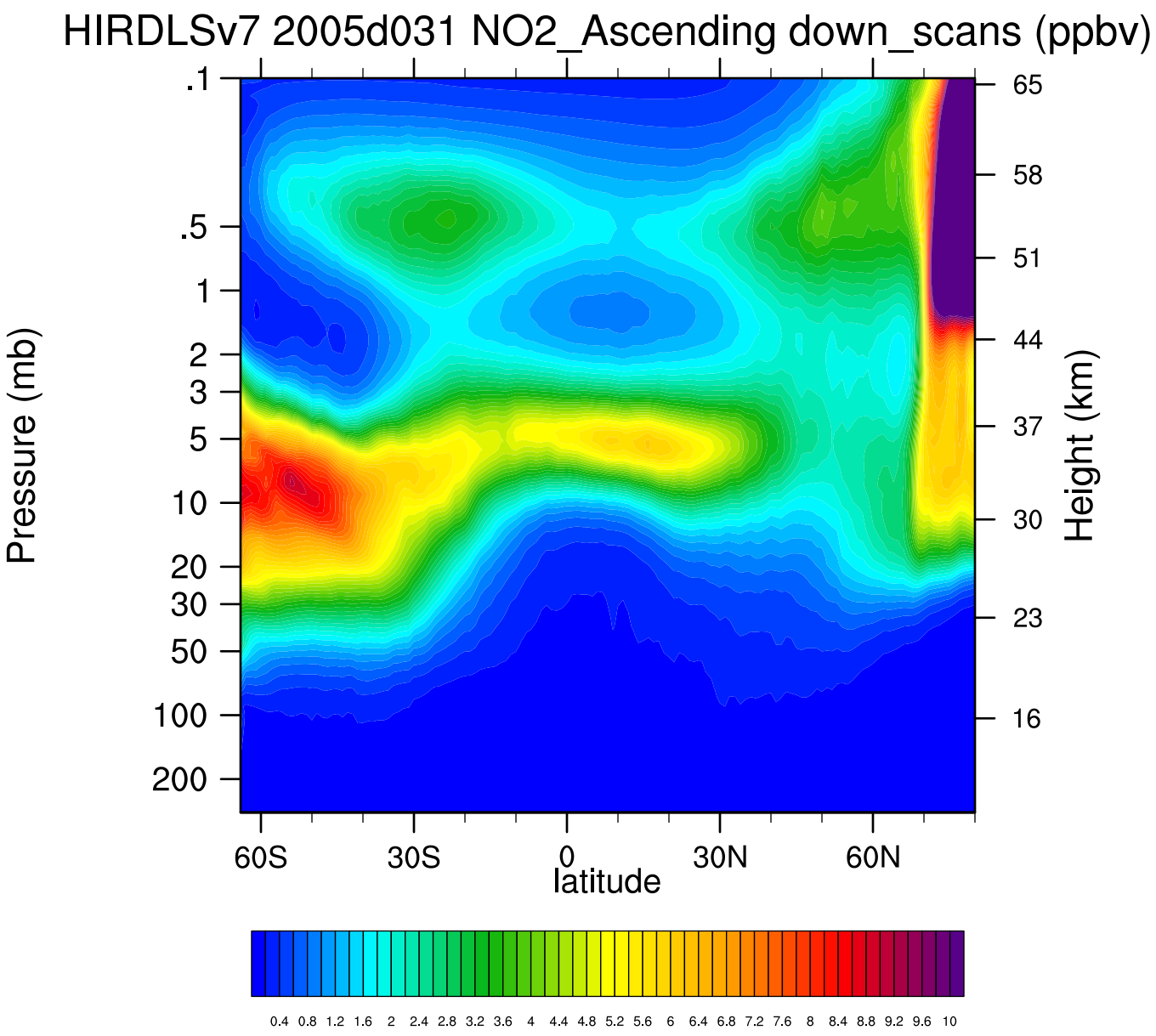

HIRDLSv7 2005d026 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

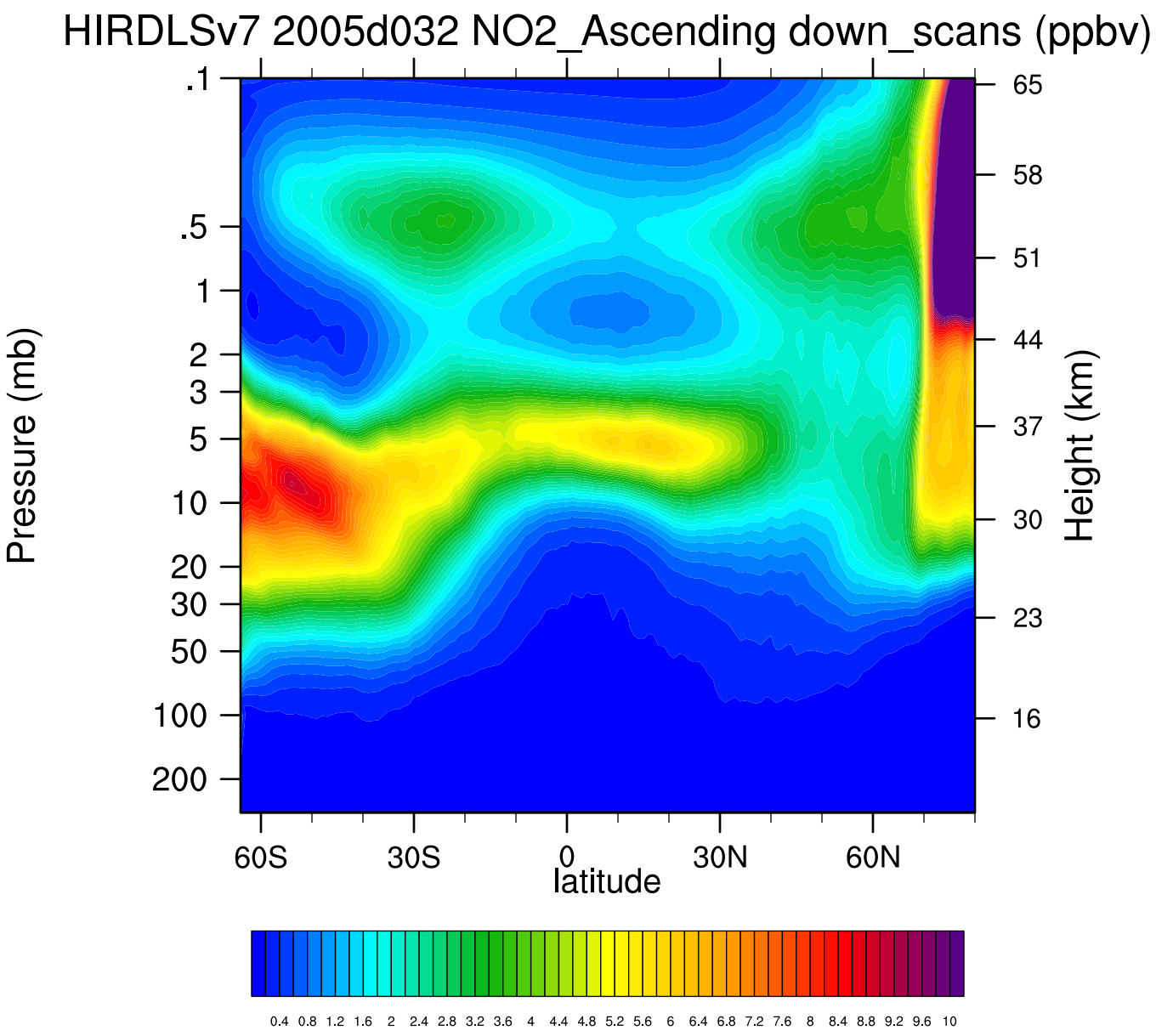

HIRDLSv7 2005d027 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

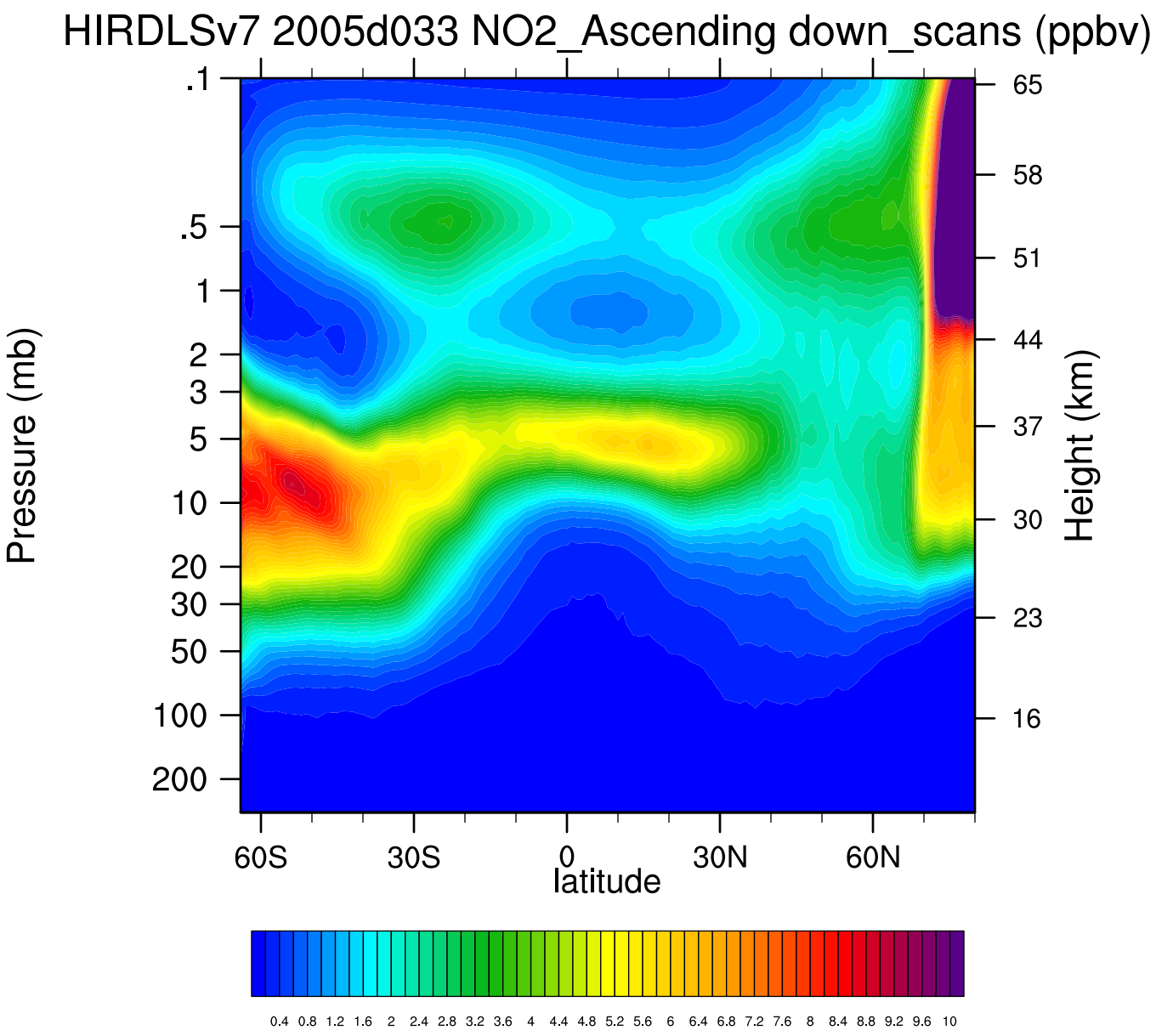

HIRDLSv7 2005d028 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

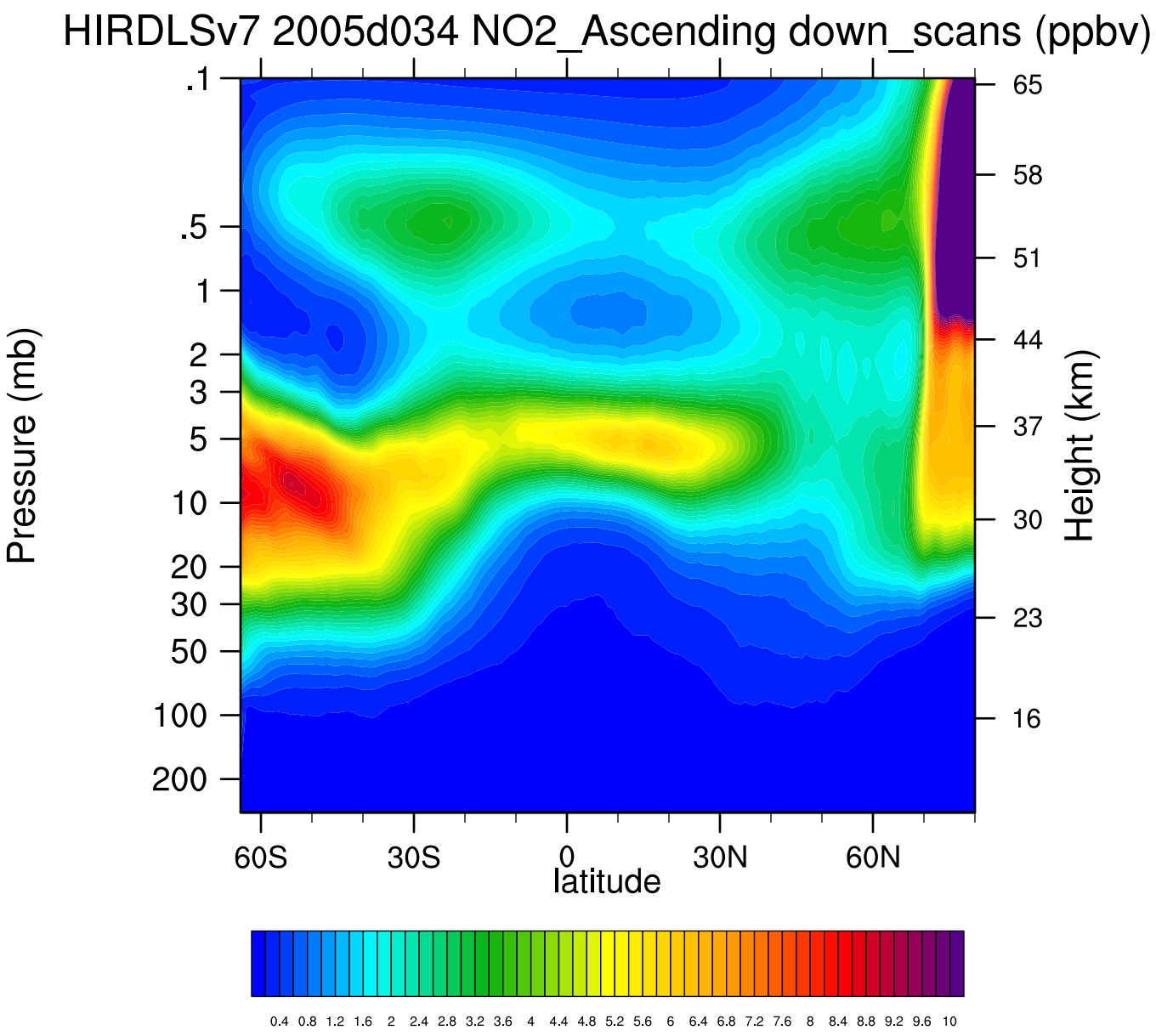

HIRDLSv7 2005d029 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

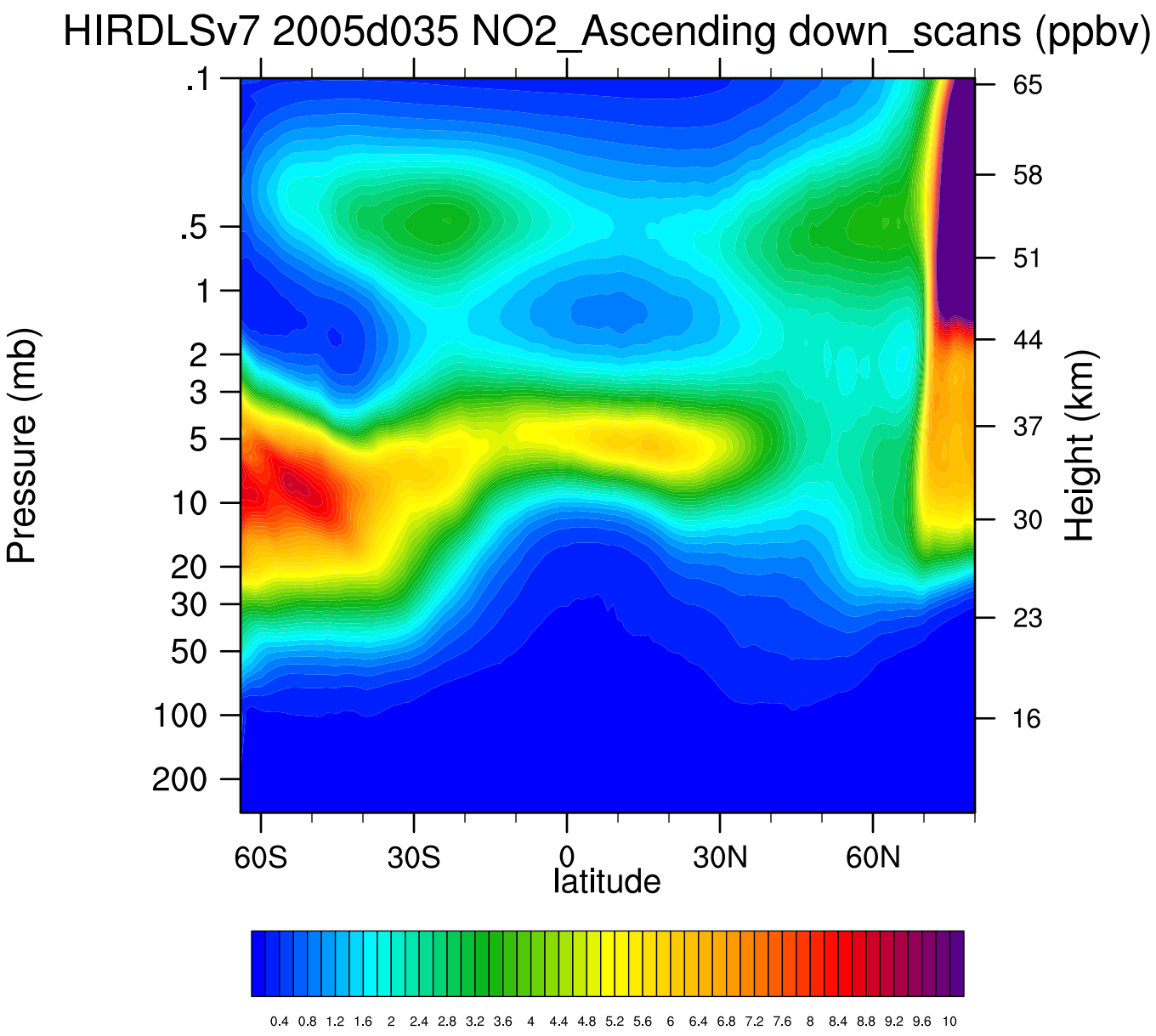

HIRDLSv7 2005d030 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

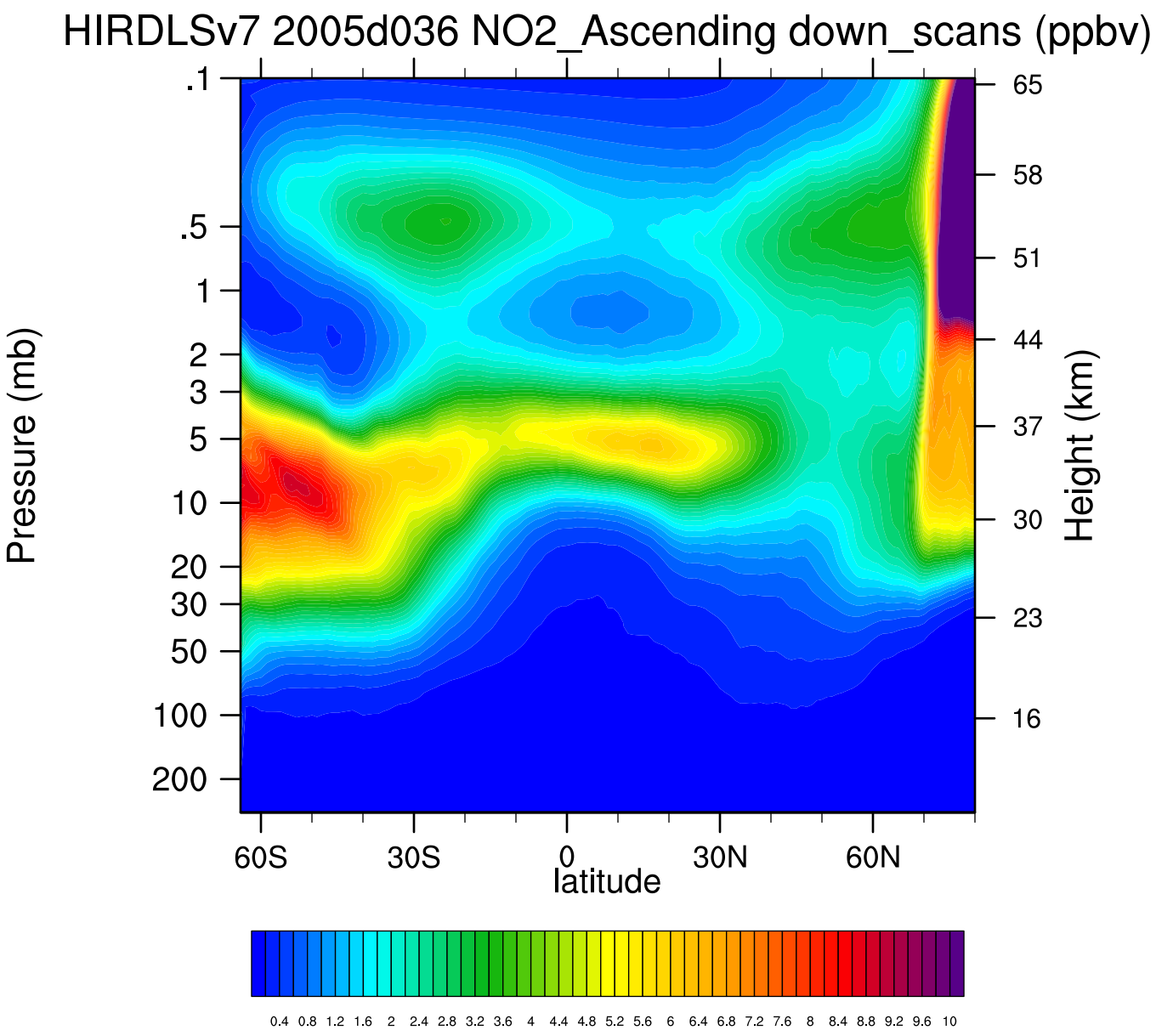

HIRDLSv7 2005d031 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

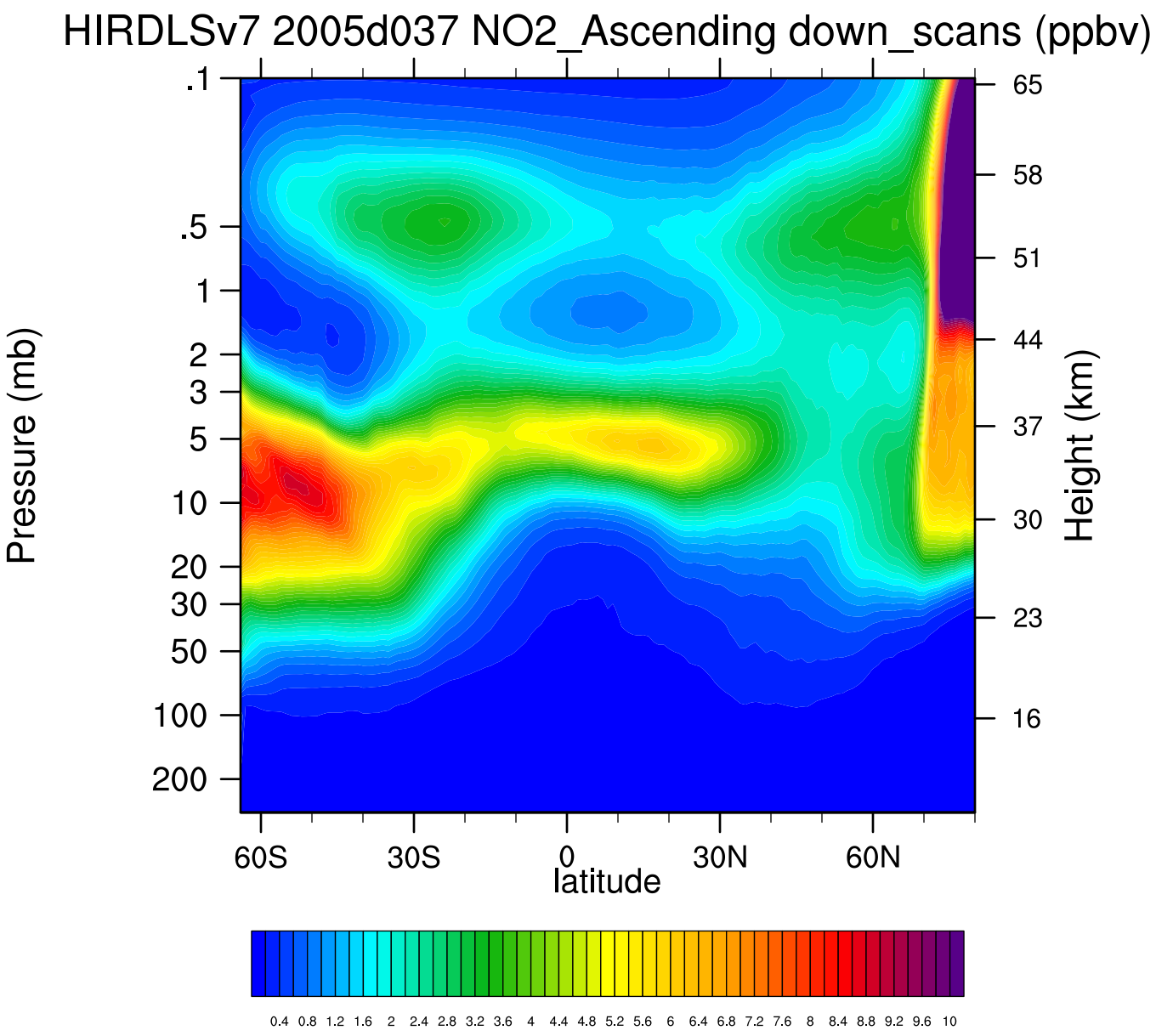

HIRDLSv7 2005d032 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

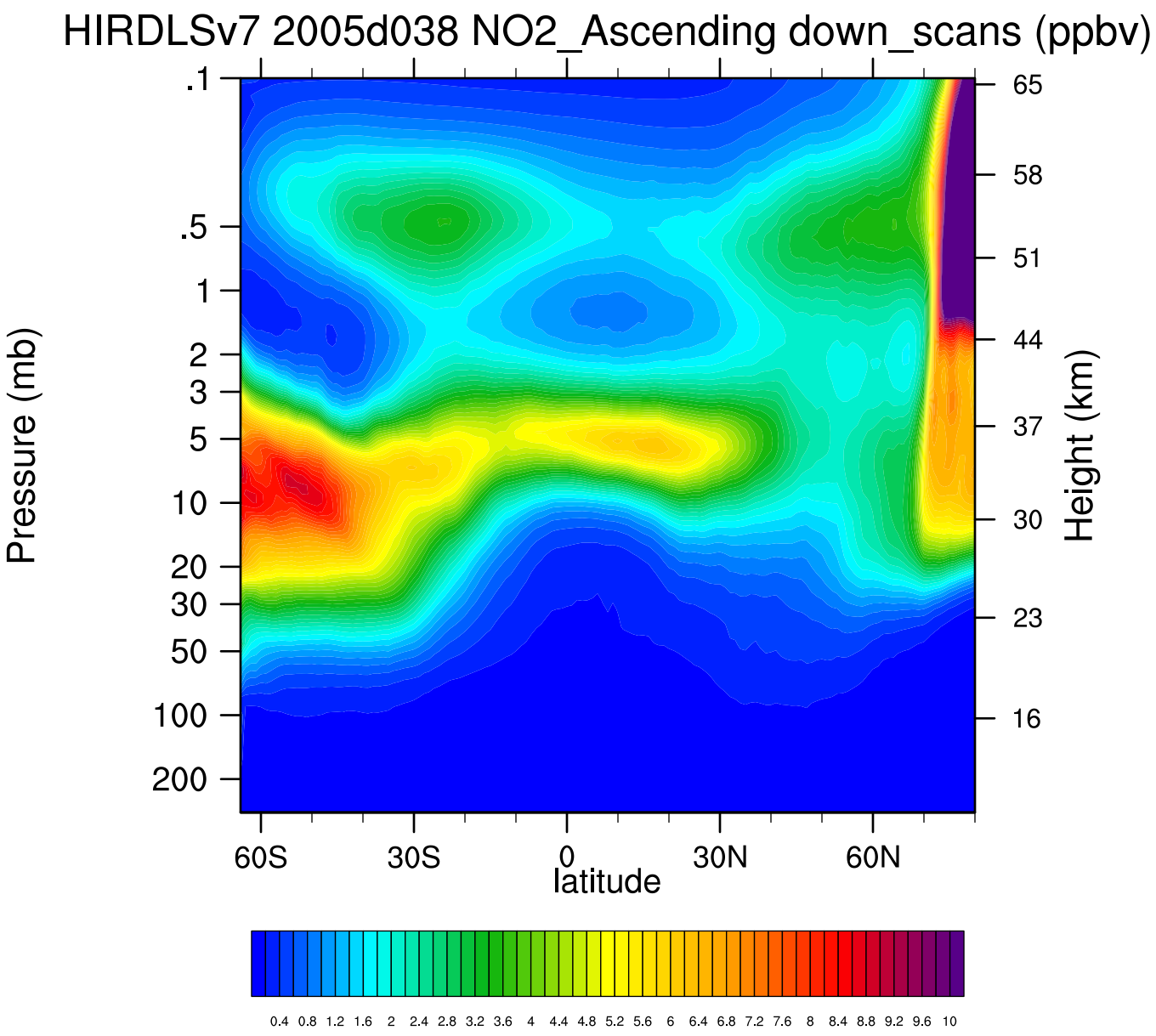

HIRDLSv7 2005d033 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

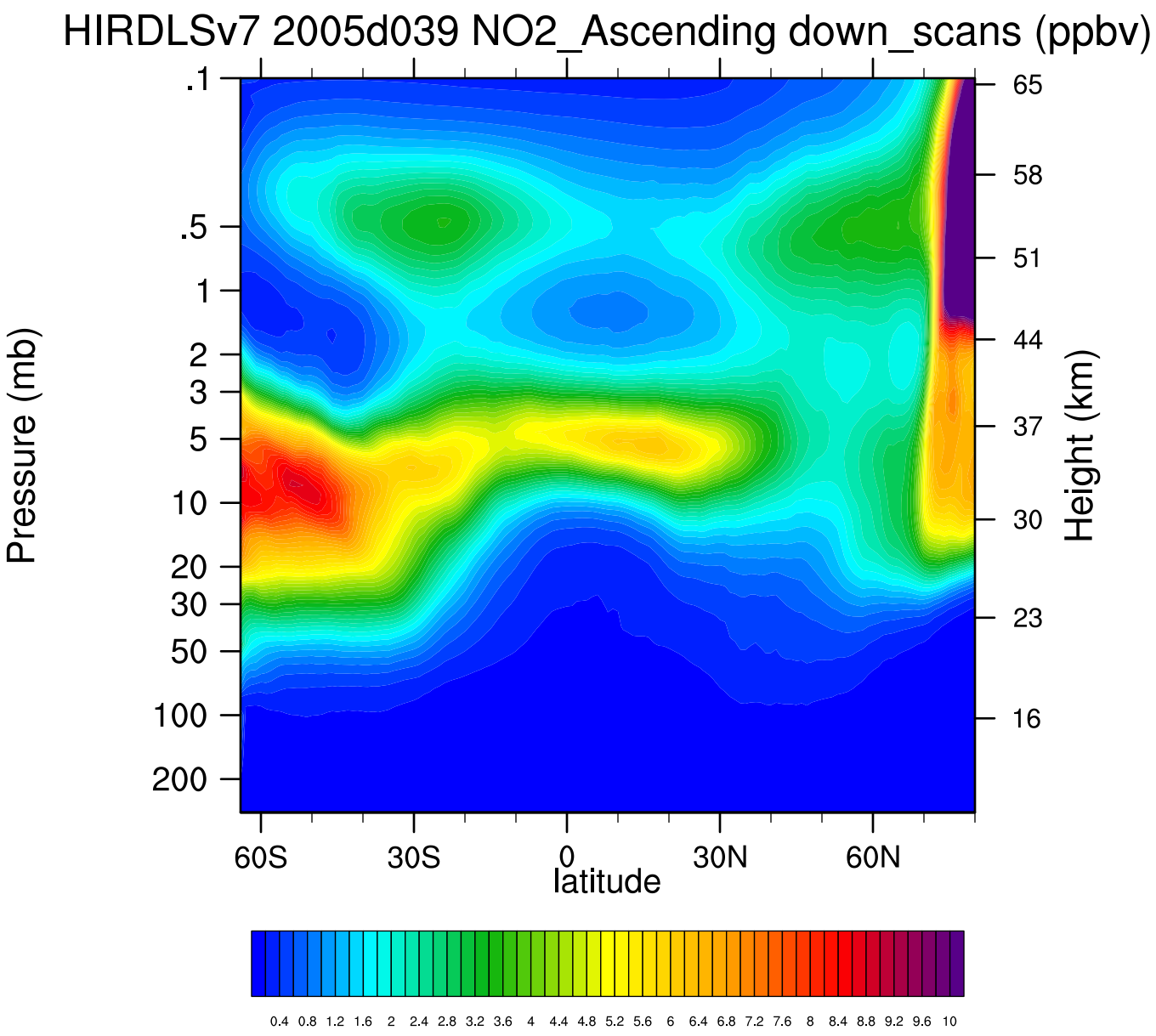

HIRDLSv7 2005d034 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

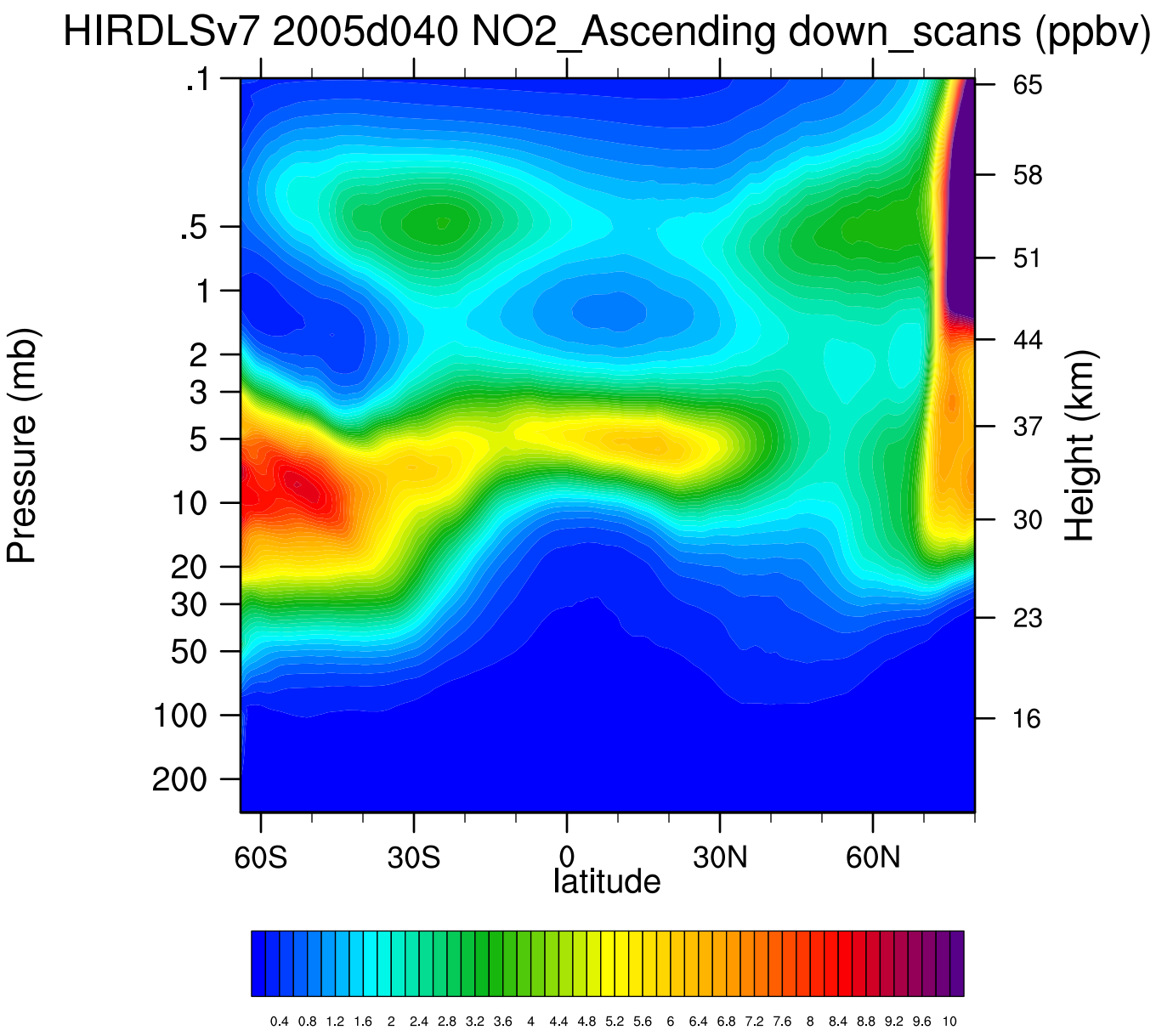

HIRDLSv7 2005d035 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

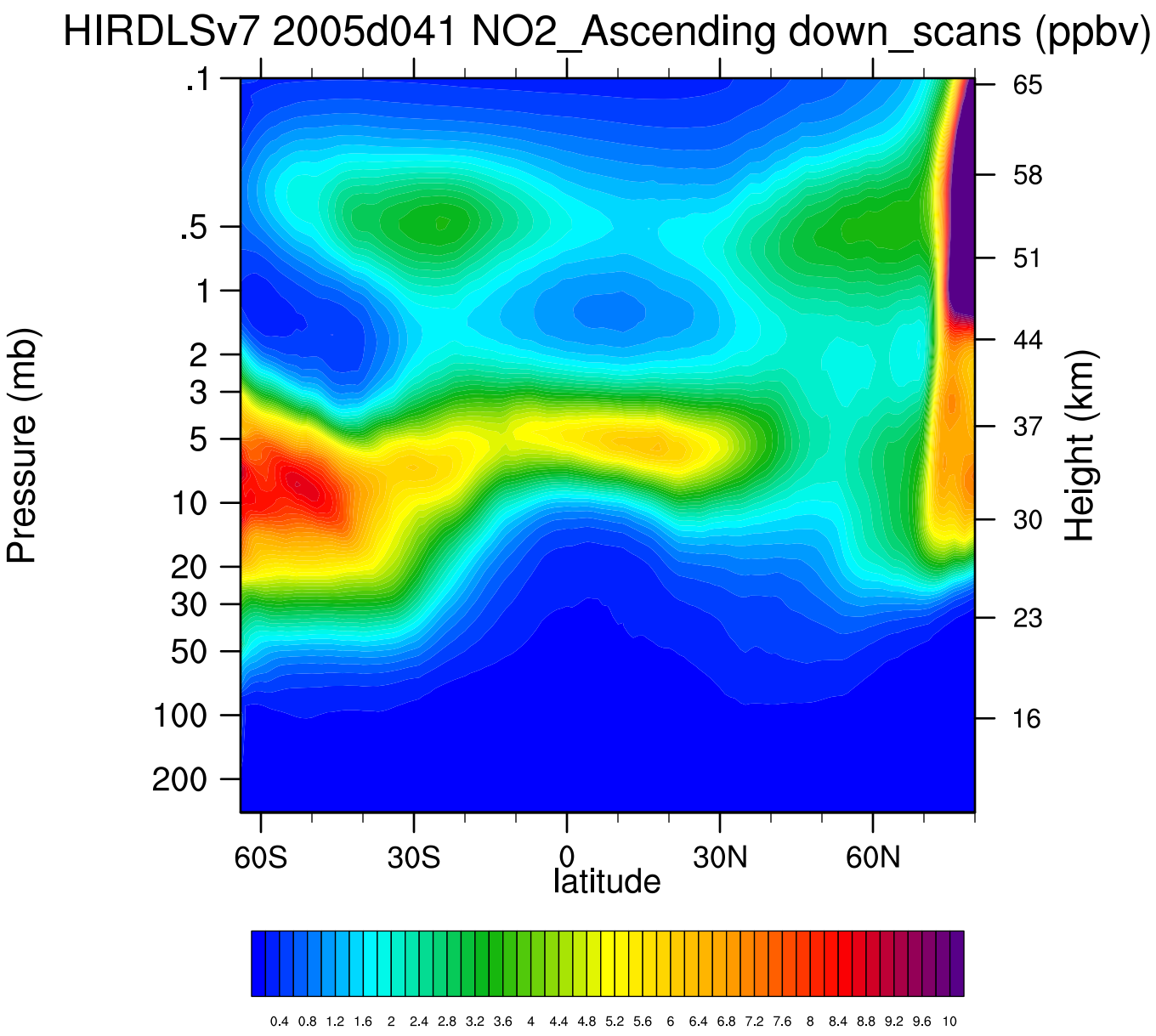

HIRDLSv7 2005d036 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

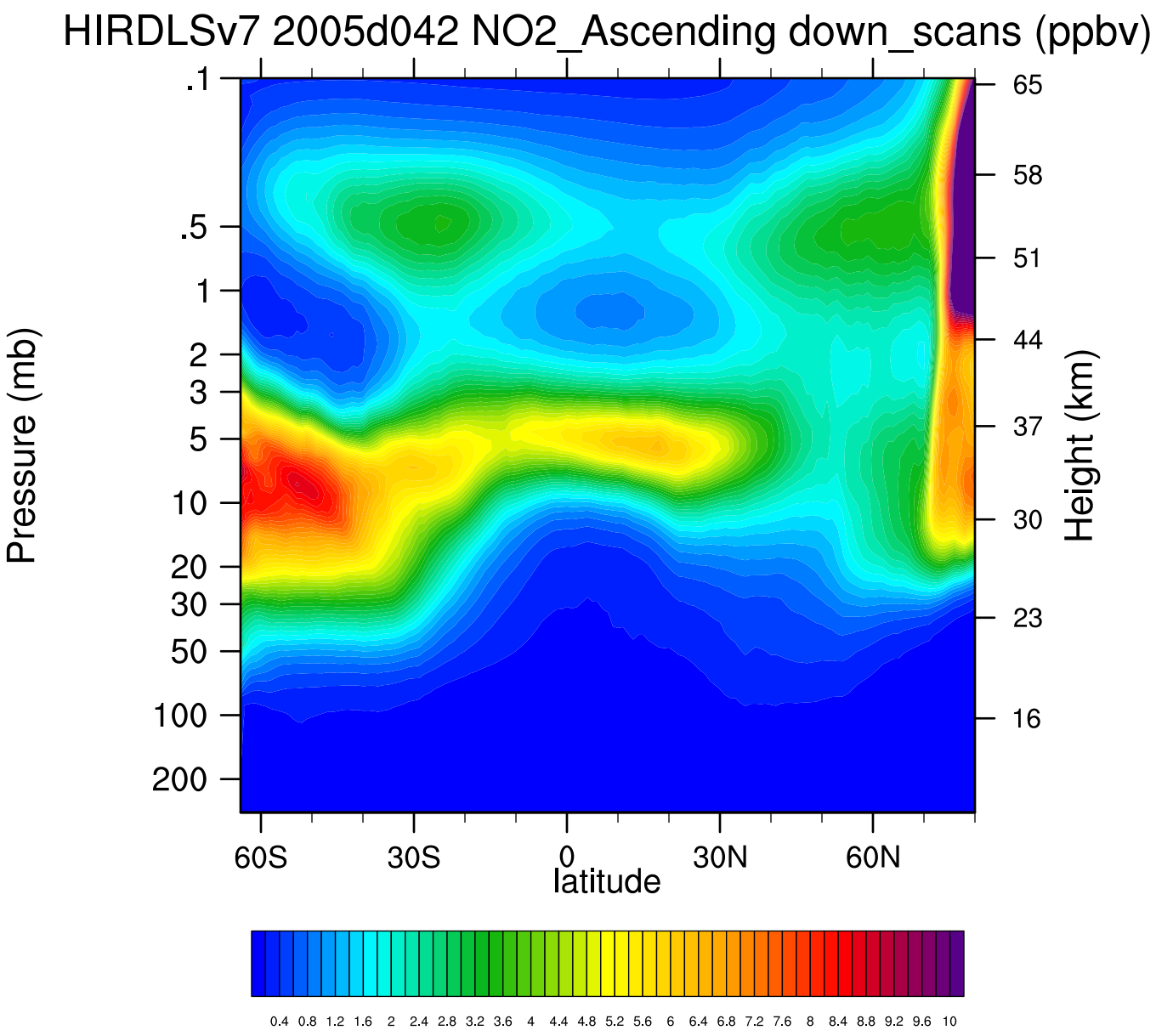

HIRDLSv7 2005d037 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

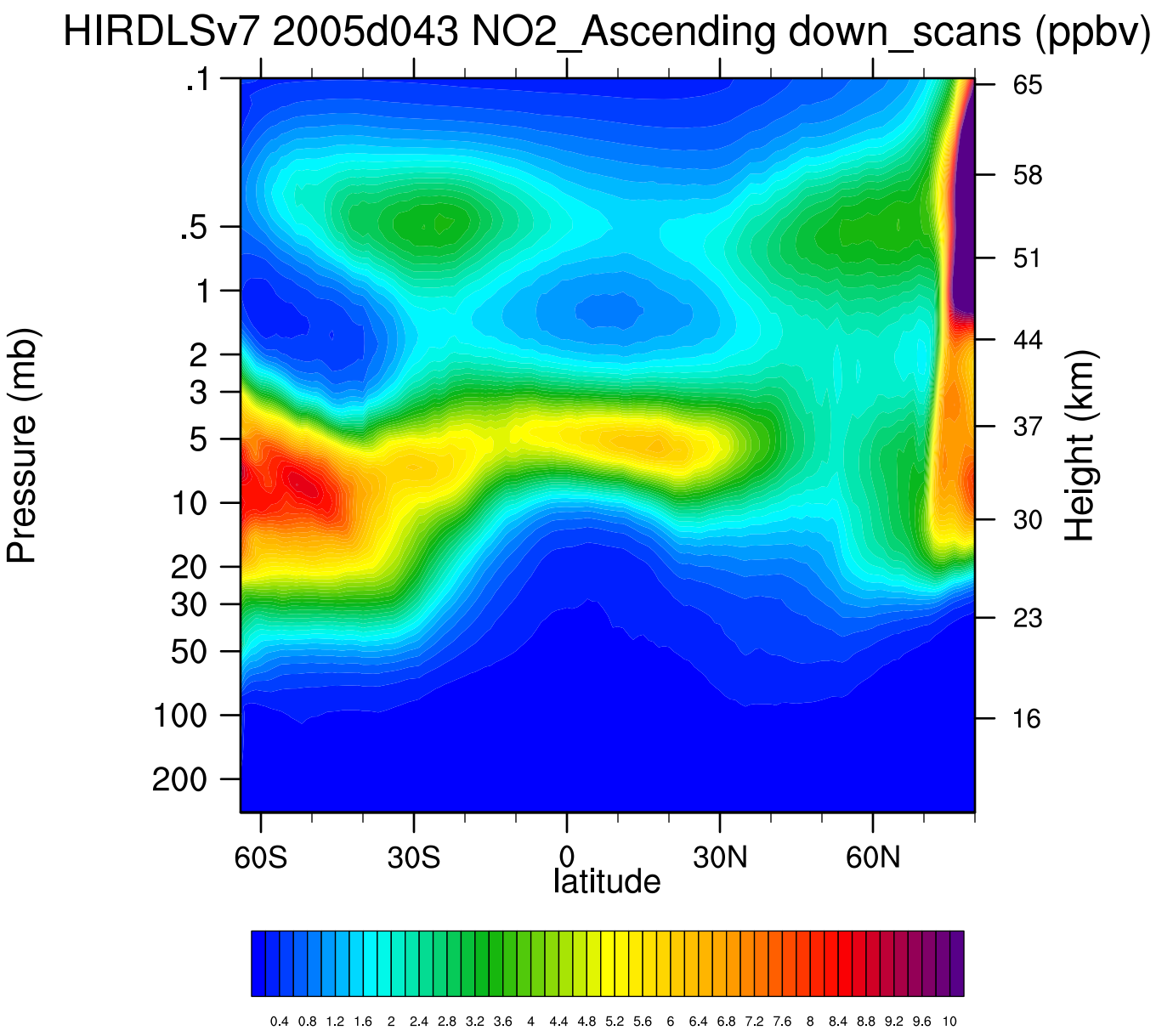

HIRDLSv7 2005d038 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

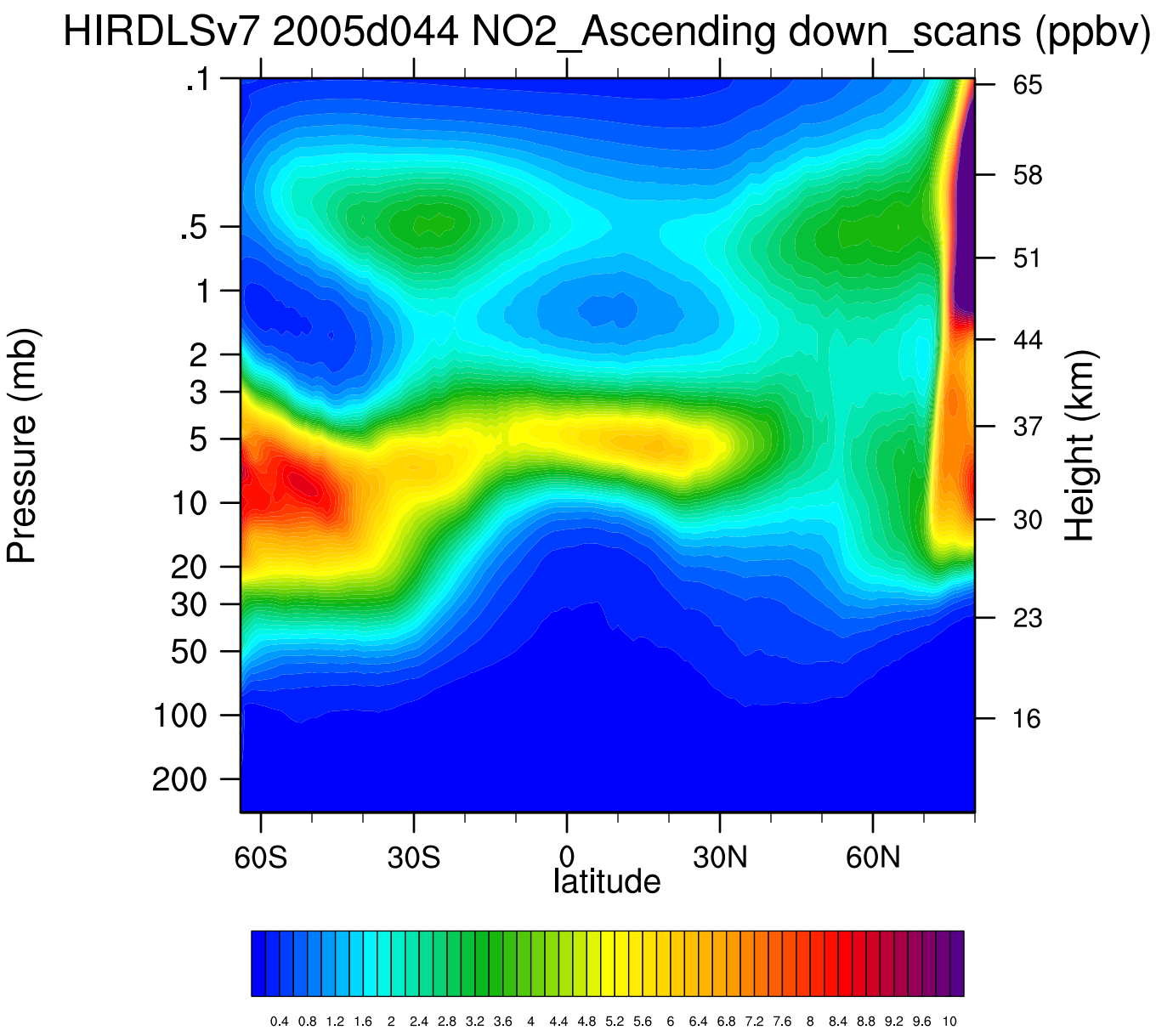

HIRDLSv7 2005d039 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

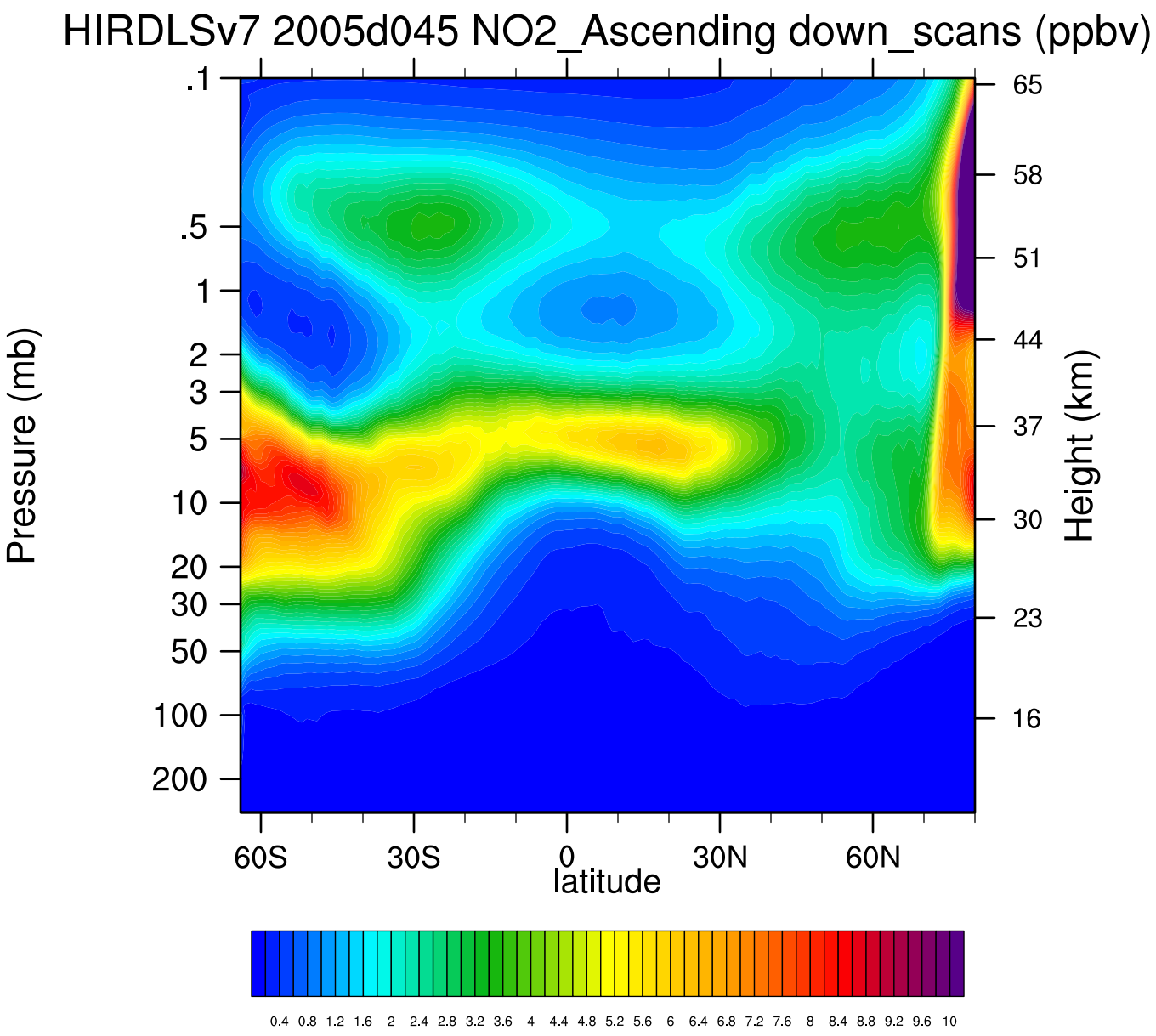

HIRDLSv7 2005d040 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

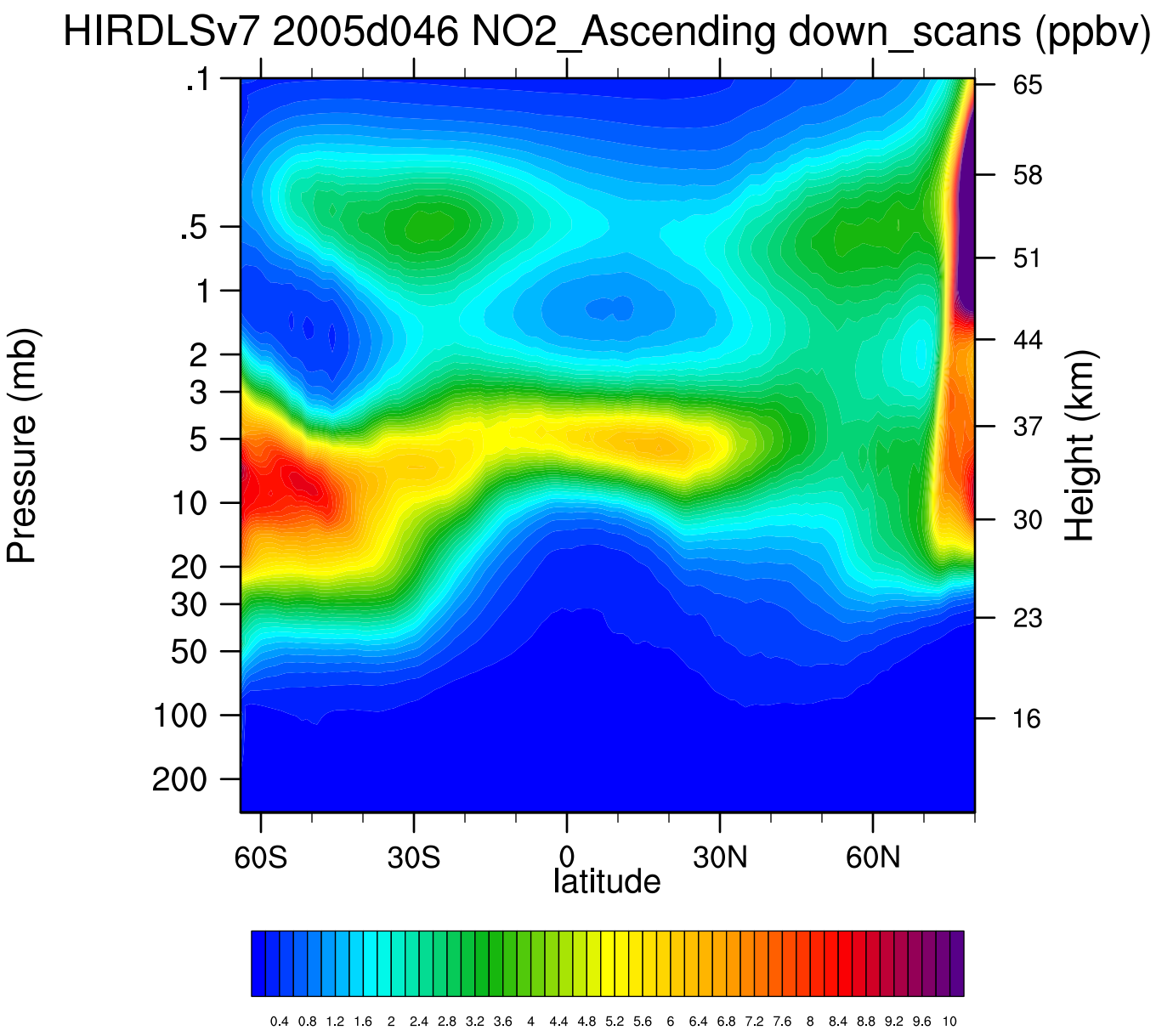

HIRDLSv7 2005d041 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

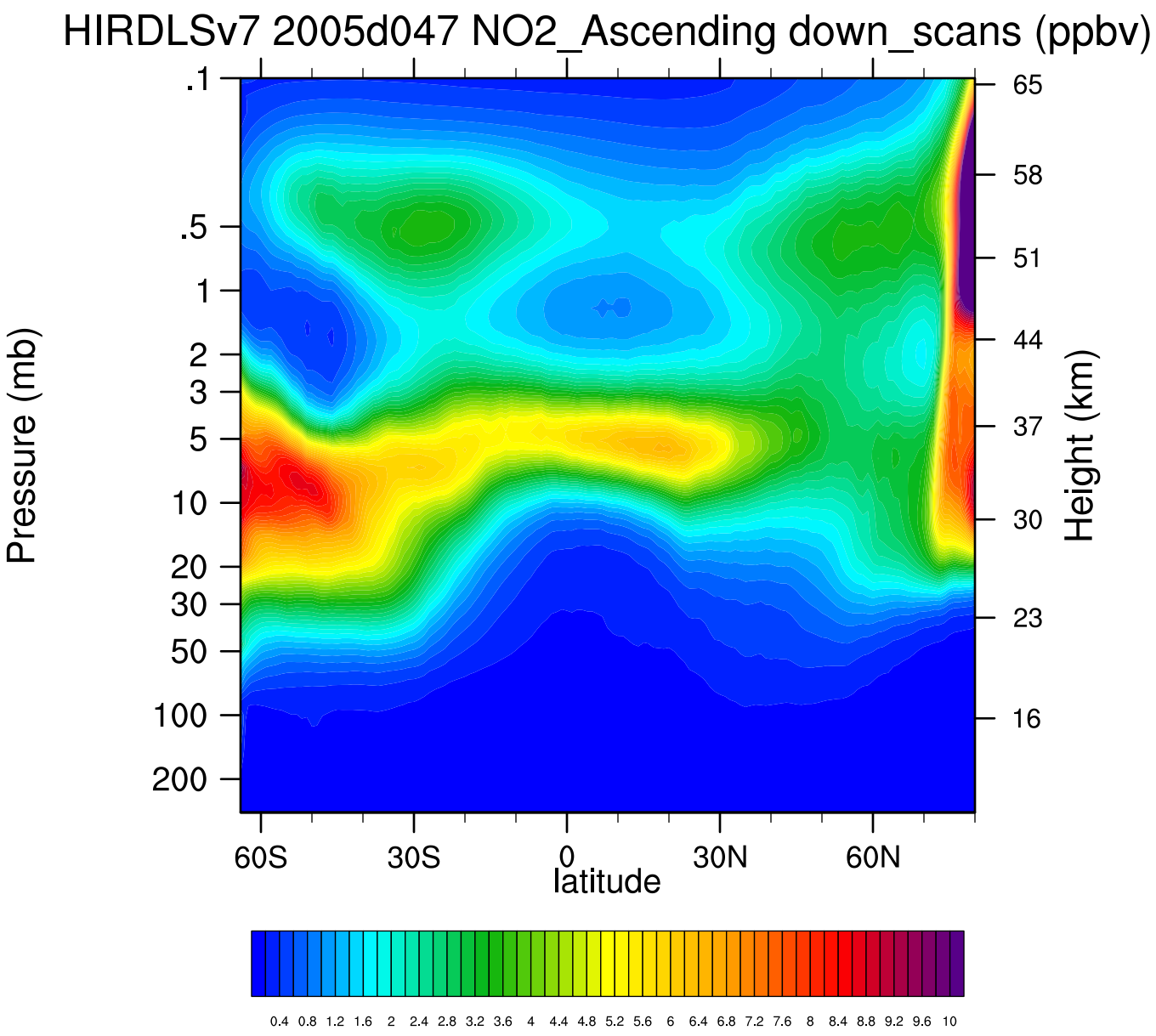

HIRDLSv7 2005d042 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

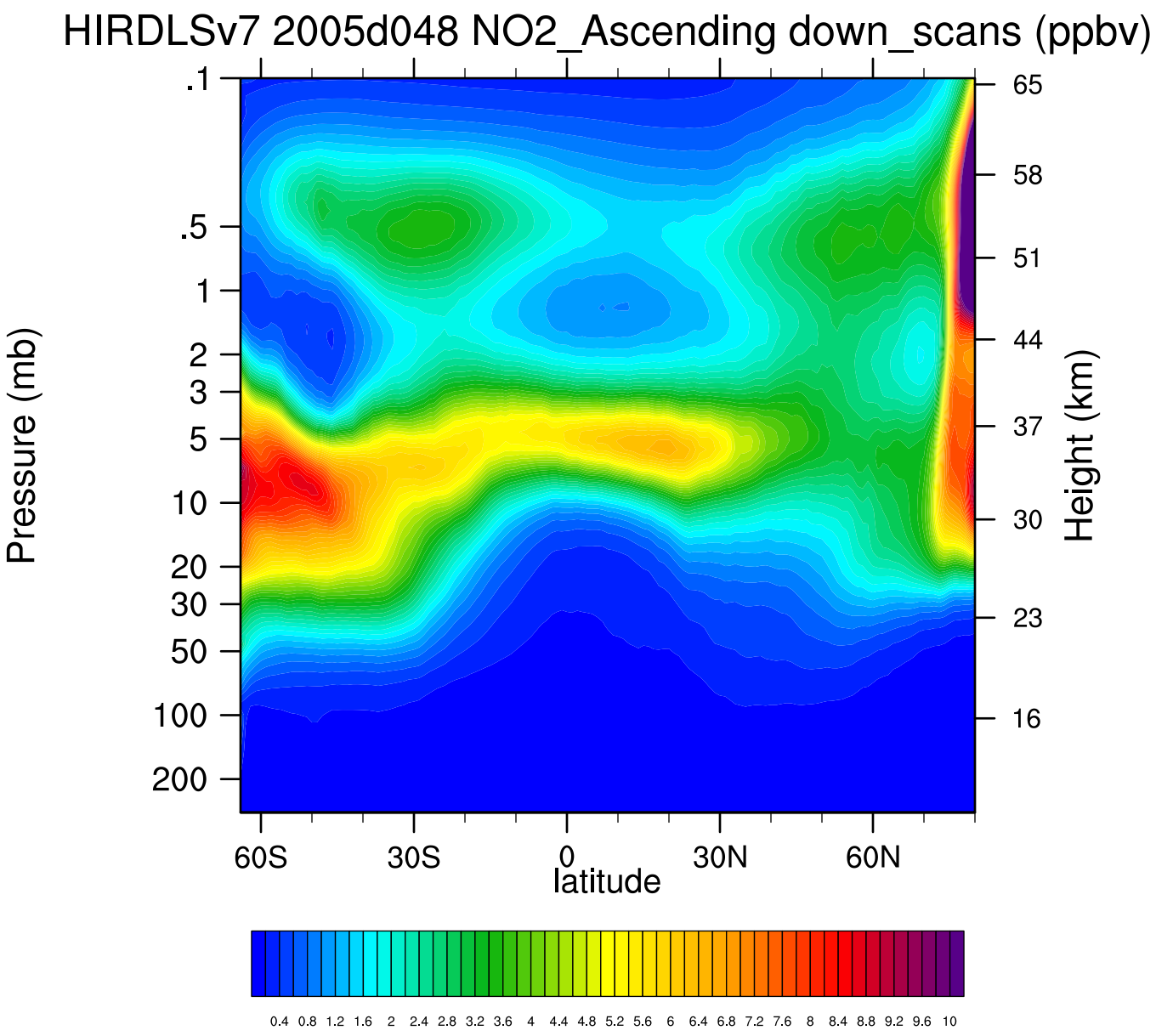

HIRDLSv7 2005d043 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2005d044 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2005d045 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2005d046 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2005d047 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2005d048 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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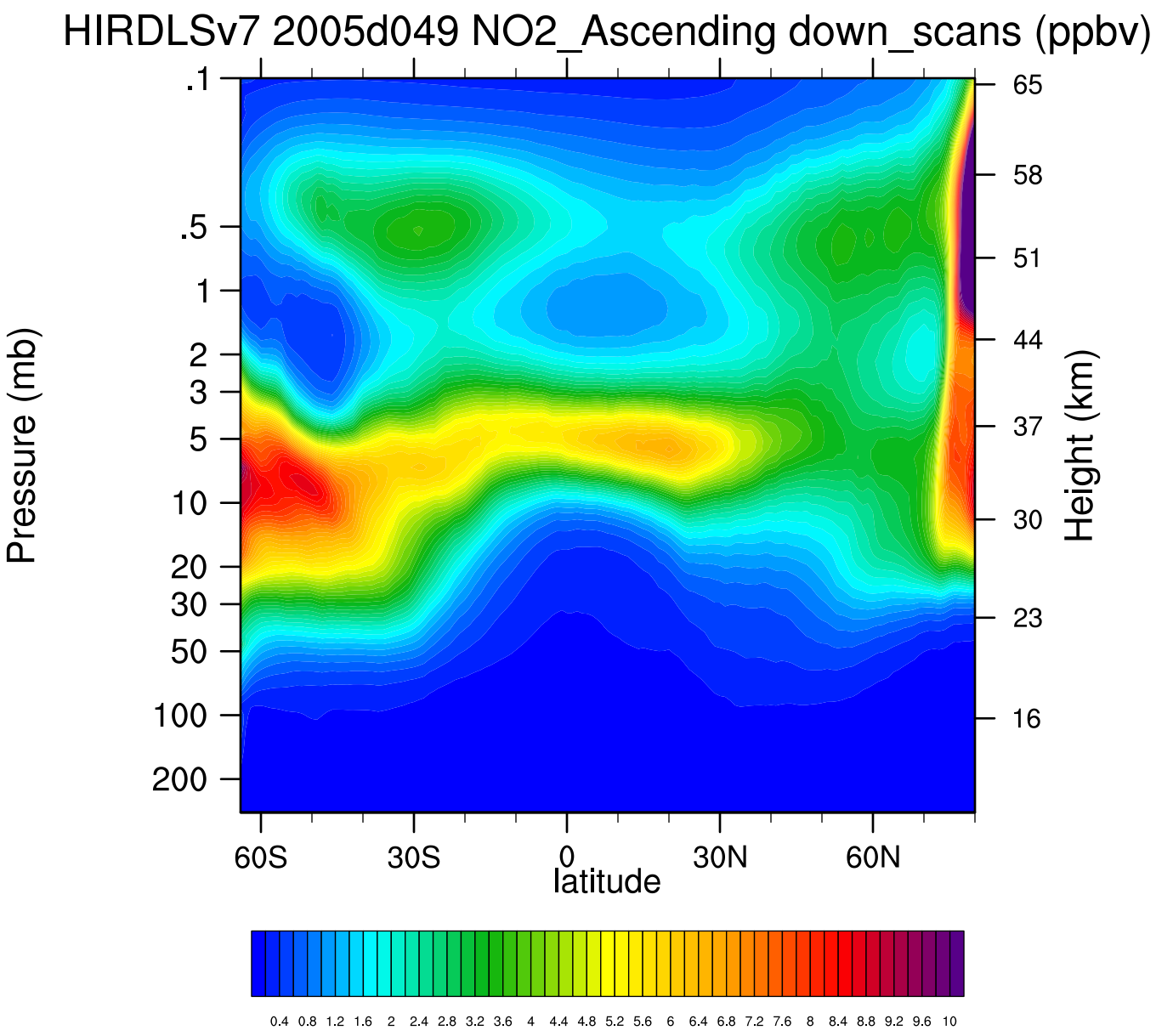
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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.5
1
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3
5
10
20
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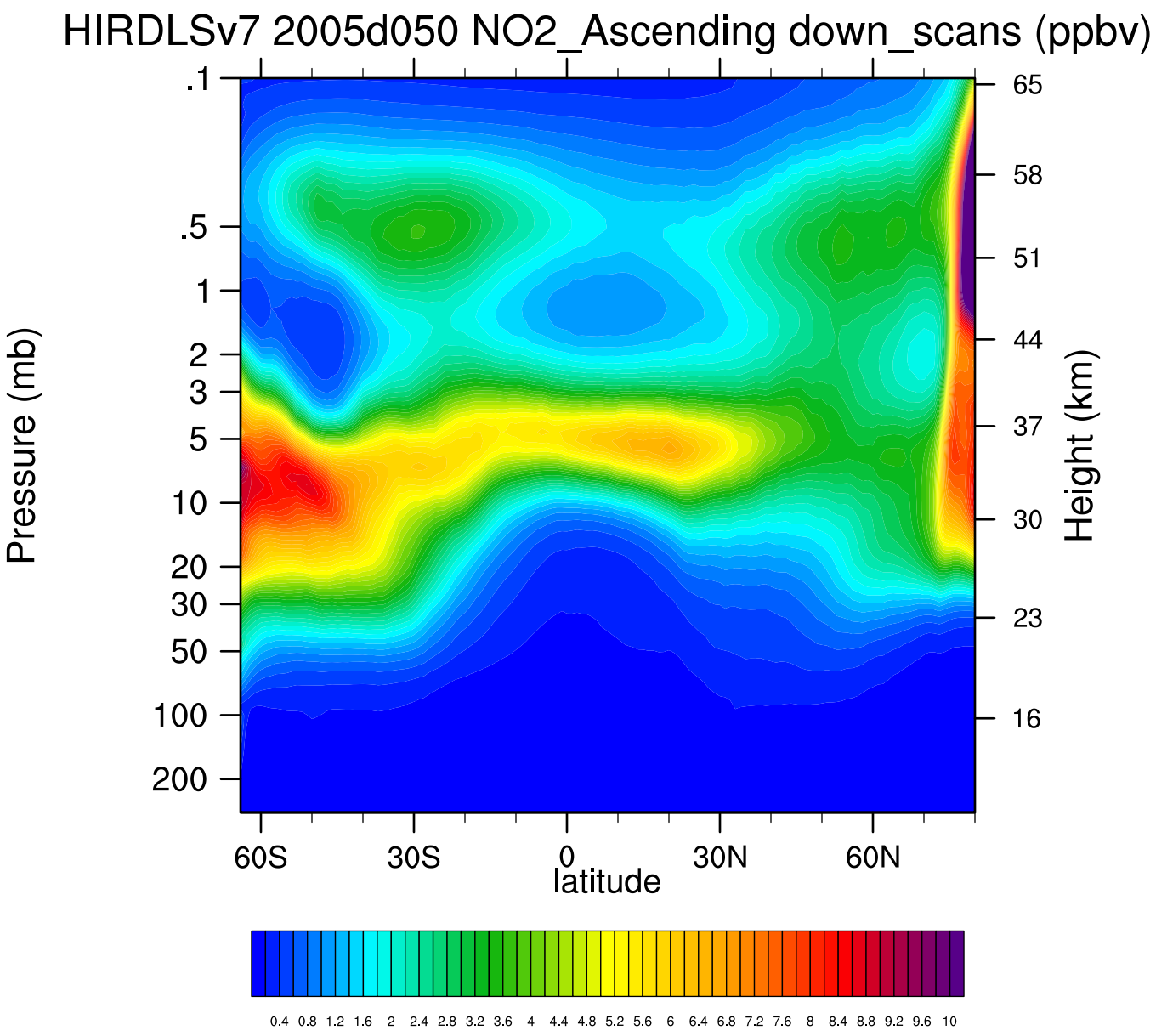
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2005d050 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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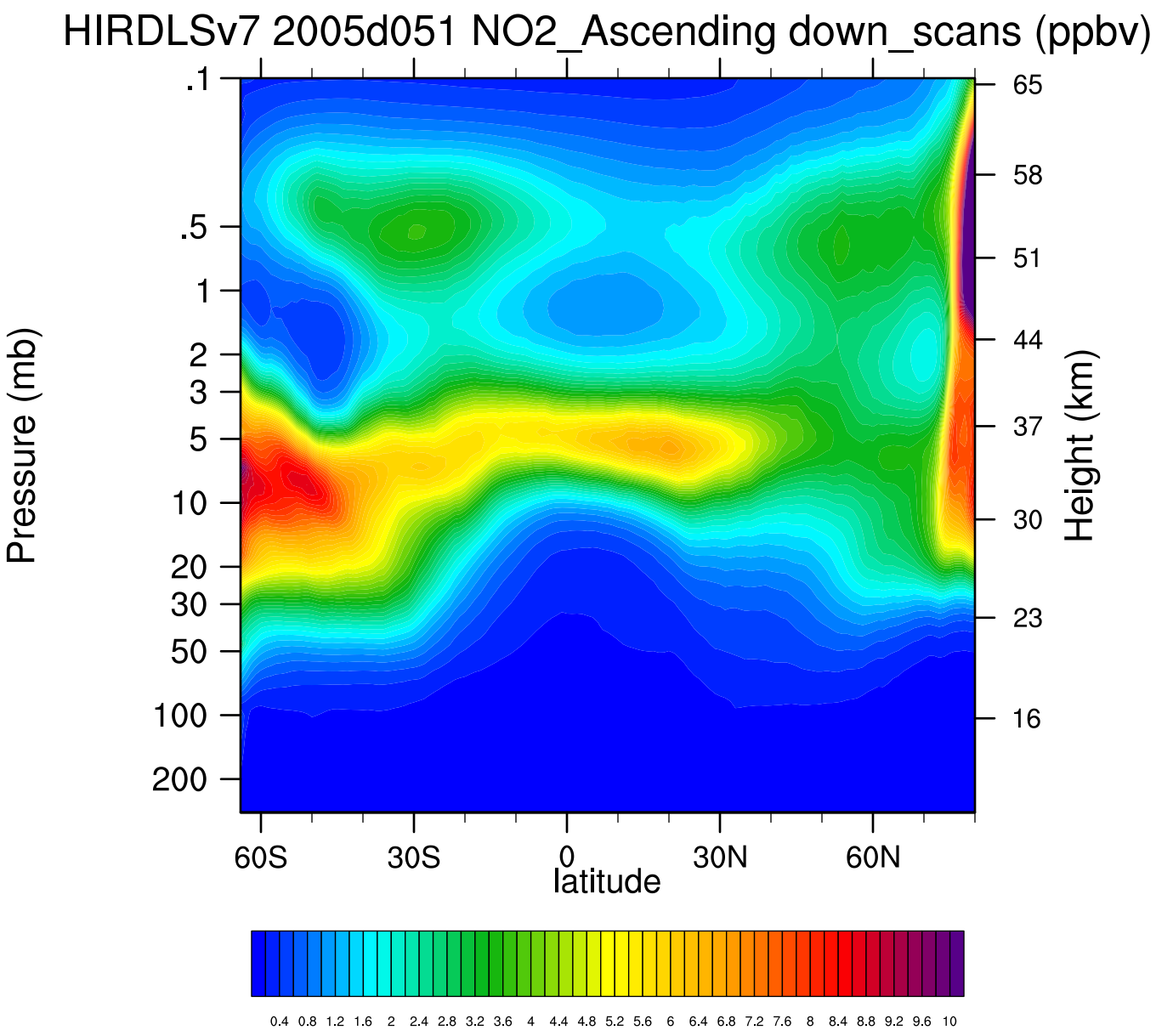
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2005d051 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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.5
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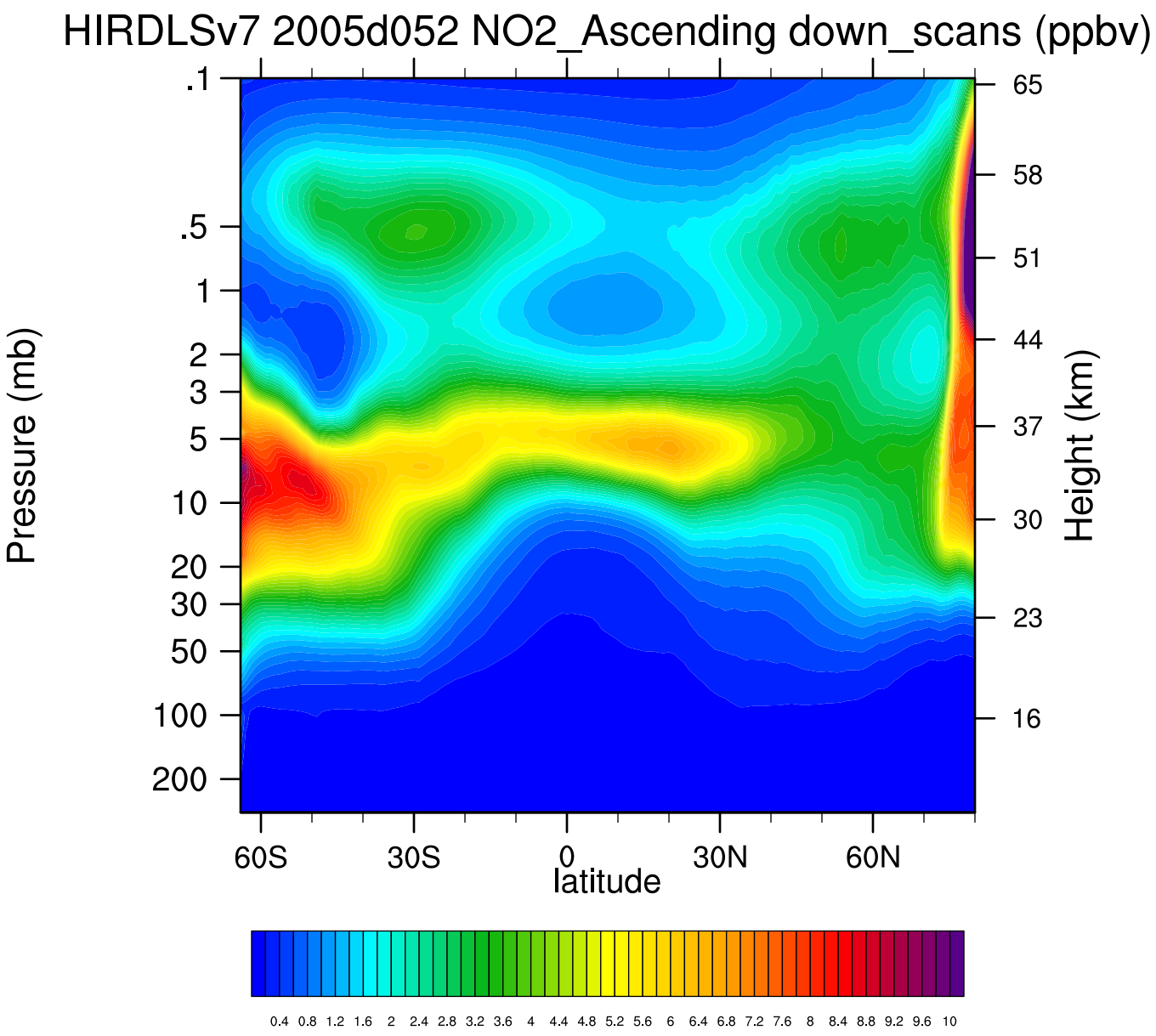
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2005d052 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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.5
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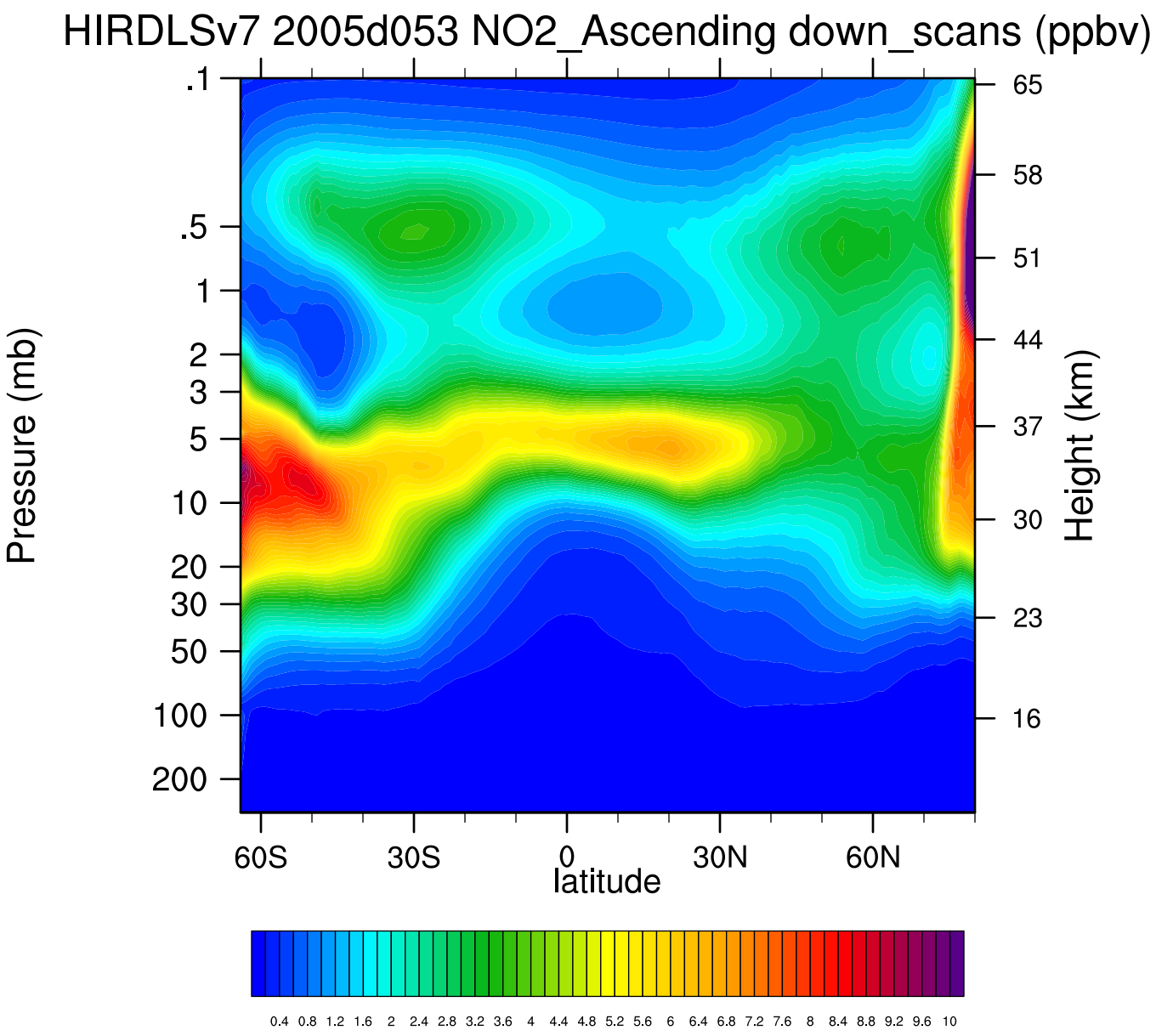
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2005d053 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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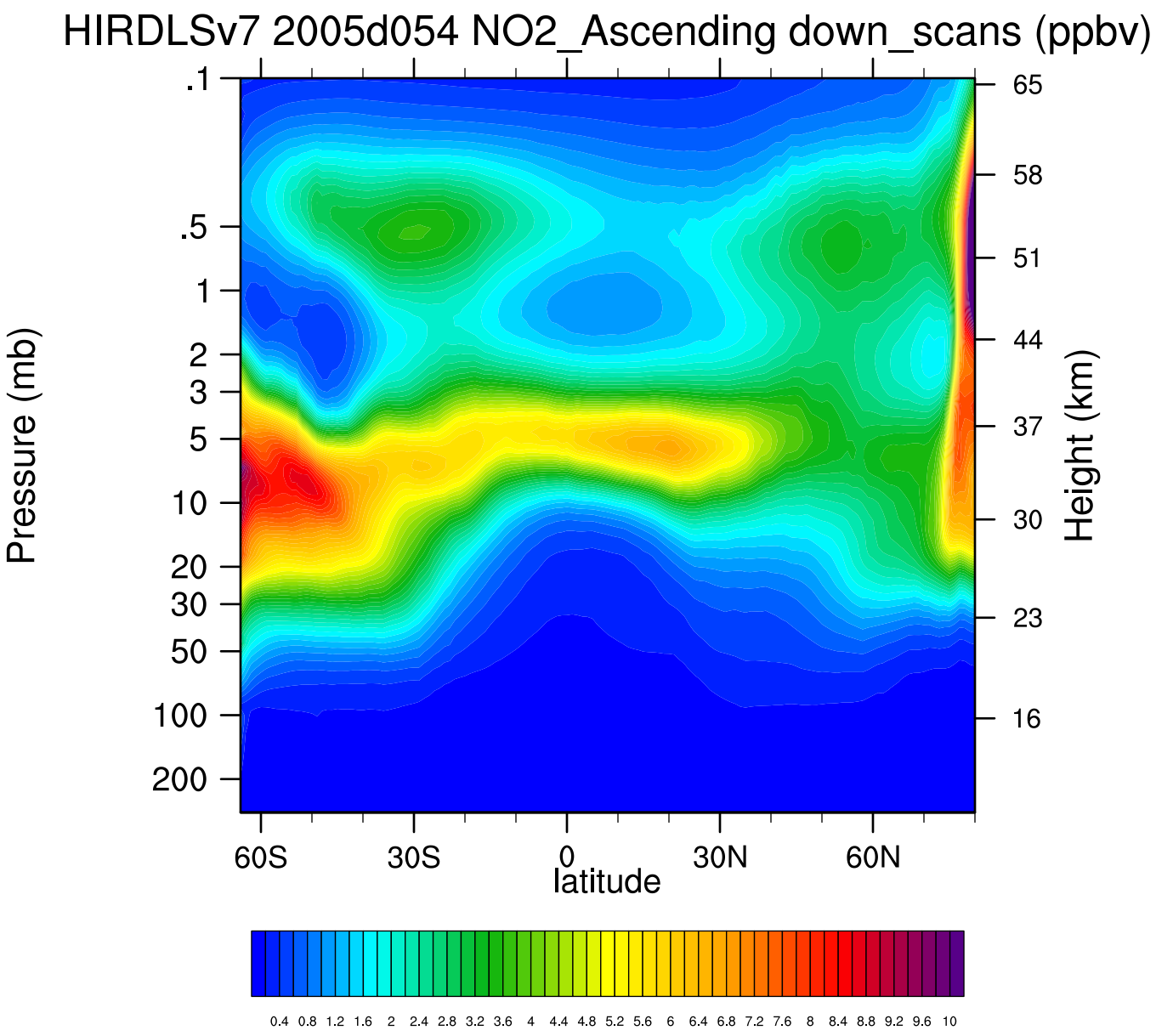
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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.5
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2
3
5
10
20
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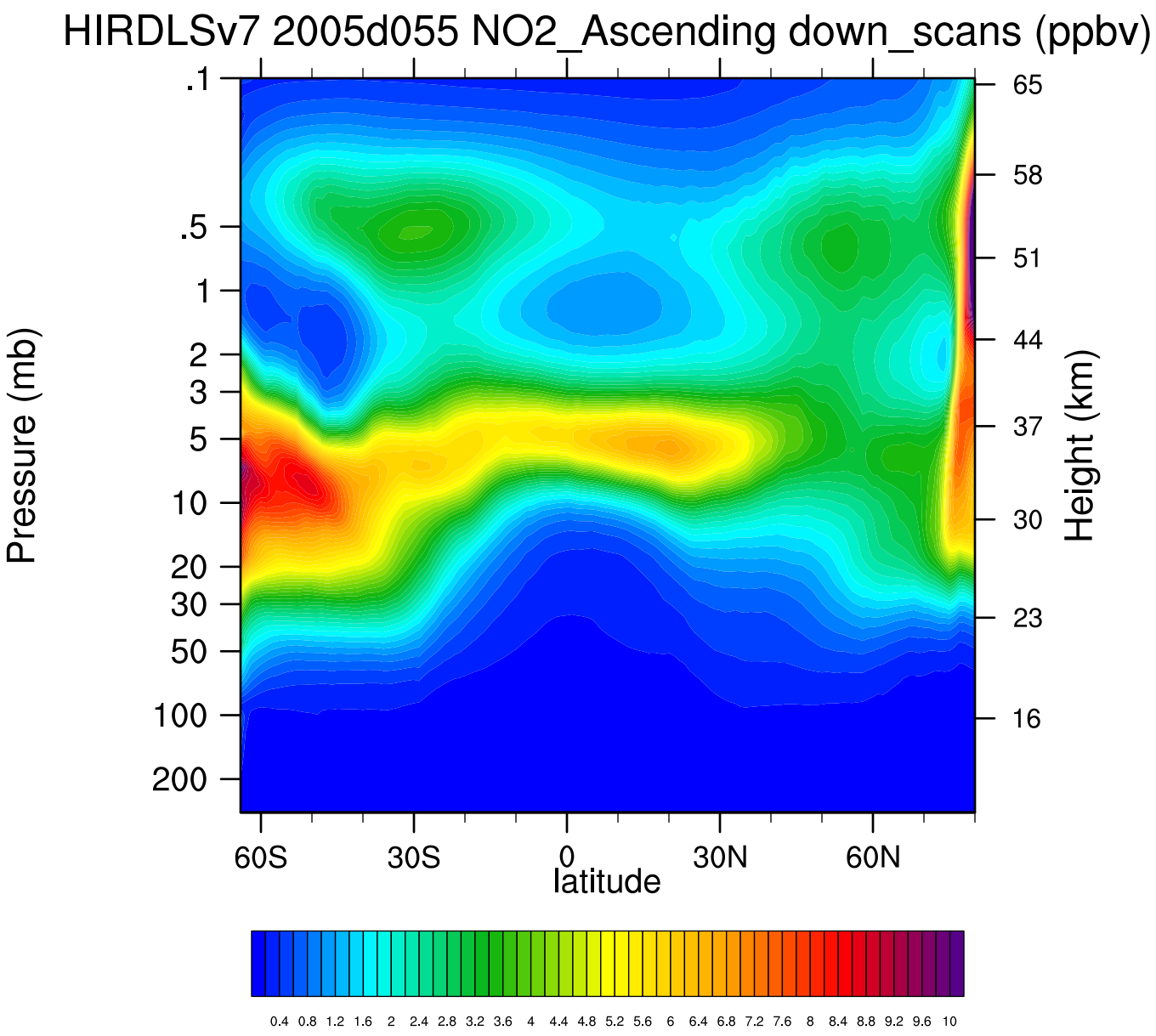
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2005d055 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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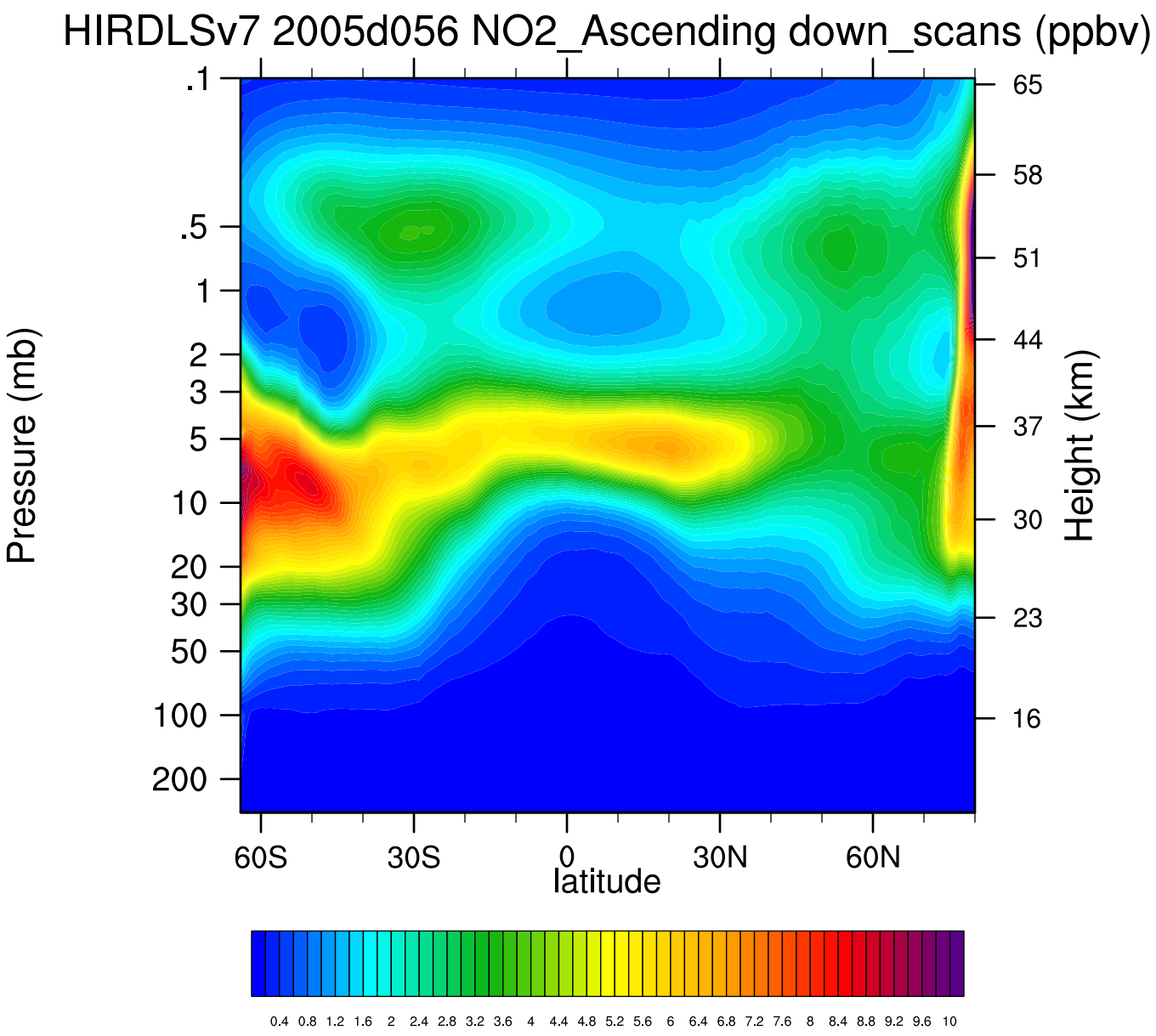
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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.5
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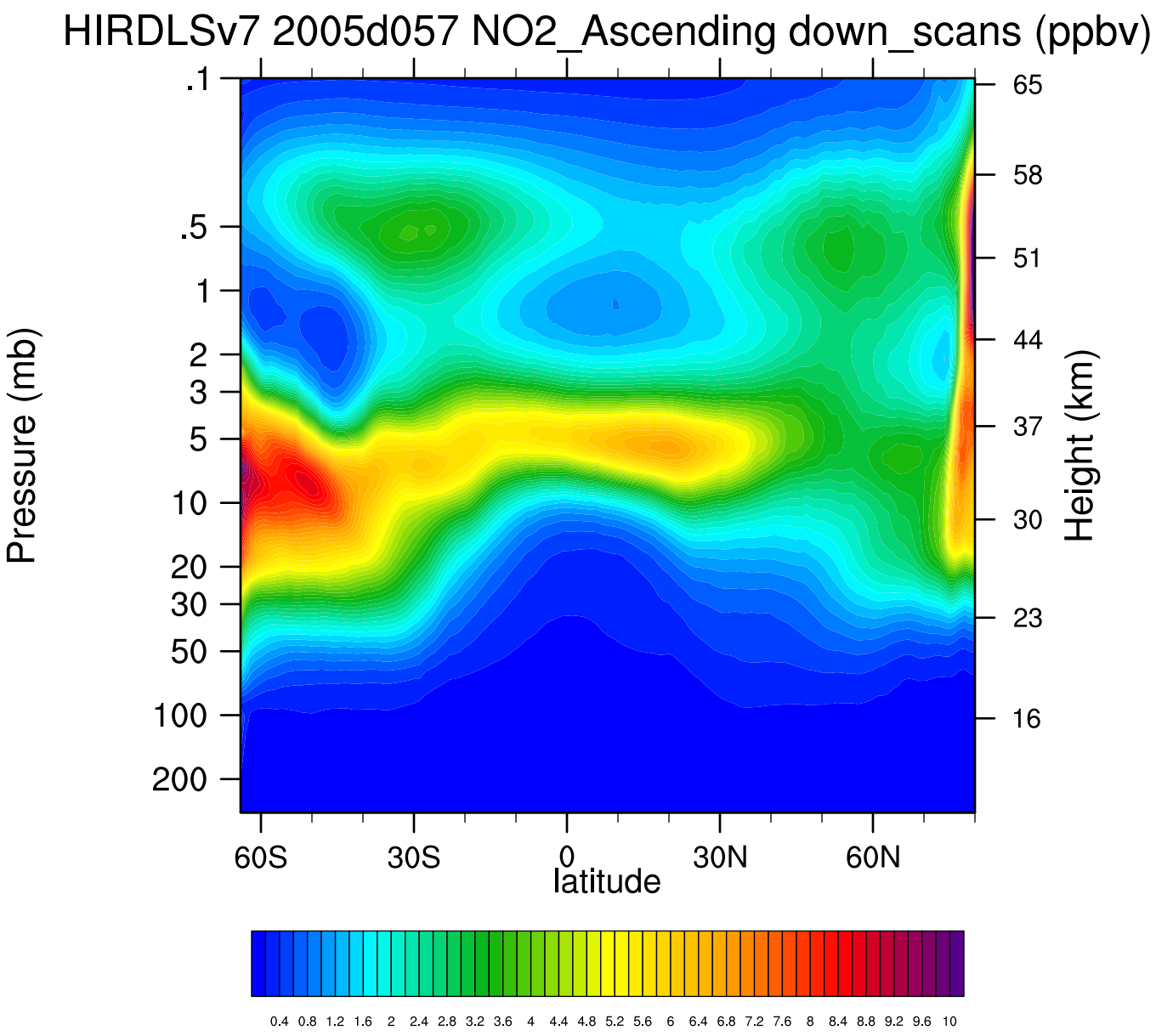
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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.5
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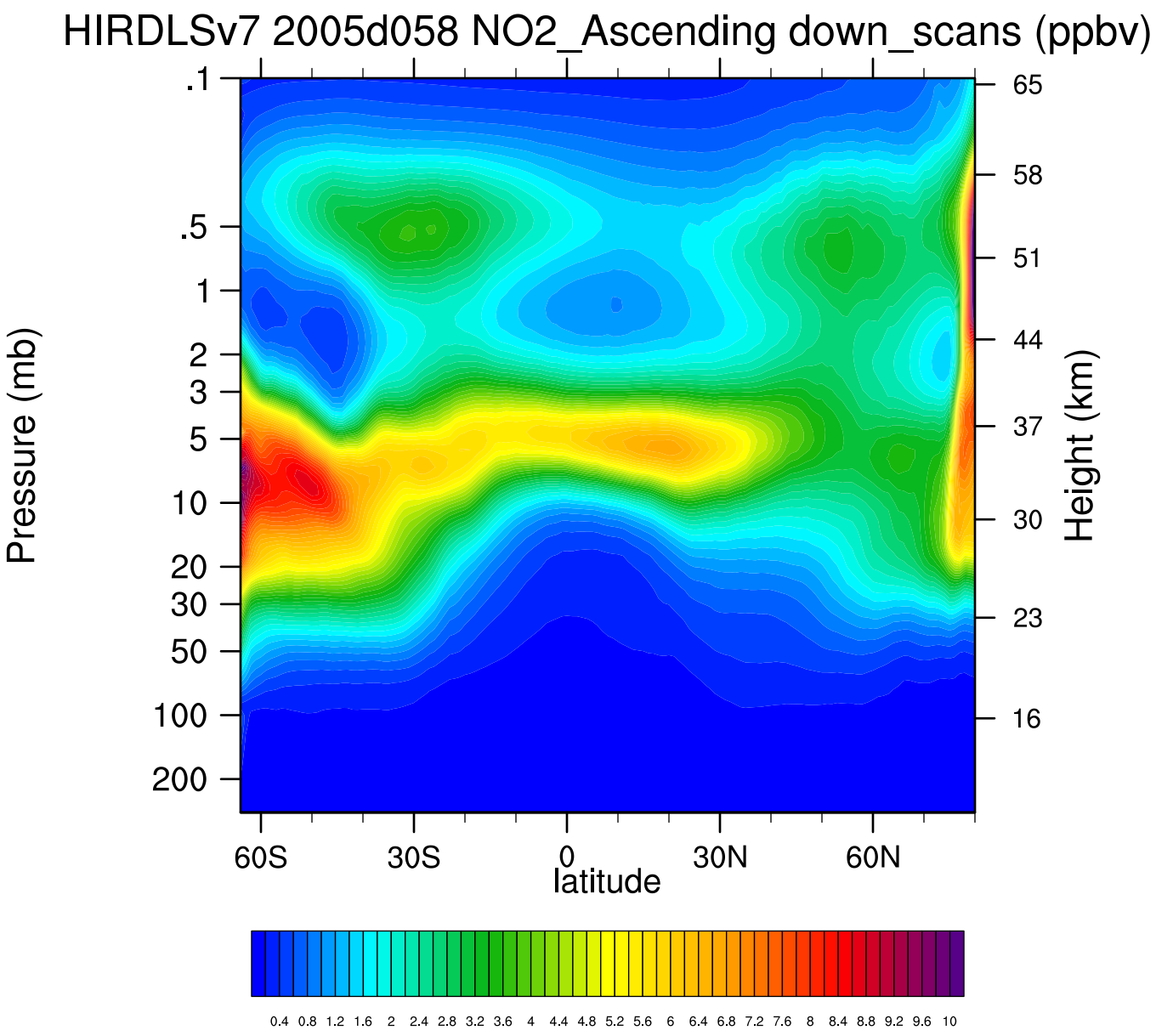
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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.5
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2
3
5
10
20
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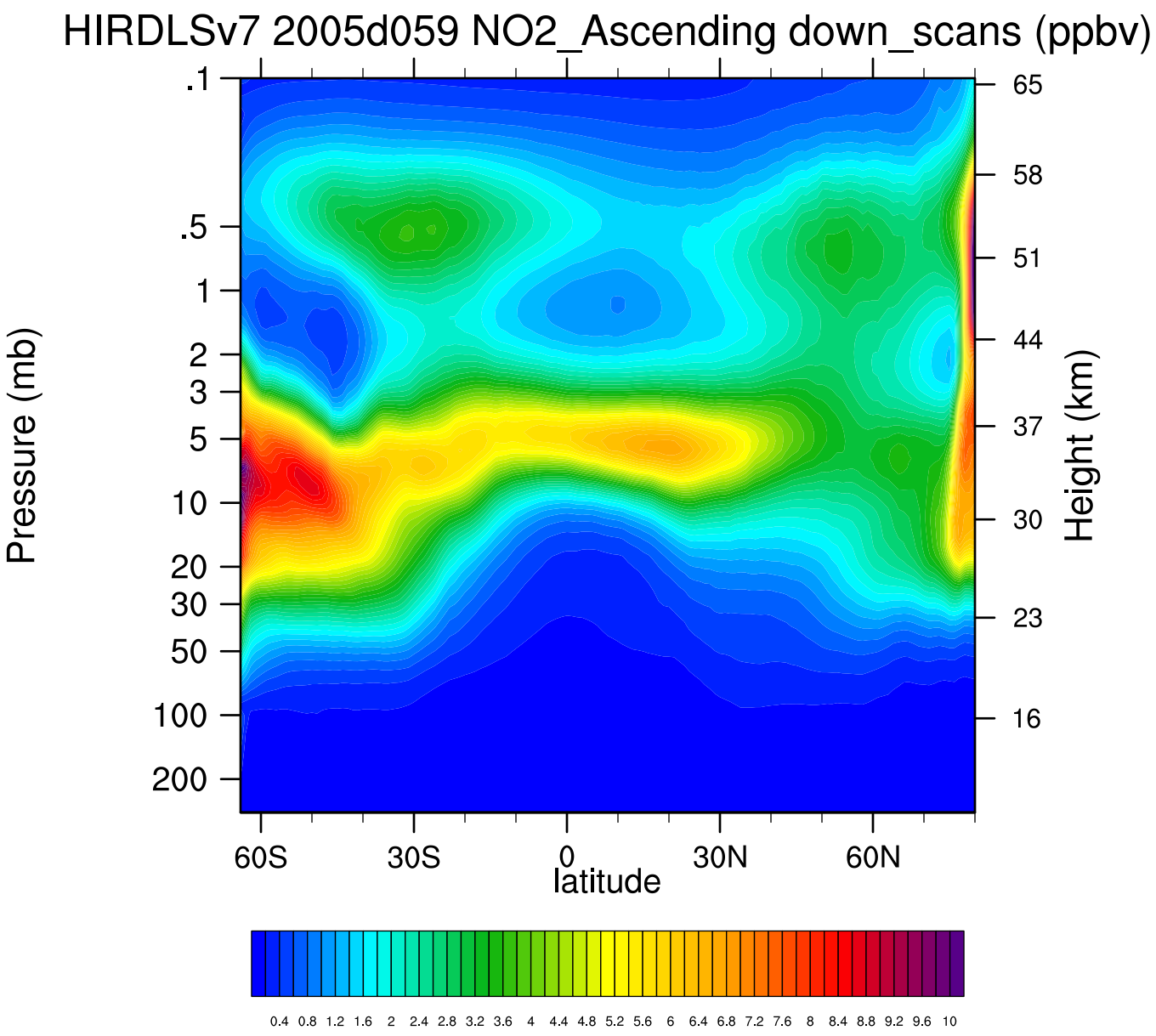
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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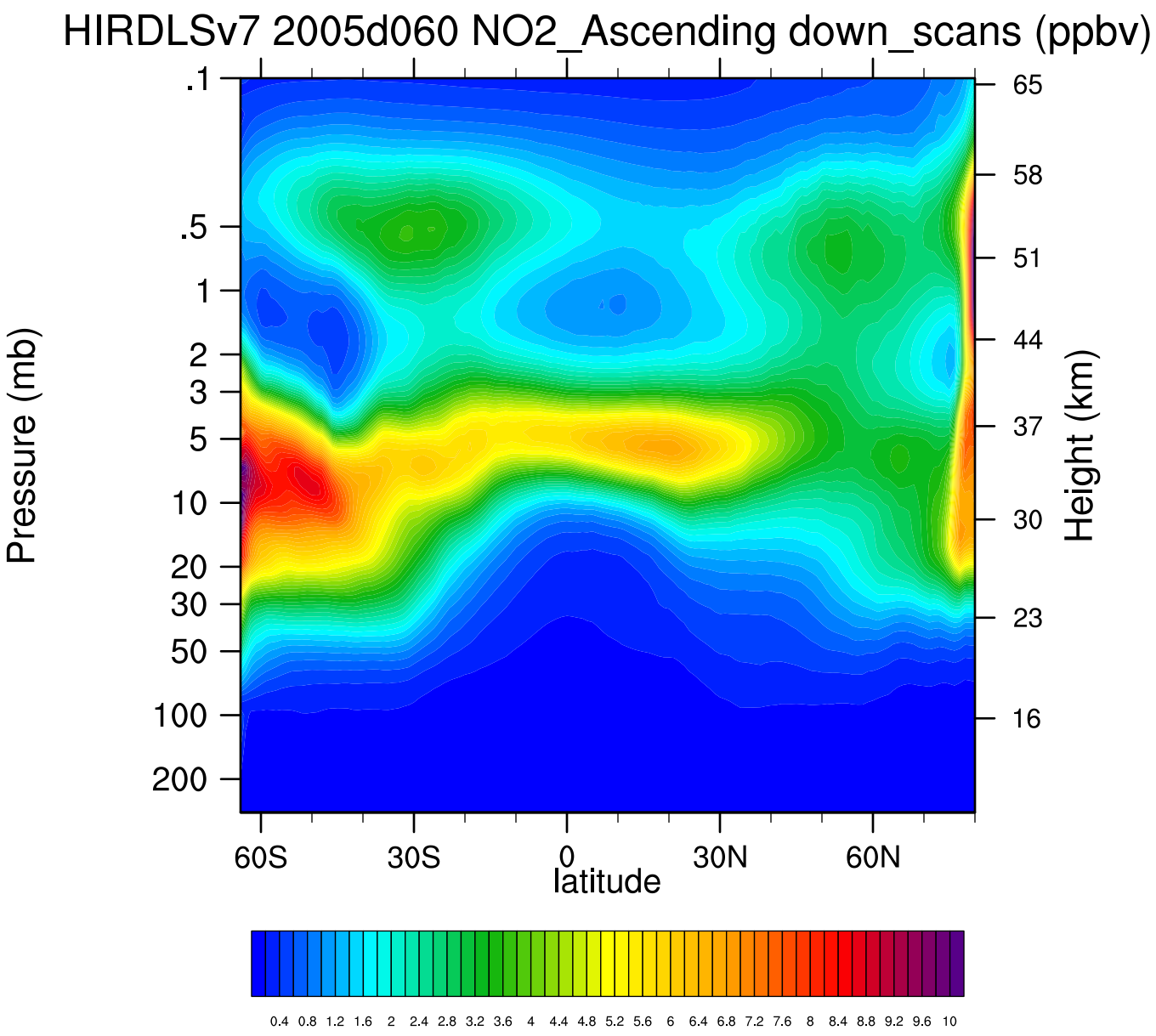
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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.5
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2
3
5
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20
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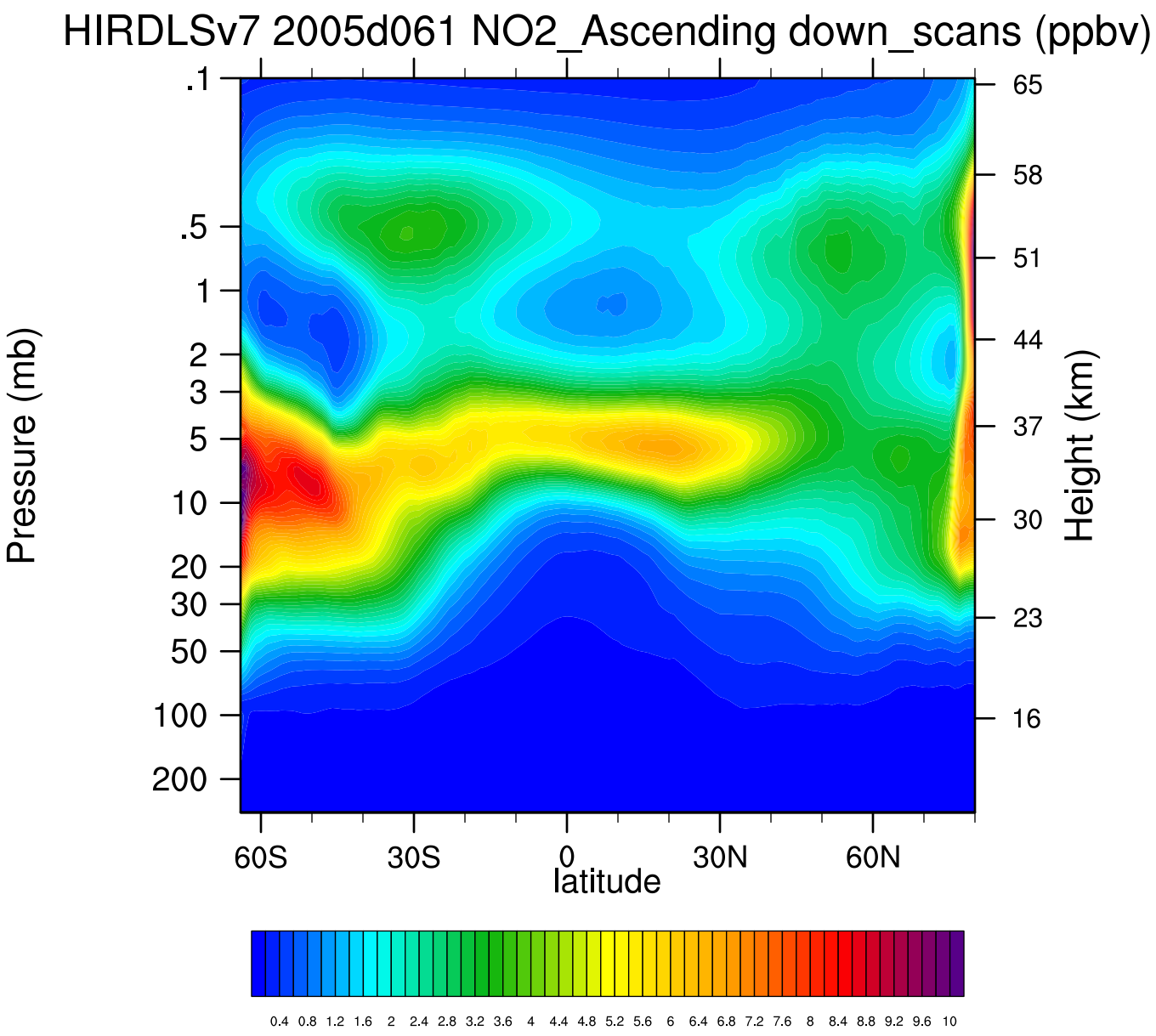
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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.5
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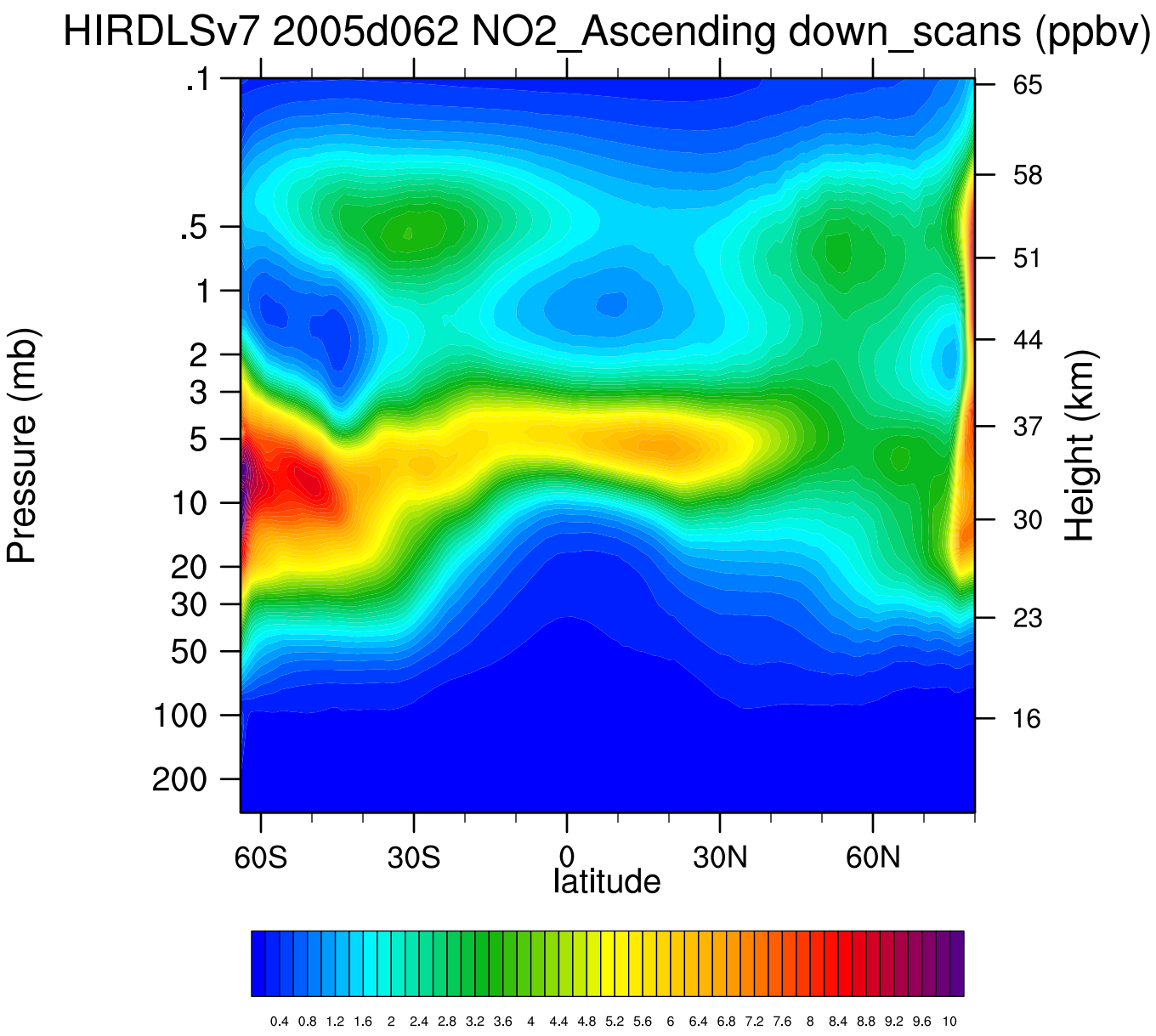
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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.5
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2
3
5
10
20
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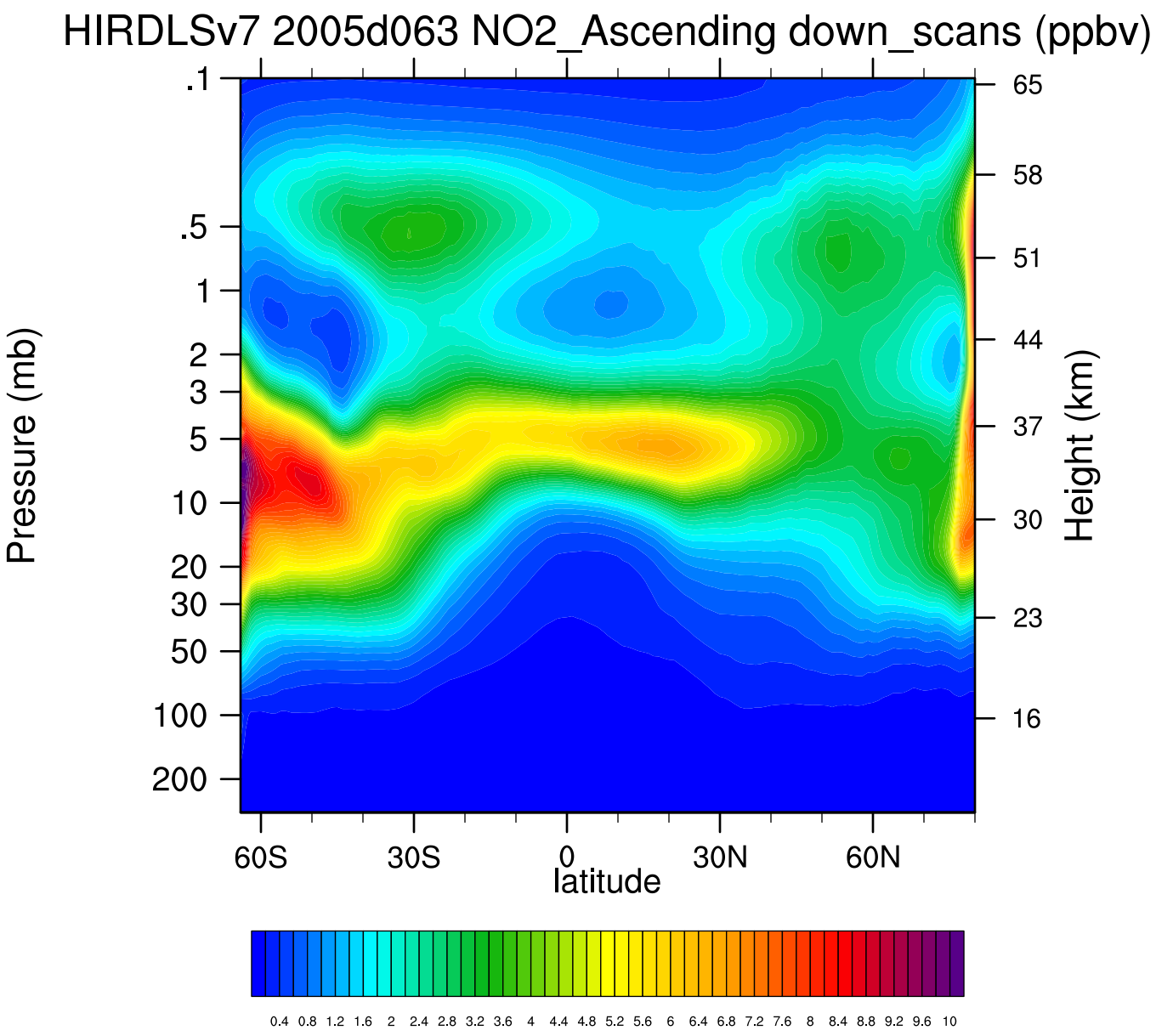
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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.5
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2
3
5
10
20
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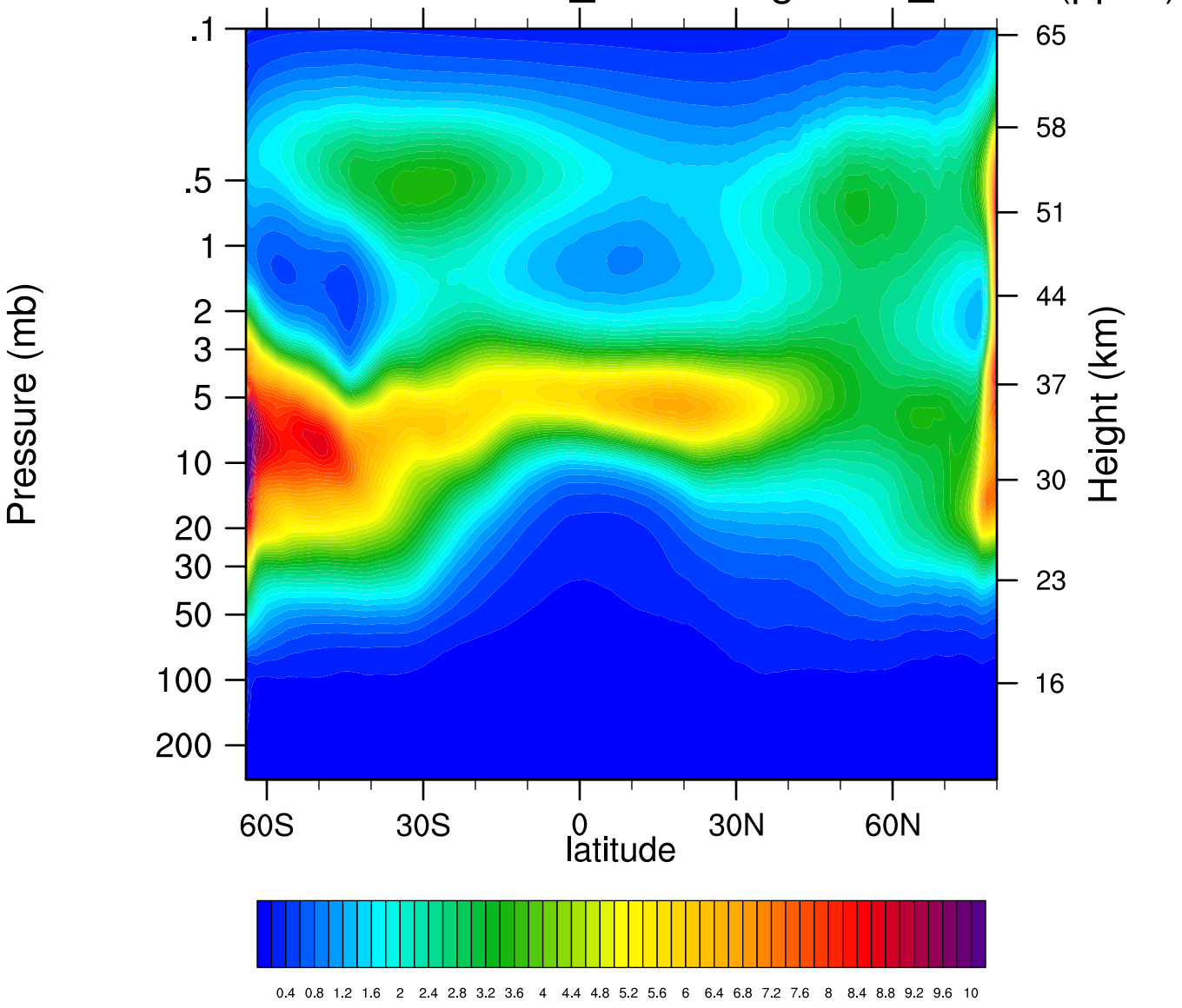
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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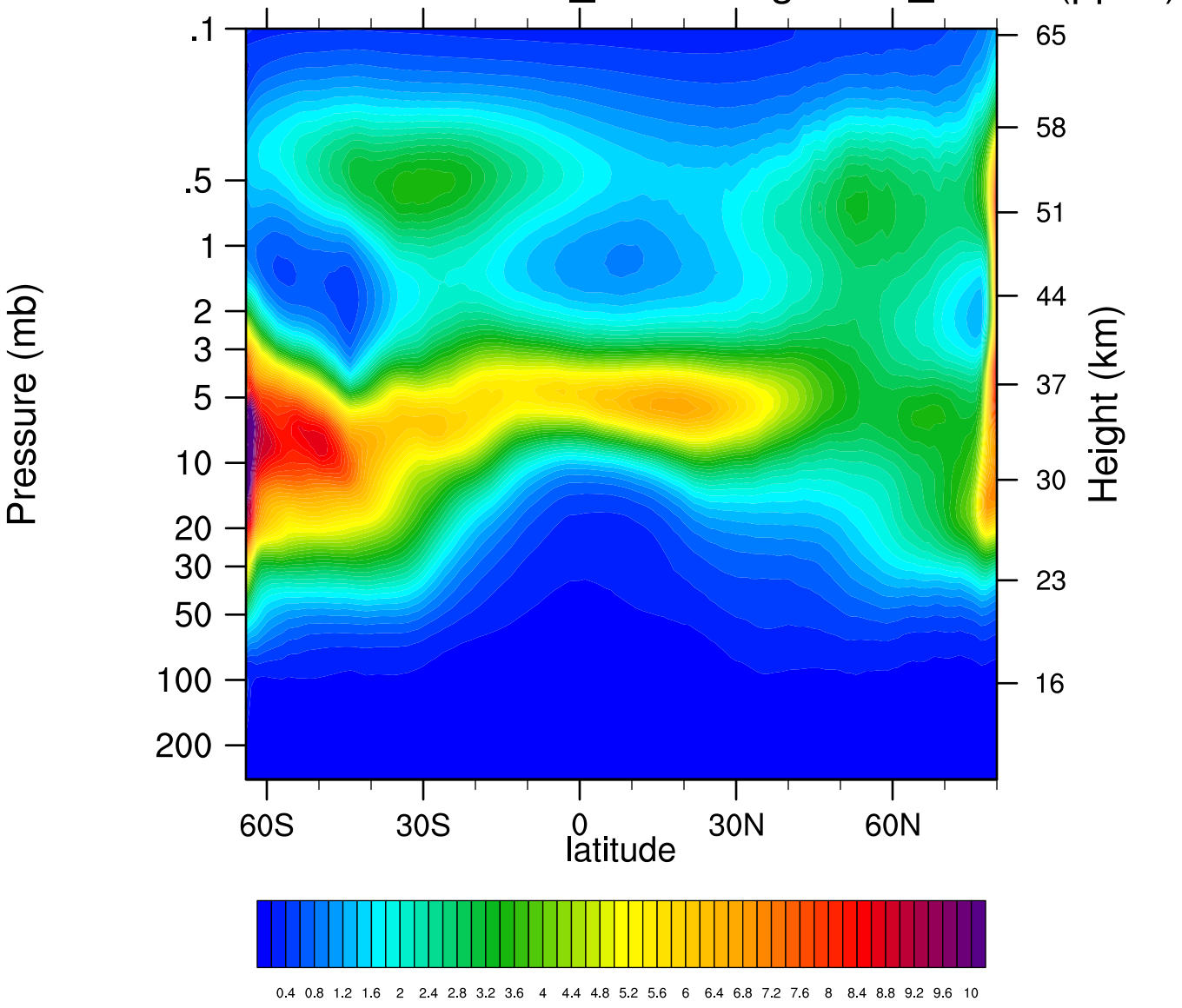
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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.5
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3
5
10
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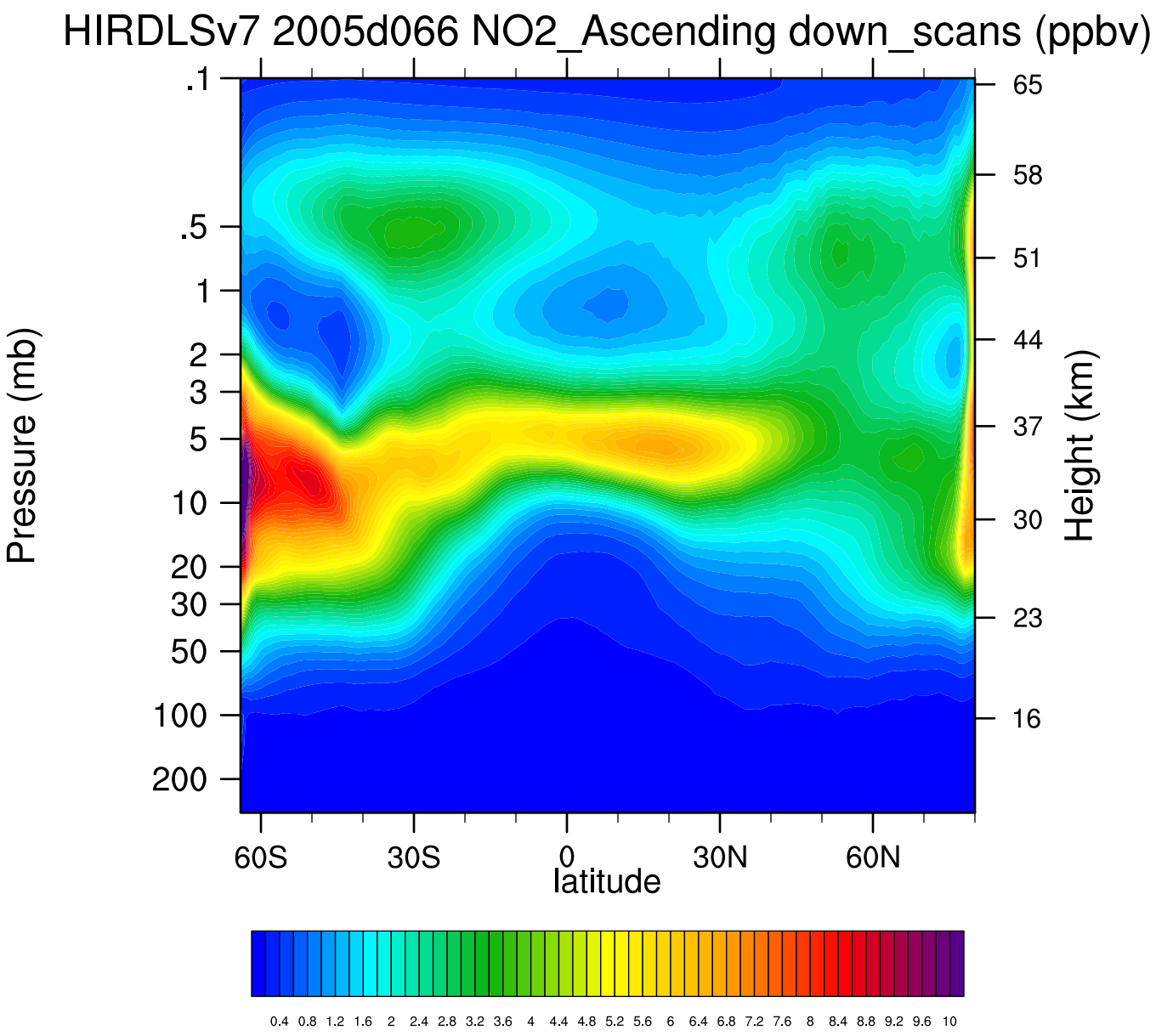
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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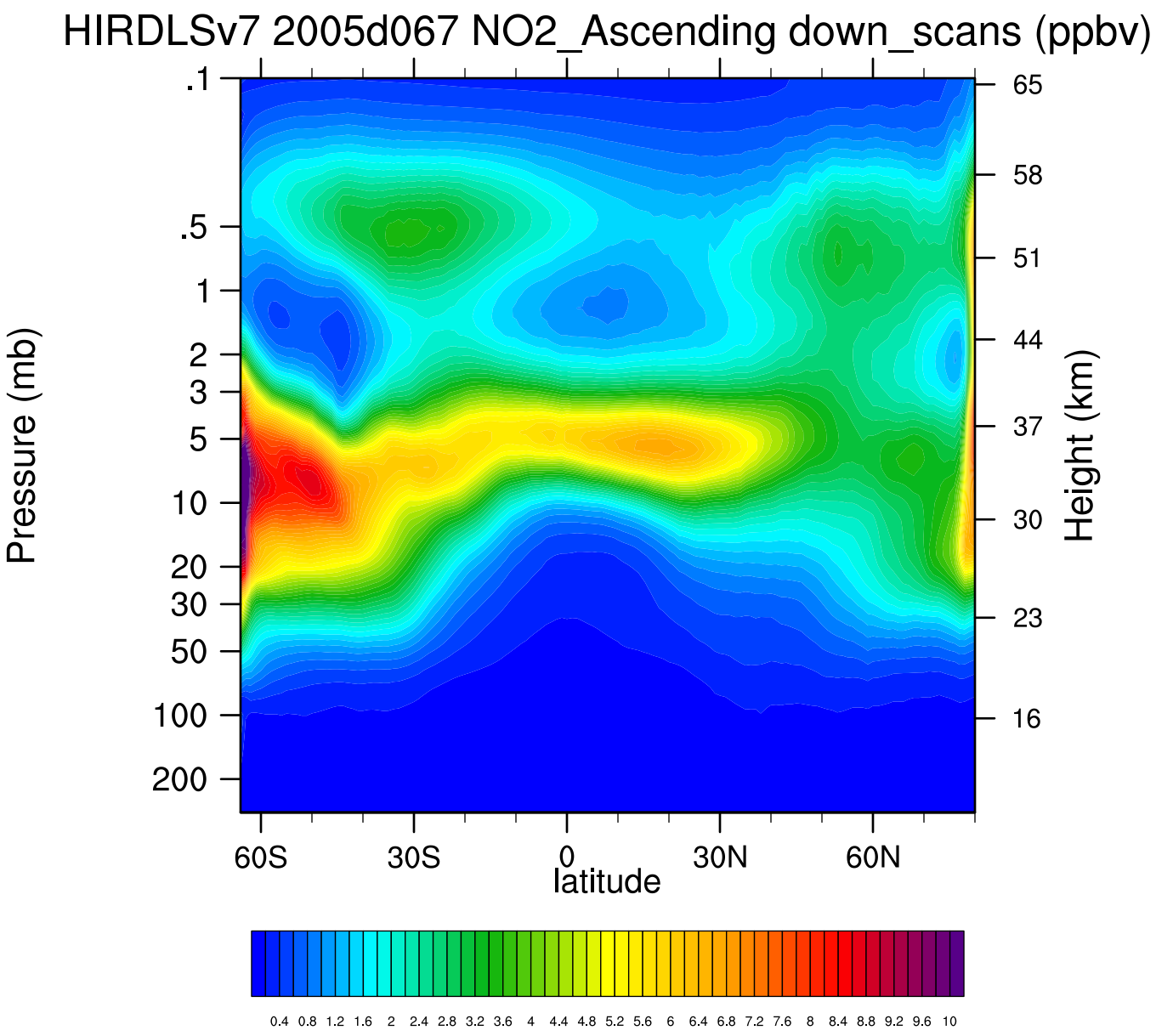
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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3
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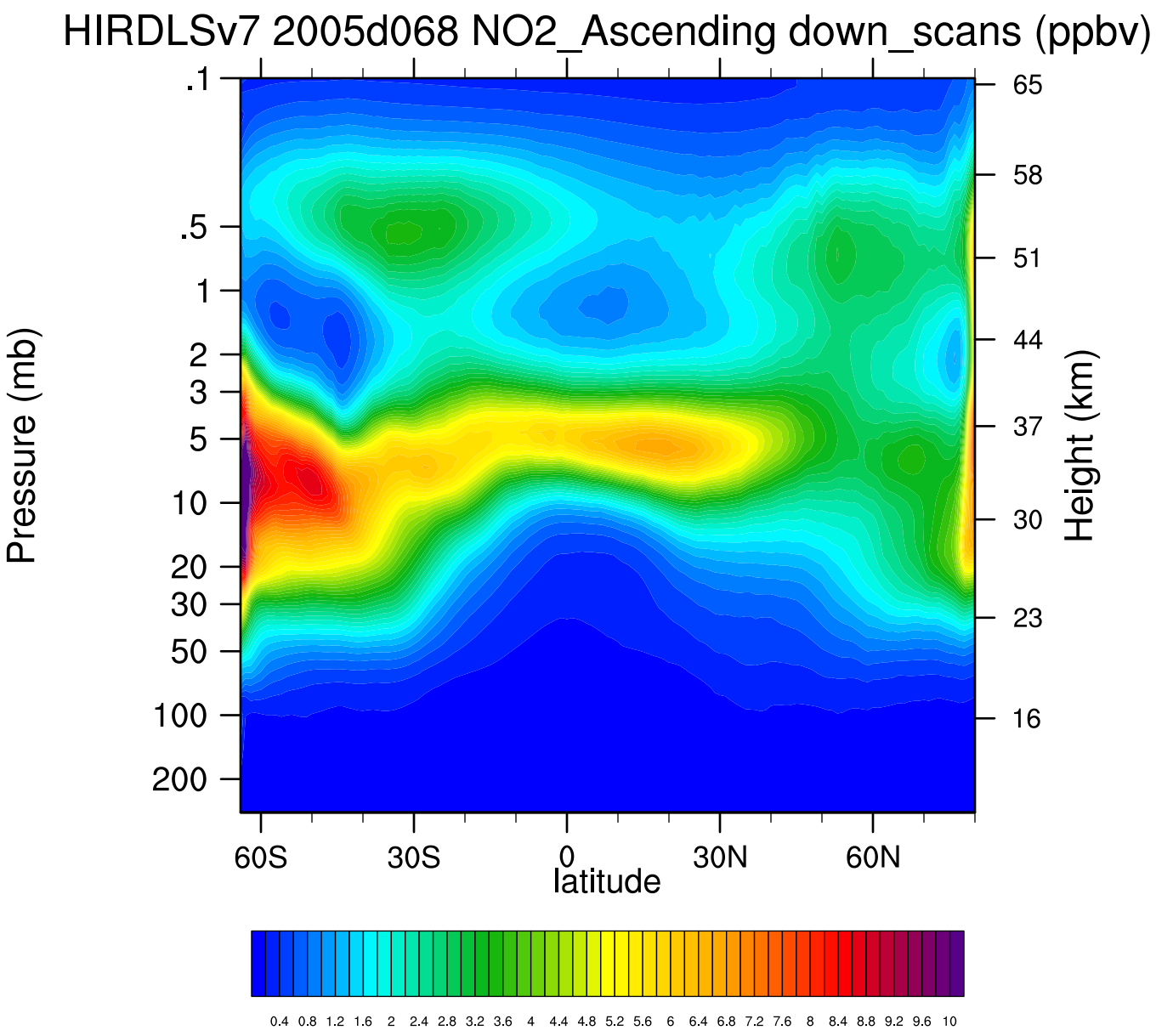
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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.5
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3
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10
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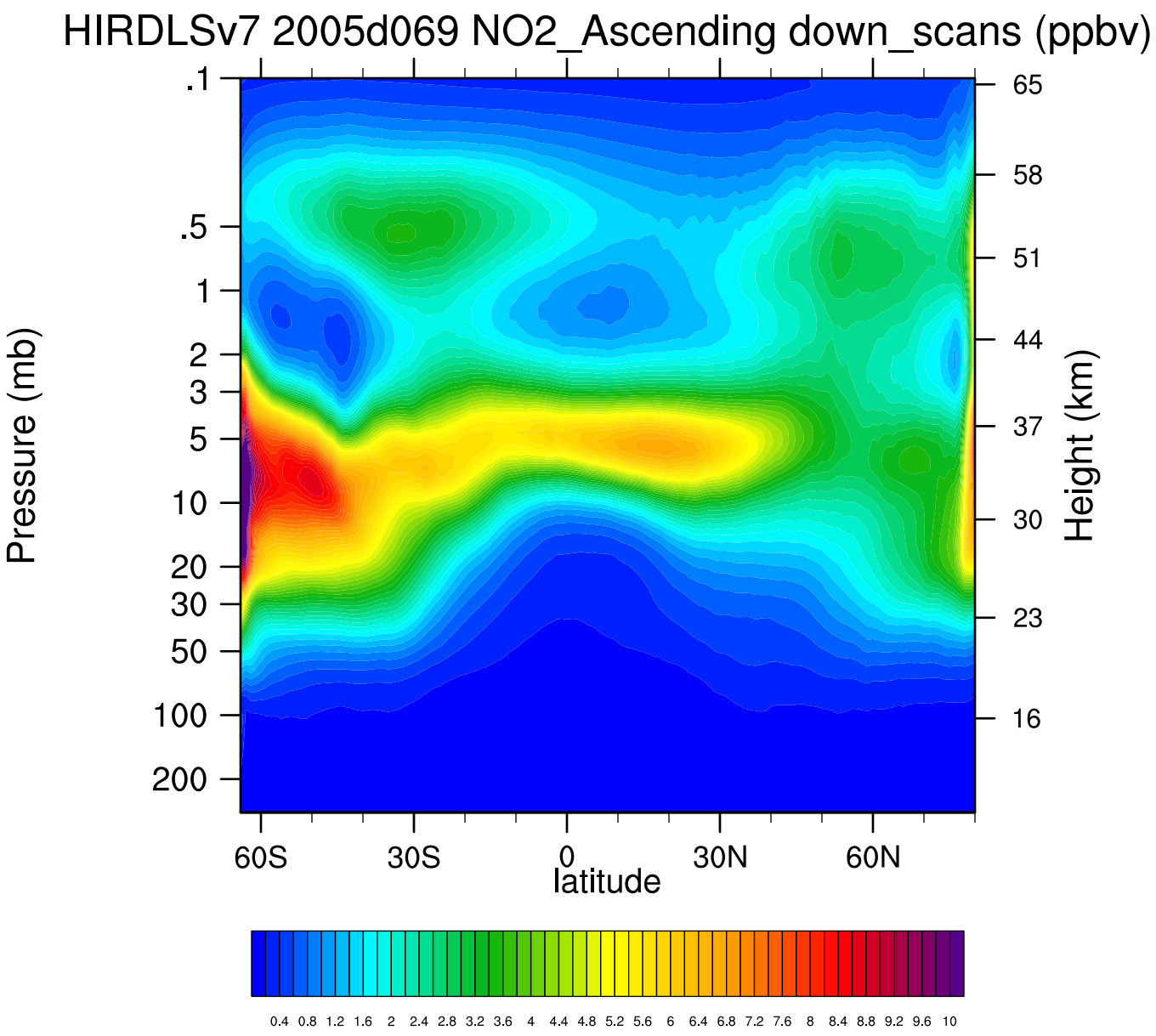
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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1
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3
5
10
20
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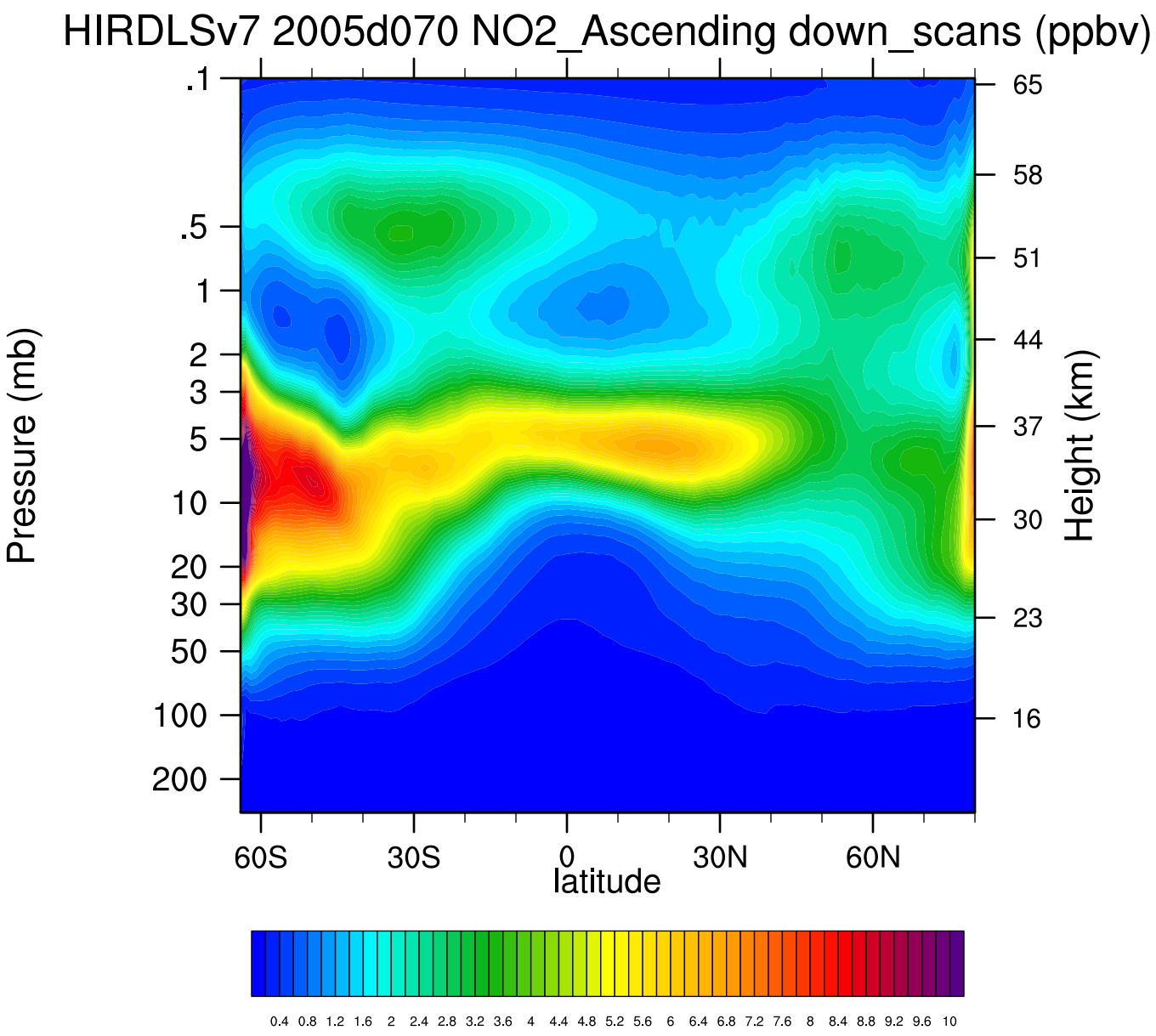
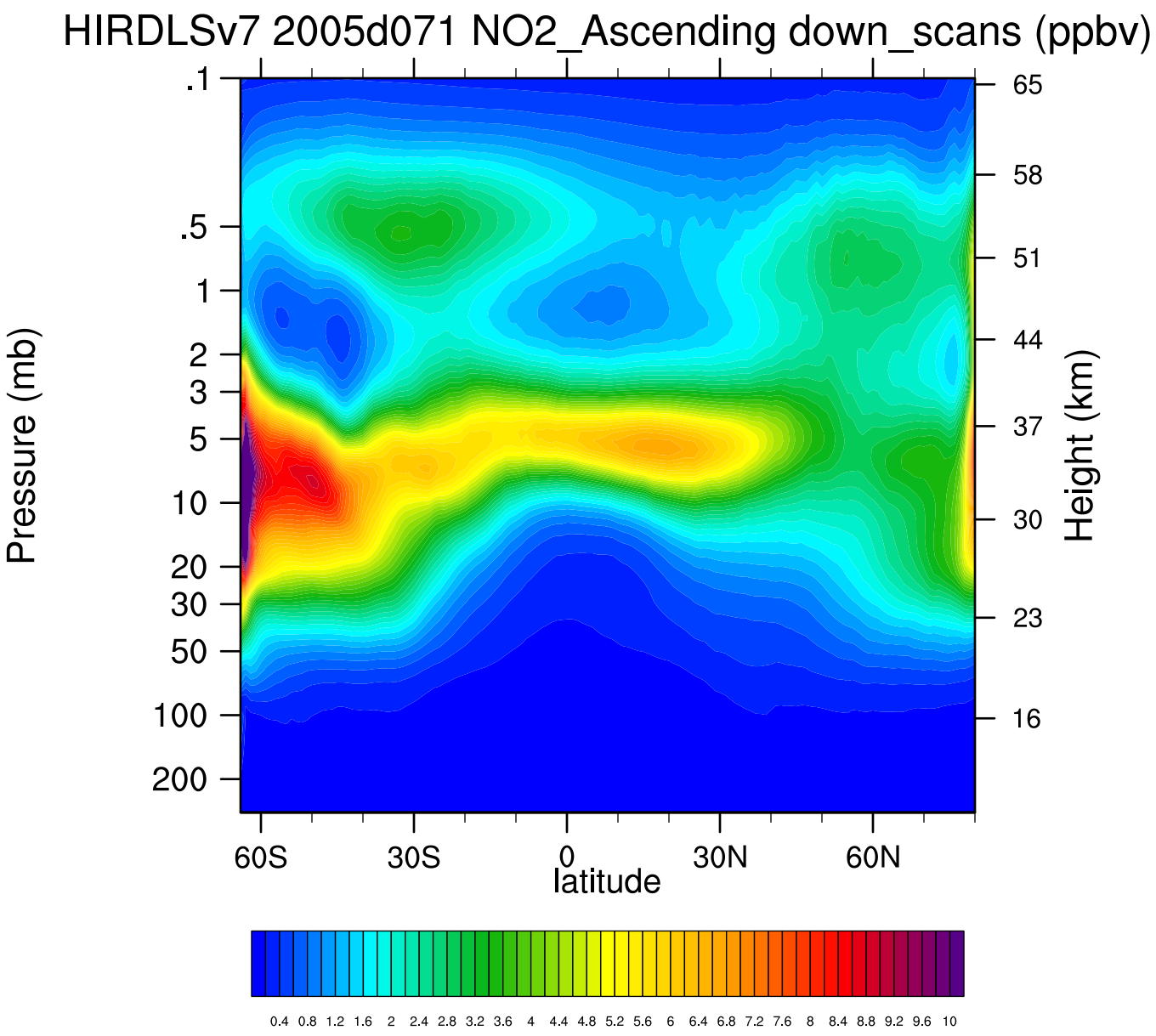
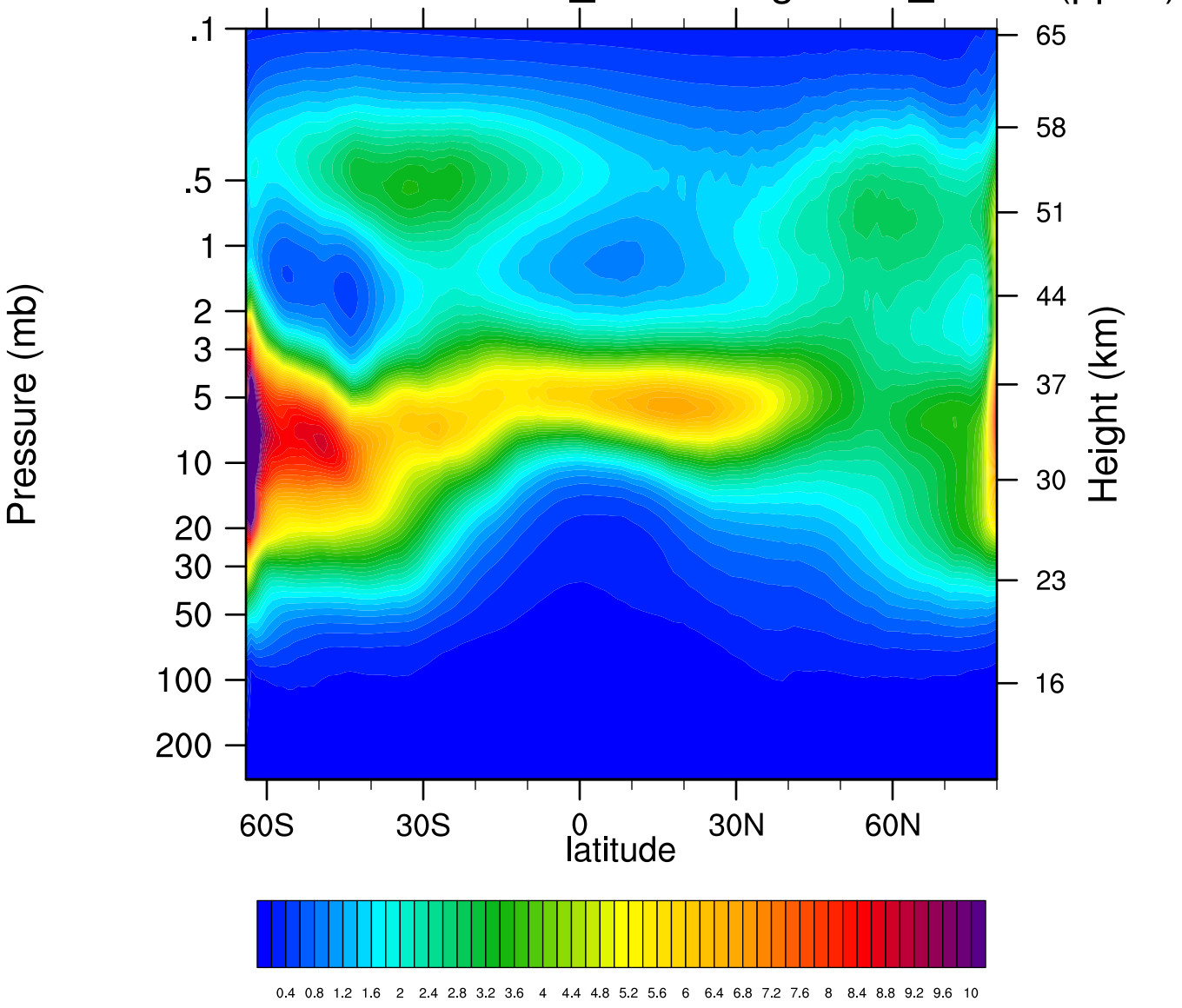
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2005d070 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2005d071 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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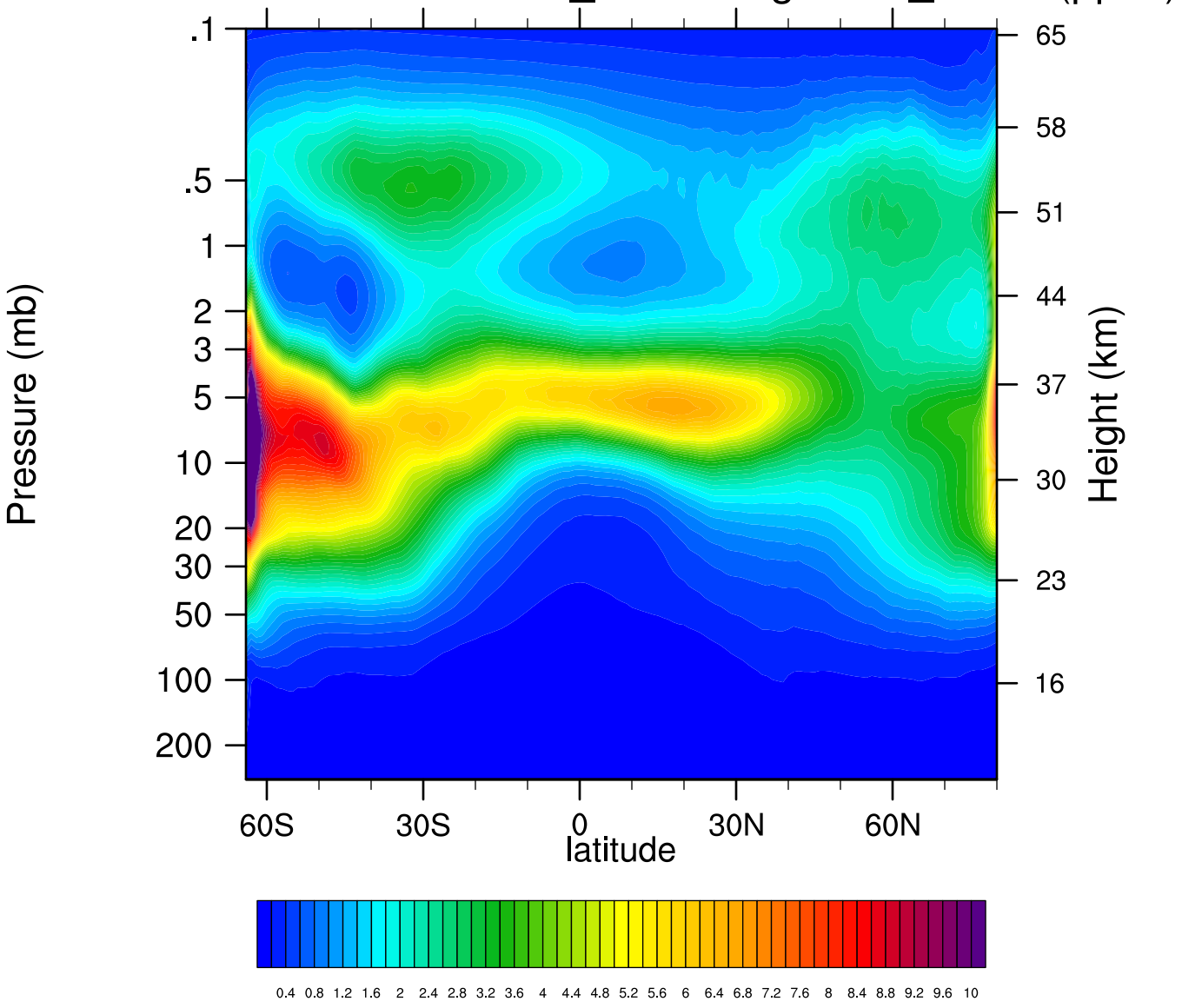
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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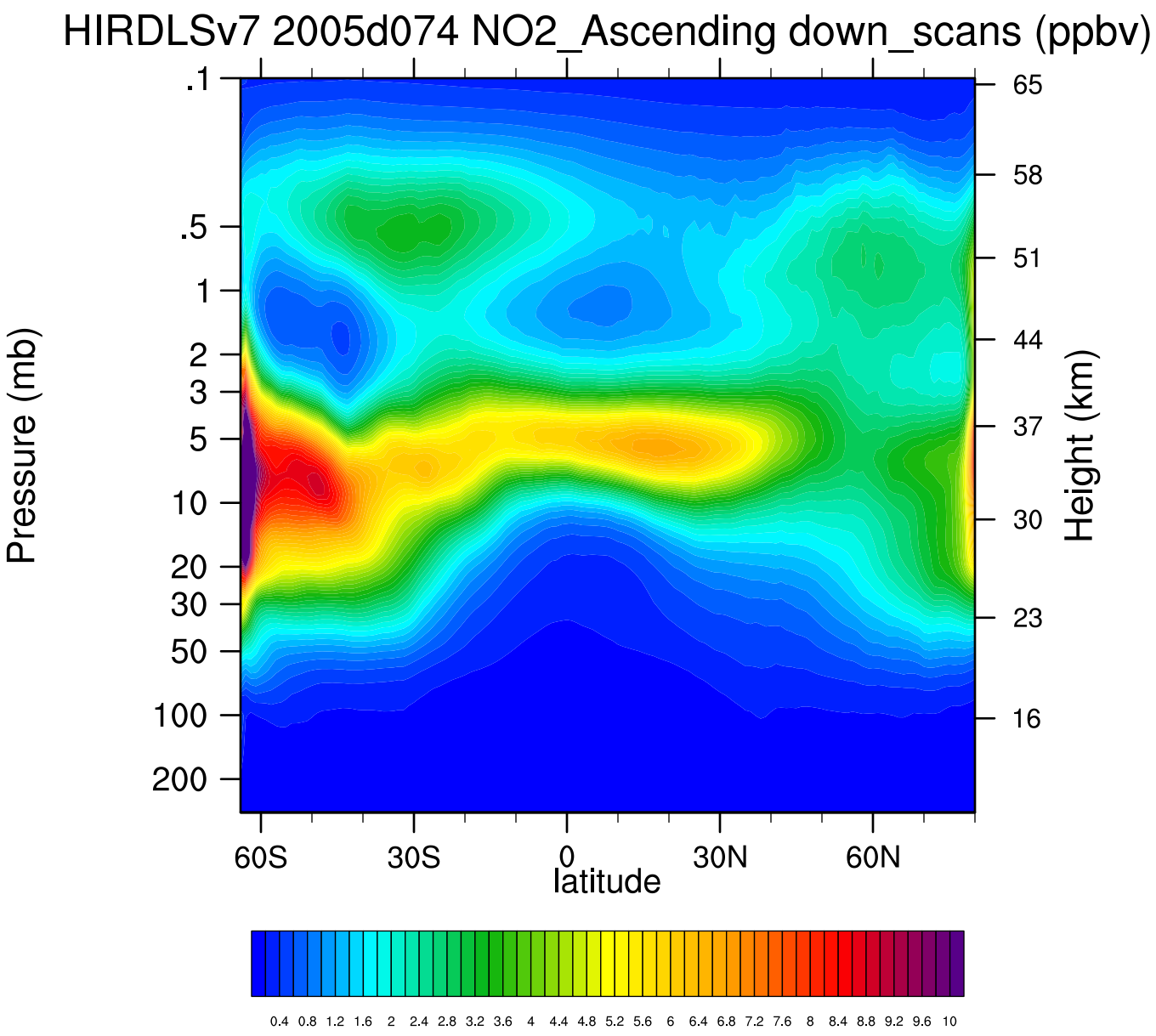
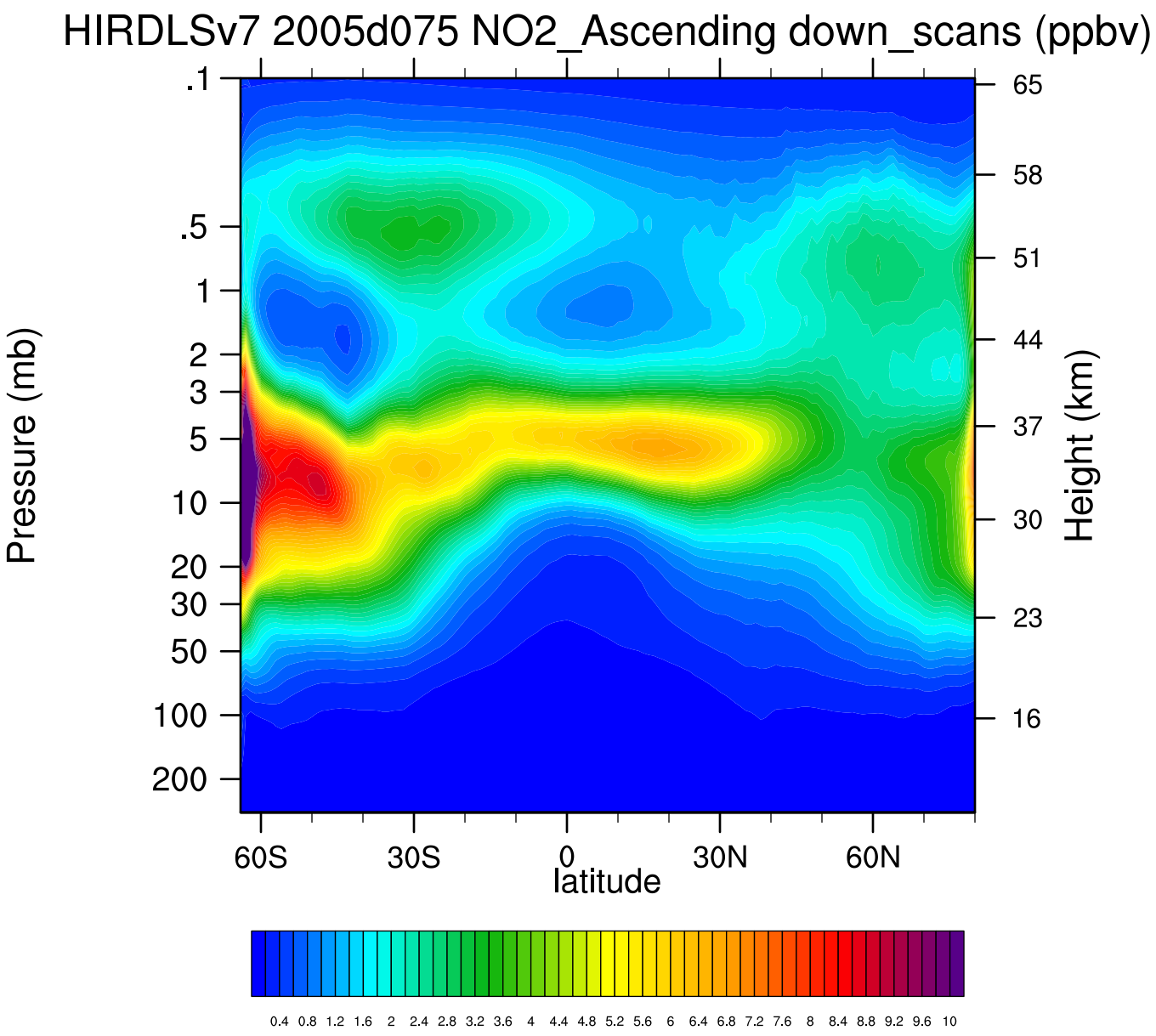
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2005d074 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2005d075 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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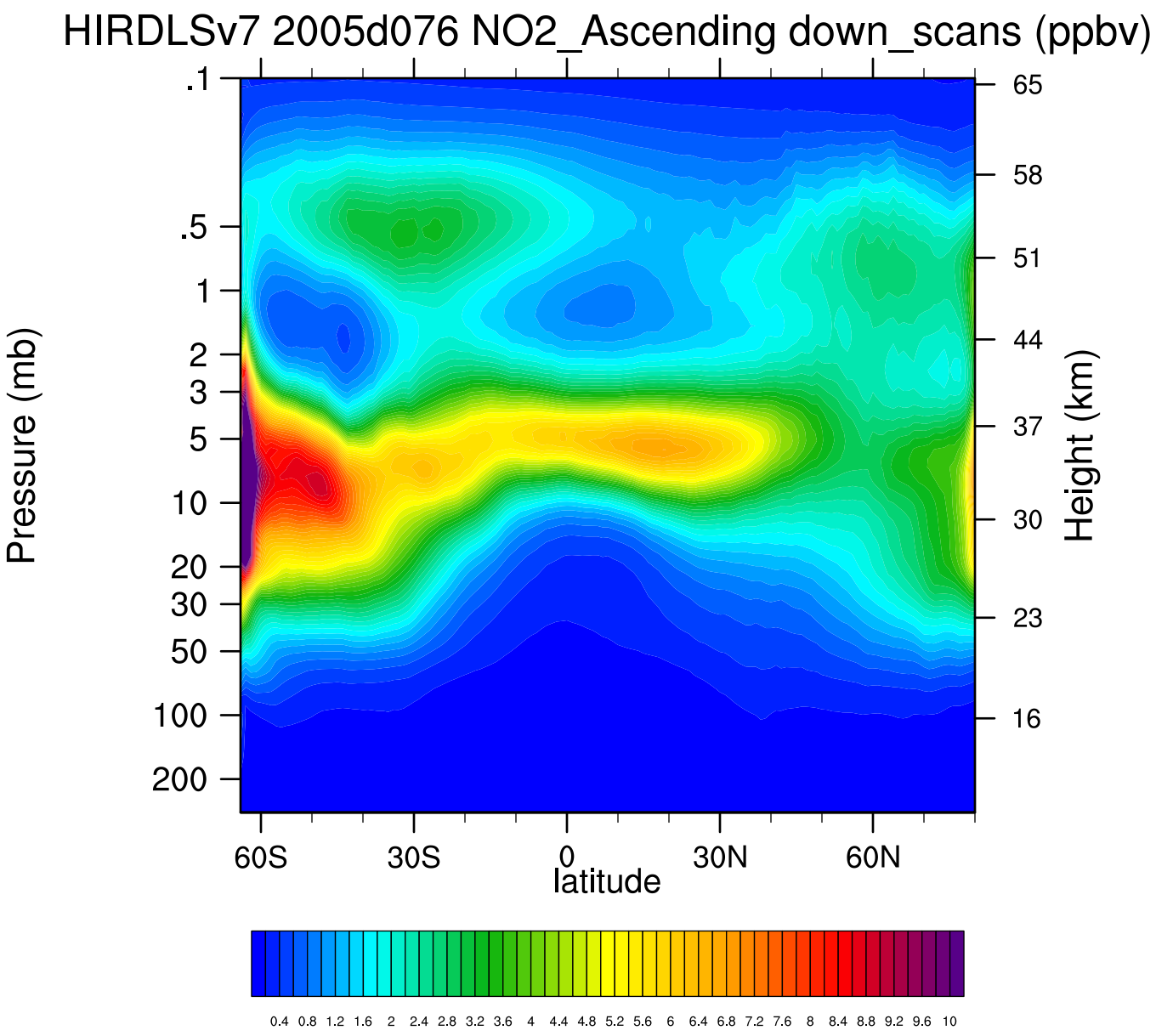
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2005d076 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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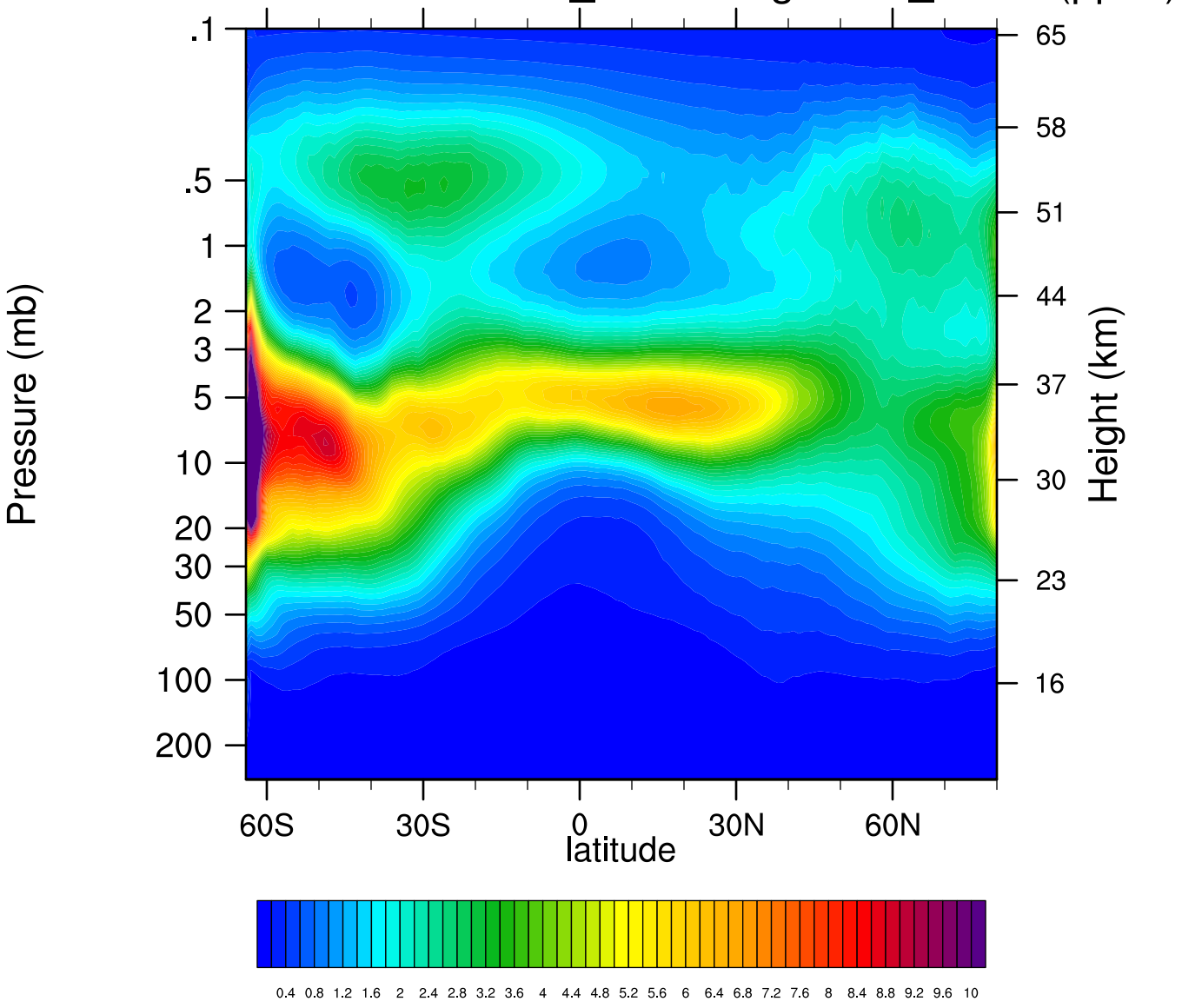
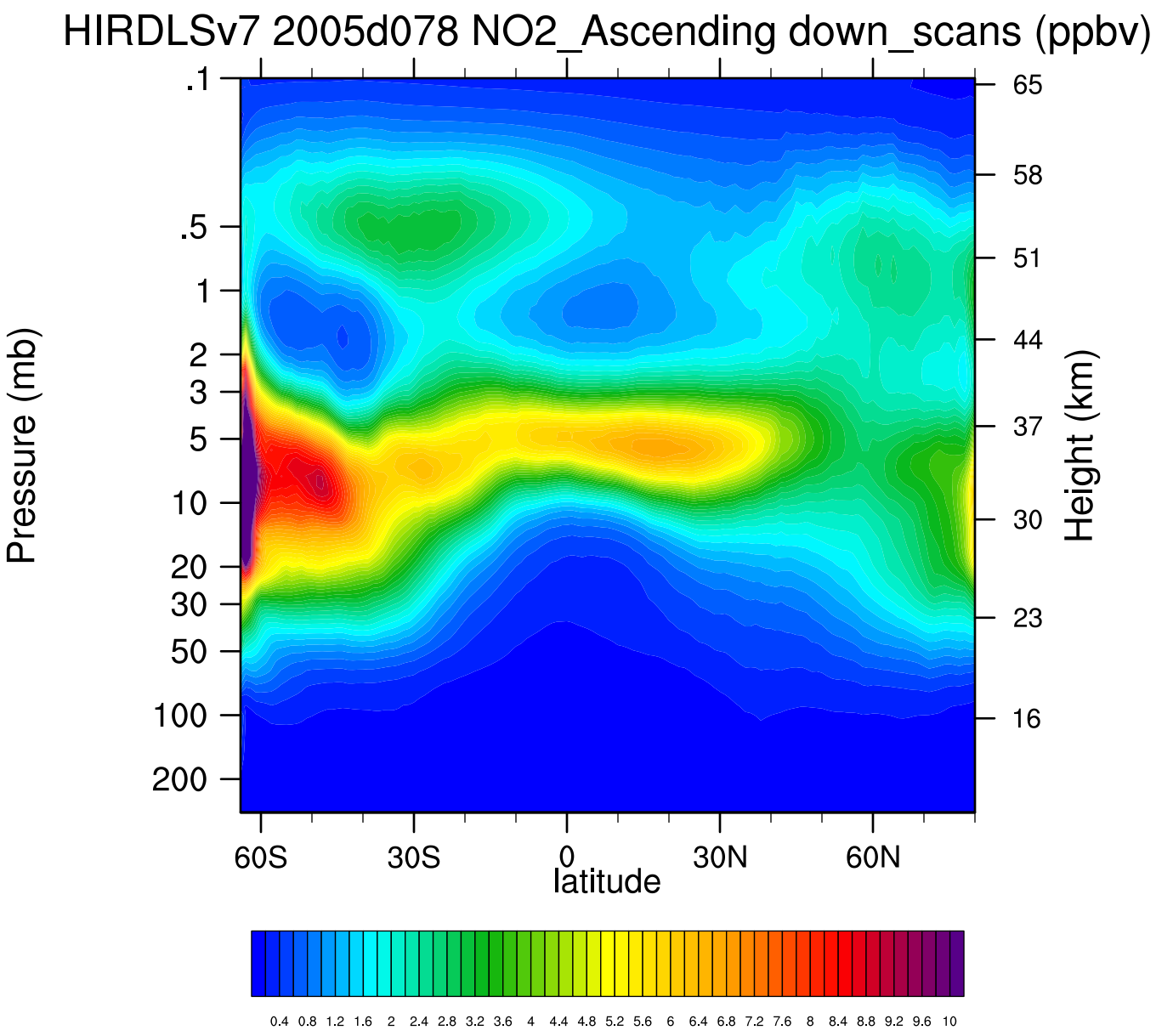
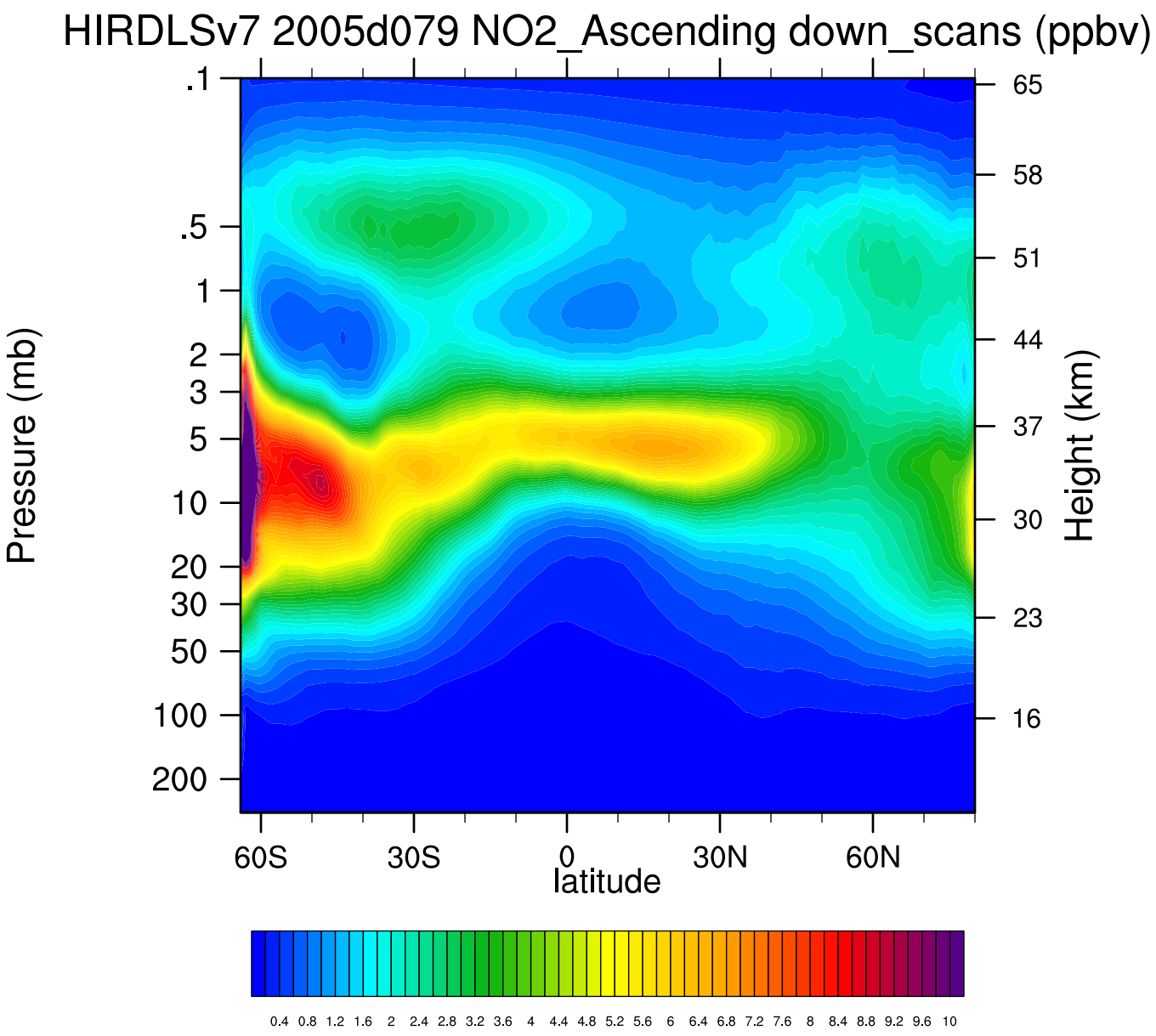
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2005d077 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2005d078 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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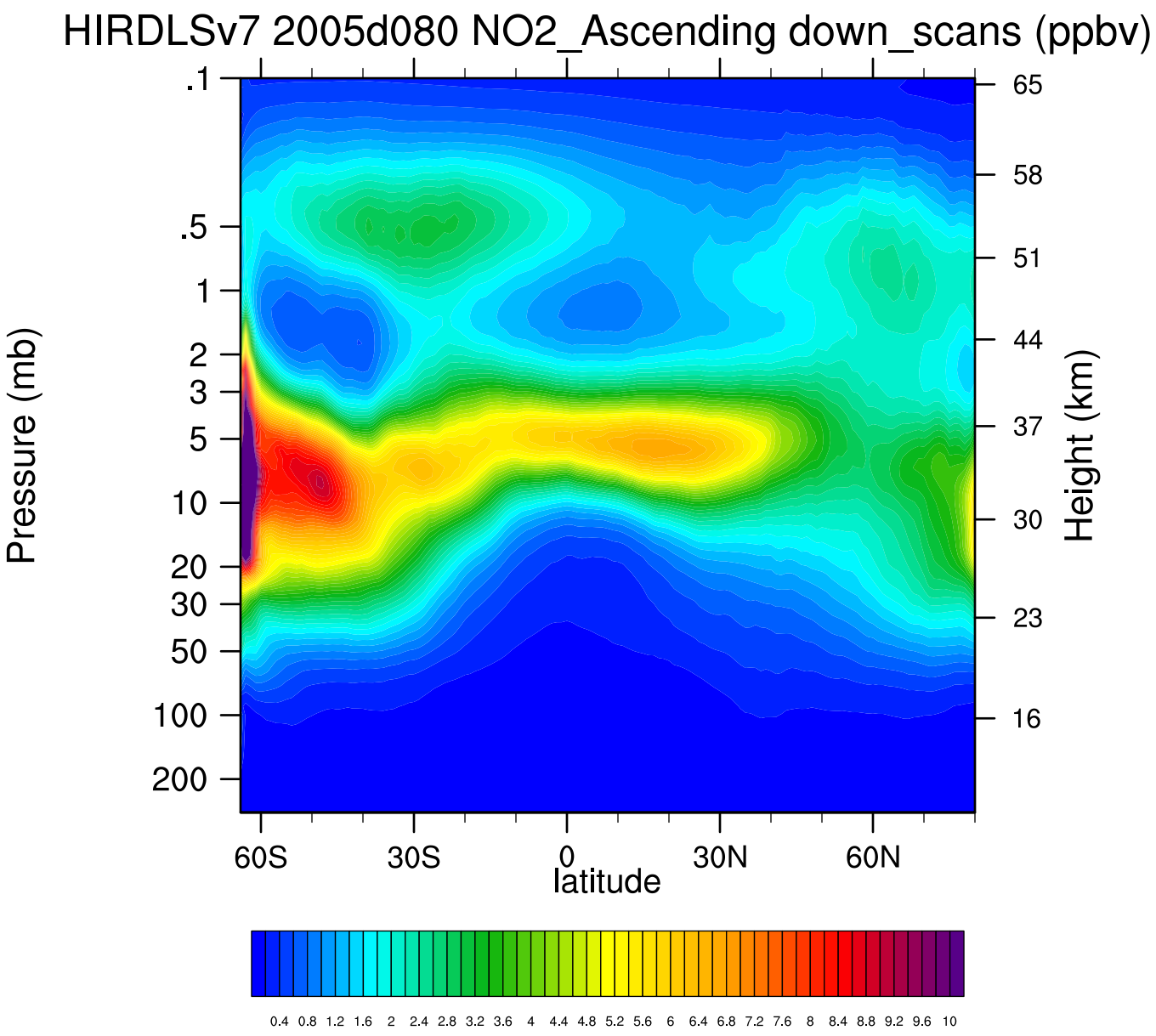
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2005d080 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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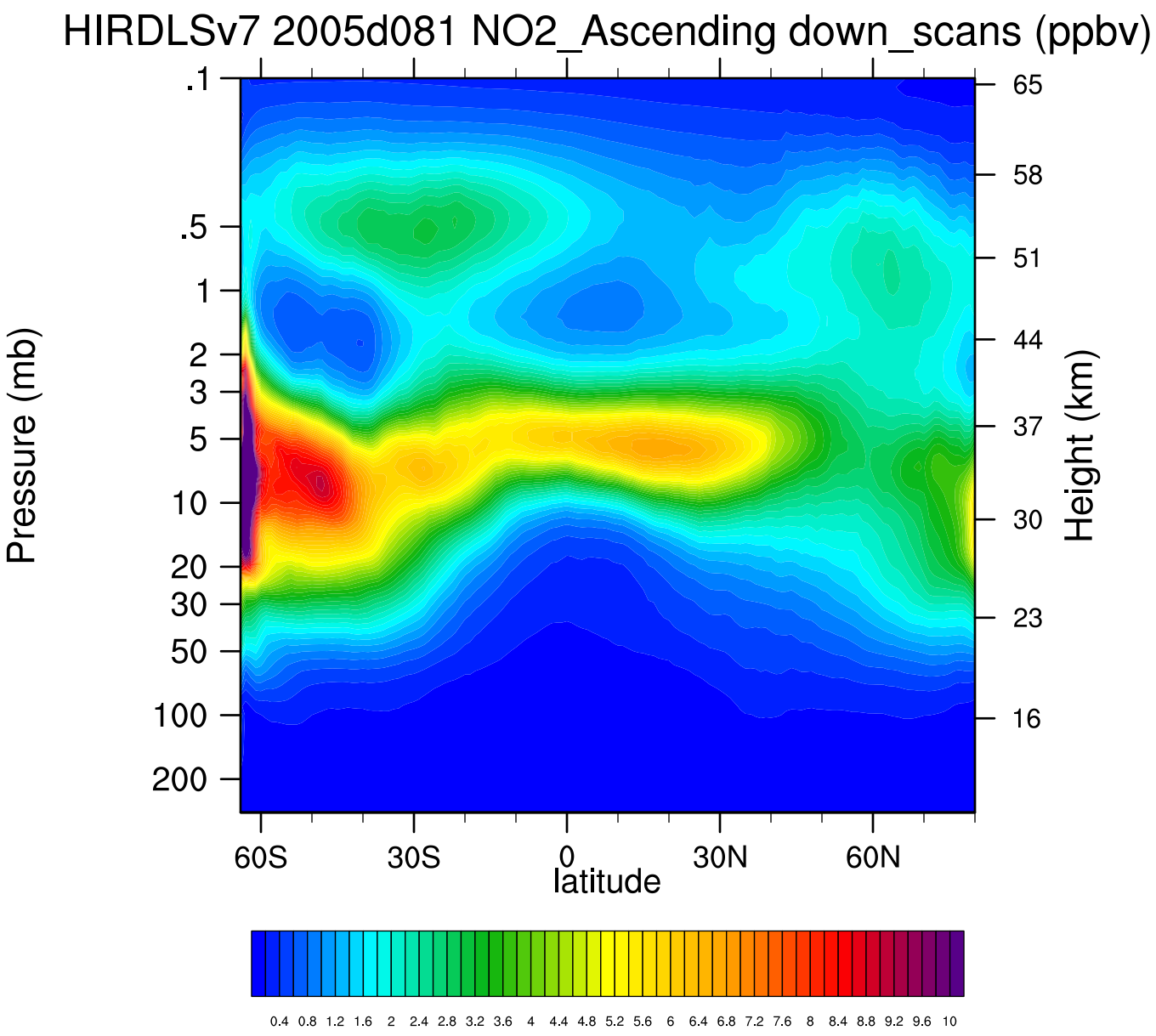
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2005d081 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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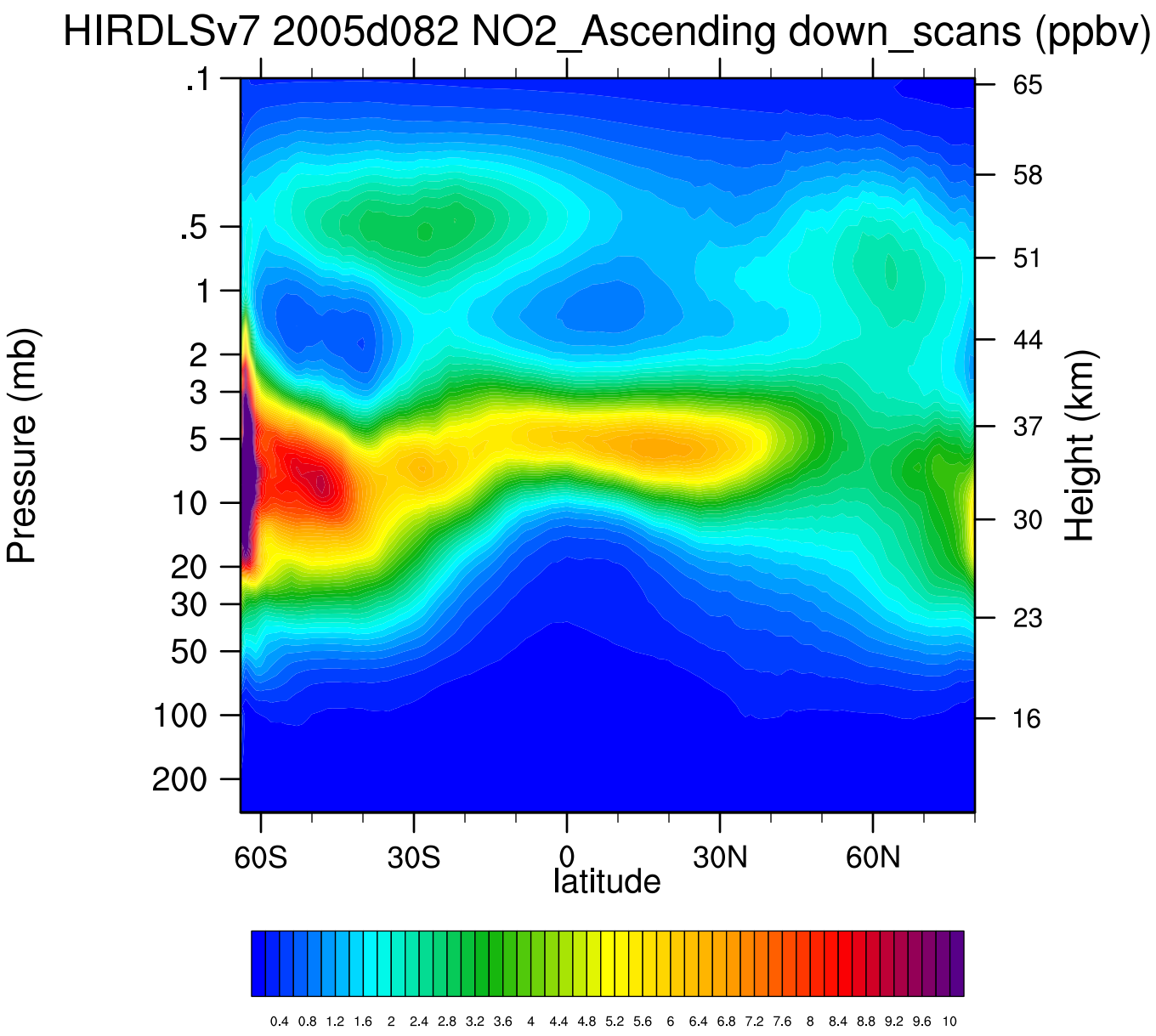
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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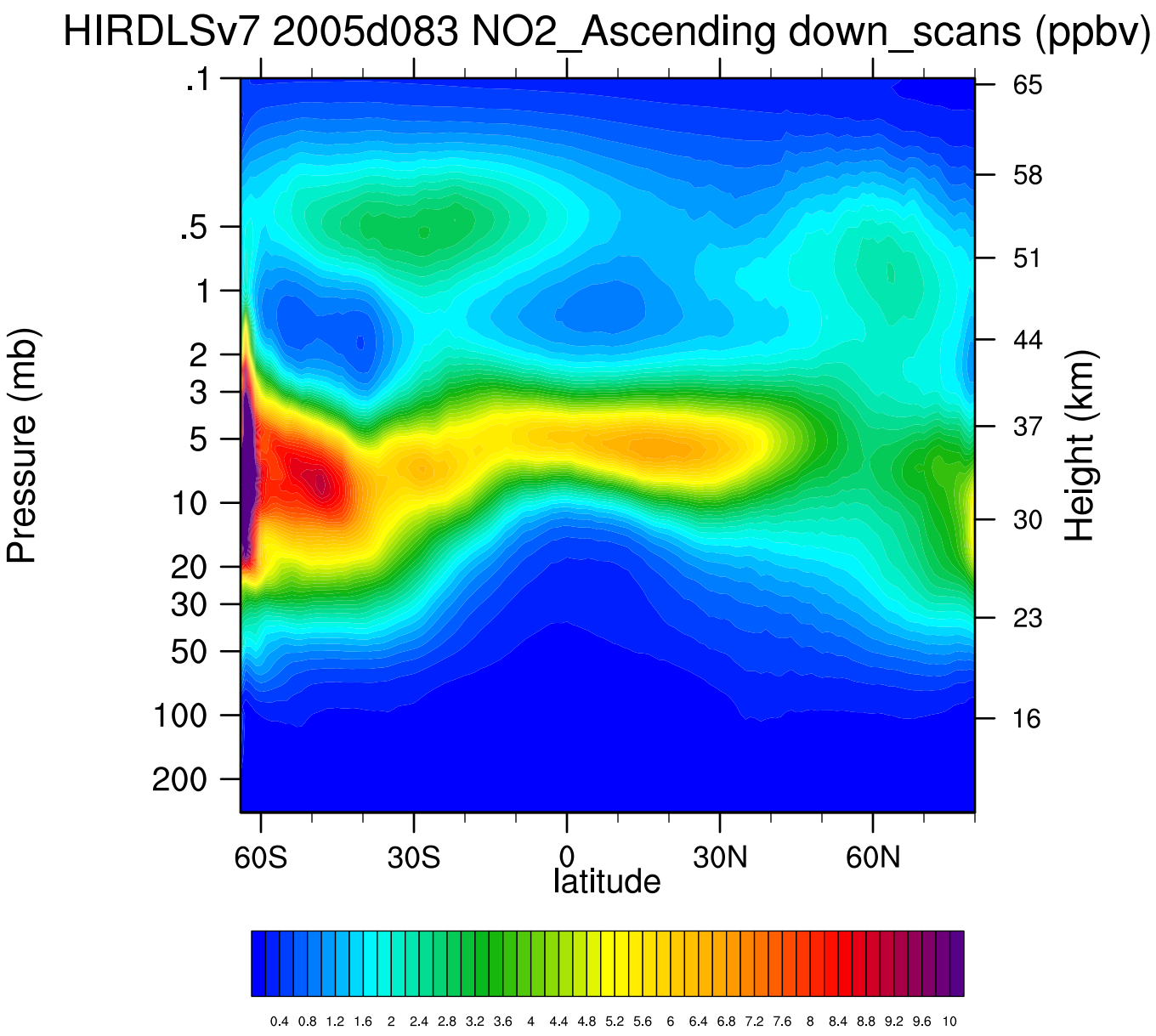
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2005d083 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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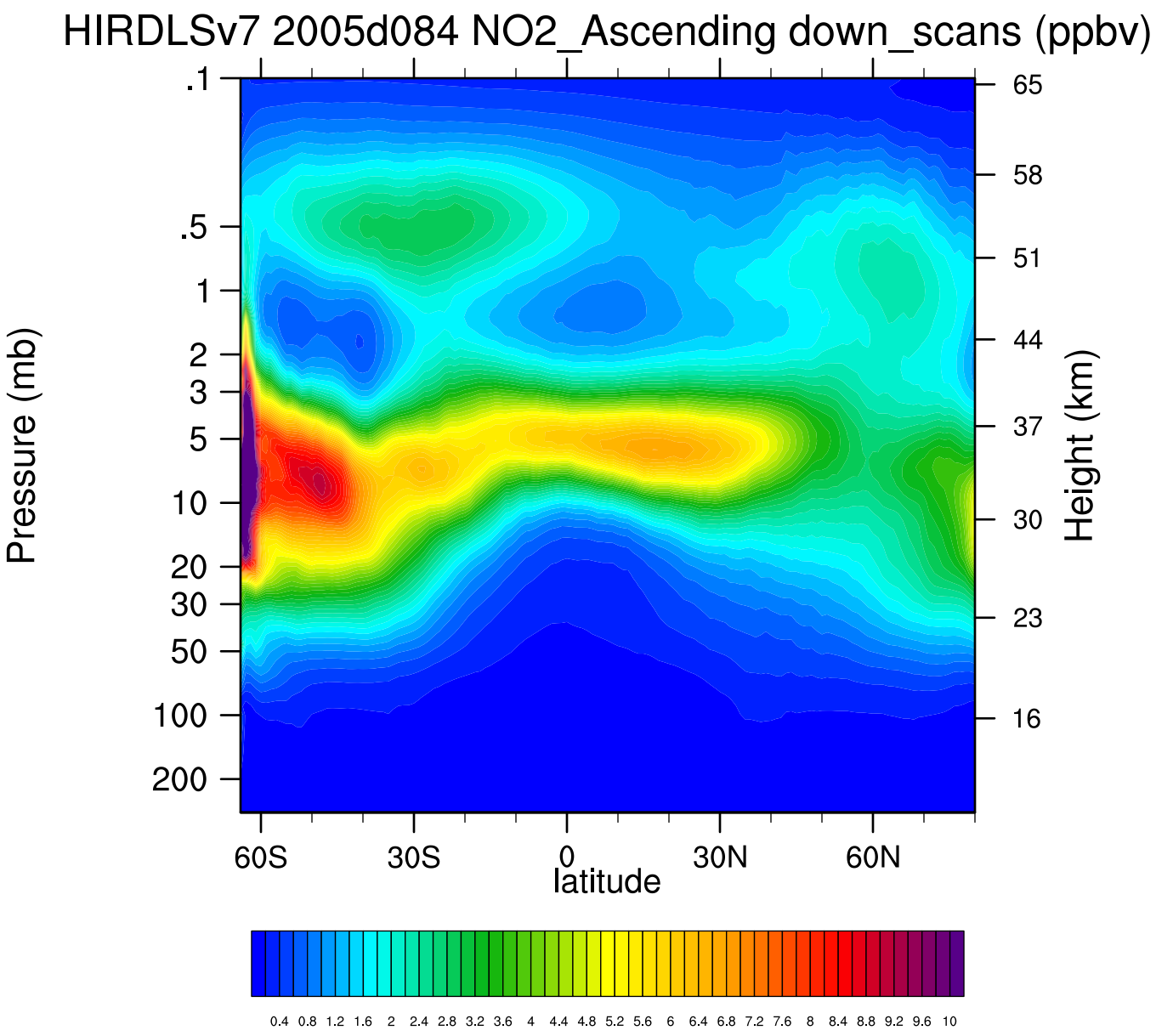
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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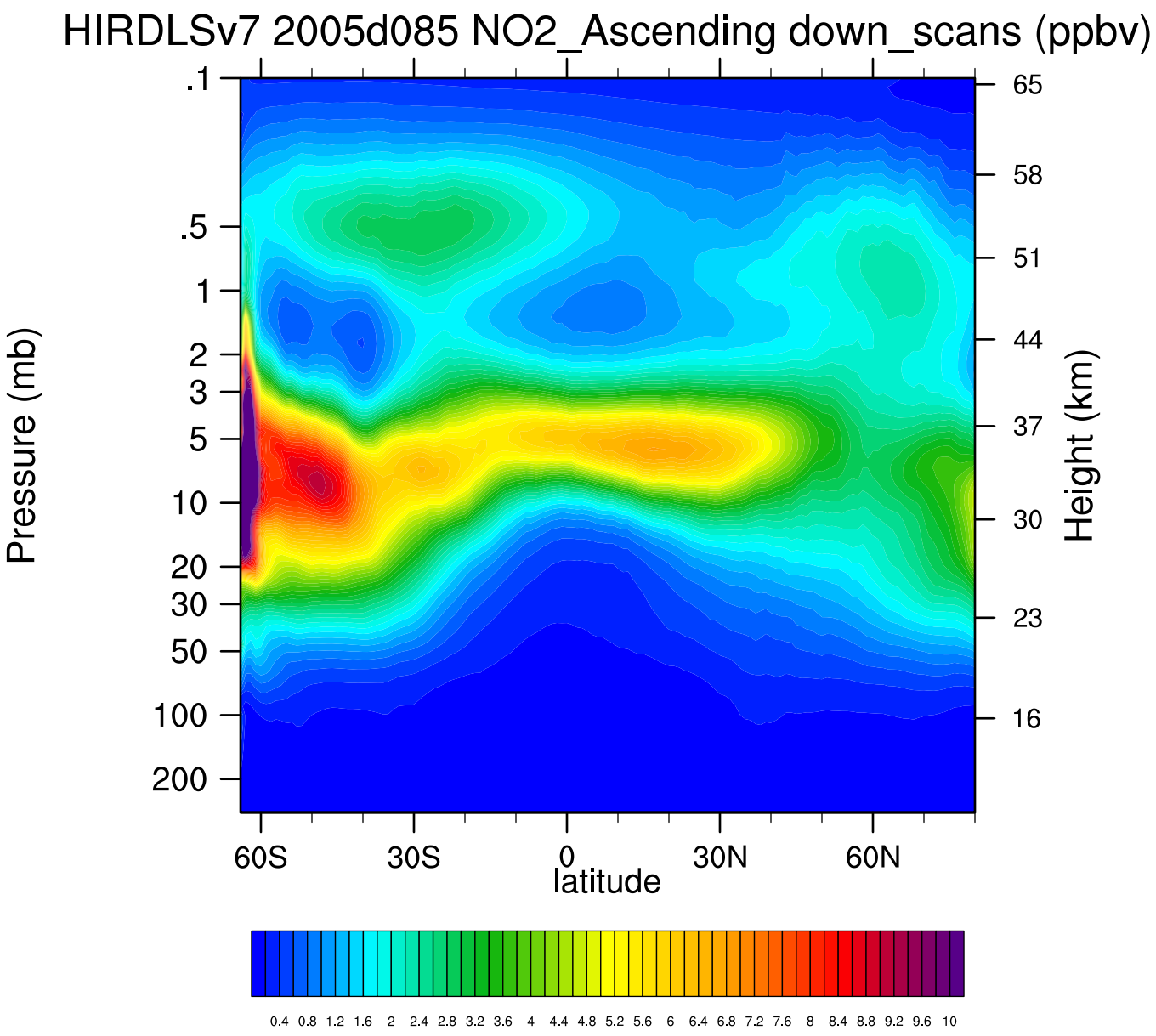
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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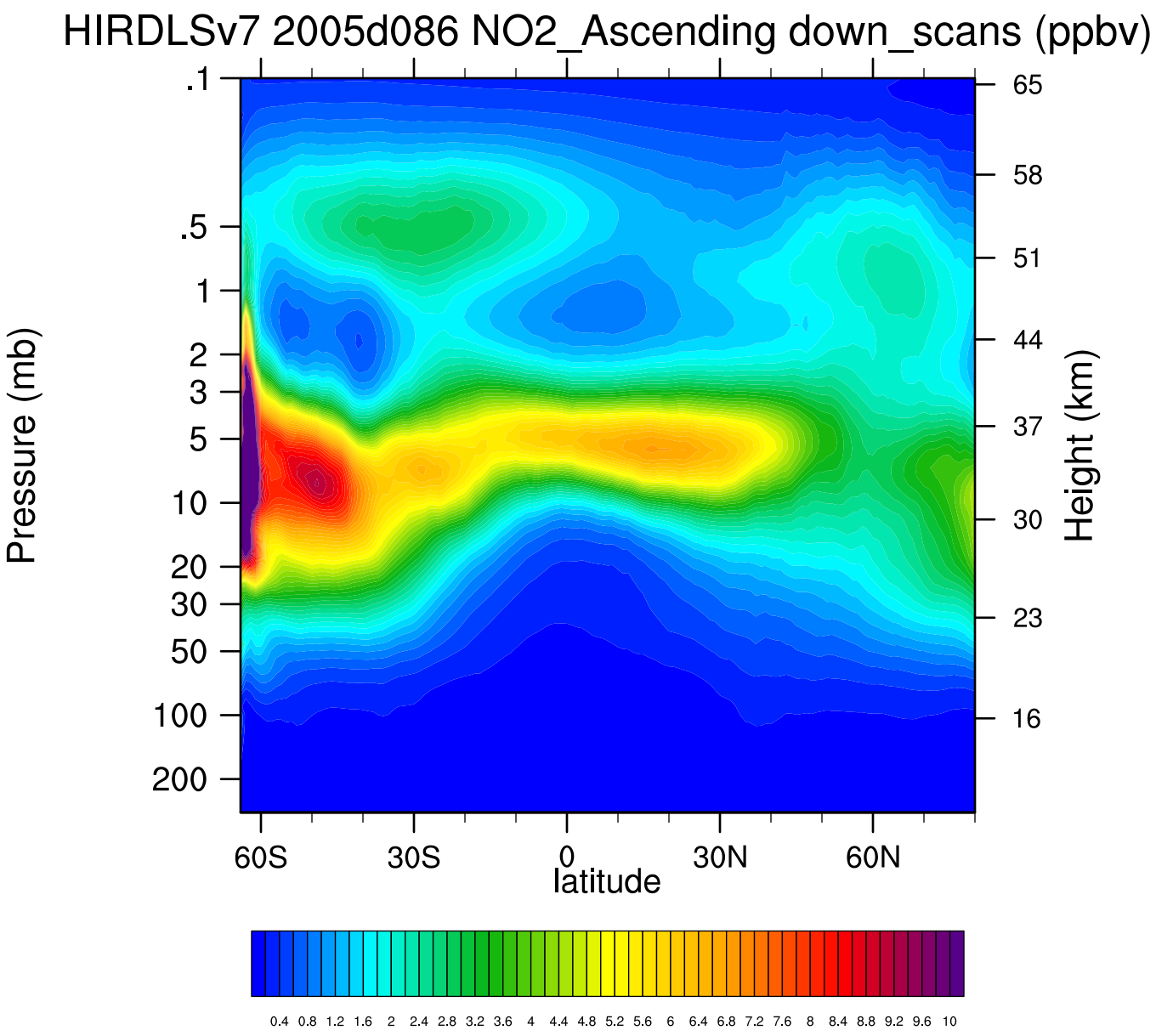
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2005d086 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
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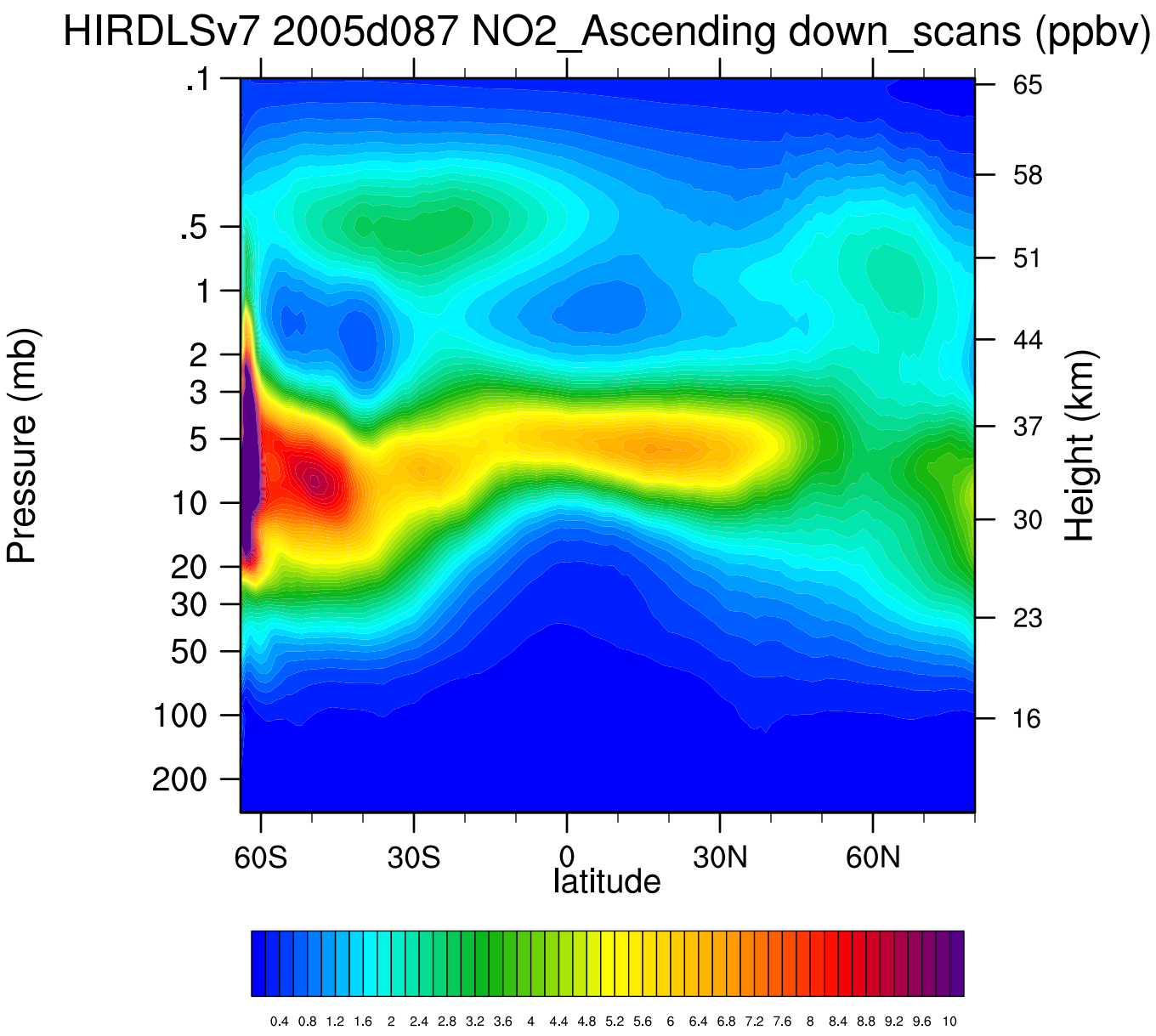
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2005d087 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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.5
1
2
3
5
10
20
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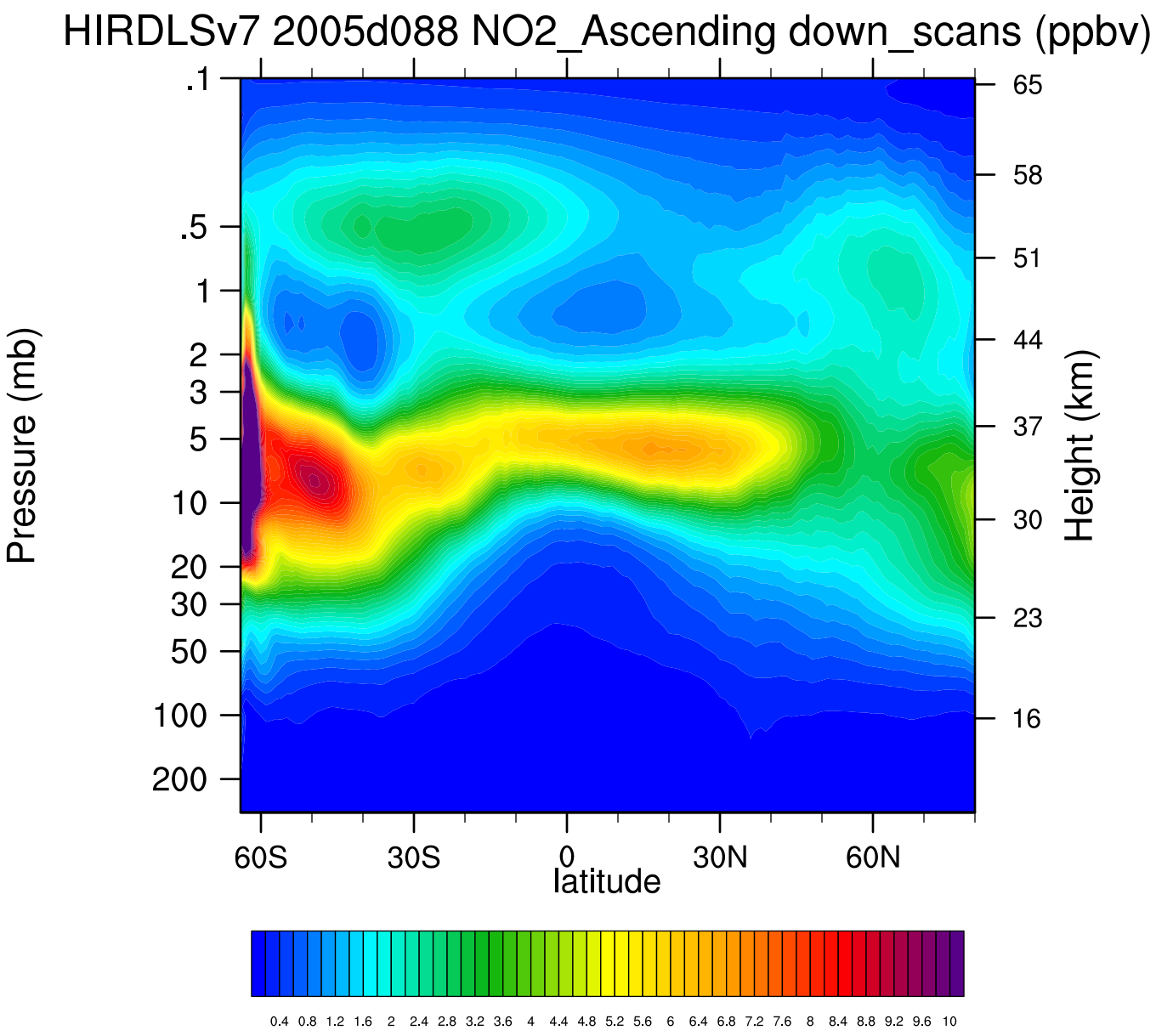
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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2
3
5
10
20
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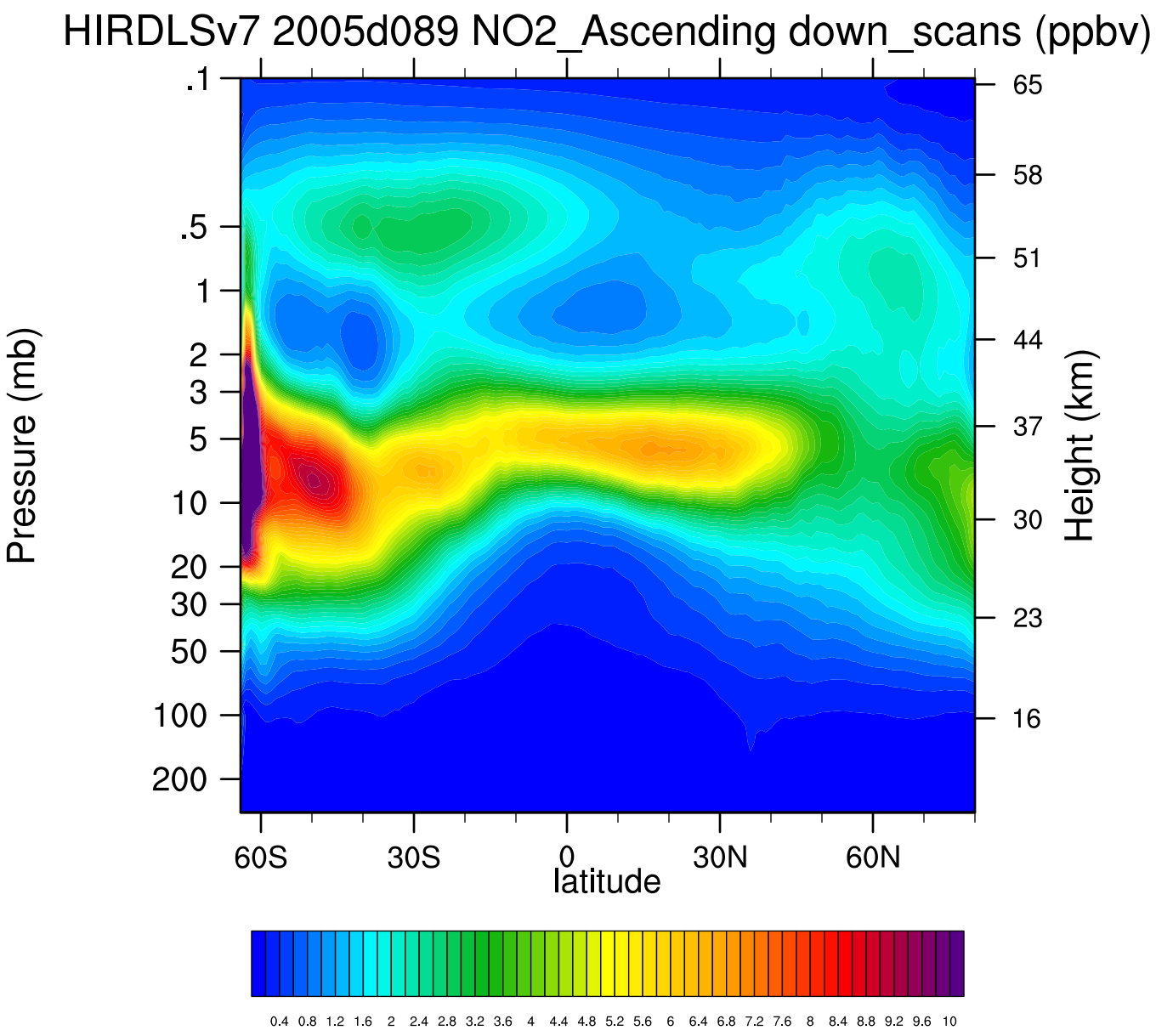
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2005d089 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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.5
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2
3
5
10
20
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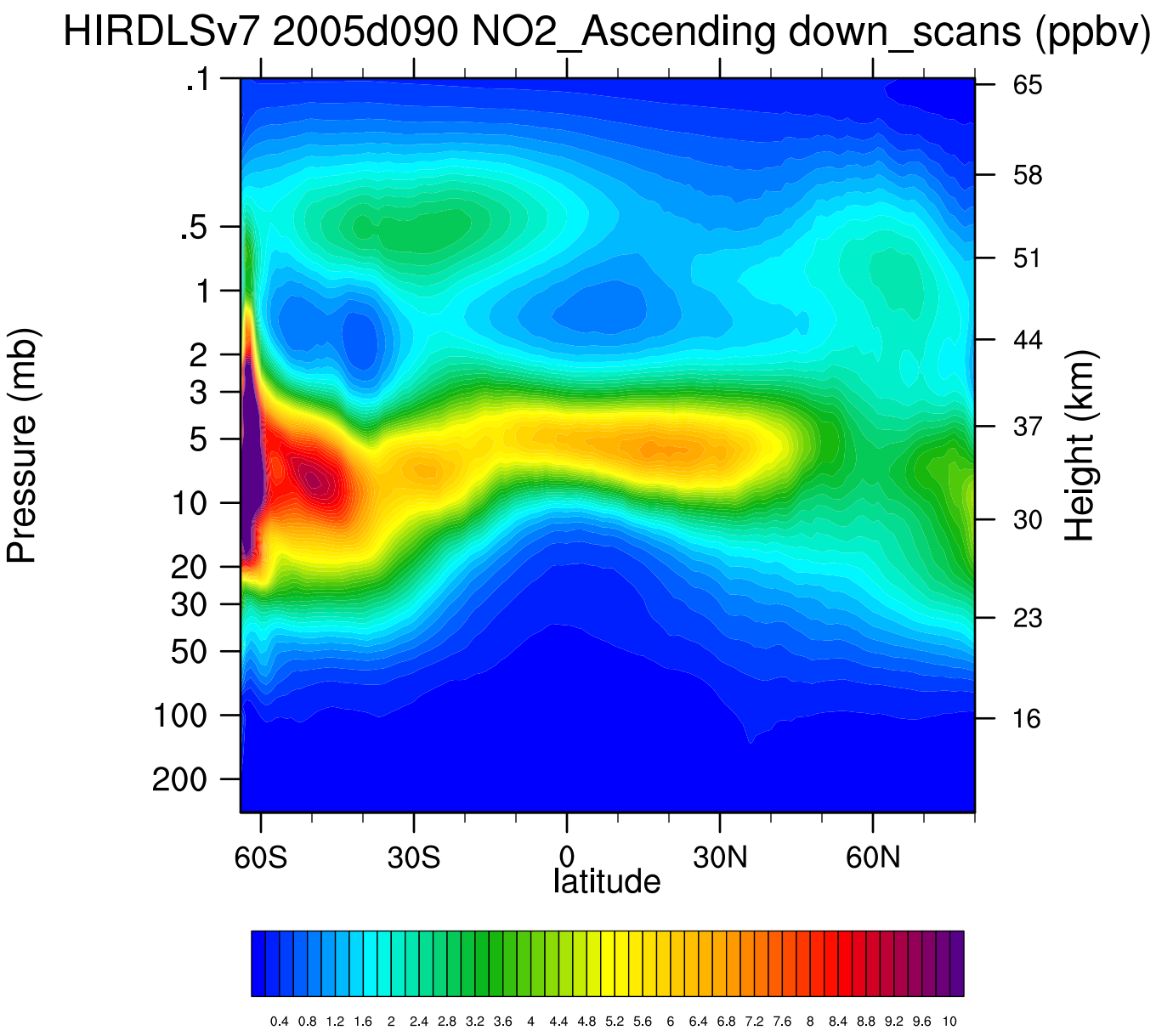
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2005d090 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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.5
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2
3
5
10
20
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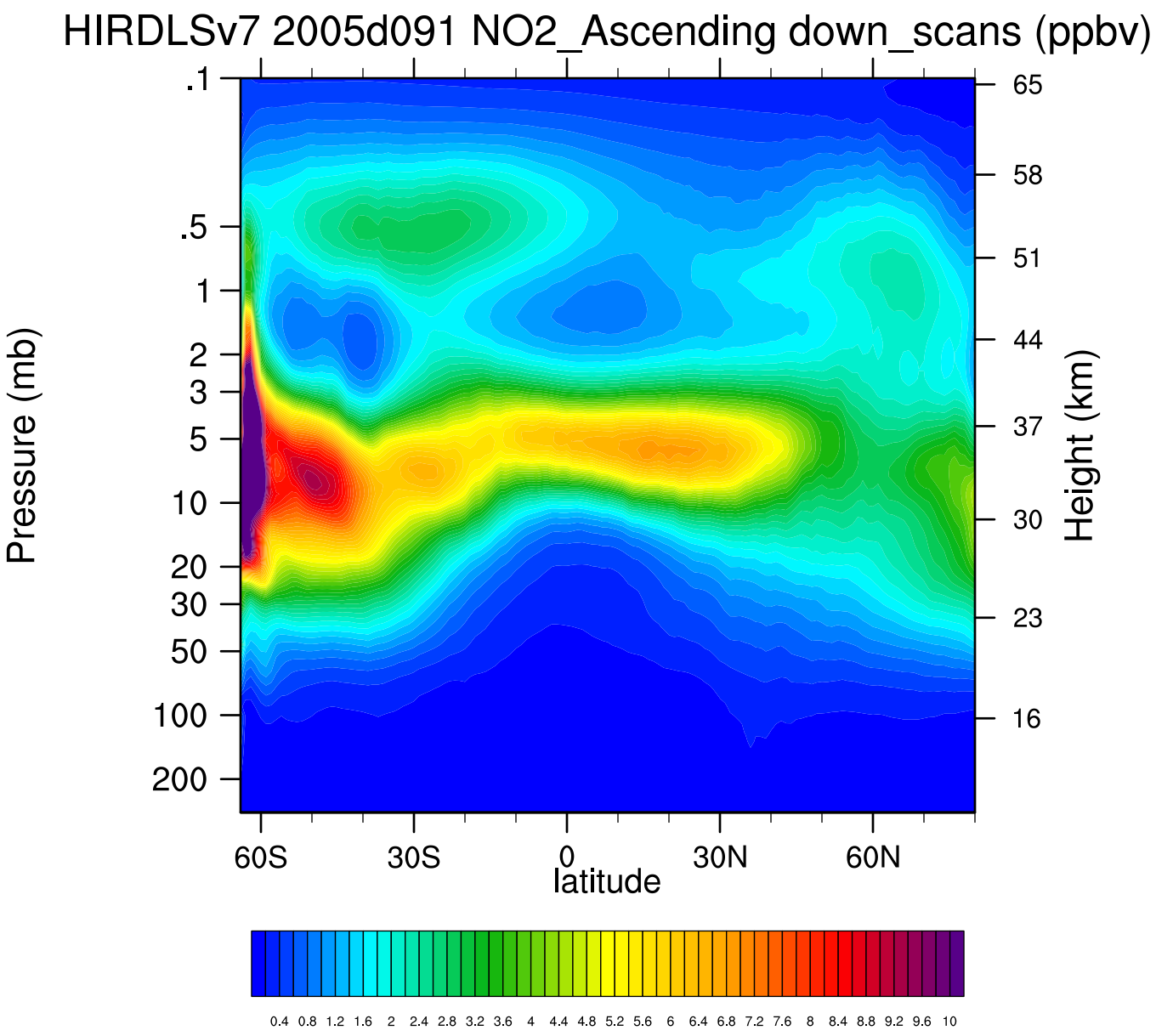
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2005d091 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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.5
1
2
3
5
10
20
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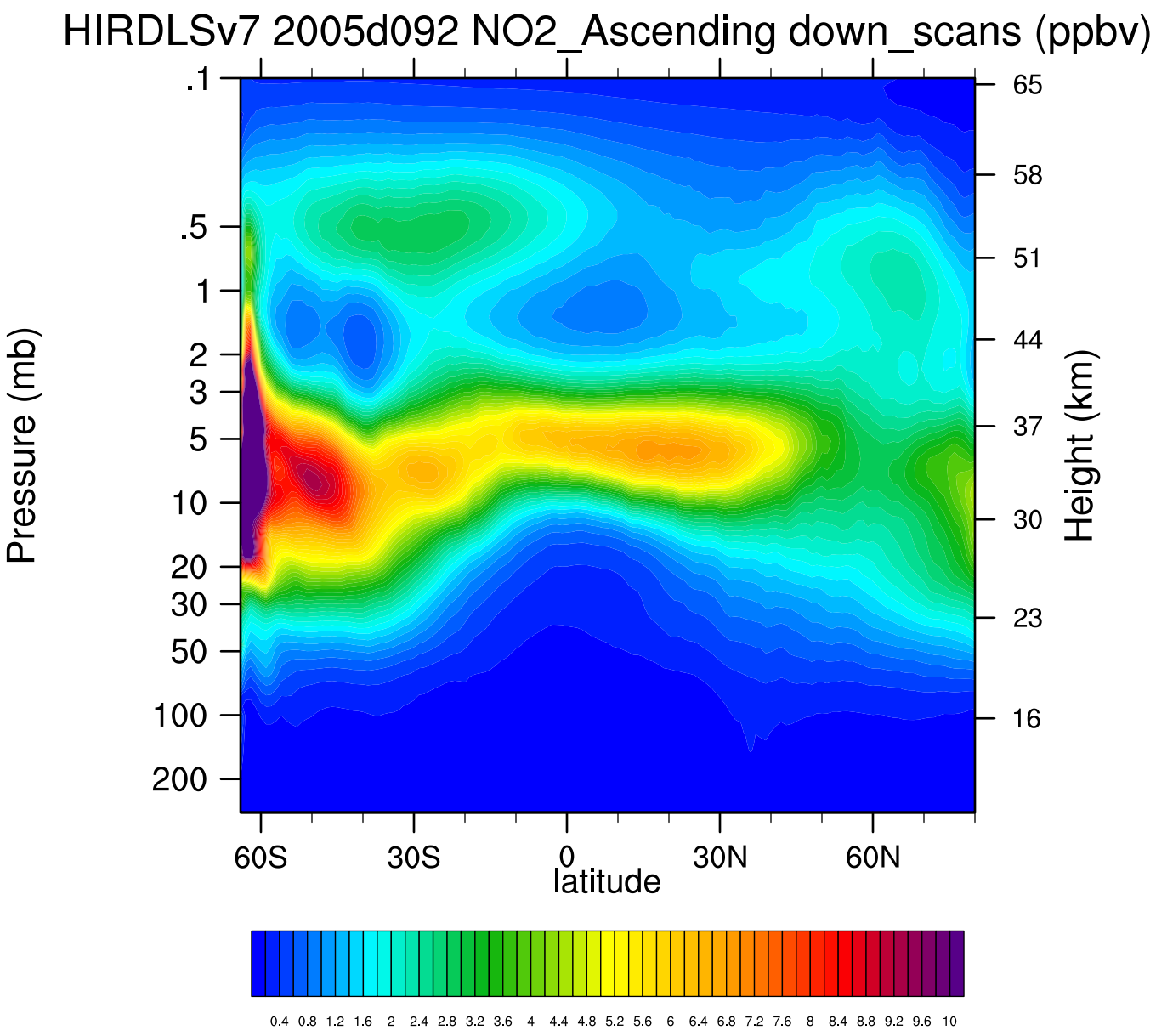
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2005d092 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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.5
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2
3
5
10
20
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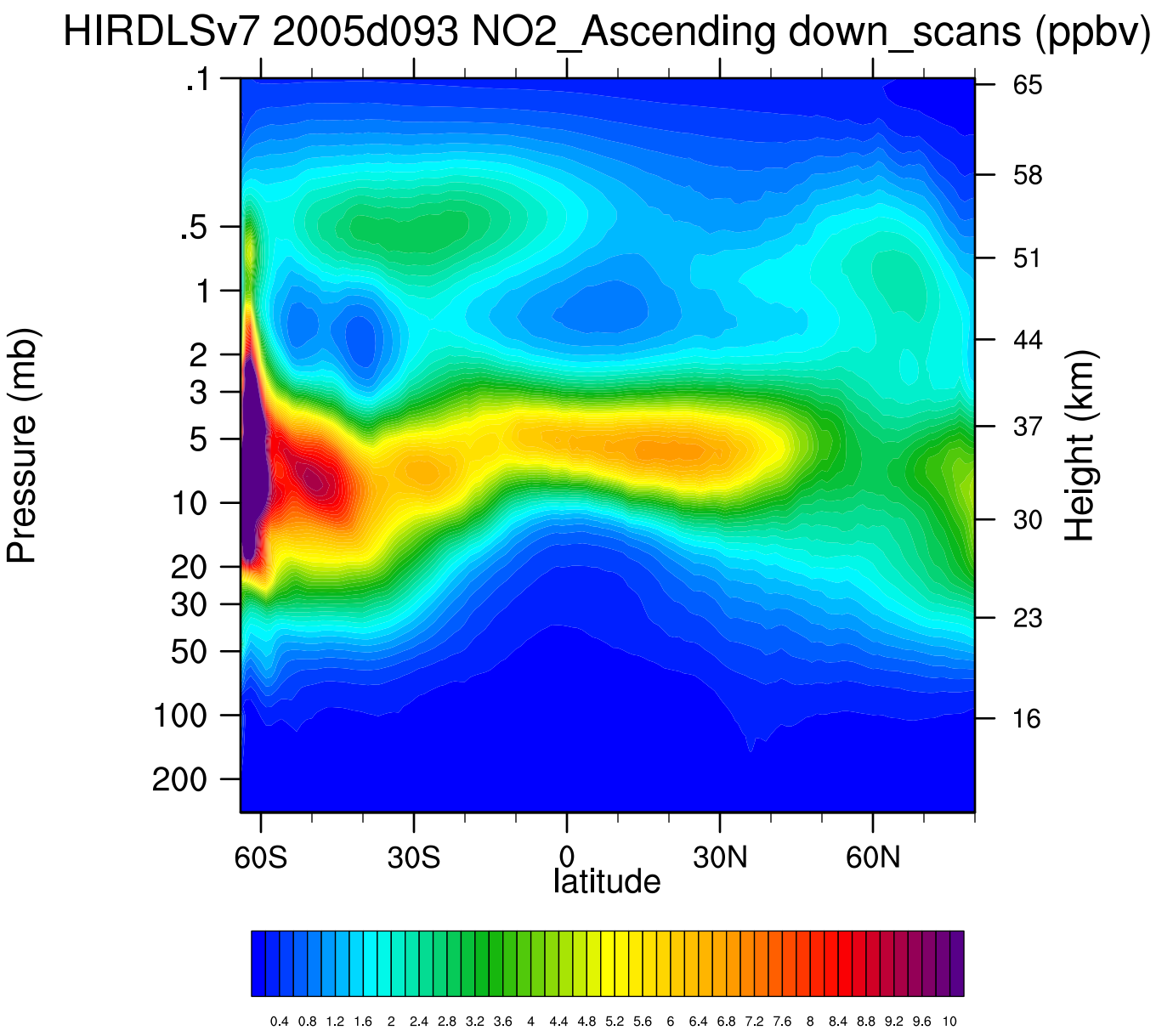
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2005d093 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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.5
1
2
3
5
10
20
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200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
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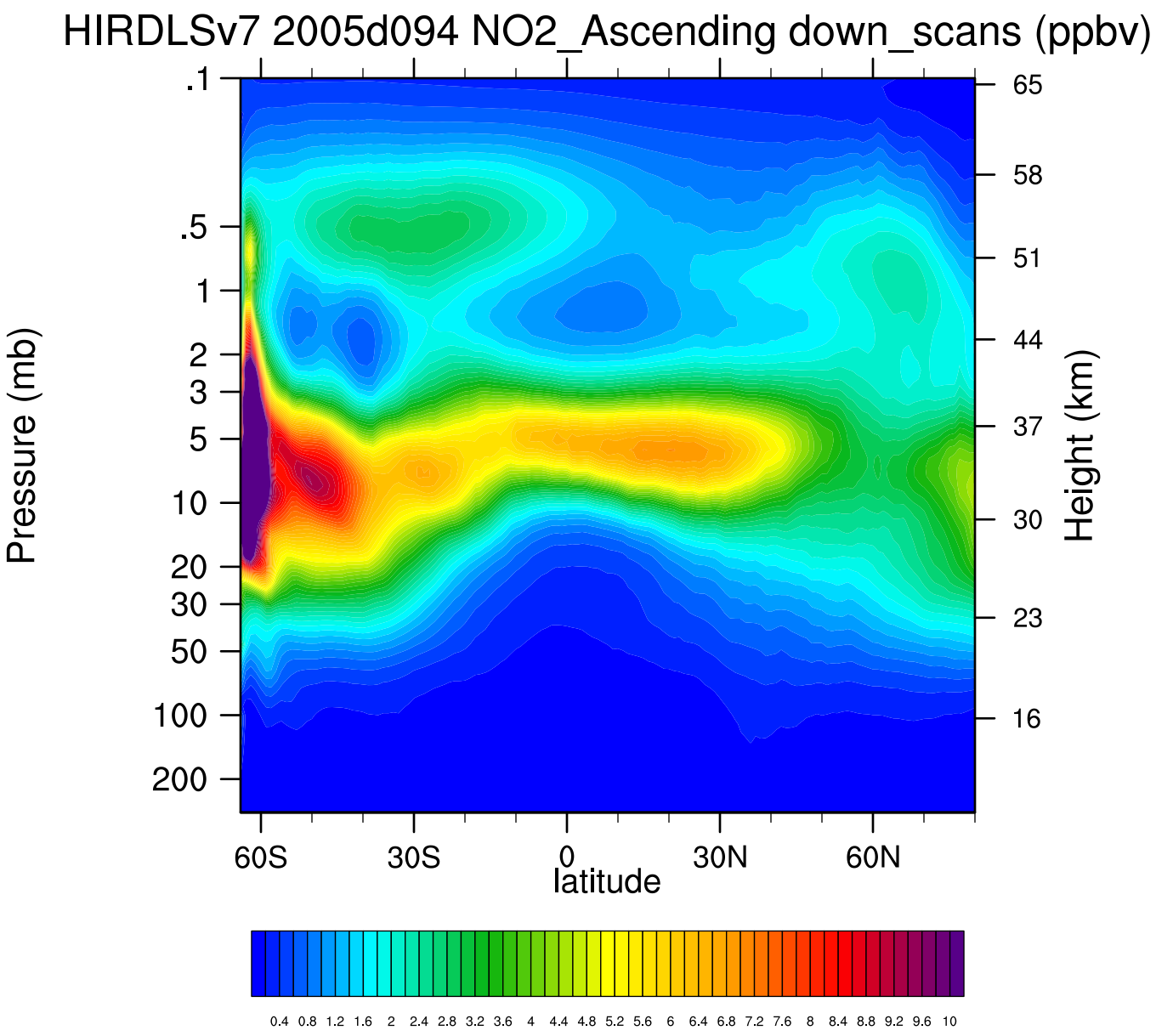
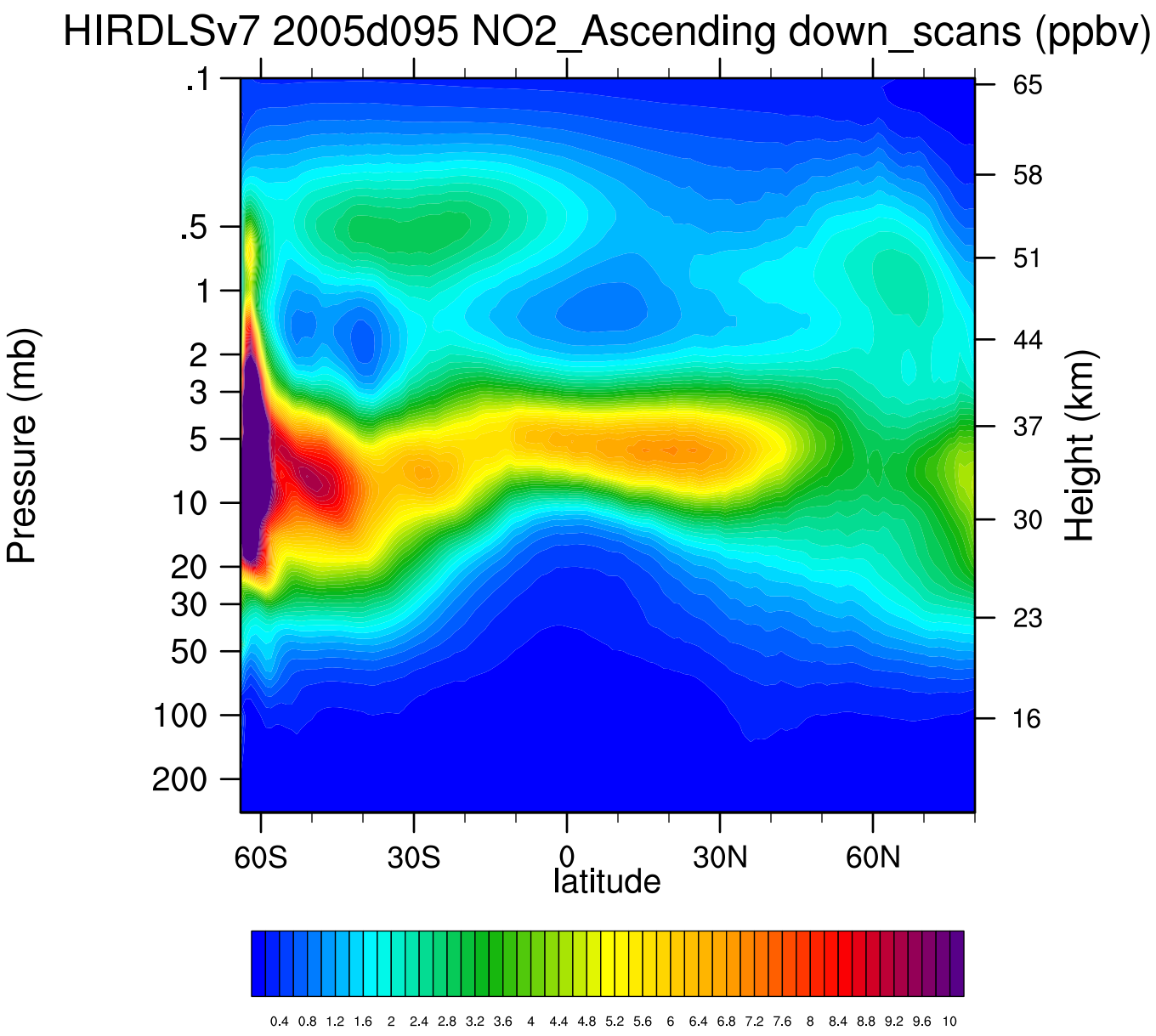
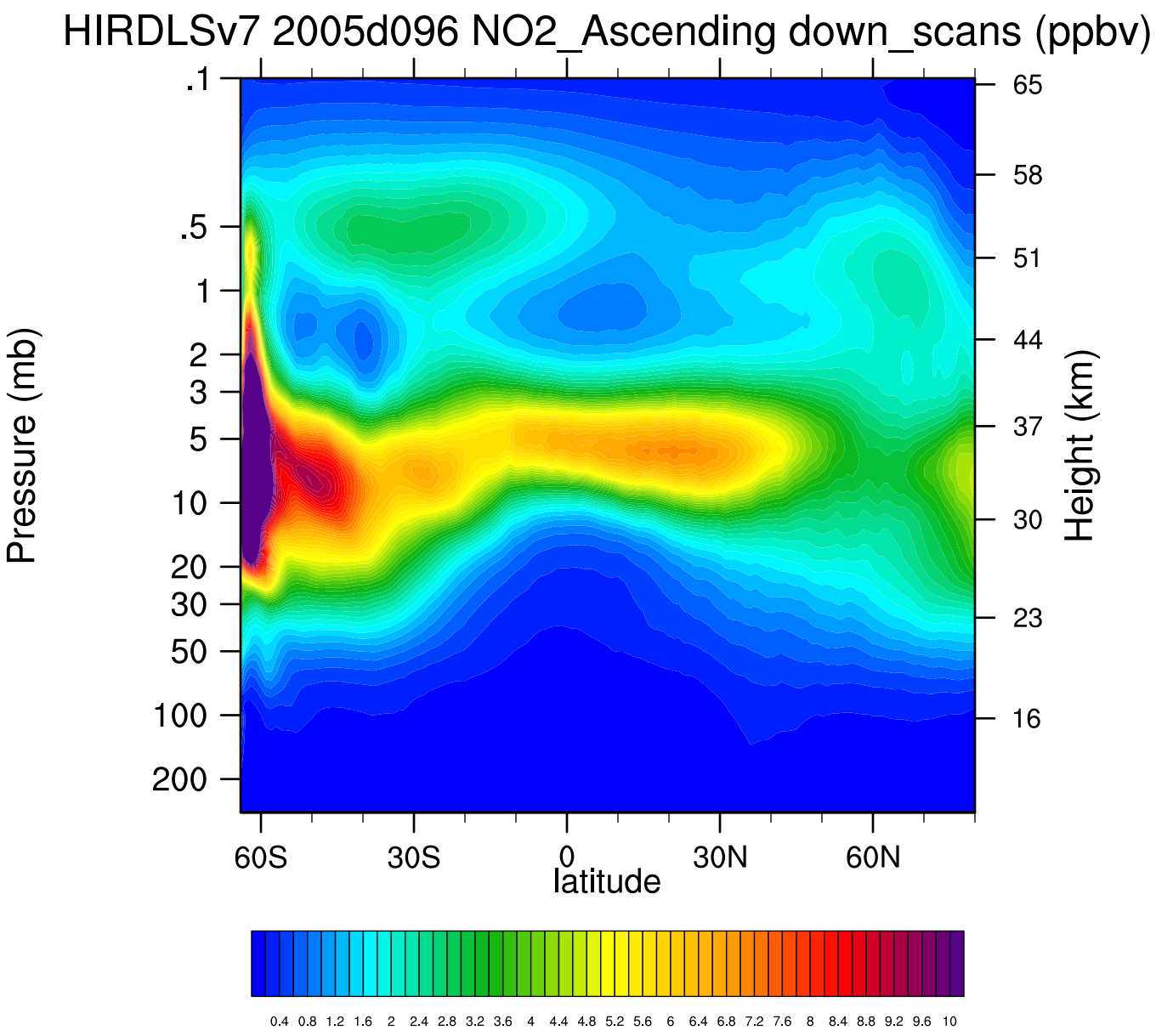
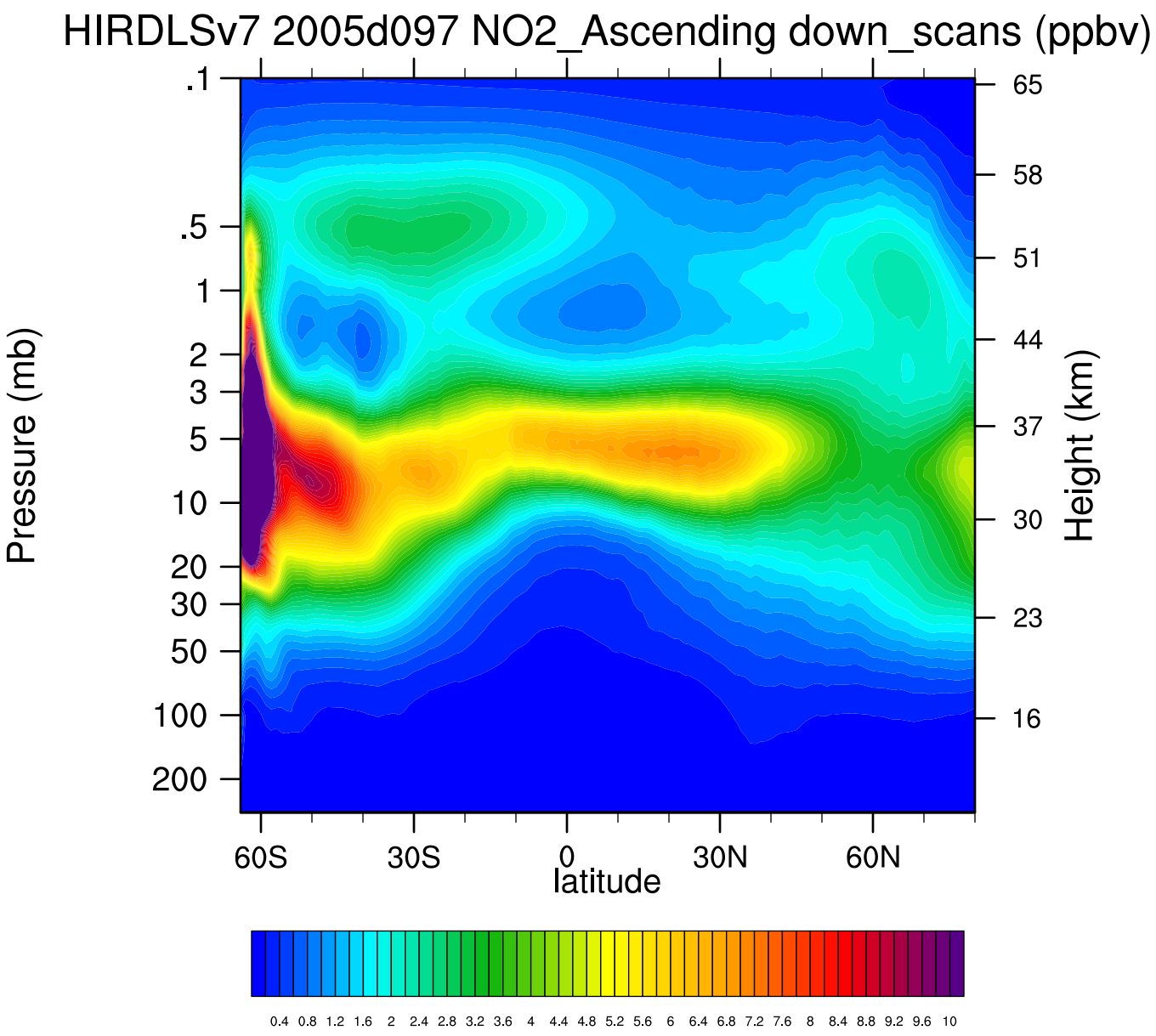
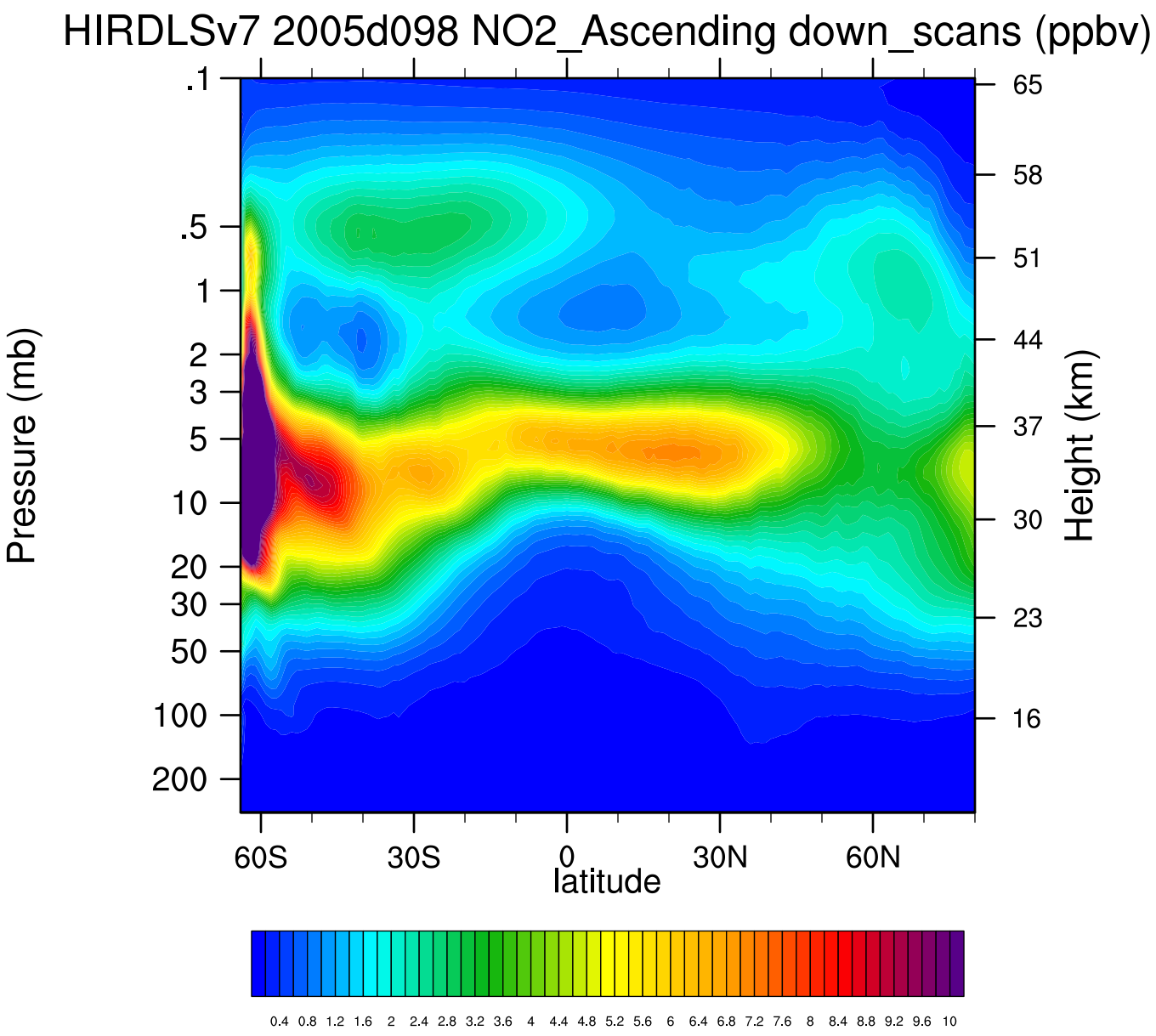
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

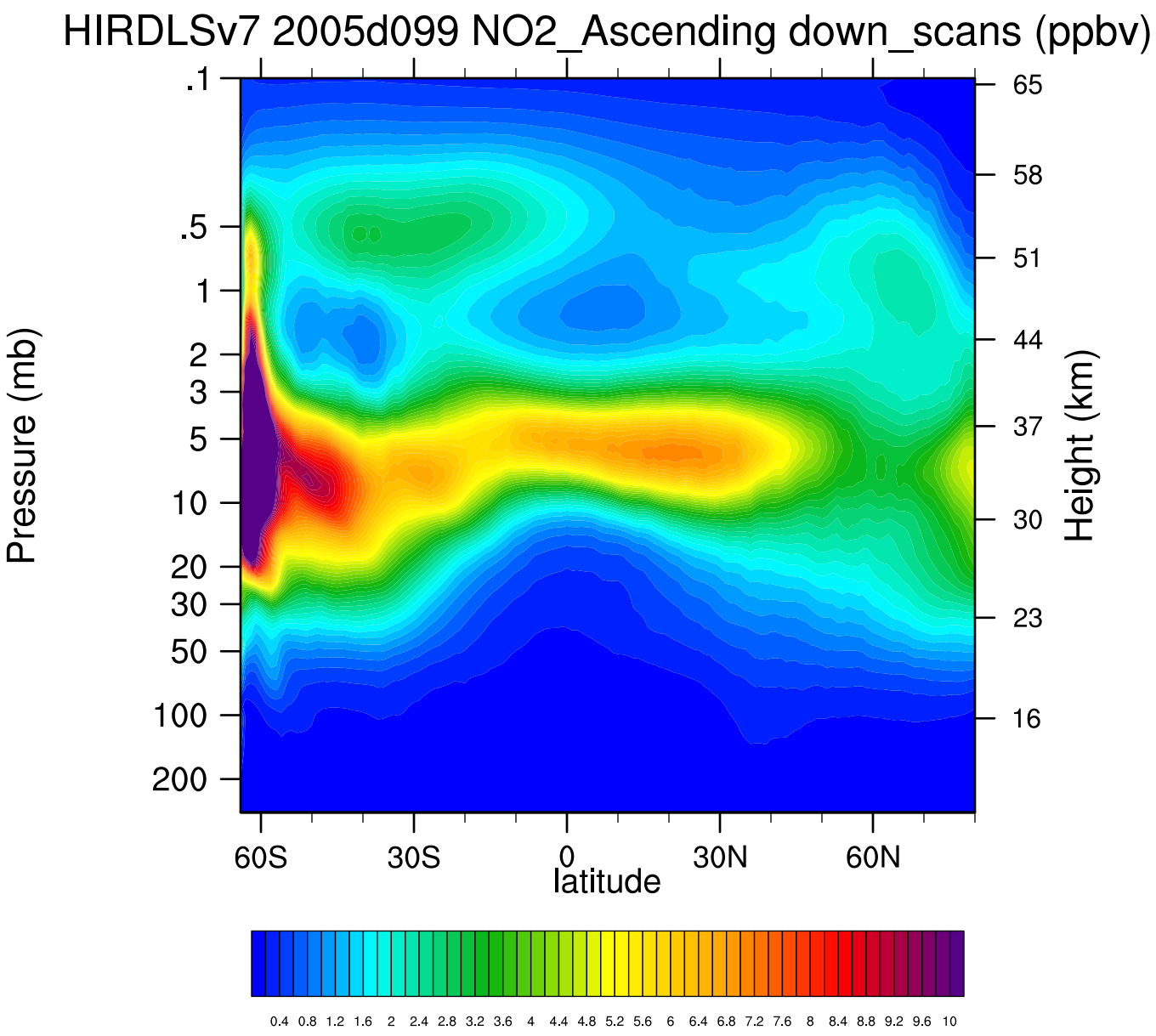

HIRDLSv7 2005d094 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

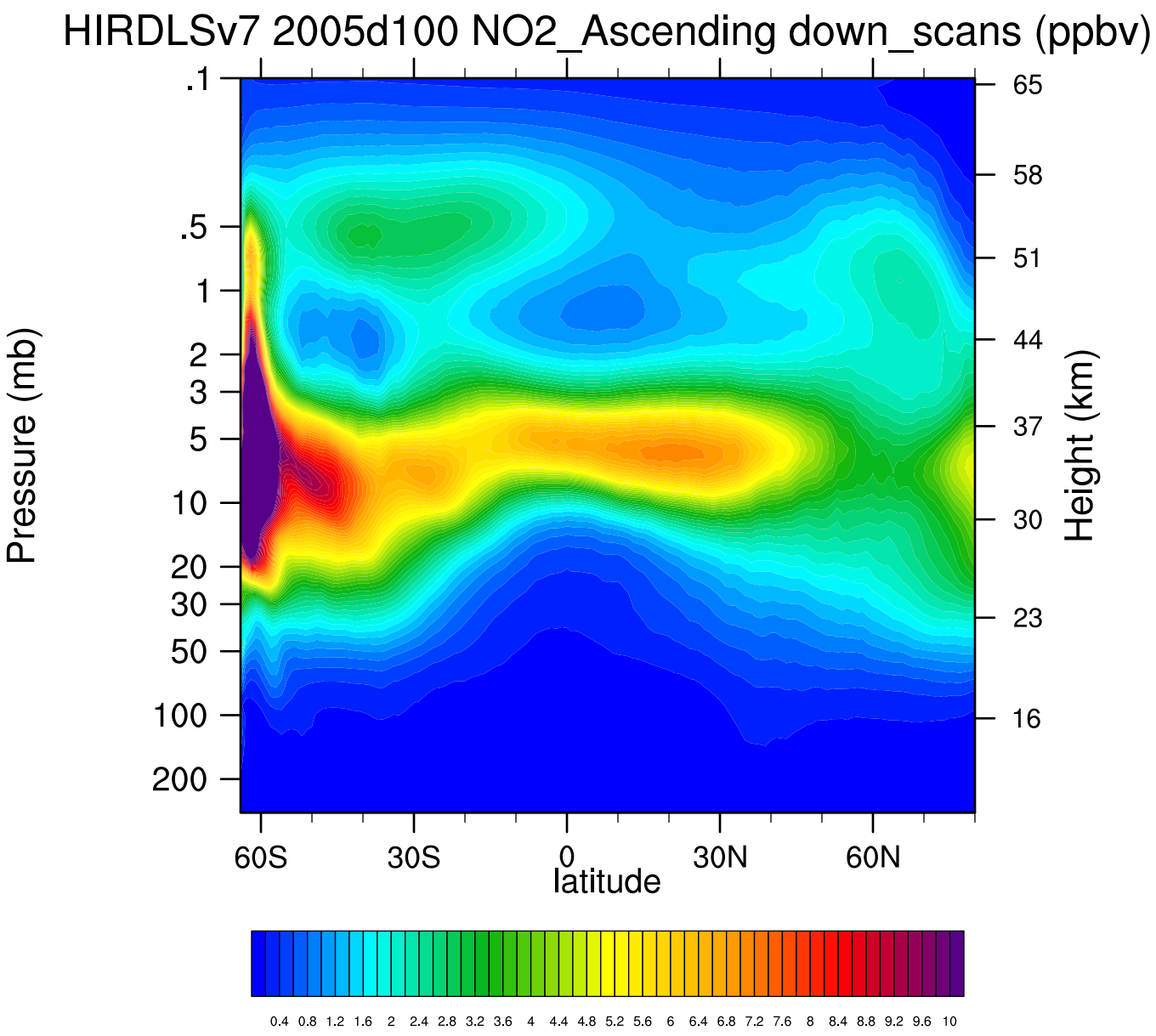

HIRDLSv7 2005d095 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

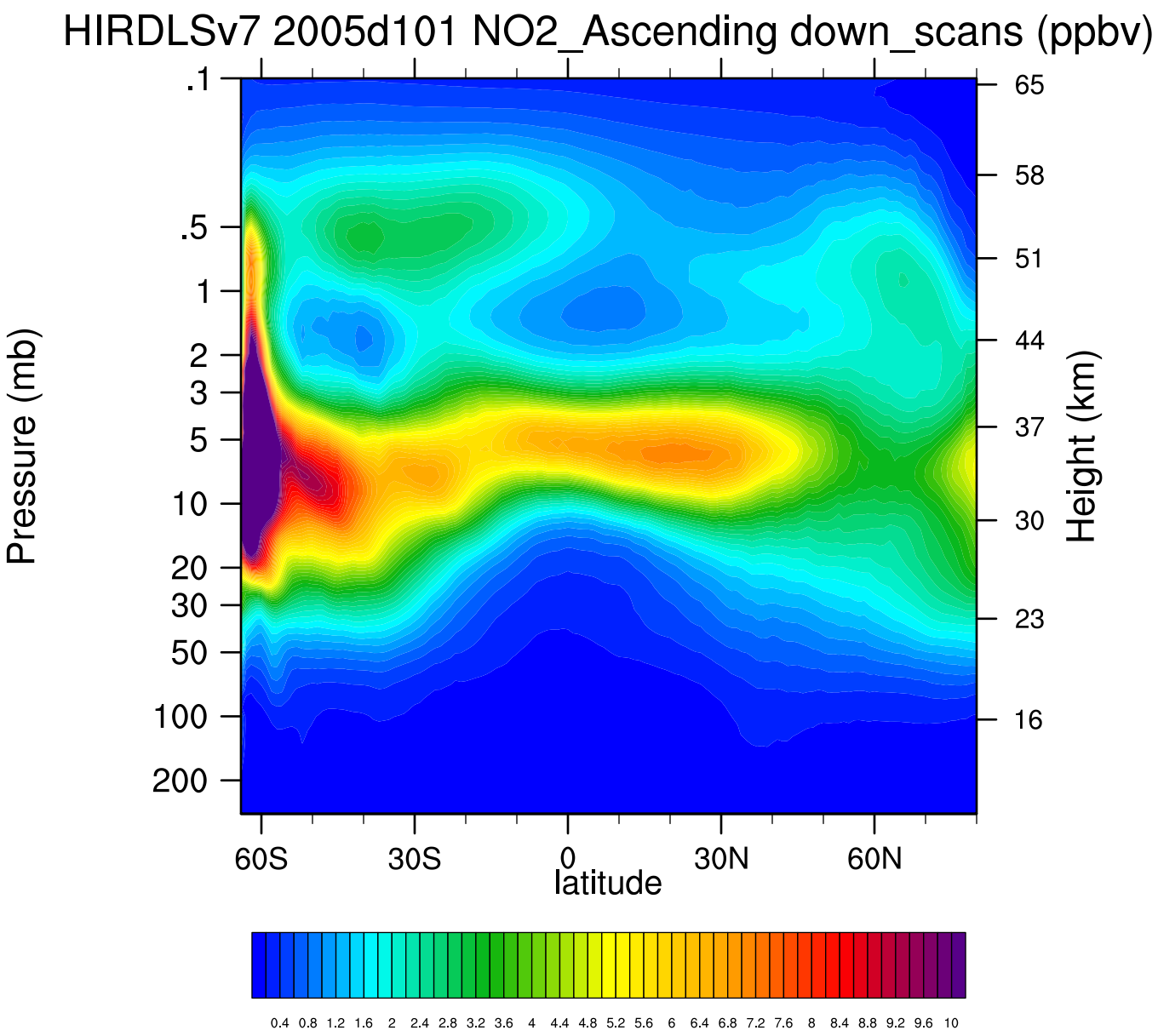

HIRDLSv7 2005d096 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

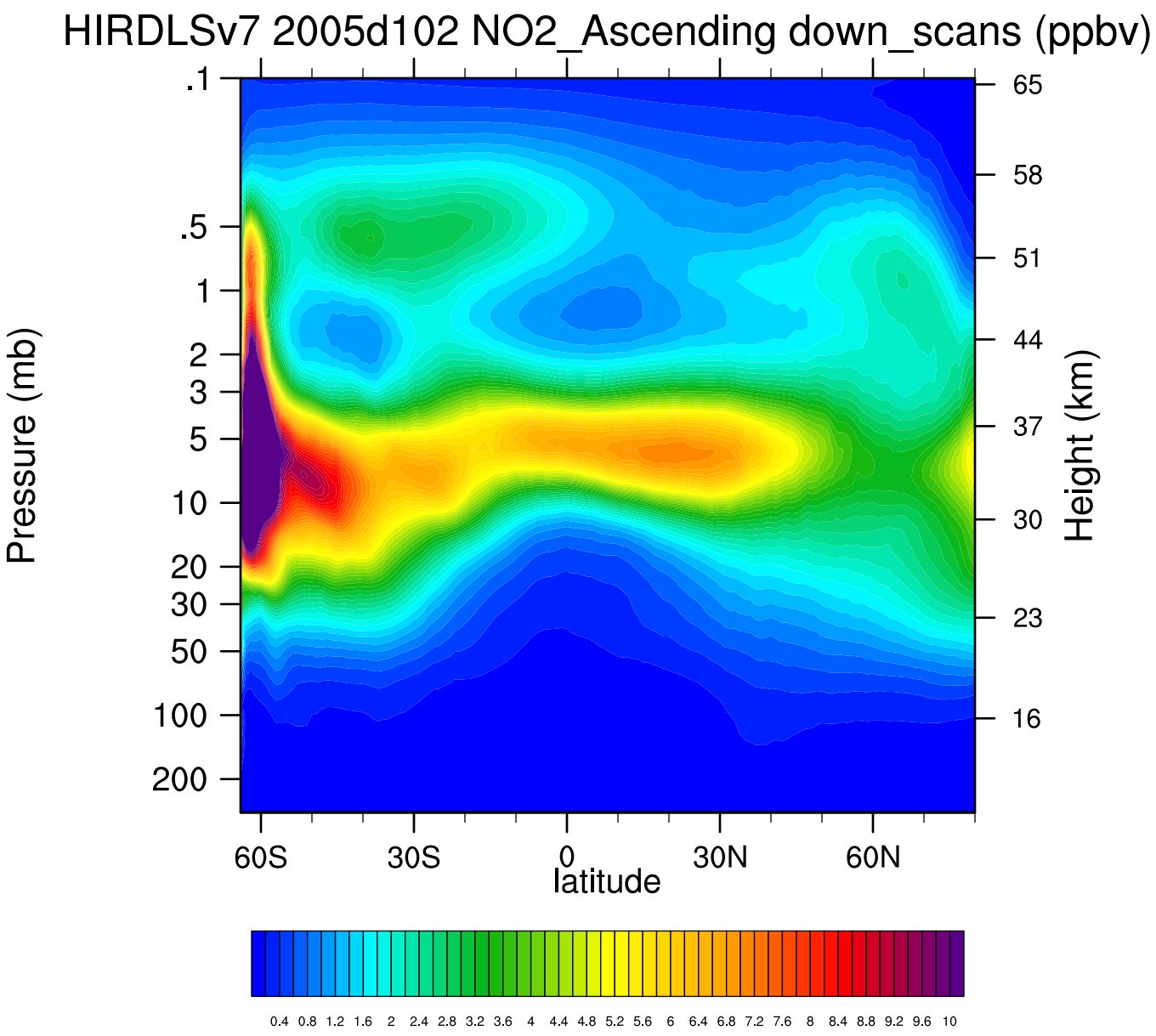

HIRDLSv7 2005d097 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

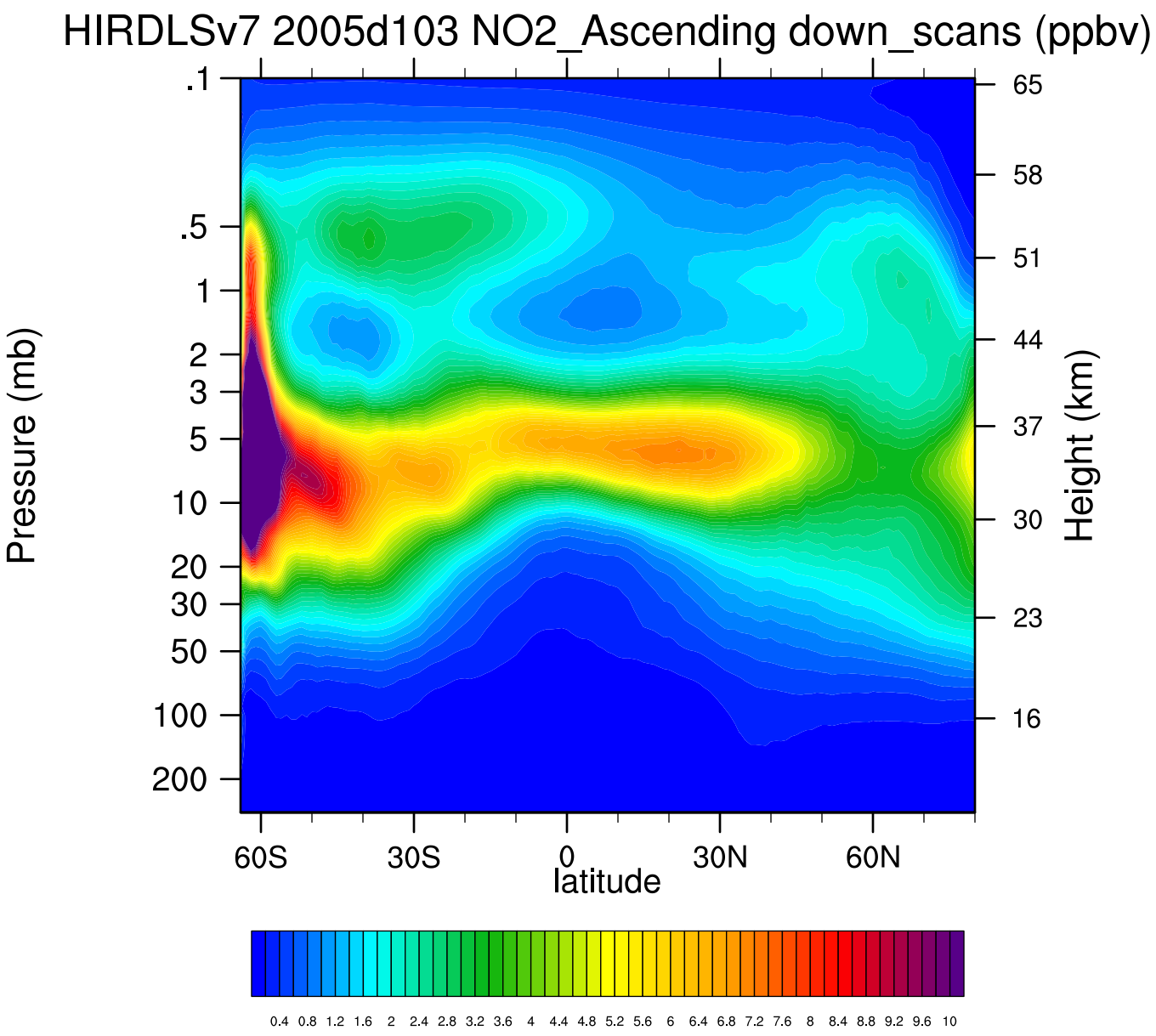

HIRDLSv7 2005d098 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

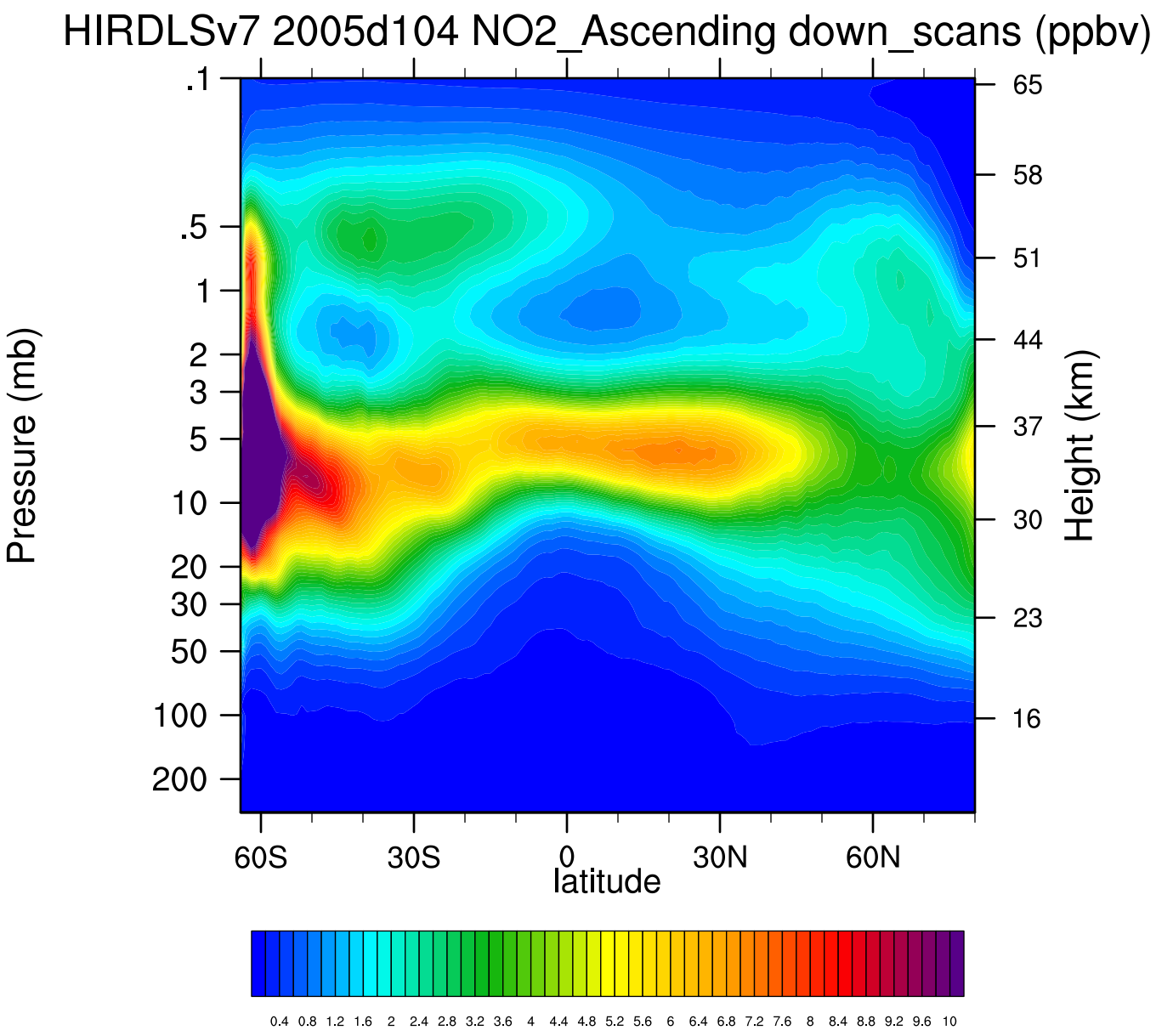

HIRDLSv7 2005d099 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

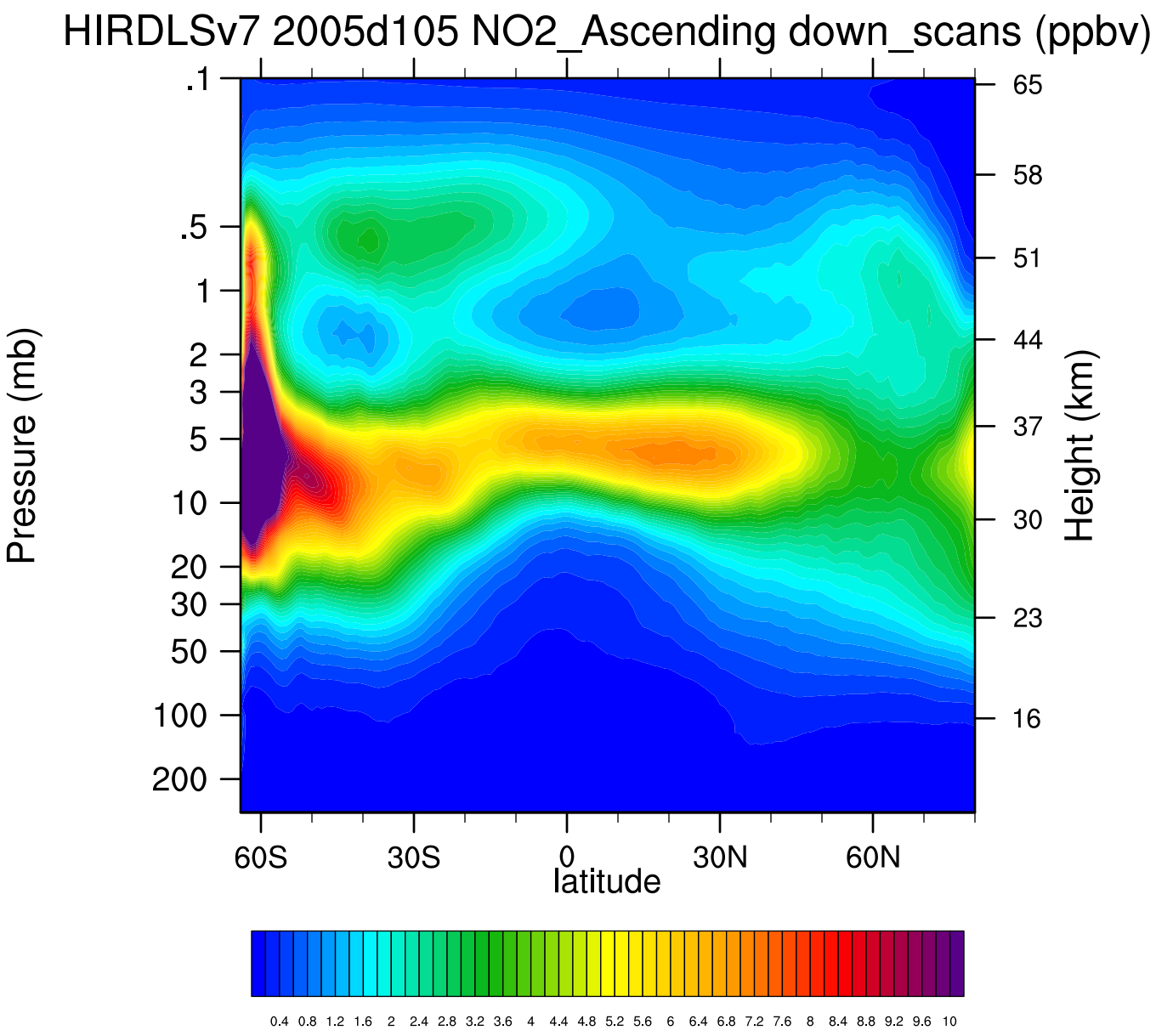

HIRDLSv7 2005d100 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

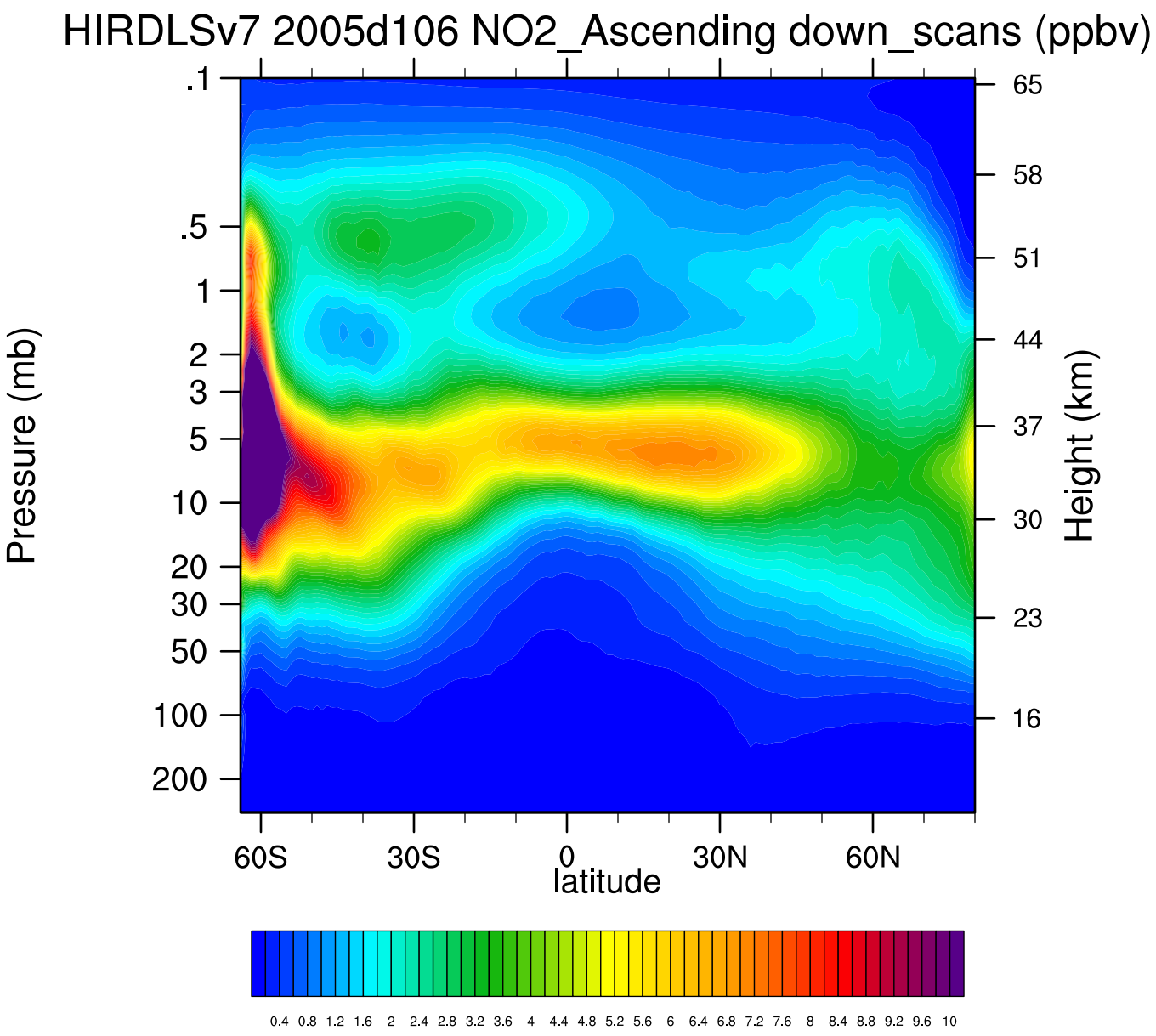

HIRDLSv7 2005d101 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

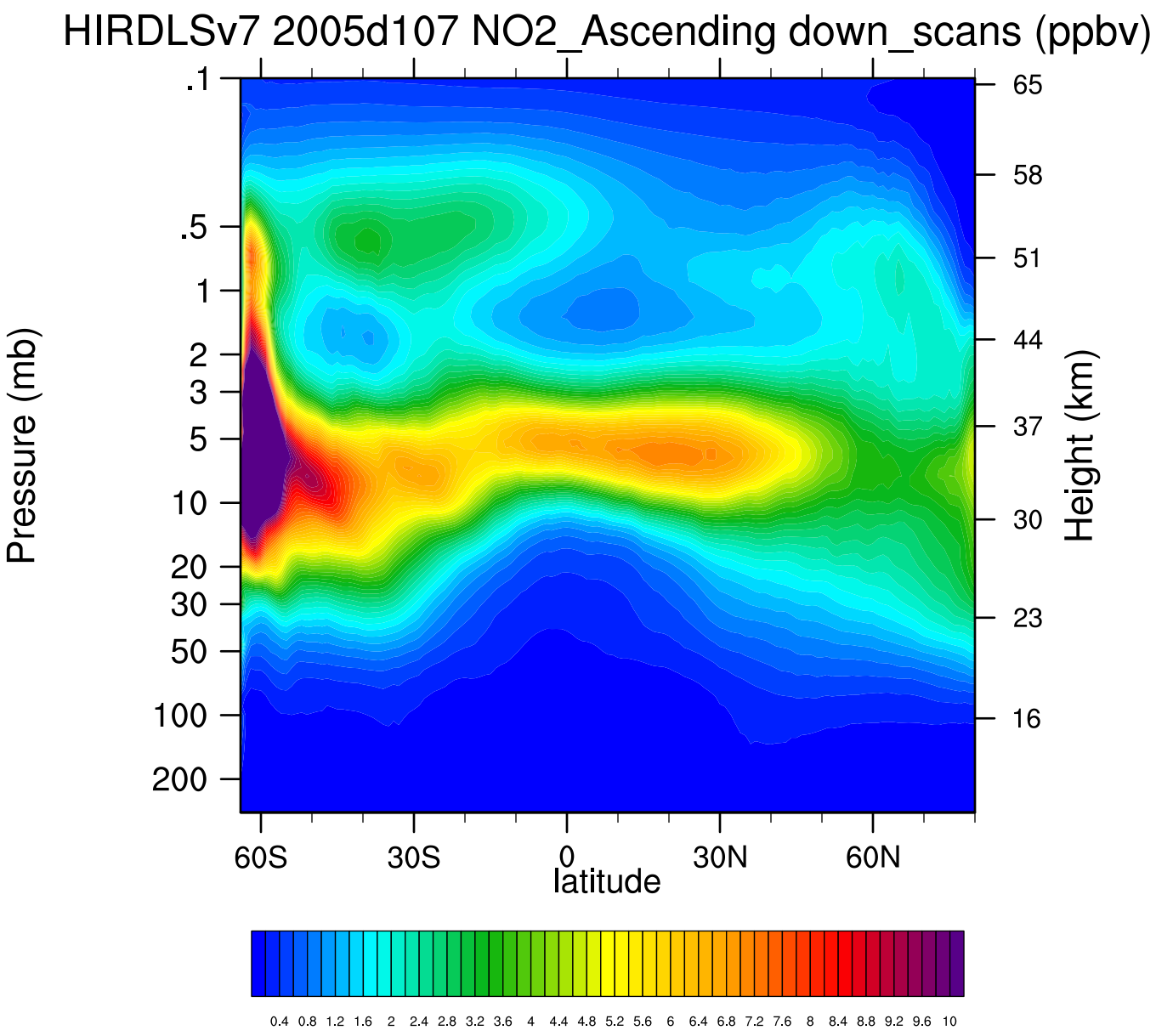

HIRDLSv7 2005d102 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

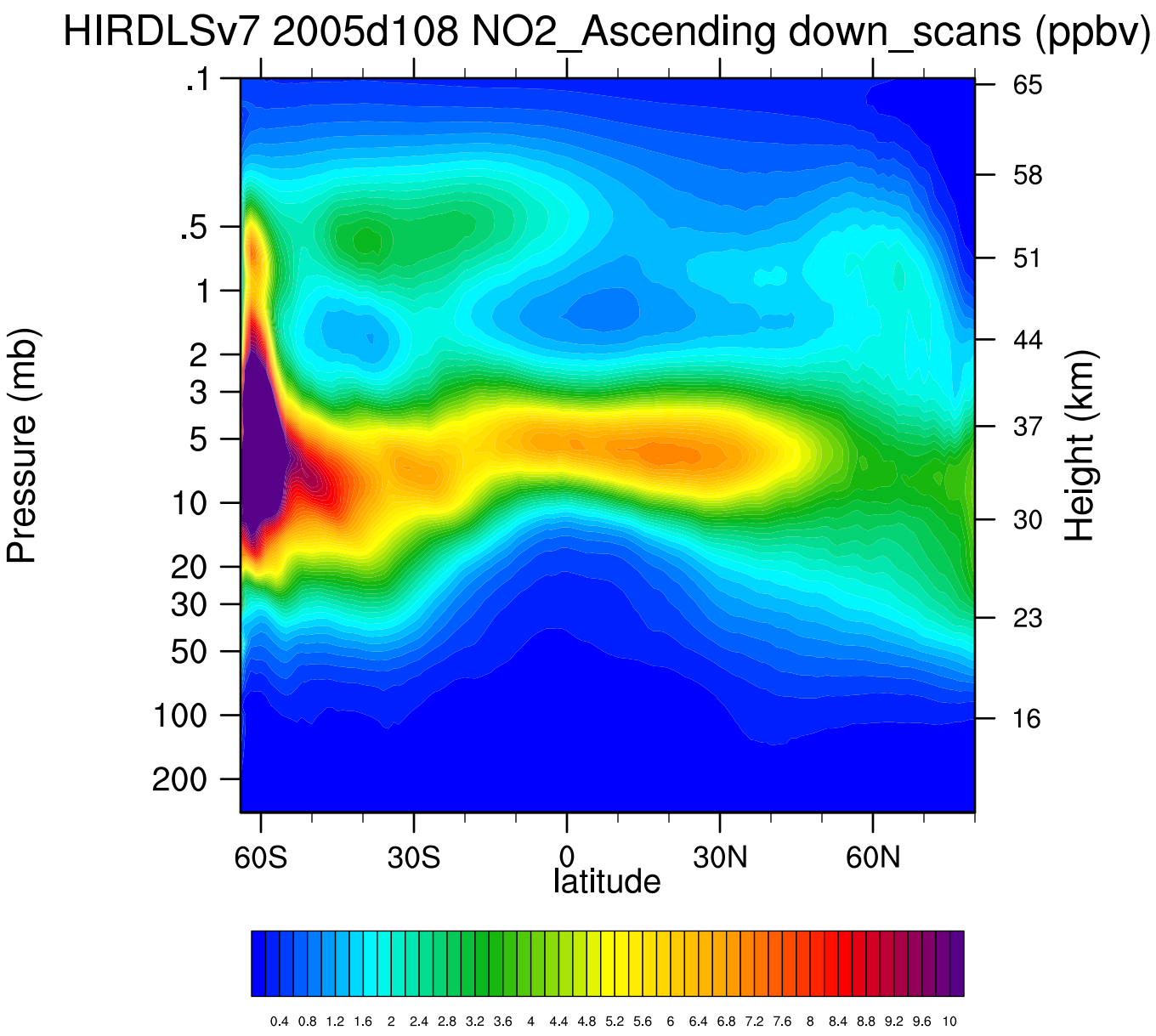

HIRDLSv7 2005d103 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

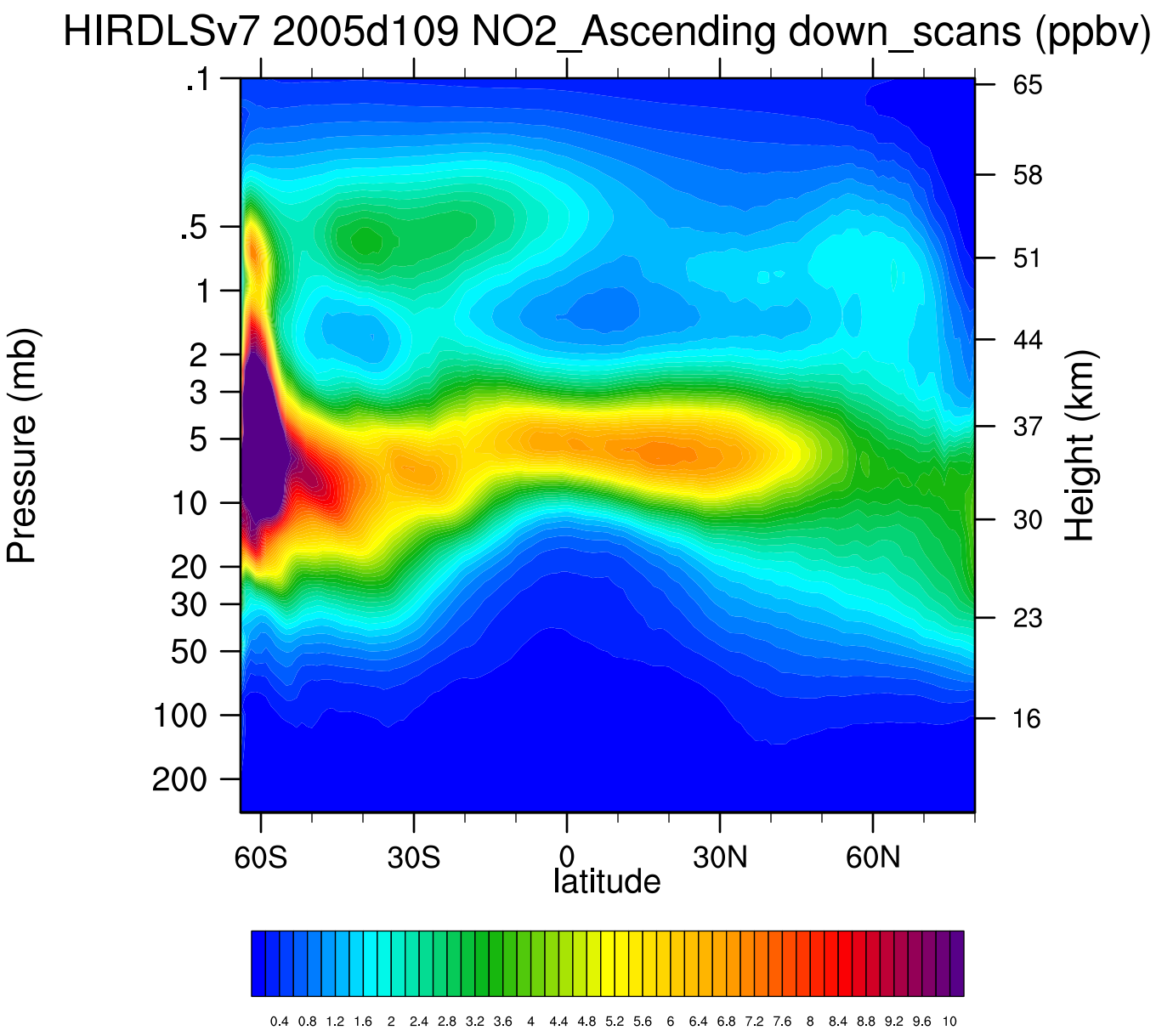

HIRDLSv7 2005d104 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

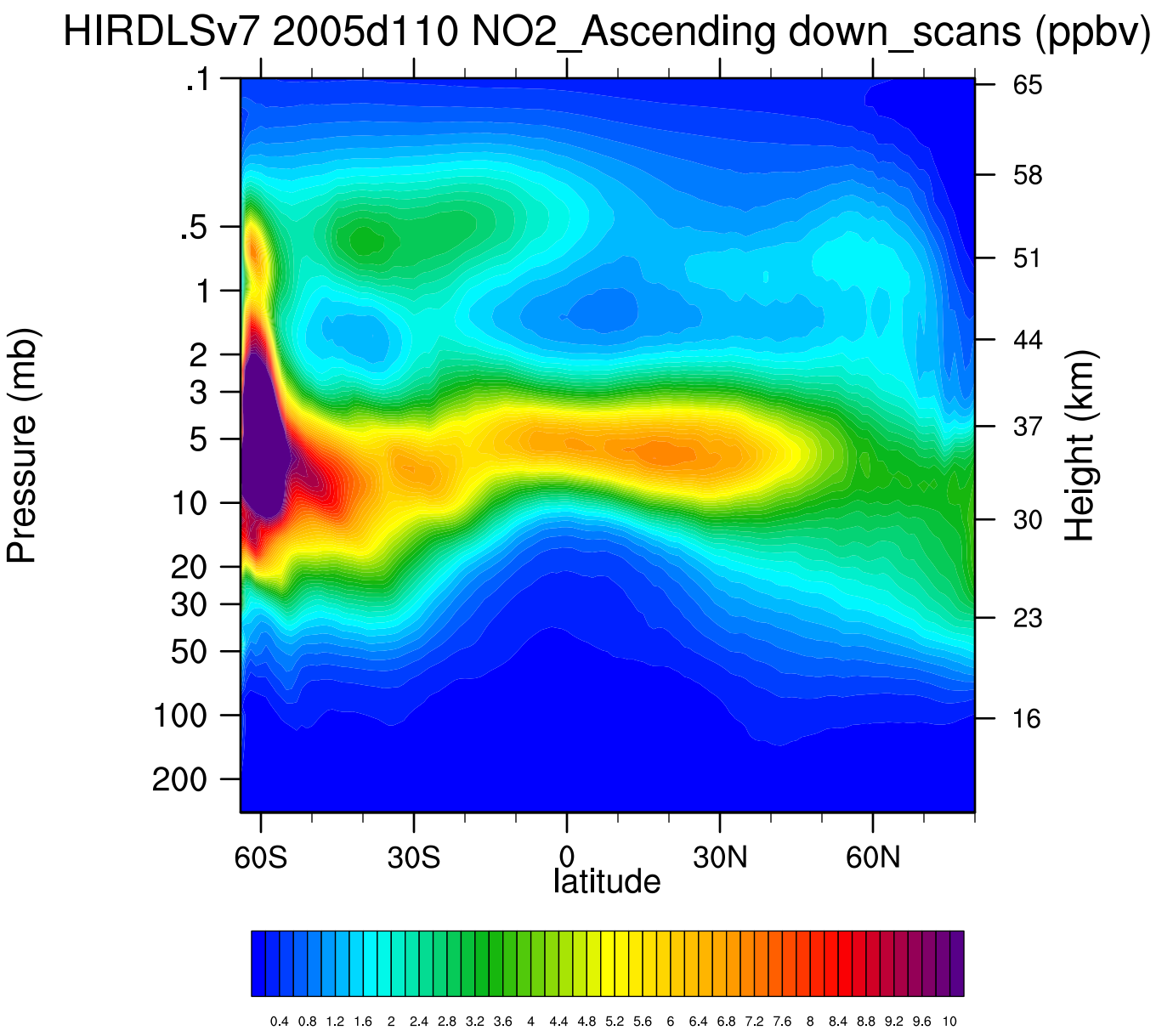

HIRDLSv7 2005d105 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

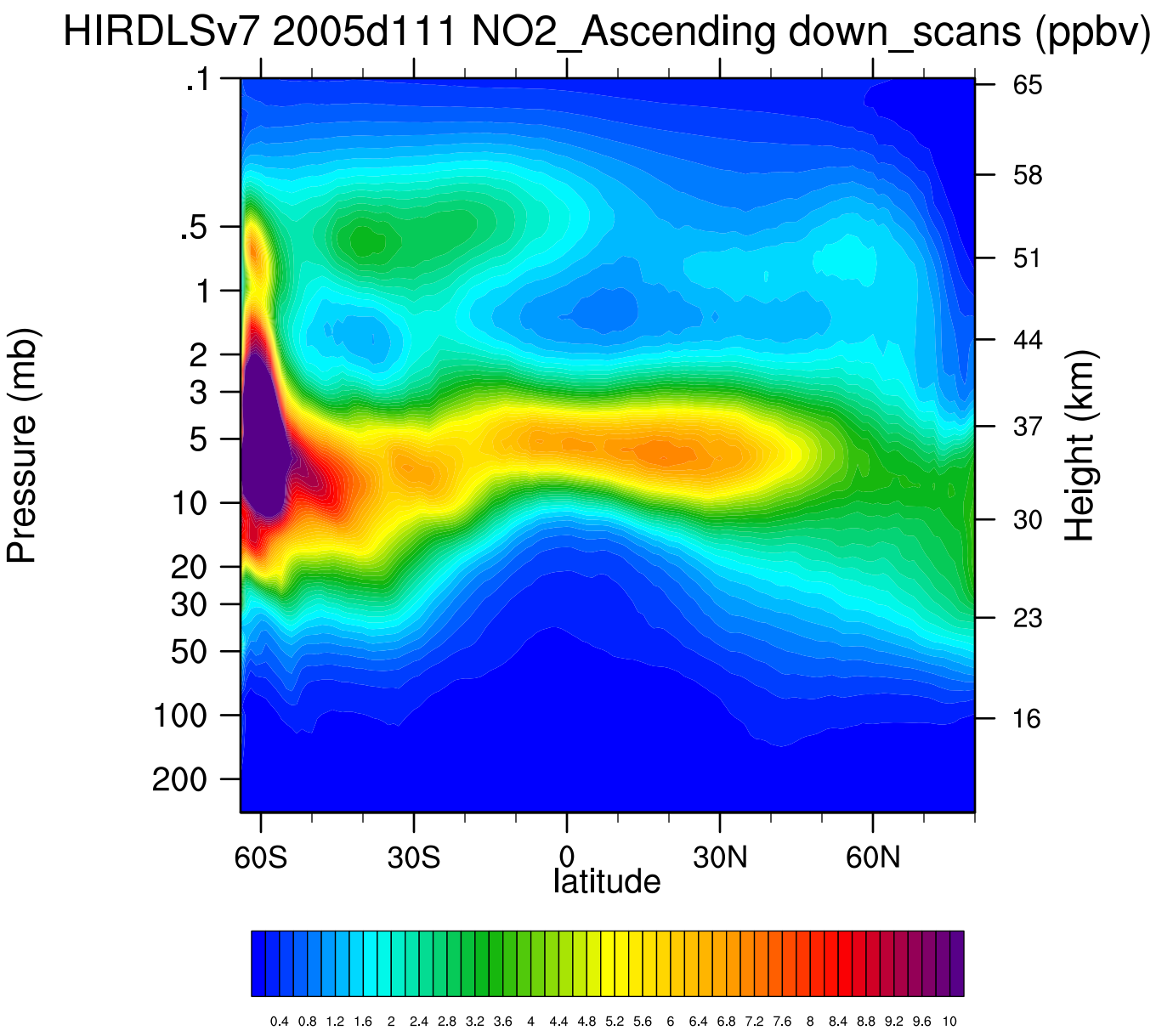

HIRDLSv7 2005d106 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

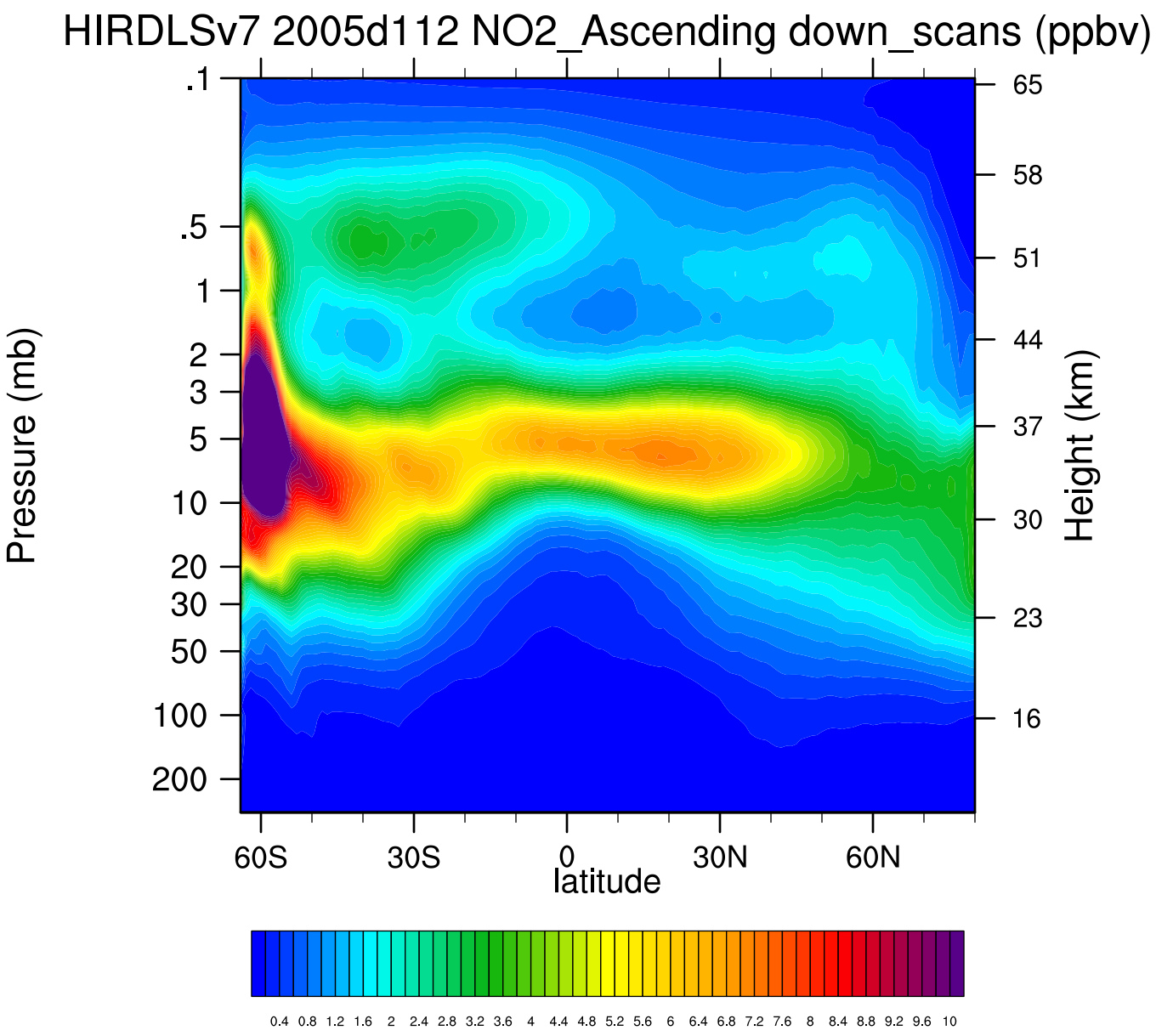

HIRDLSv7 2005d107 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

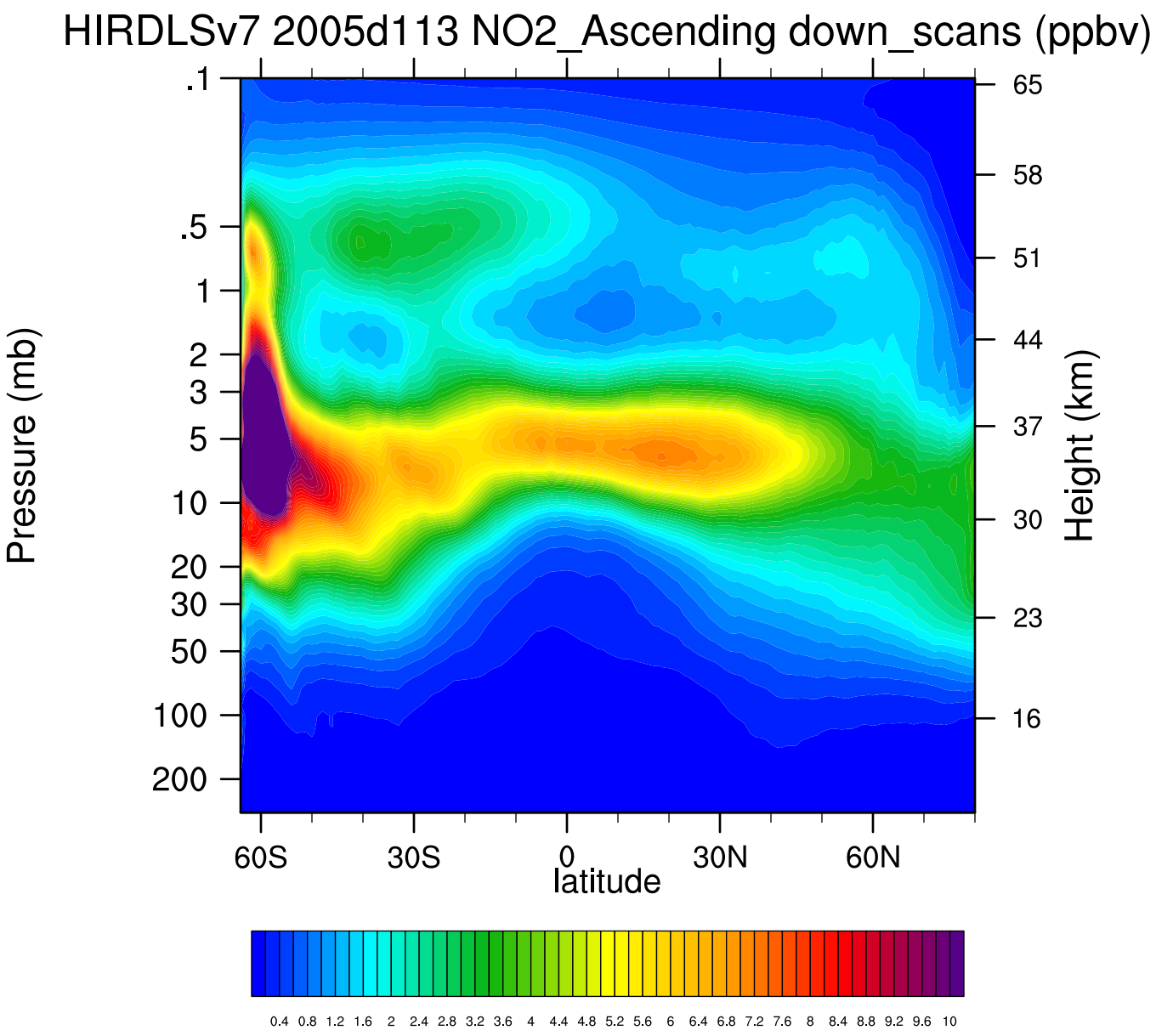

HIRDLSv7 2005d108 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

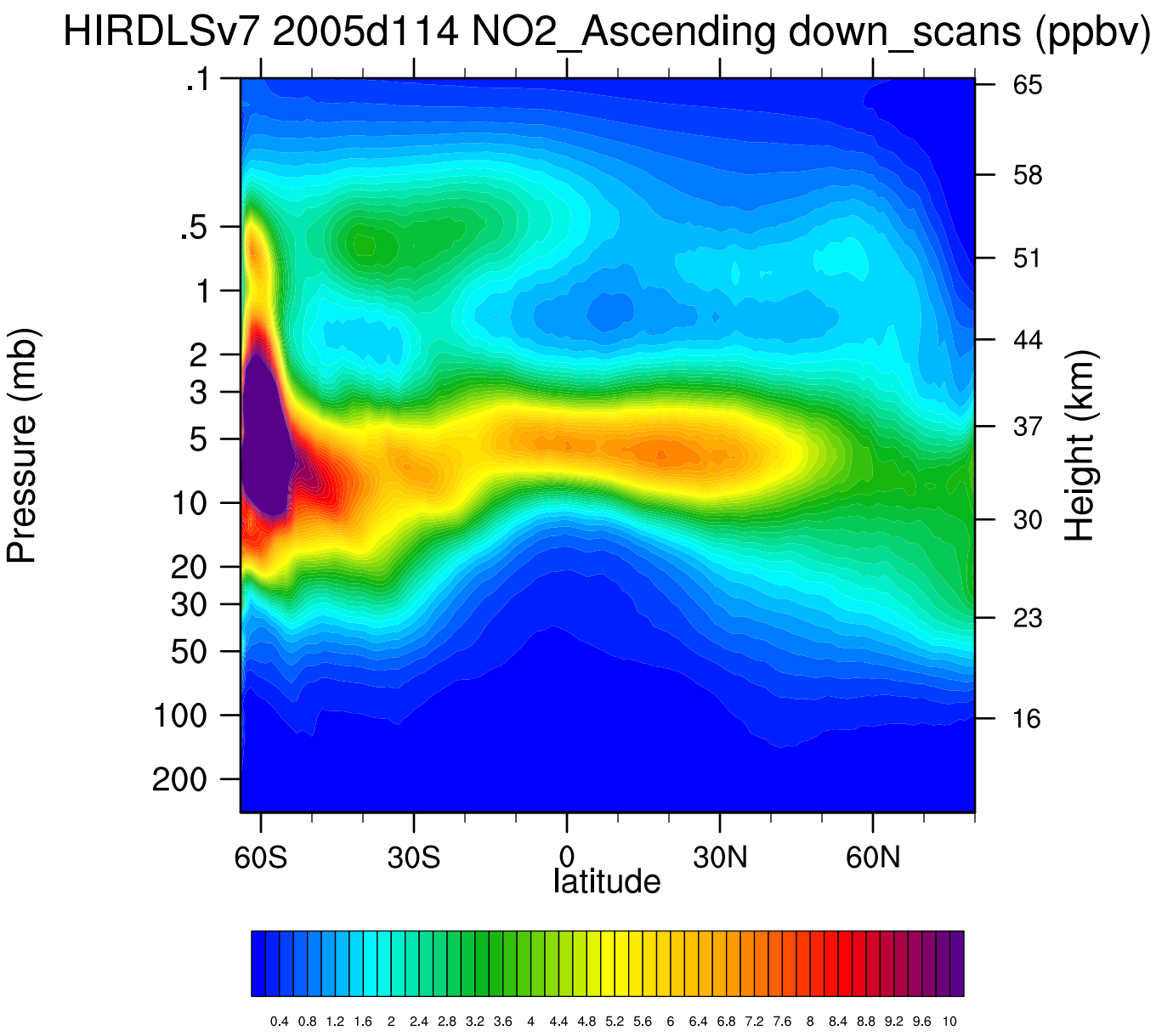

HIRDLSv7 2005d109 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

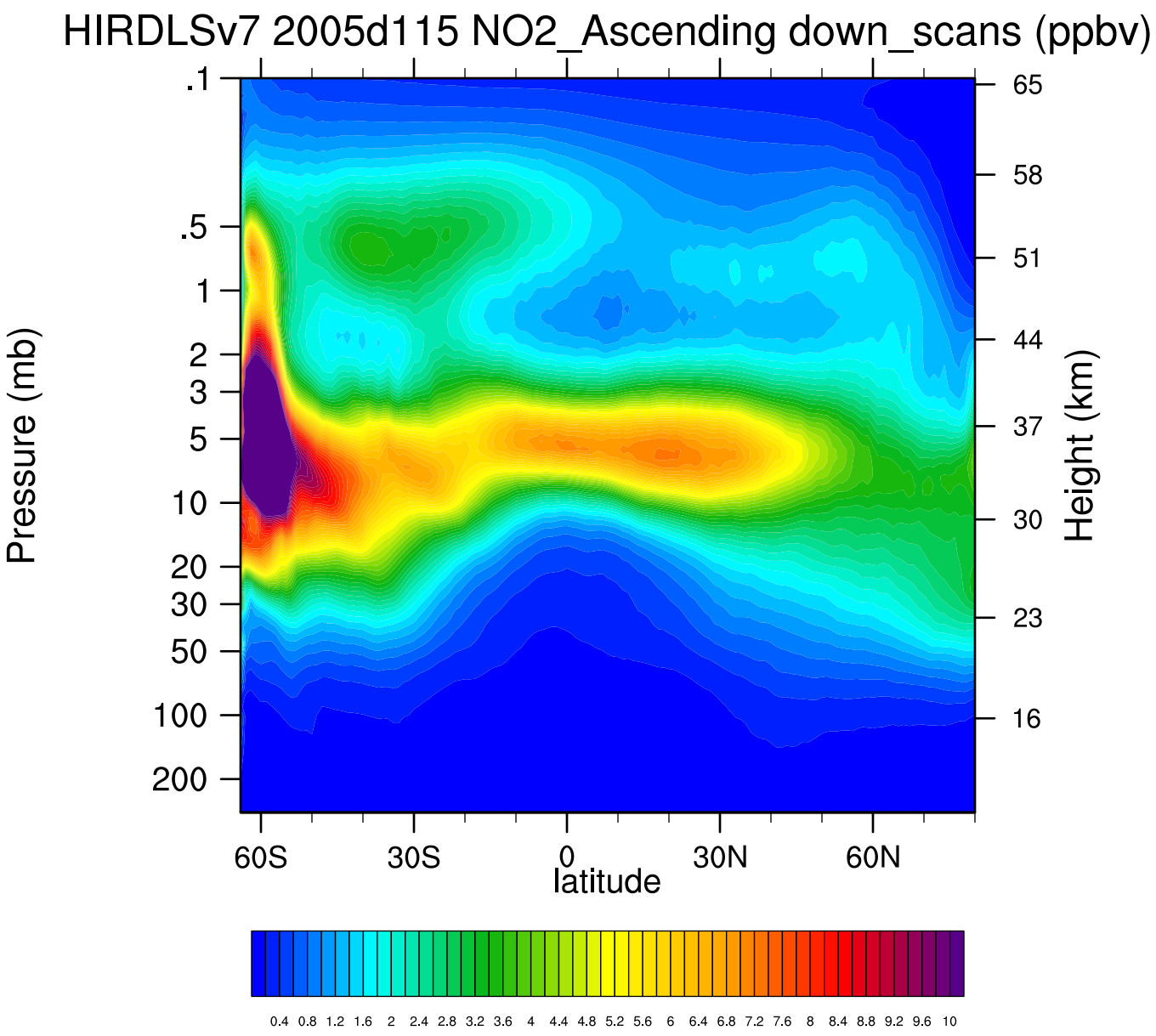

HIRDLSv7 2005d110 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

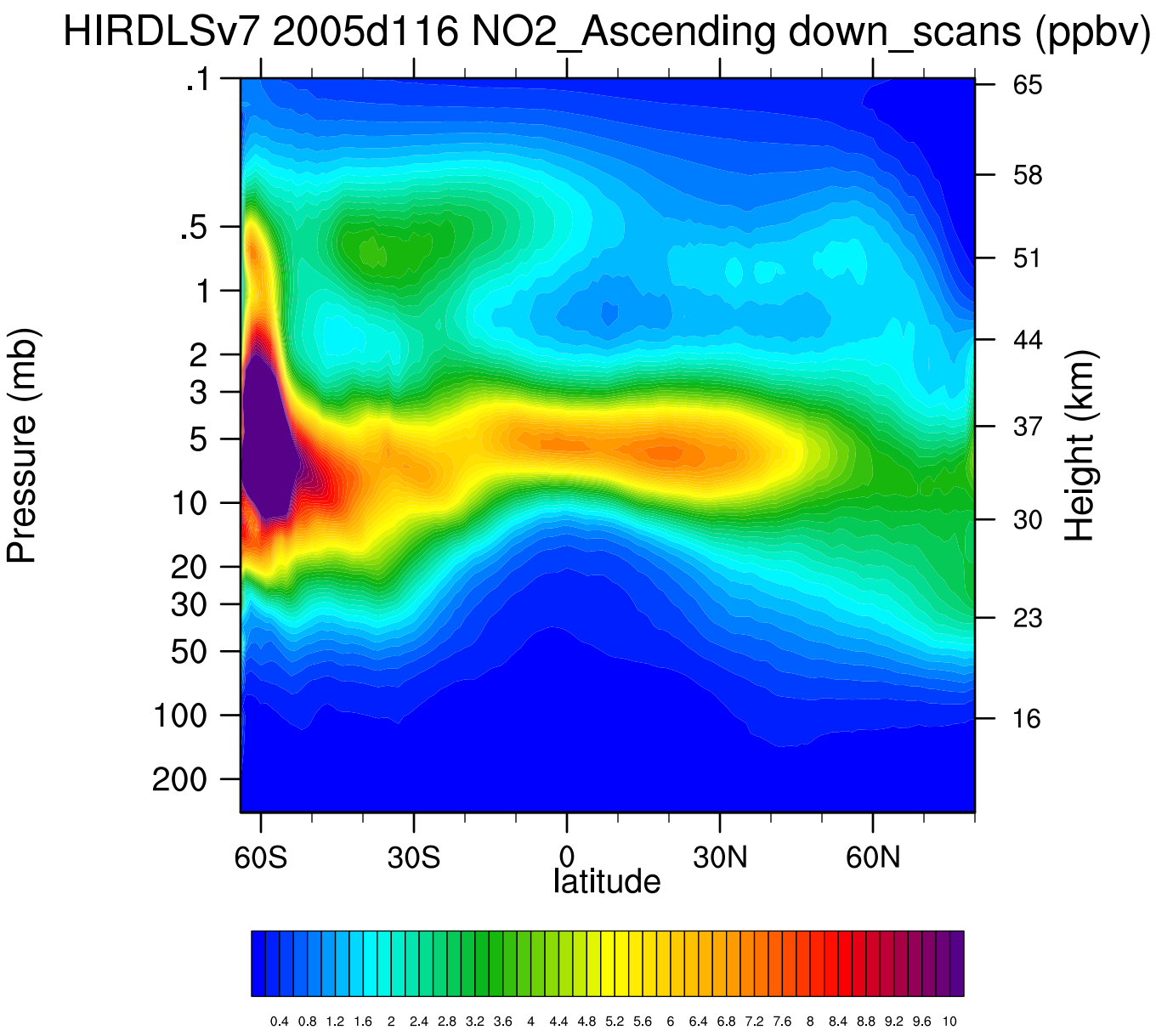

HIRDLSv7 2005d111 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

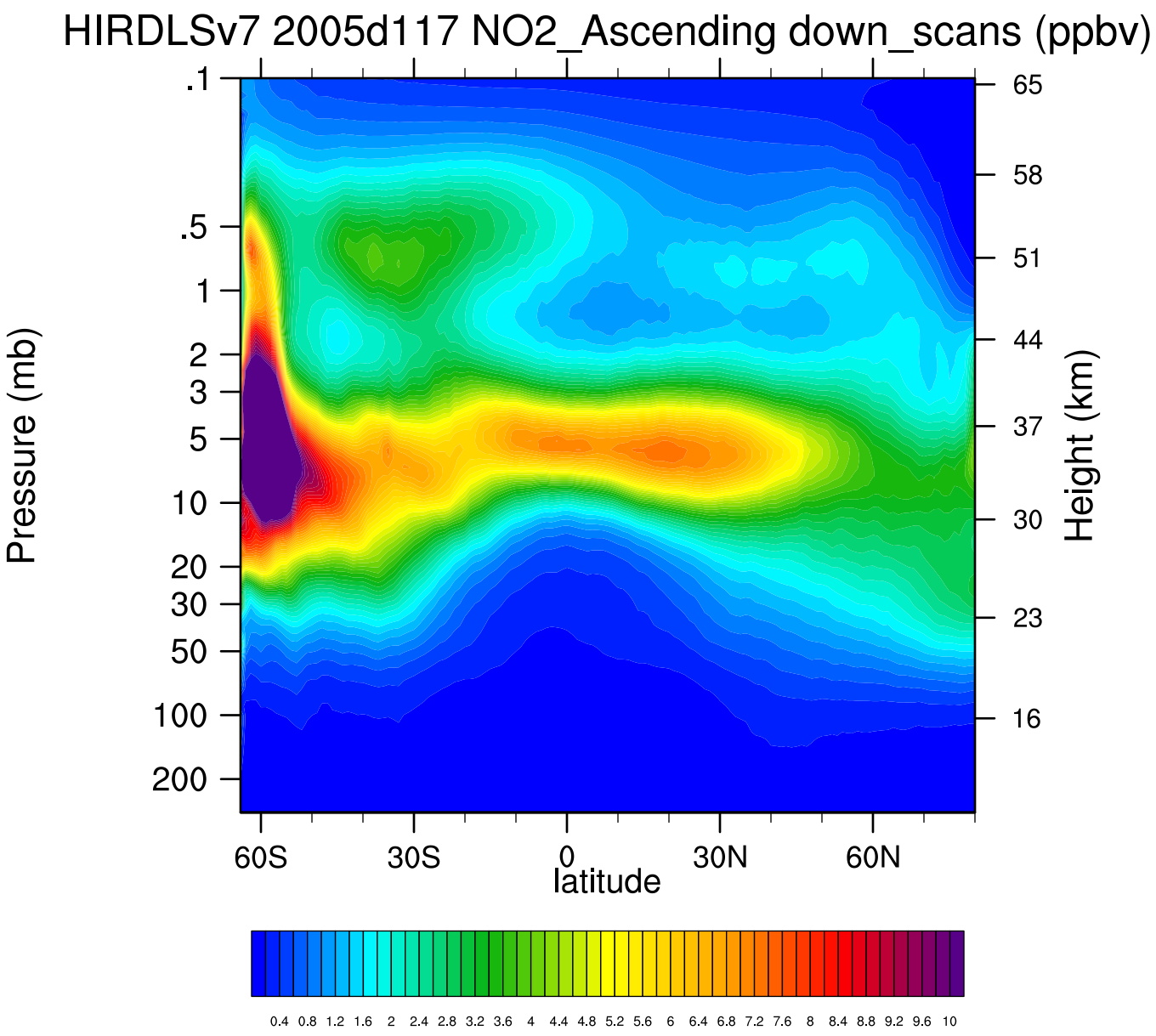

HIRDLSv7 2005d112 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

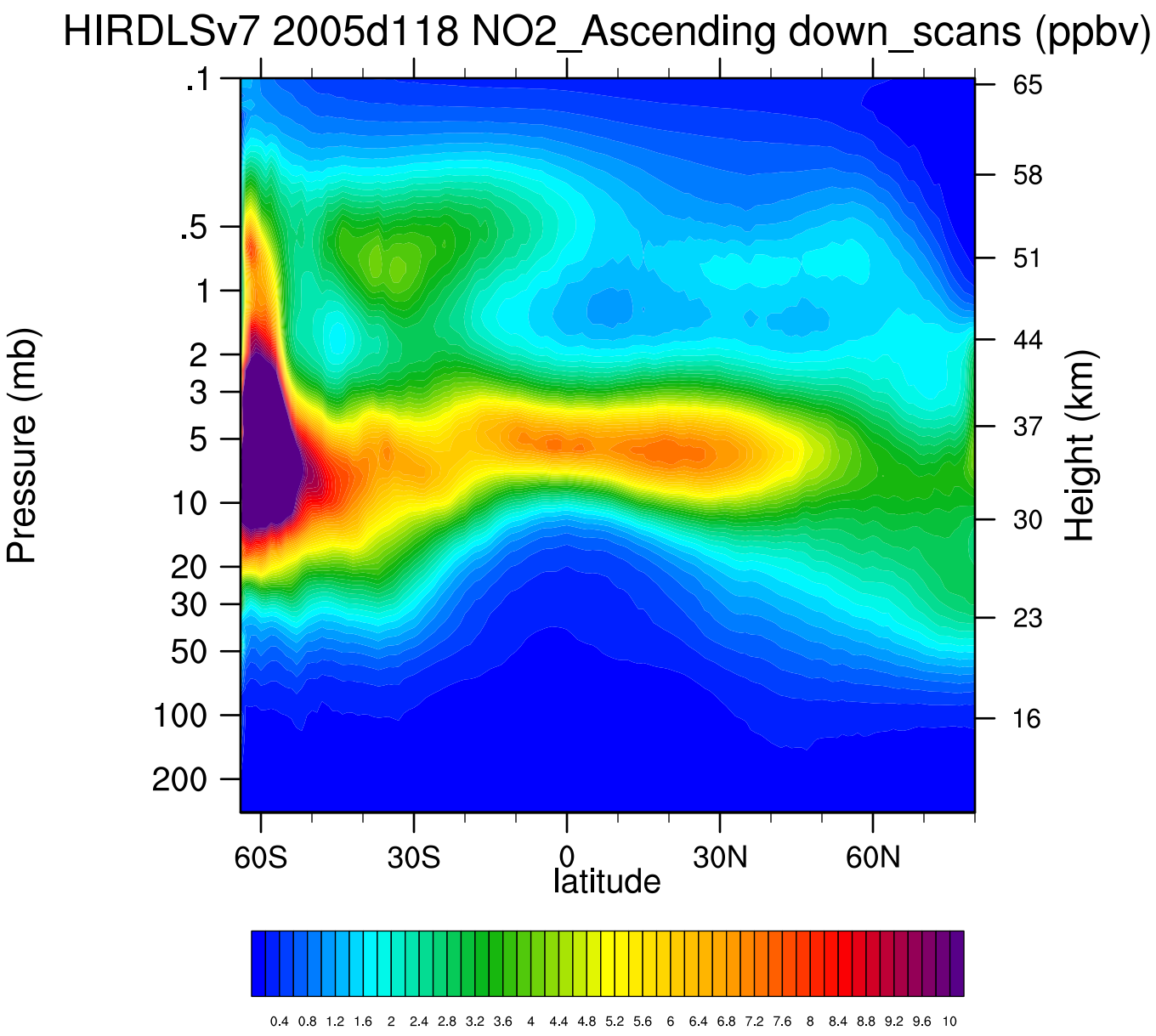

HIRDLSv7 2005d113 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

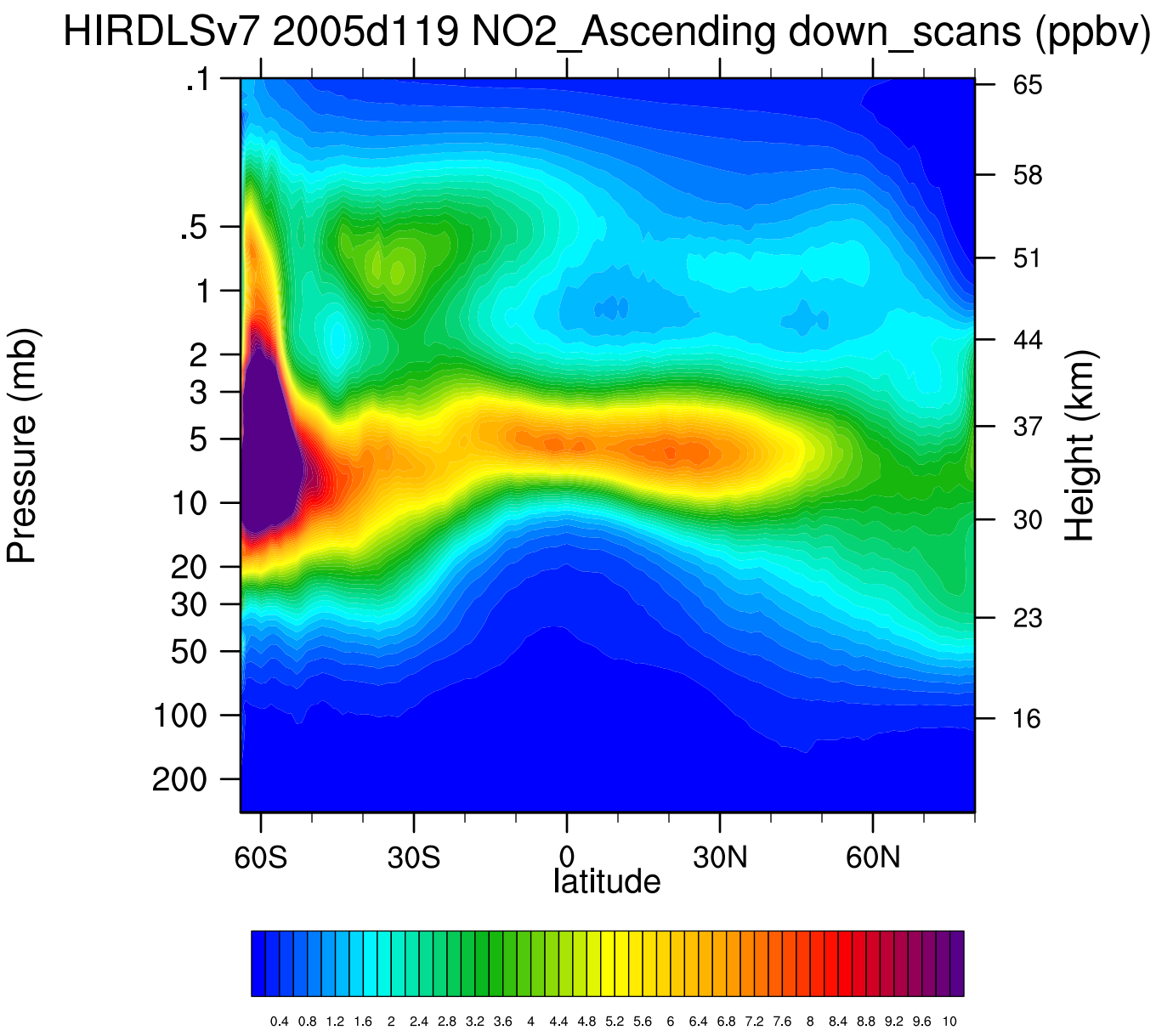

HIRDLSv7 2005d114 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

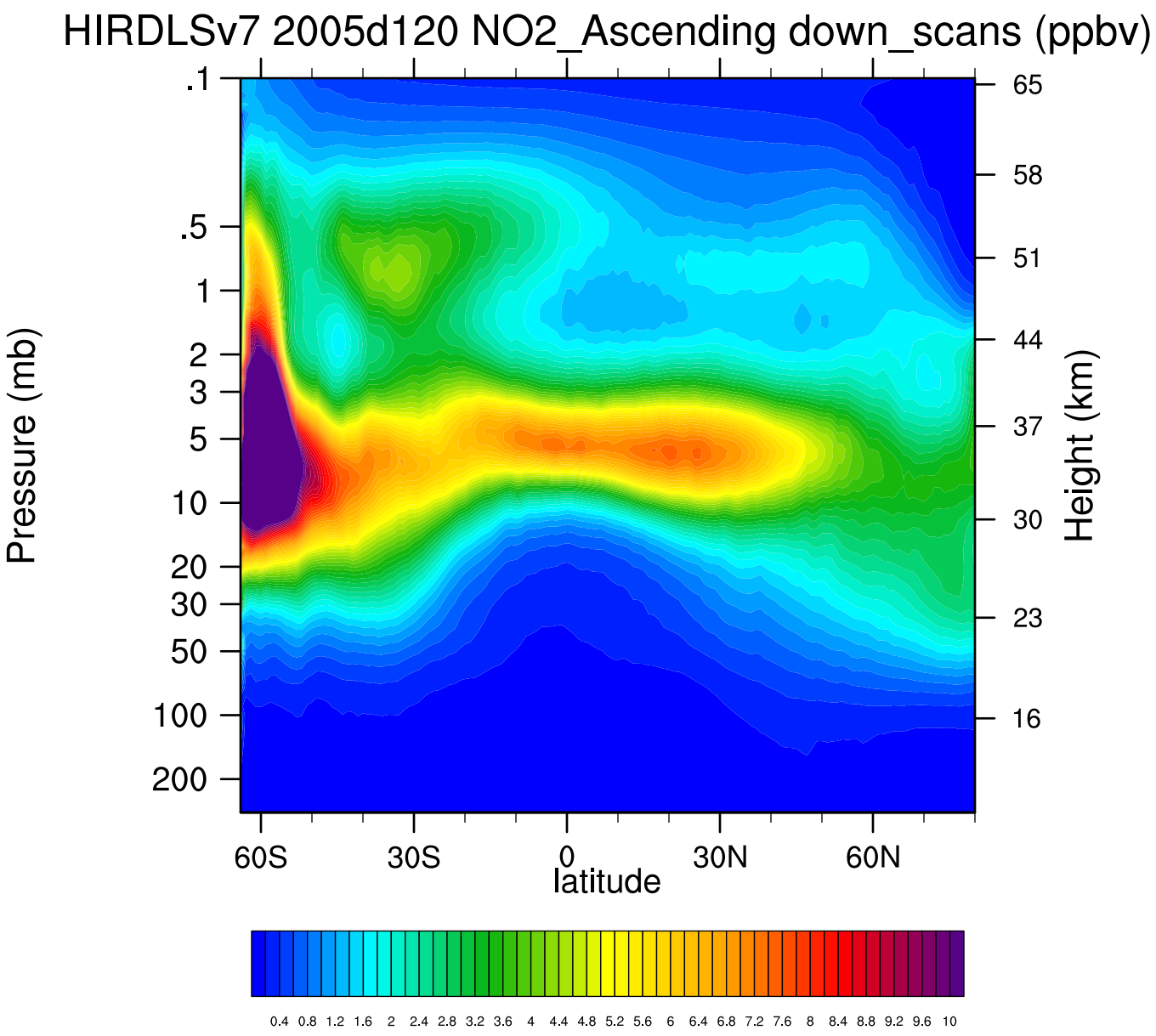

HIRDLSv7 2005d115 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

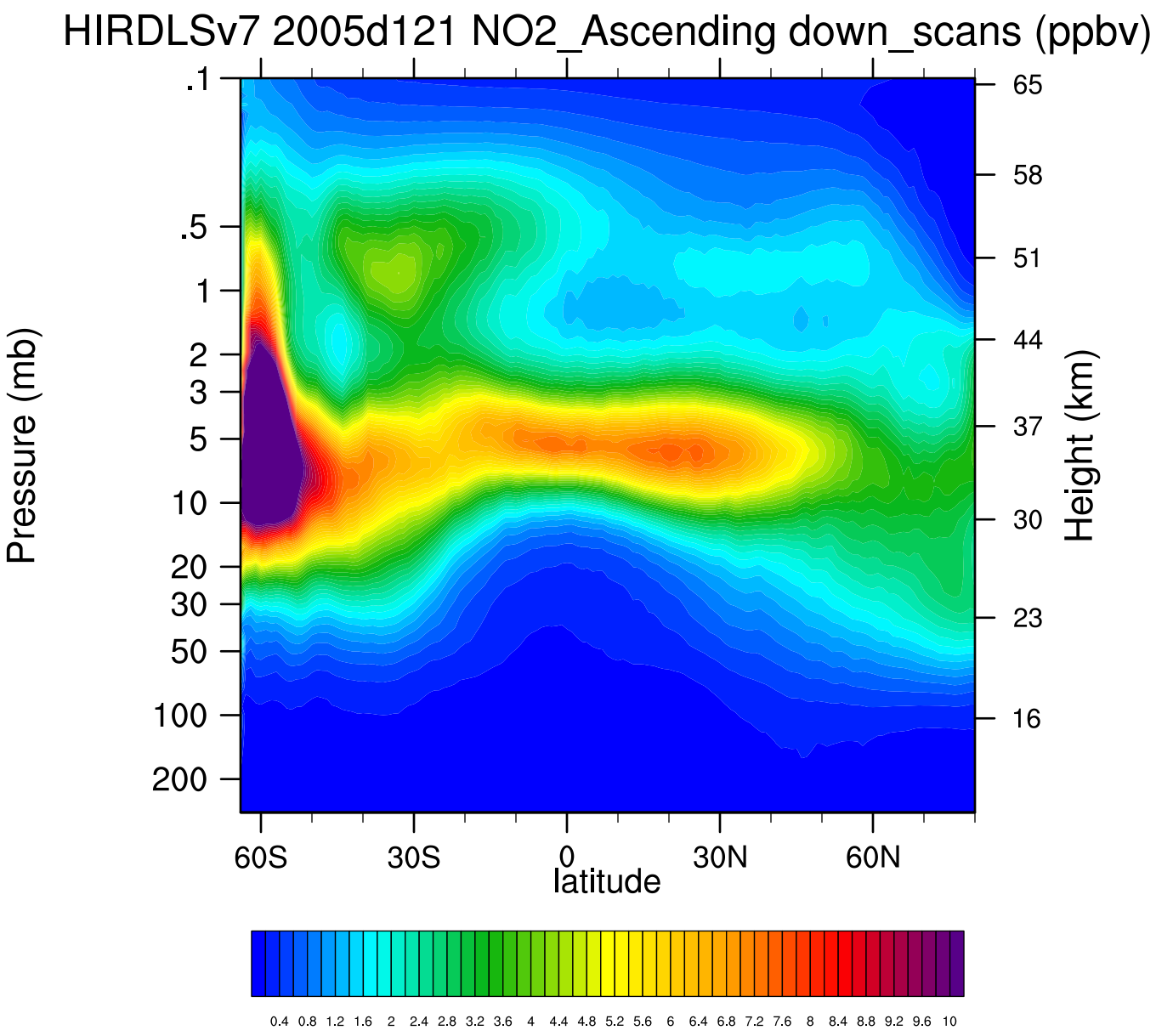

HIRDLSv7 2005d116 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

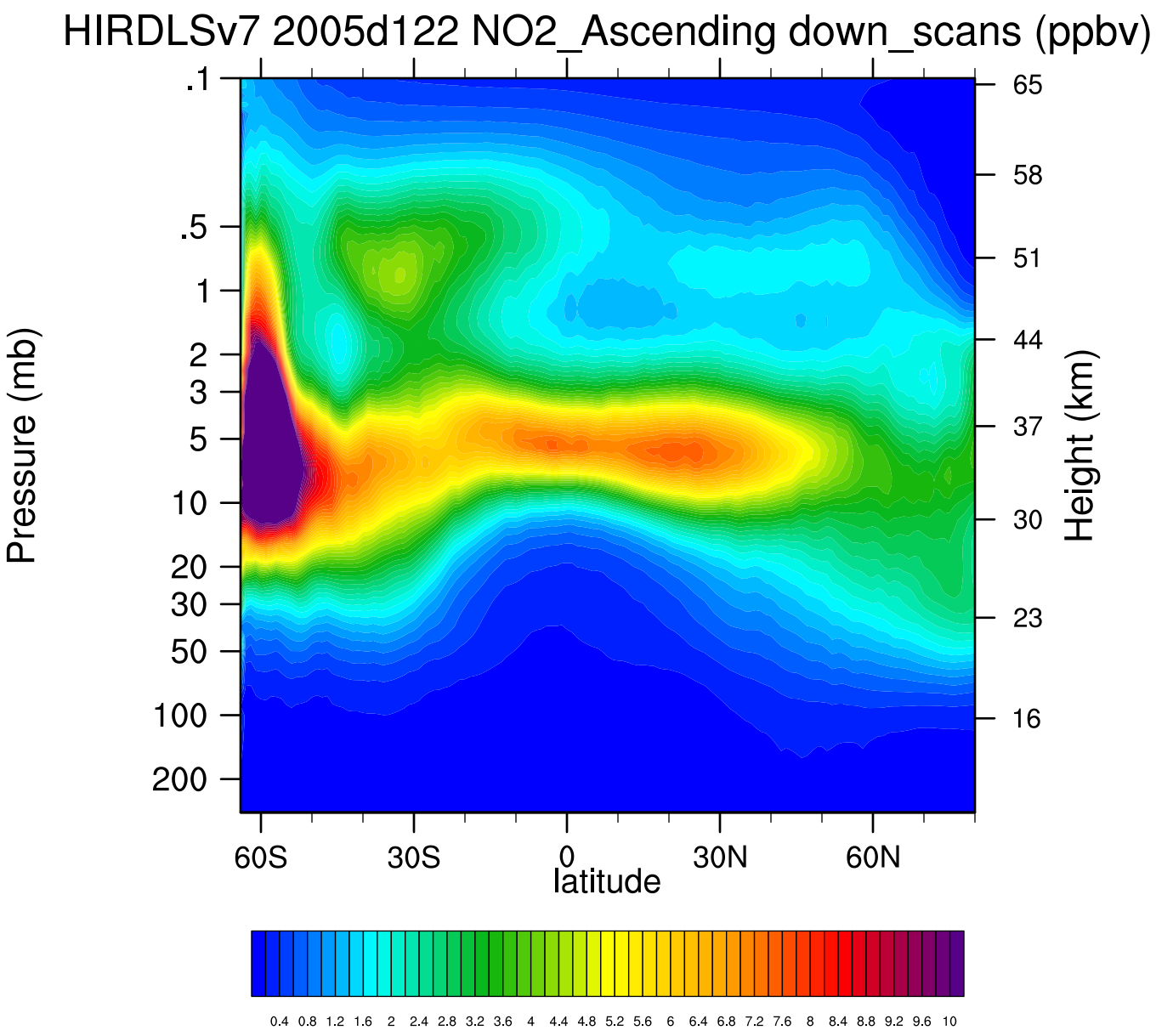

HIRDLSv7 2005d117 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

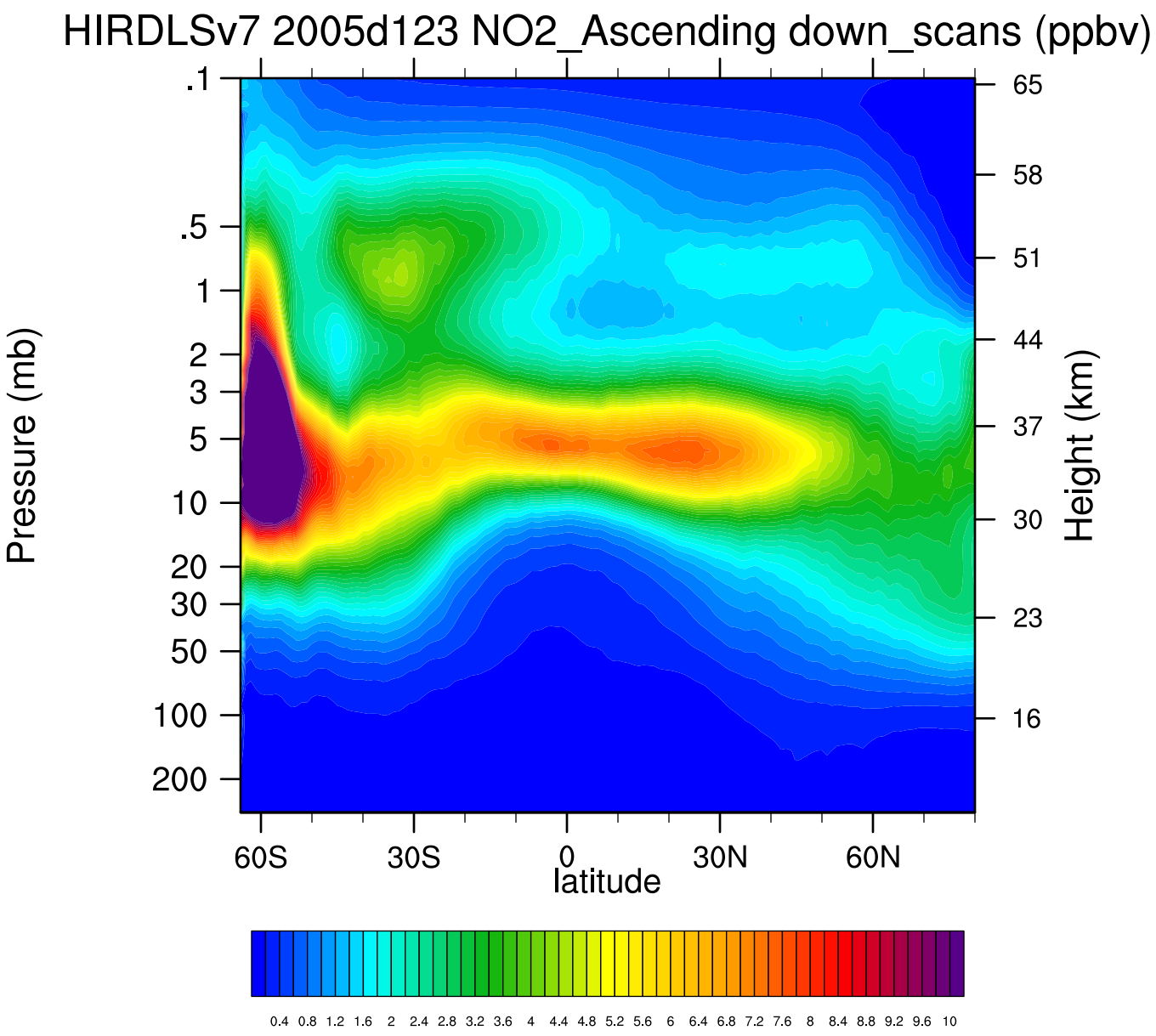

HIRDLSv7 2005d118 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

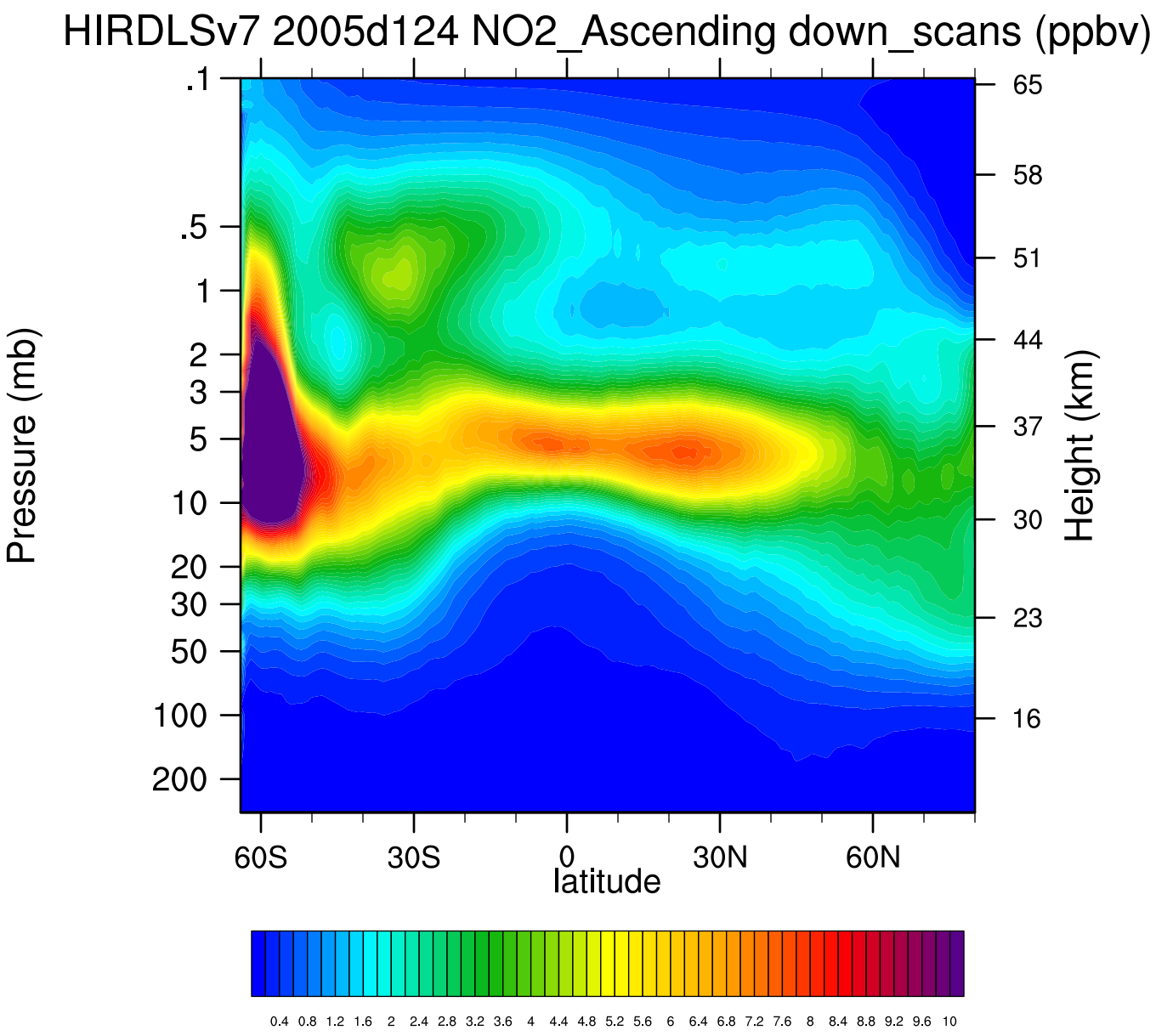

HIRDLSv7 2005d119 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

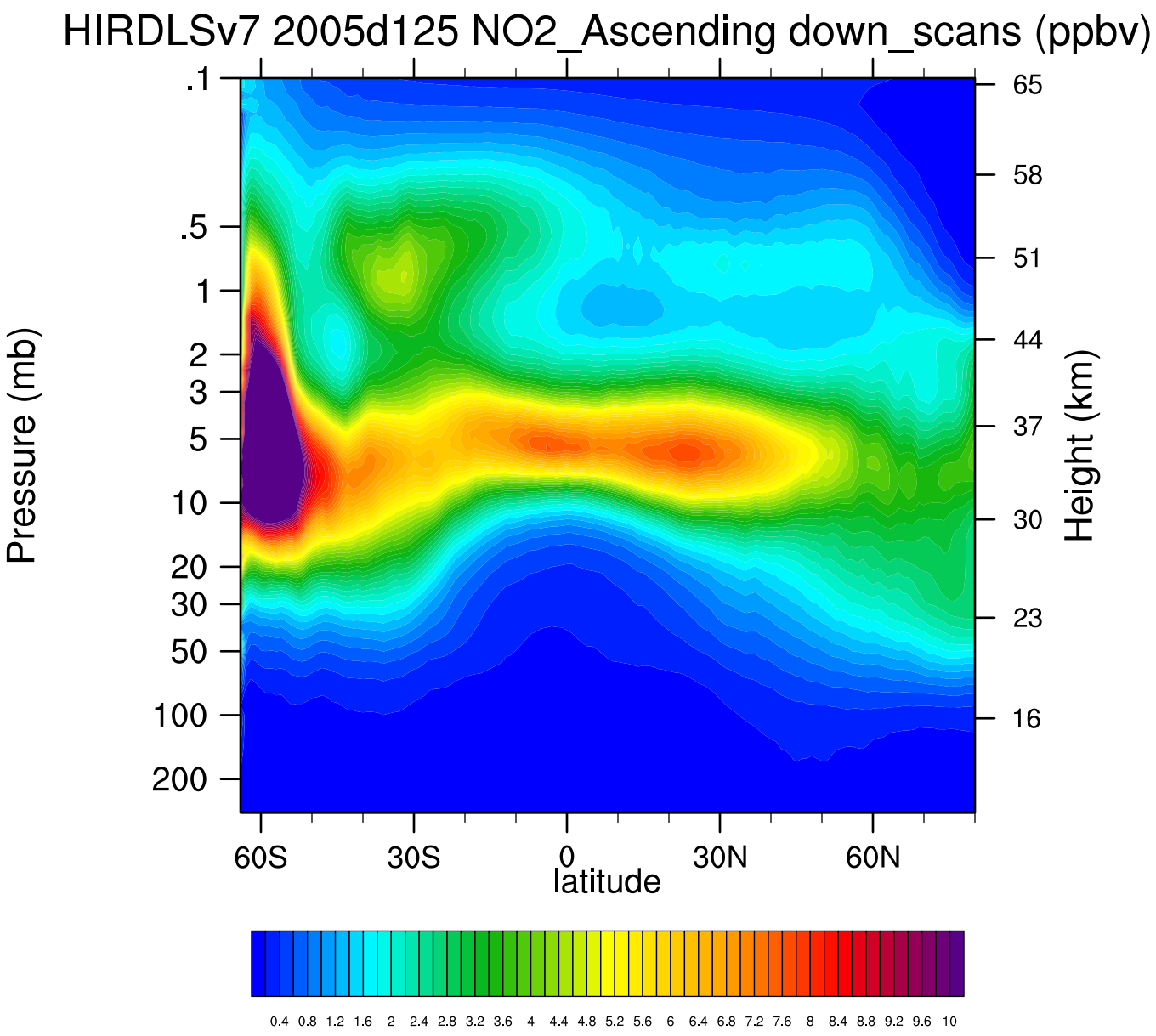

HIRDLSv7 2005d120 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

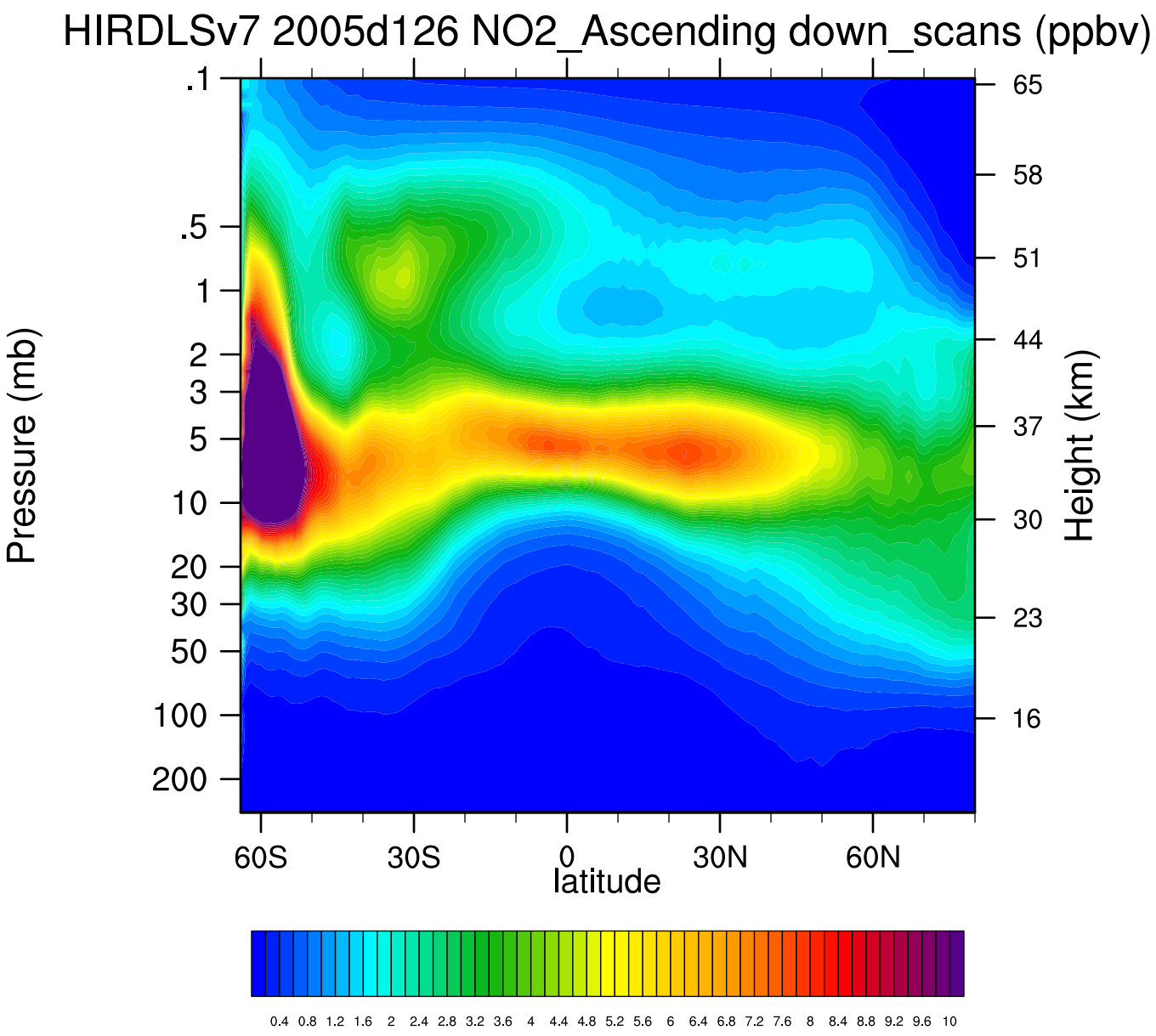

HIRDLSv7 2005d121 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

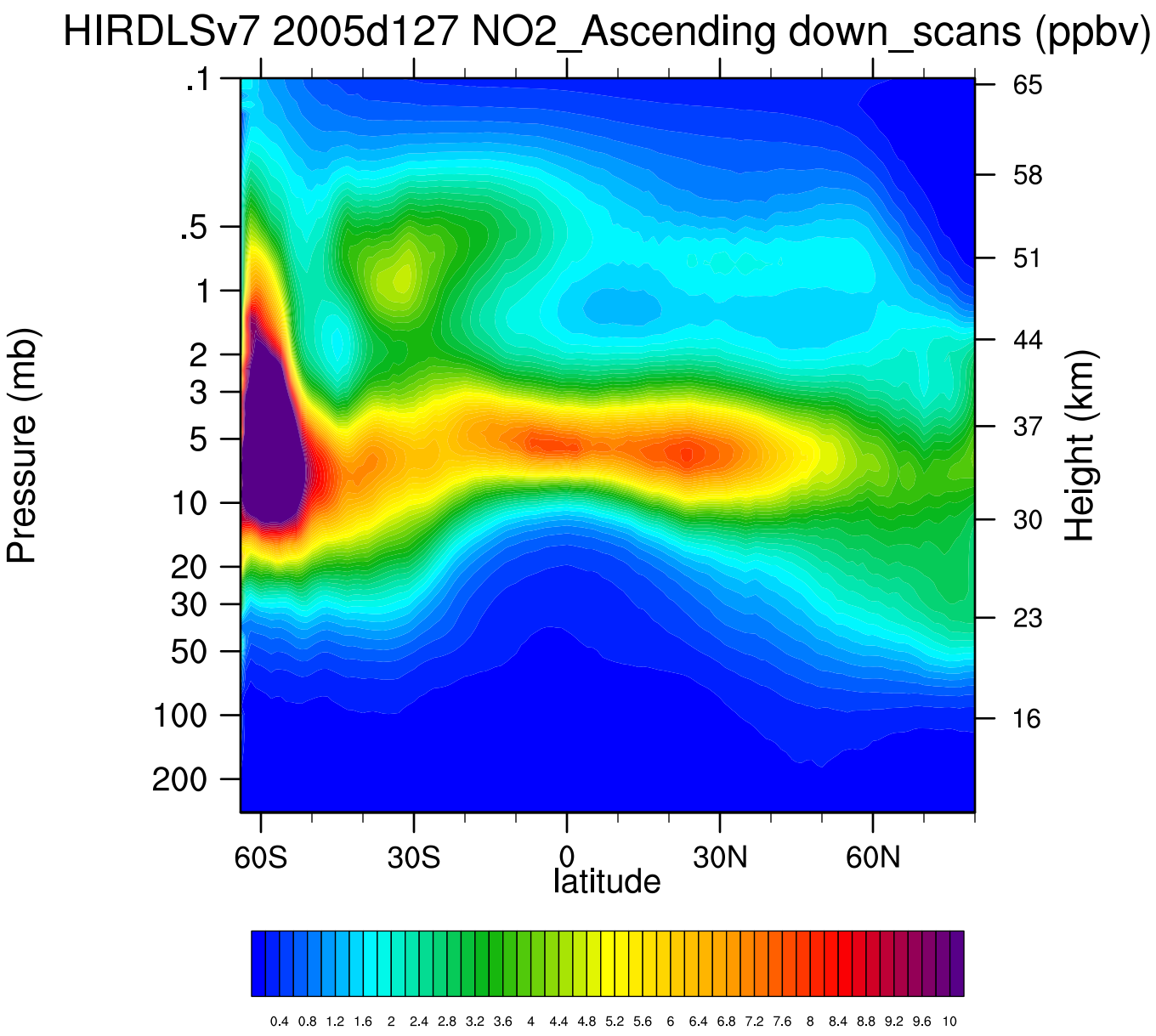

HIRDLSv7 2005d122 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

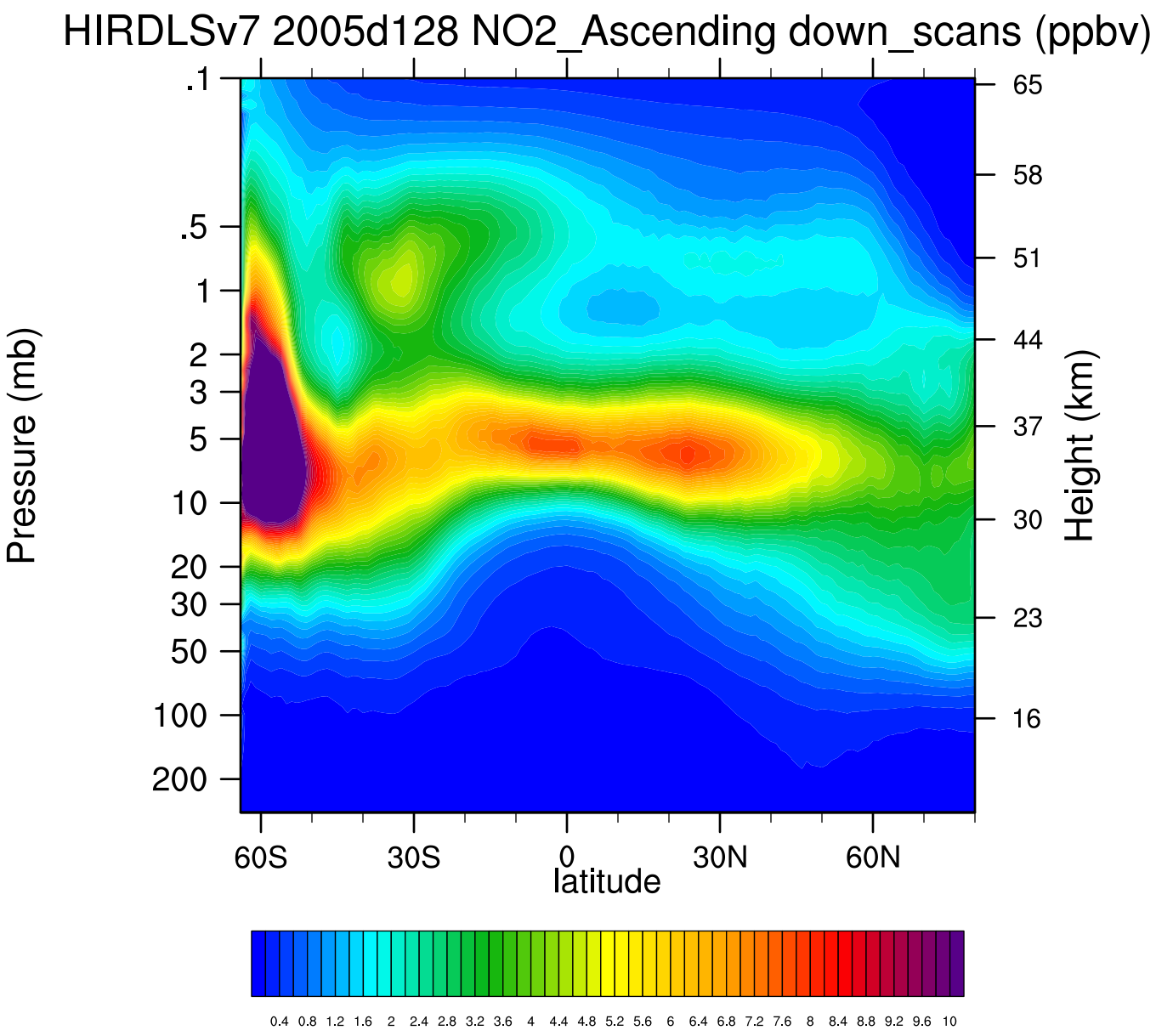

HIRDLSv7 2005d123 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

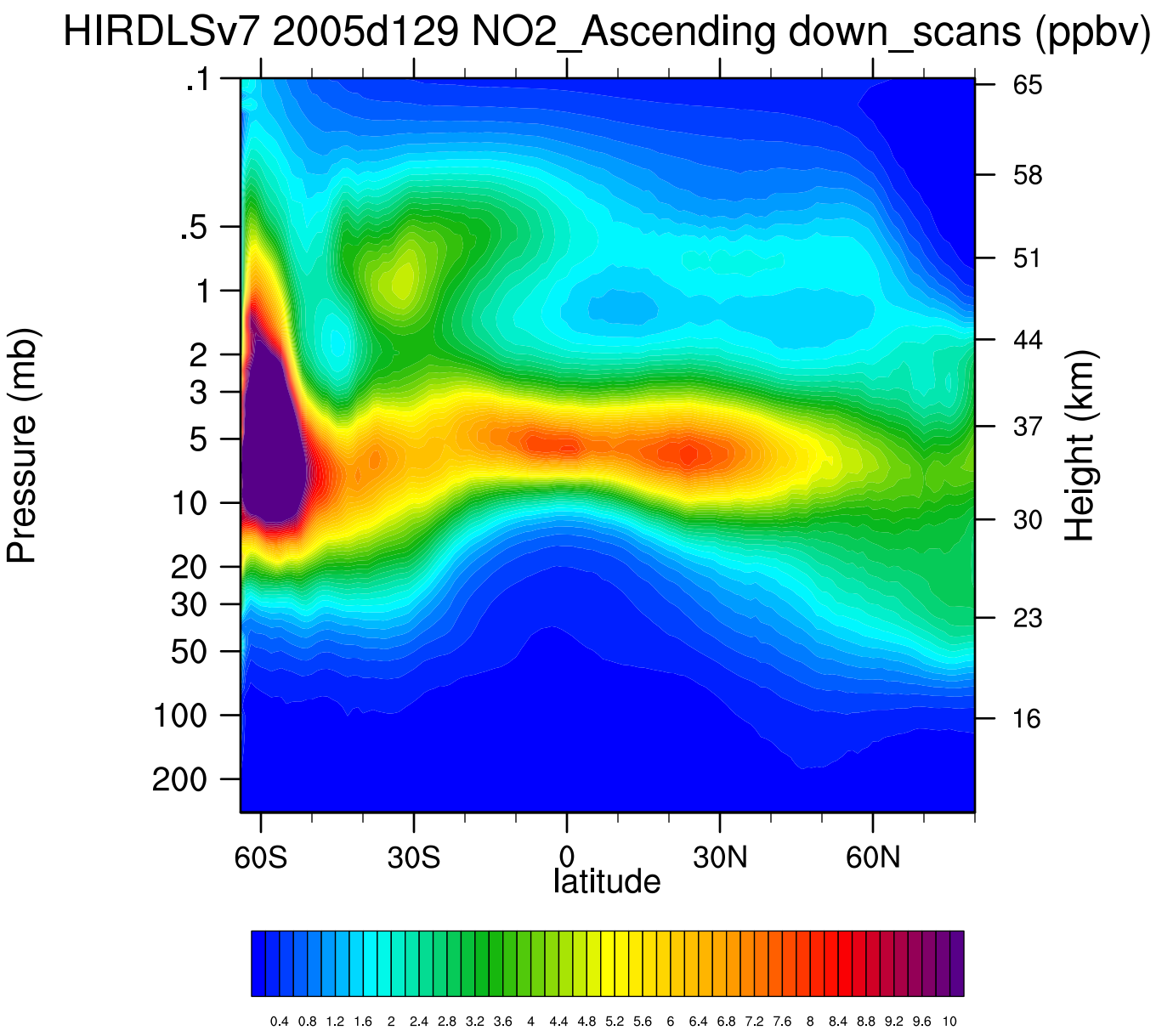

HIRDLSv7 2005d124 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

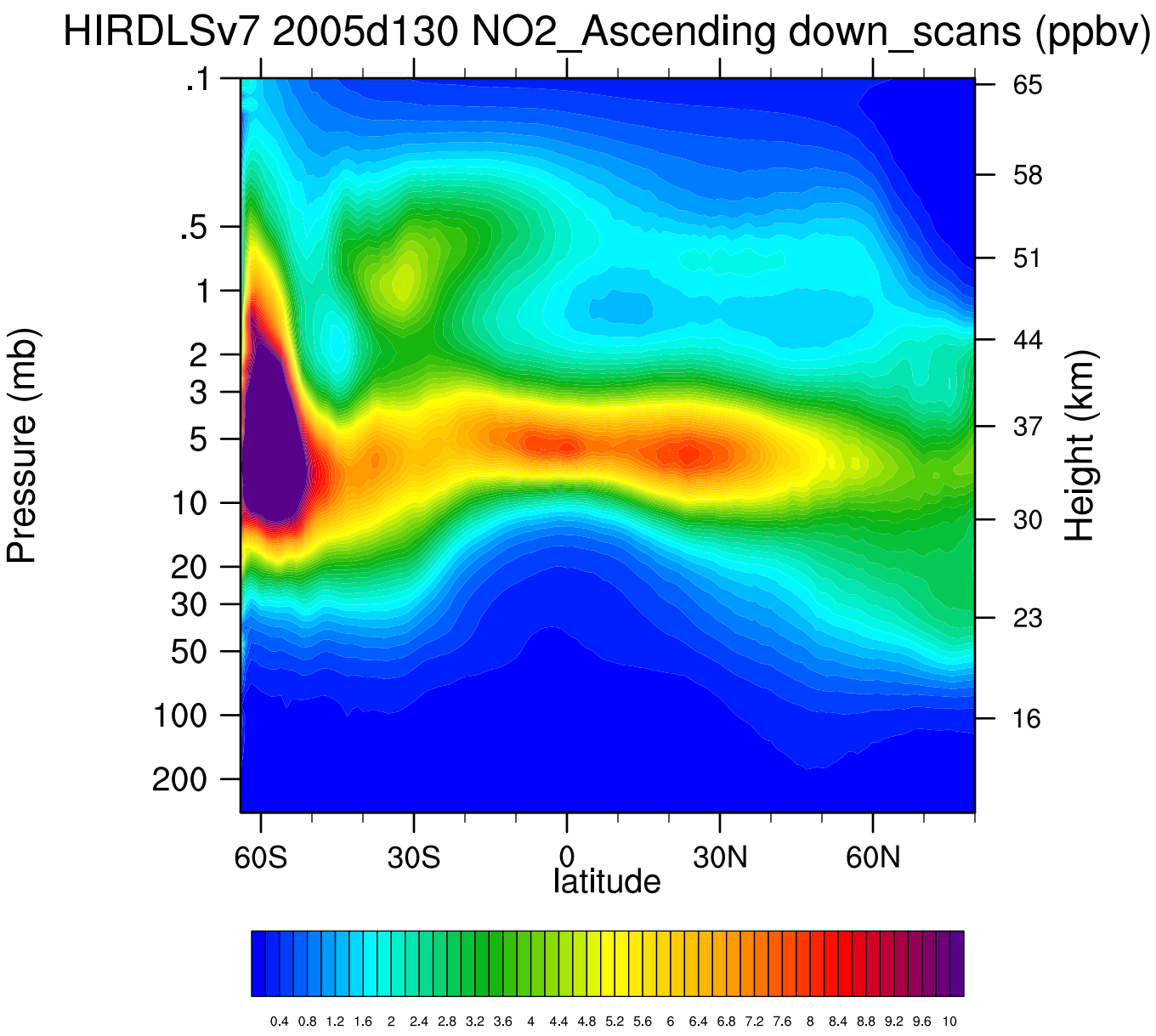

HIRDLSv7 2005d125 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

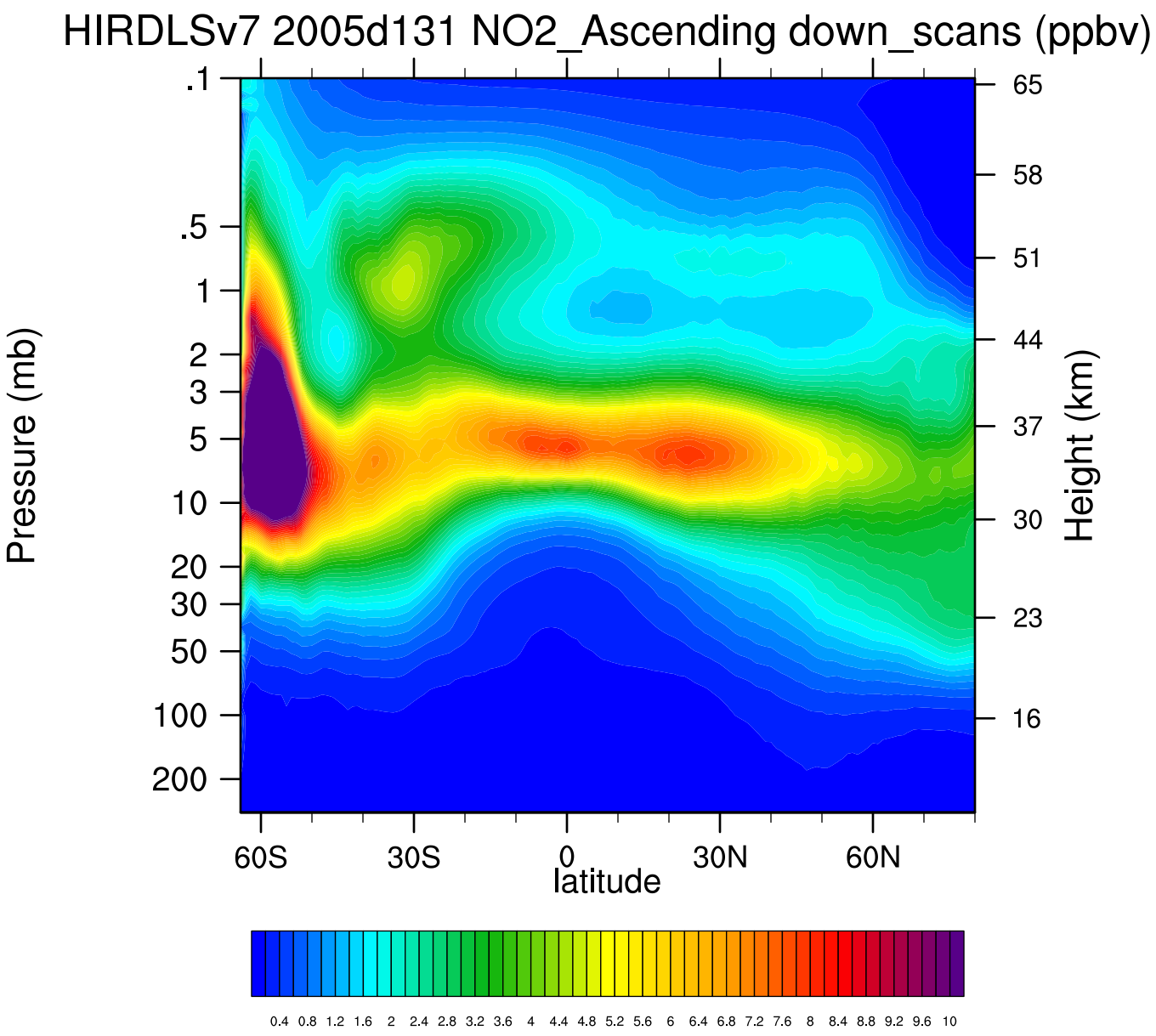

HIRDLSv7 2005d126 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

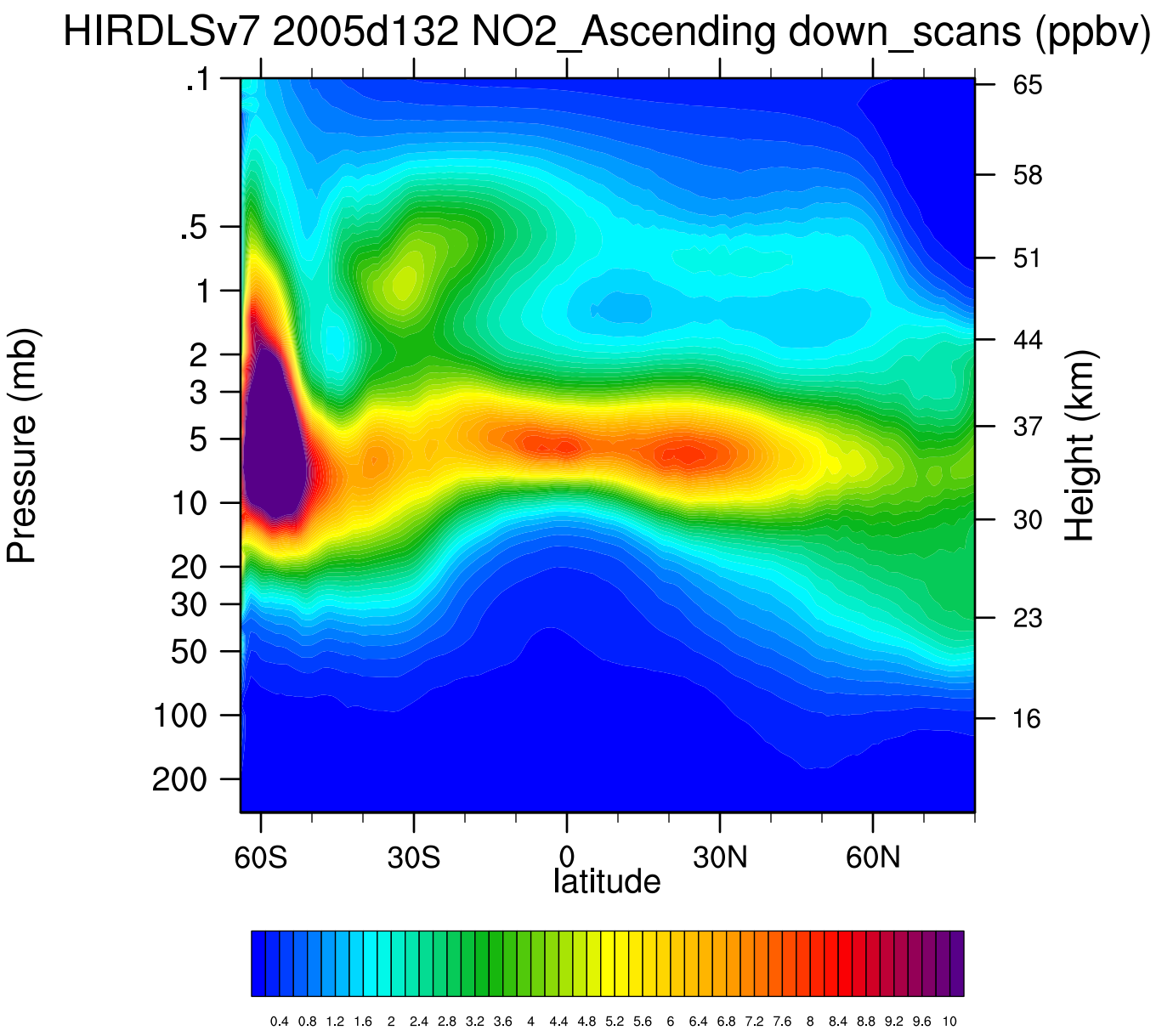

HIRDLSv7 2005d127 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

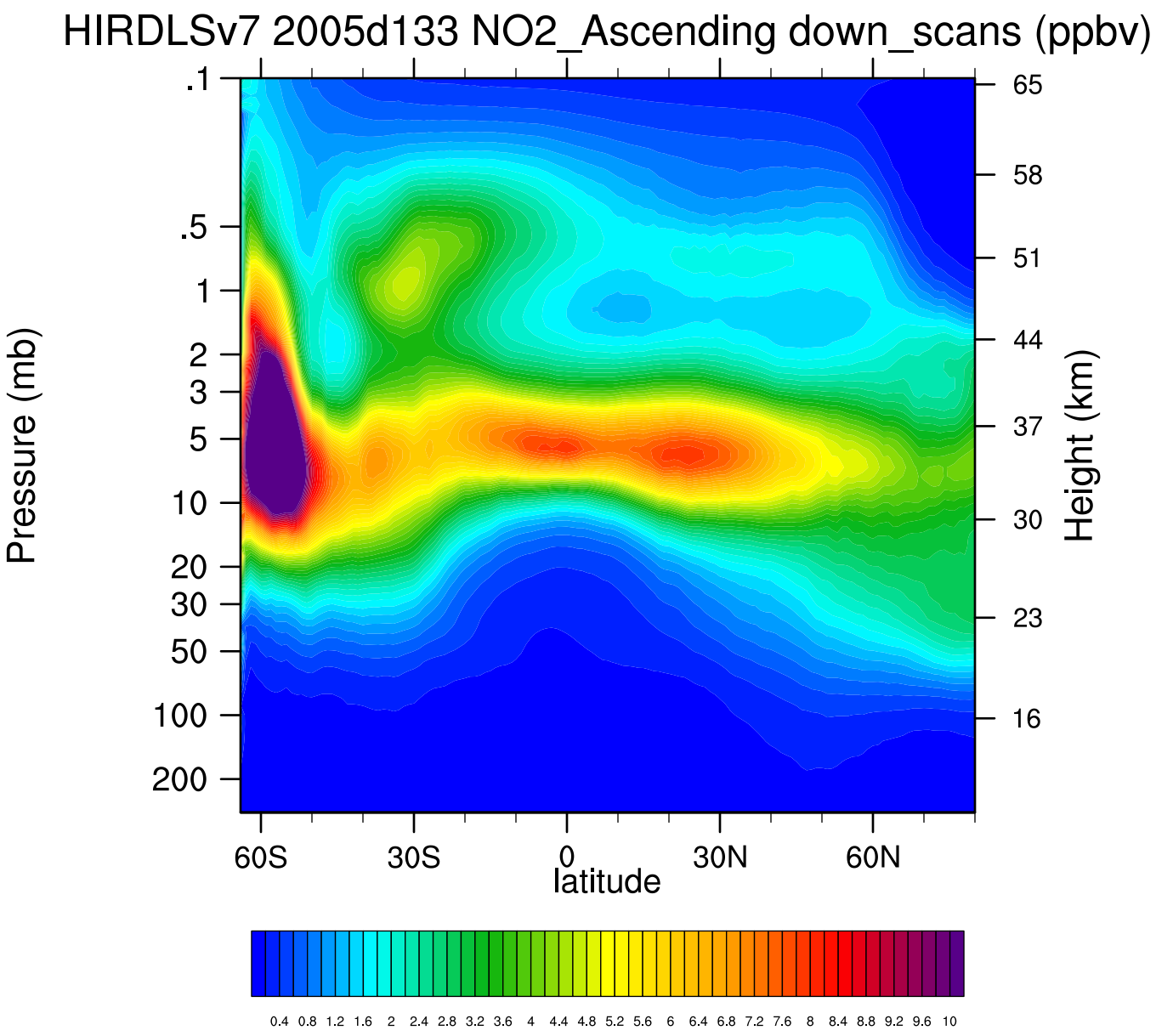

HIRDLSv7 2005d128 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

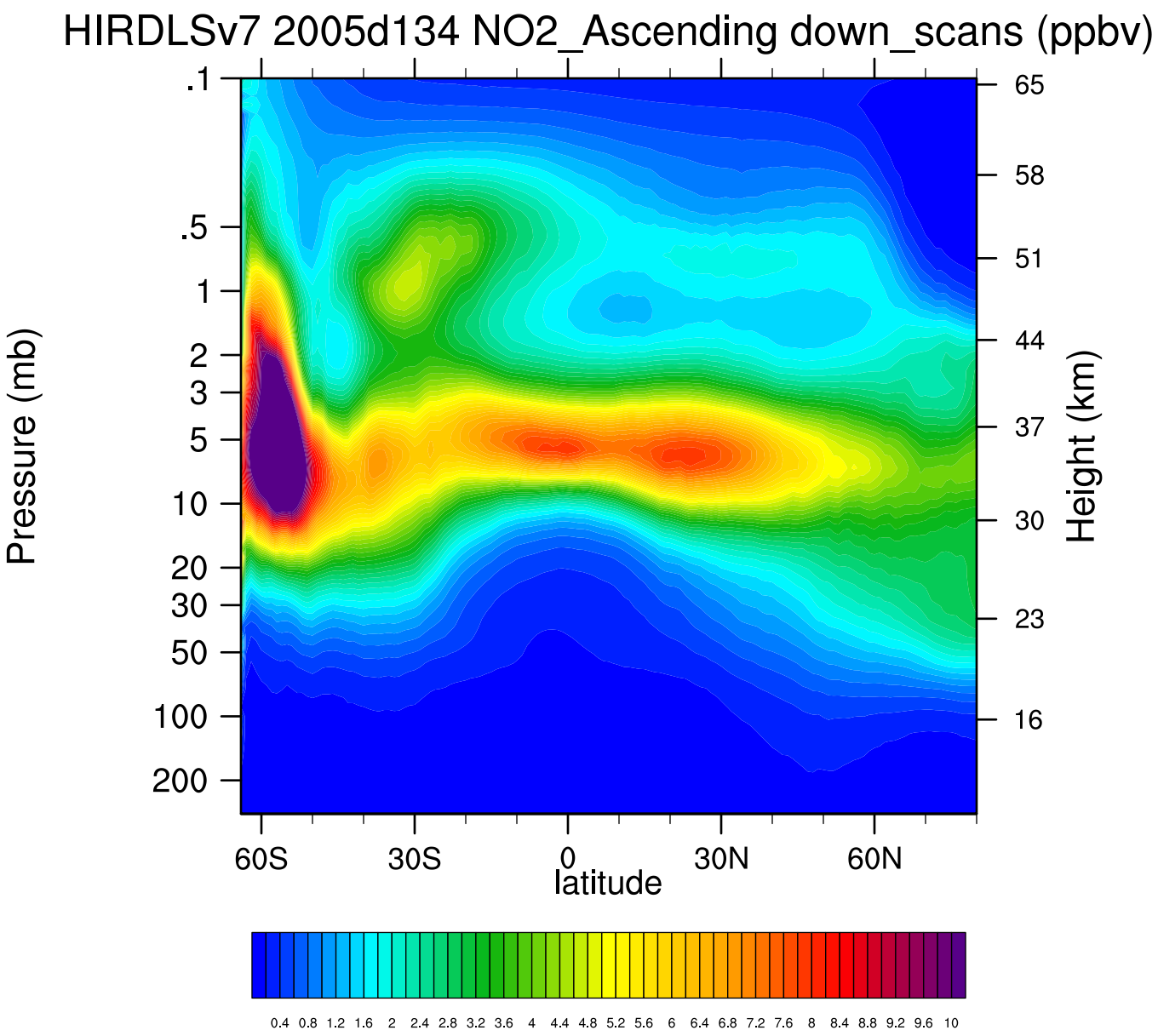

HIRDLSv7 2005d129 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

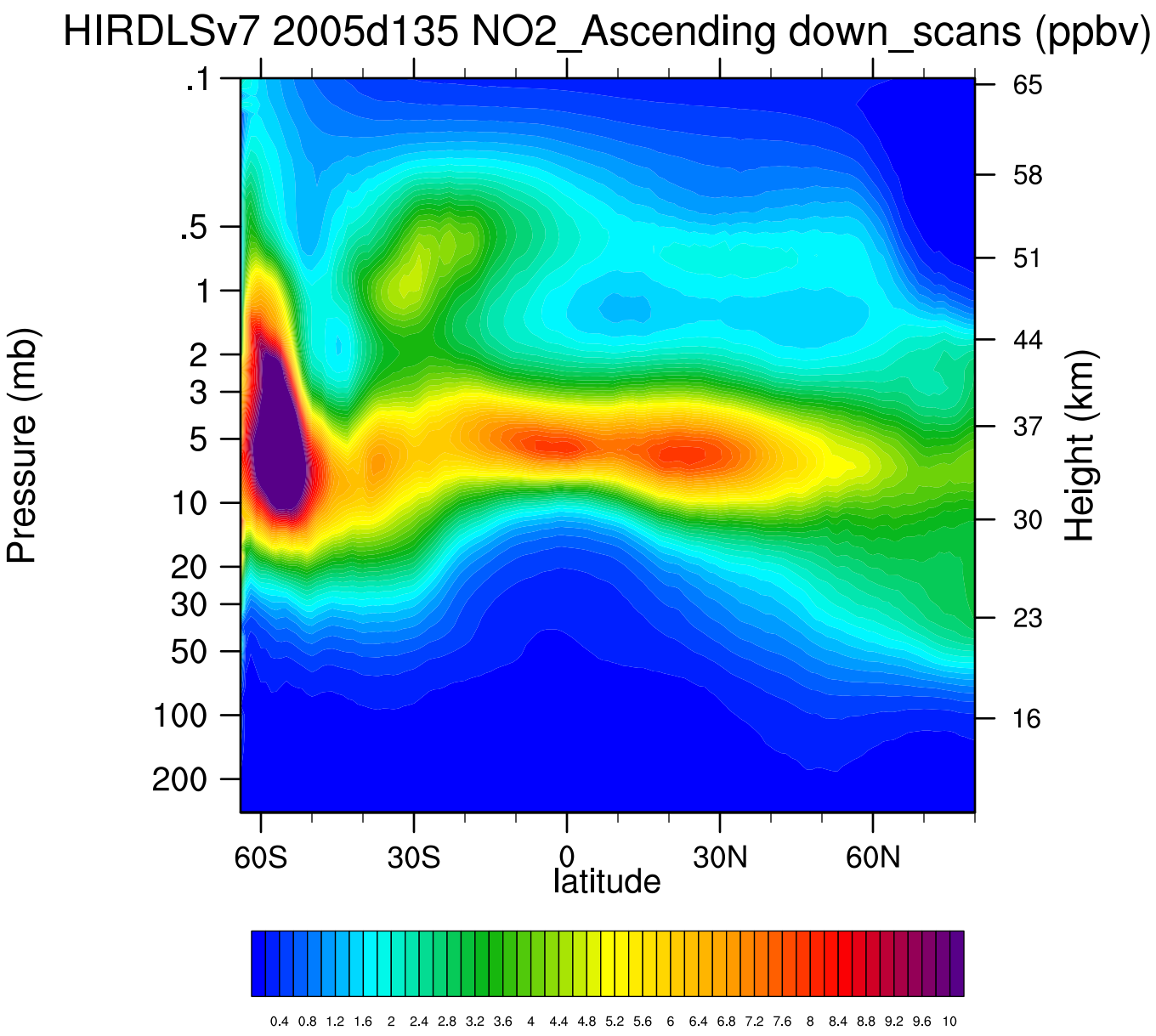

HIRDLSv7 2005d130 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

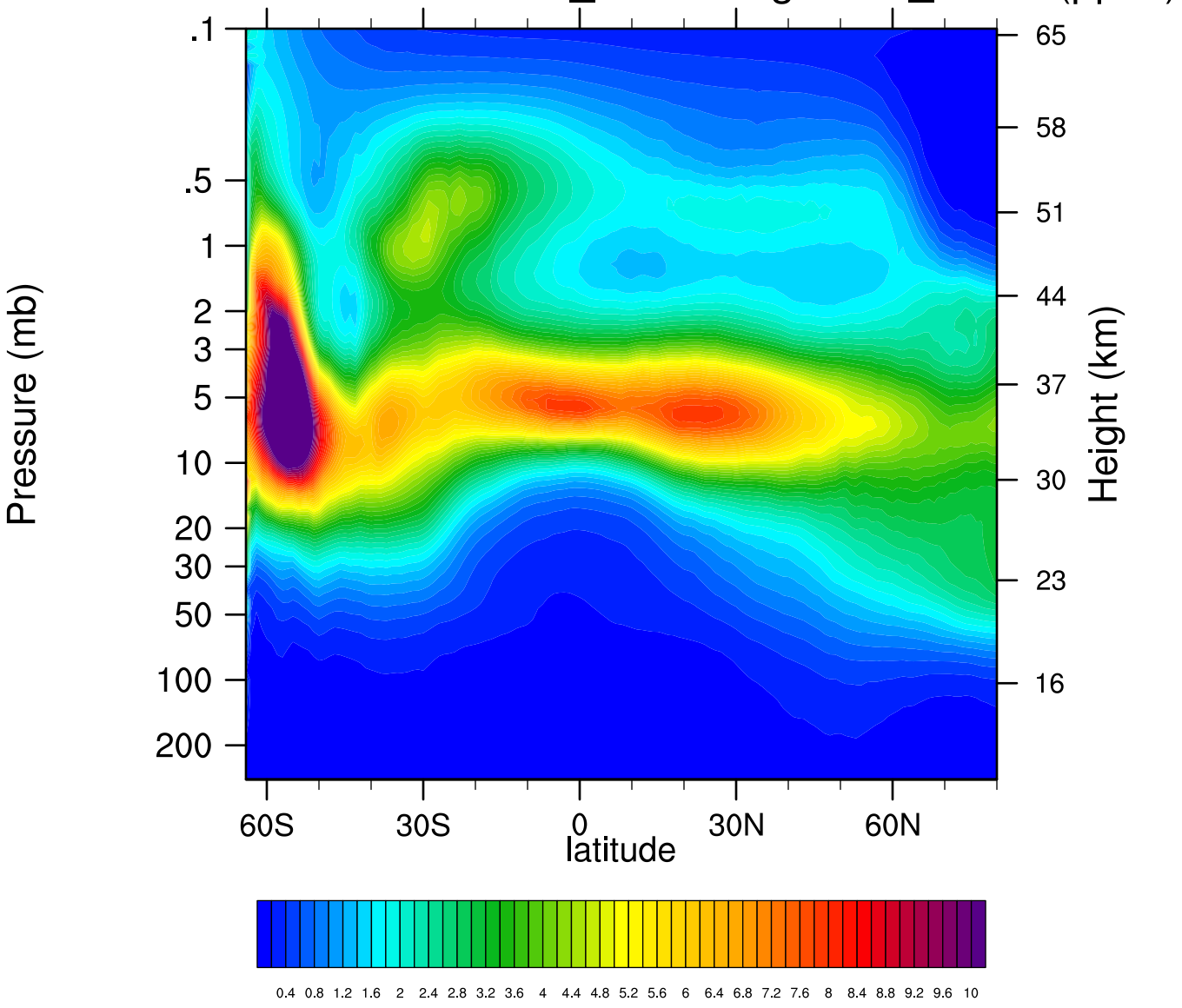

HIRDLSv7 2005d131 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

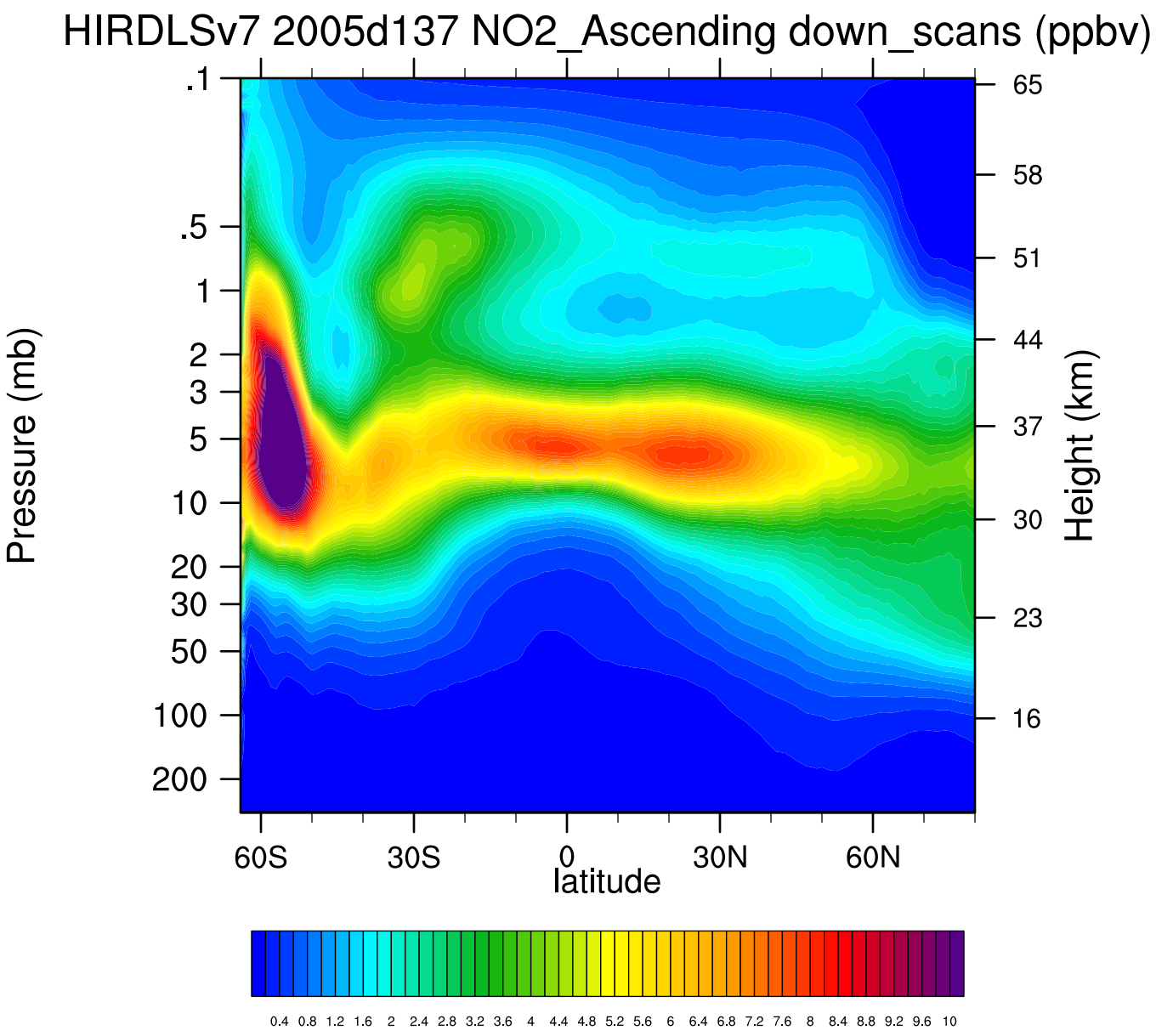

HIRDLSv7 2005d132 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

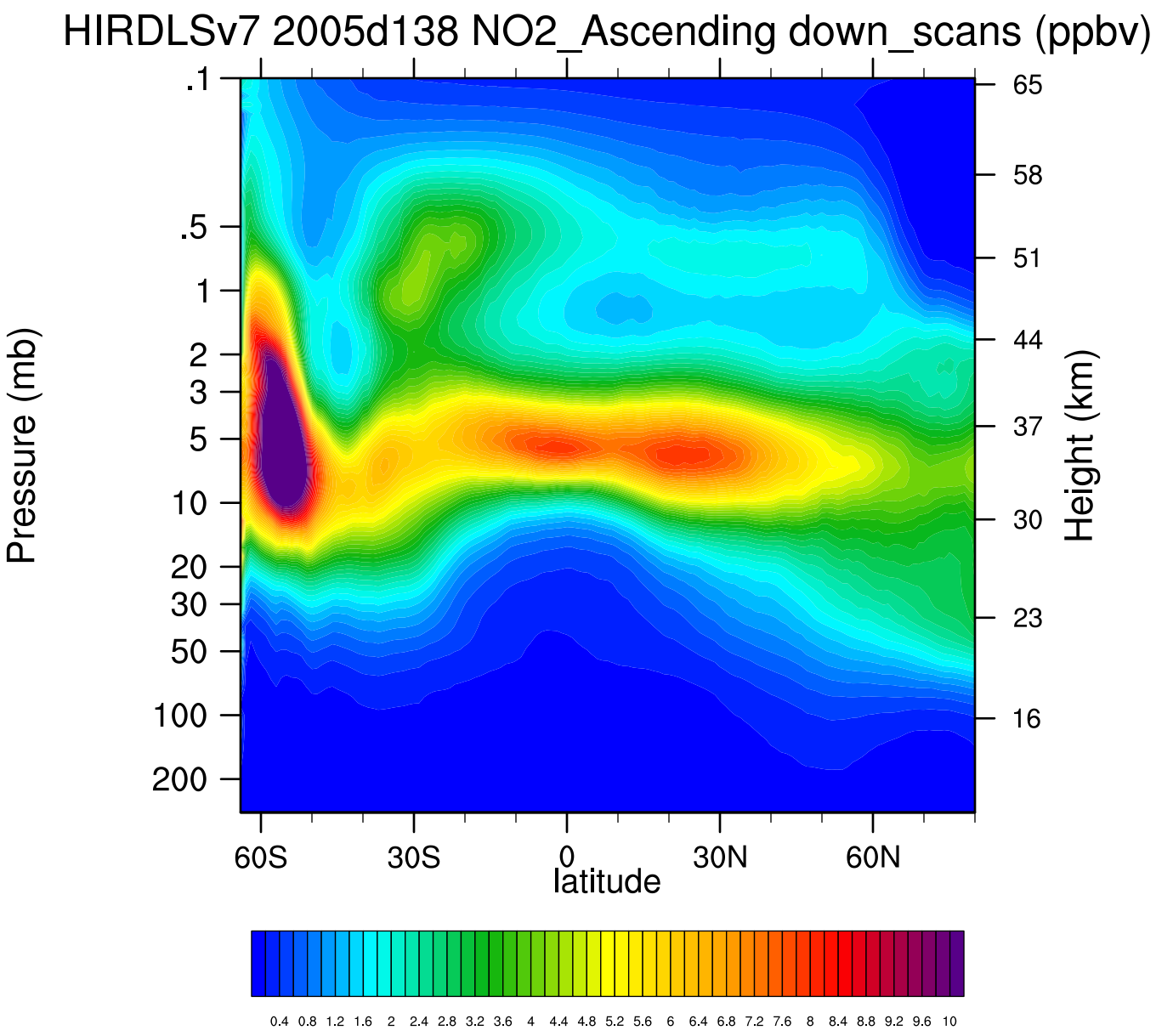

HIRDLSv7 2005d133 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

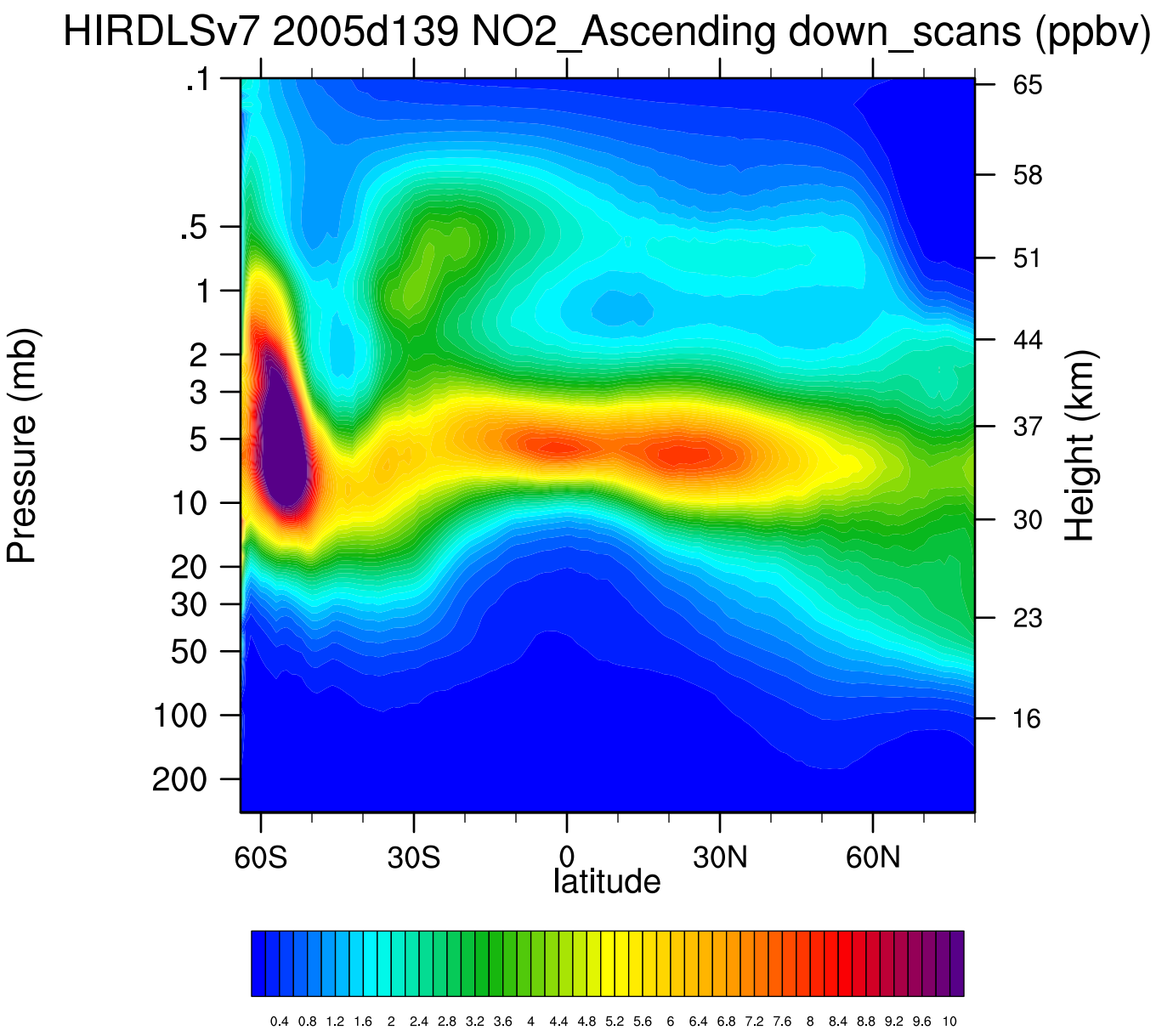

HIRDLSv7 2005d134 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

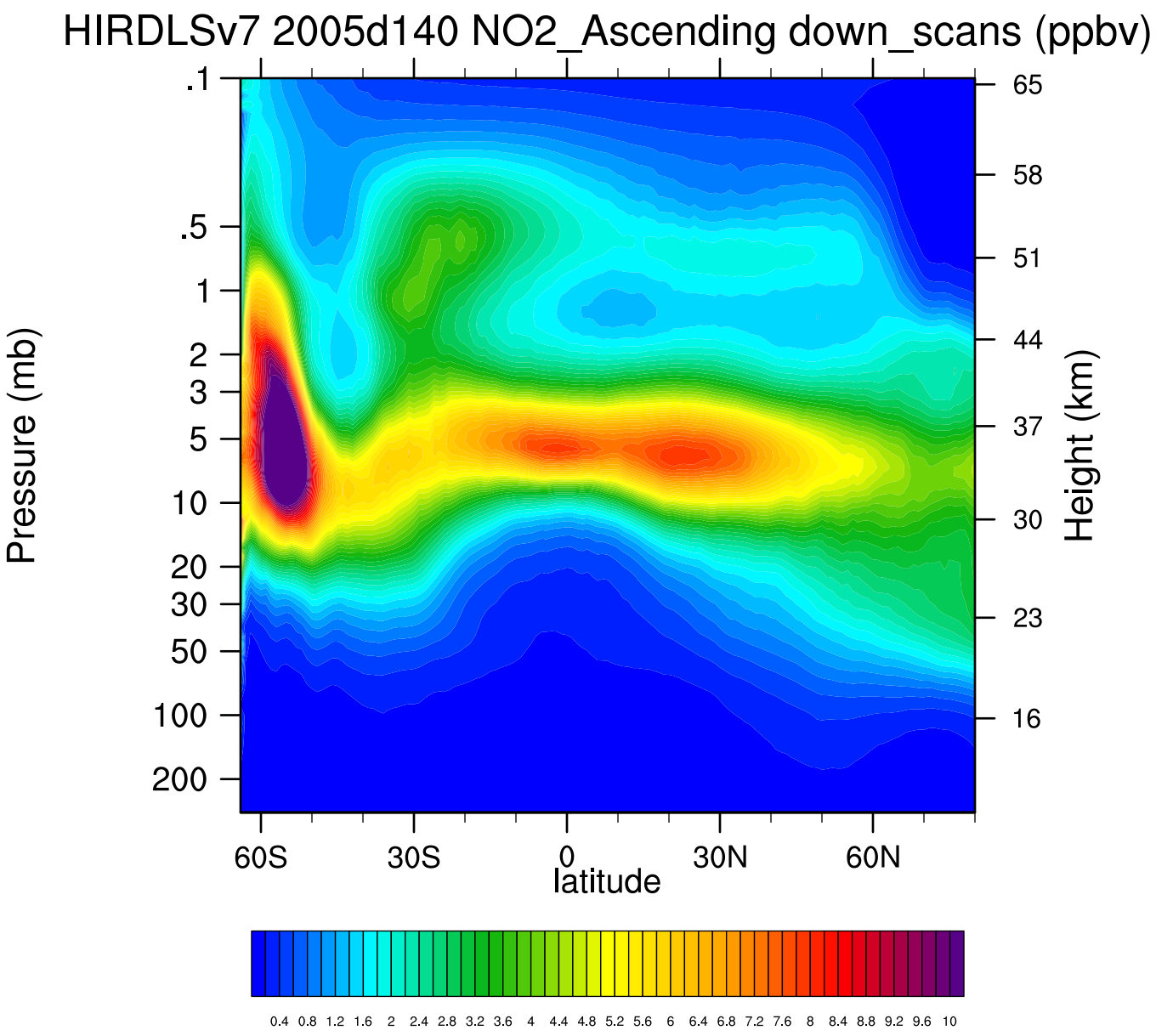

HIRDLSv7 2005d135 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

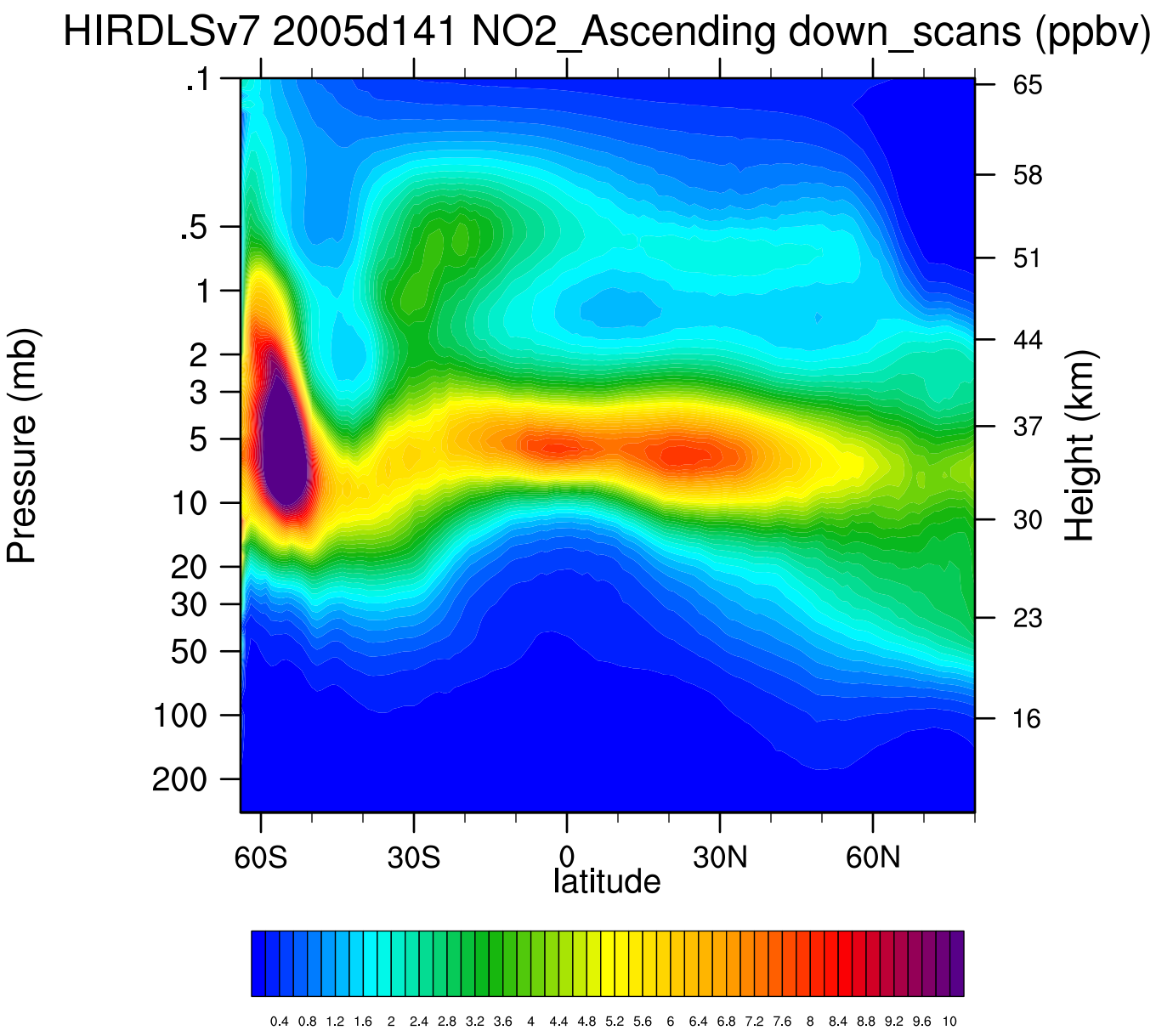

HIRDLSv7 2005d136 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

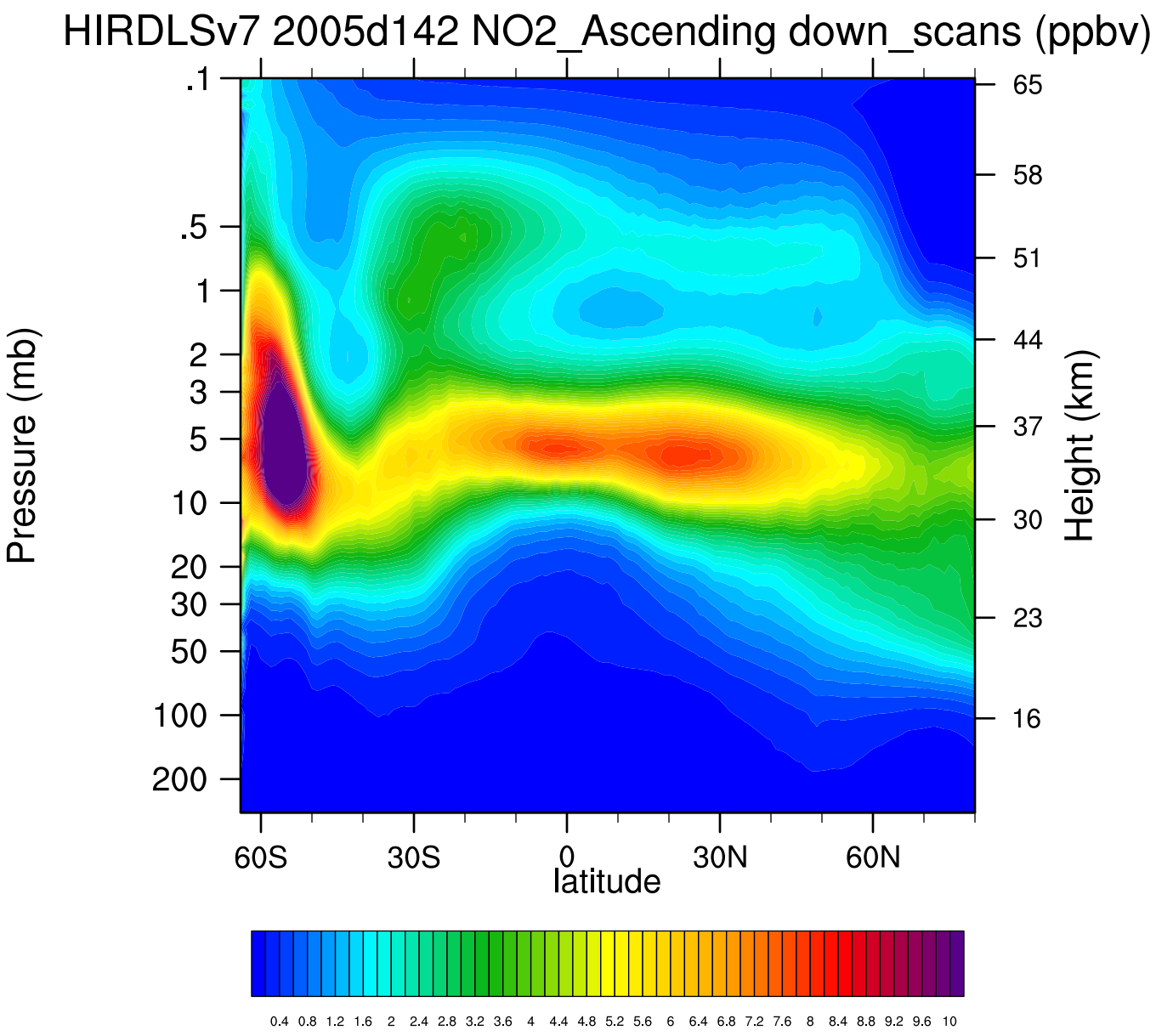

HIRDLSv7 2005d137 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

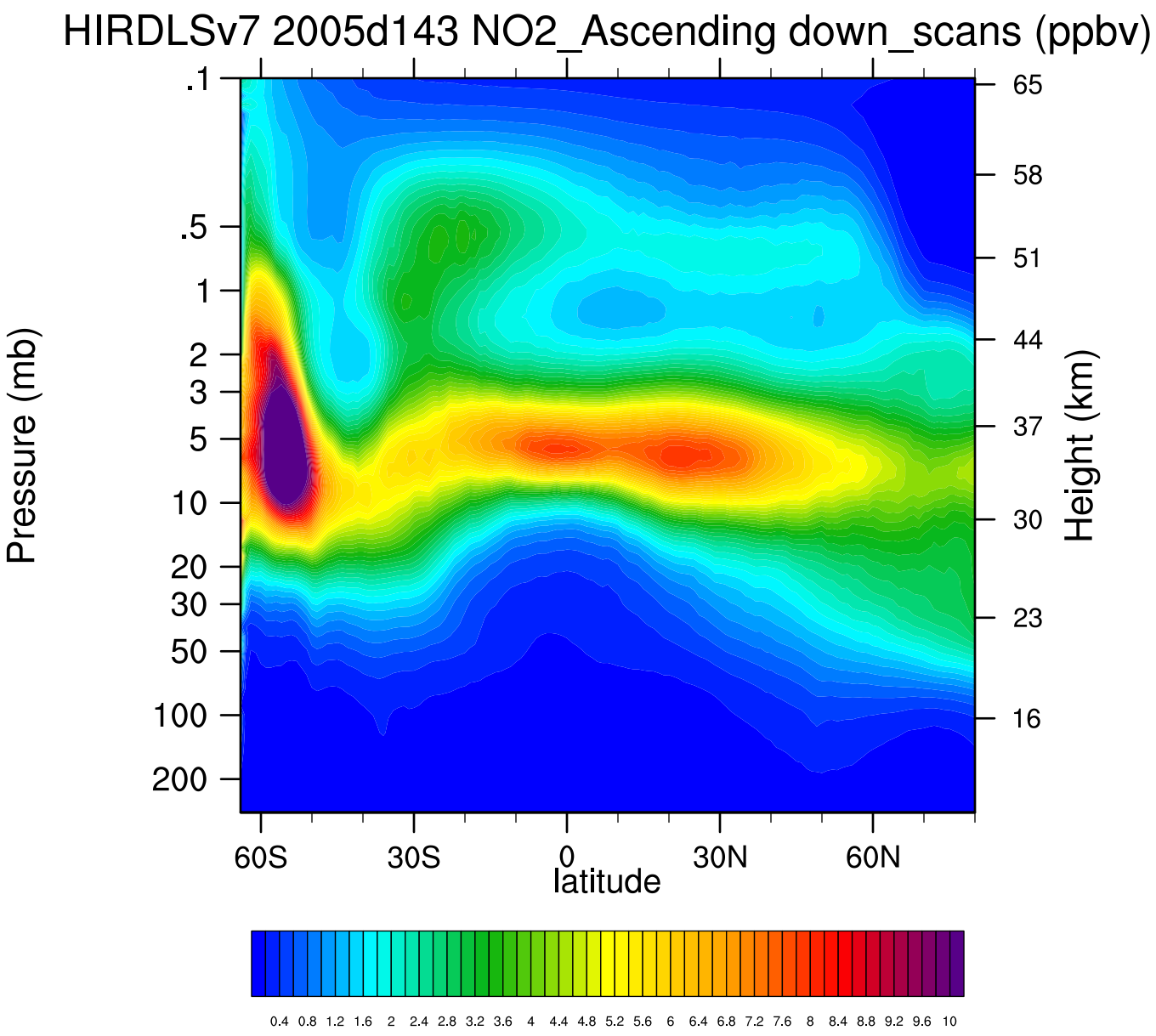

HIRDLSv7 2005d138 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

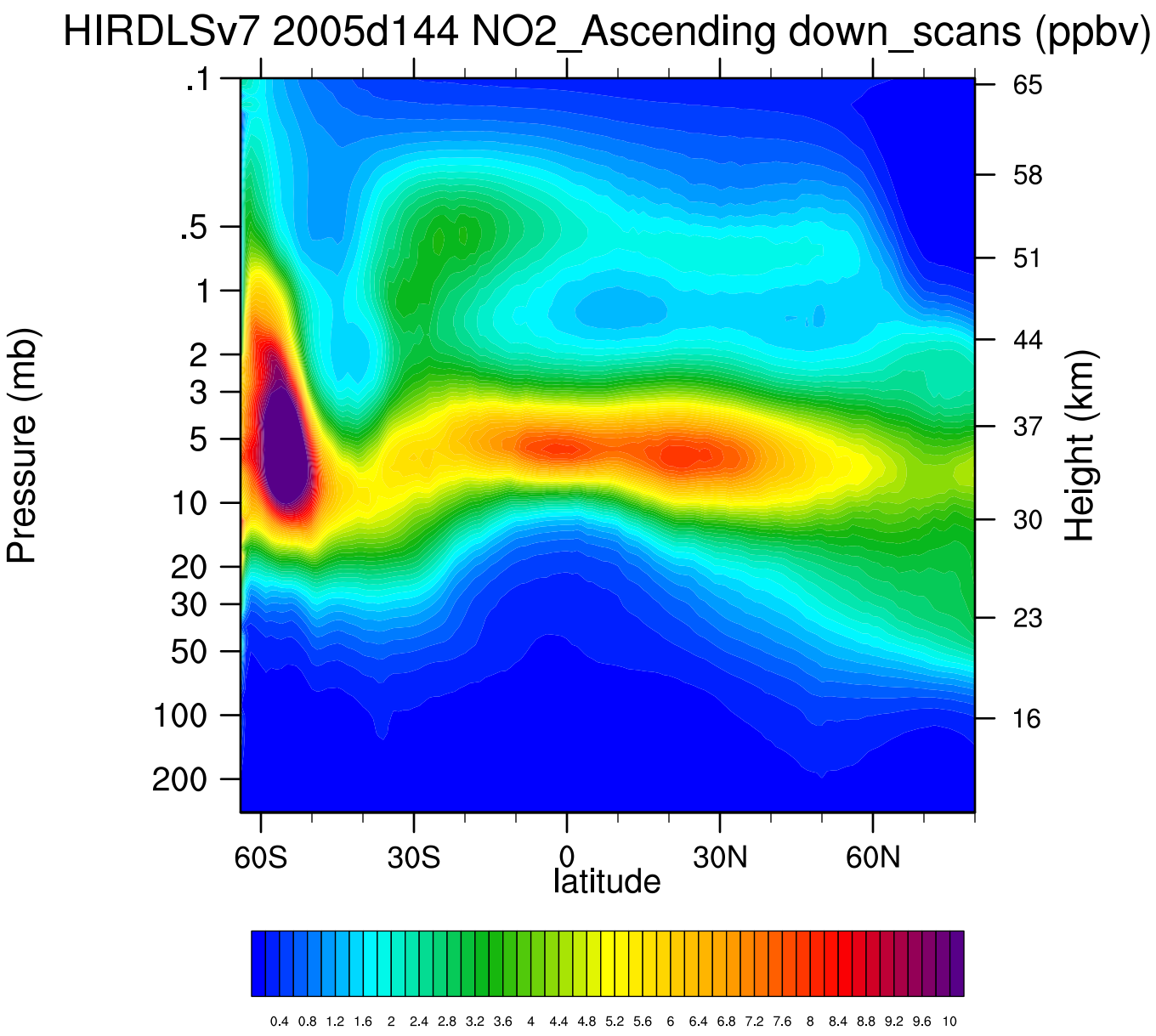

HIRDLSv7 2005d139 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

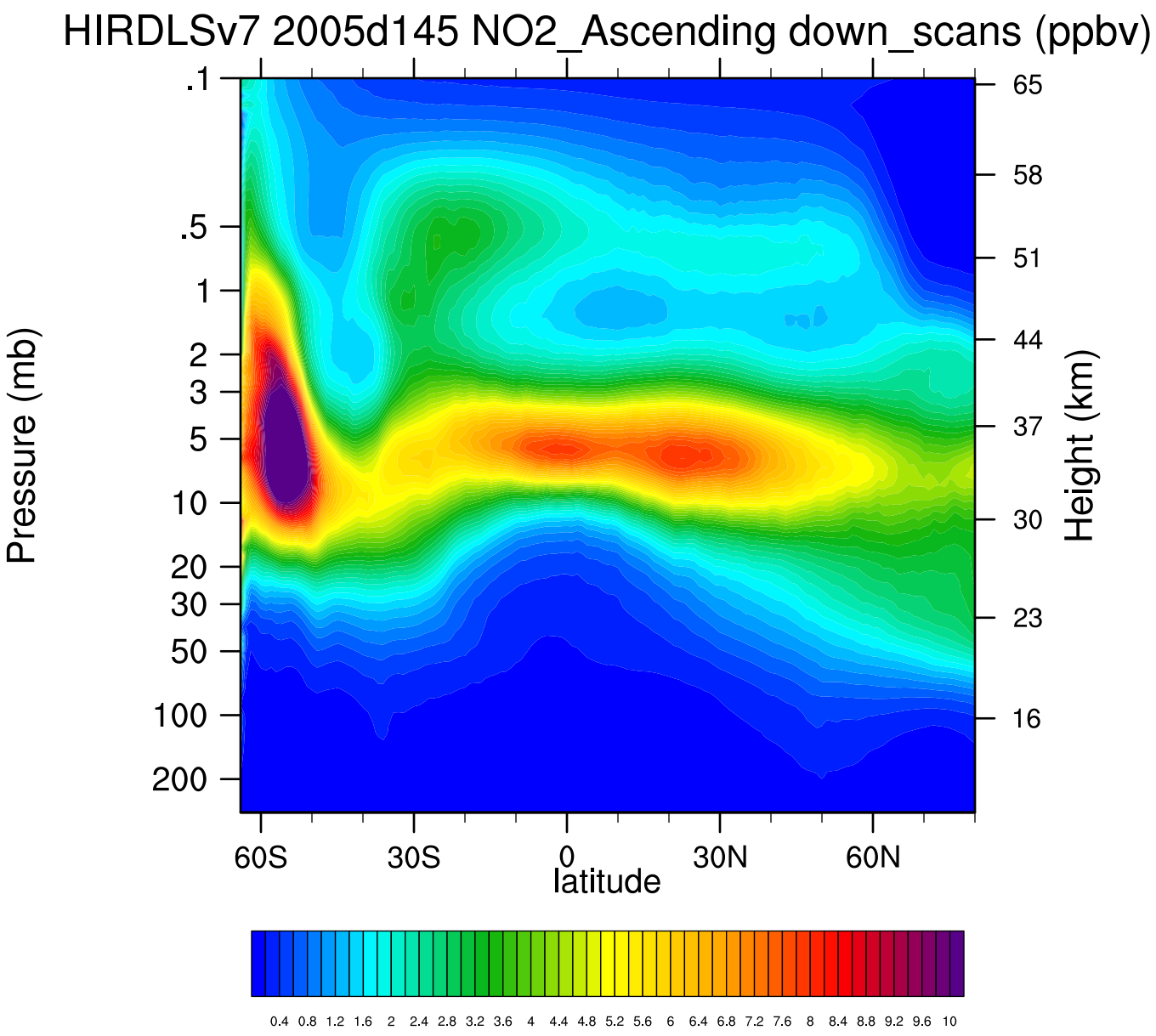

HIRDLSv7 2005d140 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

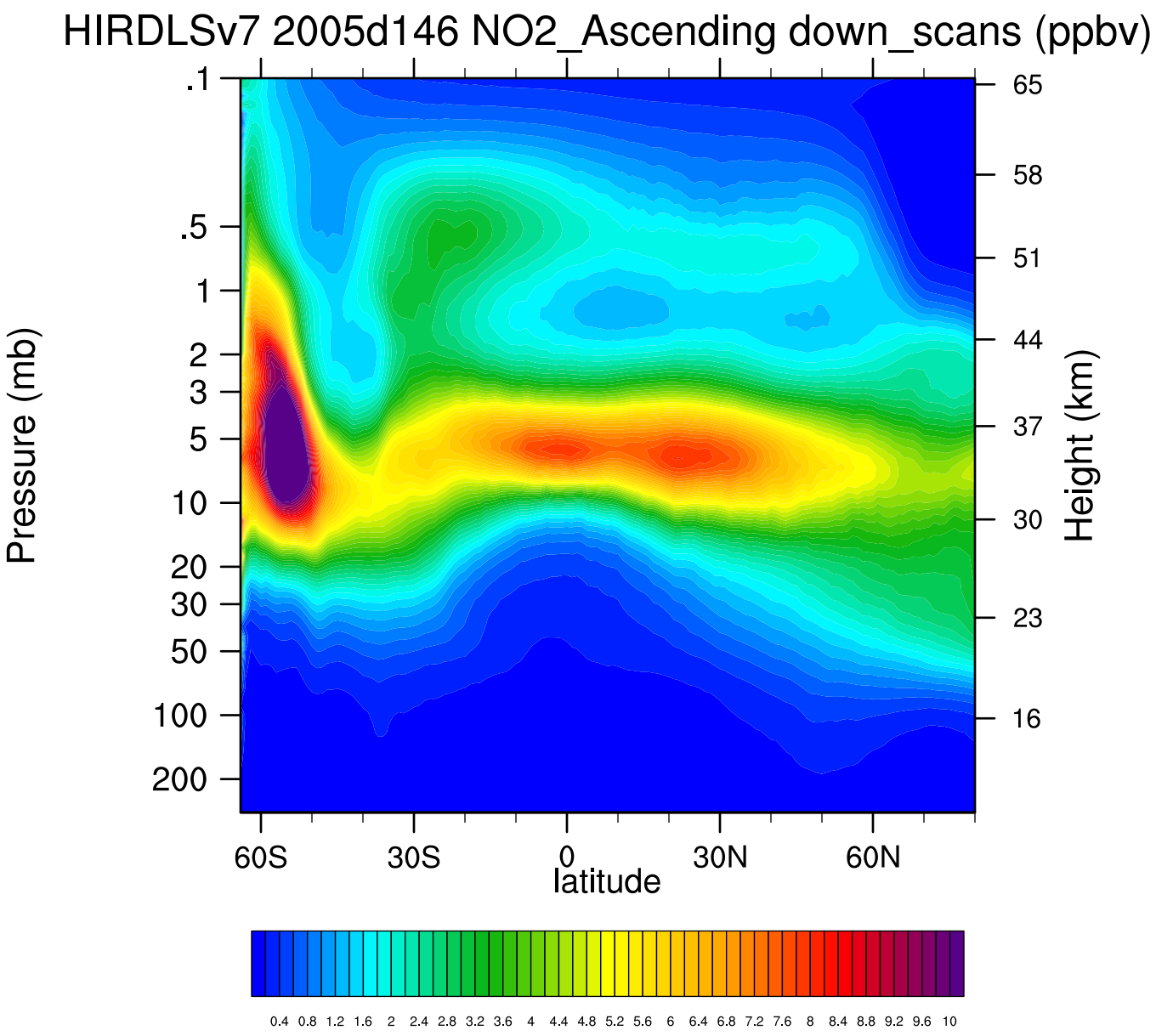

HIRDLSv7 2005d141 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

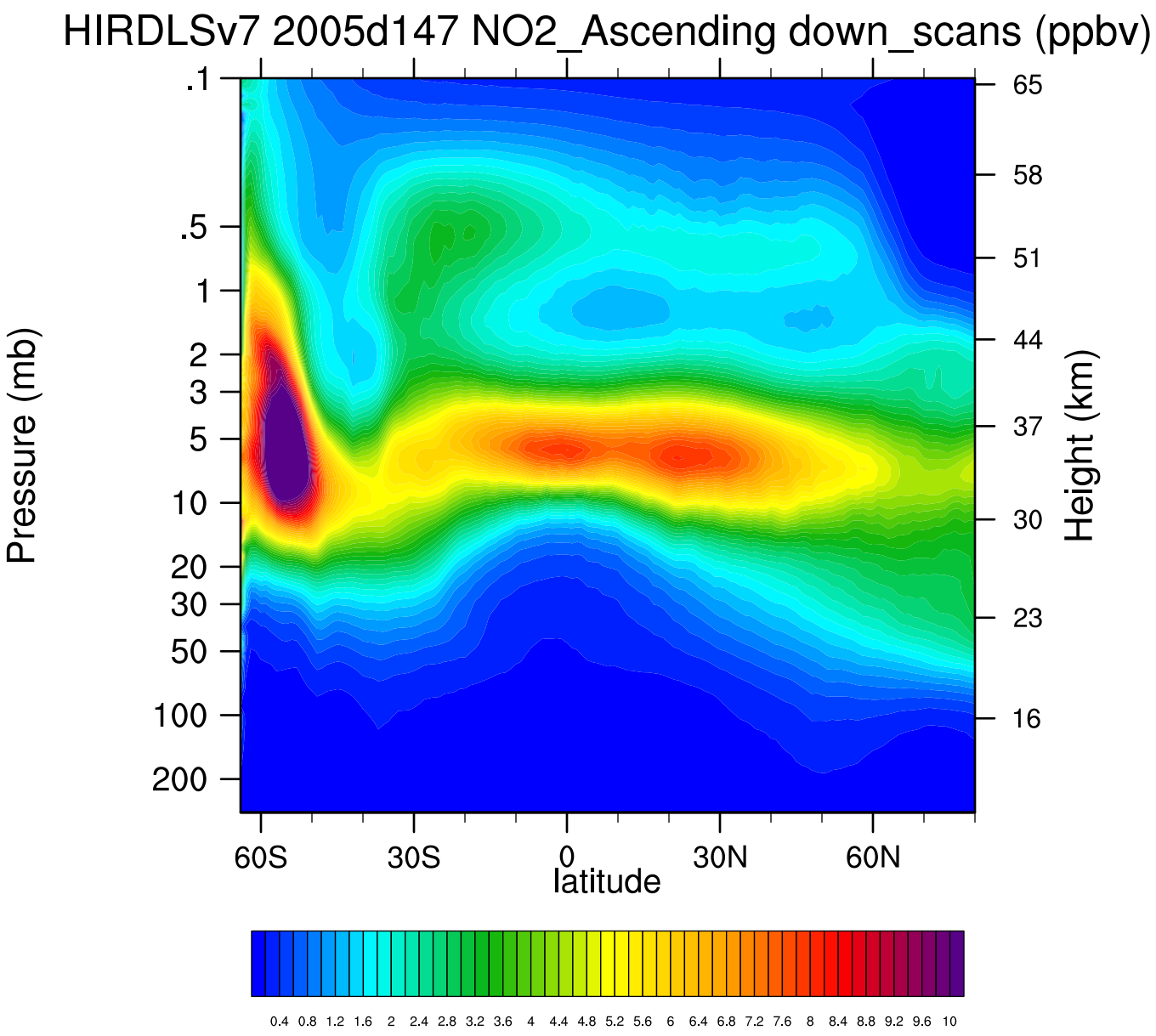

HIRDLSv7 2005d142 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

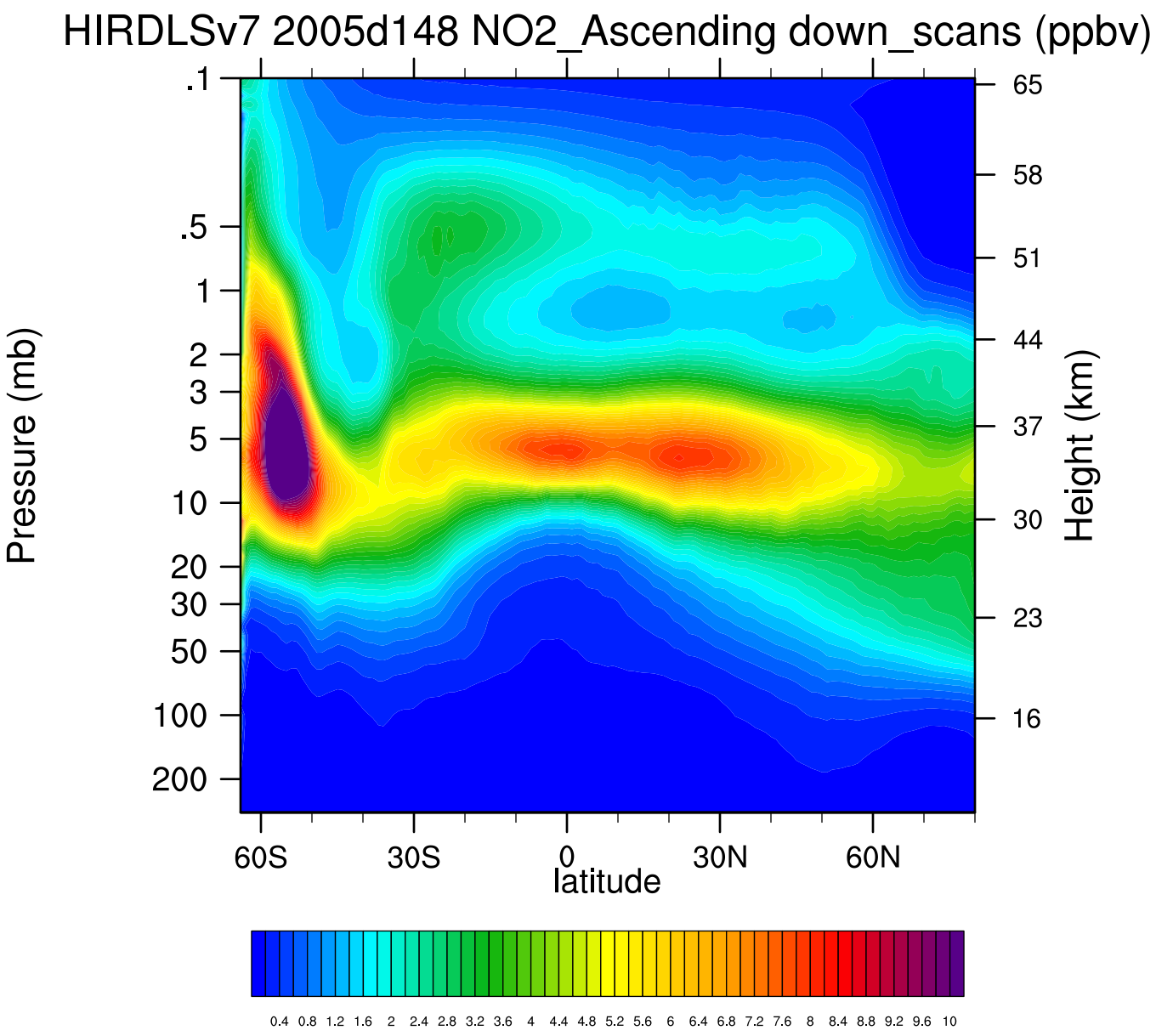

HIRDLSv7 2005d143 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

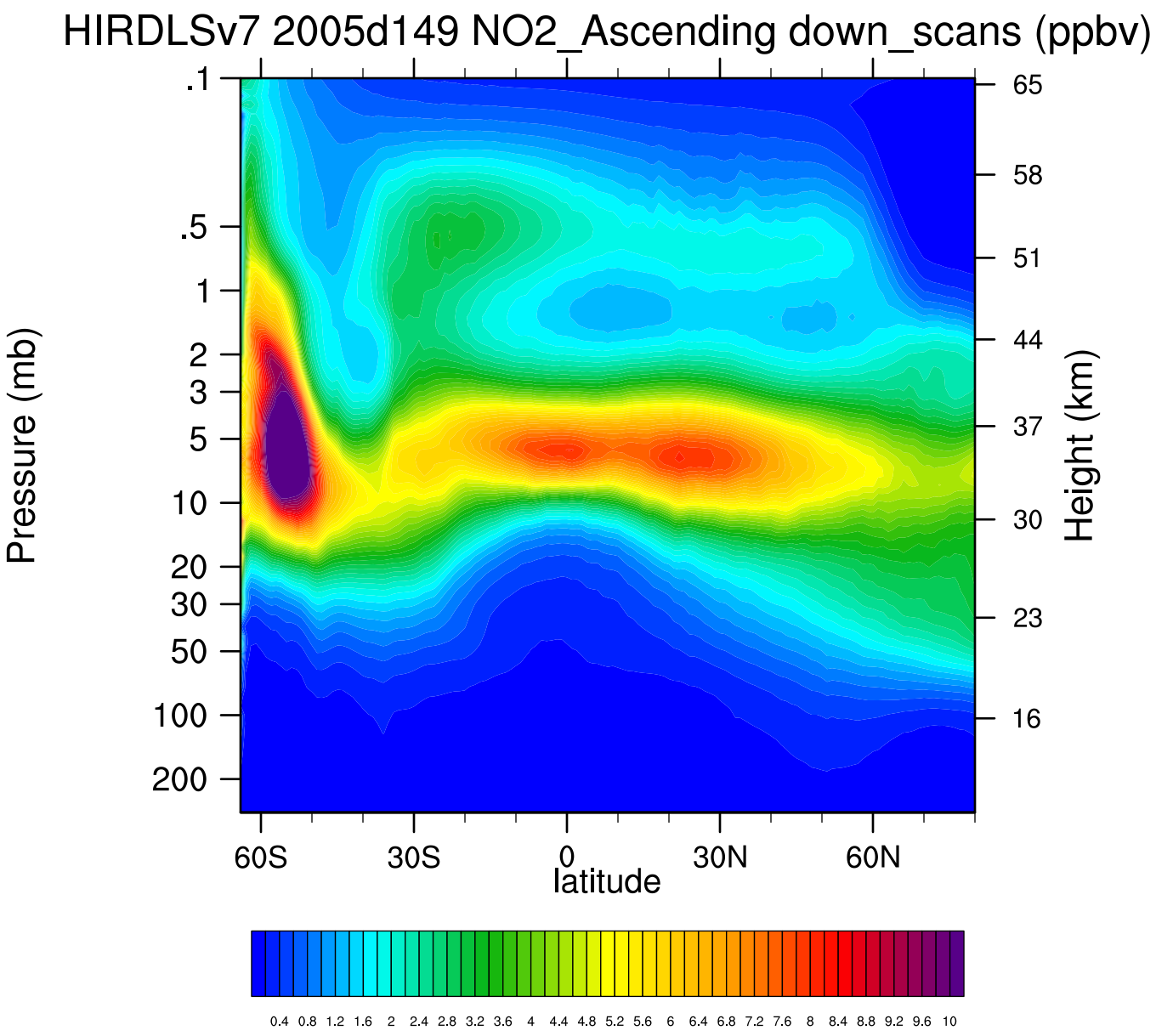

HIRDLSv7 2005d144 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

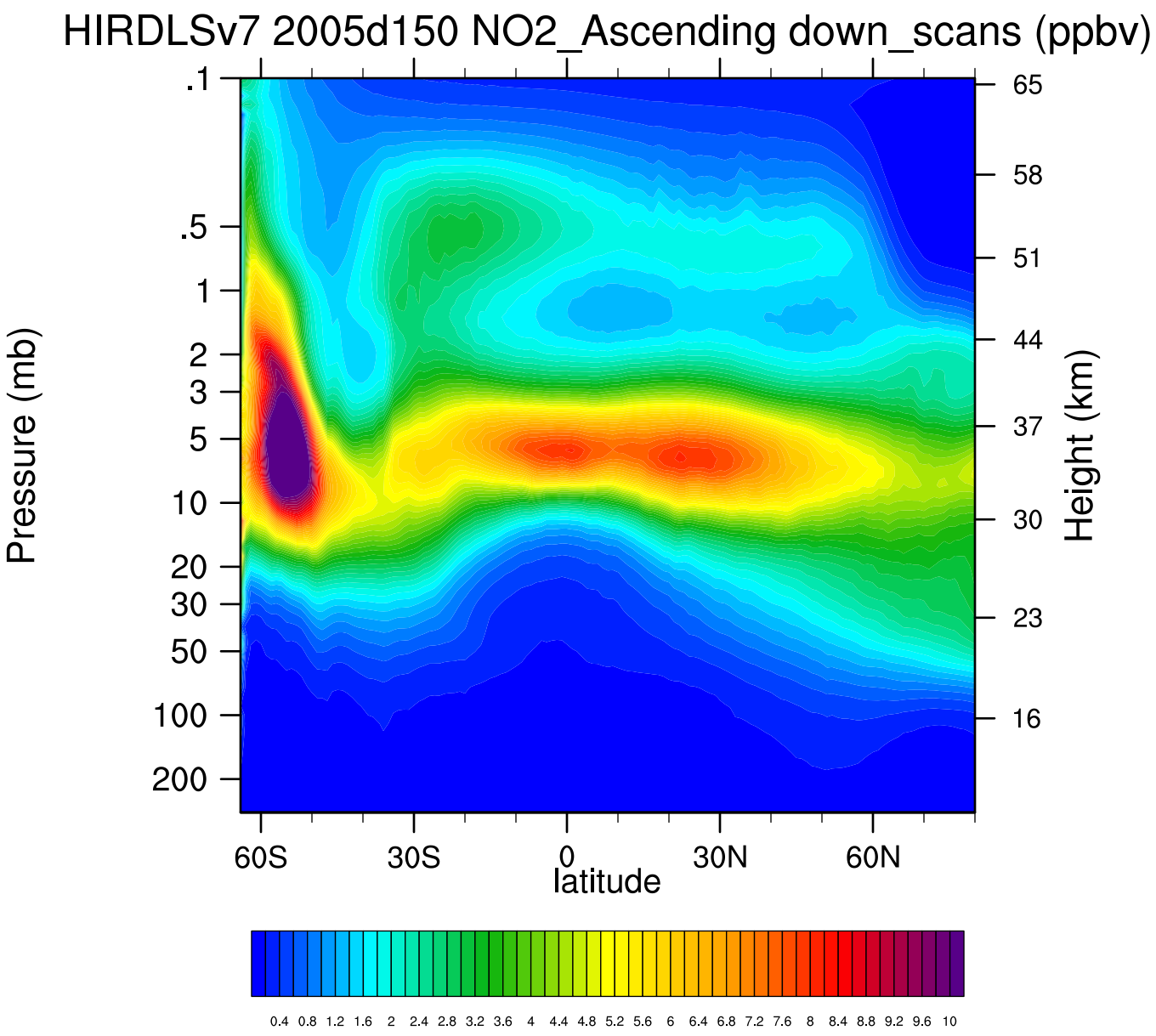

HIRDLSv7 2005d145 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

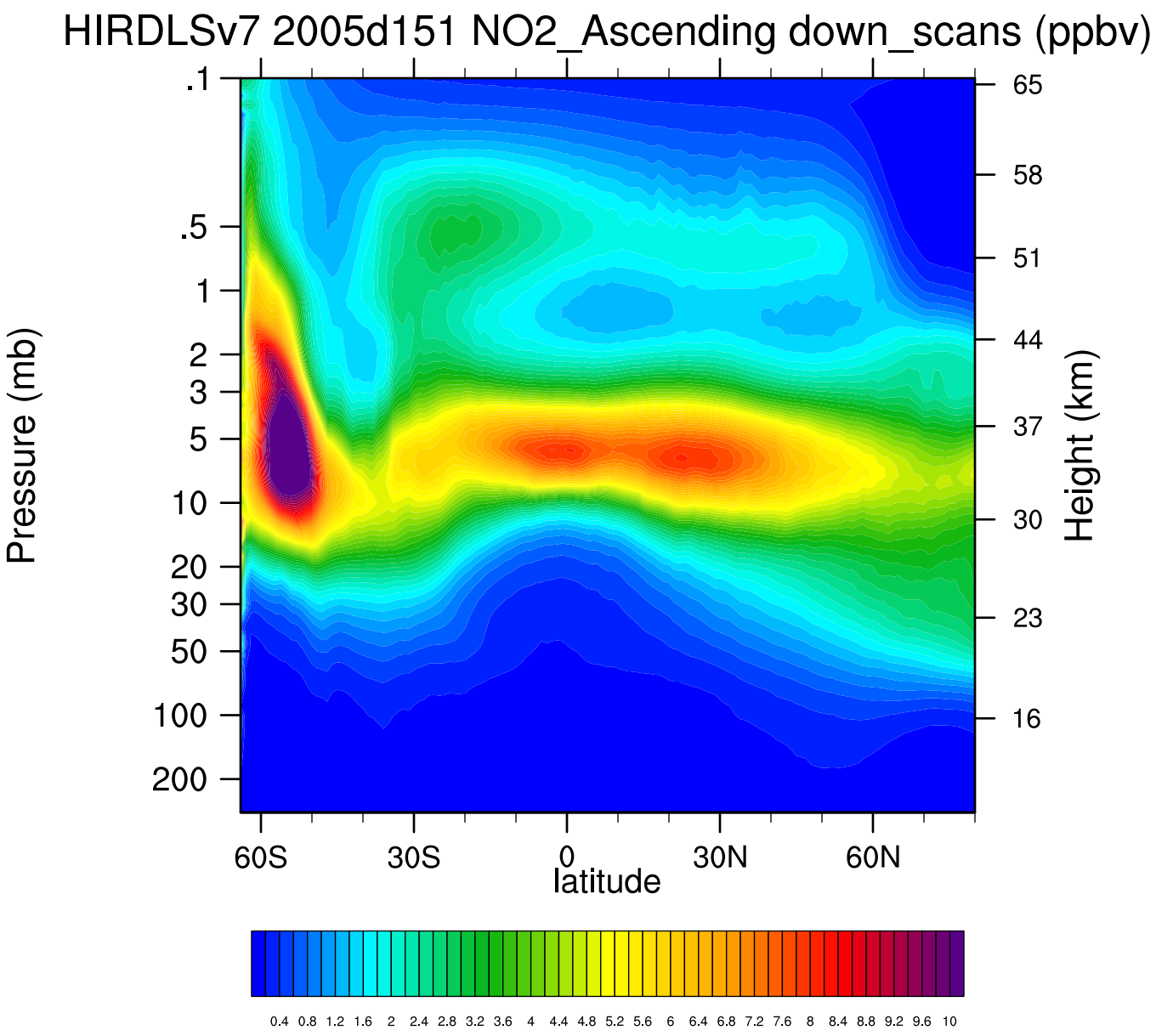

HIRDLSv7 2005d146 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

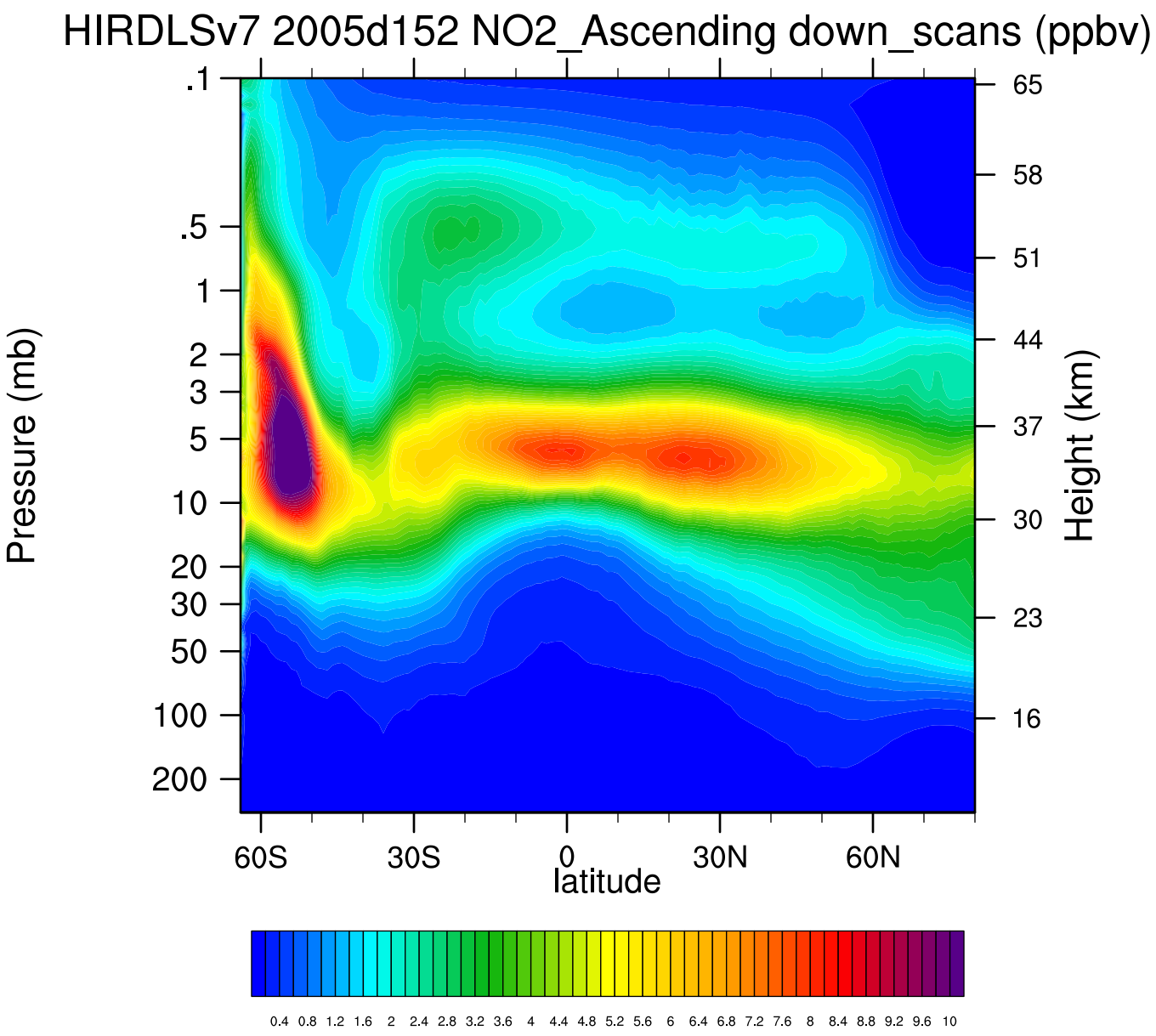

HIRDLSv7 2005d147 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

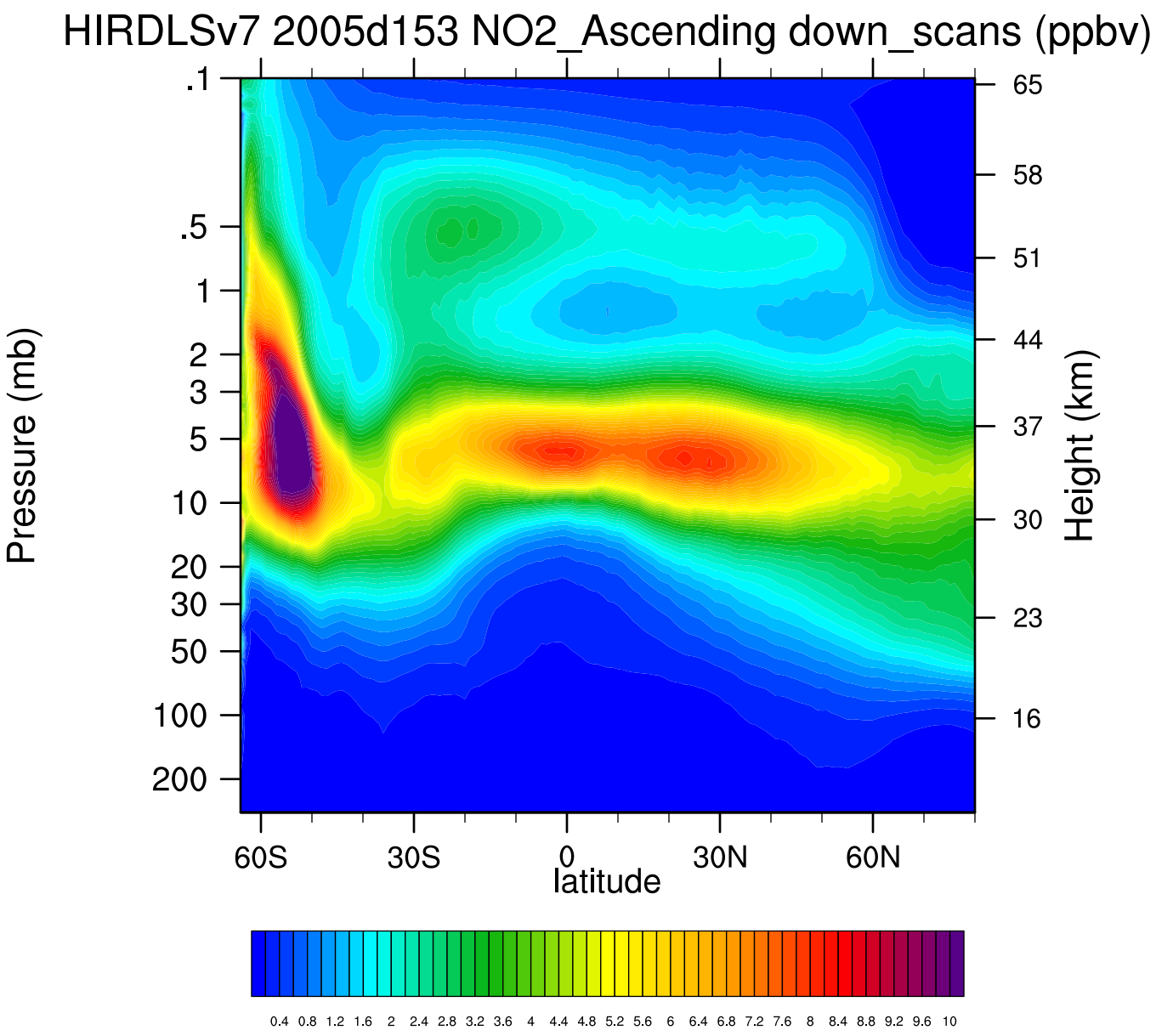

HIRDLSv7 2005d148 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

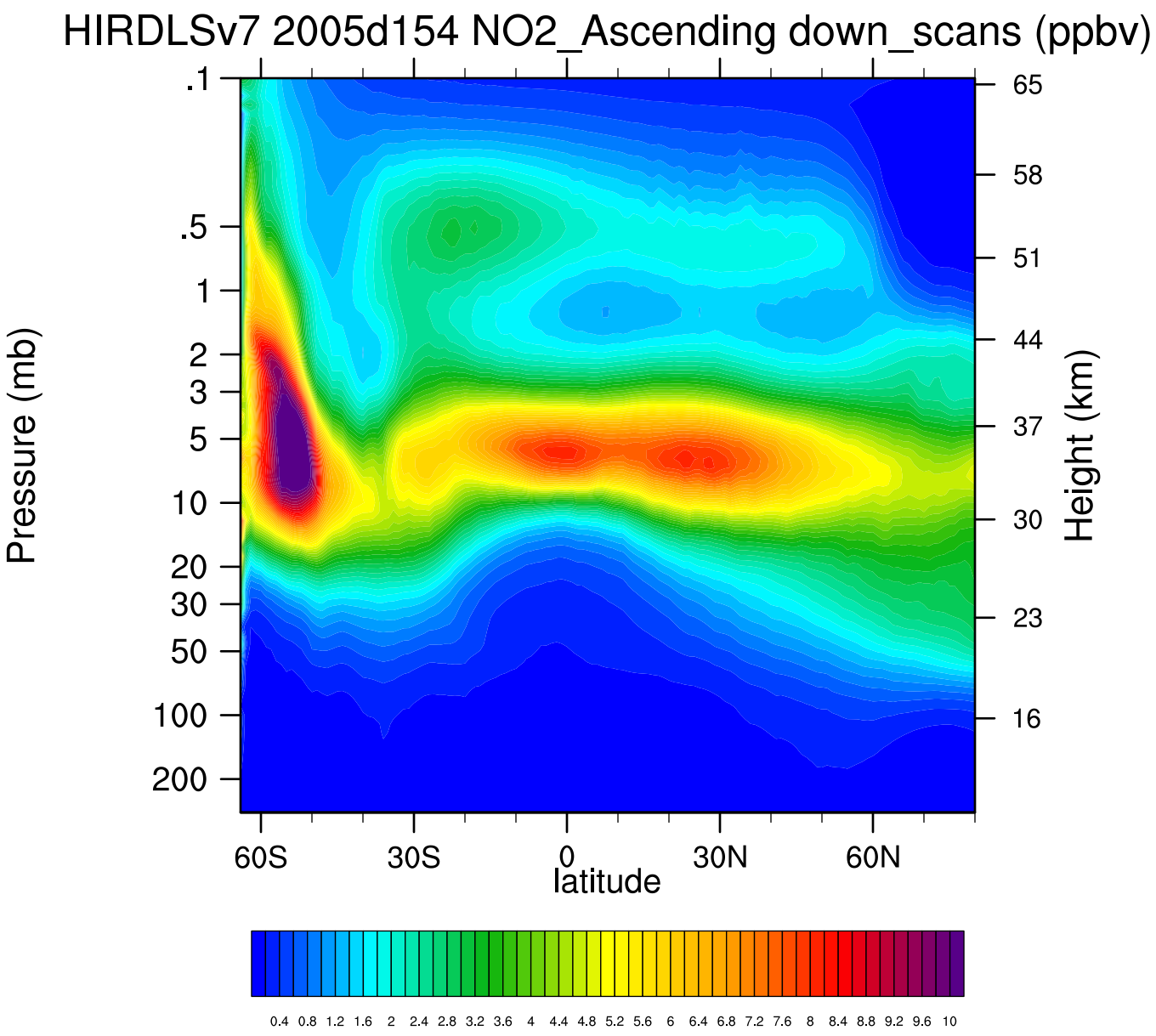

HIRDLSv7 2005d149 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

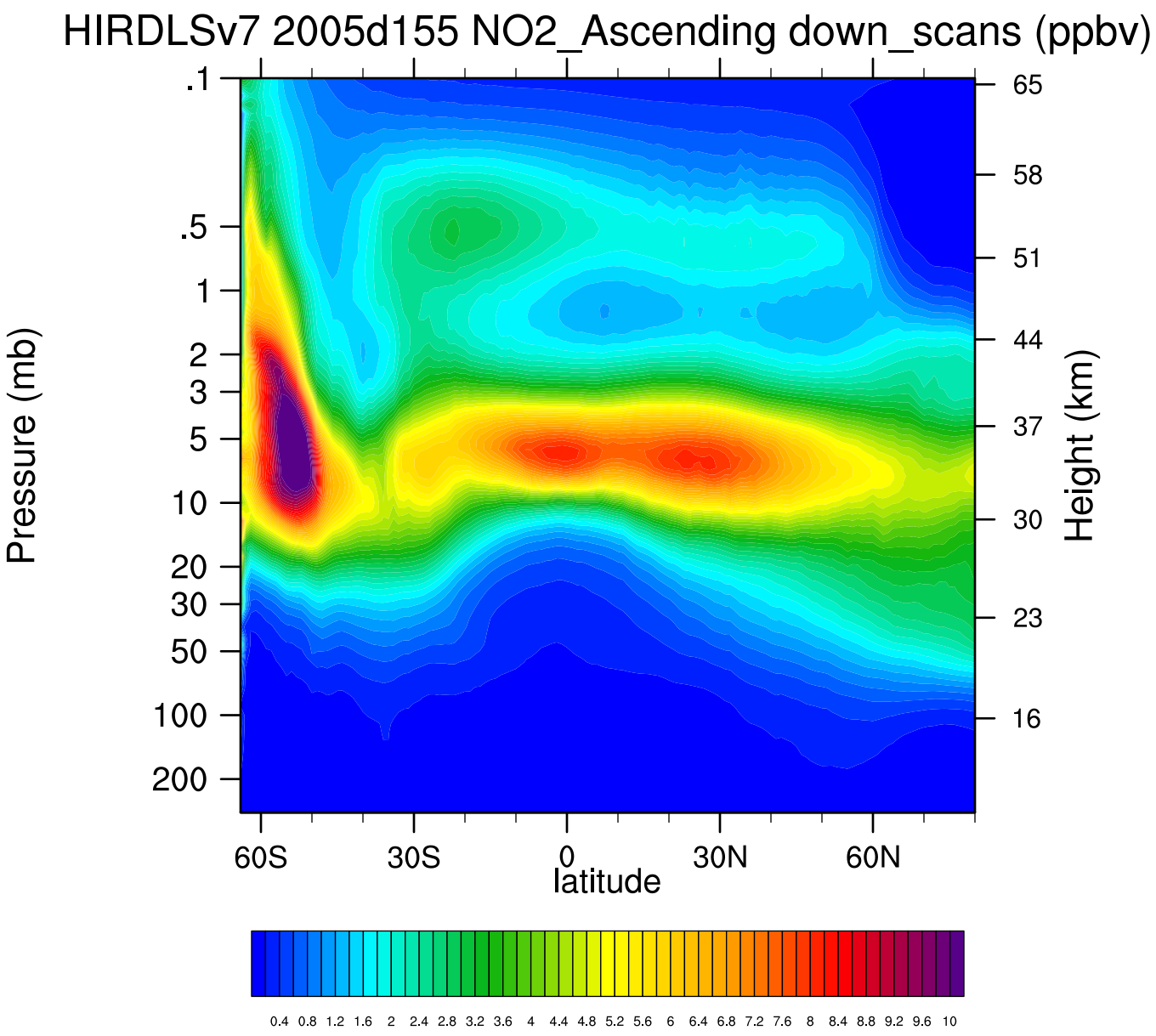

HIRDLSv7 2005d150 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

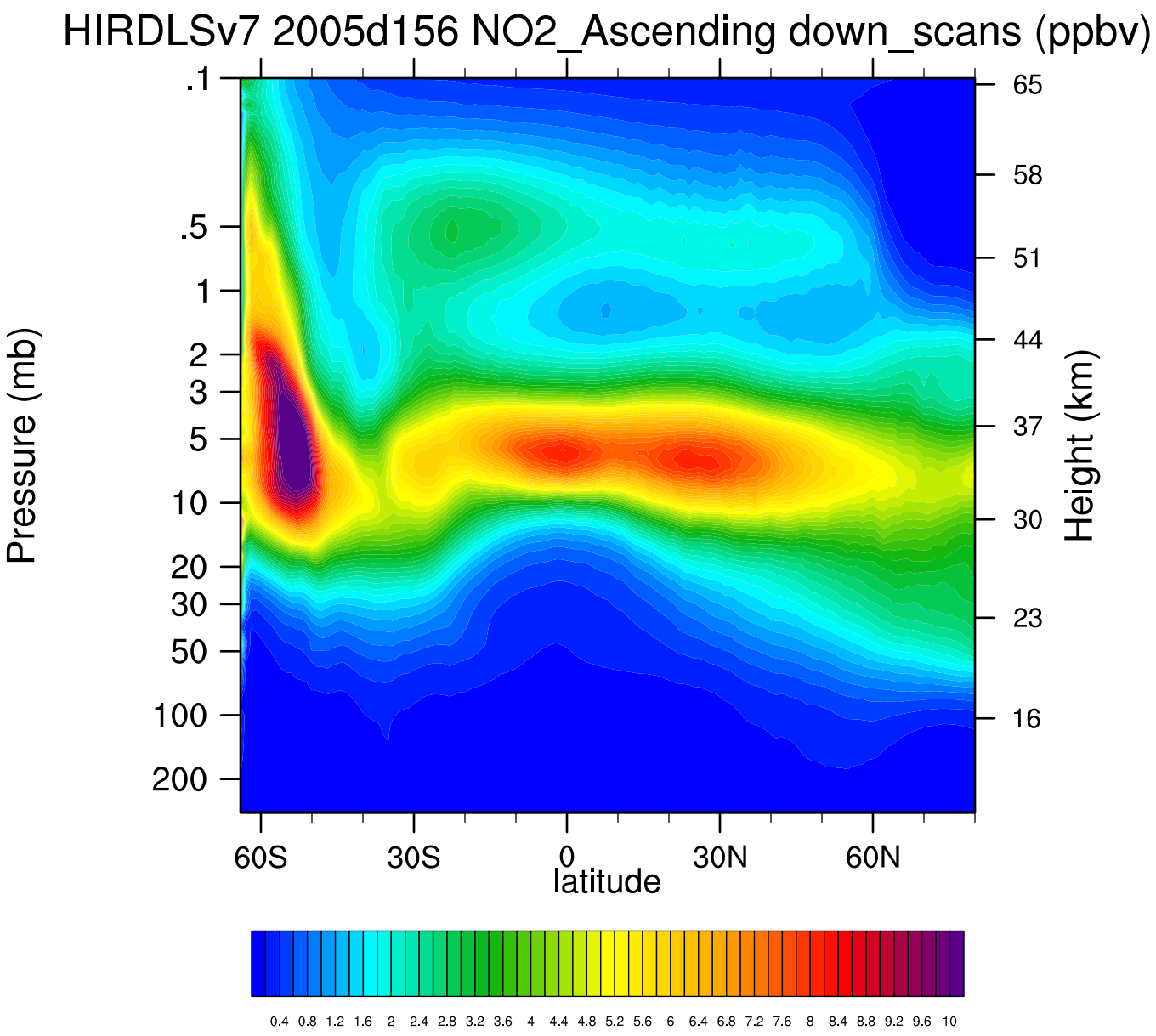

HIRDLSv7 2005d151 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

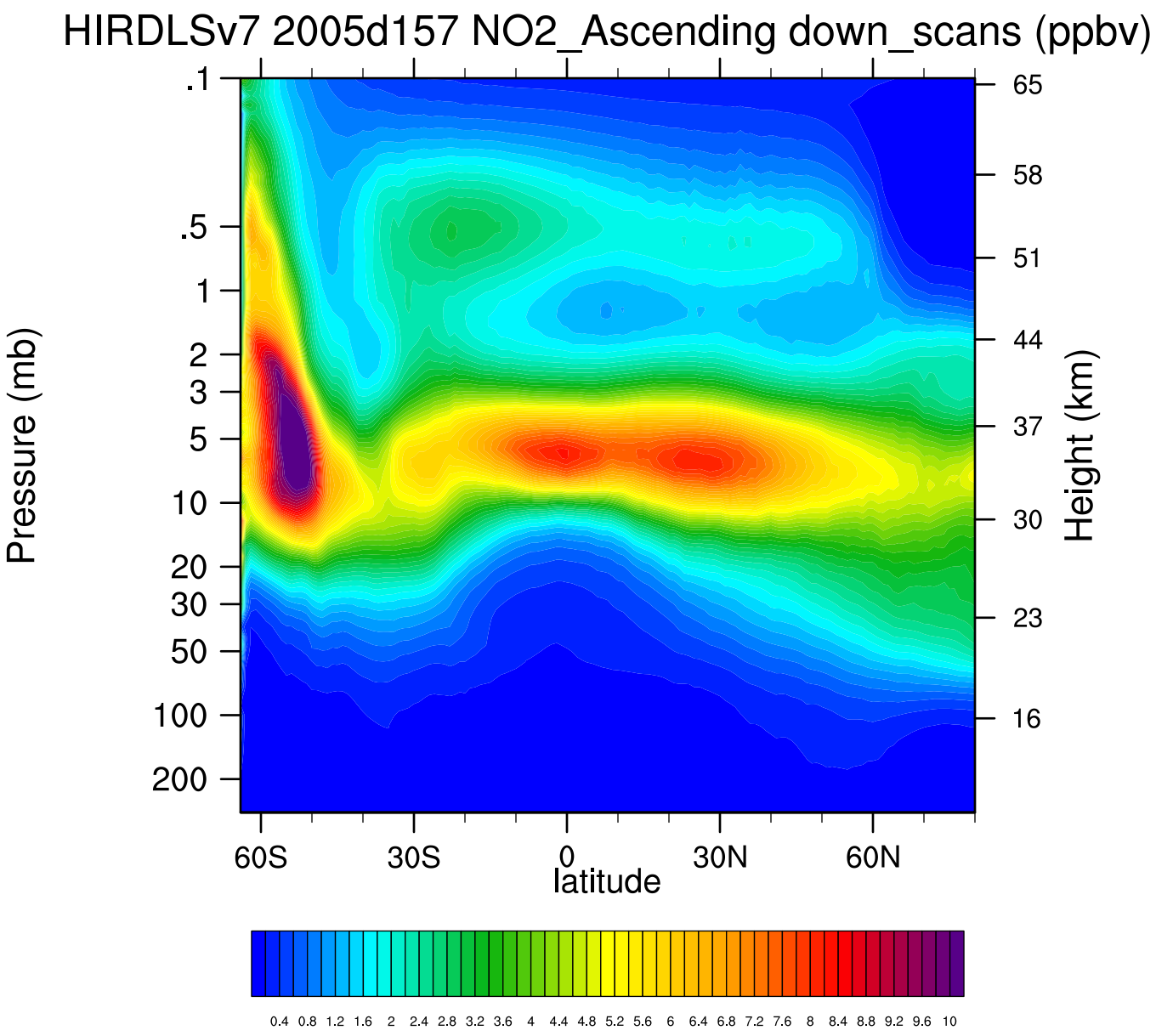

HIRDLSv7 2005d152 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

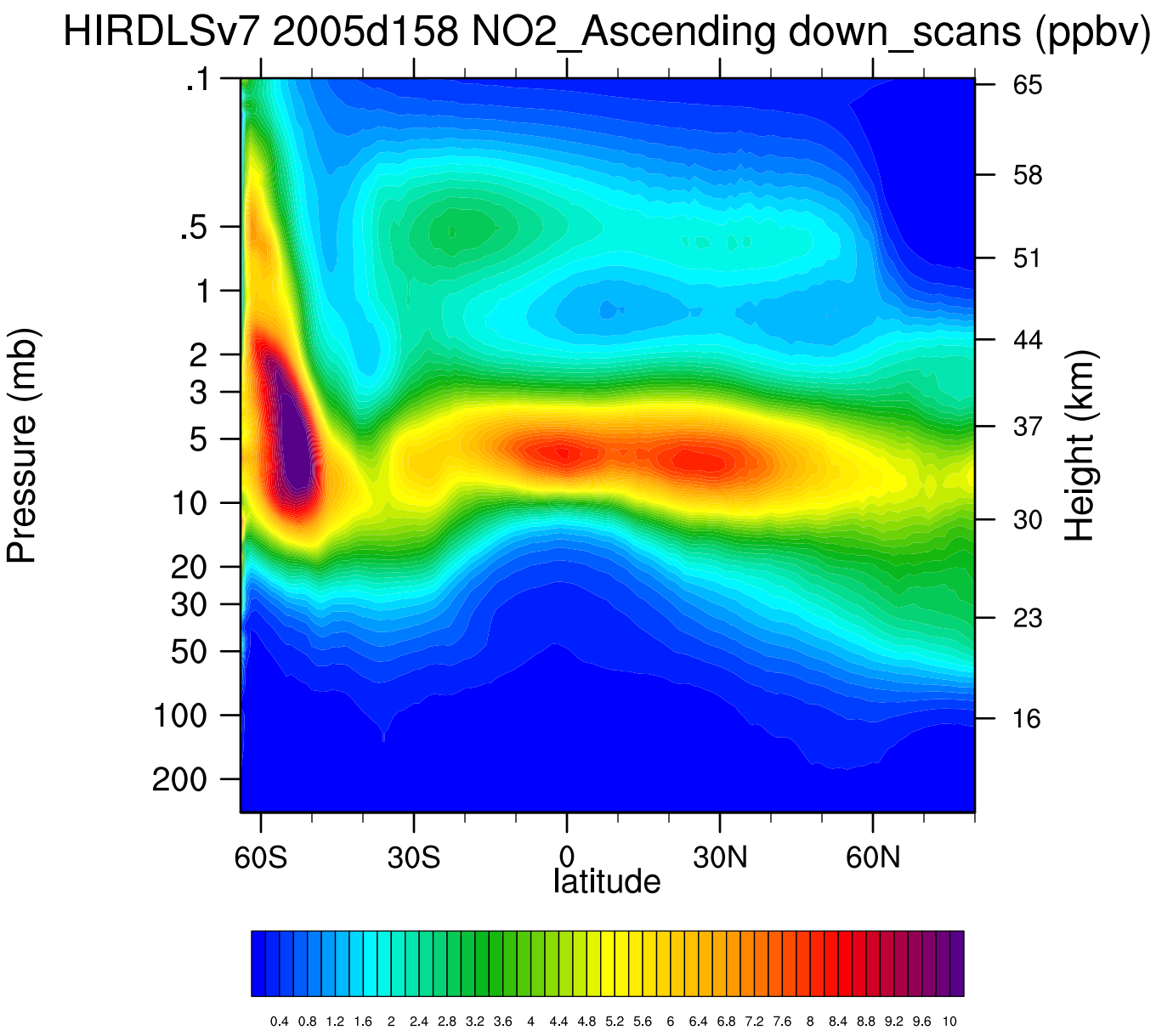

HIRDLSv7 2005d153 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

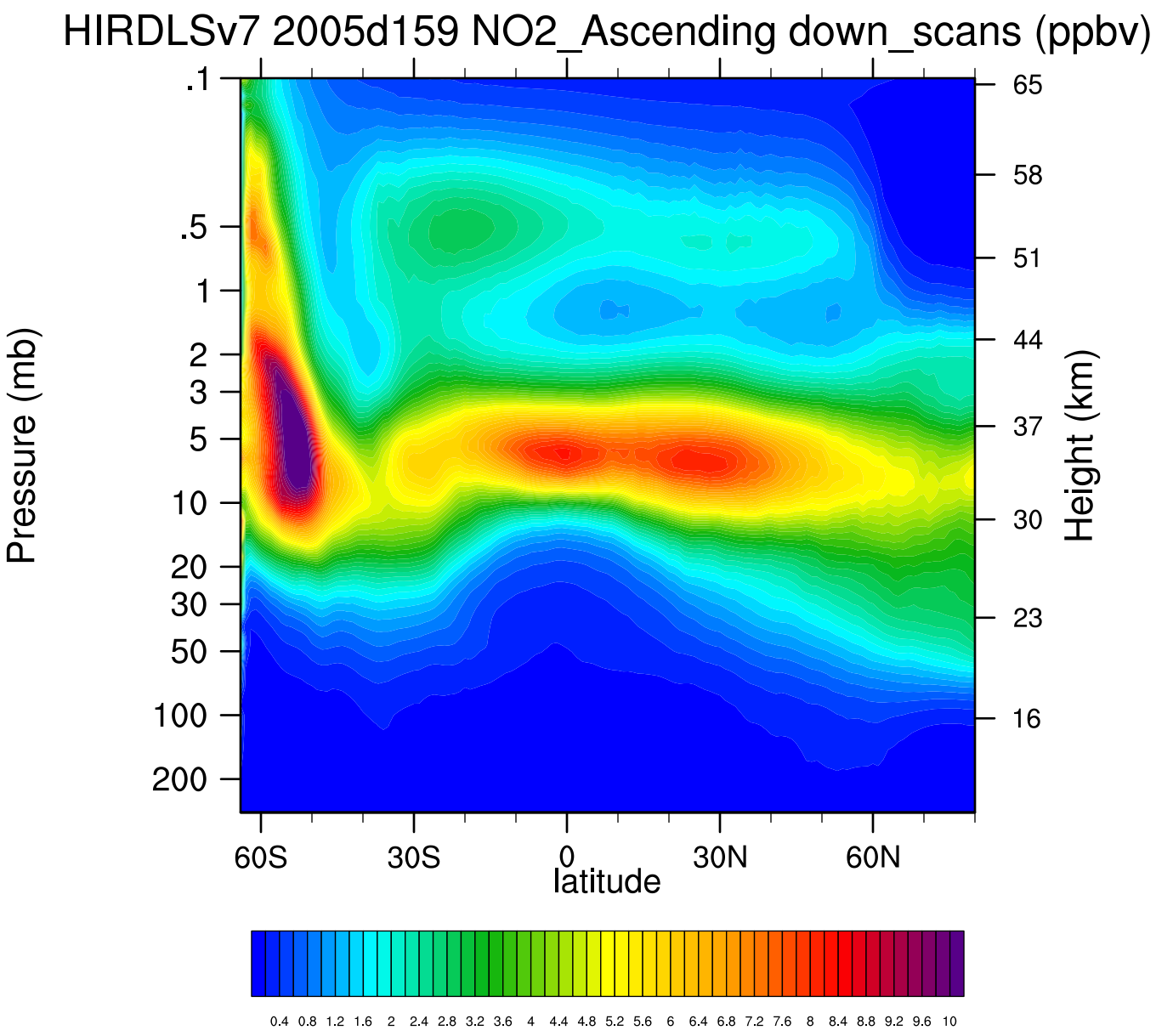

HIRDLSv7 2005d154 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

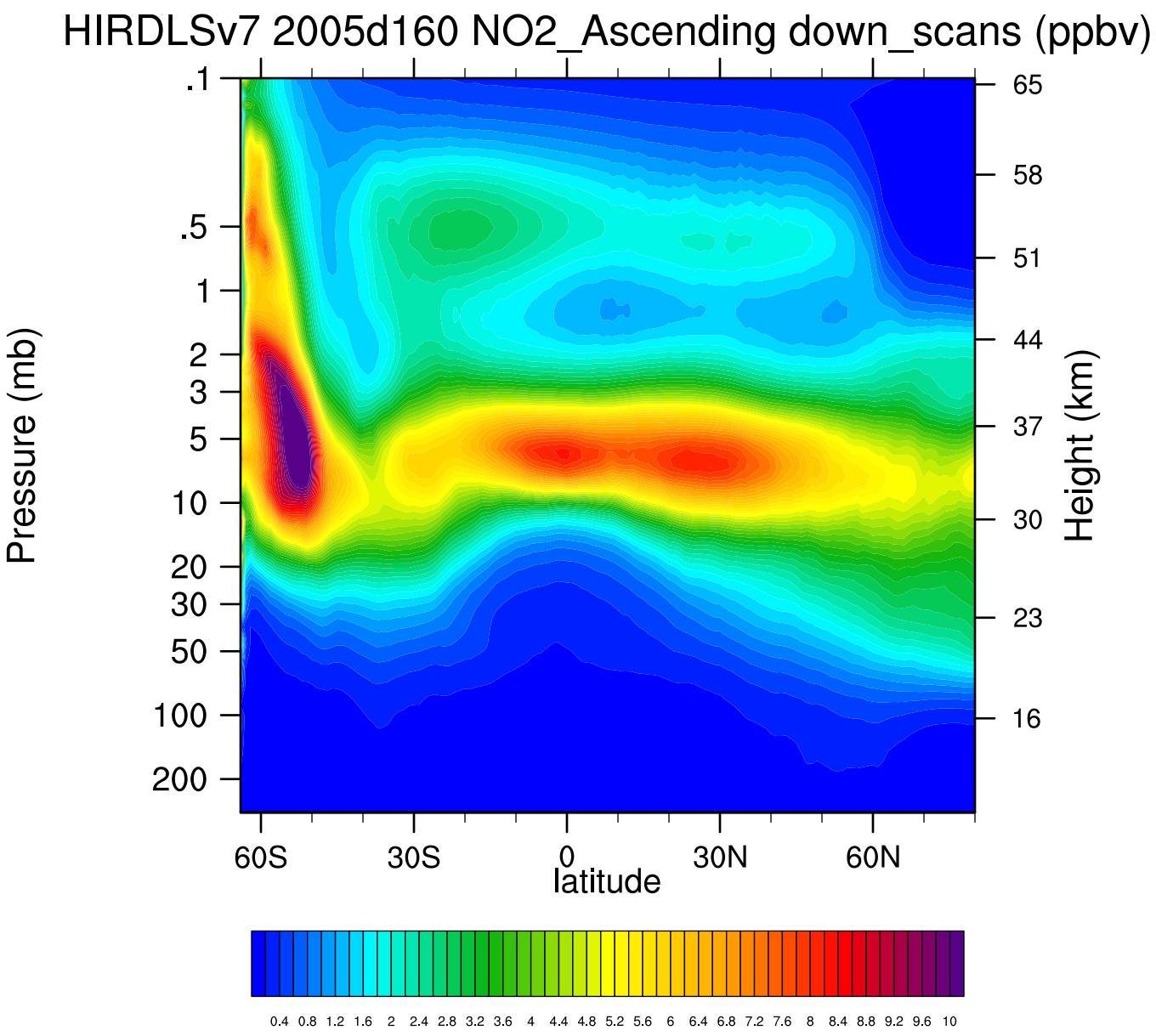

HIRDLSv7 2005d155 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

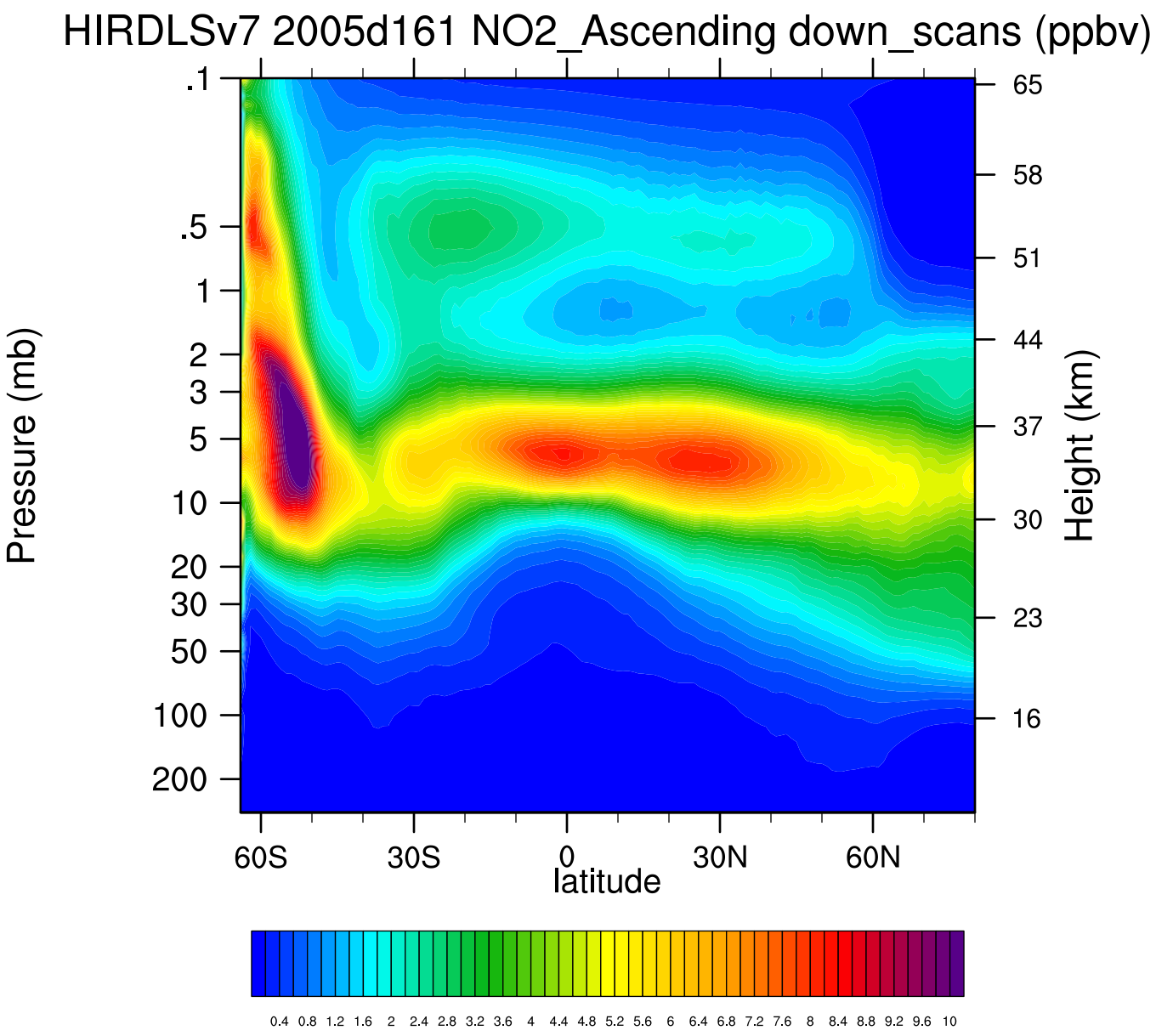

HIRDLSv7 2005d156 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

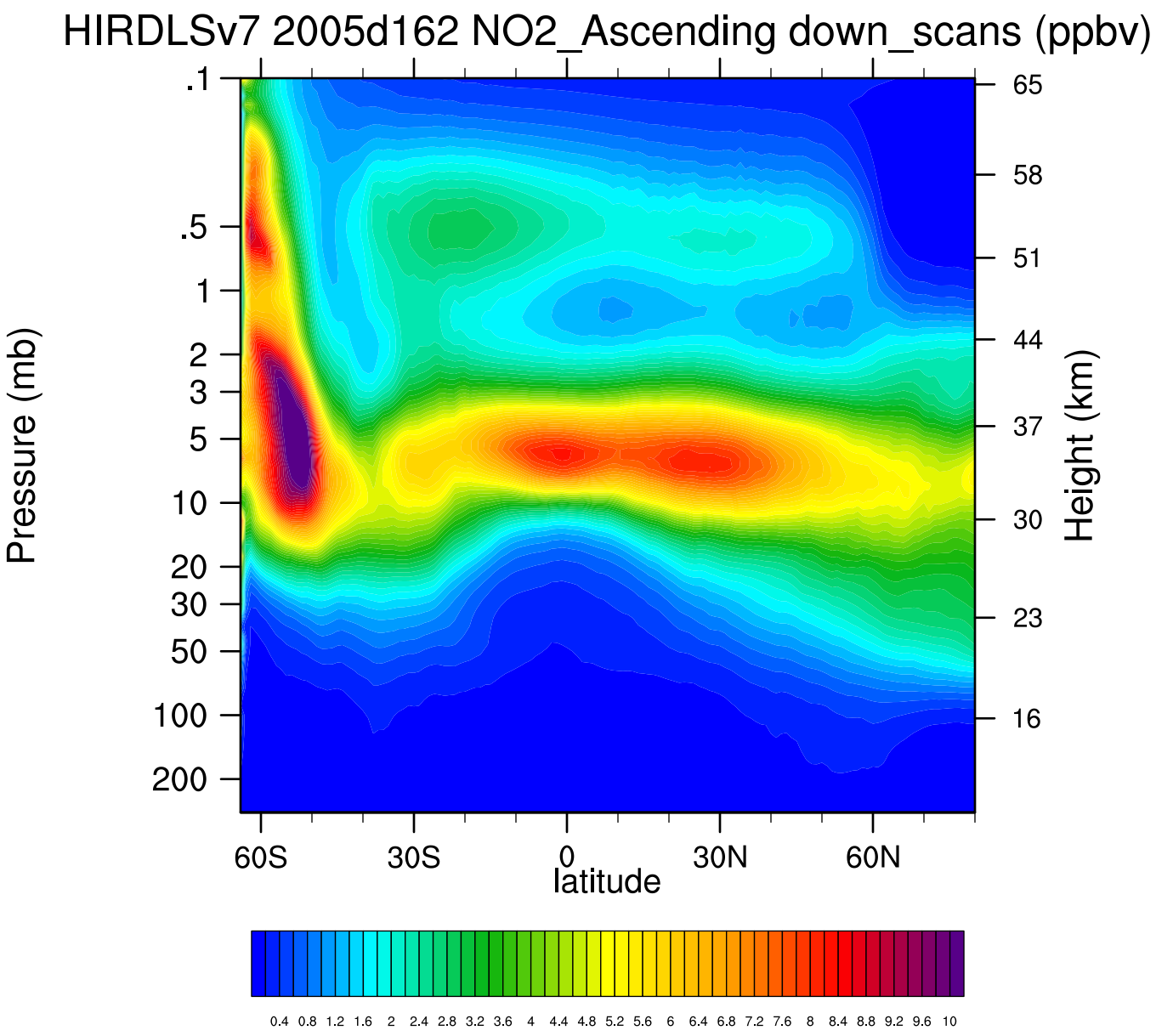

HIRDLSv7 2005d157 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

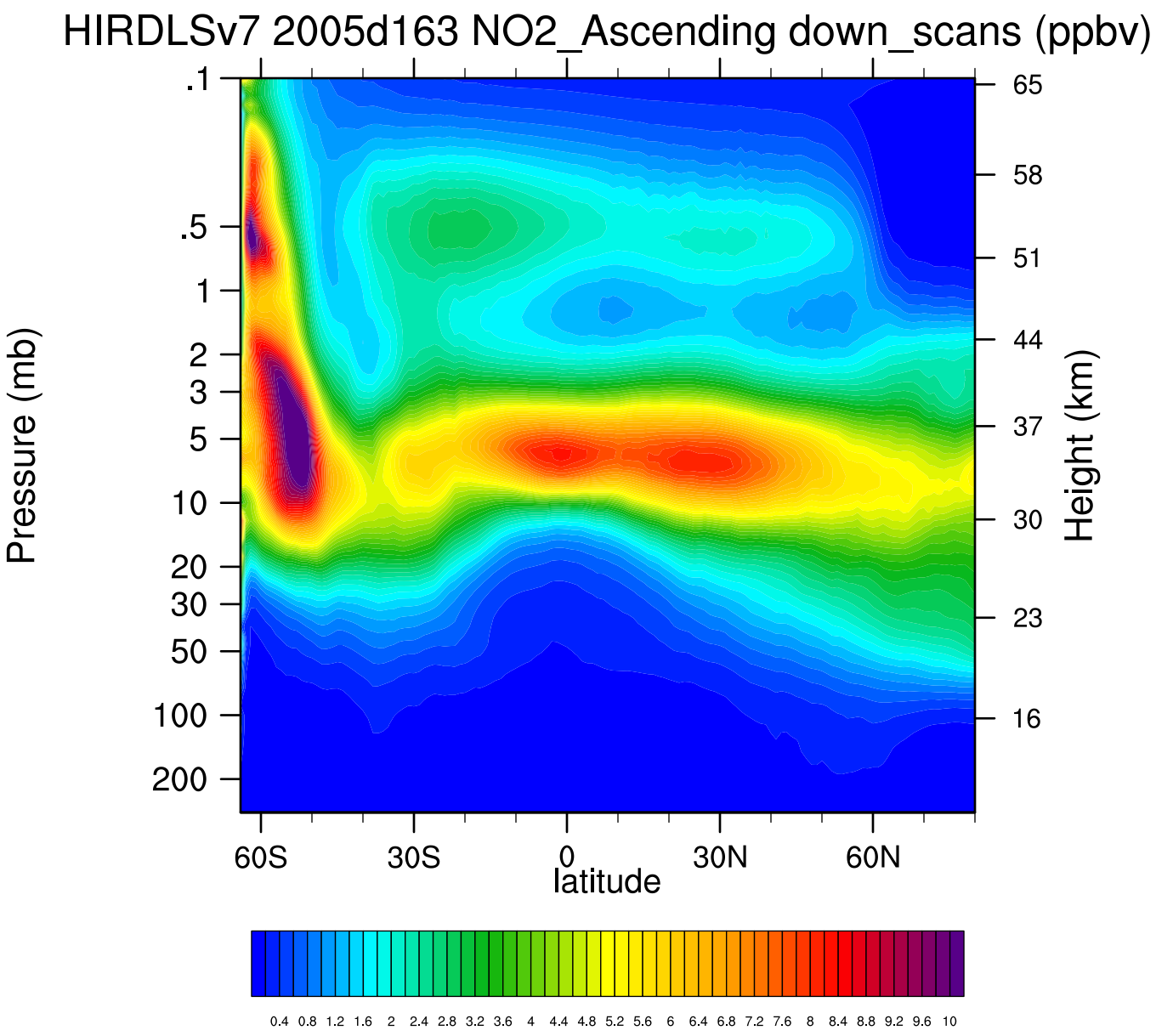

HIRDLSv7 2005d158 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

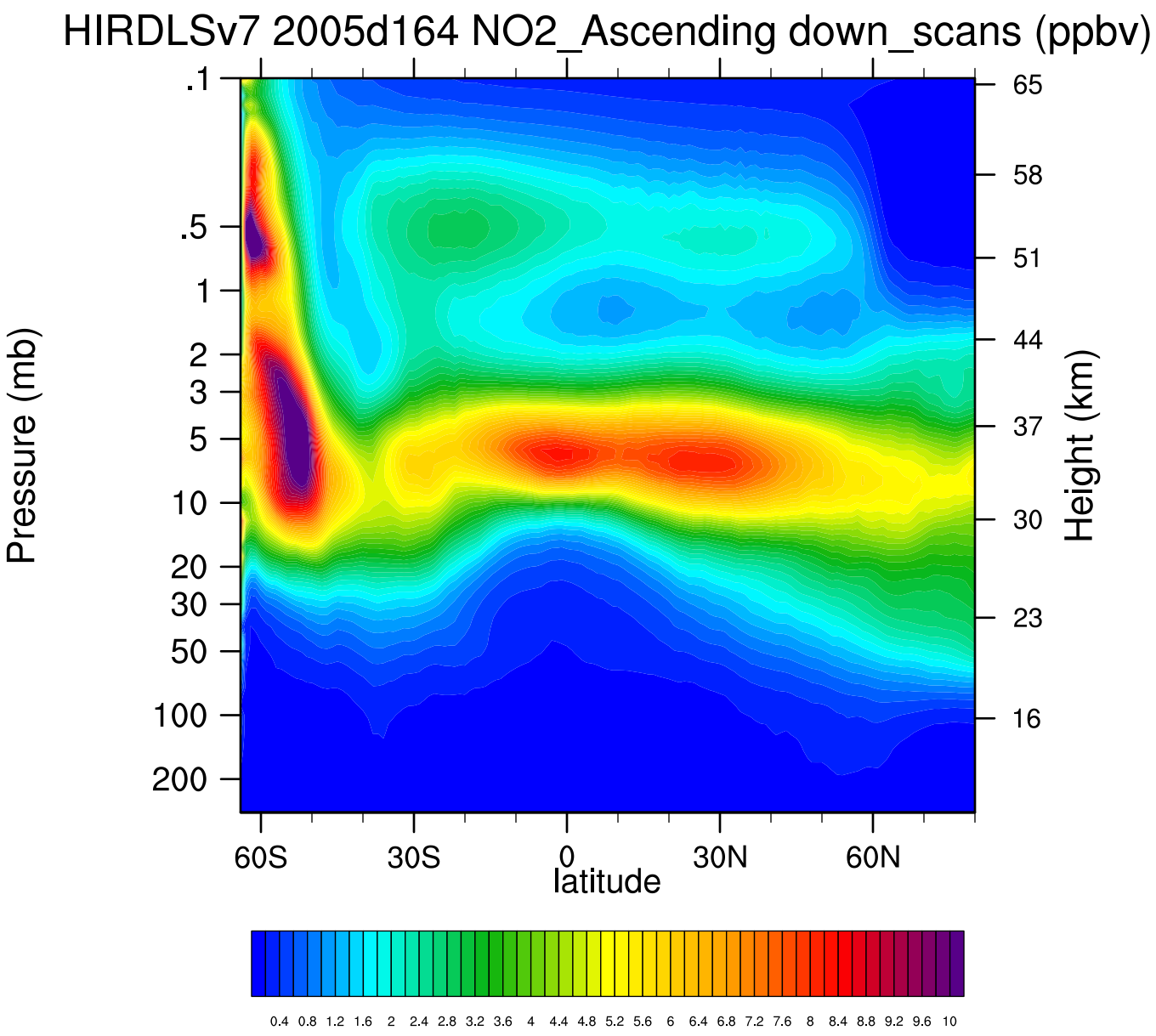

HIRDLSv7 2005d159 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

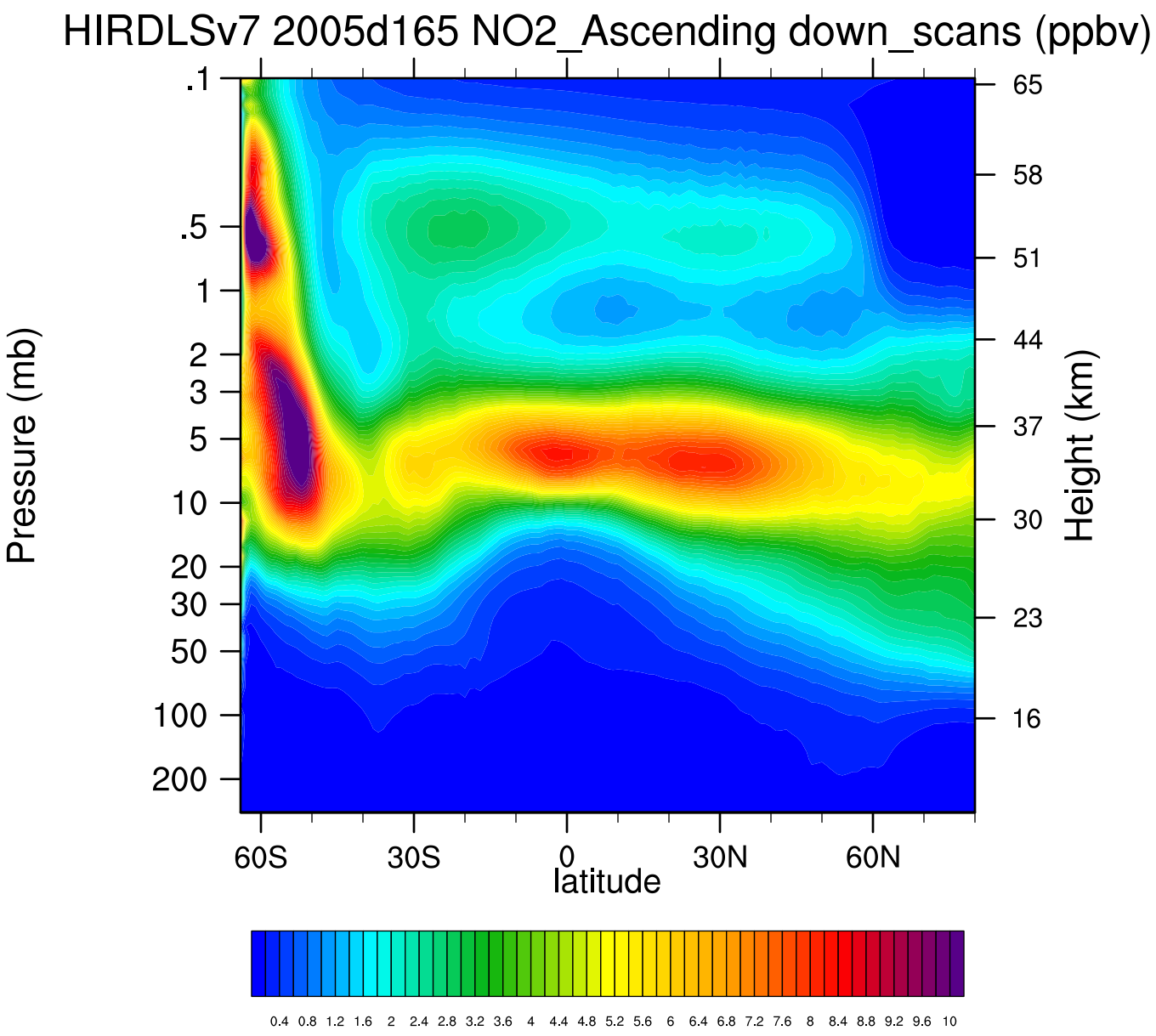

HIRDLSv7 2005d160 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

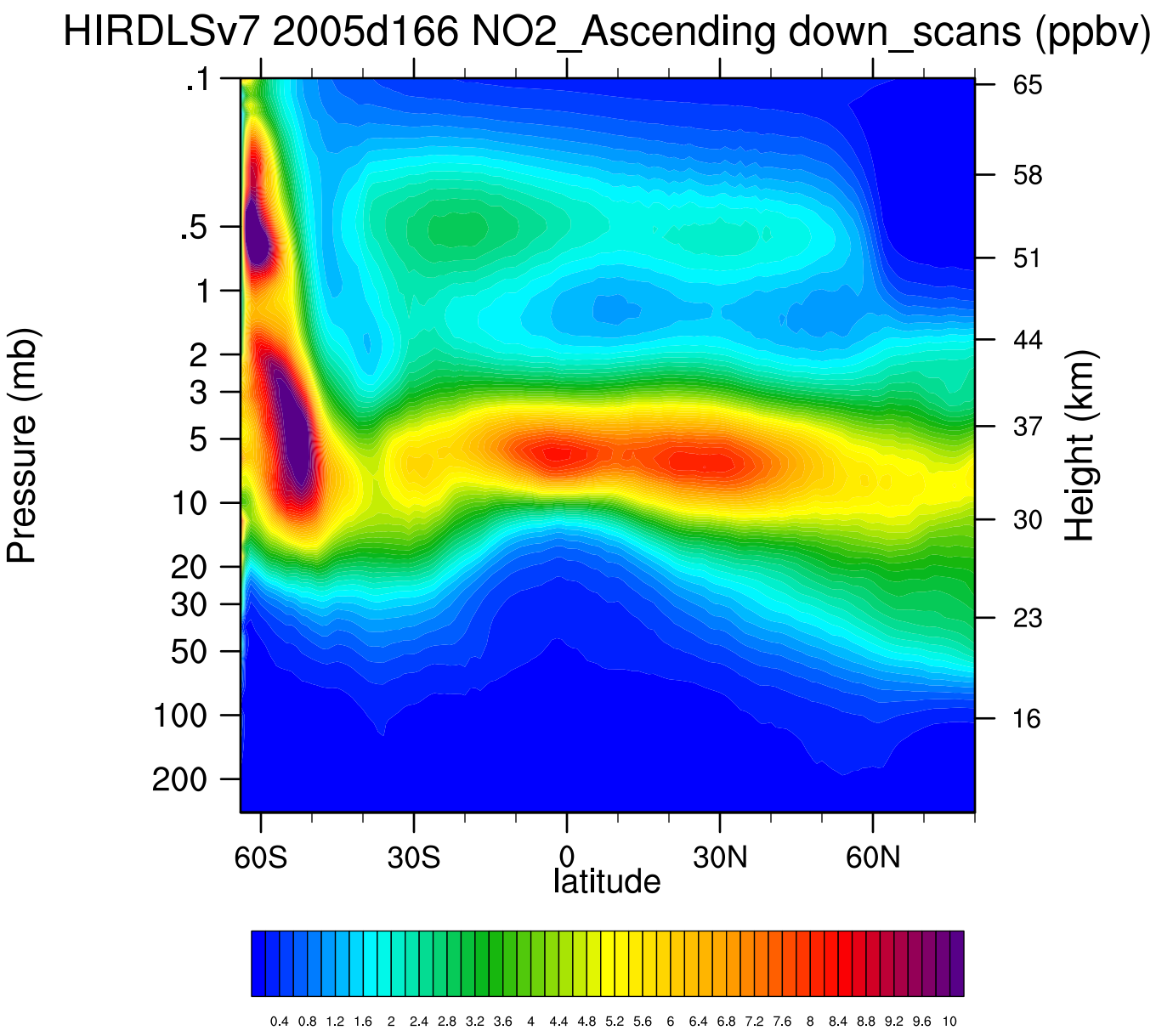

HIRDLSv7 2005d161 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

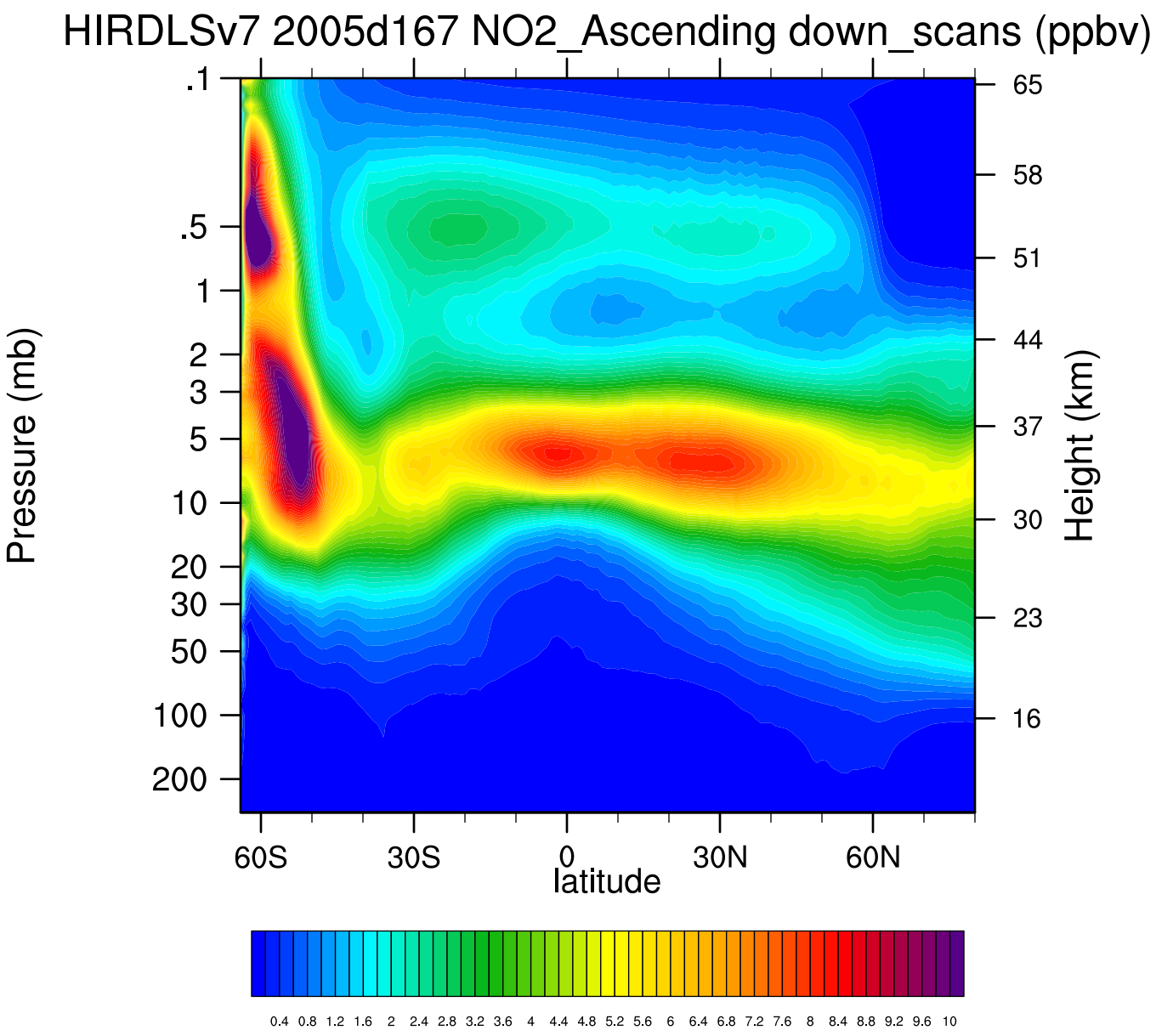

HIRDLSv7 2005d162 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

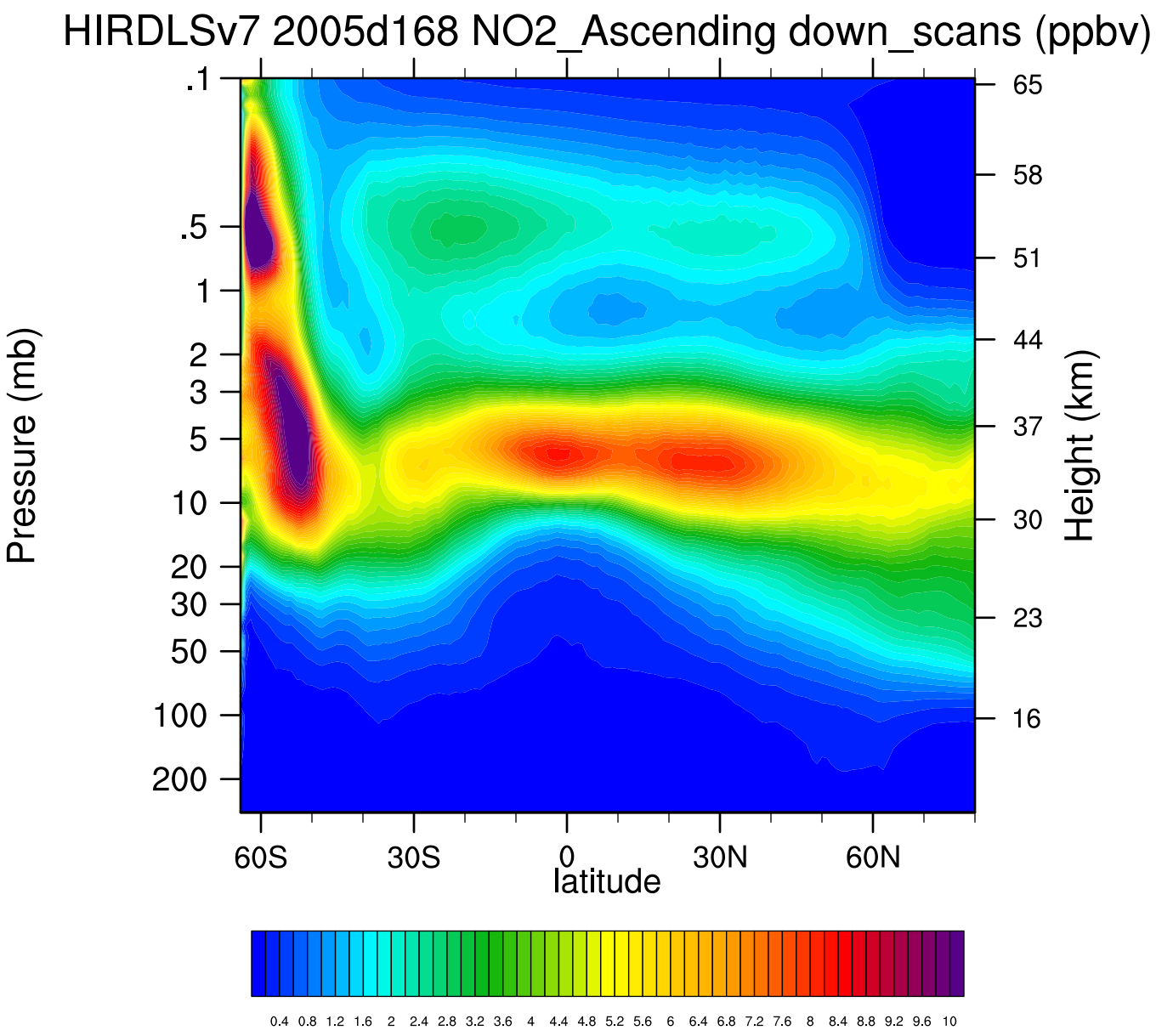

HIRDLSv7 2005d163 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

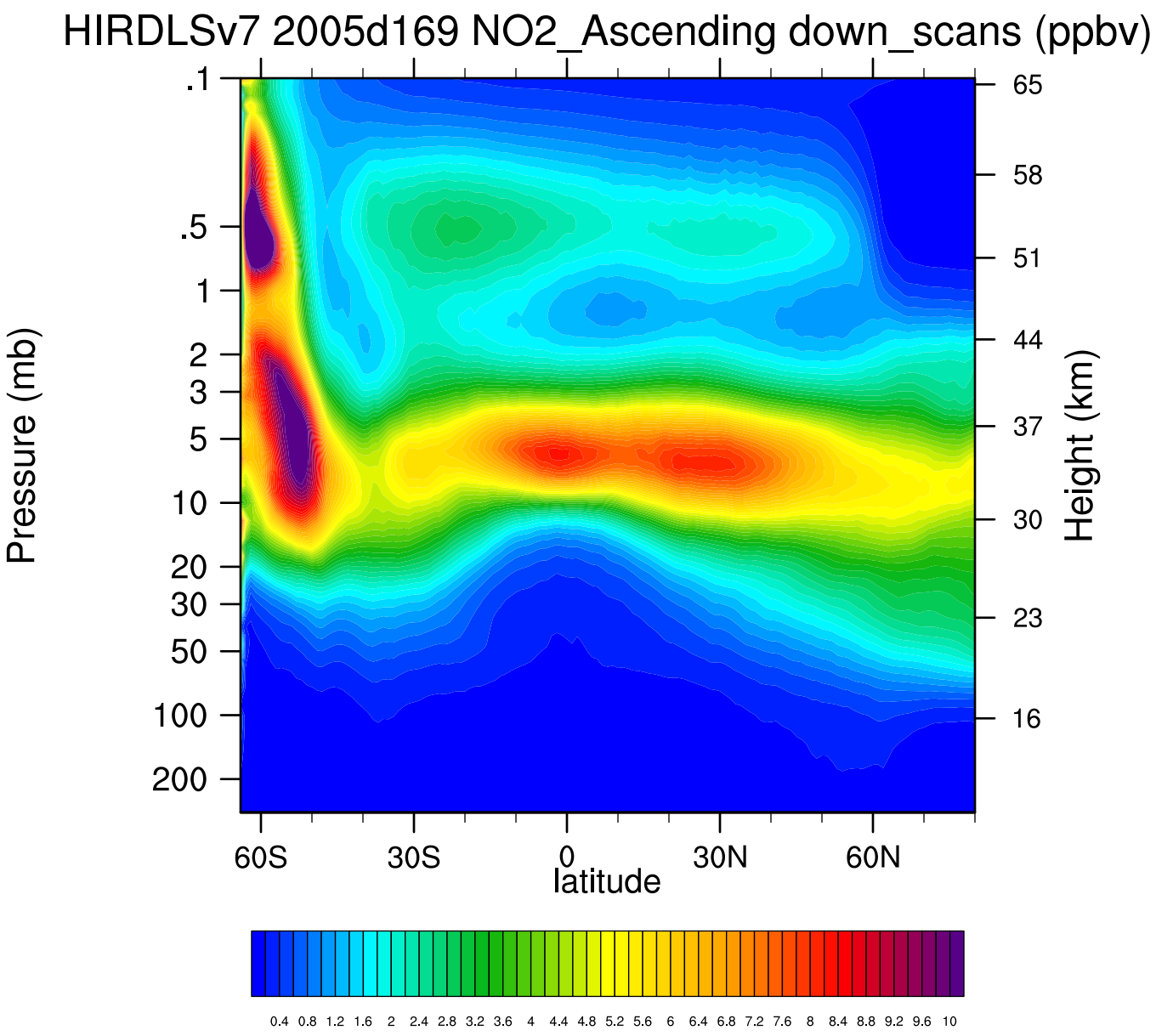

HIRDLSv7 2005d164 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

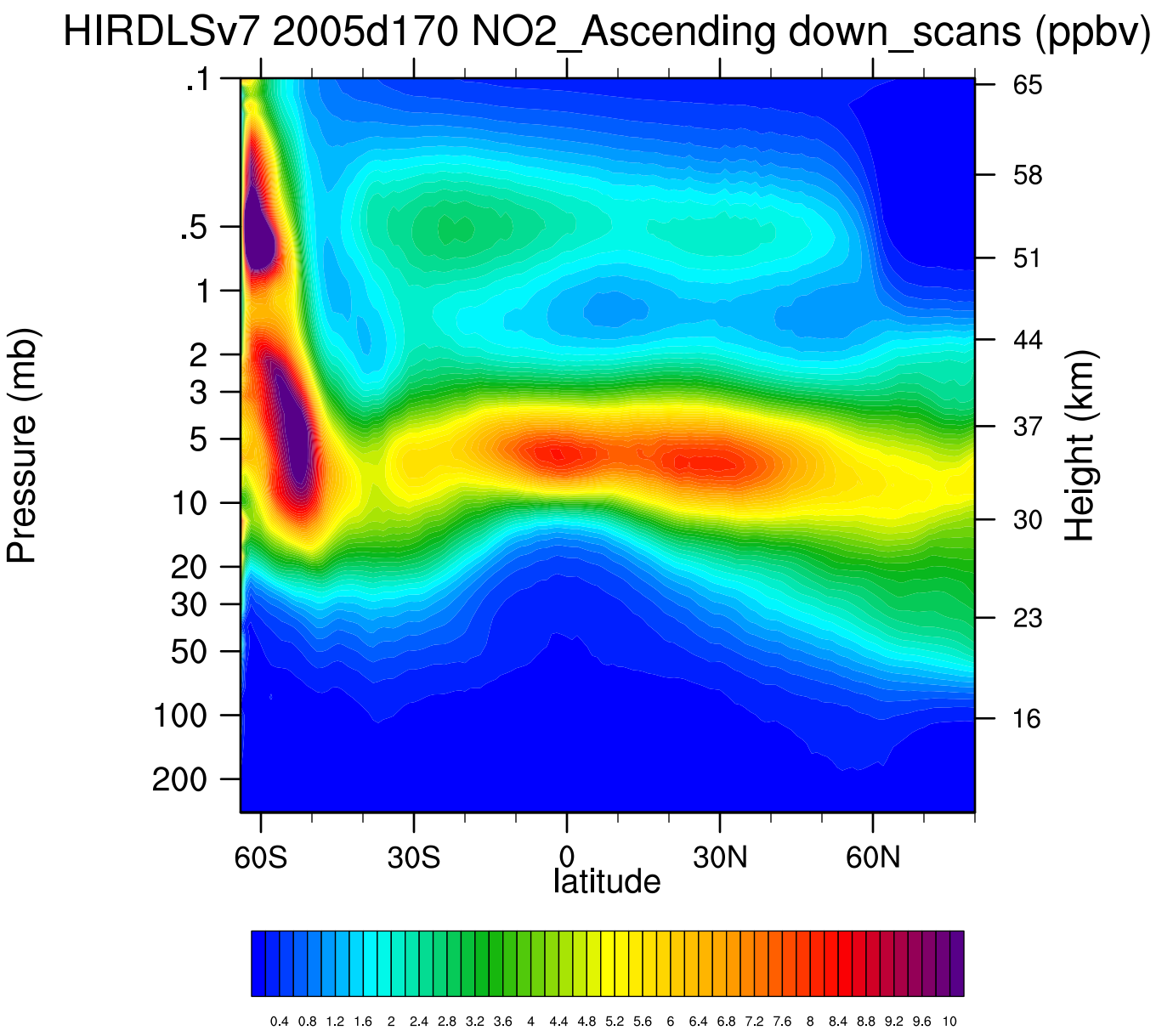

HIRDLSv7 2005d165 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

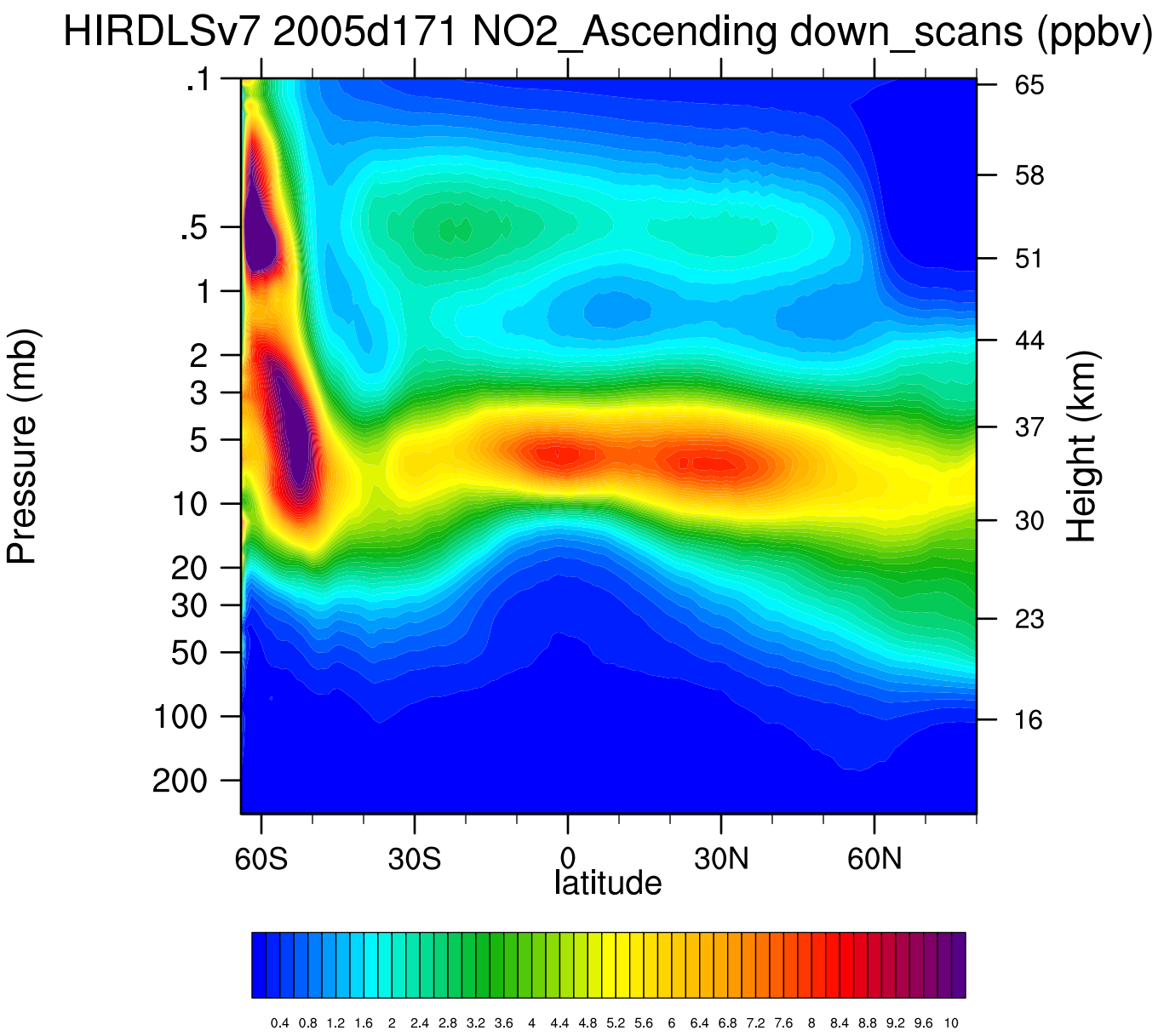

HIRDLSv7 2005d166 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

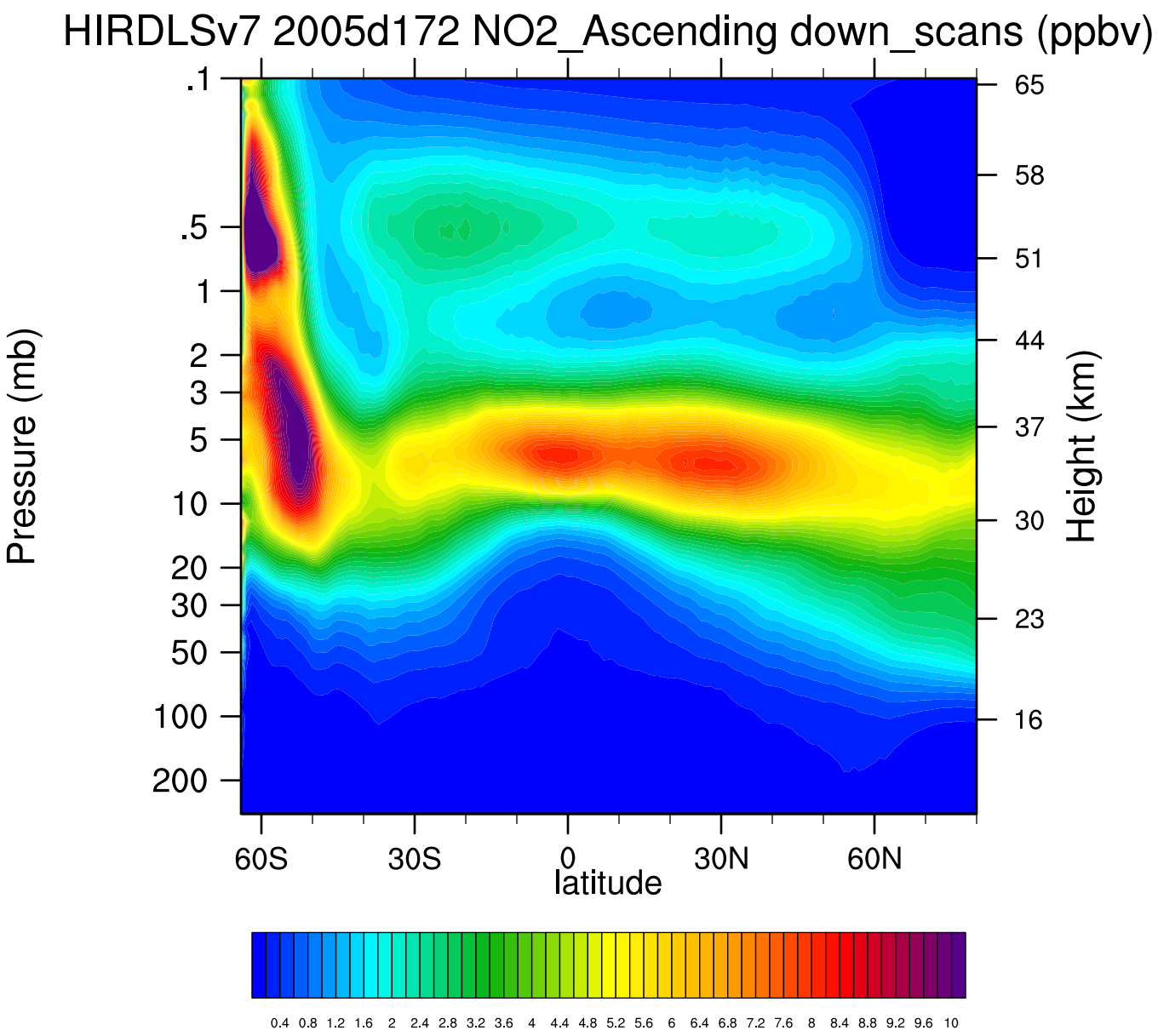

HIRDLSv7 2005d167 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

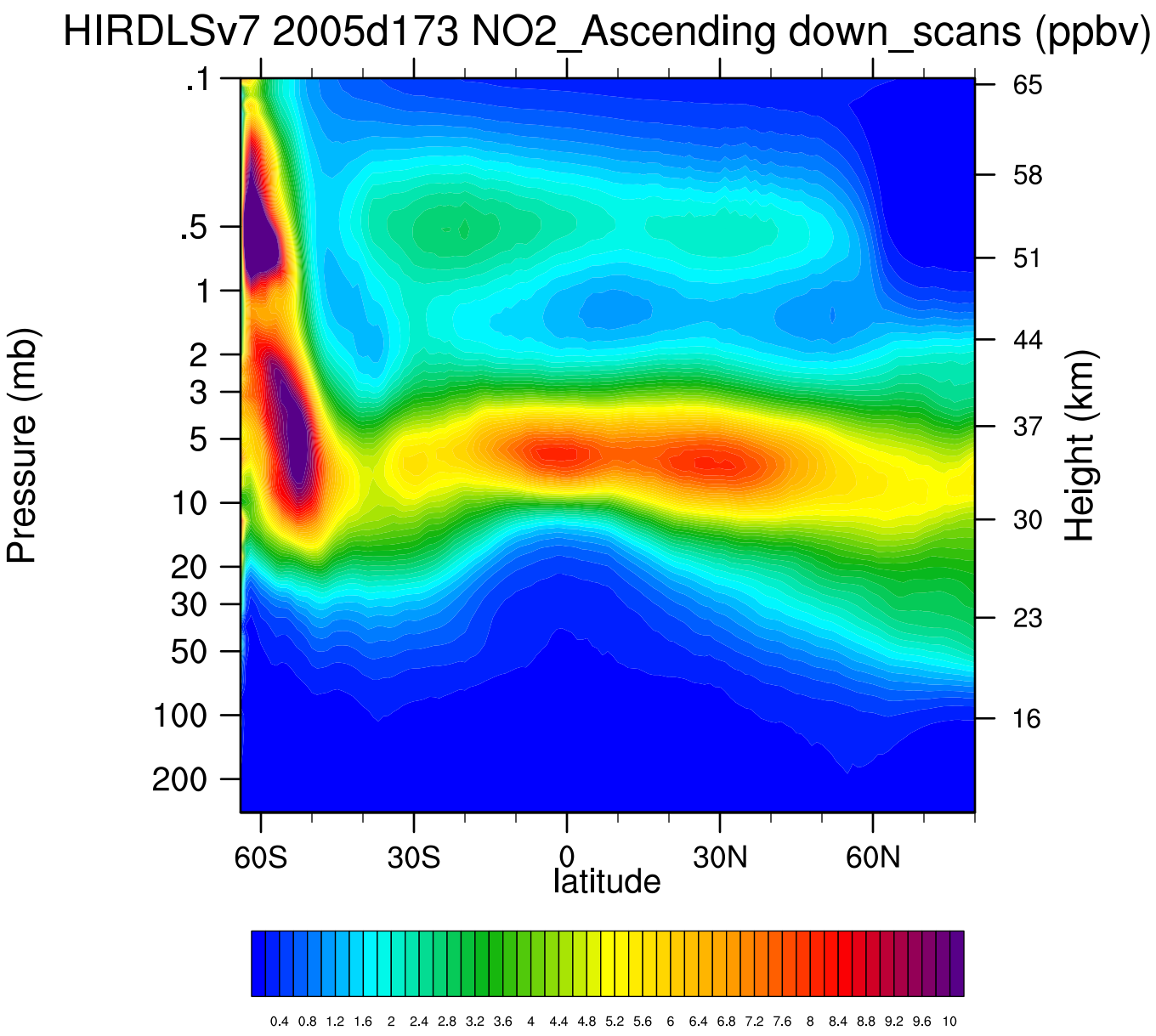

HIRDLSv7 2005d168 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

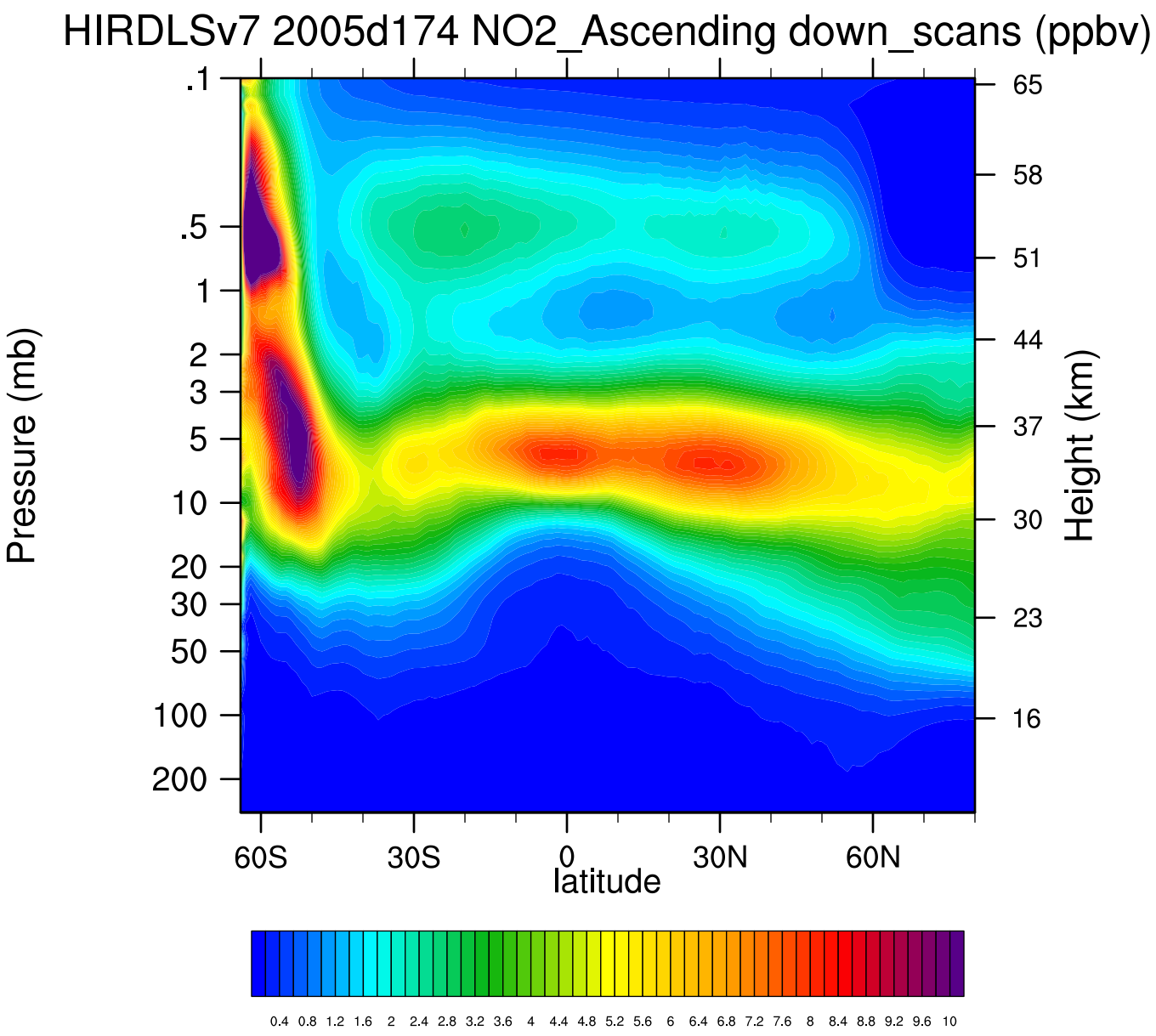

HIRDLSv7 2005d169 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

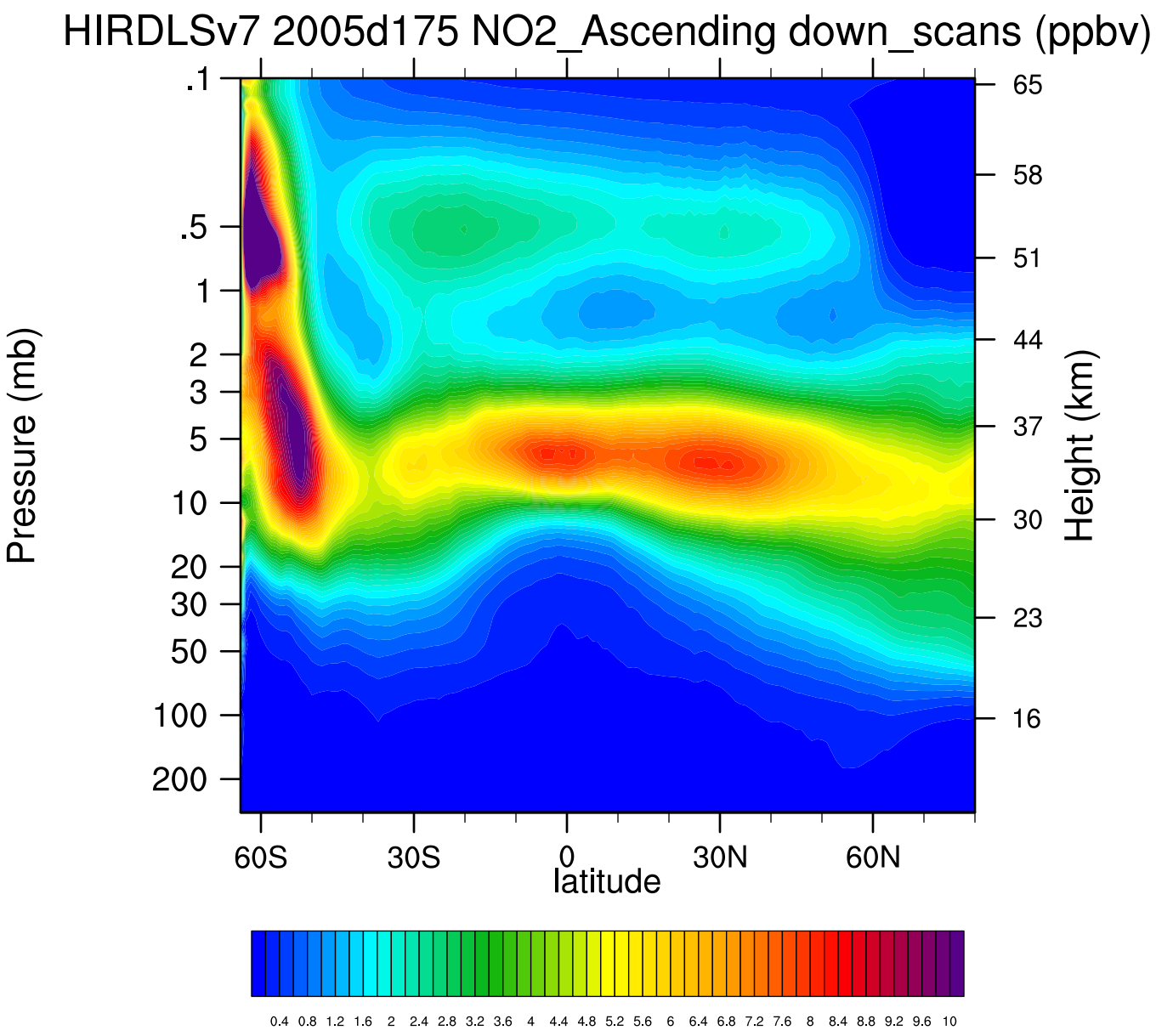

HIRDLSv7 2005d170 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

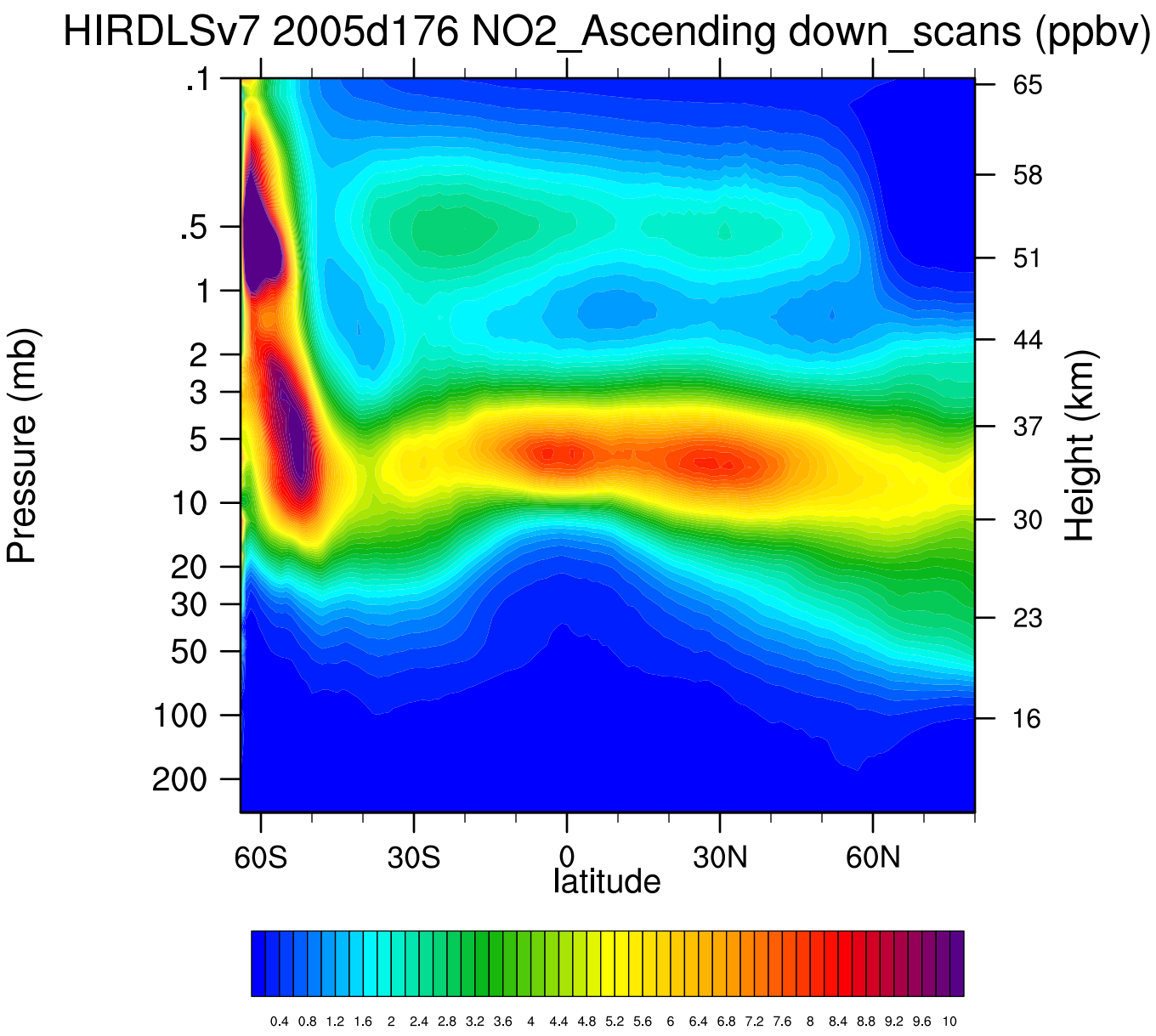

HIRDLSv7 2005d171 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

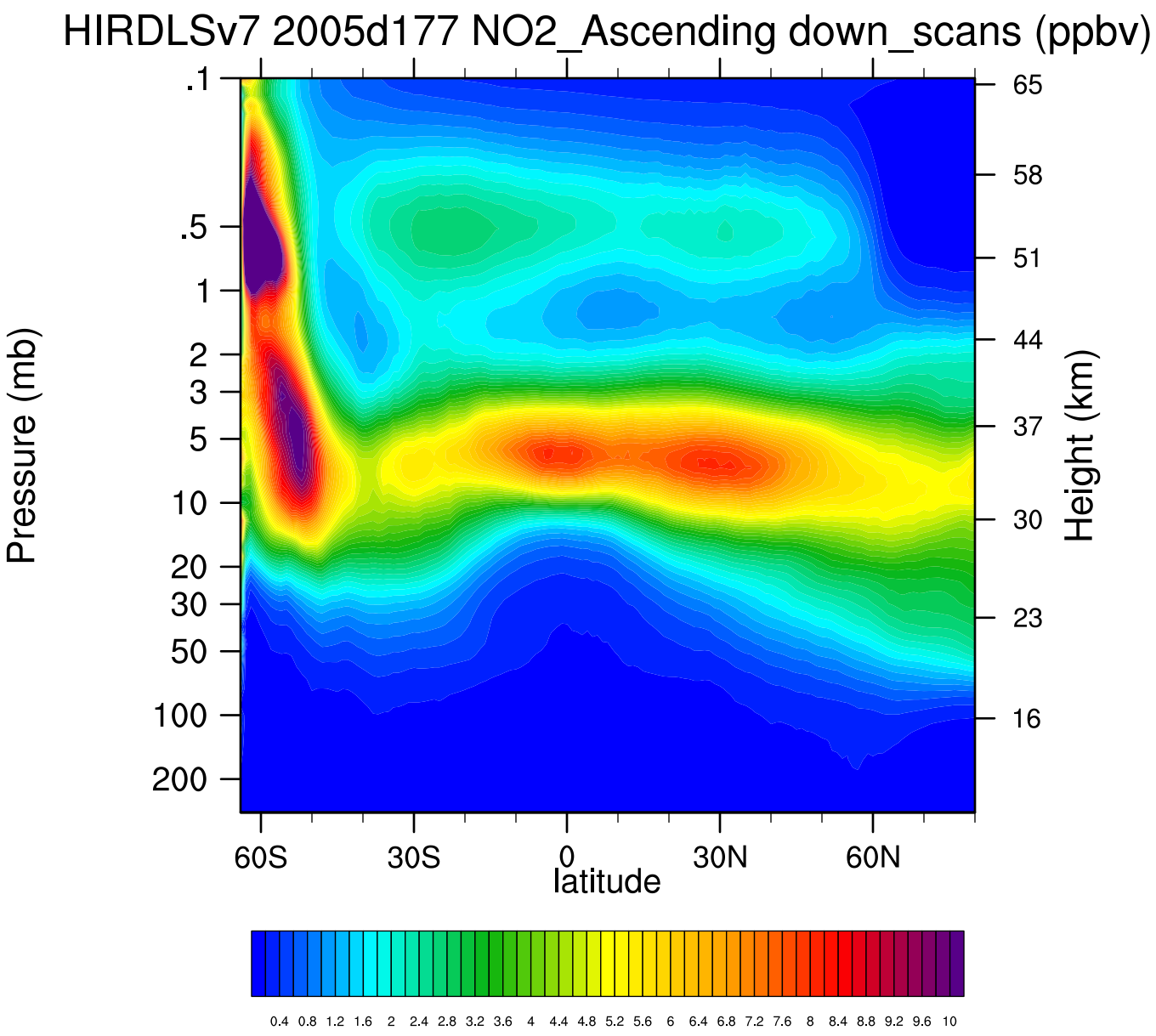

HIRDLSv7 2005d172 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

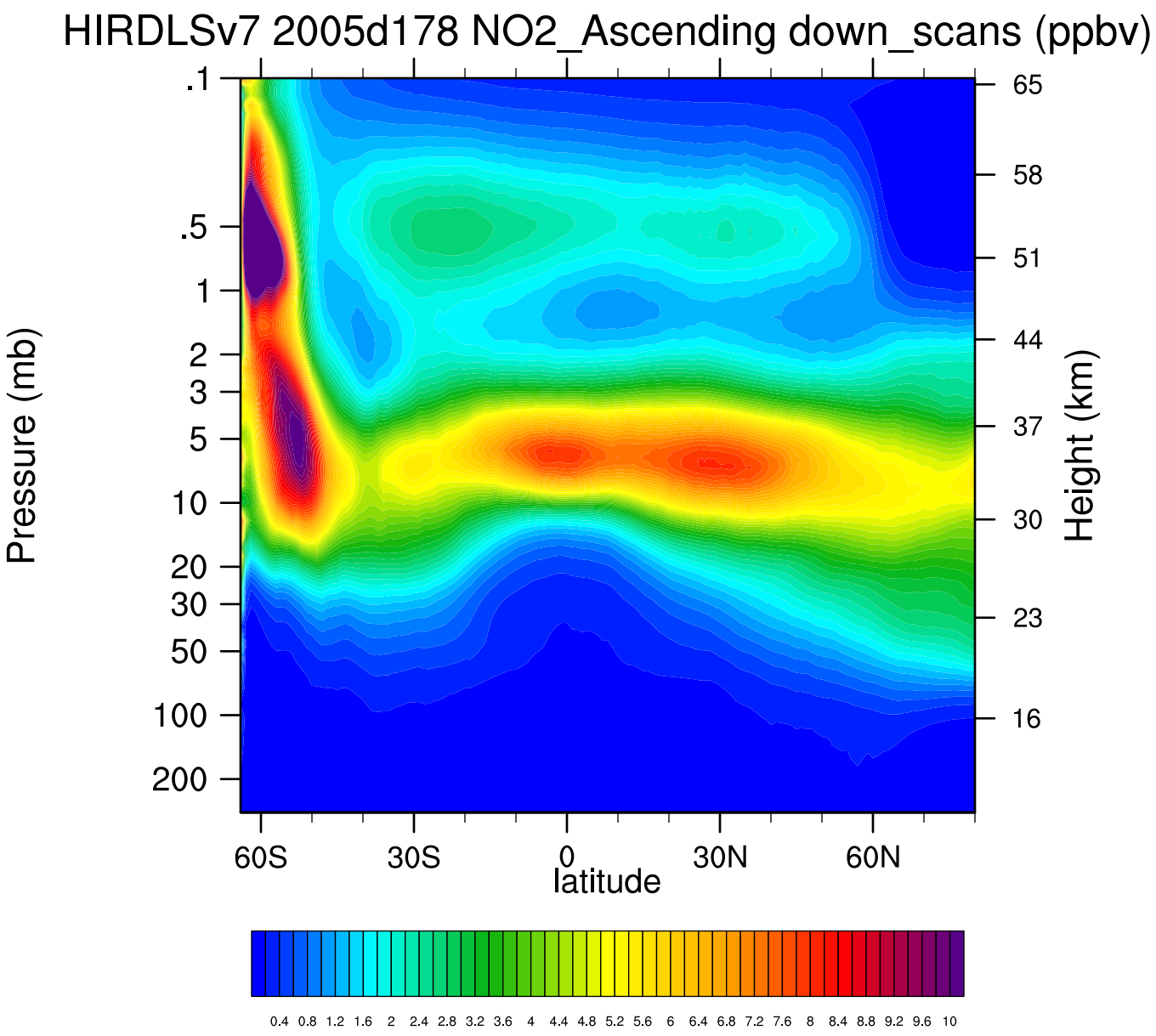

HIRDLSv7 2005d173 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

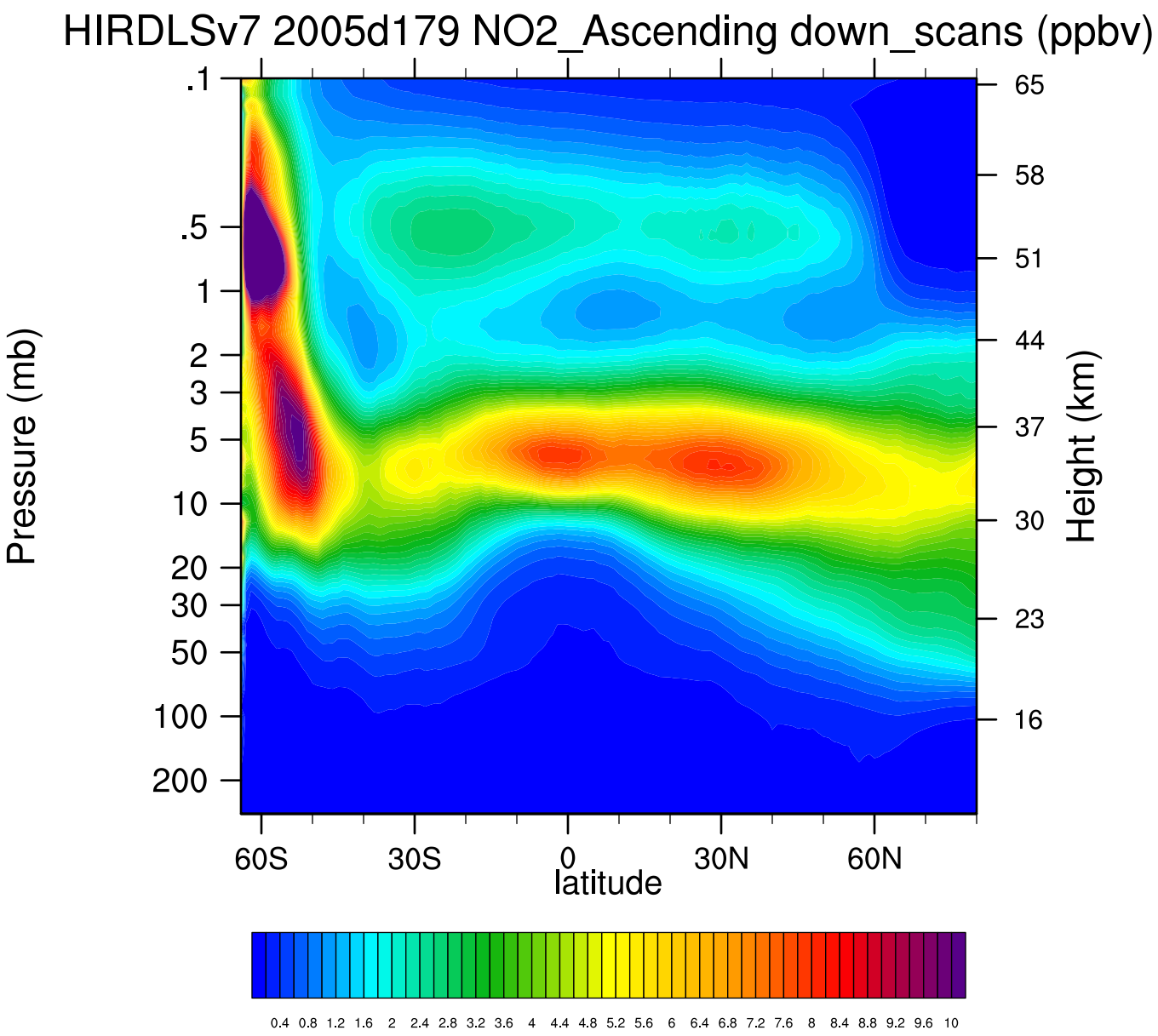

HIRDLSv7 2005d174 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

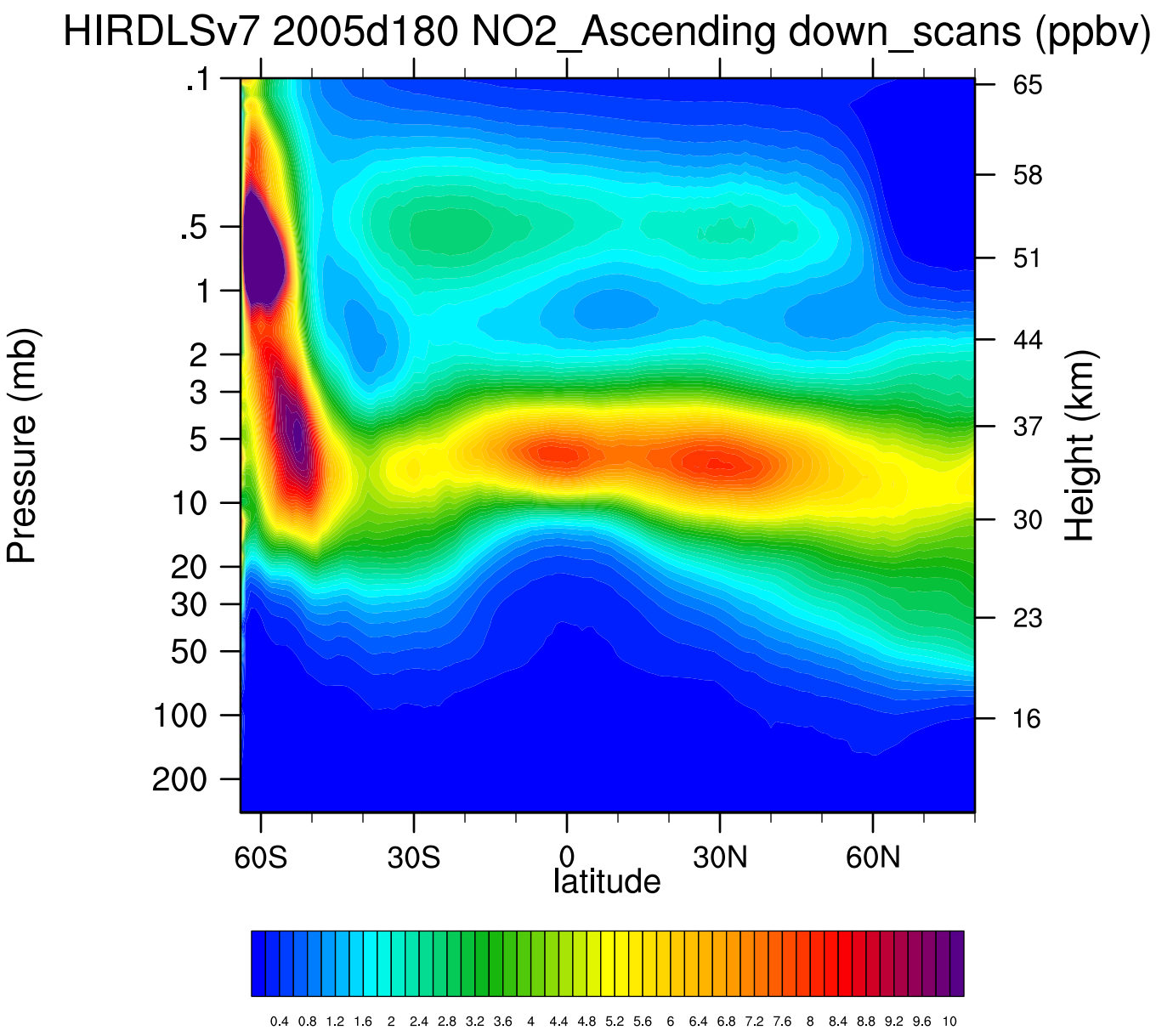

HIRDLSv7 2005d175 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

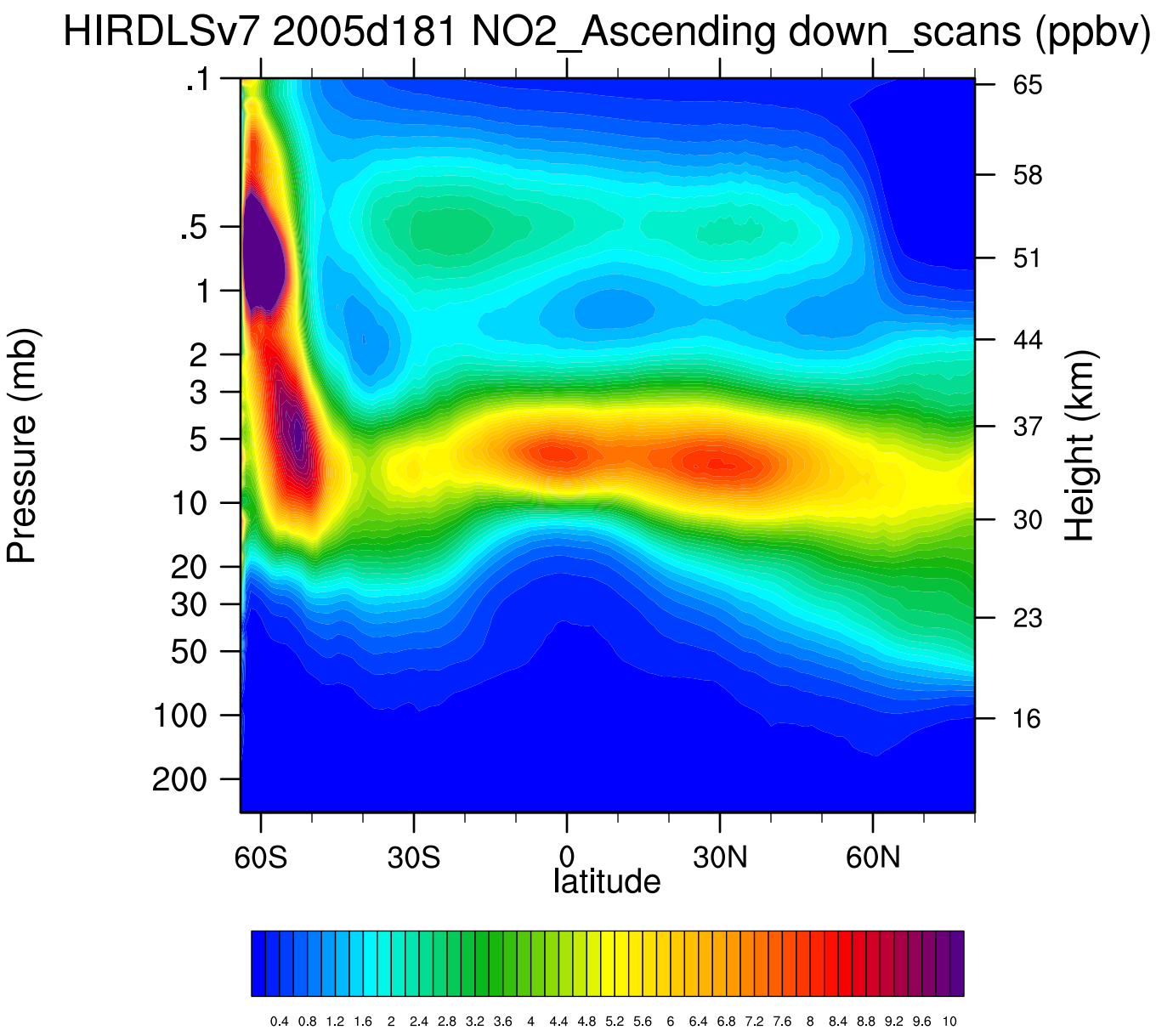

HIRDLSv7 2005d176 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

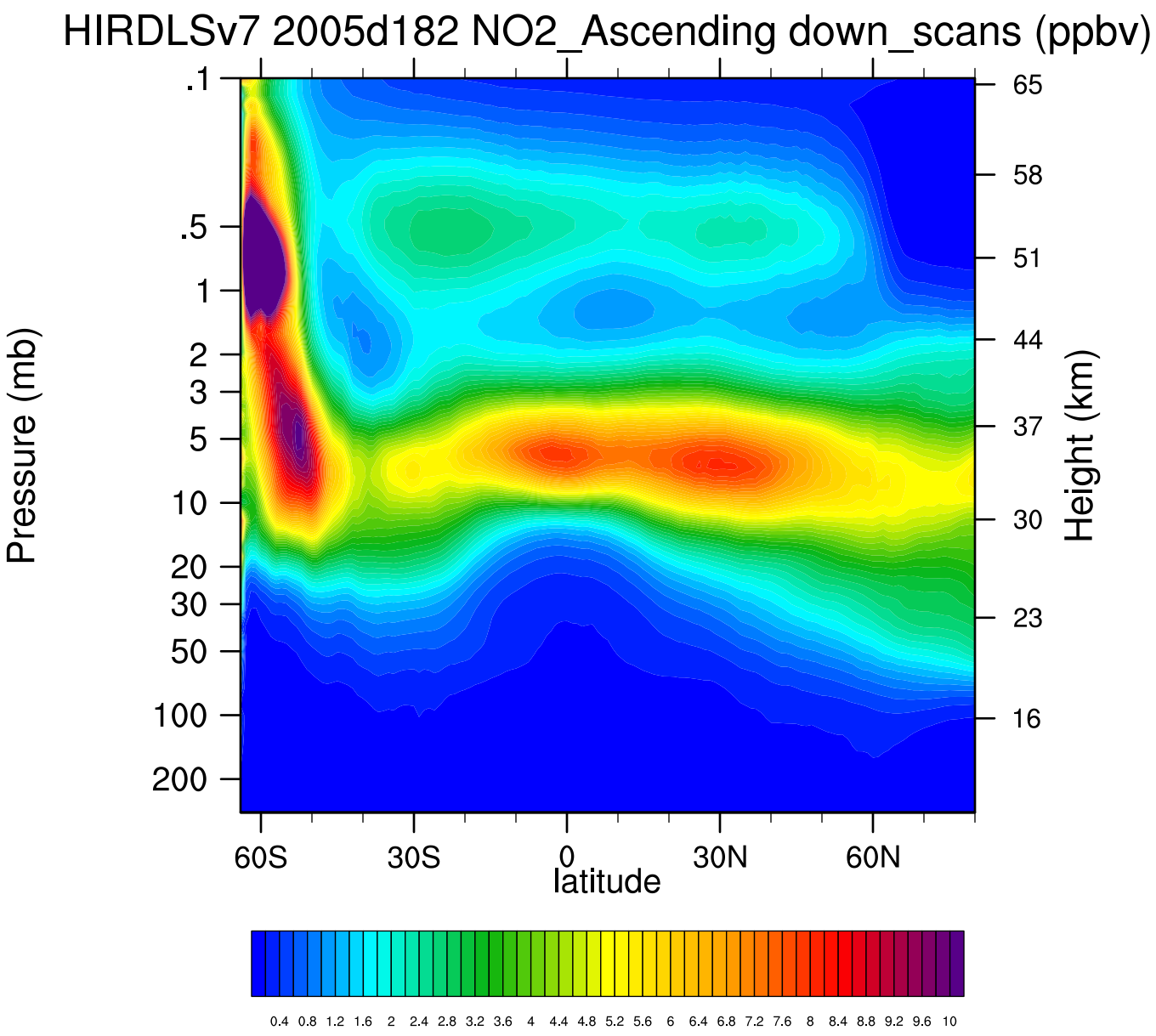

HIRDLSv7 2005d177 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

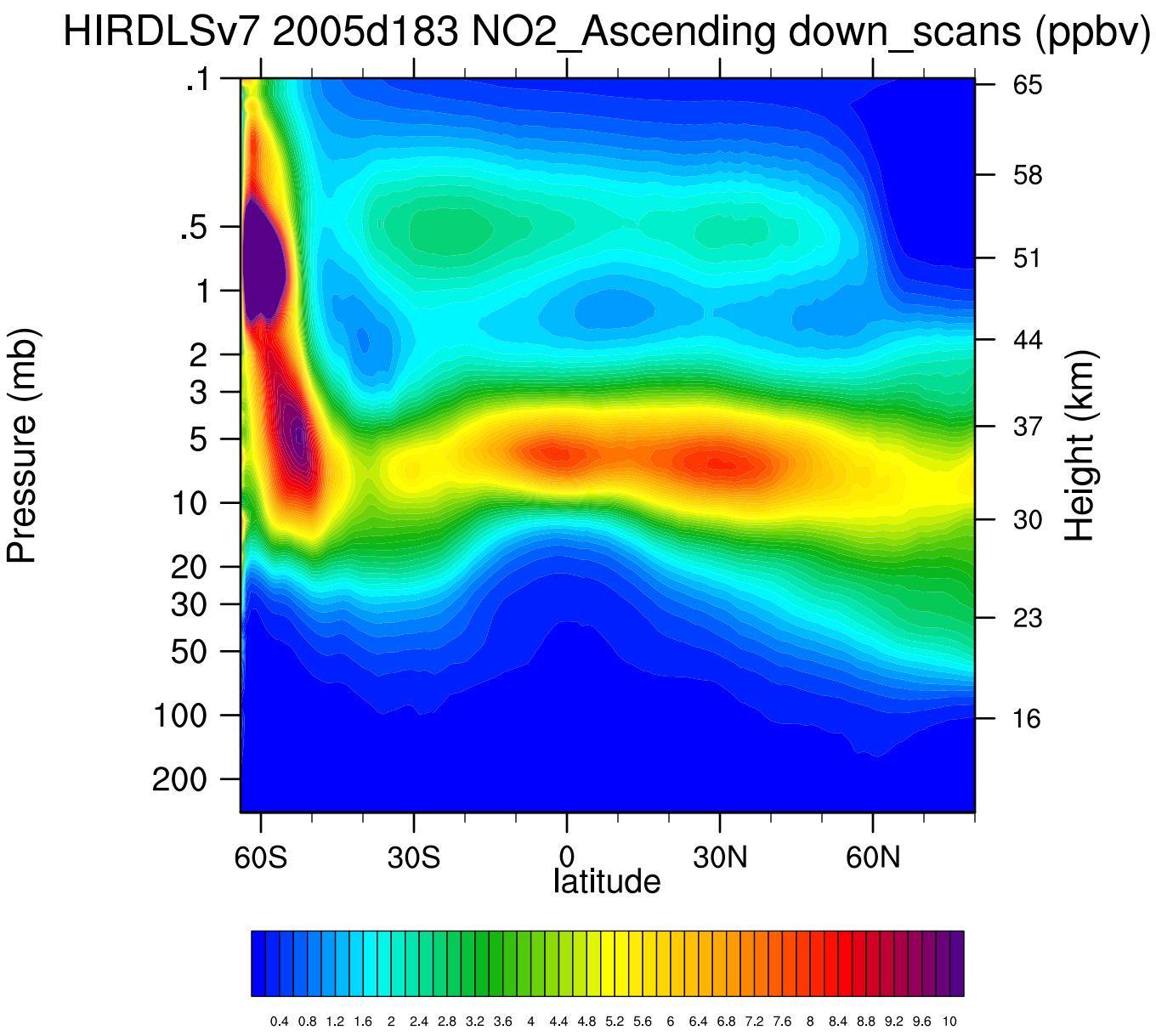

HIRDLSv7 2005d178 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

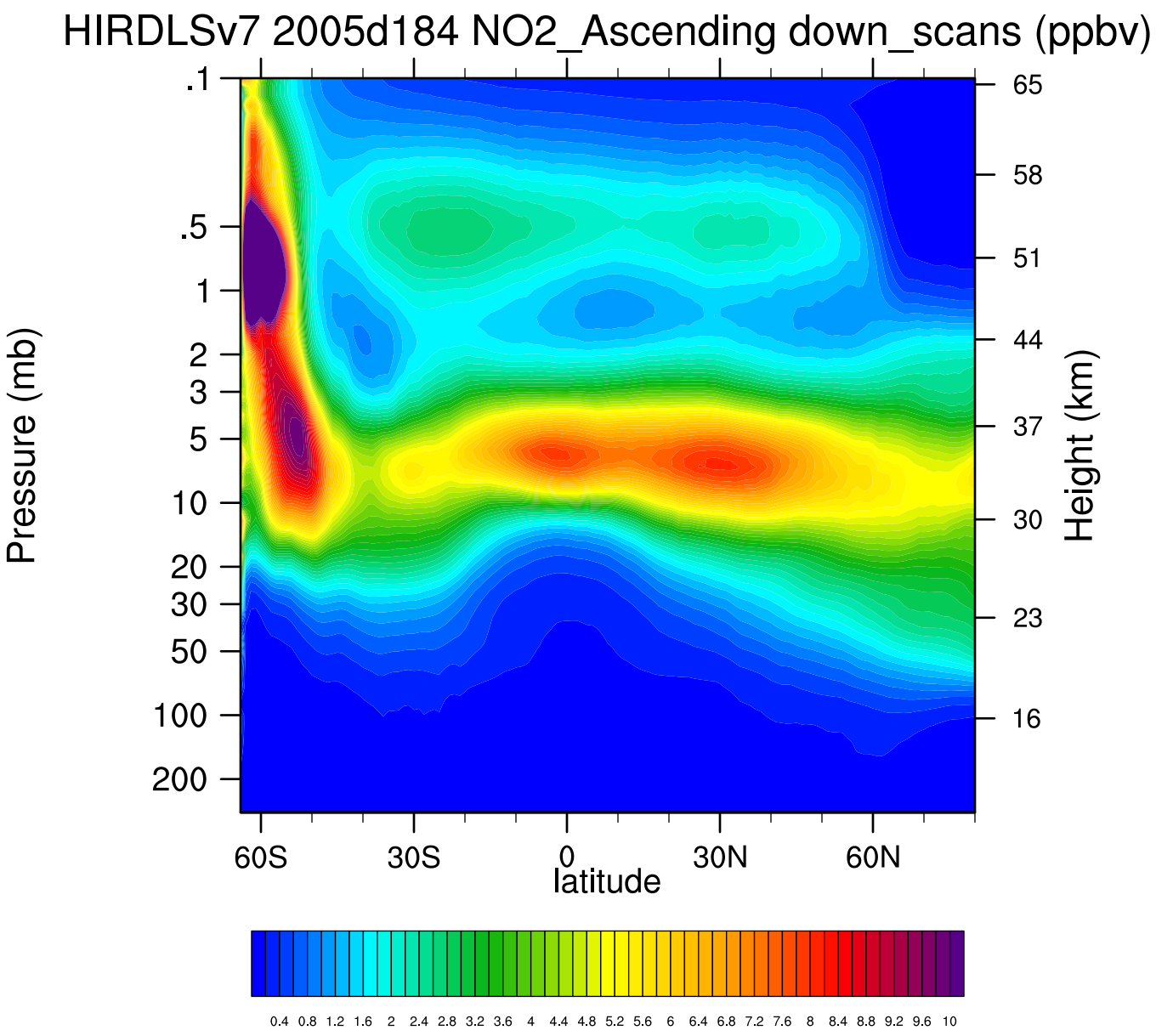

HIRDLSv7 2005d179 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

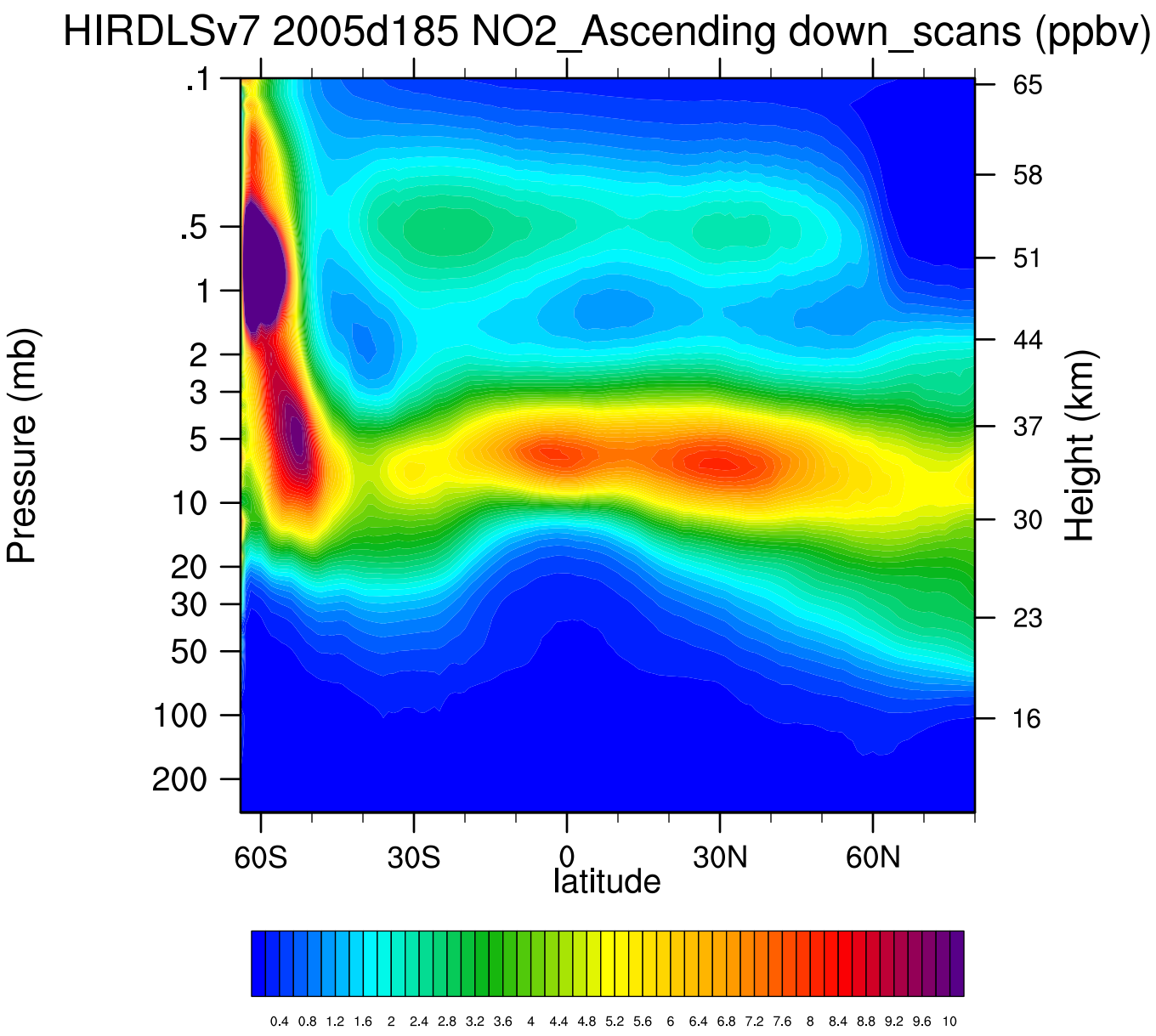

HIRDLSv7 2005d180 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

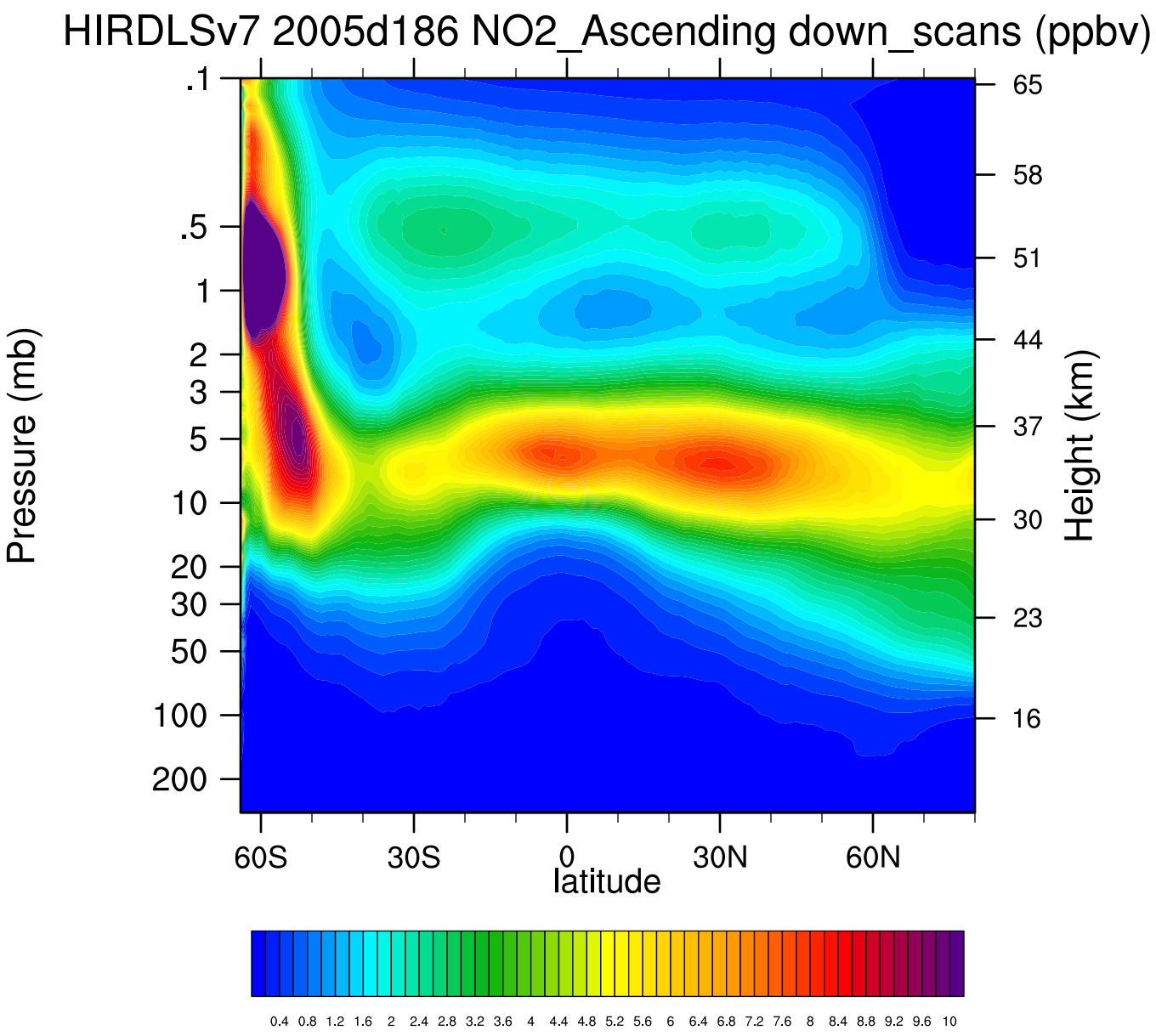

HIRDLSv7 2005d181 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

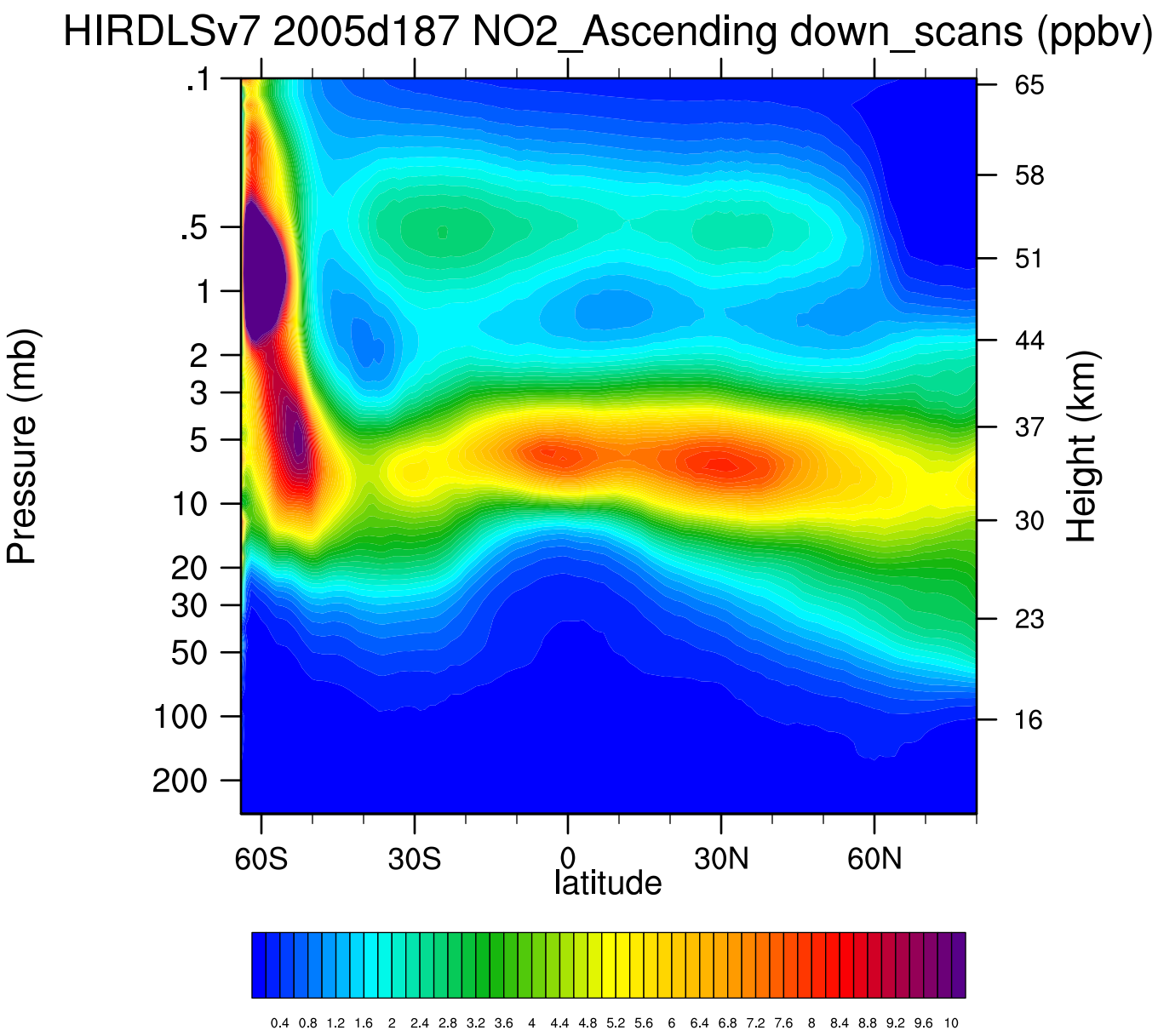

HIRDLSv7 2005d182 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

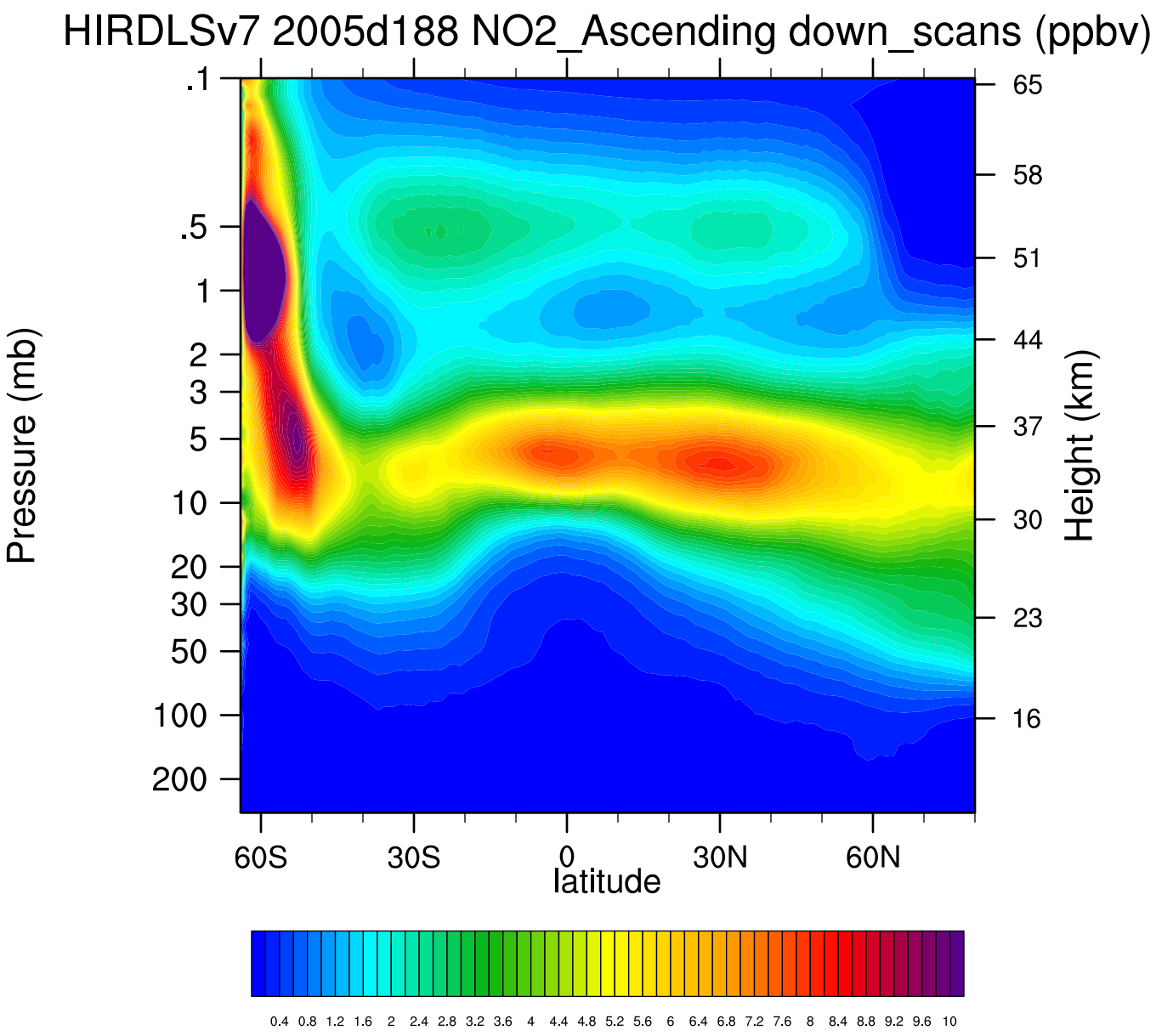

HIRDLSv7 2005d183 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

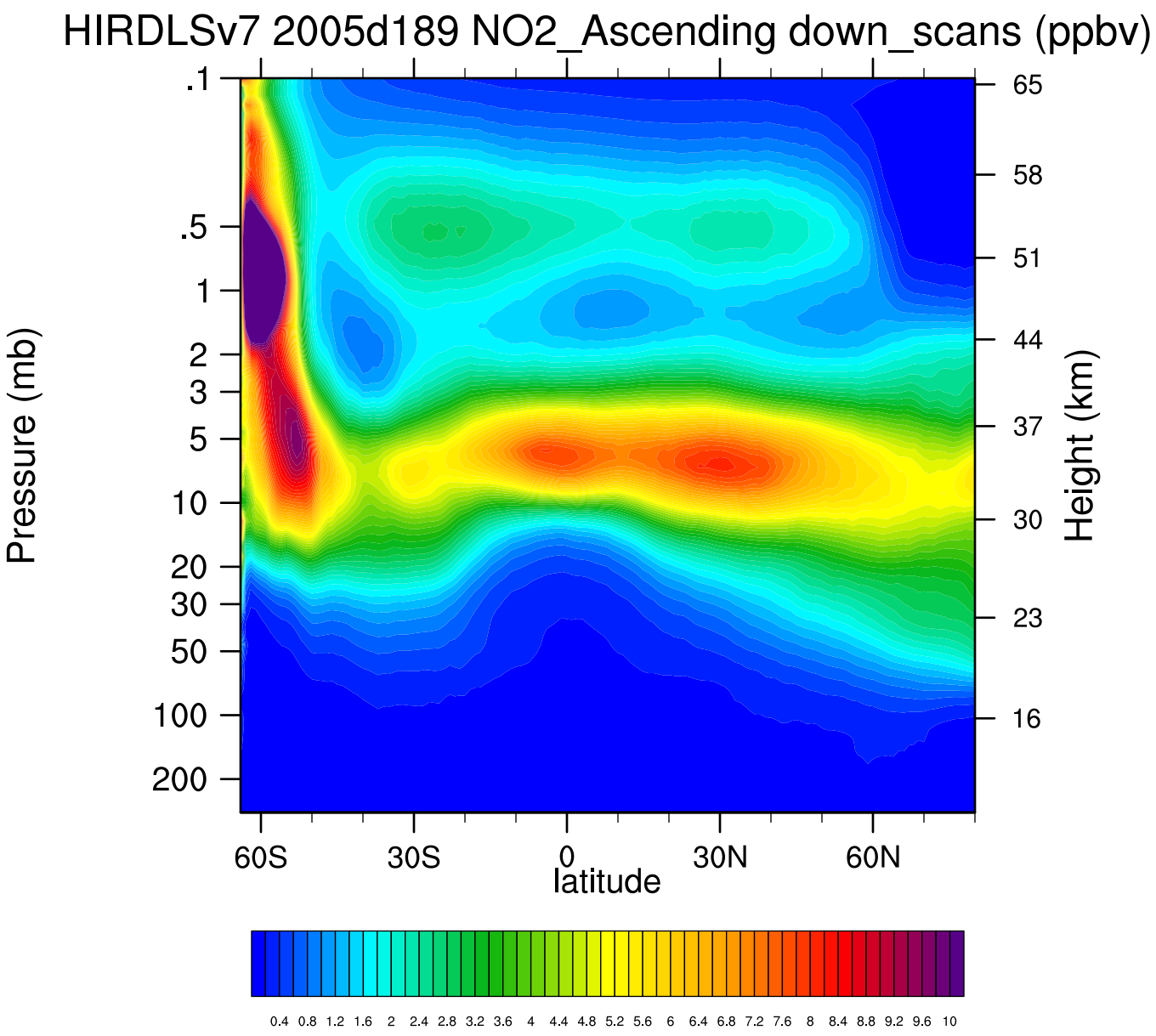

HIRDLSv7 2005d184 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

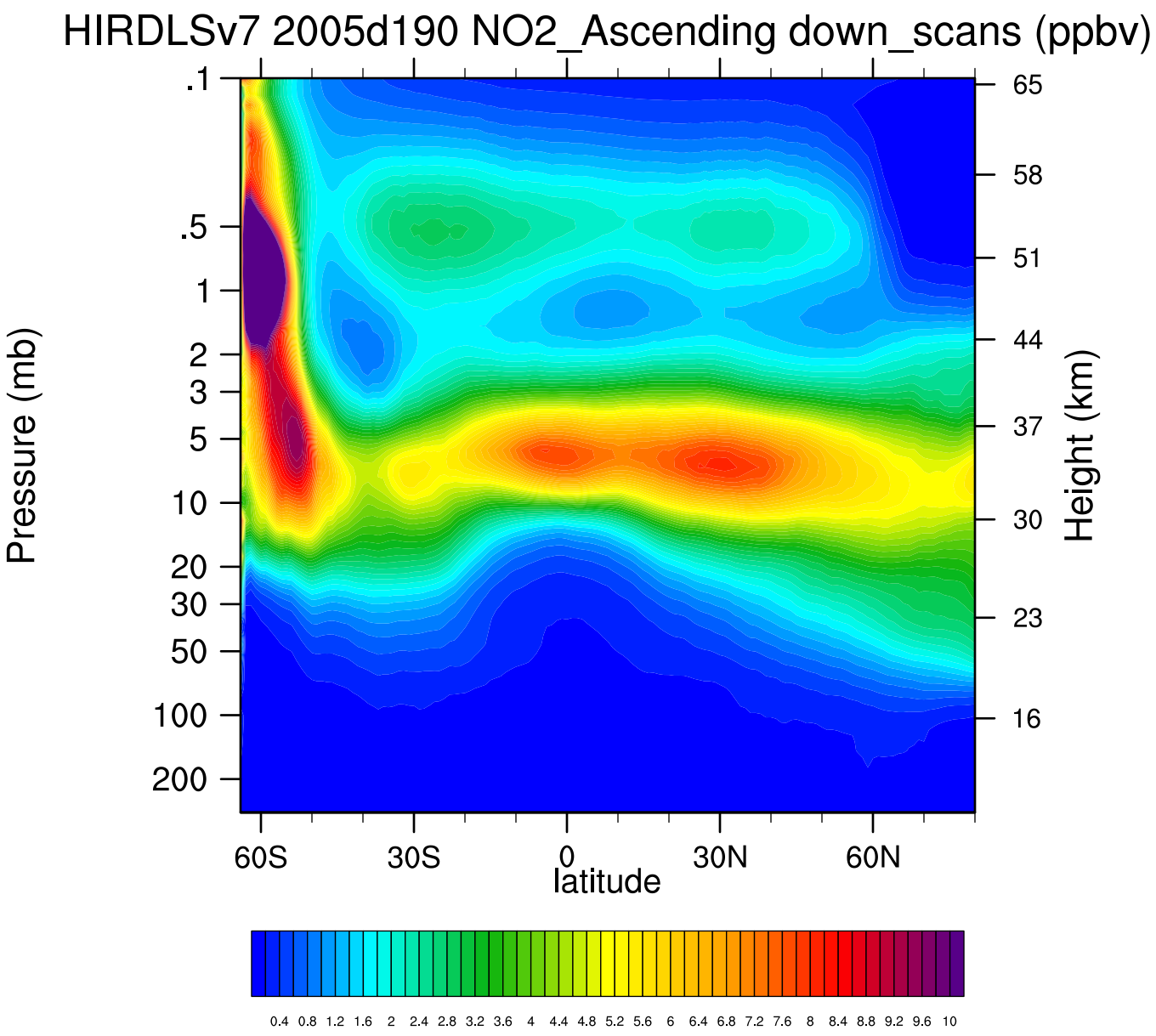

HIRDLSv7 2005d185 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

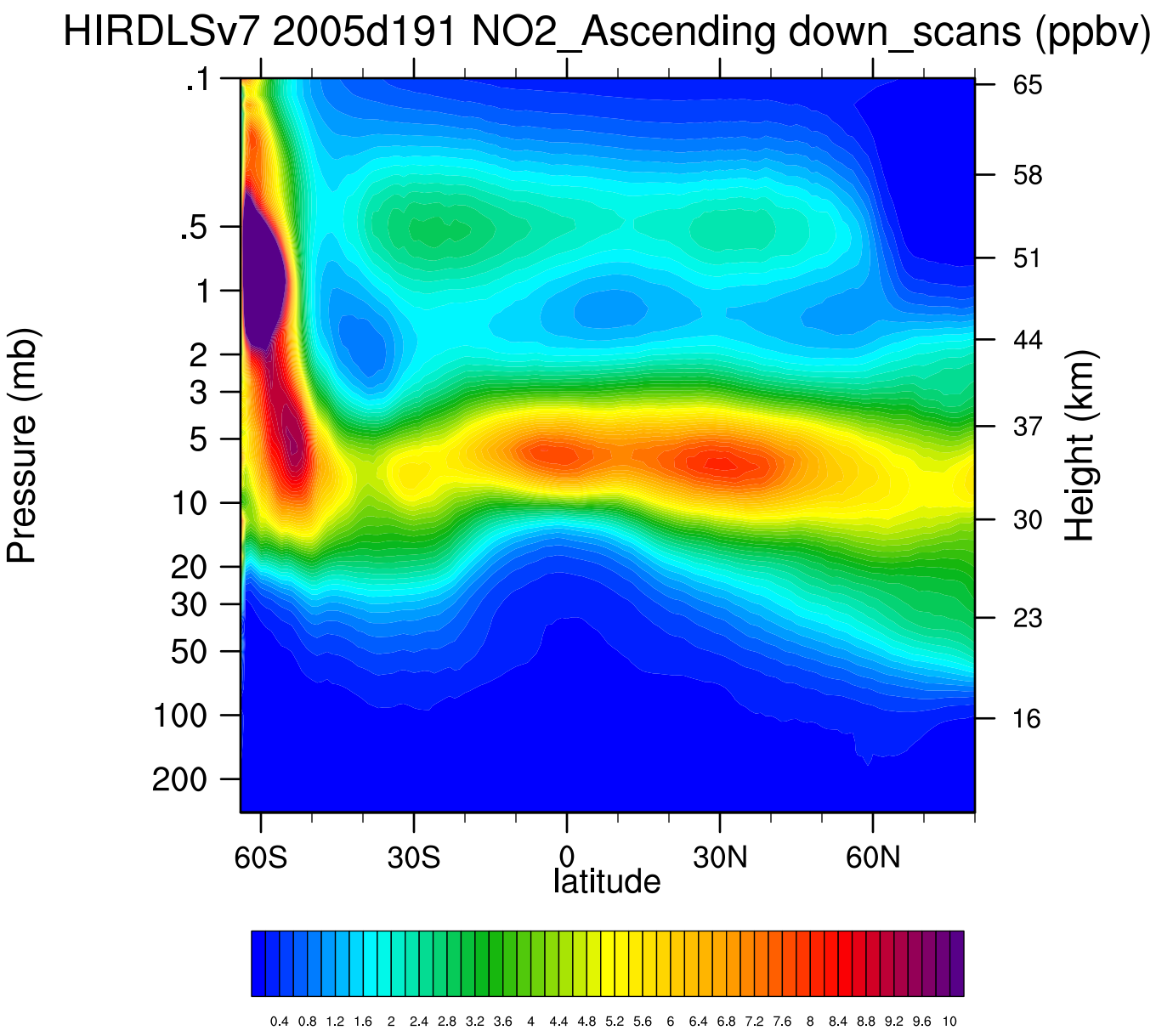

HIRDLSv7 2005d186 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

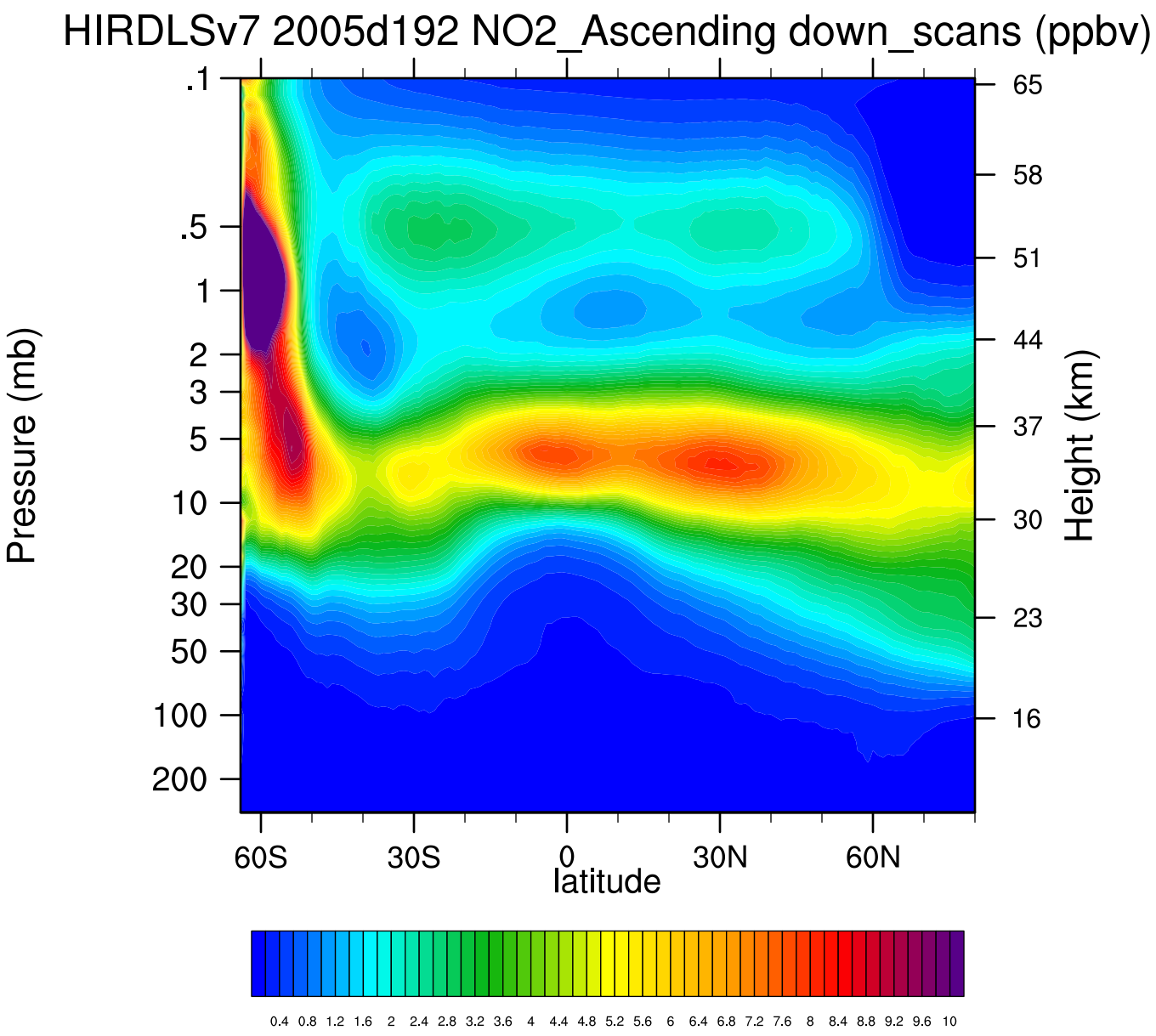

HIRDLSv7 2005d187 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

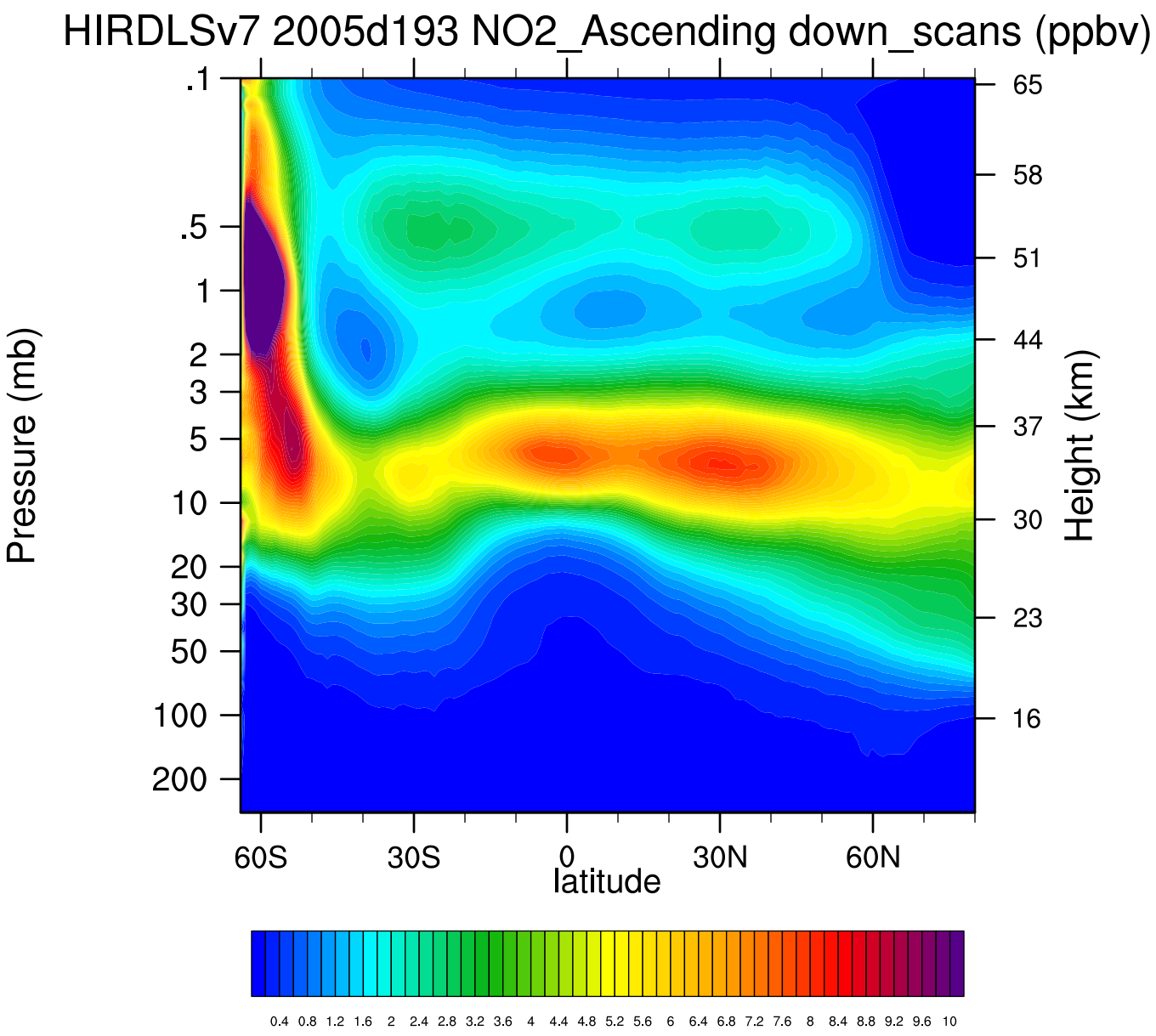

HIRDLSv7 2005d188 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

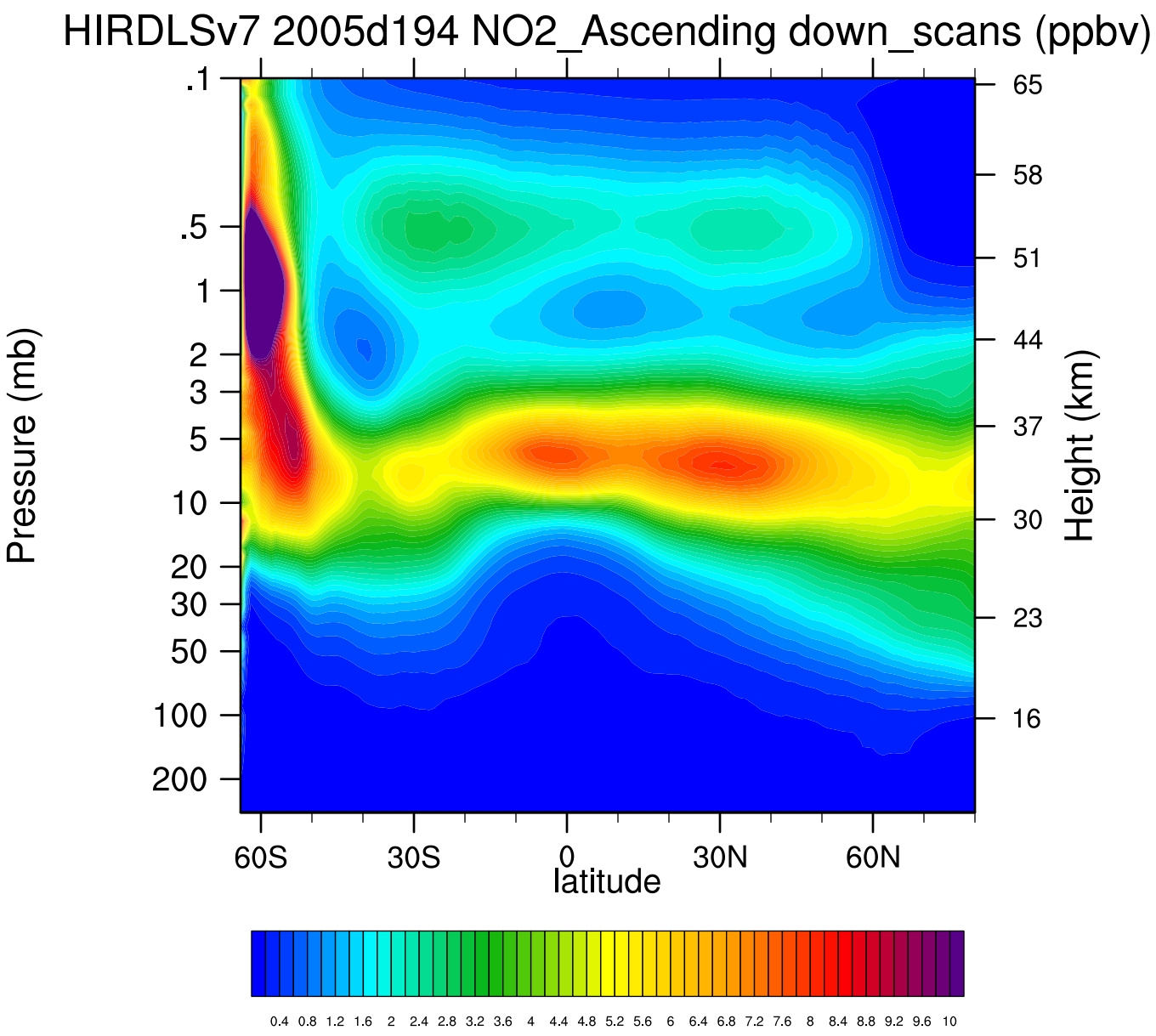

HIRDLSv7 2005d189 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

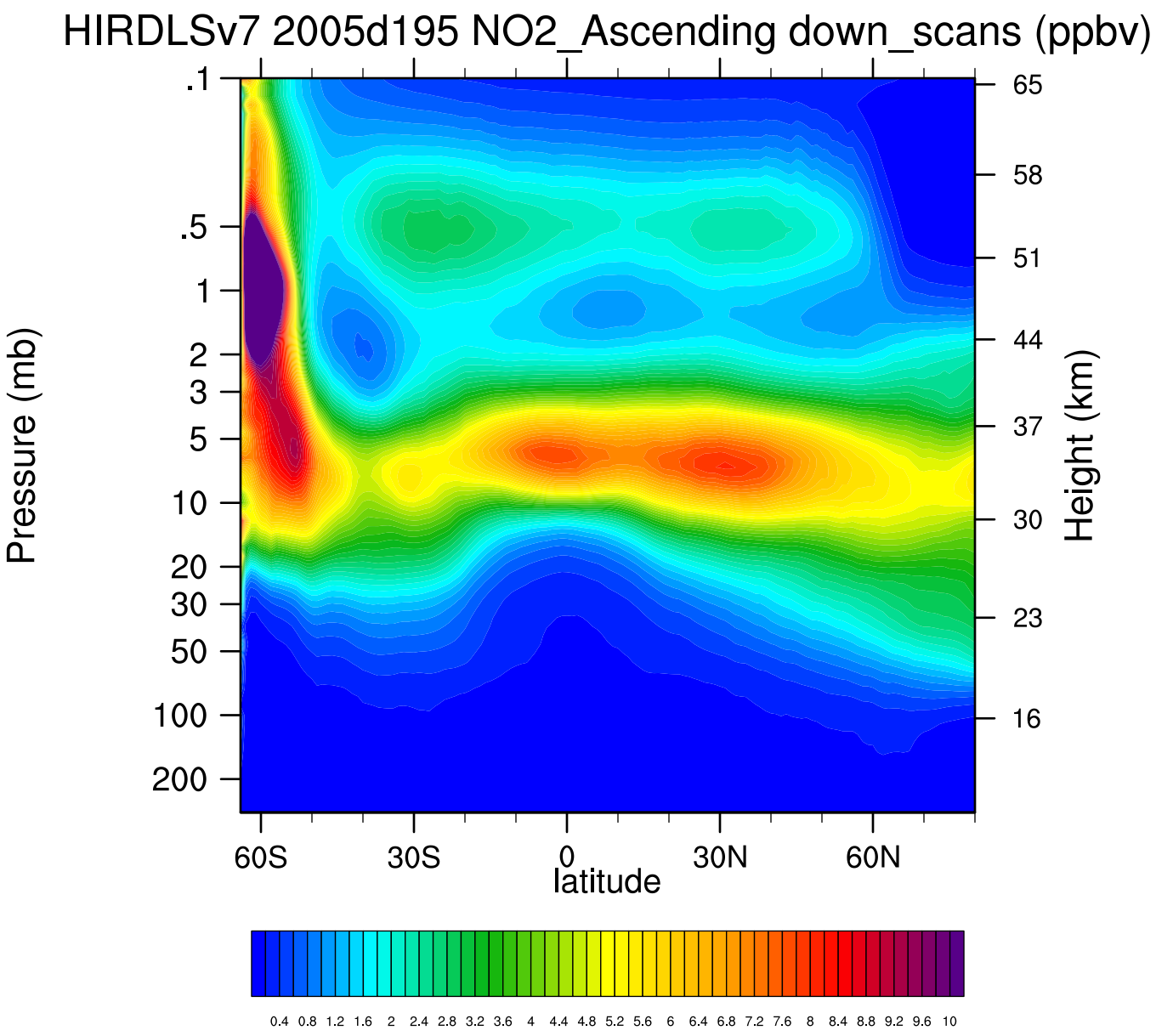

HIRDLSv7 2005d190 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

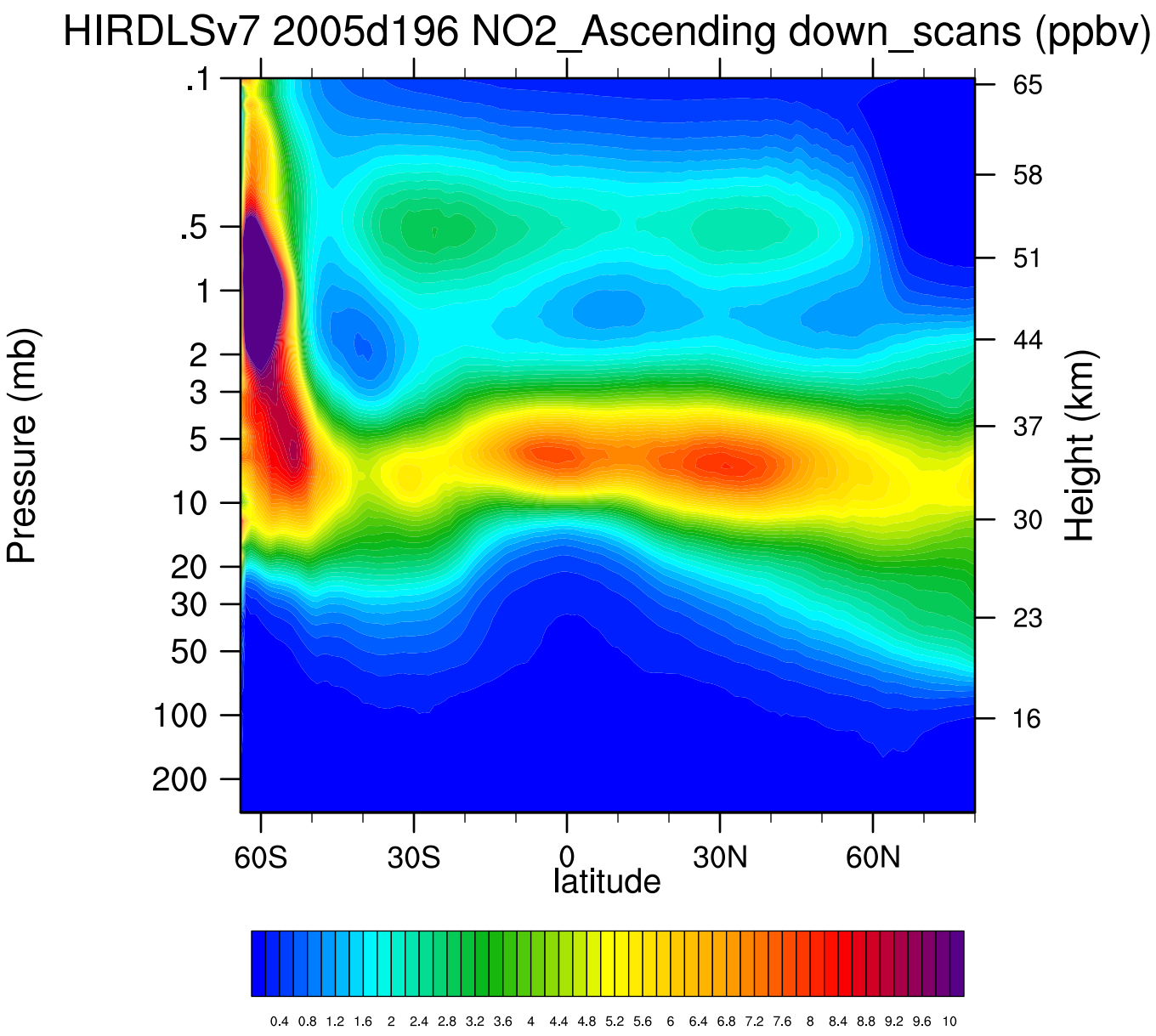

HIRDLSv7 2005d191 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

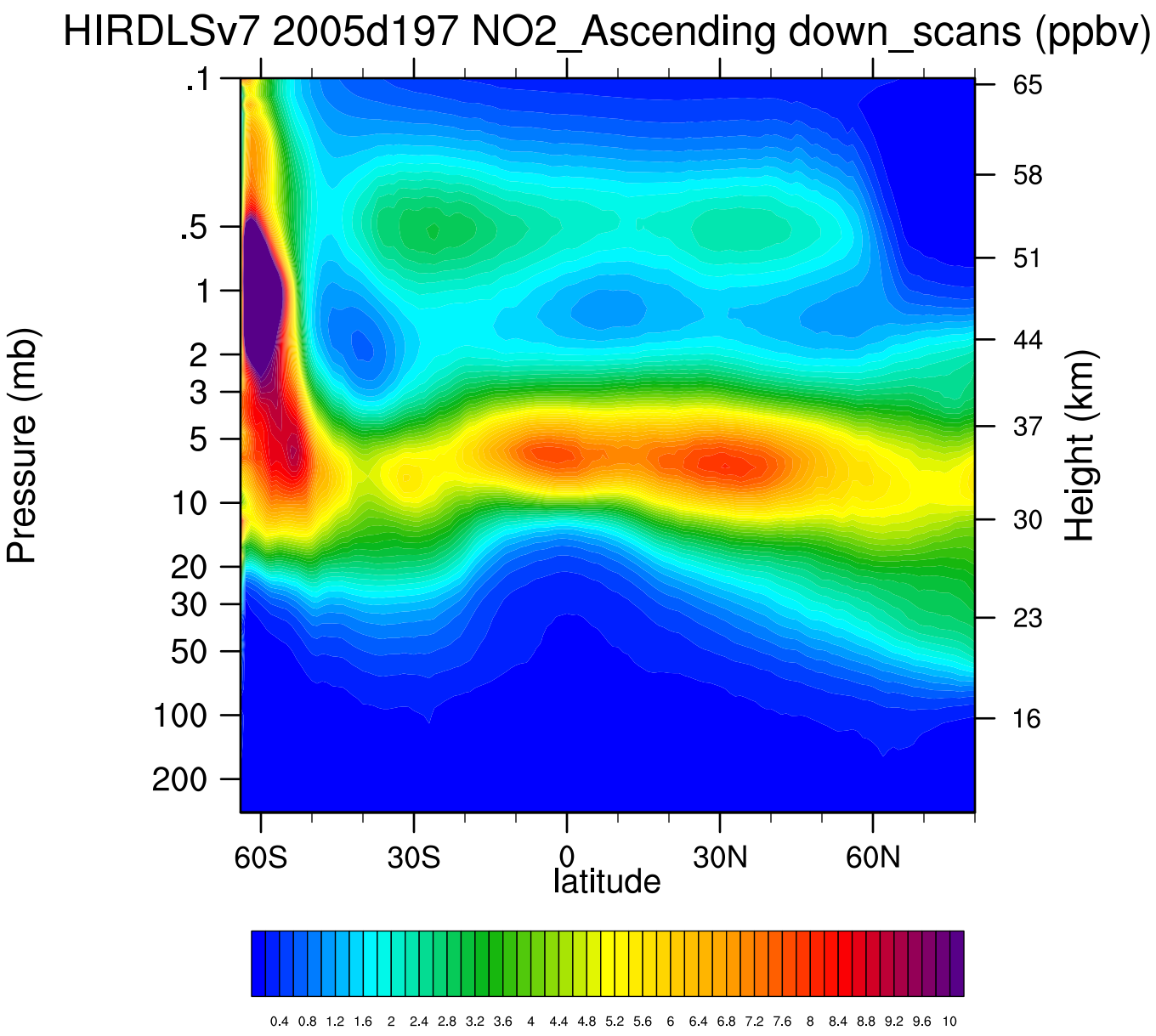

HIRDLSv7 2005d192 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

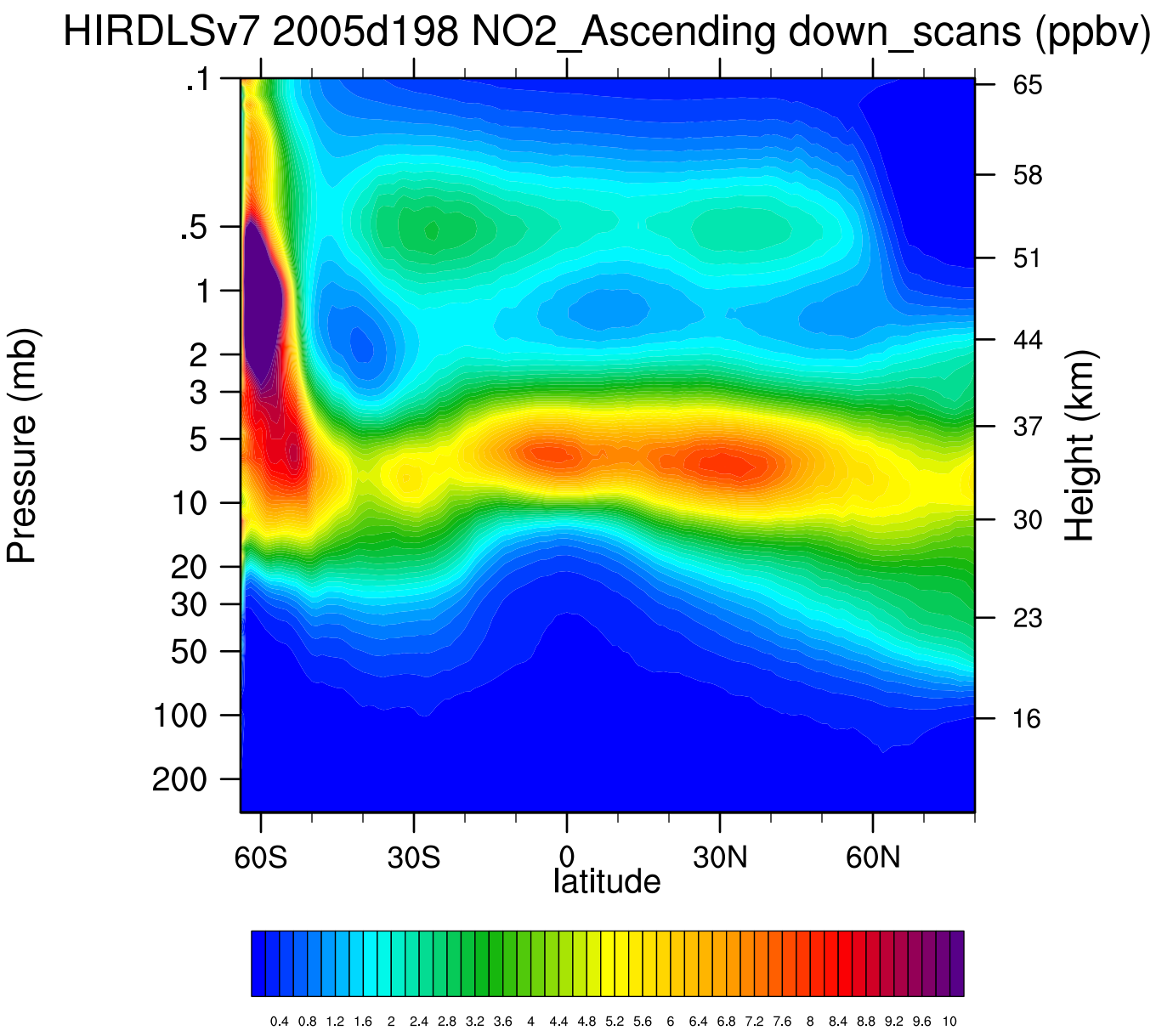

HIRDLSv7 2005d193 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

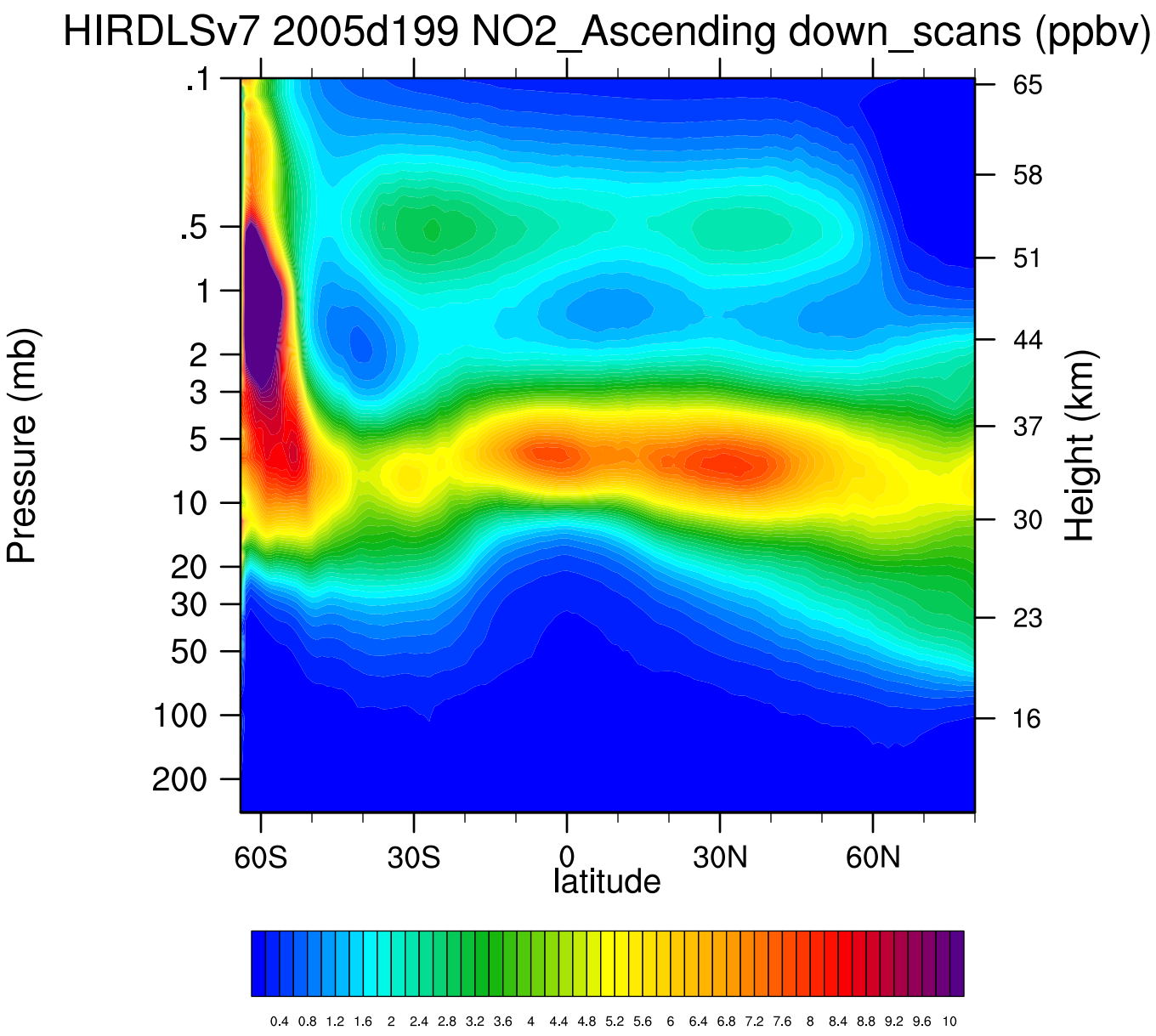

HIRDLSv7 2005d194 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

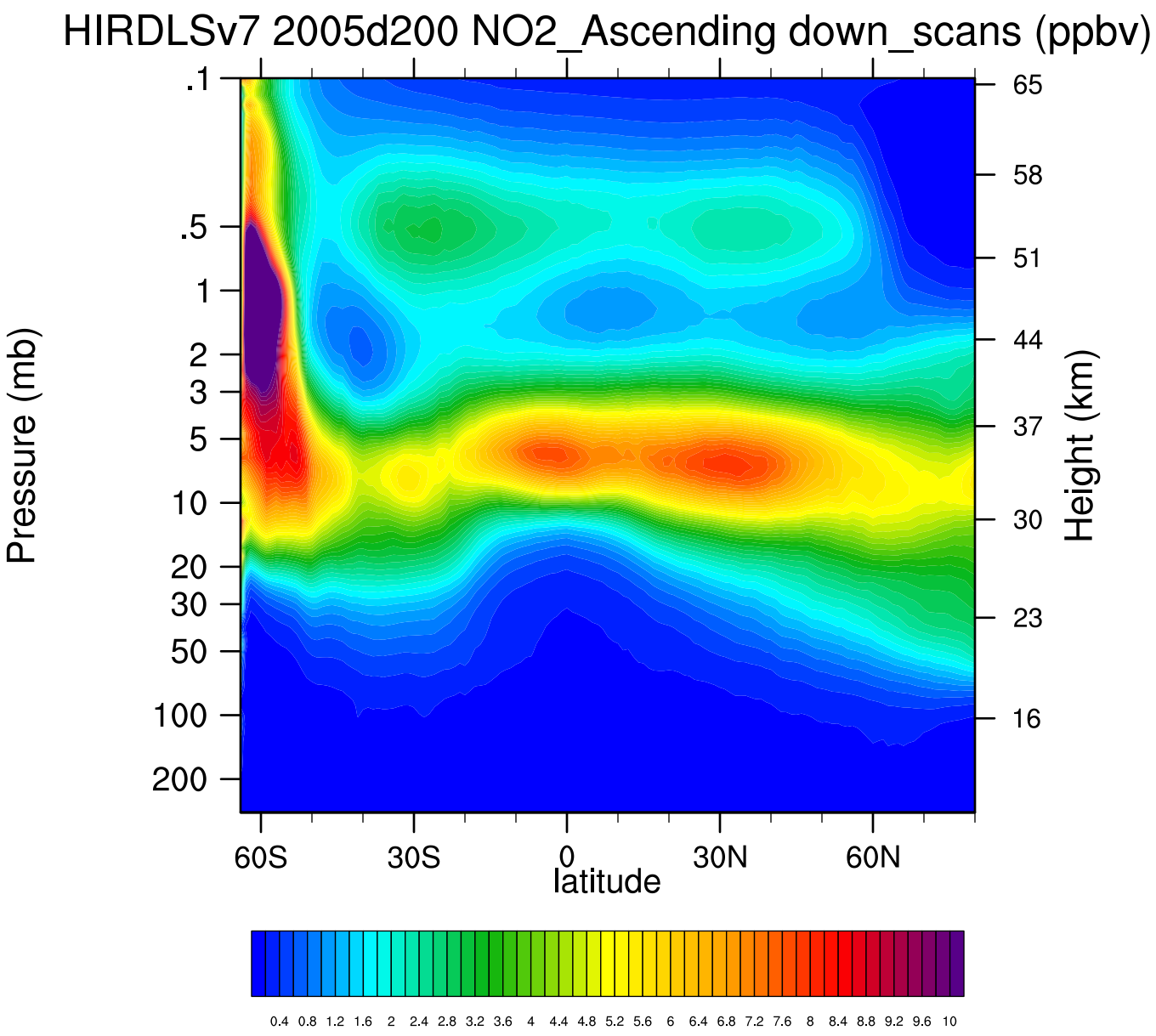

HIRDLSv7 2005d195 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

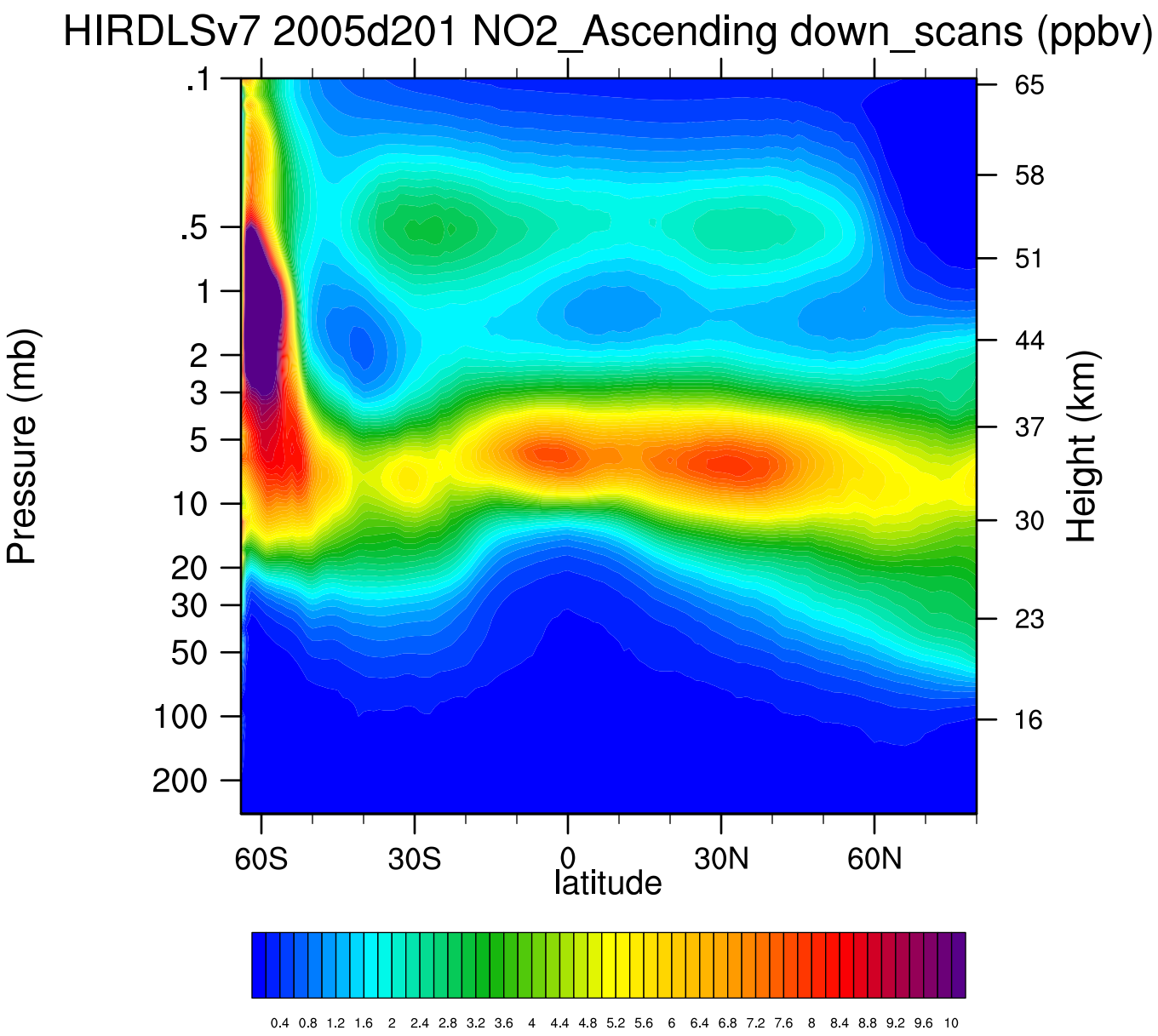

HIRDLSv7 2005d196 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

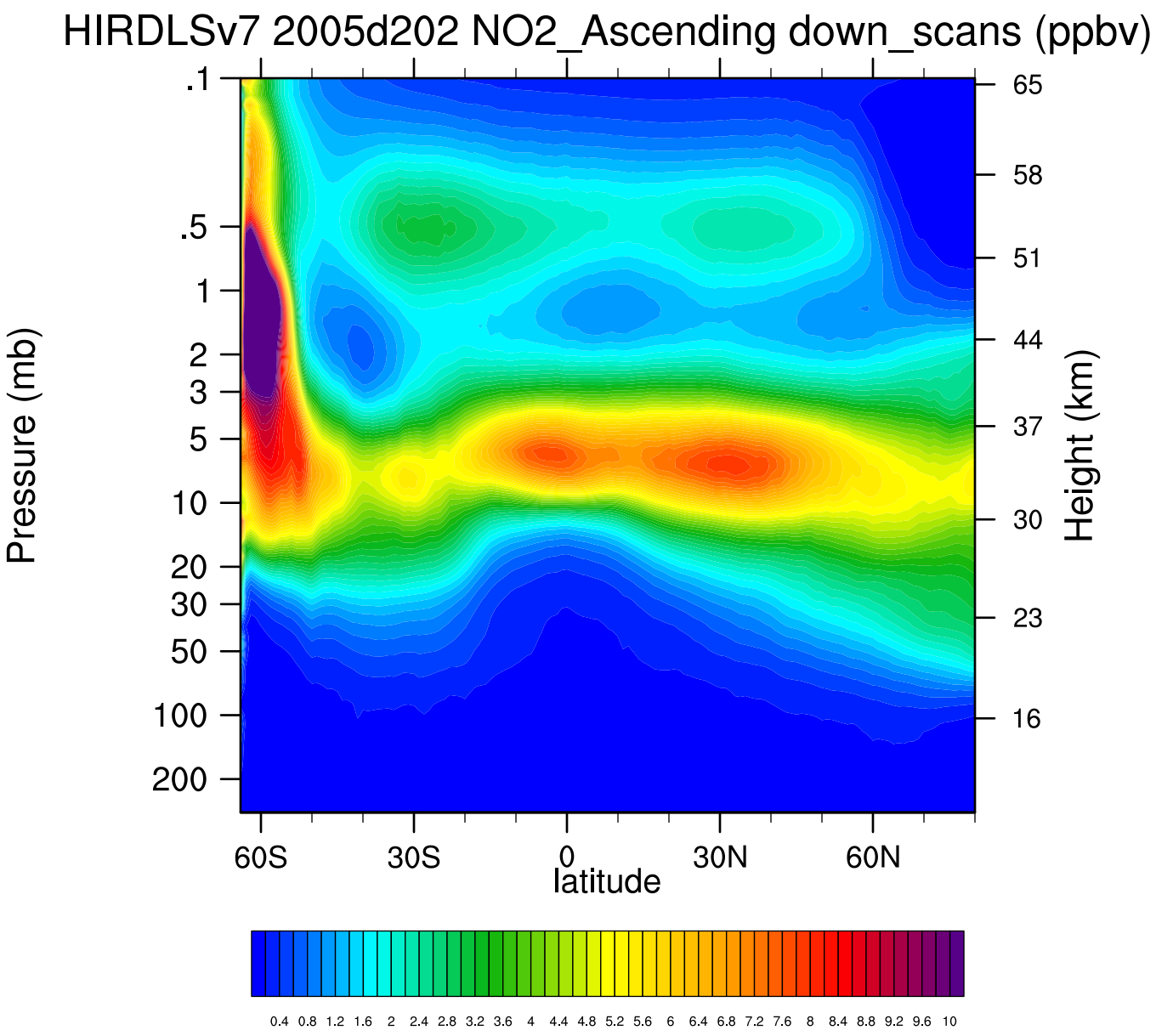

HIRDLSv7 2005d197 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

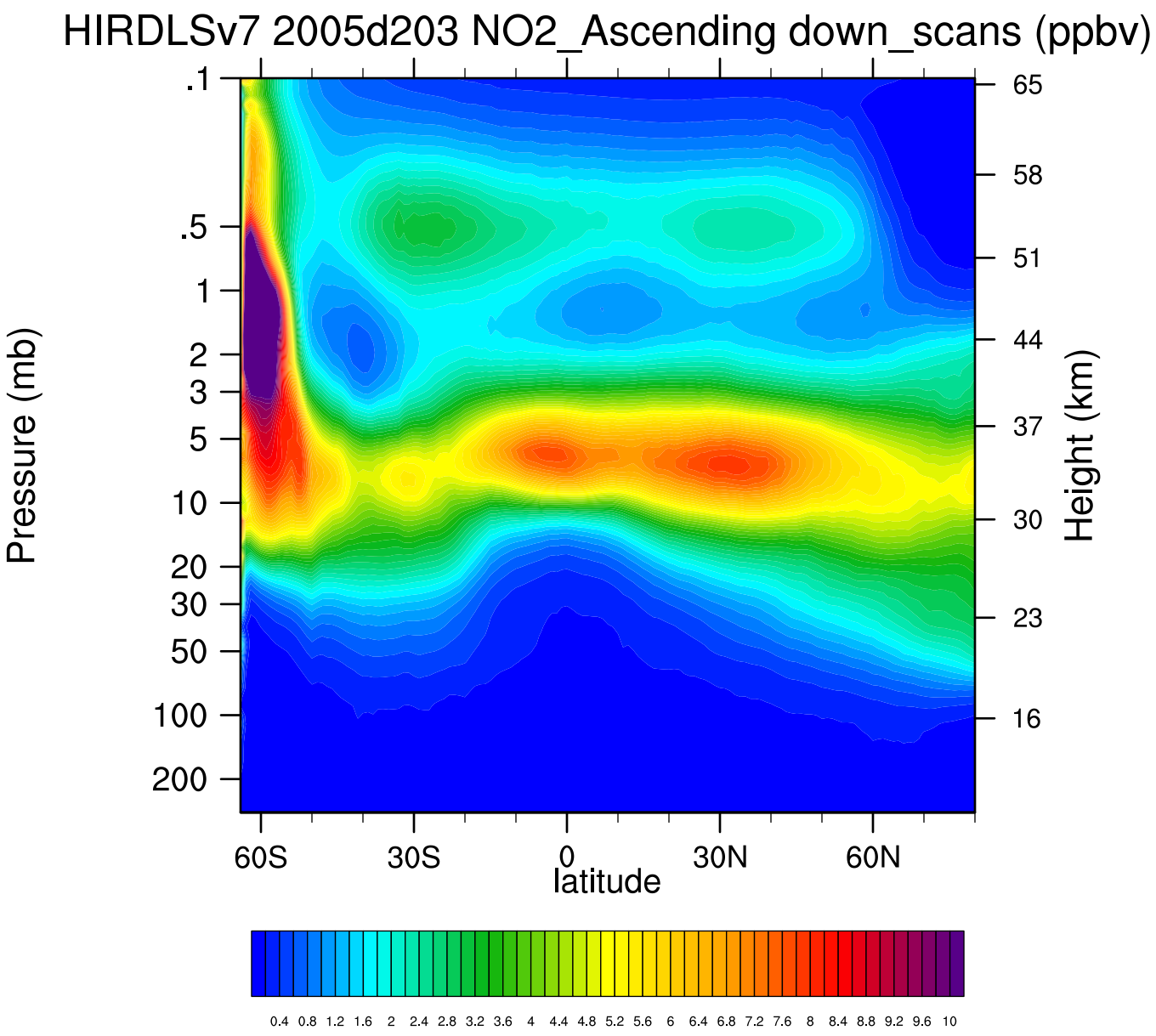

HIRDLSv7 2005d198 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

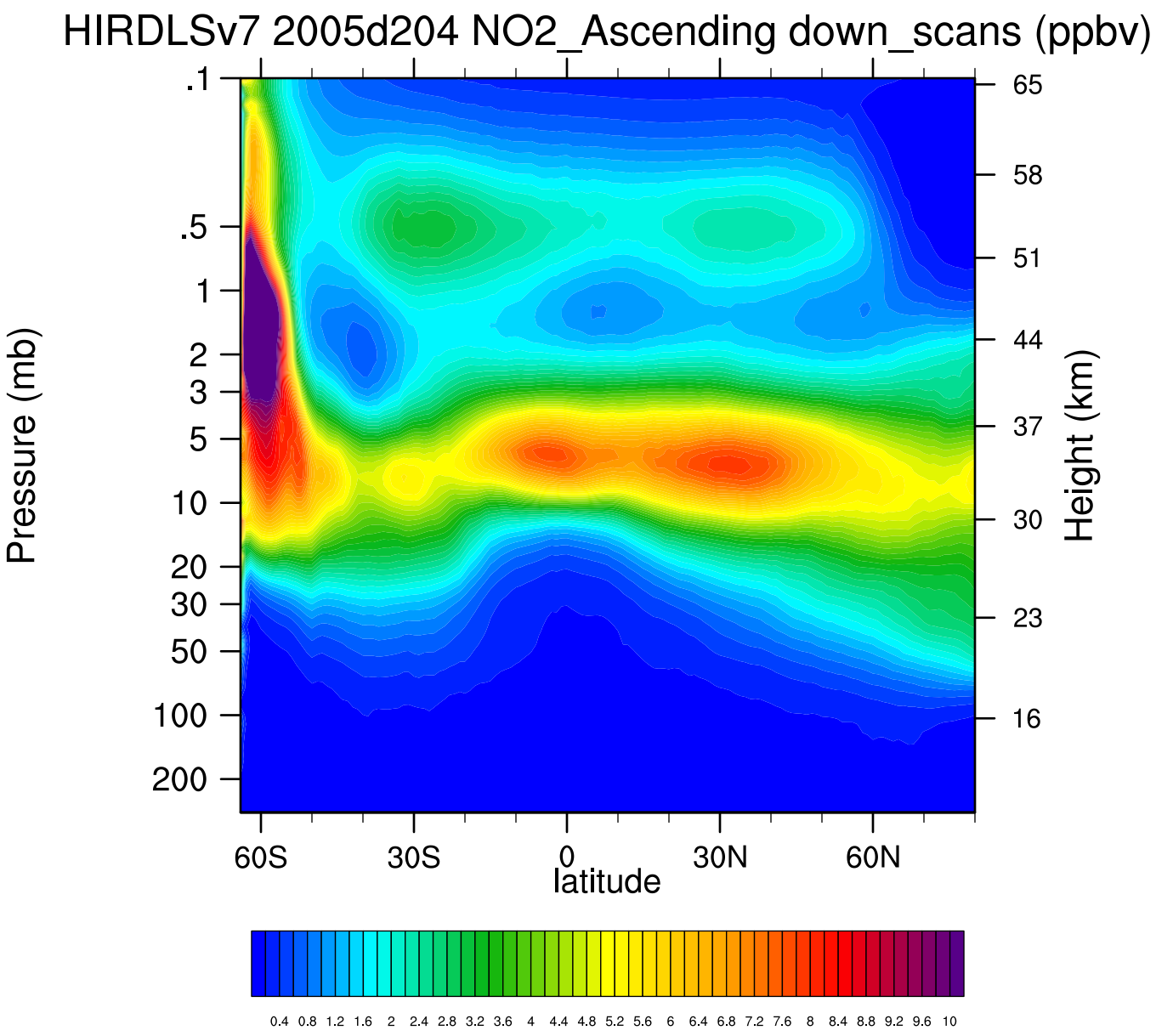

HIRDLSv7 2005d199 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

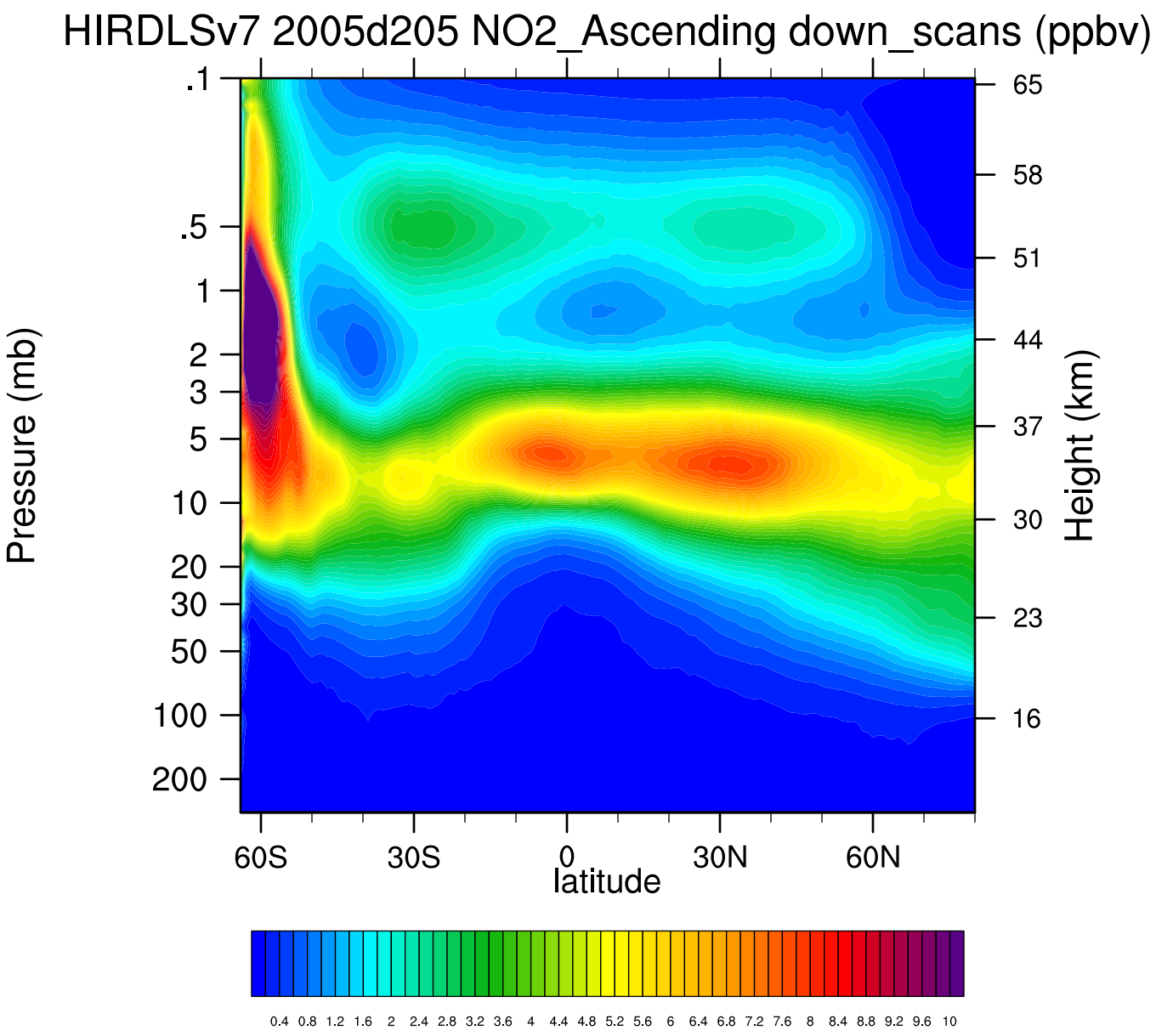

HIRDLSv7 2005d200 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

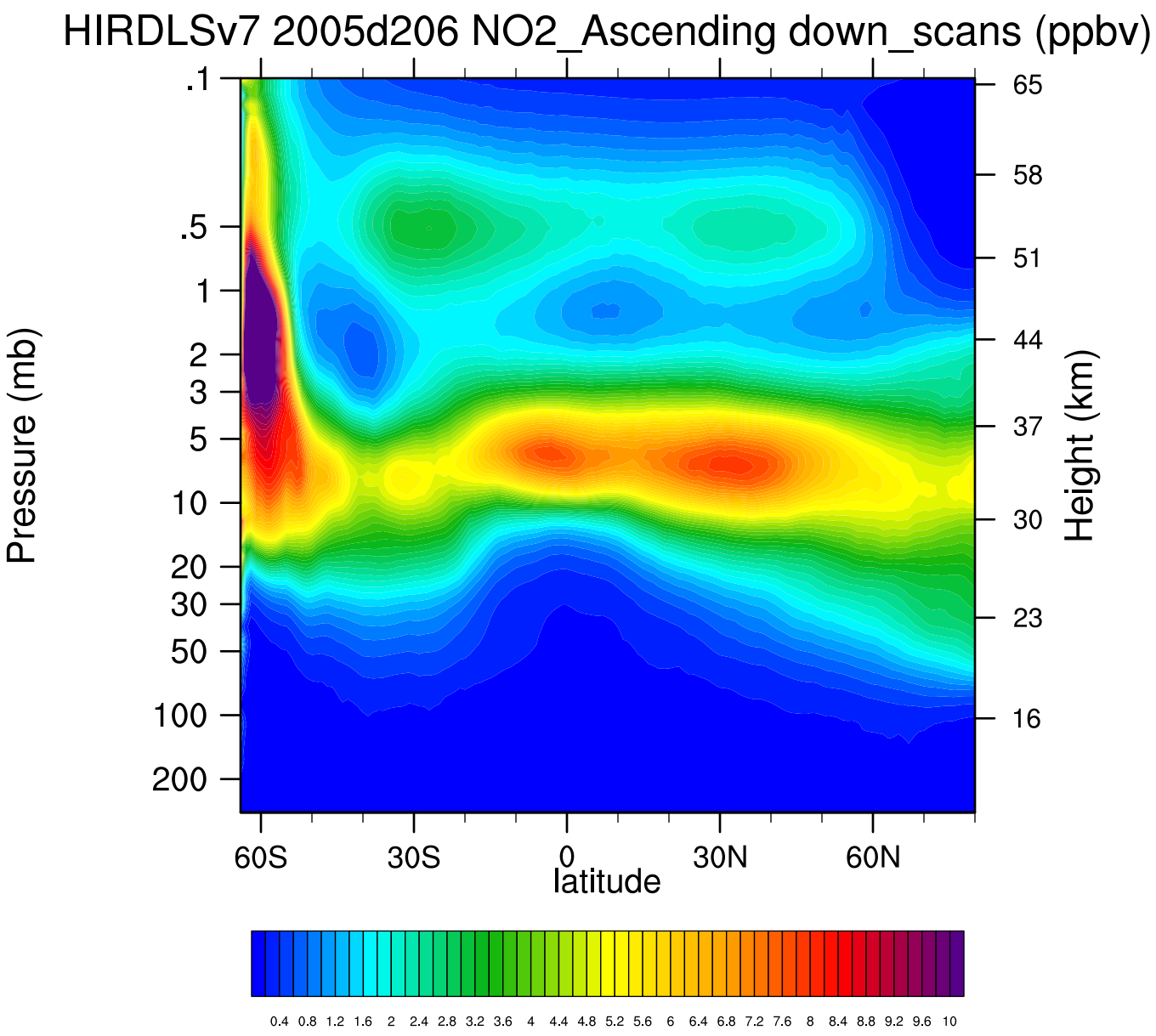

HIRDLSv7 2005d201 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

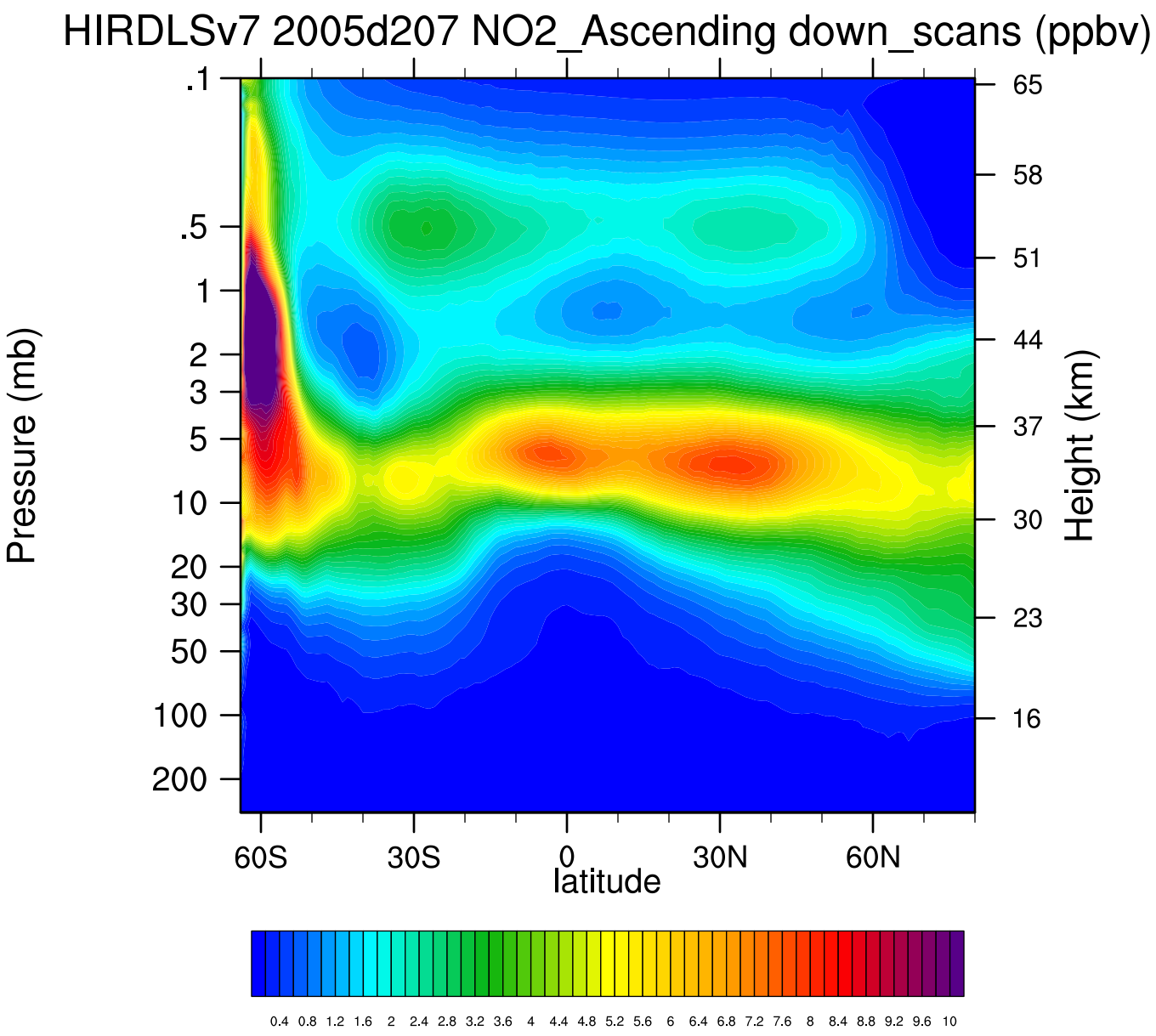

HIRDLSv7 2005d202 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

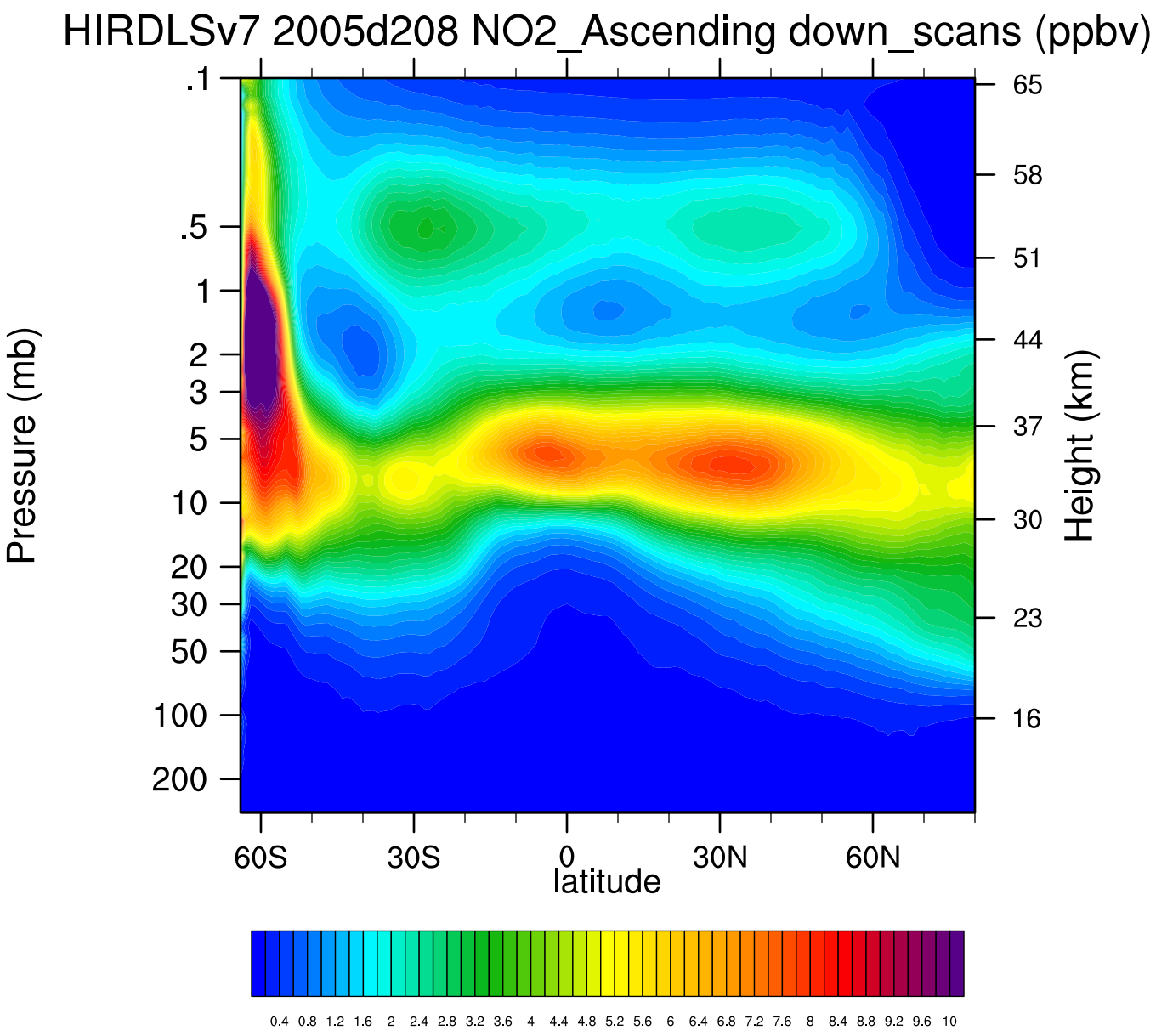

HIRDLSv7 2005d203 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

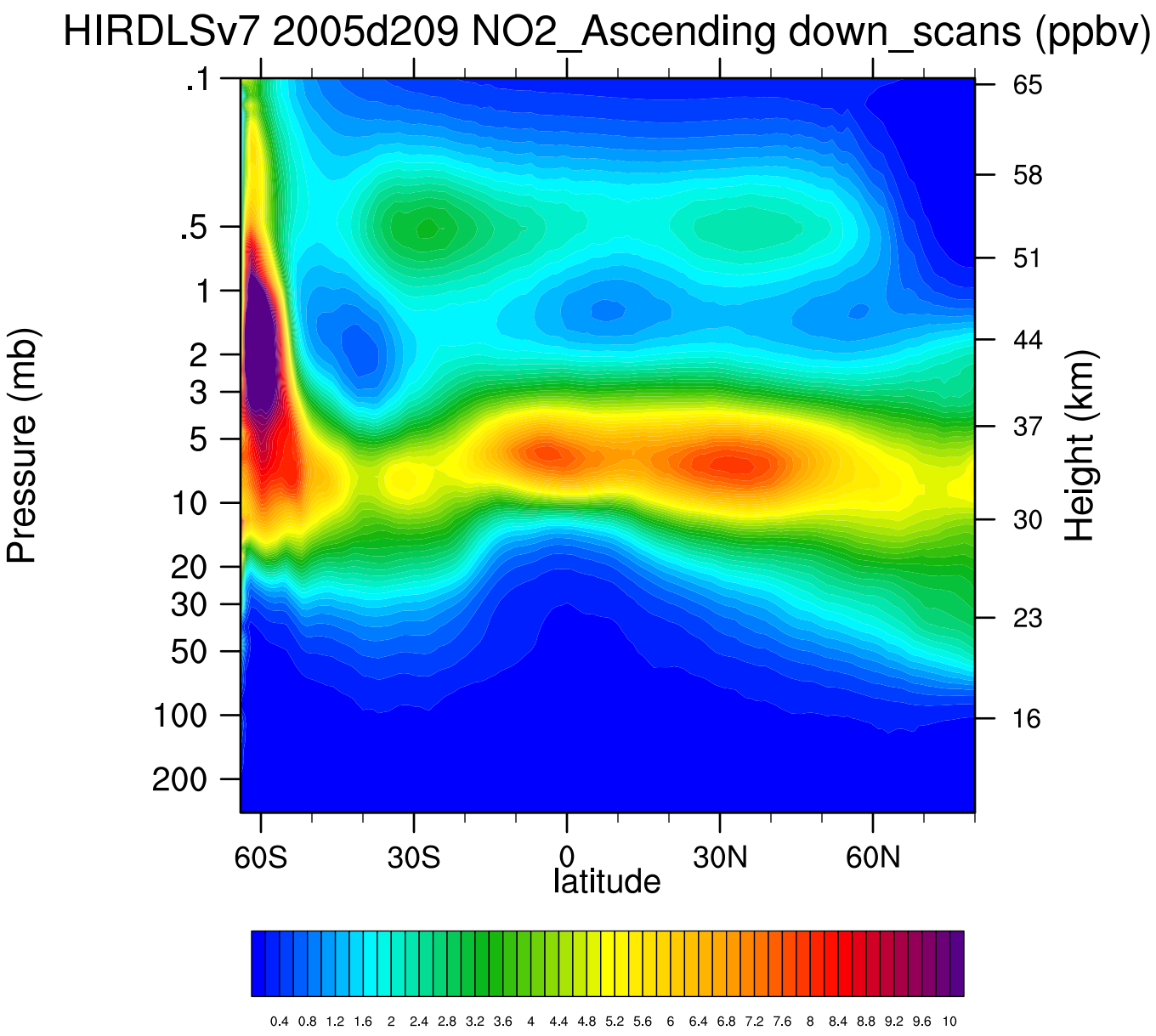

HIRDLSv7 2005d204 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

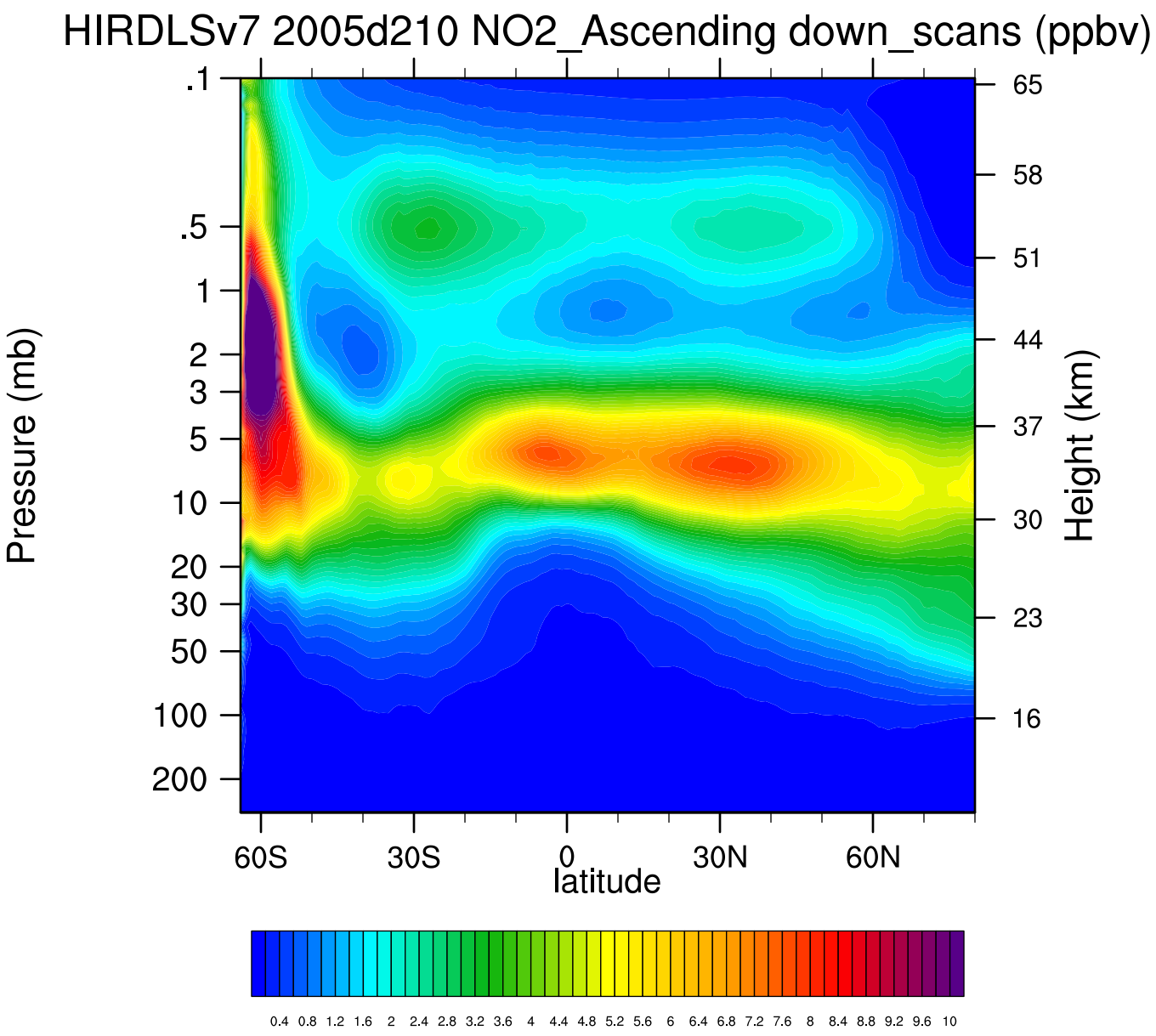

HIRDLSv7 2005d205 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

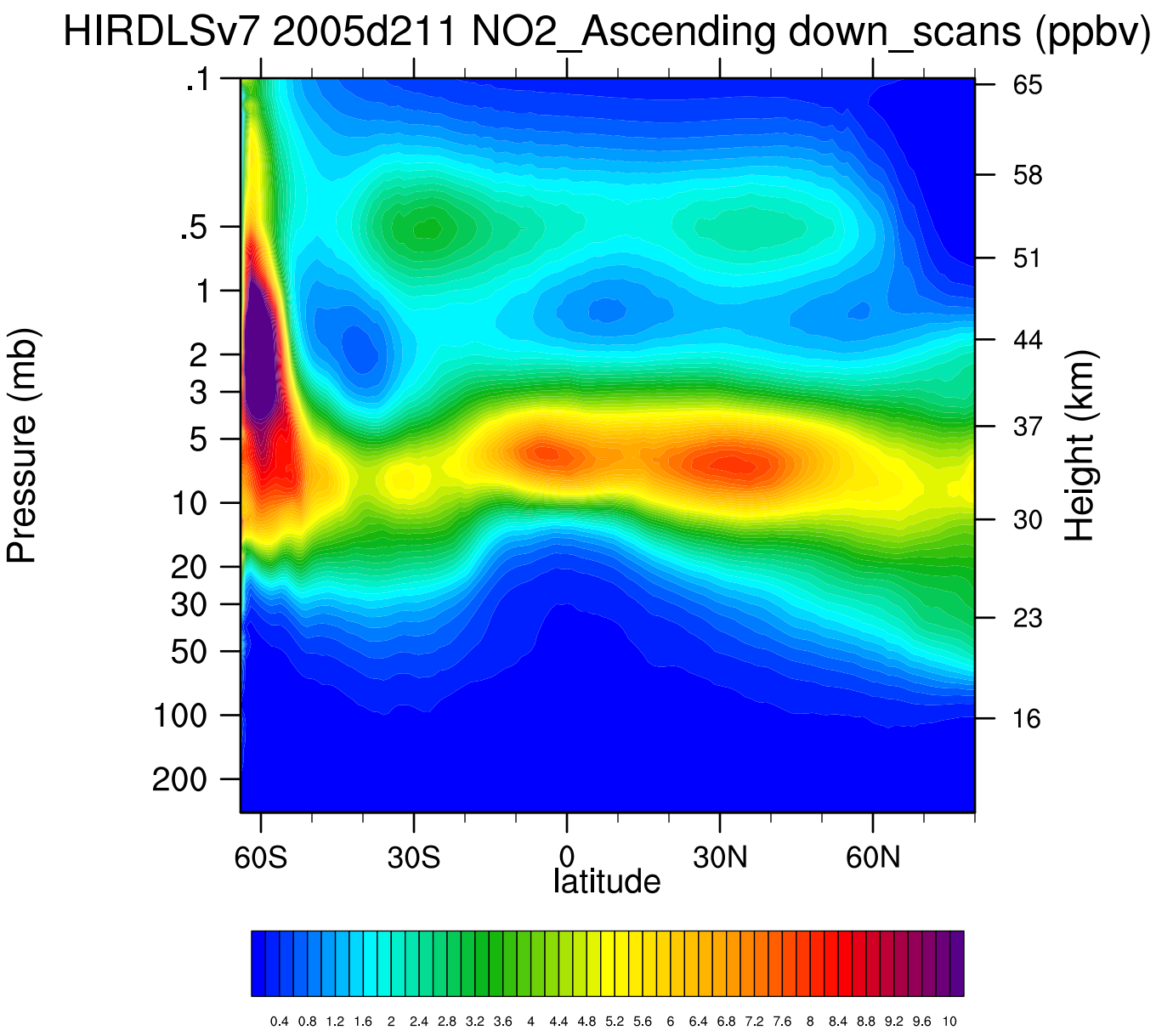

HIRDLSv7 2005d206 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

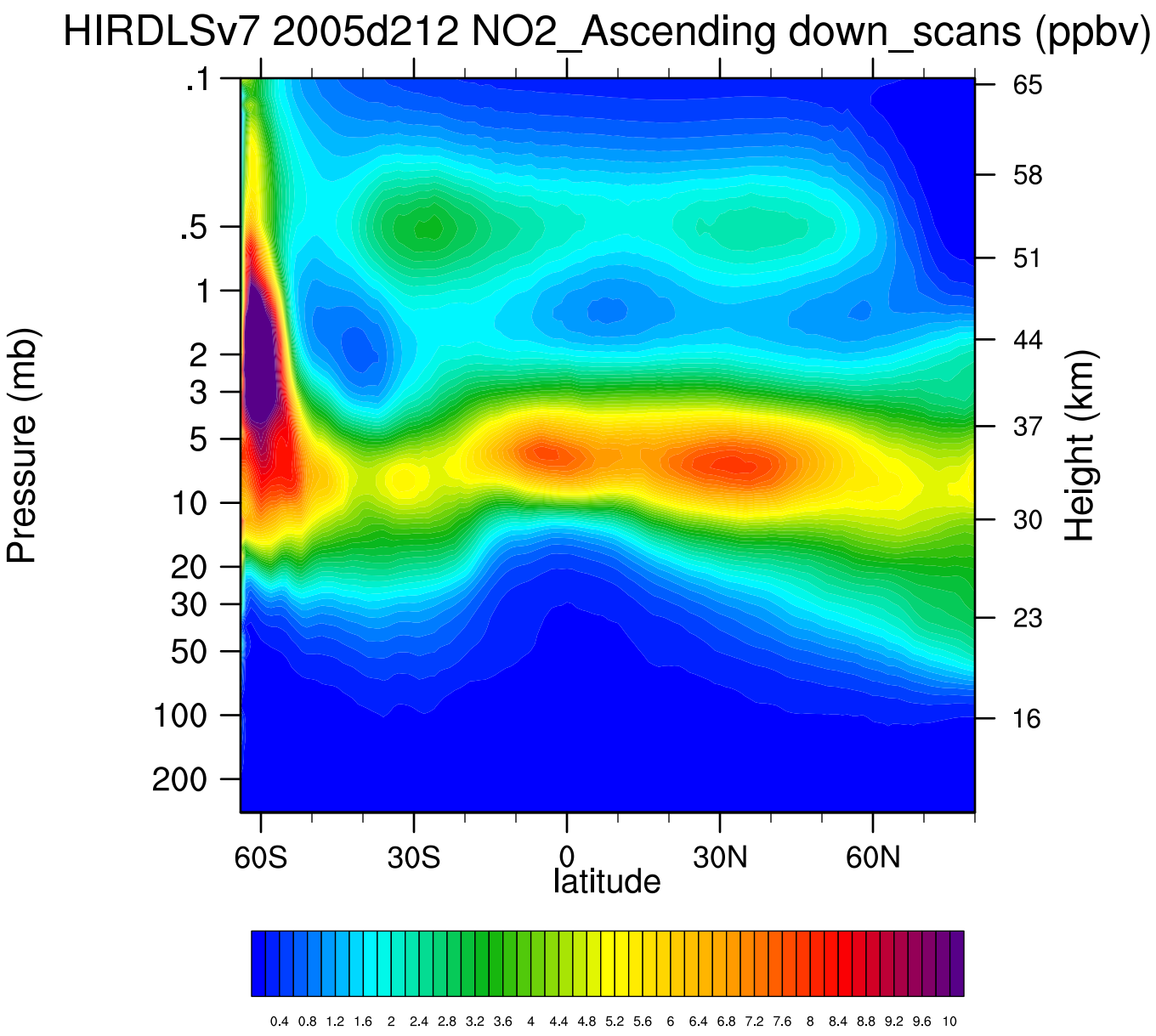

HIRDLSv7 2005d207 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

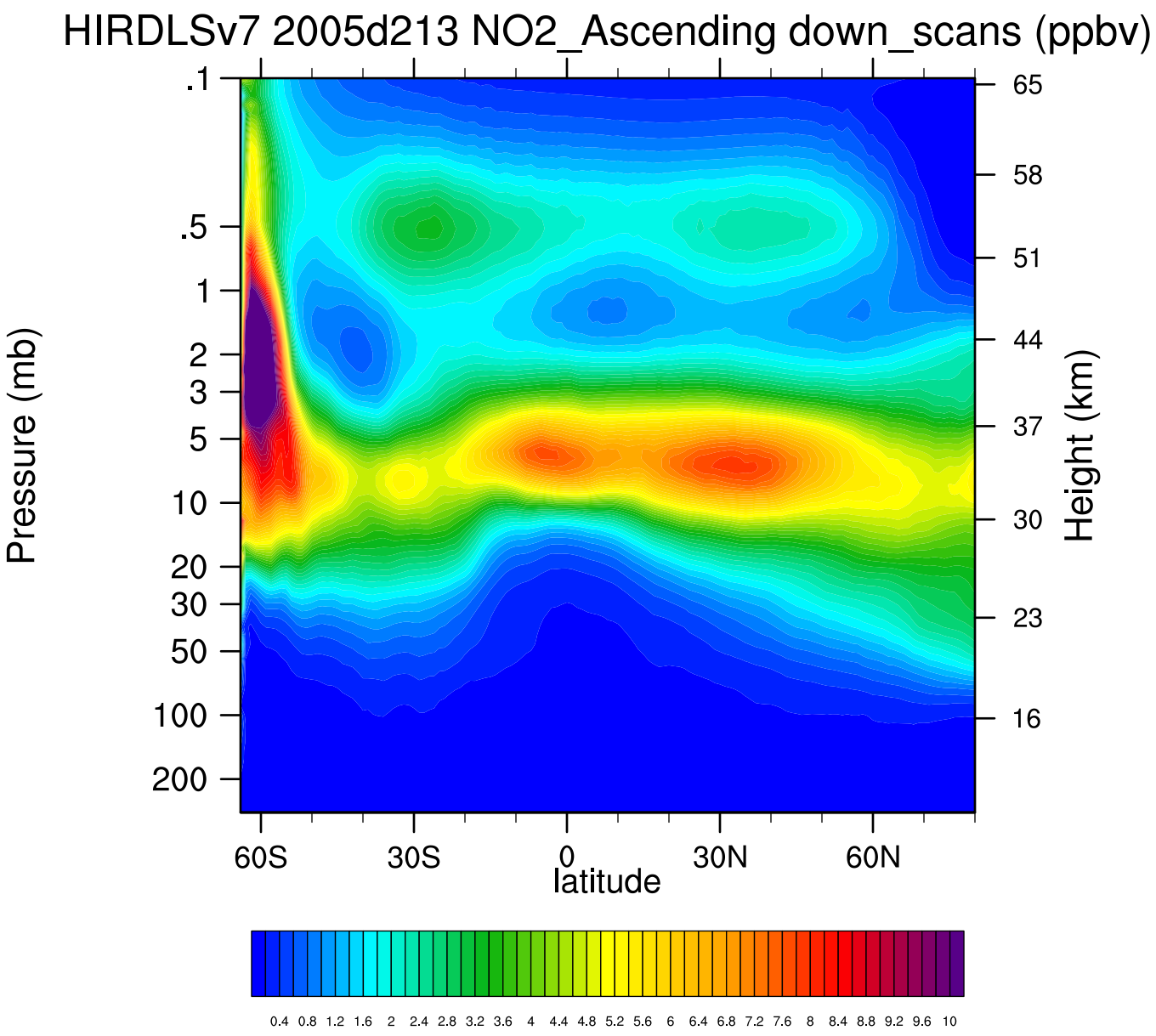

HIRDLSv7 2005d208 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

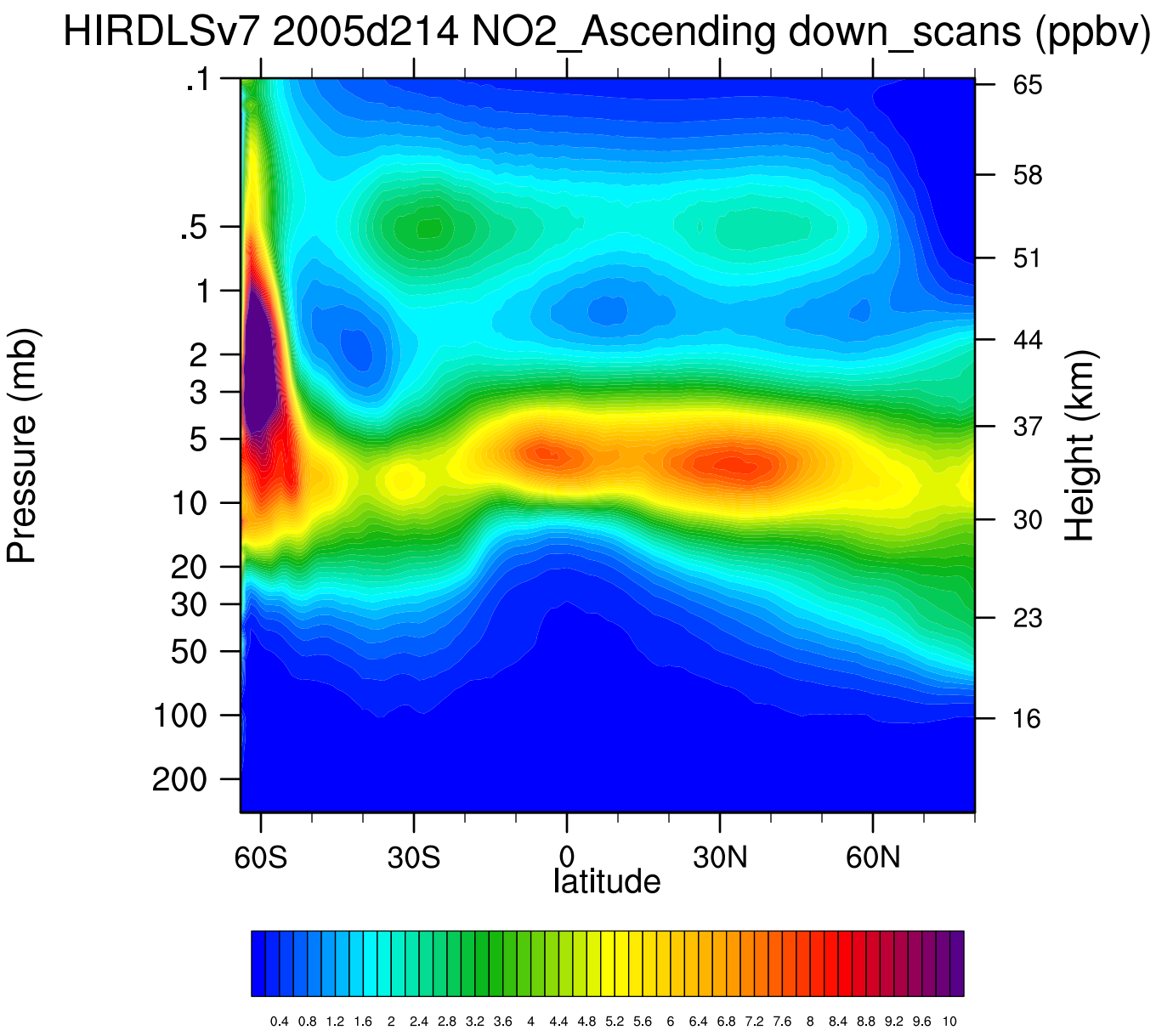

HIRDLSv7 2005d209 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

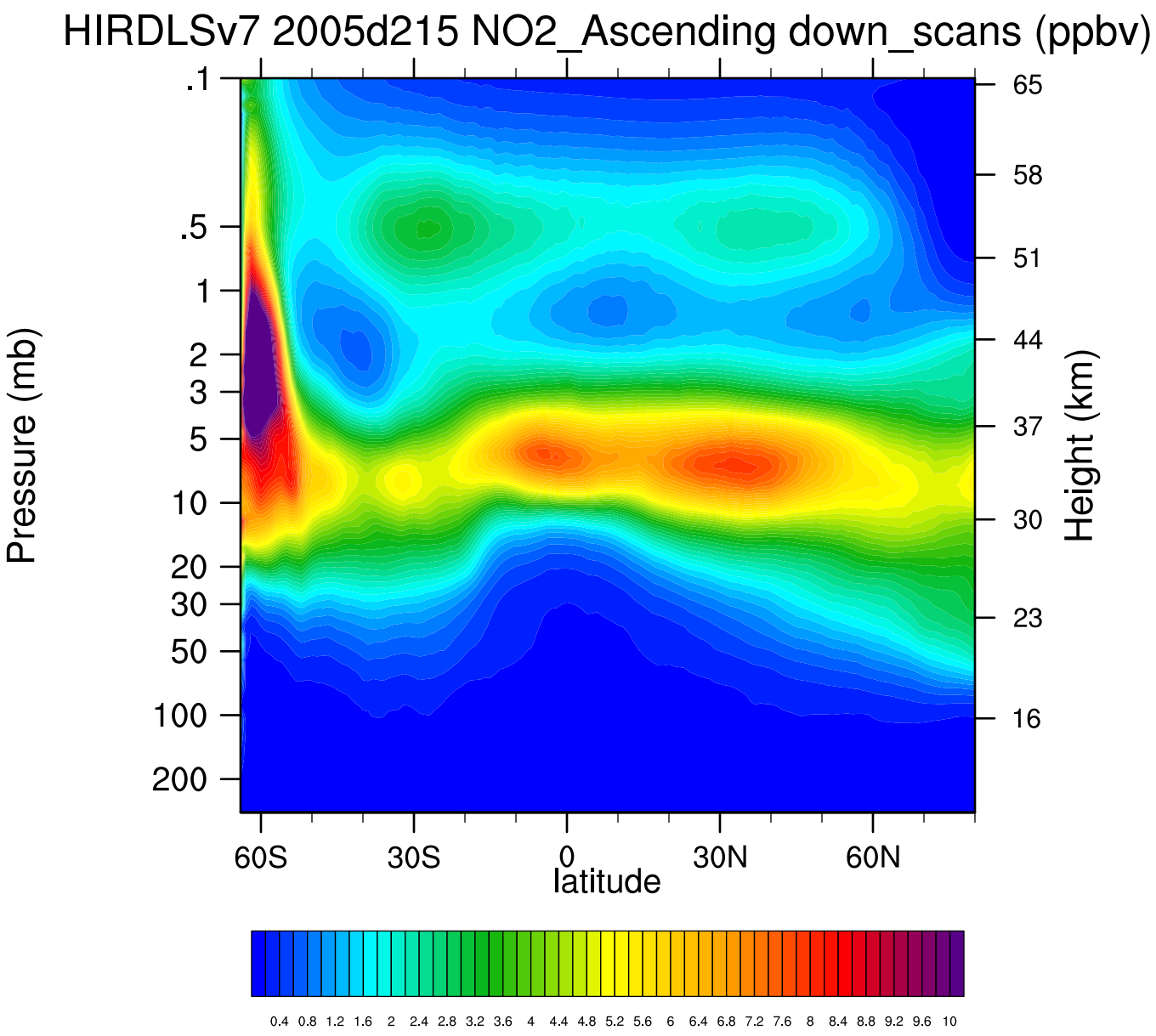

HIRDLSv7 2005d210 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

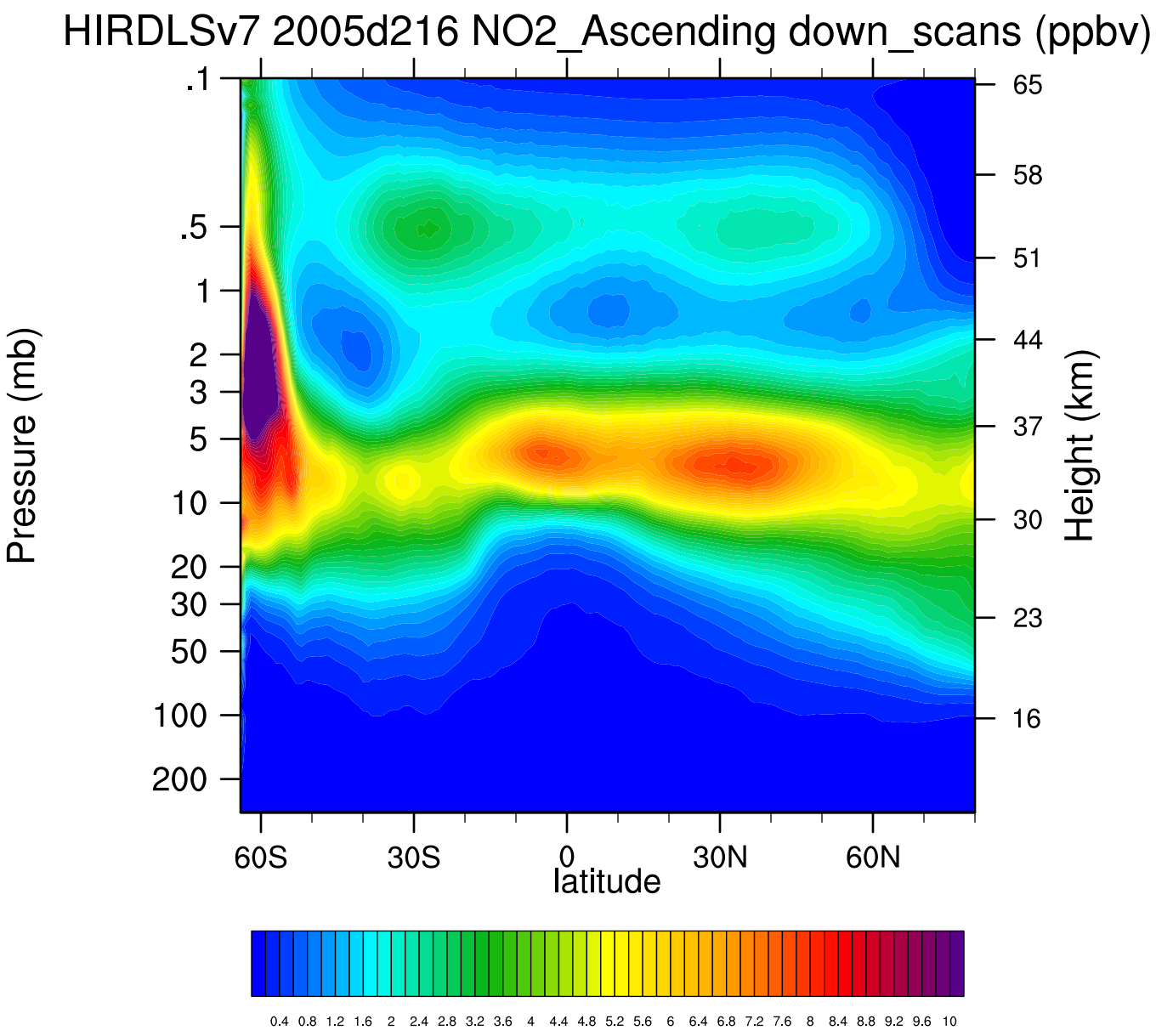

HIRDLSv7 2005d211 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

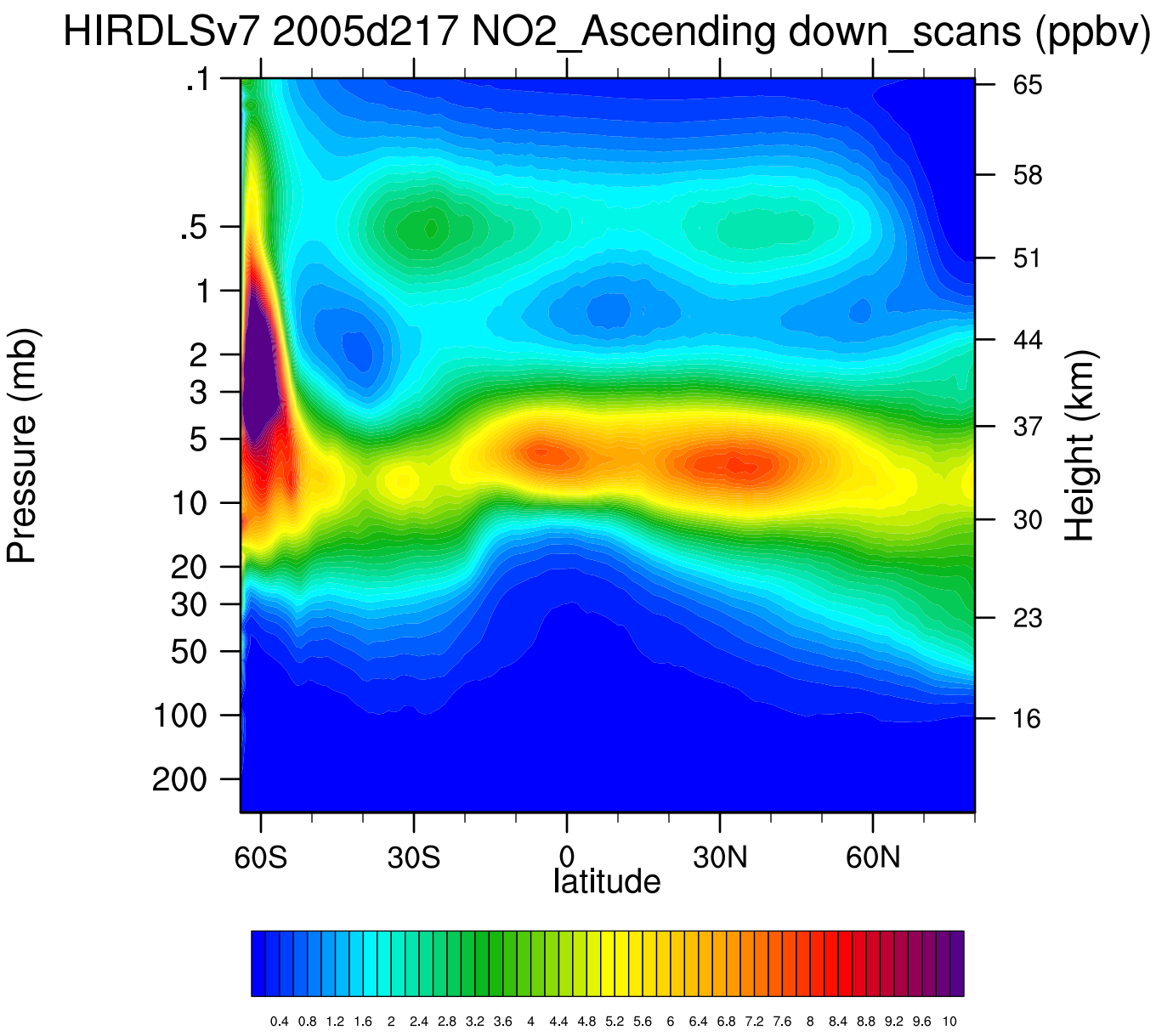

HIRDLSv7 2005d212 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

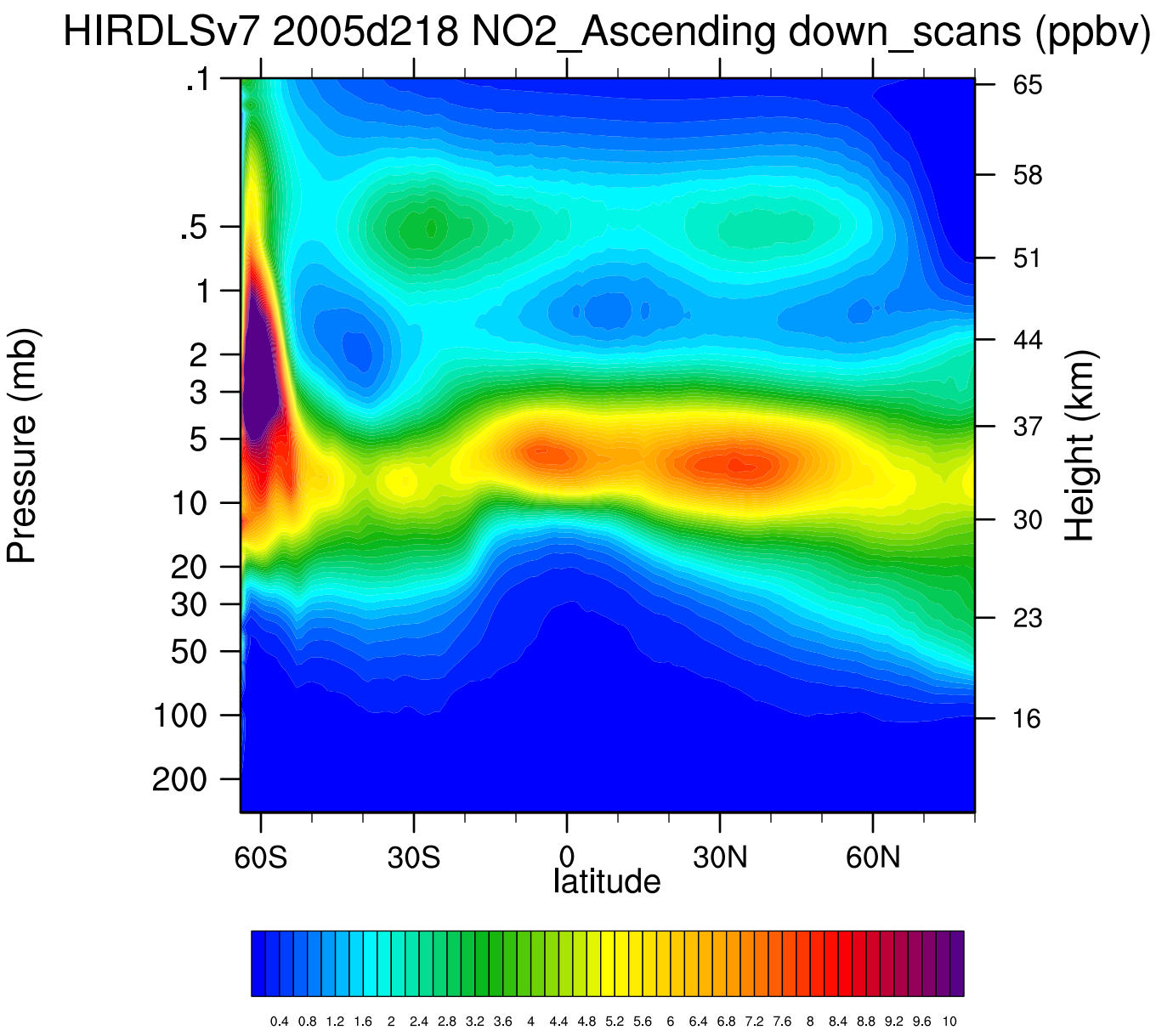

HIRDLSv7 2005d213 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

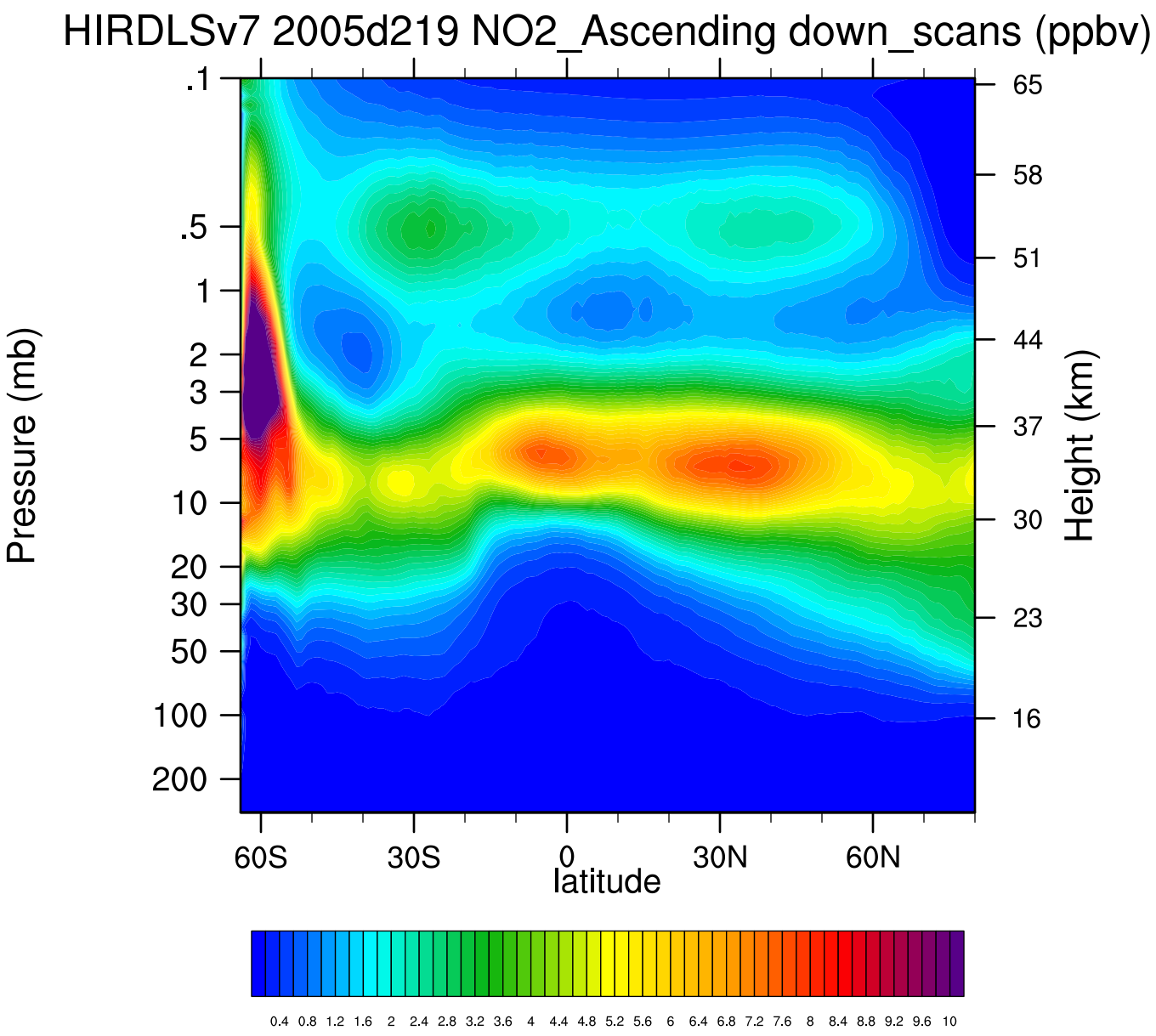

HIRDLSv7 2005d214 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

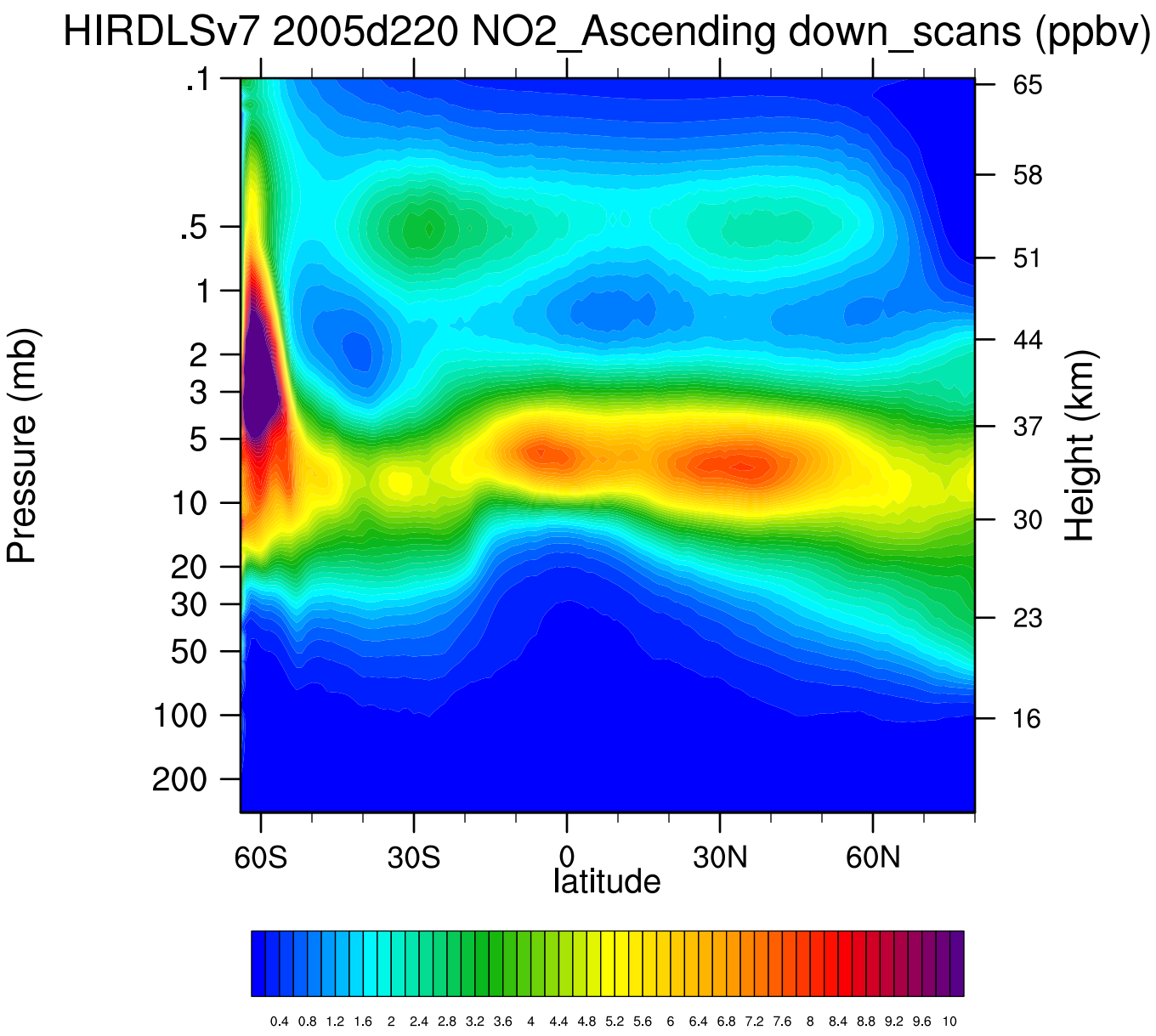

HIRDLSv7 2005d215 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

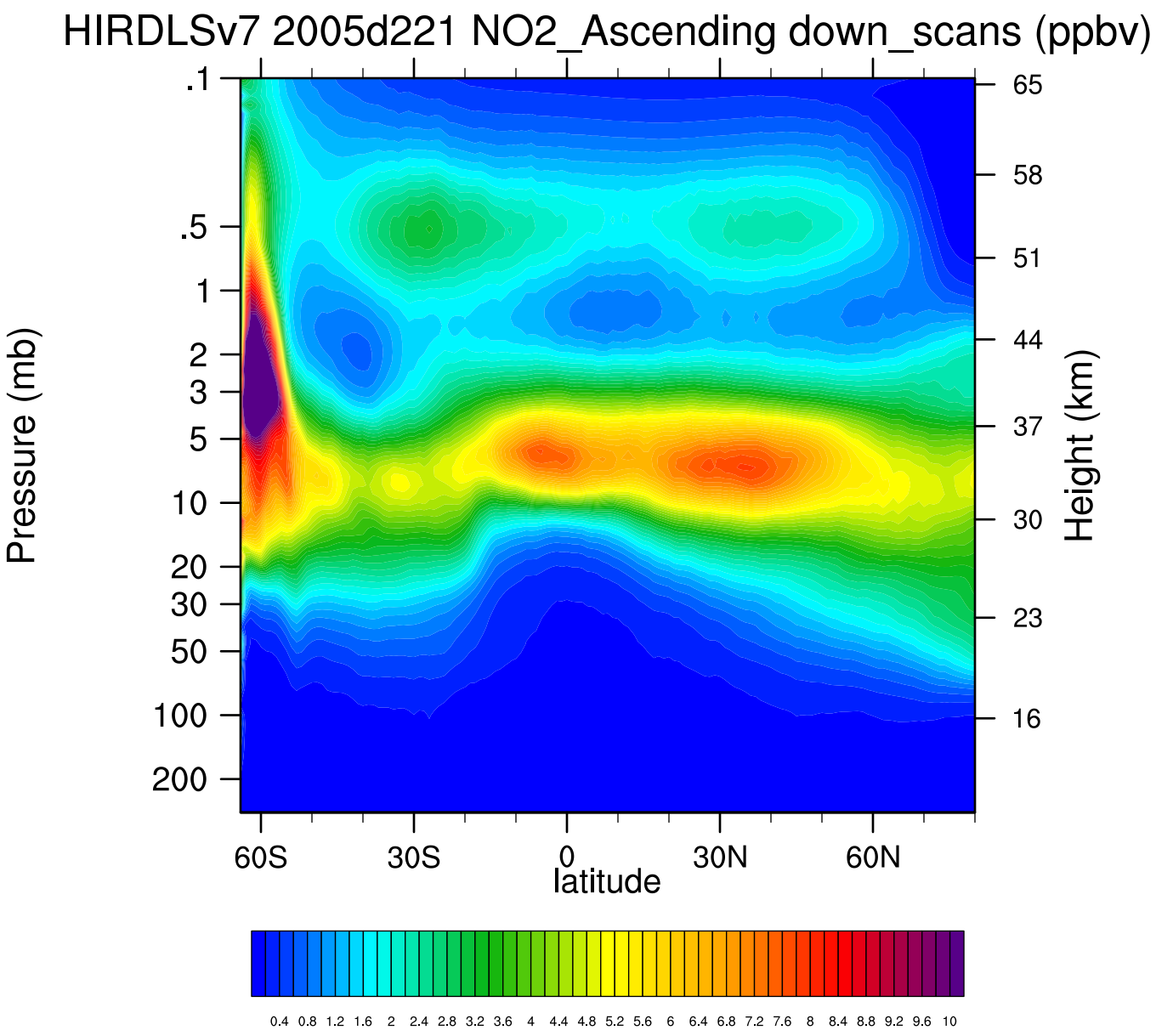

HIRDLSv7 2005d216 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

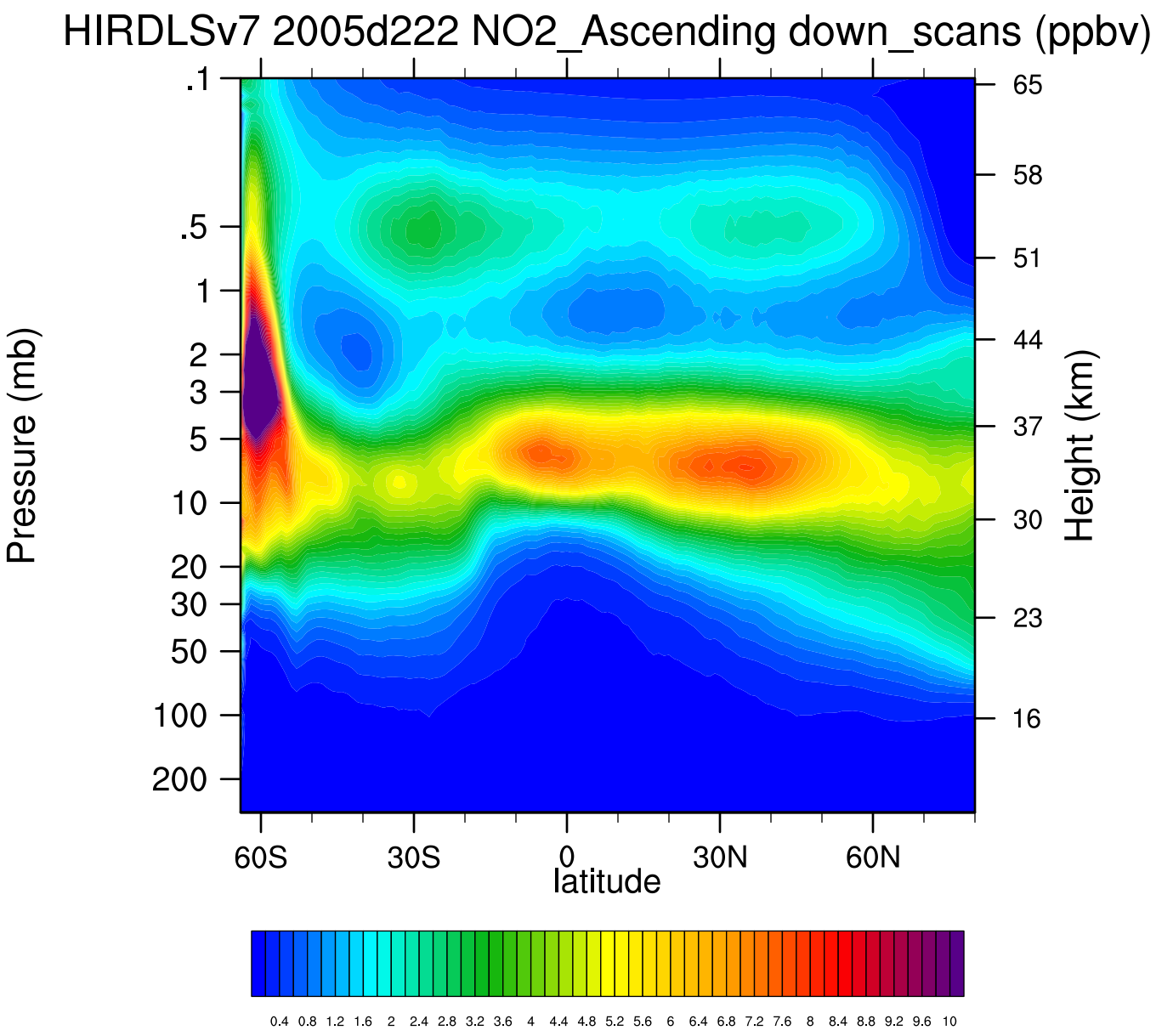

HIRDLSv7 2005d217 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

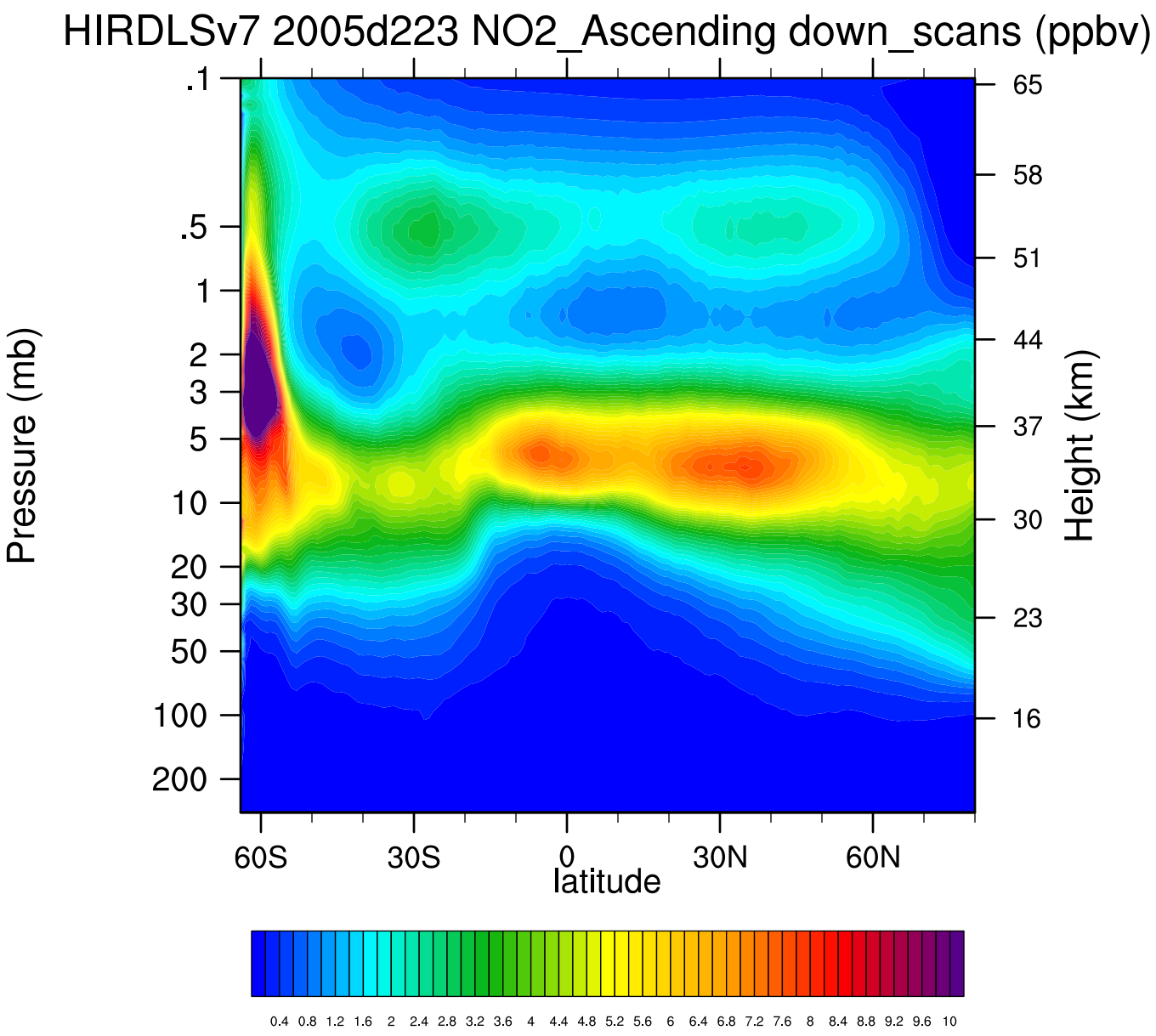

HIRDLSv7 2005d218 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

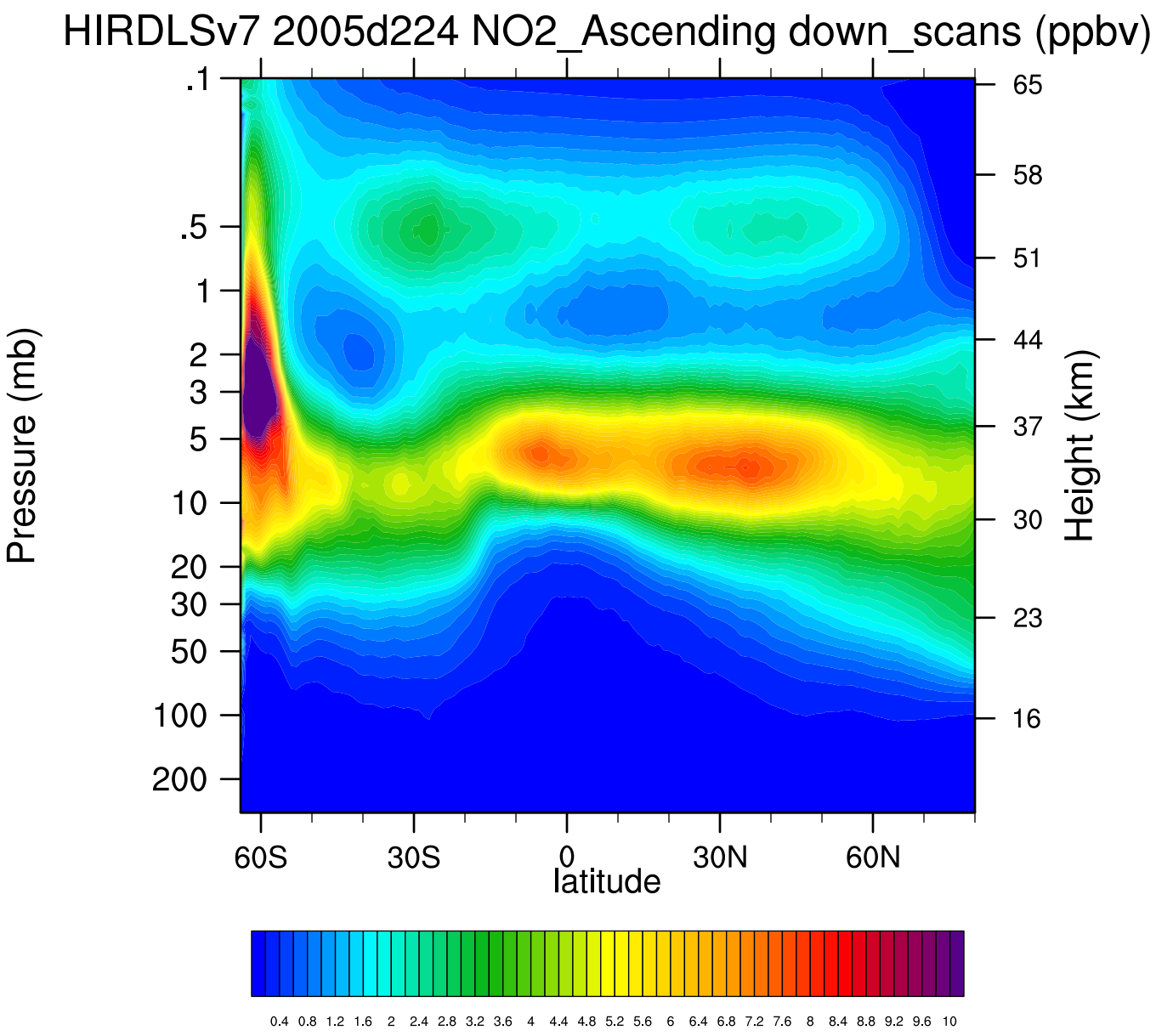

HIRDLSv7 2005d219 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

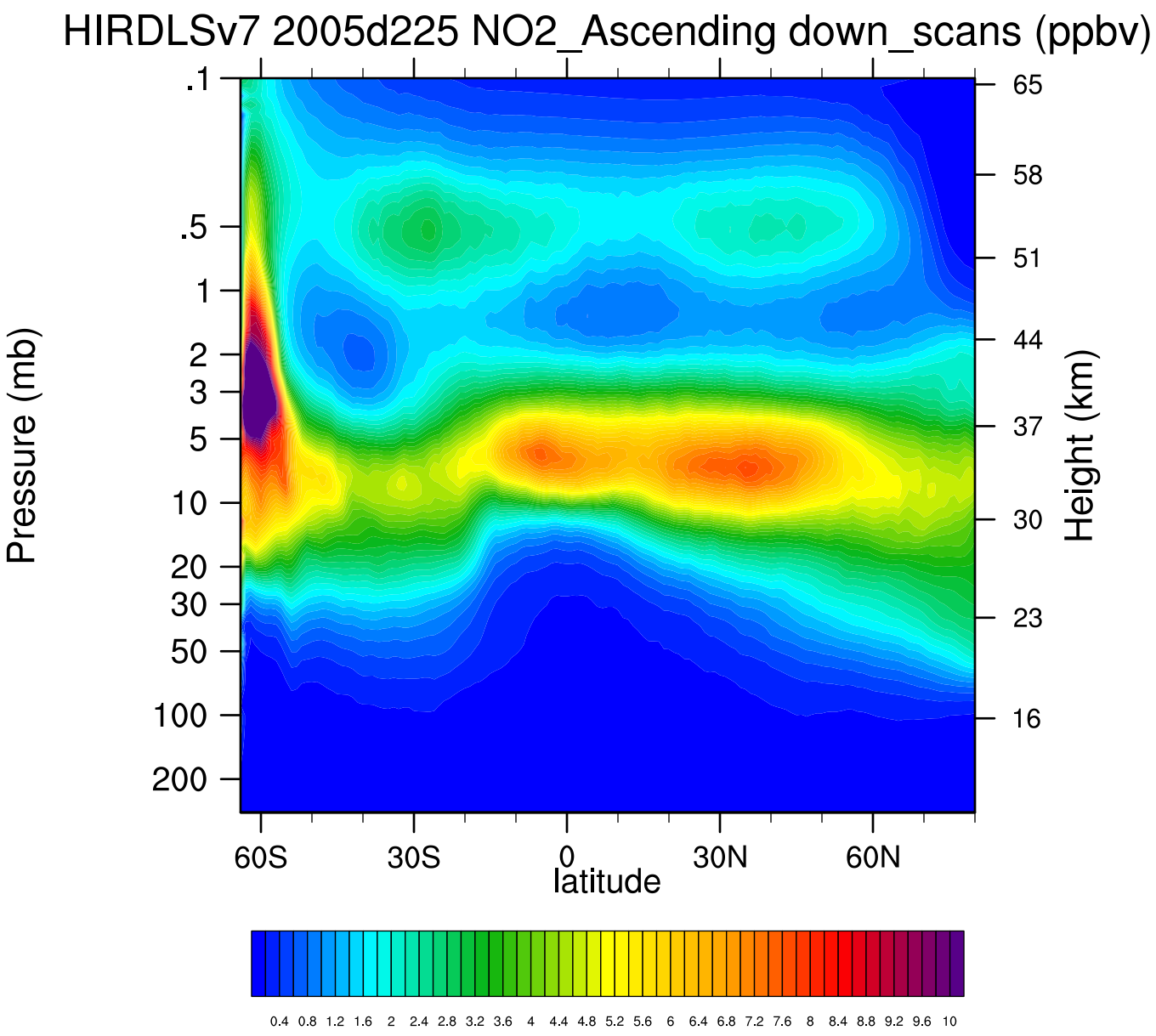

HIRDLSv7 2005d220 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

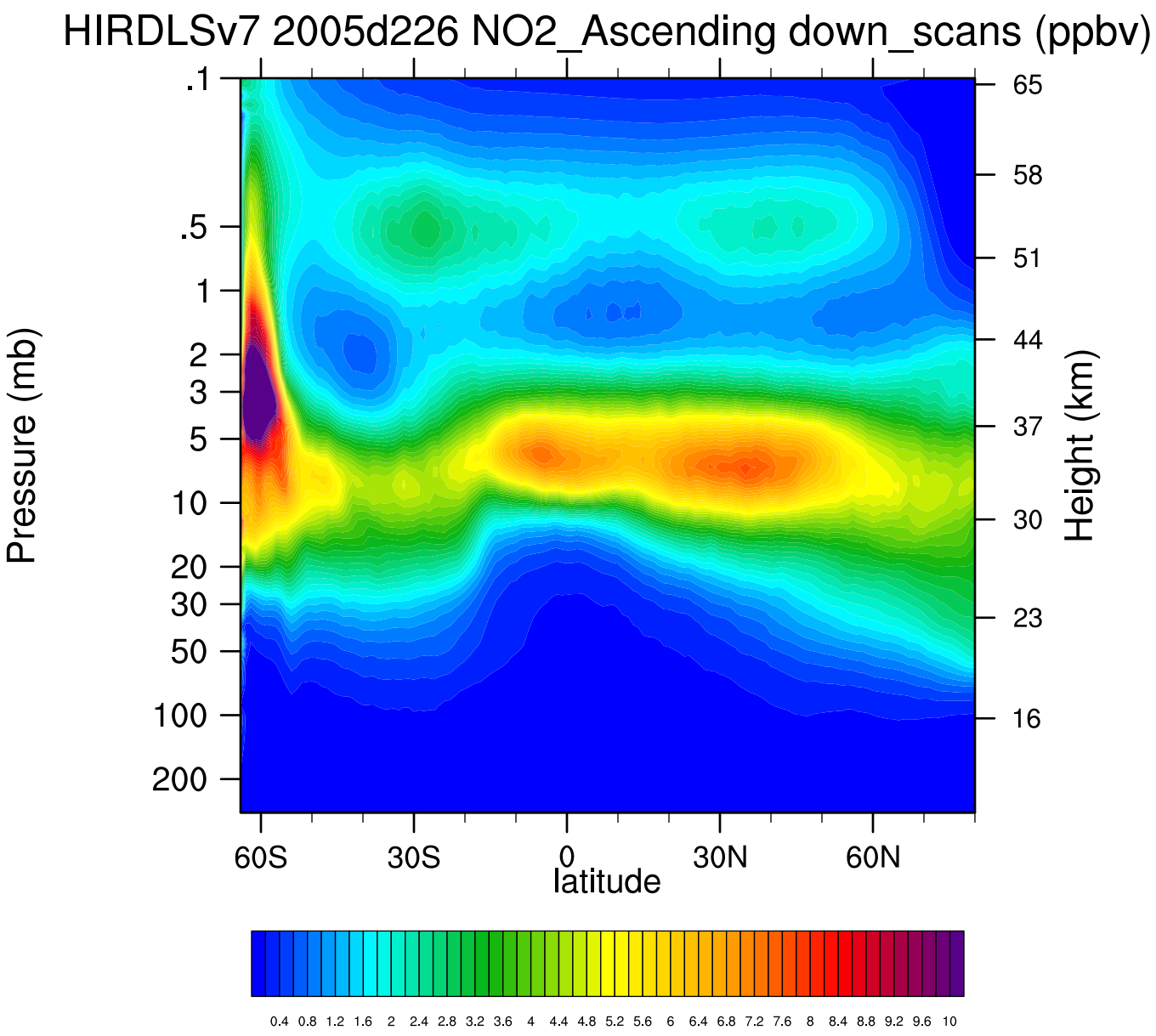

HIRDLSv7 2005d221 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

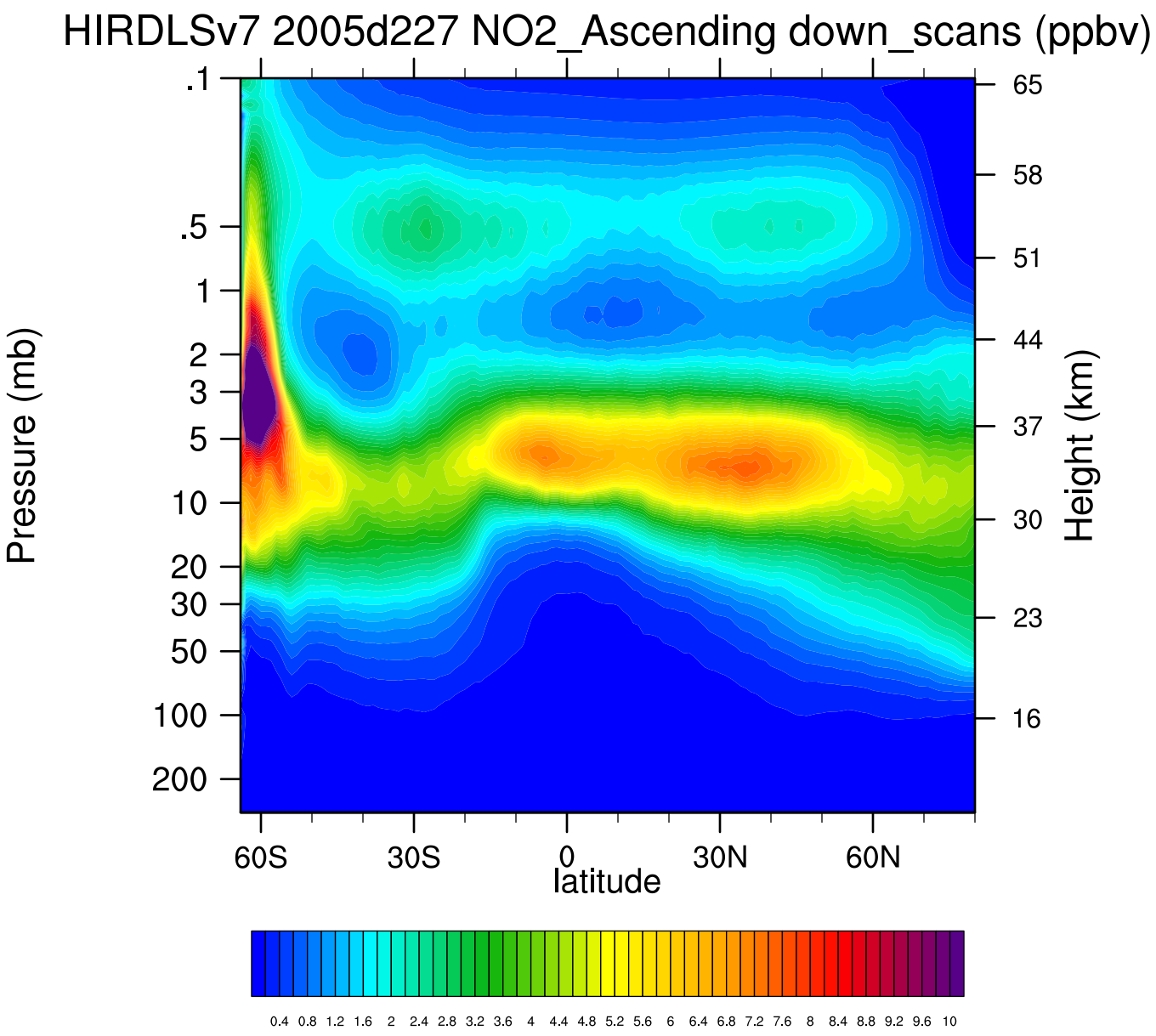

HIRDLSv7 2005d222 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

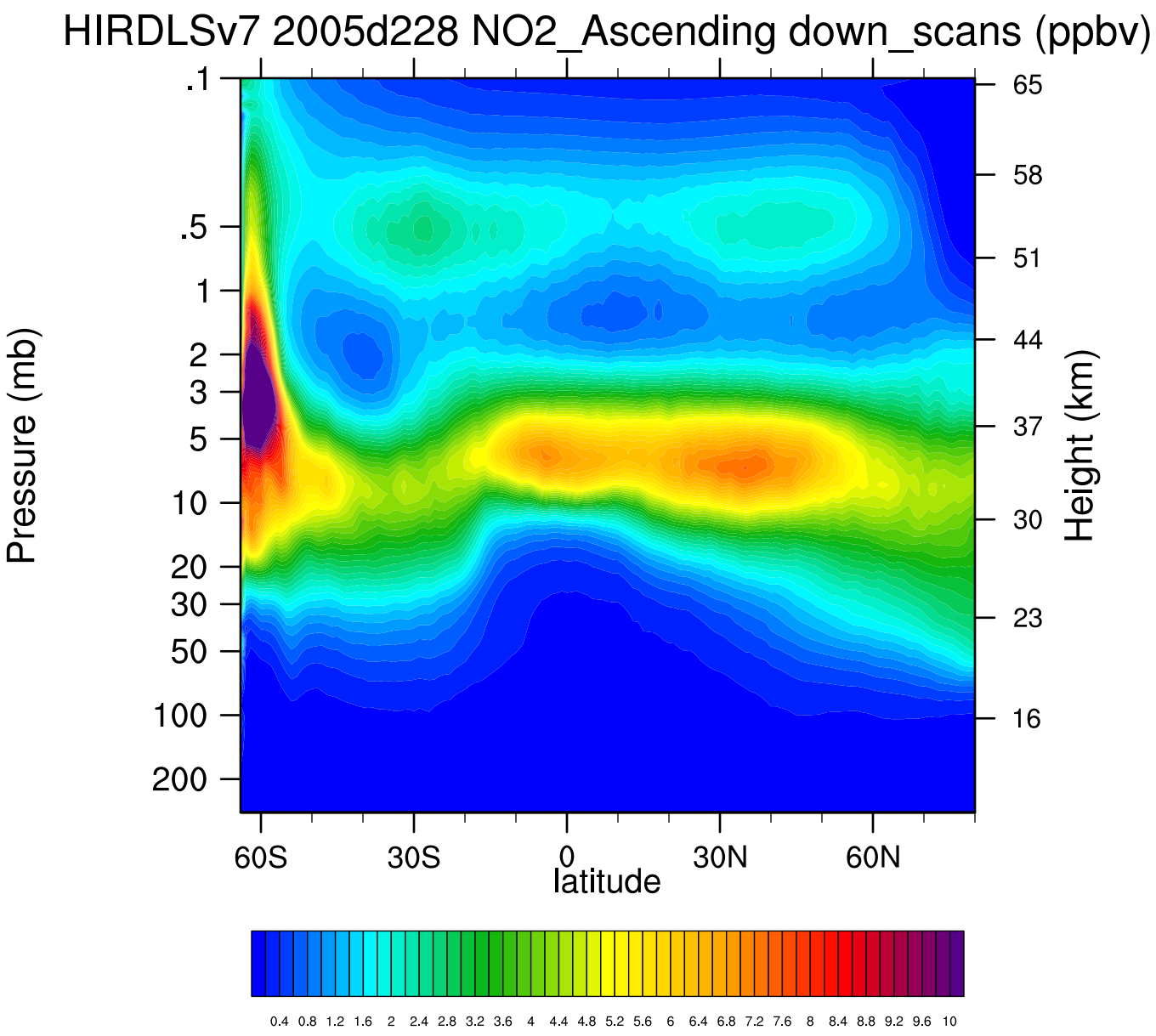

HIRDLSv7 2005d223 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

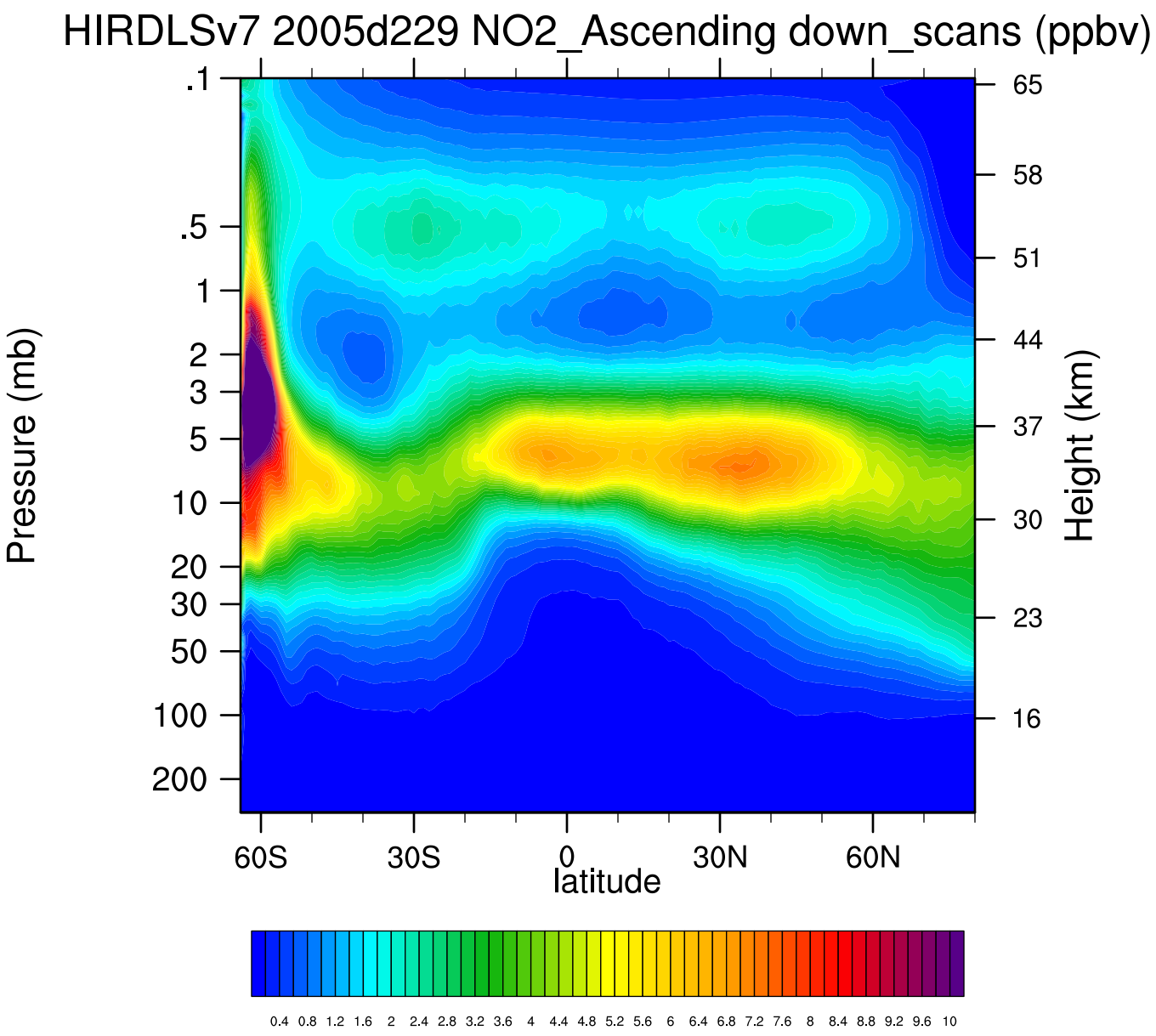

HIRDLSv7 2005d224 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

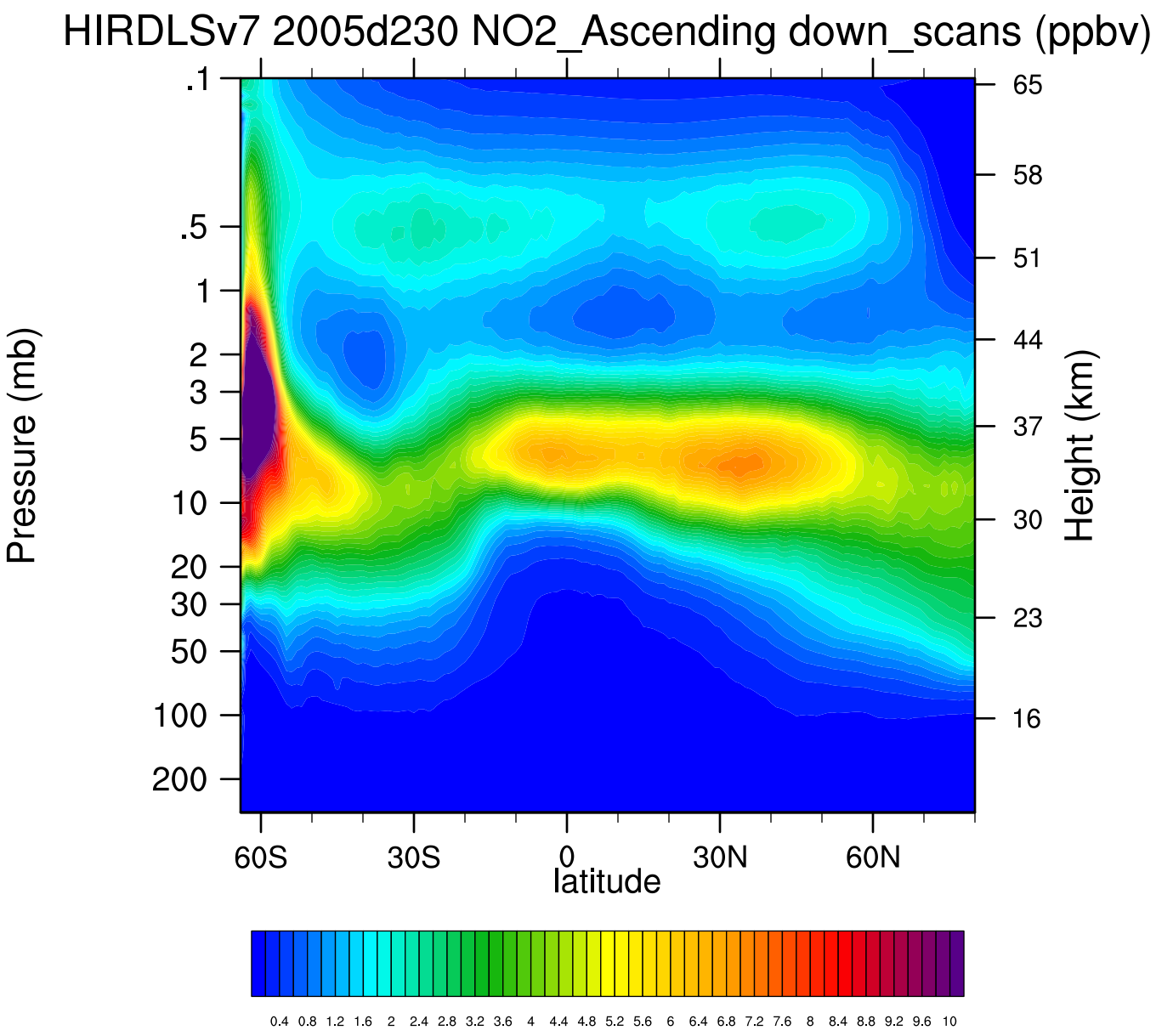

HIRDLSv7 2005d225 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

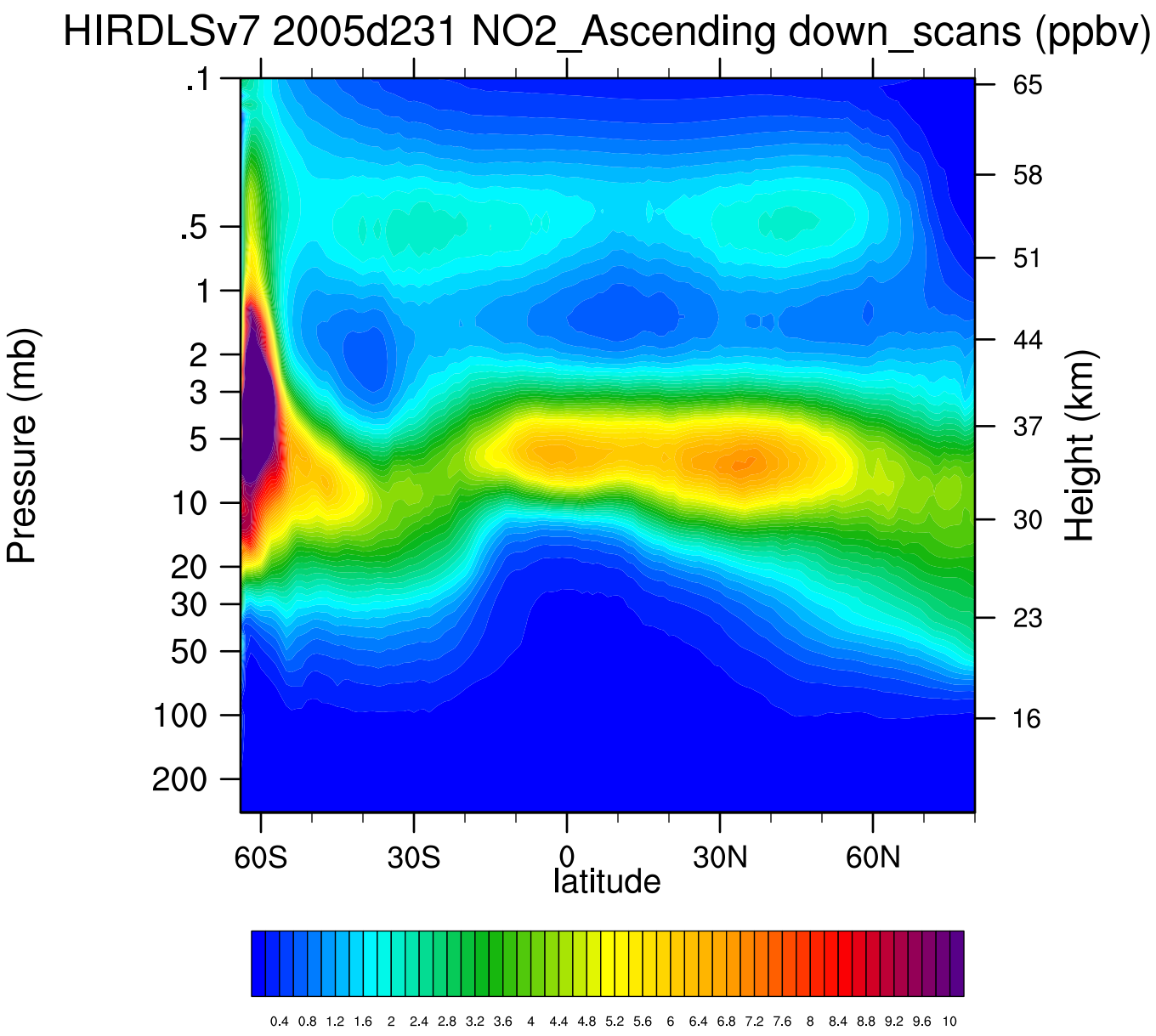

HIRDLSv7 2005d226 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

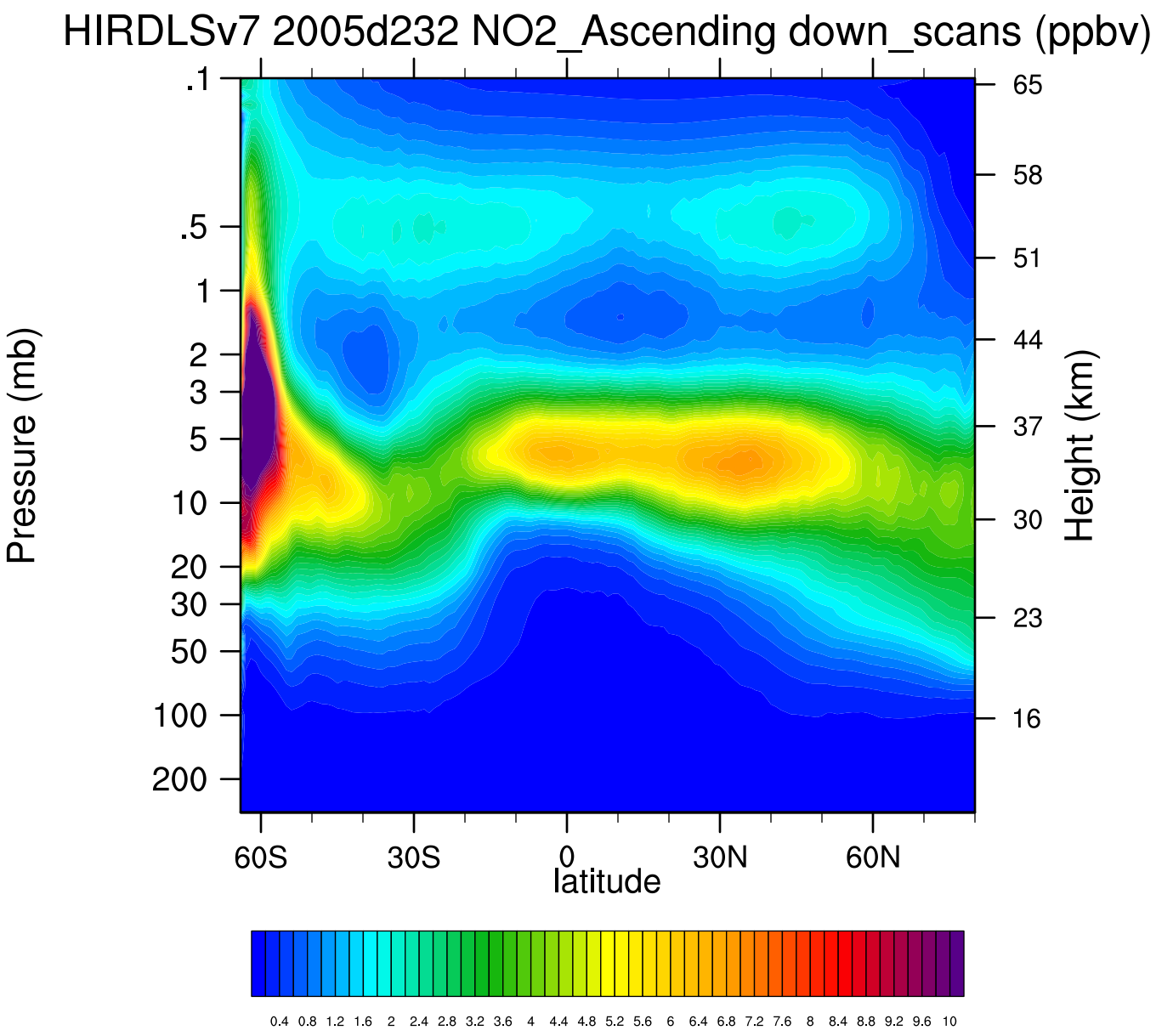

HIRDLSv7 2005d227 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

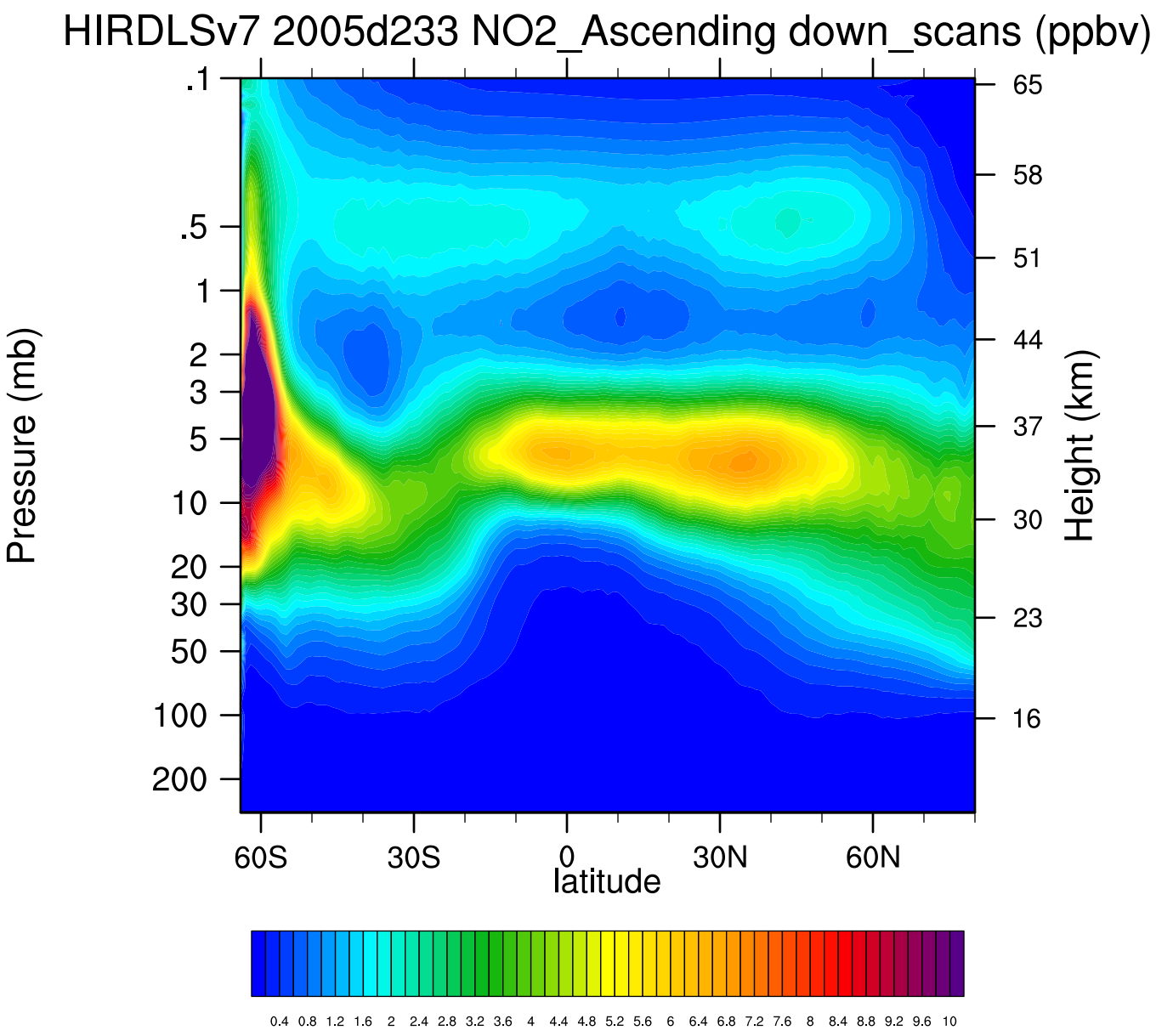

HIRDLSv7 2005d228 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

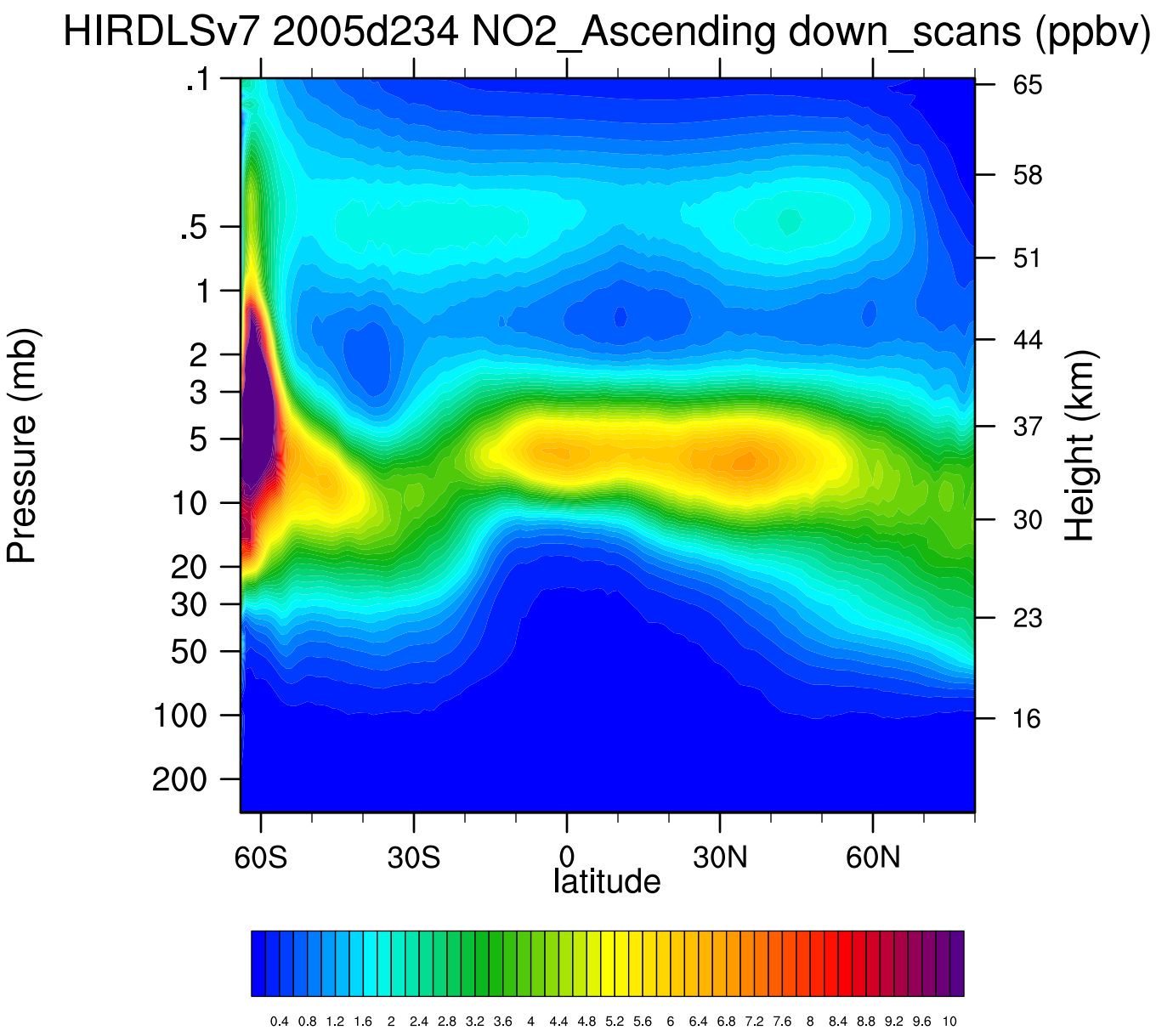

HIRDLSv7 2005d229 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

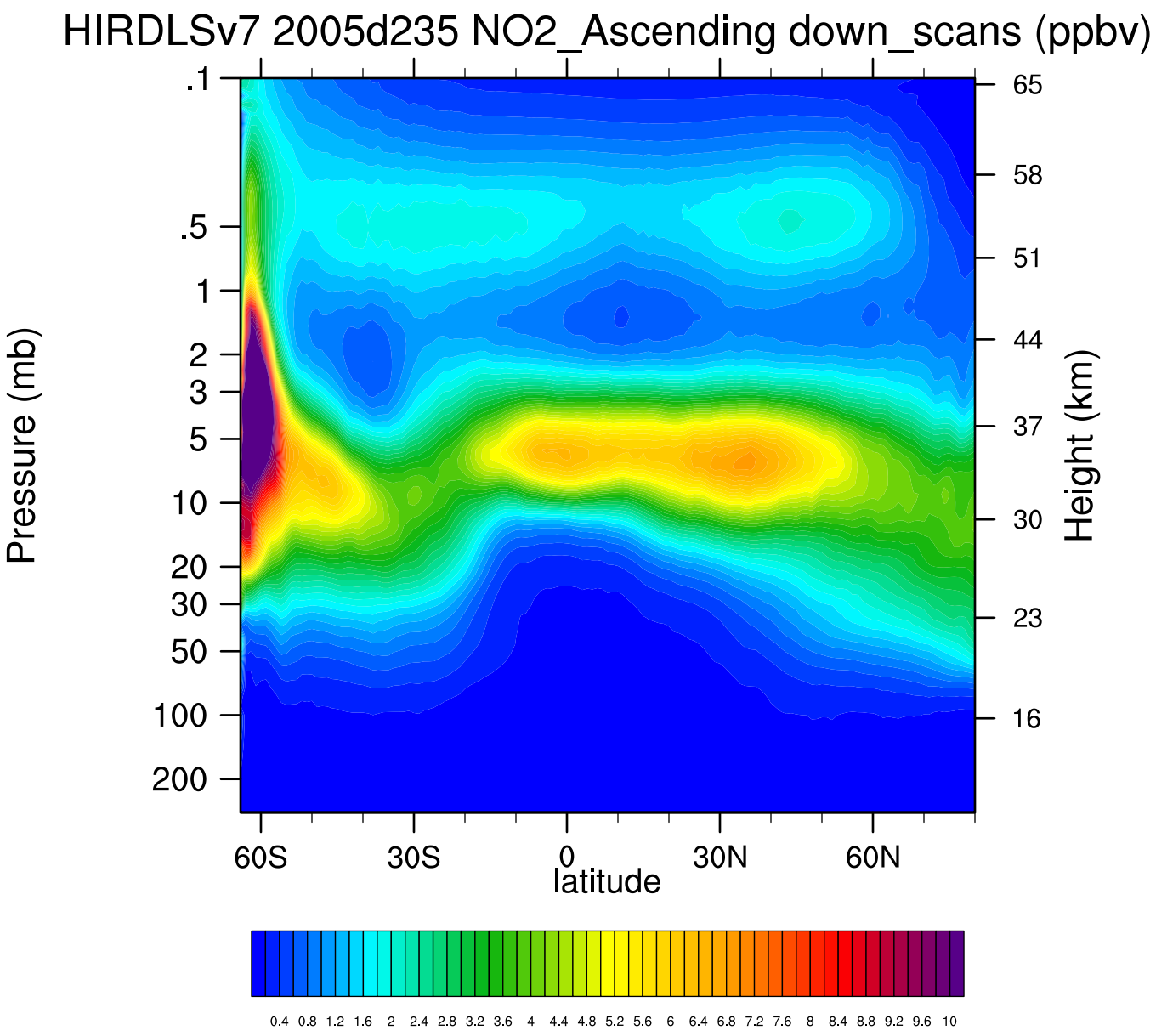

HIRDLSv7 2005d230 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

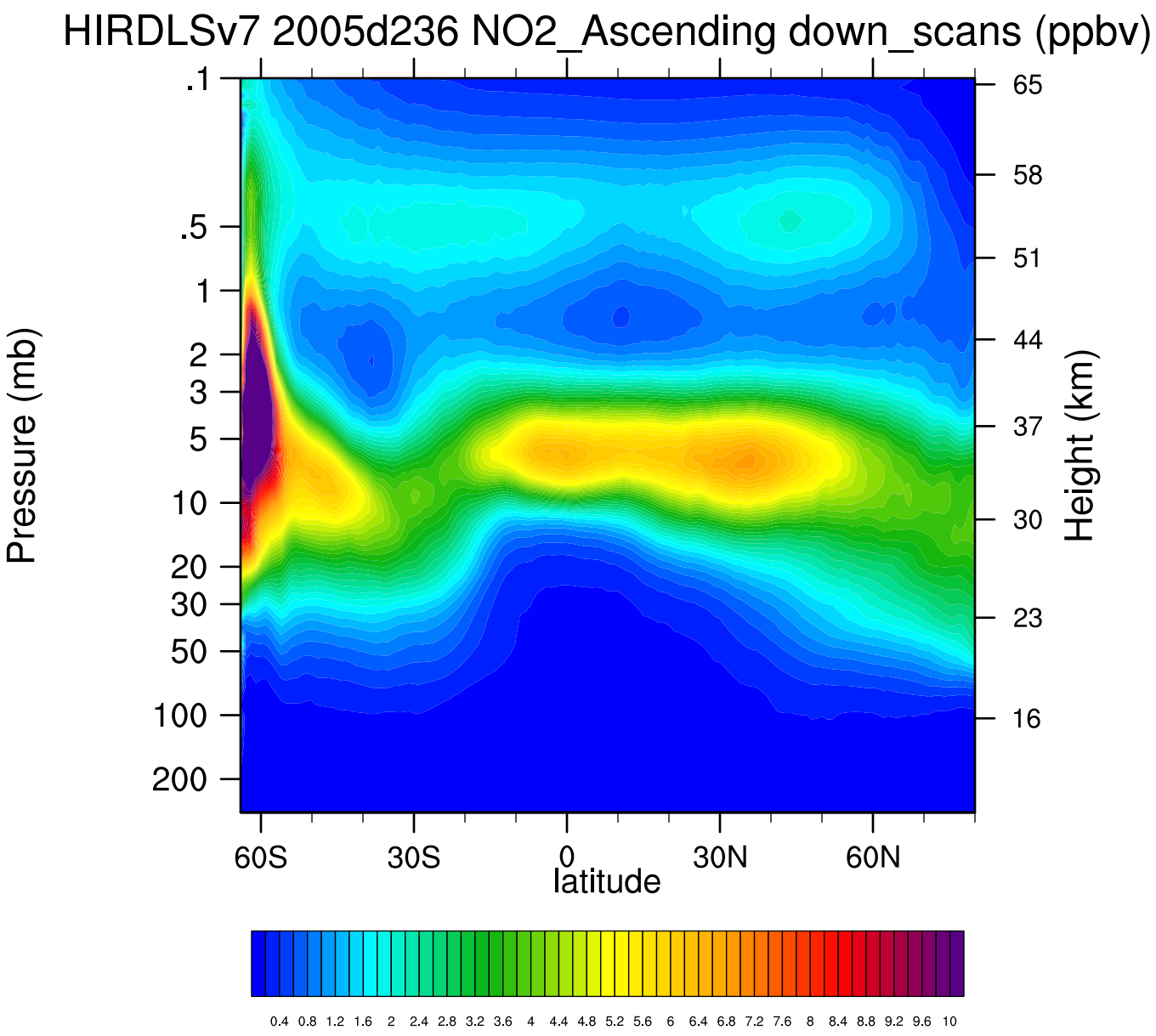

HIRDLSv7 2005d231 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

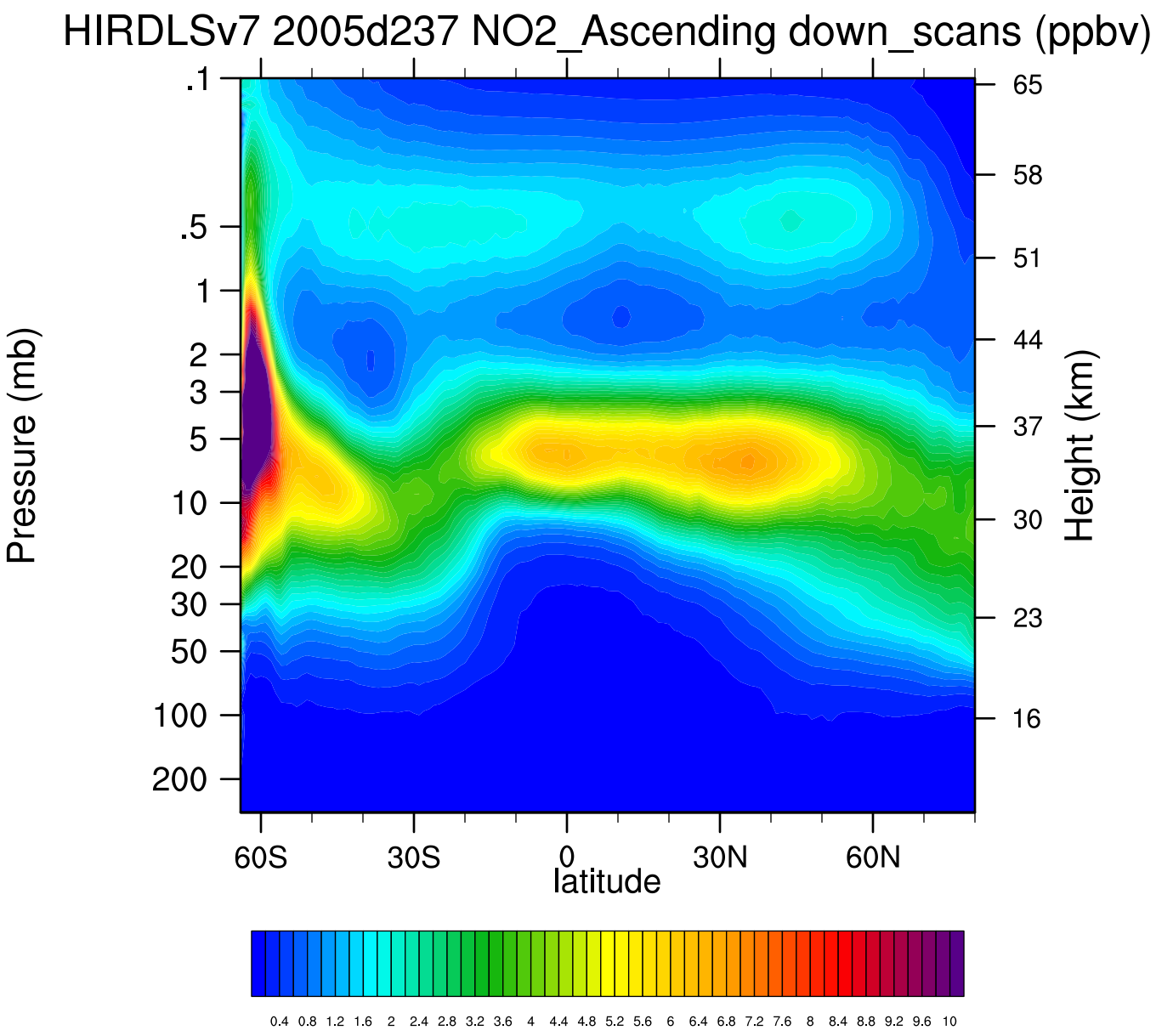

HIRDLSv7 2005d232 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

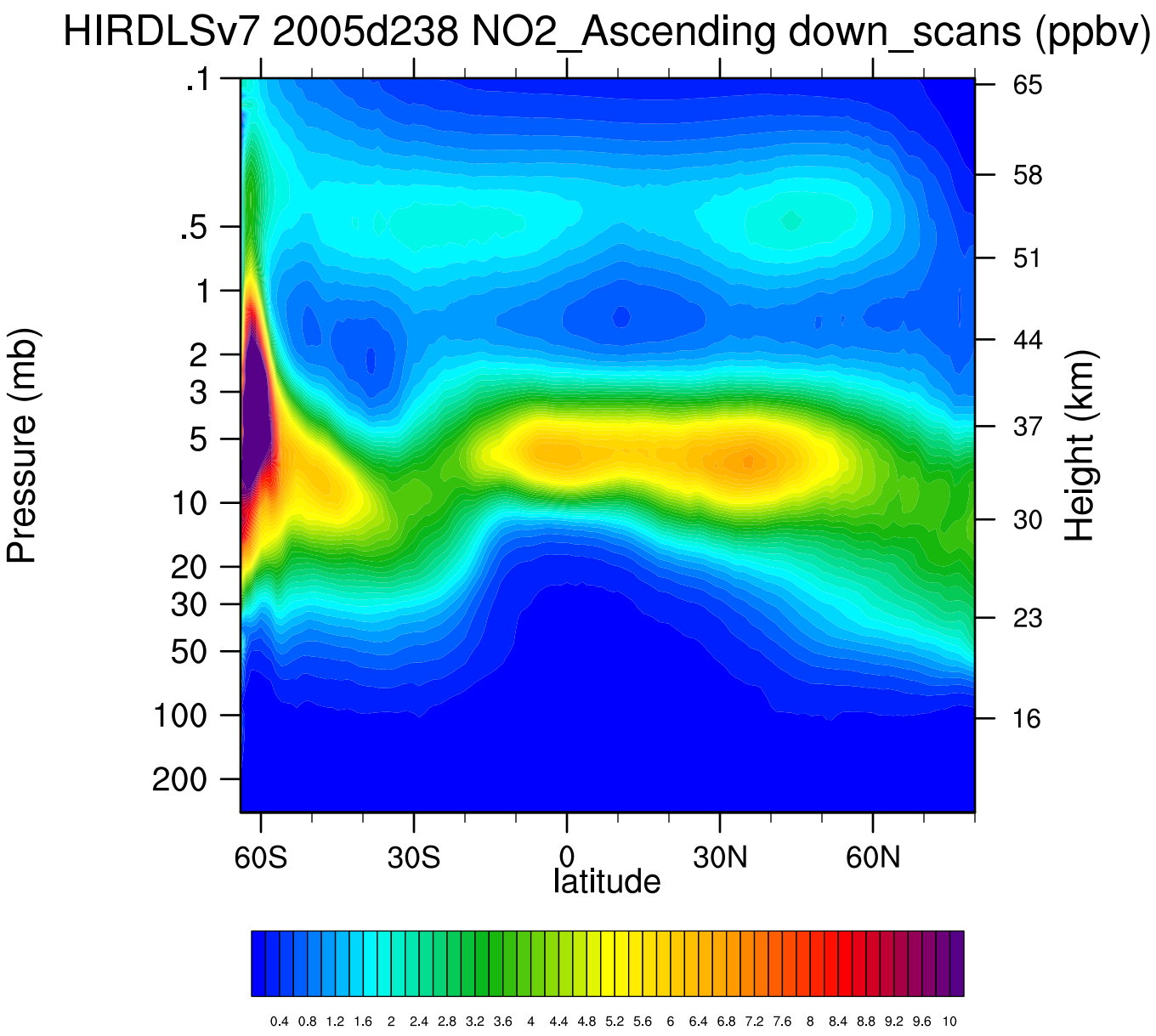

HIRDLSv7 2005d233 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

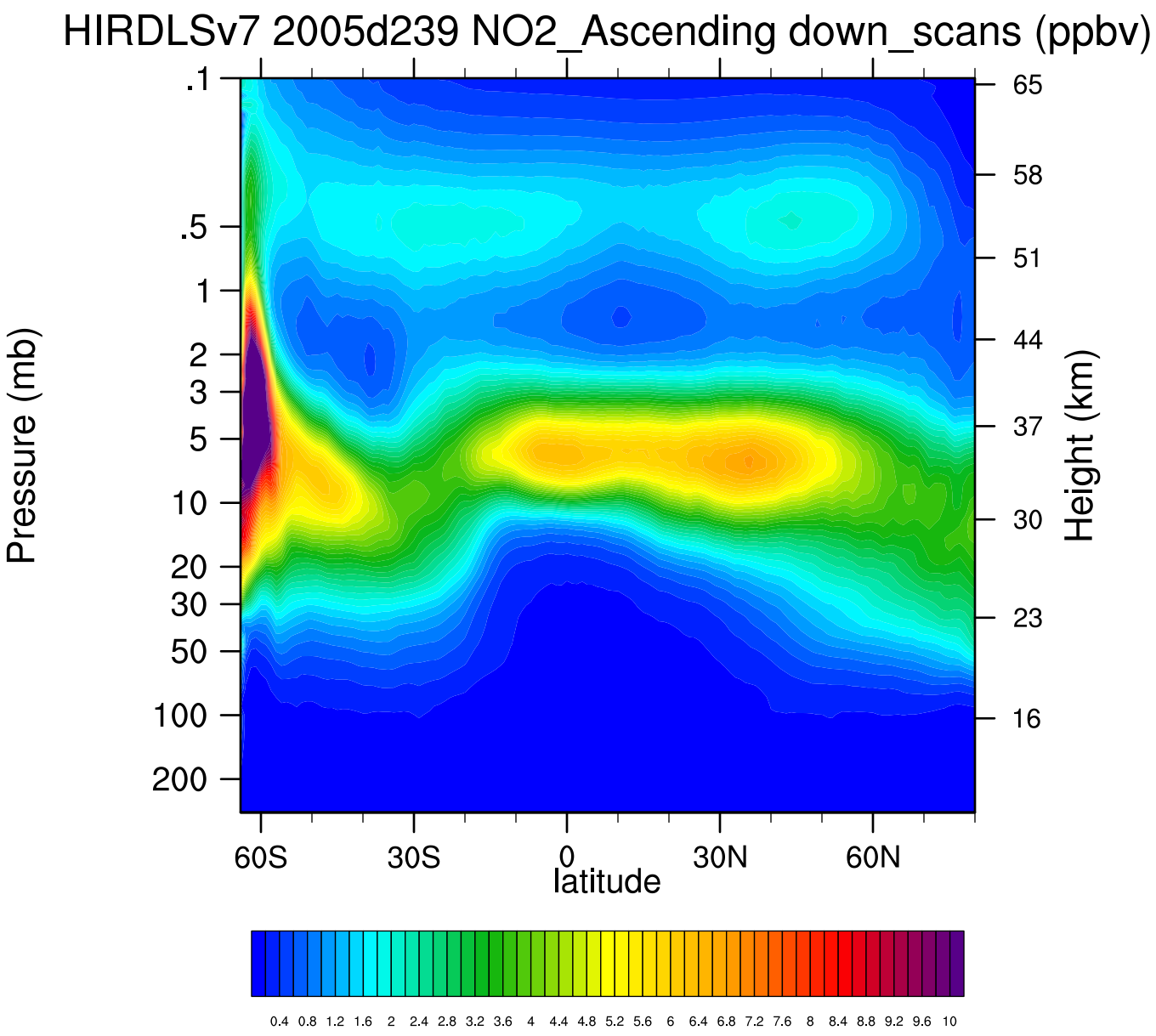

HIRDLSv7 2005d234 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

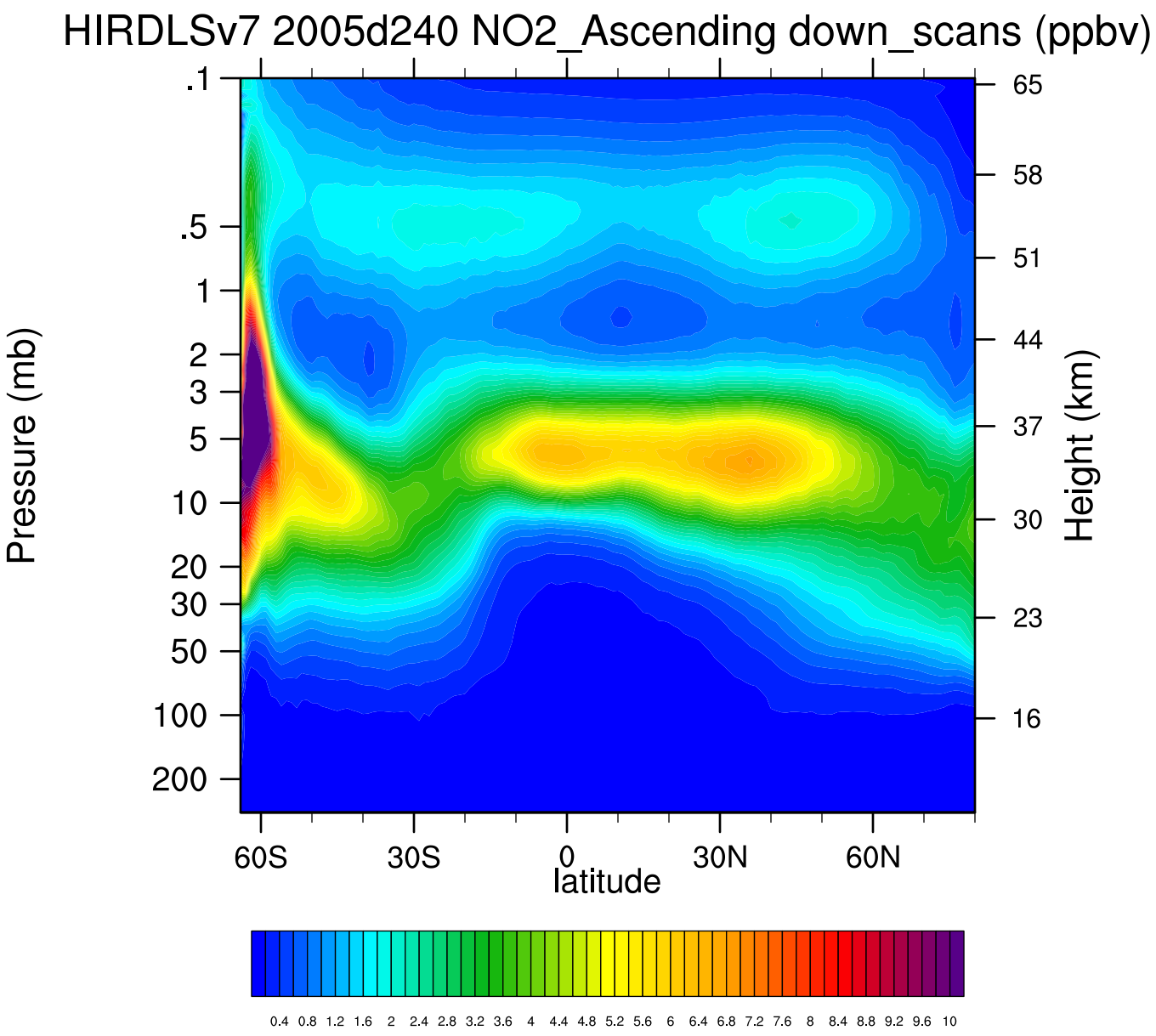

HIRDLSv7 2005d235 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

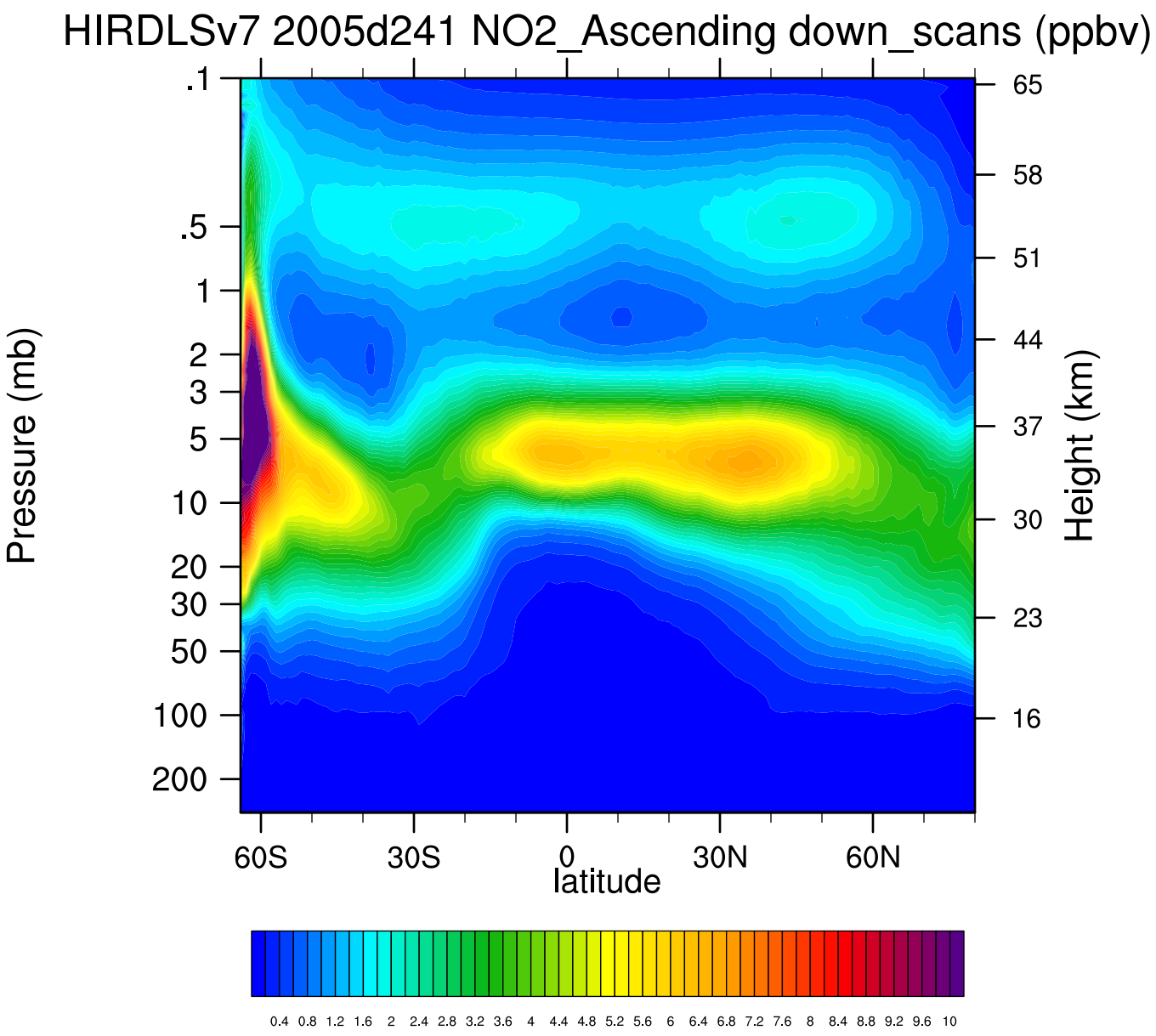

HIRDLSv7 2005d236 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

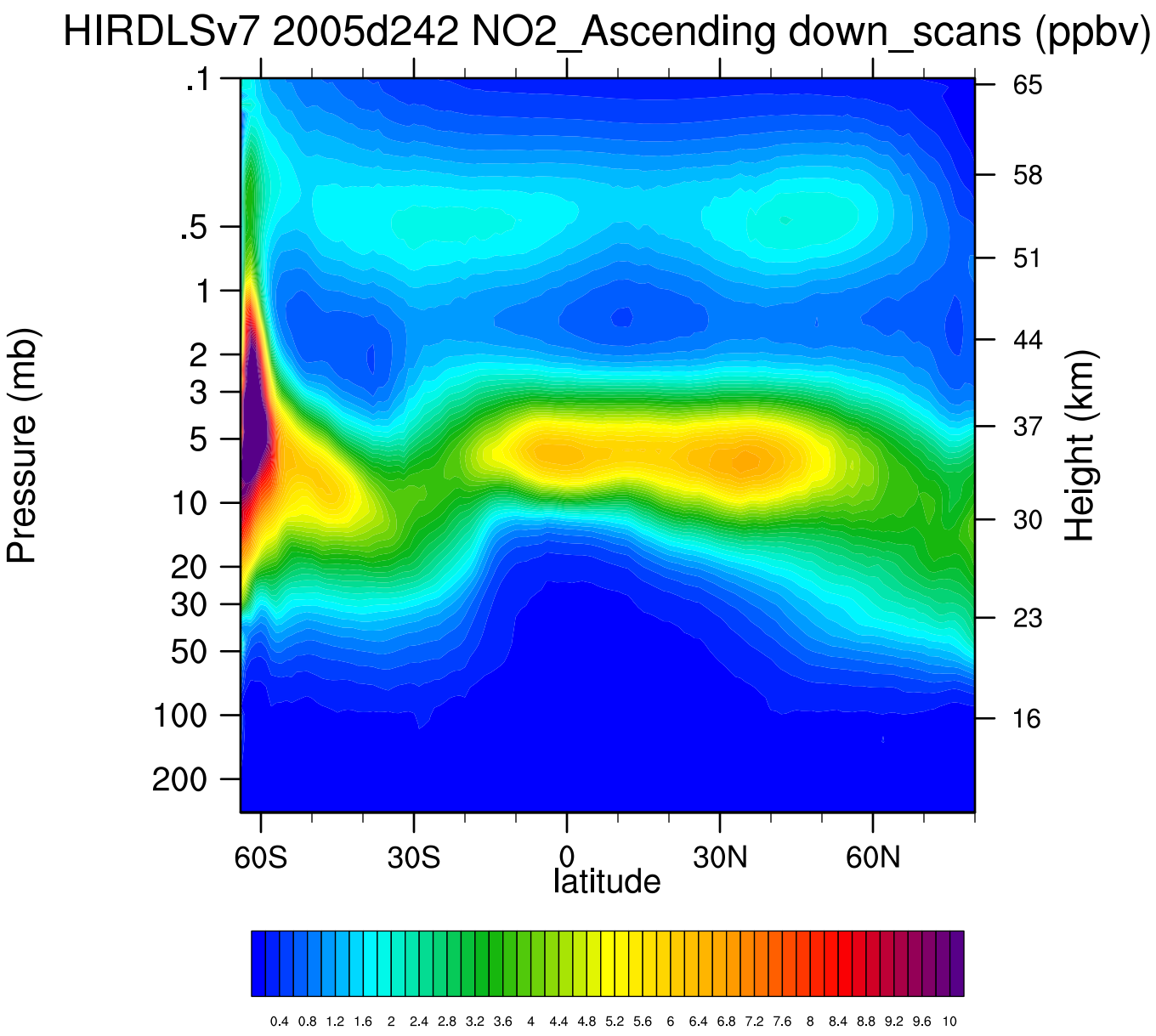

HIRDLSv7 2005d237 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

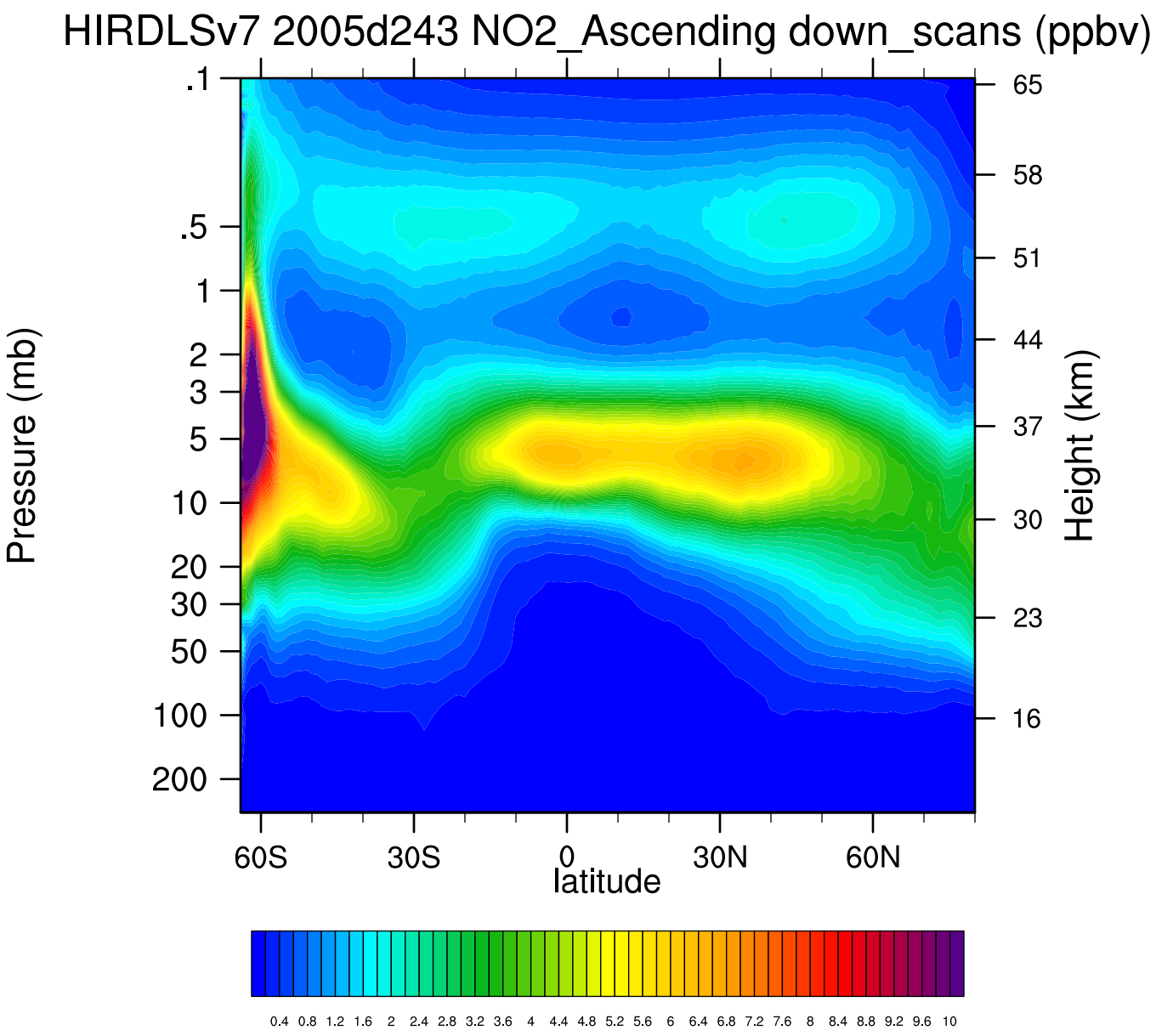

HIRDLSv7 2005d238 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

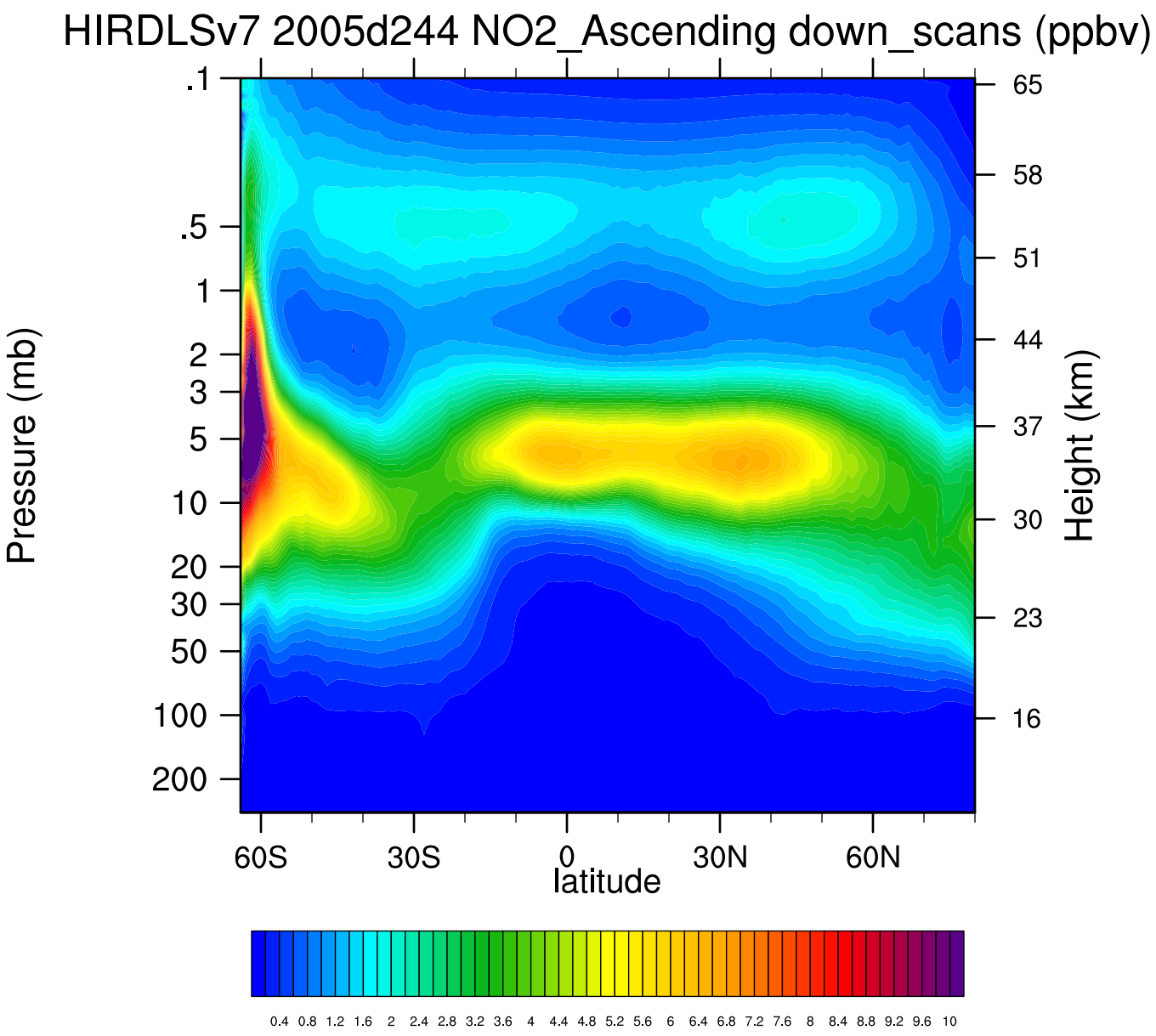

HIRDLSv7 2005d239 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

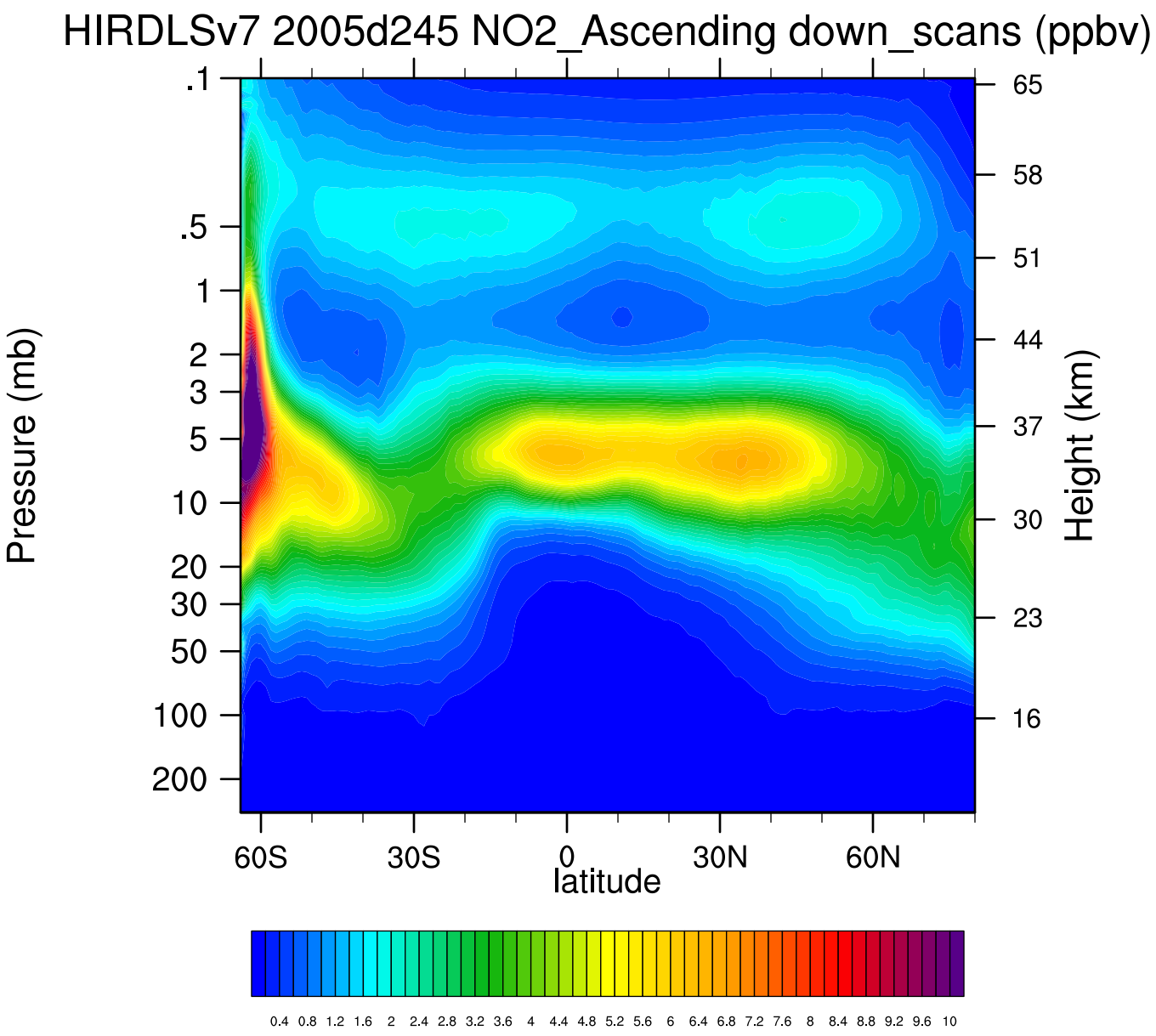

HIRDLSv7 2005d240 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

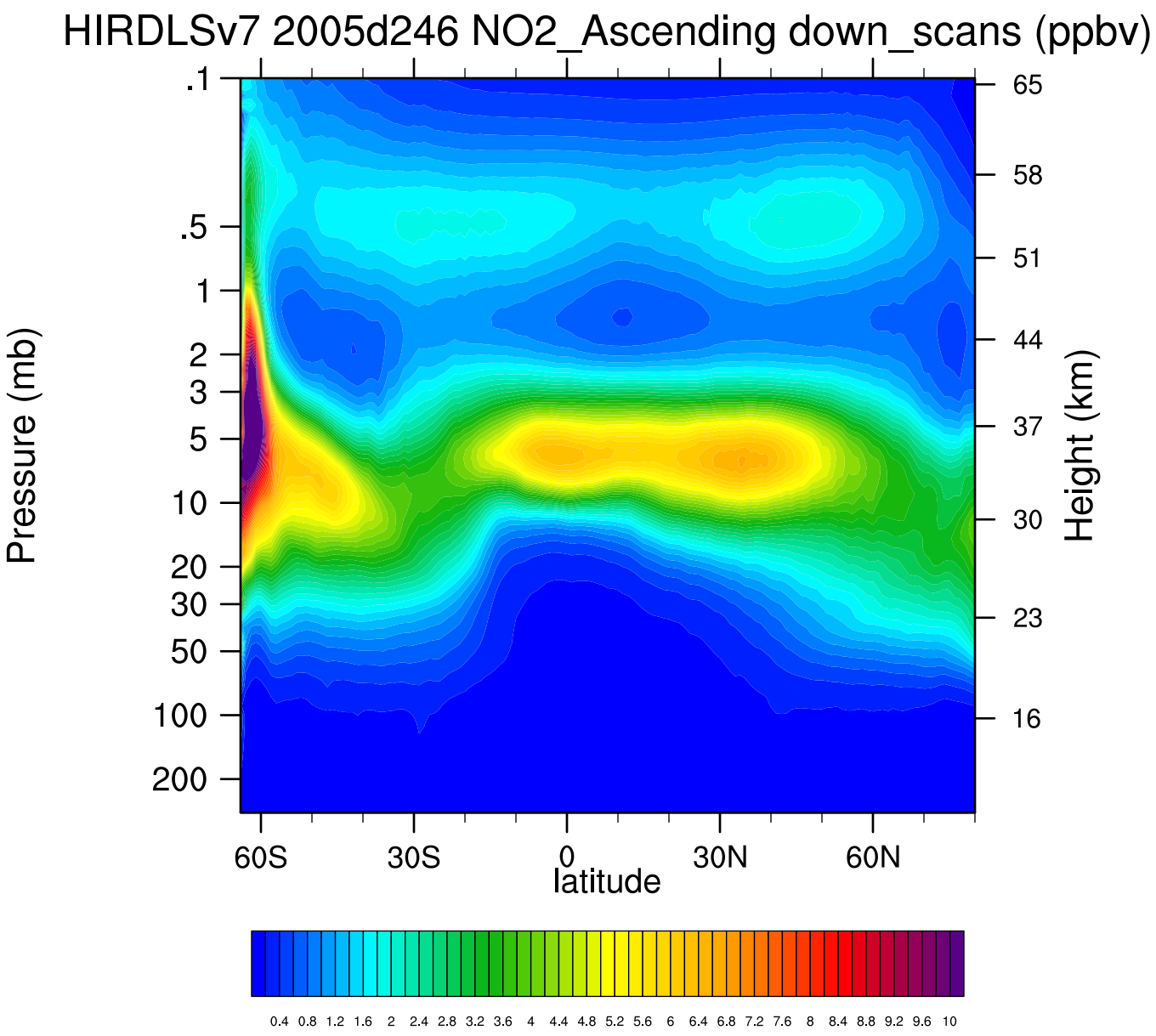

HIRDLSv7 2005d241 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

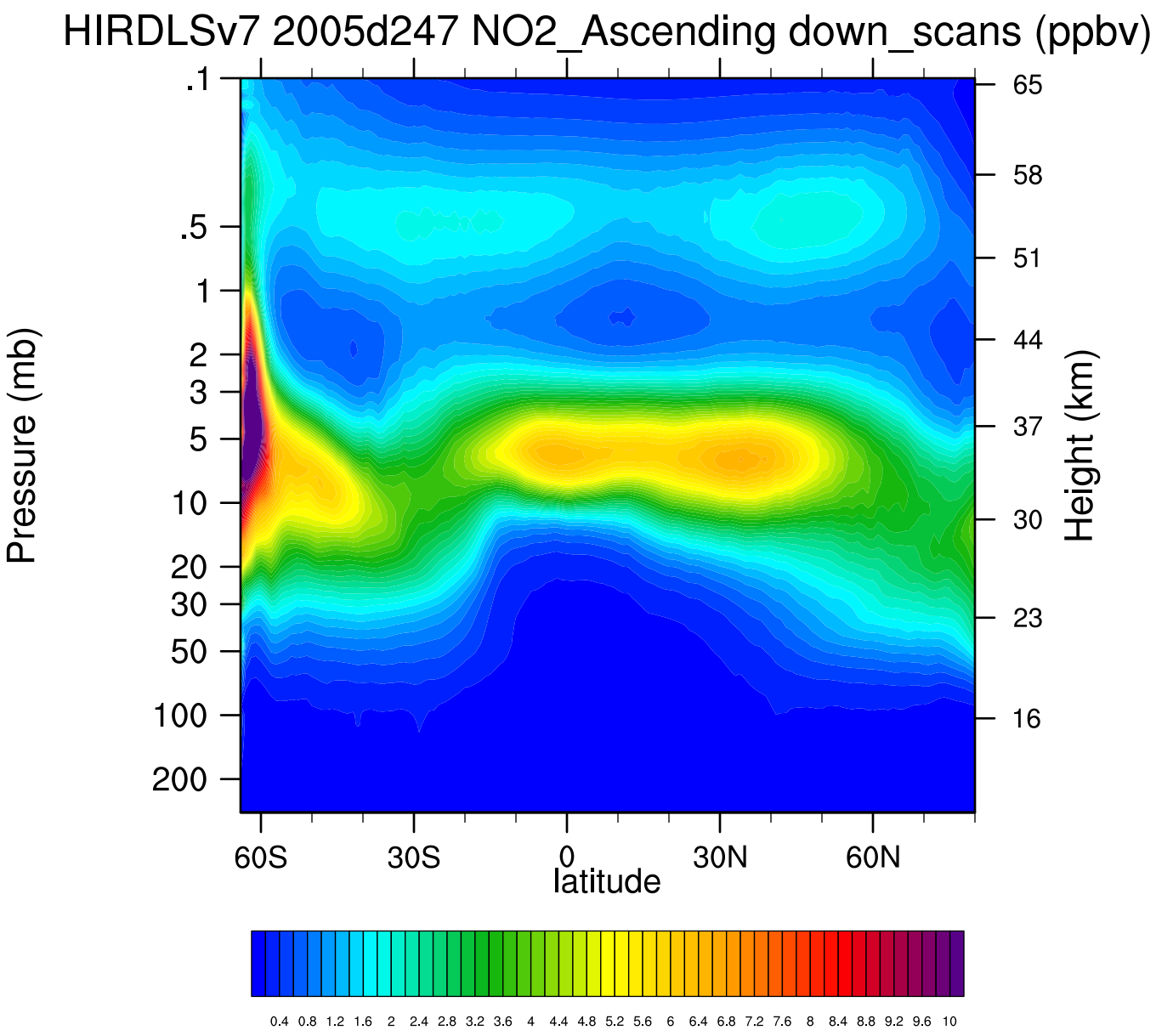

HIRDLSv7 2005d242 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

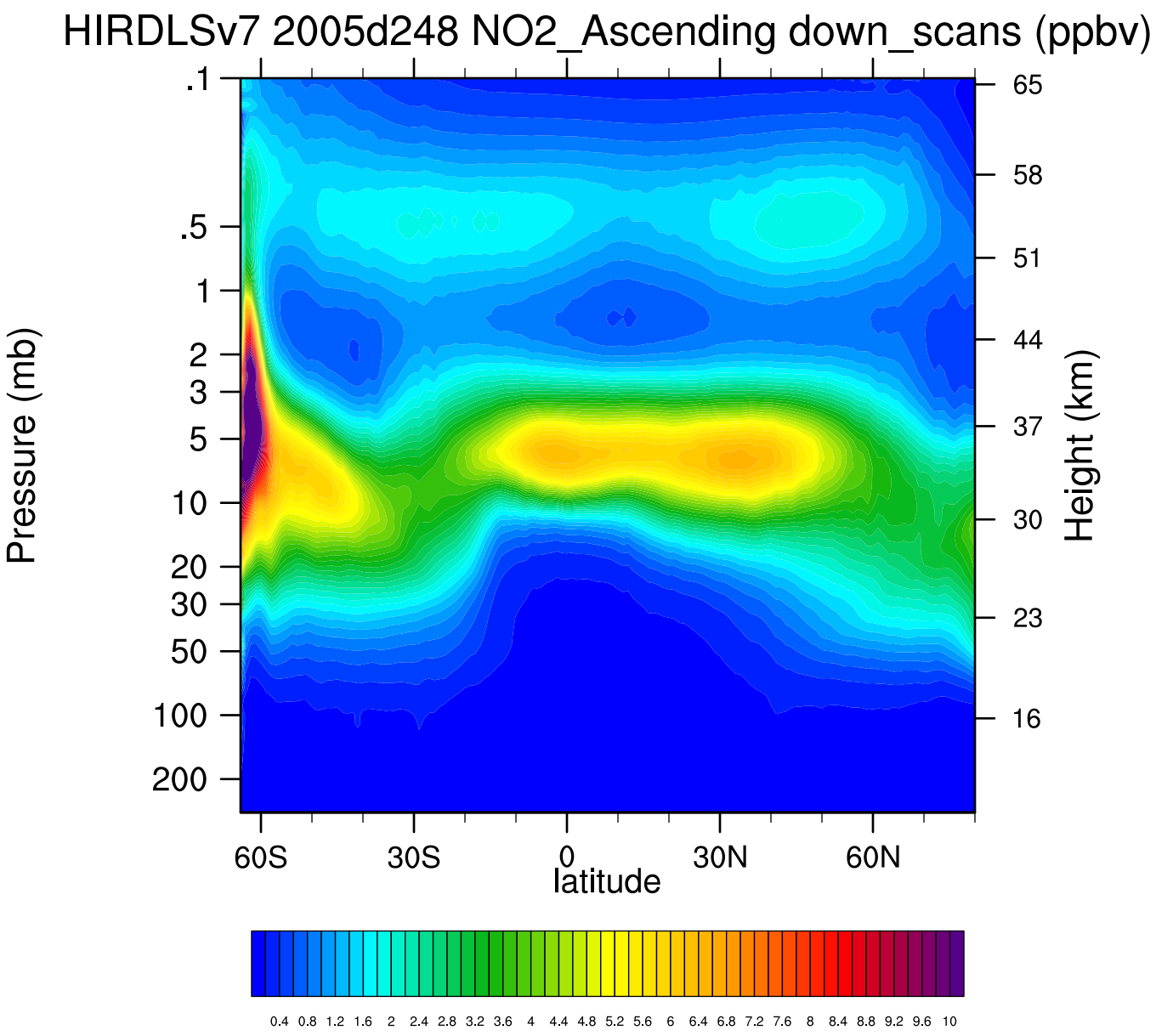

HIRDLSv7 2005d243 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

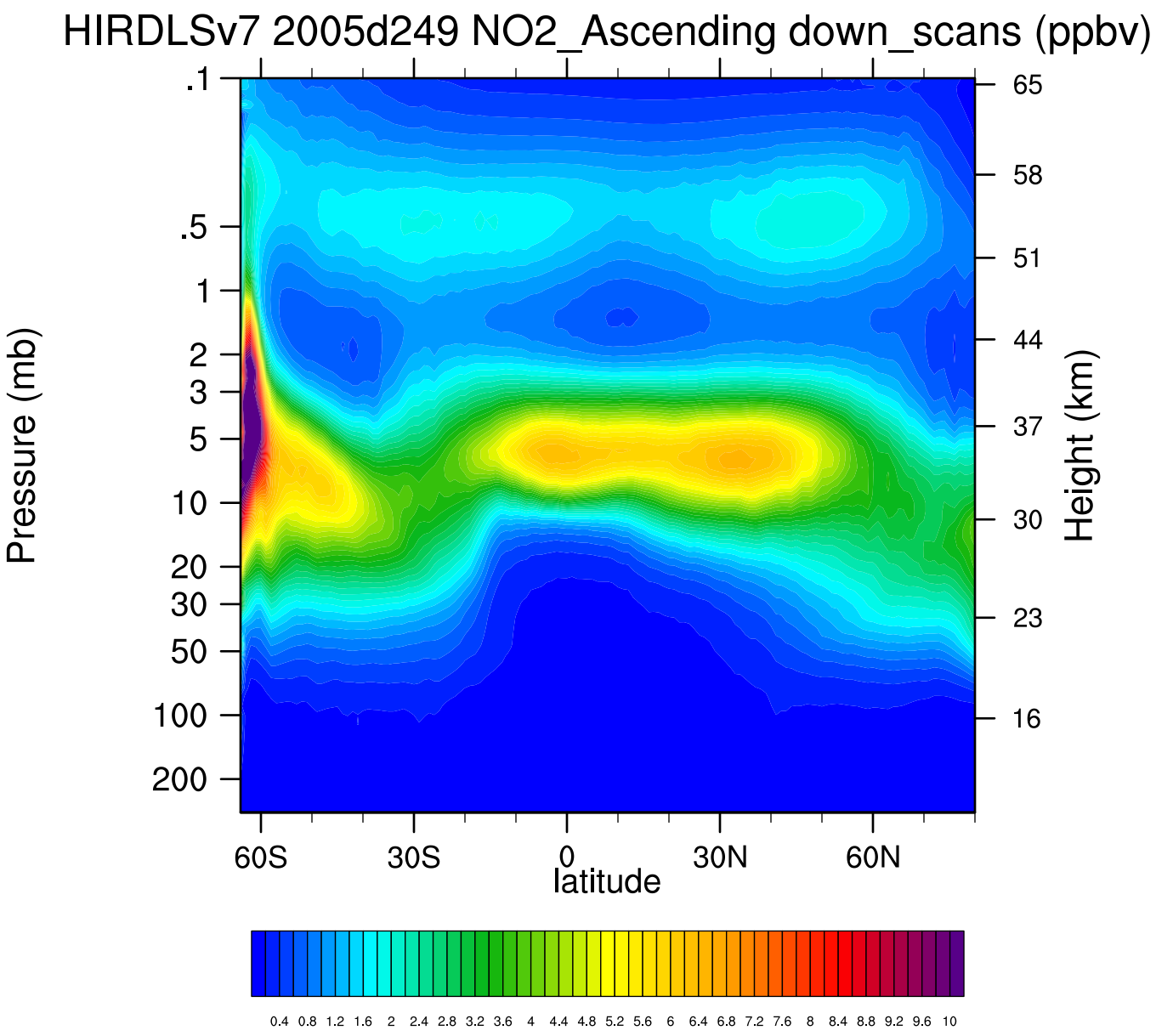

HIRDLSv7 2005d244 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

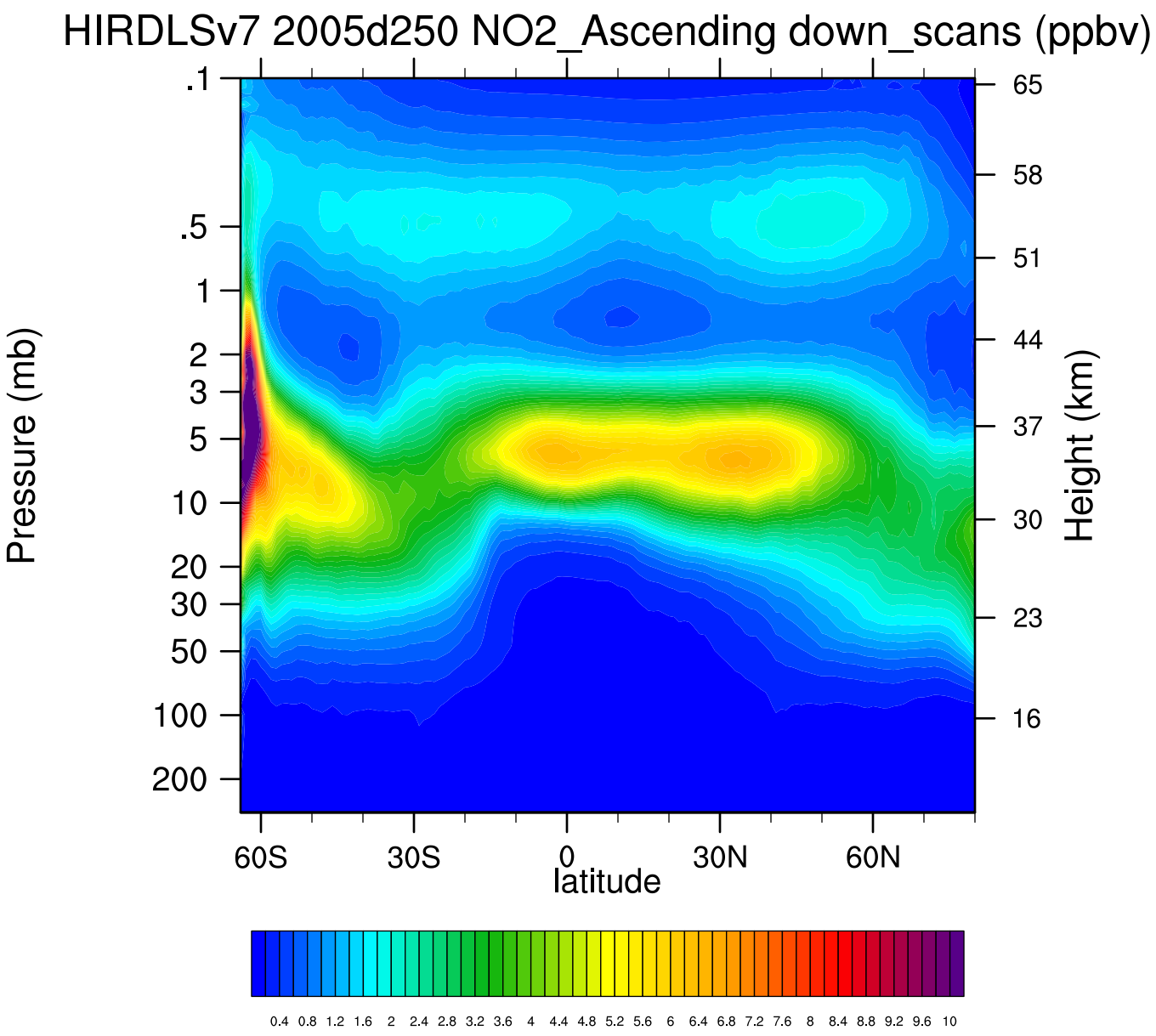

HIRDLSv7 2005d245 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

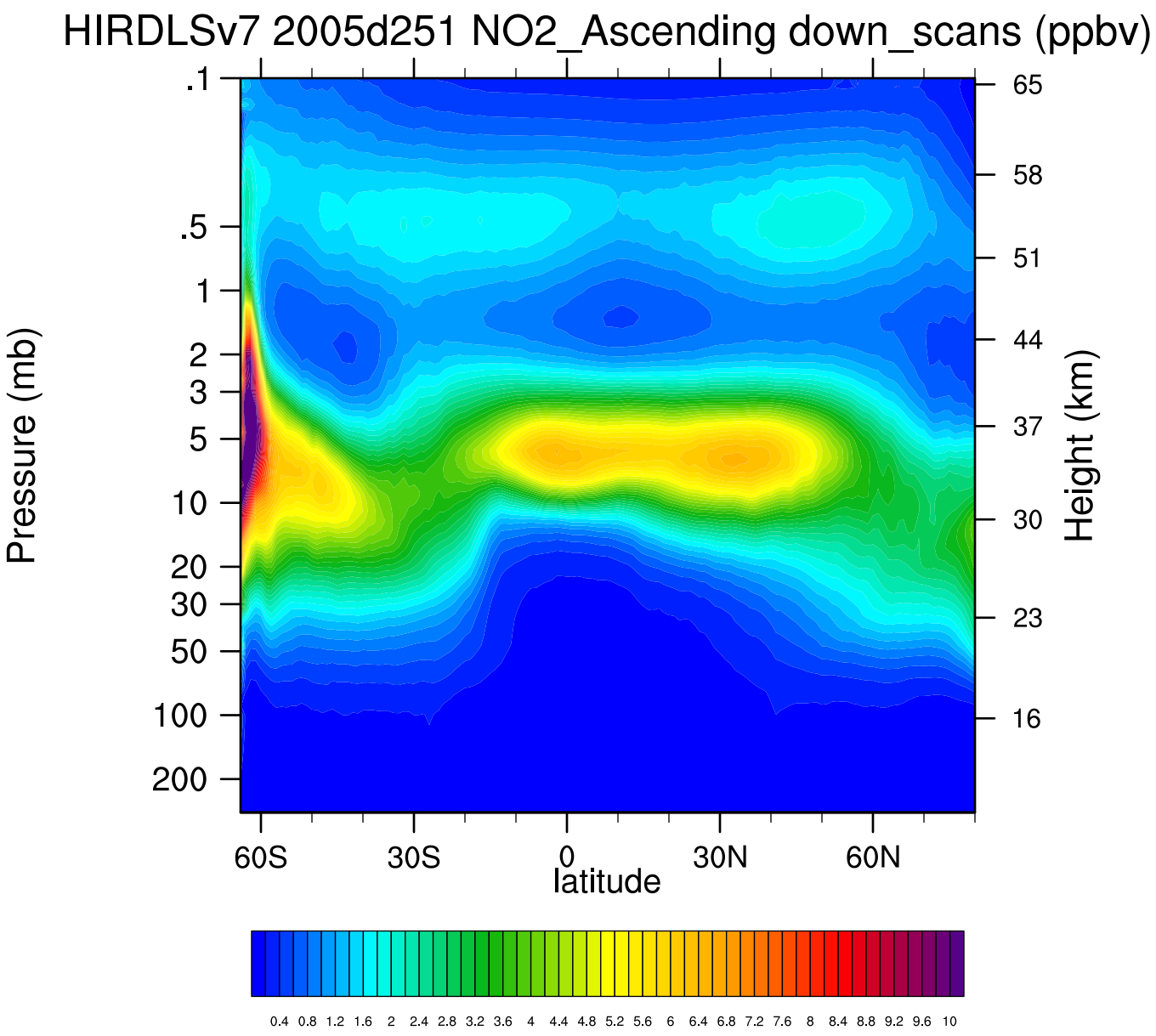

HIRDLSv7 2005d246 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

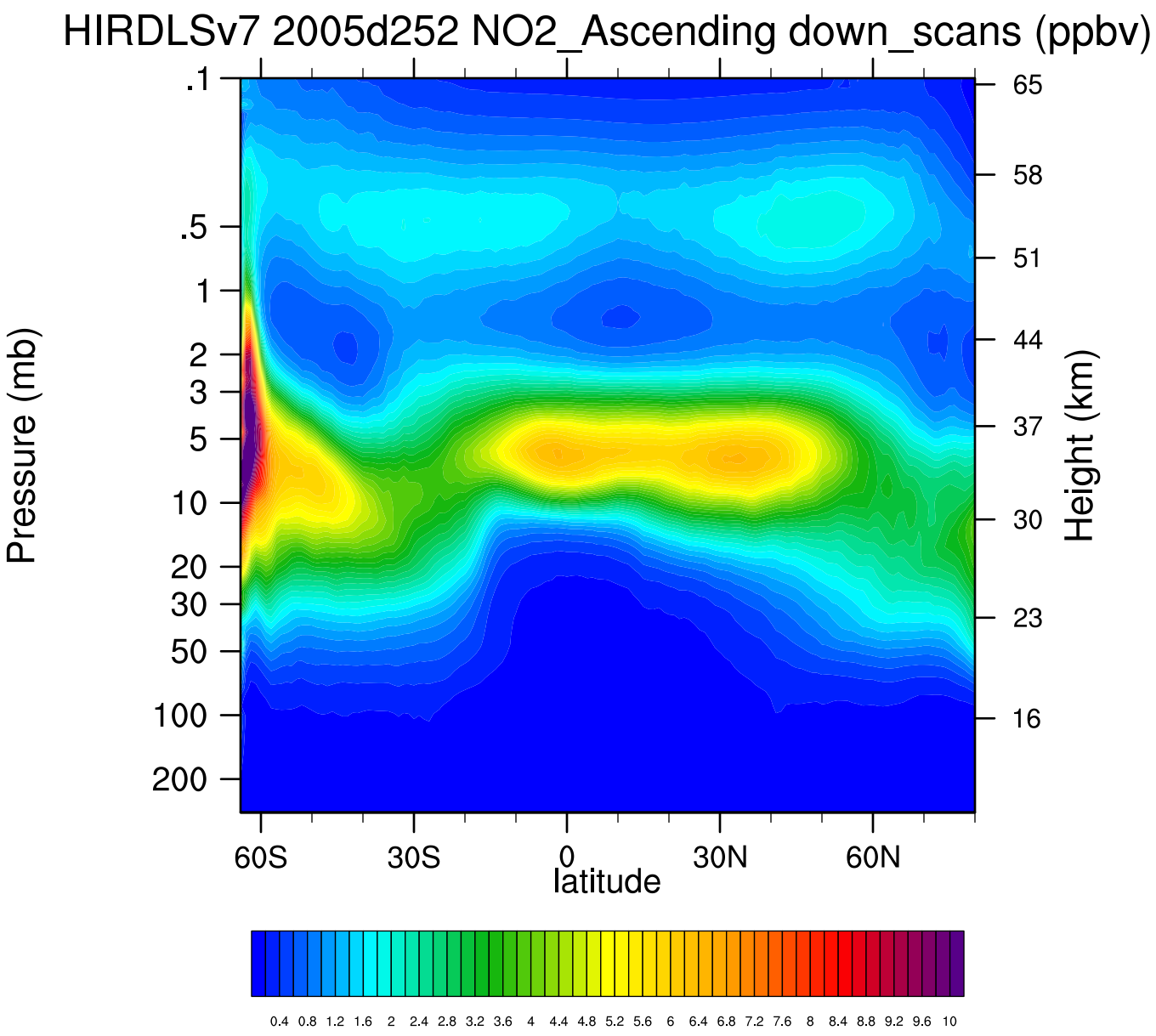

HIRDLSv7 2005d247 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

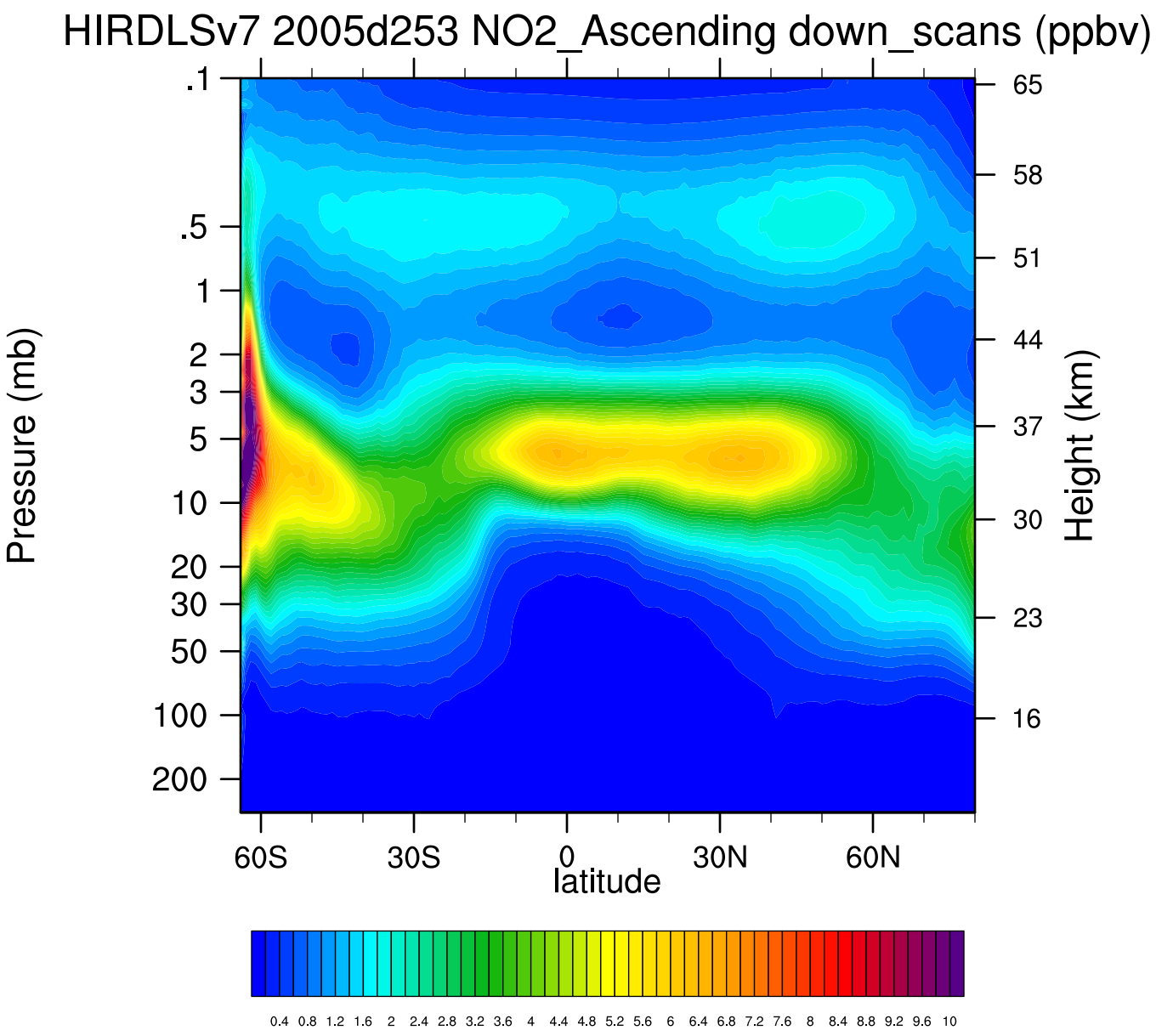

HIRDLSv7 2005d248 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

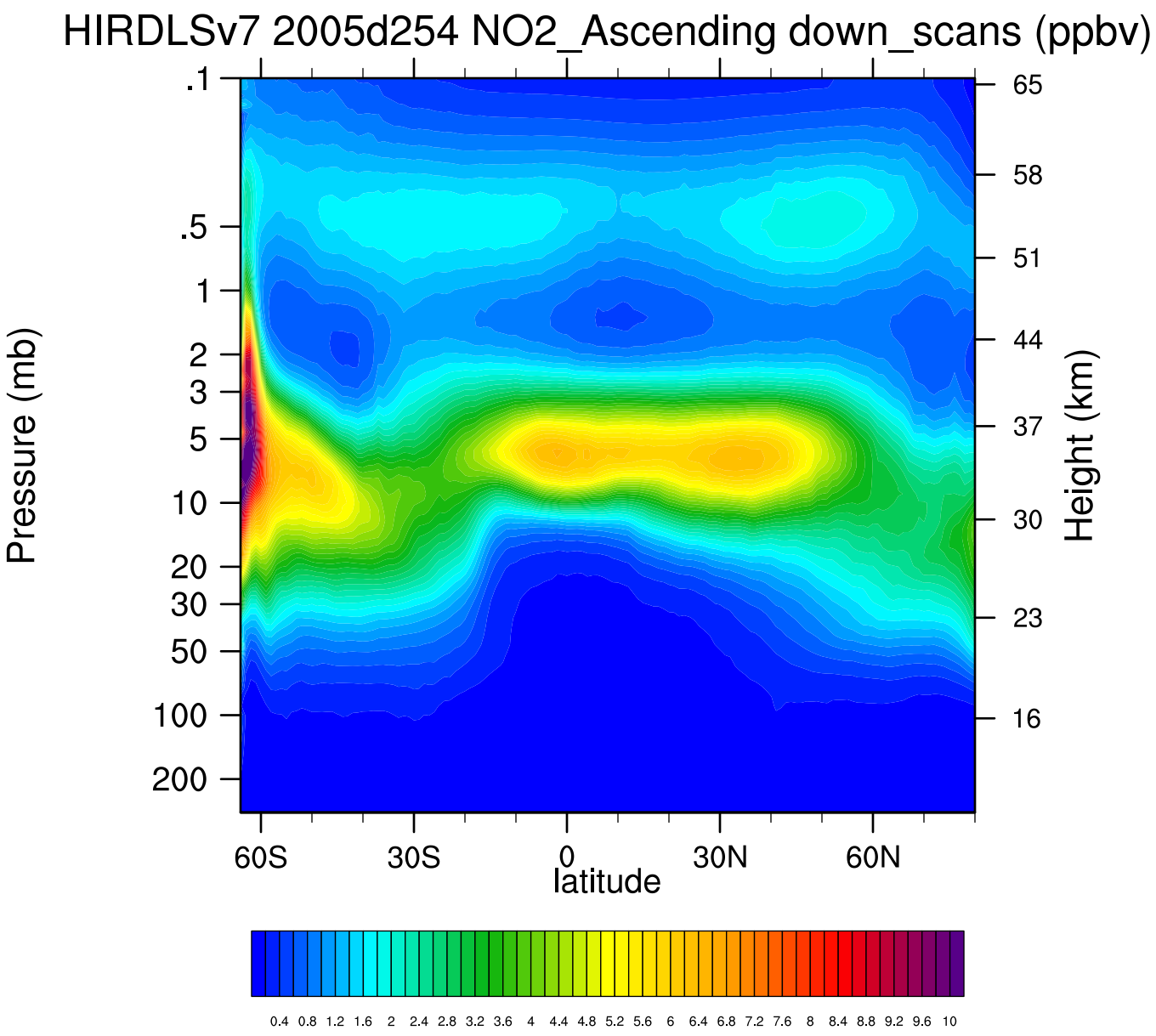

HIRDLSv7 2005d249 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

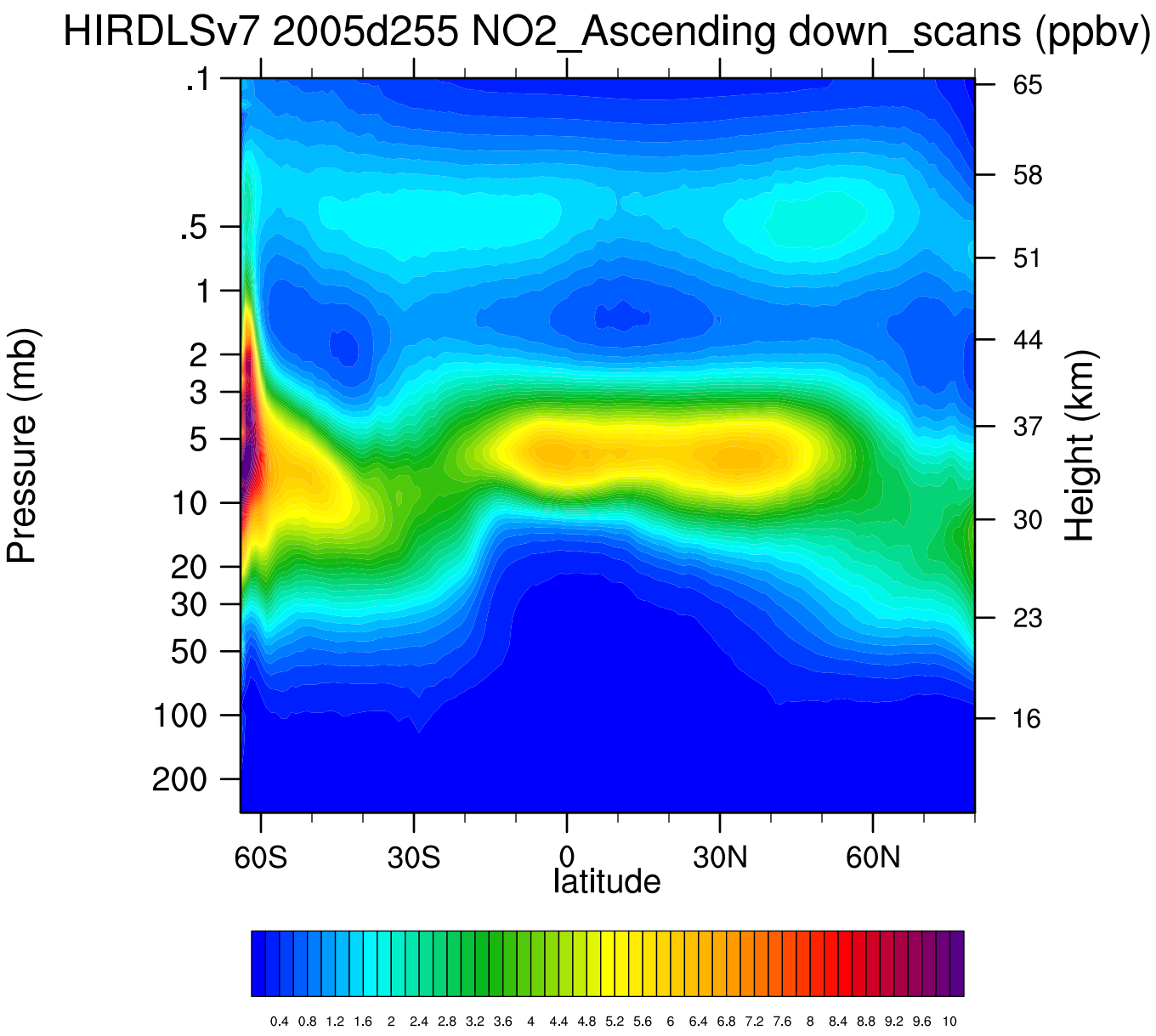

HIRDLSv7 2005d250 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

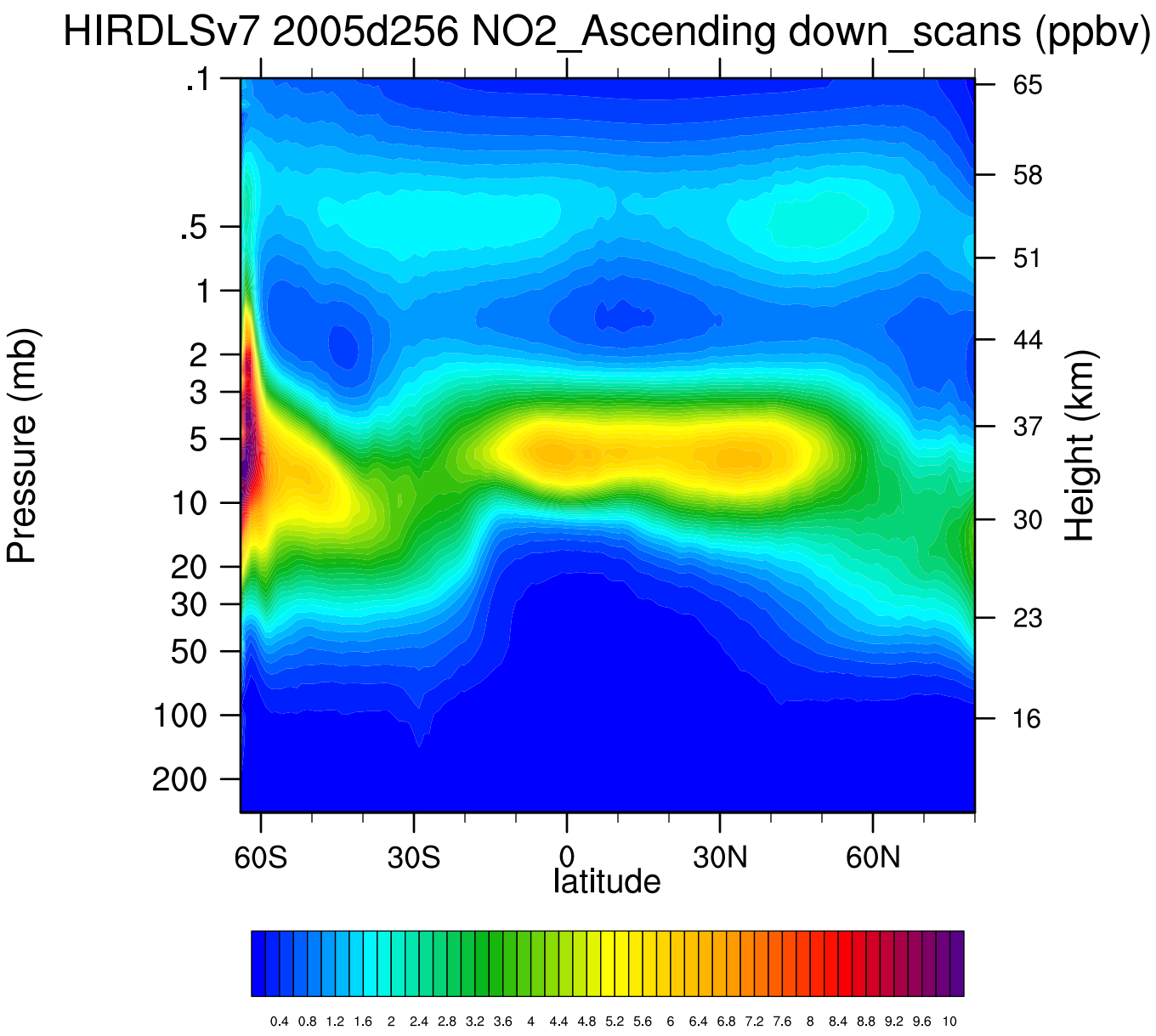

HIRDLSv7 2005d251 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

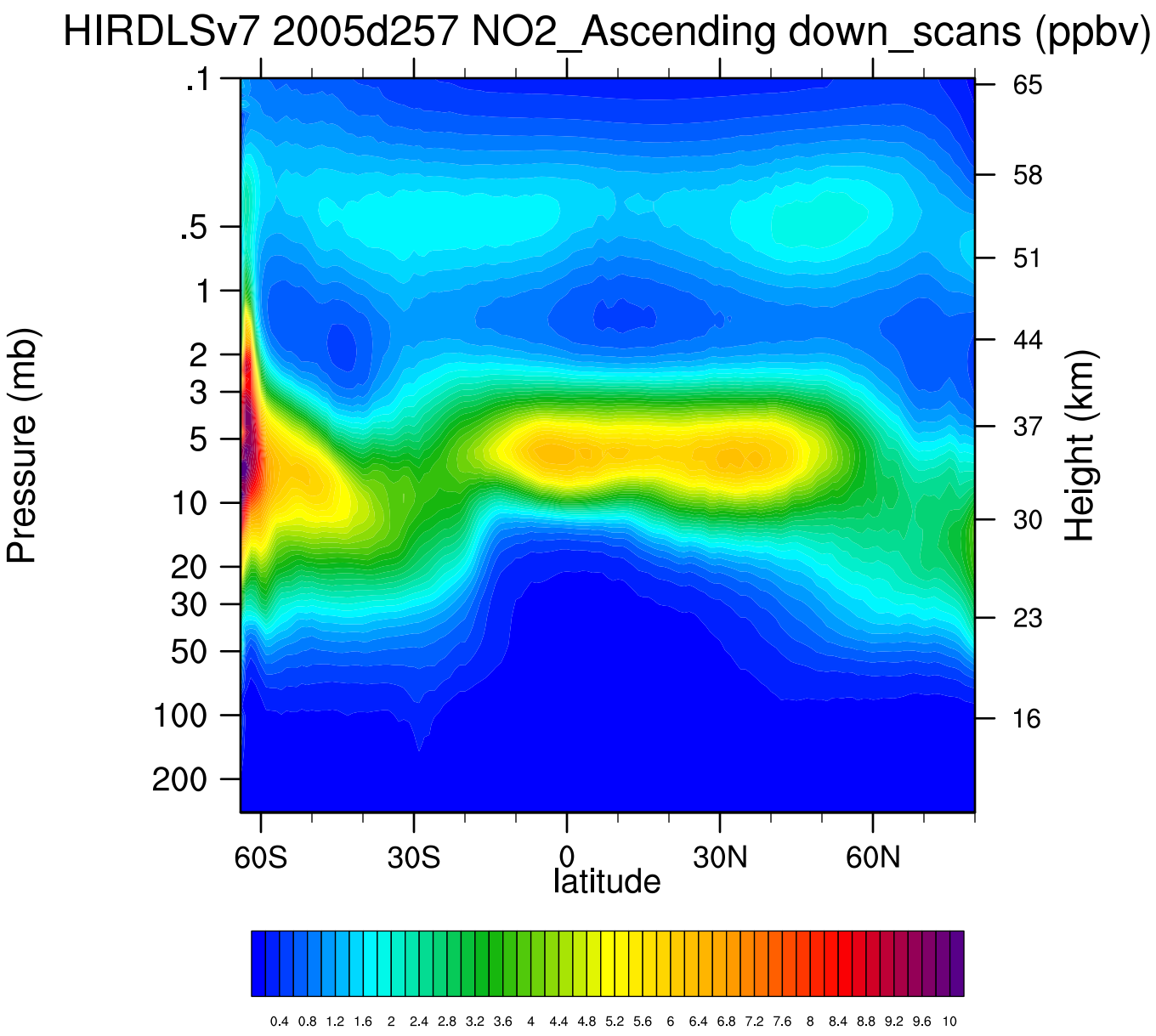

HIRDLSv7 2005d252 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2005d253 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2005d254 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2005d255 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2005d256 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2005d257 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
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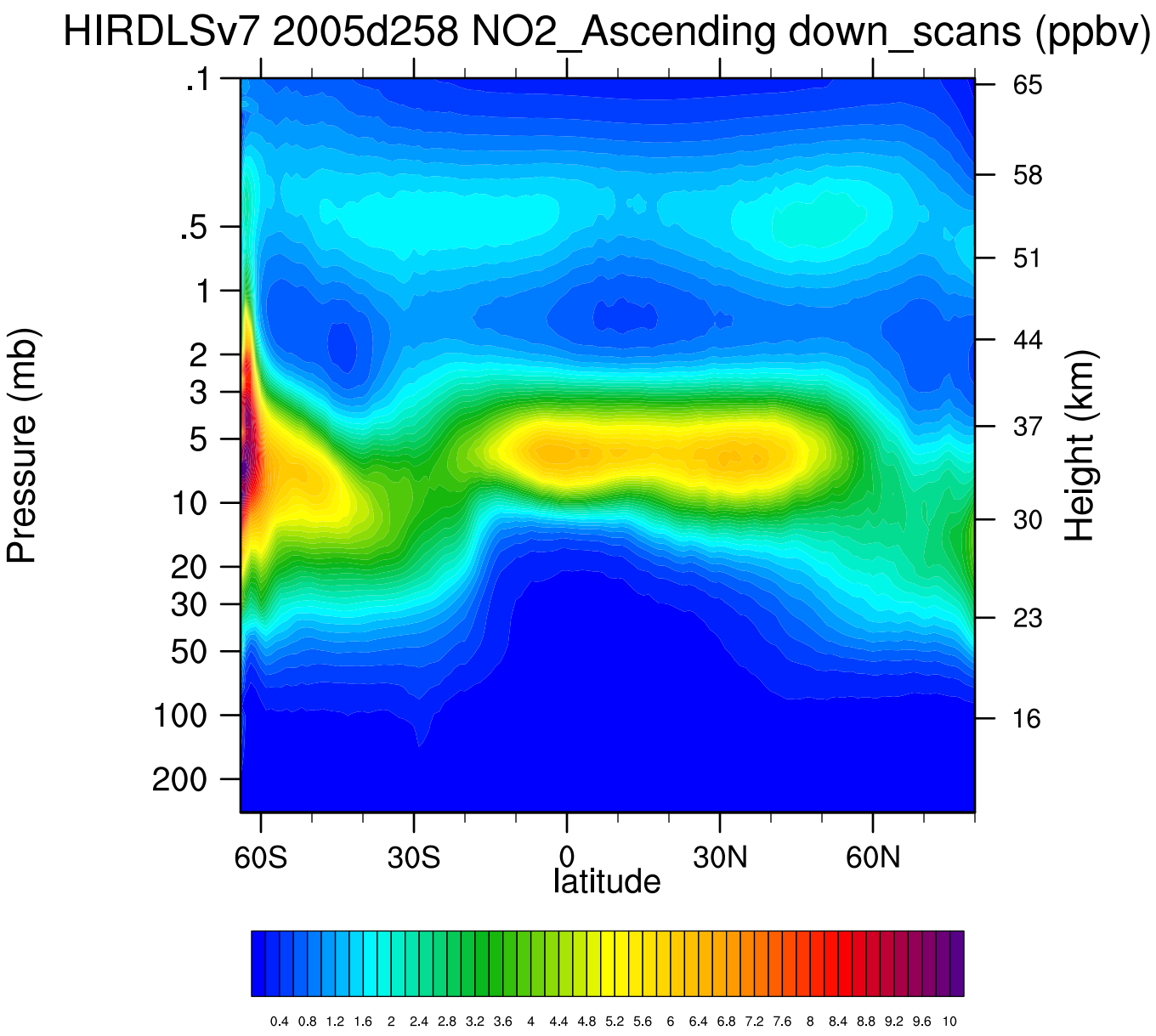
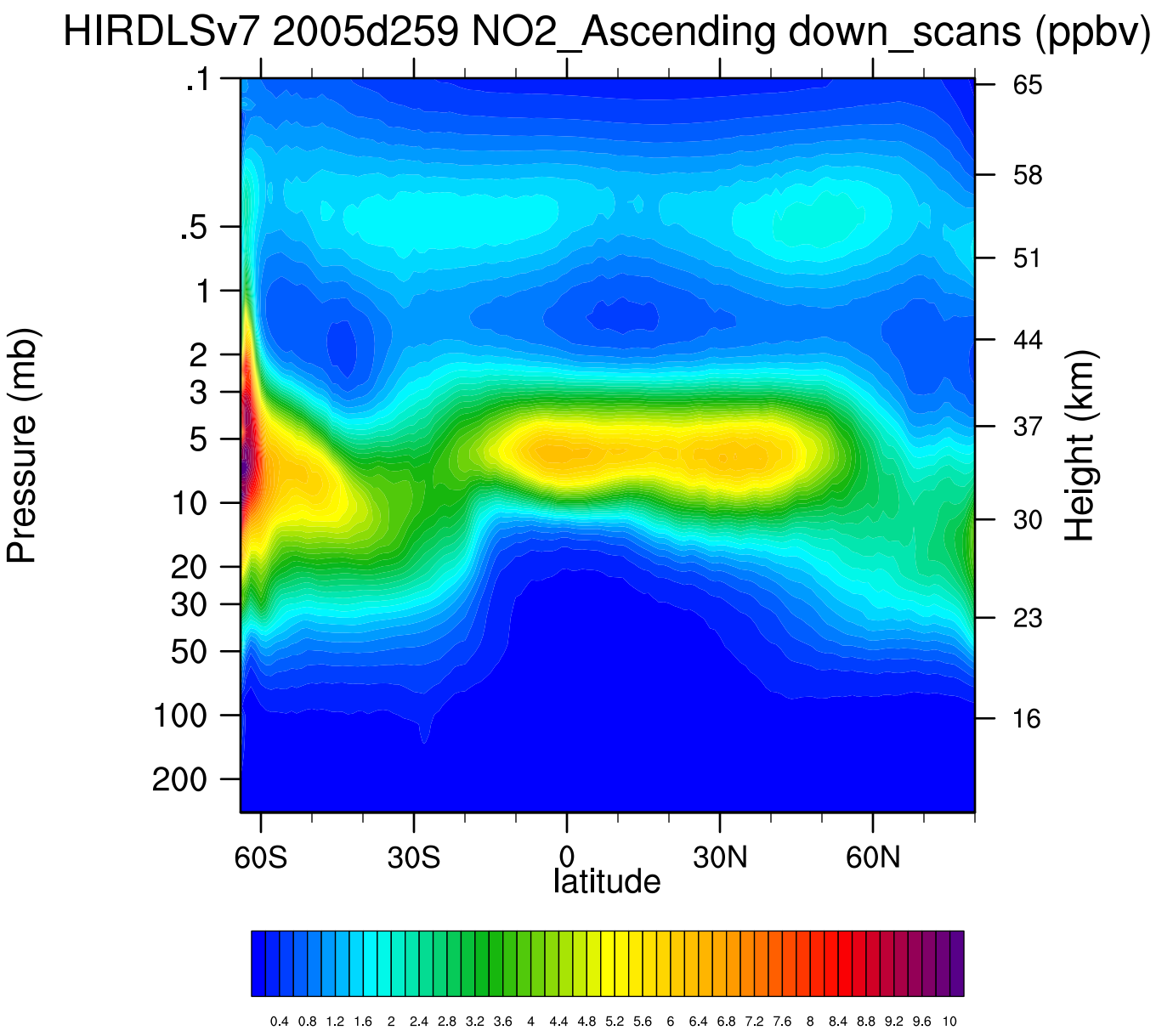
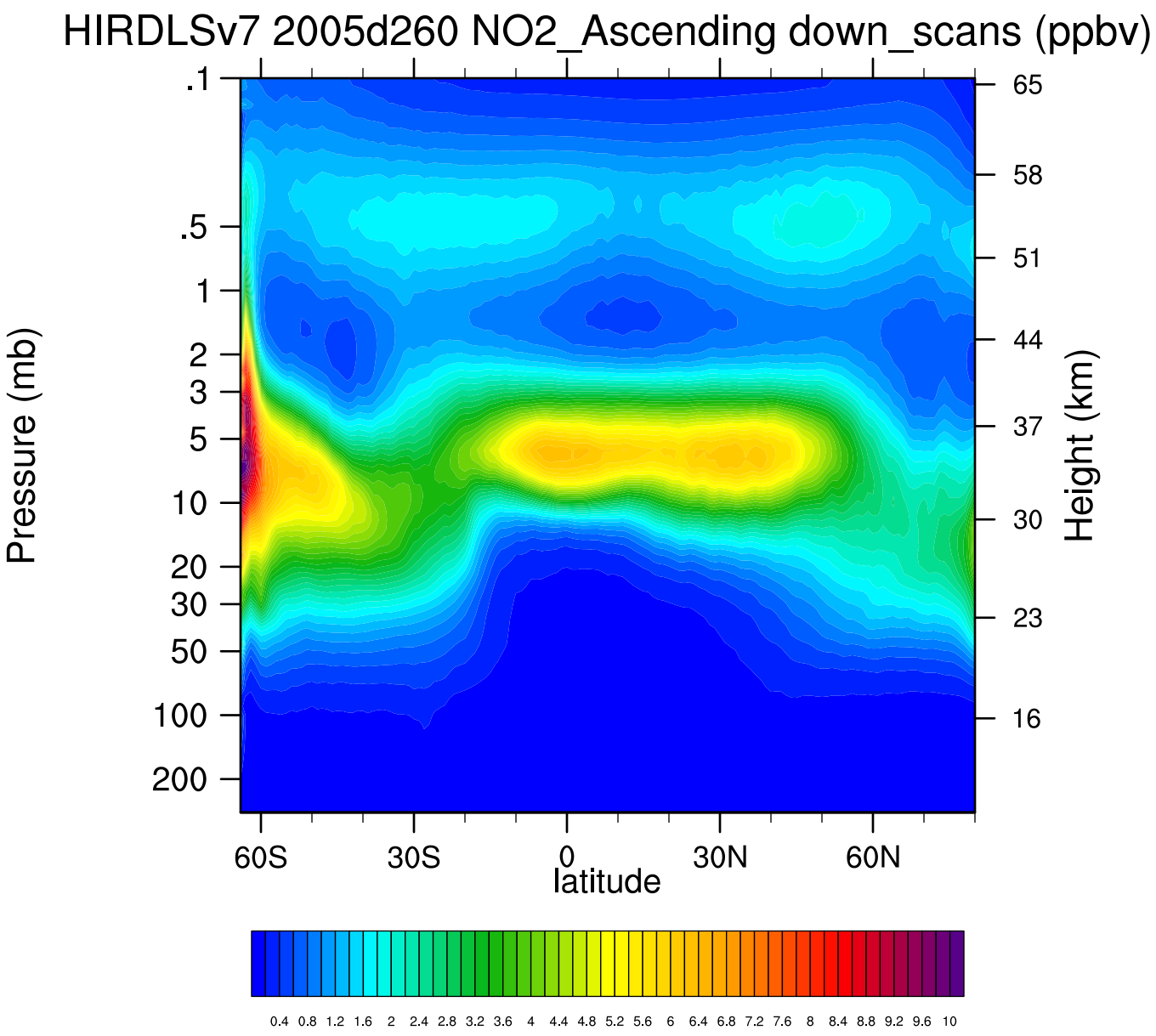
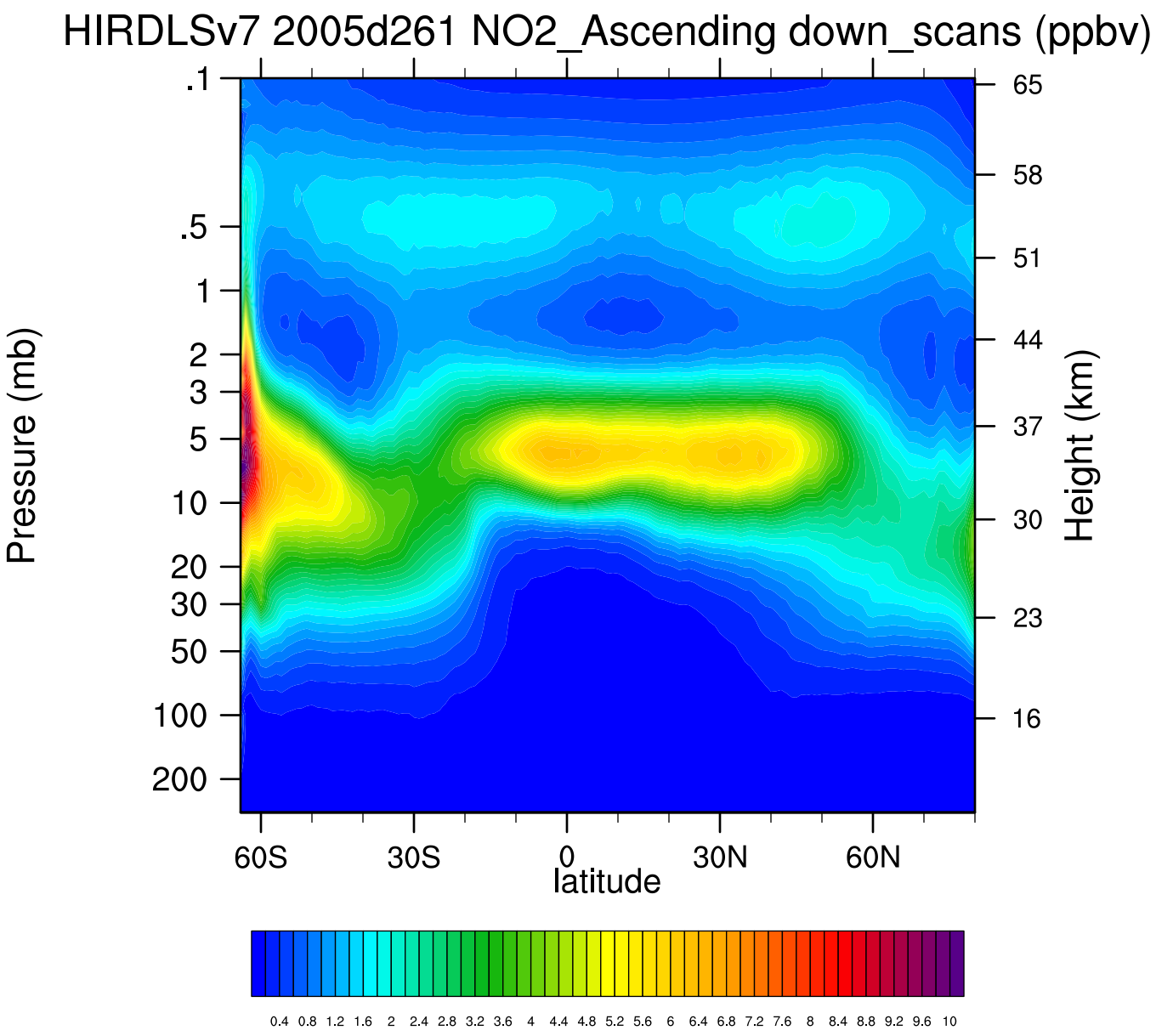
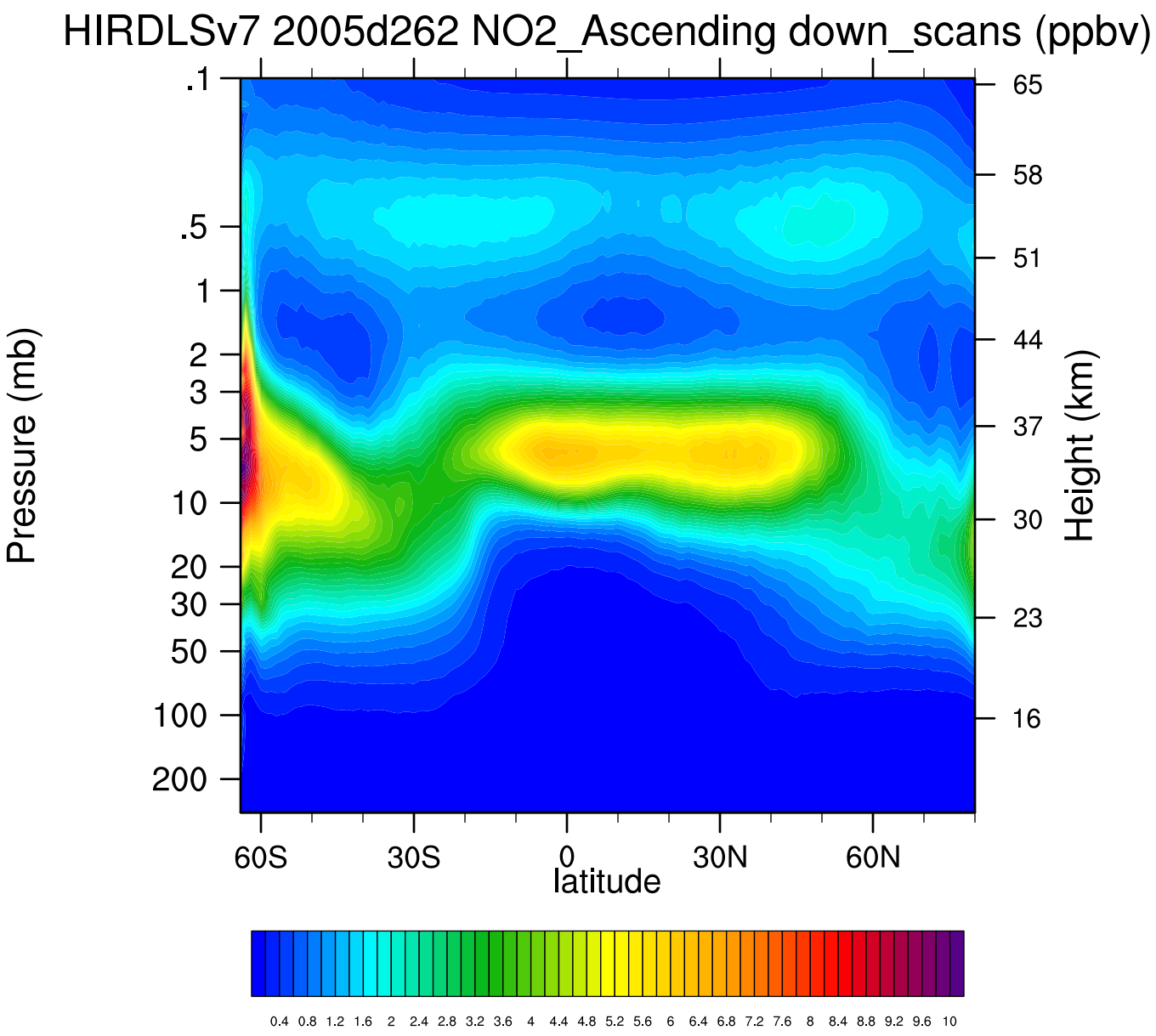
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

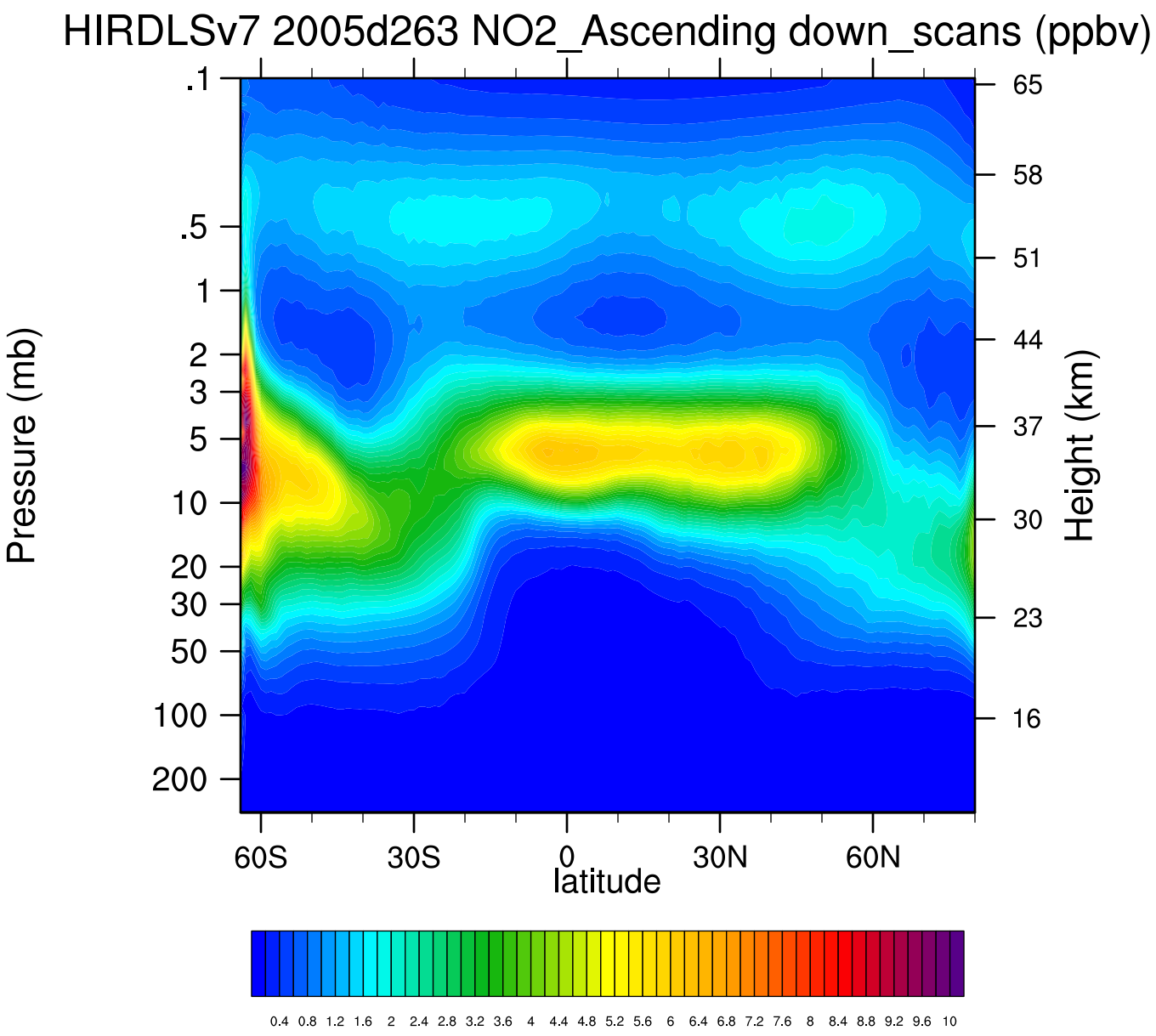

HIRDLSv7 2005d258 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

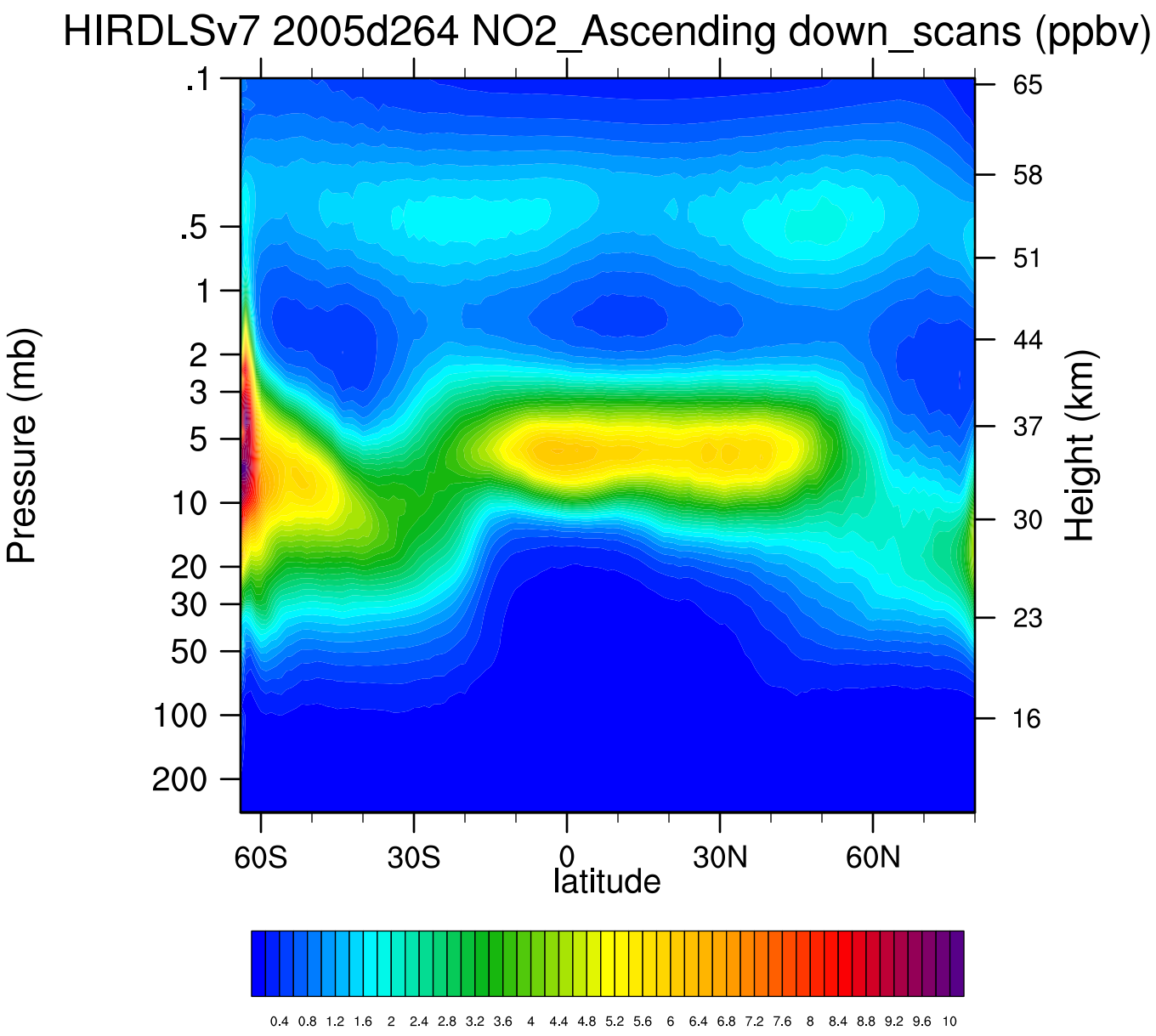

HIRDLSv7 2005d259 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

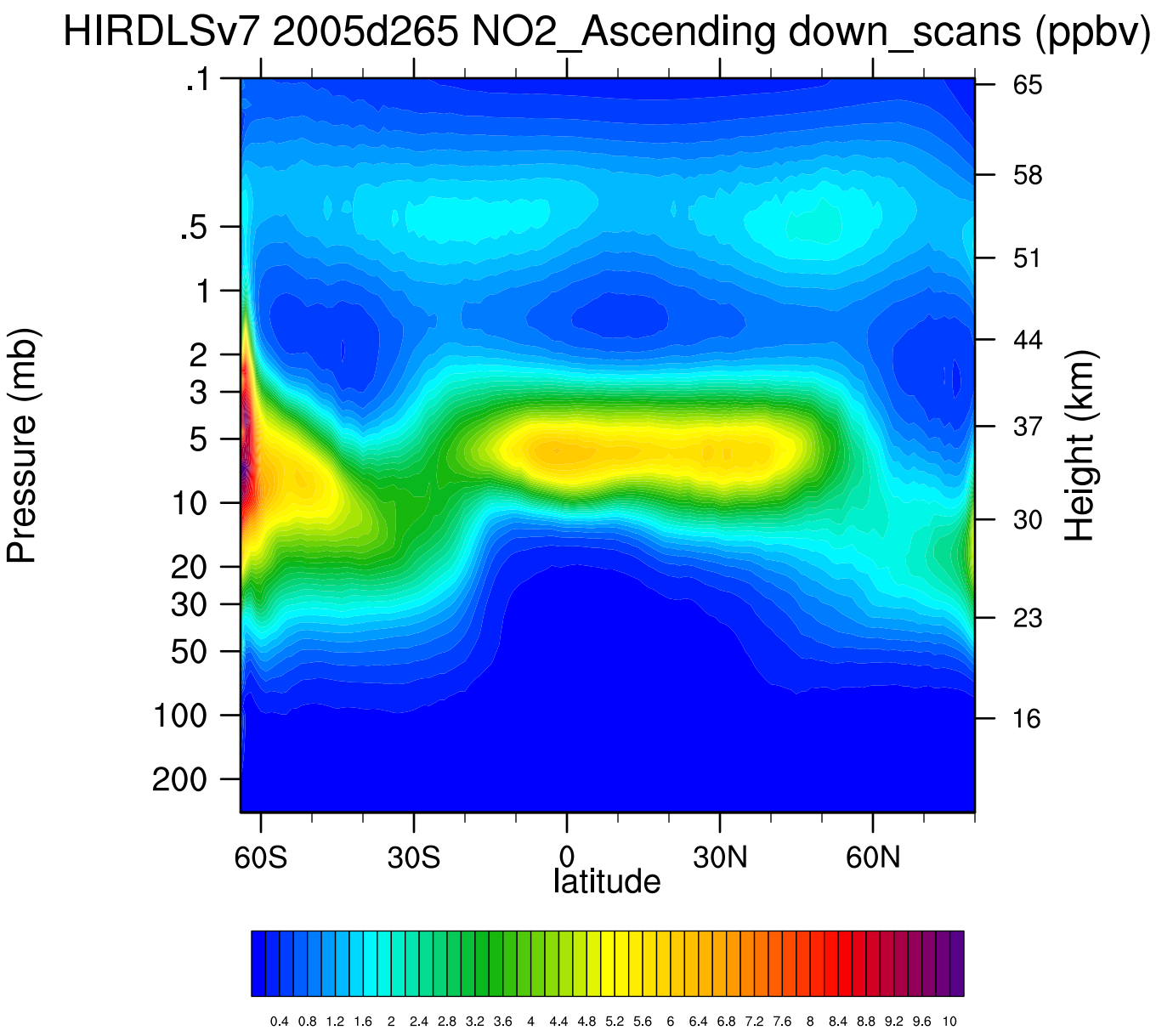

HIRDLSv7 2005d260 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

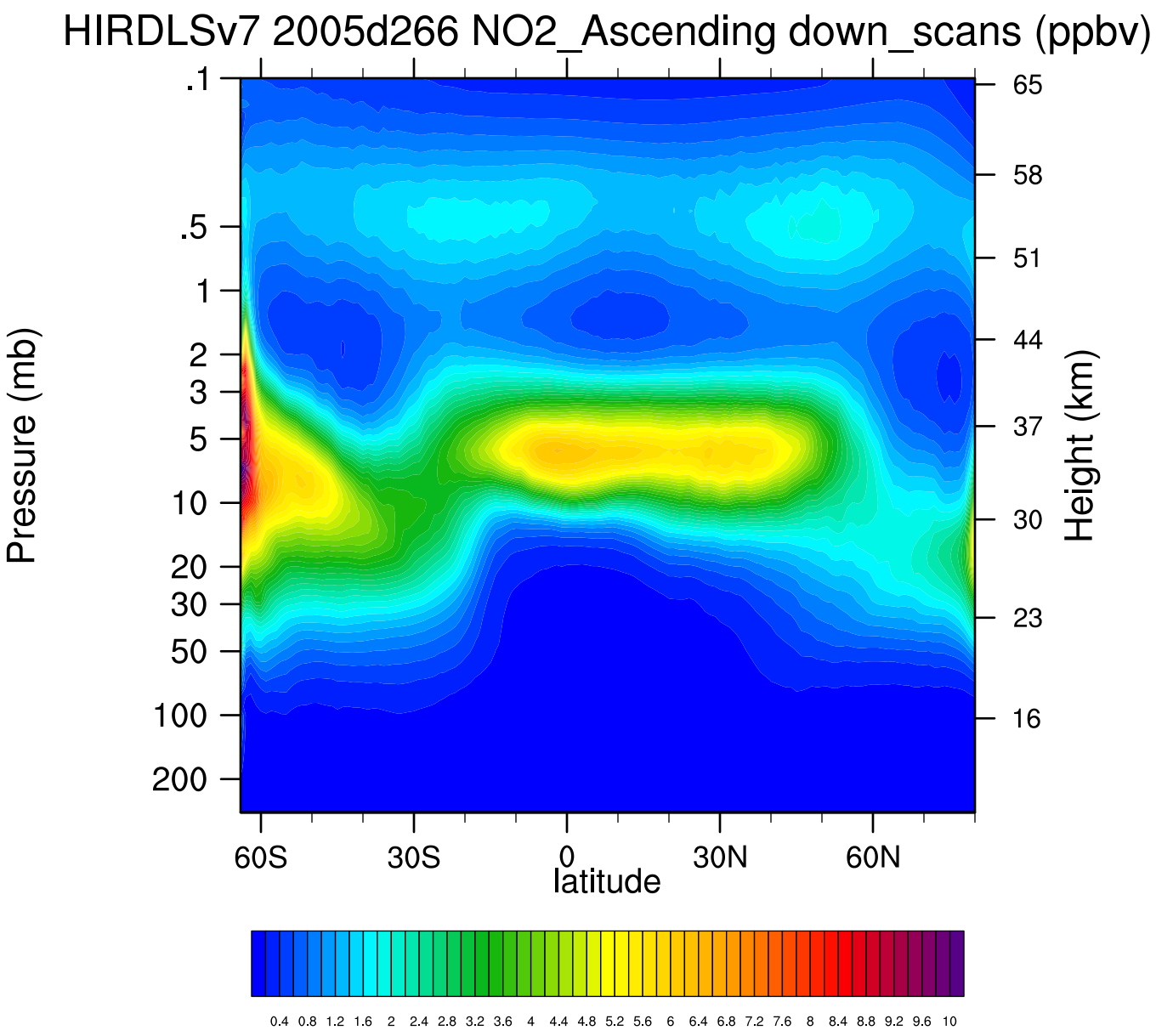

HIRDLSv7 2005d261 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

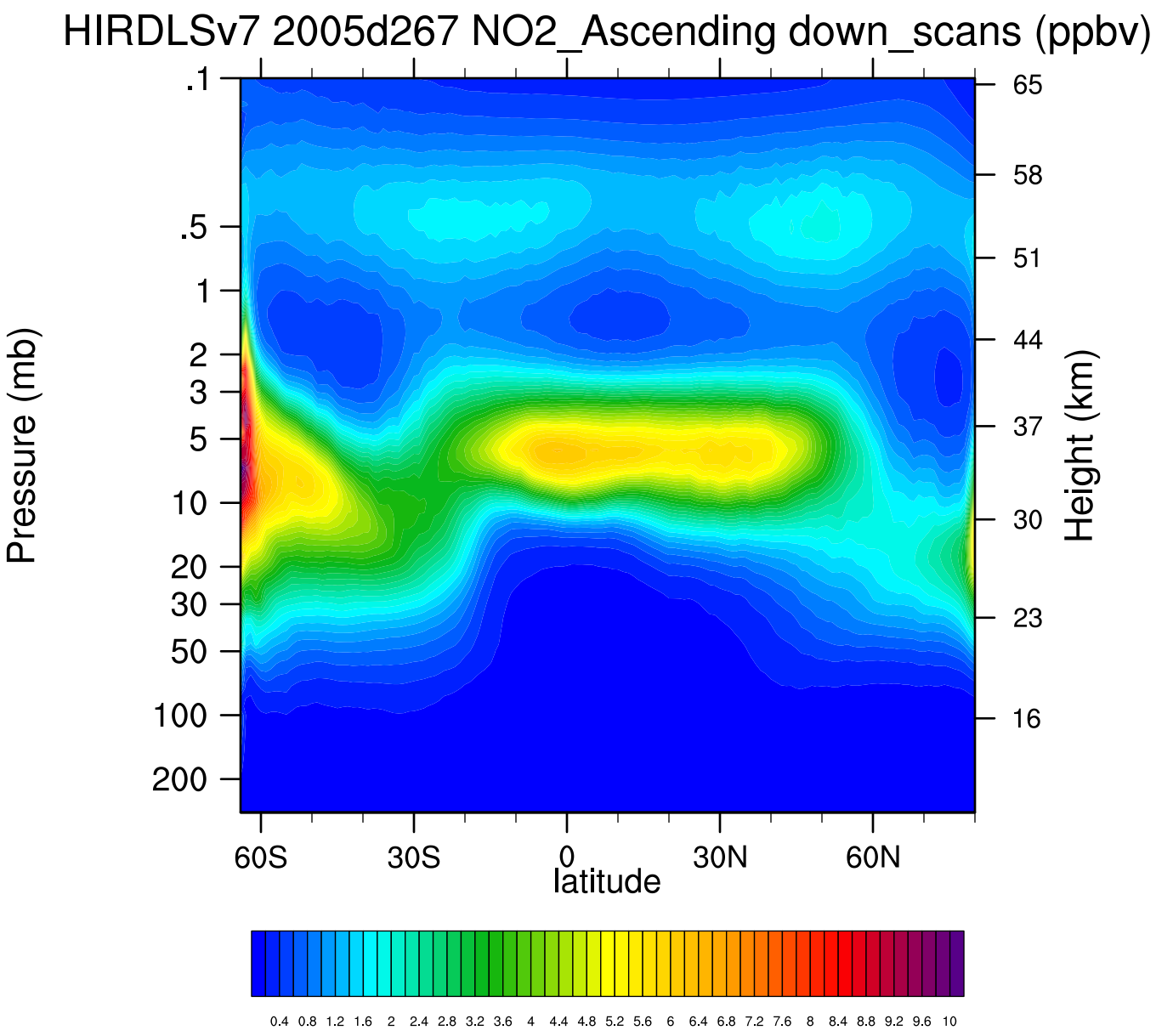

HIRDLSv7 2005d262 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

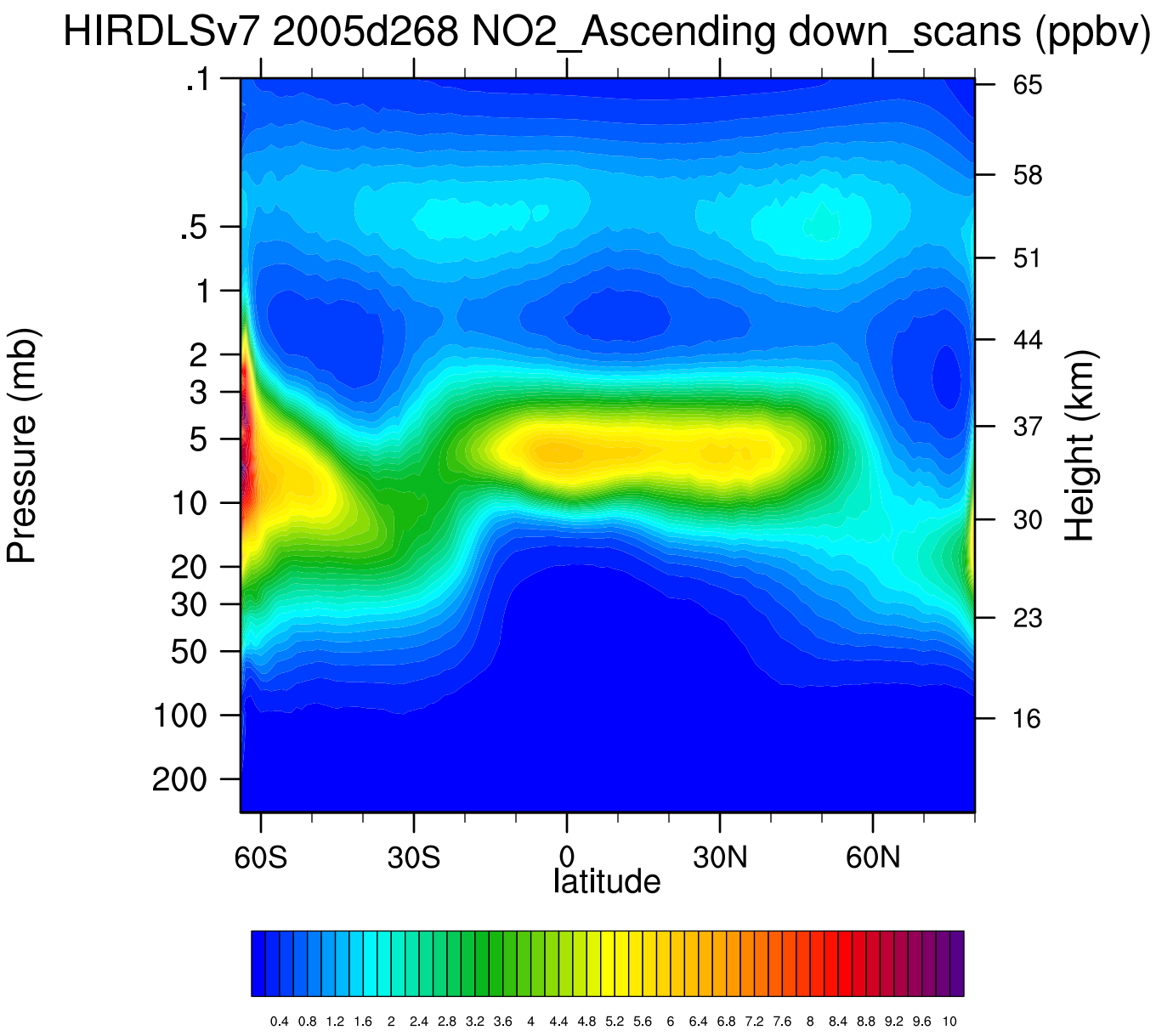

HIRDLSv7 2005d263 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

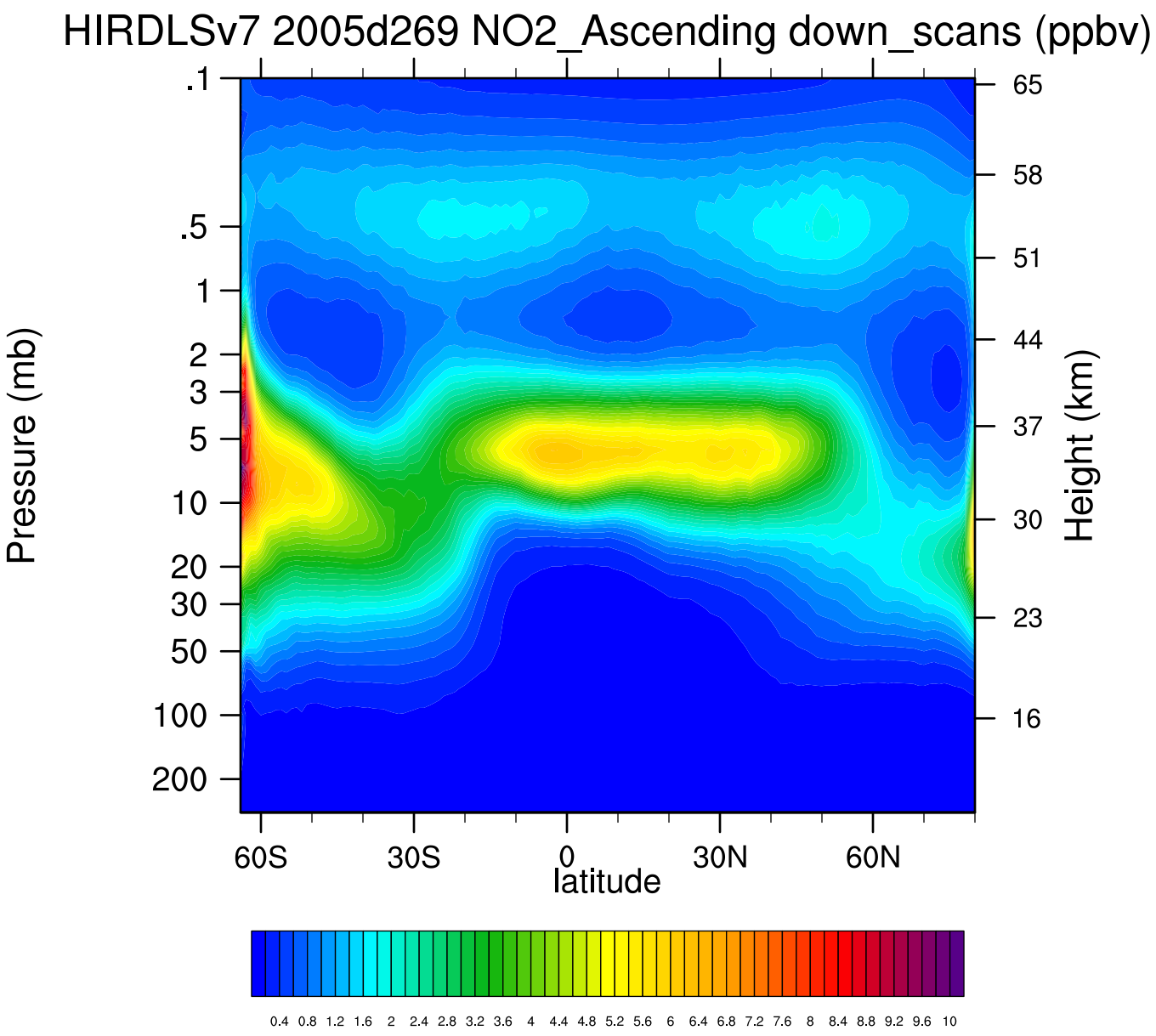

HIRDLSv7 2005d264 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

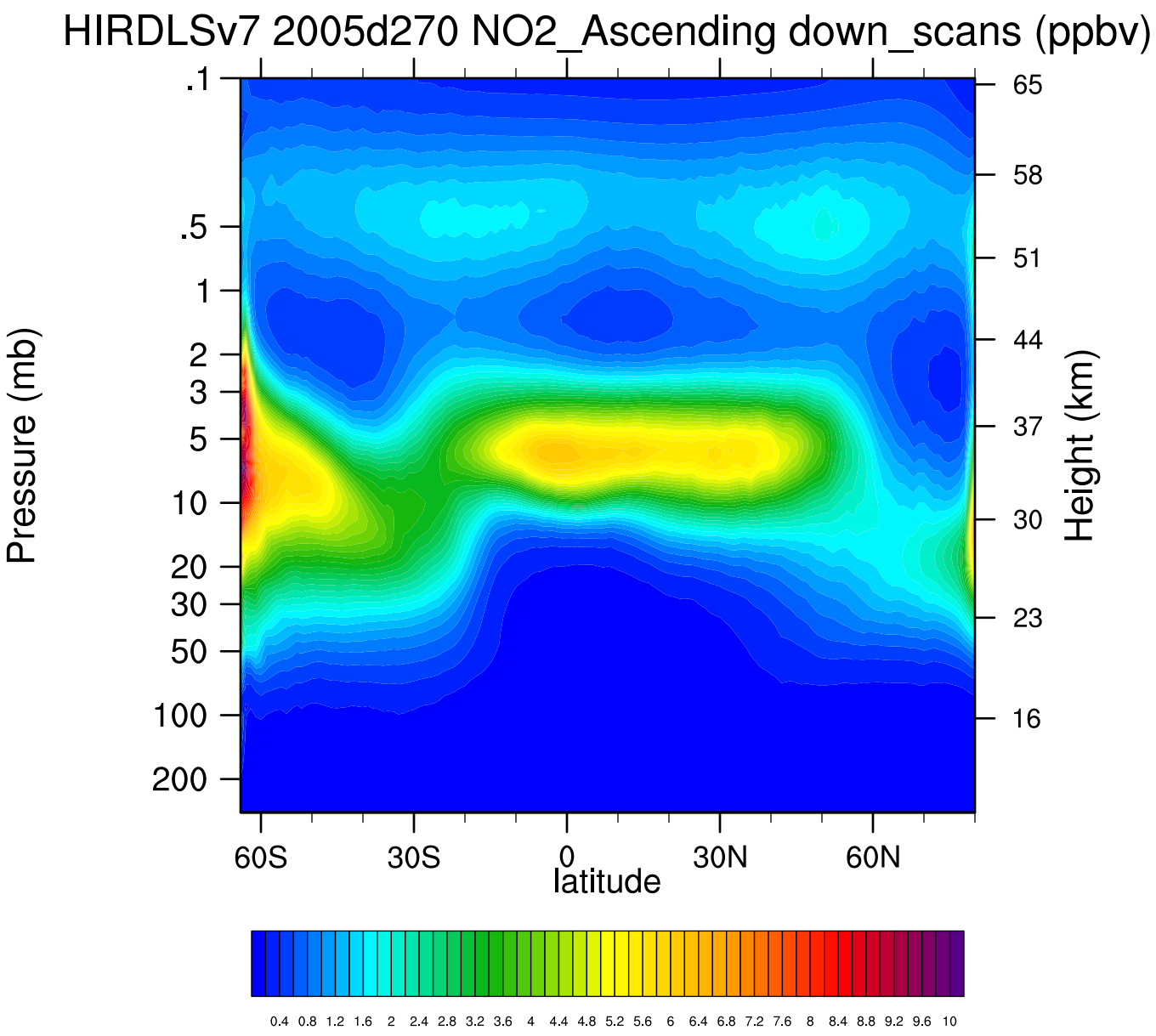

HIRDLSv7 2005d265 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

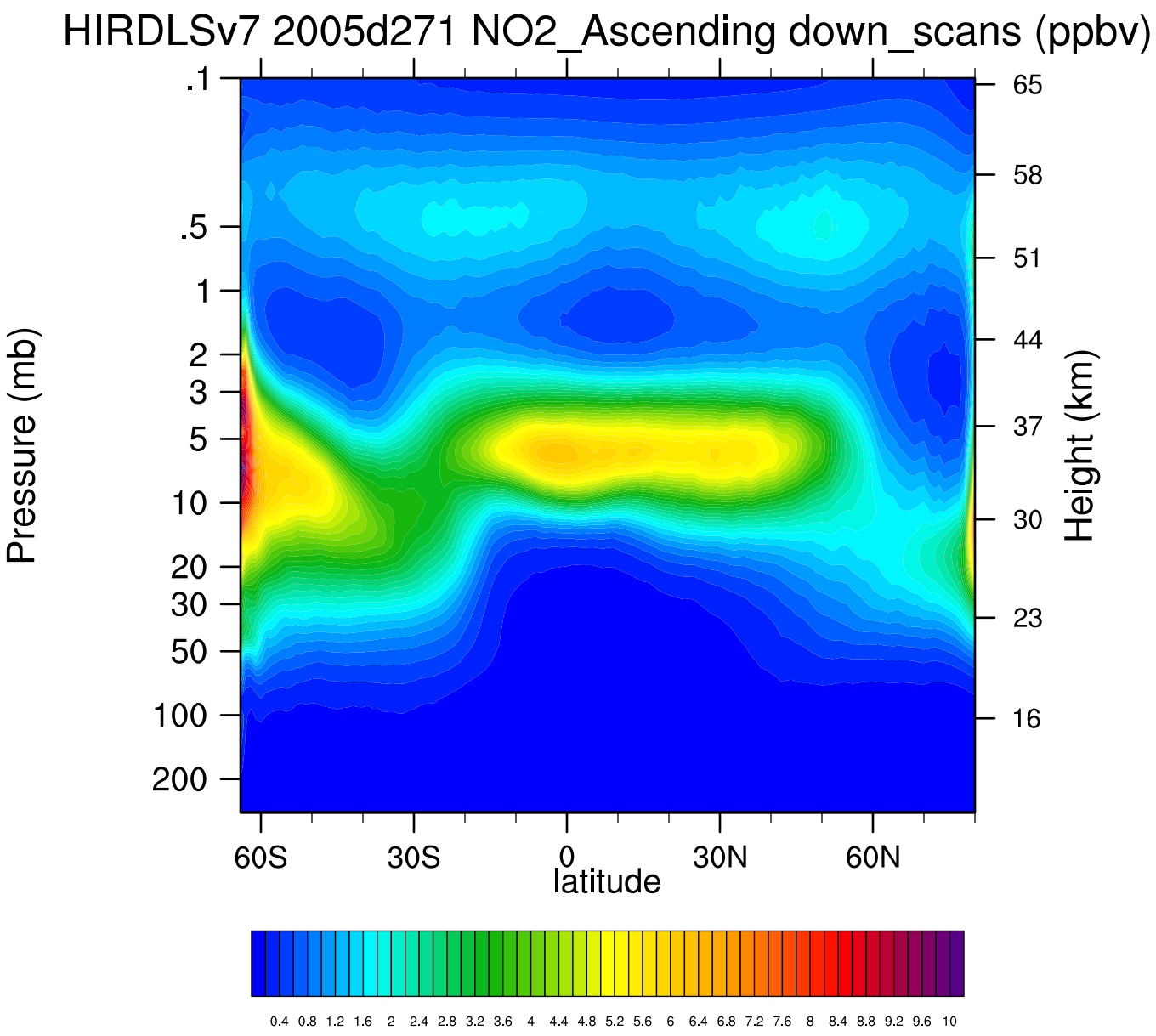

HIRDLSv7 2005d266 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

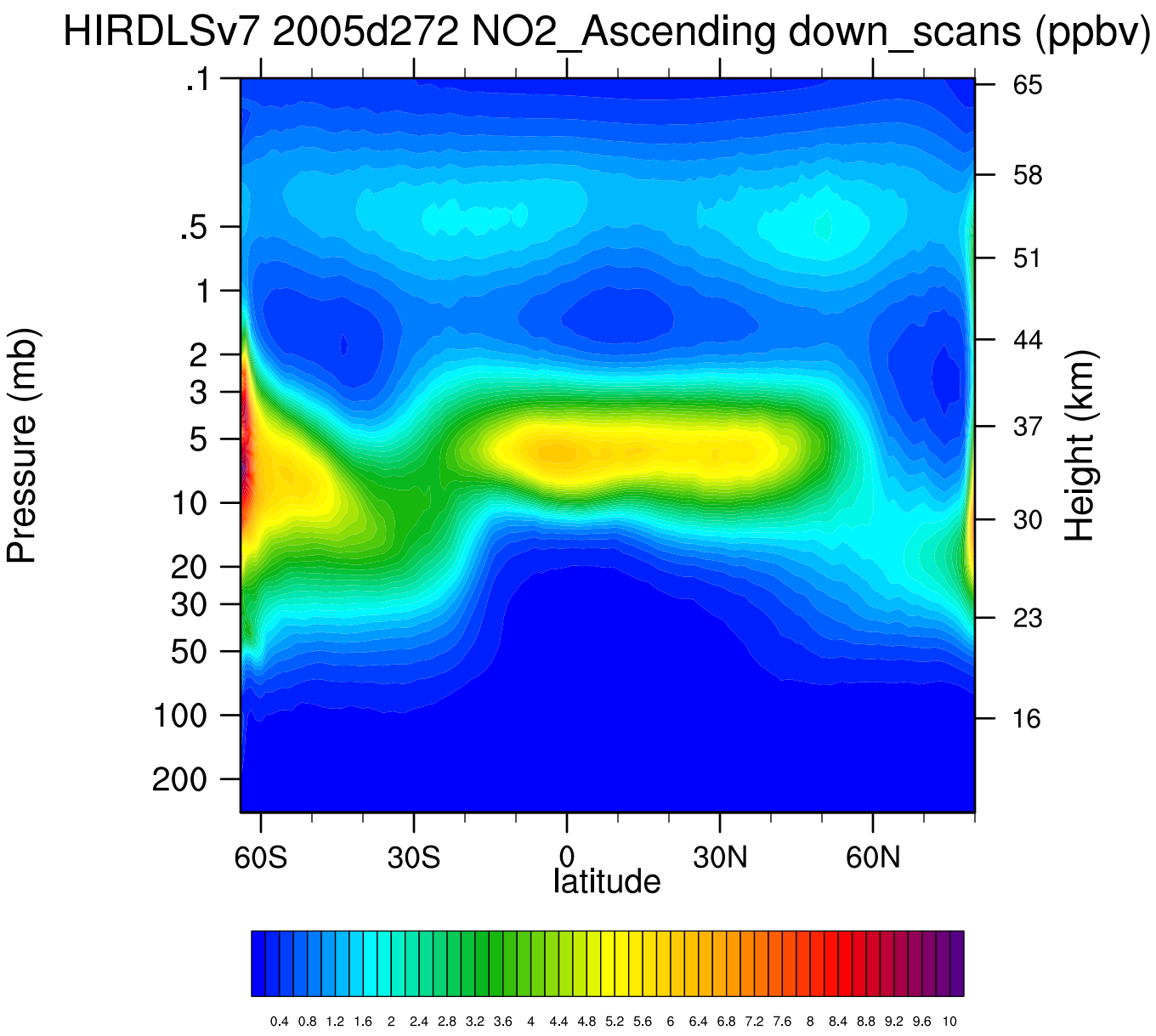

HIRDLSv7 2005d267 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

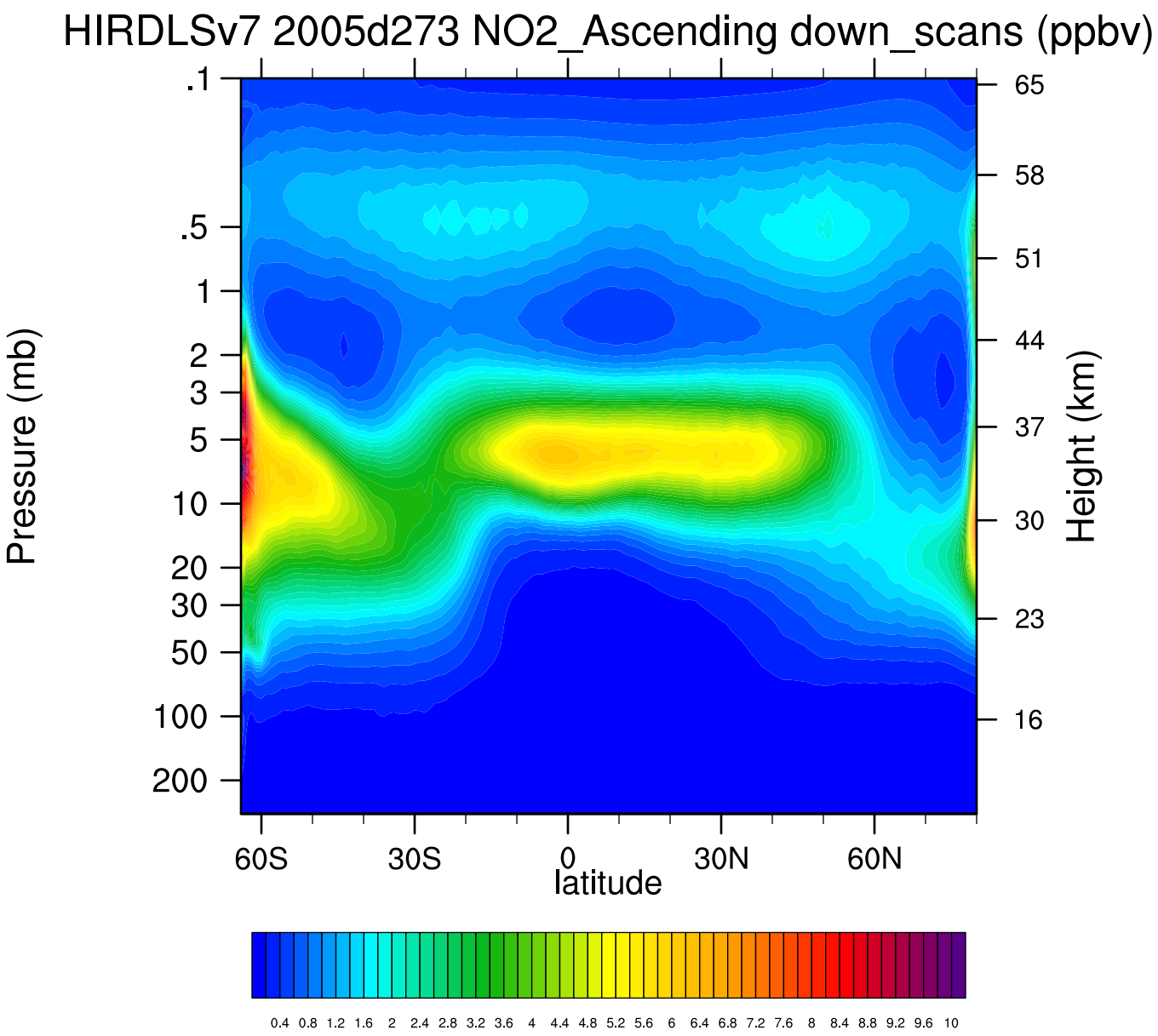

HIRDLSv7 2005d268 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

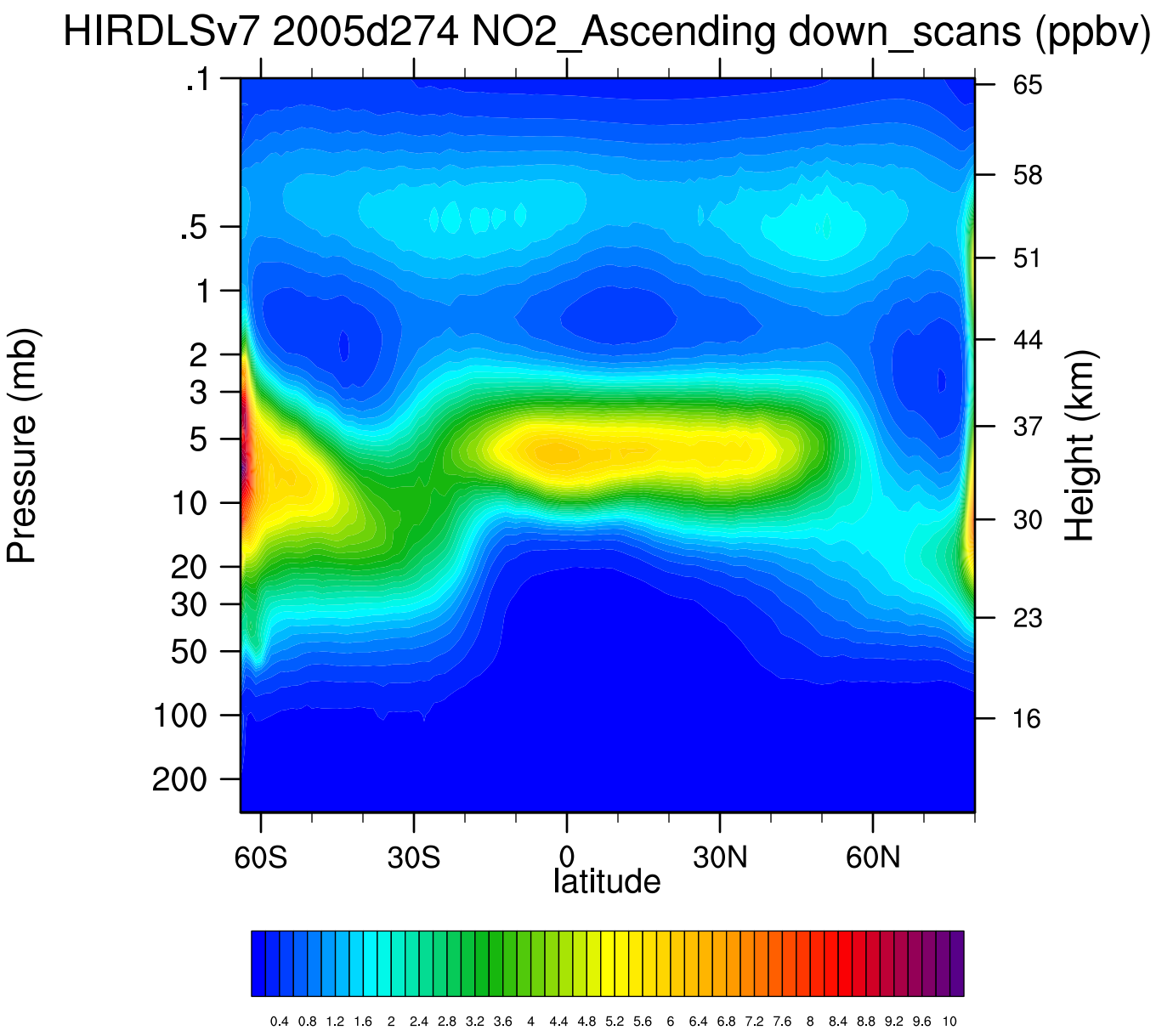

HIRDLSv7 2005d269 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

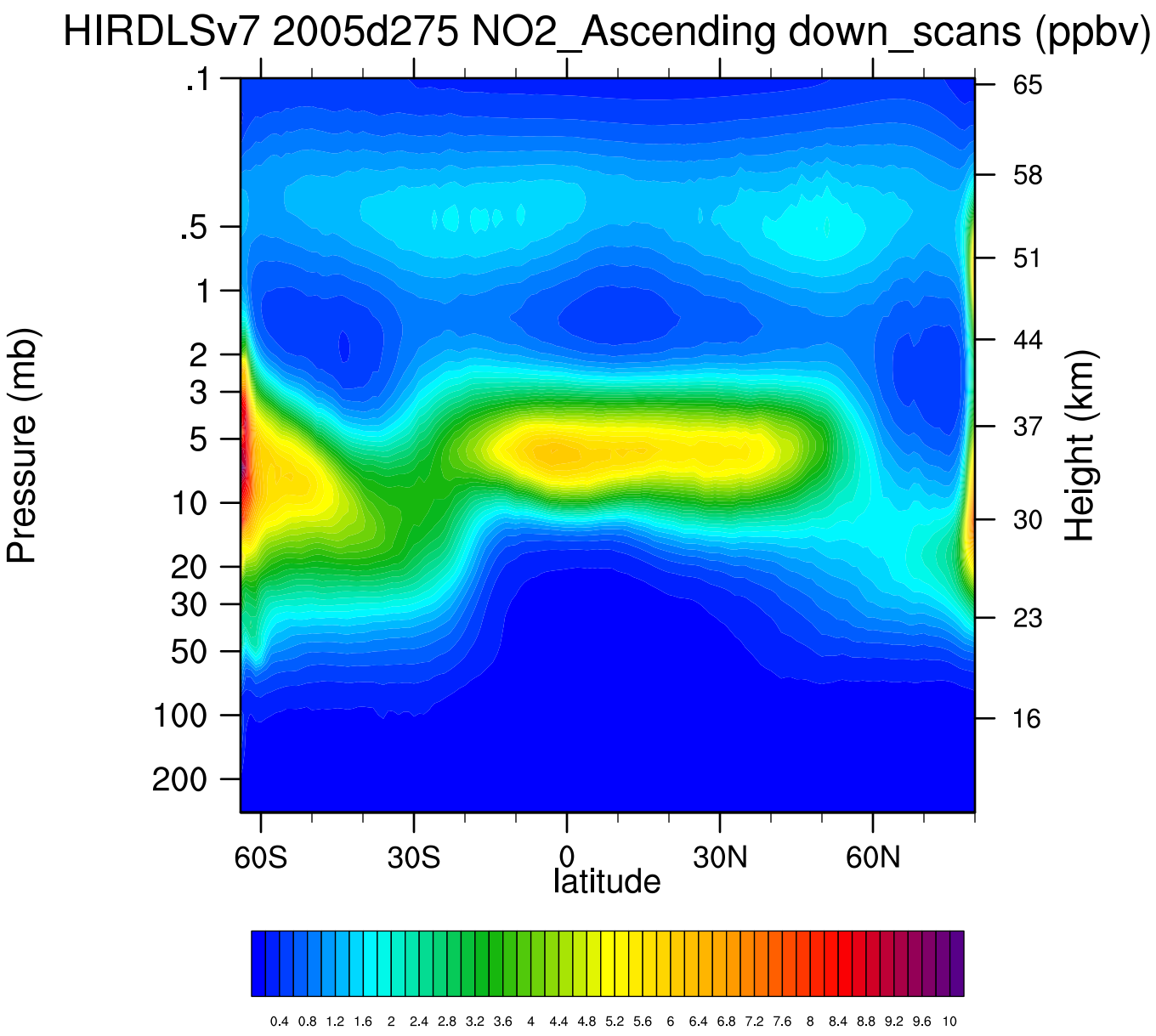

HIRDLSv7 2005d270 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

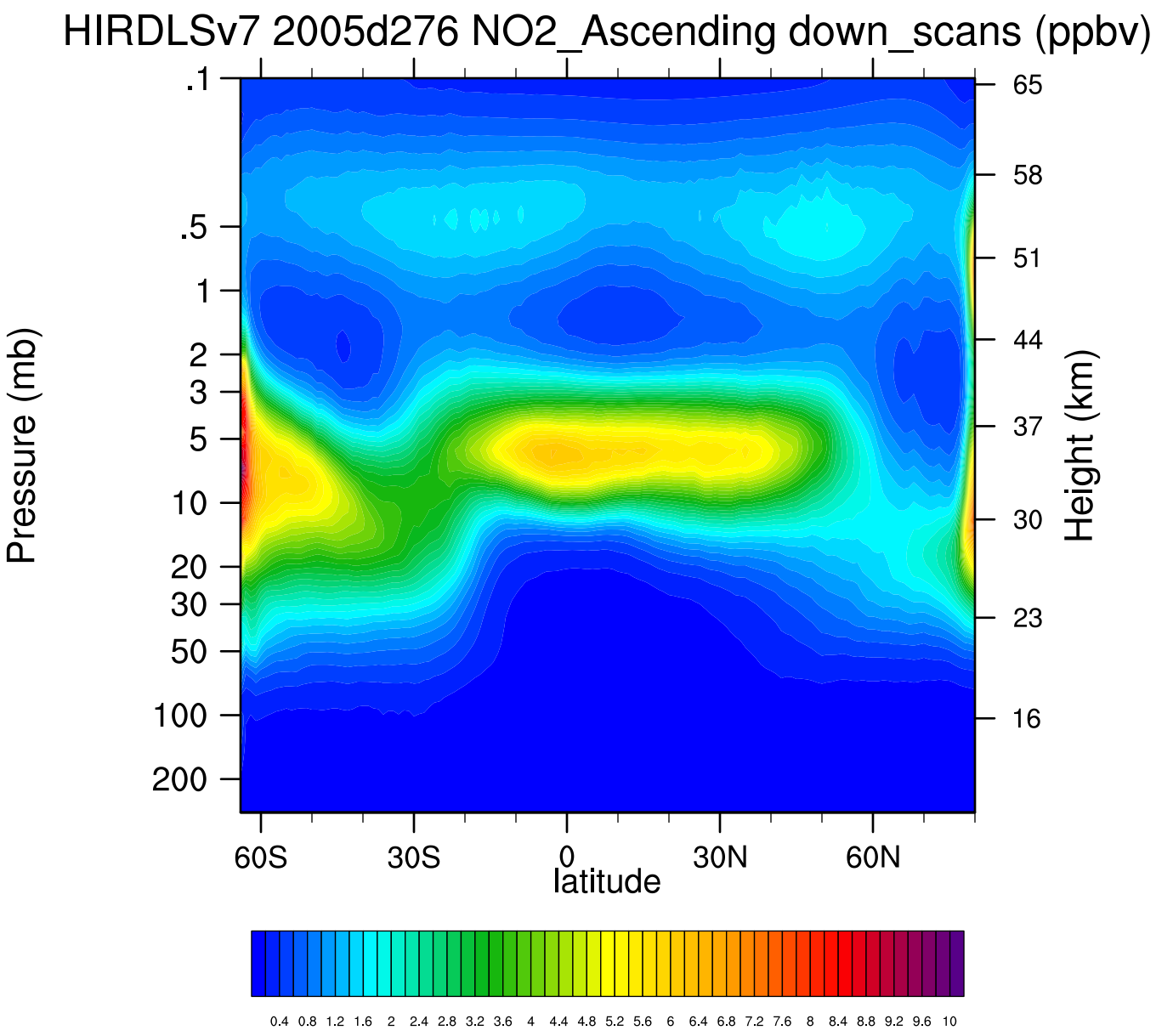

HIRDLSv7 2005d271 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

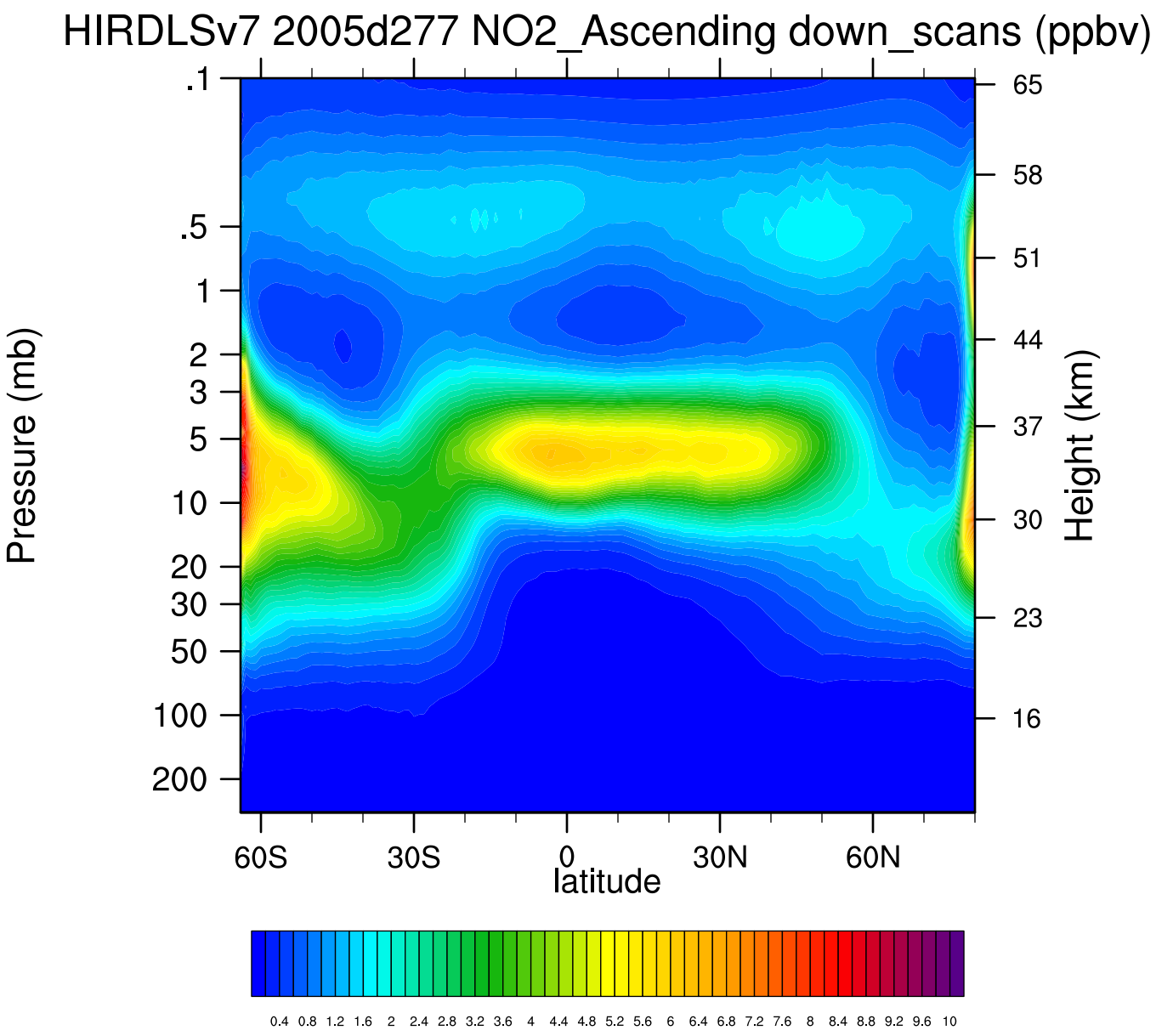

HIRDLSv7 2005d272 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

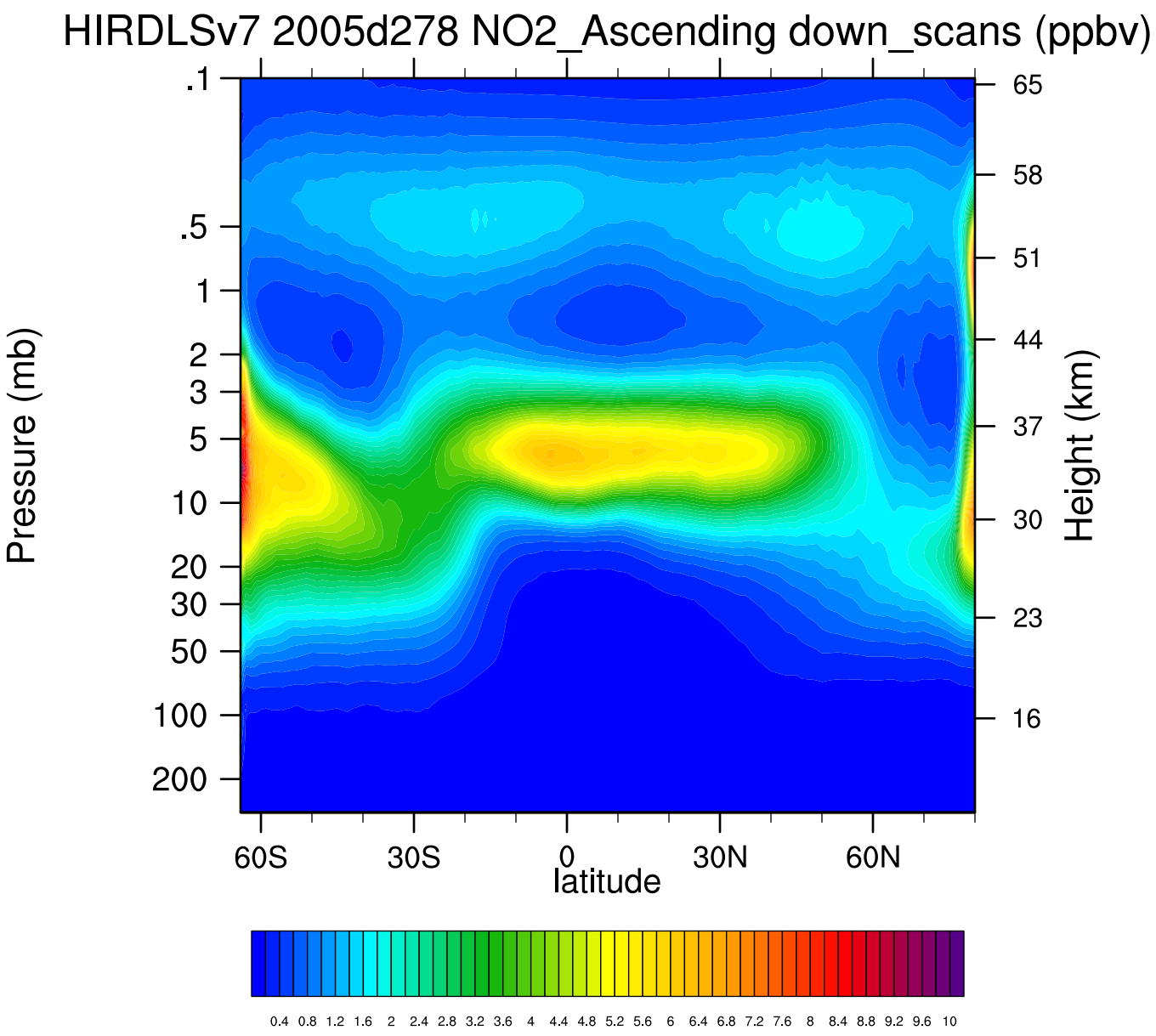

HIRDLSv7 2005d273 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

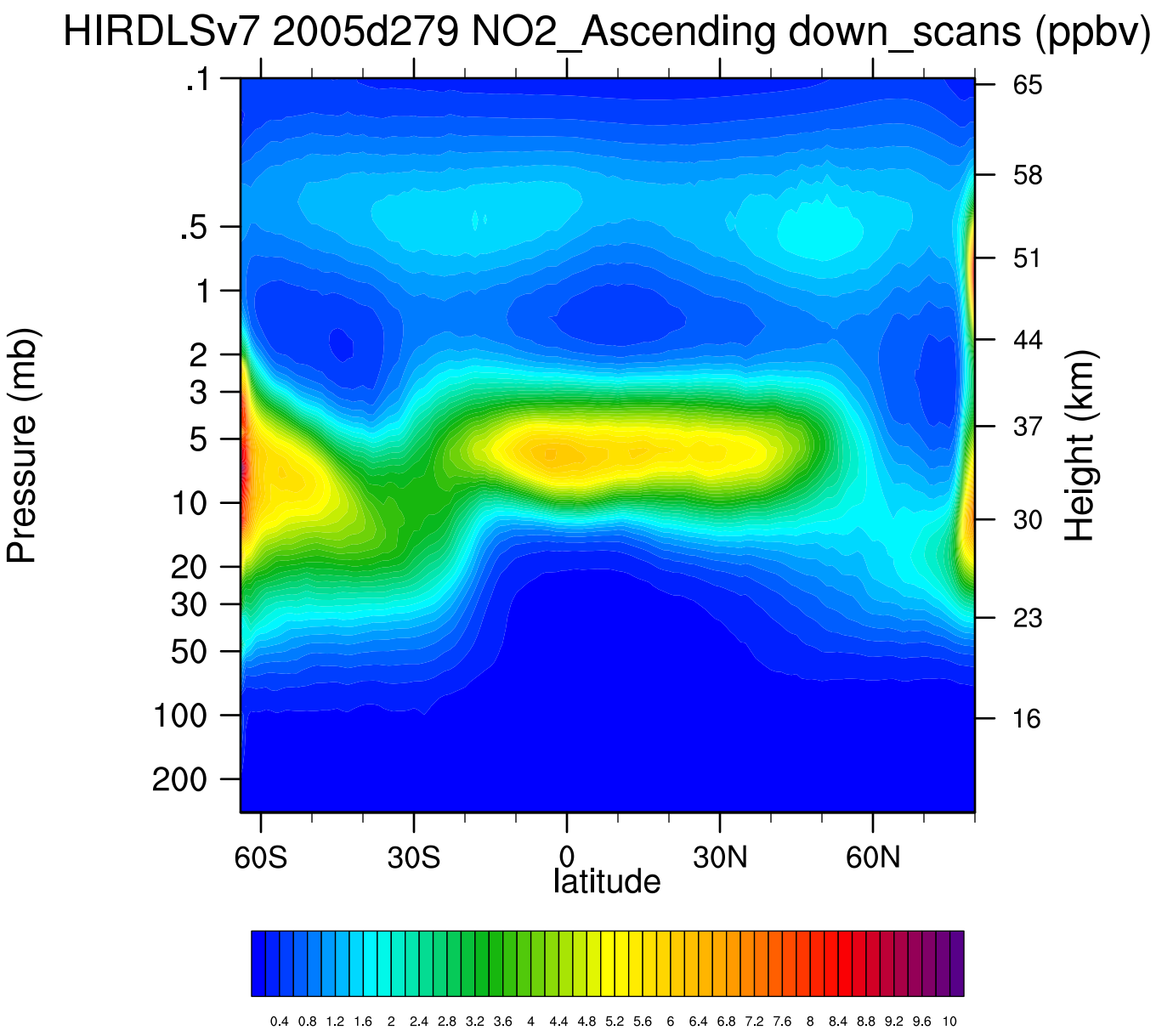

HIRDLSv7 2005d274 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

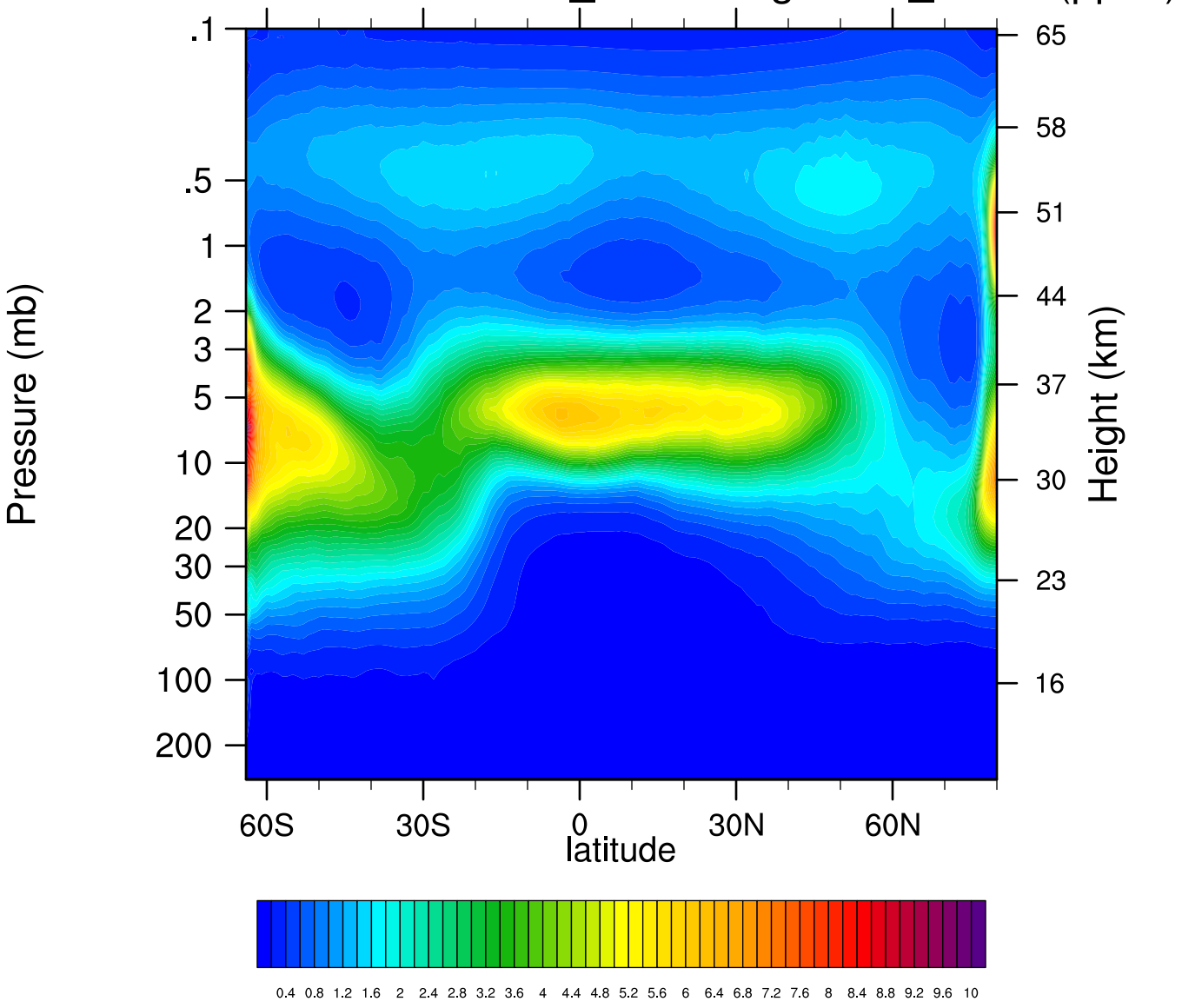

HIRDLSv7 2005d275 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

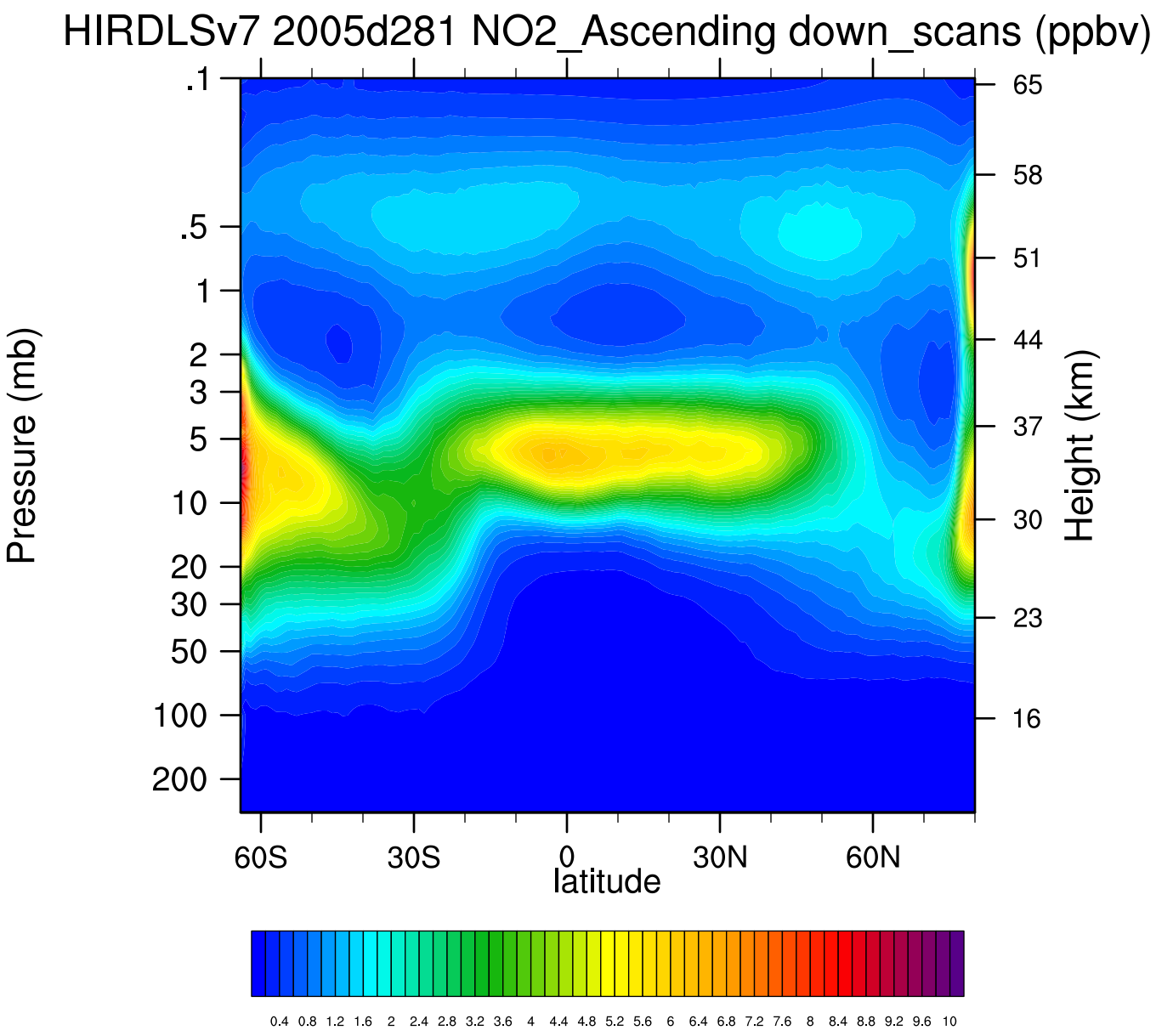

HIRDLSv7 2005d276 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

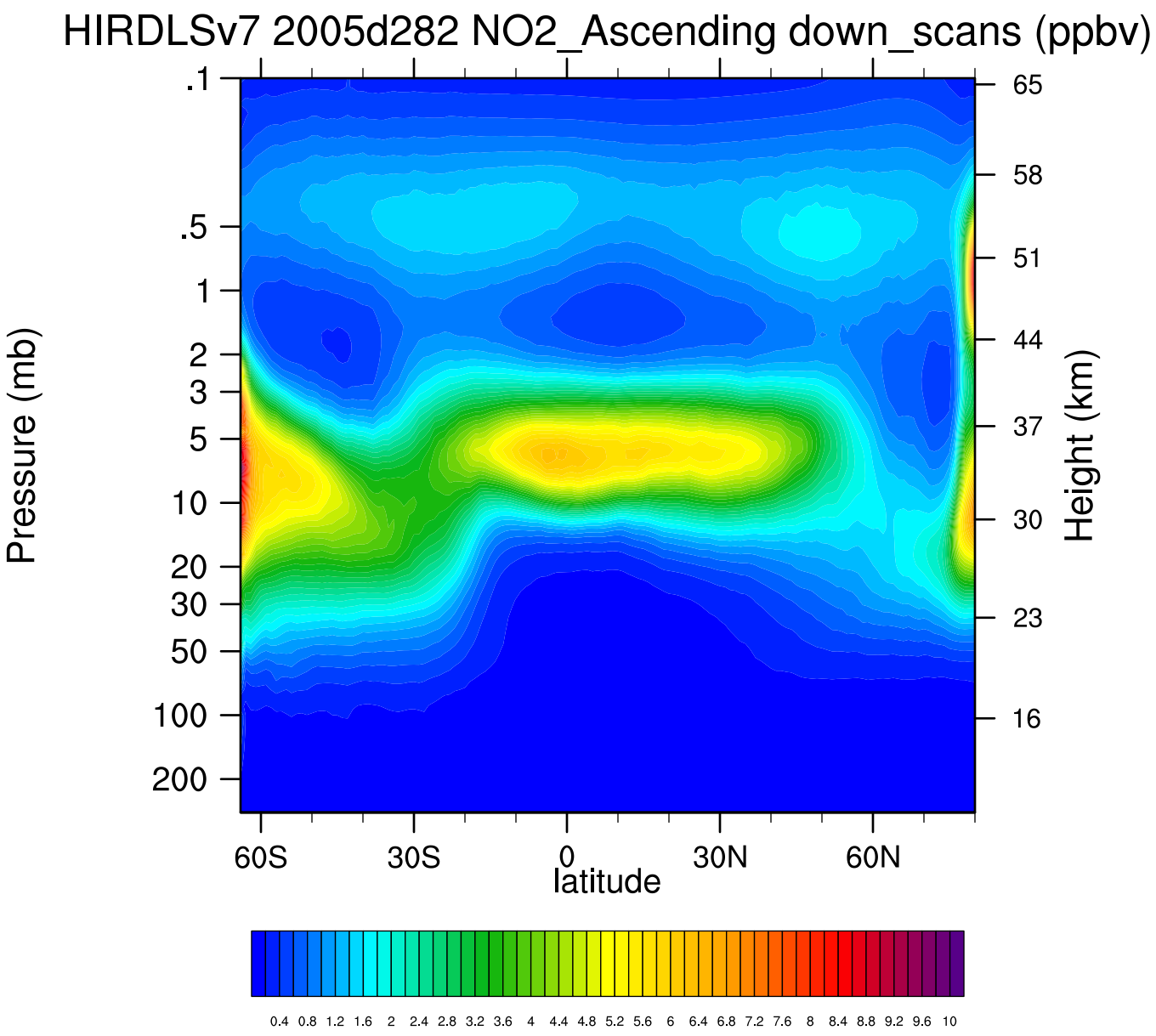

HIRDLSv7 2005d277 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

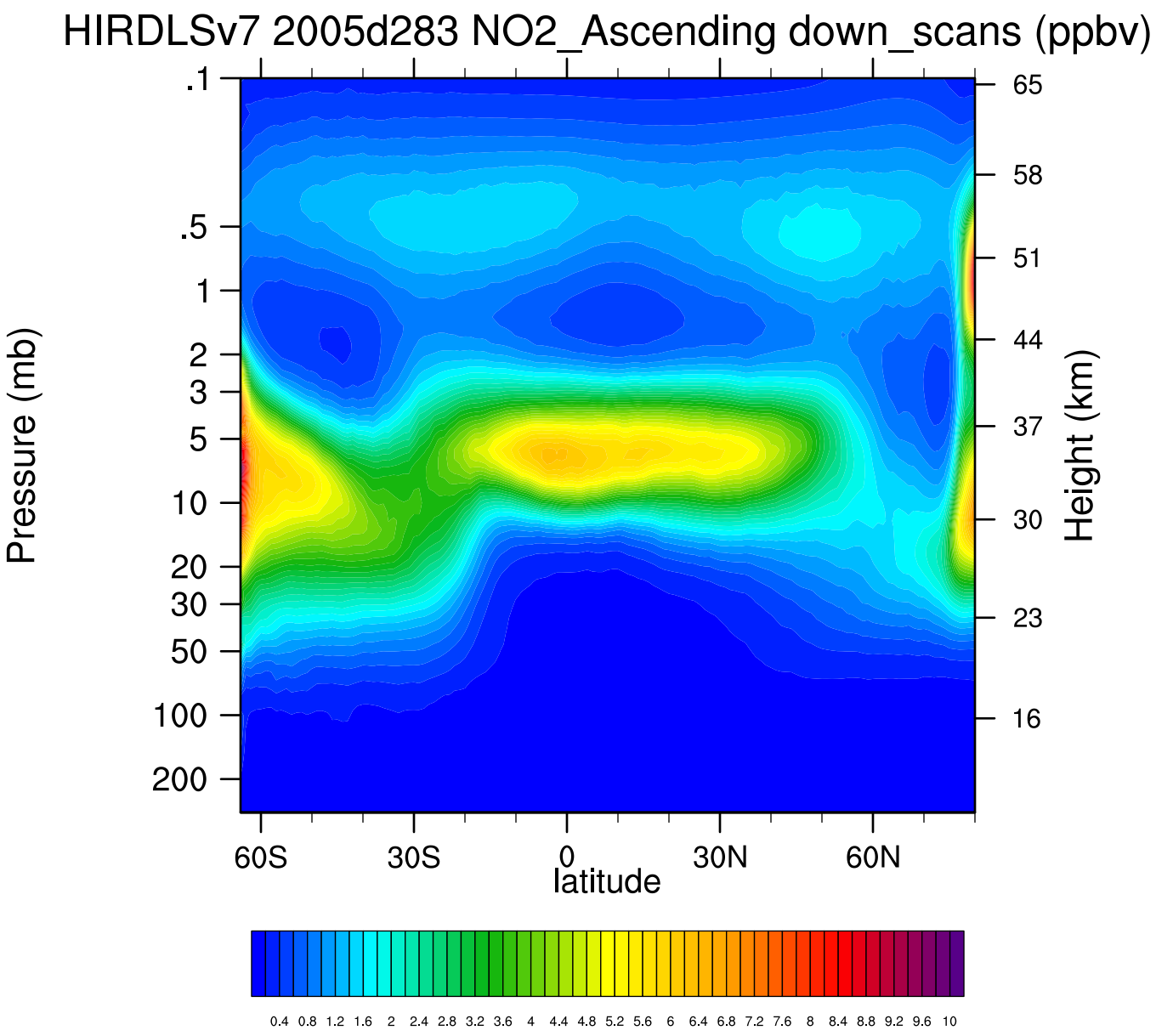

HIRDLSv7 2005d278 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

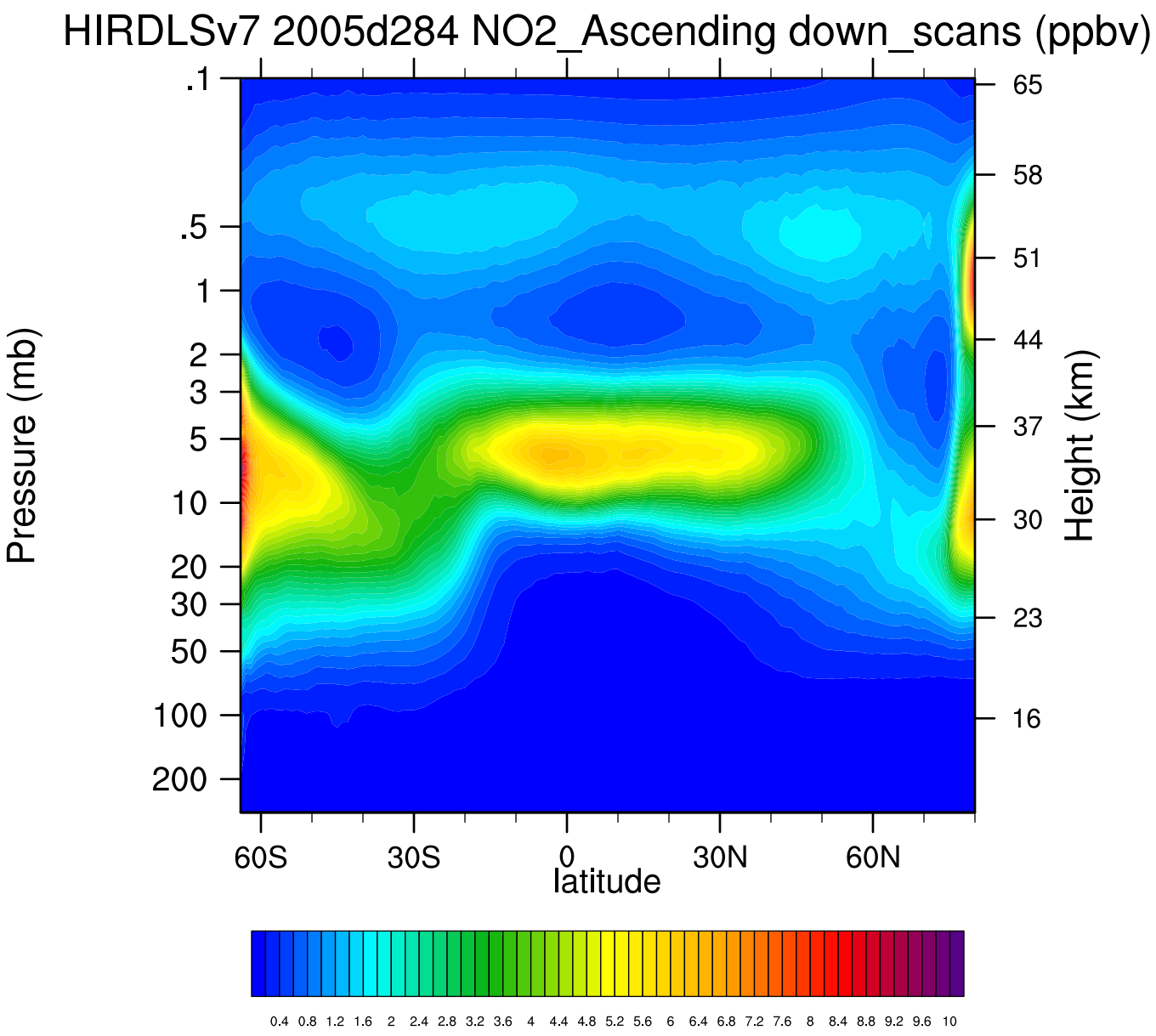

HIRDLSv7 2005d279 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

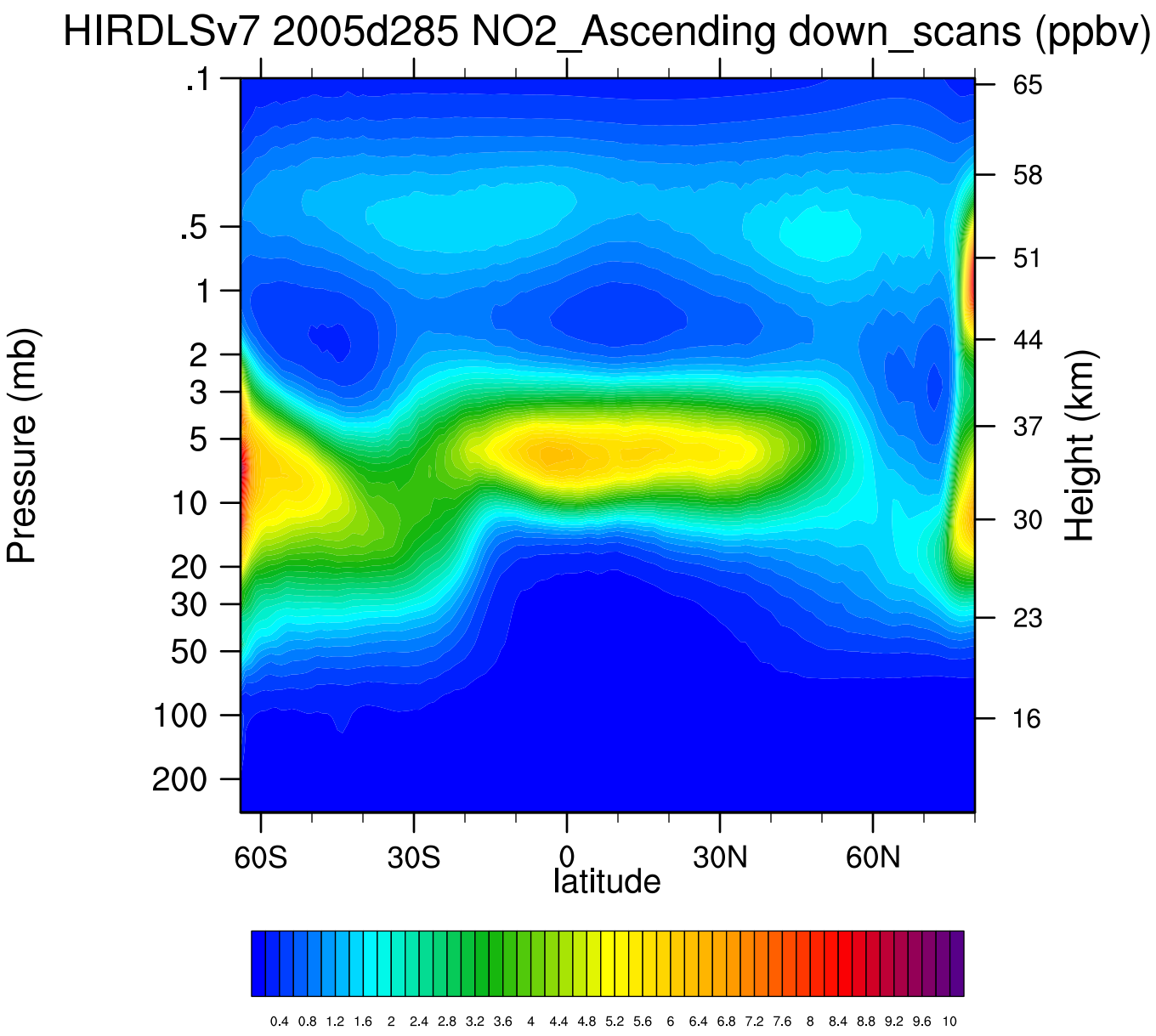

HIRDLSv7 2005d280 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

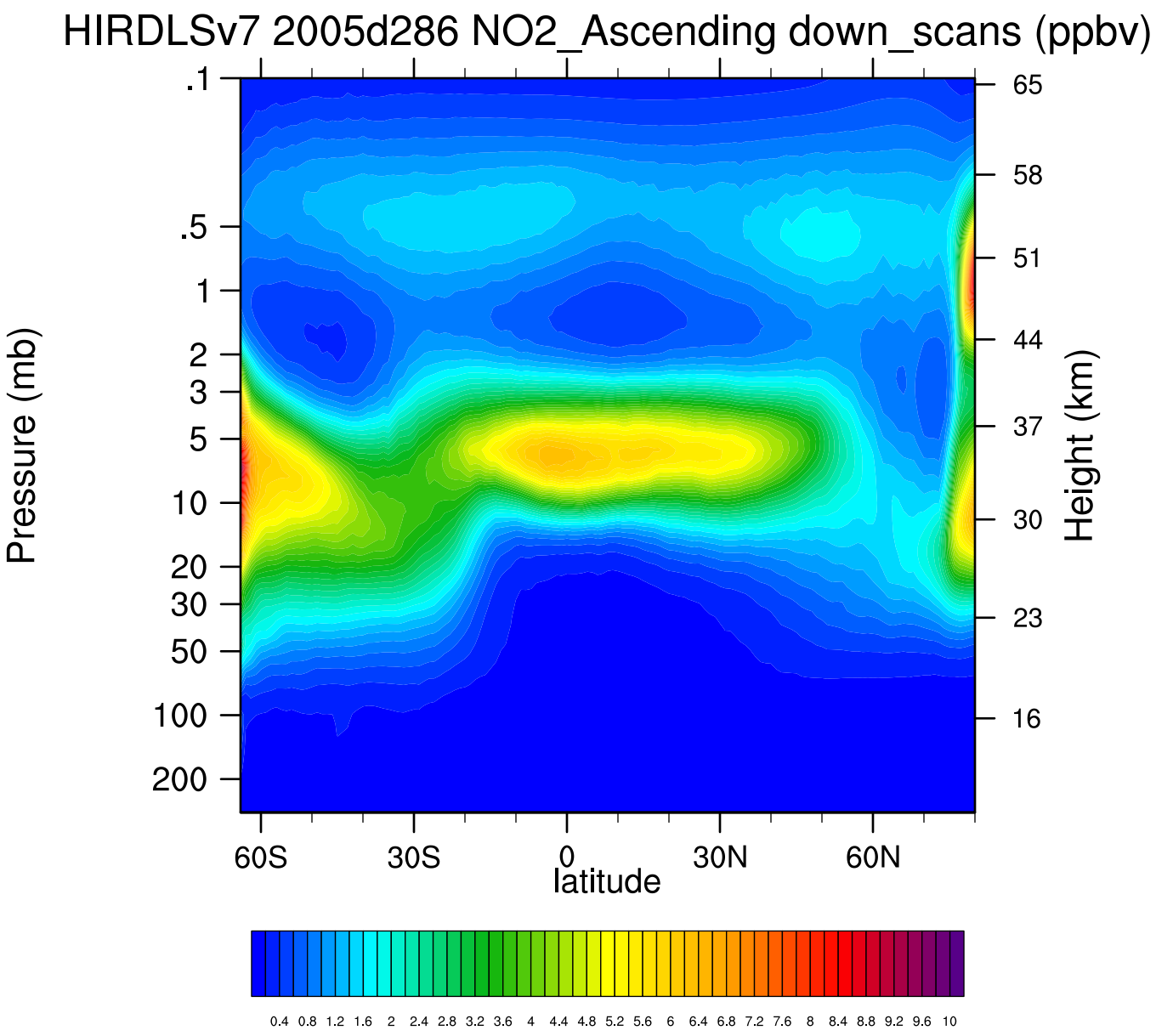

HIRDLSv7 2005d281 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

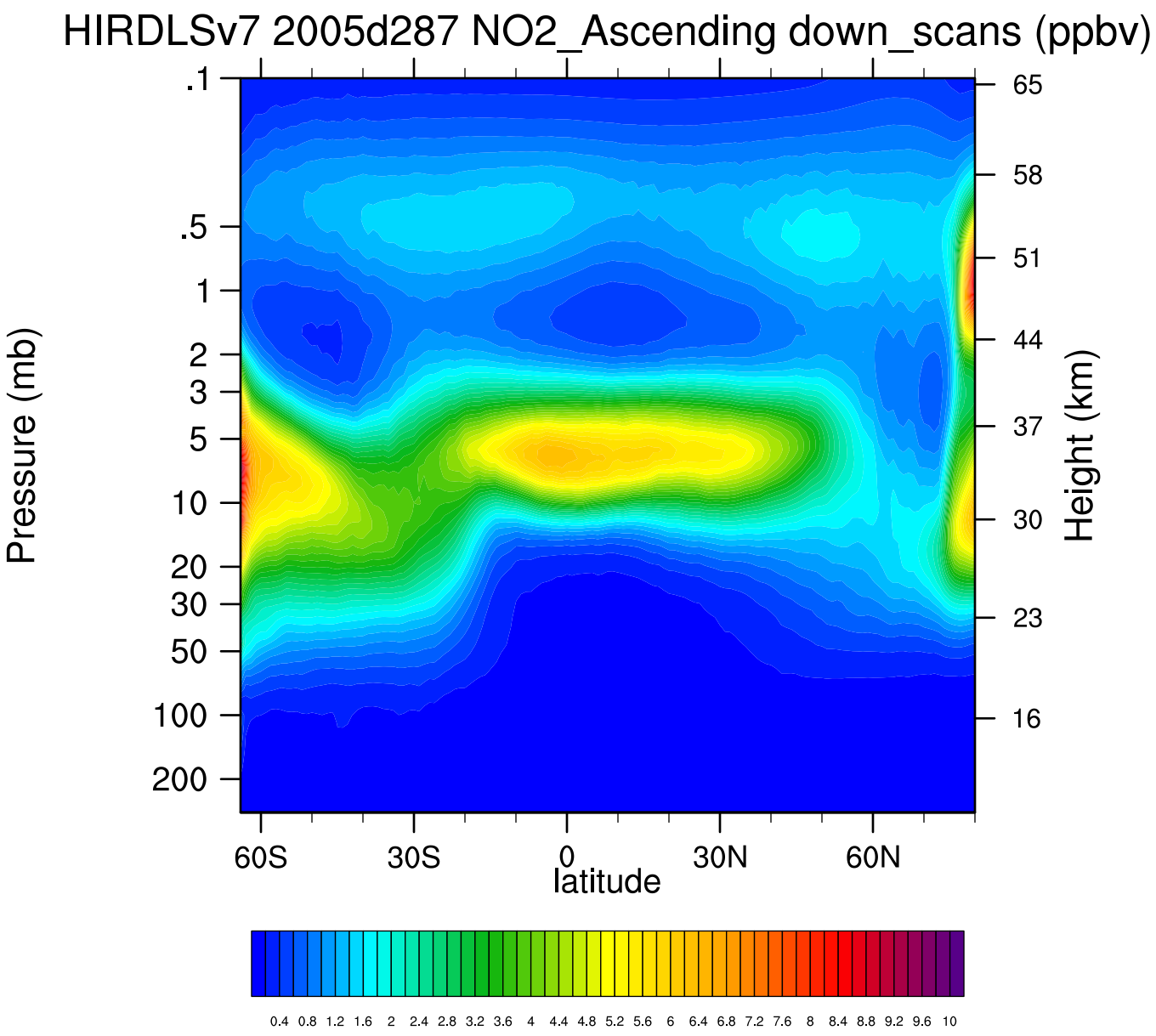

HIRDLSv7 2005d282 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

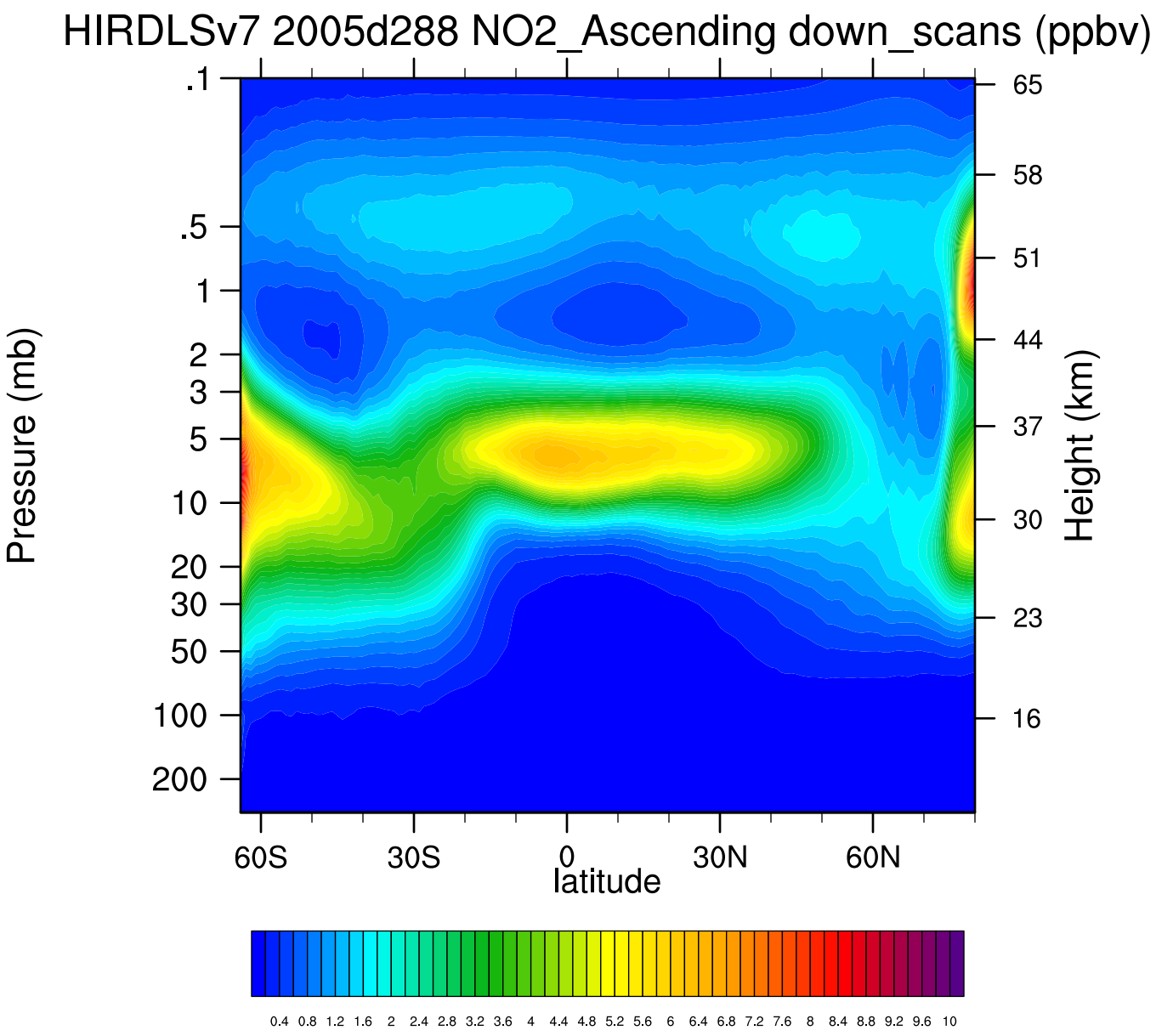

HIRDLSv7 2005d283 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

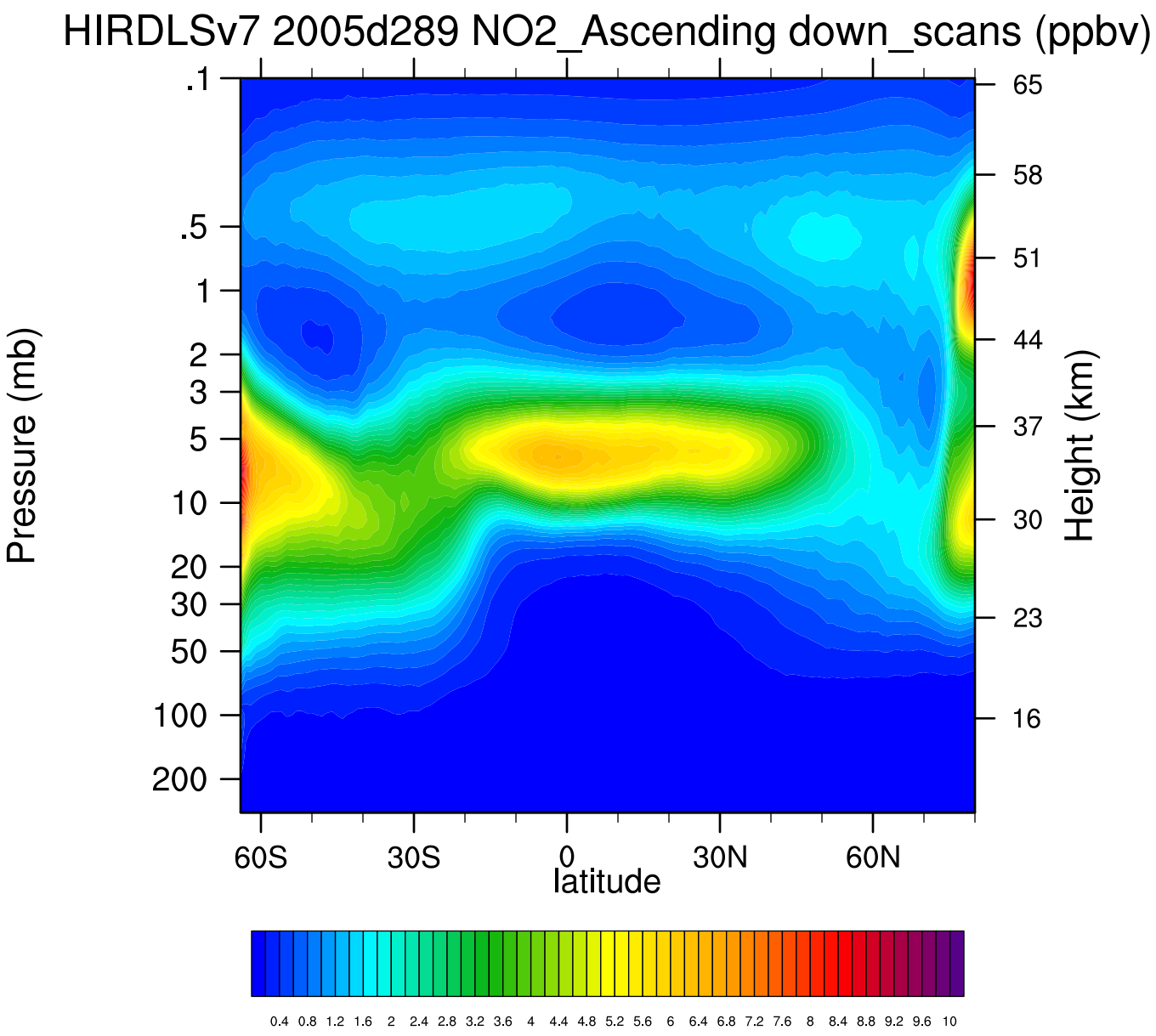

HIRDLSv7 2005d284 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

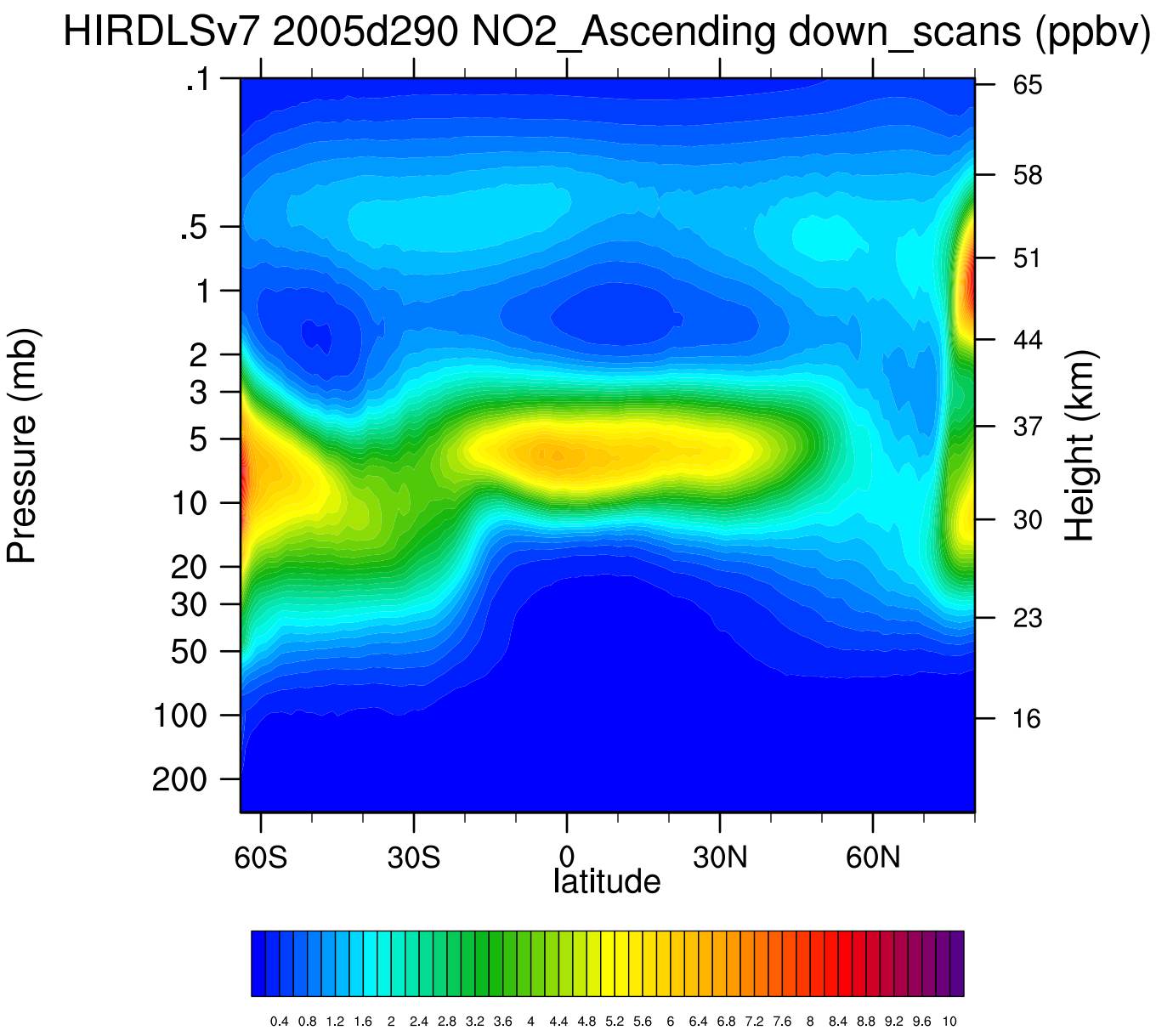

HIRDLSv7 2005d285 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

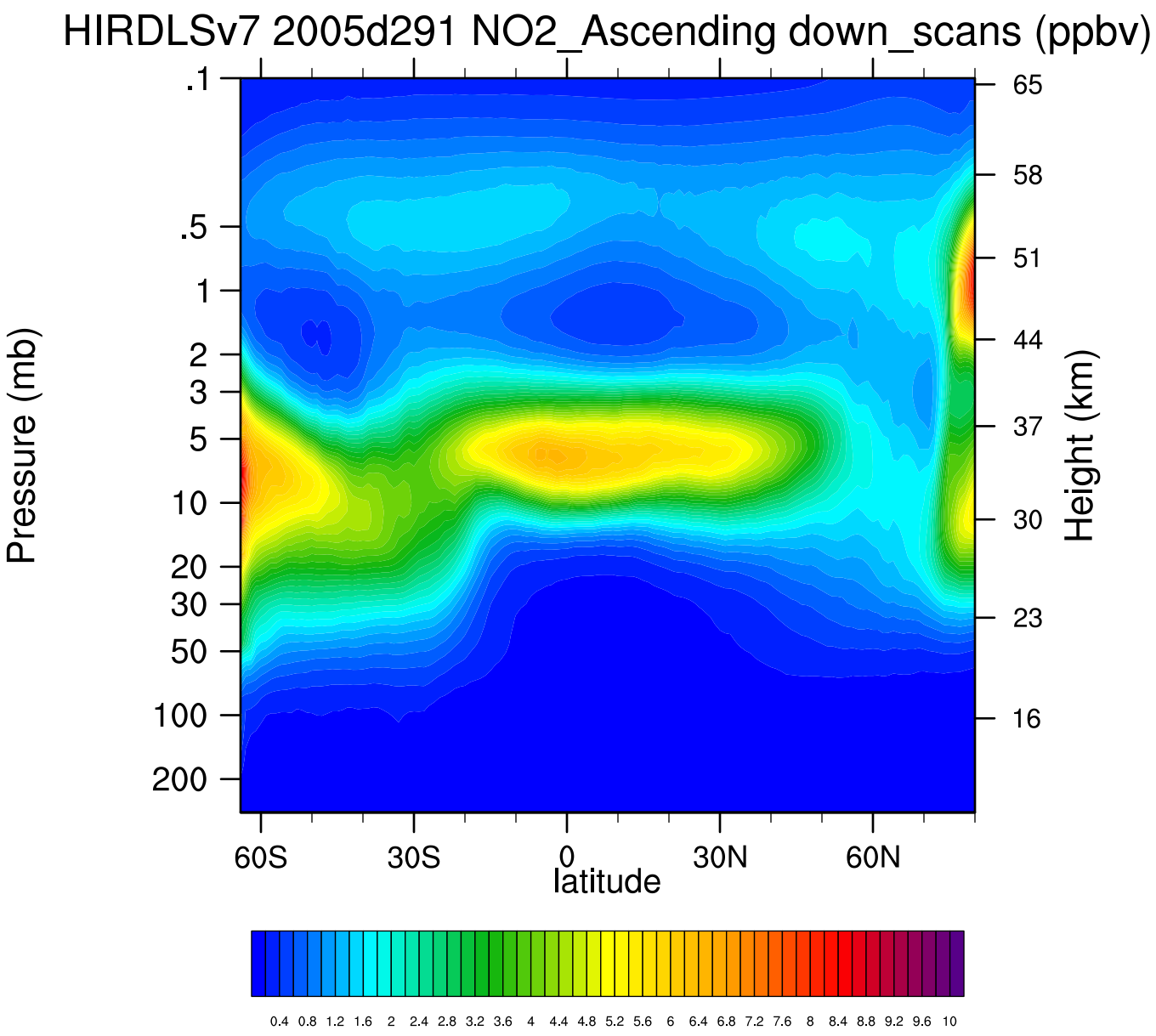

HIRDLSv7 2005d286 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

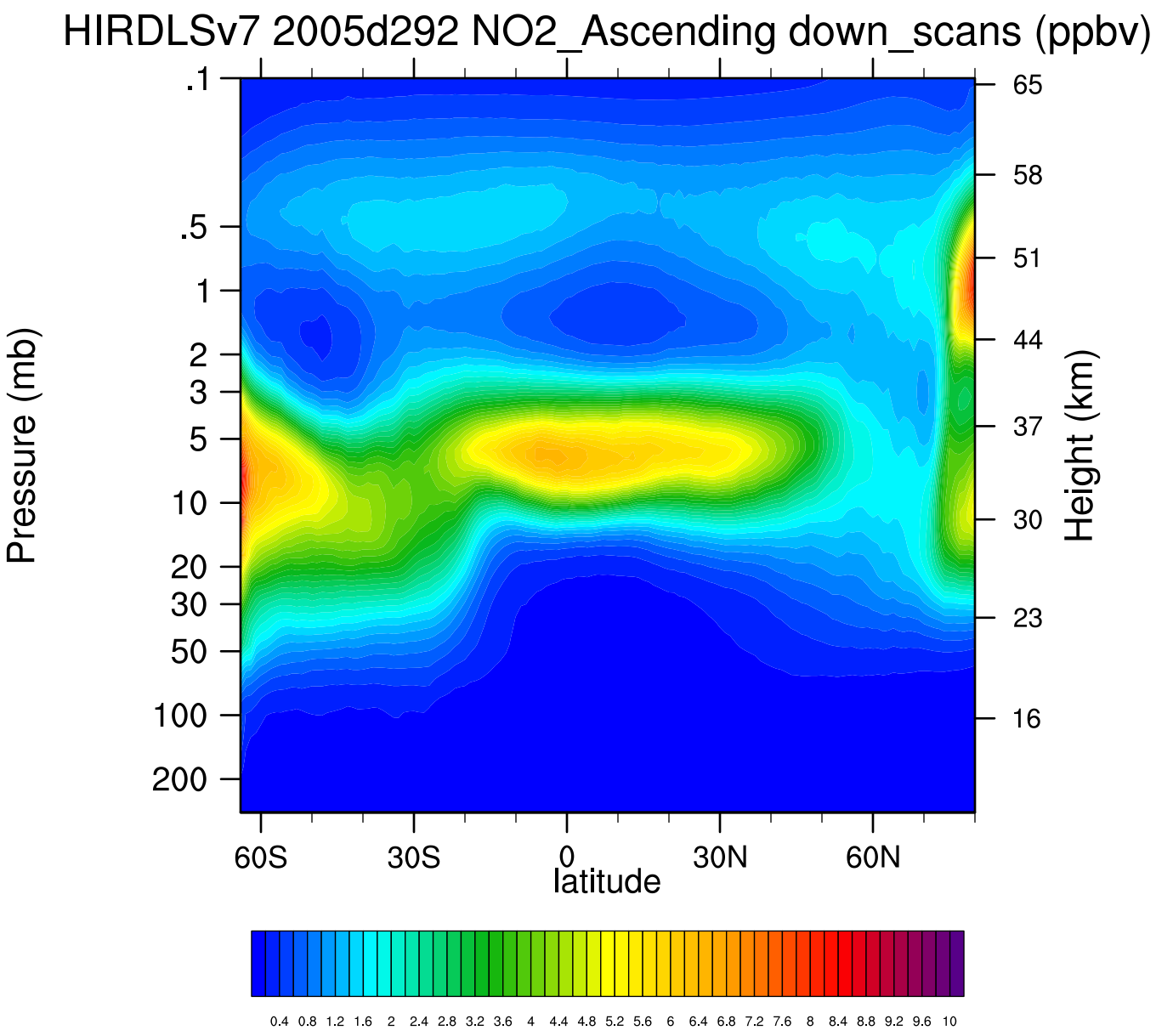

HIRDLSv7 2005d287 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

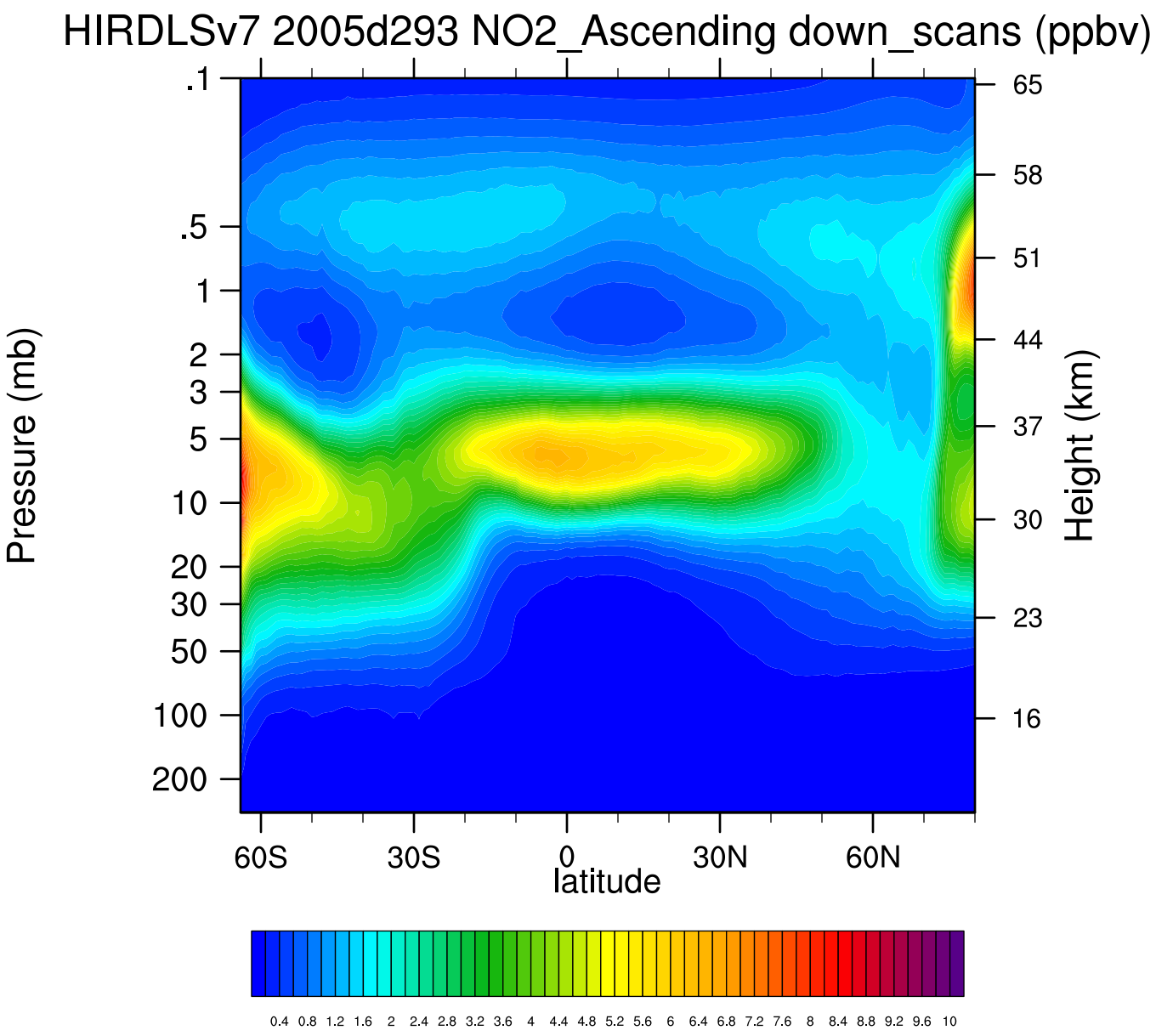

HIRDLSv7 2005d288 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

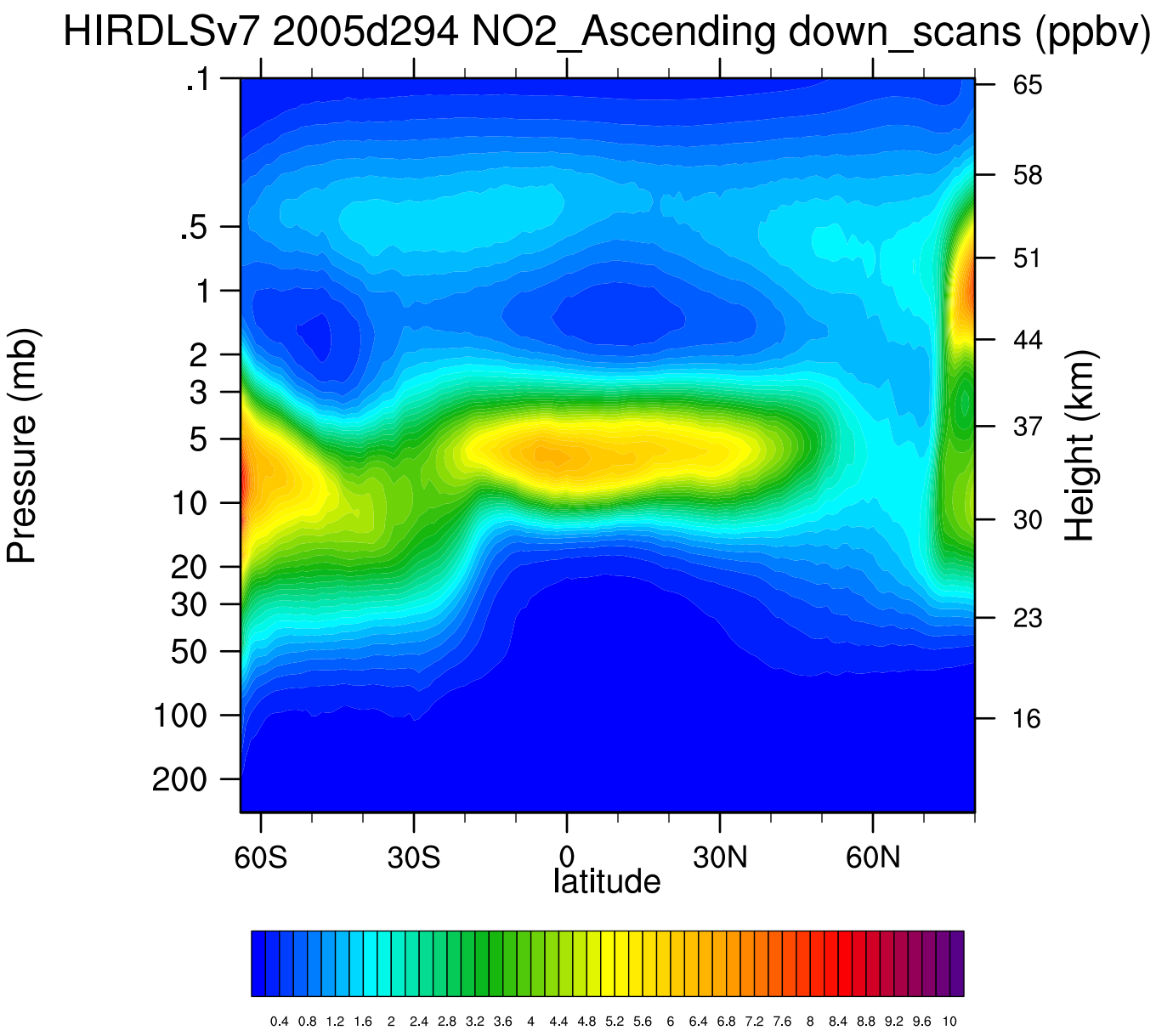

HIRDLSv7 2005d289 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

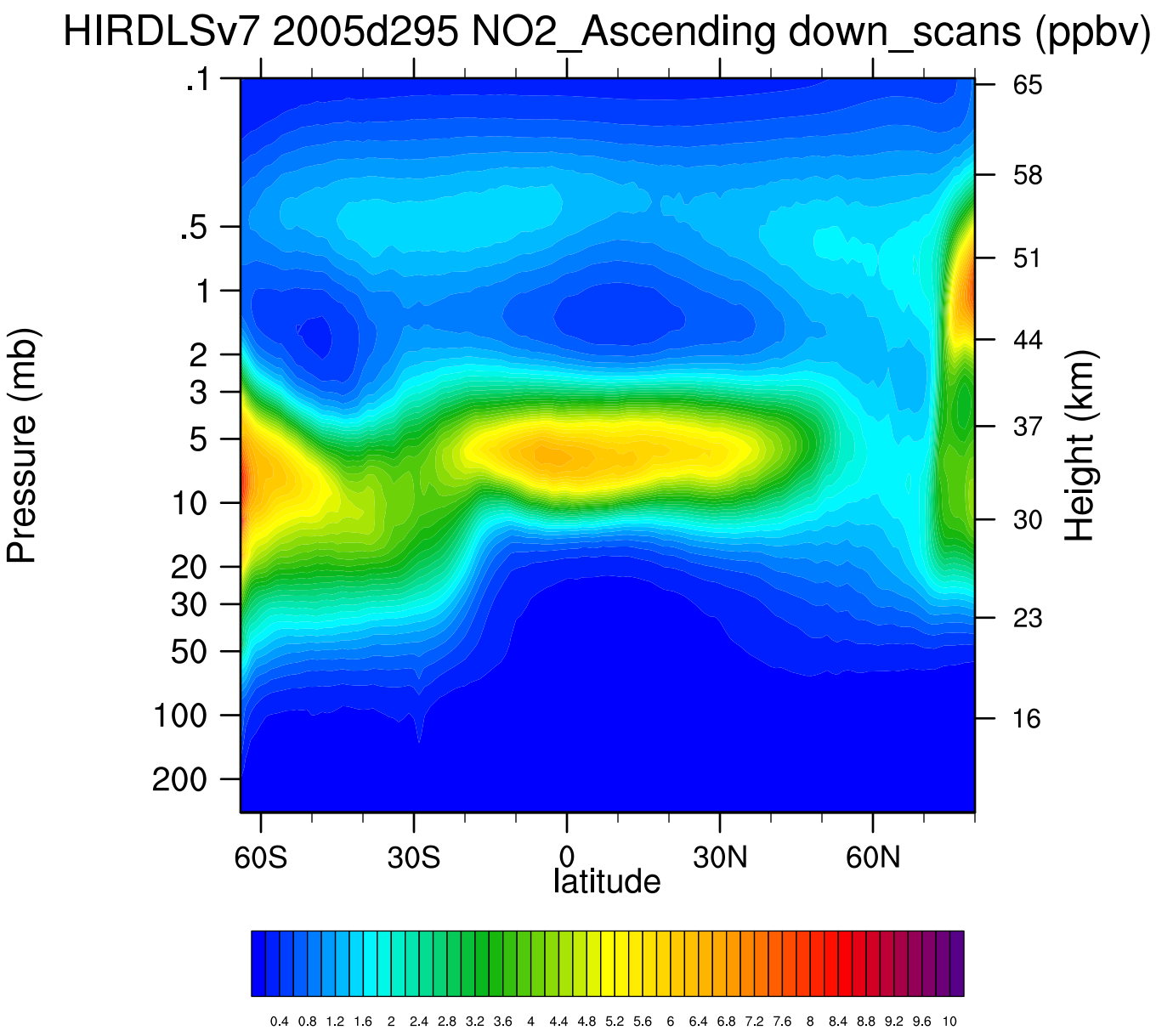

HIRDLSv7 2005d290 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

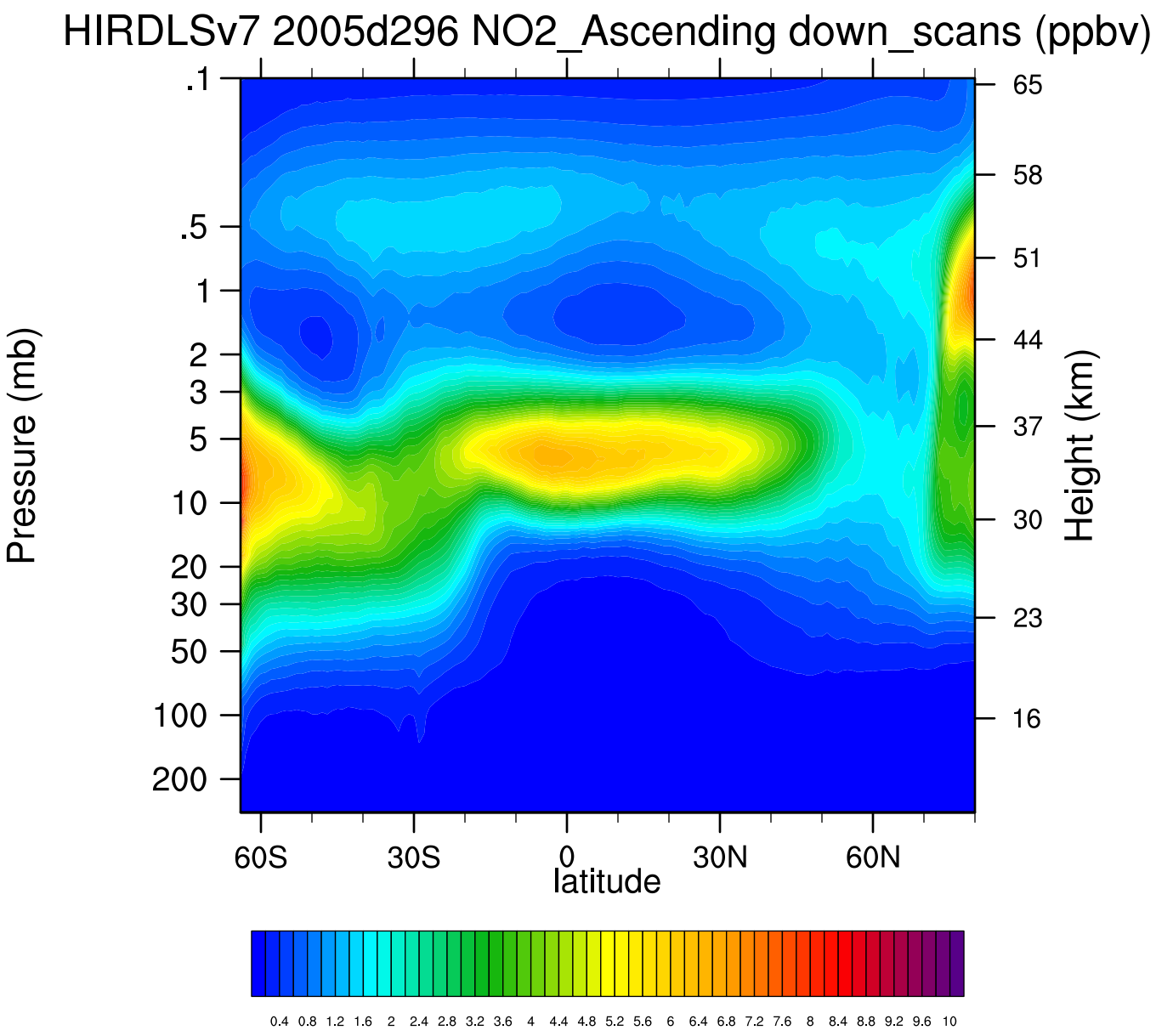

HIRDLSv7 2005d291 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

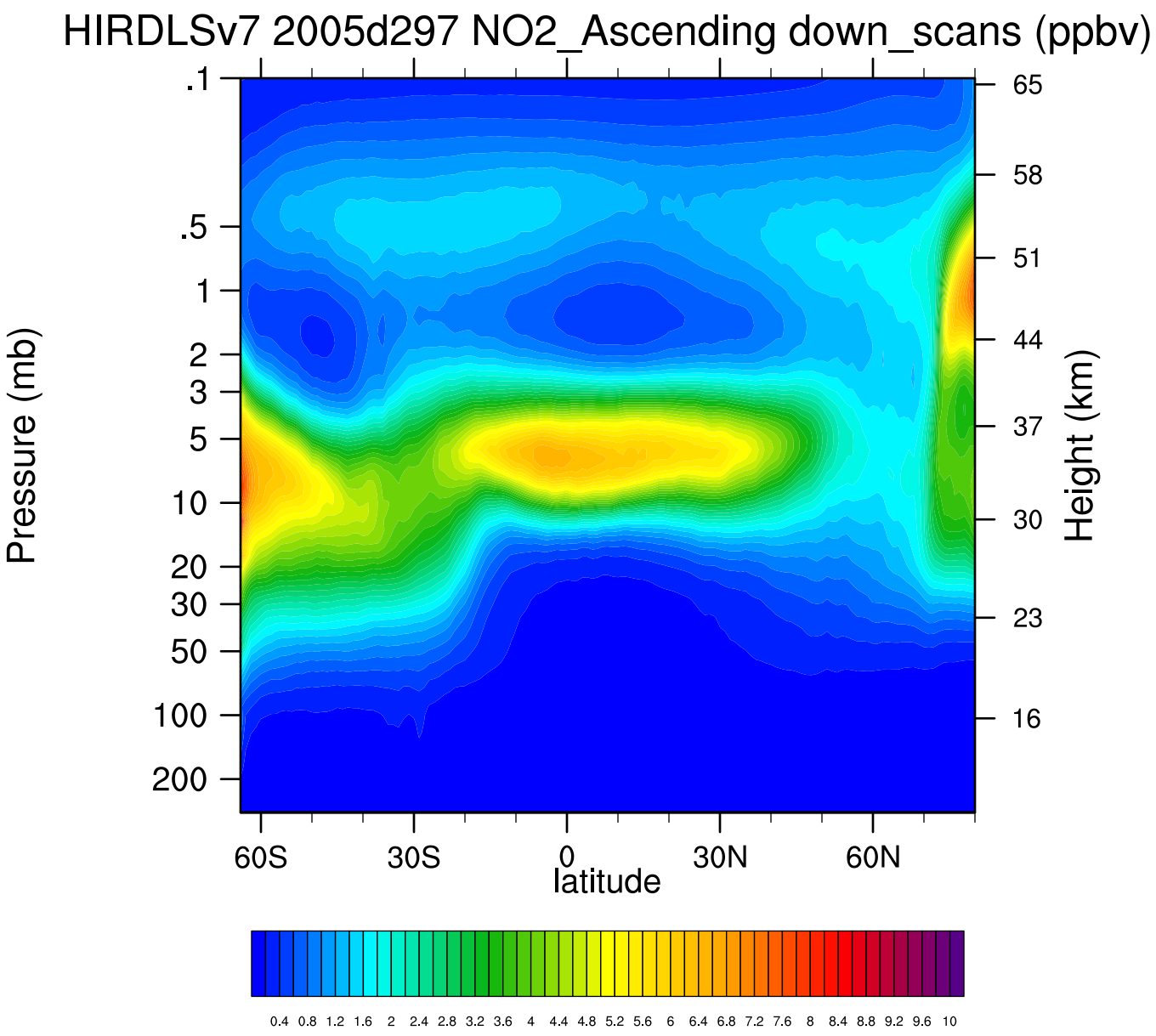

HIRDLSv7 2005d292 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

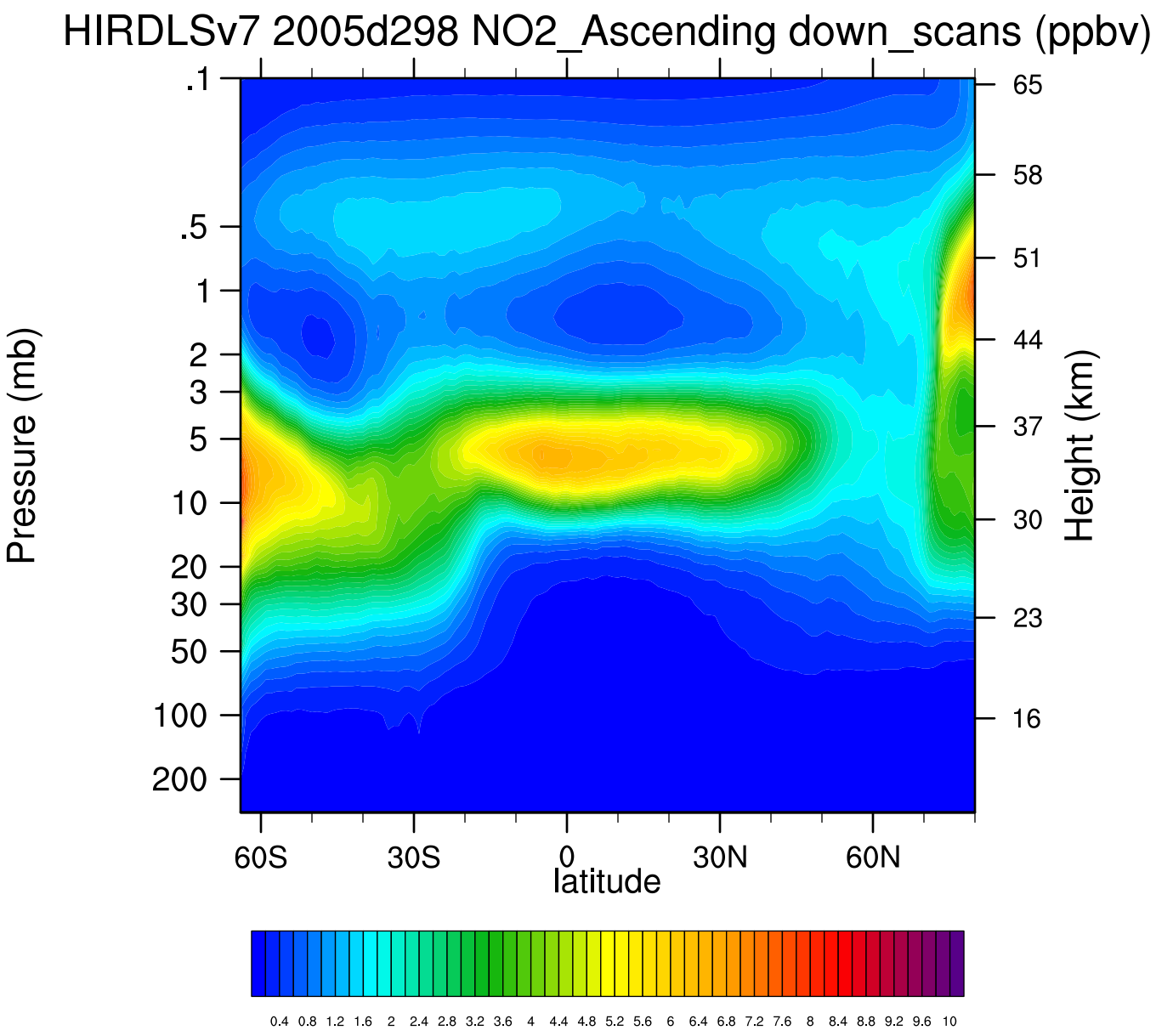

HIRDLSv7 2005d293 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

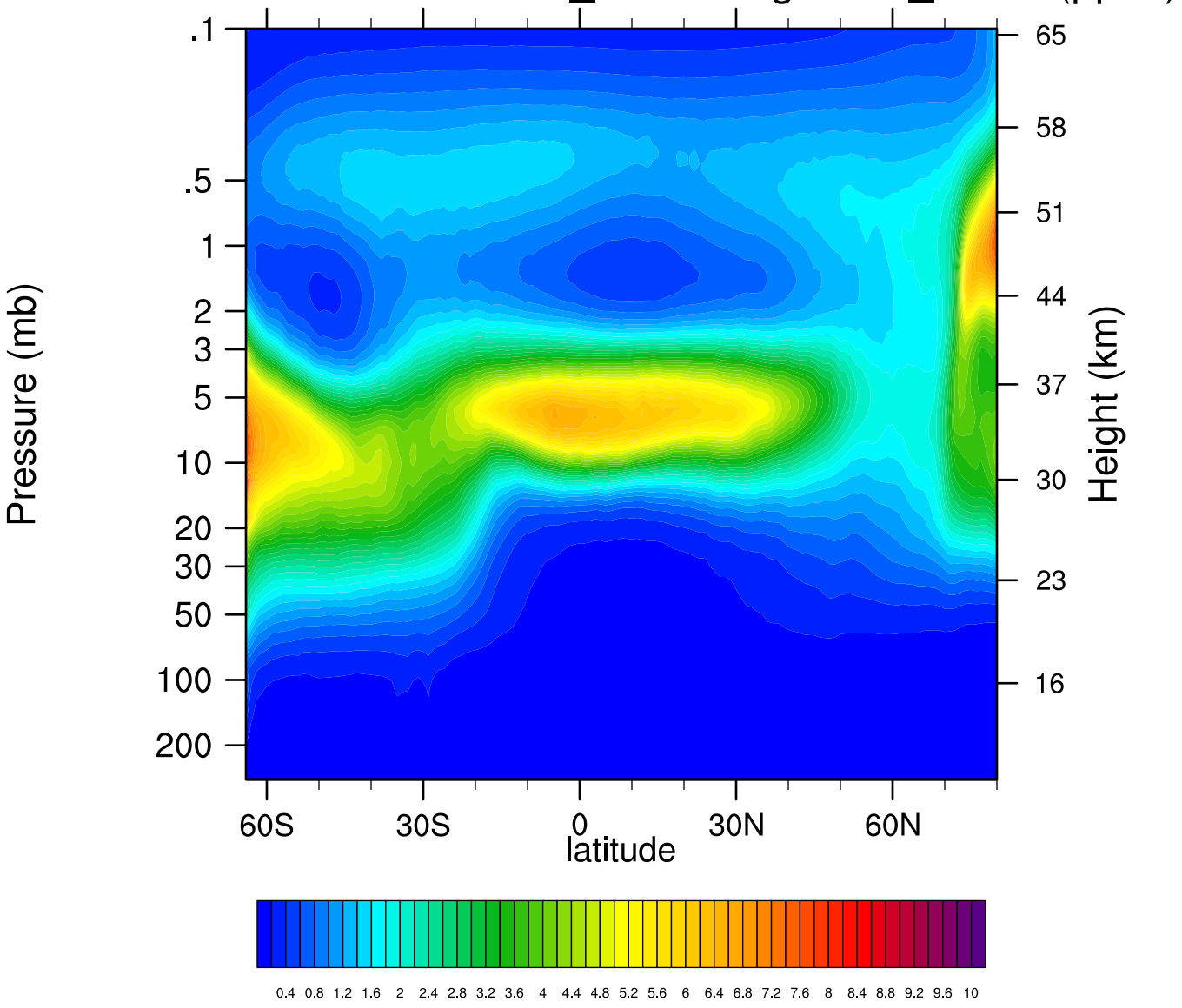

HIRDLSv7 2005d294 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

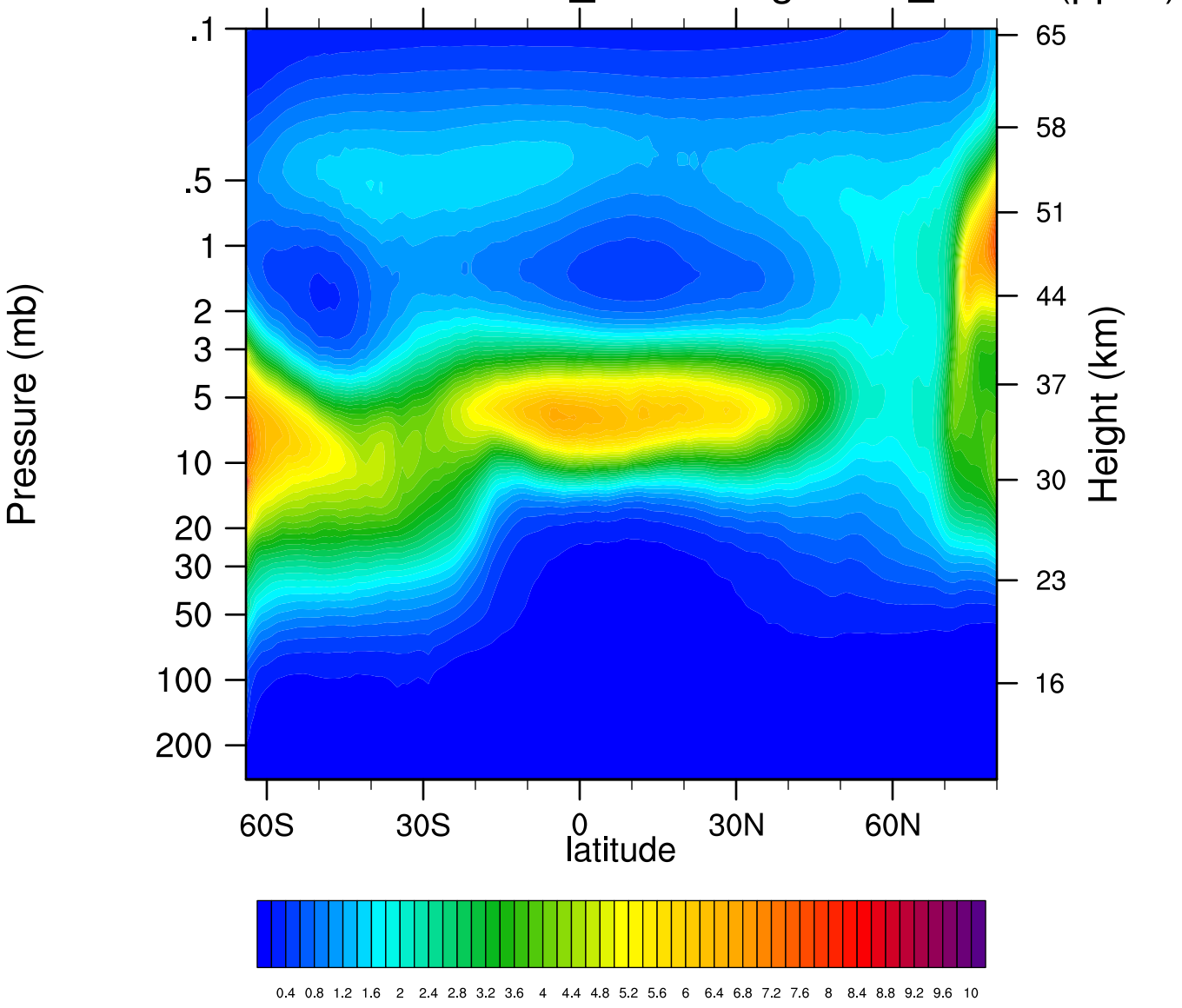

HIRDLSv7 2005d295 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

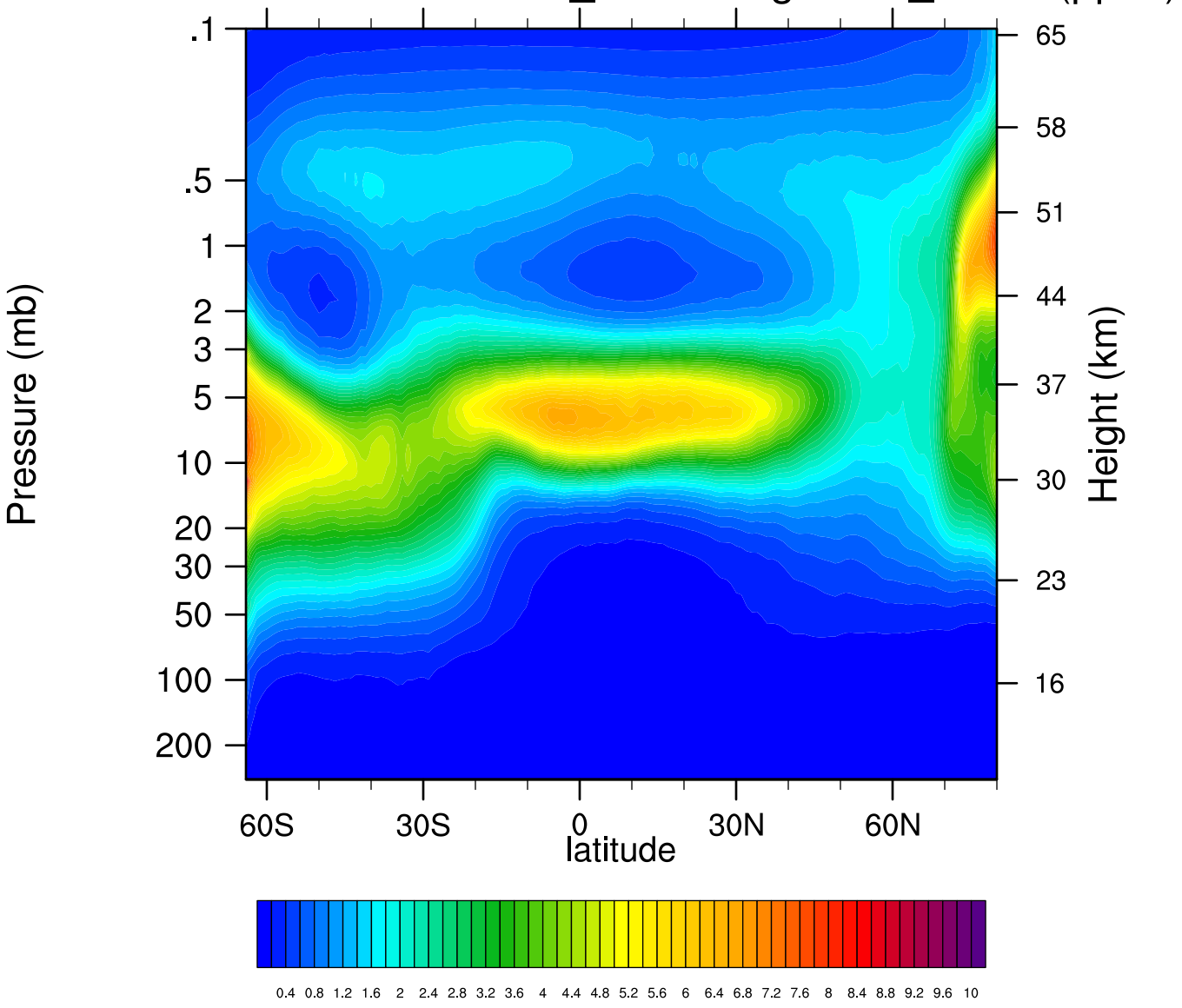

HIRDLSv7 2005d296 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

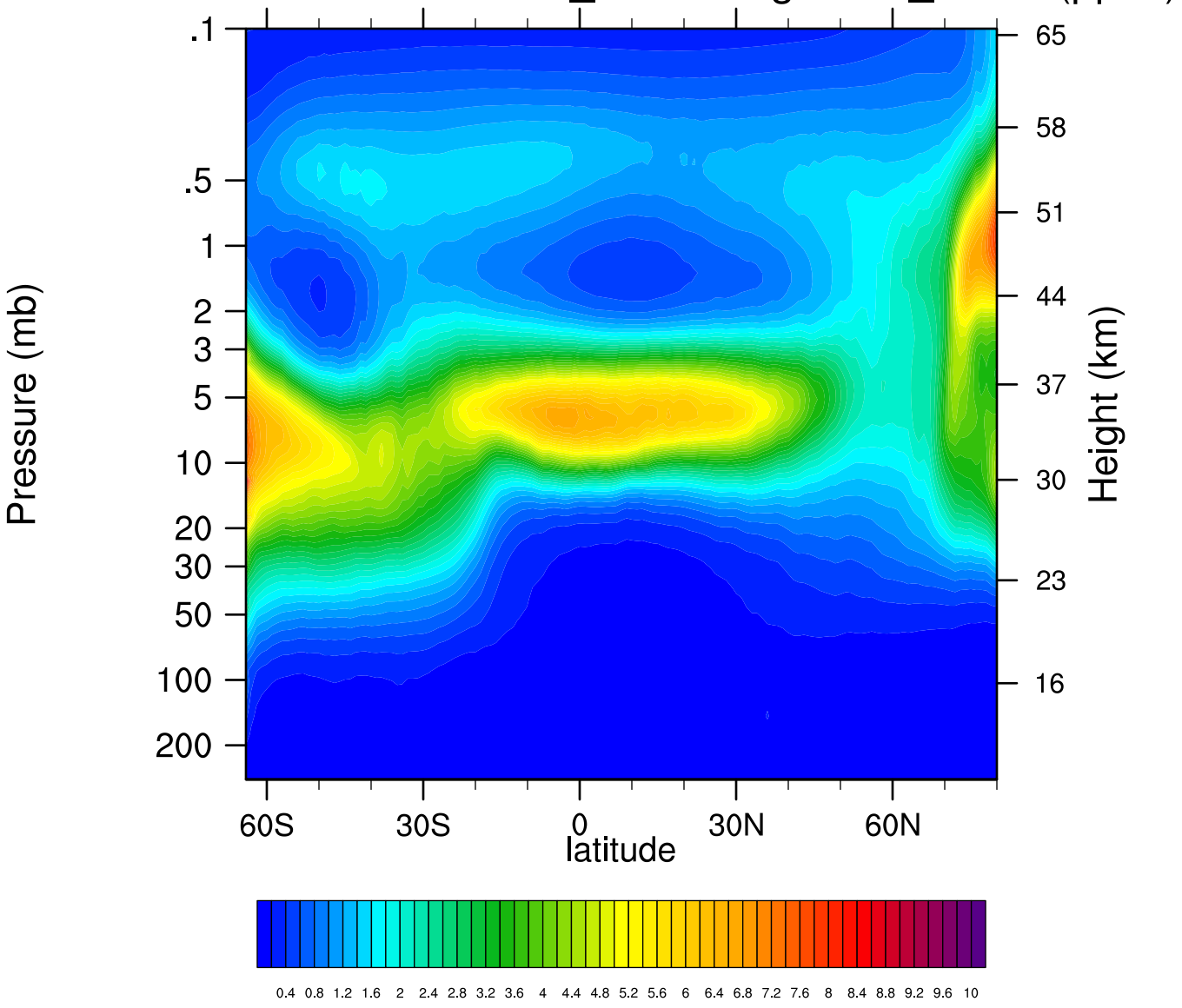

HIRDLSv7 2005d297 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

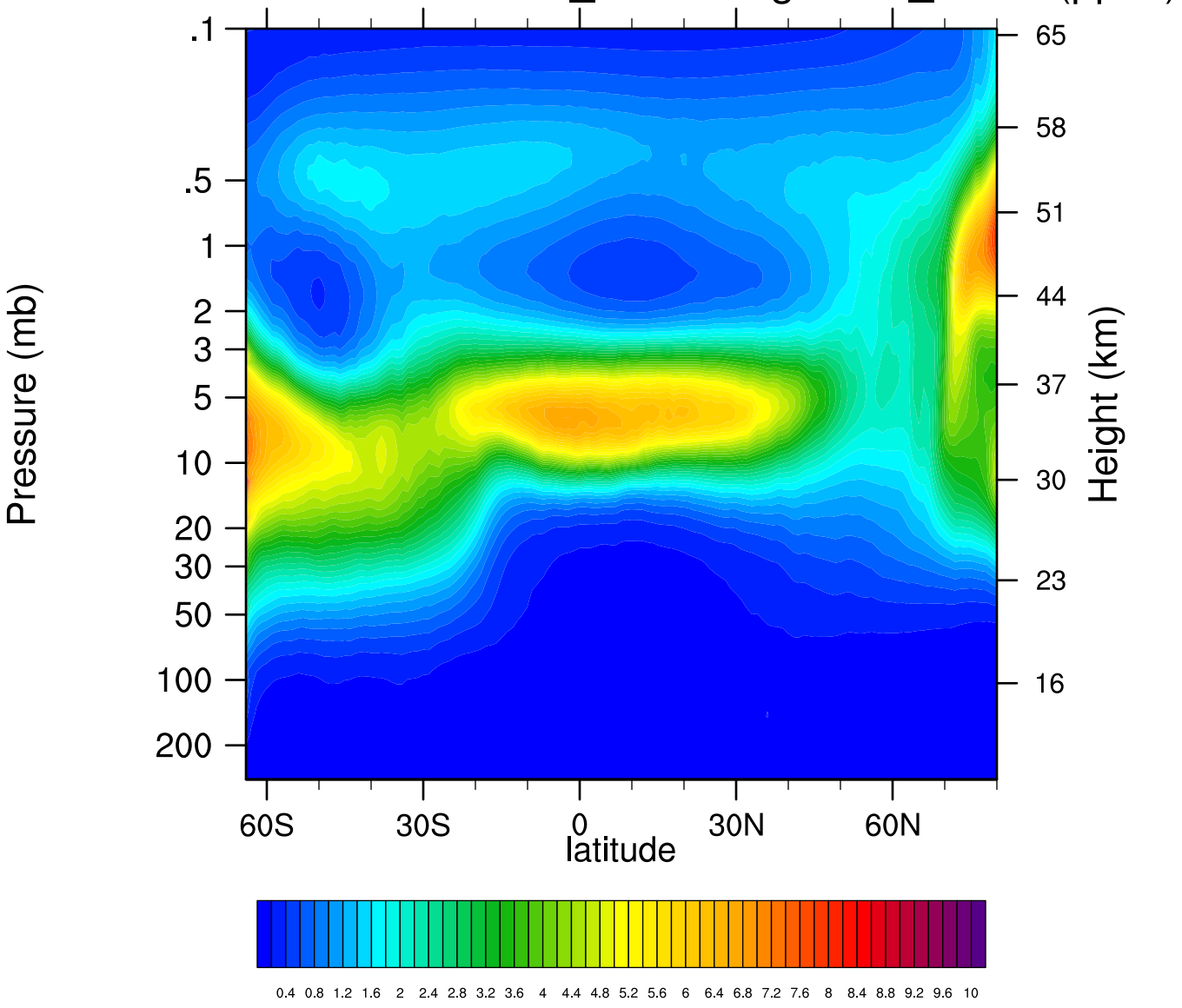

HIRDLSv7 2005d298 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

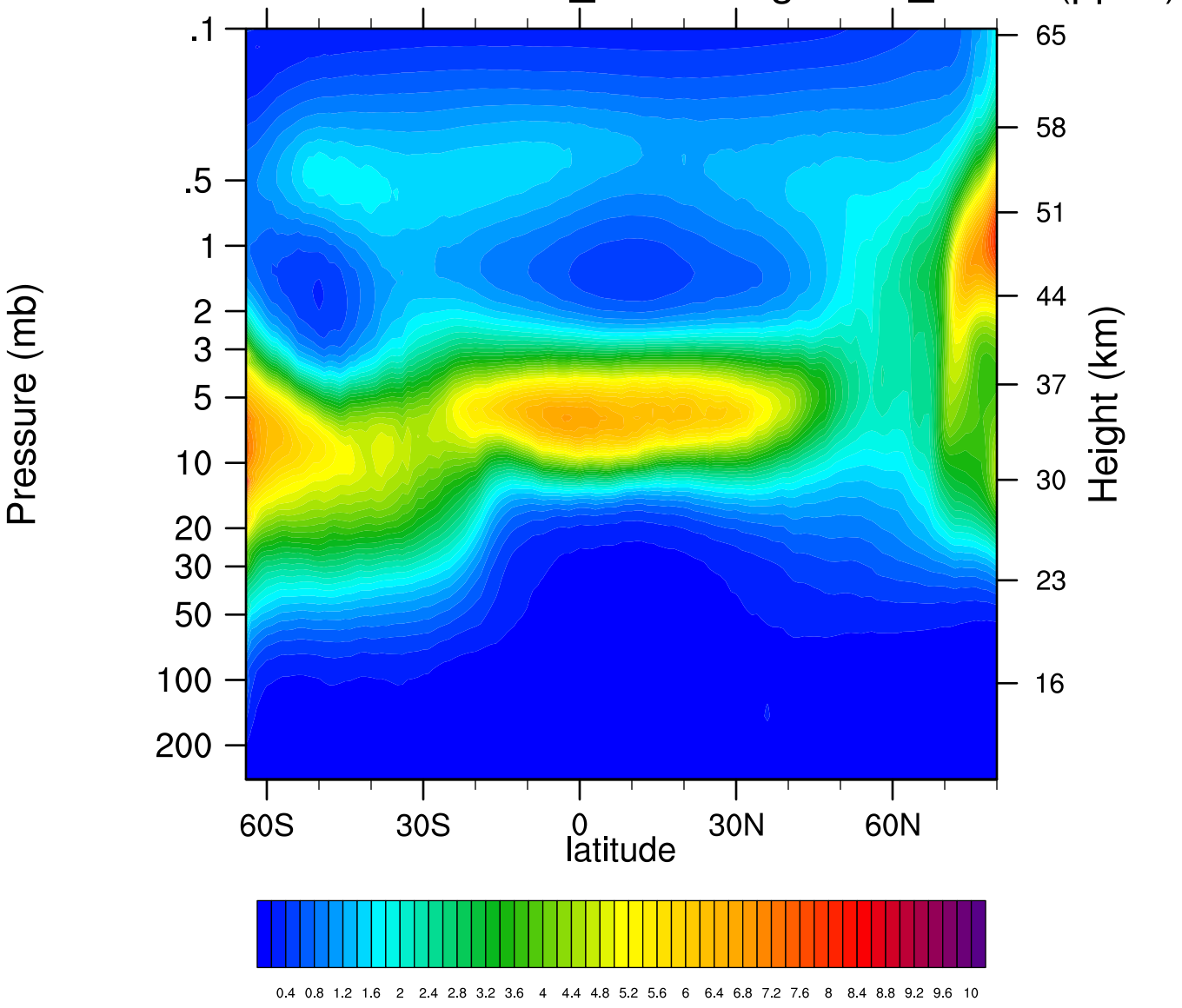

HIRDLSv7 2005d299 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

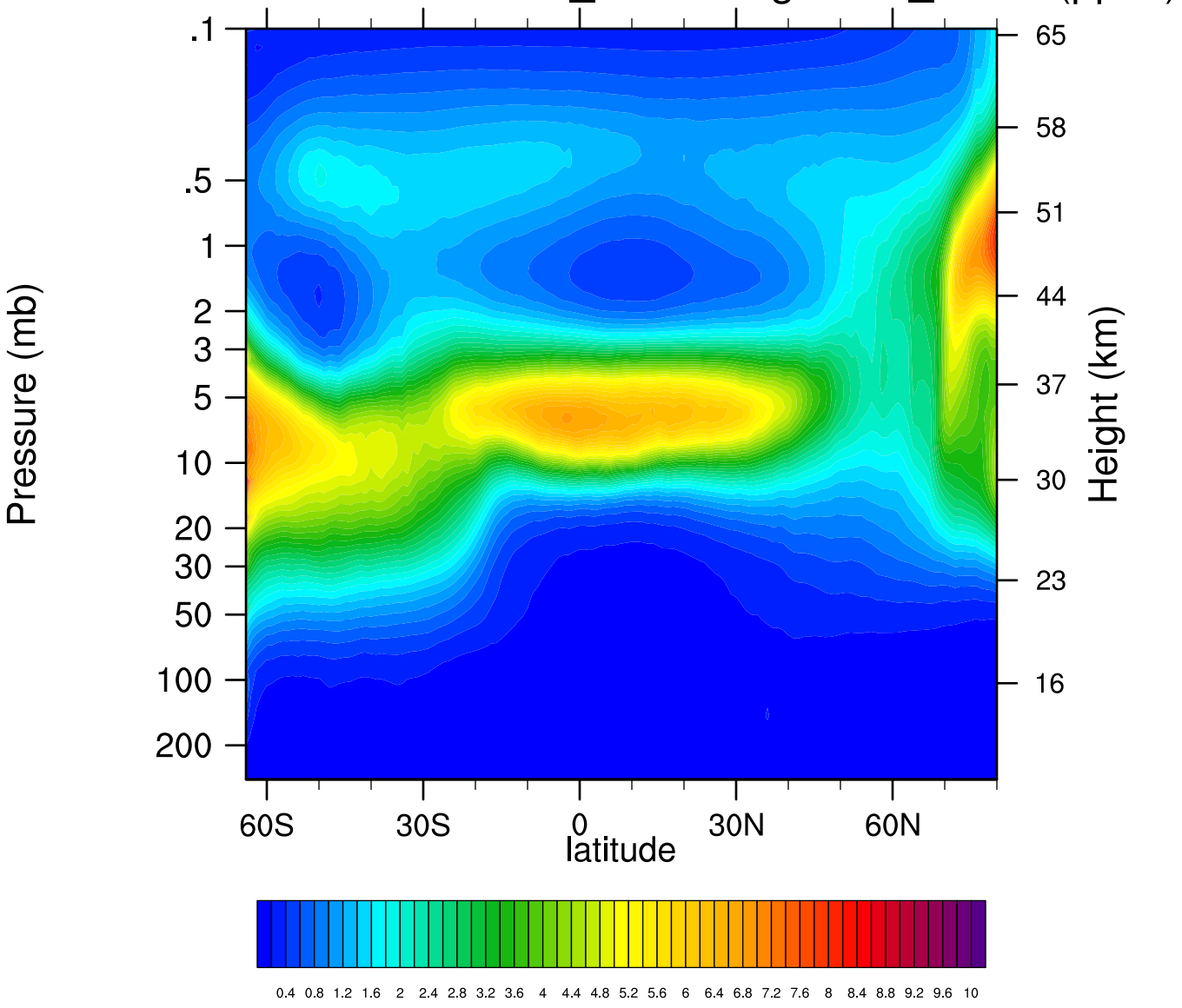

HIRDLSv7 2005d300 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

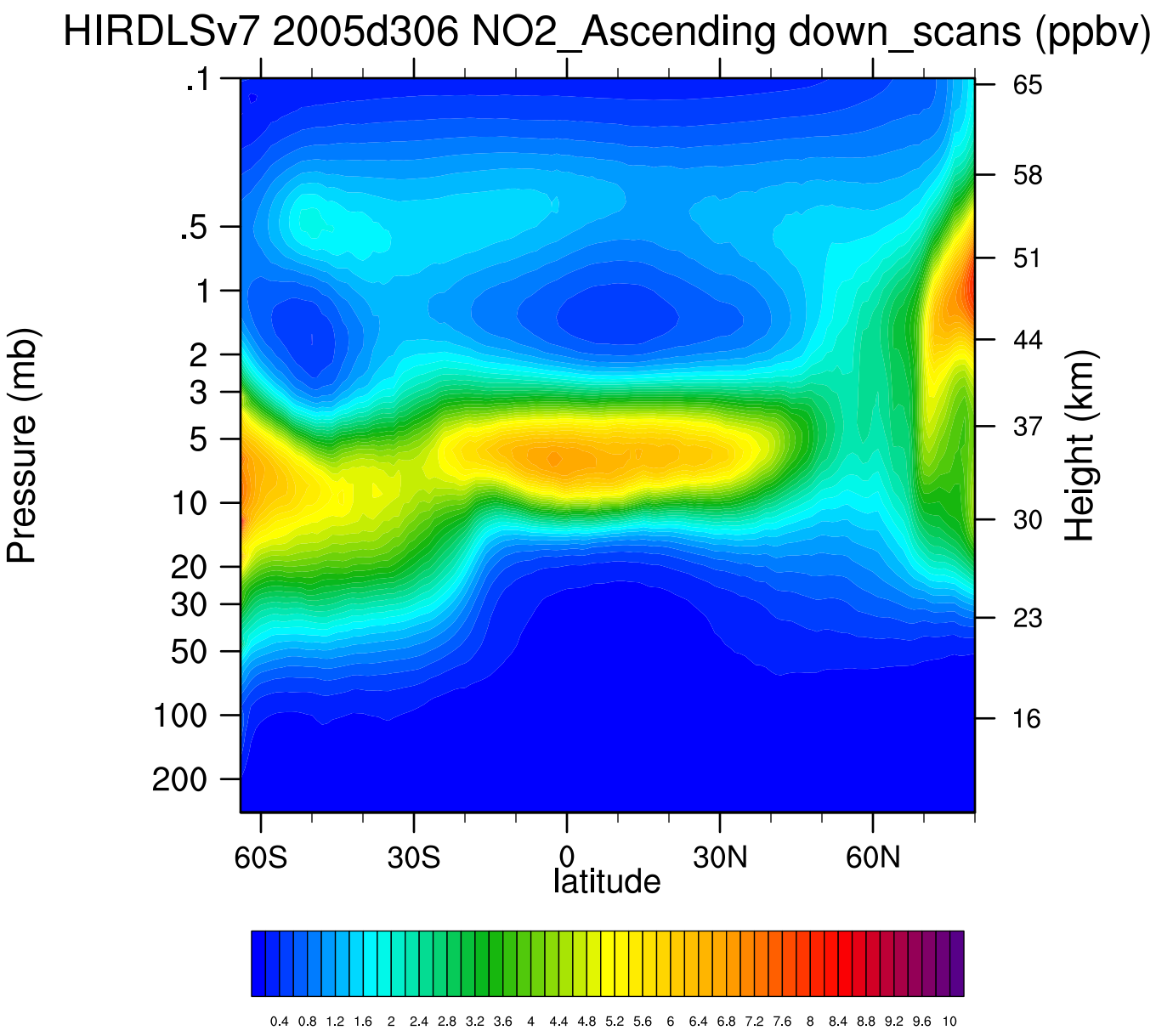

HIRDLSv7 2005d301 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

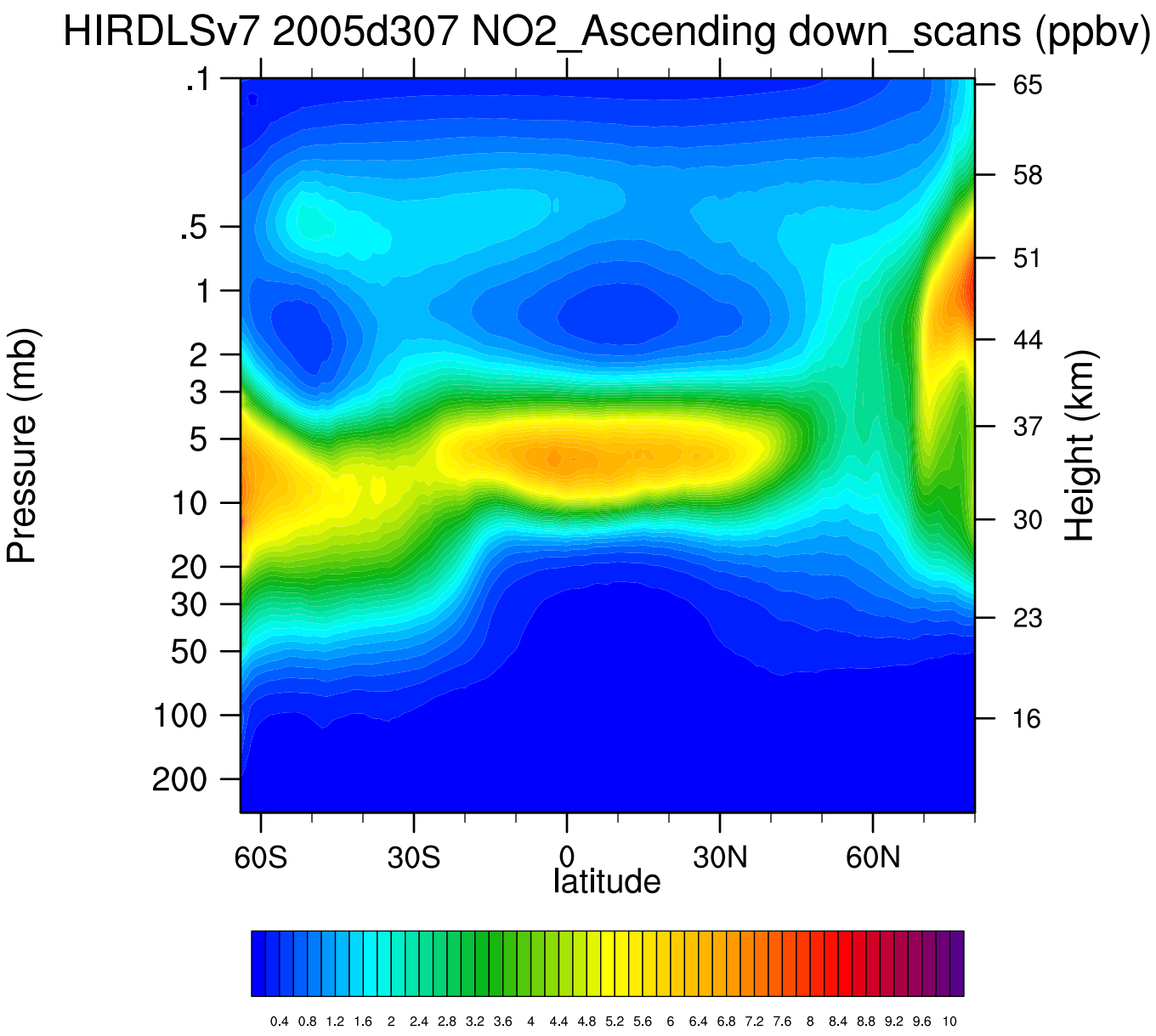

HIRDLSv7 2005d302 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

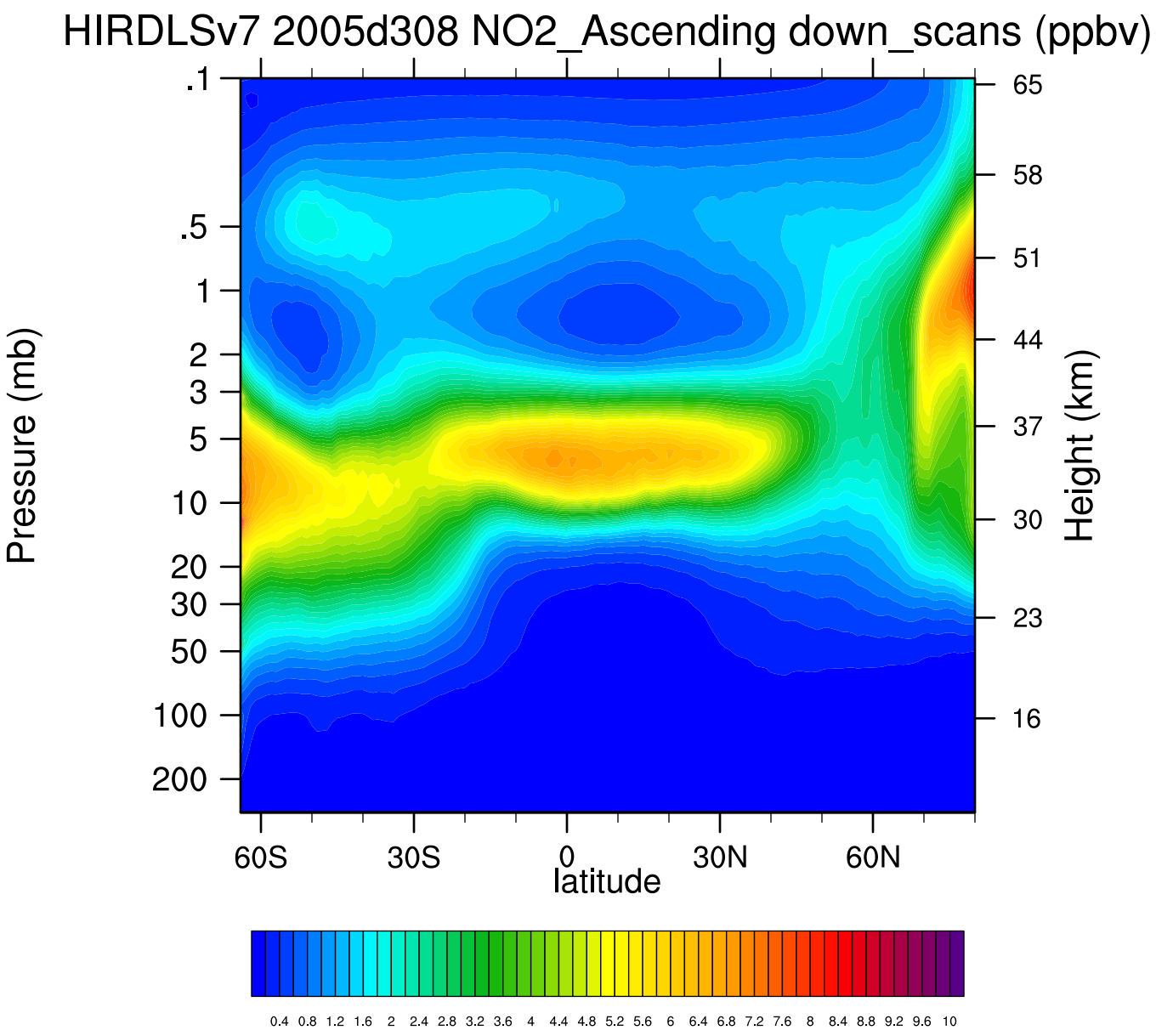

HIRDLSv7 2005d303 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

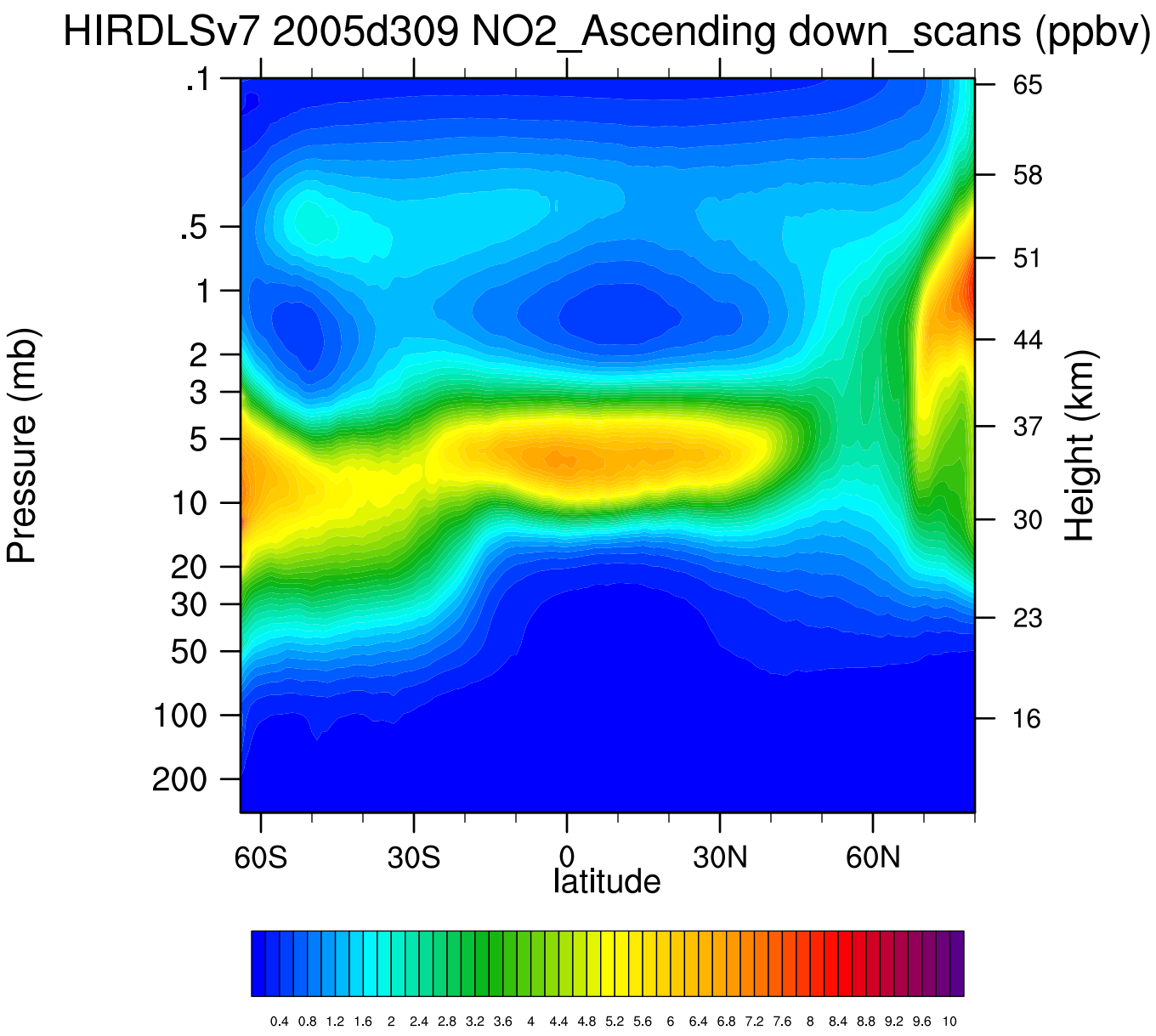

HIRDLSv7 2005d304 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

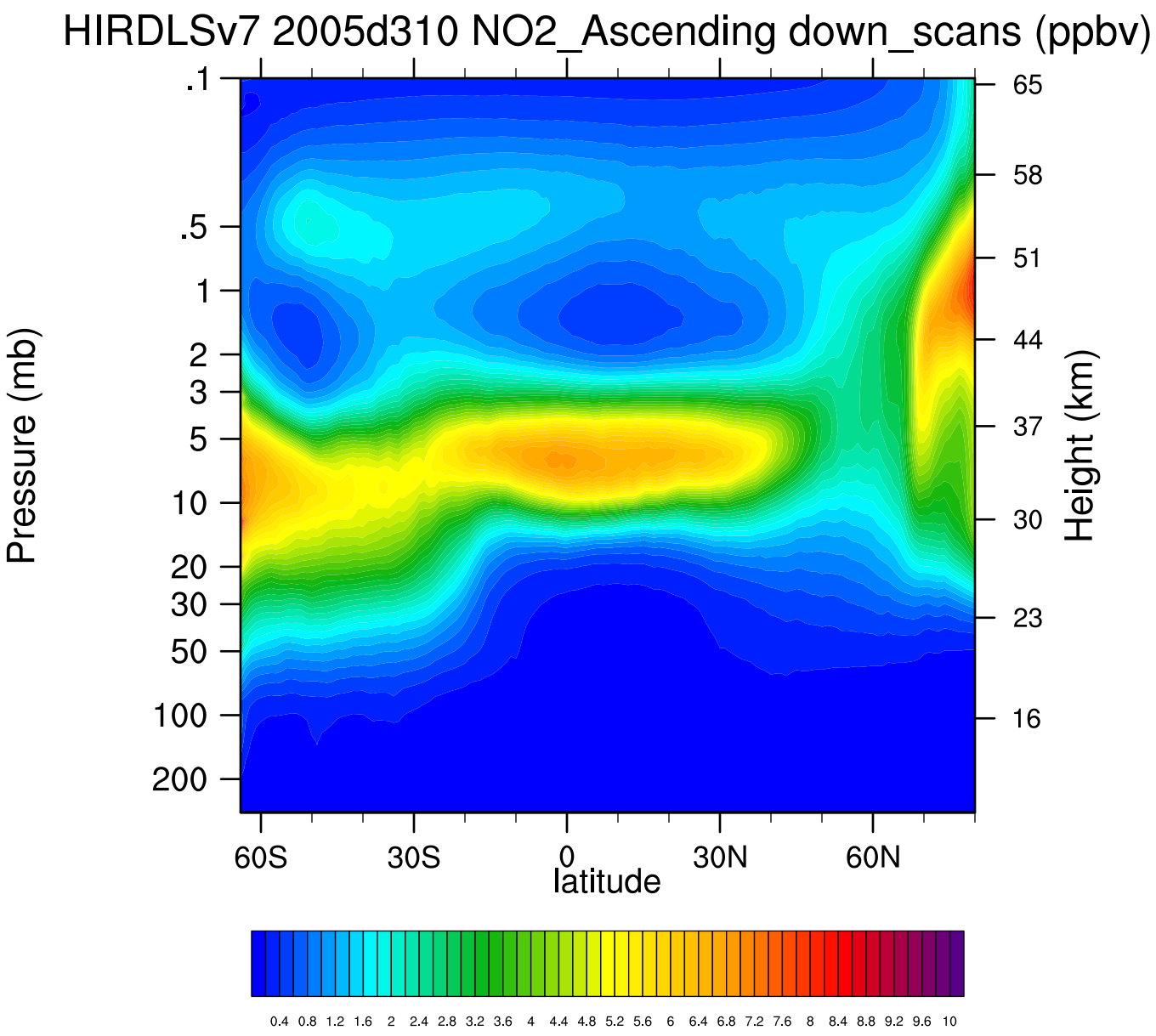

HIRDLSv7 2005d305 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

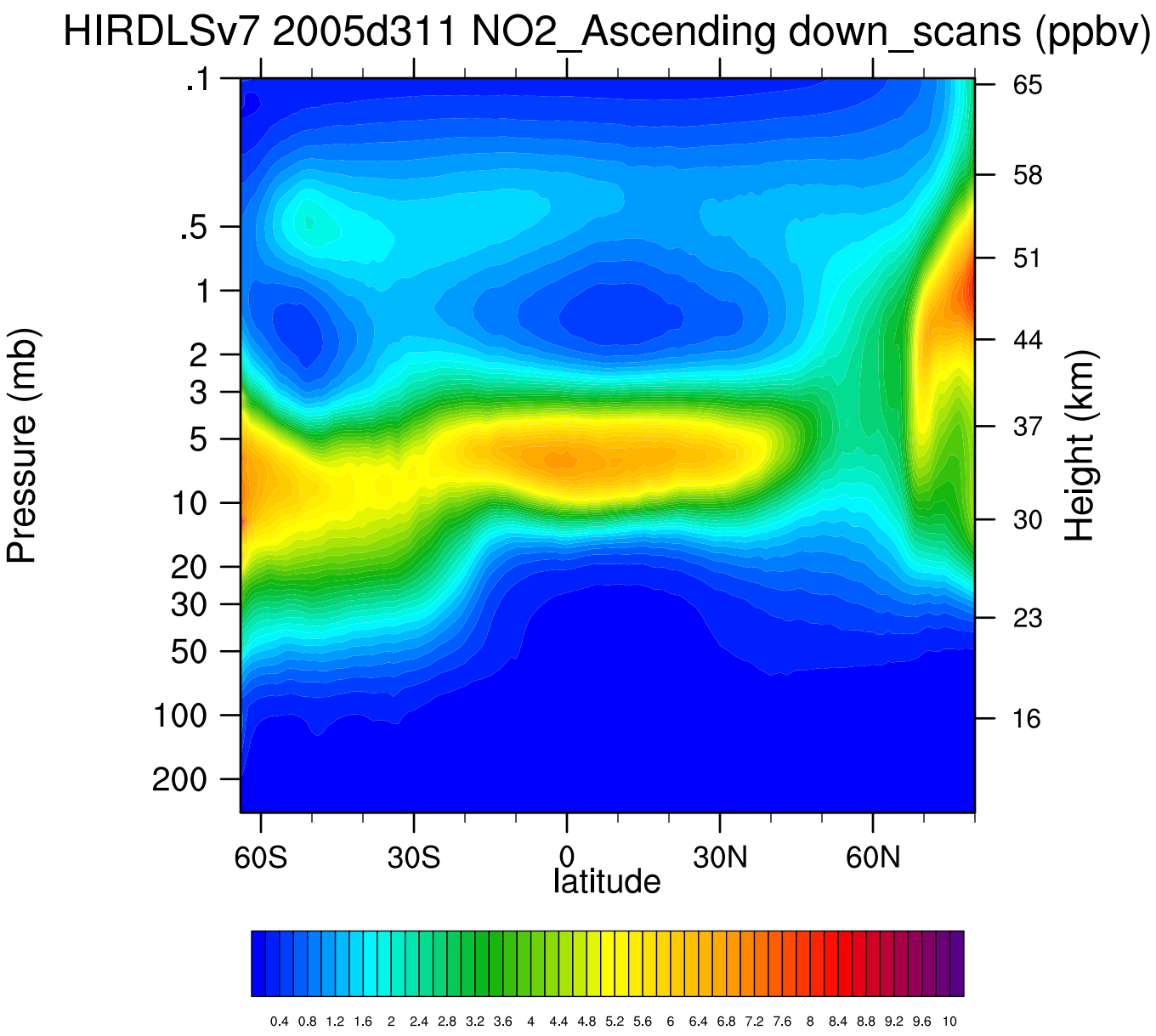

HIRDLSv7 2005d306 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

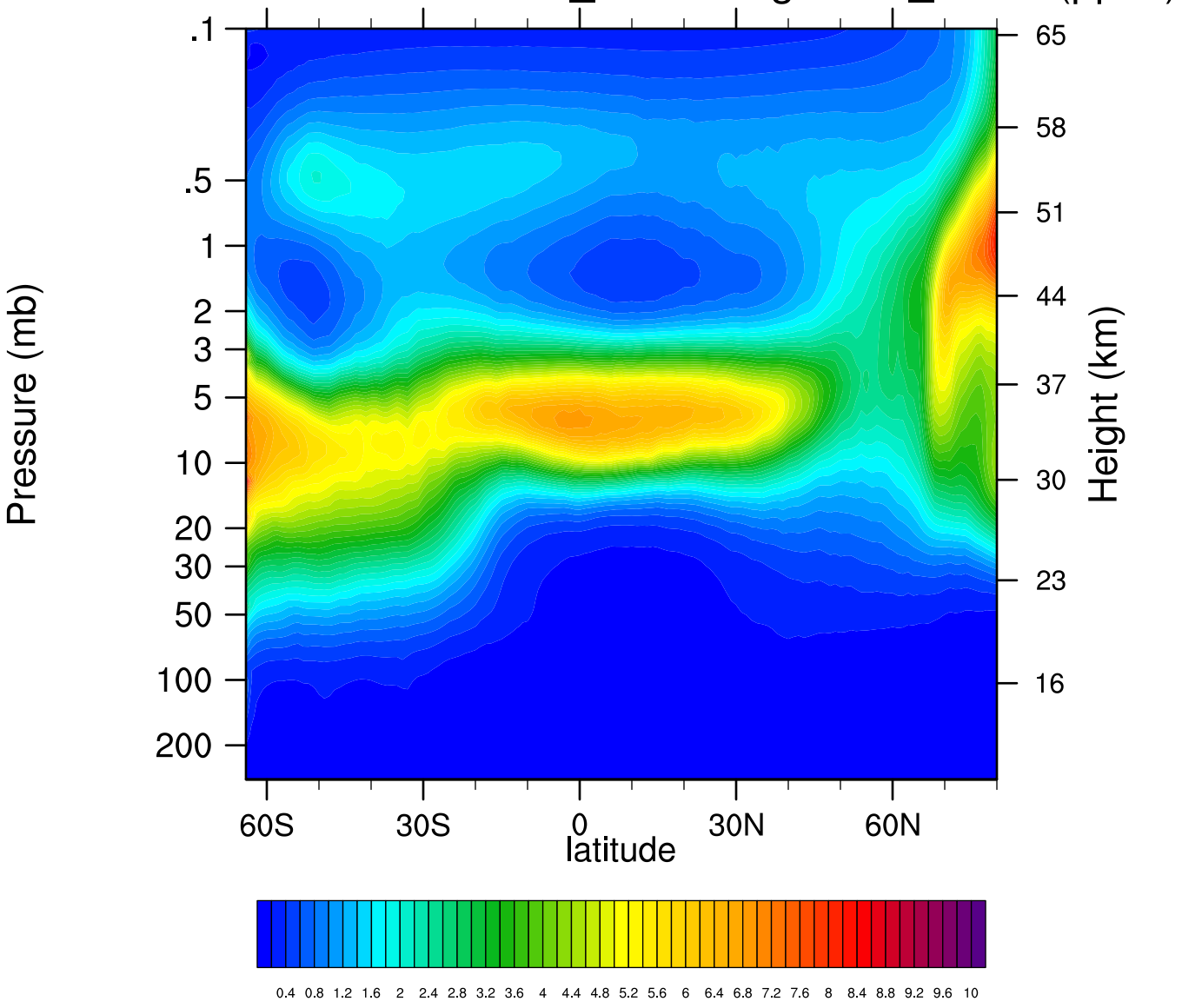

HIRDLSv7 2005d307 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

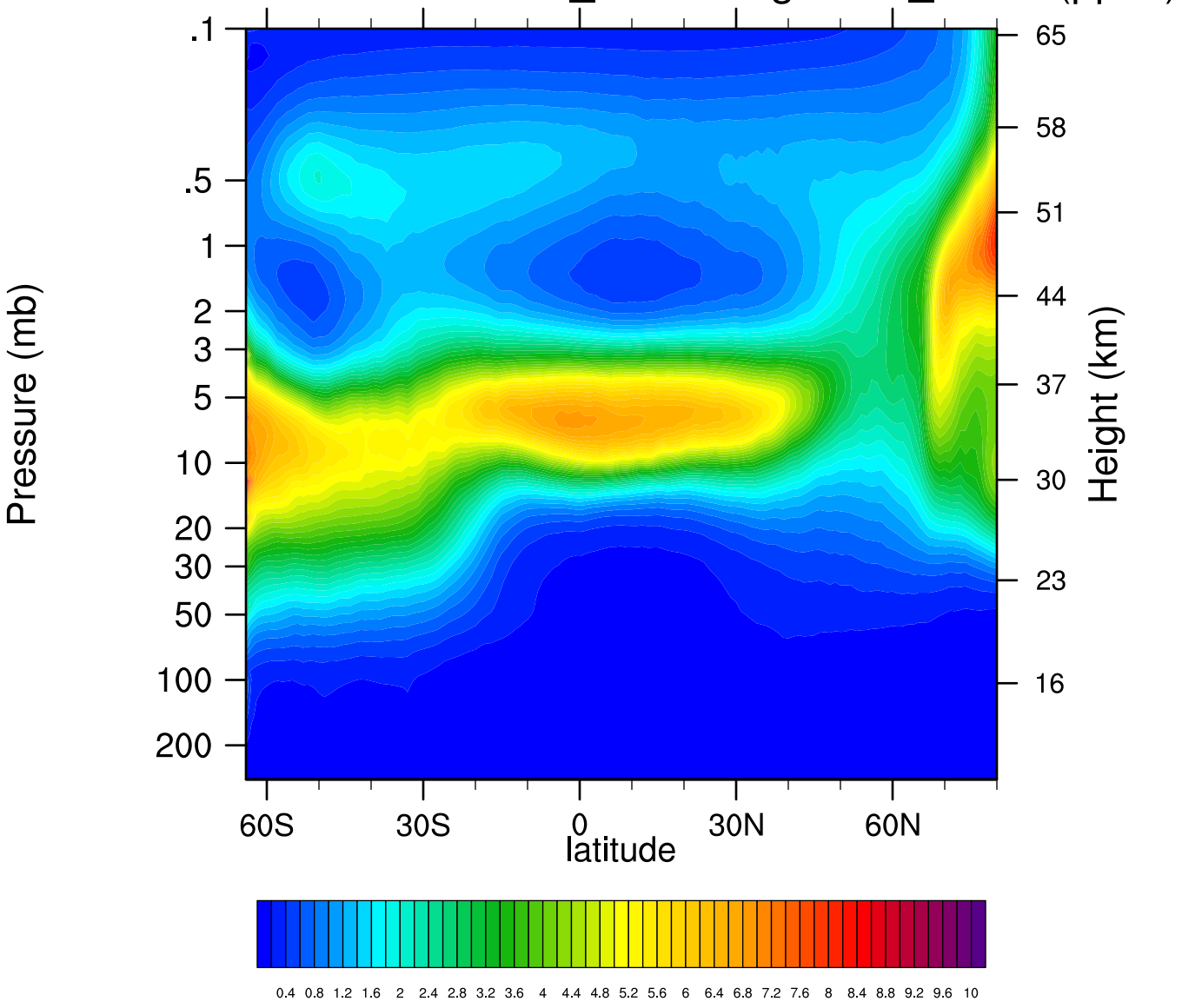

HIRDLSv7 2005d308 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

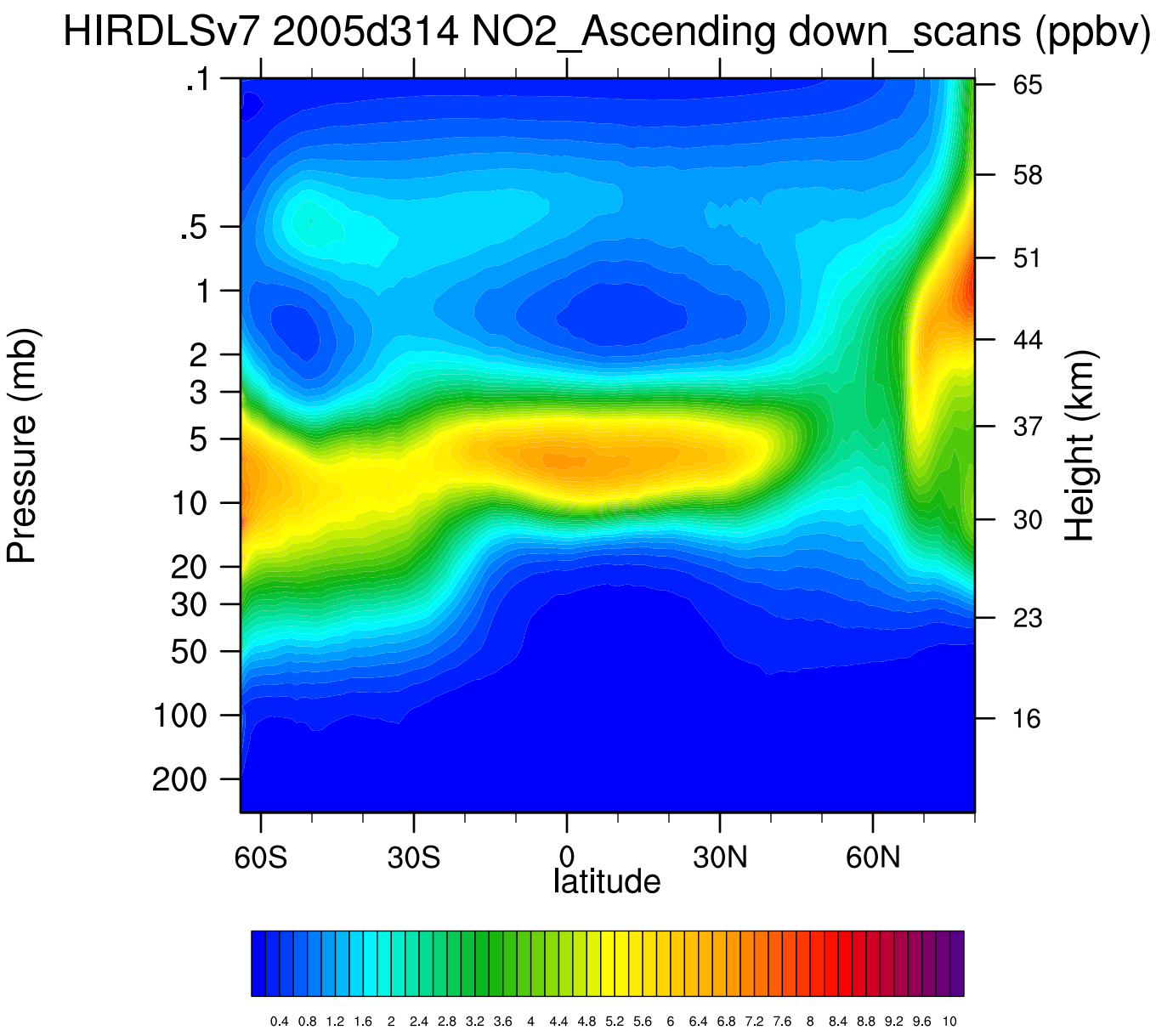

HIRDLSv7 2005d309 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

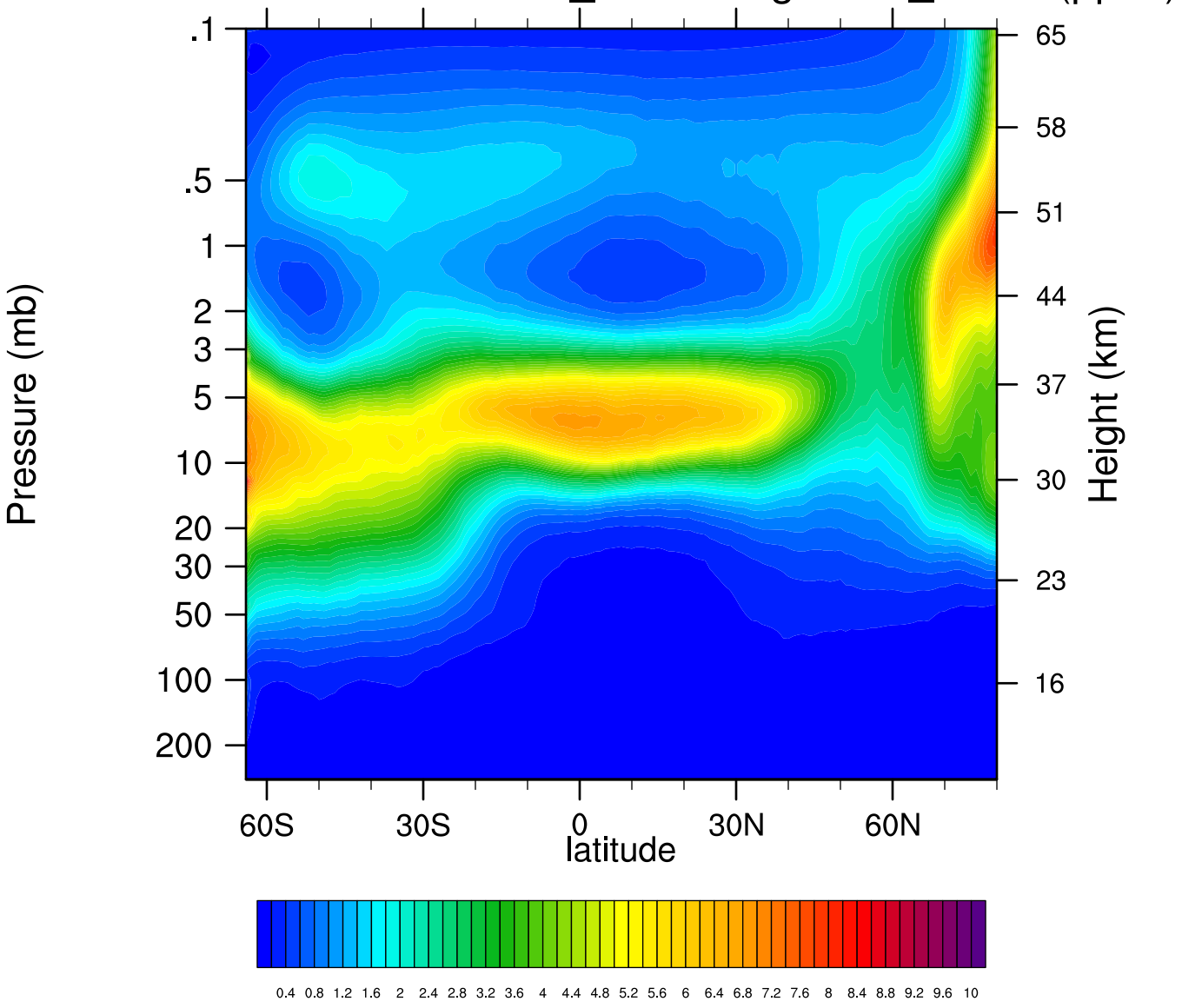

HIRDLSv7 2005d310 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

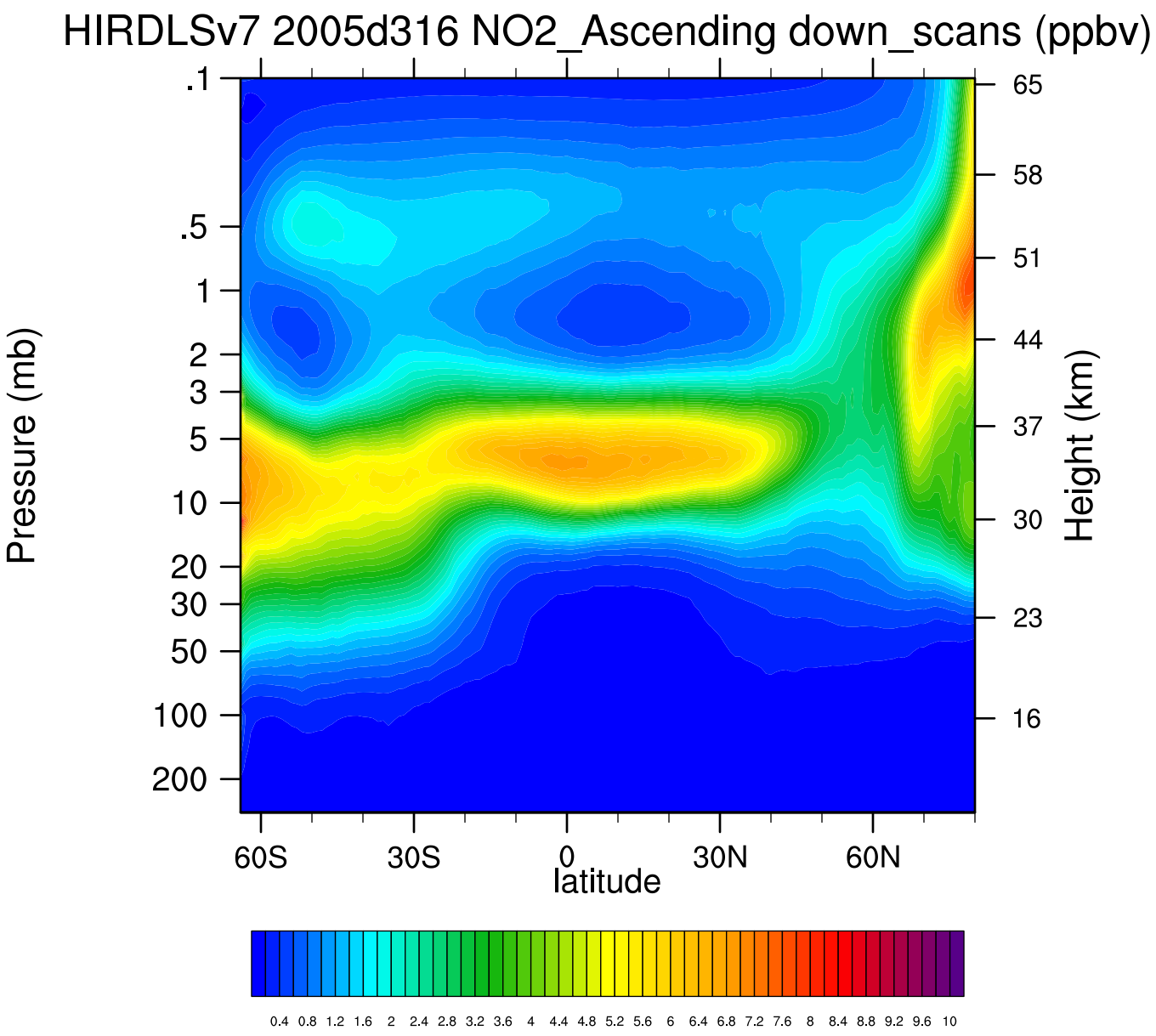

HIRDLSv7 2005d311 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

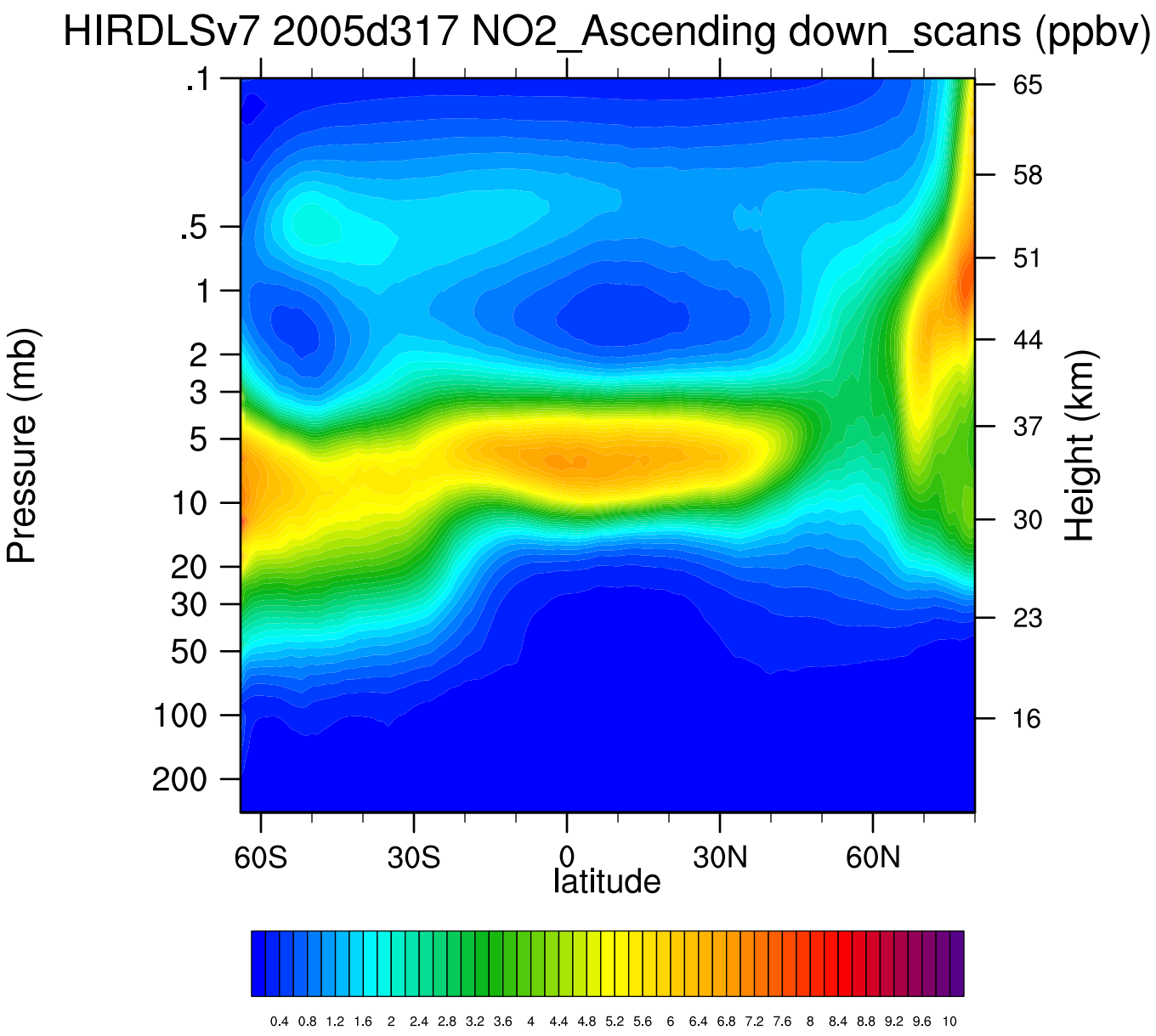

HIRDLSv7 2005d312 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

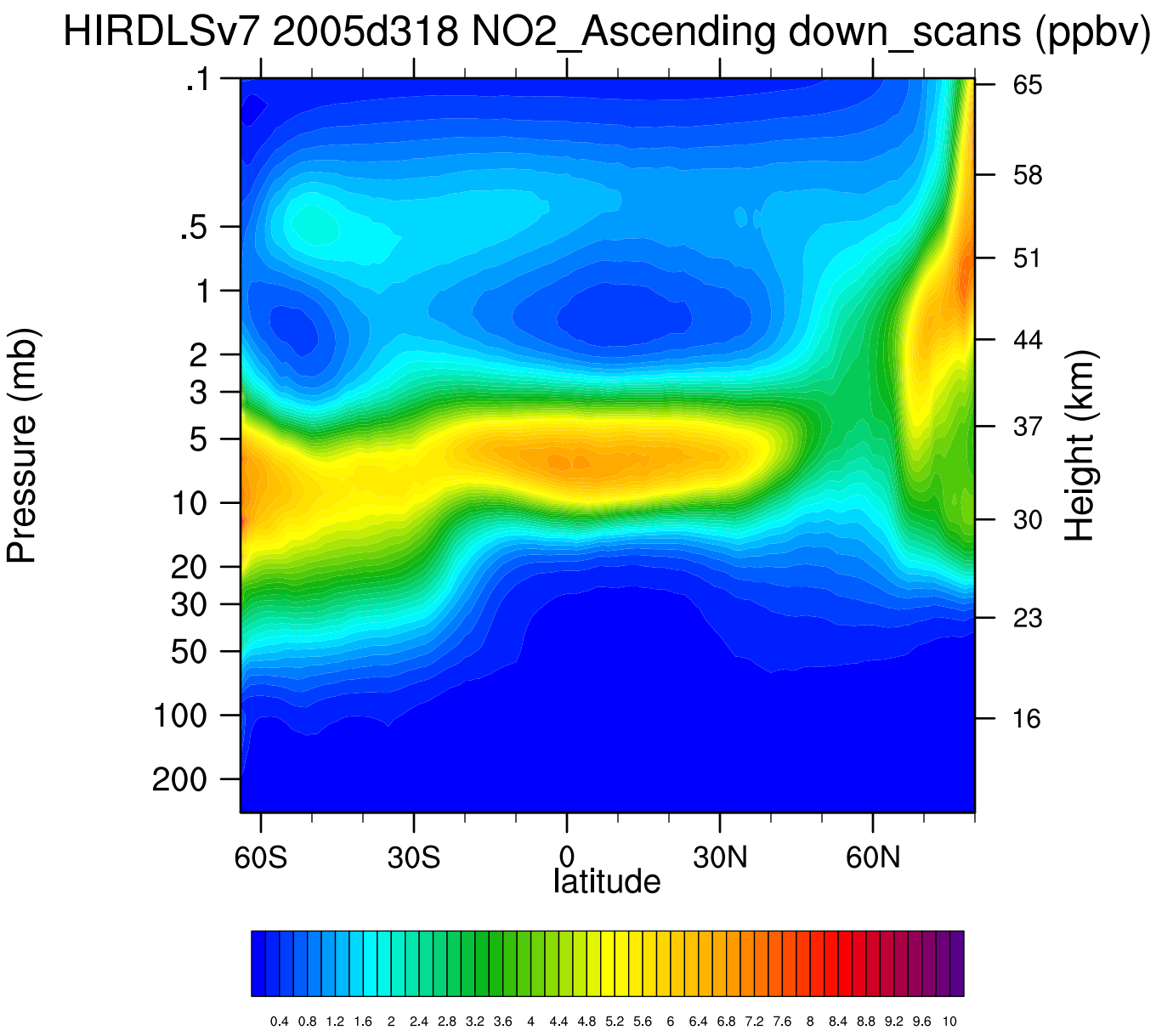

HIRDLSv7 2005d313 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

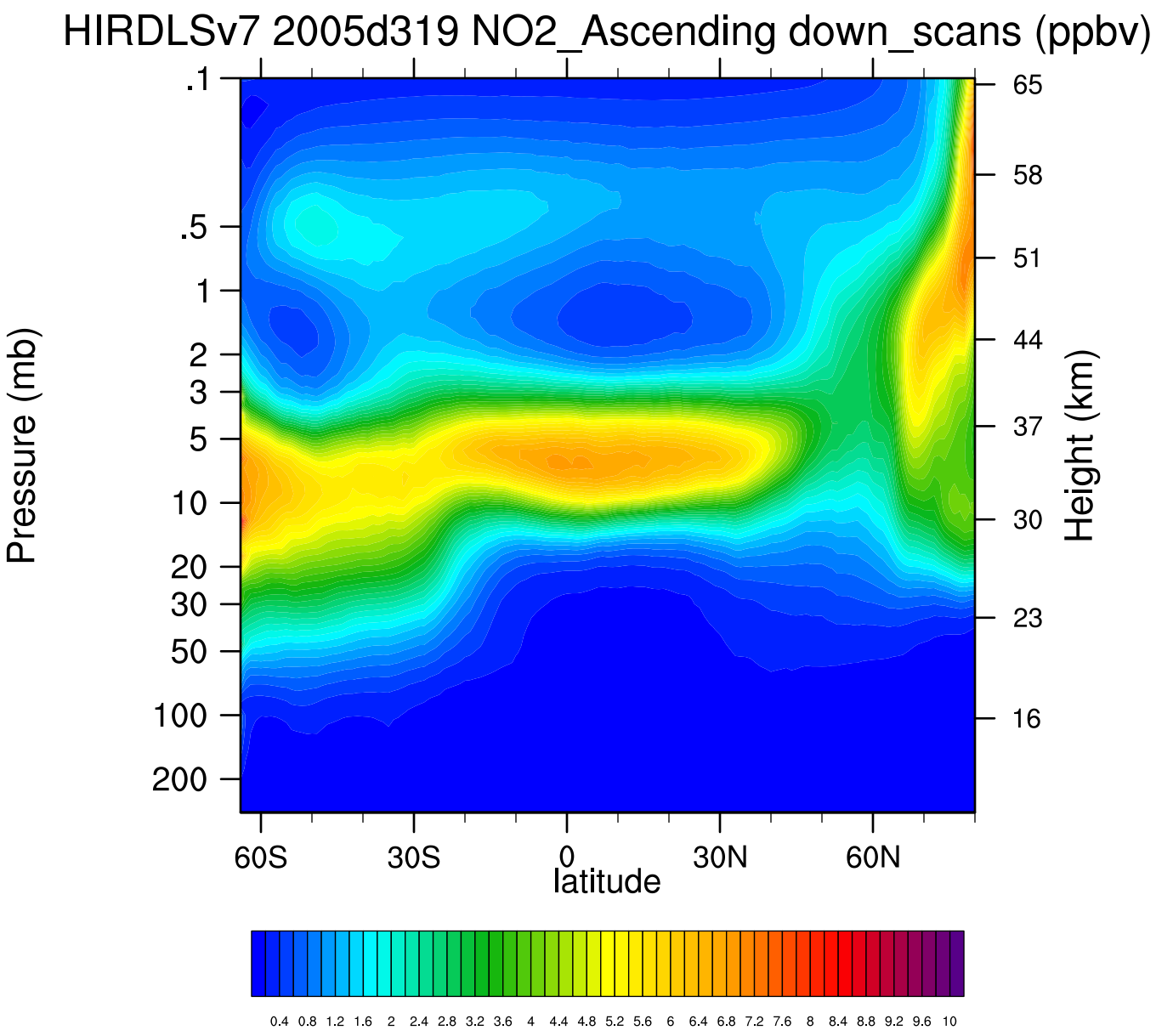

HIRDLSv7 2005d314 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

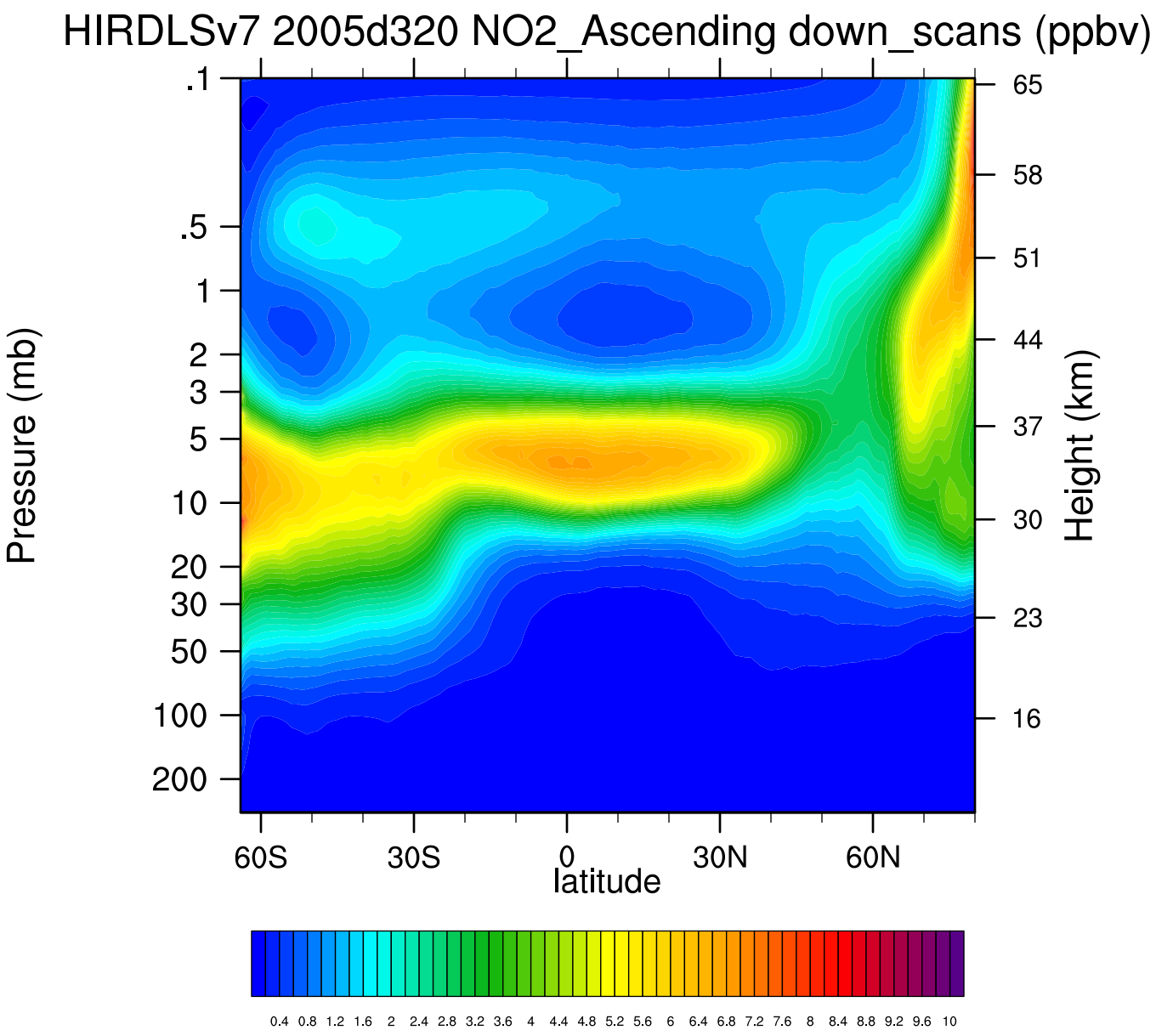

HIRDLSv7 2005d315 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

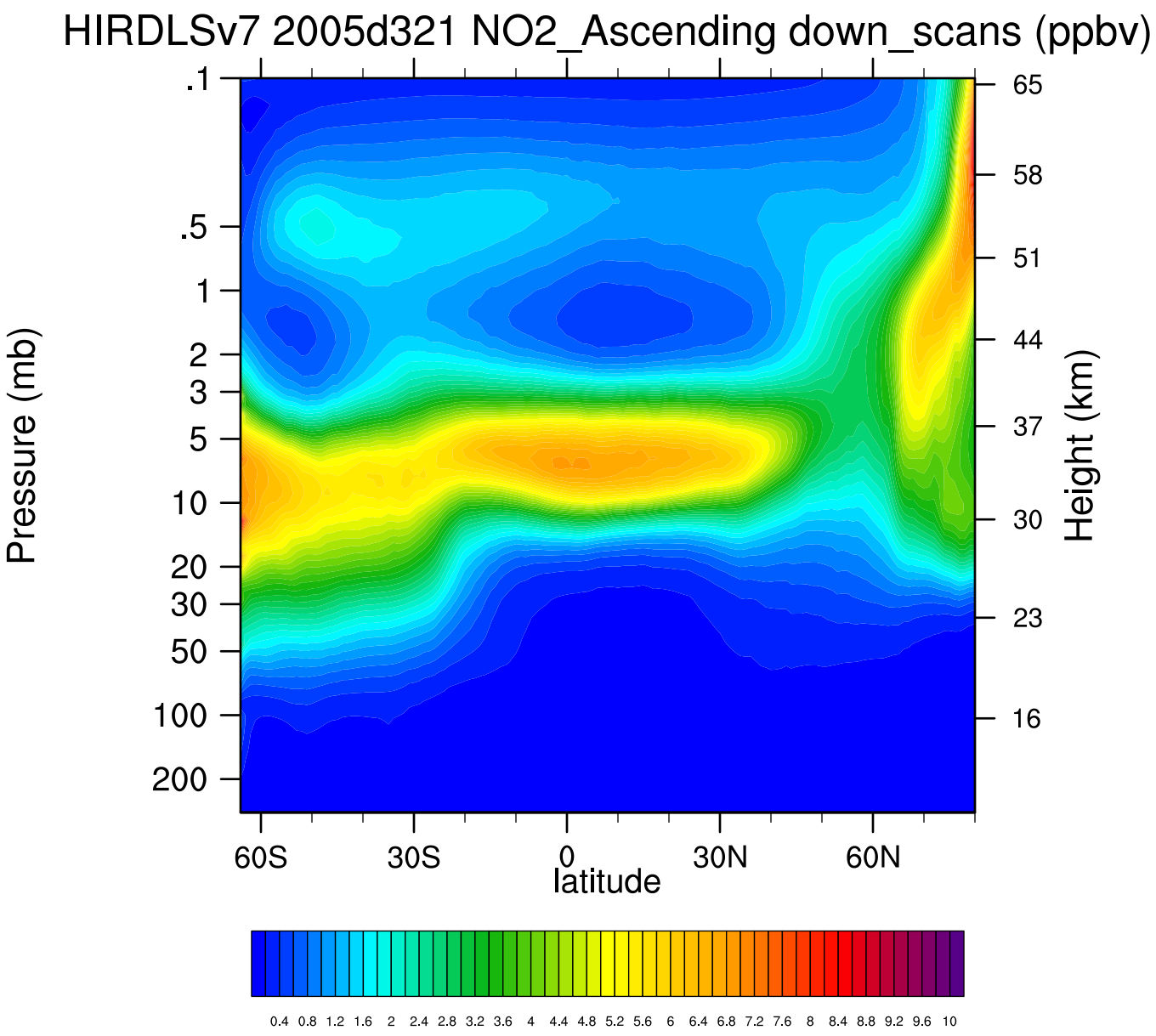

HIRDLSv7 2005d316 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

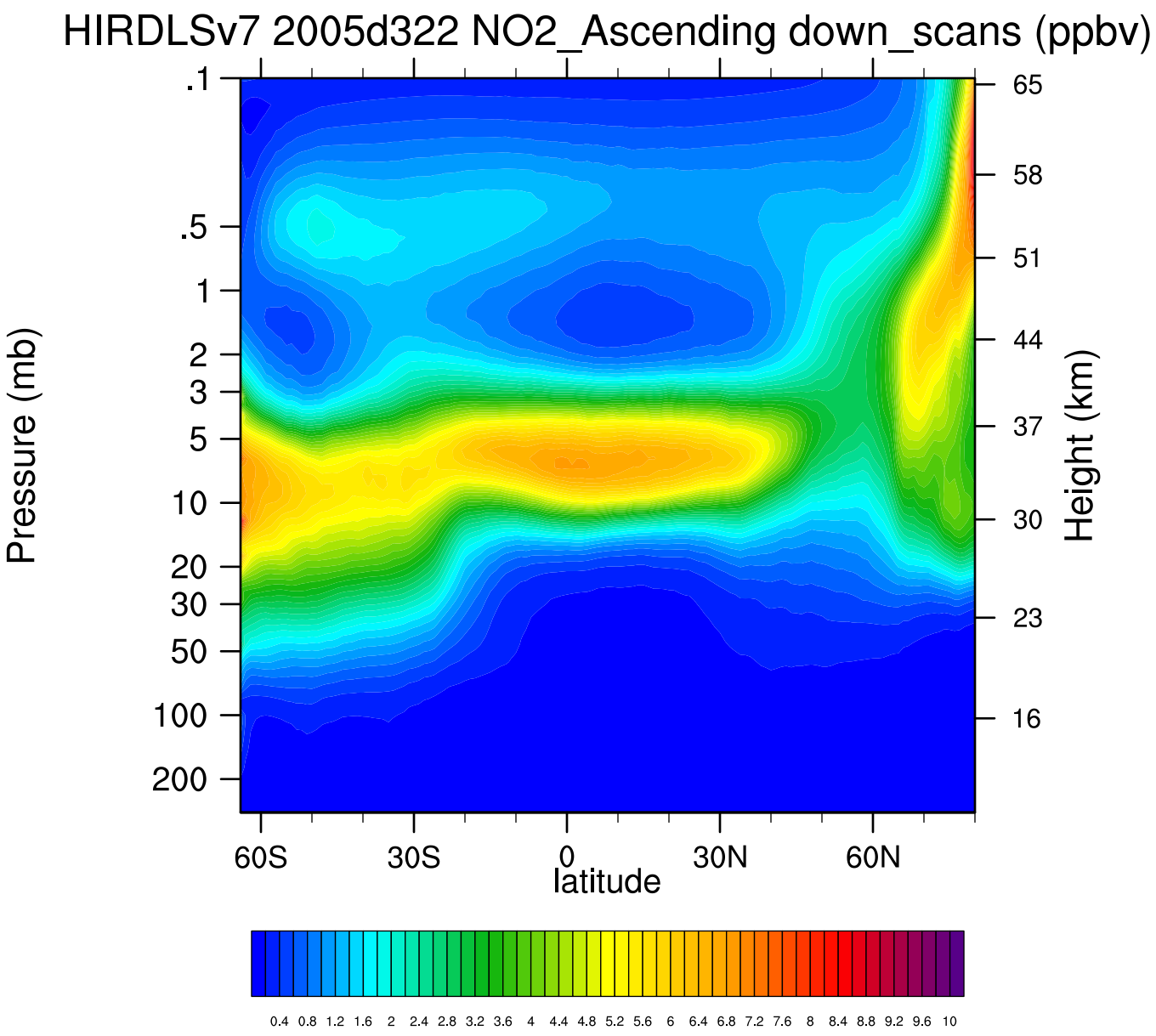

HIRDLSv7 2005d317 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

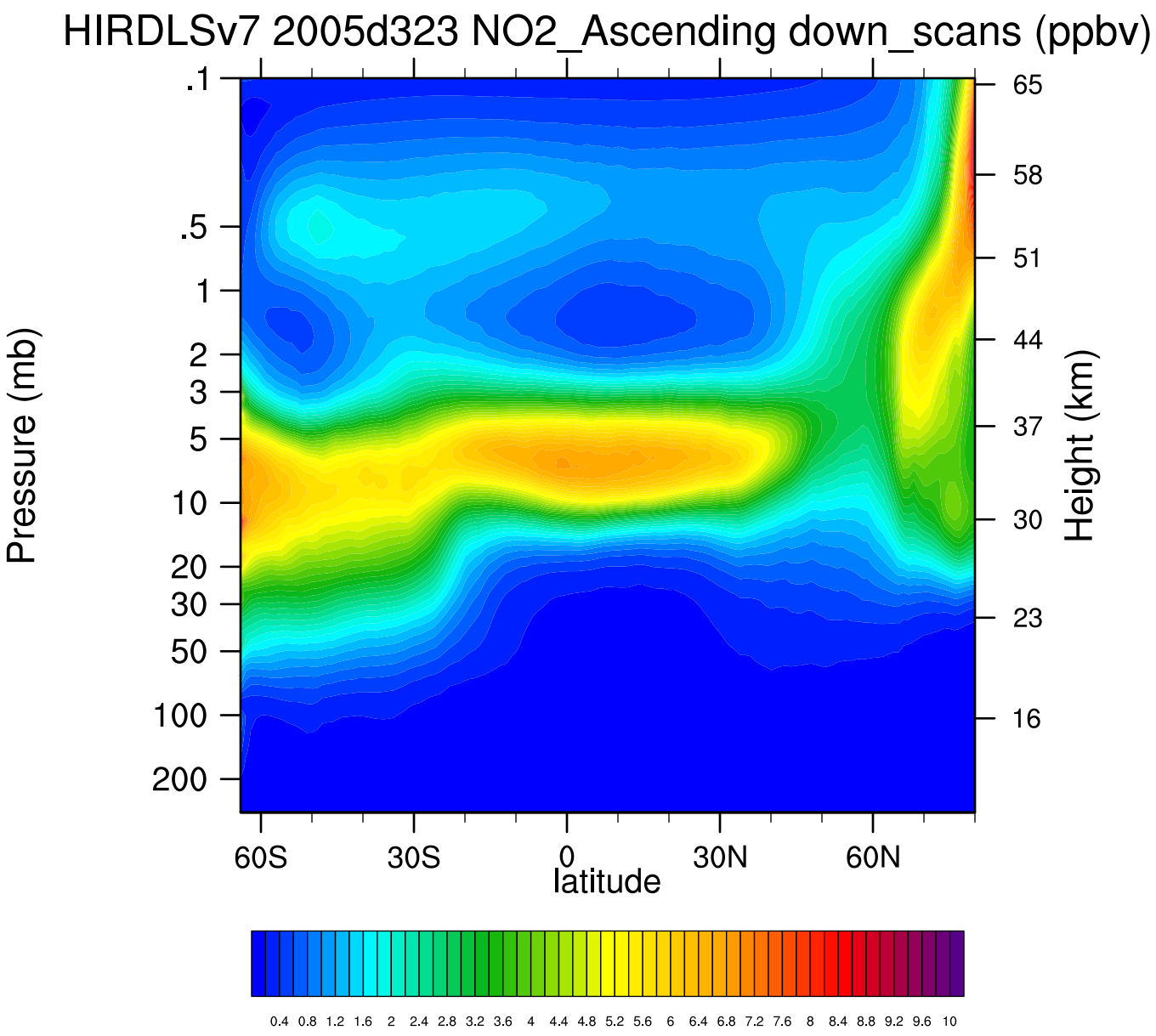

HIRDLSv7 2005d318 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

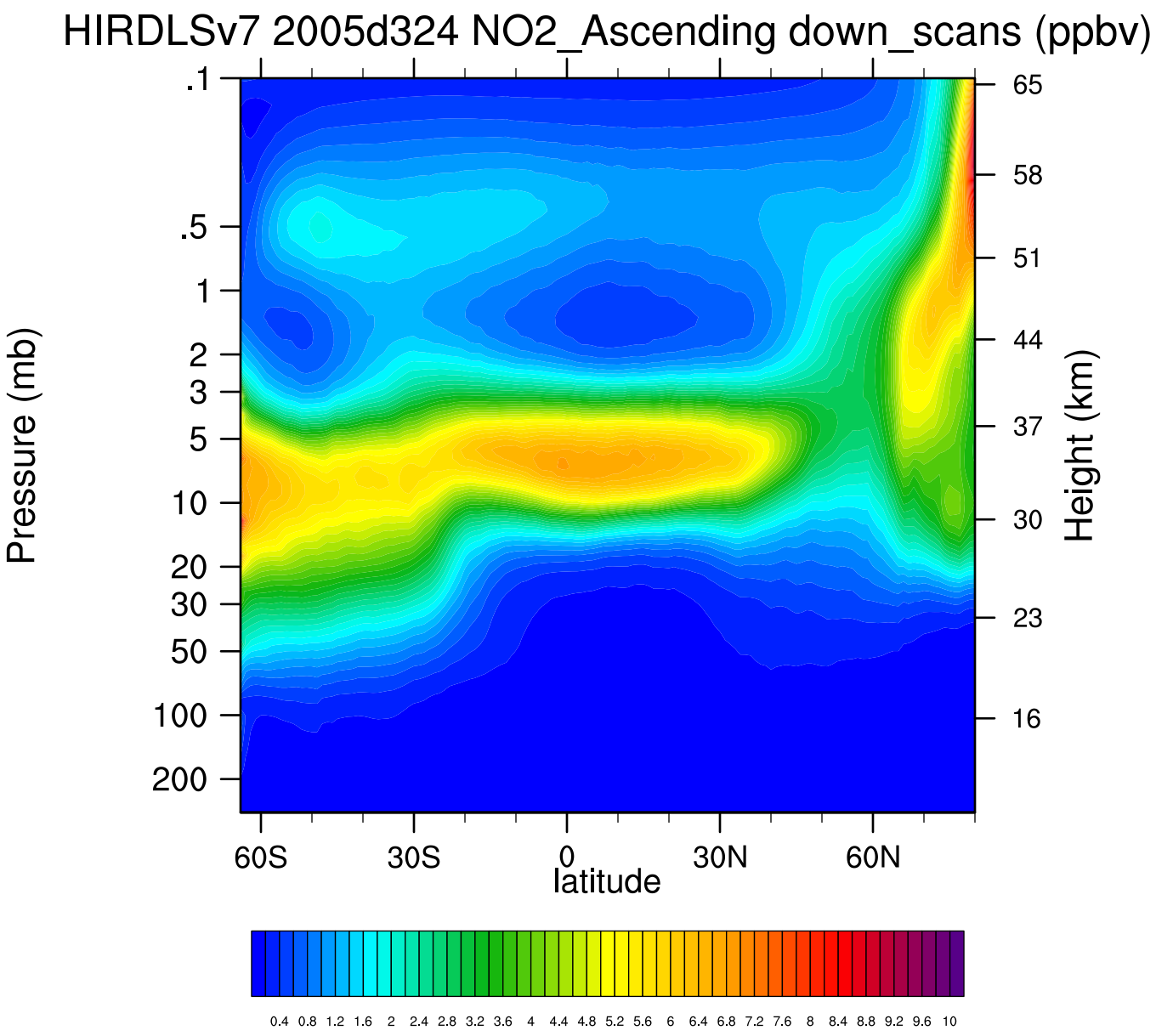

HIRDLSv7 2005d319 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

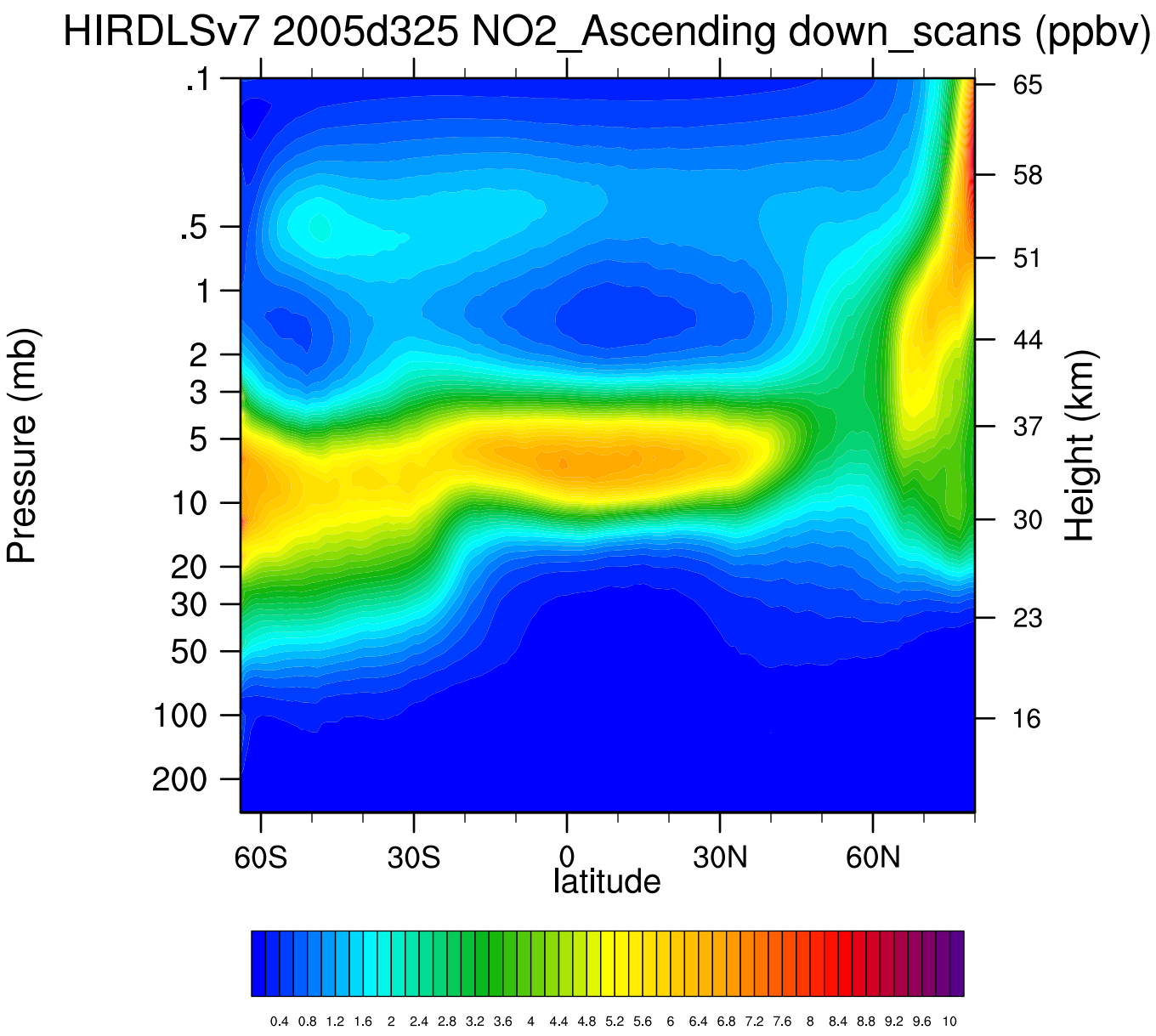

HIRDLSv7 2005d320 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

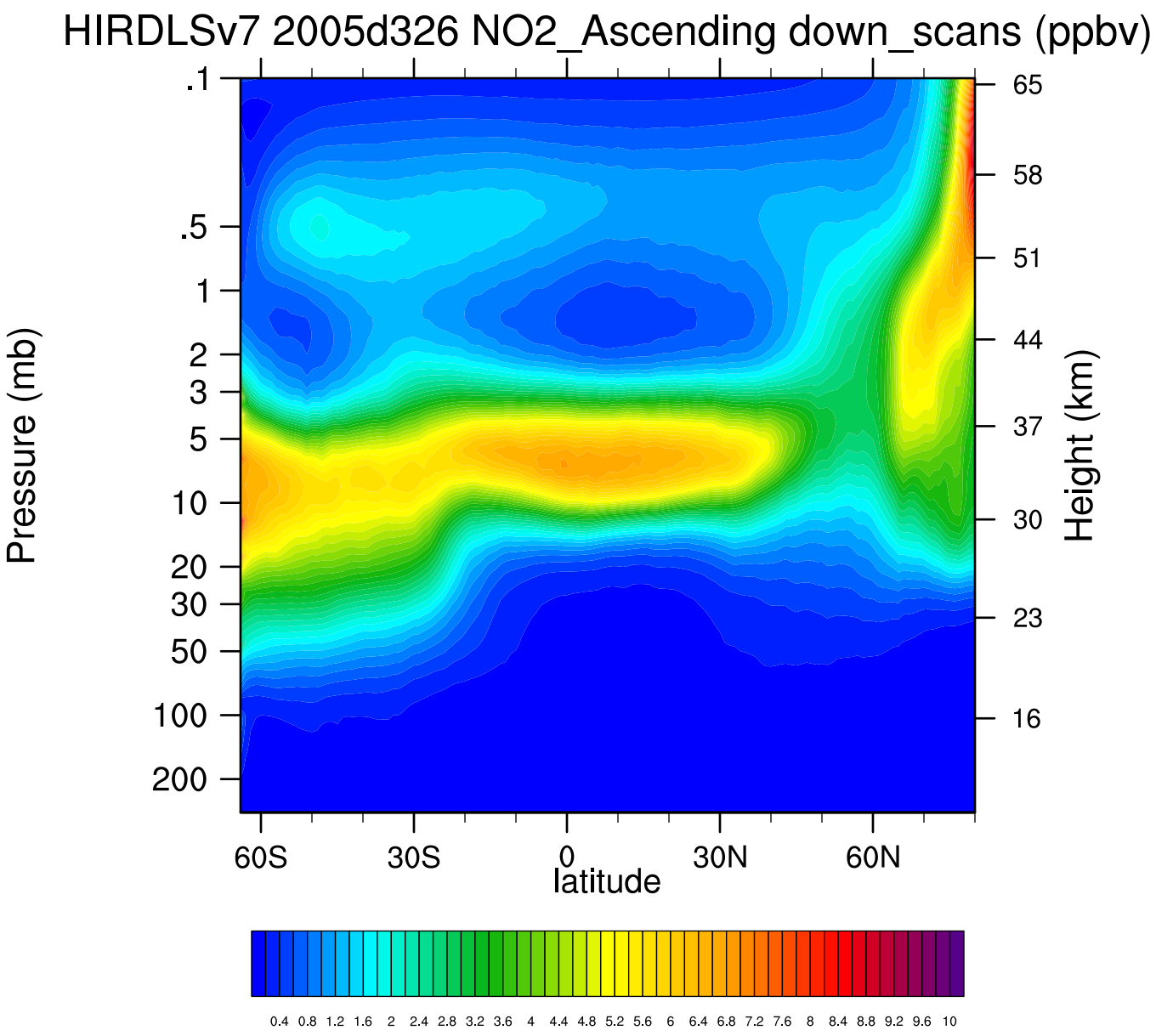

HIRDLSv7 2005d321 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

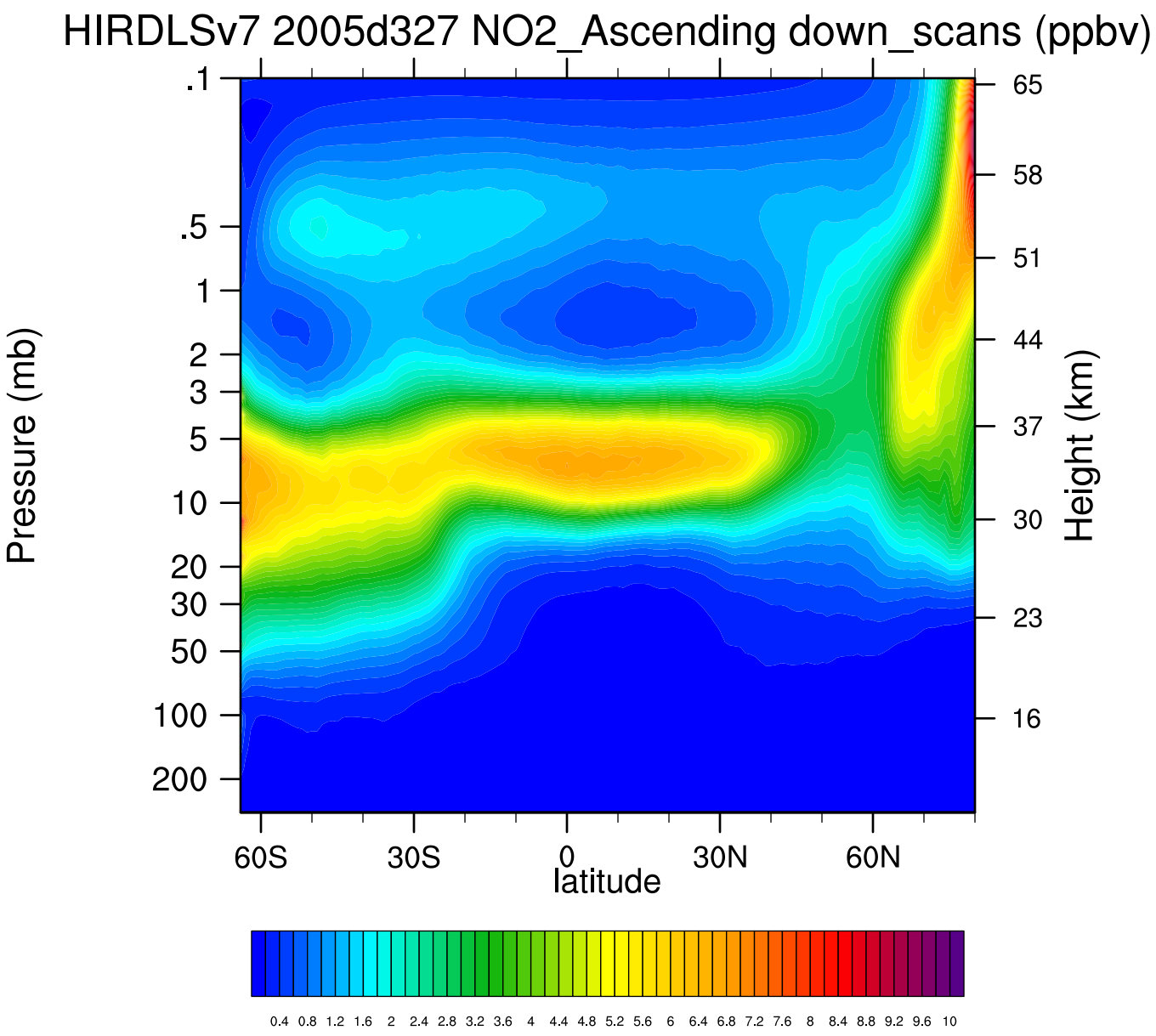

HIRDLSv7 2005d322 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

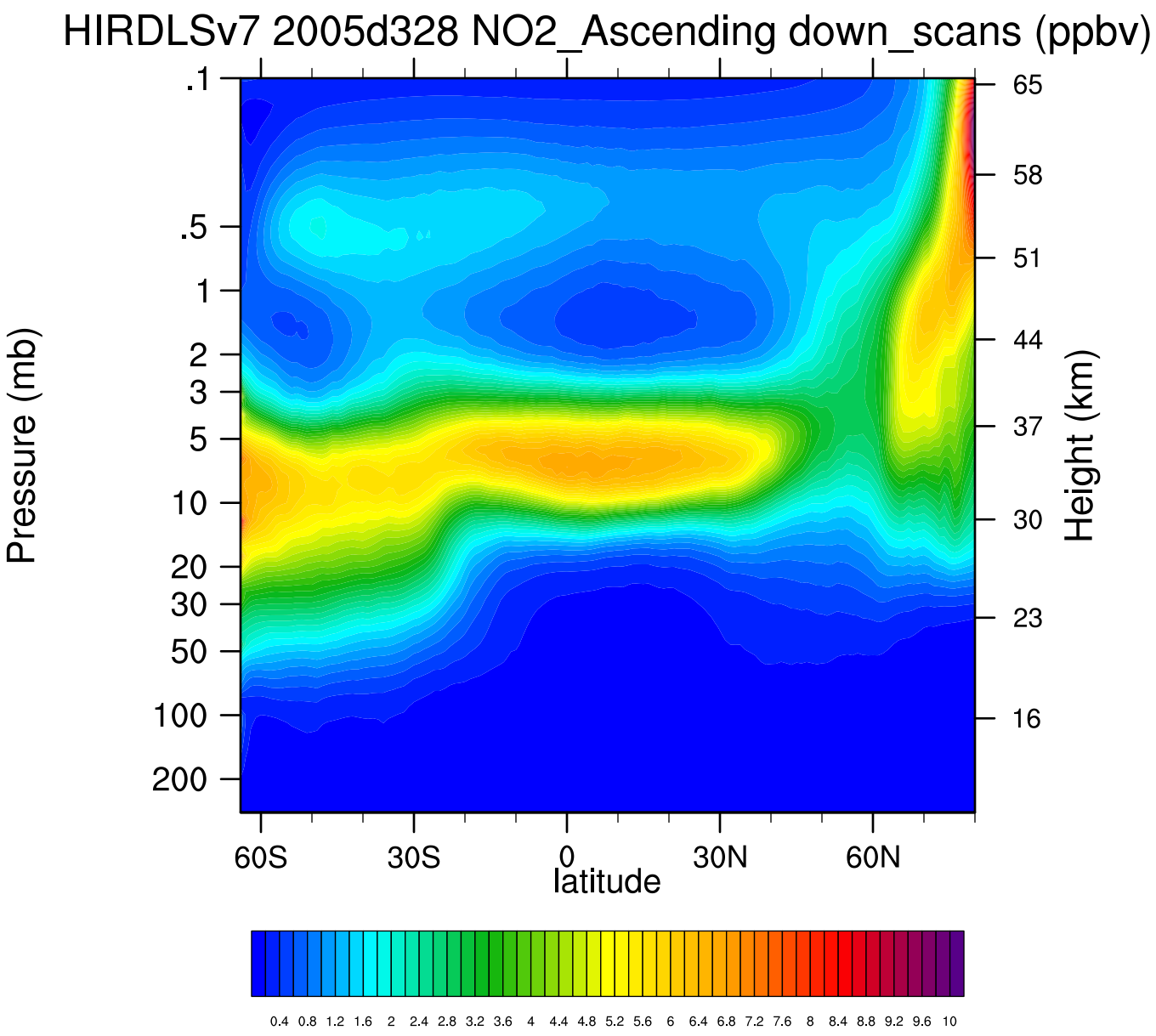

HIRDLSv7 2005d323 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

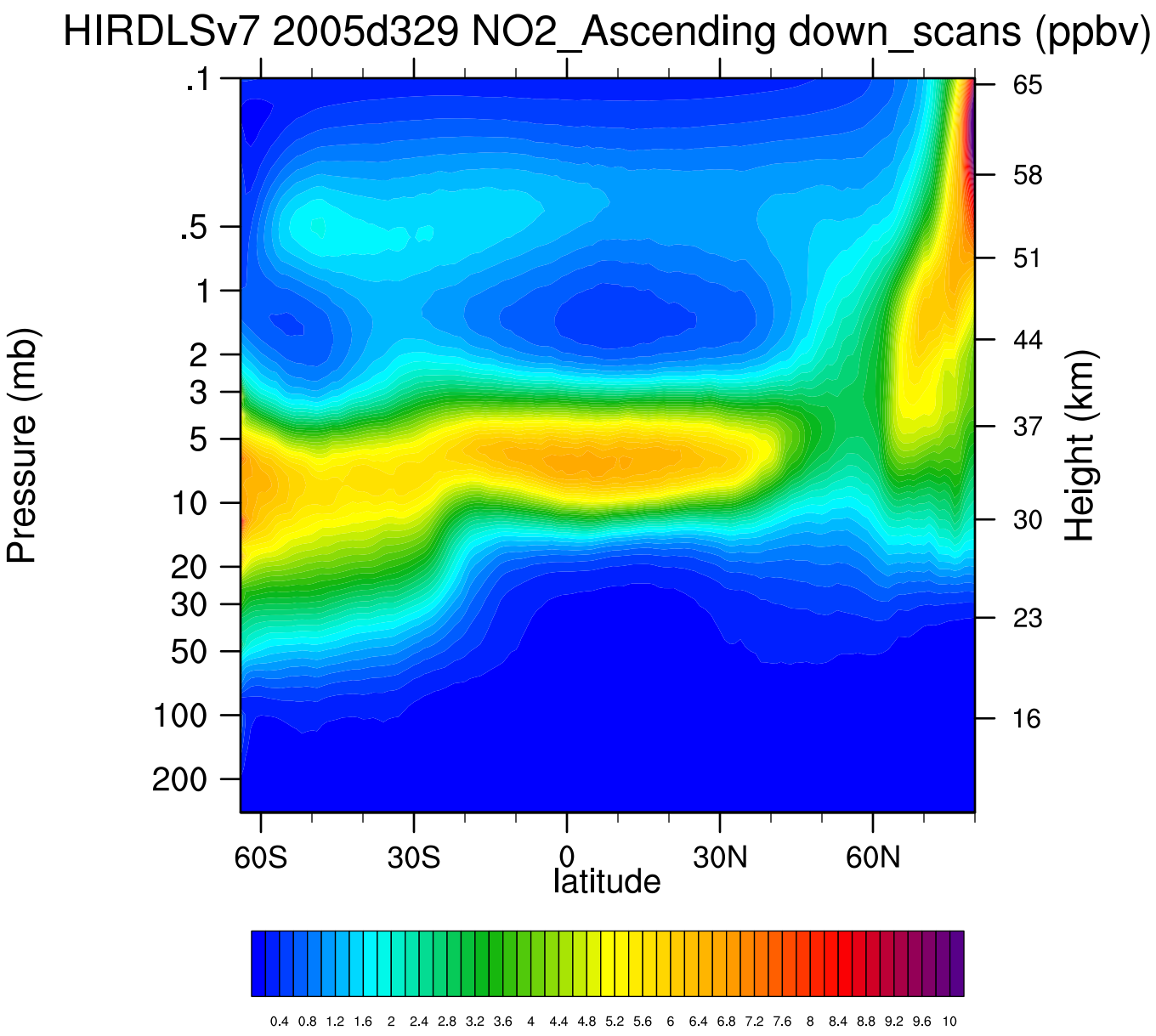

HIRDLSv7 2005d324 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

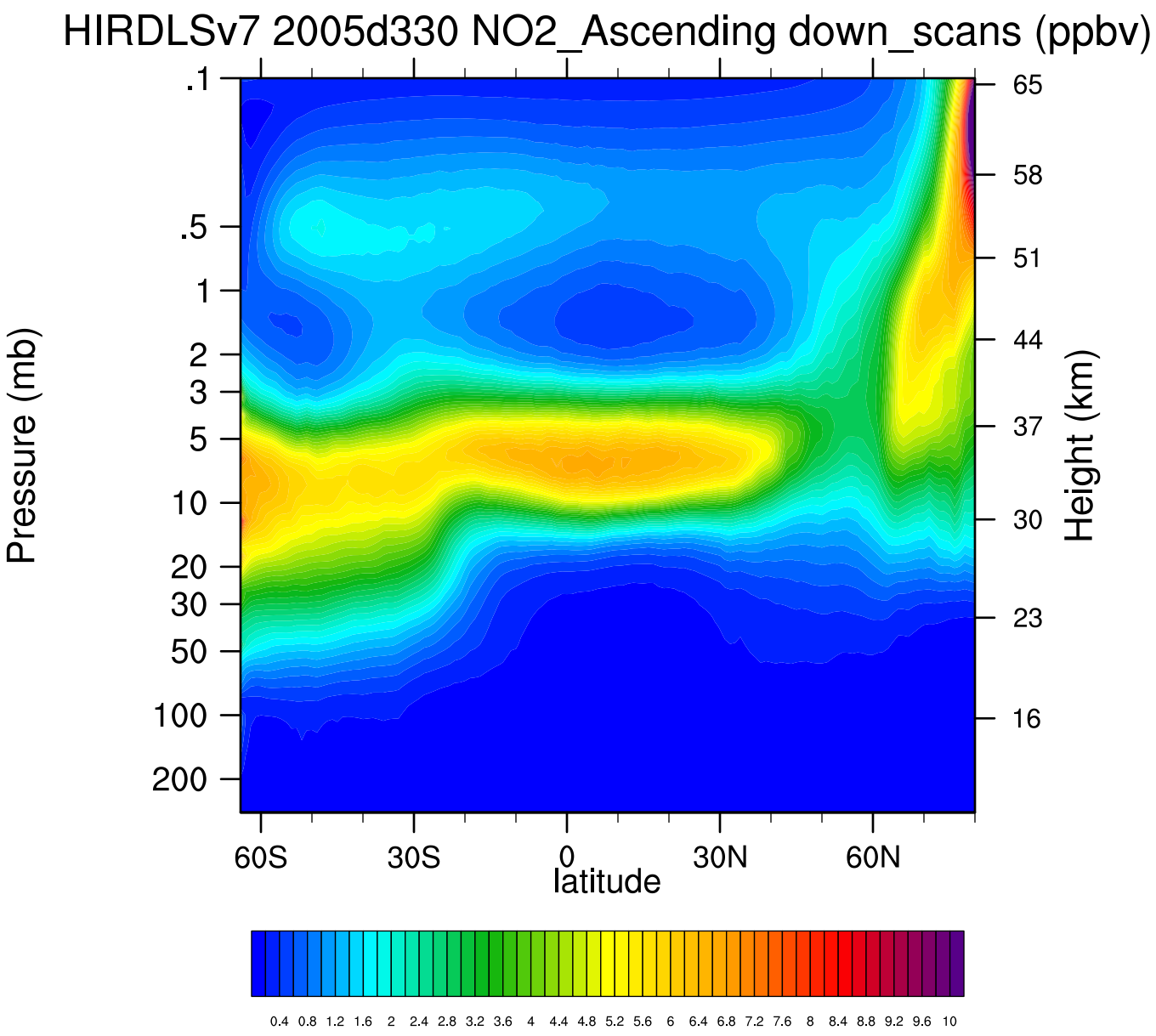

HIRDLSv7 2005d325 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

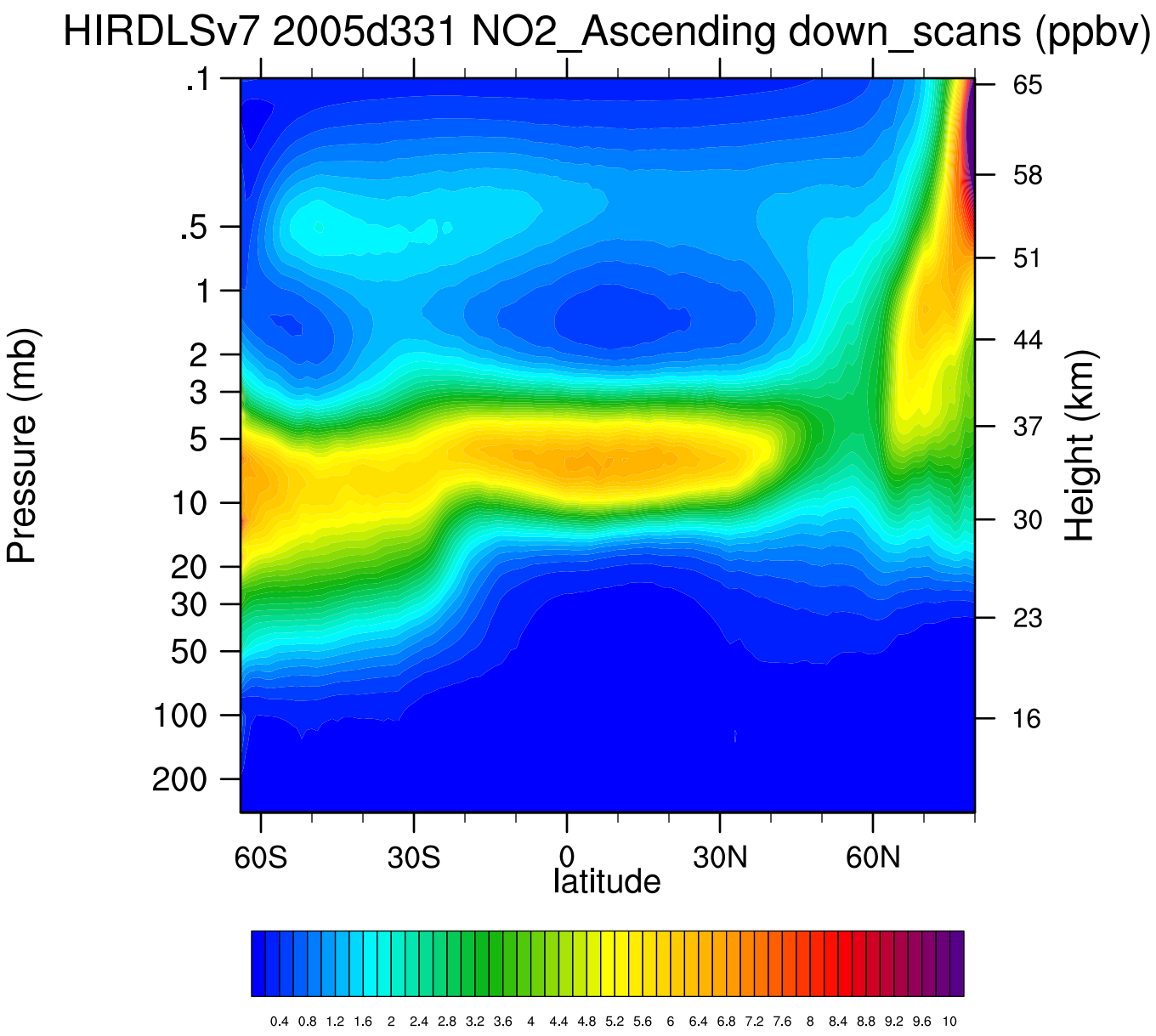

HIRDLSv7 2005d326 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

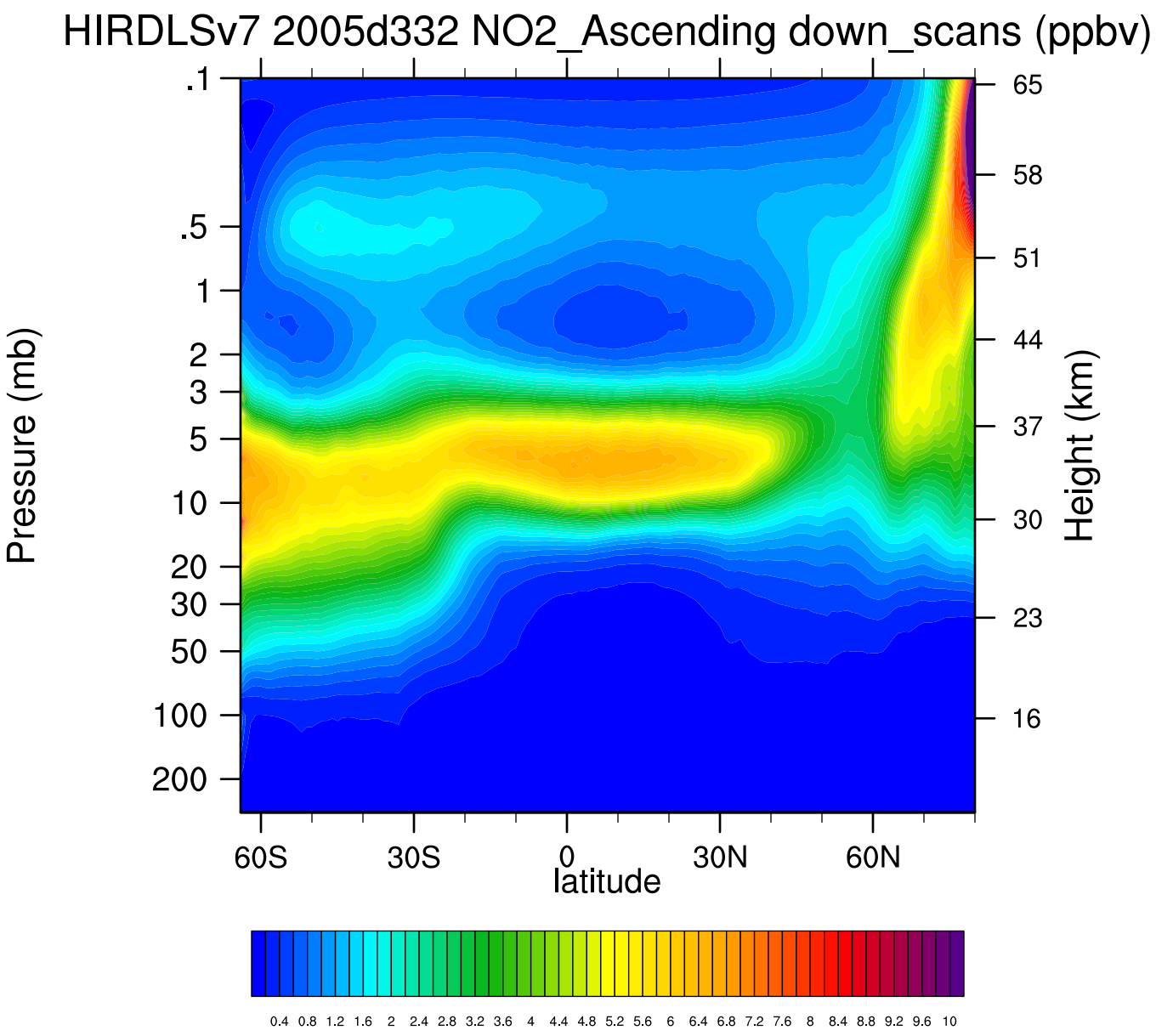

HIRDLSv7 2005d327 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

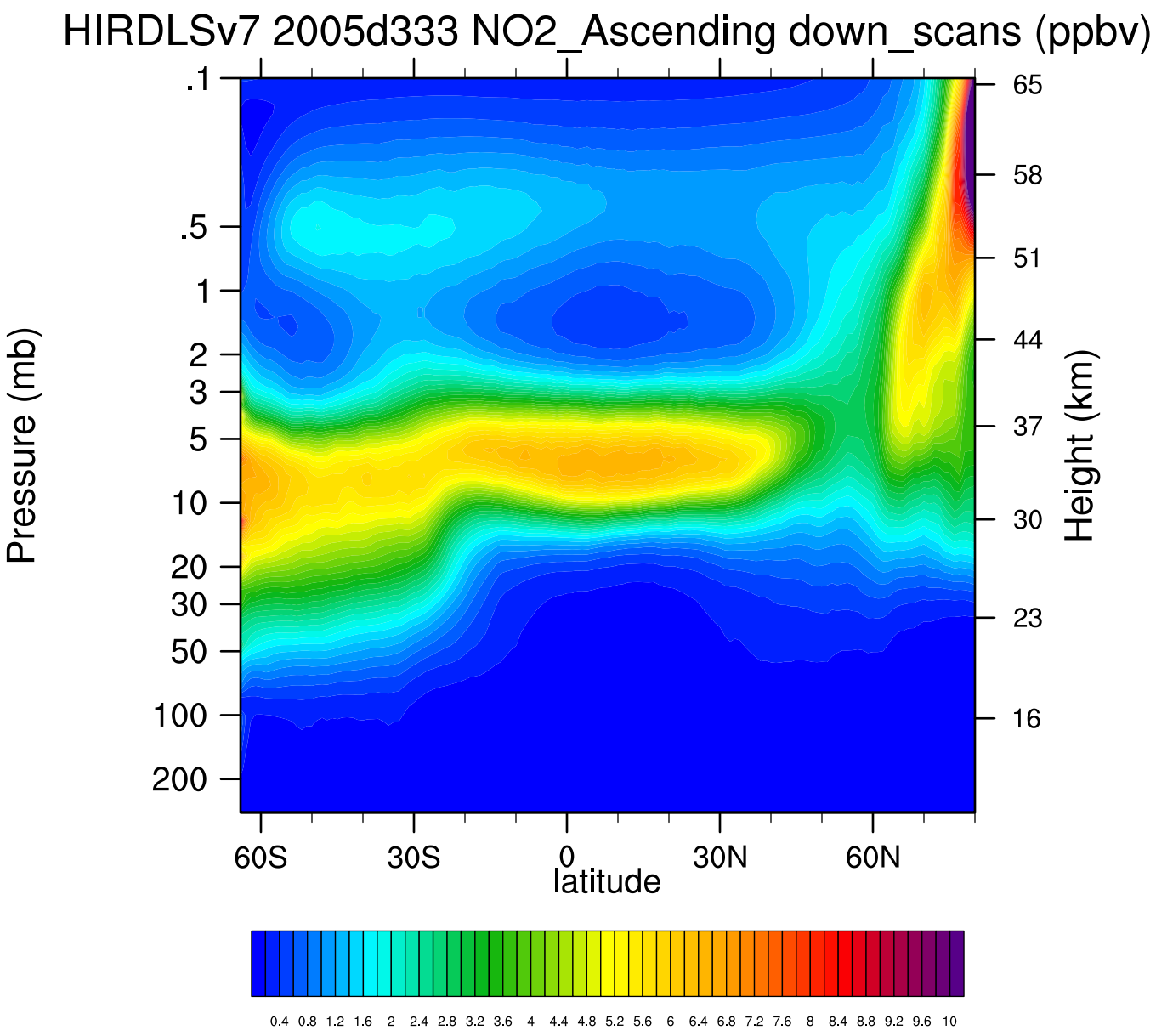

HIRDLSv7 2005d328 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

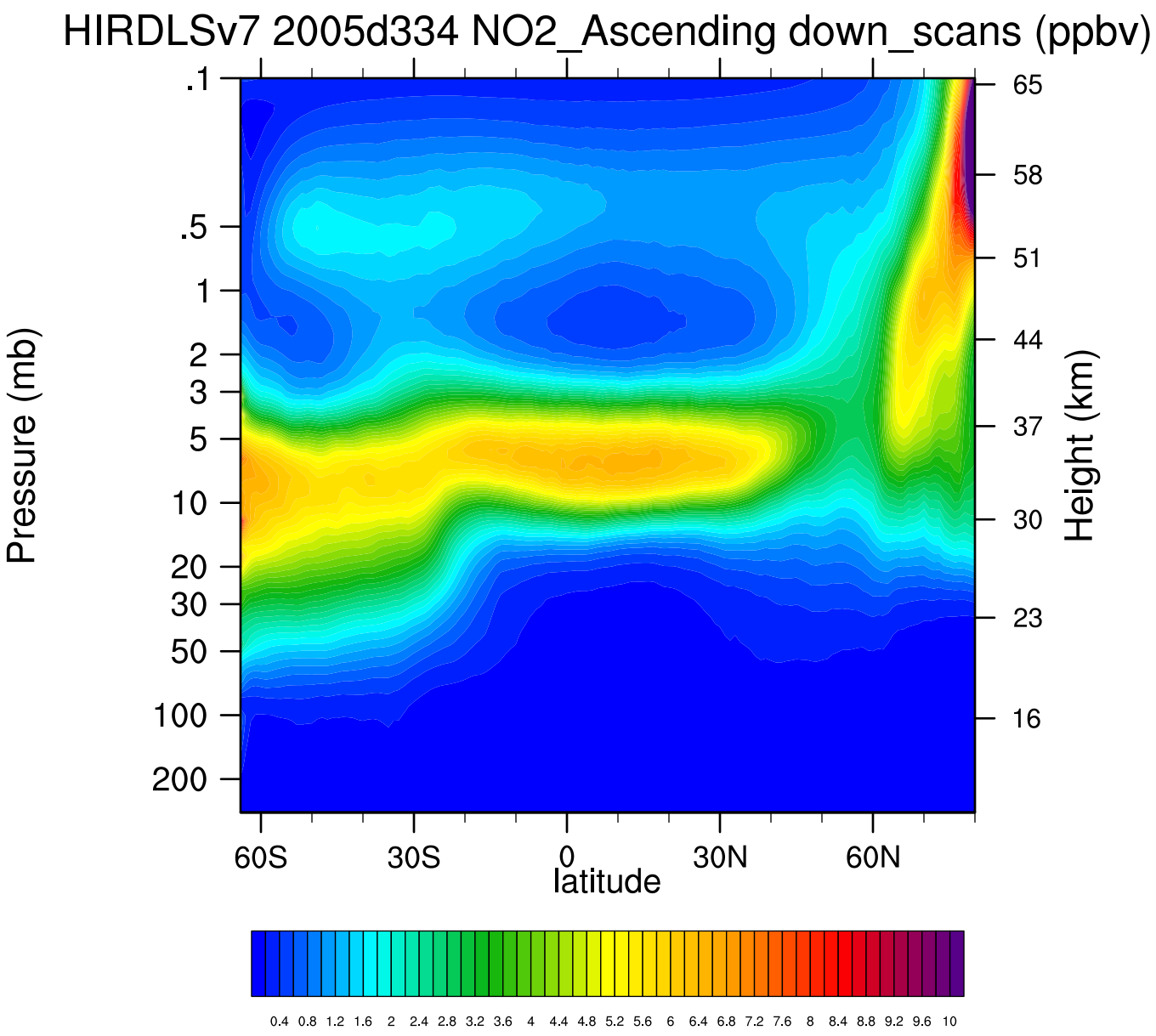

HIRDLSv7 2005d329 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

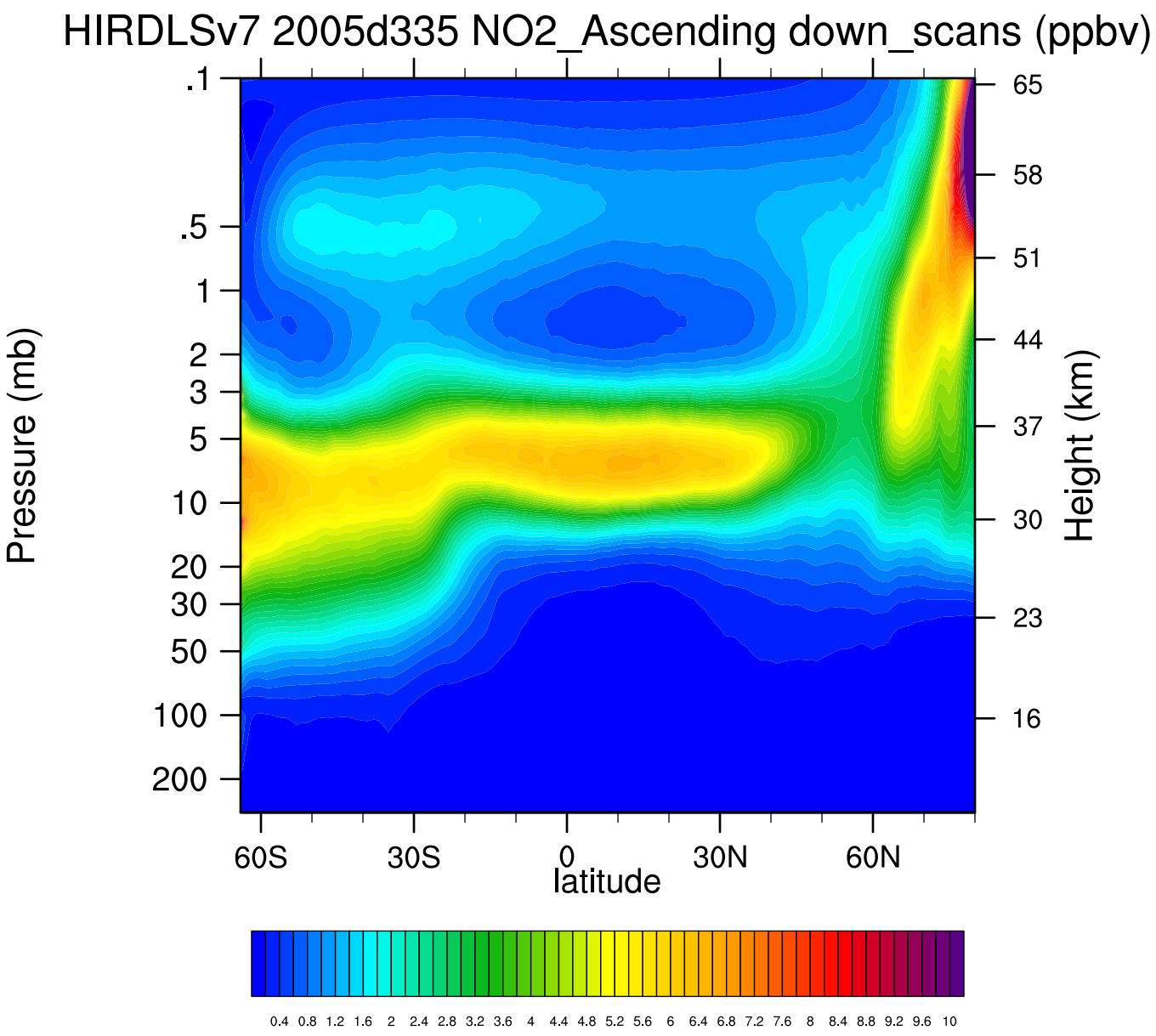

HIRDLSv7 2005d330 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

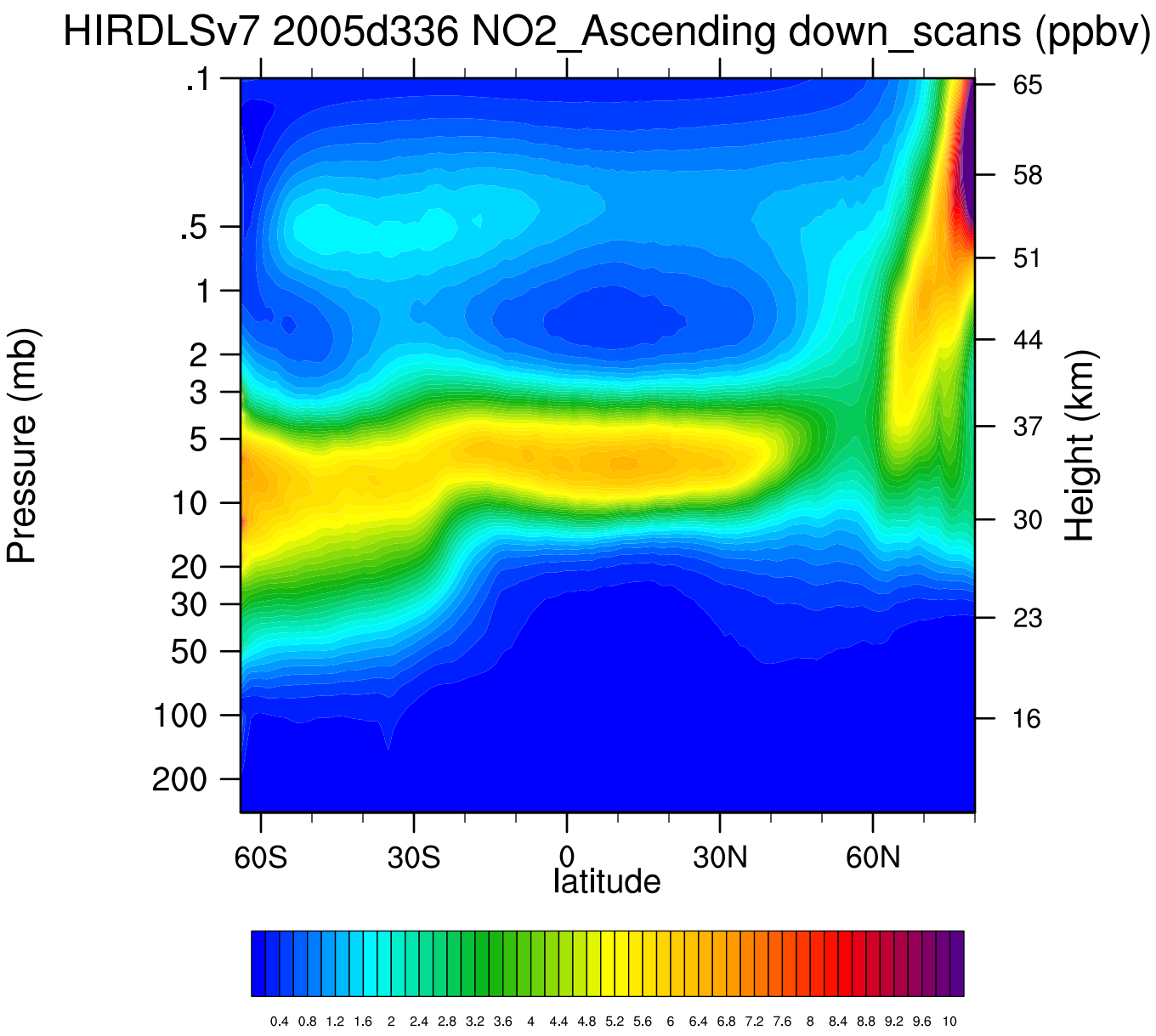

HIRDLSv7 2005d331 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

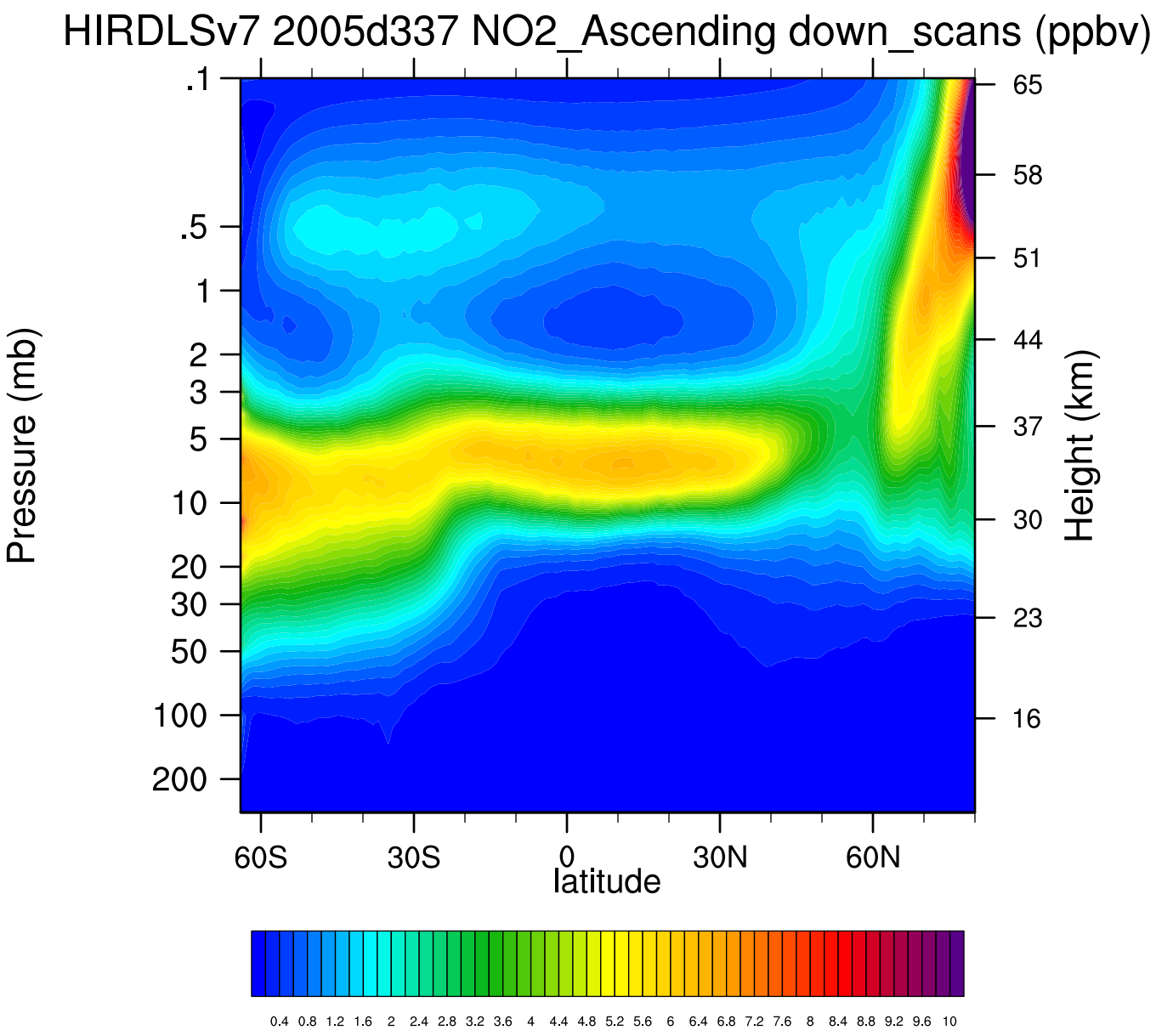

HIRDLSv7 2005d332 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

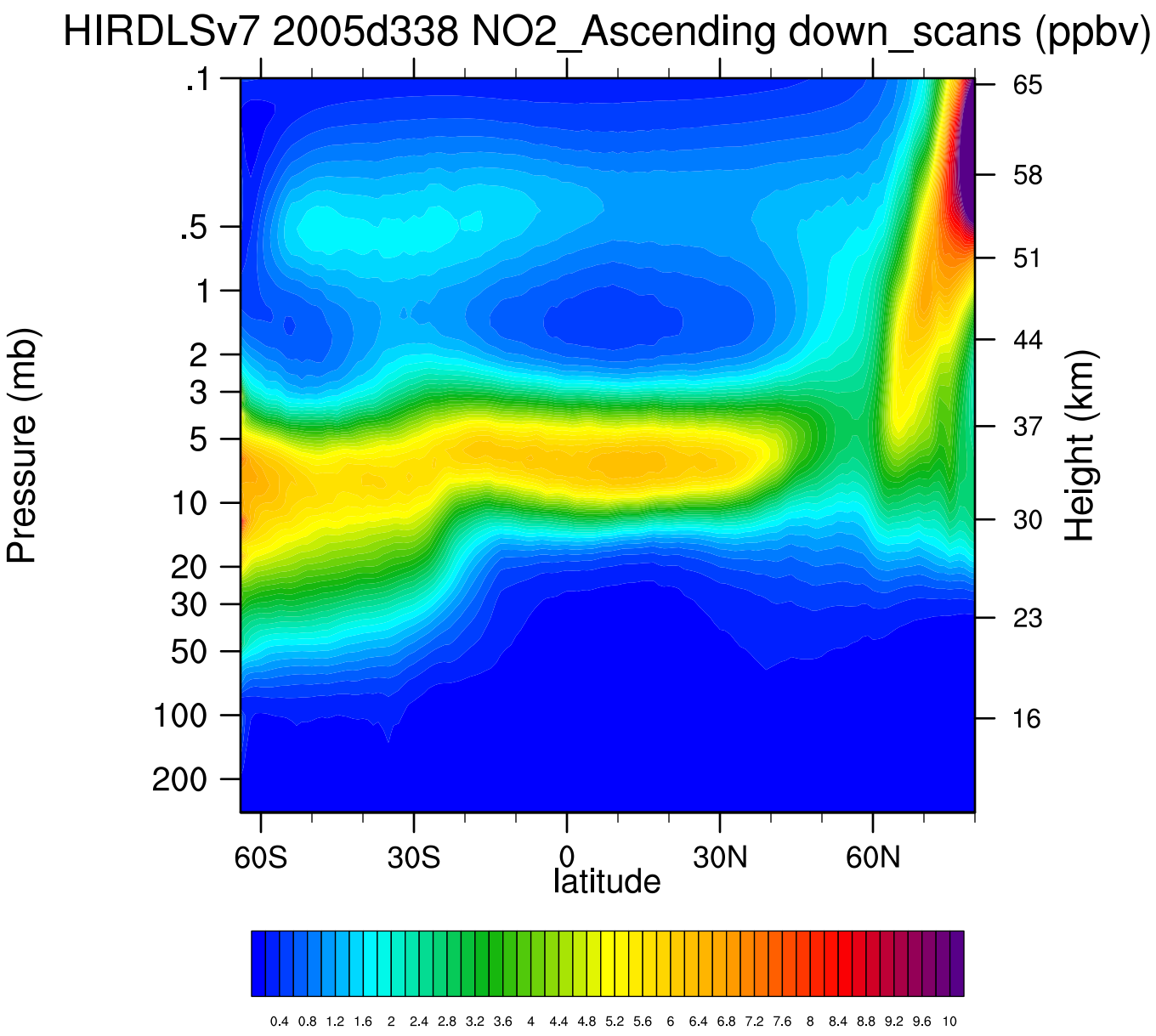

HIRDLSv7 2005d333 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

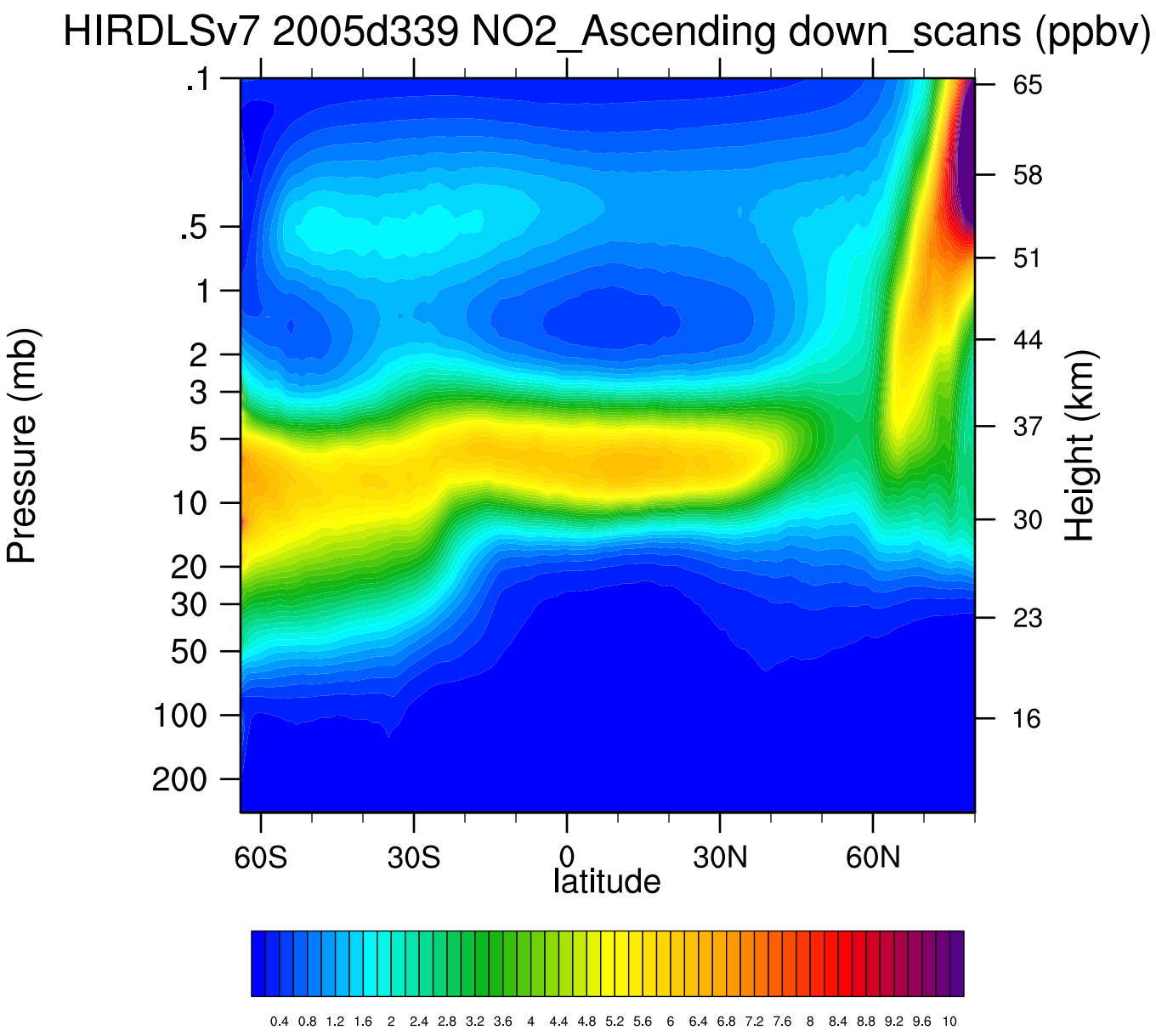

HIRDLSv7 2005d334 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

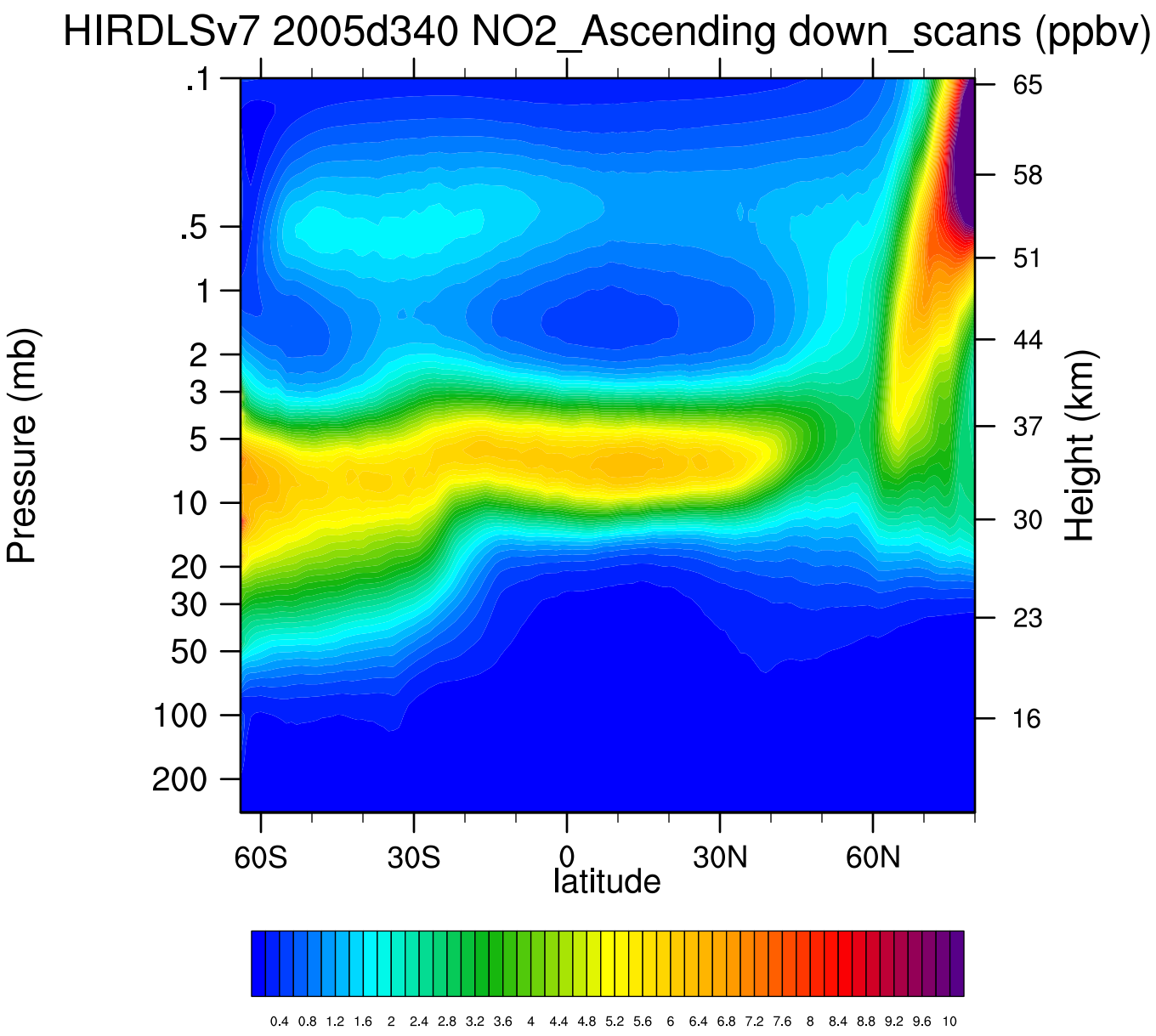

HIRDLSv7 2005d335 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

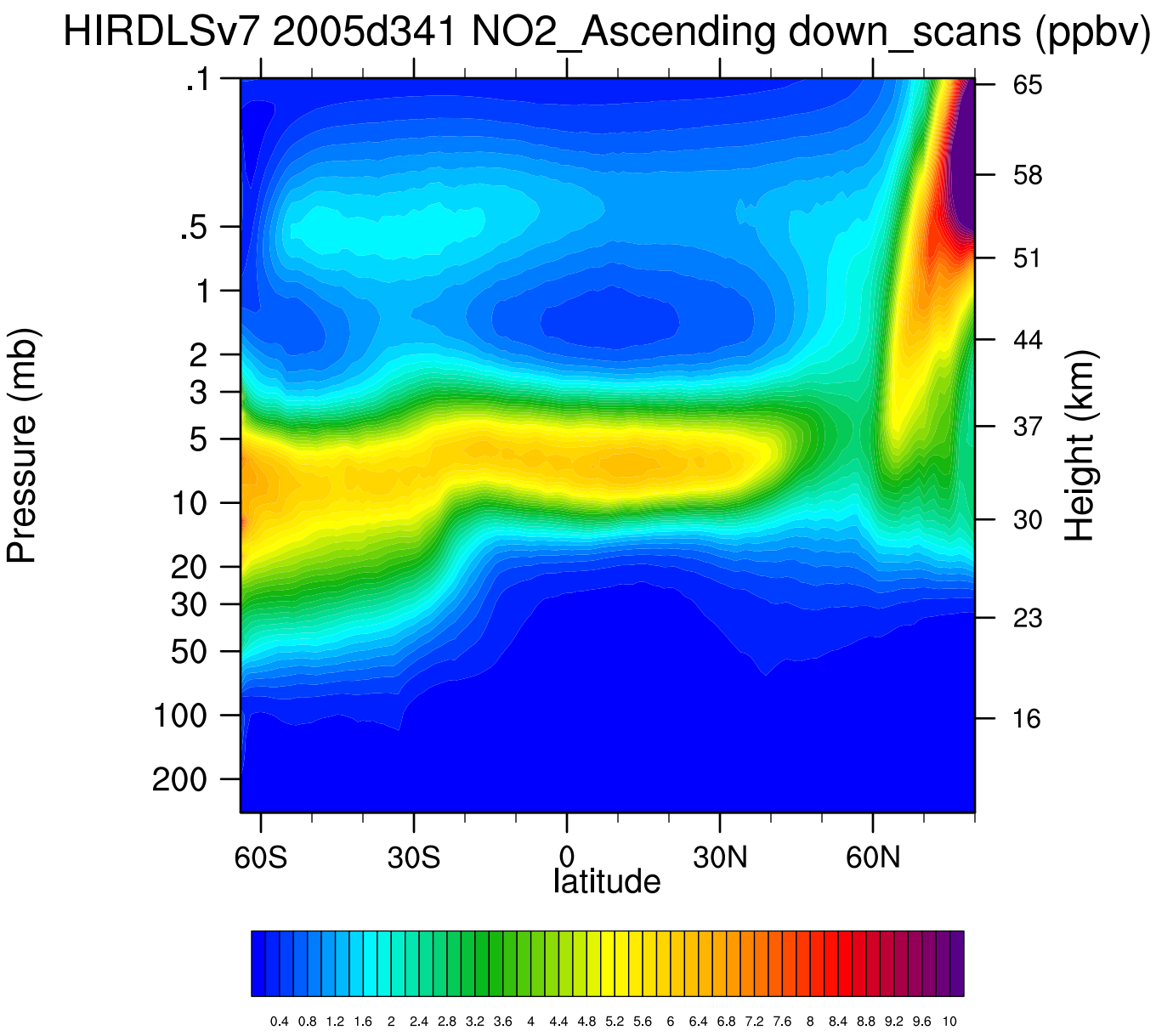

HIRDLSv7 2005d336 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

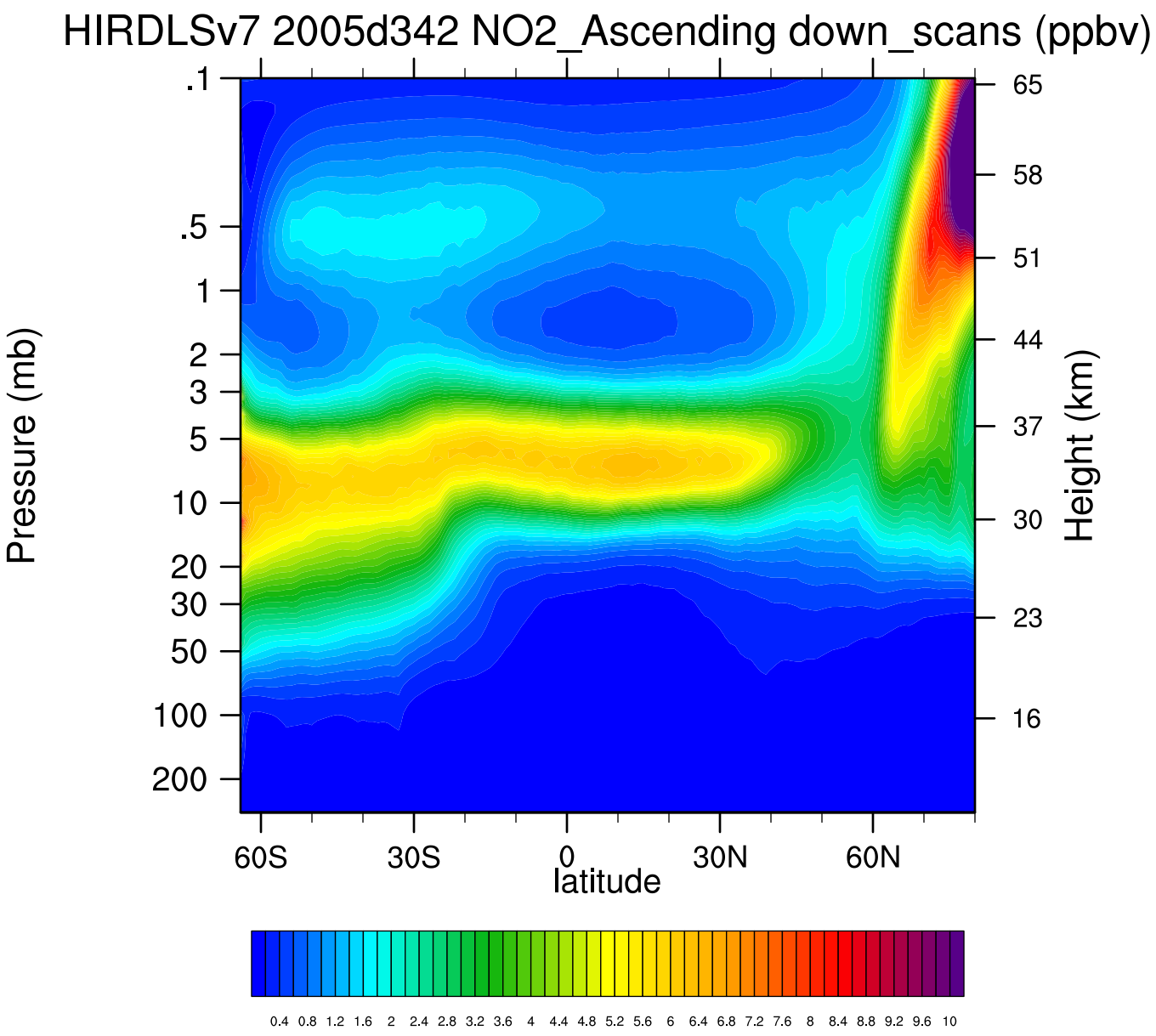

HIRDLSv7 2005d337 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

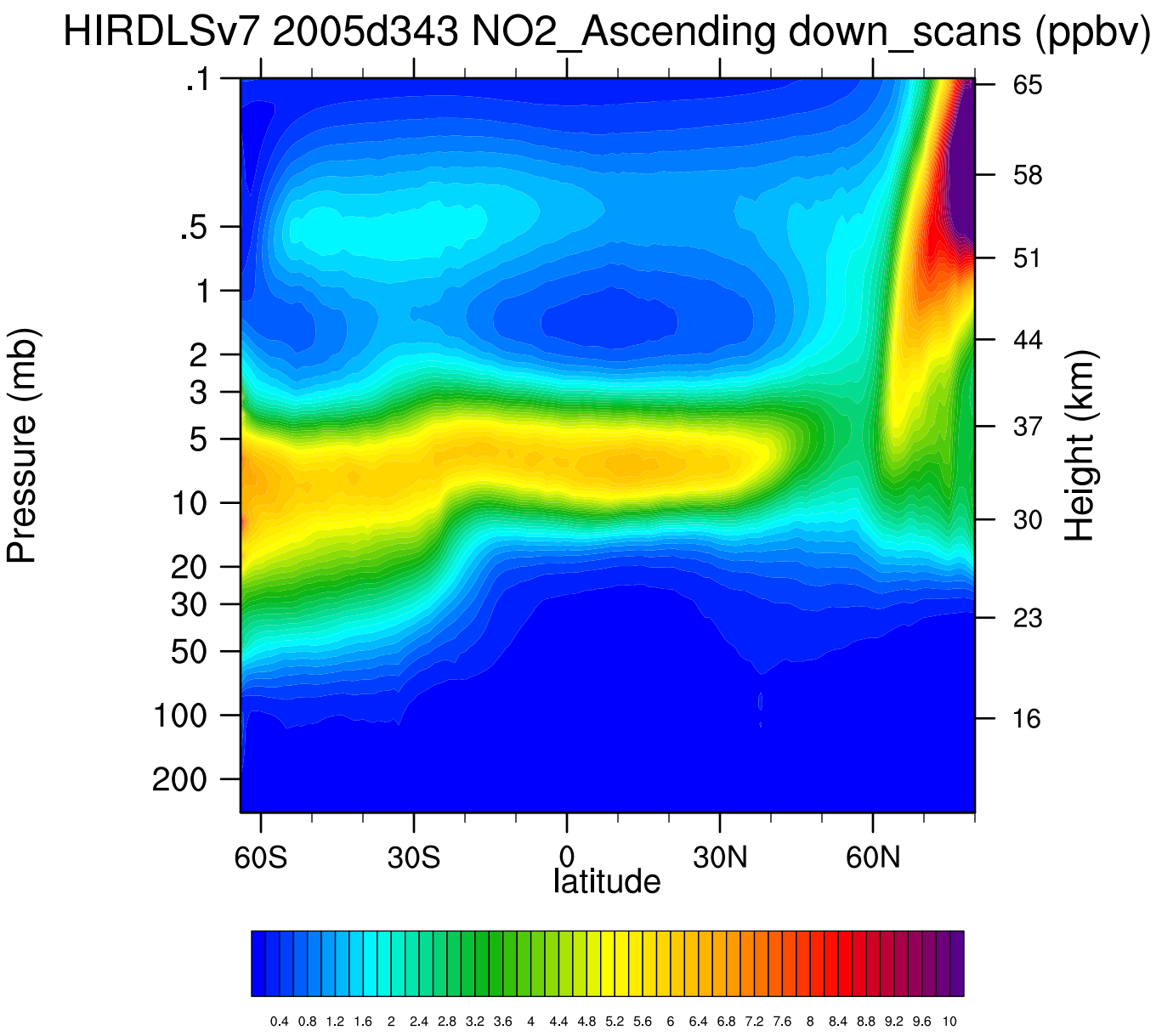

HIRDLSv7 2005d338 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

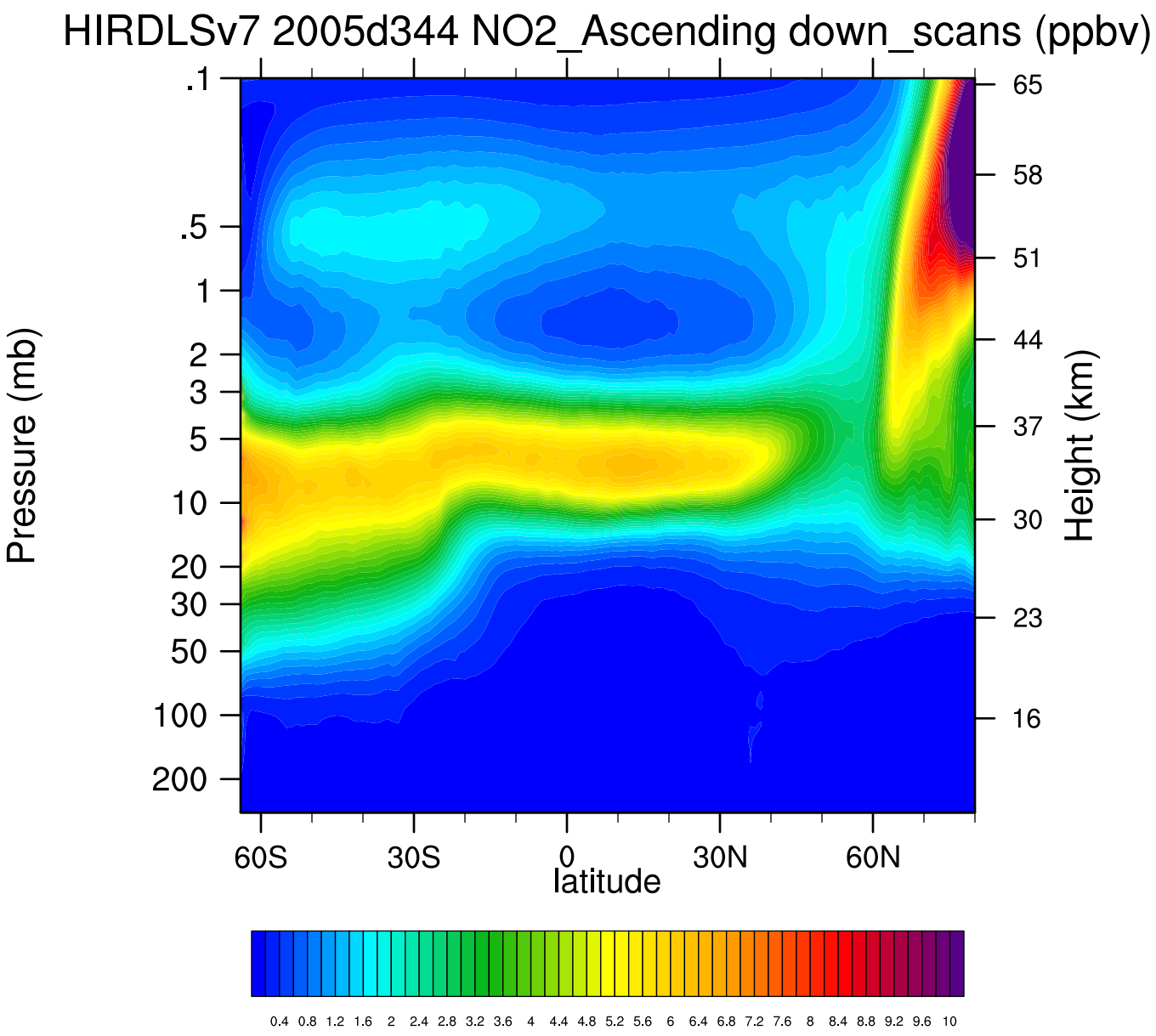

HIRDLSv7 2005d339 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

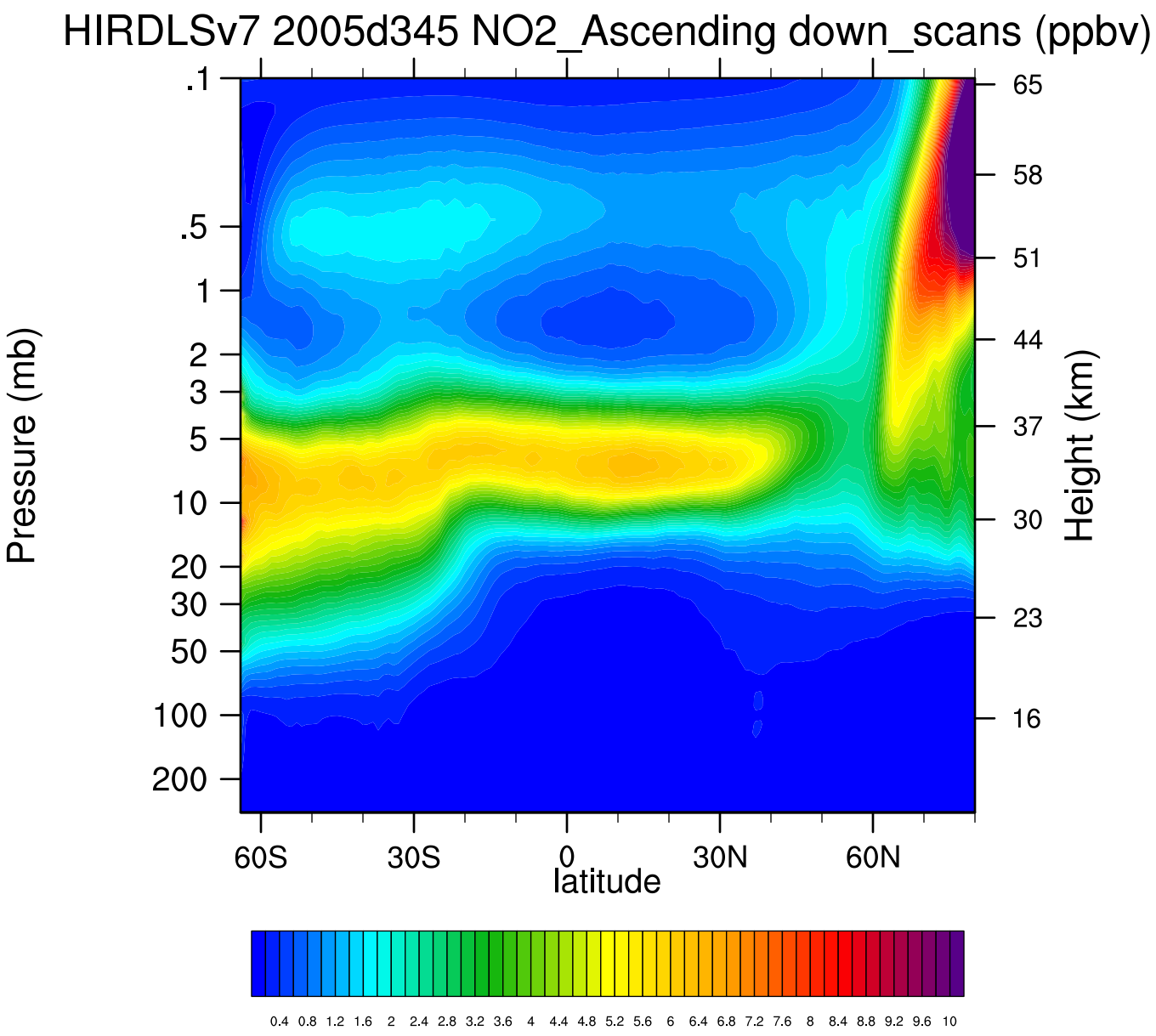

HIRDLSv7 2005d340 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

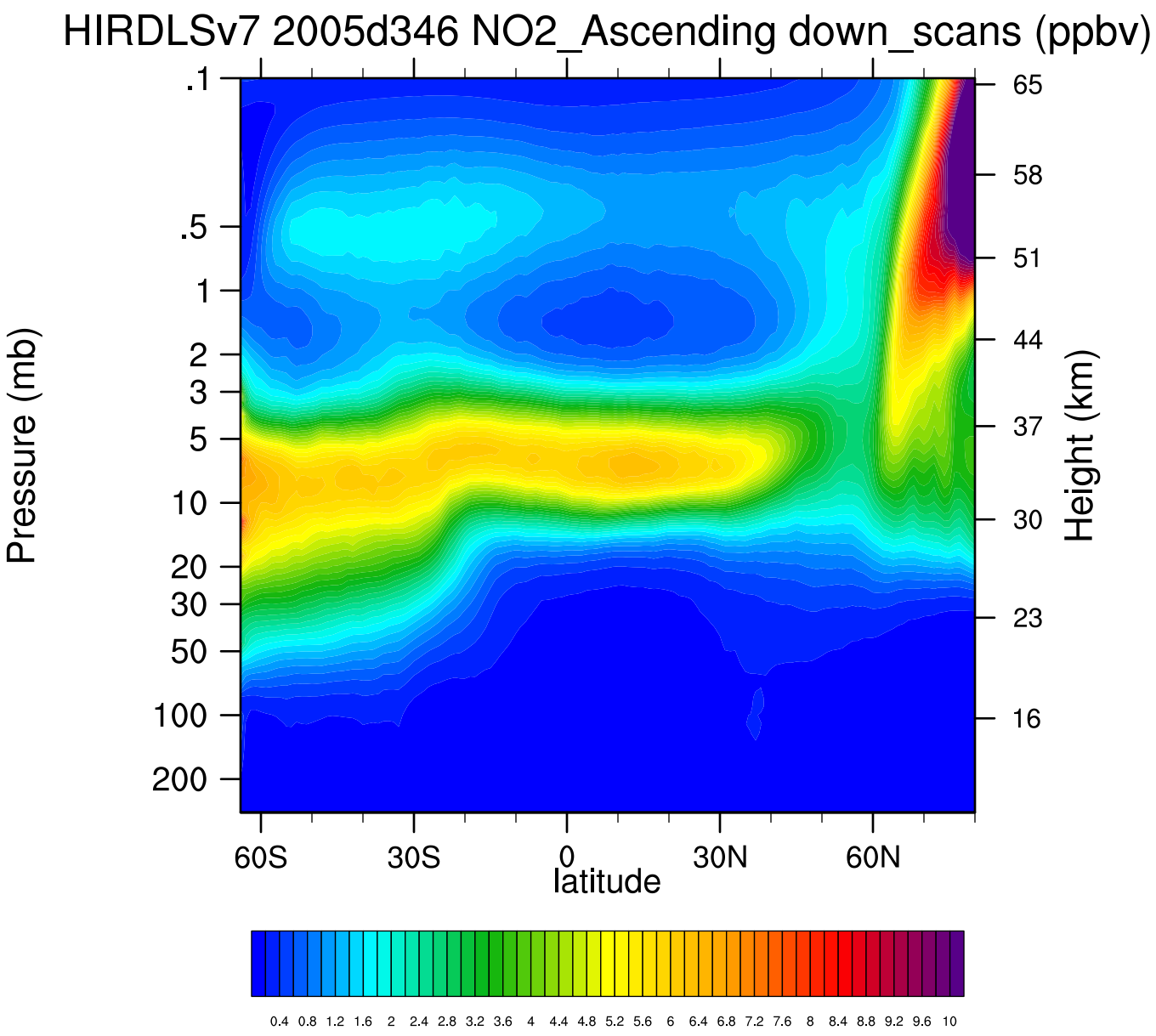

HIRDLSv7 2005d341 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

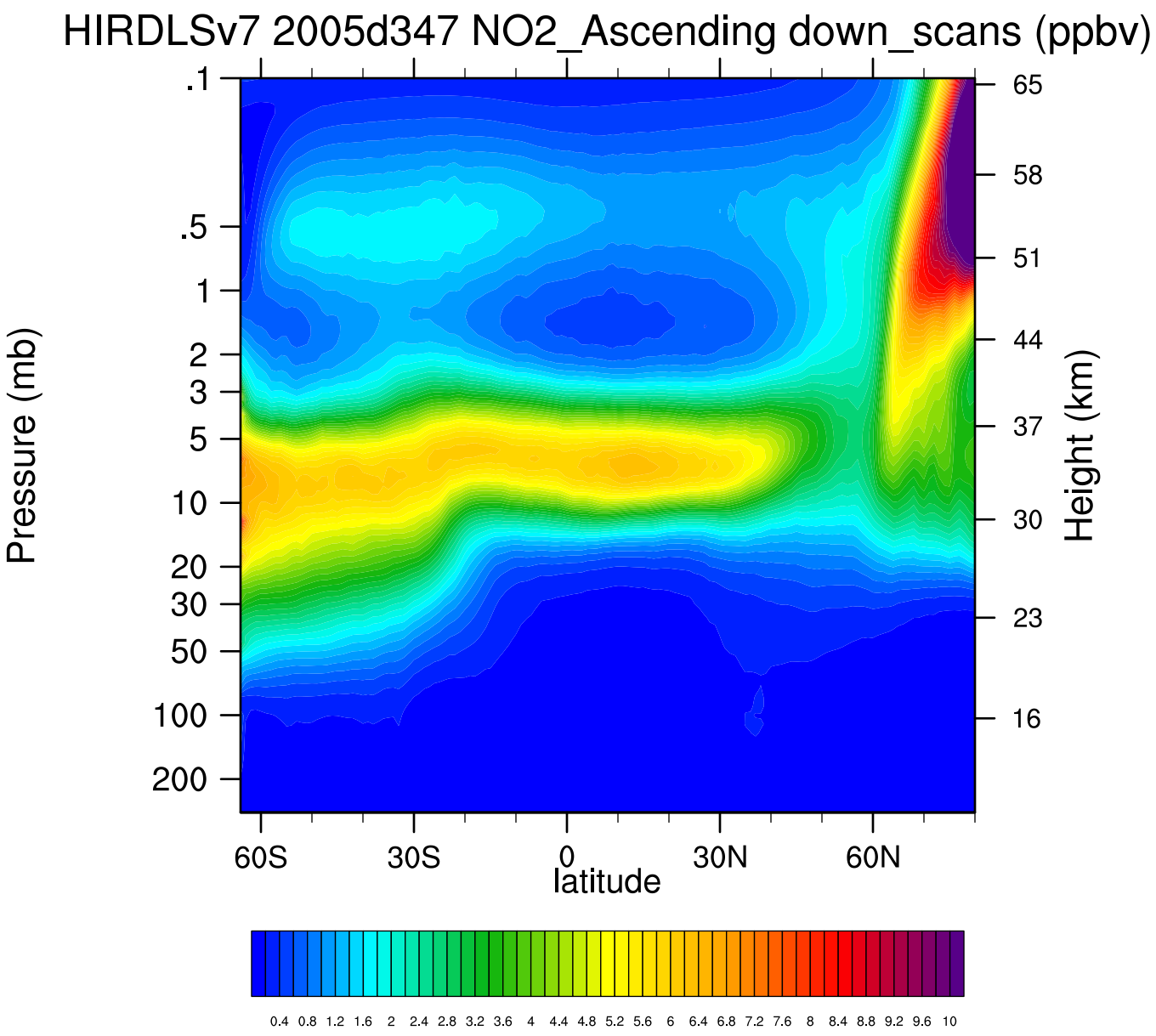

HIRDLSv7 2005d342 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

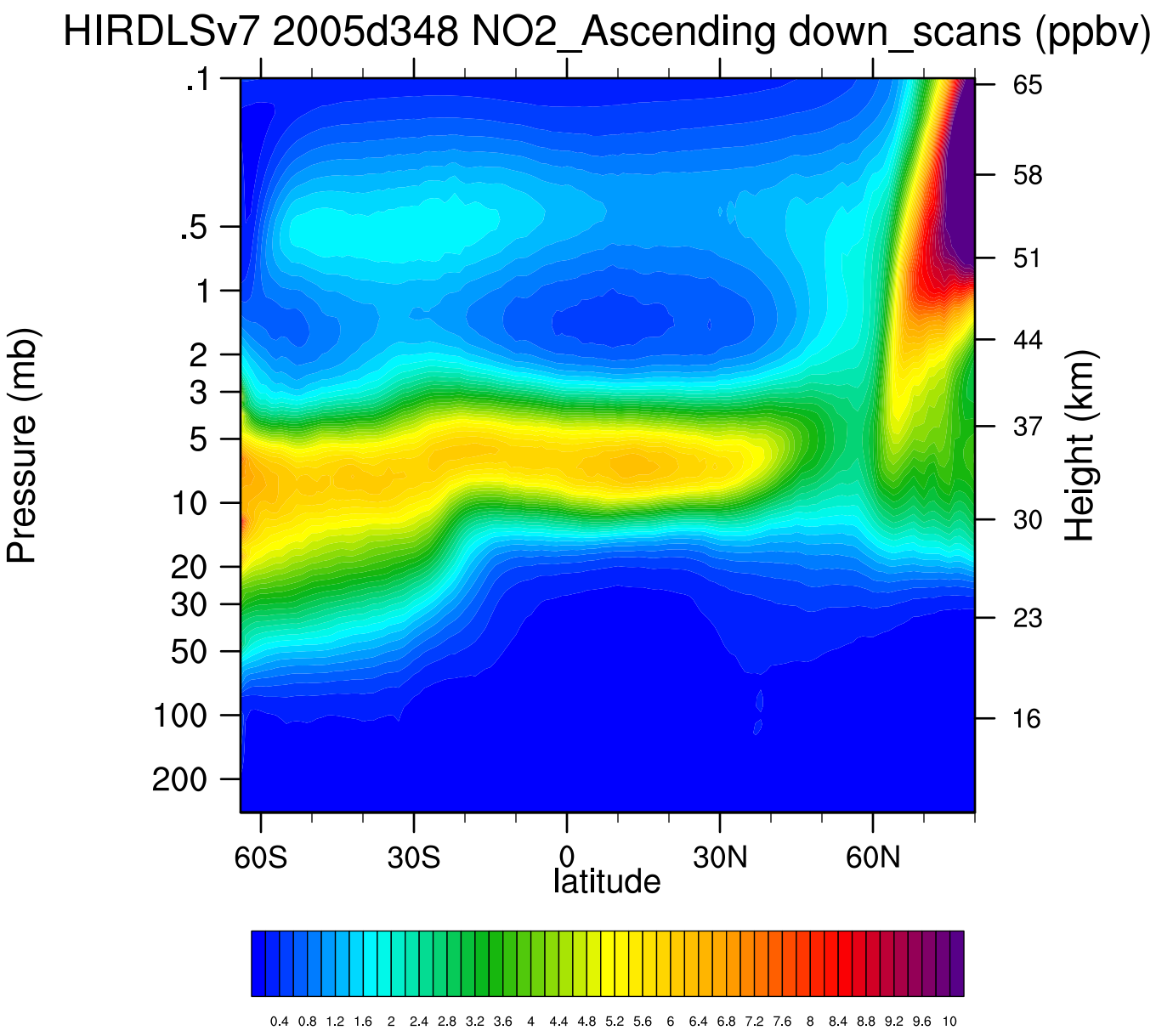

HIRDLSv7 2005d343 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

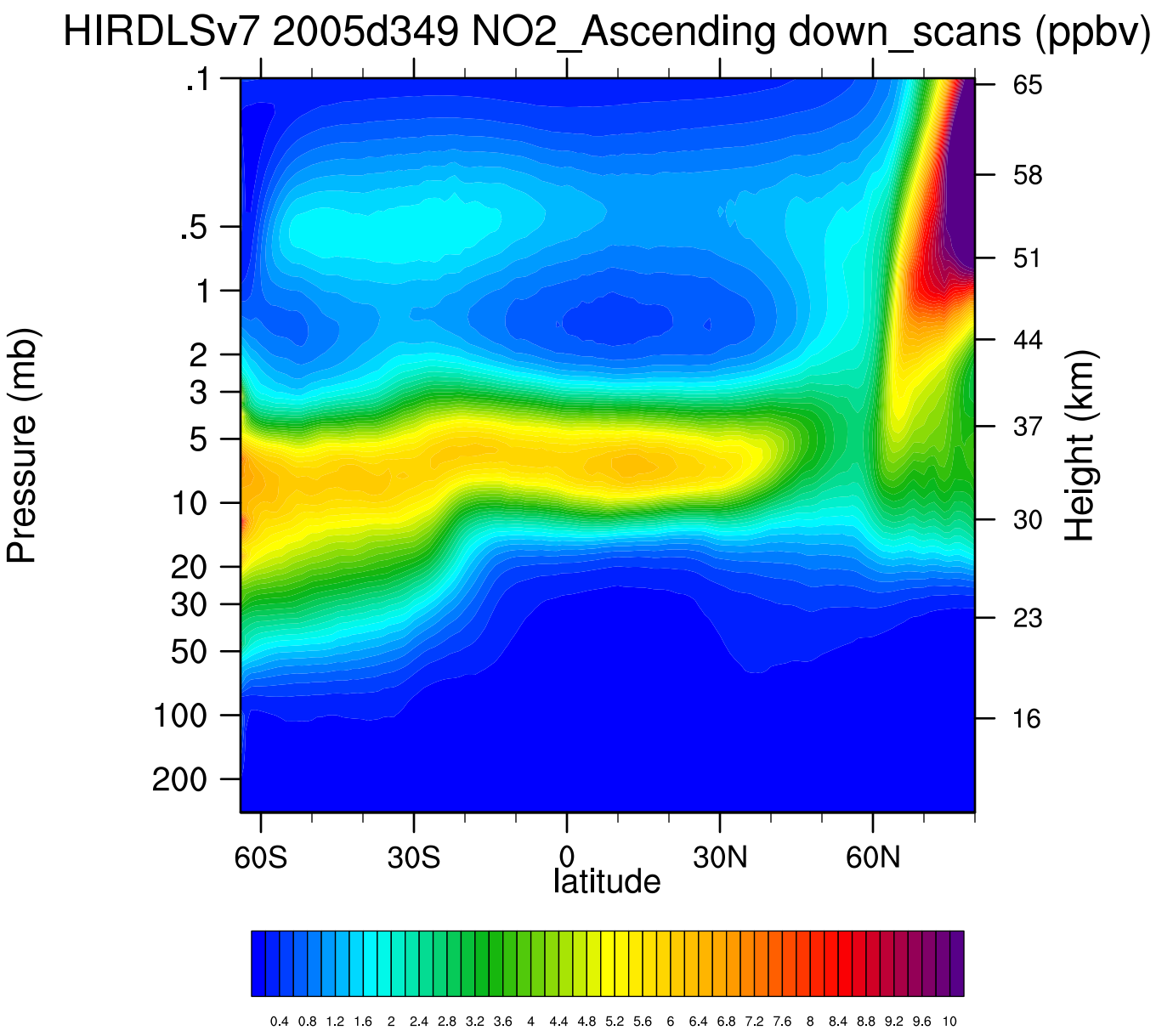

HIRDLSv7 2005d344 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

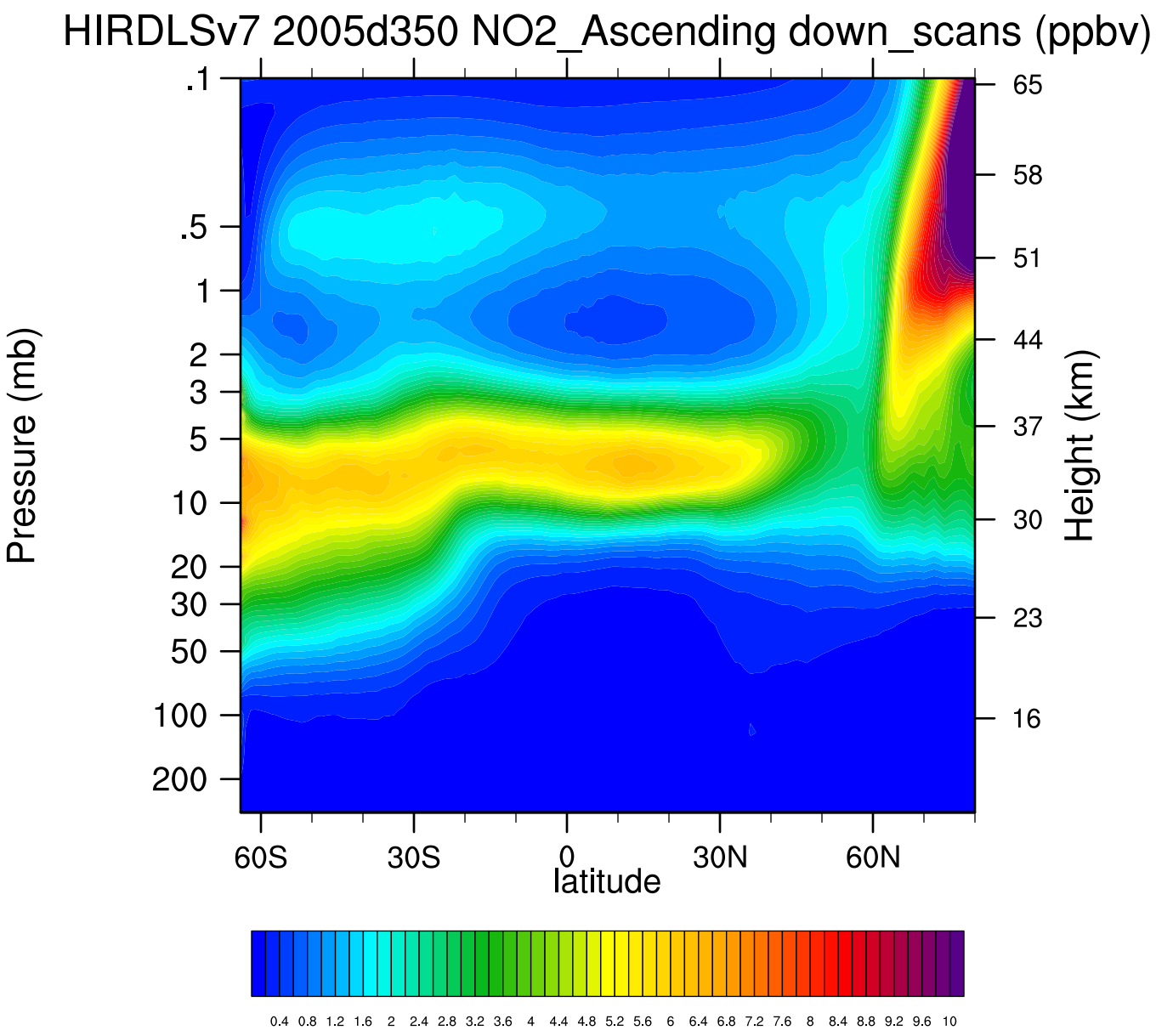

HIRDLSv7 2005d345 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

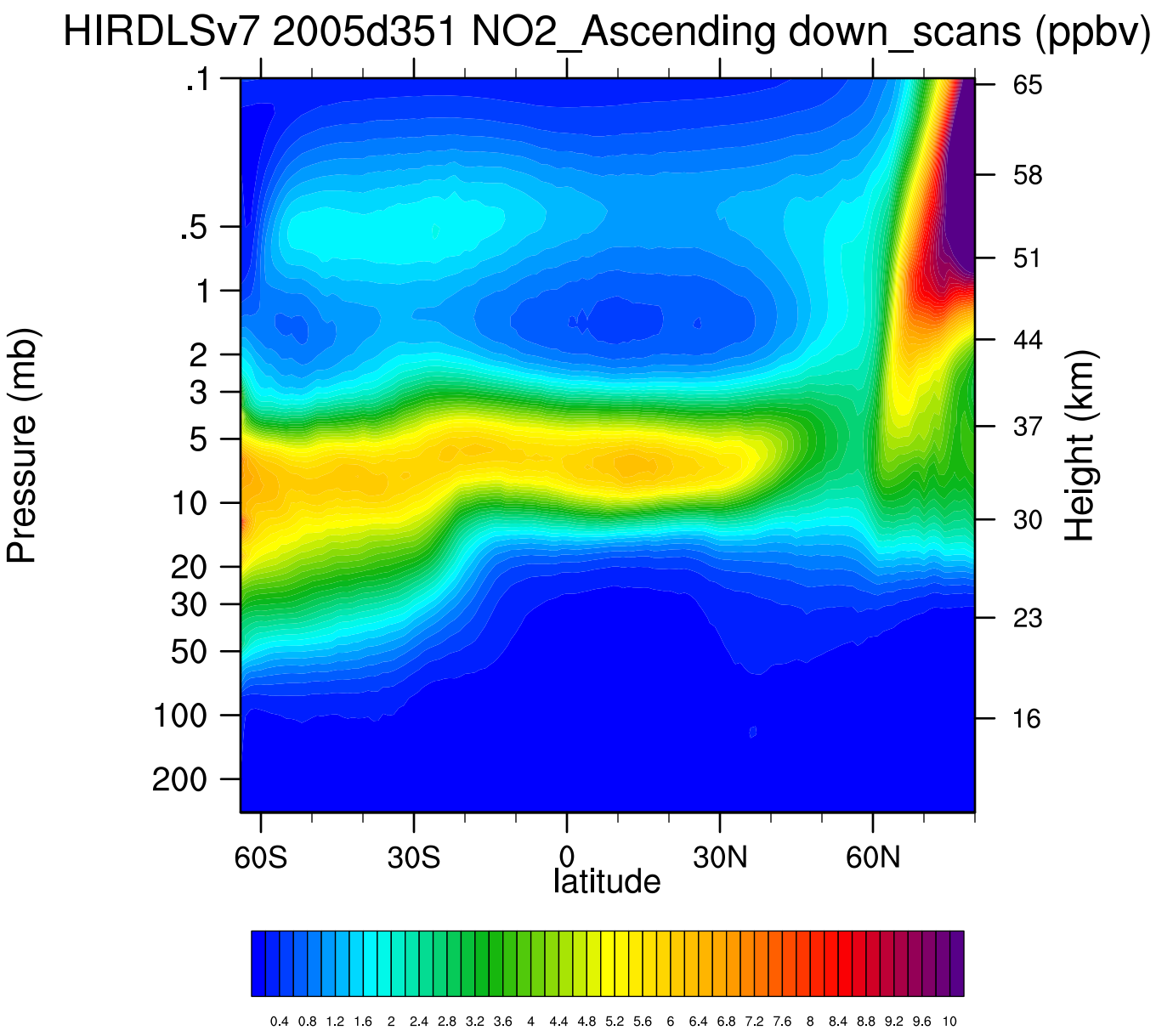

HIRDLSv7 2005d346 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

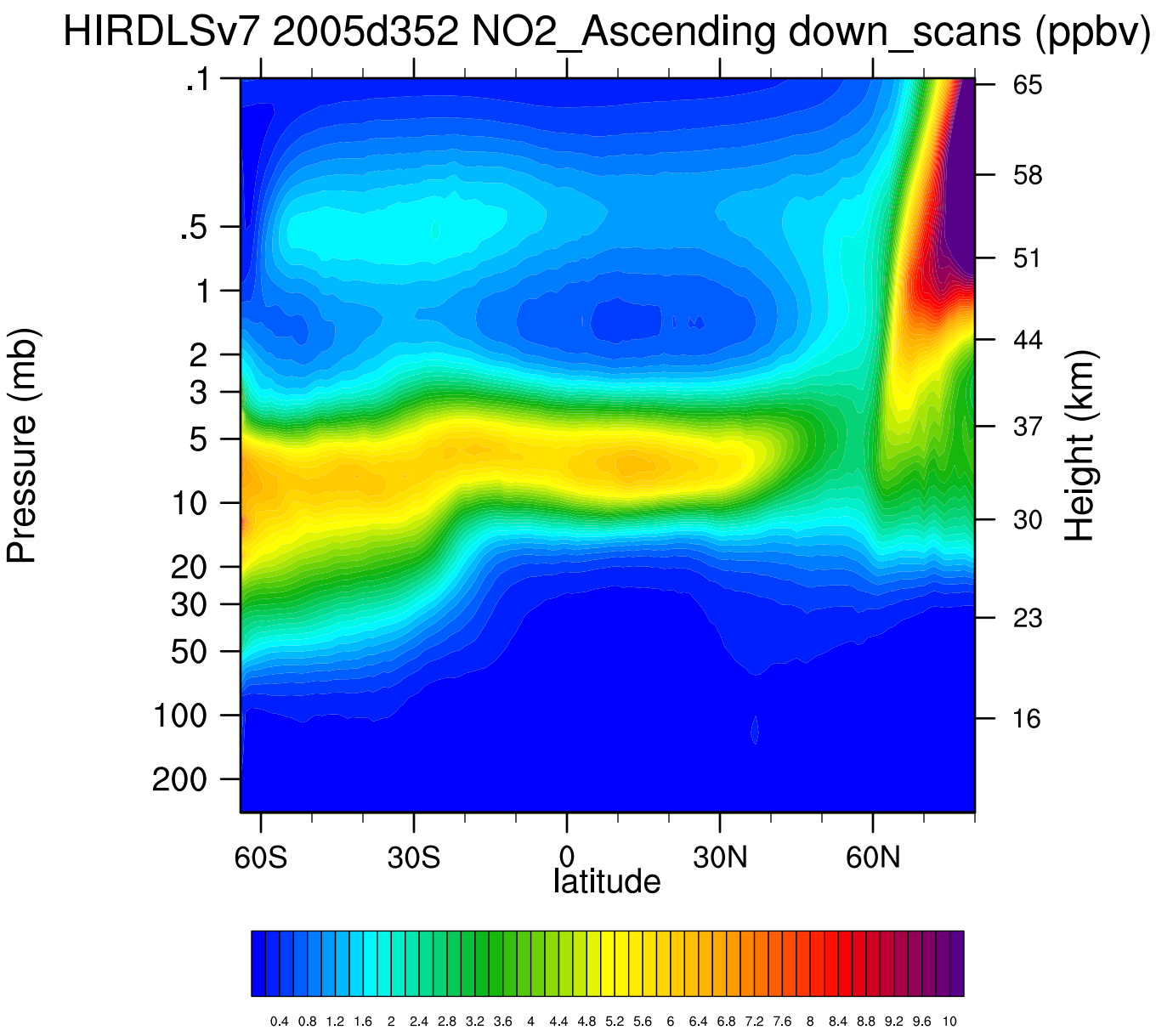

HIRDLSv7 2005d347 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

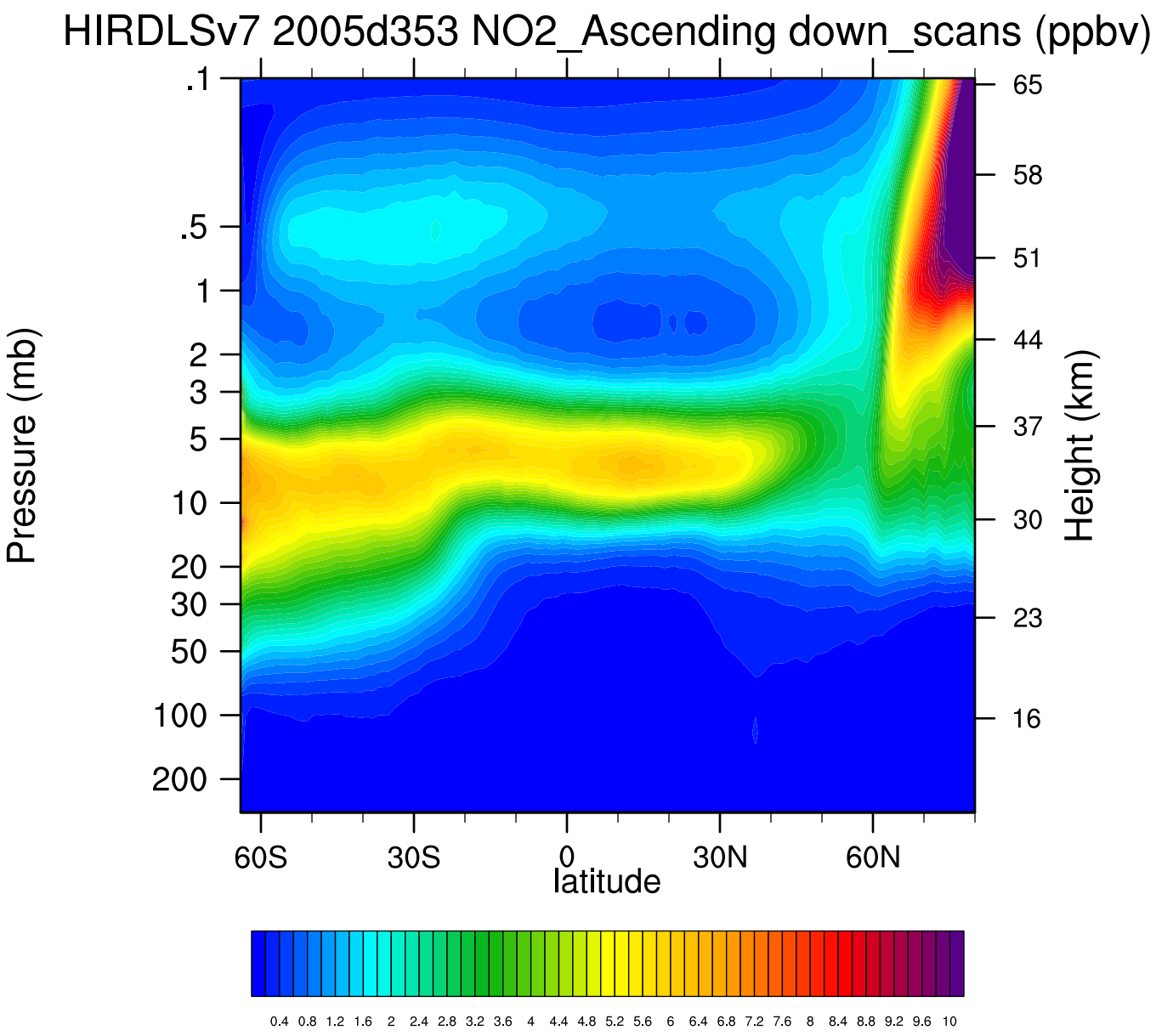

HIRDLSv7 2005d348 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

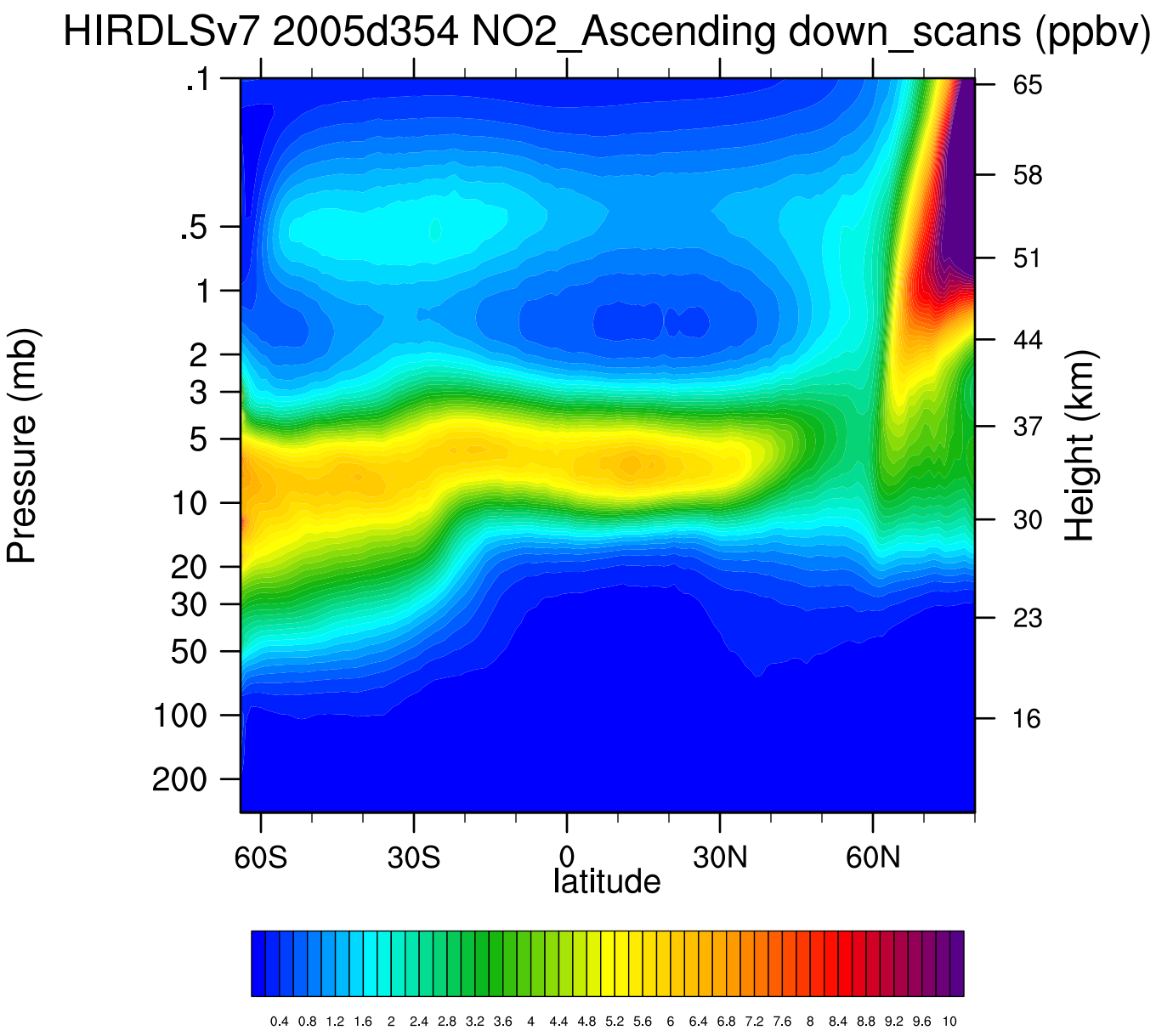

HIRDLSv7 2005d349 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

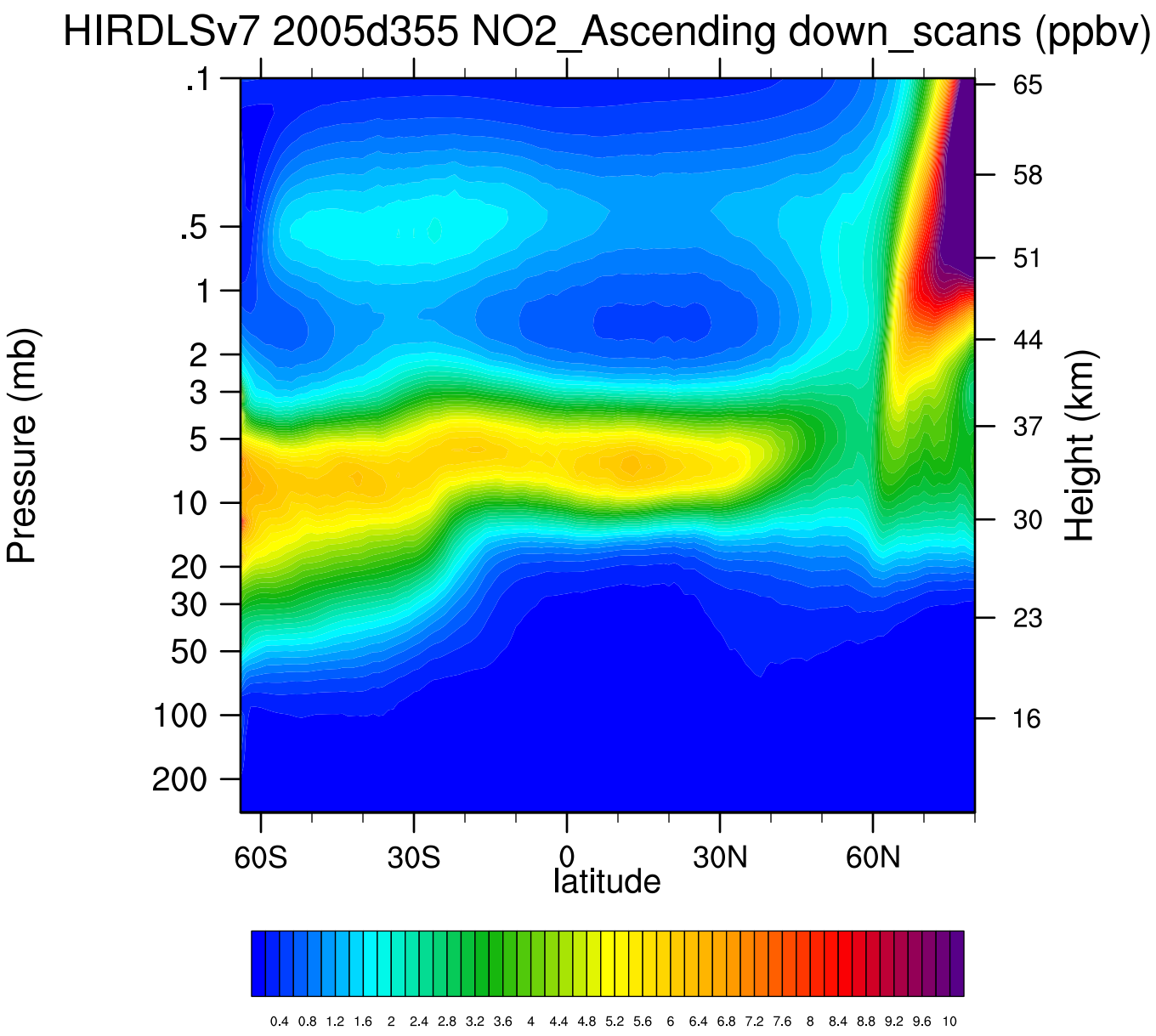

HIRDLSv7 2005d350 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

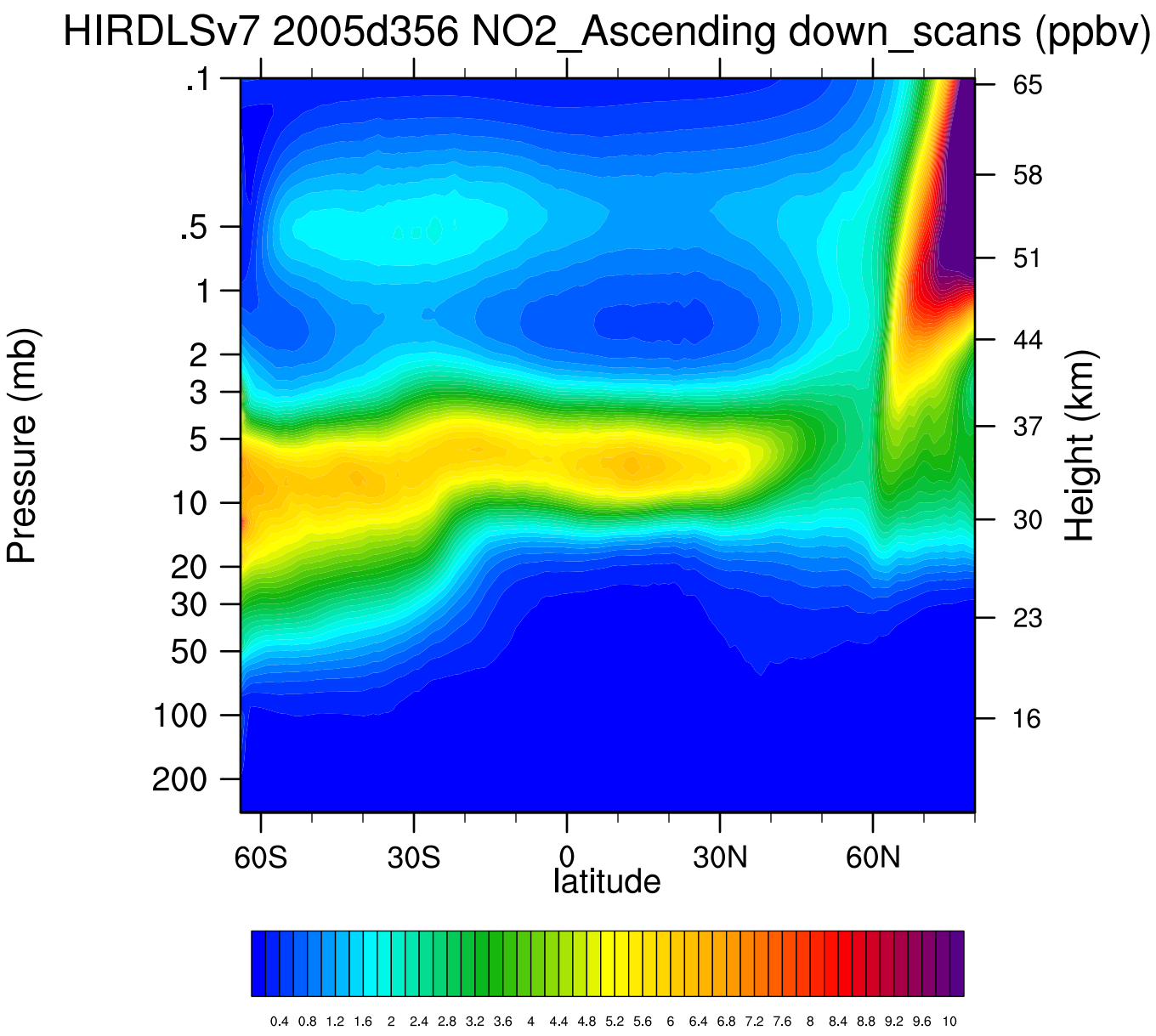

HIRDLSv7 2005d351 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

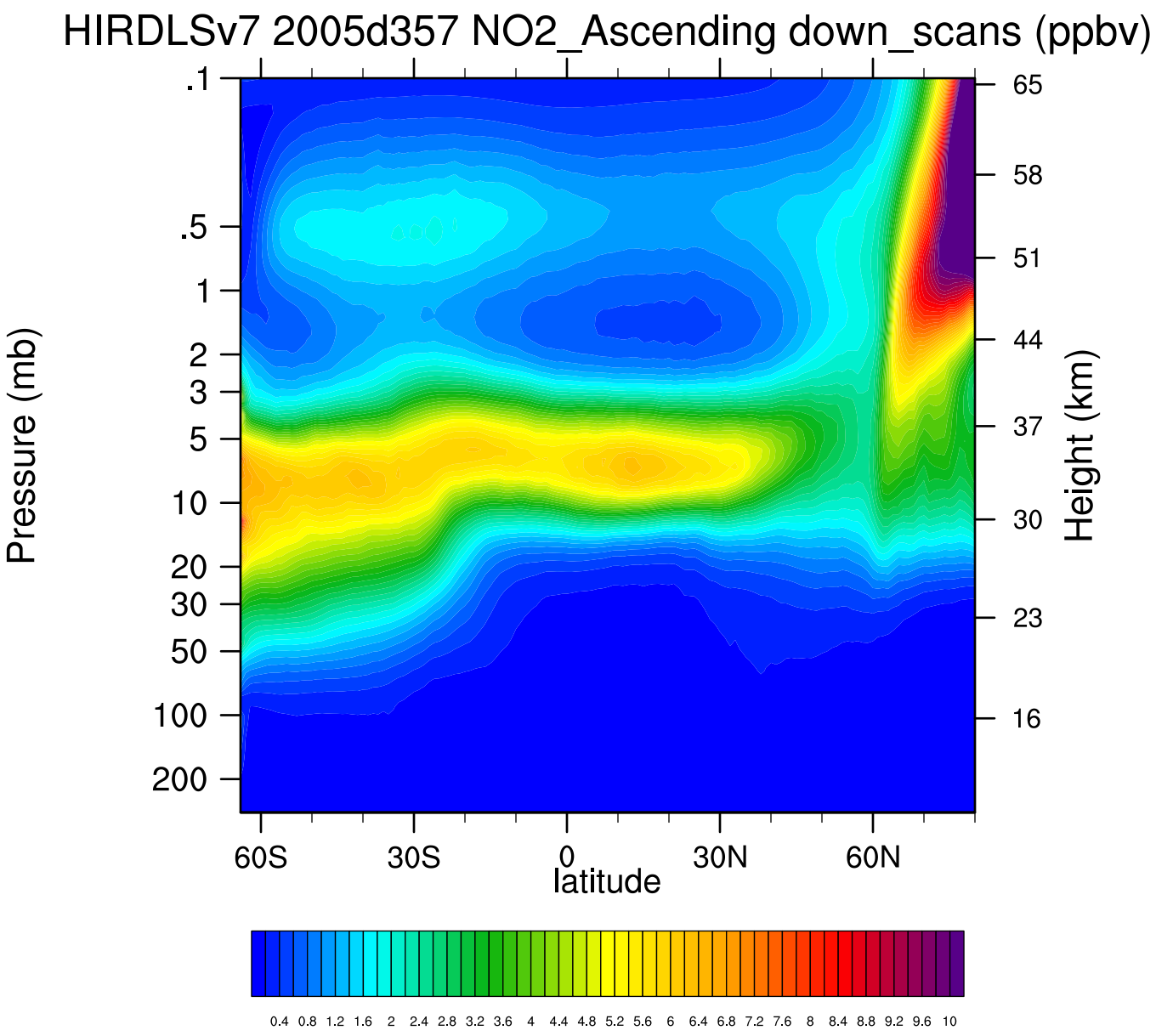

HIRDLSv7 2005d352 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

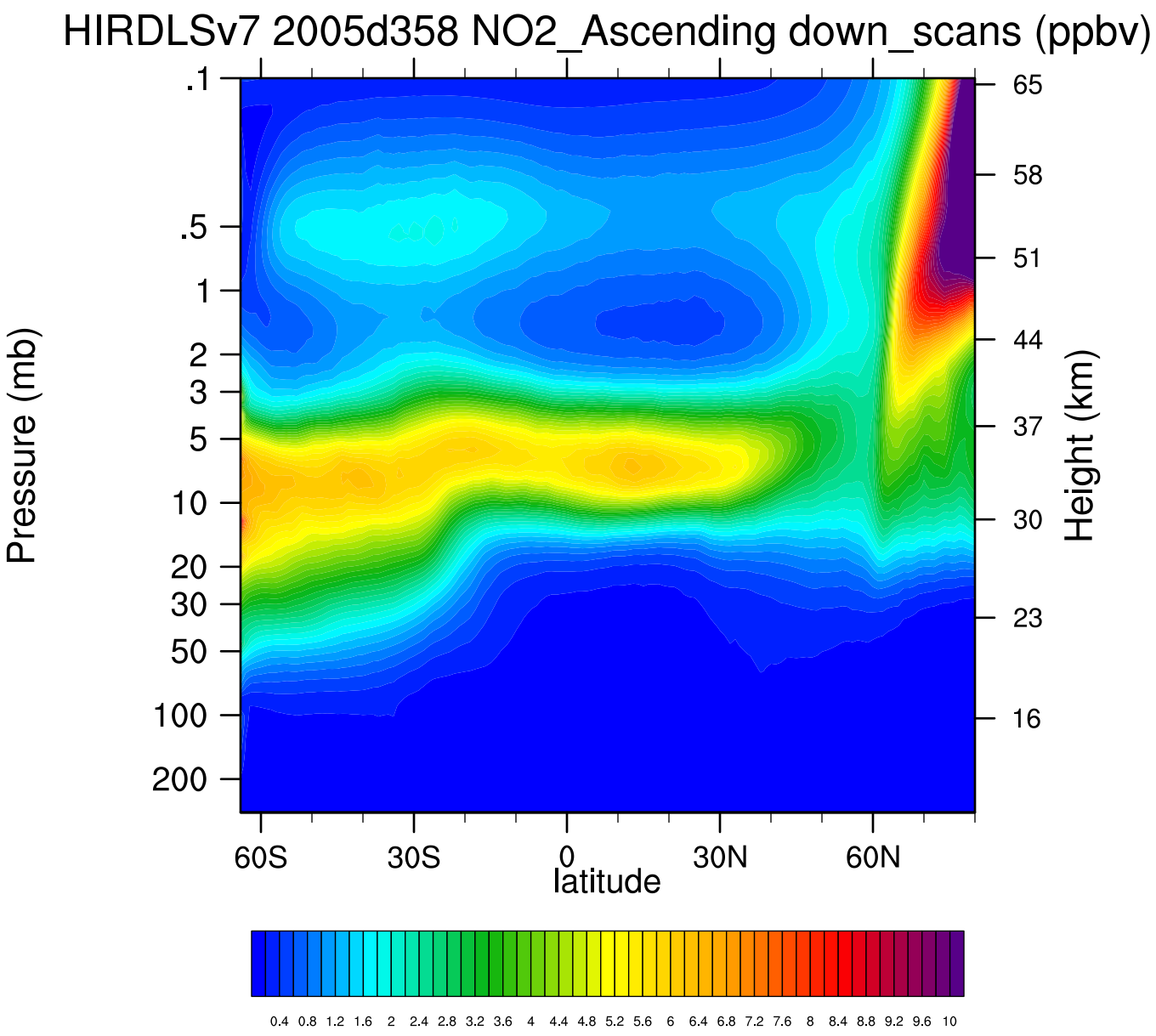

HIRDLSv7 2005d353 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

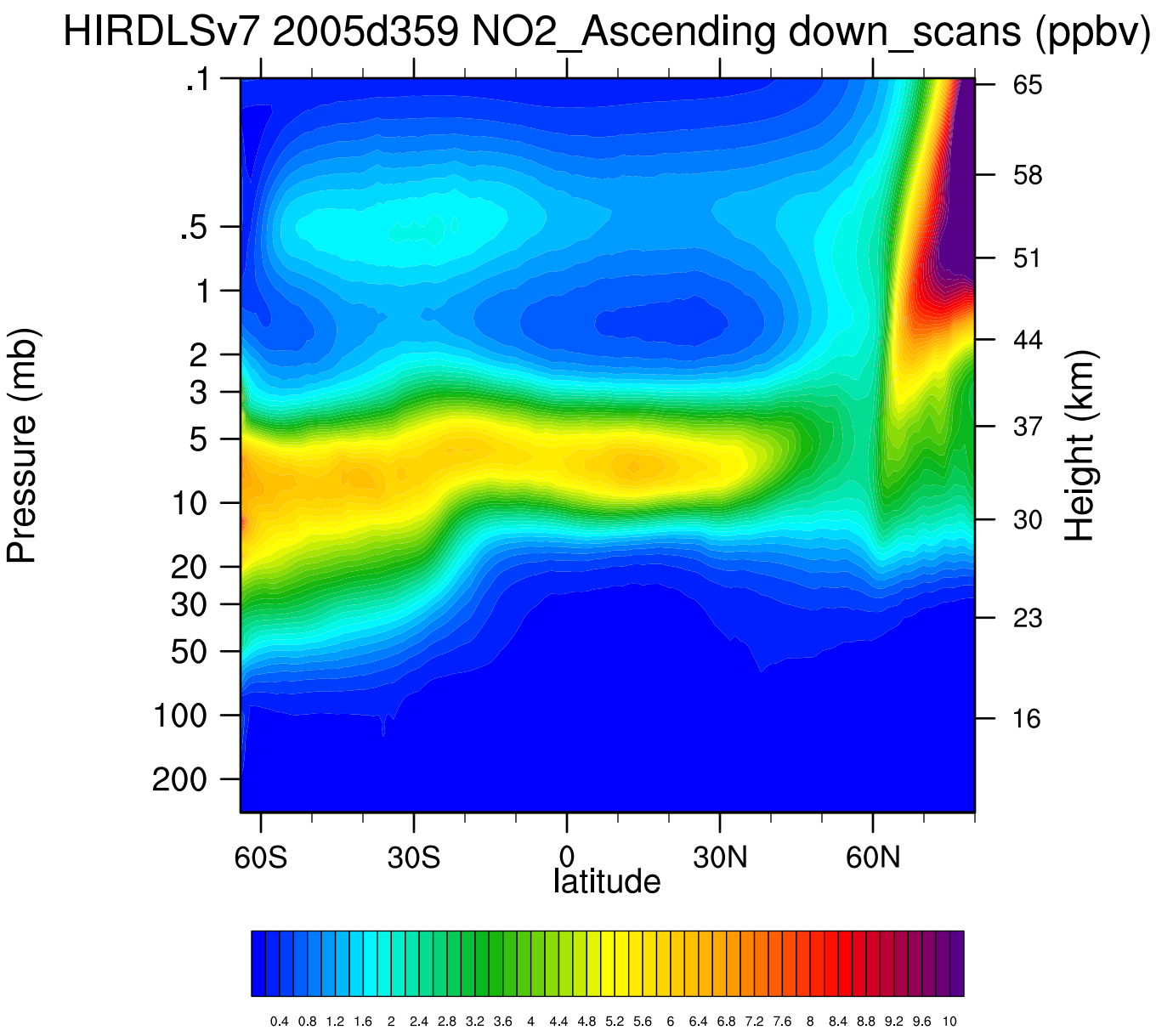

HIRDLSv7 2005d354 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

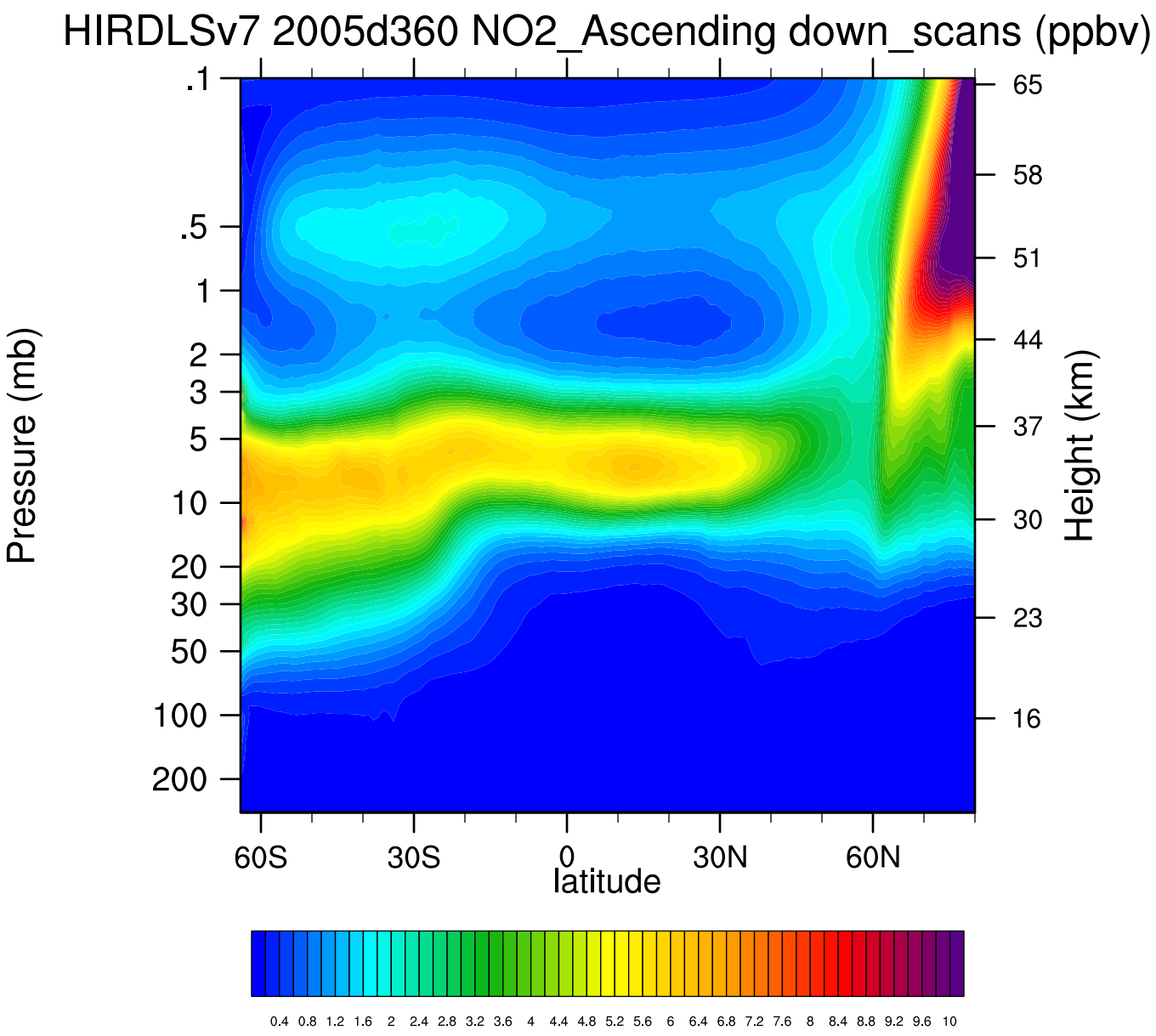

HIRDLSv7 2005d355 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

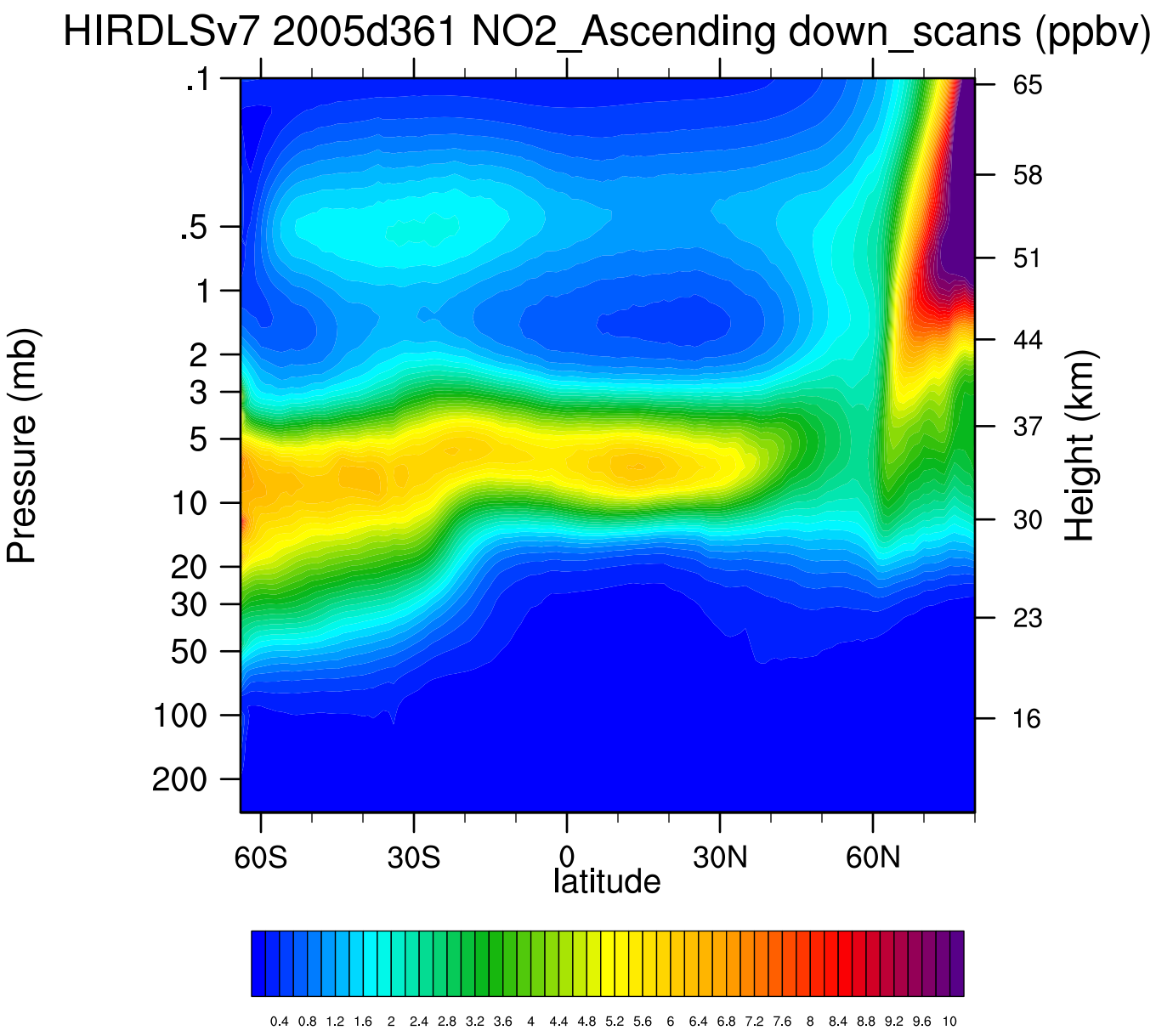

HIRDLSv7 2005d356 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

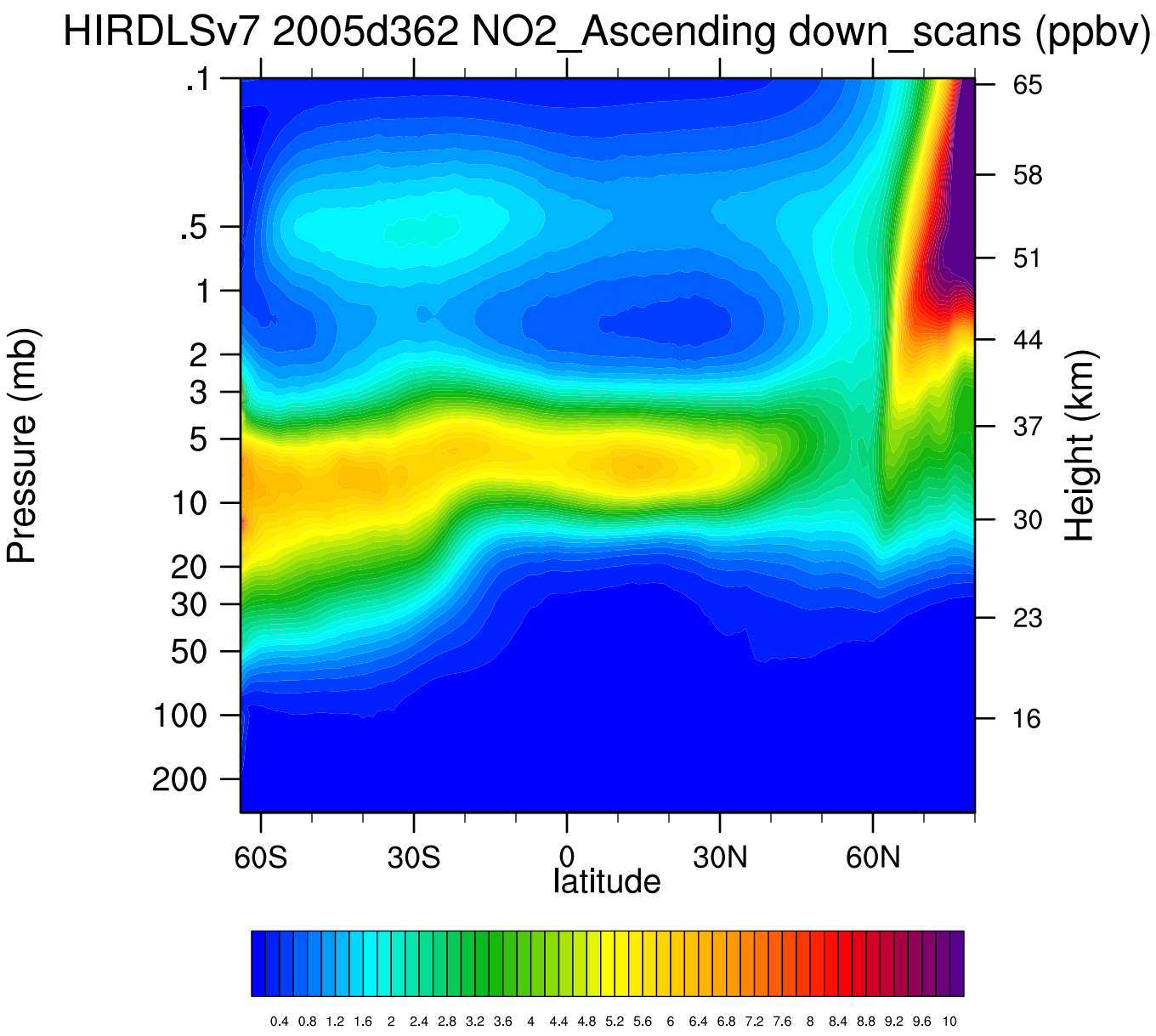

HIRDLSv7 2005d357 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

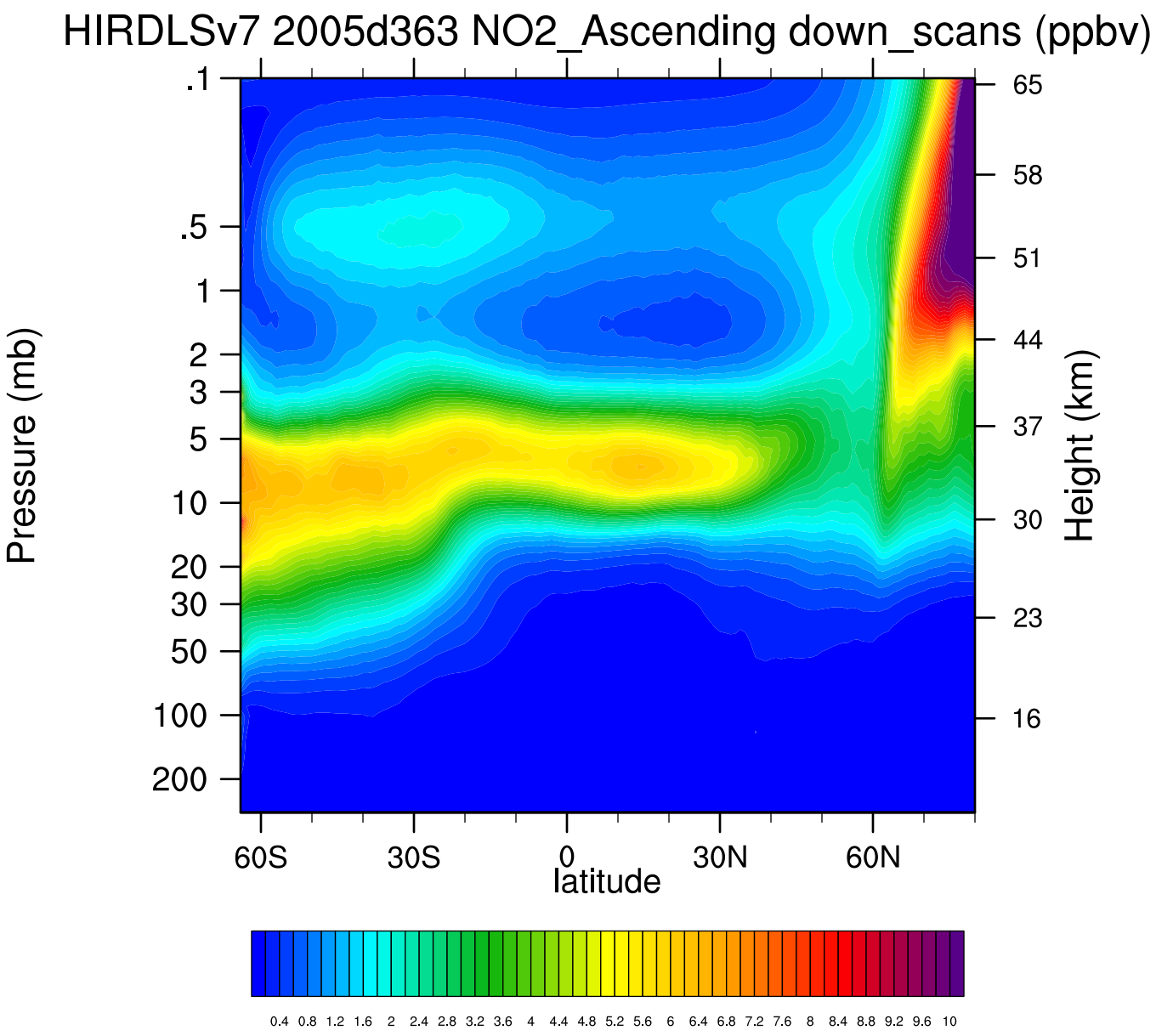

HIRDLSv7 2005d358 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

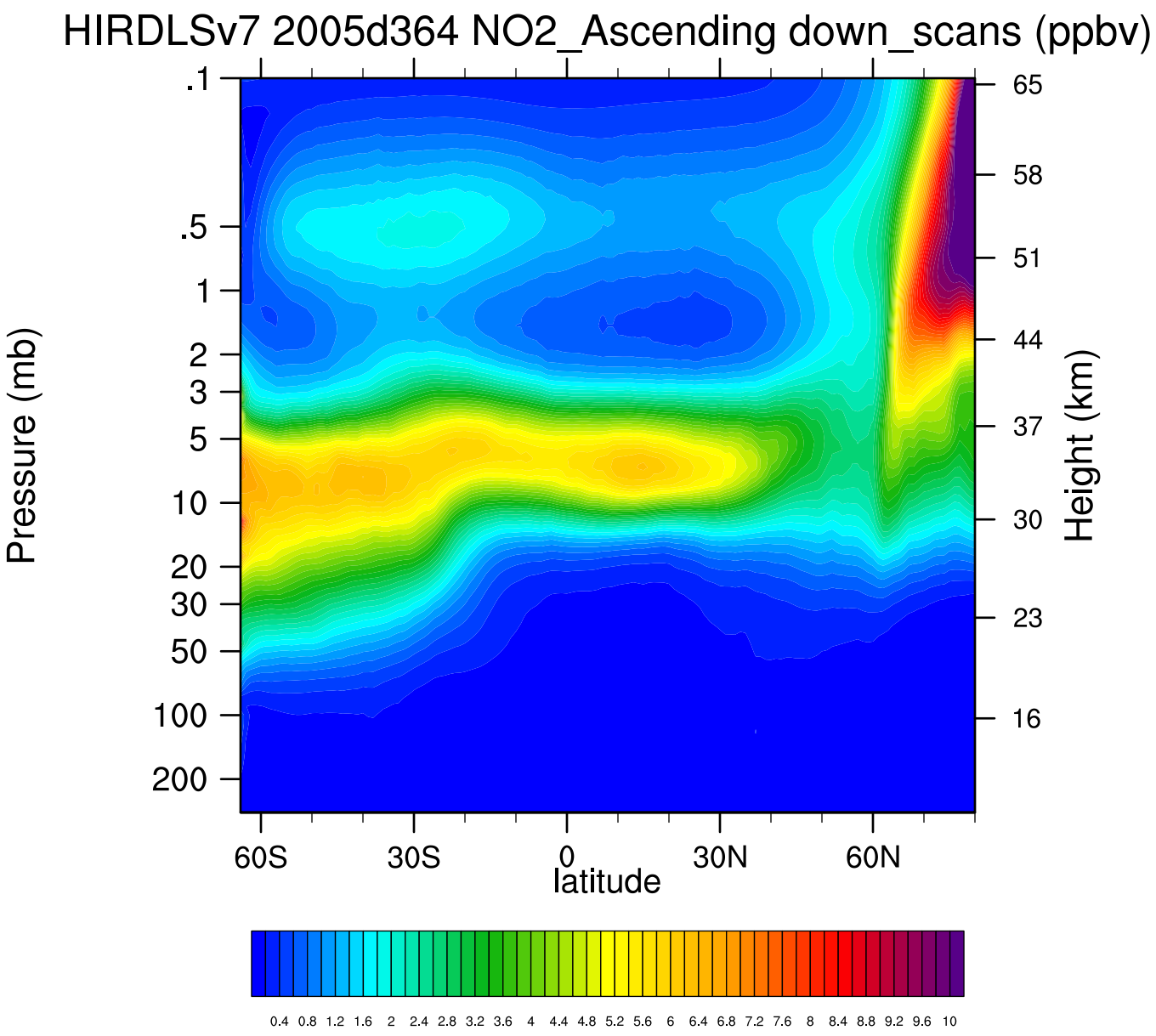

HIRDLSv7 2005d359 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

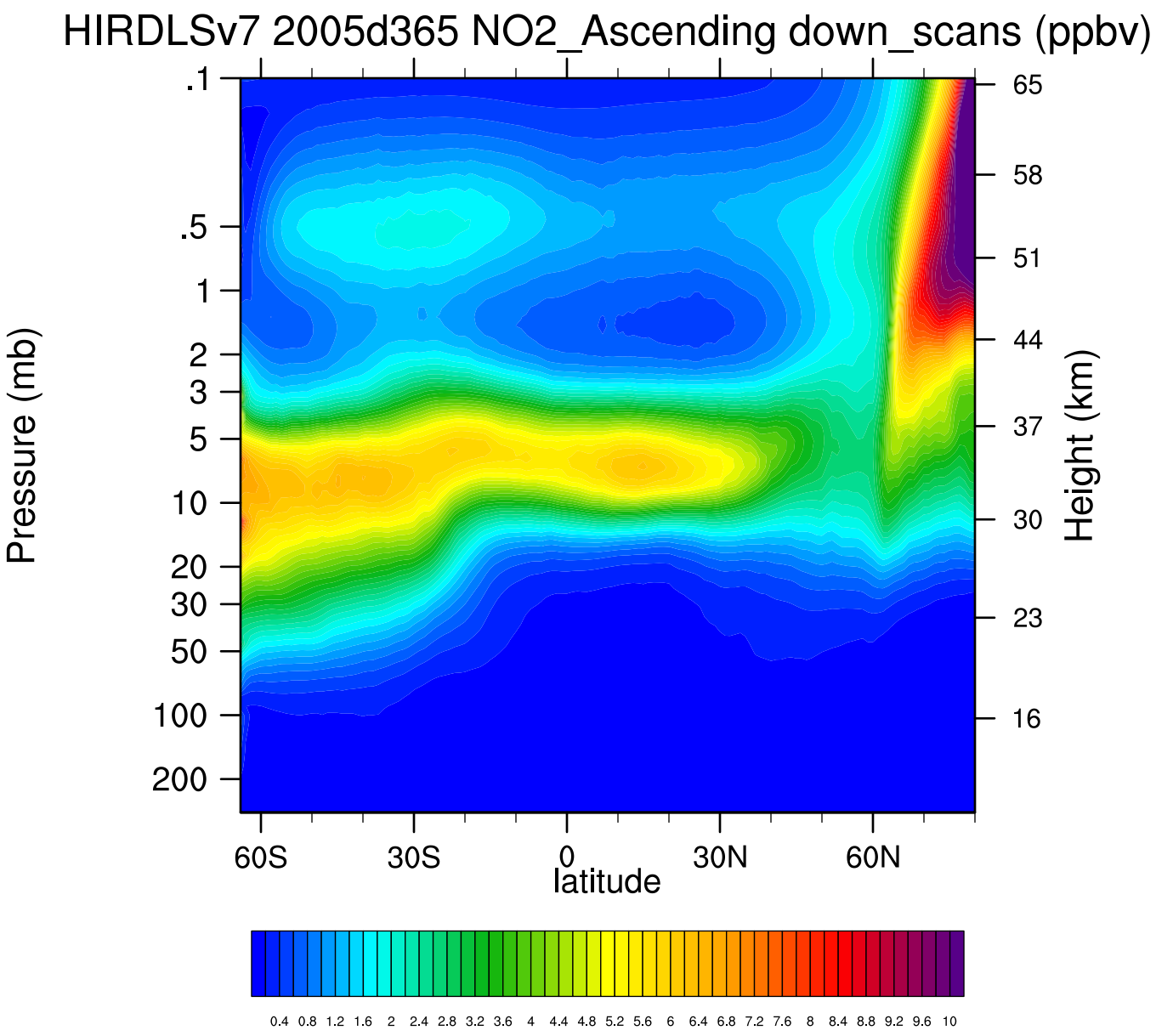

HIRDLSv7 2005d360 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

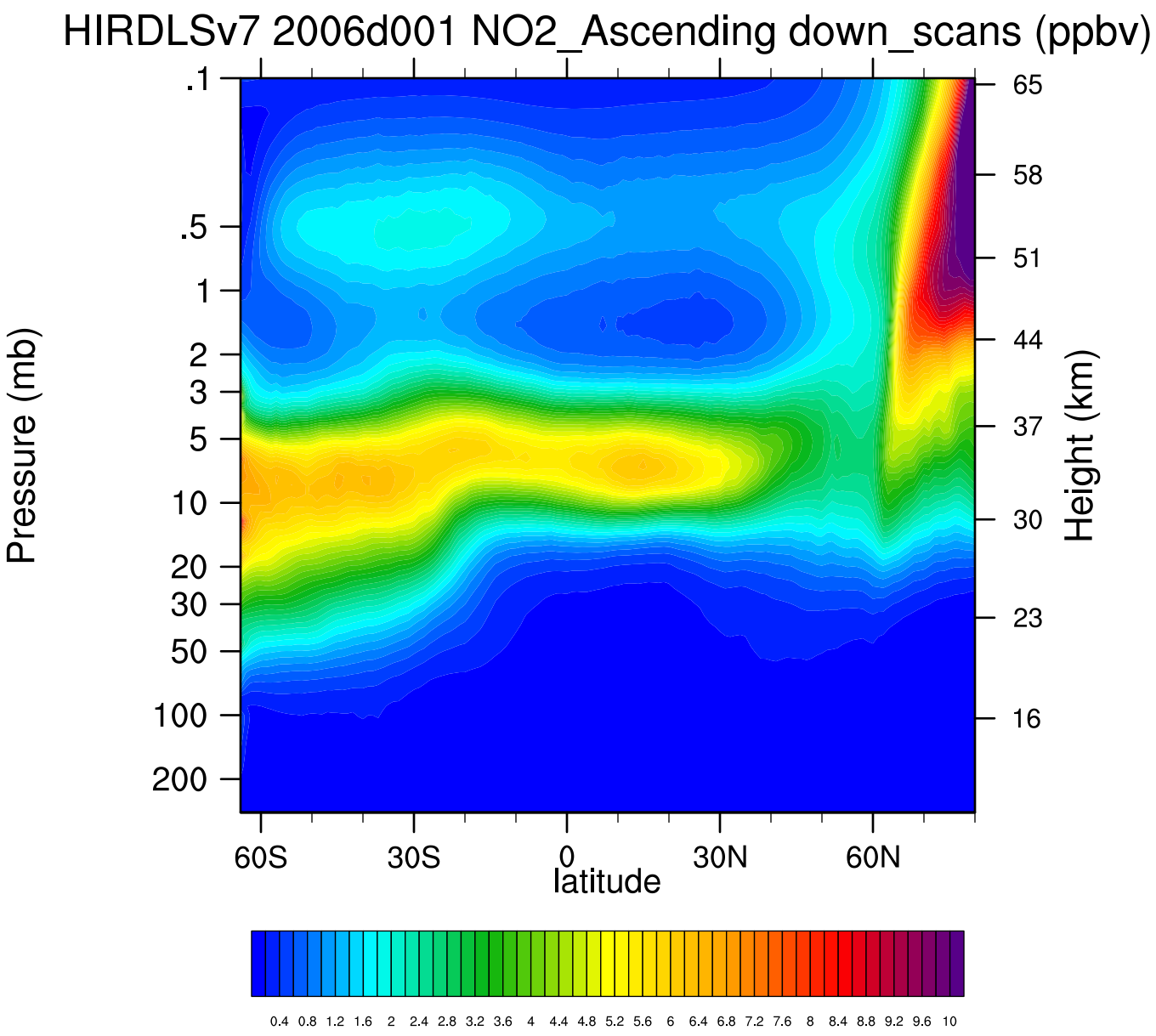

HIRDLSv7 2005d361 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

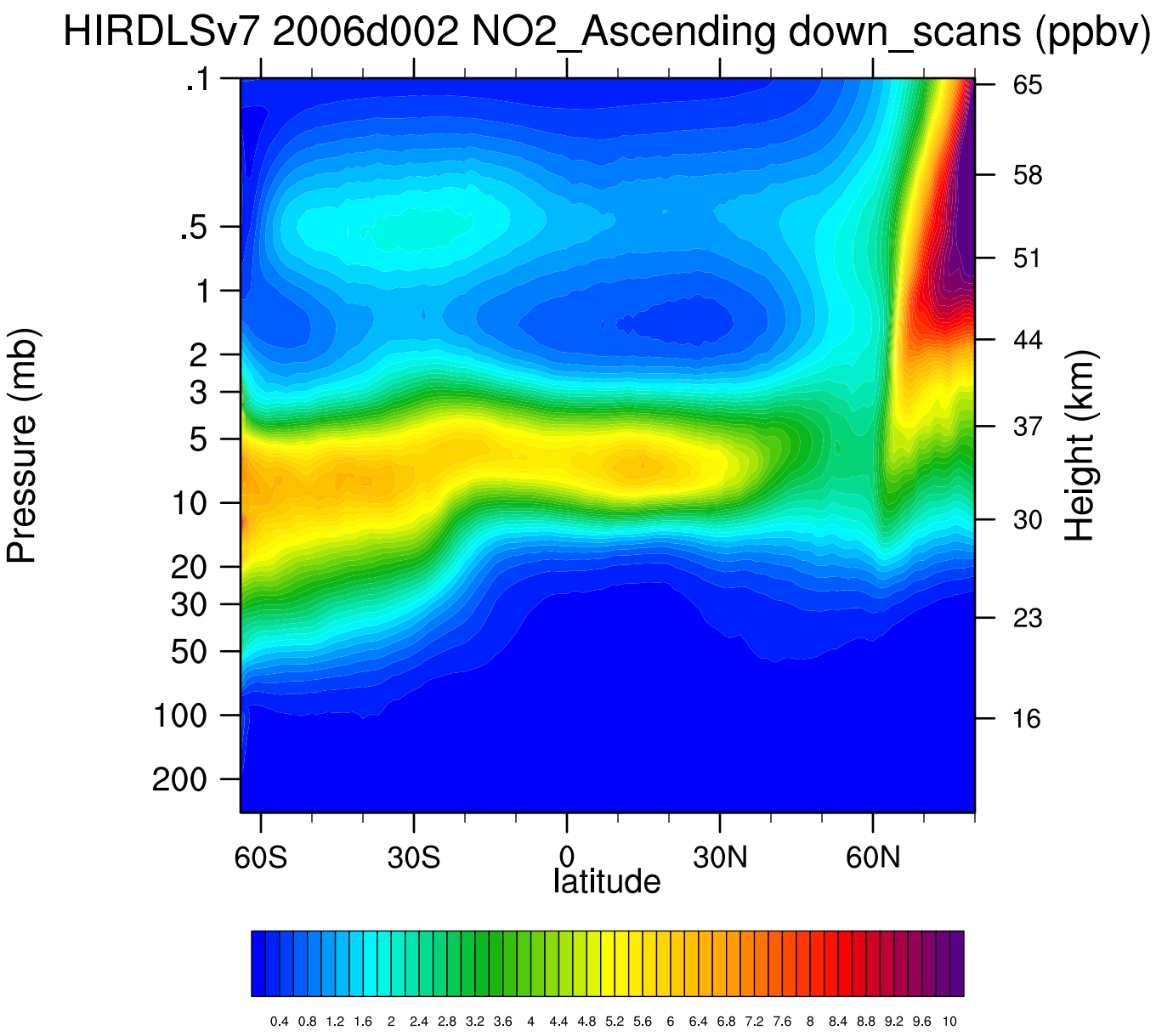

HIRDLSv7 2005d362 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

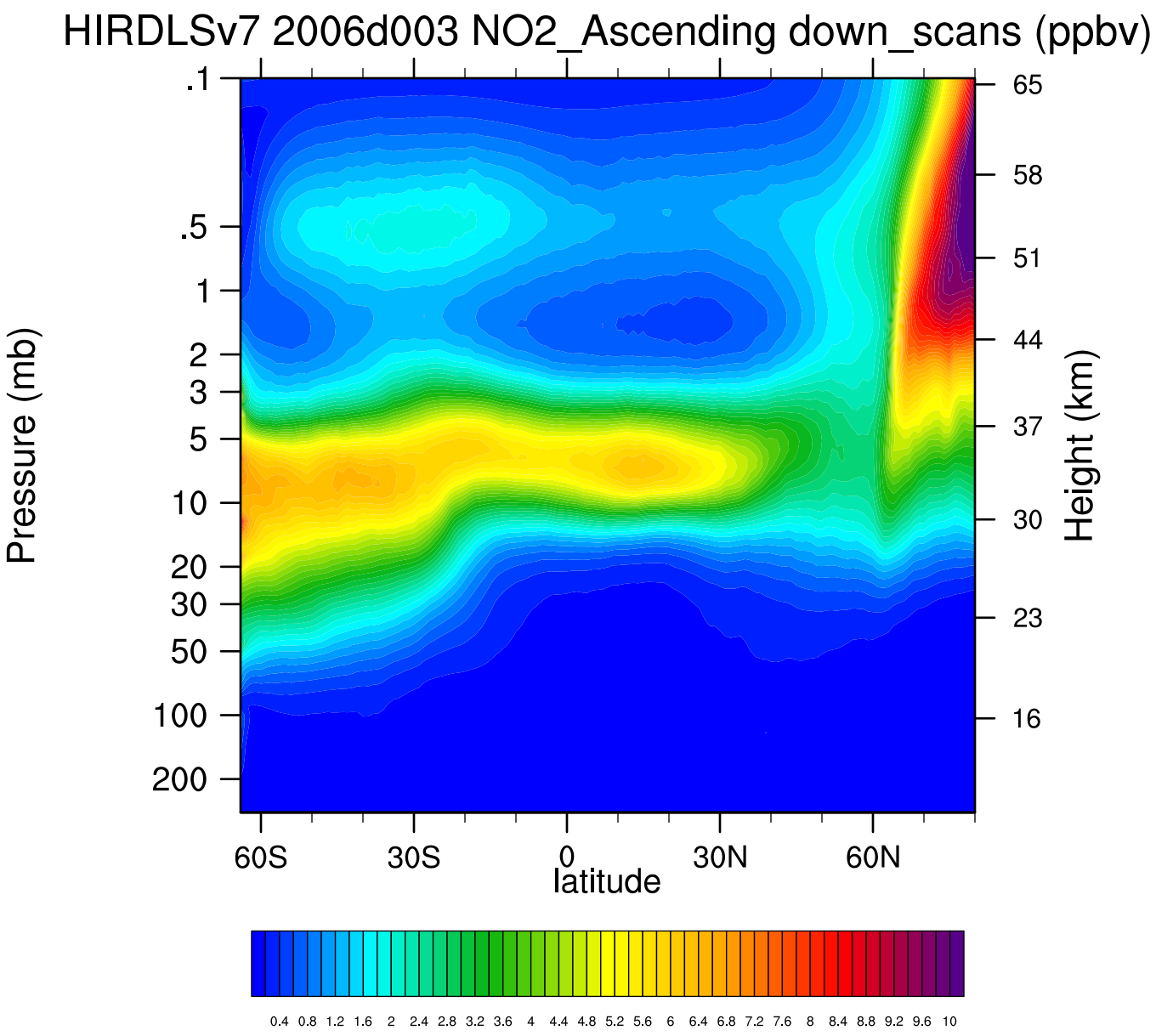

HIRDLSv7 2005d363 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

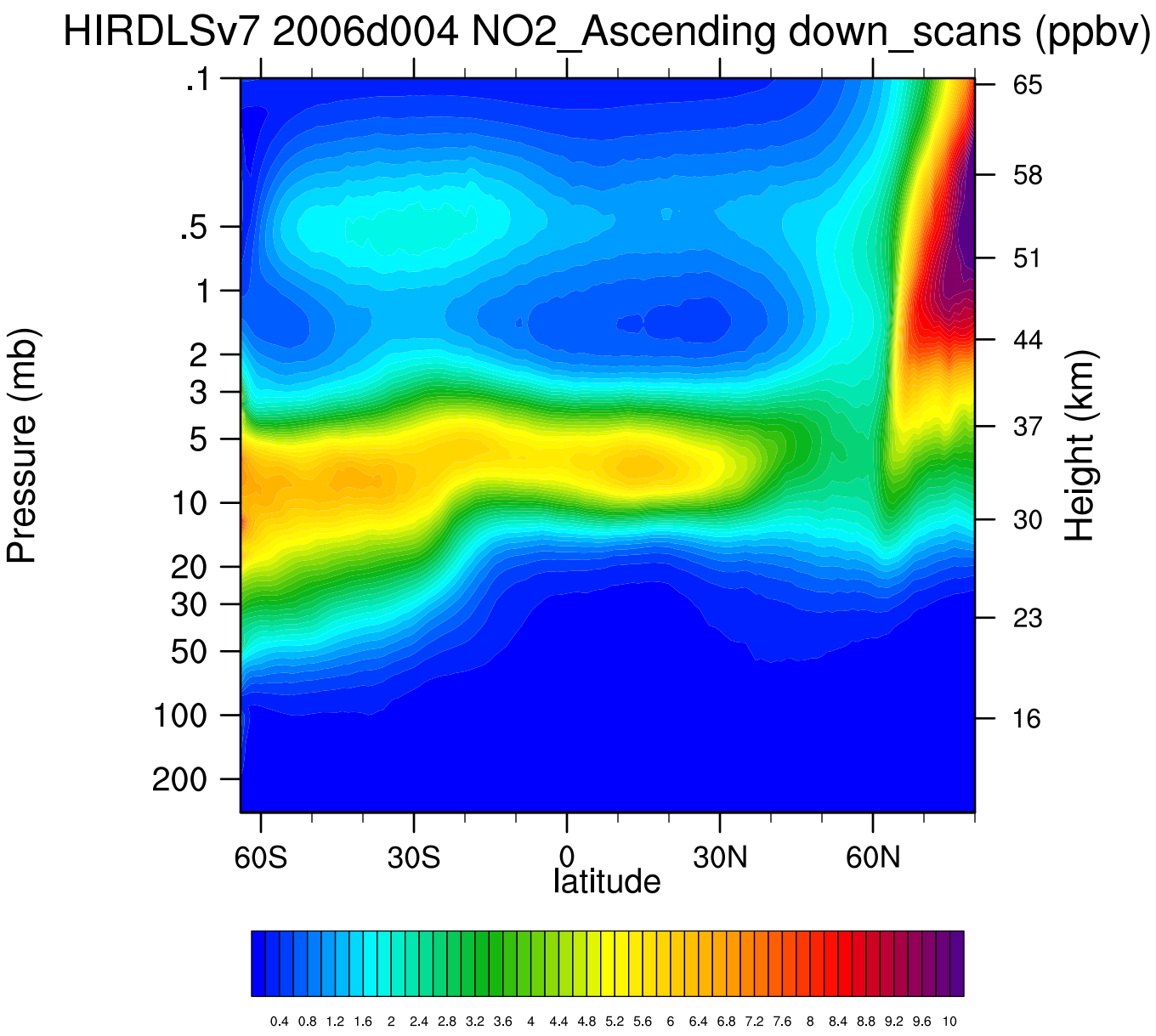

HIRDLSv7 2005d364 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

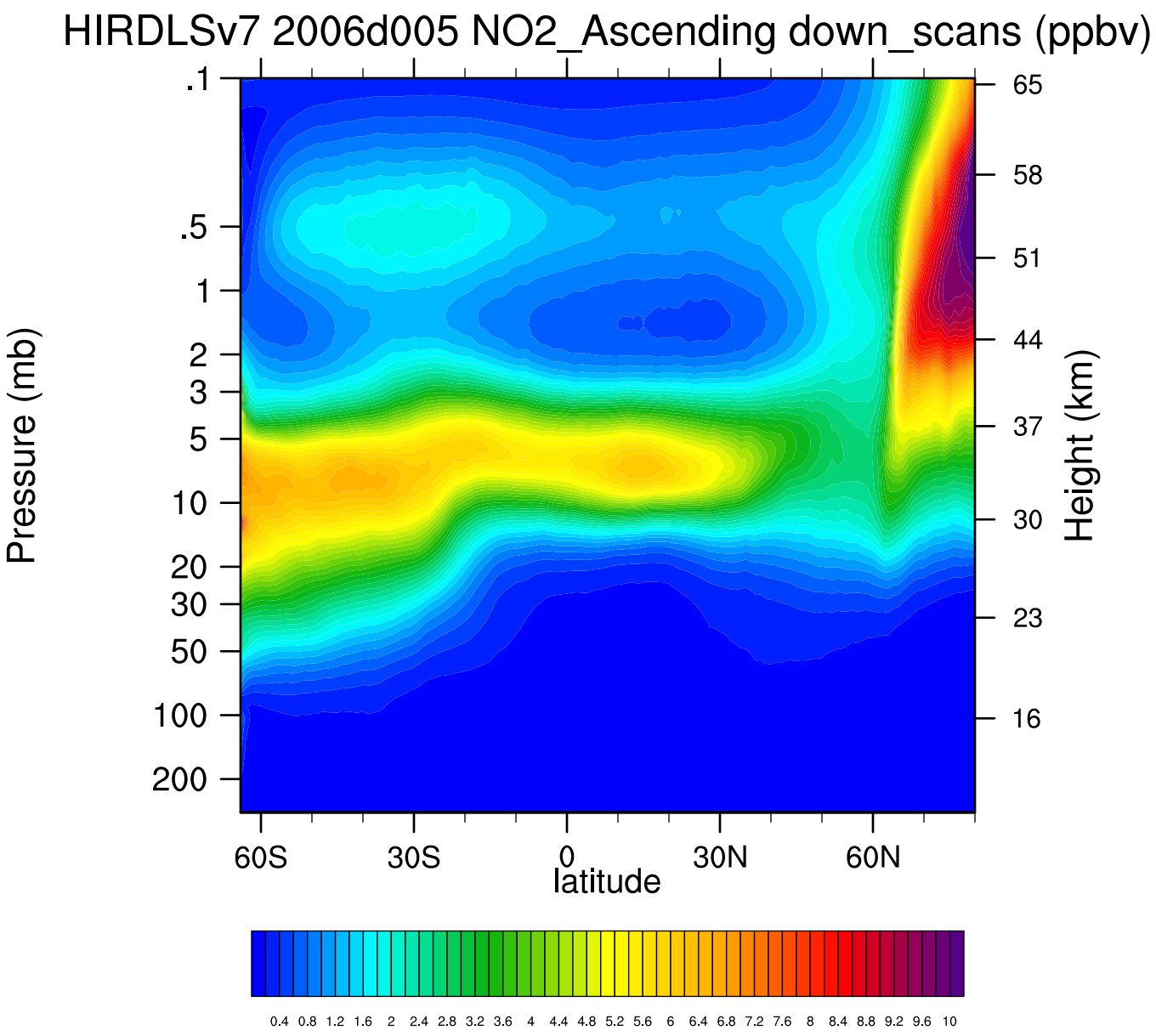

HIRDLSv7 2005d365 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

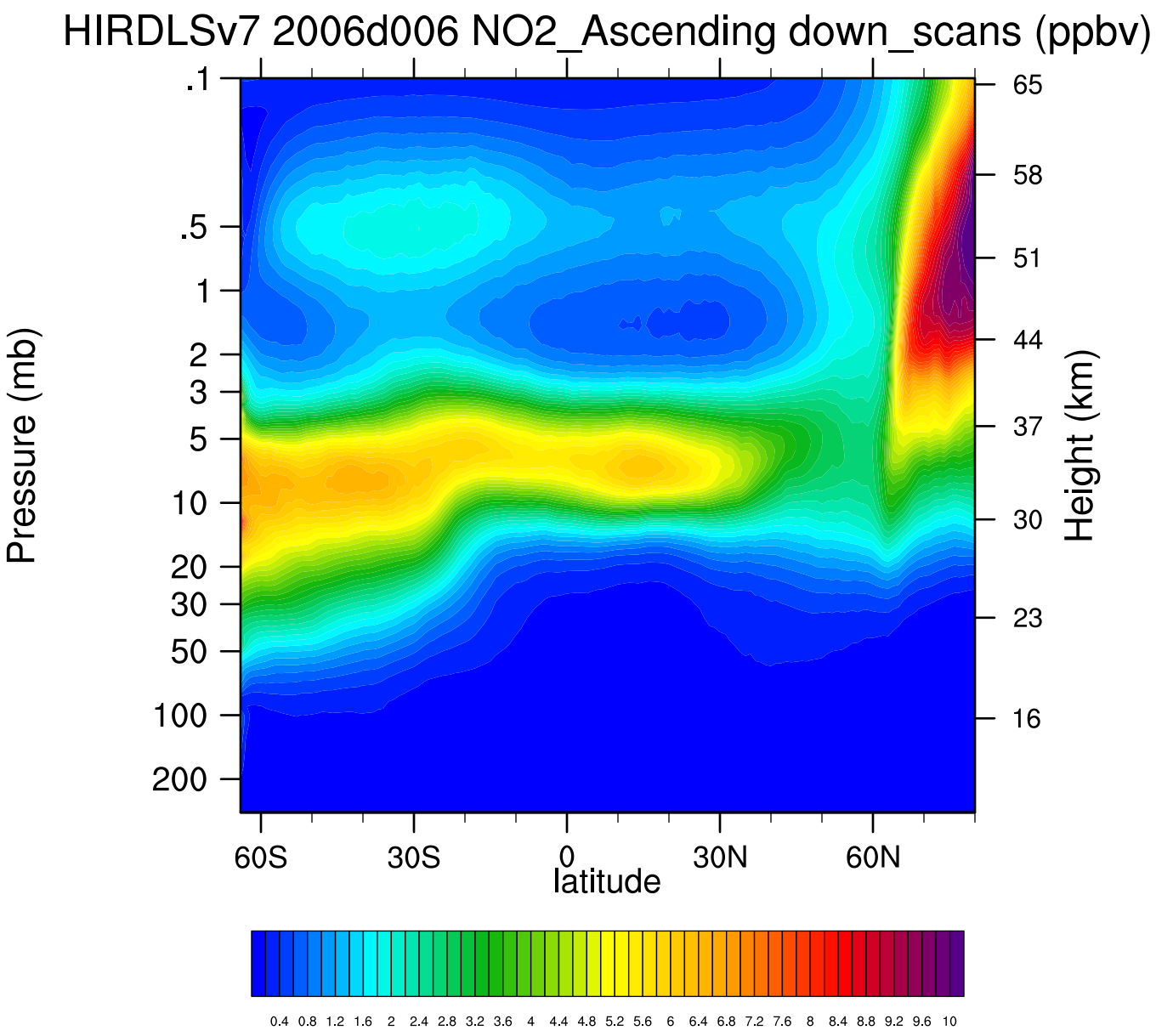

HIRDLSv7 2006d001 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

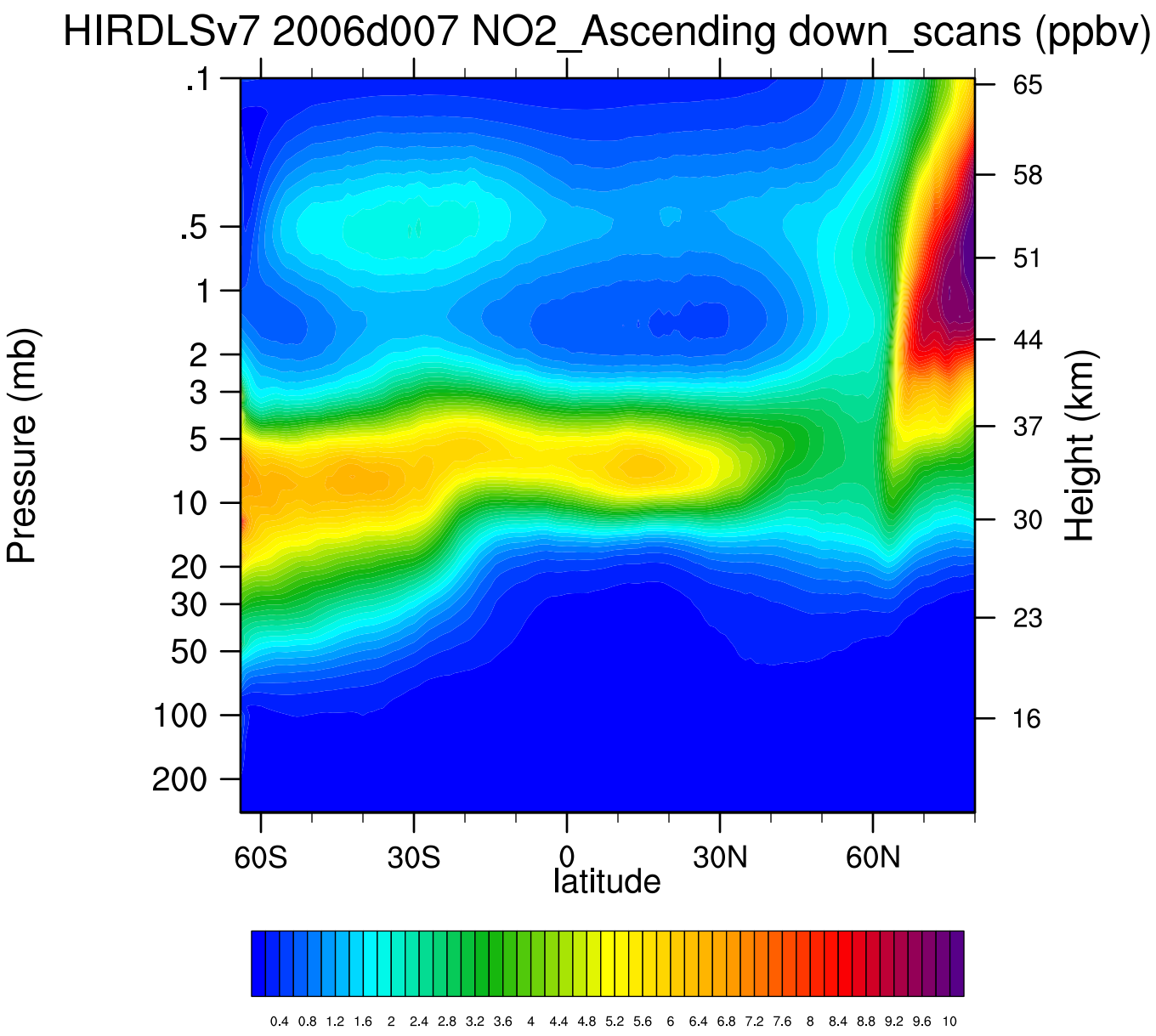

HIRDLSv7 2006d002 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

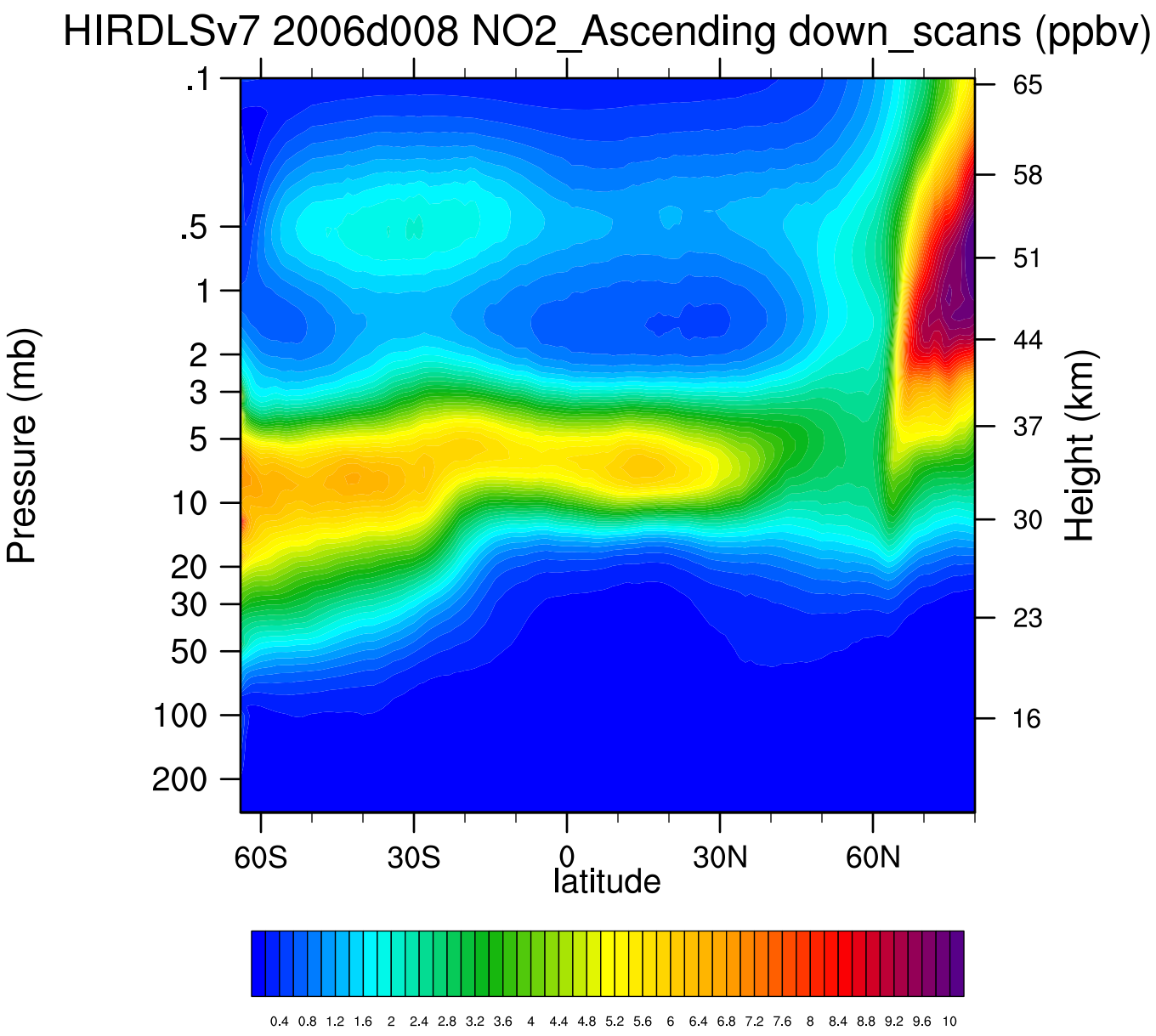

HIRDLSv7 2006d003 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

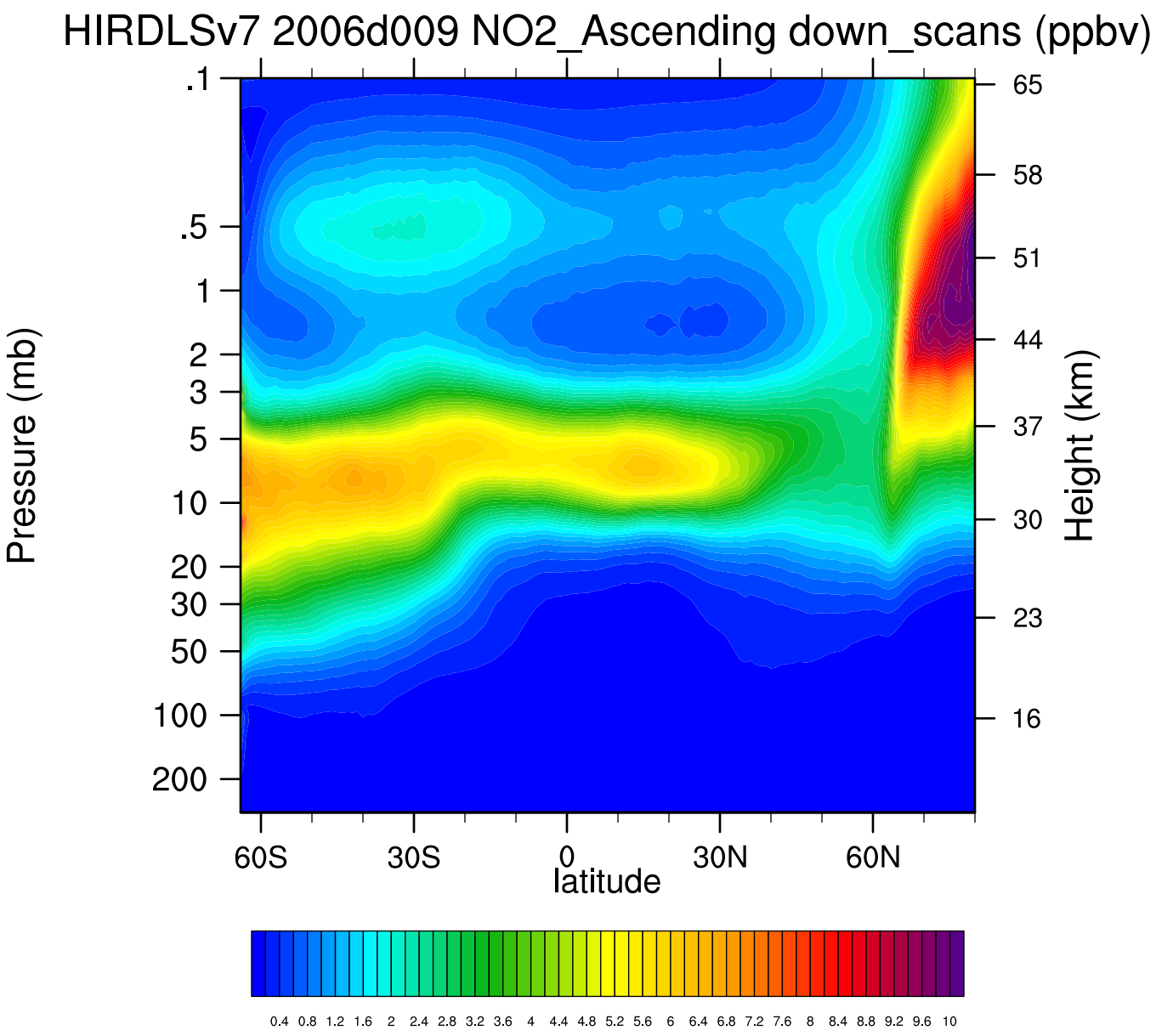

HIRDLSv7 2006d004 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

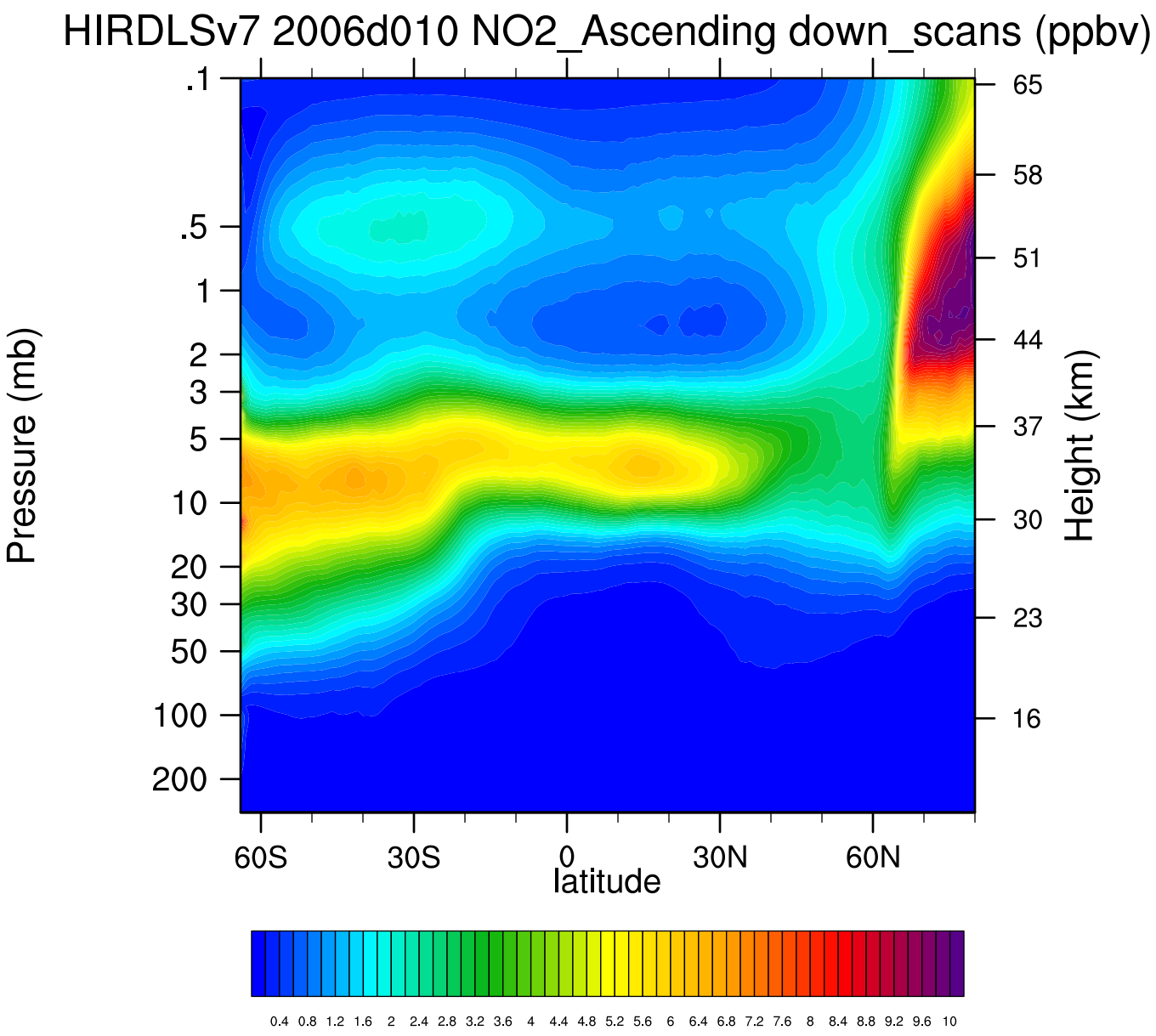

HIRDLSv7 2006d005 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

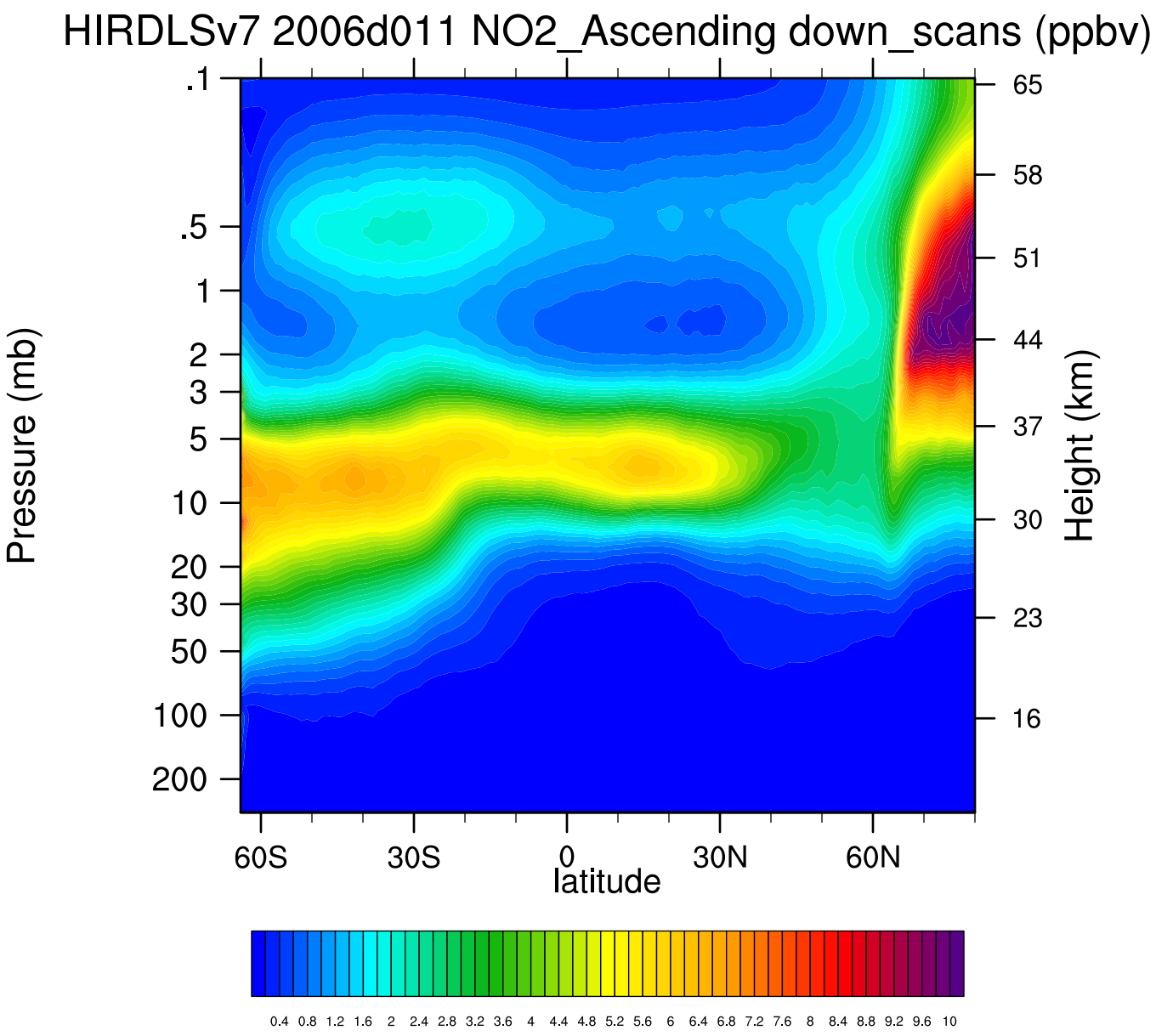

HIRDLSv7 2006d006 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

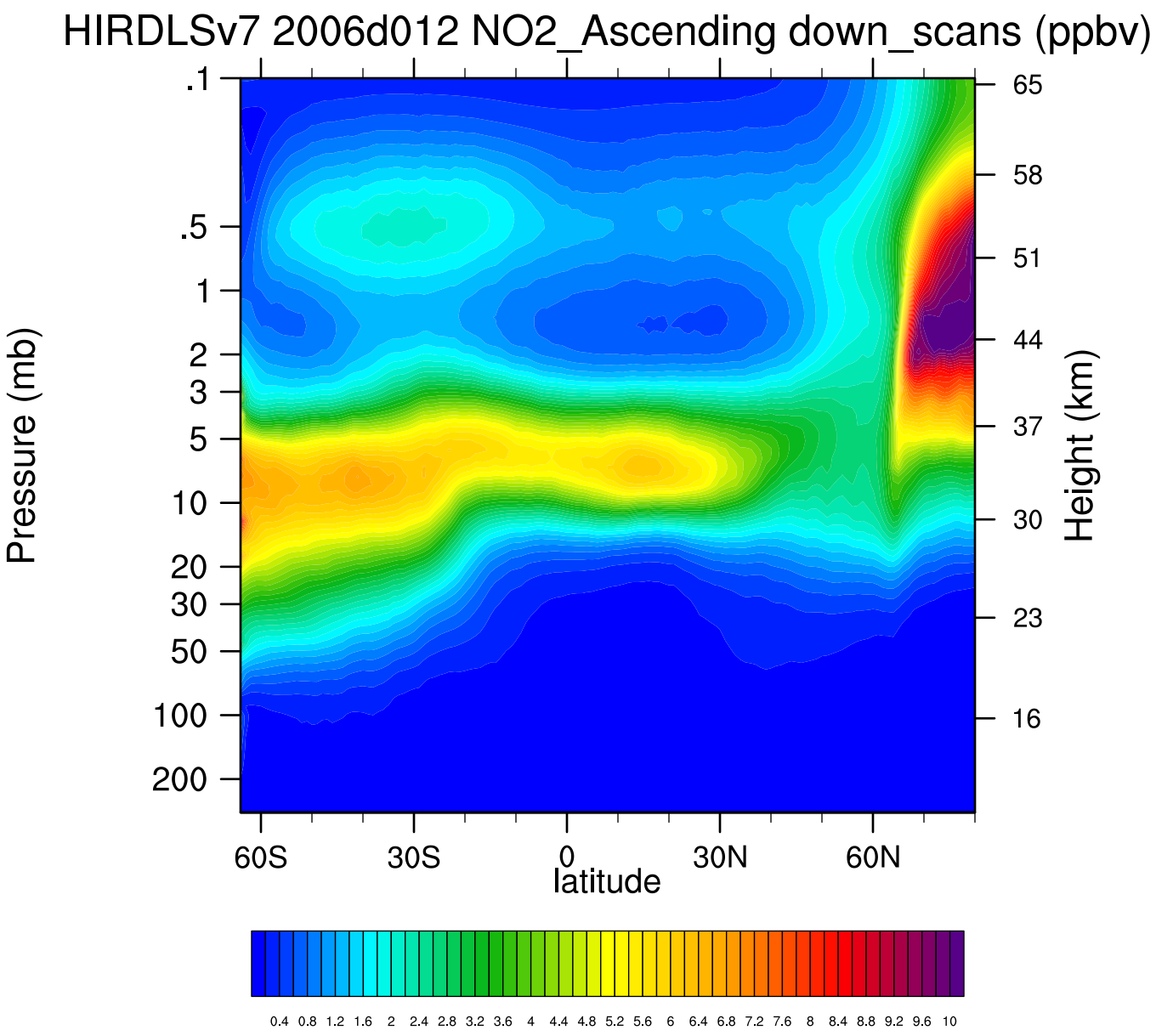

HIRDLSv7 2006d007 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

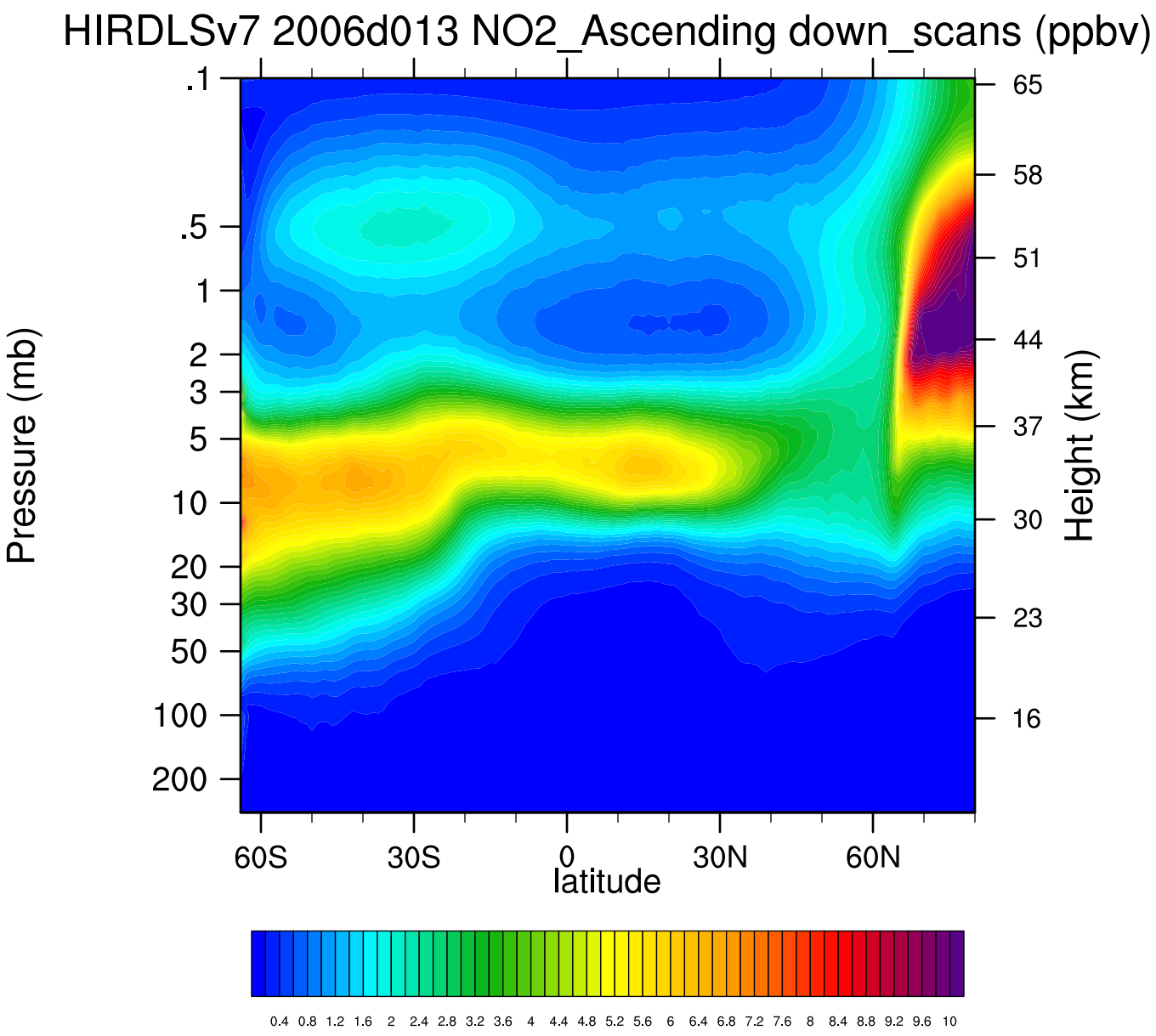

HIRDLSv7 2006d008 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

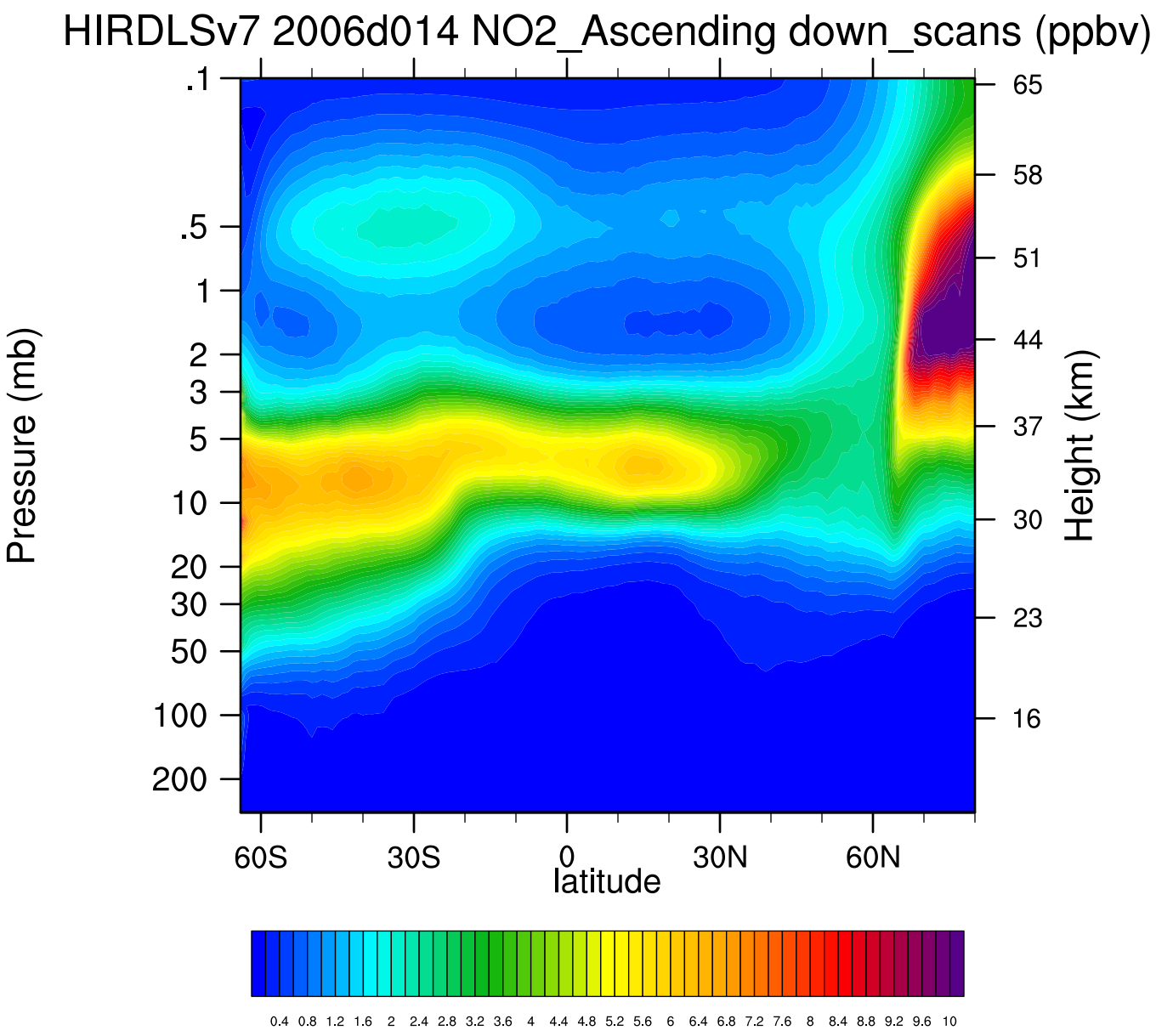

HIRDLSv7 2006d009 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

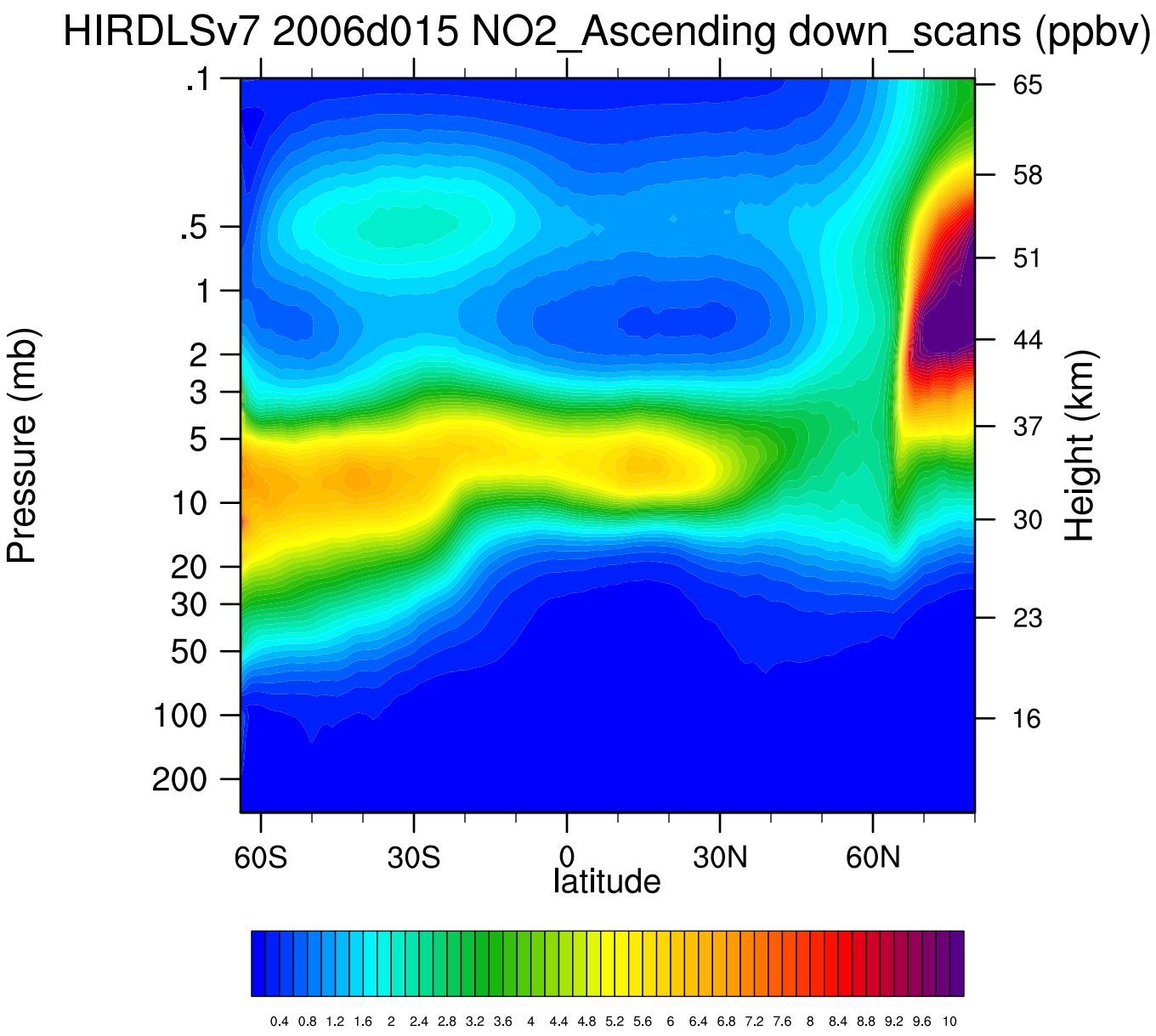

HIRDLSv7 2006d010 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

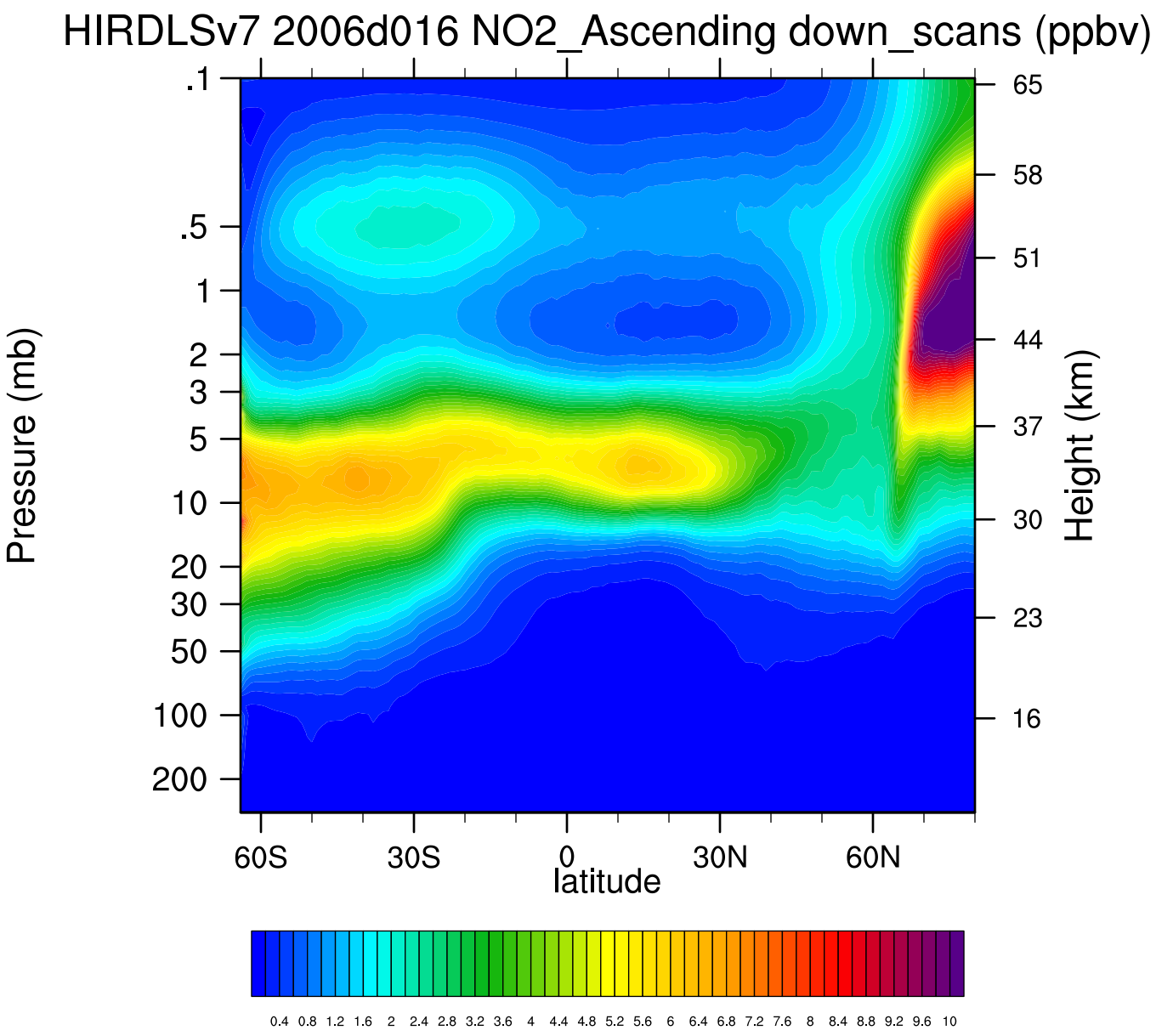

HIRDLSv7 2006d011 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

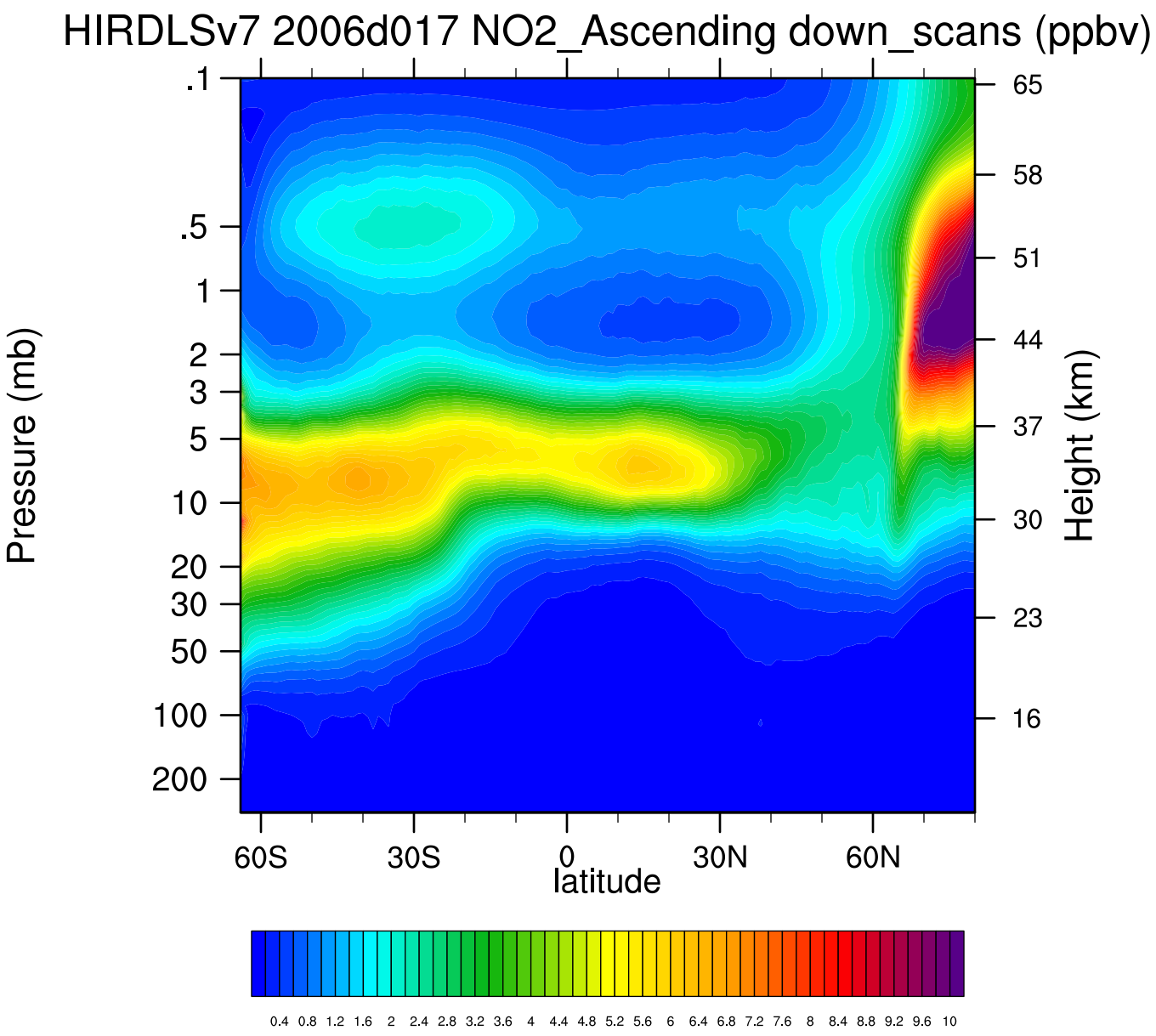

HIRDLSv7 2006d012 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

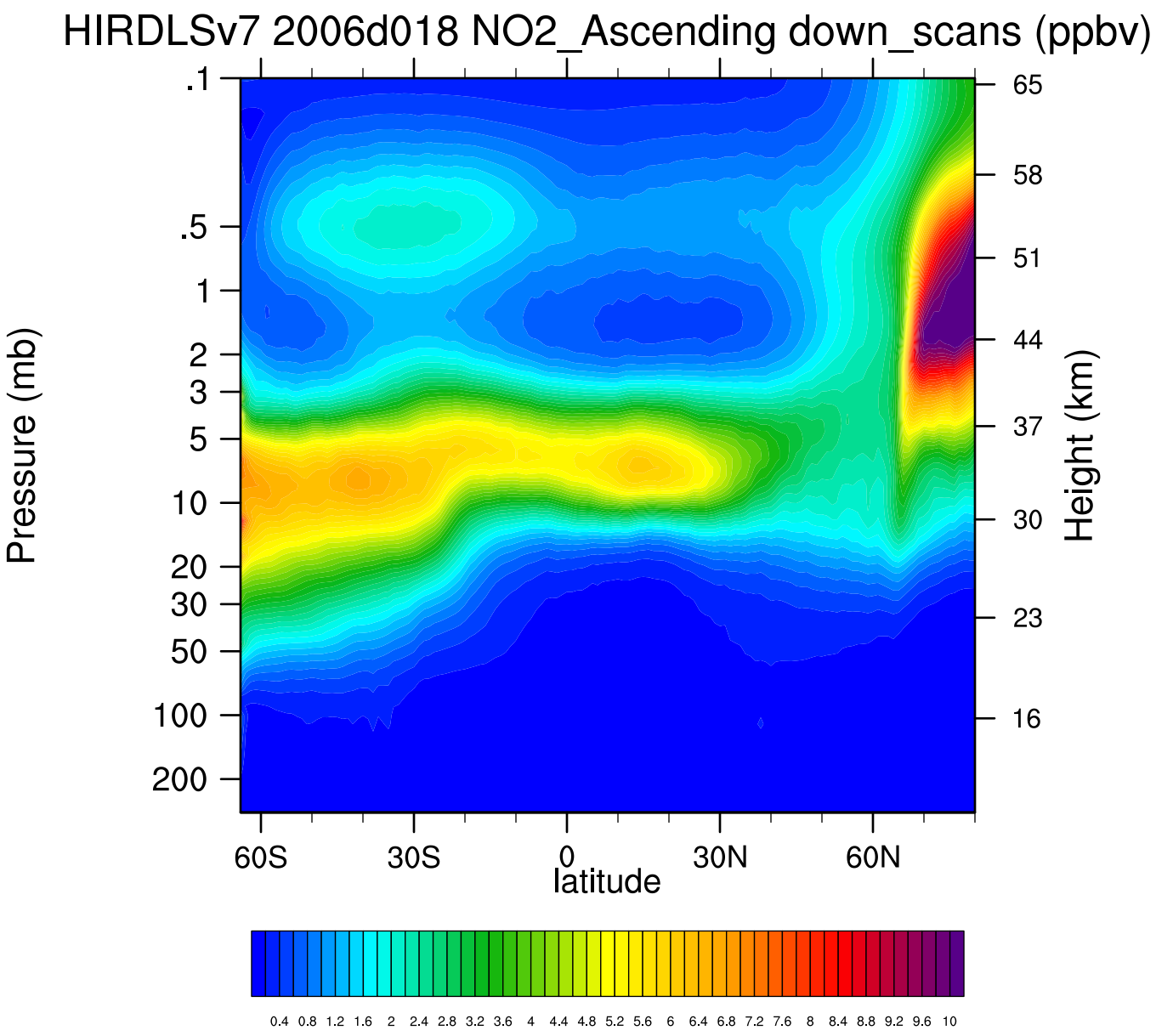

HIRDLSv7 2006d013 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

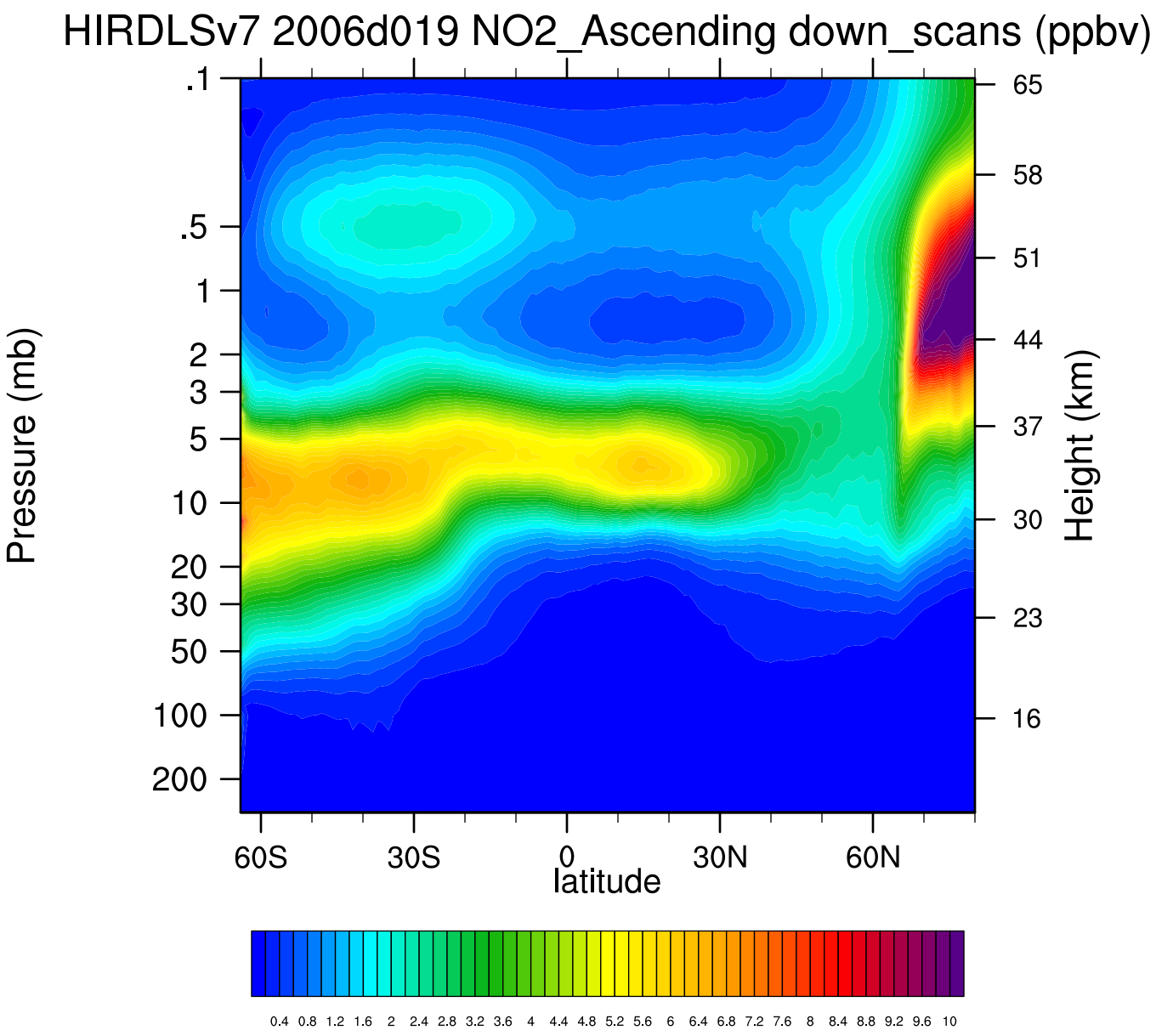

HIRDLSv7 2006d014 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

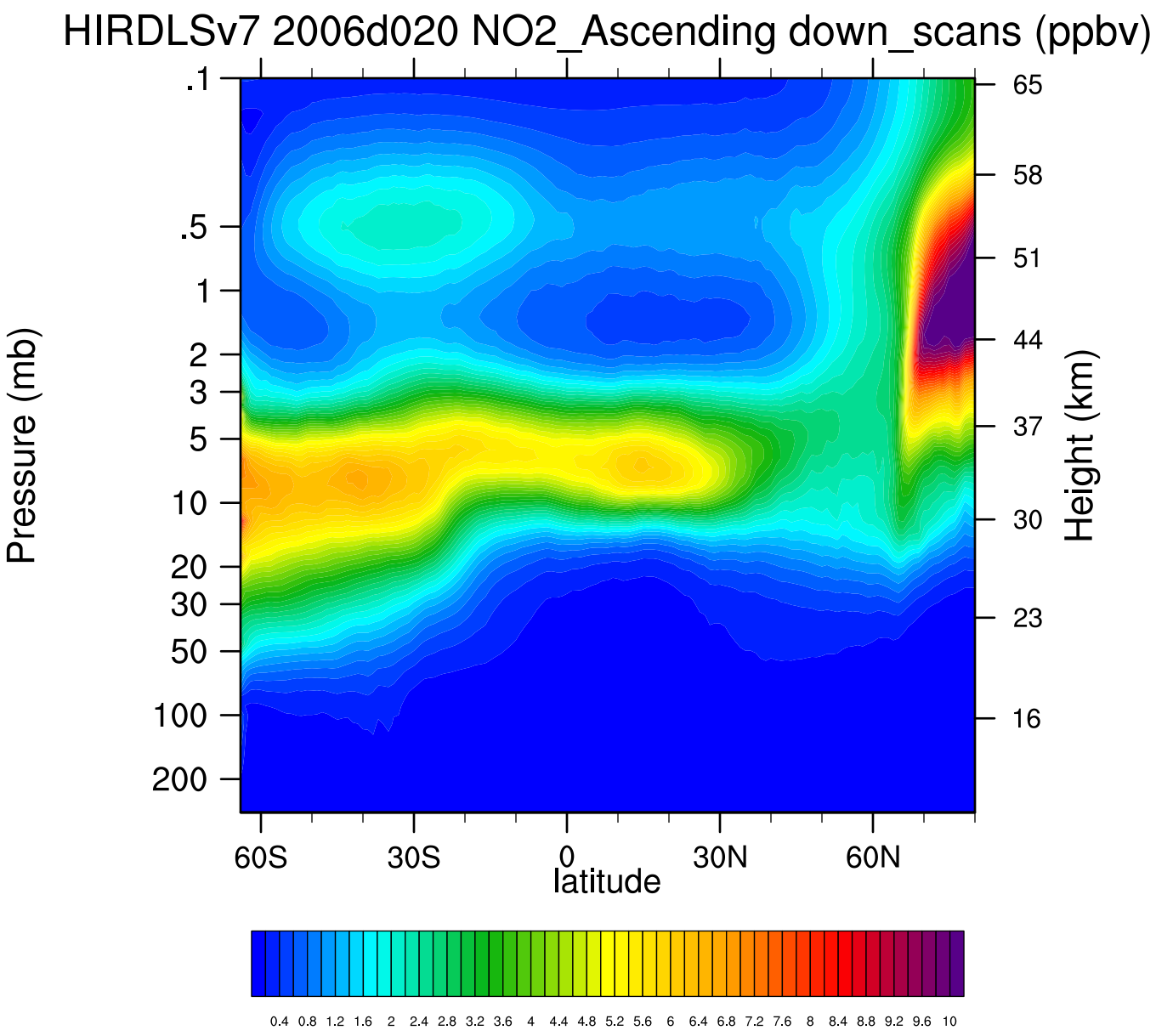

HIRDLSv7 2006d015 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

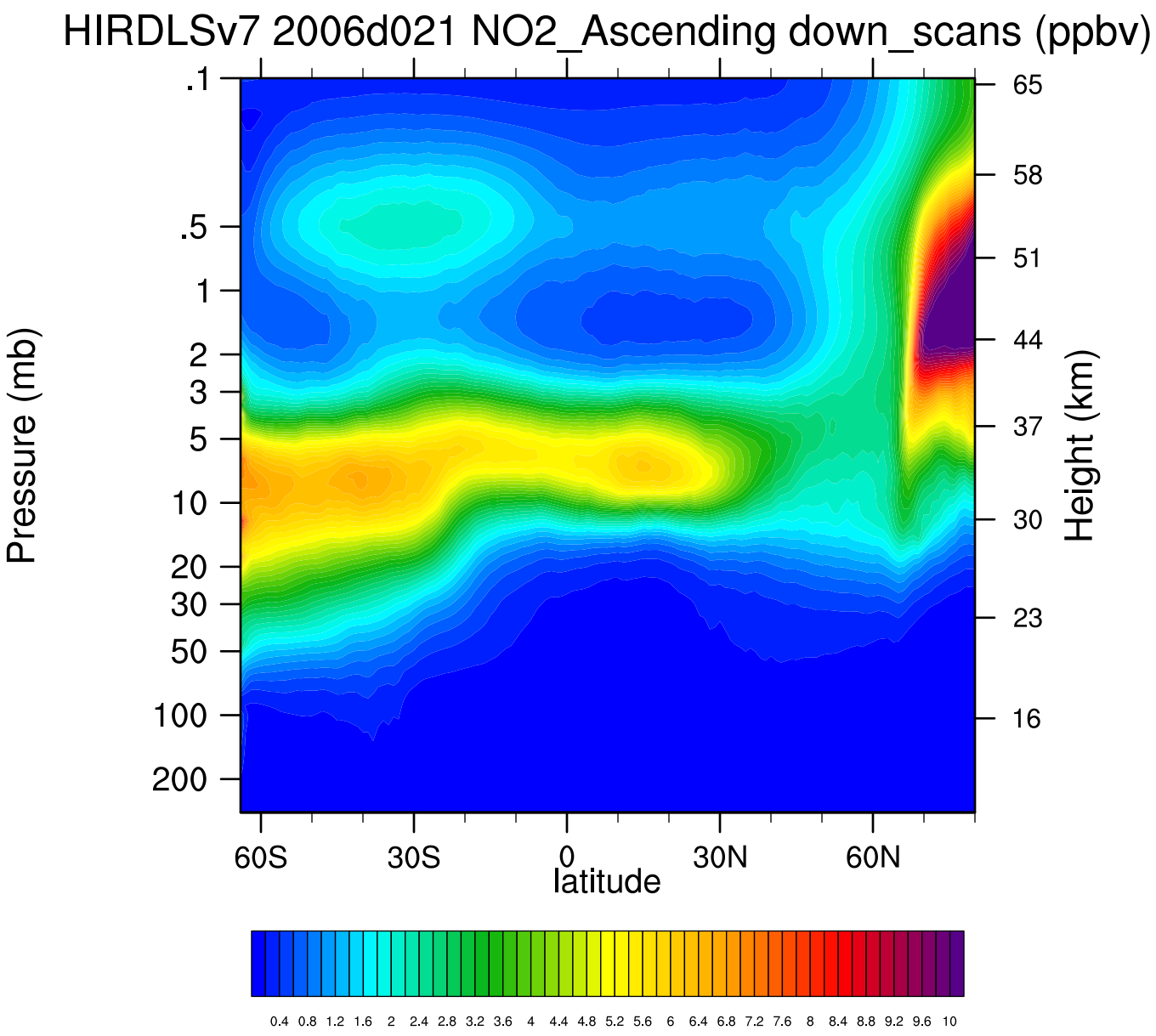

HIRDLSv7 2006d016 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

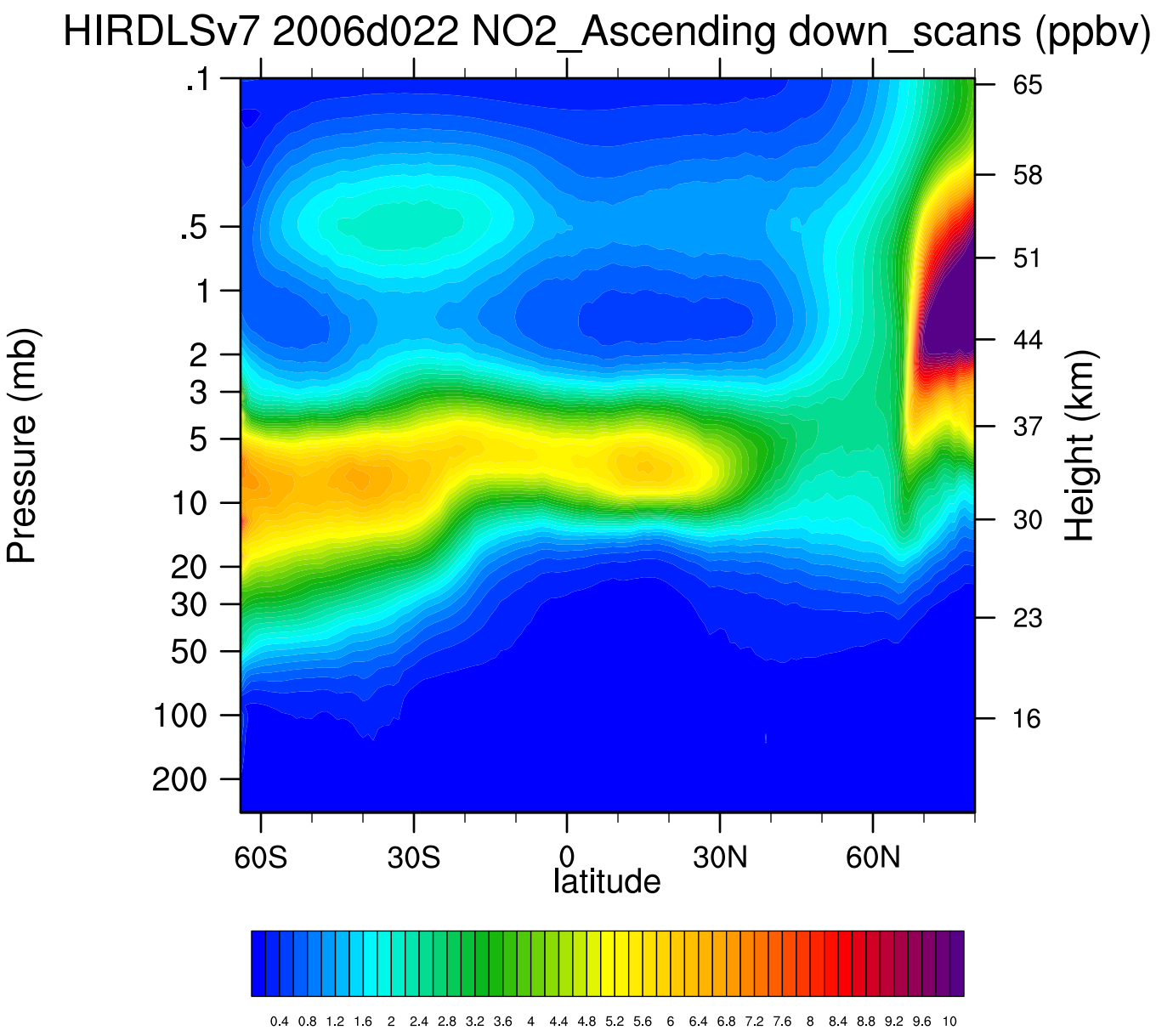

HIRDLSv7 2006d017 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

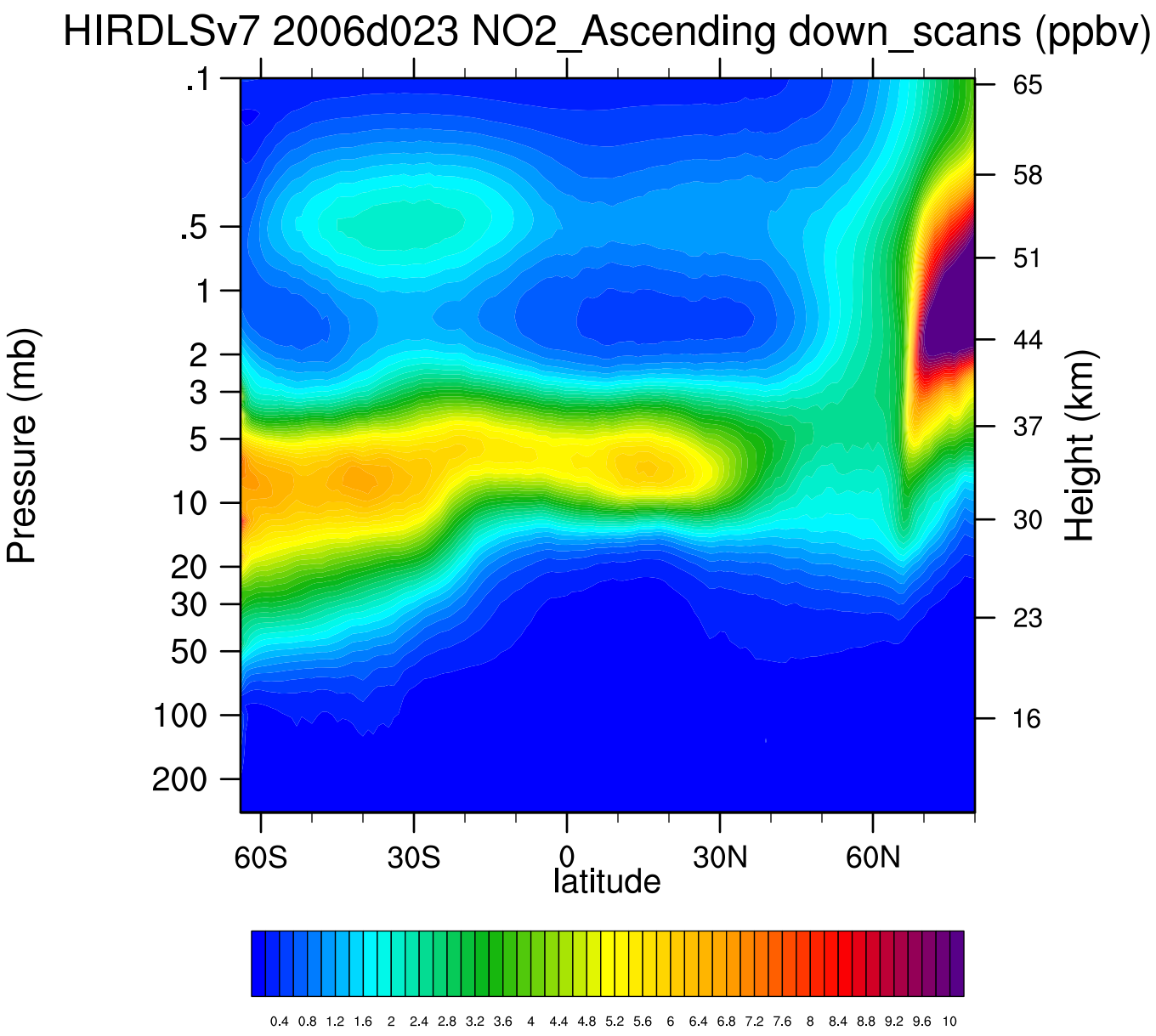

HIRDLSv7 2006d018 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

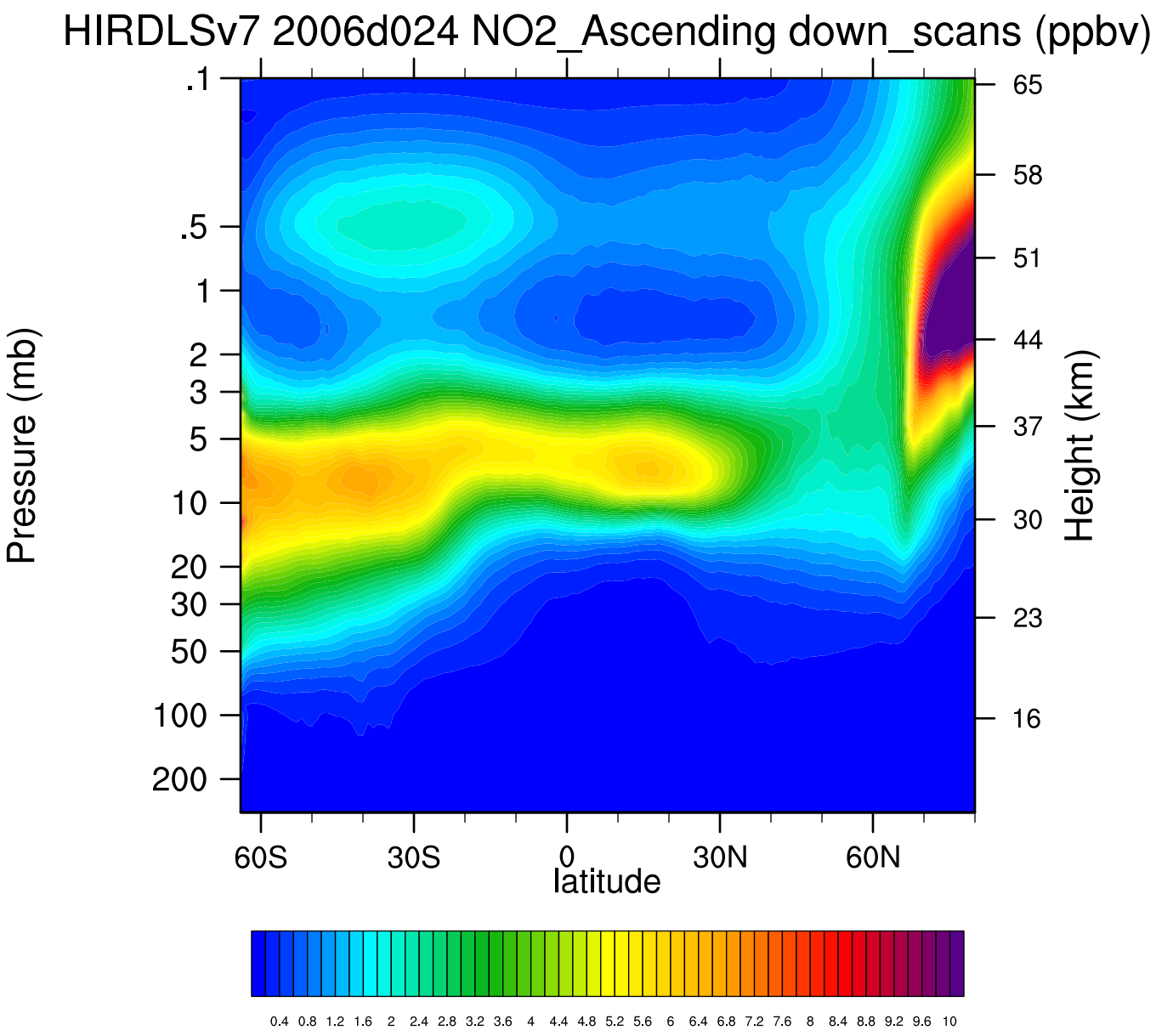

HIRDLSv7 2006d019 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

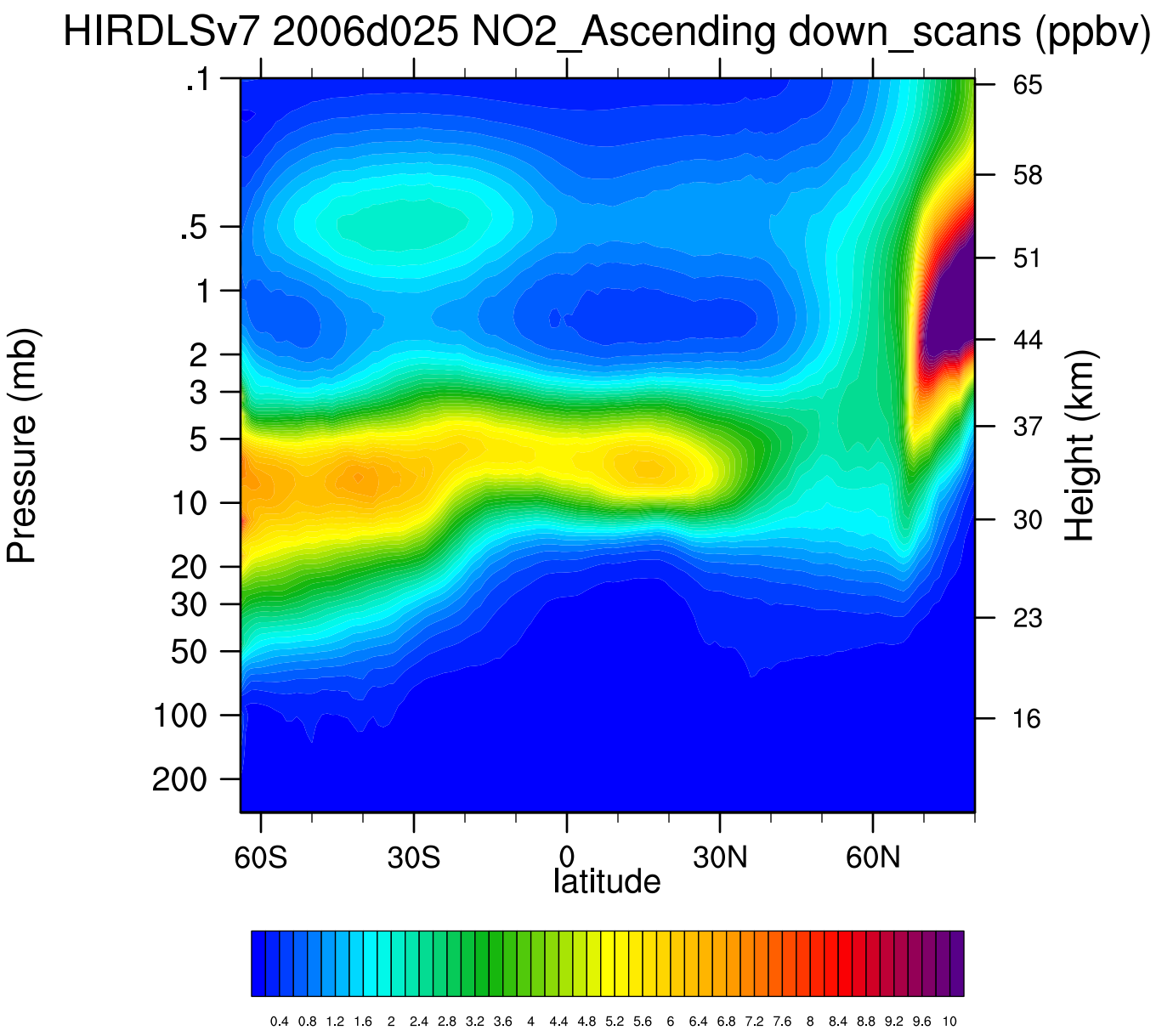

HIRDLSv7 2006d020 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

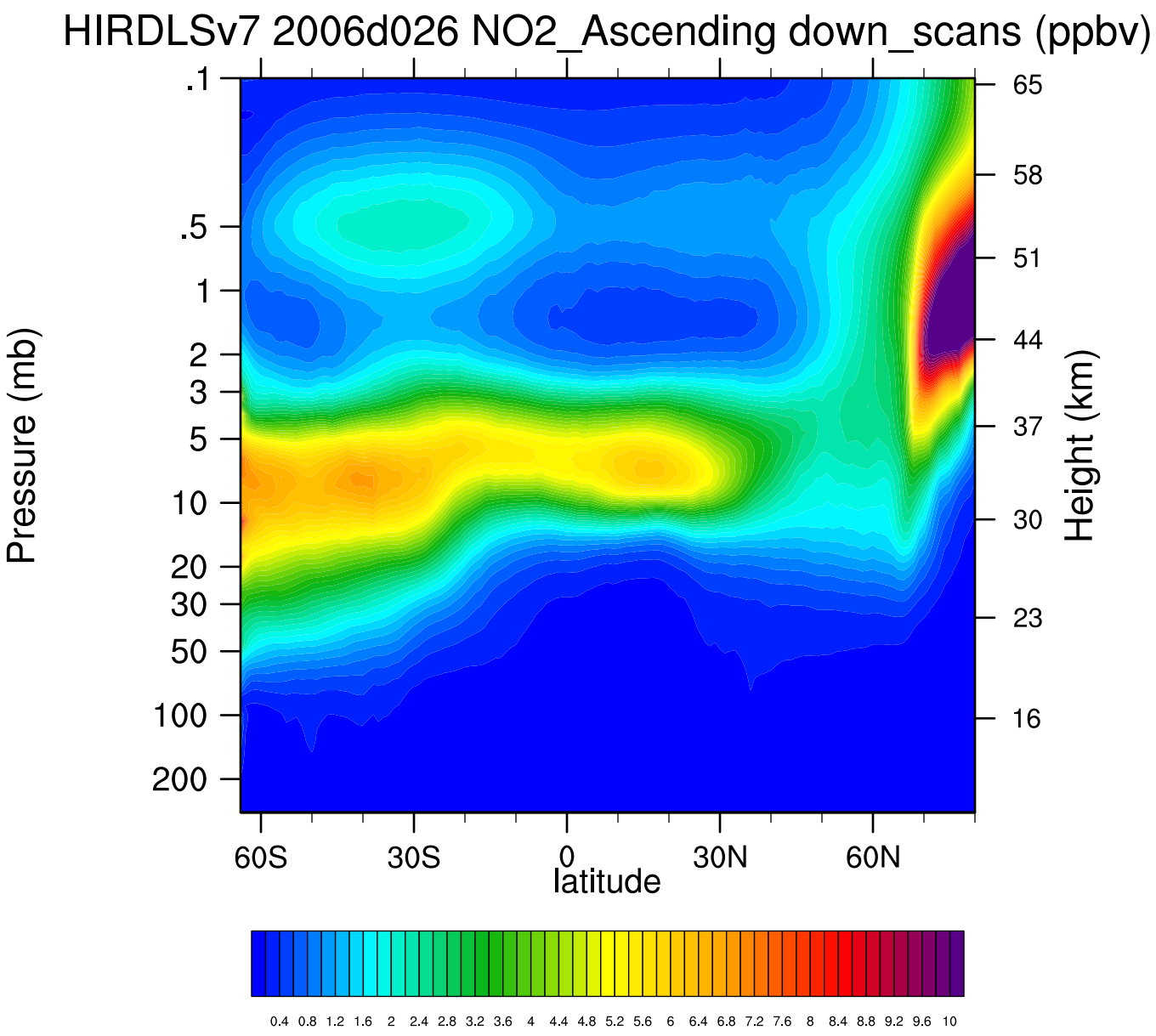

HIRDLSv7 2006d021 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

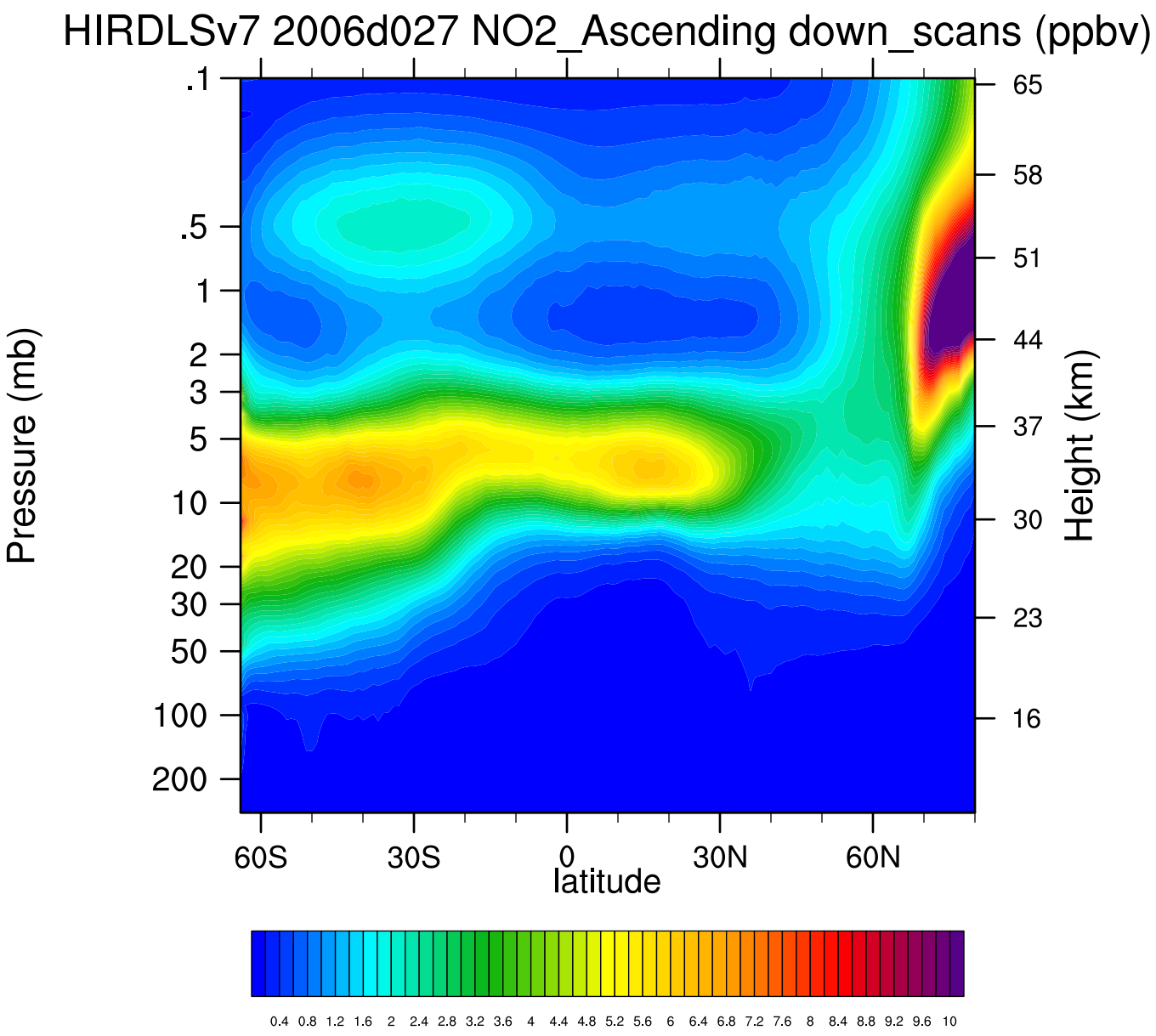

HIRDLSv7 2006d022 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

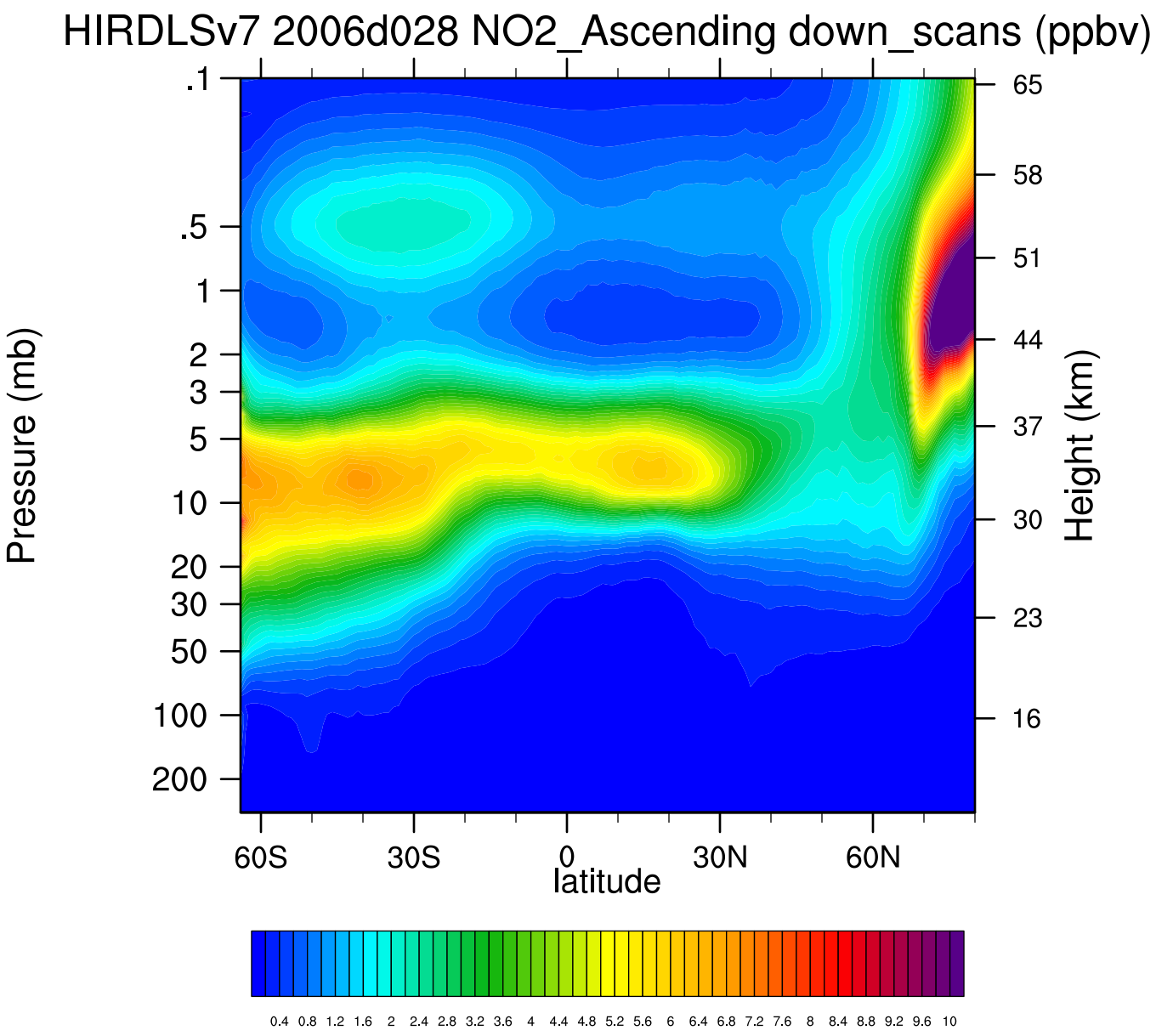

HIRDLSv7 2006d023 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

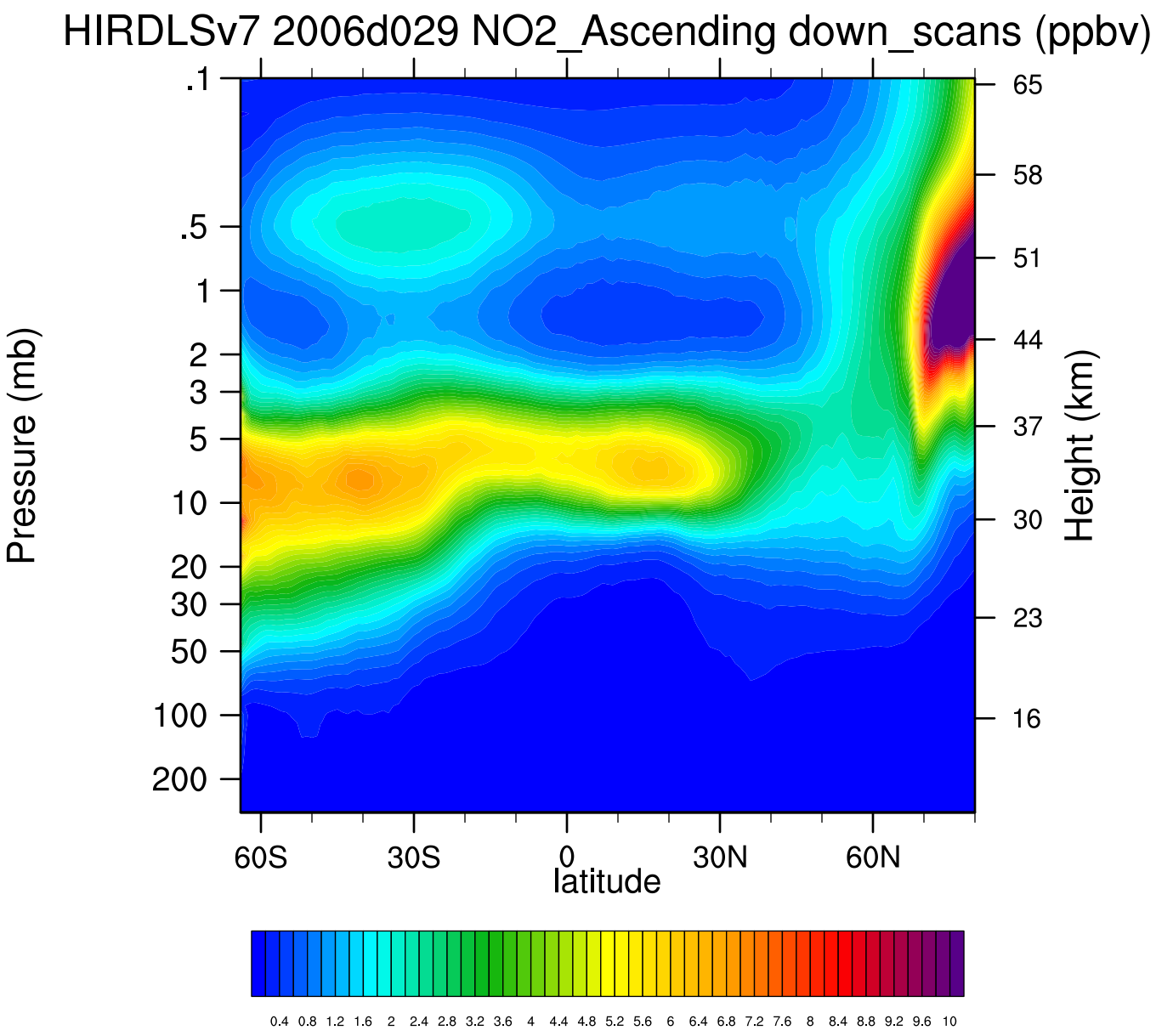

HIRDLSv7 2006d024 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

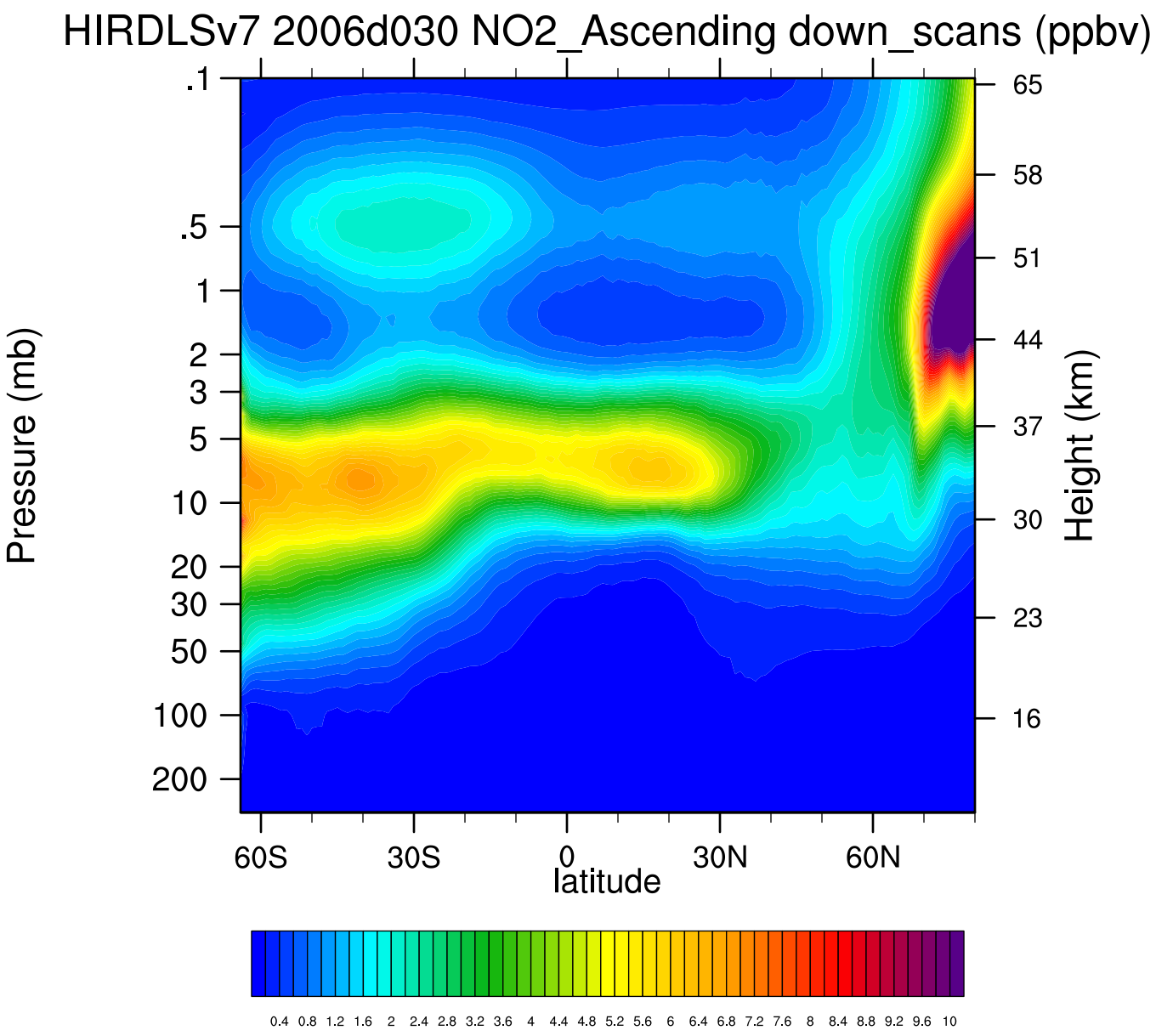

HIRDLSv7 2006d025 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

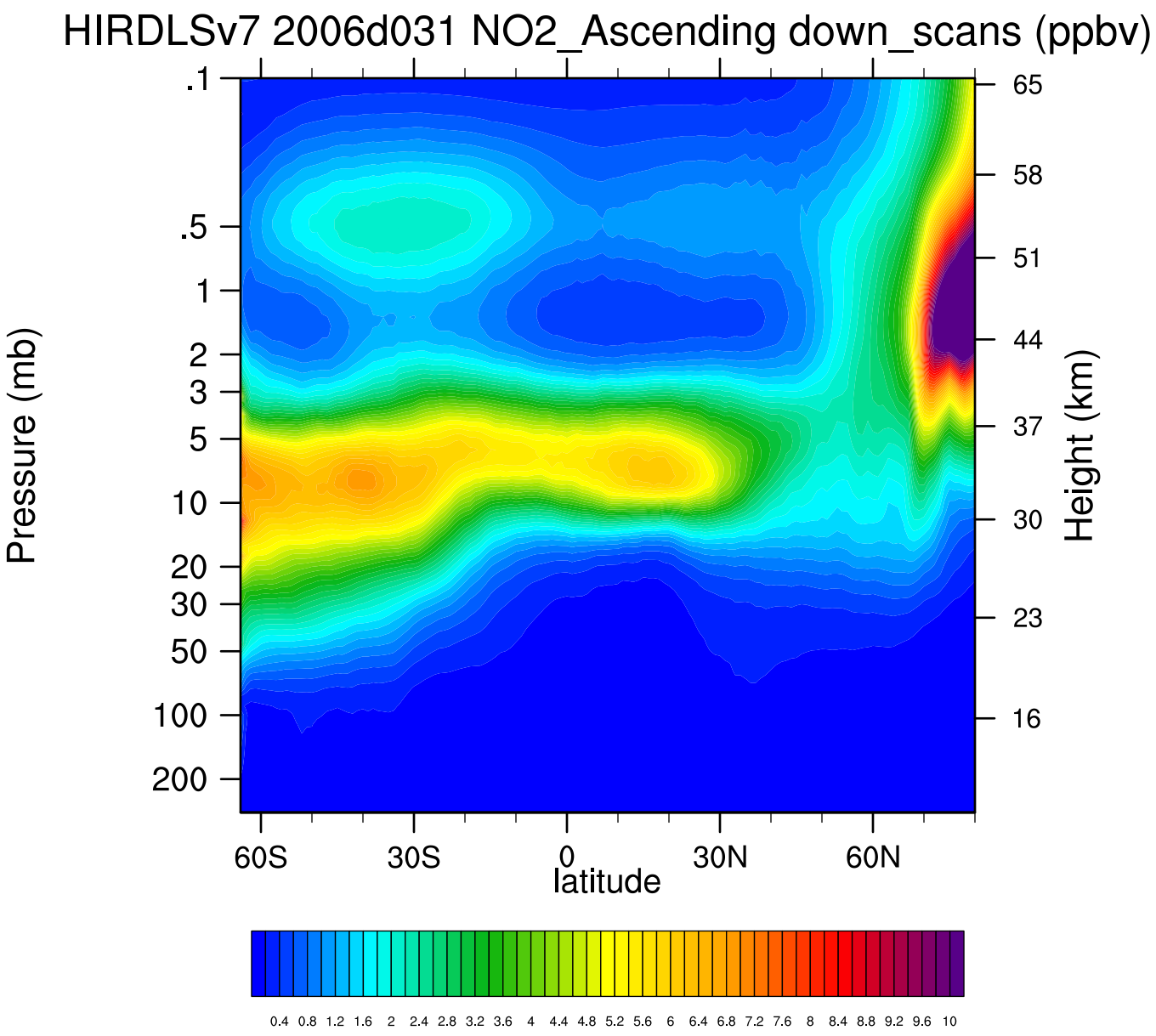

HIRDLSv7 2006d026 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

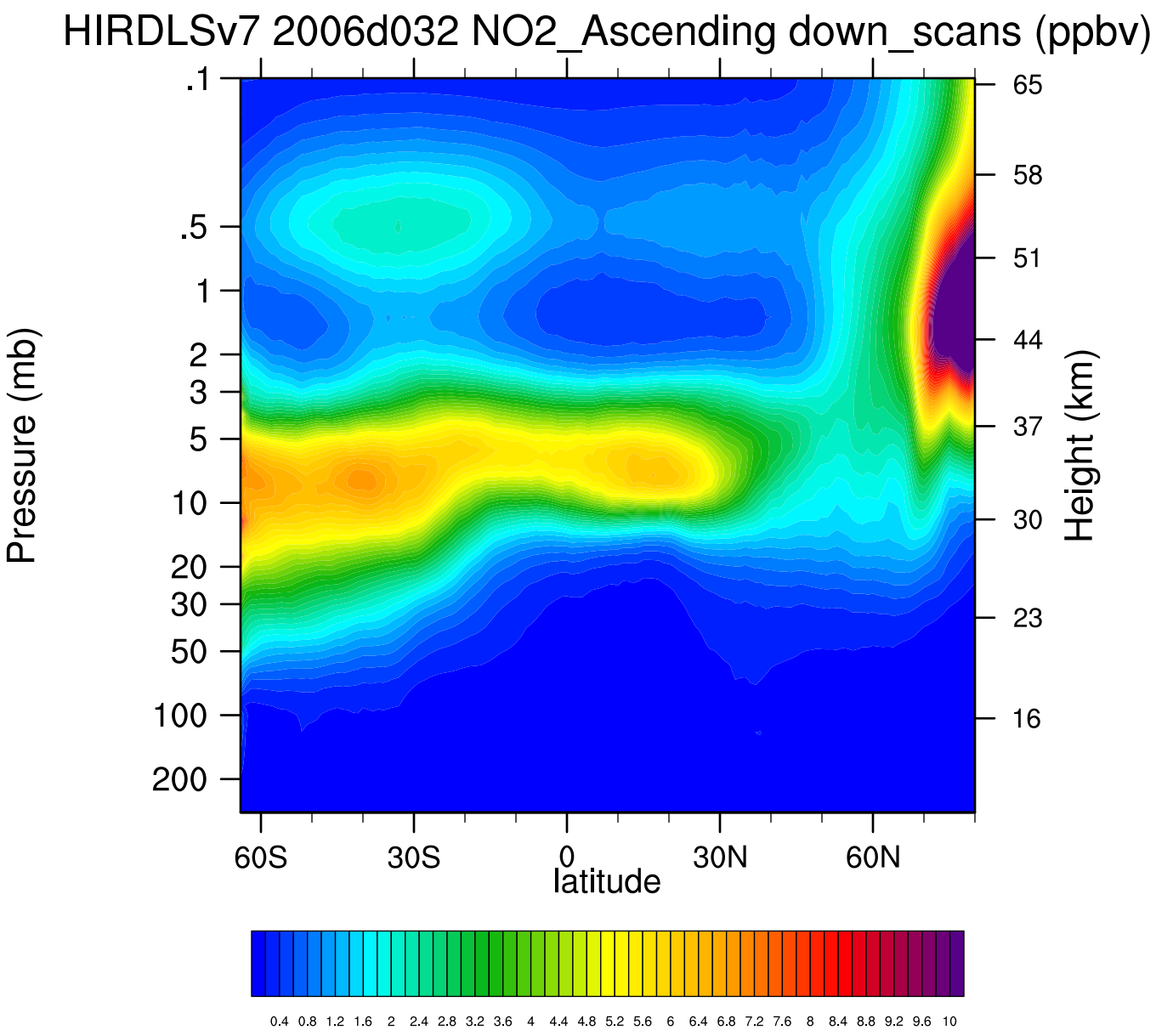

HIRDLSv7 2006d027 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

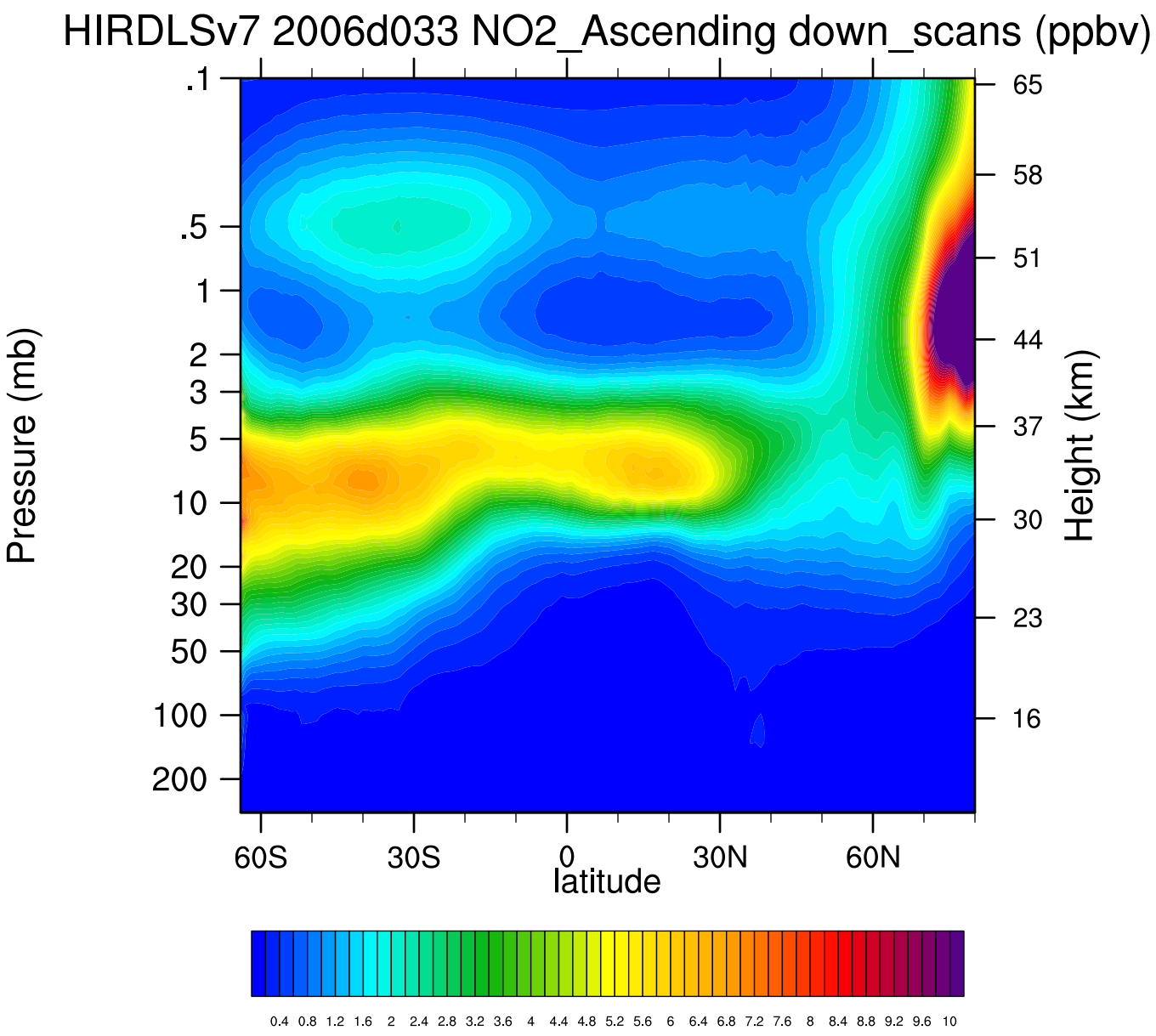

HIRDLSv7 2006d028 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

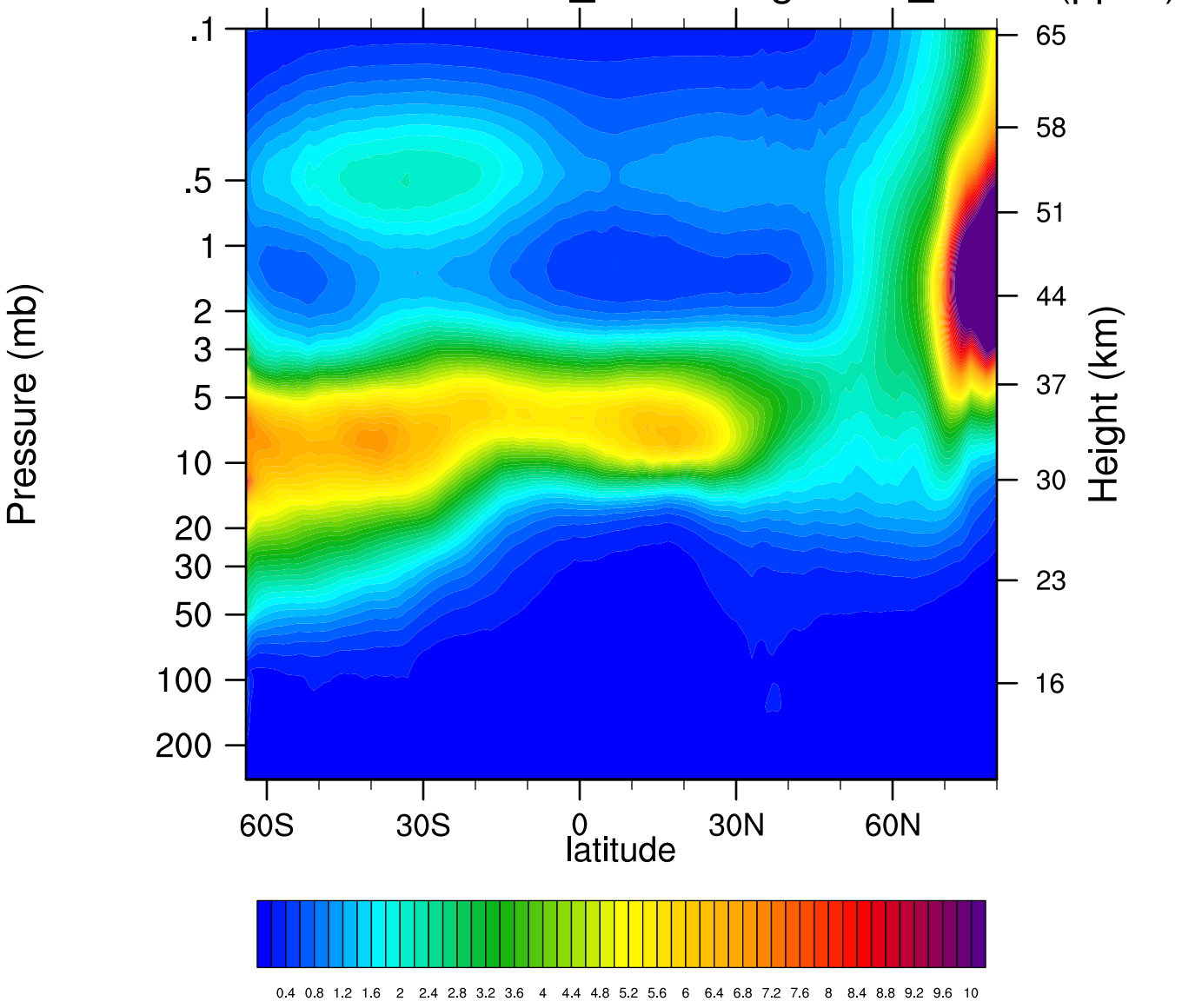

HIRDLSv7 2006d029 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

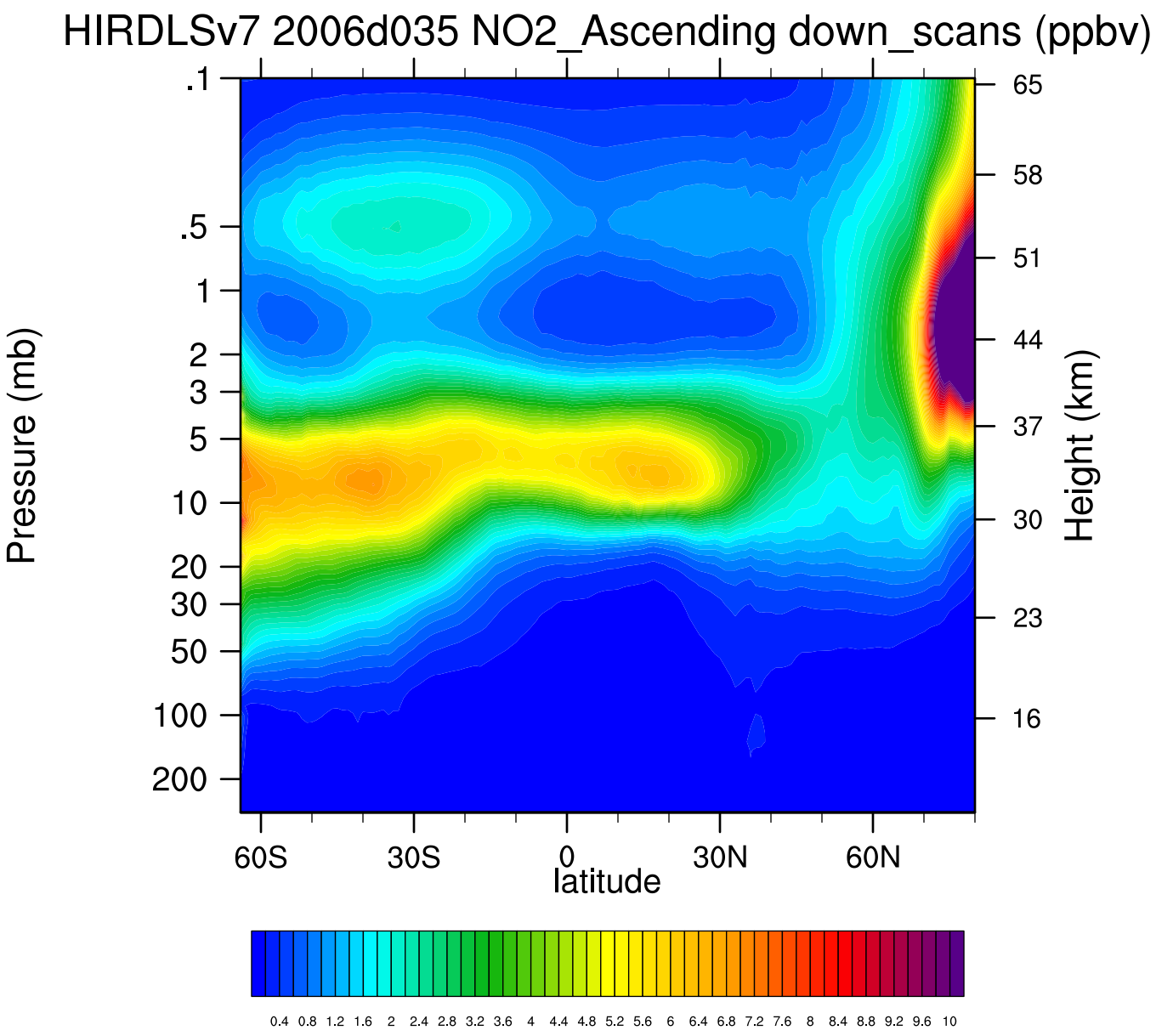

HIRDLSv7 2006d030 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

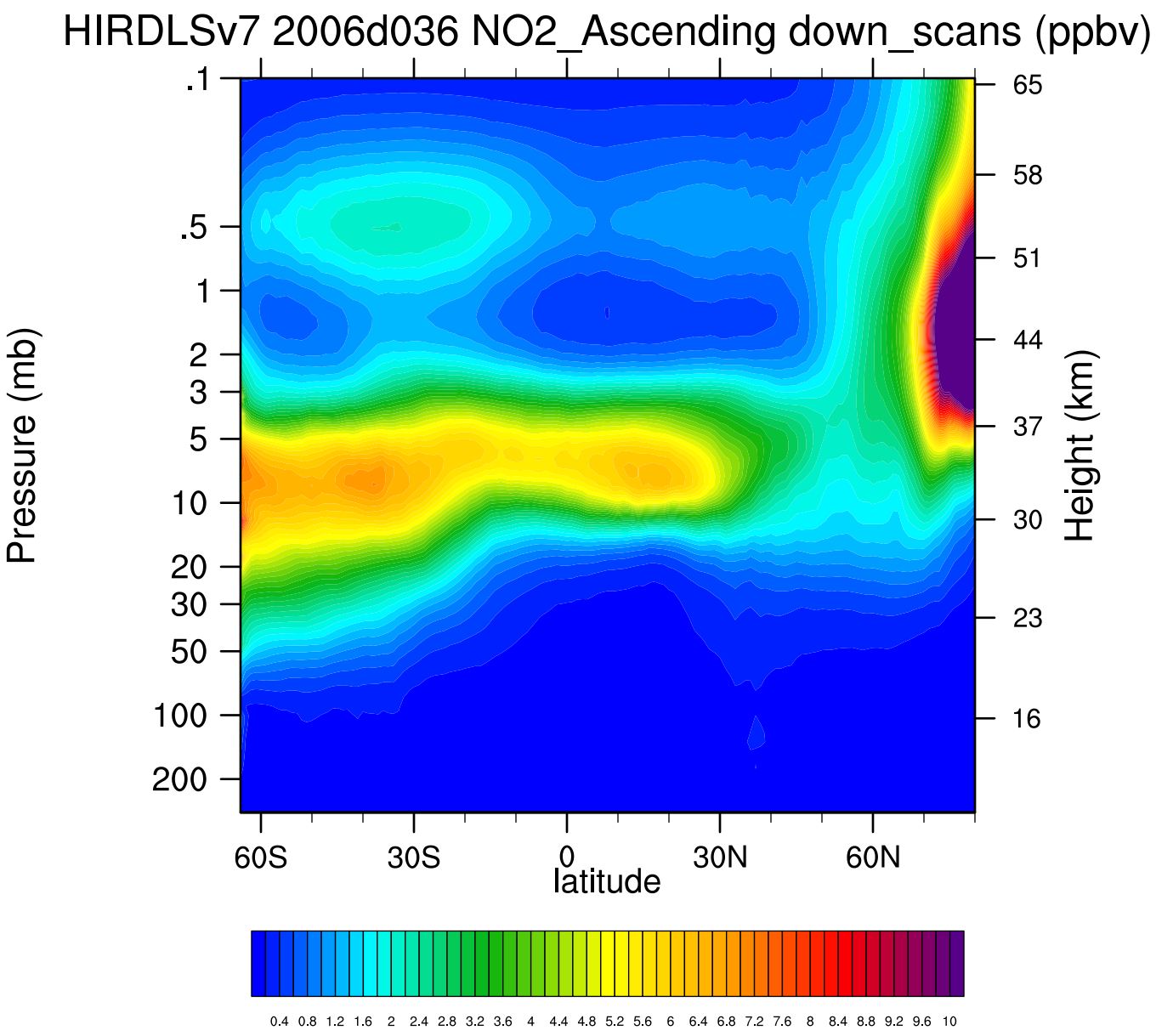

HIRDLSv7 2006d031 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

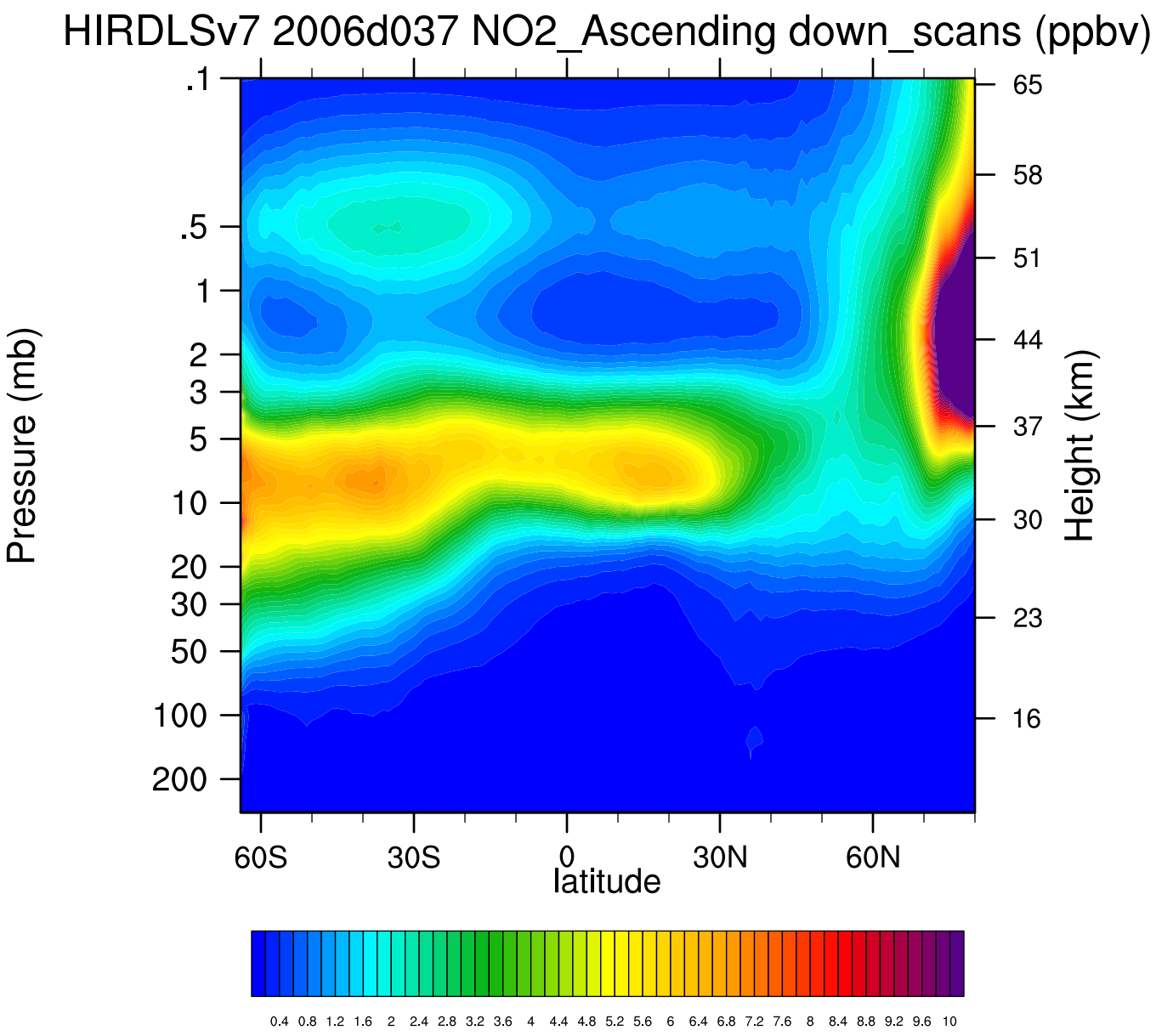

HIRDLSv7 2006d032 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

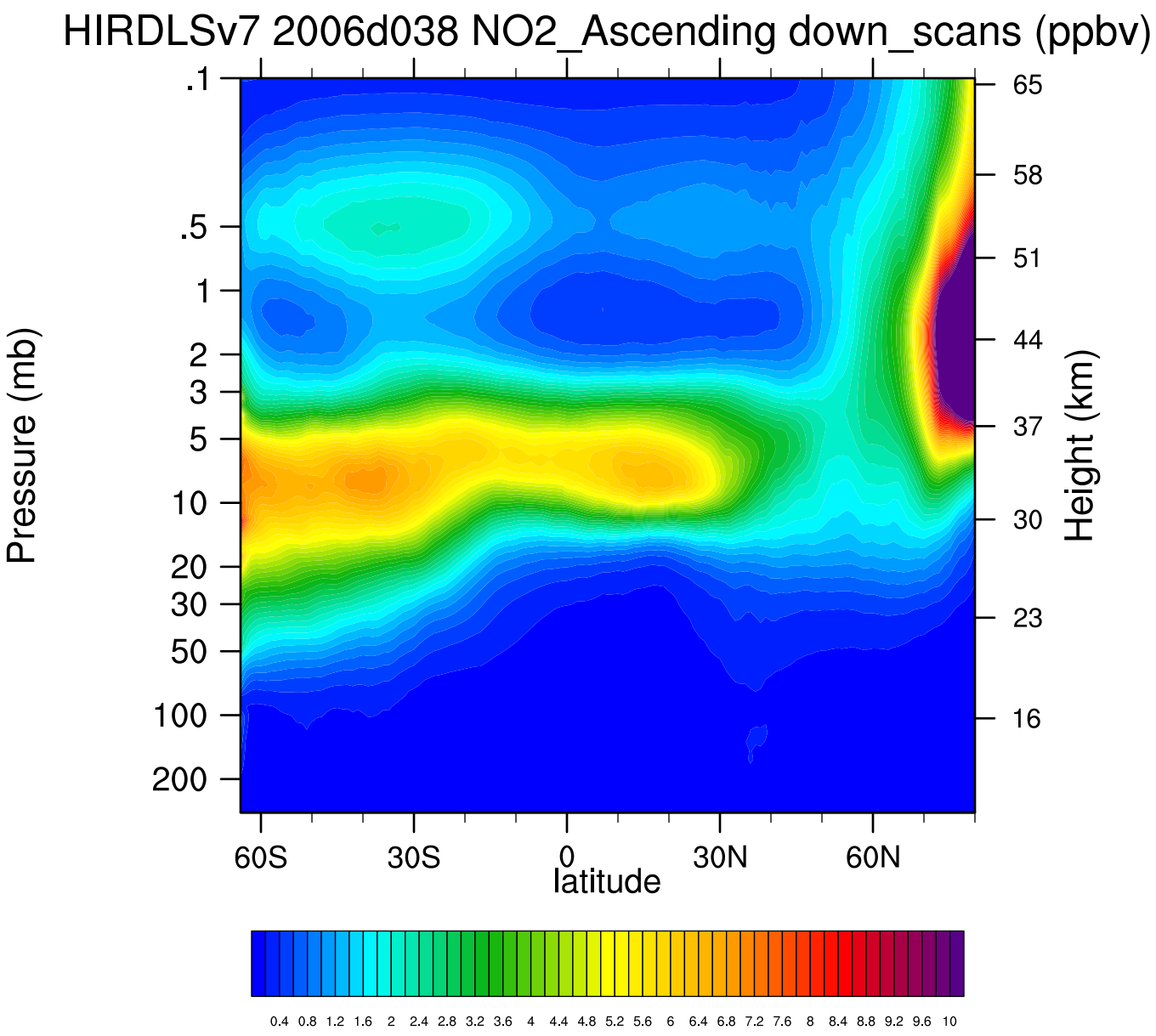

HIRDLSv7 2006d033 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

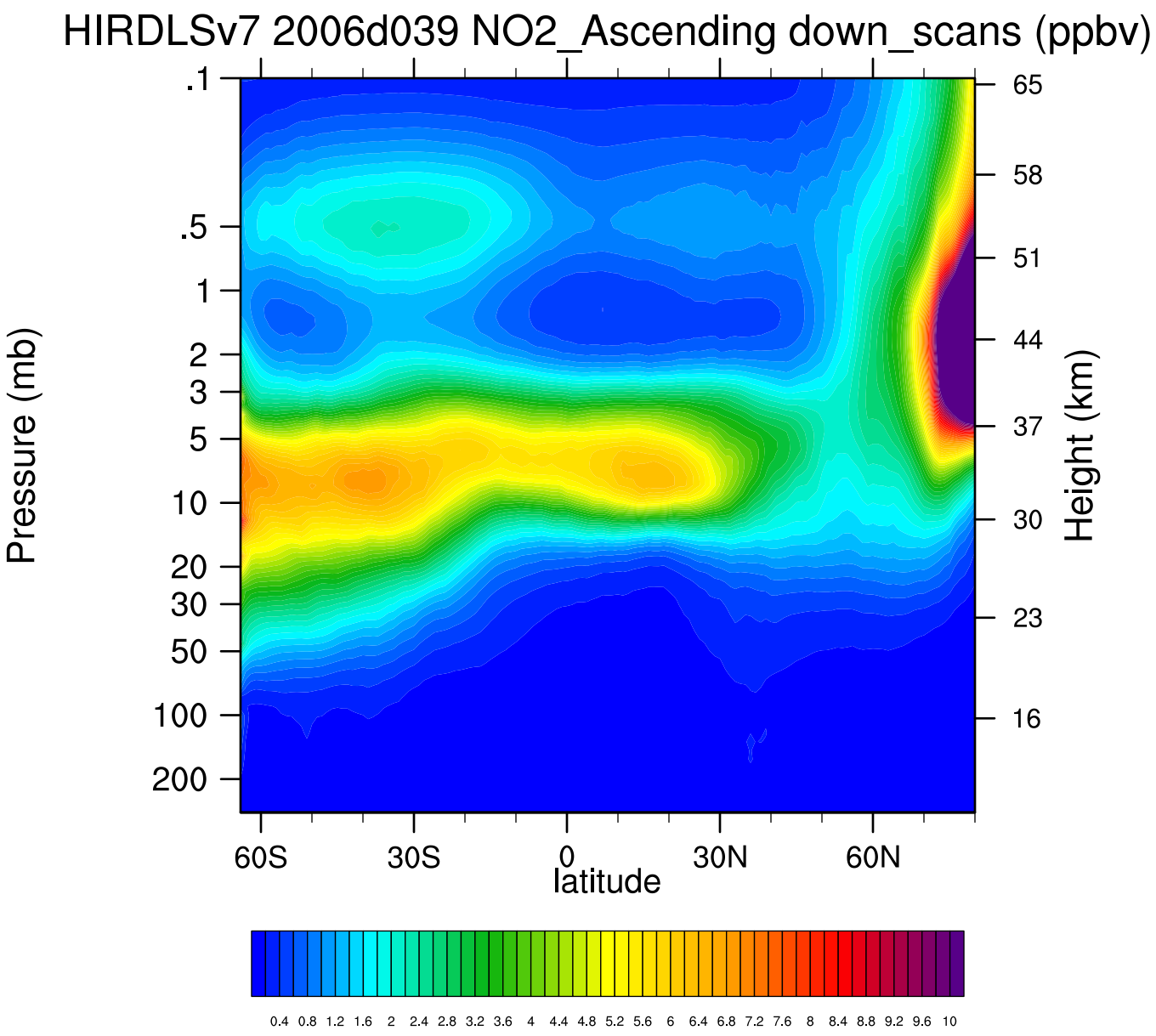

HIRDLSv7 2006d034 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

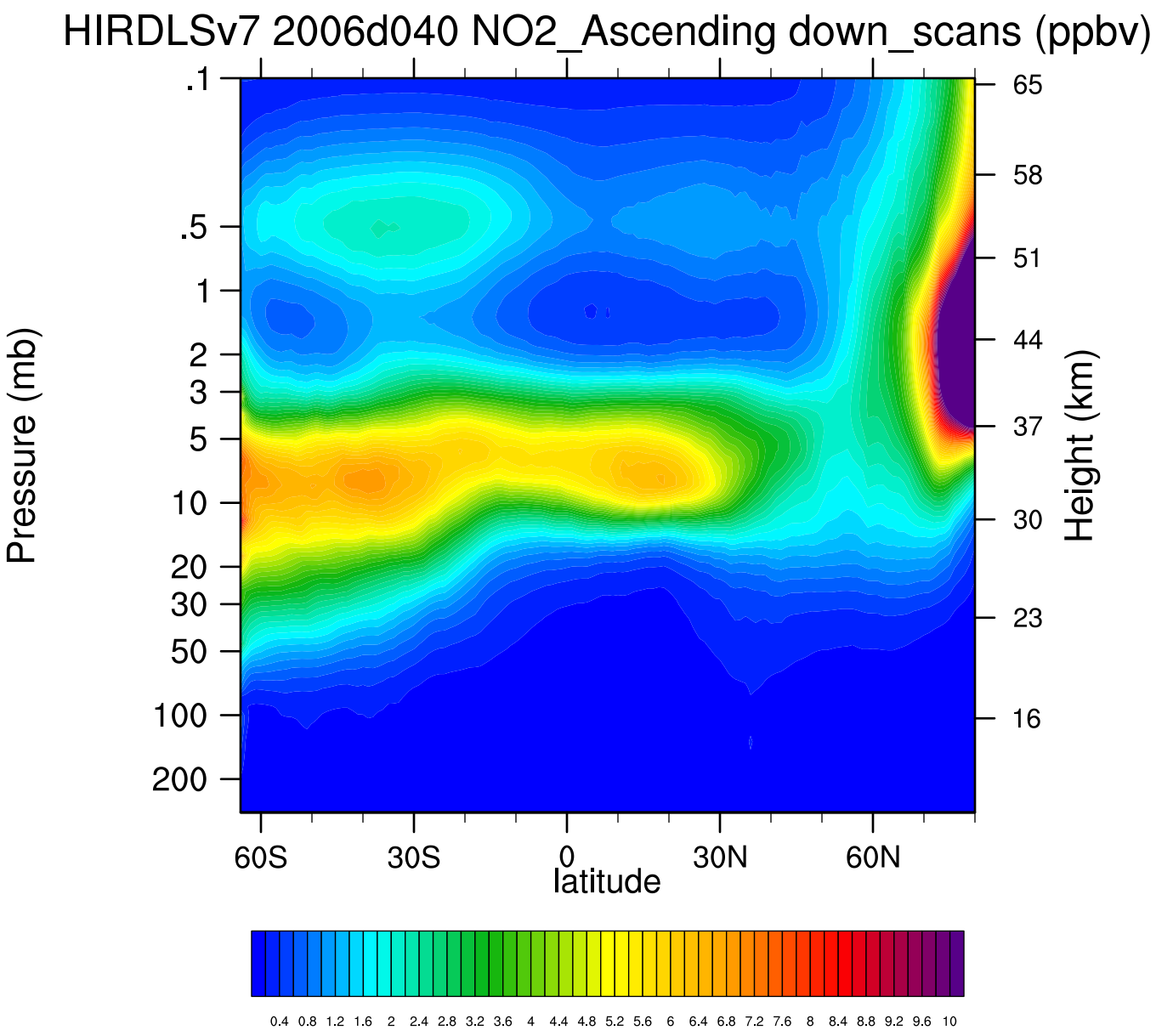

HIRDLSv7 2006d035 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

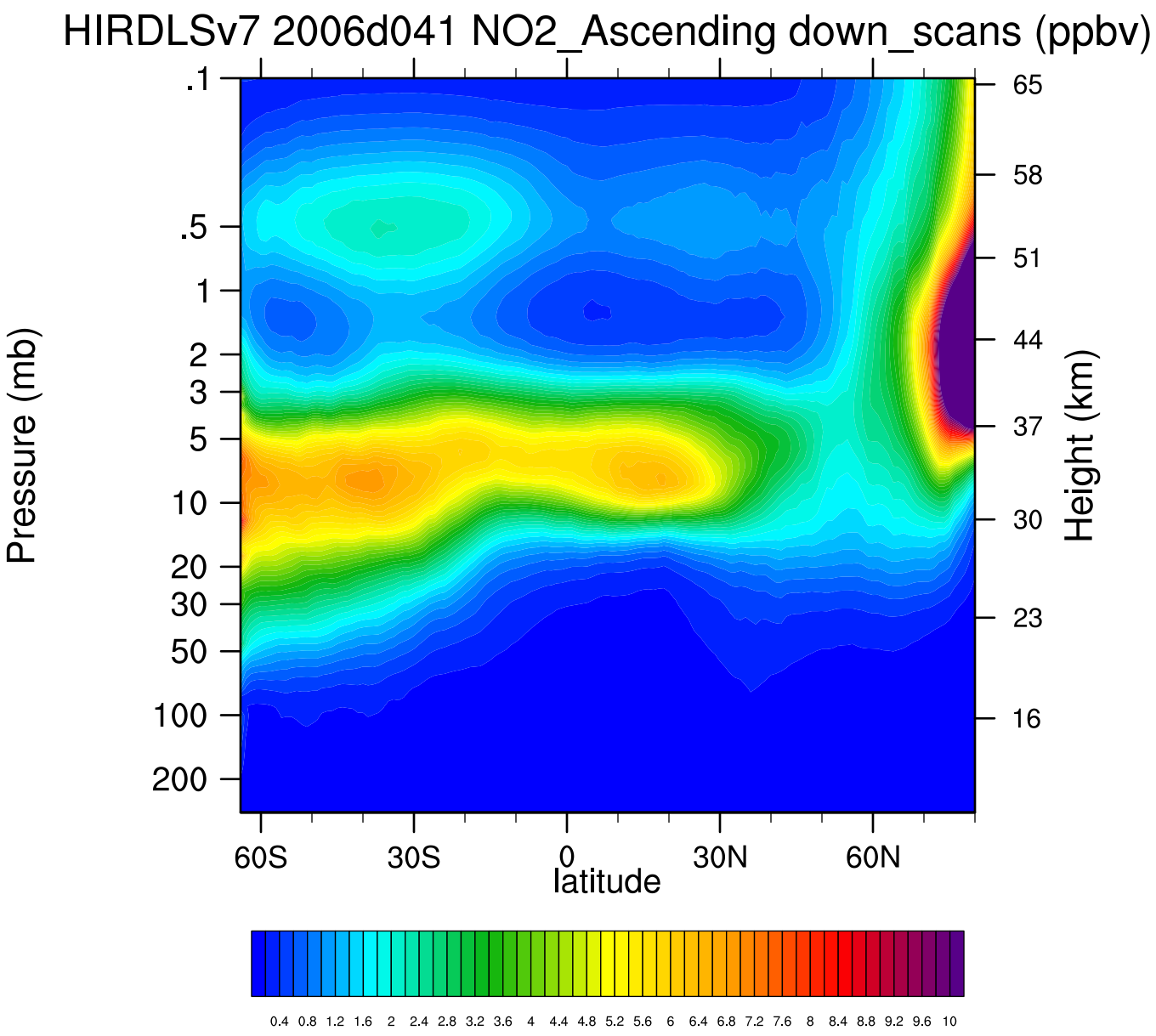

HIRDLSv7 2006d036 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

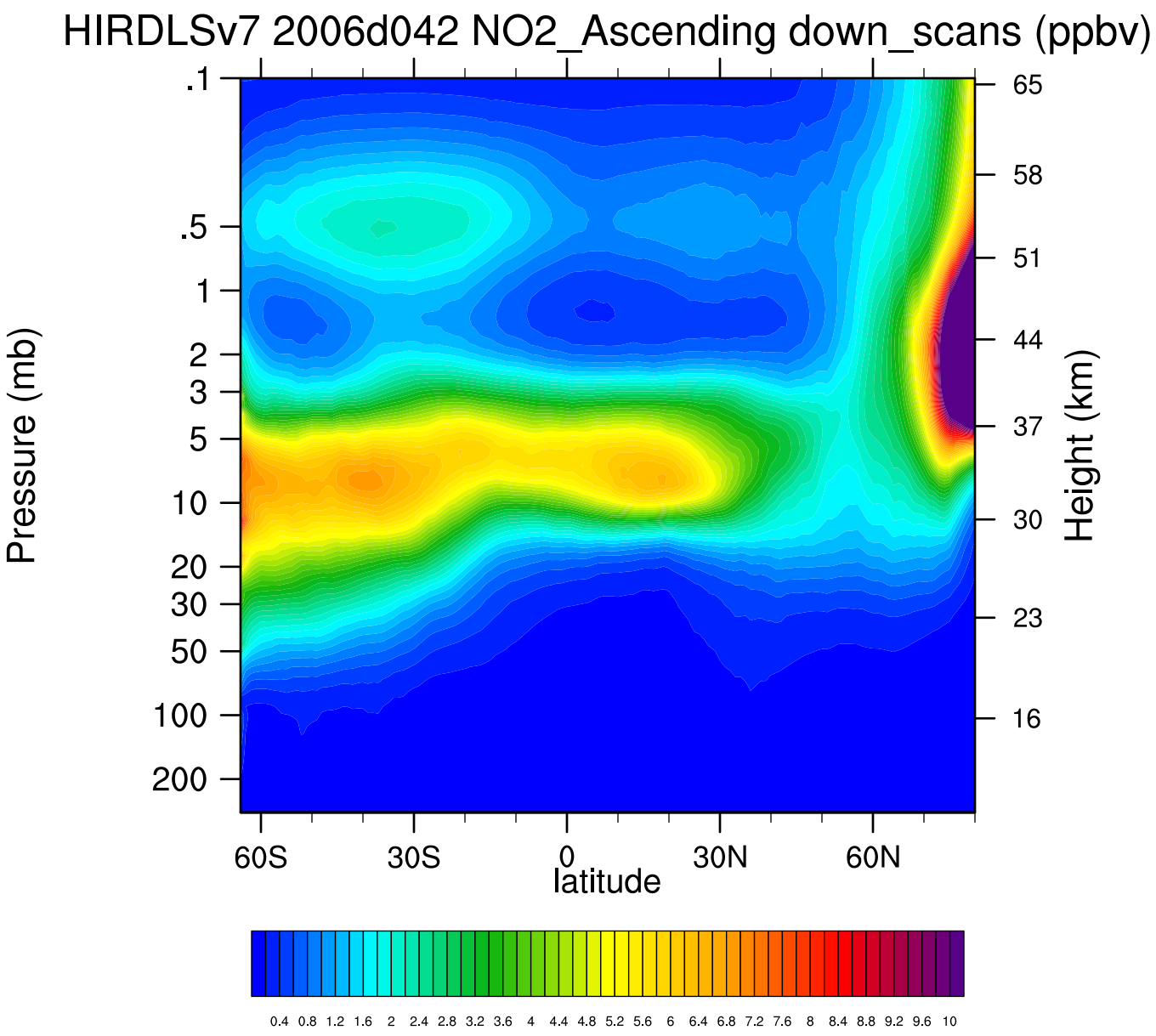

HIRDLSv7 2006d037 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

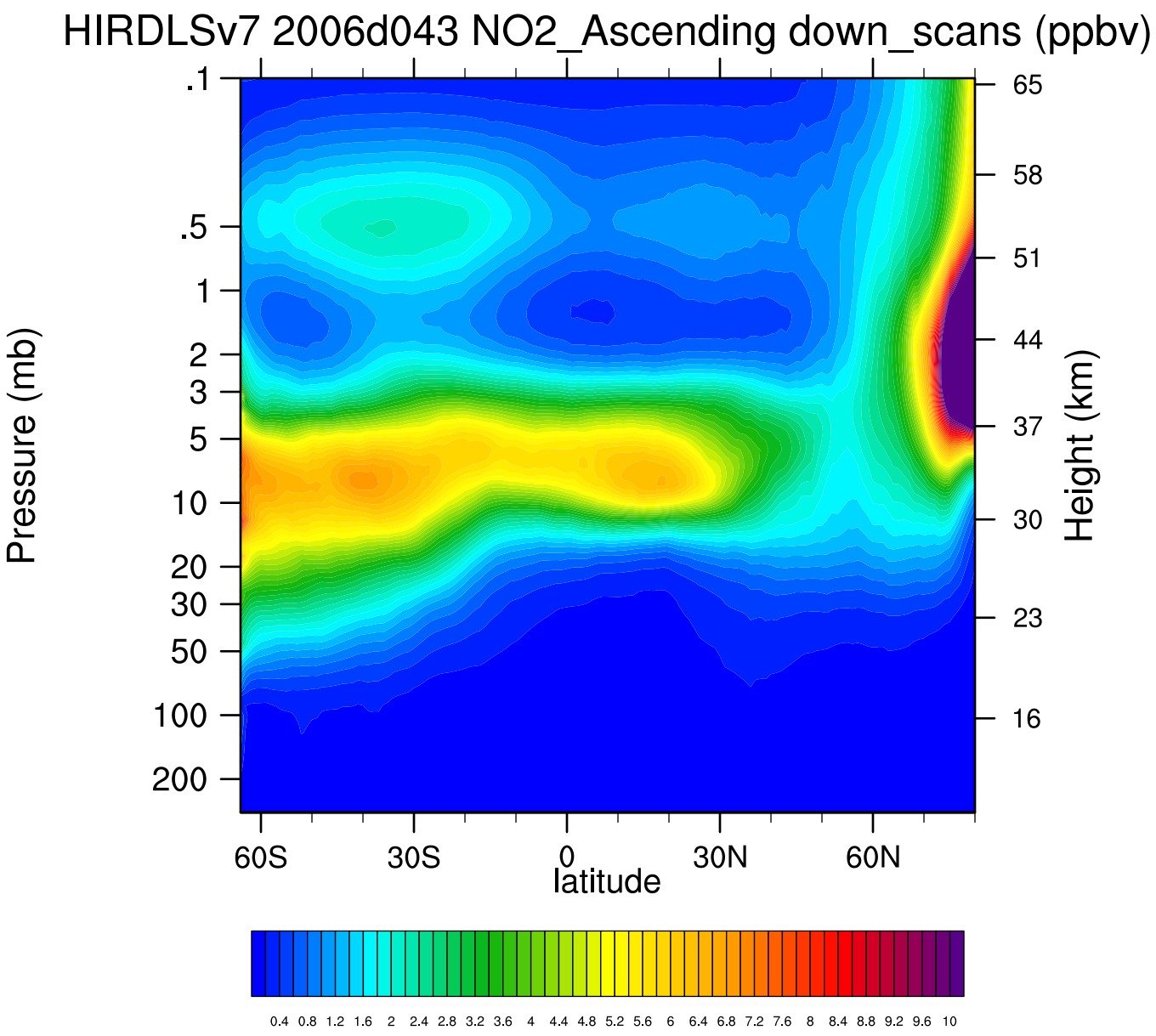

HIRDLSv7 2006d038 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2006d039 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2006d040 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2006d041 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2006d042 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2006d043 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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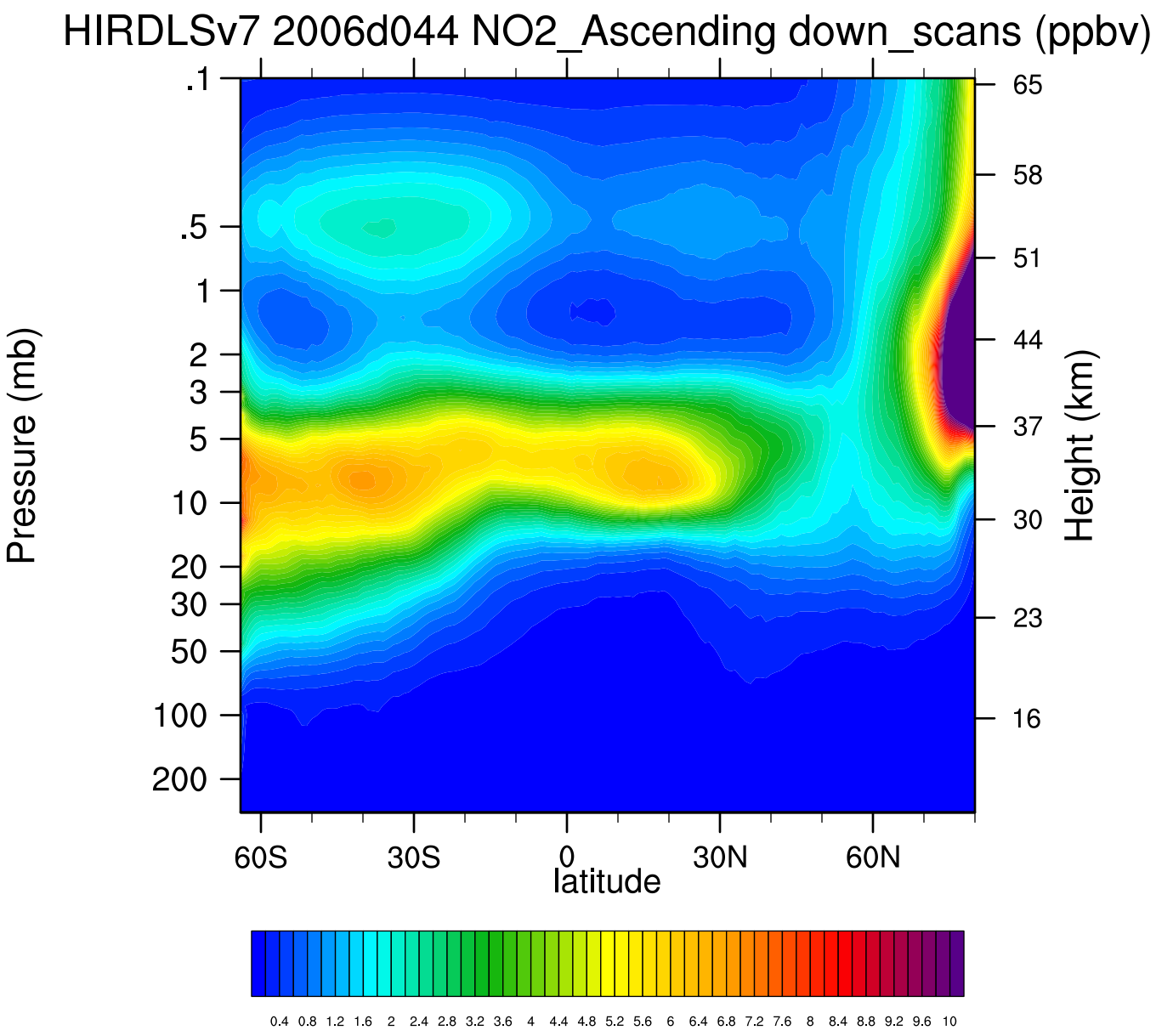
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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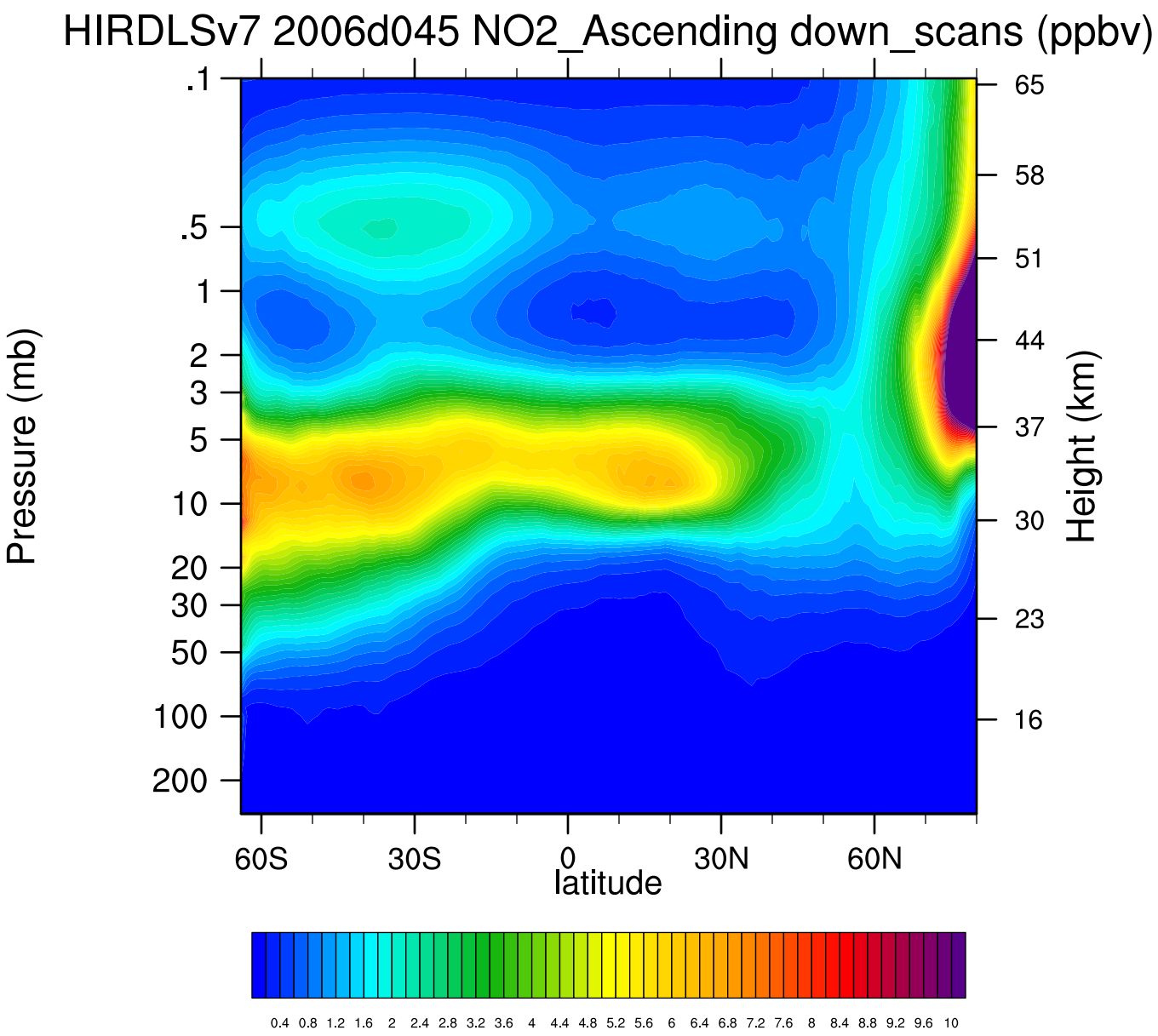
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2006d045 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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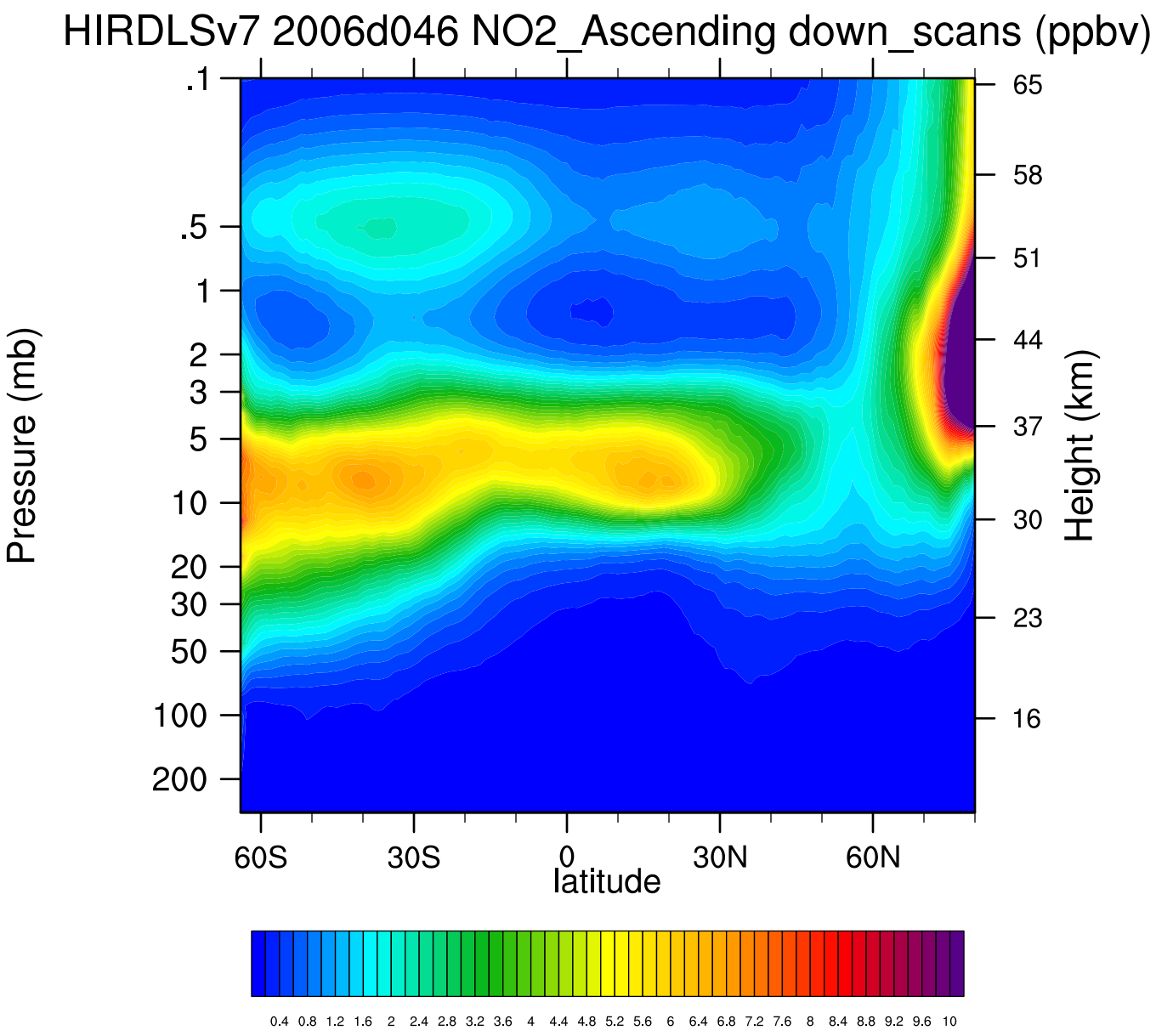
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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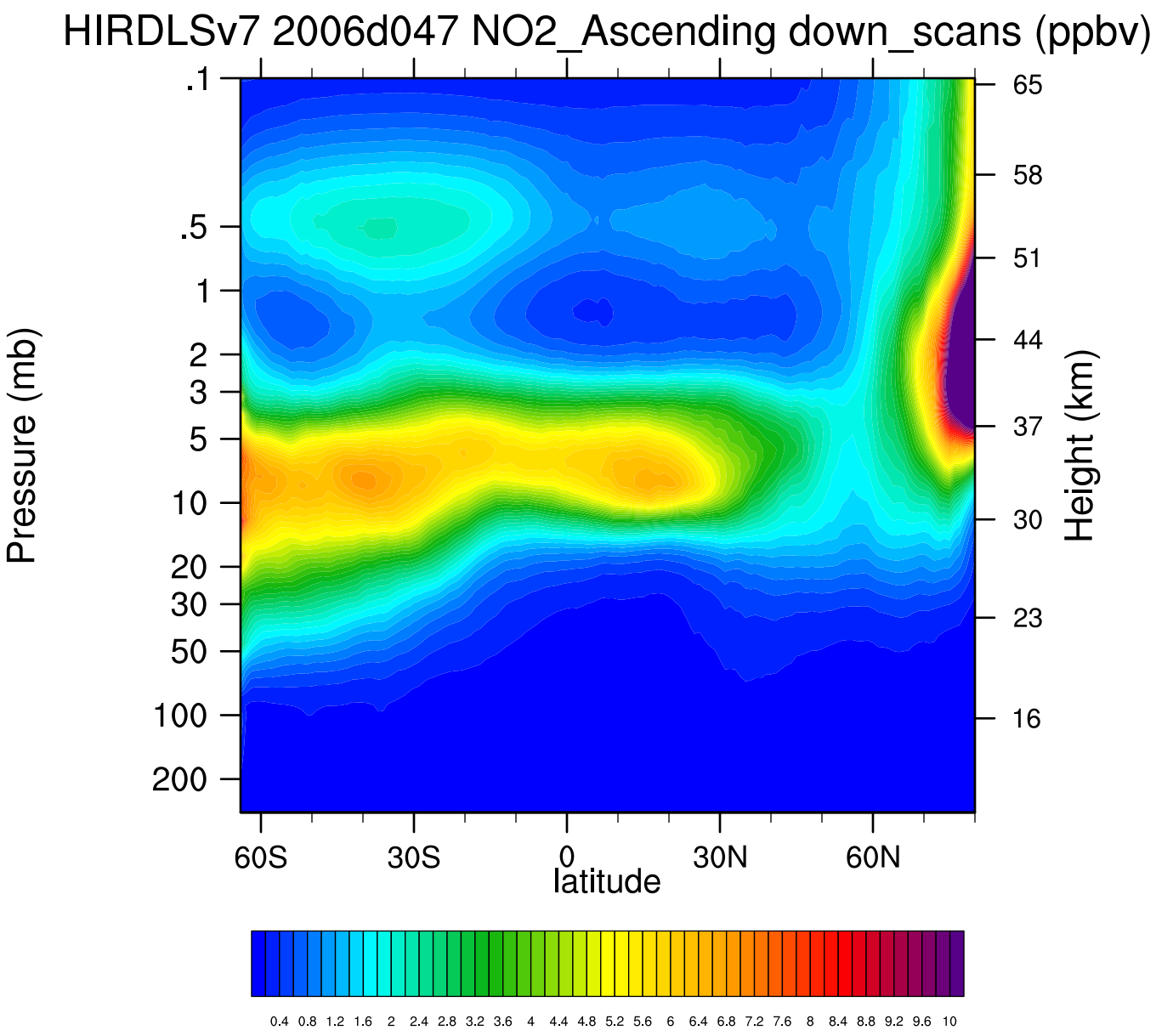
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2006d047 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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.5
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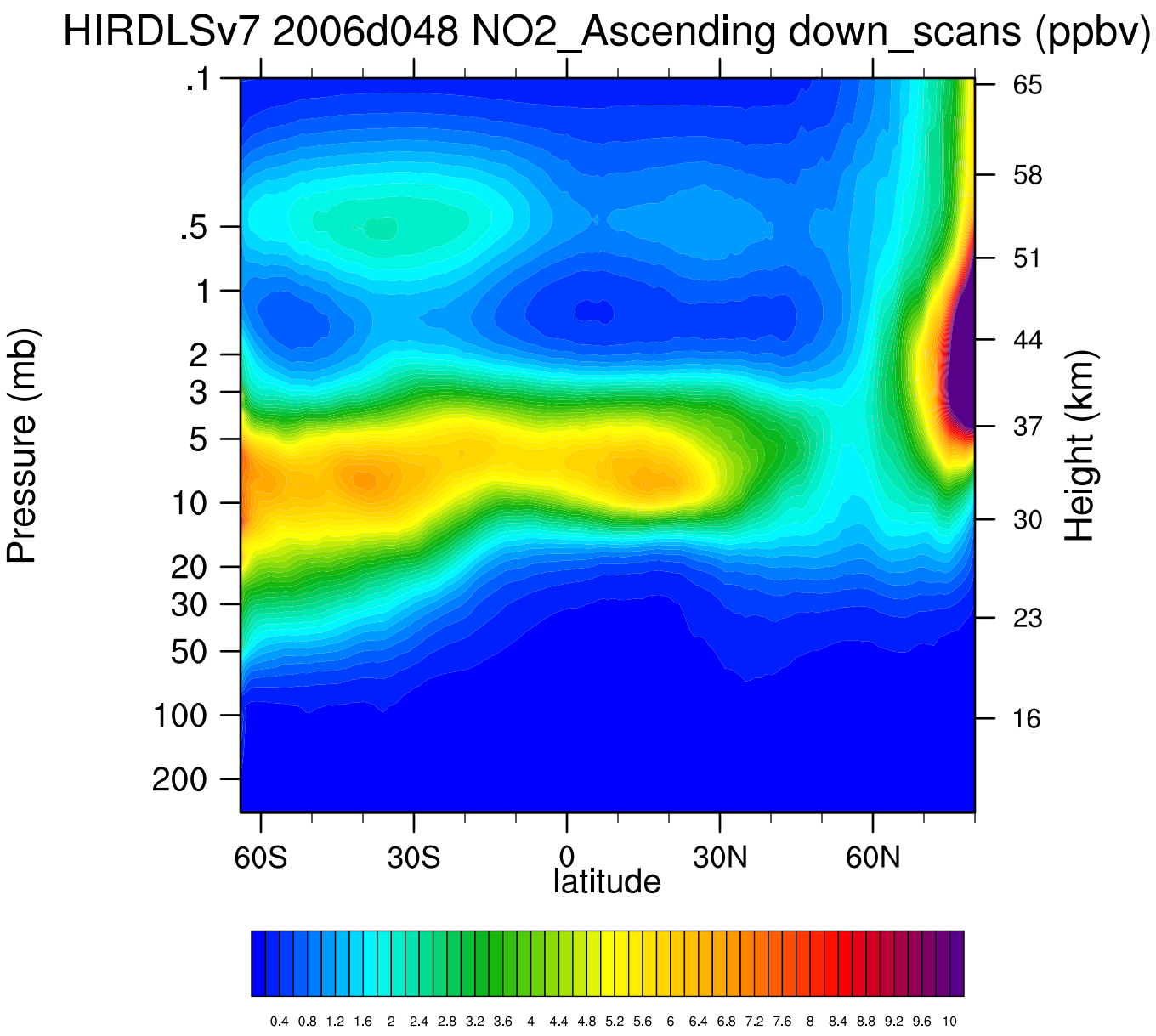
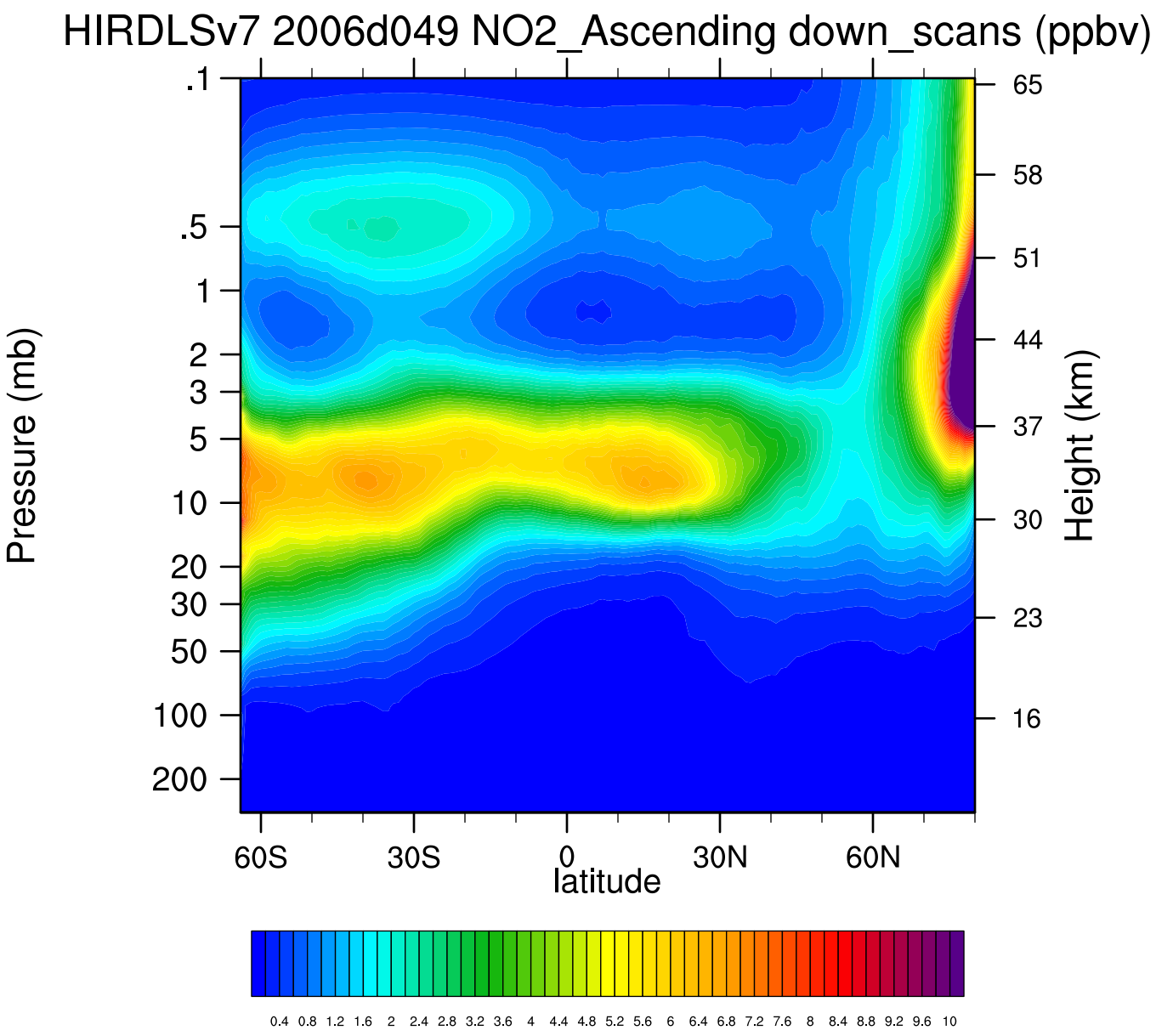
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2006d048 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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.5
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2
3
5
10
20
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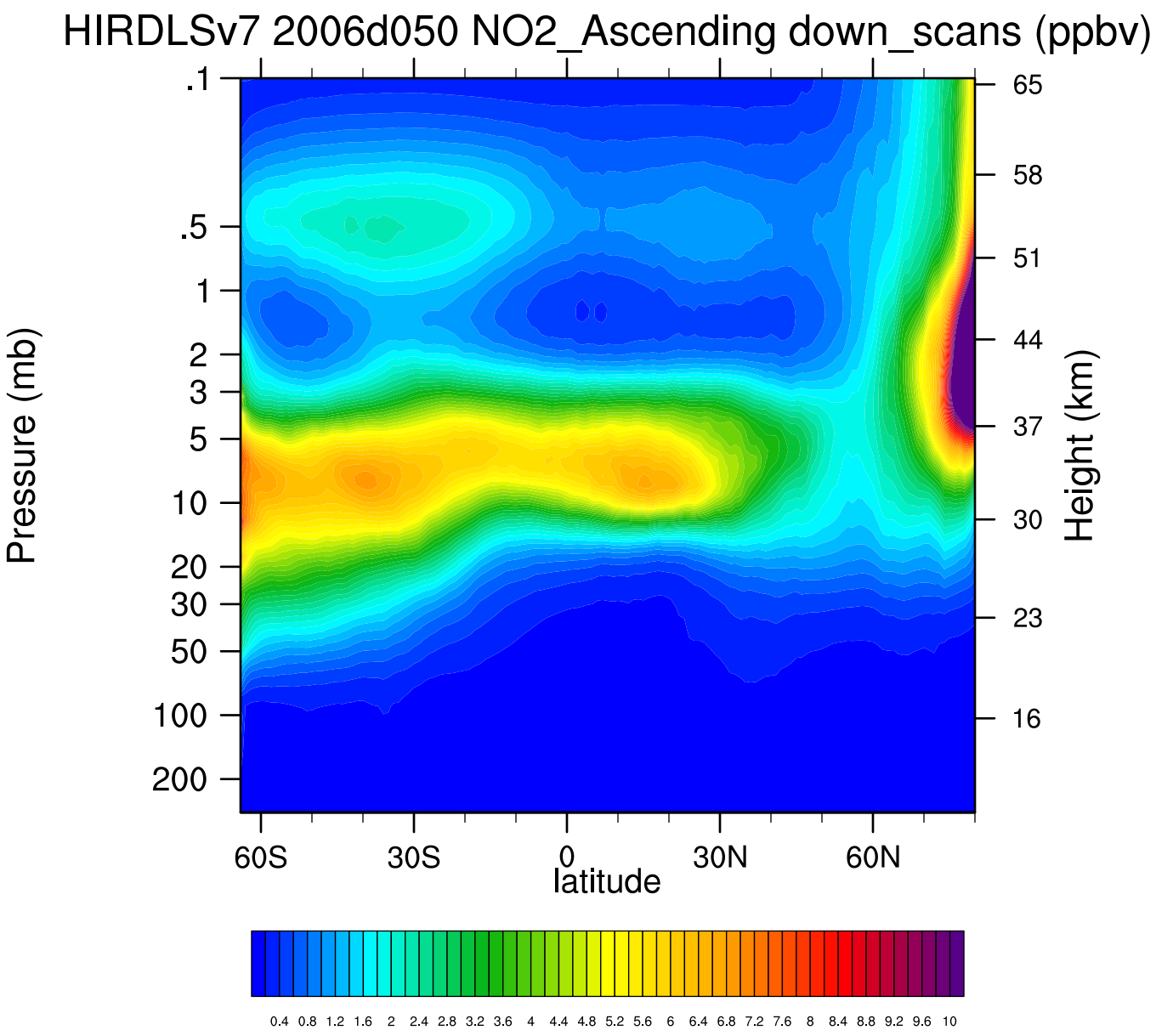
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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.5
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2
3
5
10
20
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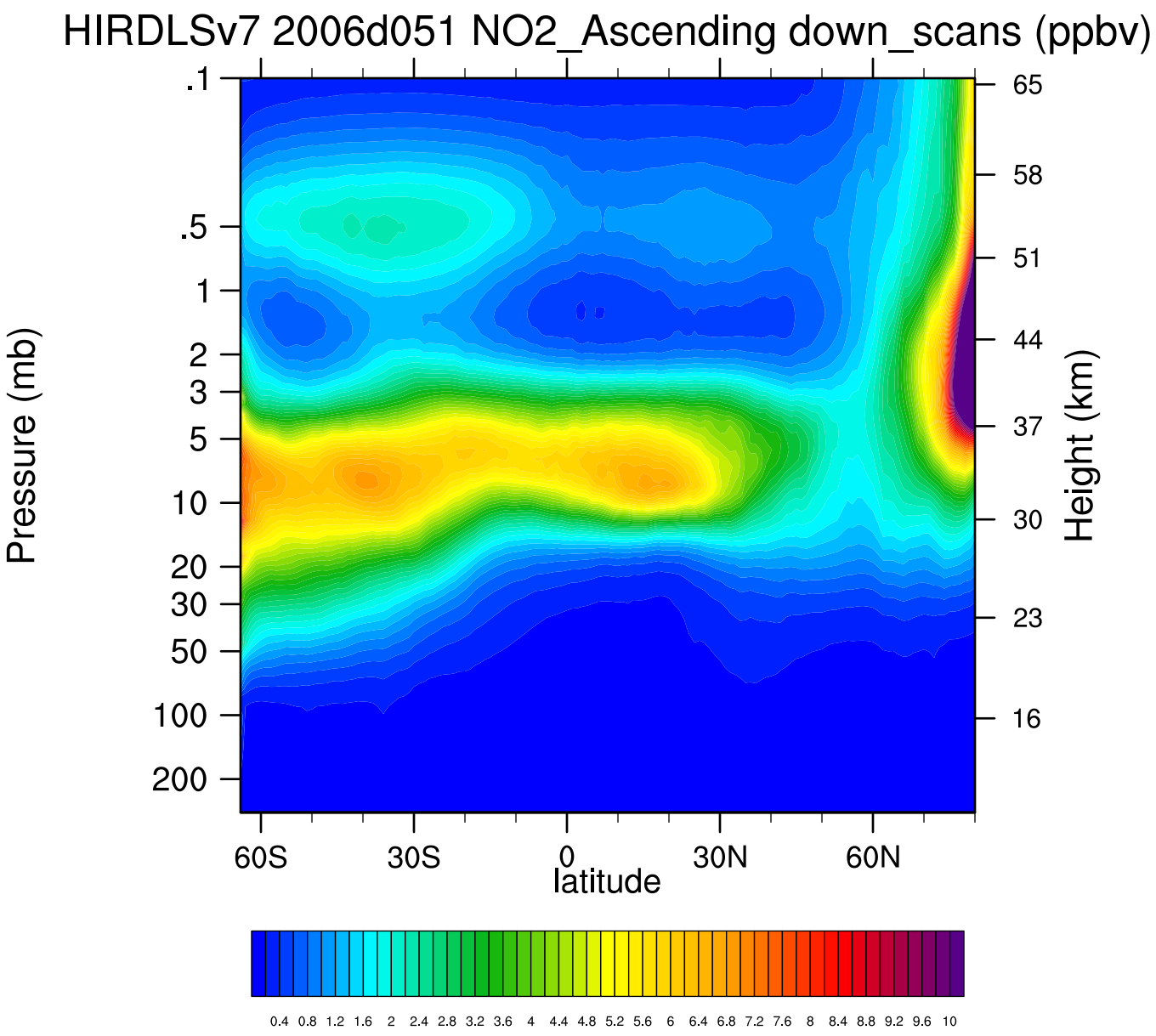
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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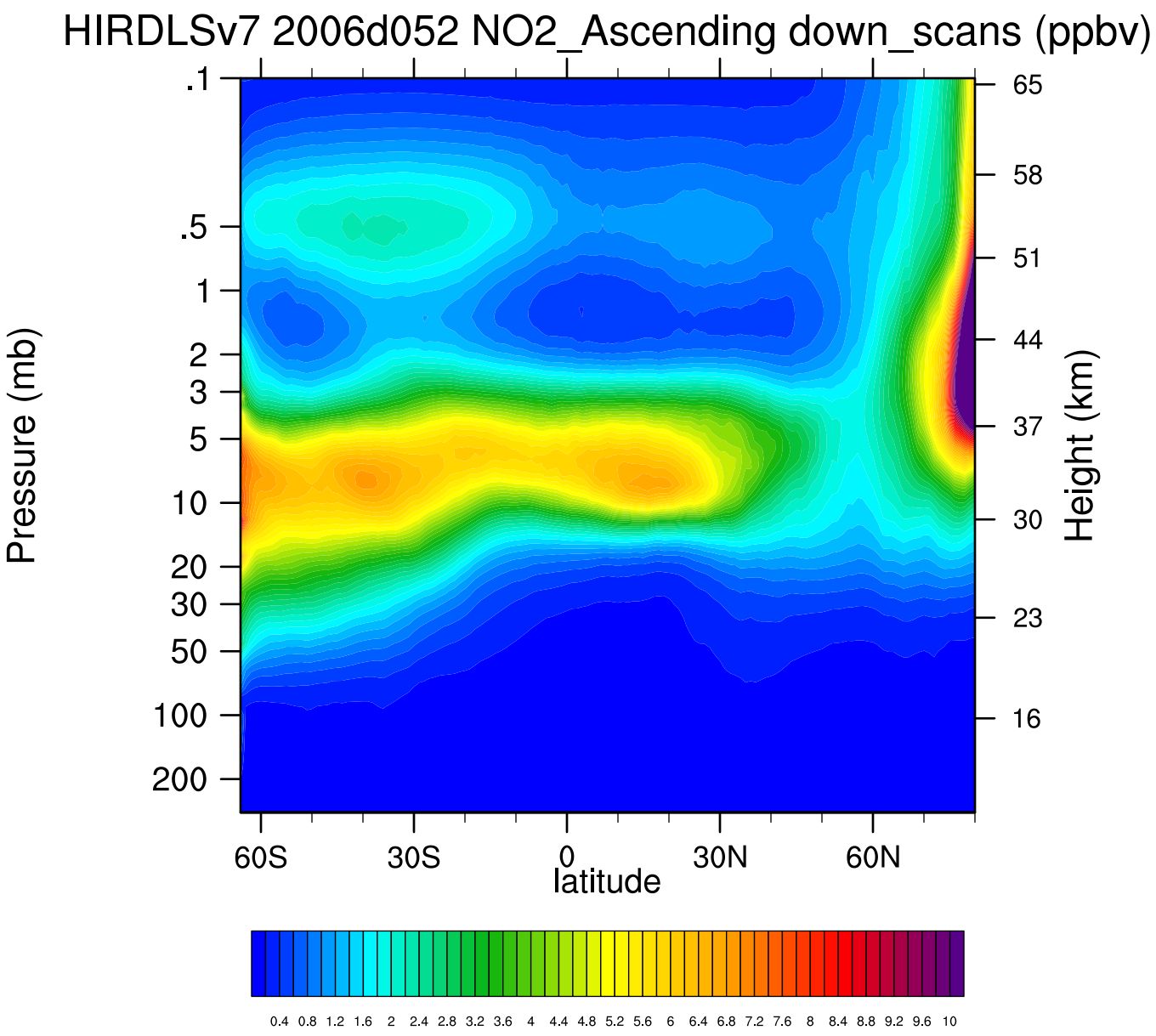
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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.5
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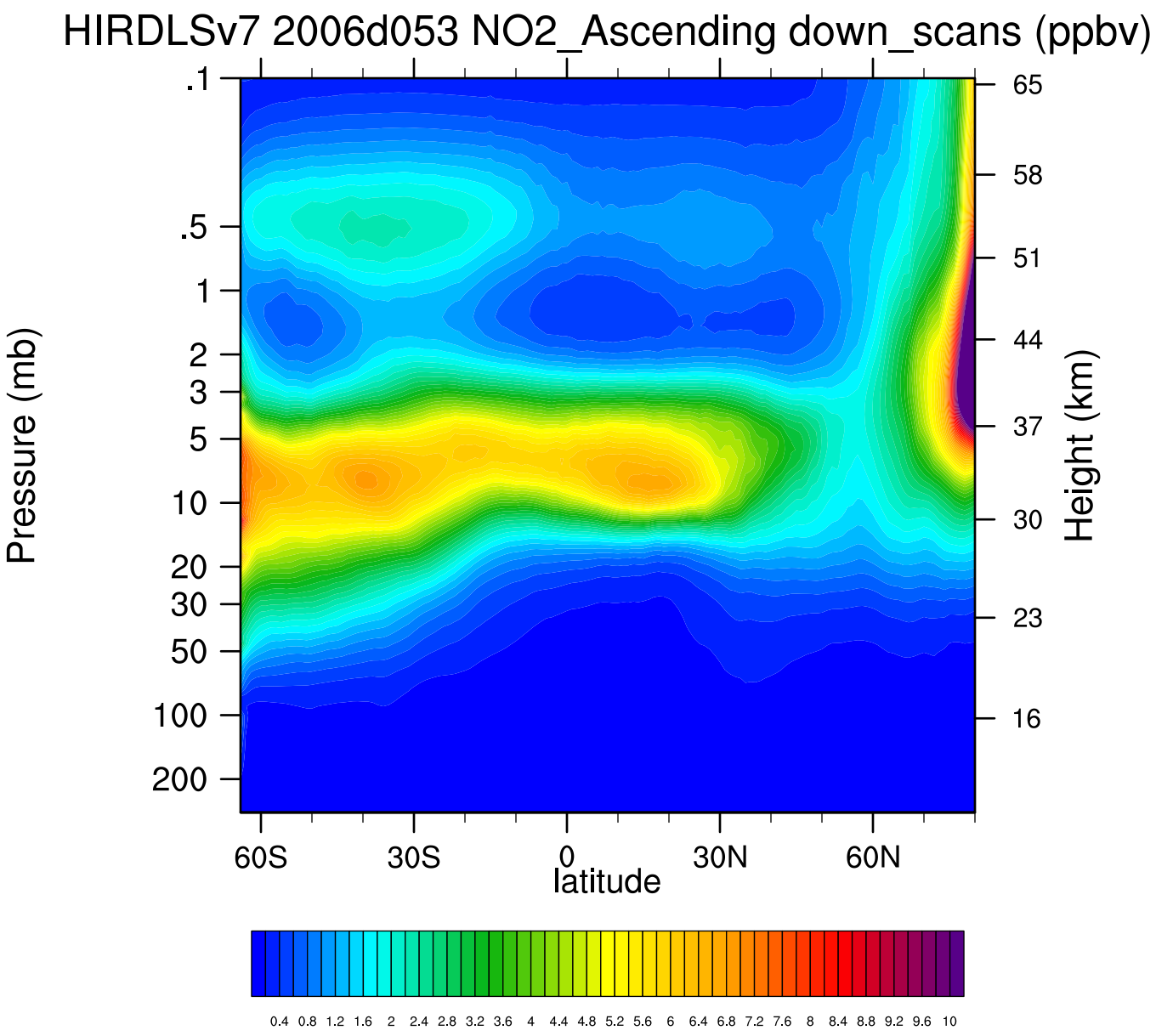
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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.5
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2
3
5
10
20
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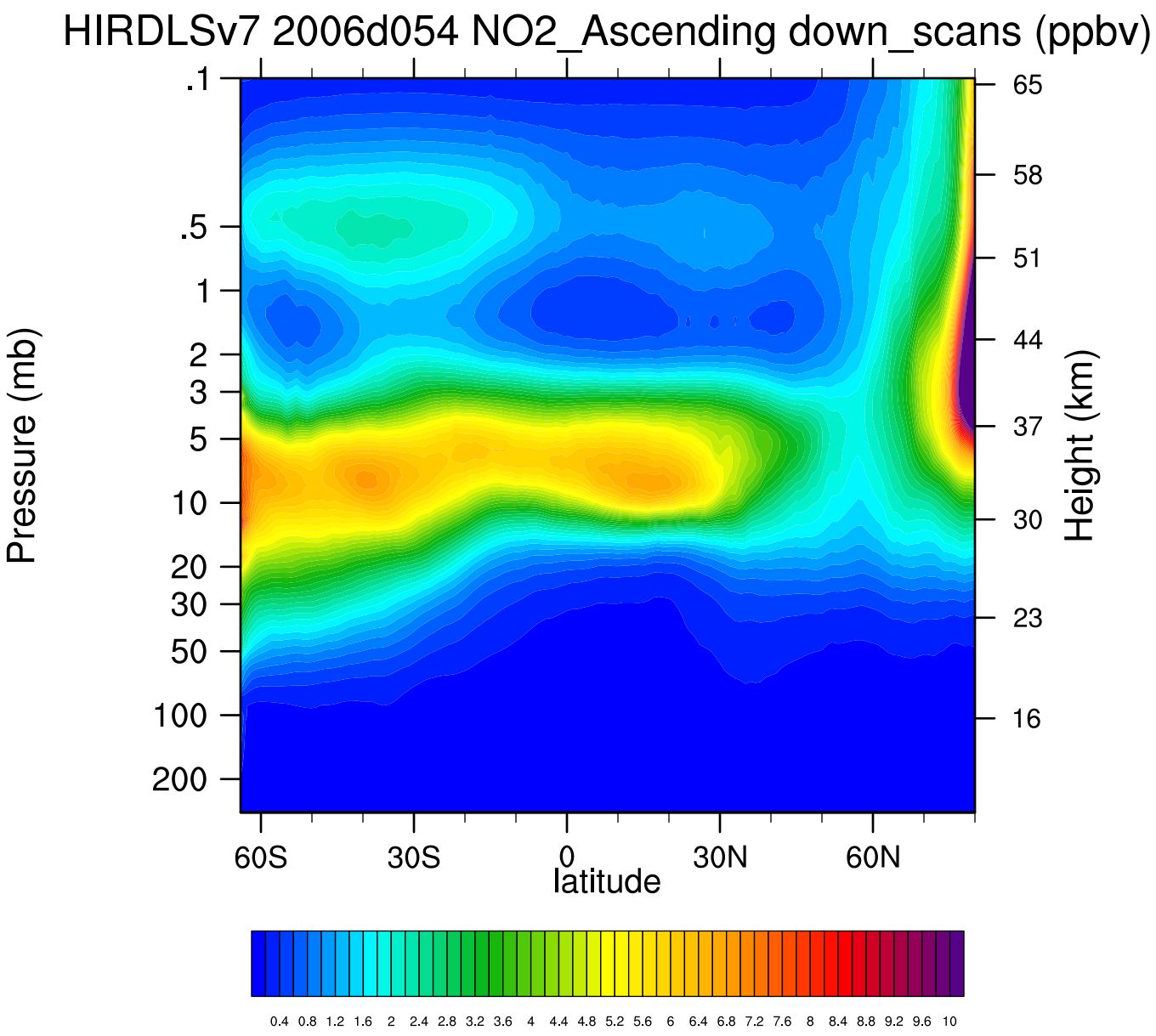
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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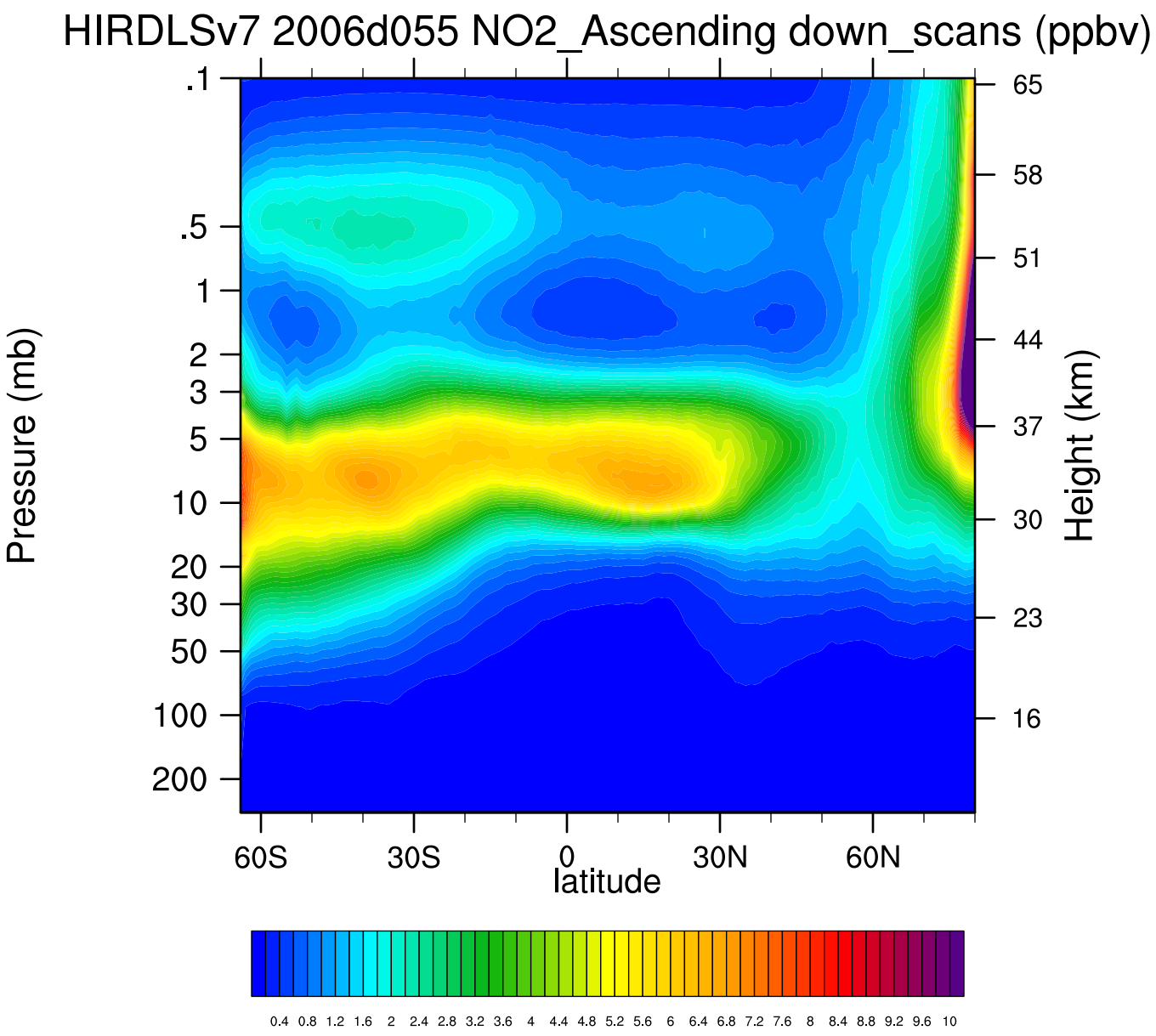
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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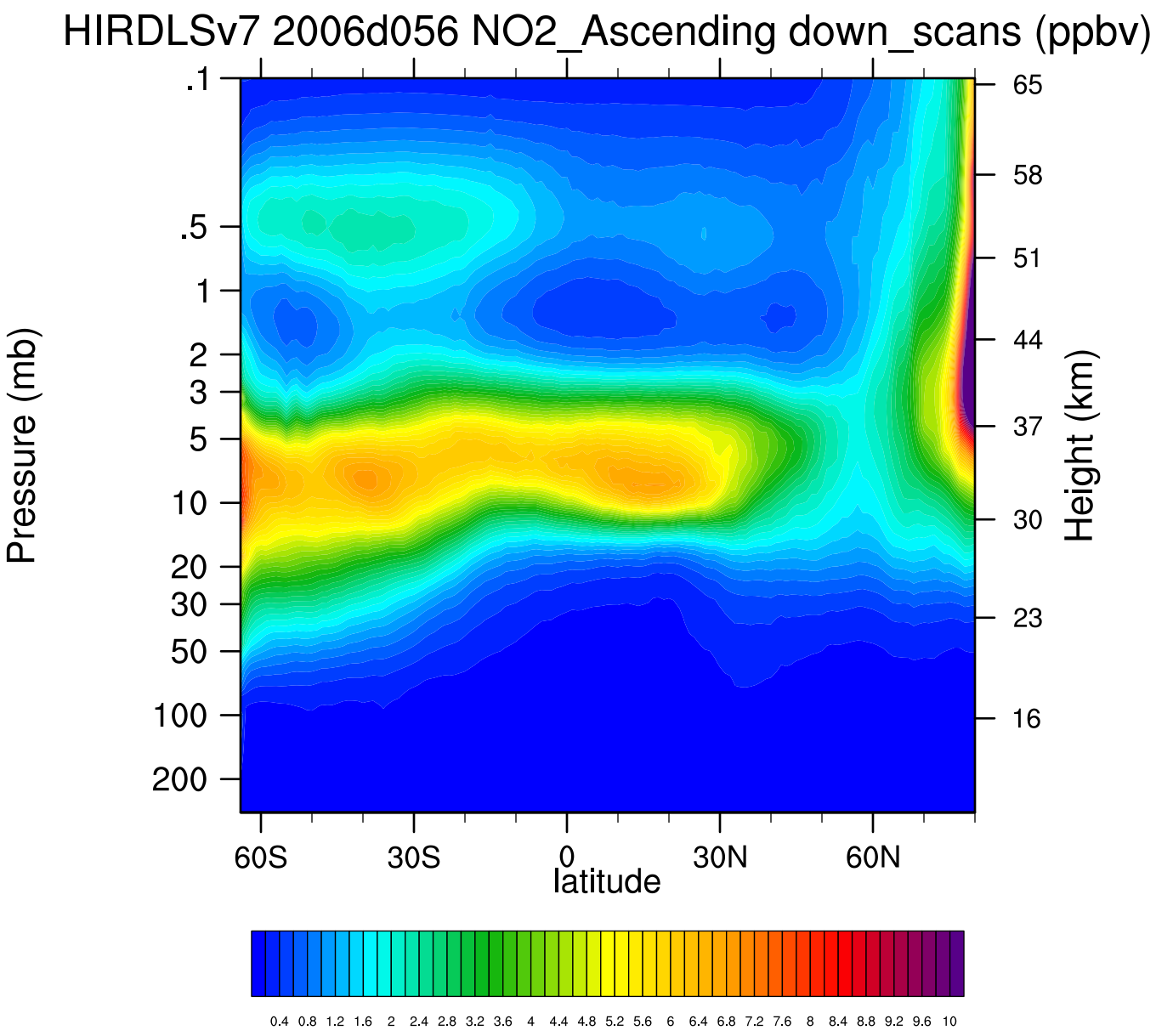
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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.5
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2
3
5
10
20
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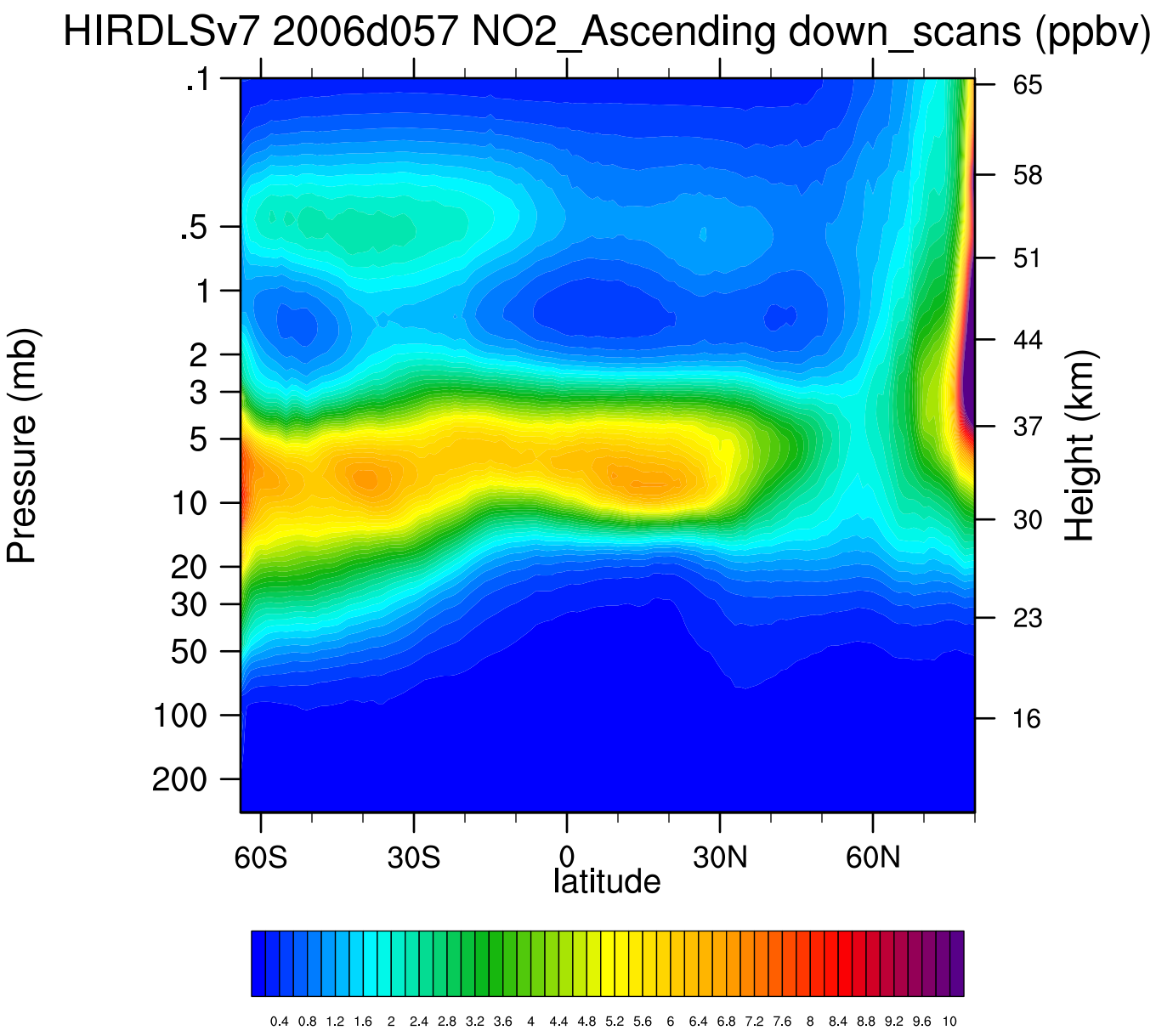
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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2
3
5
10
20
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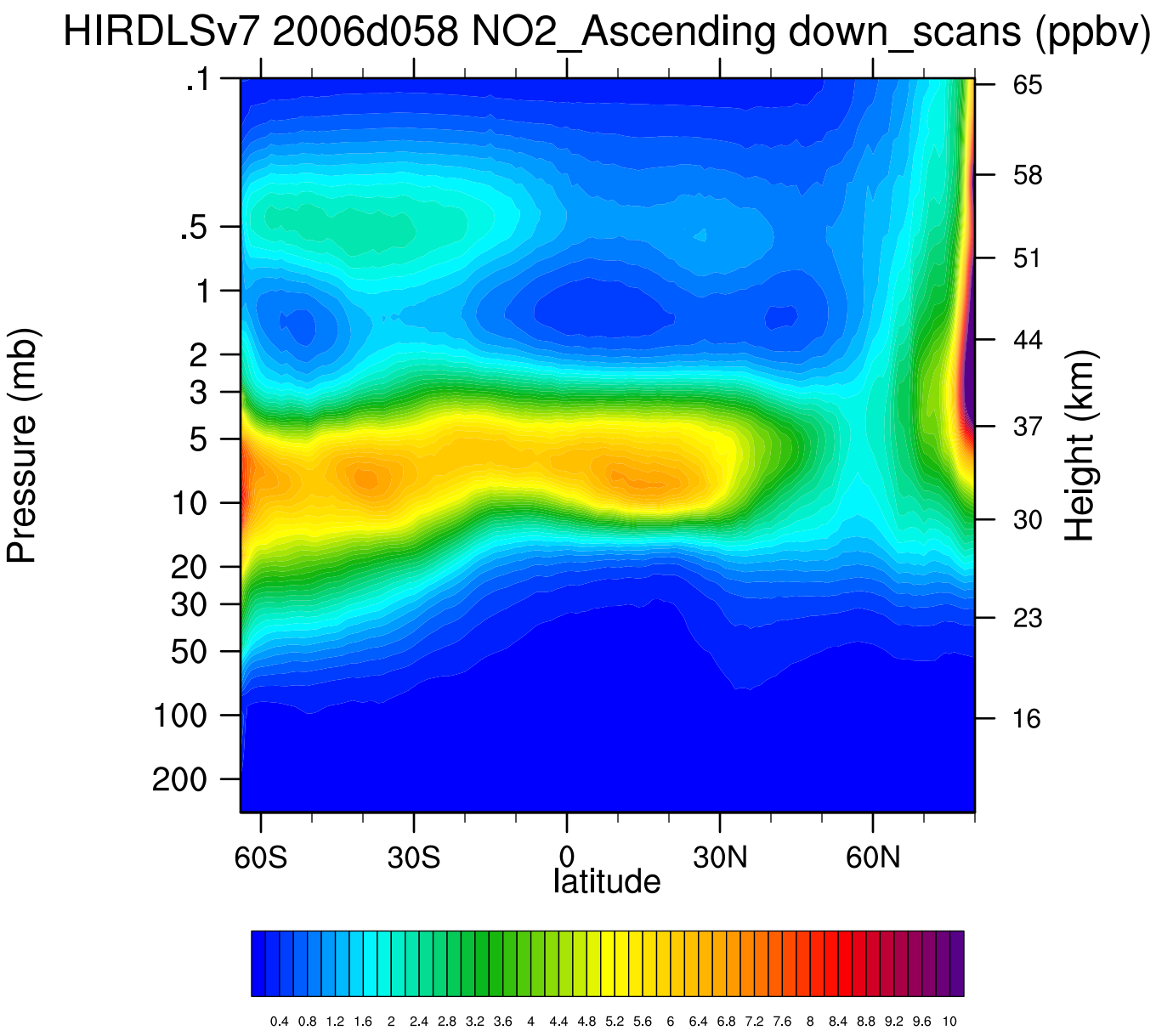
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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.5
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2
3
5
10
20
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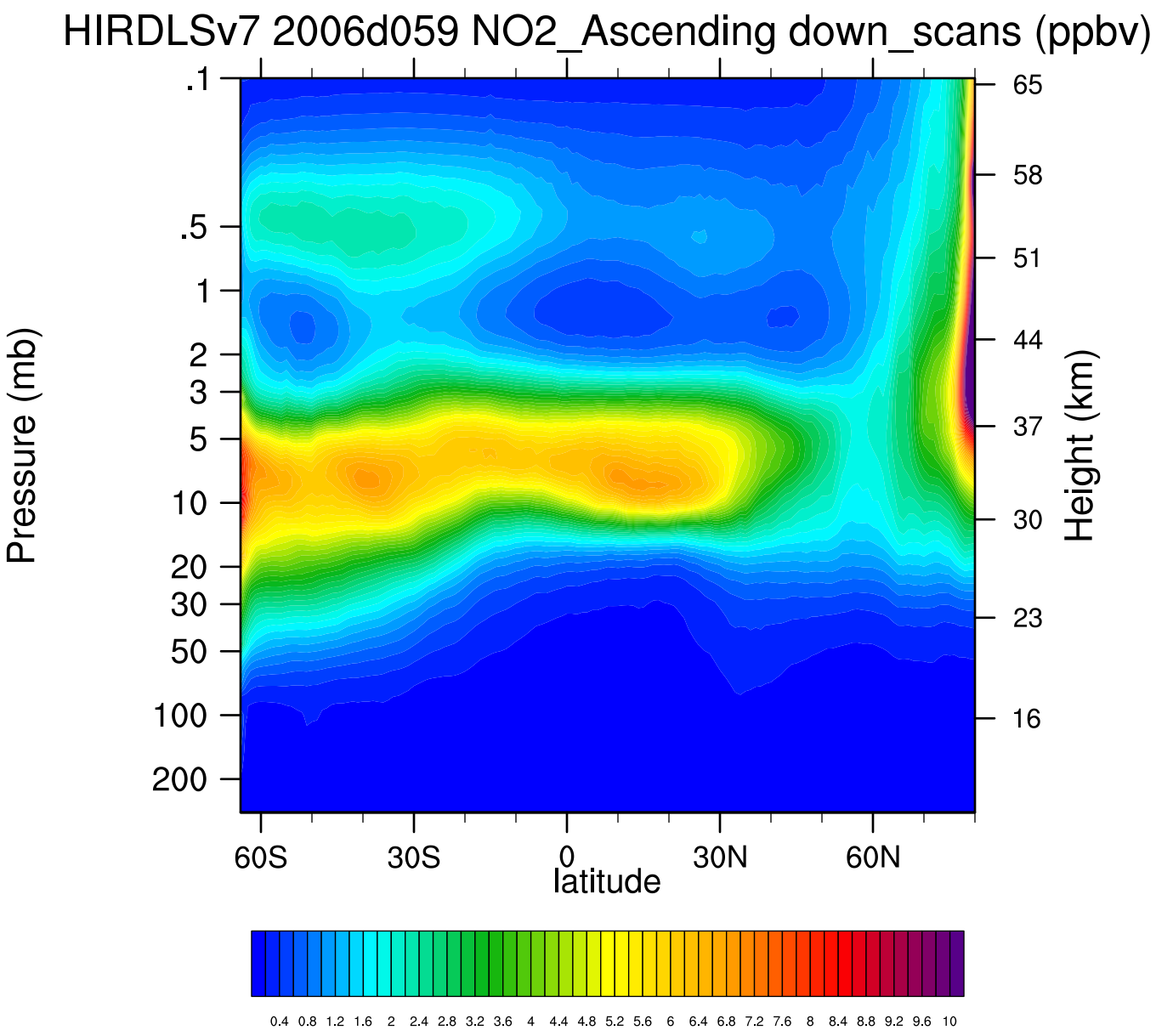
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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.5
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2
3
5
10
20
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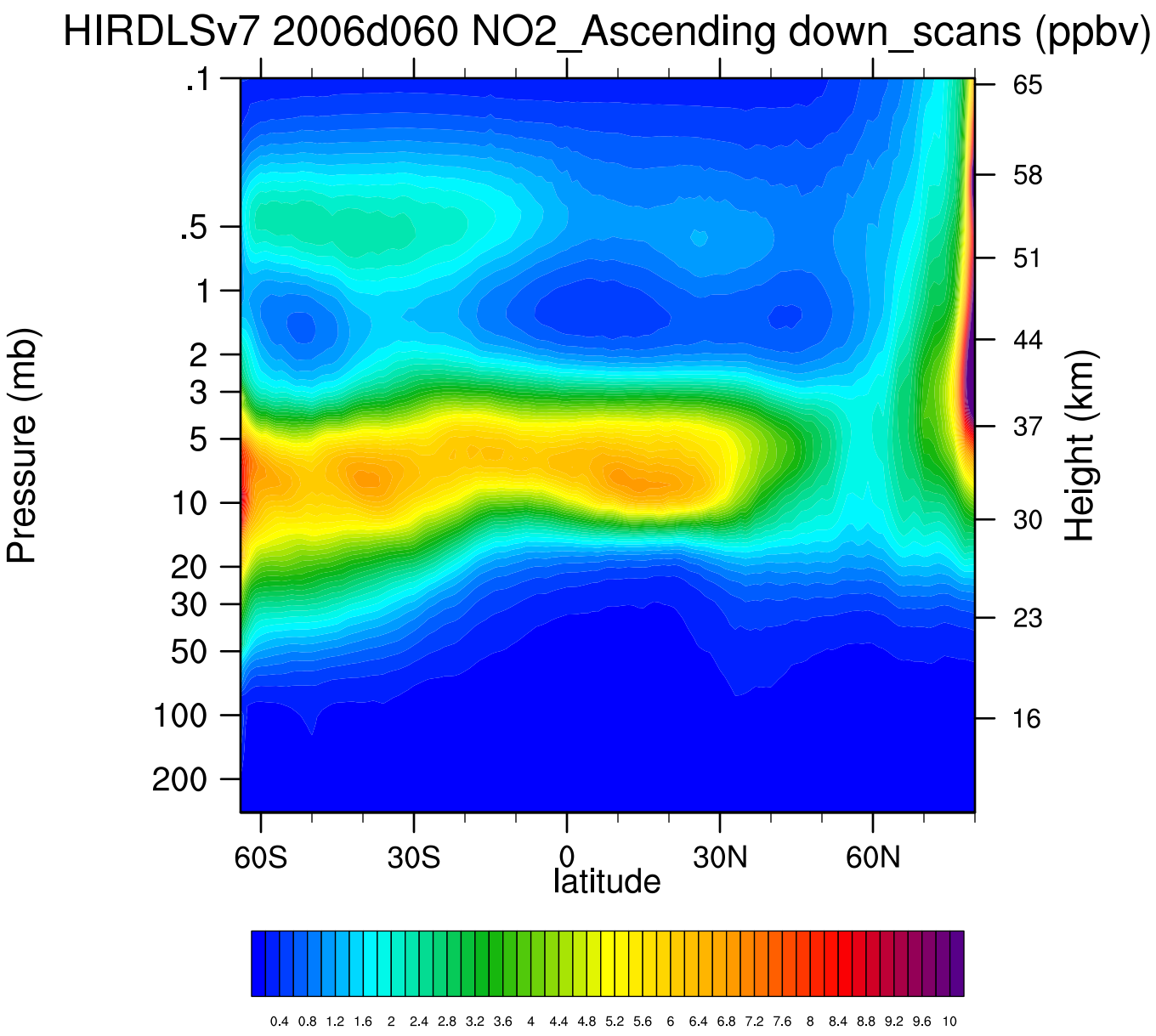
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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3
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10
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50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
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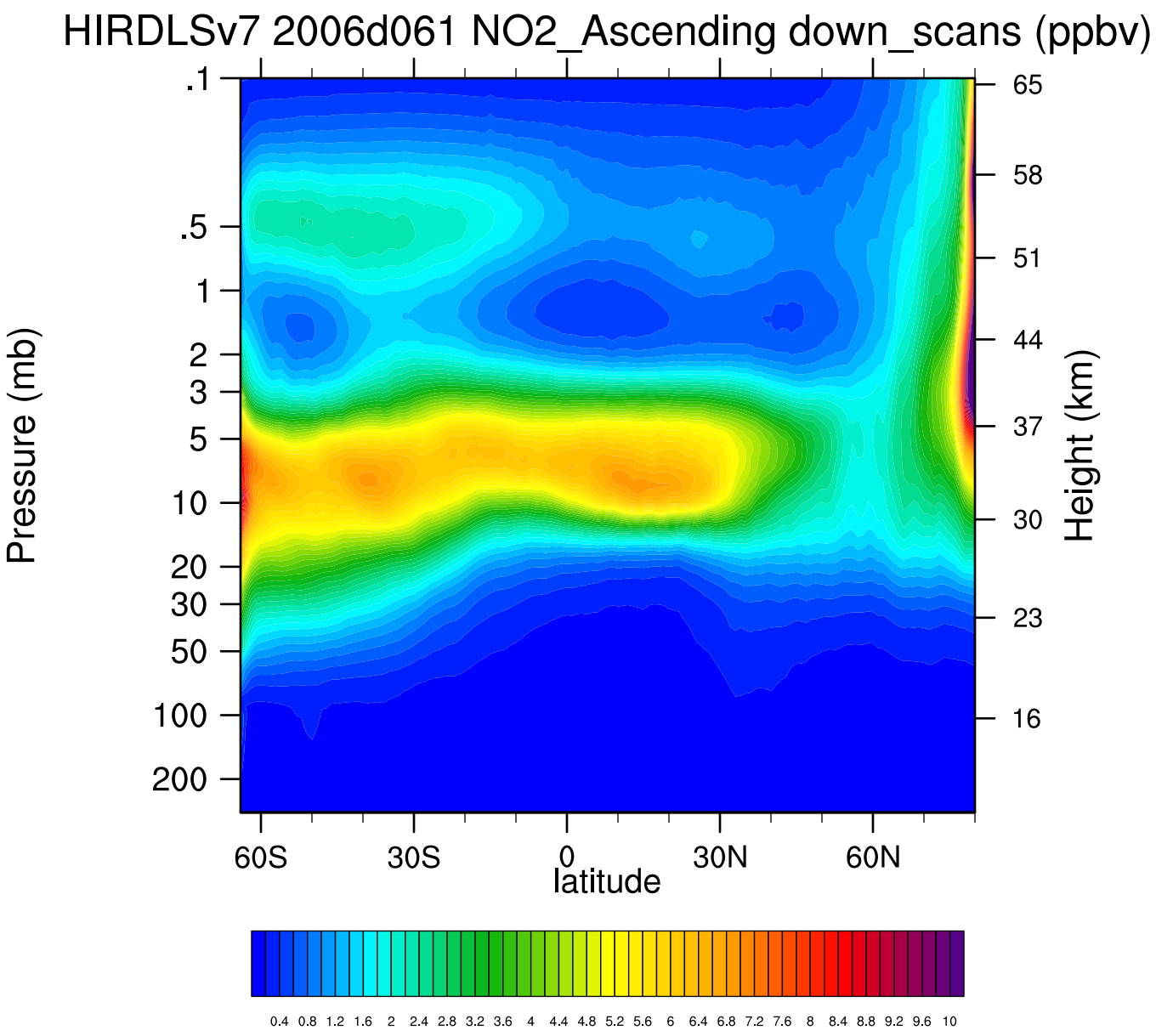
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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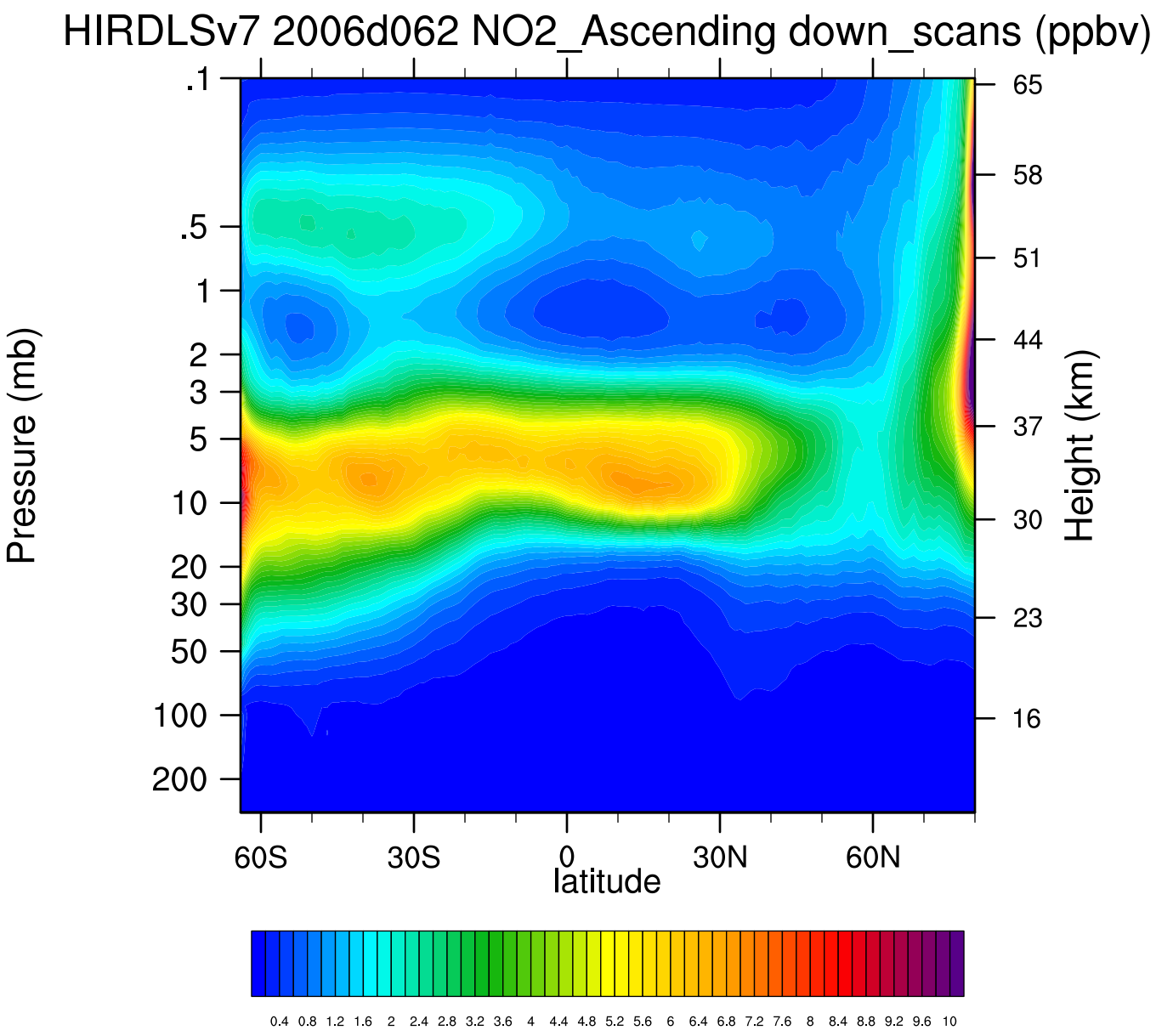
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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.5
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100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
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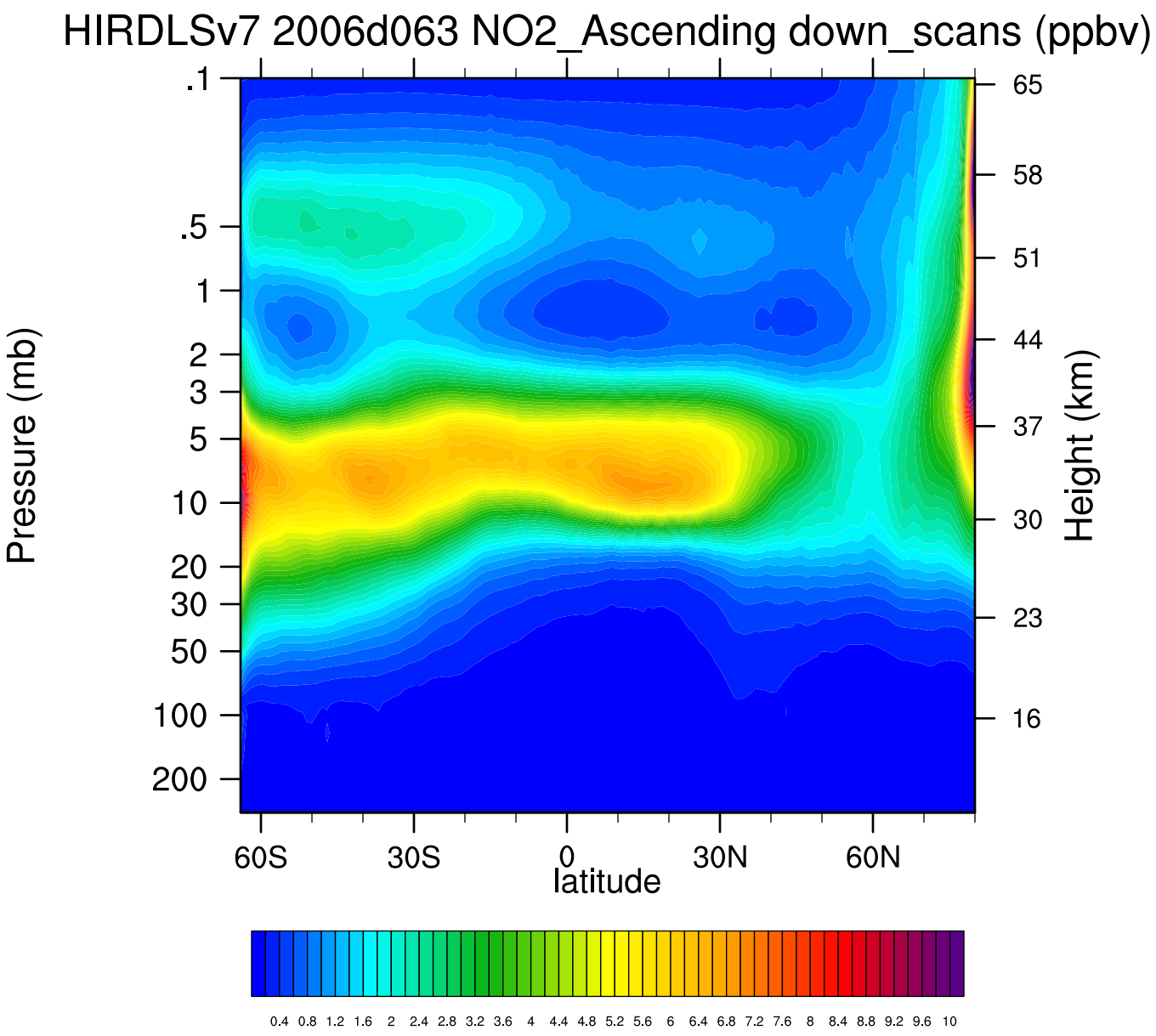
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2006d063 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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.5
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3
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10
20
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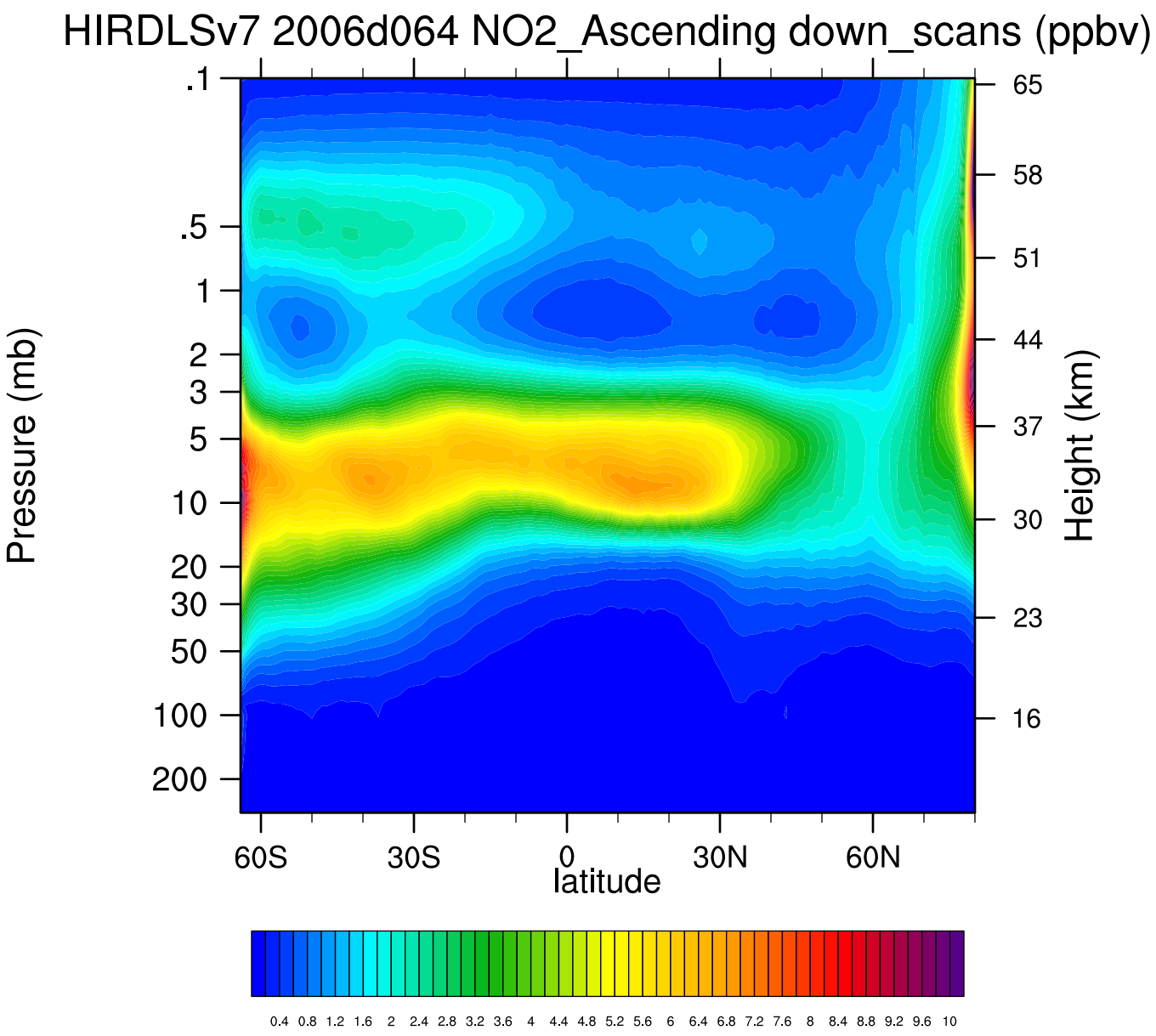
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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20
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Height (km)
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58
51
44
37
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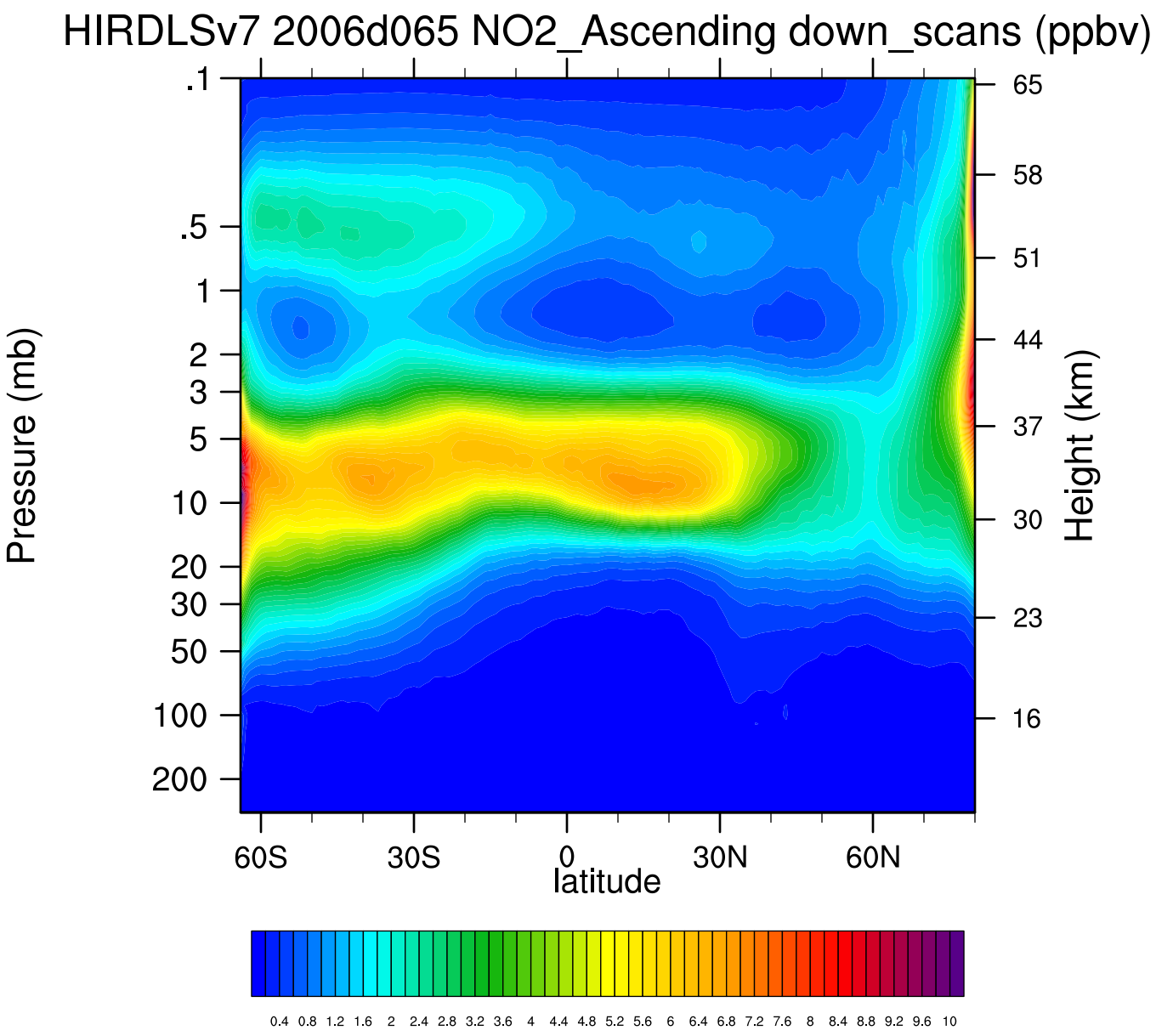
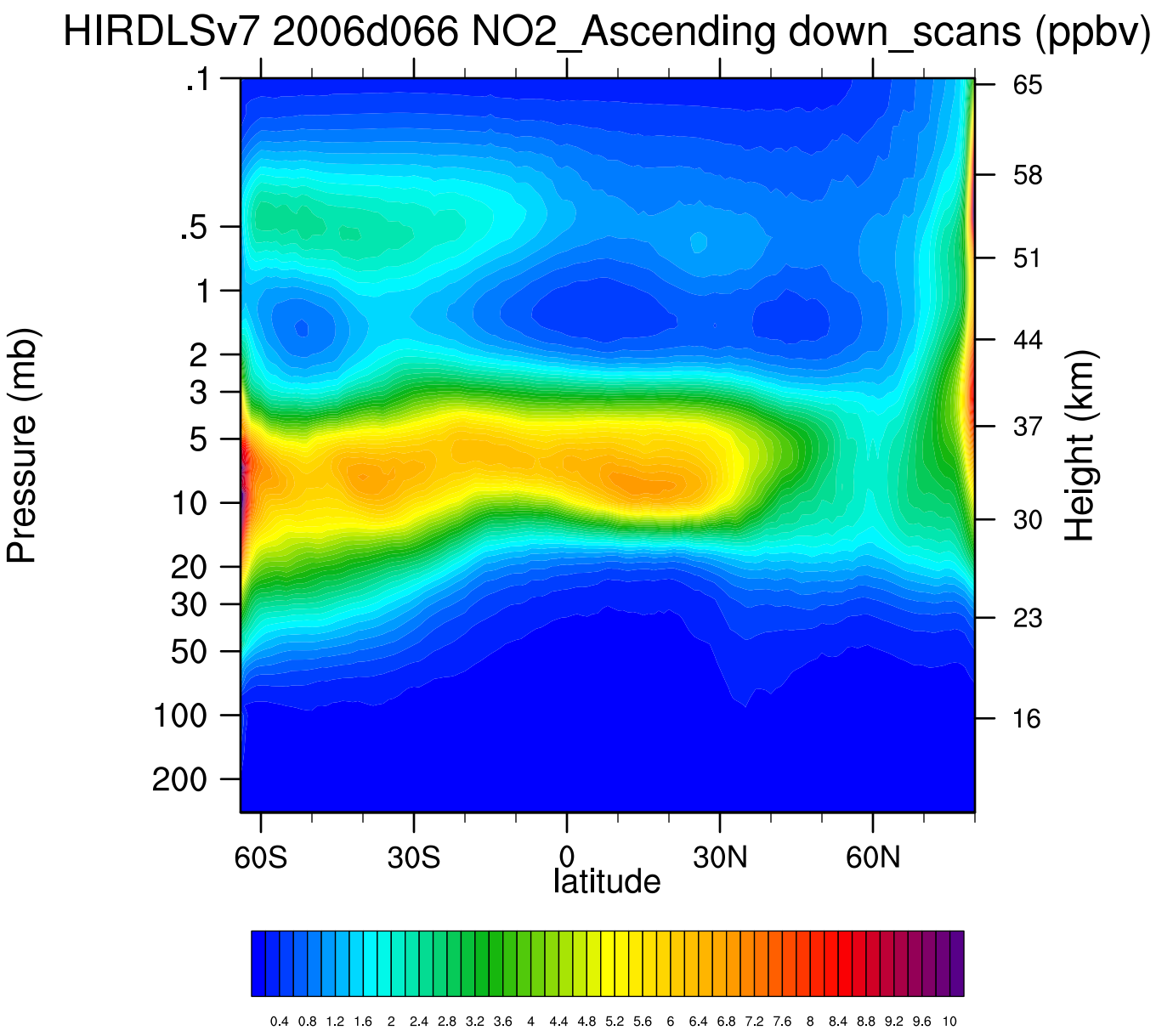
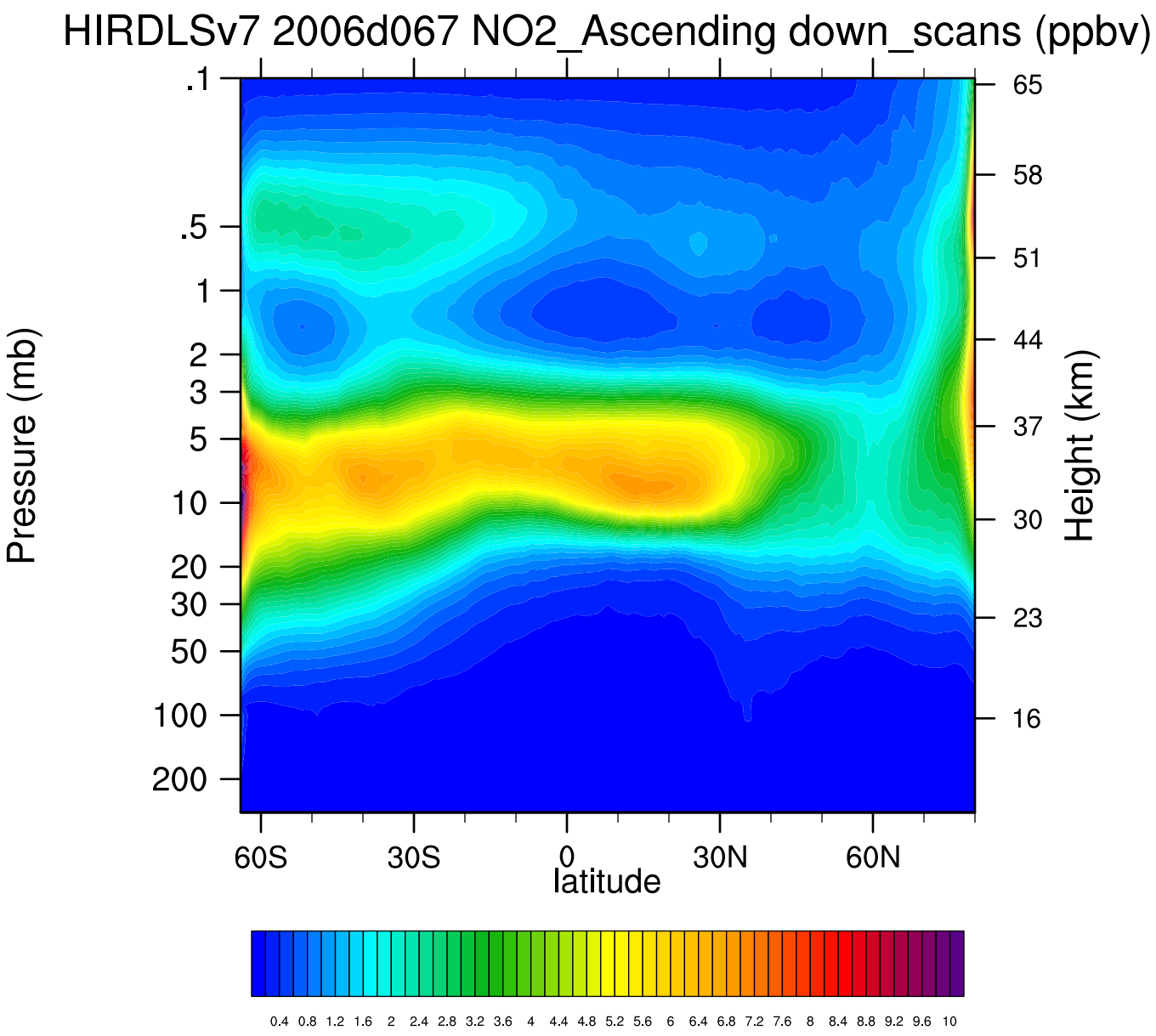
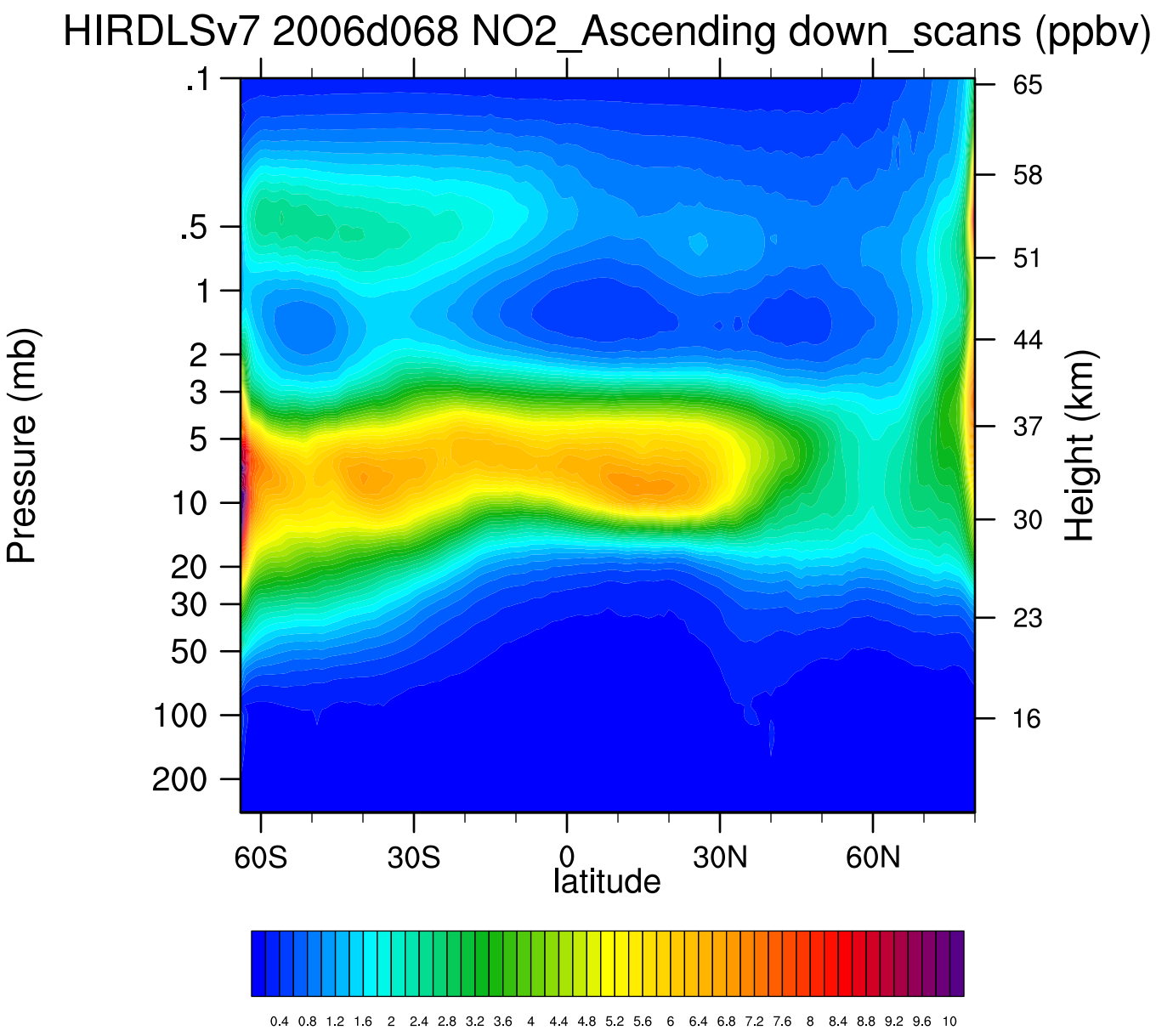
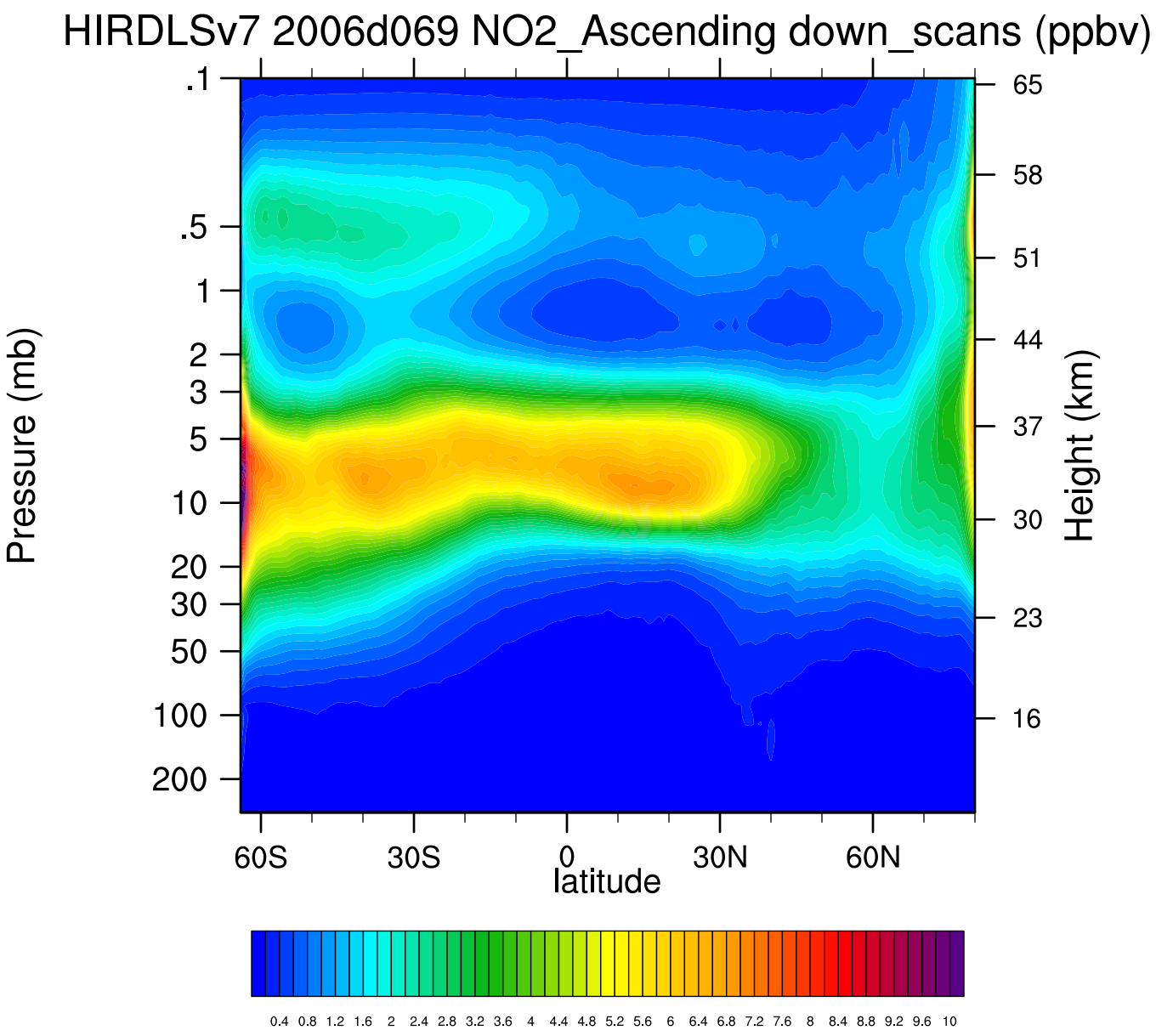
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2006d065 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2006d066 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2006d067 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2006d068 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2006d069 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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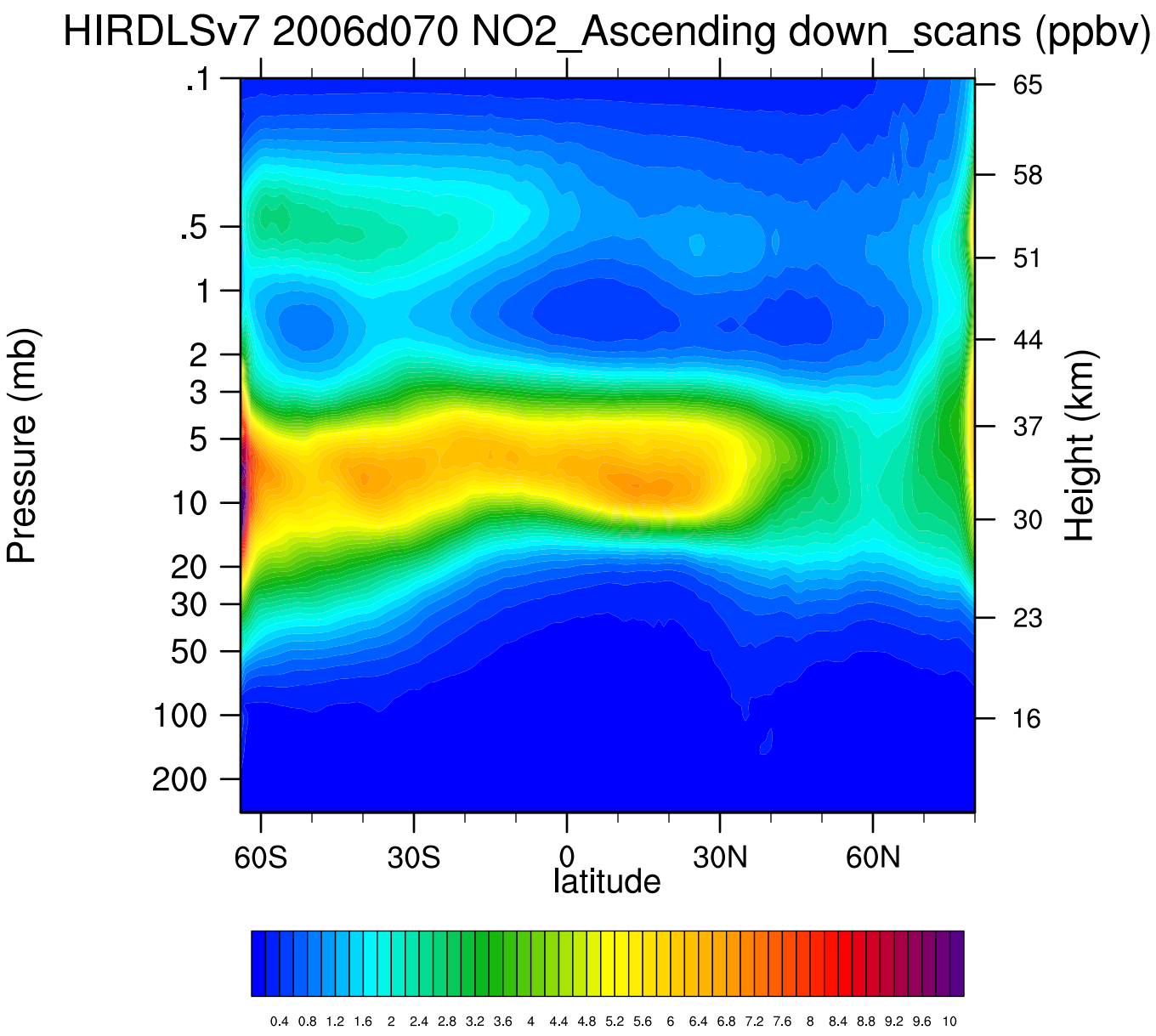
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2006d070 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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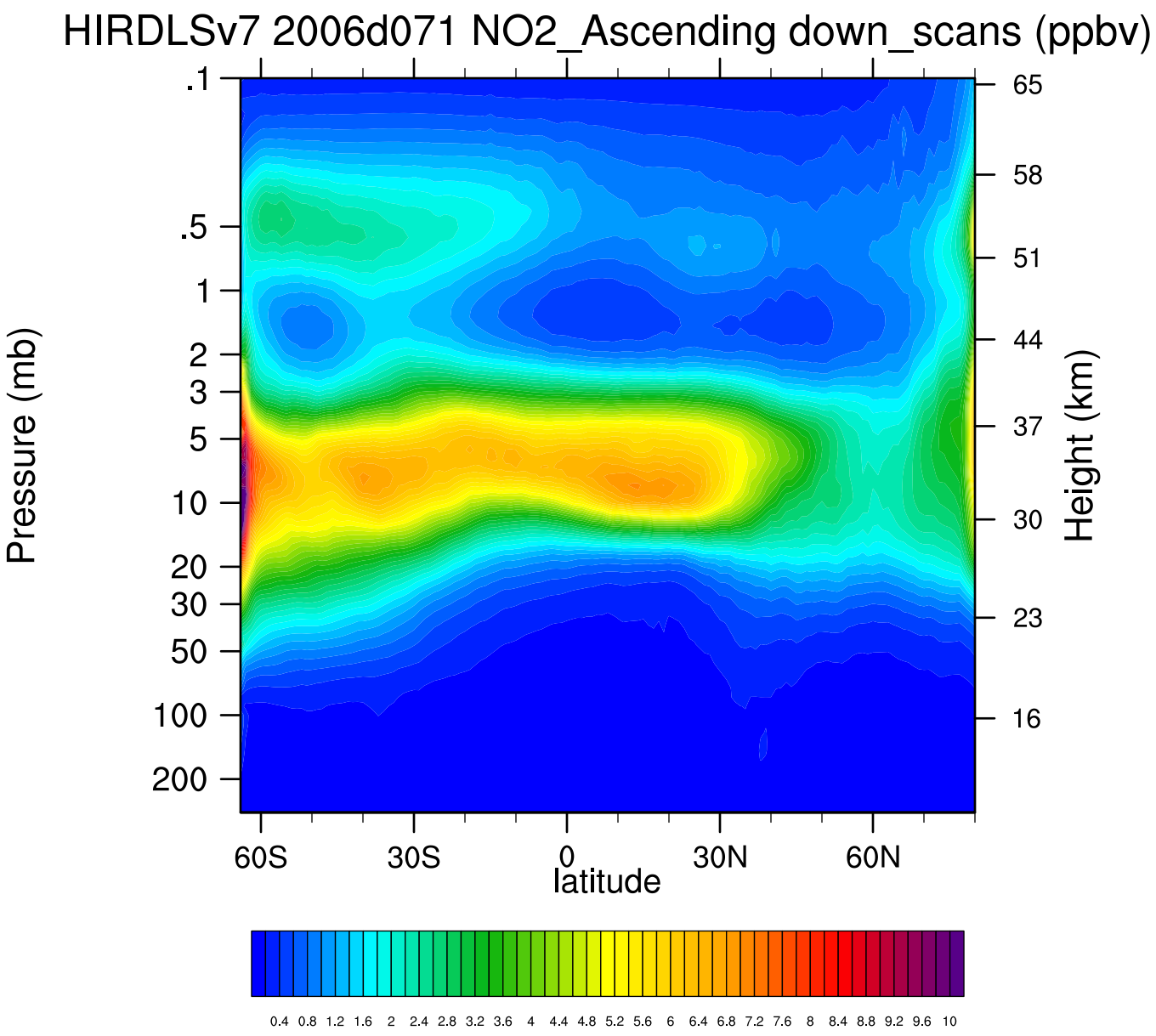
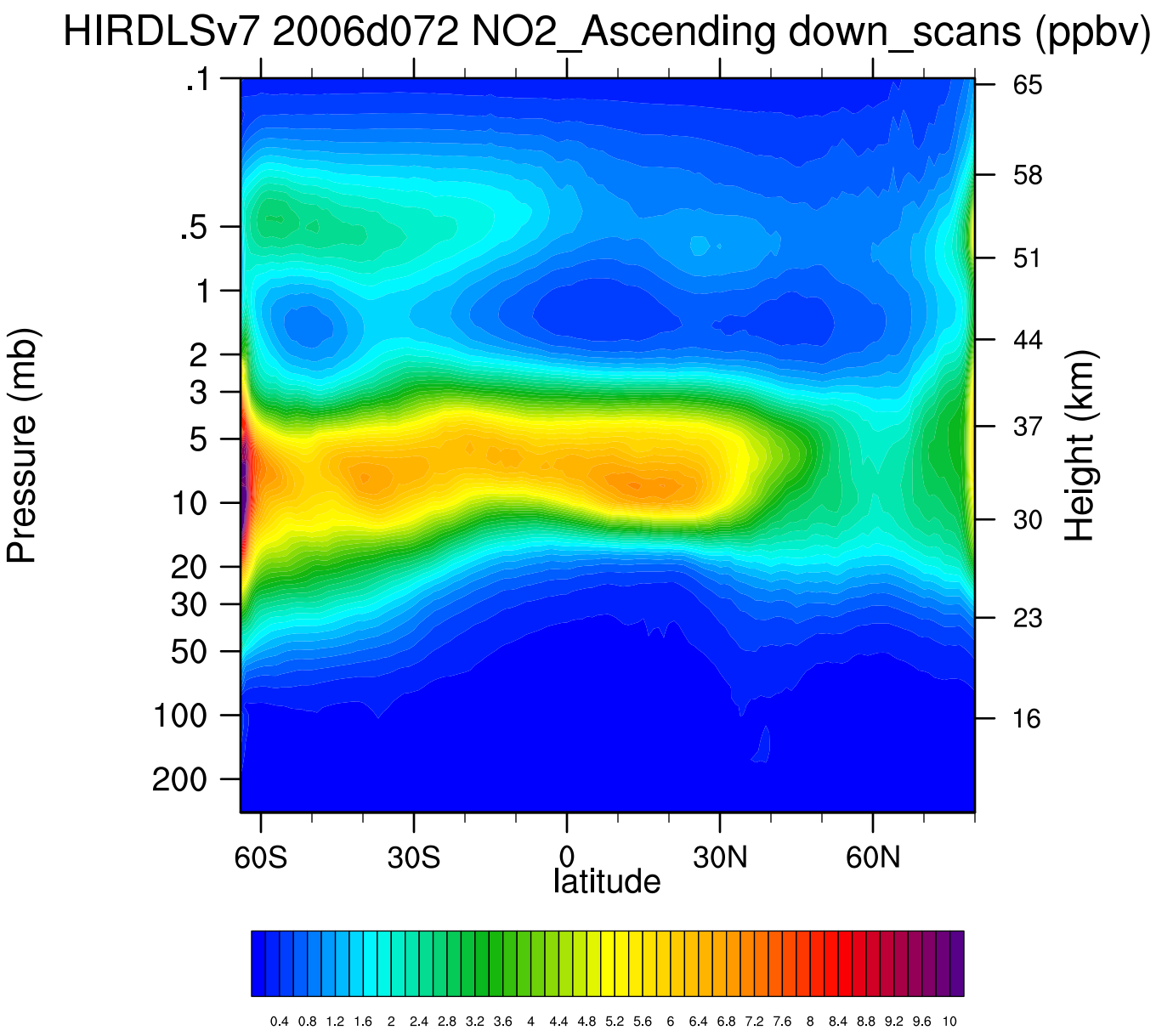
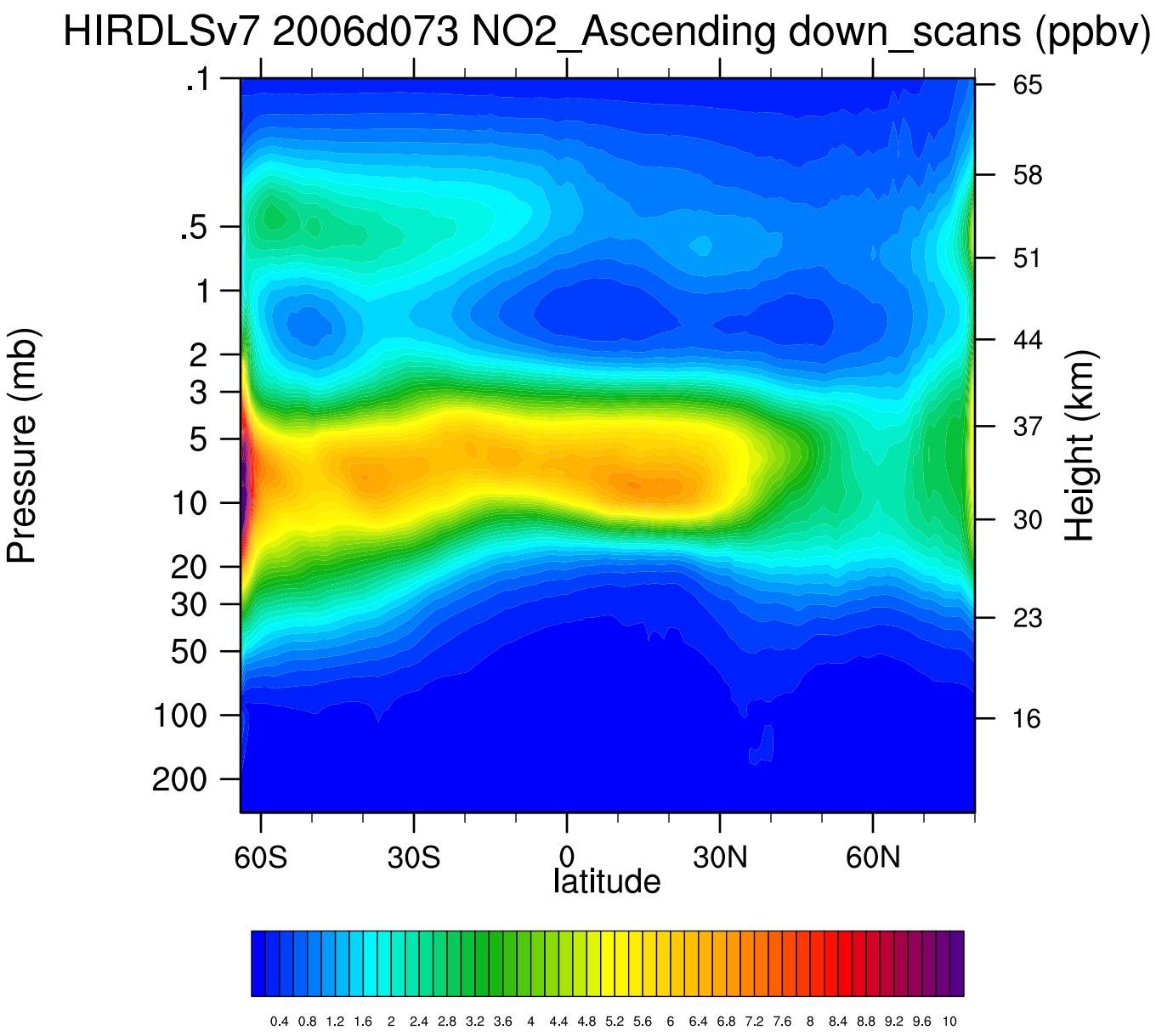
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2006d071 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2006d072 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2006d073 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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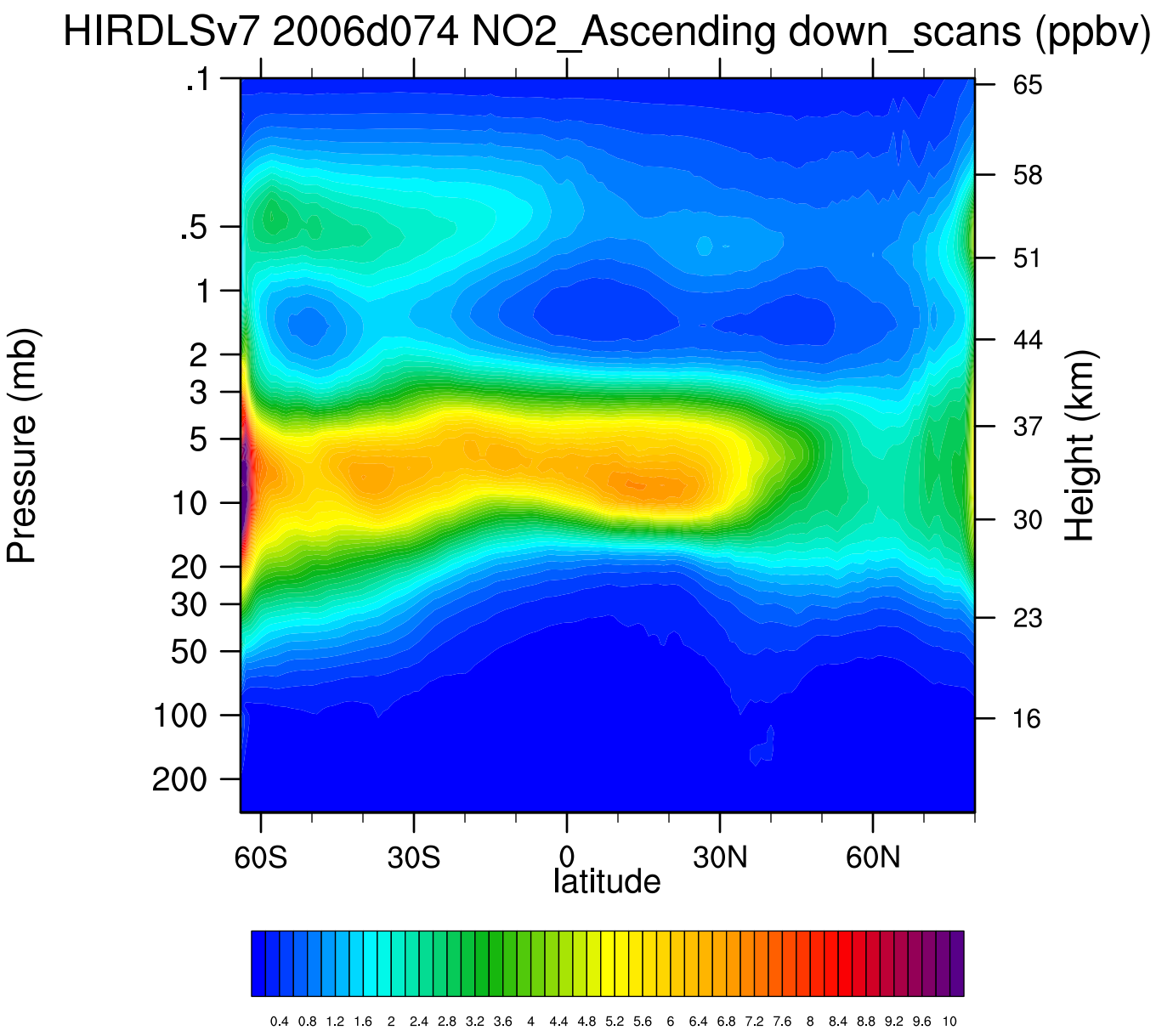
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2006d074 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
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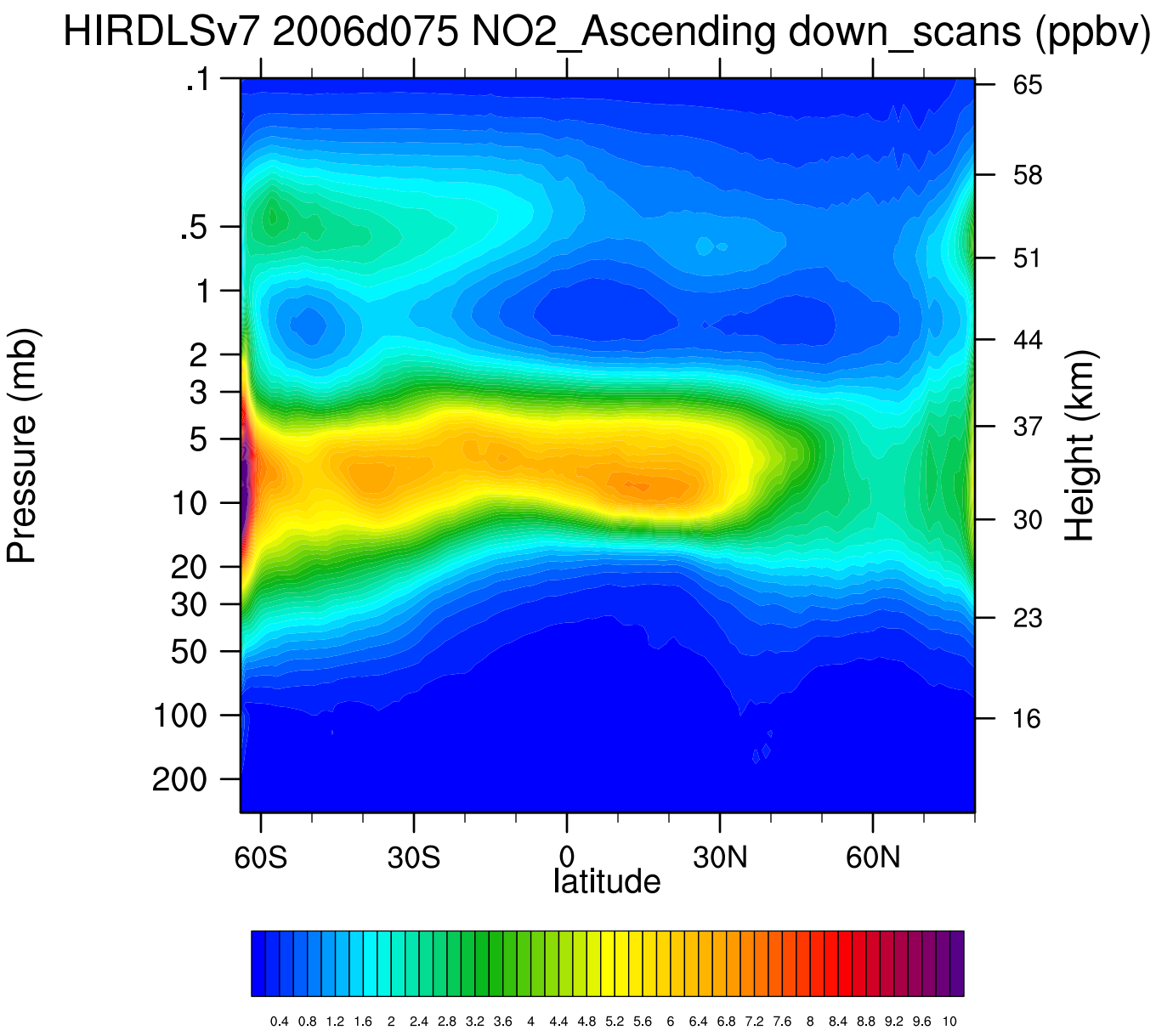
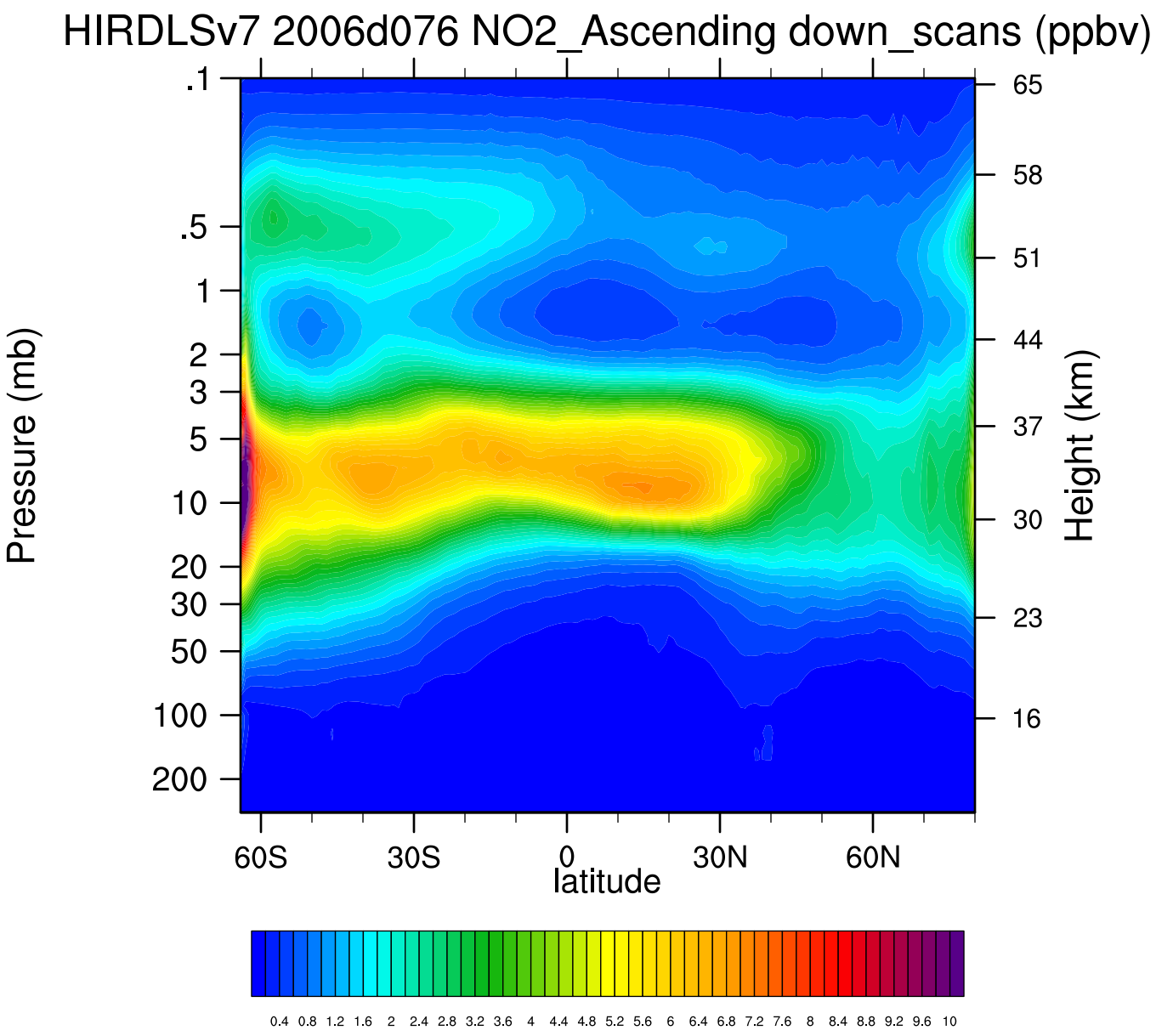
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2006d075 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2006d076 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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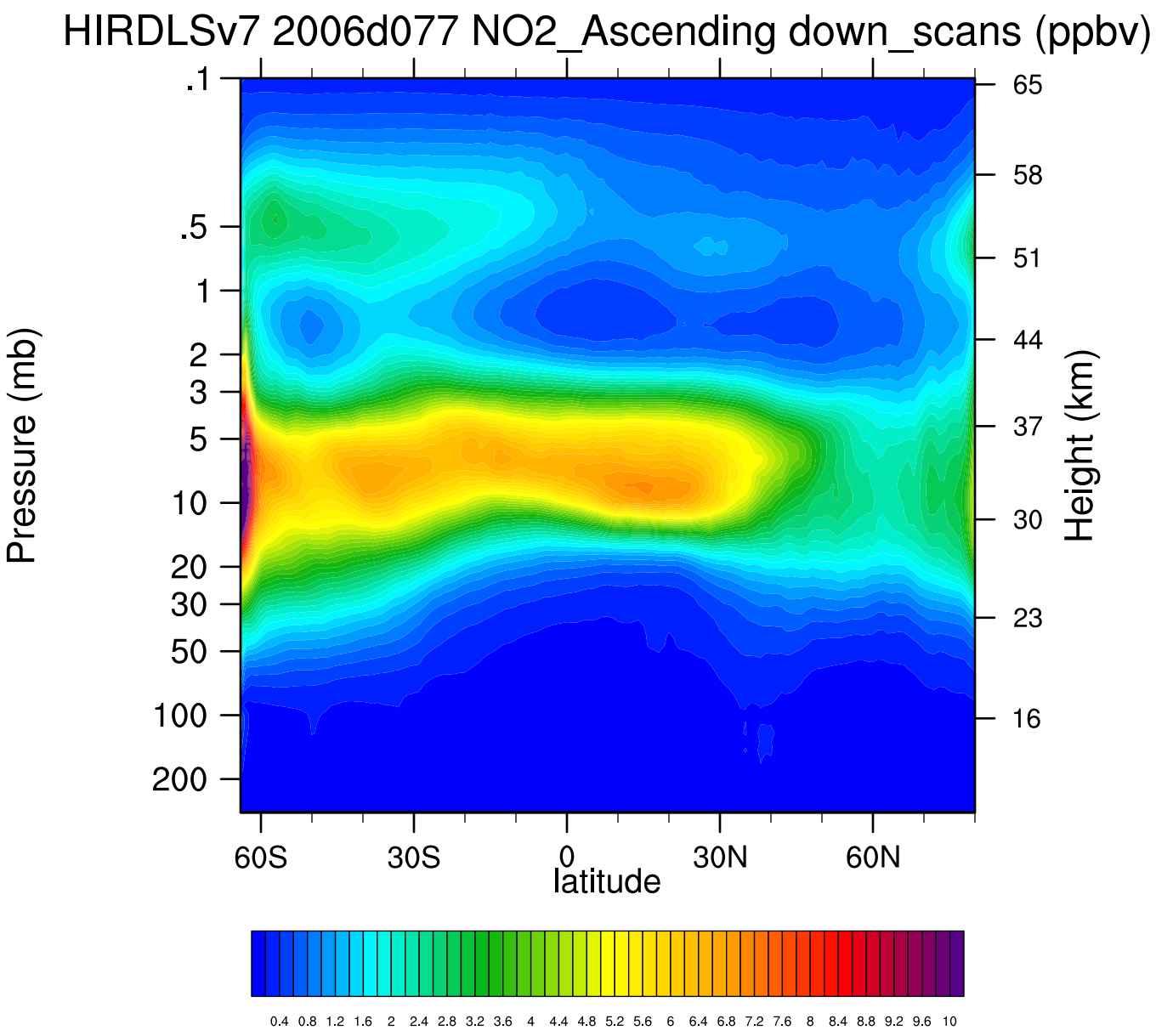
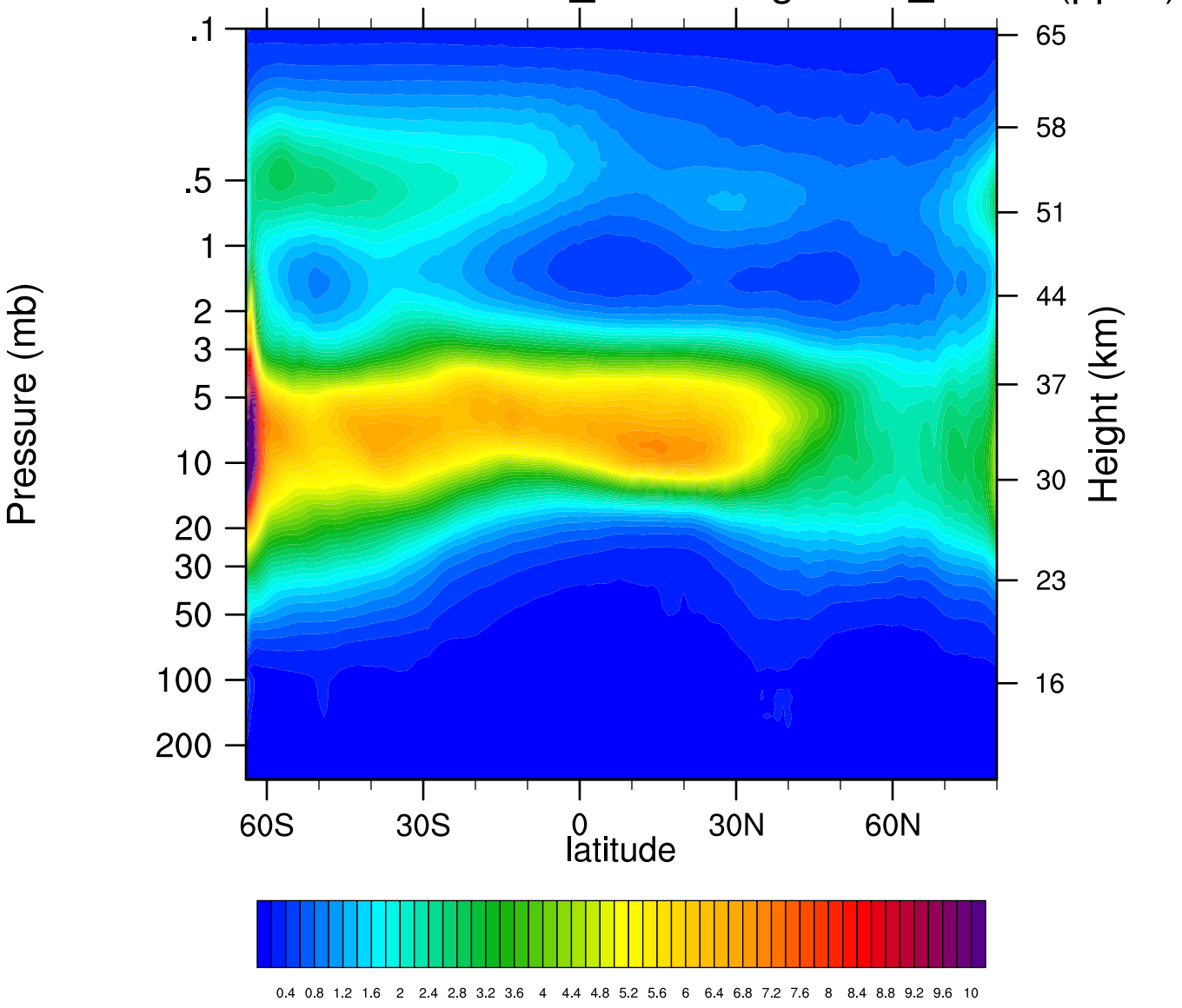
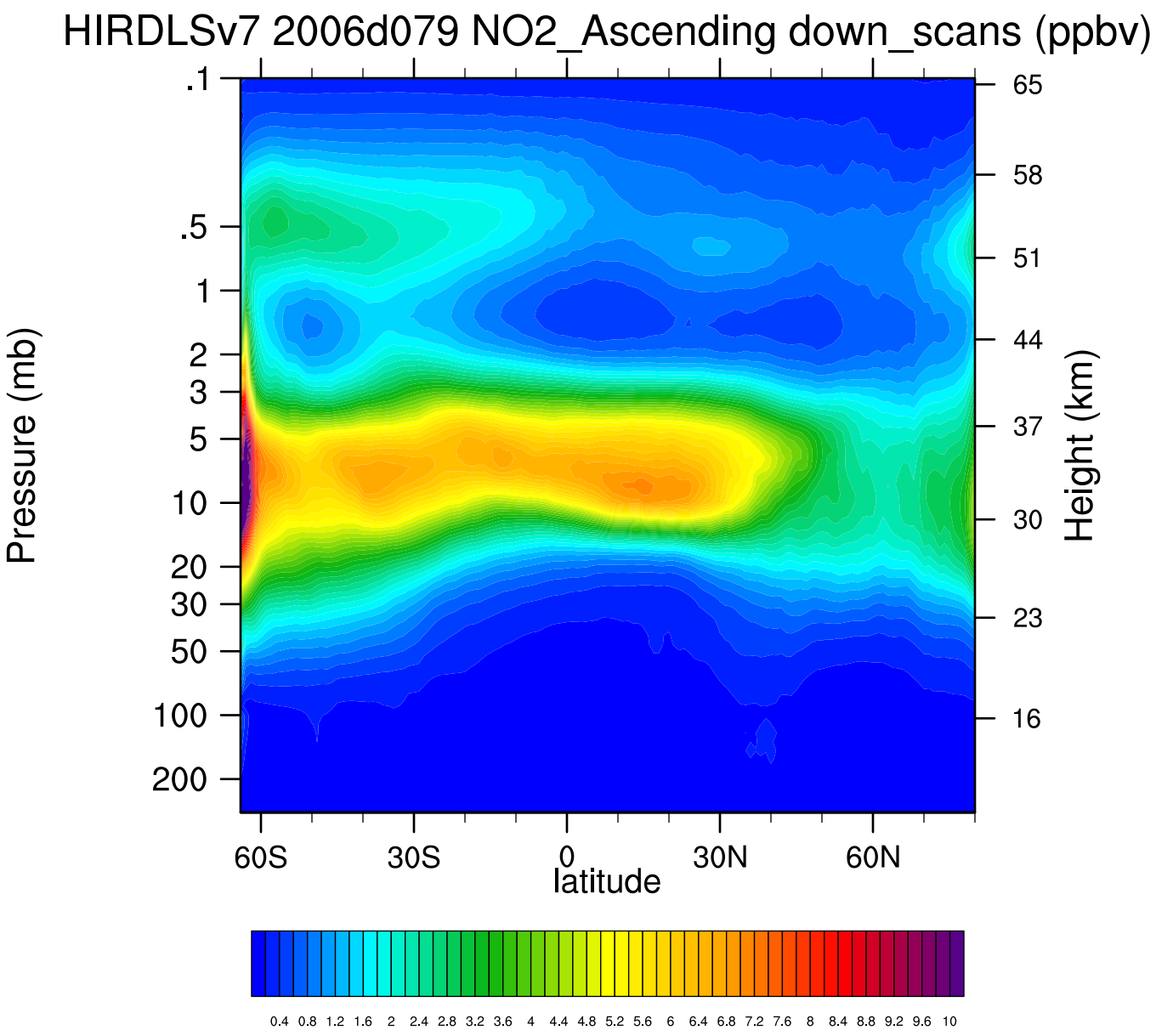
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2006d077 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2006d078 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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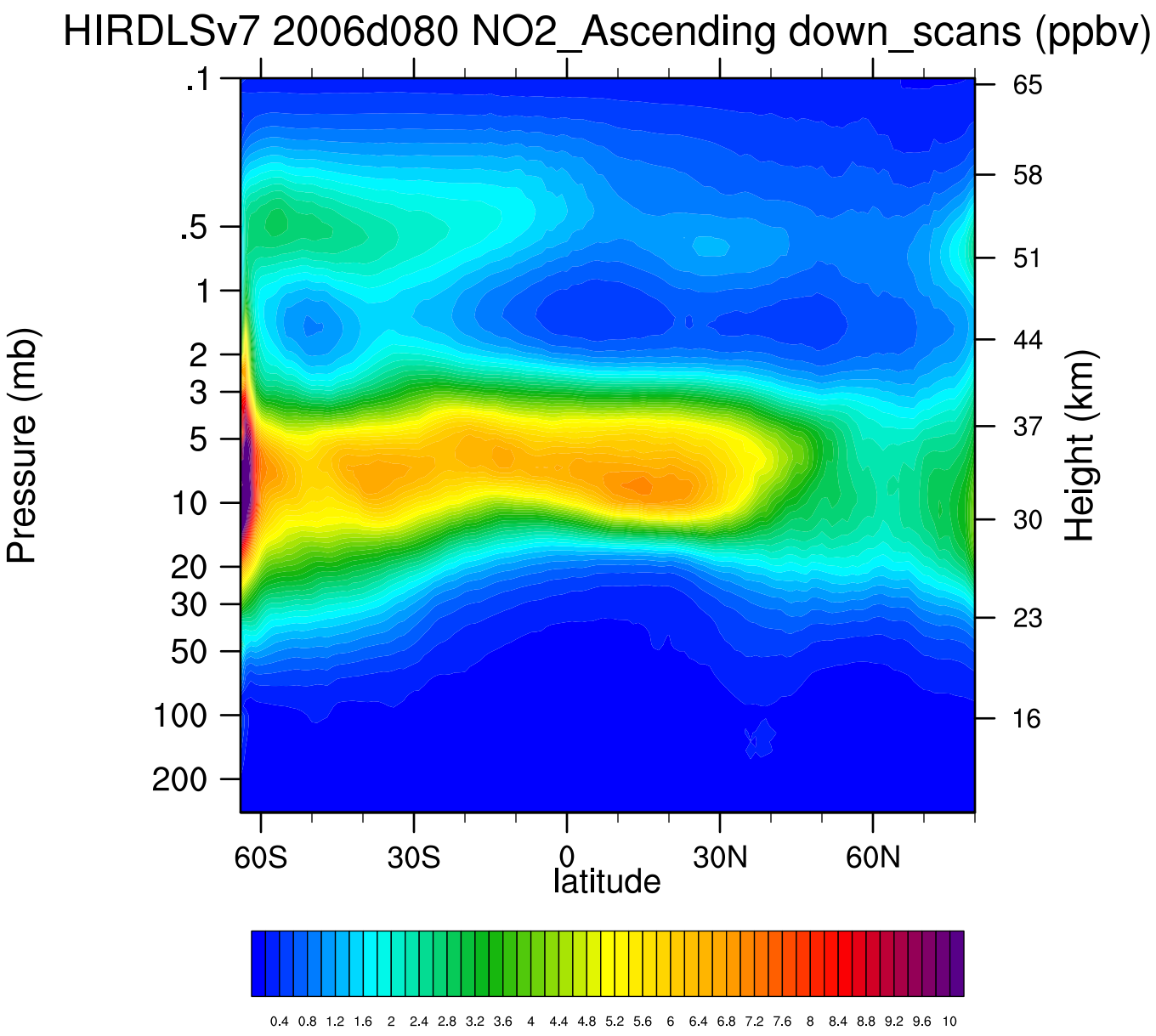
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2006d080 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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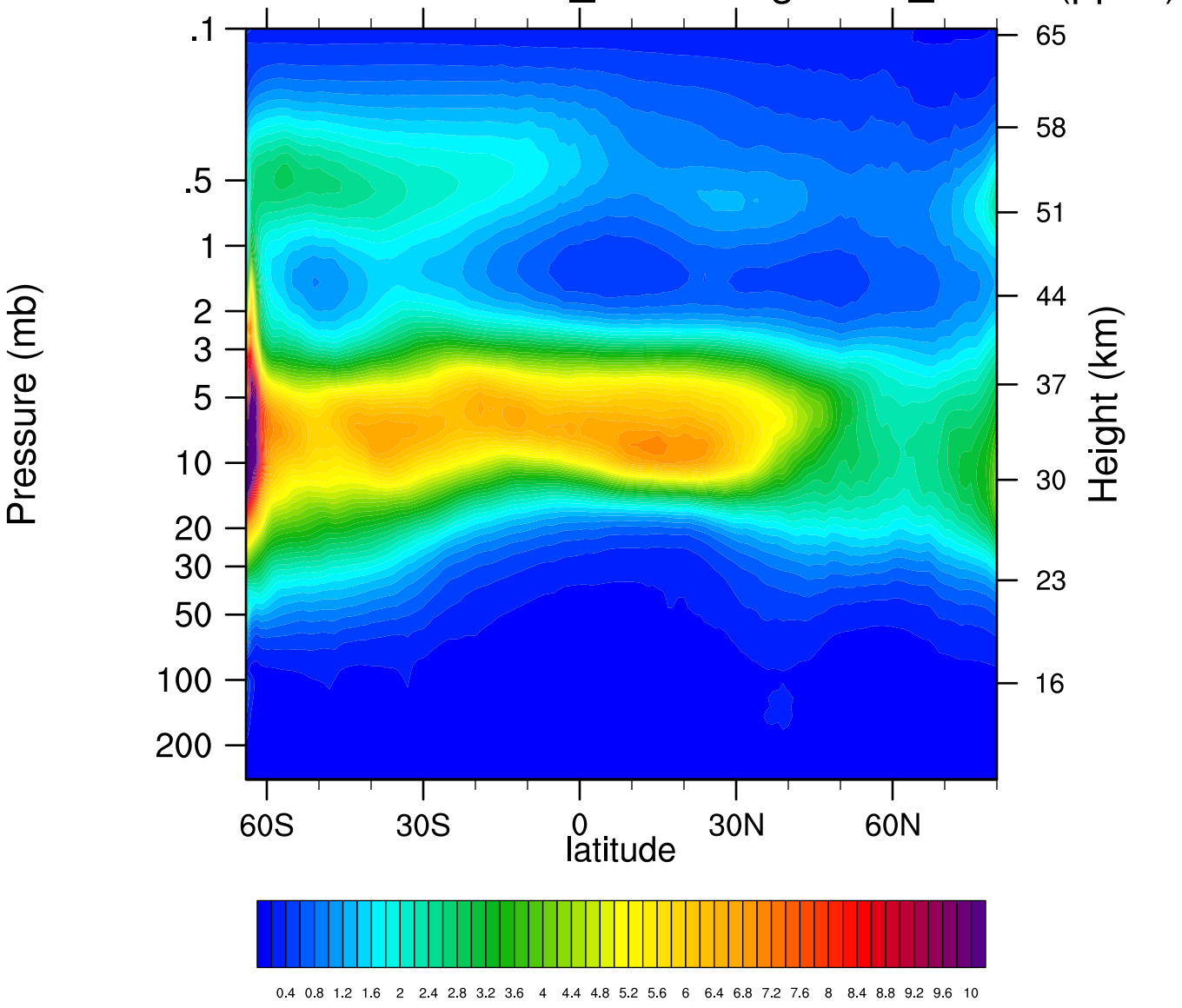
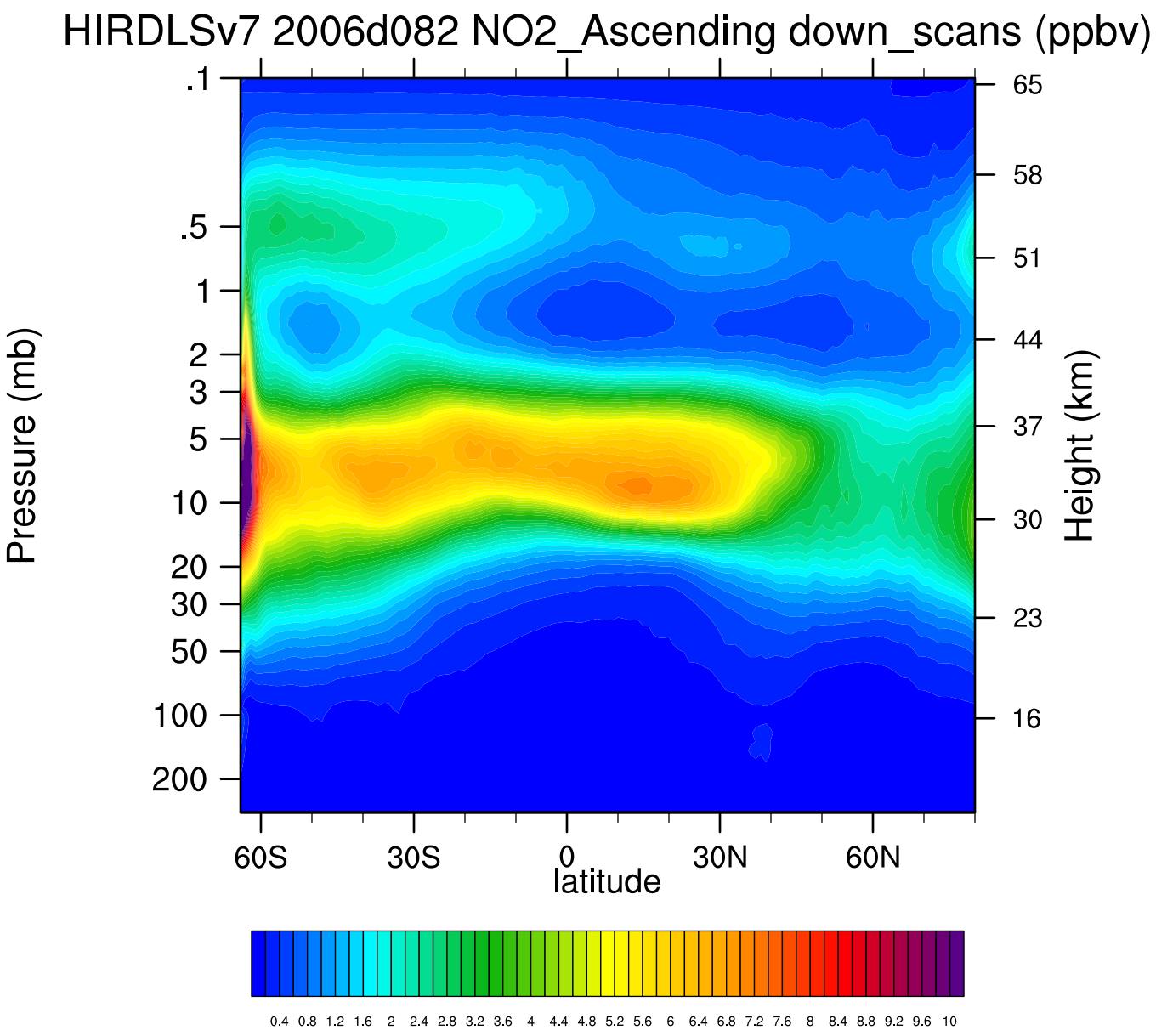
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2006d081 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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.5
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2
3
5
10
20
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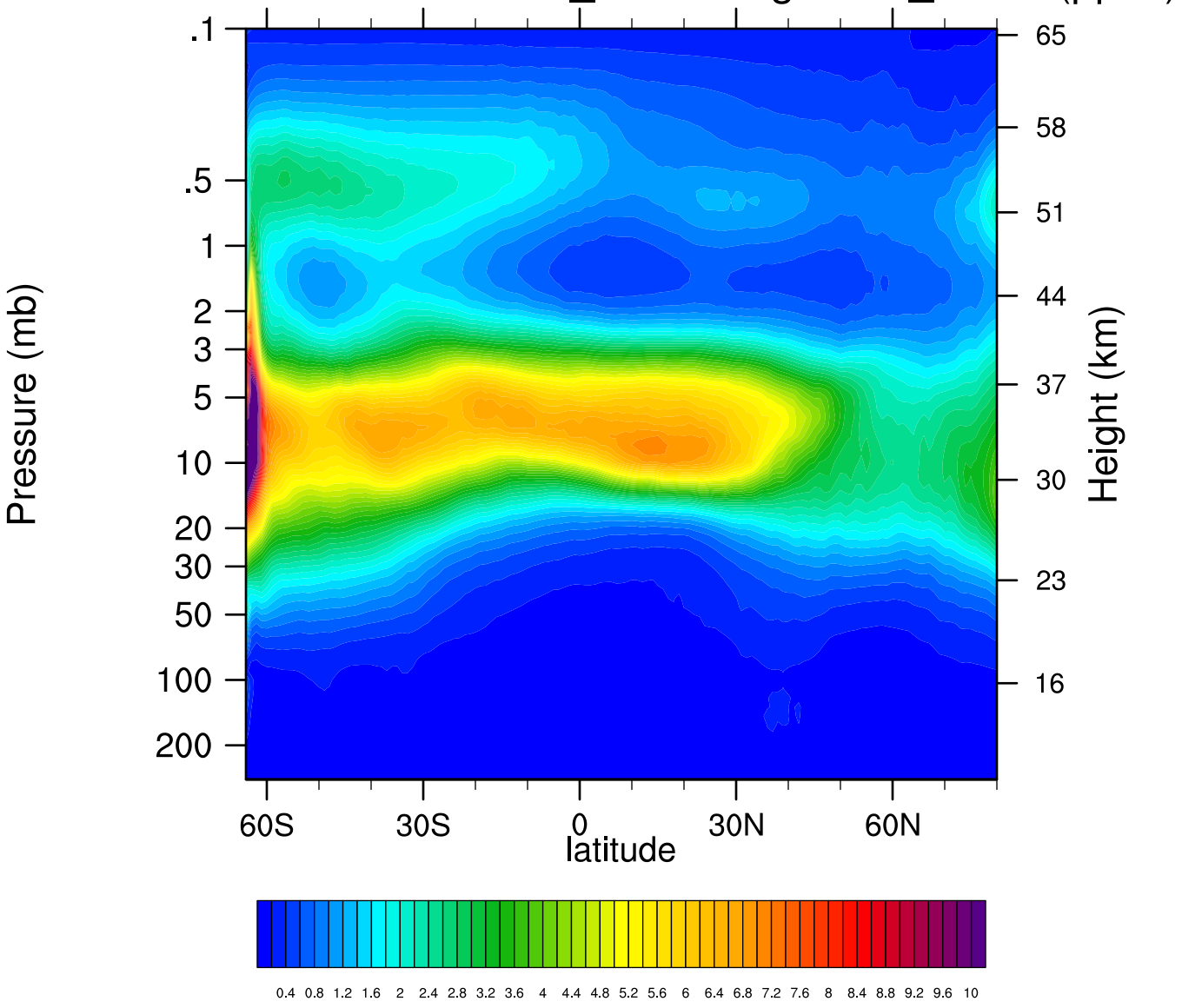
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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.5
1
2
3
5
10
20
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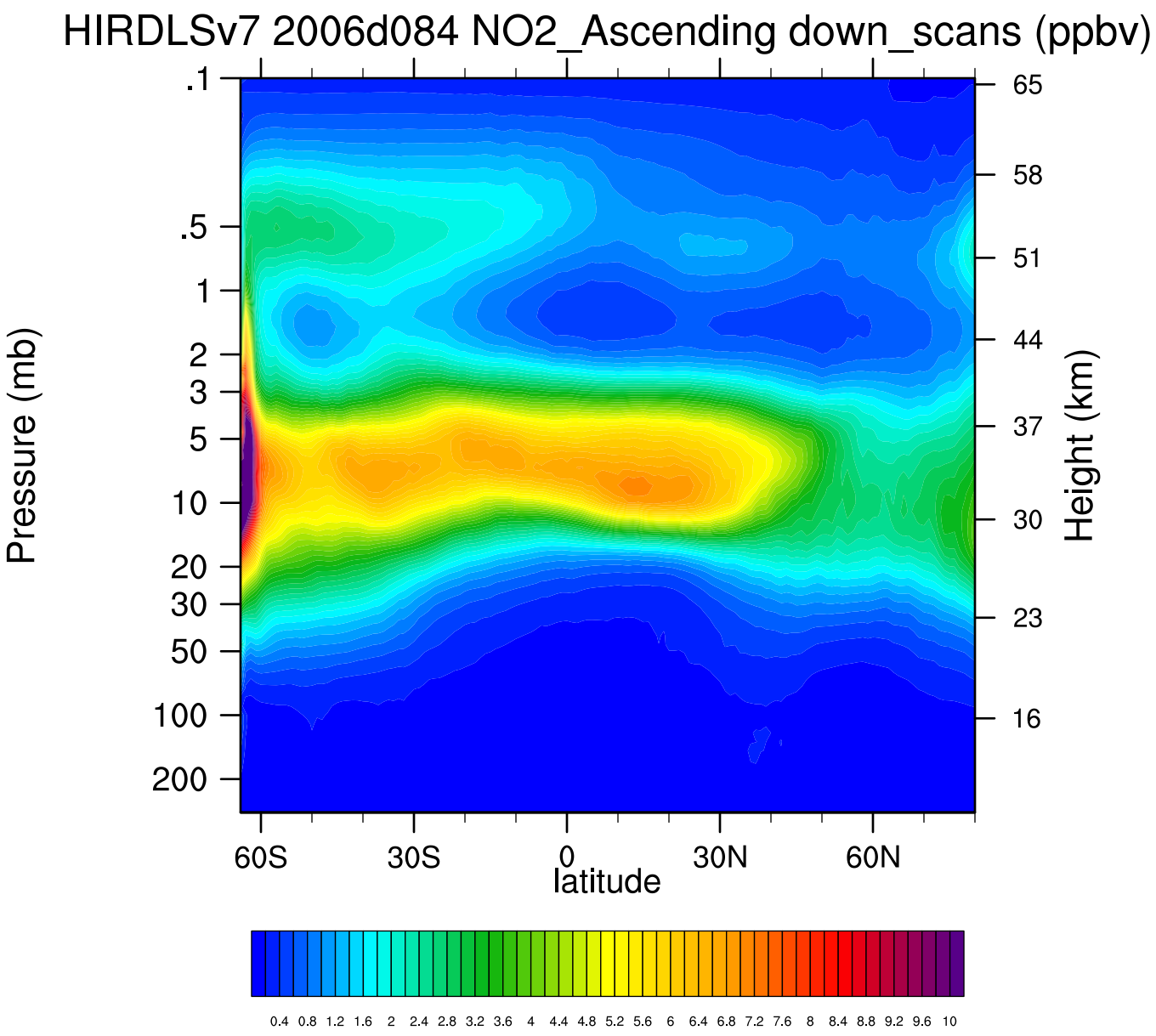
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2006d084 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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.5
1
2
3
5
10
20
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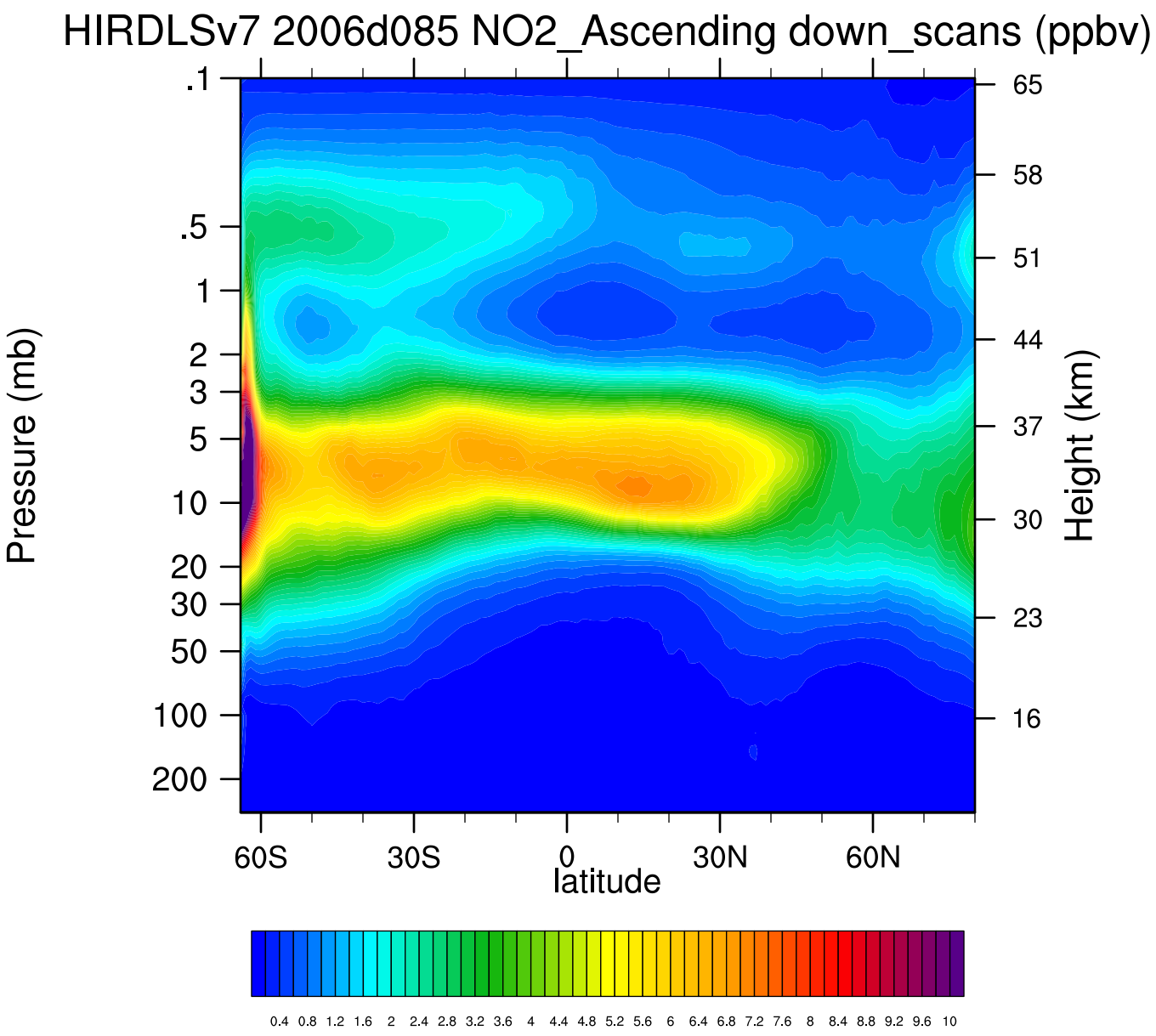
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2006d085 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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.5
1
2
3
5
10
20
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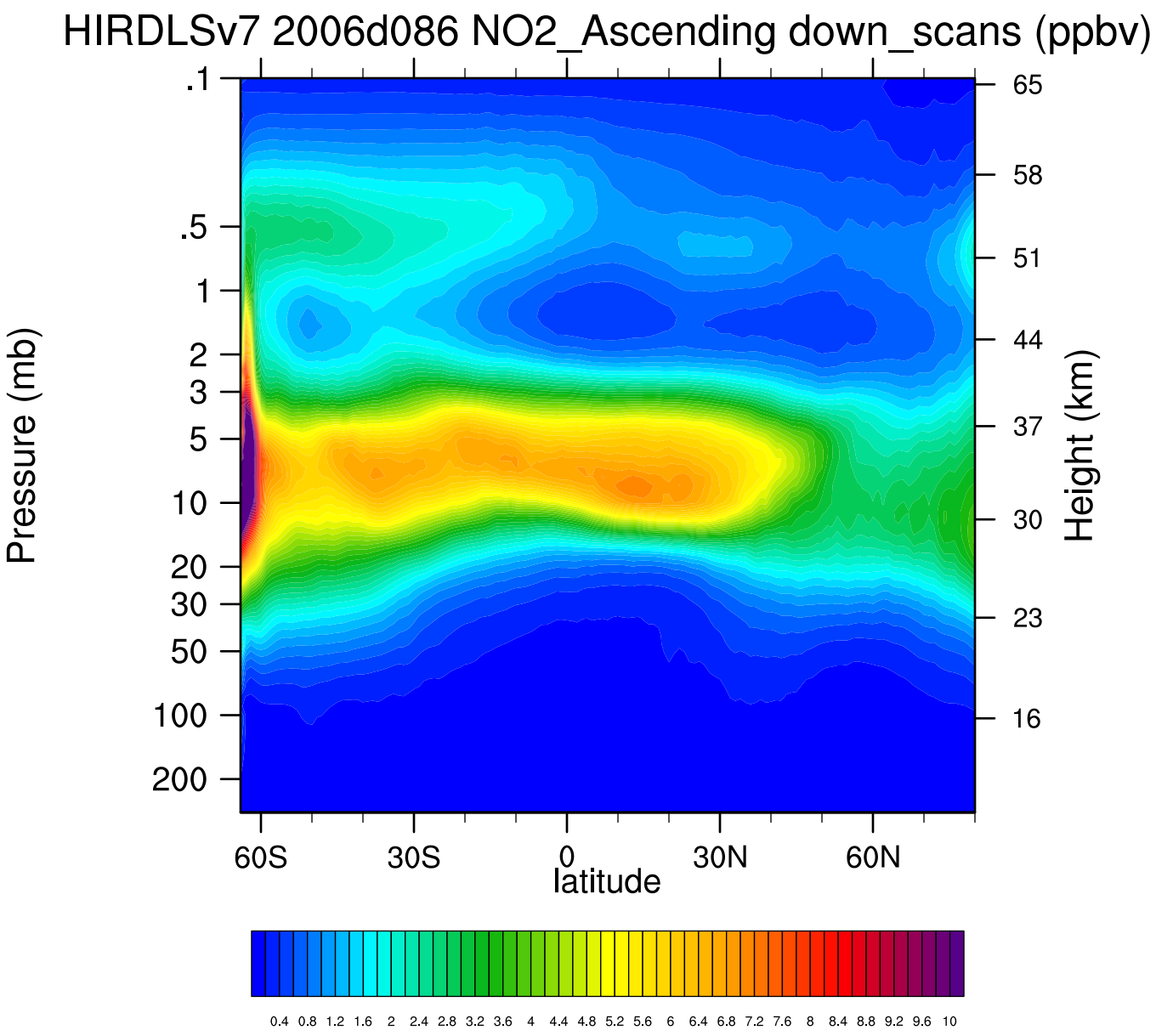
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2006d086 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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.5
1
2
3
5
10
20
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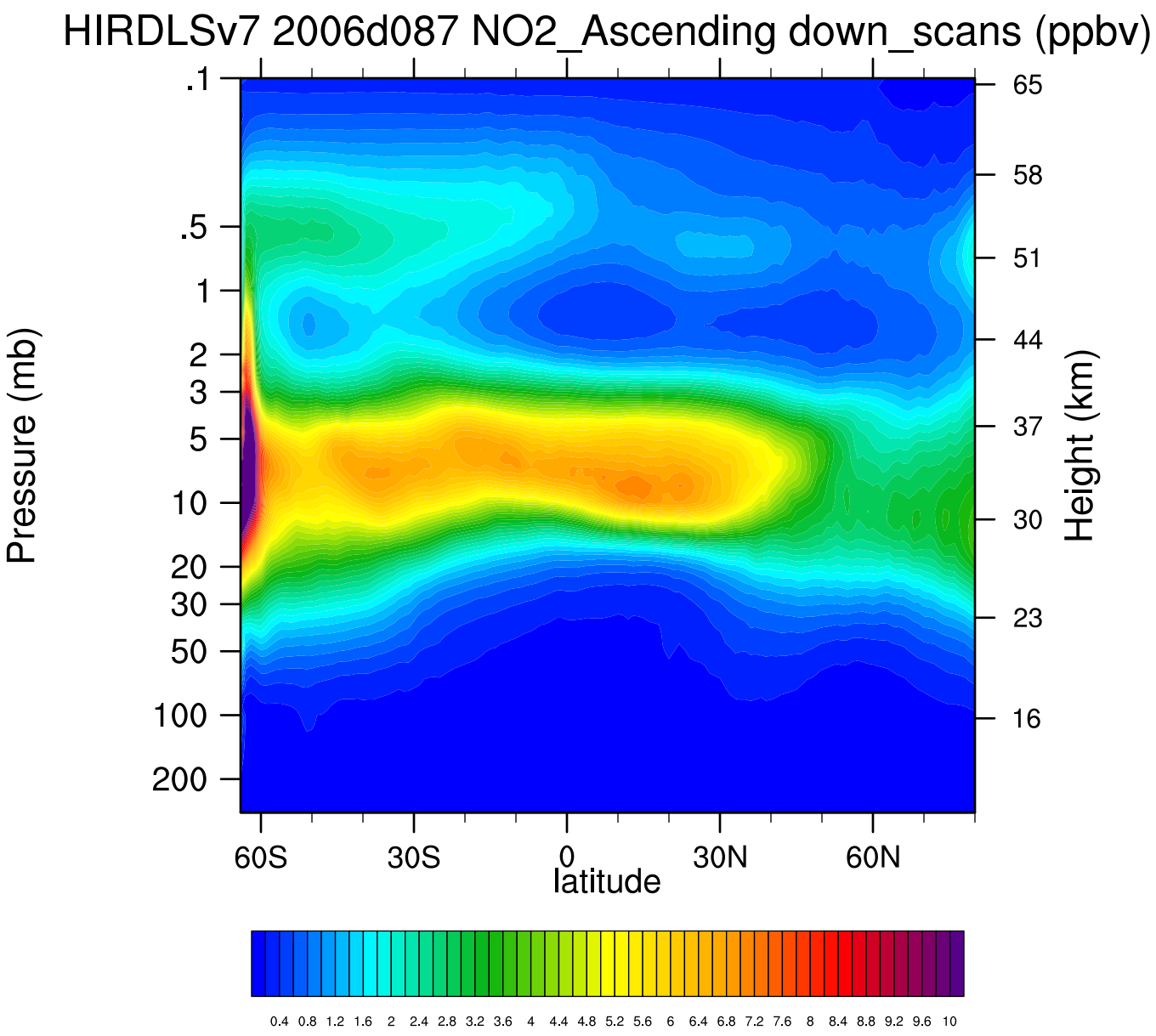
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2006d087 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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.5
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2
3
5
10
20
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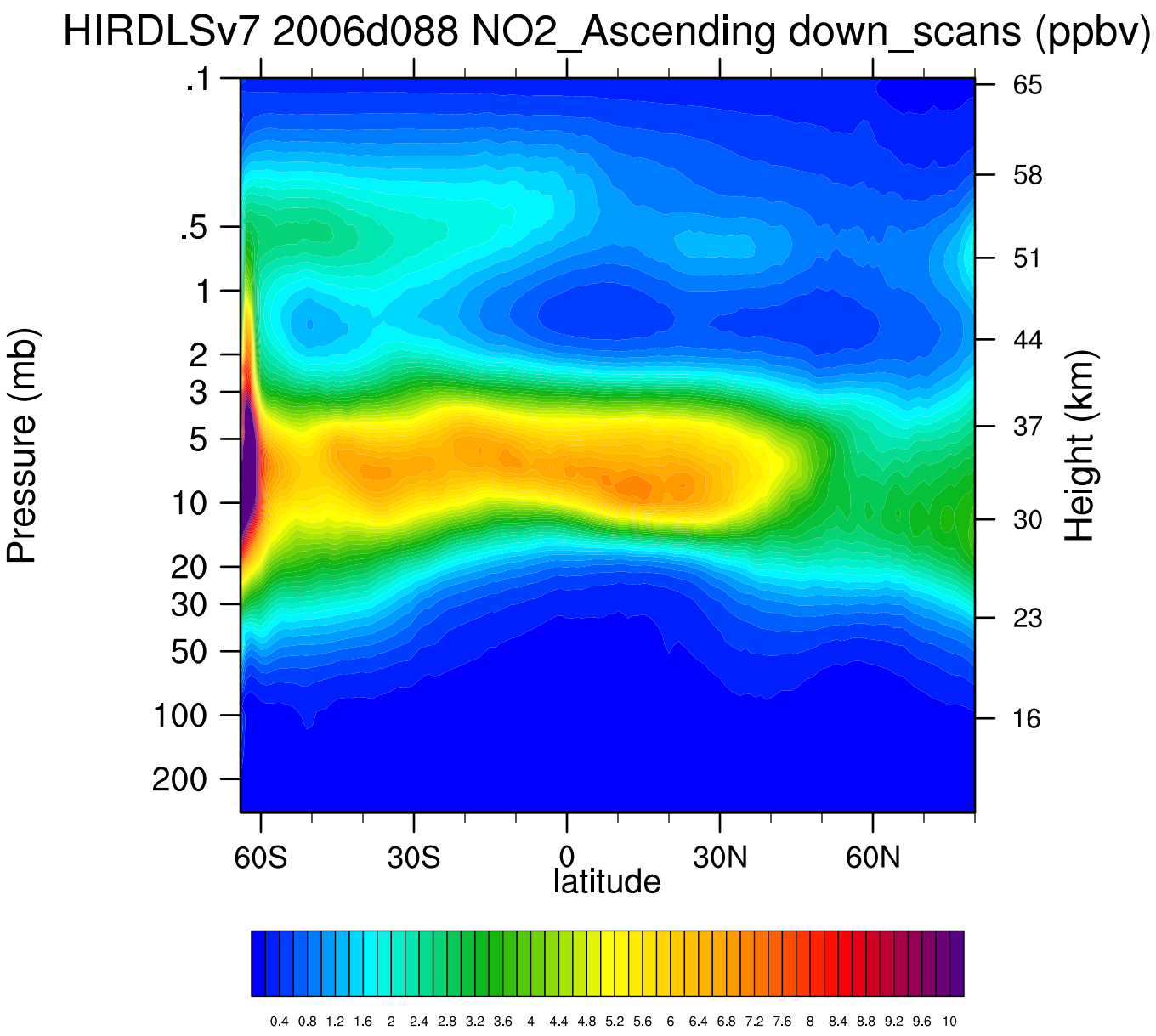
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2006d088 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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.5
1
2
3
5
10
20
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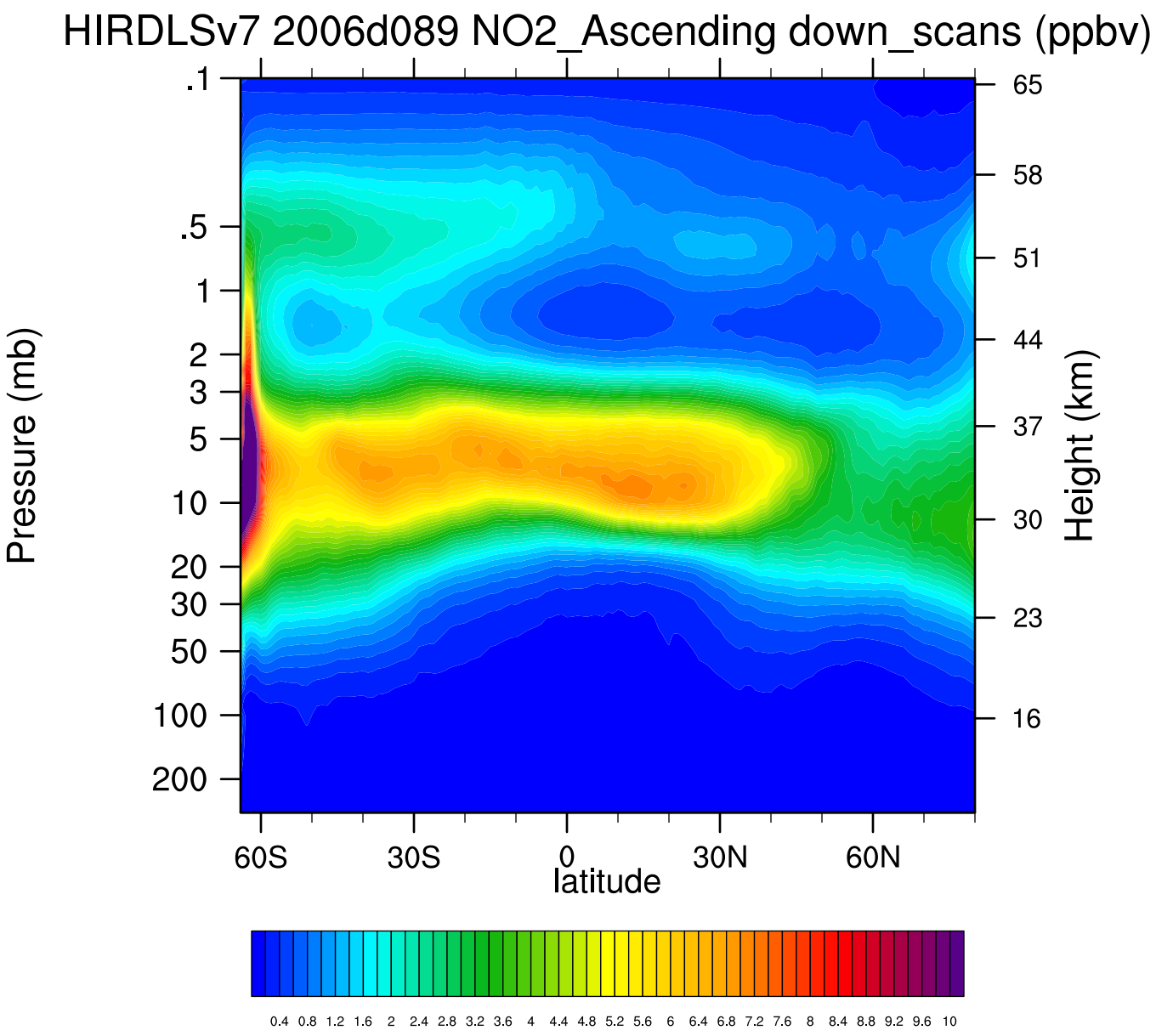
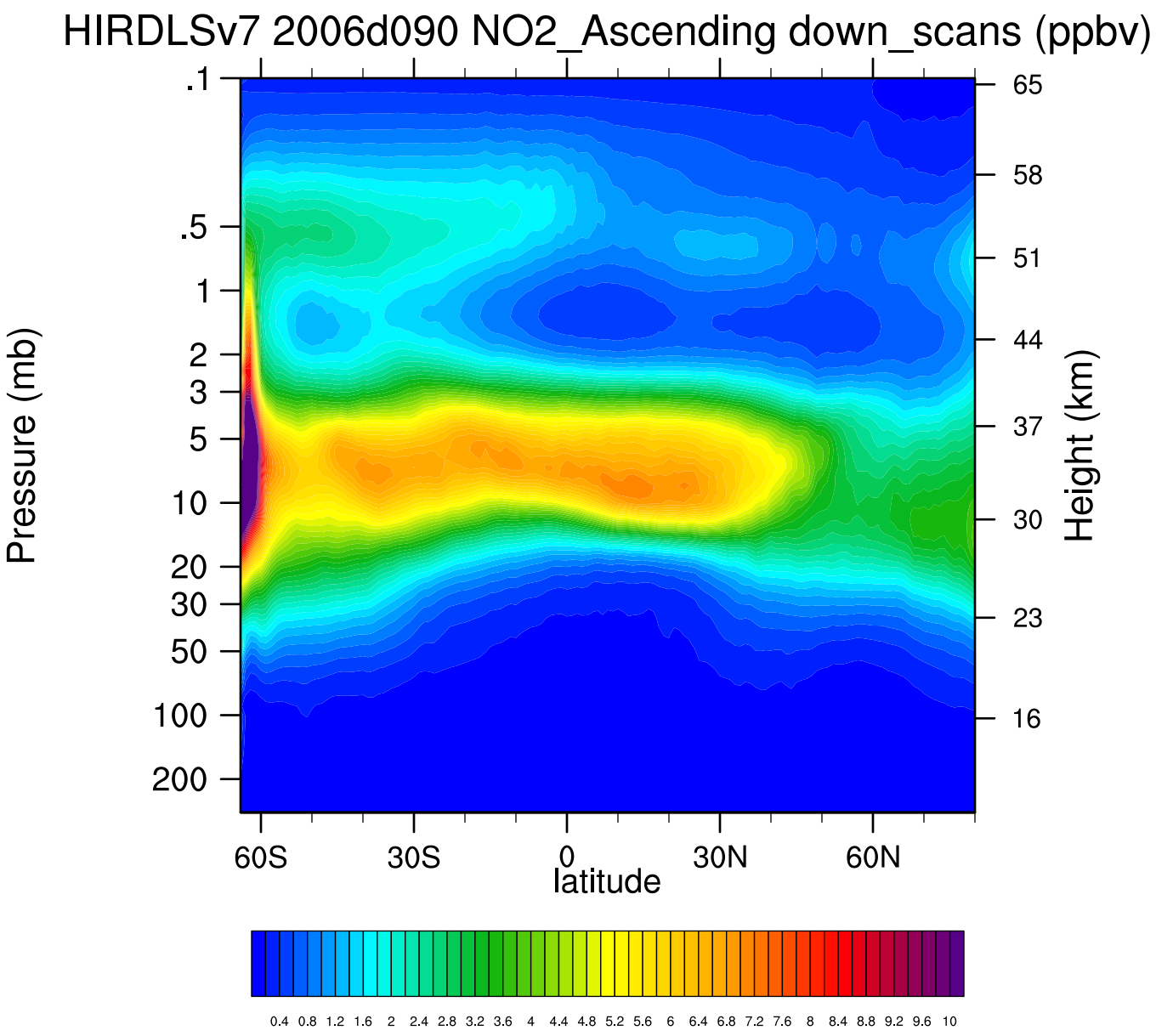
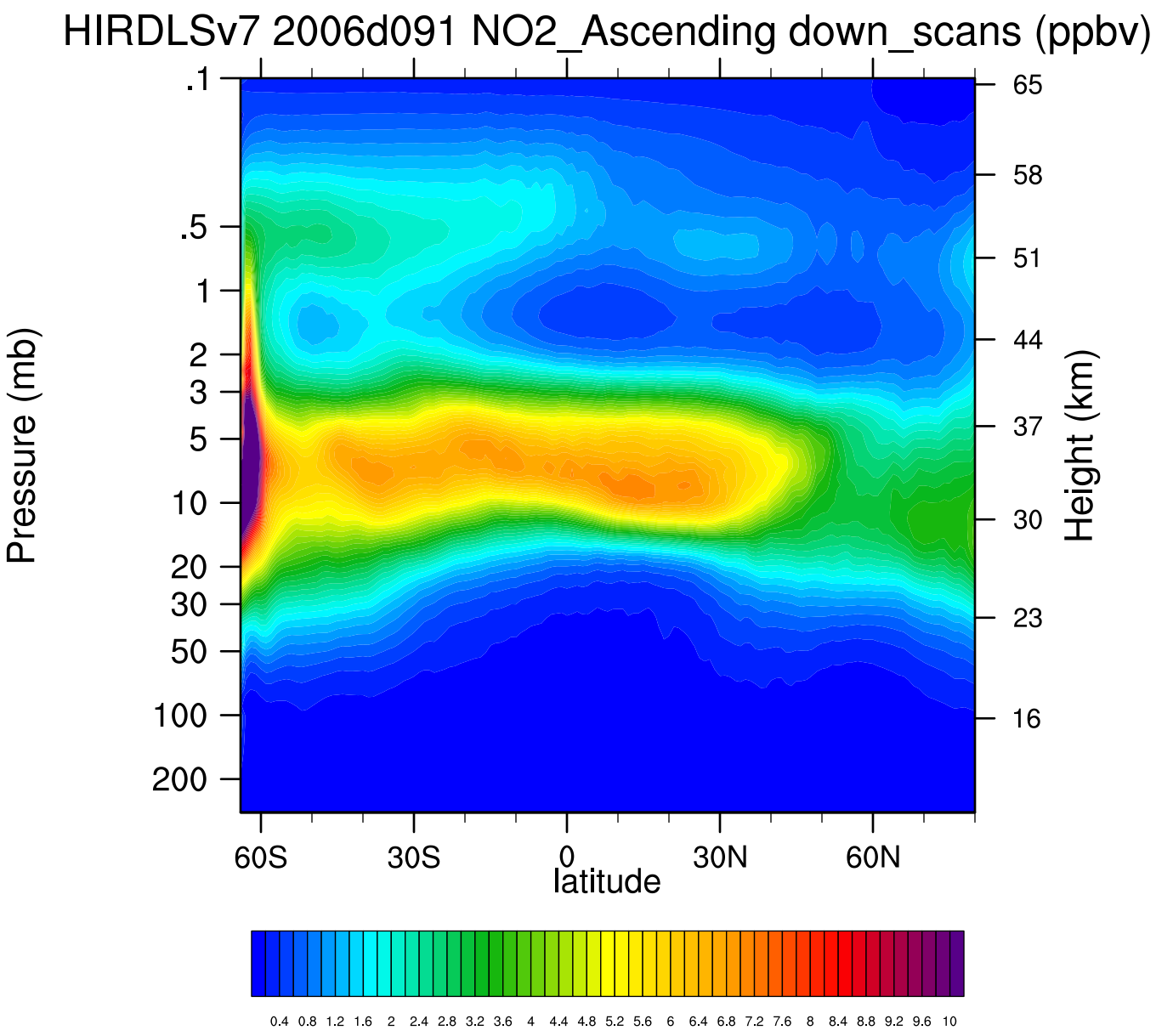
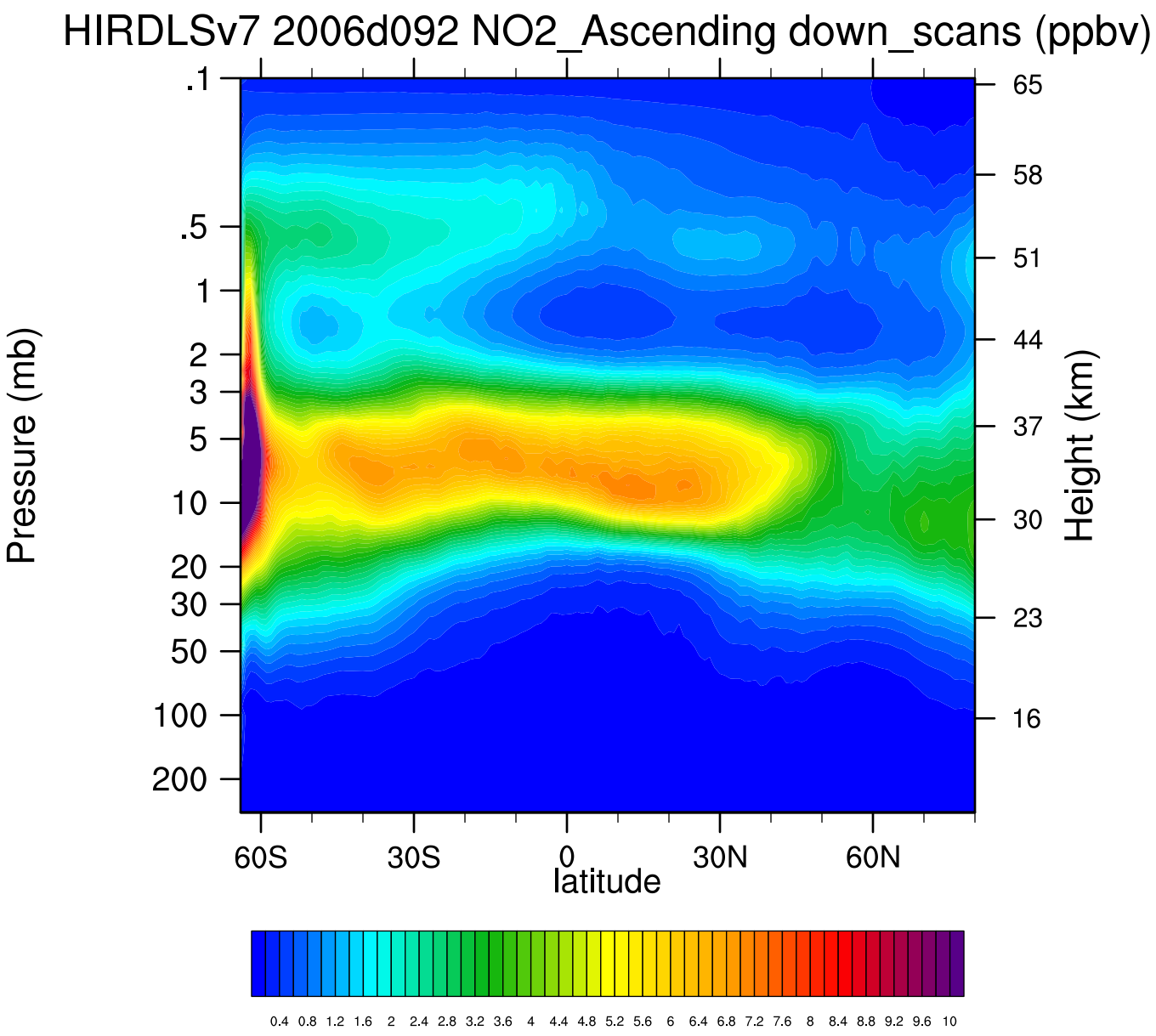
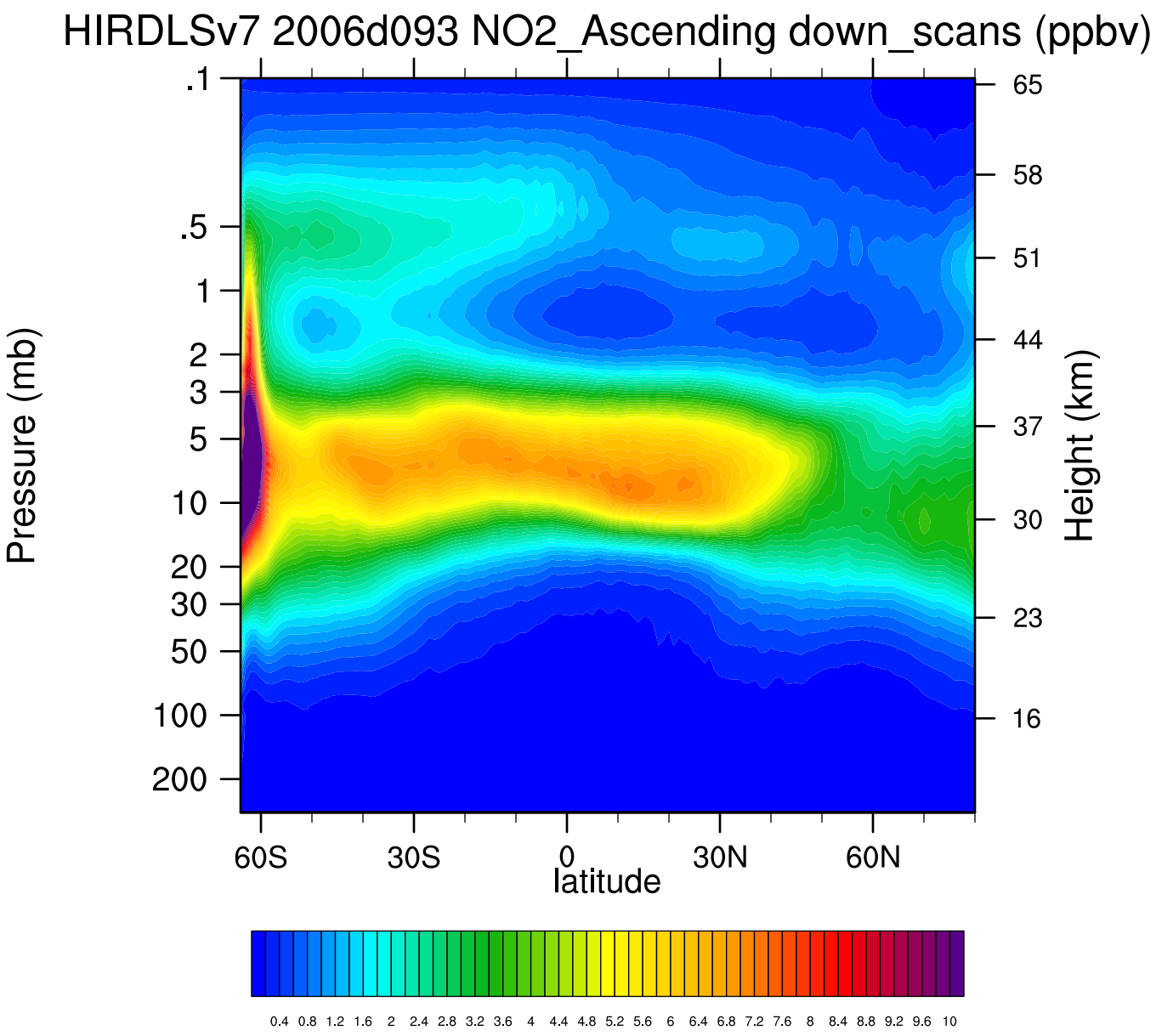
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2006d089 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2006d090 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2006d091 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2006d092 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2006d093 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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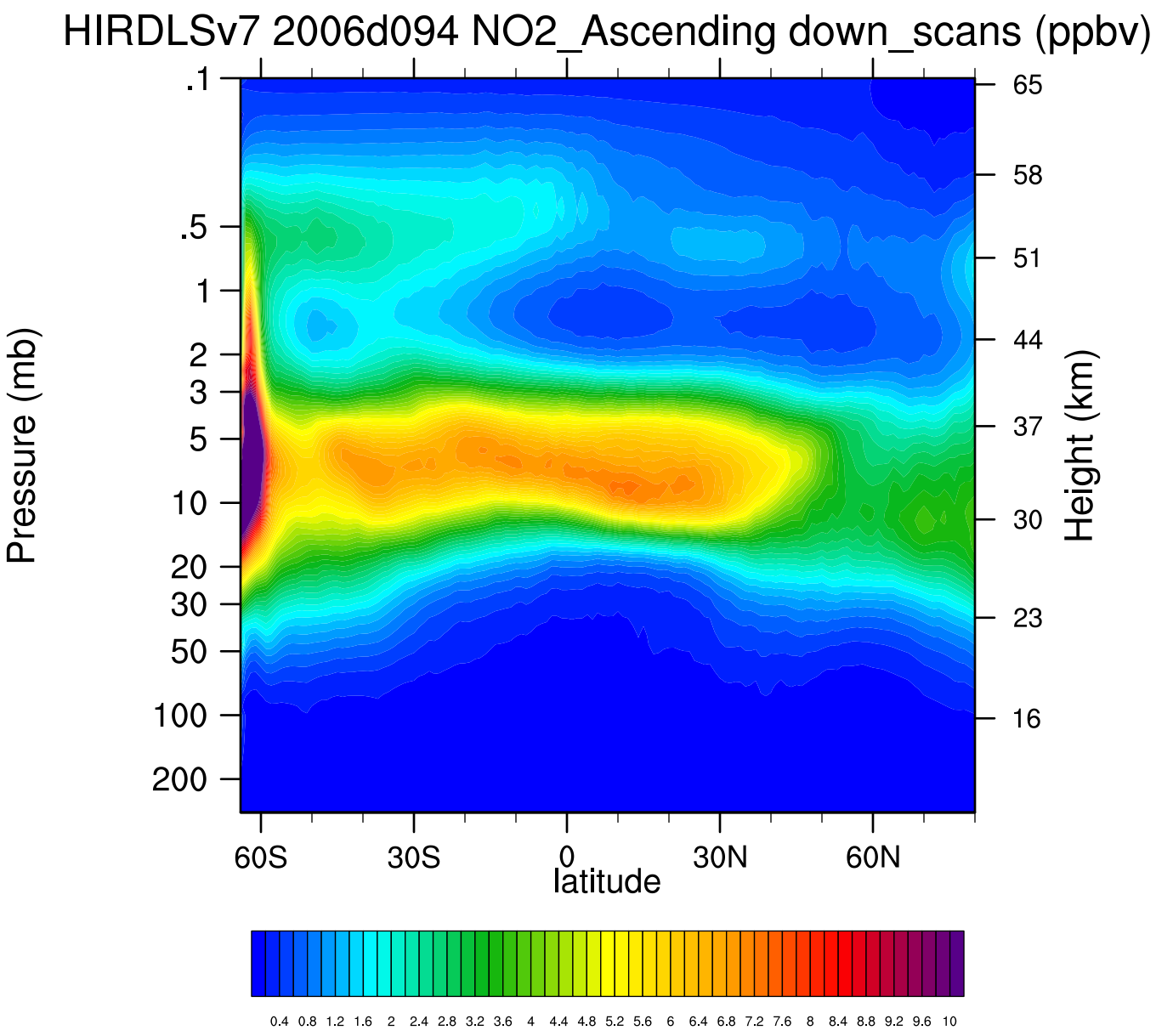
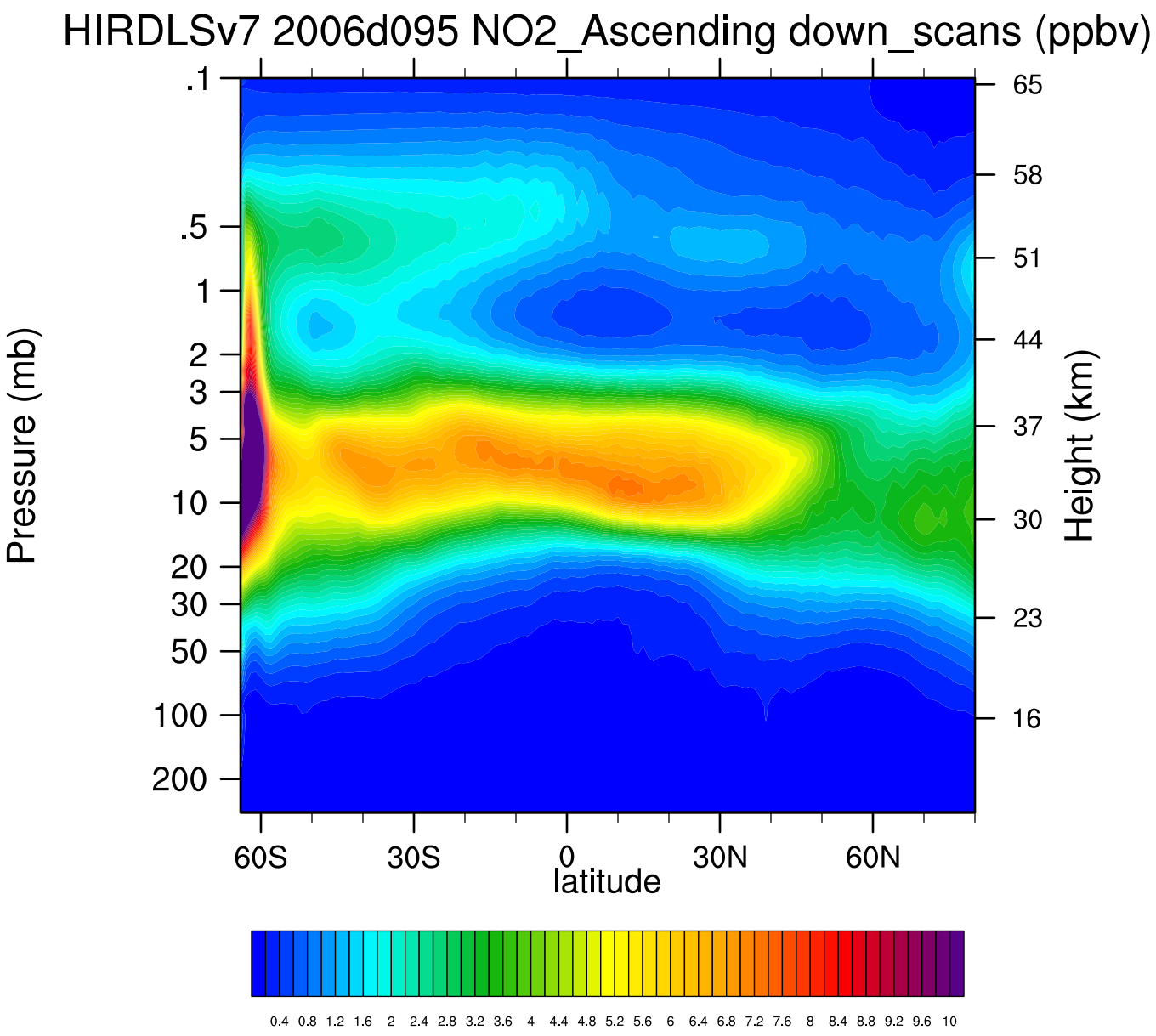
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2006d094 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2006d095 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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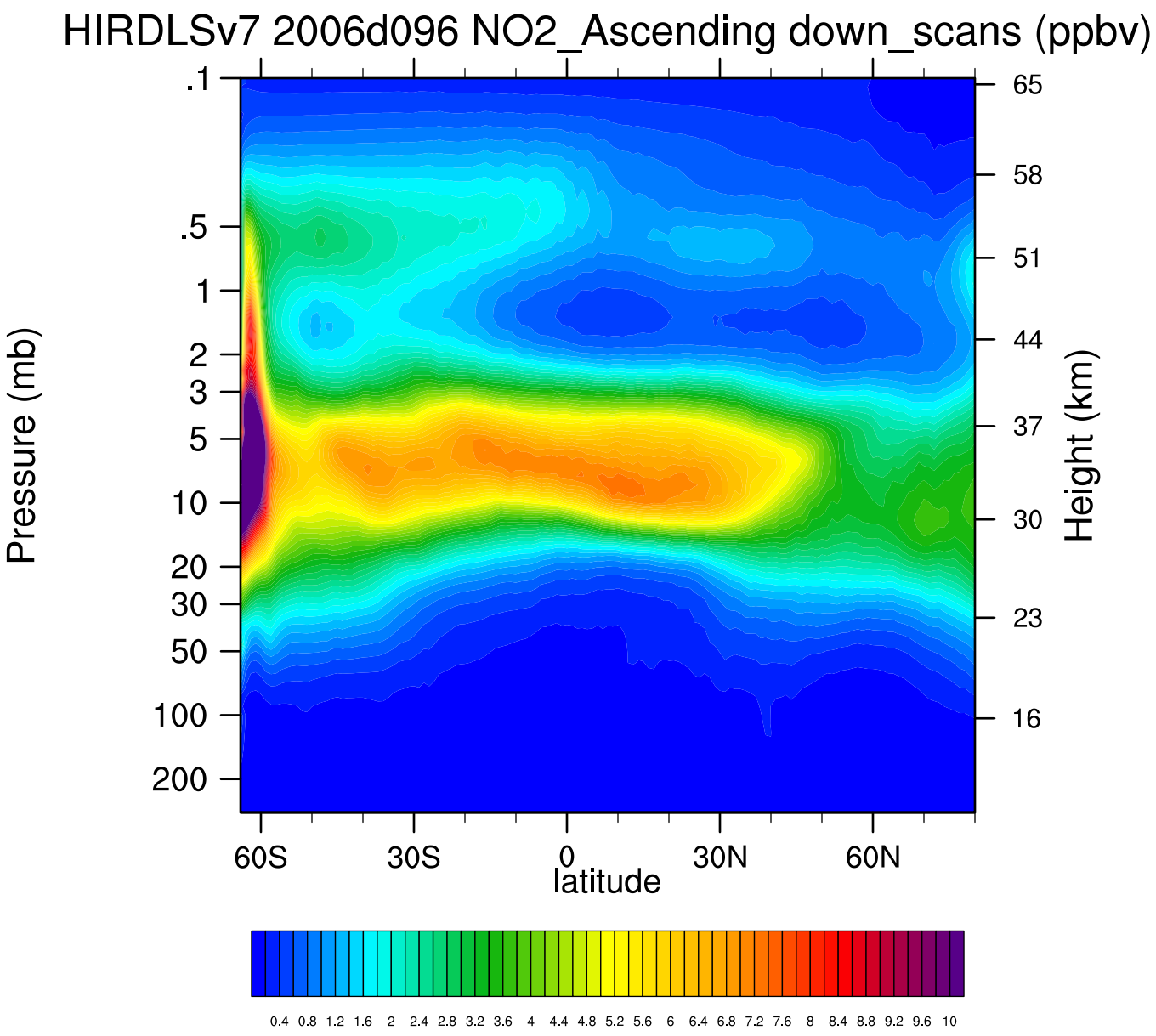
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2006d096 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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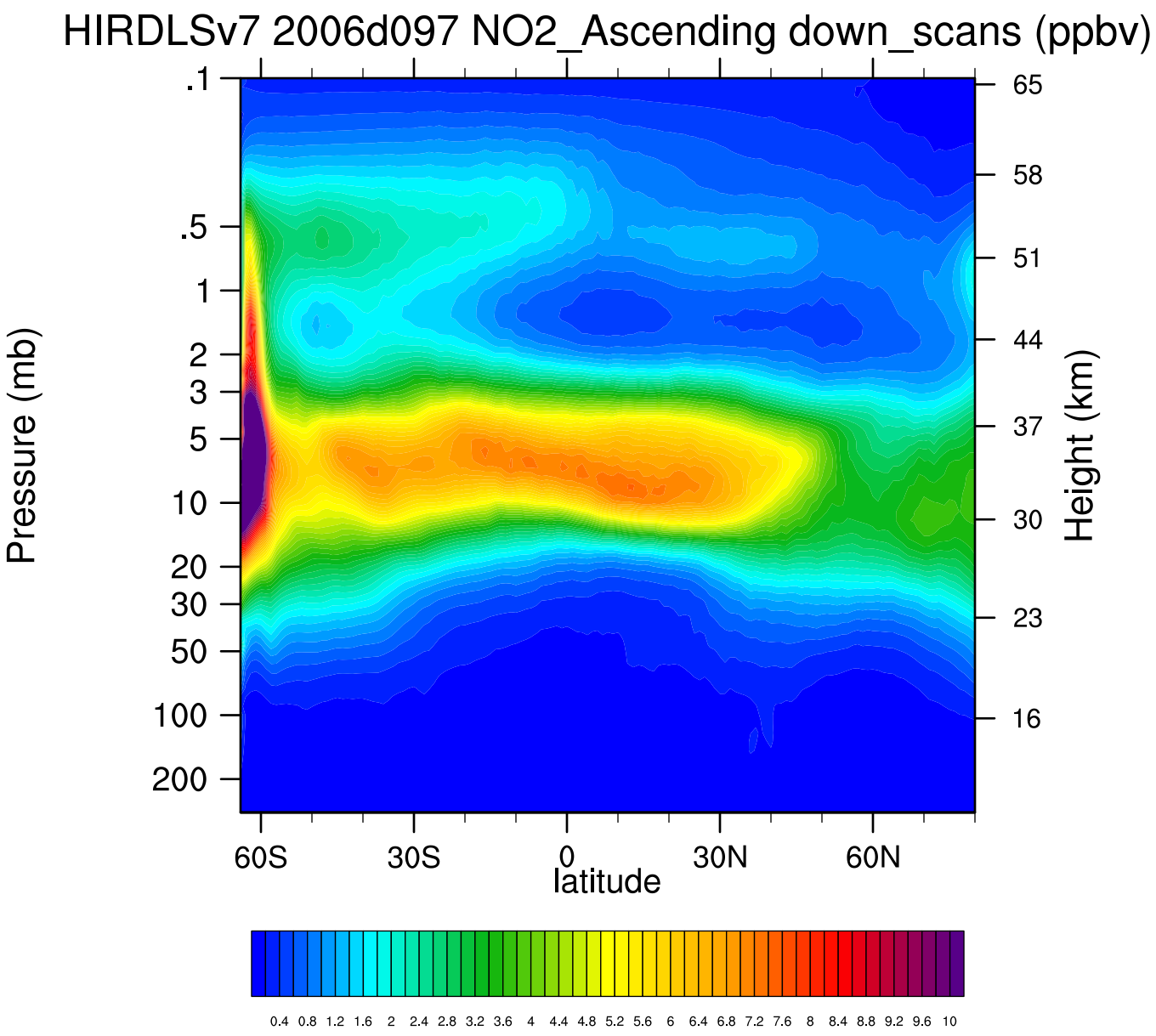
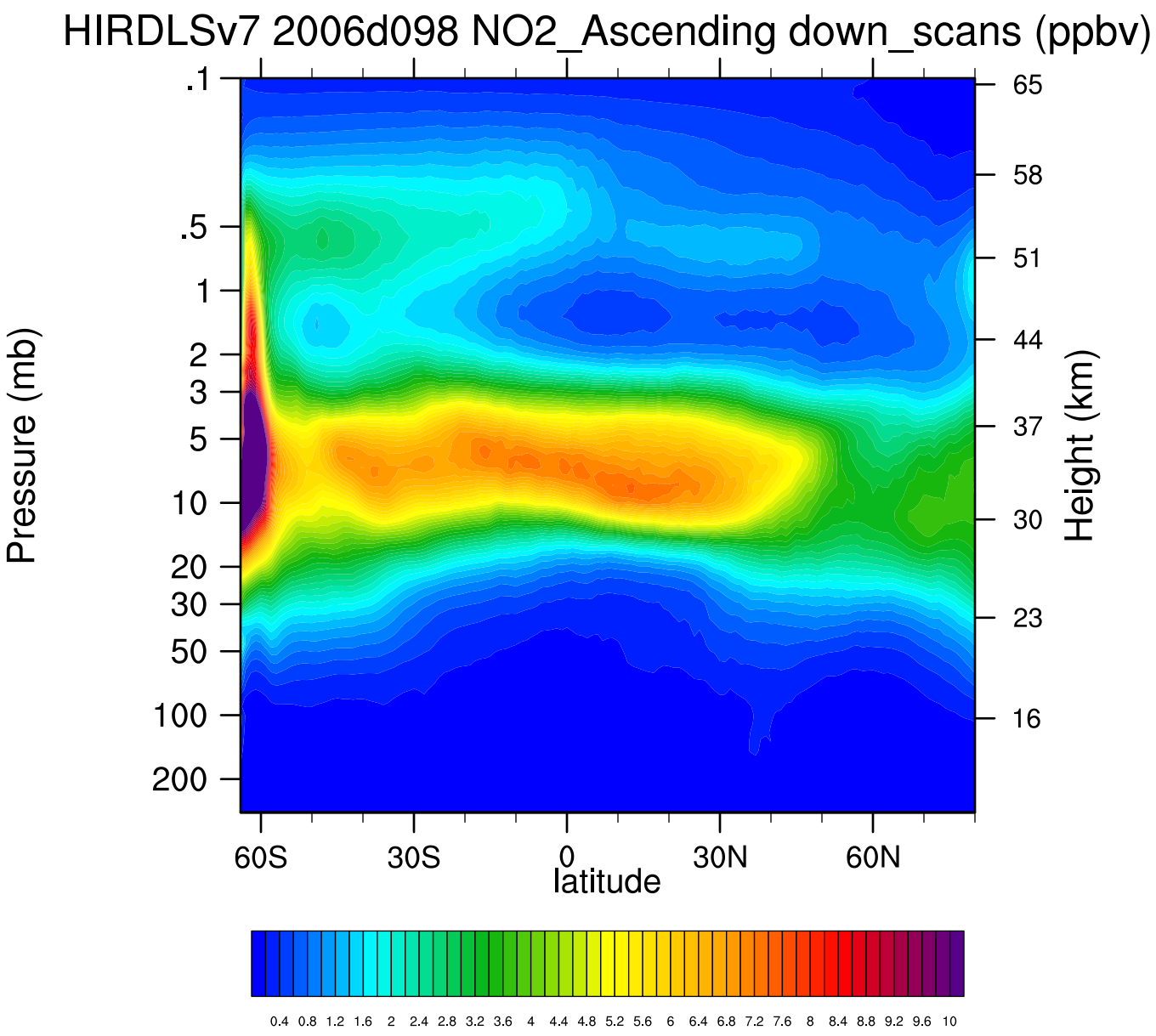
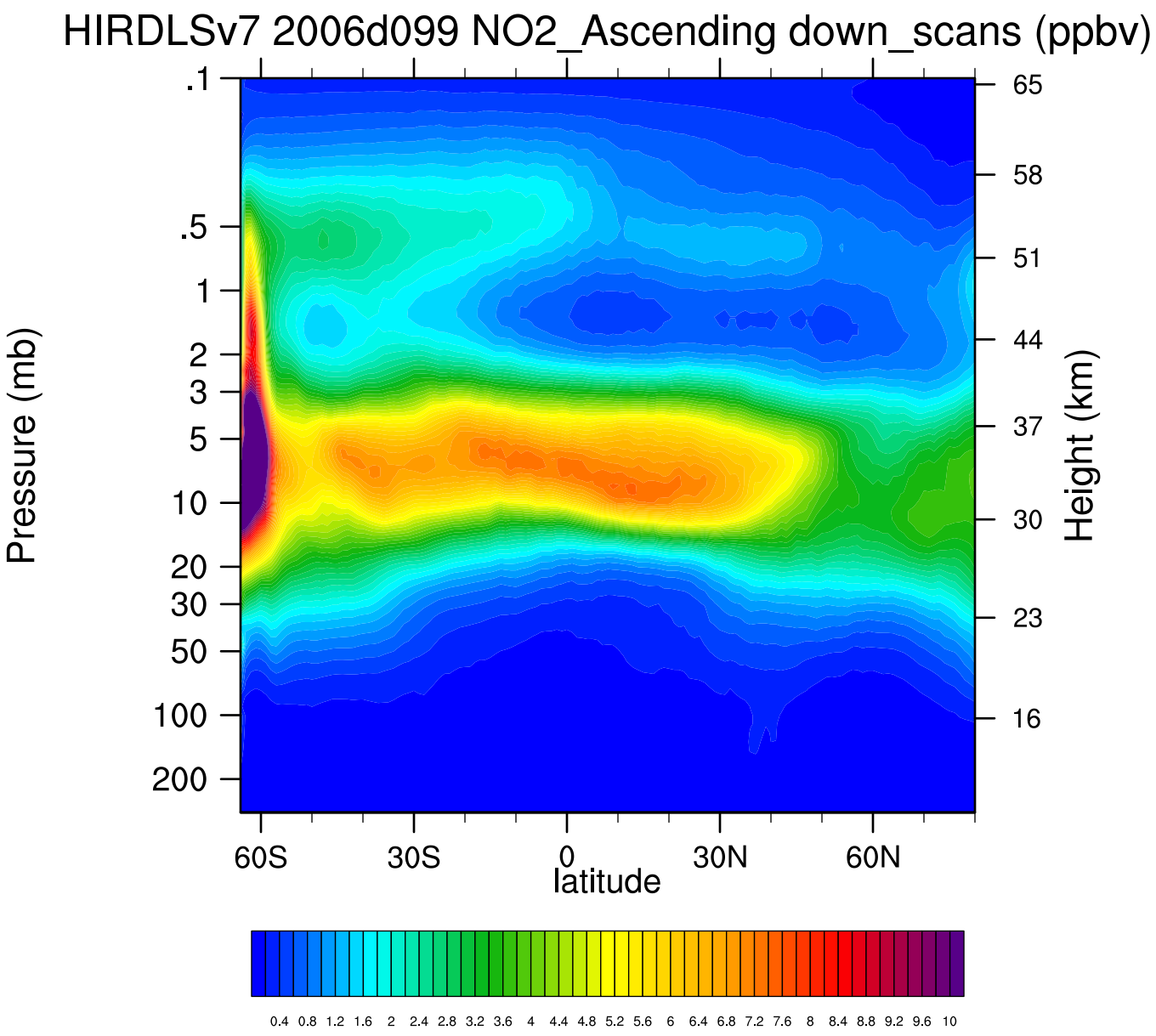
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2006d097 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2006d098 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2006d099 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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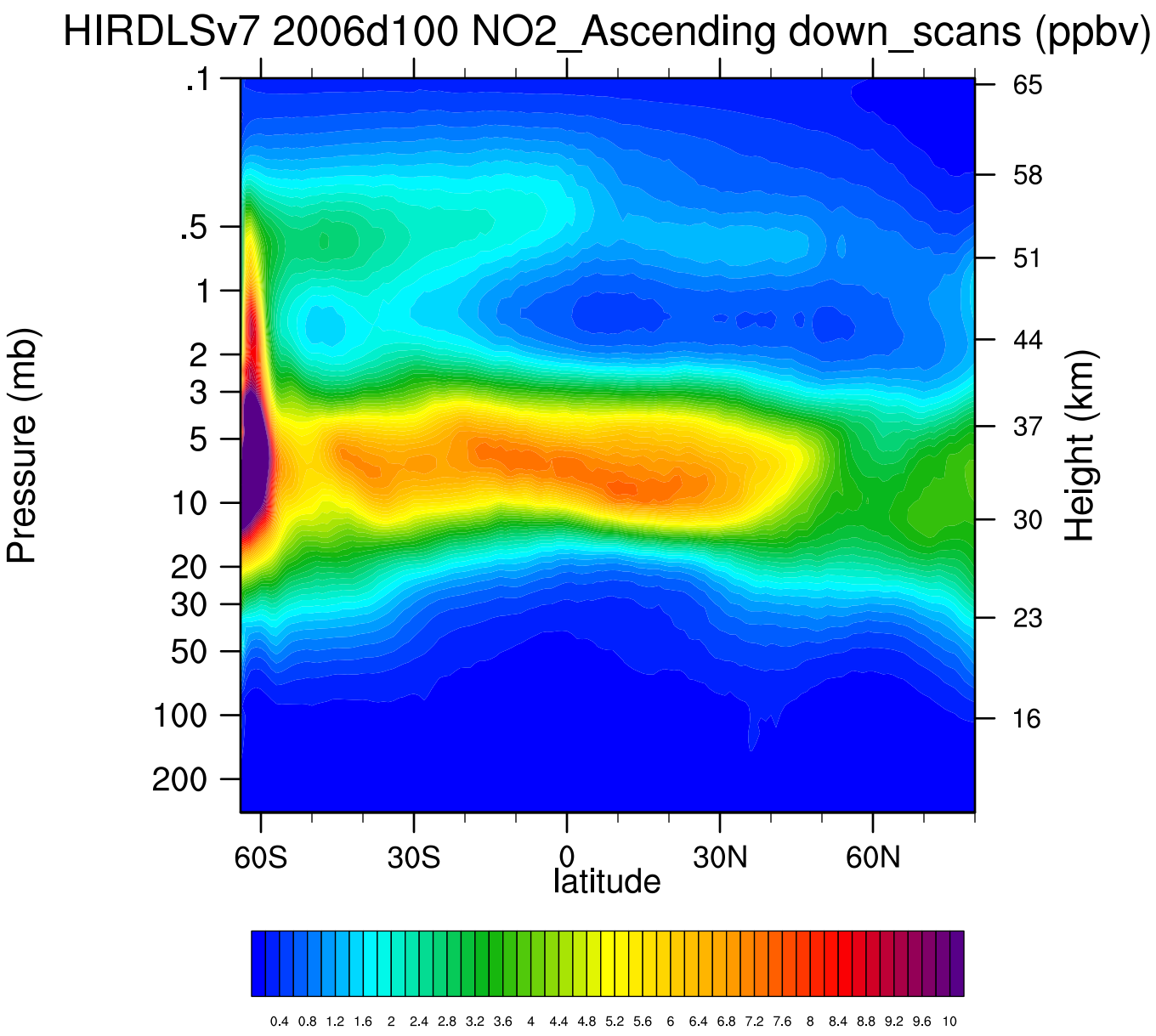
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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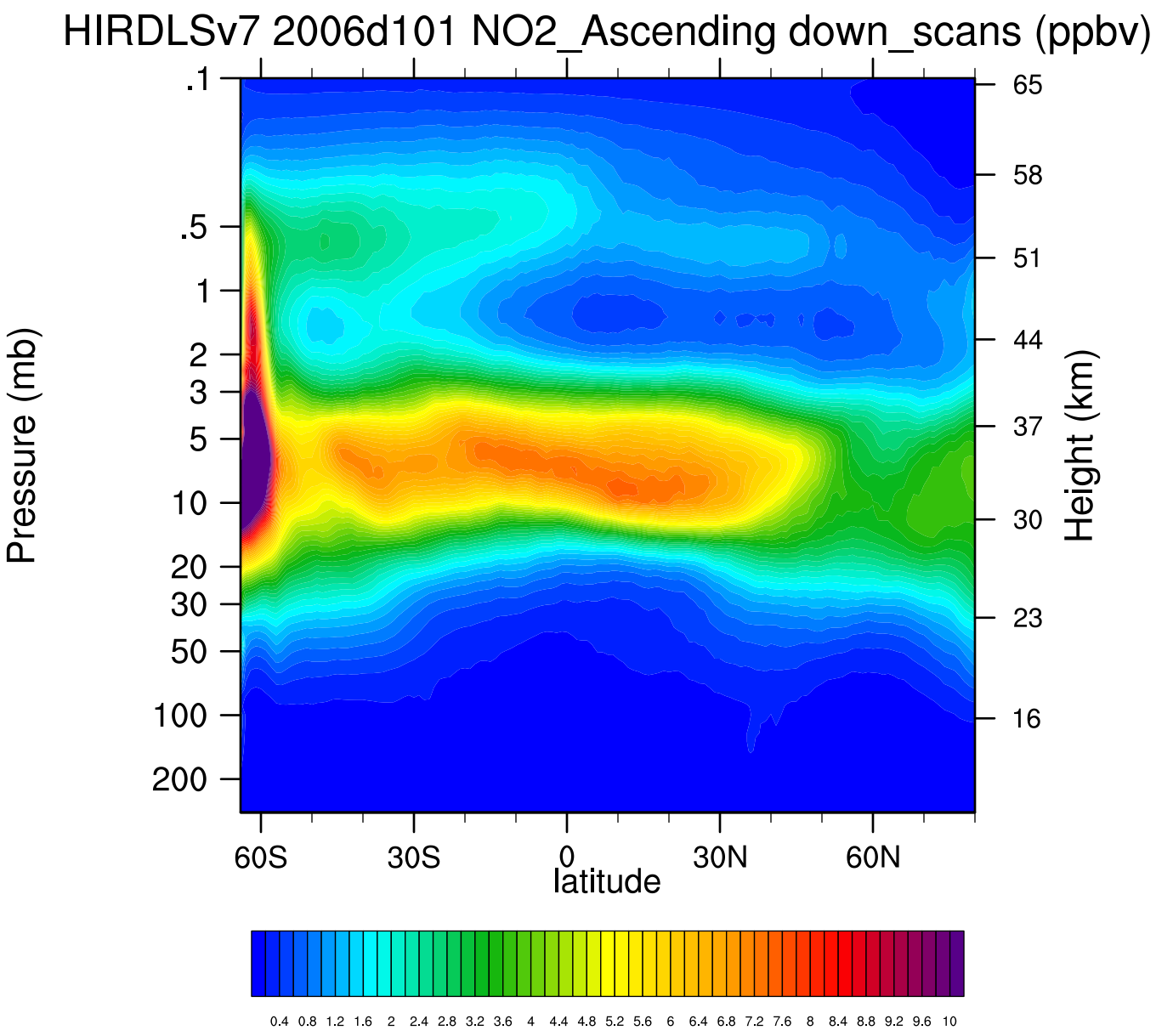
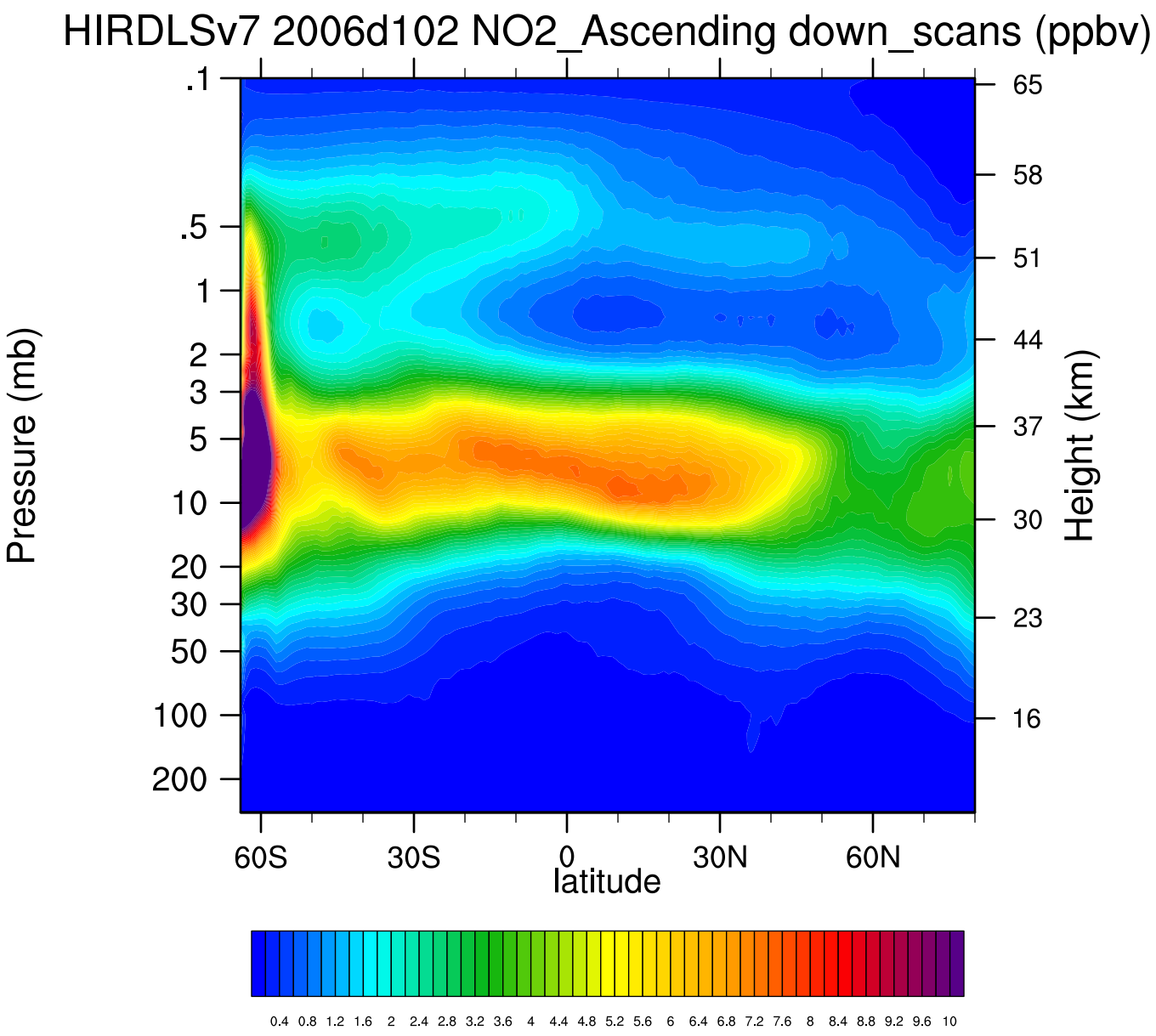
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2006d101 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2006d102 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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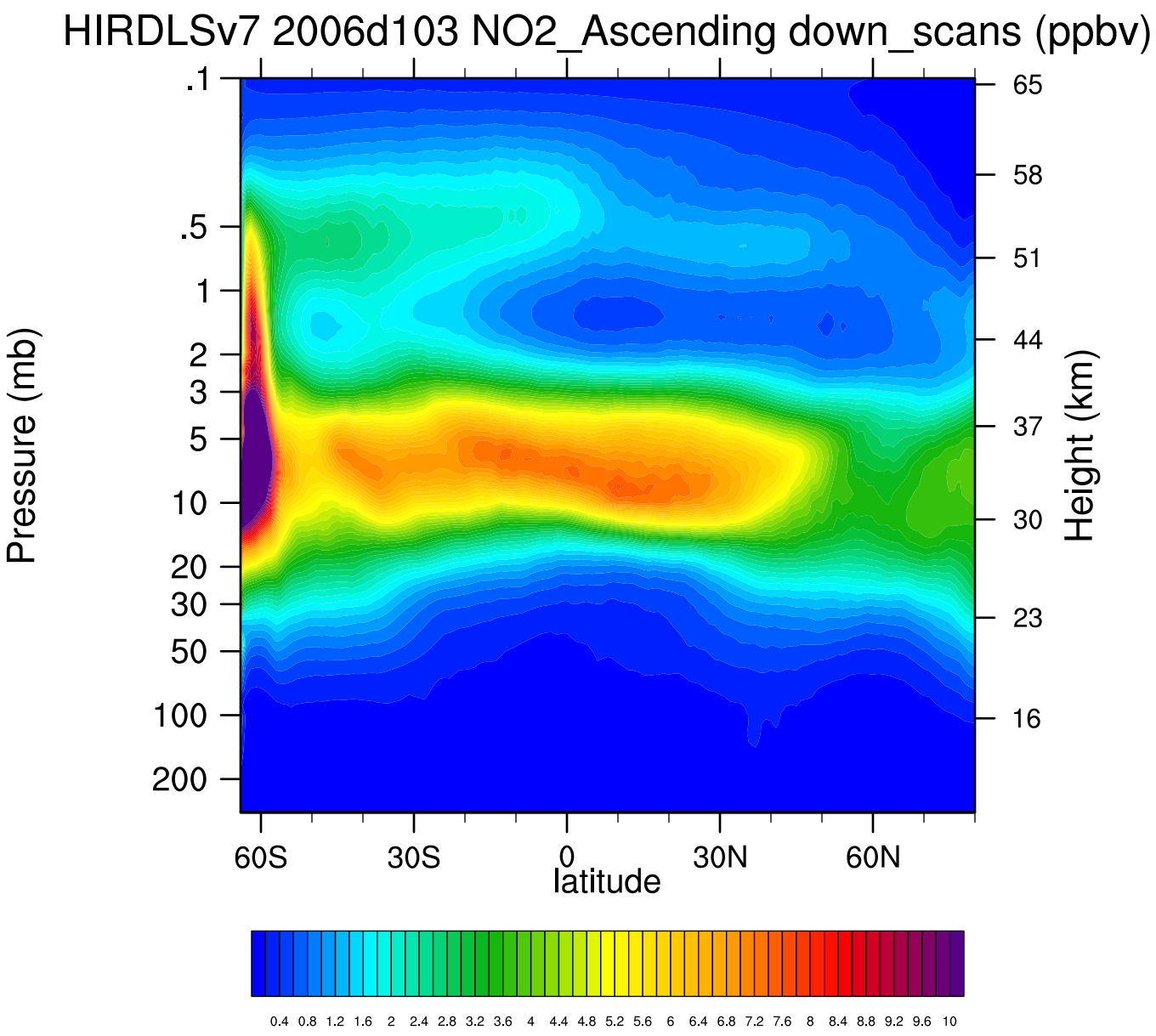
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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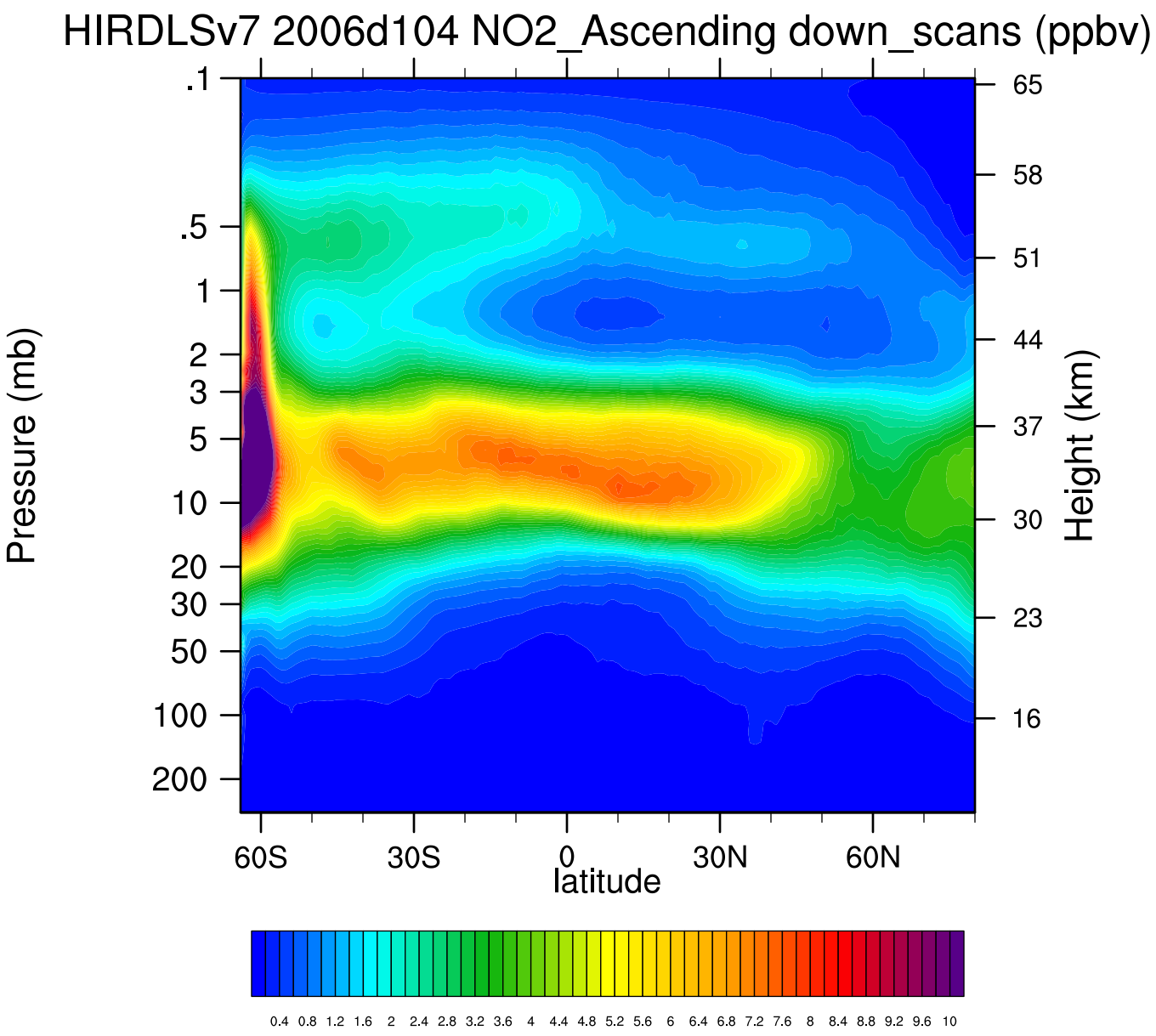
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2006d104 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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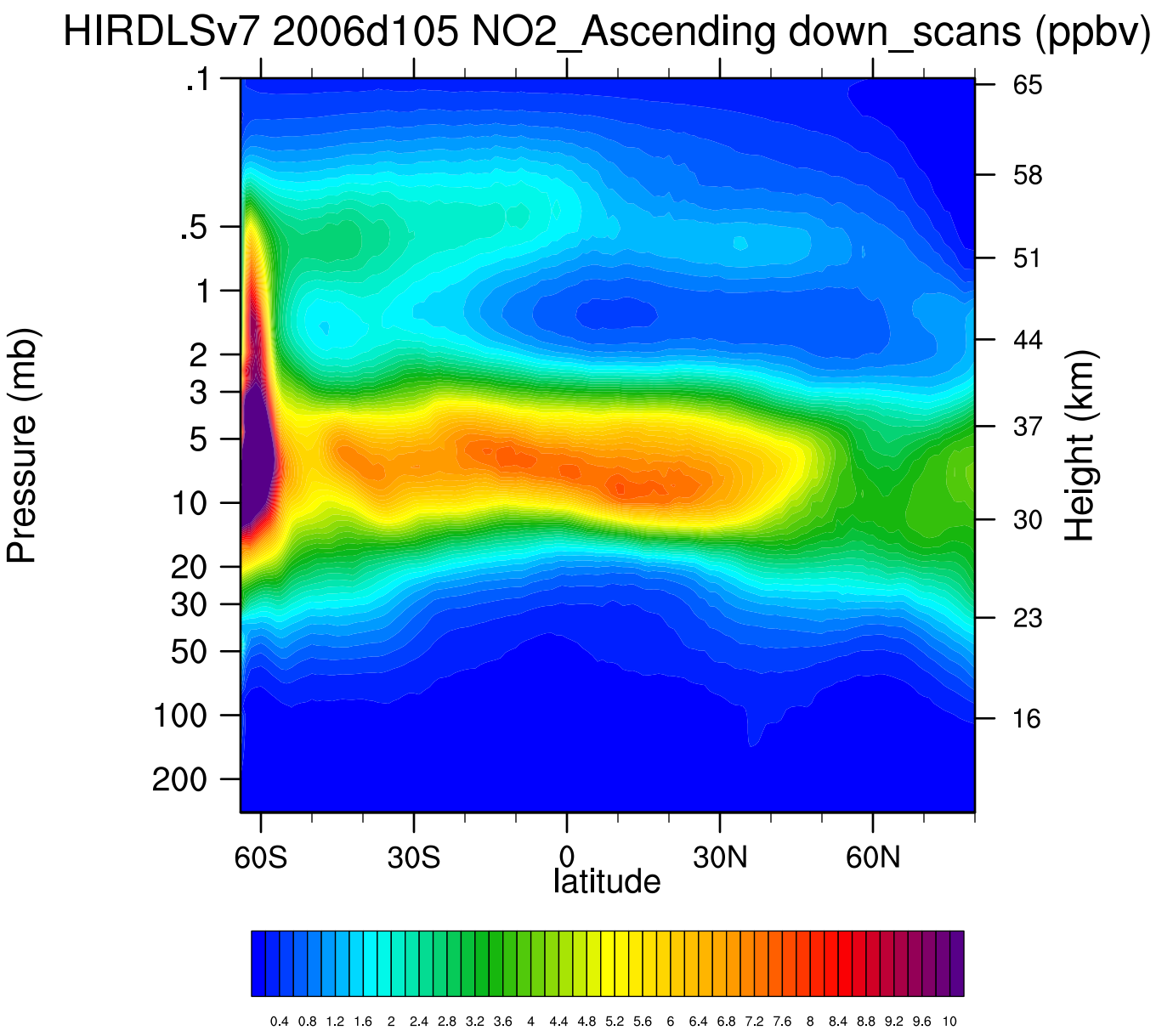
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2006d105 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
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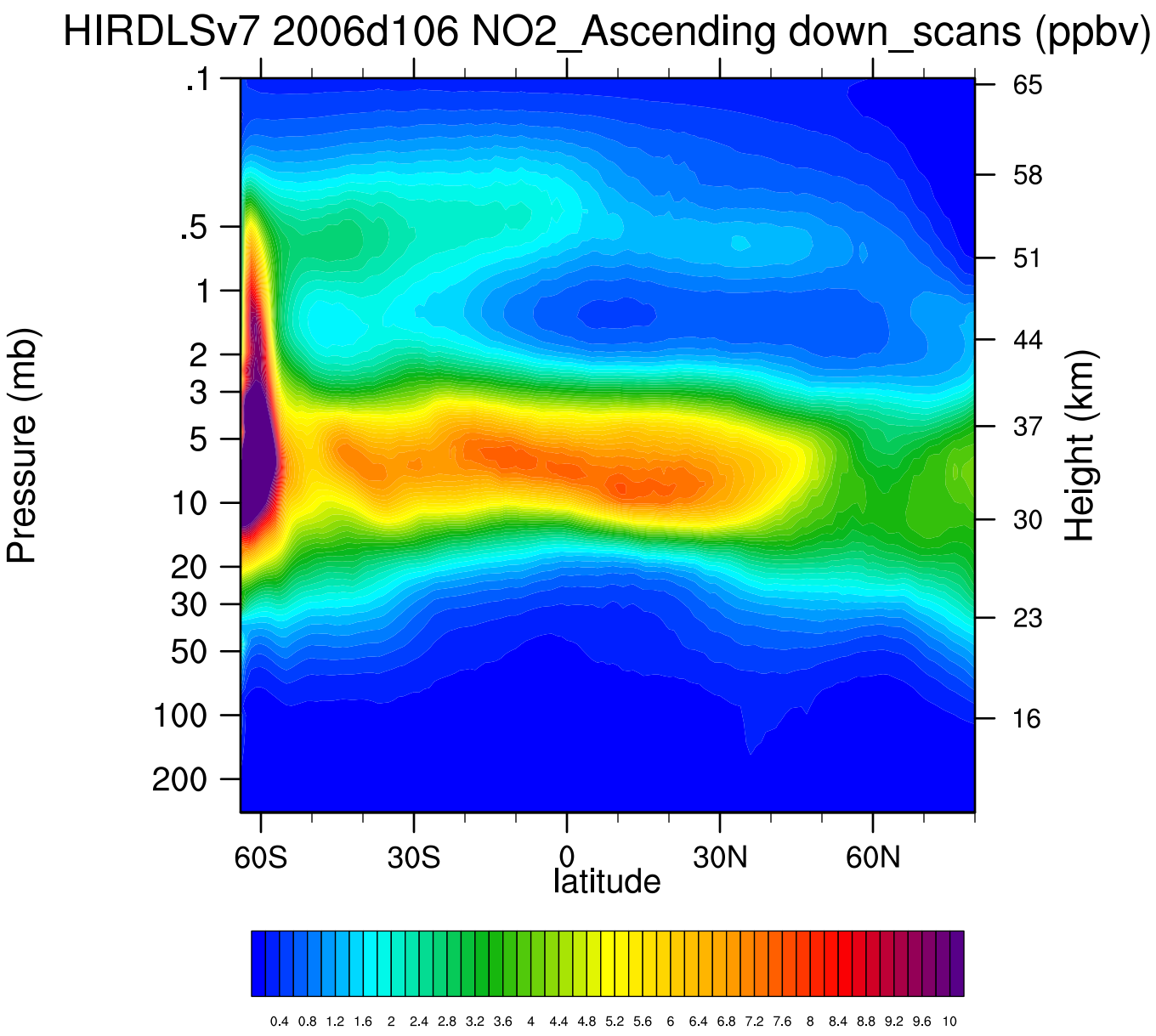
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
.1
.5
1
2
3
5
10
20
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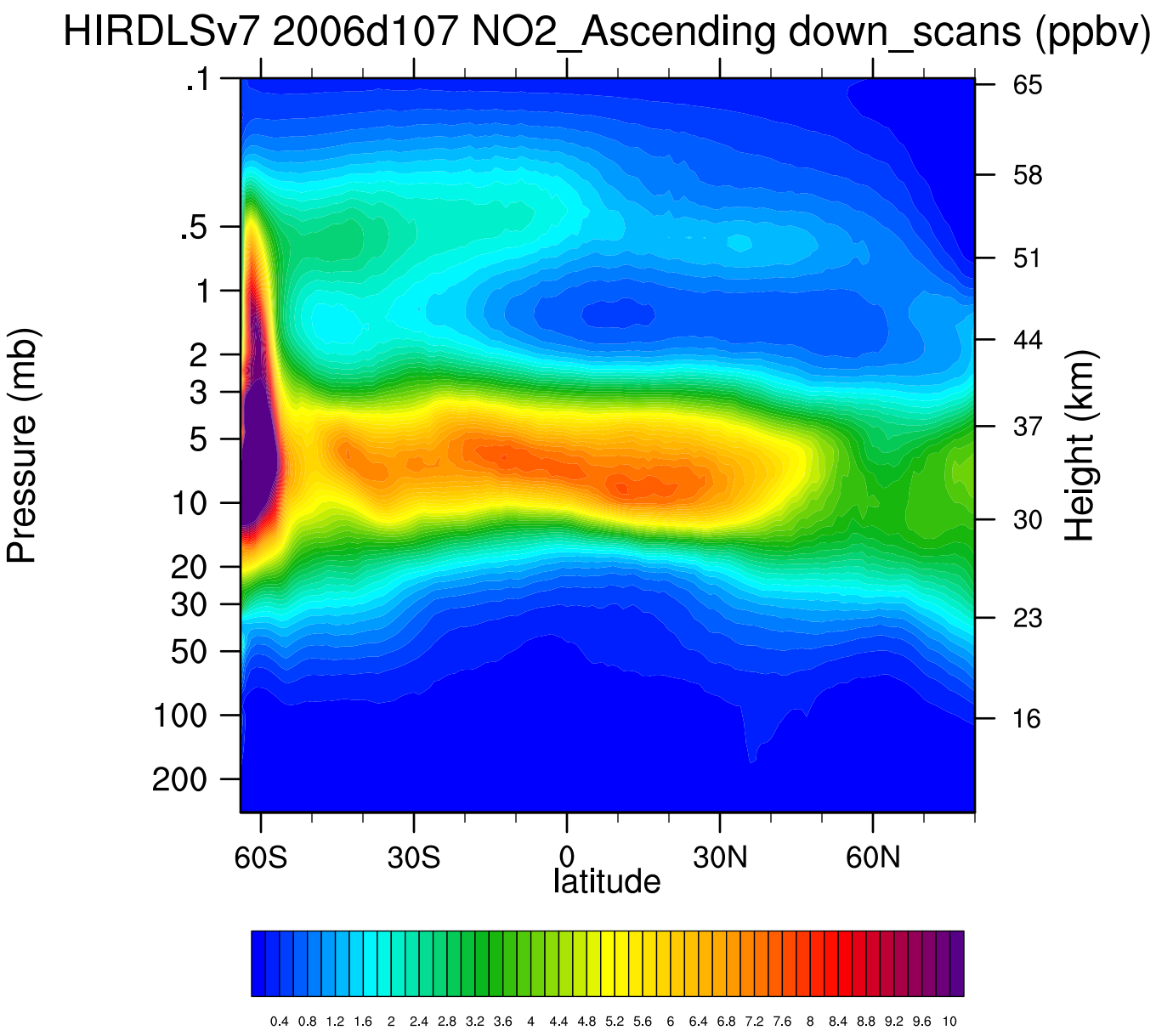
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2006d107 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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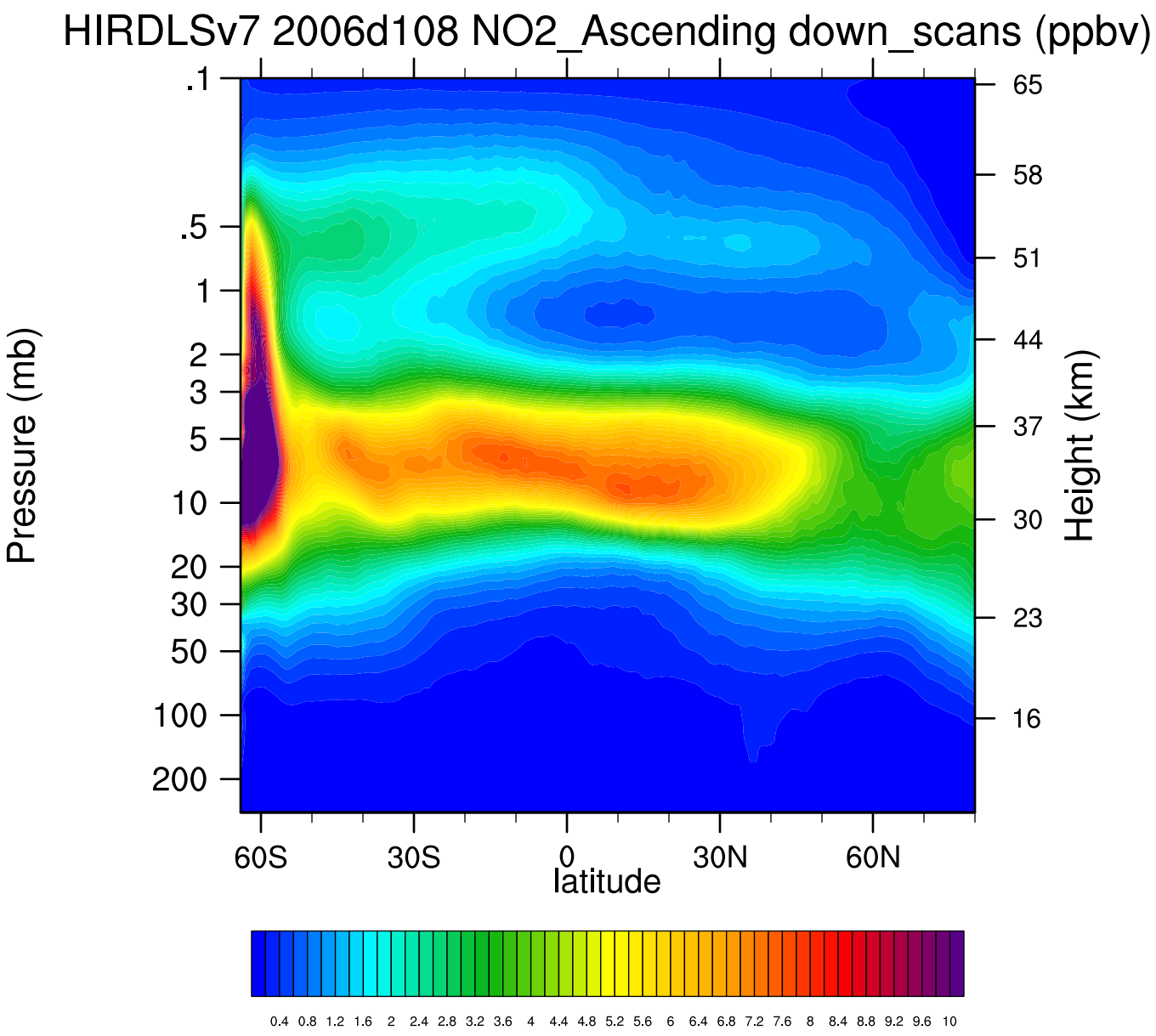
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2006d108 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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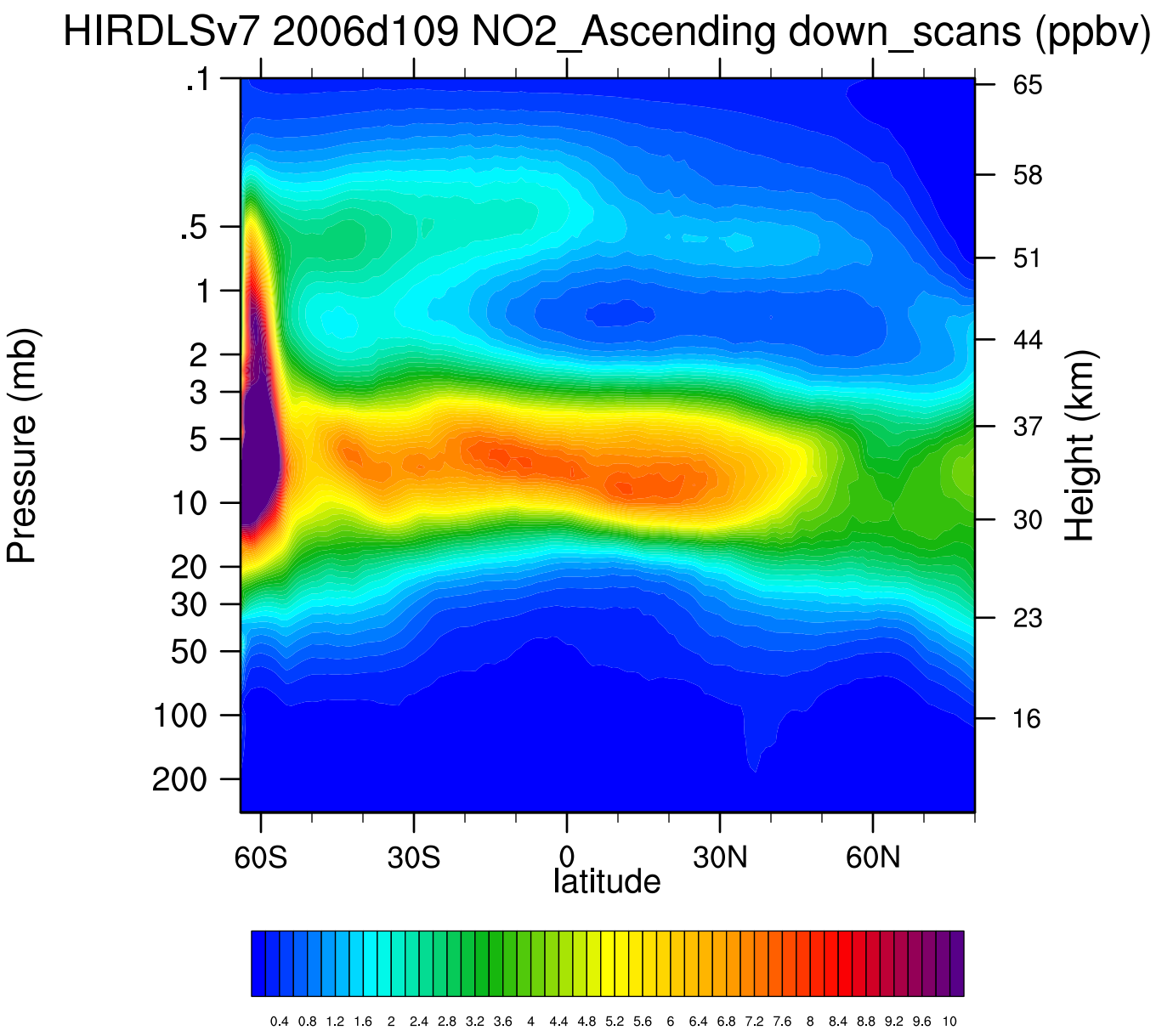
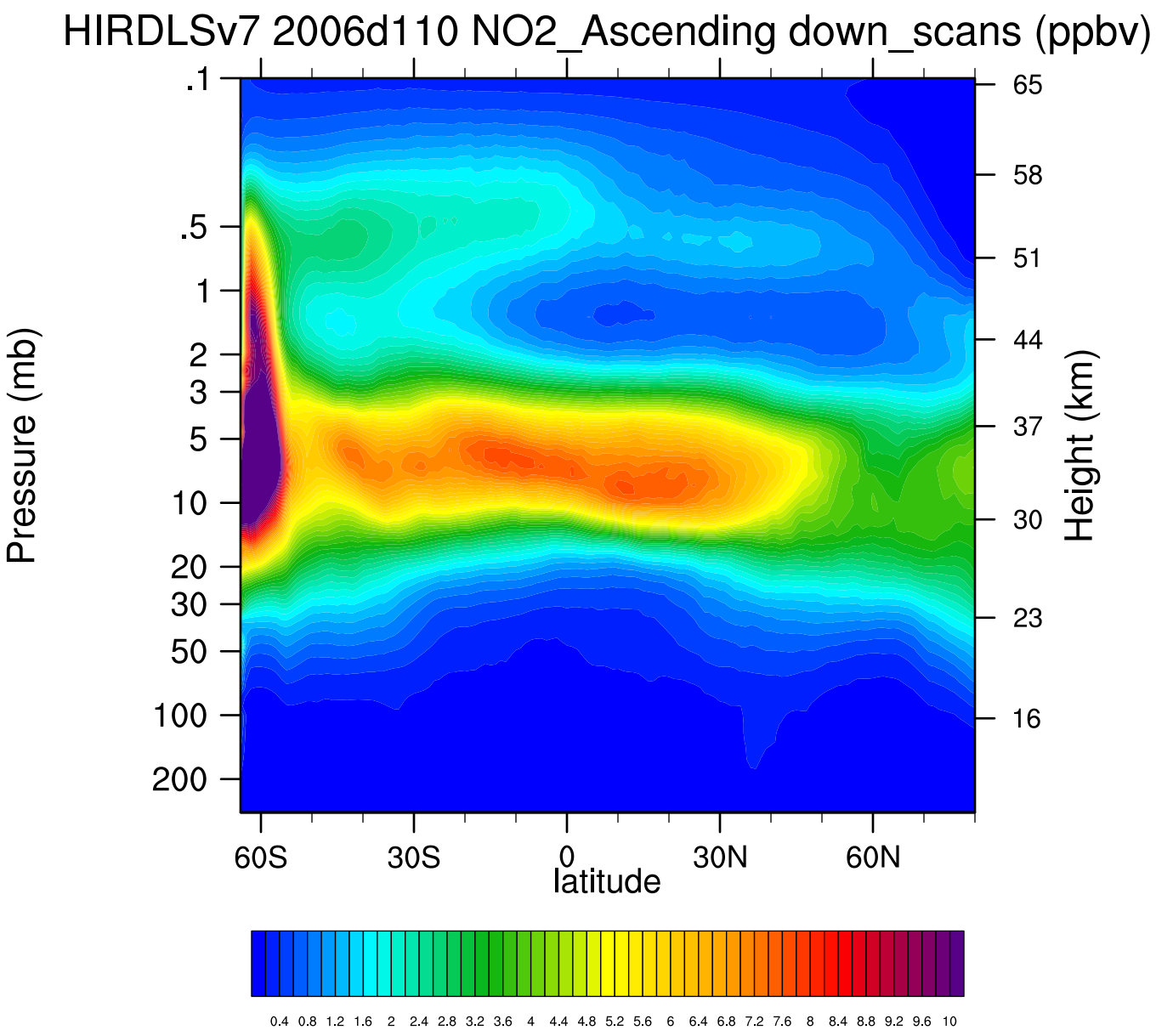
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2006d109 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2006d110 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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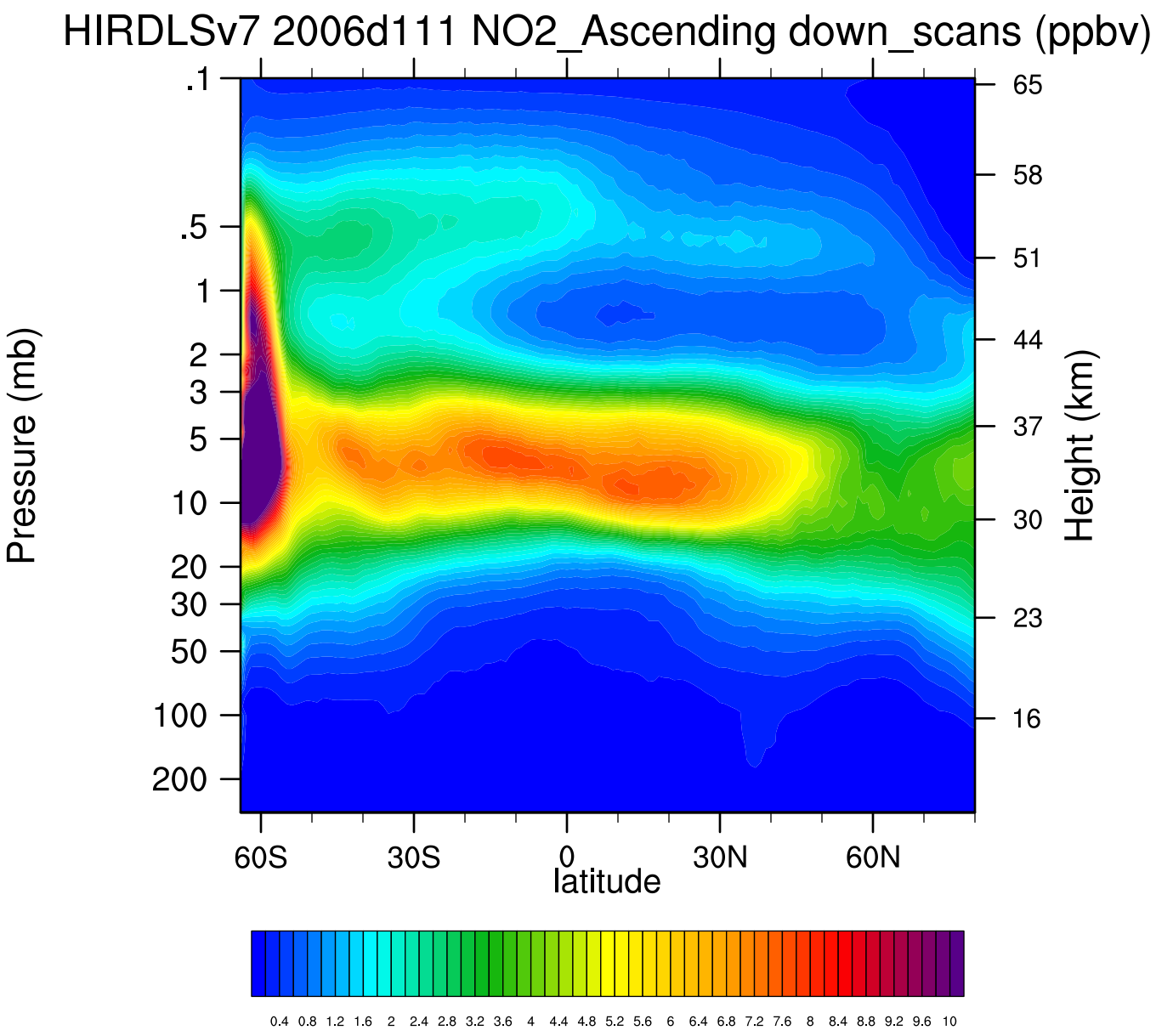
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2006d111 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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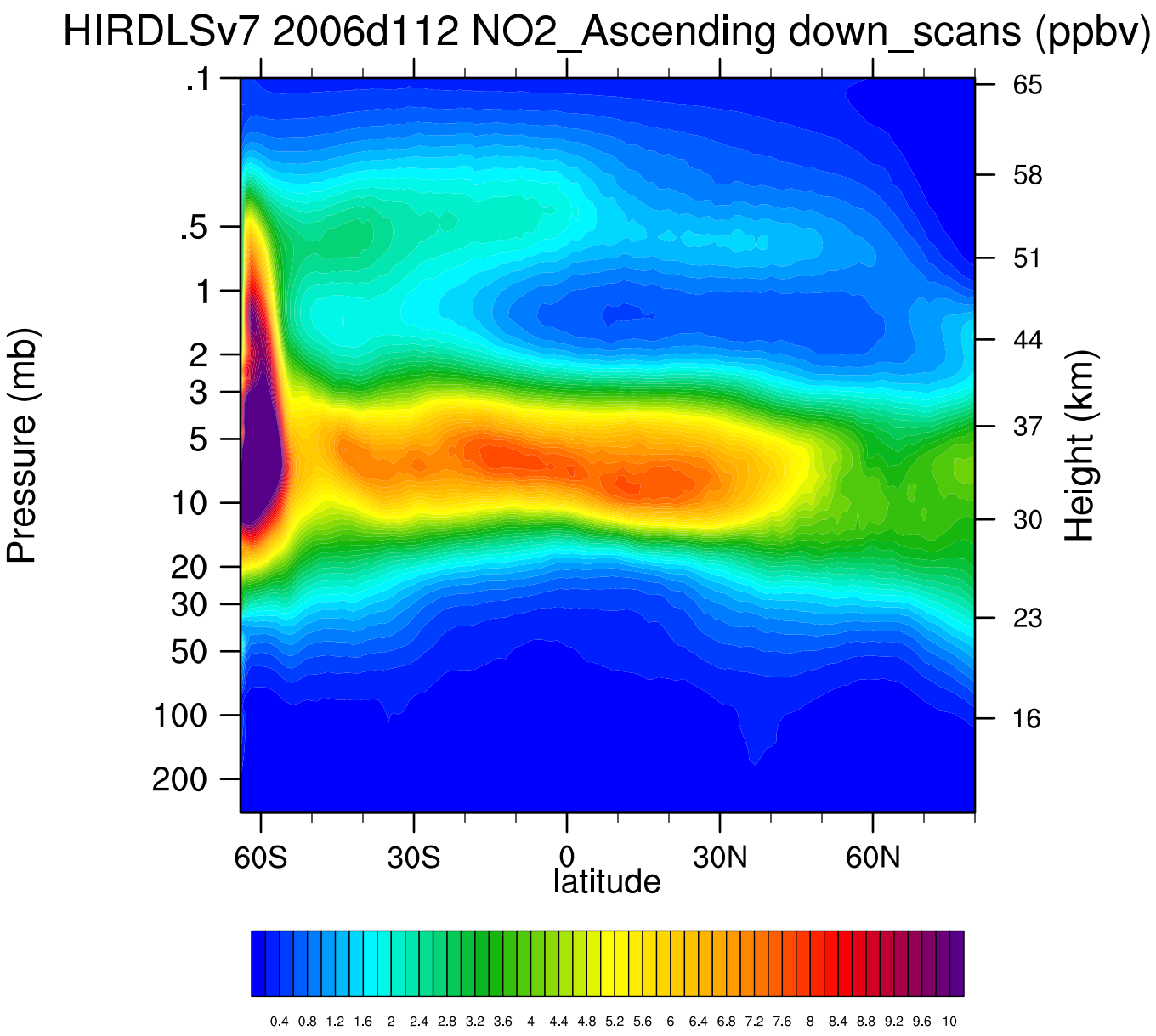
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2006d112 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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.5
1
2
3
5
10
20
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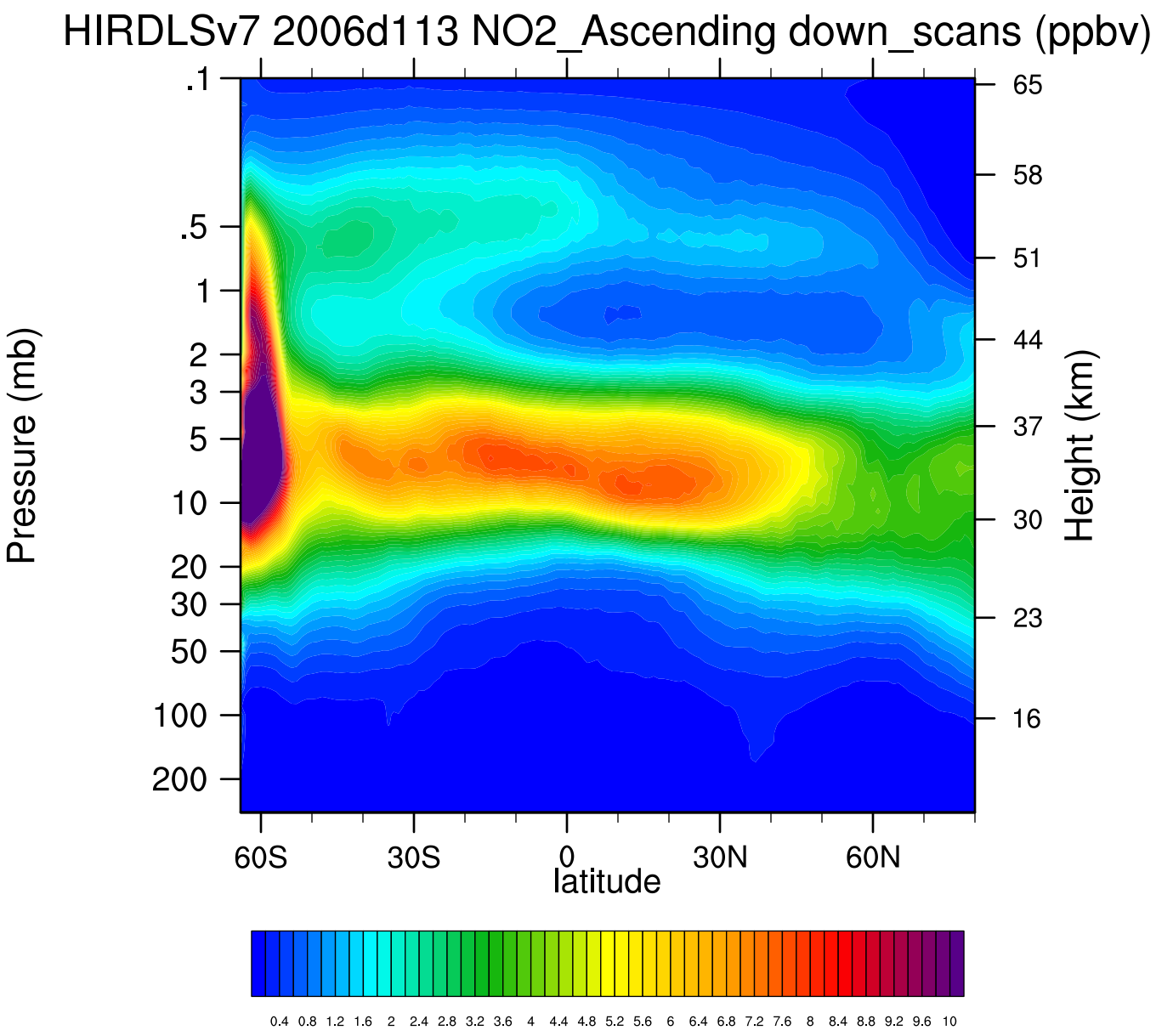
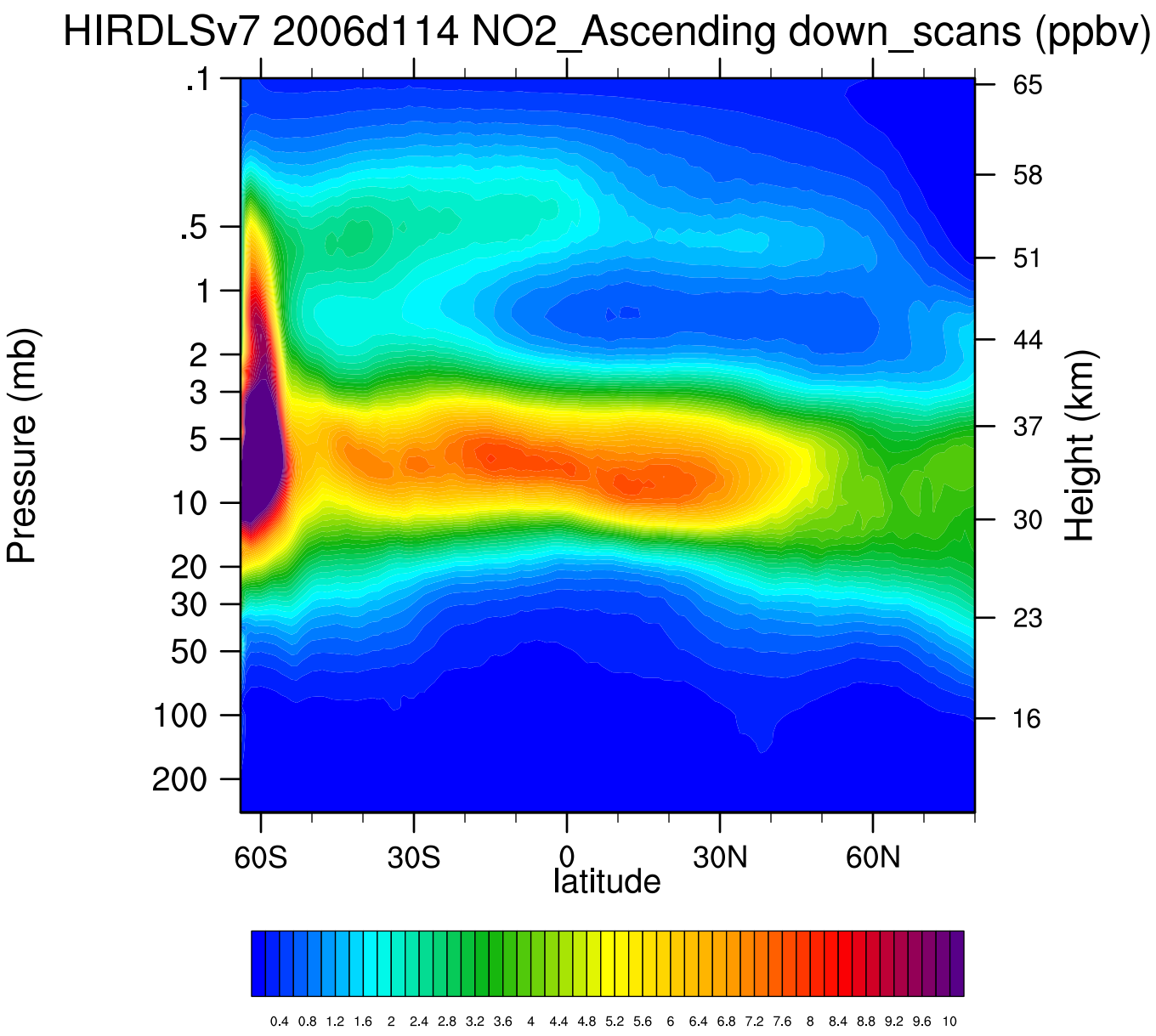
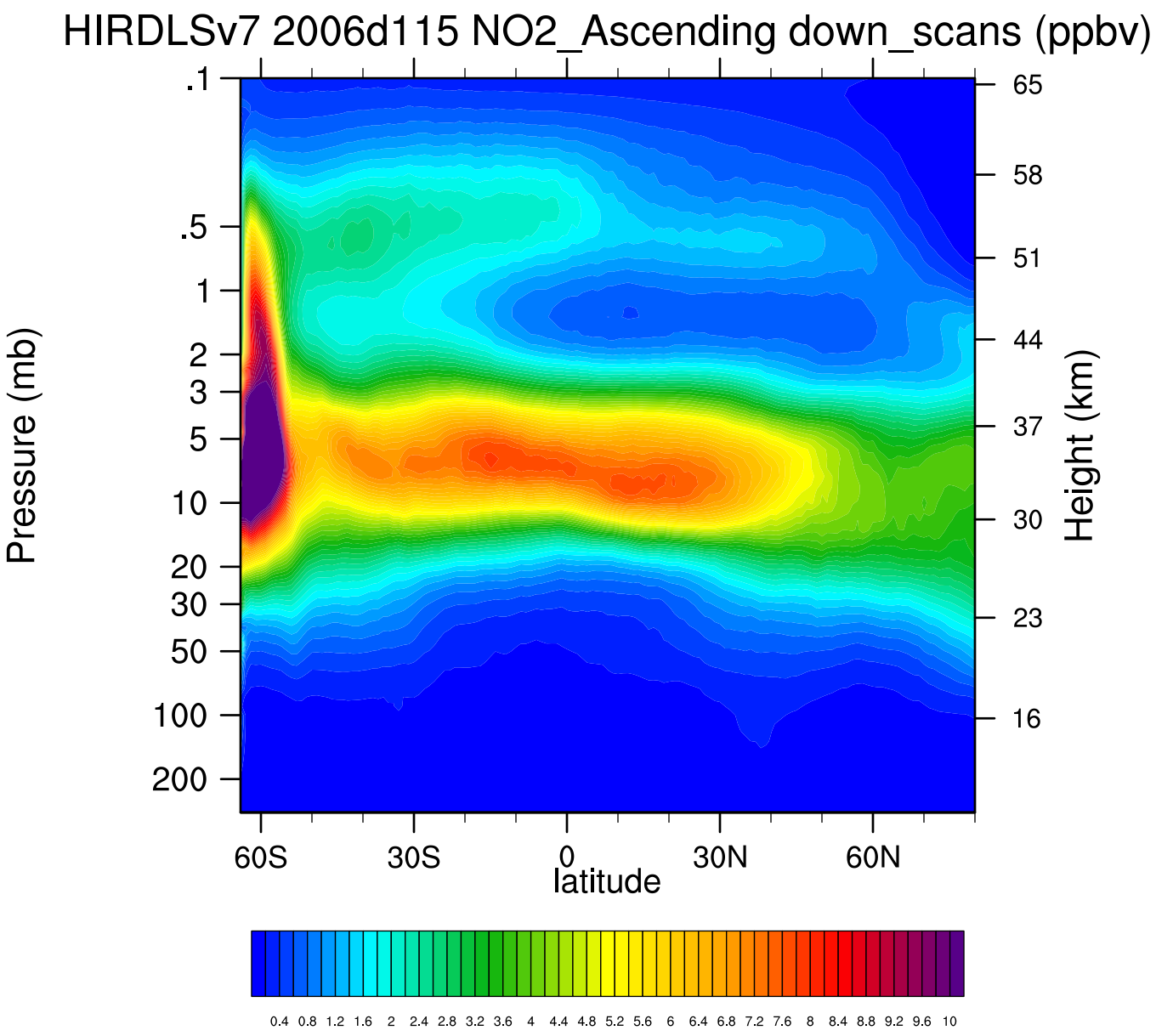
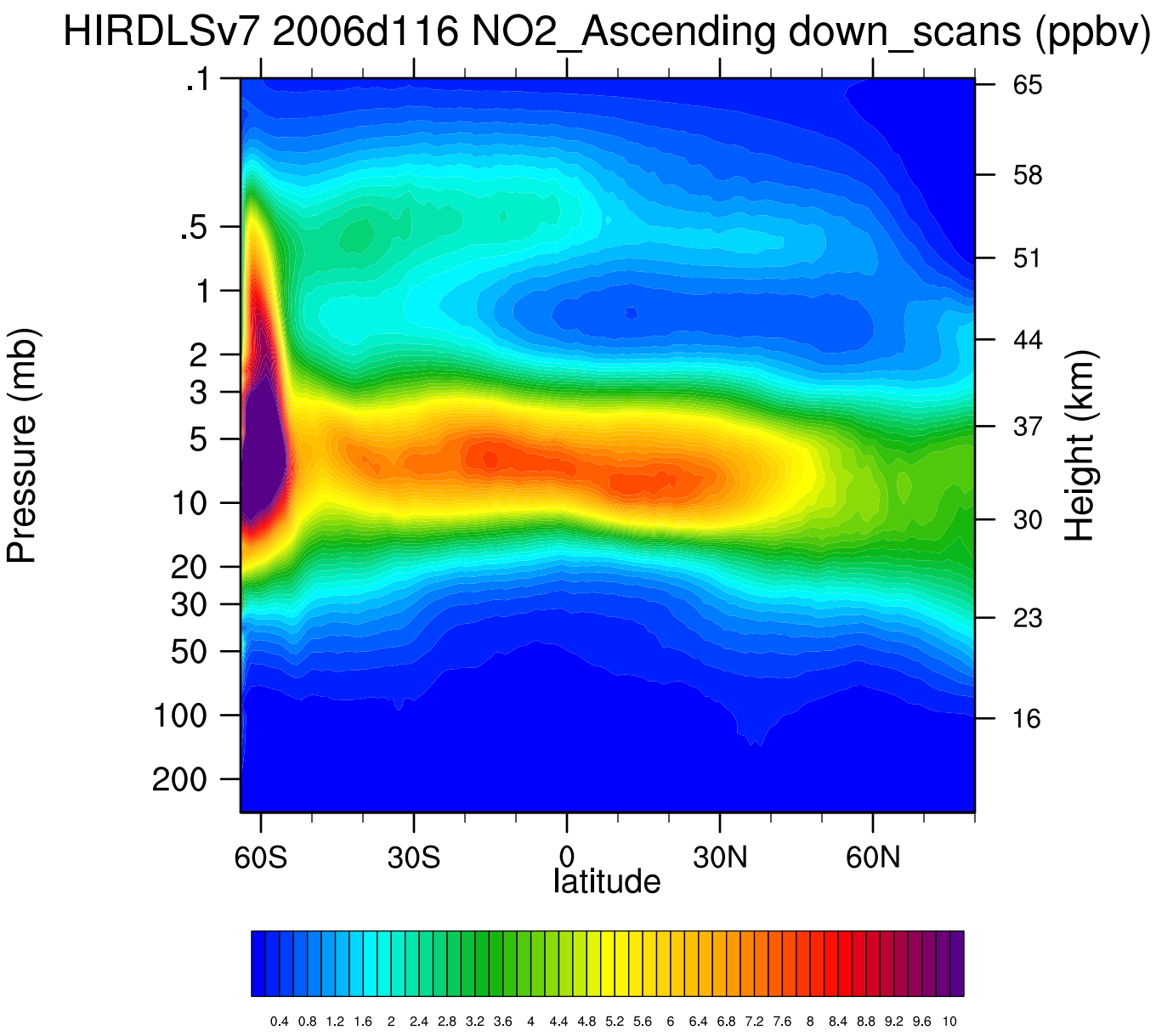
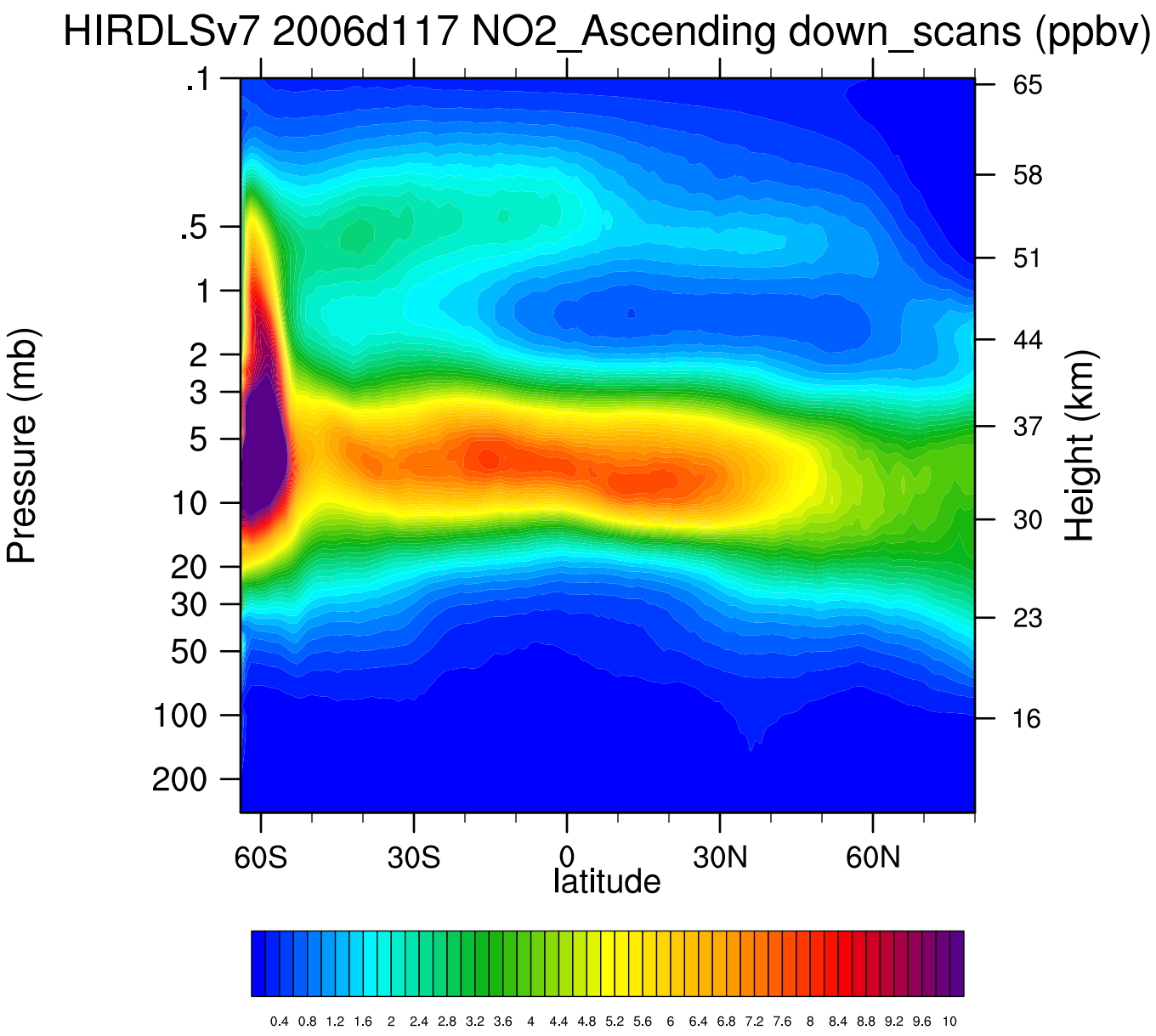
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

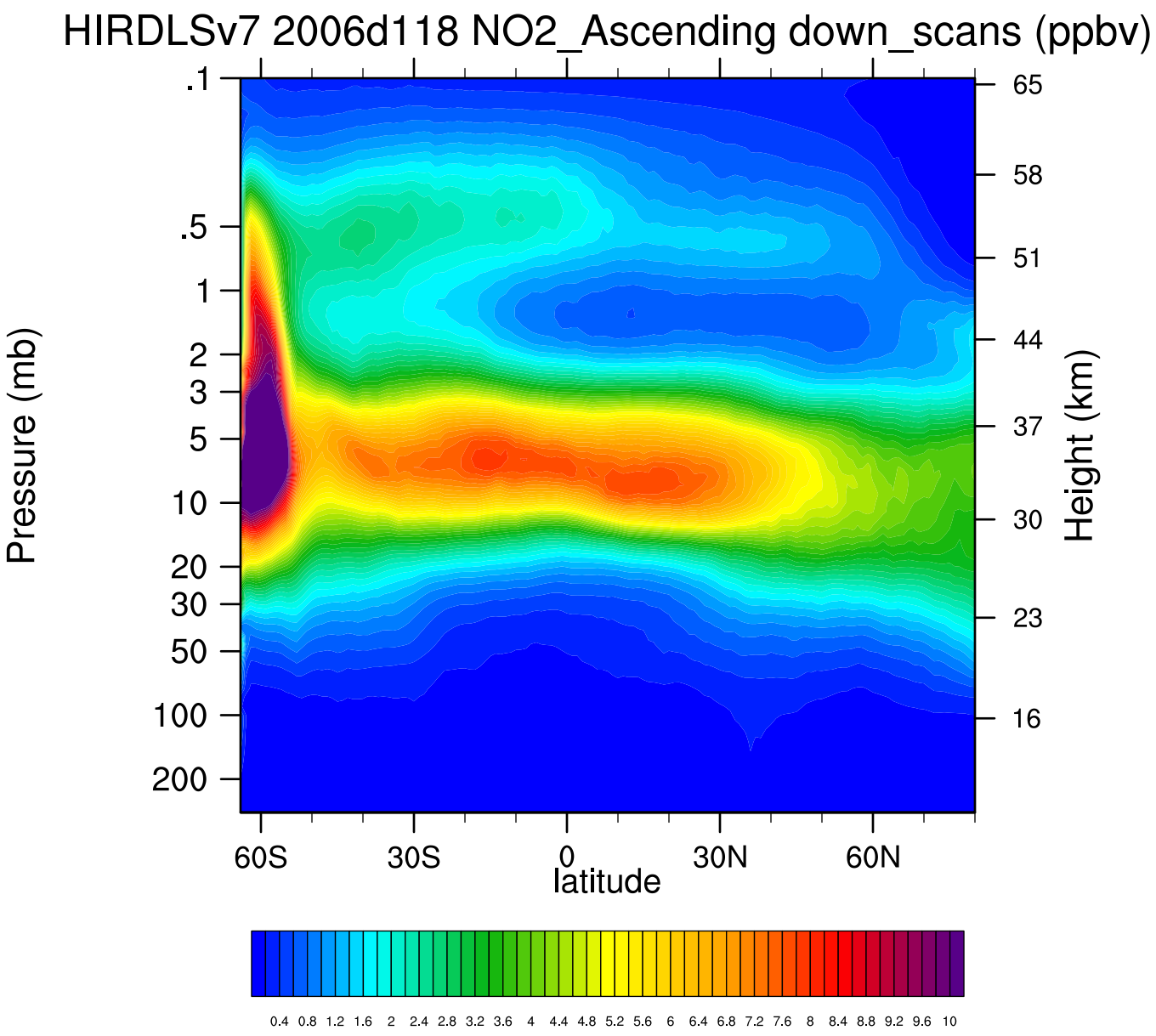

HIRDLSv7 2006d113 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

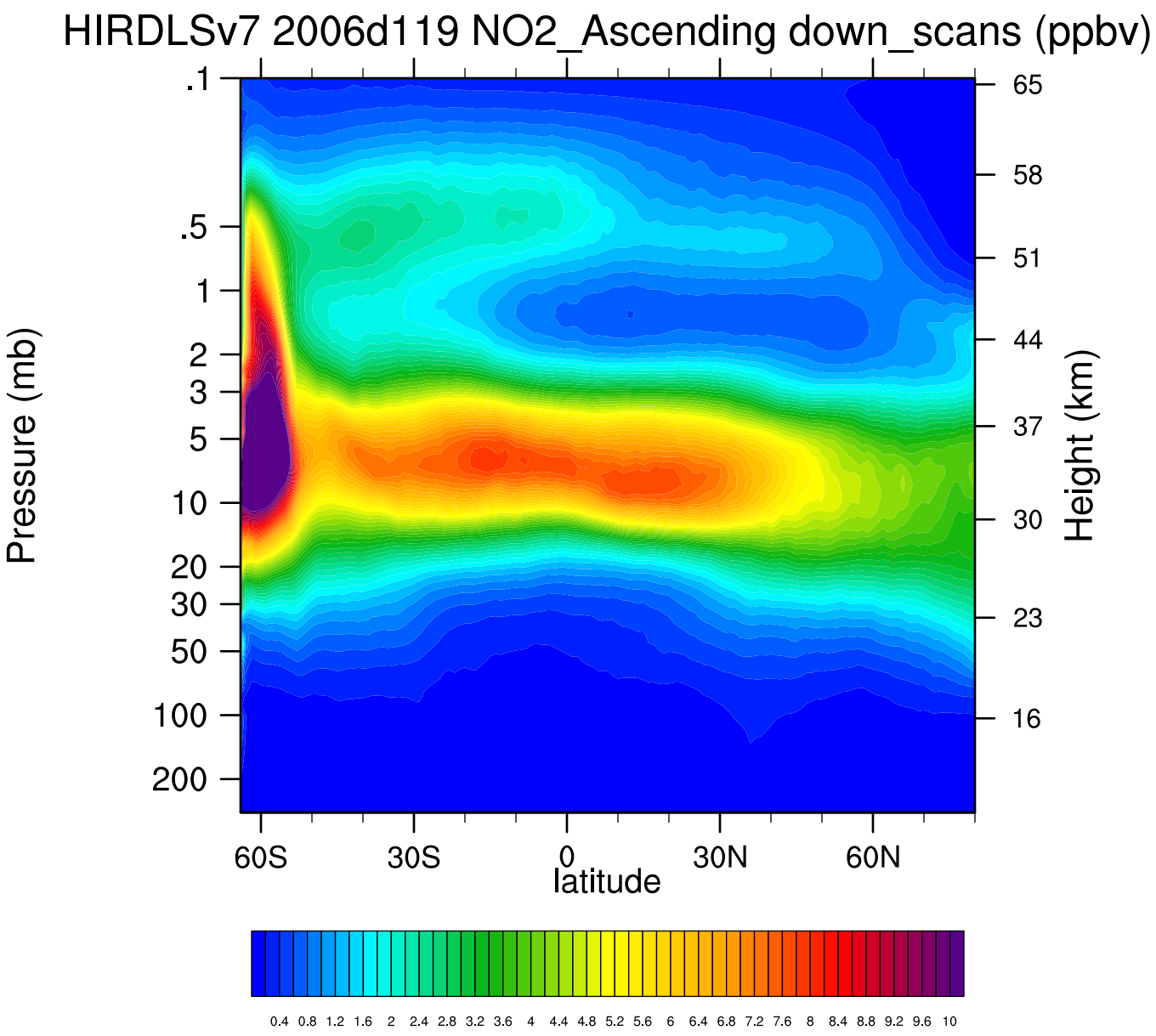

HIRDLSv7 2006d114 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

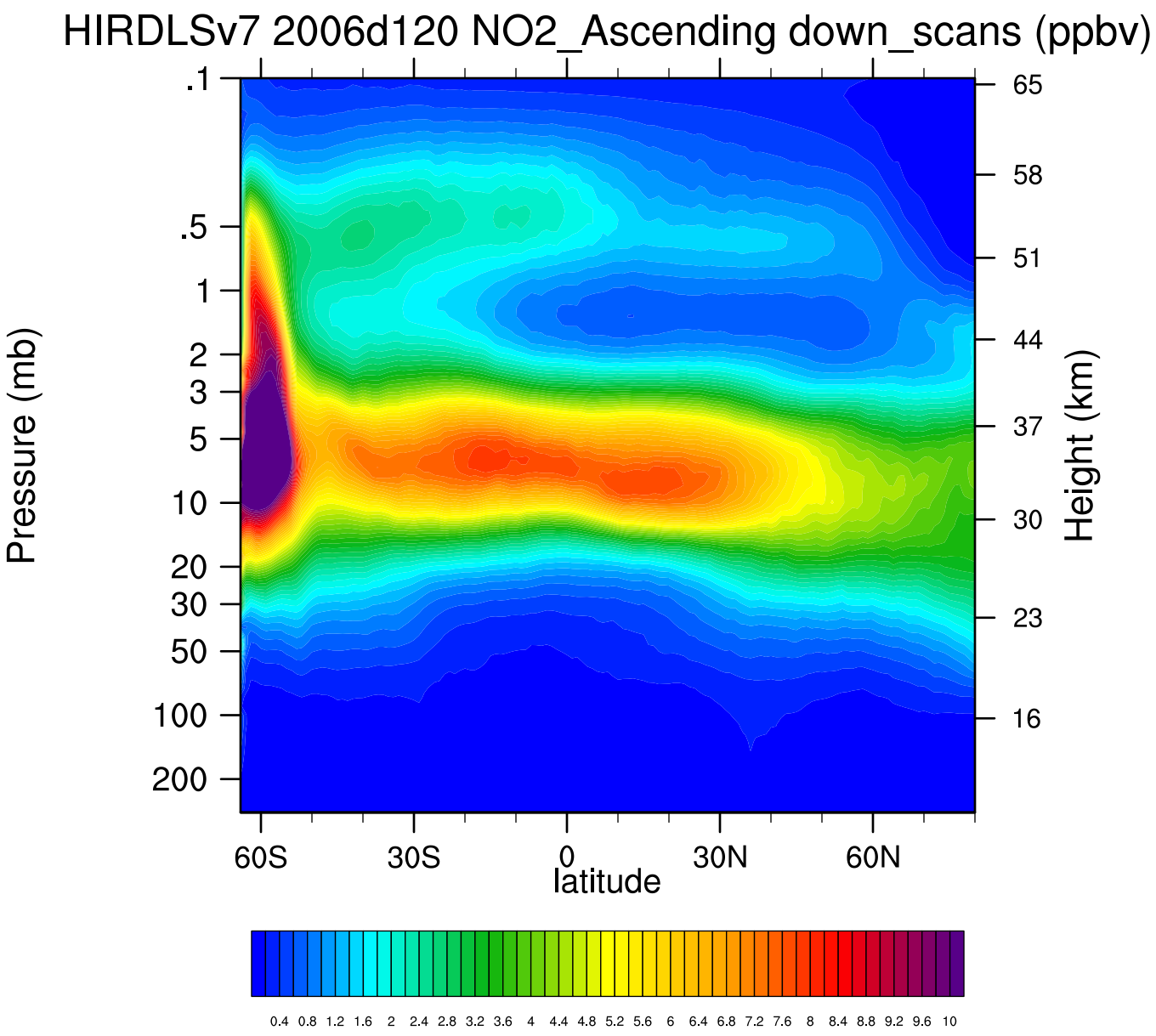

HIRDLSv7 2006d115 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

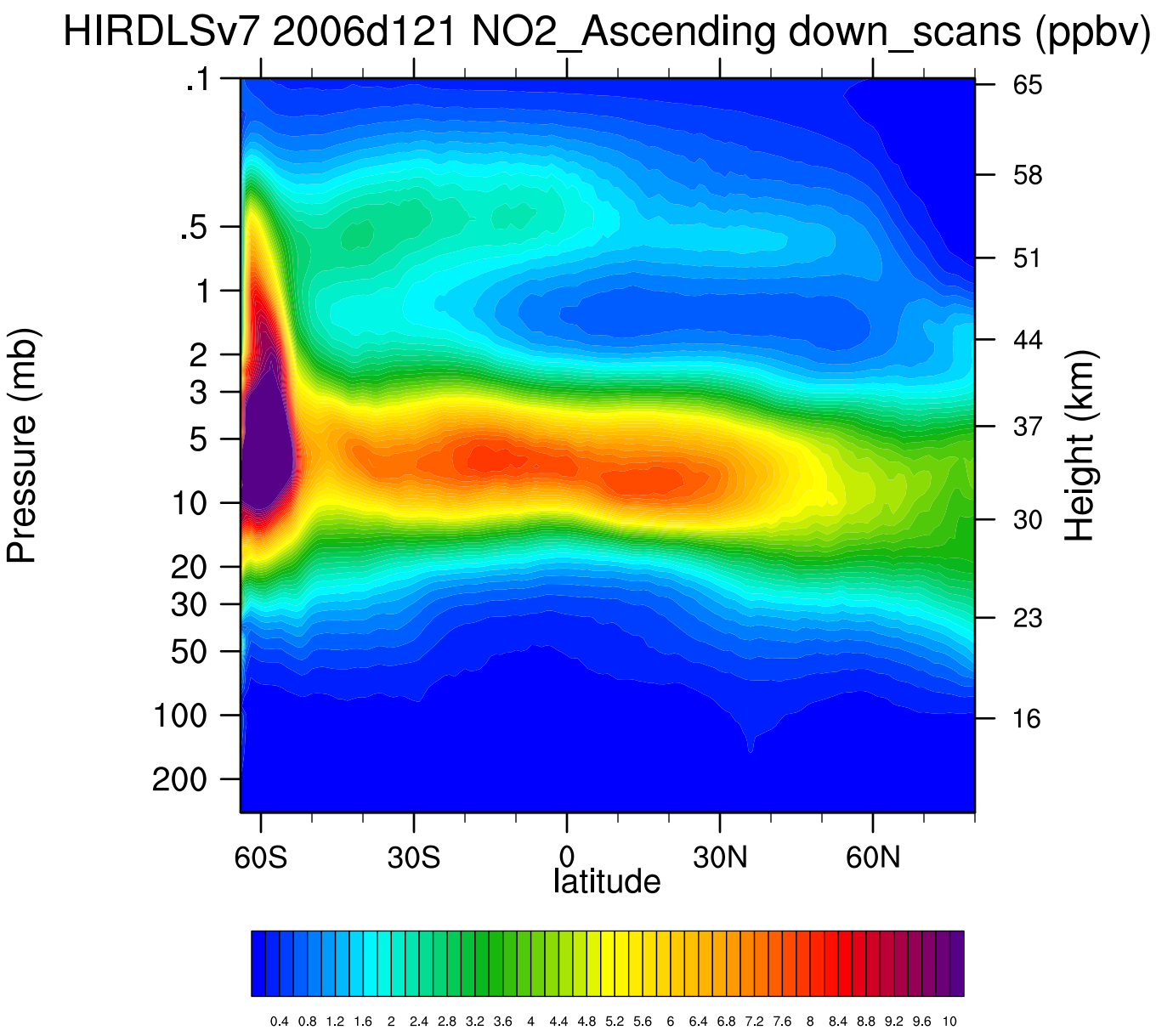

HIRDLSv7 2006d116 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

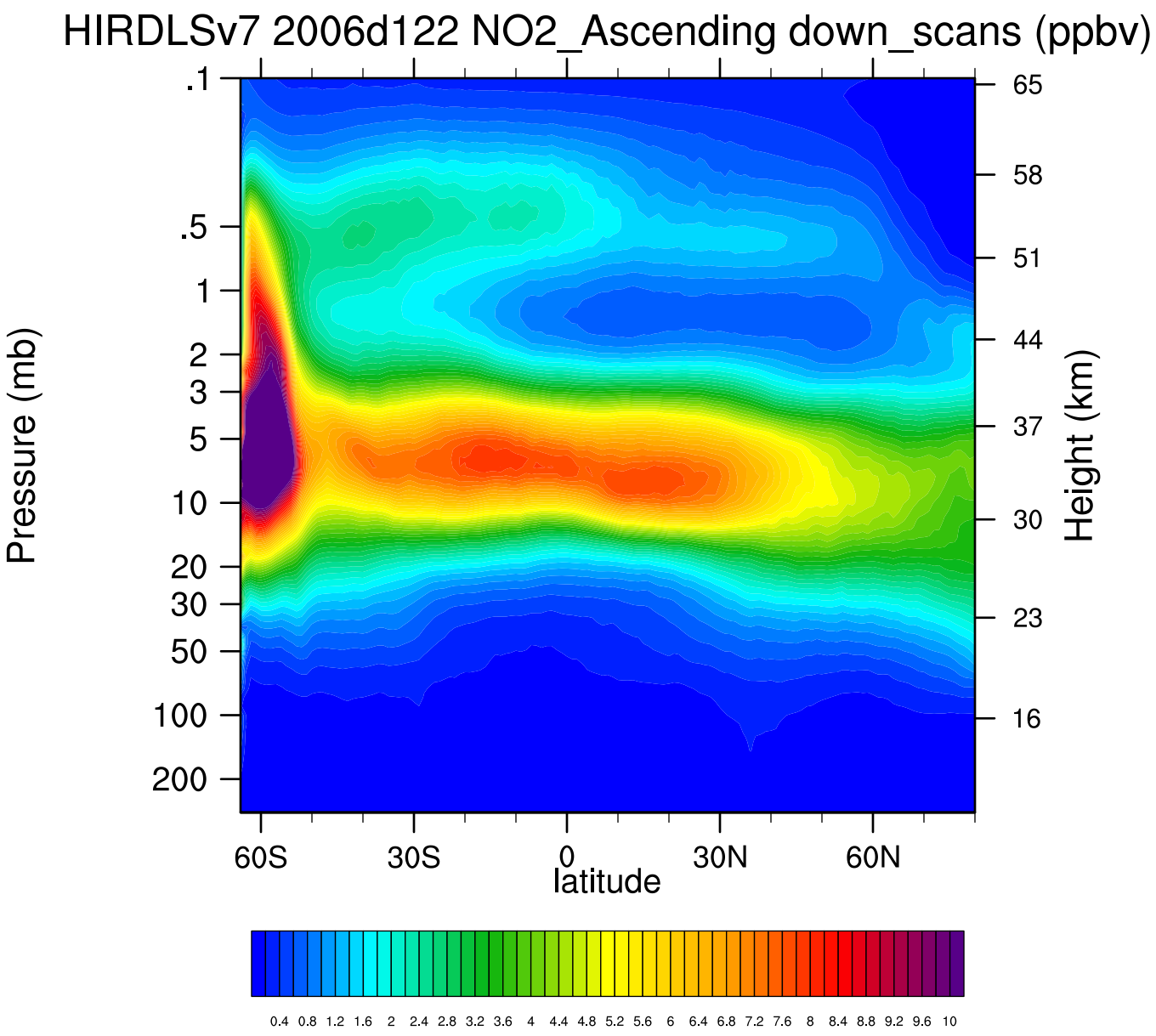

HIRDLSv7 2006d117 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

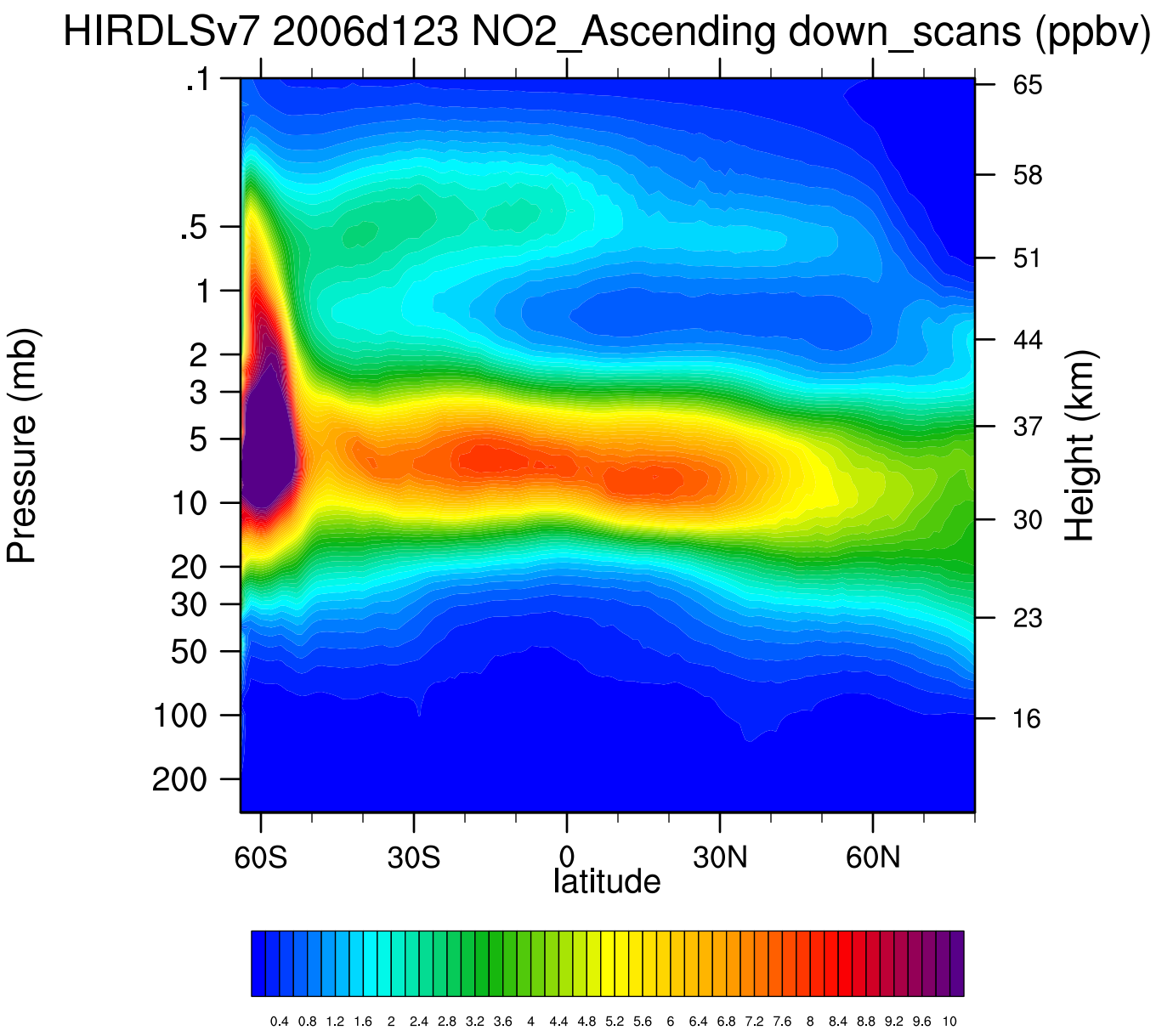

HIRDLSv7 2006d118 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

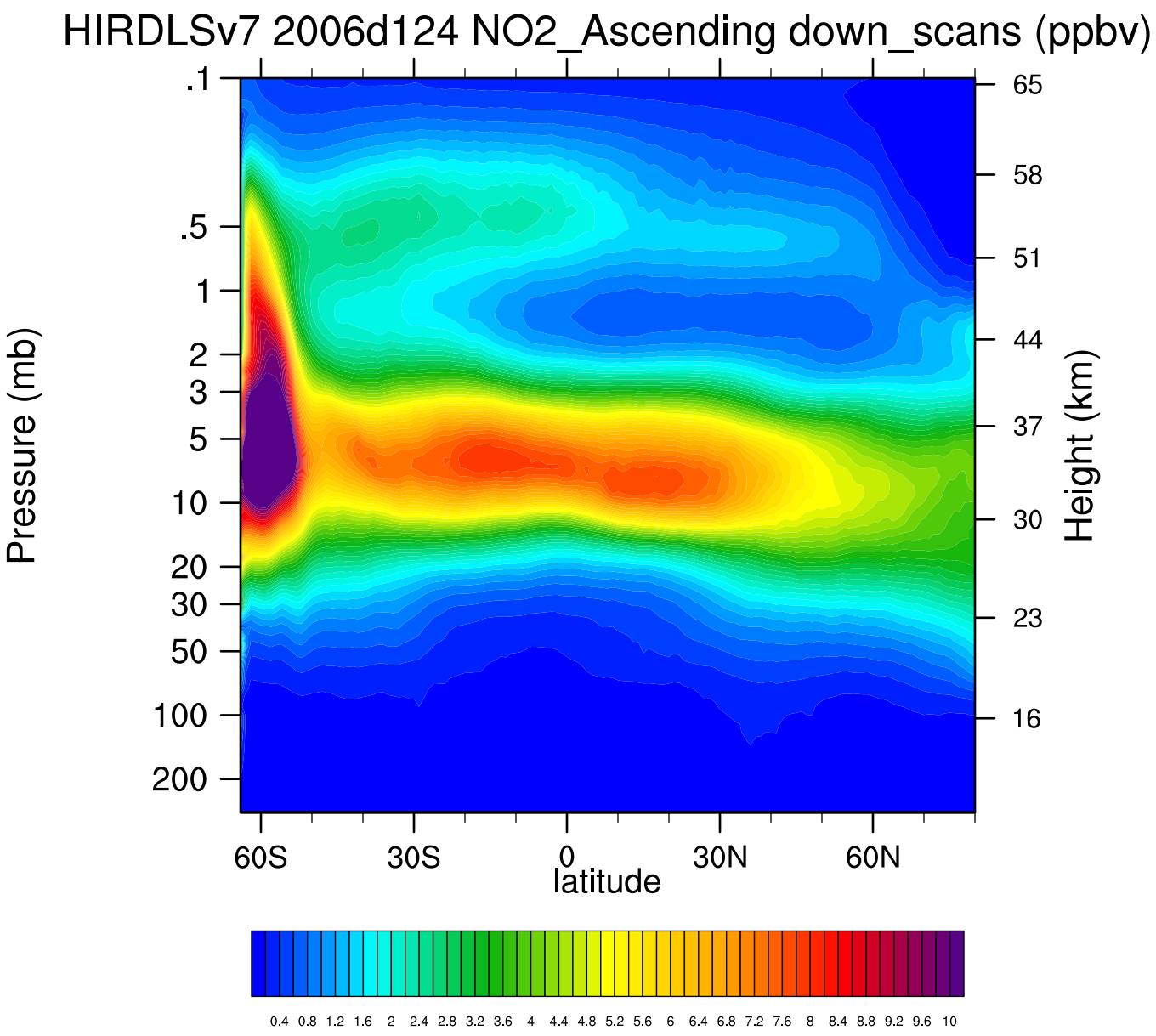

HIRDLSv7 2006d119 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

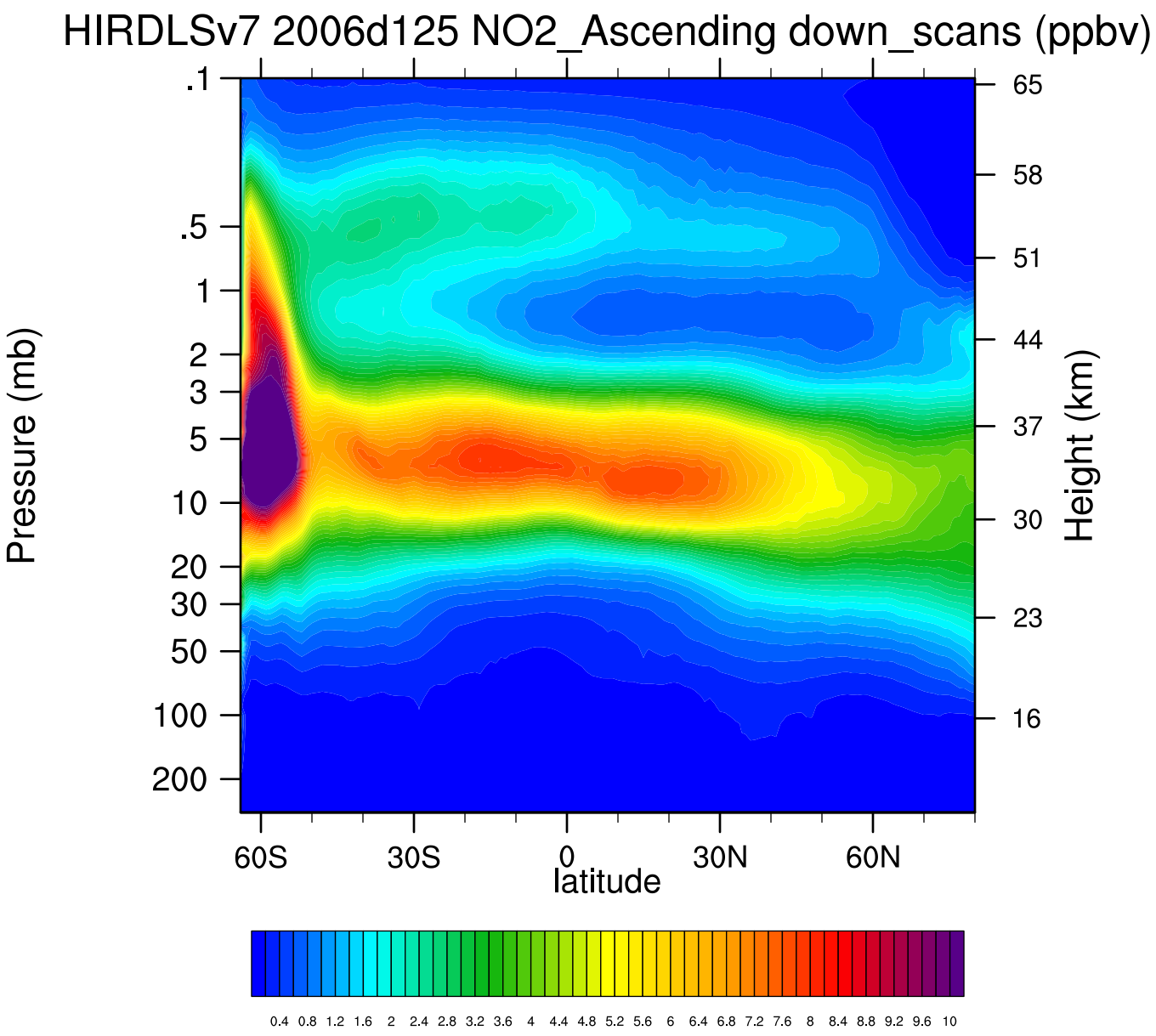

HIRDLSv7 2006d120 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

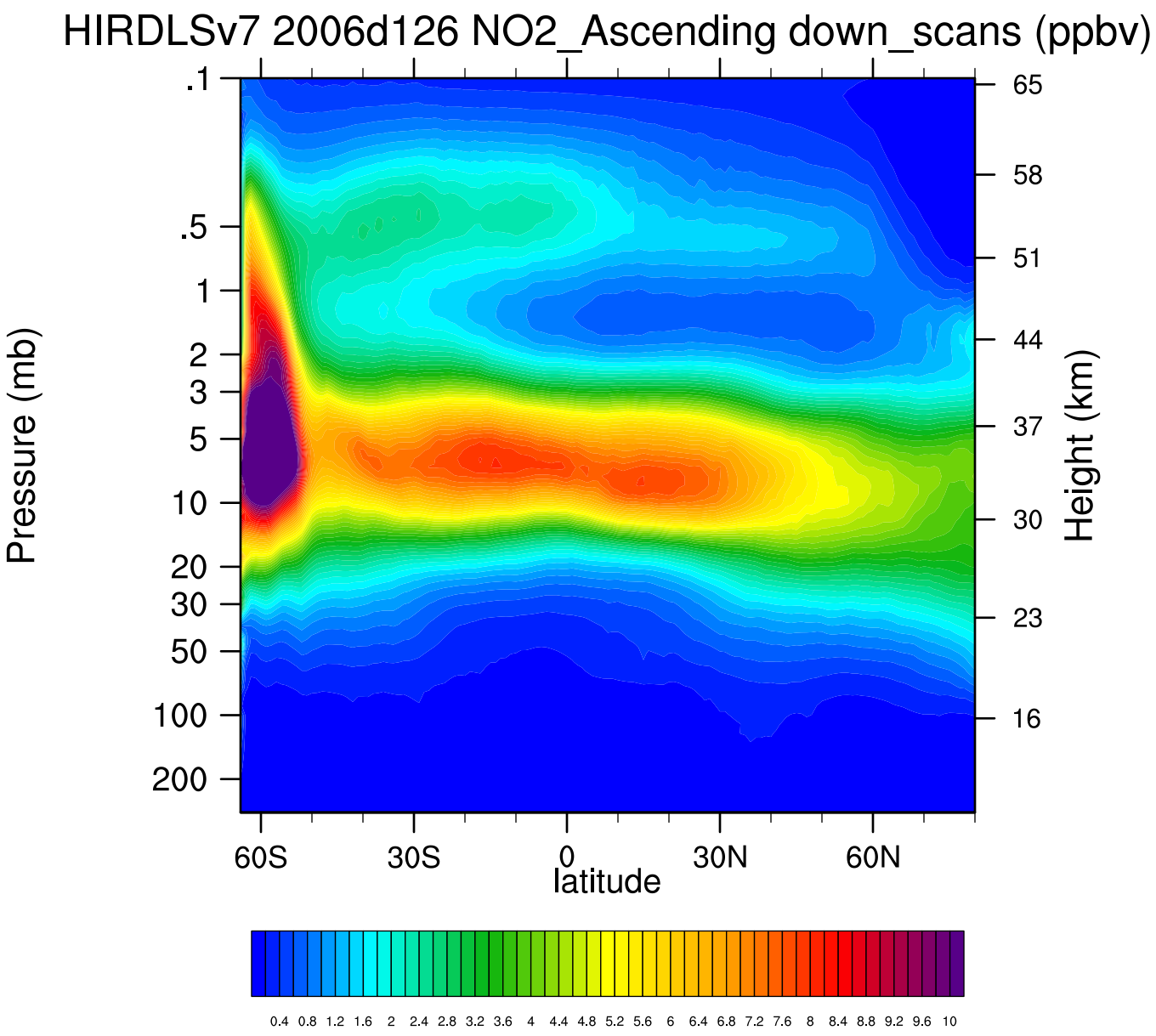

HIRDLSv7 2006d121 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

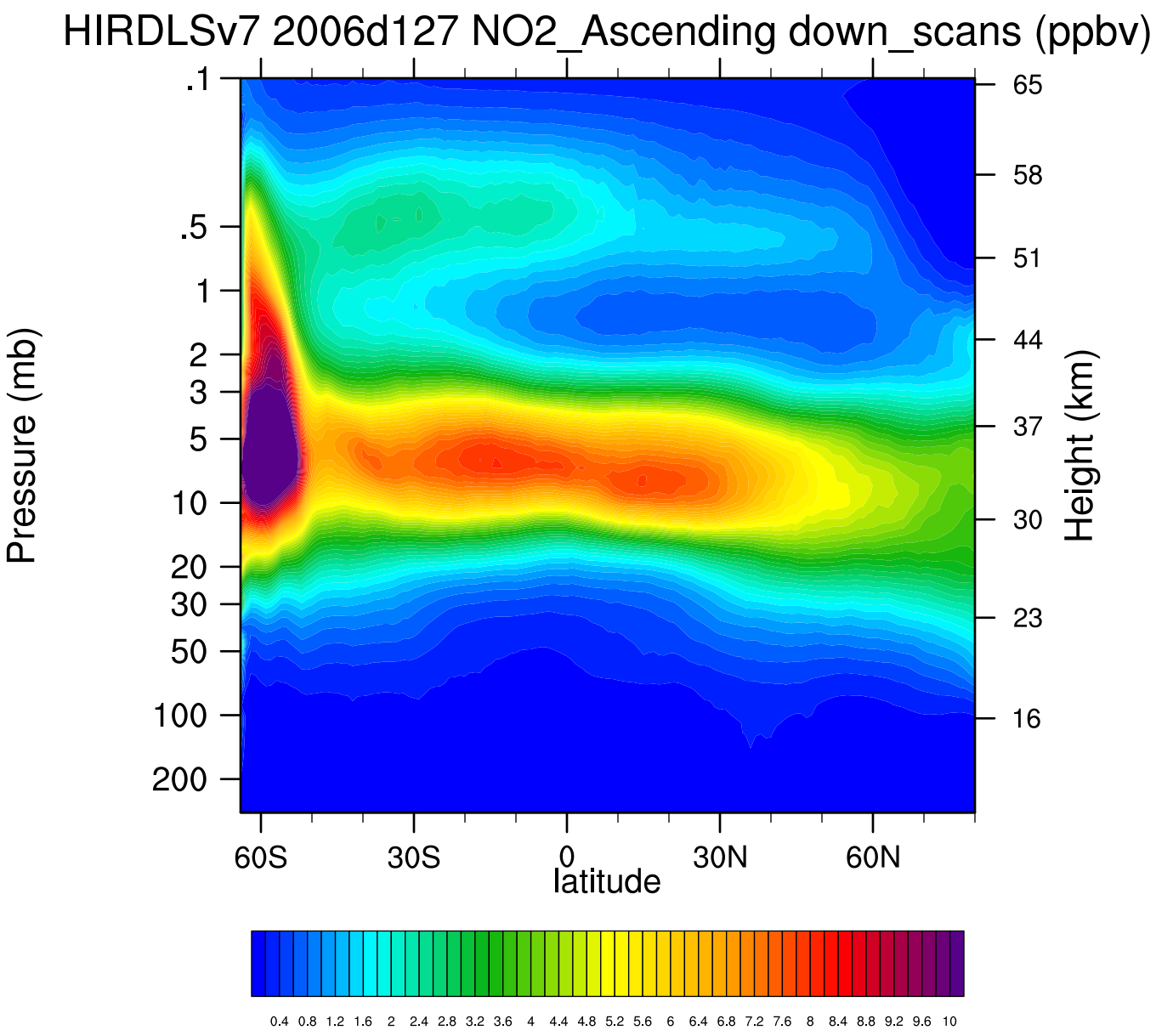

HIRDLSv7 2006d122 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

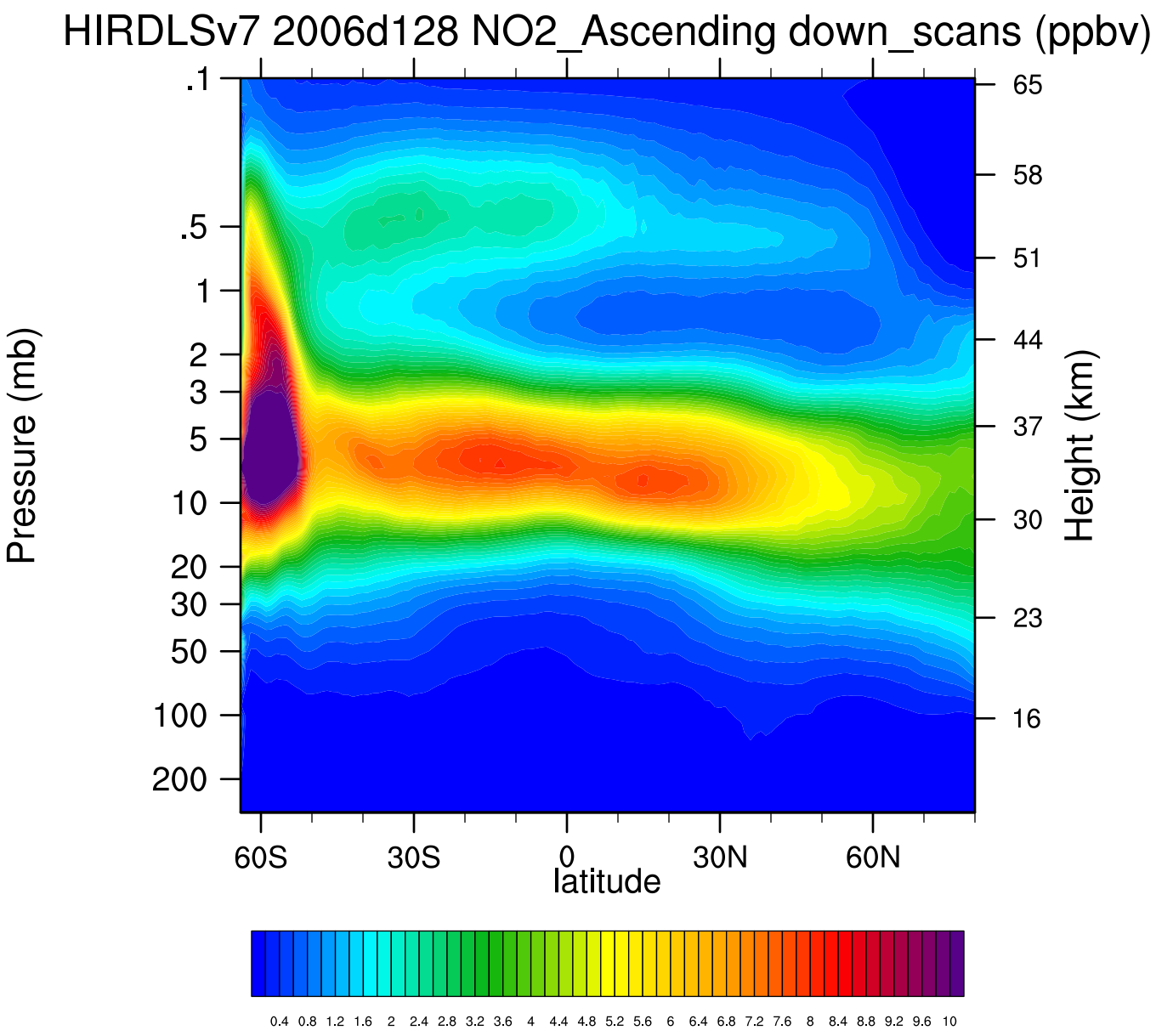

HIRDLSv7 2006d123 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

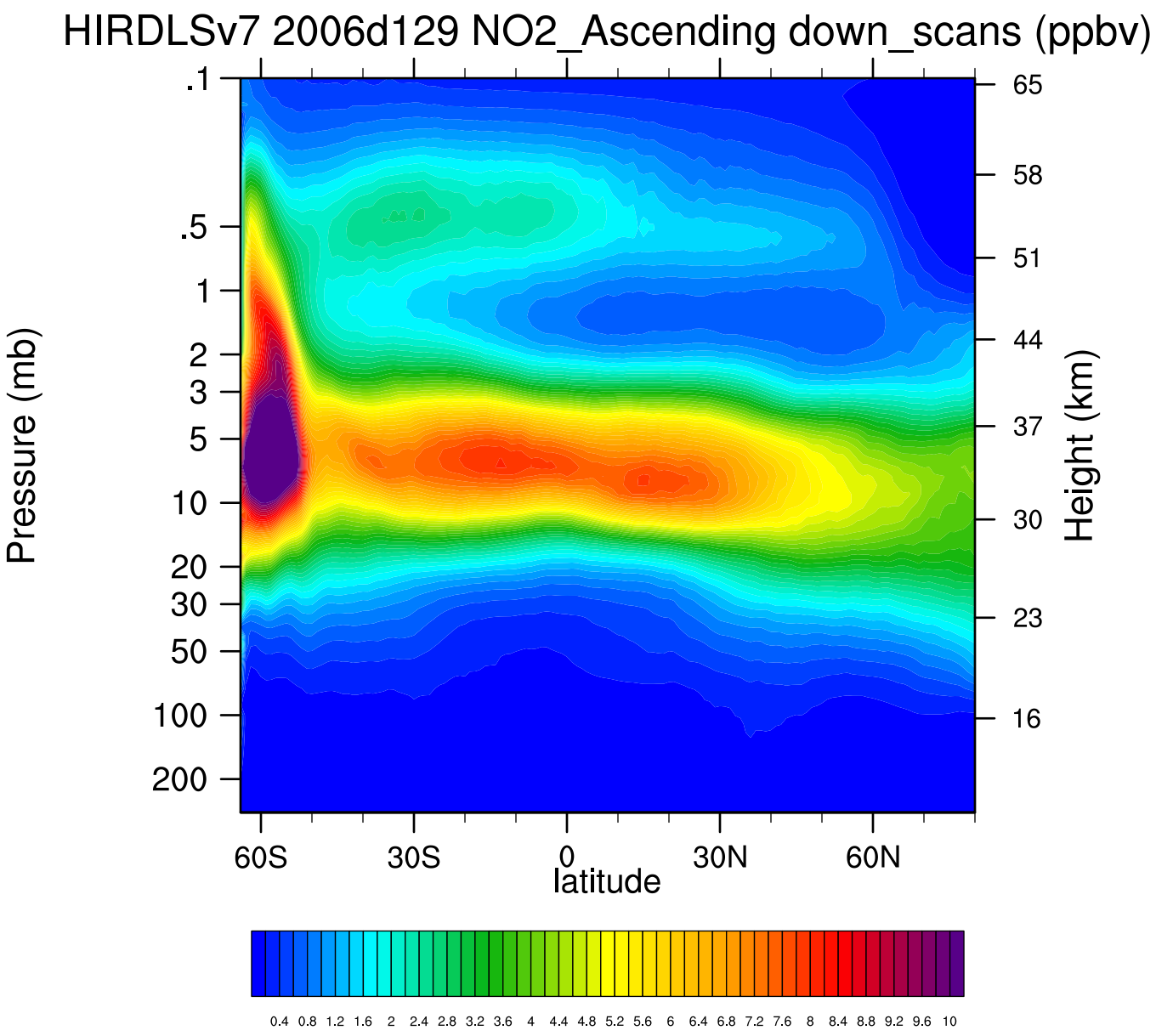

HIRDLSv7 2006d124 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

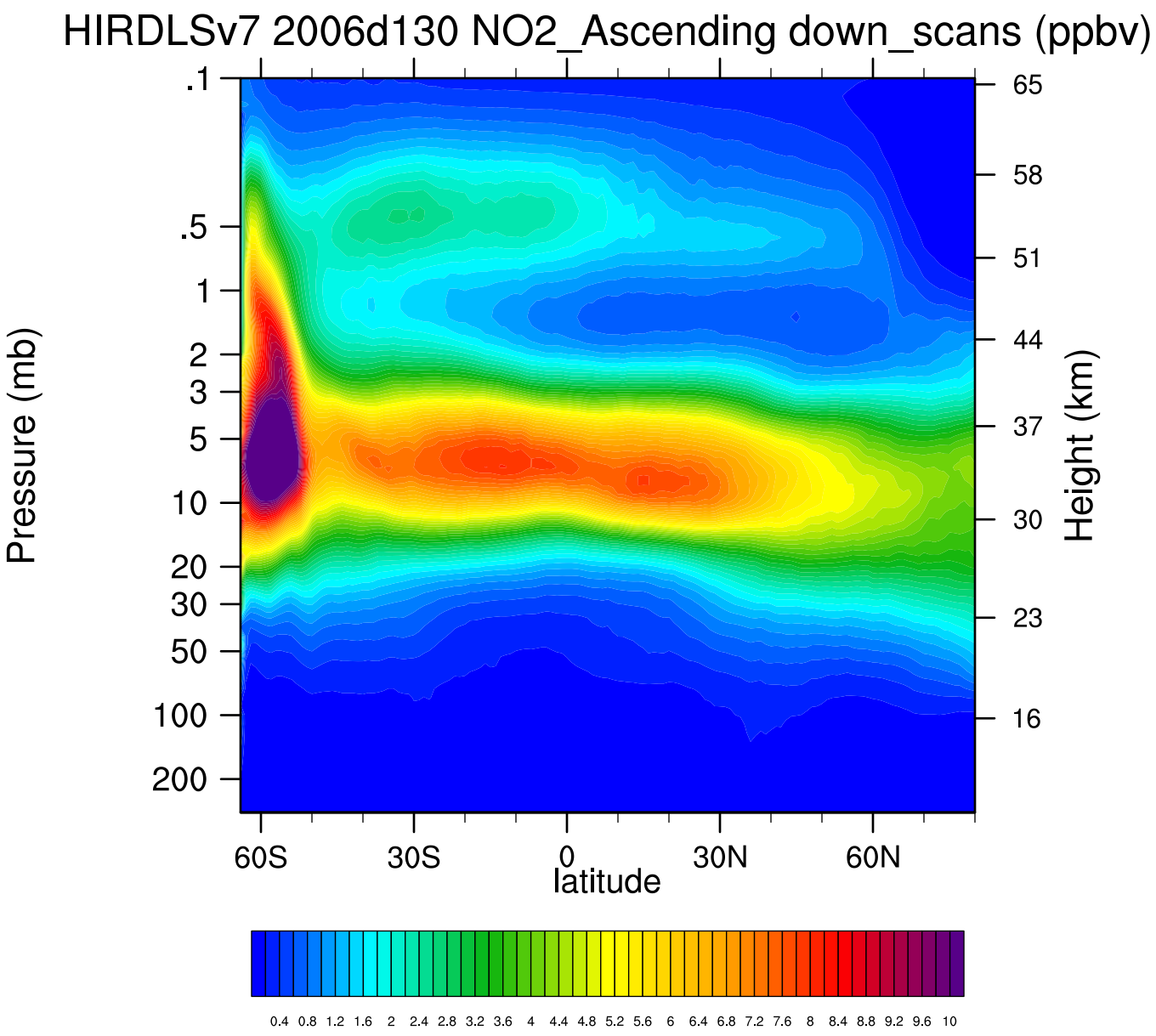

HIRDLSv7 2006d125 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

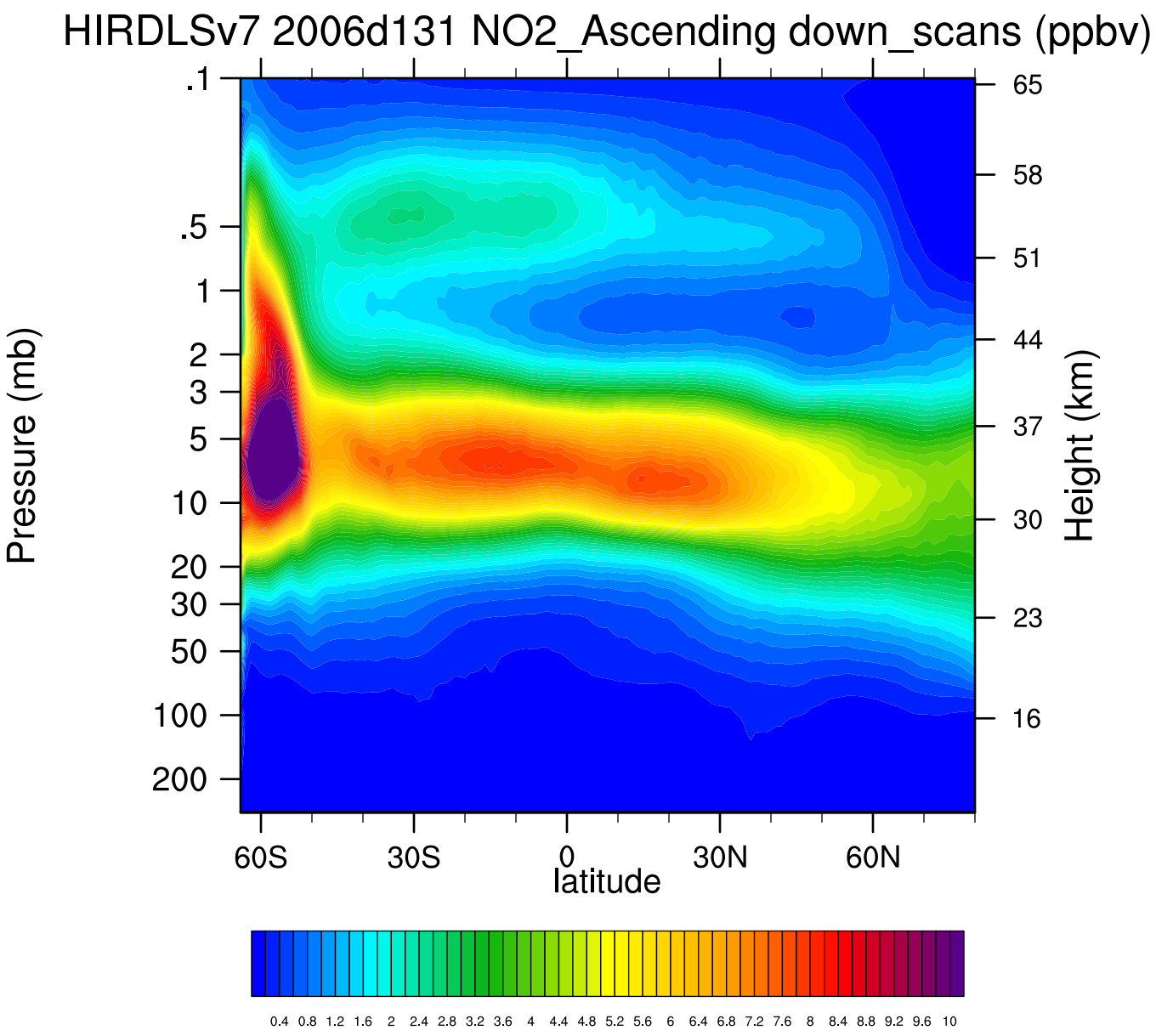

HIRDLSv7 2006d126 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

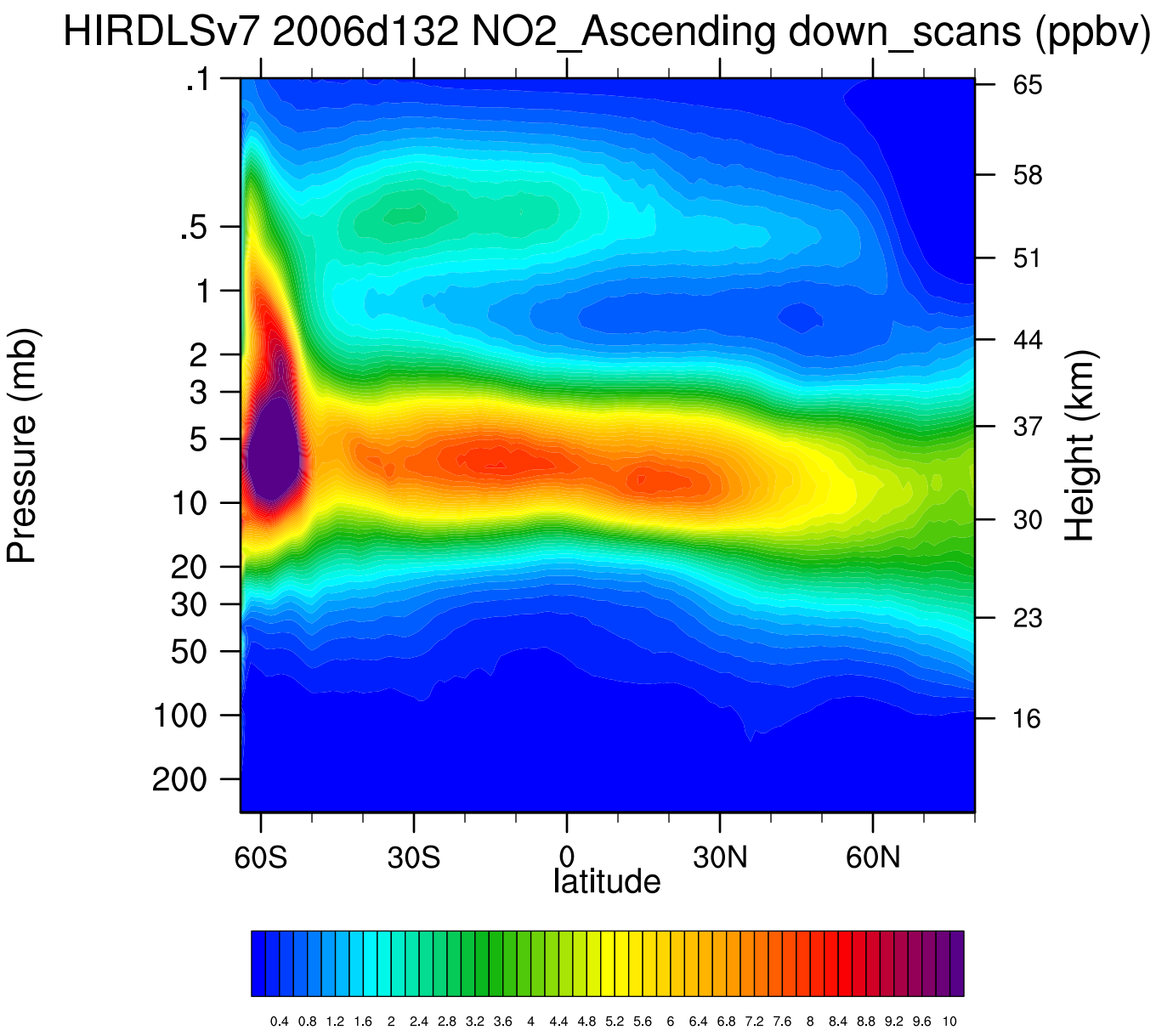

HIRDLSv7 2006d127 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

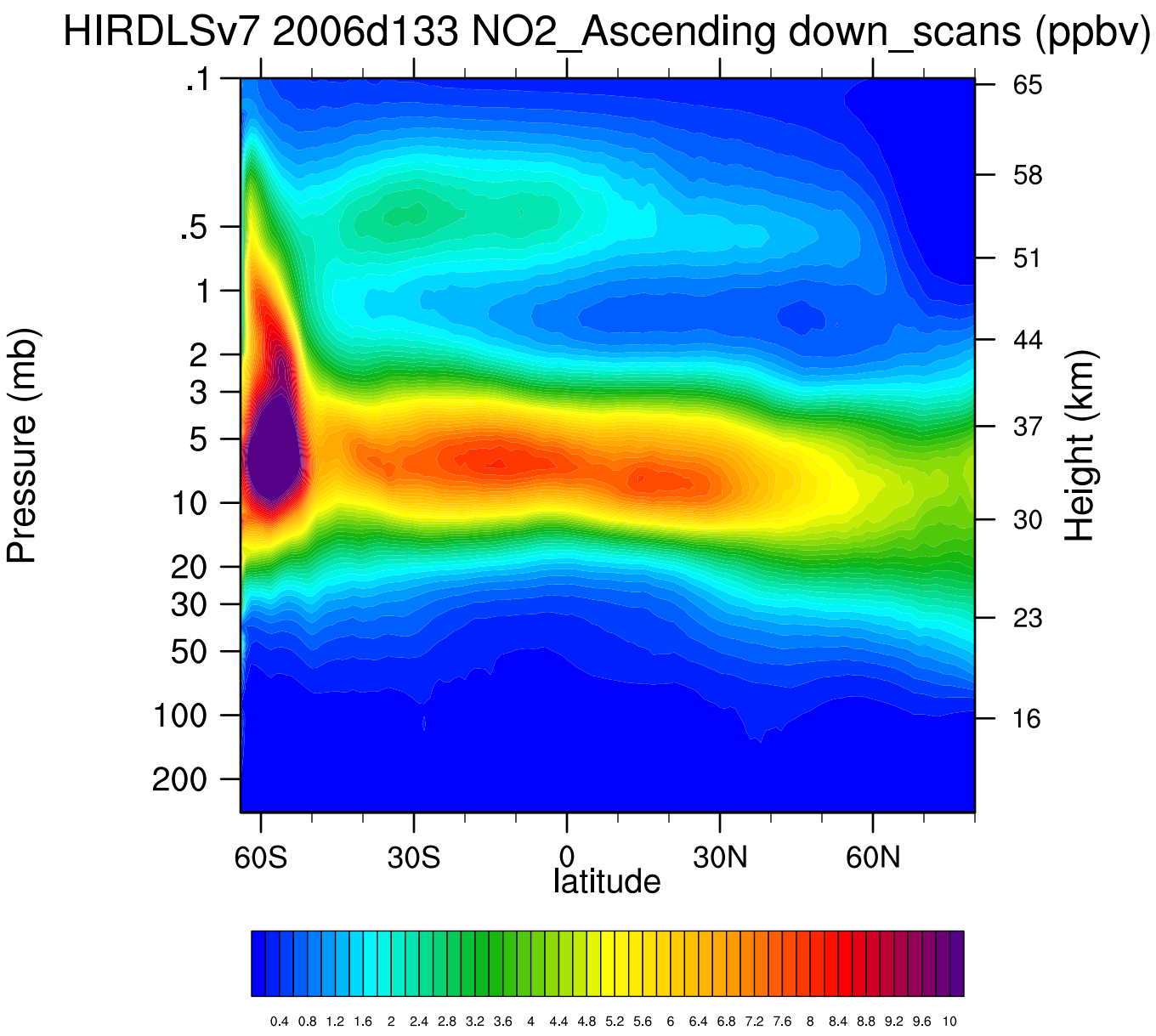

HIRDLSv7 2006d128 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

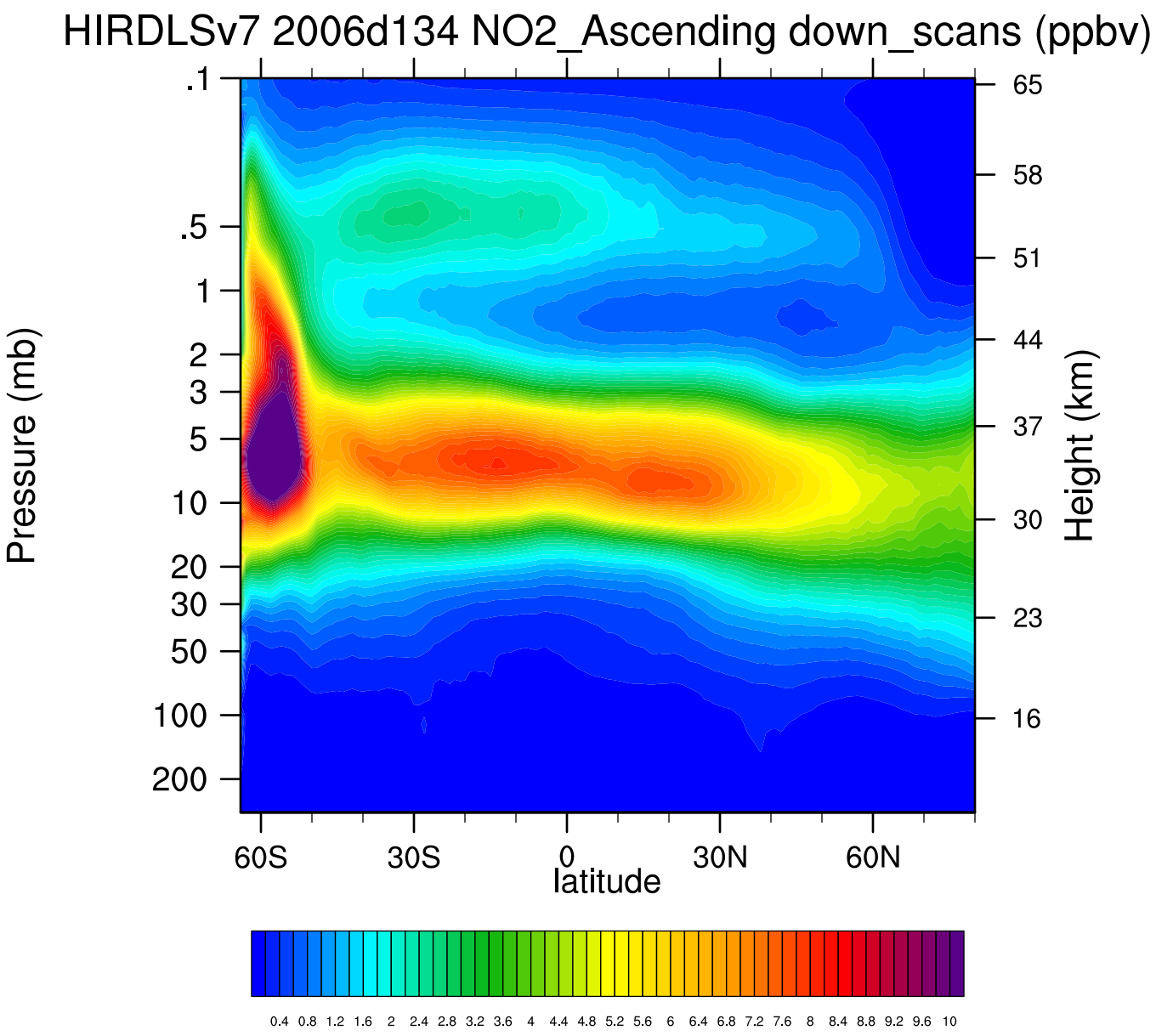

HIRDLSv7 2006d129 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

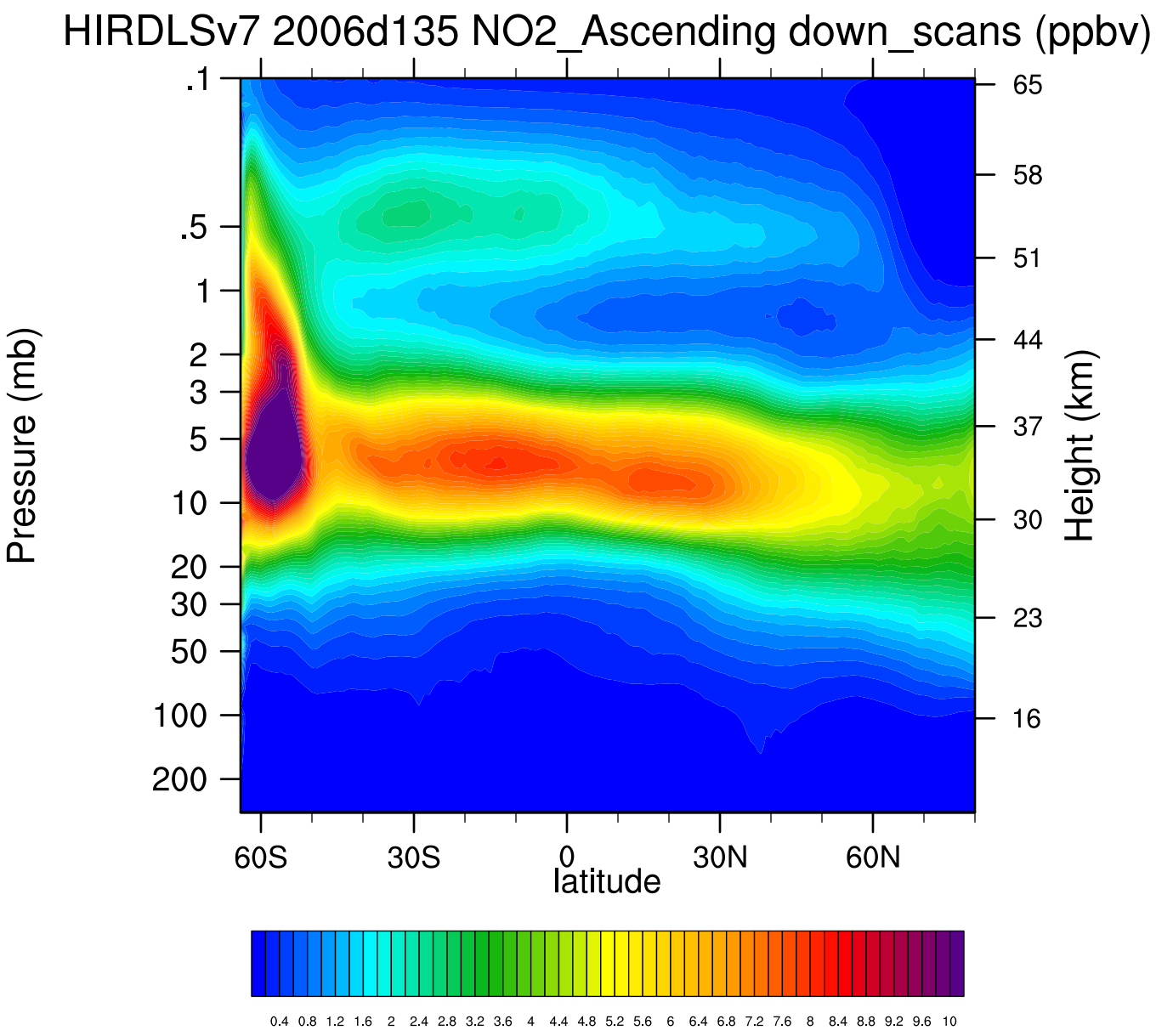

HIRDLSv7 2006d130 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

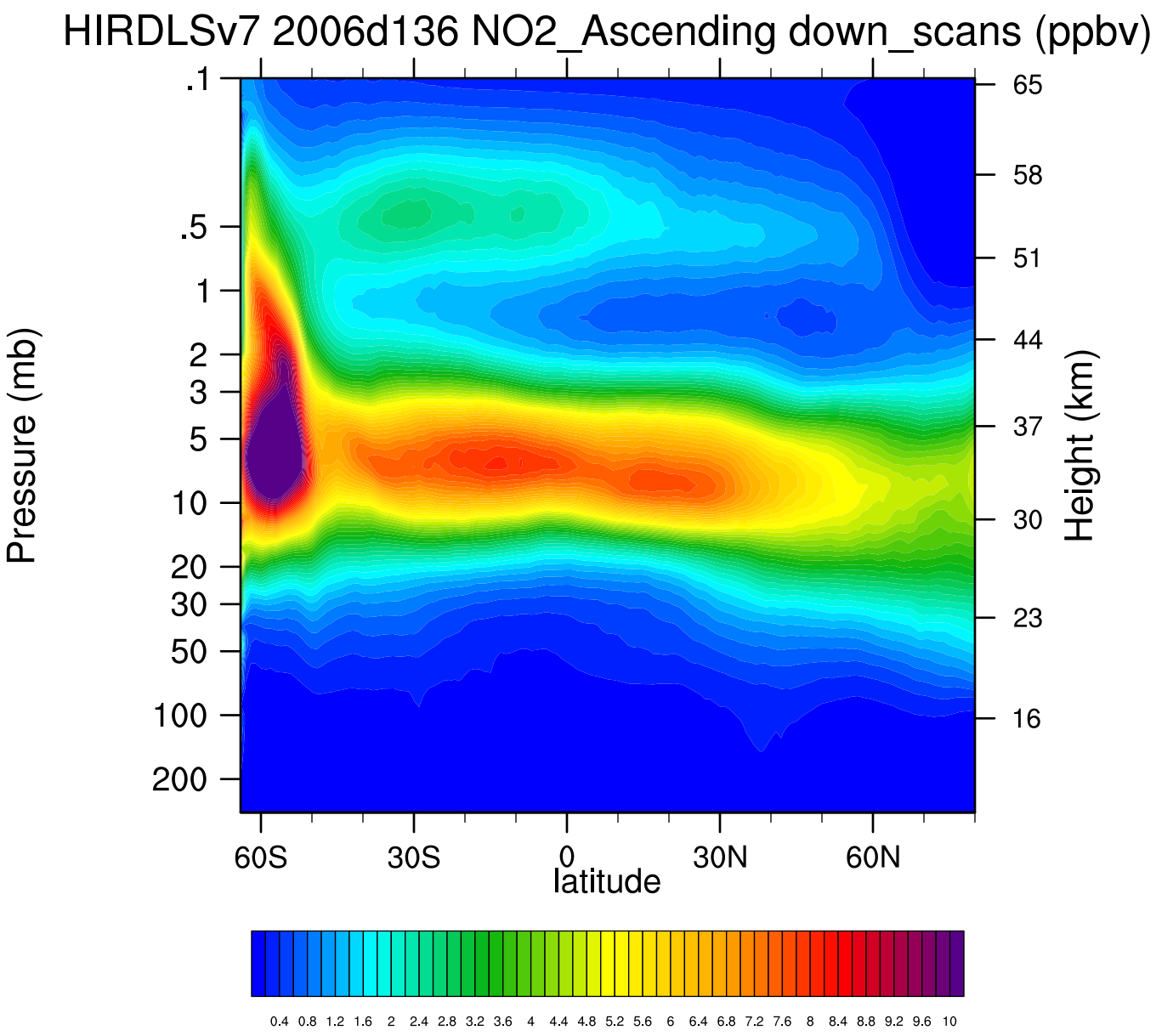

HIRDLSv7 2006d131 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

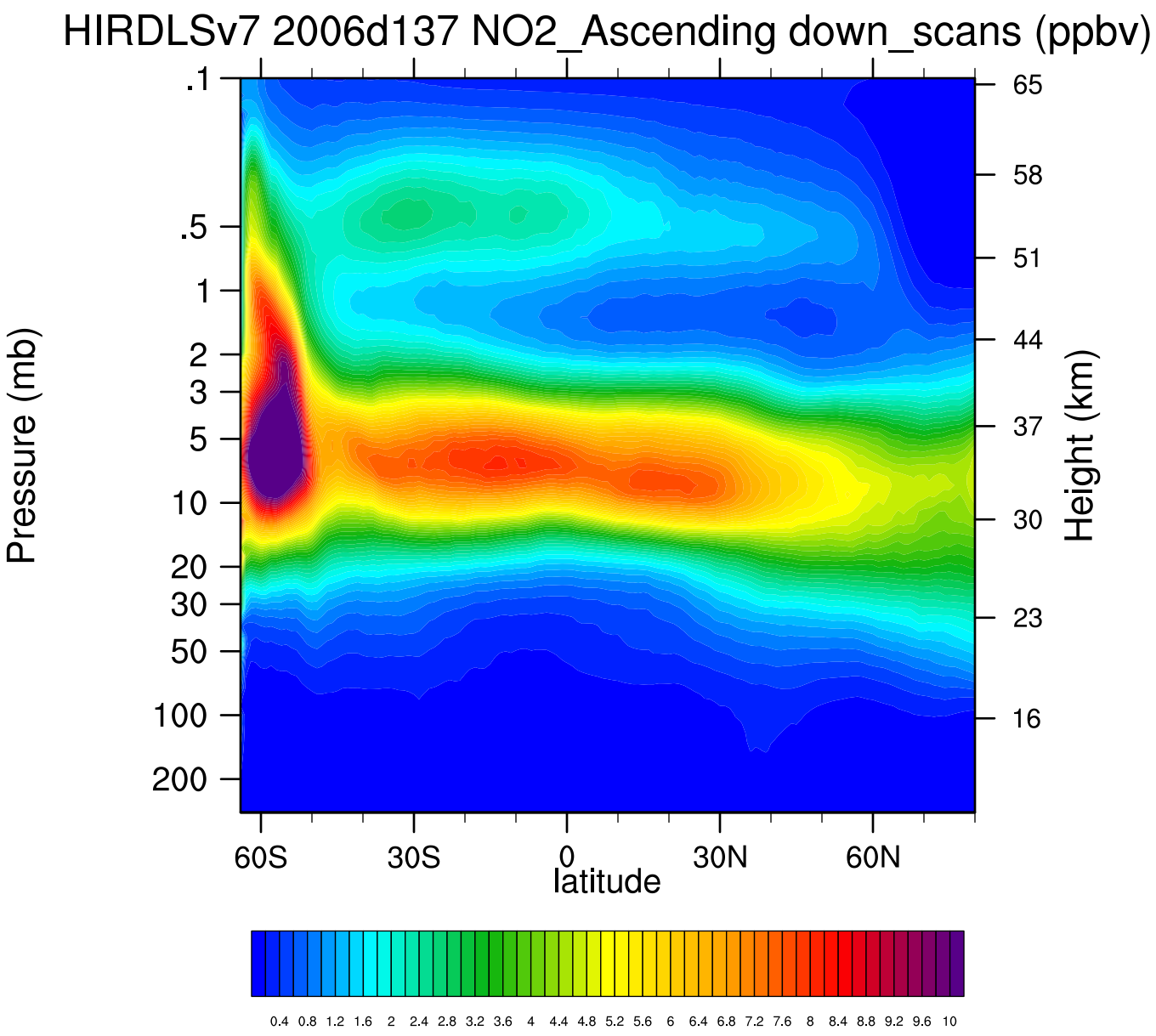

HIRDLSv7 2006d132 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

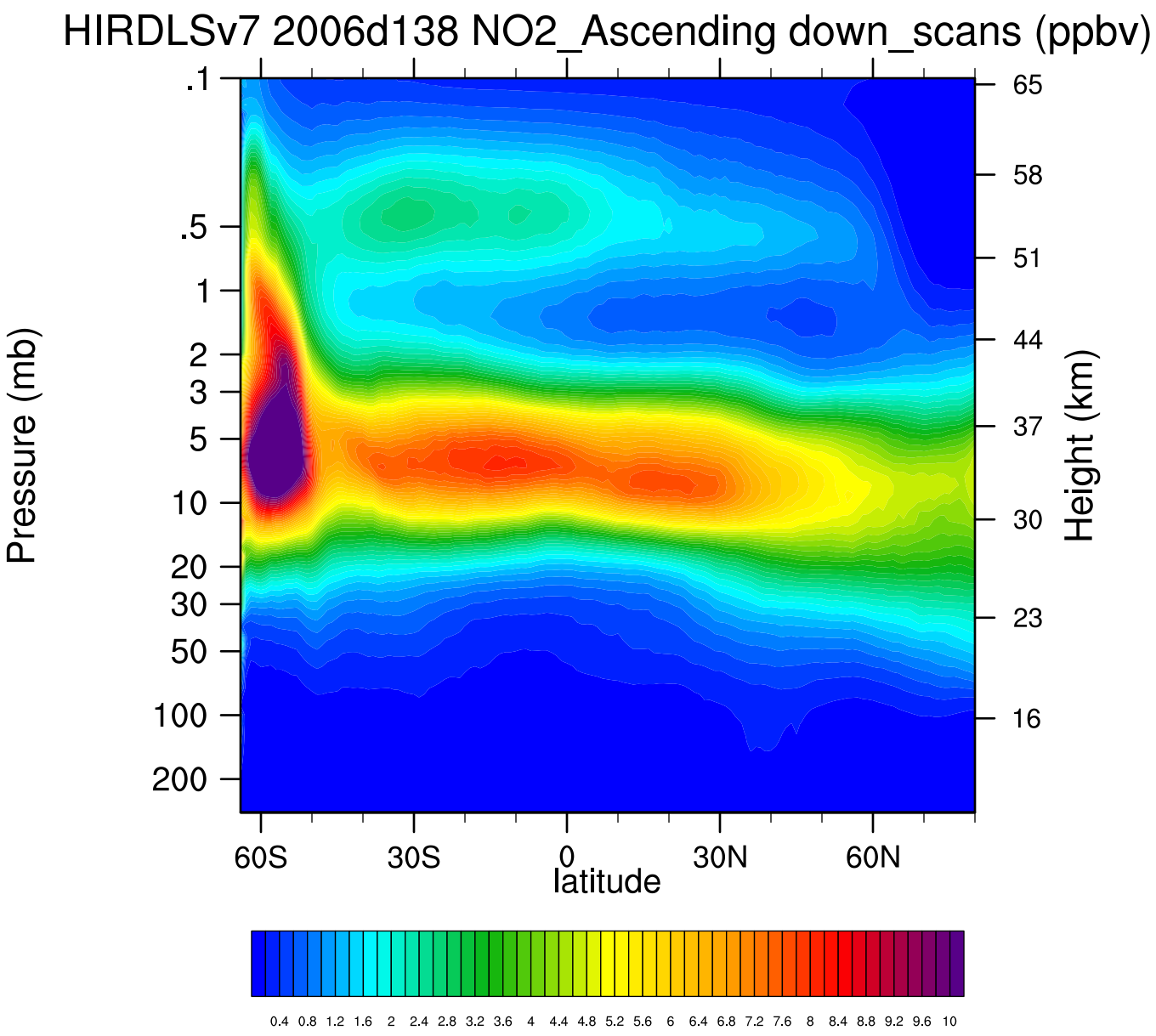

HIRDLSv7 2006d133 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

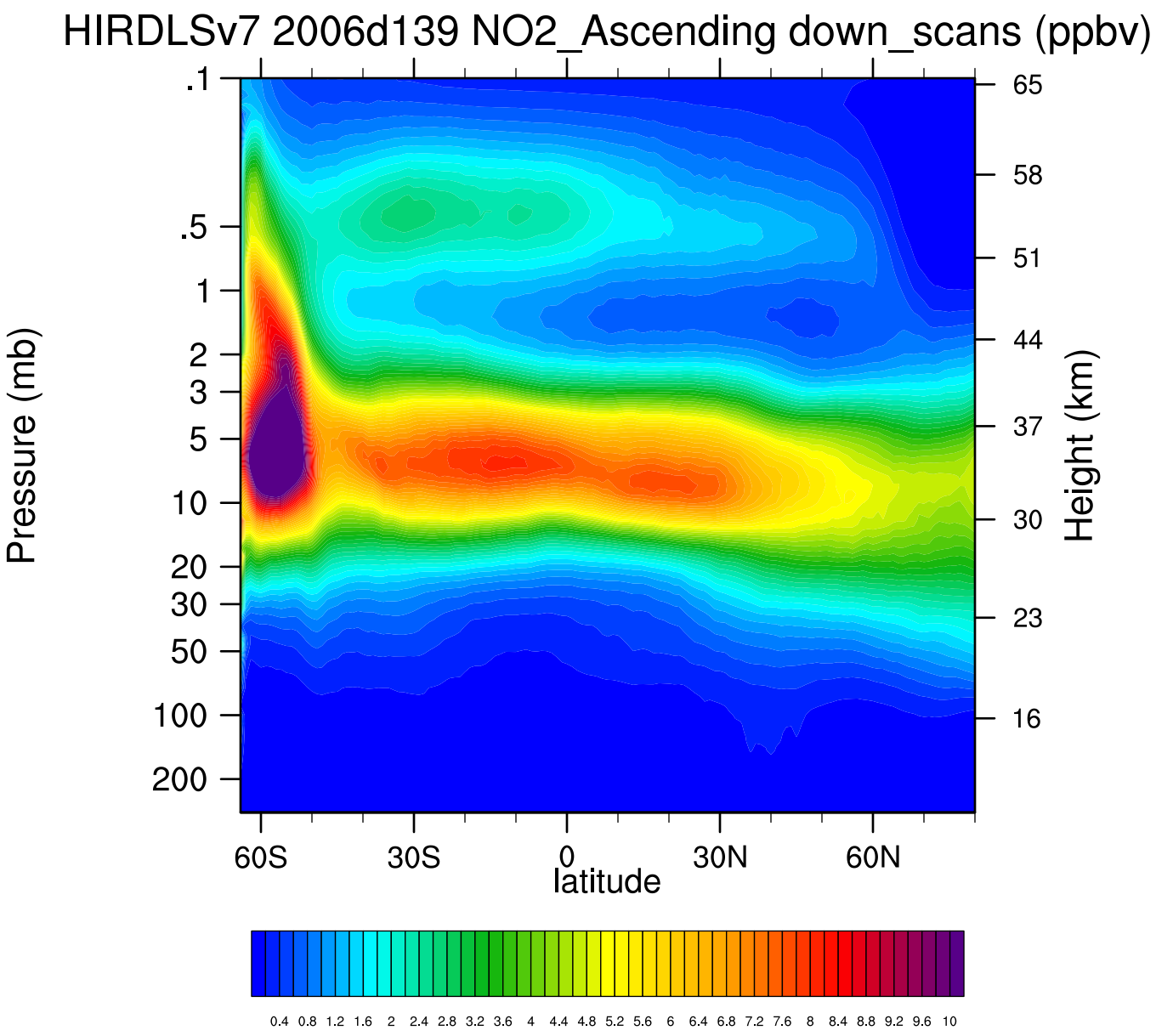

HIRDLSv7 2006d134 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

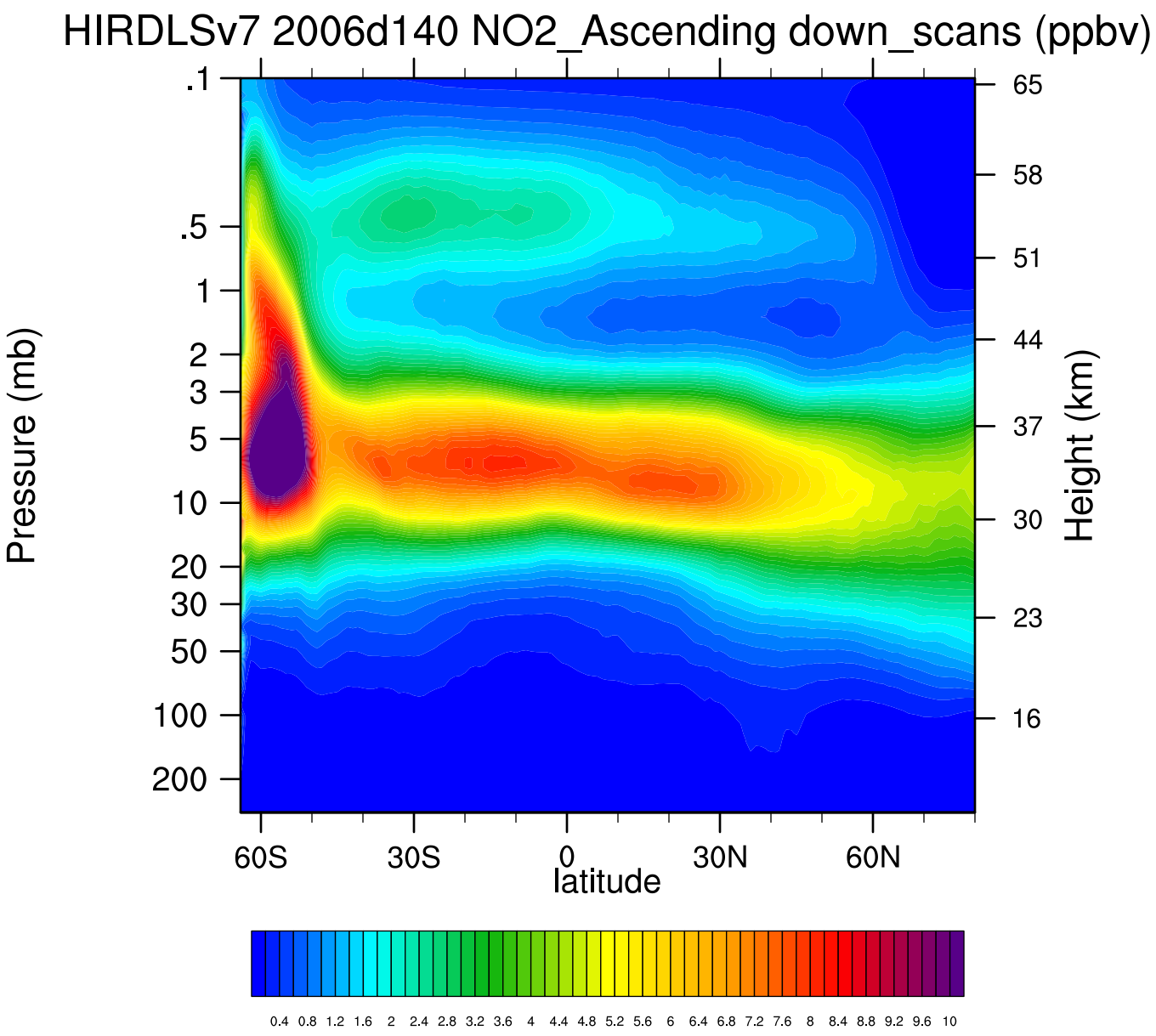

HIRDLSv7 2006d135 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

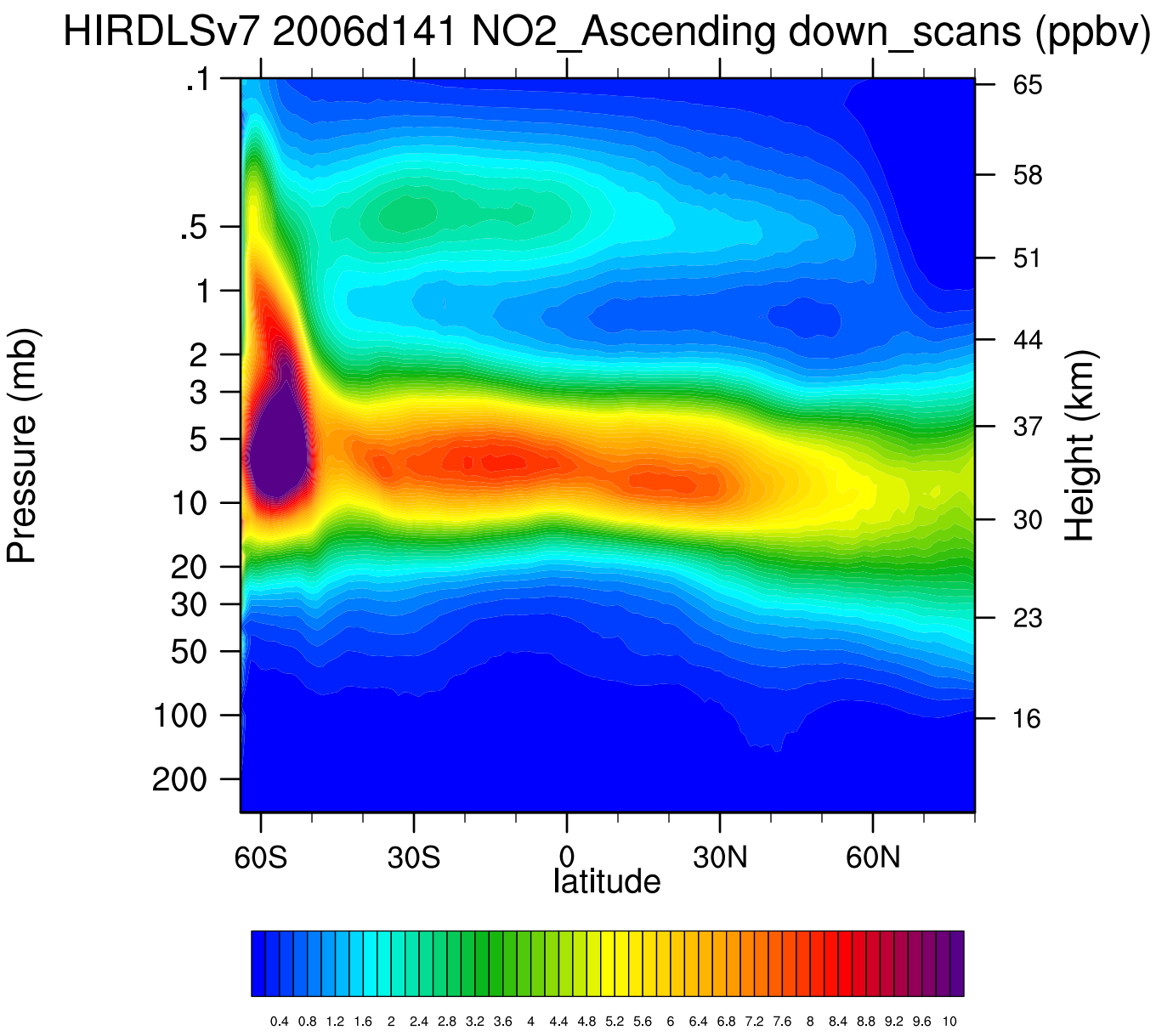

HIRDLSv7 2006d136 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

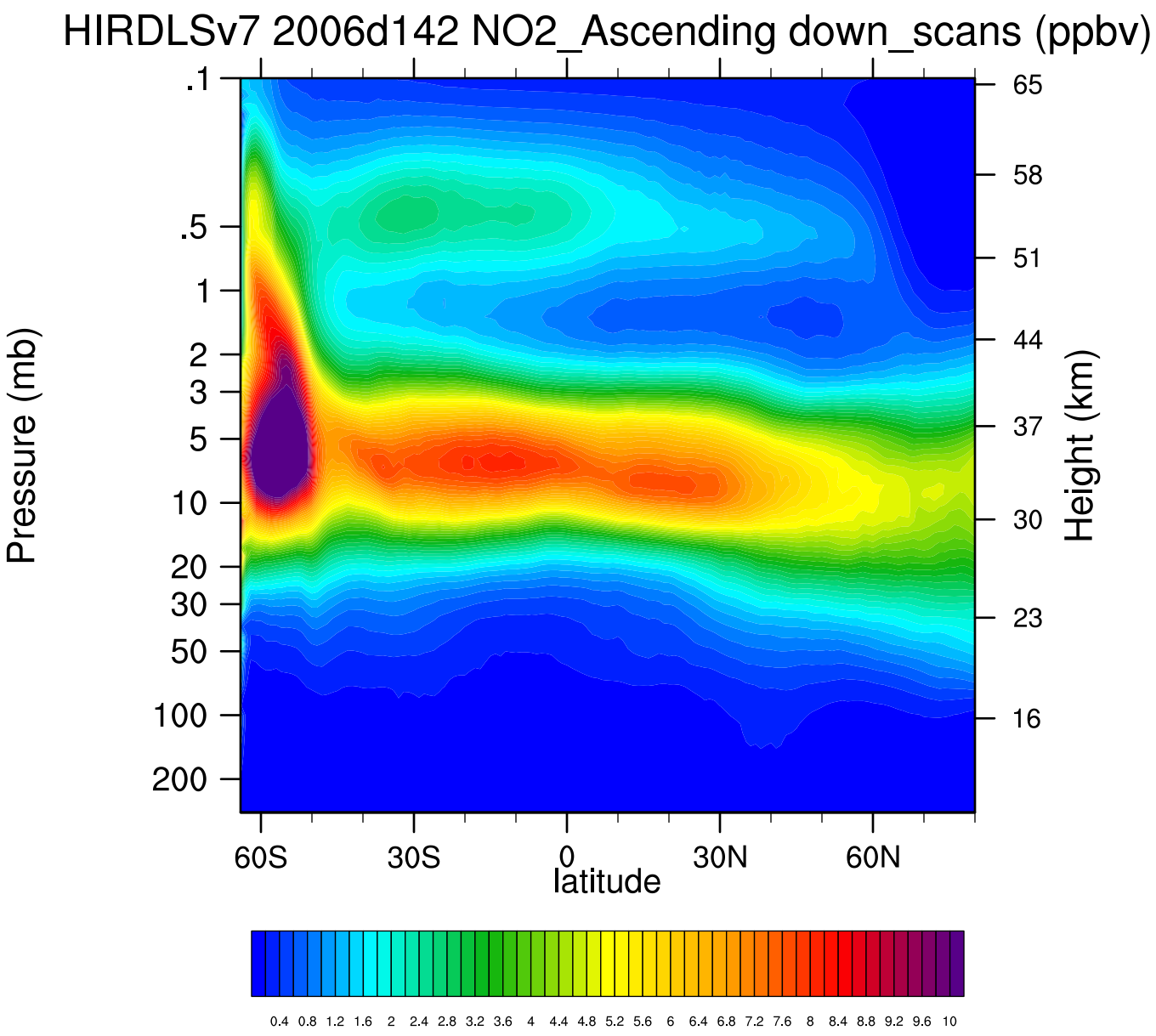

HIRDLSv7 2006d137 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

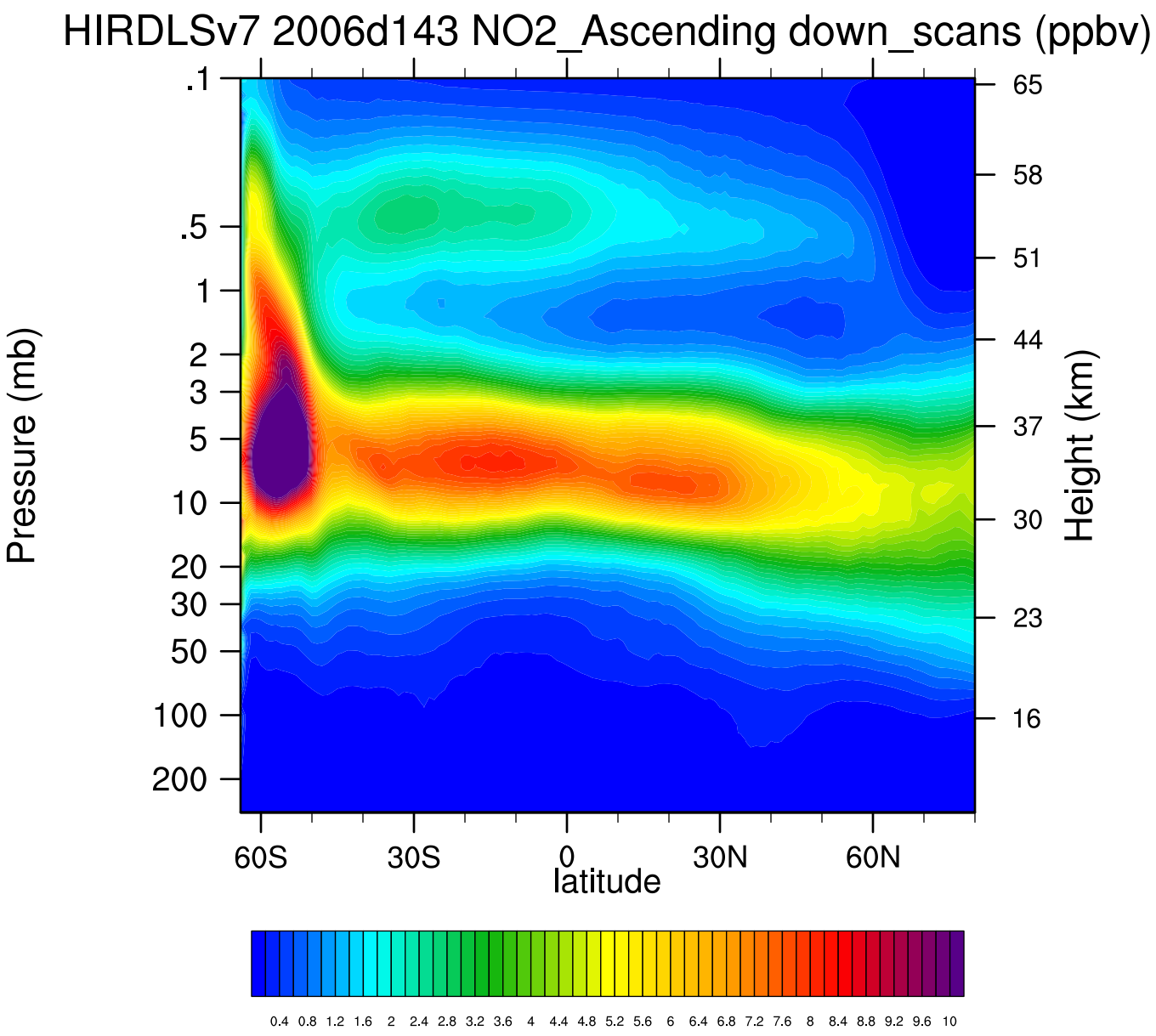

HIRDLSv7 2006d138 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

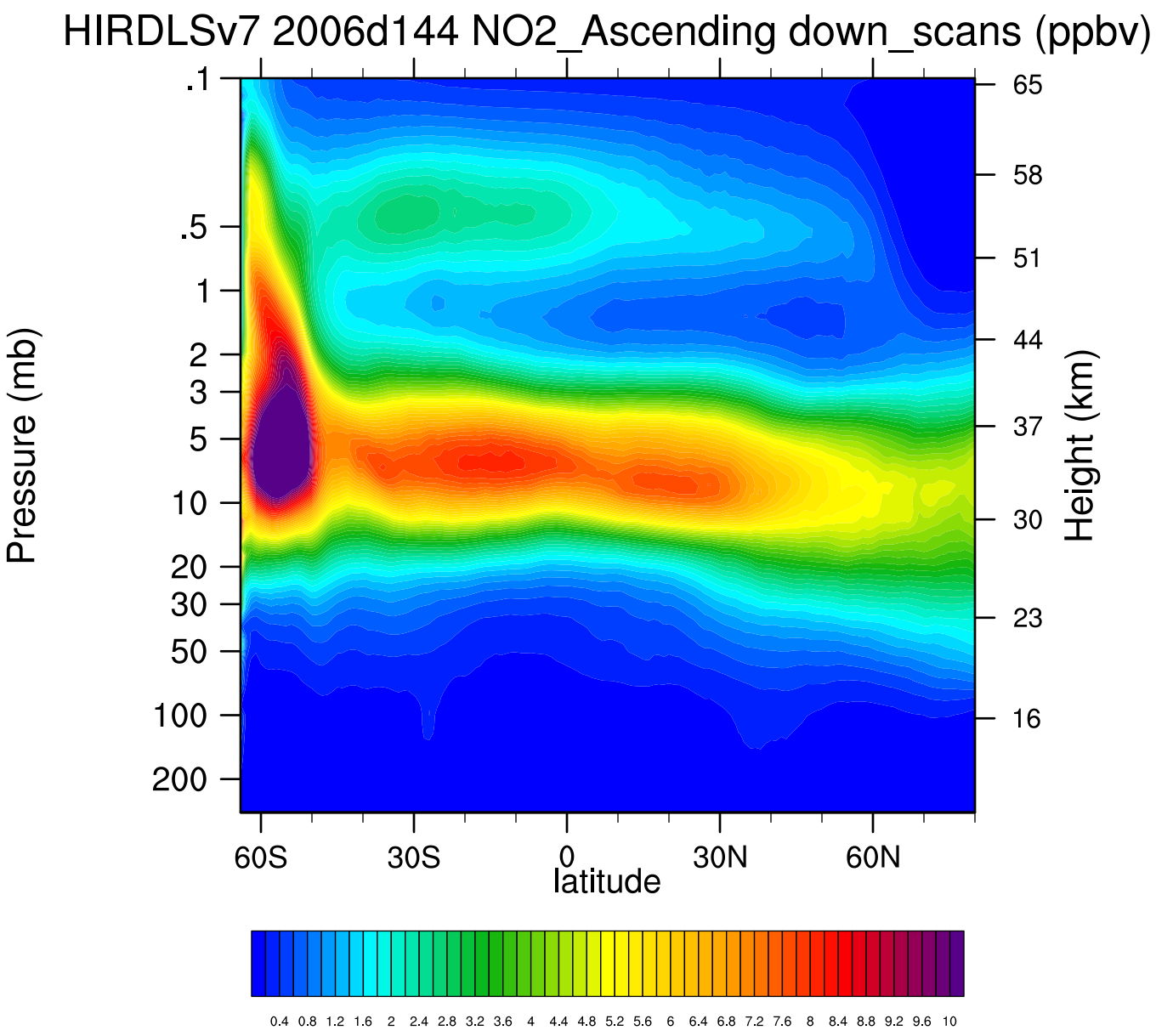

HIRDLSv7 2006d139 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

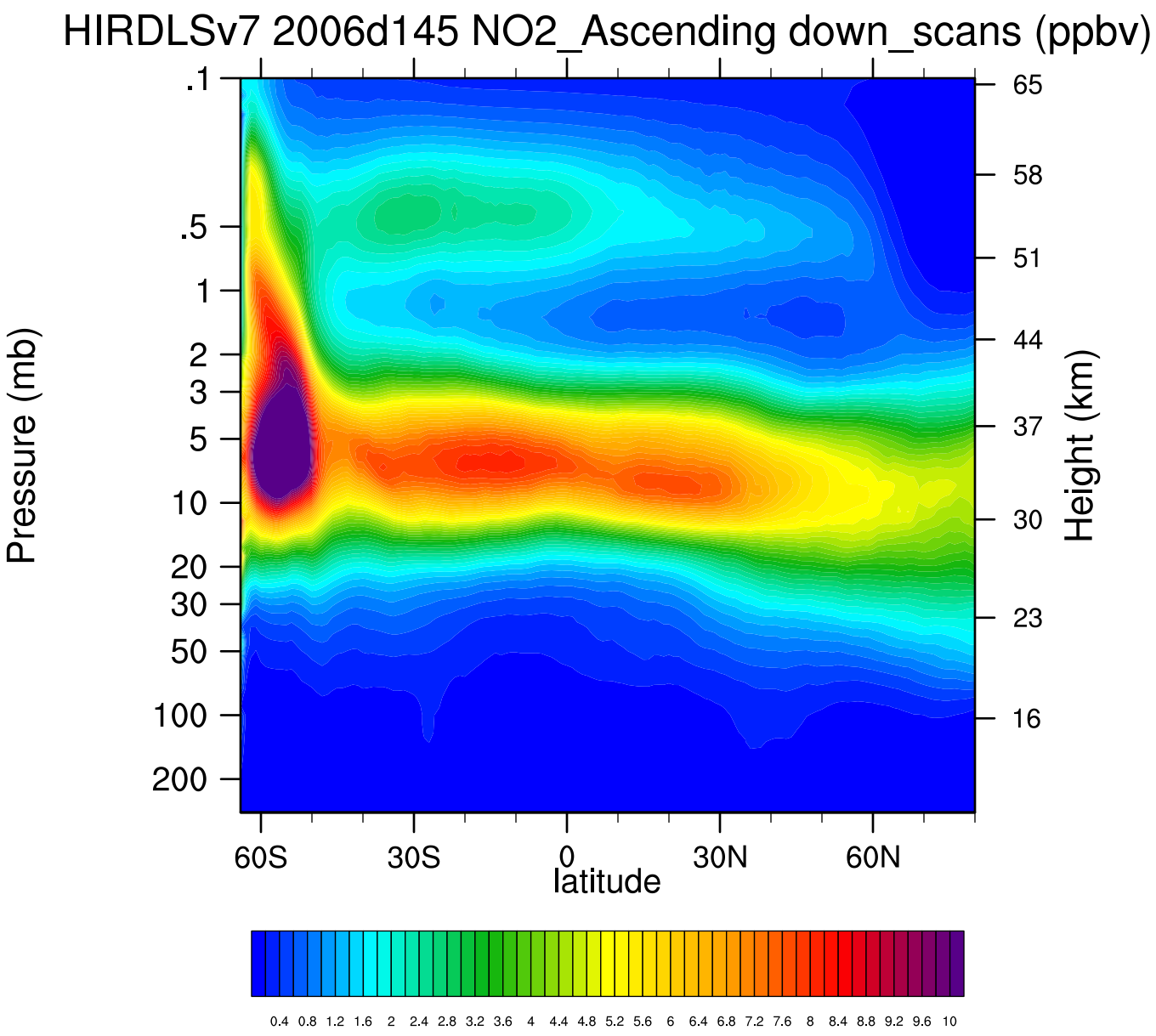

HIRDLSv7 2006d140 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

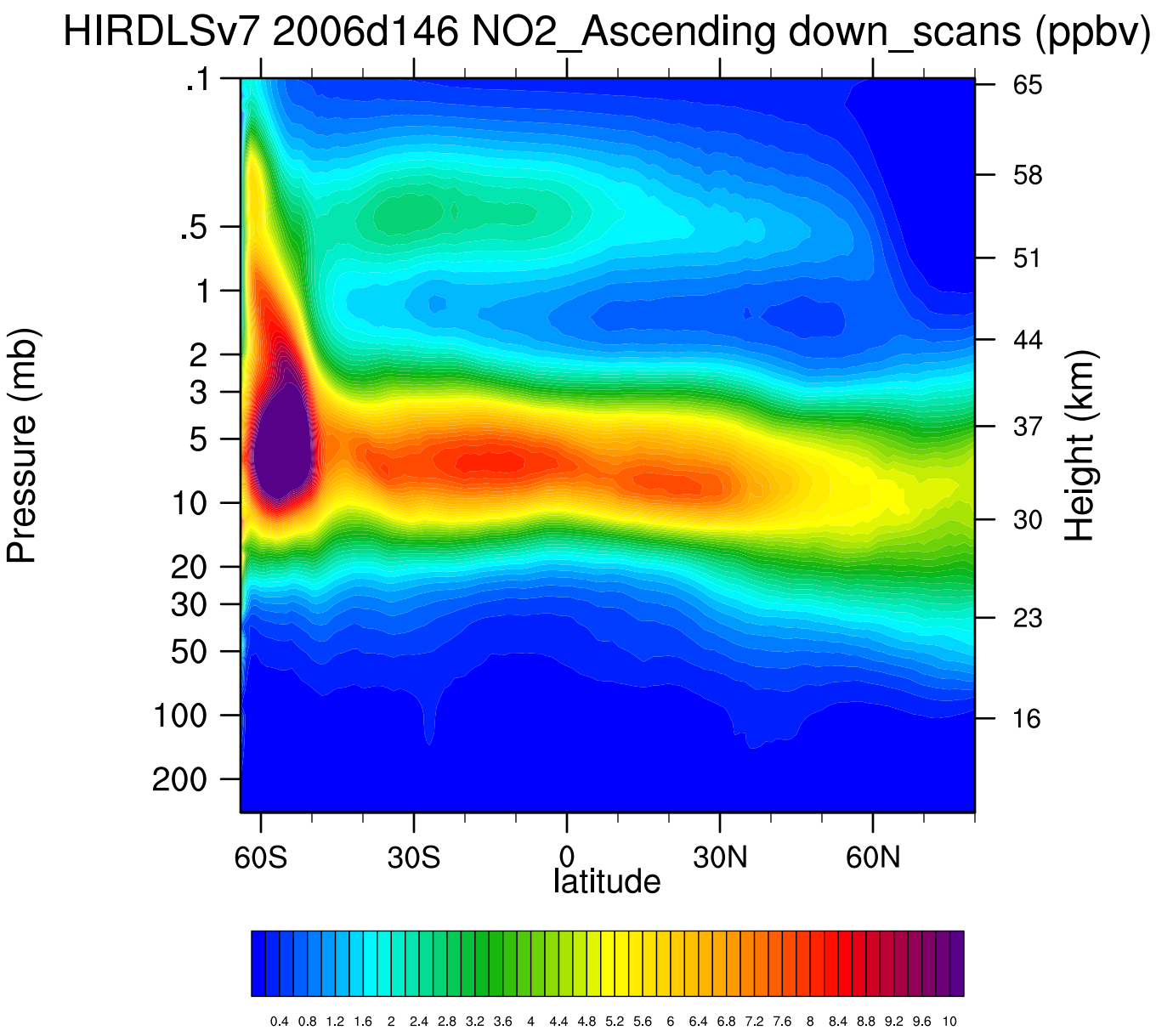

HIRDLSv7 2006d141 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

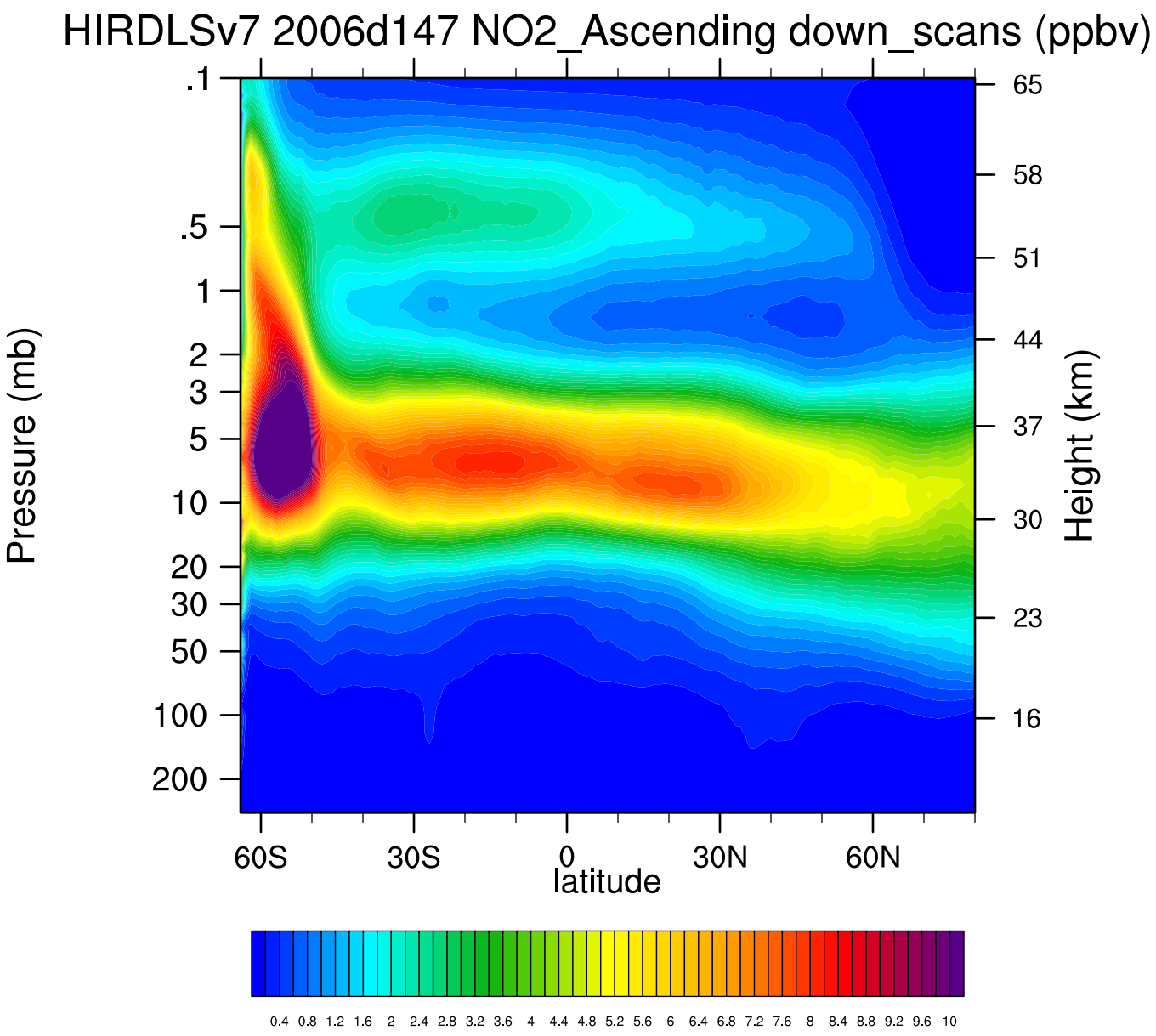

HIRDLSv7 2006d142 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

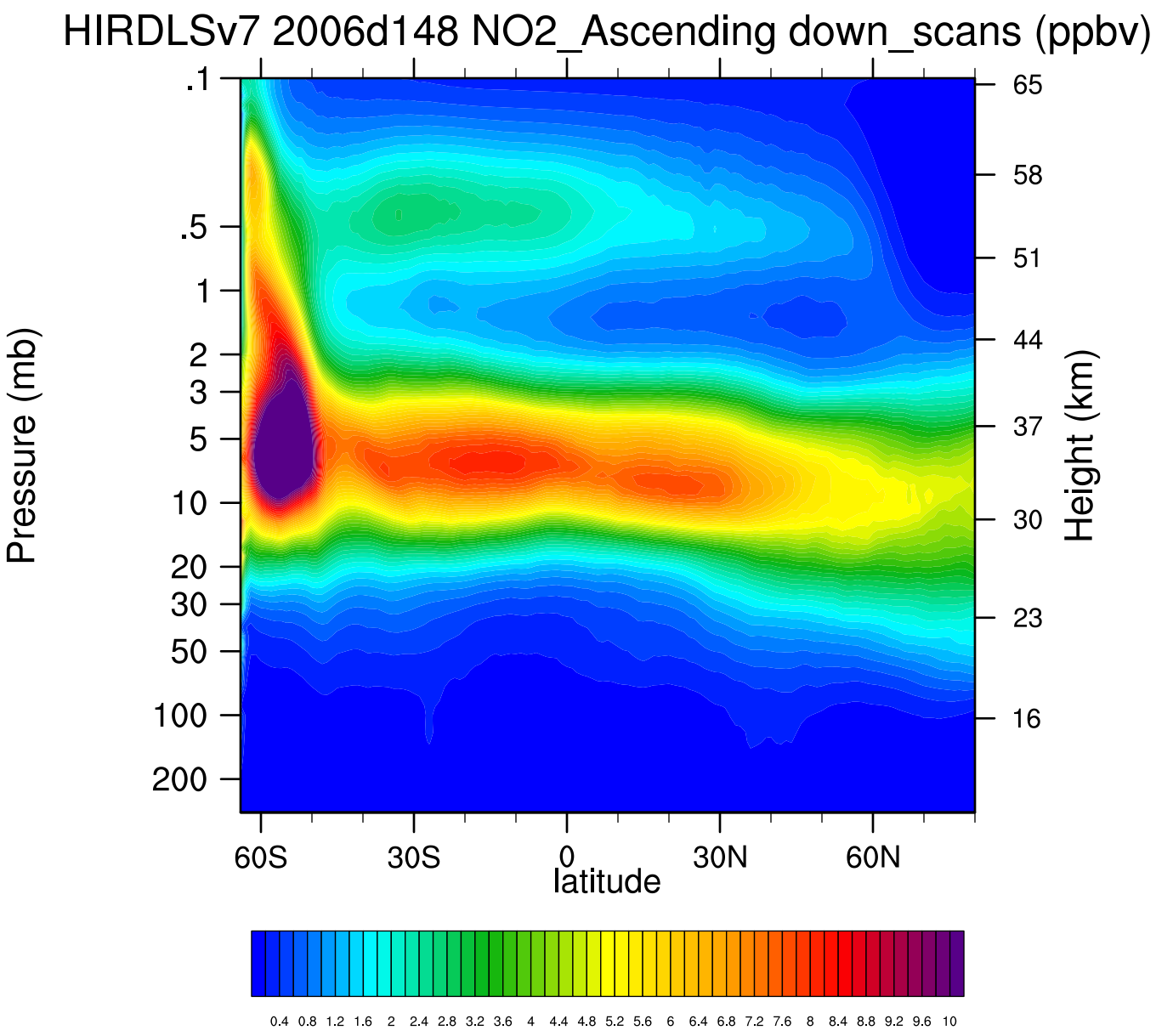

HIRDLSv7 2006d143 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

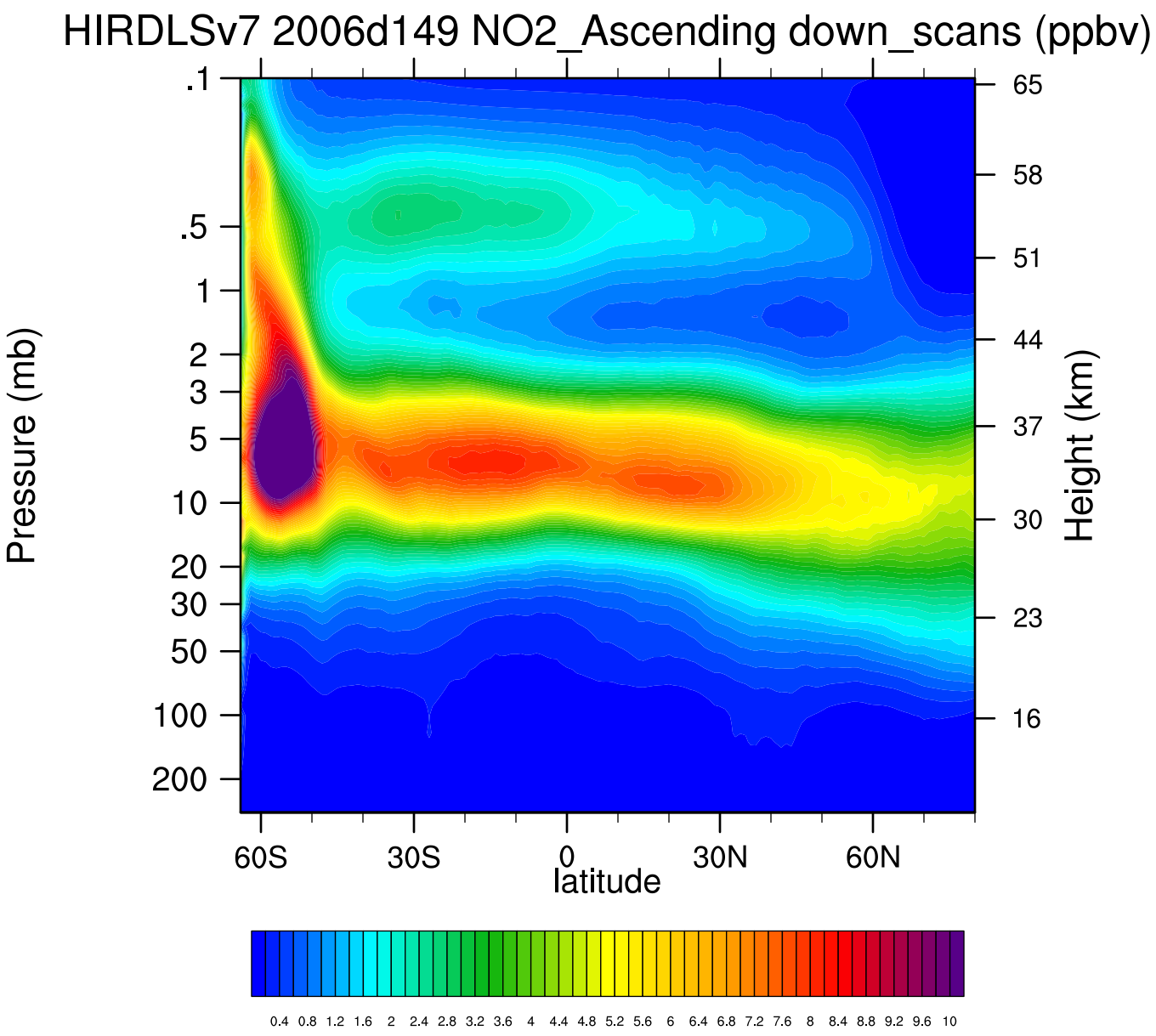

HIRDLSv7 2006d144 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

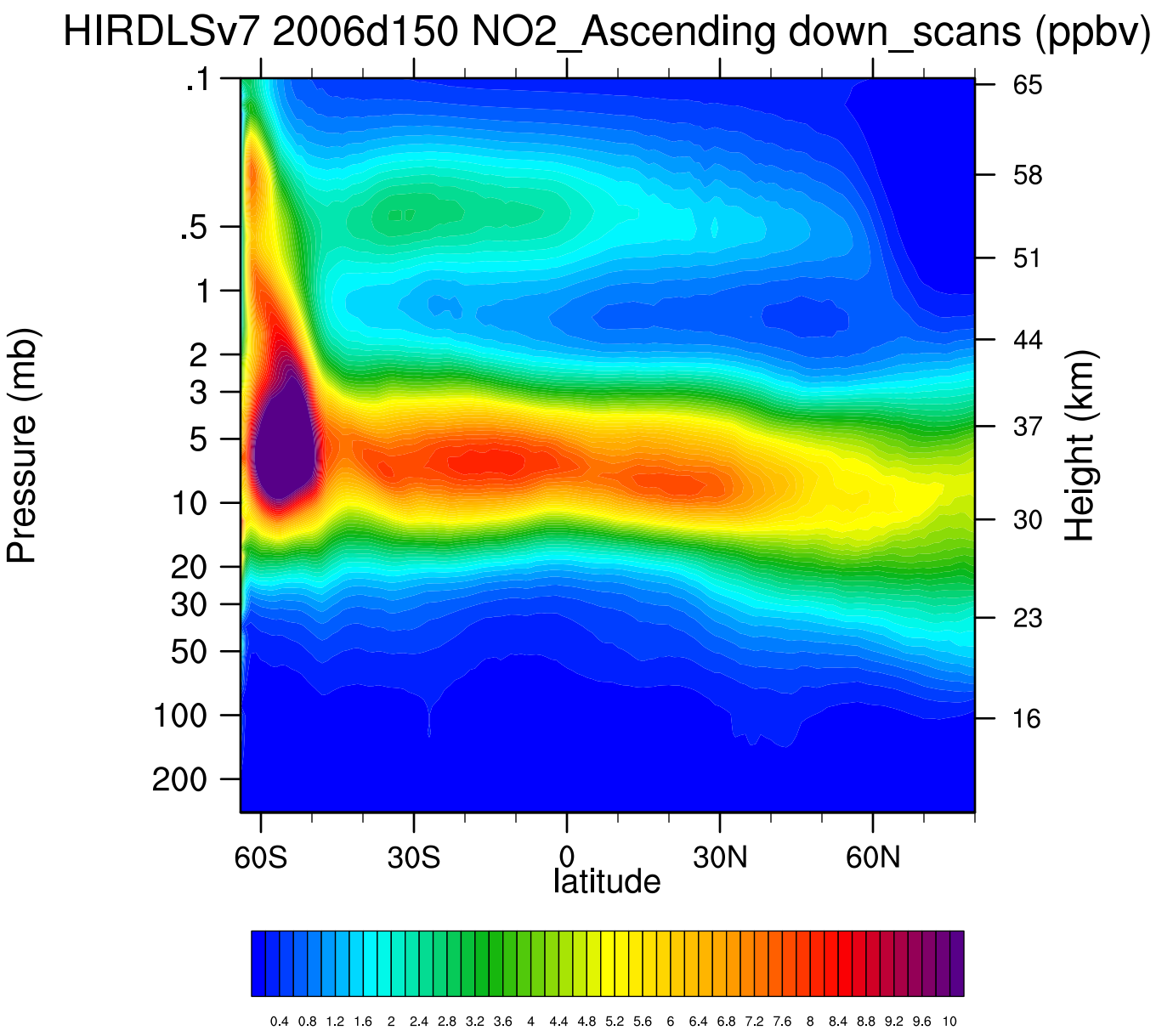

HIRDLSv7 2006d145 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

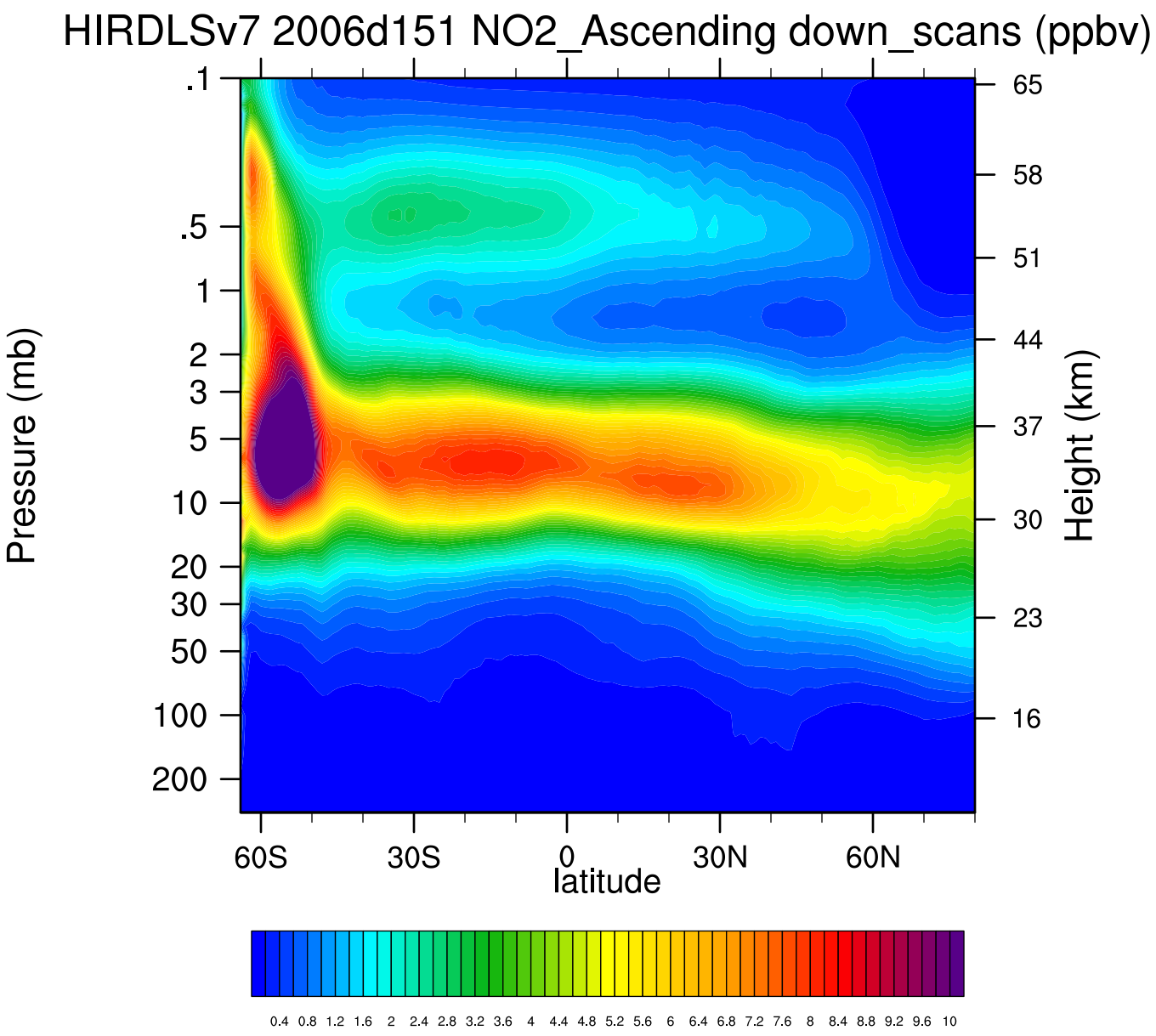

HIRDLSv7 2006d146 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

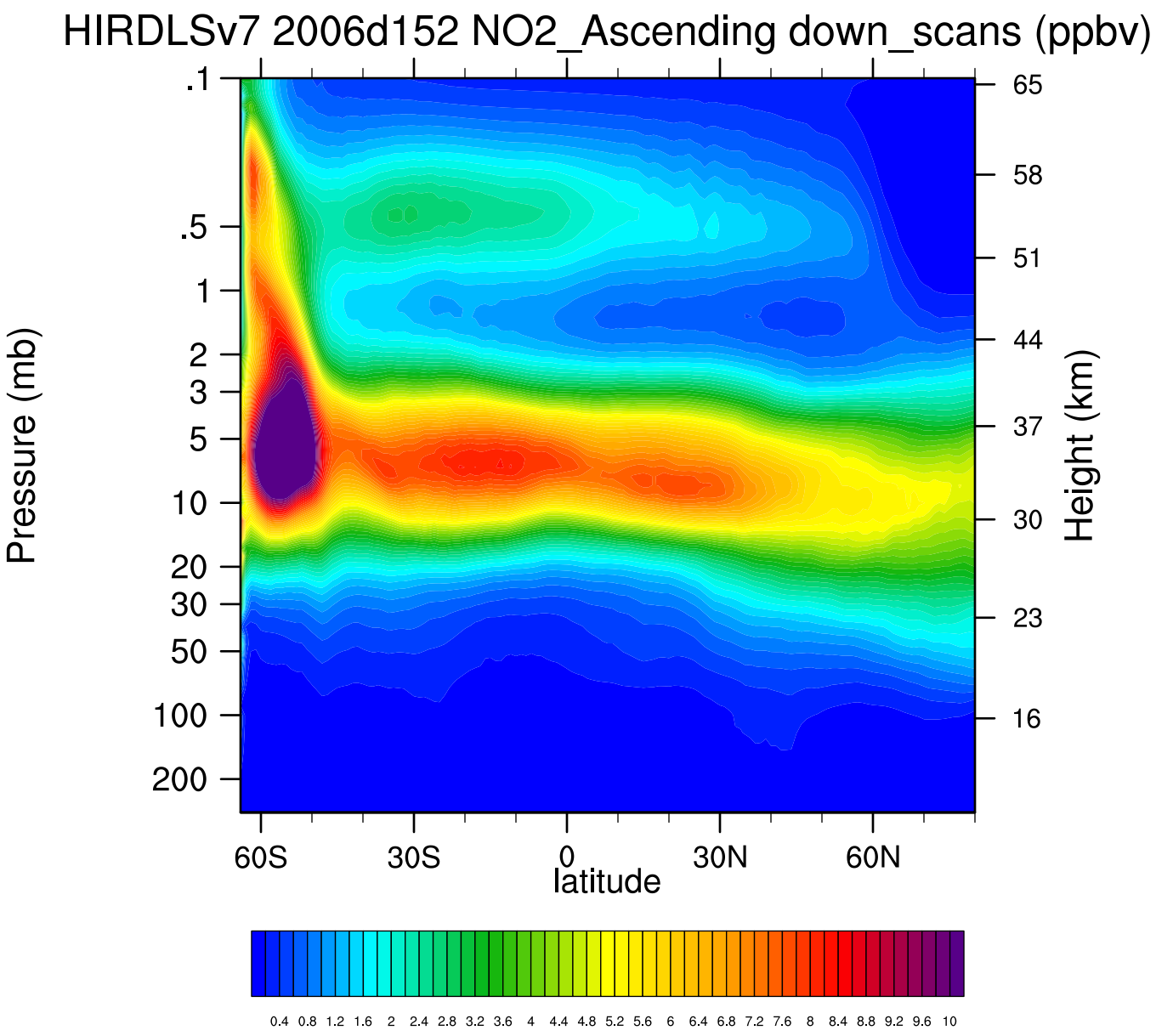

HIRDLSv7 2006d147 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

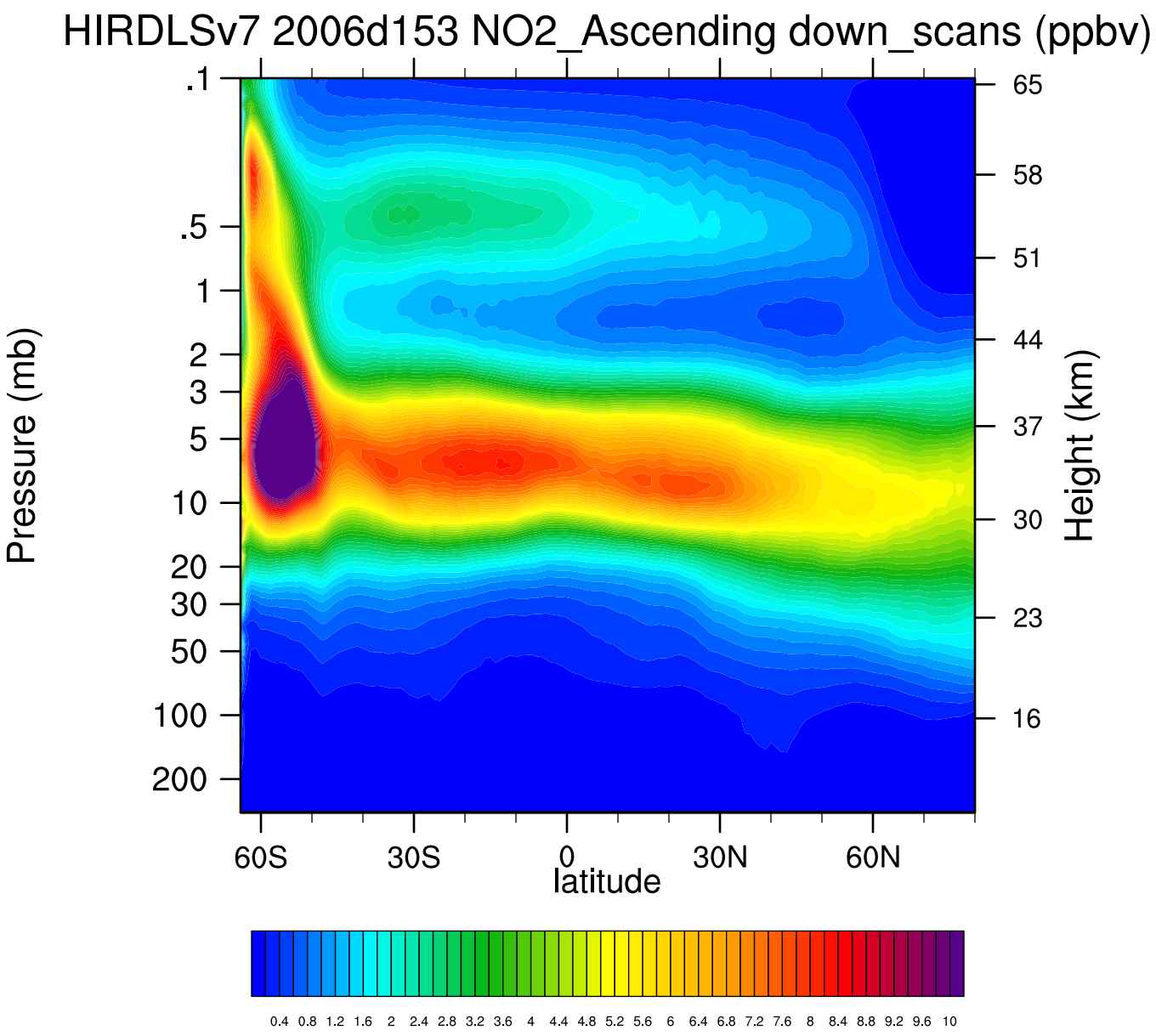

HIRDLSv7 2006d148 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

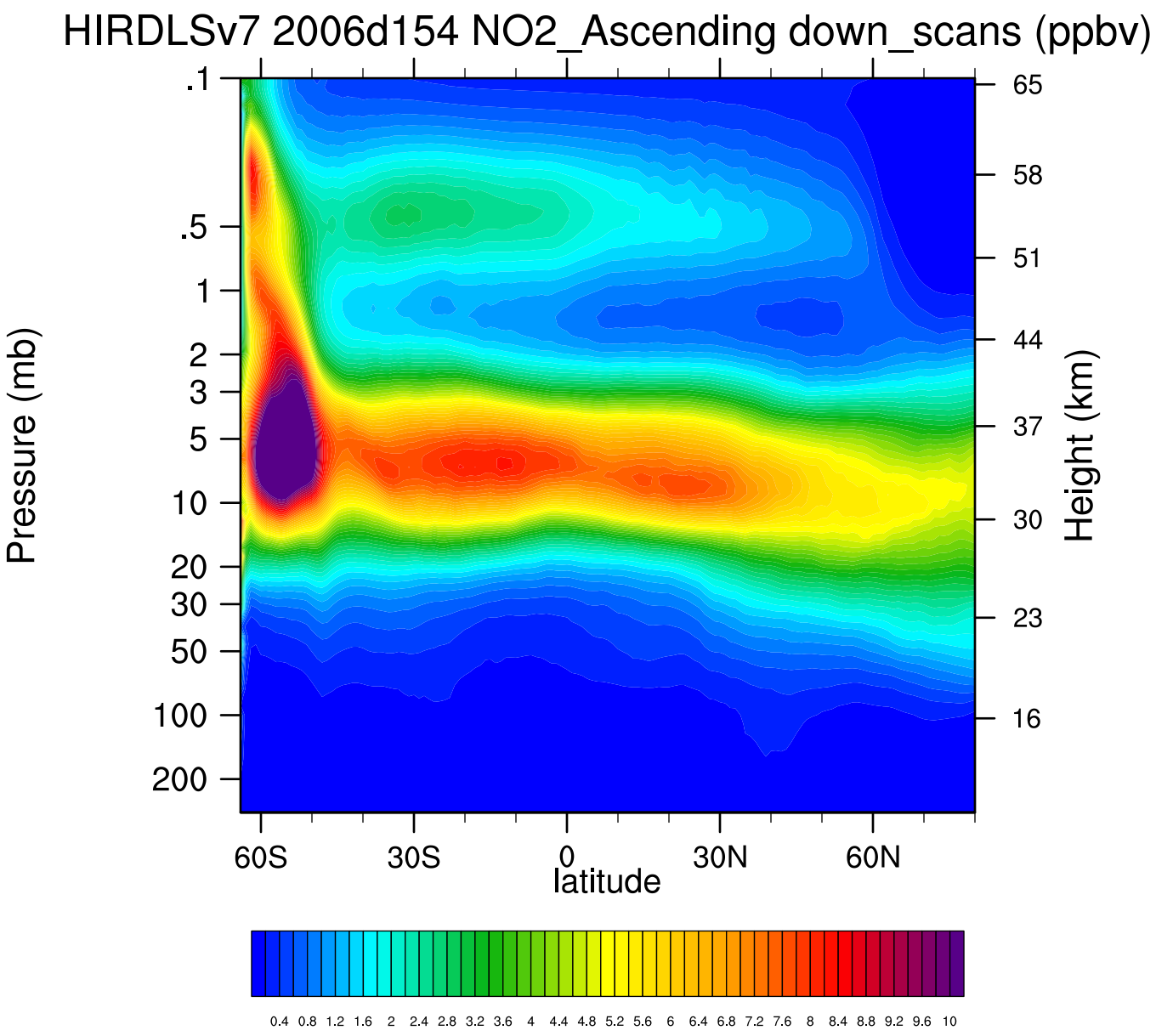

HIRDLSv7 2006d149 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

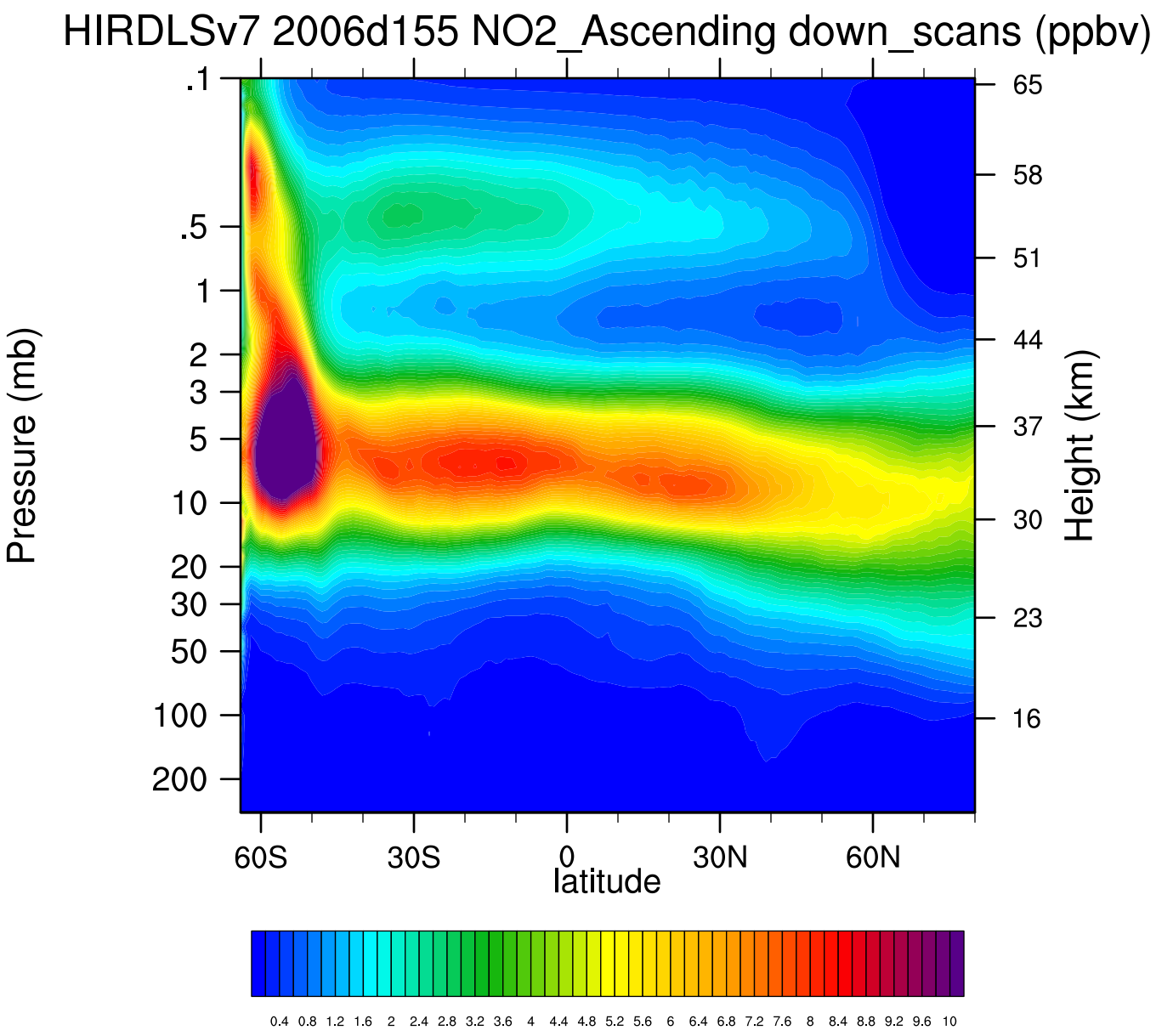

HIRDLSv7 2006d150 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2006d151 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2006d152 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2006d153 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2006d154 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2006d155 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
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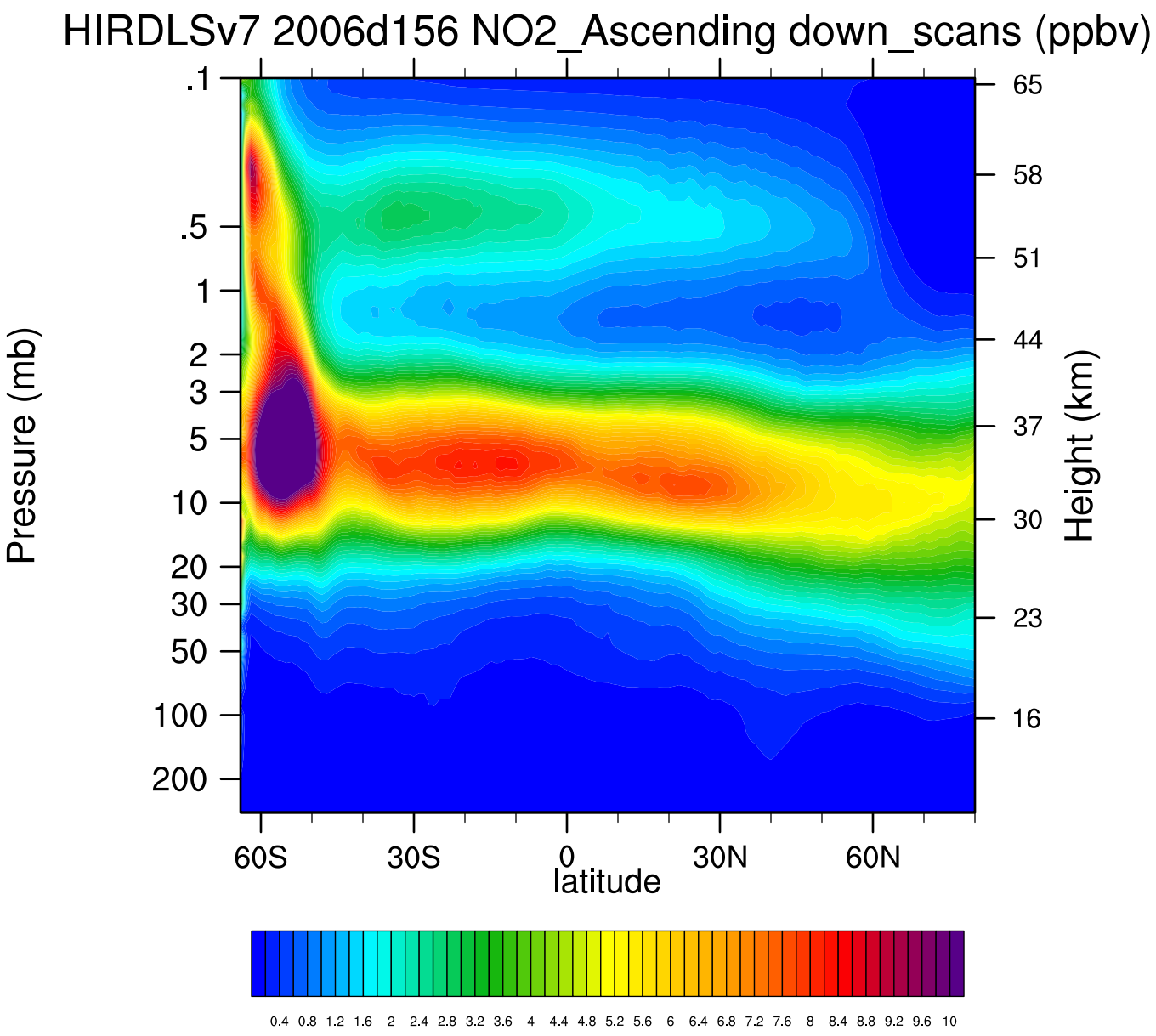
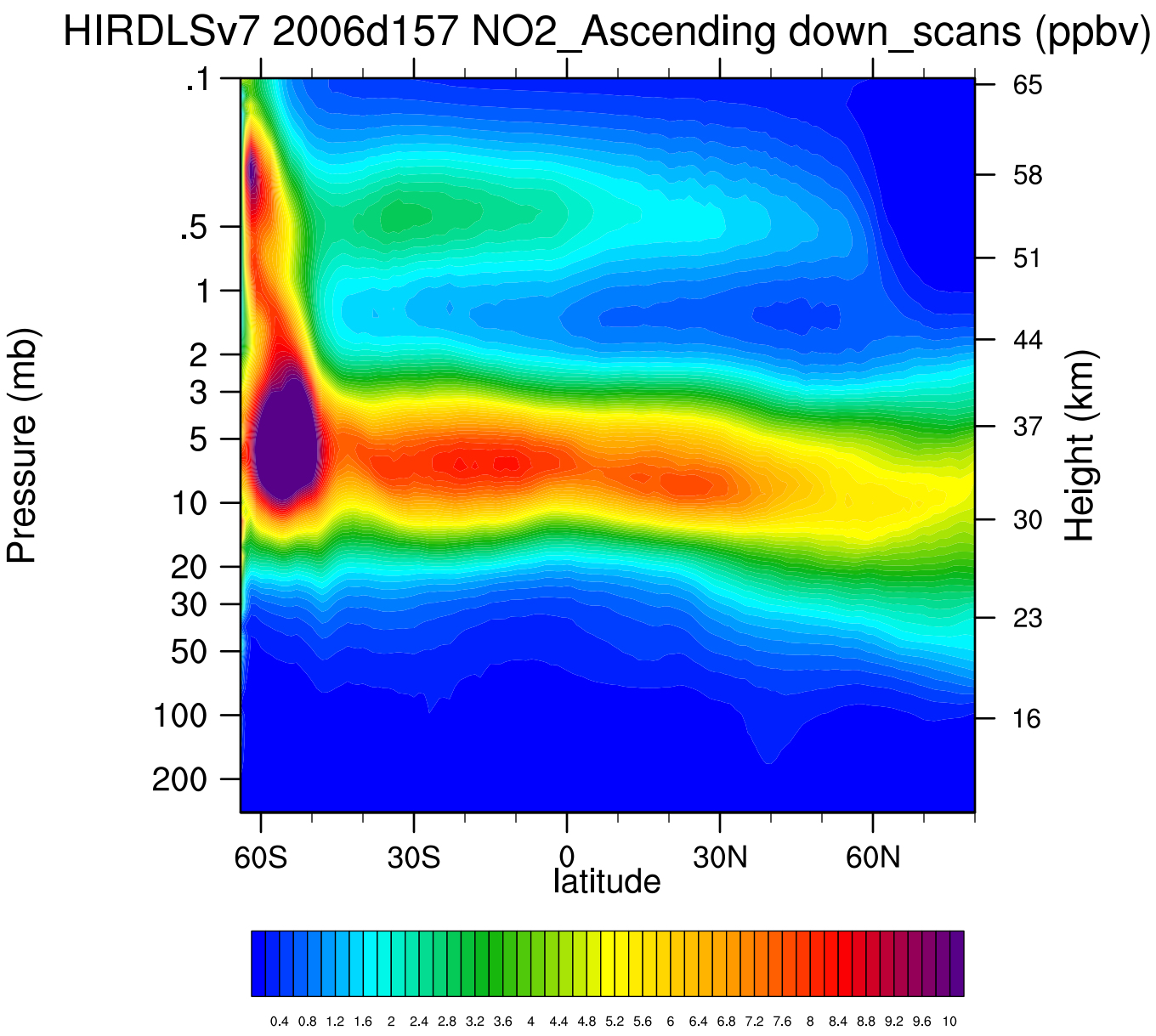
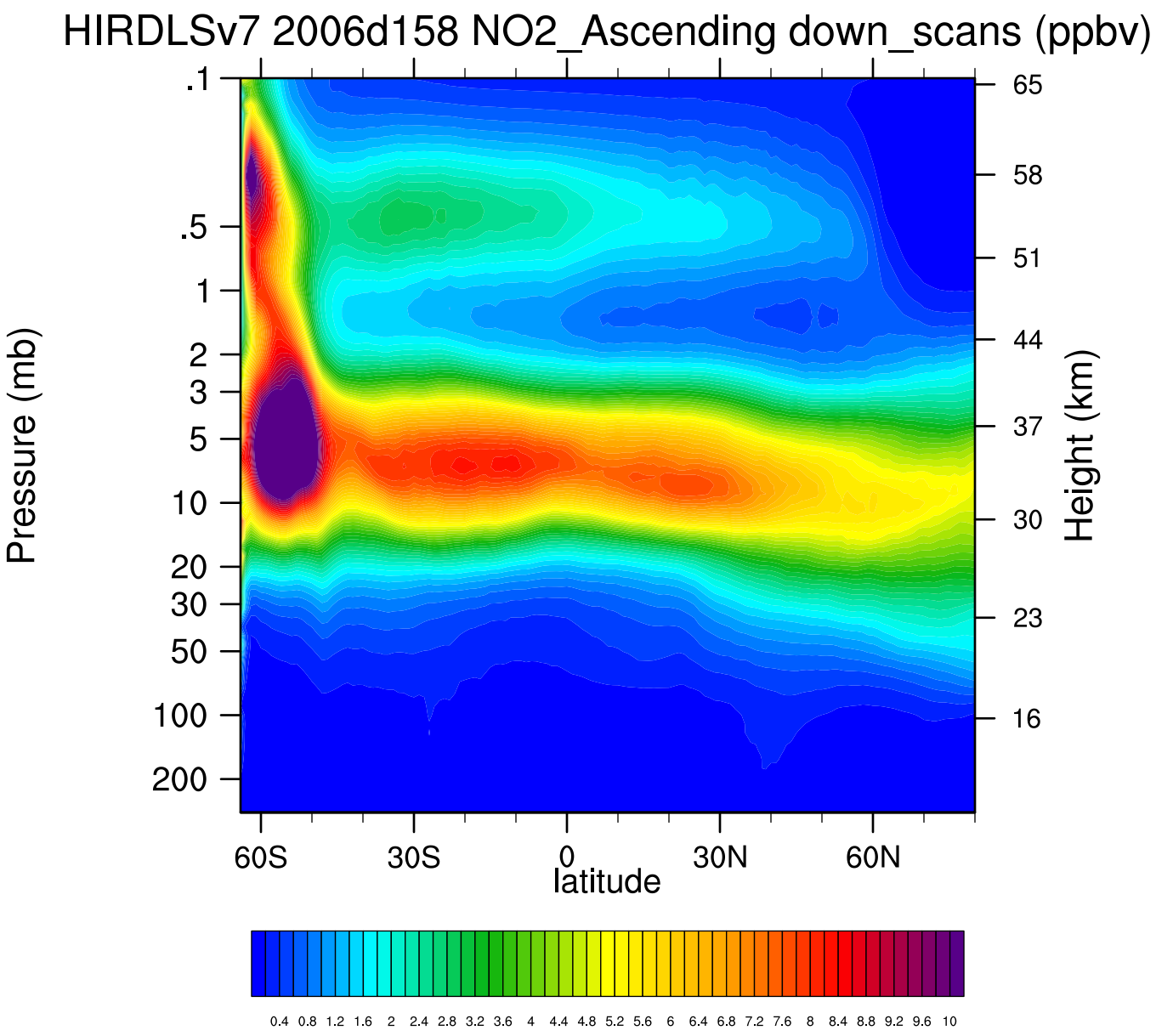
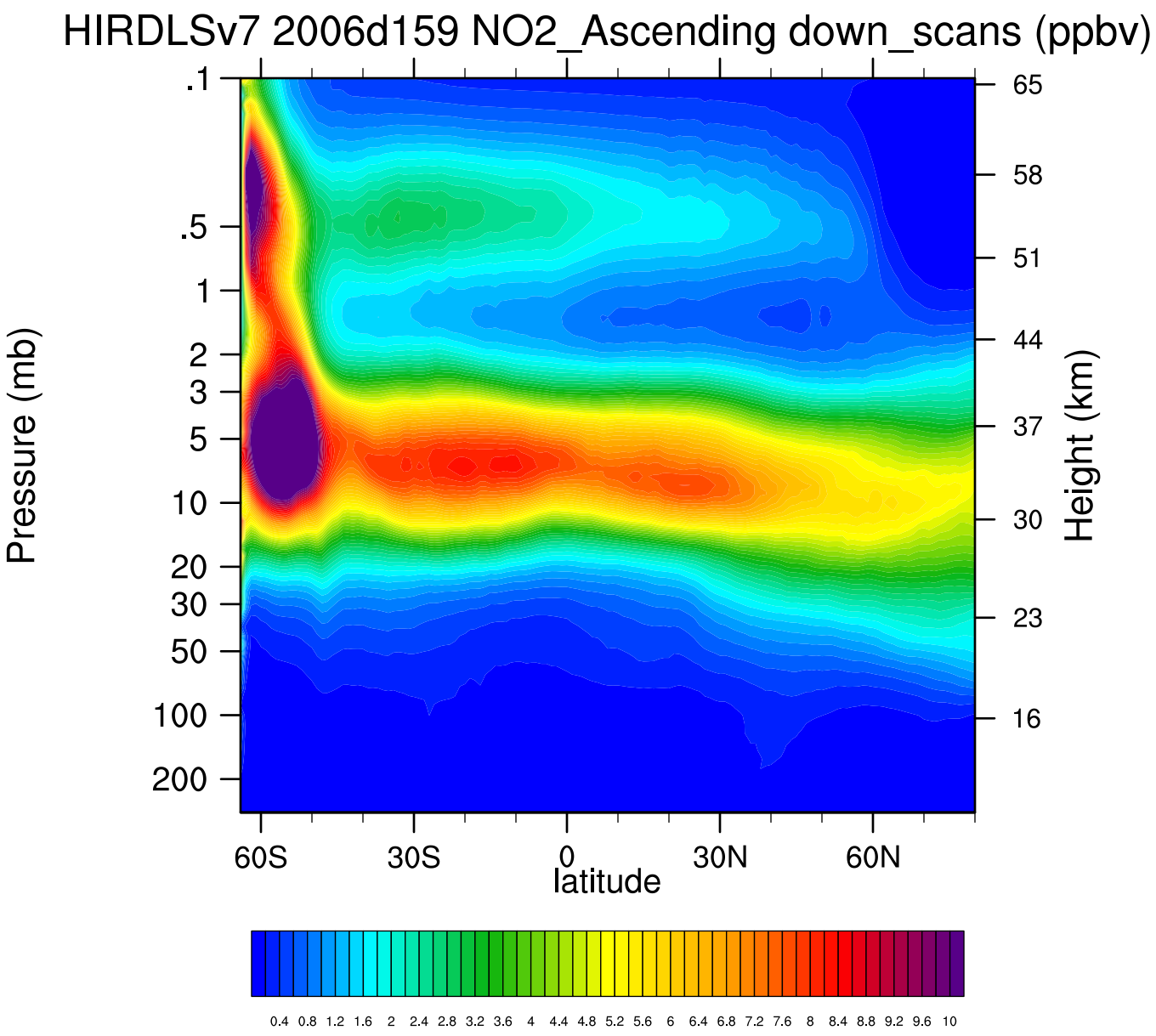
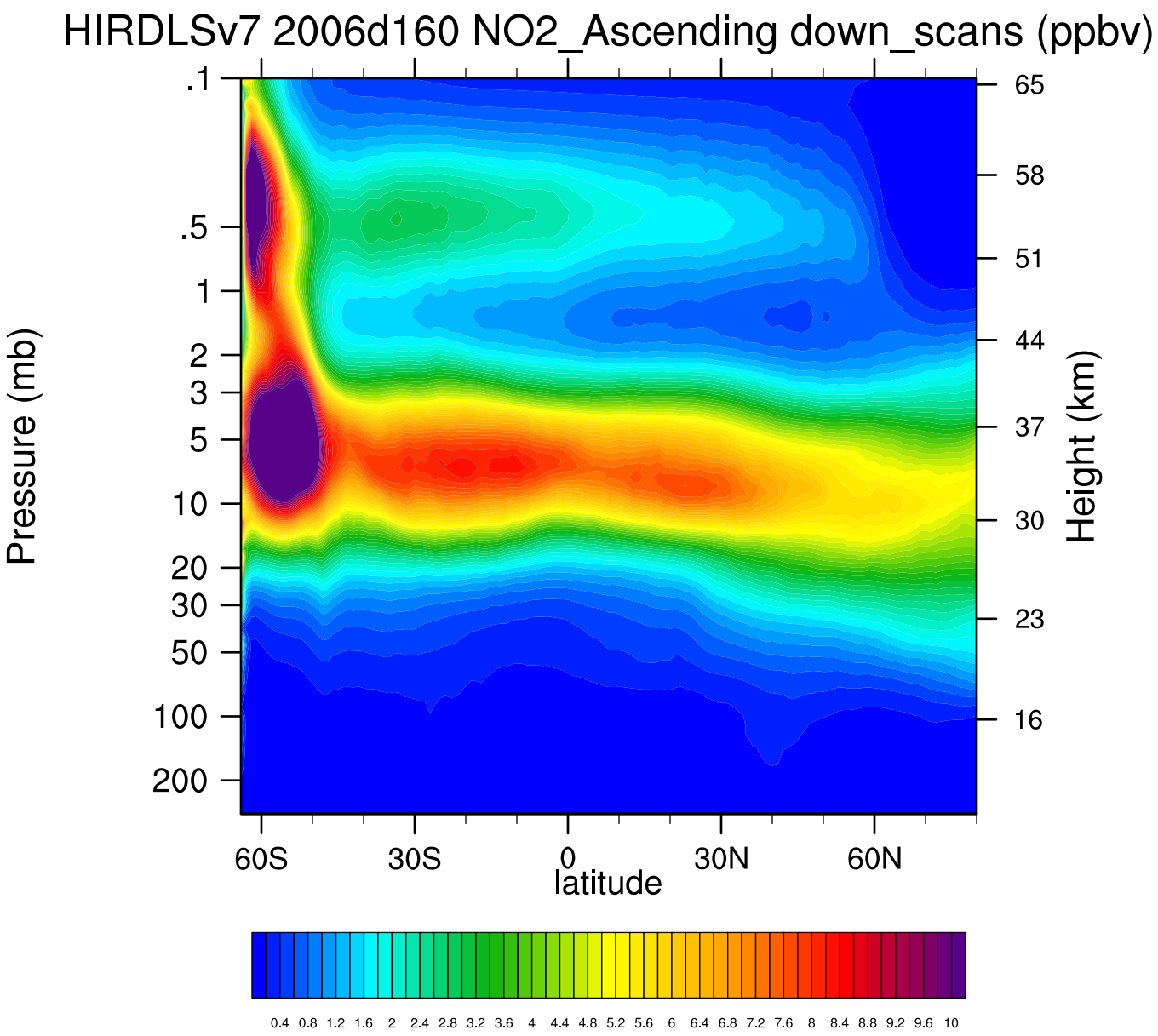
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

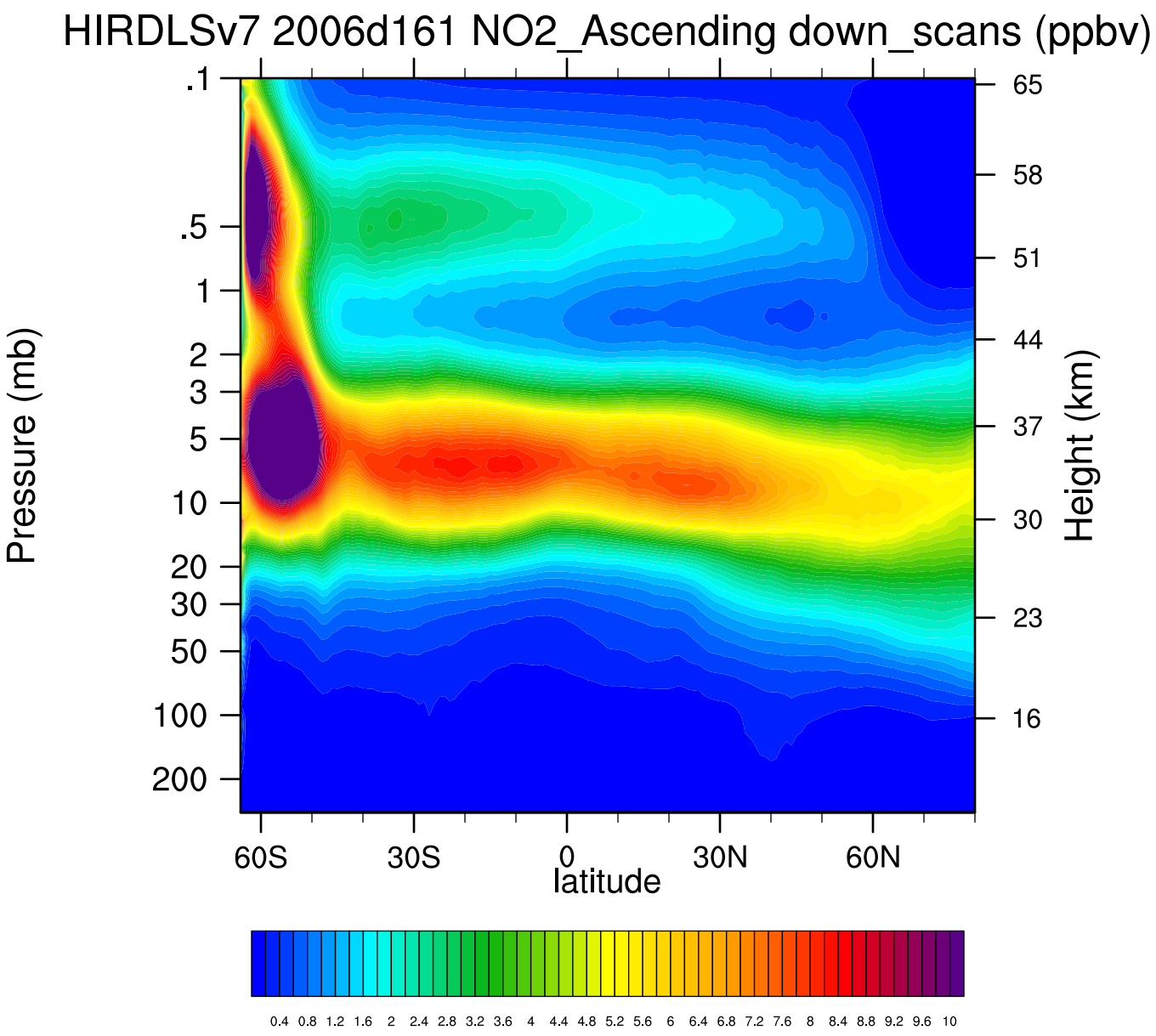

HIRDLSv7 2006d156 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

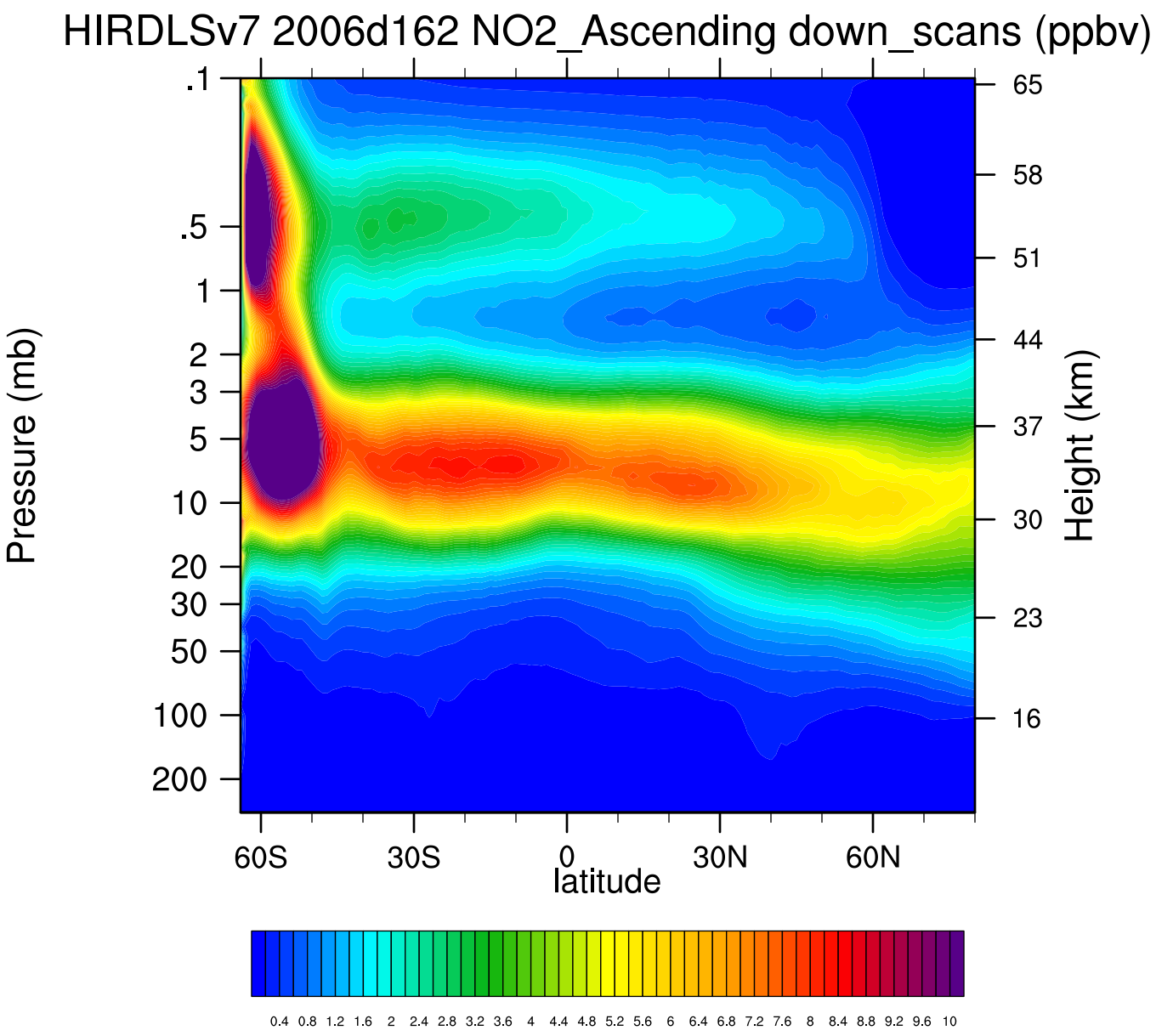

HIRDLSv7 2006d157 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

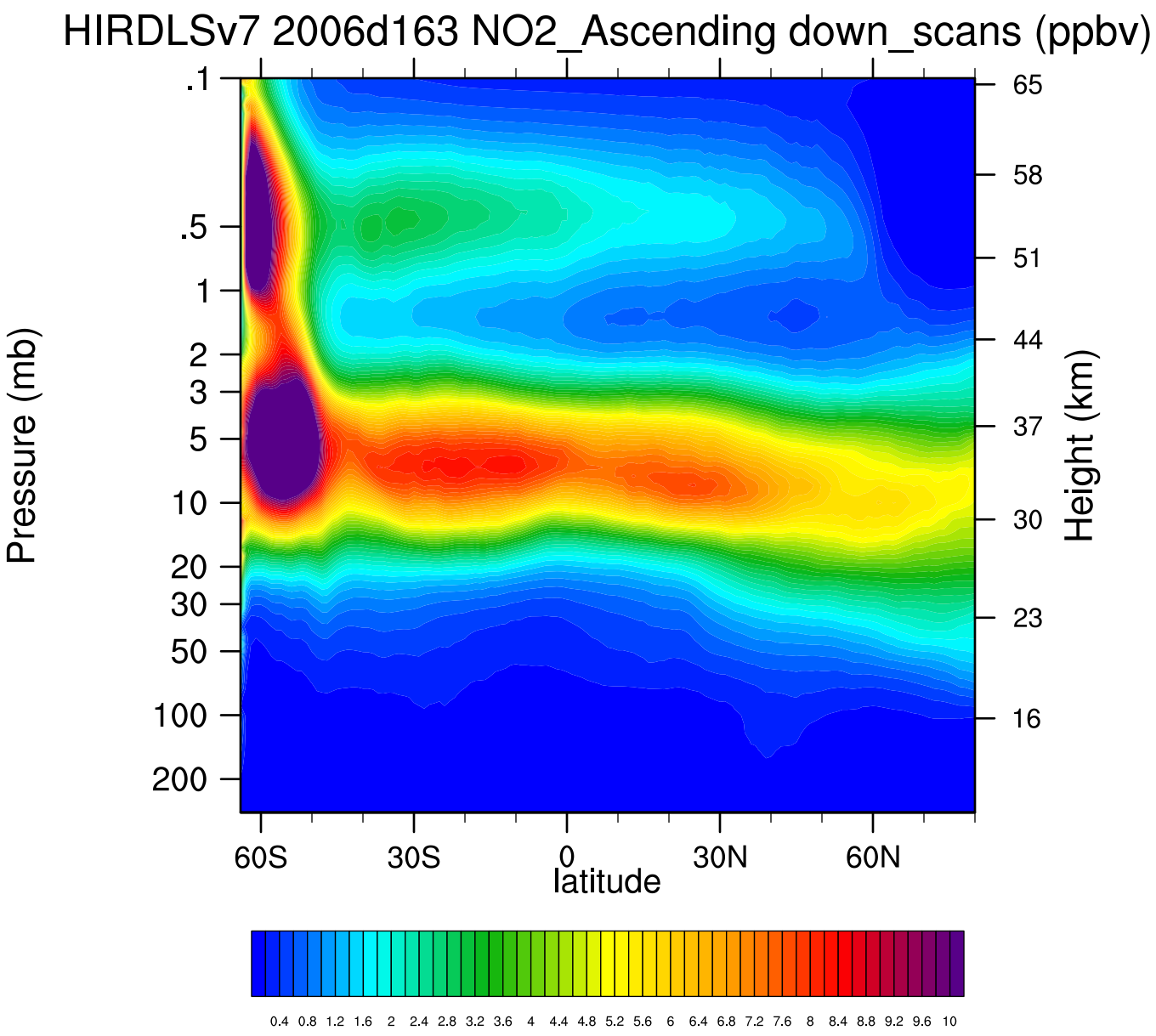

HIRDLSv7 2006d158 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

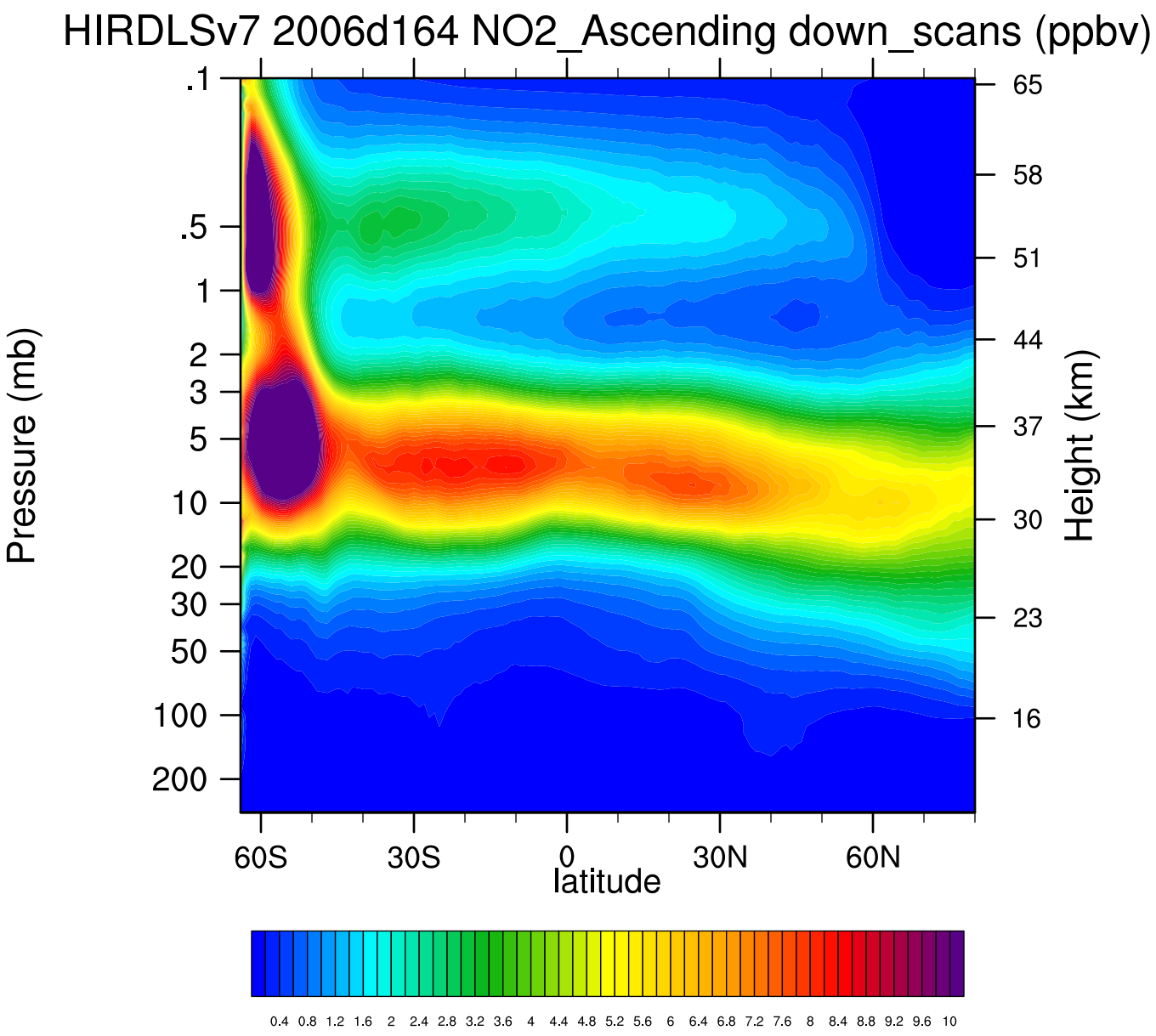

HIRDLSv7 2006d159 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

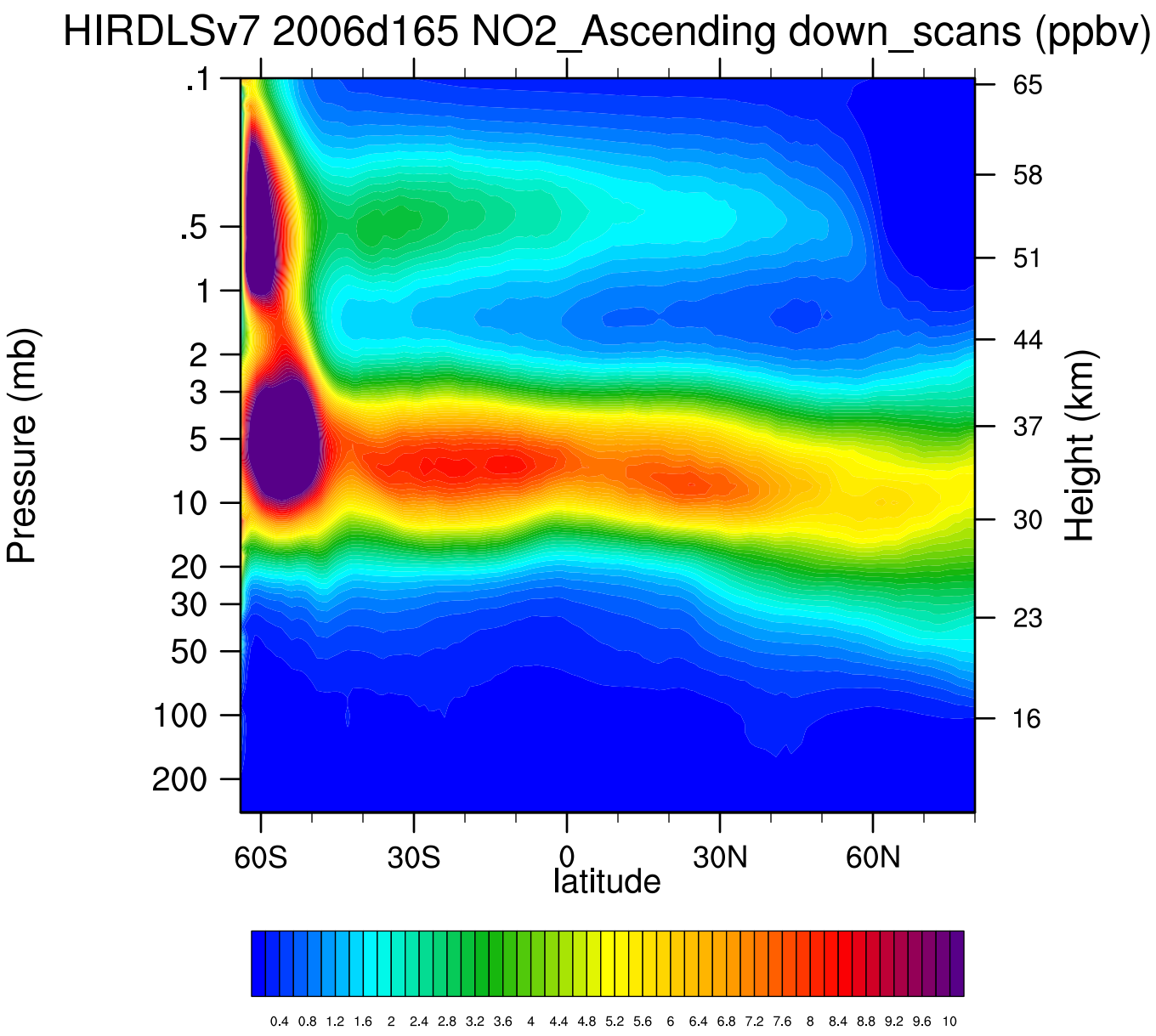

HIRDLSv7 2006d160 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

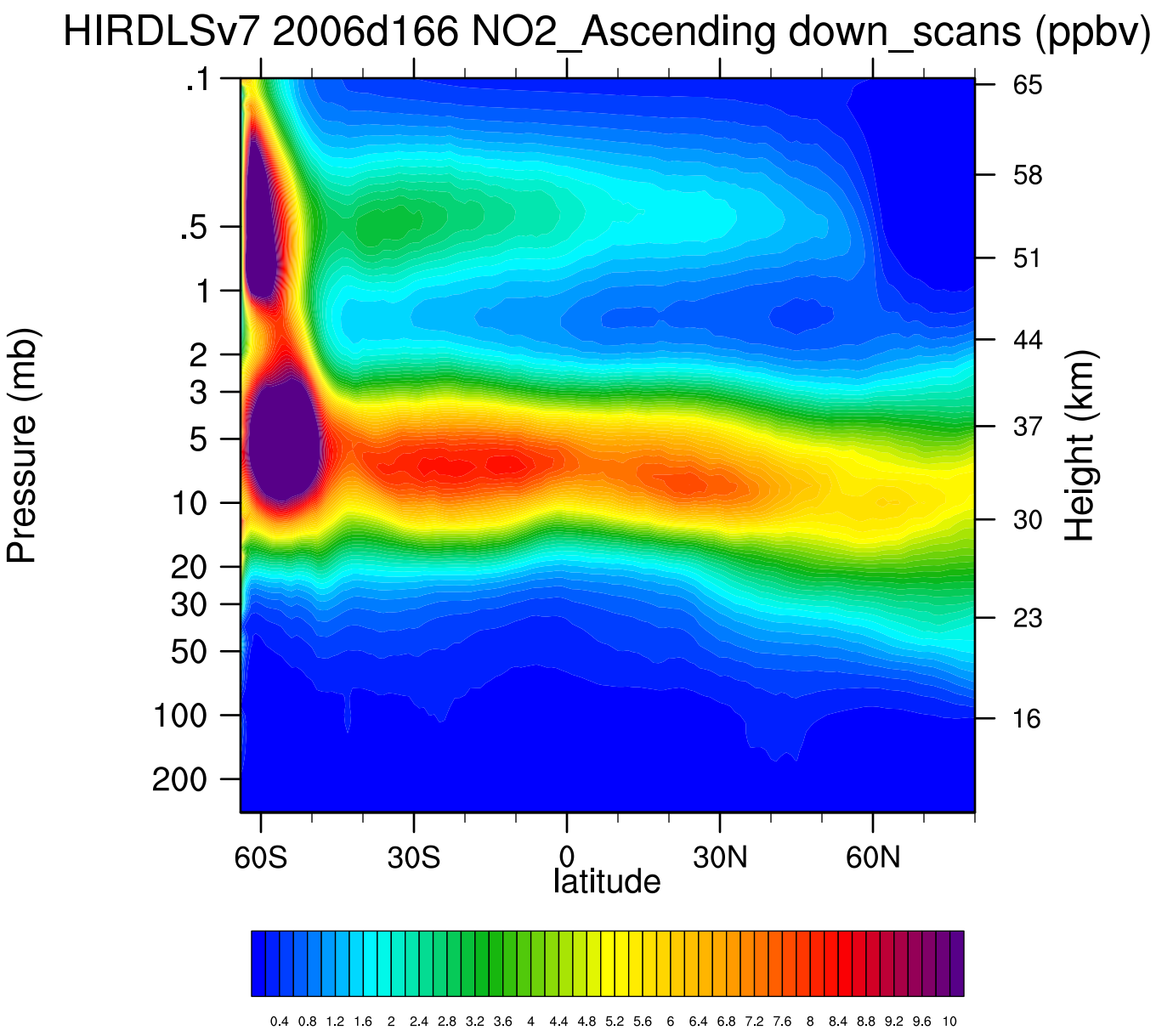

HIRDLSv7 2006d161 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

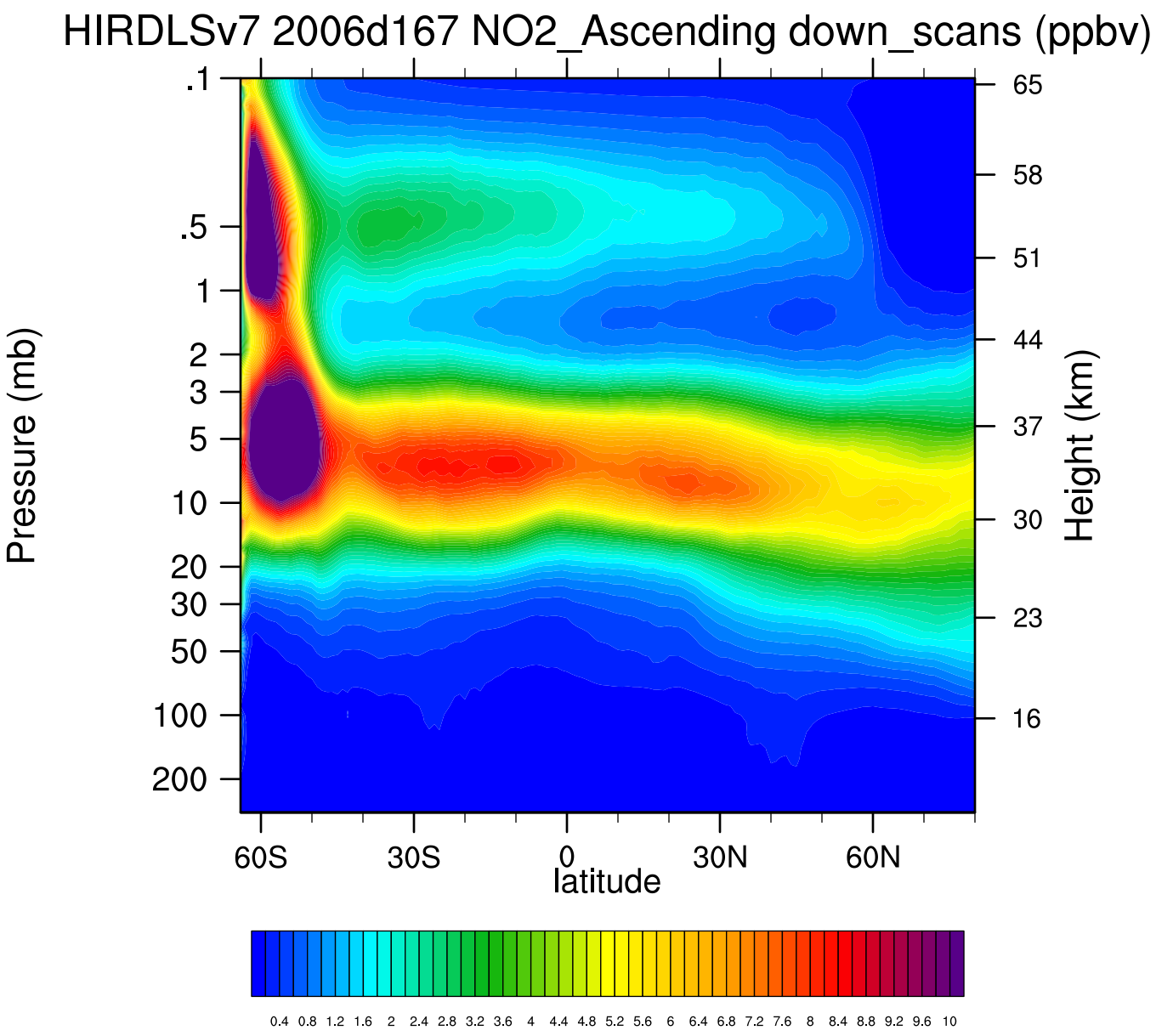

HIRDLSv7 2006d162 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

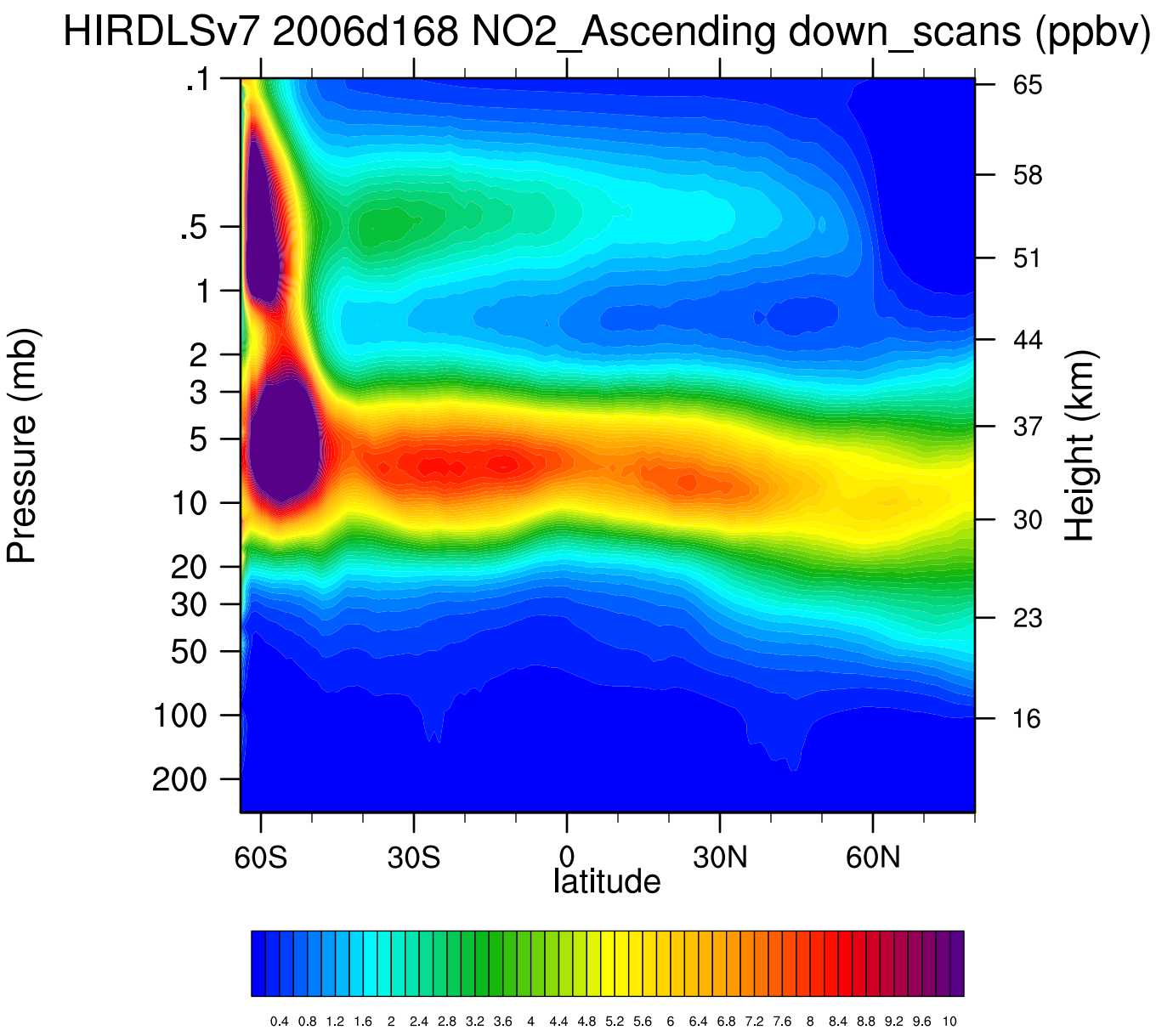

HIRDLSv7 2006d163 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

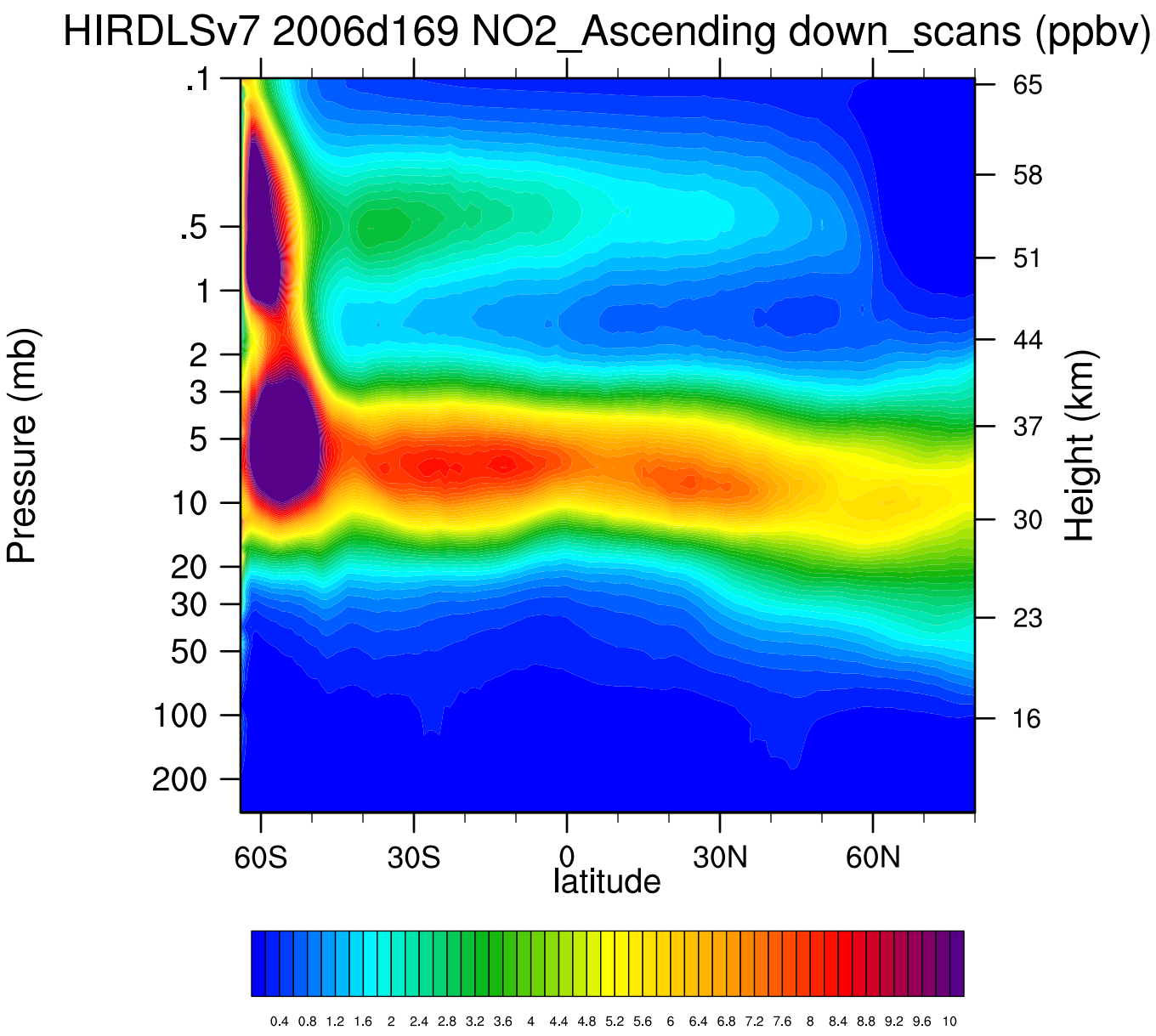

HIRDLSv7 2006d164 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

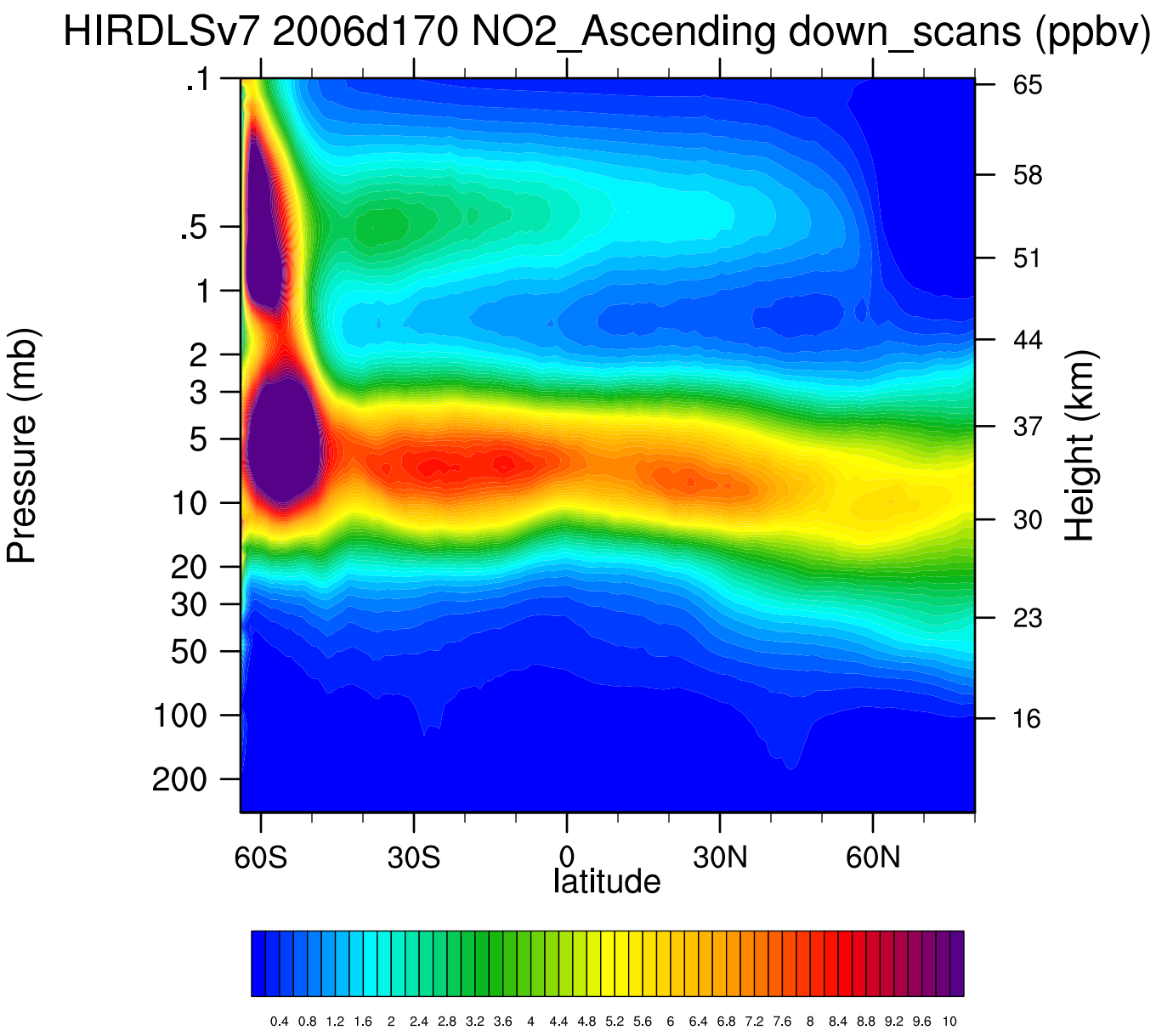

HIRDLSv7 2006d165 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

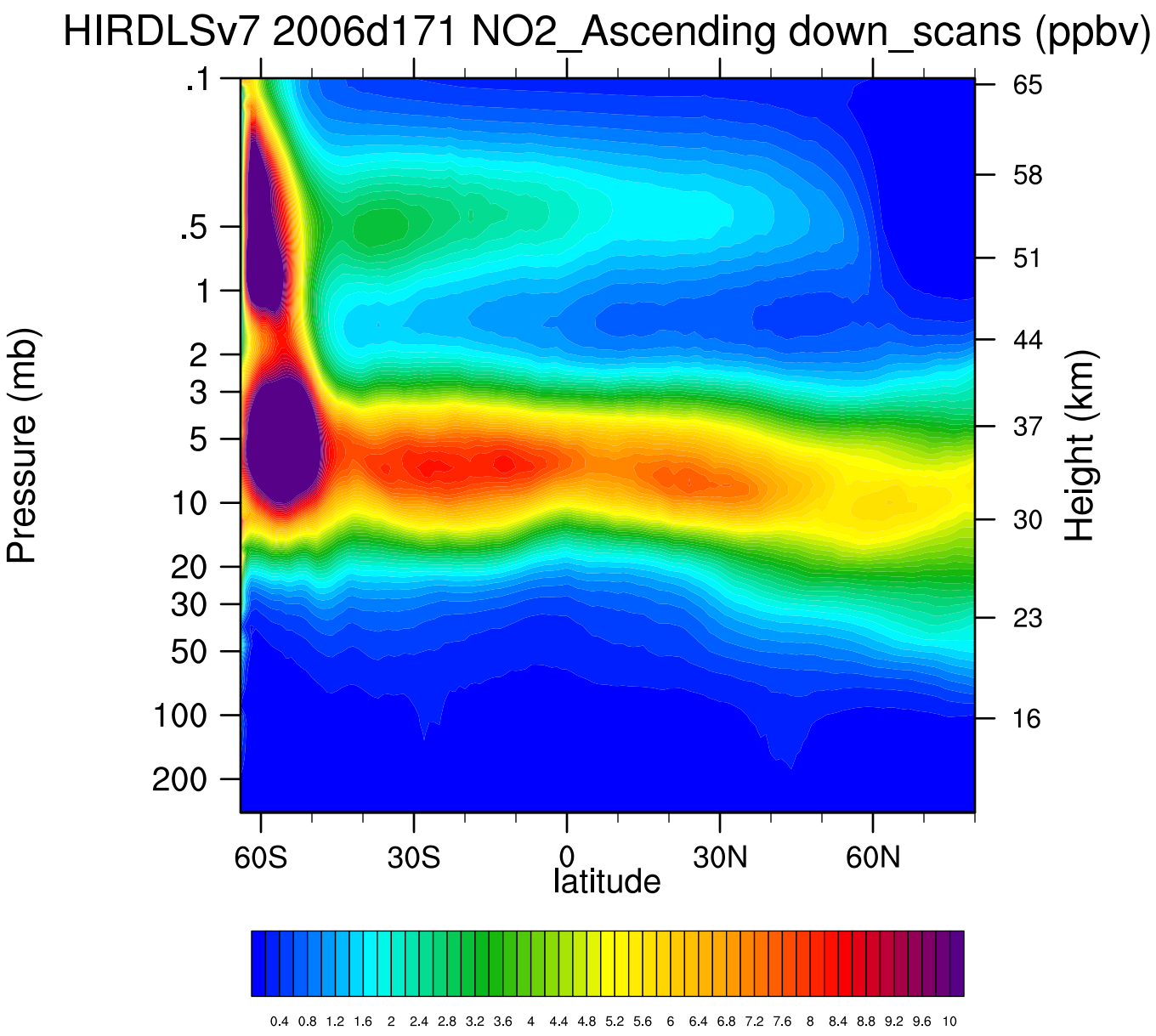

HIRDLSv7 2006d166 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

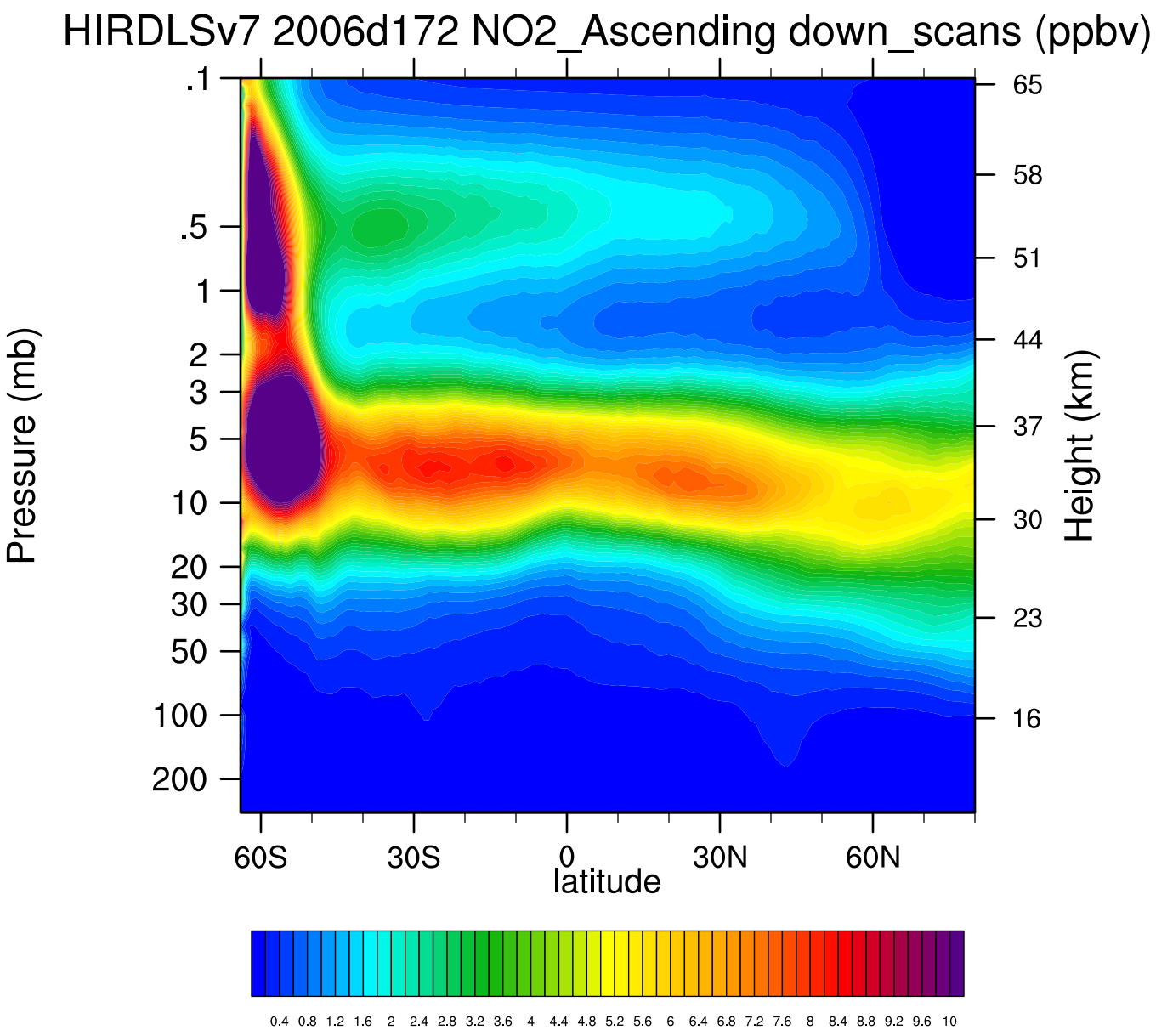

HIRDLSv7 2006d167 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

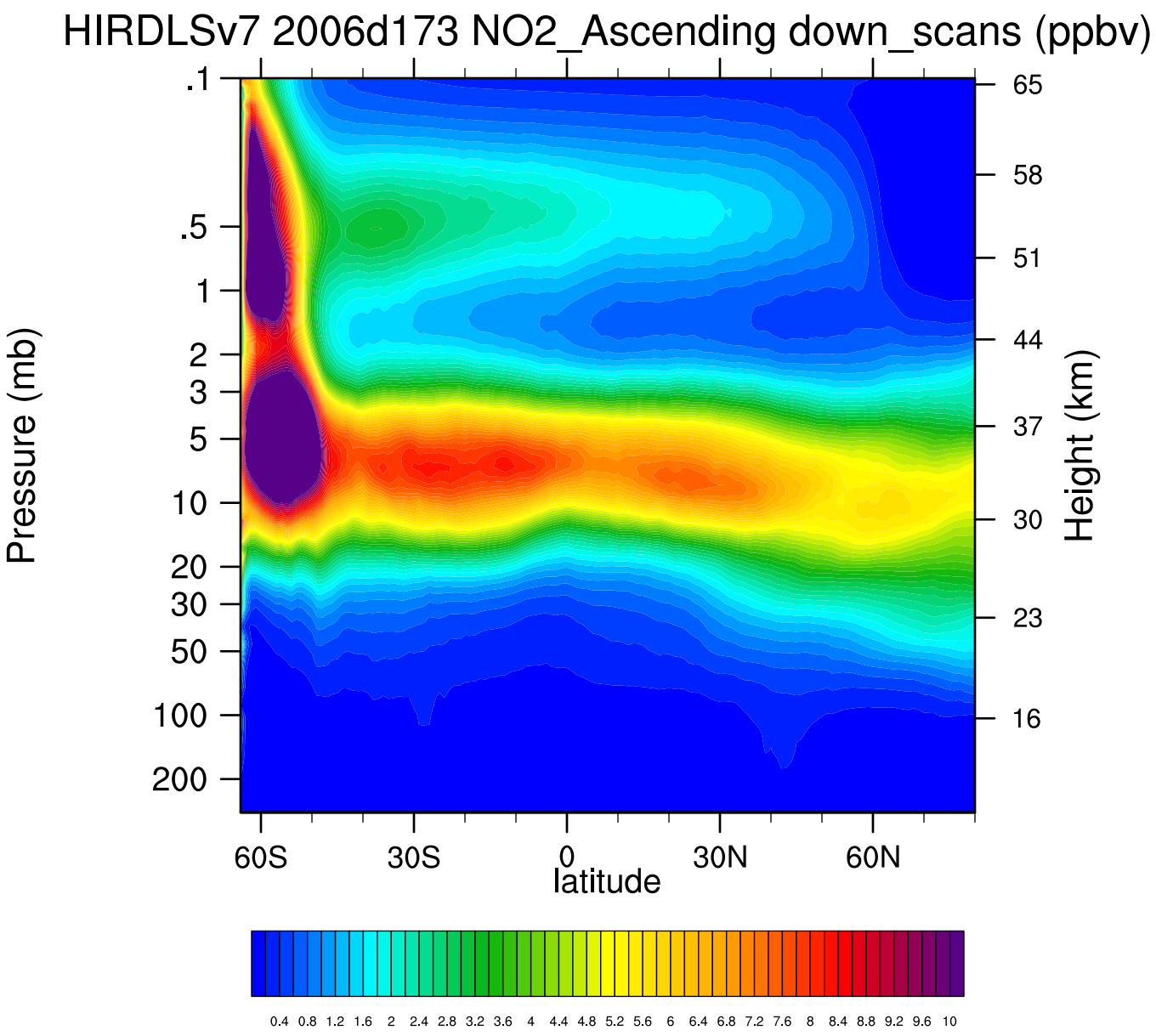

HIRDLSv7 2006d168 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

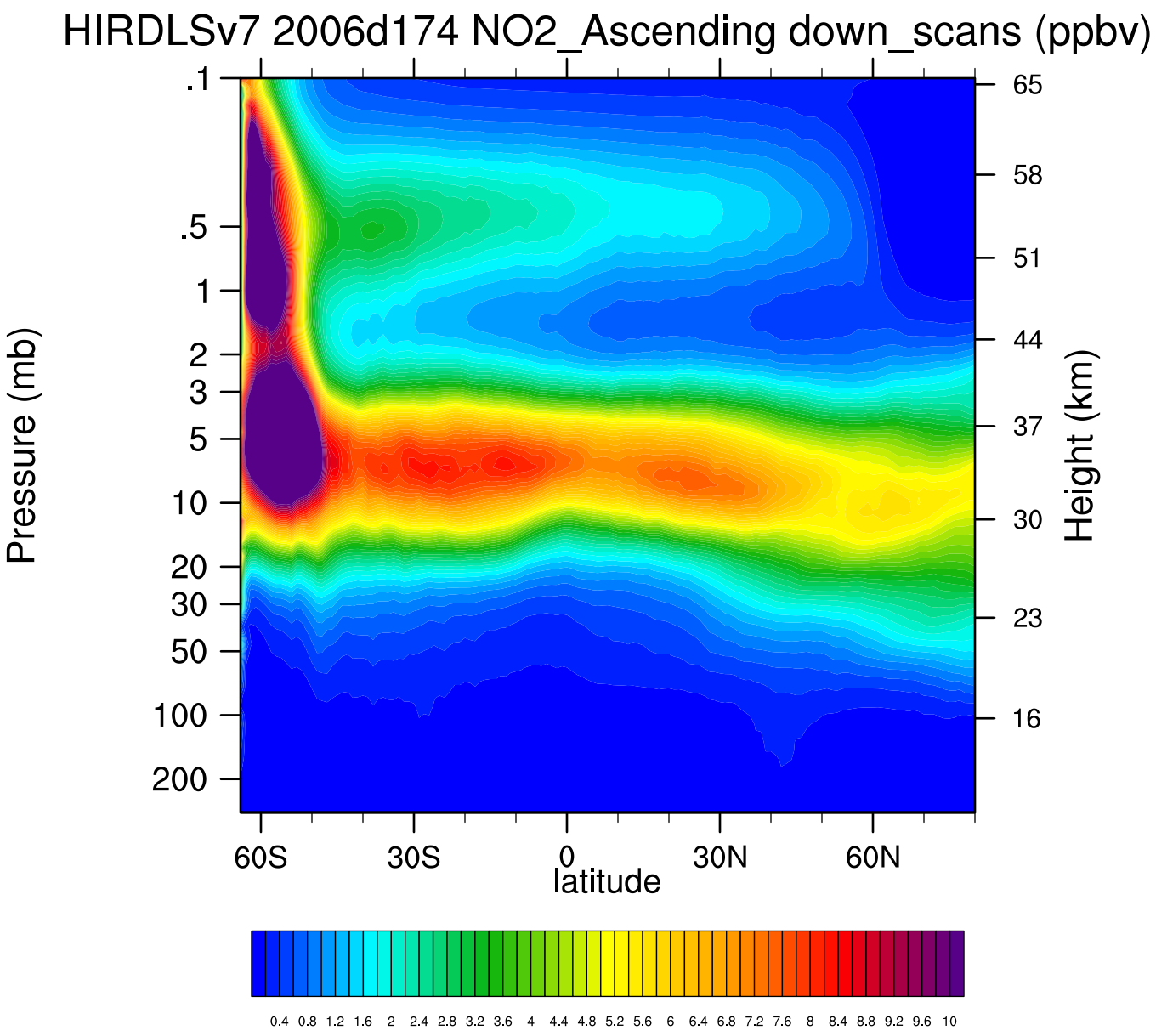

HIRDLSv7 2006d169 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

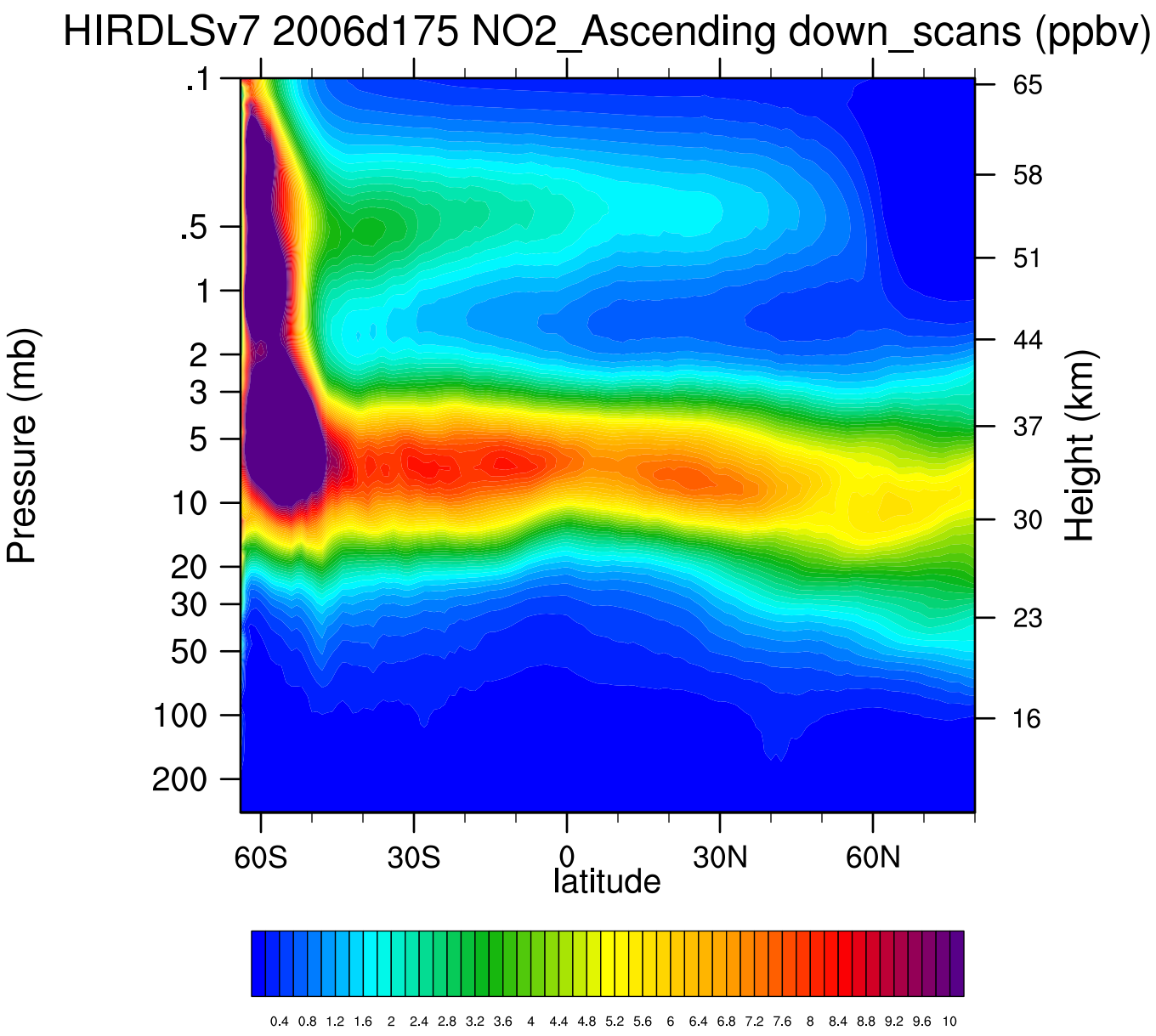

HIRDLSv7 2006d170 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

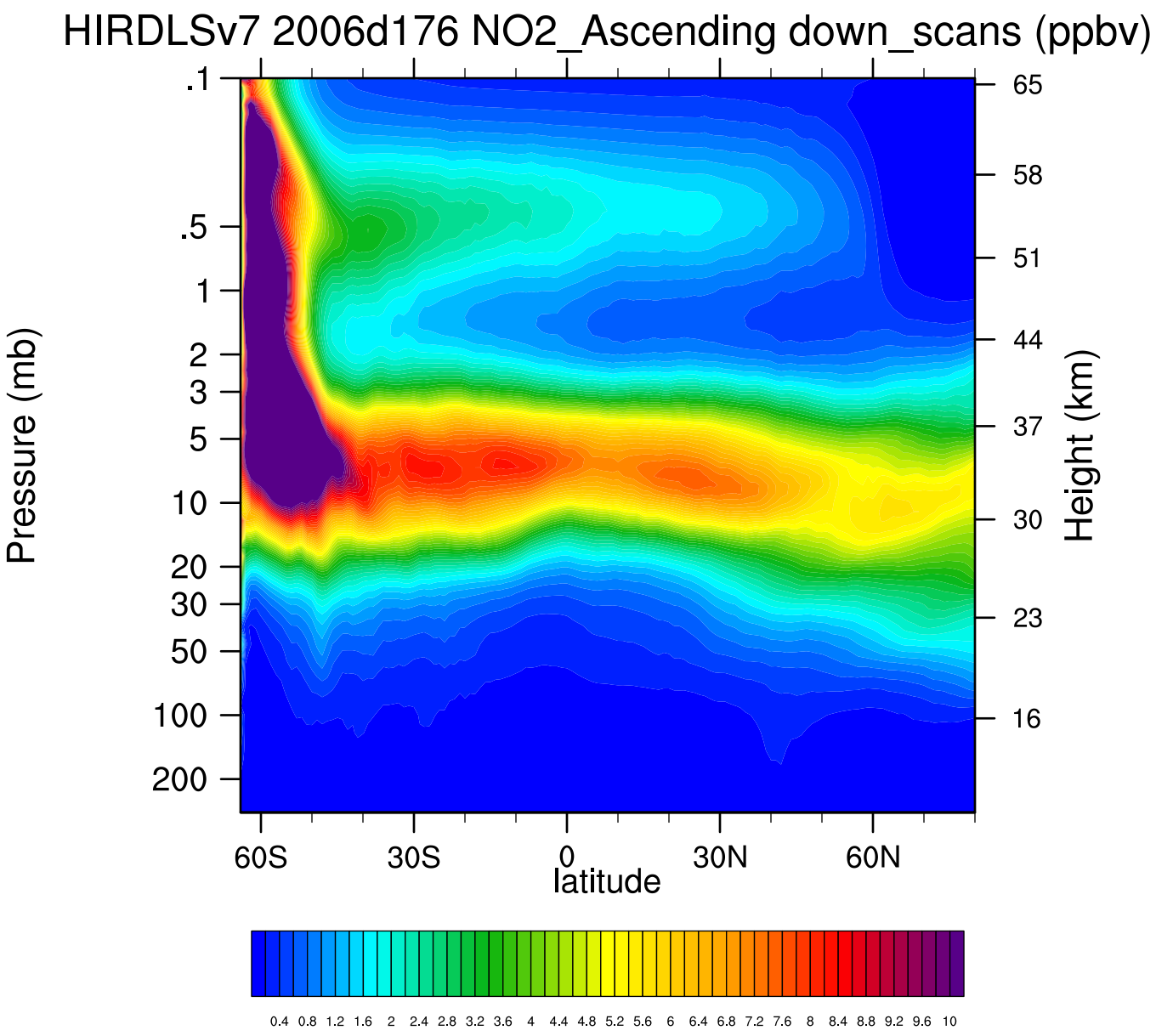

HIRDLSv7 2006d171 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

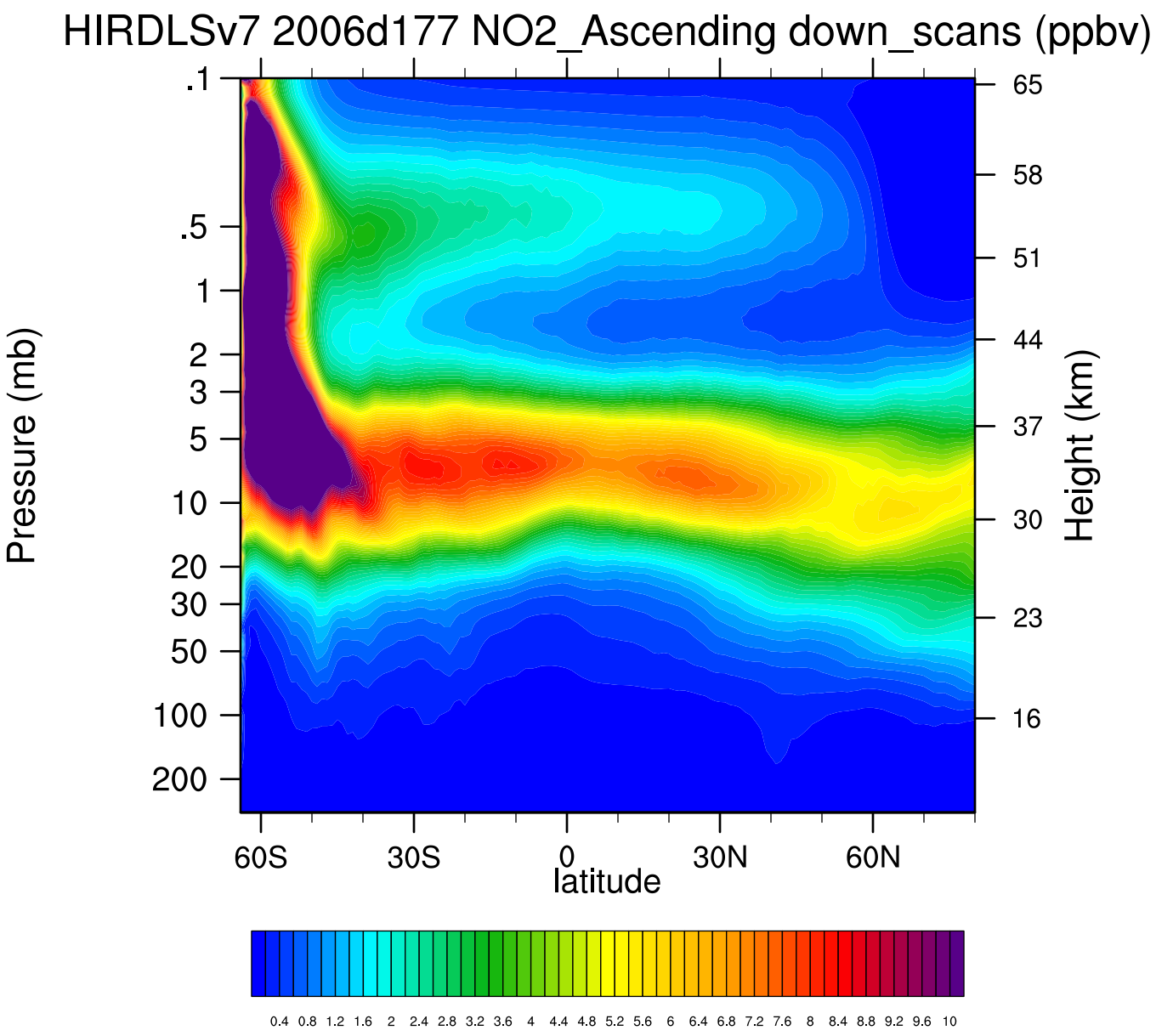

HIRDLSv7 2006d172 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

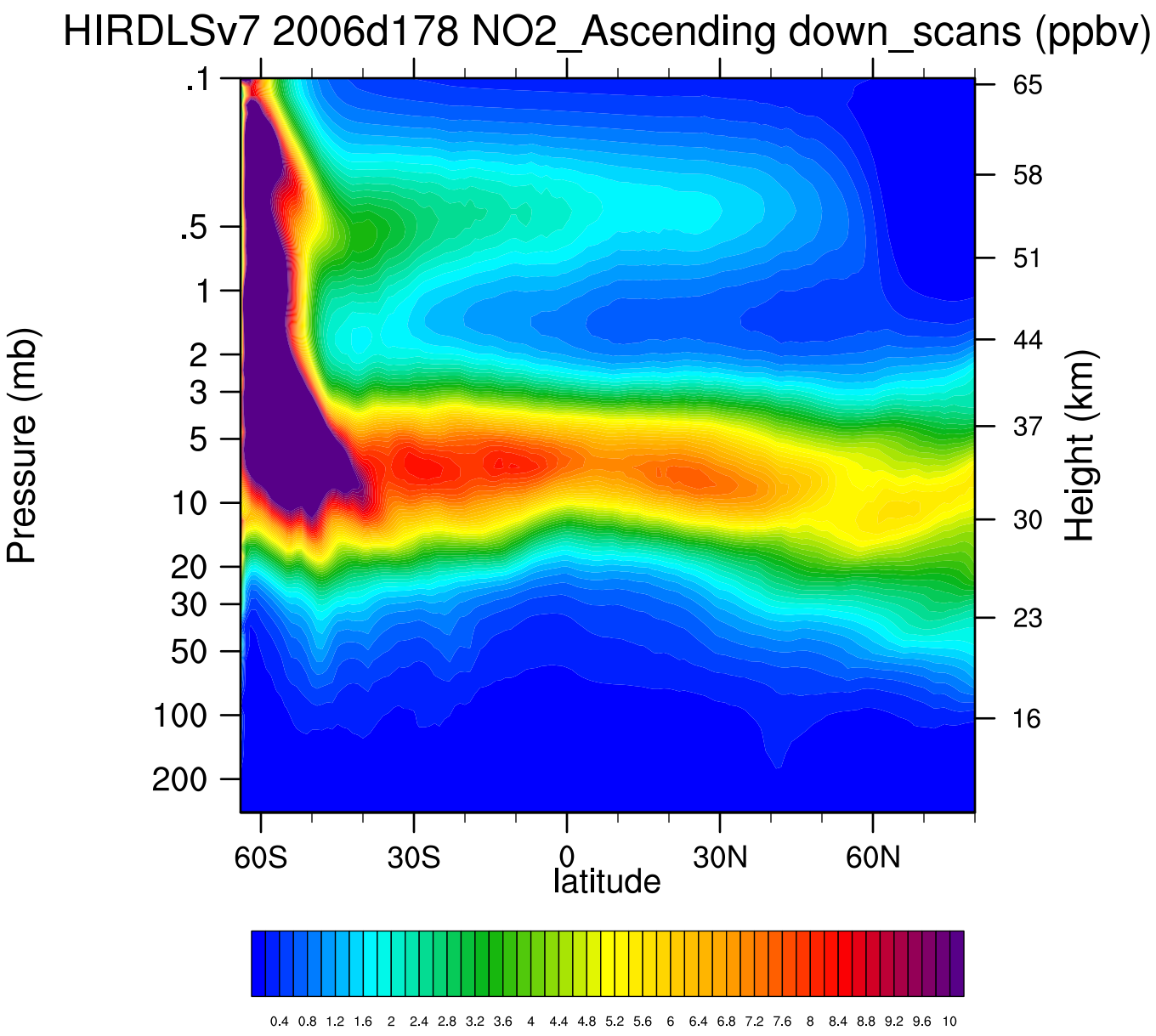

HIRDLSv7 2006d173 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

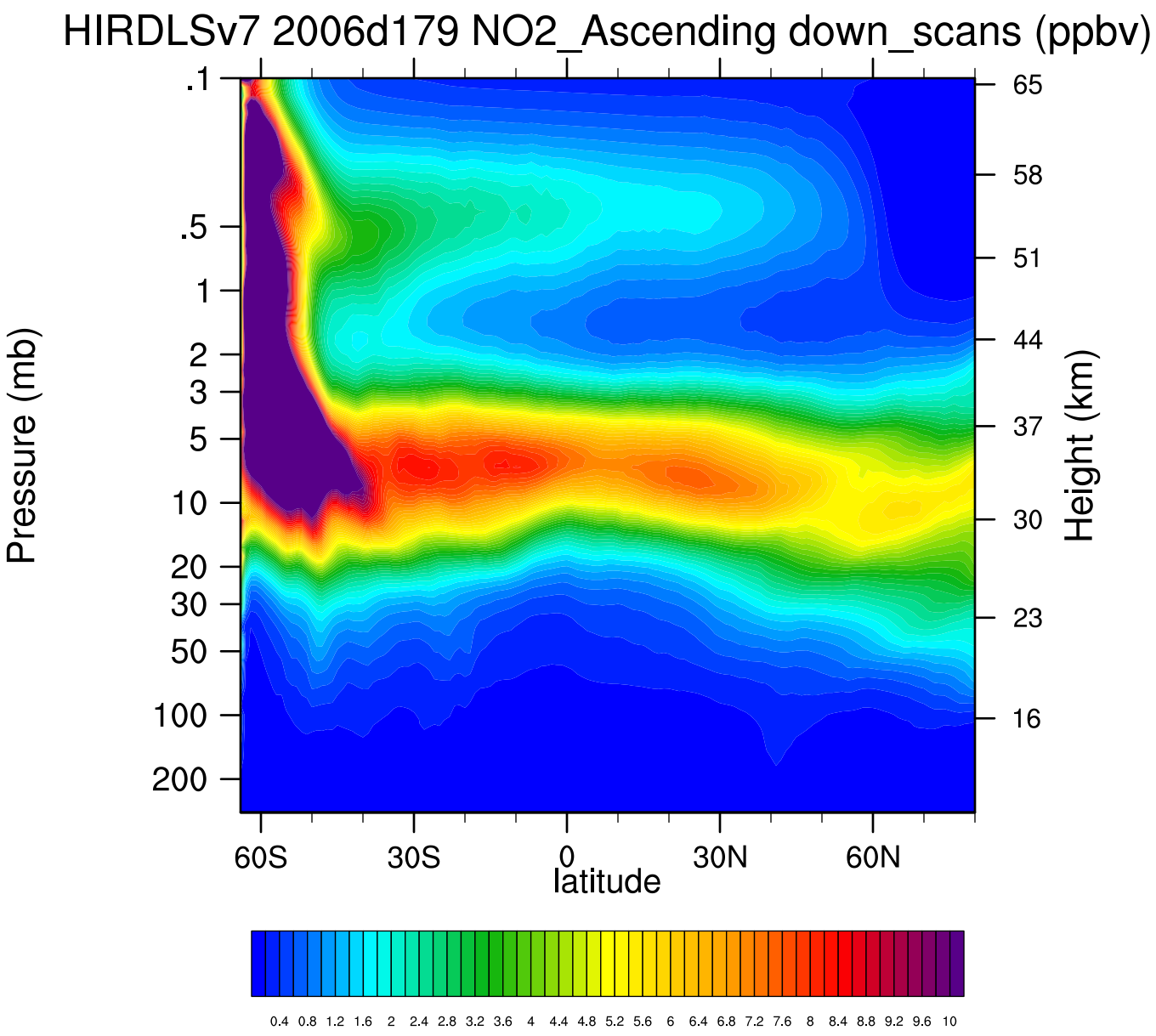

HIRDLSv7 2006d174 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

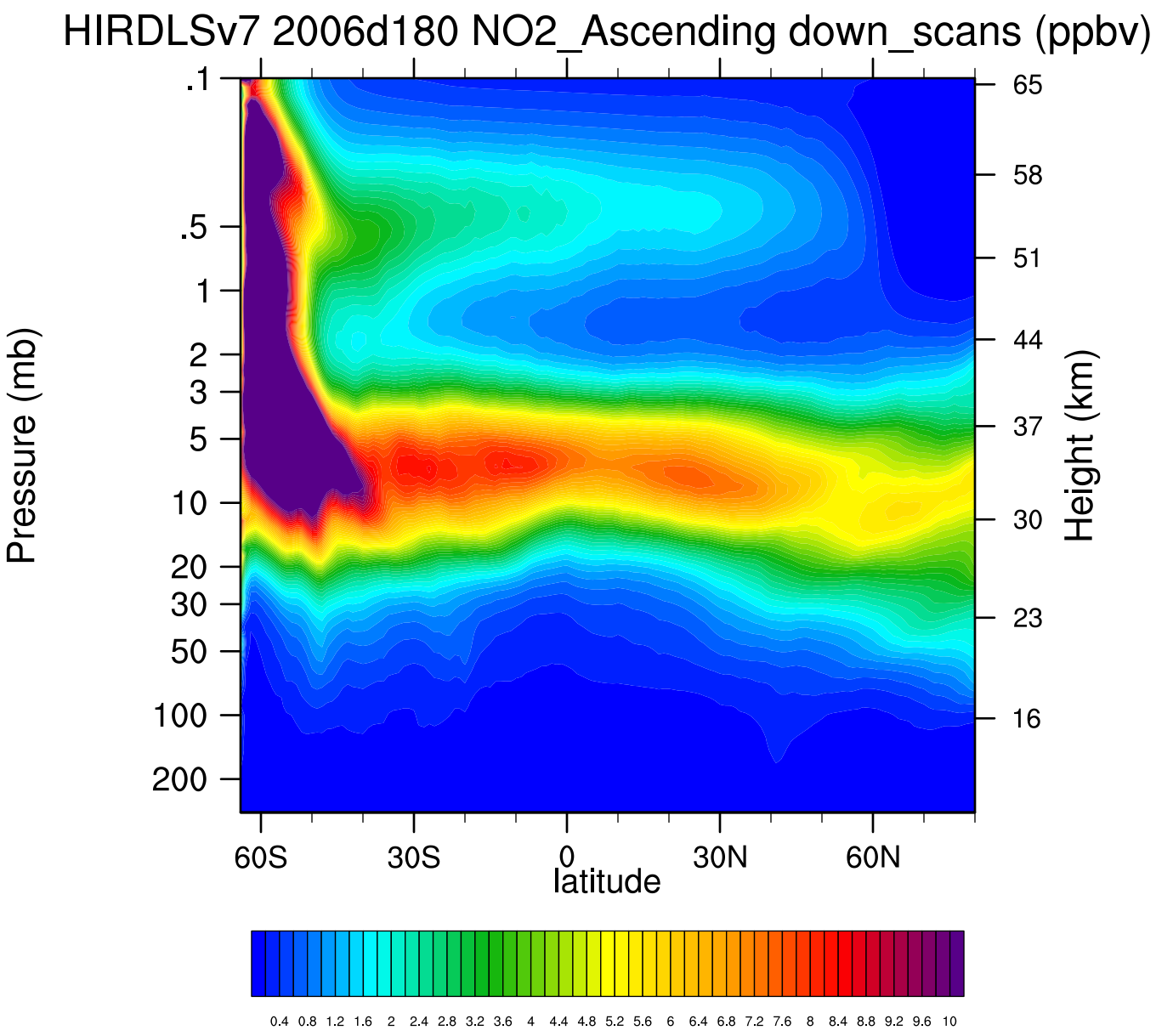

HIRDLSv7 2006d175 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

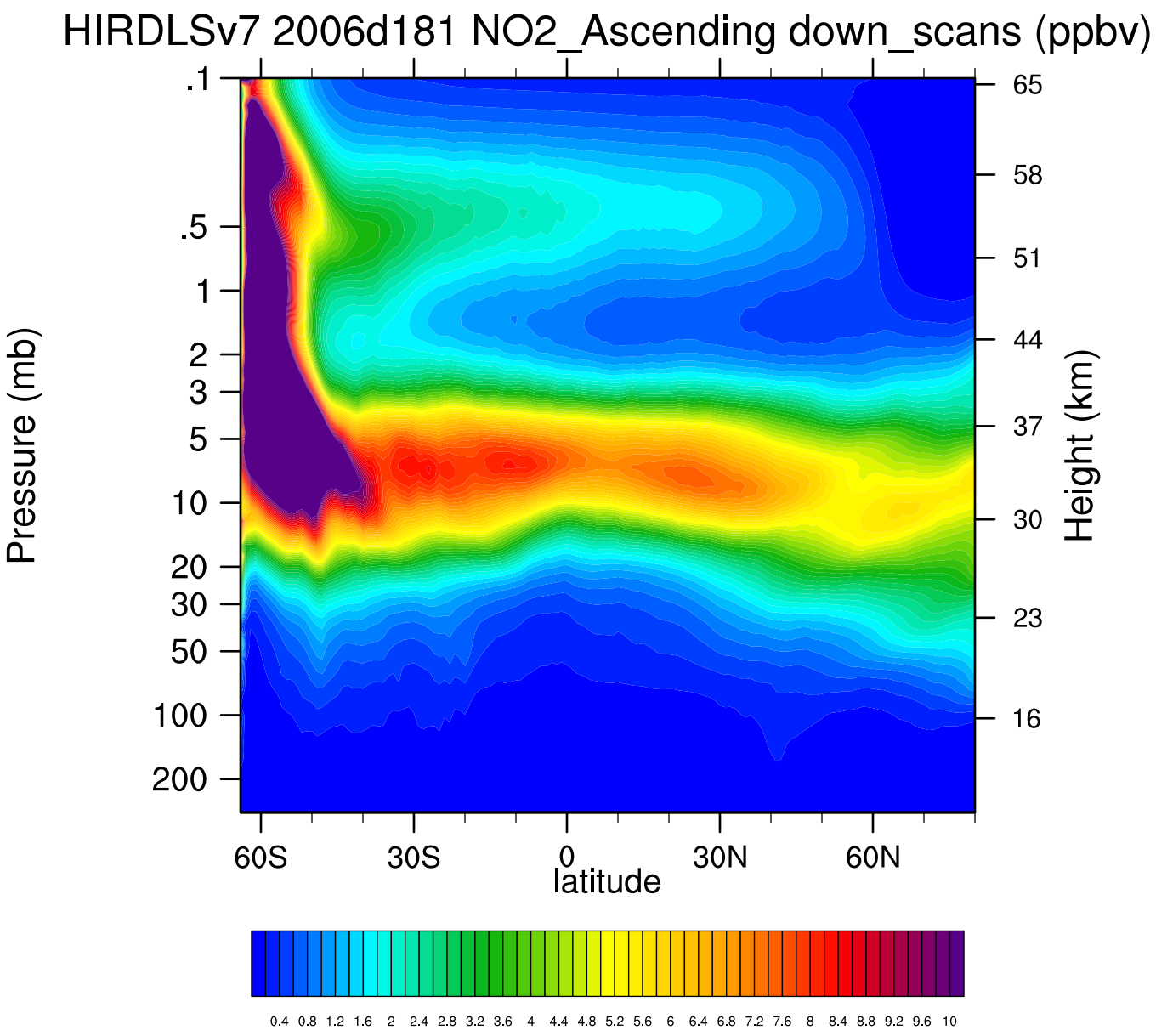

HIRDLSv7 2006d176 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

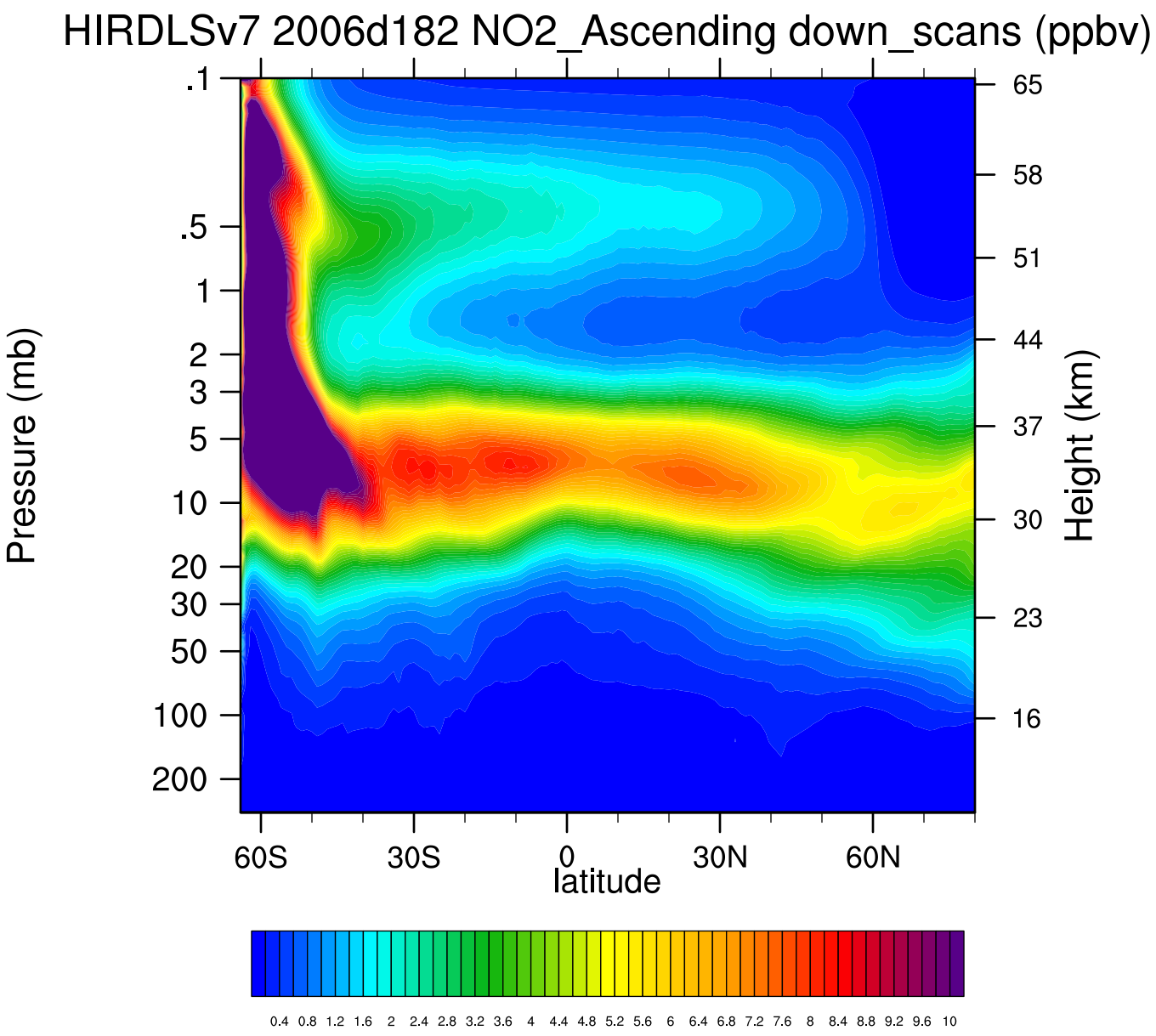

HIRDLSv7 2006d177 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

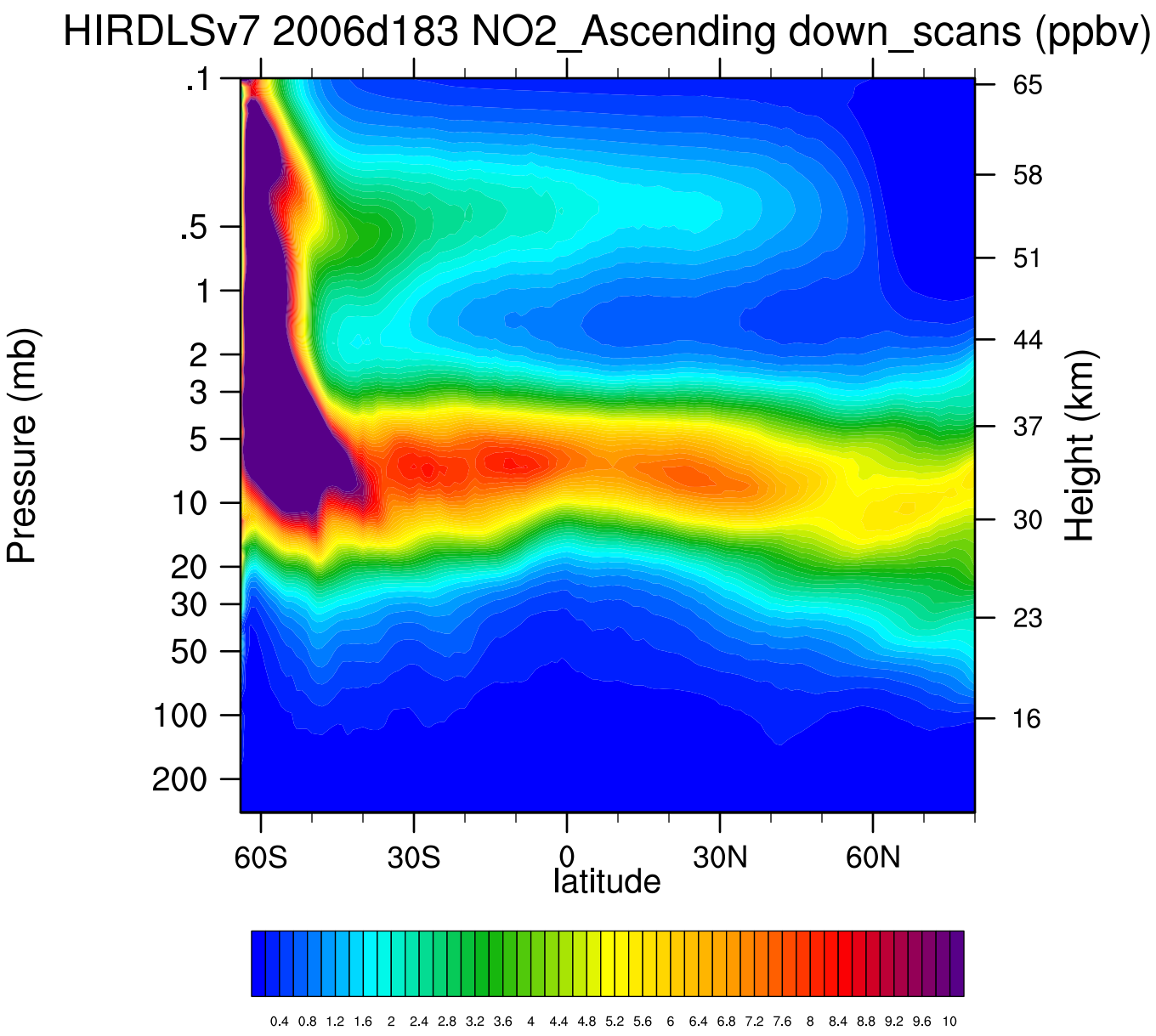

HIRDLSv7 2006d178 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

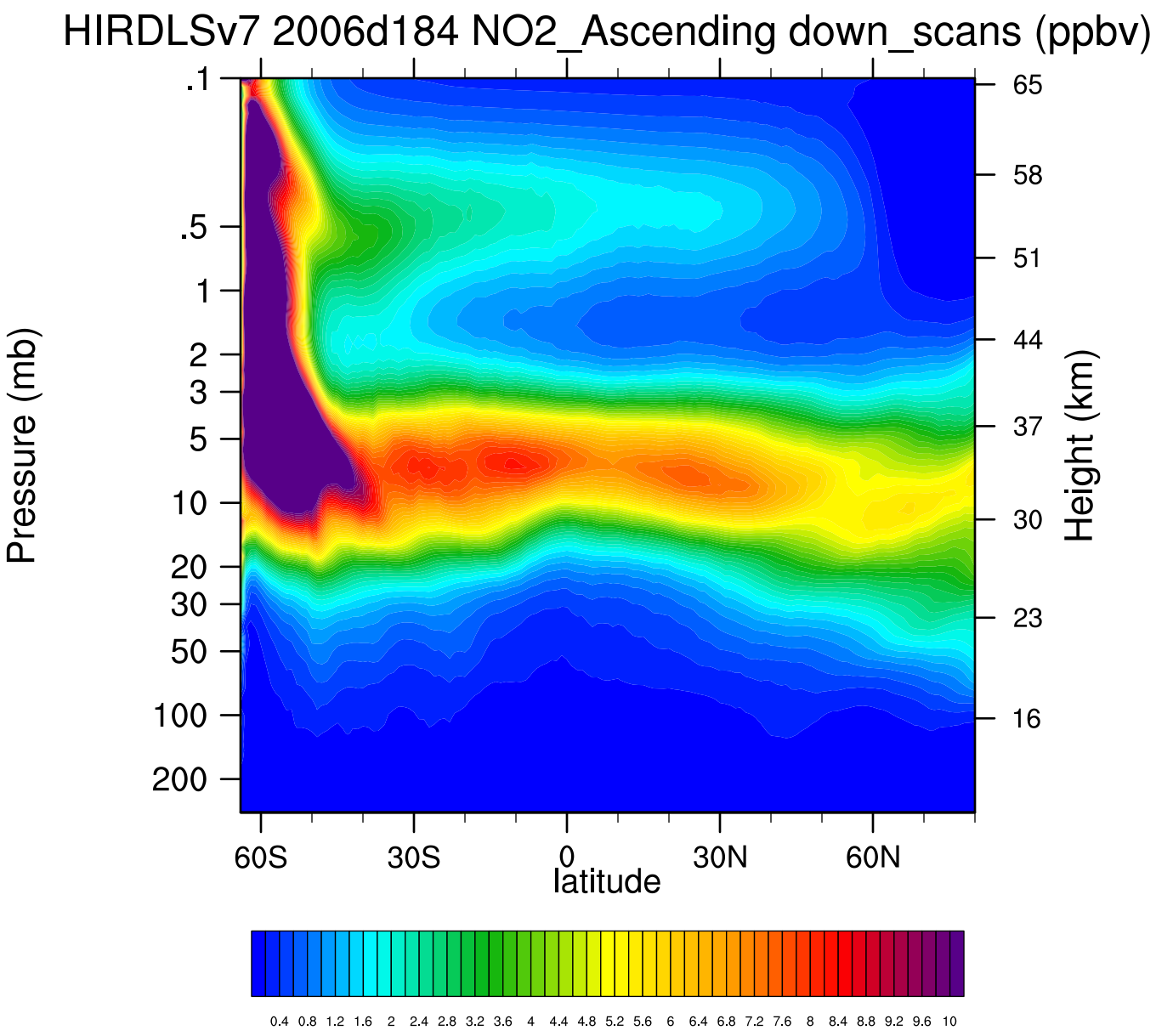

HIRDLSv7 2006d179 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

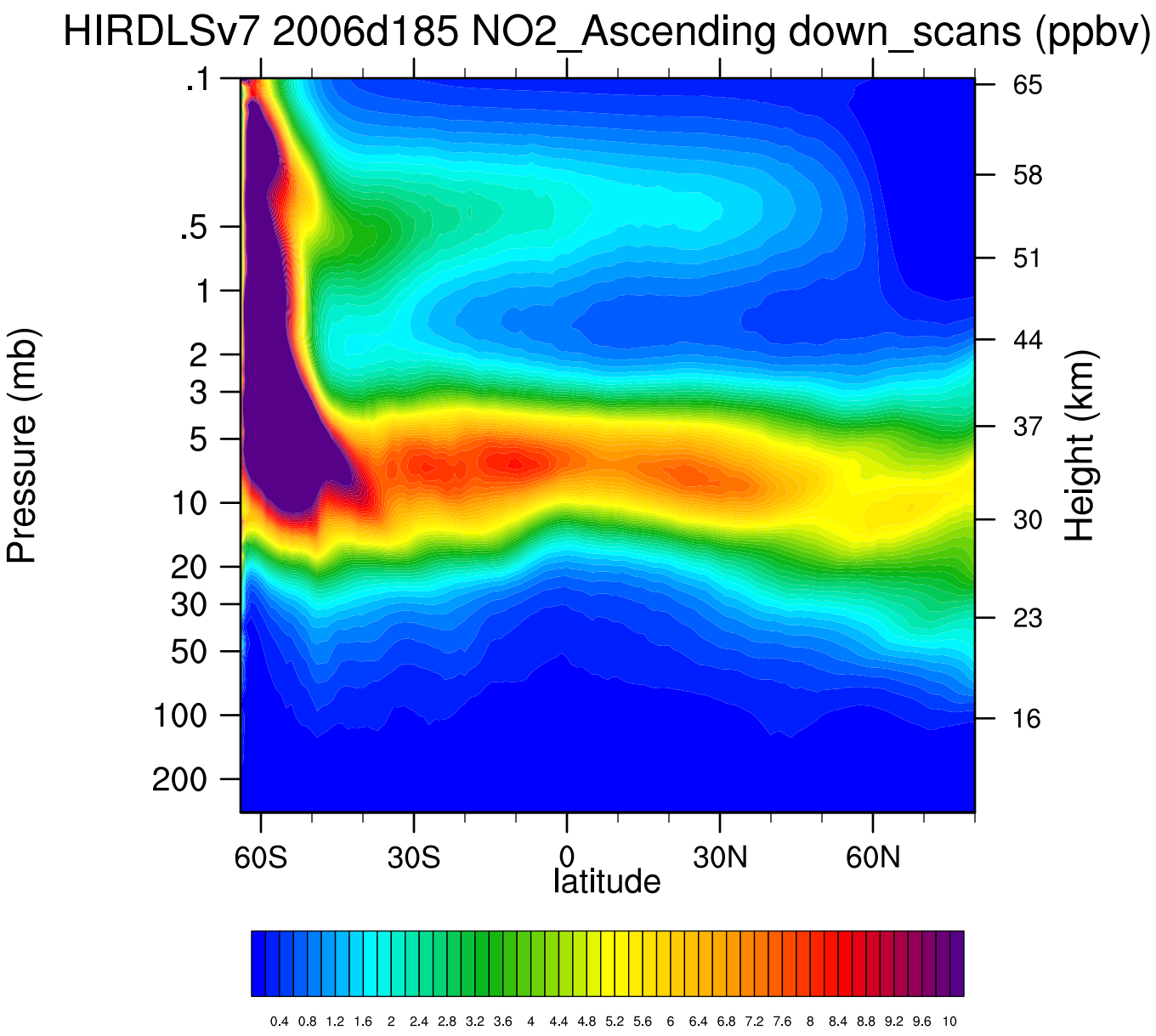

HIRDLSv7 2006d180 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

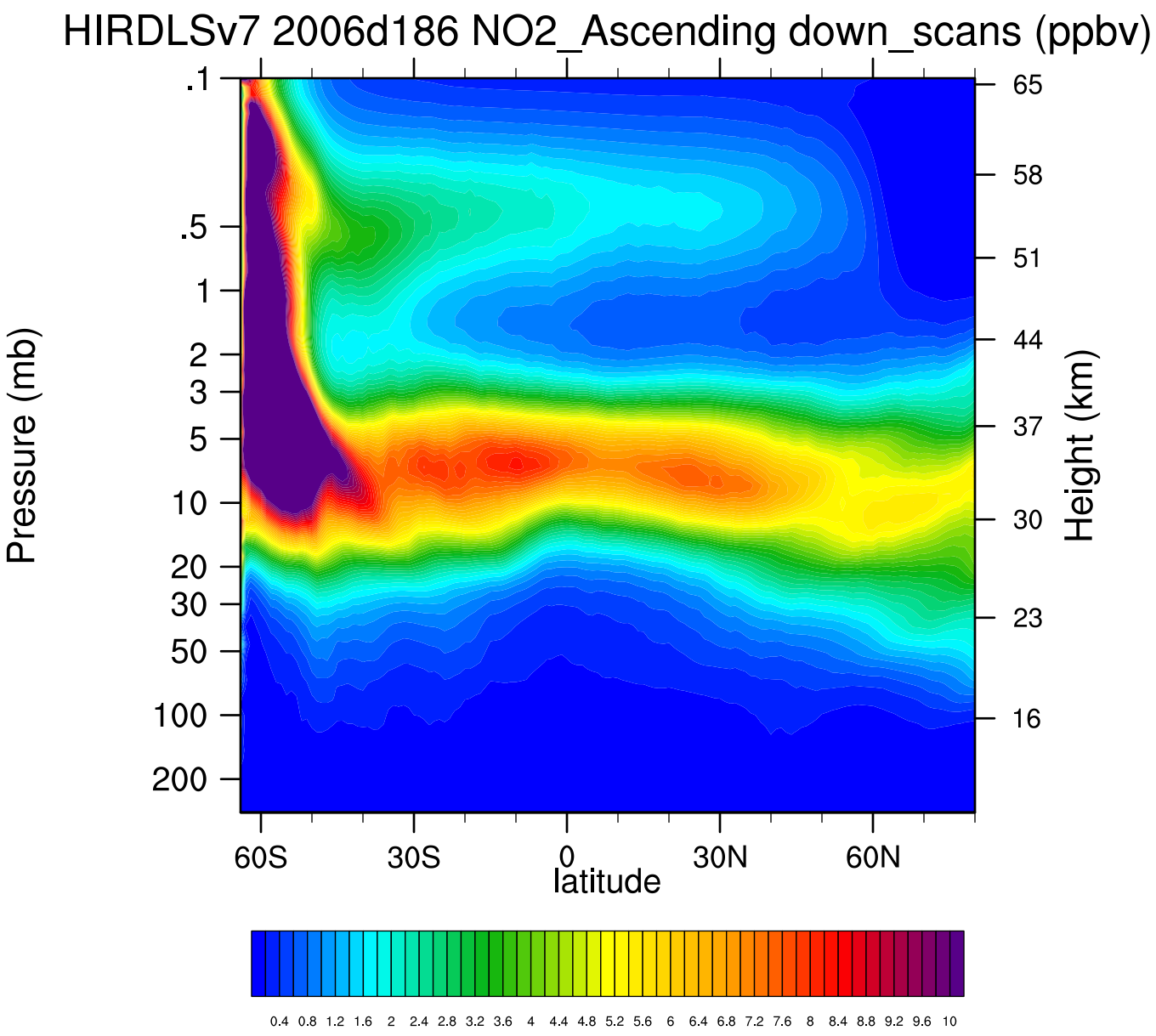

HIRDLSv7 2006d181 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

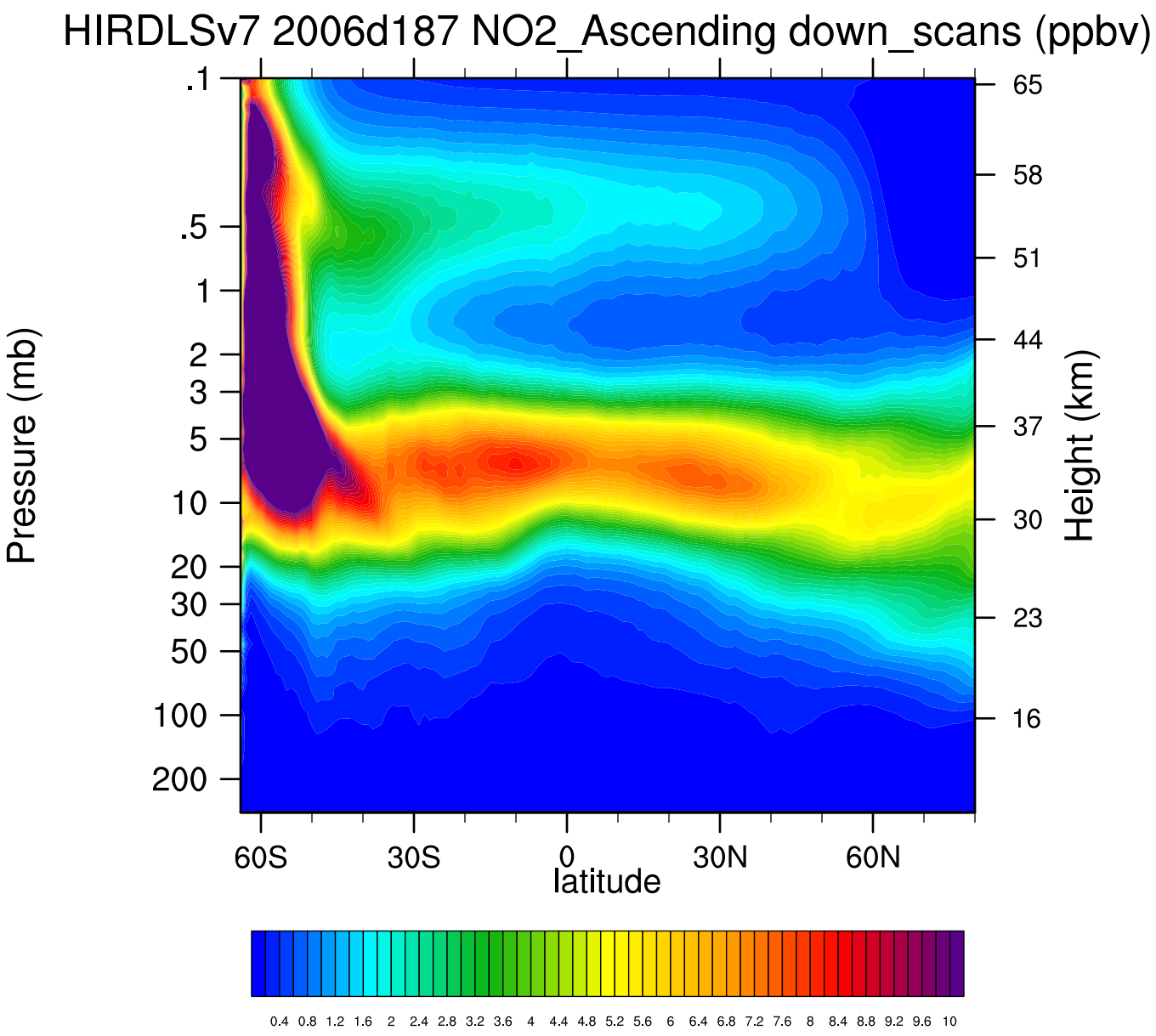

HIRDLSv7 2006d182 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

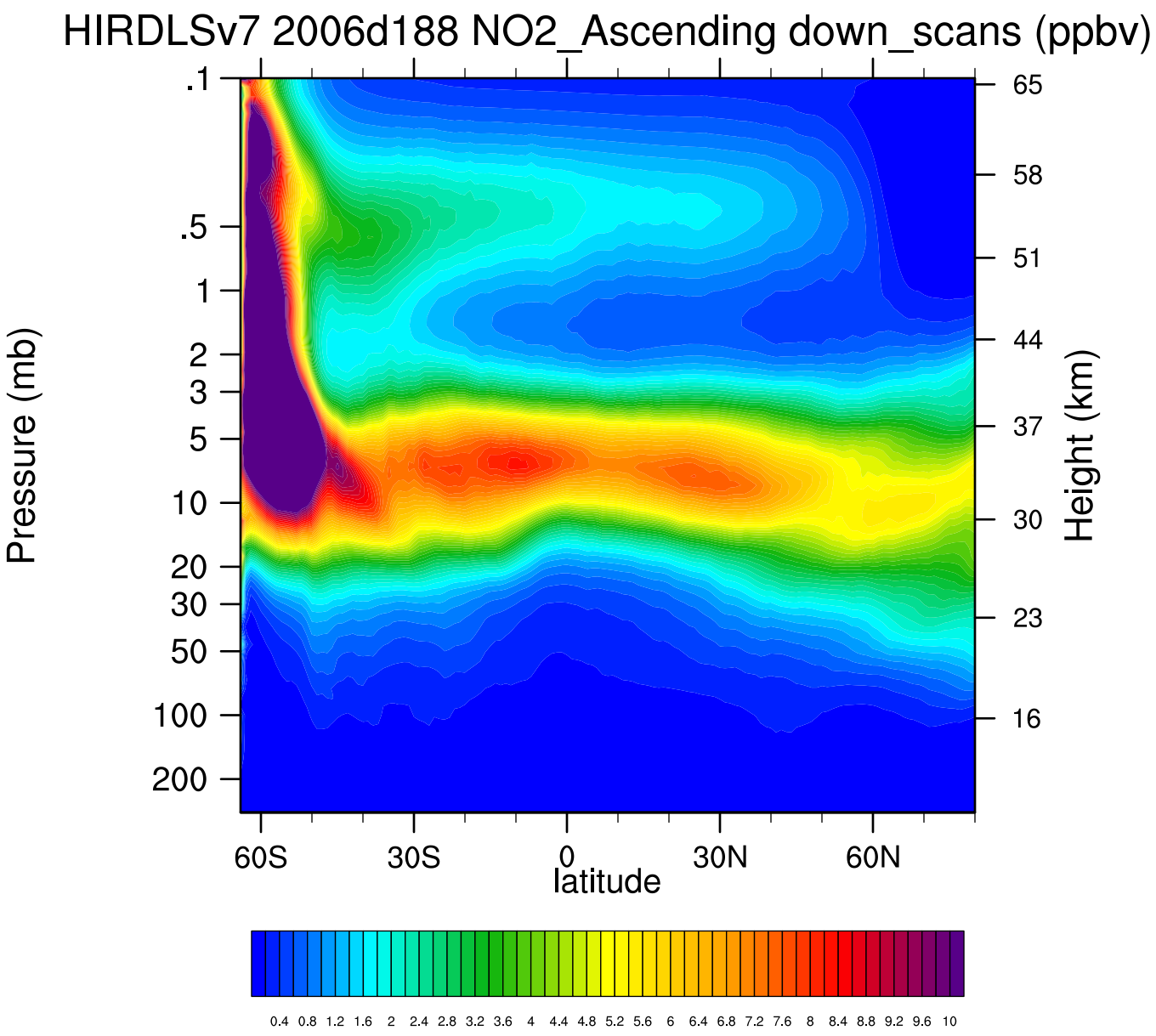

HIRDLSv7 2006d183 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

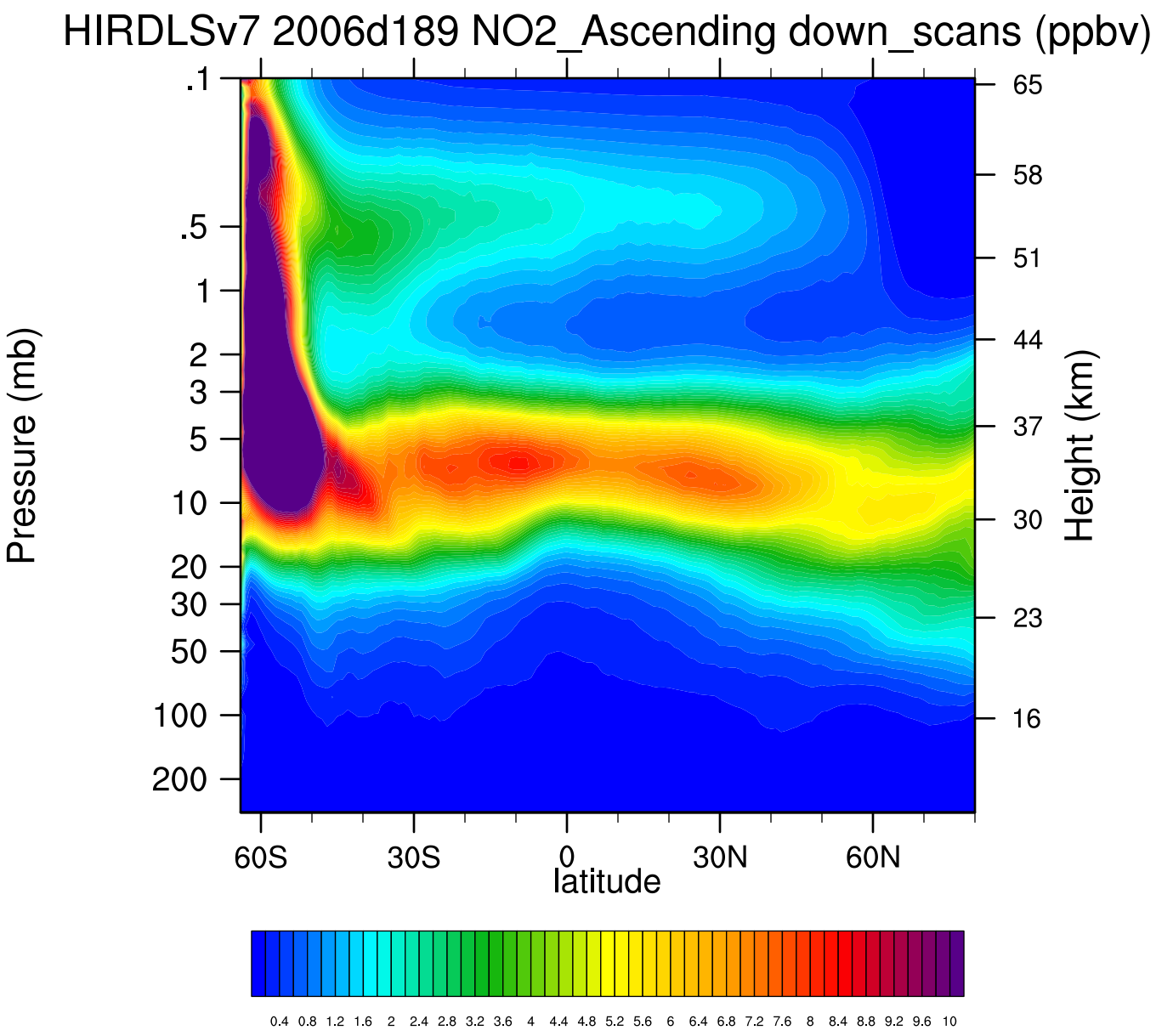

HIRDLSv7 2006d184 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

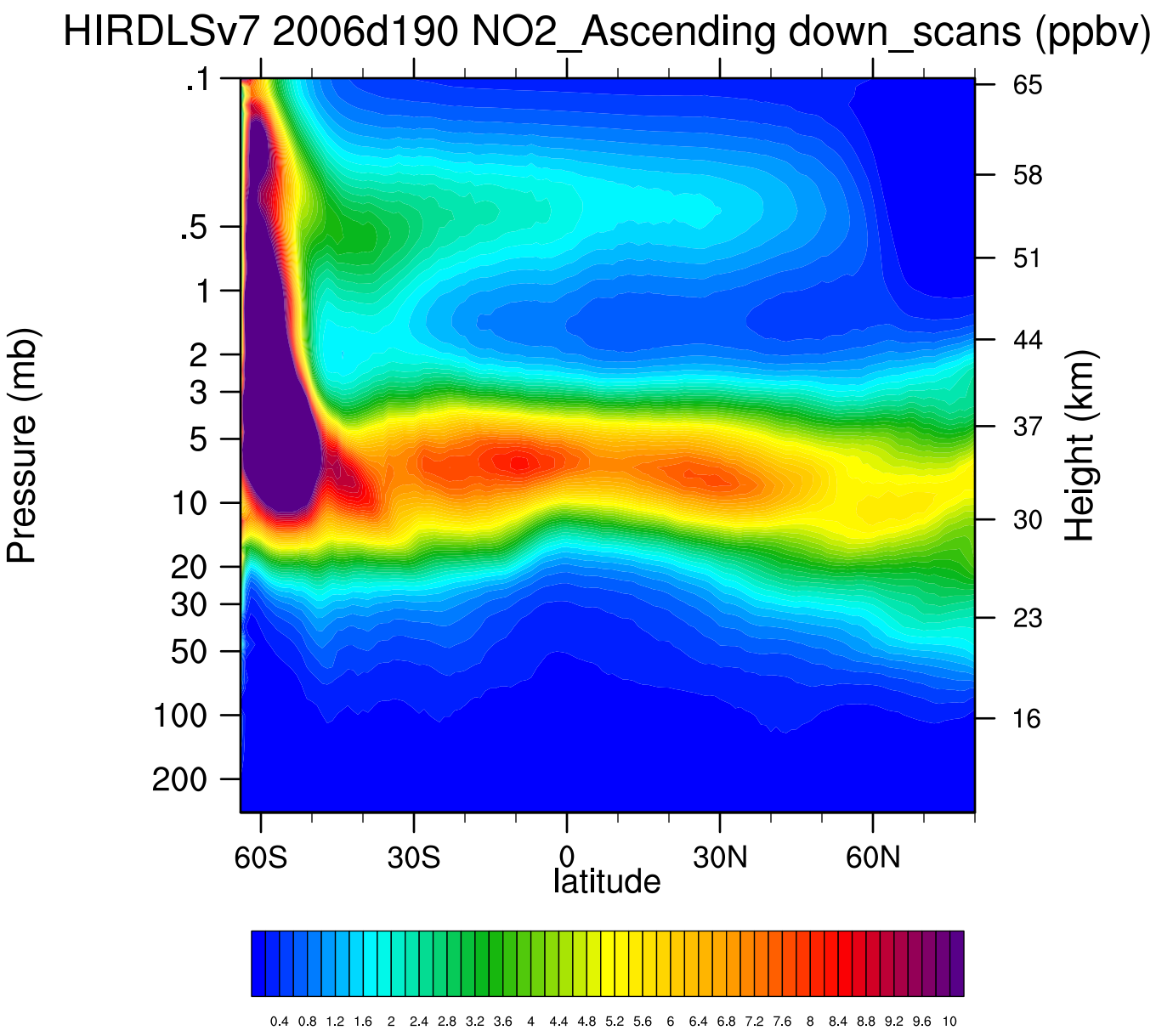

HIRDLSv7 2006d185 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

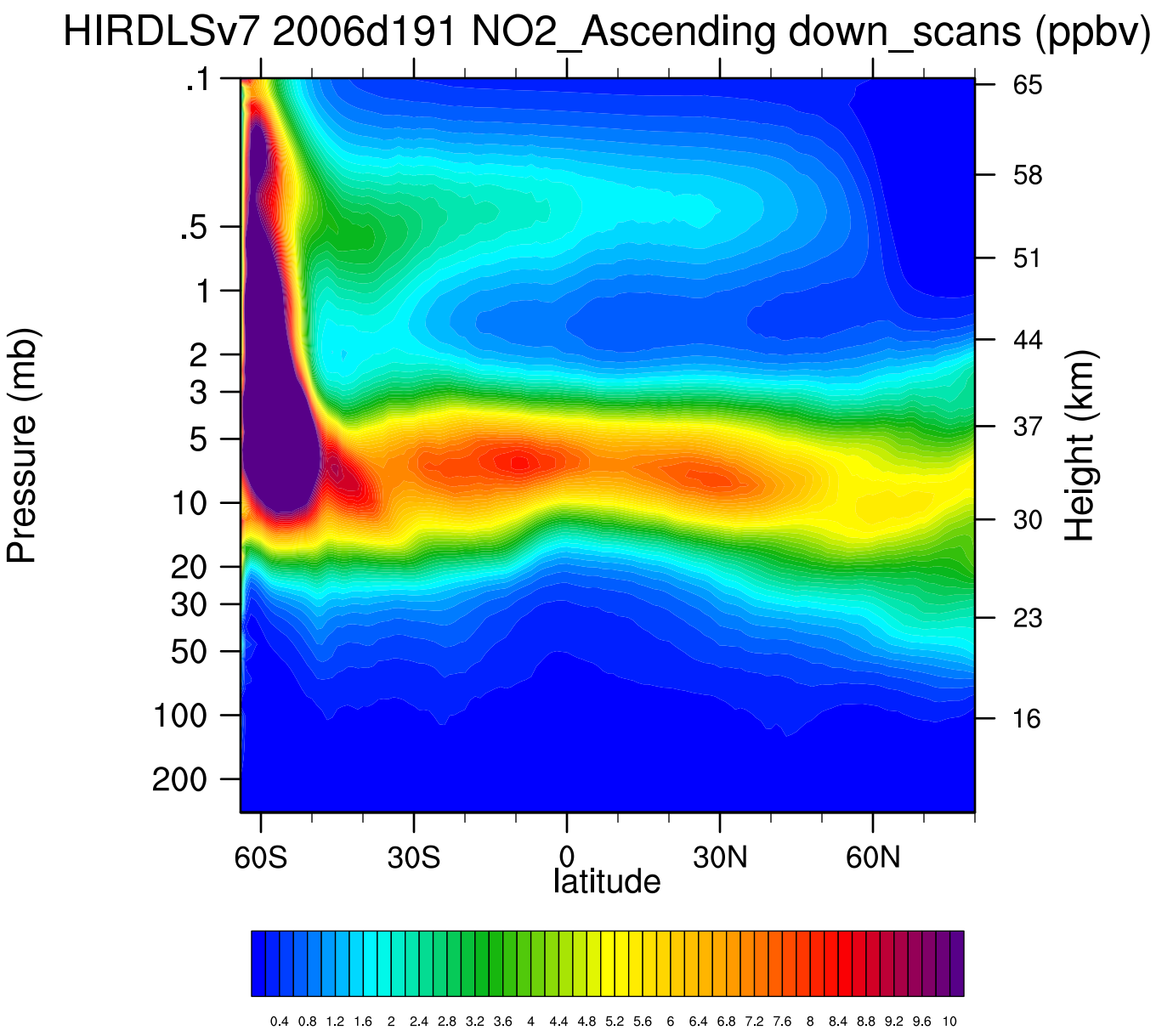

HIRDLSv7 2006d186 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

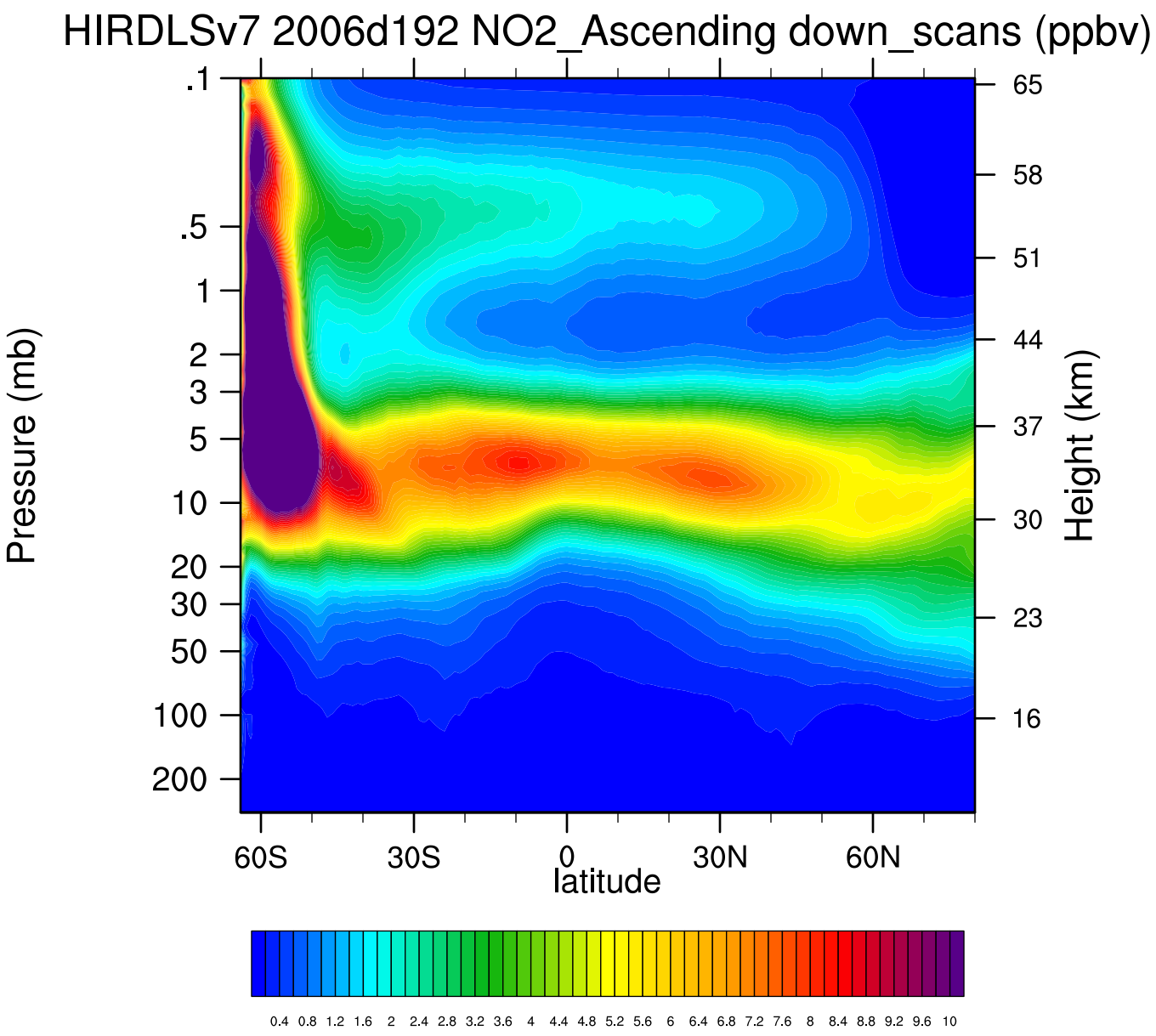

HIRDLSv7 2006d187 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

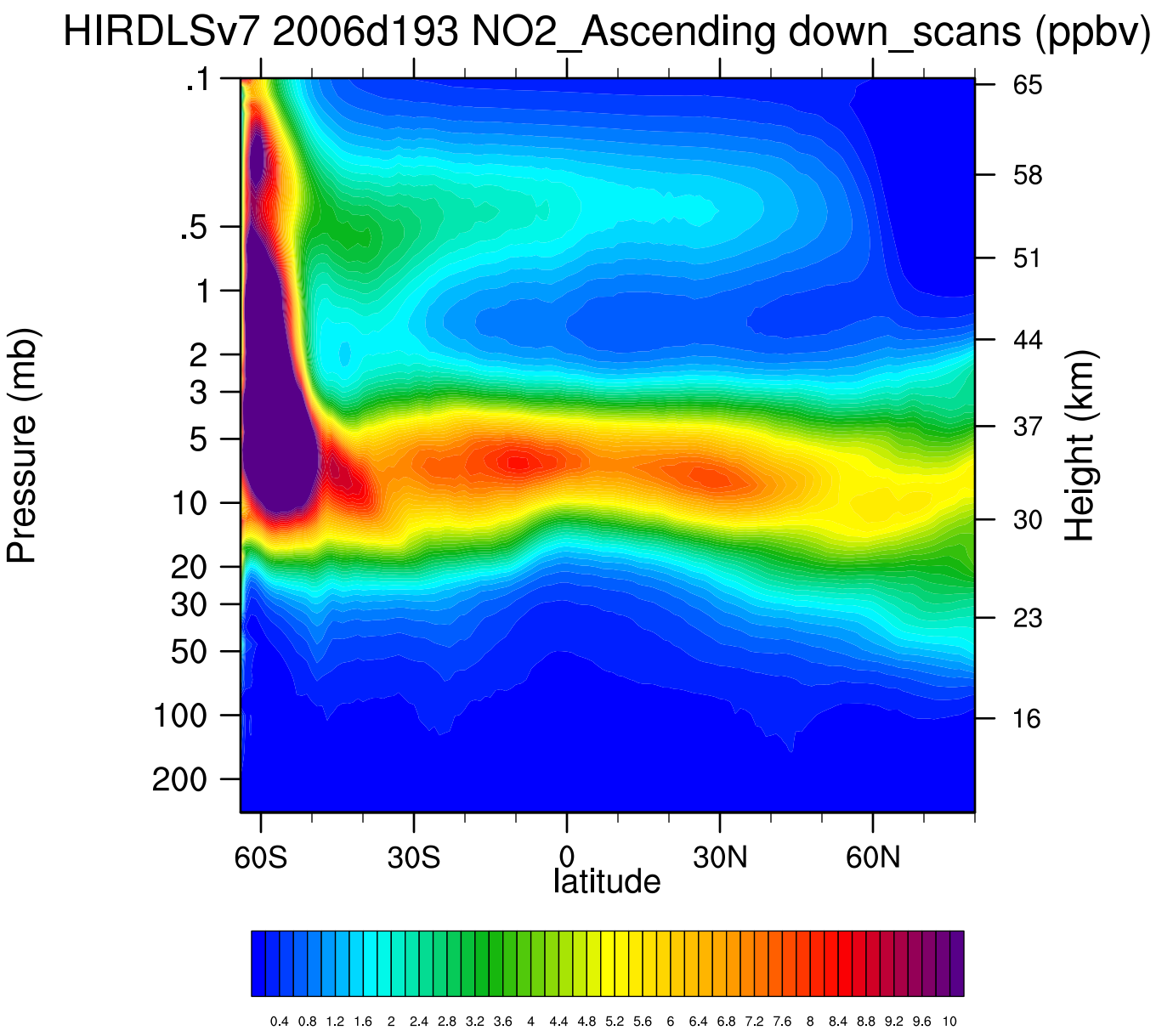

HIRDLSv7 2006d188 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

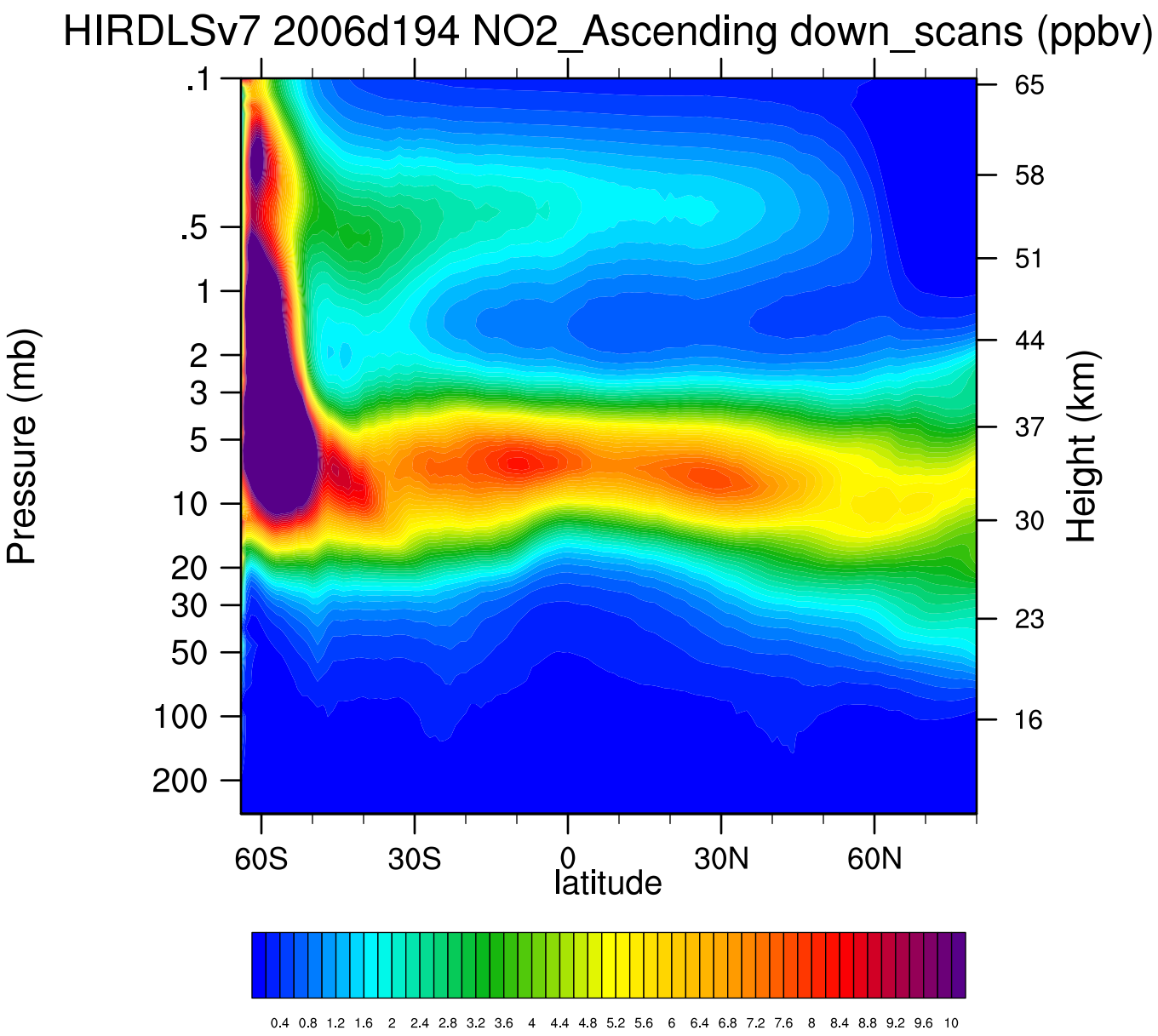

HIRDLSv7 2006d189 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

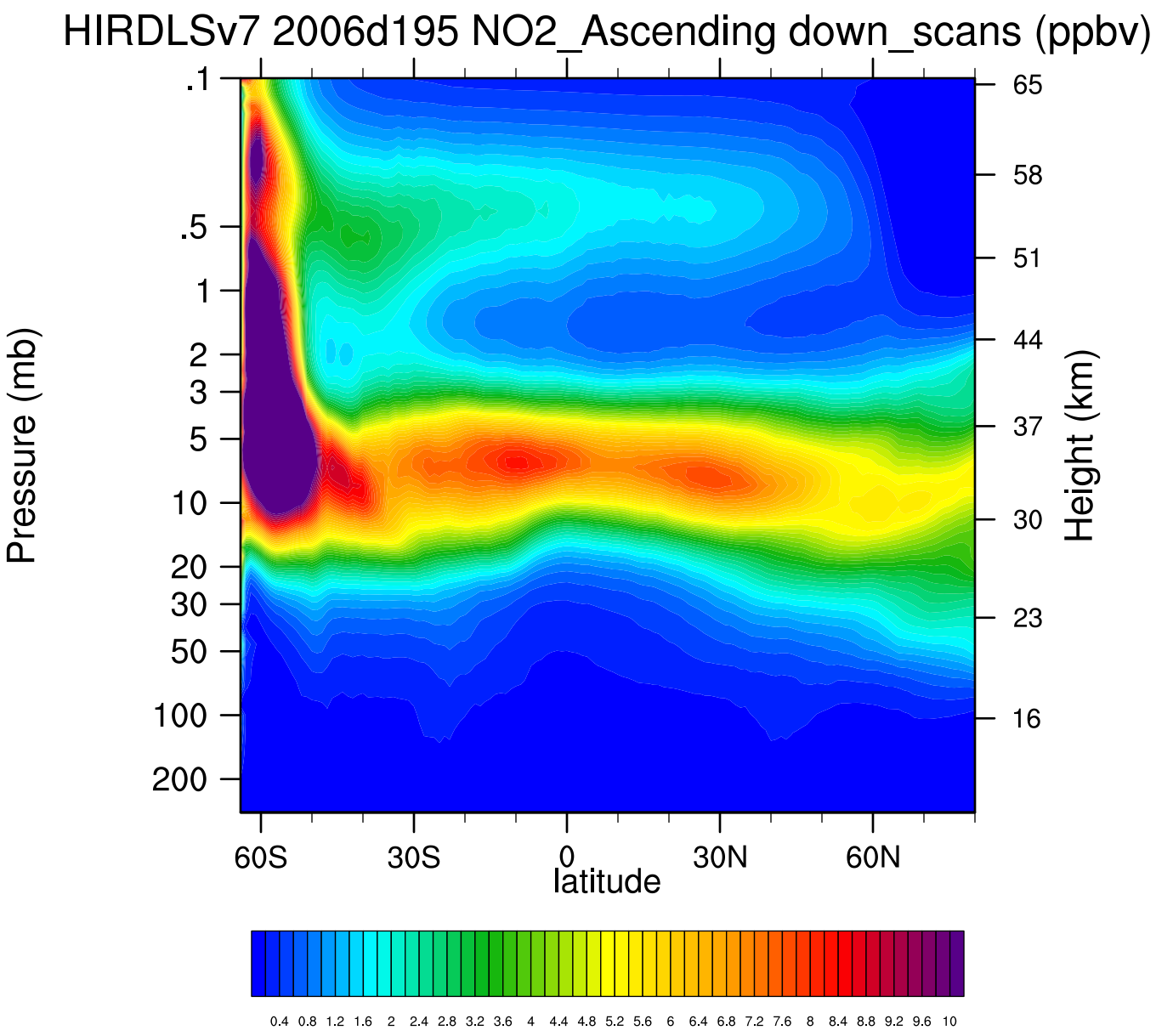

HIRDLSv7 2006d190 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

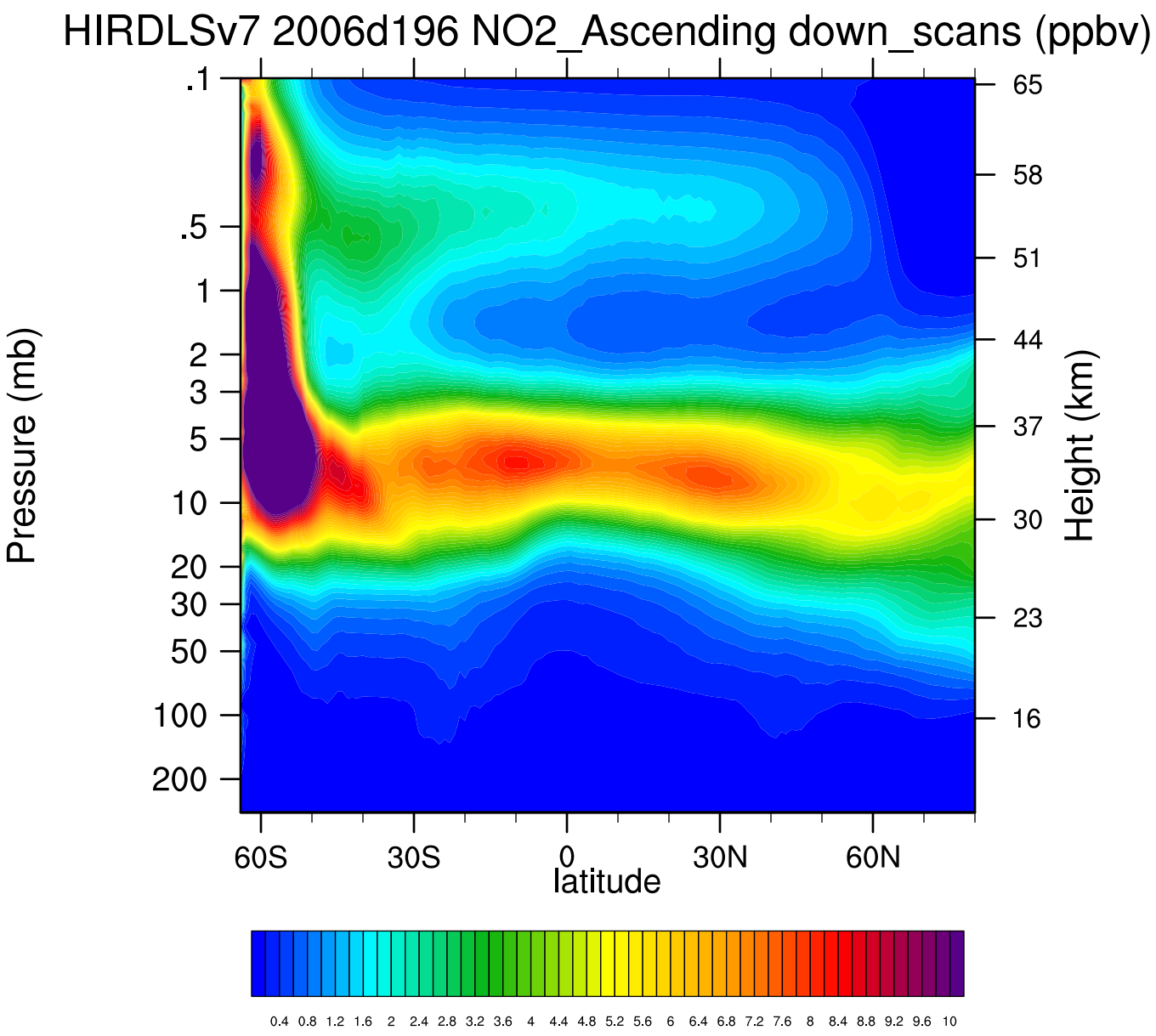

HIRDLSv7 2006d191 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

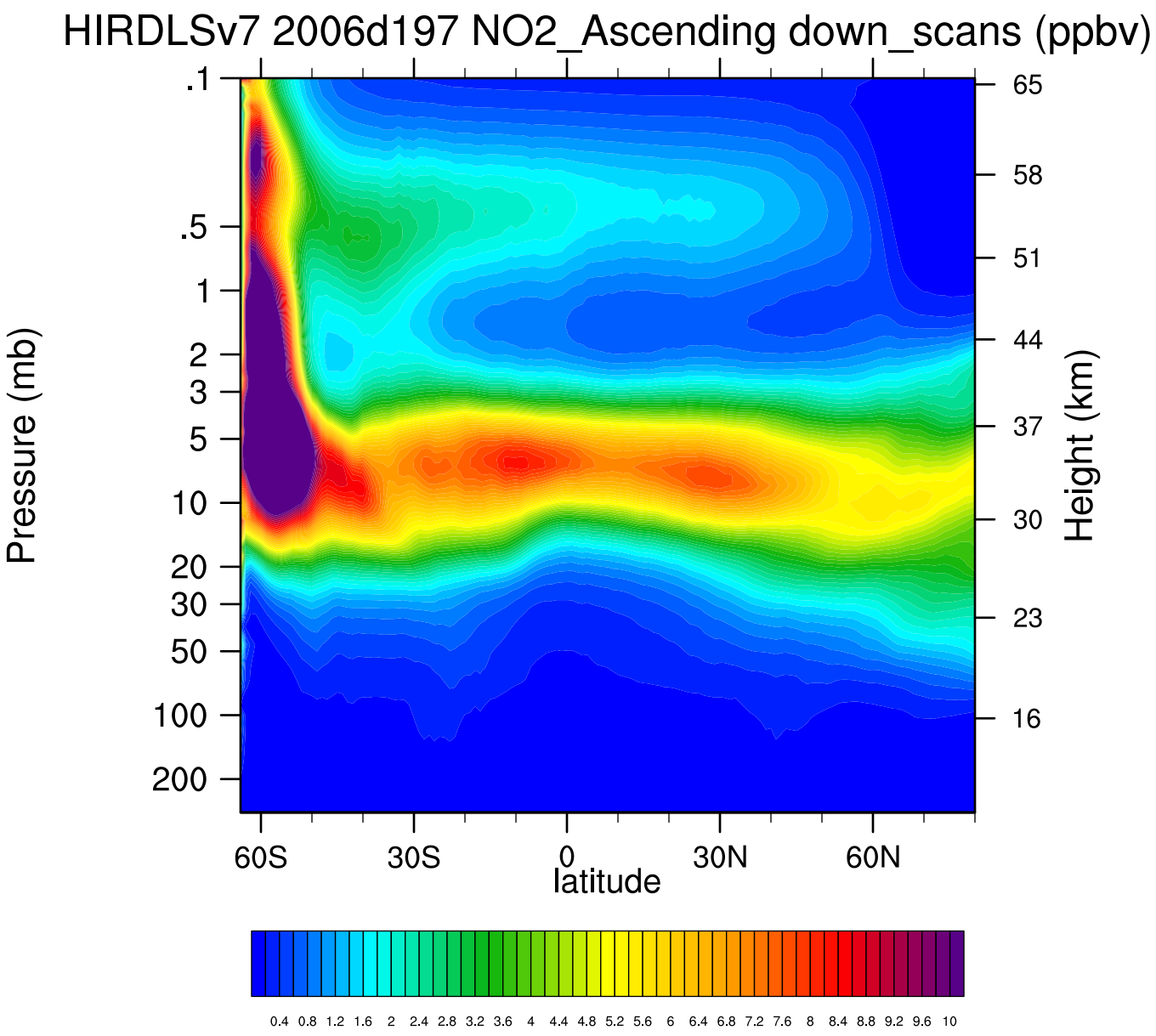

HIRDLSv7 2006d192 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

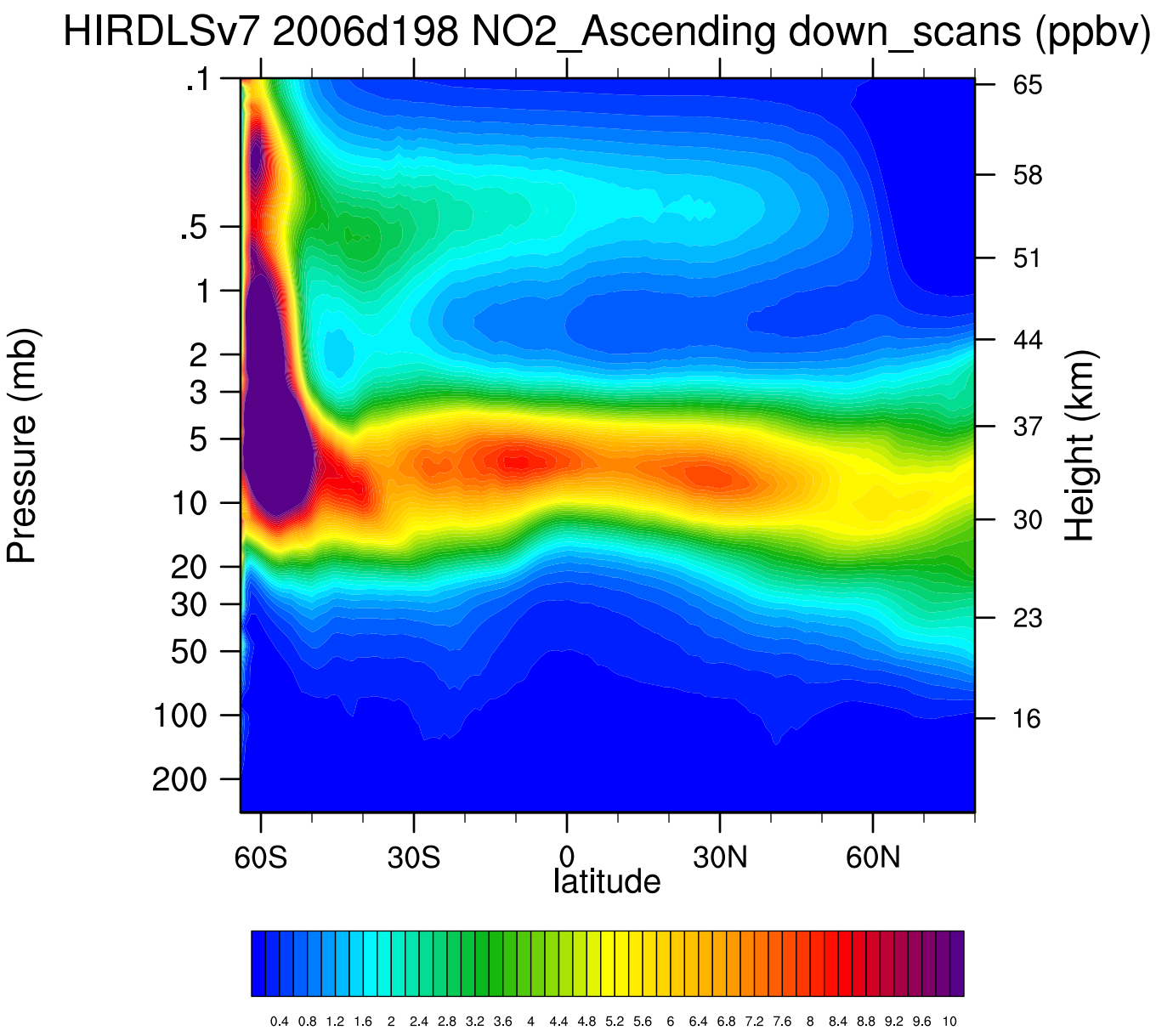

HIRDLSv7 2006d193 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

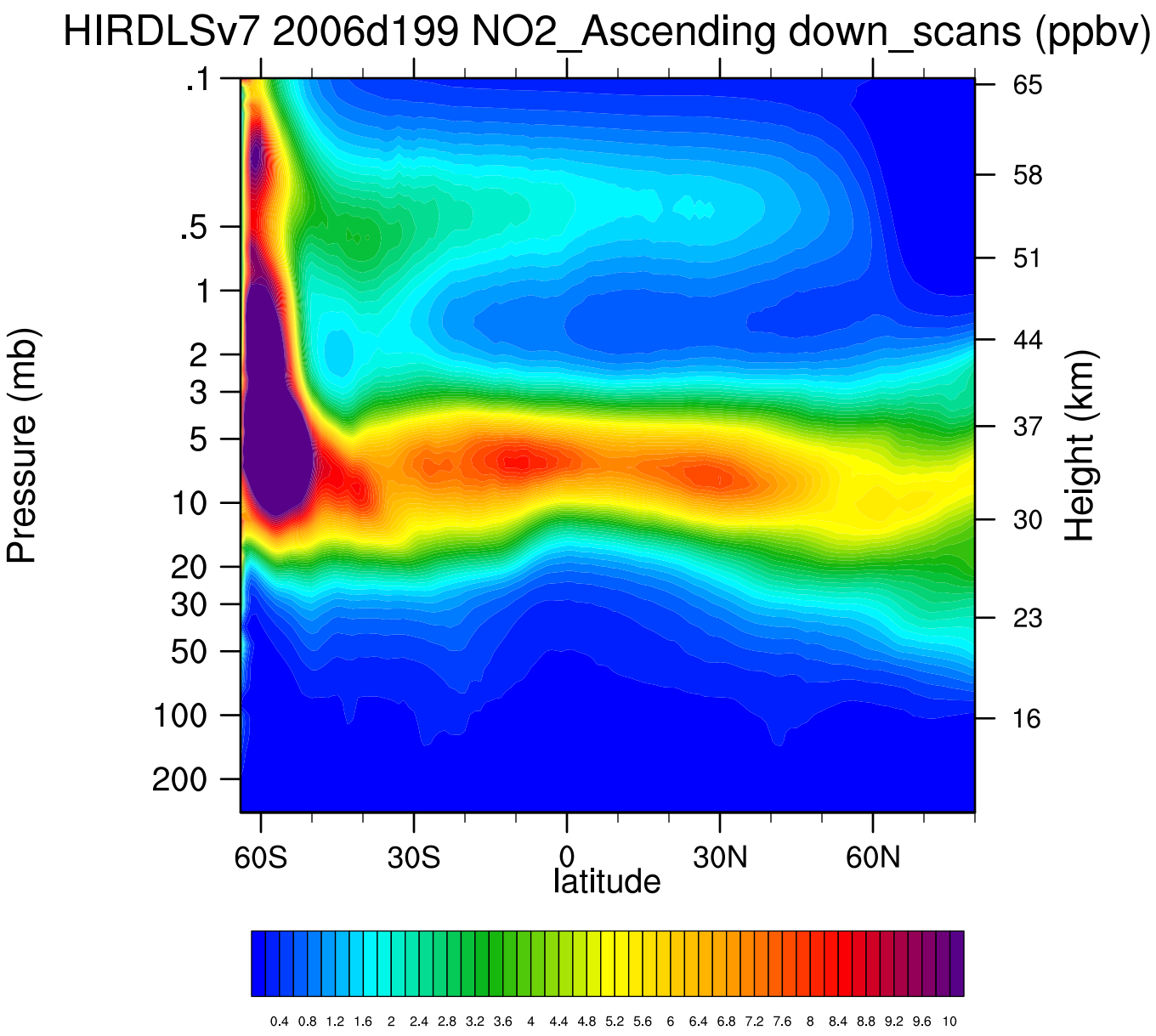

HIRDLSv7 2006d194 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

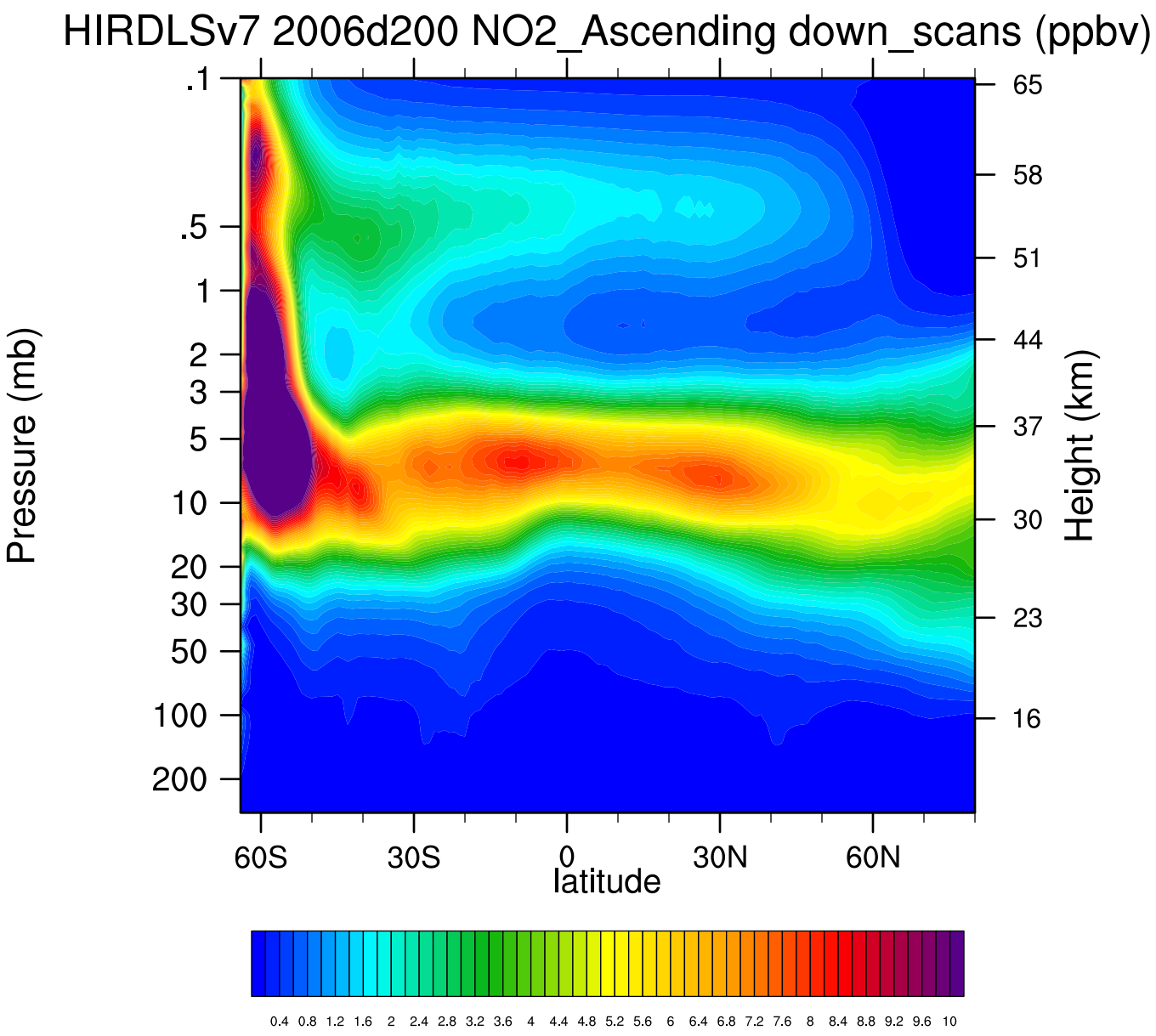

HIRDLSv7 2006d195 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

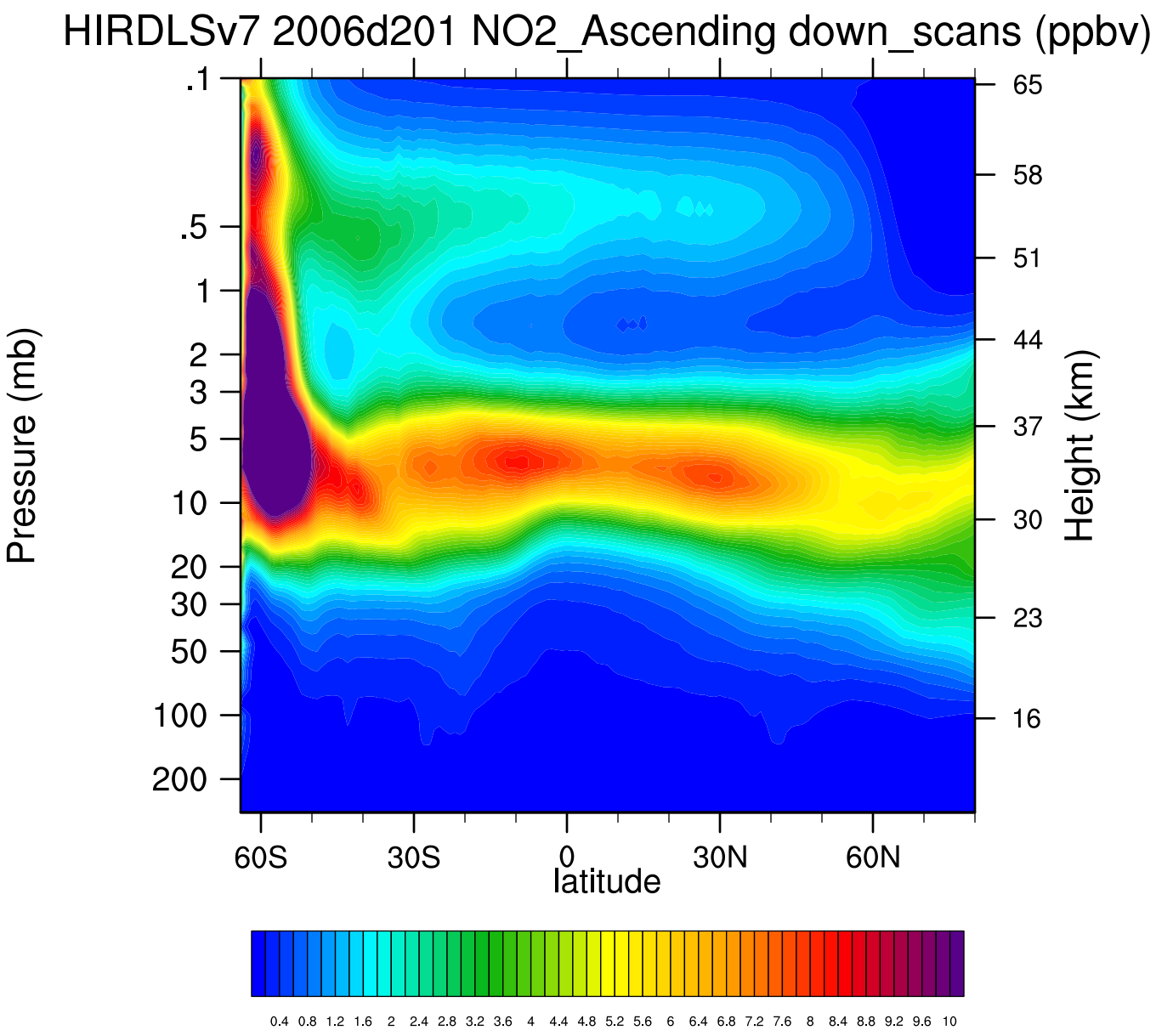

HIRDLSv7 2006d196 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

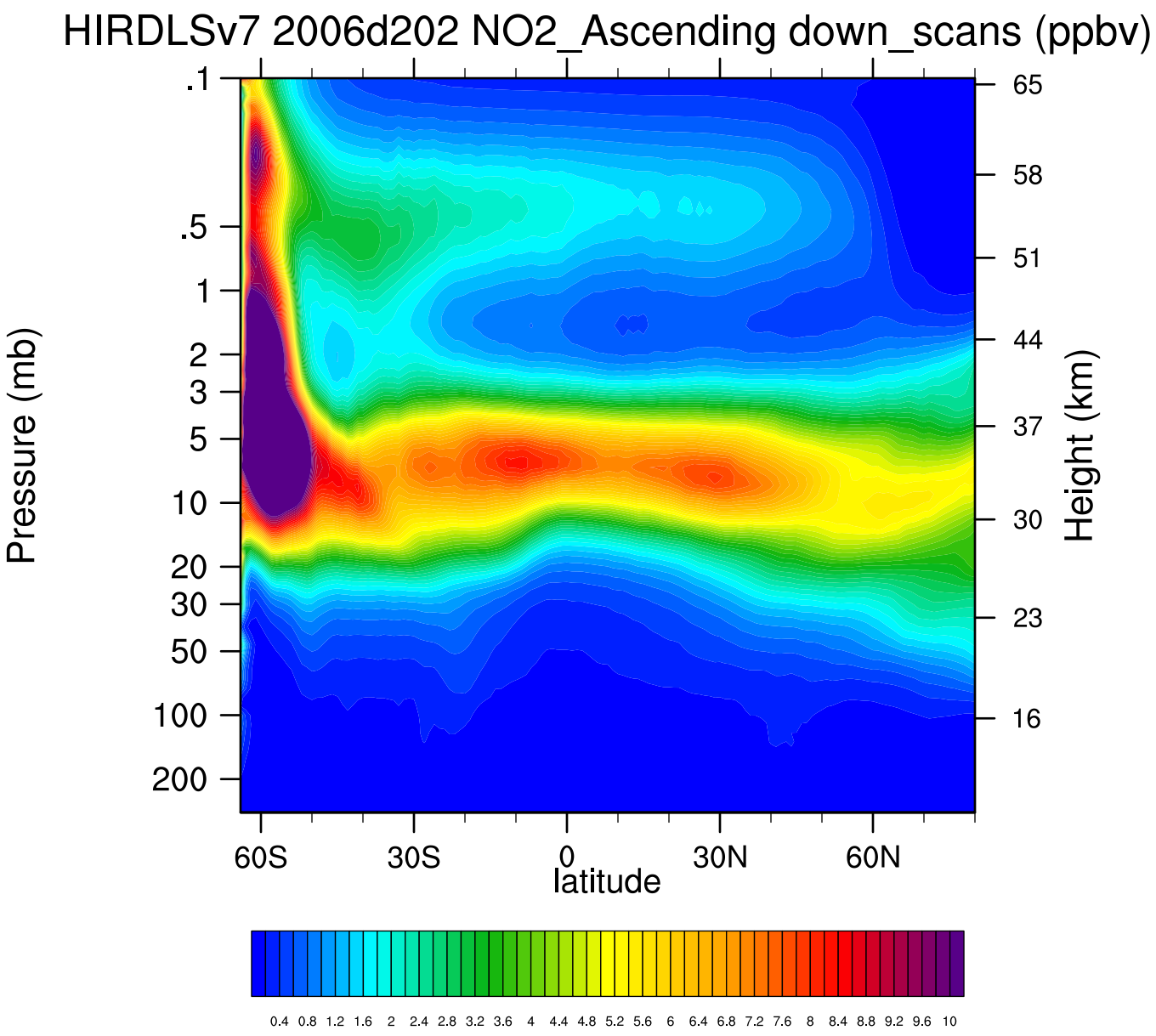

HIRDLSv7 2006d197 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

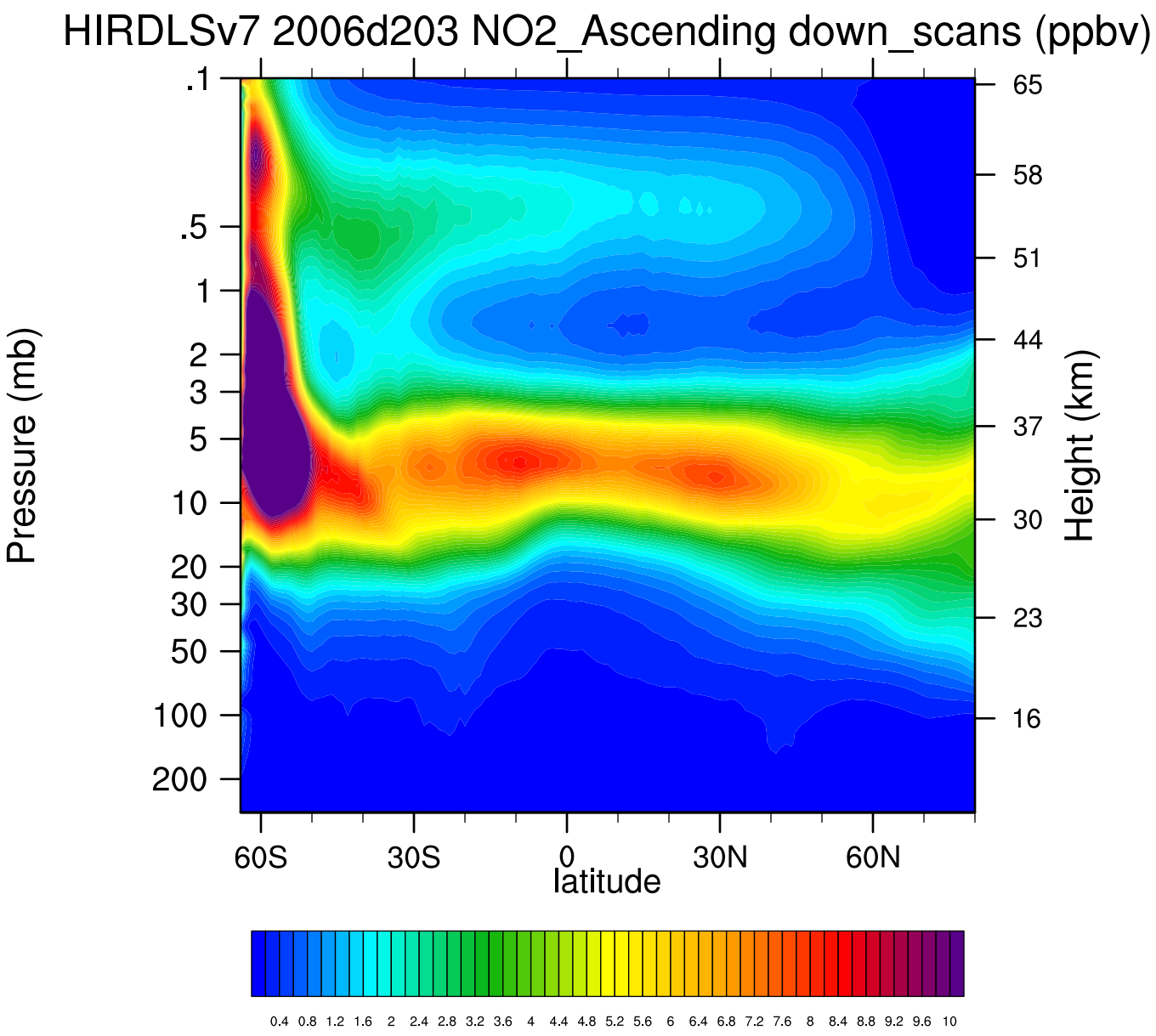

HIRDLSv7 2006d198 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

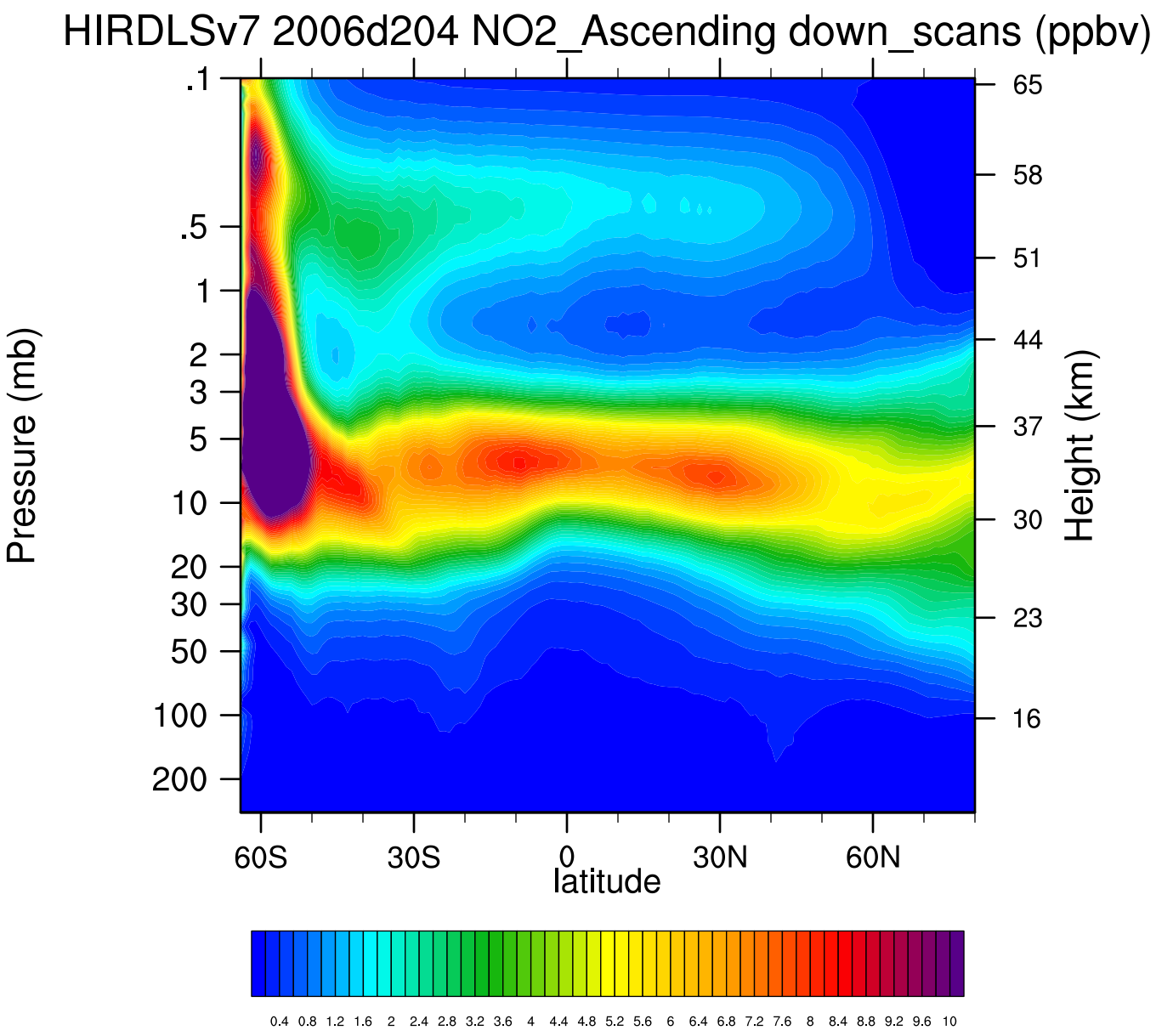

HIRDLSv7 2006d199 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

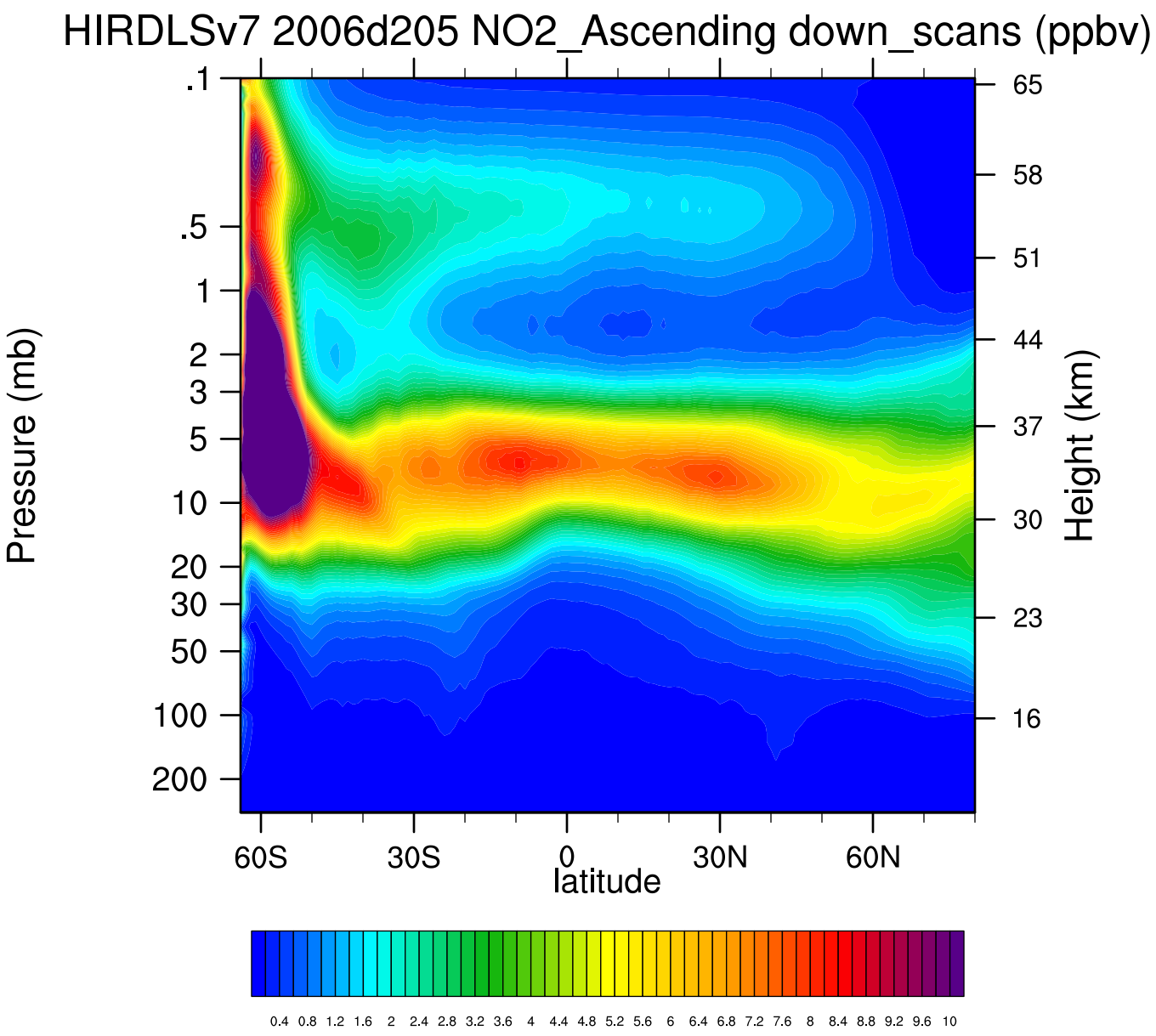

HIRDLSv7 2006d200 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

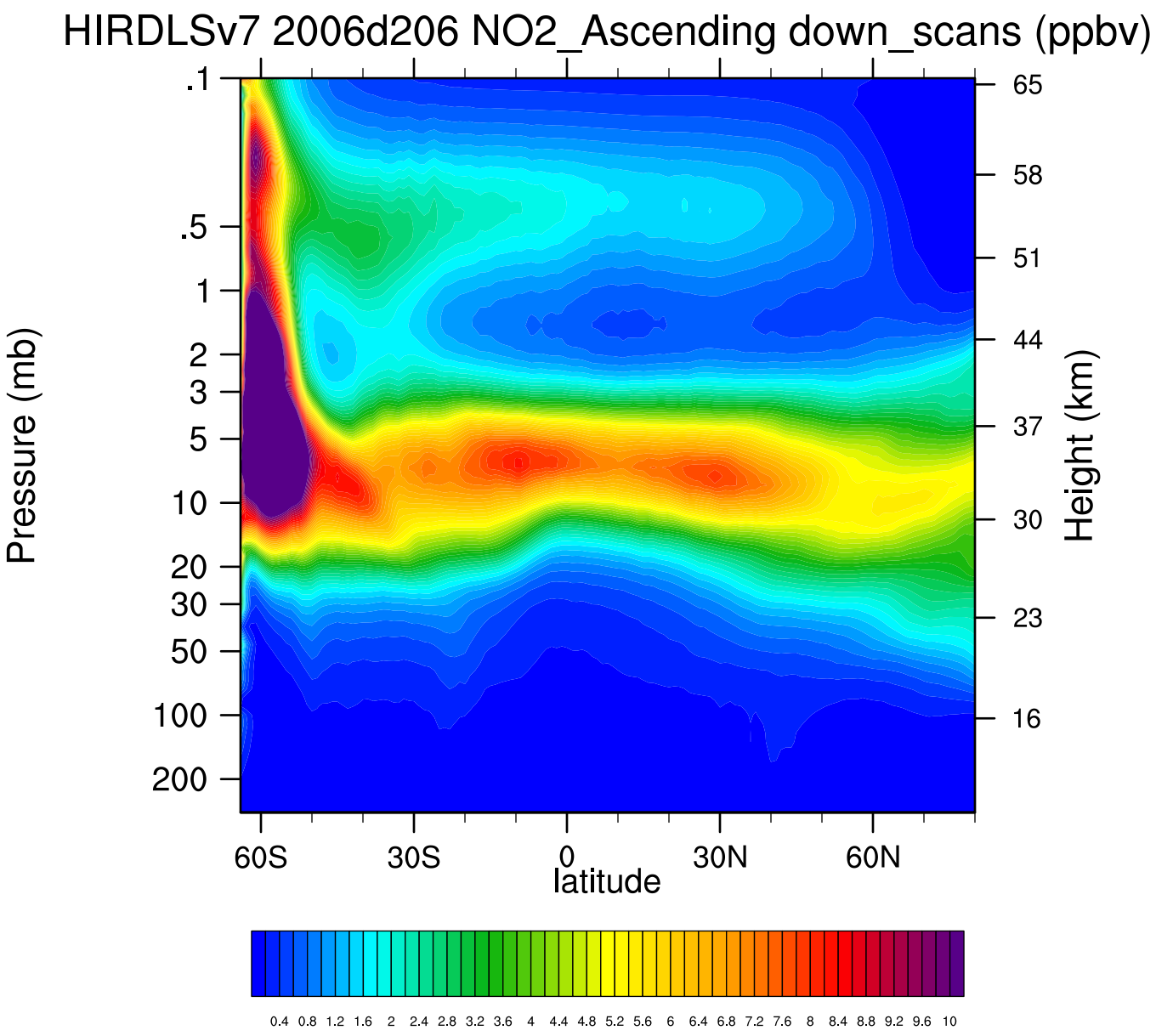

HIRDLSv7 2006d201 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

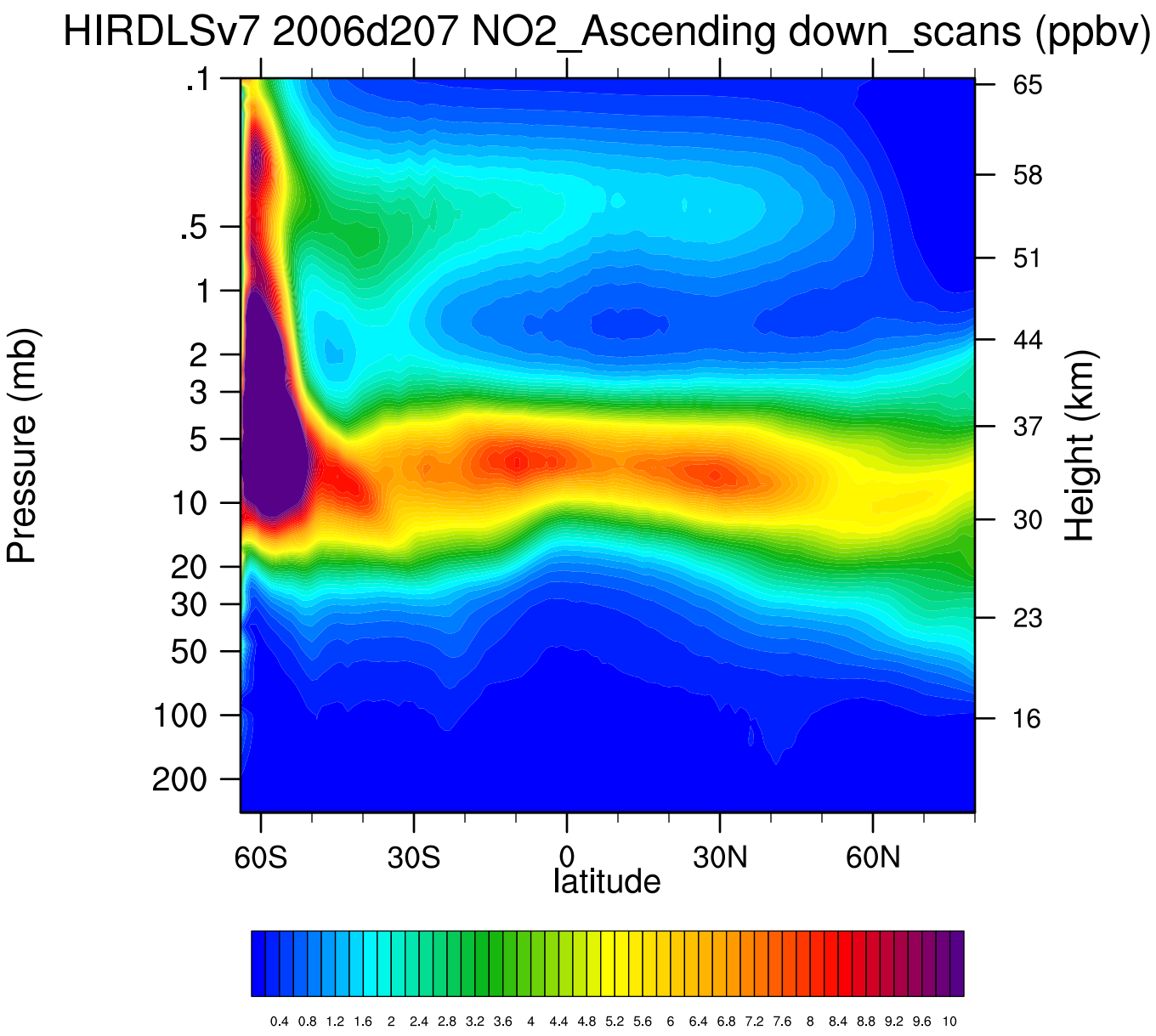

HIRDLSv7 2006d202 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

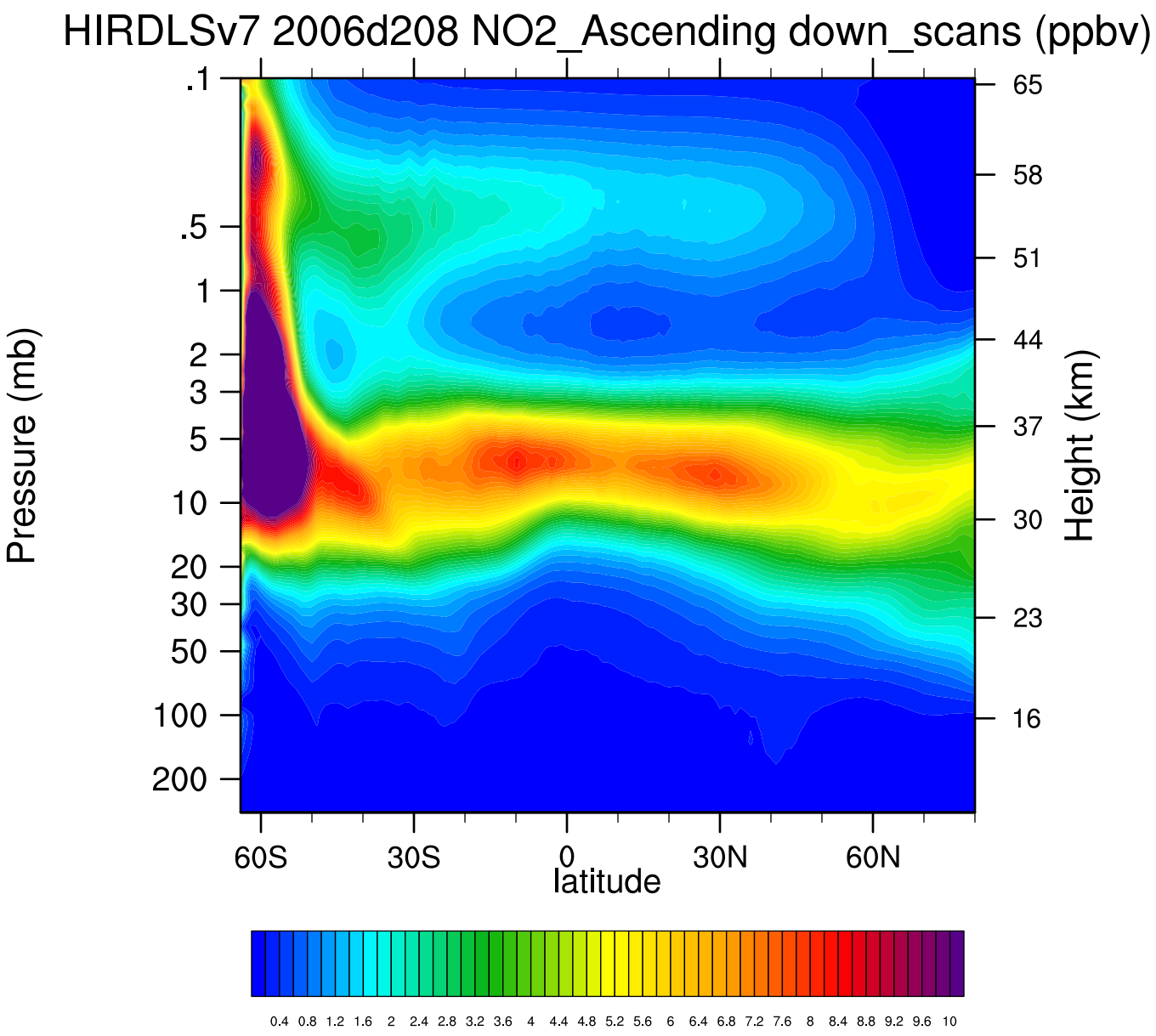

HIRDLSv7 2006d203 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

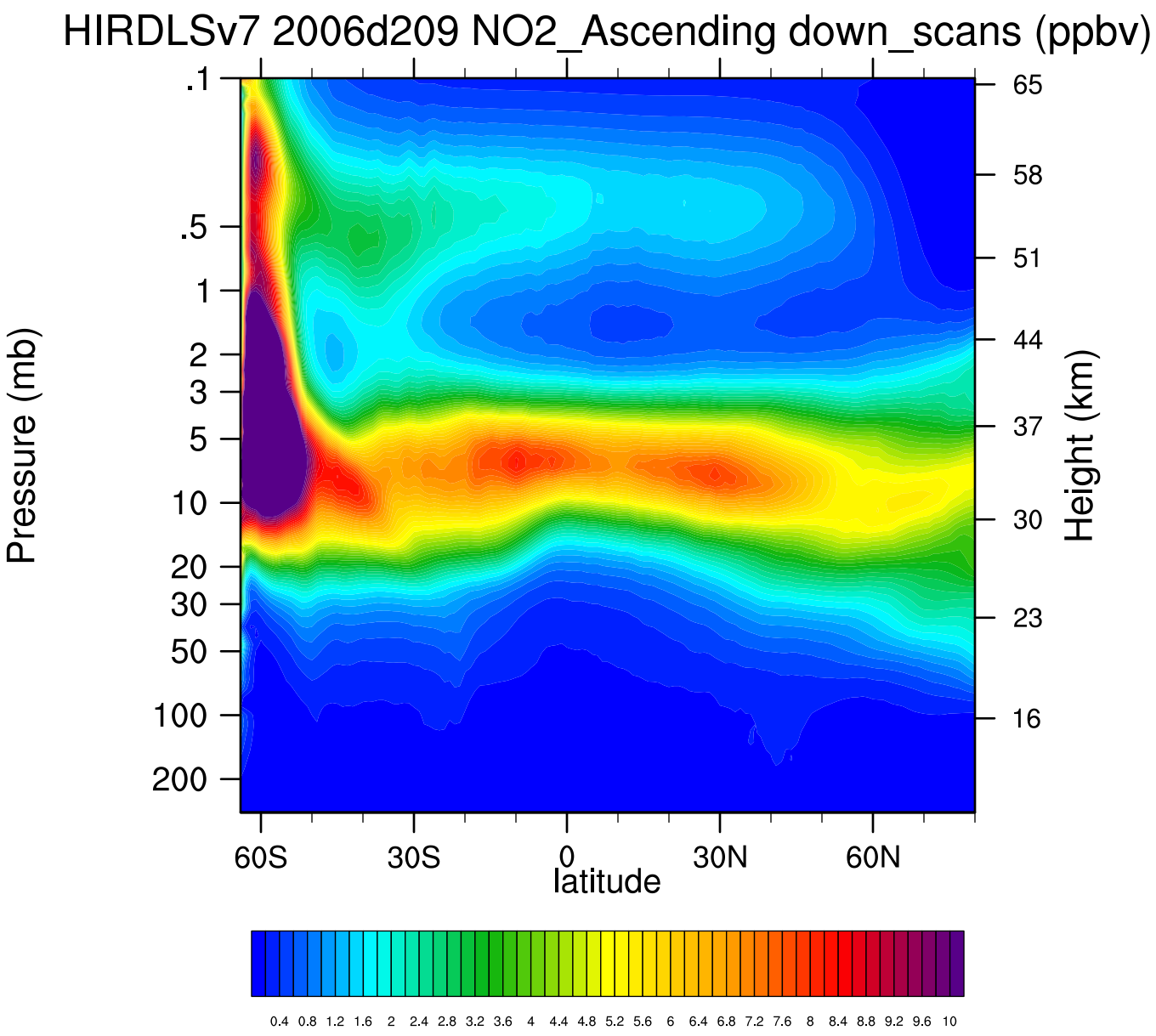

HIRDLSv7 2006d204 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

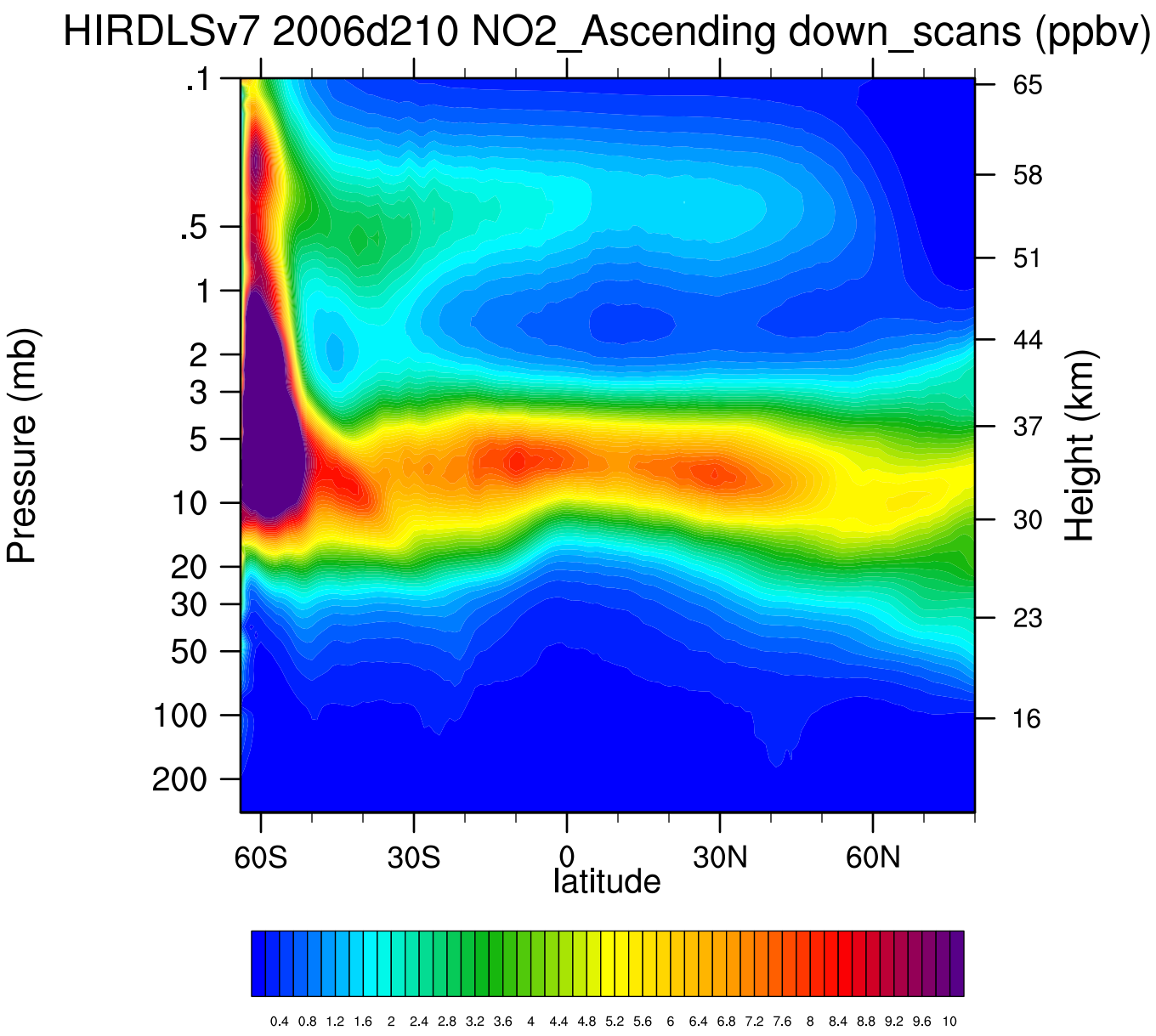

HIRDLSv7 2006d205 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

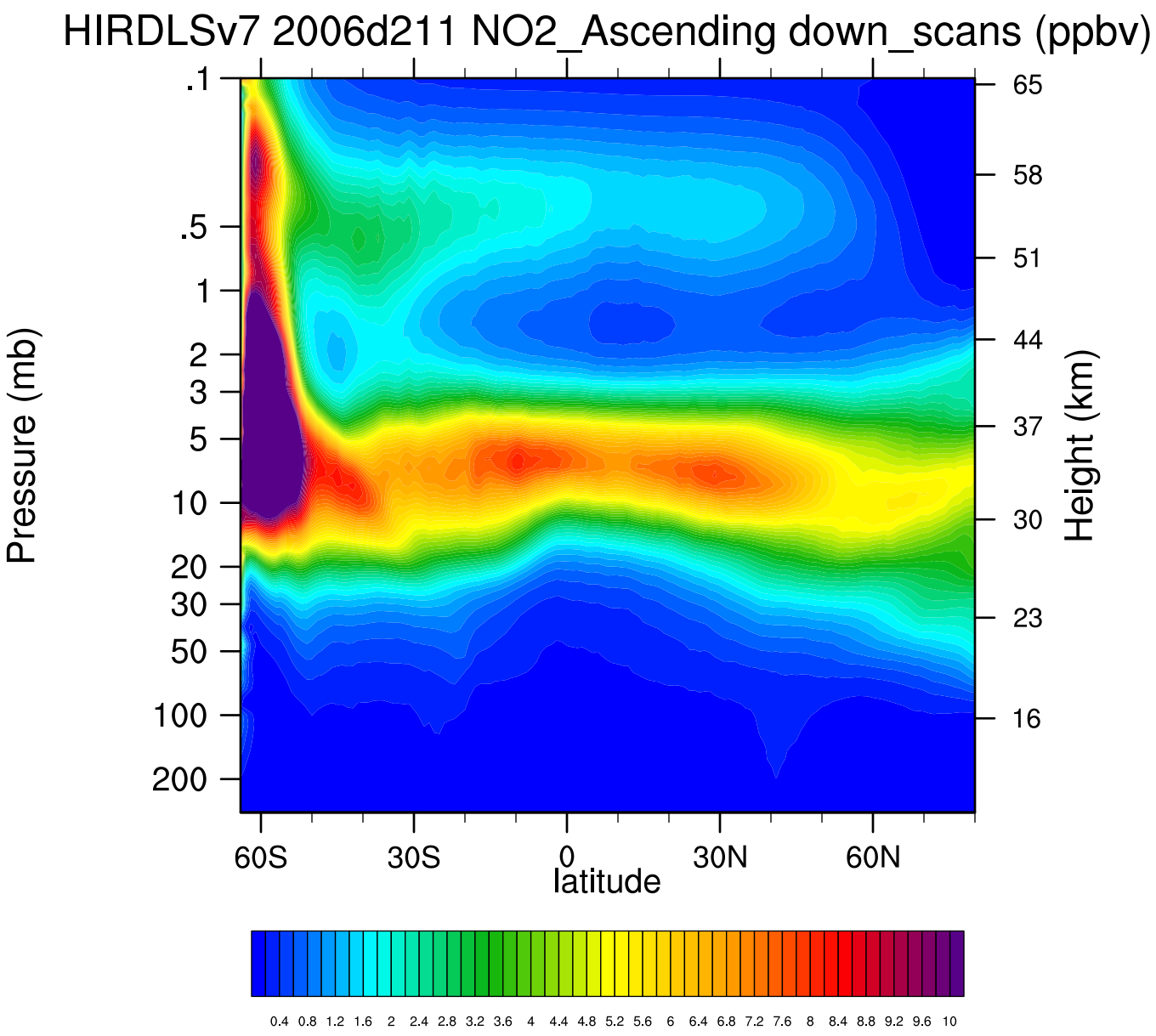

HIRDLSv7 2006d206 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

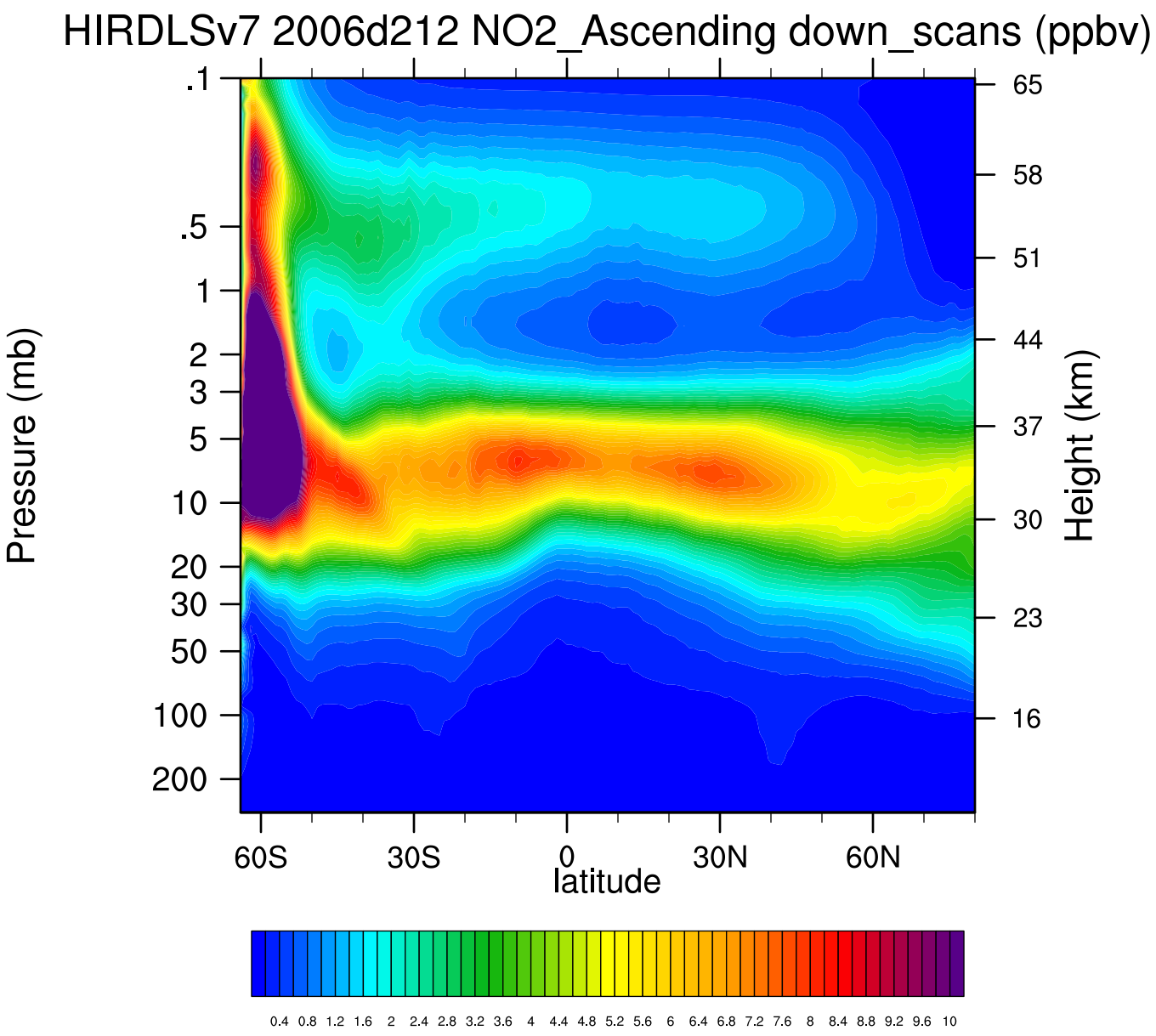

HIRDLSv7 2006d207 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

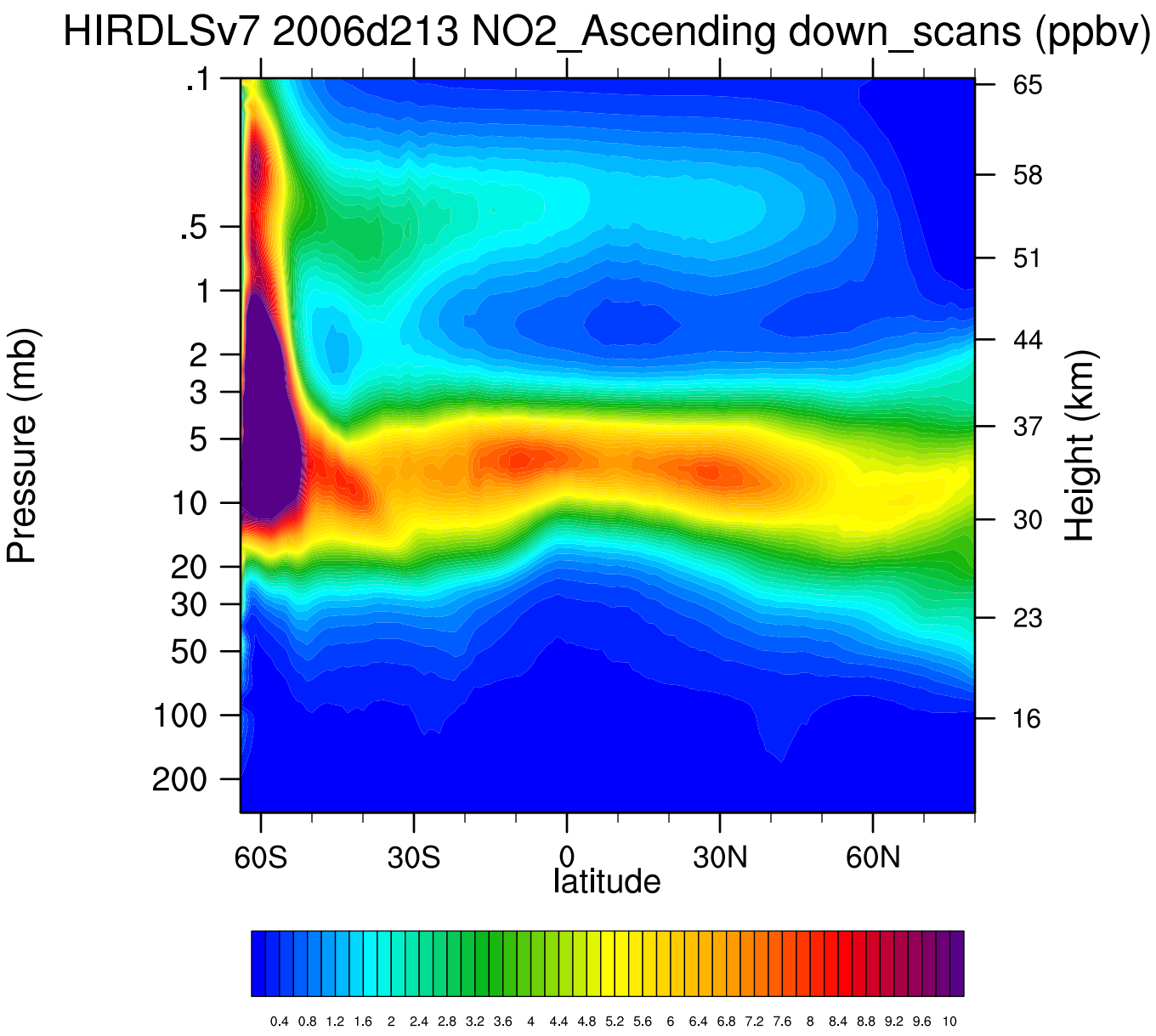

HIRDLSv7 2006d208 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

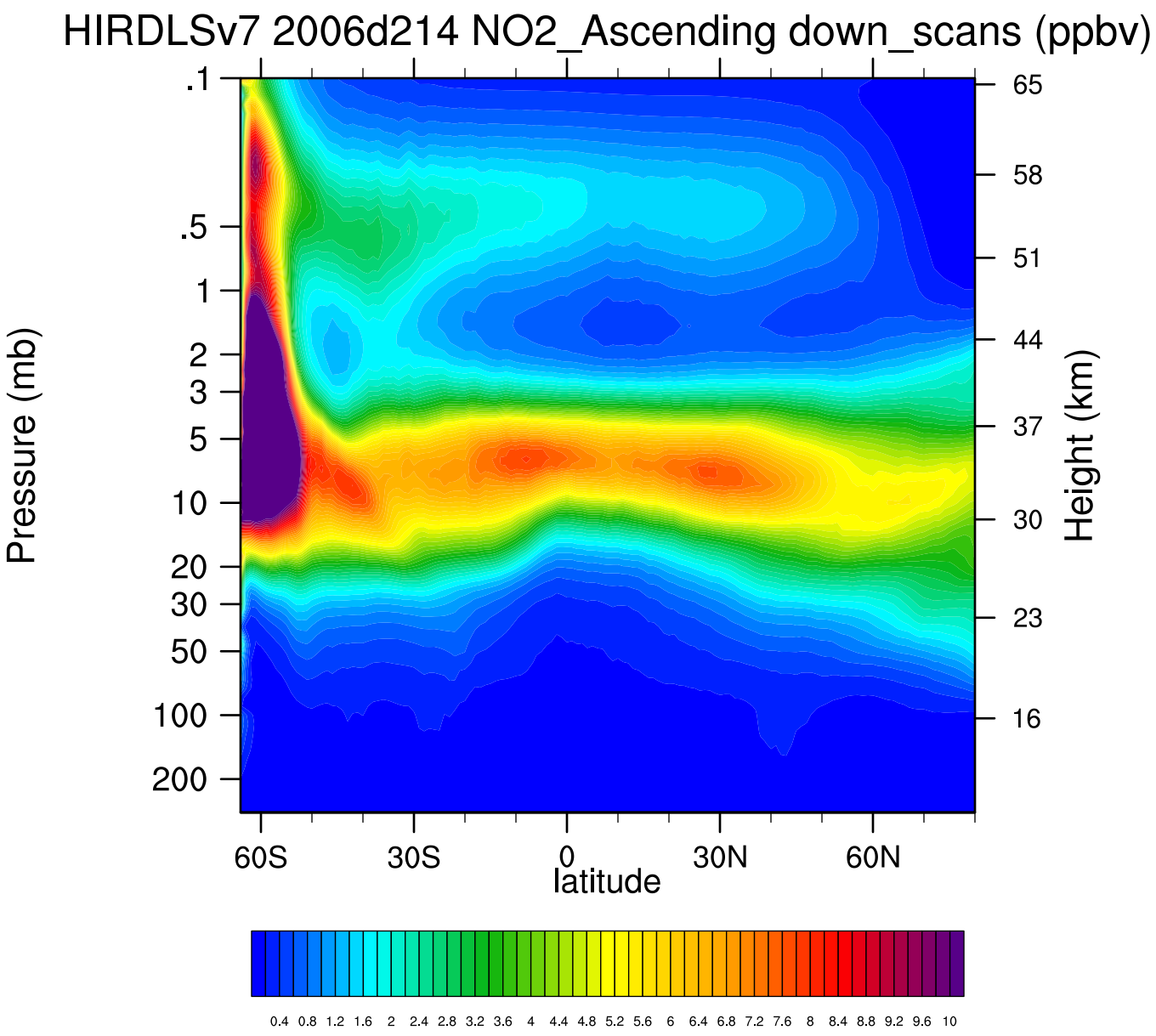

HIRDLSv7 2006d209 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

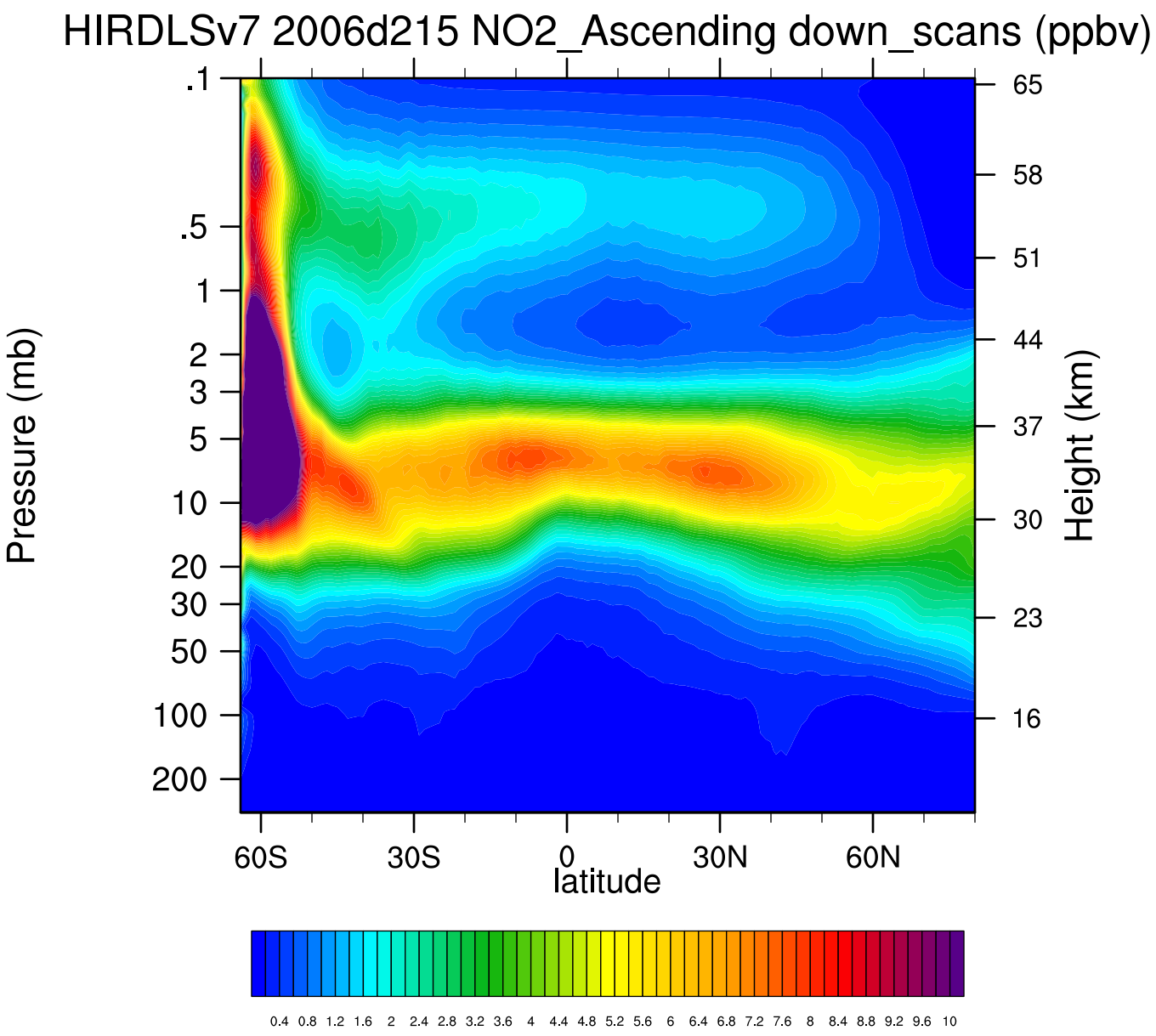

HIRDLSv7 2006d210 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

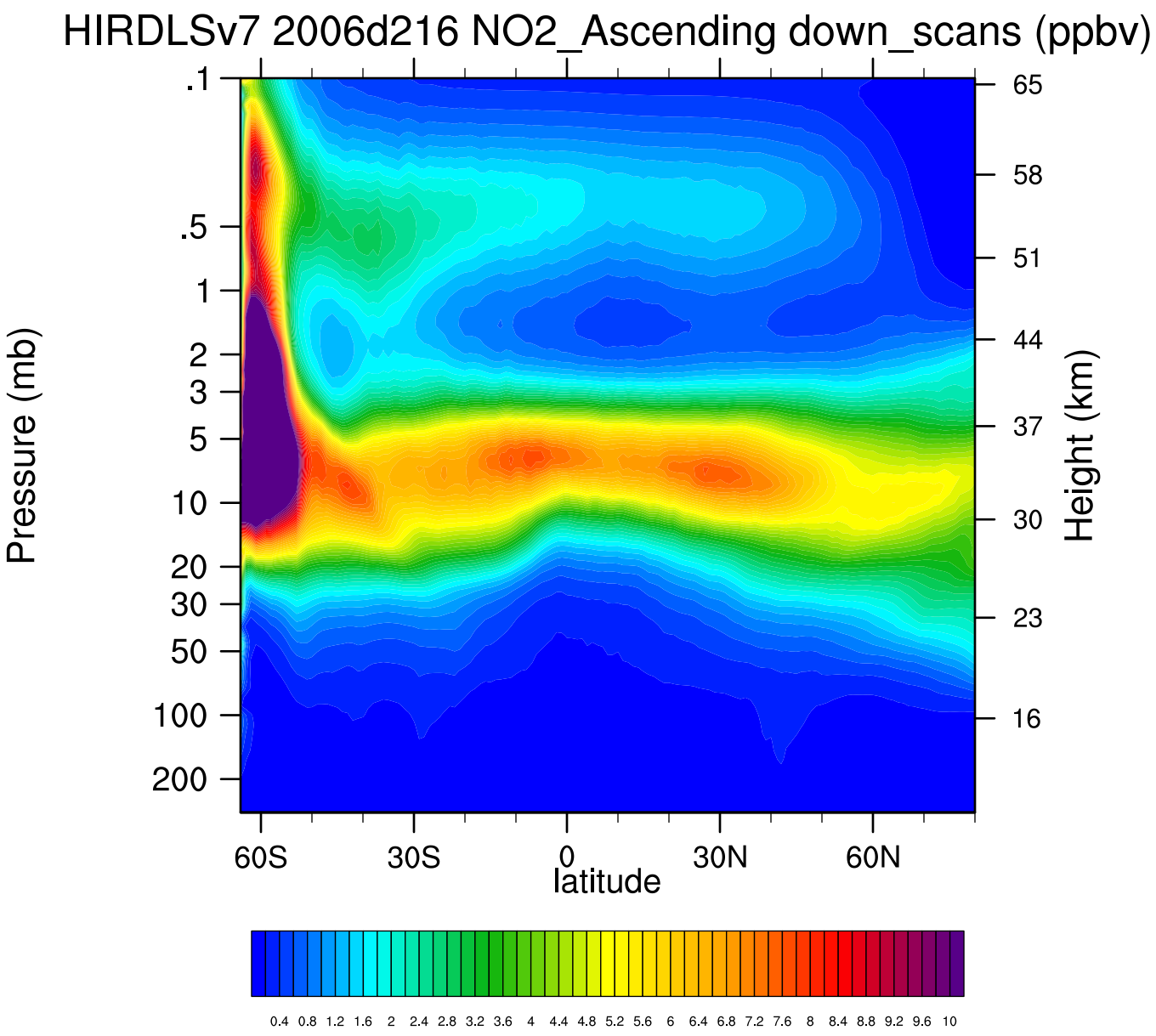

HIRDLSv7 2006d211 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

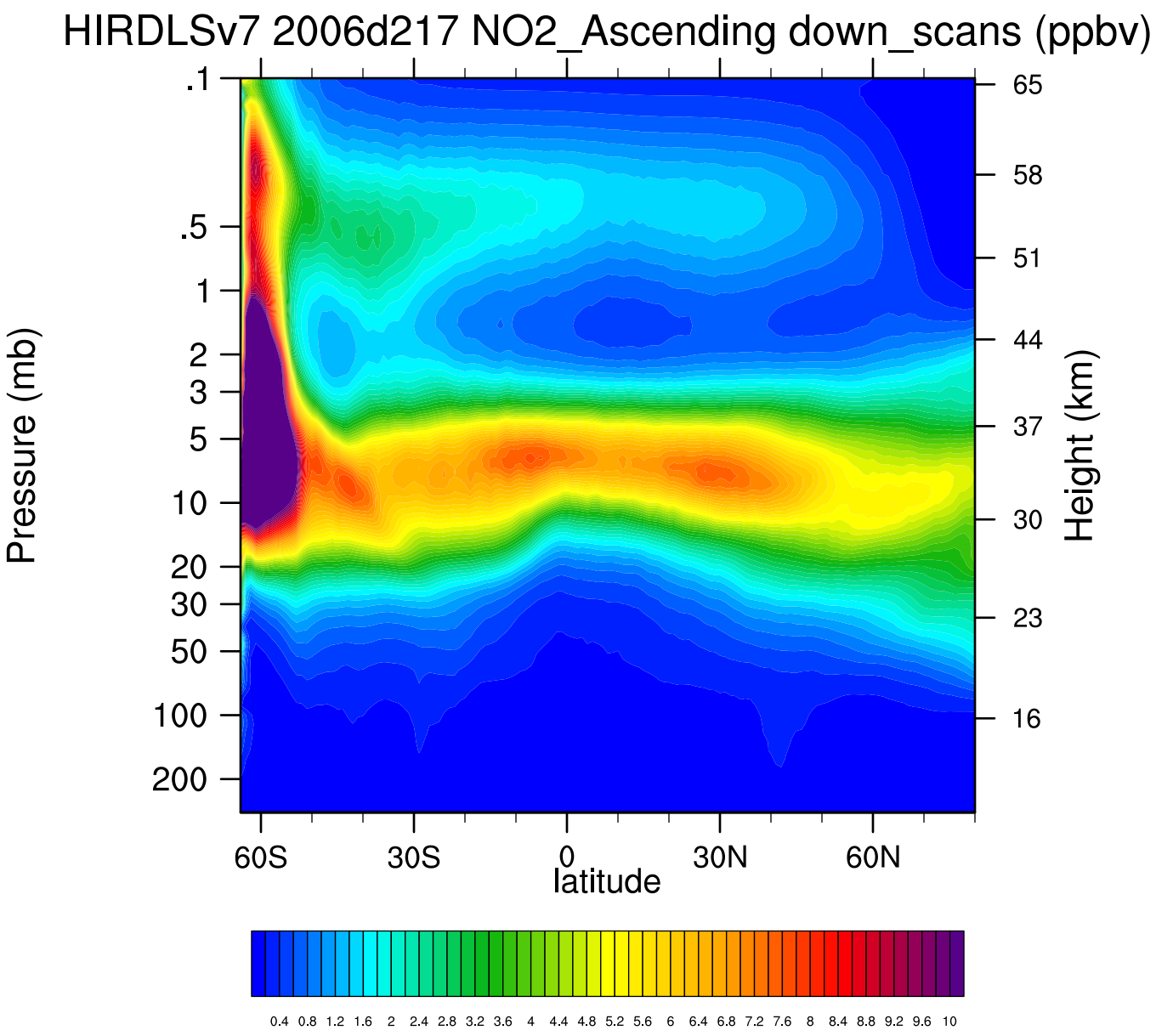

HIRDLSv7 2006d212 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

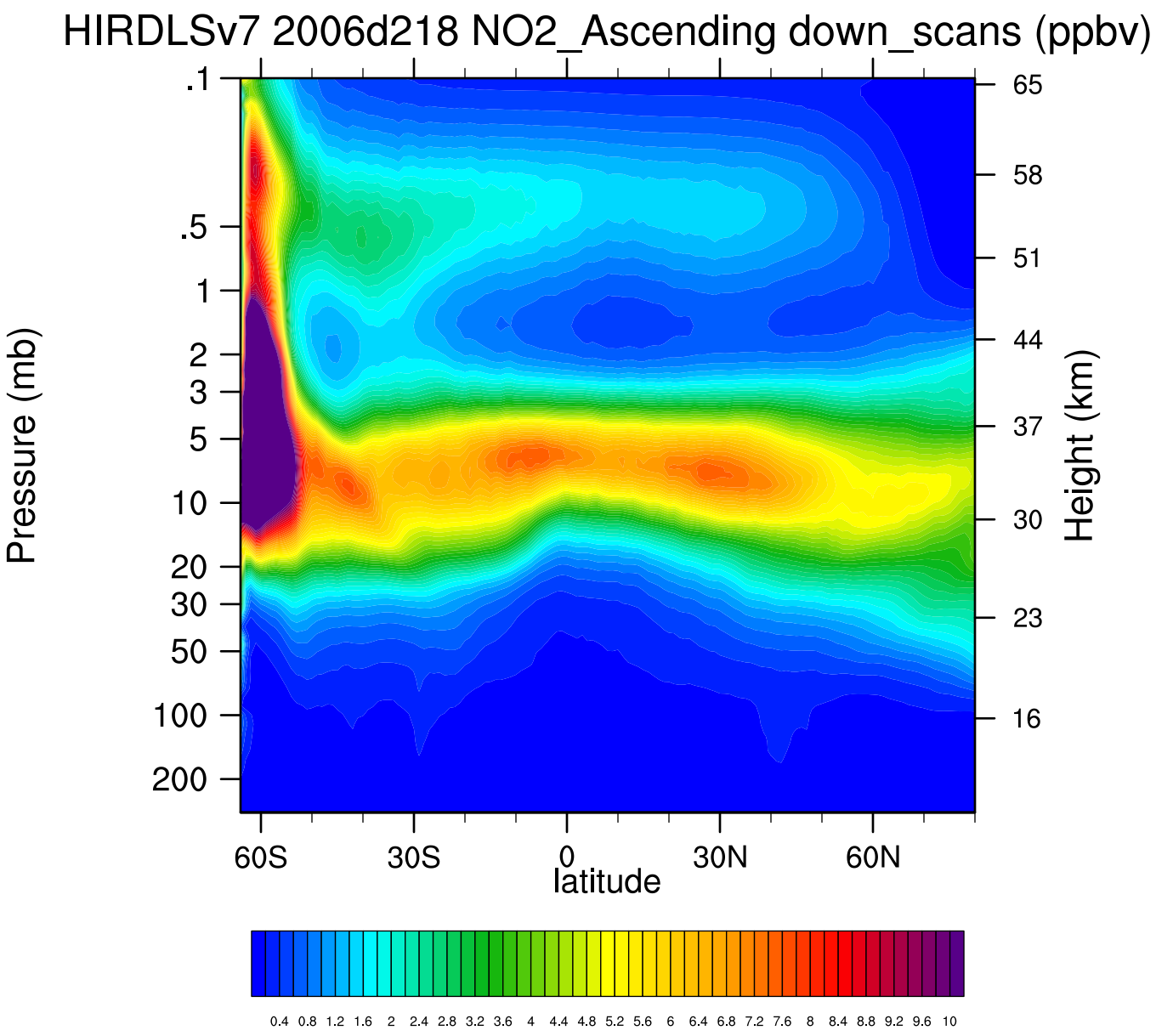

HIRDLSv7 2006d213 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

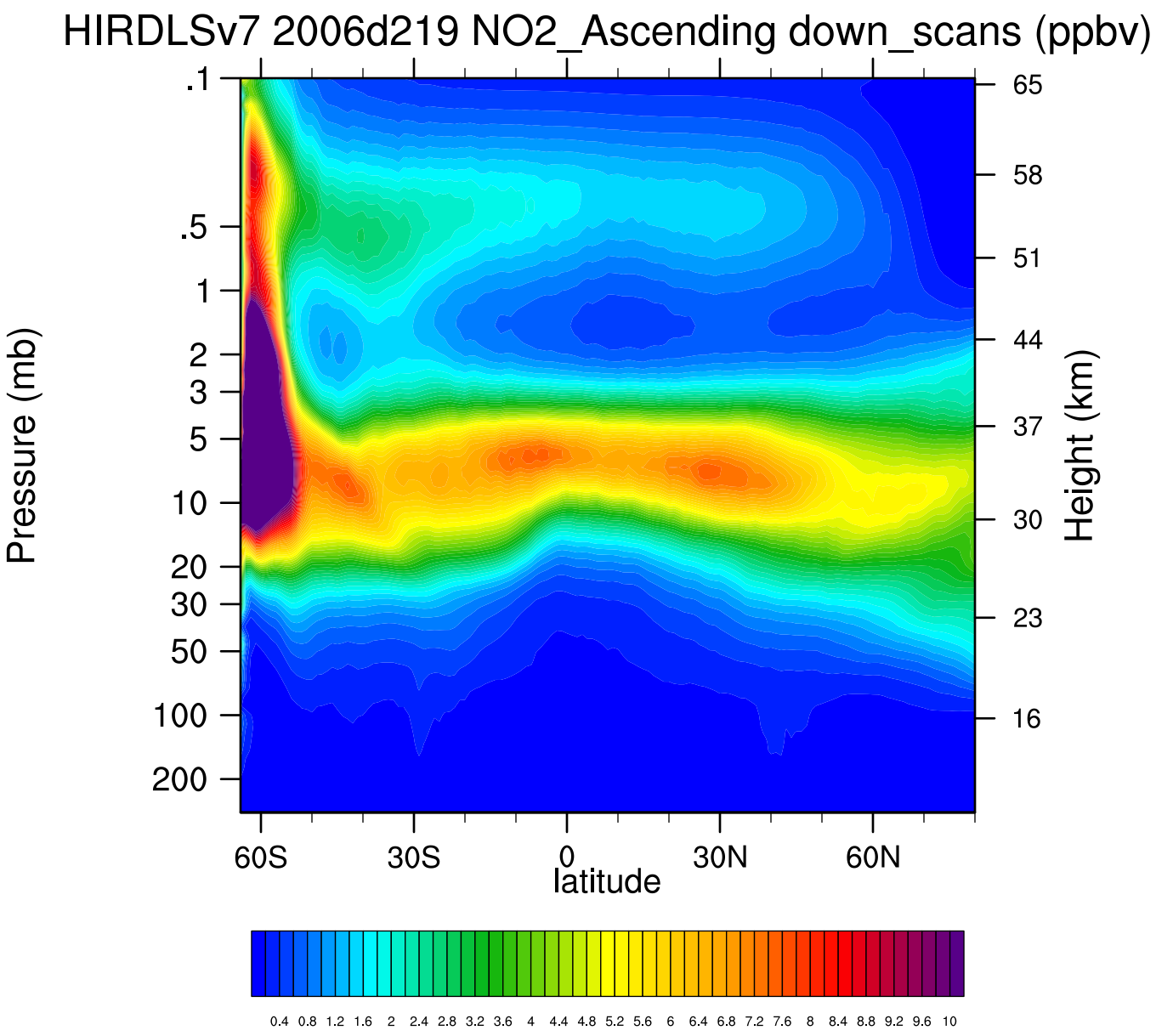

HIRDLSv7 2006d214 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

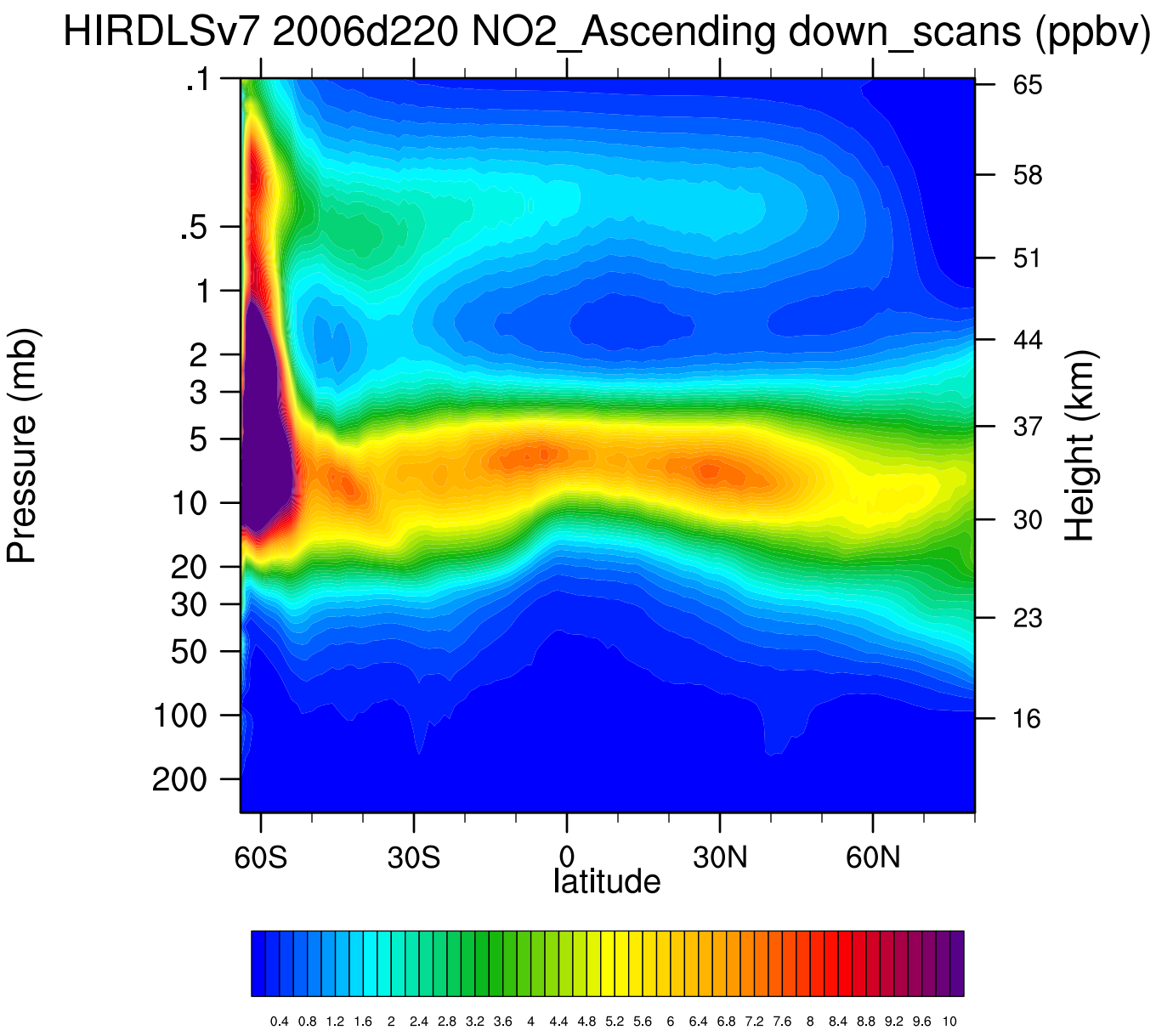

HIRDLSv7 2006d215 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

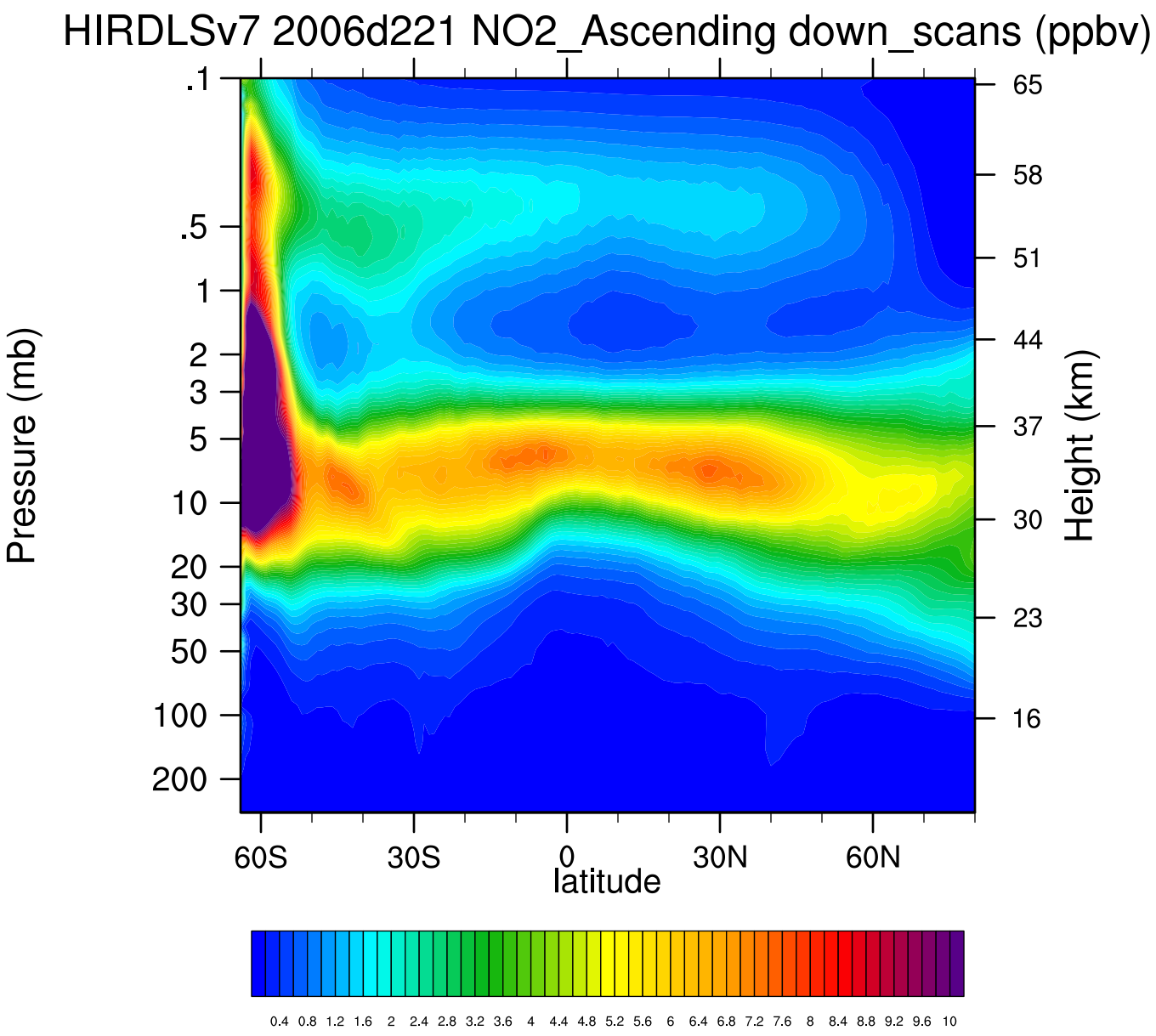

HIRDLSv7 2006d216 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

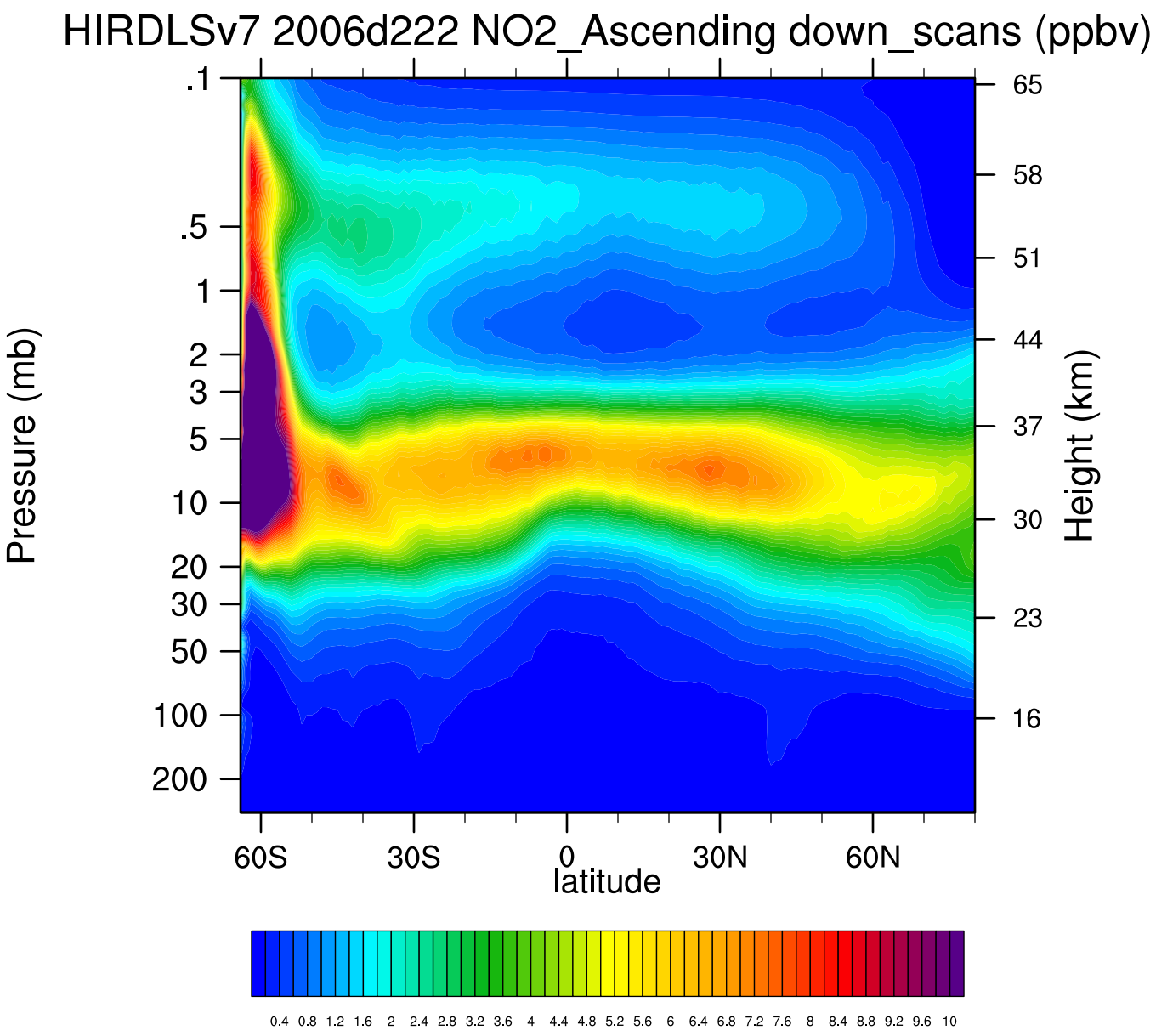

HIRDLSv7 2006d217 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

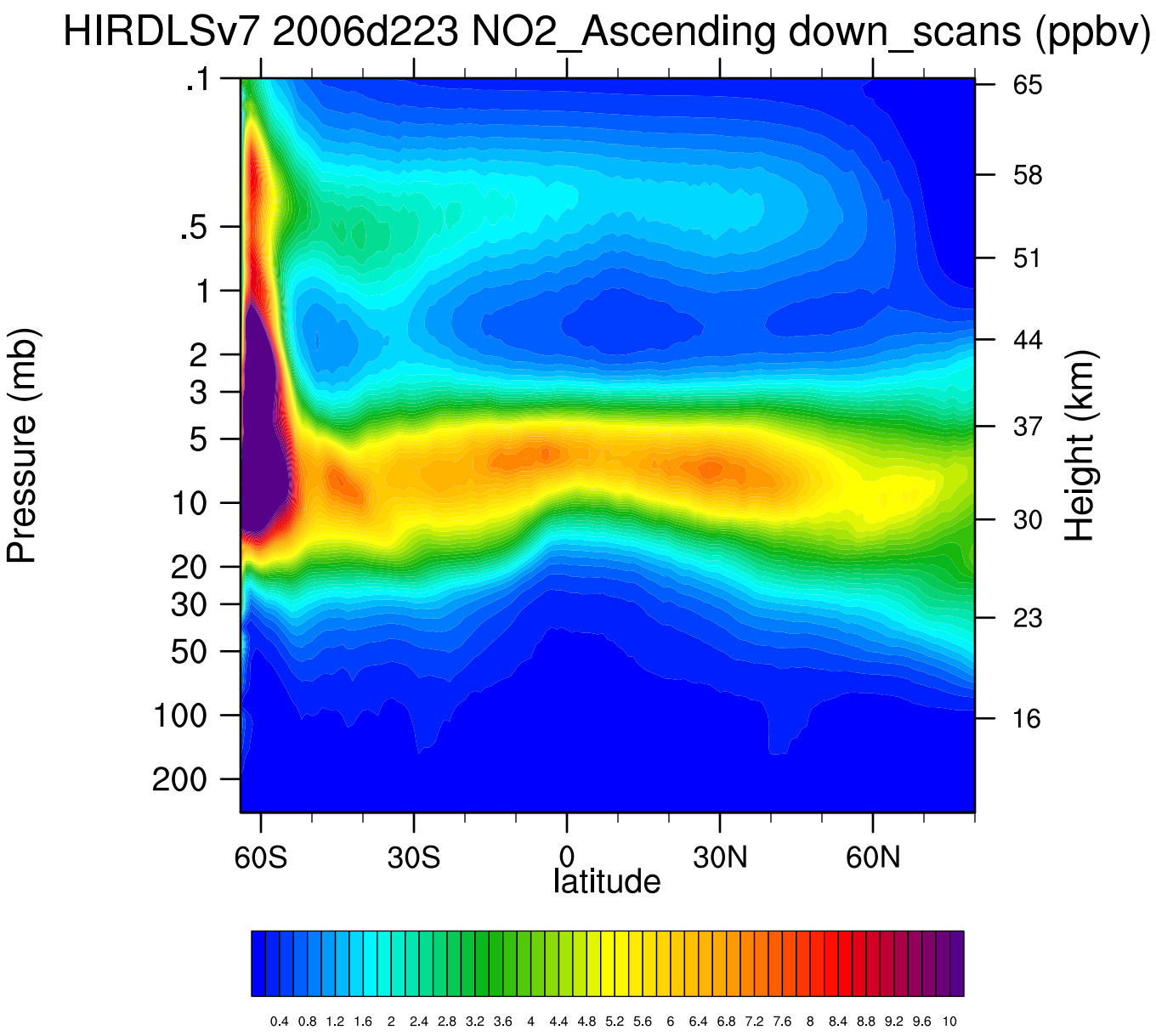

HIRDLSv7 2006d218 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

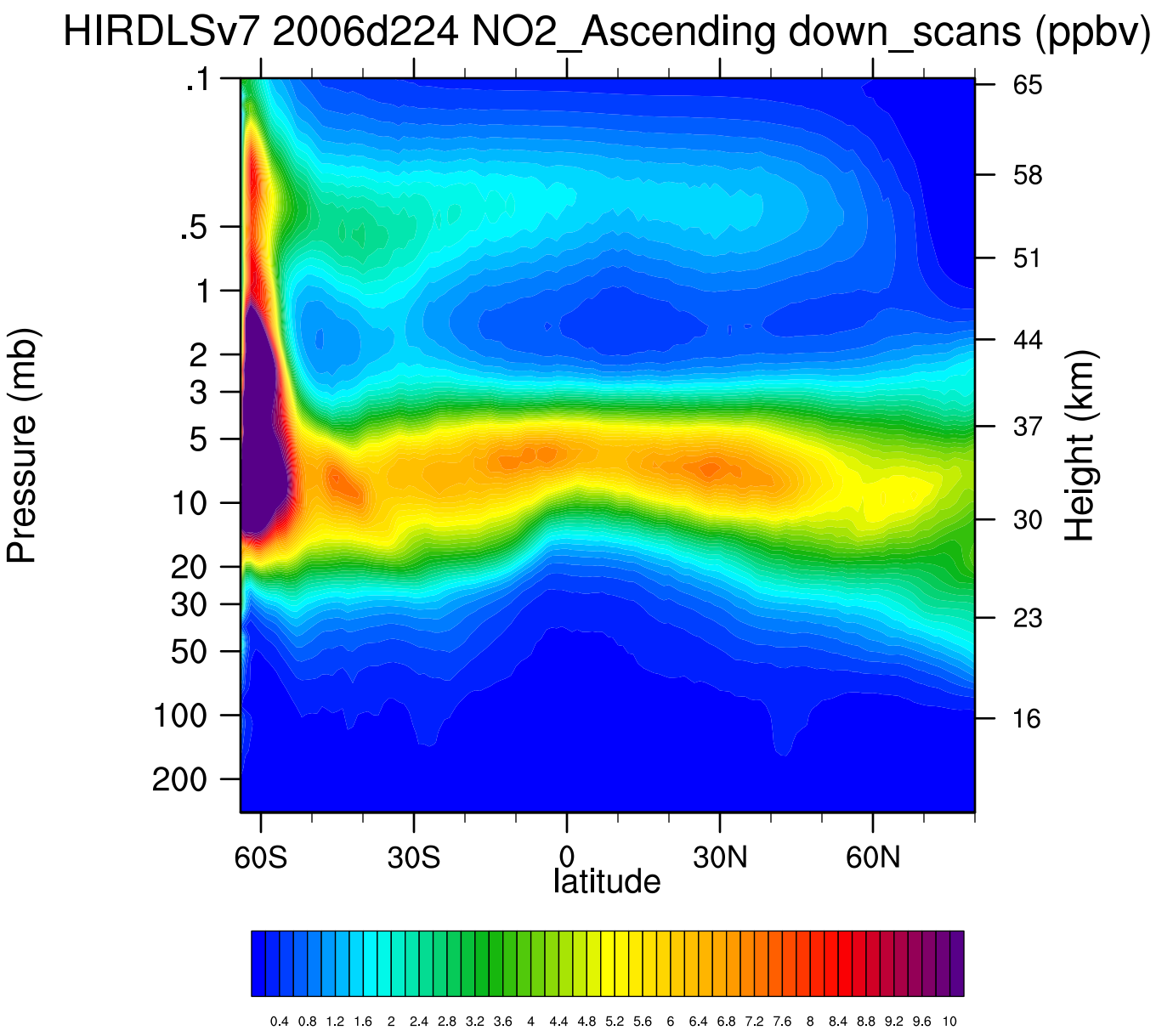

HIRDLSv7 2006d219 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

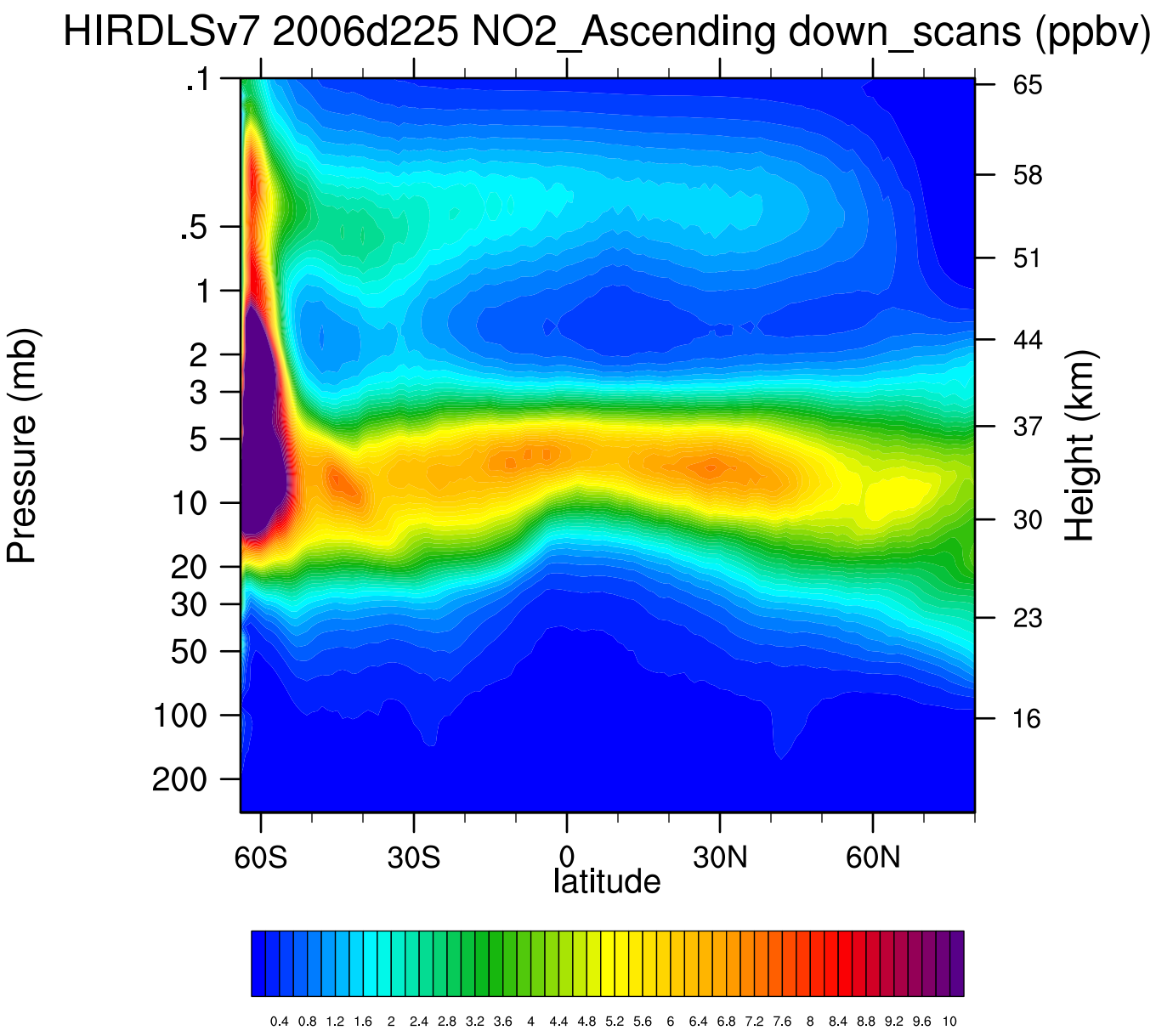

HIRDLSv7 2006d220 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

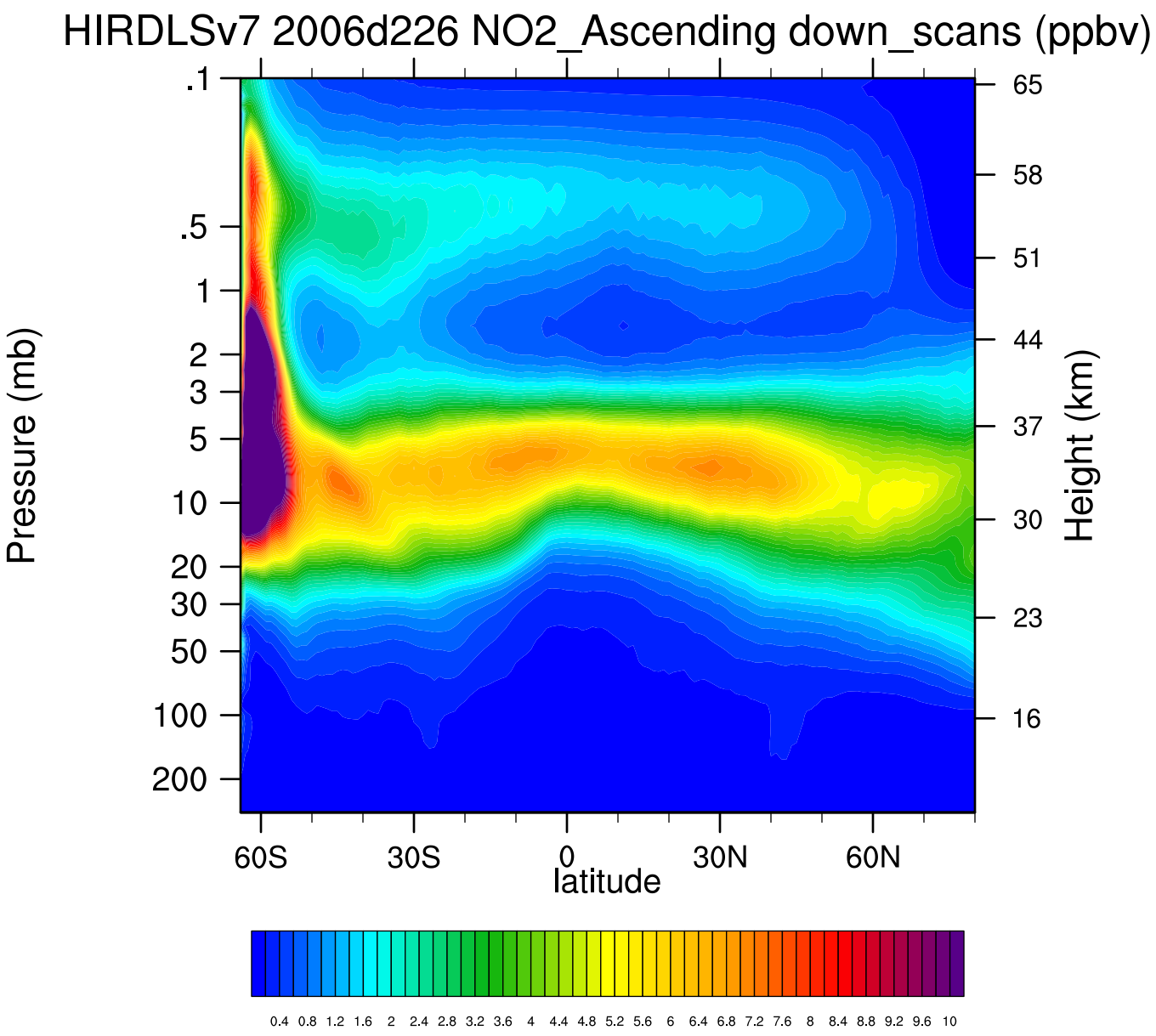

HIRDLSv7 2006d221 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

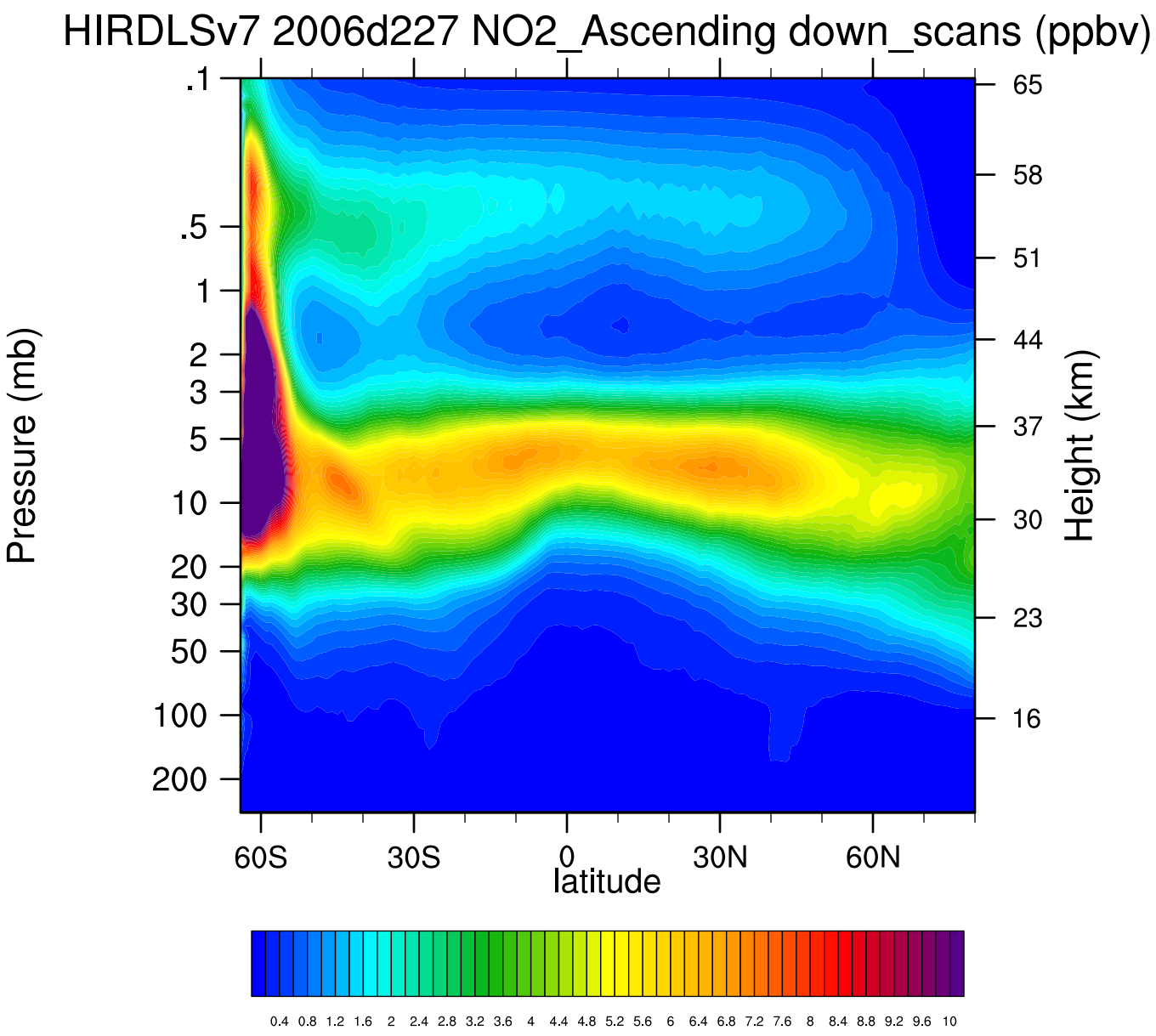

HIRDLSv7 2006d222 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

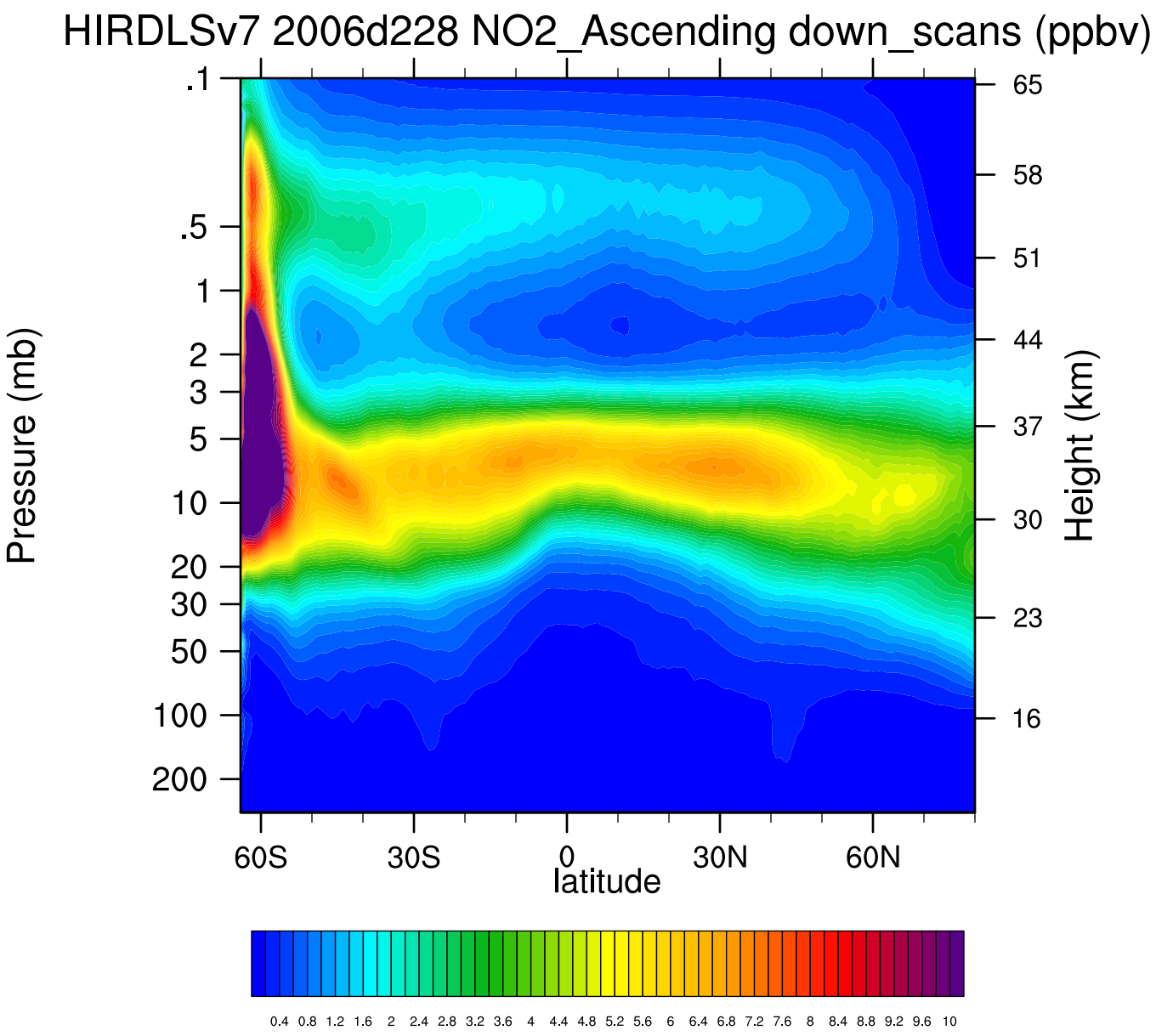

HIRDLSv7 2006d223 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

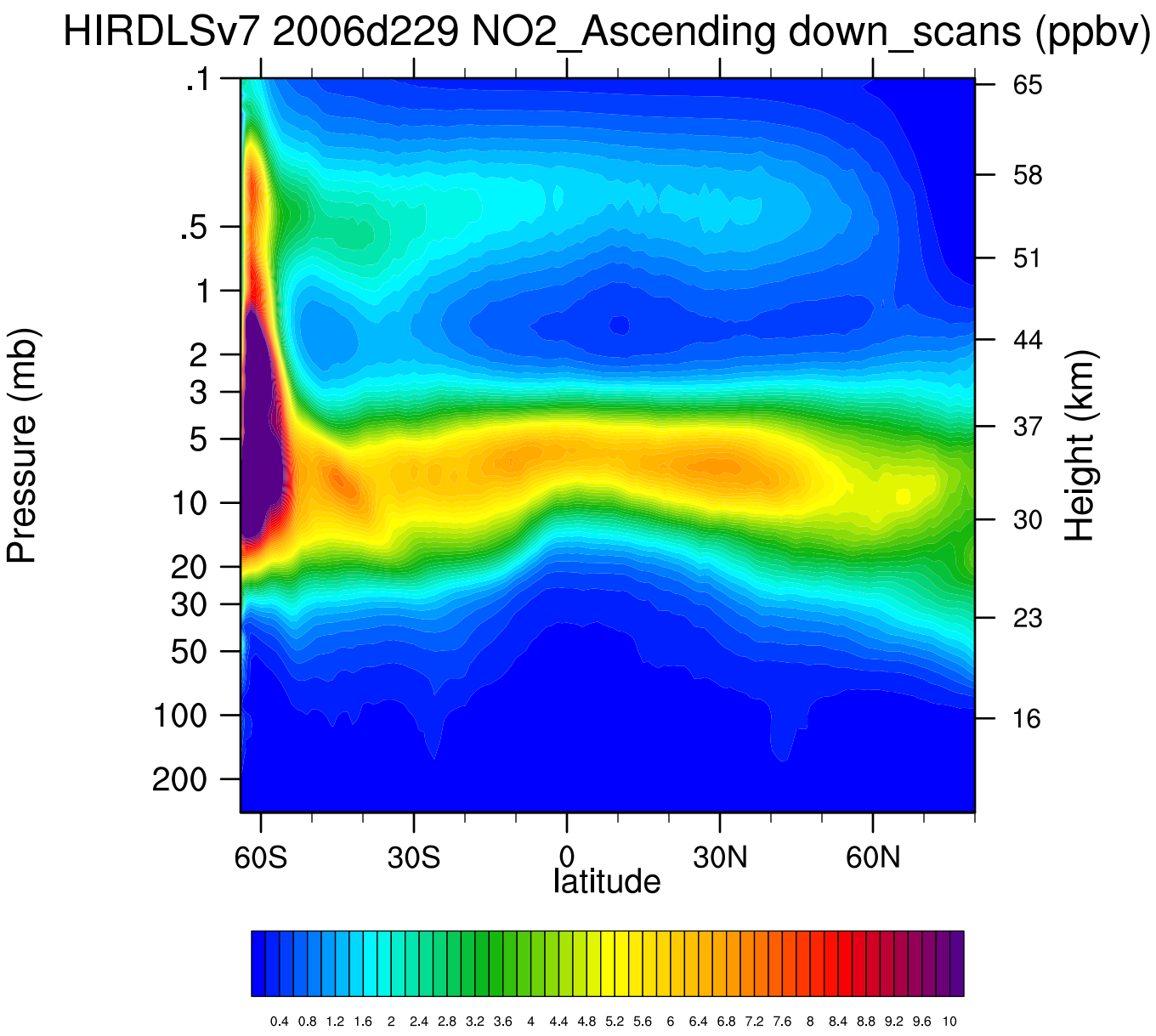

HIRDLSv7 2006d224 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

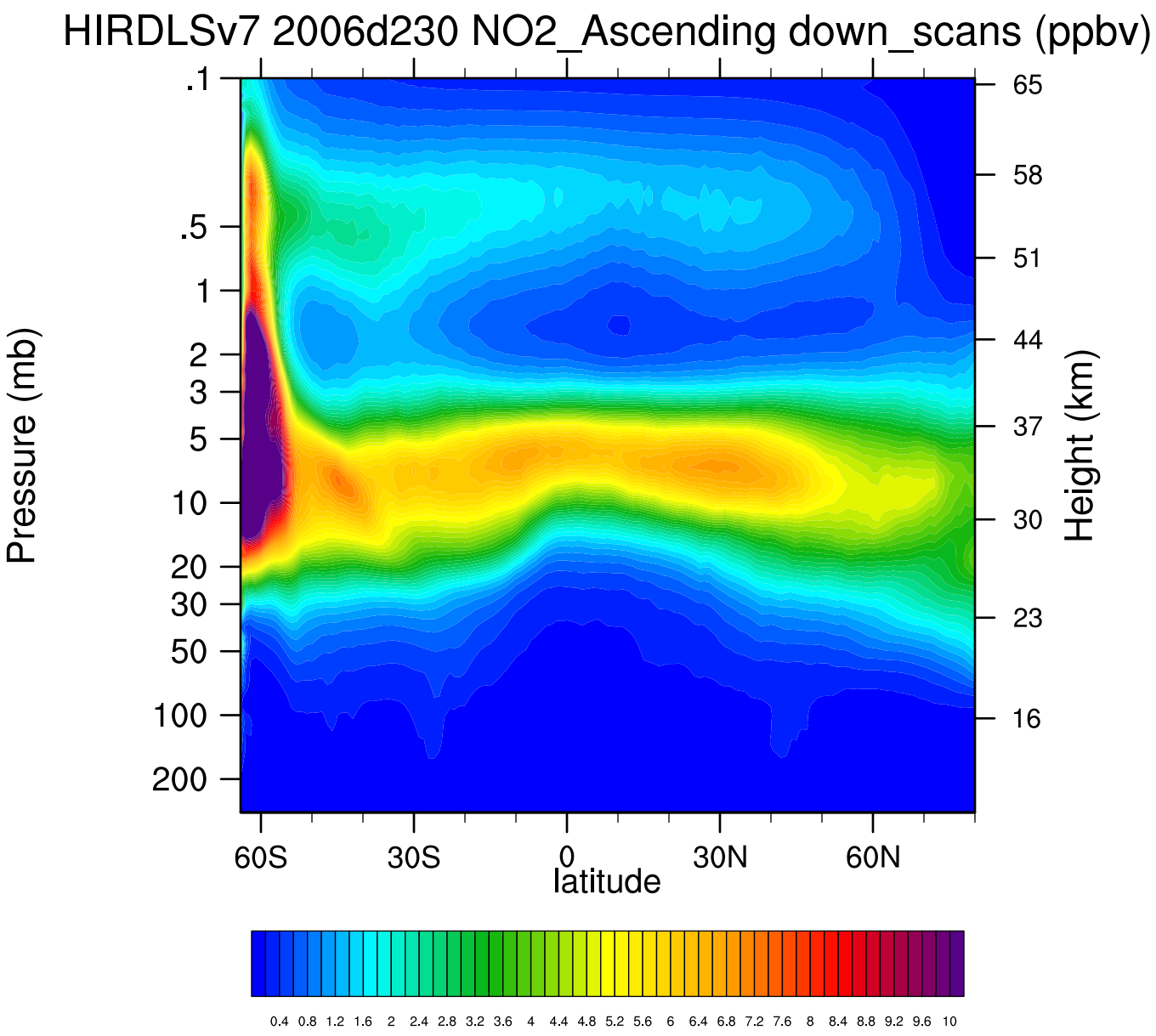

HIRDLSv7 2006d225 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

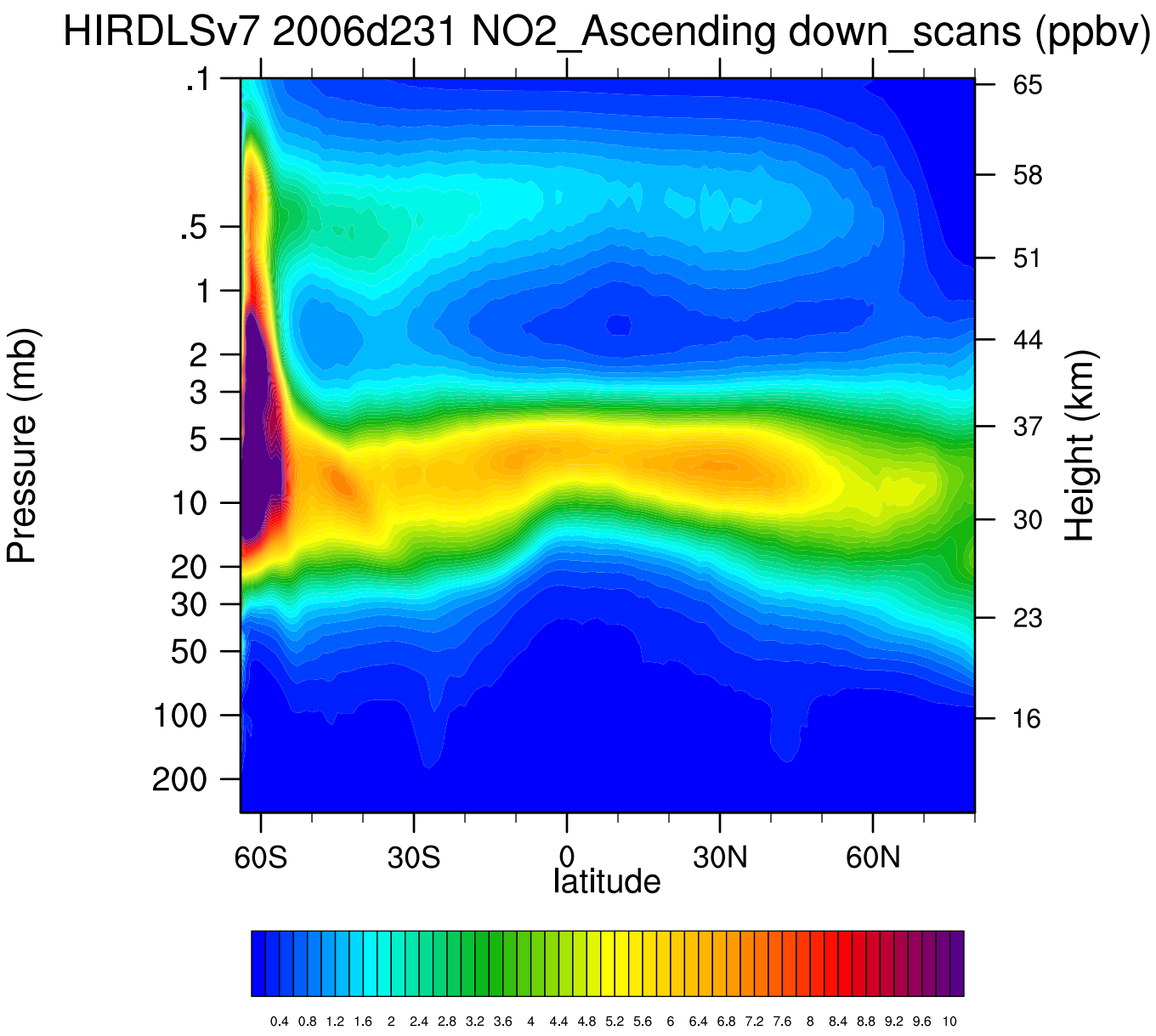

HIRDLSv7 2006d226 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

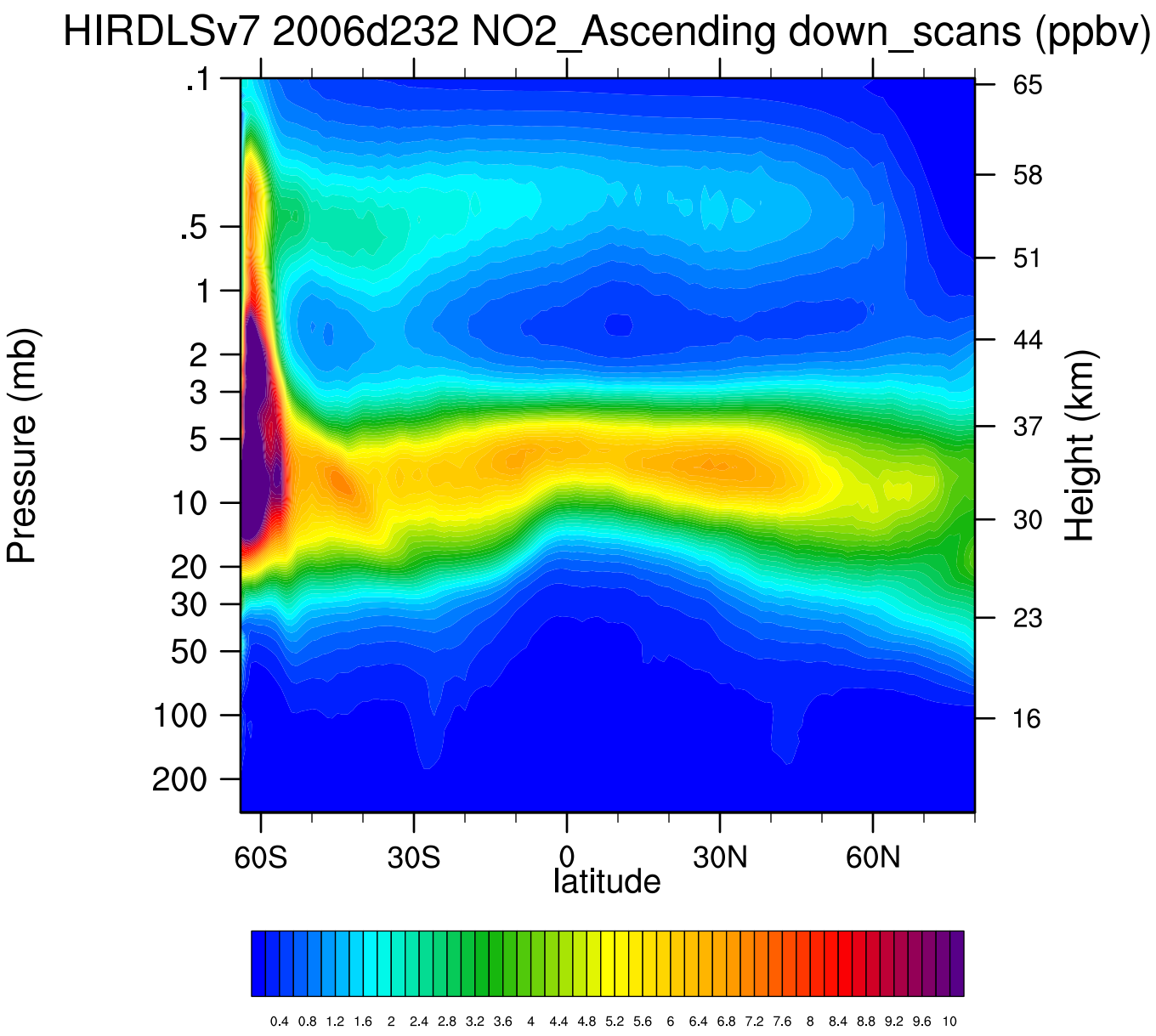

HIRDLSv7 2006d227 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

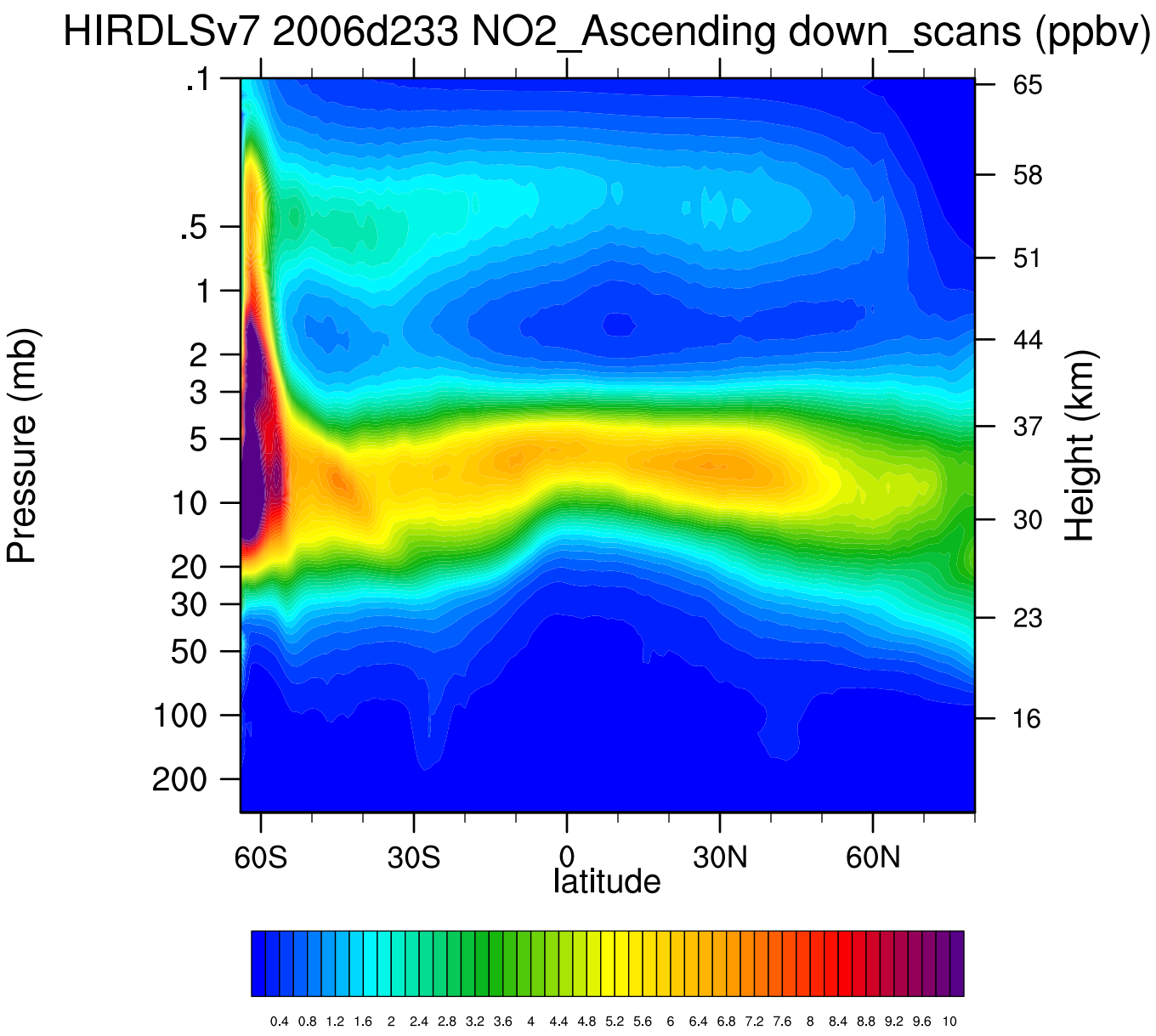

HIRDLSv7 2006d228 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

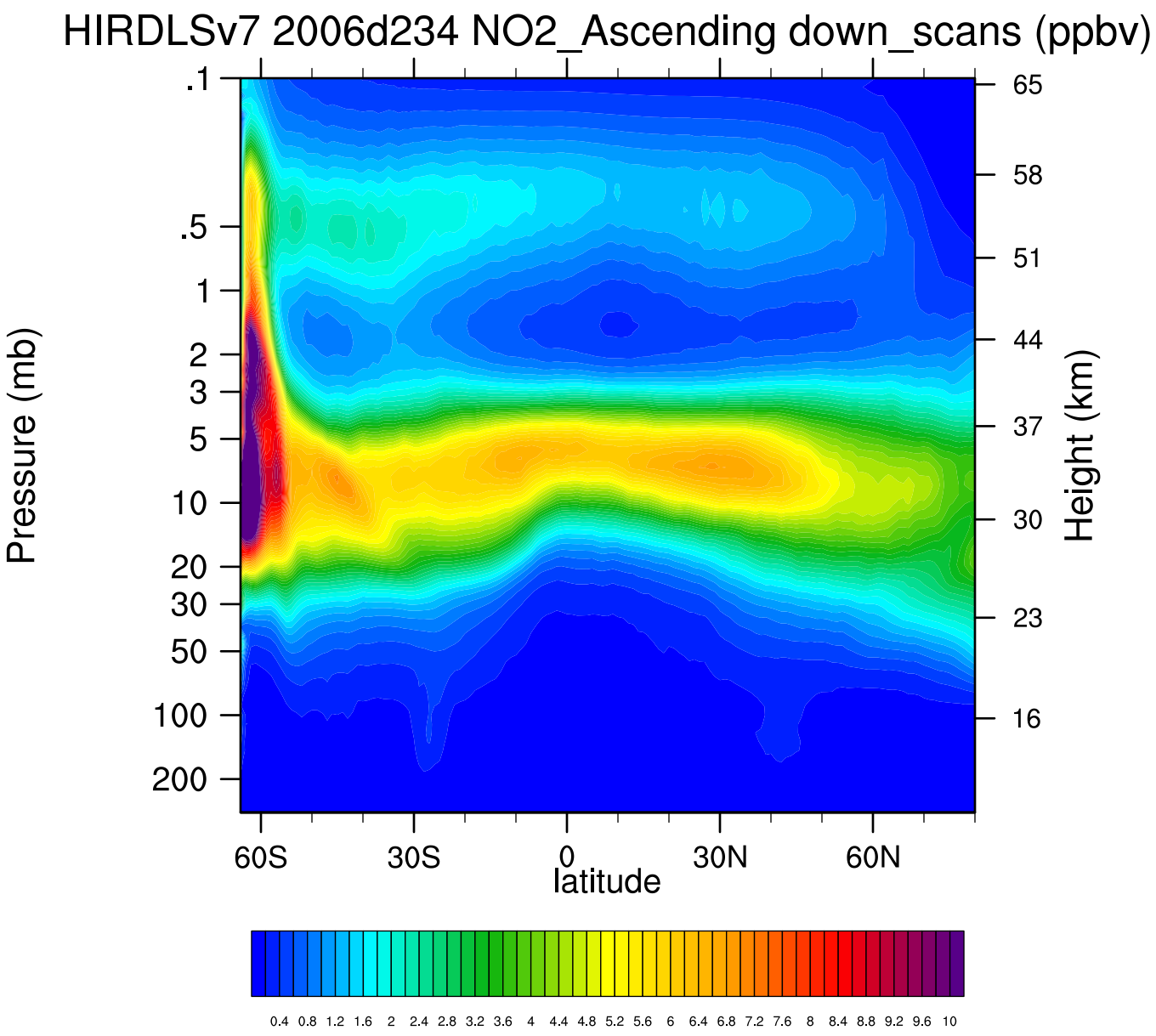

HIRDLSv7 2006d229 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

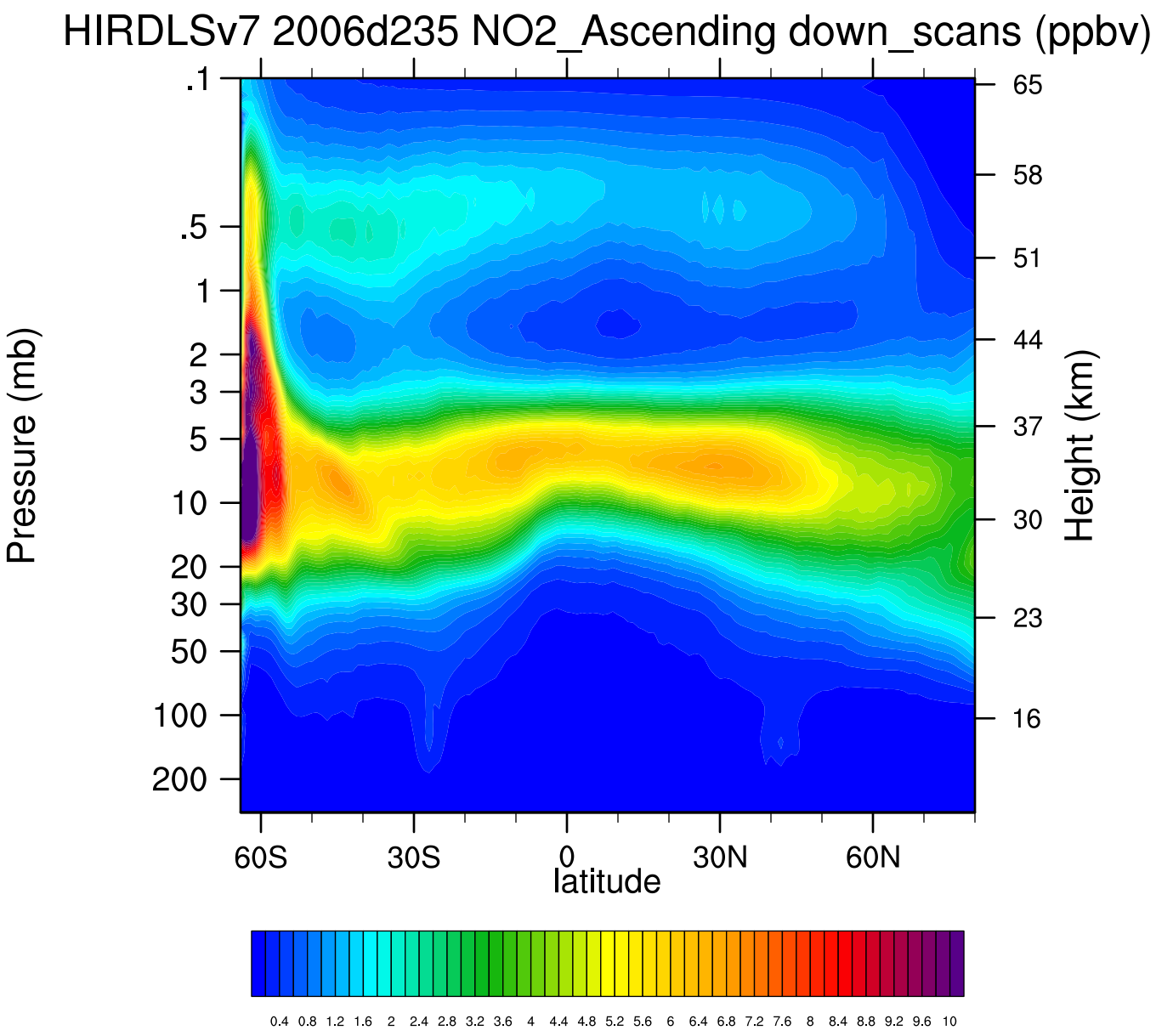

HIRDLSv7 2006d230 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

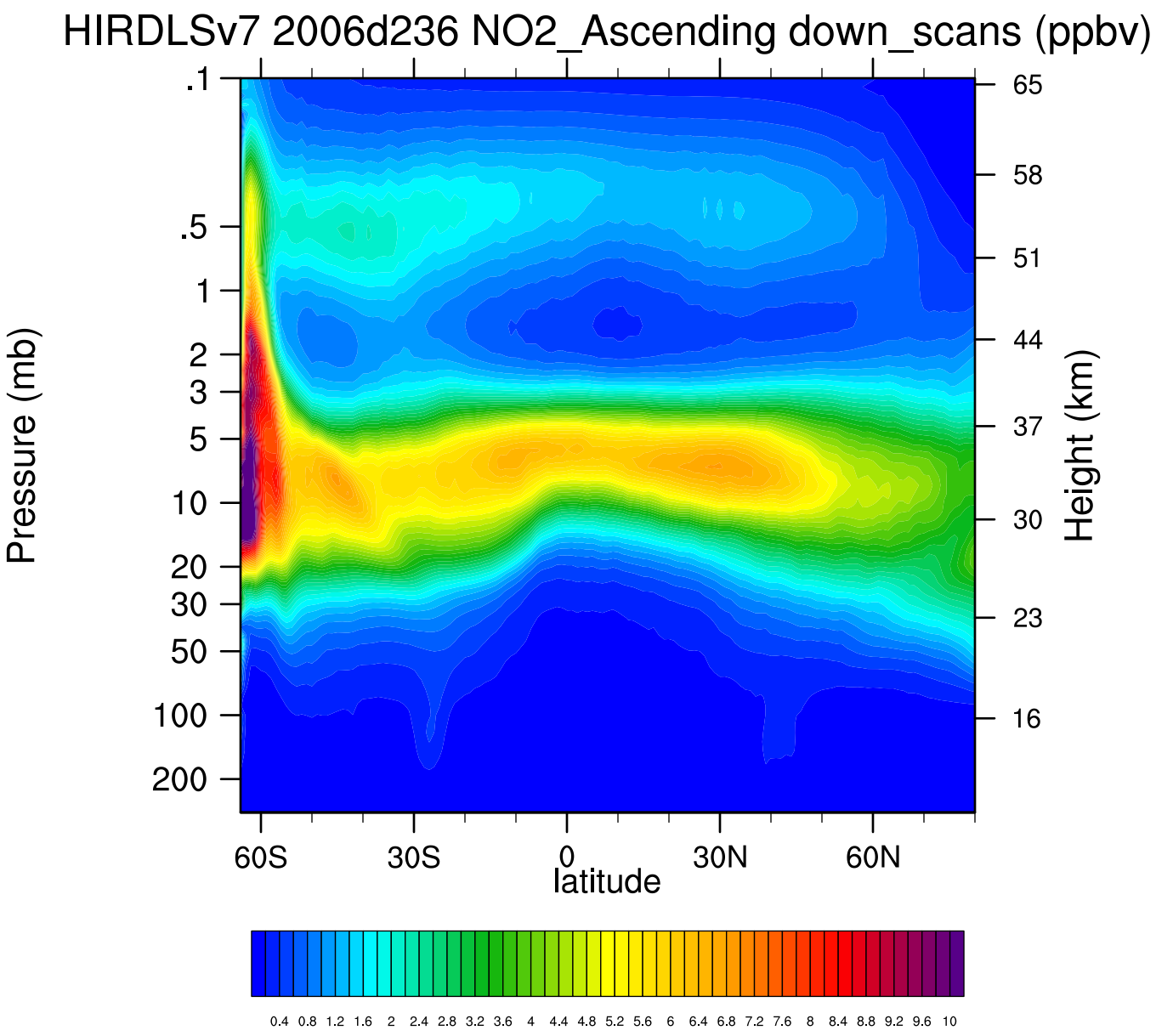

HIRDLSv7 2006d231 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

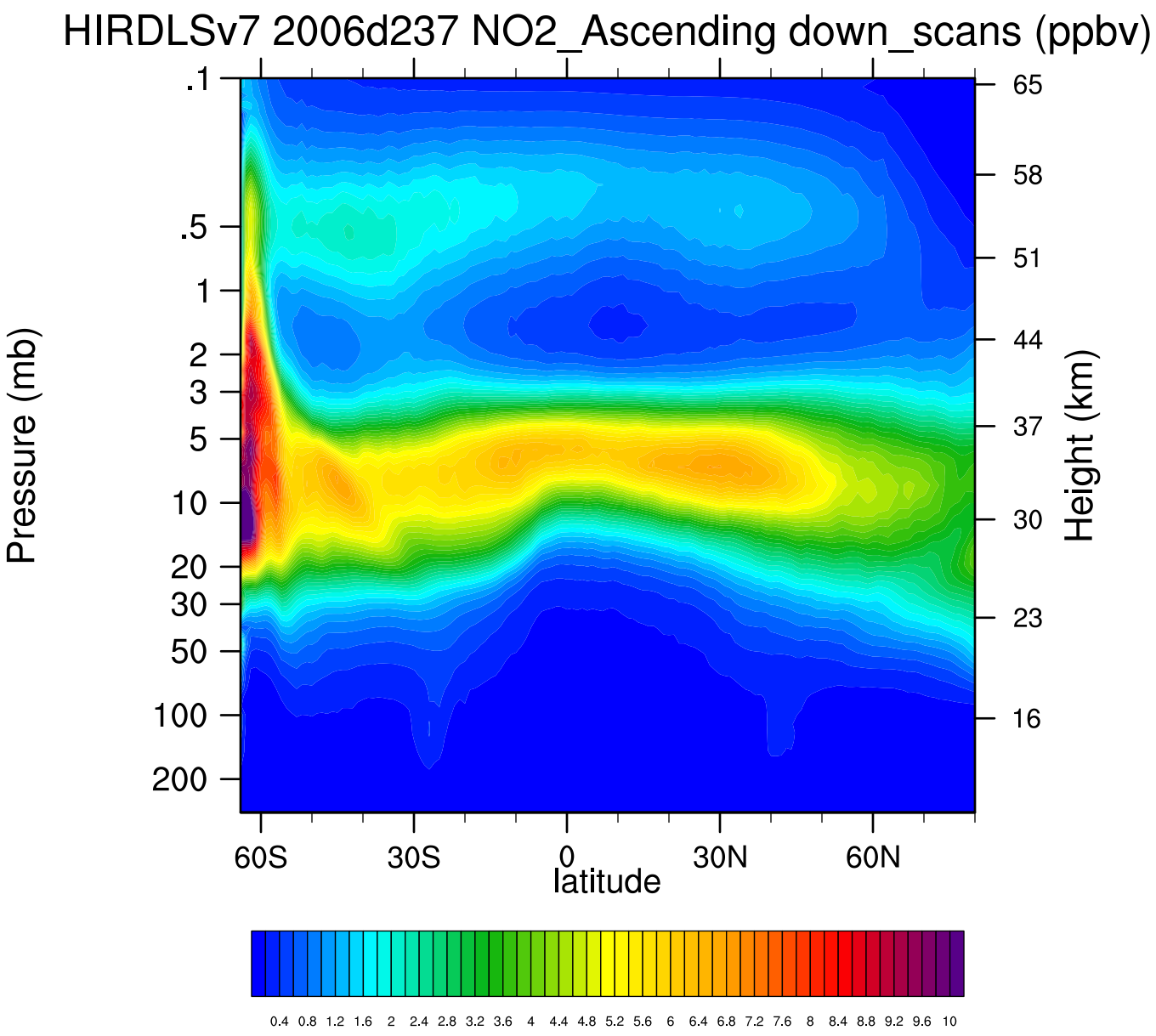

HIRDLSv7 2006d232 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

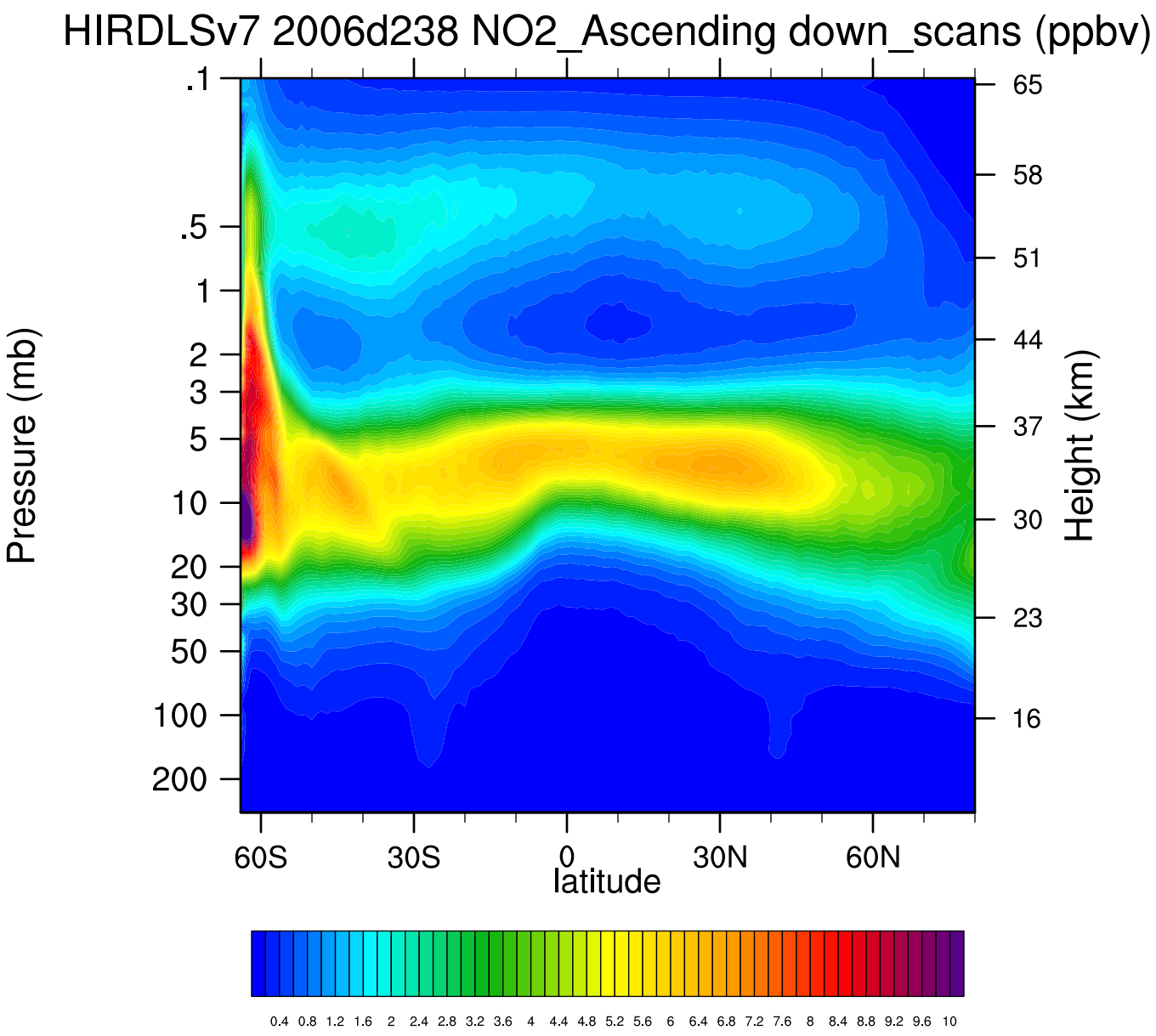

HIRDLSv7 2006d233 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

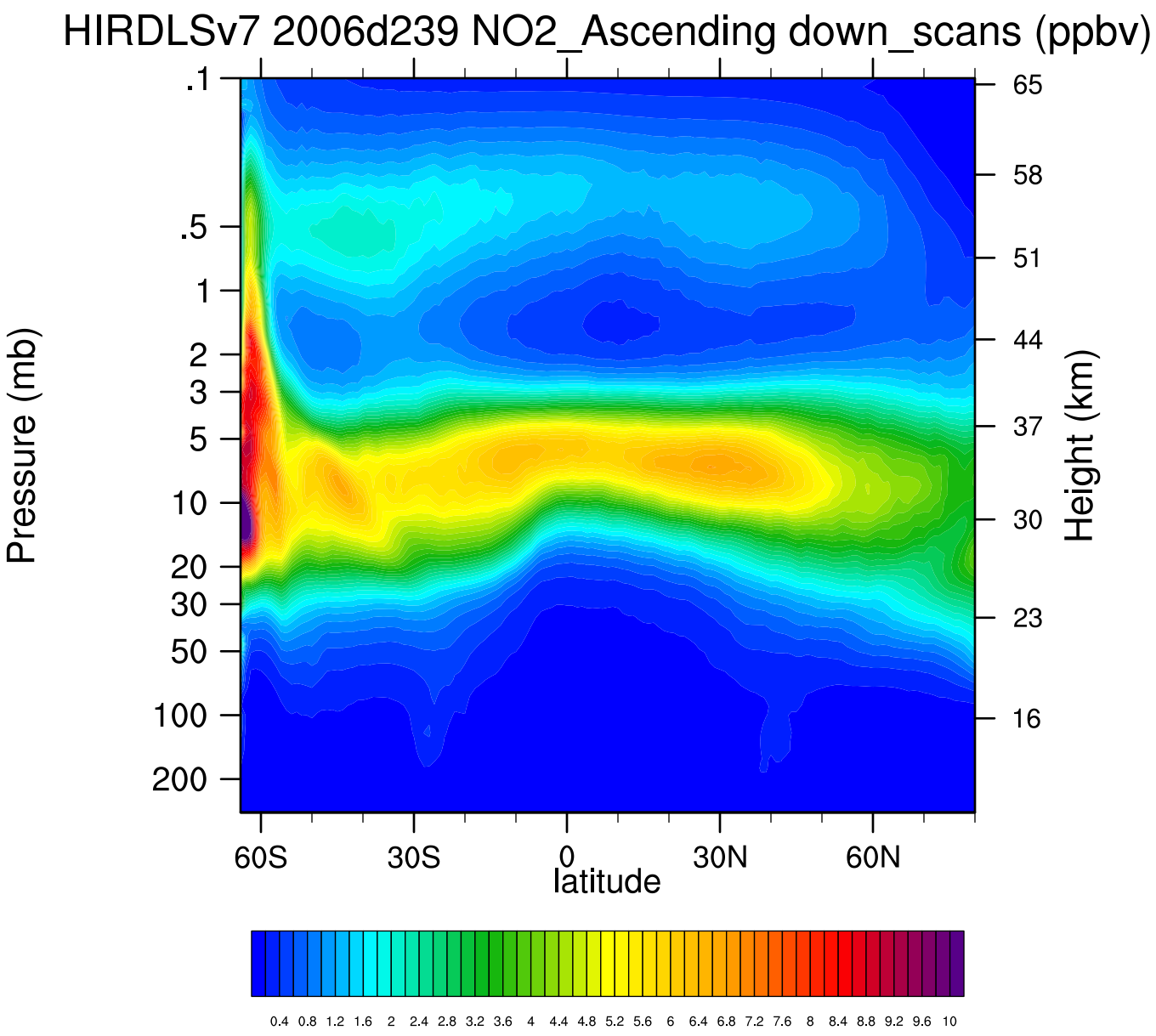

HIRDLSv7 2006d234 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

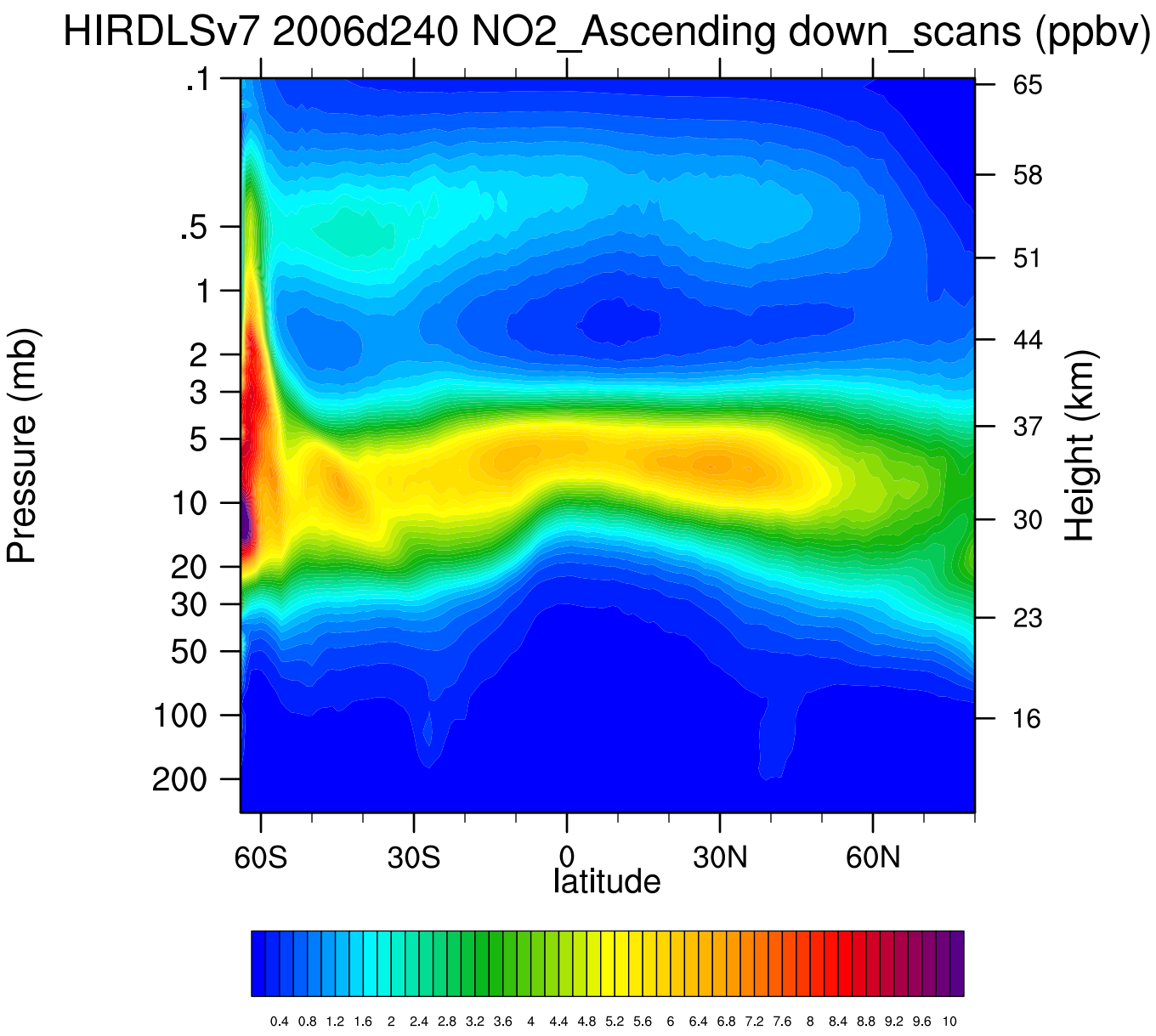

HIRDLSv7 2006d235 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

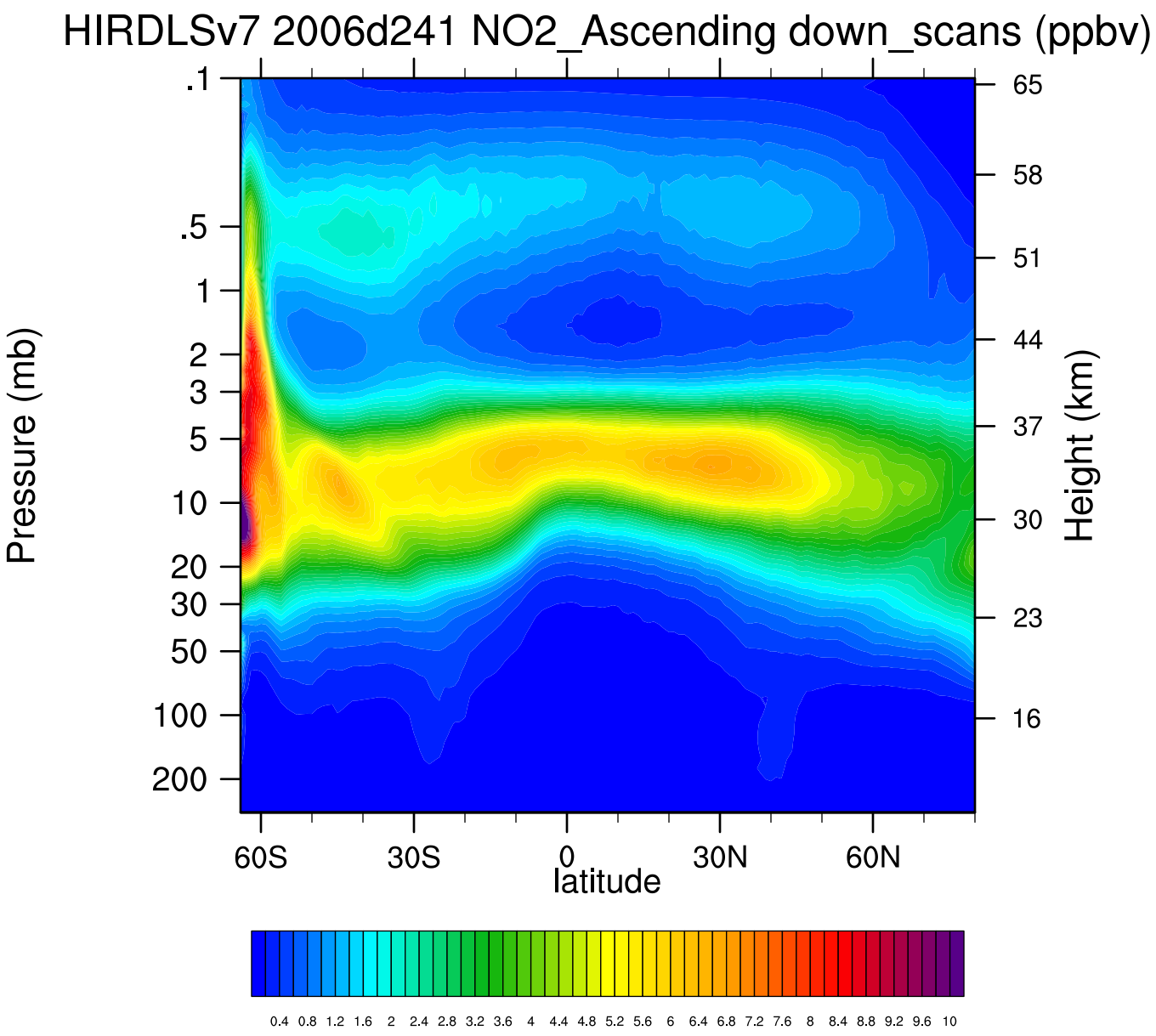

HIRDLSv7 2006d236 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

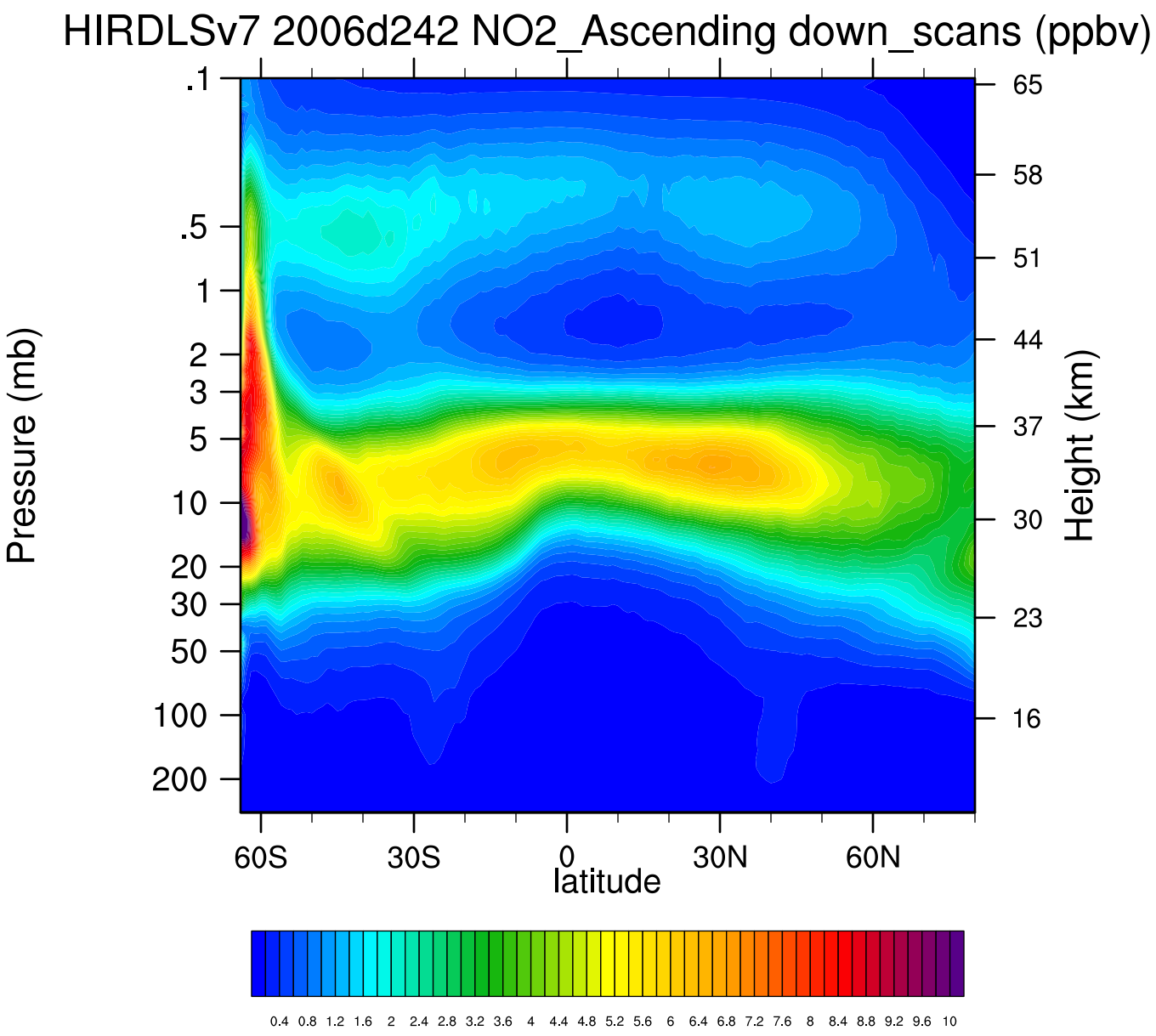

HIRDLSv7 2006d237 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

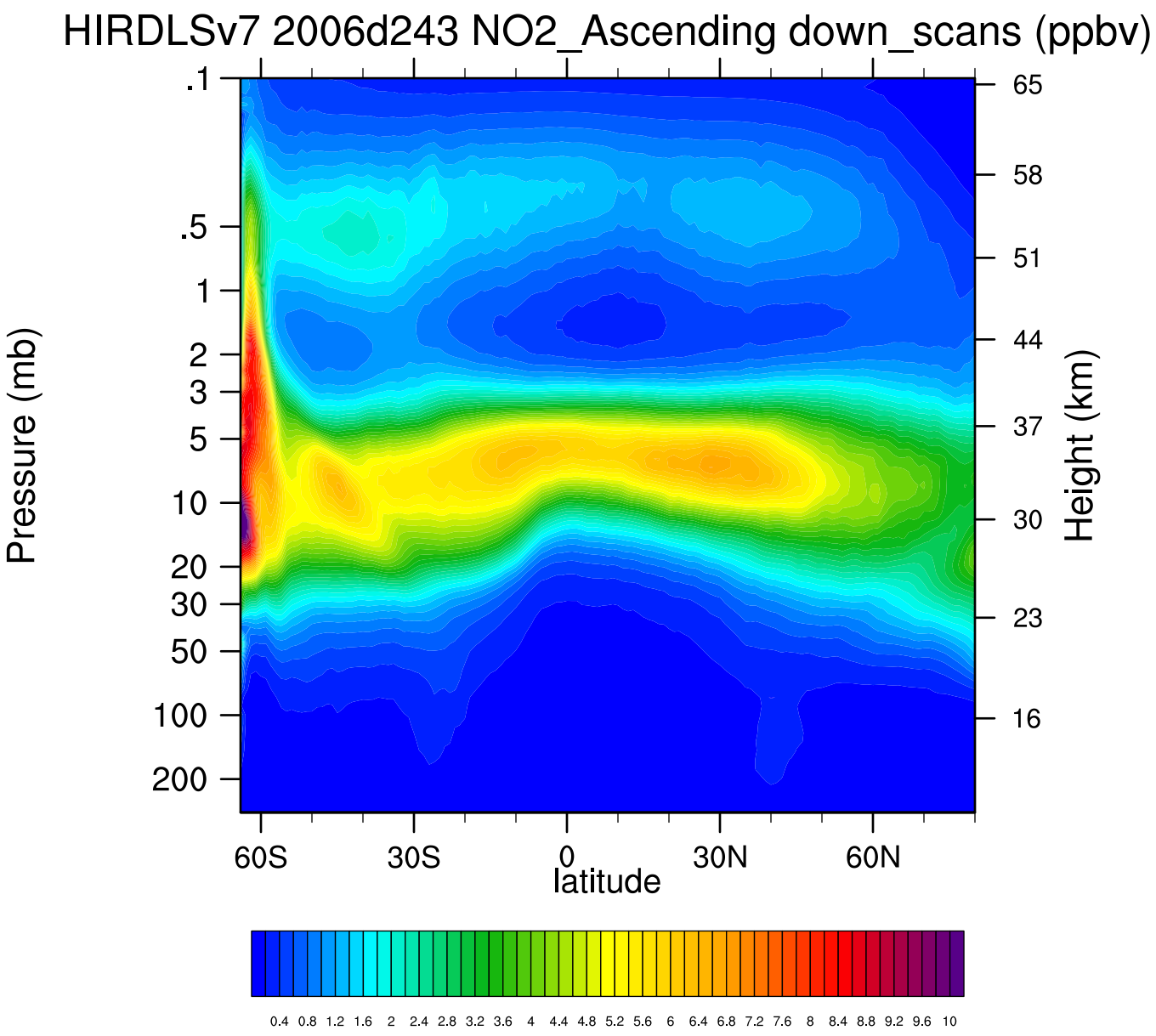

HIRDLSv7 2006d238 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

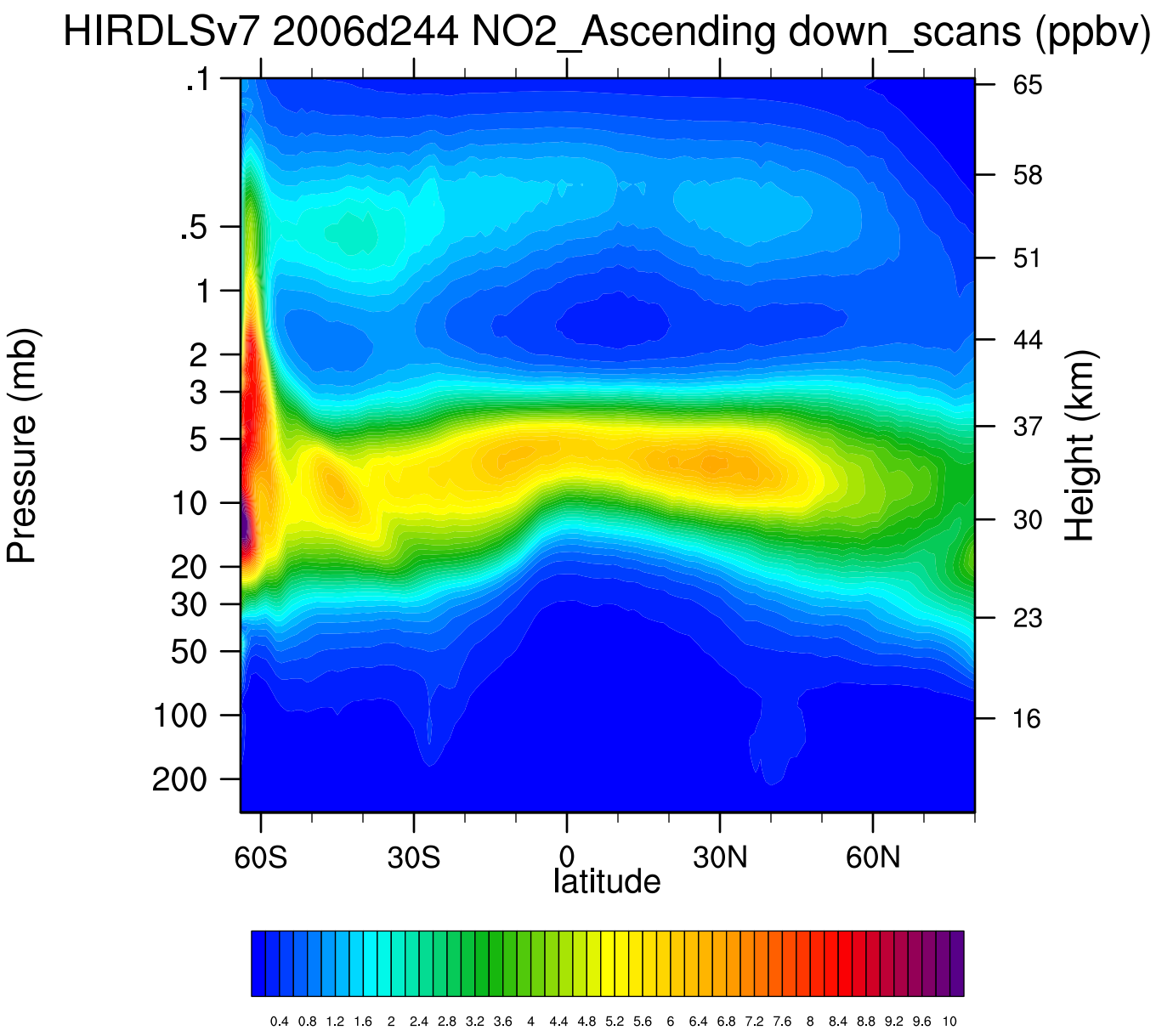

HIRDLSv7 2006d239 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

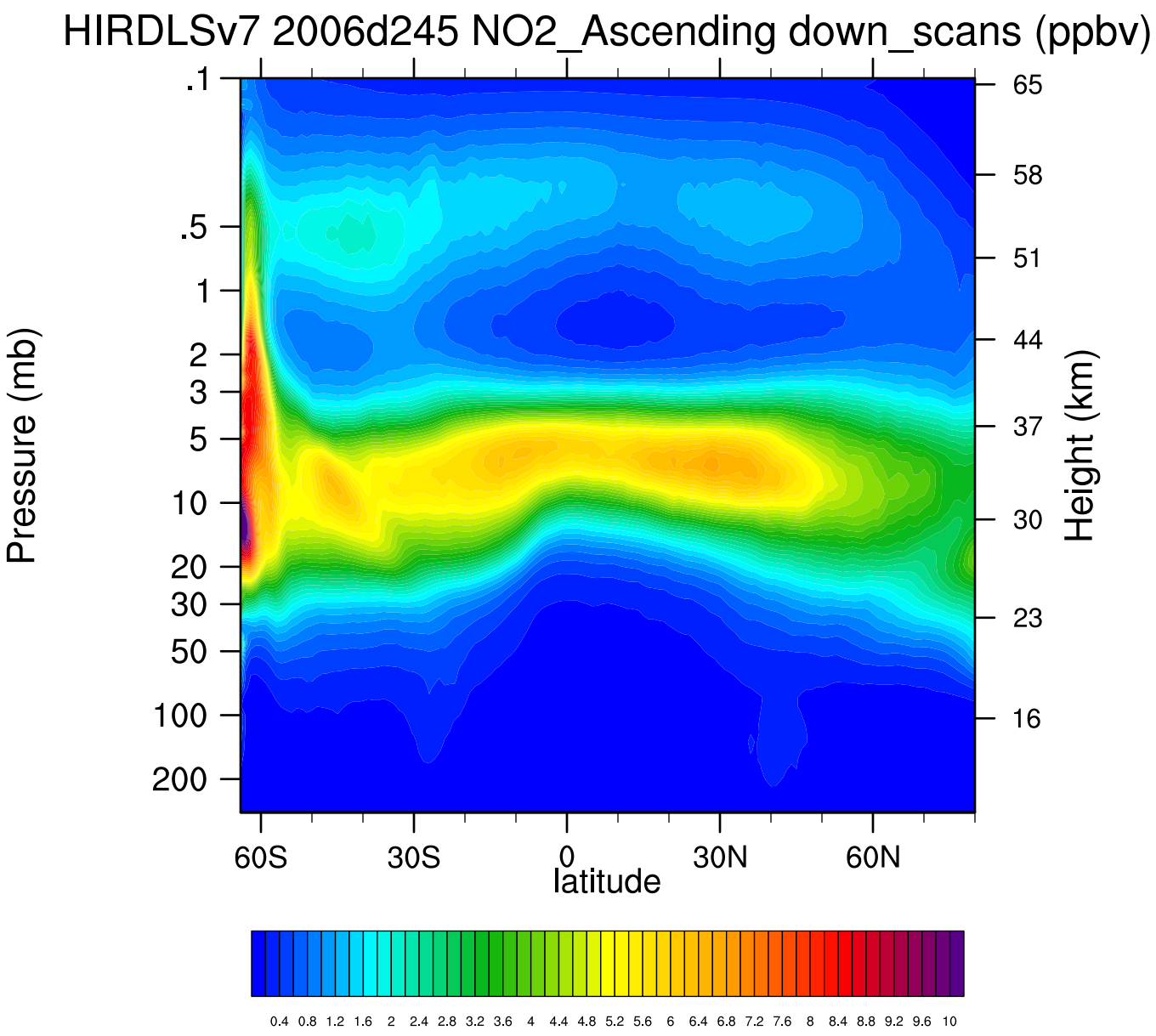

HIRDLSv7 2006d240 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

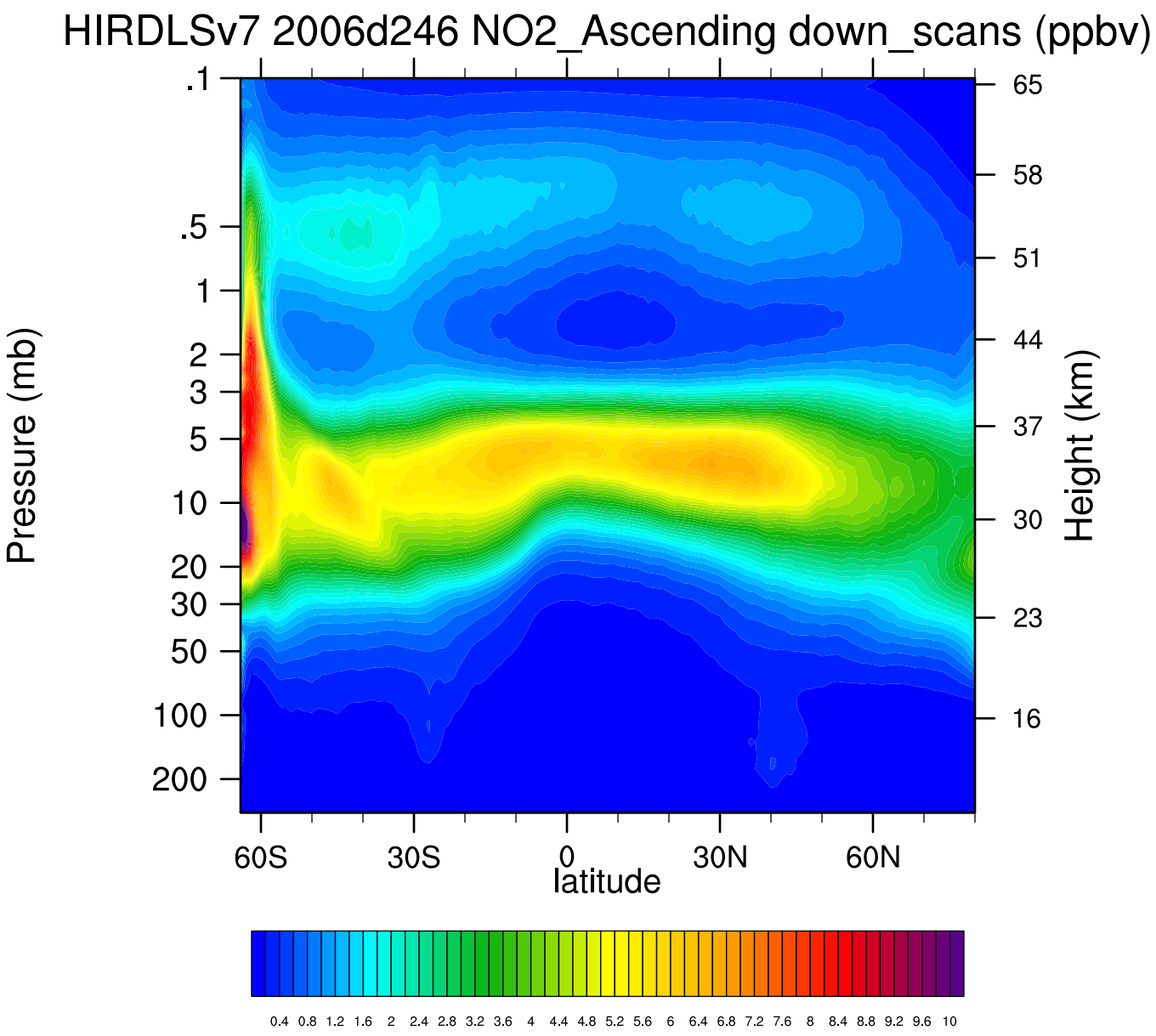

HIRDLSv7 2006d241 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

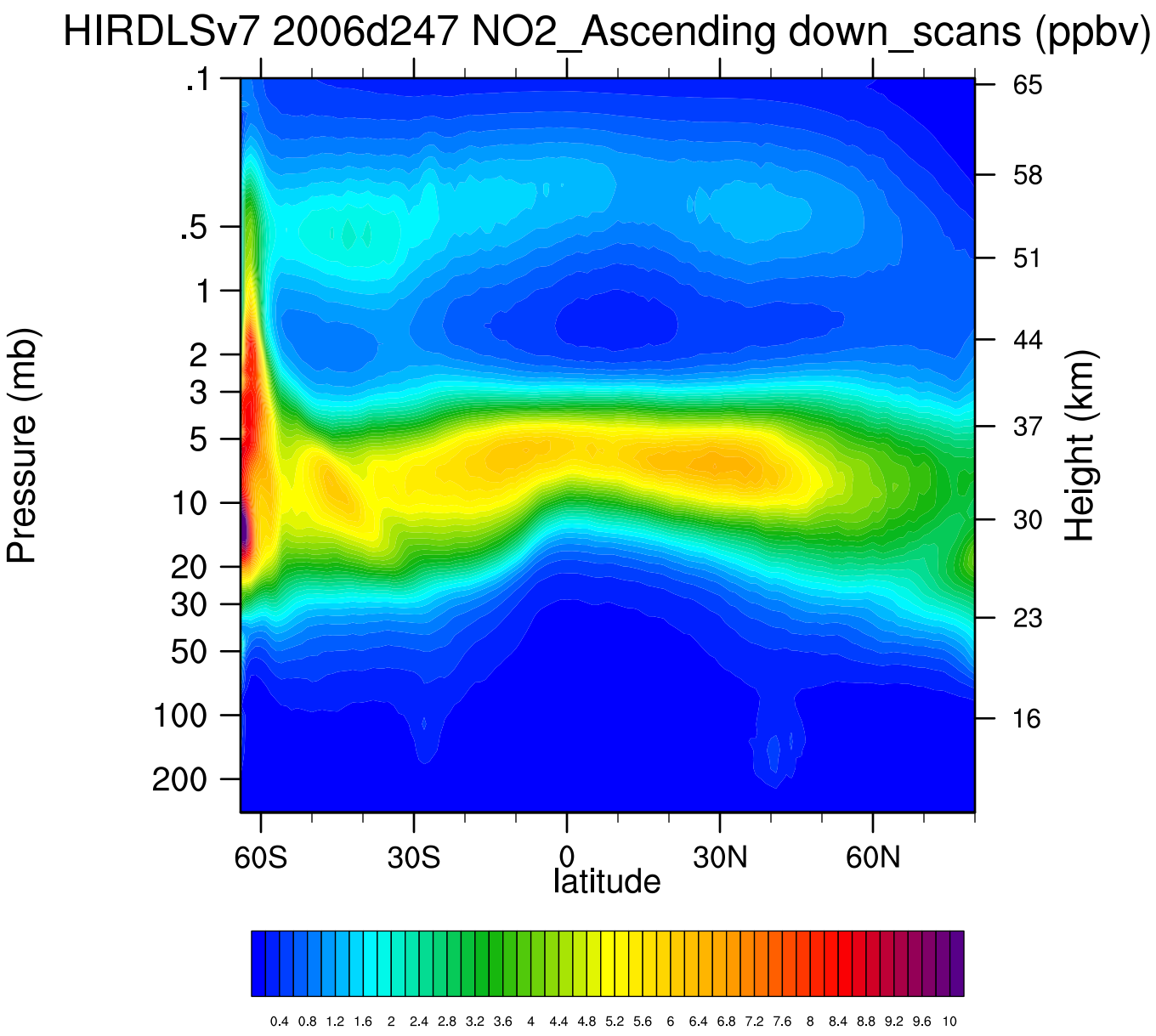

HIRDLSv7 2006d242 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

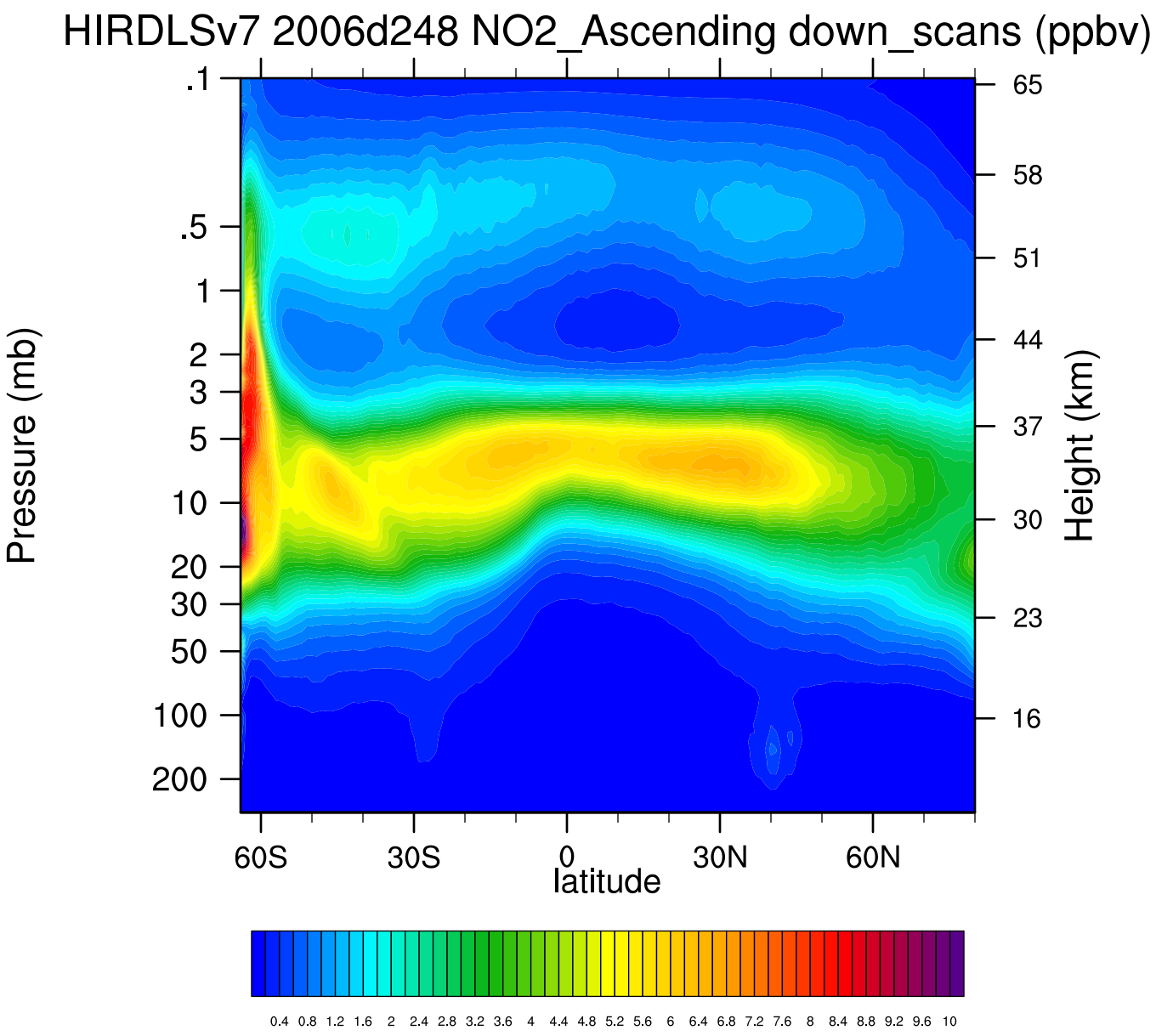

HIRDLSv7 2006d243 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

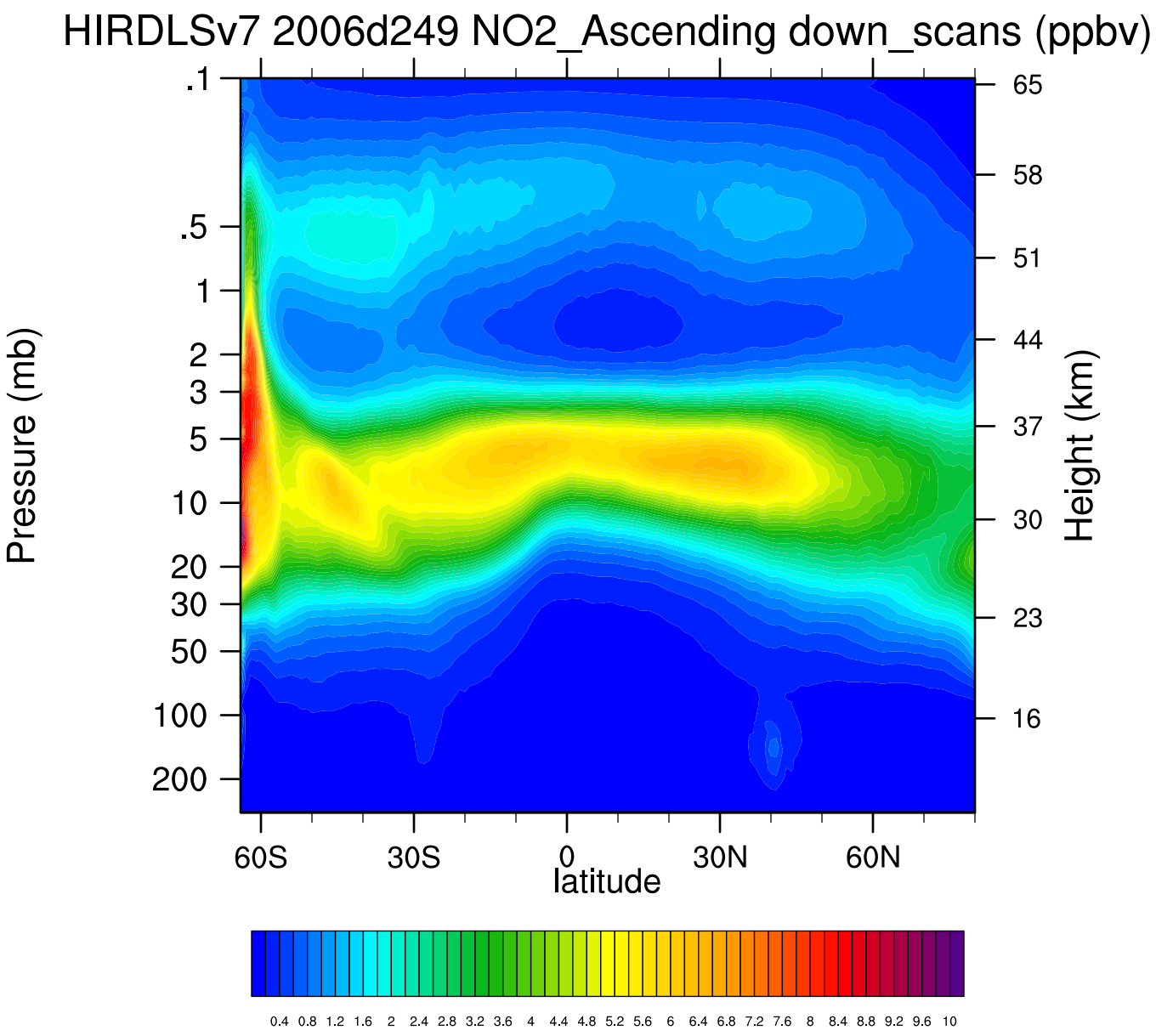

HIRDLSv7 2006d244 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

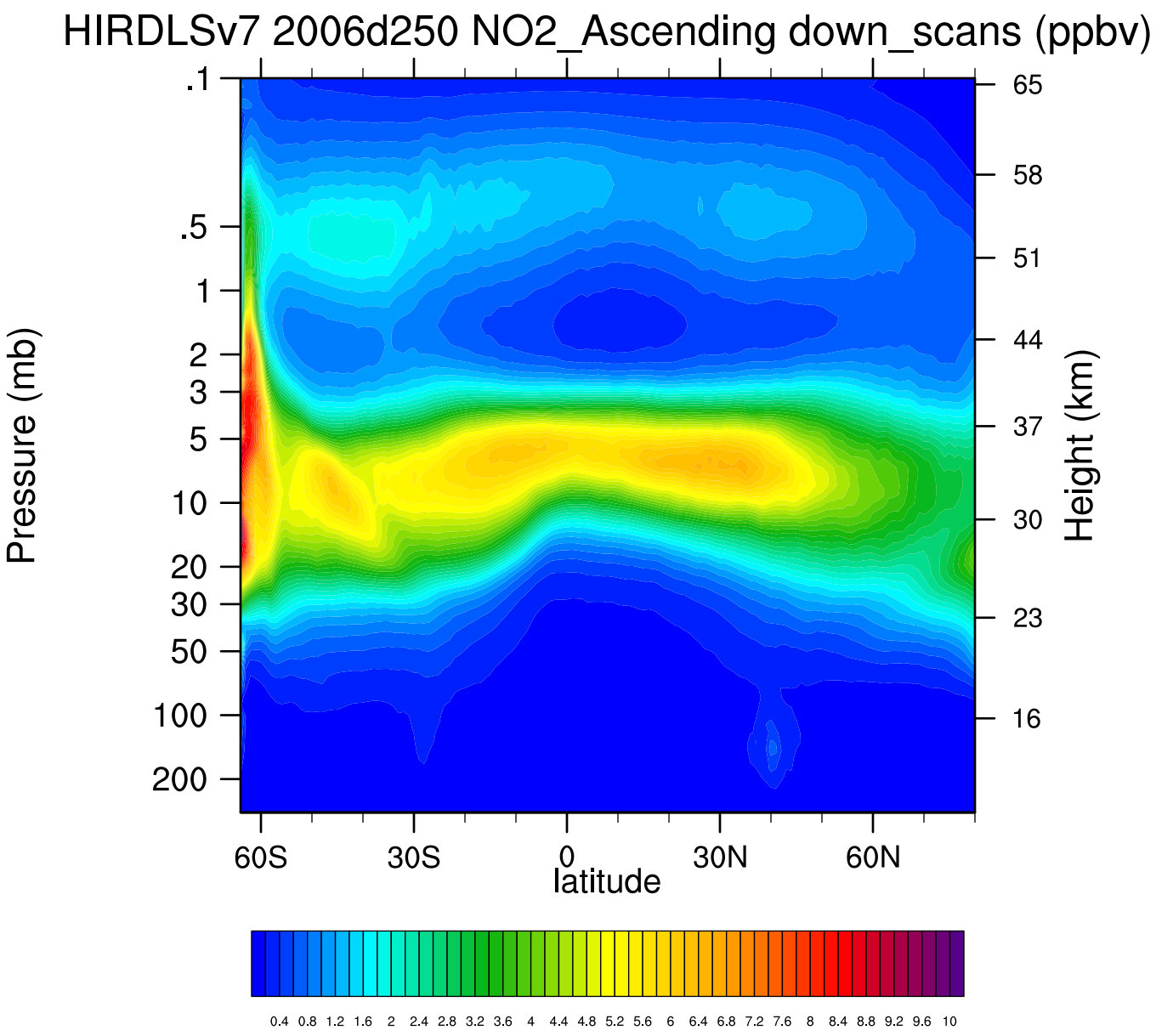

HIRDLSv7 2006d245 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

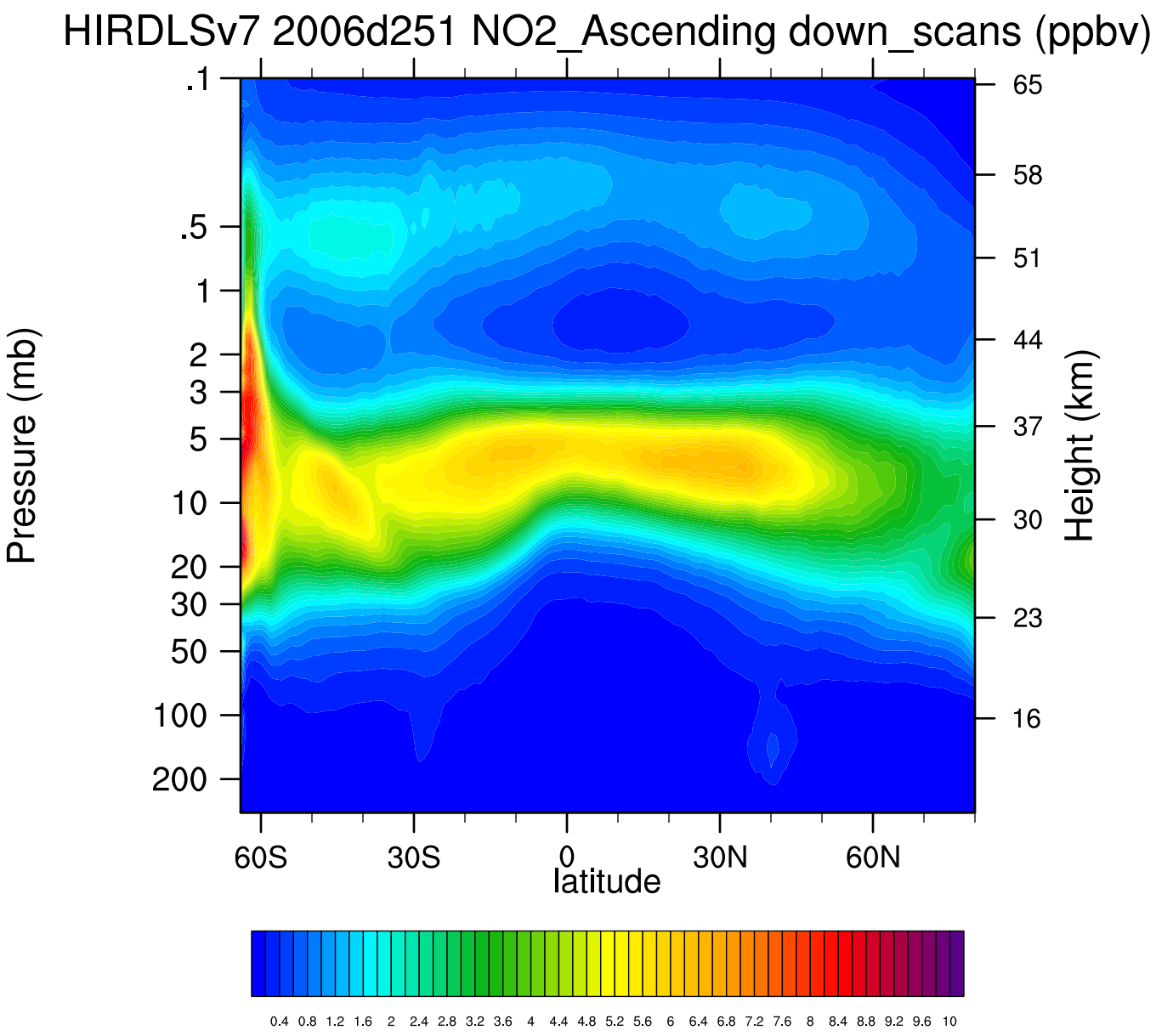

HIRDLSv7 2006d246 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

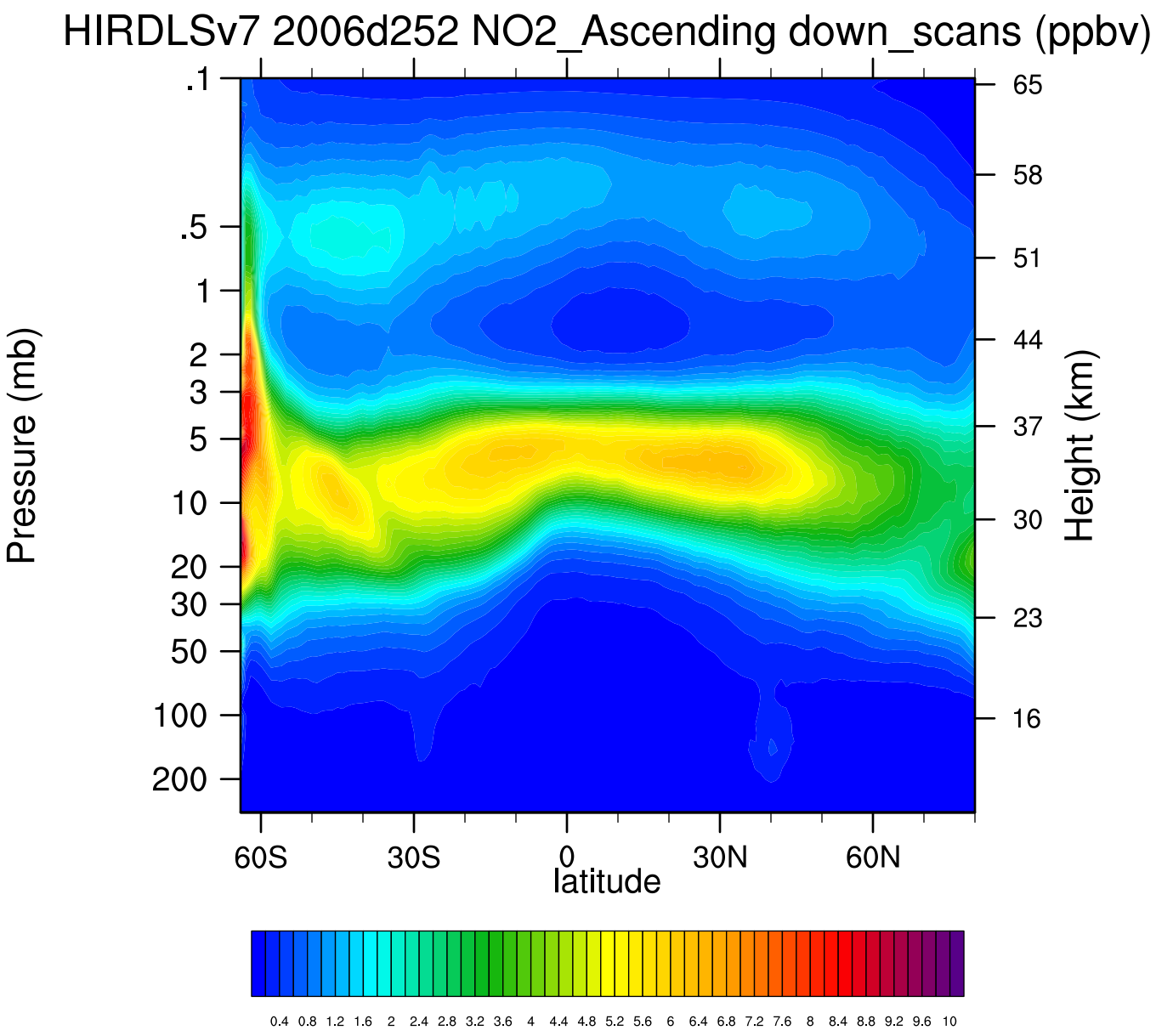

HIRDLSv7 2006d247 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

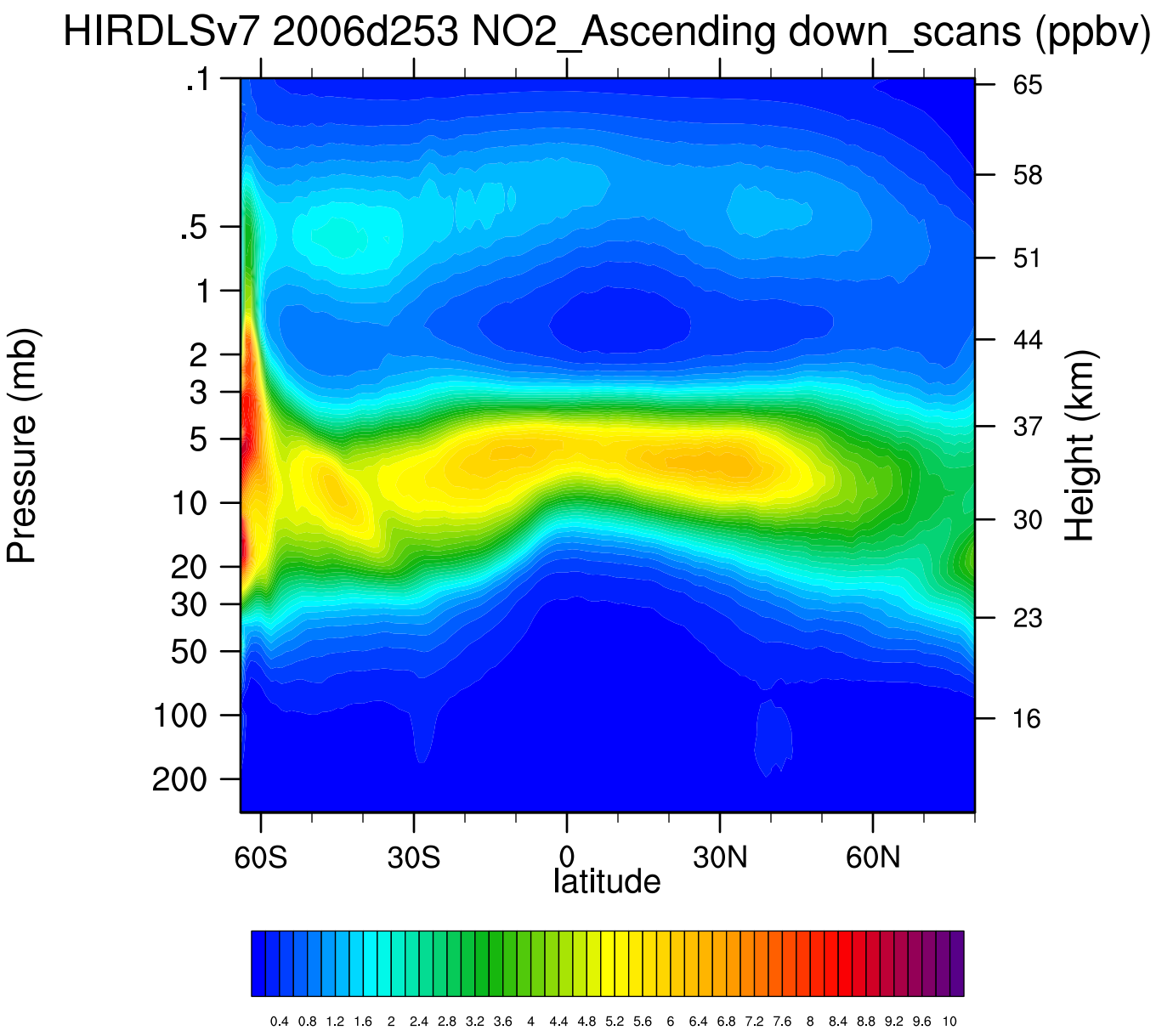

HIRDLSv7 2006d248 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

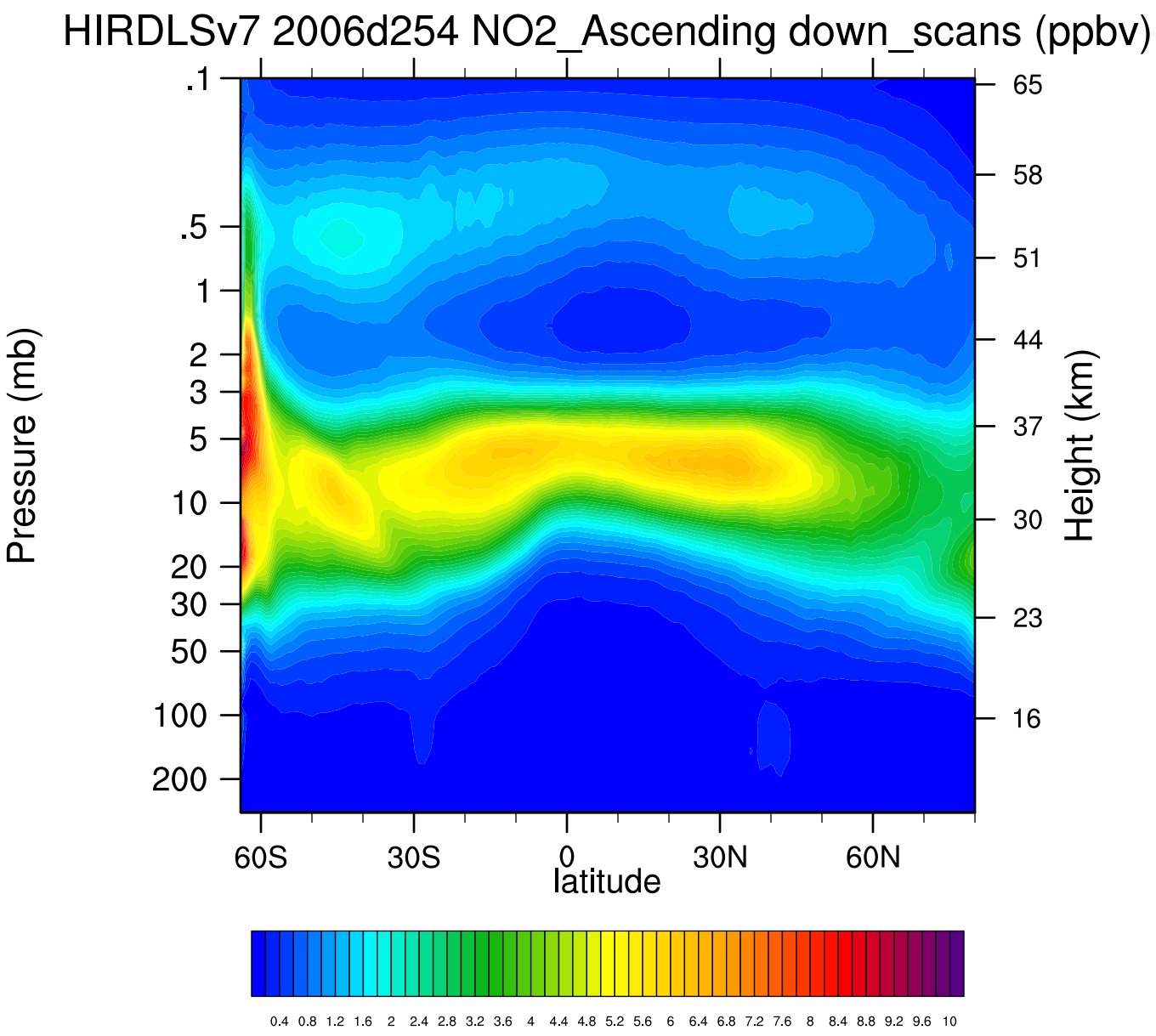

HIRDLSv7 2006d249 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

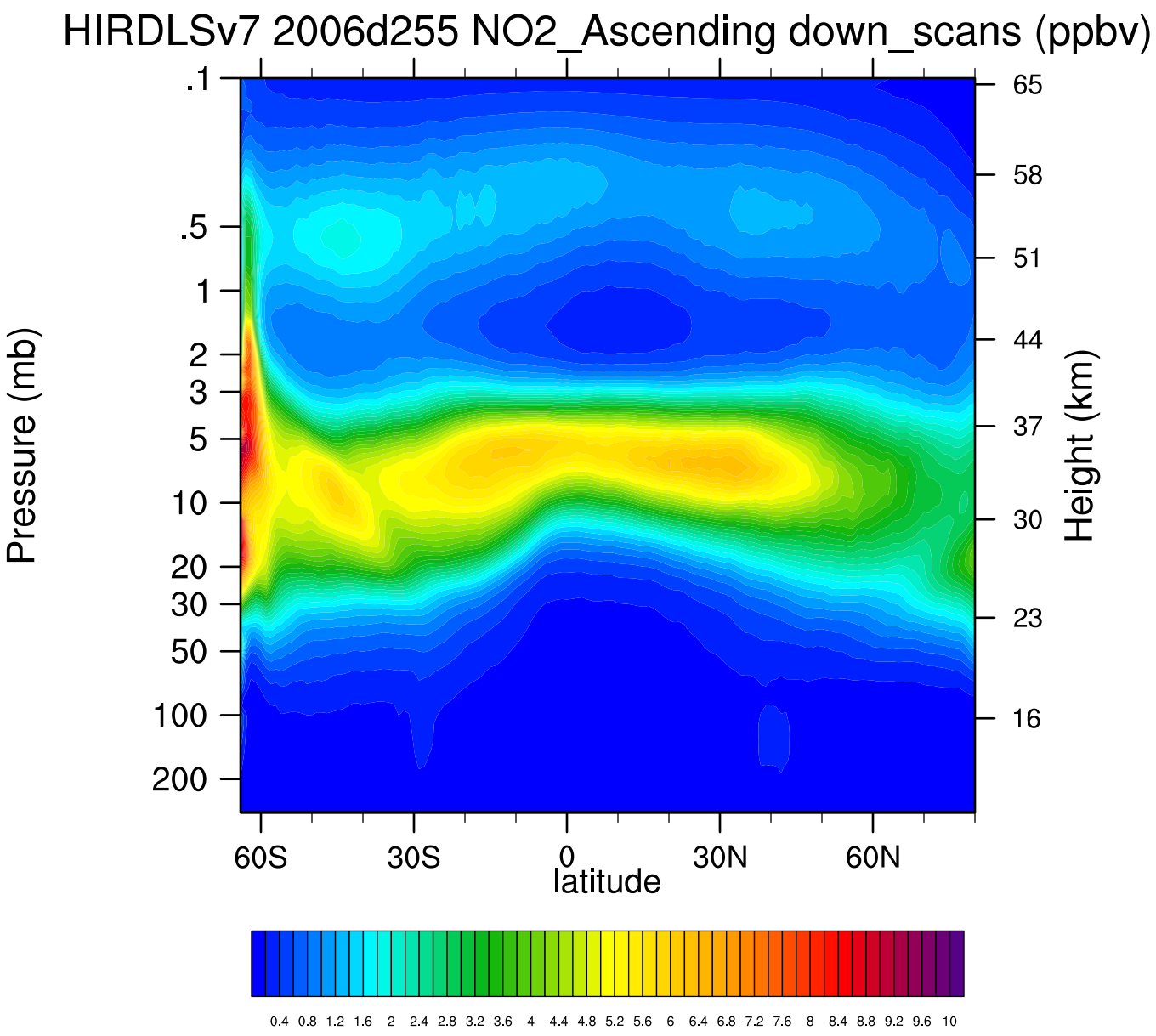

HIRDLSv7 2006d250 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

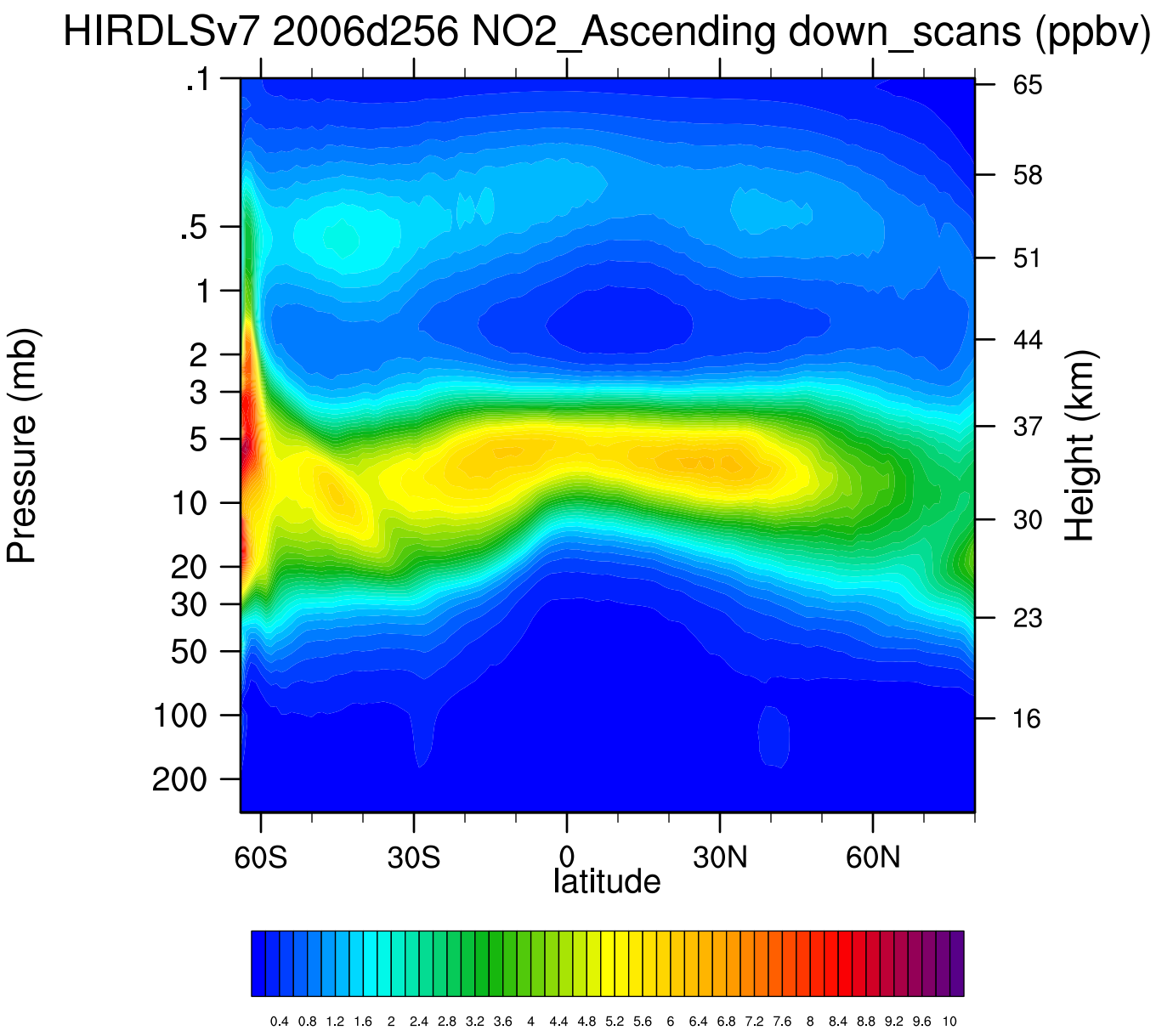

HIRDLSv7 2006d251 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

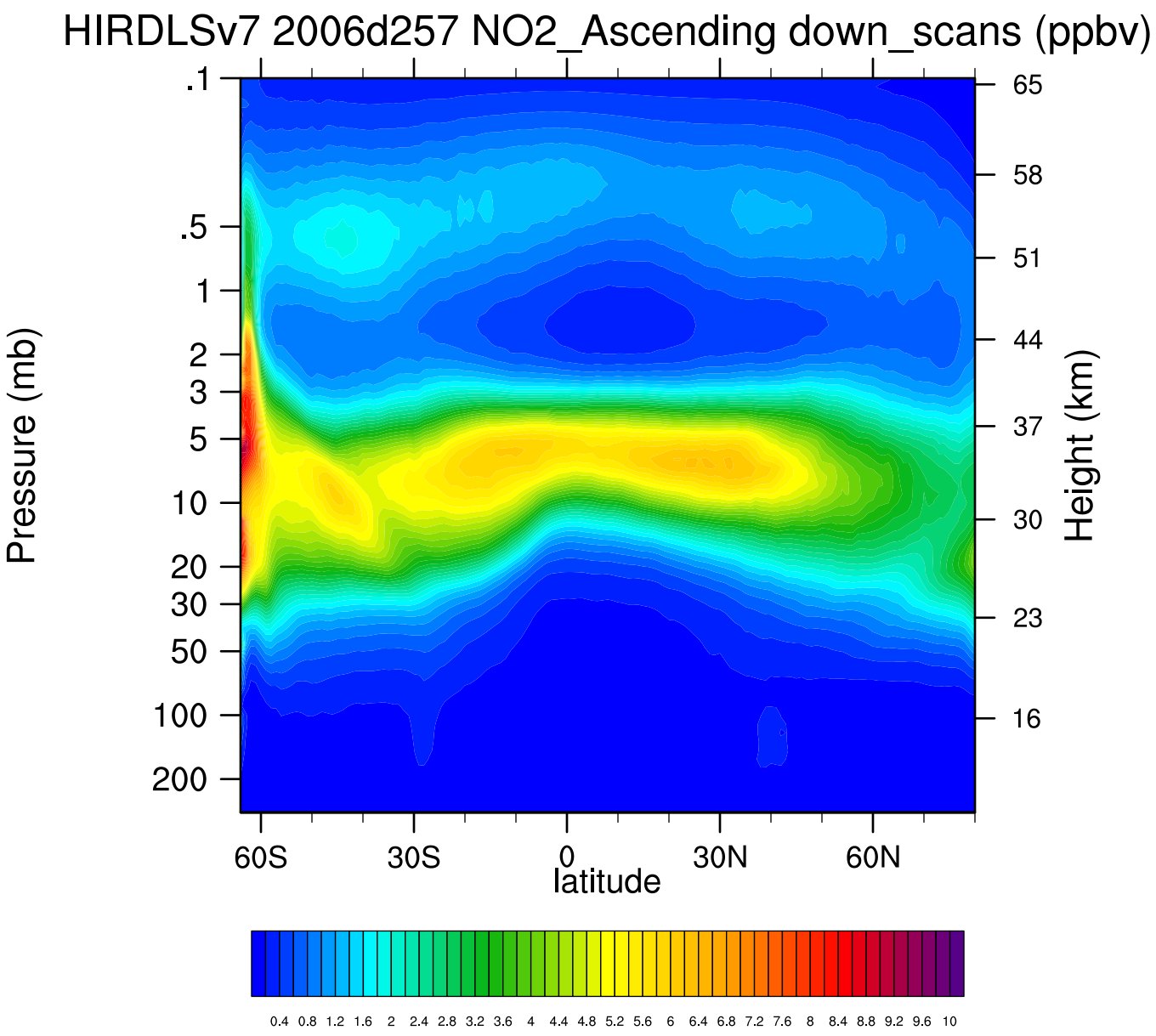

HIRDLSv7 2006d252 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

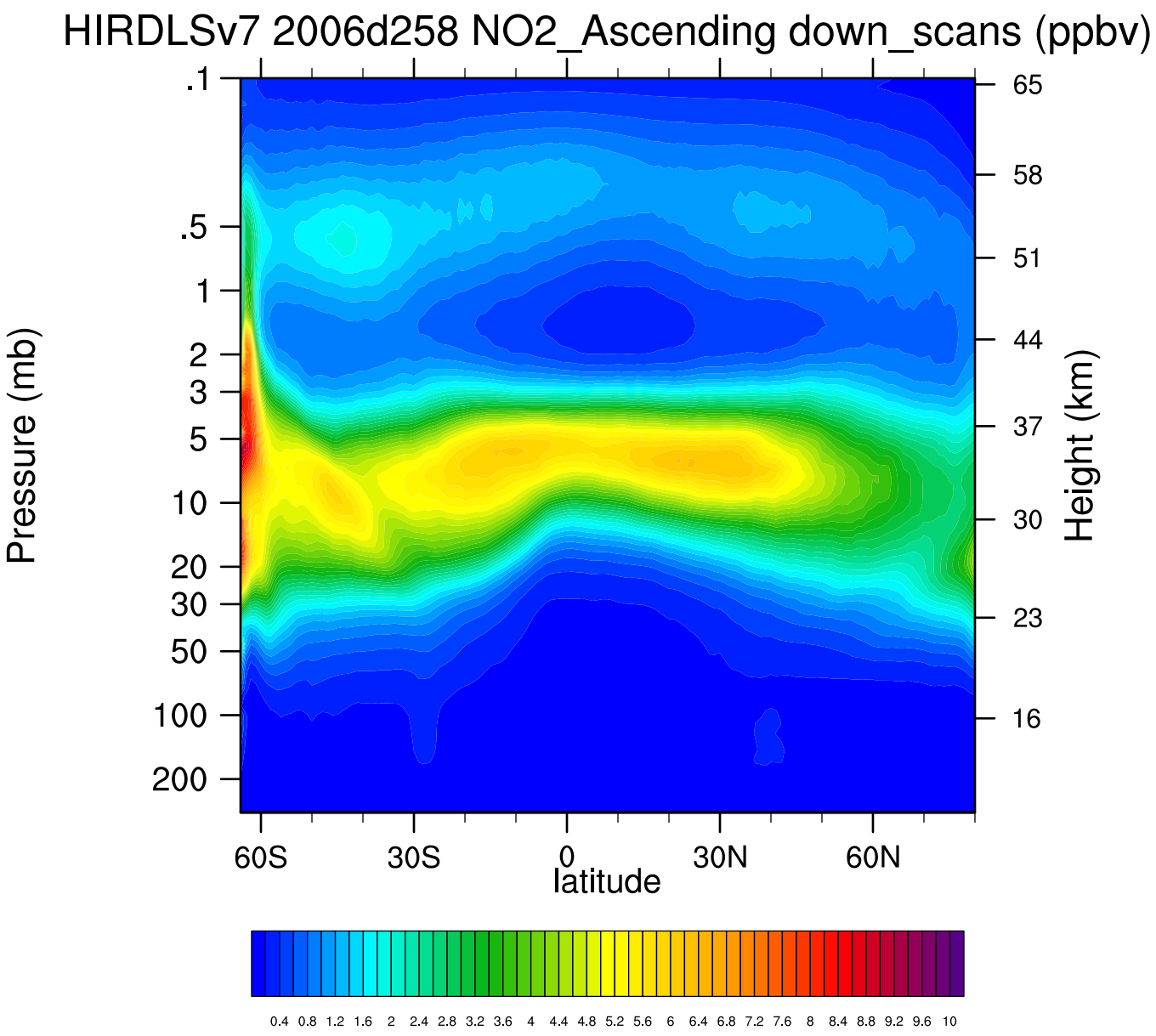

HIRDLSv7 2006d253 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

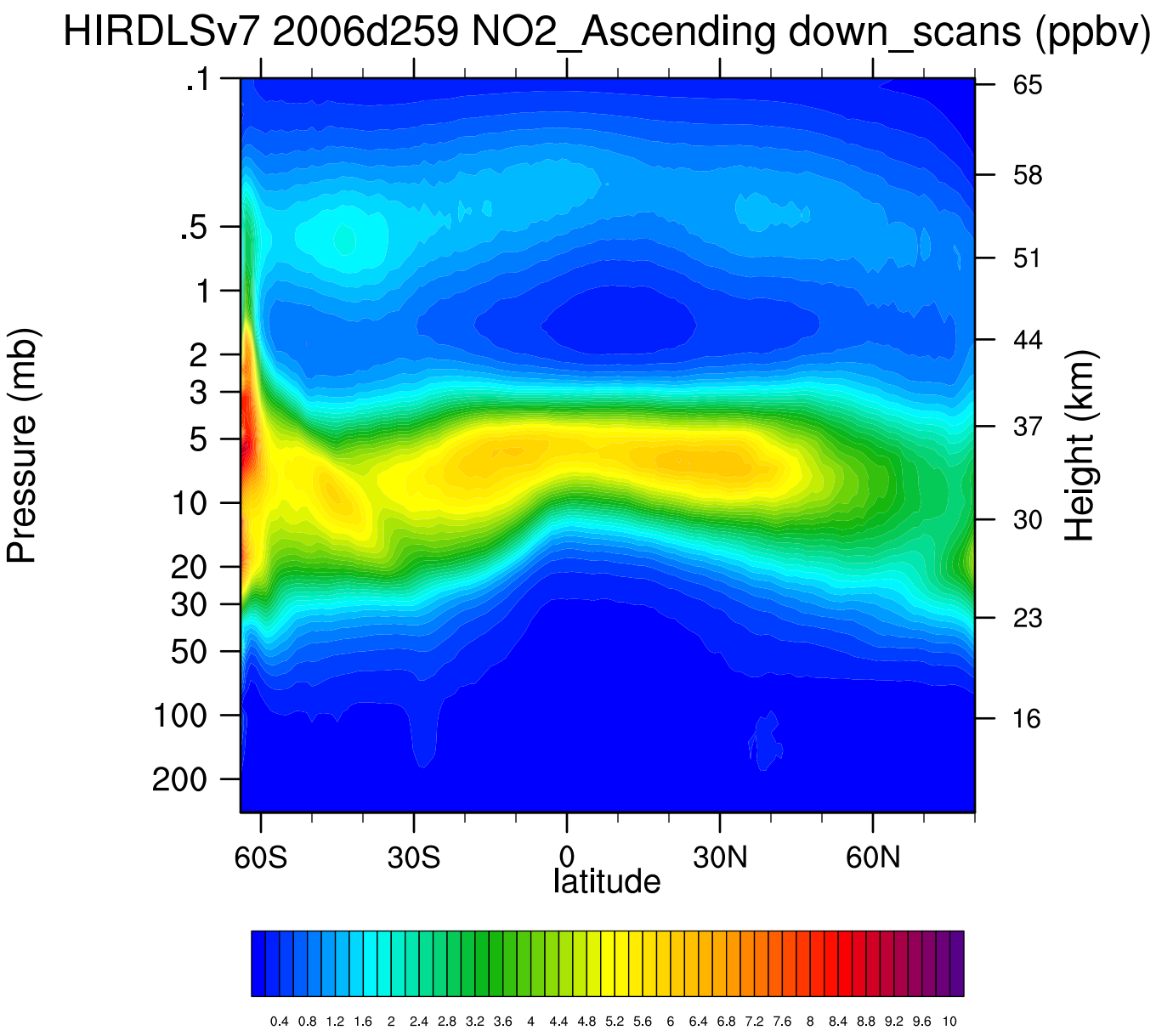

HIRDLSv7 2006d254 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

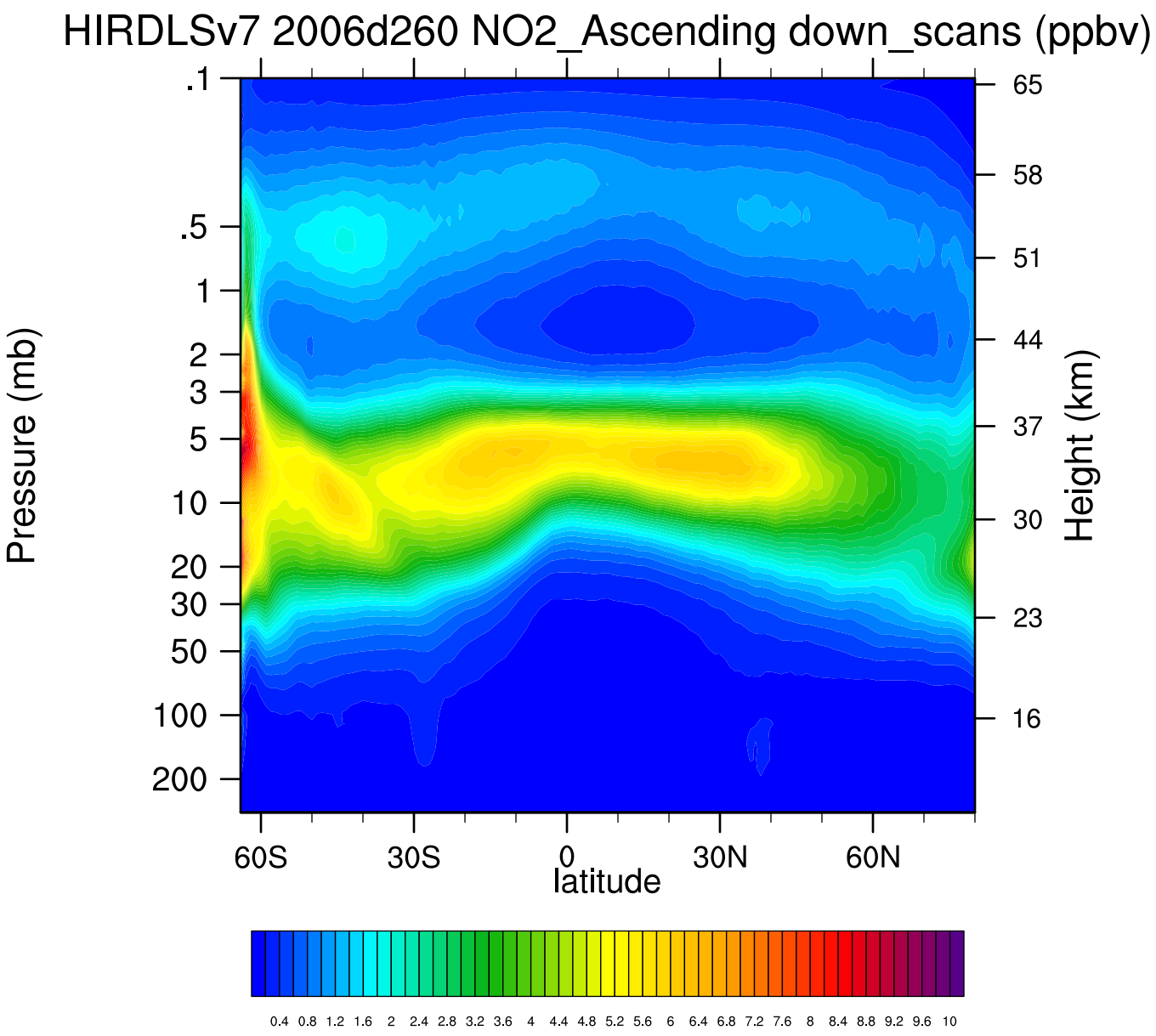

HIRDLSv7 2006d255 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

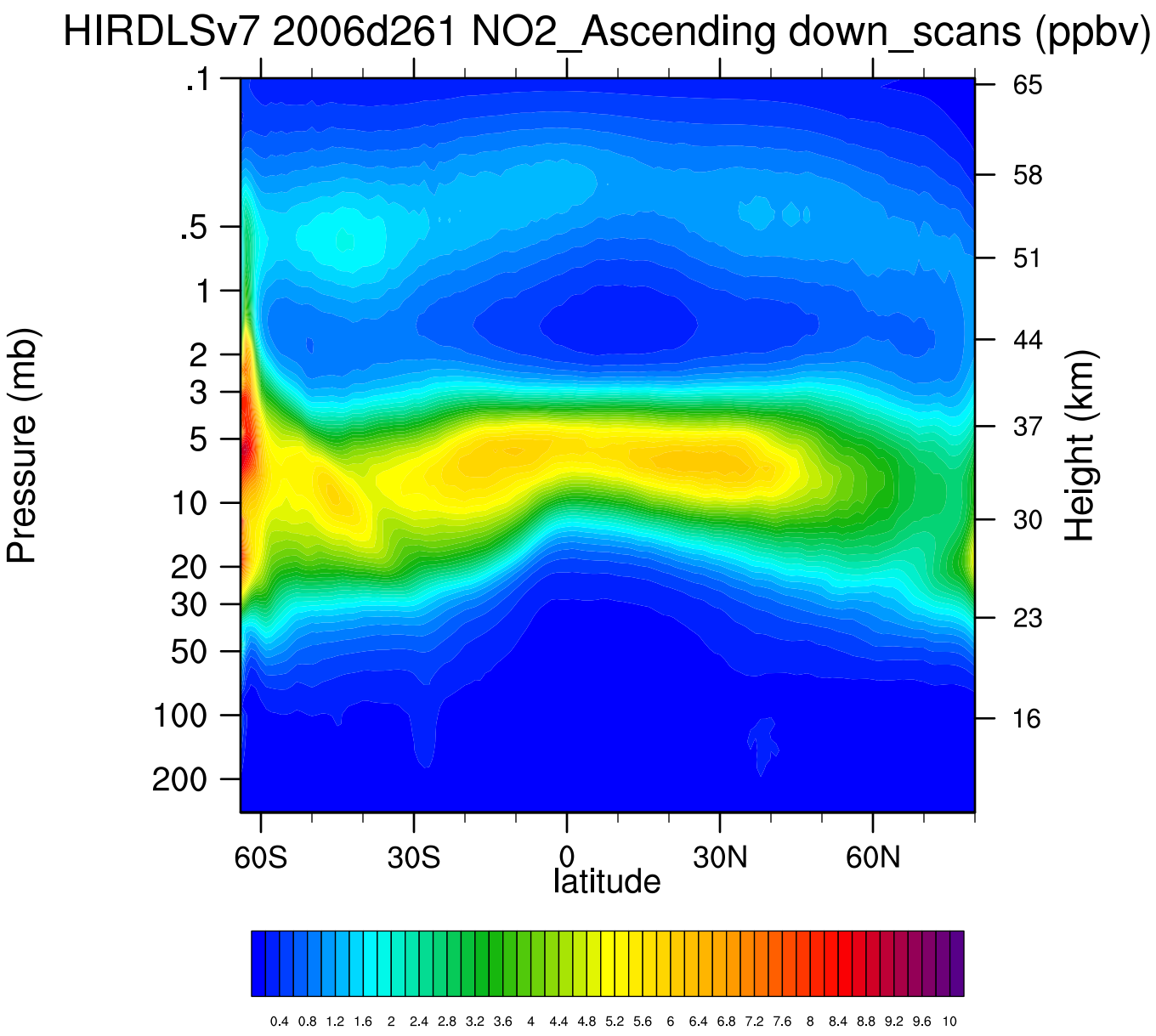

HIRDLSv7 2006d256 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

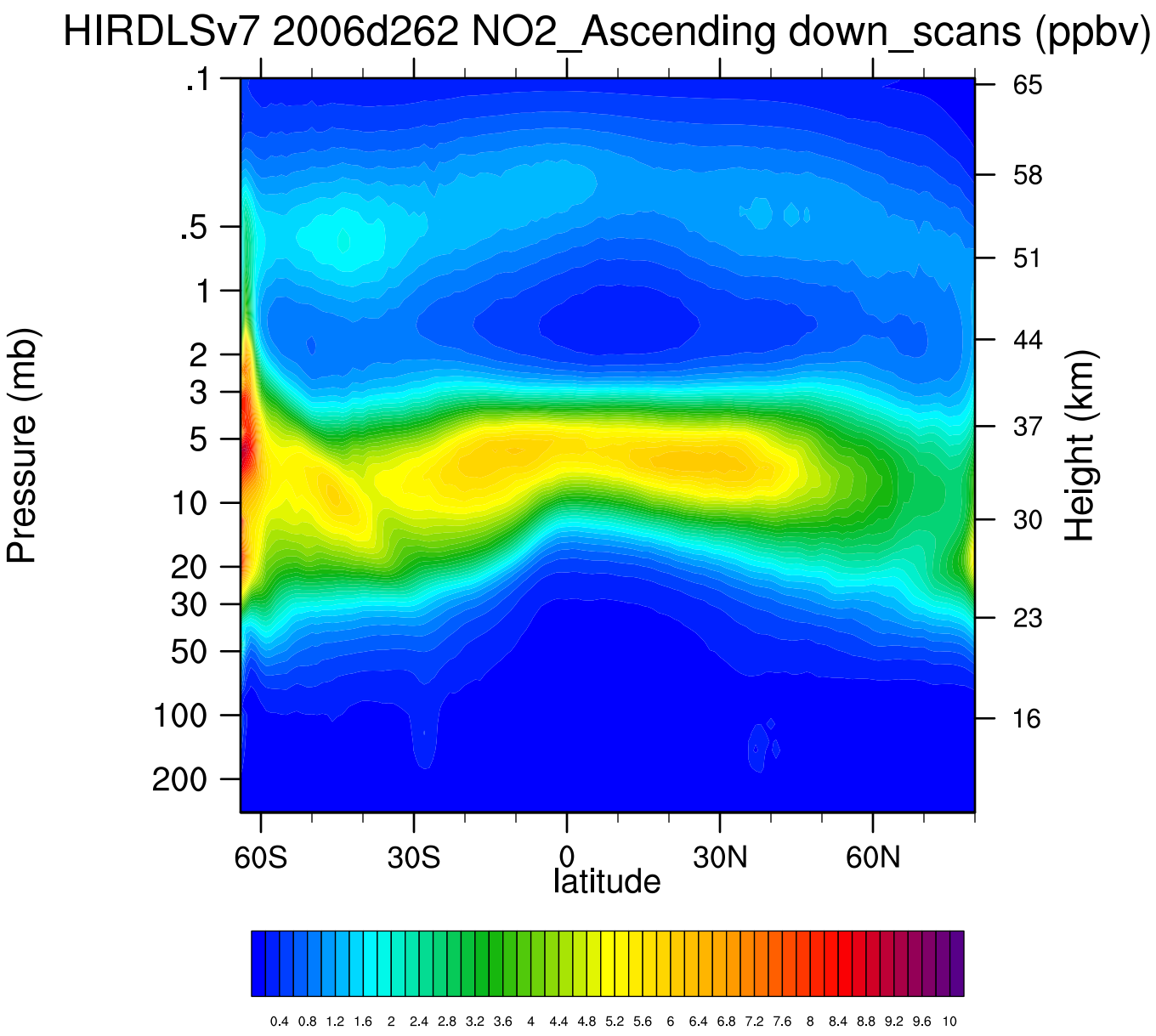

HIRDLSv7 2006d257 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

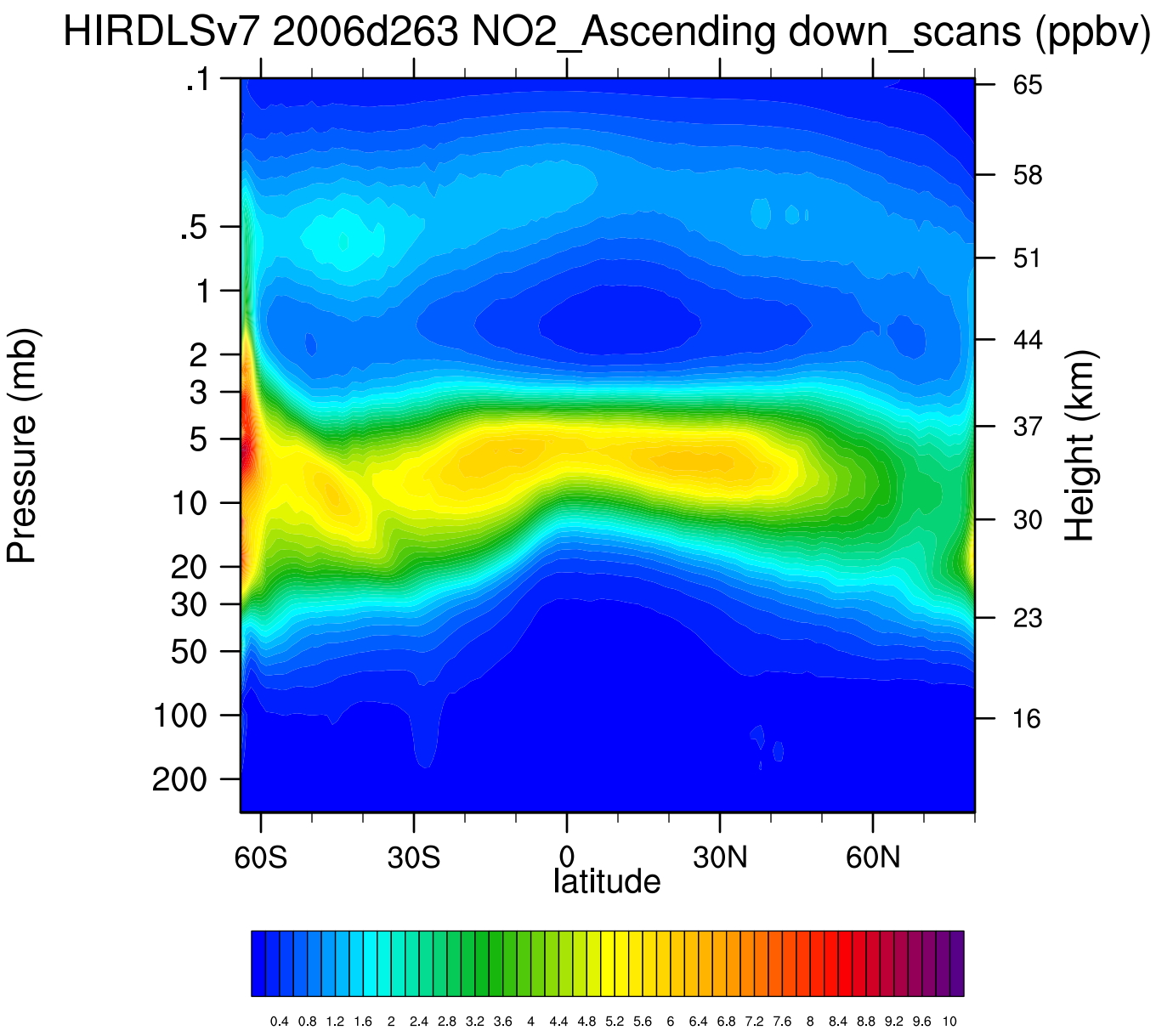

HIRDLSv7 2006d258 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

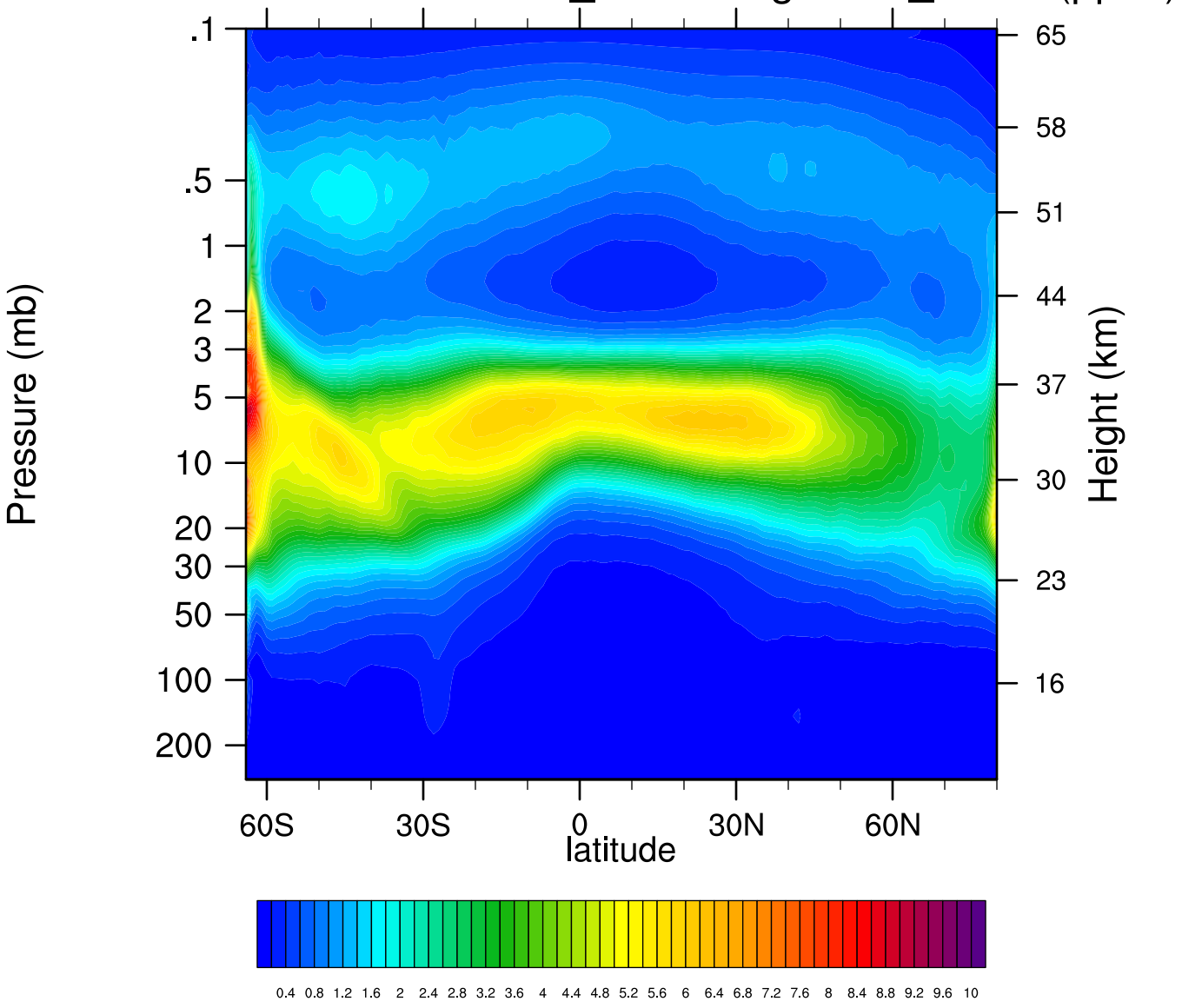

HIRDLSv7 2006d259 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

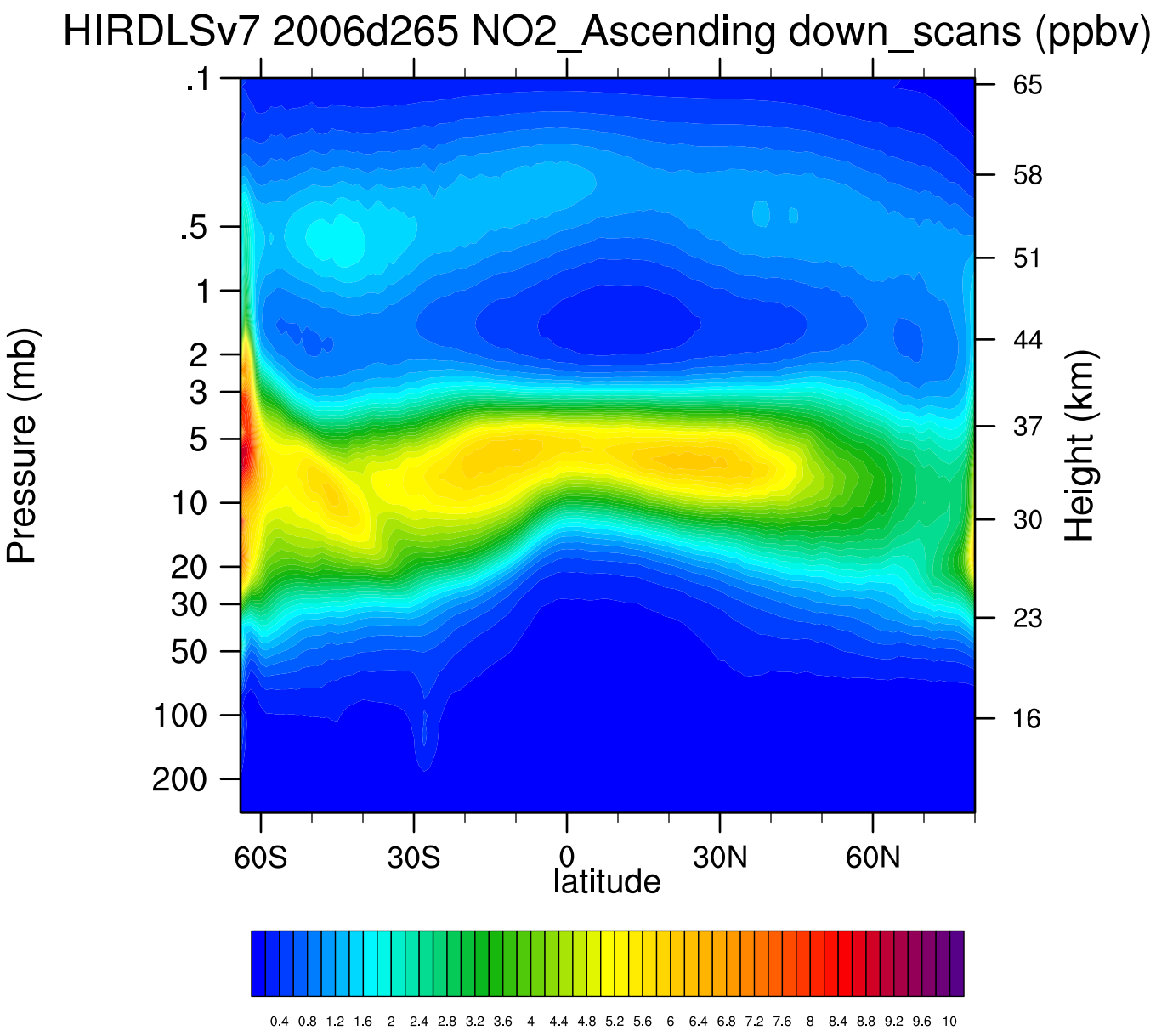

HIRDLSv7 2006d260 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

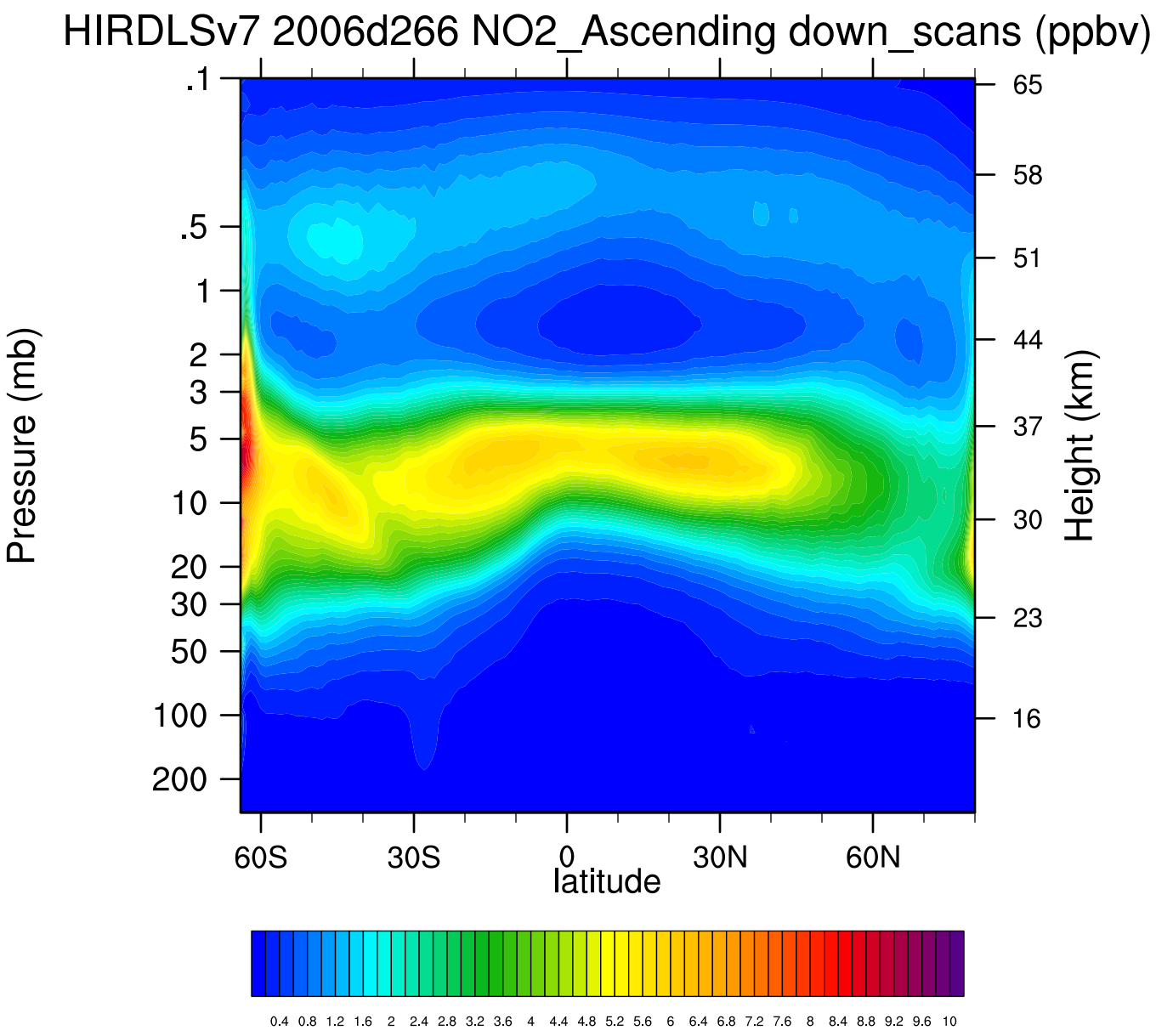

HIRDLSv7 2006d261 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

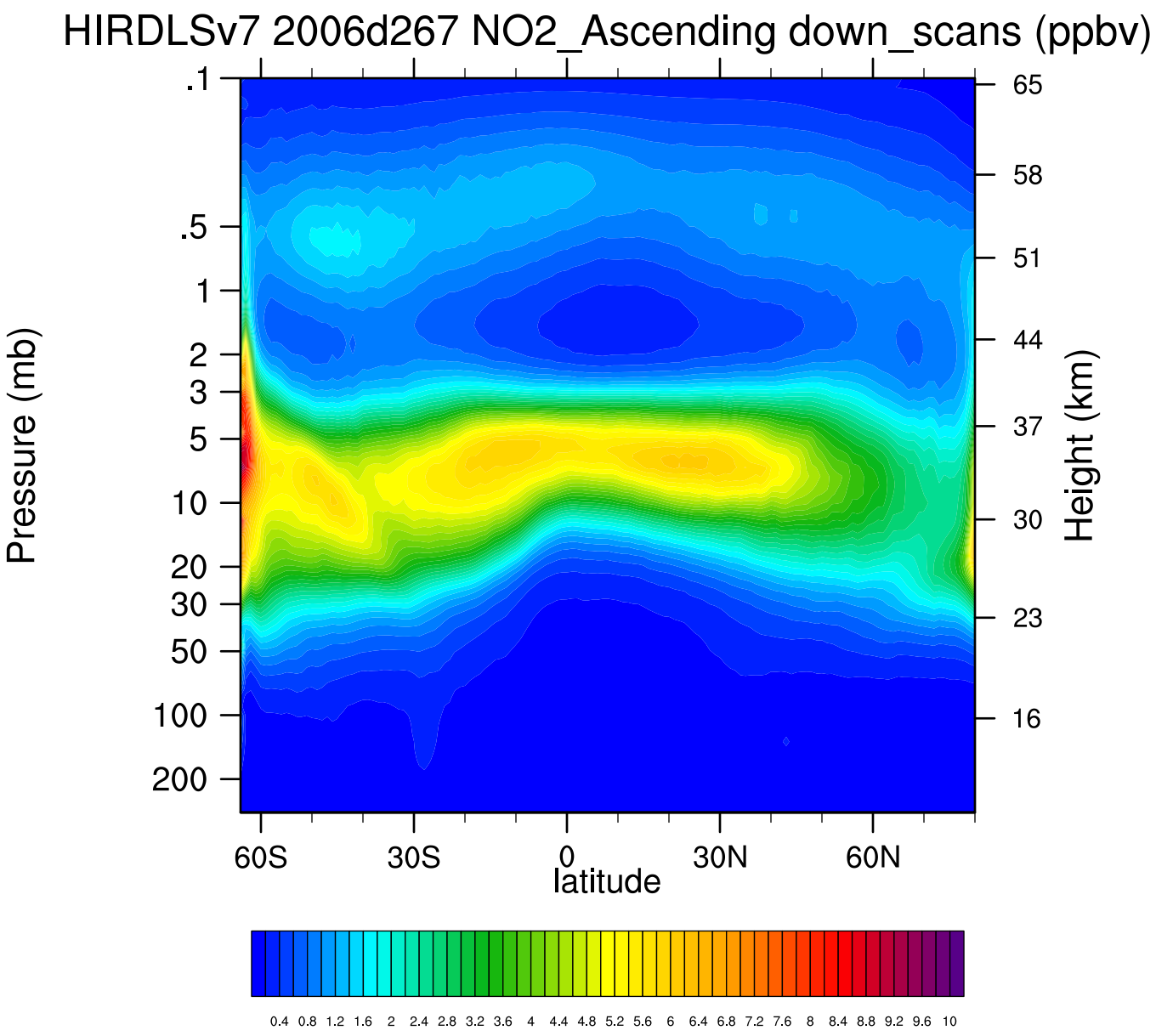

HIRDLSv7 2006d262 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

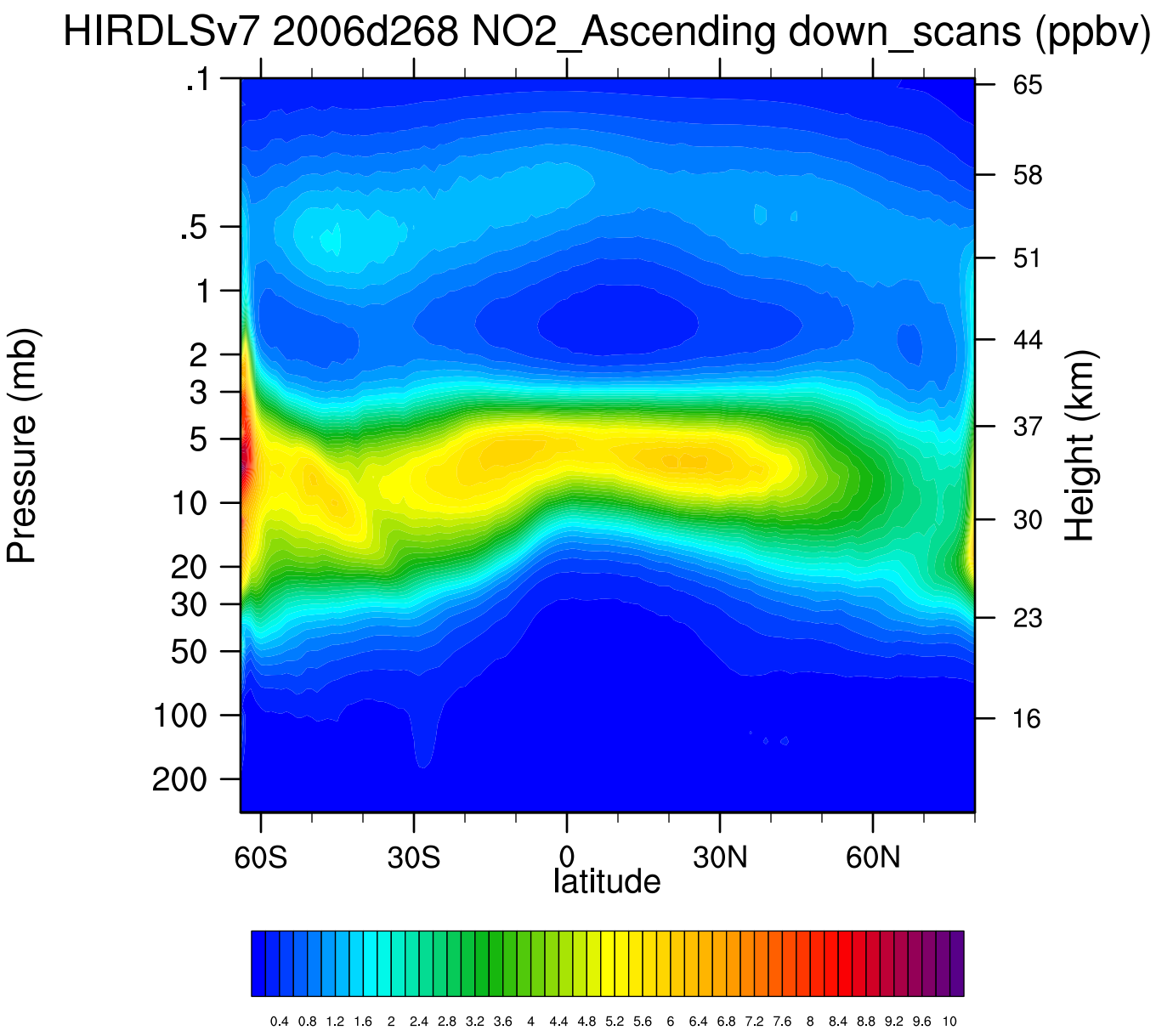

HIRDLSv7 2006d263 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

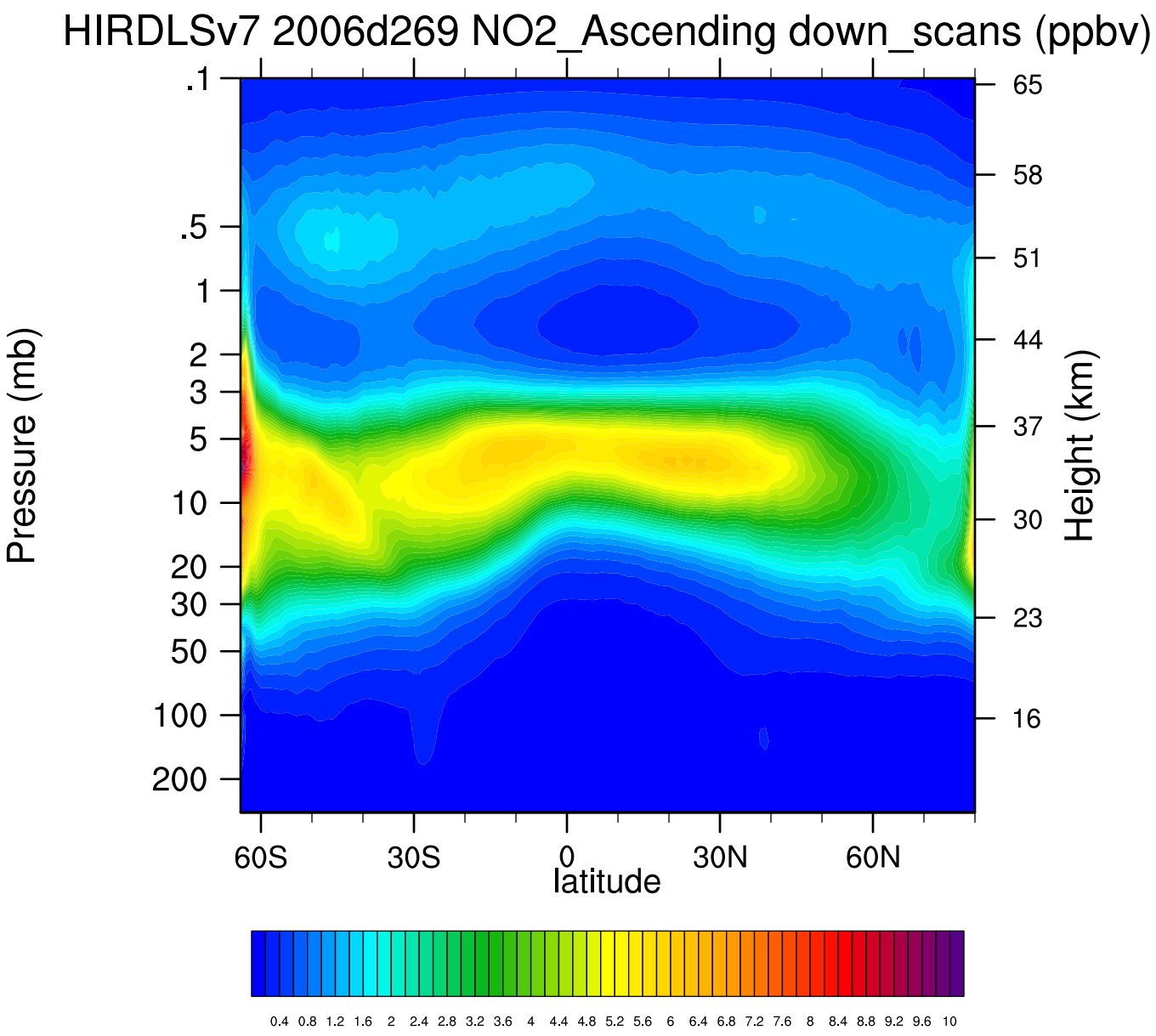

HIRDLSv7 2006d264 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

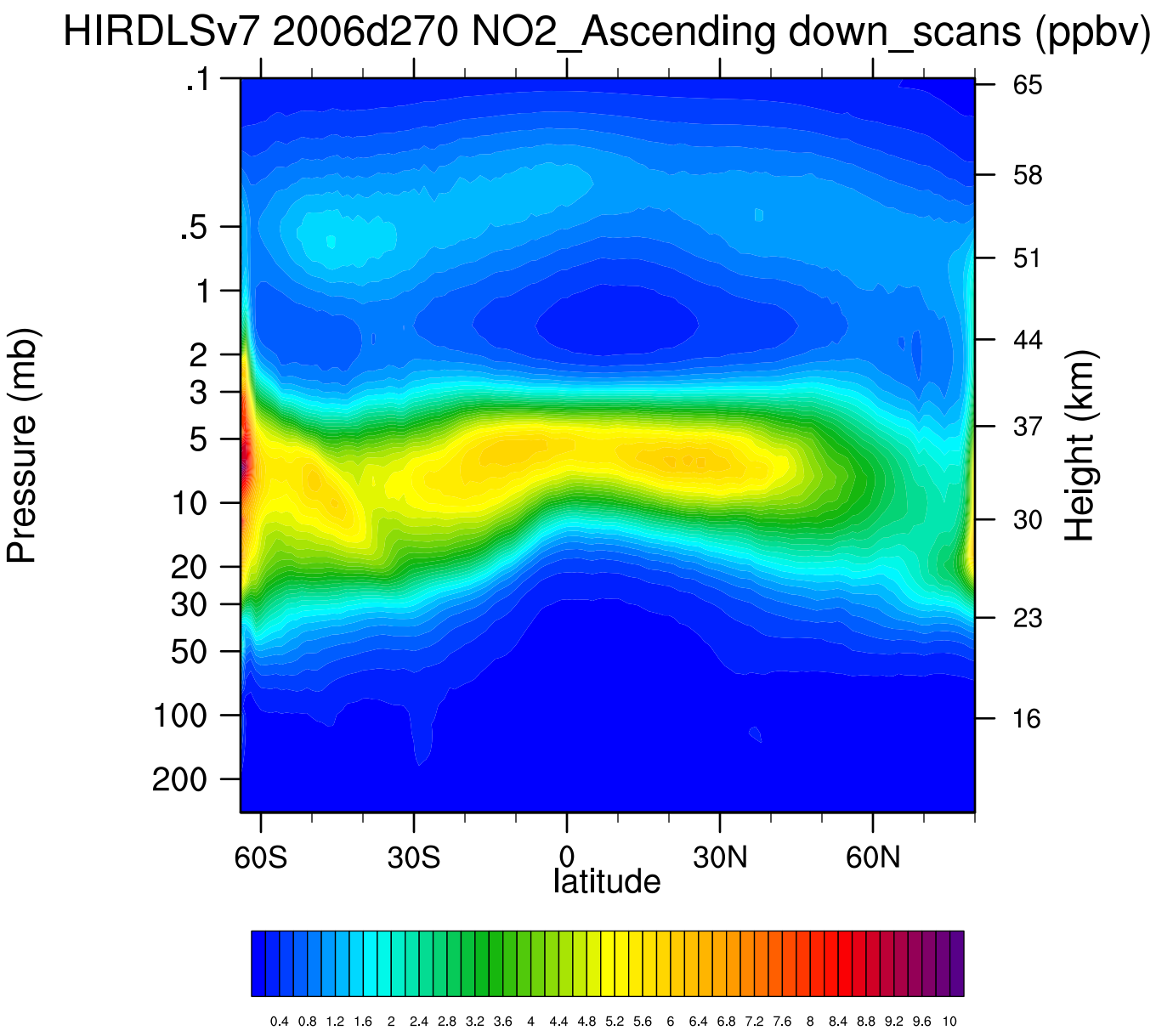

HIRDLSv7 2006d265 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

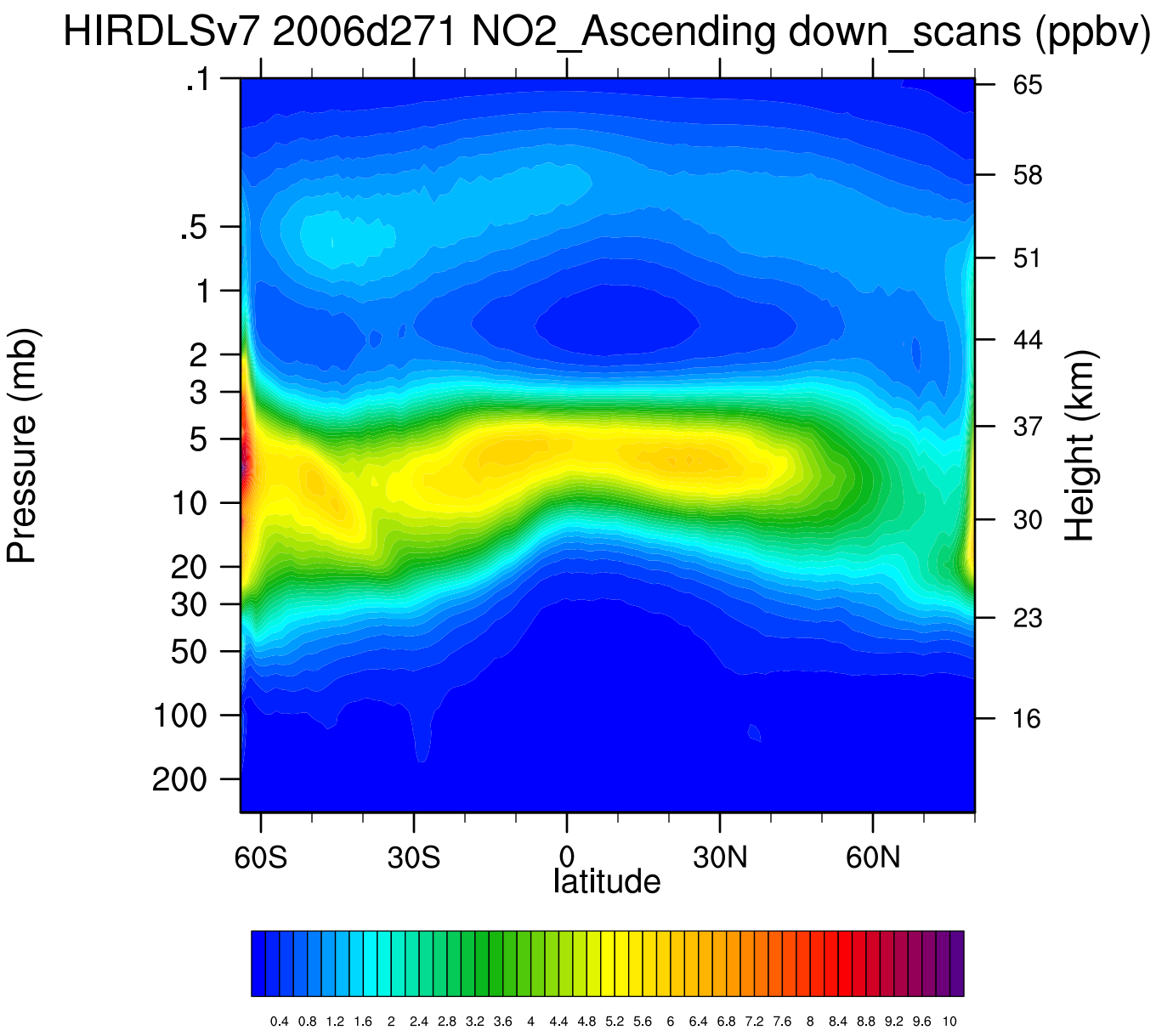

HIRDLSv7 2006d266 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

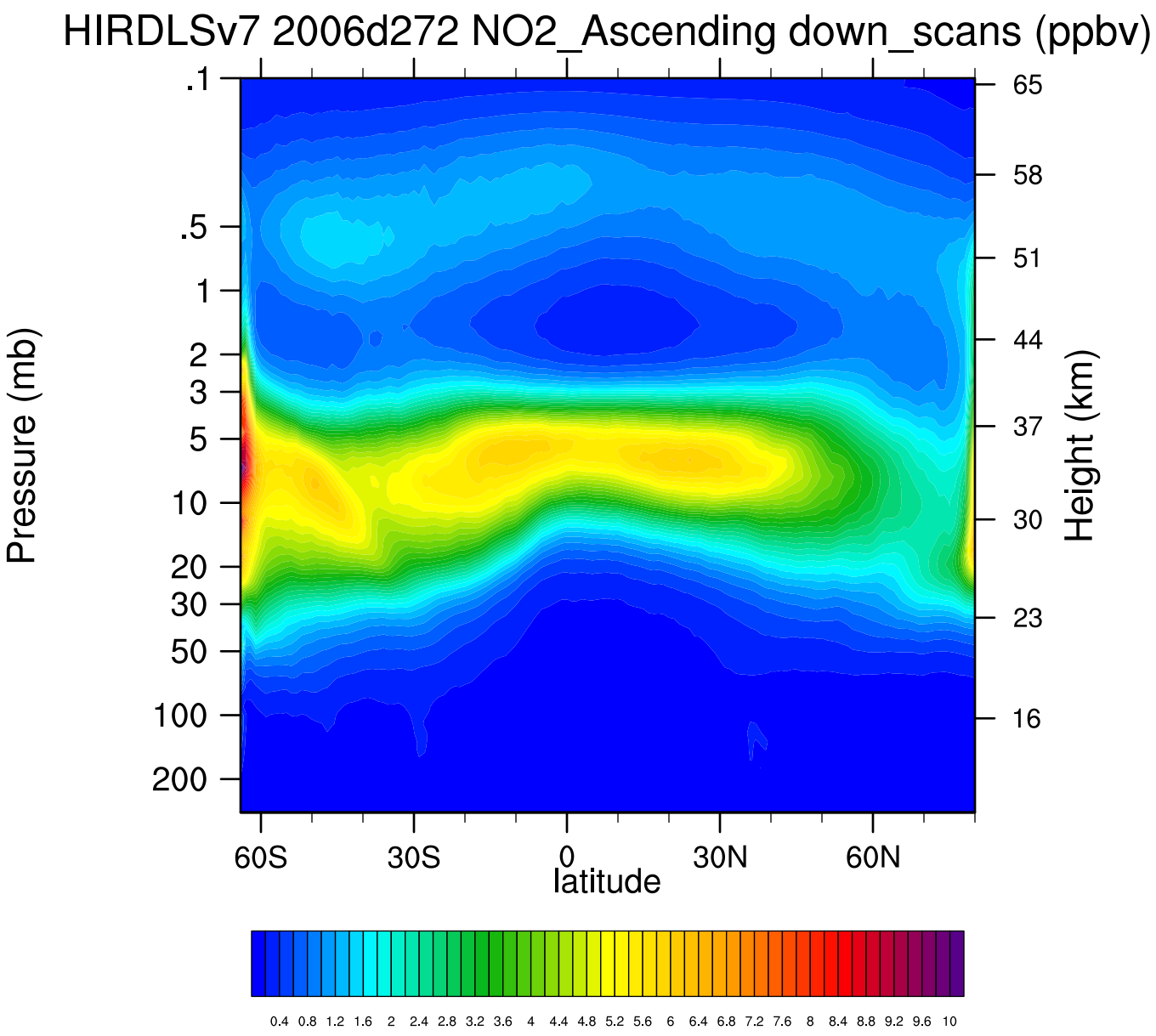

HIRDLSv7 2006d267 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

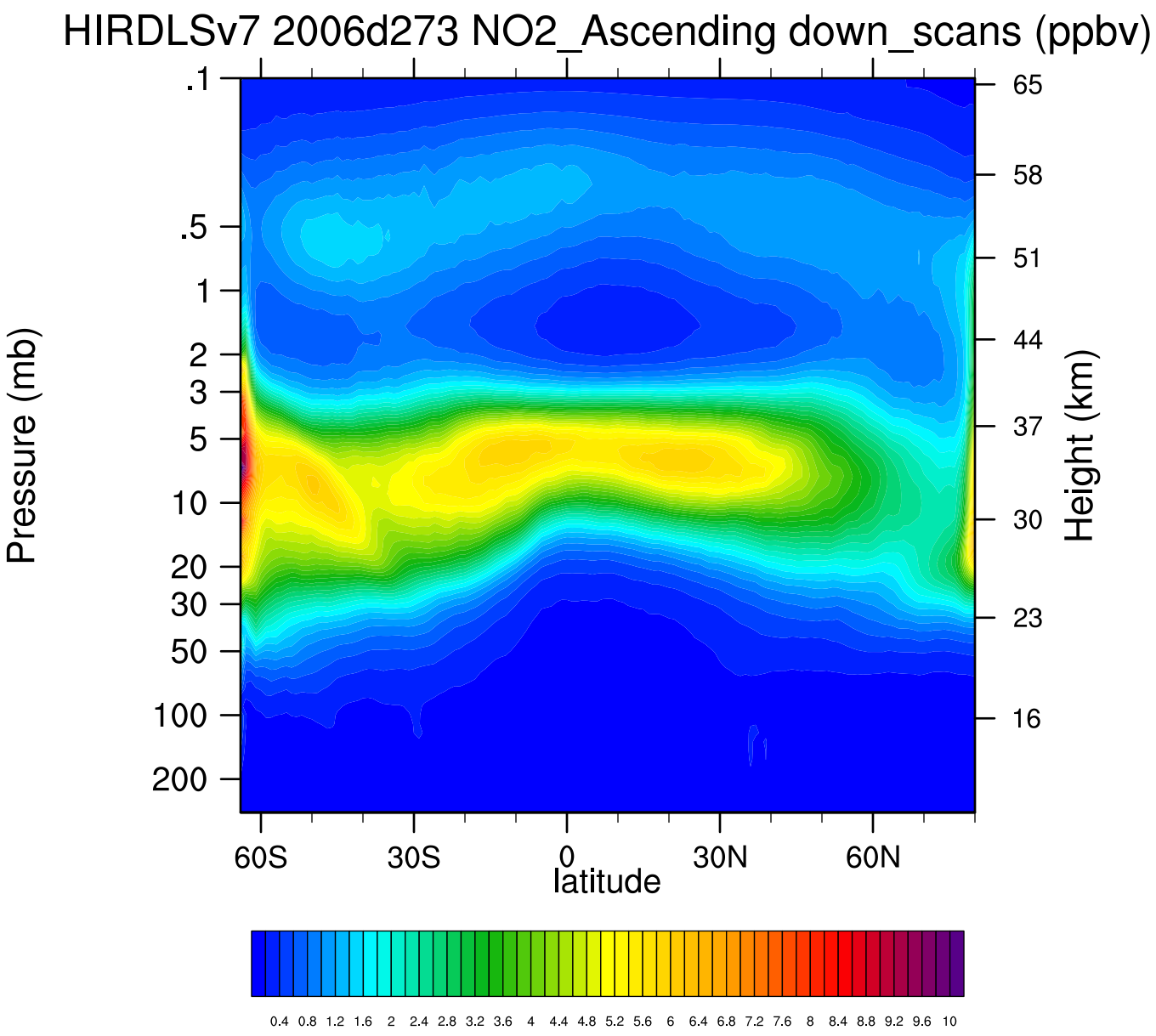

HIRDLSv7 2006d268 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

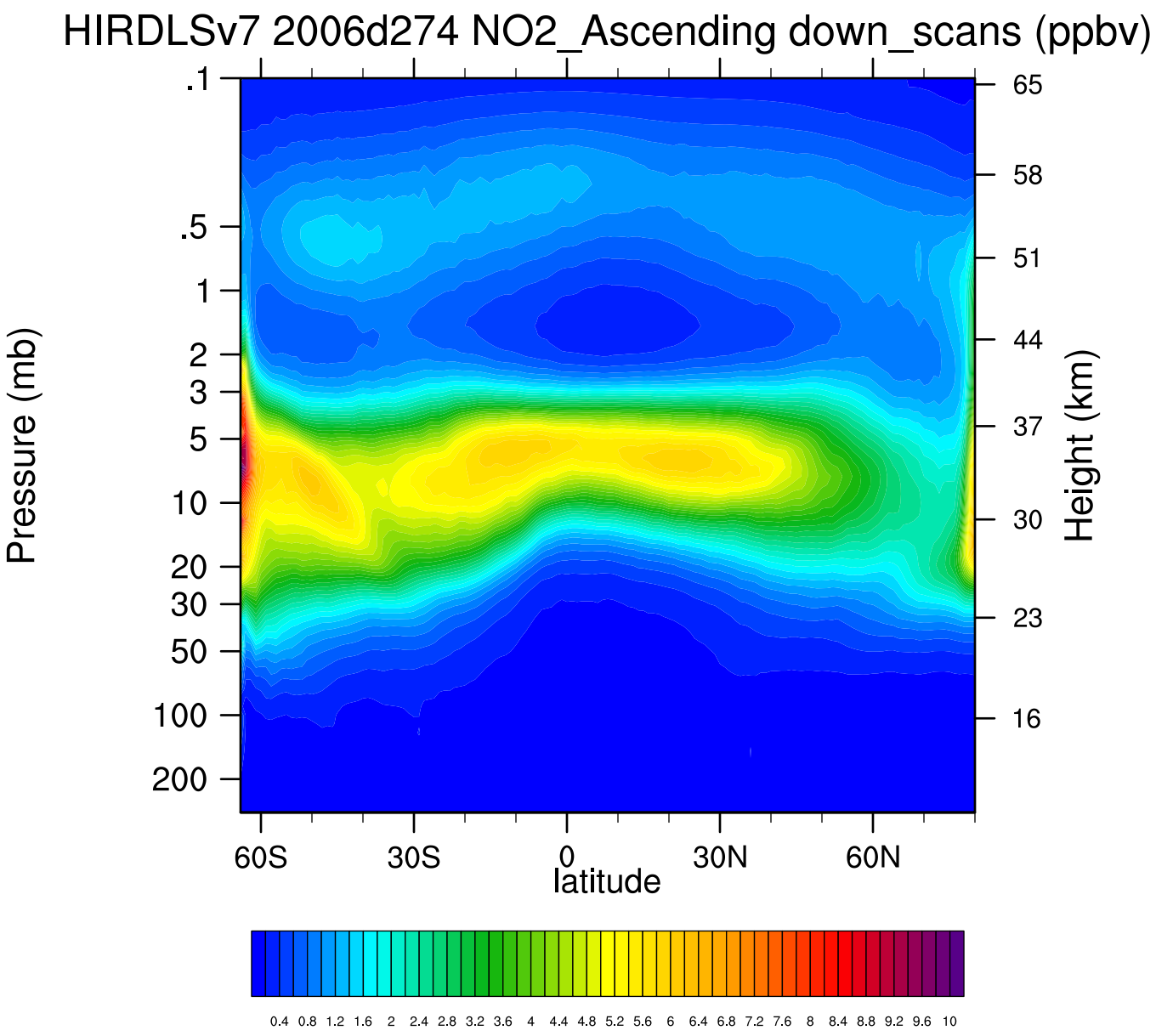

HIRDLSv7 2006d269 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

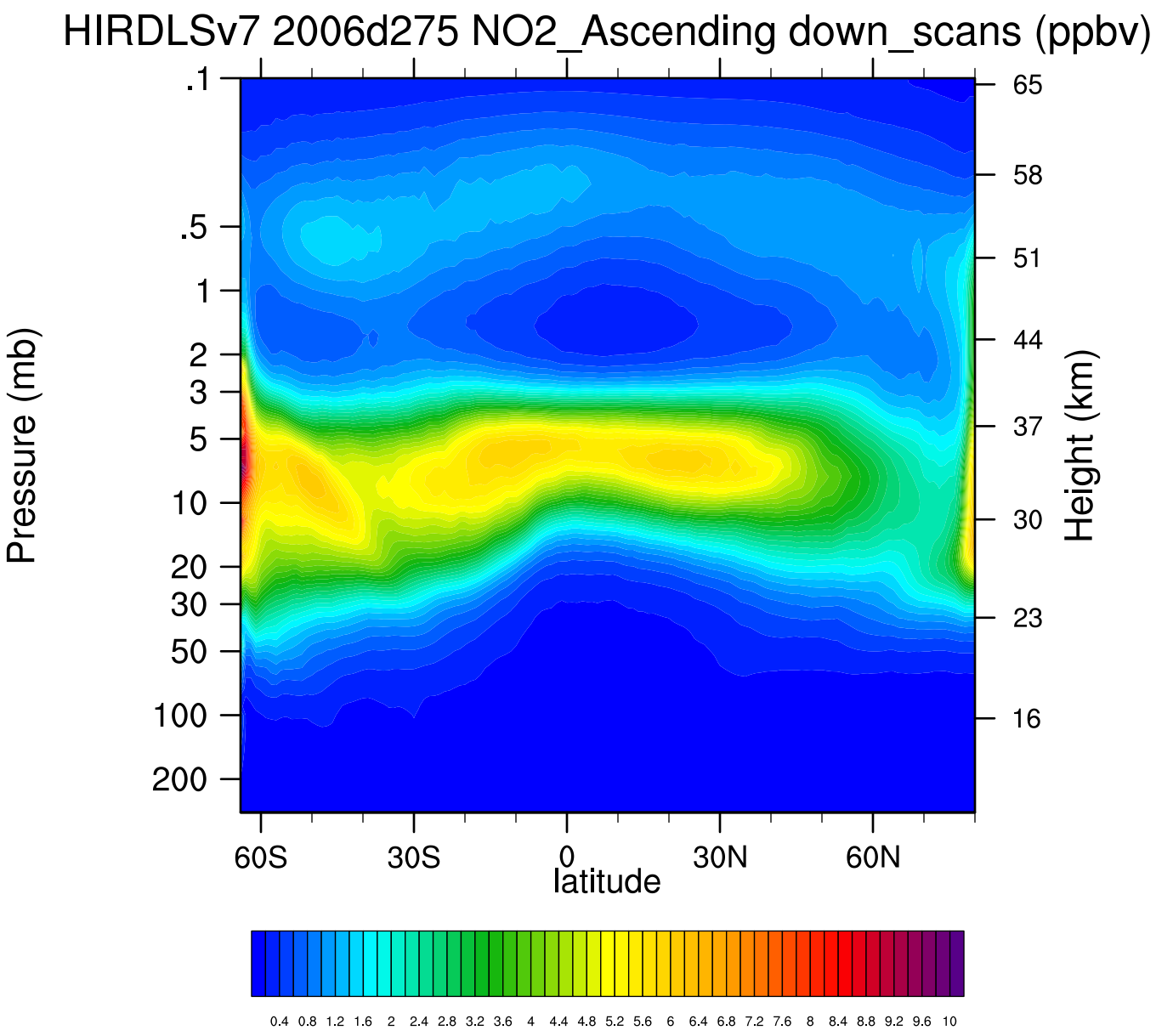

HIRDLSv7 2006d270 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

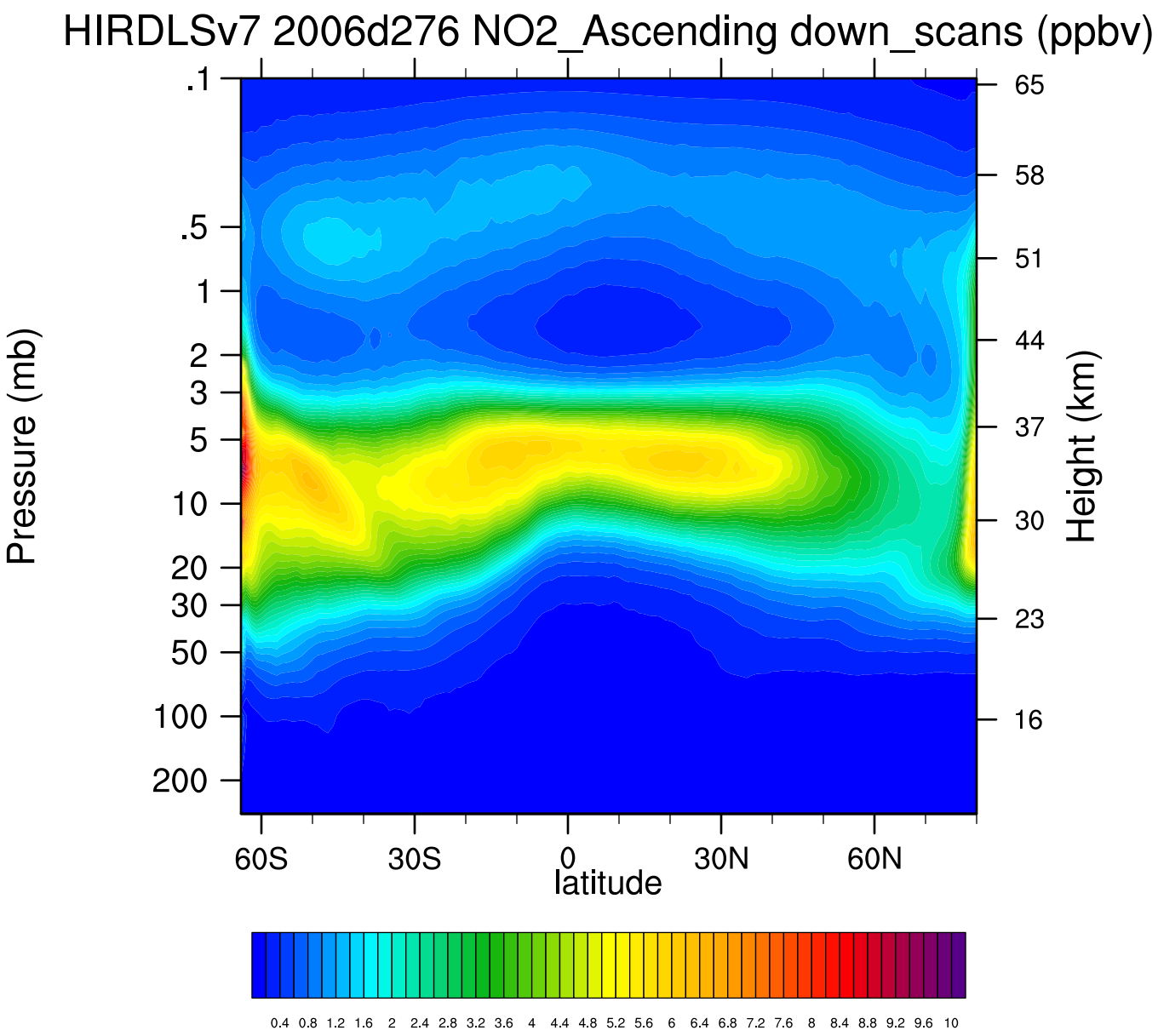

HIRDLSv7 2006d271 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

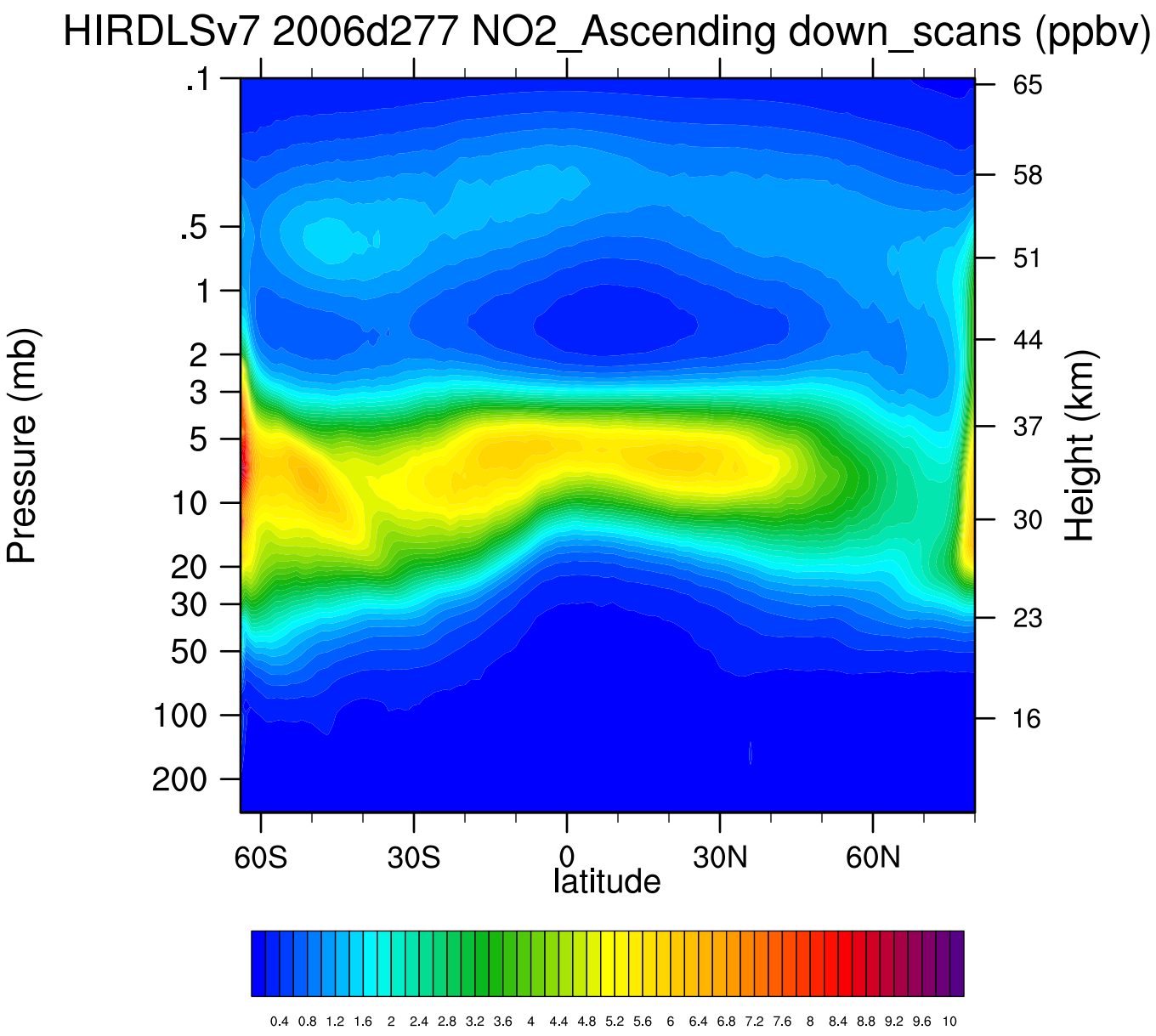

HIRDLSv7 2006d272 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

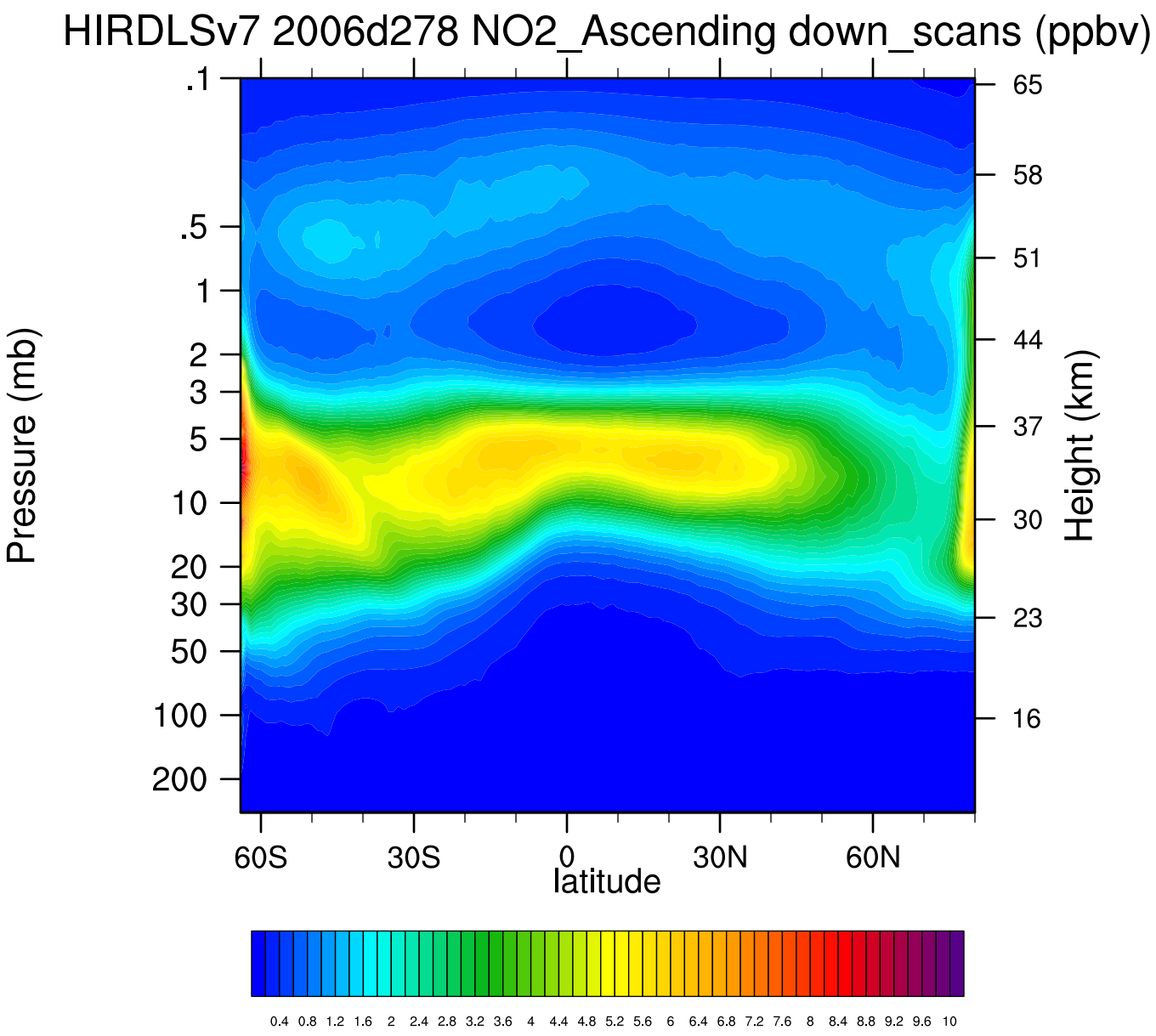

HIRDLSv7 2006d273 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

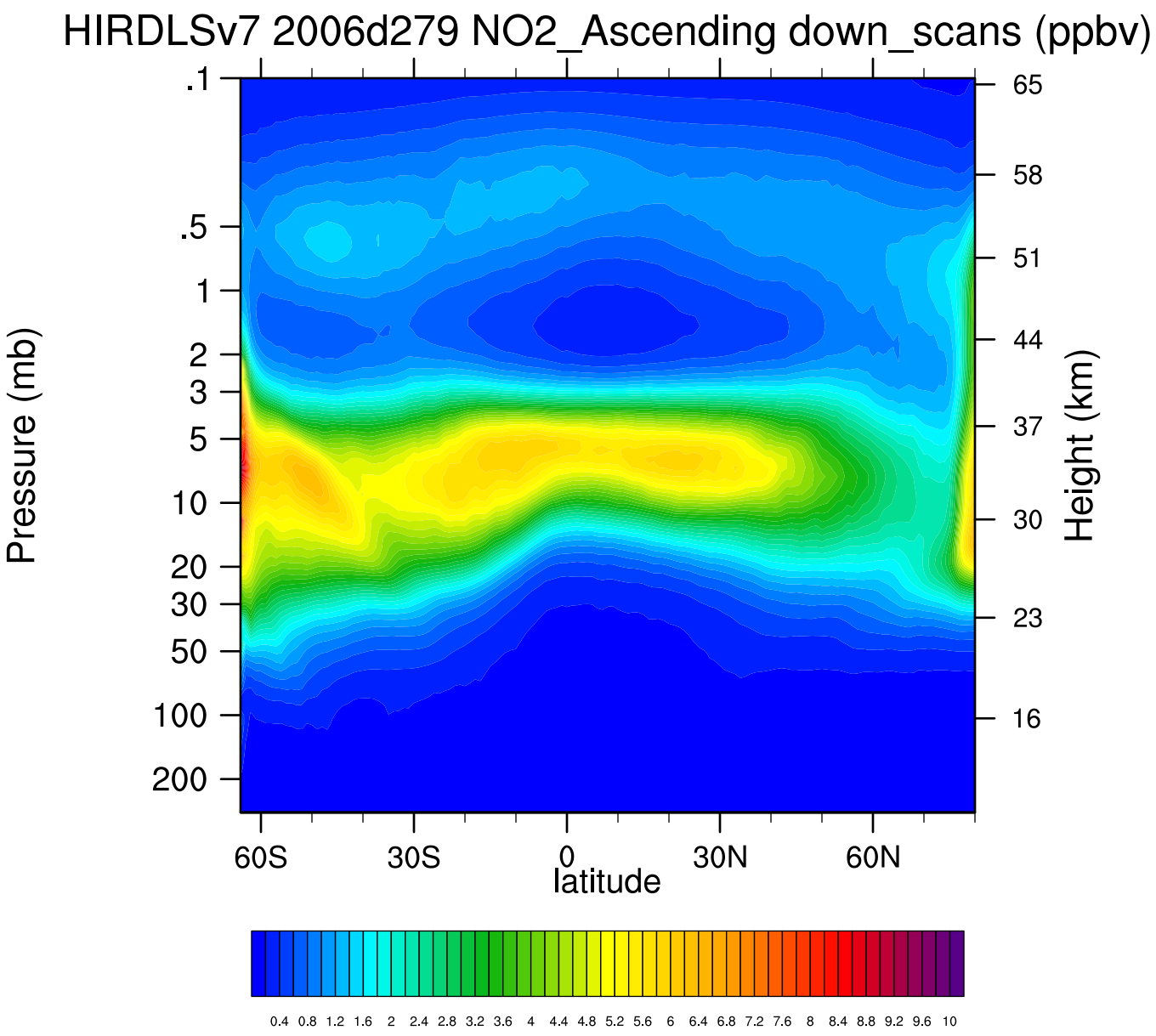

HIRDLSv7 2006d274 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

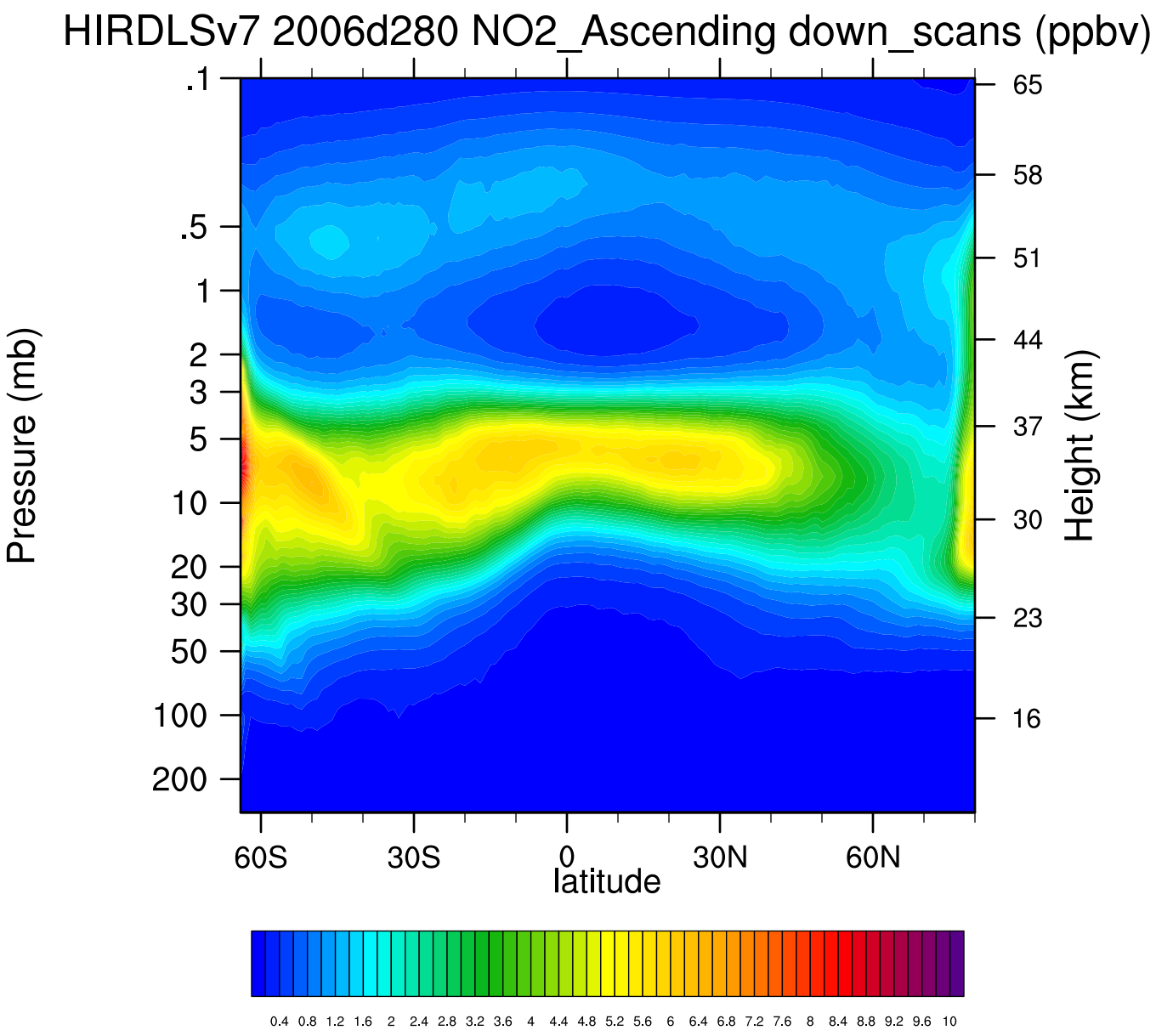

HIRDLSv7 2006d275 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

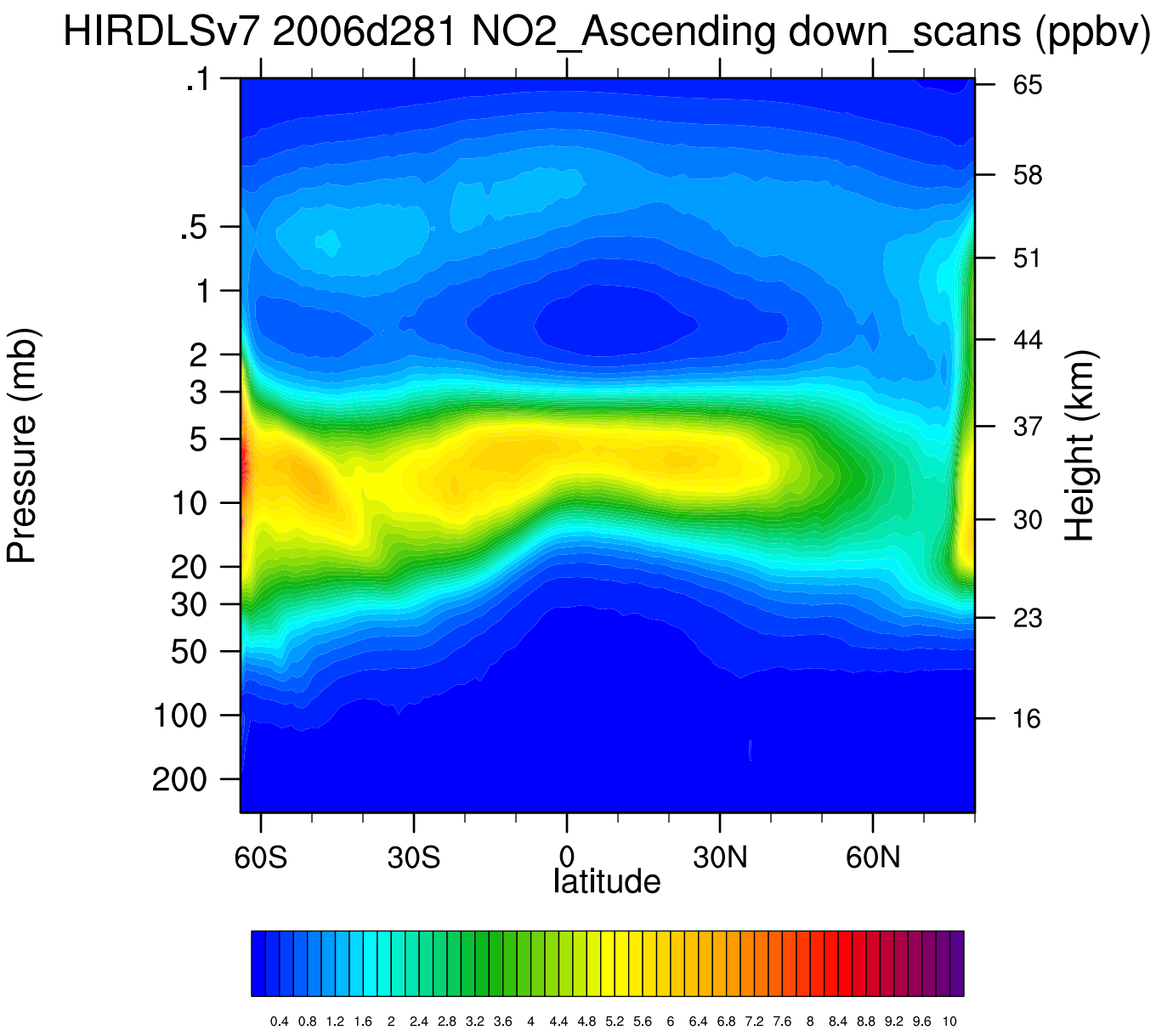

HIRDLSv7 2006d276 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

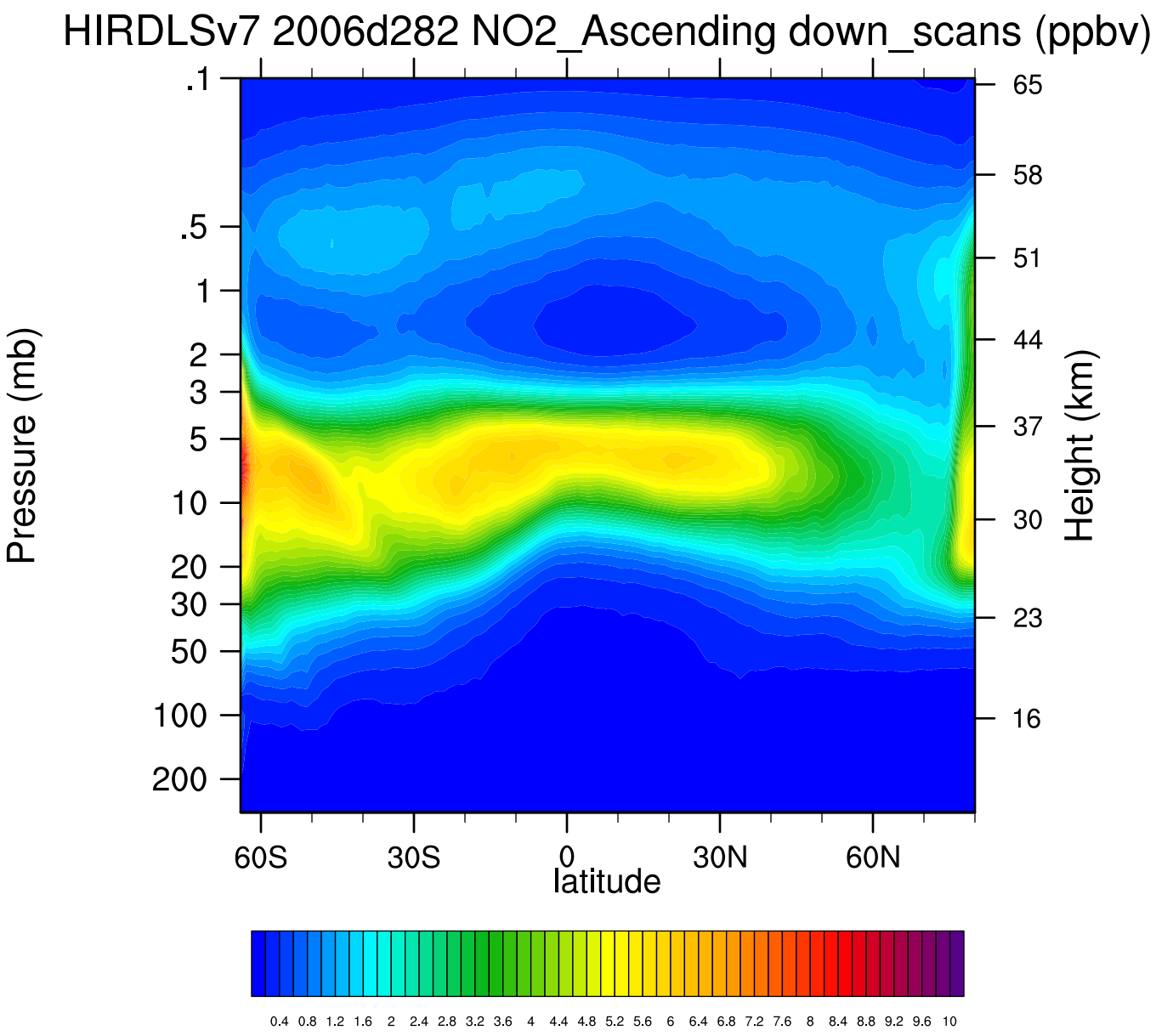

HIRDLSv7 2006d277 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

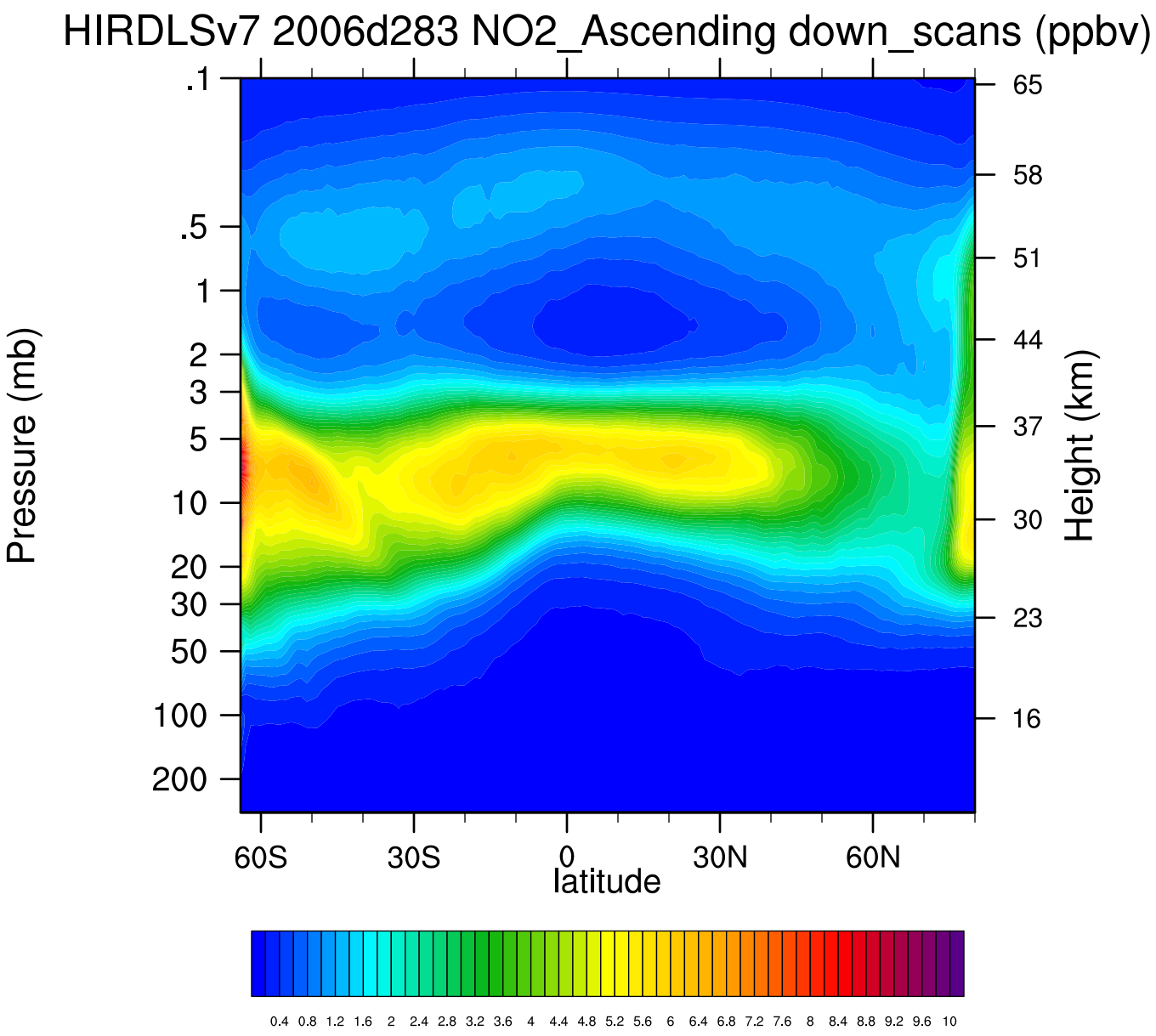

HIRDLSv7 2006d278 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

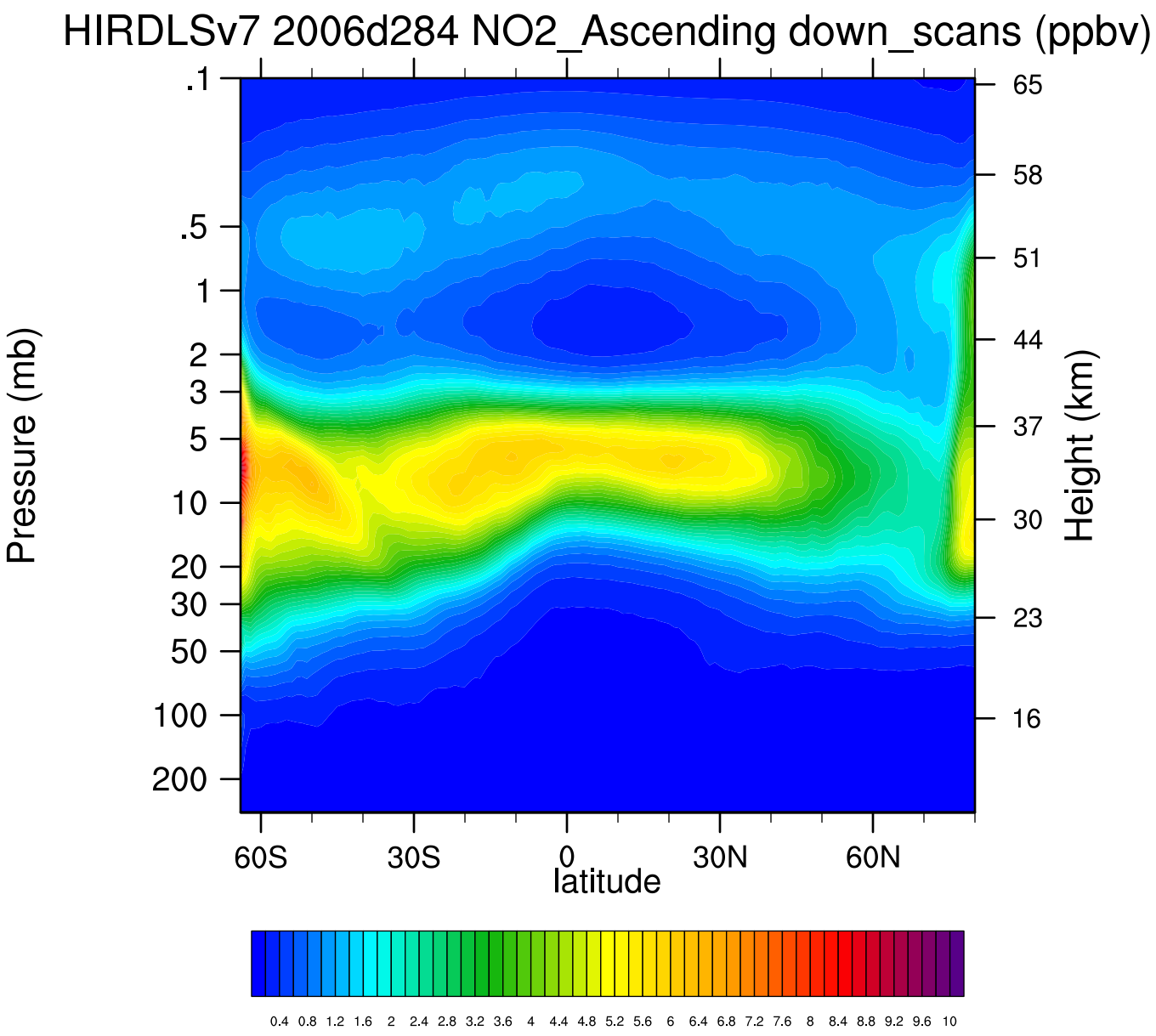

HIRDLSv7 2006d279 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

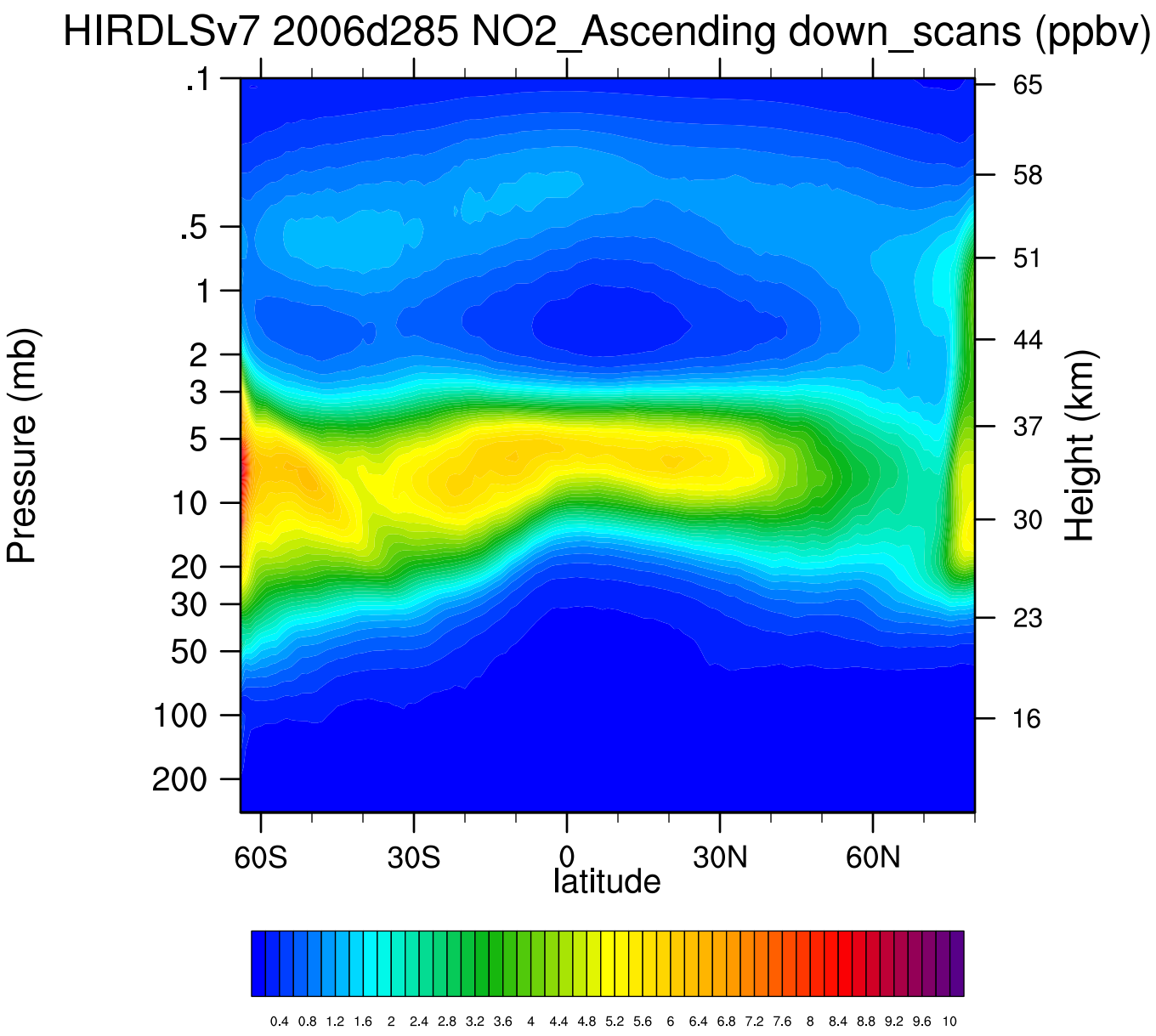

HIRDLSv7 2006d280 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

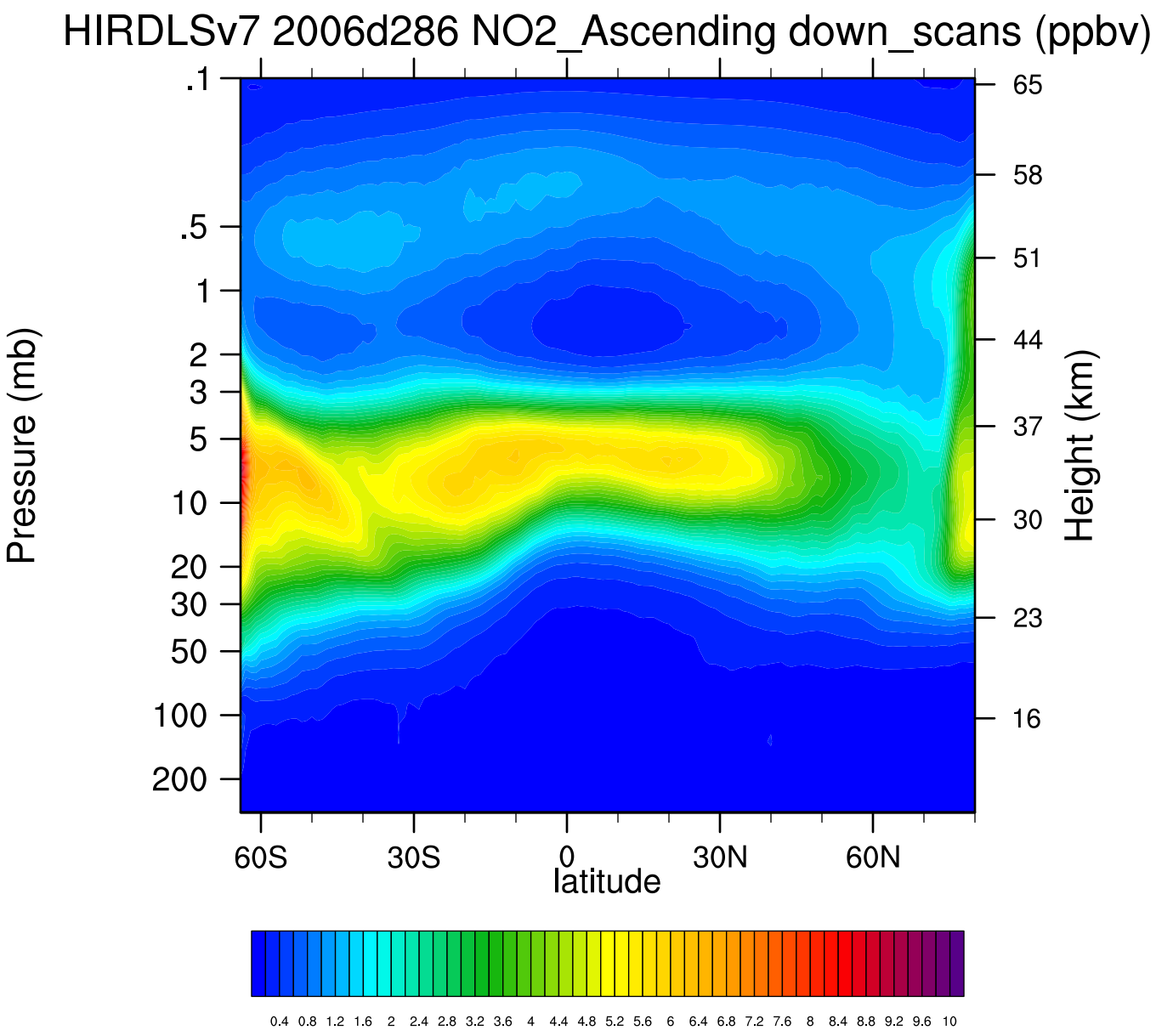

HIRDLSv7 2006d281 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

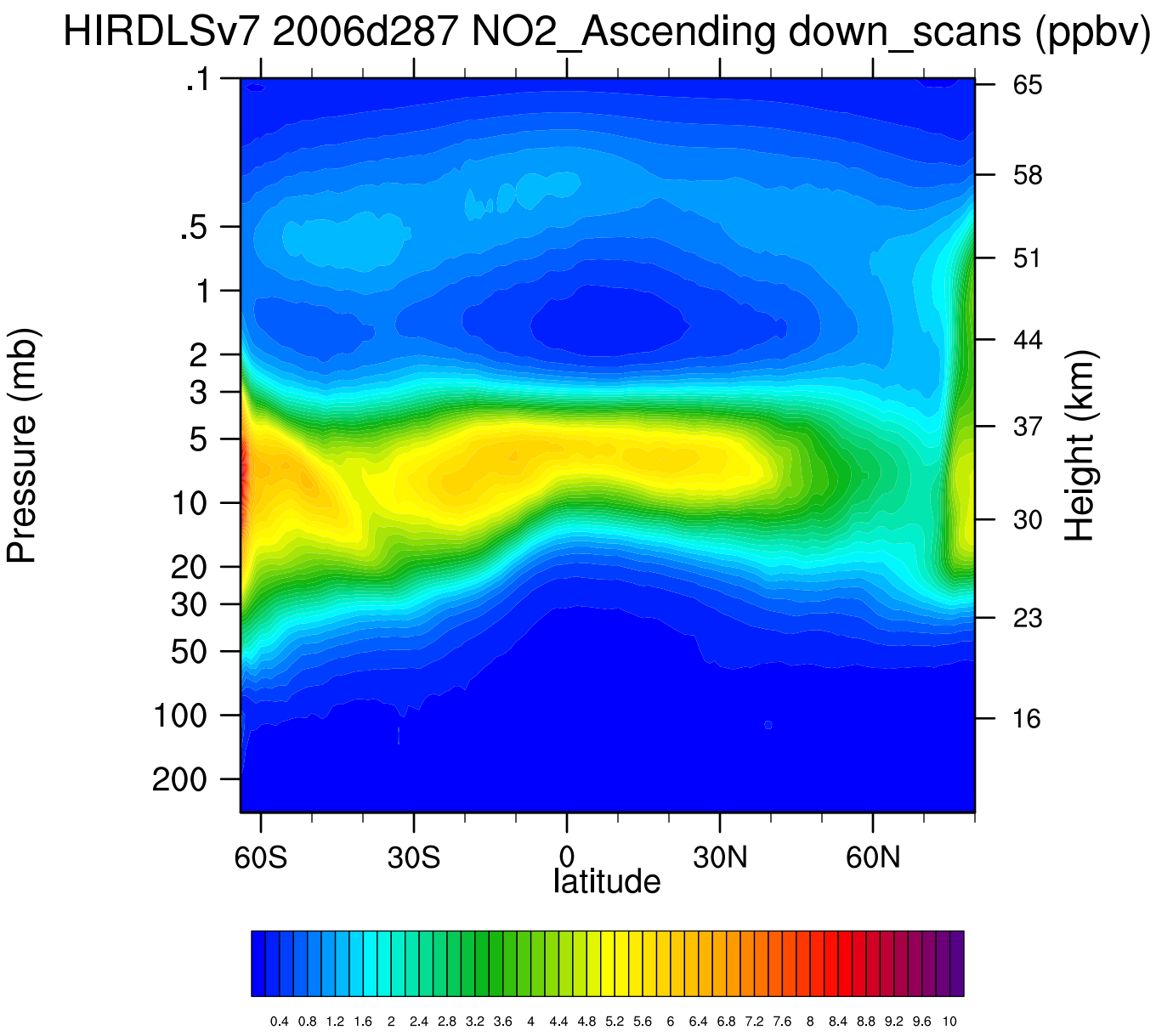

HIRDLSv7 2006d282 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

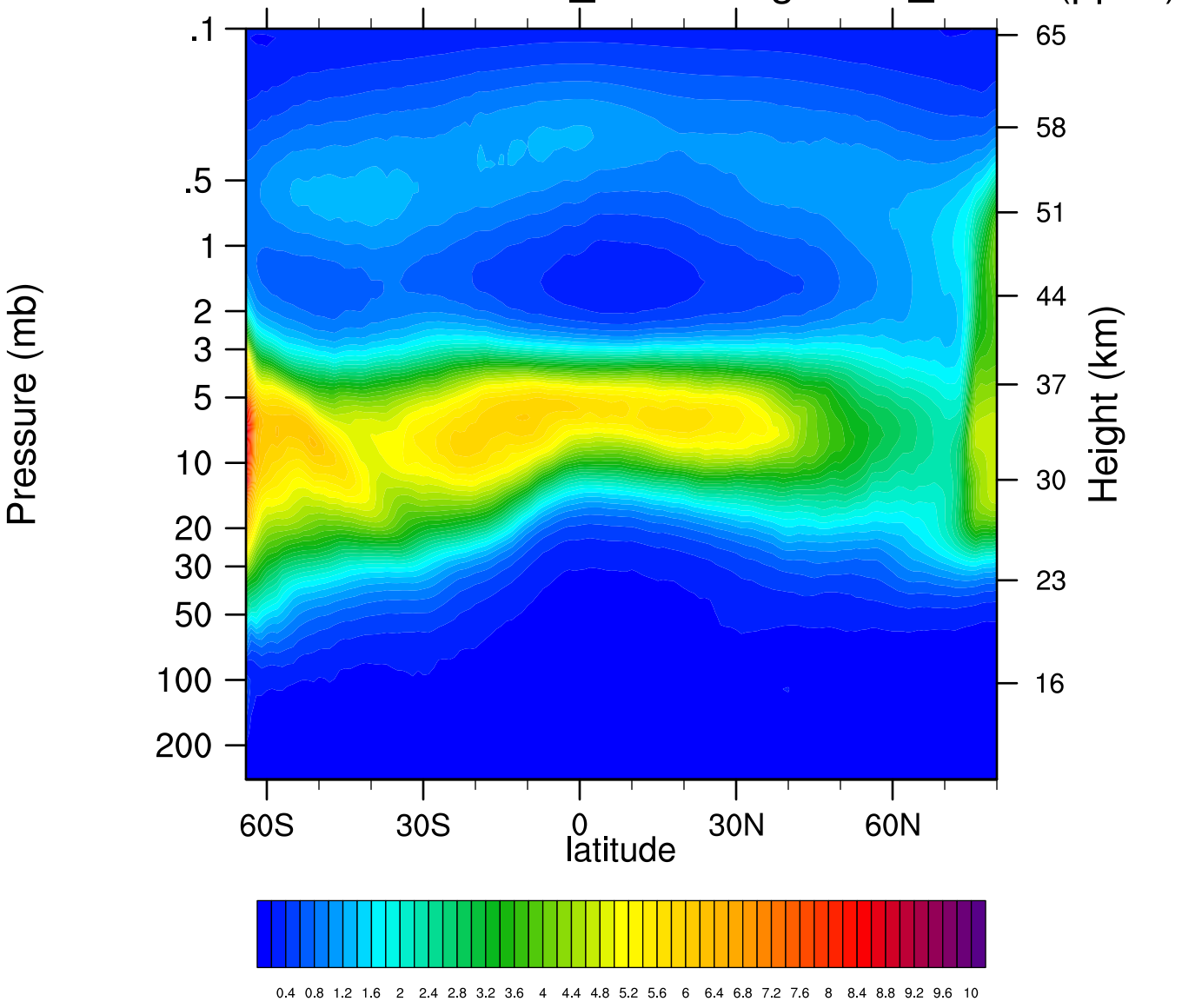

HIRDLSv7 2006d283 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

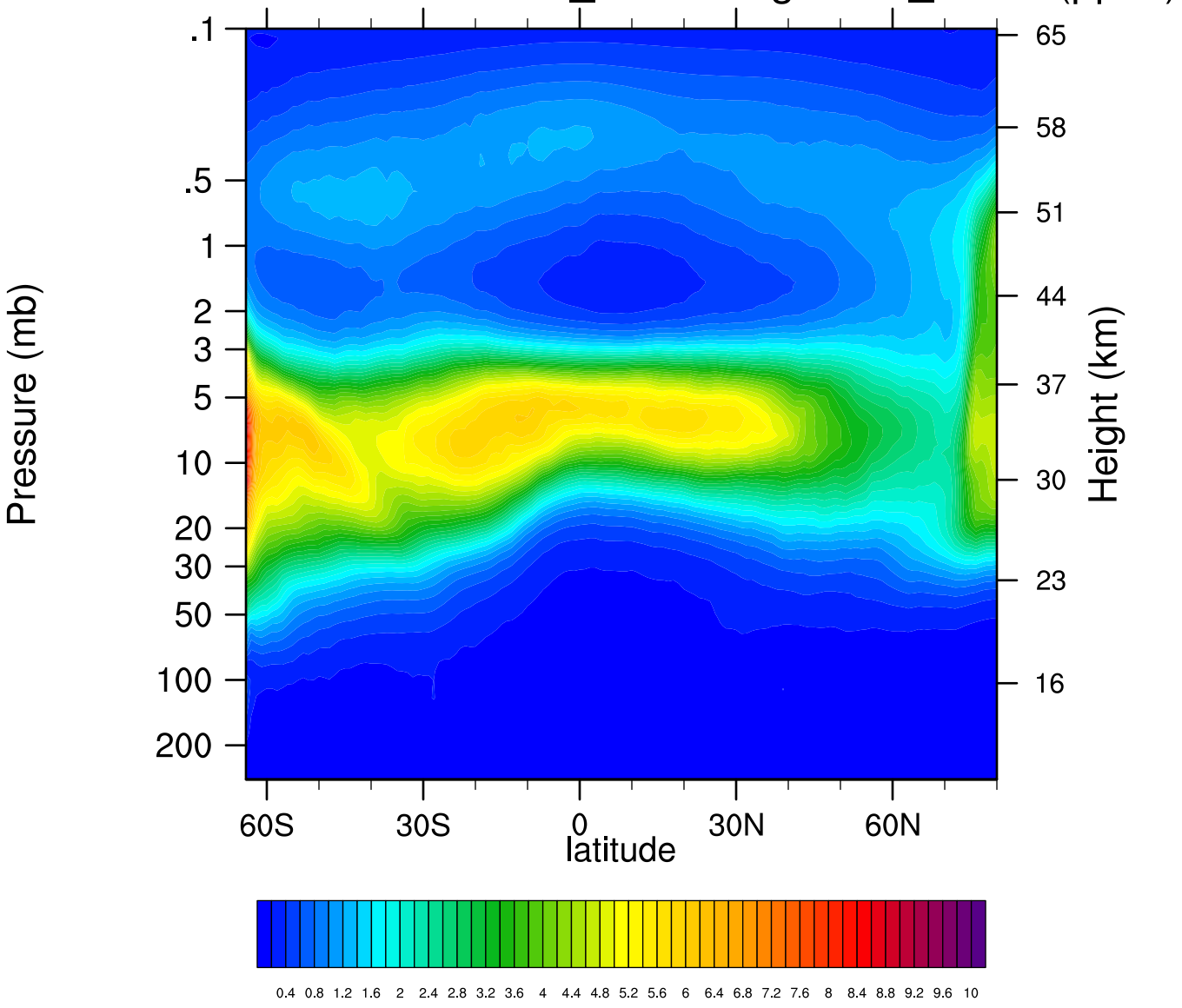

HIRDLSv7 2006d284 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

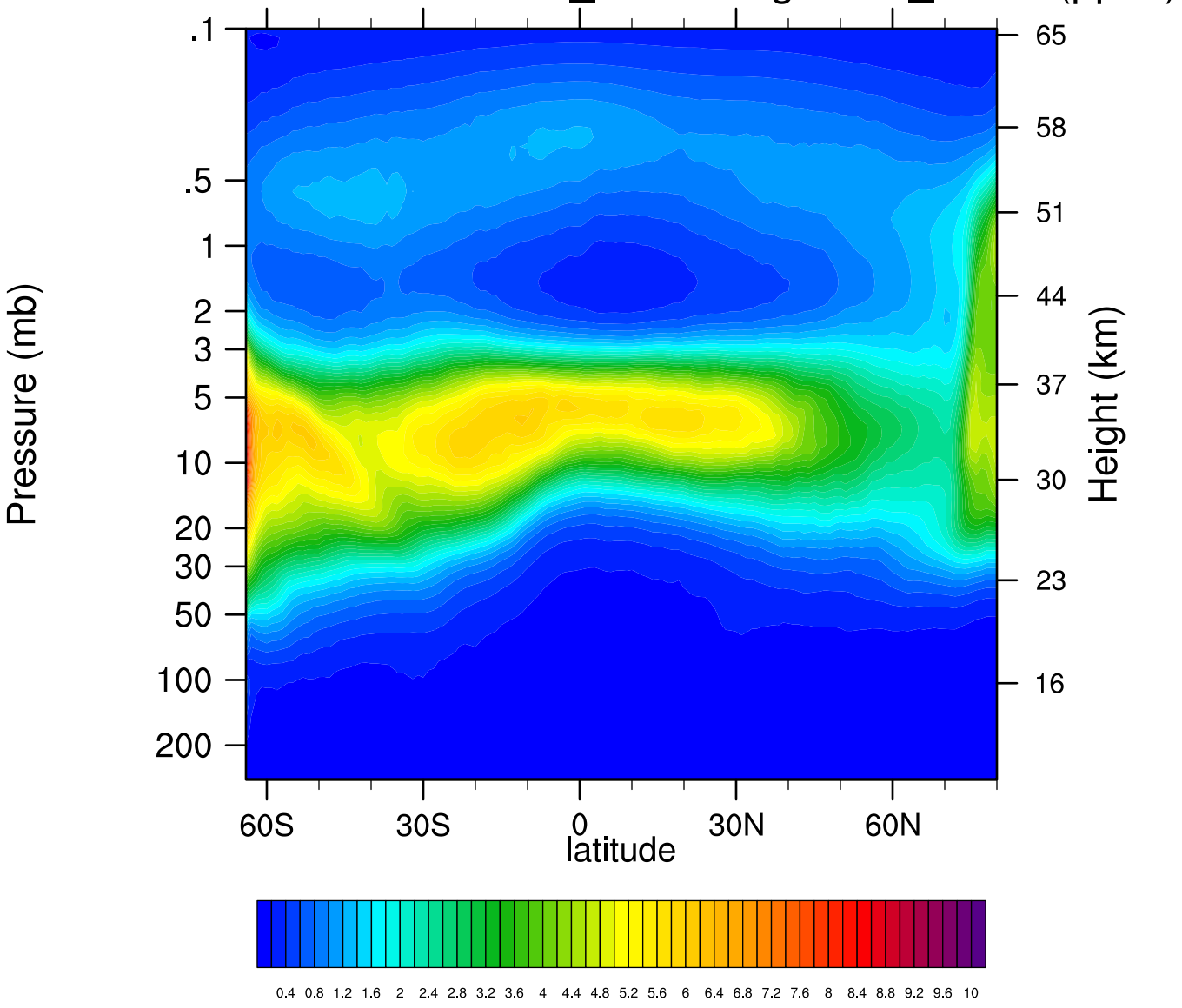

HIRDLSv7 2006d285 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

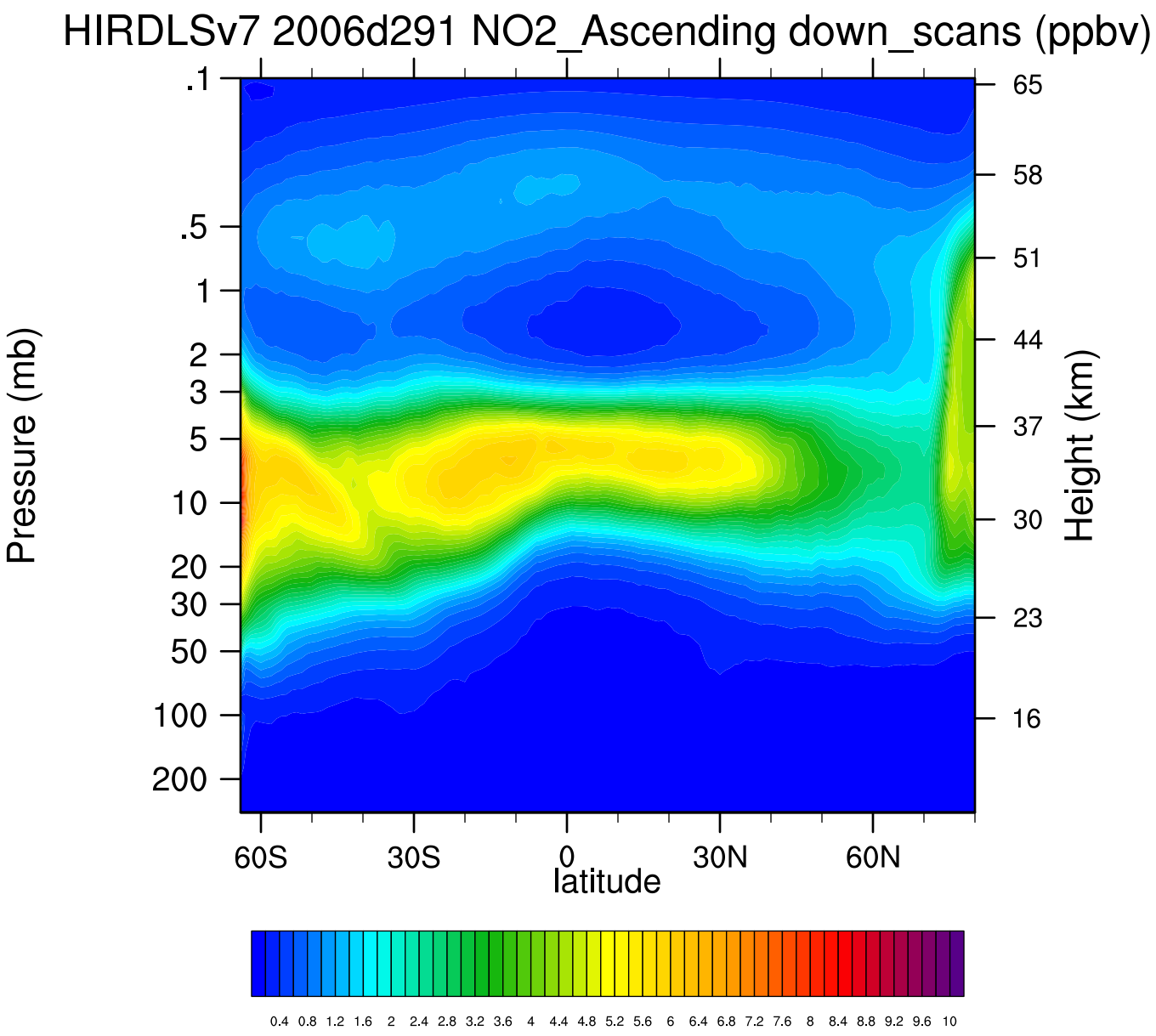

HIRDLSv7 2006d286 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

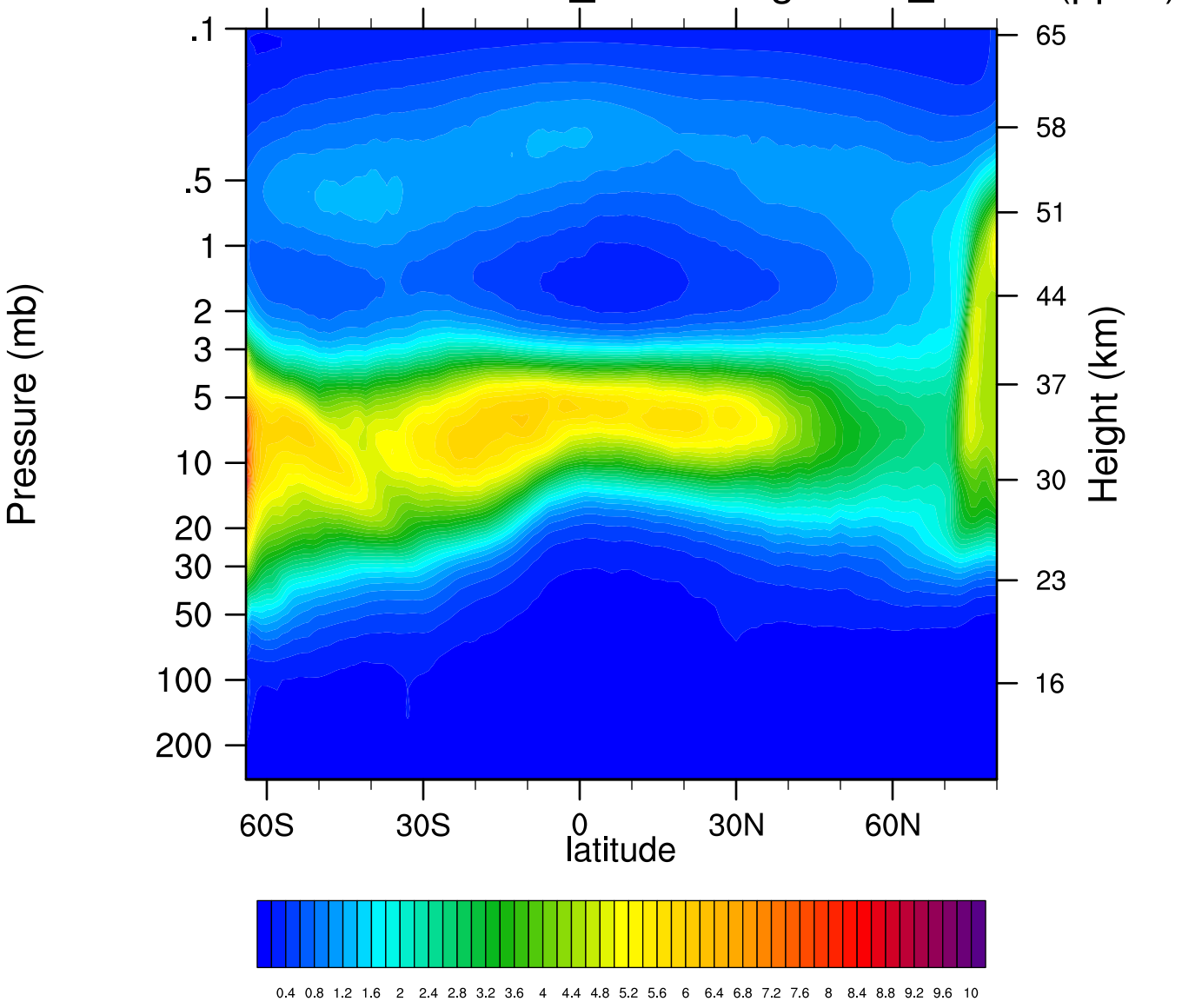

HIRDLSv7 2006d287 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

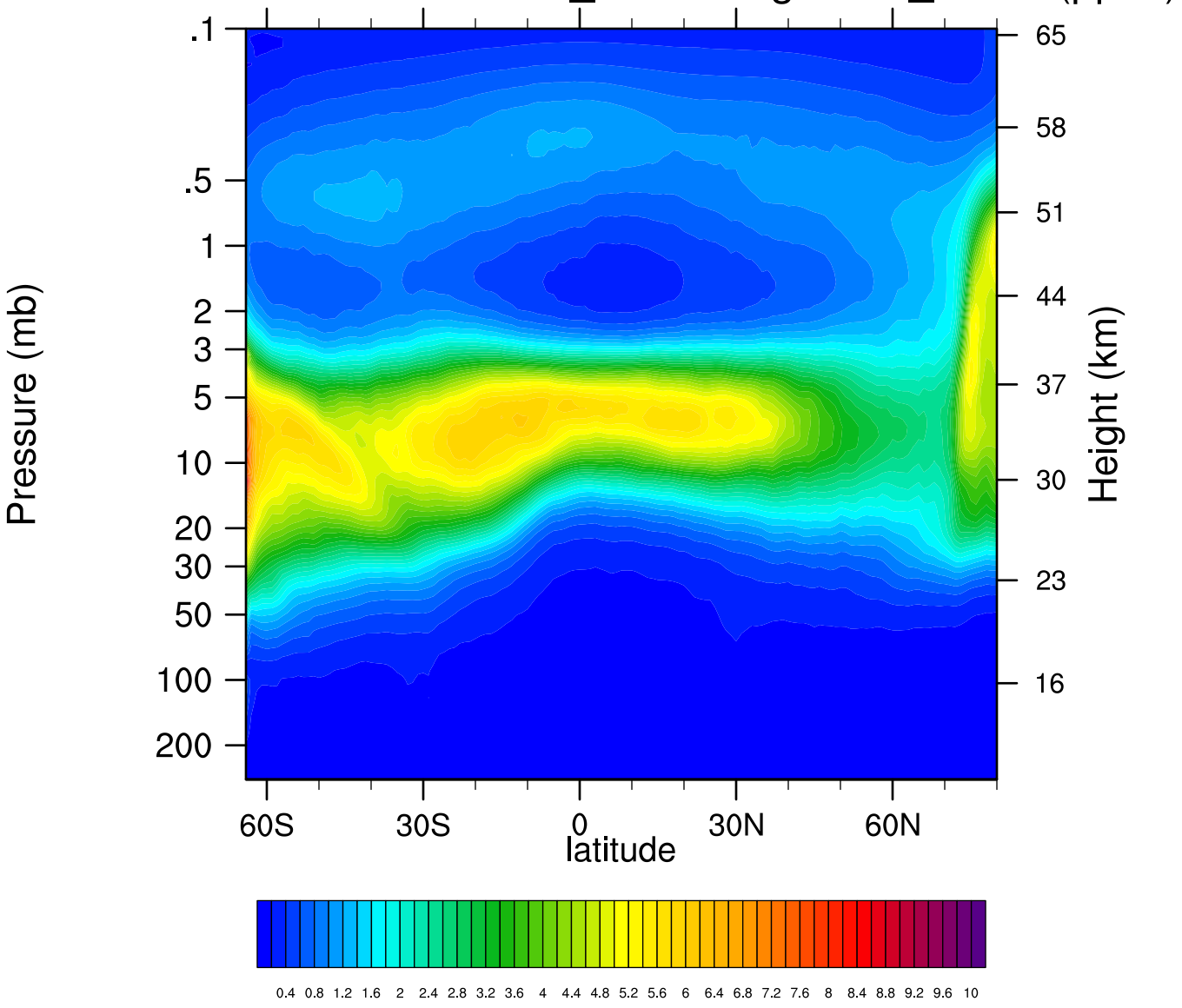

HIRDLSv7 2006d288 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

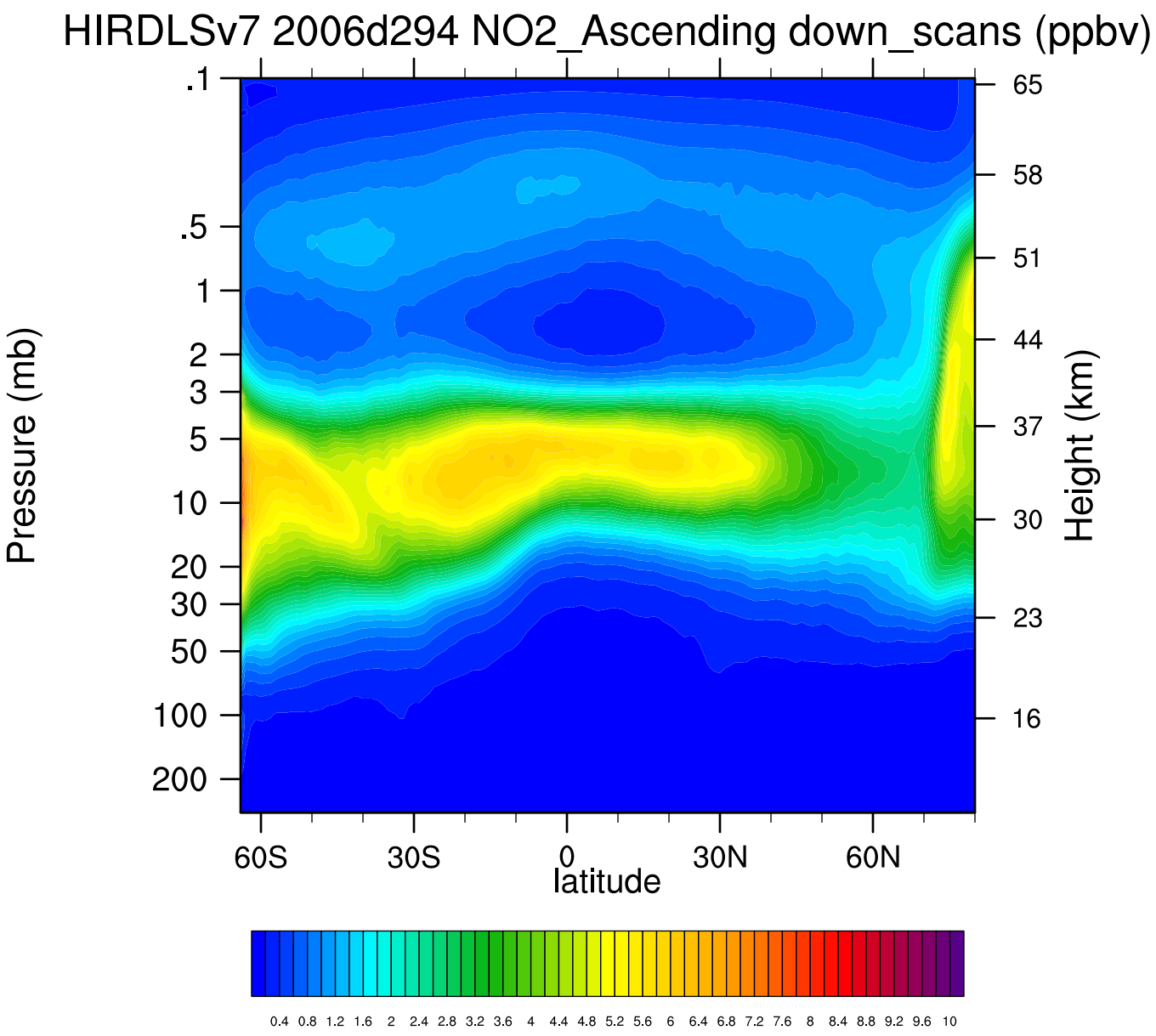

HIRDLSv7 2006d289 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

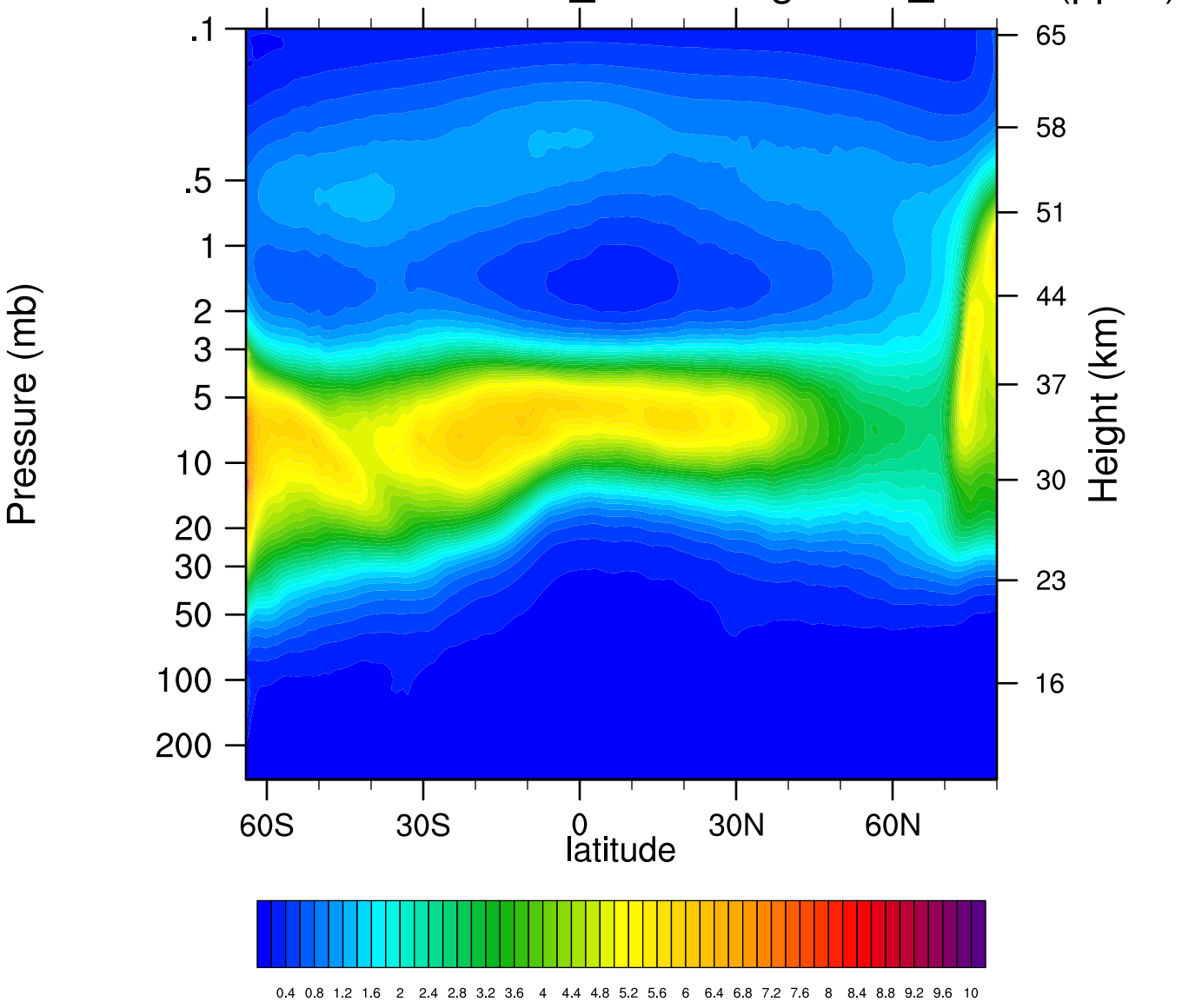

HIRDLSv7 2006d290 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

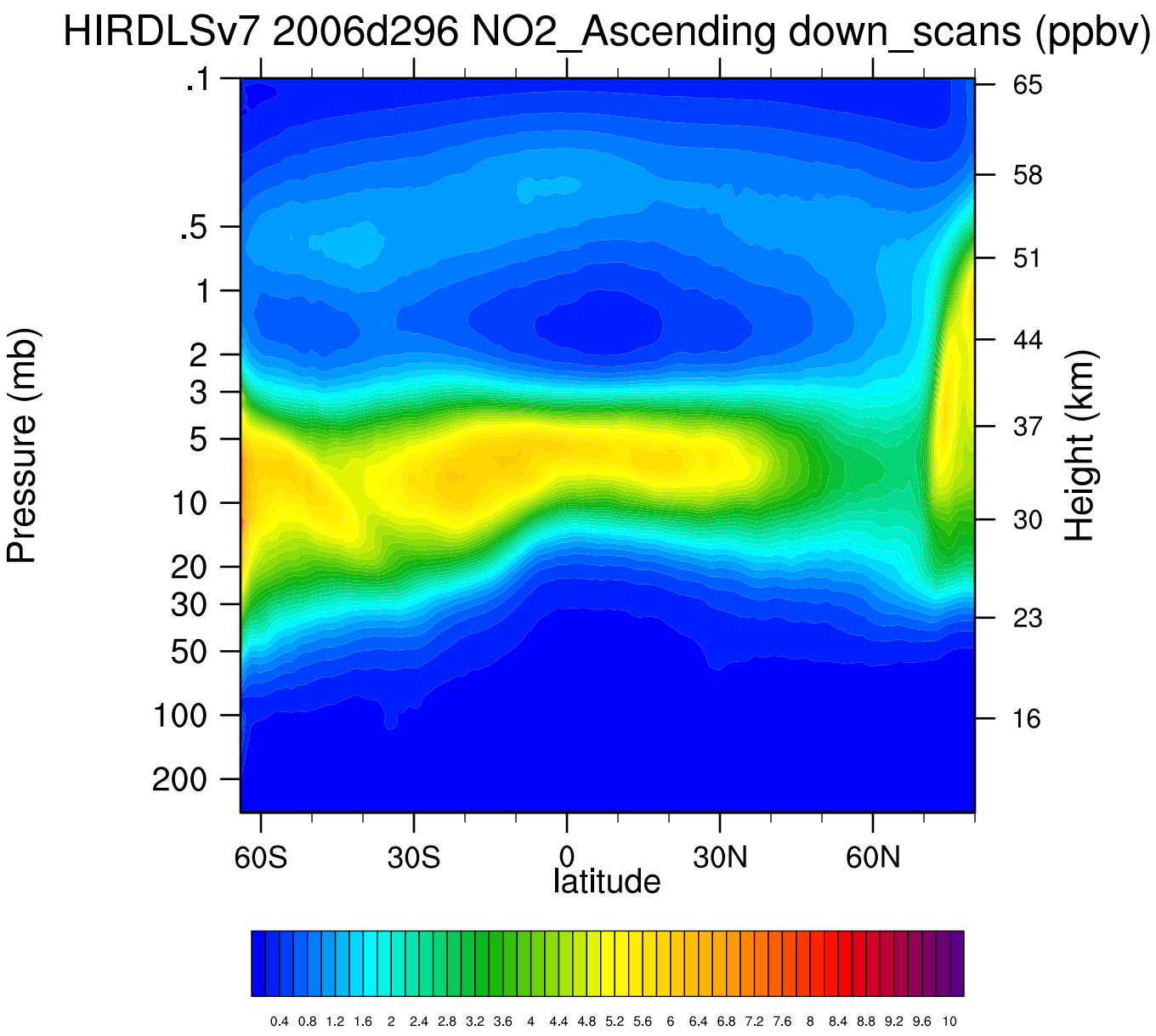

HIRDLSv7 2006d291 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

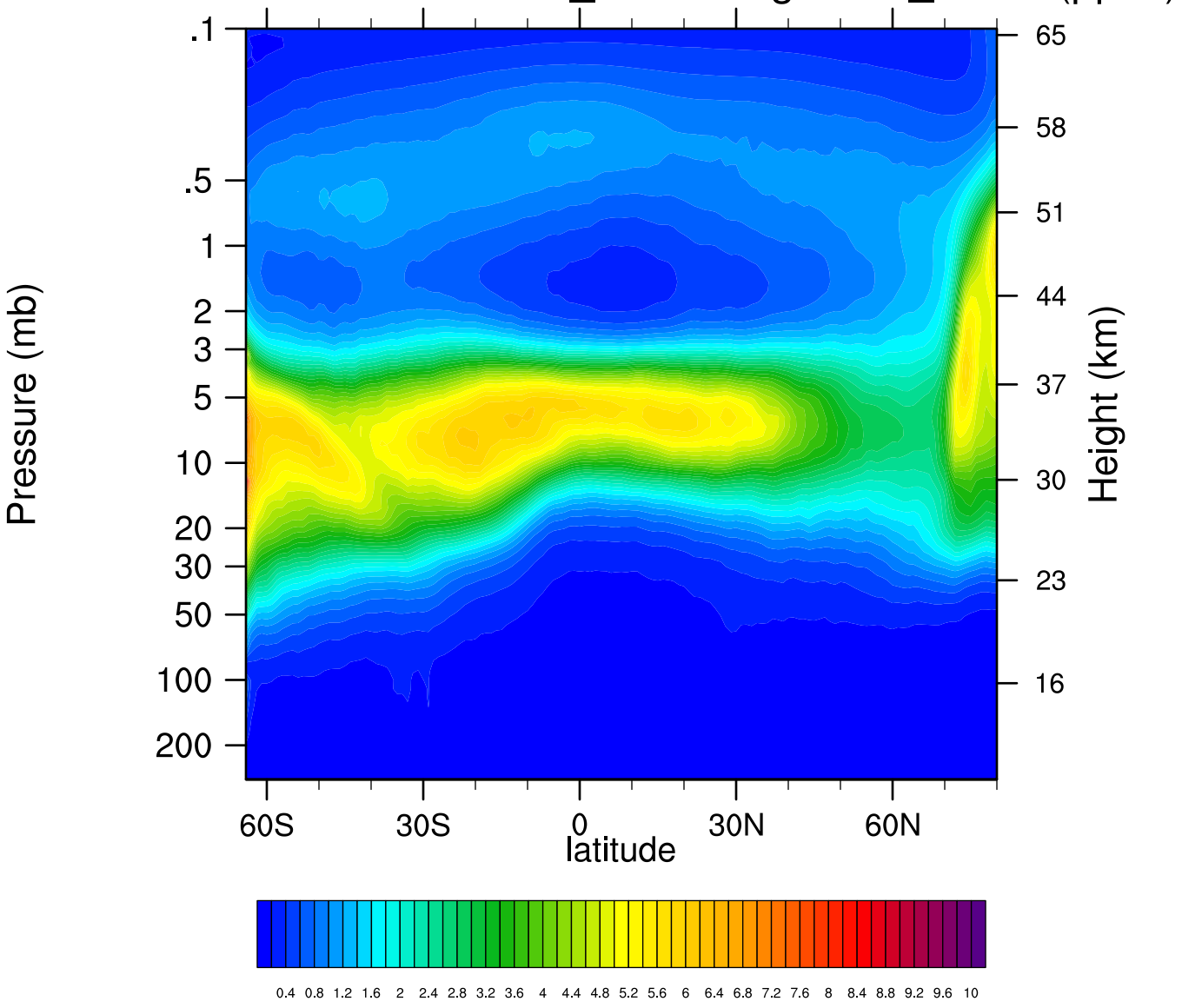

HIRDLSv7 2006d292 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

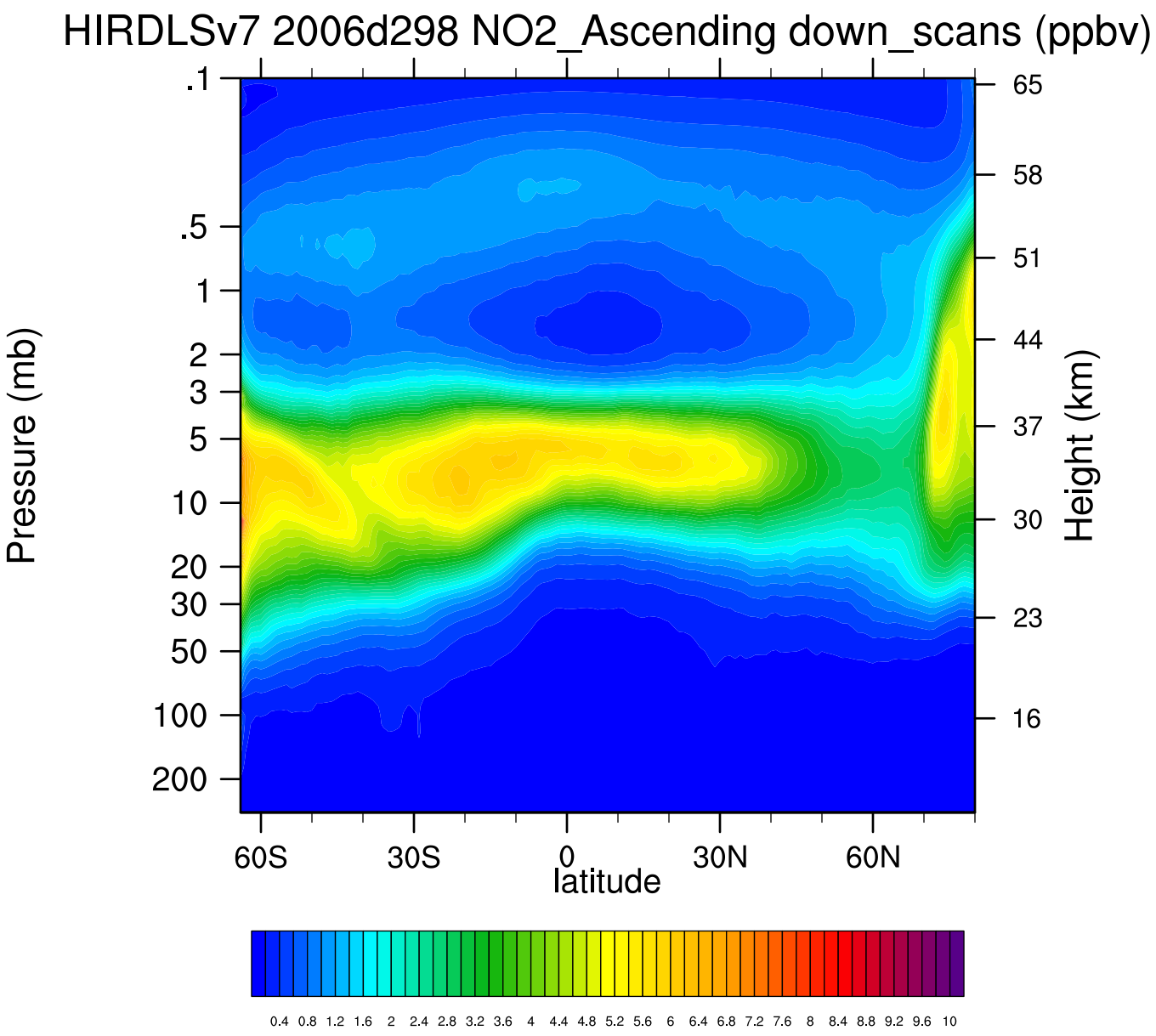

HIRDLSv7 2006d293 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

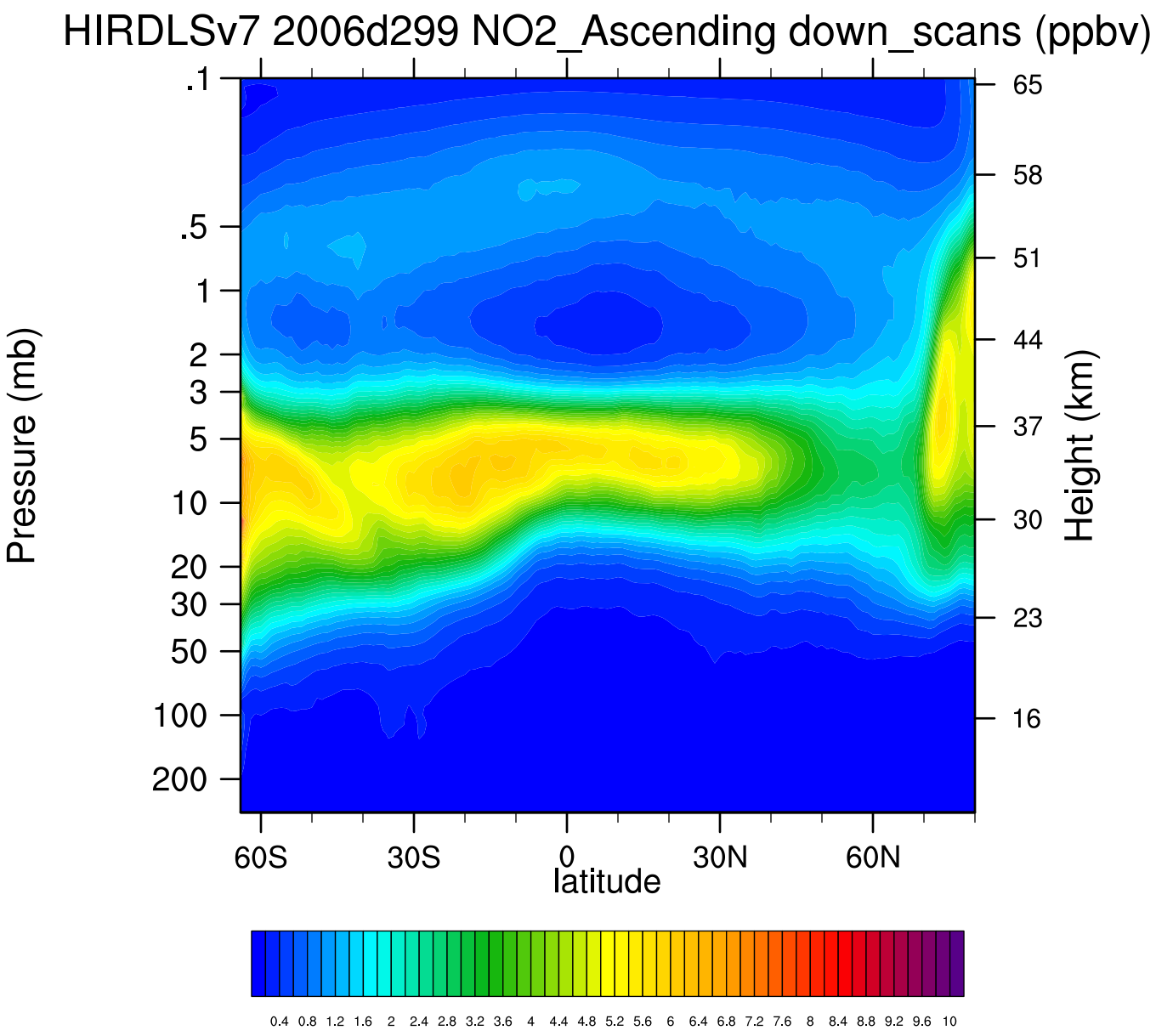

HIRDLSv7 2006d294 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

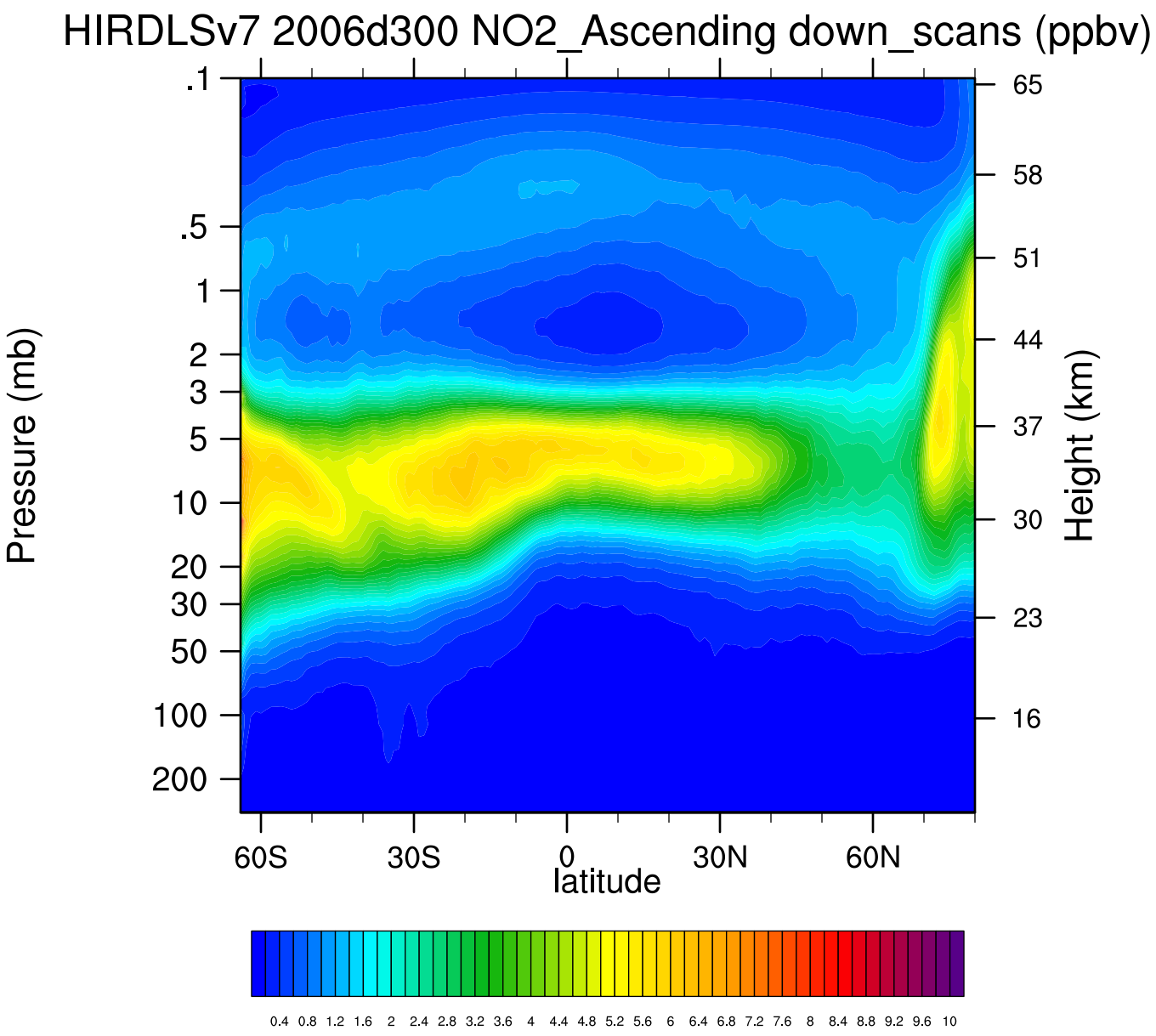

HIRDLSv7 2006d295 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

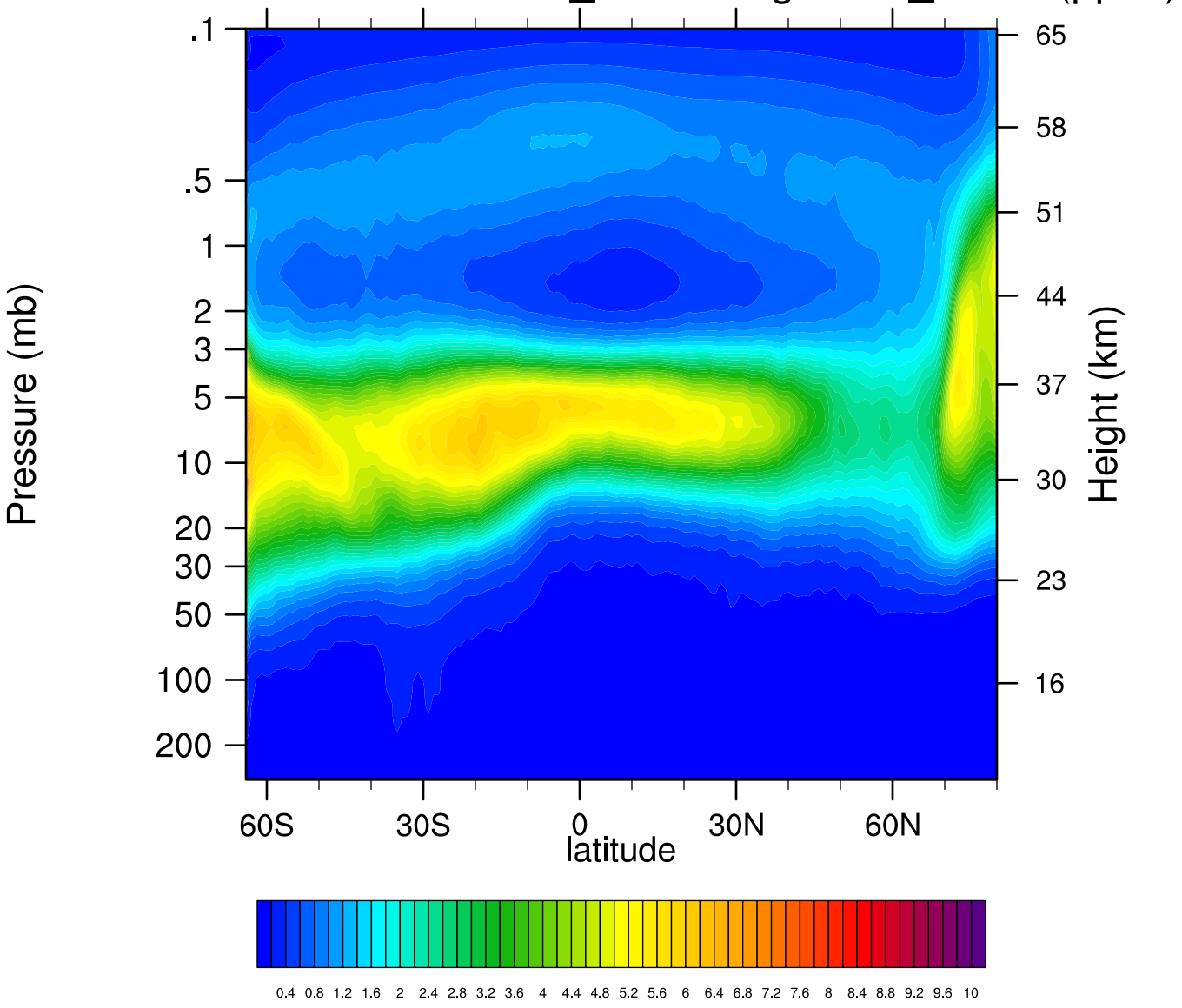

HIRDLSv7 2006d296 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

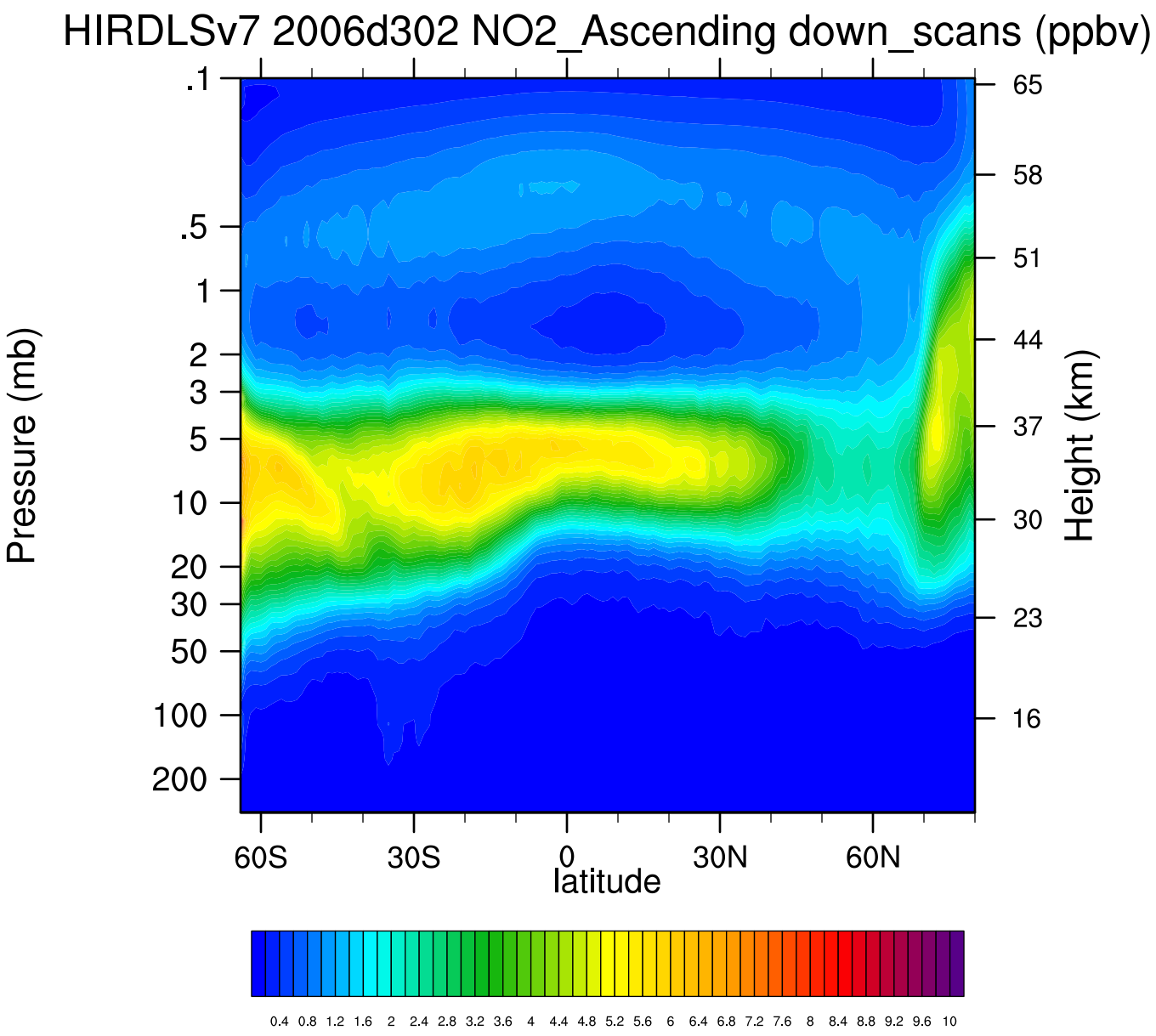

HIRDLSv7 2006d297 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

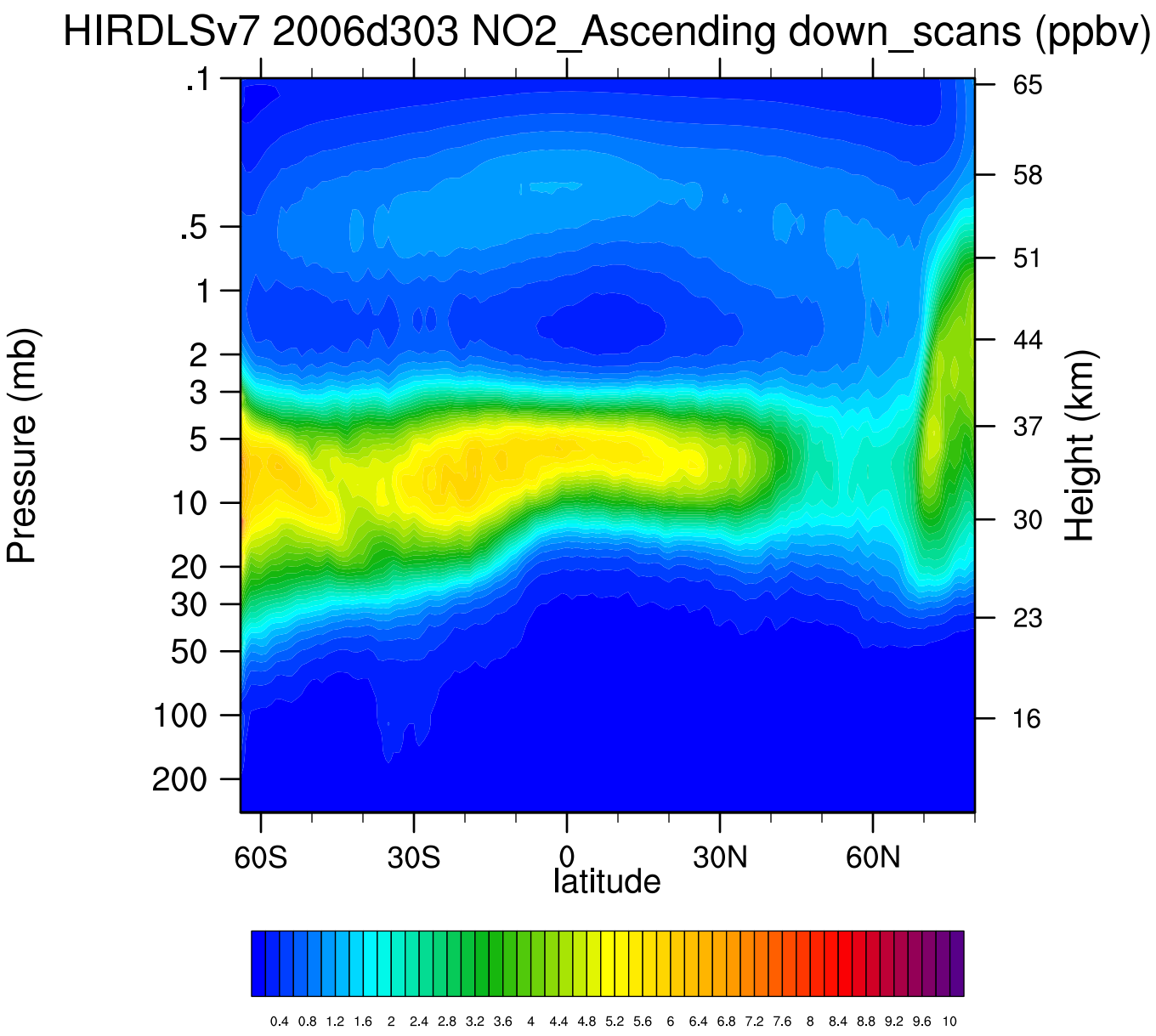

HIRDLSv7 2006d298 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

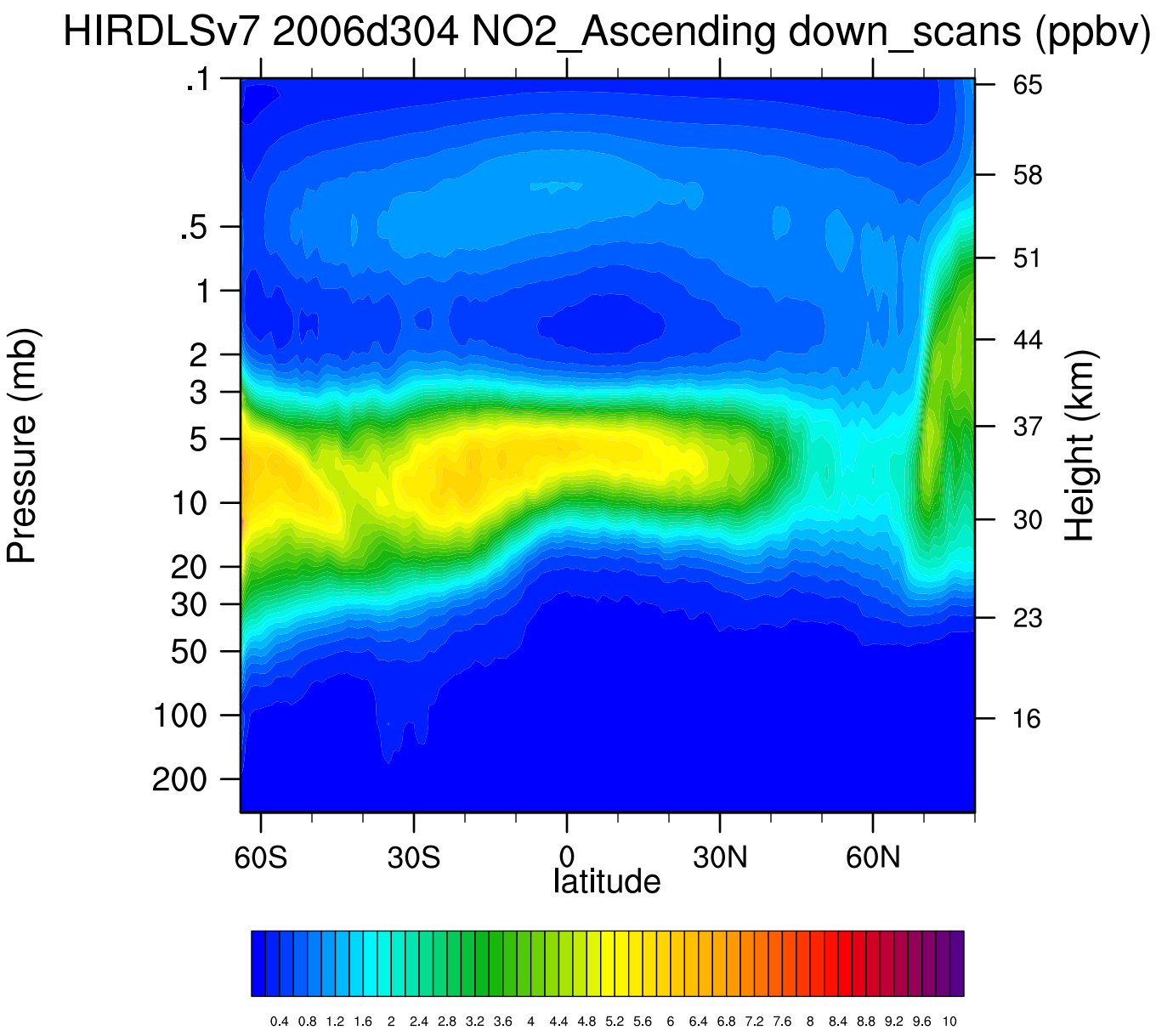

HIRDLSv7 2006d299 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

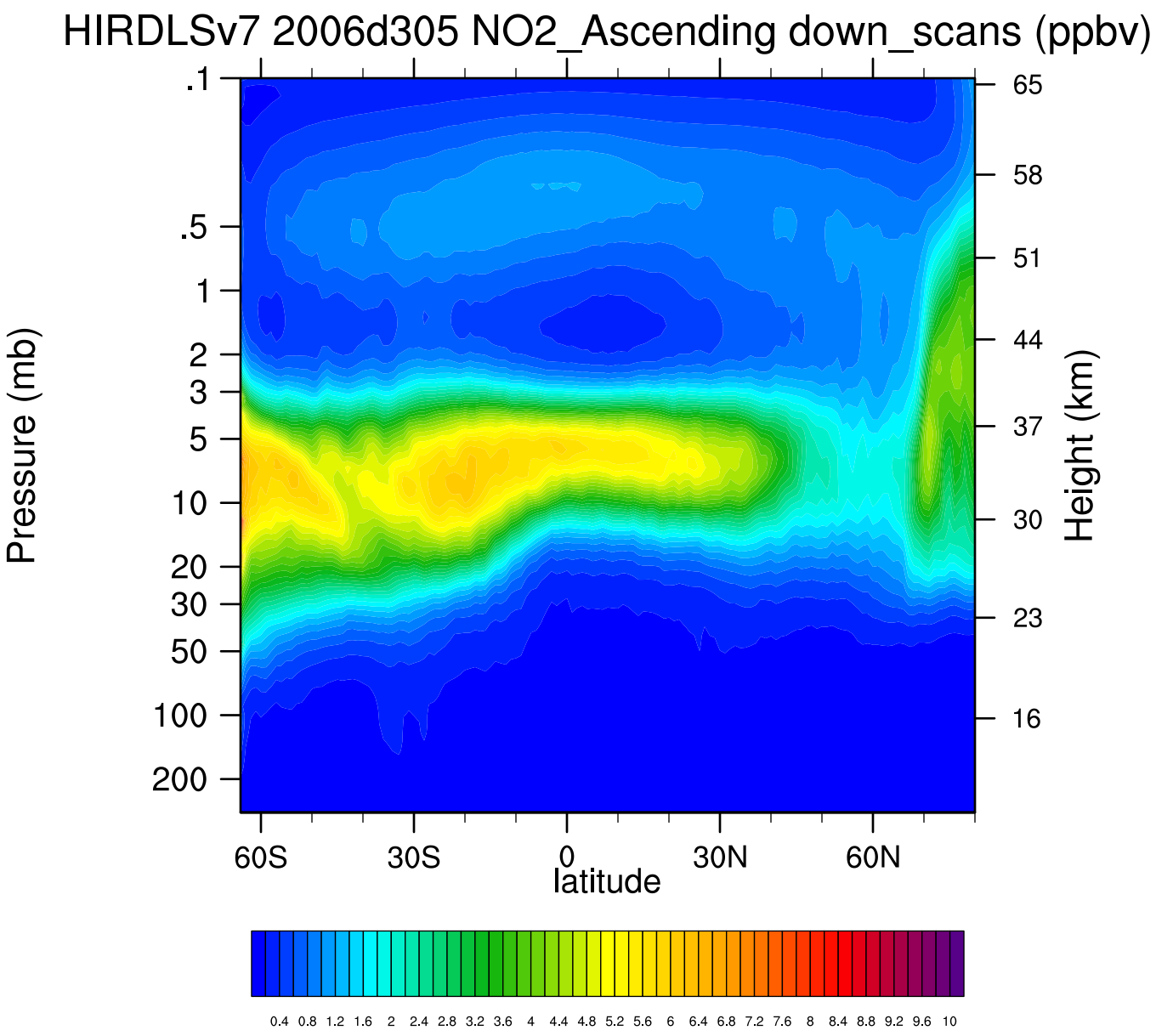

HIRDLSv7 2006d300 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

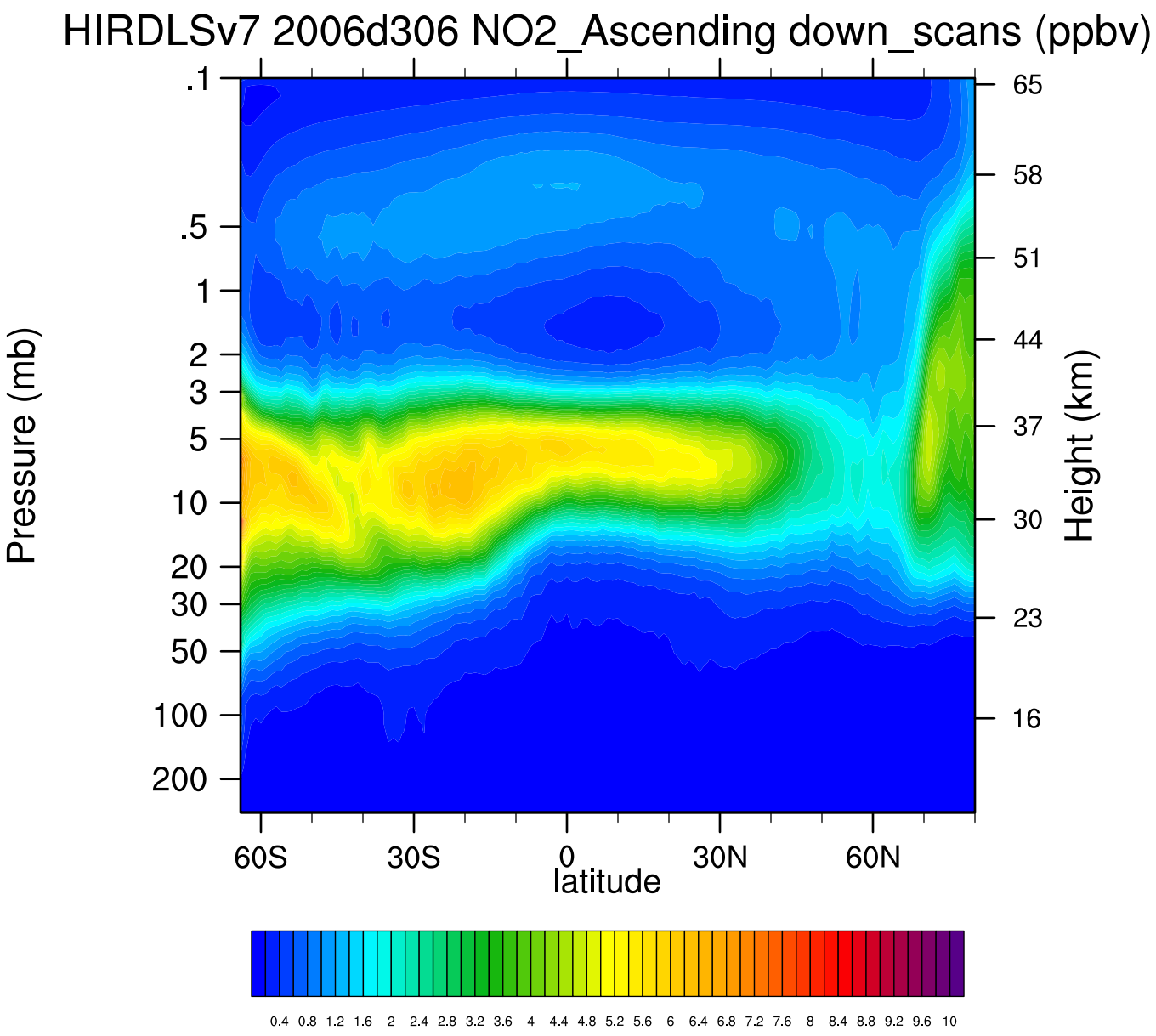

HIRDLSv7 2006d301 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

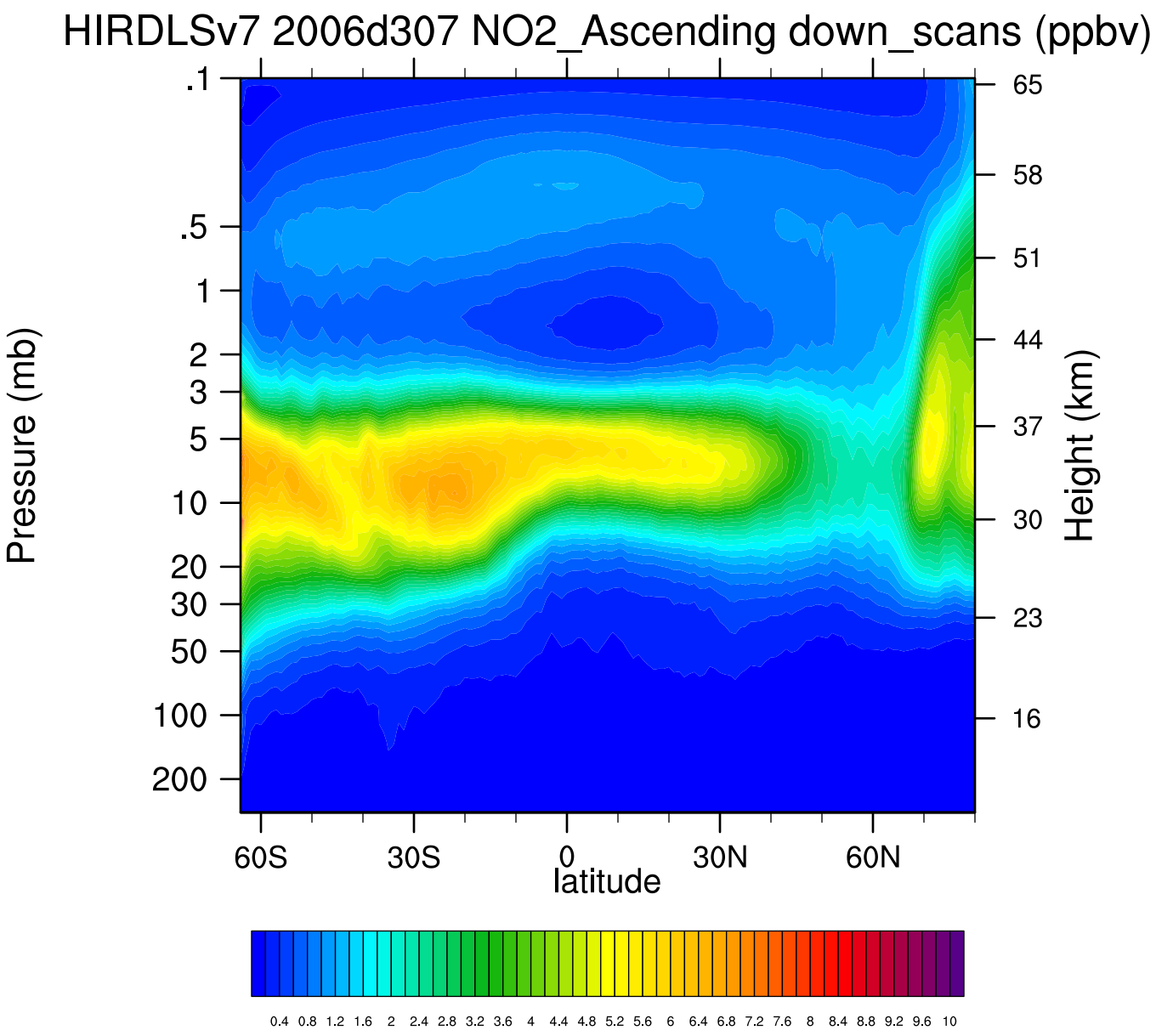

HIRDLSv7 2006d302 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

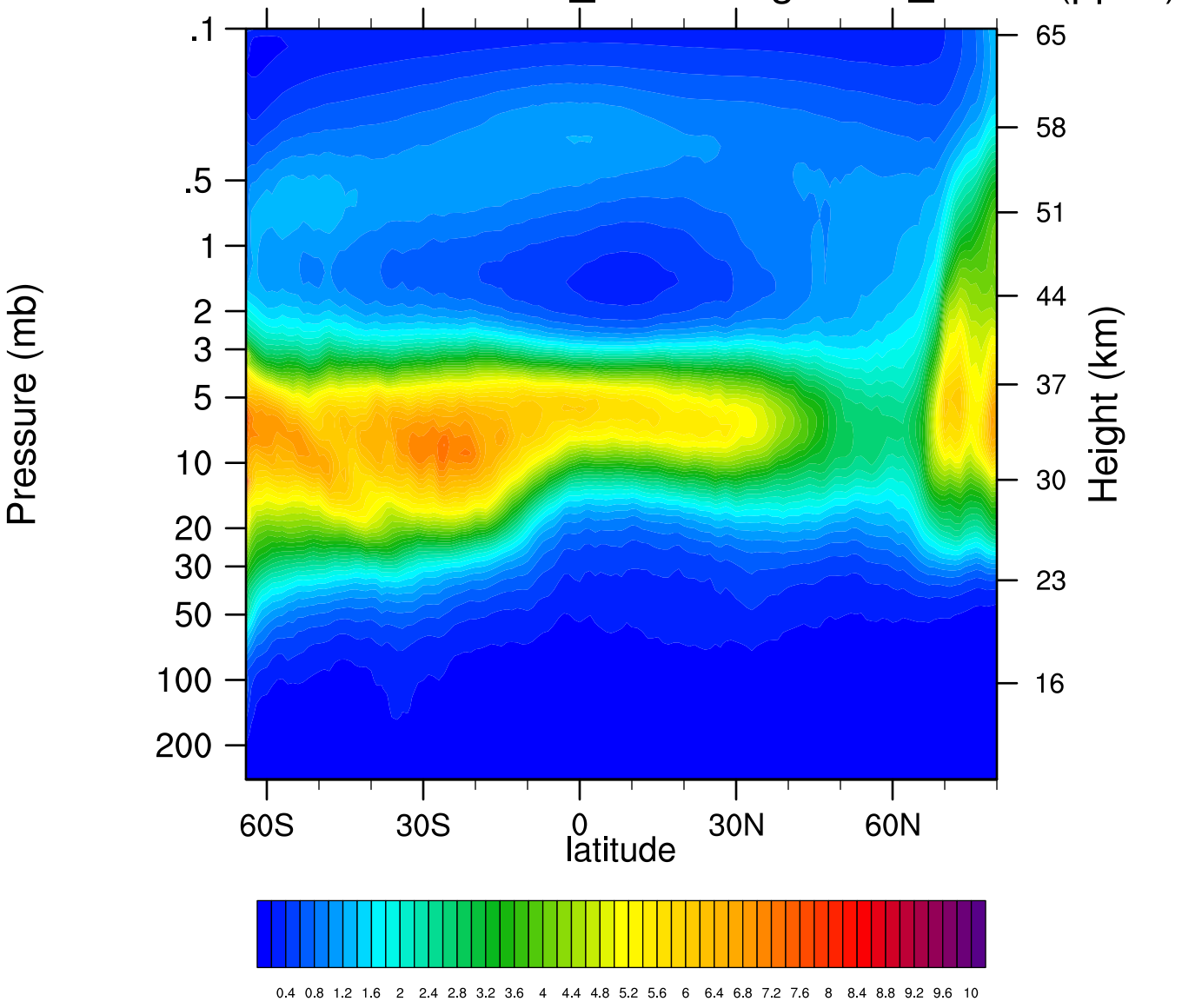

HIRDLSv7 2006d303 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

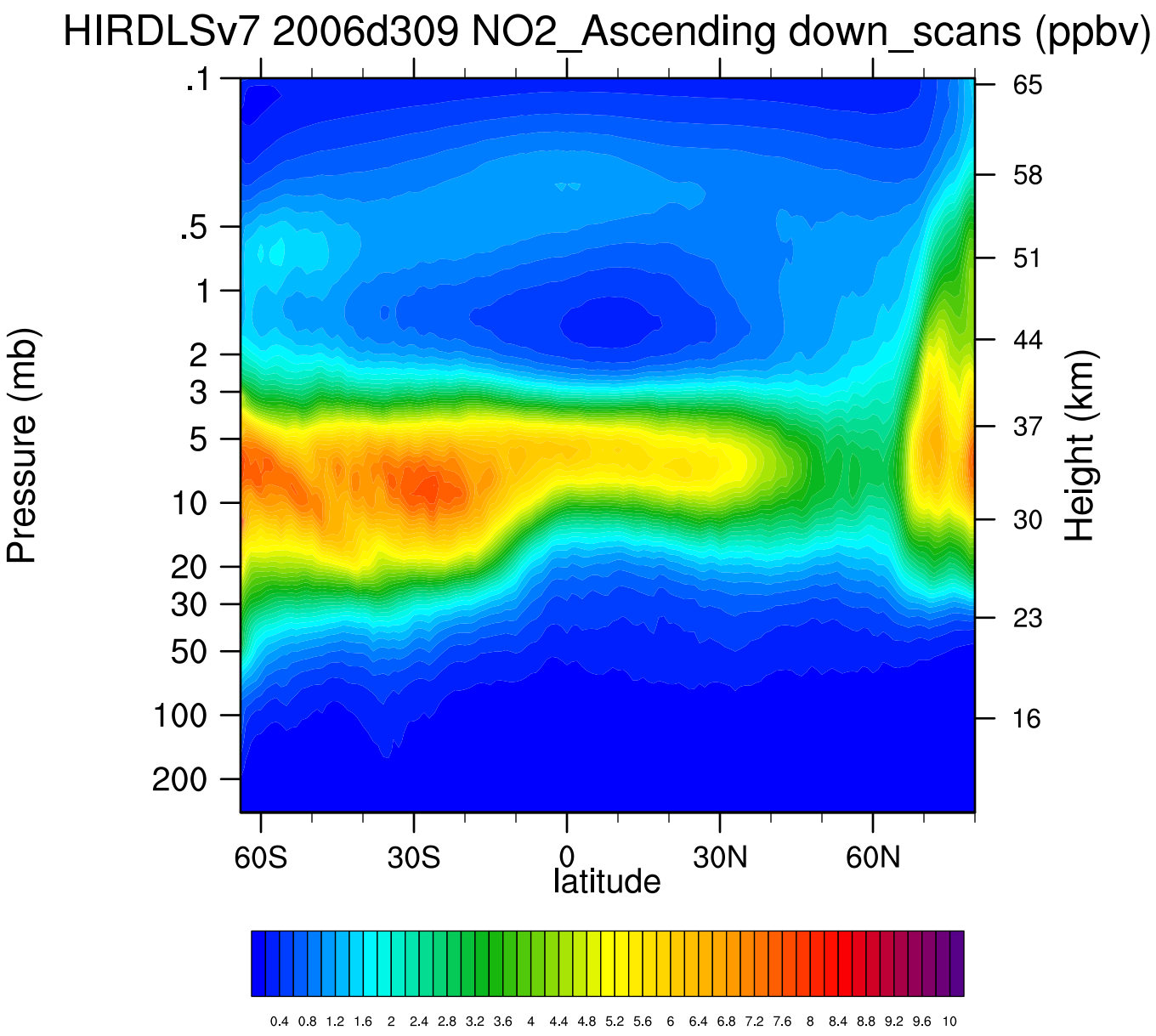

HIRDLSv7 2006d304 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

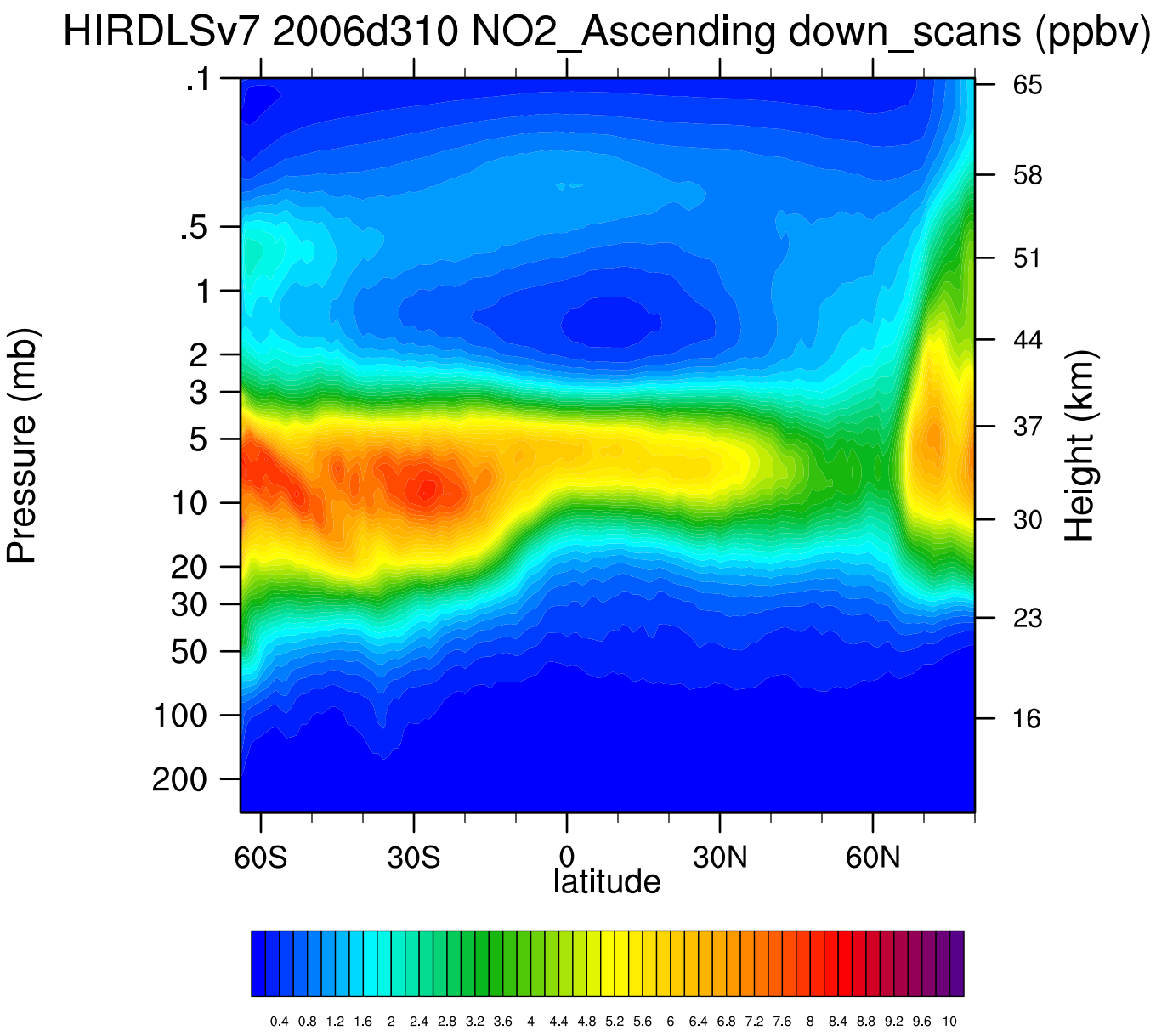

HIRDLSv7 2006d305 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

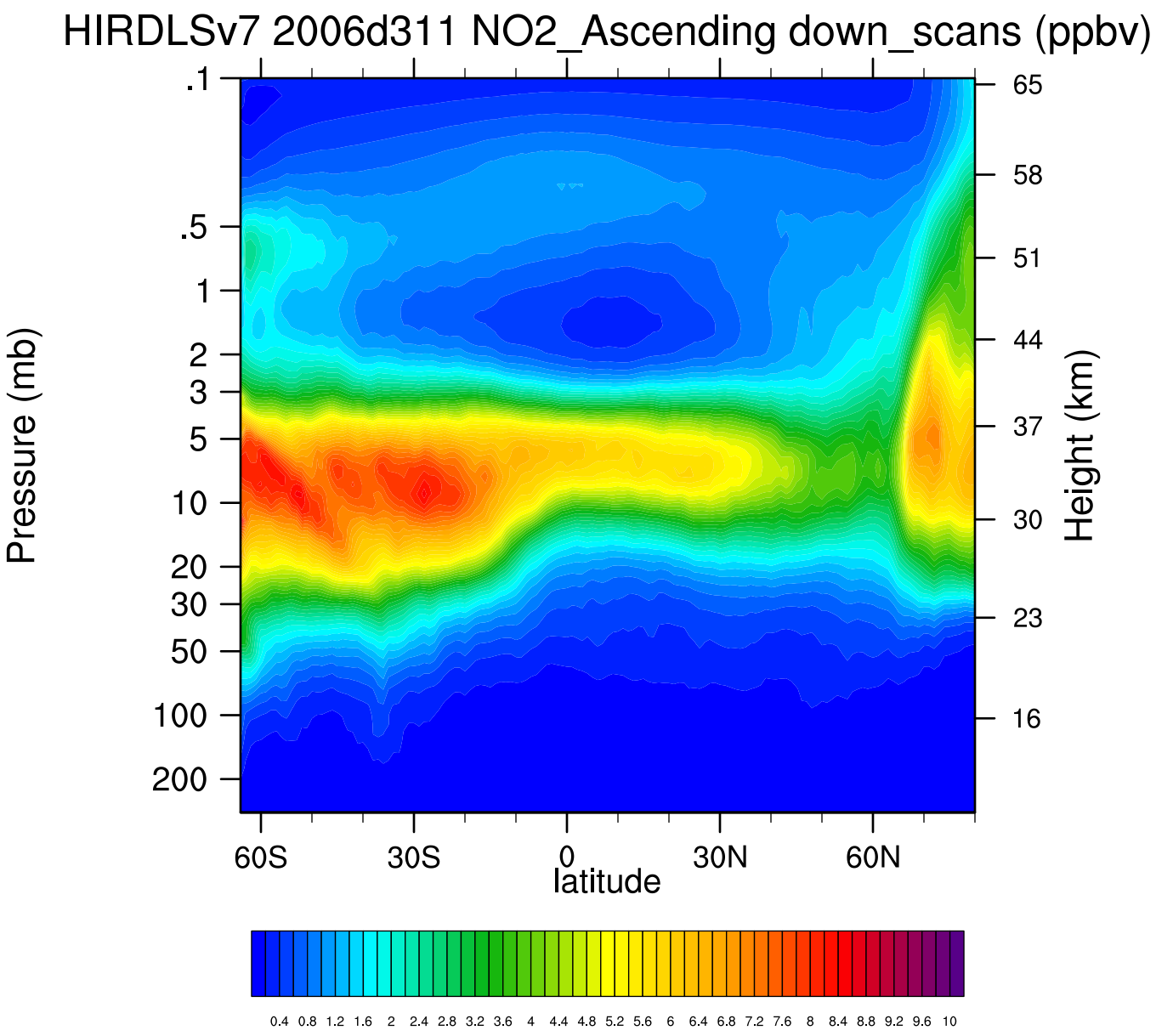

HIRDLSv7 2006d306 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

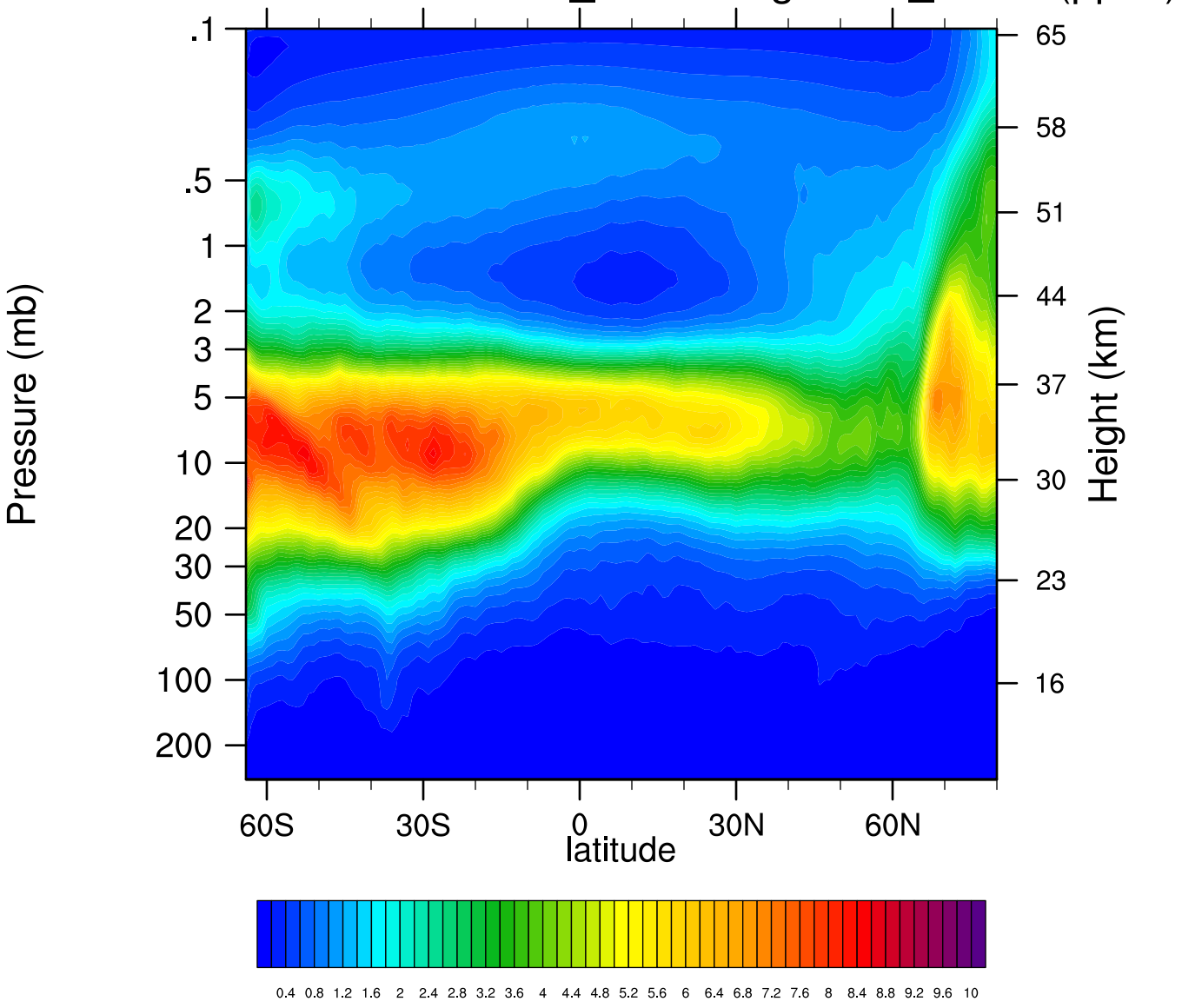

HIRDLSv7 2006d307 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

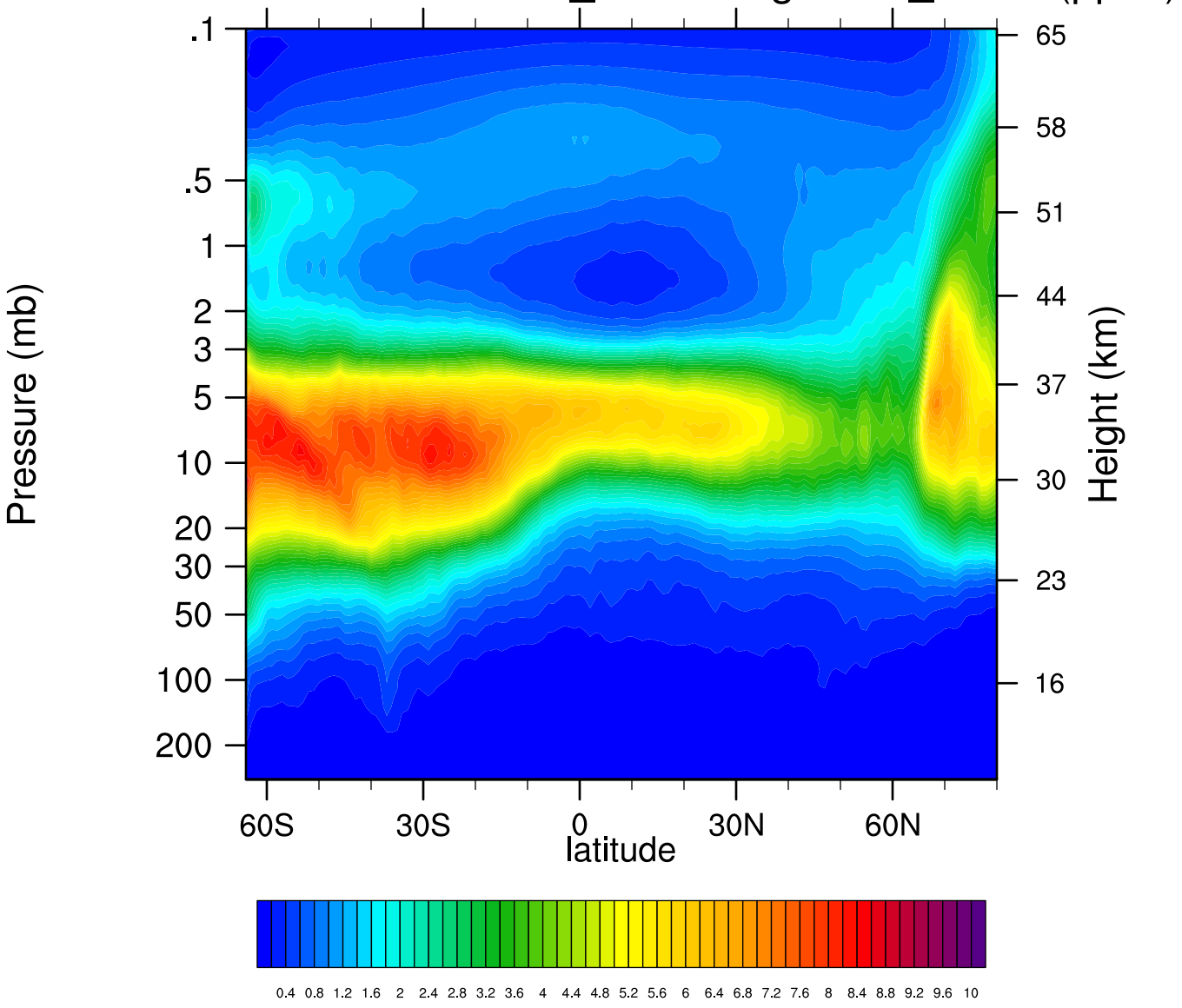

HIRDLSv7 2006d308 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

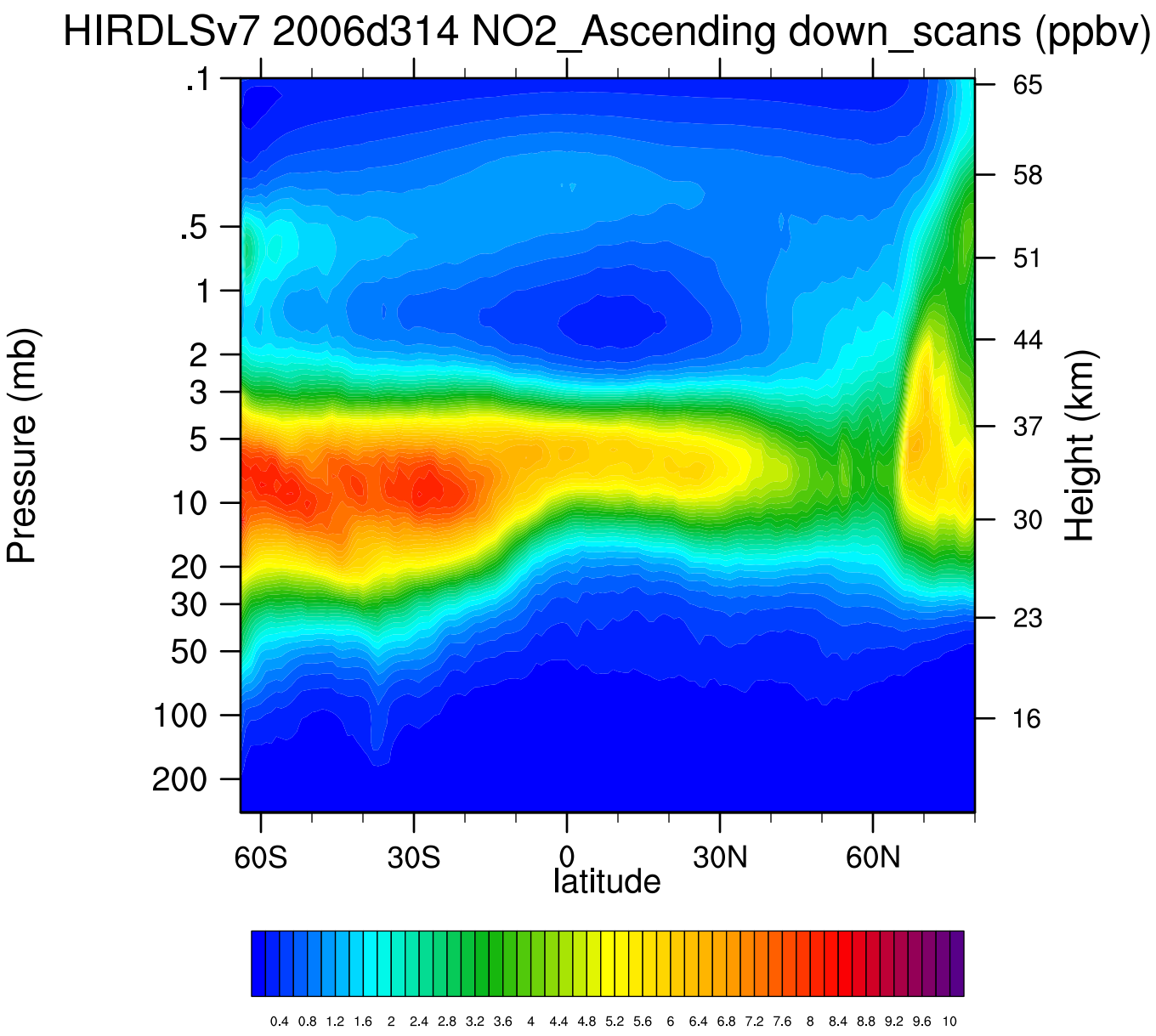

HIRDLSv7 2006d309 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

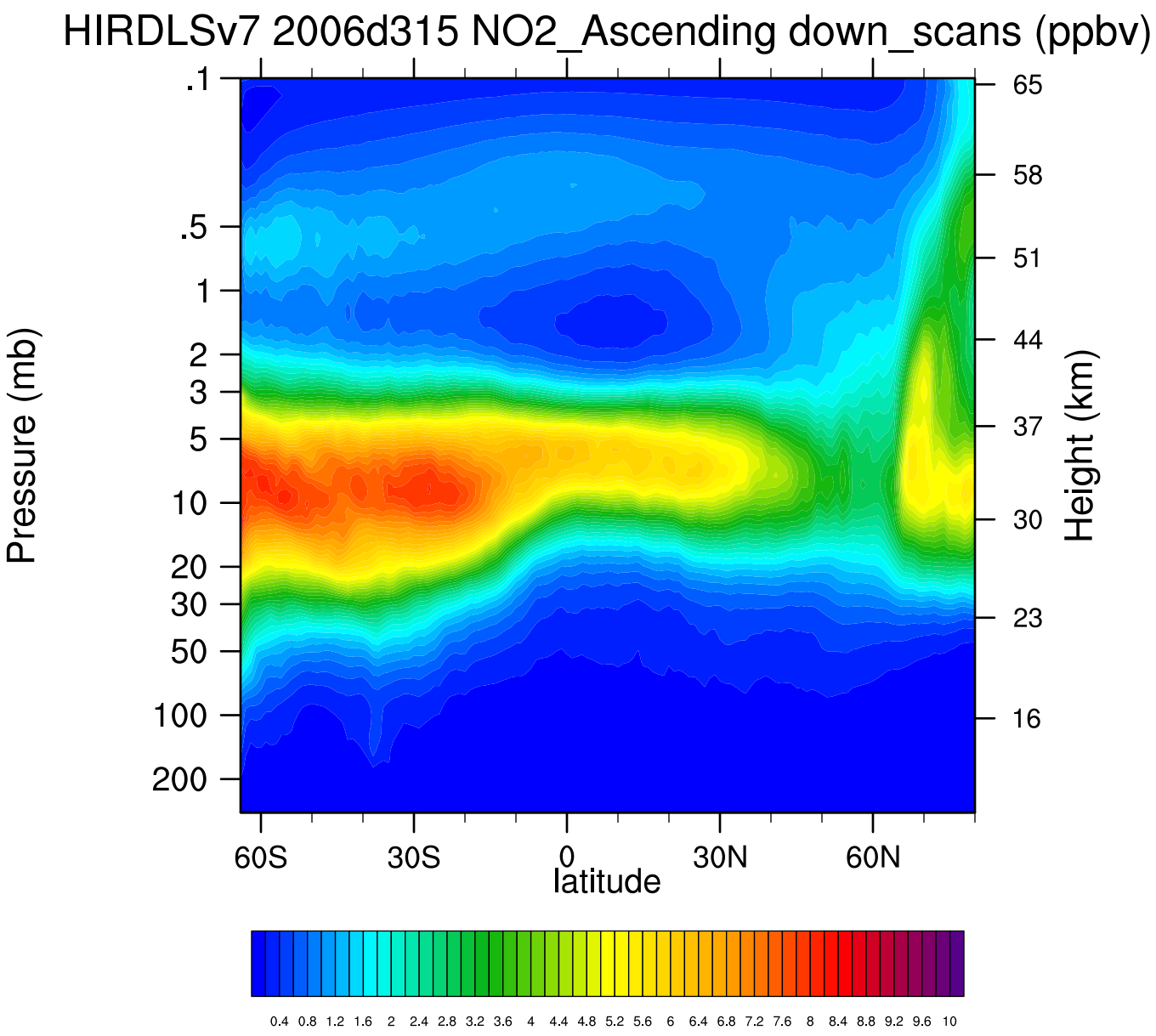

HIRDLSv7 2006d310 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

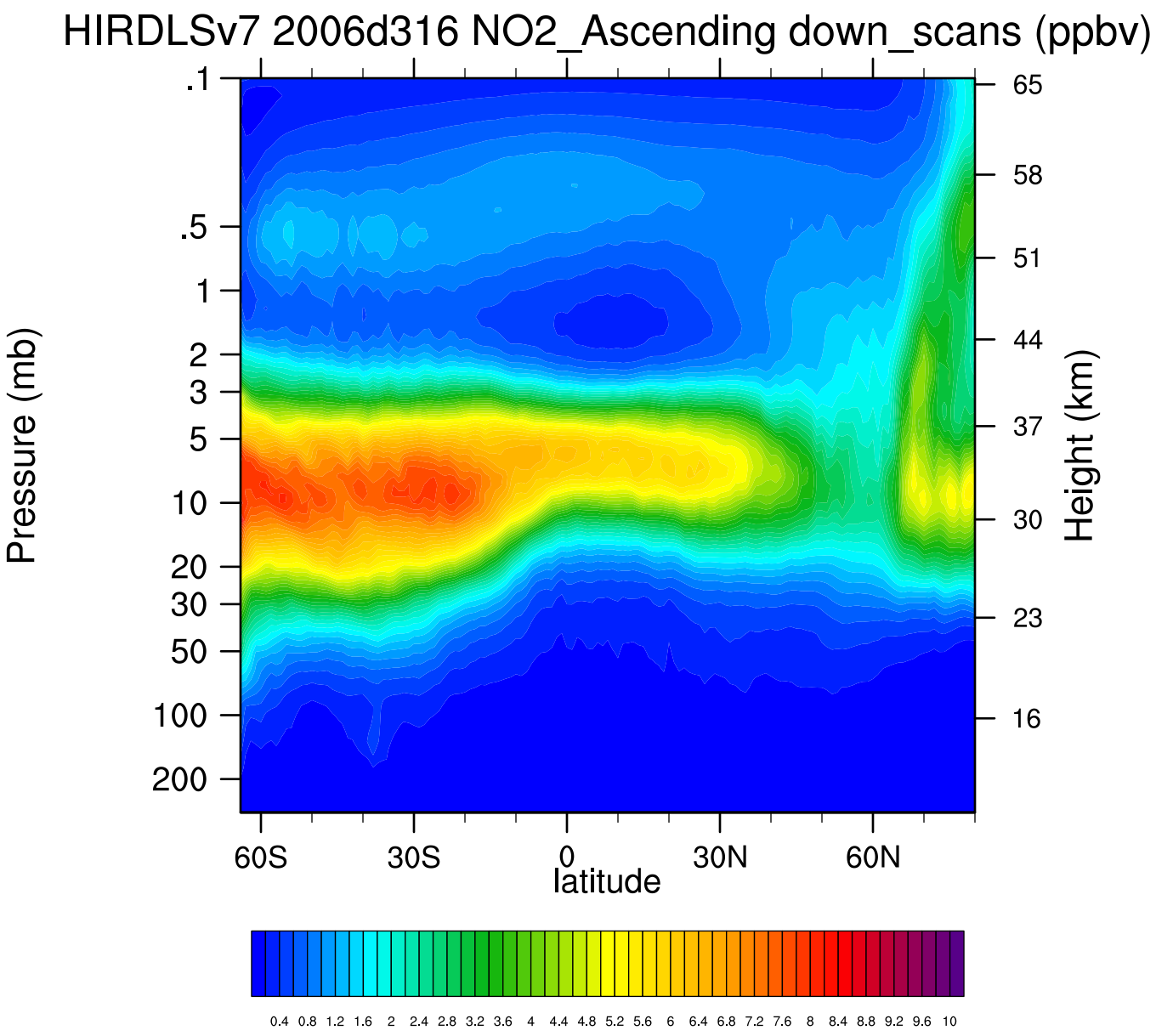

HIRDLSv7 2006d311 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

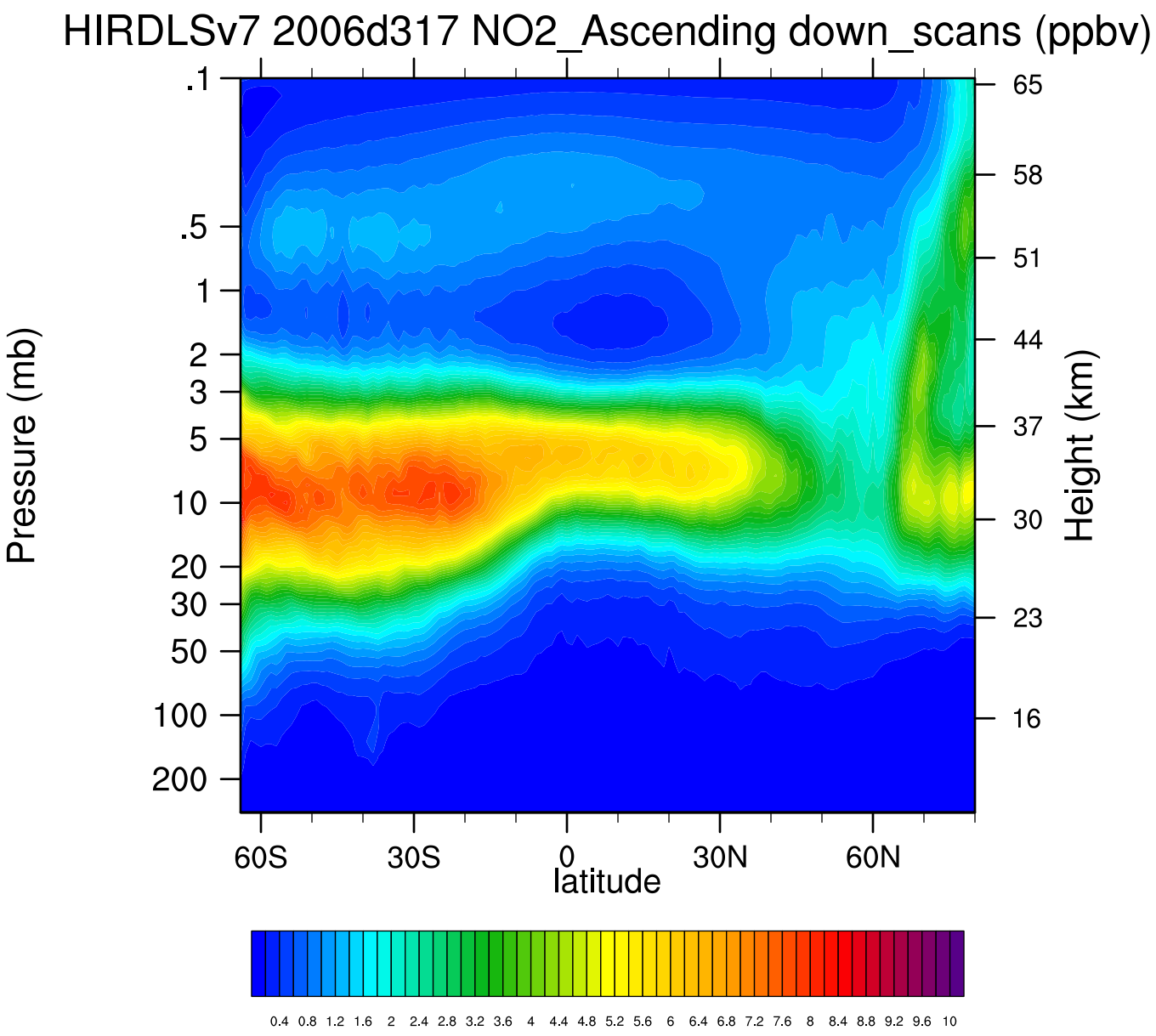

HIRDLSv7 2006d312 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

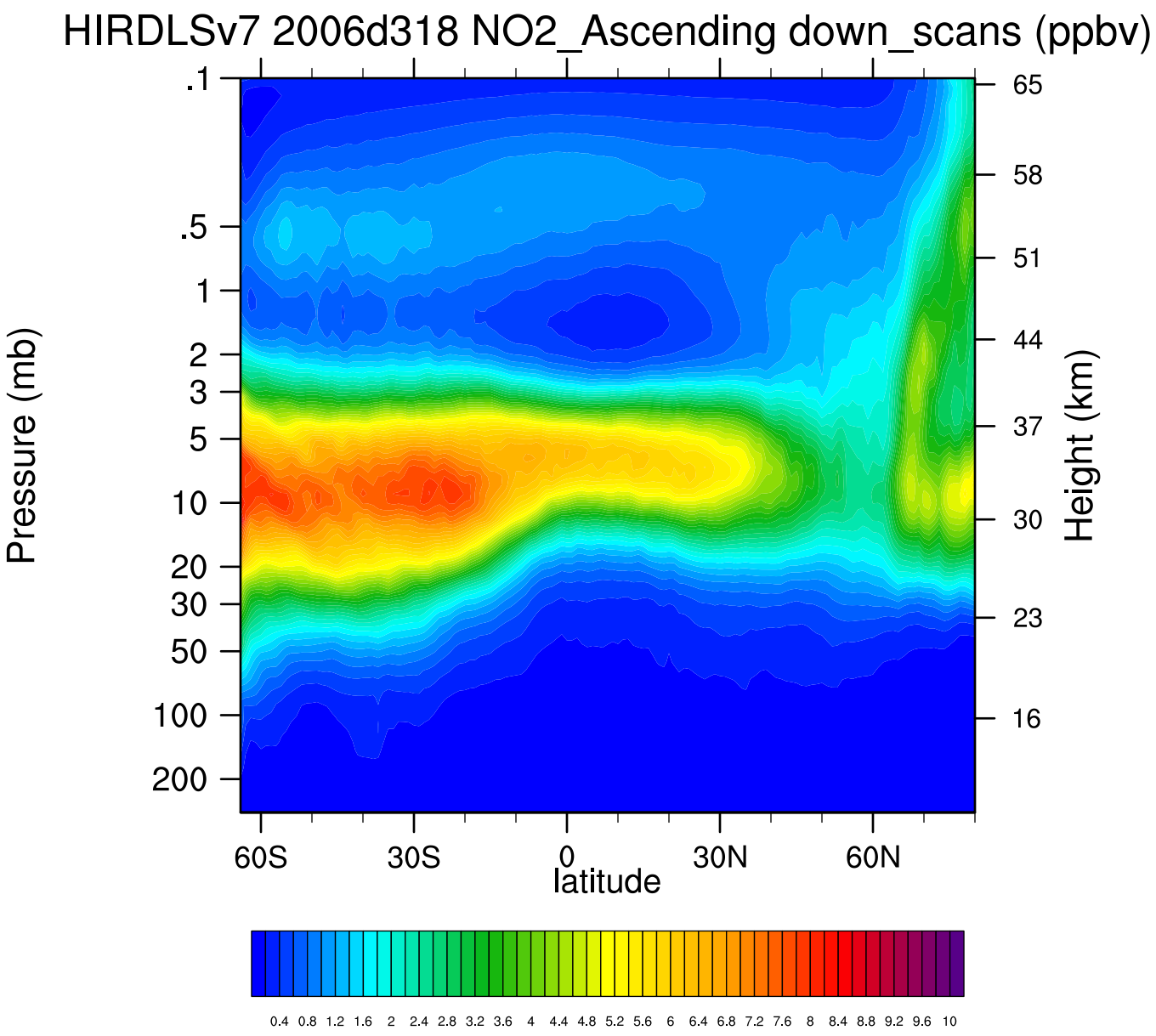

HIRDLSv7 2006d313 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

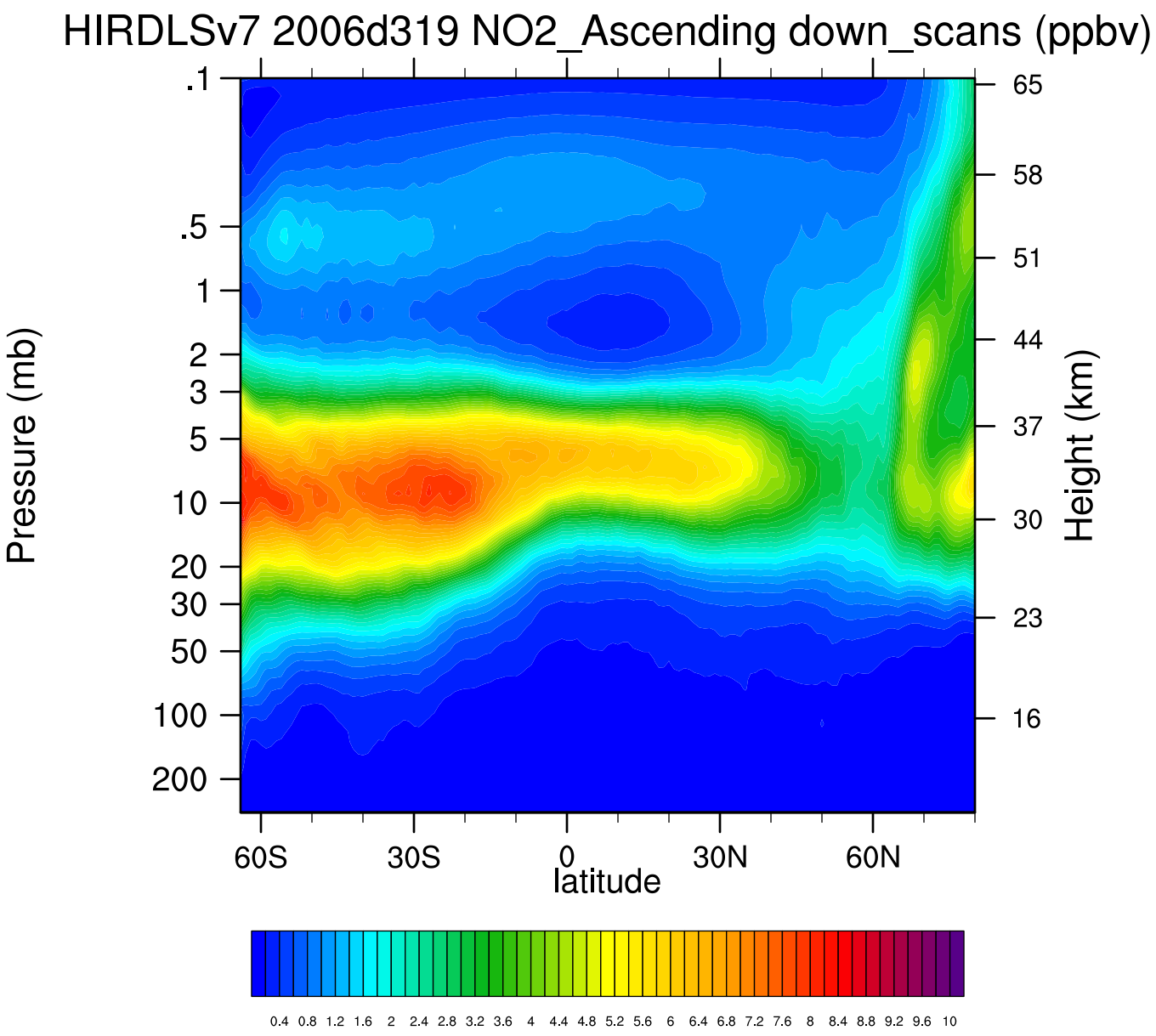

HIRDLSv7 2006d314 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

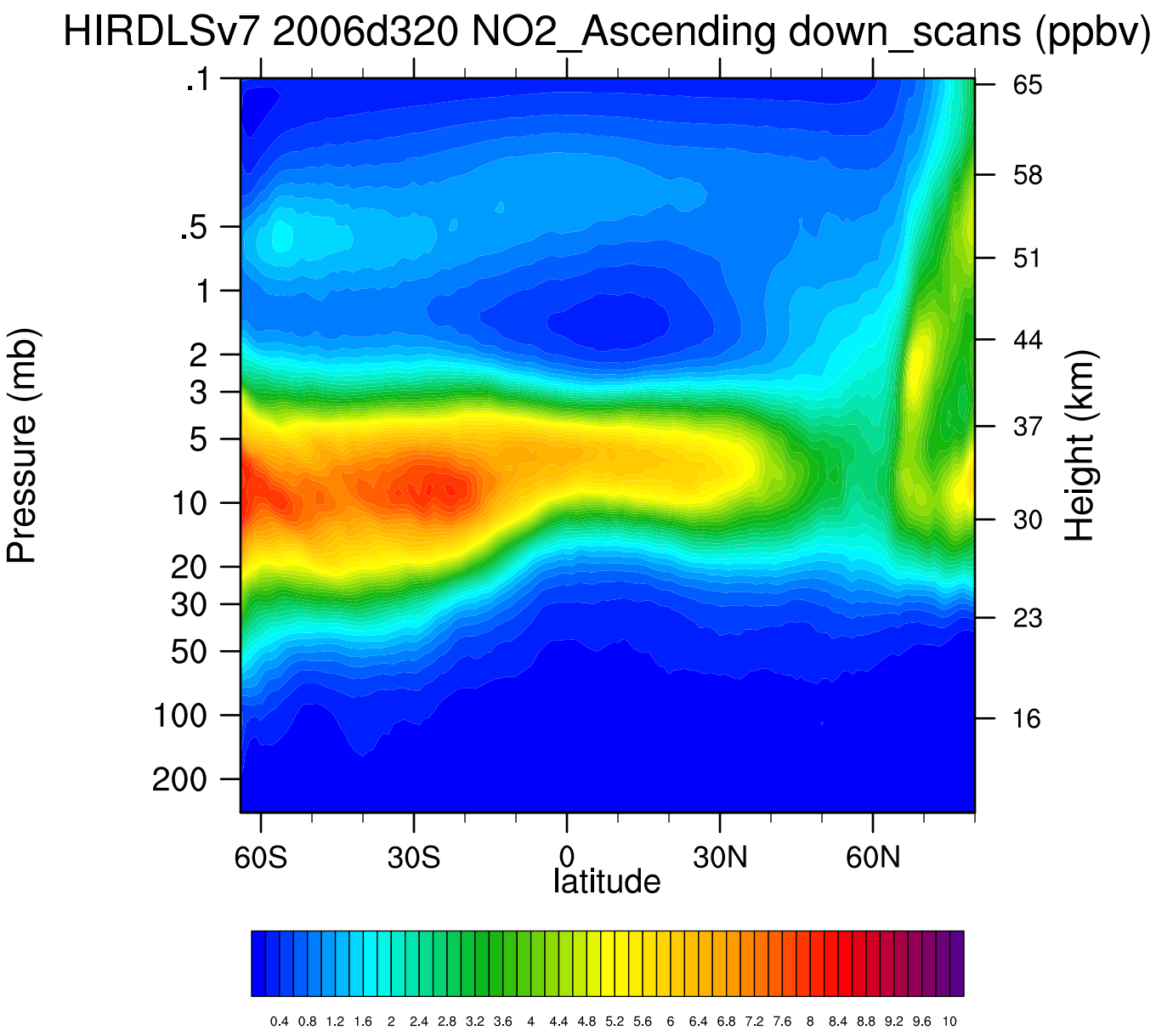

HIRDLSv7 2006d315 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

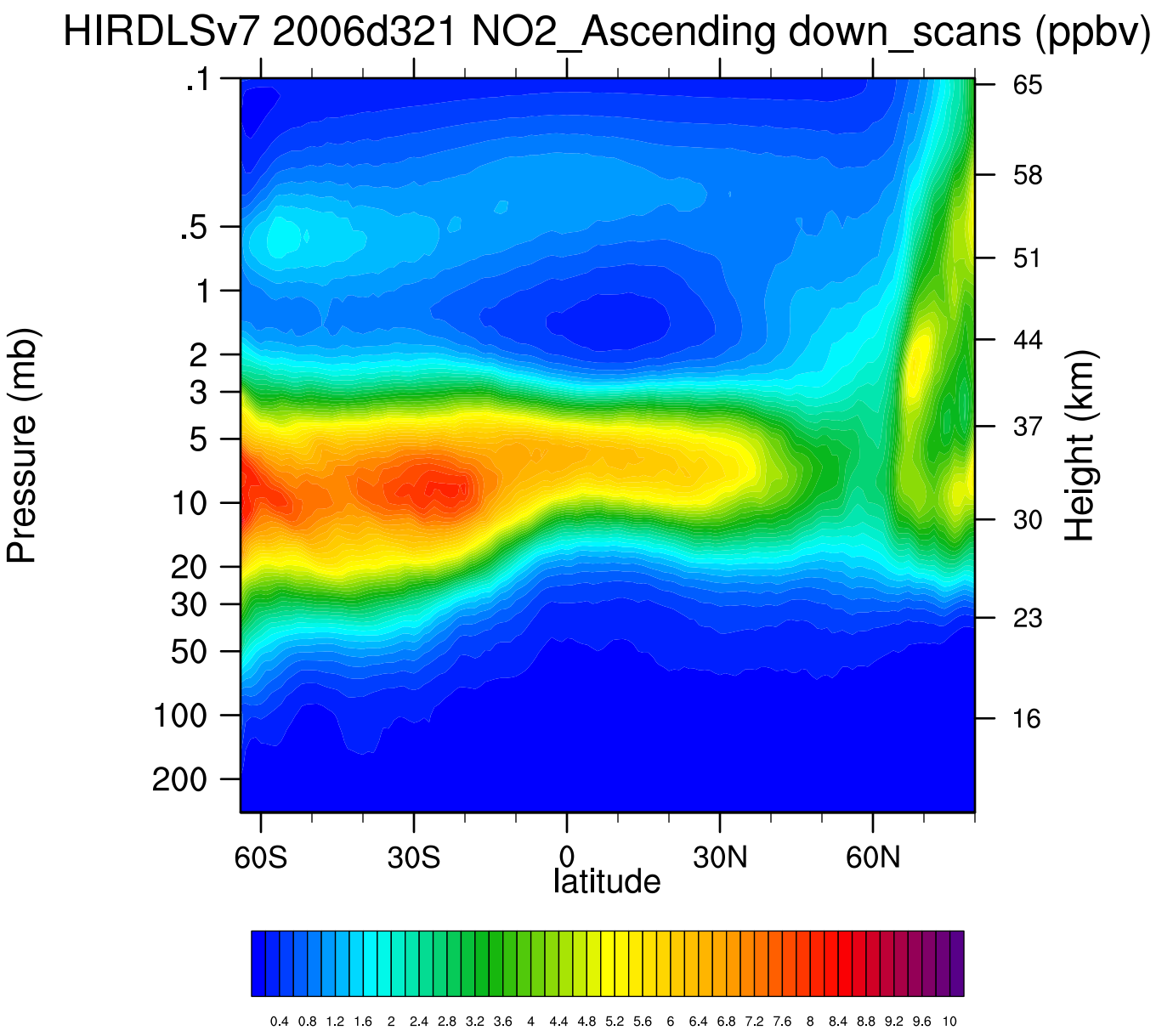

HIRDLSv7 2006d316 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

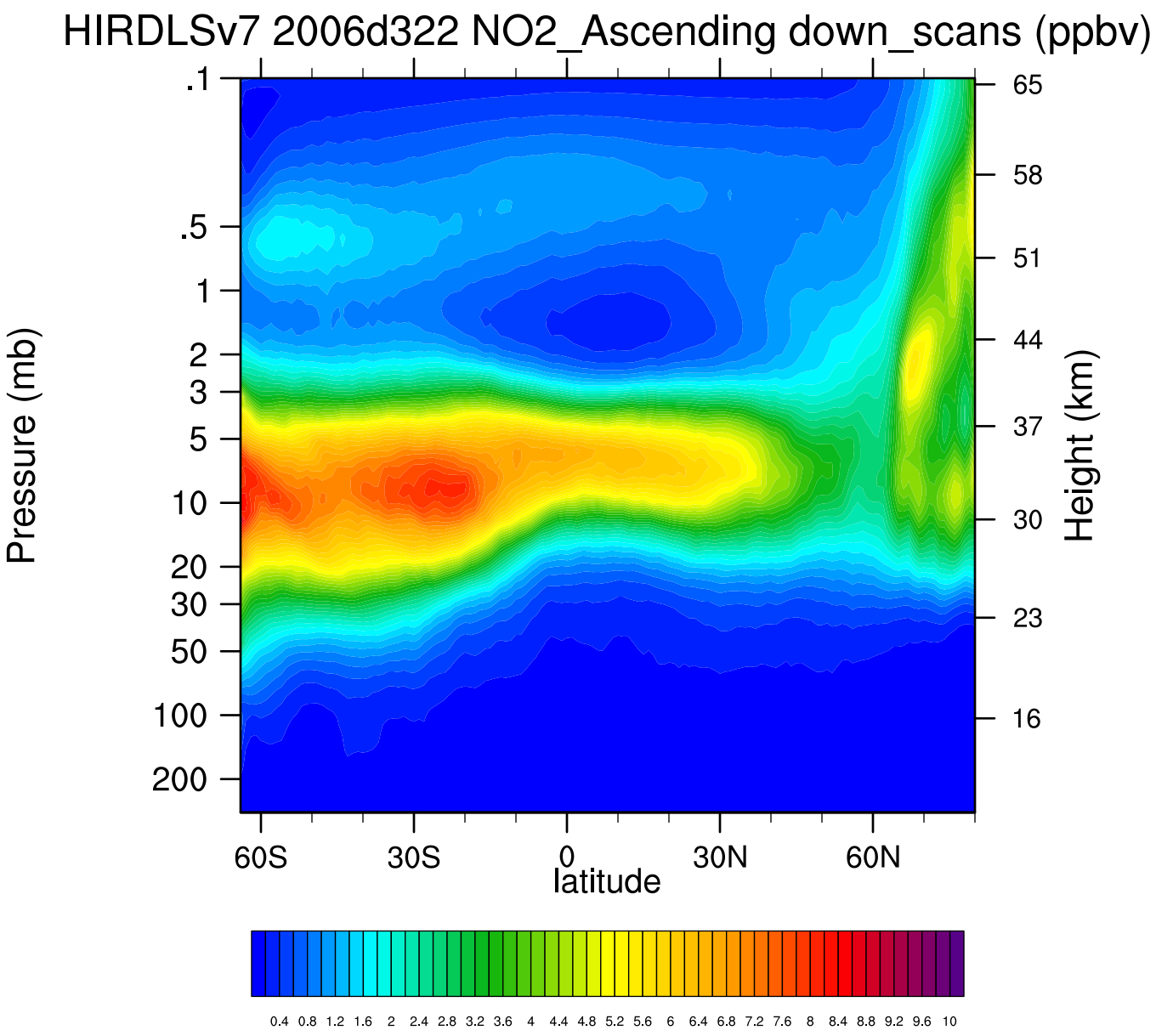

HIRDLSv7 2006d317 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

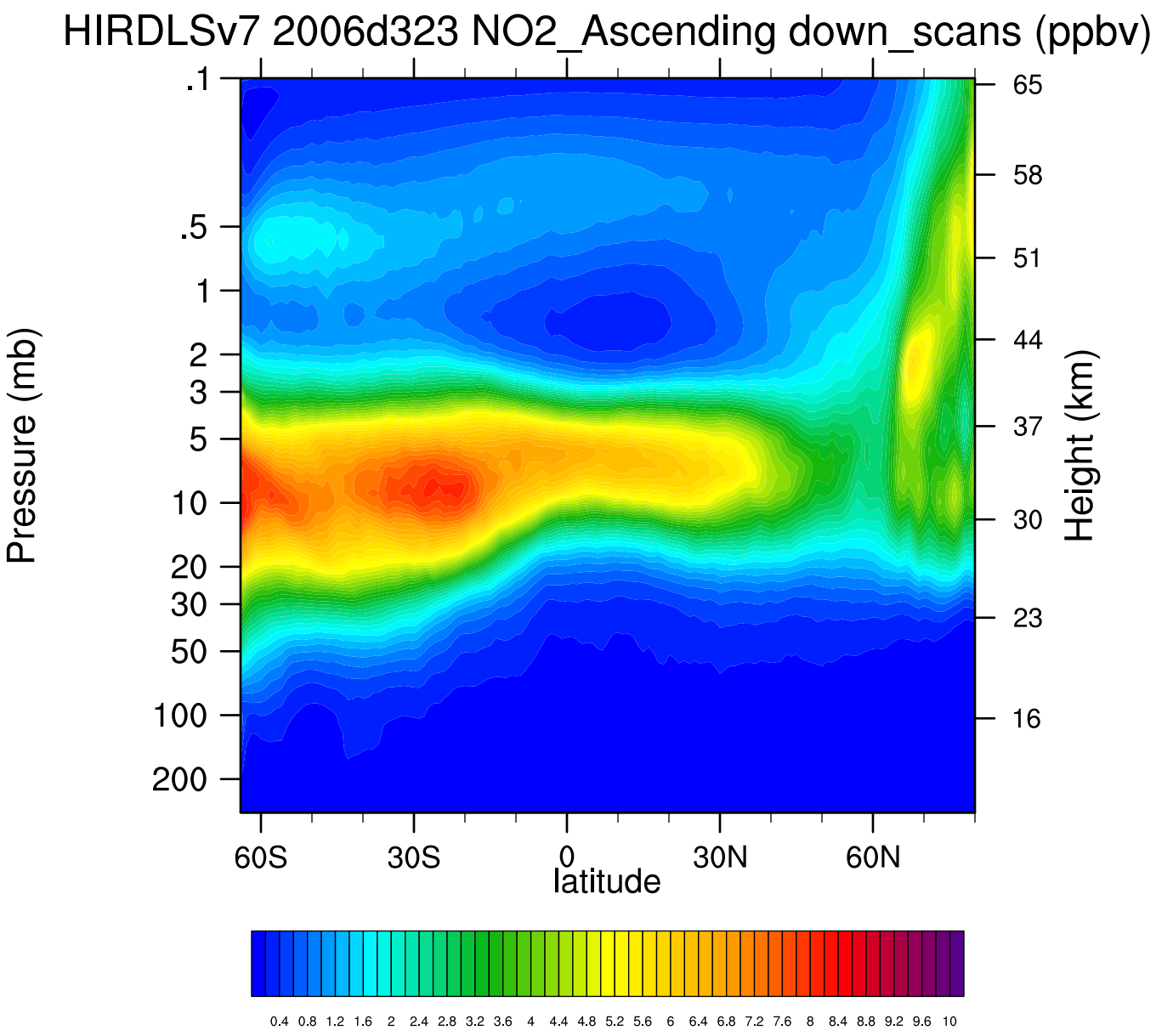

HIRDLSv7 2006d318 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

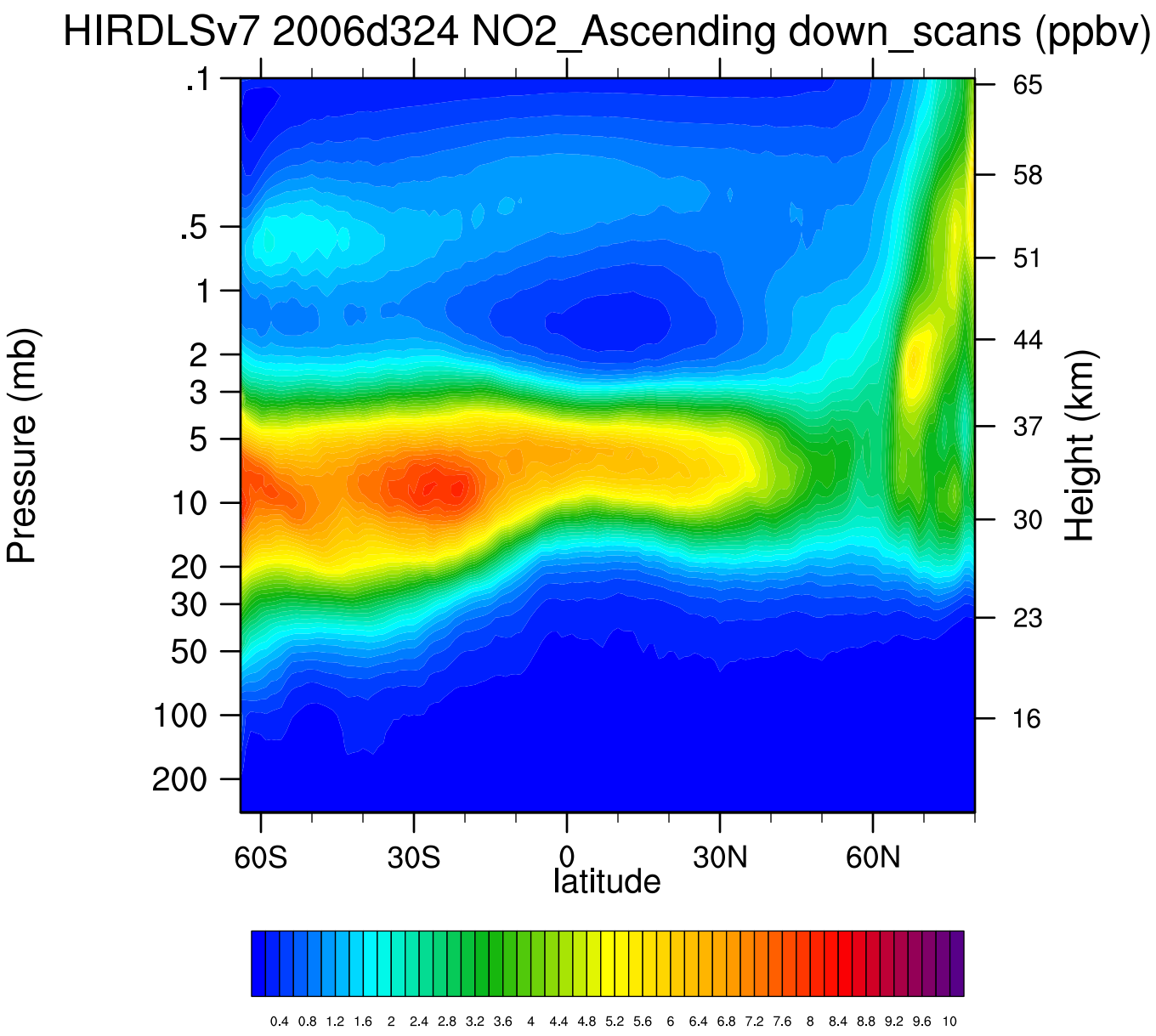

HIRDLSv7 2006d319 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

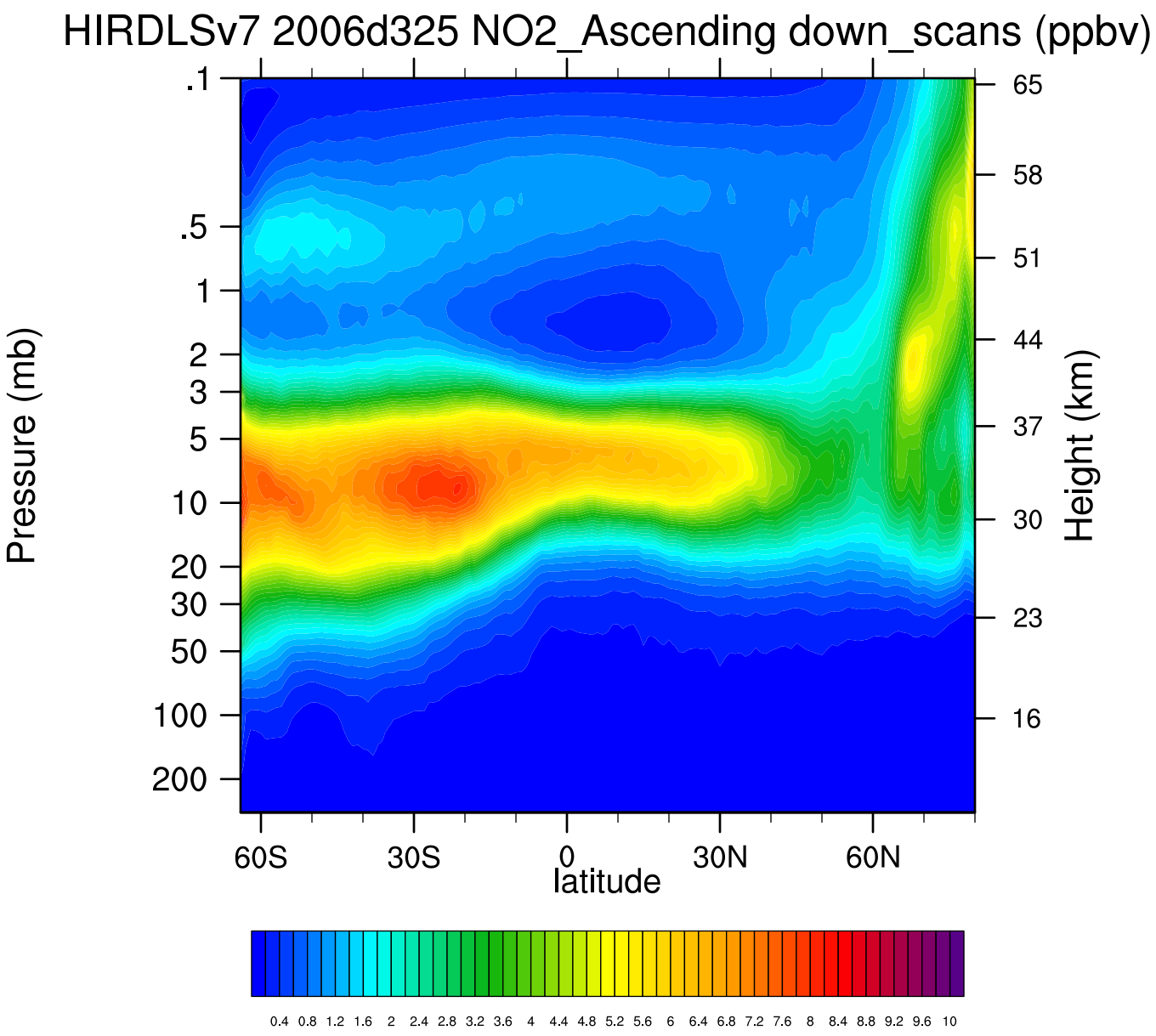

HIRDLSv7 2006d320 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

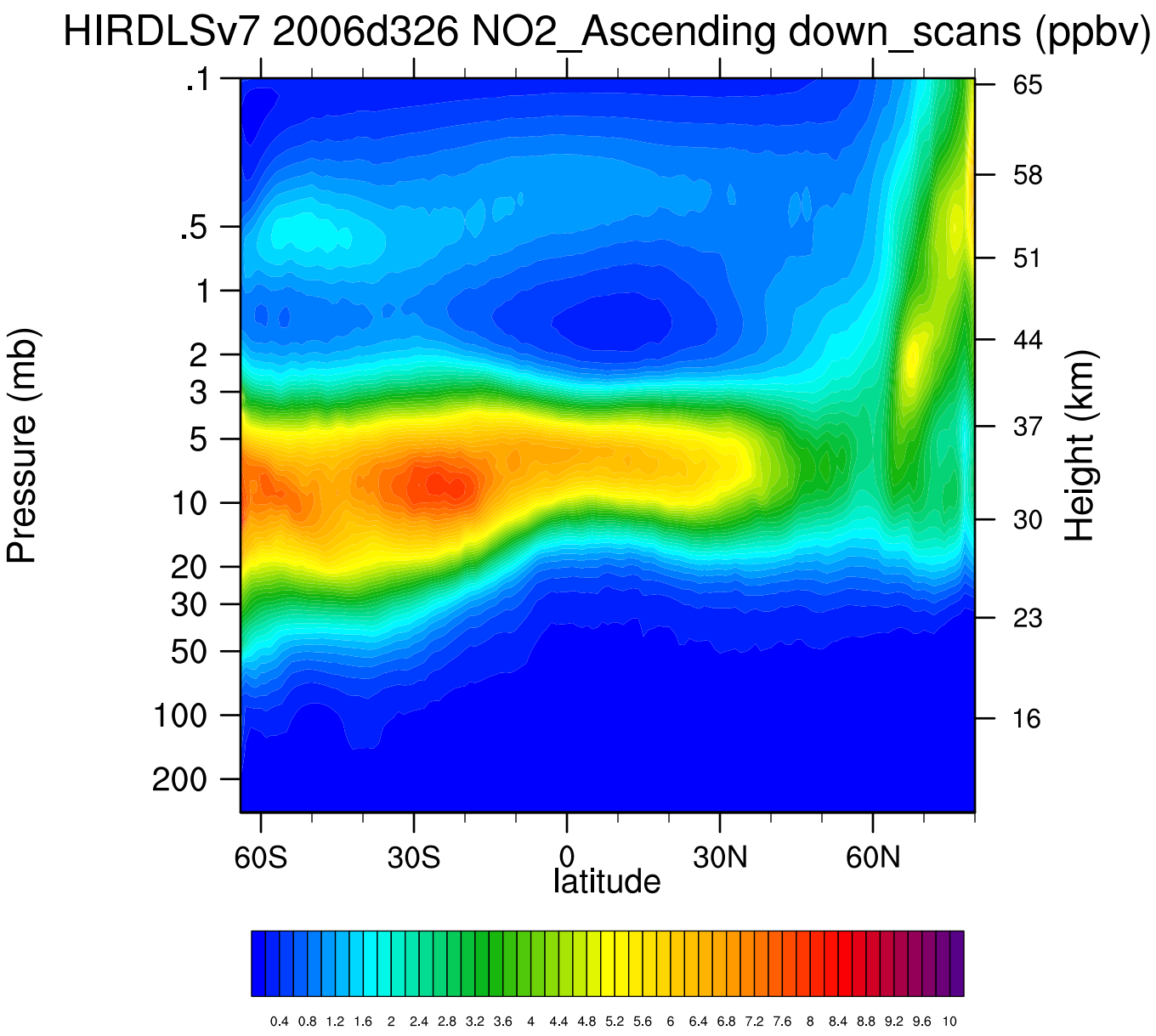

HIRDLSv7 2006d321 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

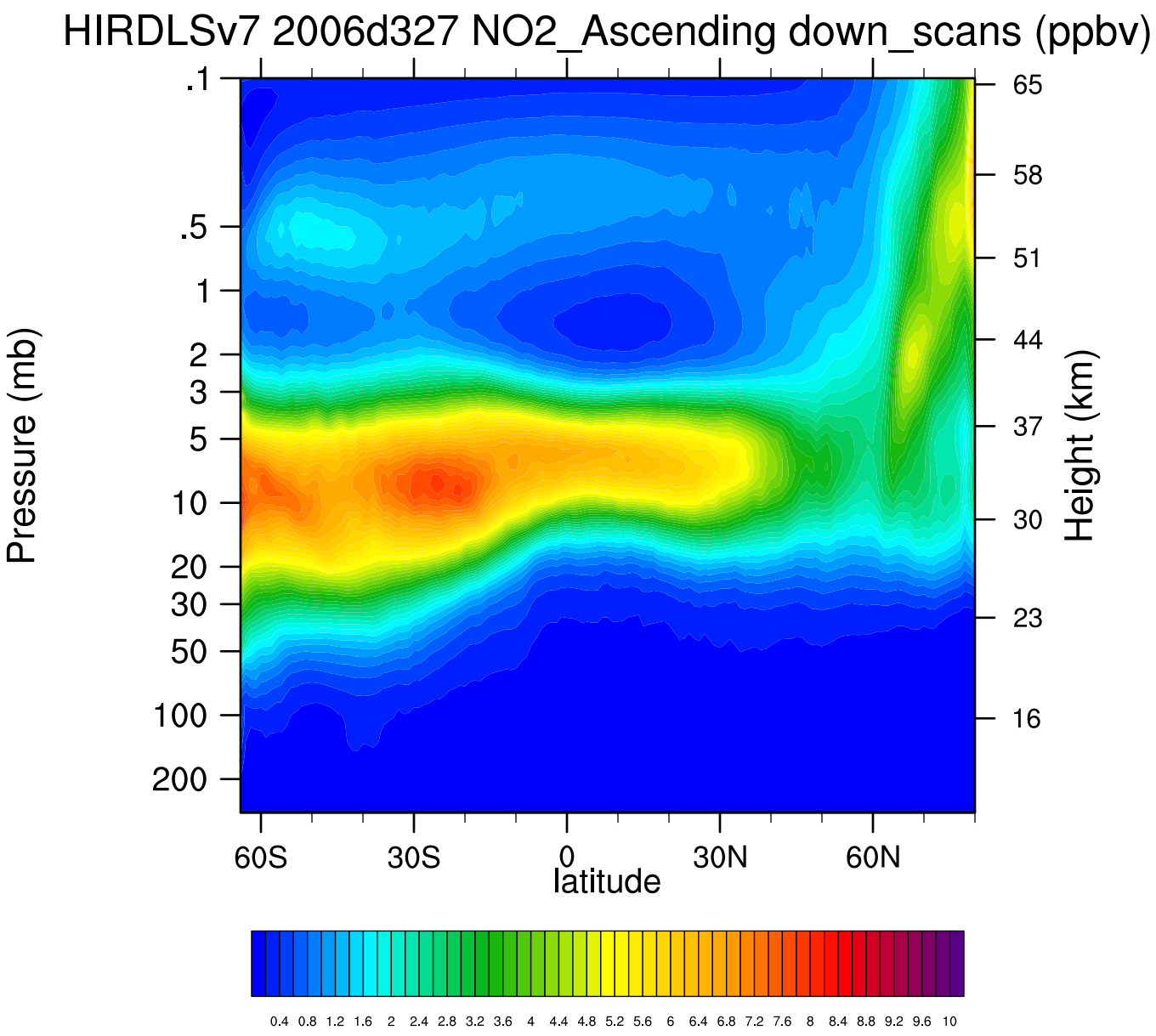

HIRDLSv7 2006d322 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

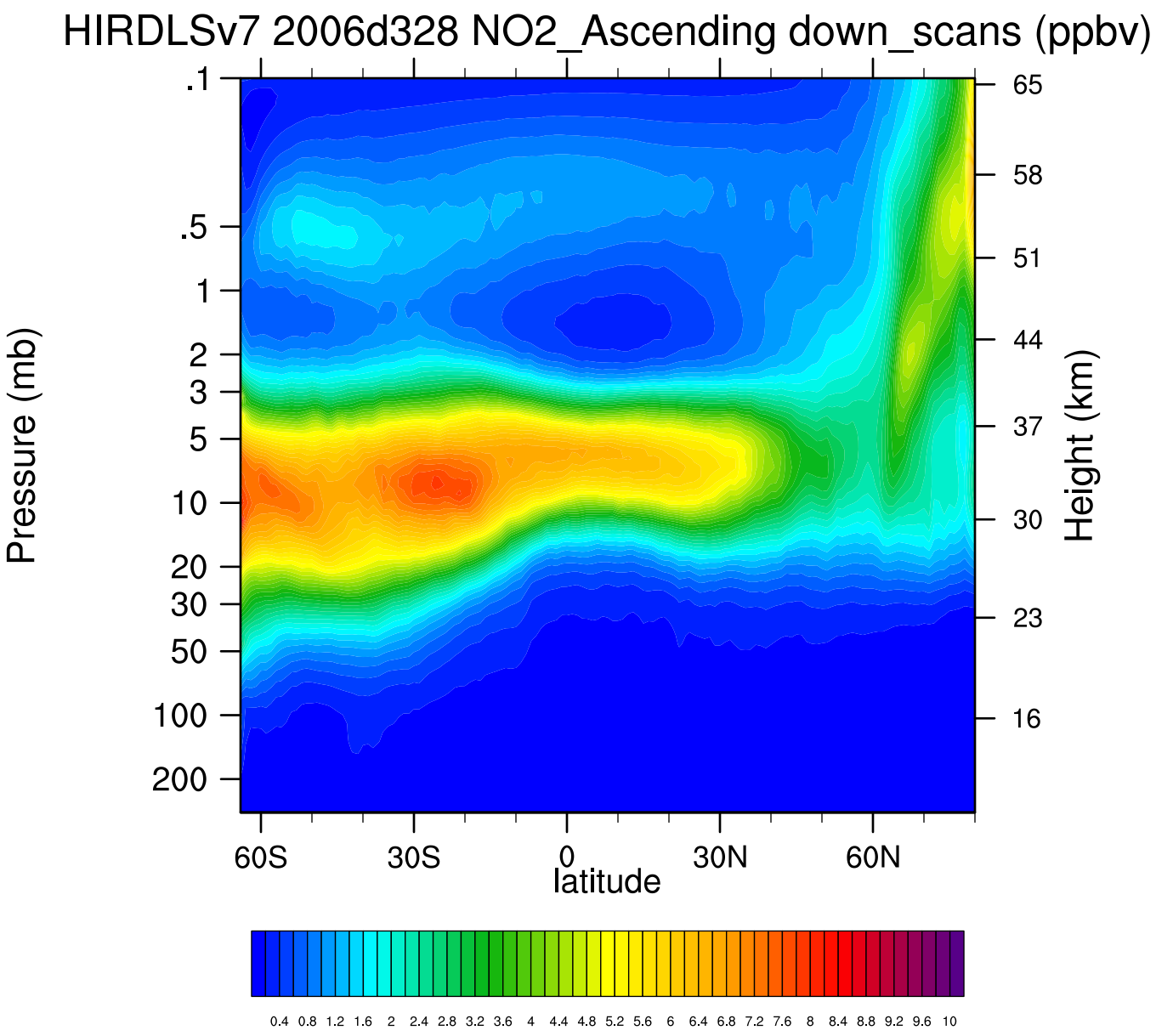

HIRDLSv7 2006d323 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

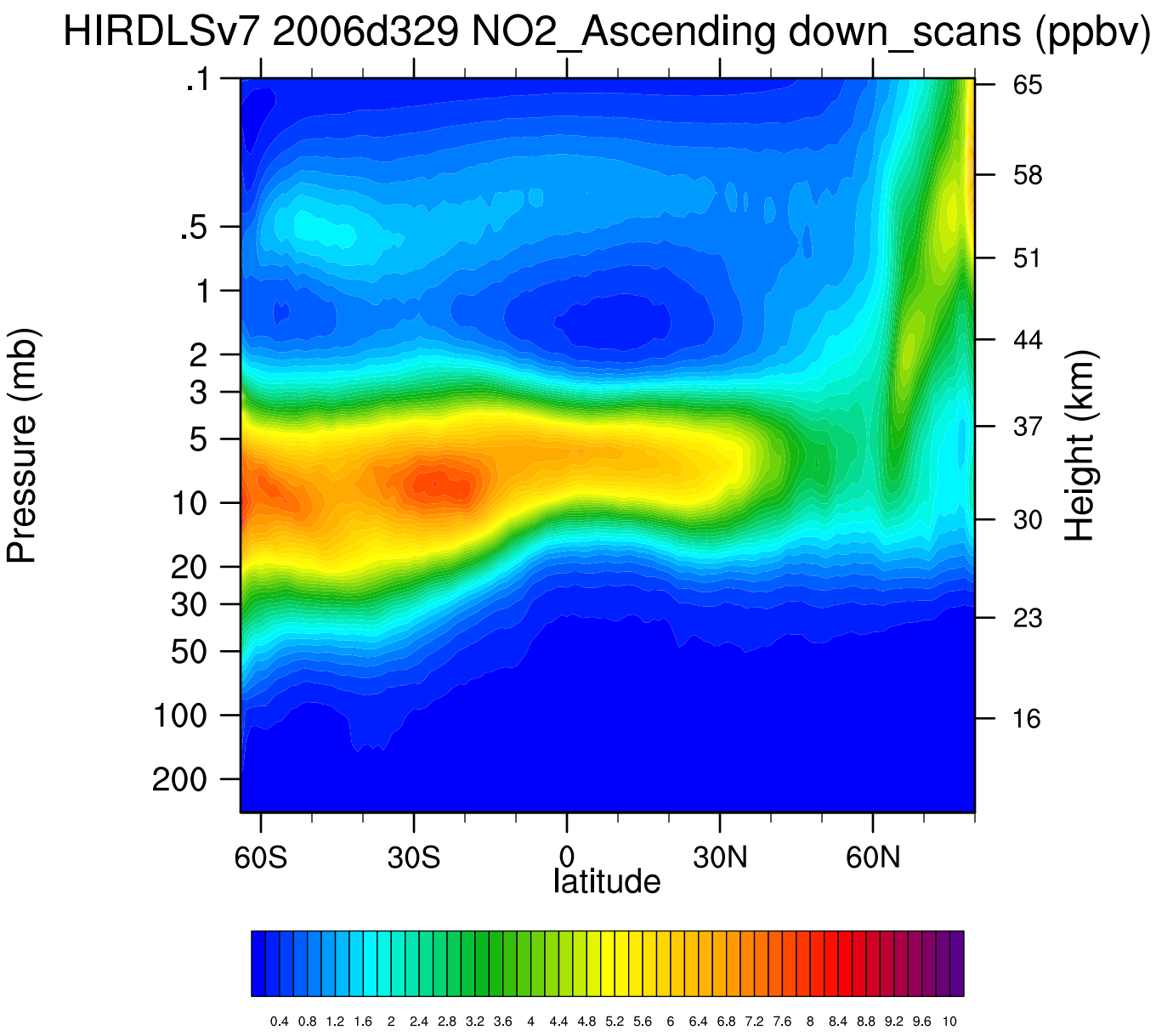

HIRDLSv7 2006d324 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

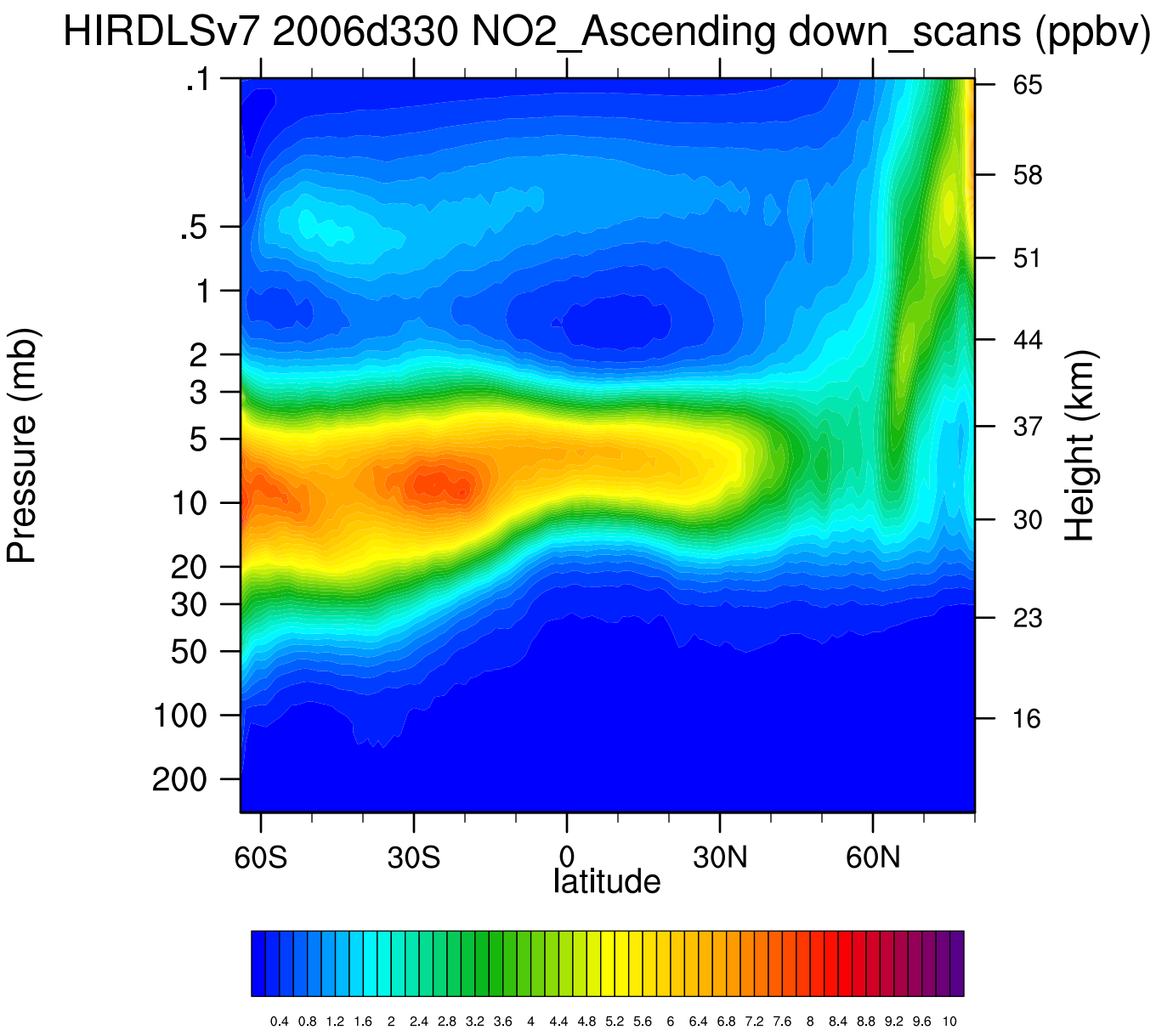

HIRDLSv7 2006d325 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

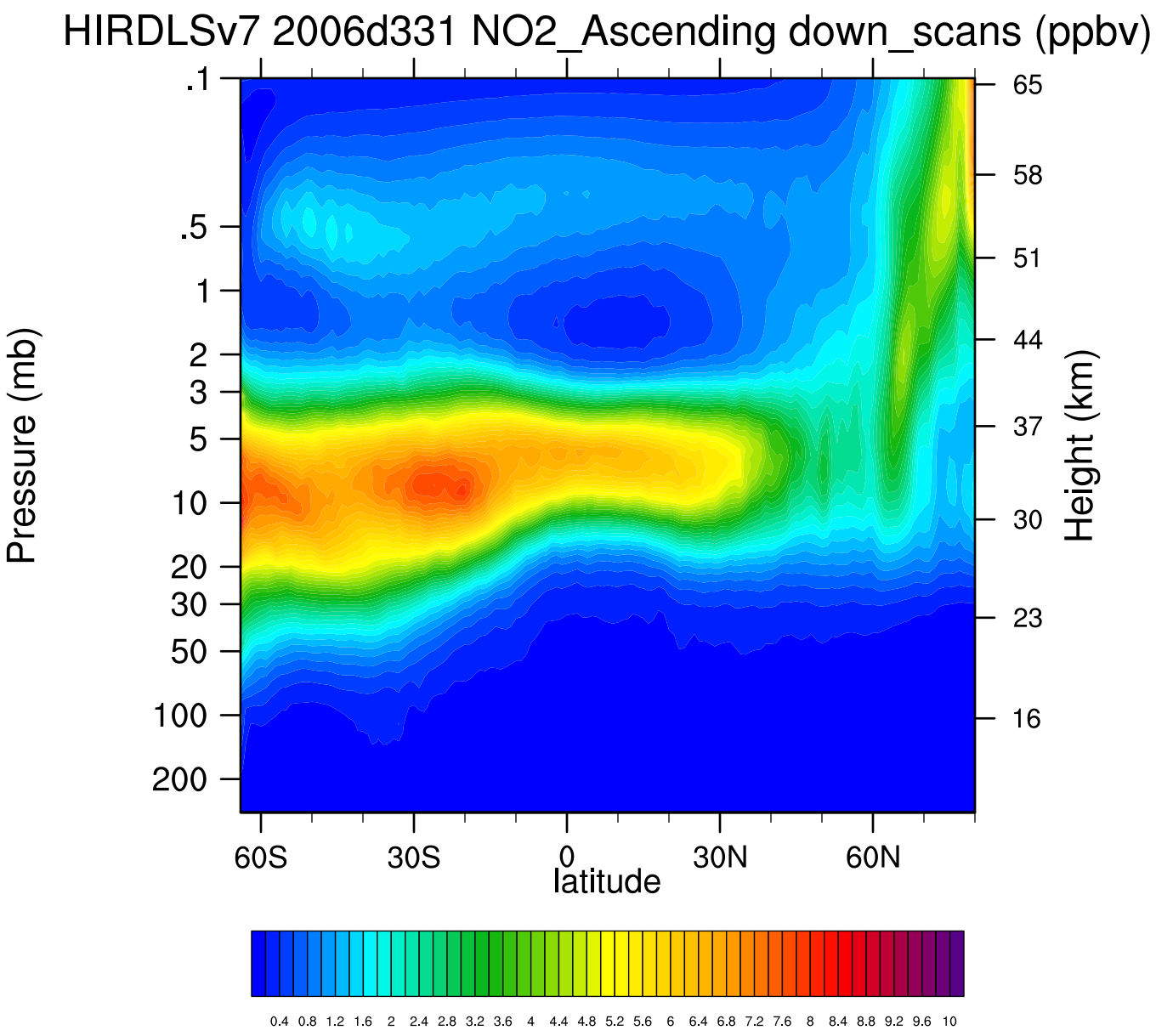

HIRDLSv7 2006d326 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

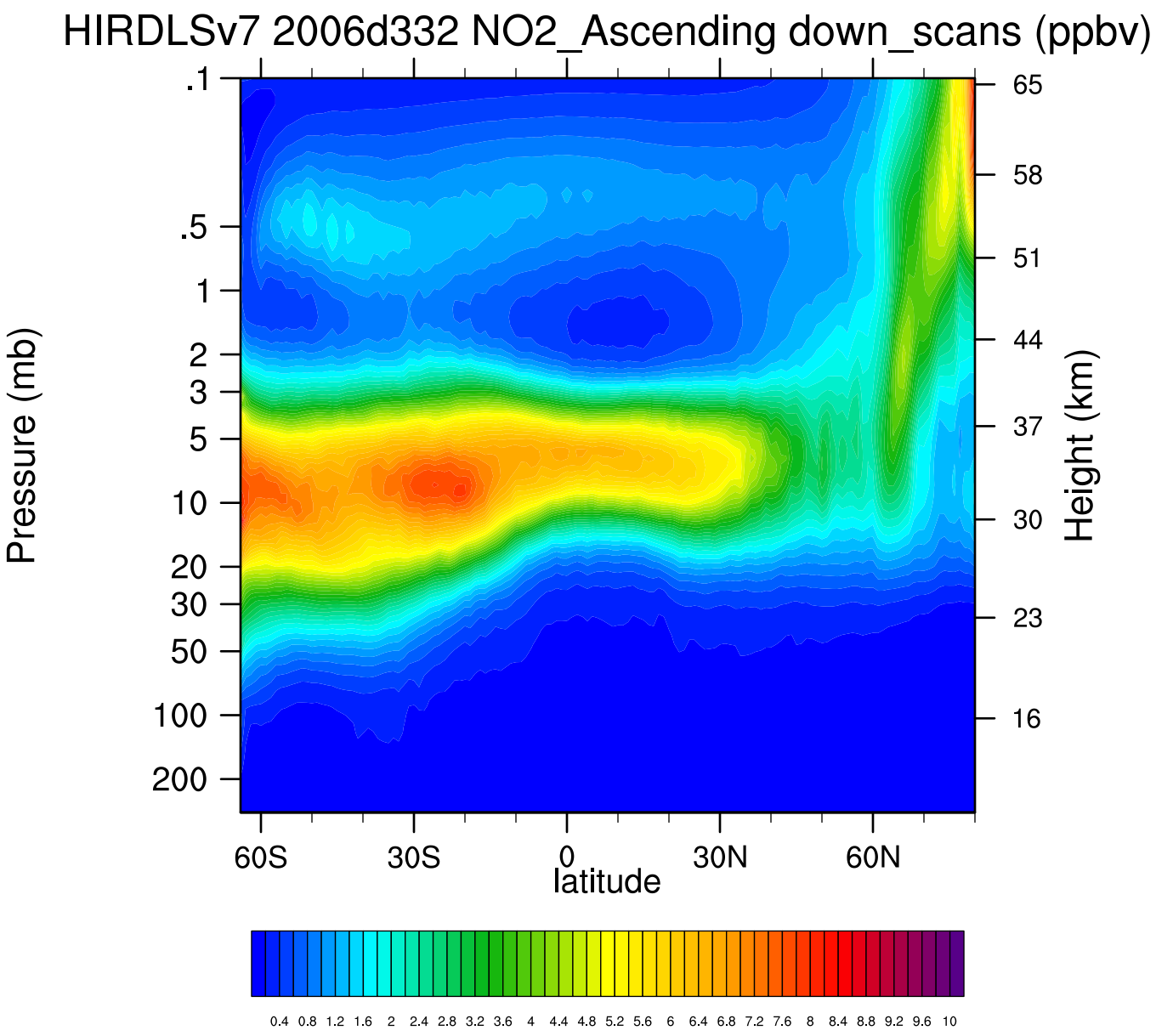

HIRDLSv7 2006d327 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

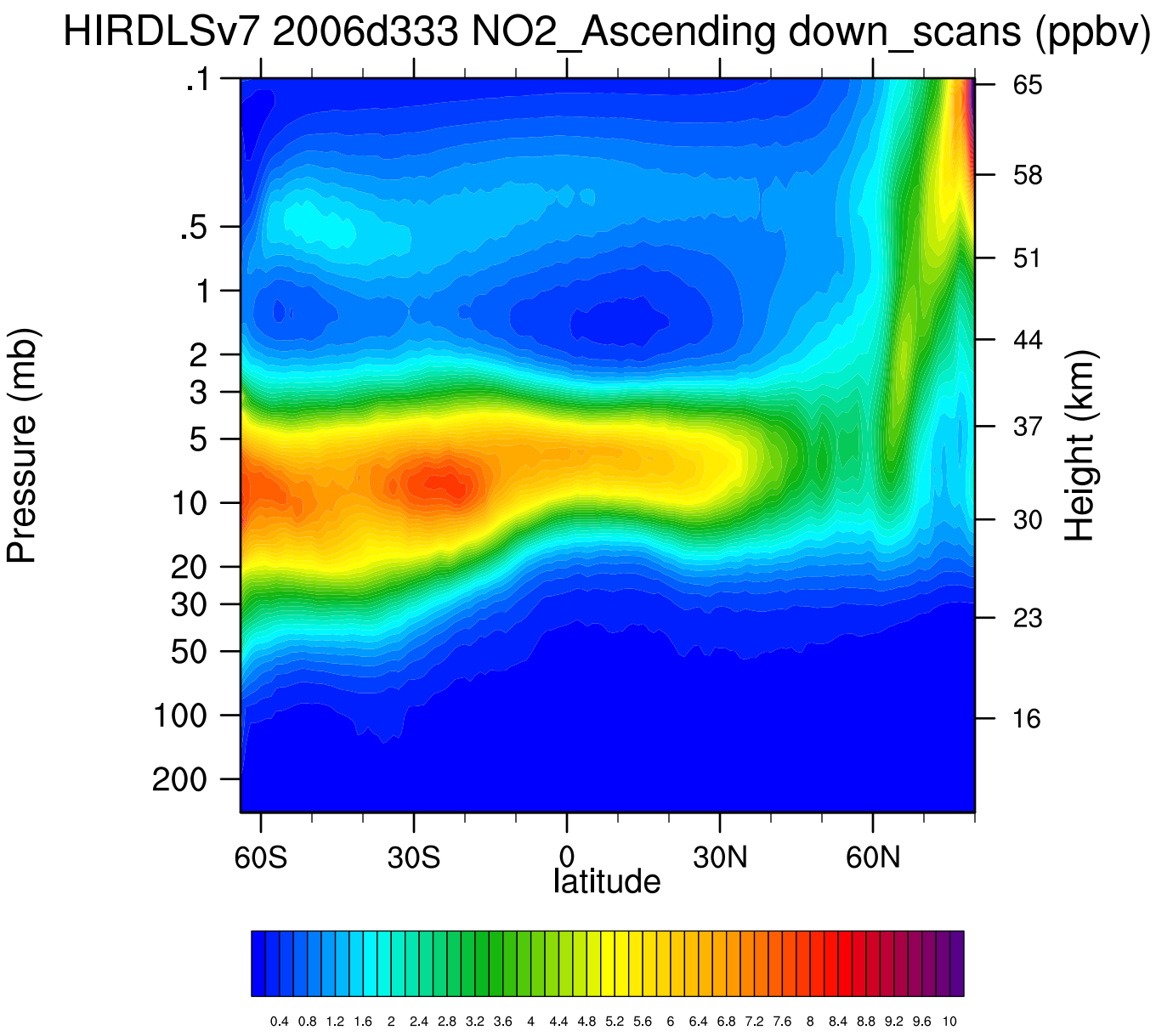

HIRDLSv7 2006d328 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

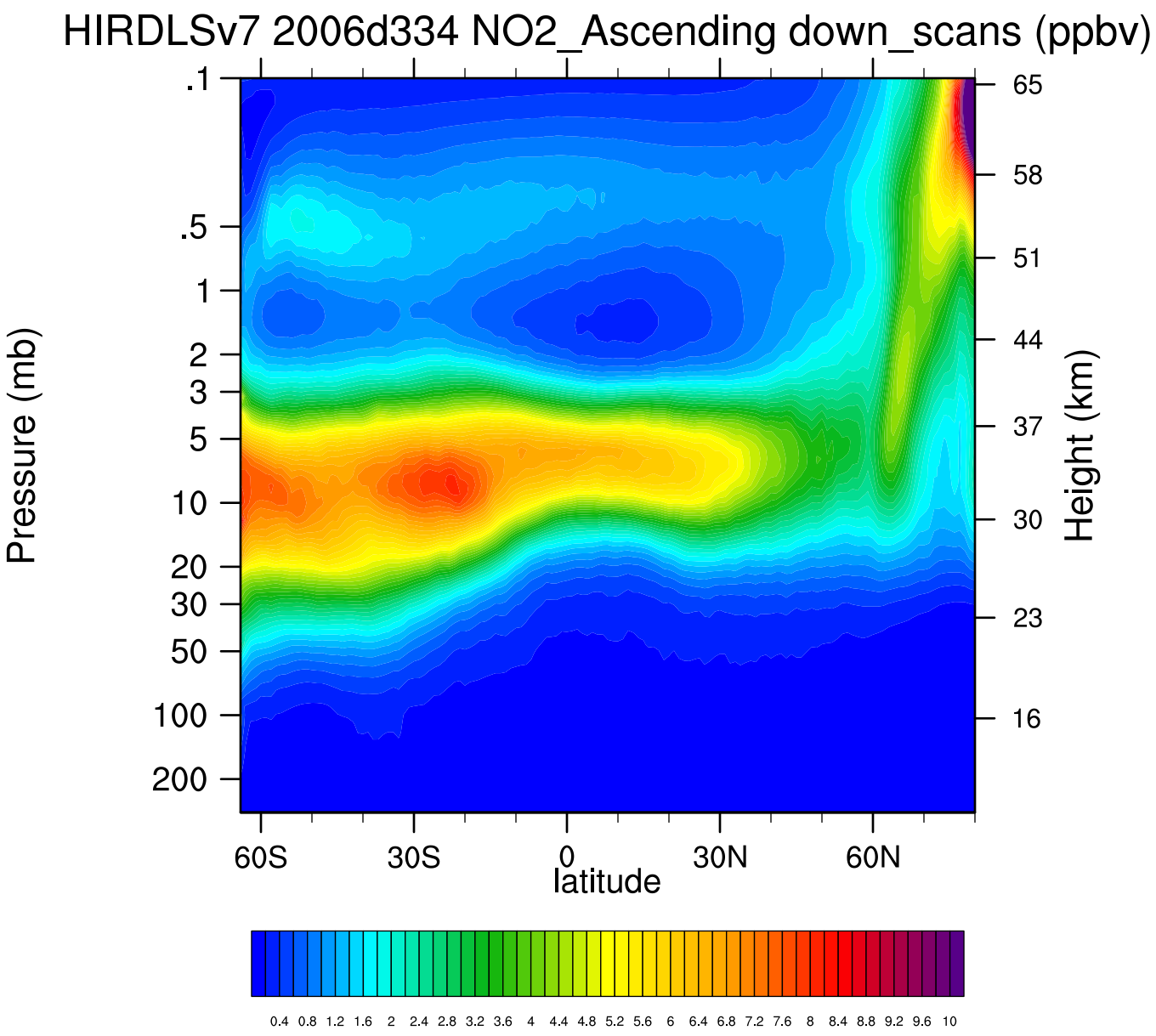

HIRDLSv7 2006d329 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

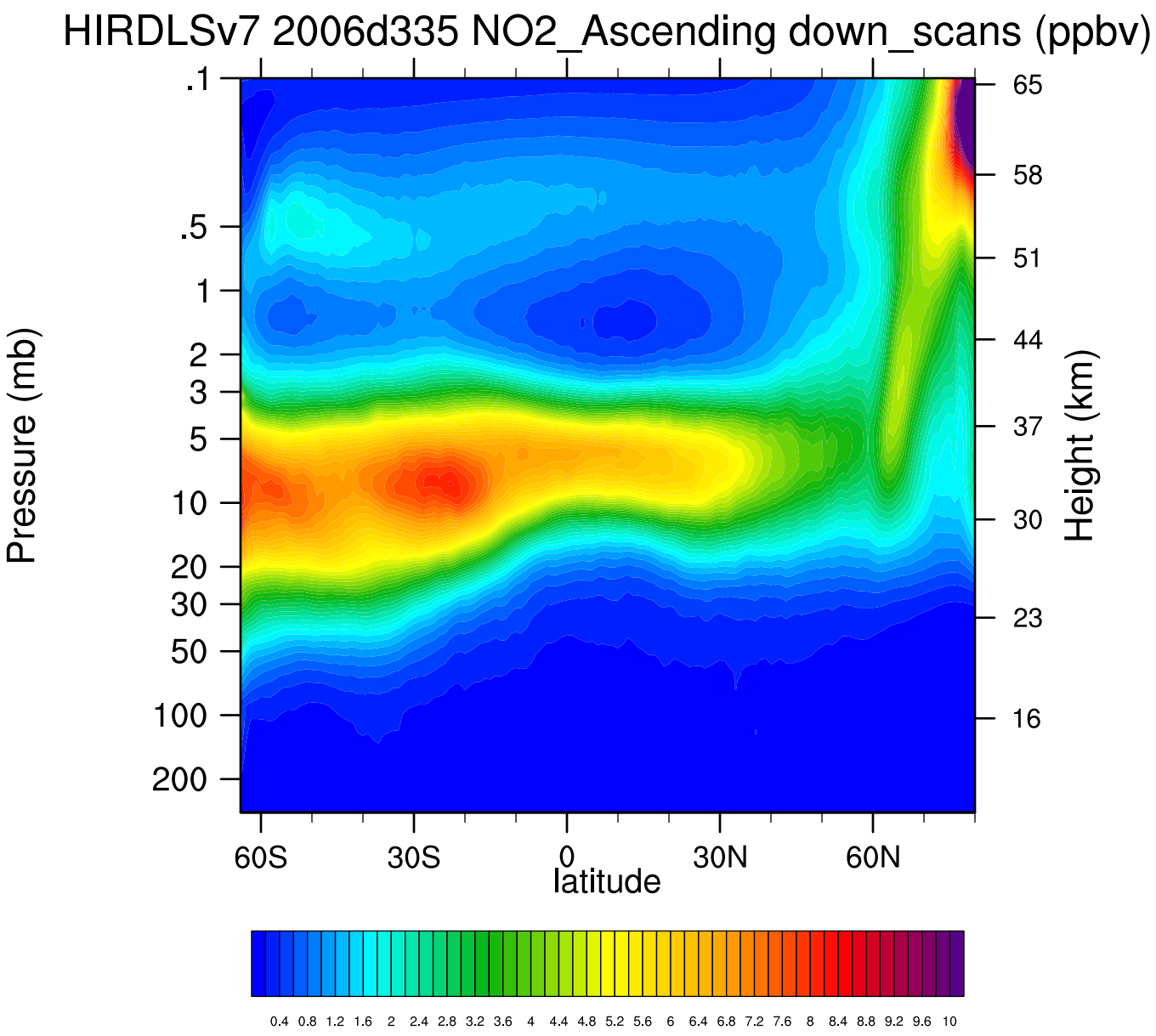

HIRDLSv7 2006d330 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

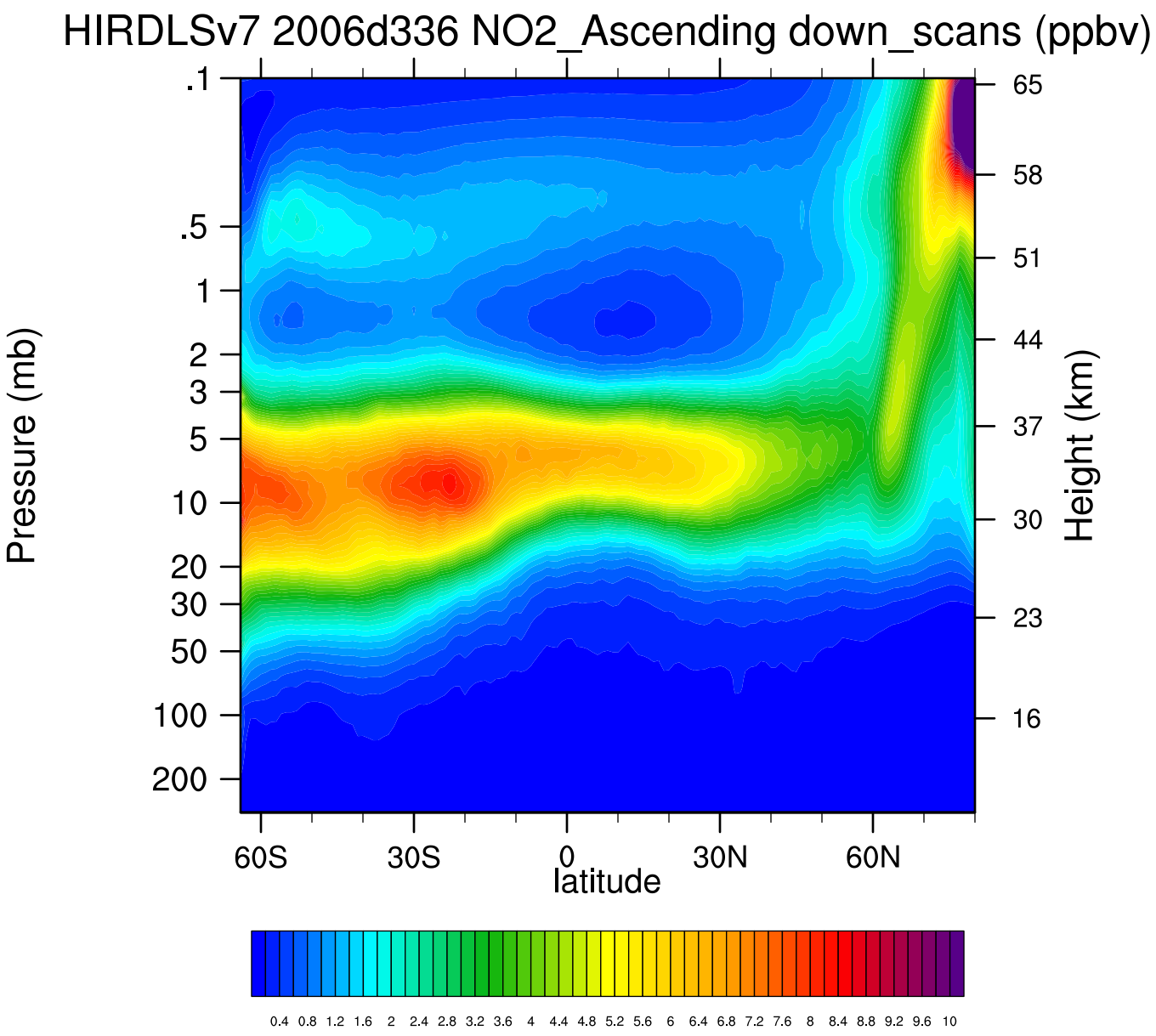

HIRDLSv7 2006d331 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

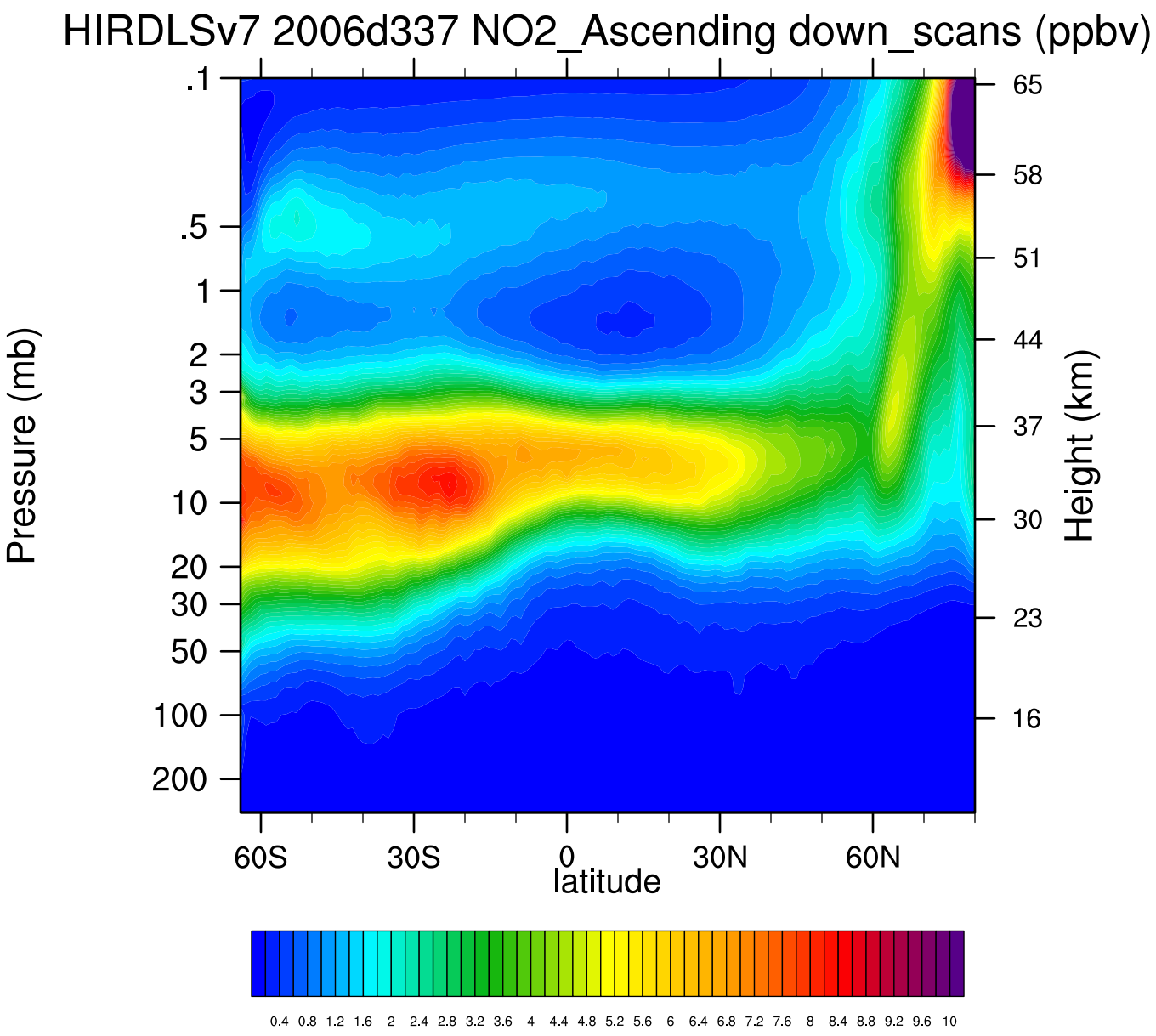

HIRDLSv7 2006d332 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

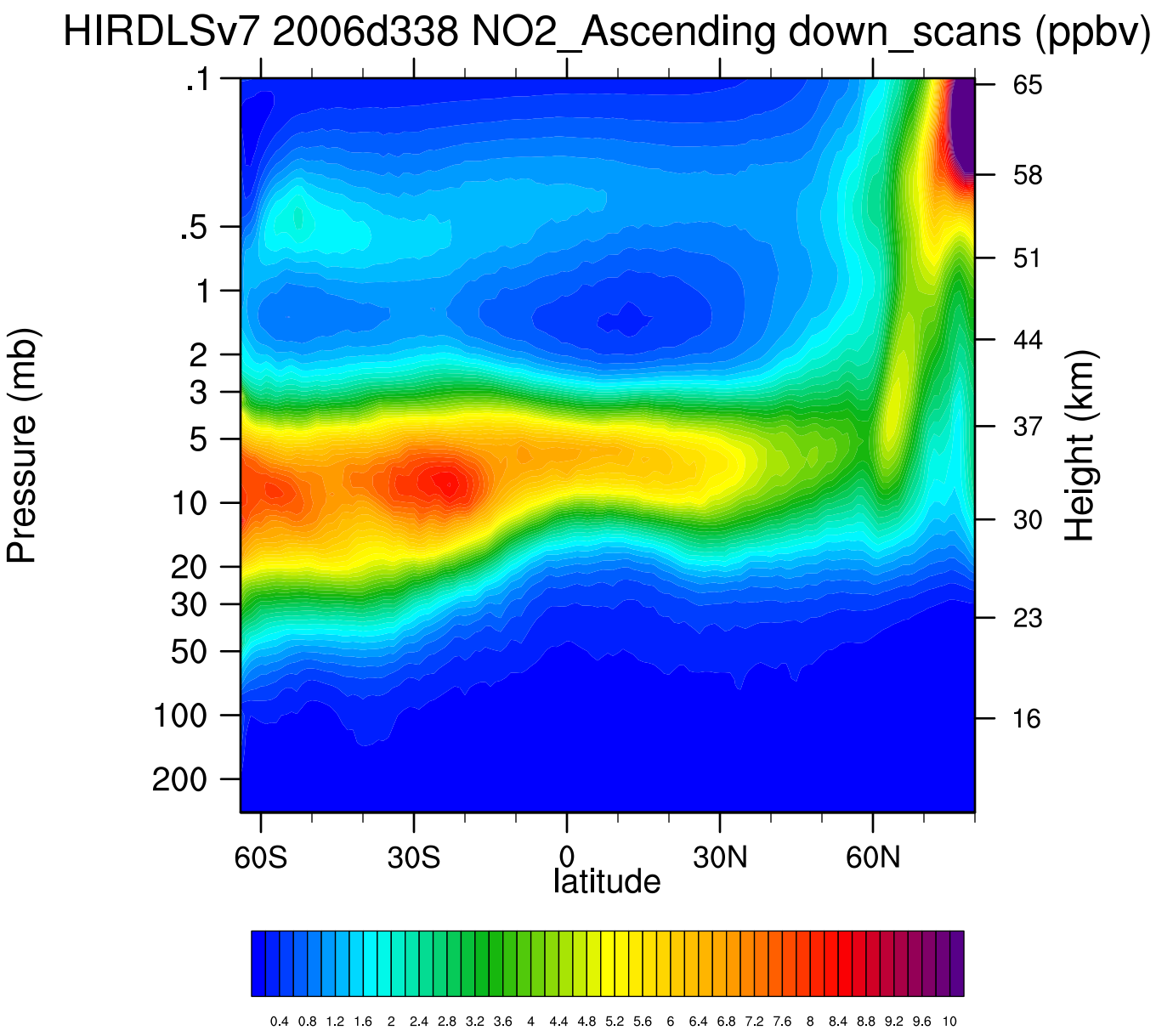

HIRDLSv7 2006d333 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

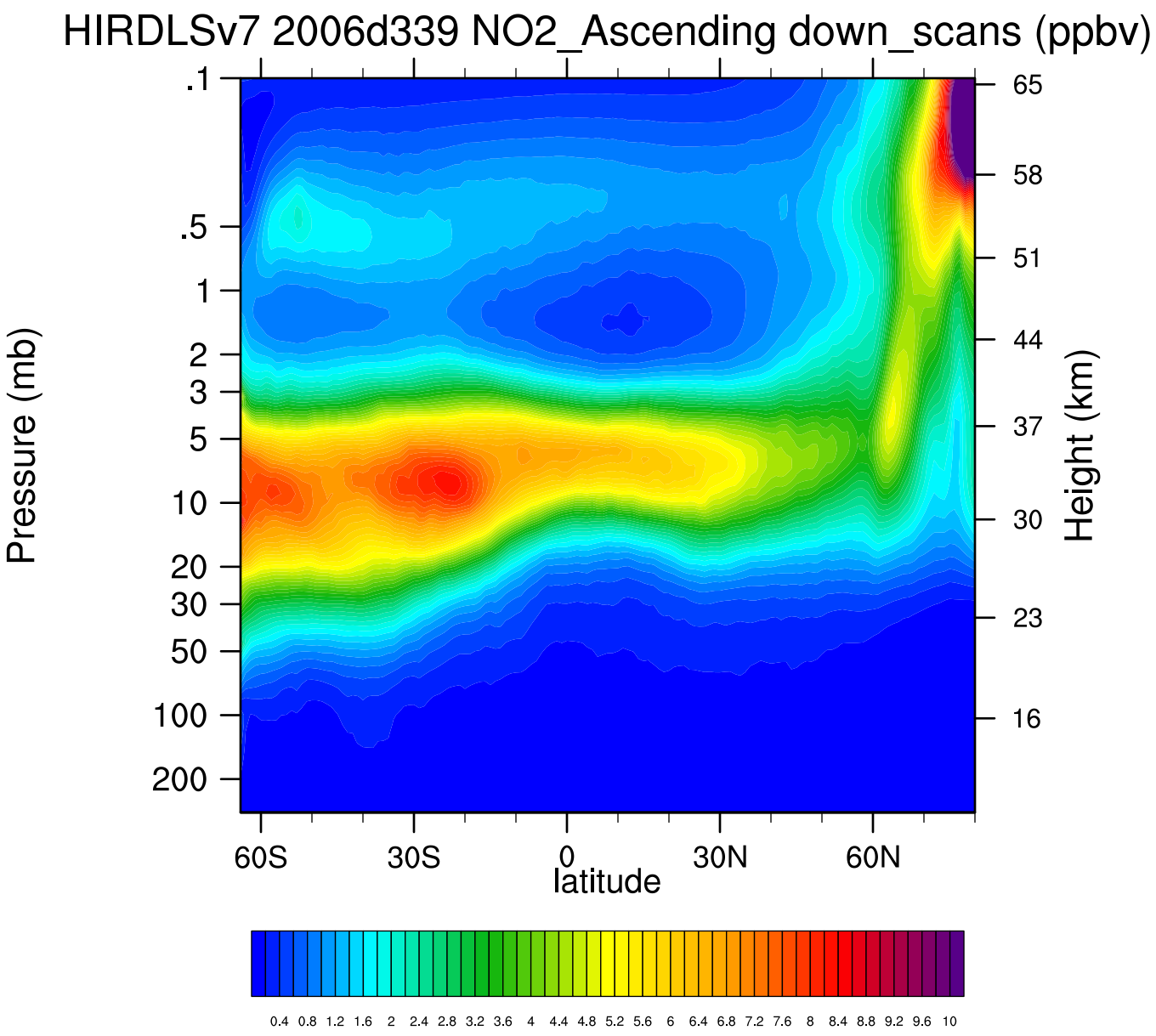

HIRDLSv7 2006d334 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

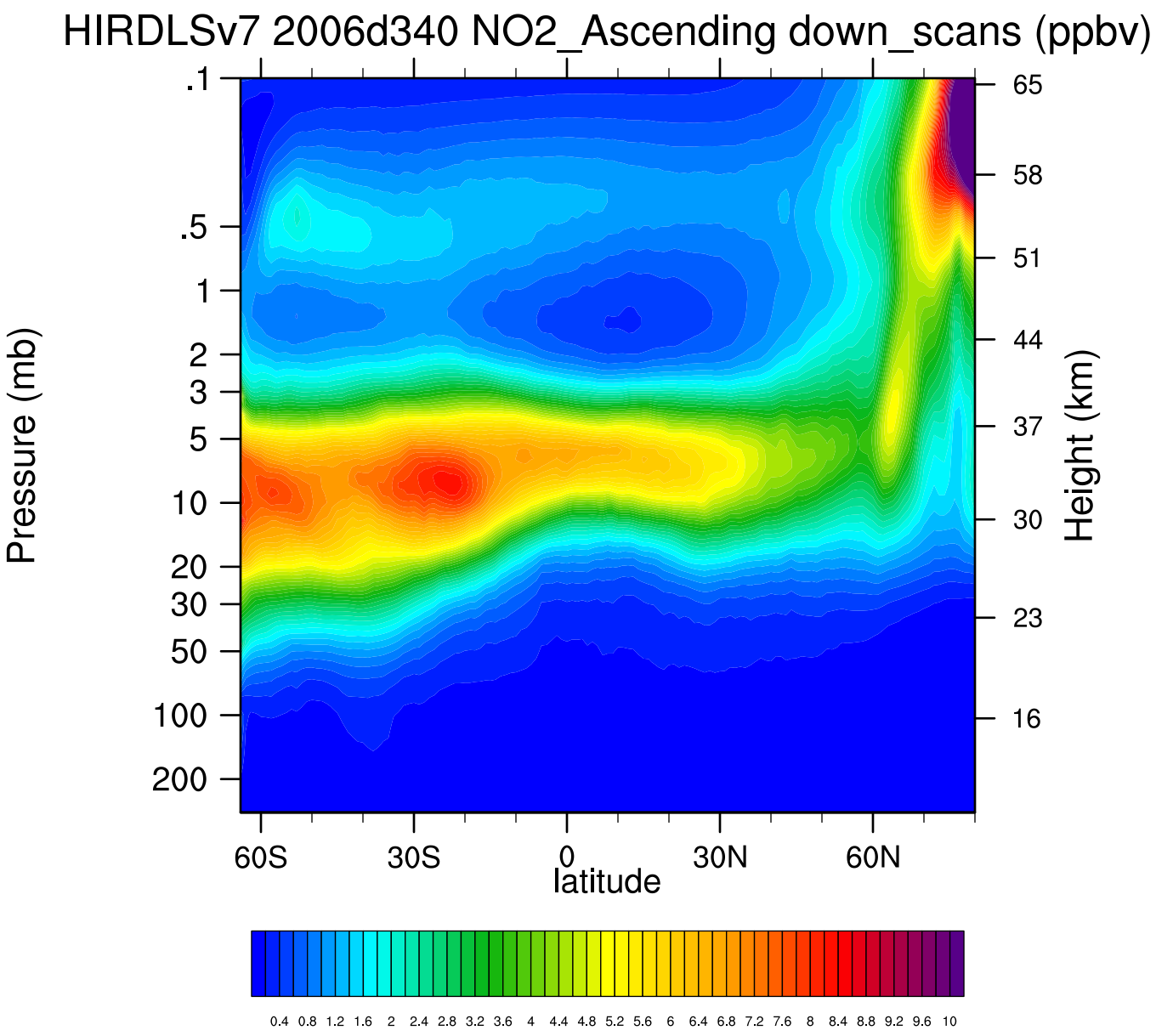

HIRDLSv7 2006d335 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

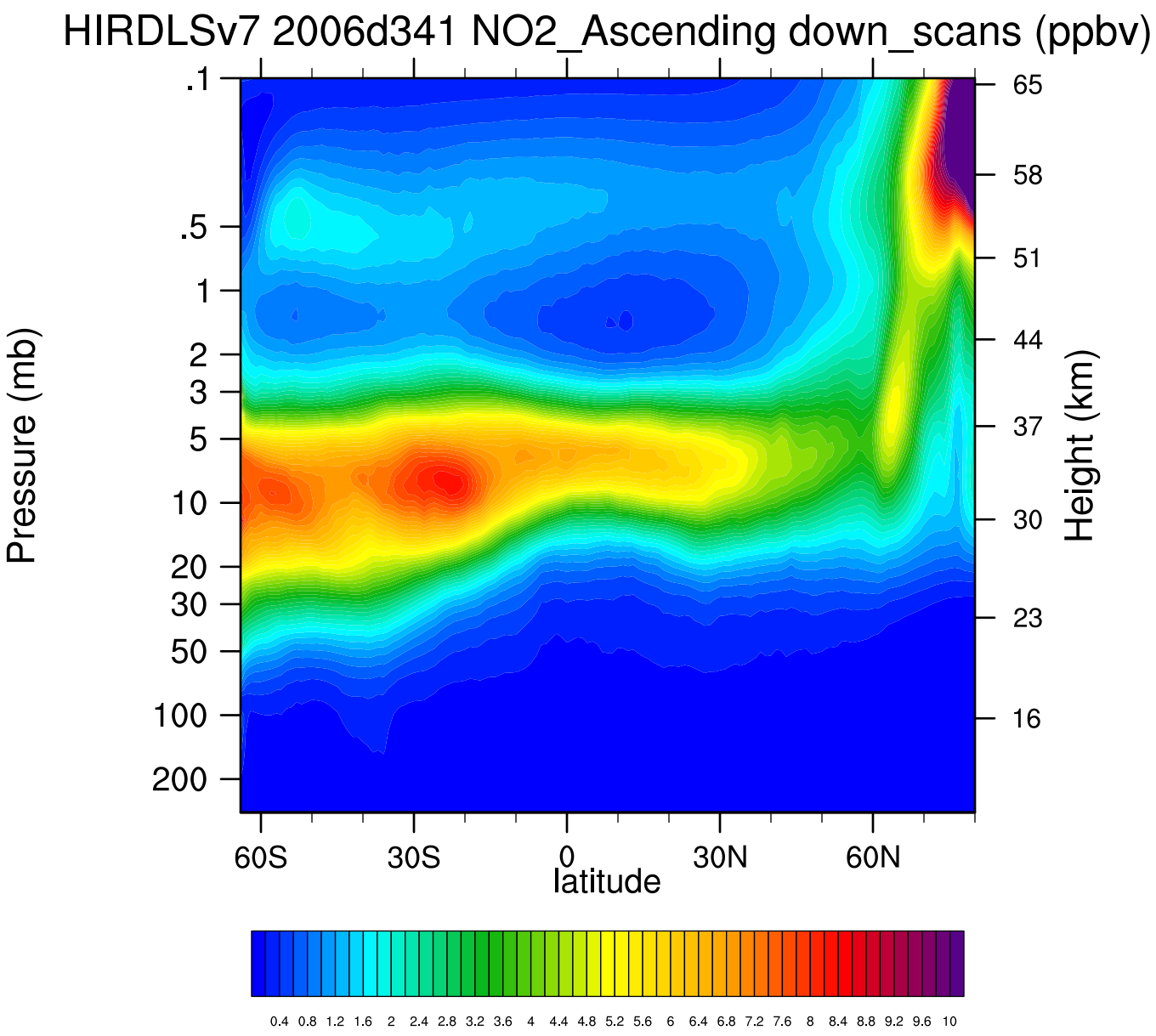

HIRDLSv7 2006d336 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

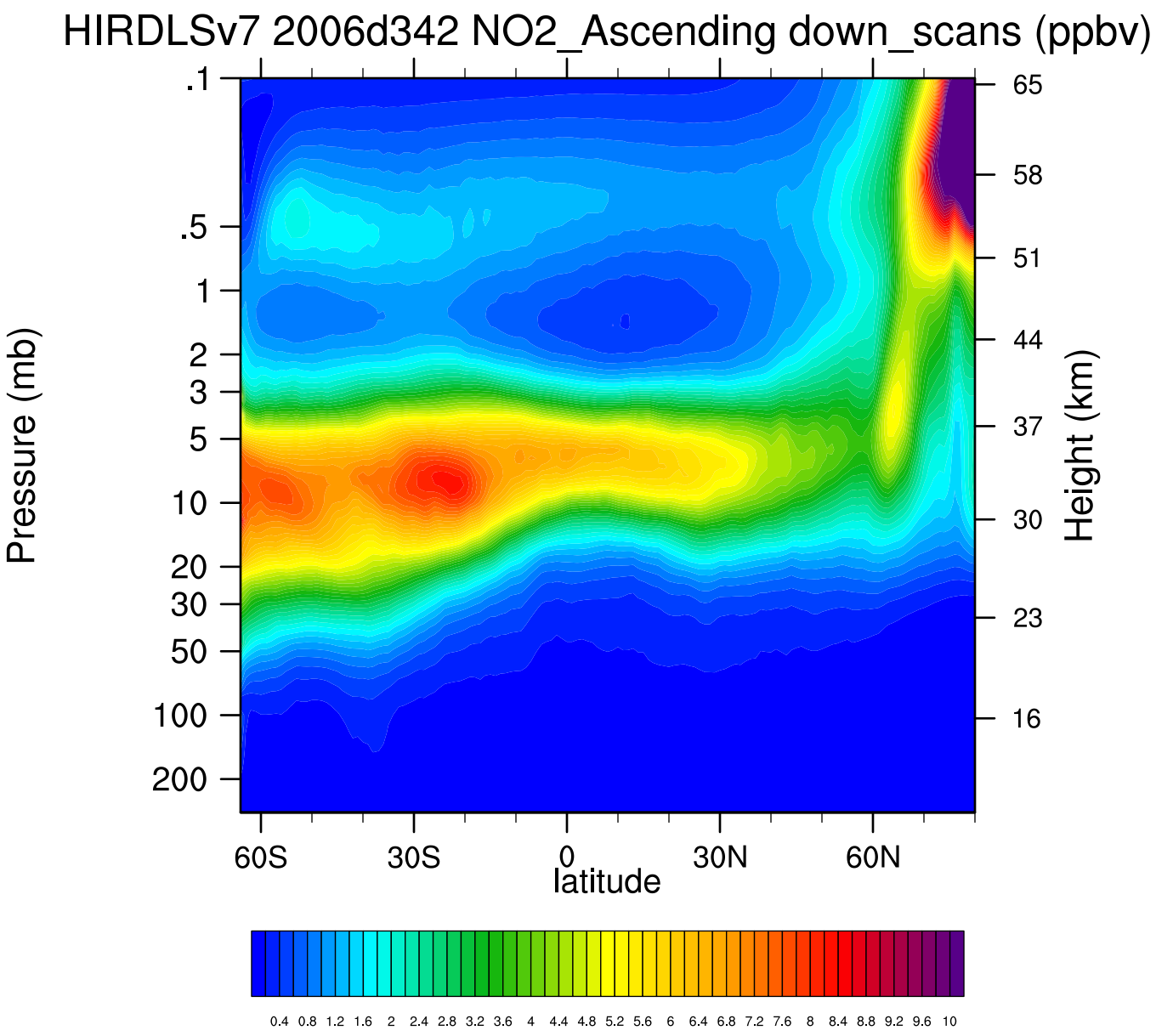

HIRDLSv7 2006d337 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

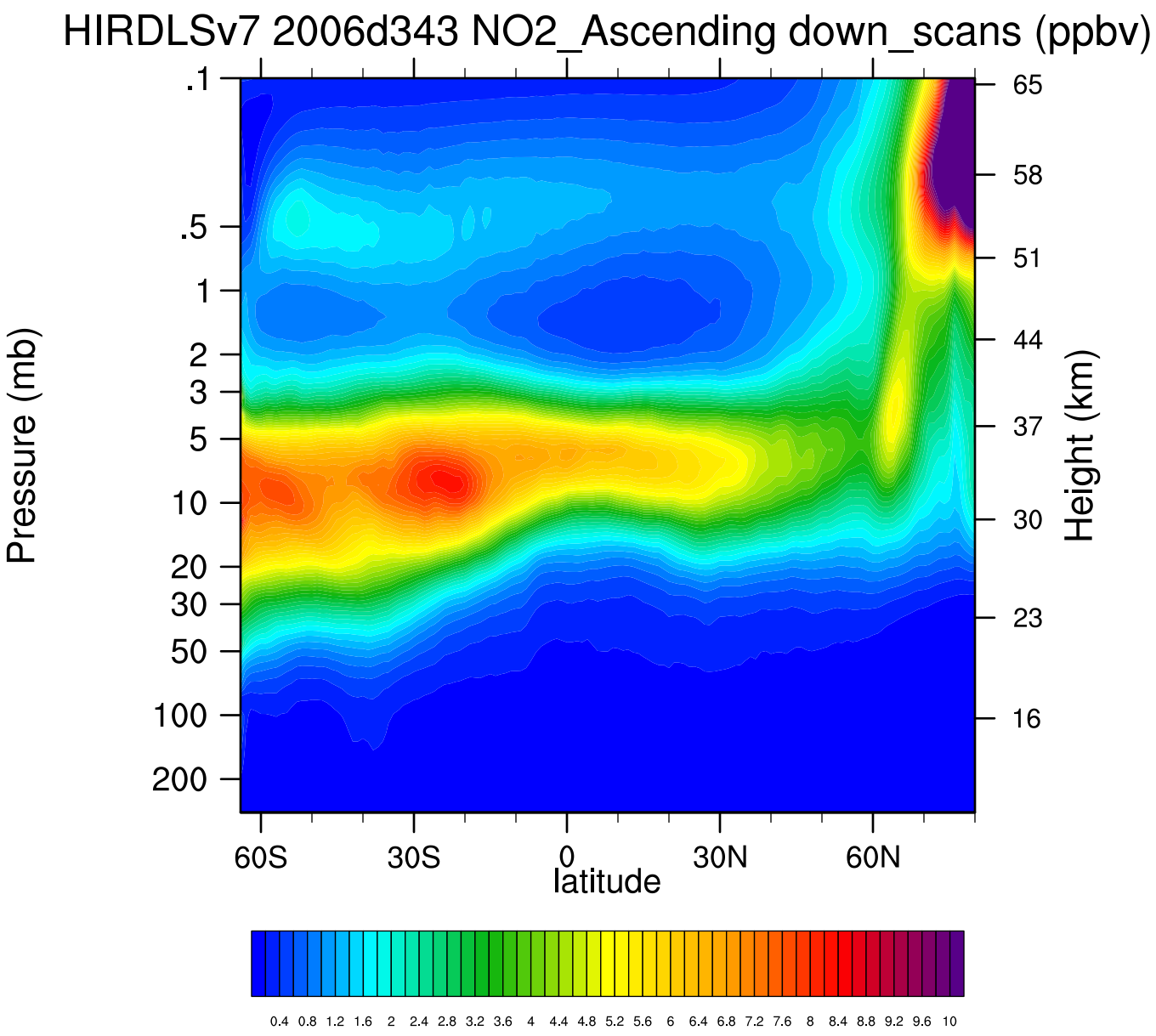

HIRDLSv7 2006d338 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

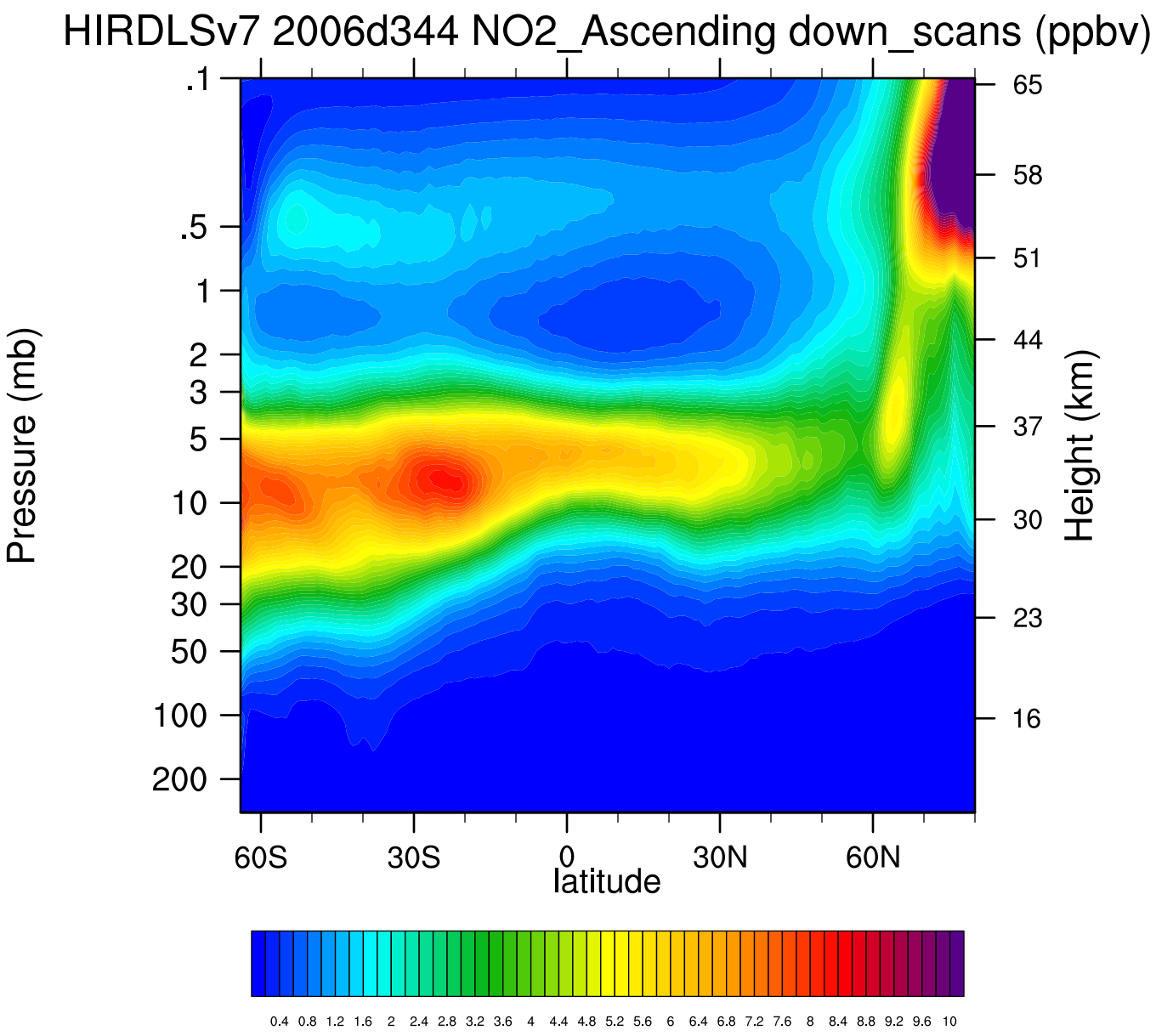

HIRDLSv7 2006d339 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

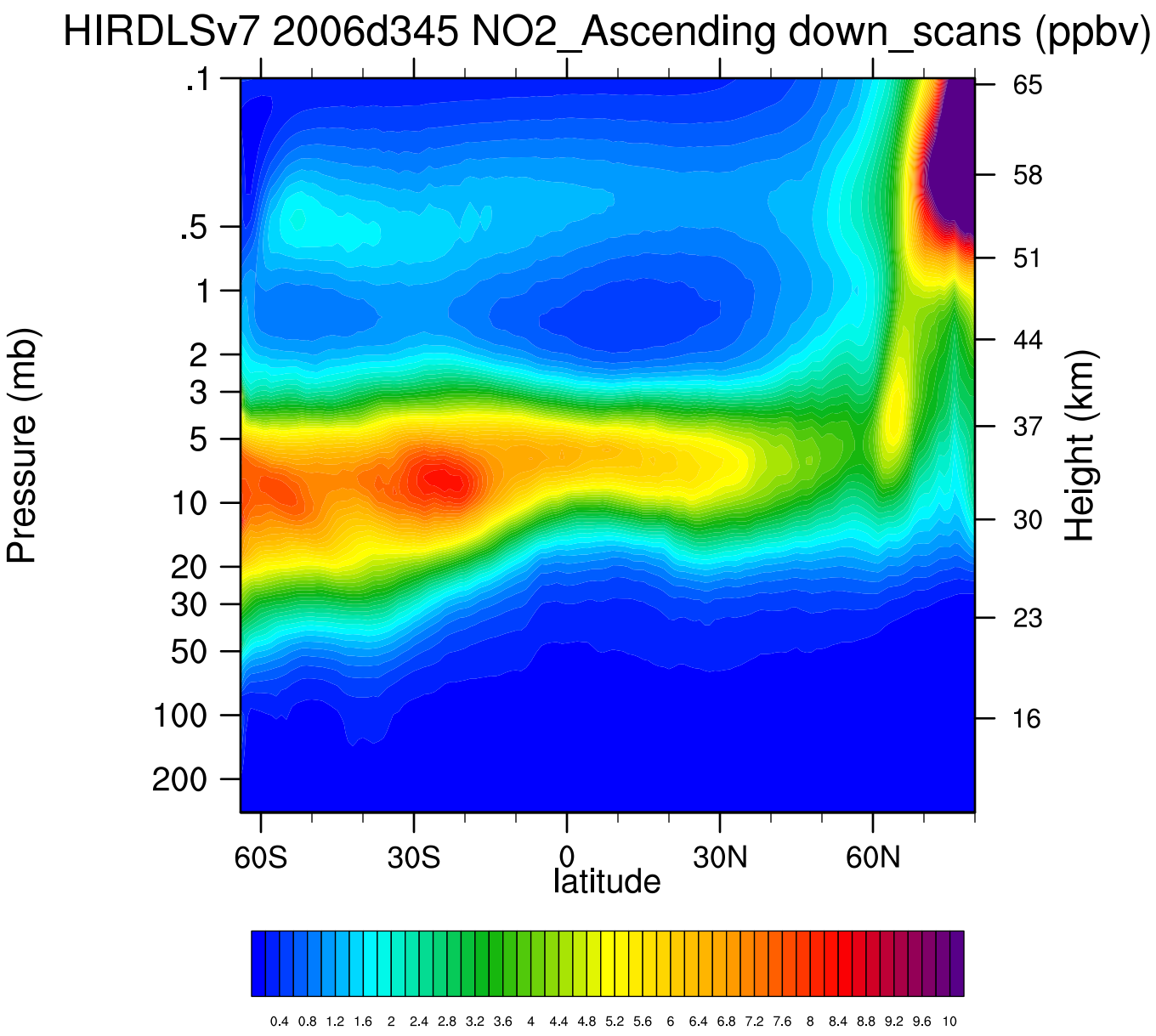

HIRDLSv7 2006d340 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

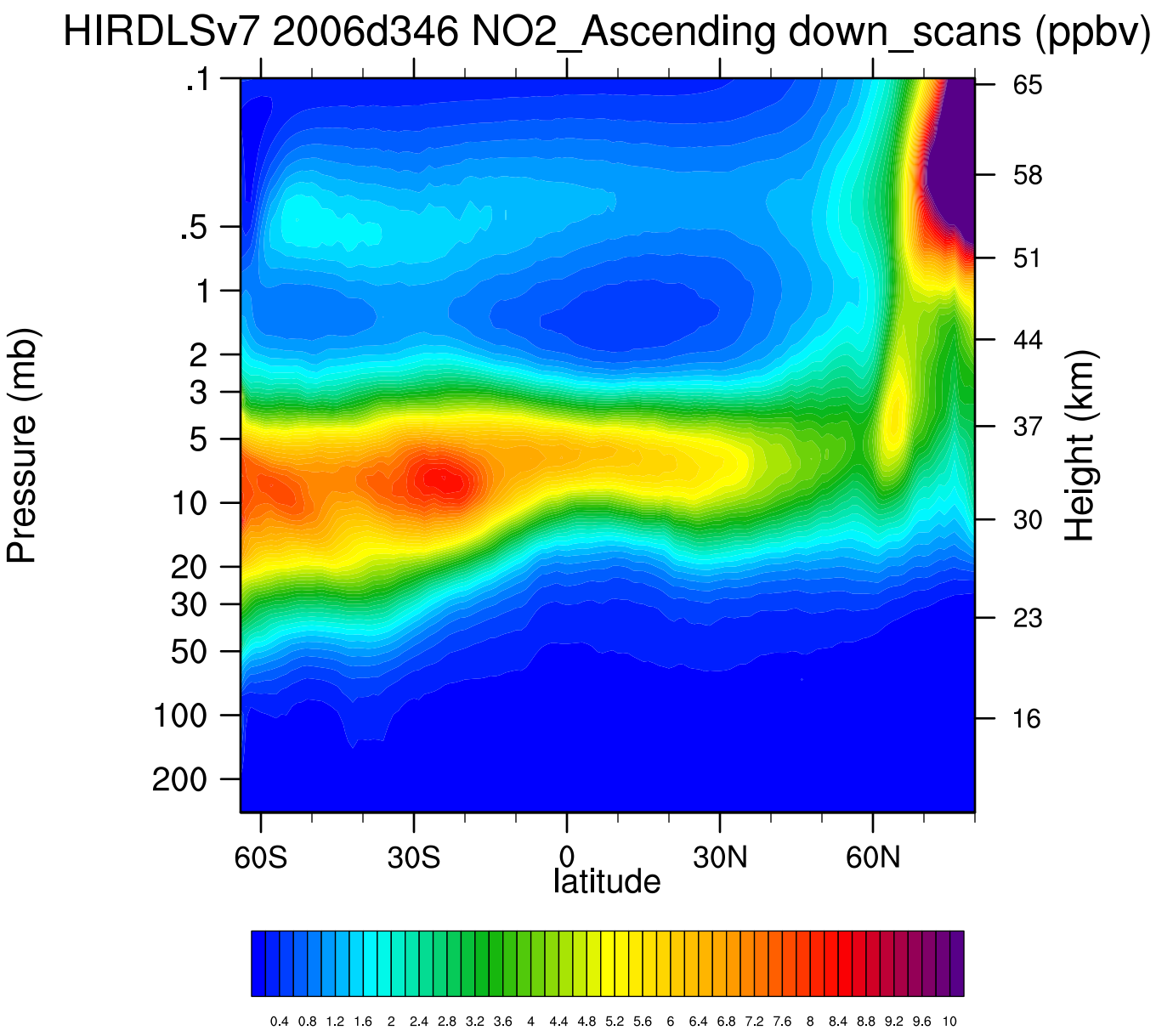

HIRDLSv7 2006d341 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

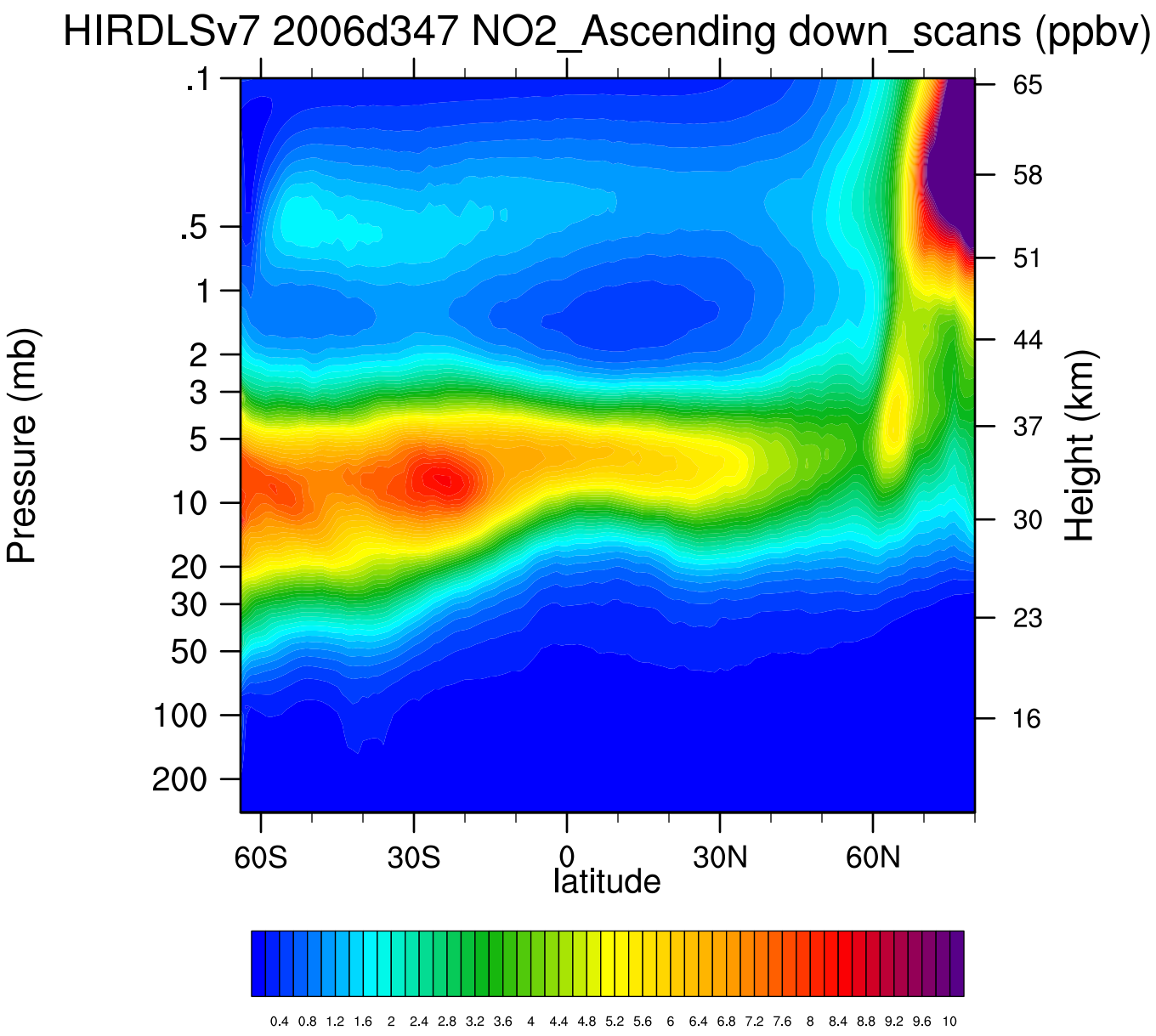

HIRDLSv7 2006d342 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

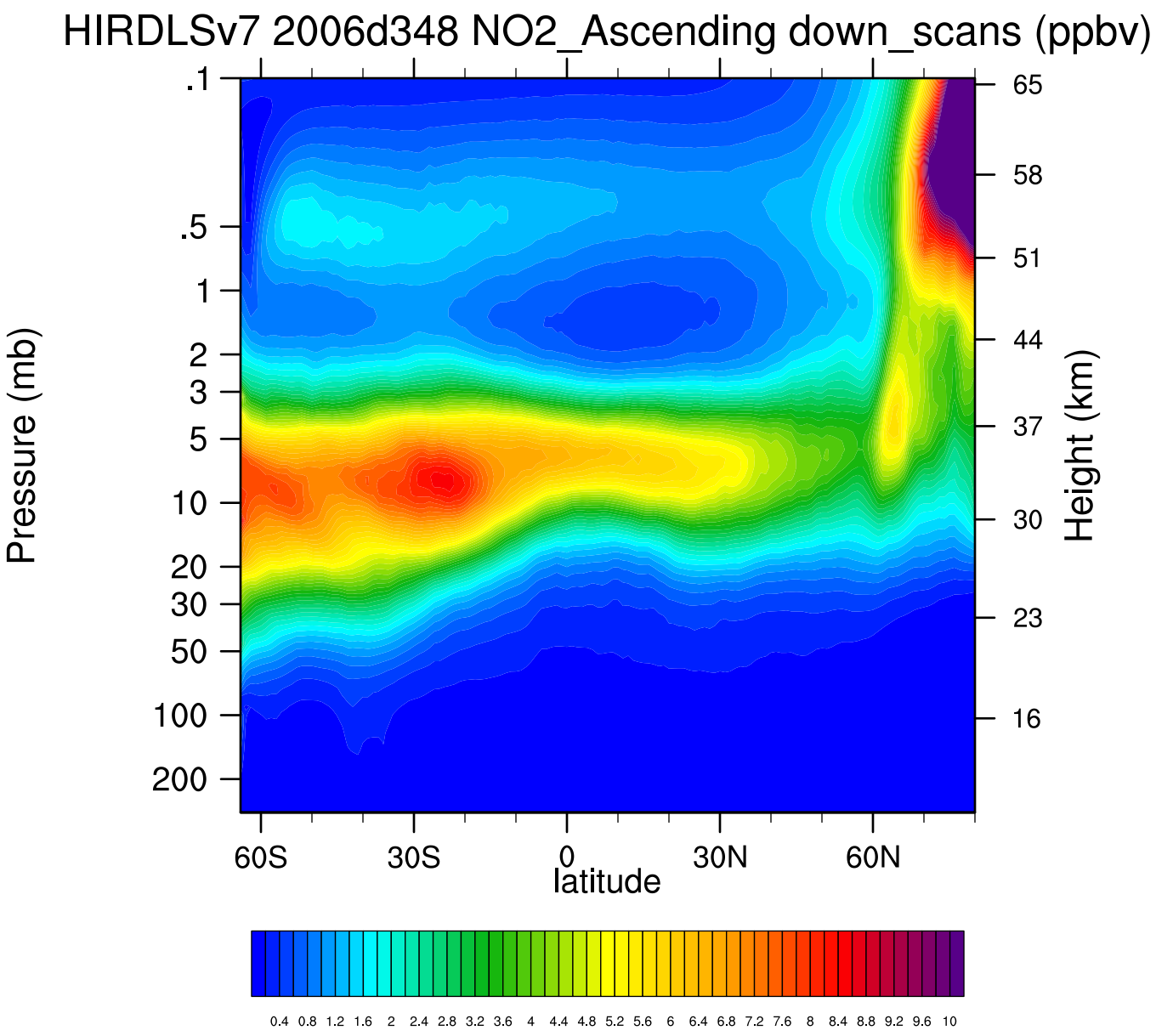

HIRDLSv7 2006d343 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

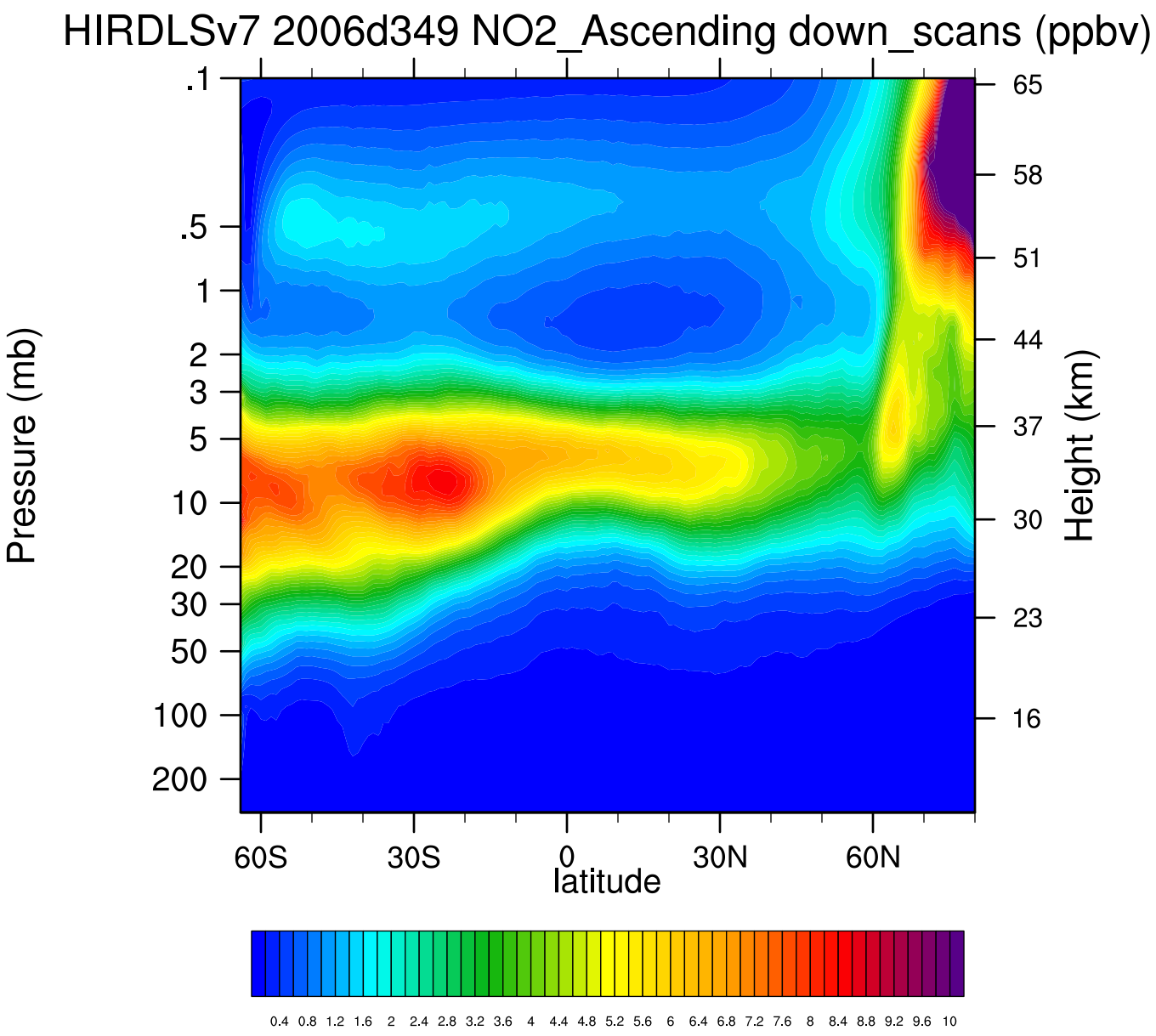

HIRDLSv7 2006d344 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

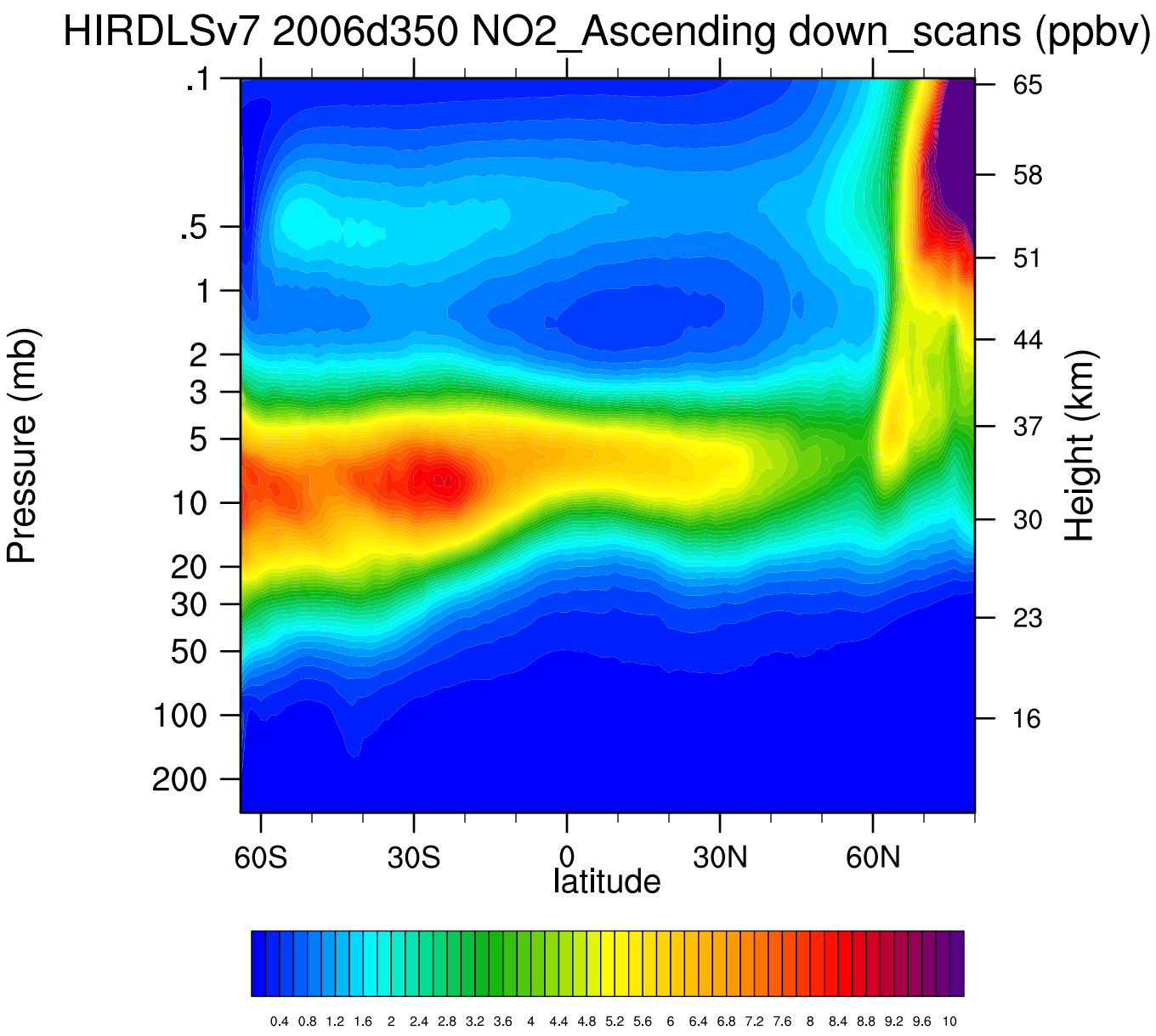

HIRDLSv7 2006d345 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

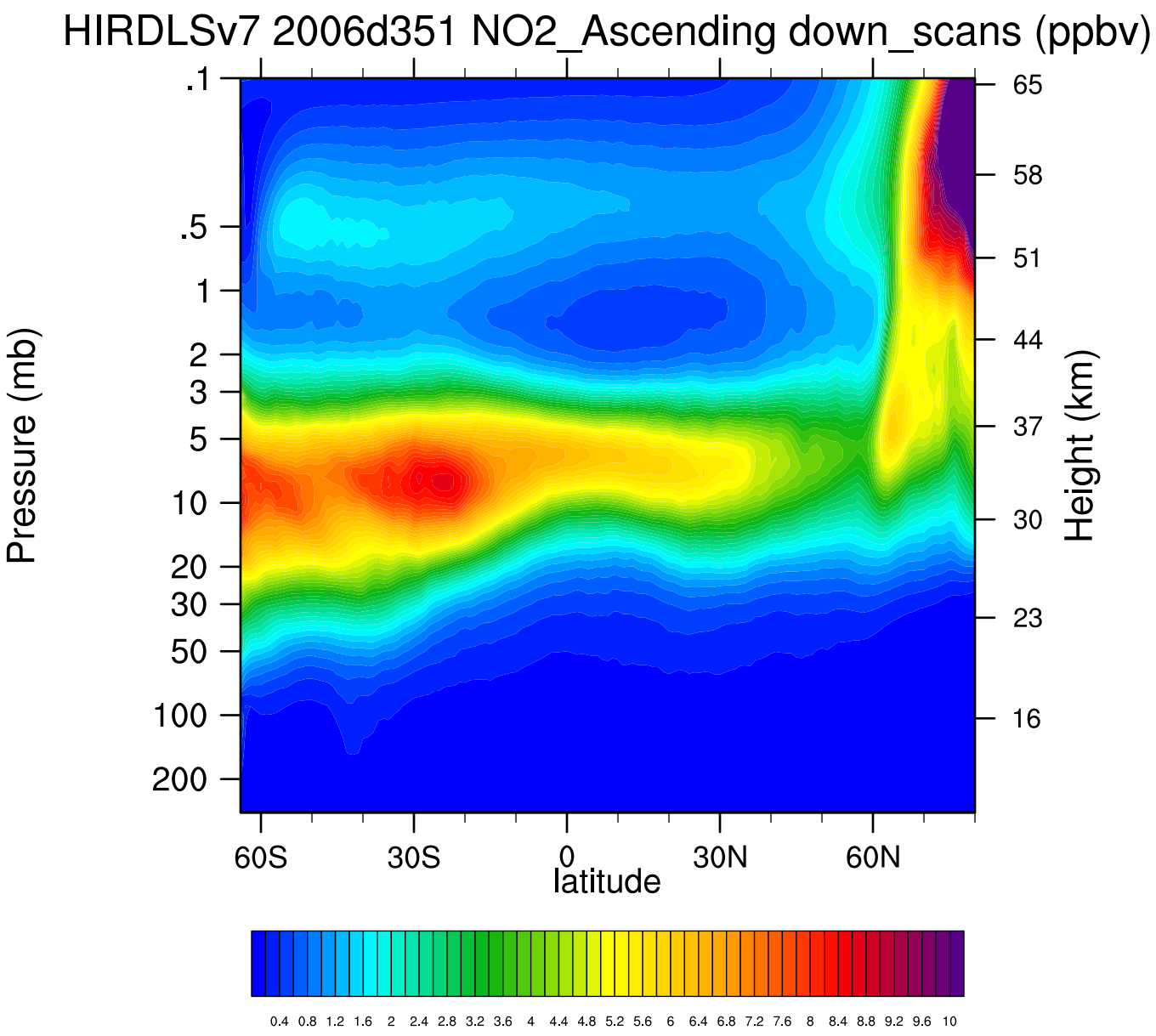

HIRDLSv7 2006d346 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

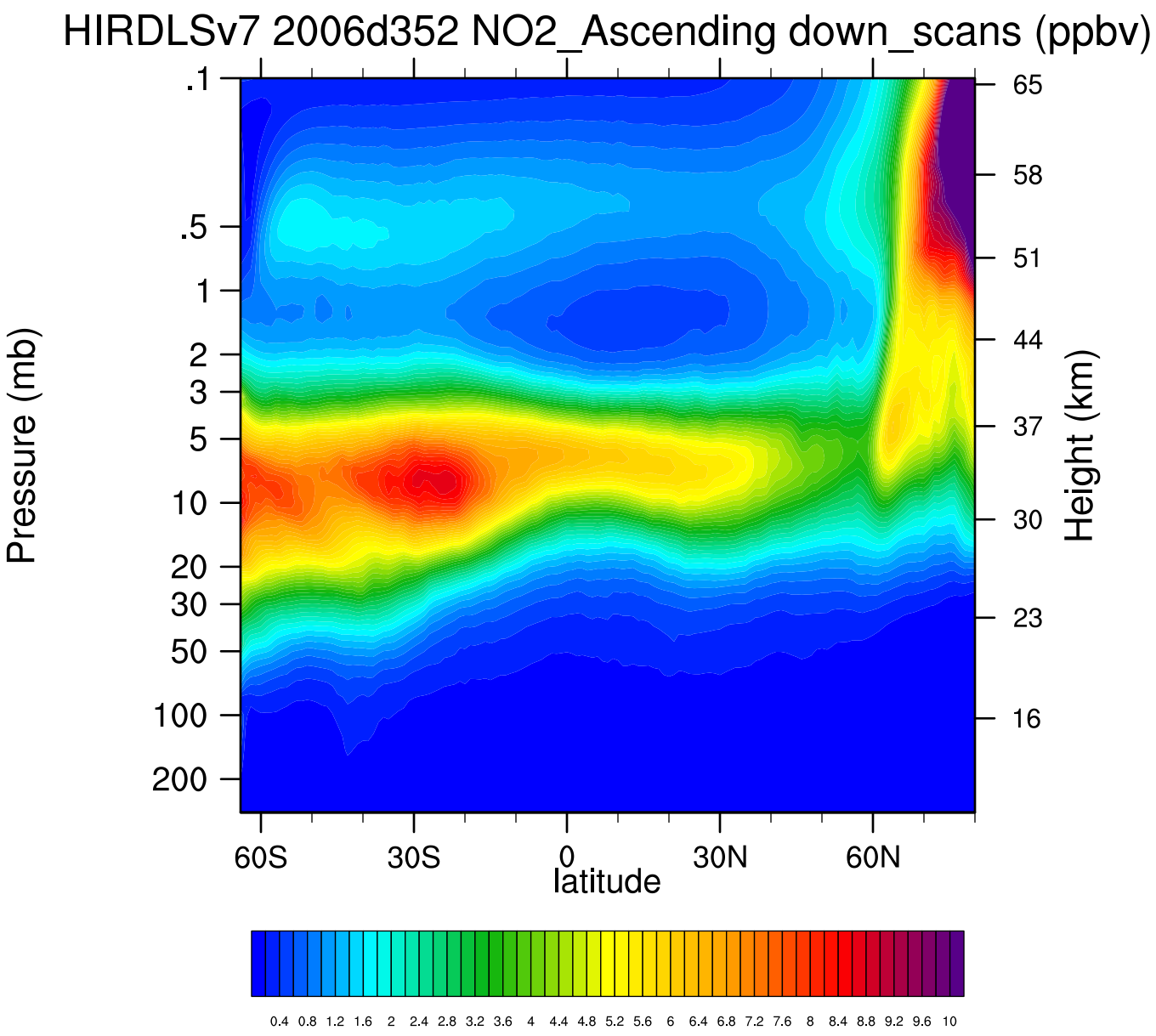

HIRDLSv7 2006d347 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

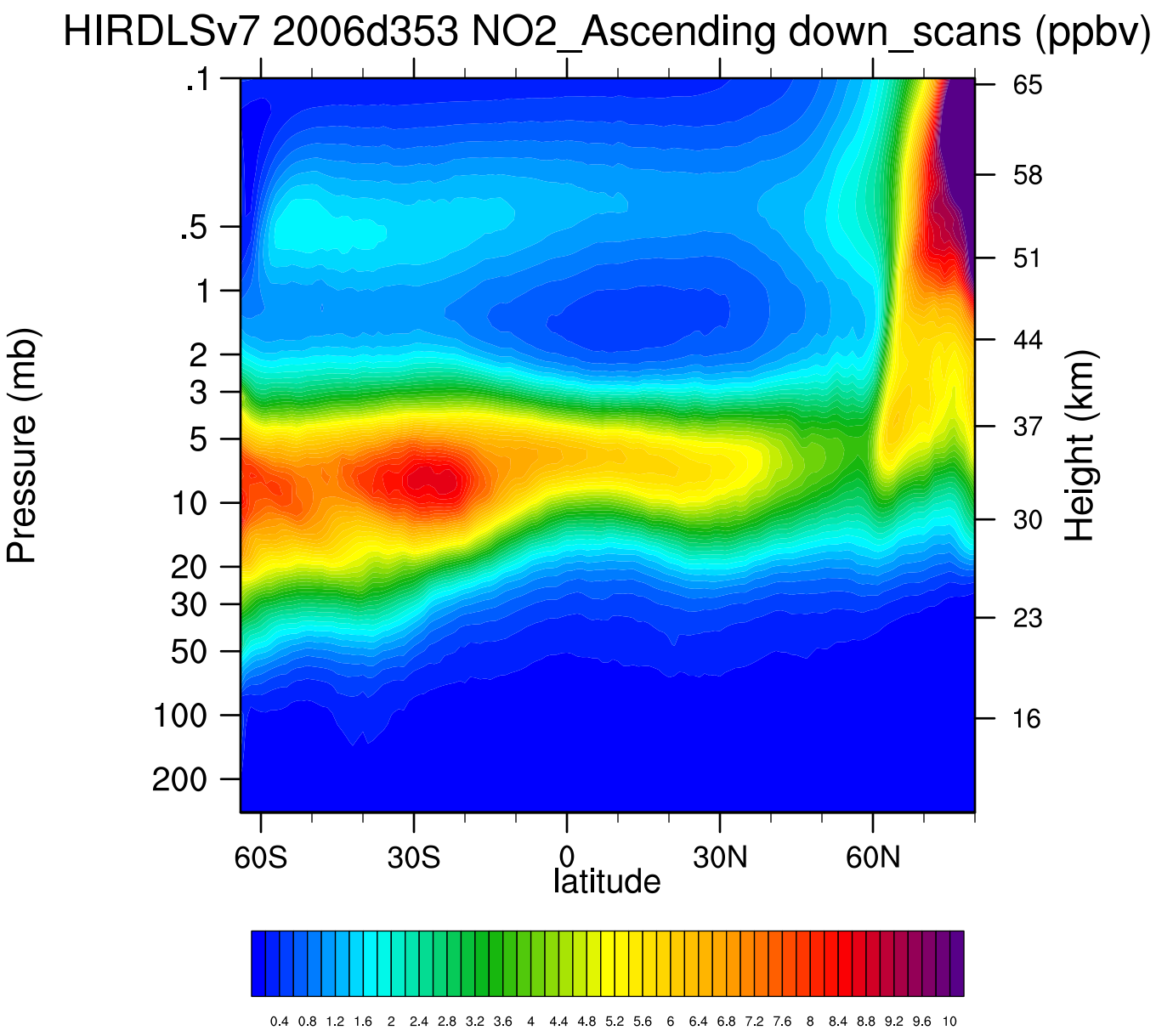

HIRDLSv7 2006d348 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

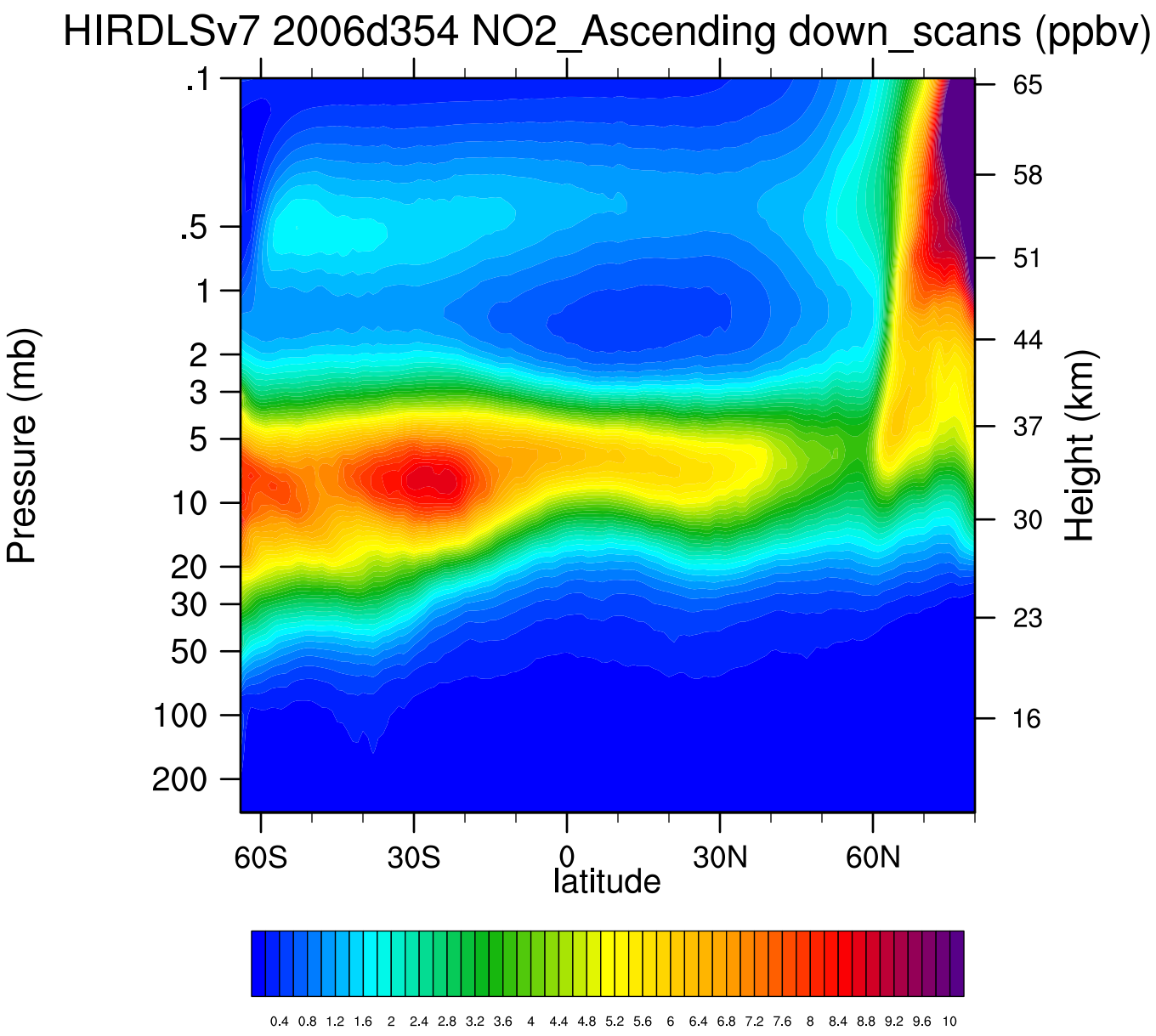

HIRDLSv7 2006d349 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

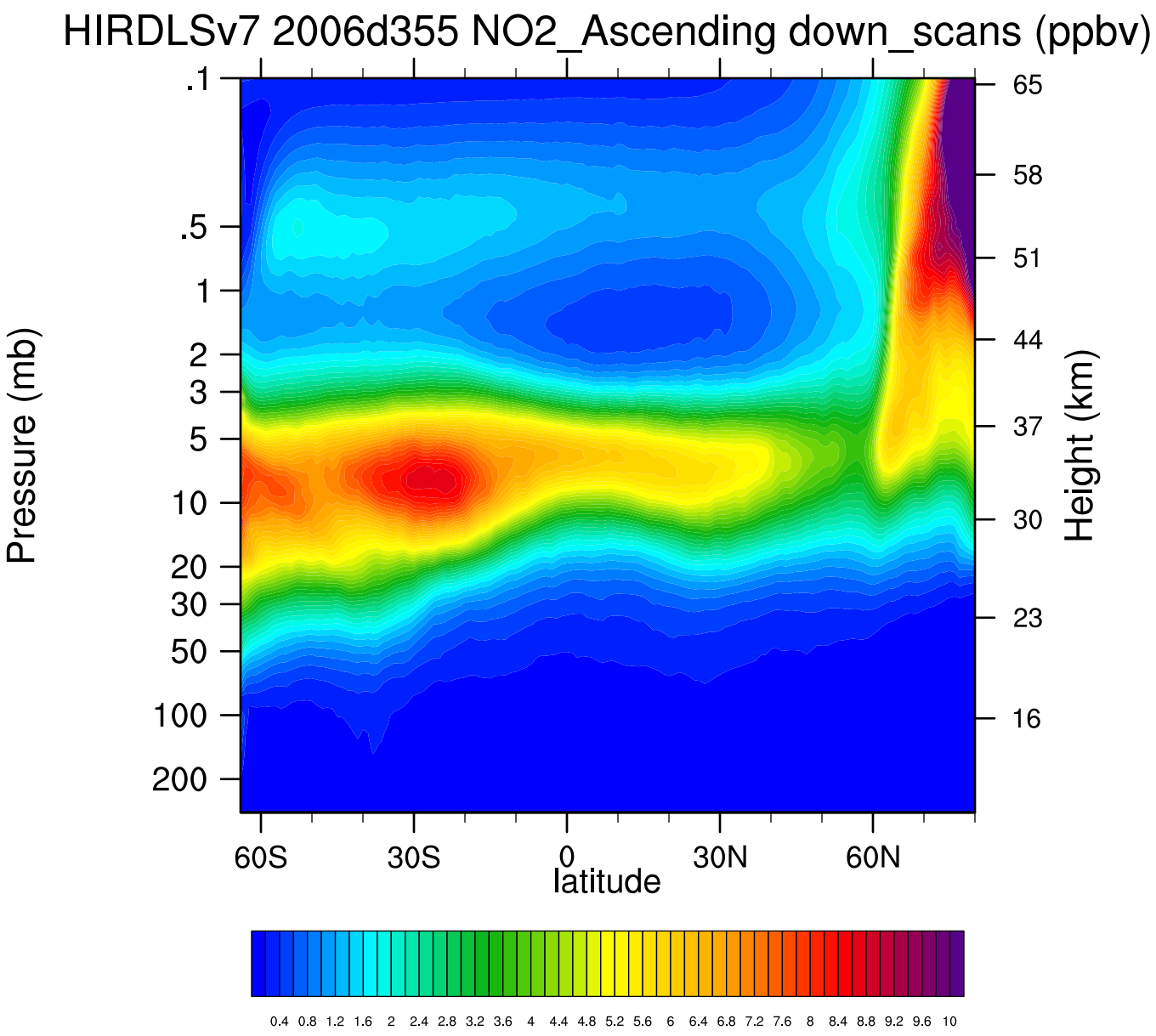

HIRDLSv7 2006d350 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

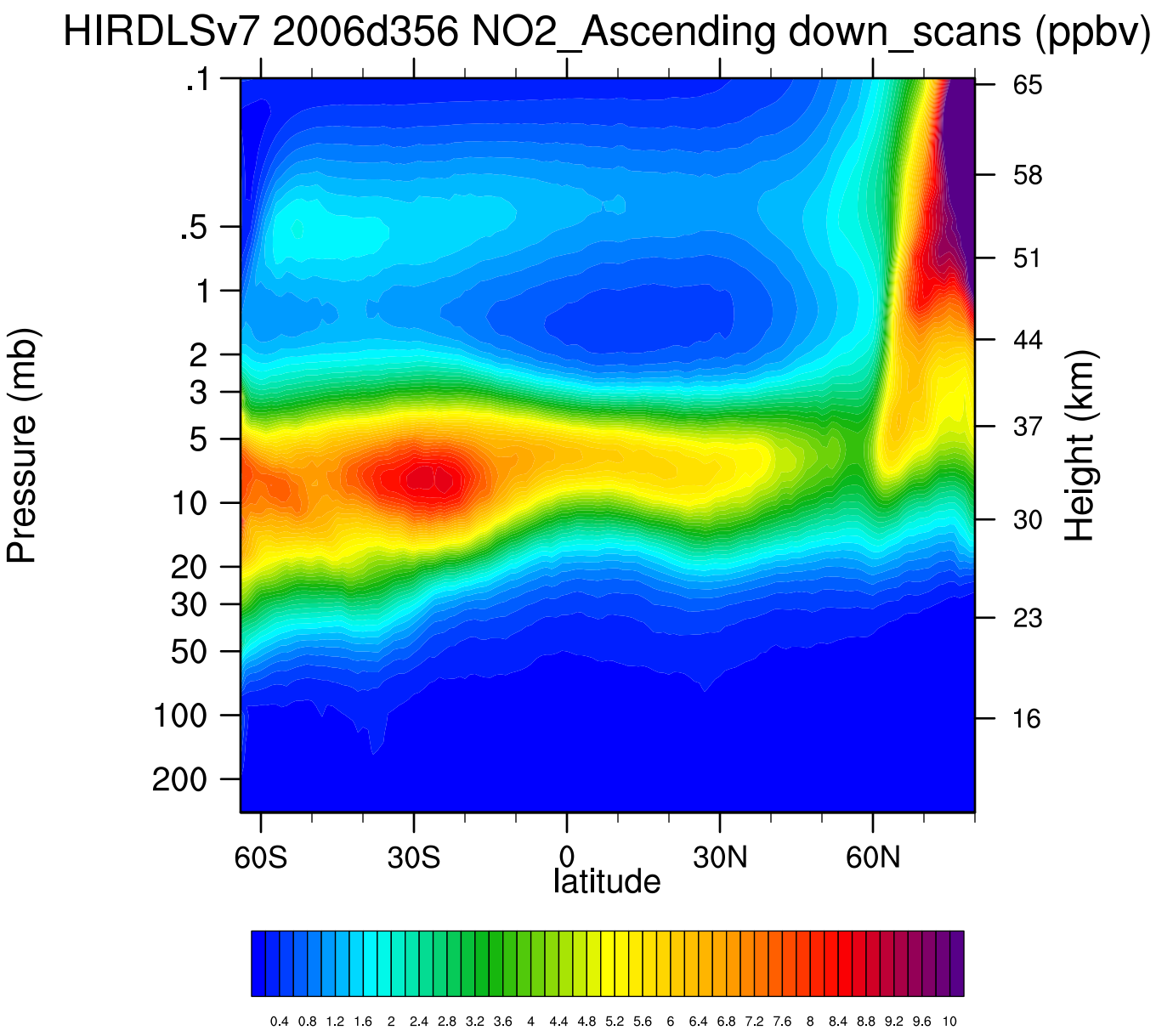

HIRDLSv7 2006d351 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

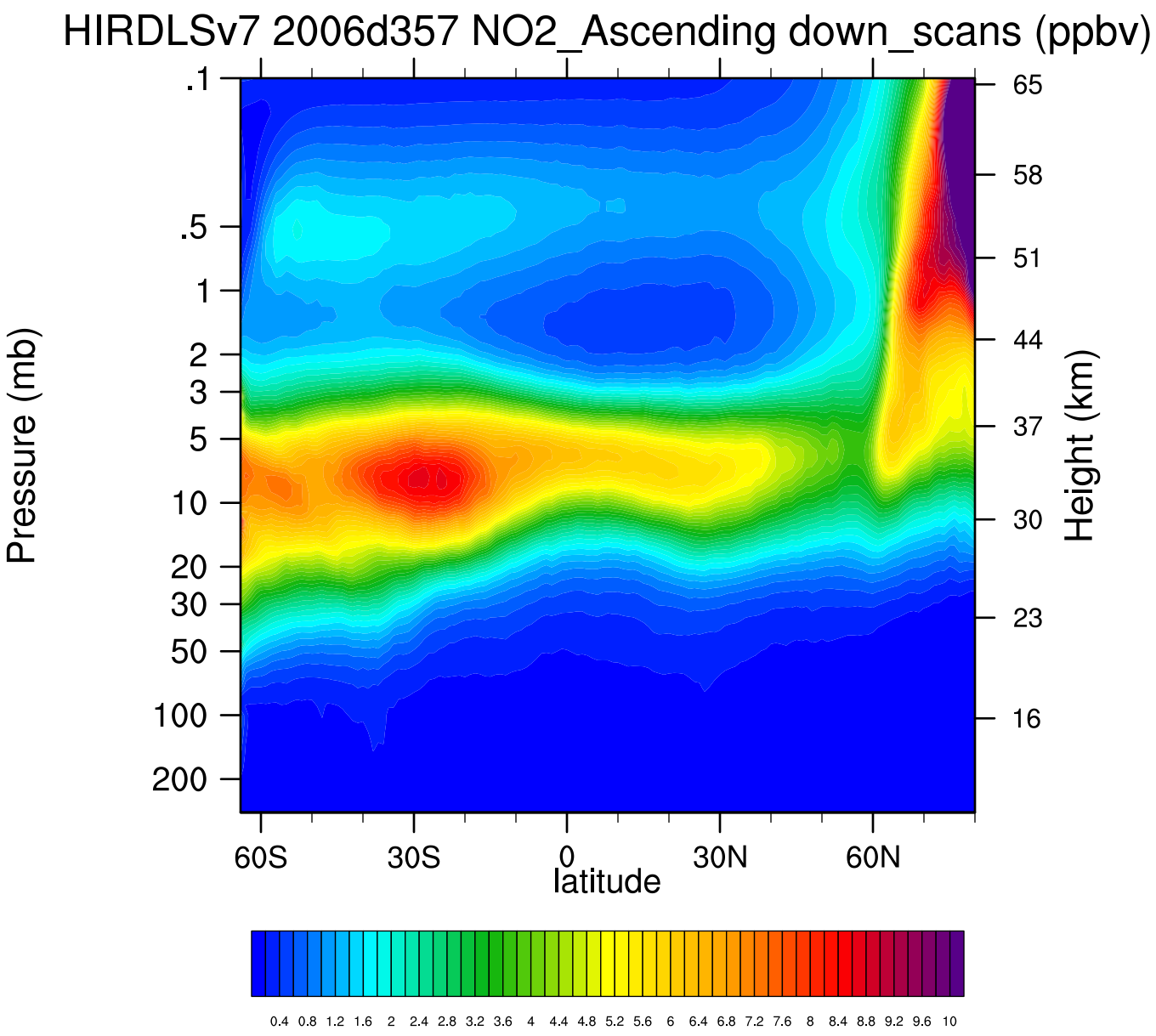

HIRDLSv7 2006d352 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

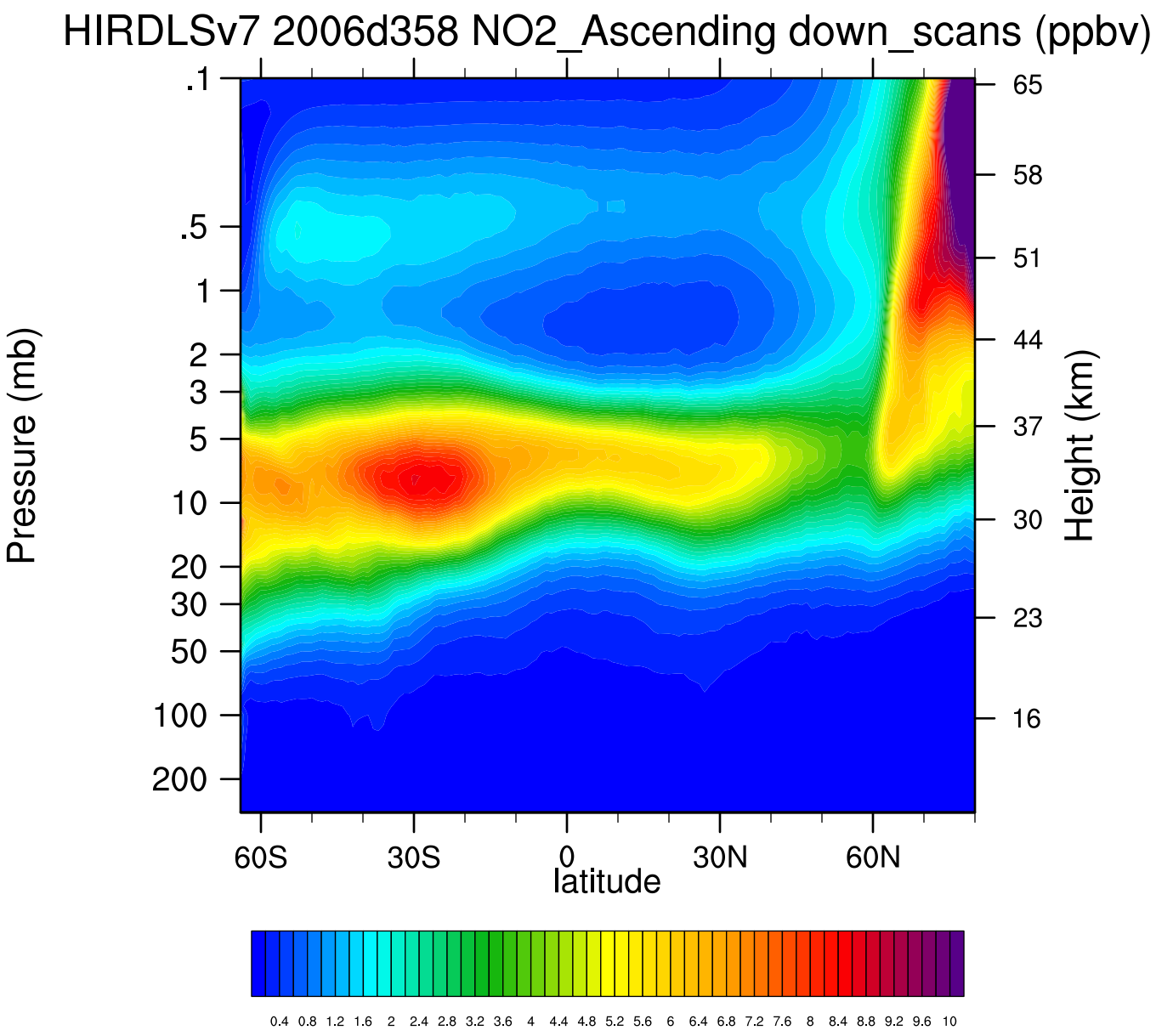

HIRDLSv7 2006d353 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

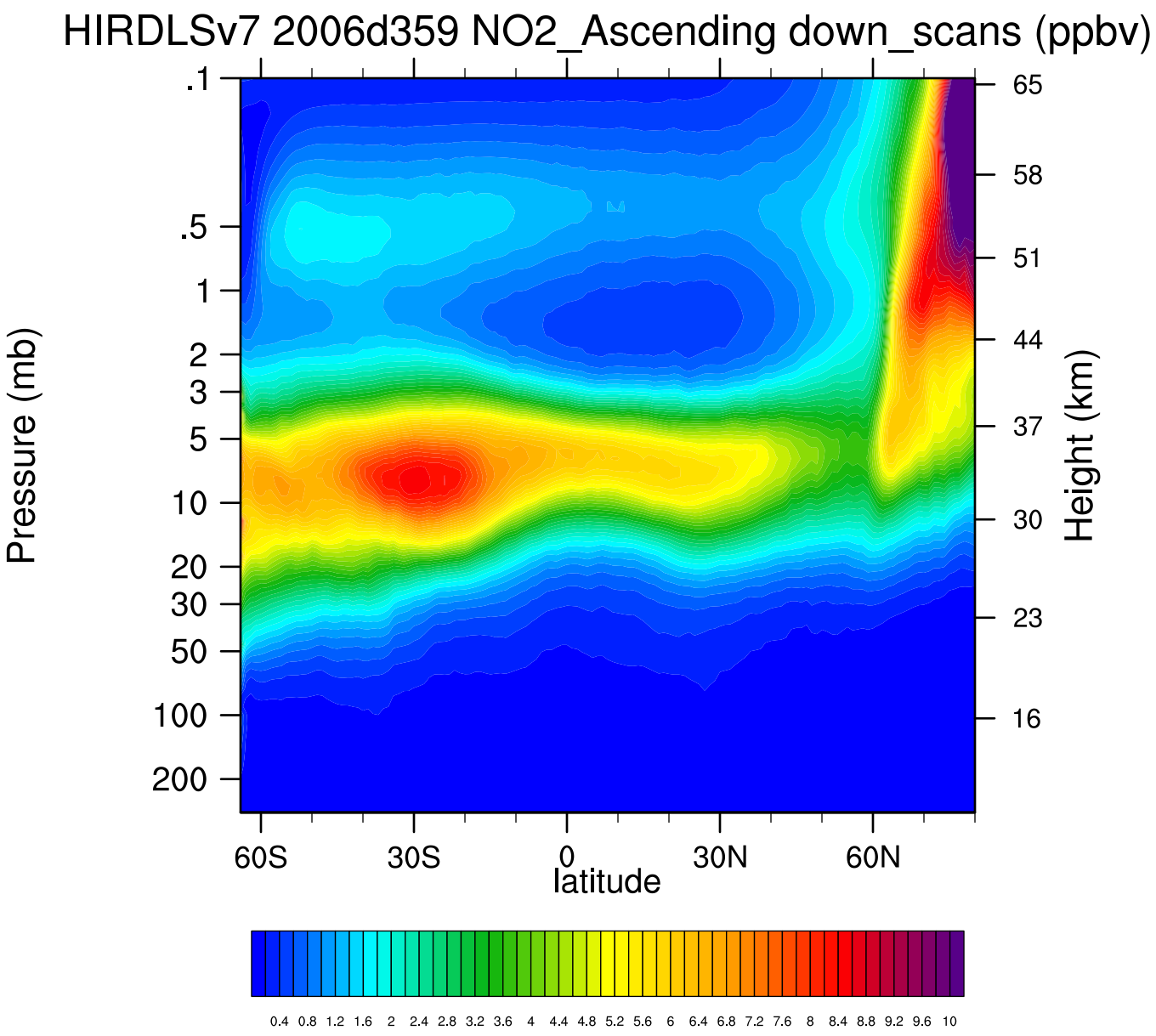

HIRDLSv7 2006d354 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

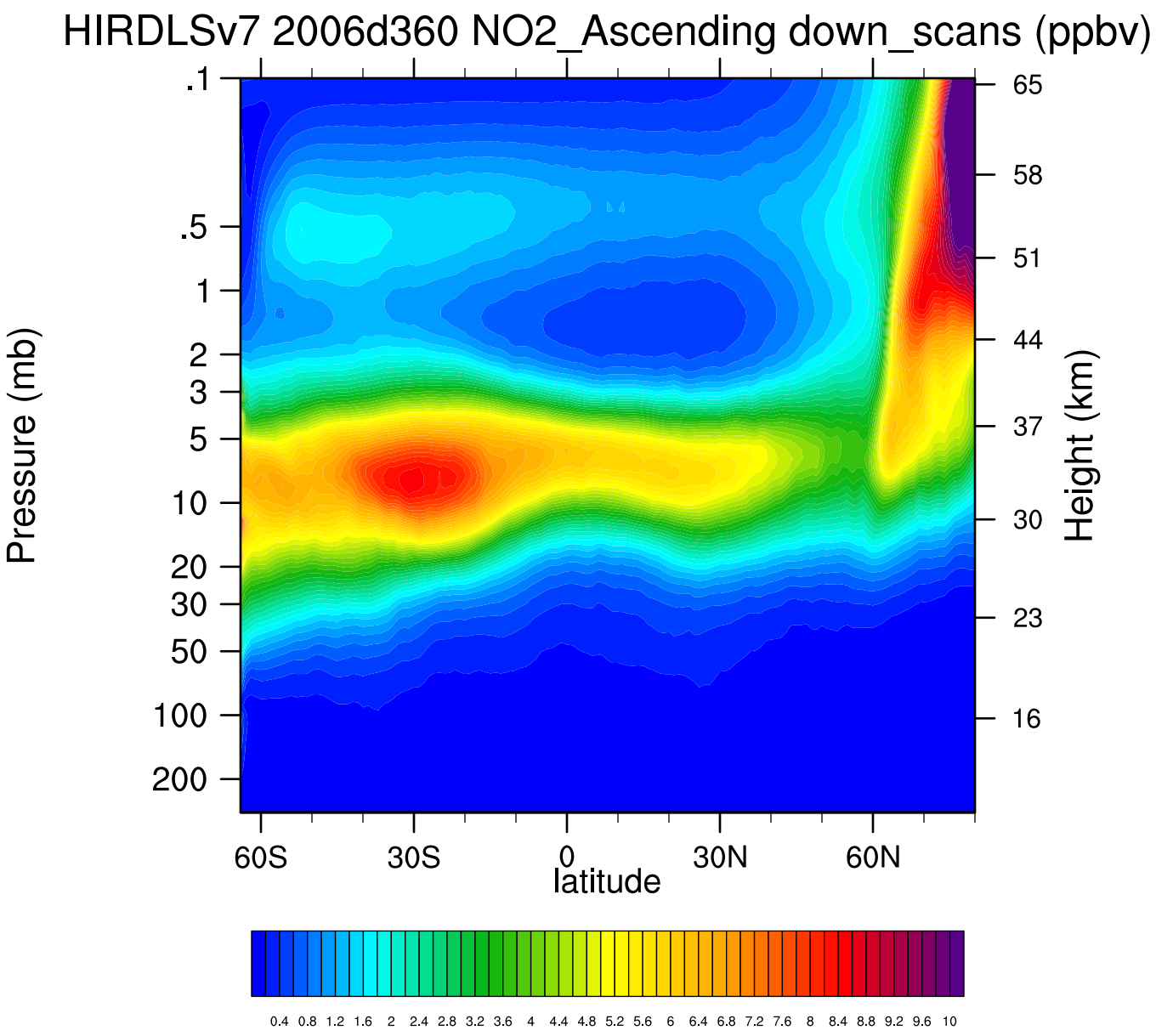

HIRDLSv7 2006d355 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

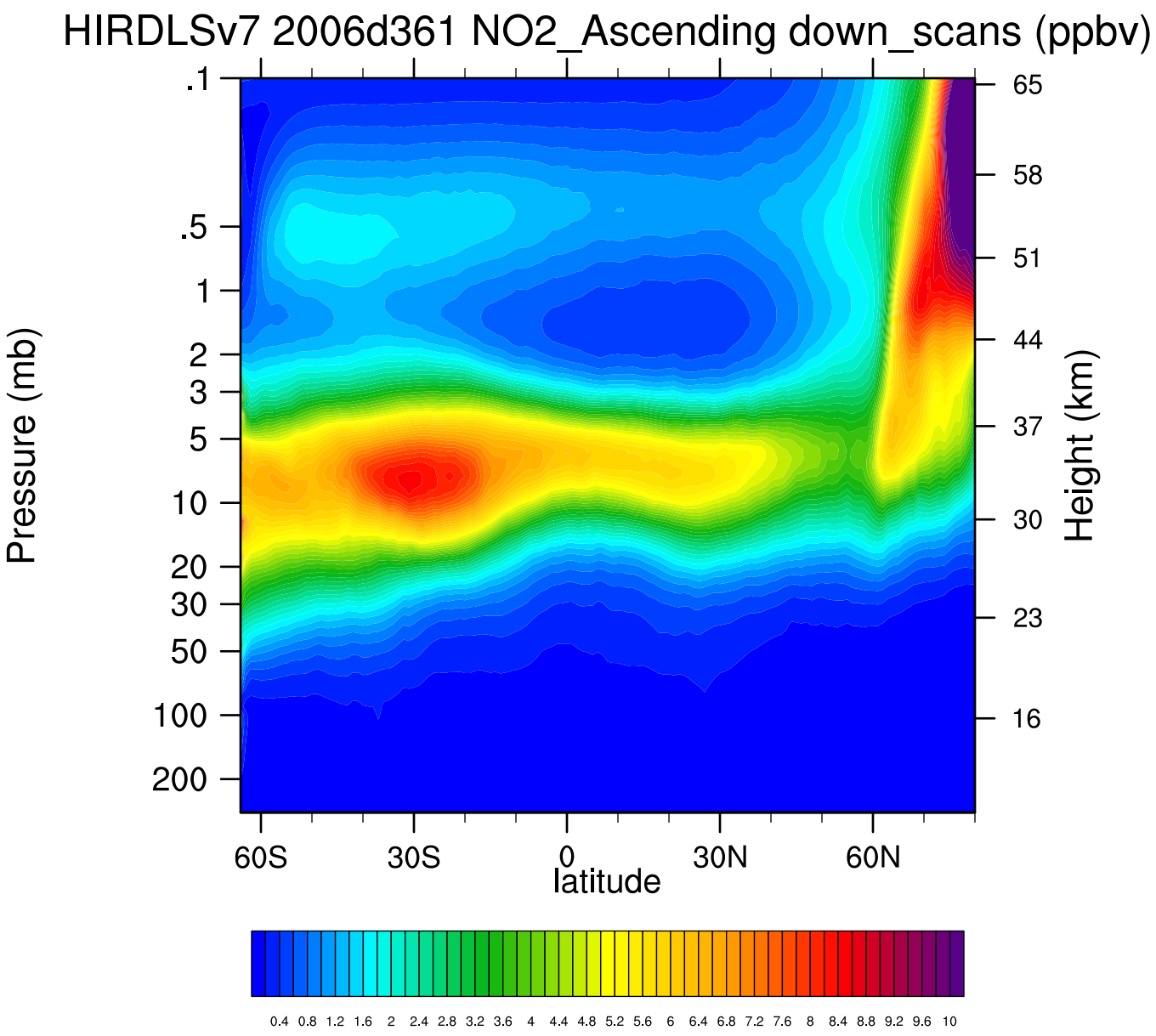

HIRDLSv7 2006d356 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

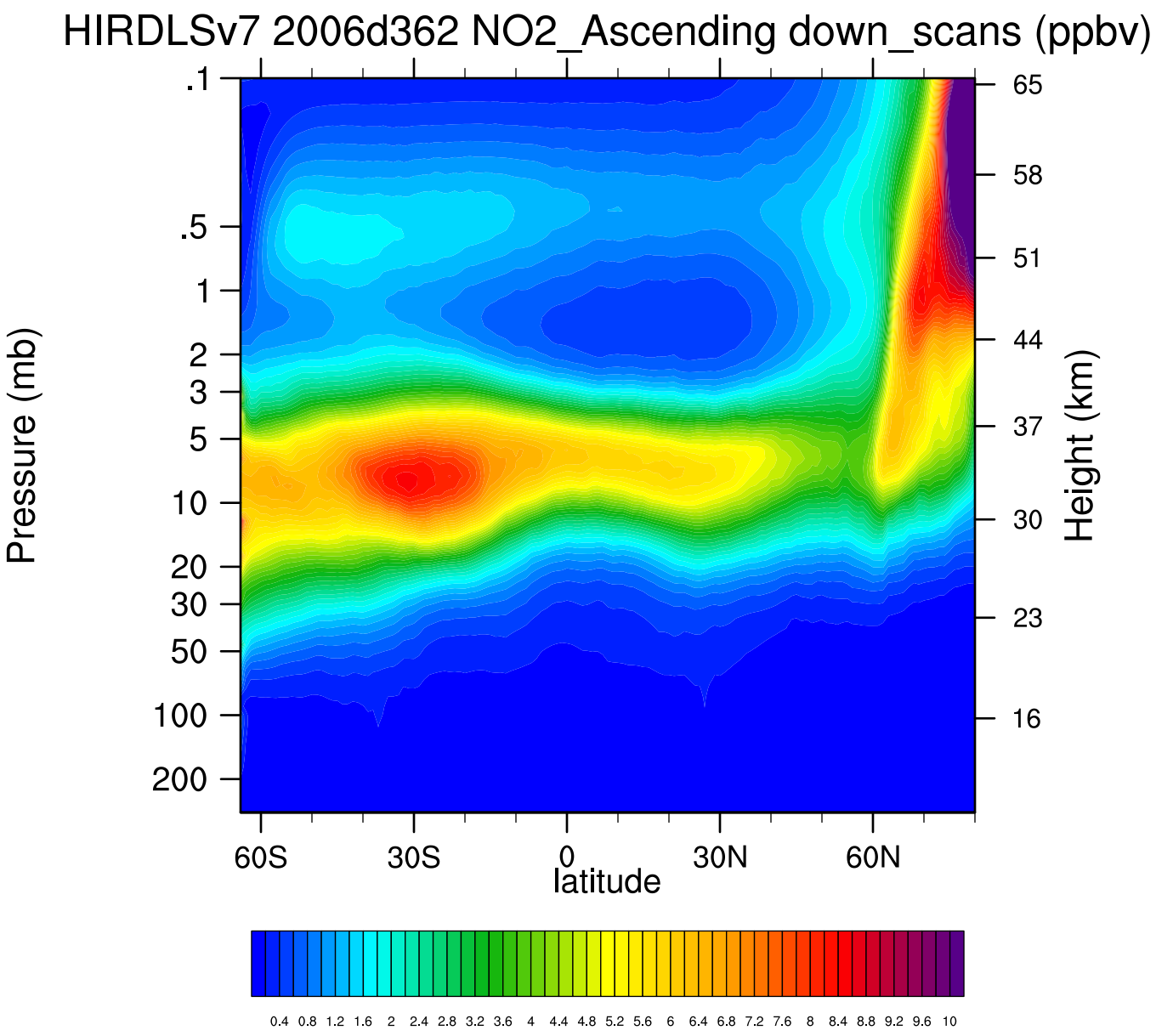

HIRDLSv7 2006d357 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

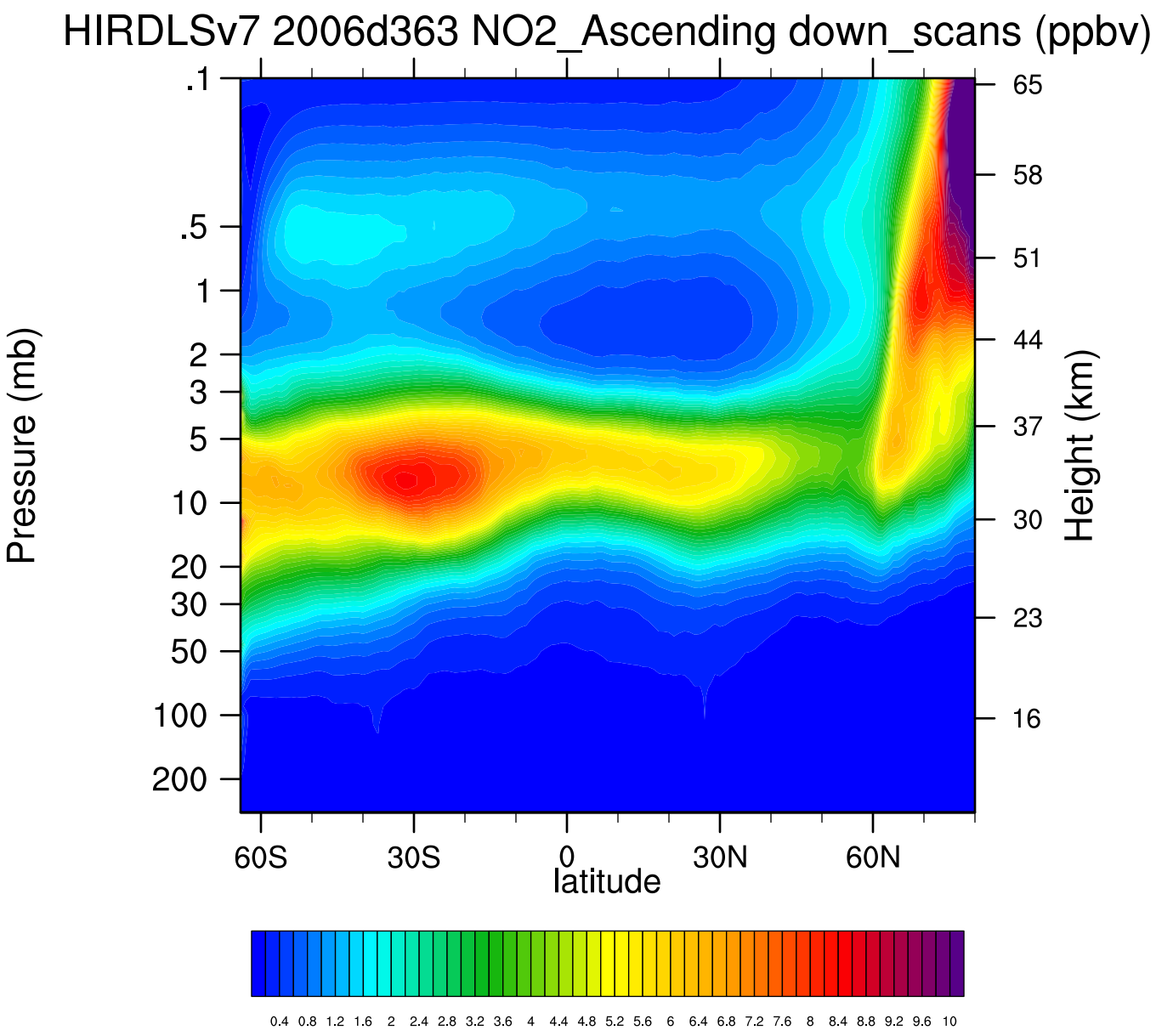

HIRDLSv7 2006d358 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

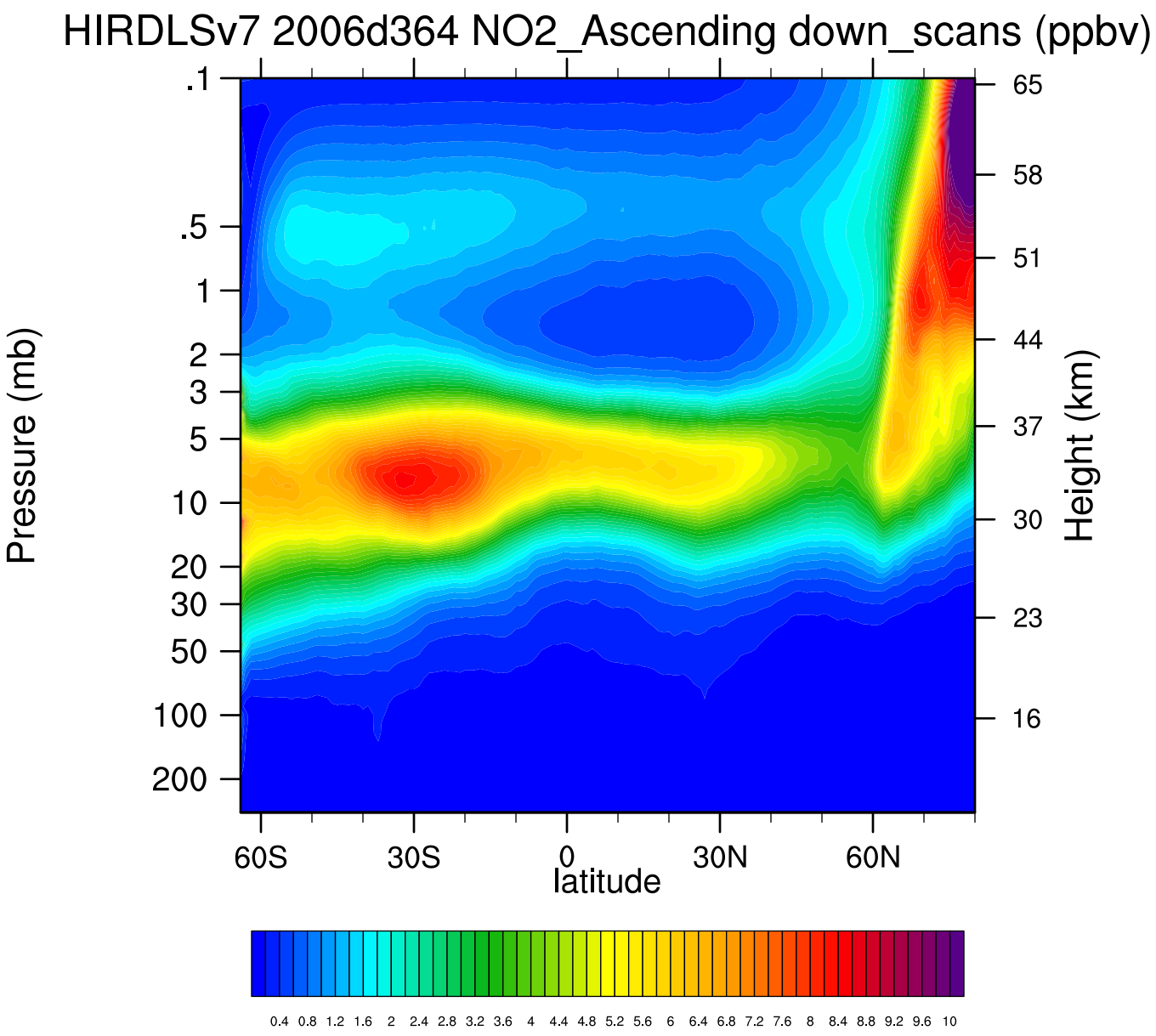

HIRDLSv7 2006d359 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

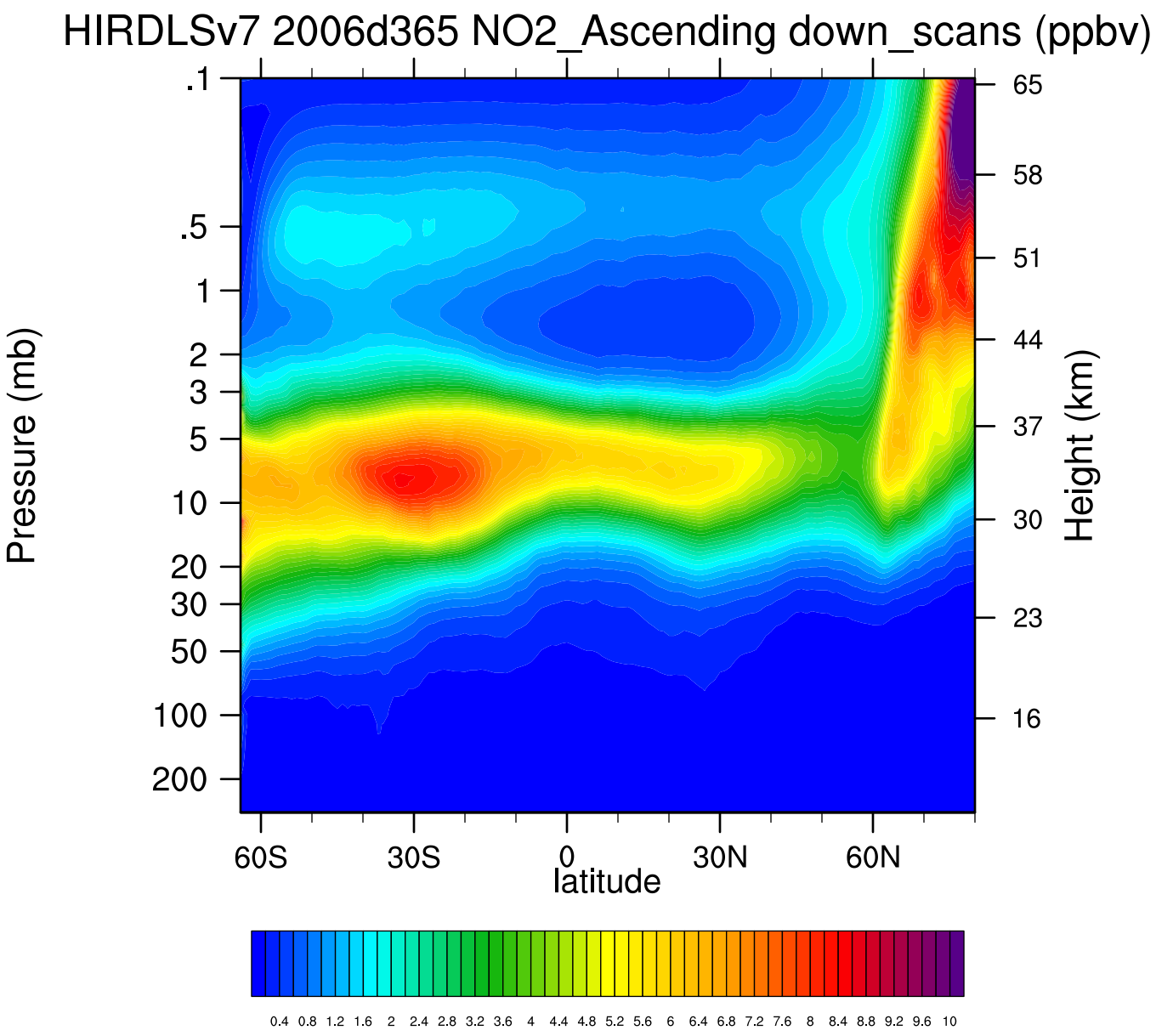

HIRDLSv7 2006d360 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

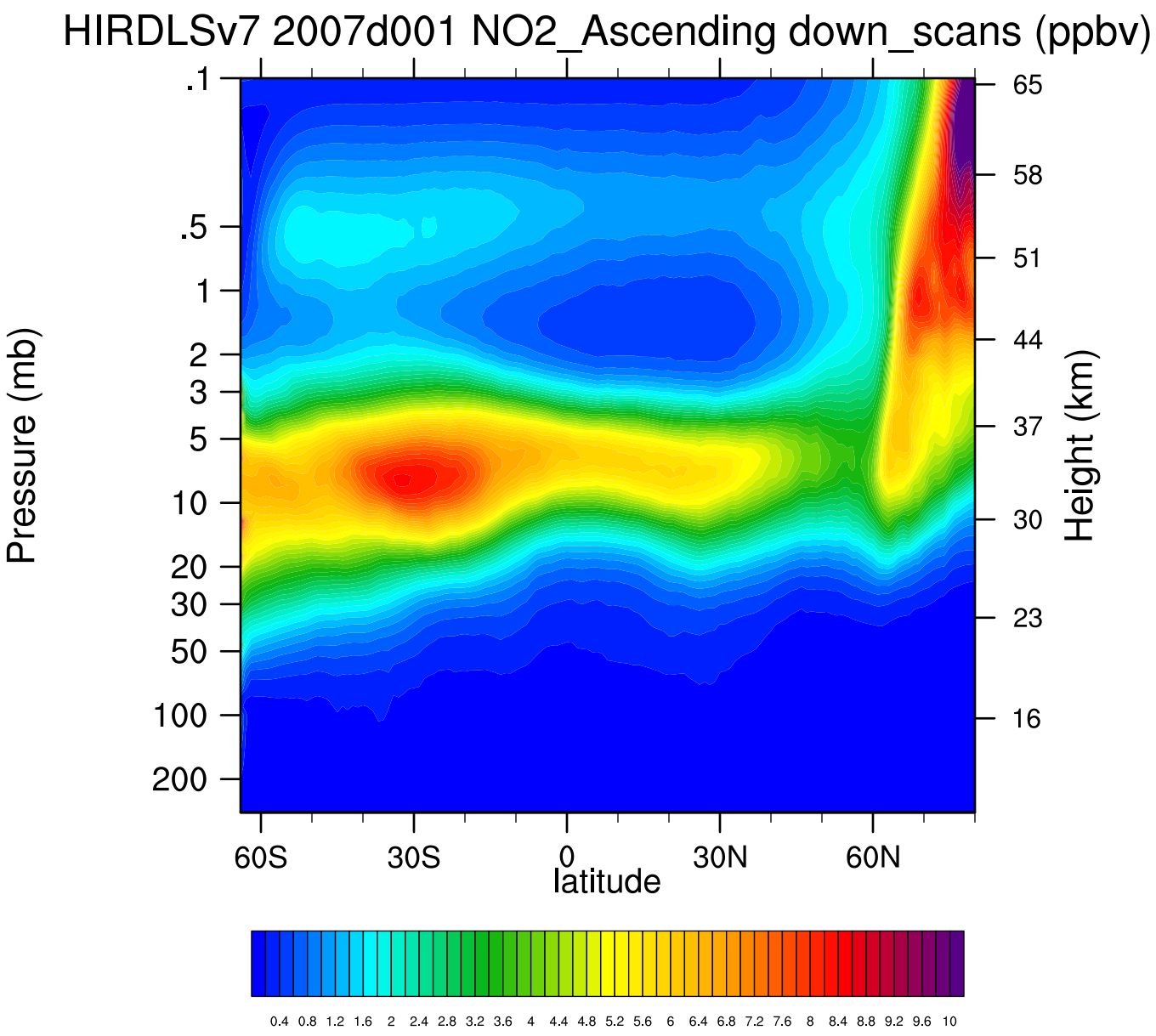

HIRDLSv7 2006d361 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

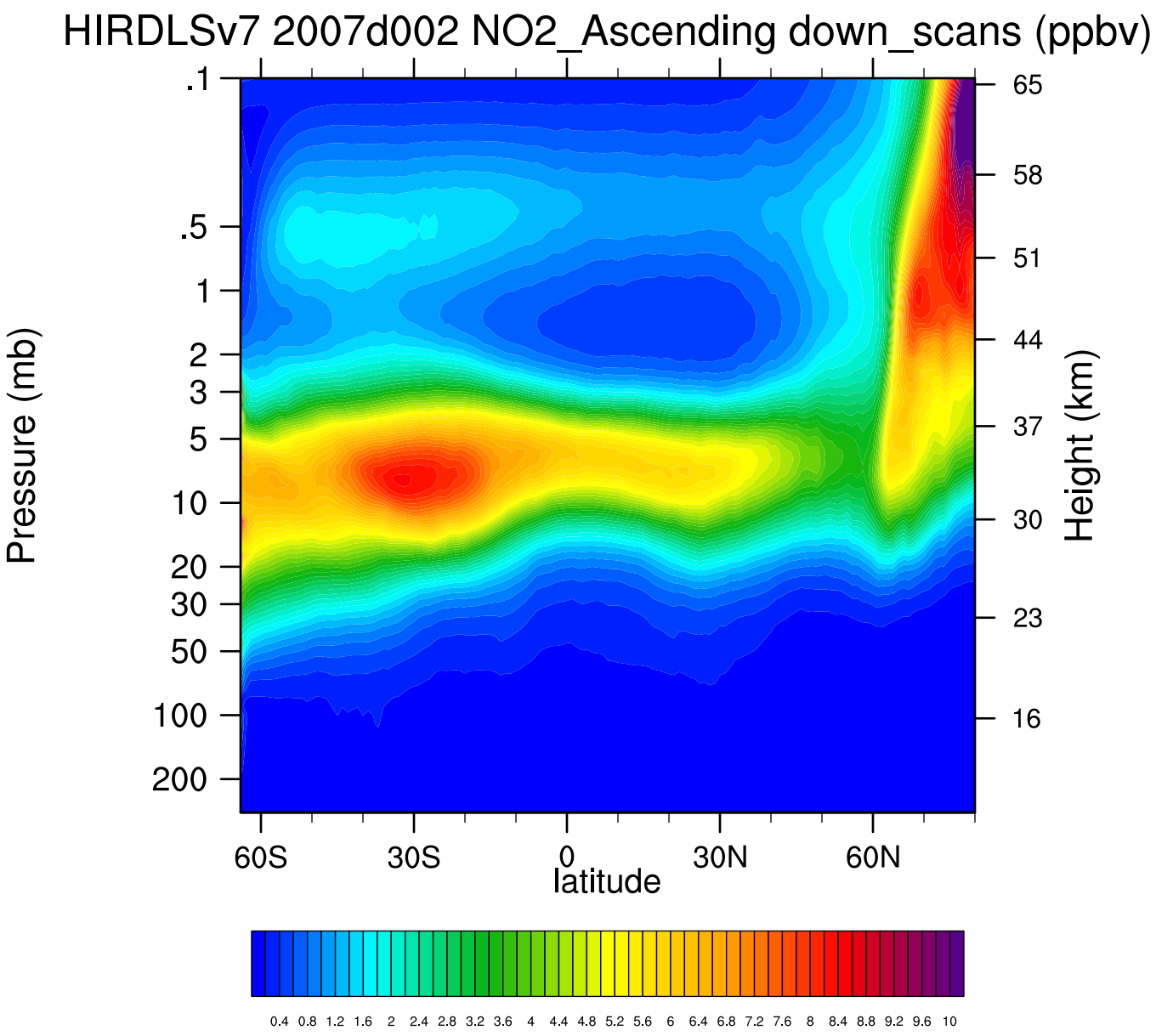

HIRDLSv7 2006d362 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

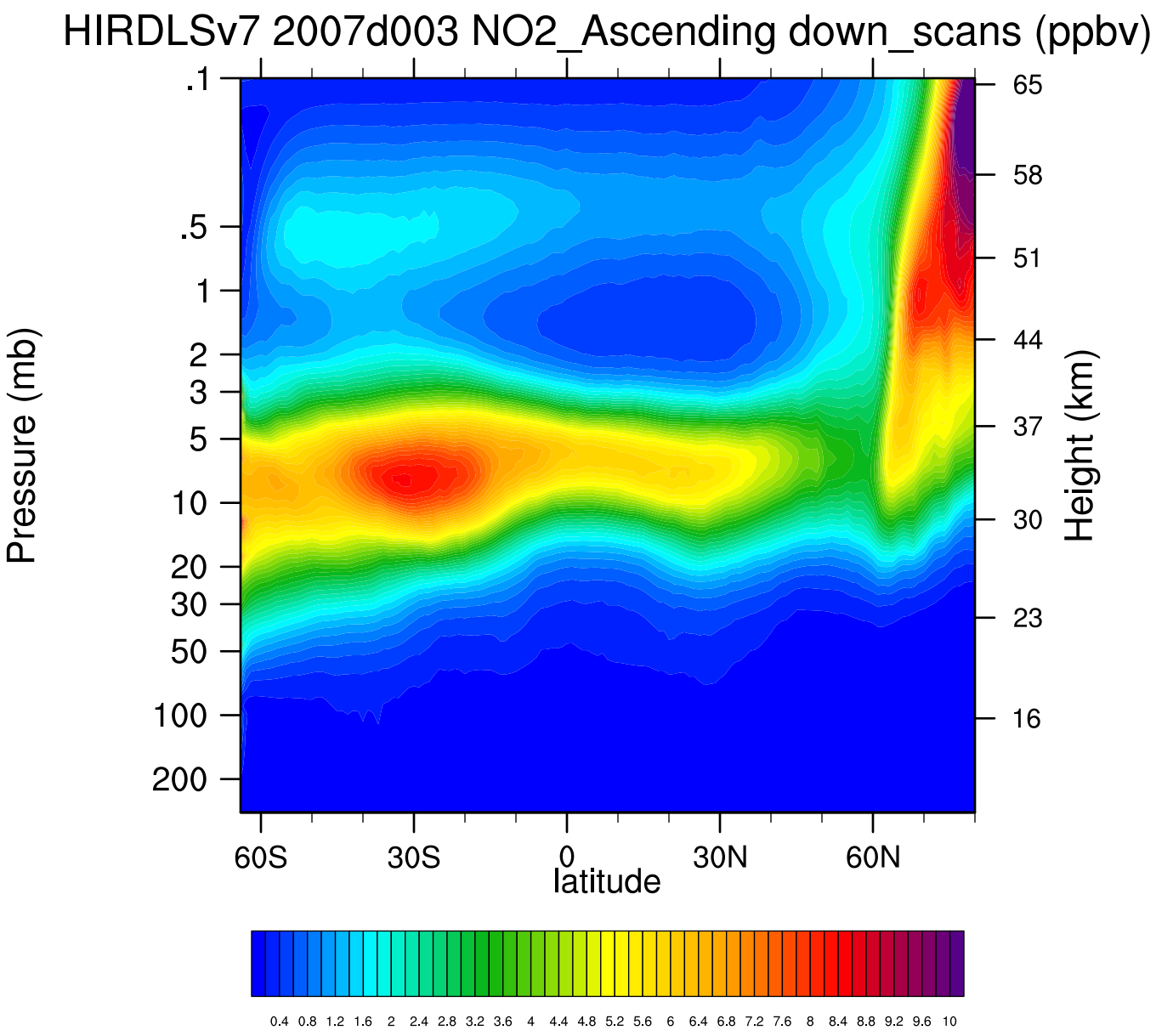

HIRDLSv7 2006d363 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

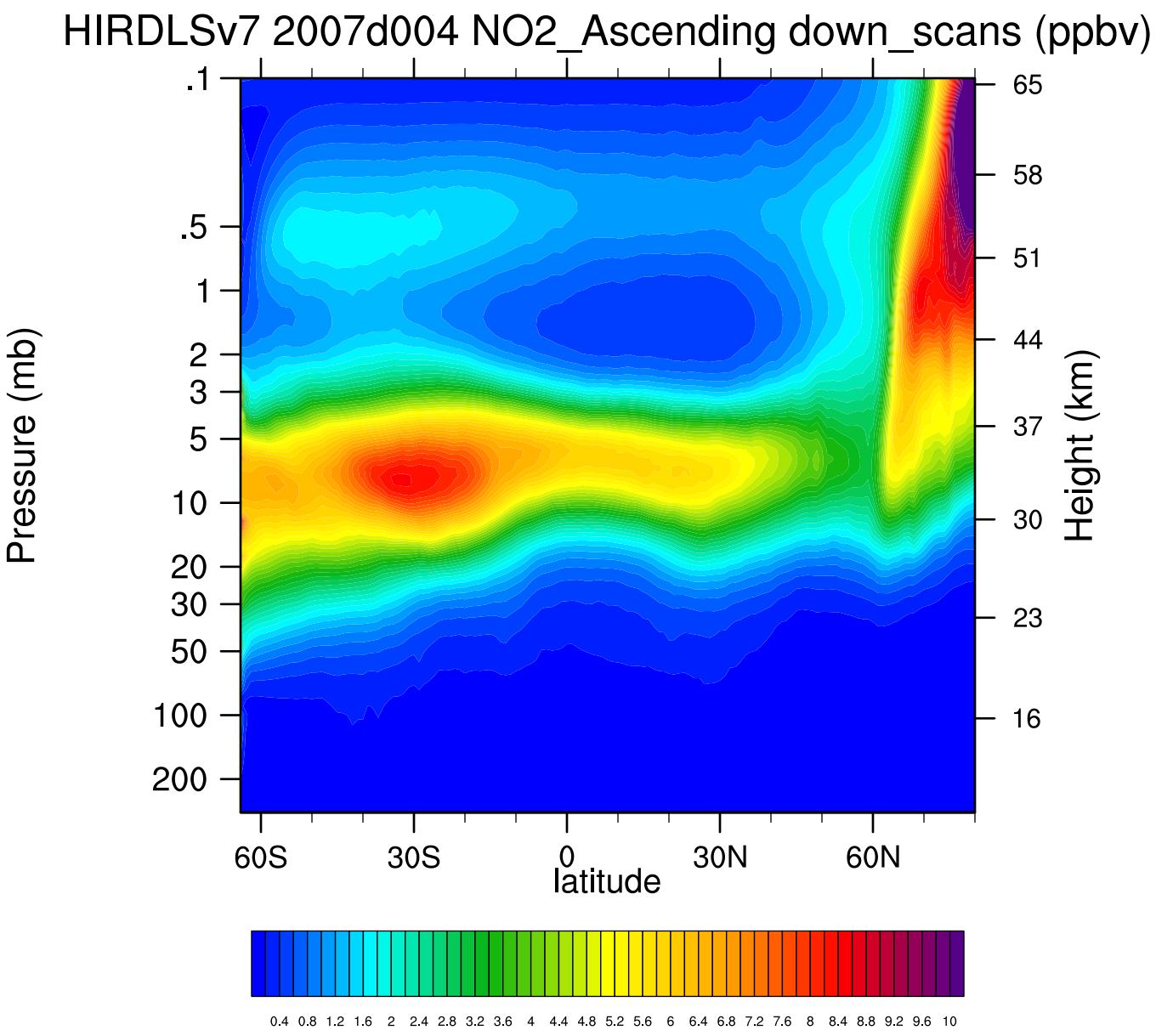

HIRDLSv7 2006d364 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

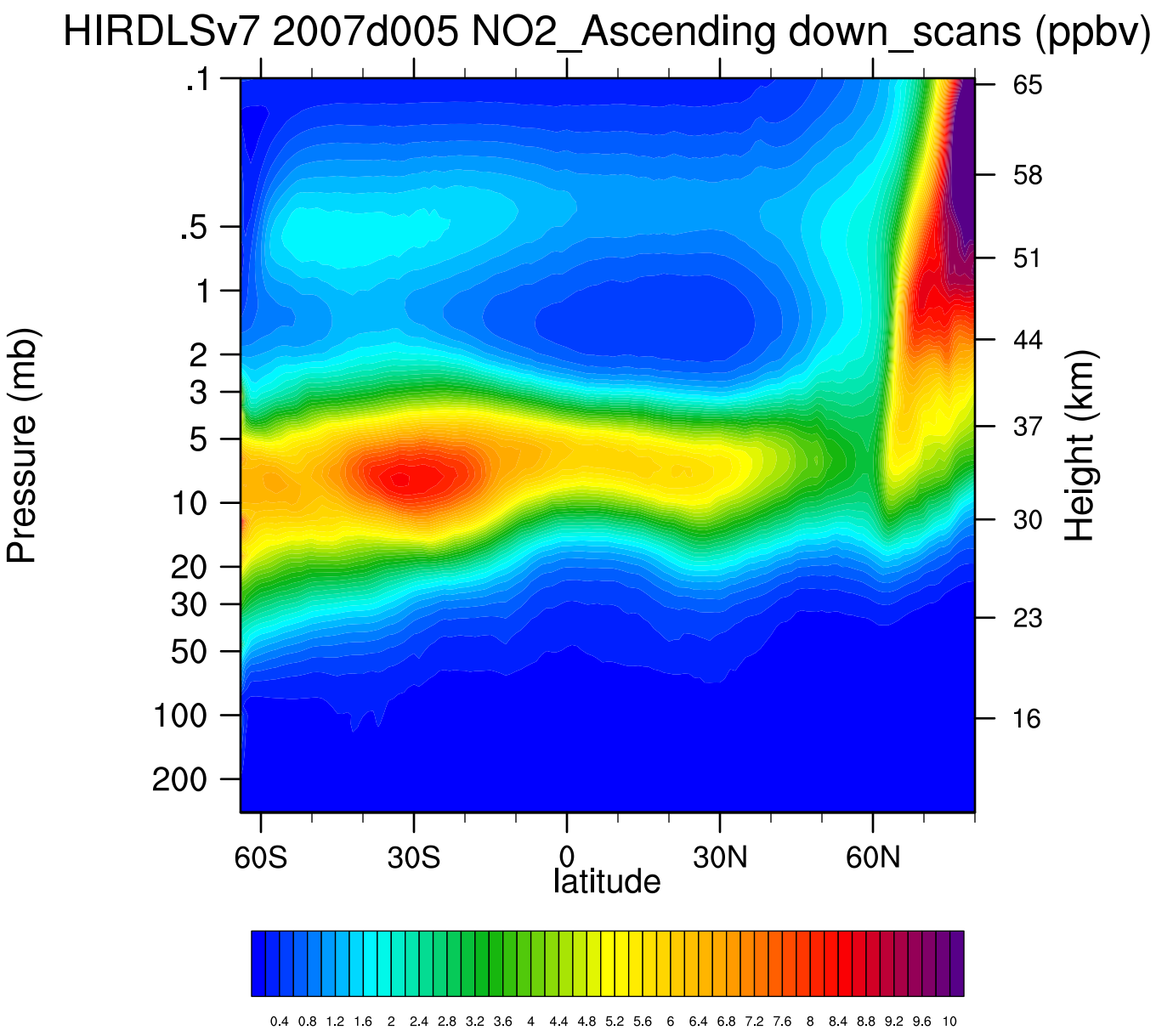

HIRDLSv7 2006d365 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

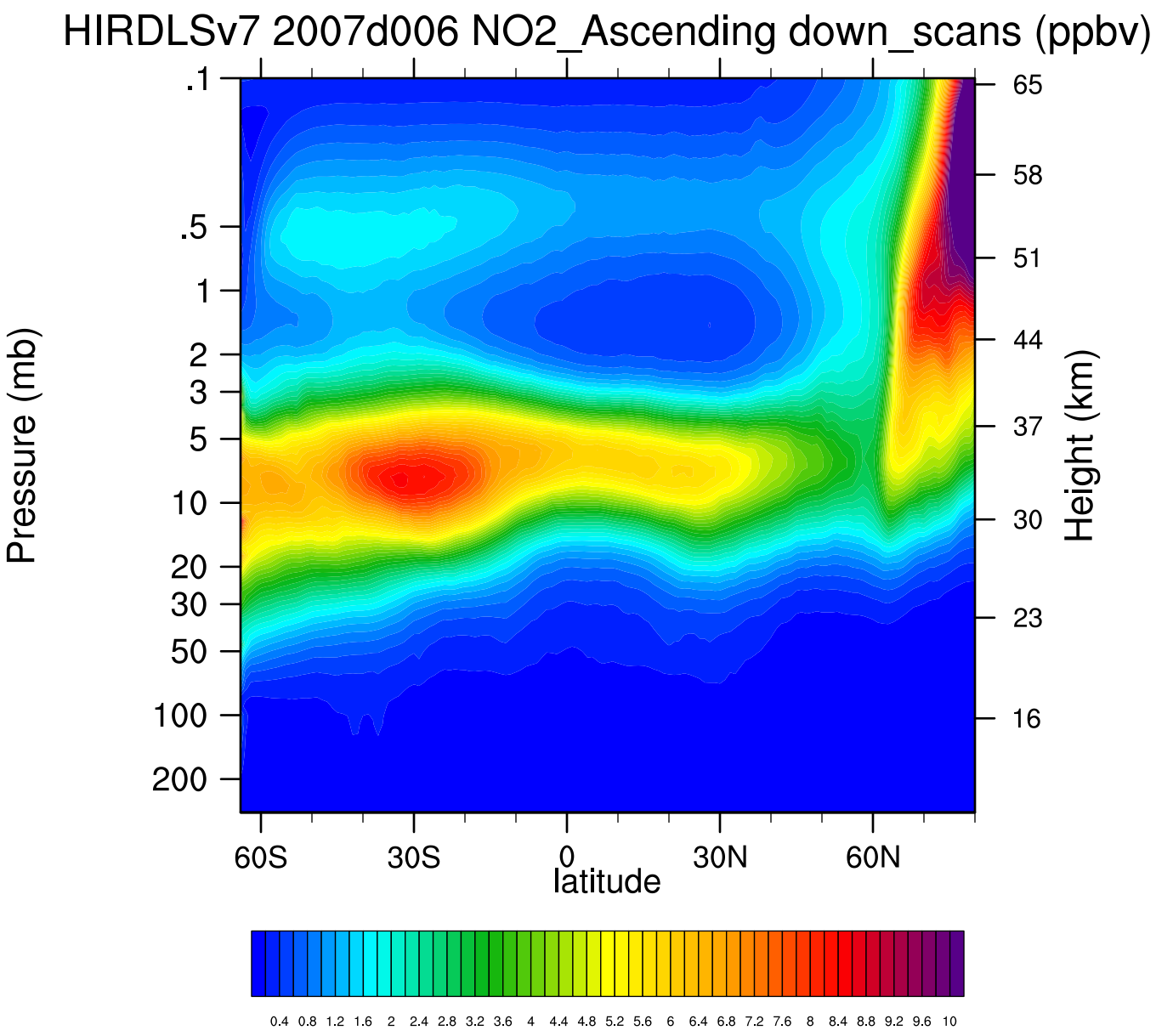

HIRDLSv7 2007d001 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

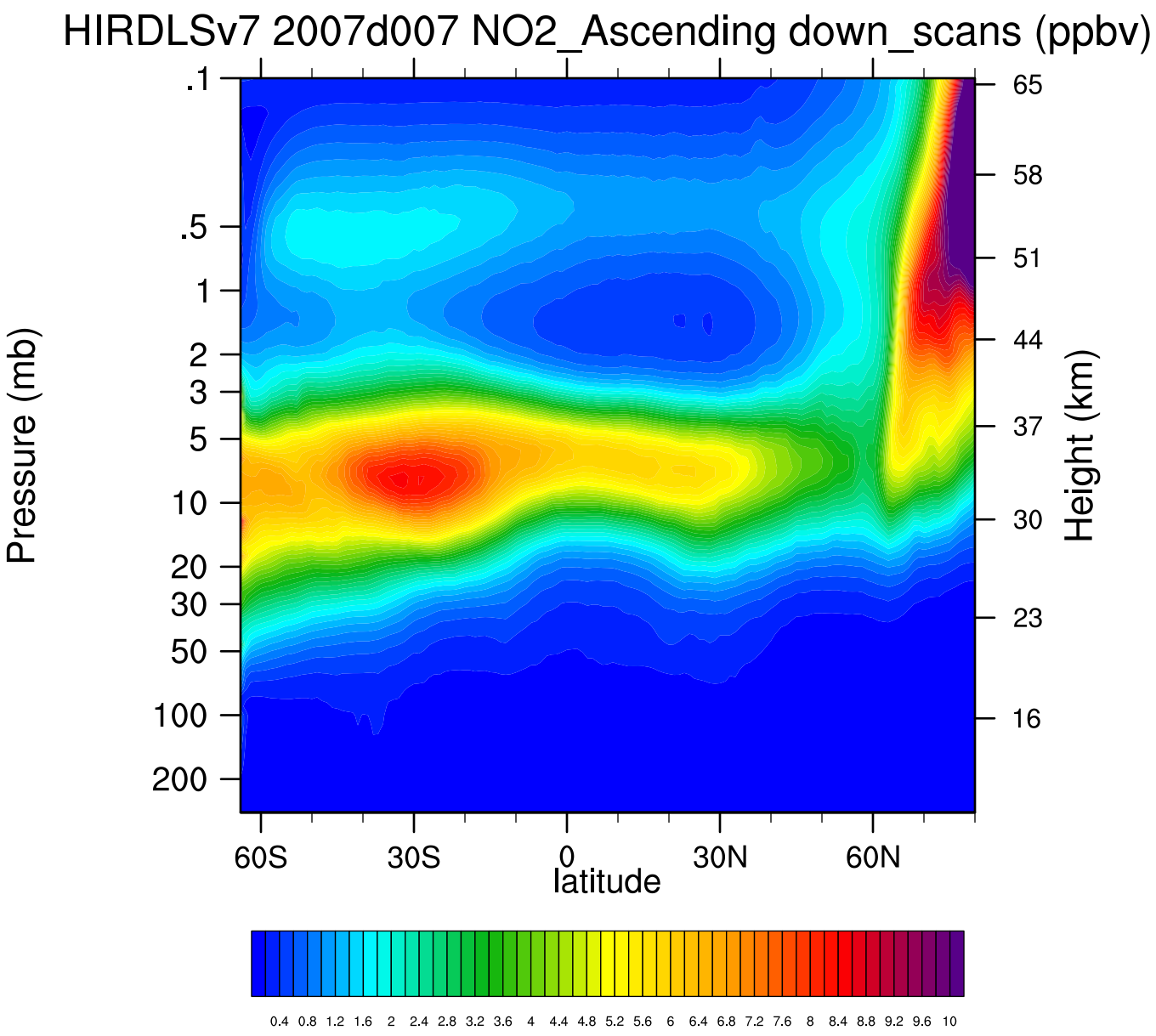

HIRDLSv7 2007d002 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

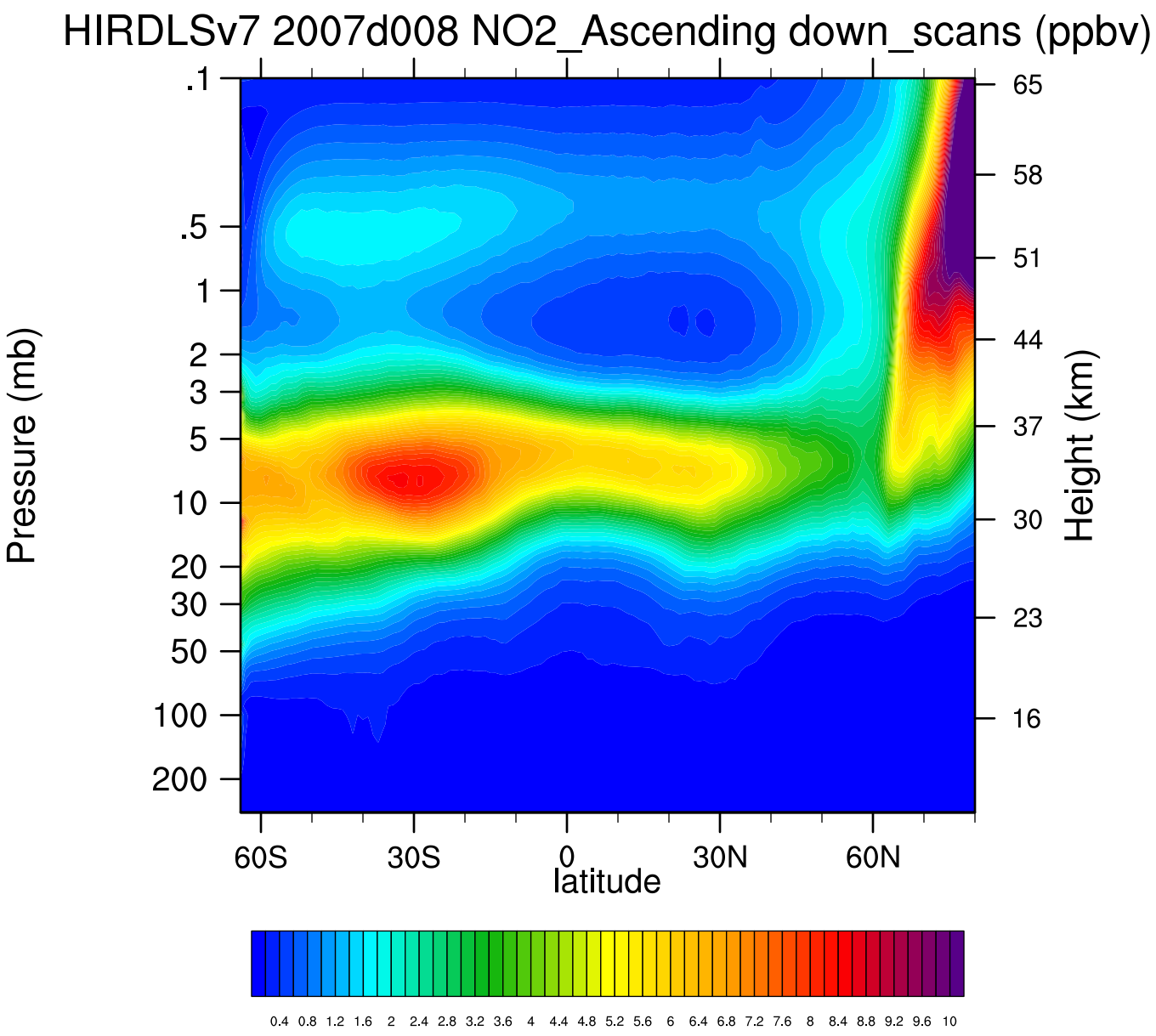

HIRDLSv7 2007d003 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

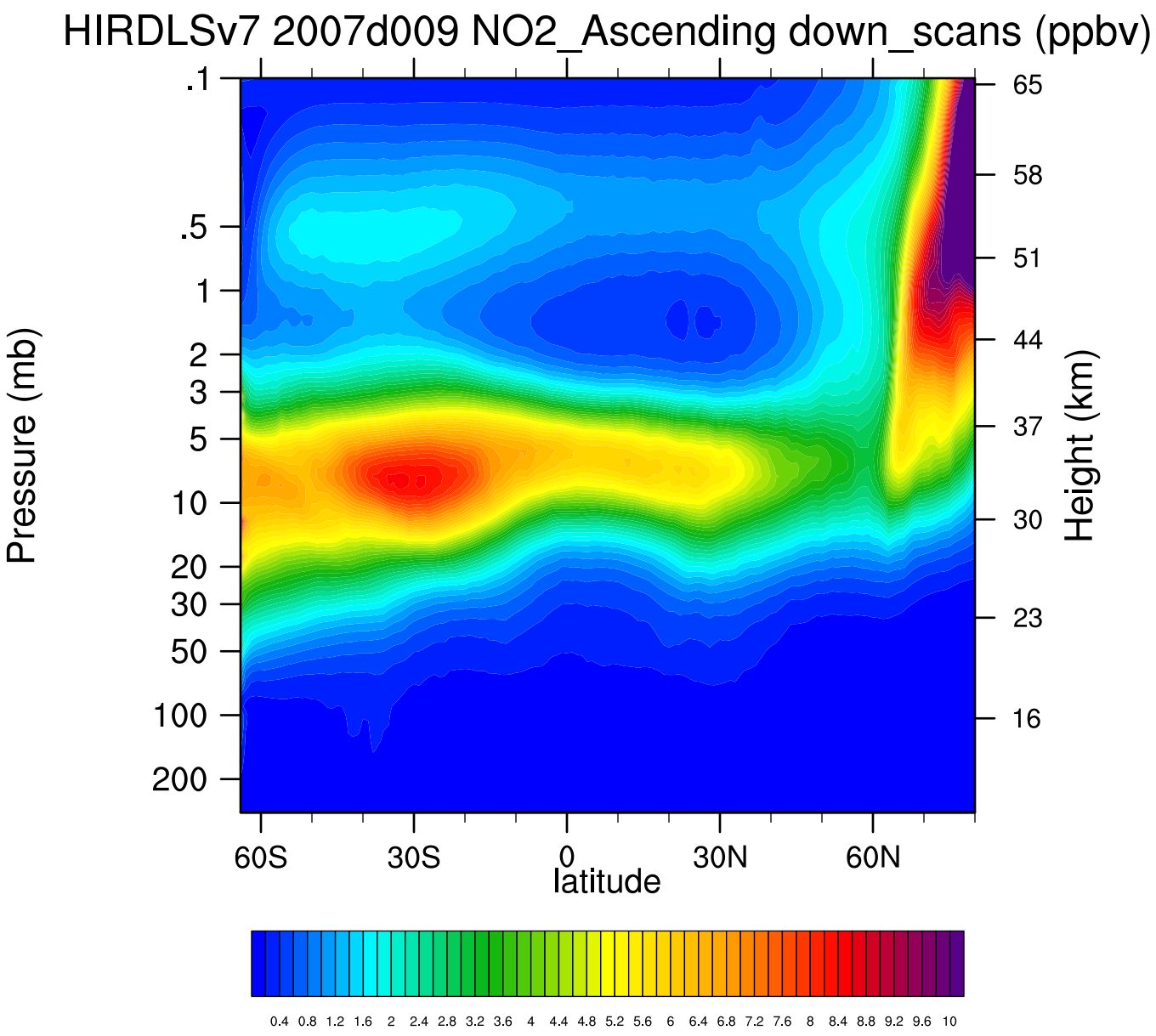

HIRDLSv7 2007d004 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

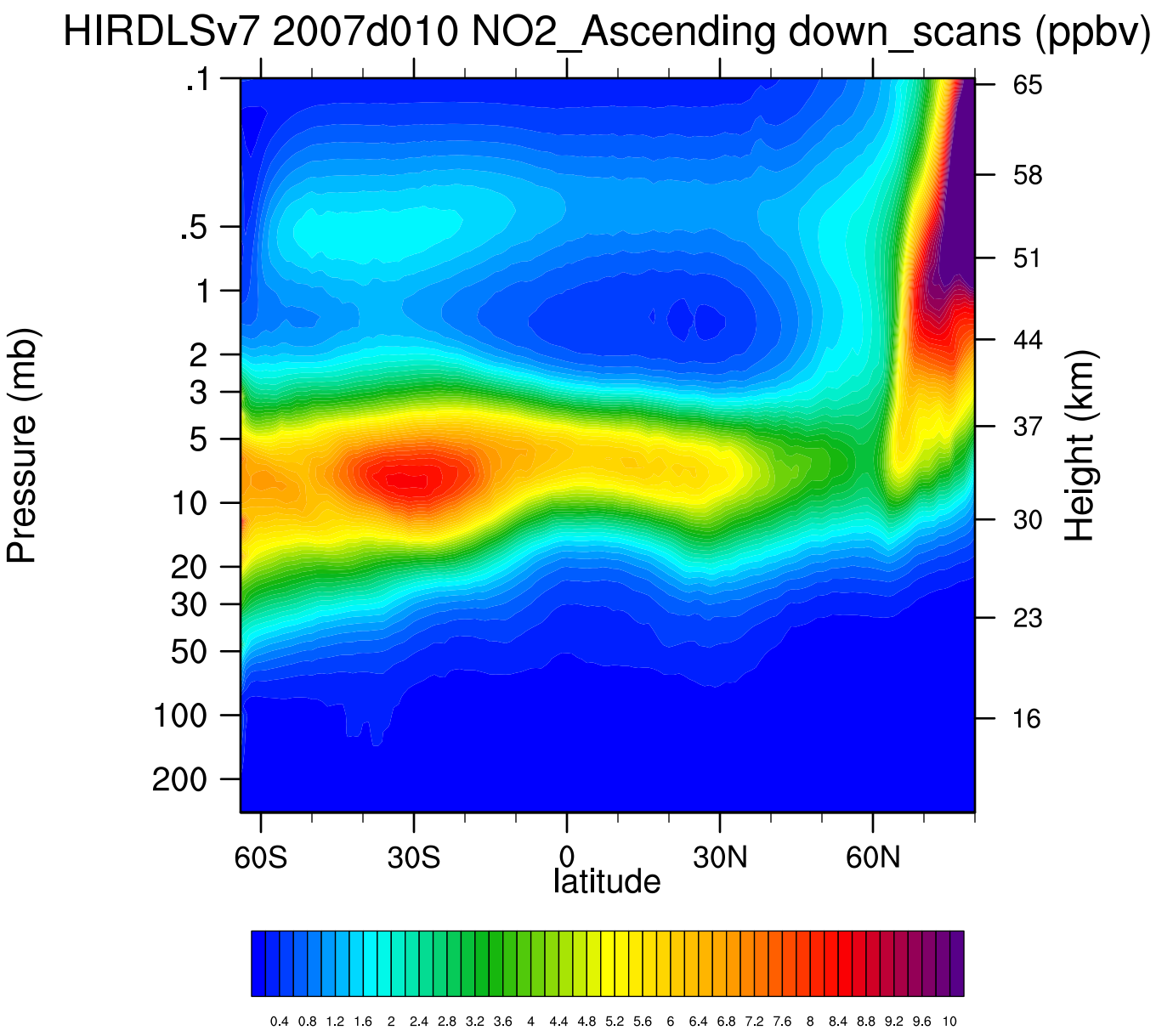

HIRDLSv7 2007d005 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

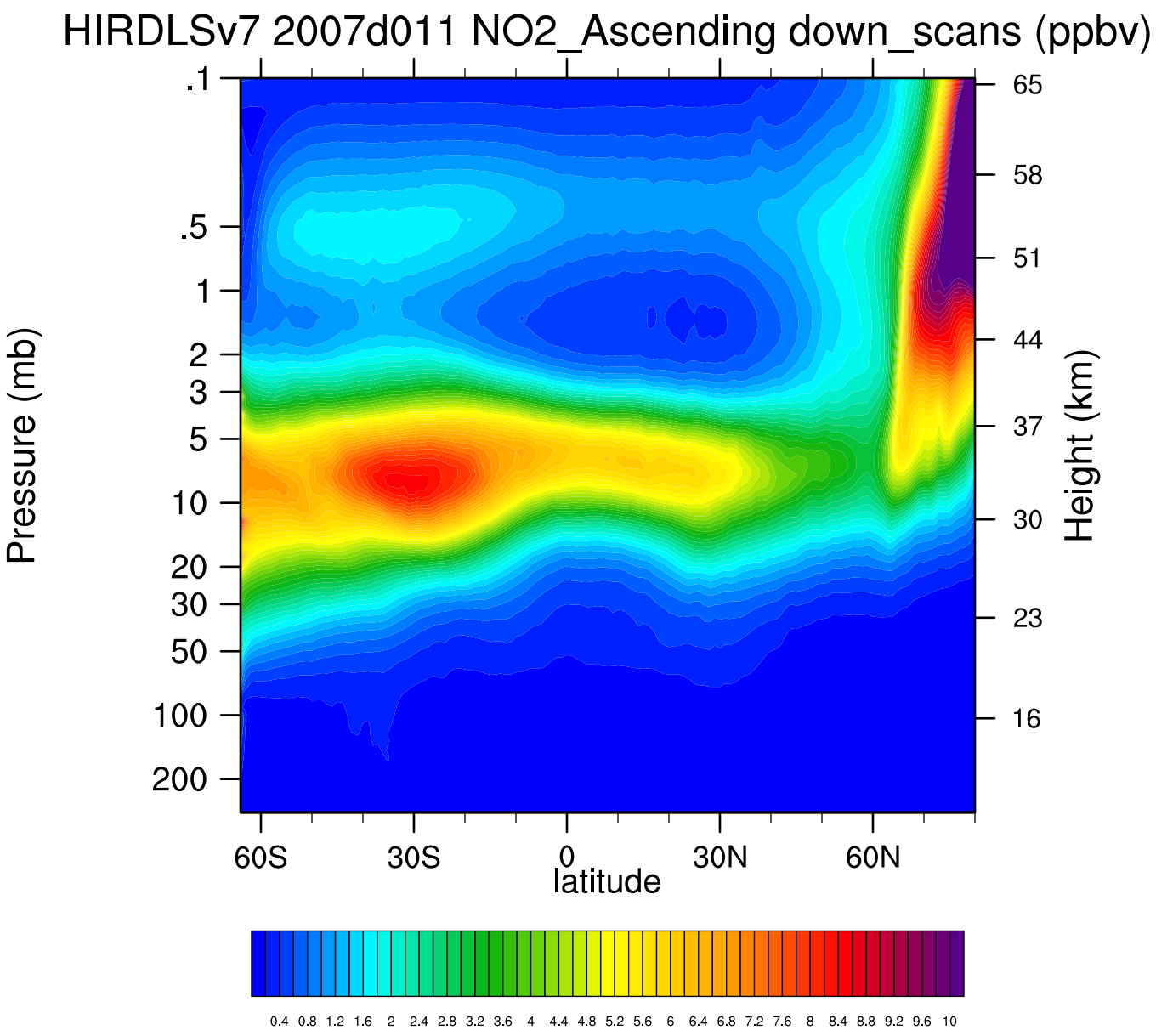

HIRDLSv7 2007d006 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

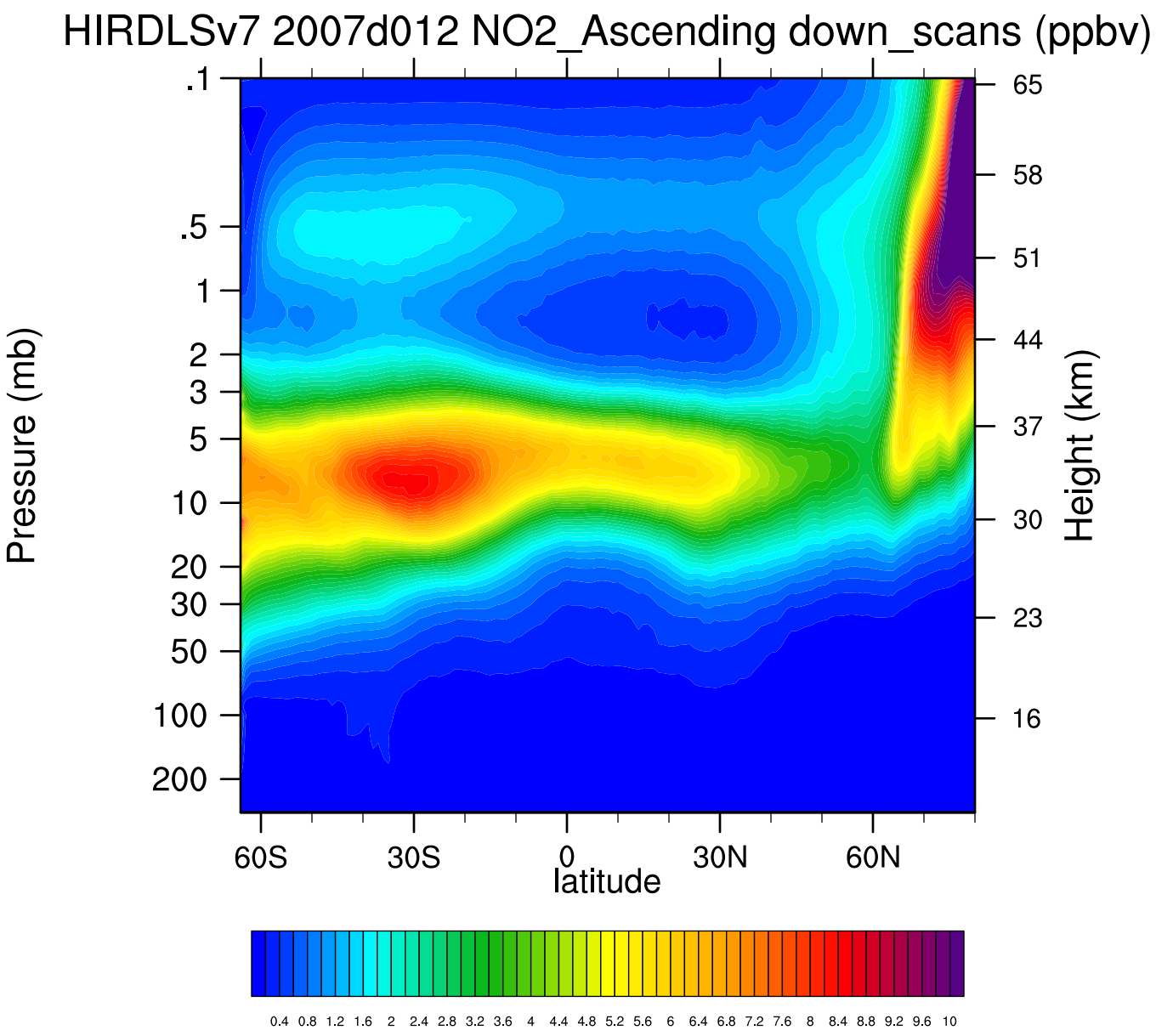

HIRDLSv7 2007d007 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

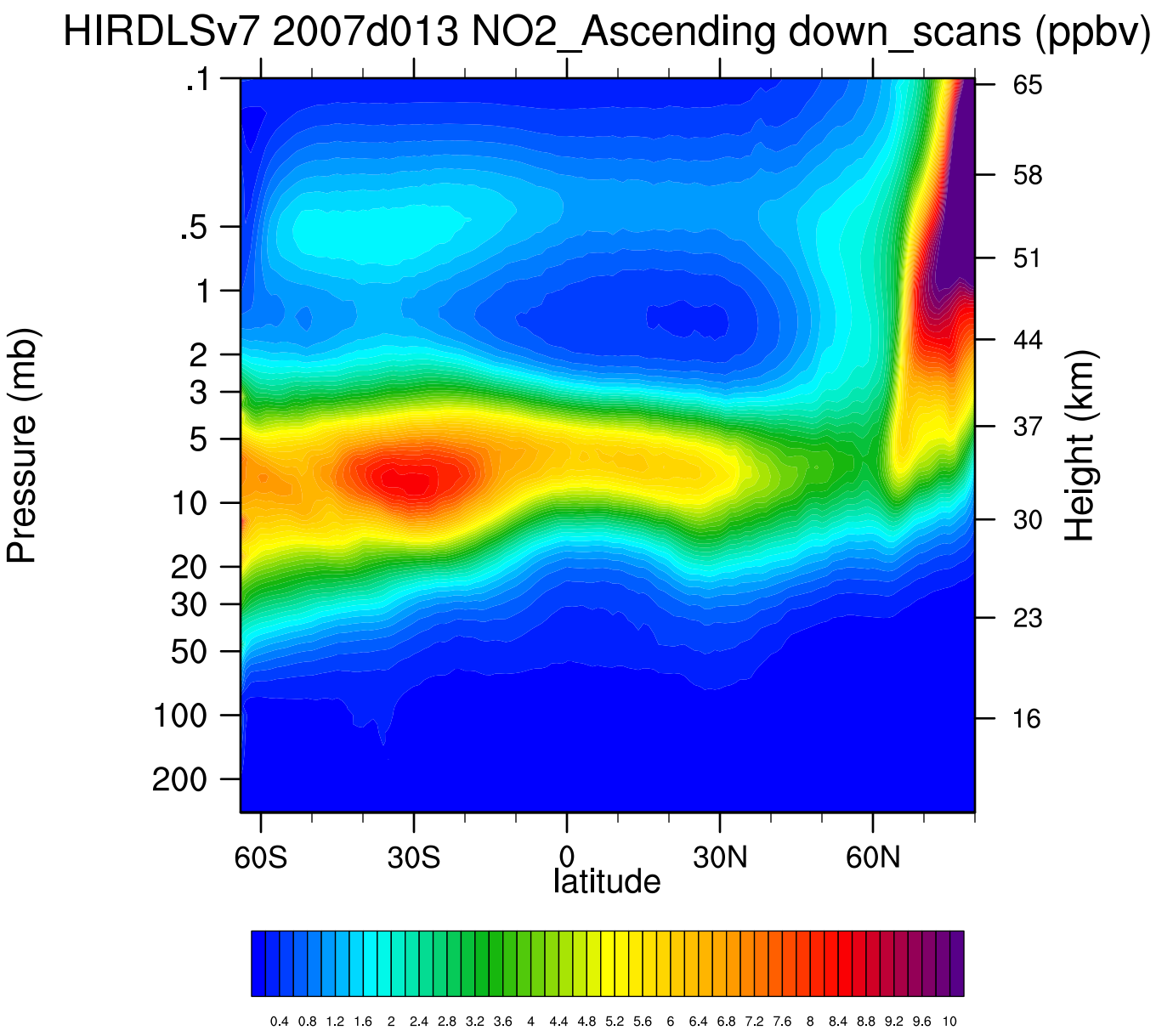

HIRDLSv7 2007d008 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

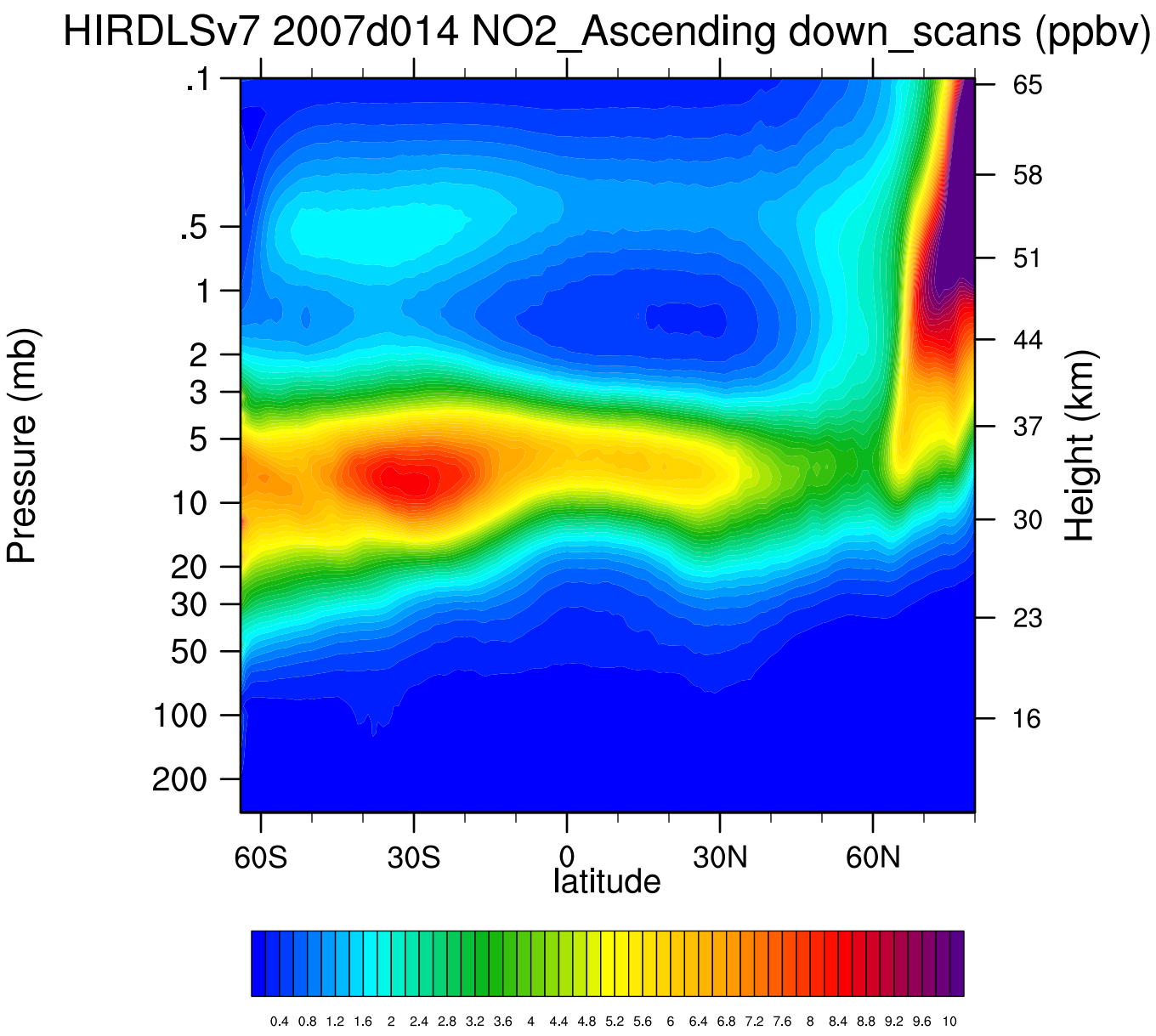

HIRDLSv7 2007d009 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

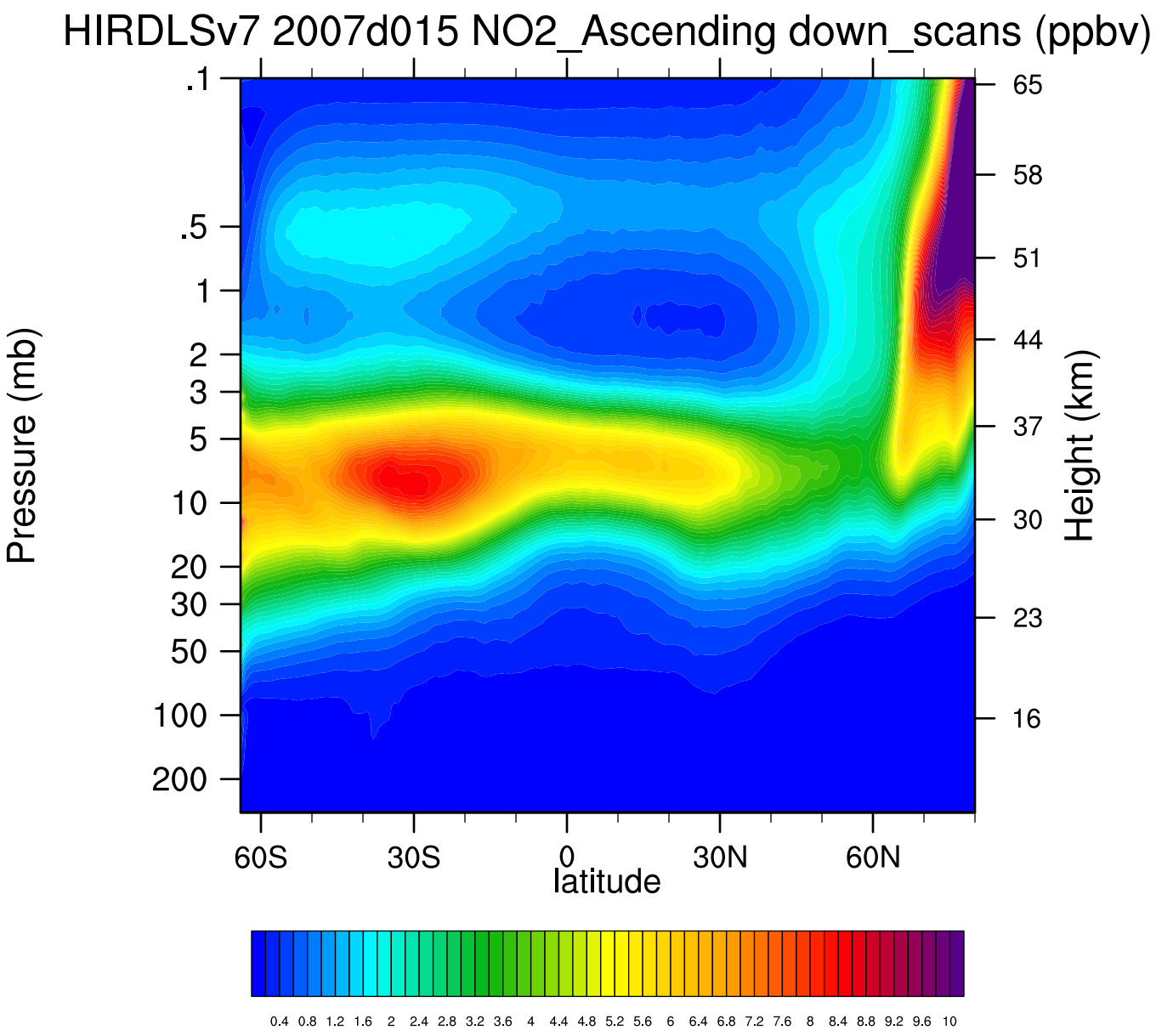

HIRDLSv7 2007d010 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

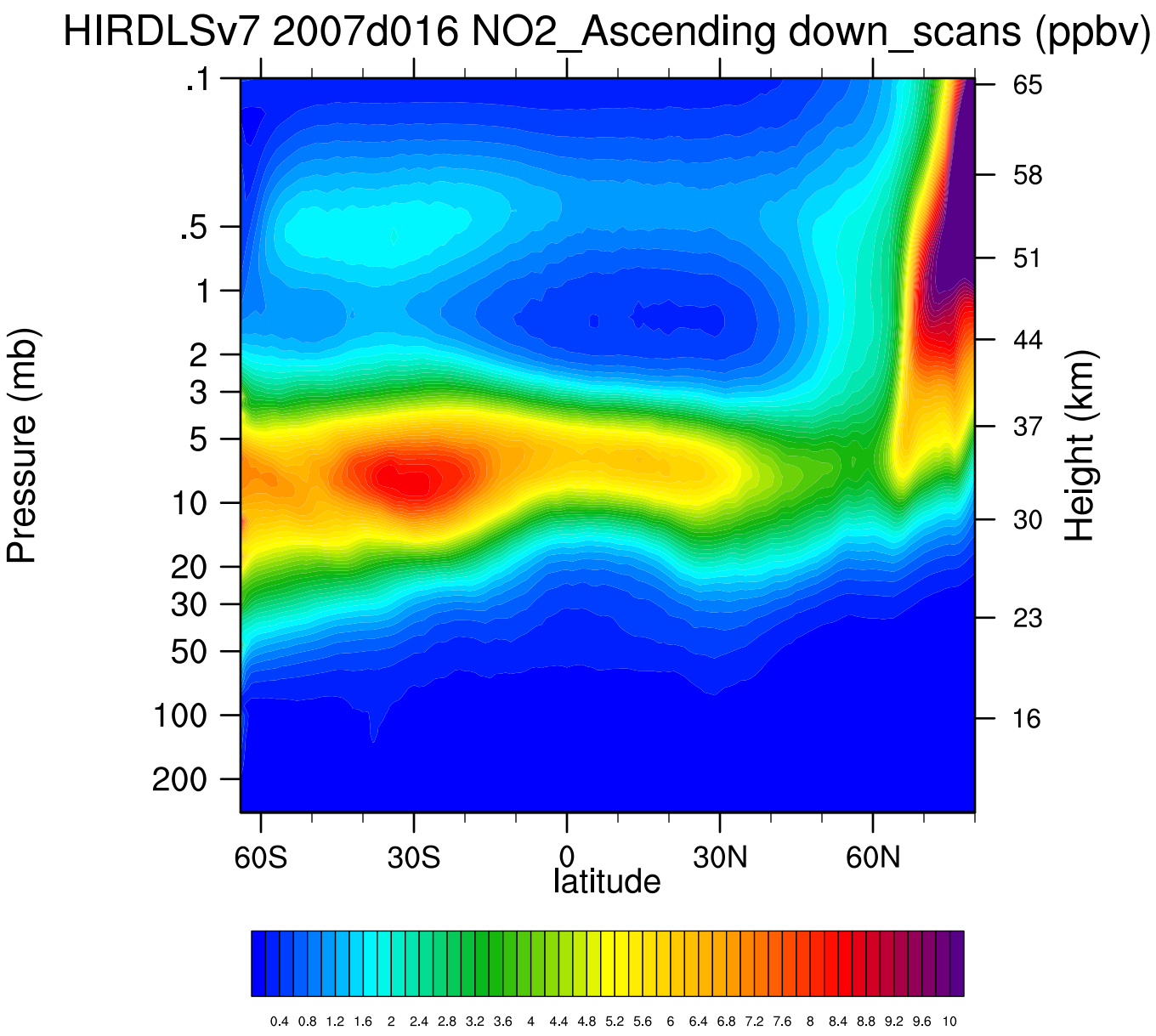

HIRDLSv7 2007d011 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

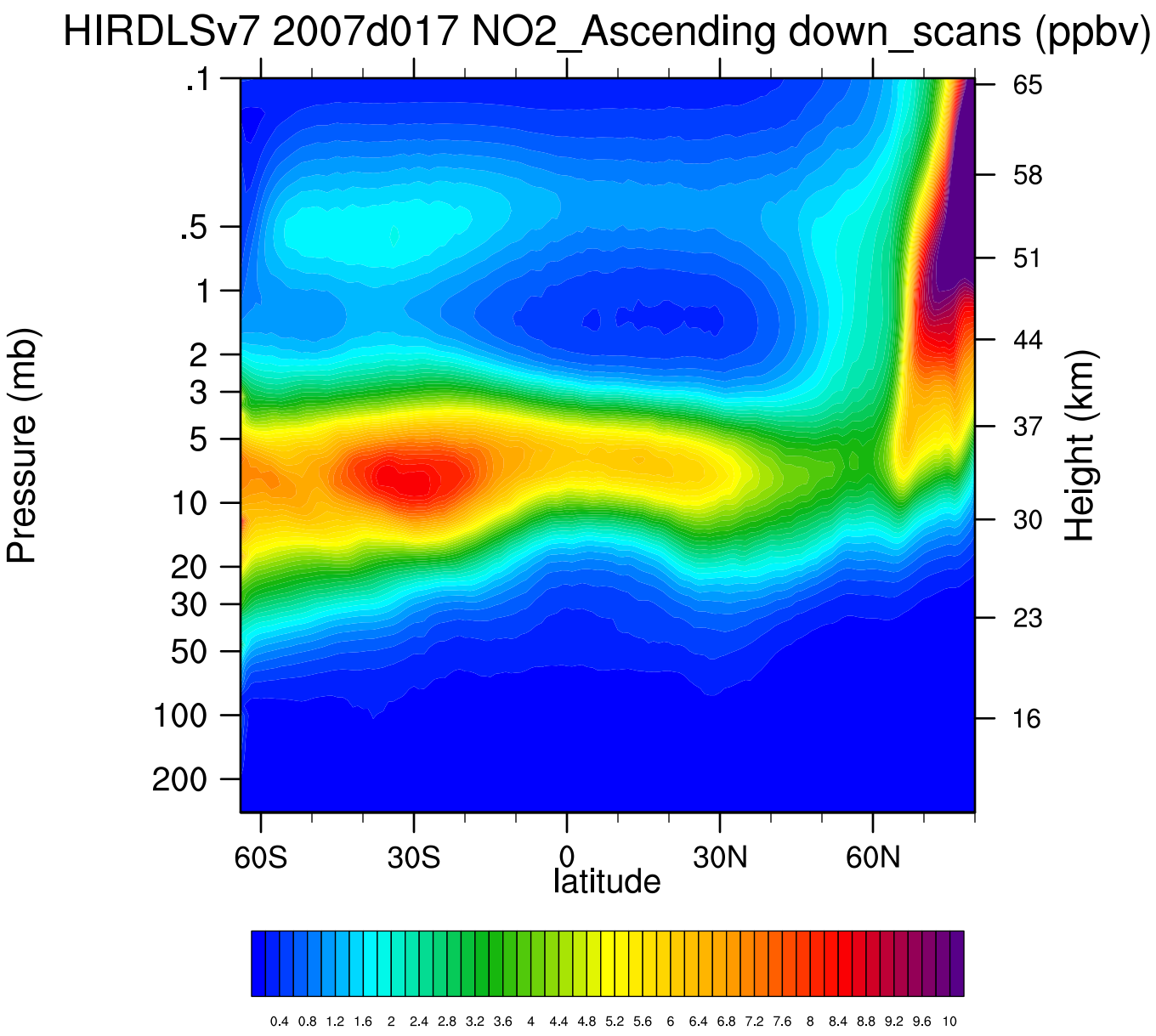

HIRDLSv7 2007d012 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

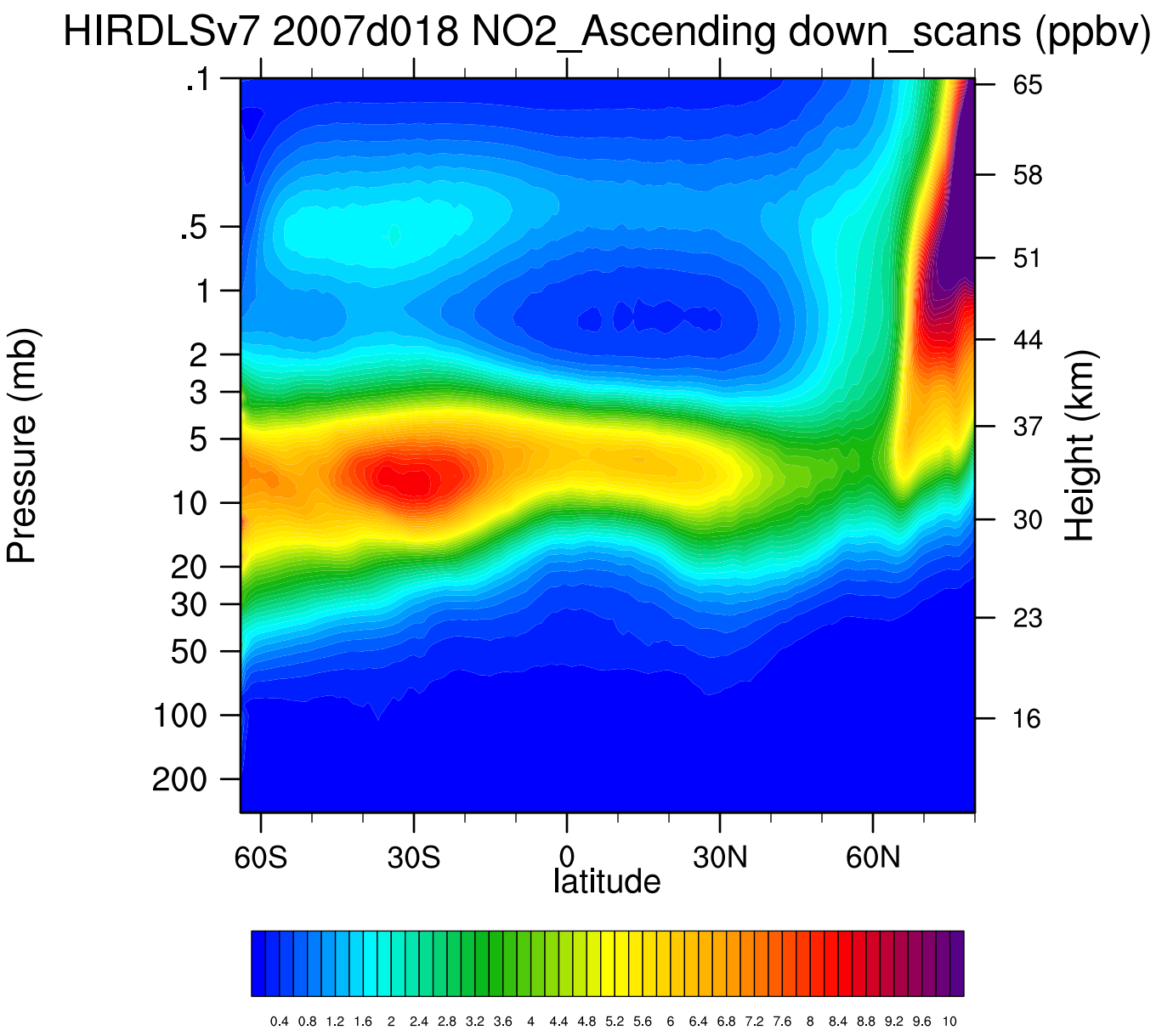

HIRDLSv7 2007d013 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

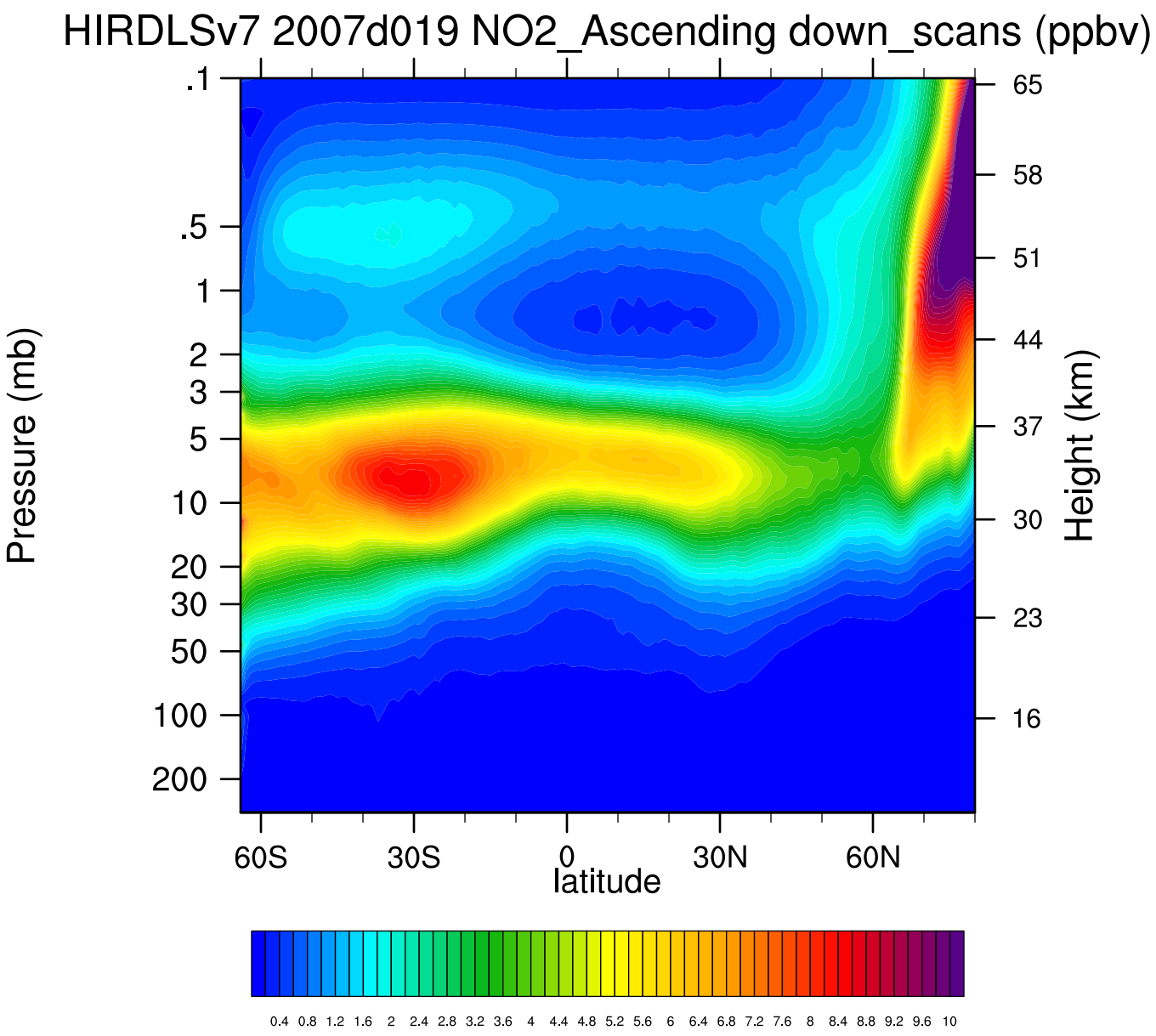

HIRDLSv7 2007d014 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

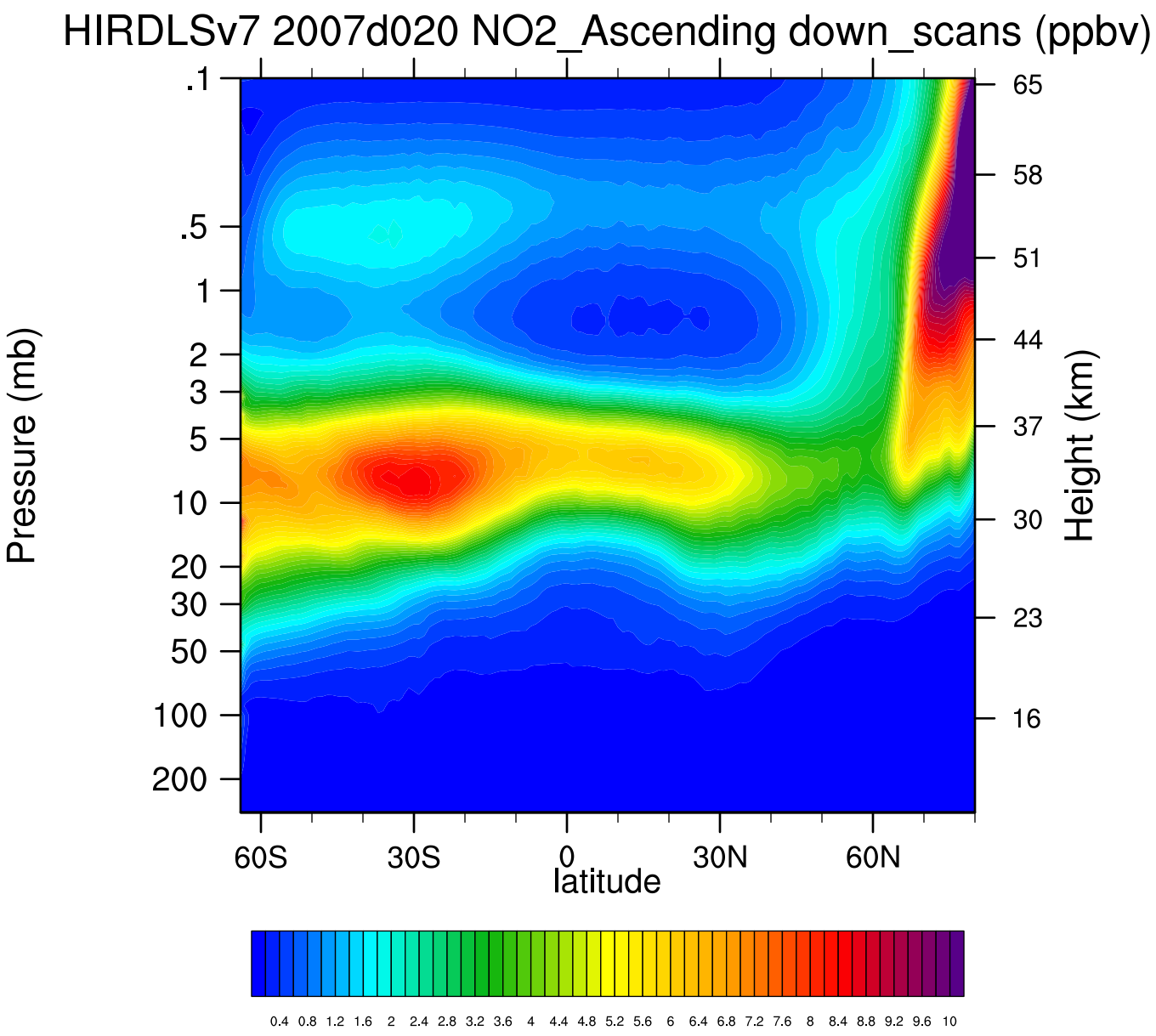

HIRDLSv7 2007d015 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

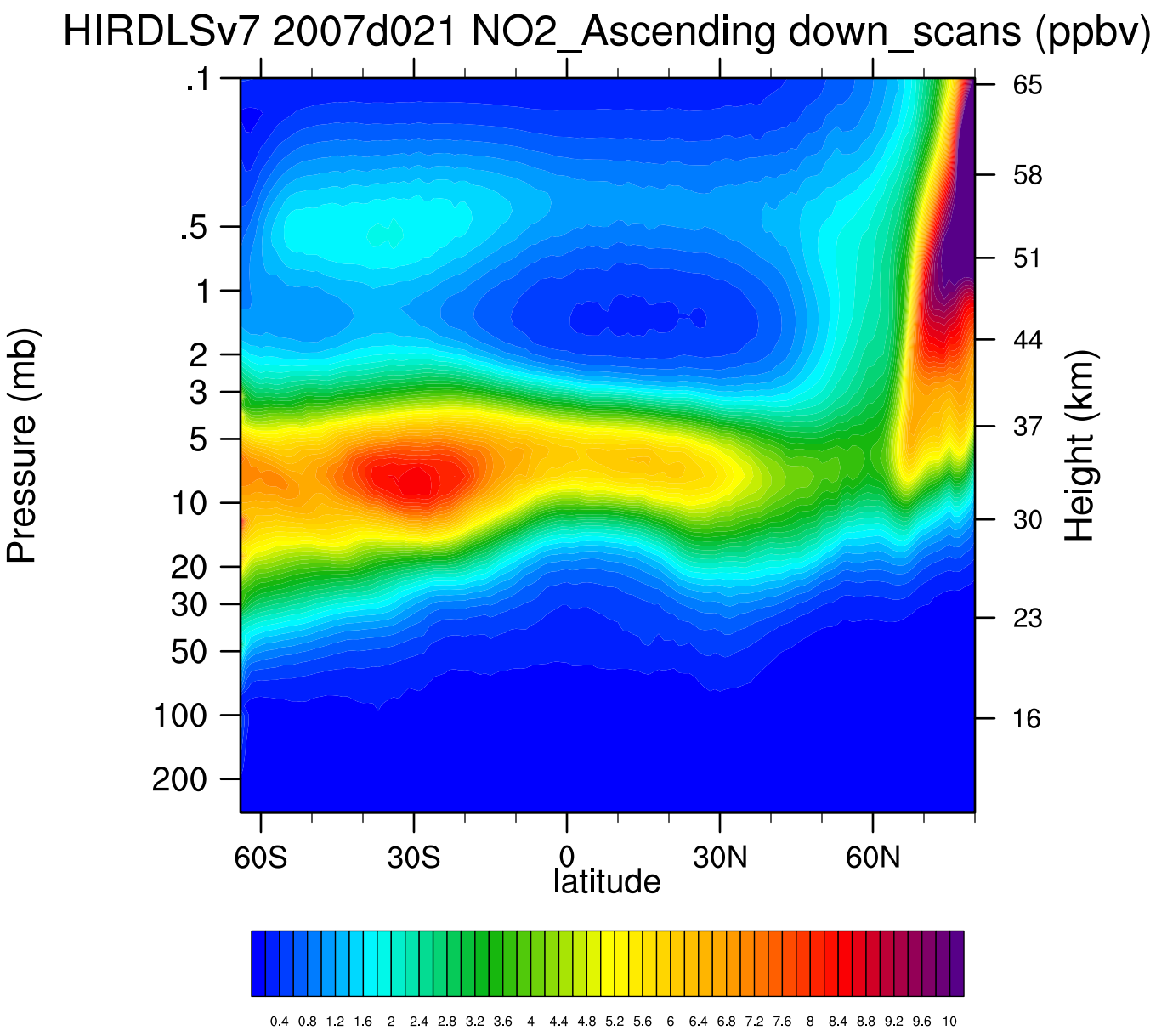

HIRDLSv7 2007d016 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

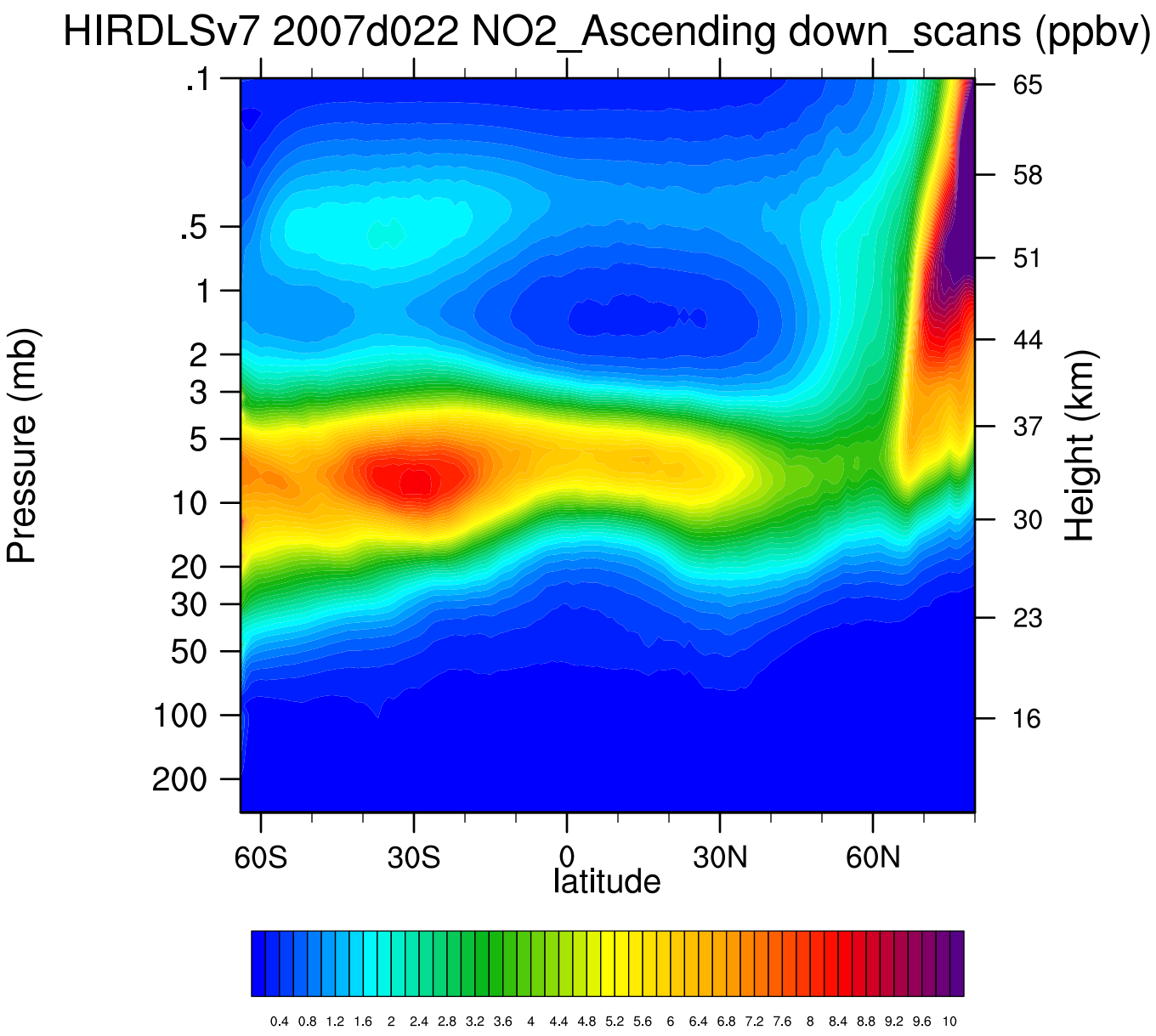

HIRDLSv7 2007d017 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

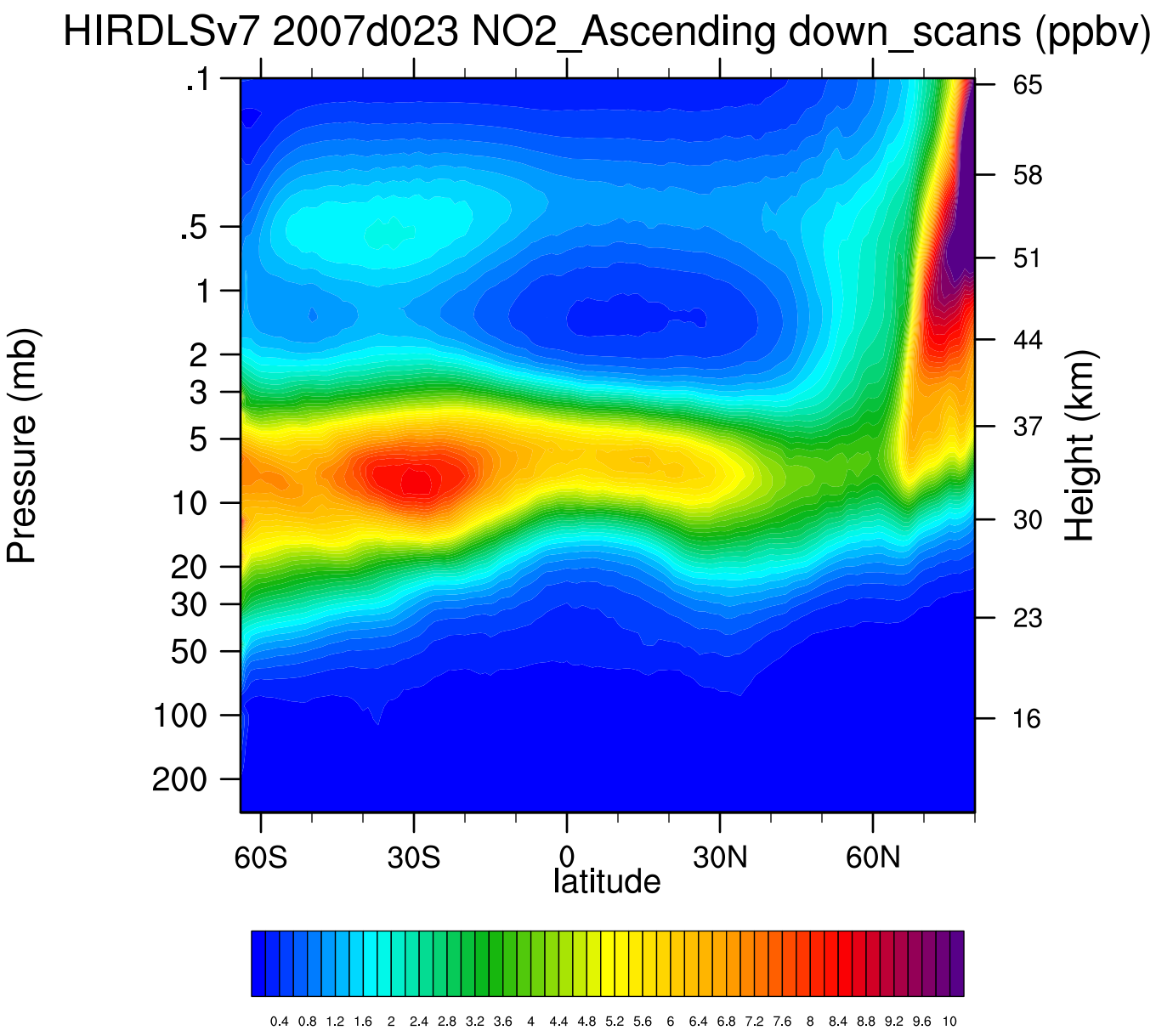

HIRDLSv7 2007d018 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

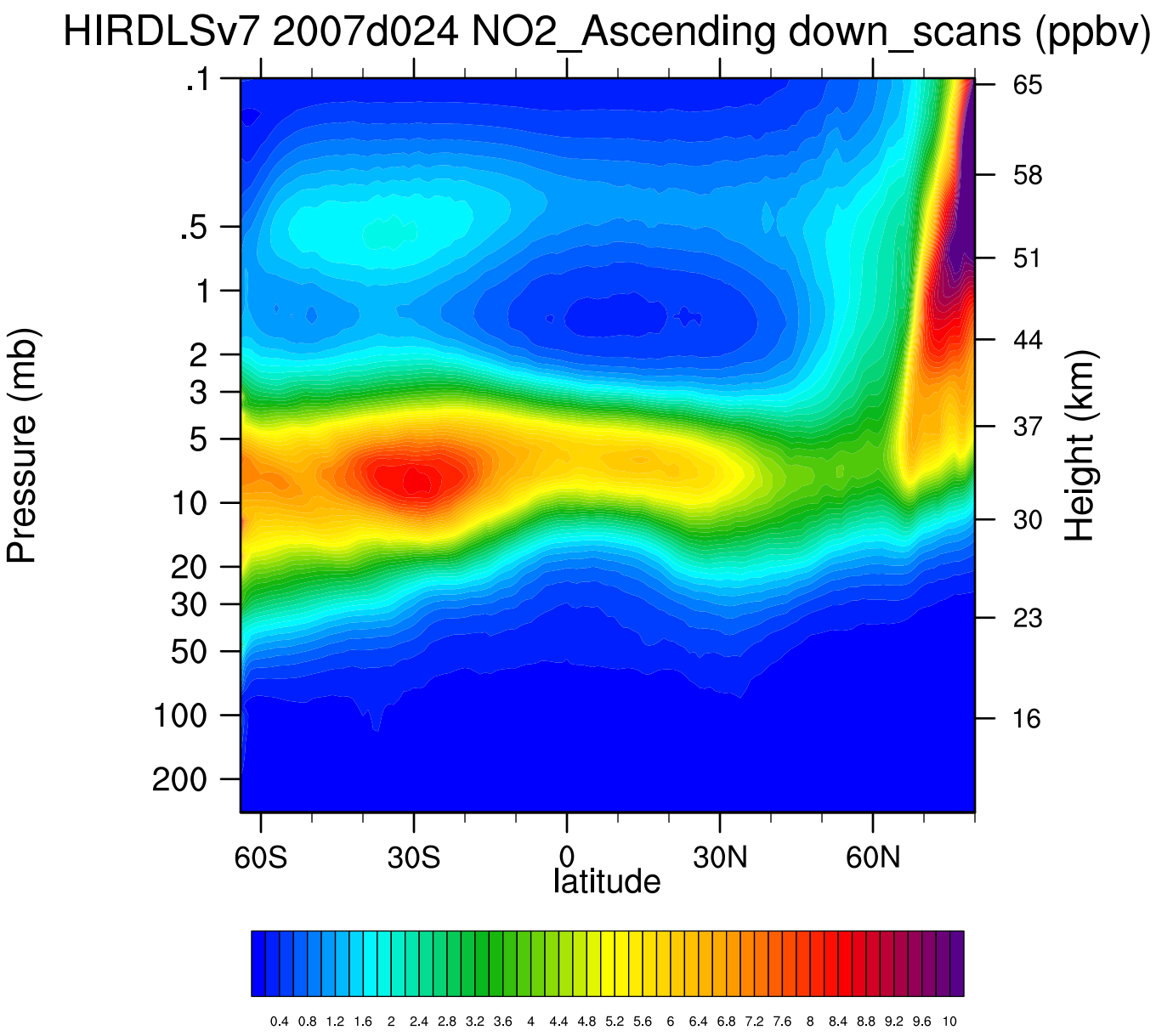

HIRDLSv7 2007d019 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

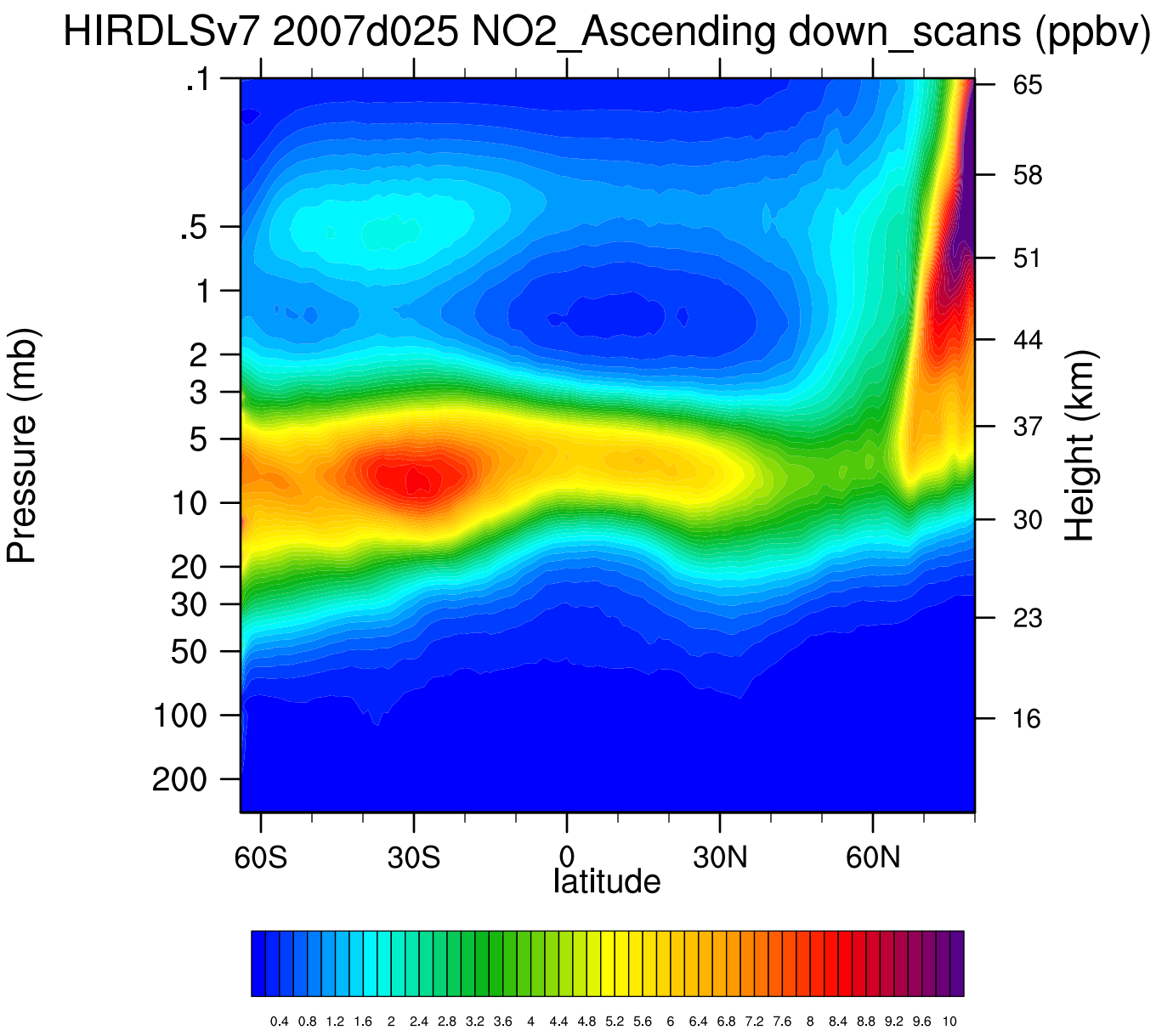

HIRDLSv7 2007d020 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

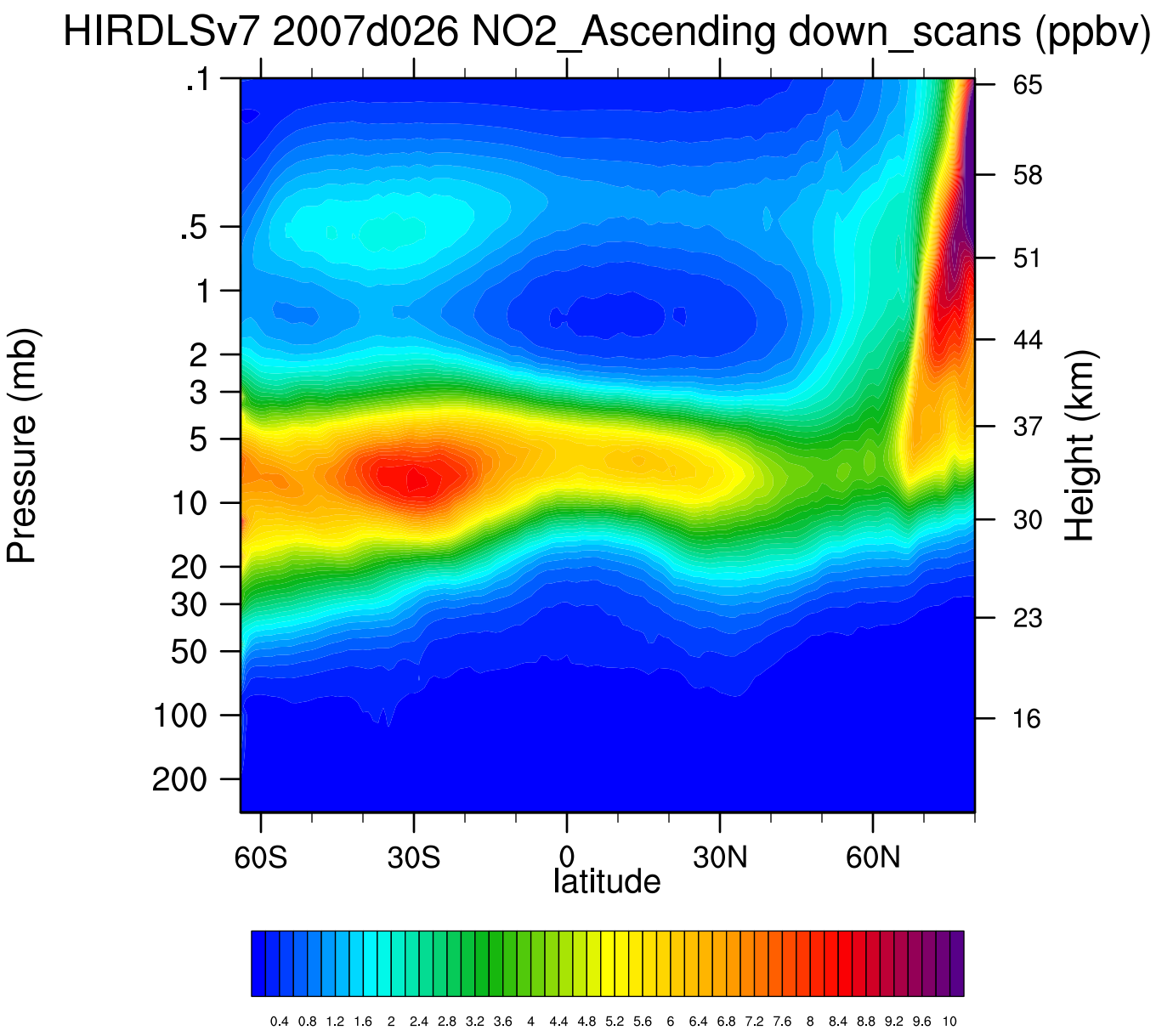

HIRDLSv7 2007d021 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

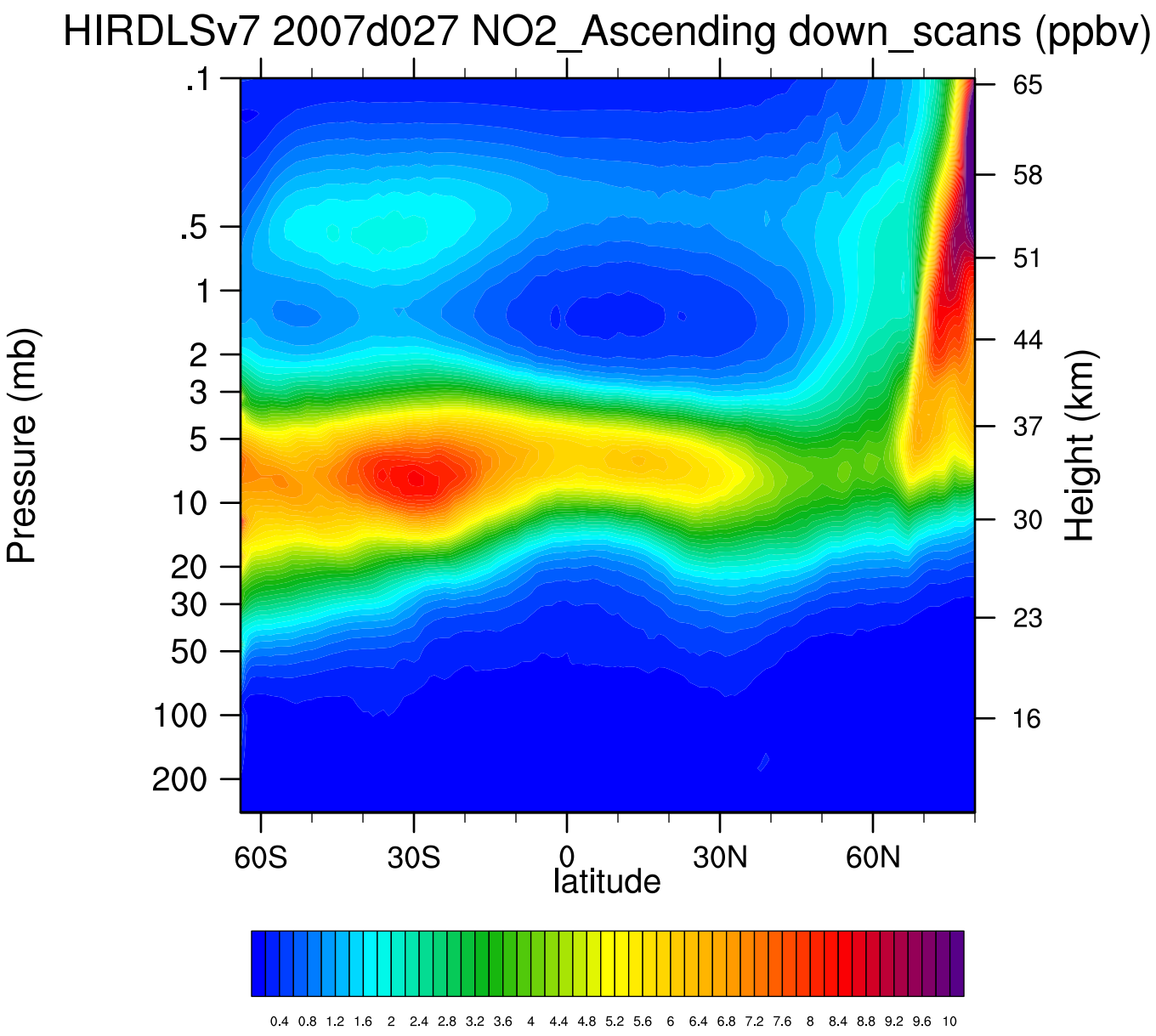

HIRDLSv7 2007d022 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

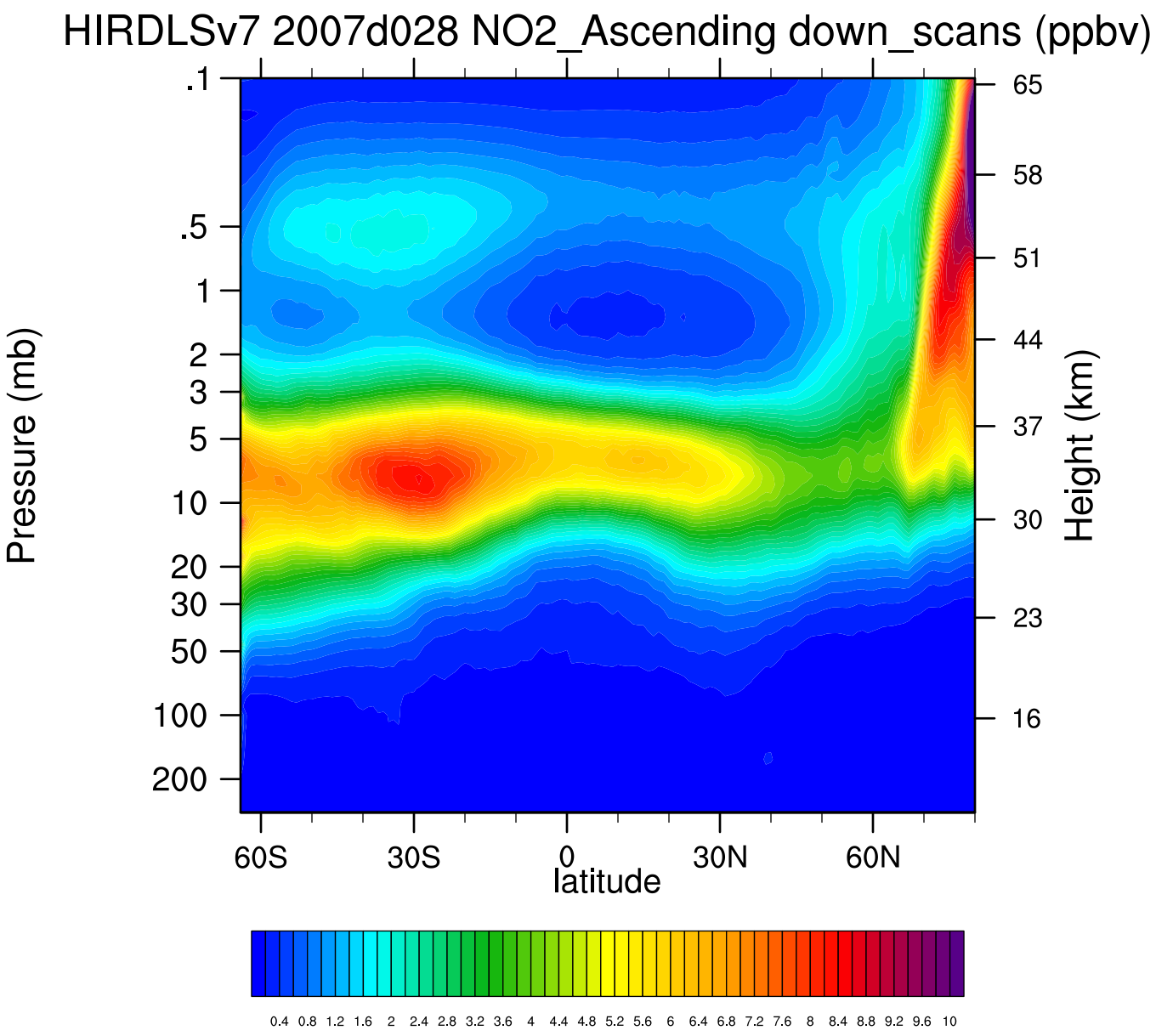

HIRDLSv7 2007d023 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

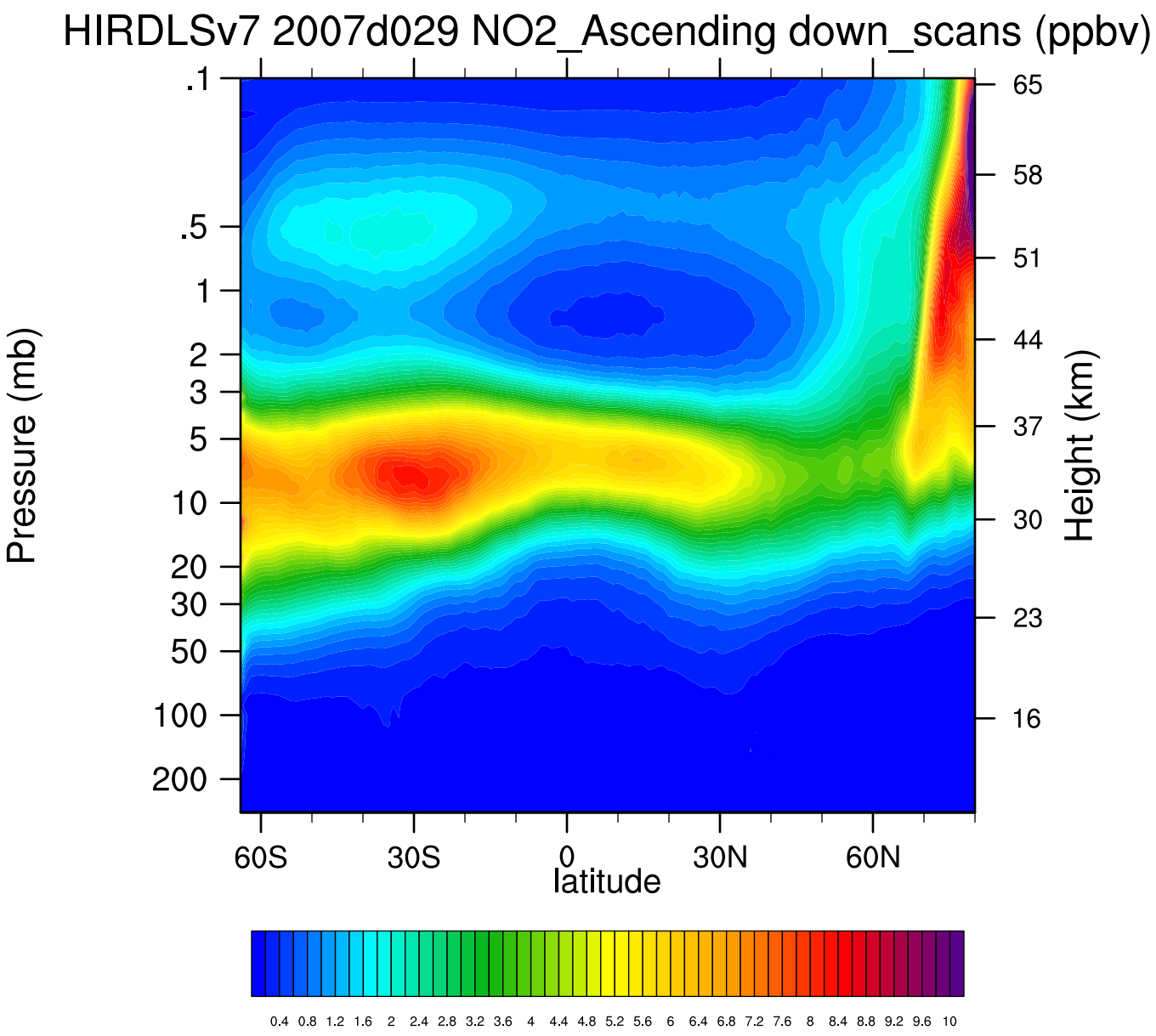

HIRDLSv7 2007d024 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d025 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d026 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d027 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d028 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d029 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
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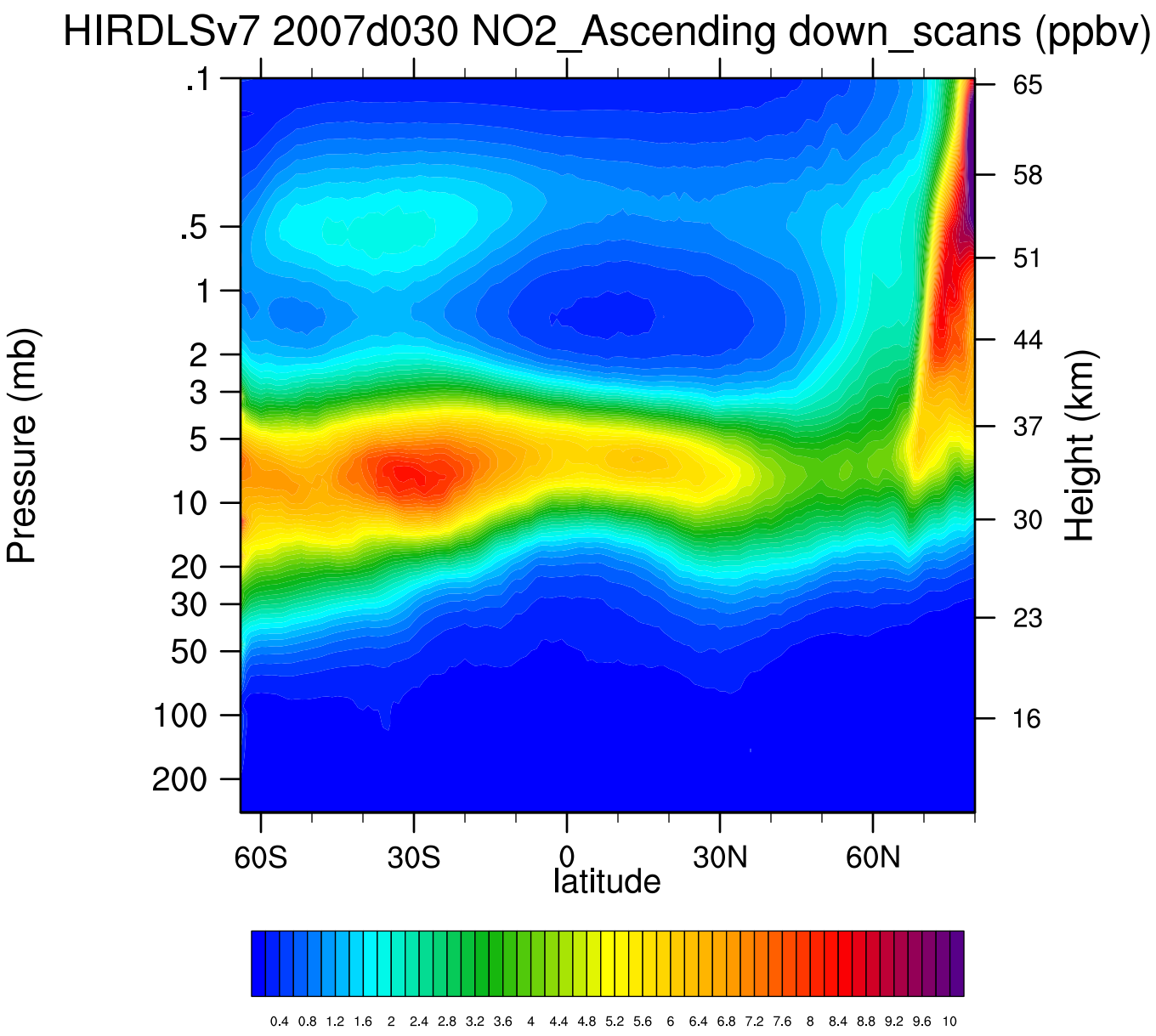
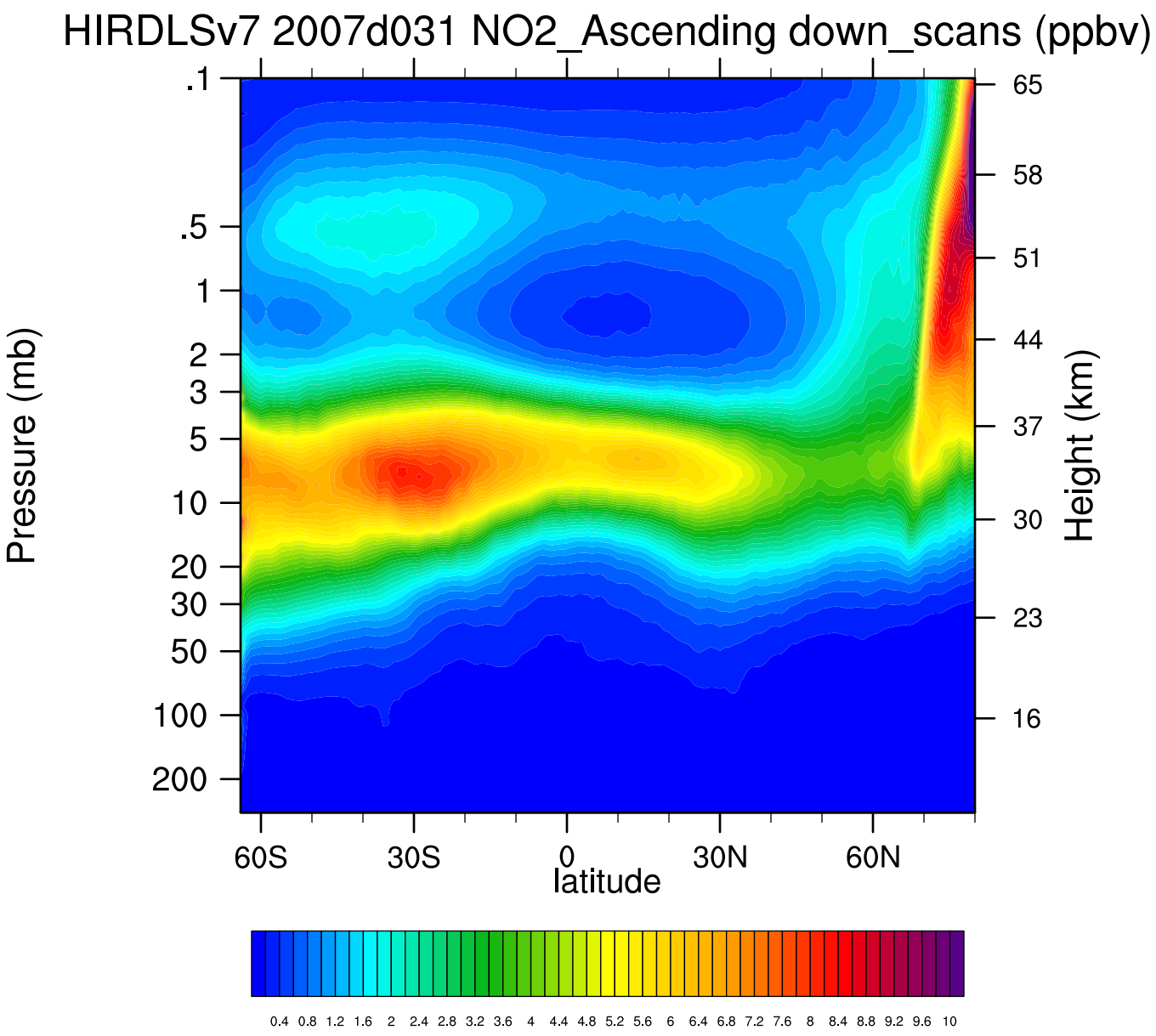
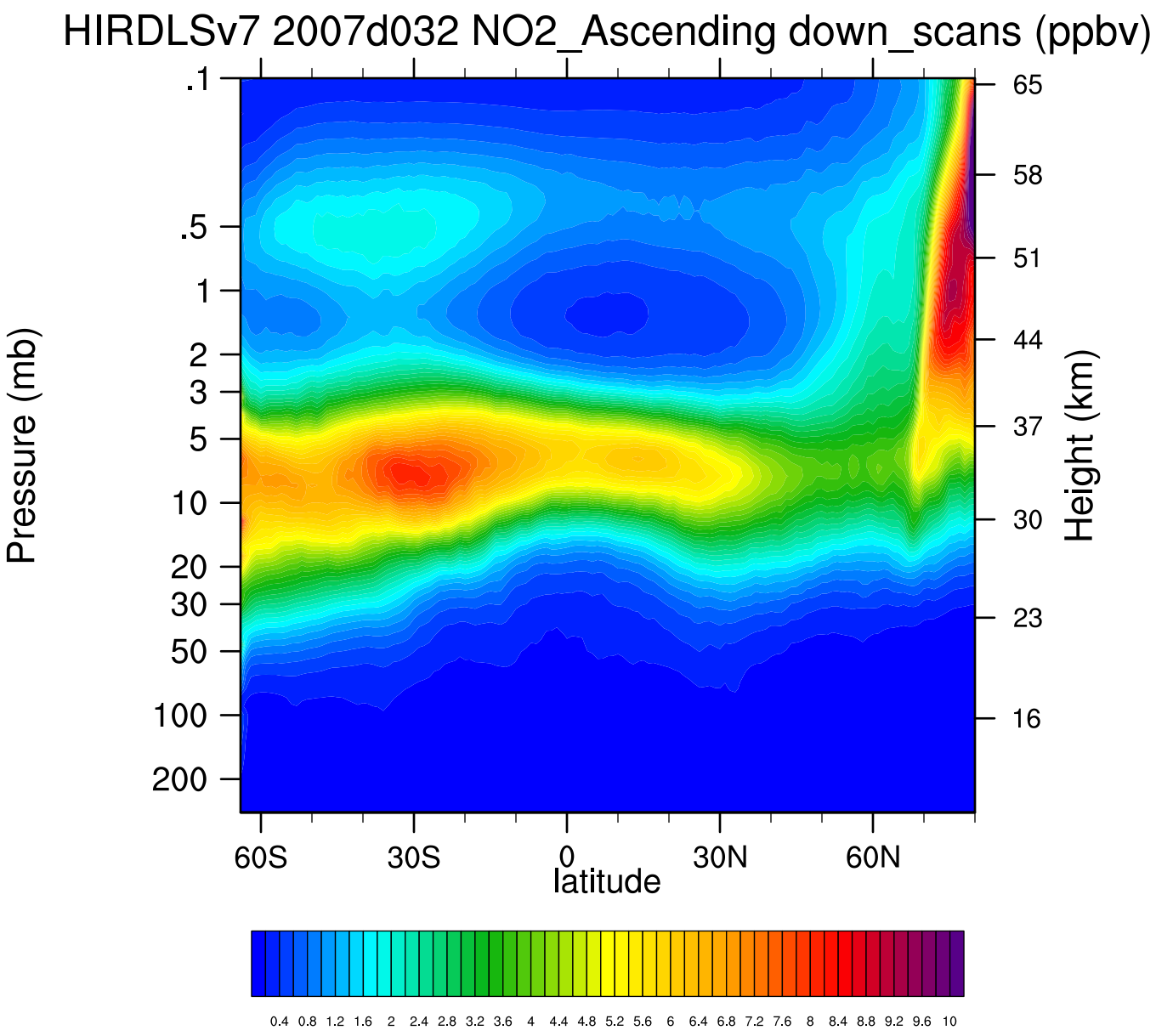
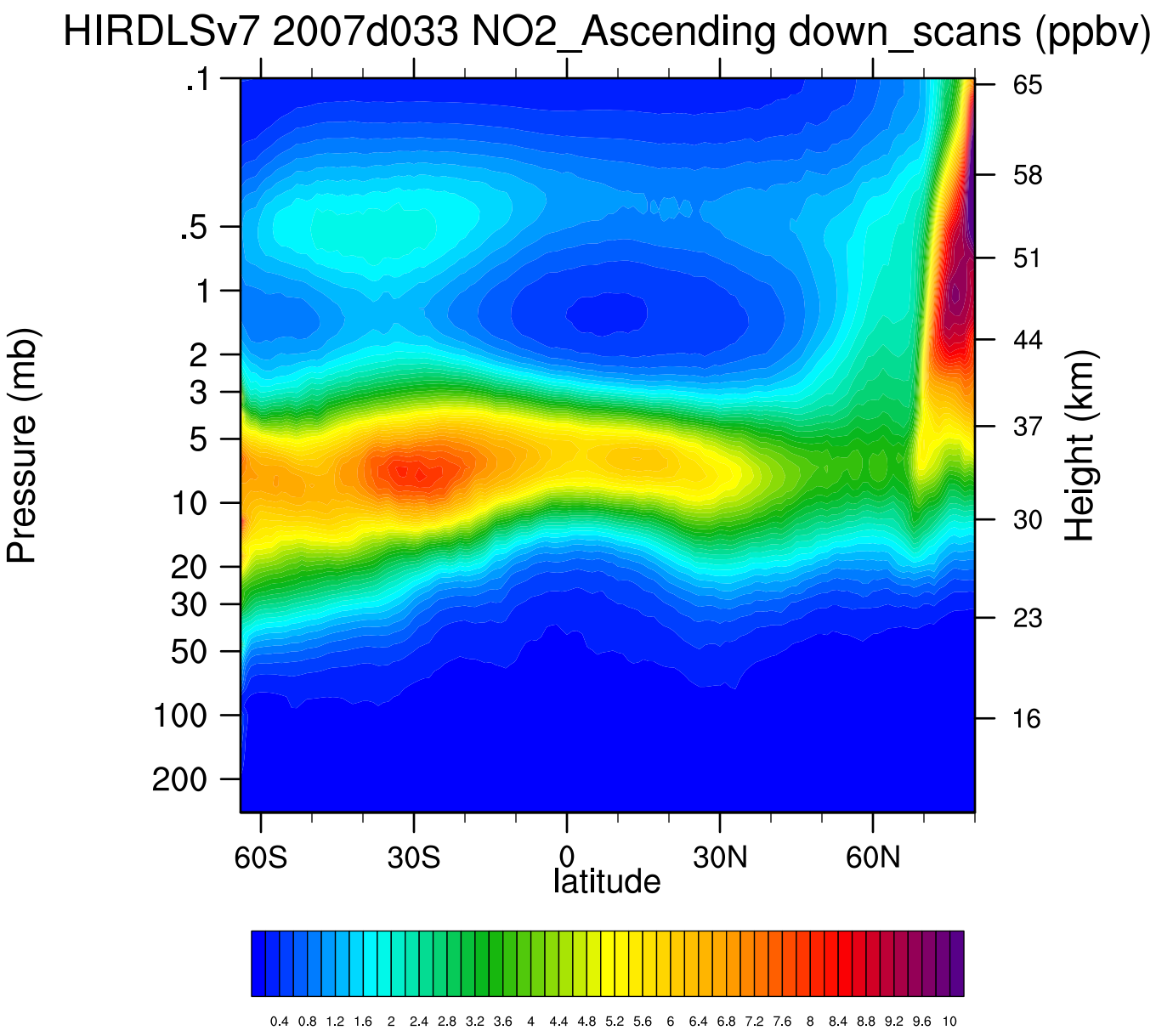
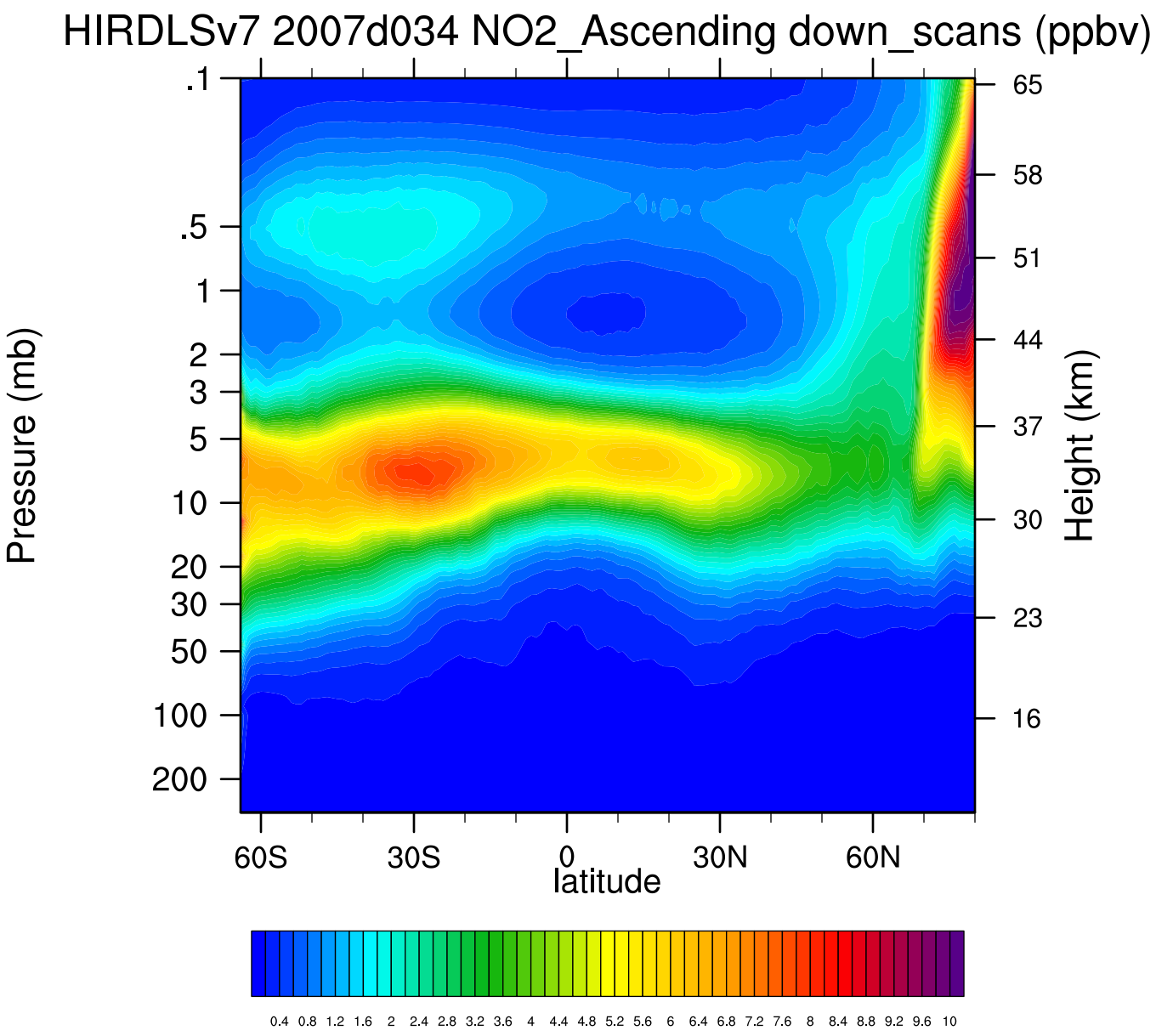
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

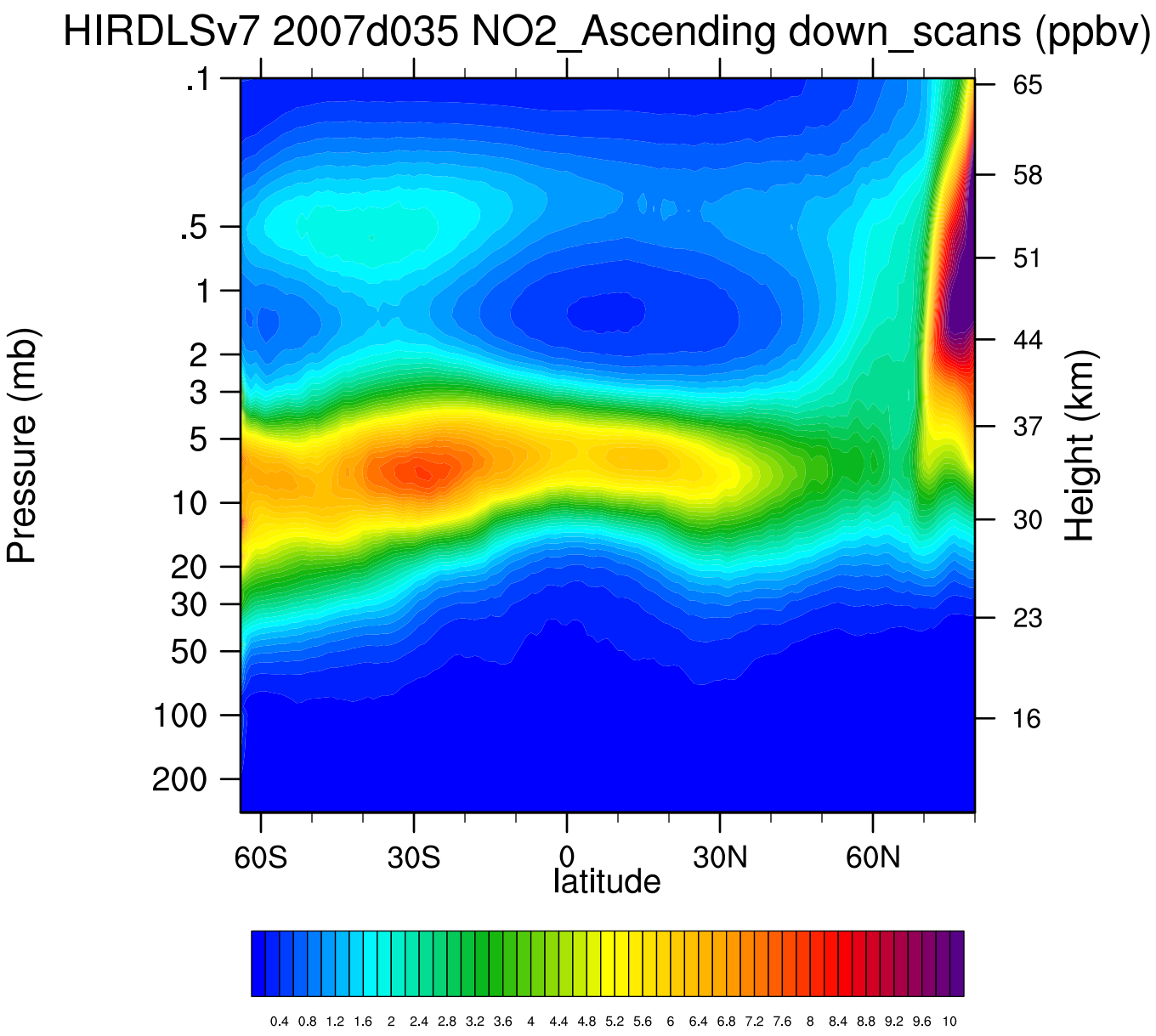

HIRDLSv7 2007d030 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

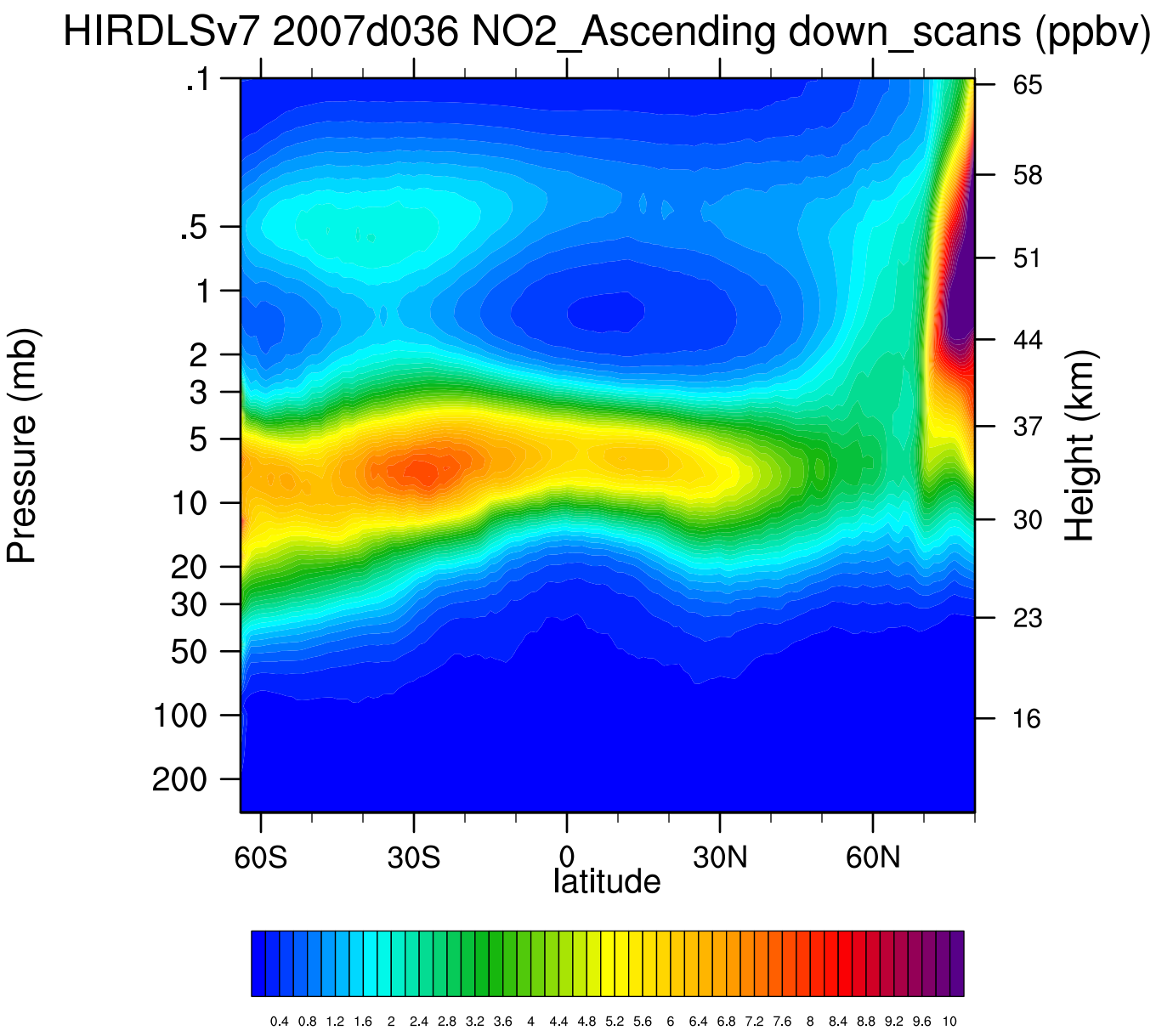

HIRDLSv7 2007d031 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

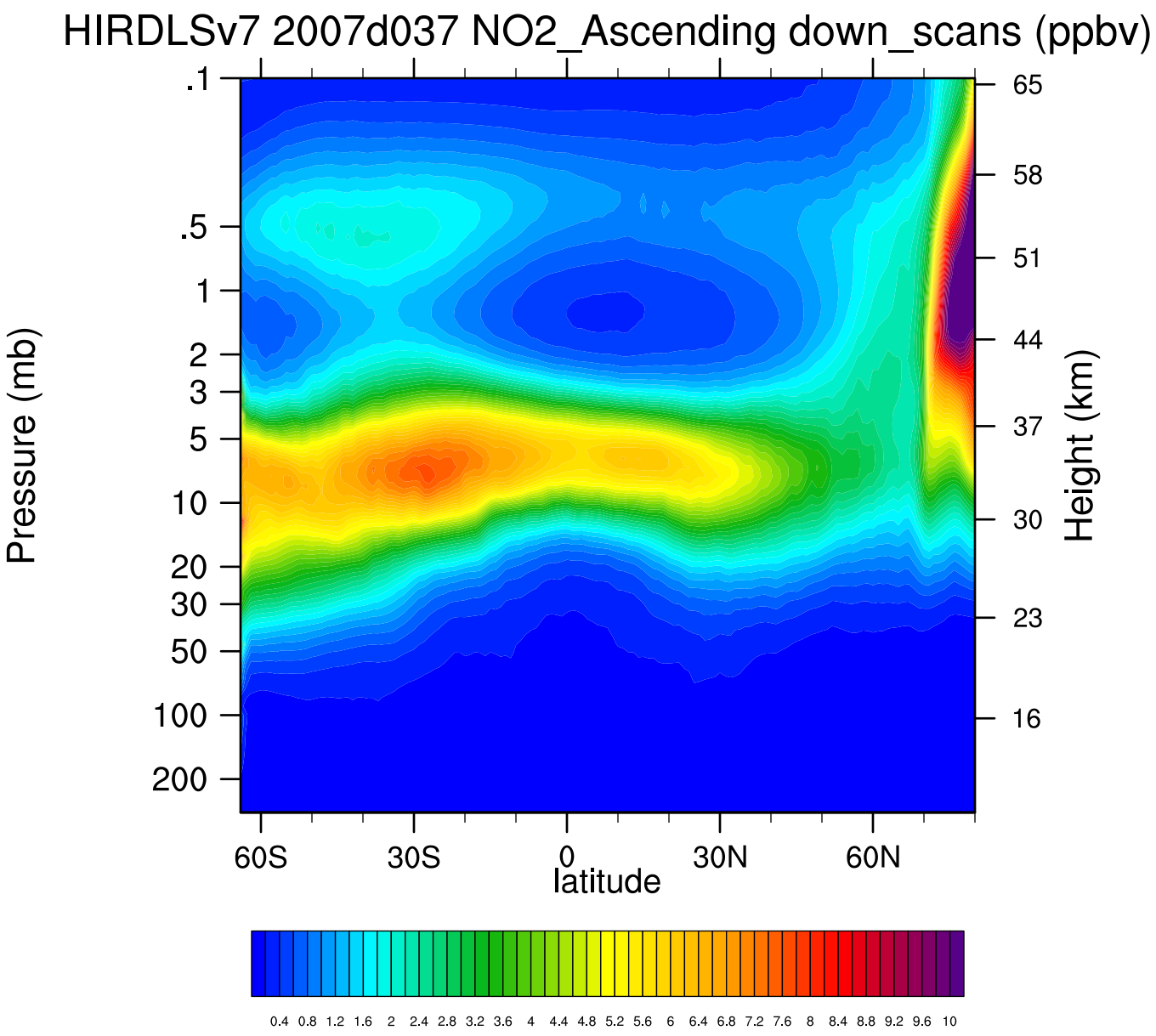

HIRDLSv7 2007d032 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

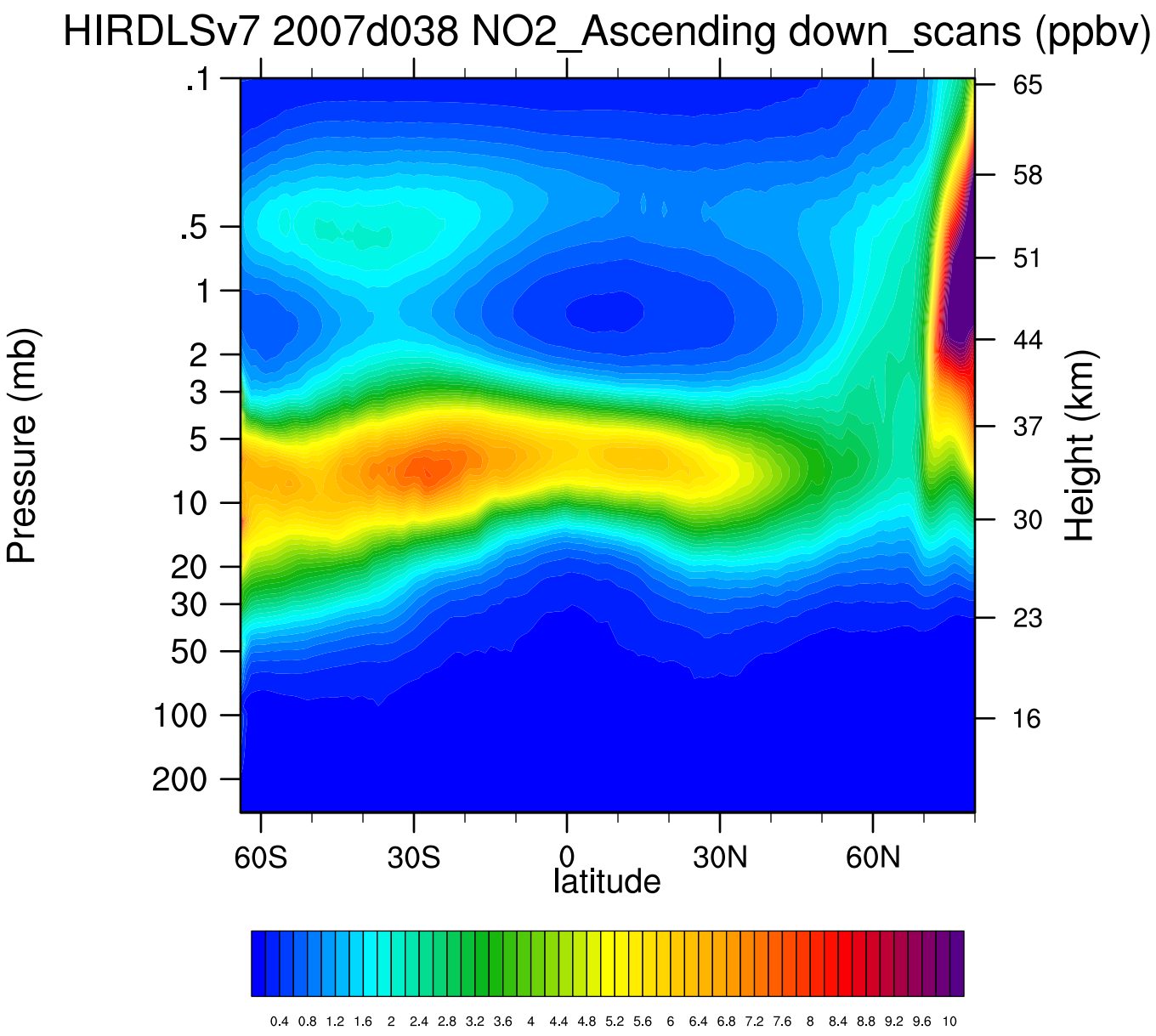

HIRDLSv7 2007d033 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

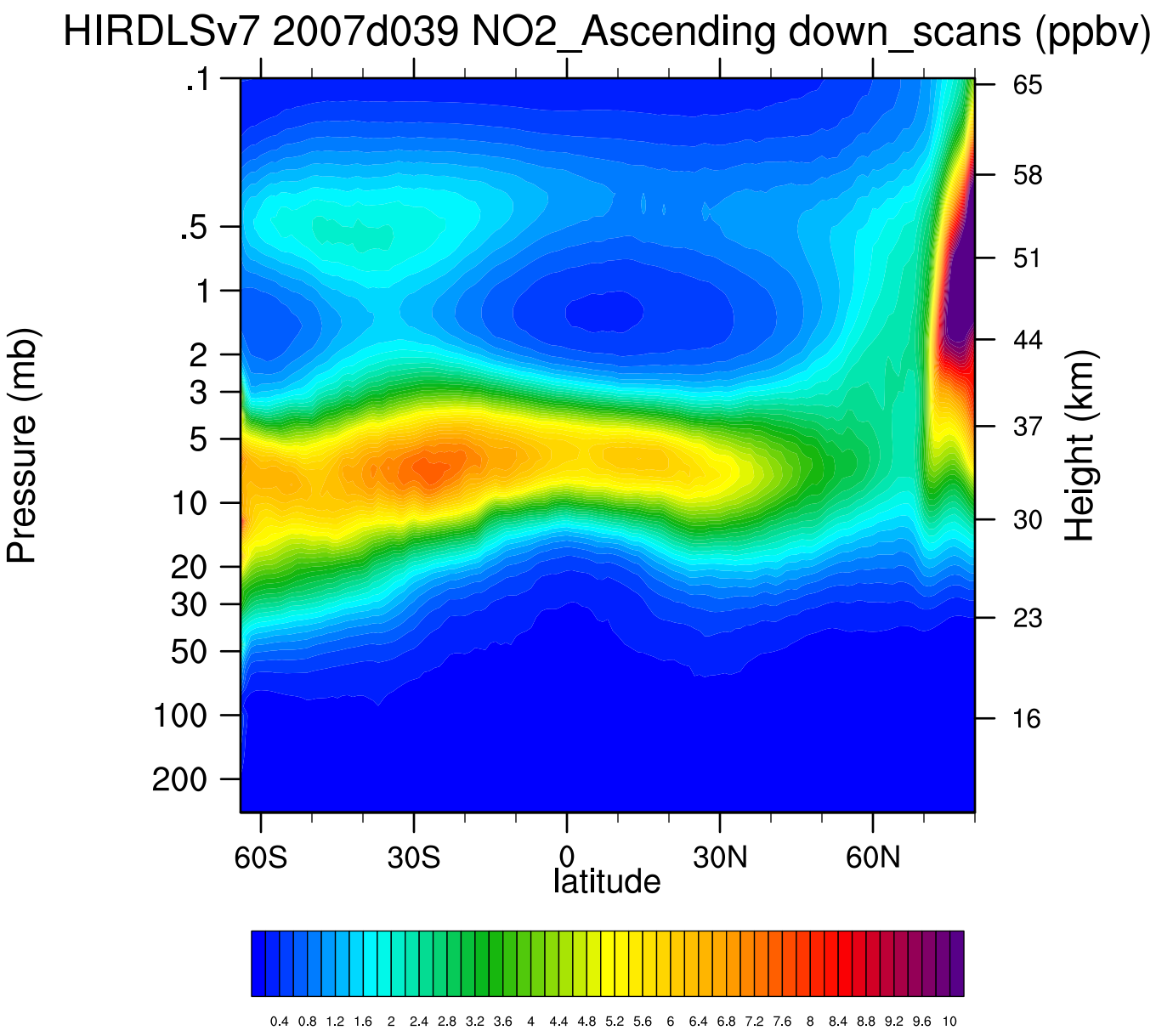

HIRDLSv7 2007d034 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

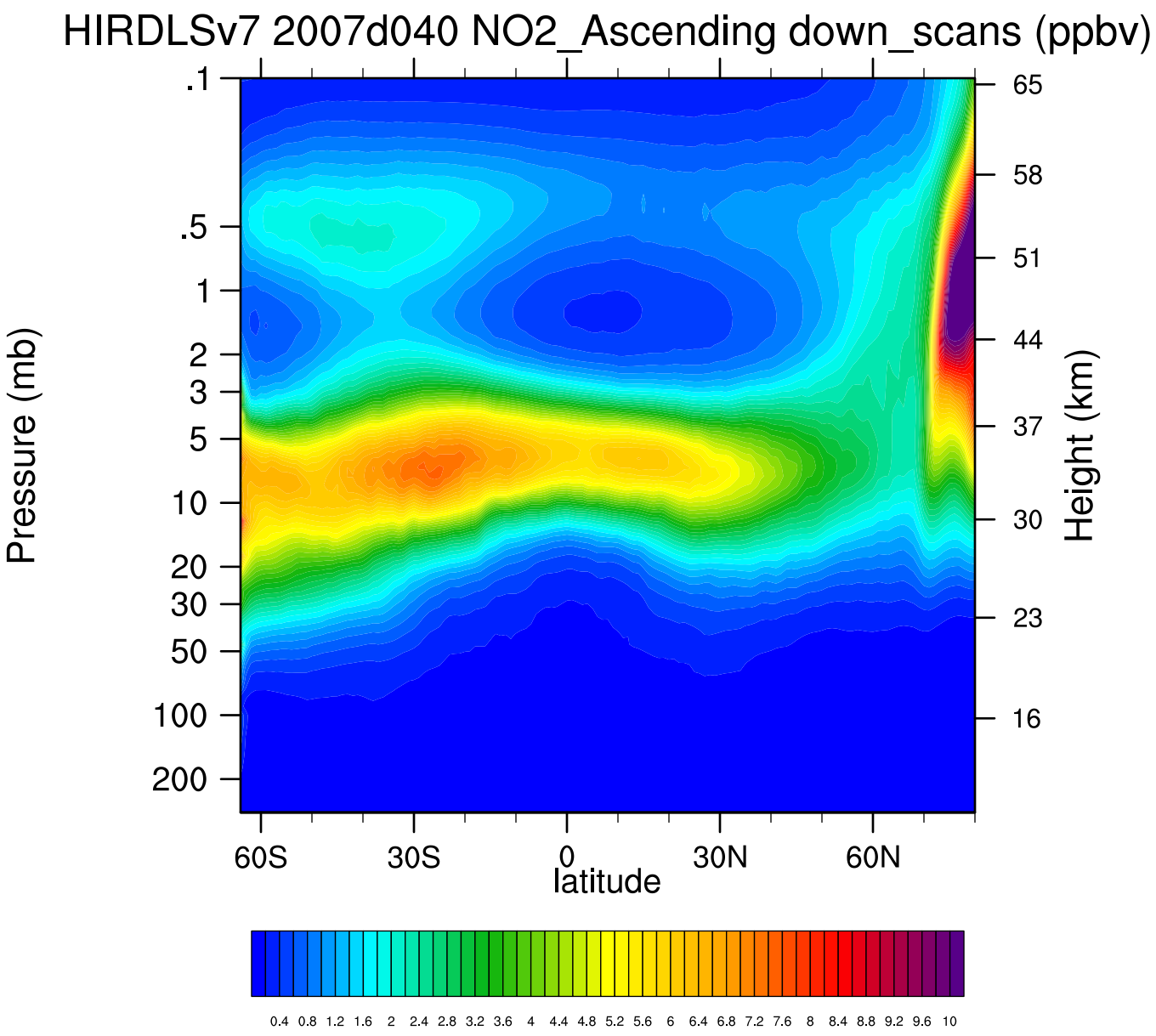

HIRDLSv7 2007d035 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

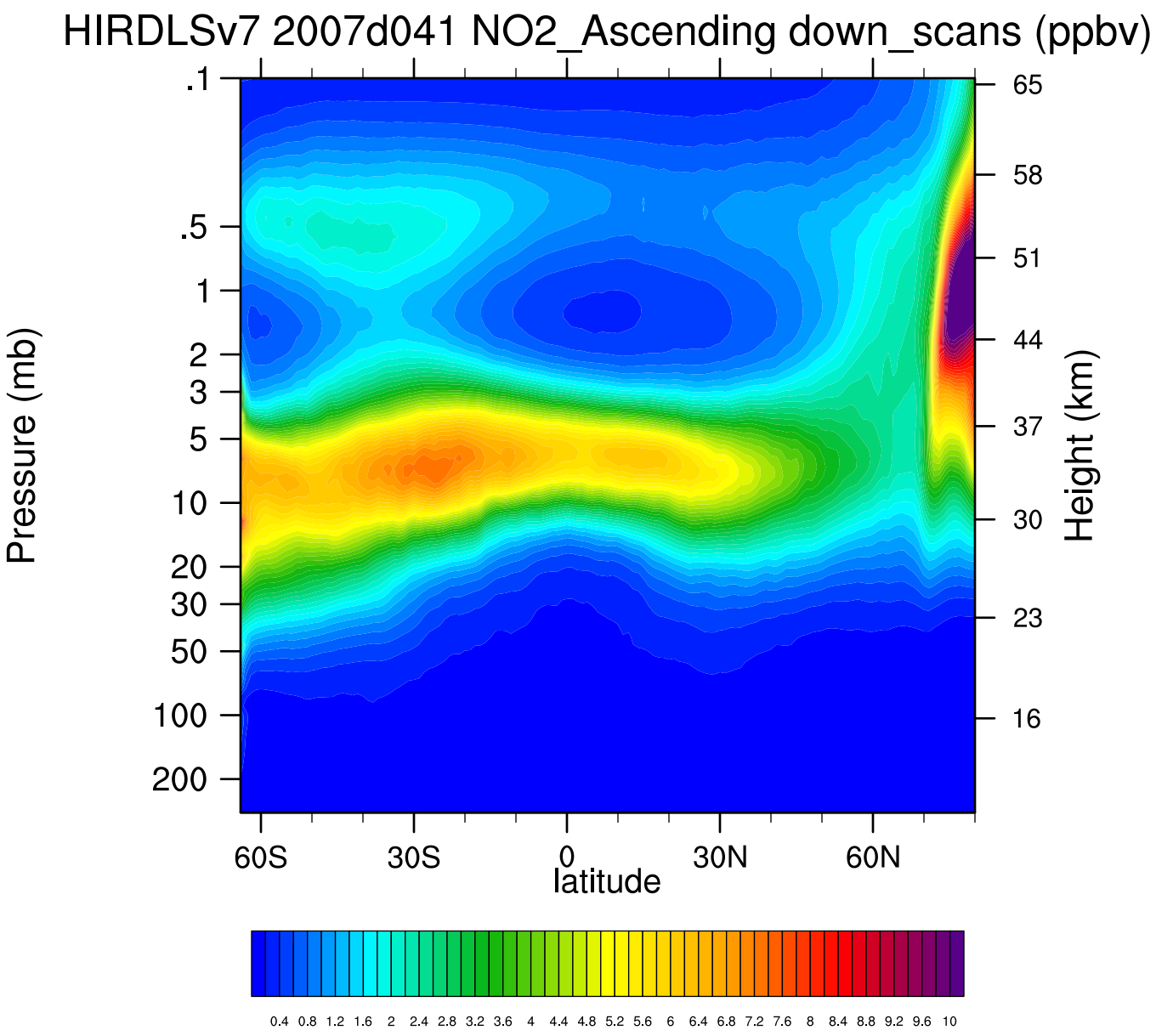

HIRDLSv7 2007d036 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d037 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d038 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d039 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d040 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d041 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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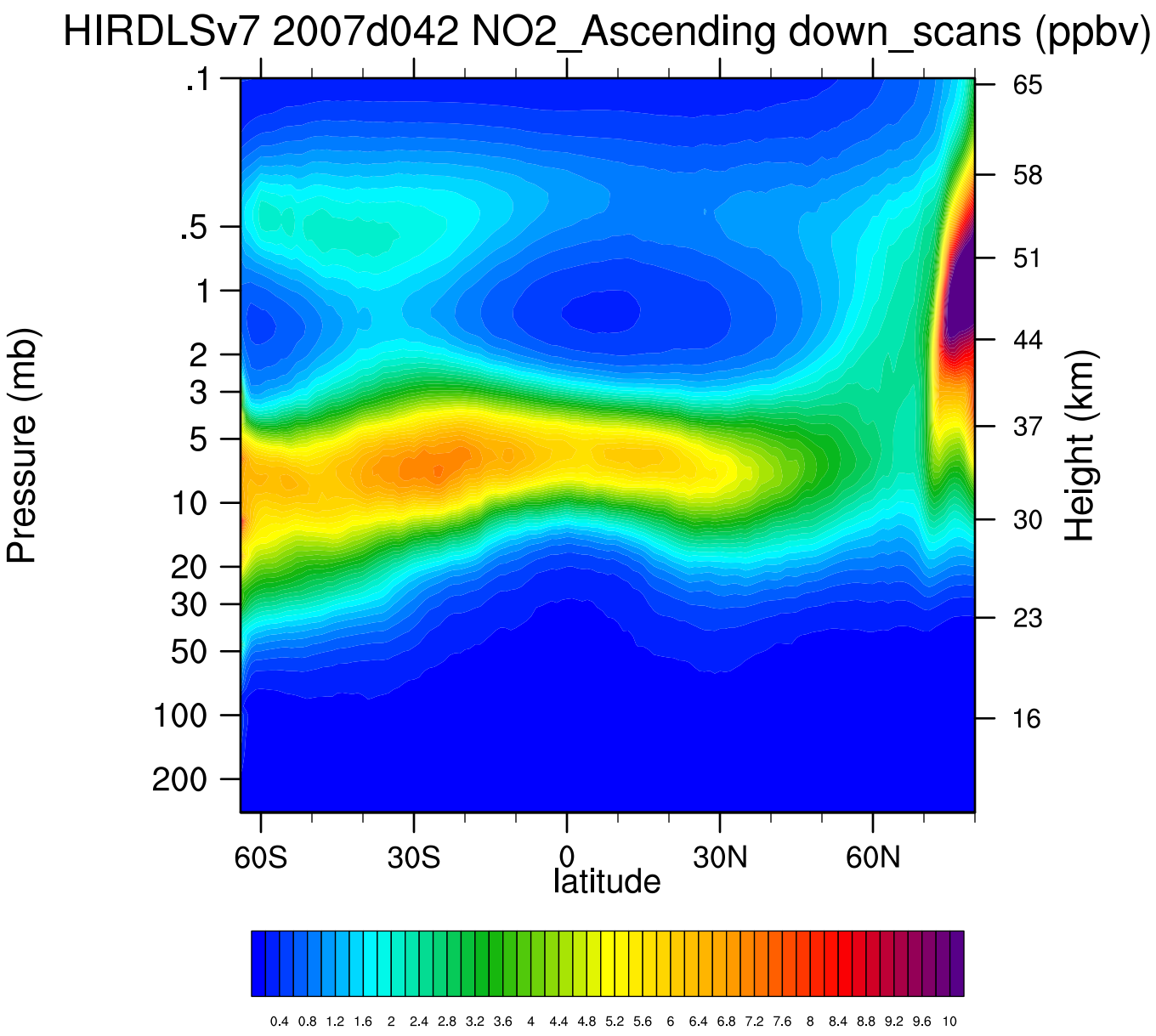
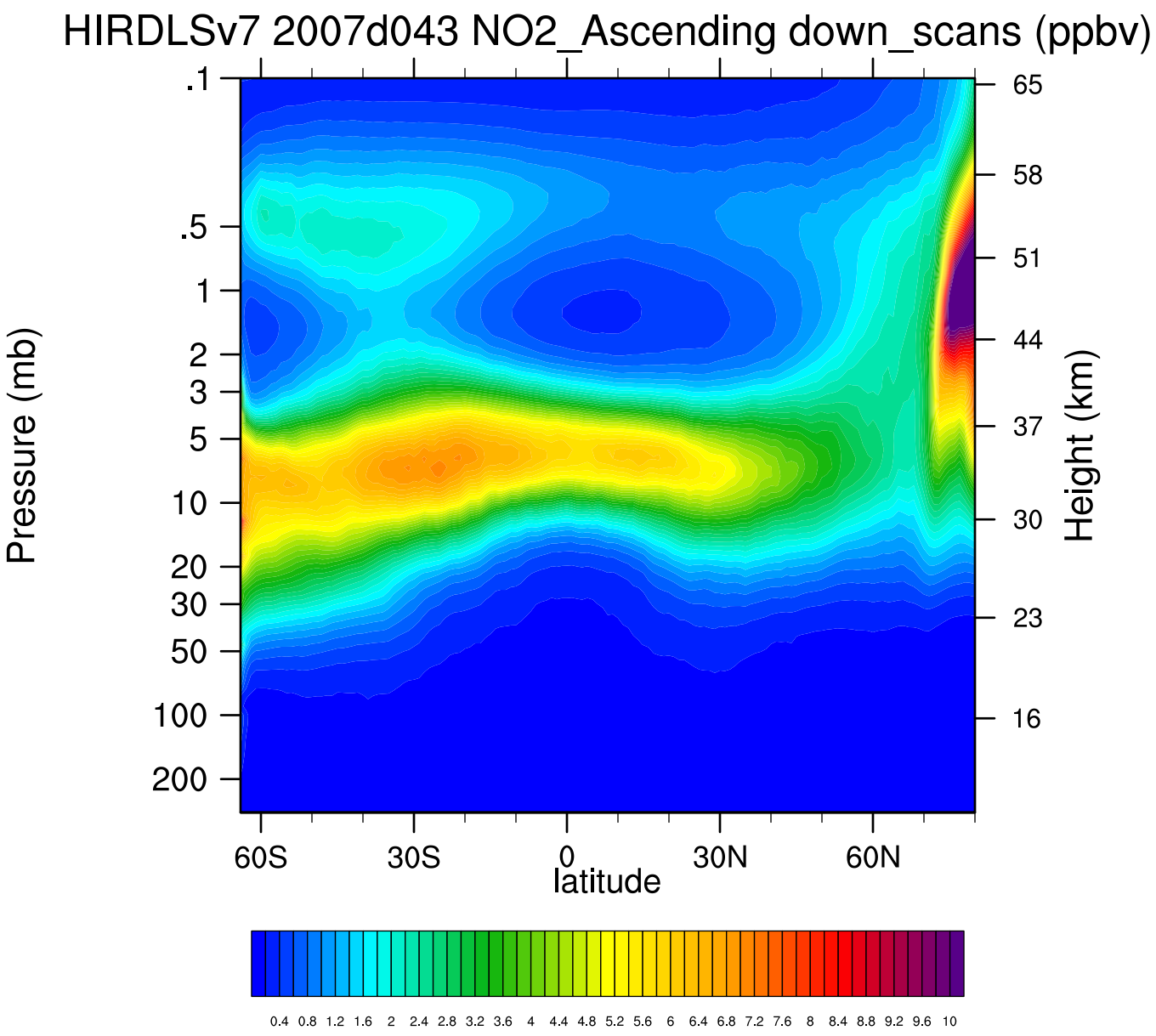
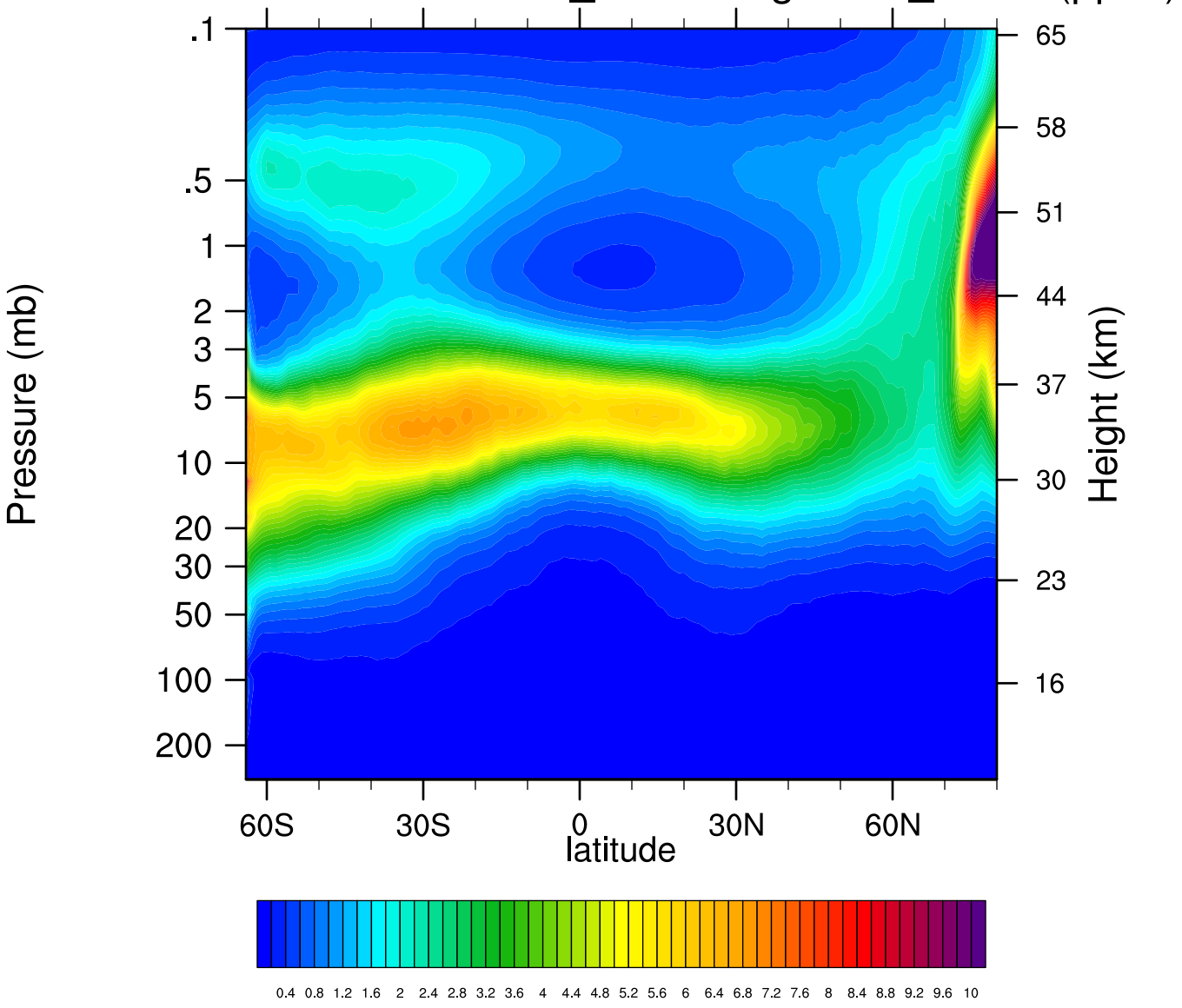
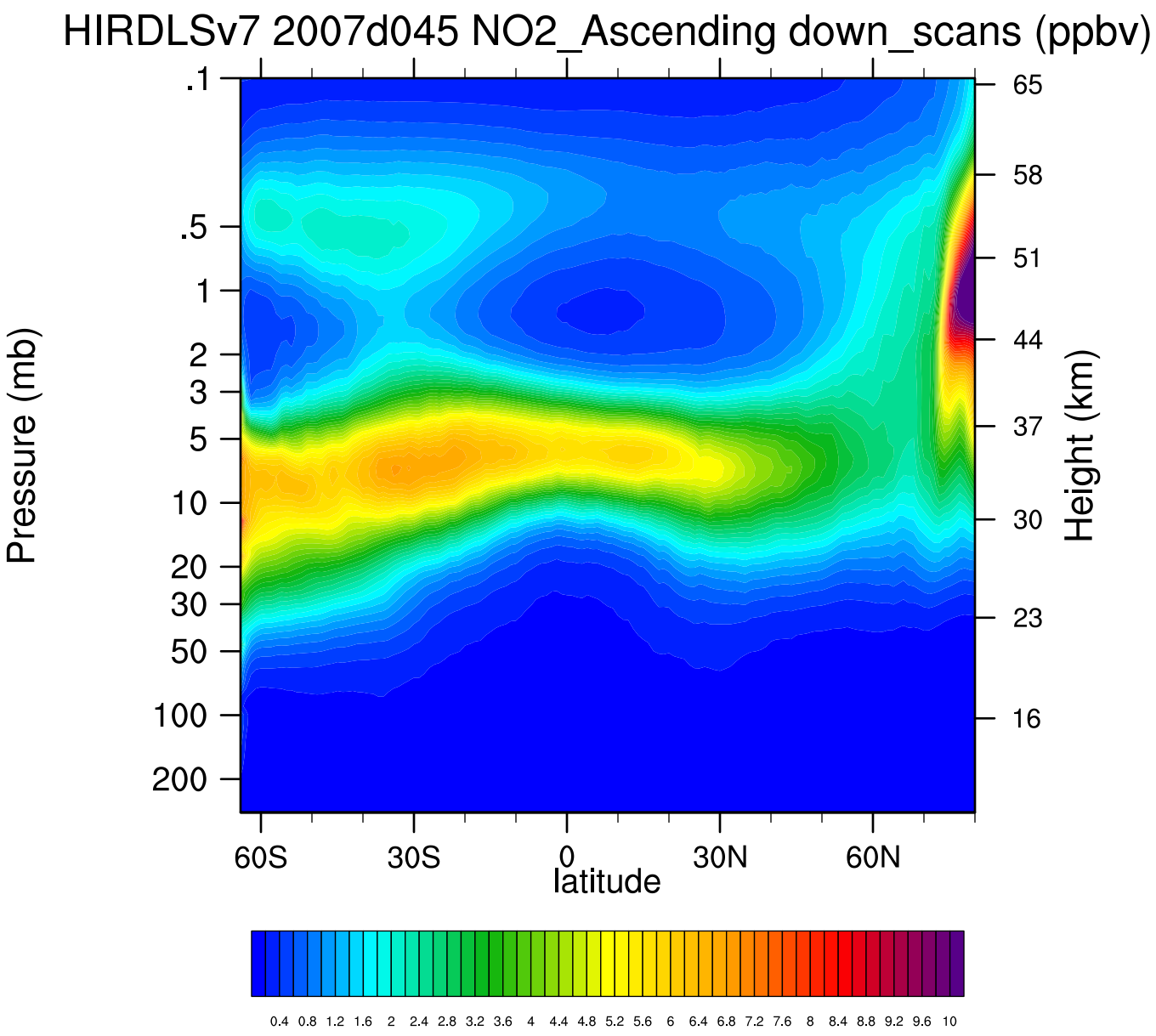
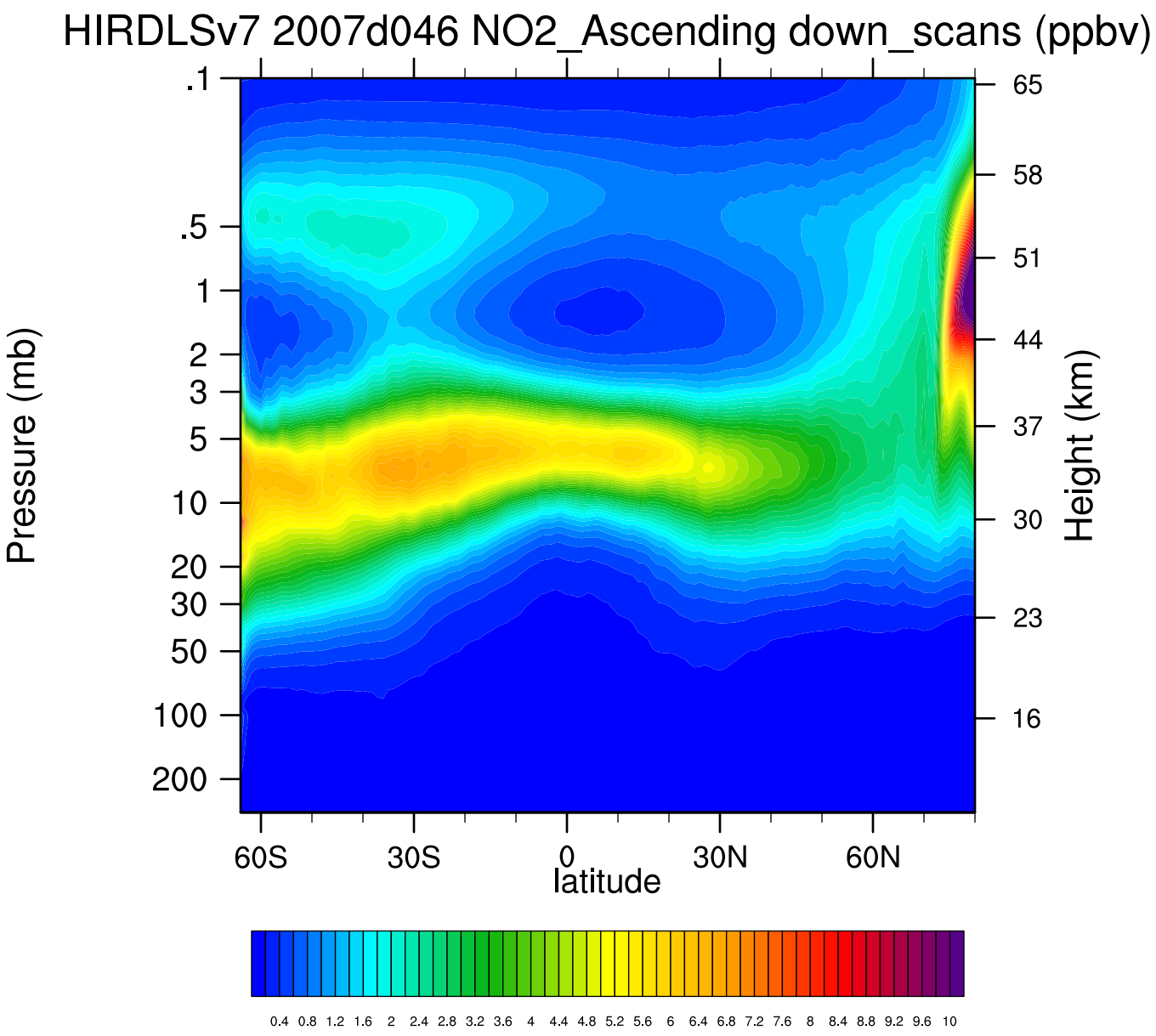
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d042 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d043 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d044 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d045 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d046 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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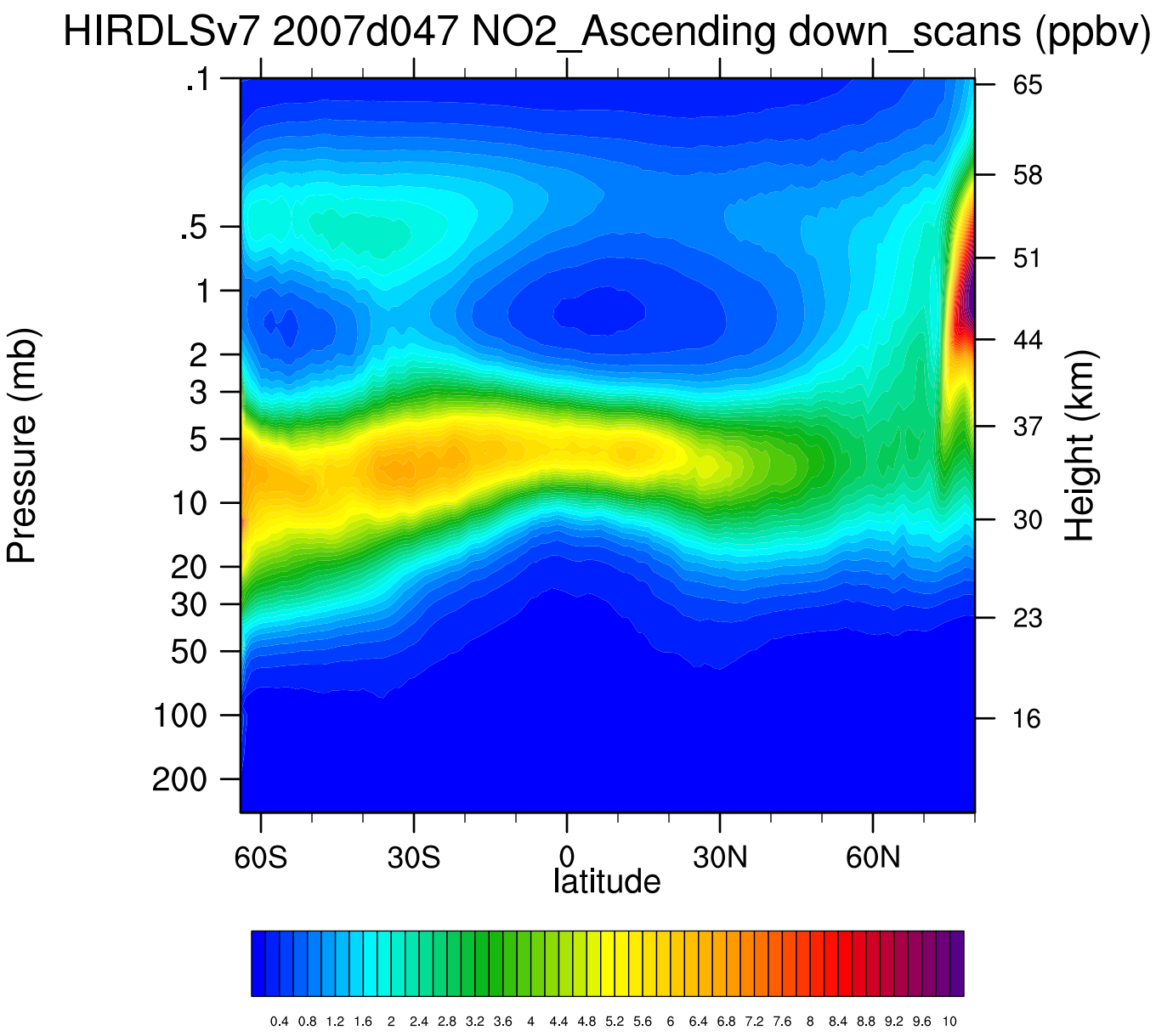
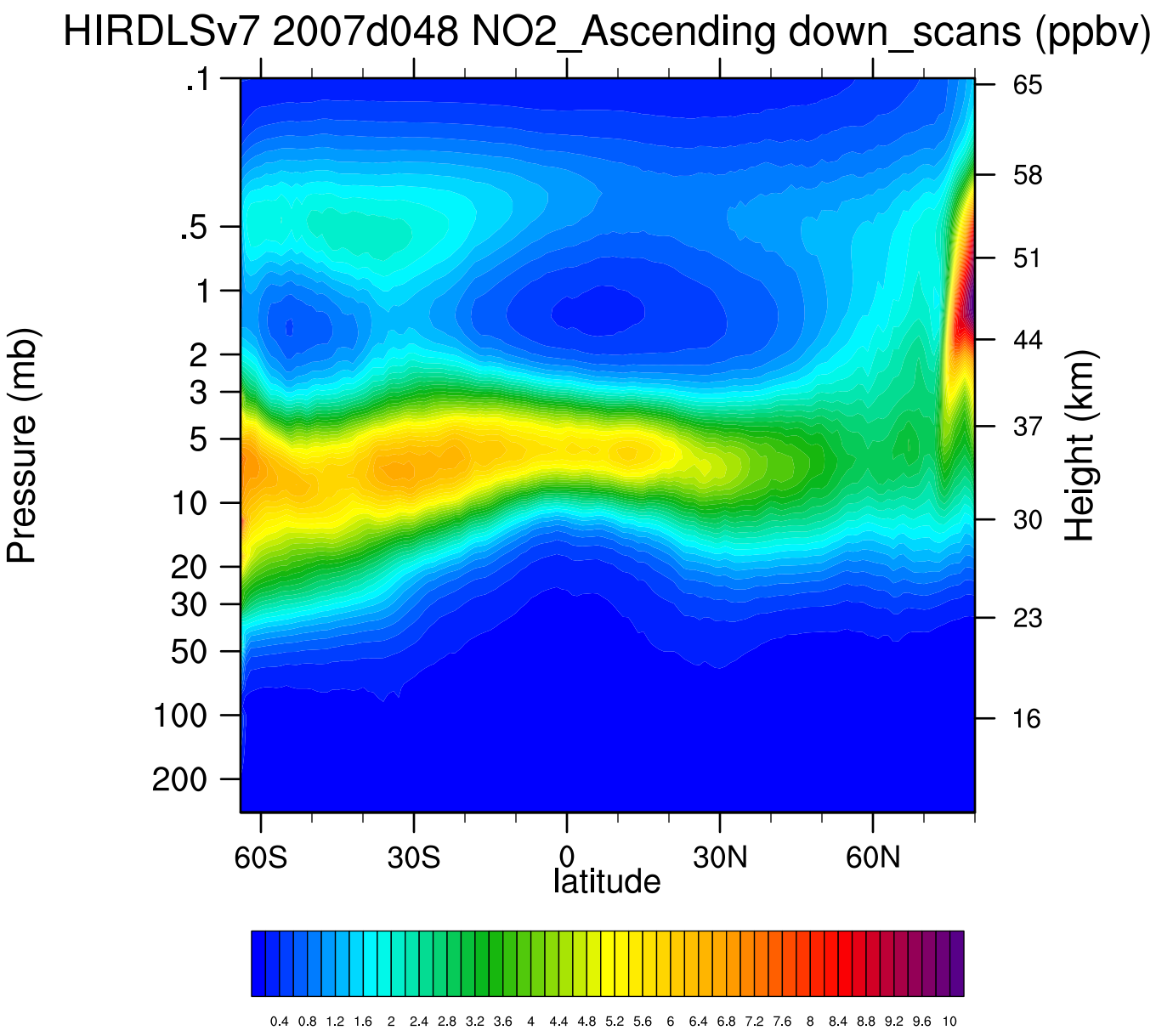
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d047 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d048 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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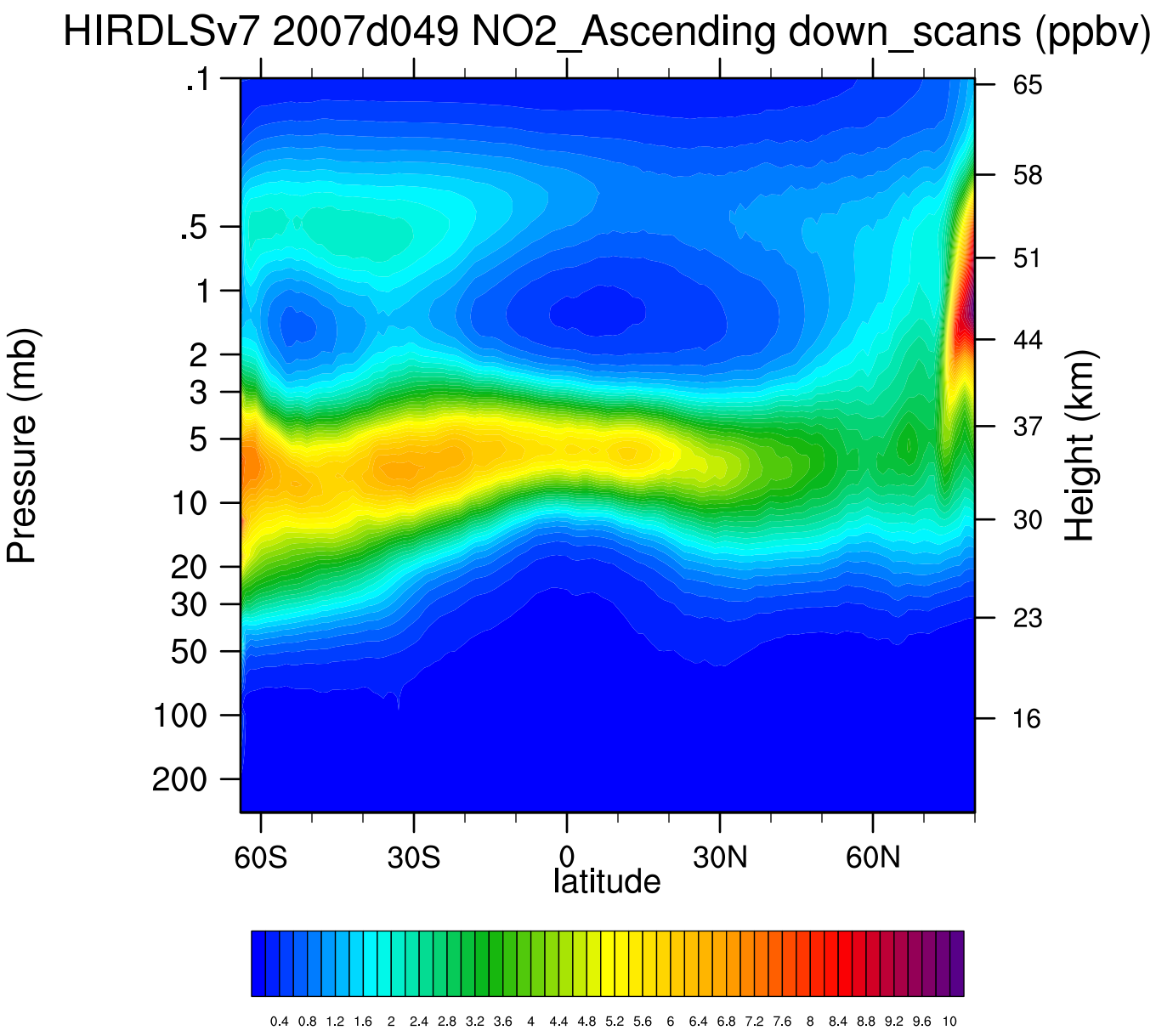
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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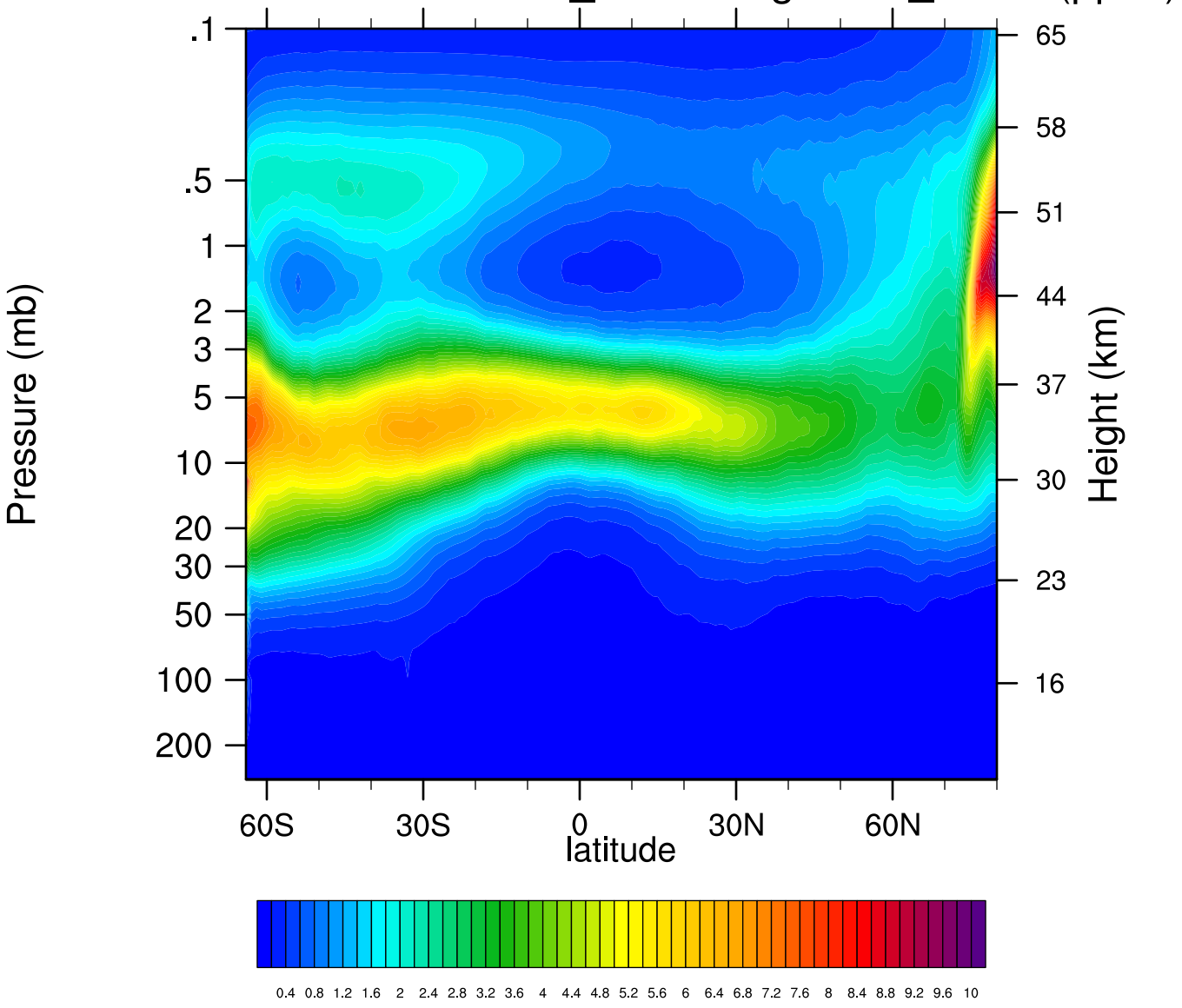
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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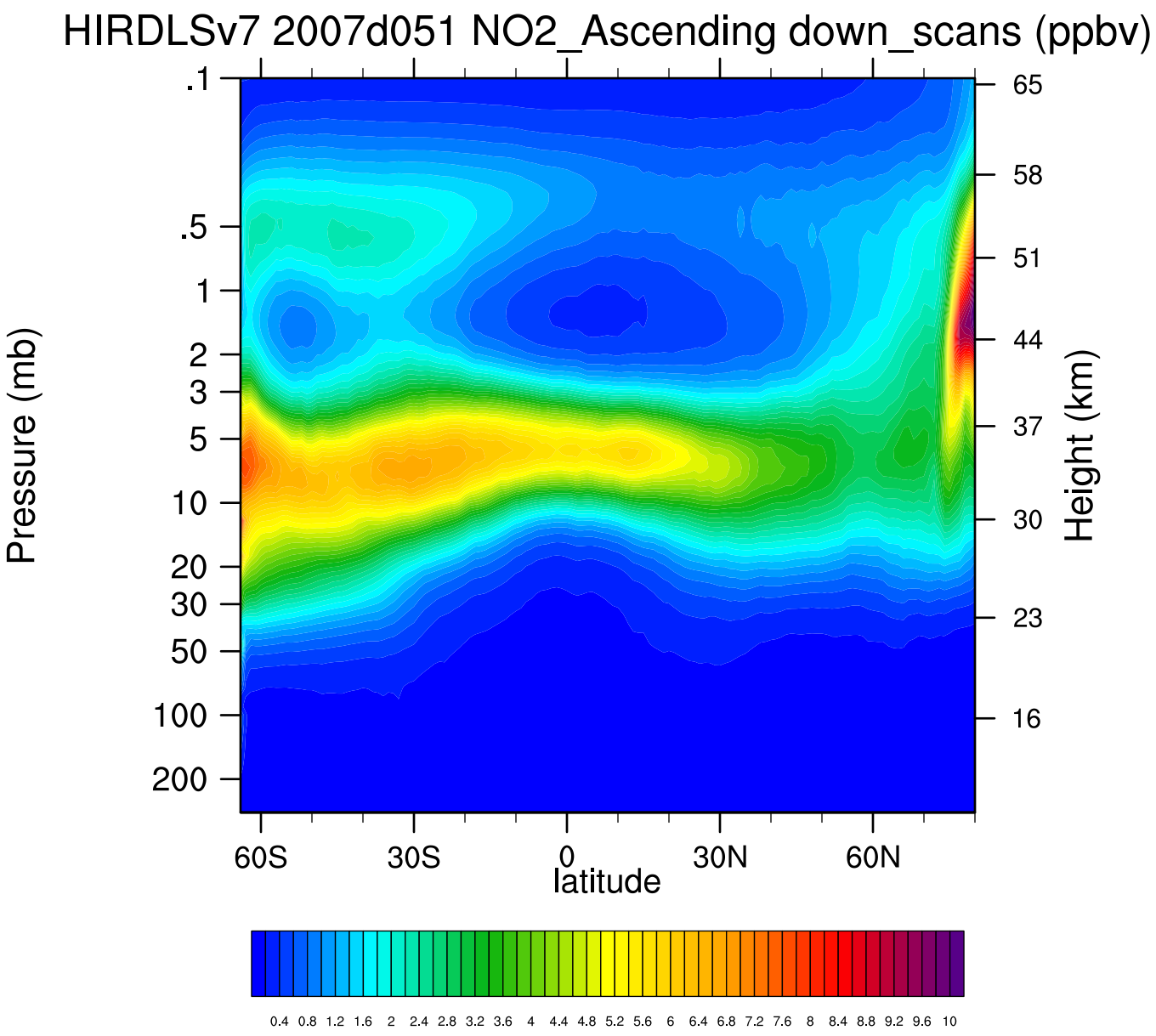
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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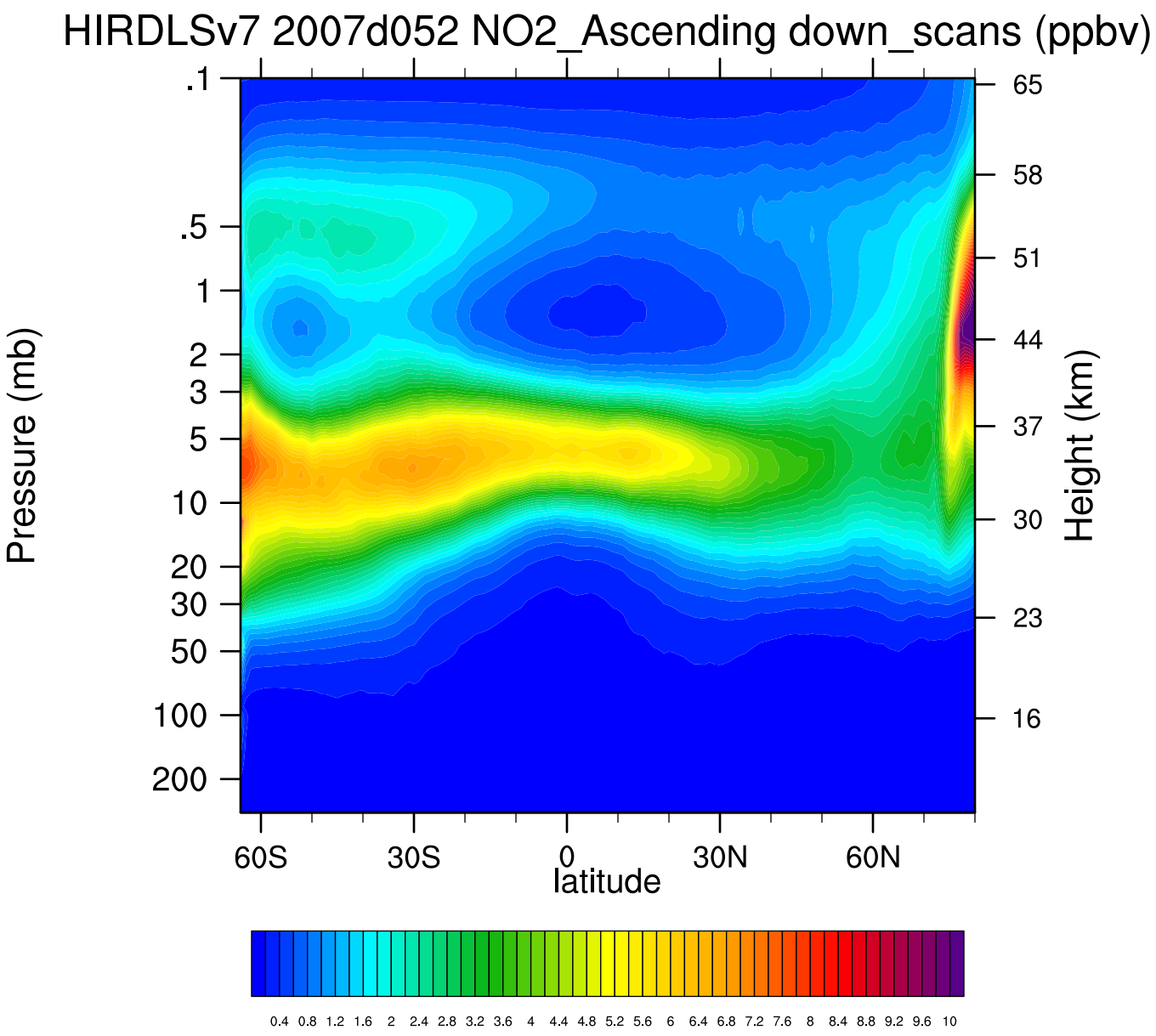
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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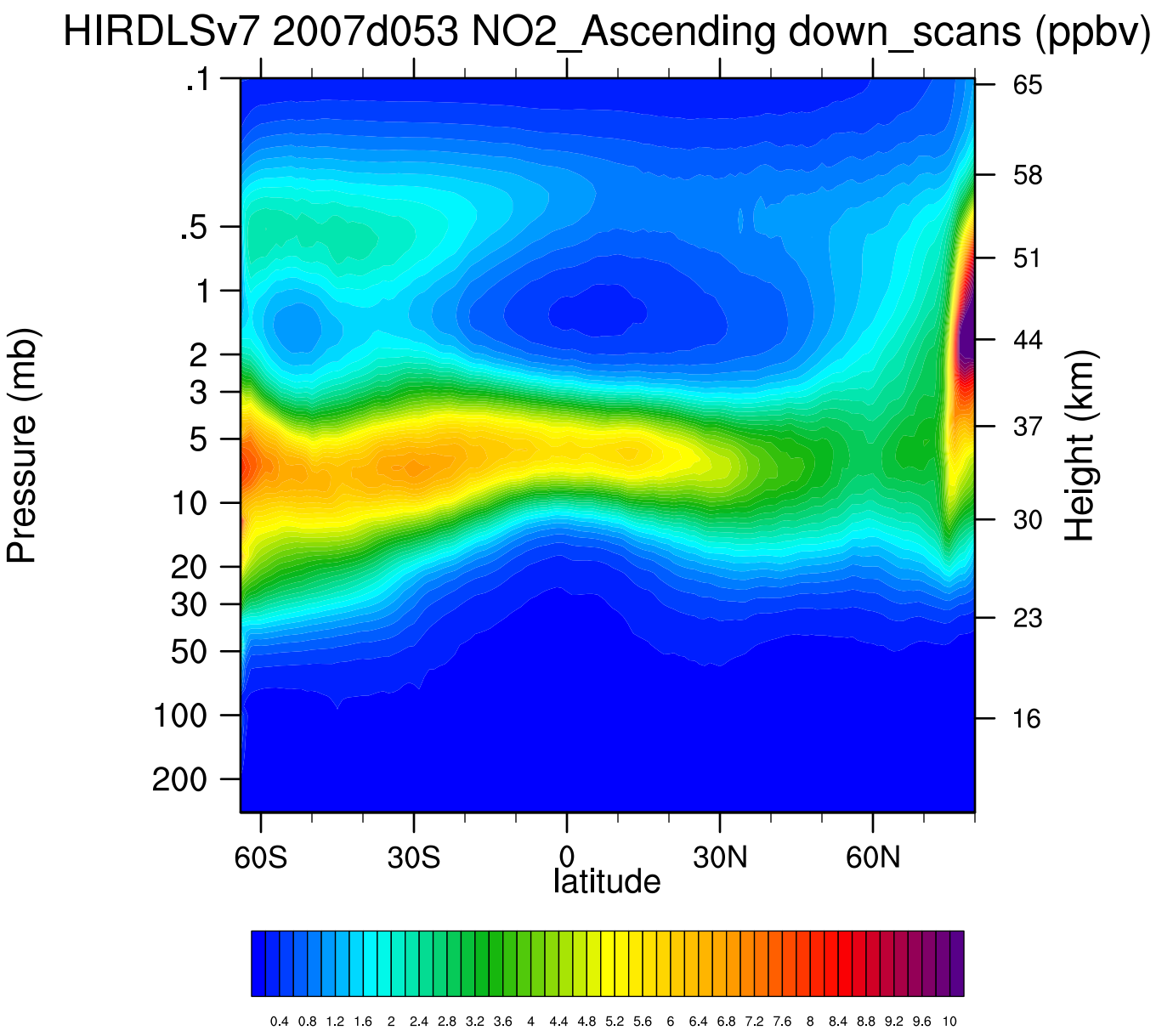
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d053 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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.5
1
2
3
5
10
20
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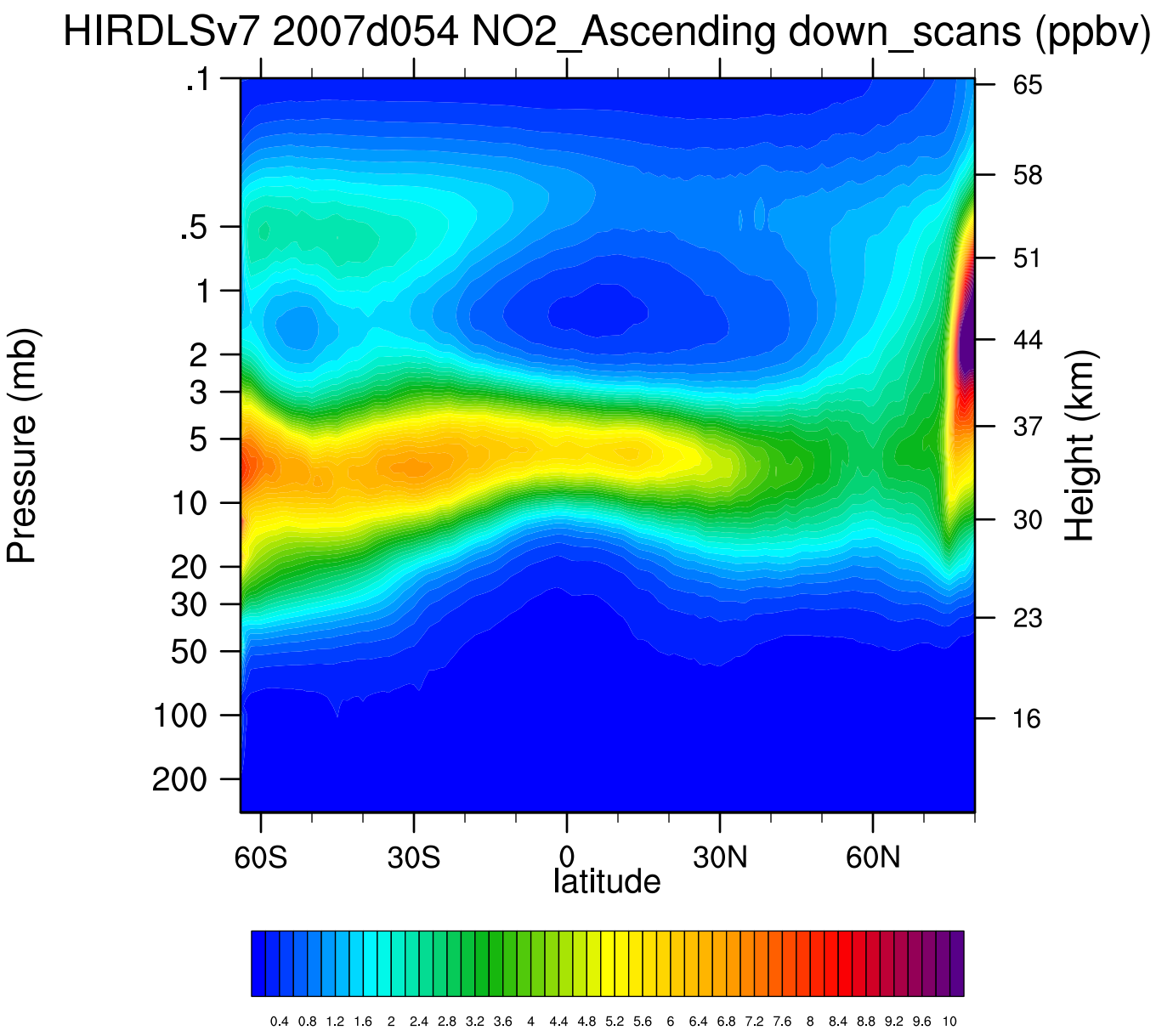
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d054 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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.5
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2
3
5
10
20
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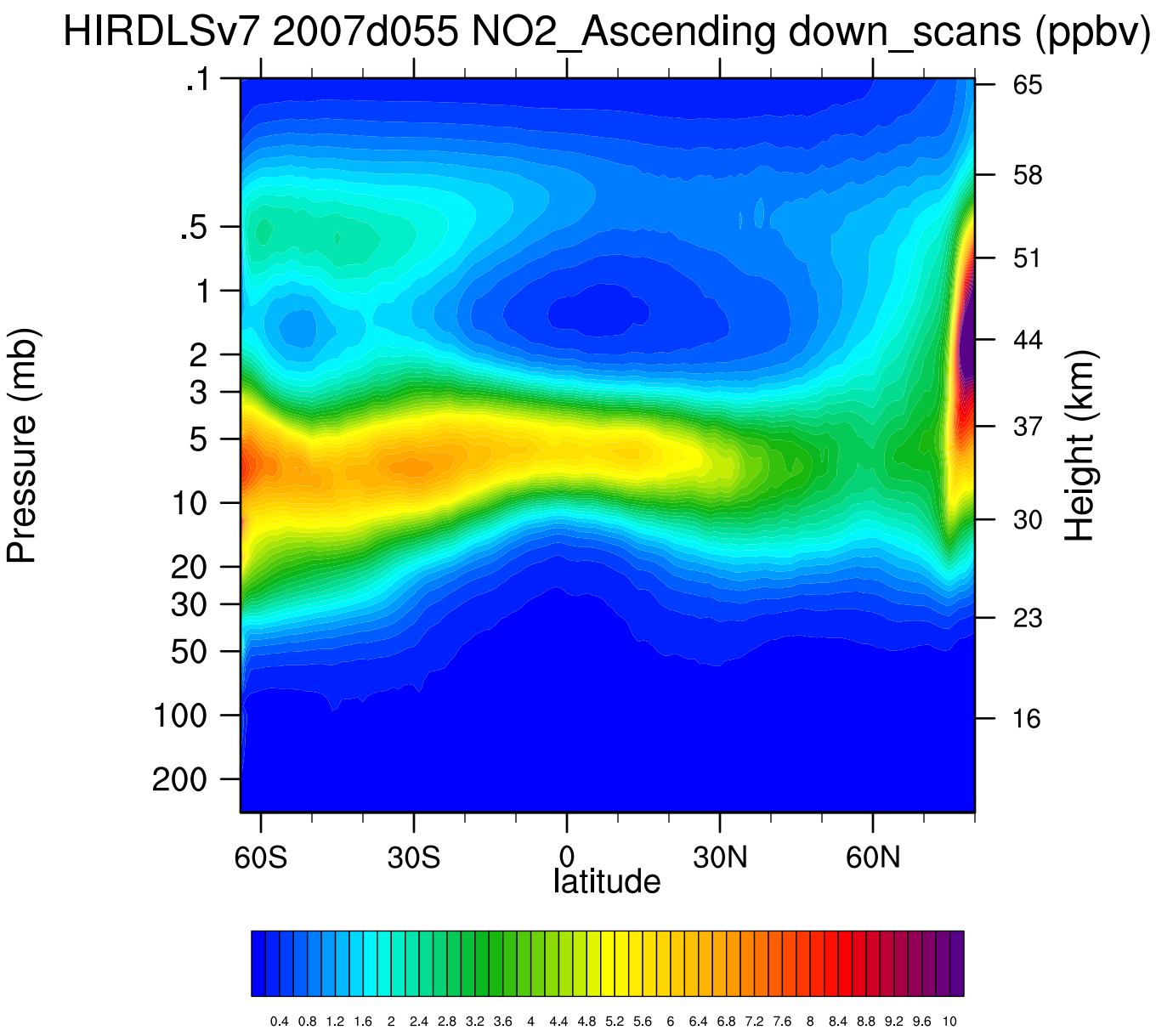
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d055 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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.5
1
2
3
5
10
20
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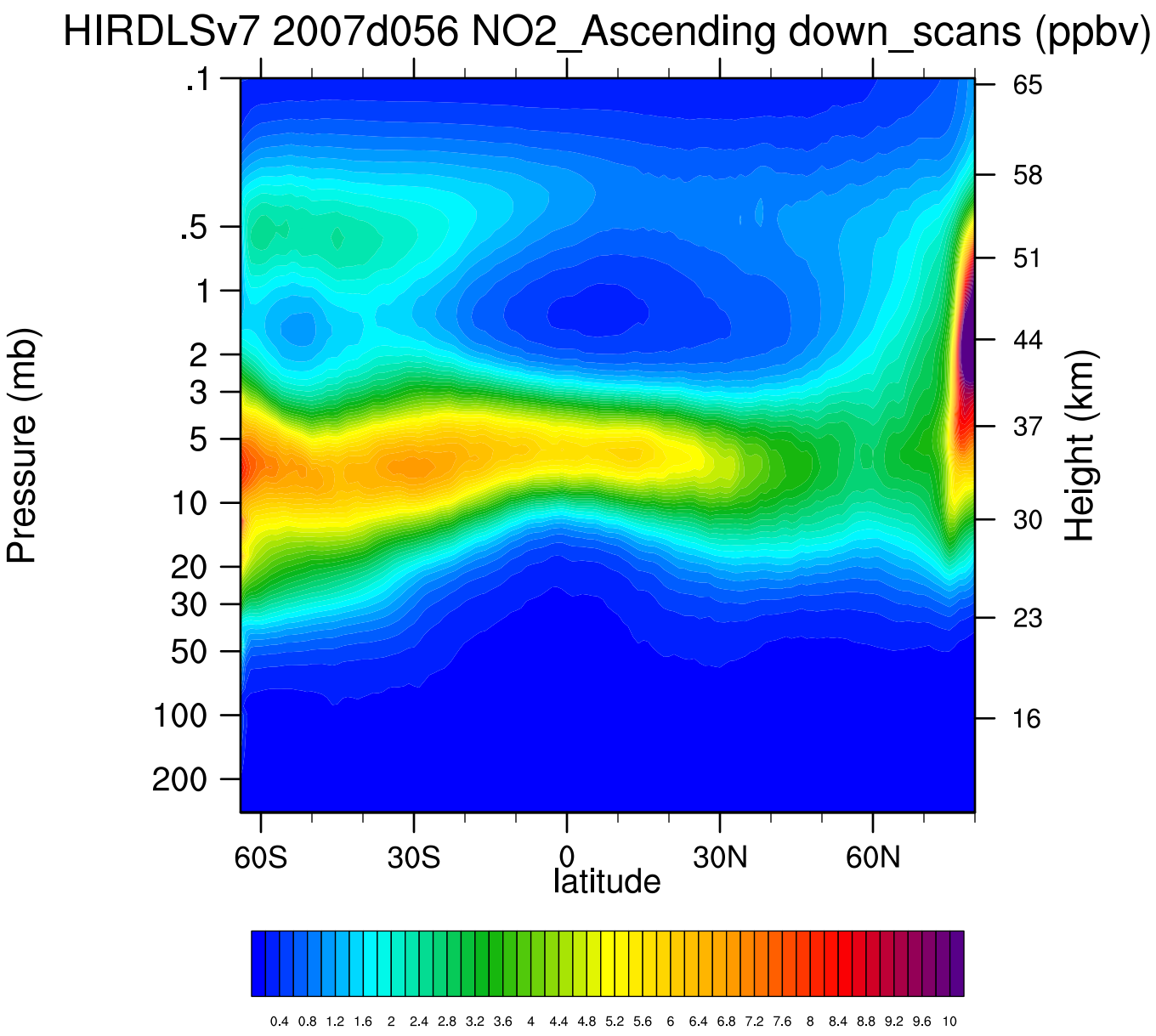
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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.5
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2
3
5
10
20
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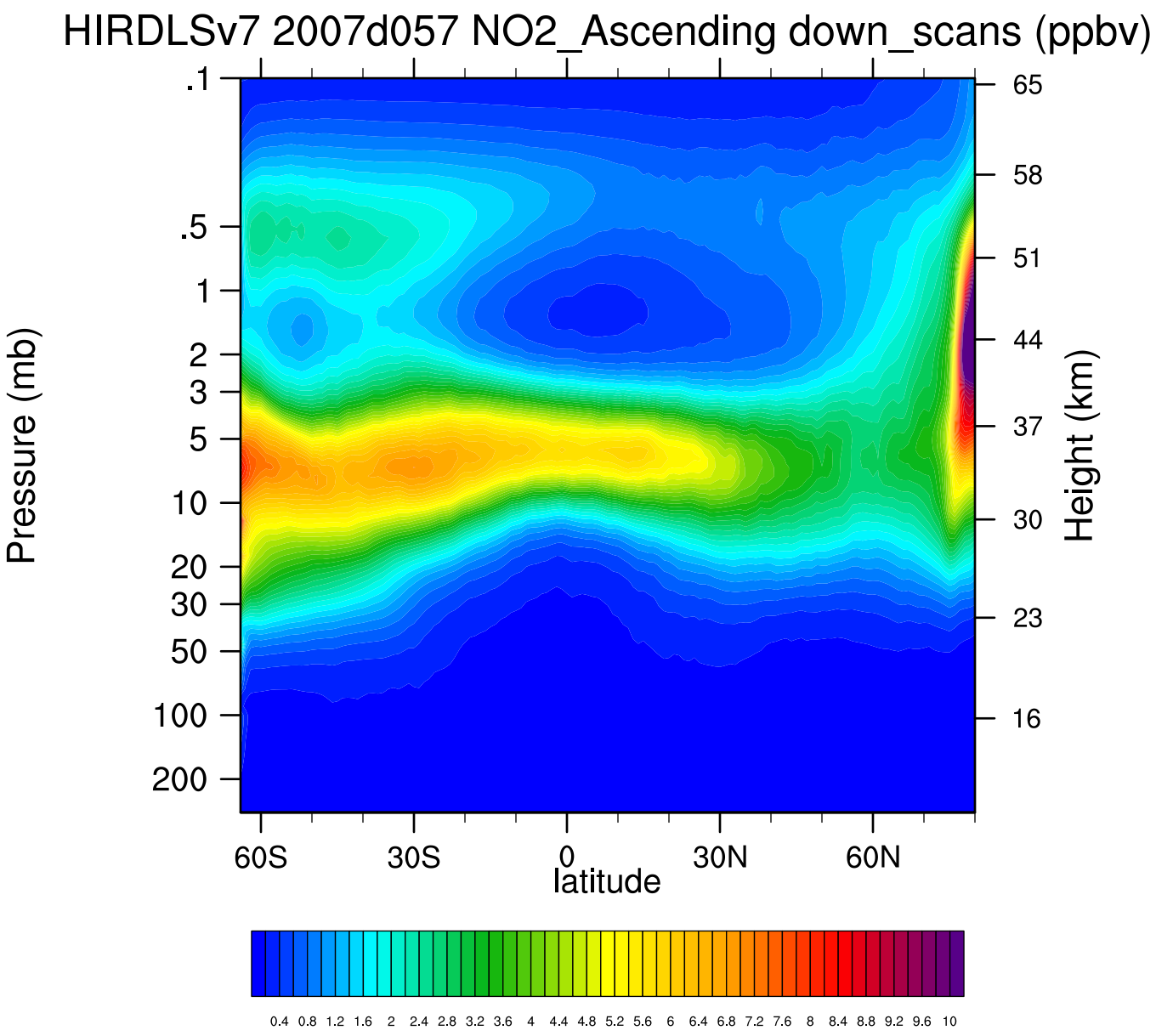
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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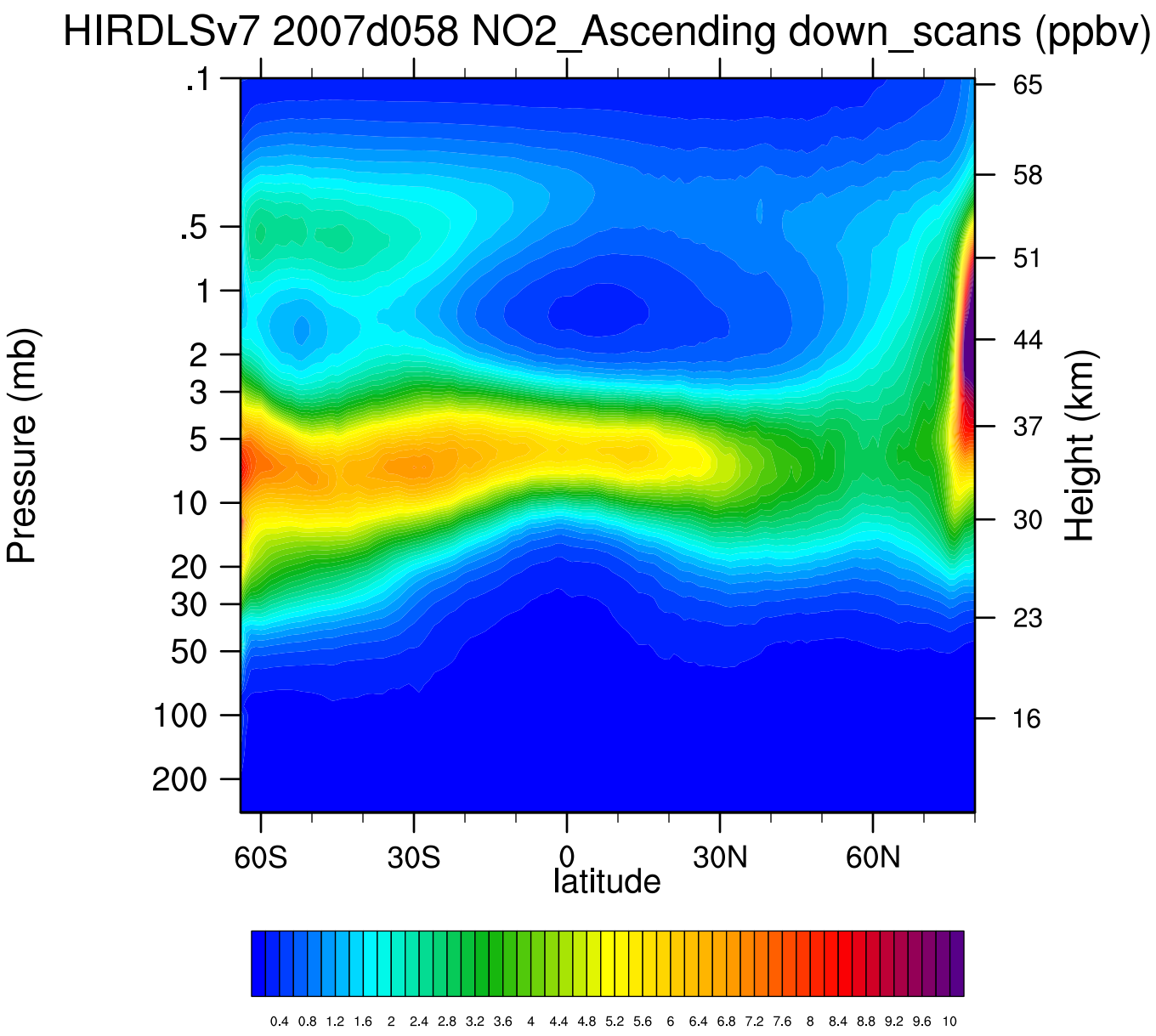
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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.5
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2
3
5
10
20
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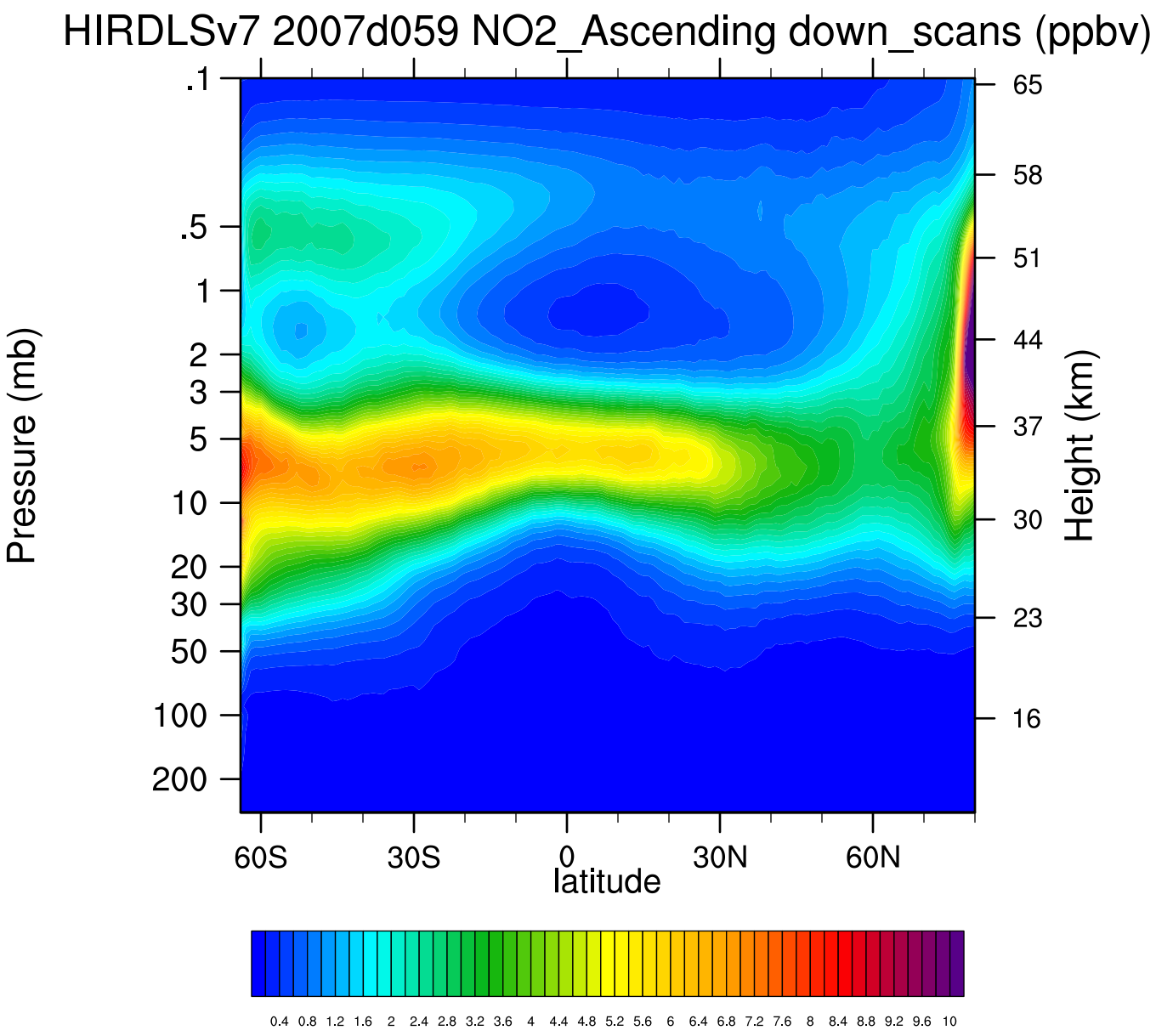
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d059 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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.5
1
2
3
5
10
20
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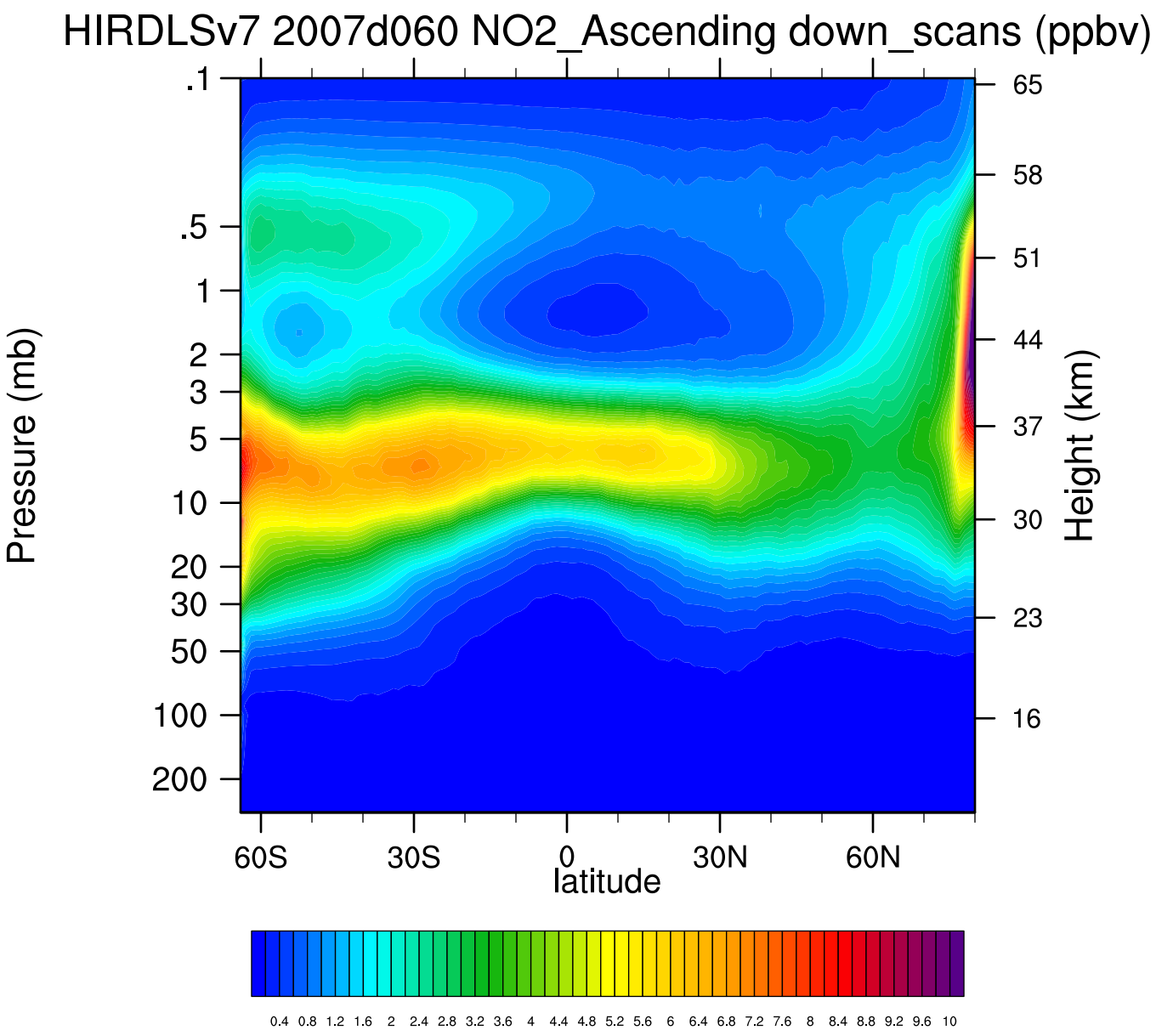
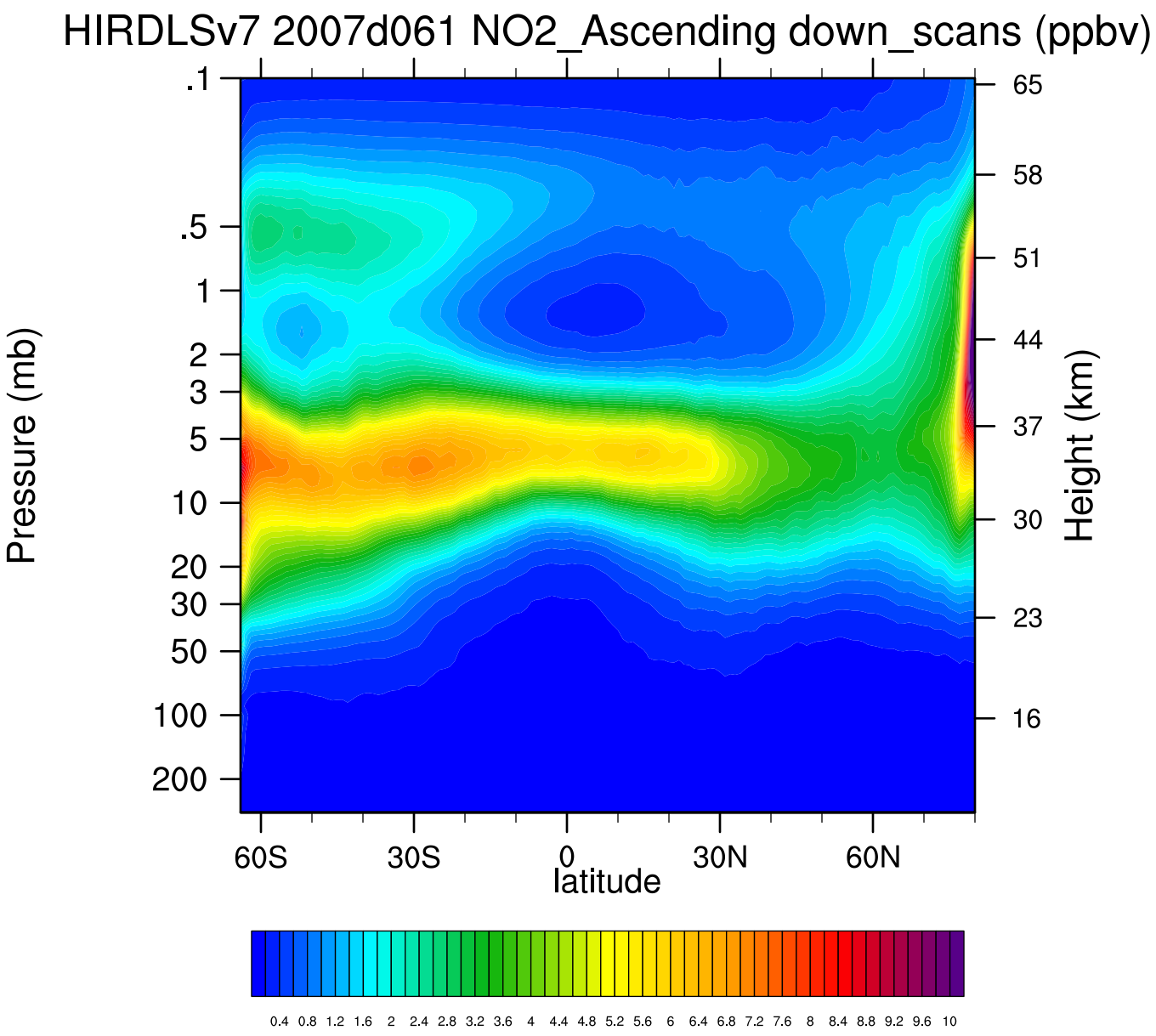
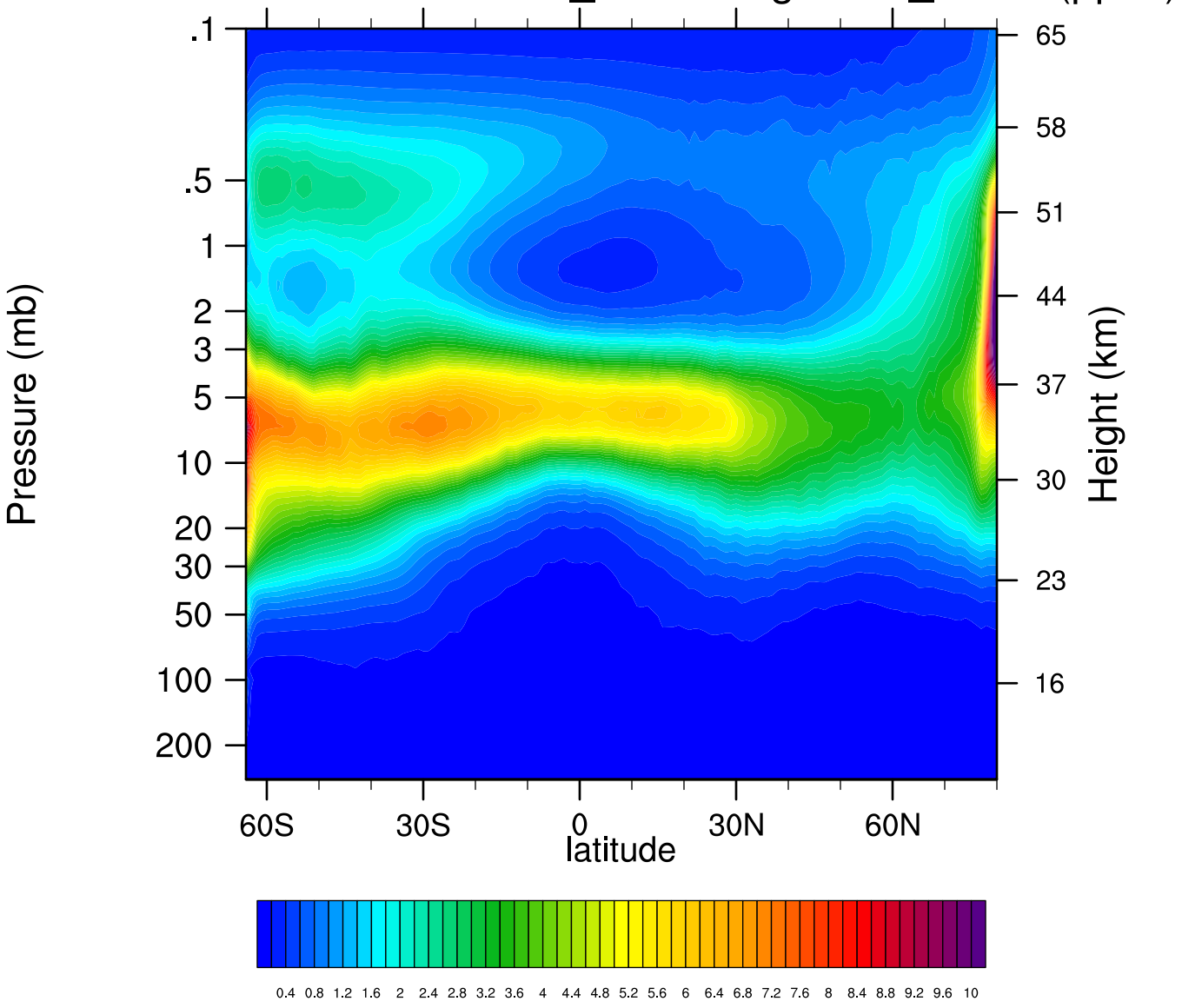
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d060 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d061 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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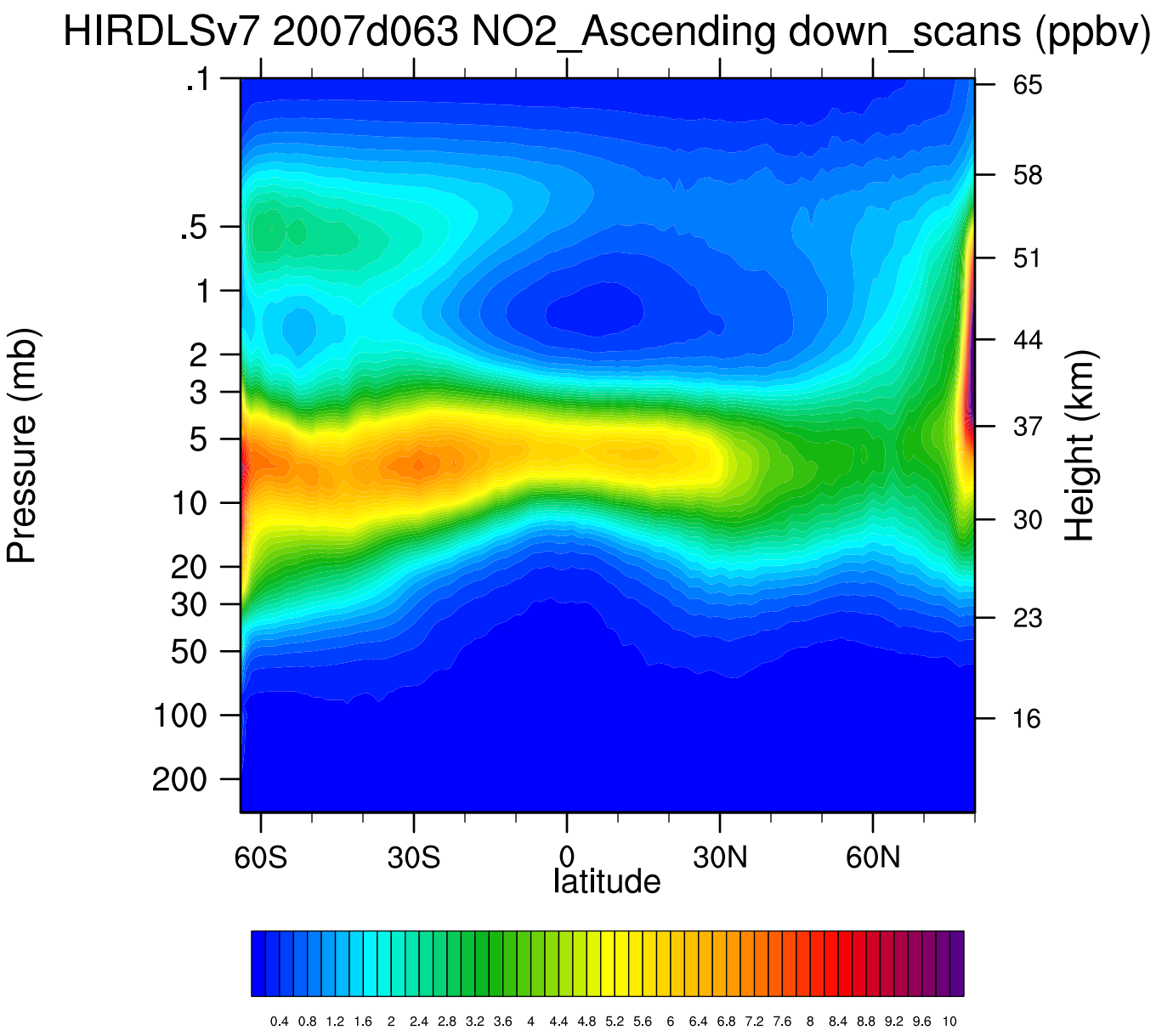
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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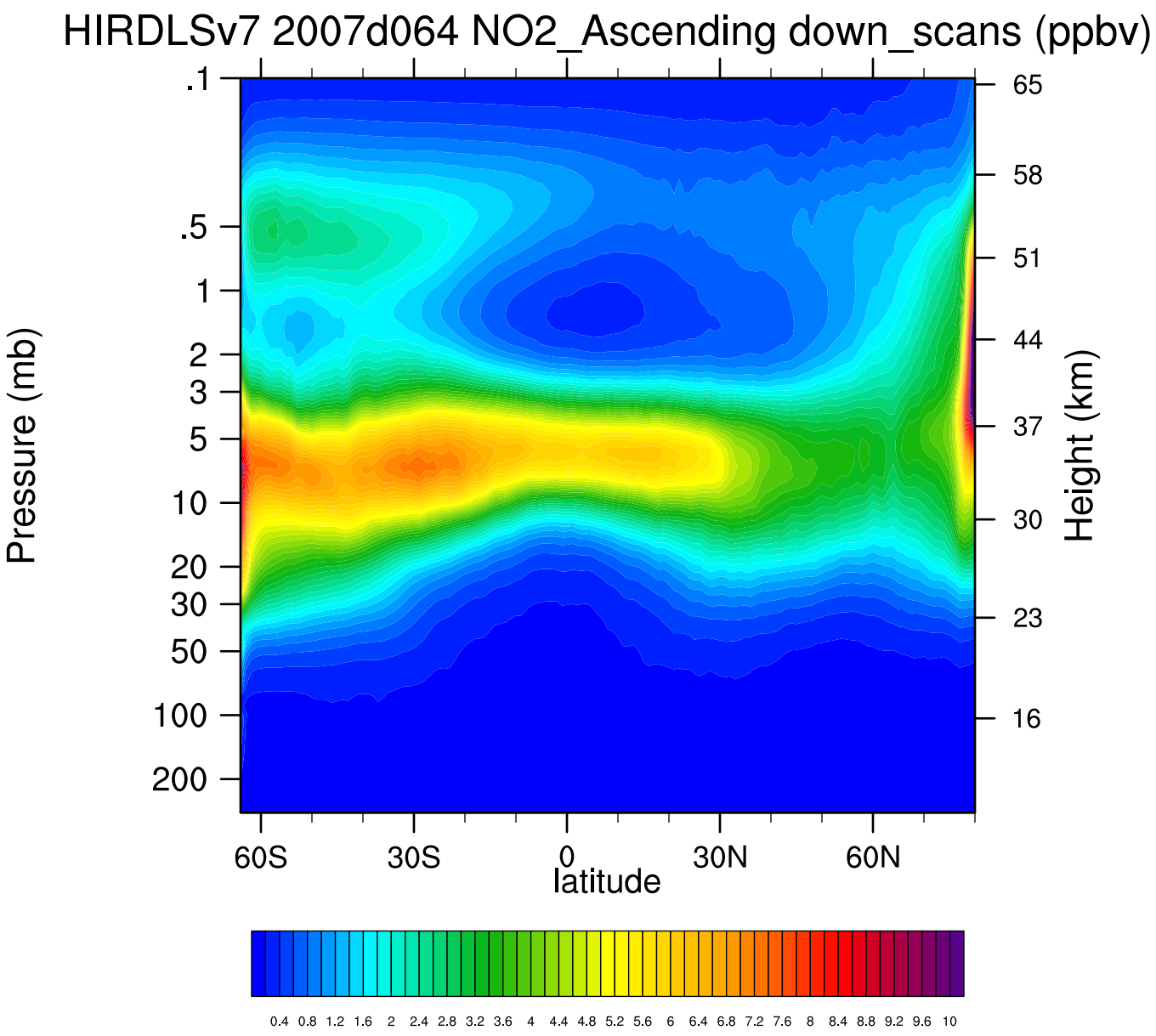
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d064 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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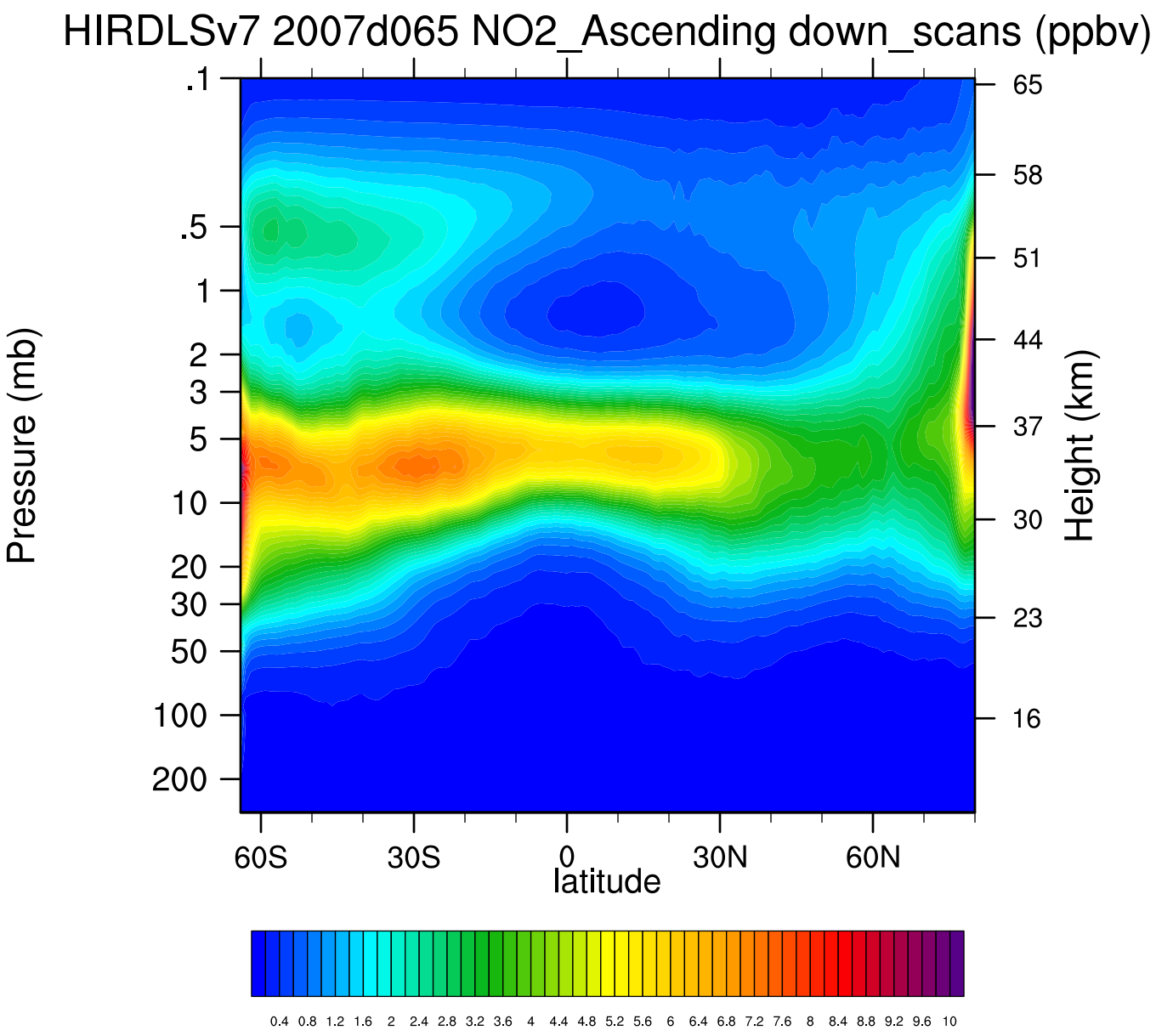
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d065 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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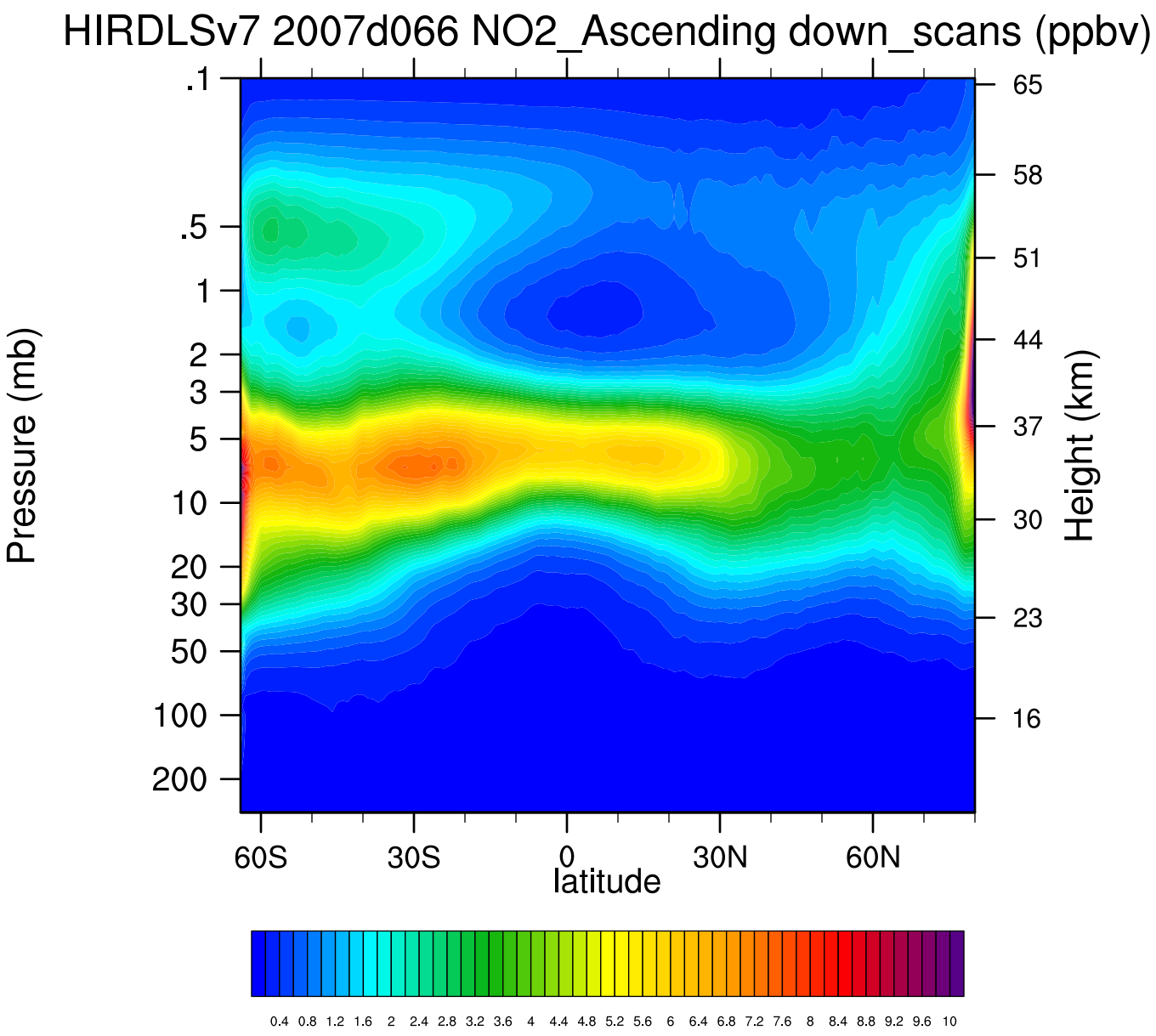
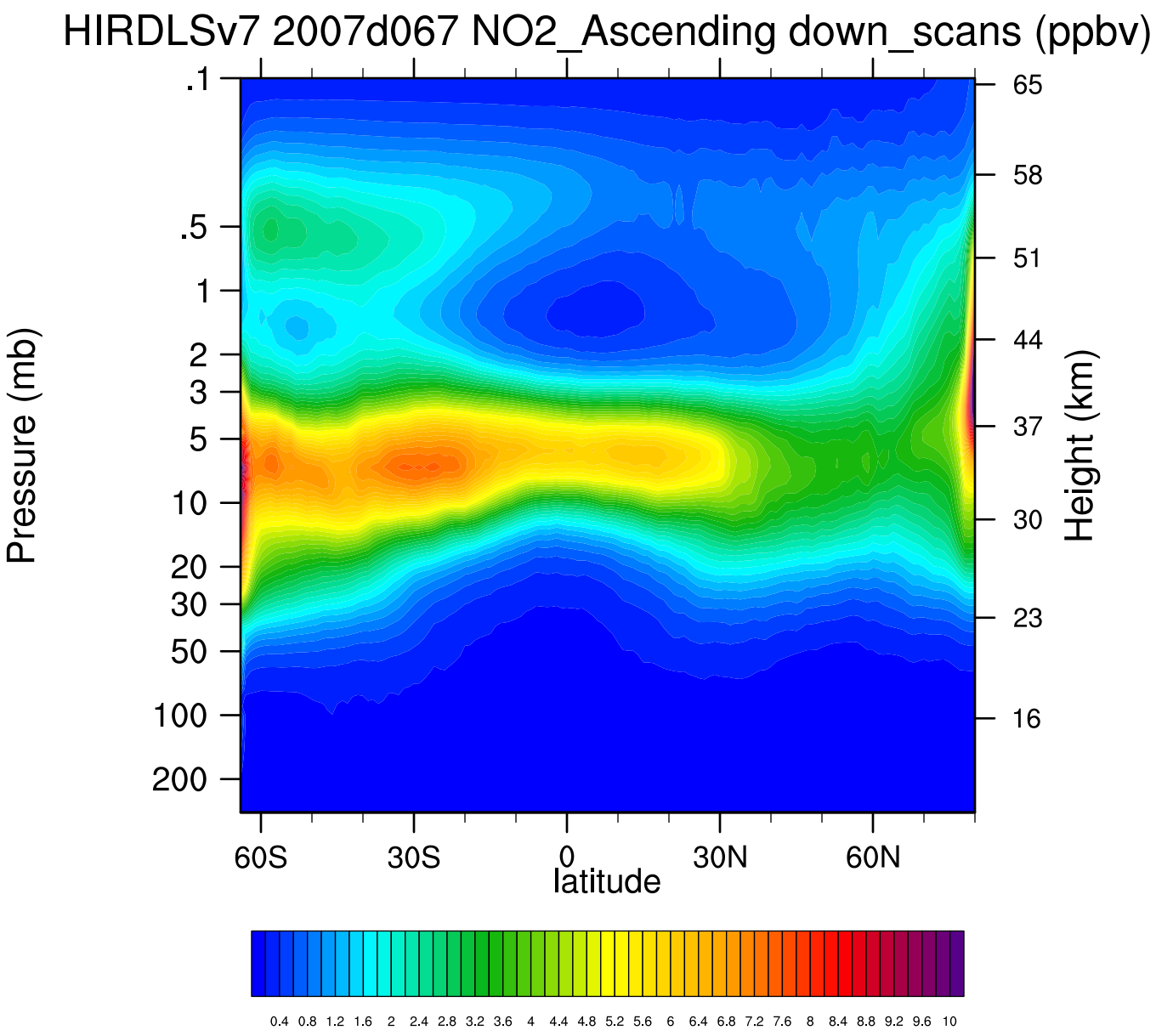
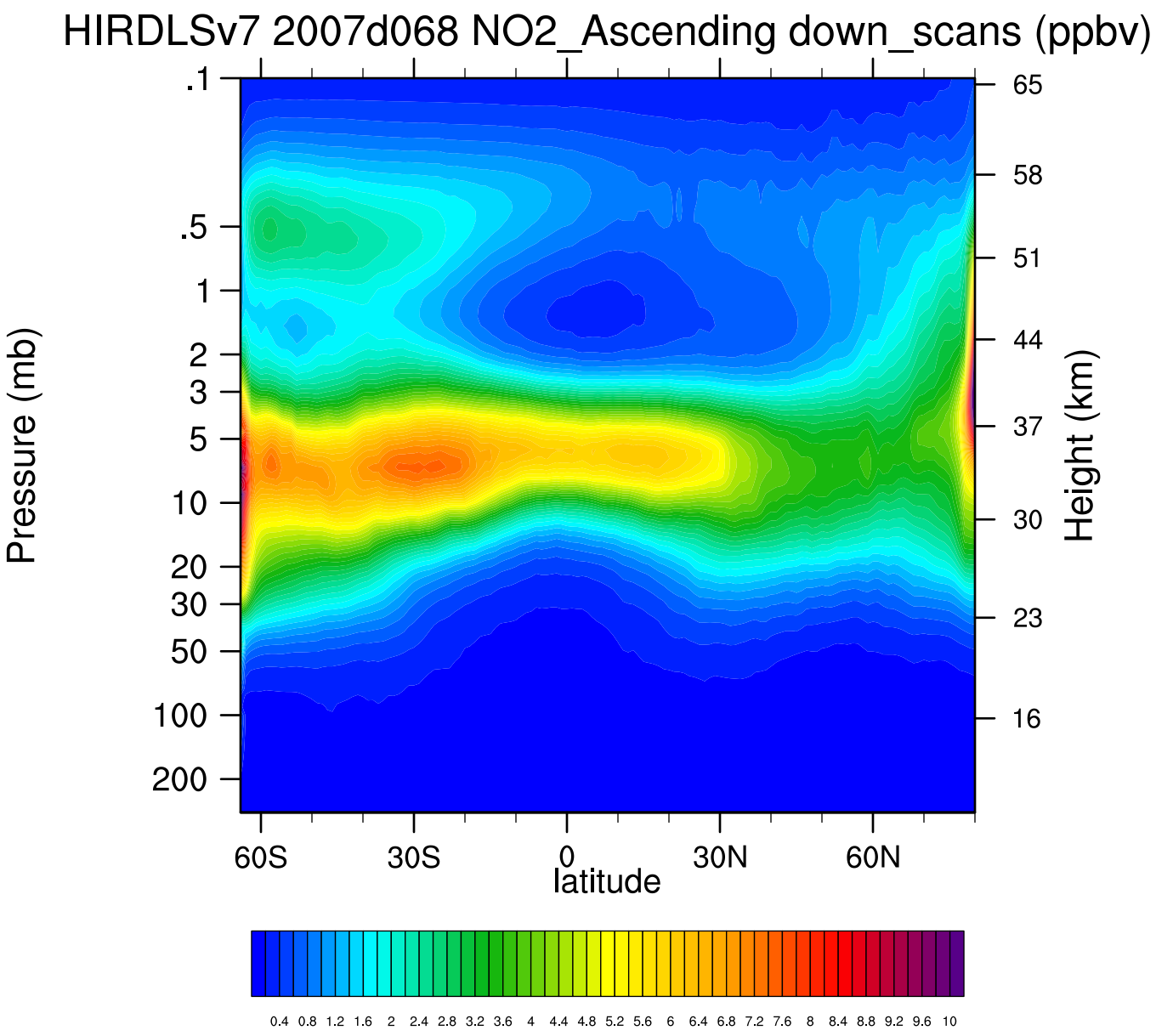
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d066 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d067 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
.1
.5
1
2
3
5
10
20
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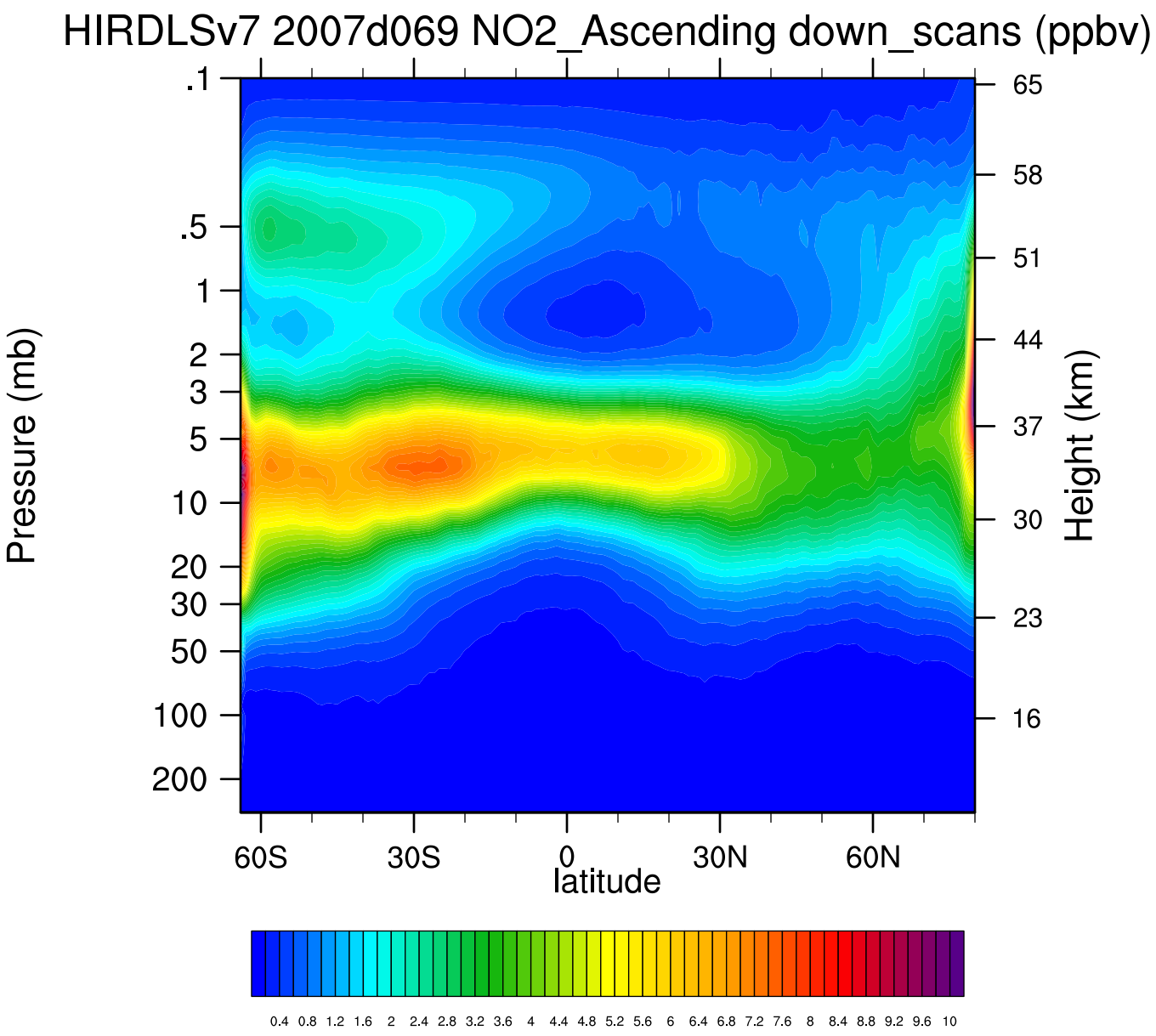
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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.5
1
2
3
5
10
20
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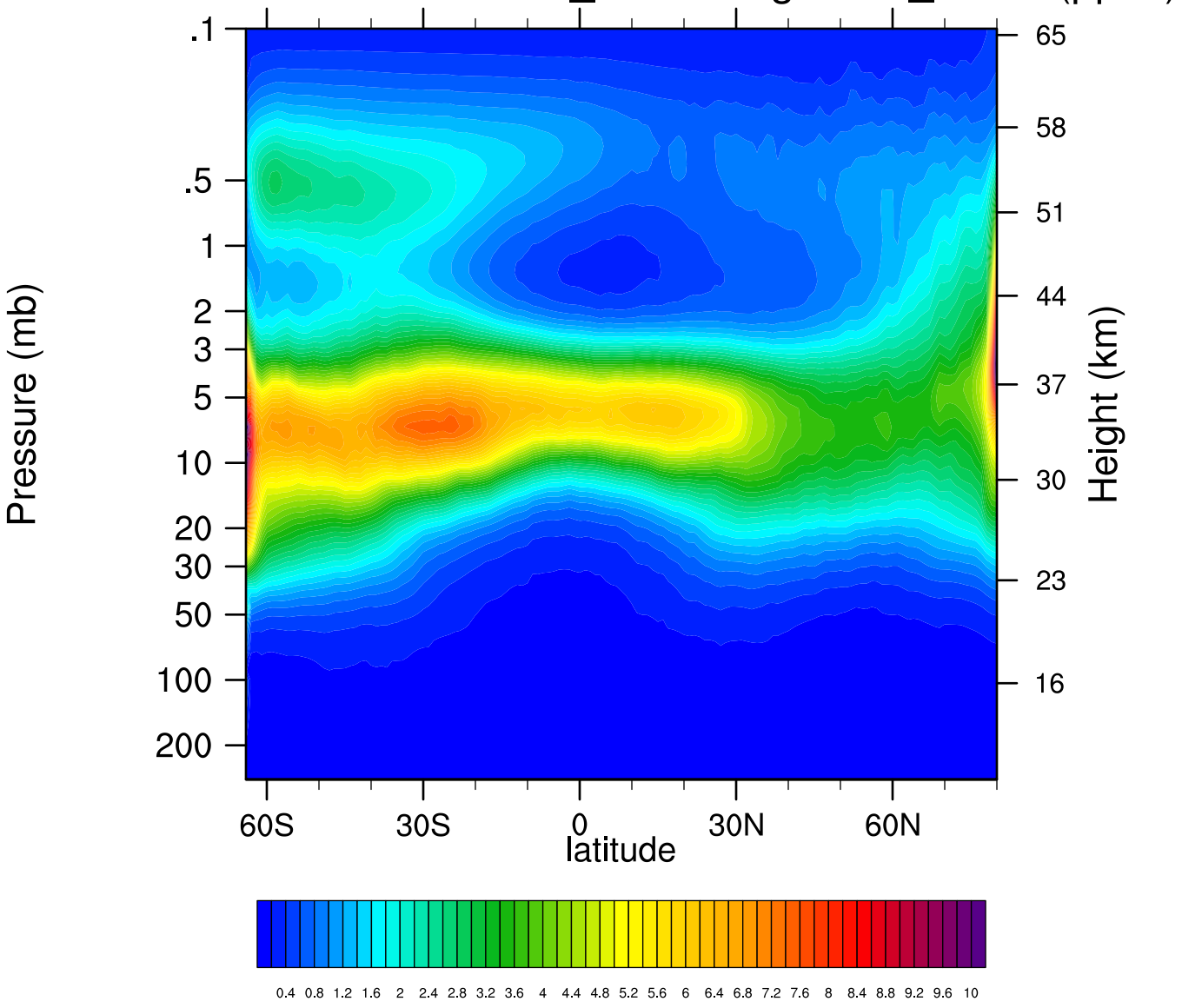
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d070 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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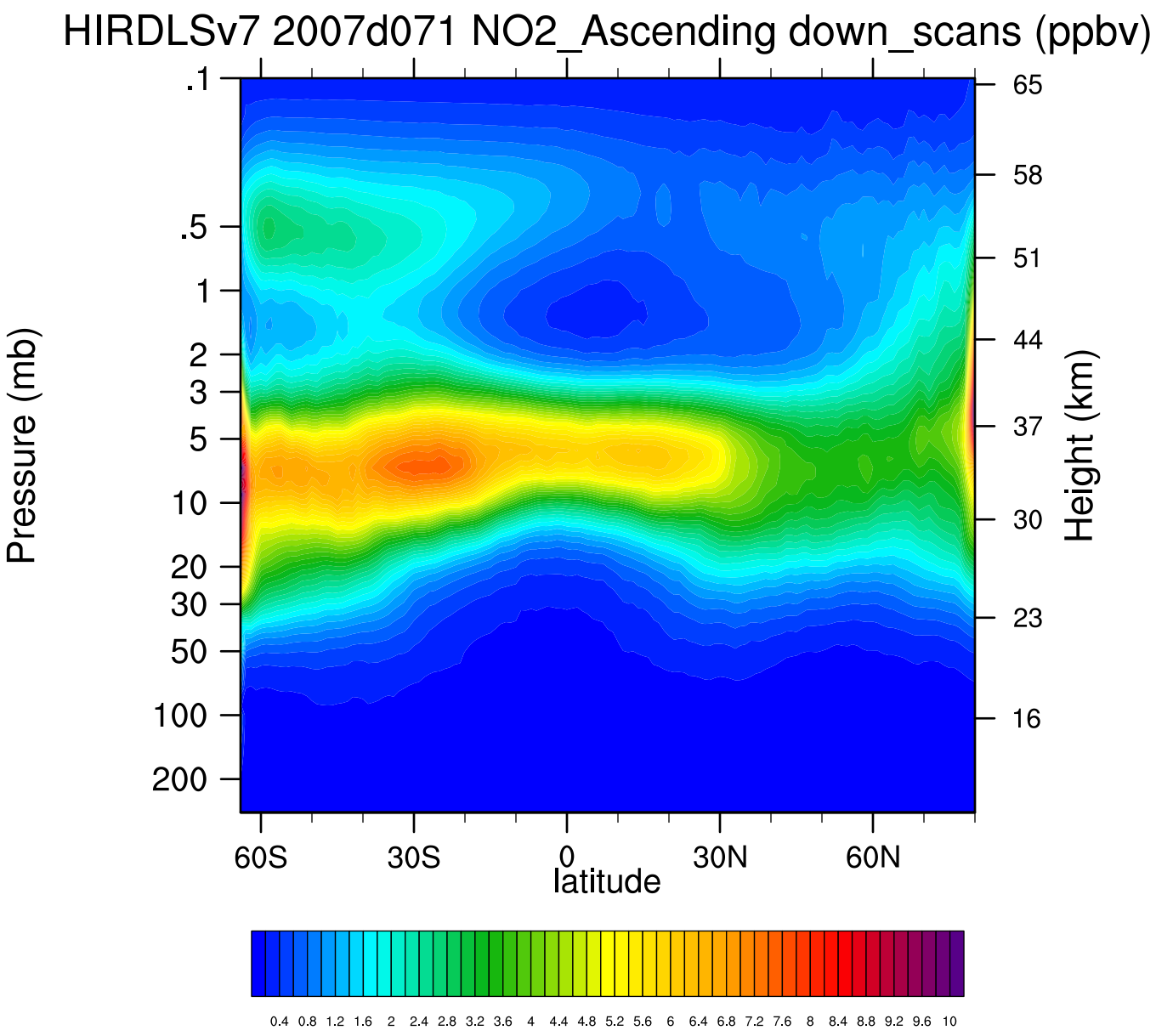
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d071 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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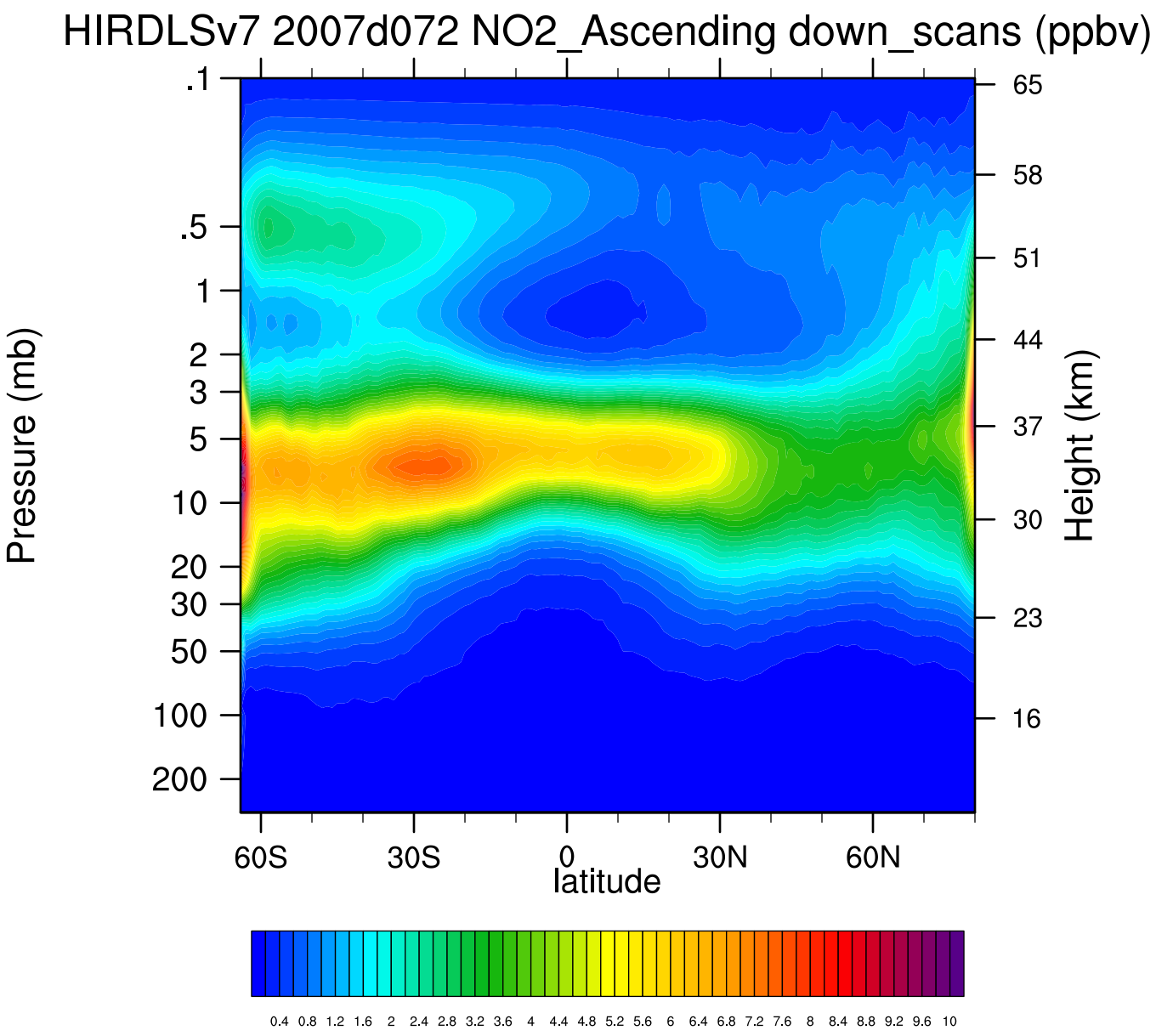
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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.5
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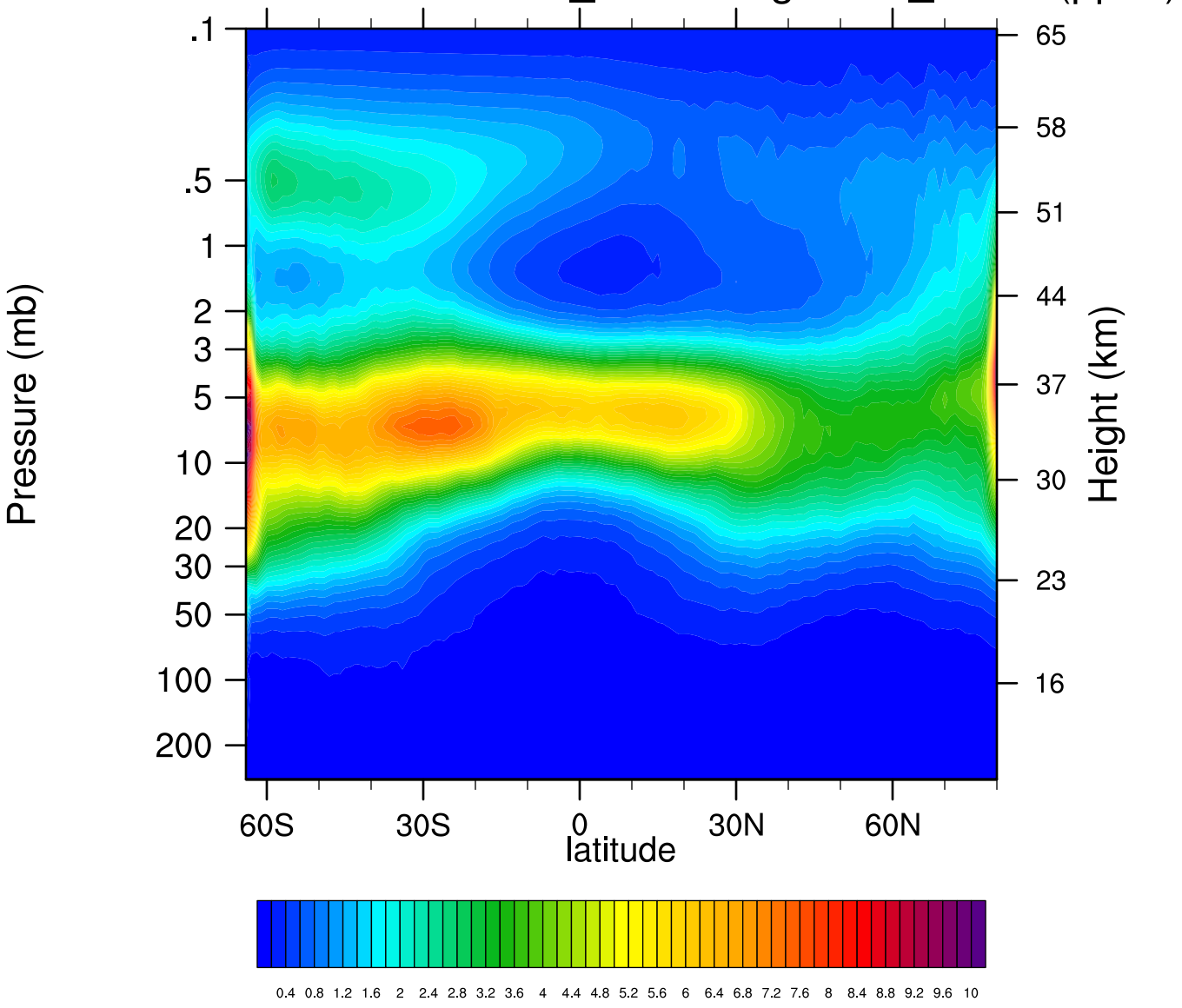
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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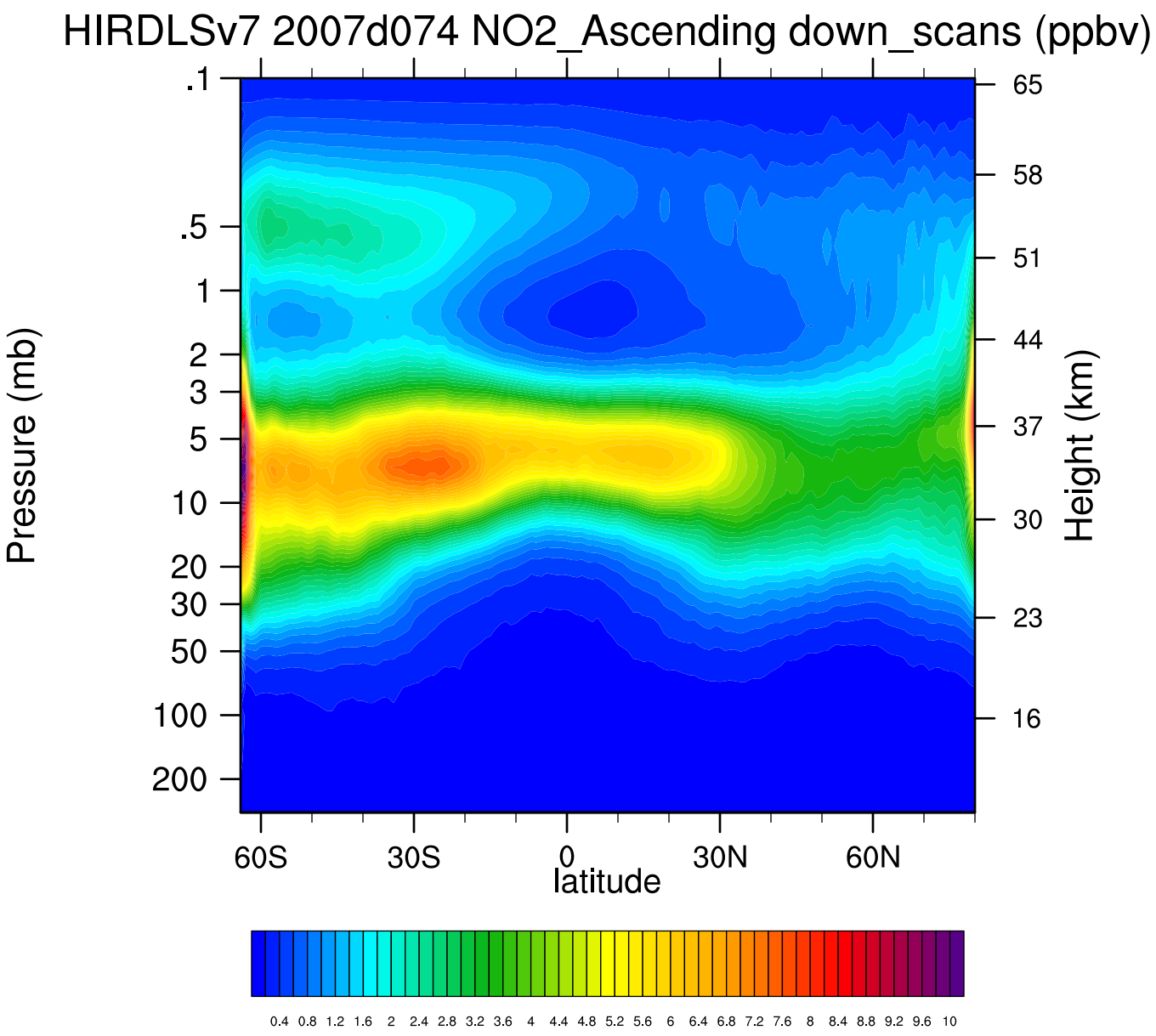
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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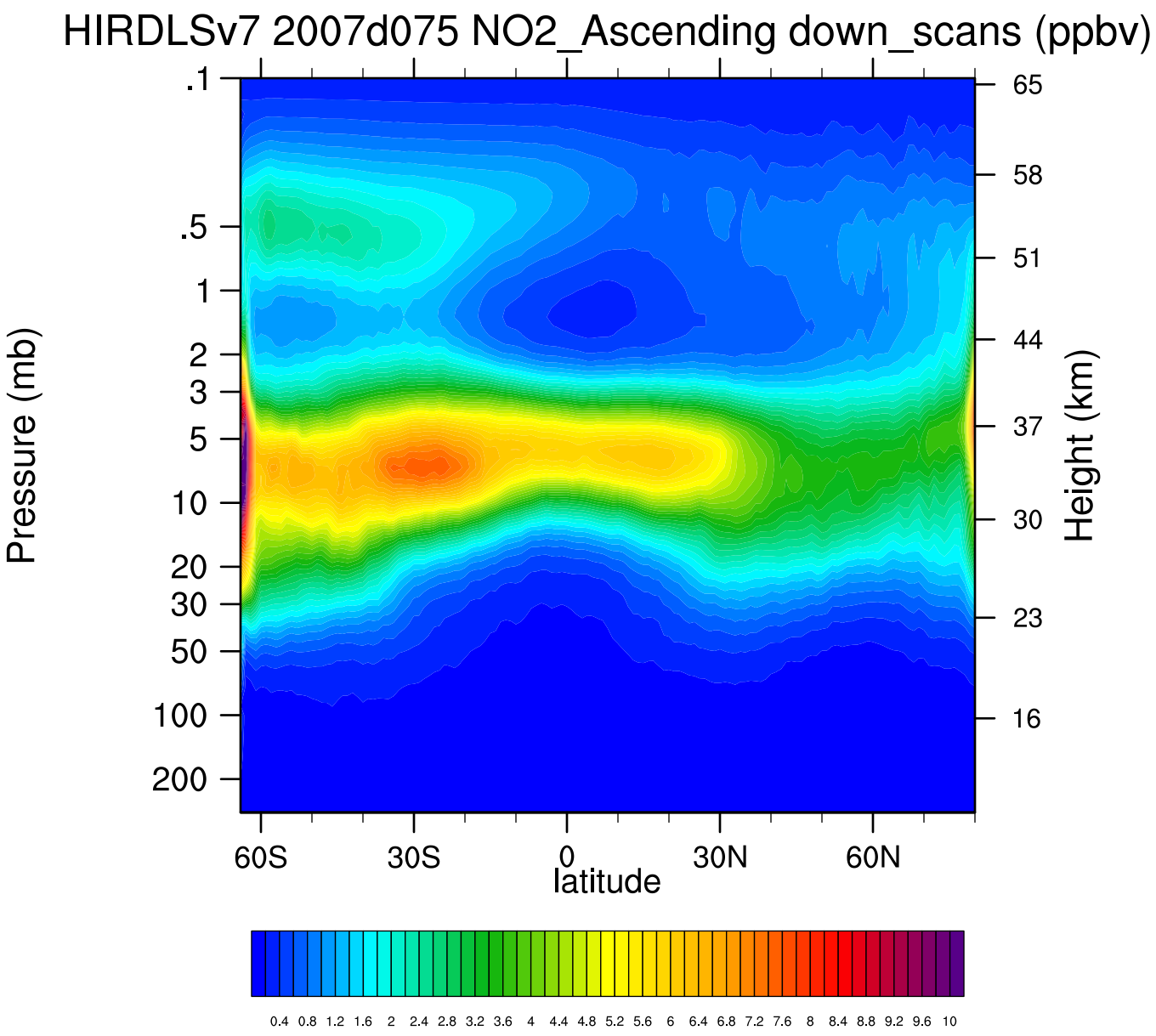
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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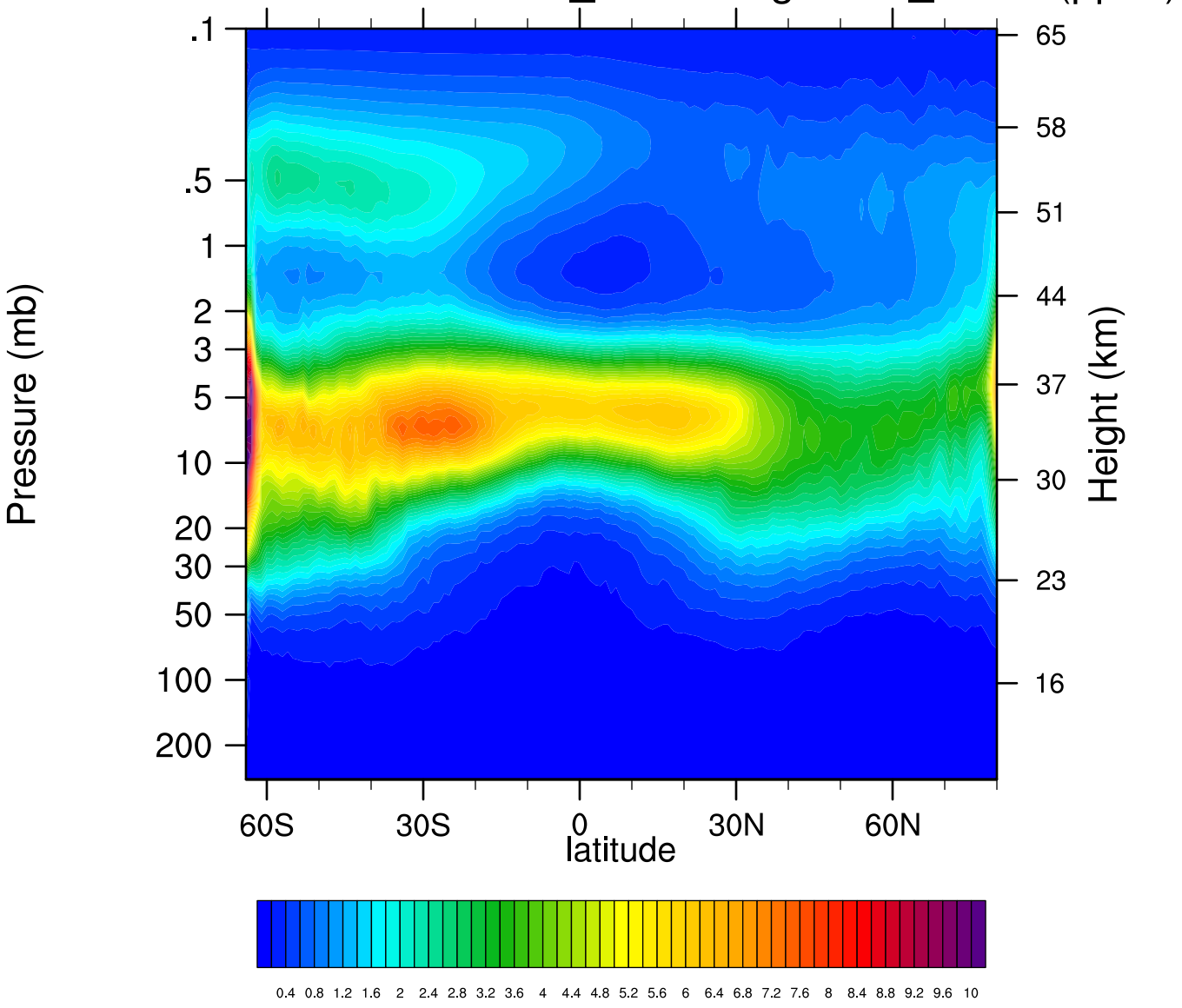
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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.5
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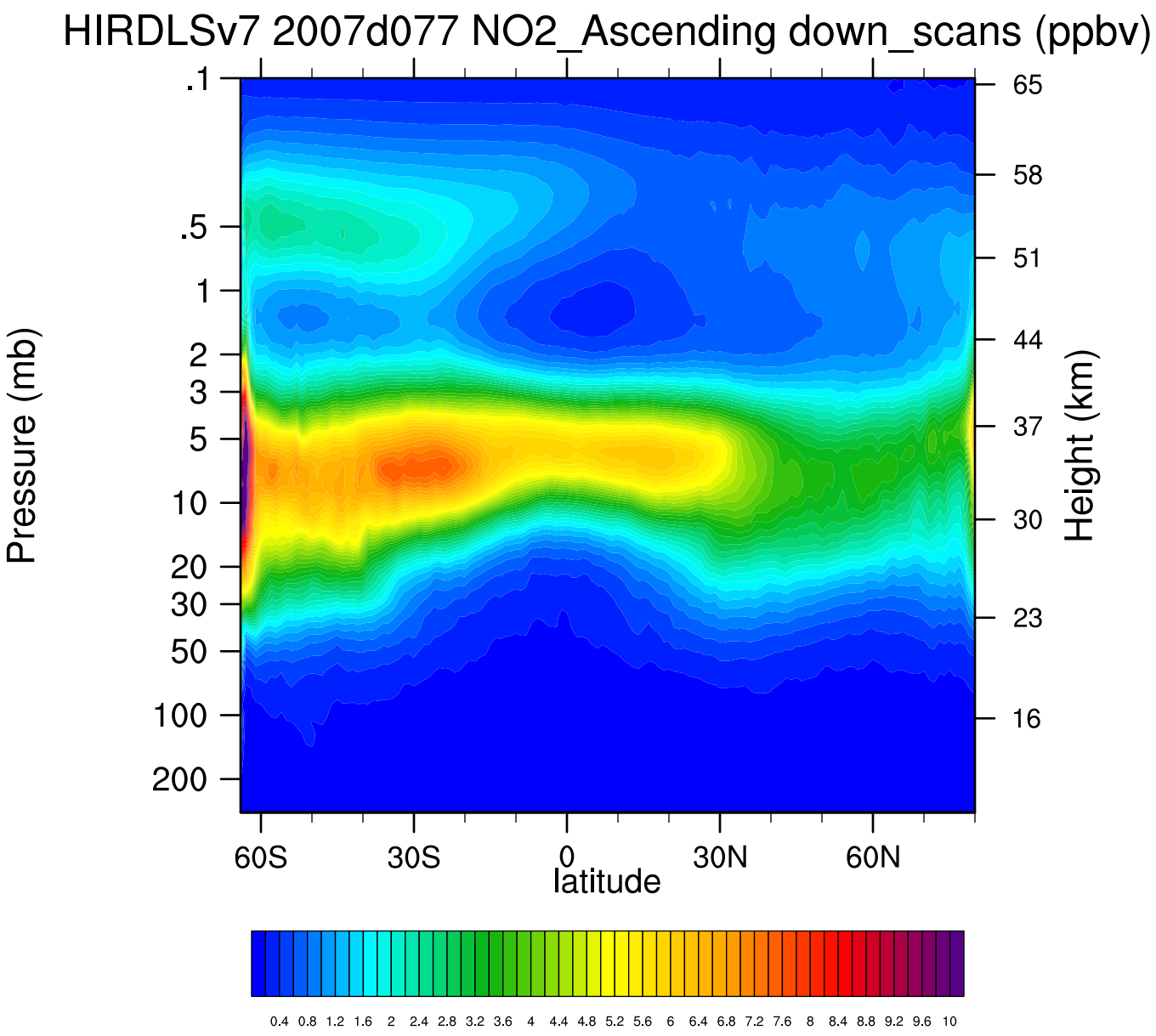
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d077 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
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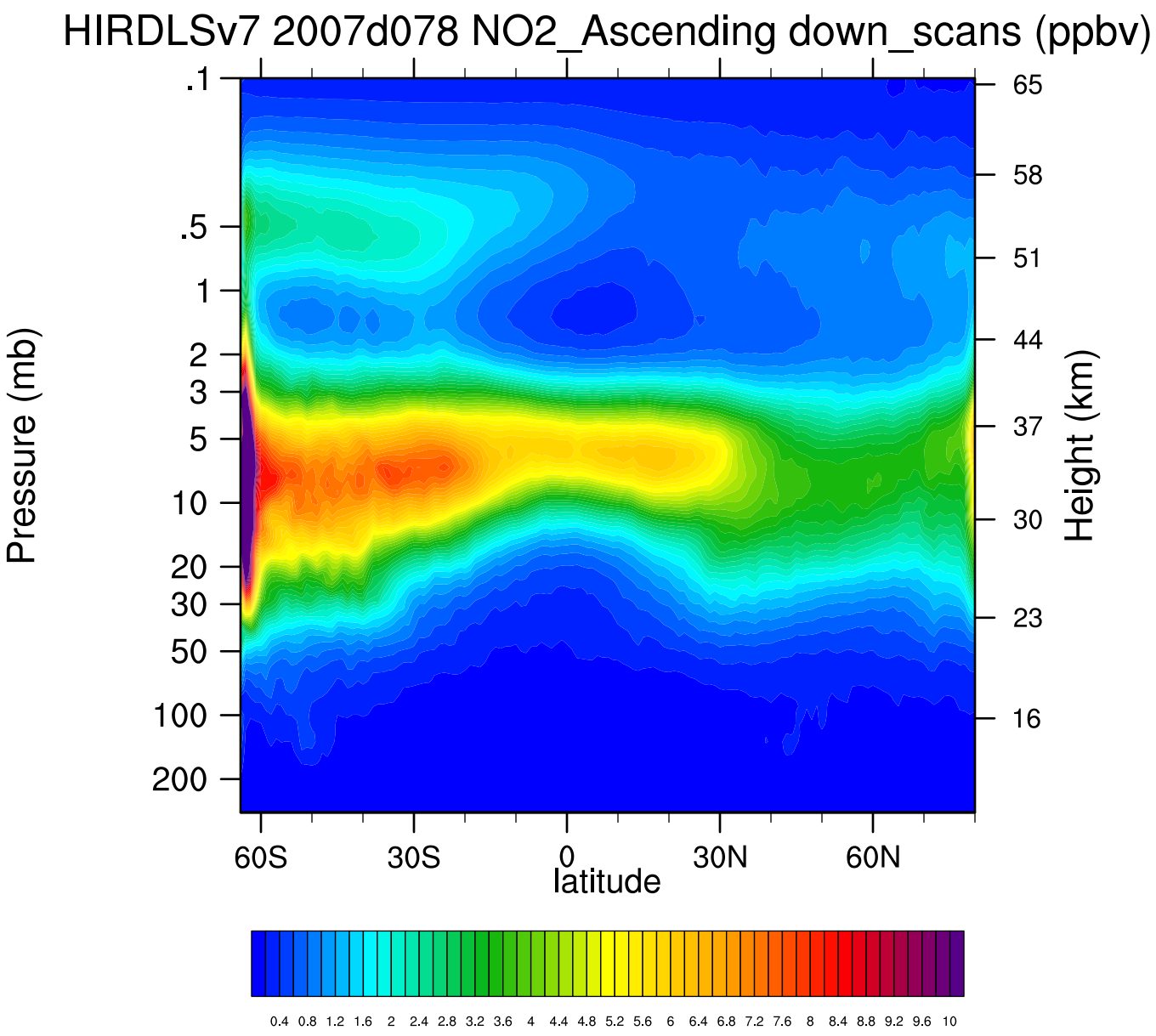
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d078 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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.5
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2
3
5
10
20
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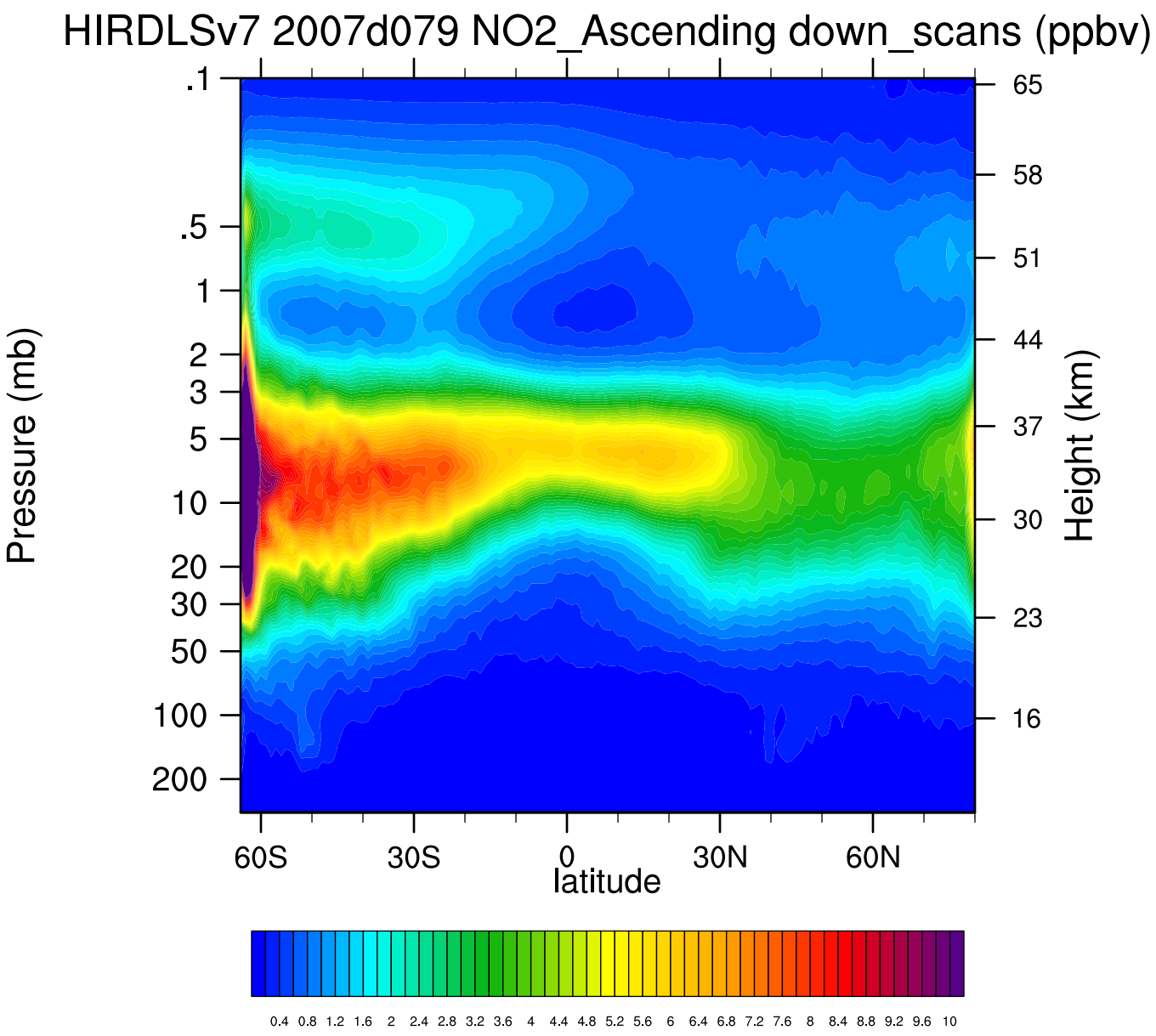
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d079 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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.5
1
2
3
5
10
20
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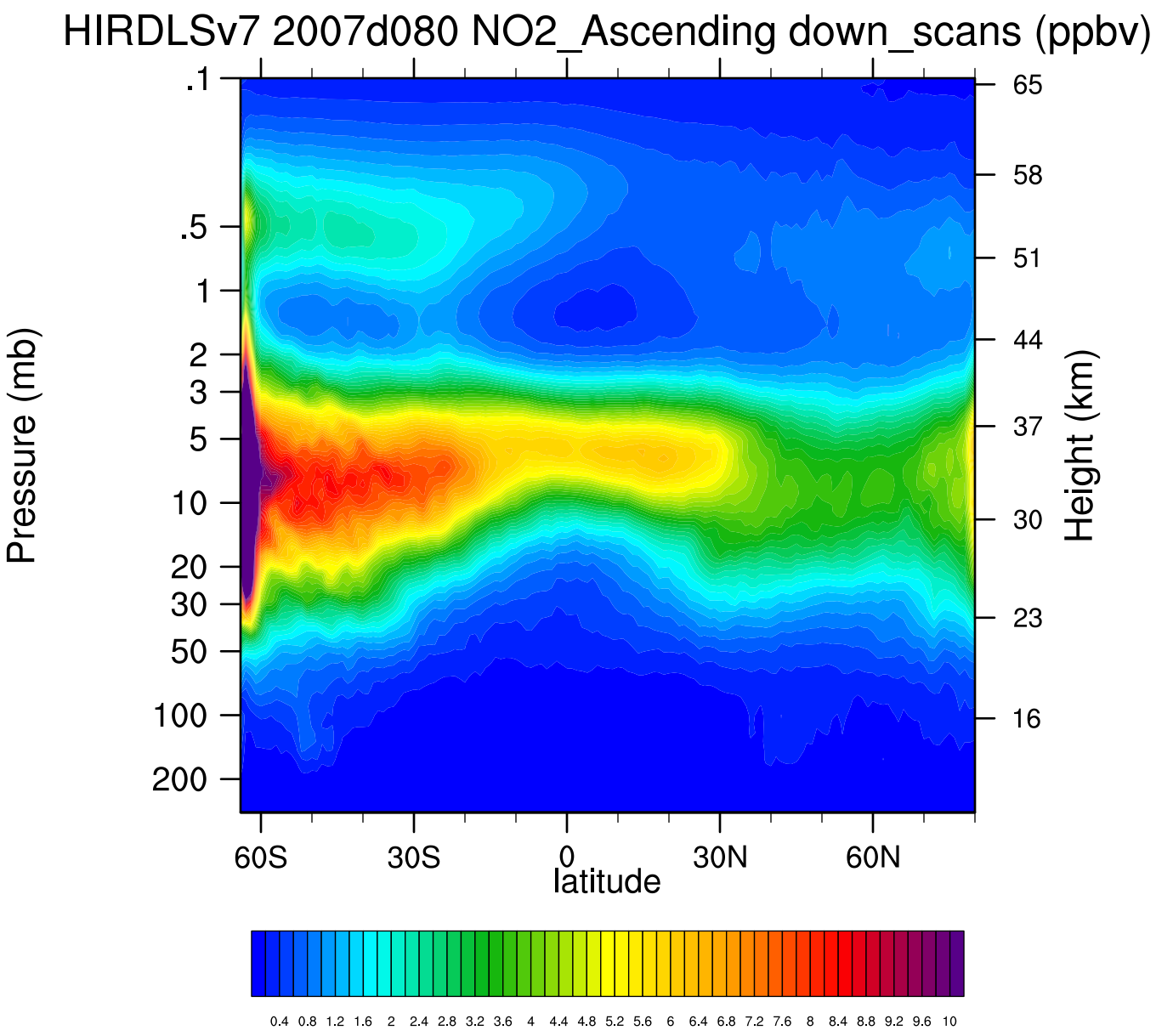
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d080 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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.5
1
2
3
5
10
20
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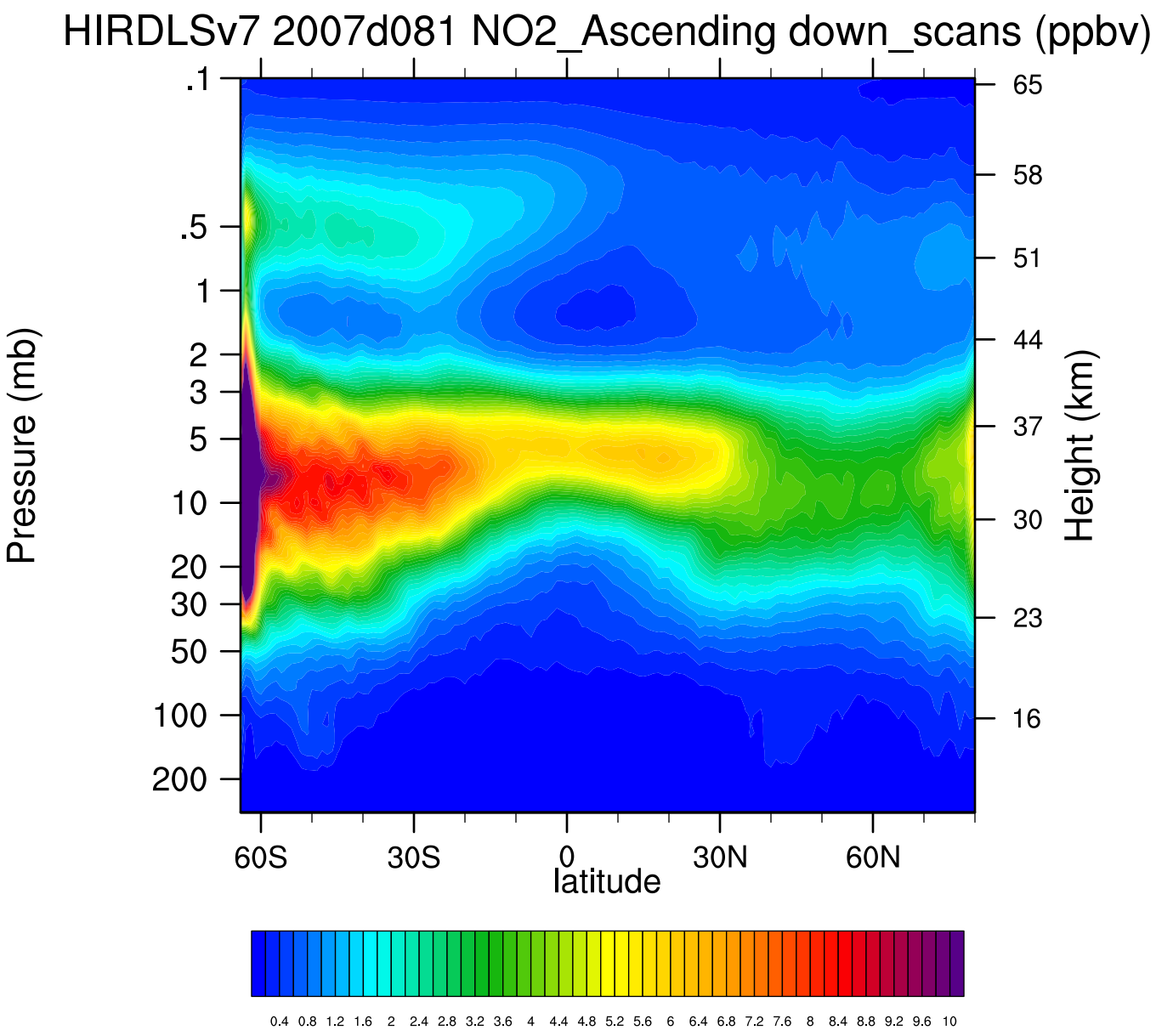
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d081 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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.5
1
2
3
5
10
20
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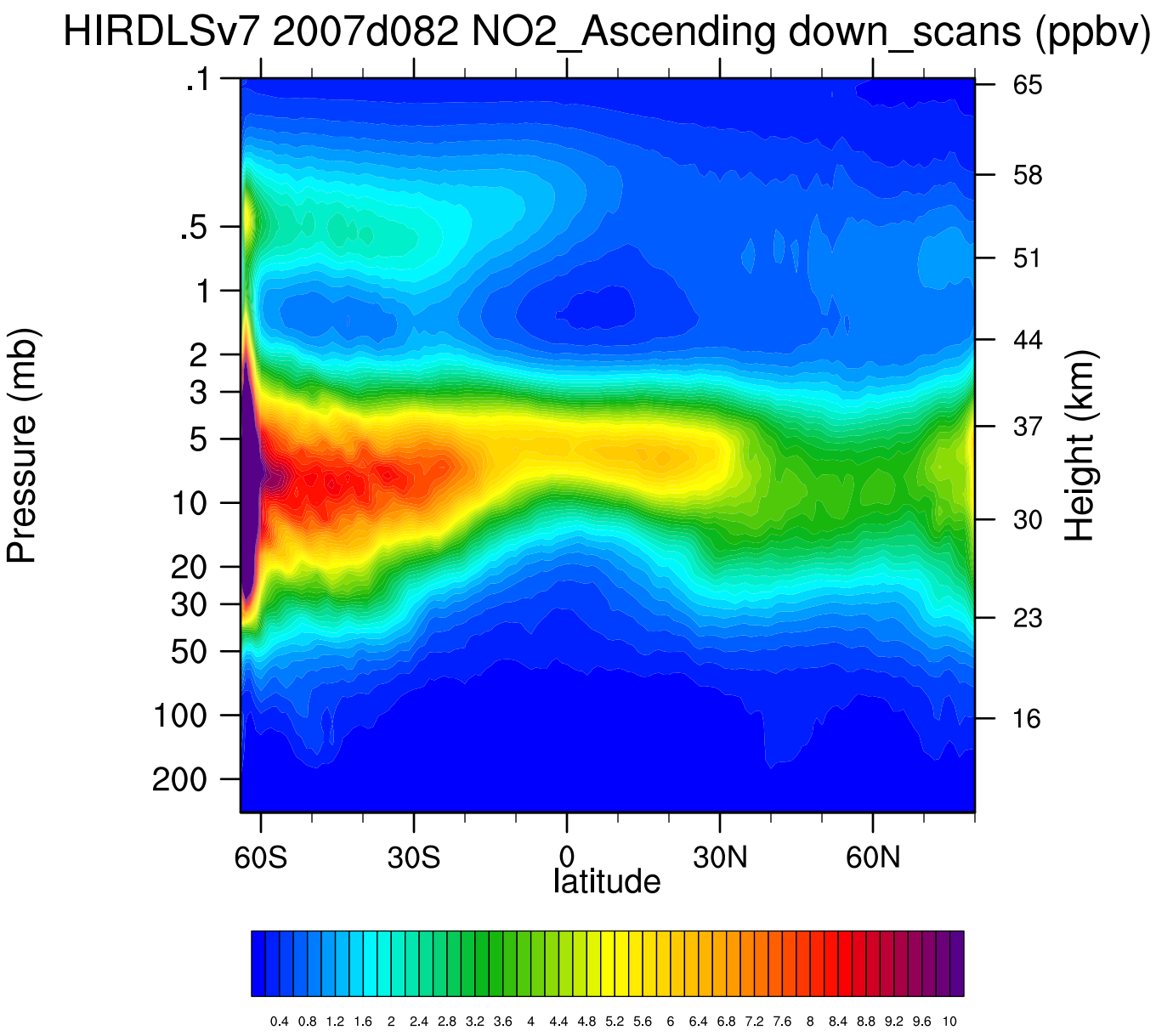
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d082 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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.5
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3
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10
20
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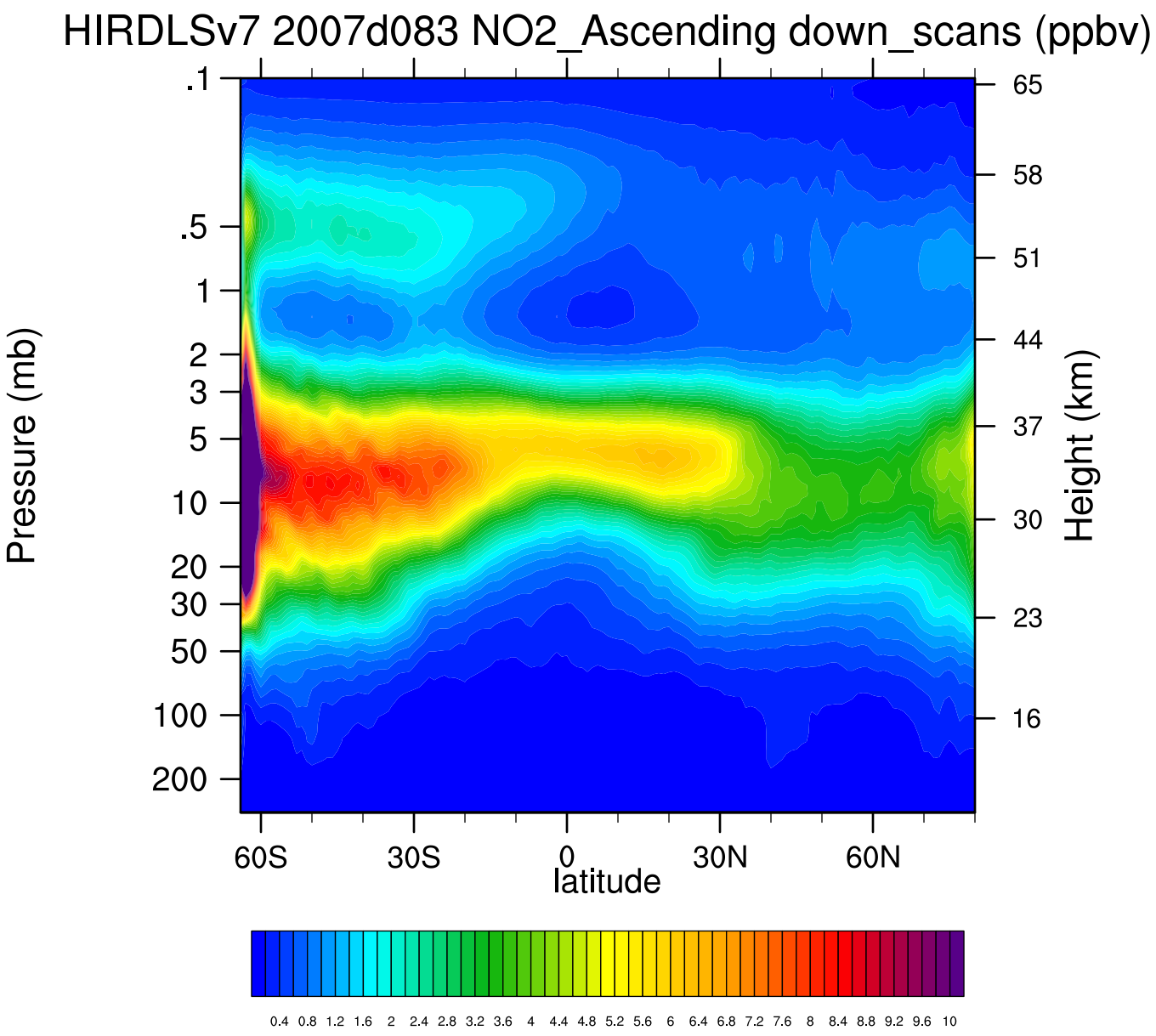
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d083 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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.5
1
2
3
5
10
20
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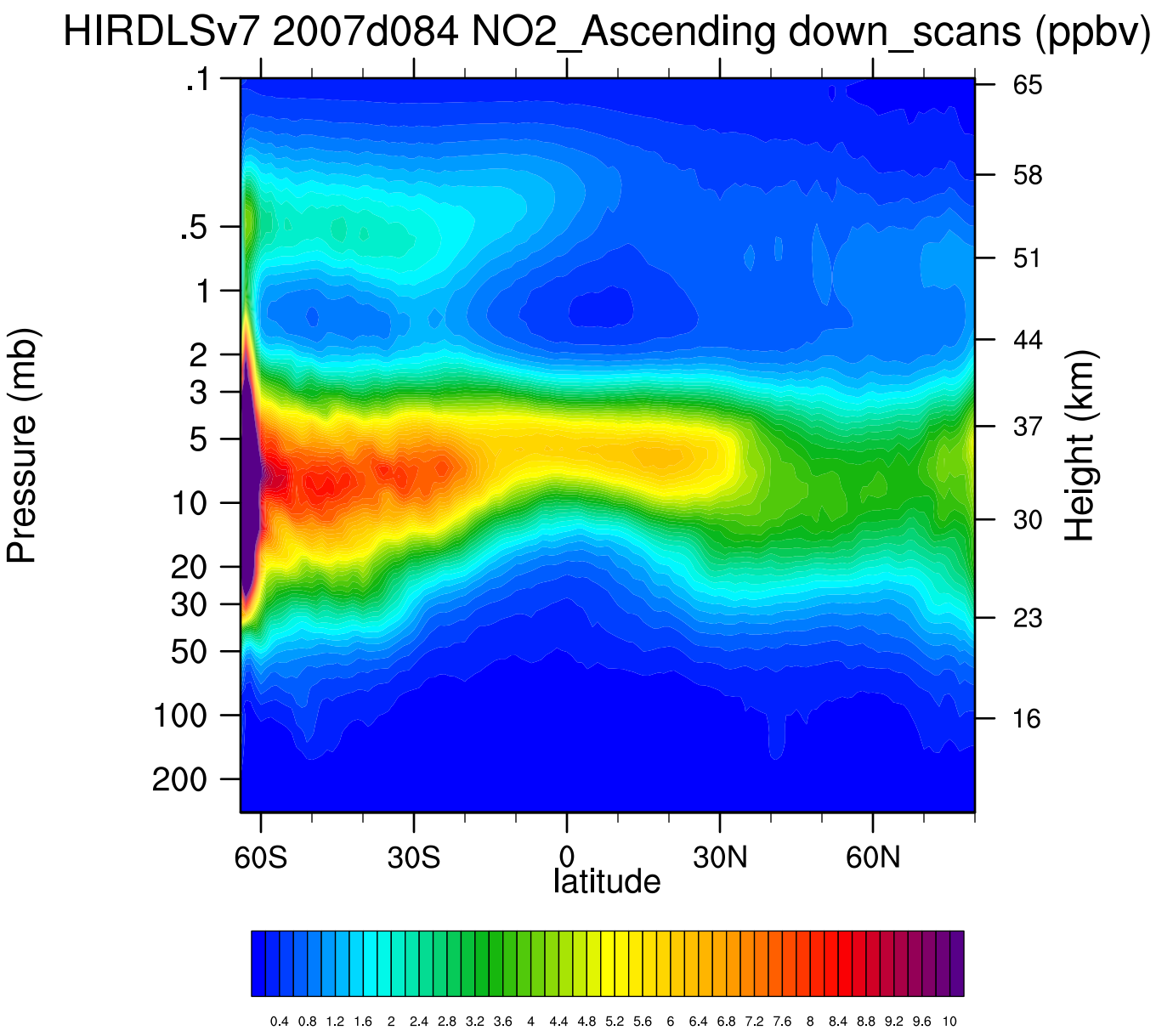
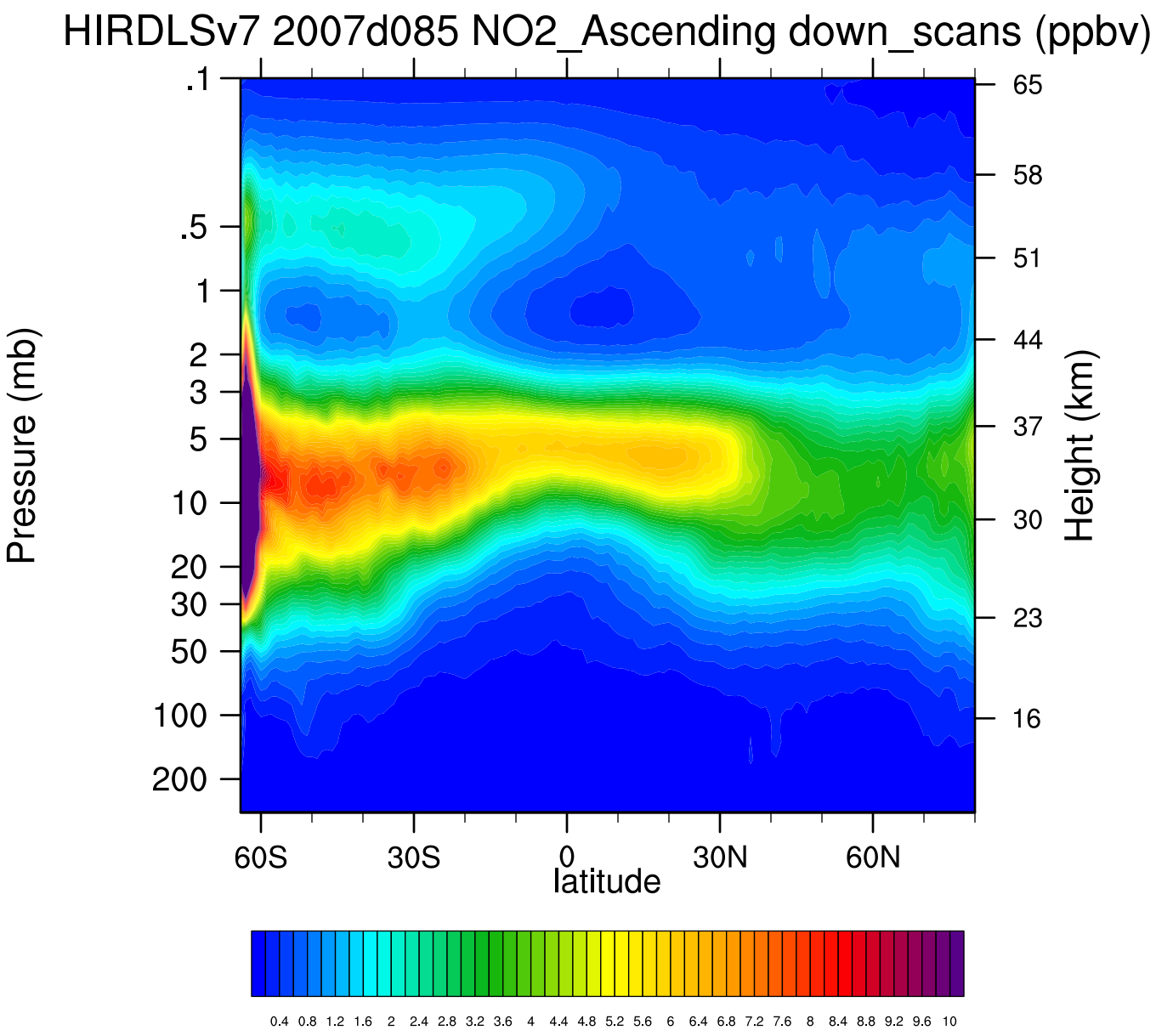
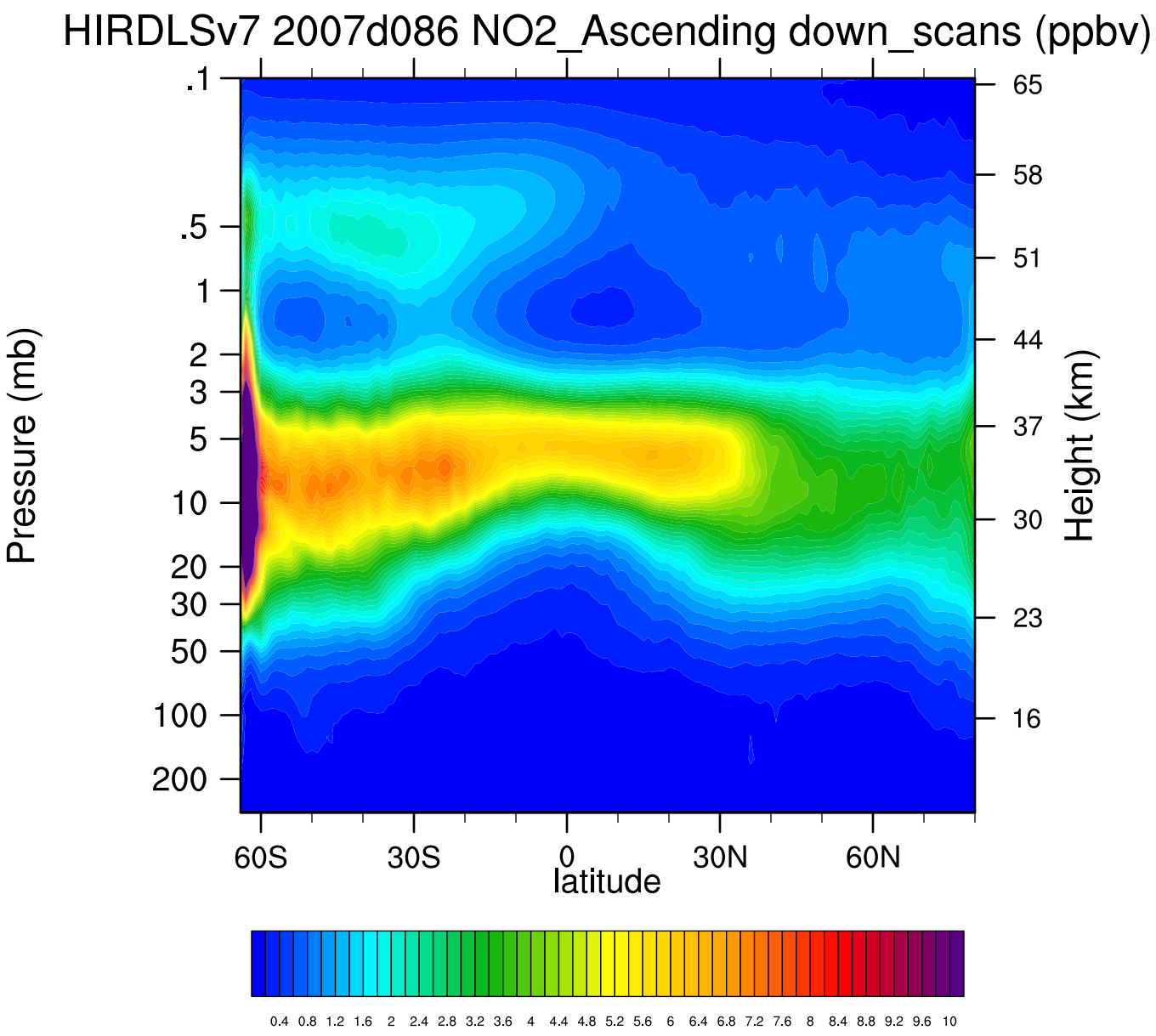
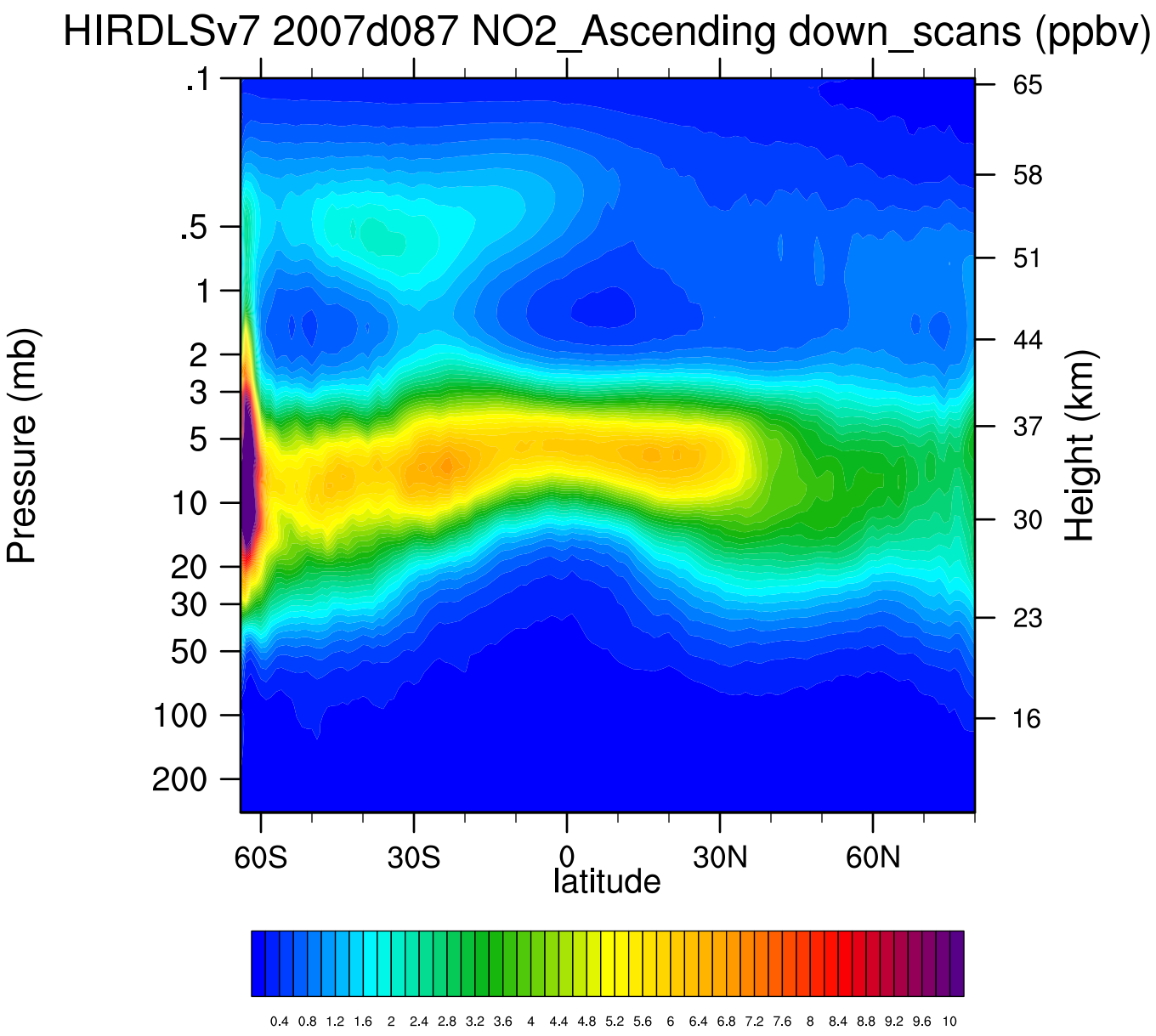
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d084 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d085 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d086 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d087 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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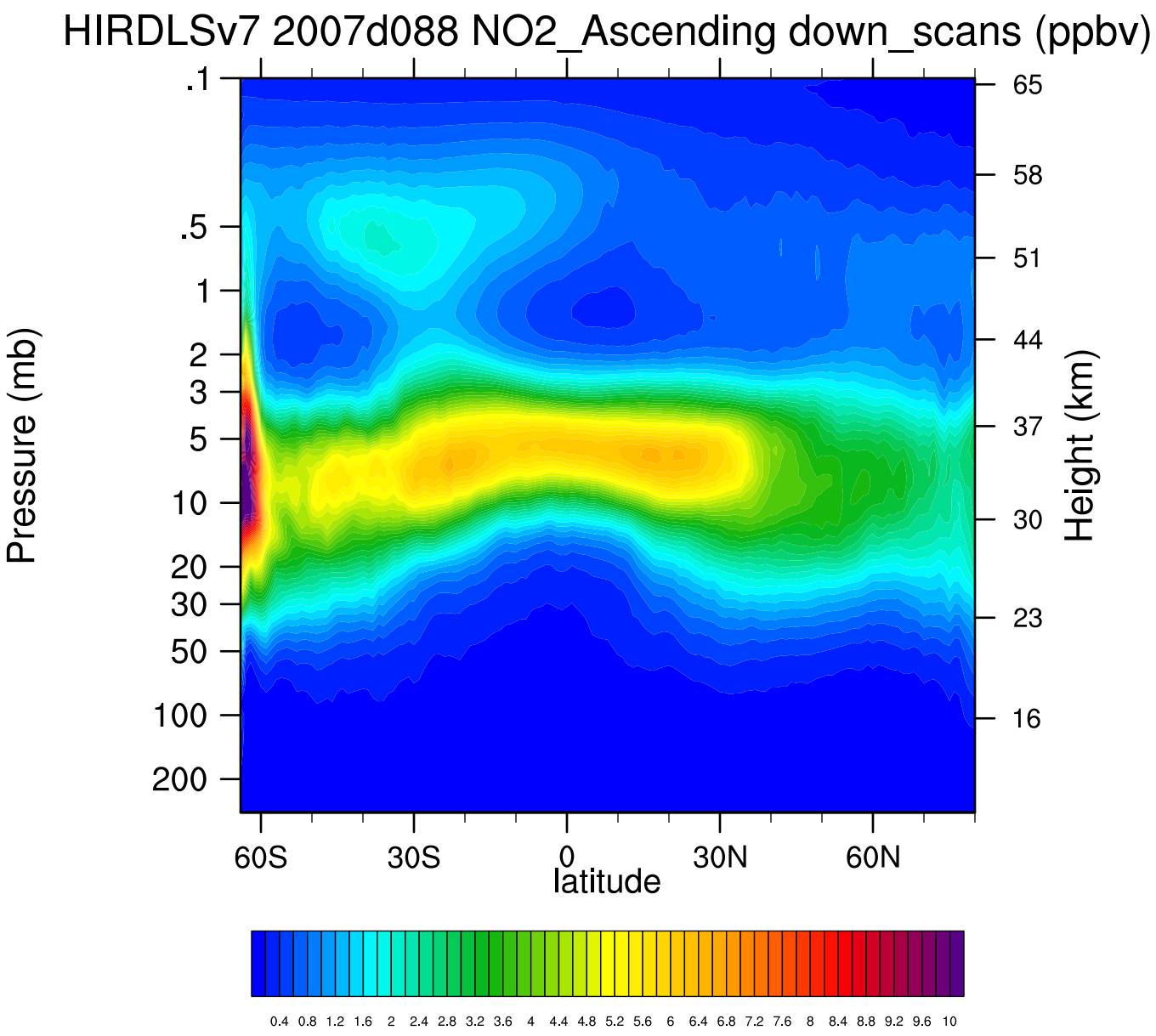
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d088 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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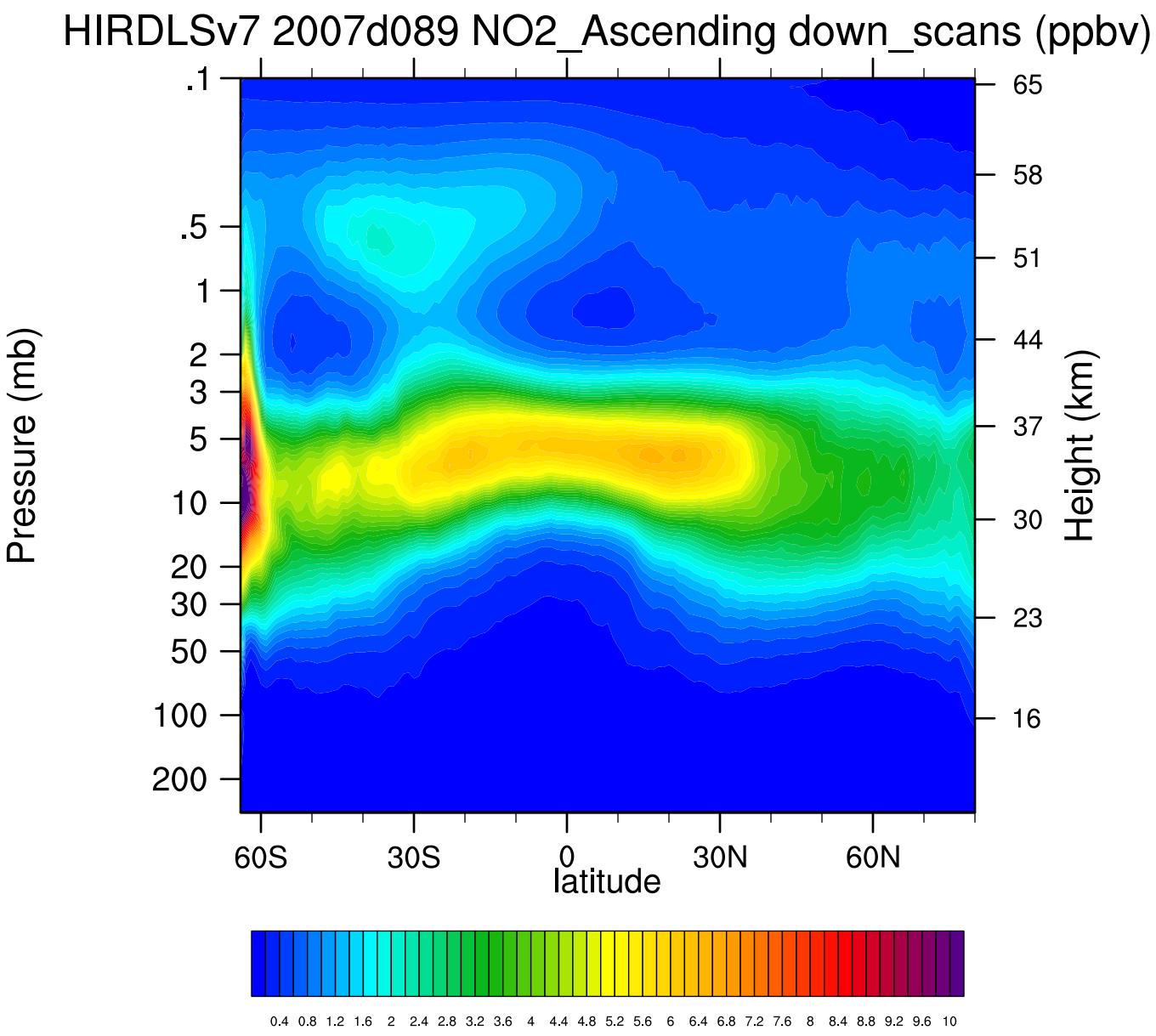
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d089 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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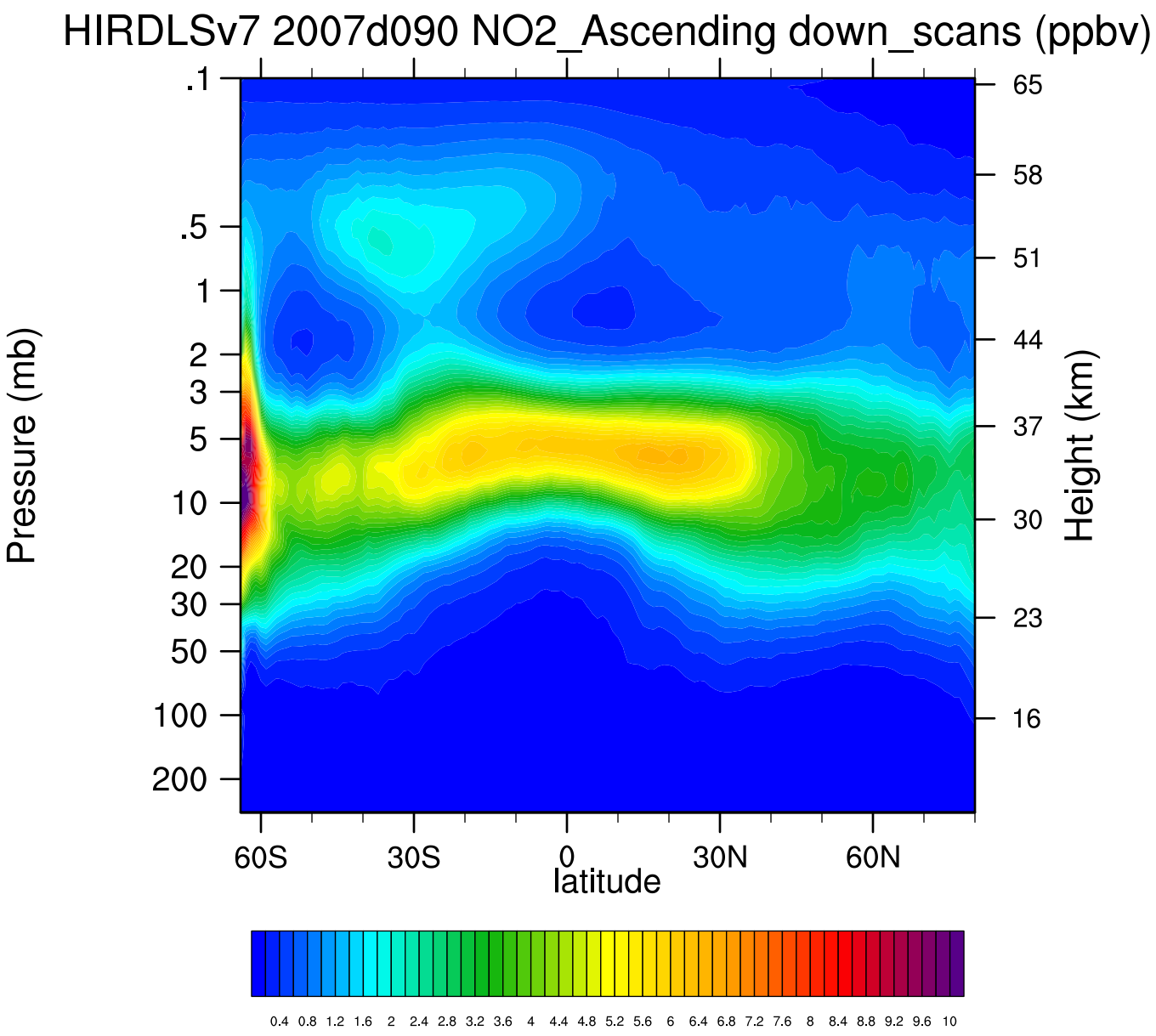
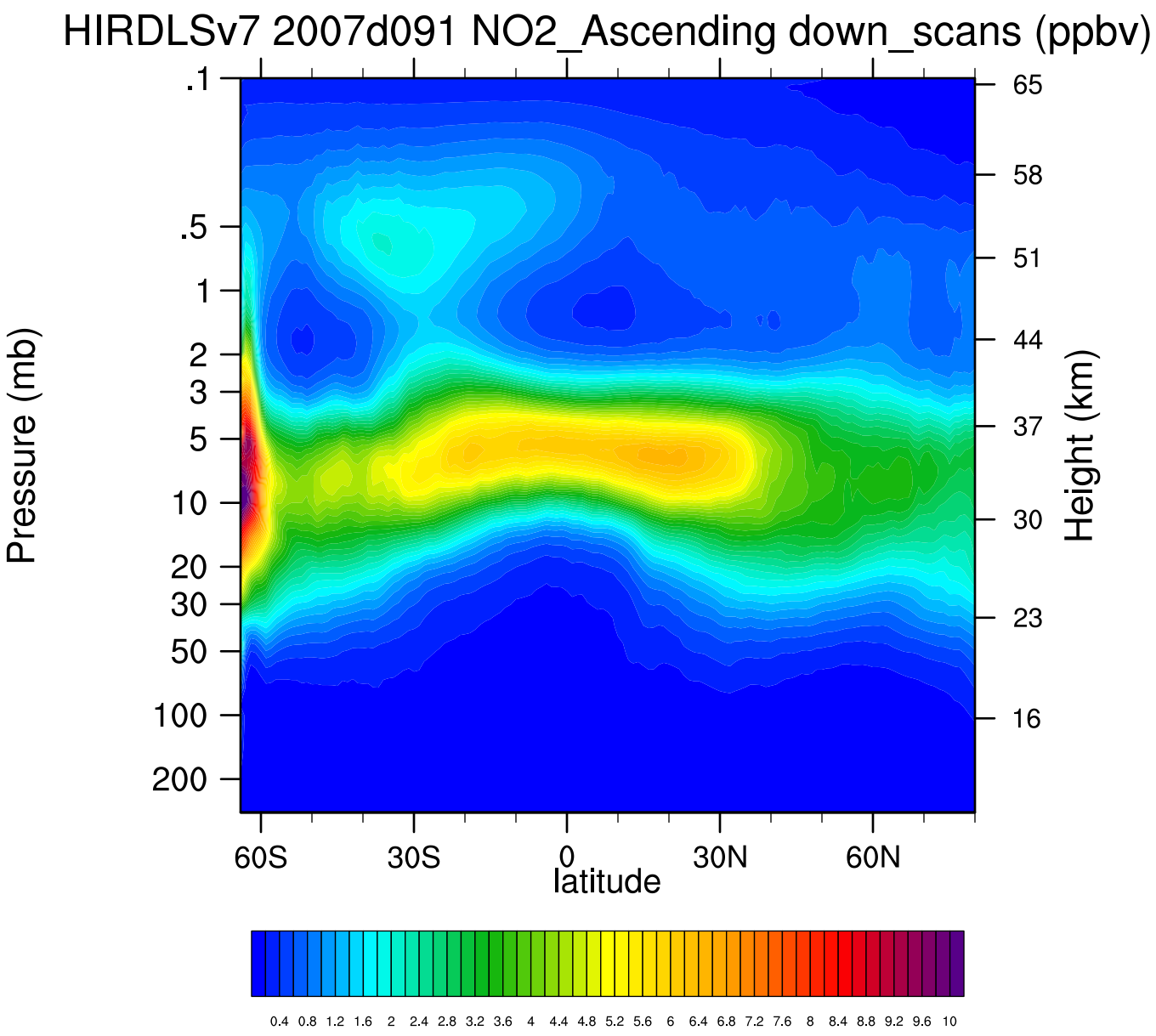
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d090 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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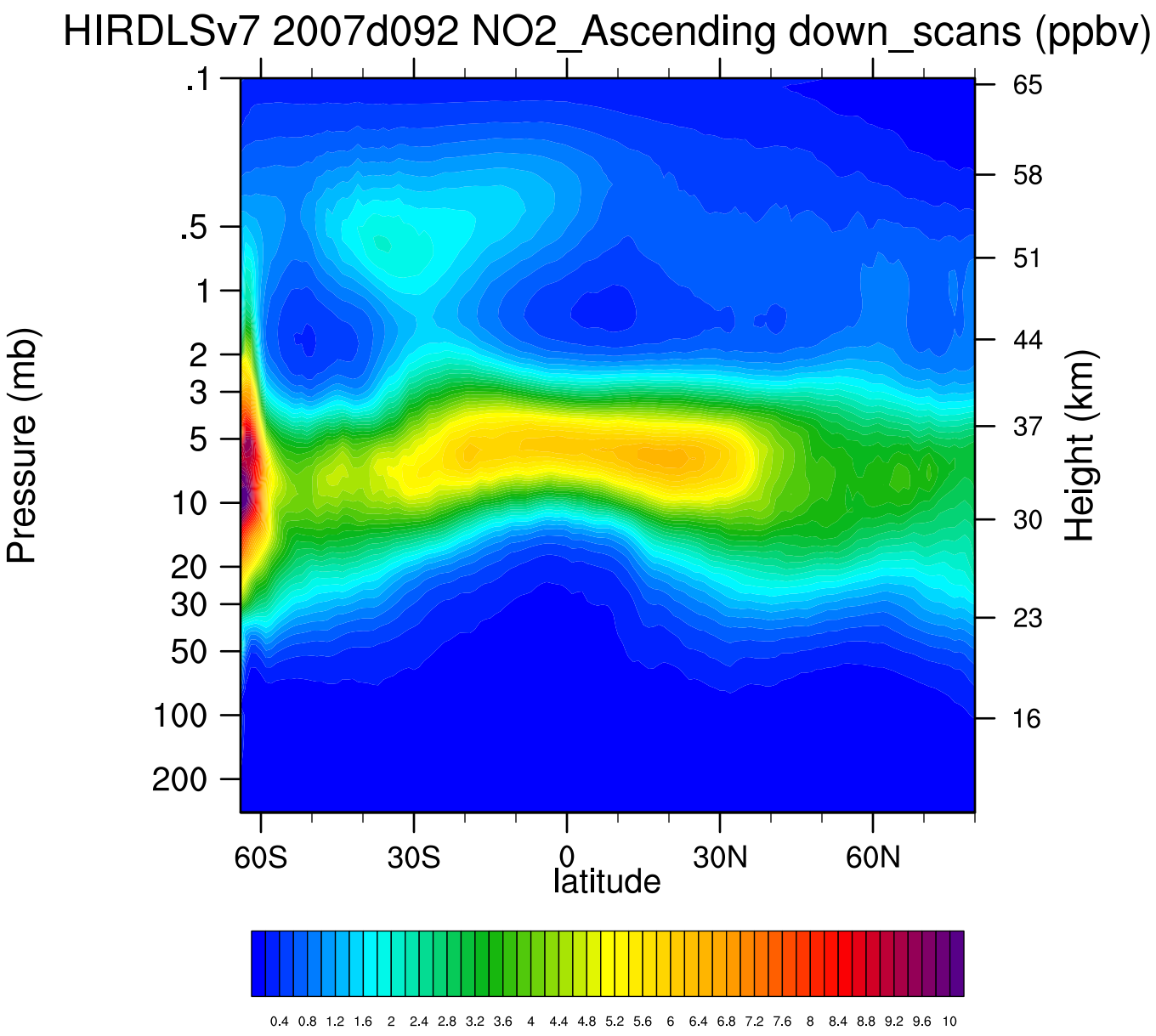
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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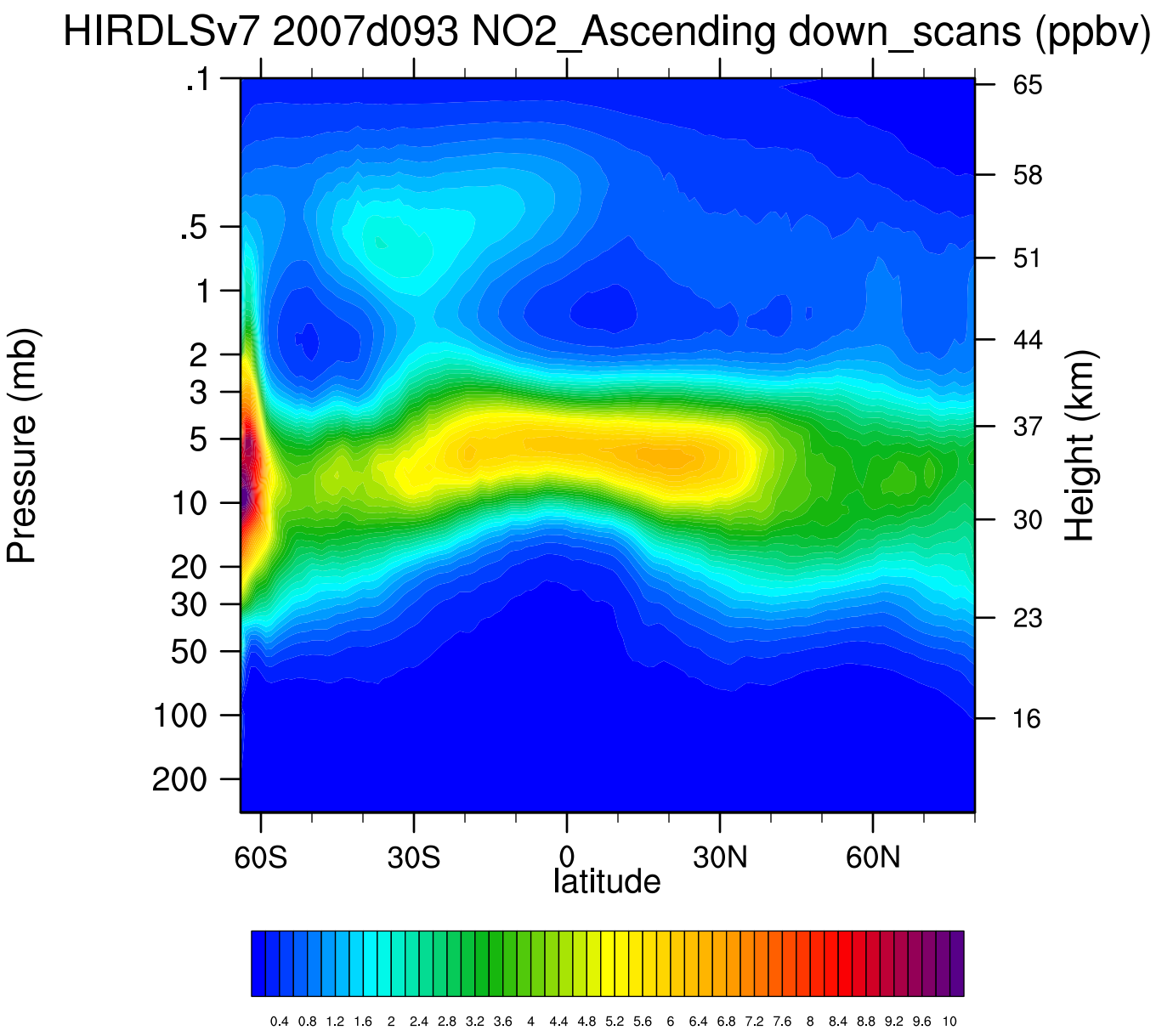
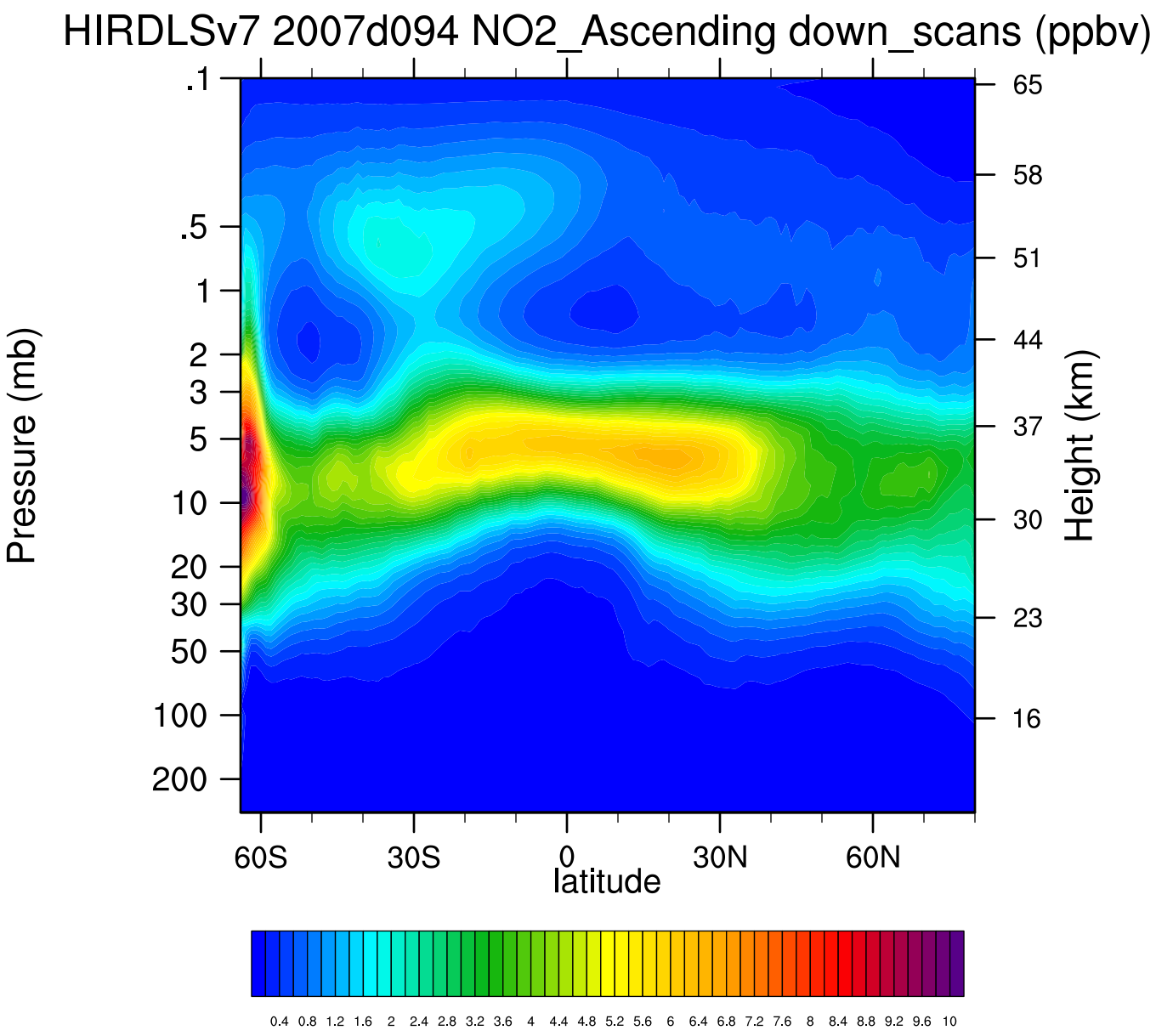
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d093 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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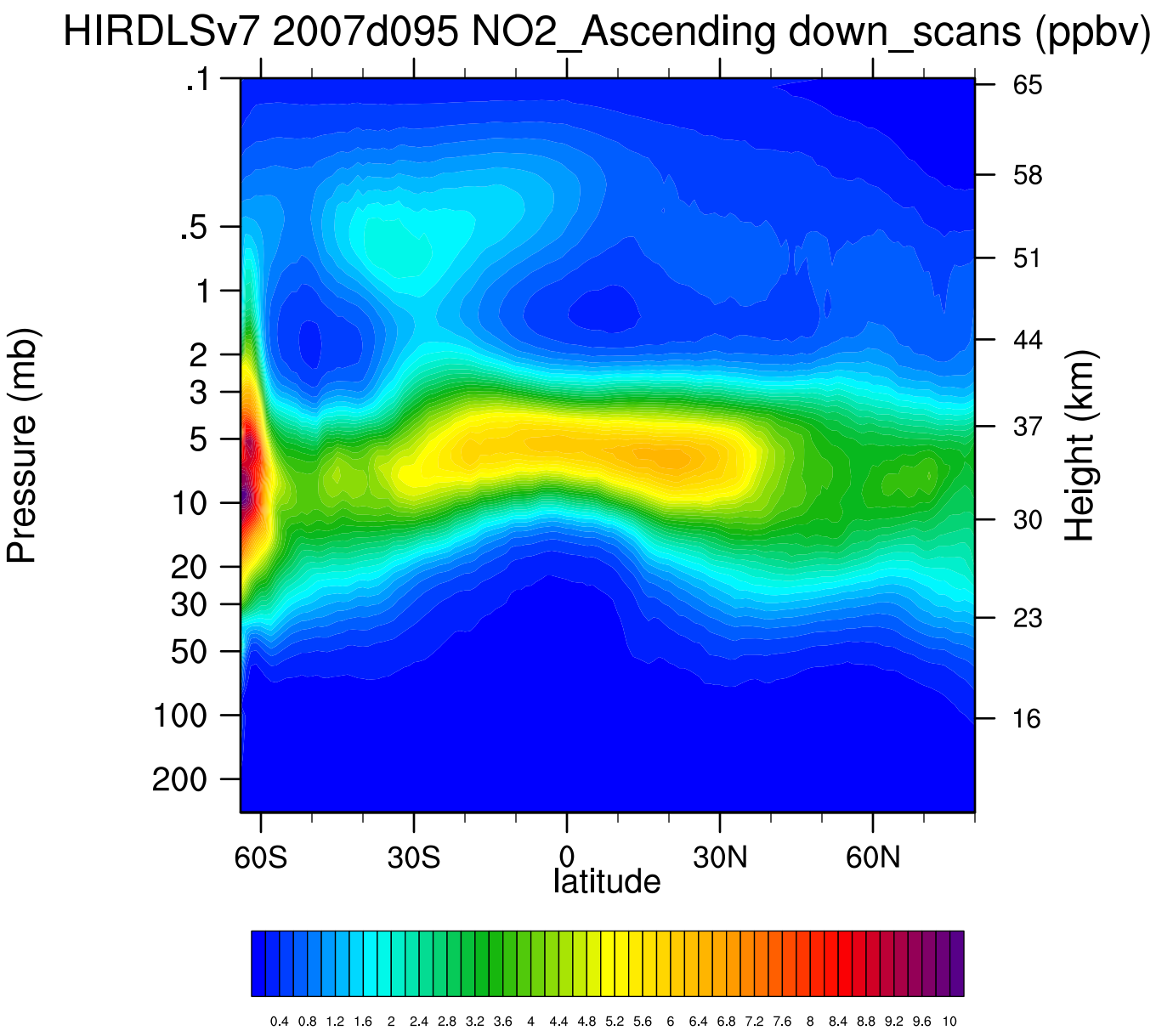
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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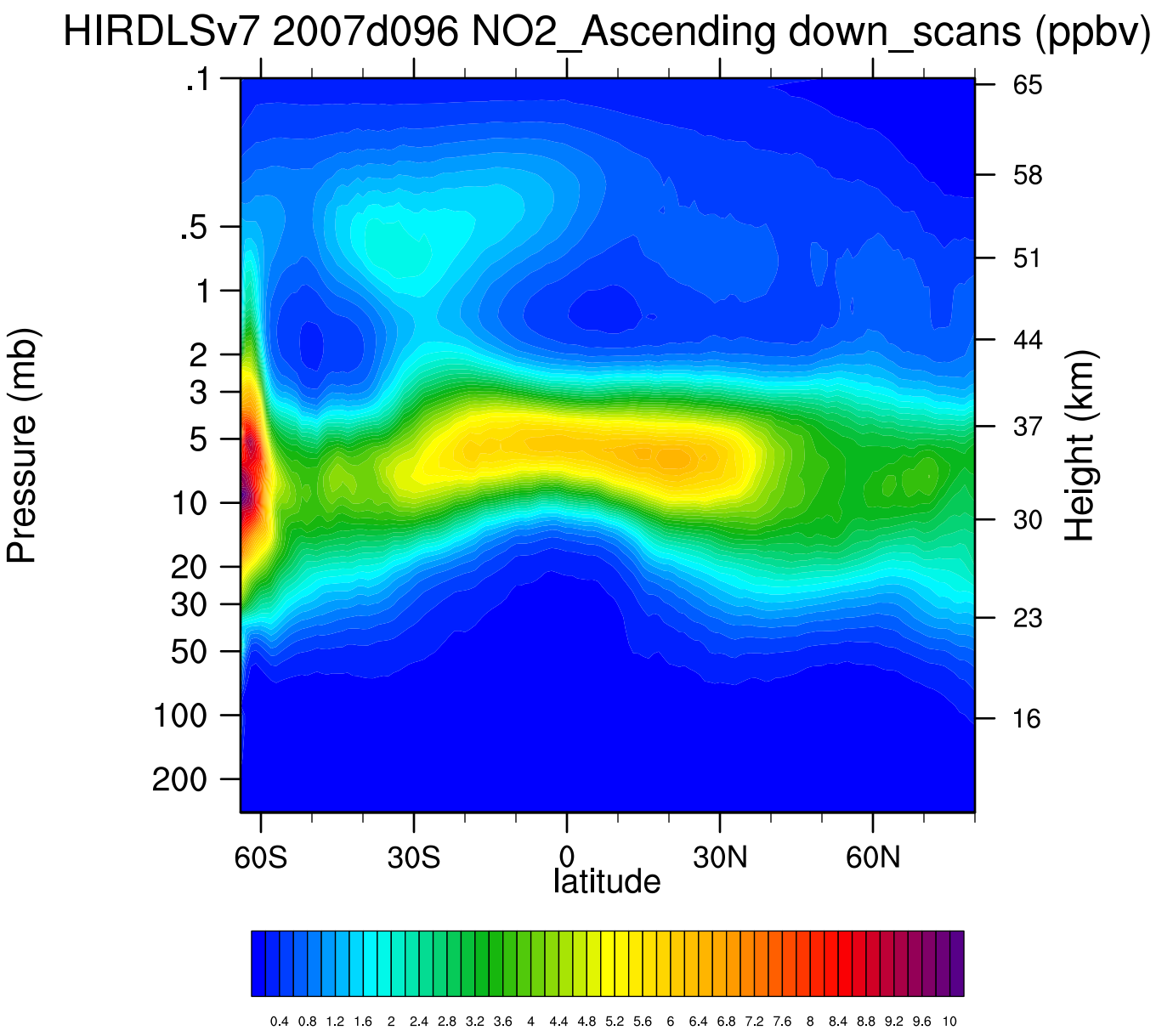
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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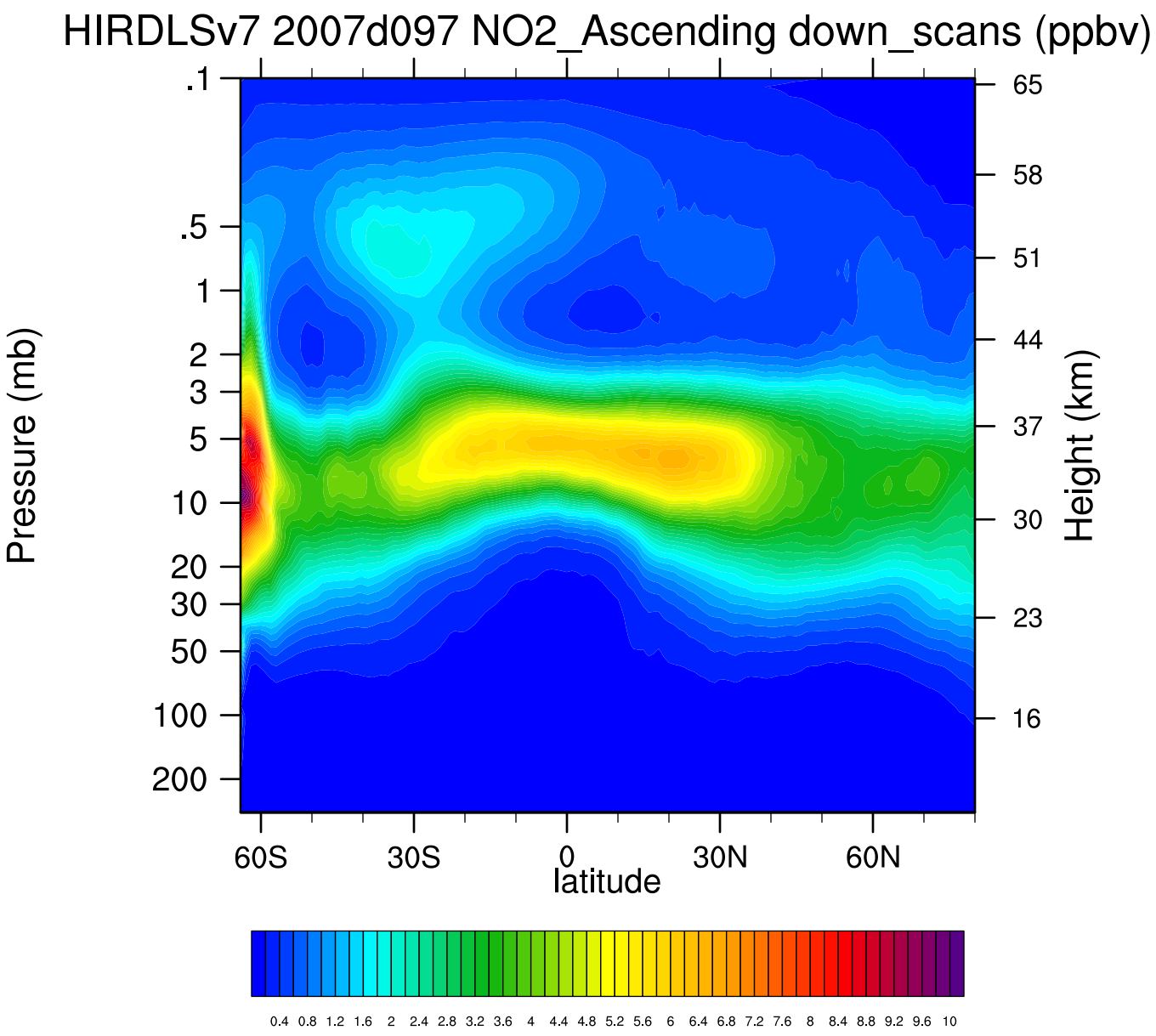
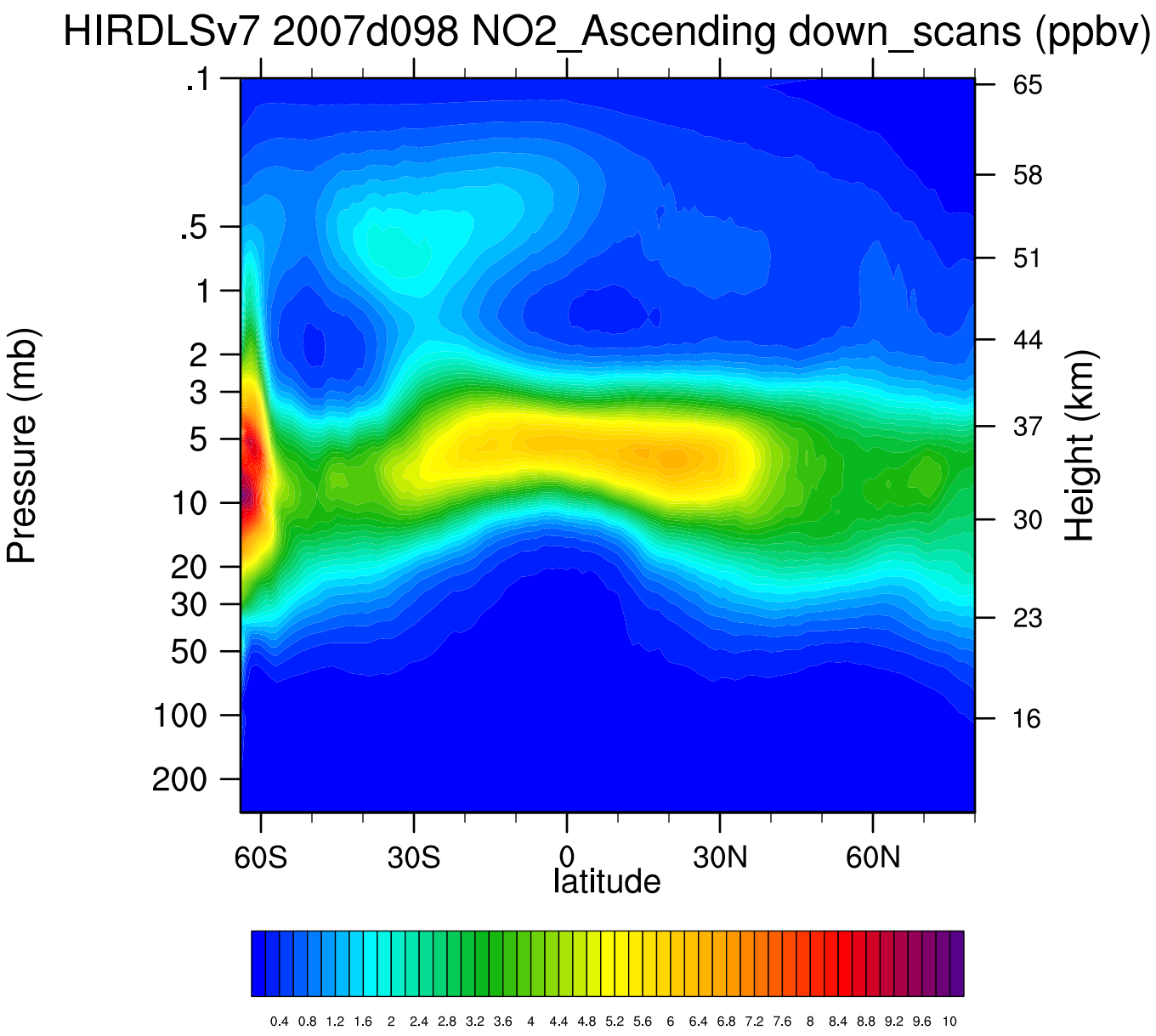
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d097 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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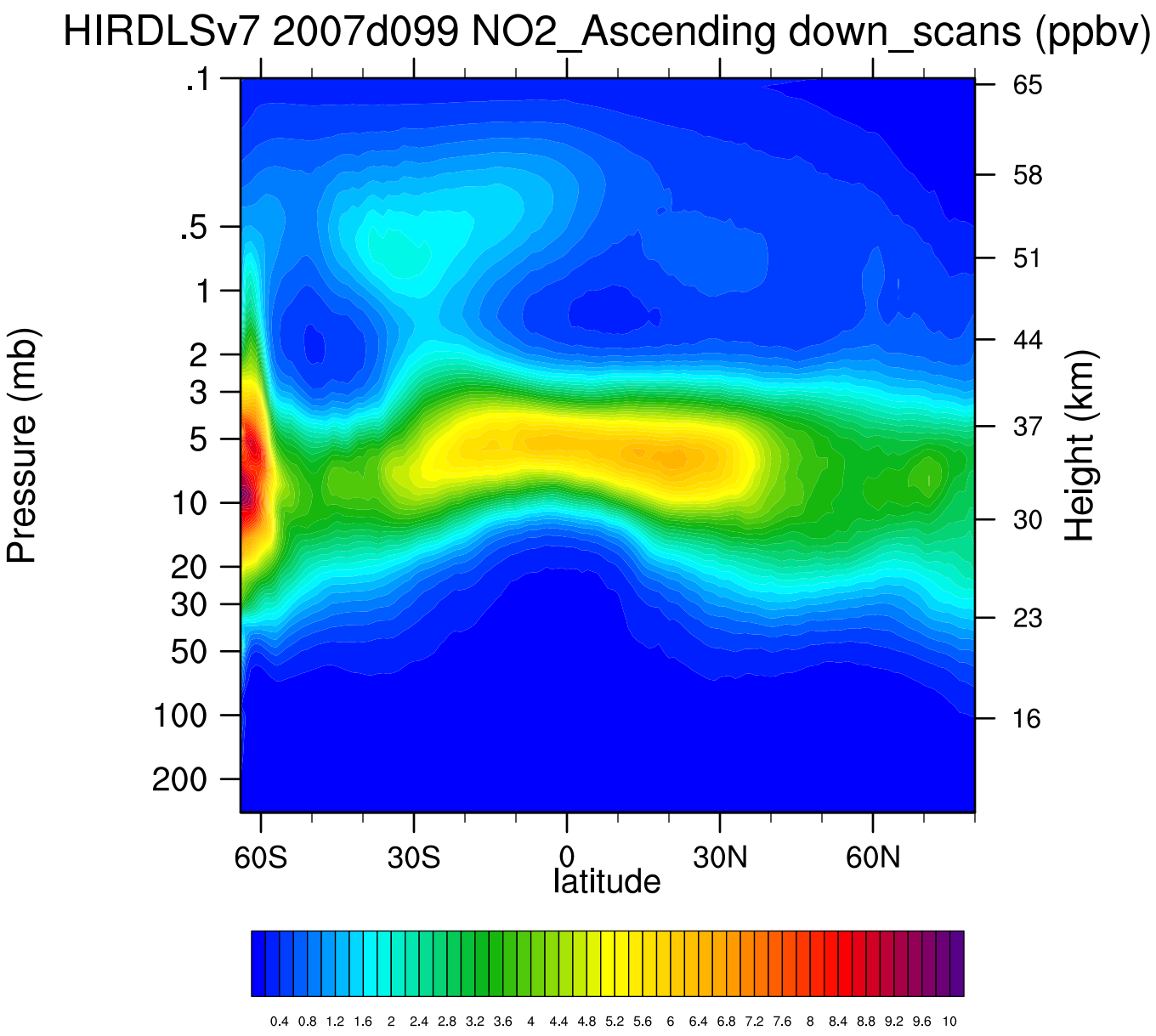
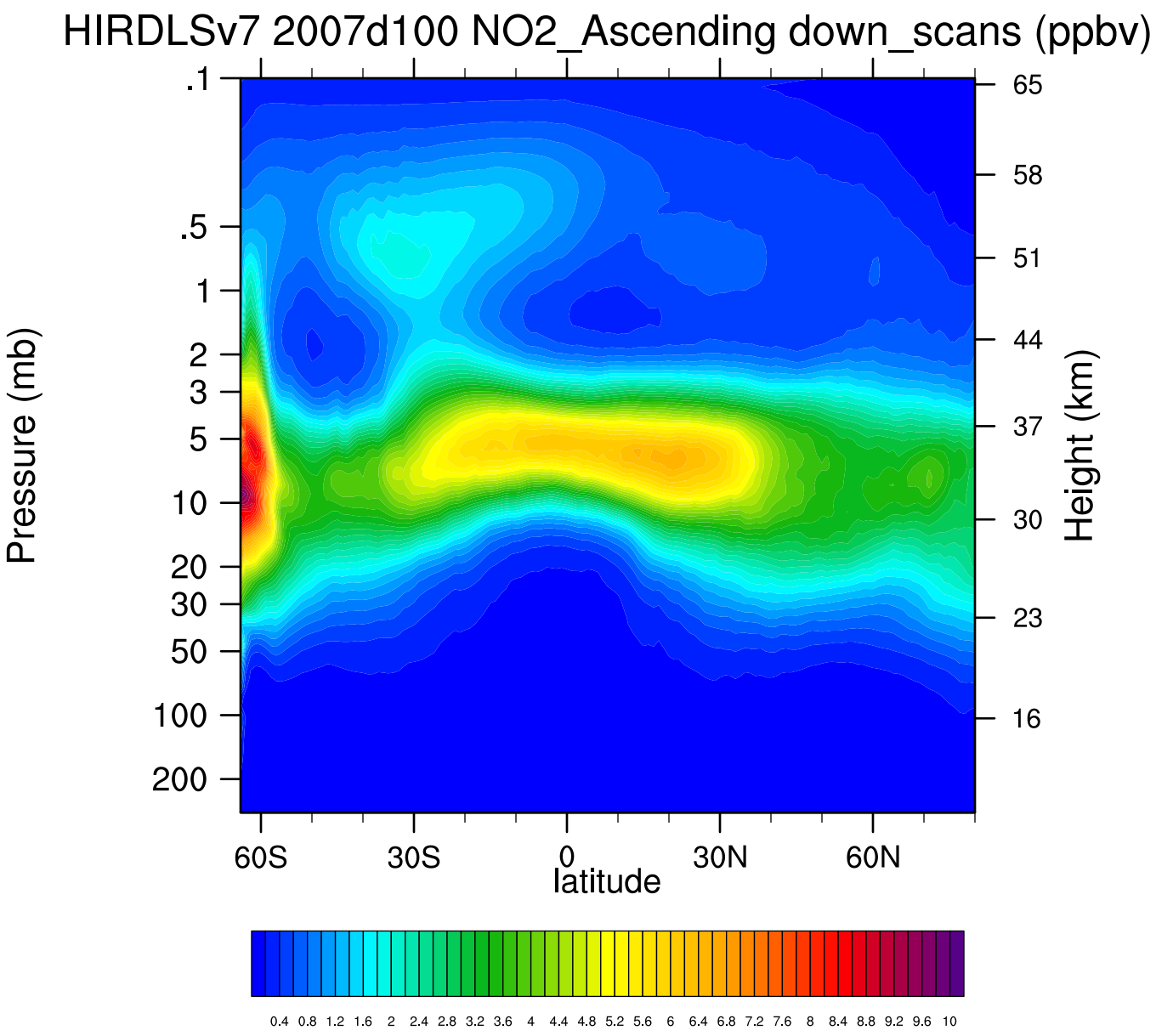
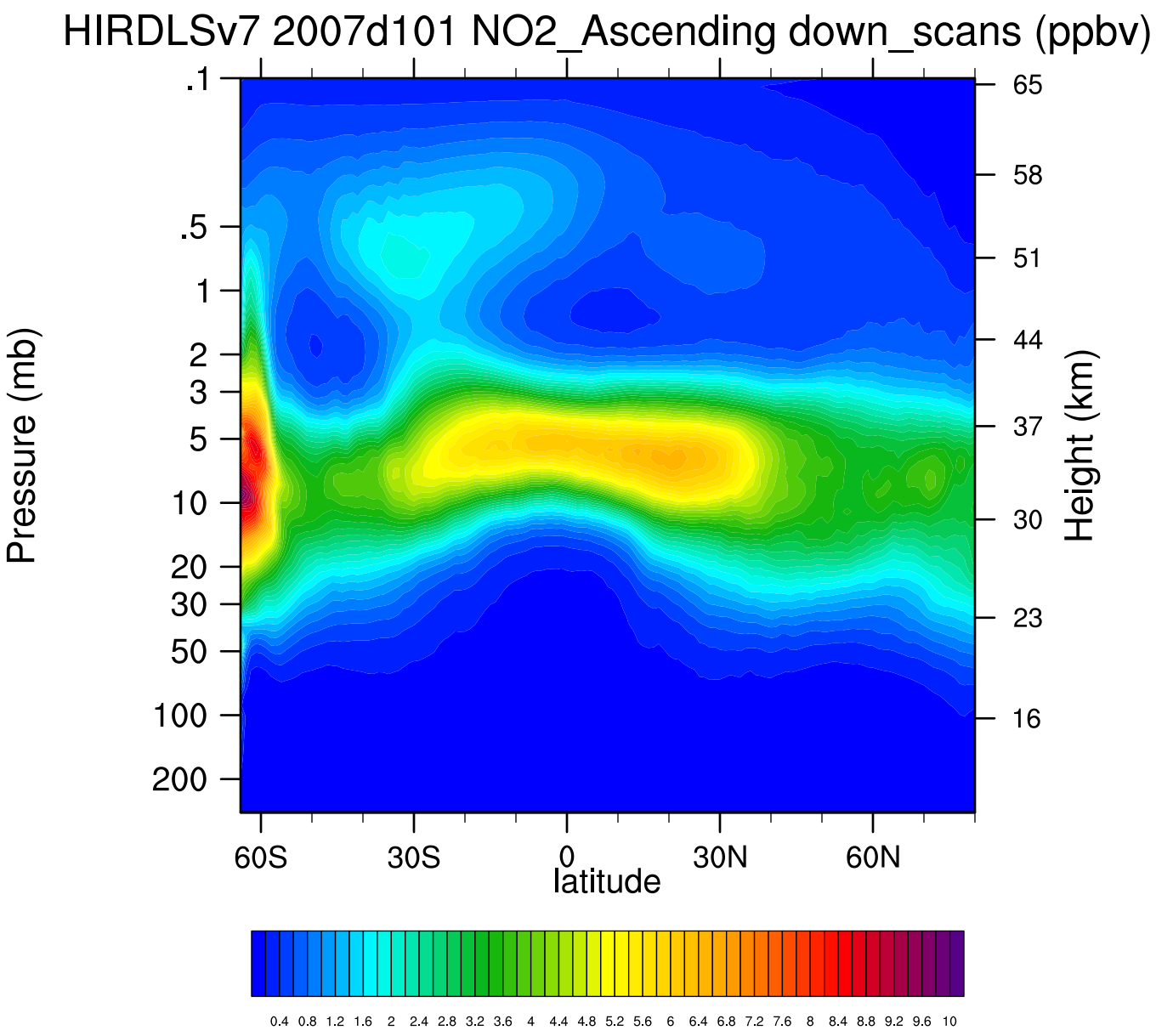
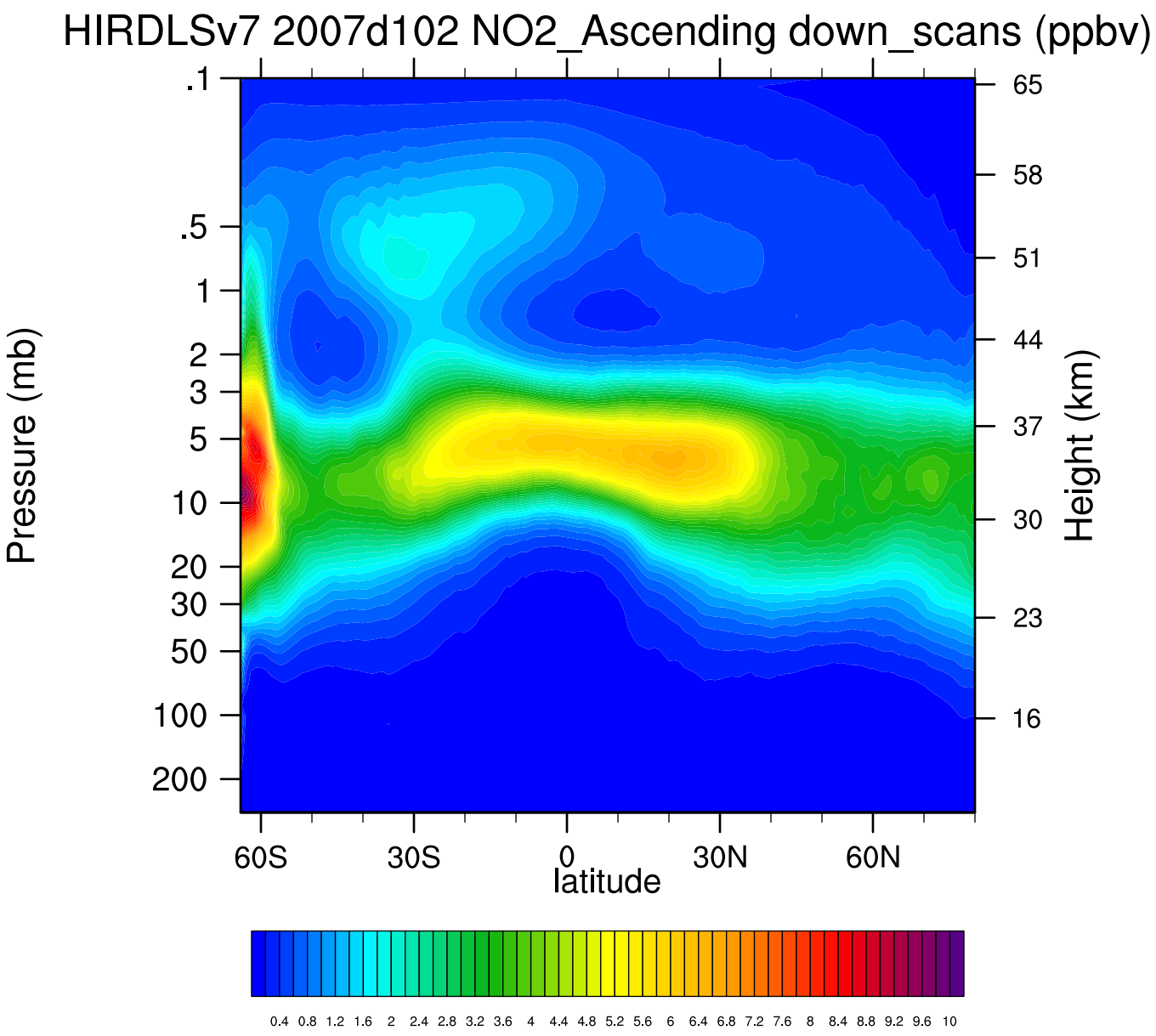
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d099 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d100 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d101 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d102 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
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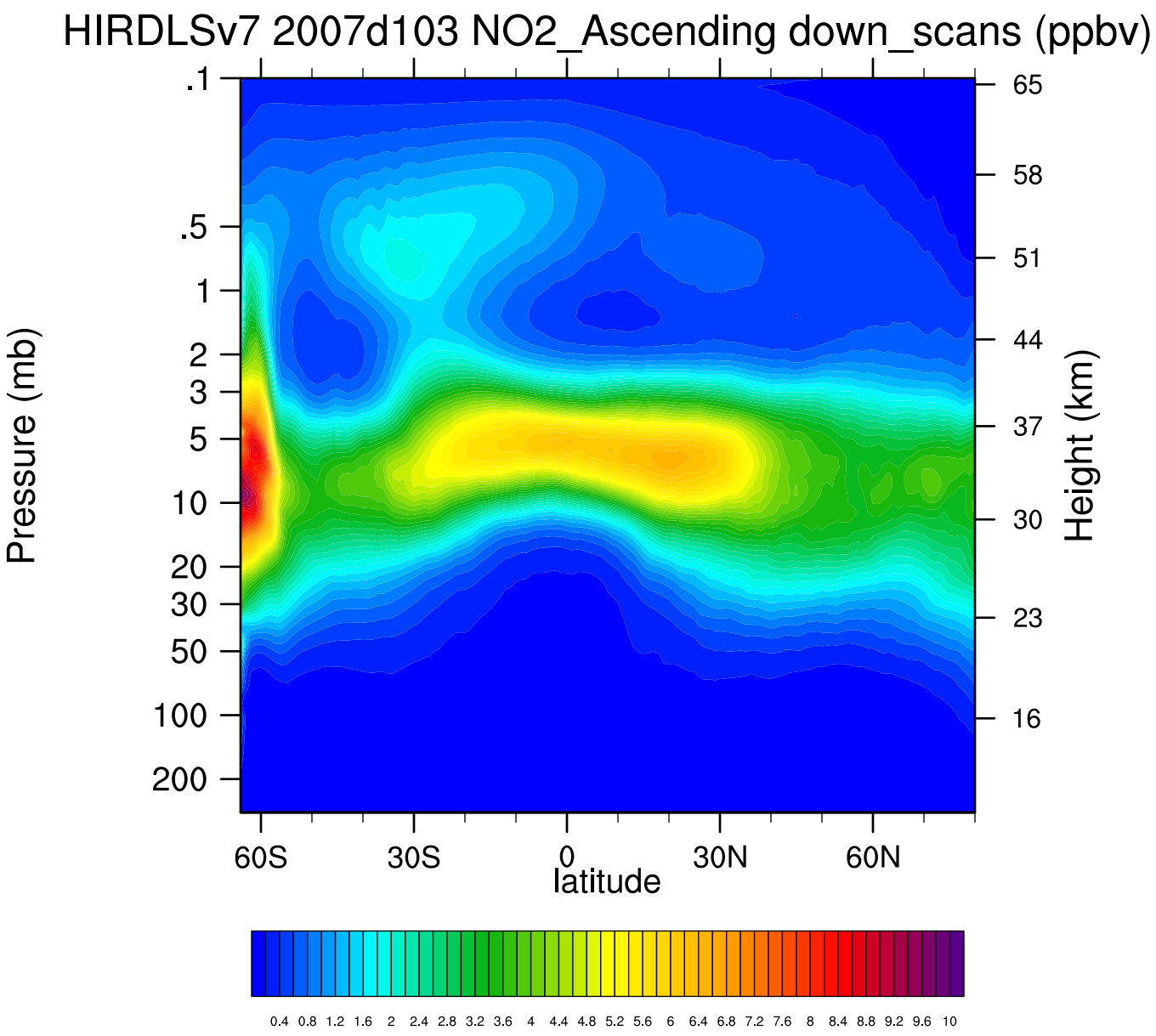
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d103 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
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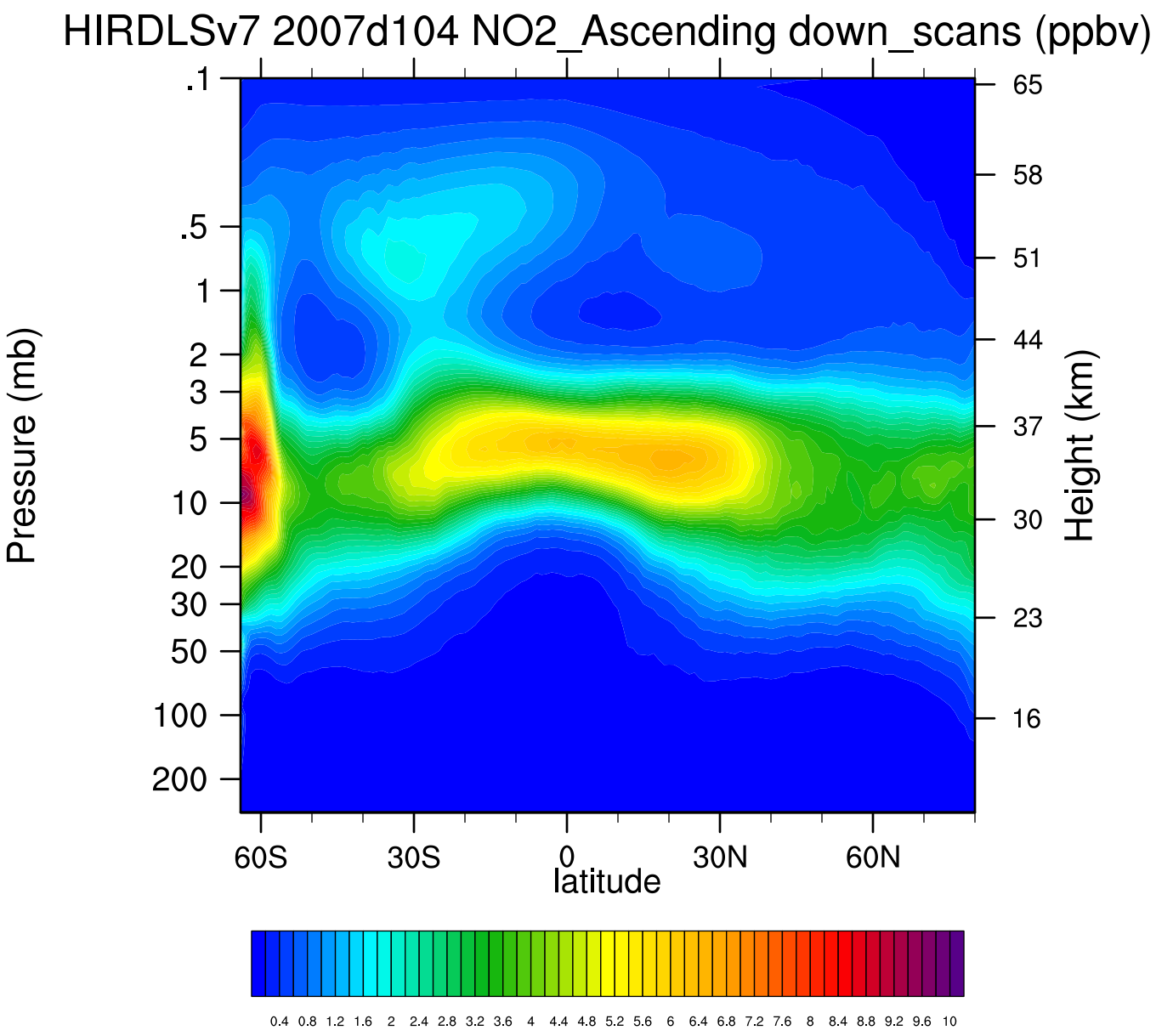
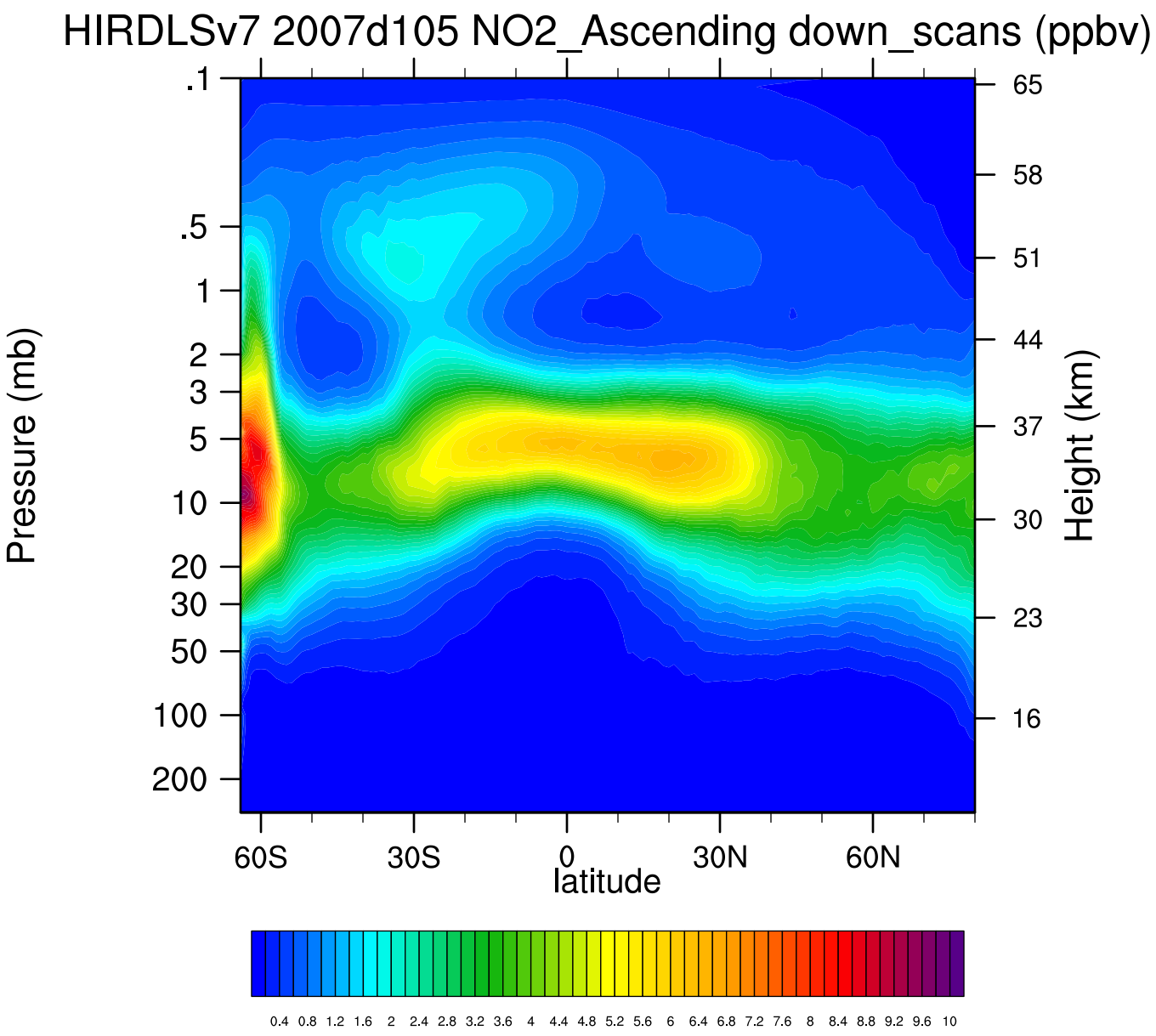
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d104 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d105 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
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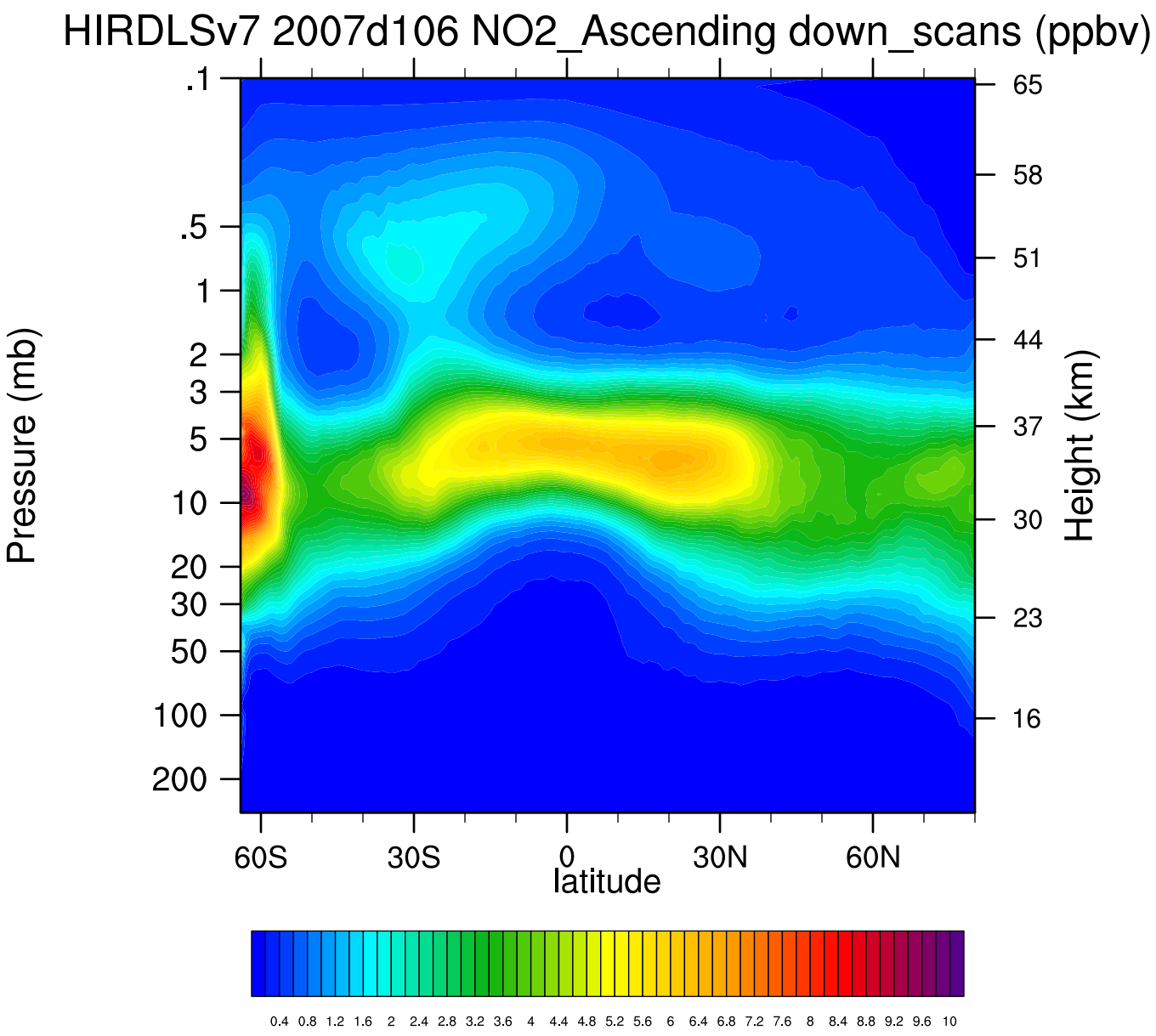
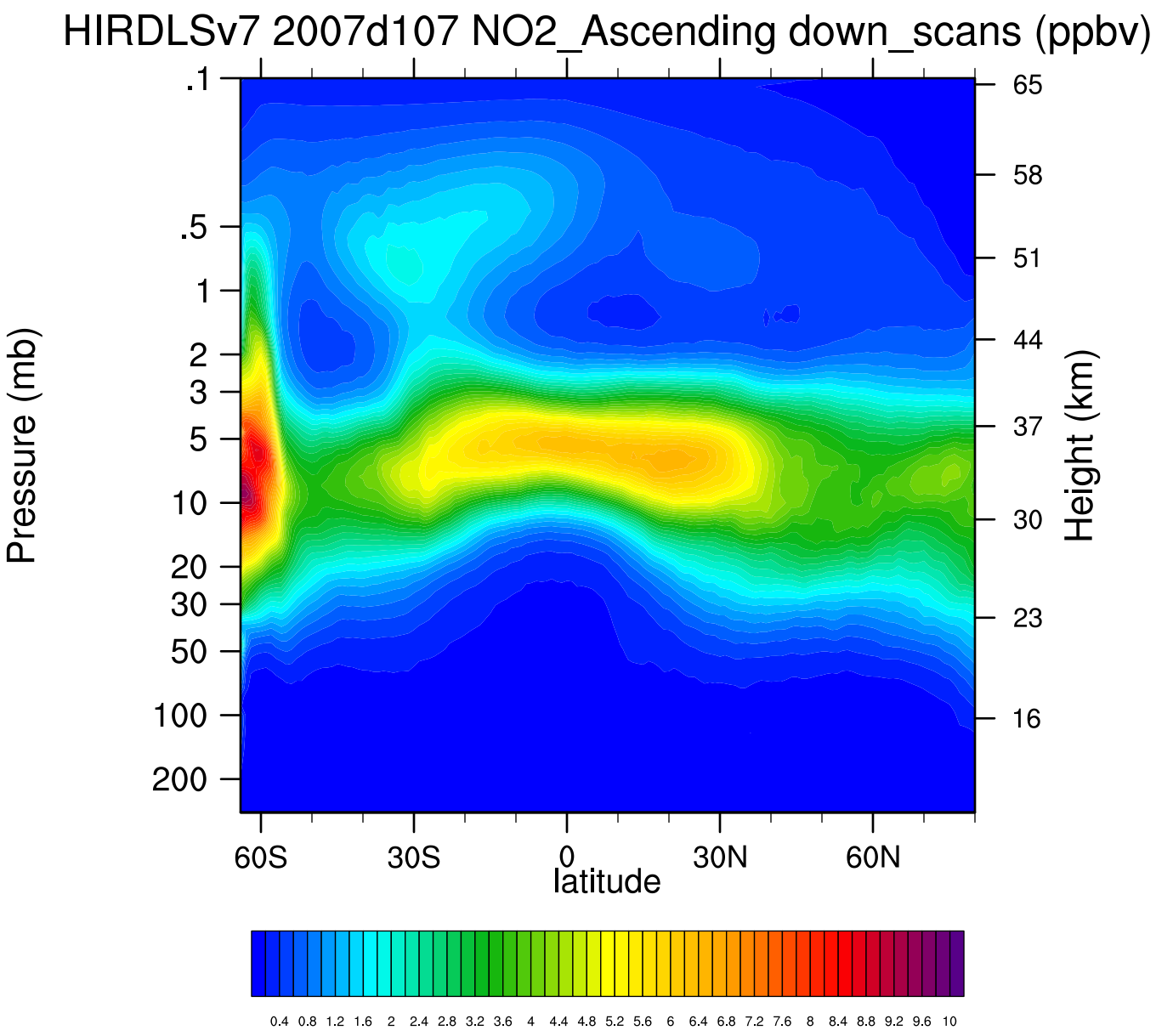
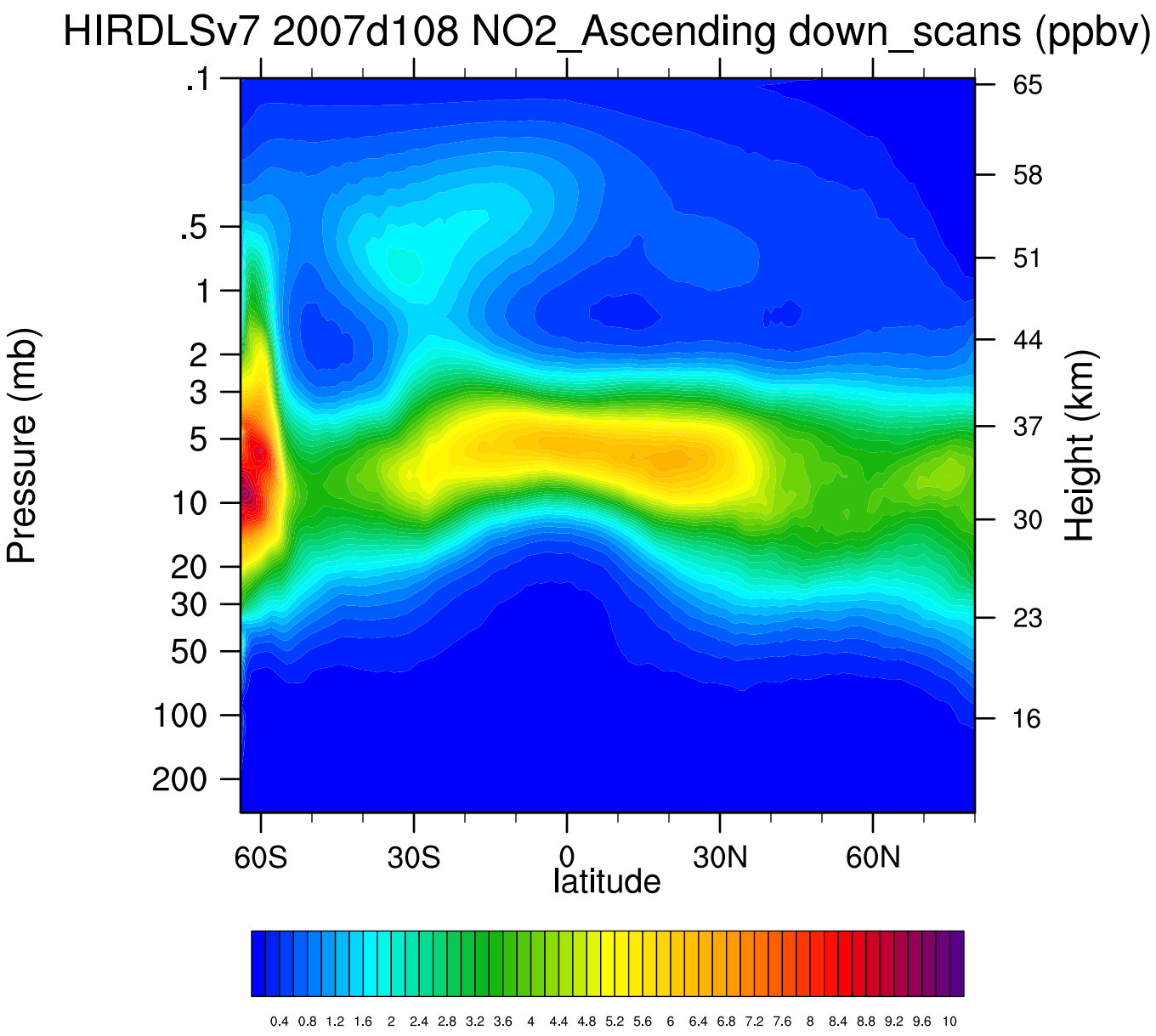
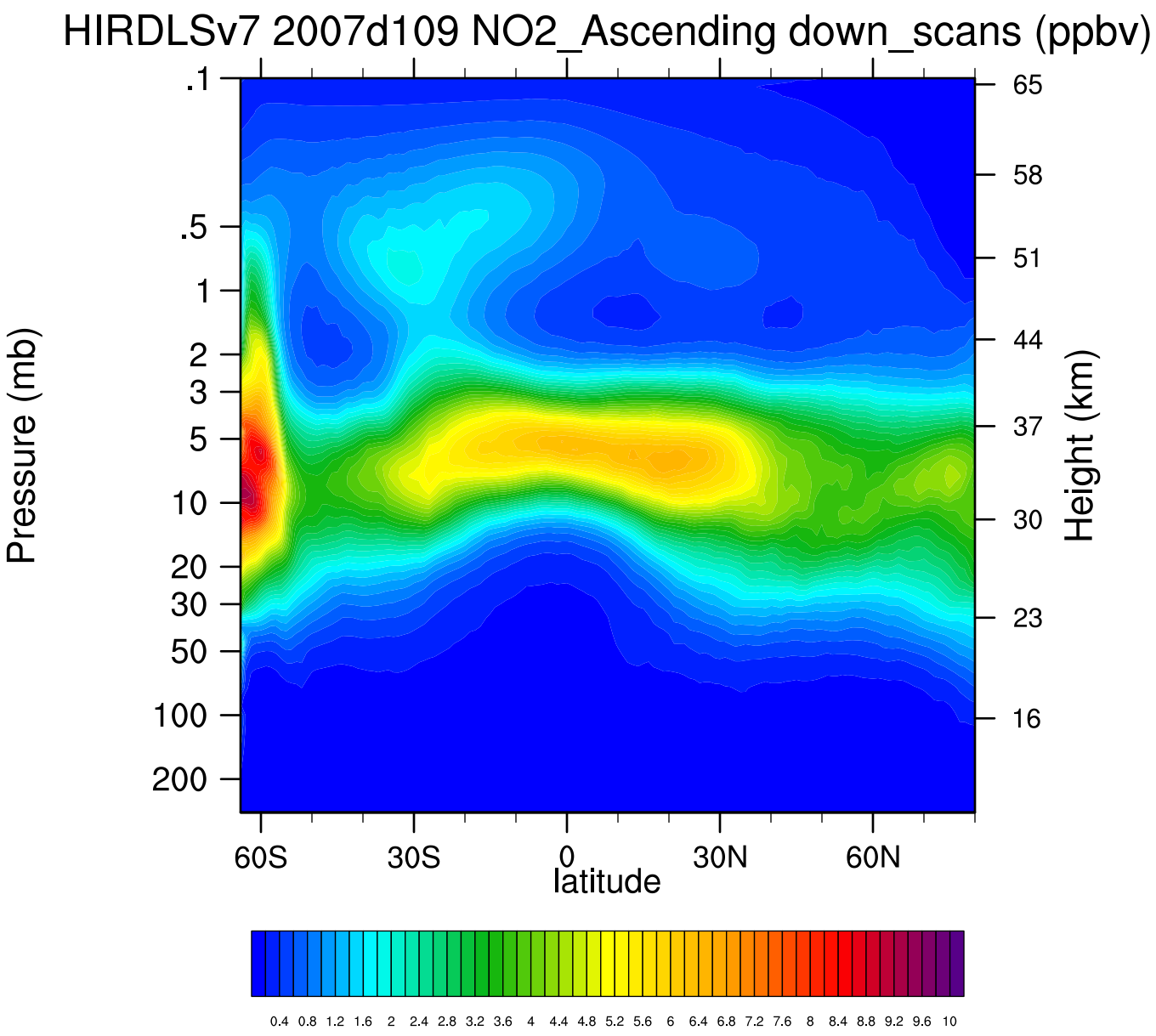
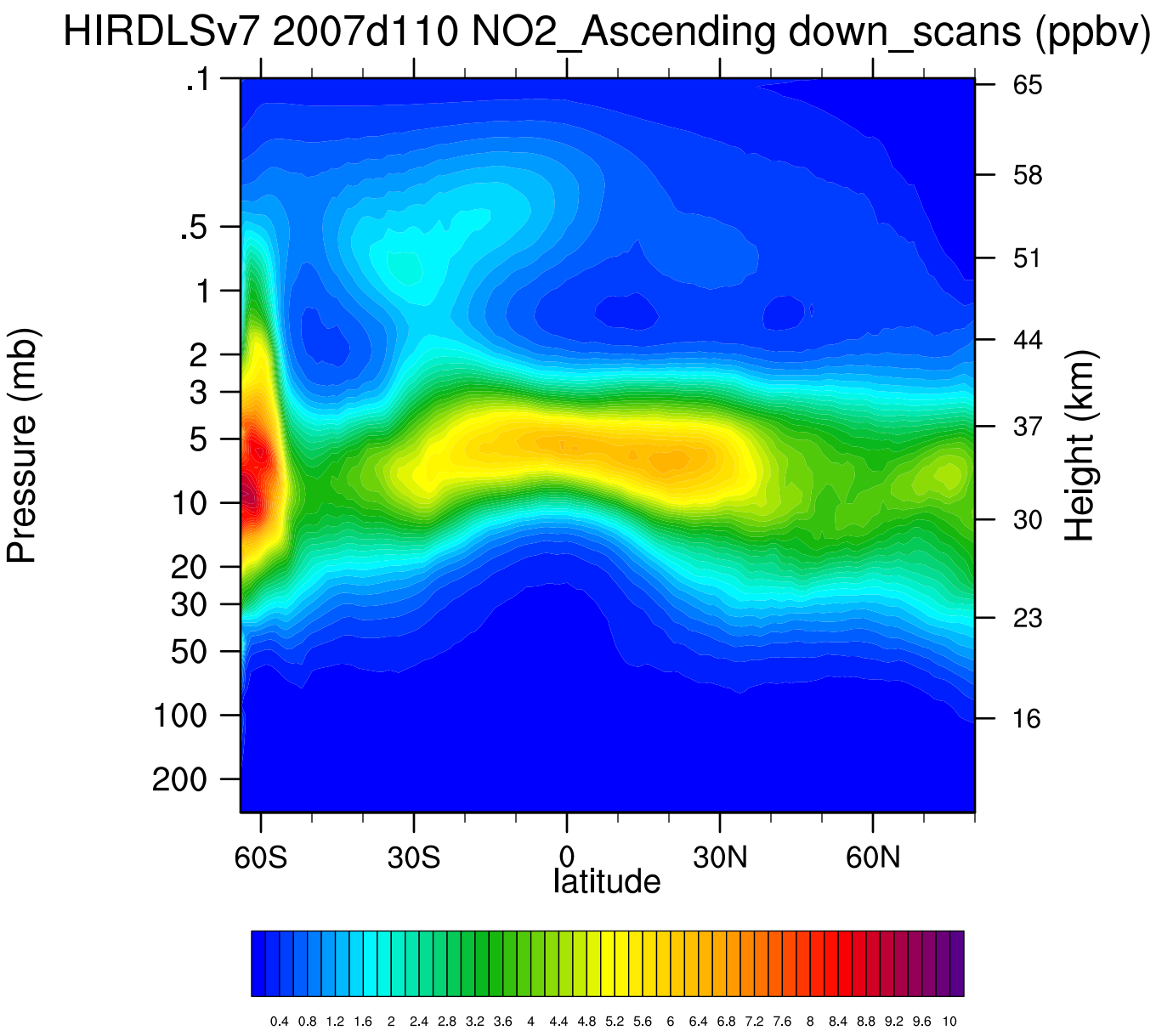
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

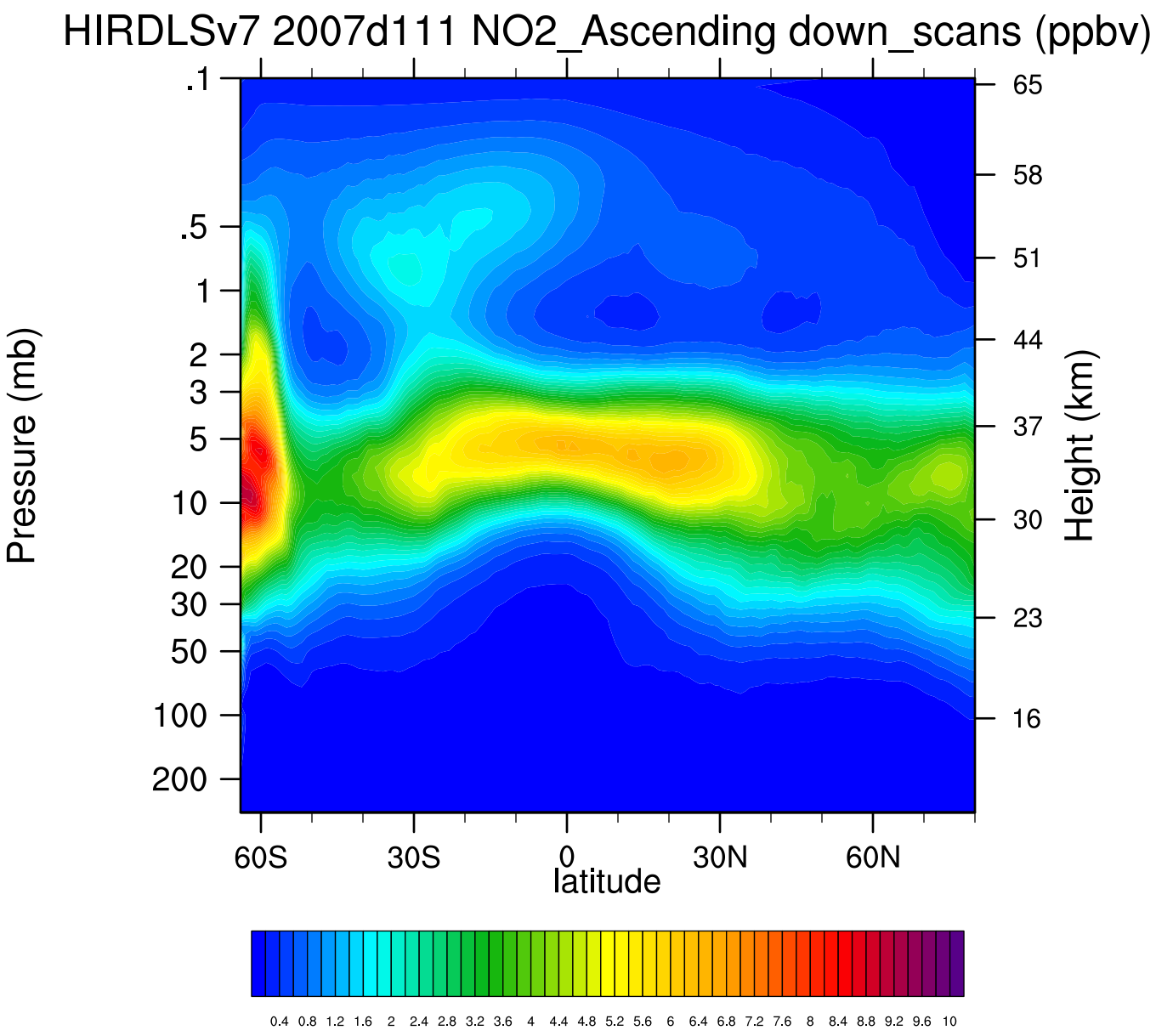

HIRDLSv7 2007d106 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

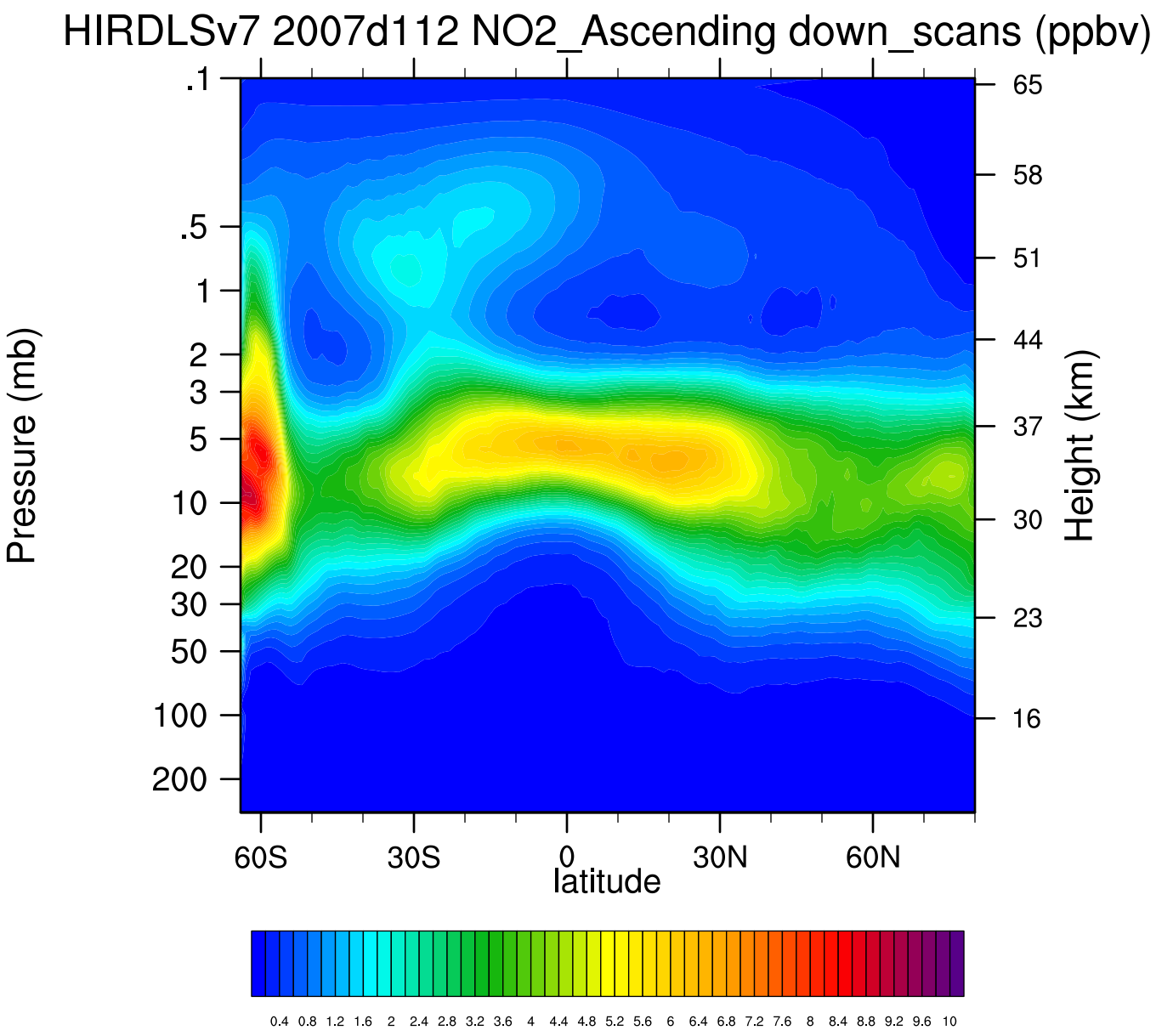

HIRDLSv7 2007d107 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

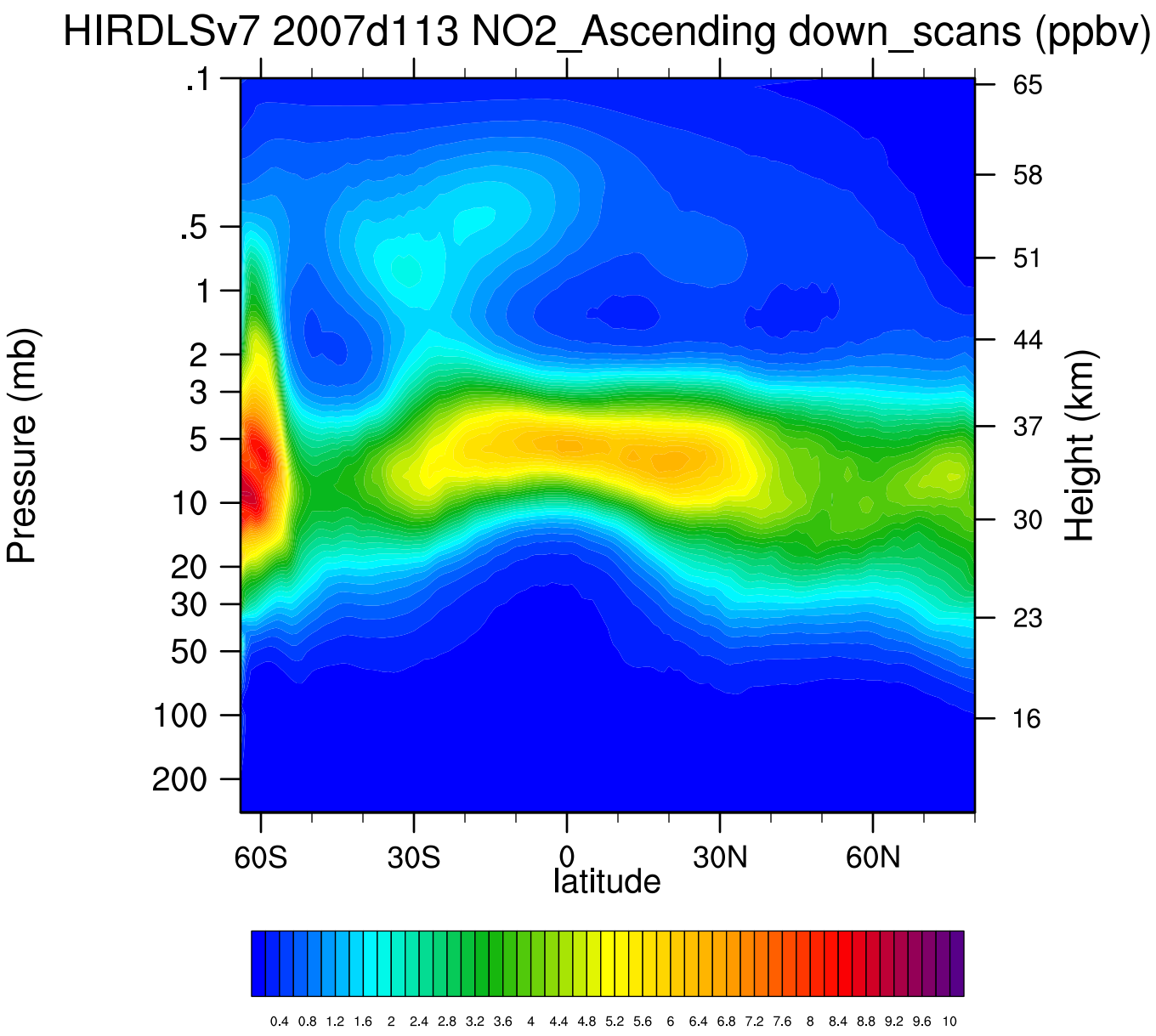

HIRDLSv7 2007d108 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

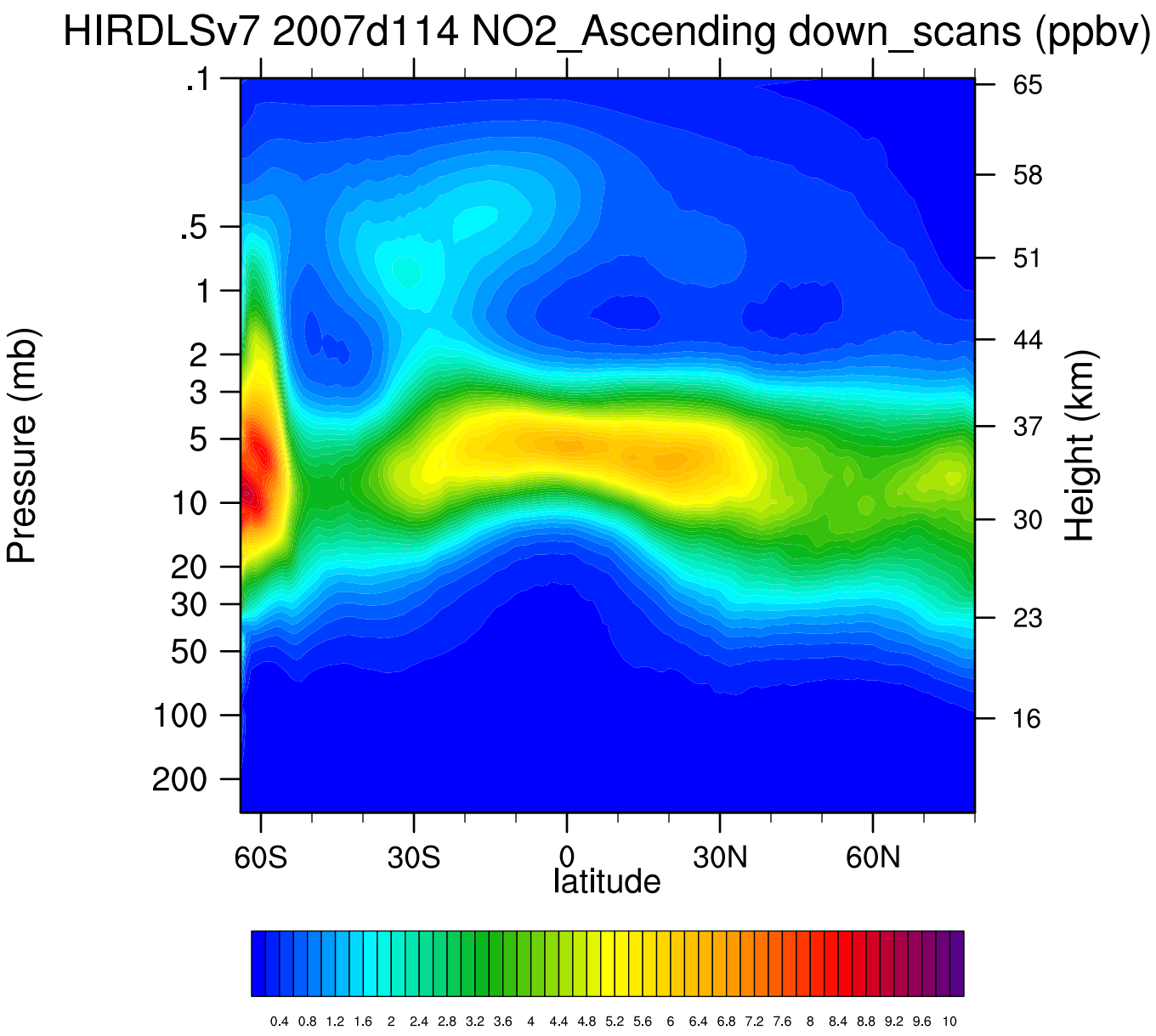

HIRDLSv7 2007d109 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

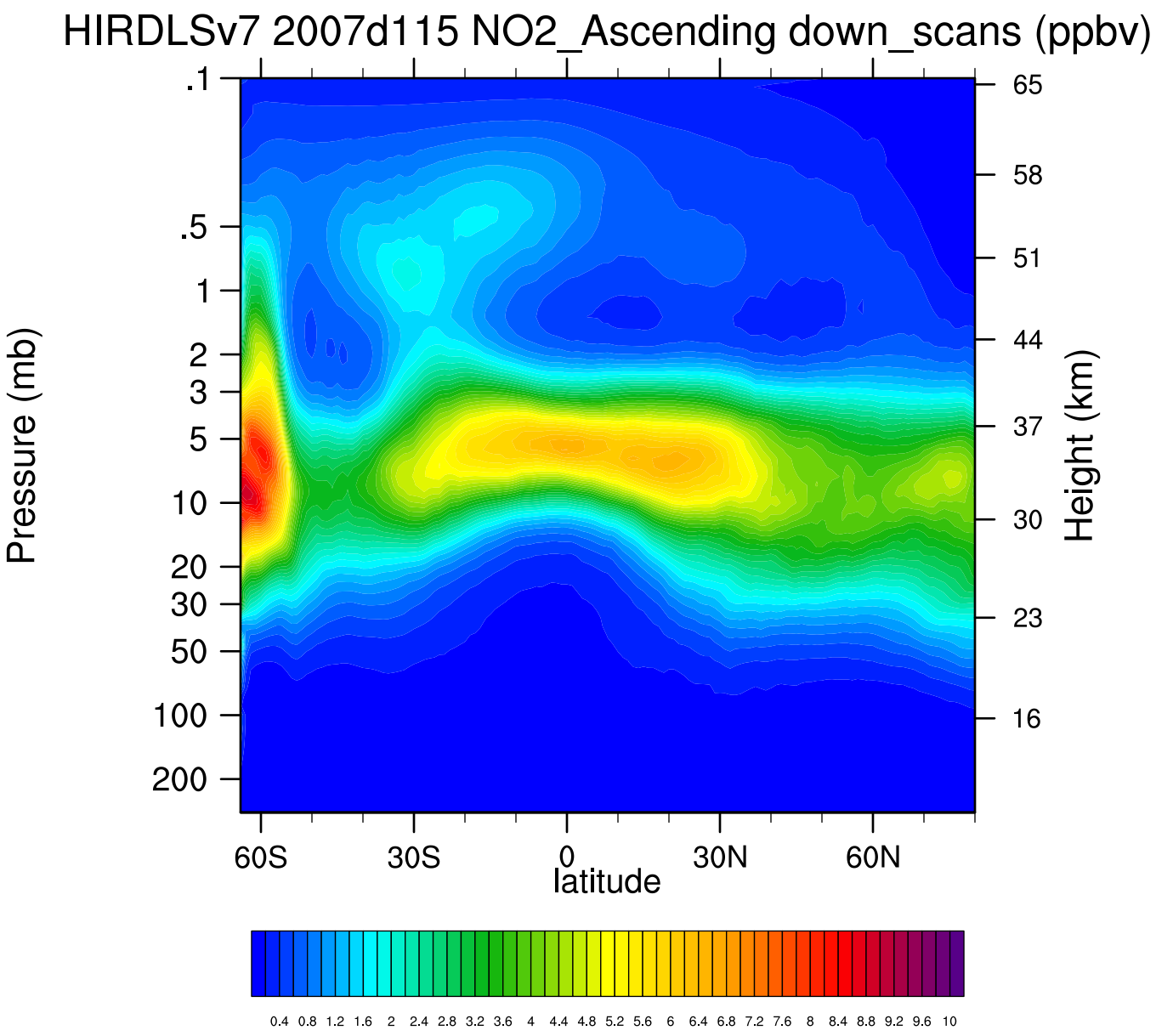

HIRDLSv7 2007d110 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

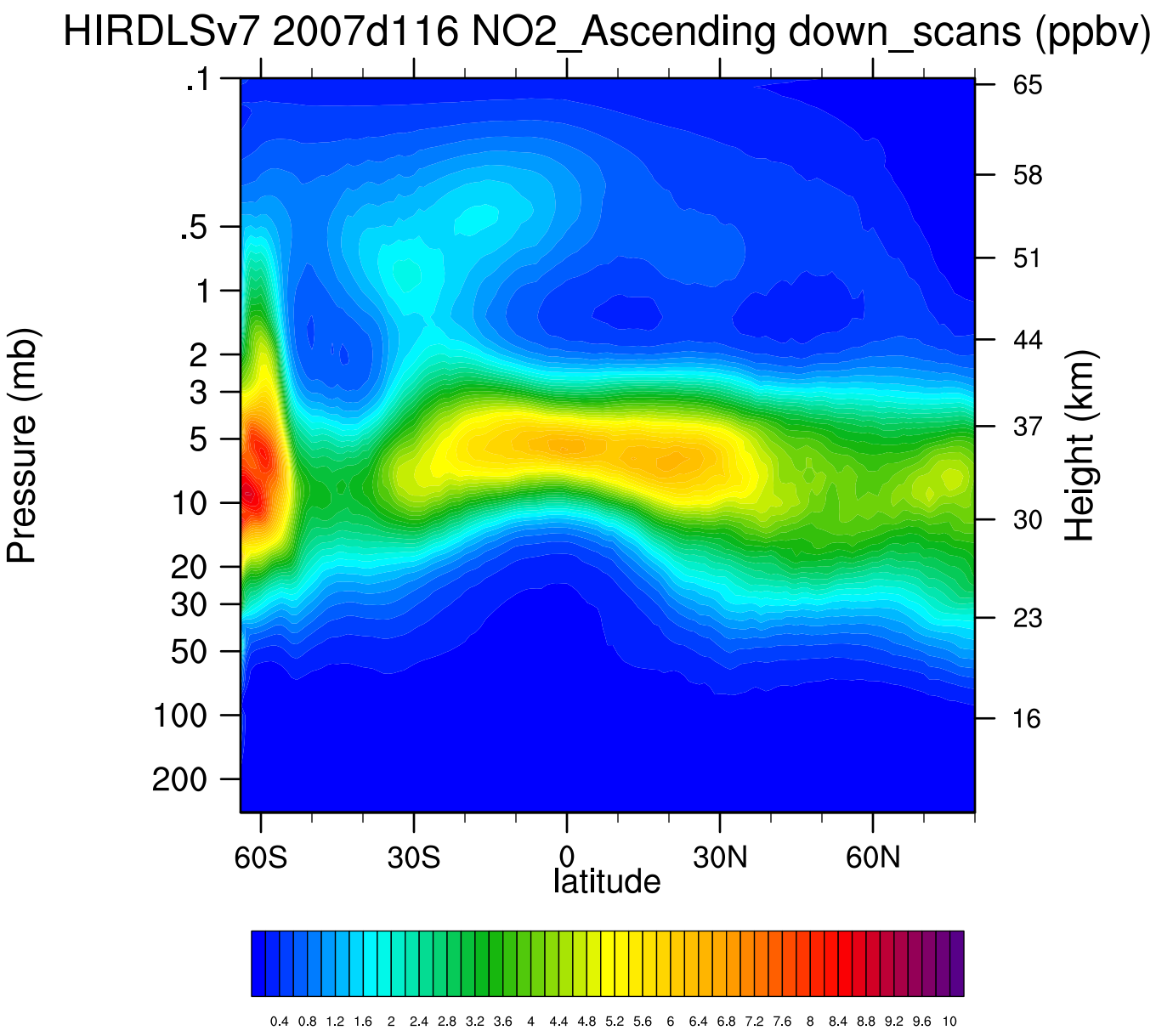

HIRDLSv7 2007d111 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

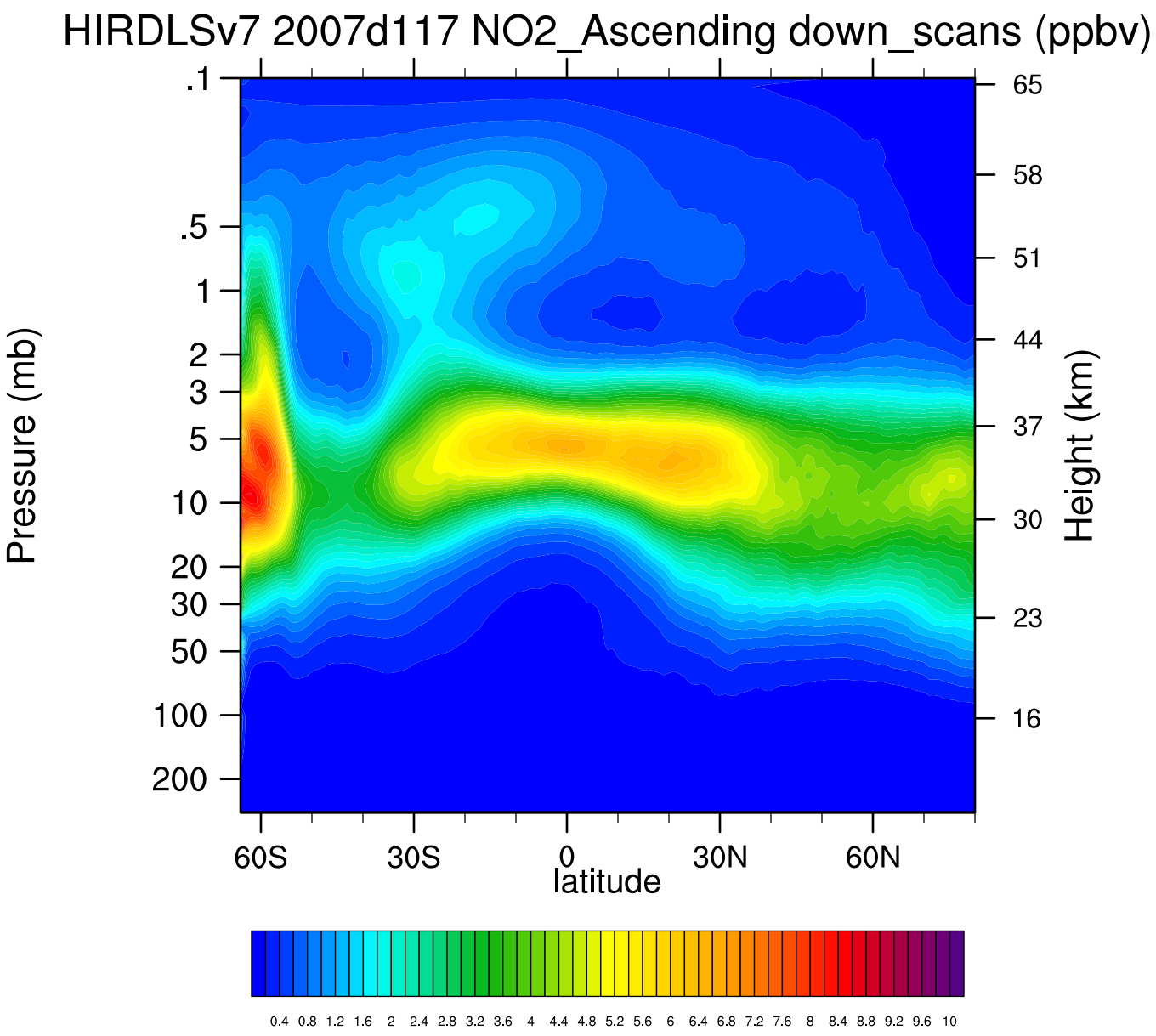

HIRDLSv7 2007d112 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

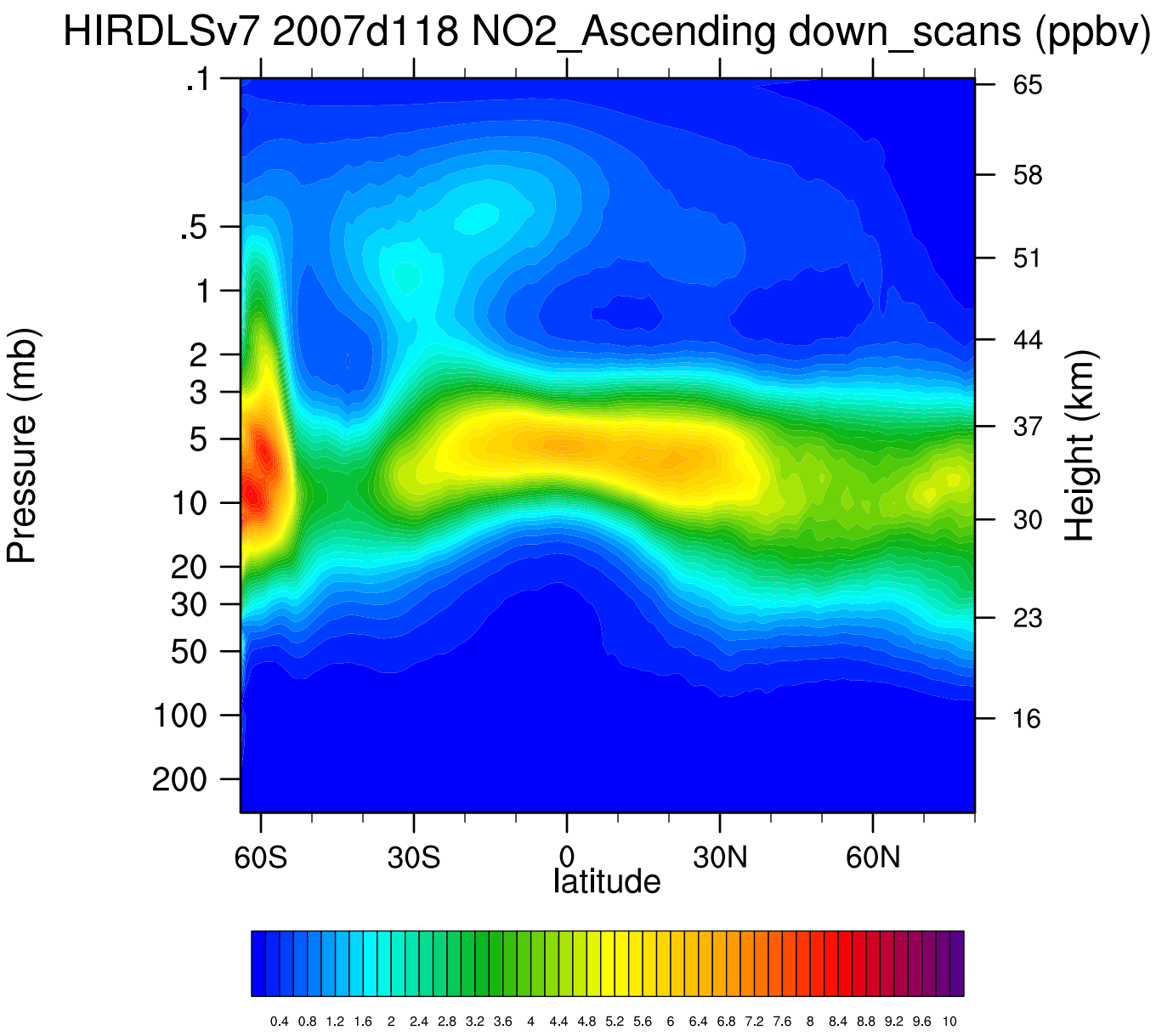

HIRDLSv7 2007d113 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

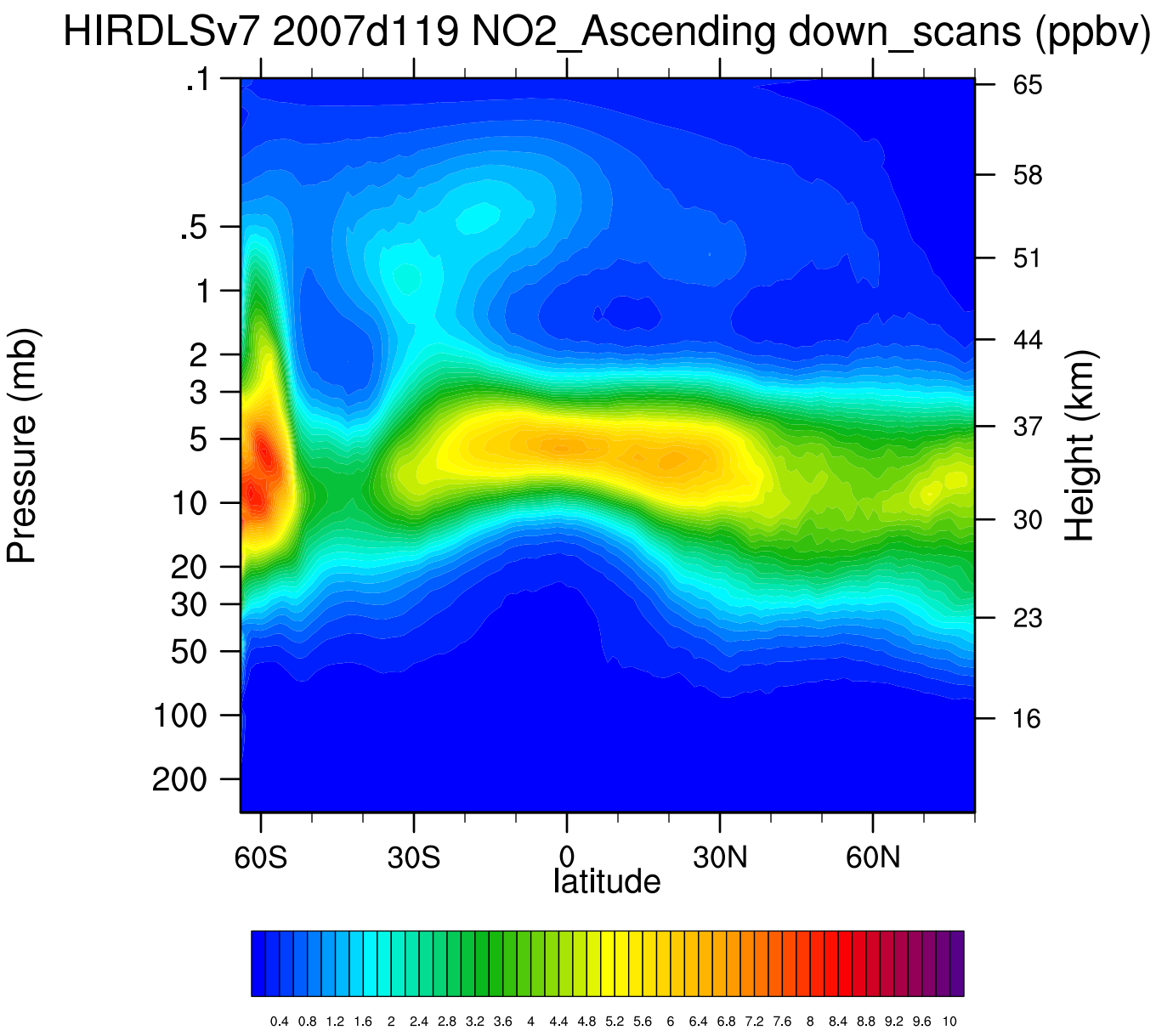

HIRDLSv7 2007d114 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

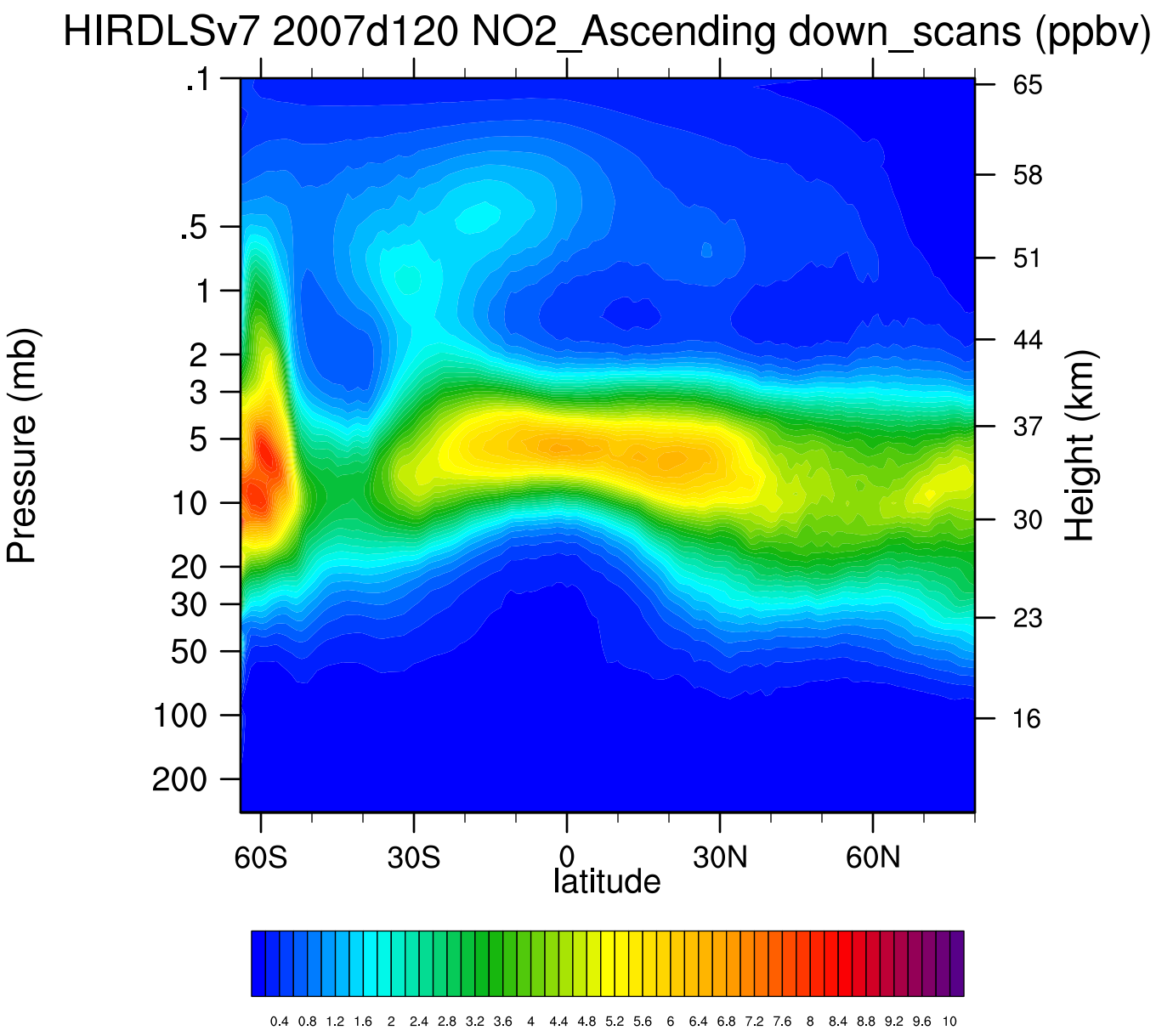

HIRDLSv7 2007d115 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

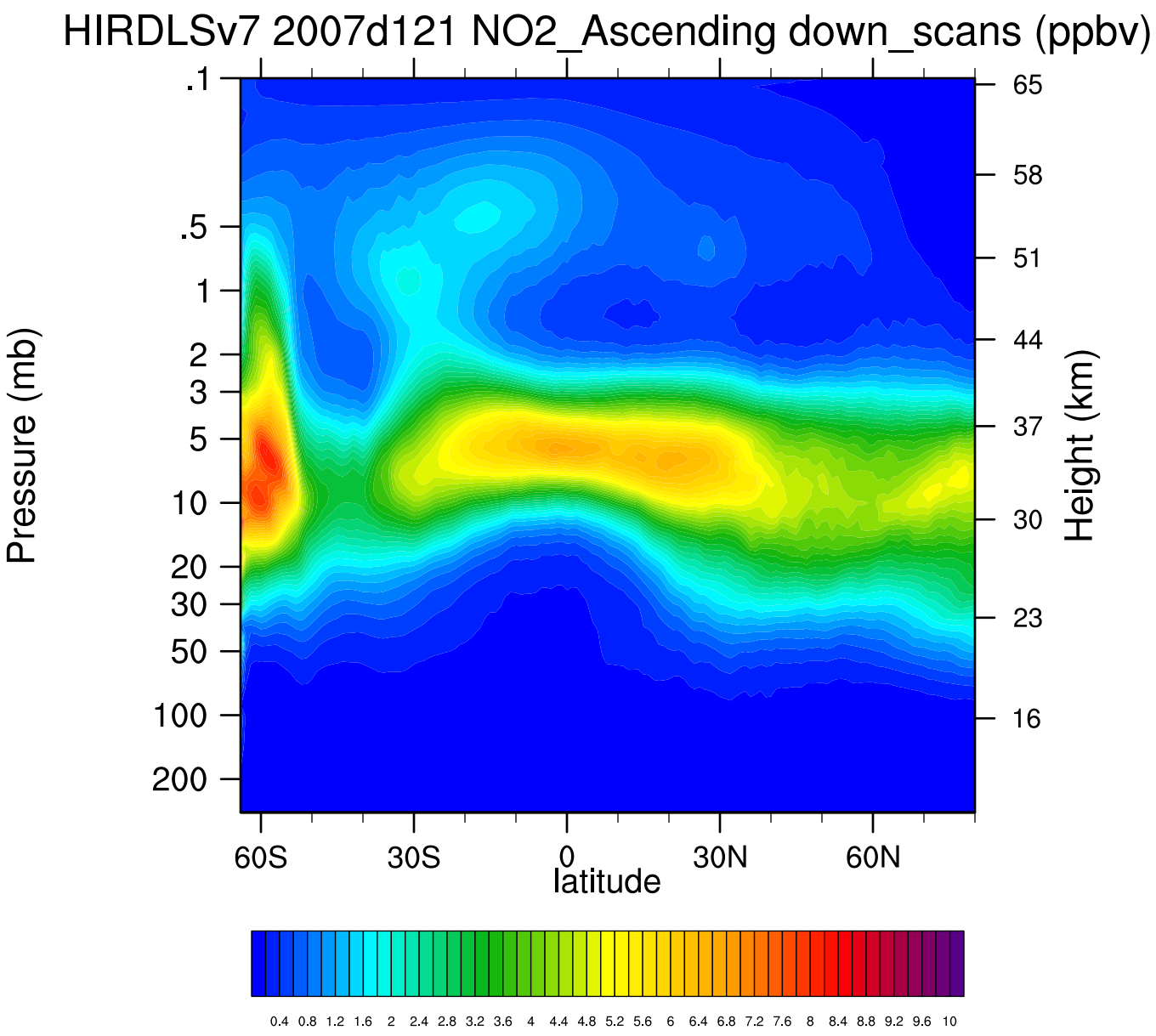

HIRDLSv7 2007d116 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

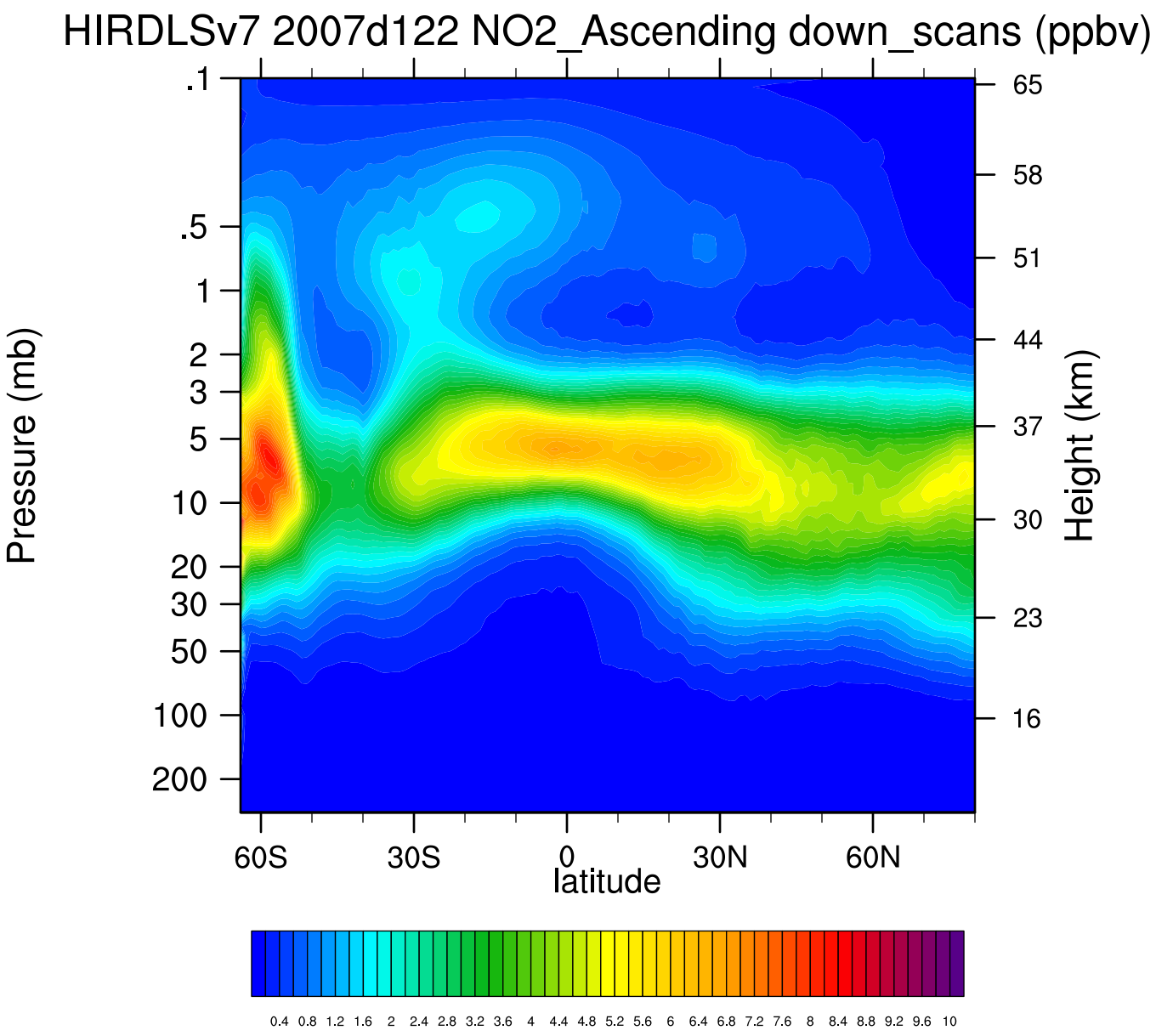

HIRDLSv7 2007d117 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

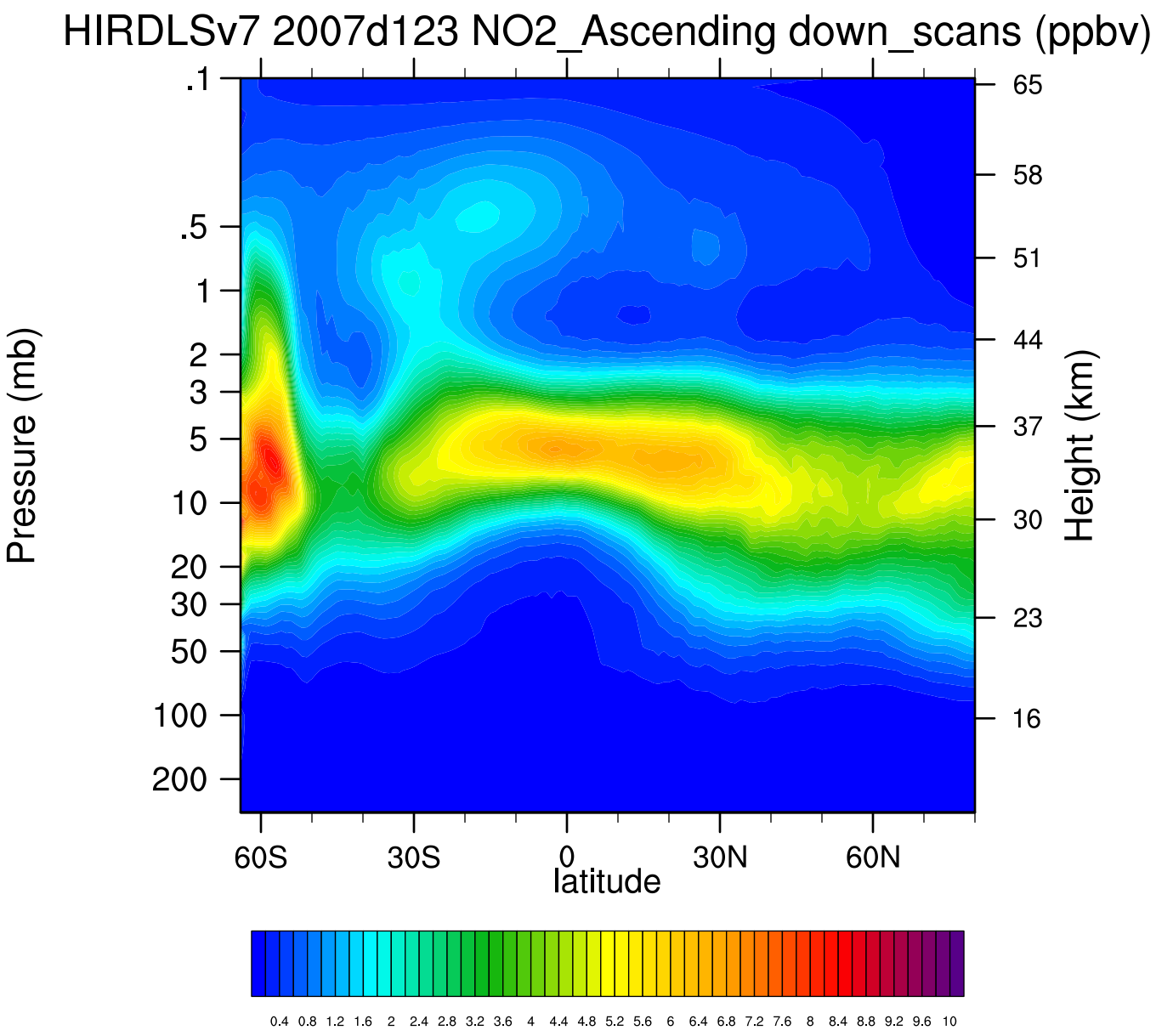

HIRDLSv7 2007d118 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

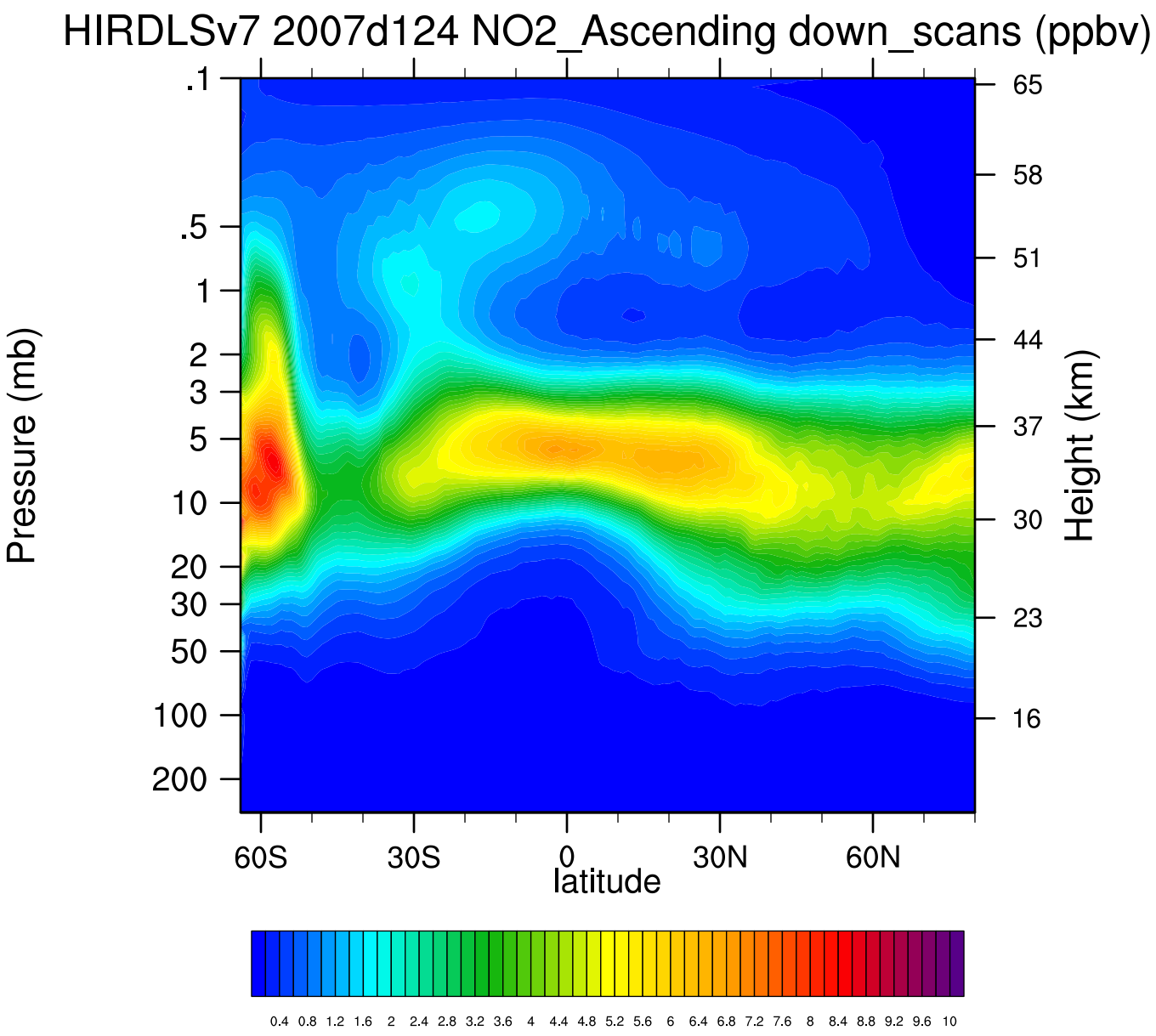

HIRDLSv7 2007d119 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

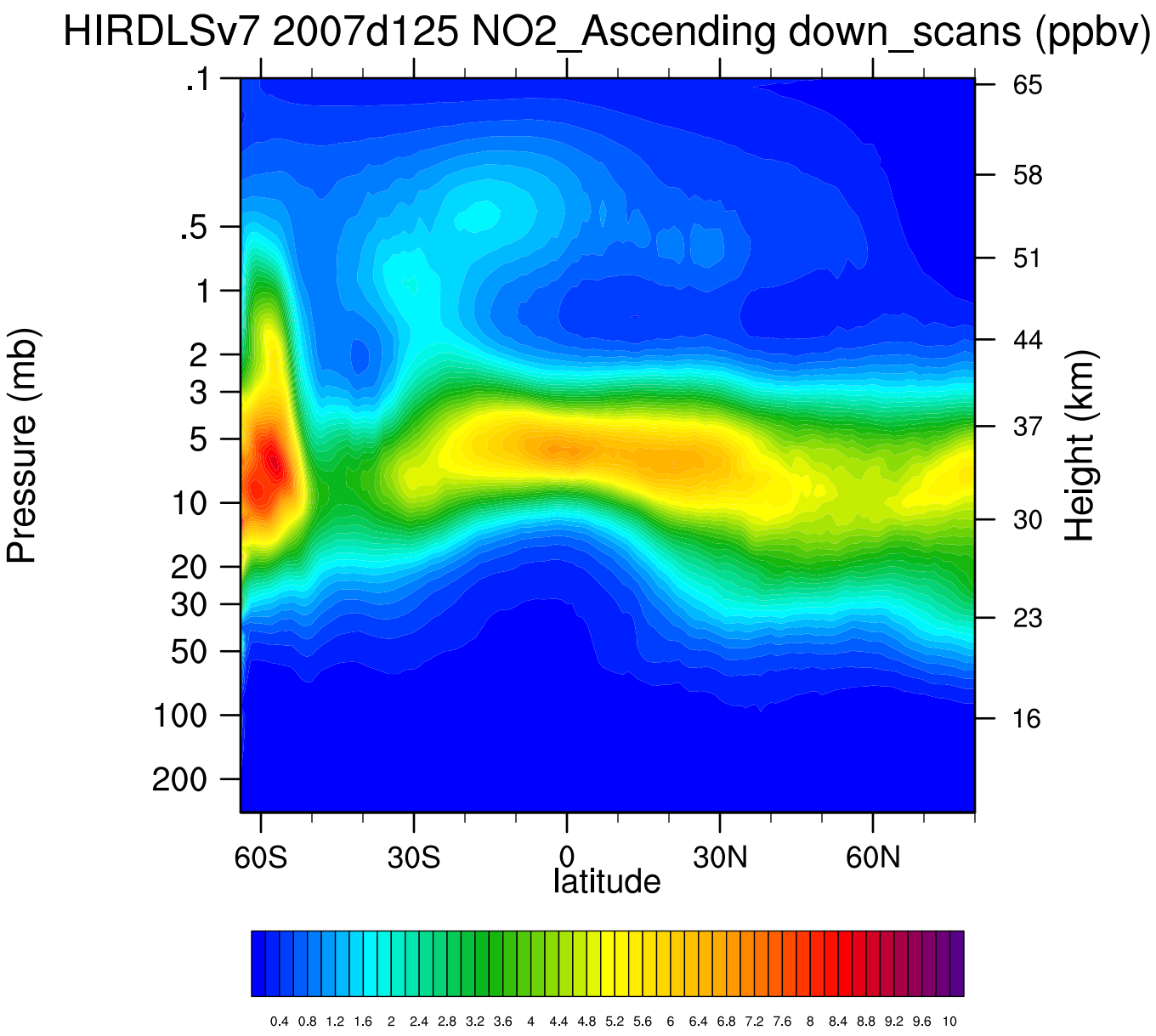

HIRDLSv7 2007d120 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

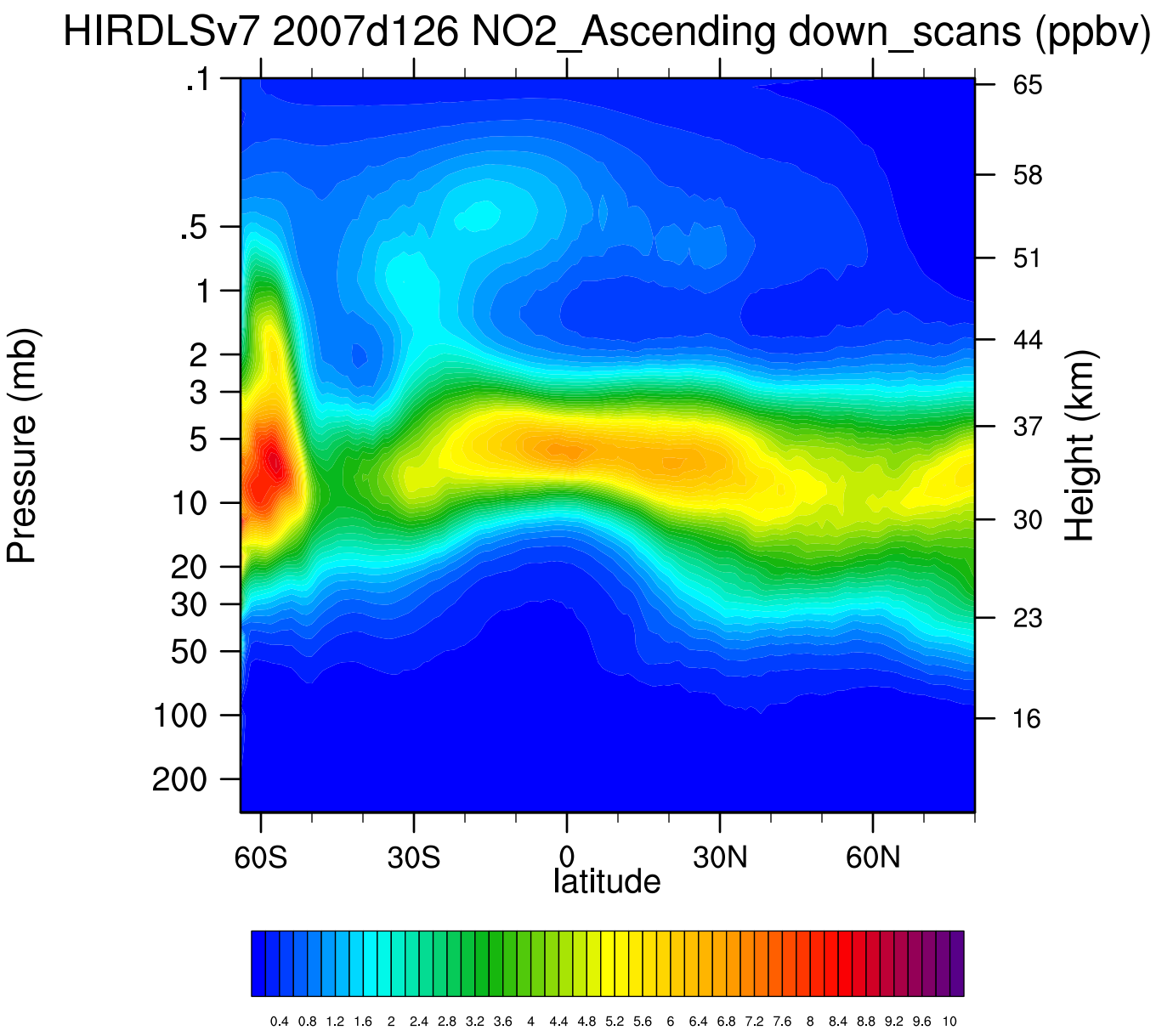

HIRDLSv7 2007d121 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

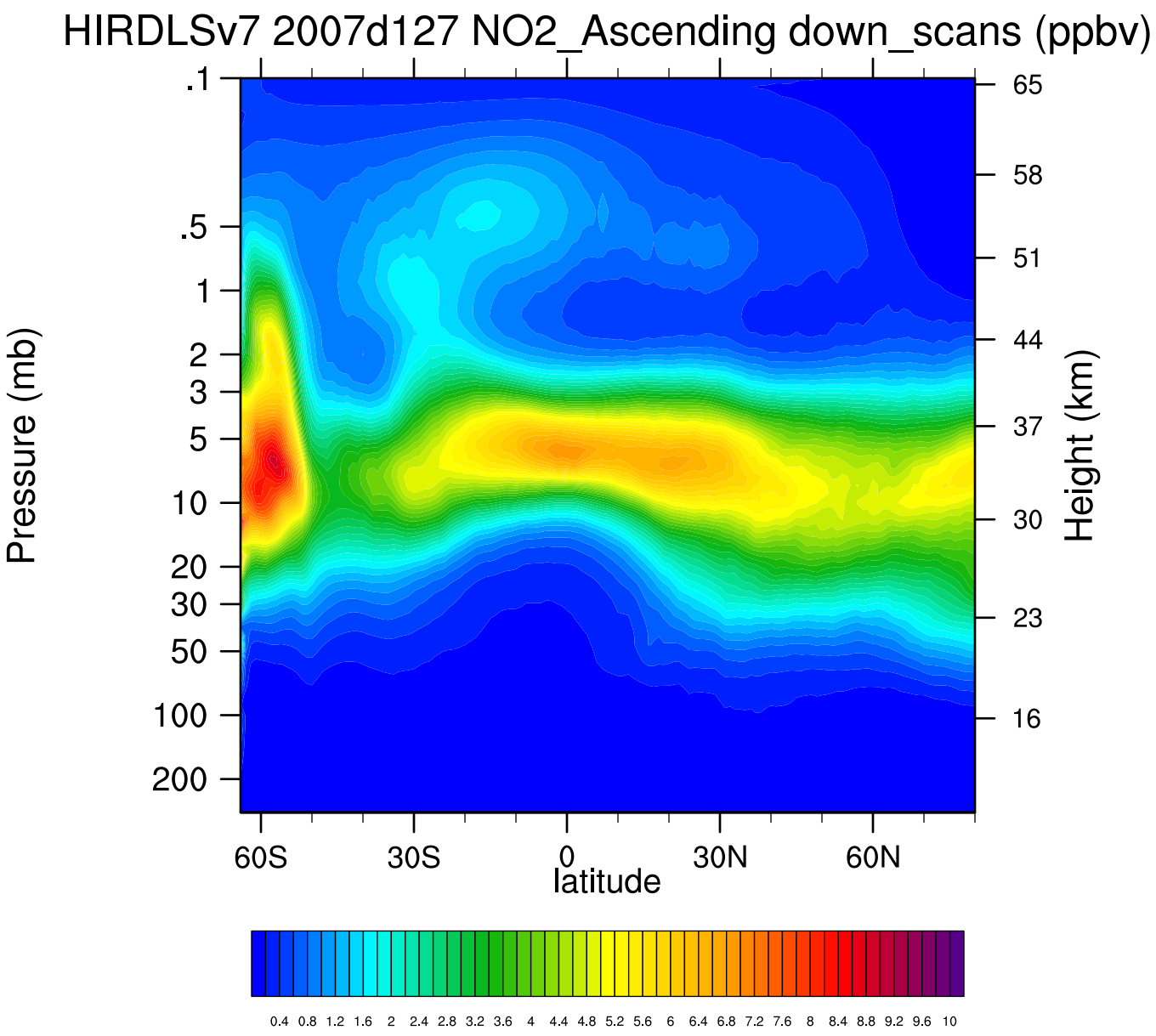

HIRDLSv7 2007d122 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

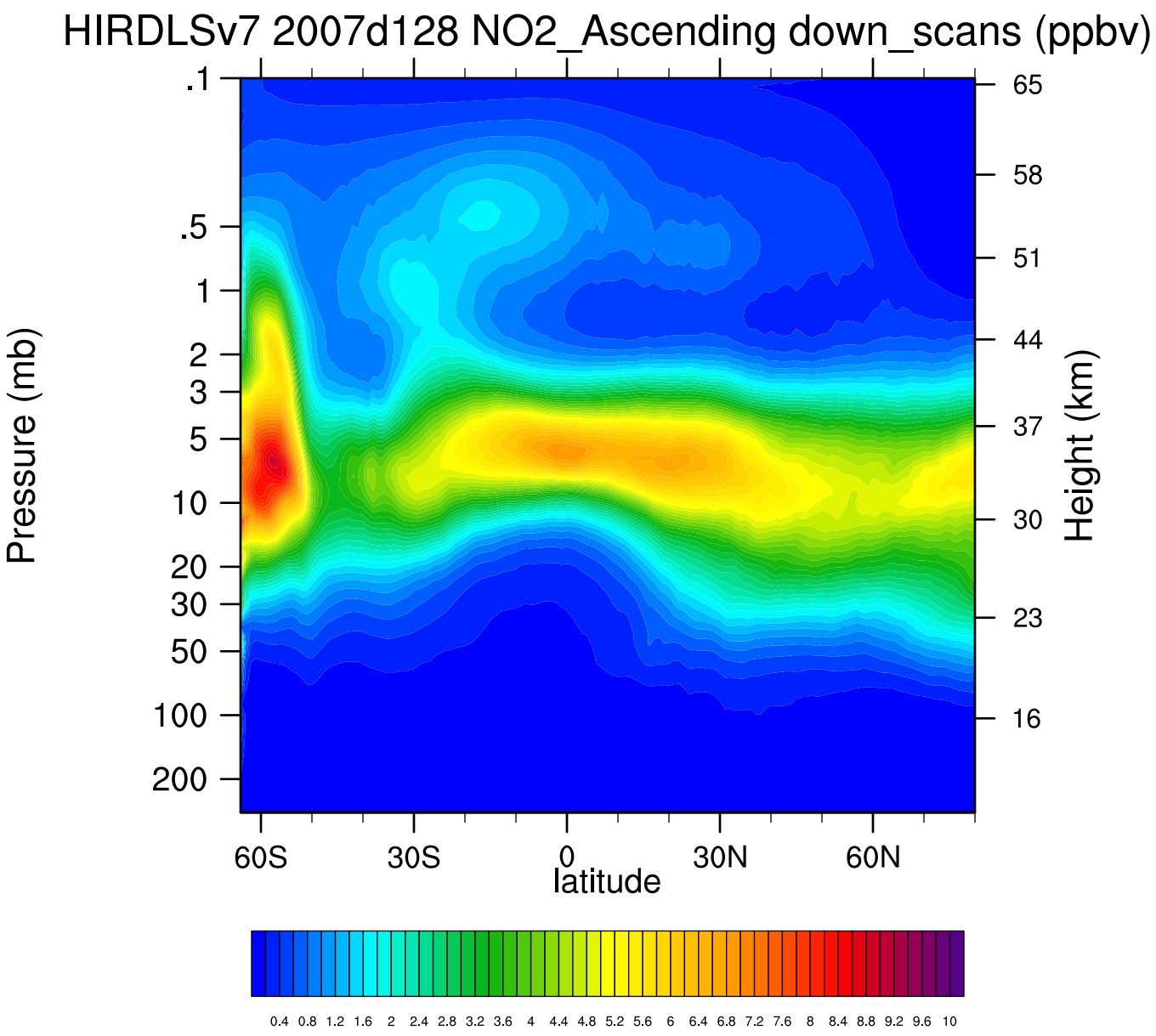

HIRDLSv7 2007d123 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

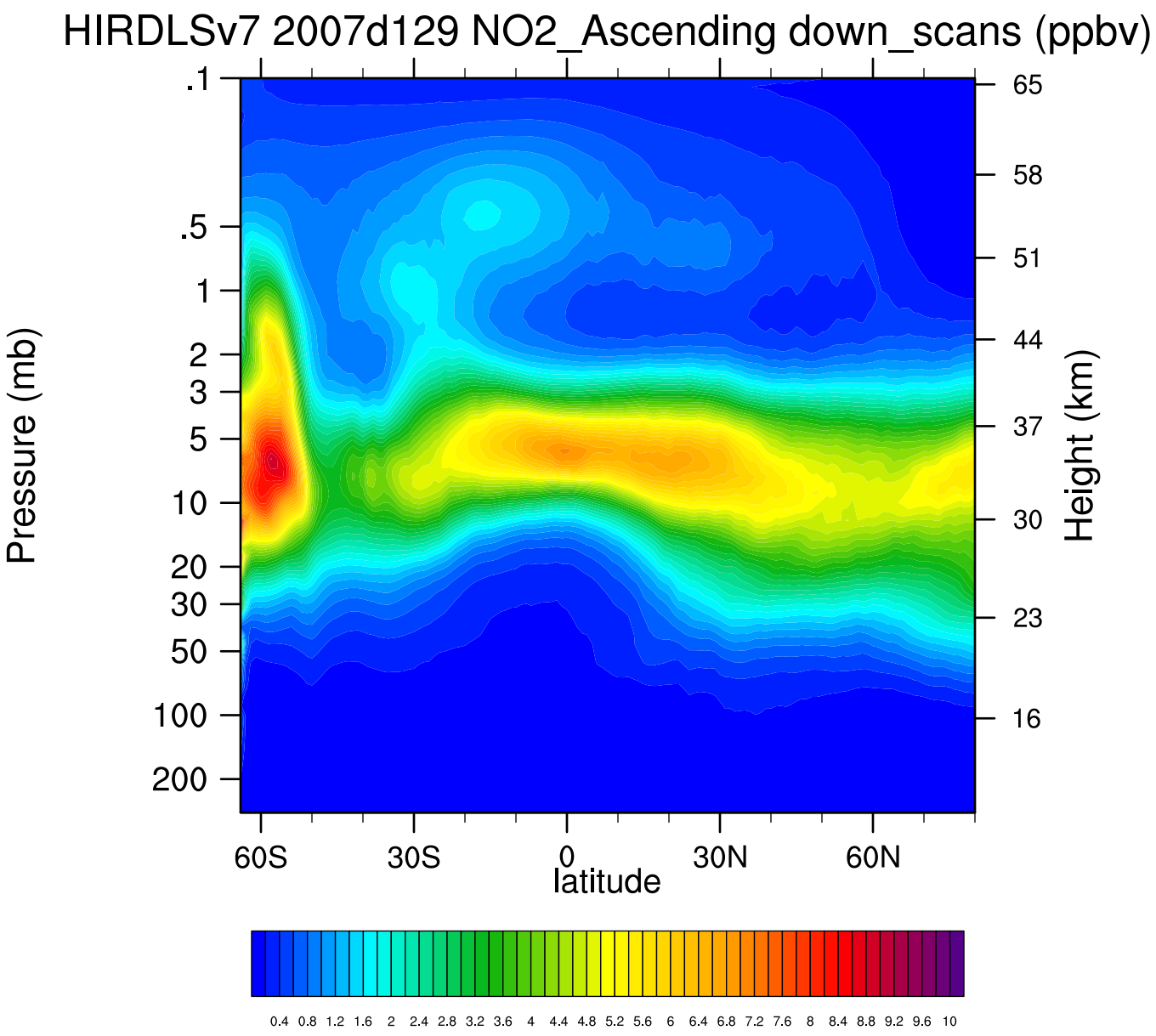

HIRDLSv7 2007d124 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

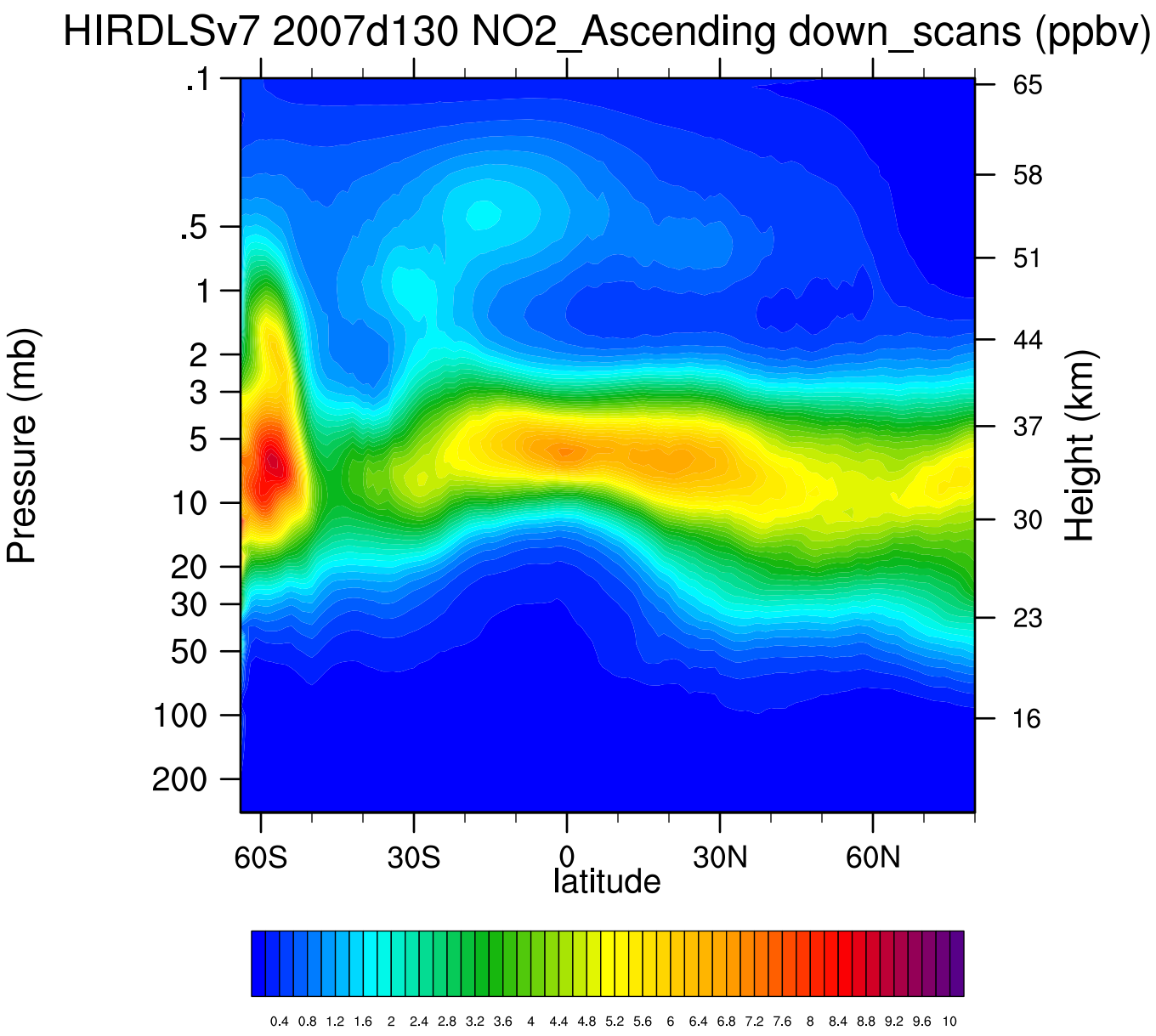

HIRDLSv7 2007d125 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

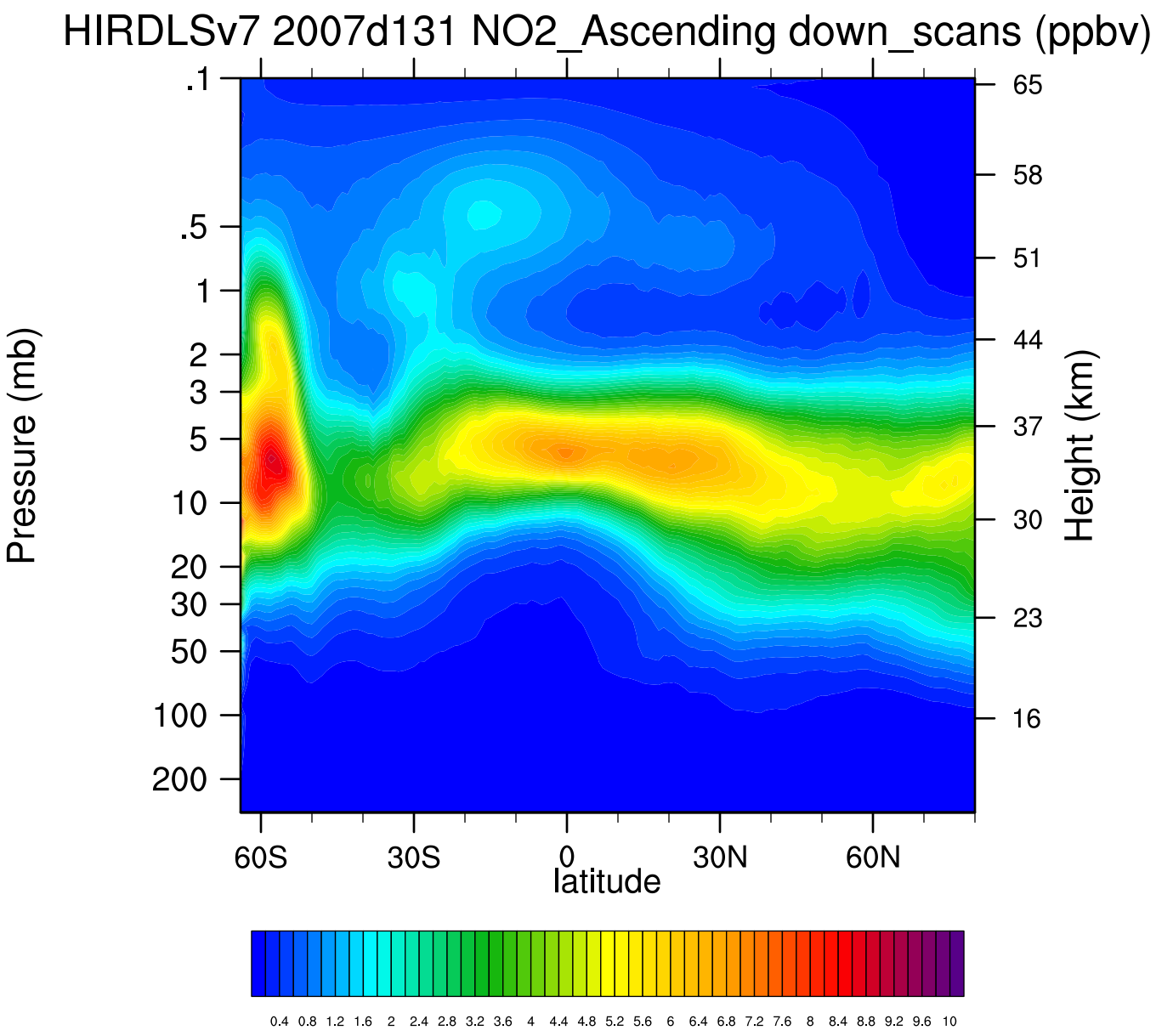

HIRDLSv7 2007d126 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

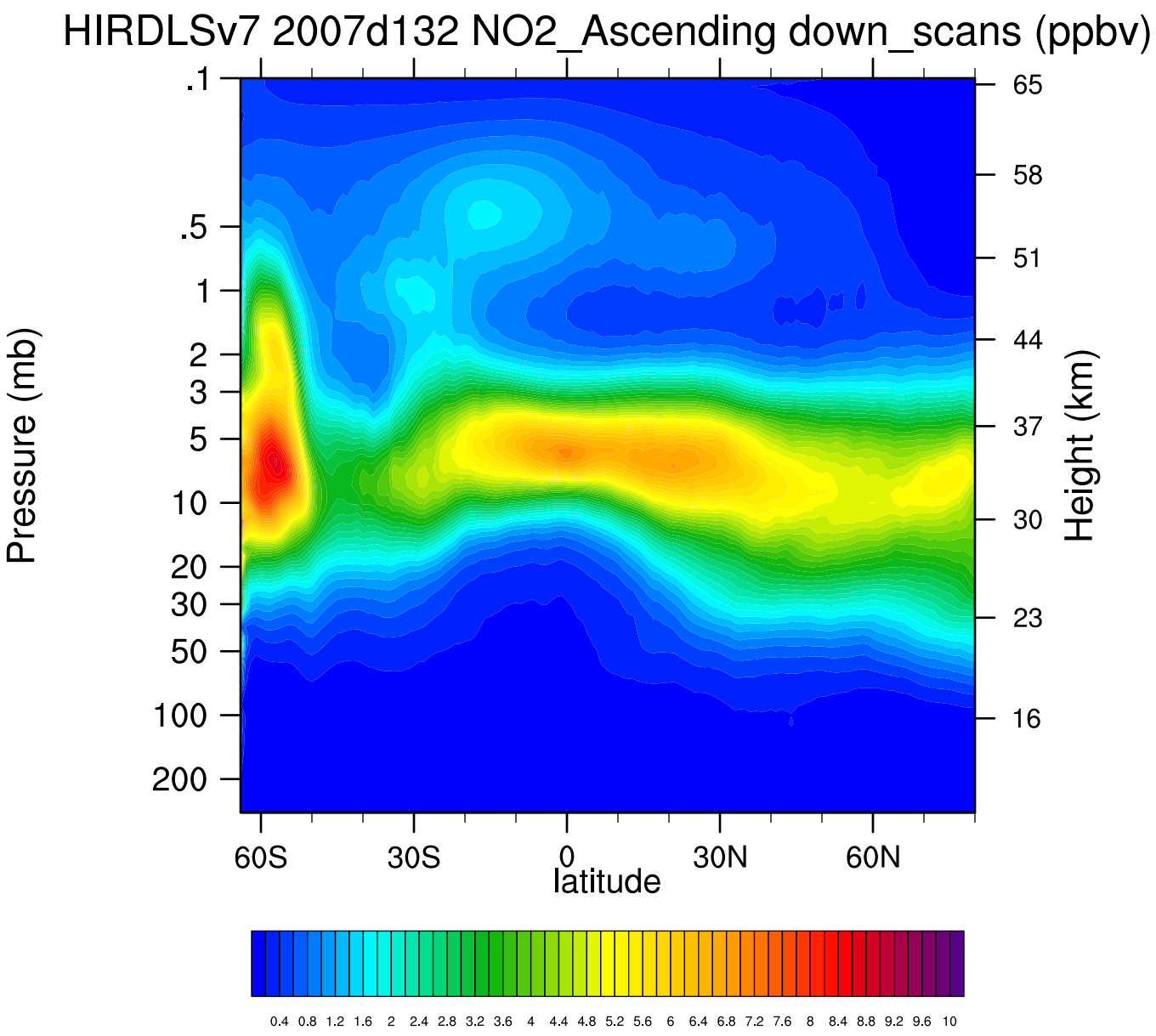

HIRDLSv7 2007d127 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

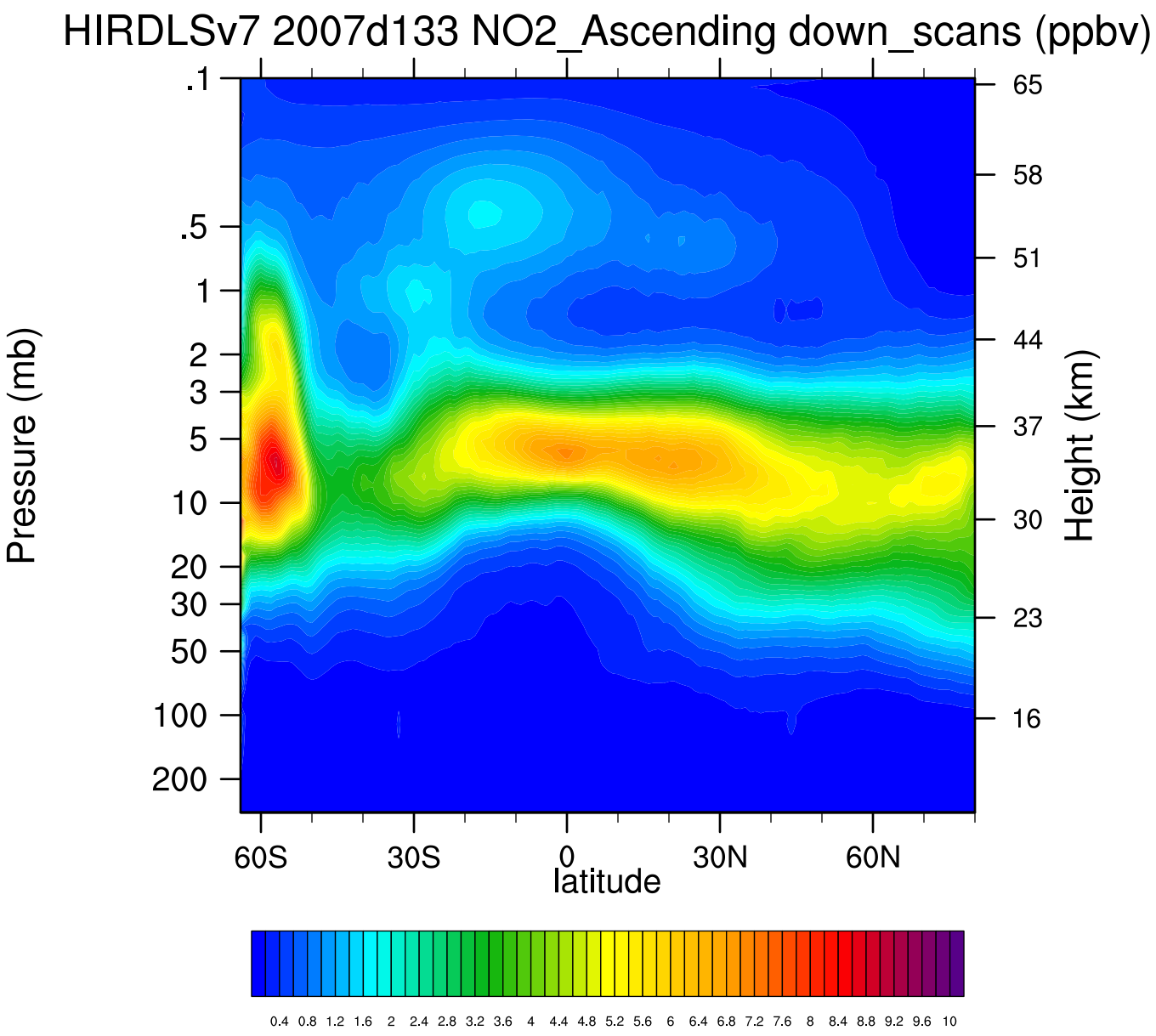

HIRDLSv7 2007d128 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

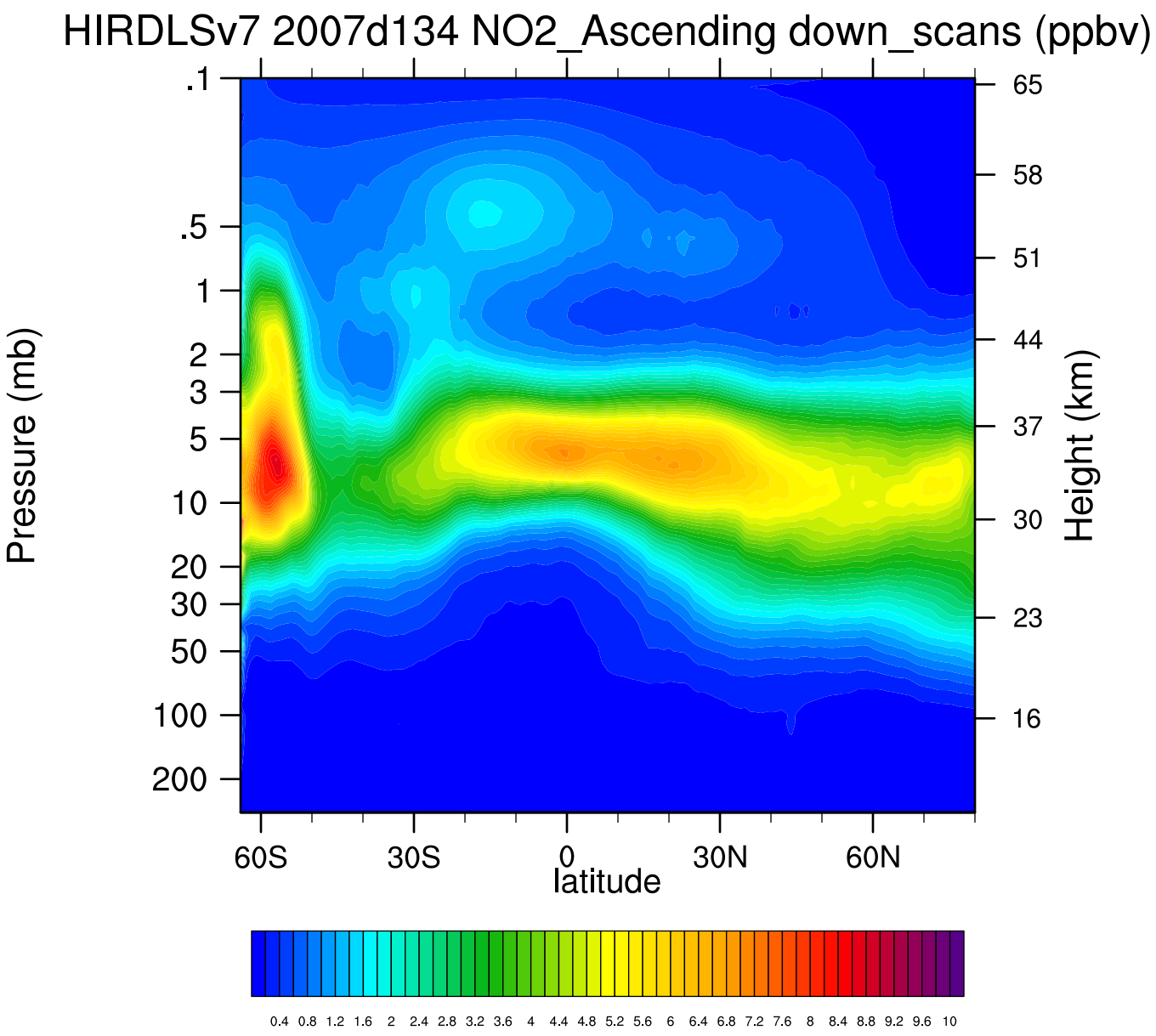

HIRDLSv7 2007d129 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

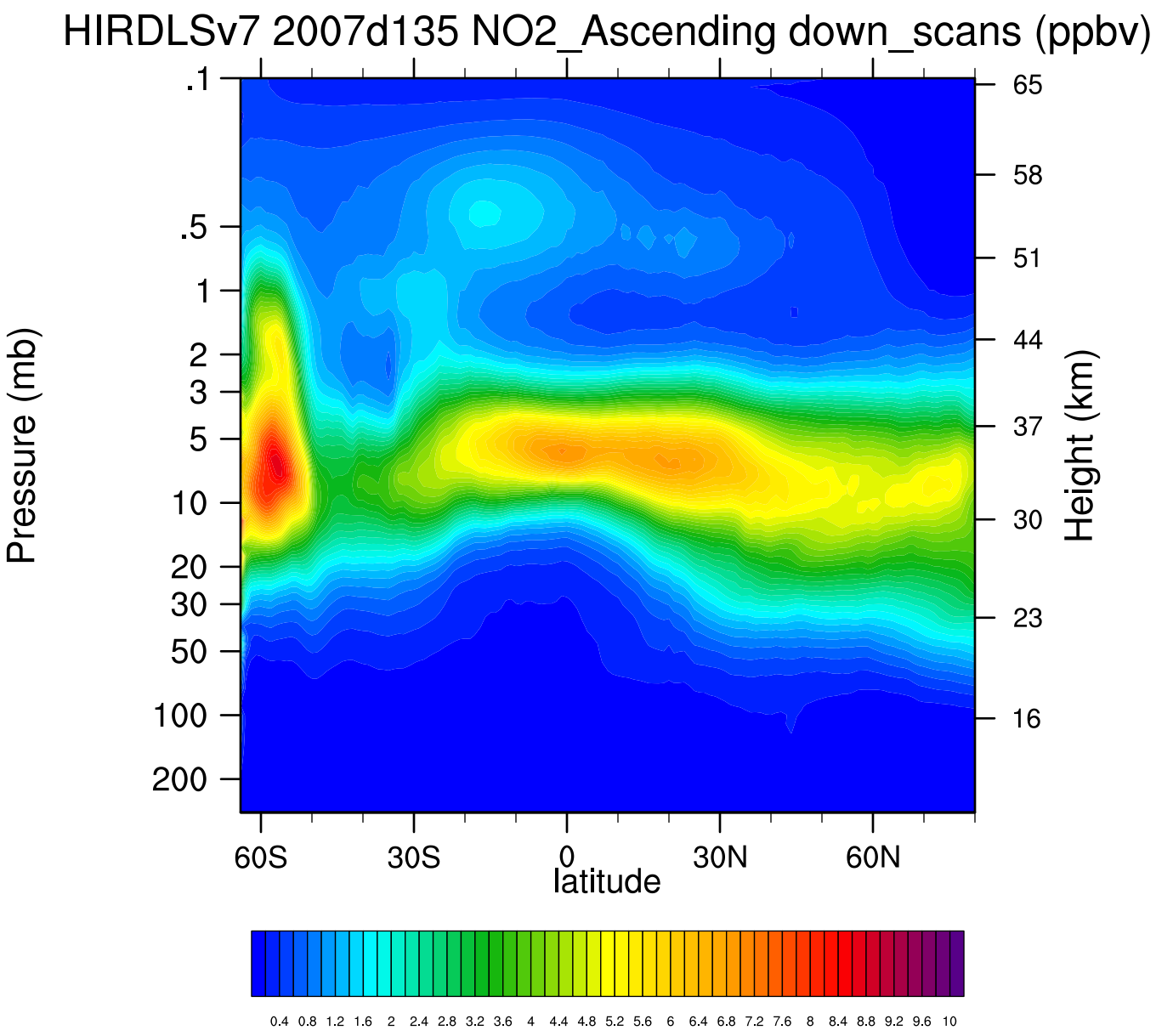

HIRDLSv7 2007d130 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

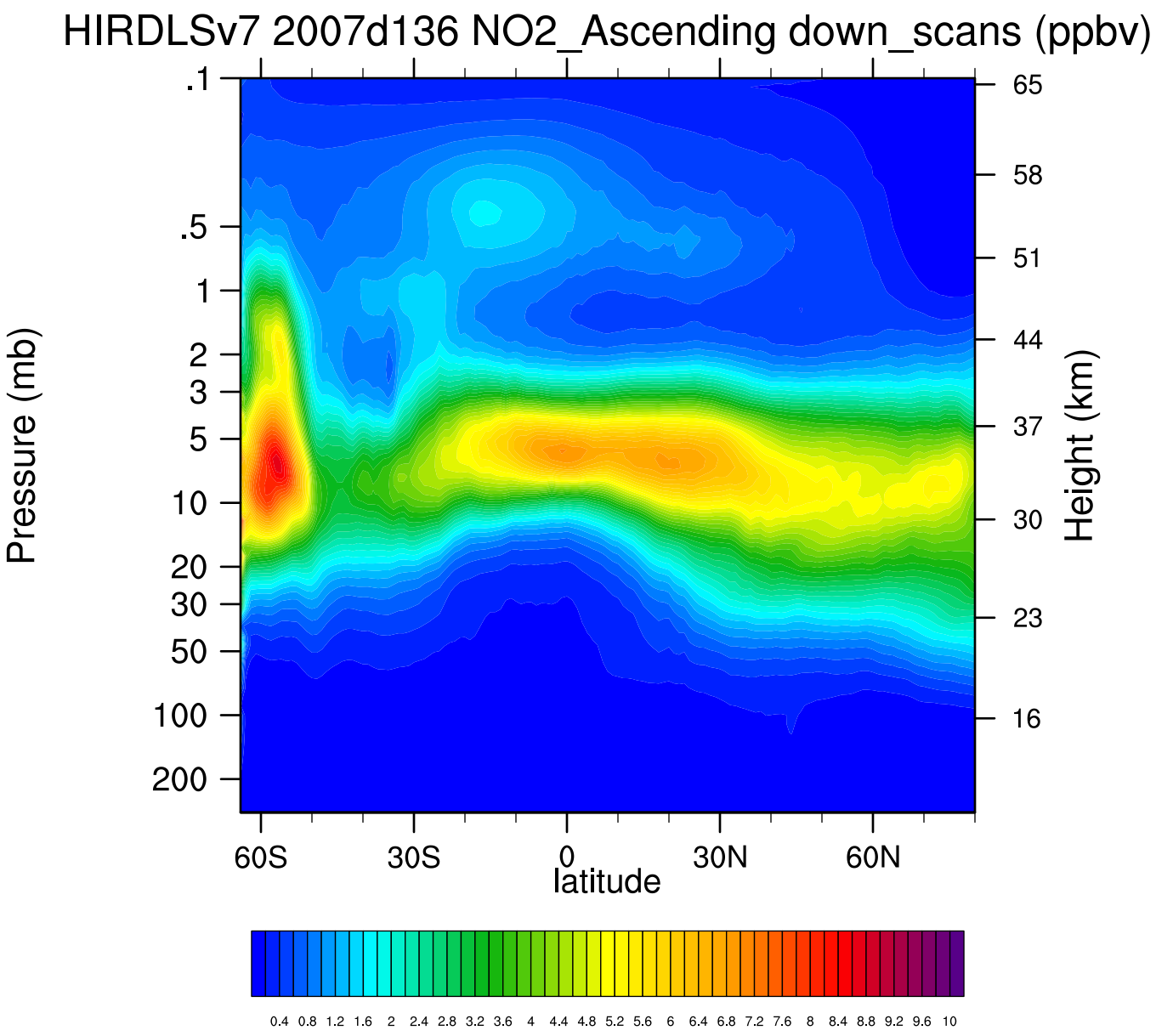

HIRDLSv7 2007d131 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

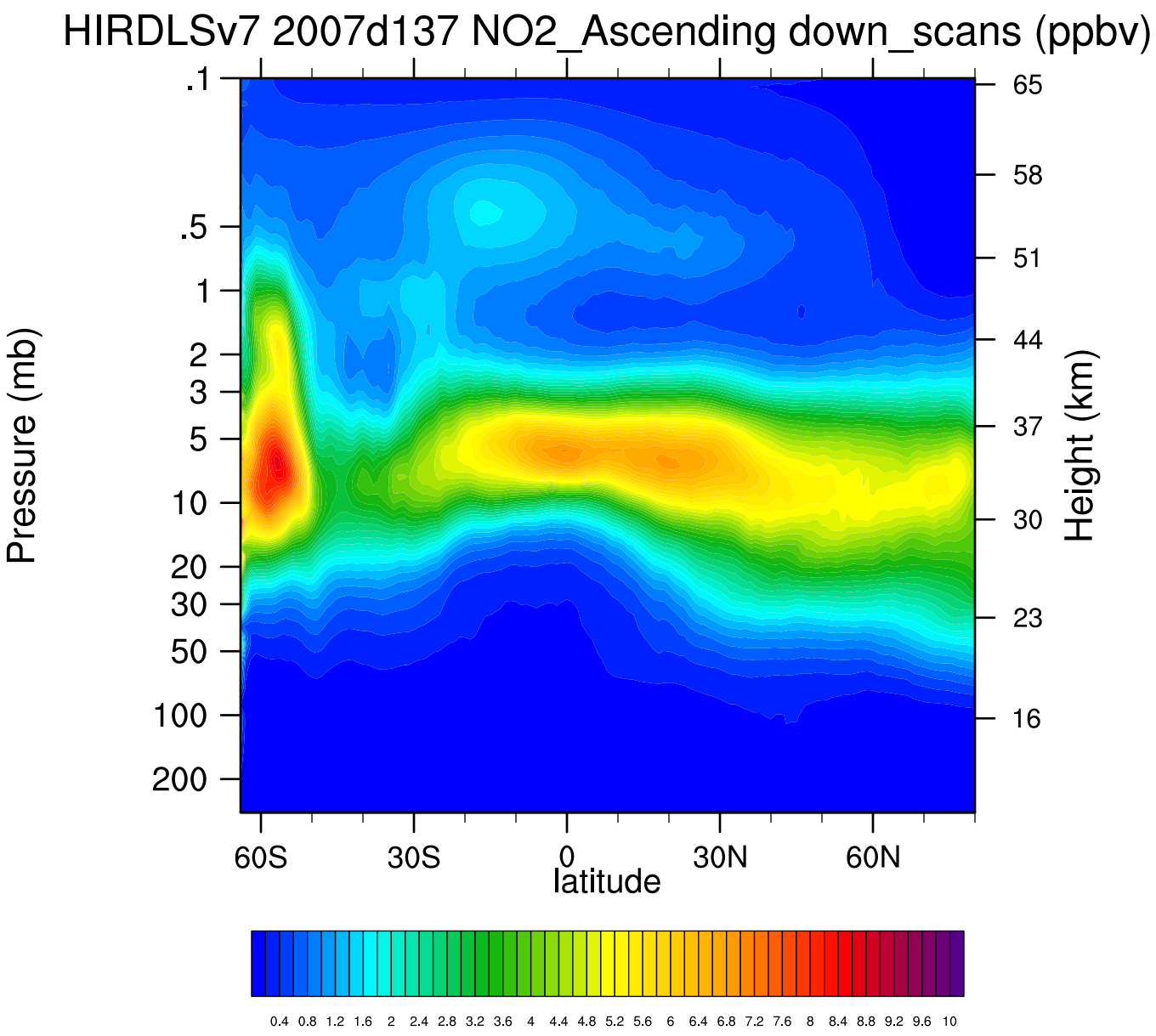

HIRDLSv7 2007d132 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

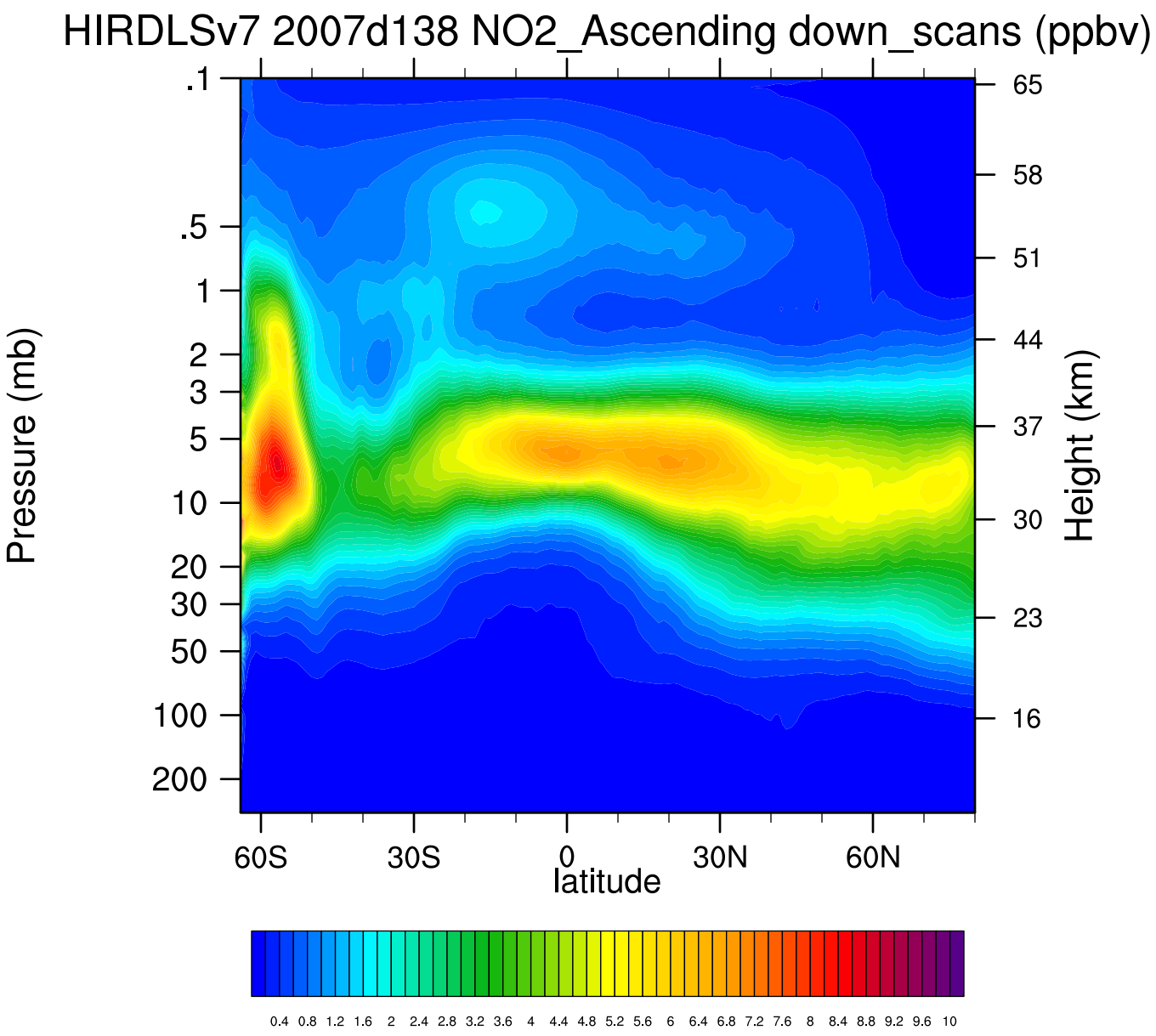

HIRDLSv7 2007d133 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

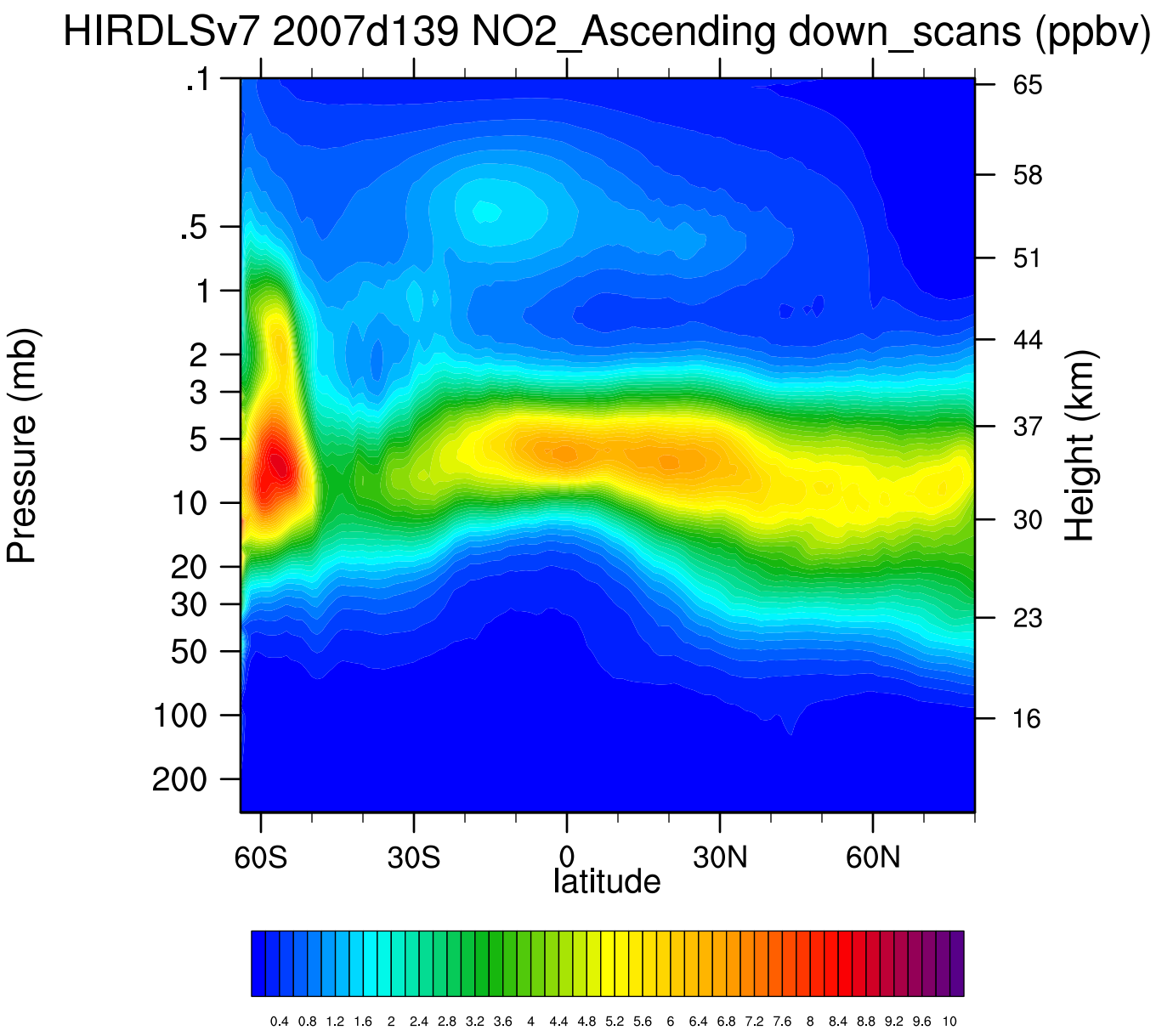

HIRDLSv7 2007d134 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

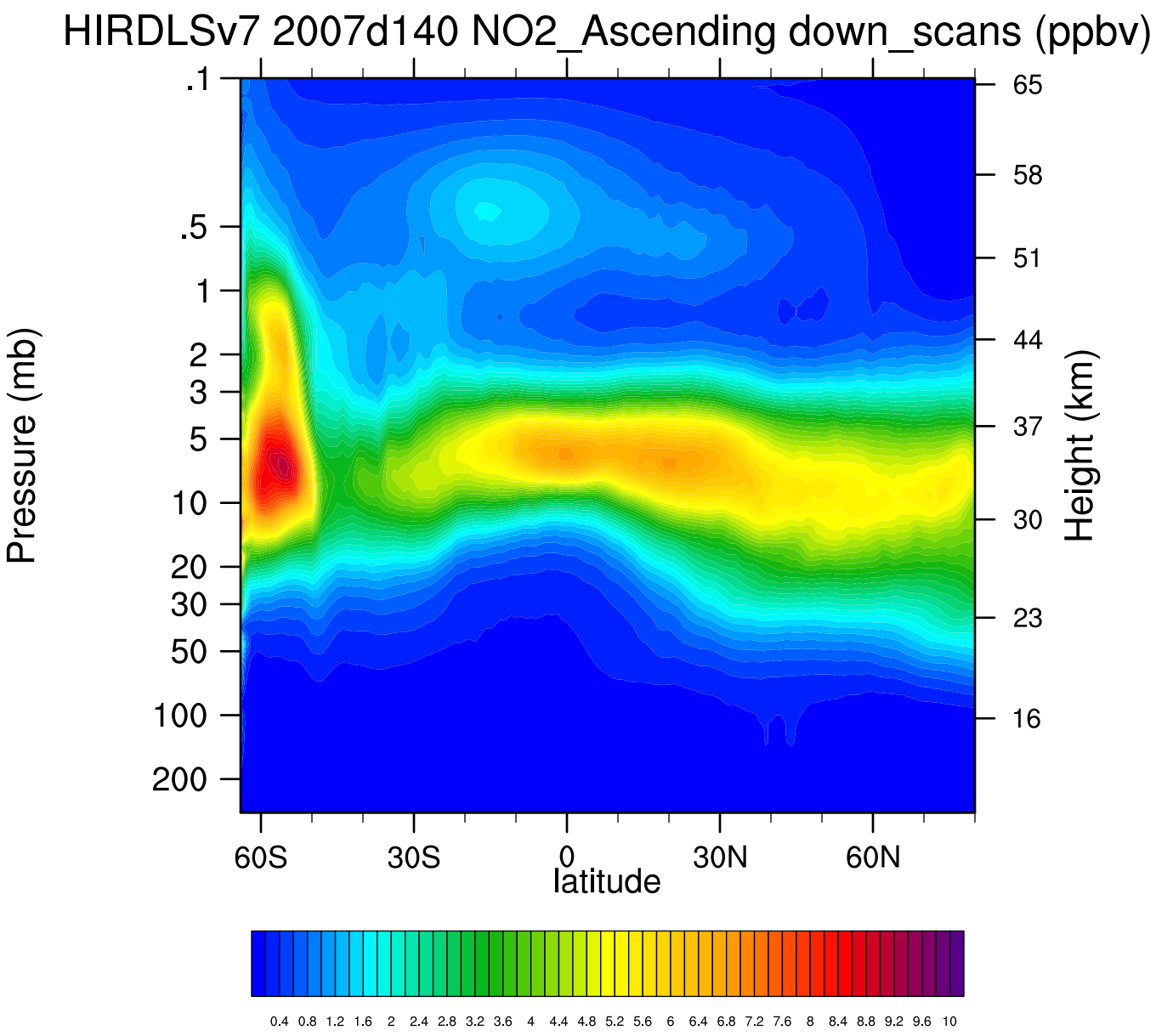

HIRDLSv7 2007d135 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

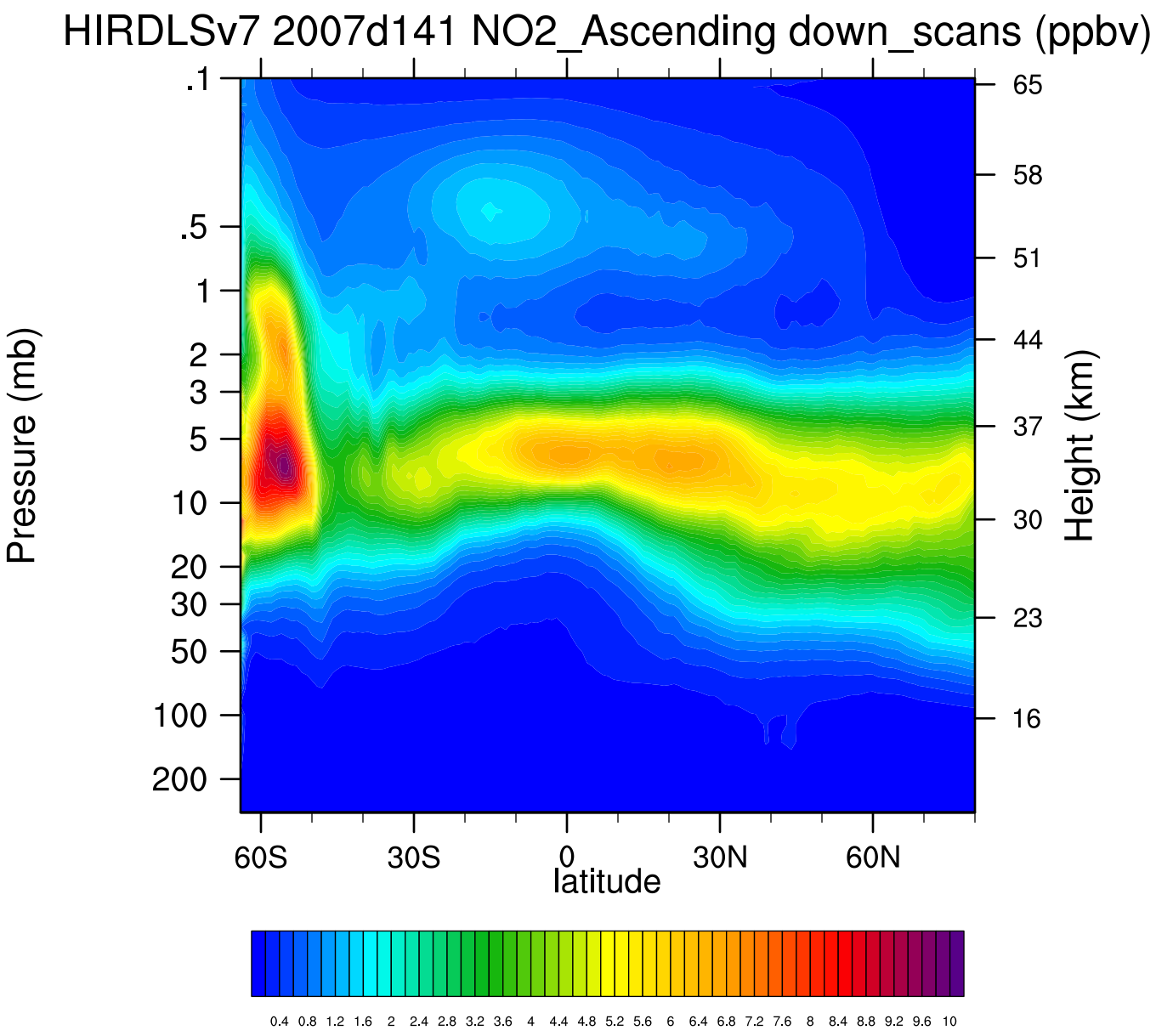

HIRDLSv7 2007d136 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

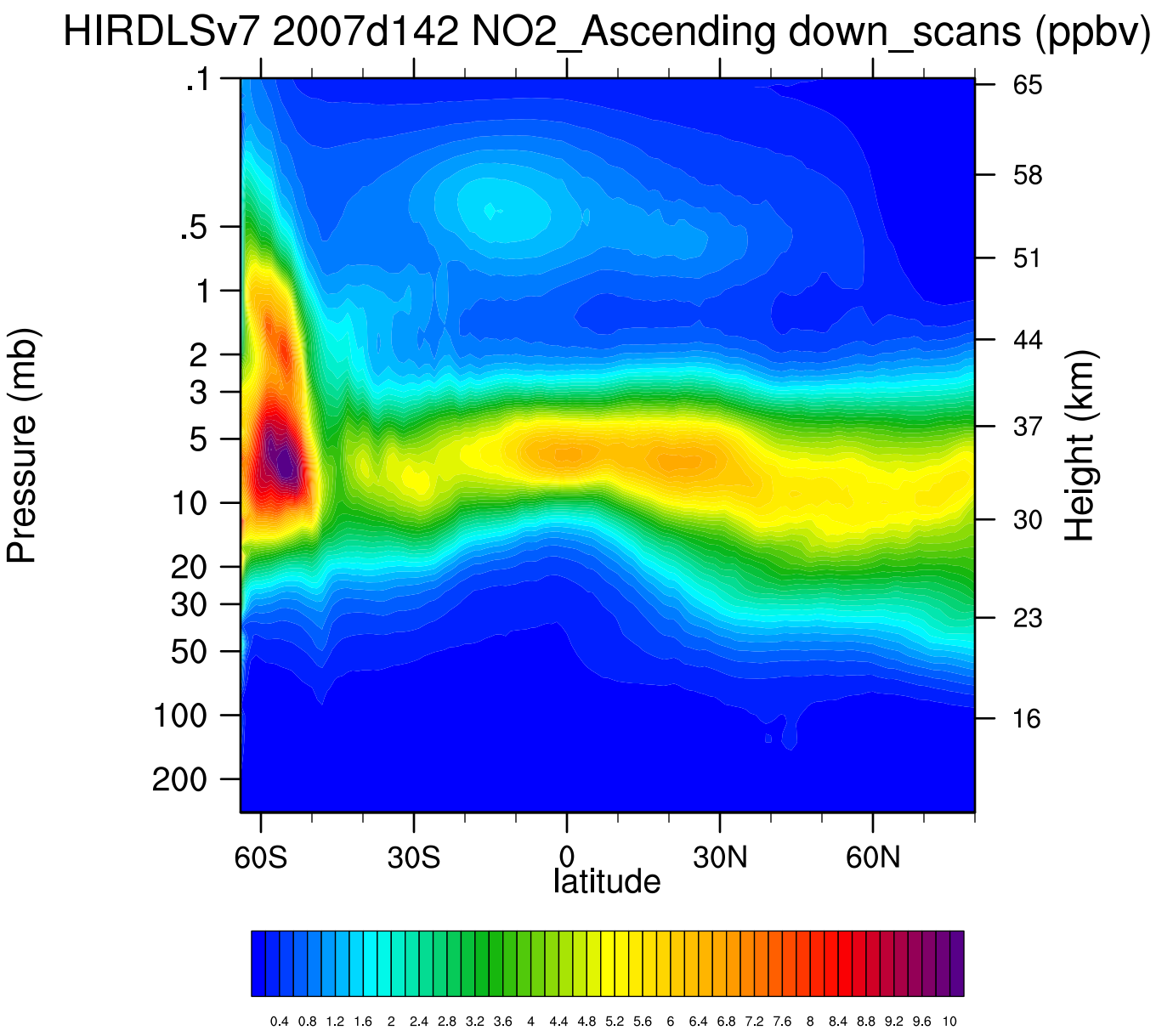

HIRDLSv7 2007d137 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

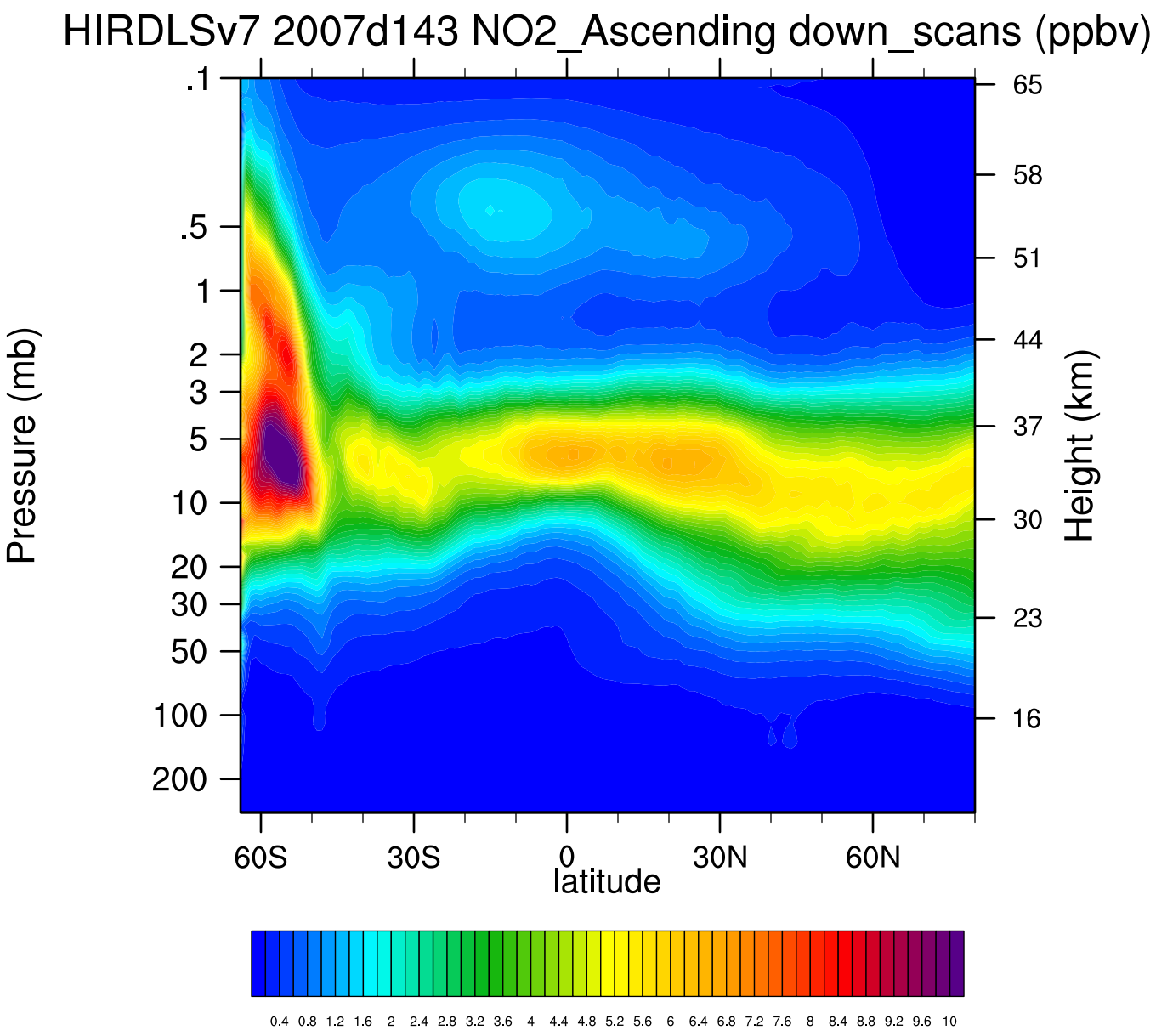

HIRDLSv7 2007d138 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

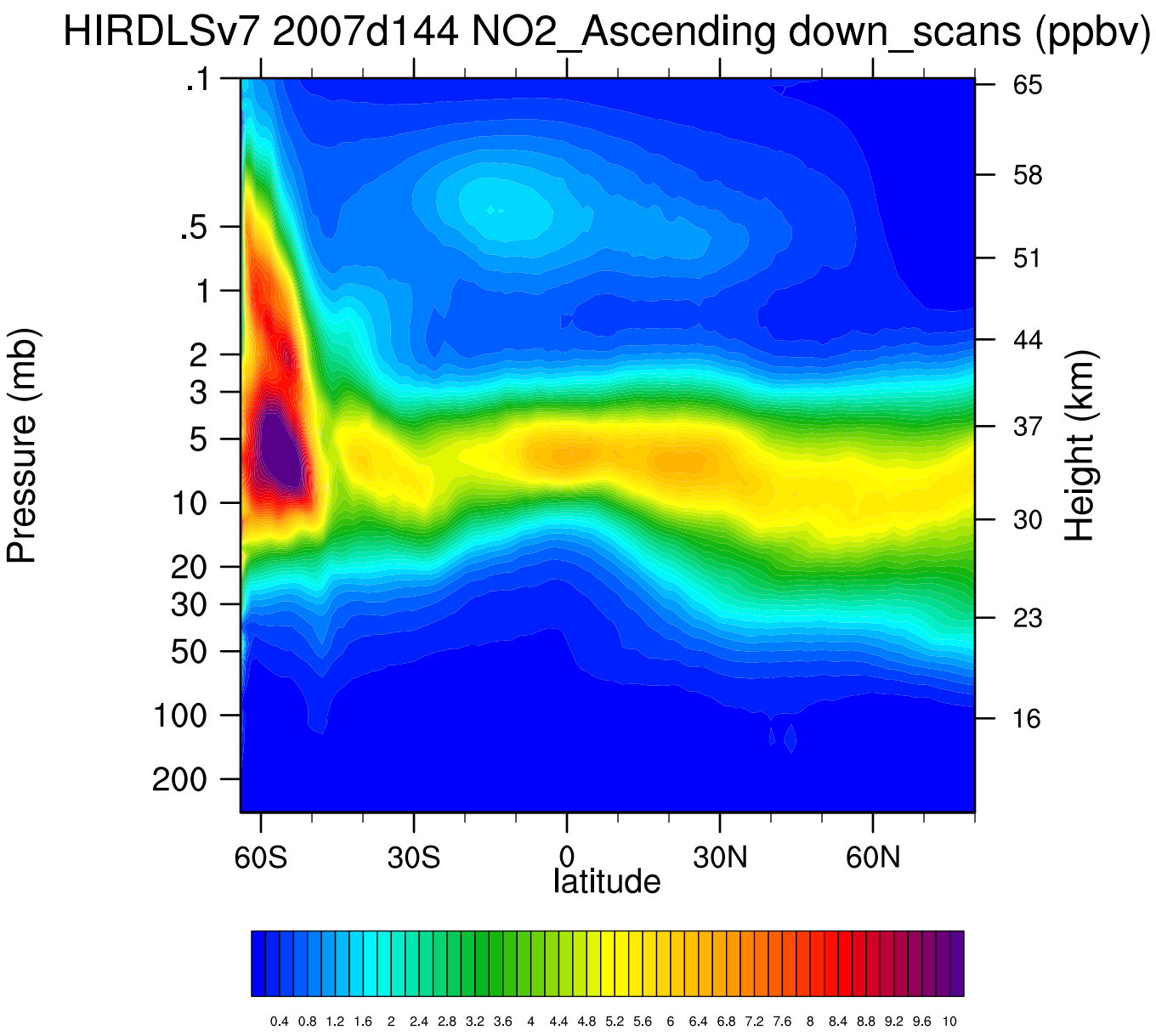

HIRDLSv7 2007d139 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

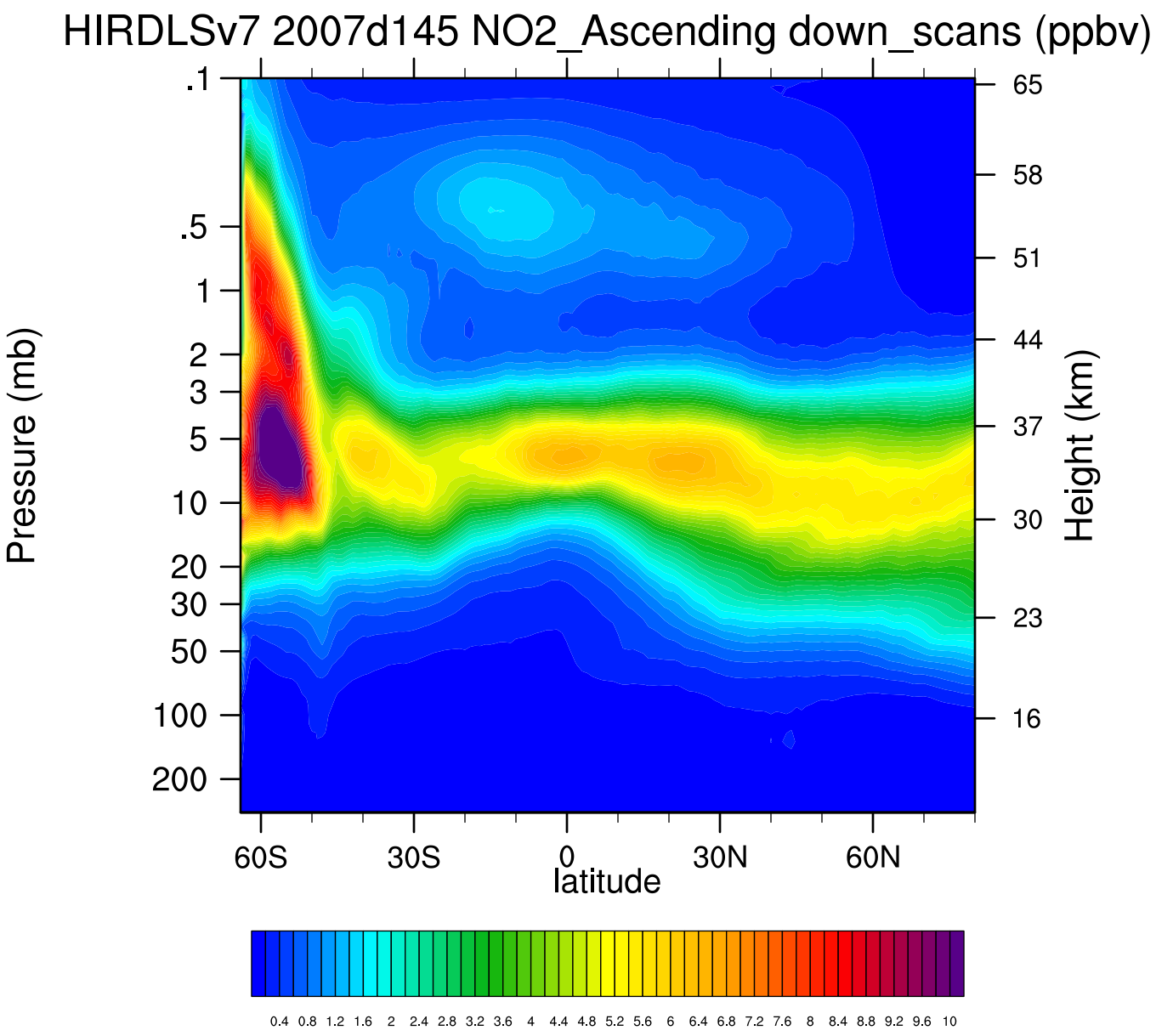

HIRDLSv7 2007d140 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

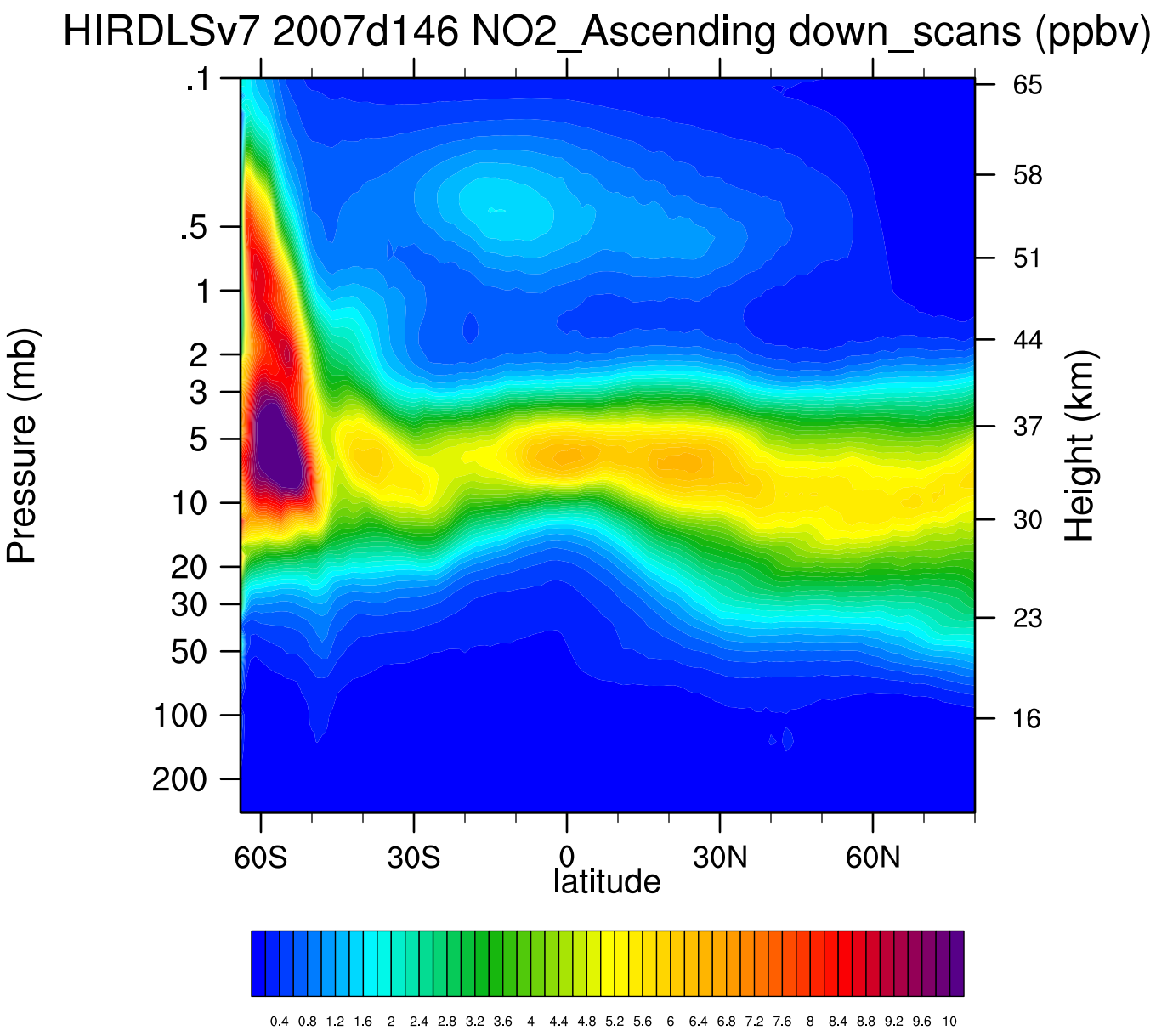

HIRDLSv7 2007d141 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

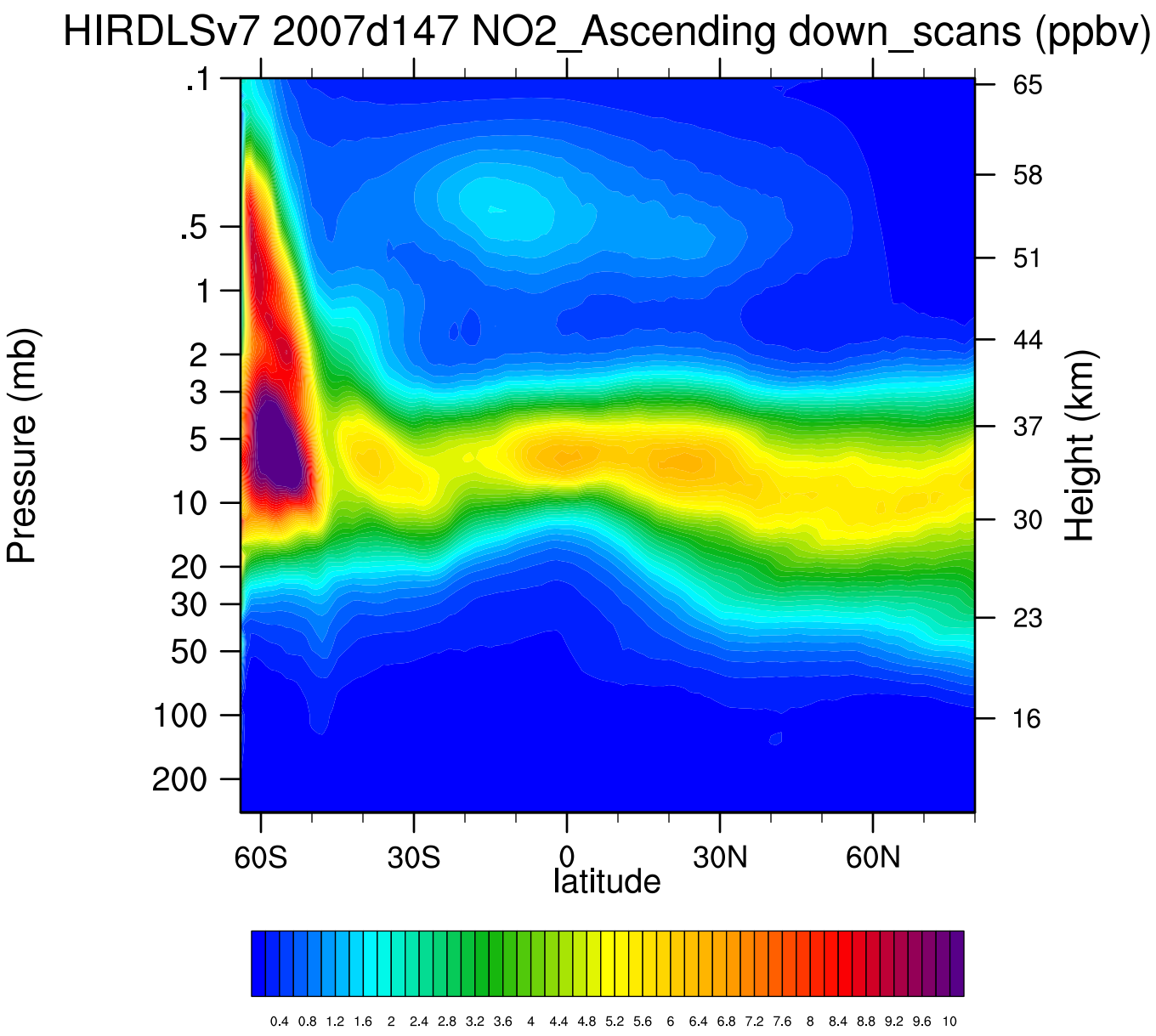

HIRDLSv7 2007d142 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

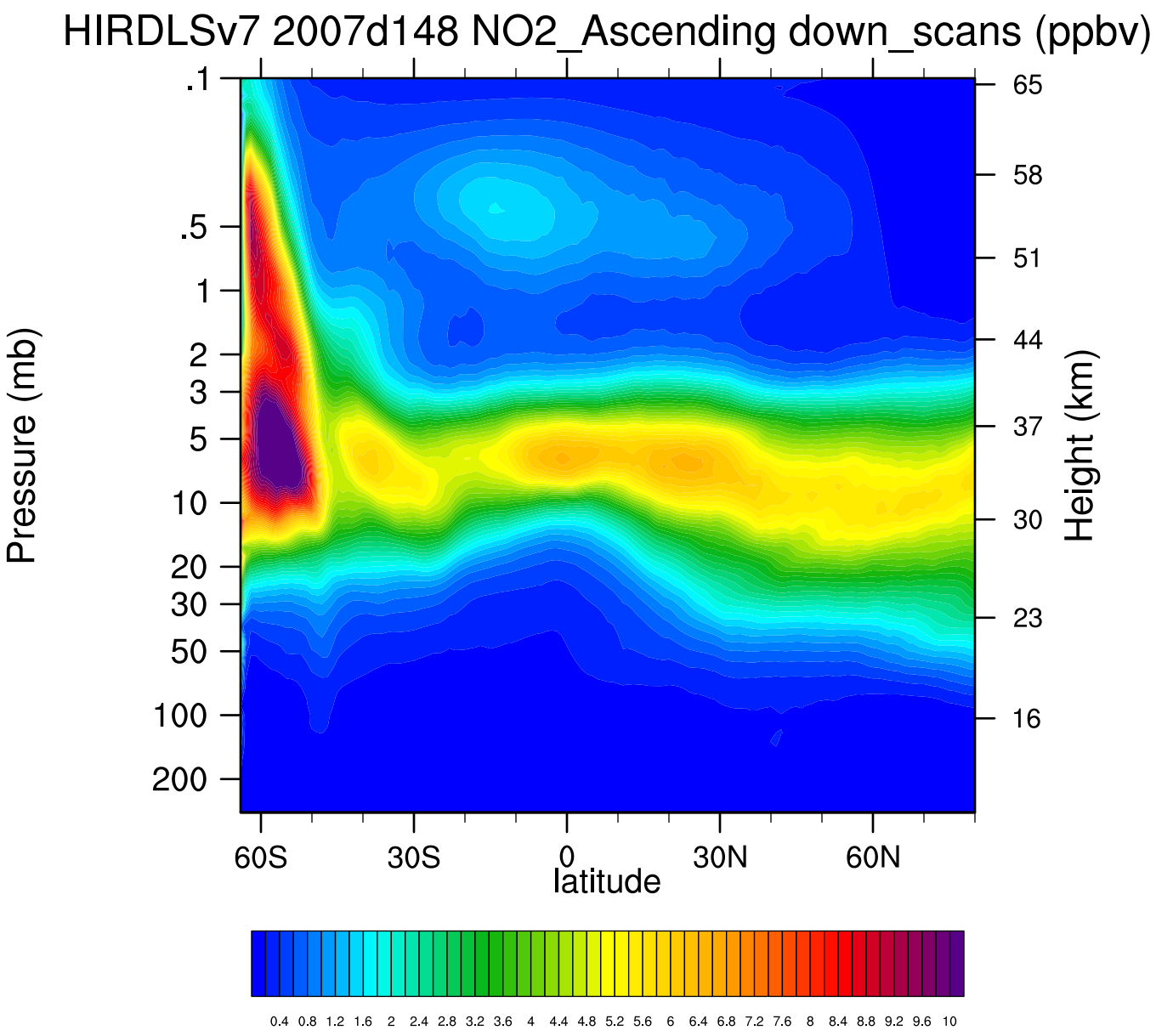

HIRDLSv7 2007d143 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

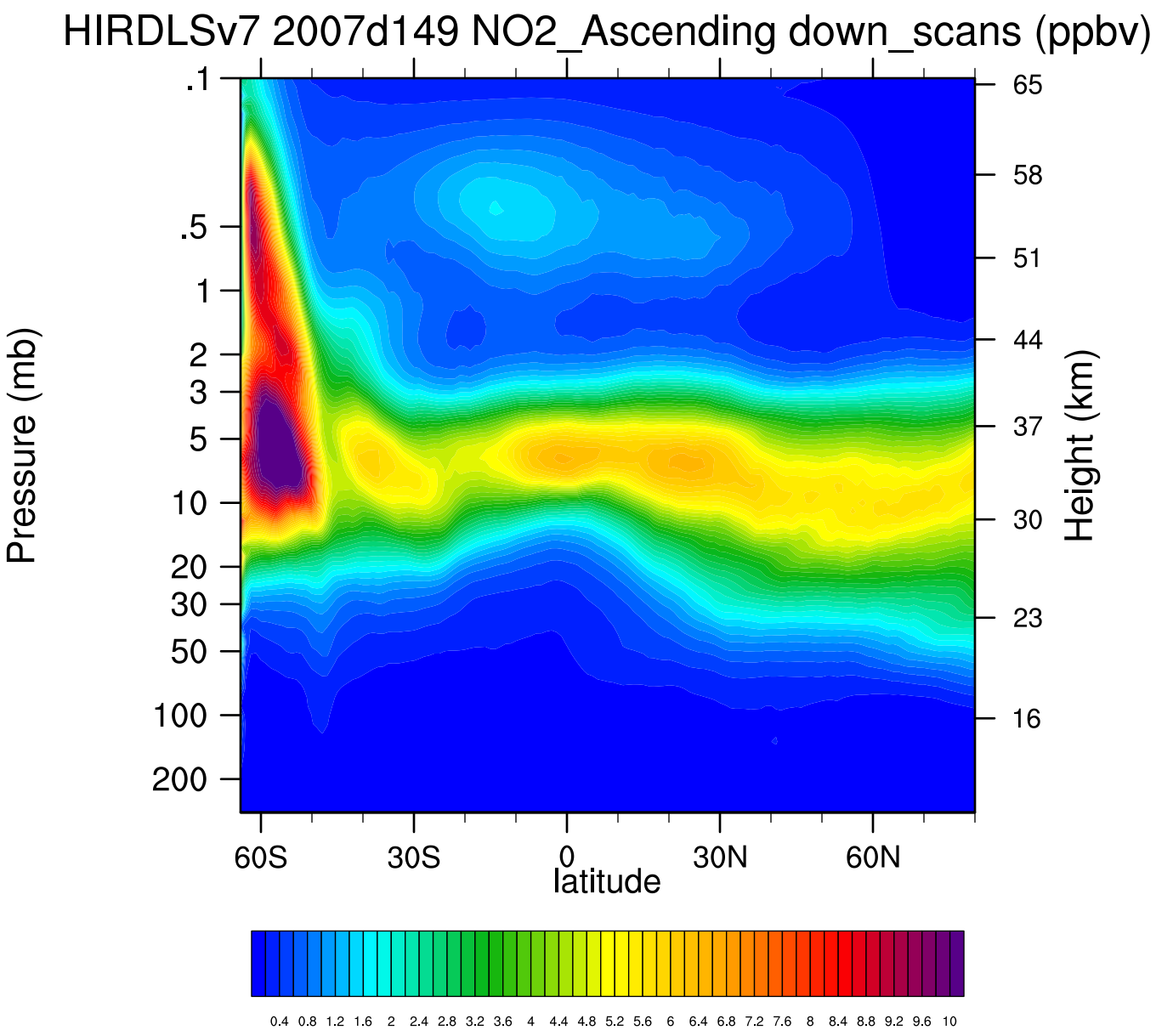

HIRDLSv7 2007d144 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

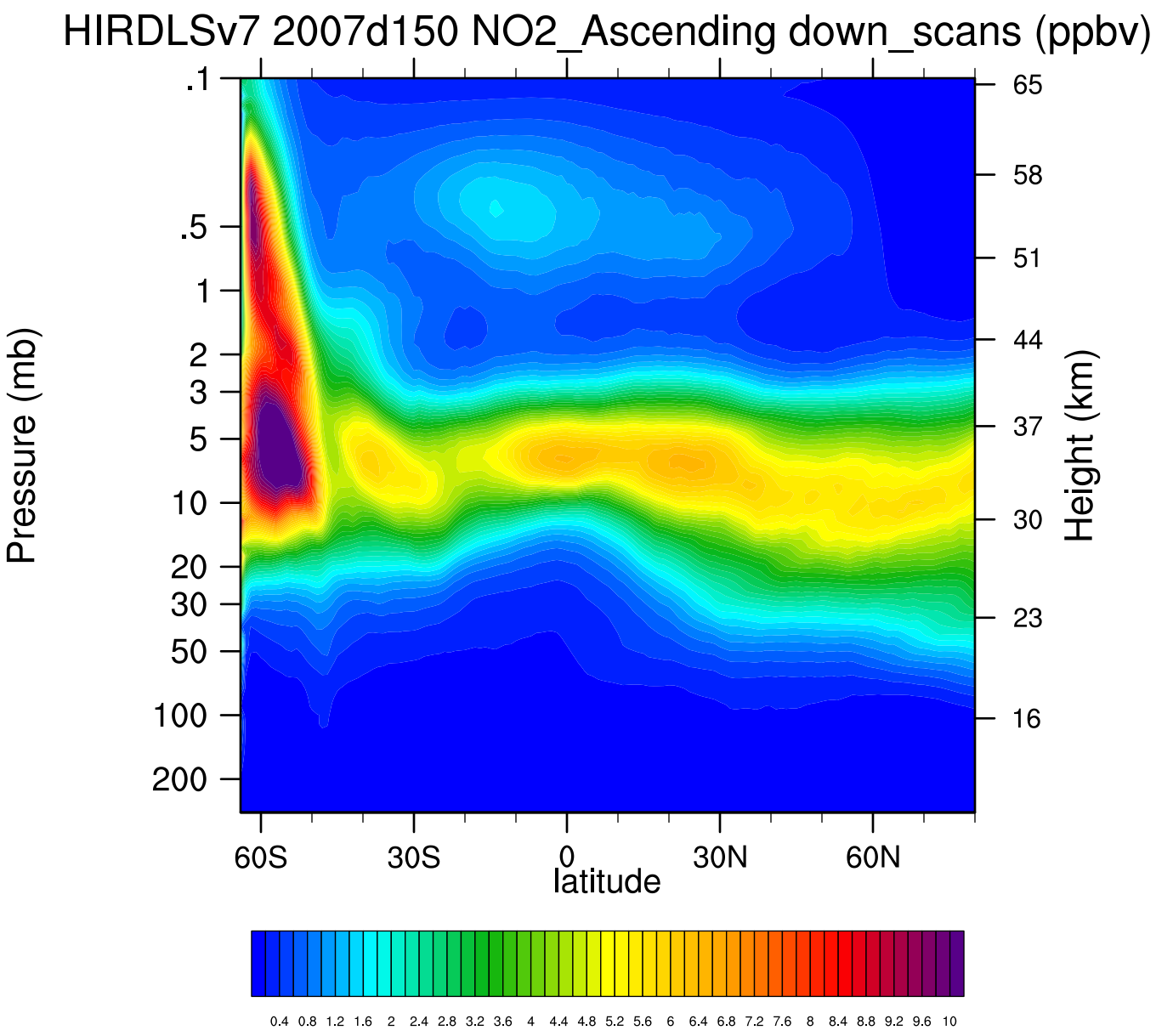

HIRDLSv7 2007d145 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

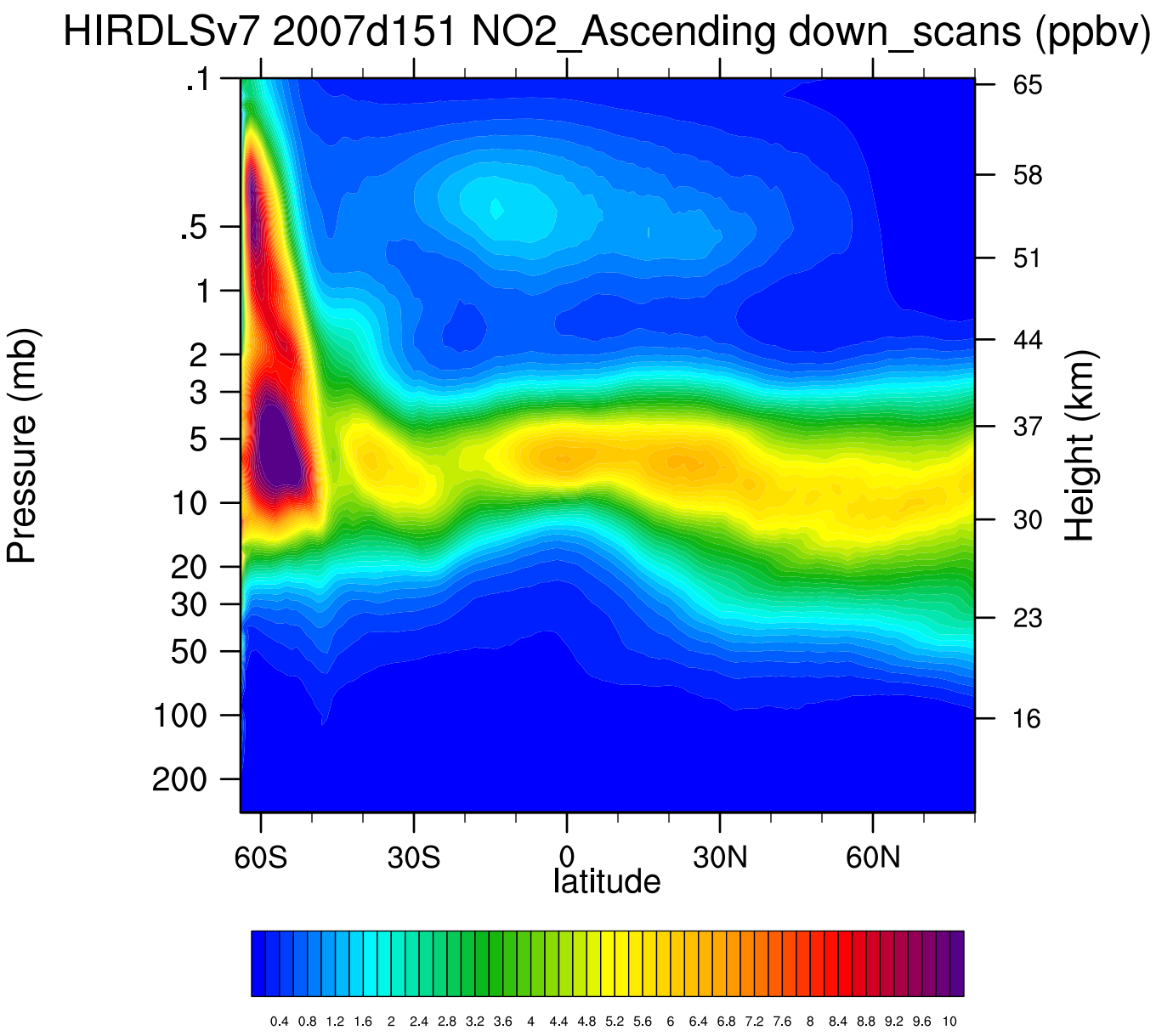

HIRDLSv7 2007d146 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

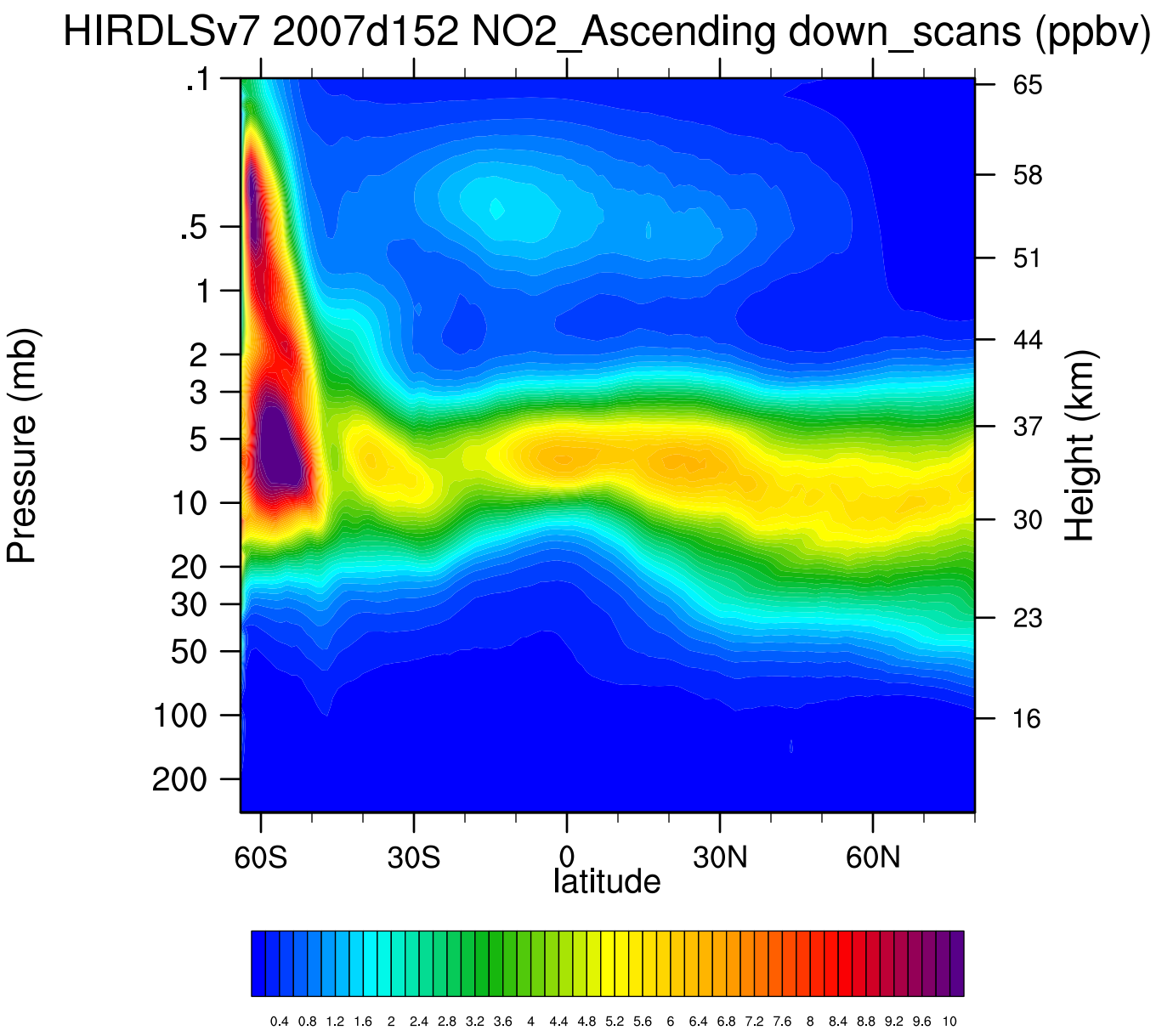

HIRDLSv7 2007d147 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

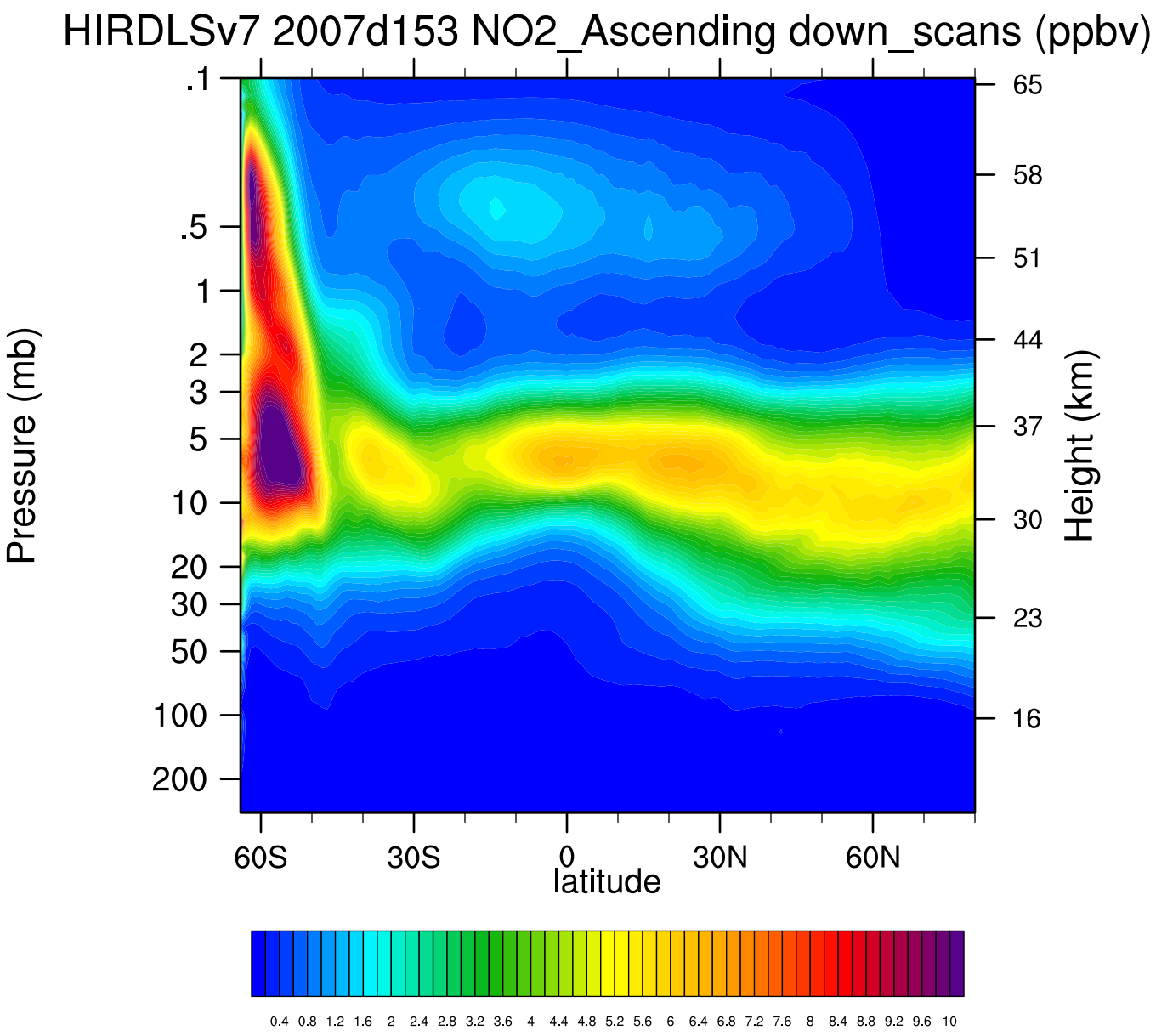

HIRDLSv7 2007d148 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

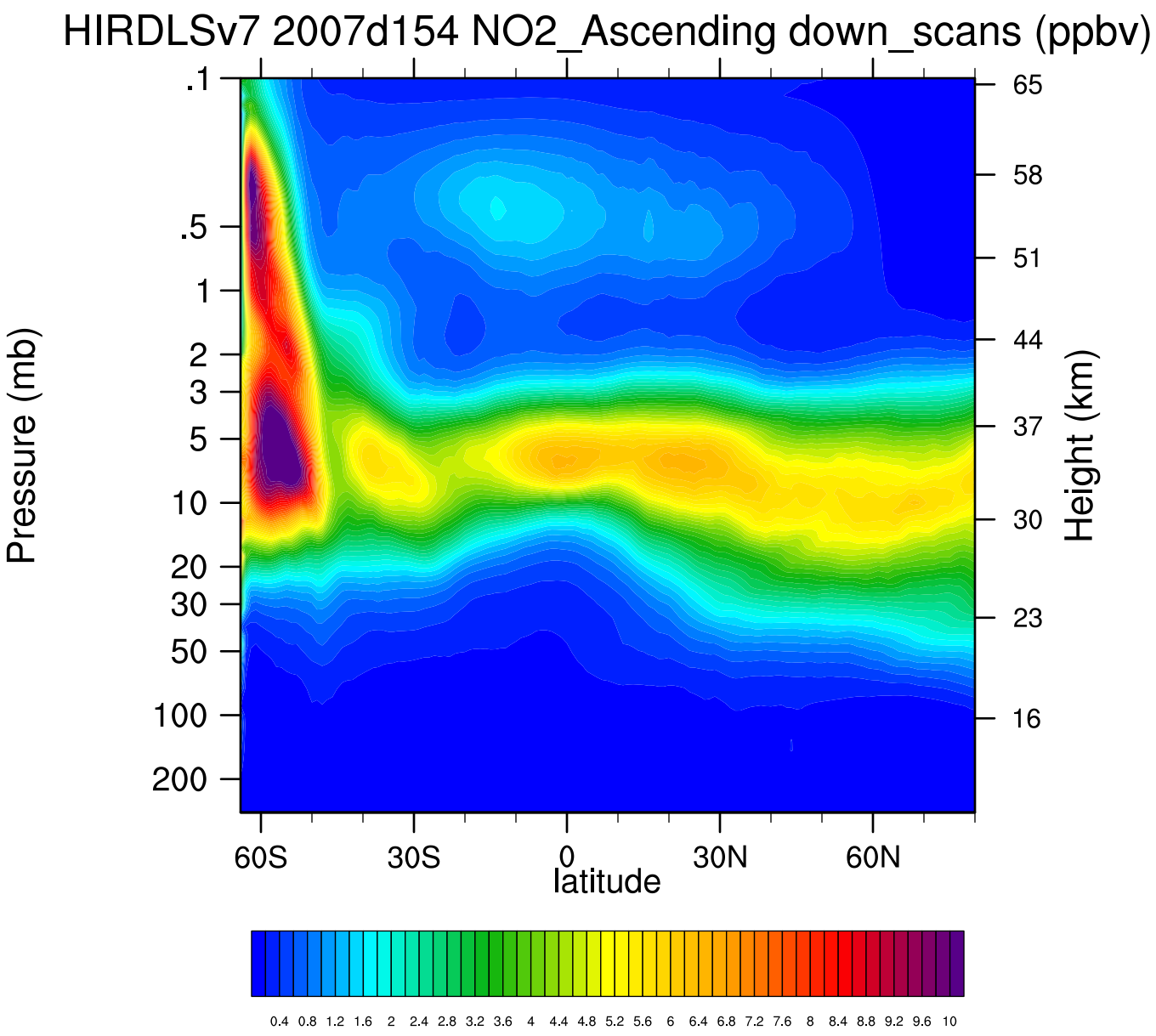

HIRDLSv7 2007d149 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

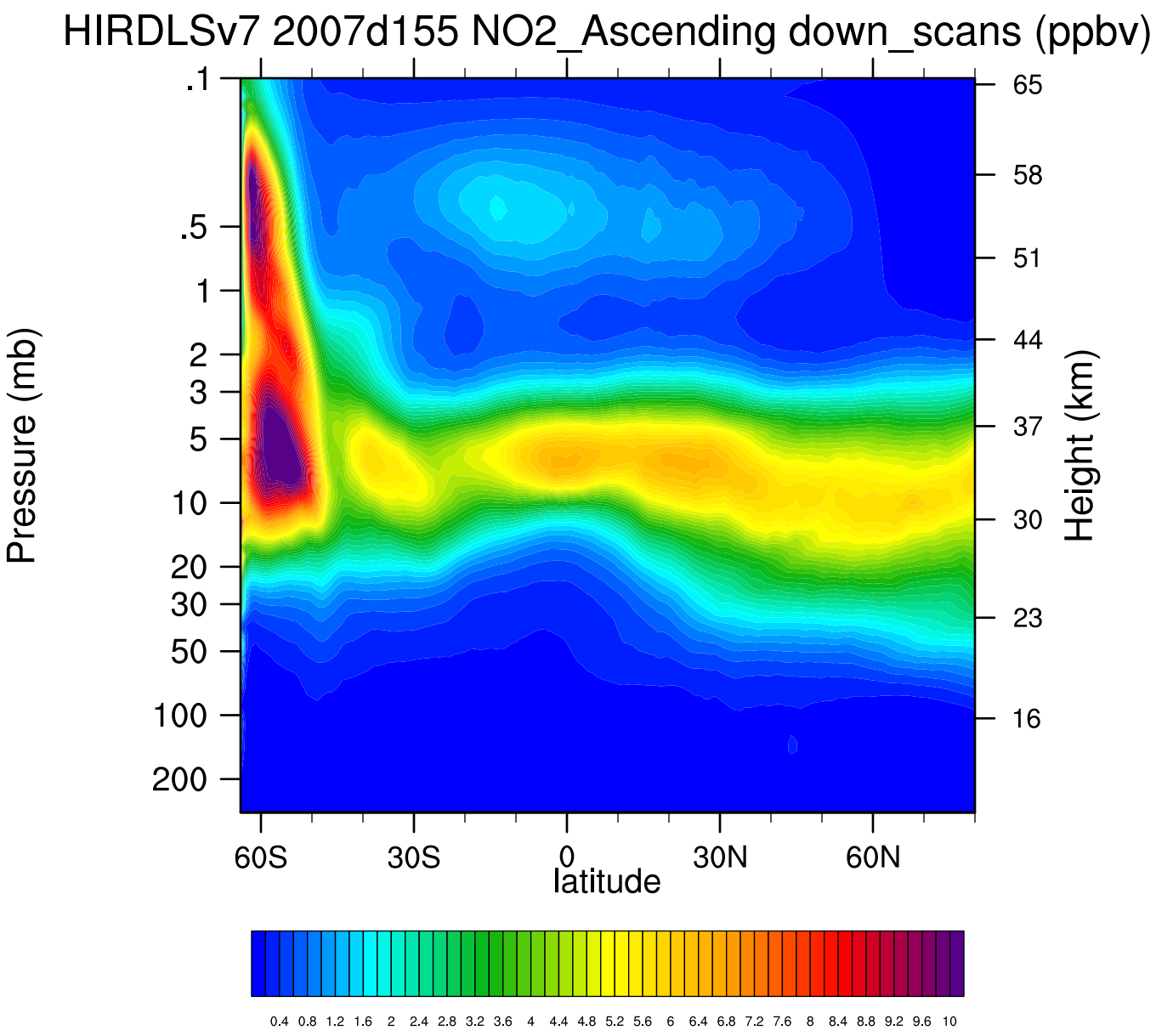

HIRDLSv7 2007d150 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

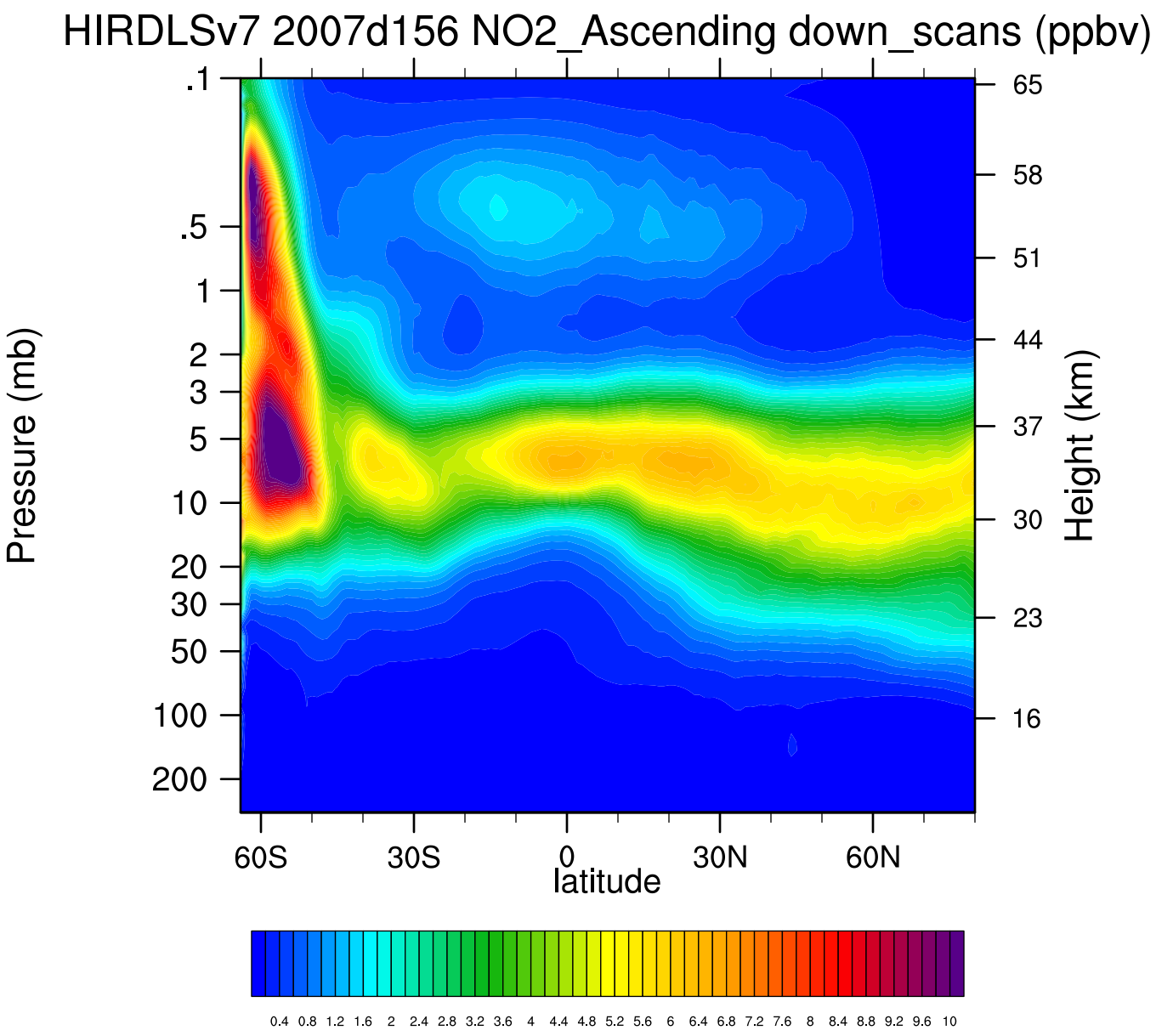

HIRDLSv7 2007d151 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

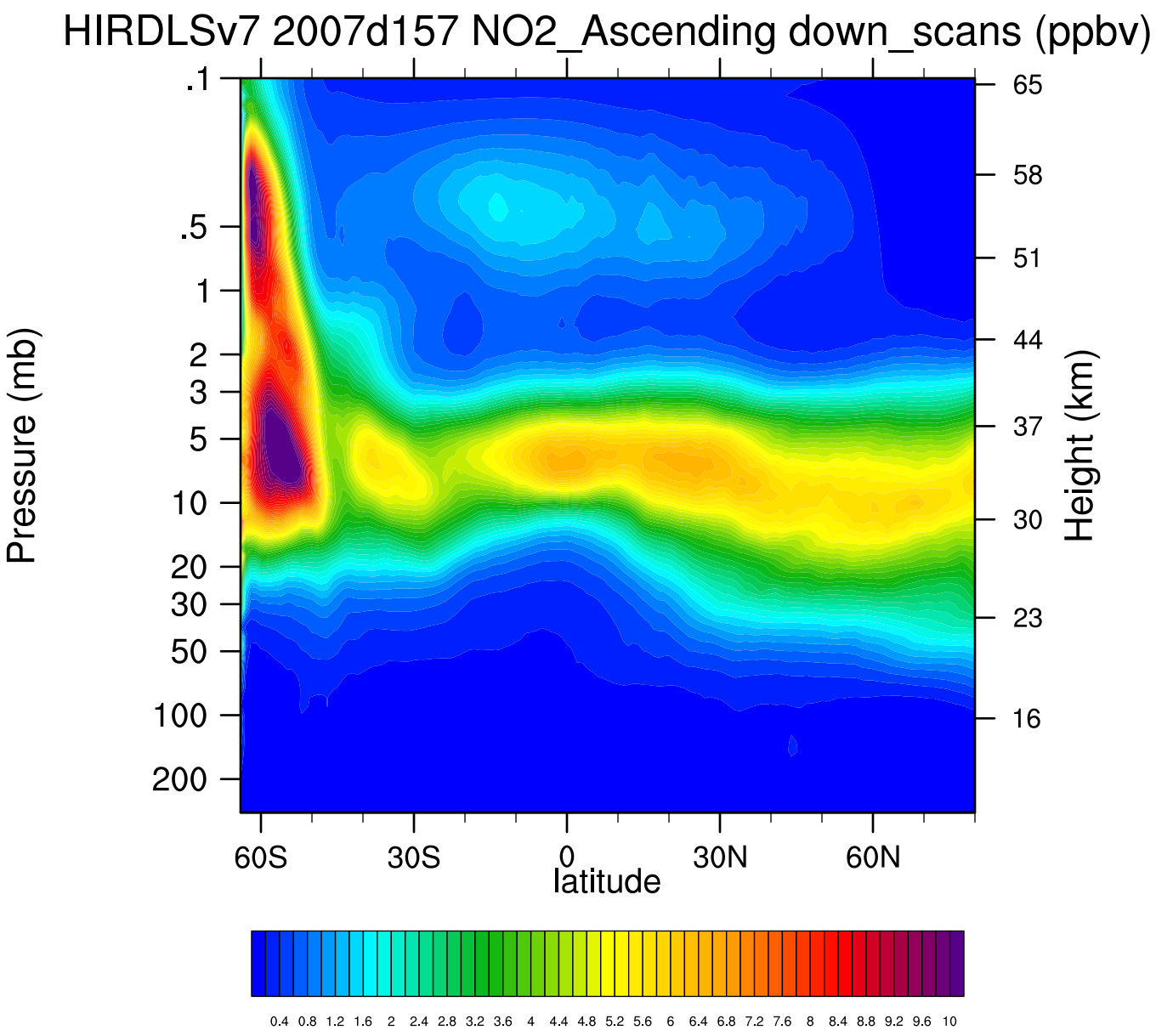

HIRDLSv7 2007d152 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

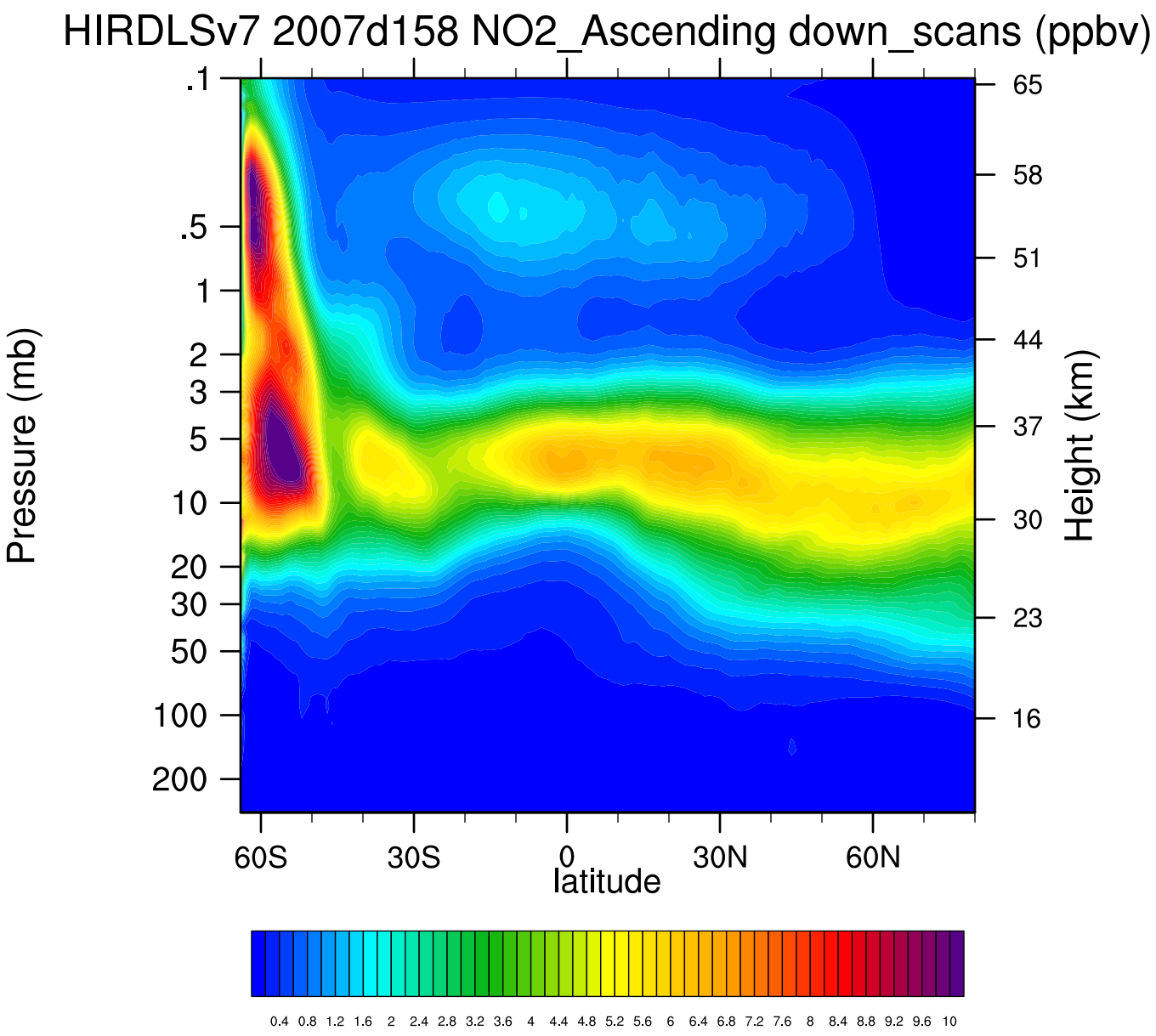

HIRDLSv7 2007d153 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

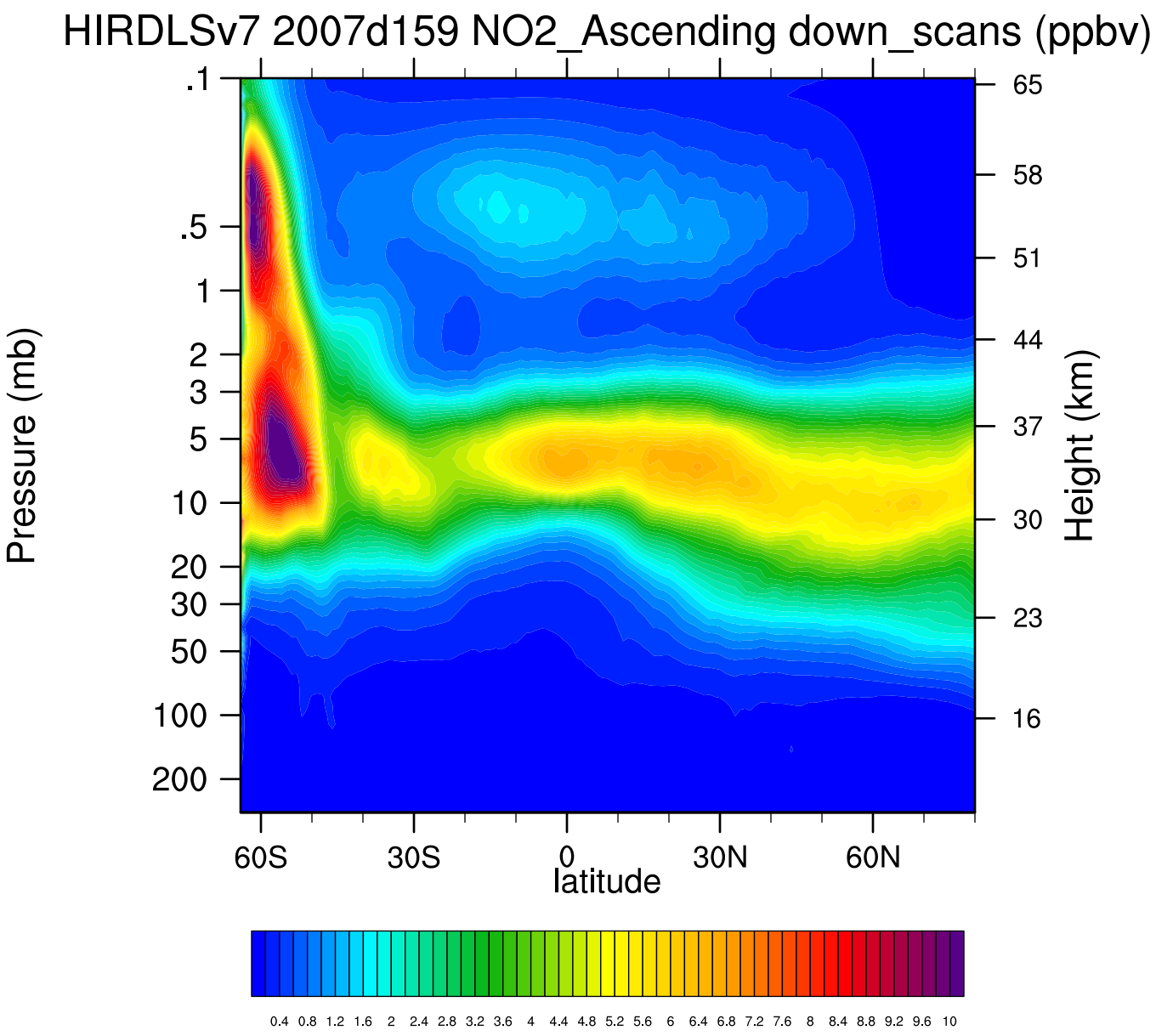

HIRDLSv7 2007d154 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

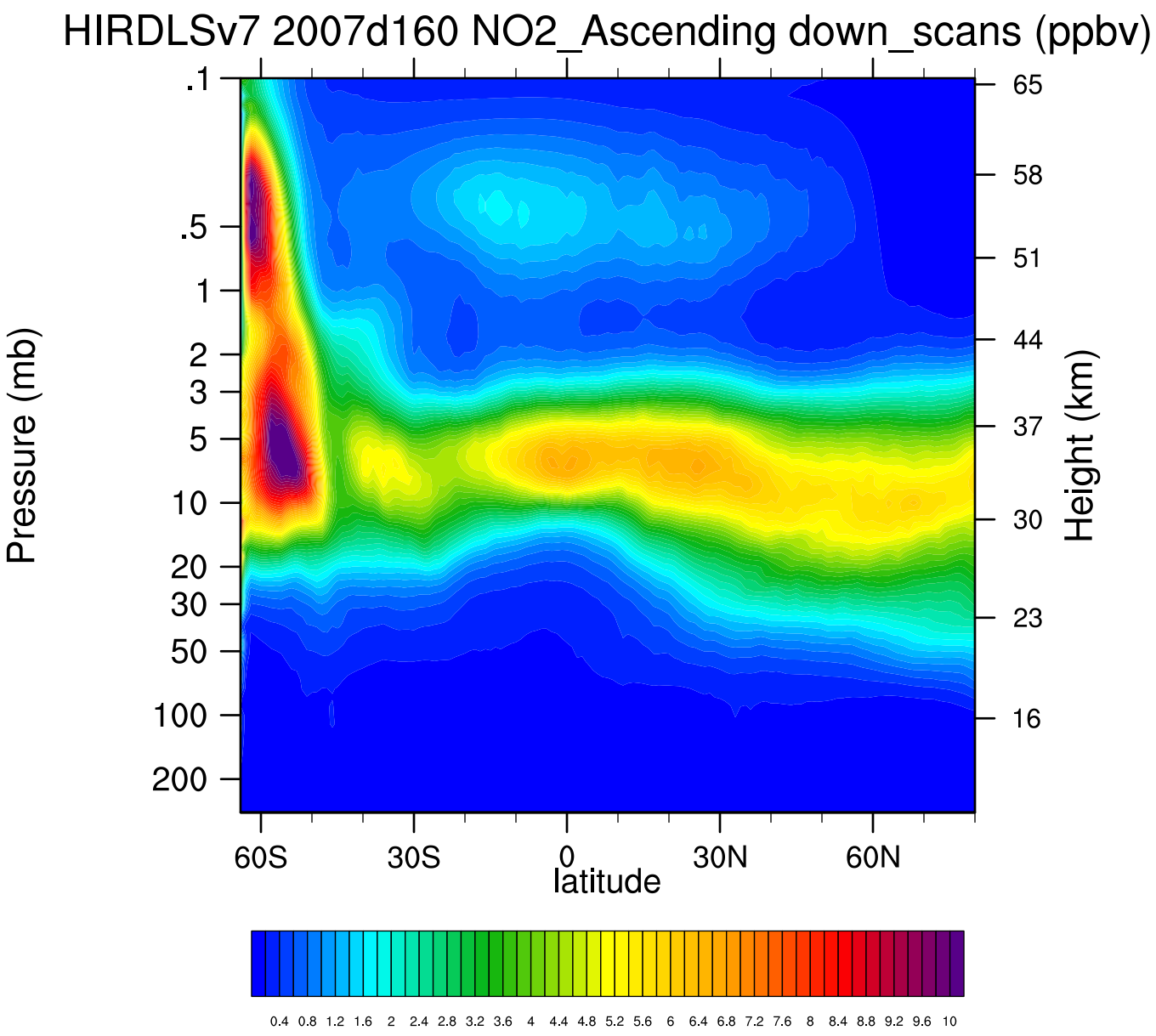

HIRDLSv7 2007d155 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

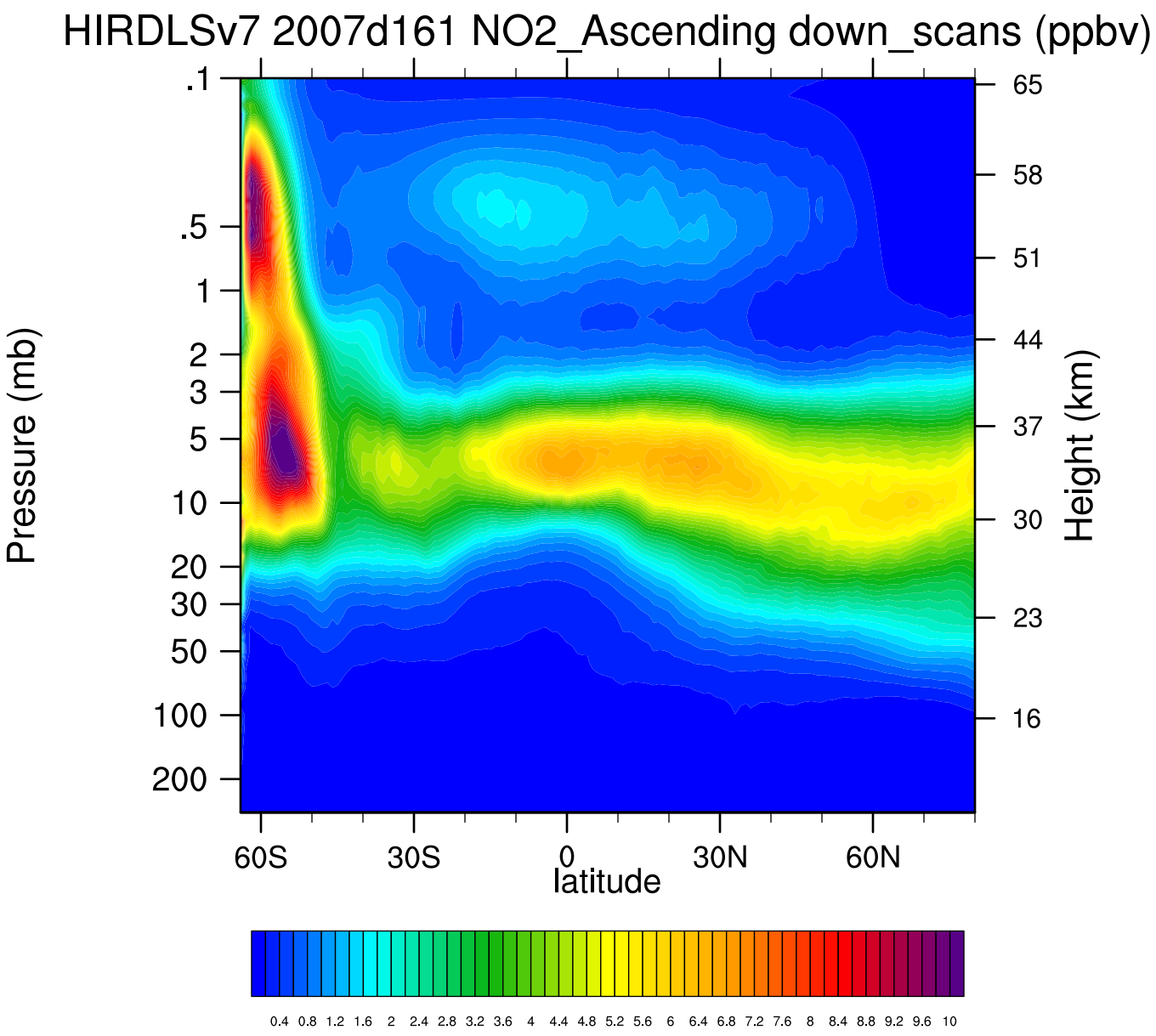

HIRDLSv7 2007d156 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

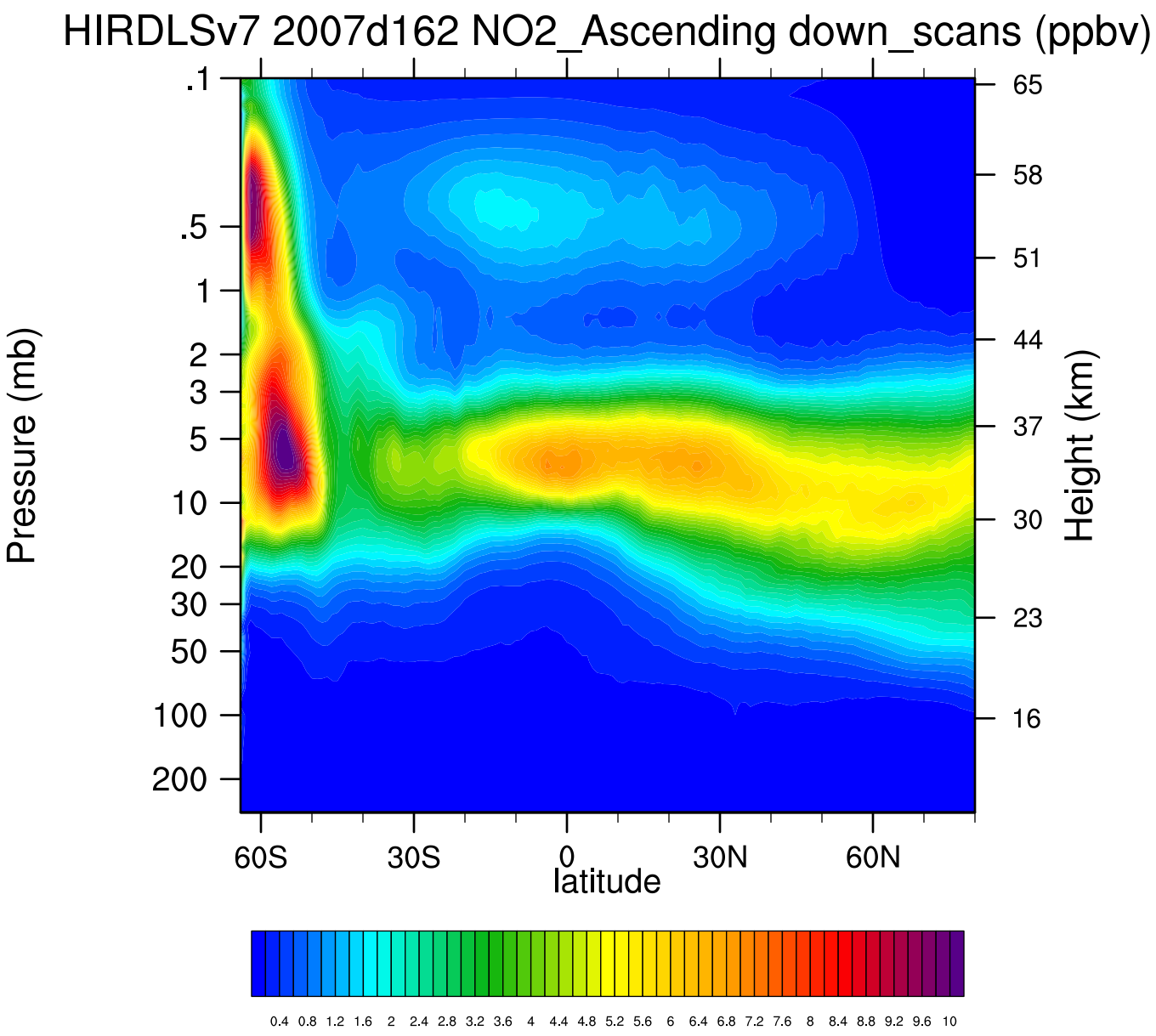

HIRDLSv7 2007d157 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

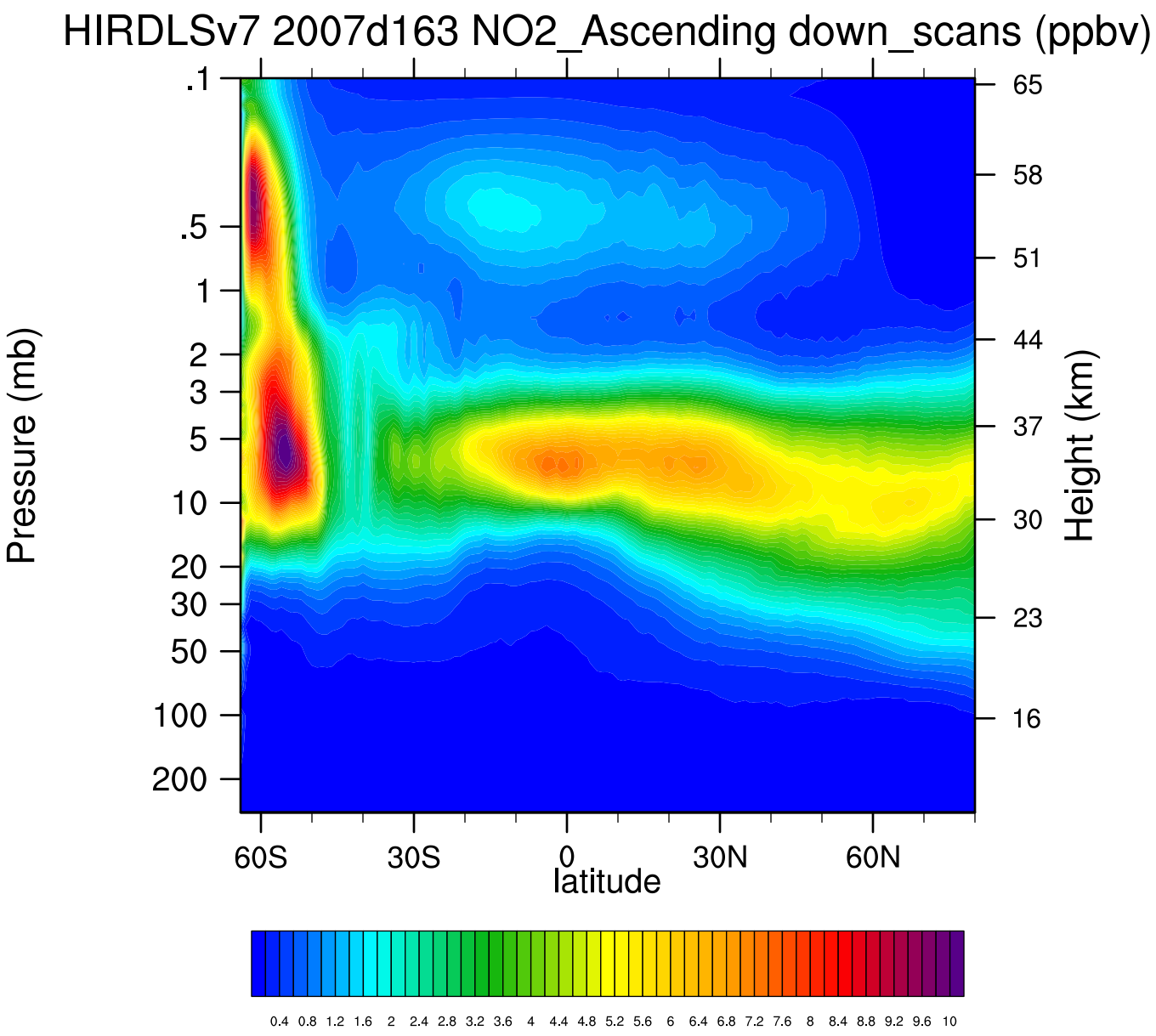

HIRDLSv7 2007d158 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

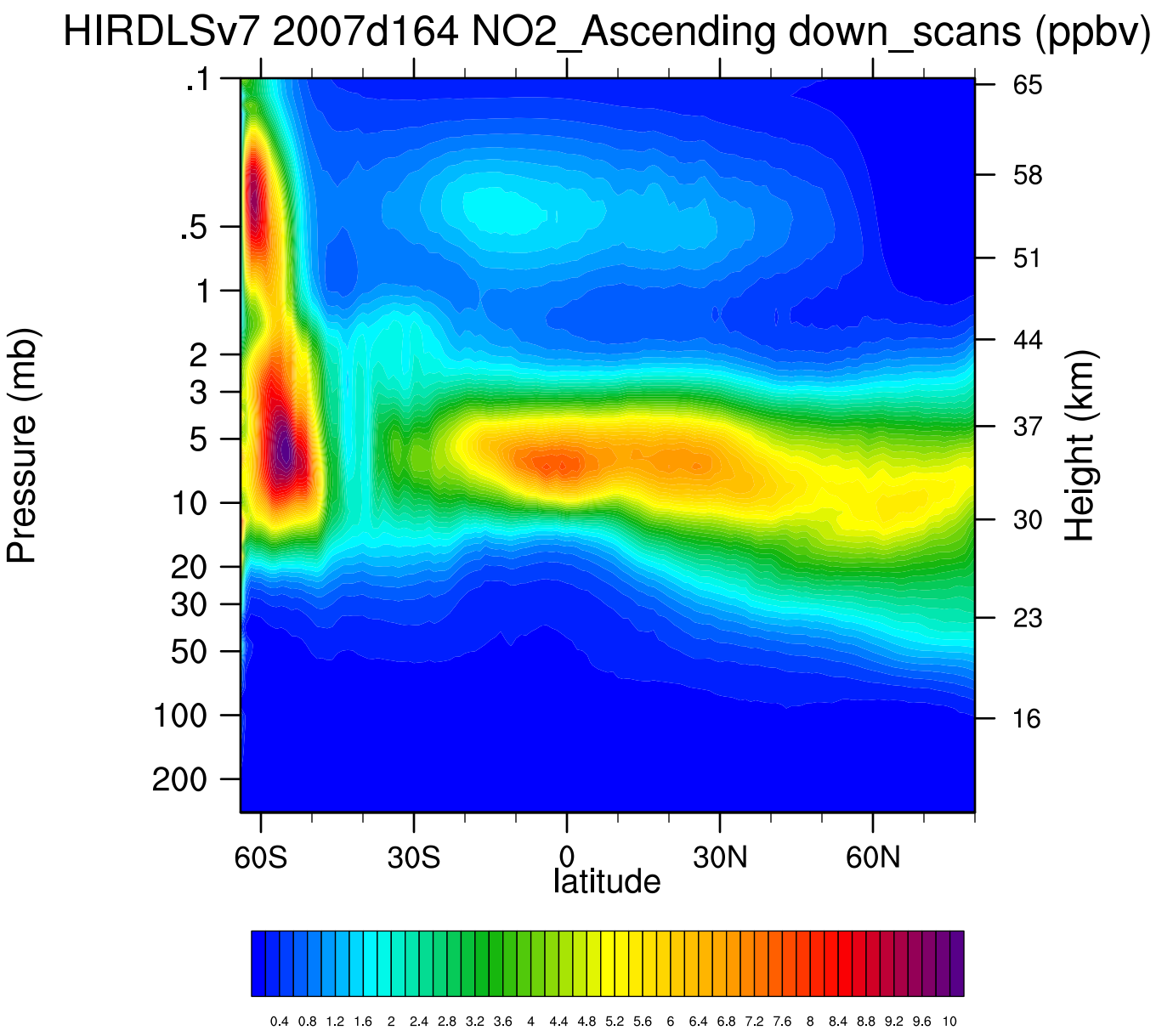

HIRDLSv7 2007d159 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

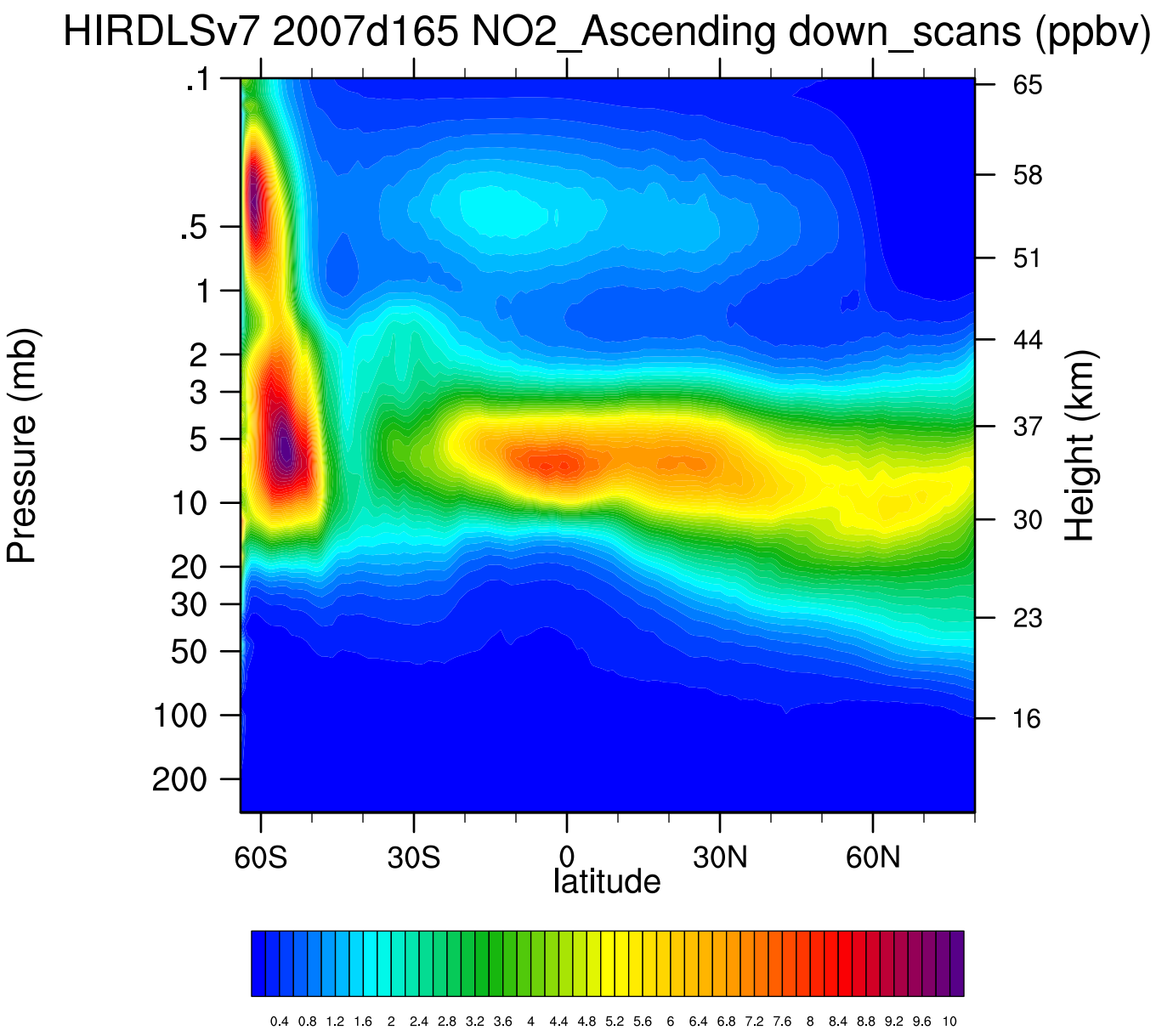

HIRDLSv7 2007d160 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

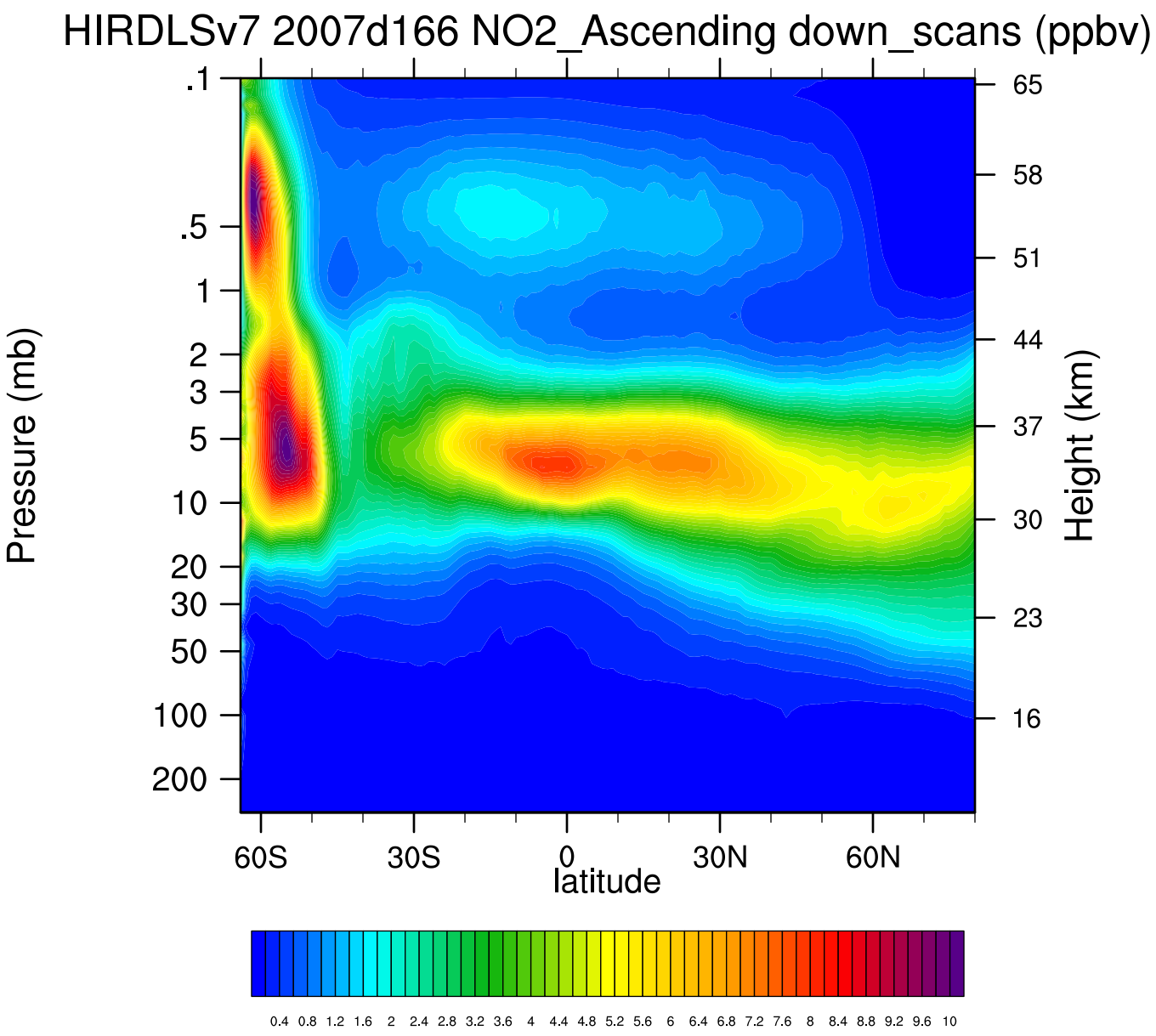

HIRDLSv7 2007d161 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

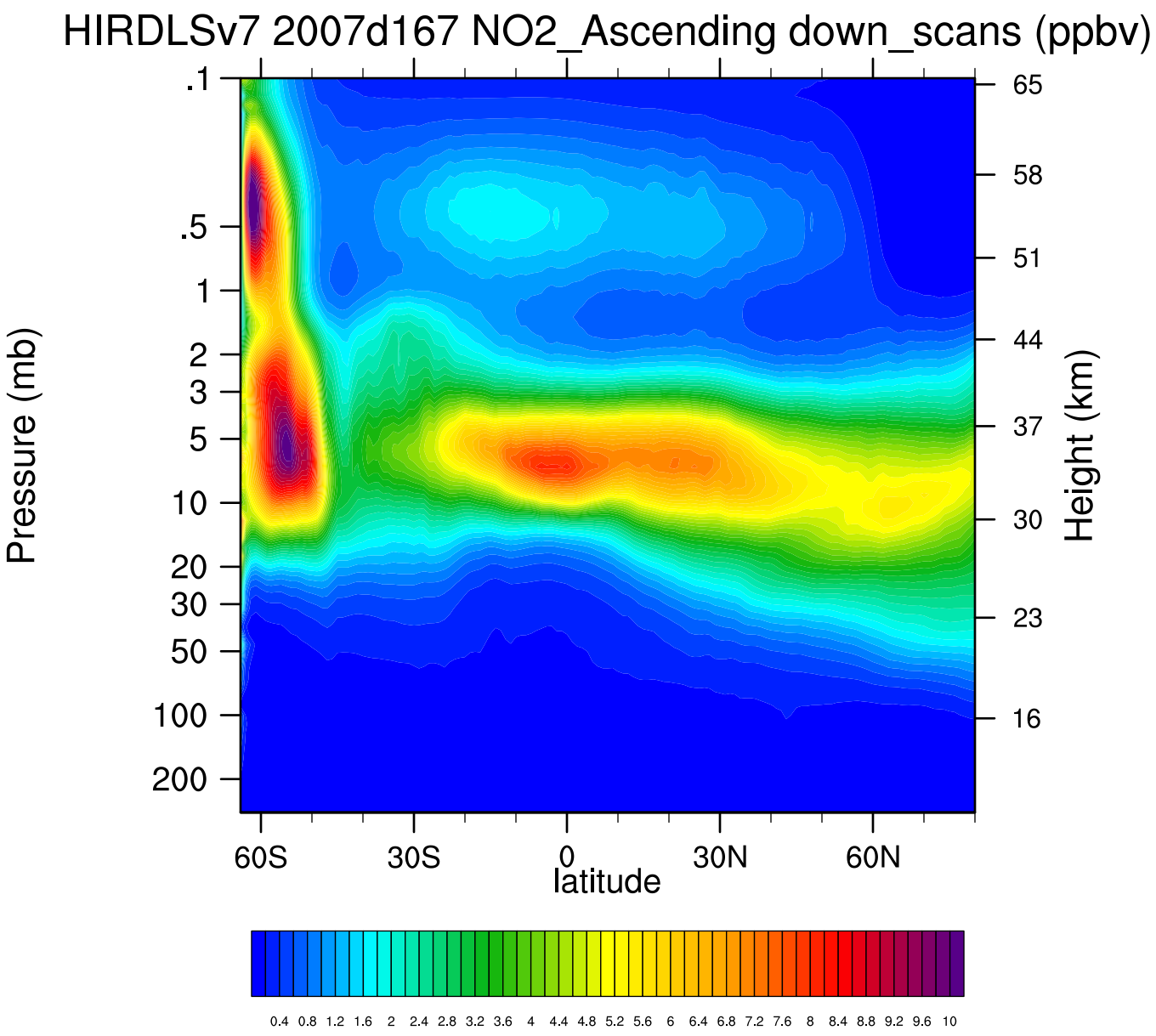

HIRDLSv7 2007d162 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

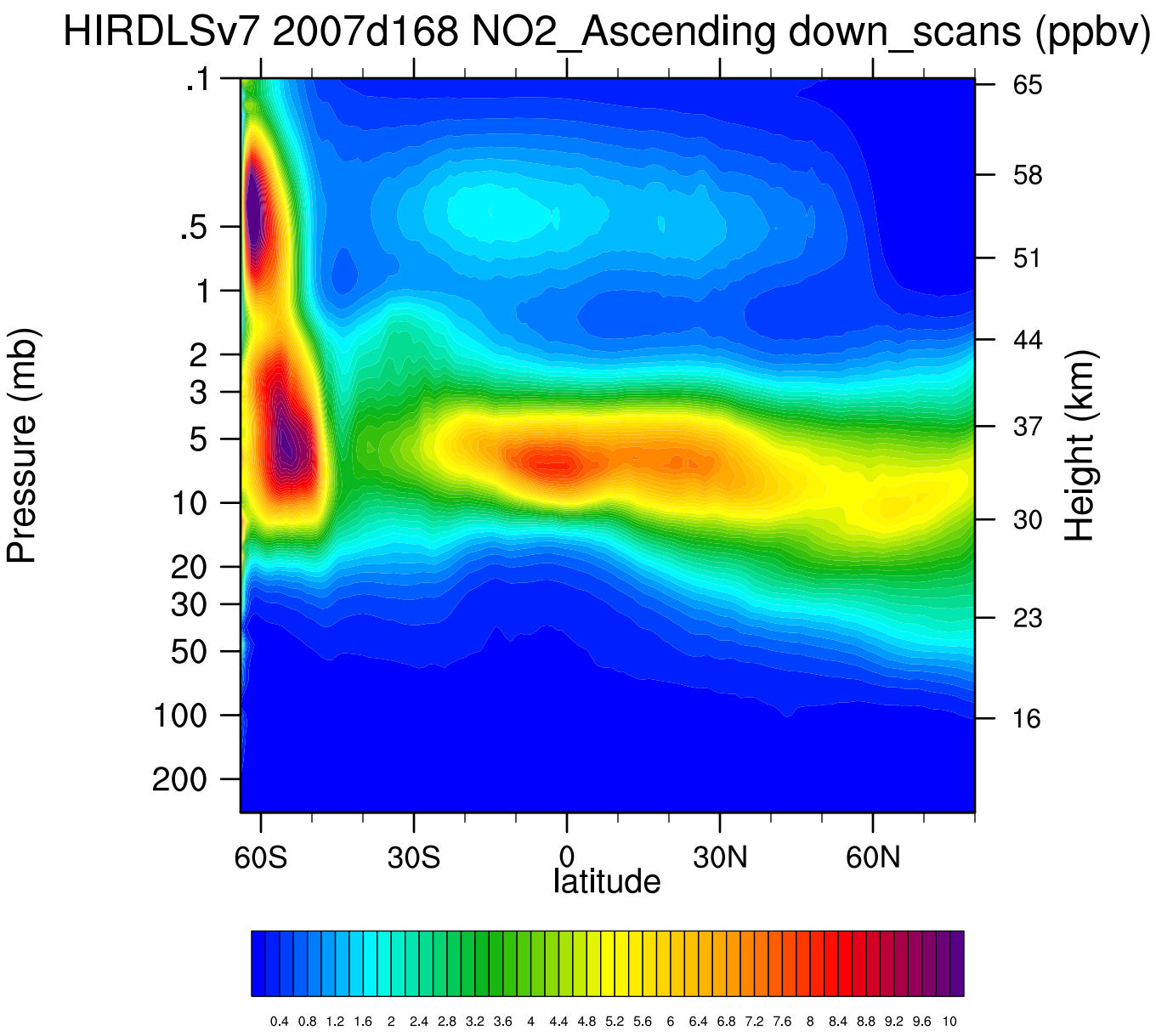

HIRDLSv7 2007d163 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

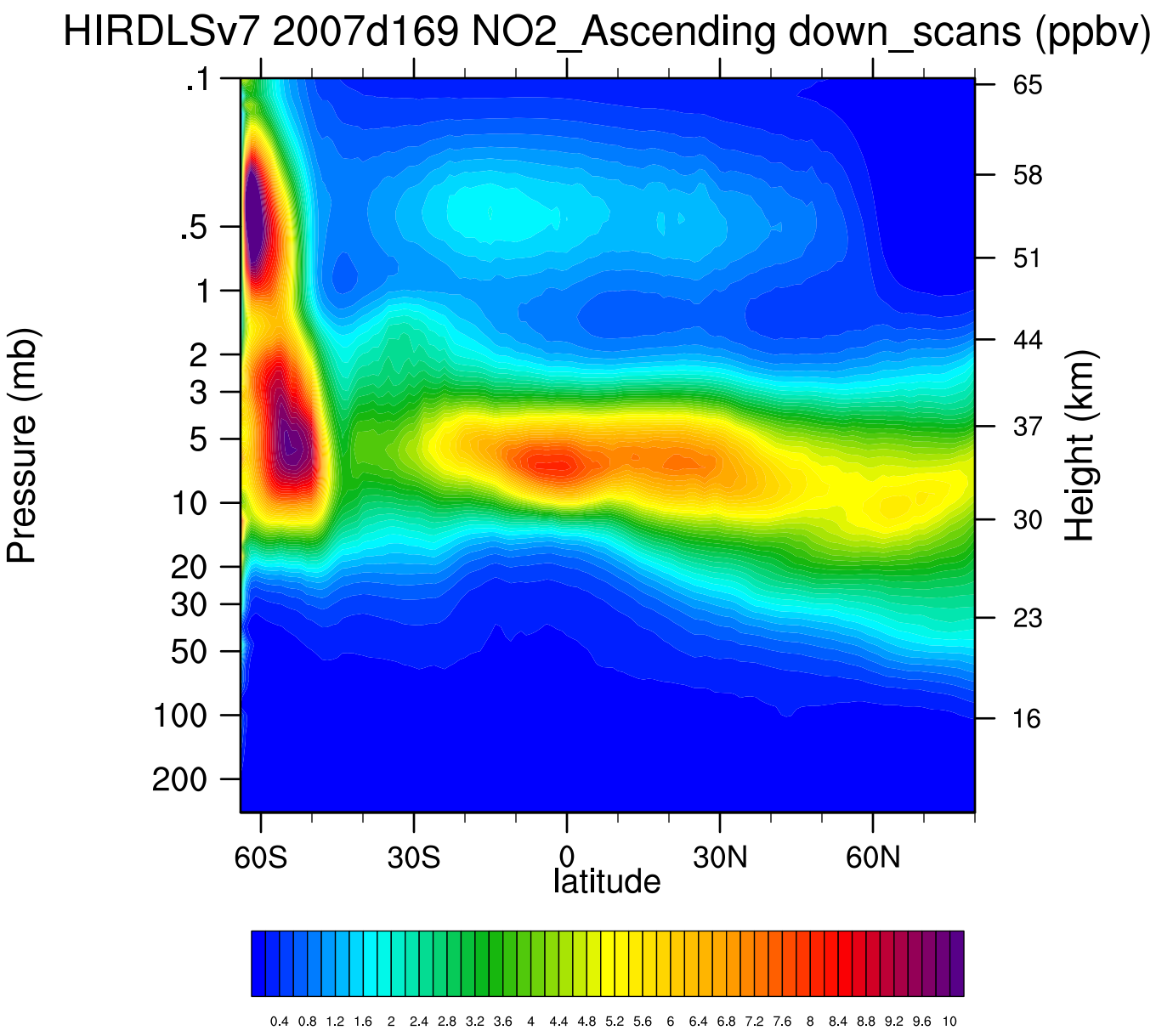

HIRDLSv7 2007d164 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

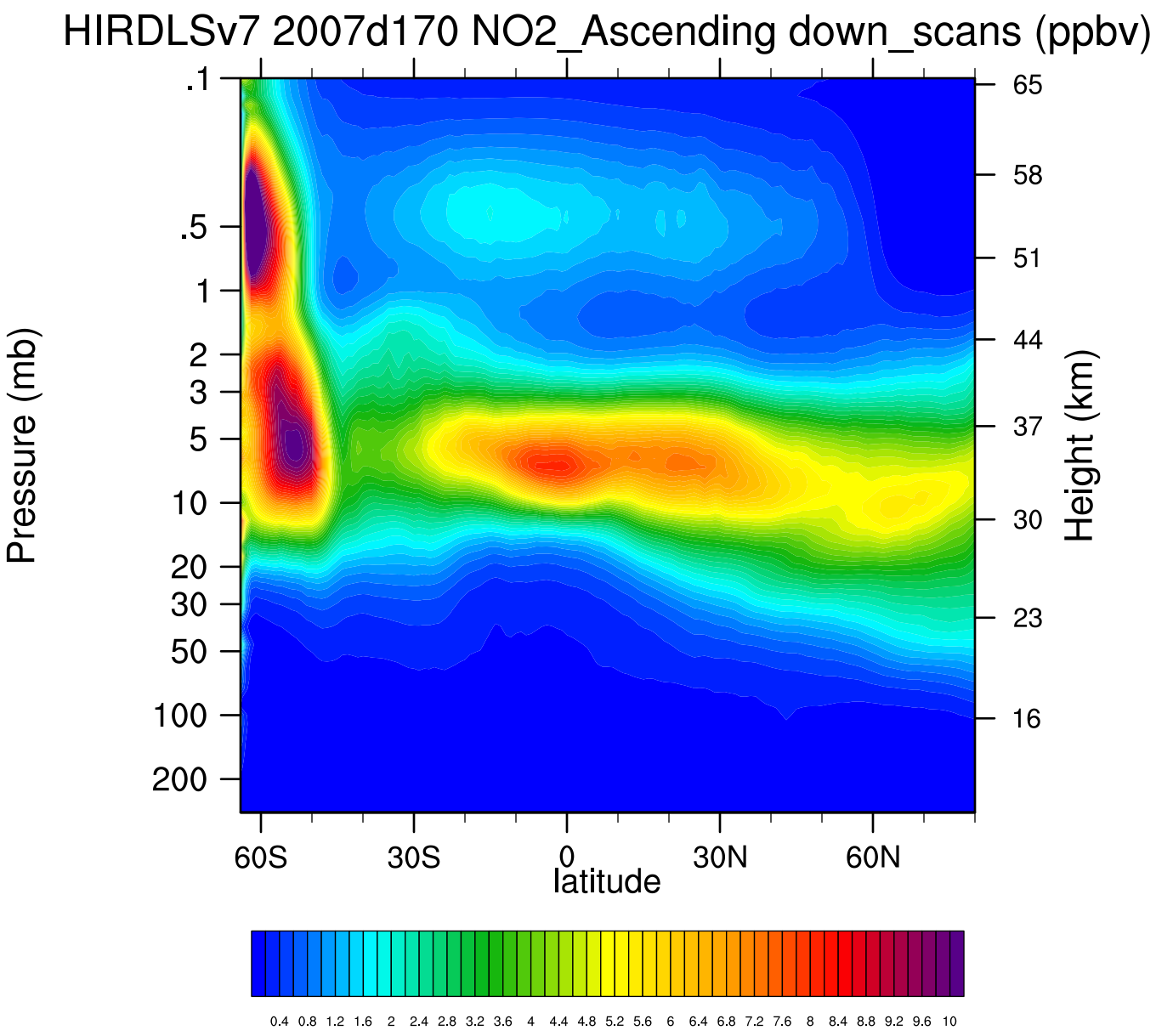

HIRDLSv7 2007d165 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

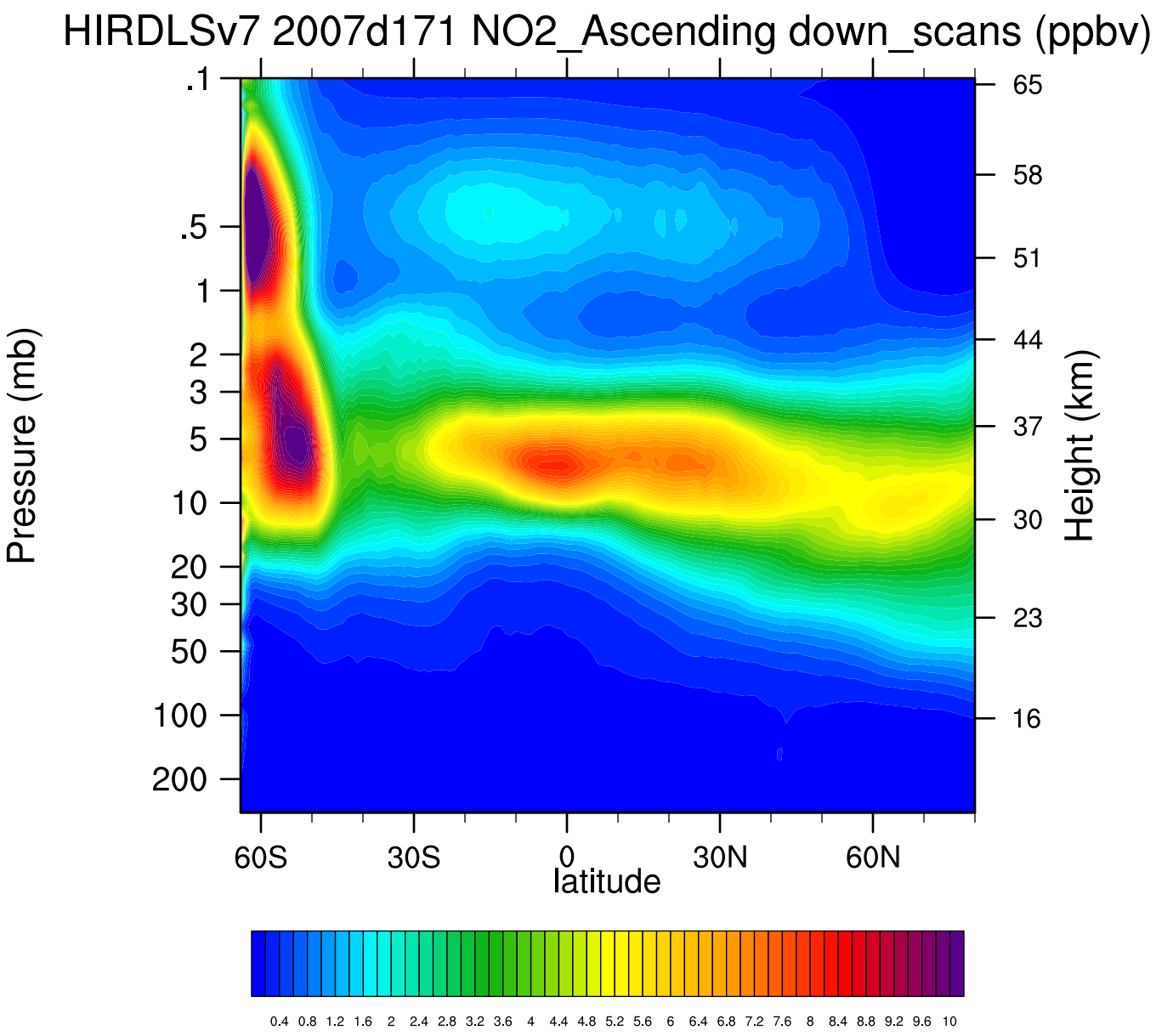

HIRDLSv7 2007d166 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

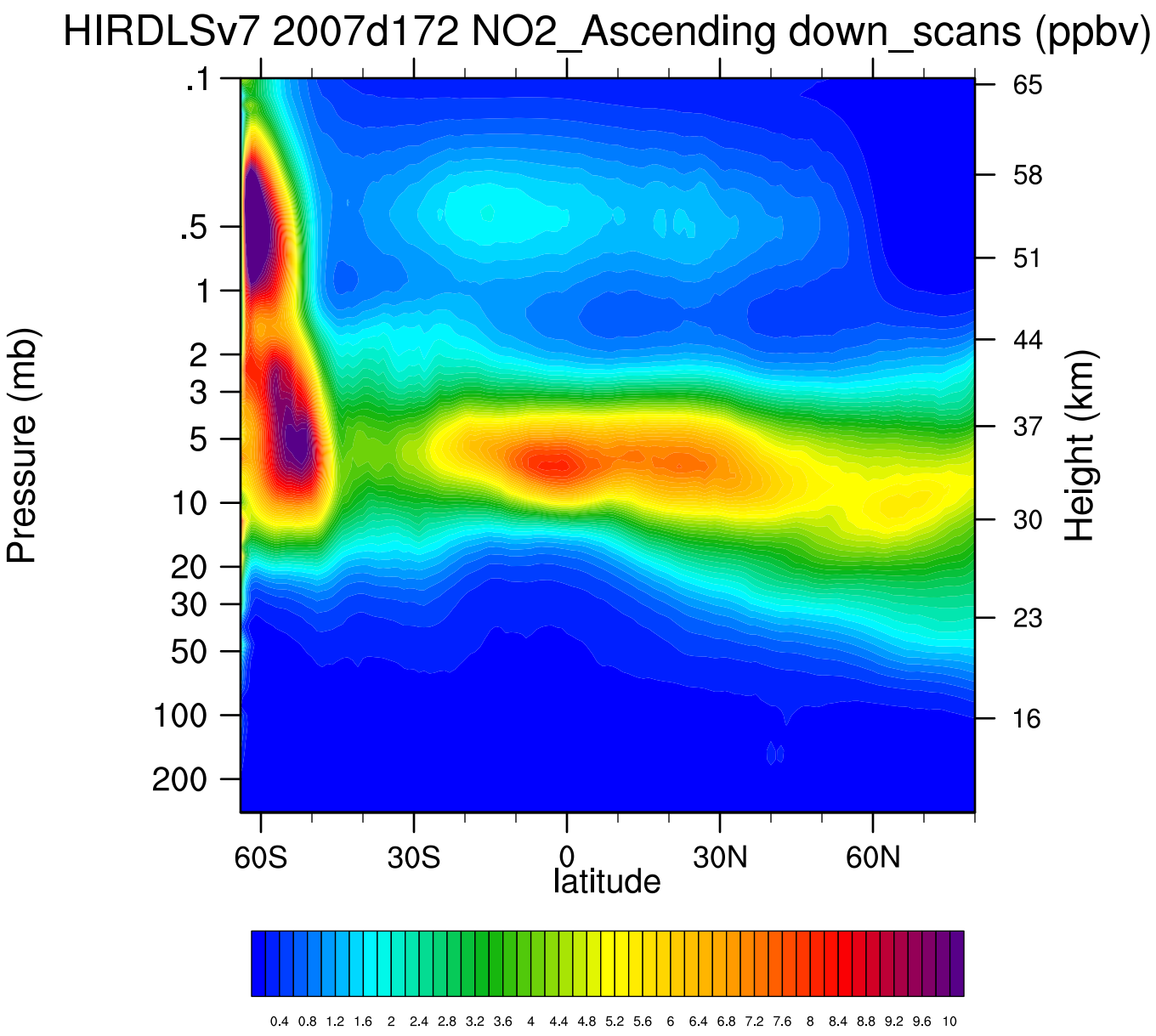

HIRDLSv7 2007d167 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

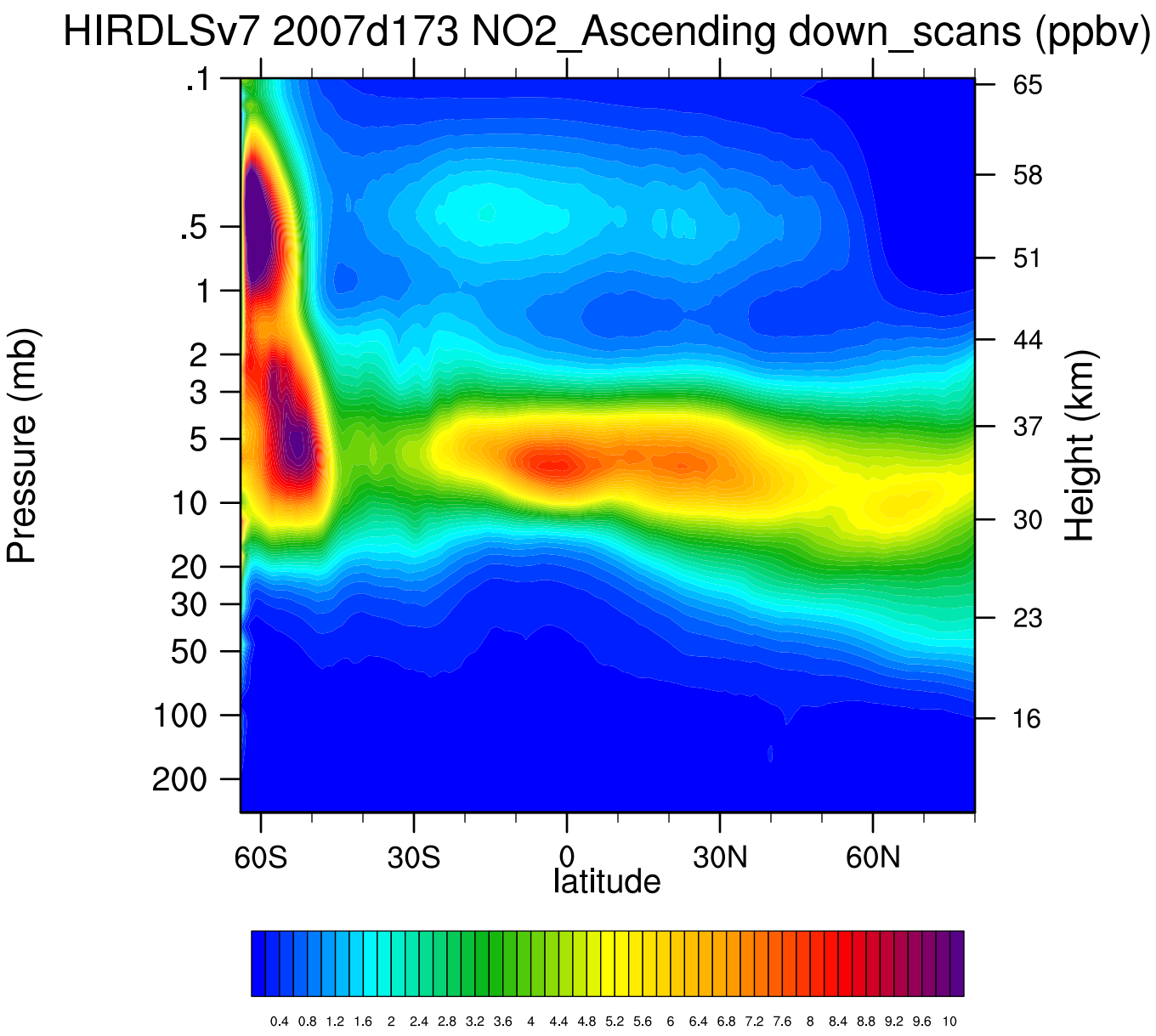

HIRDLSv7 2007d168 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d169 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d170 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d171 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d172 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d173 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
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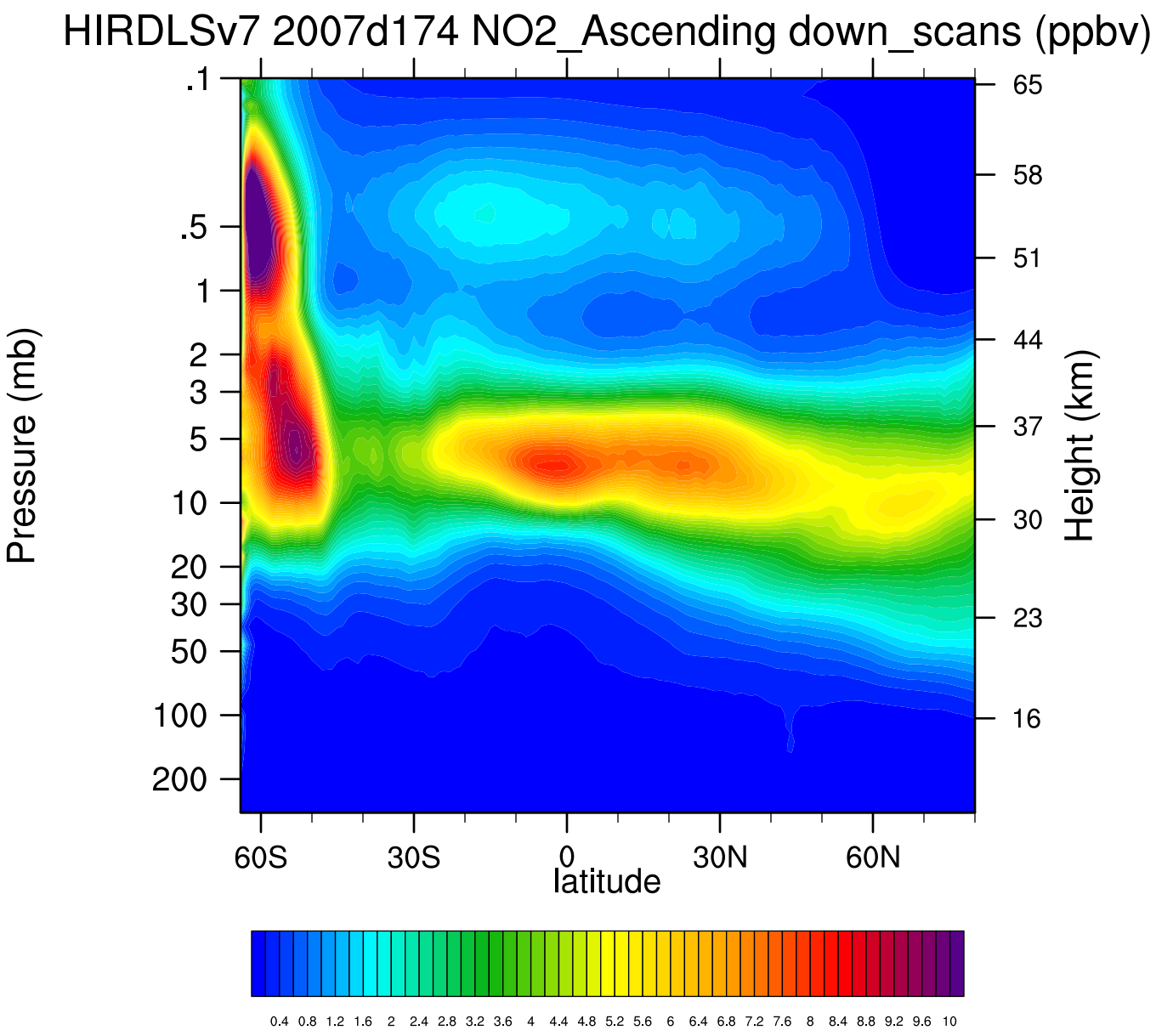
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d174 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
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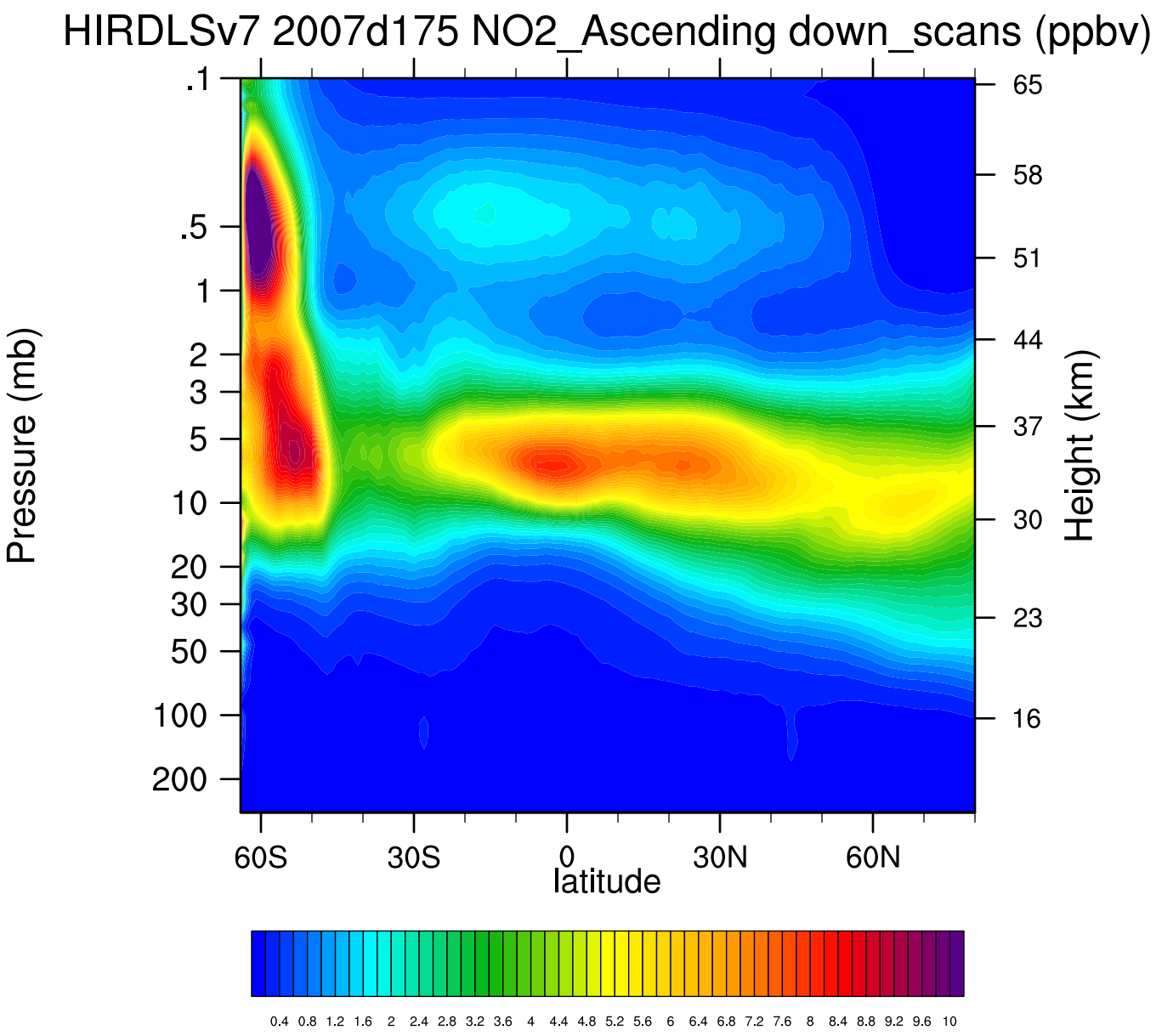
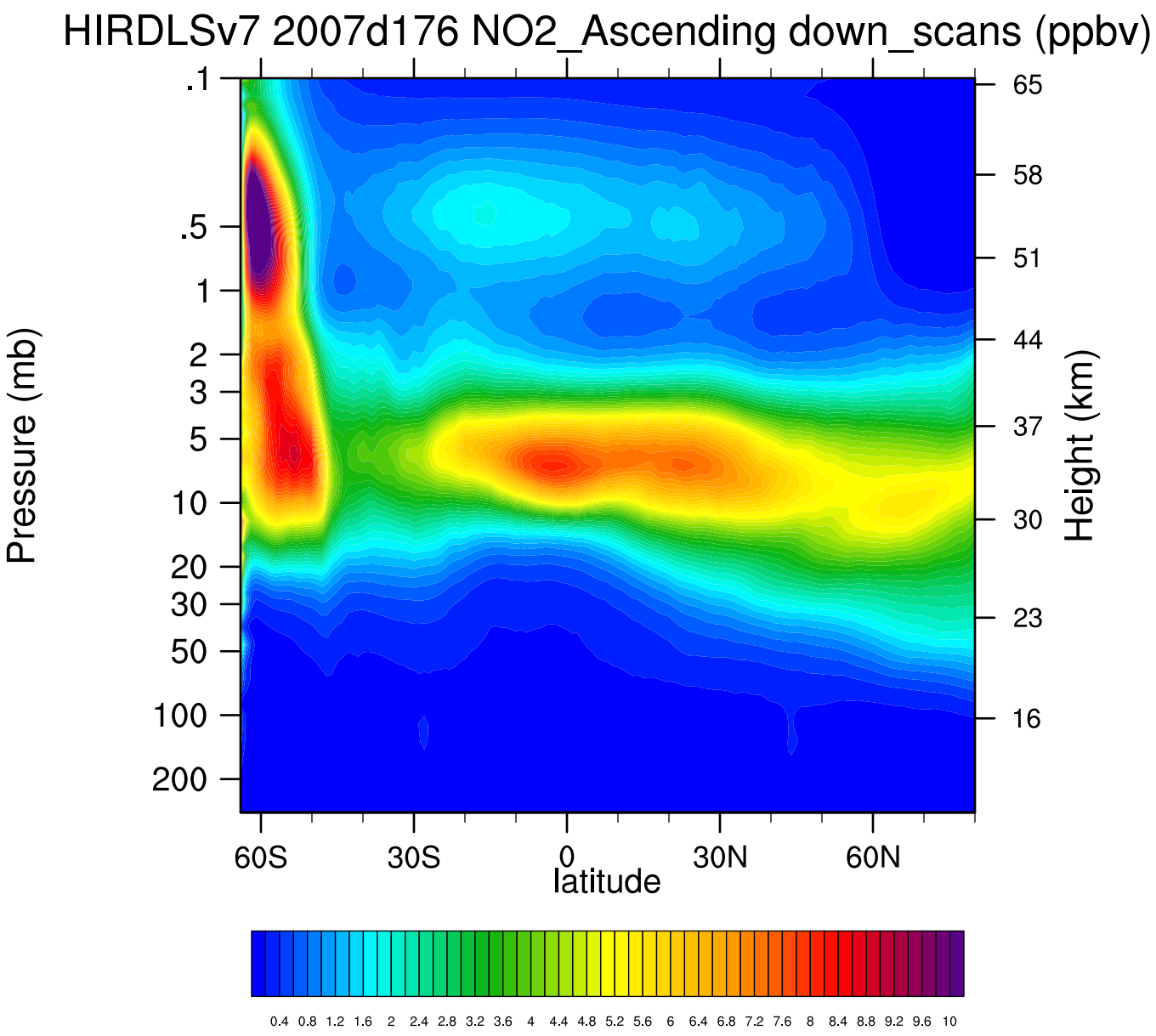
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d175 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d176 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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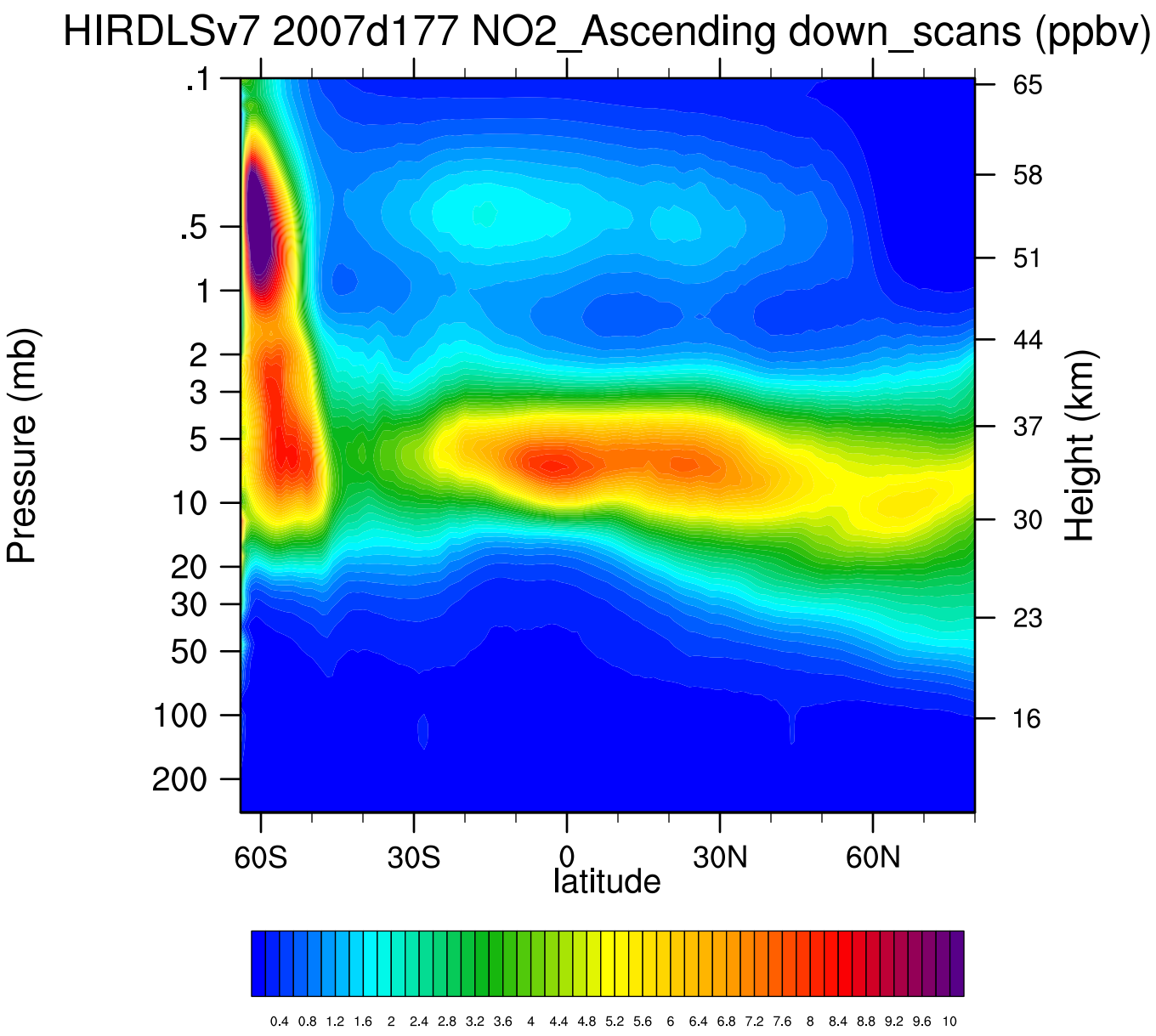
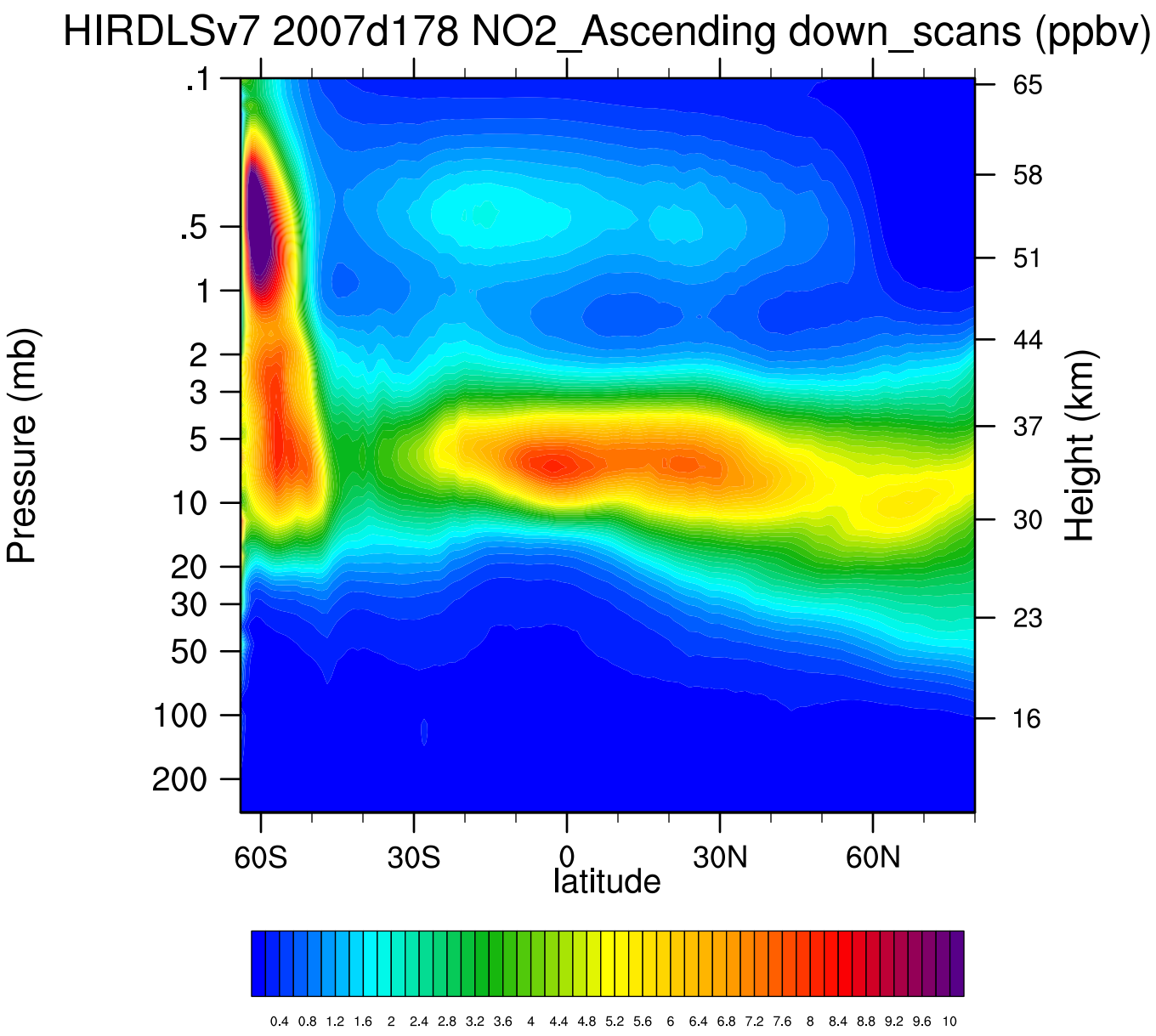
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d177 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d178 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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.5
1
2
3
5
10
20
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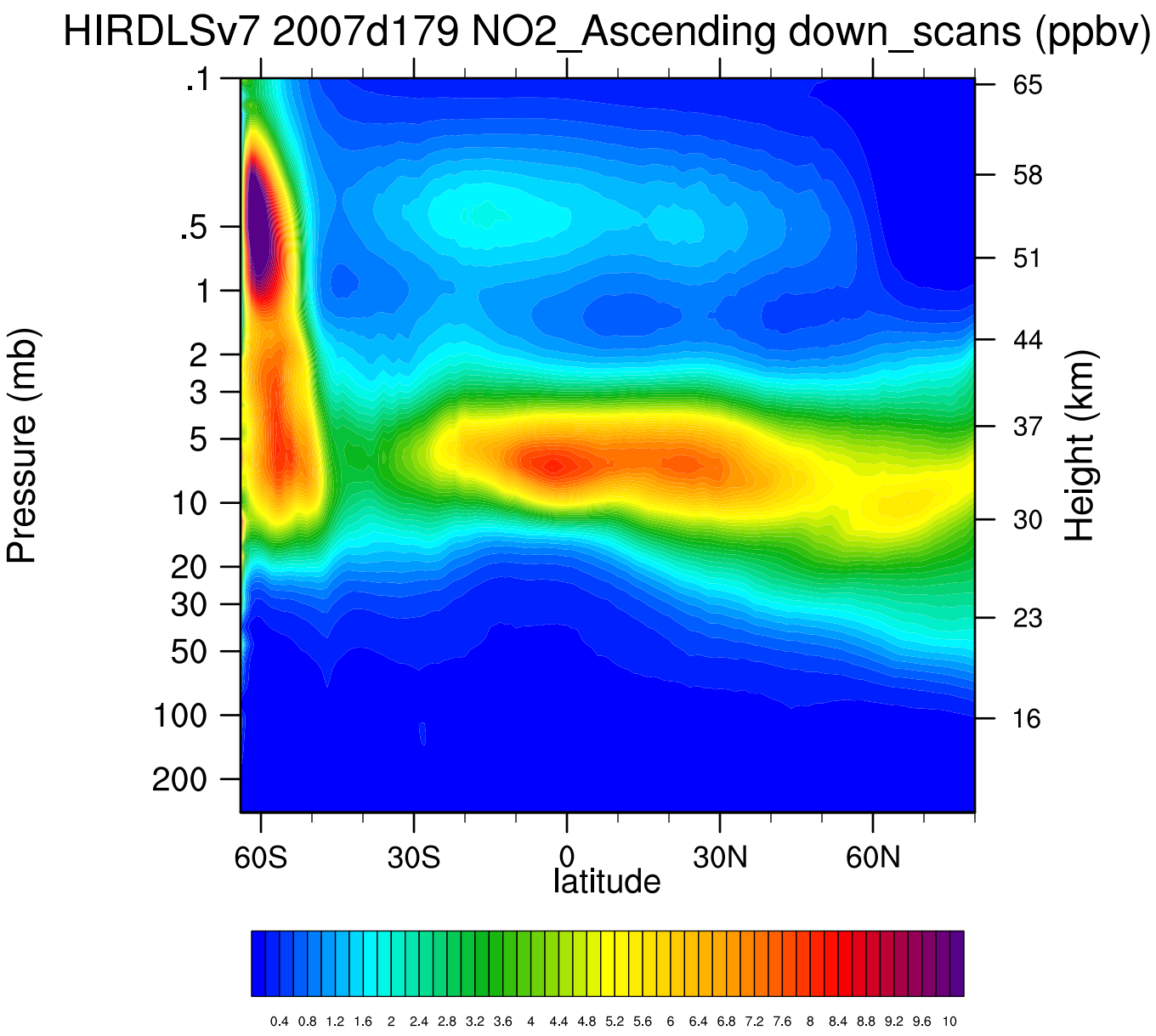
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d179 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
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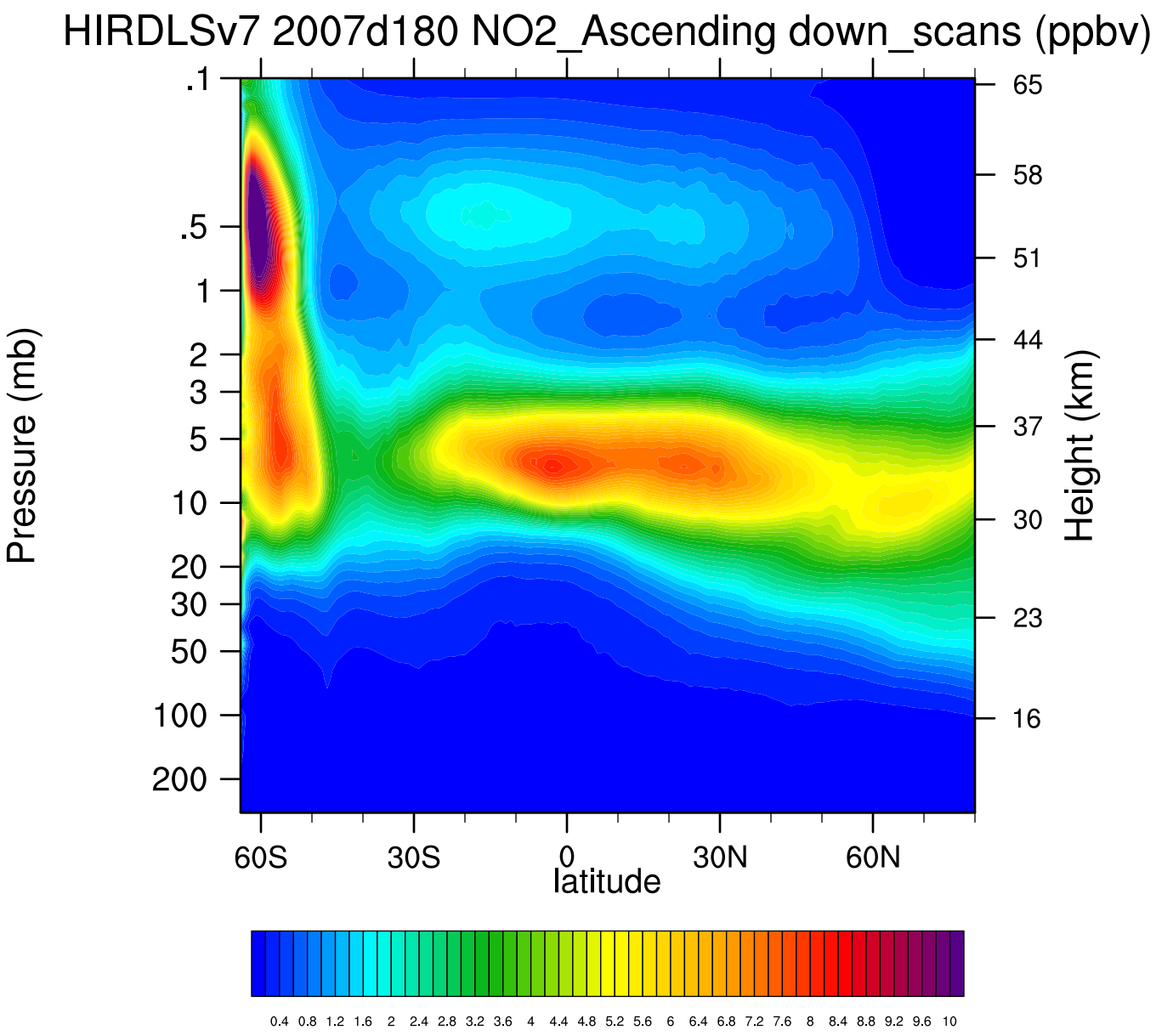
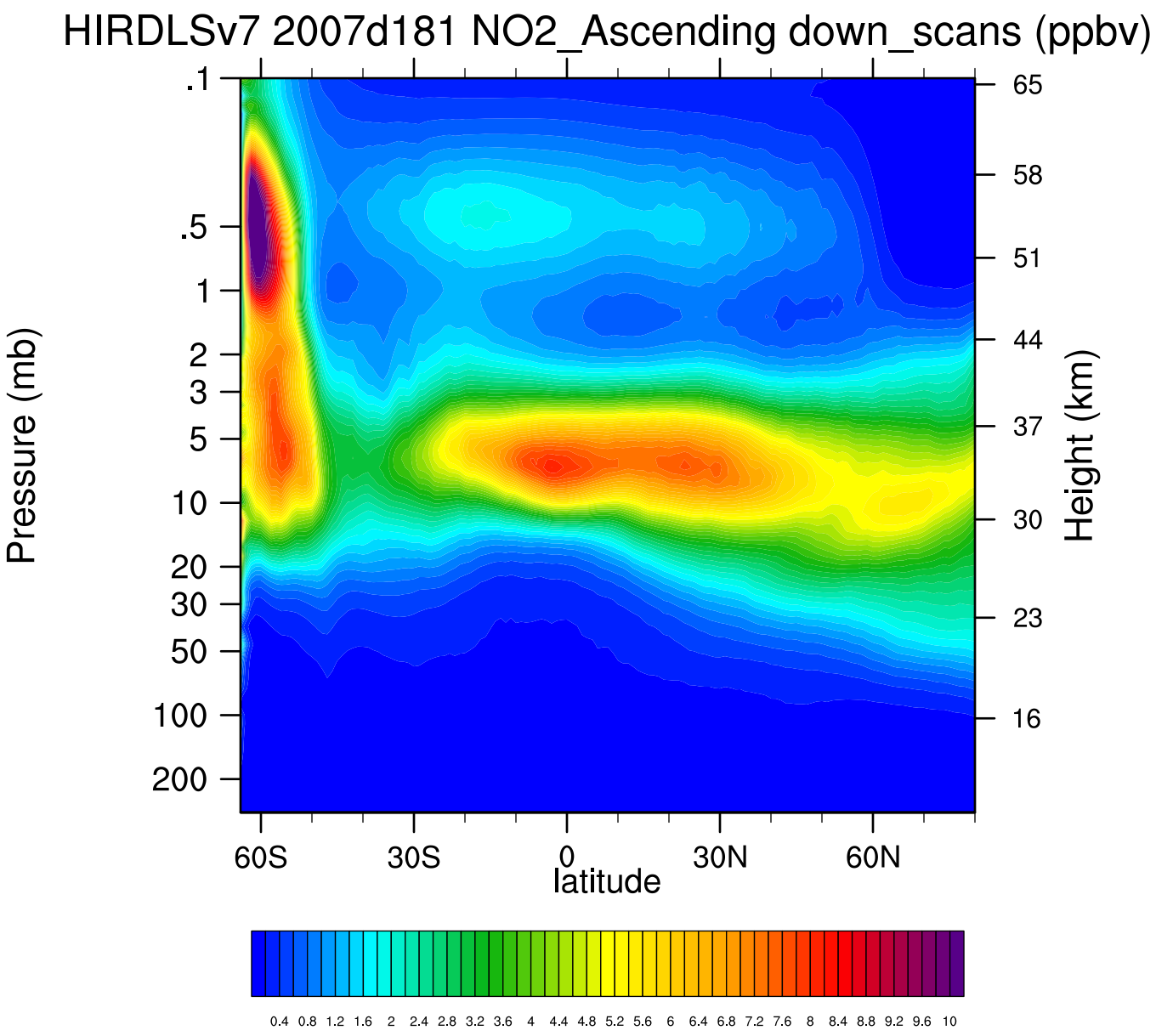
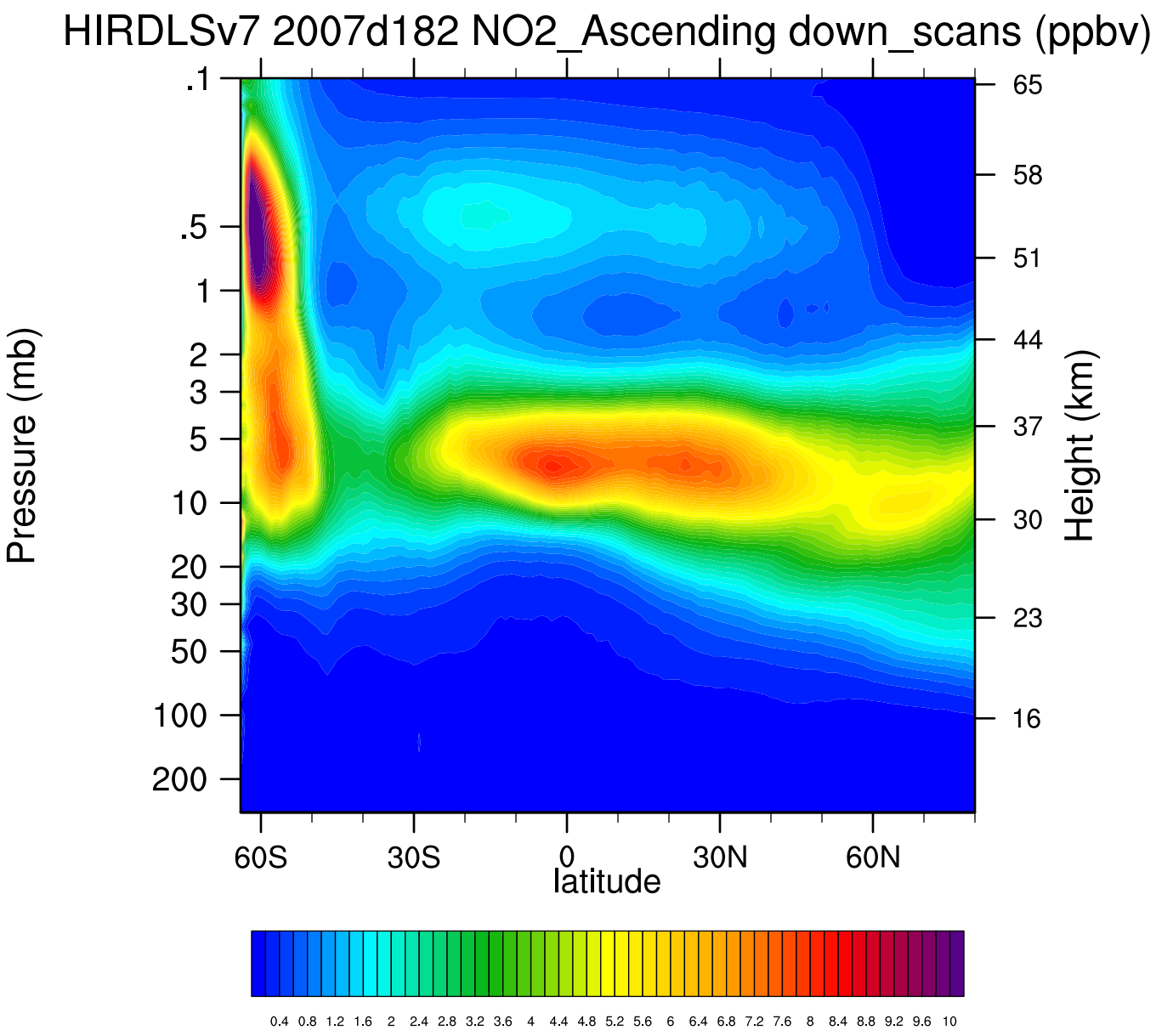
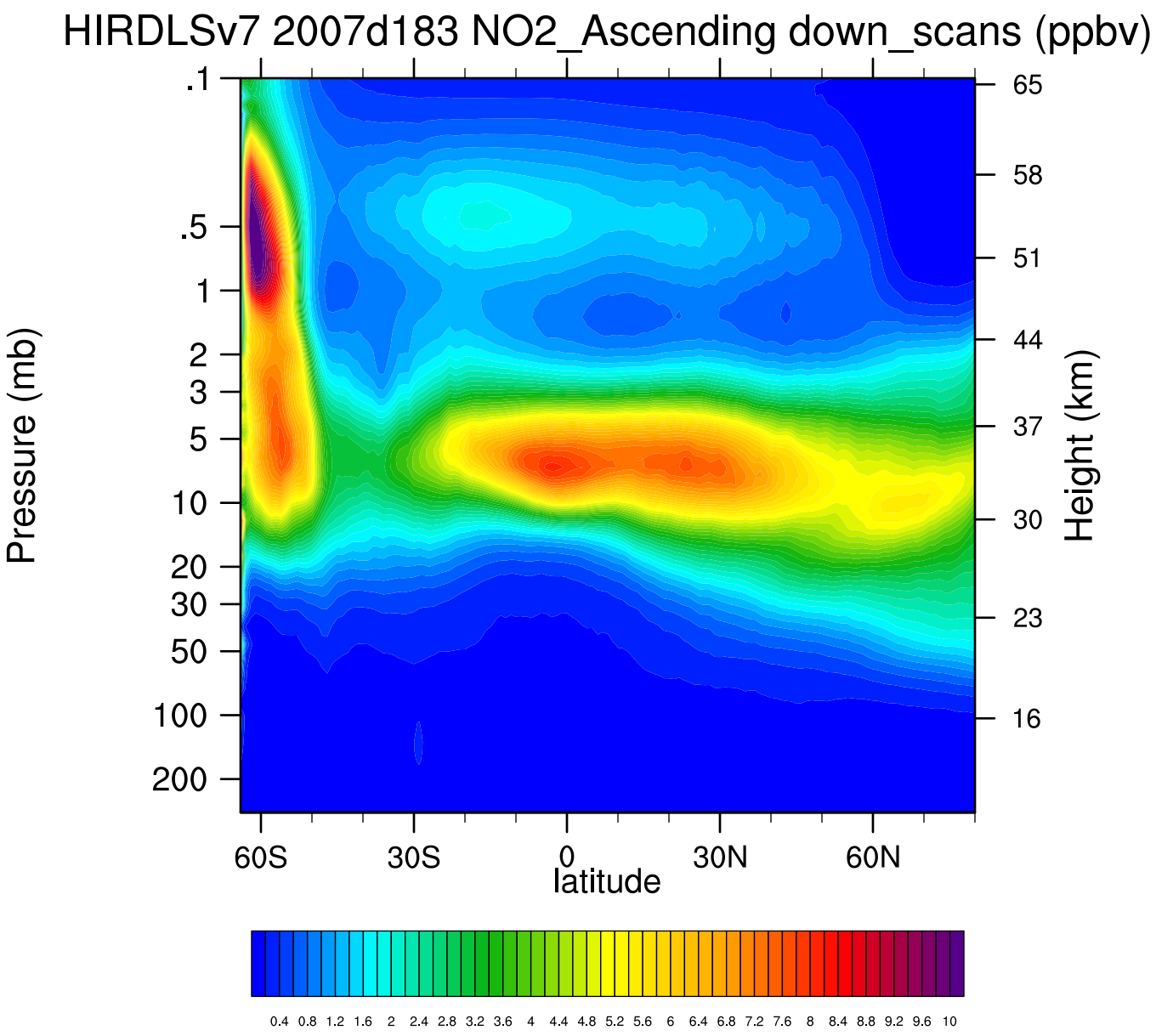
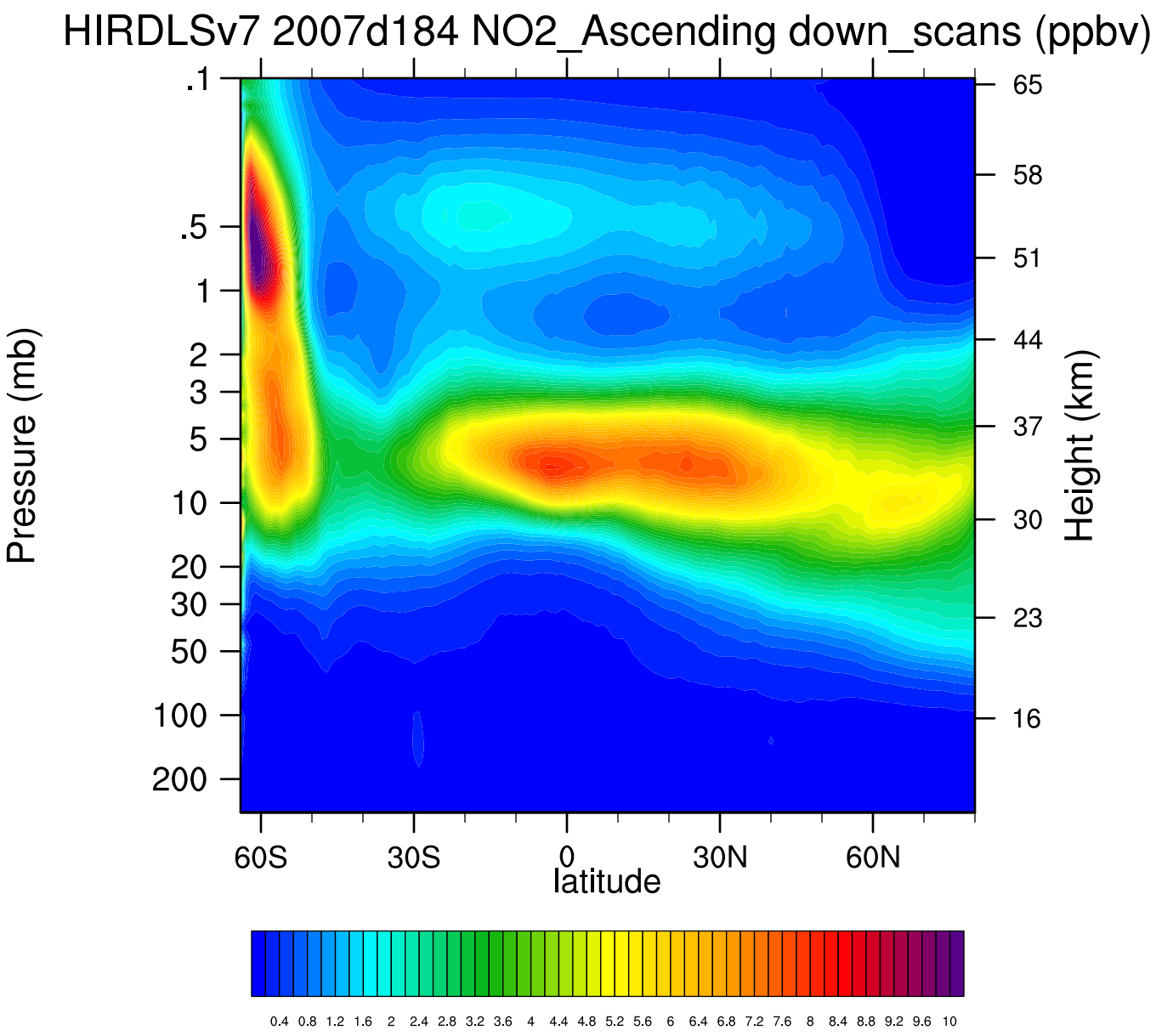
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

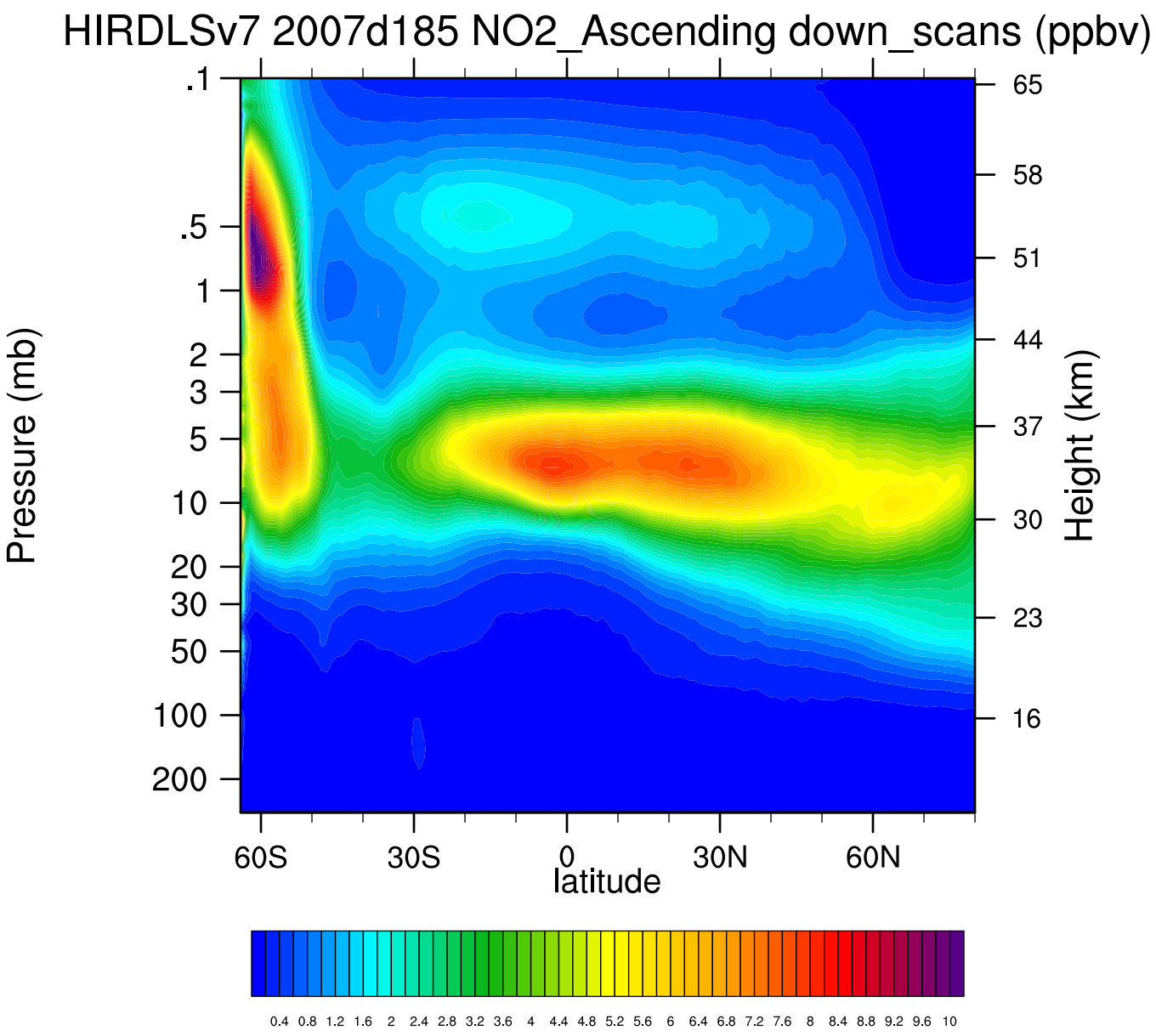

HIRDLSv7 2007d180 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

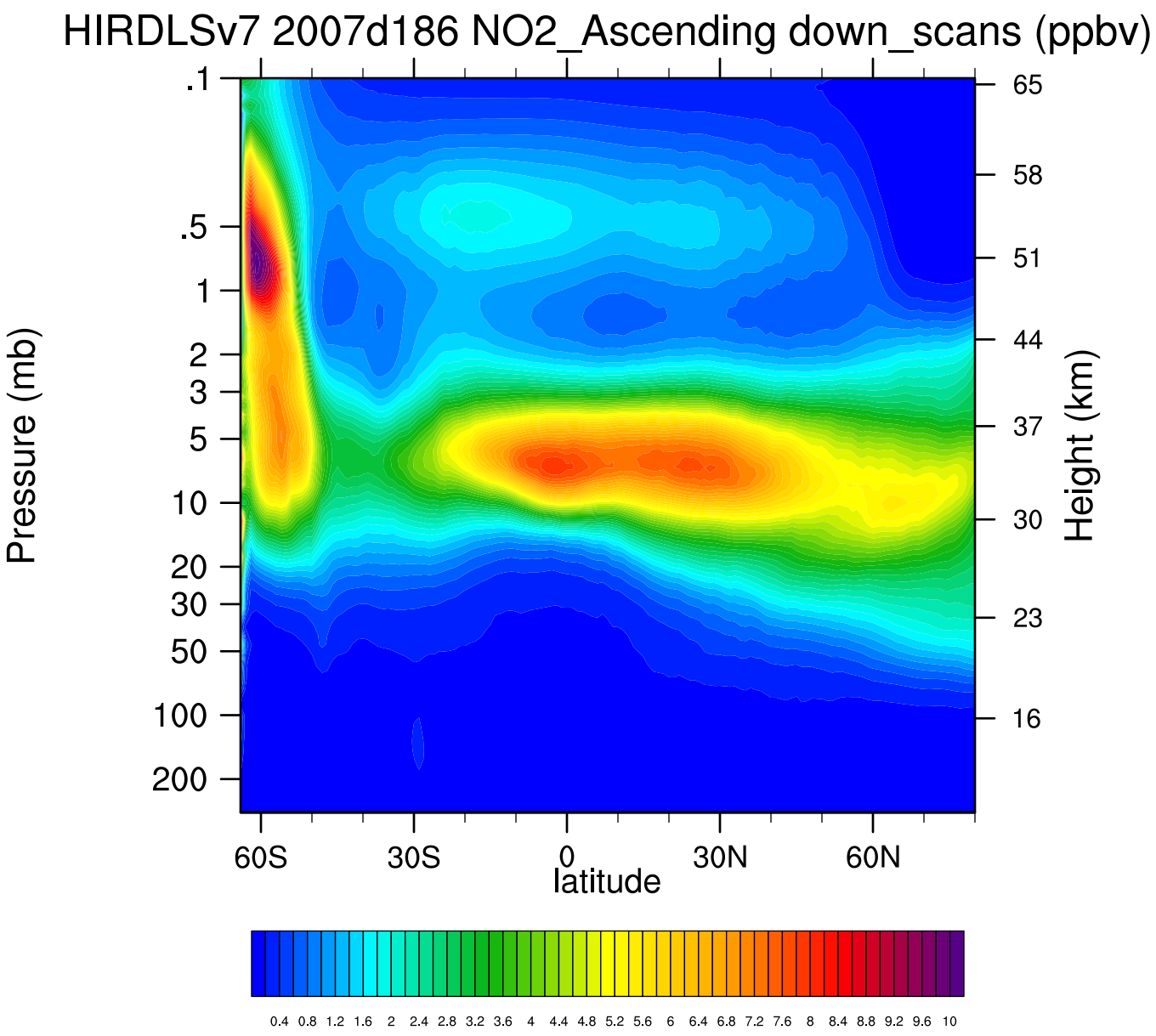

HIRDLSv7 2007d181 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

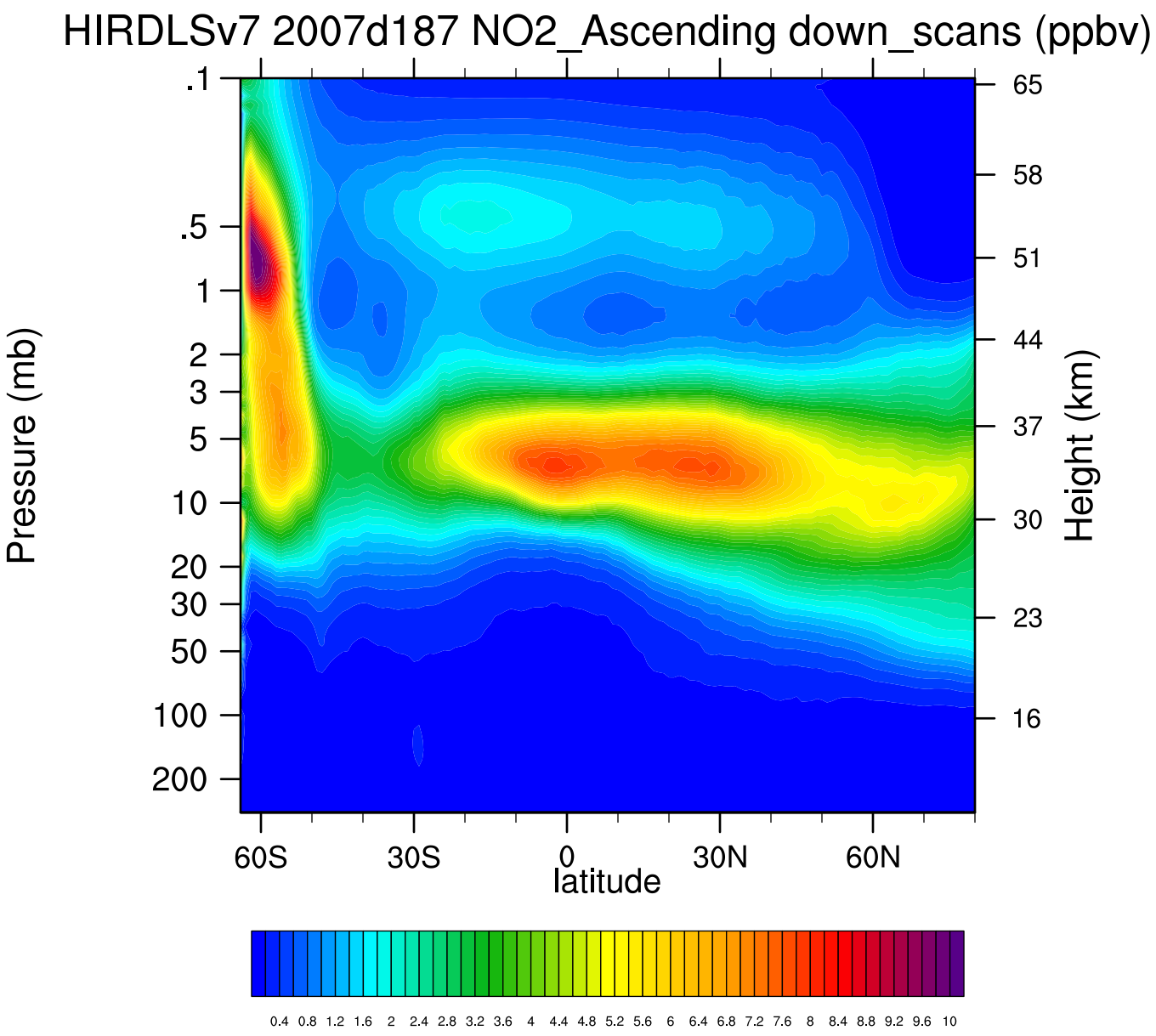

HIRDLSv7 2007d182 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

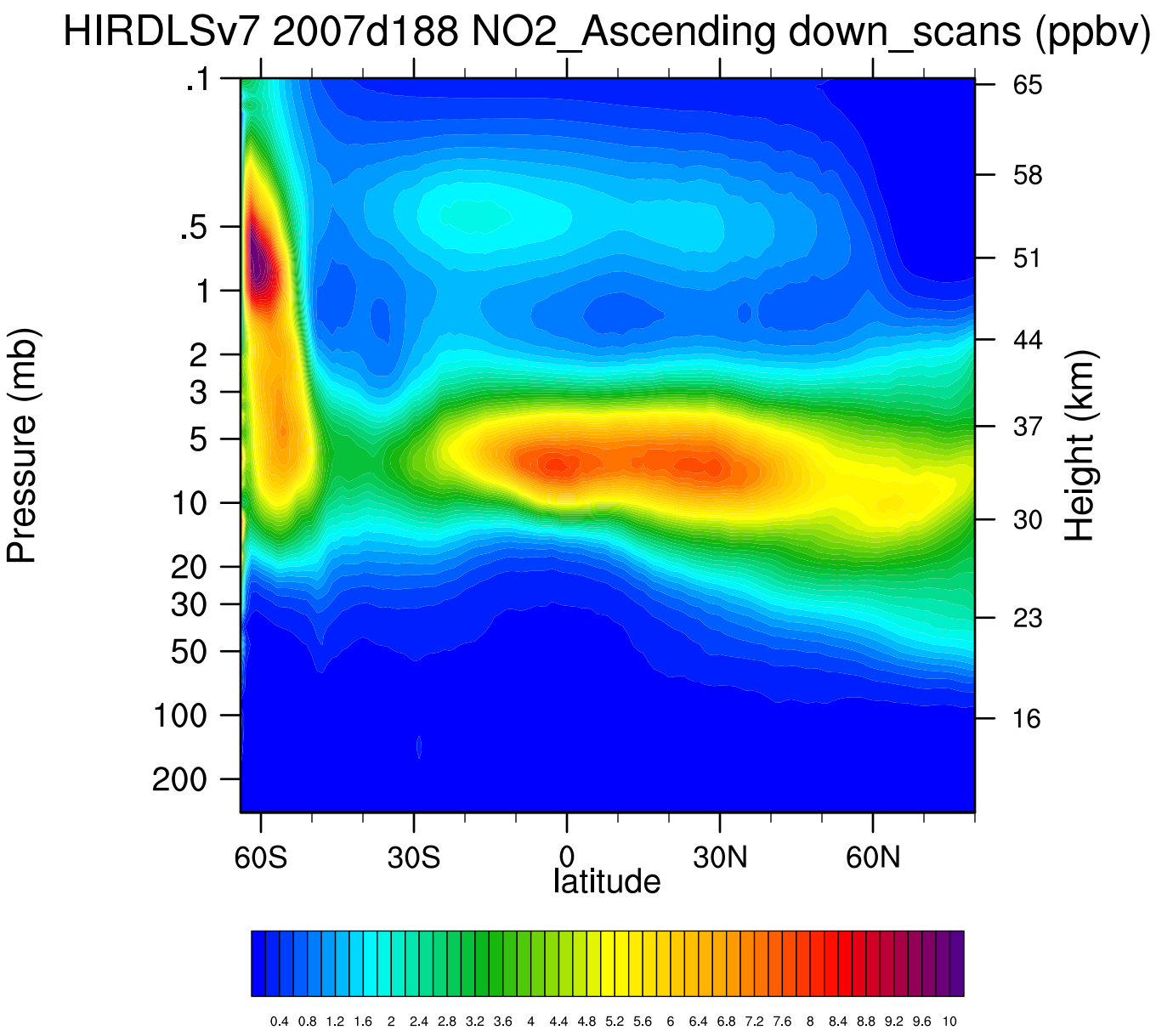

HIRDLSv7 2007d183 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

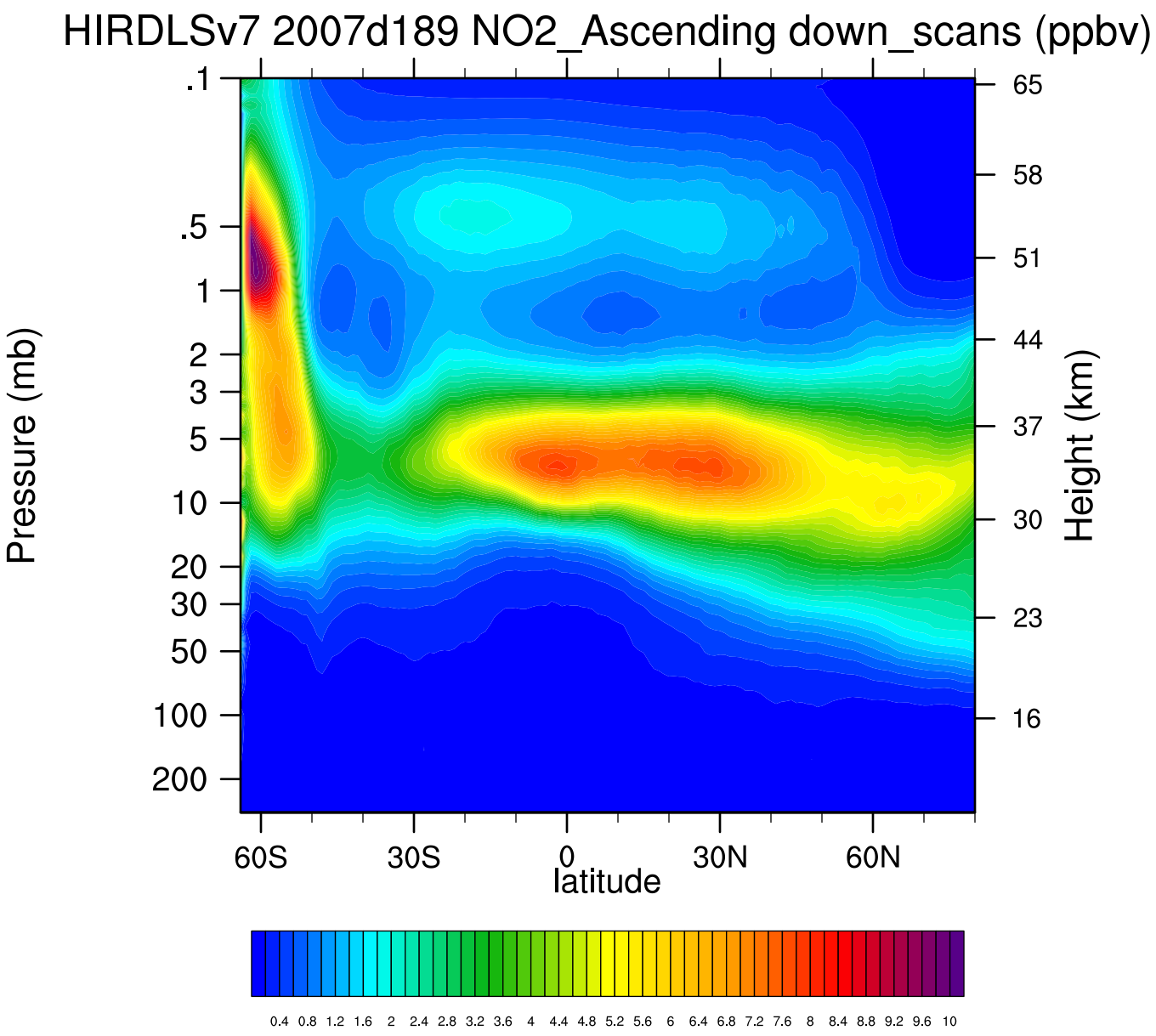

HIRDLSv7 2007d184 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

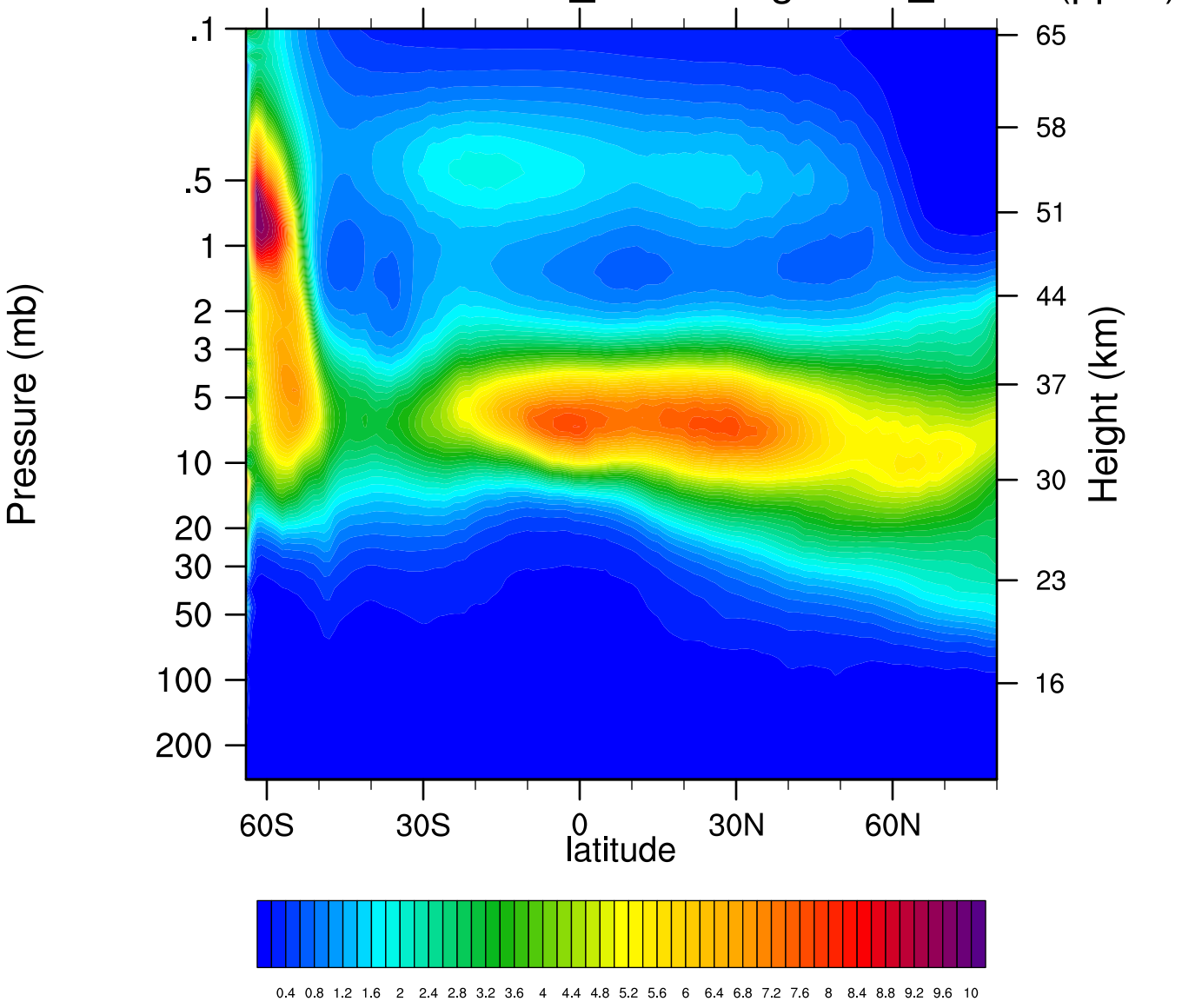

HIRDLSv7 2007d185 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

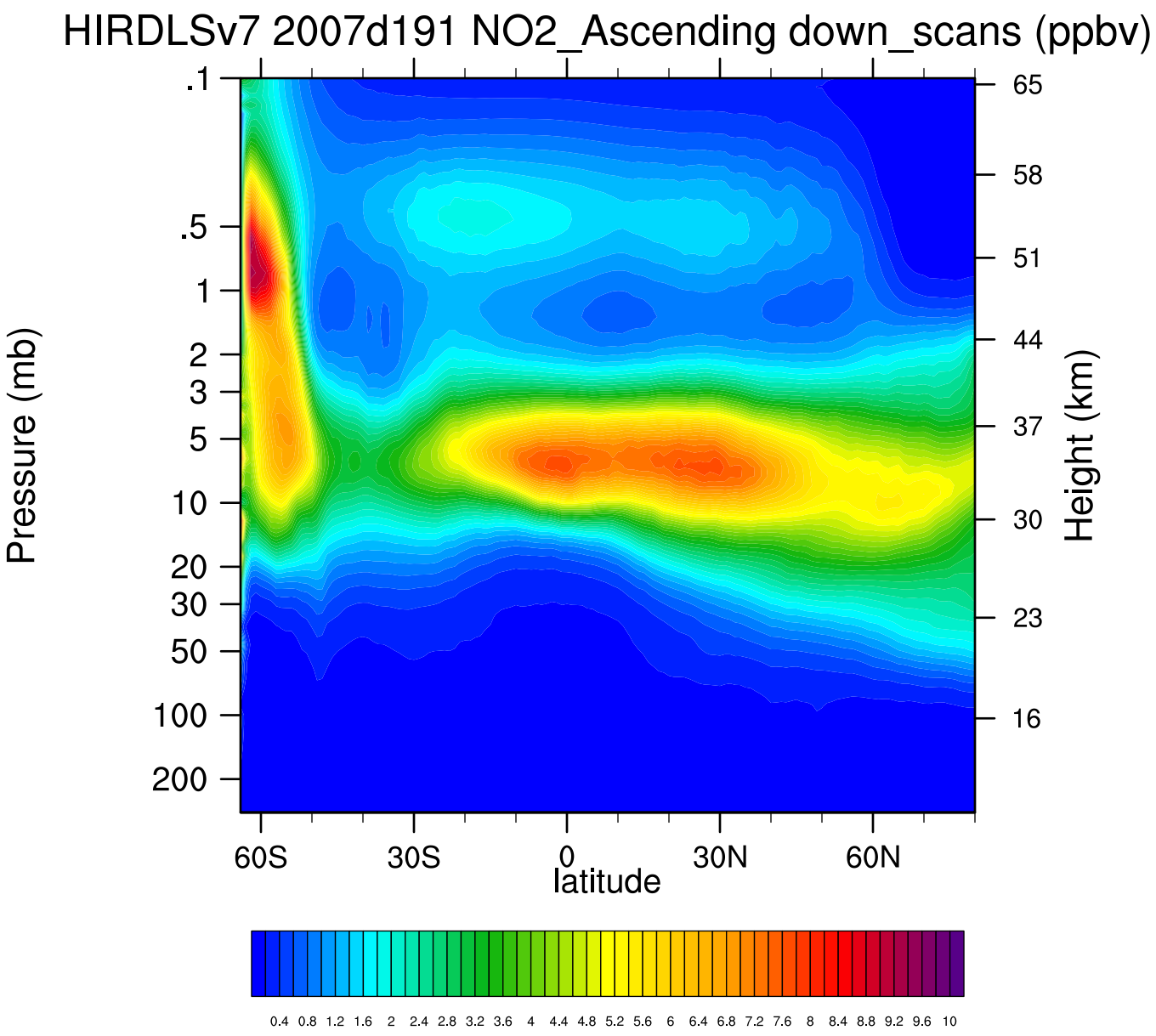

HIRDLSv7 2007d186 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

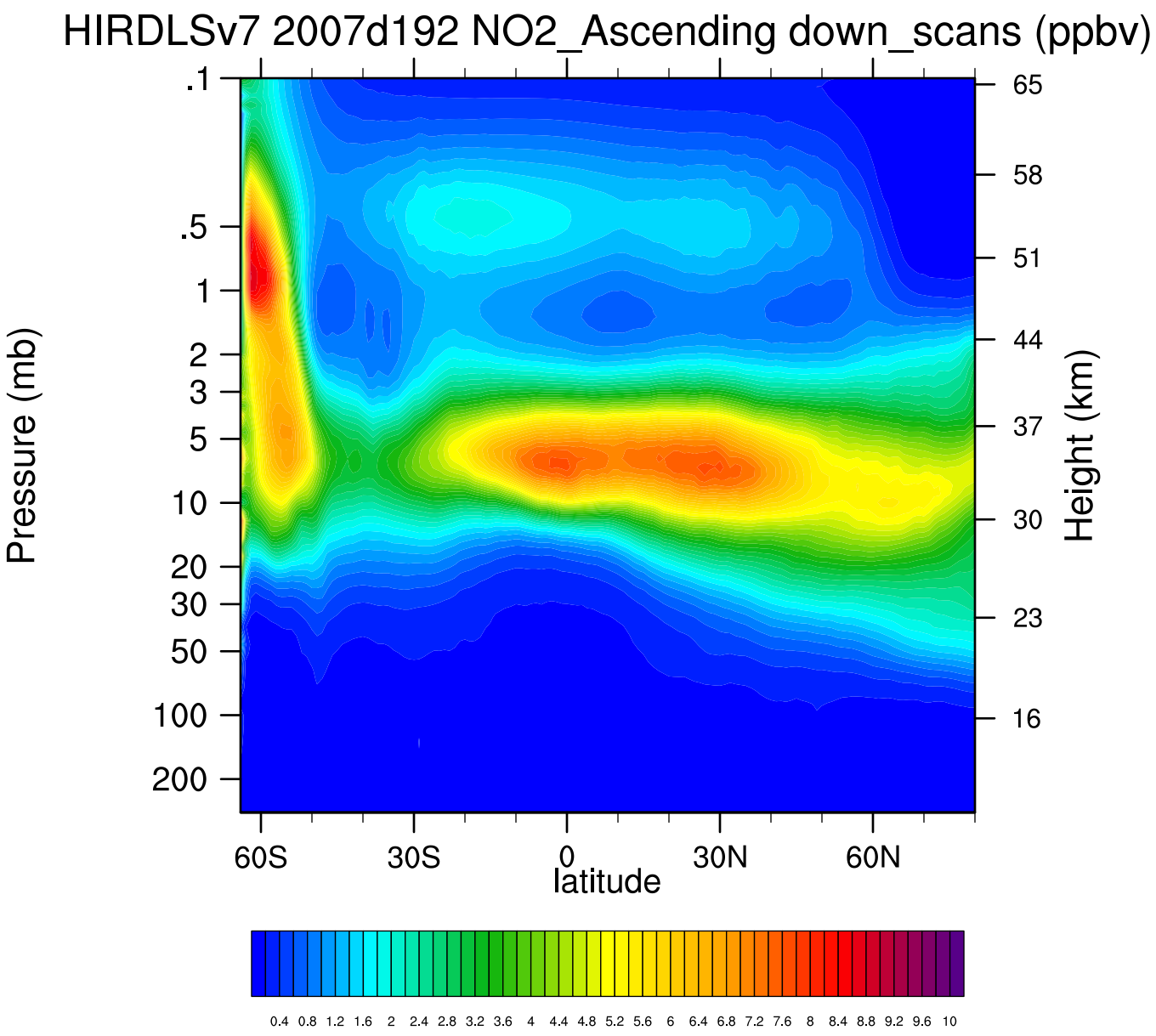

HIRDLSv7 2007d187 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

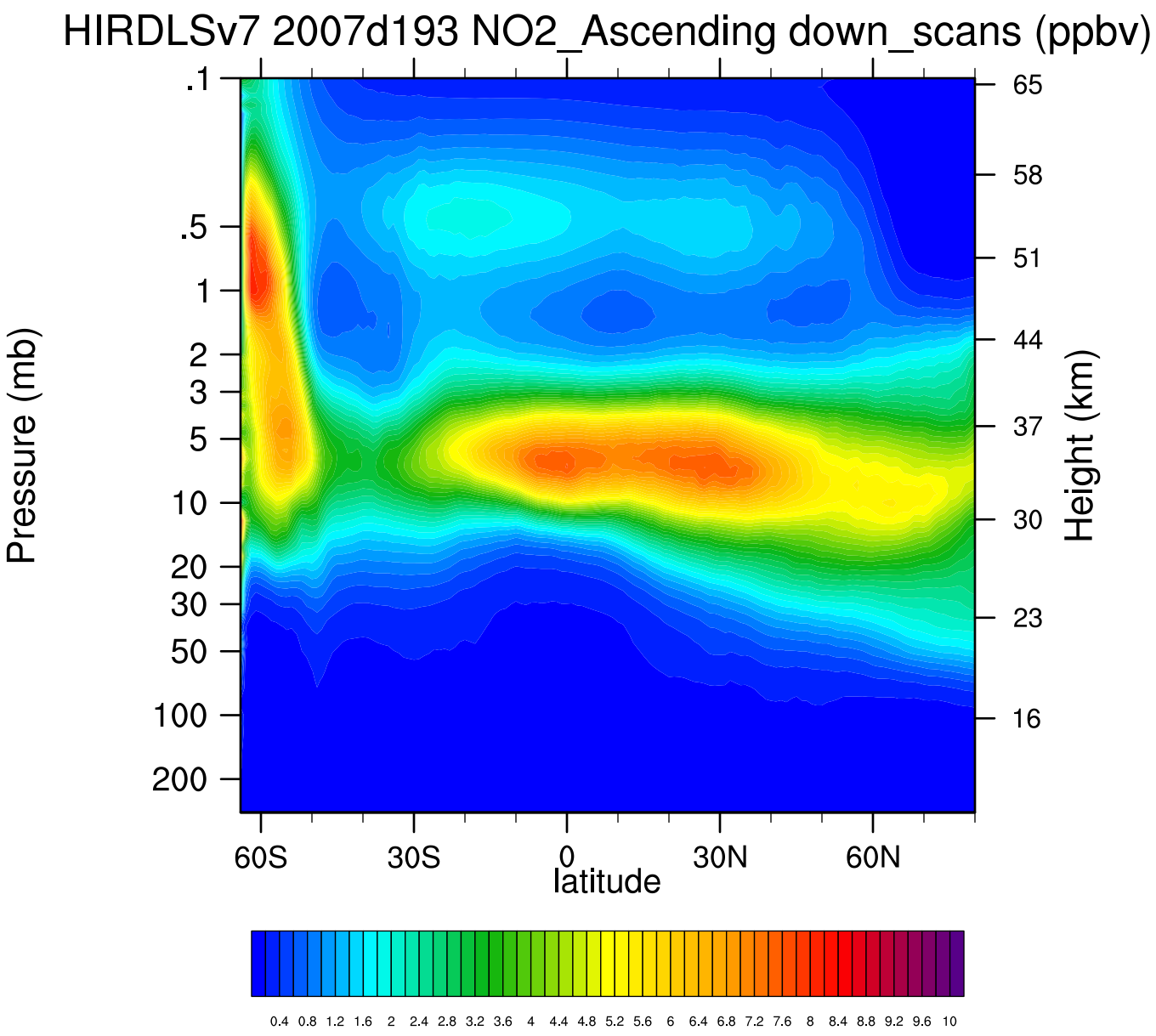

HIRDLSv7 2007d188 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

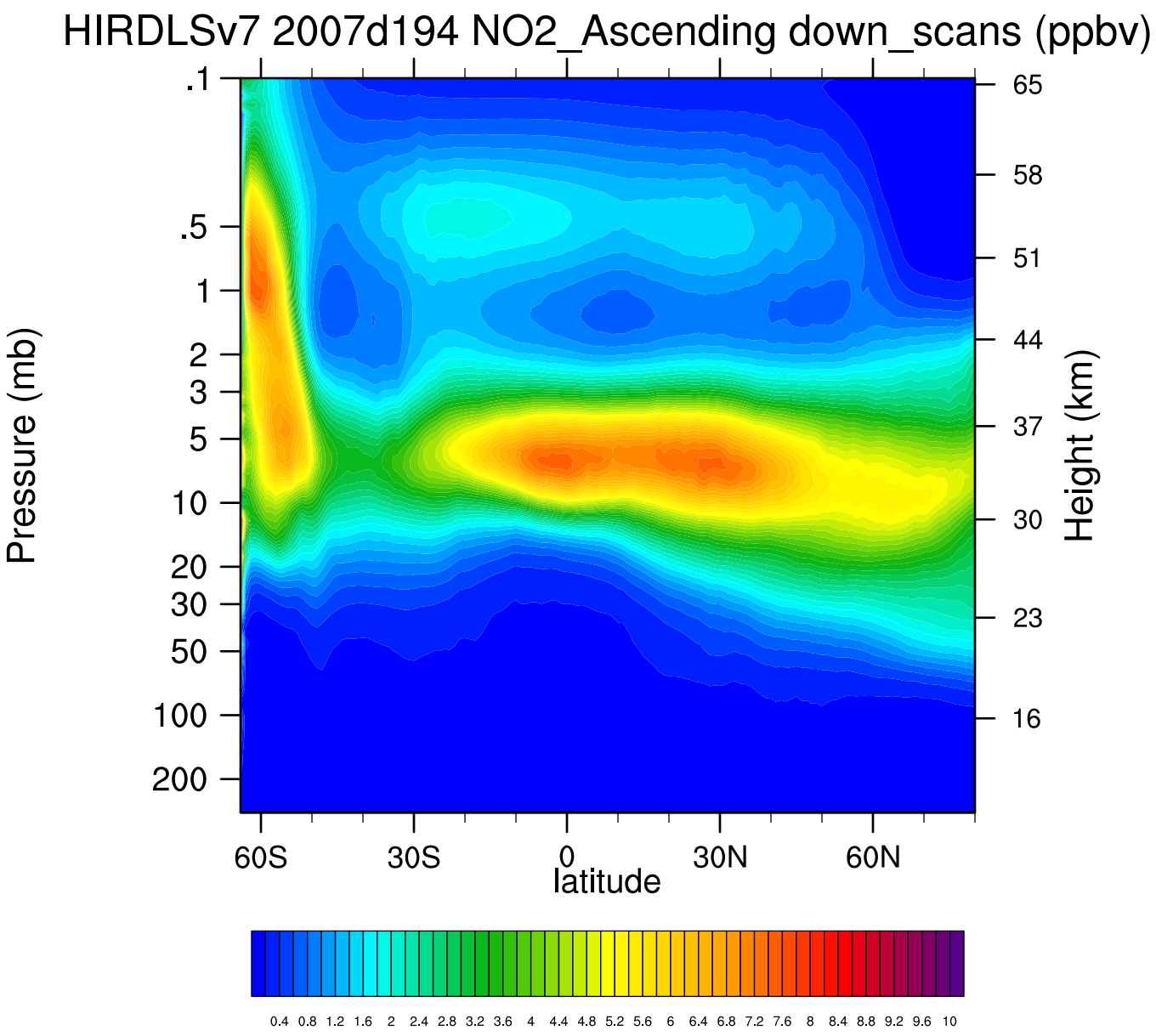

HIRDLSv7 2007d189 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

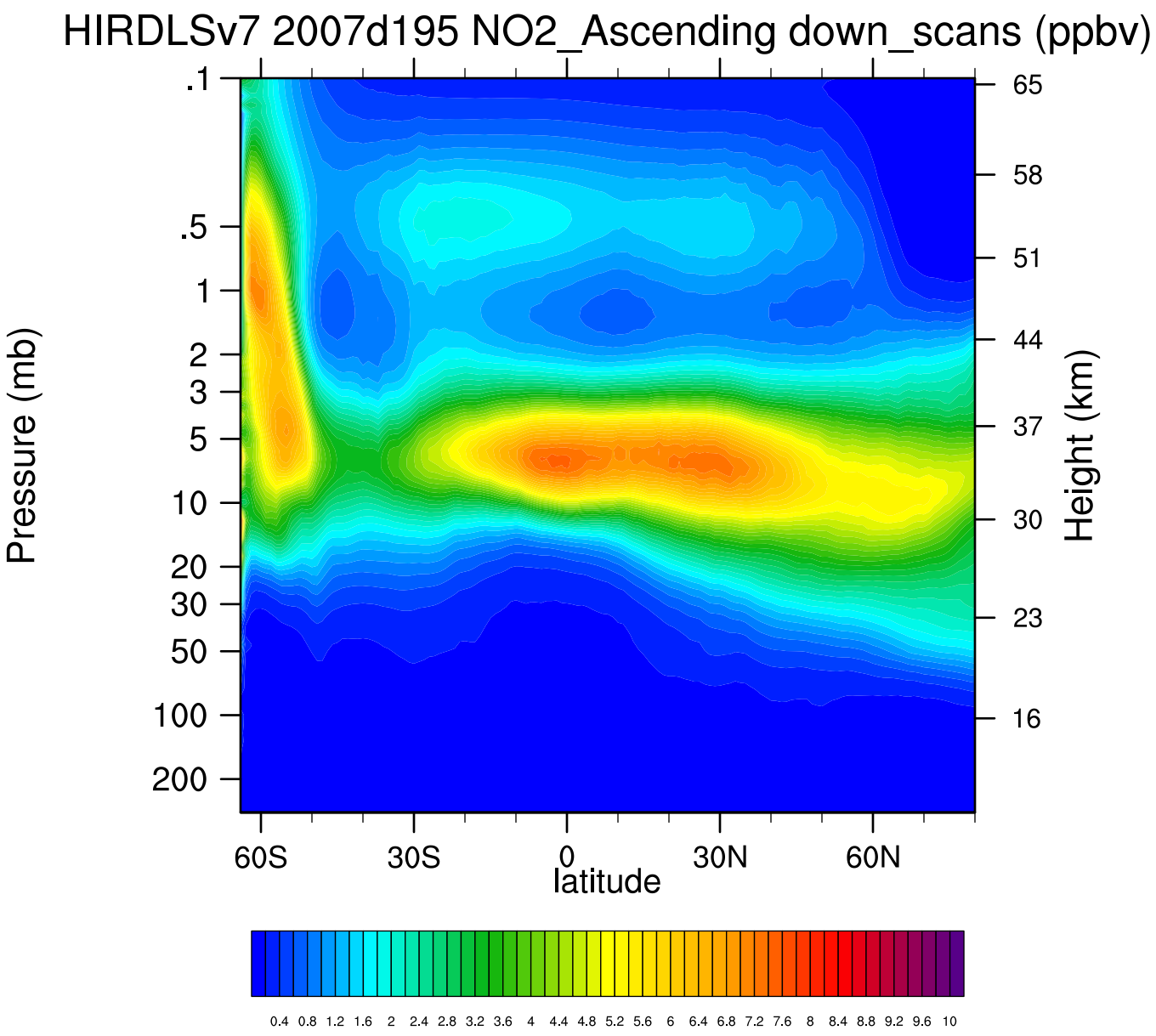

HIRDLSv7 2007d190 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

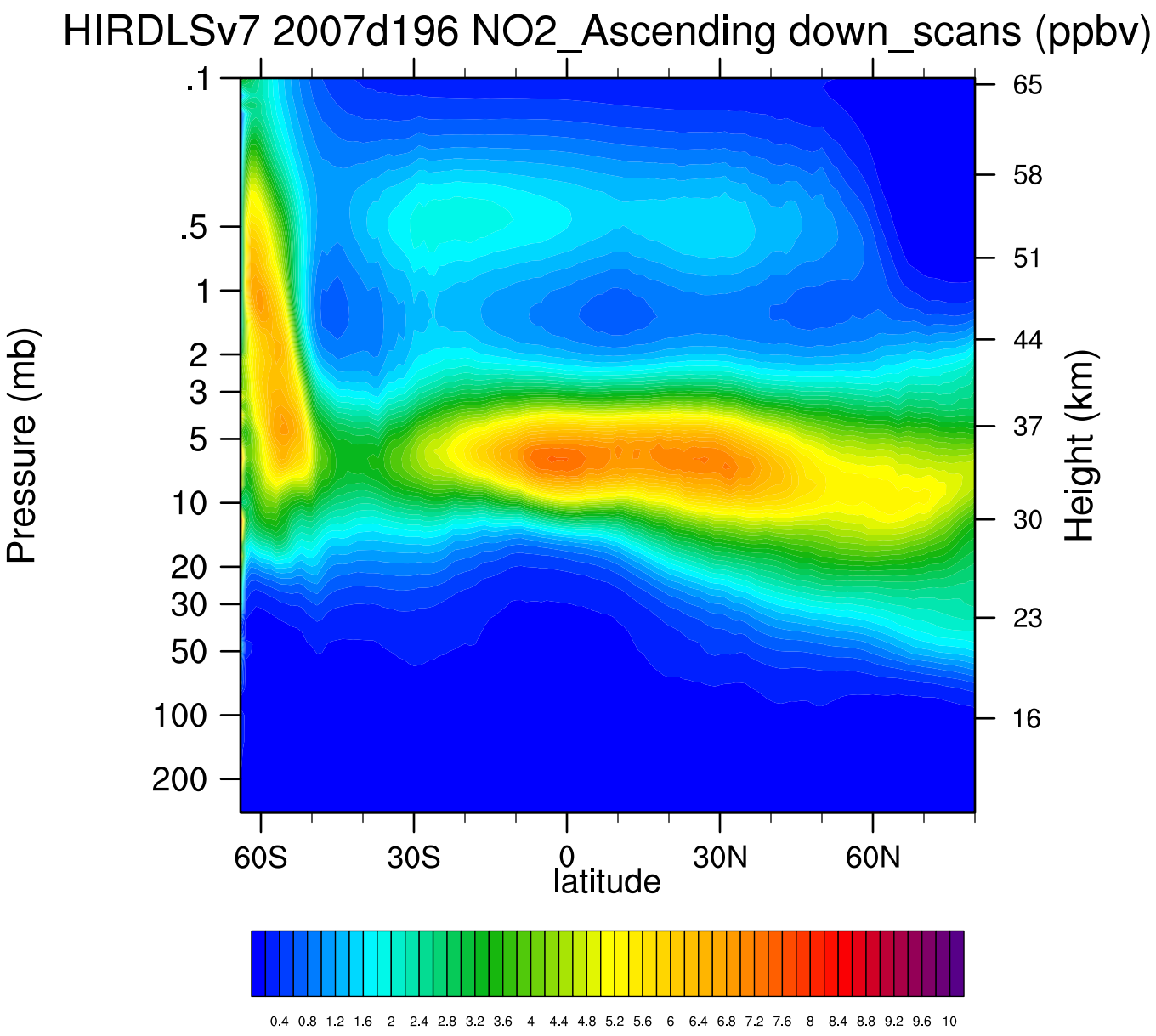

HIRDLSv7 2007d191 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

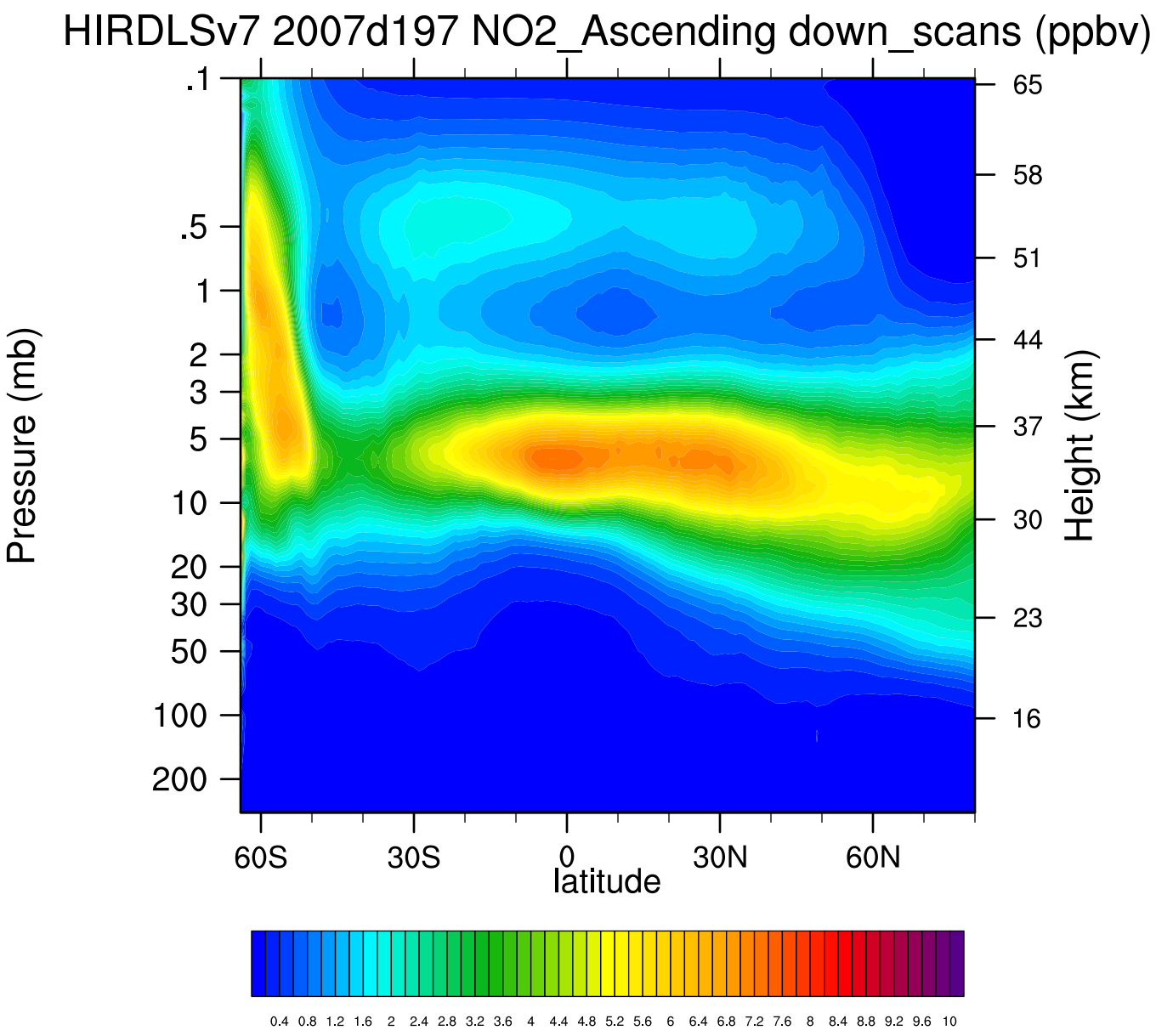

HIRDLSv7 2007d192 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

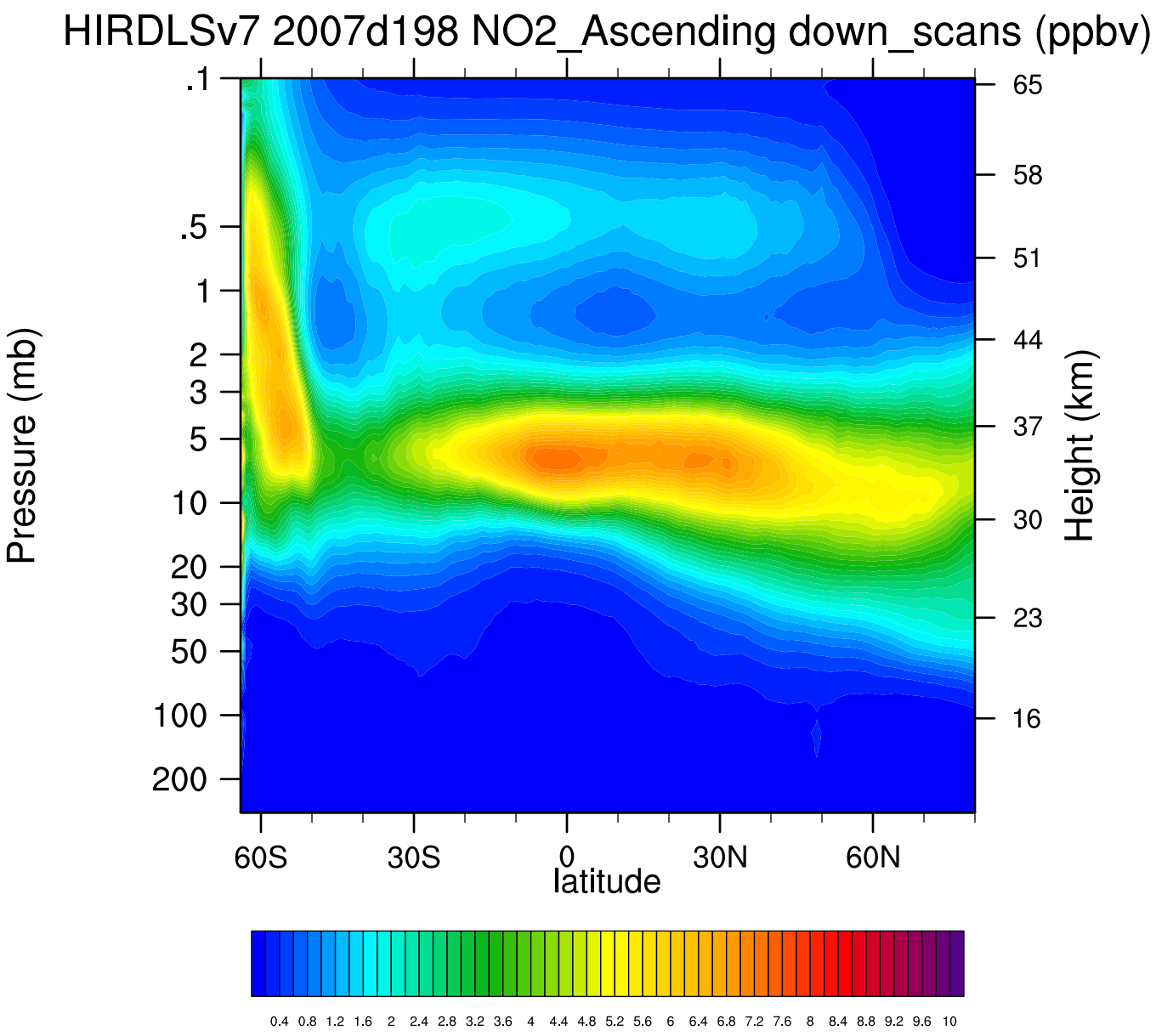

HIRDLSv7 2007d193 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

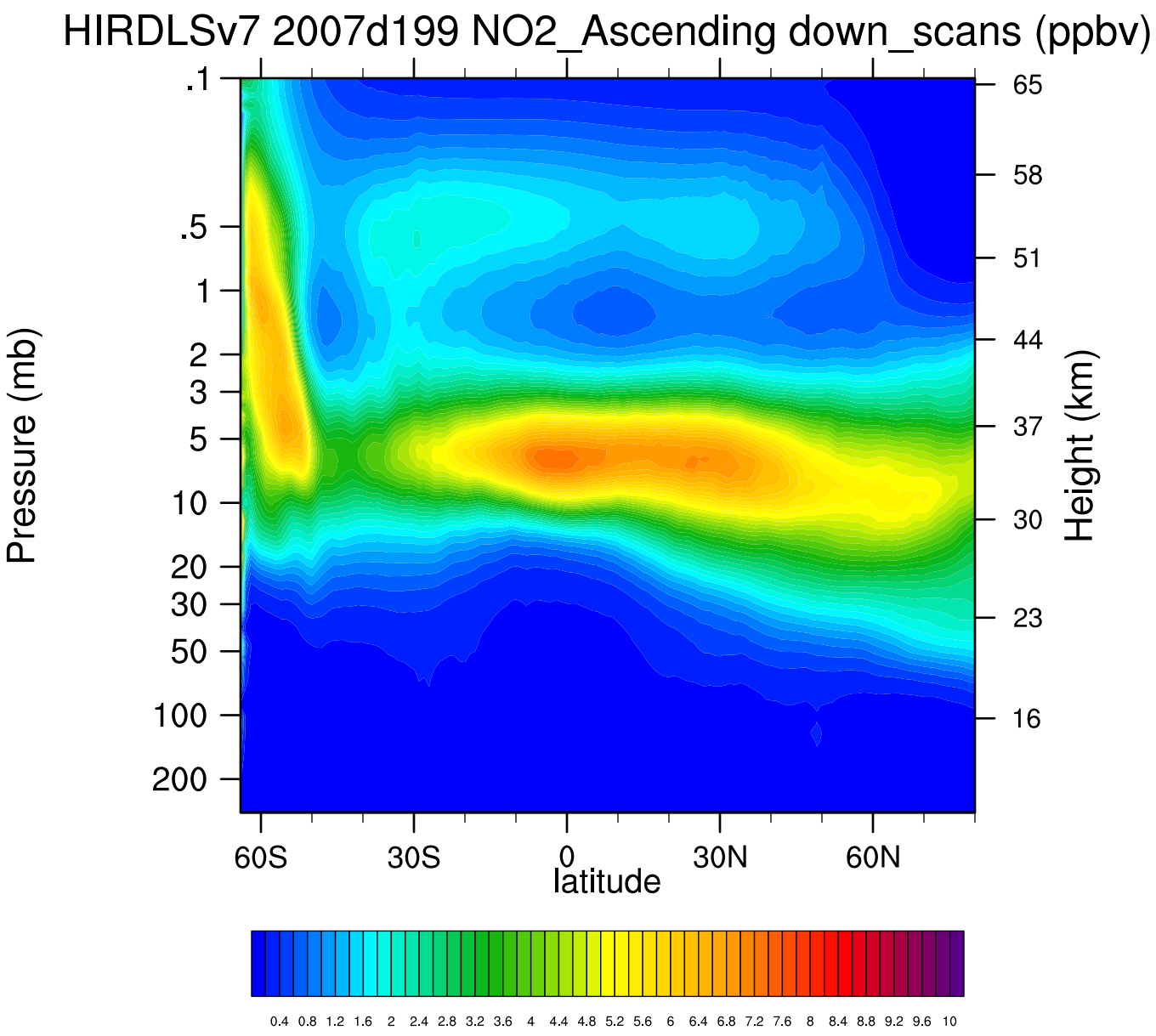

HIRDLSv7 2007d194 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

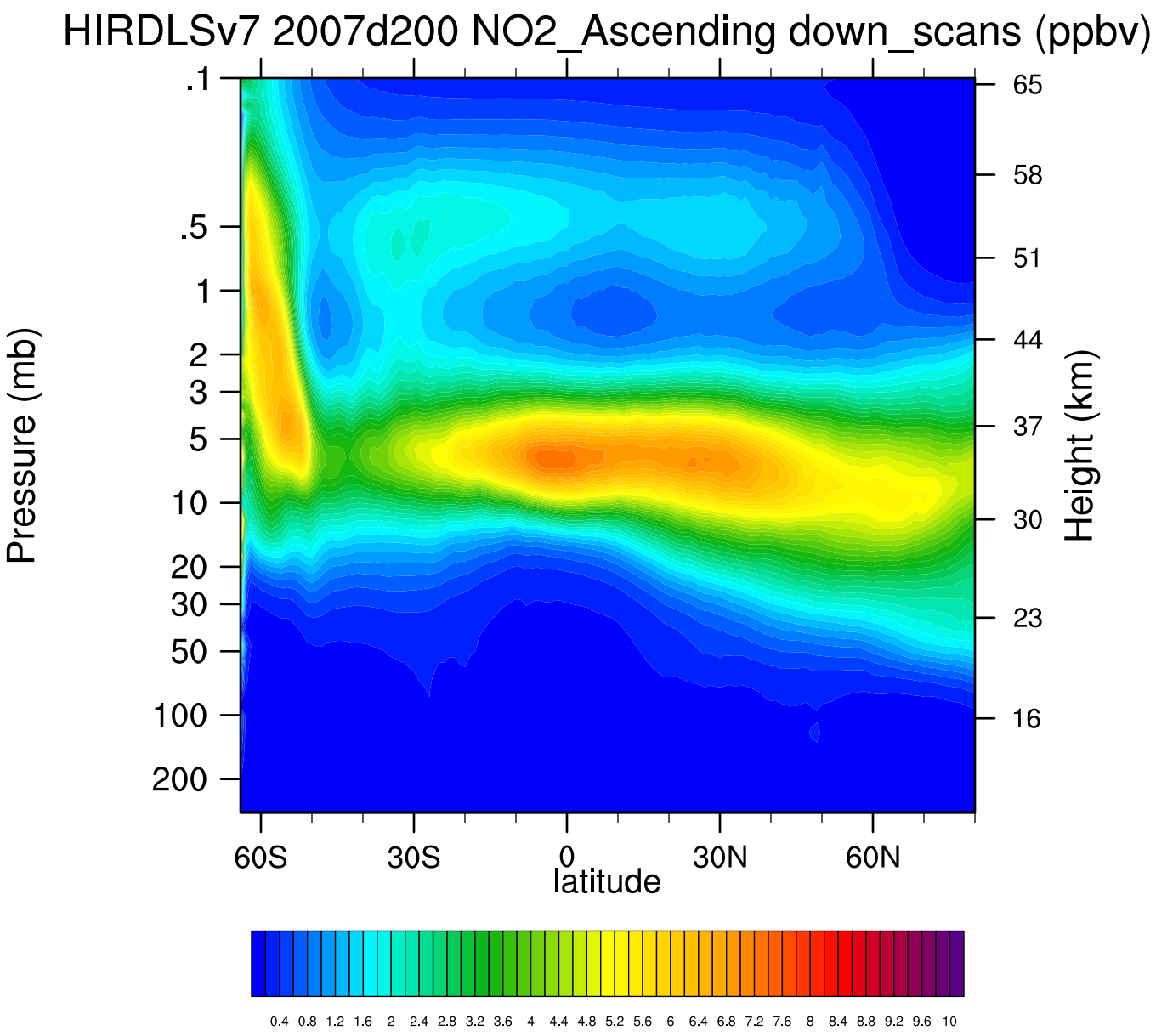

HIRDLSv7 2007d195 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

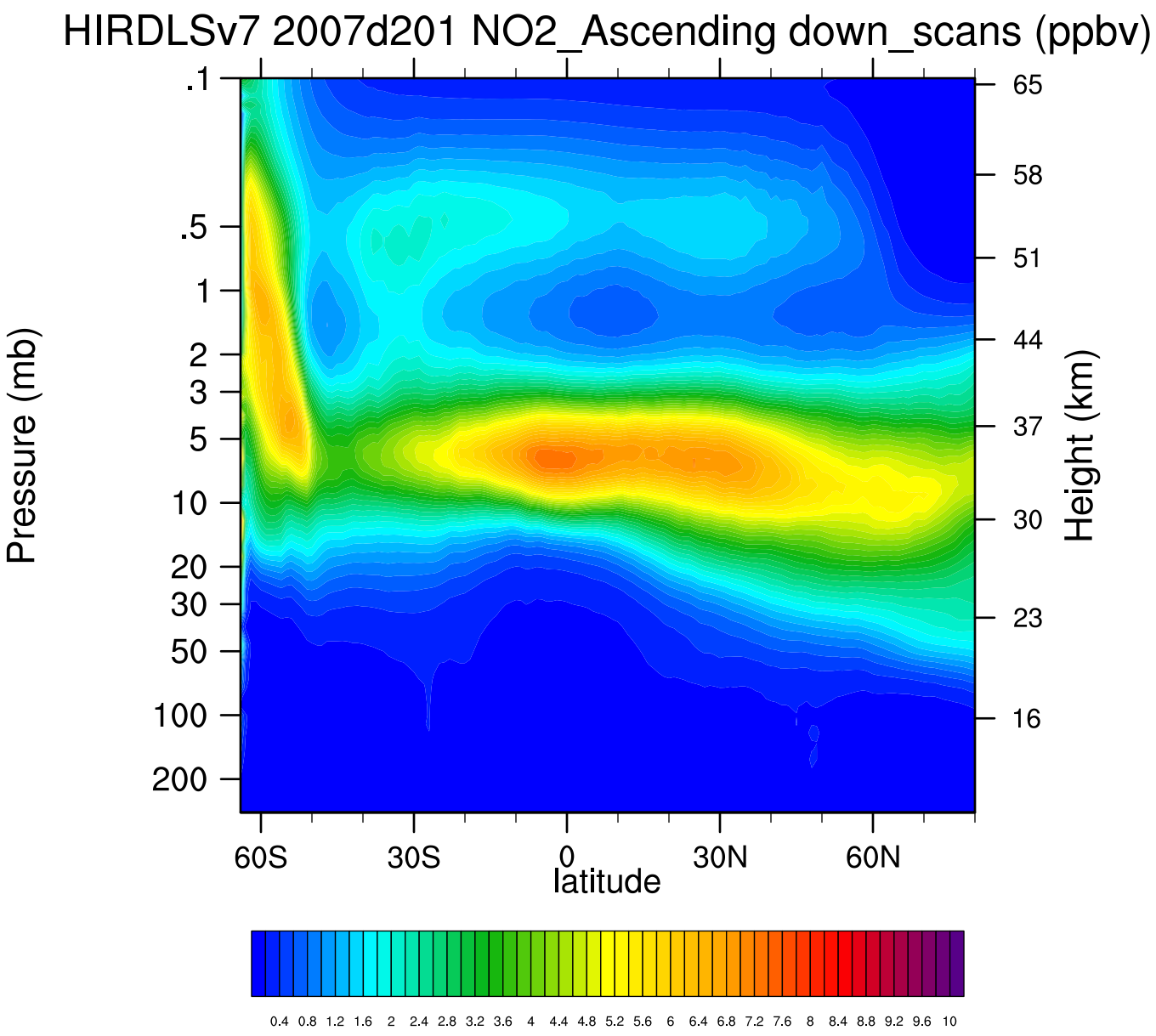

HIRDLSv7 2007d196 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

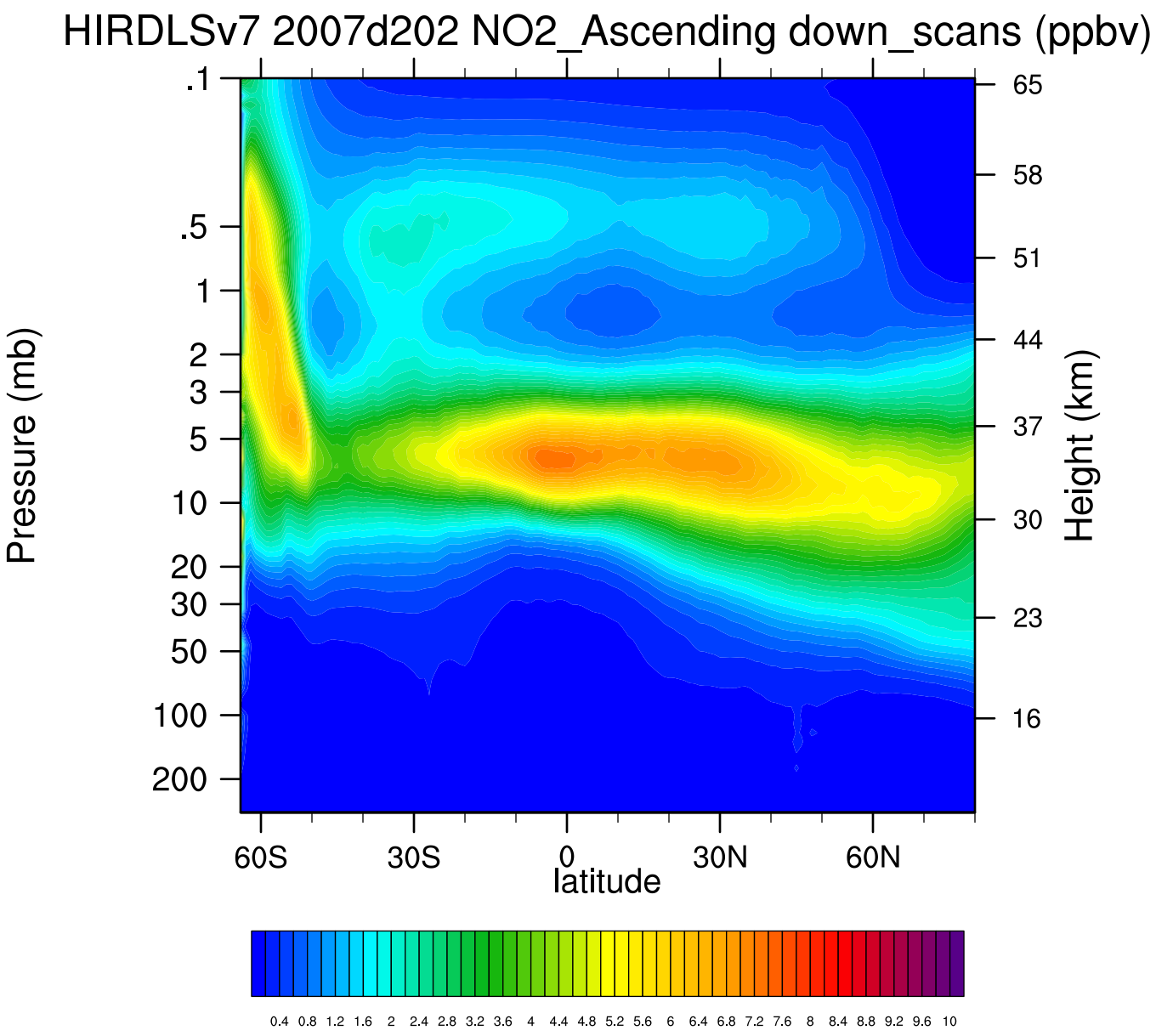

HIRDLSv7 2007d197 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

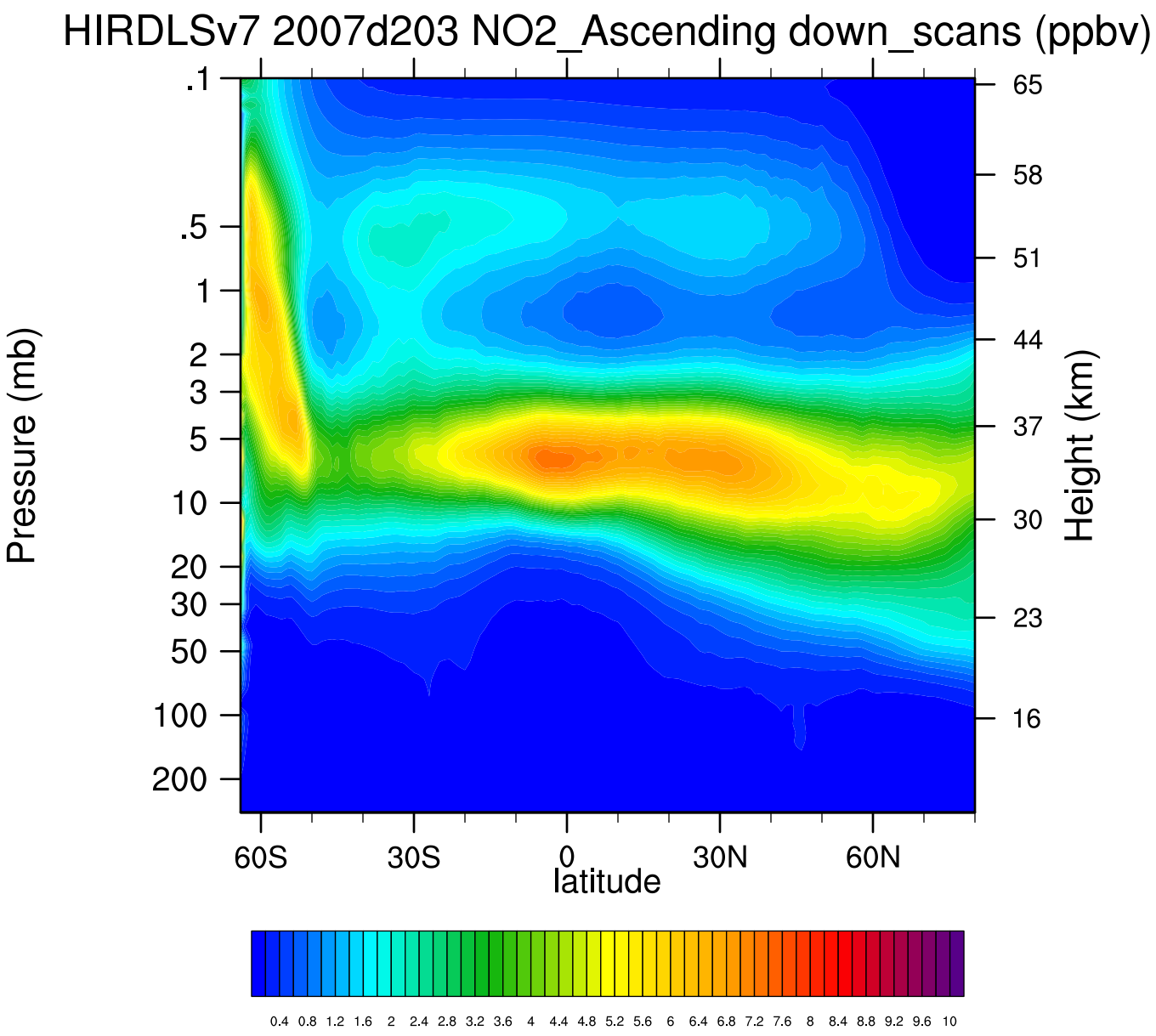

HIRDLSv7 2007d198 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

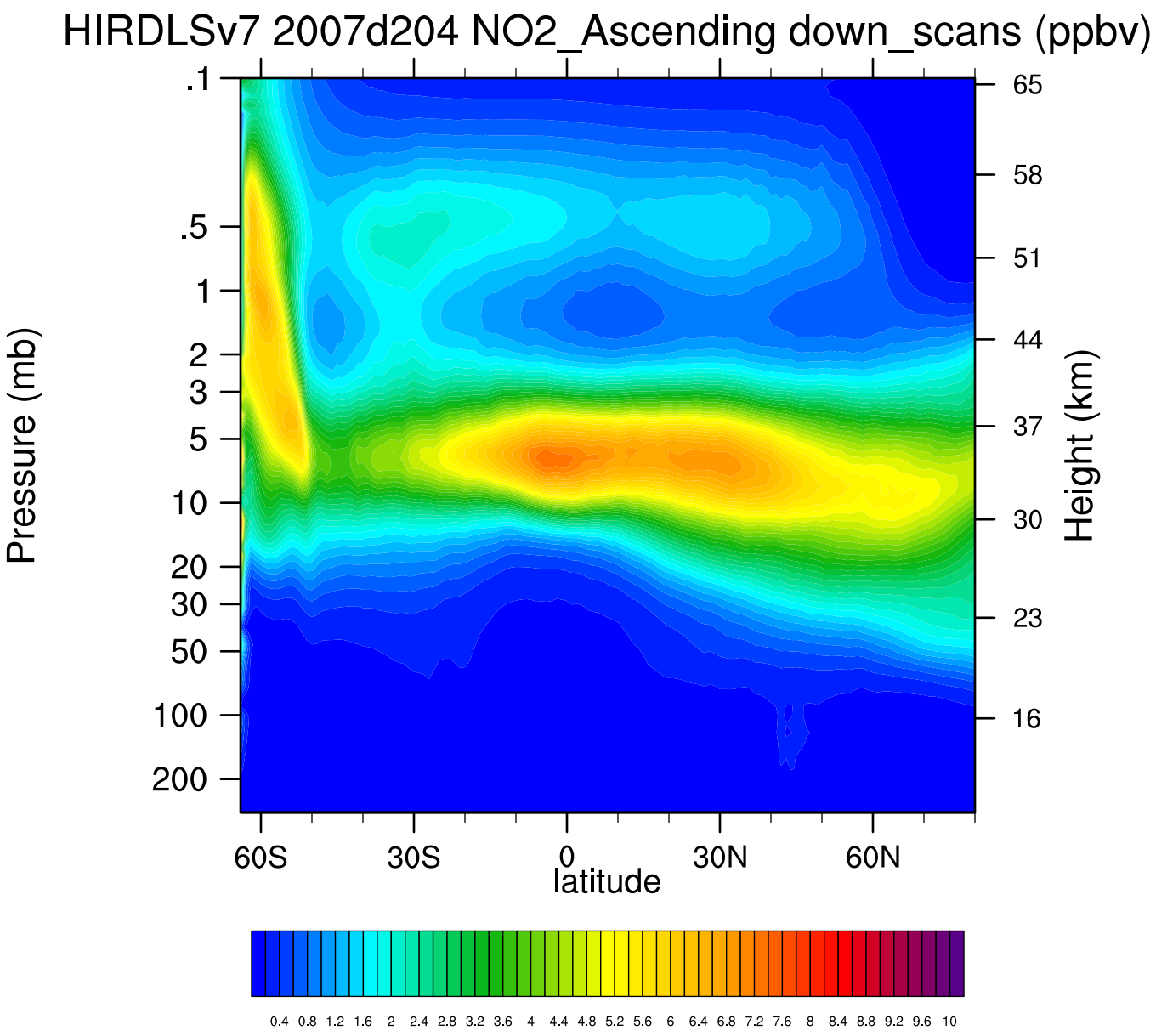

HIRDLSv7 2007d199 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

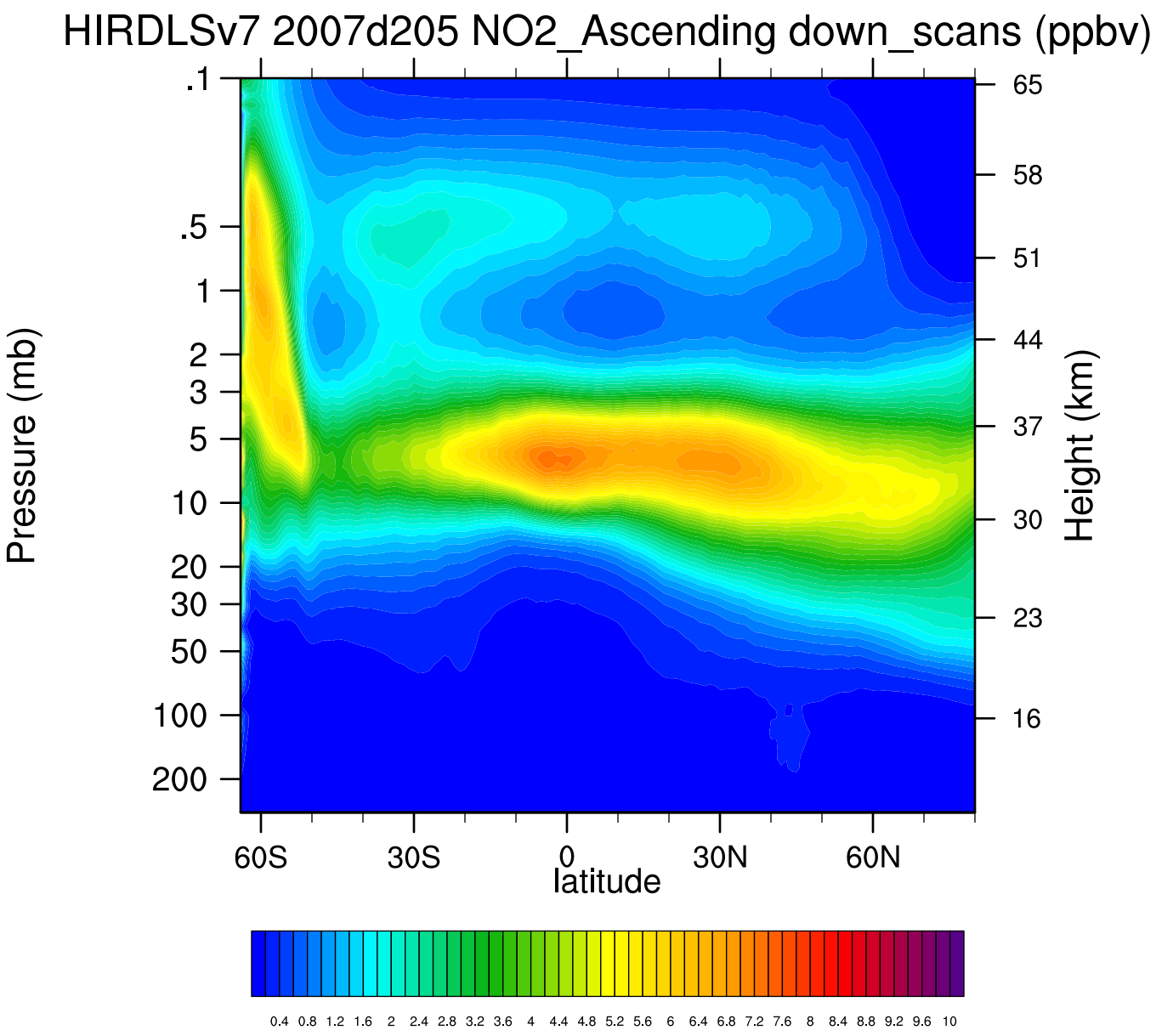

HIRDLSv7 2007d200 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

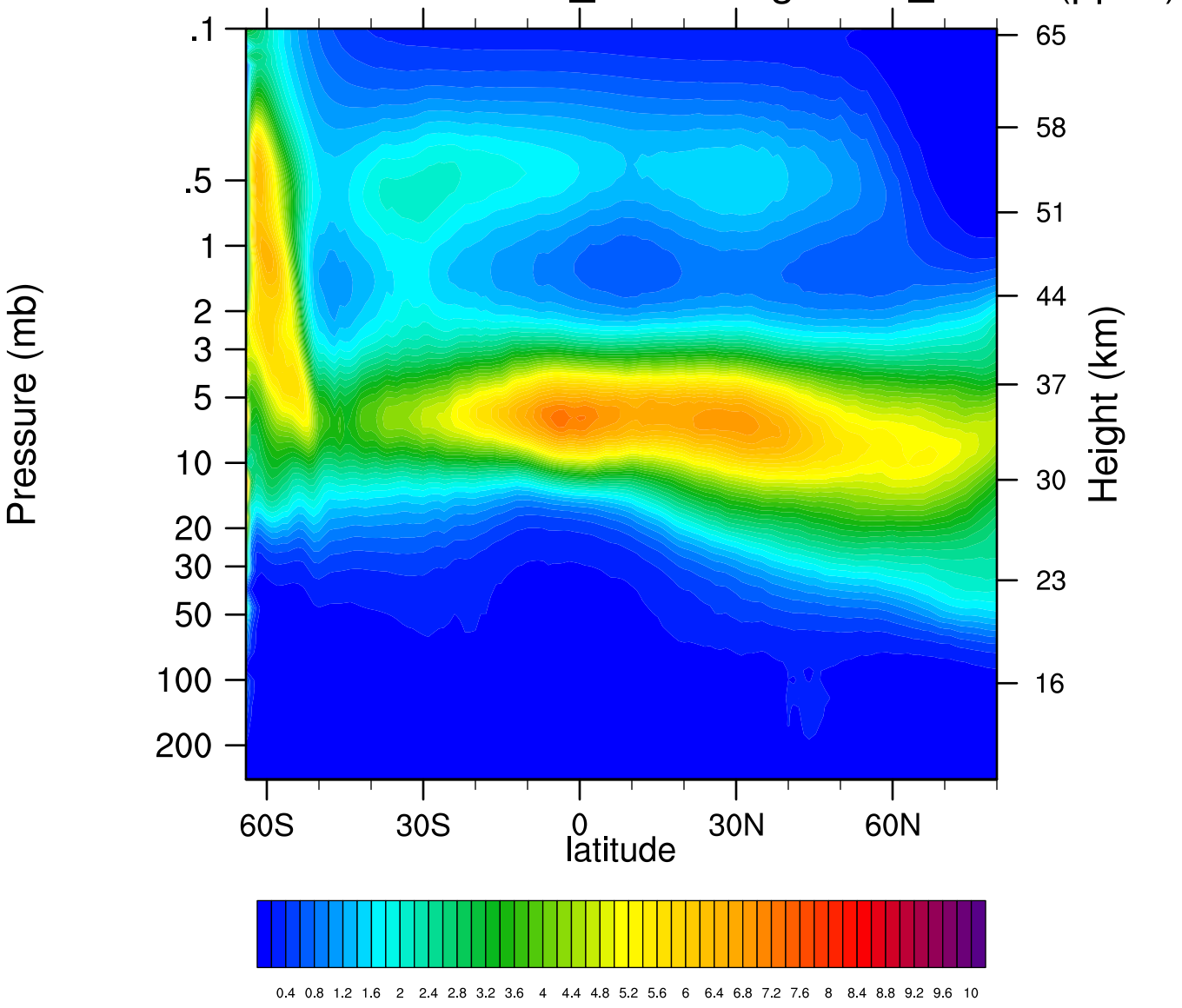

HIRDLSv7 2007d201 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

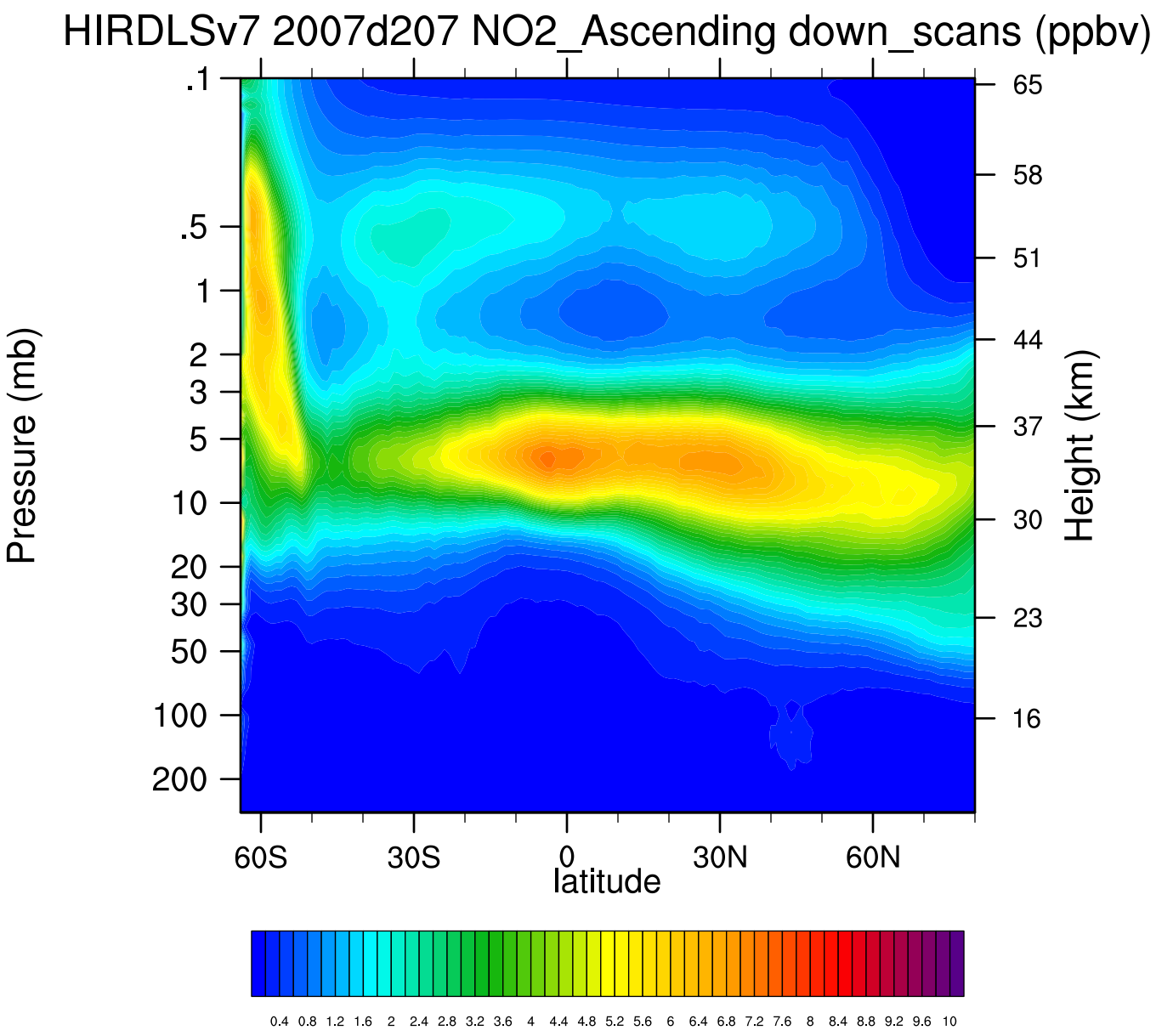

HIRDLSv7 2007d202 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

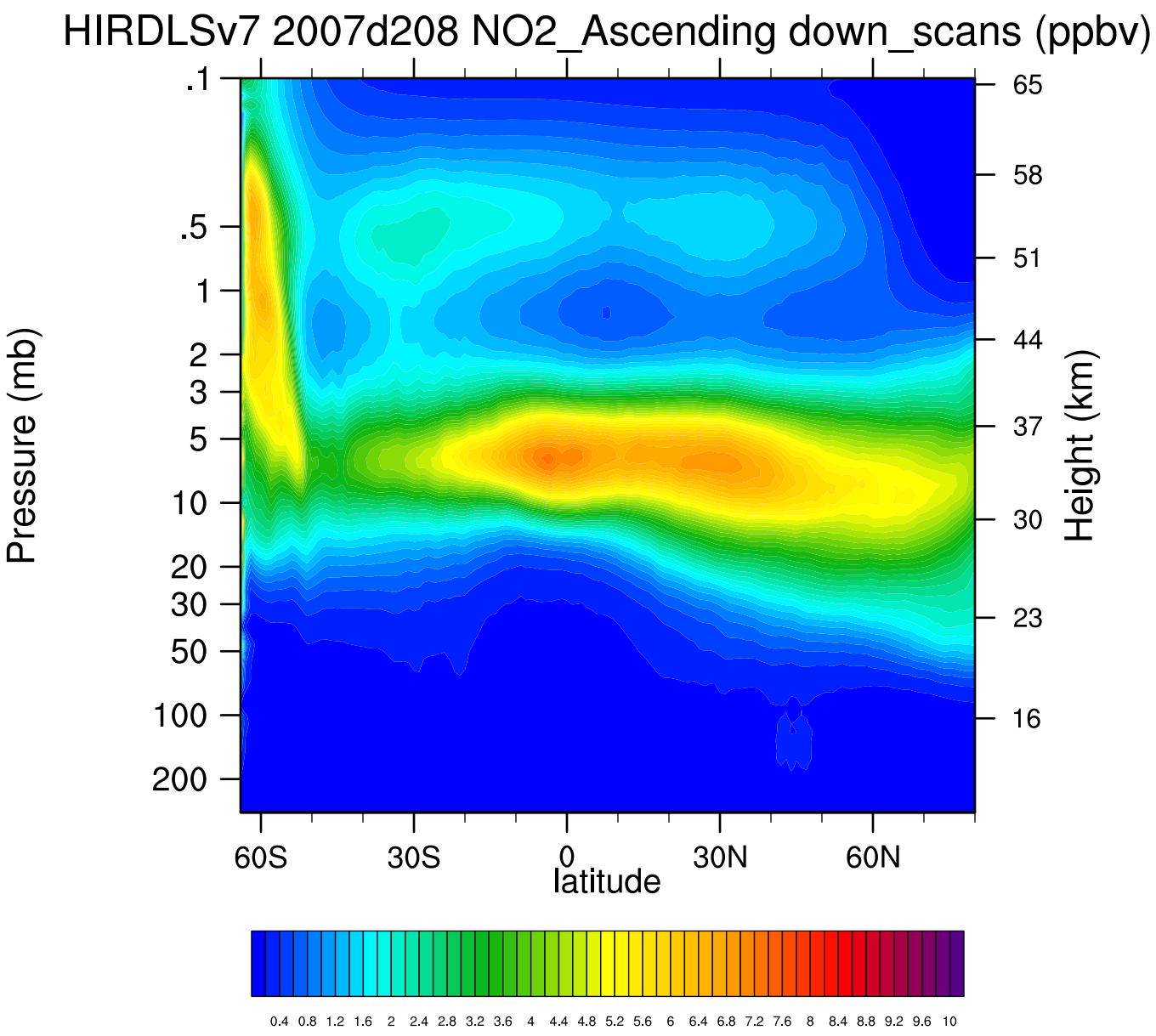

HIRDLSv7 2007d203 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

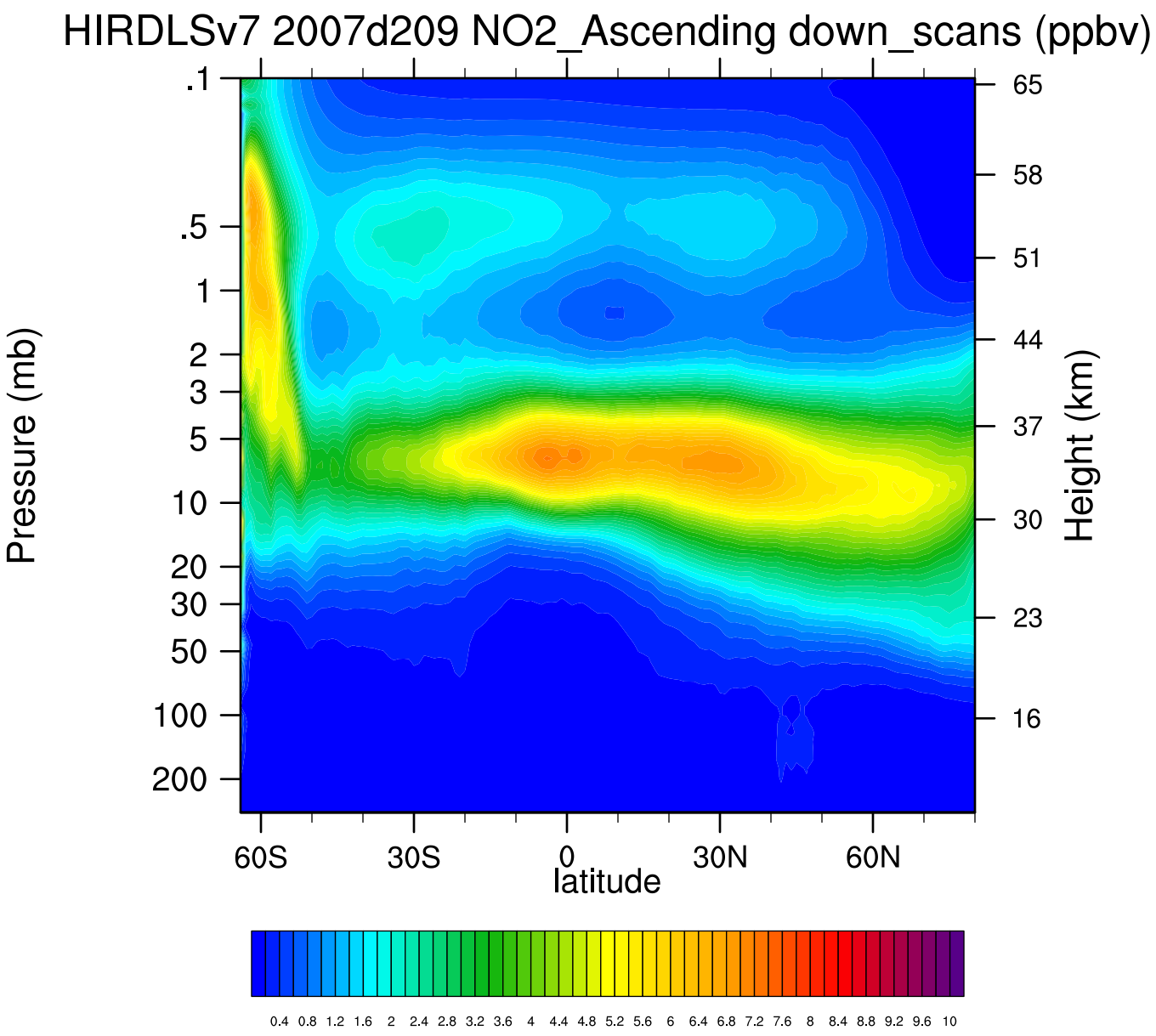

HIRDLSv7 2007d204 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

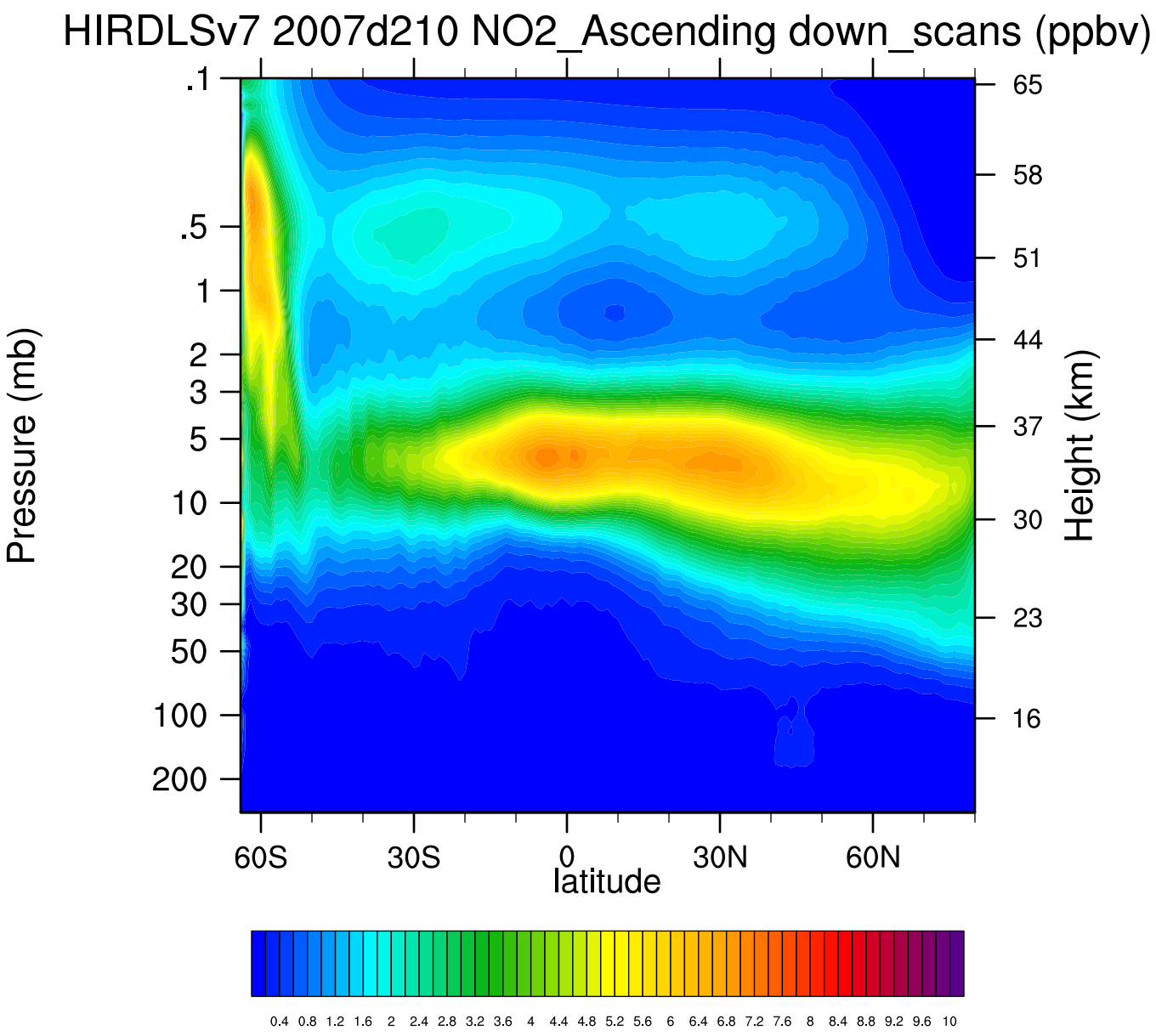

HIRDLSv7 2007d205 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

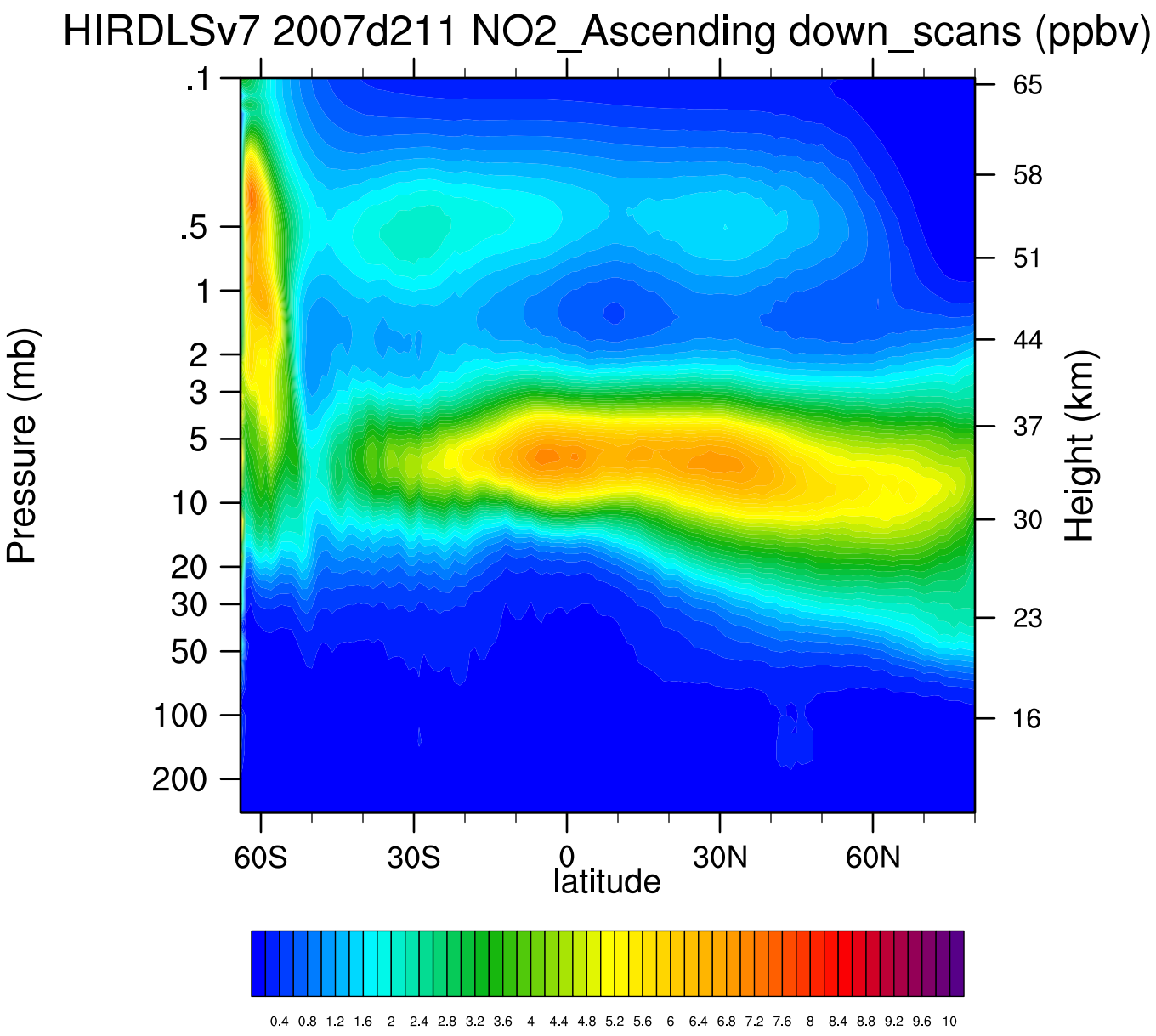

HIRDLSv7 2007d206 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

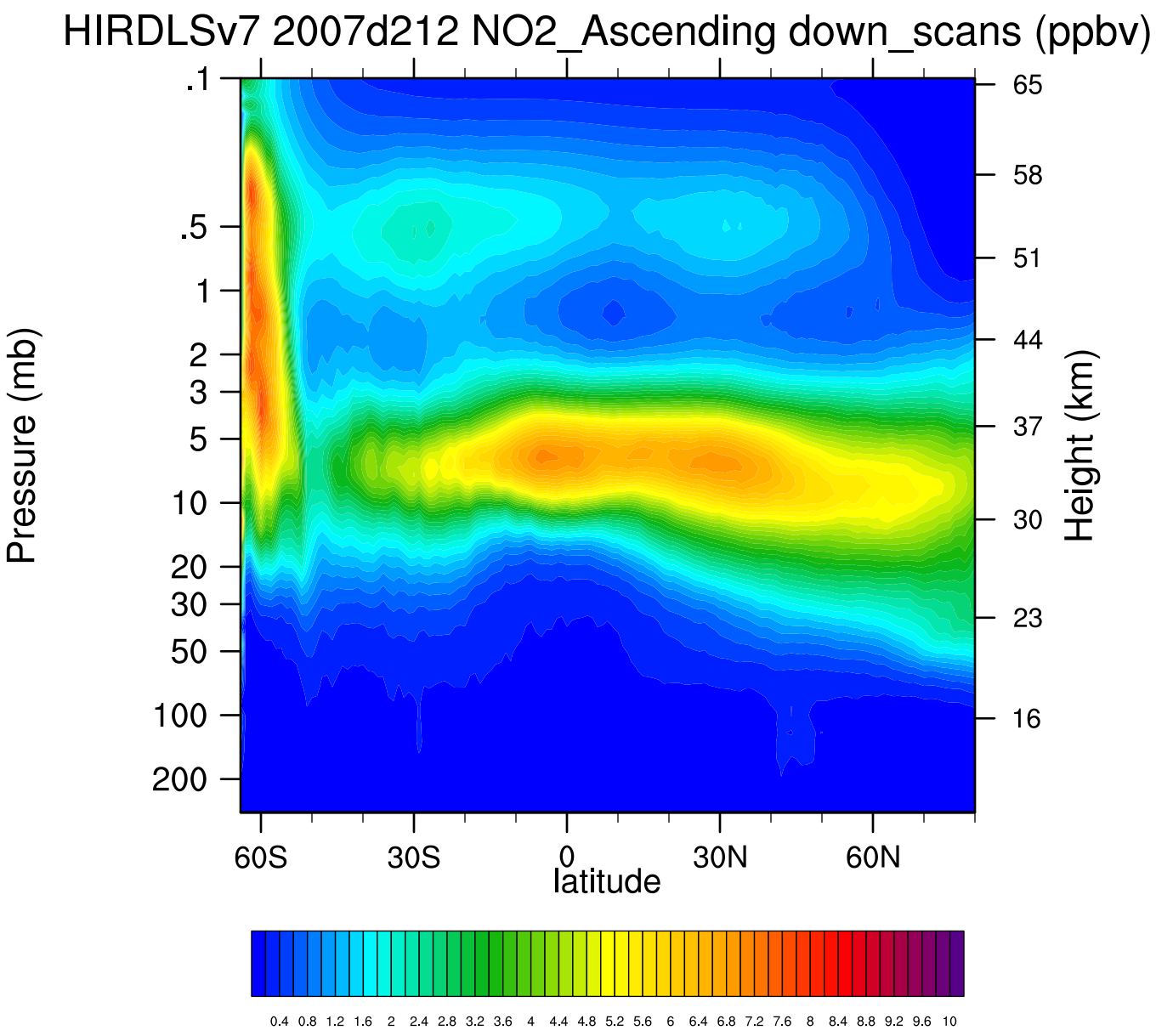

HIRDLSv7 2007d207 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

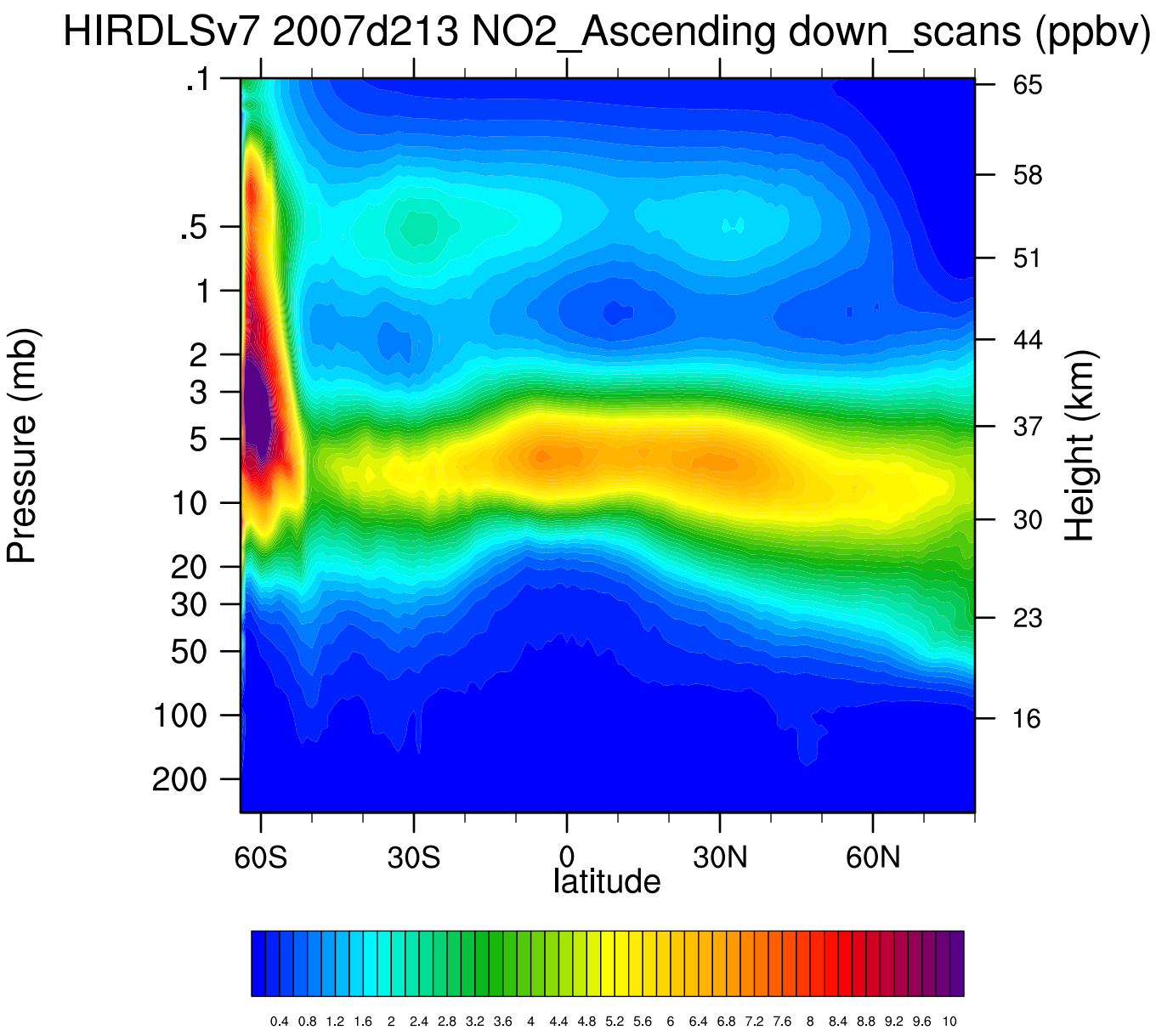

HIRDLSv7 2007d208 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

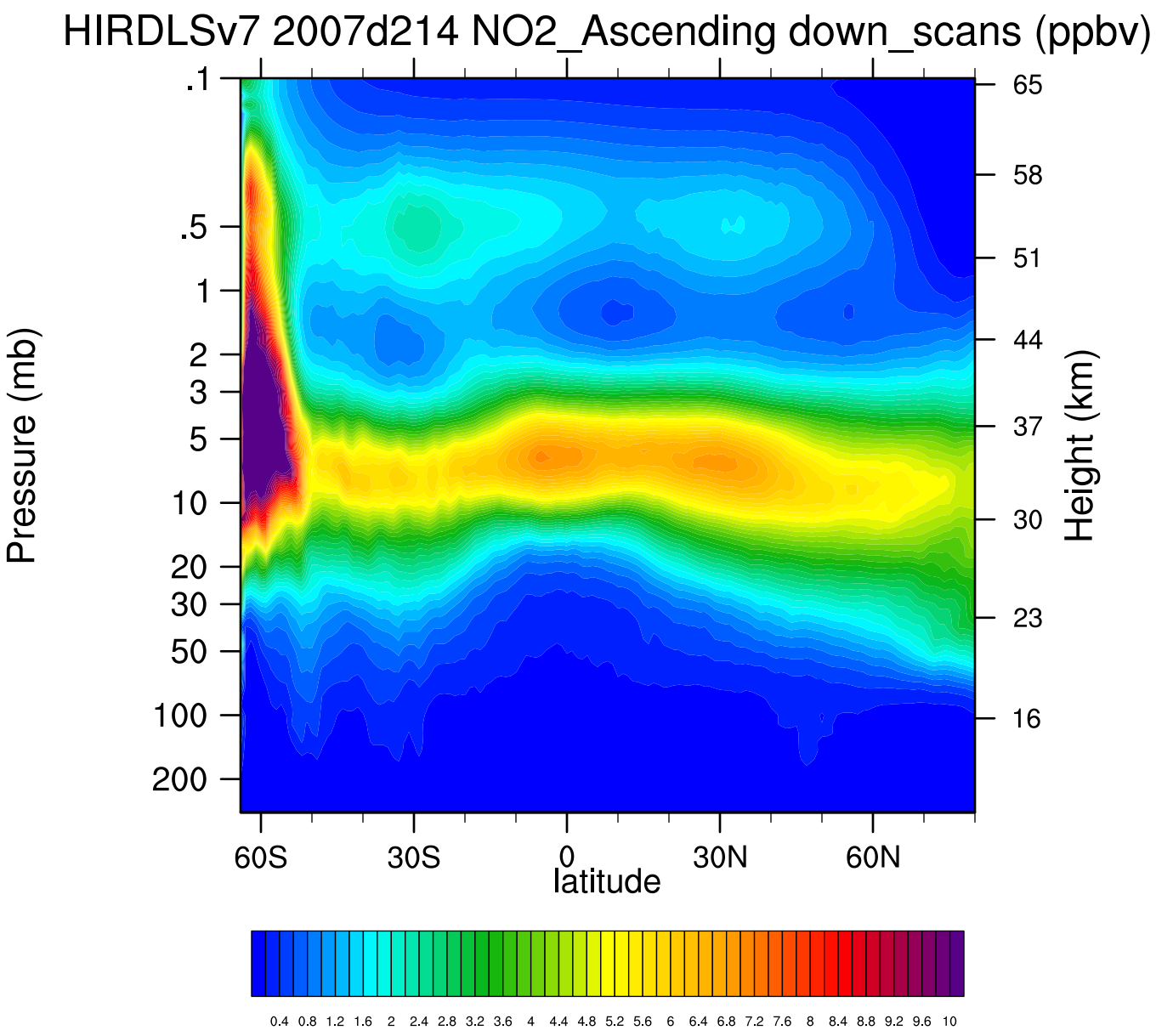

HIRDLSv7 2007d209 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

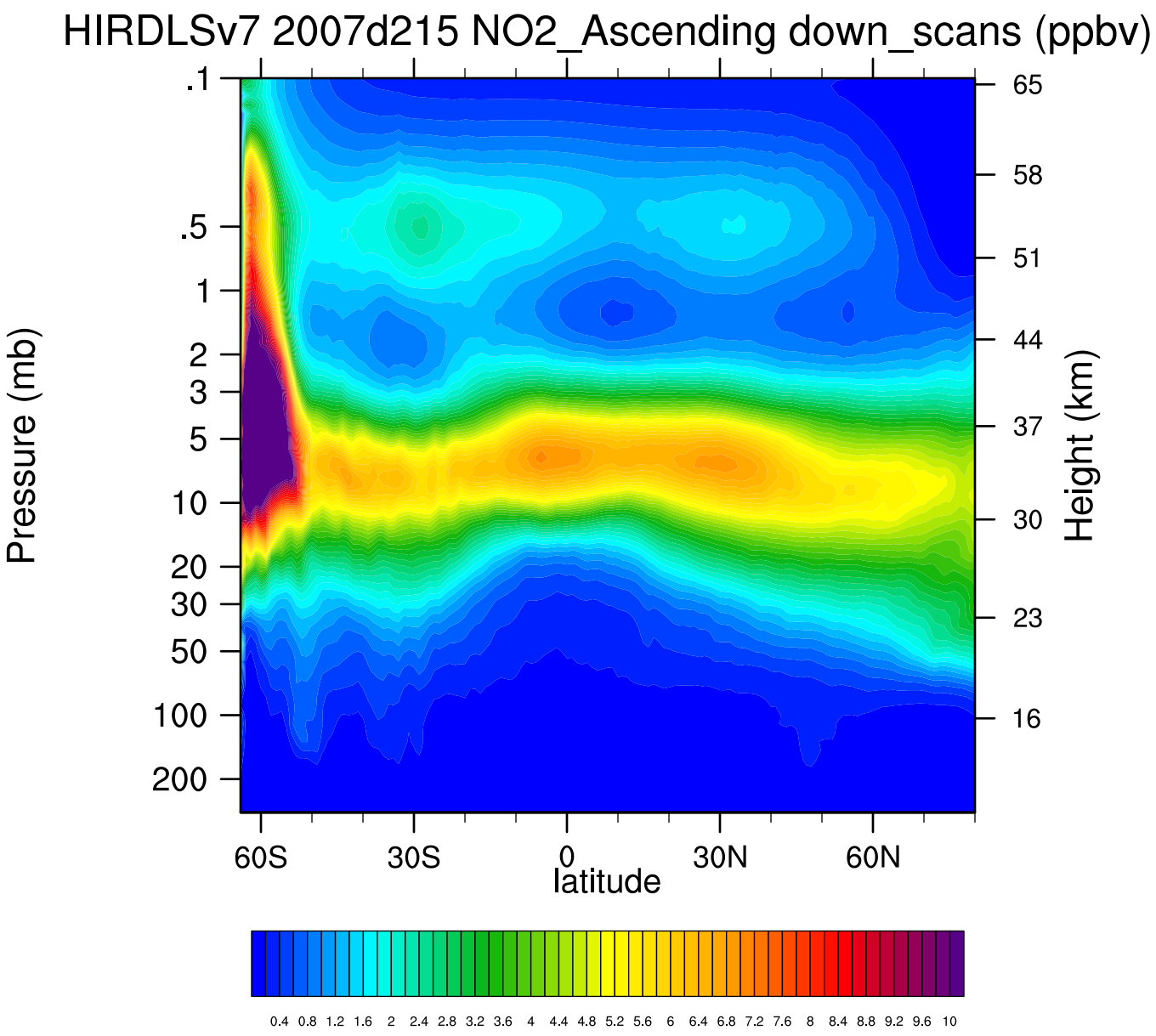

HIRDLSv7 2007d210 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

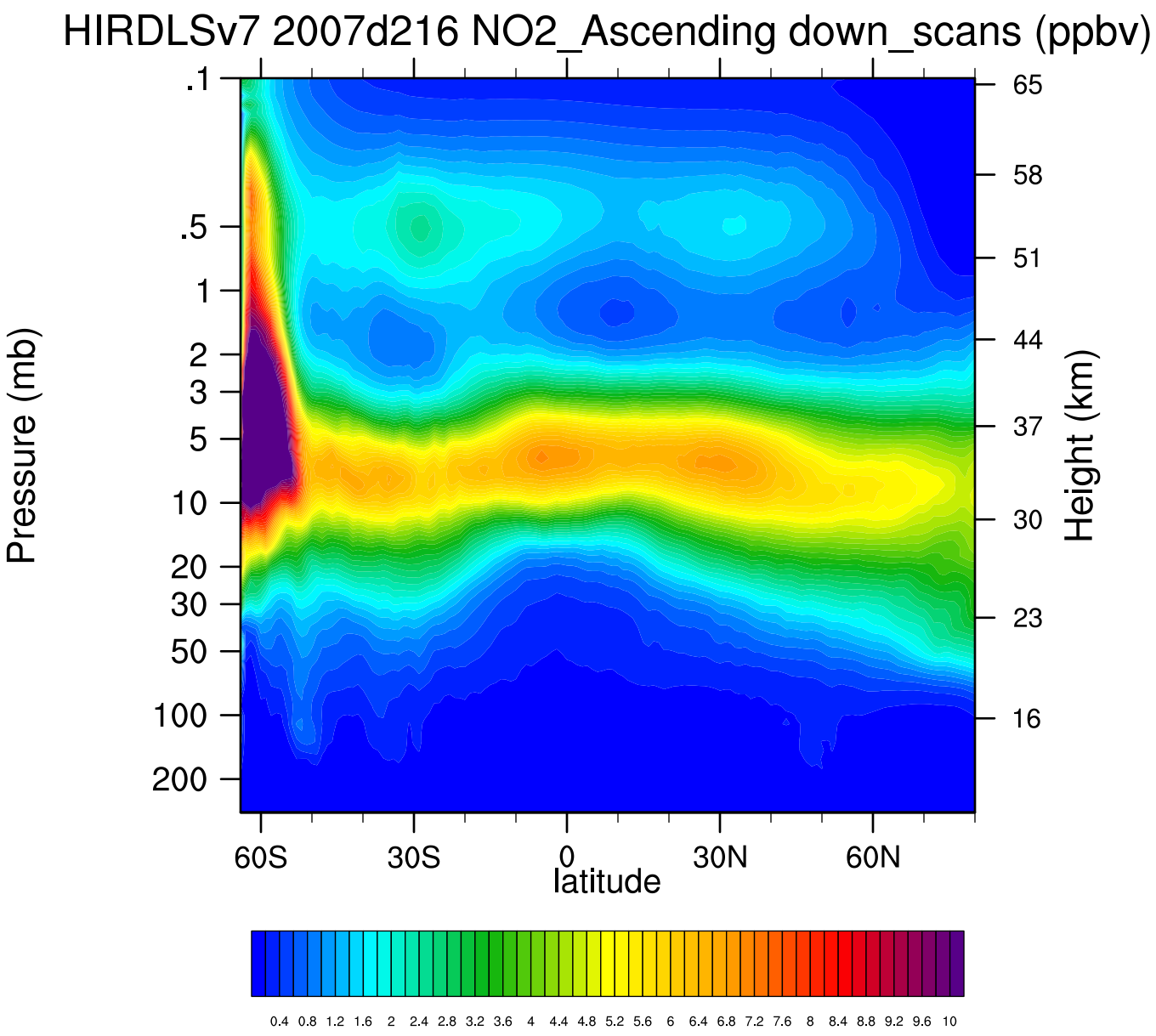

HIRDLSv7 2007d211 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

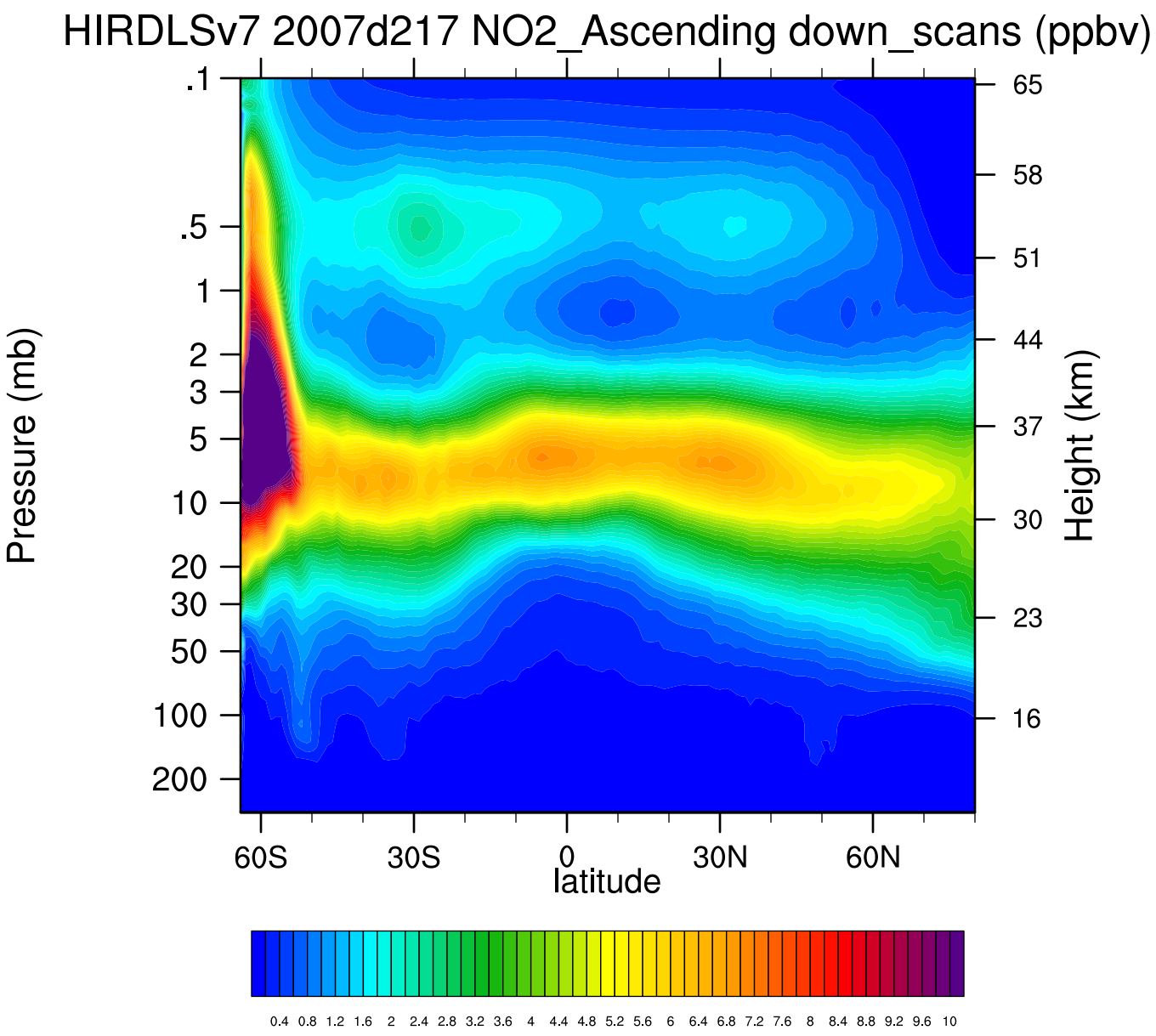

HIRDLSv7 2007d212 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

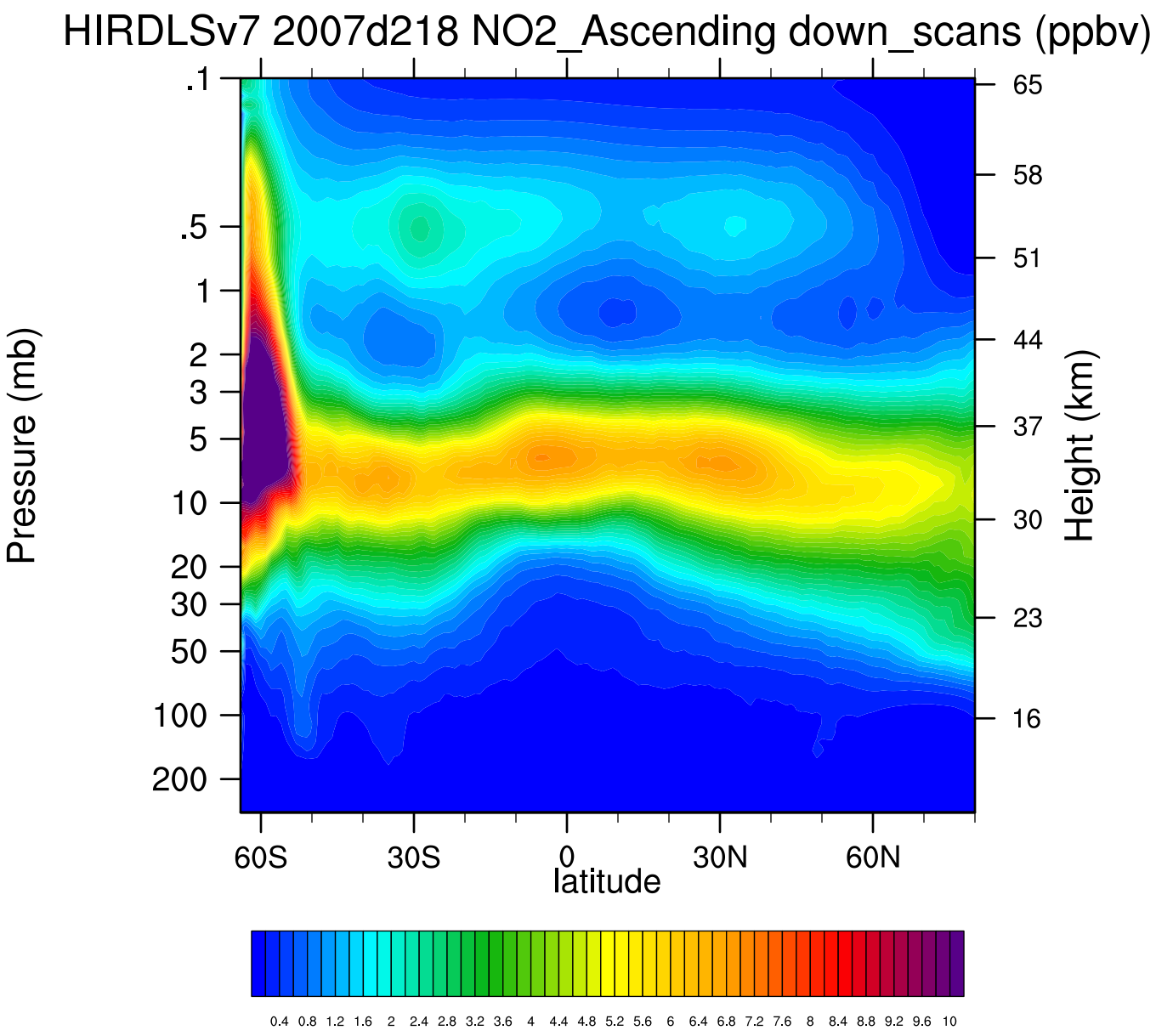

HIRDLSv7 2007d213 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

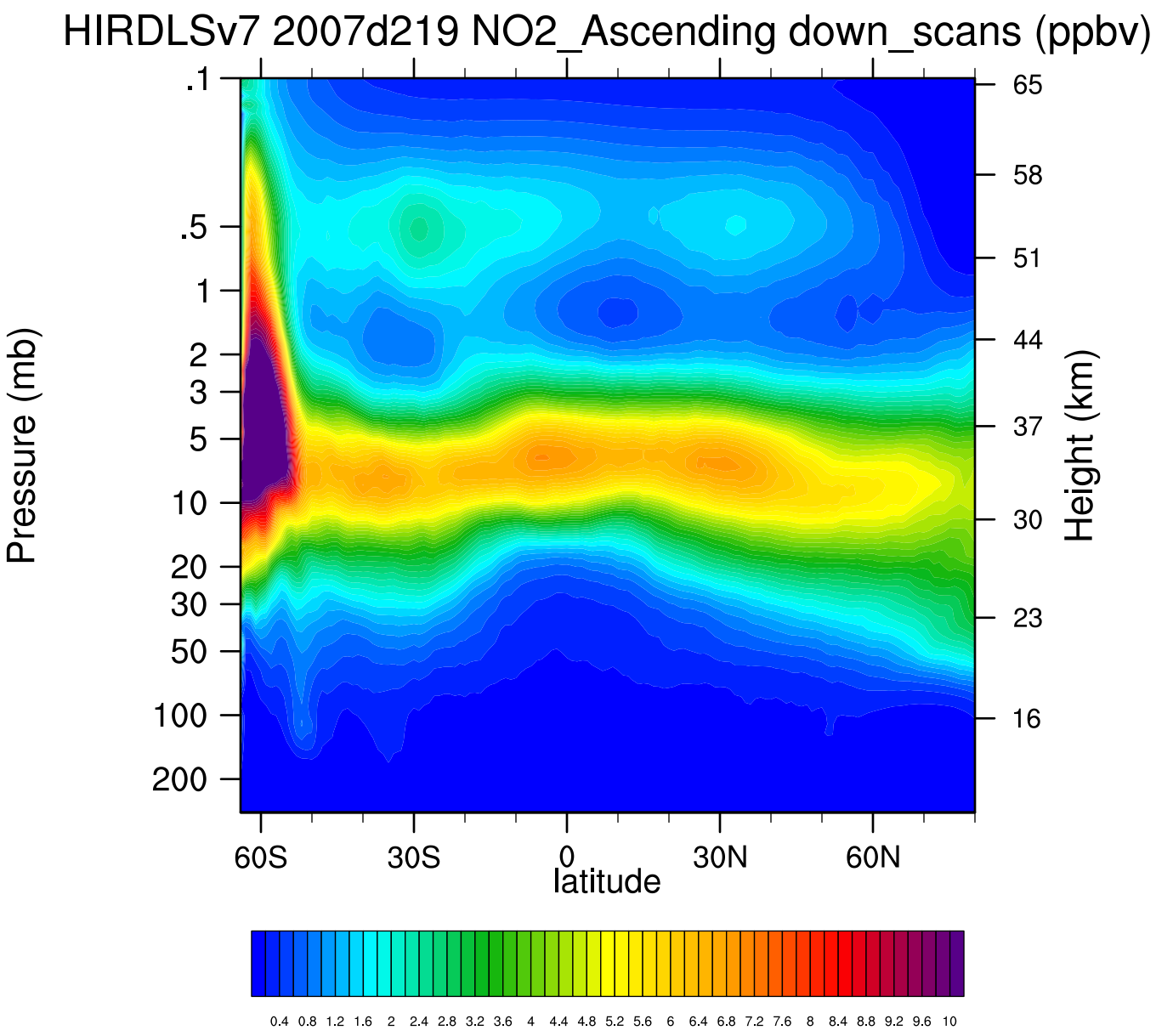

HIRDLSv7 2007d214 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

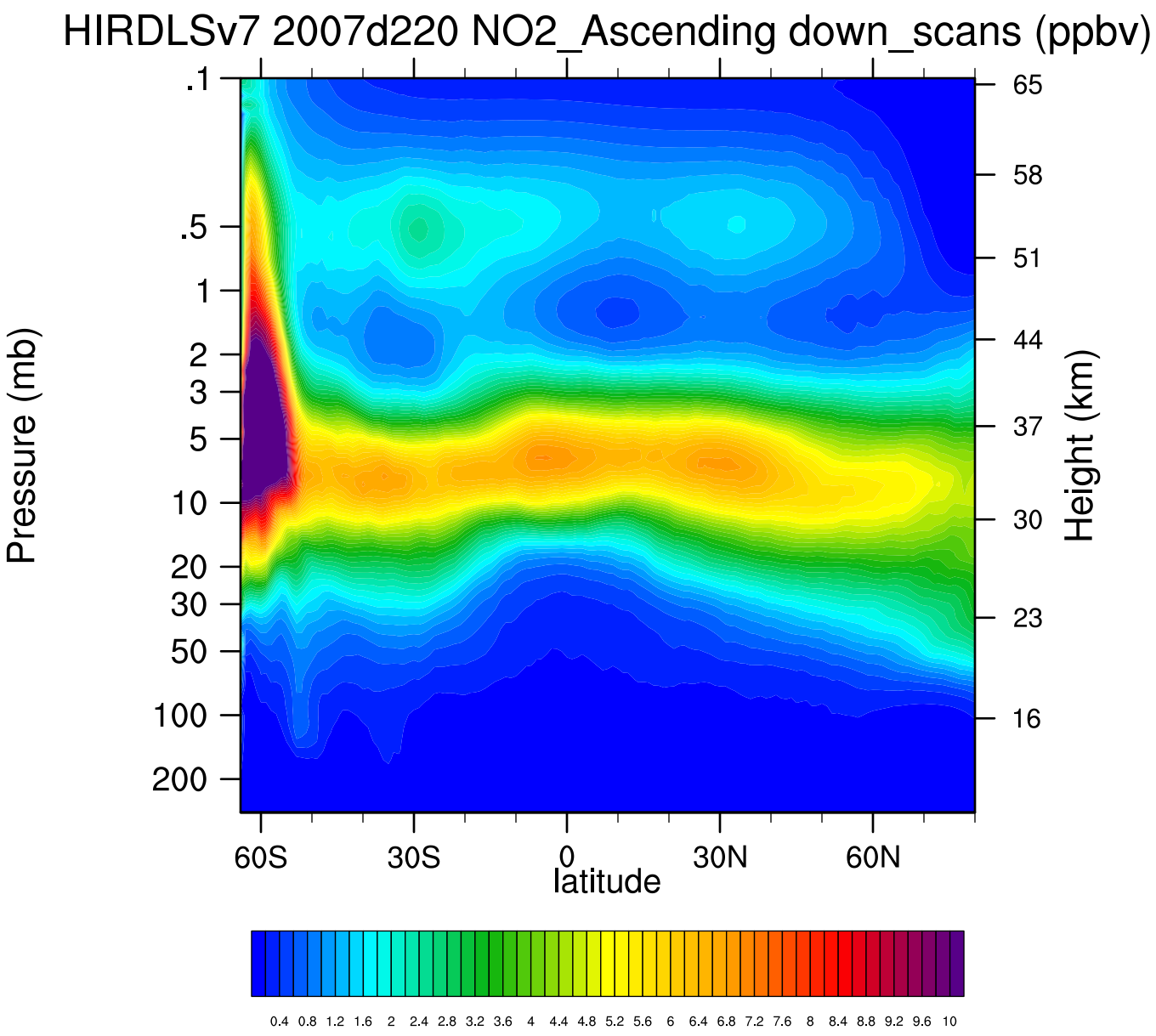

HIRDLSv7 2007d215 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

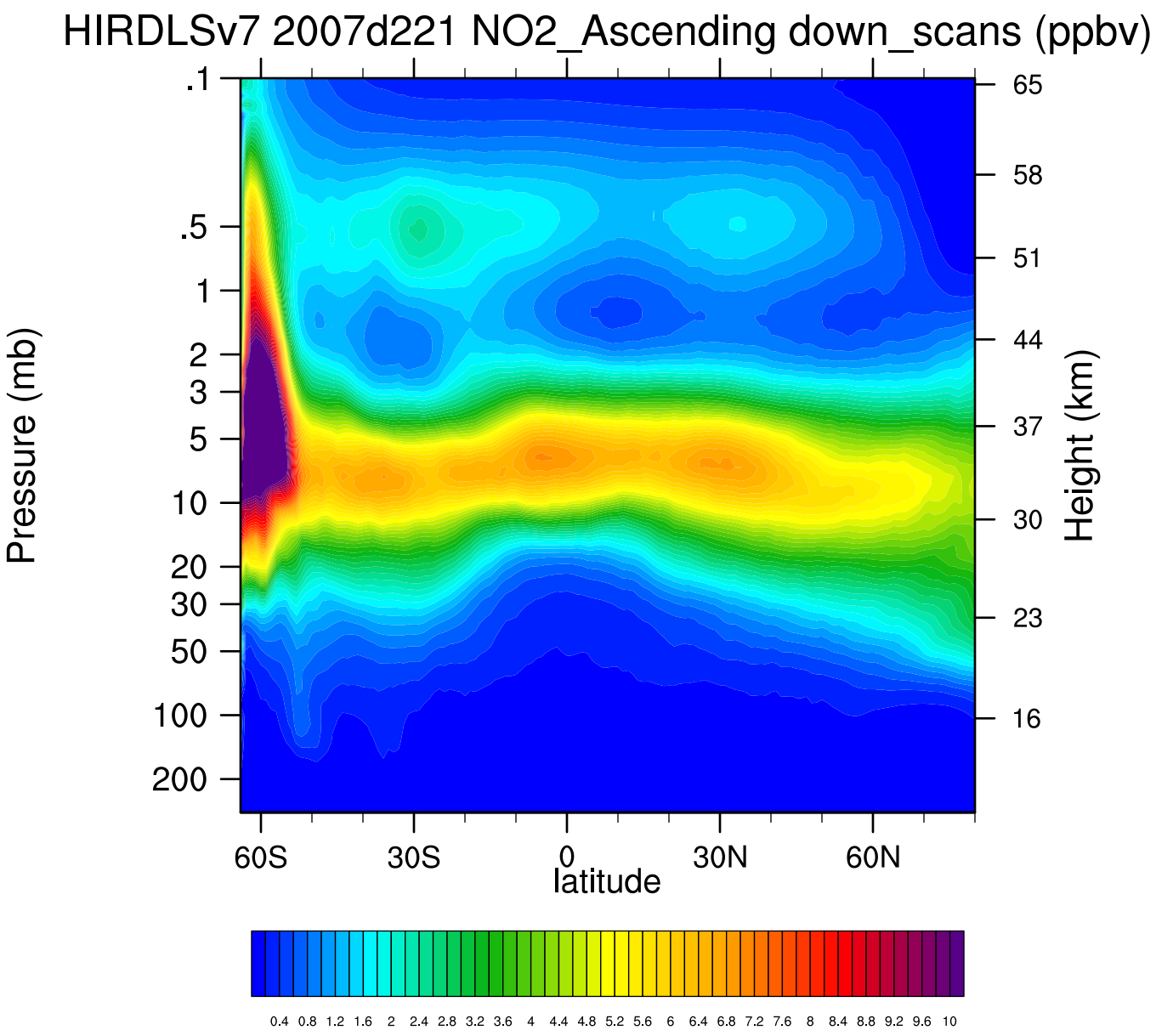

HIRDLSv7 2007d216 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

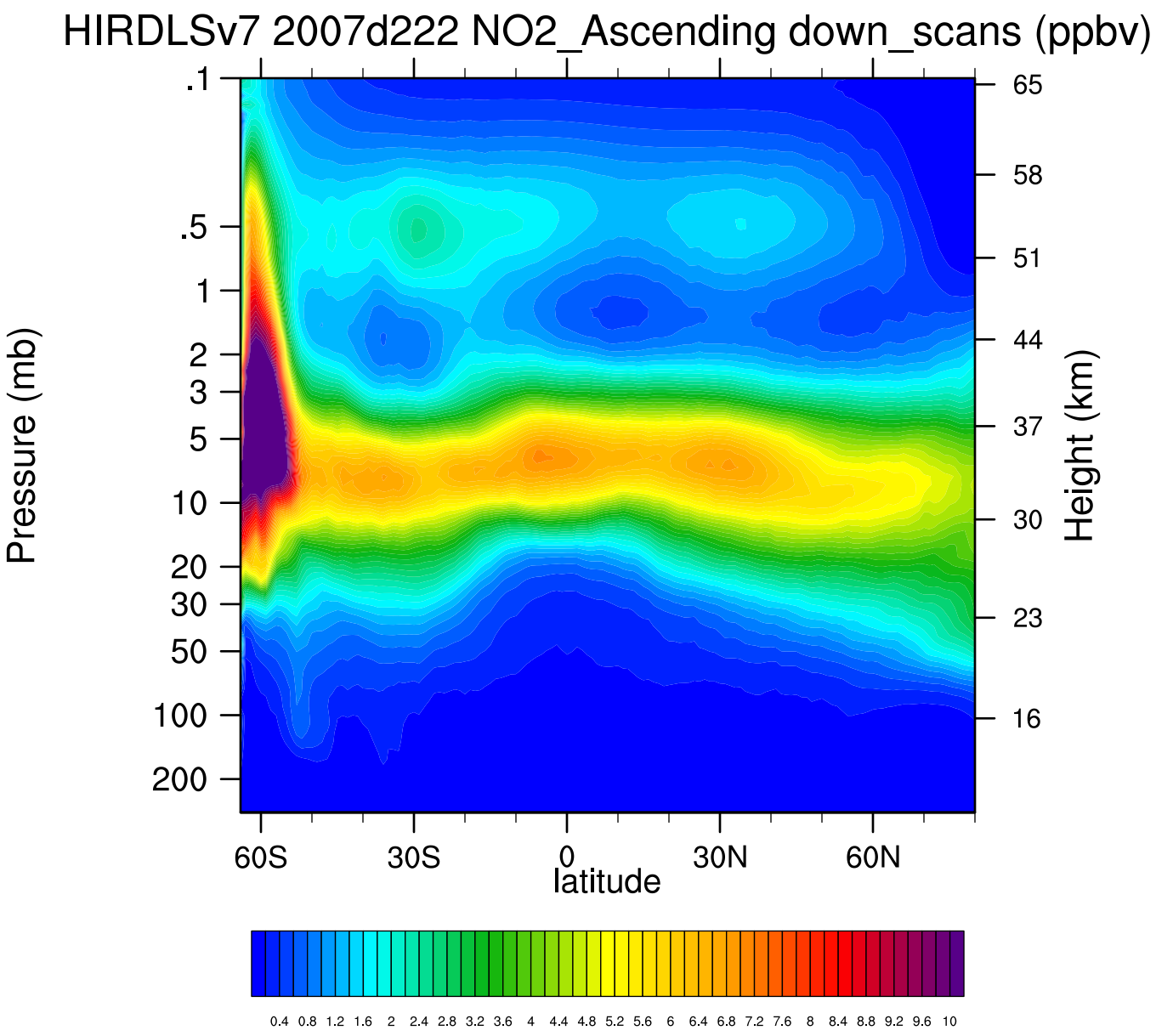

HIRDLSv7 2007d217 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

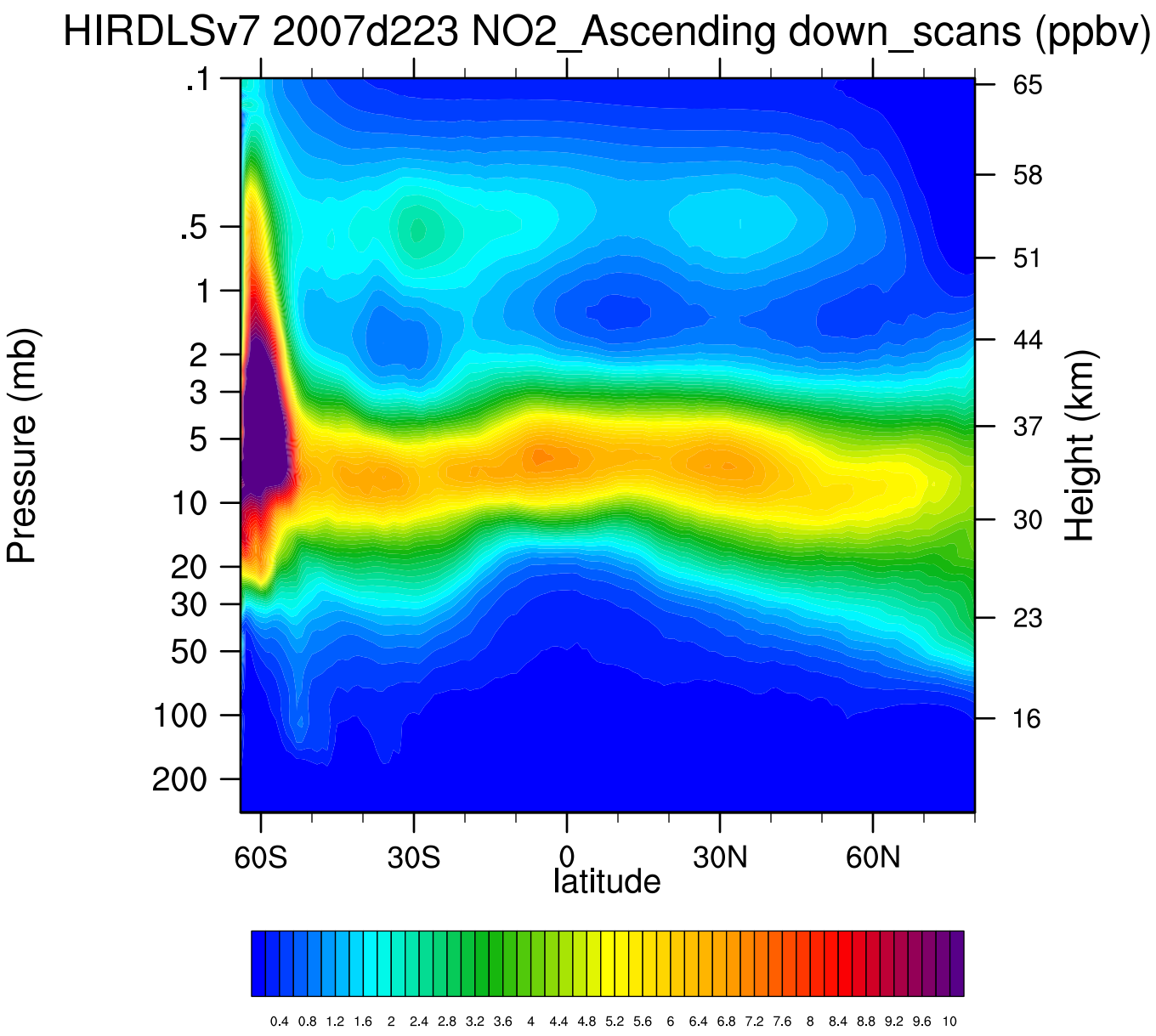

HIRDLSv7 2007d218 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

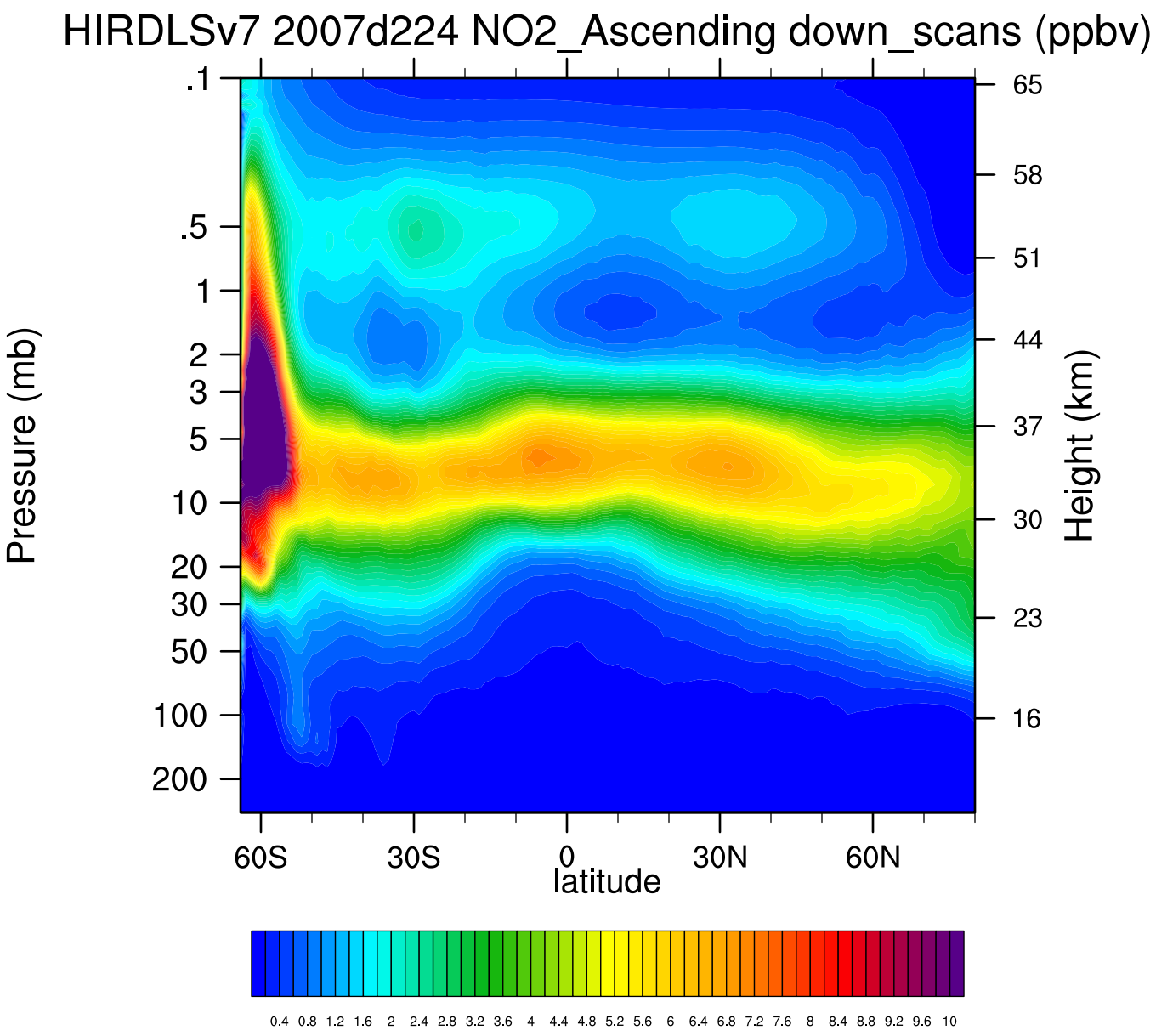

HIRDLSv7 2007d219 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

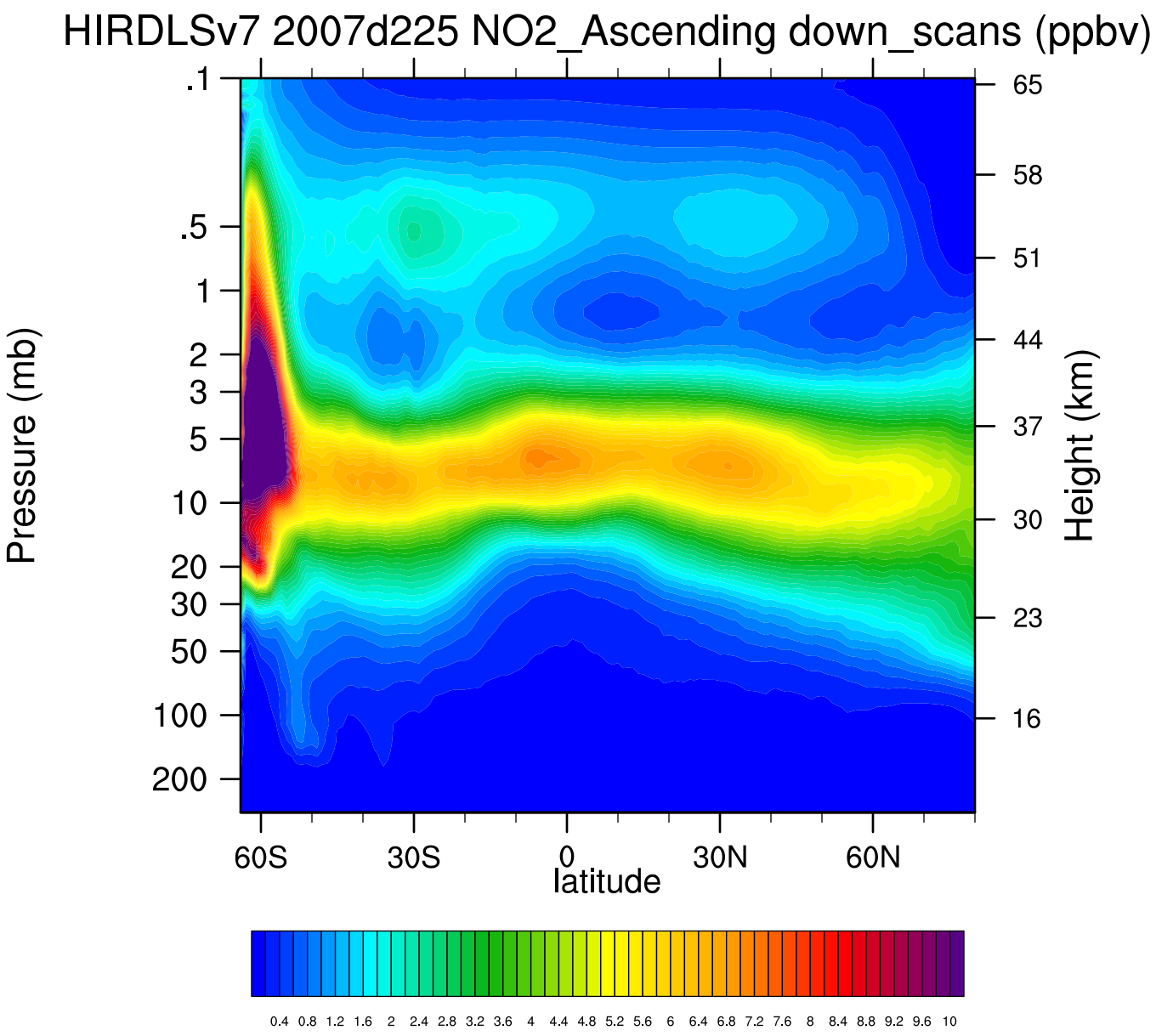

HIRDLSv7 2007d220 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

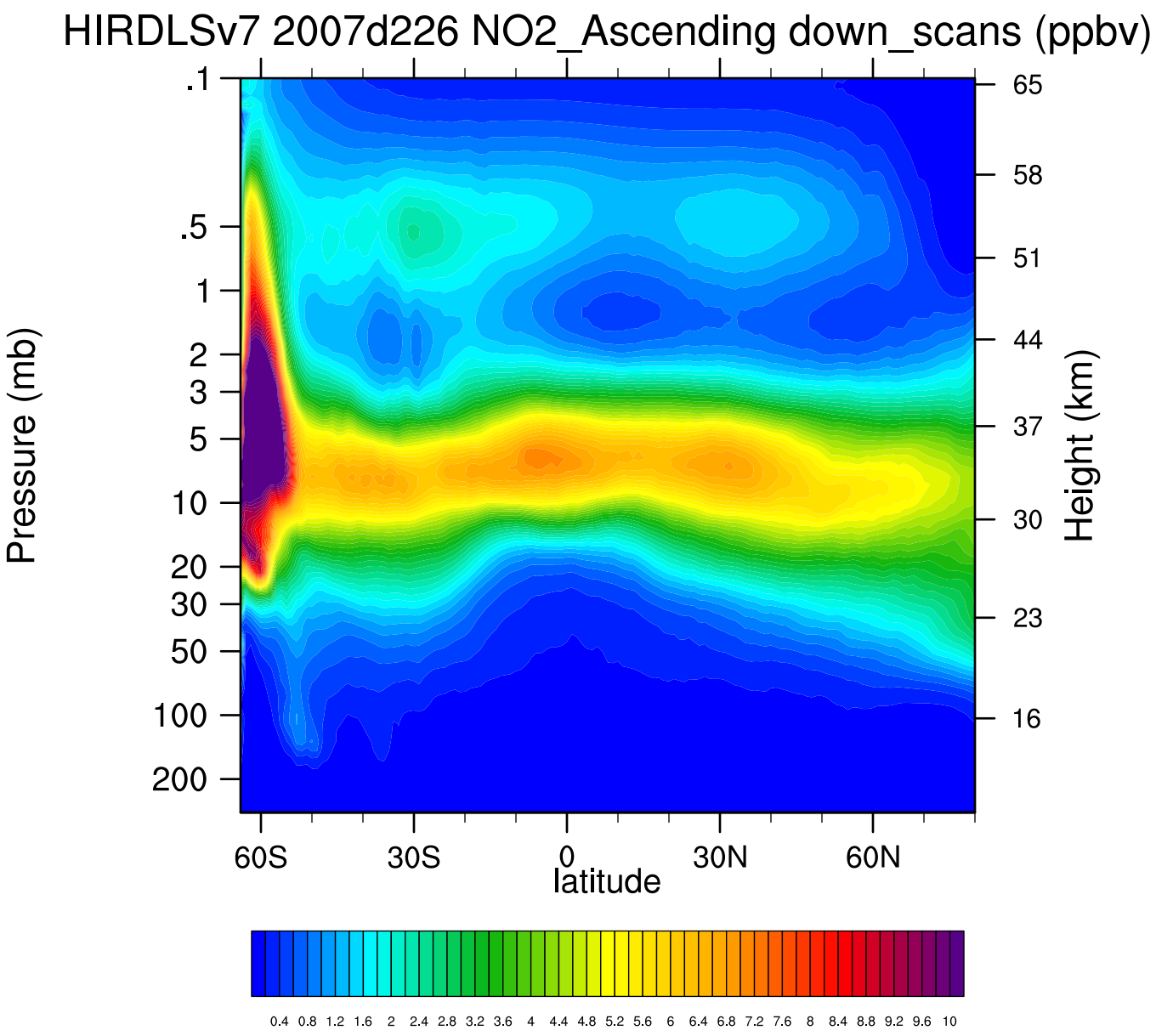

HIRDLSv7 2007d221 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

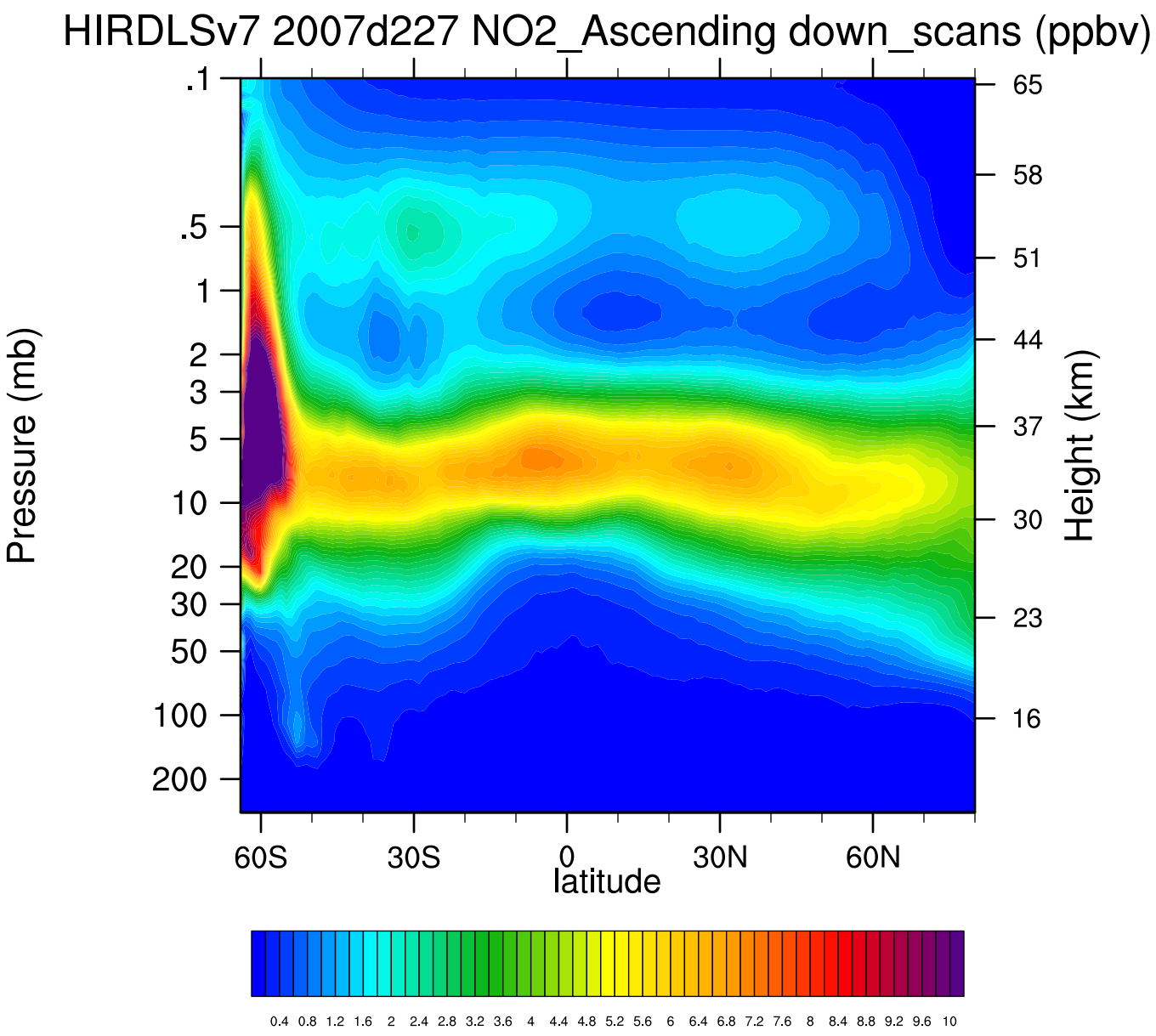

HIRDLSv7 2007d222 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

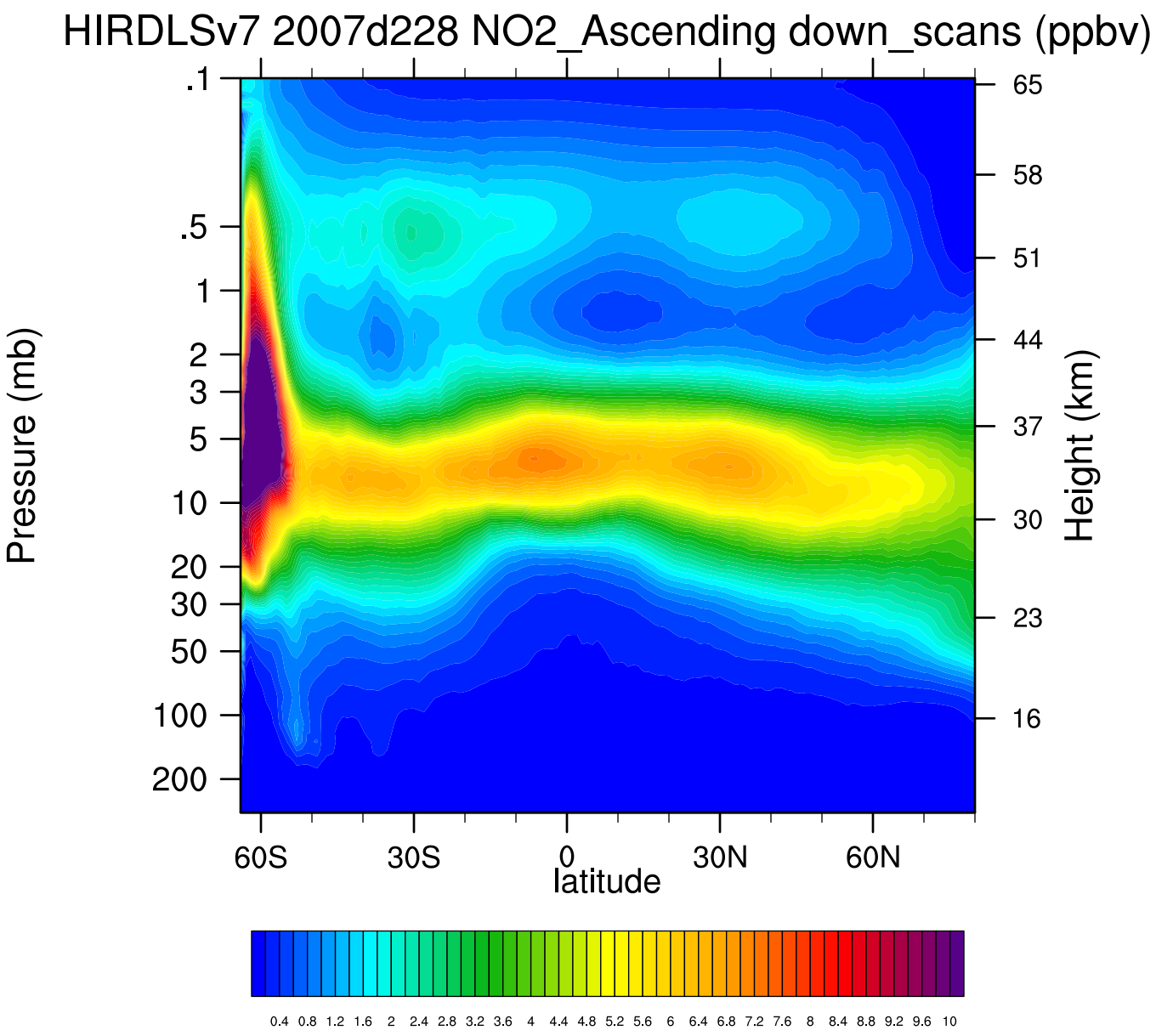

HIRDLSv7 2007d223 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

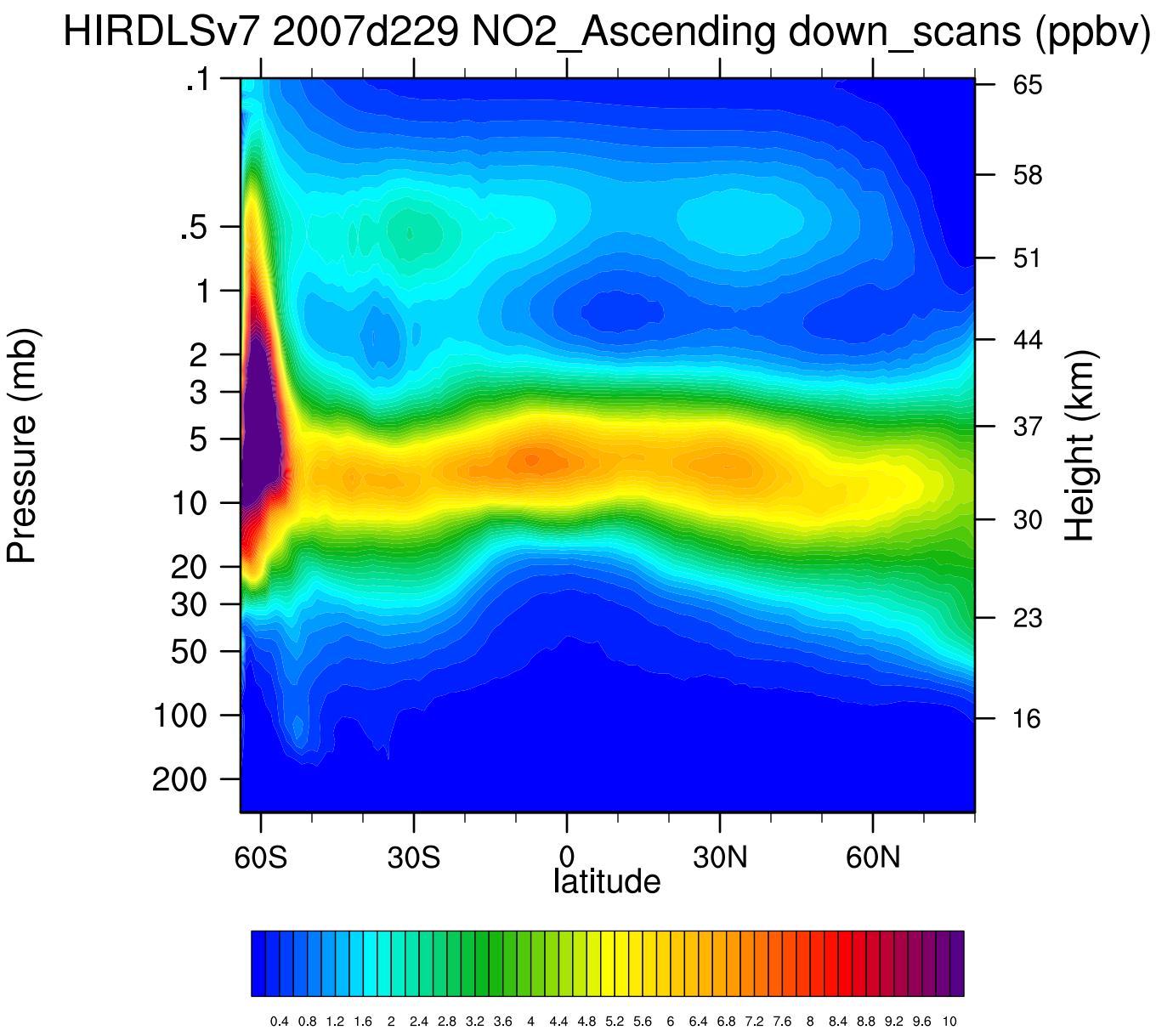

HIRDLSv7 2007d224 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

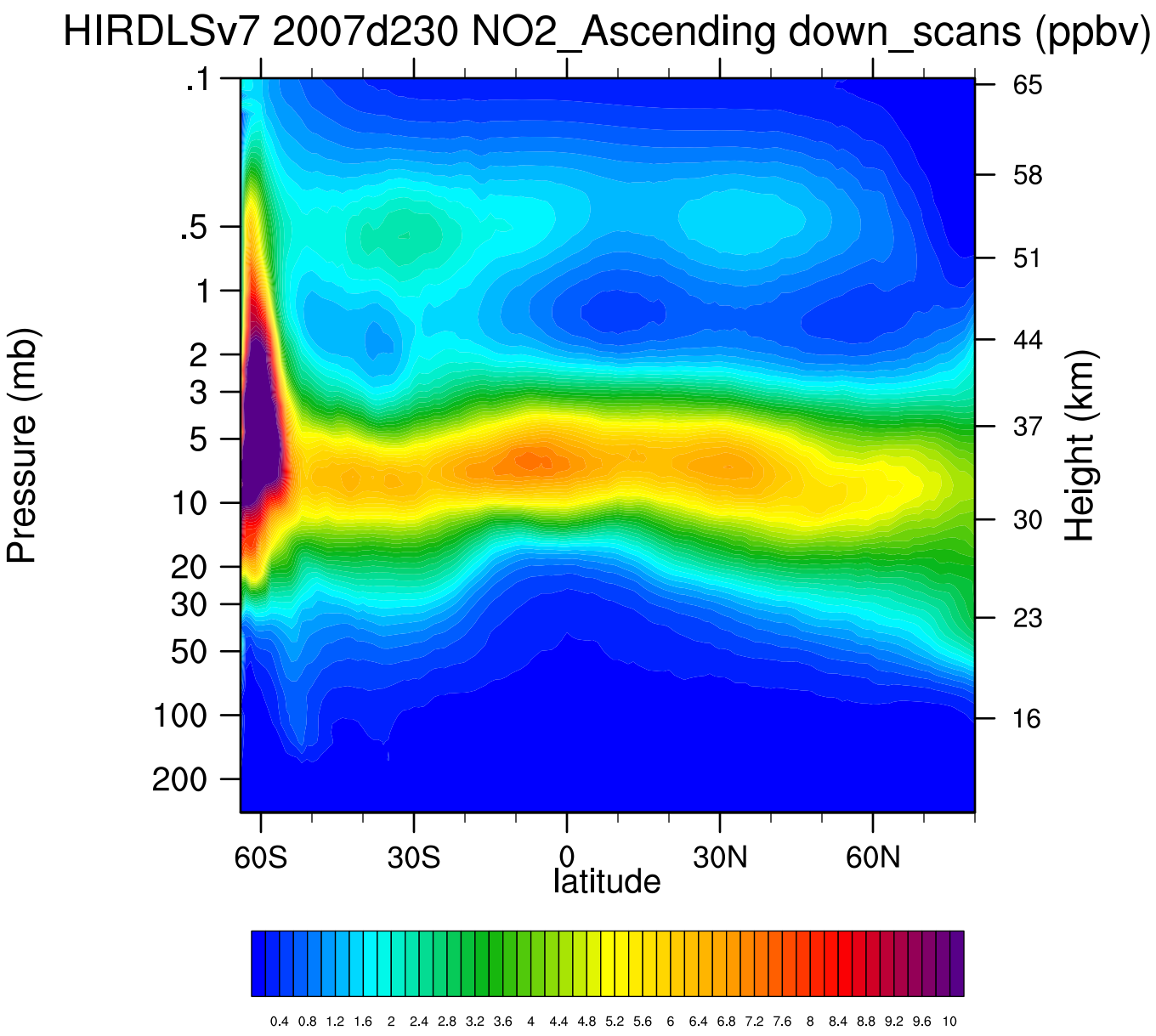

HIRDLSv7 2007d225 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

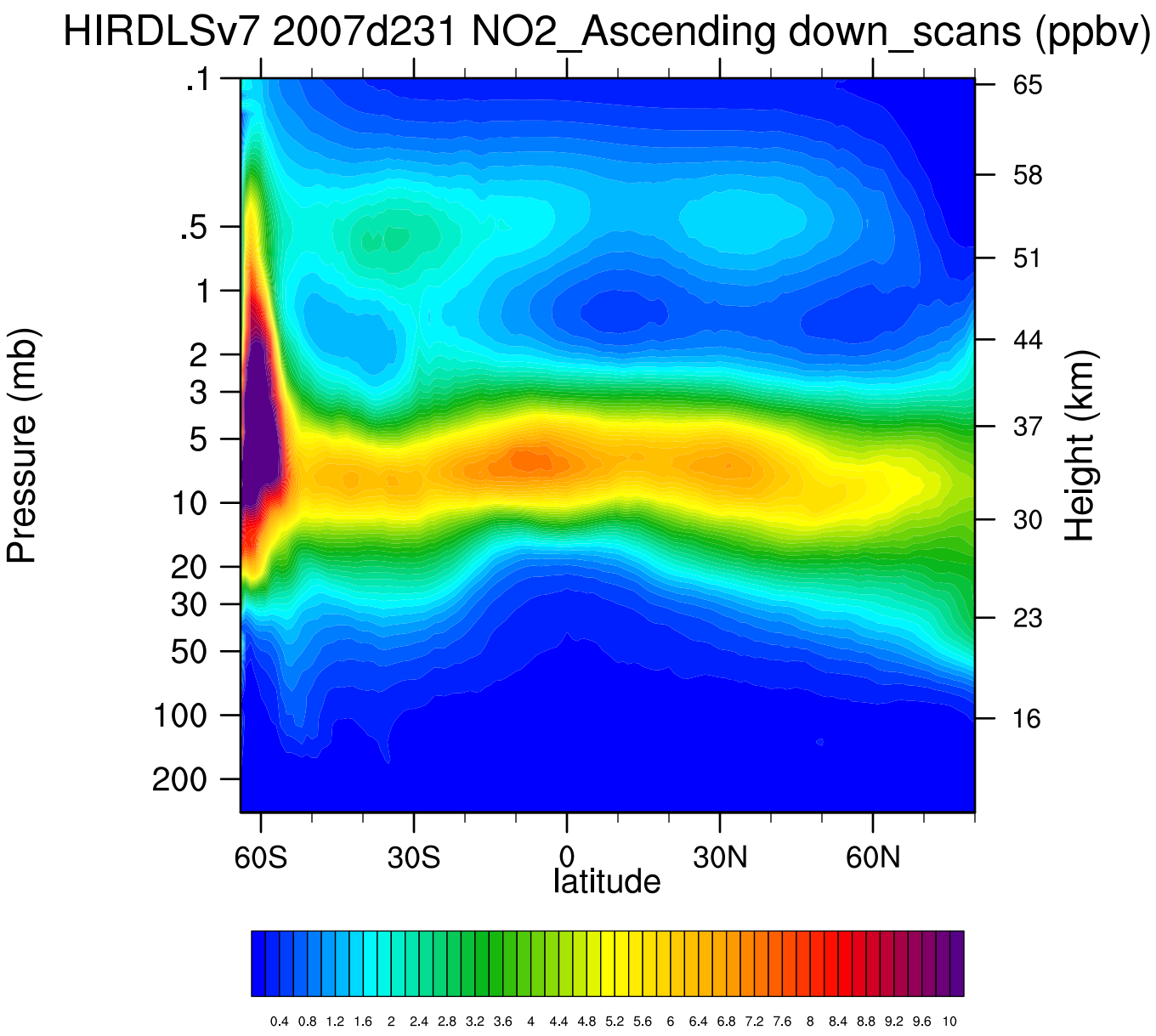

HIRDLSv7 2007d226 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

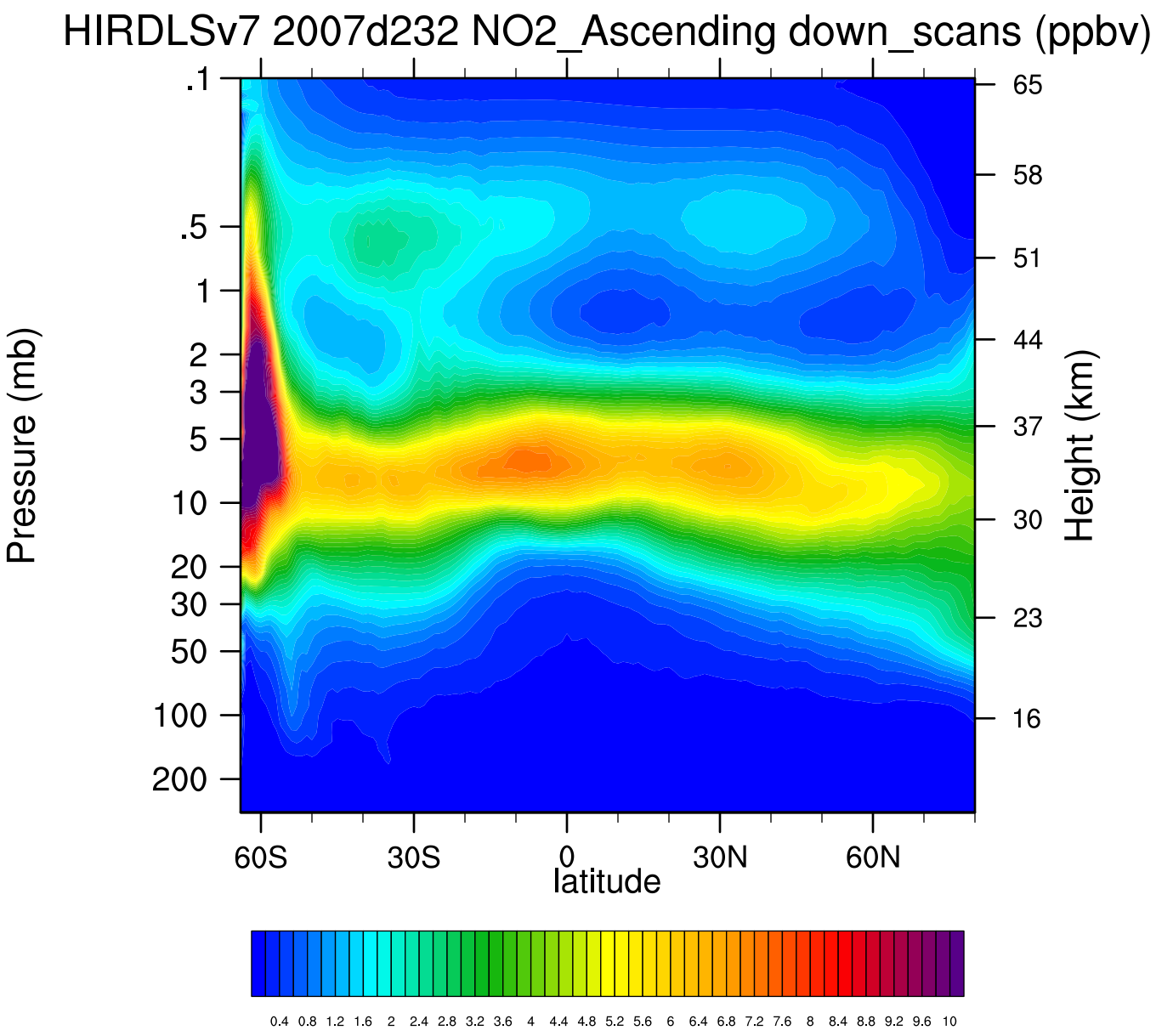

HIRDLSv7 2007d227 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

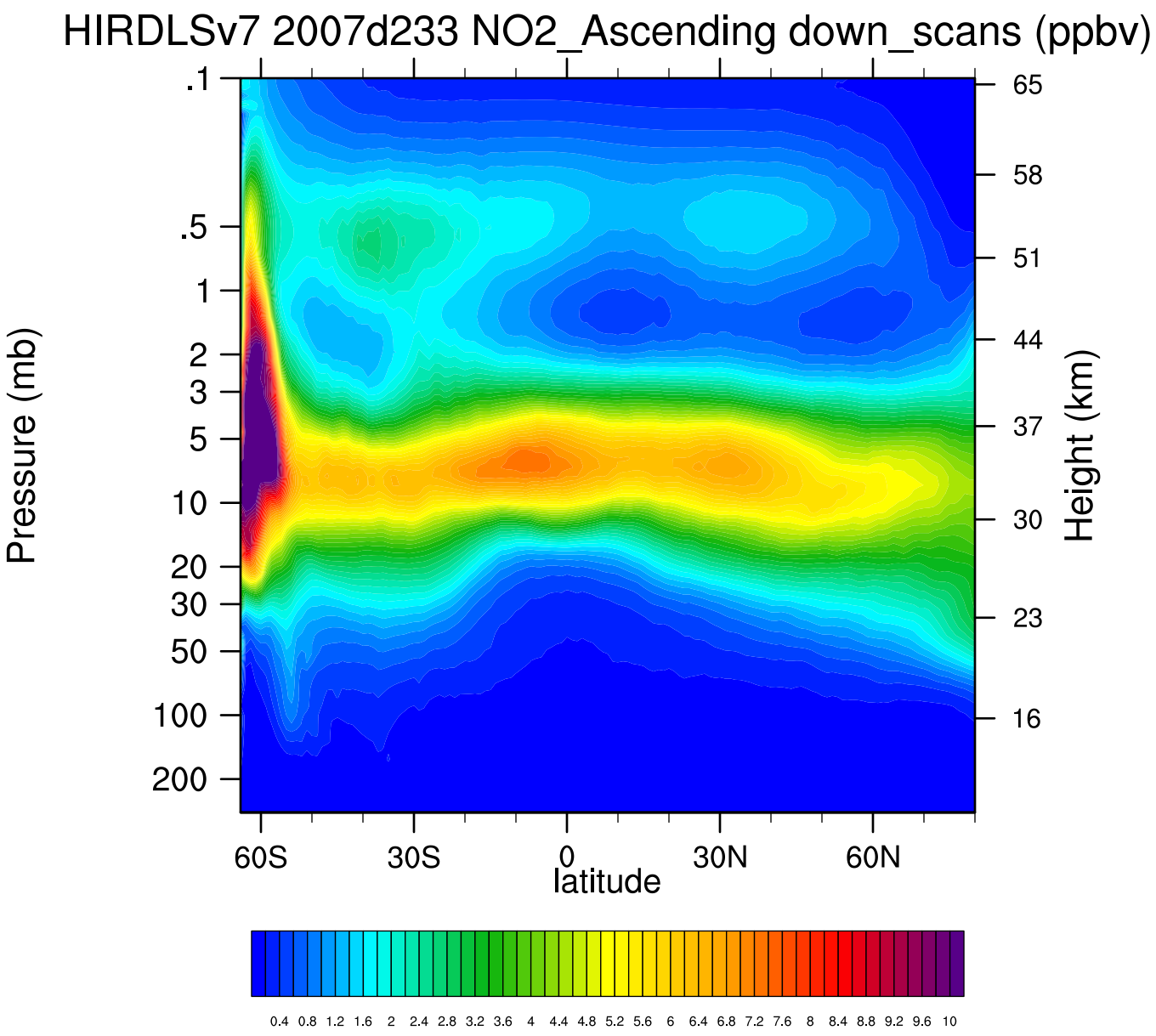

HIRDLSv7 2007d228 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

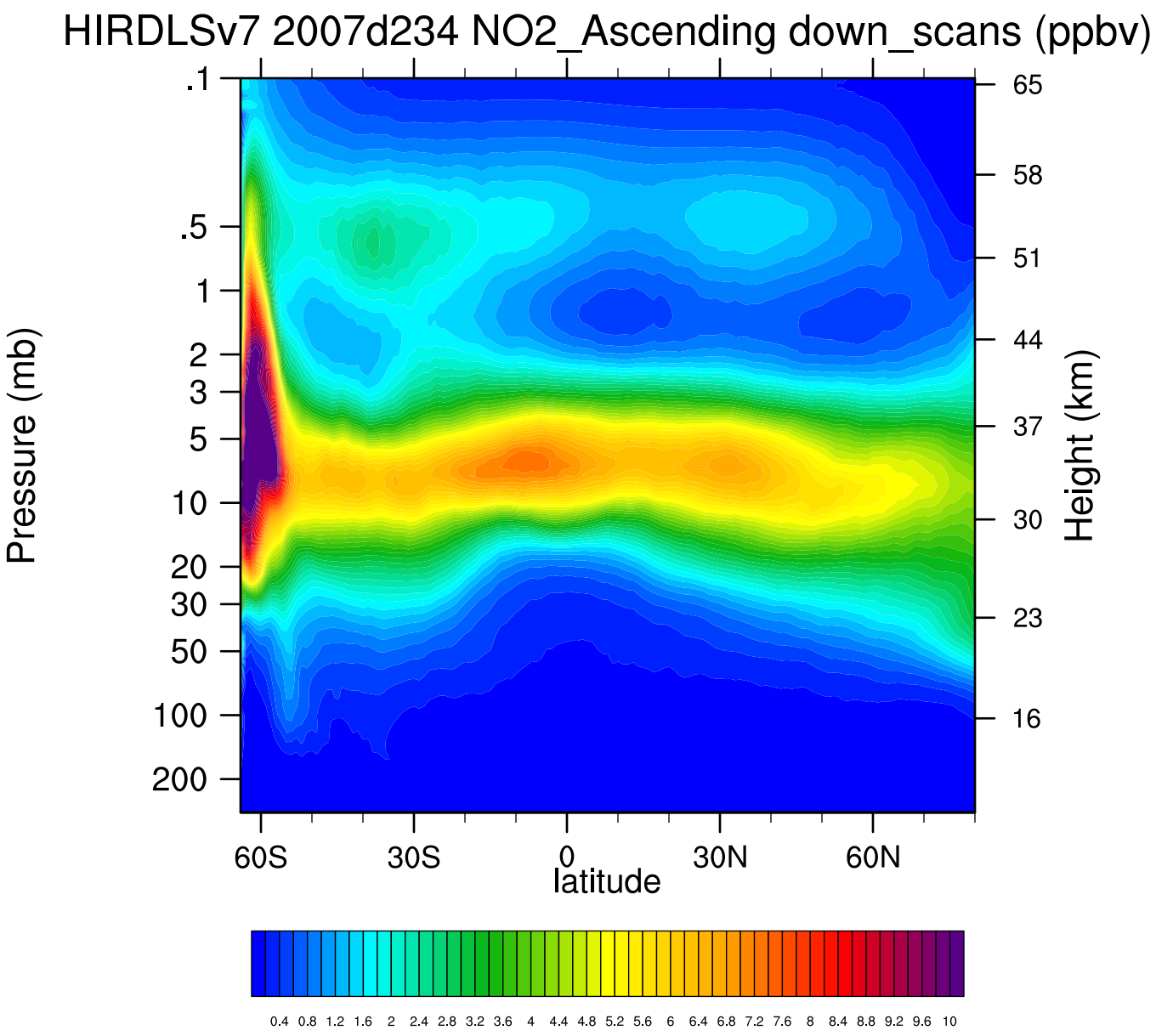

HIRDLSv7 2007d229 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

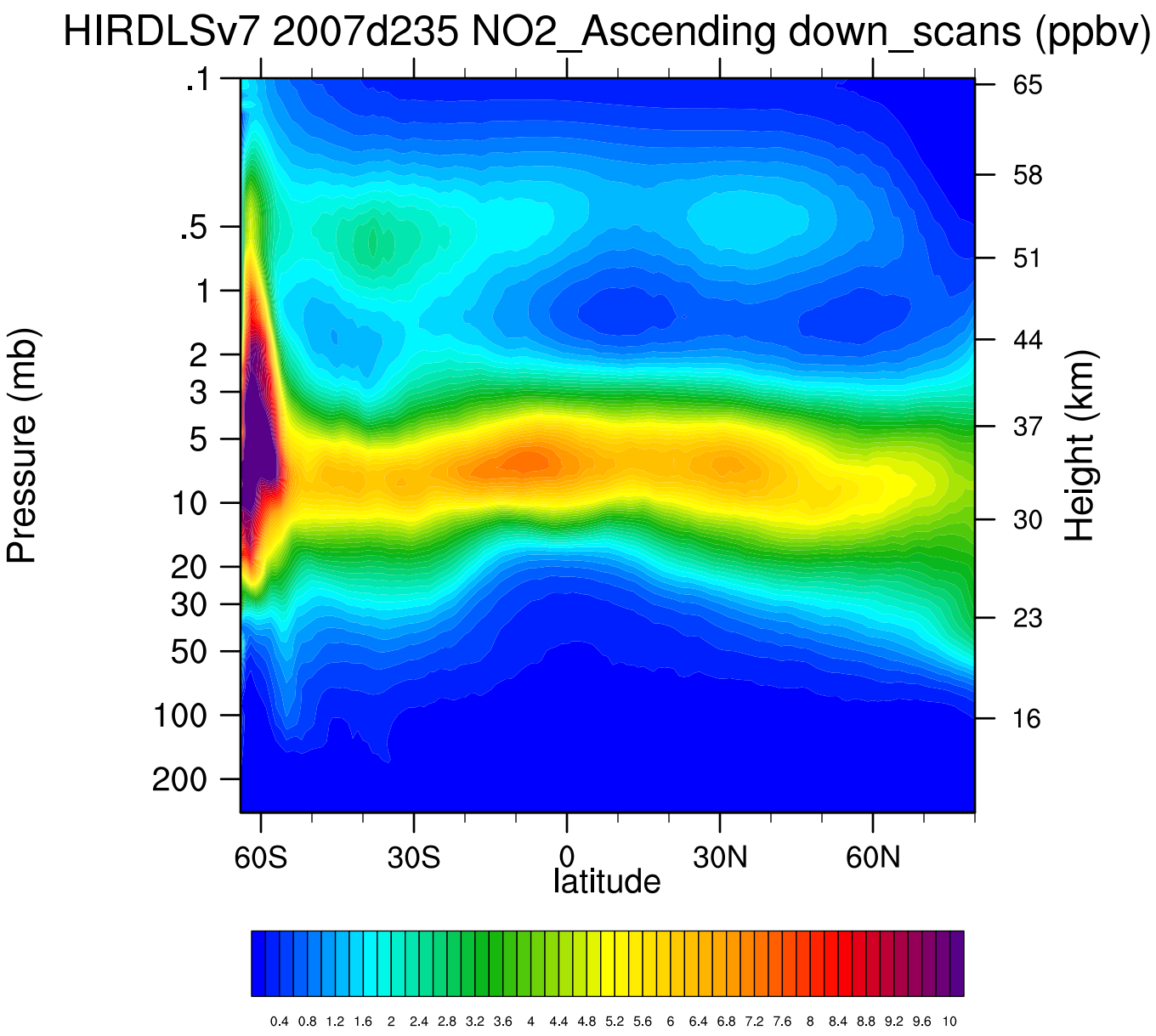

HIRDLSv7 2007d230 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

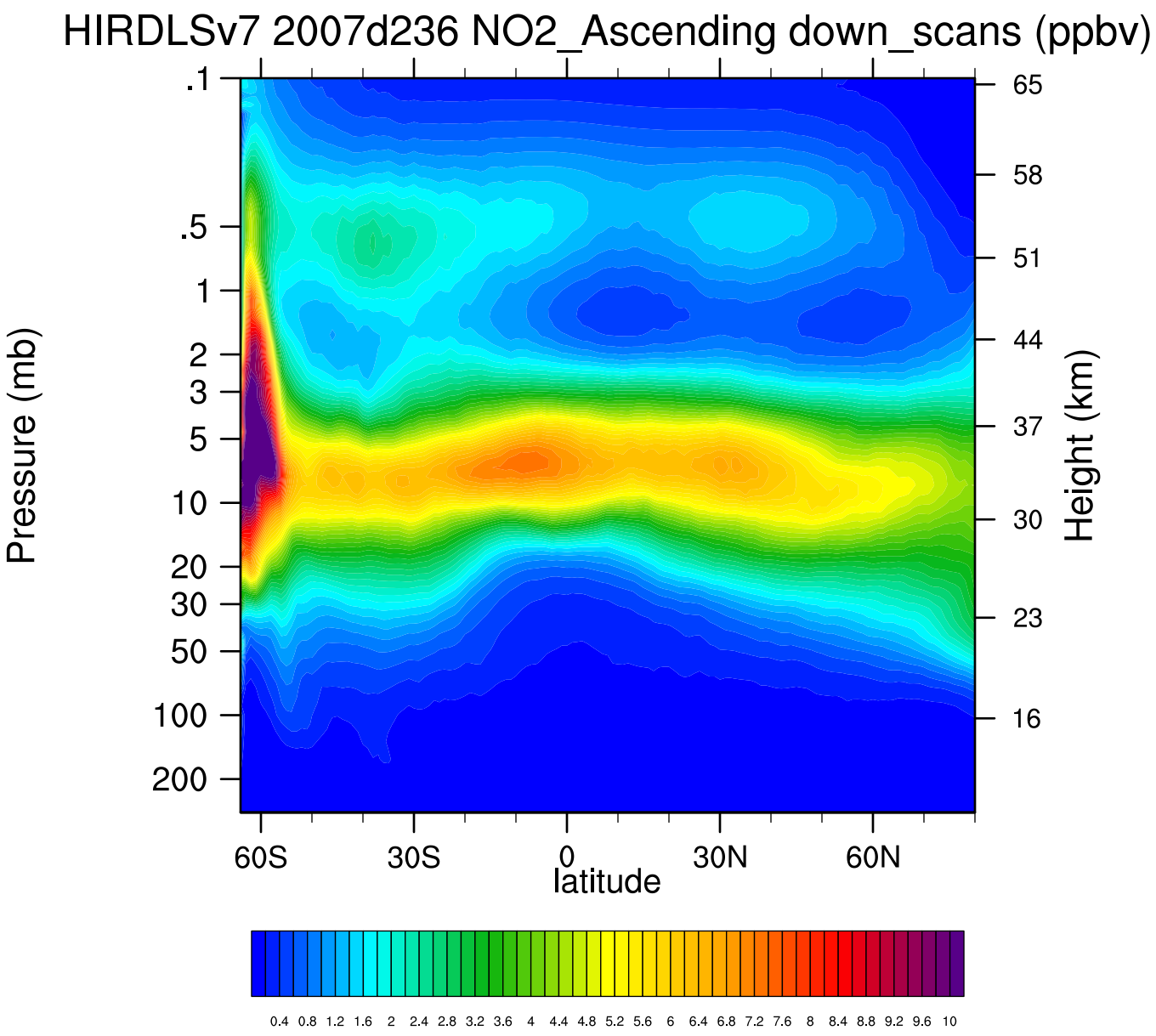

HIRDLSv7 2007d231 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

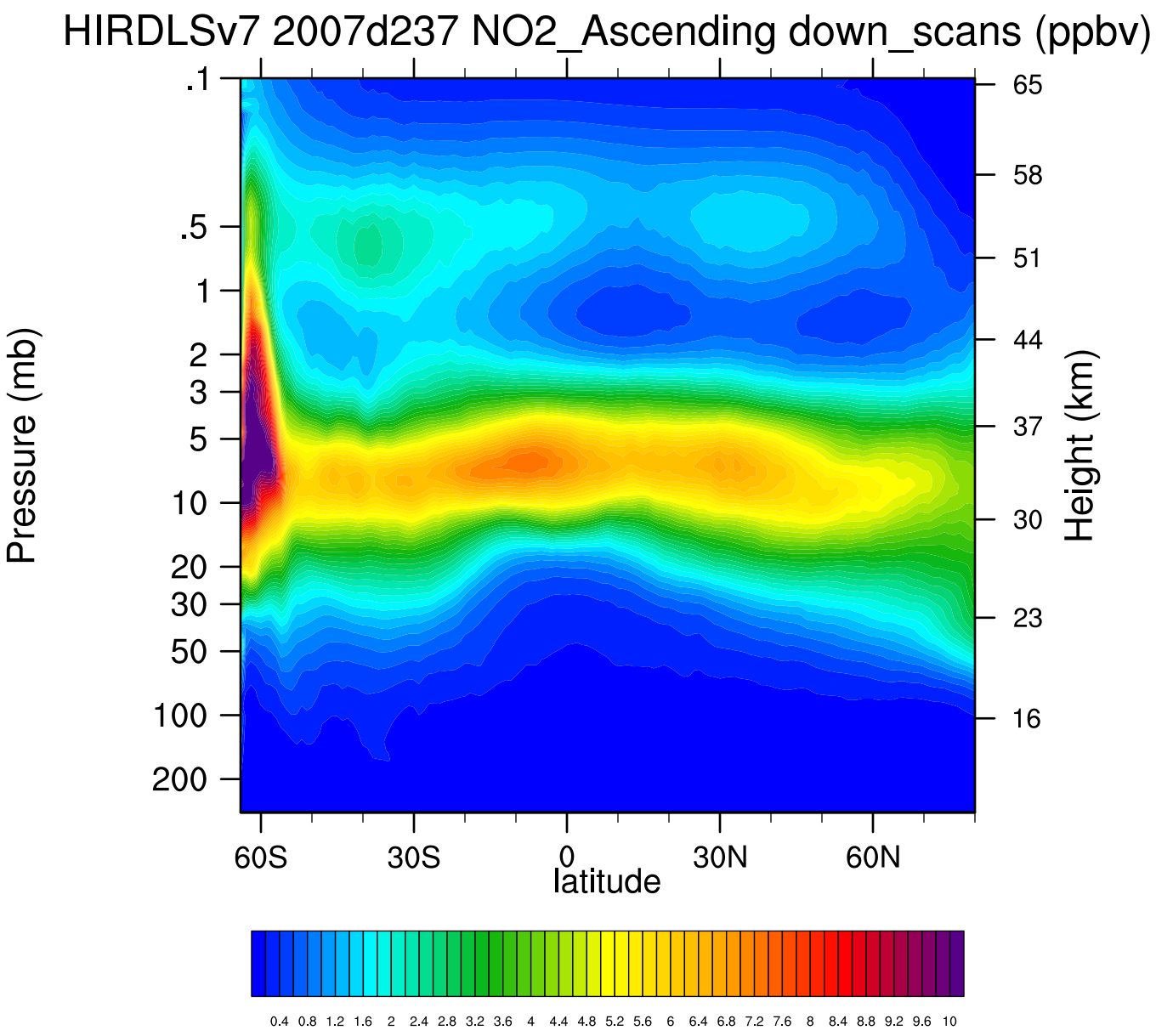

HIRDLSv7 2007d232 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

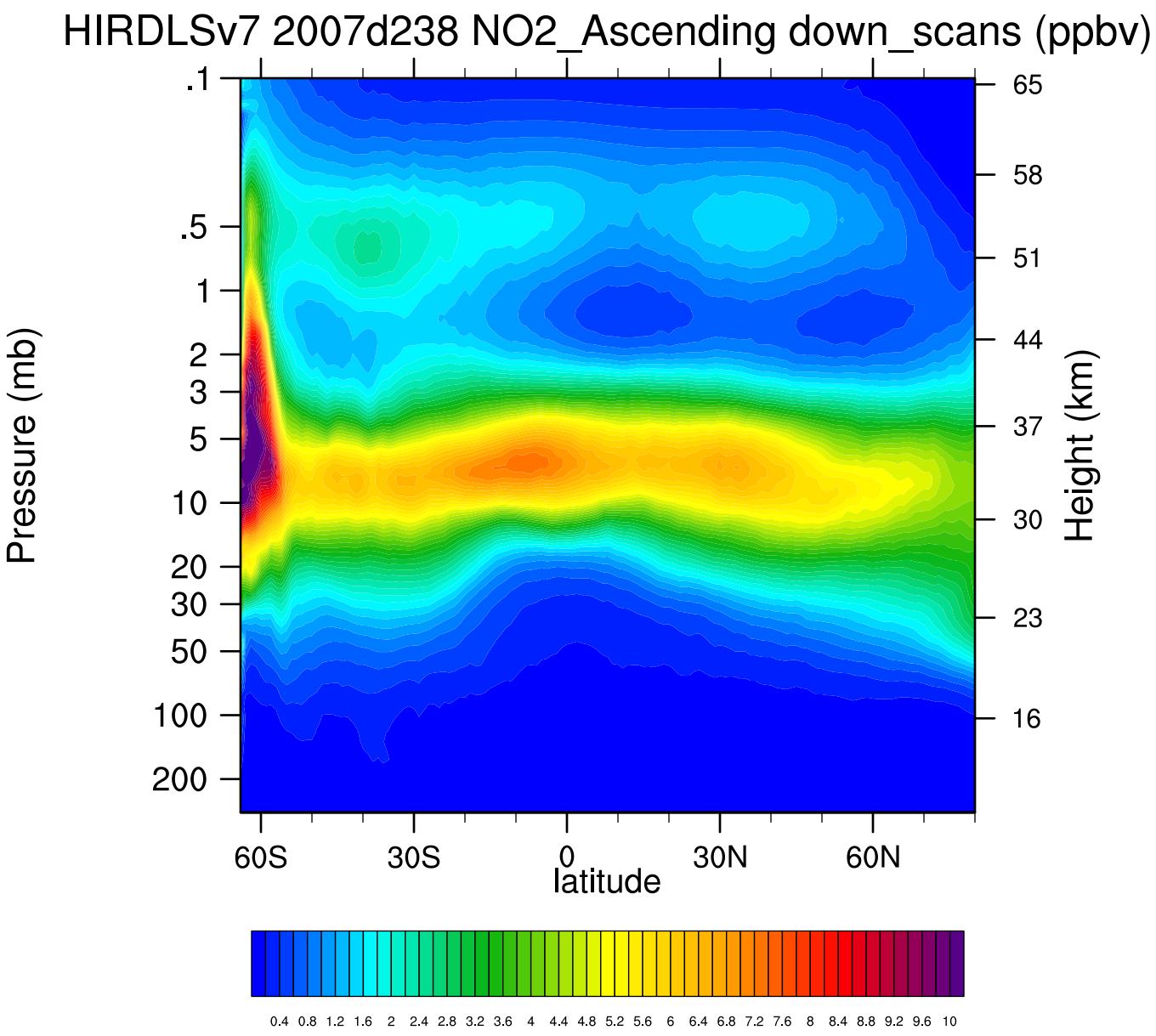

HIRDLSv7 2007d233 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

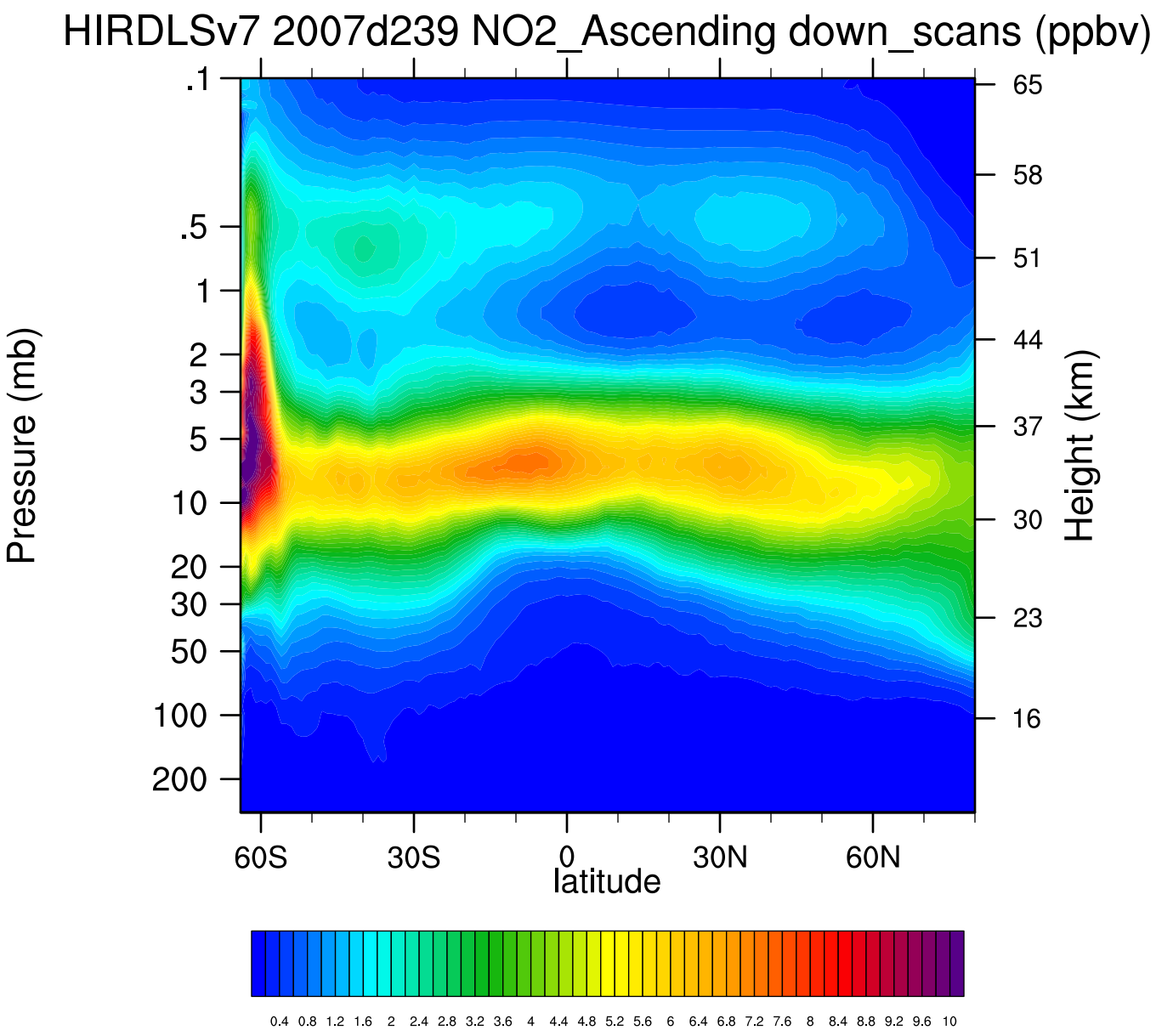

HIRDLSv7 2007d234 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d235 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d236 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d237 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d238 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d239 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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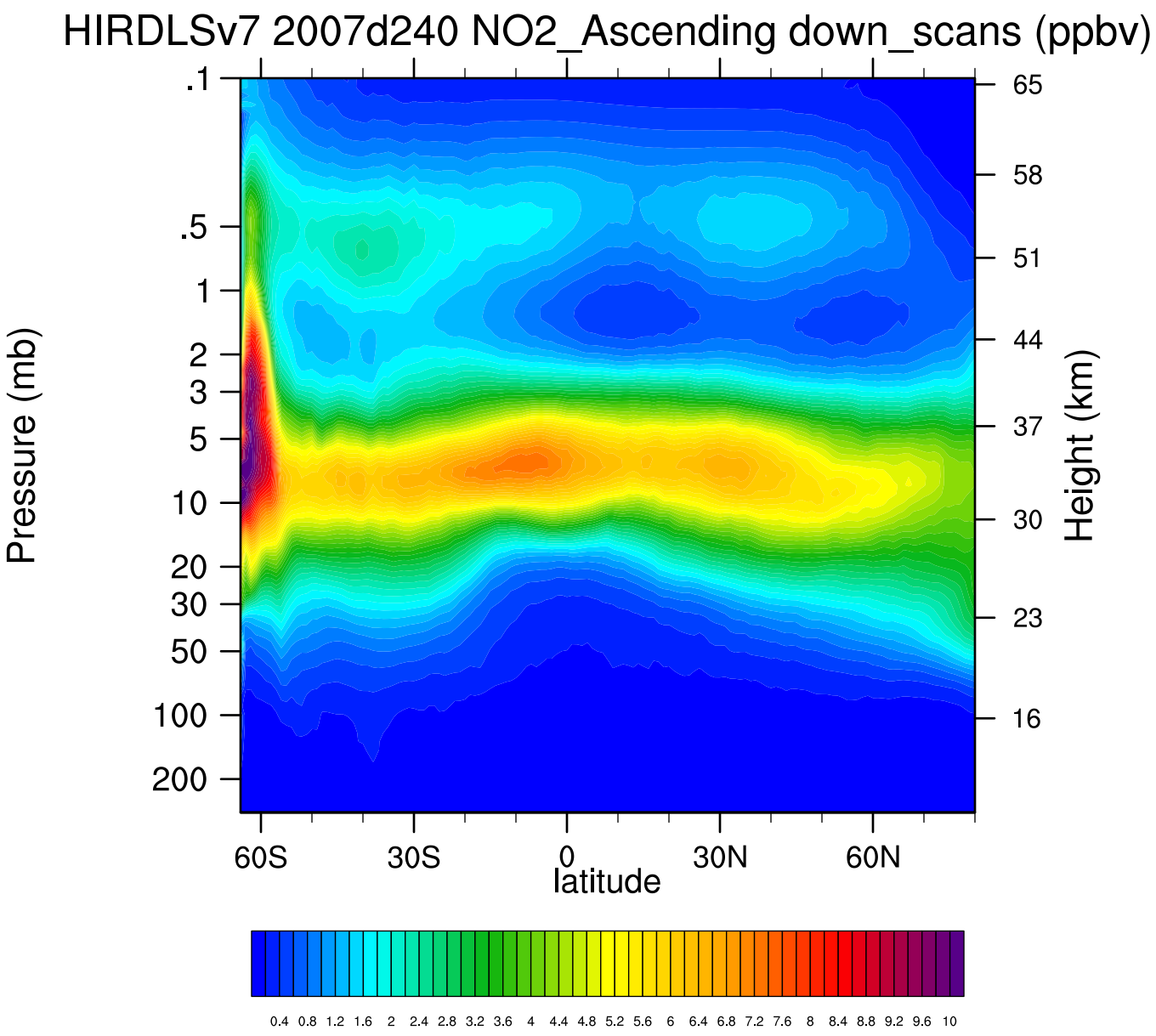
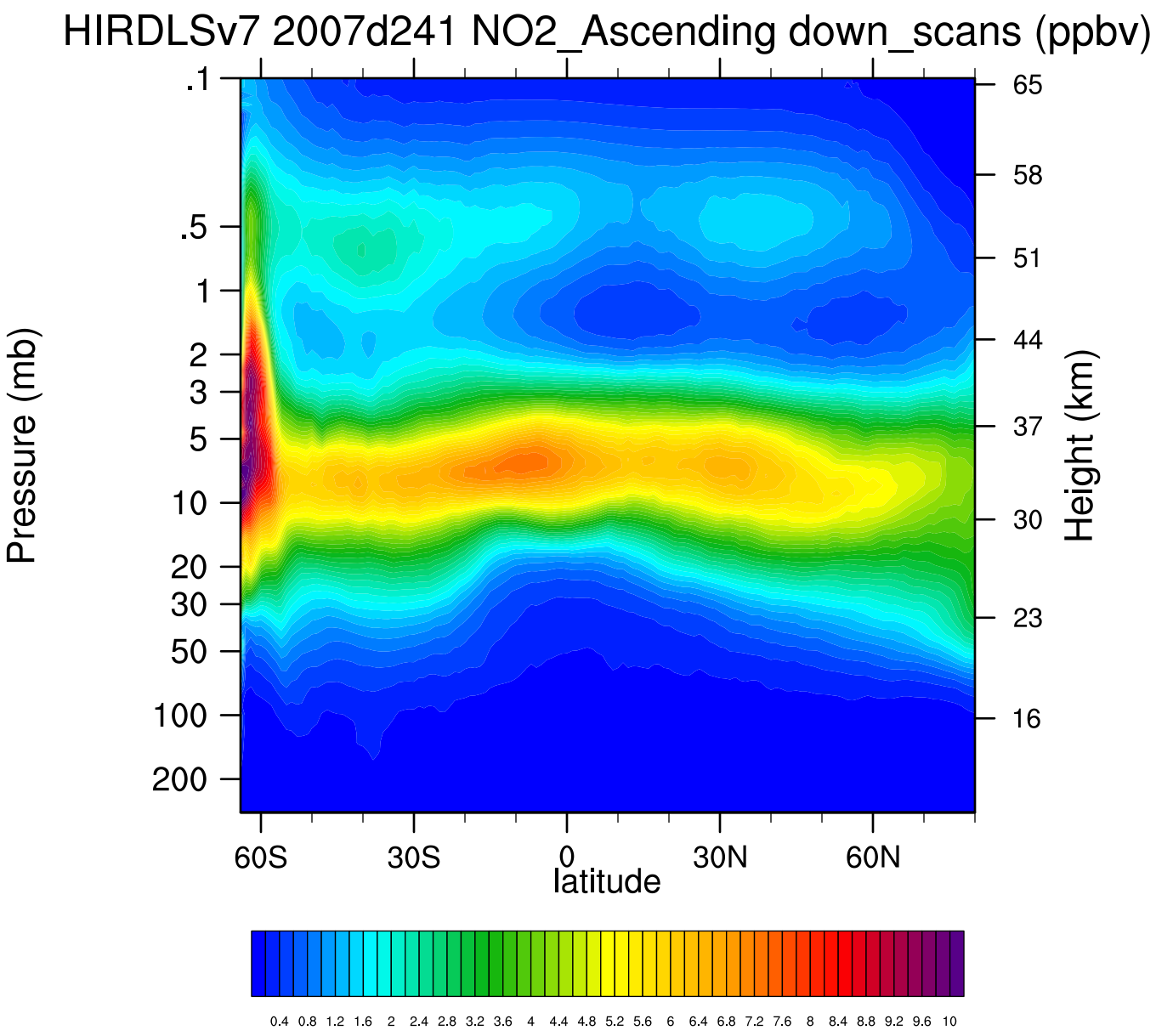
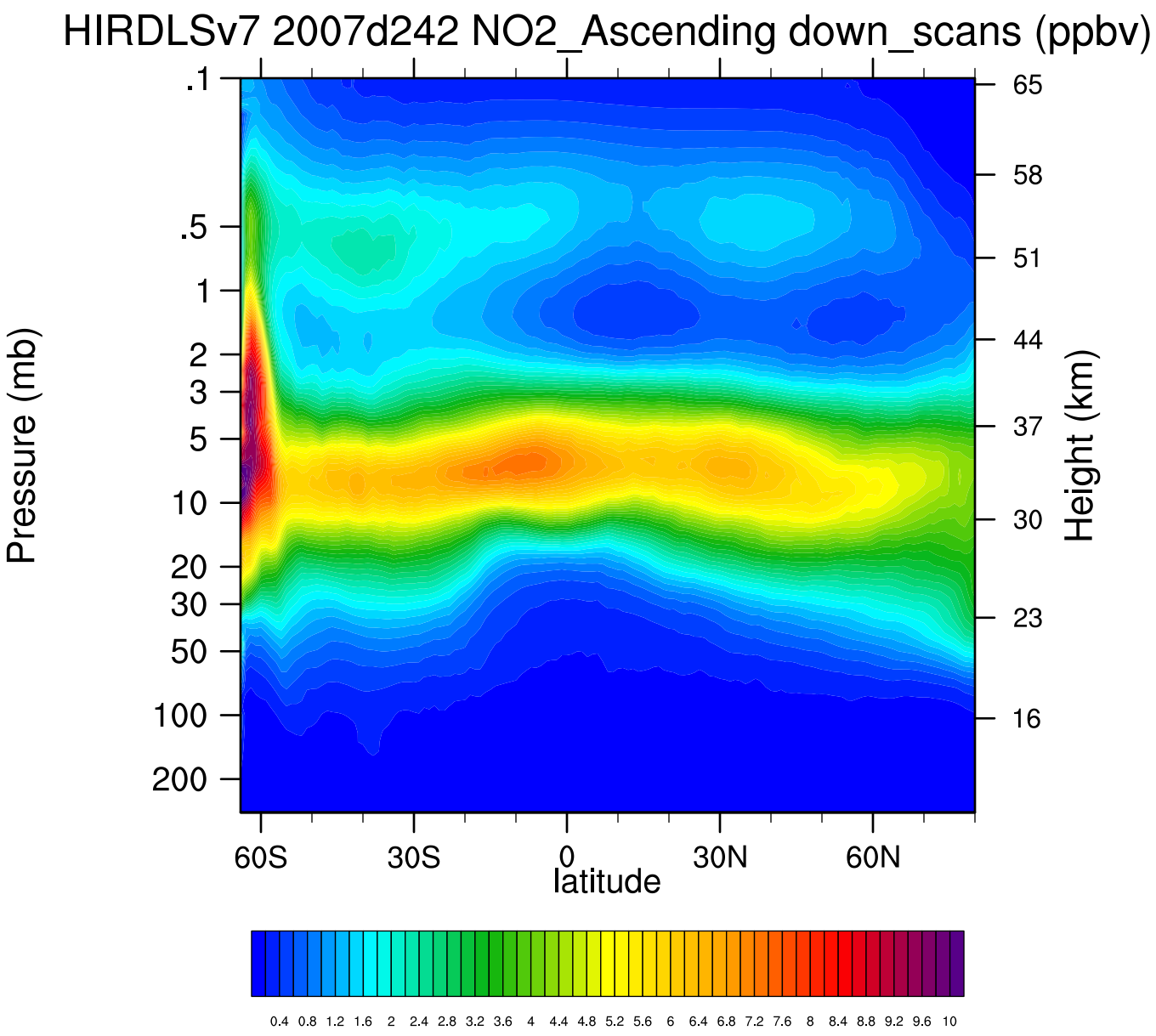
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d240 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d241 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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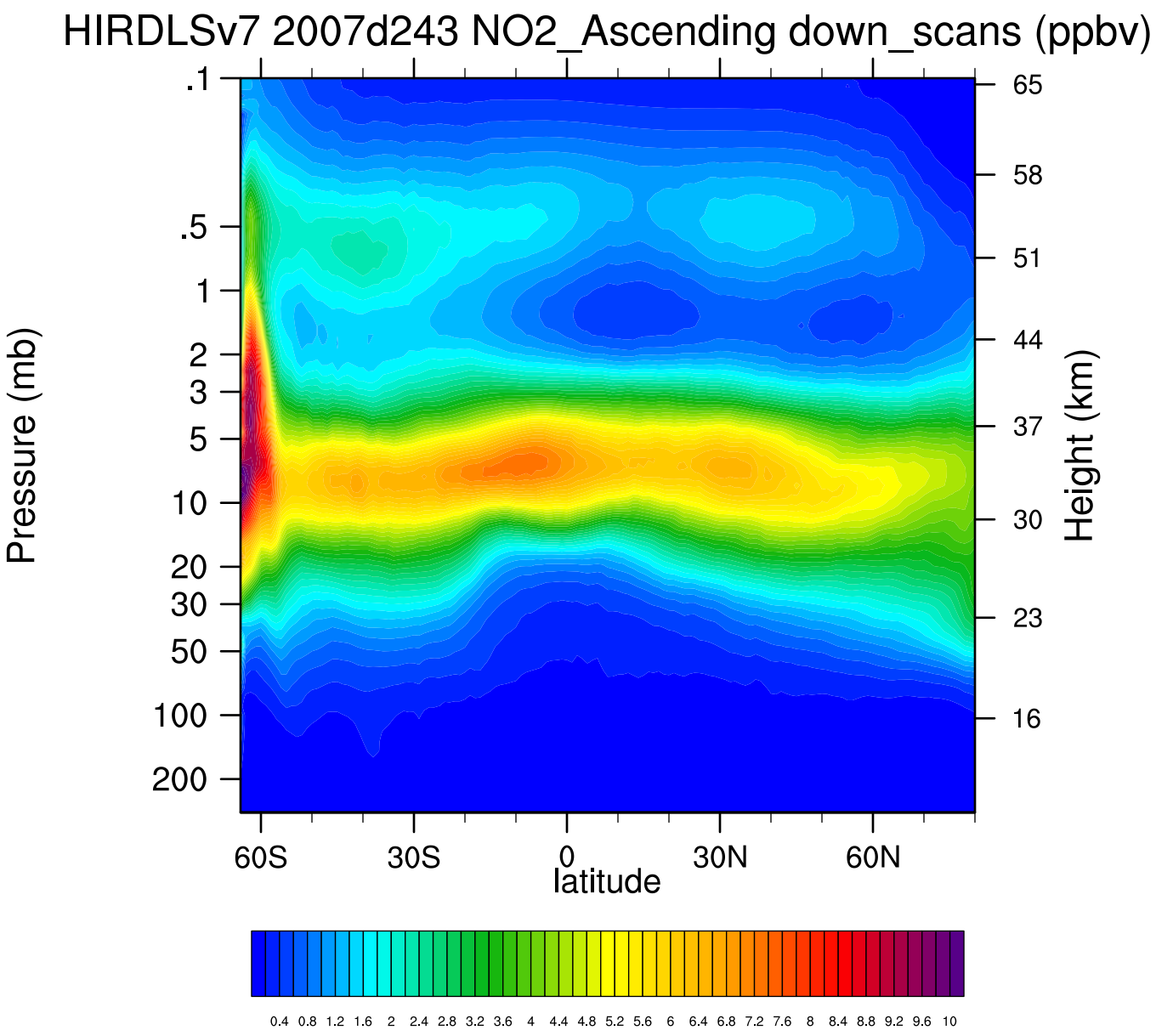
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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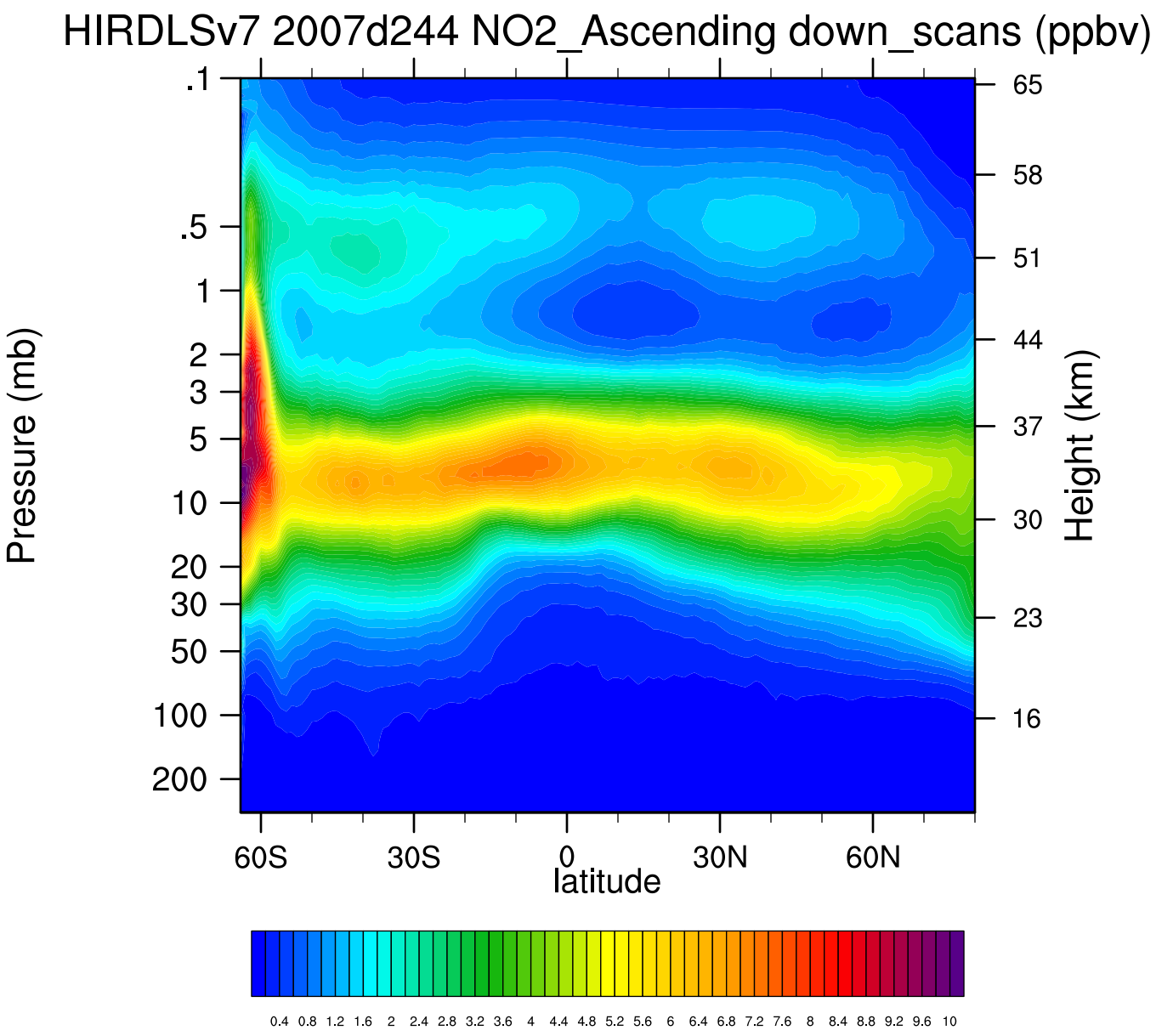
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d244 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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.5
1
2
3
5
10
20
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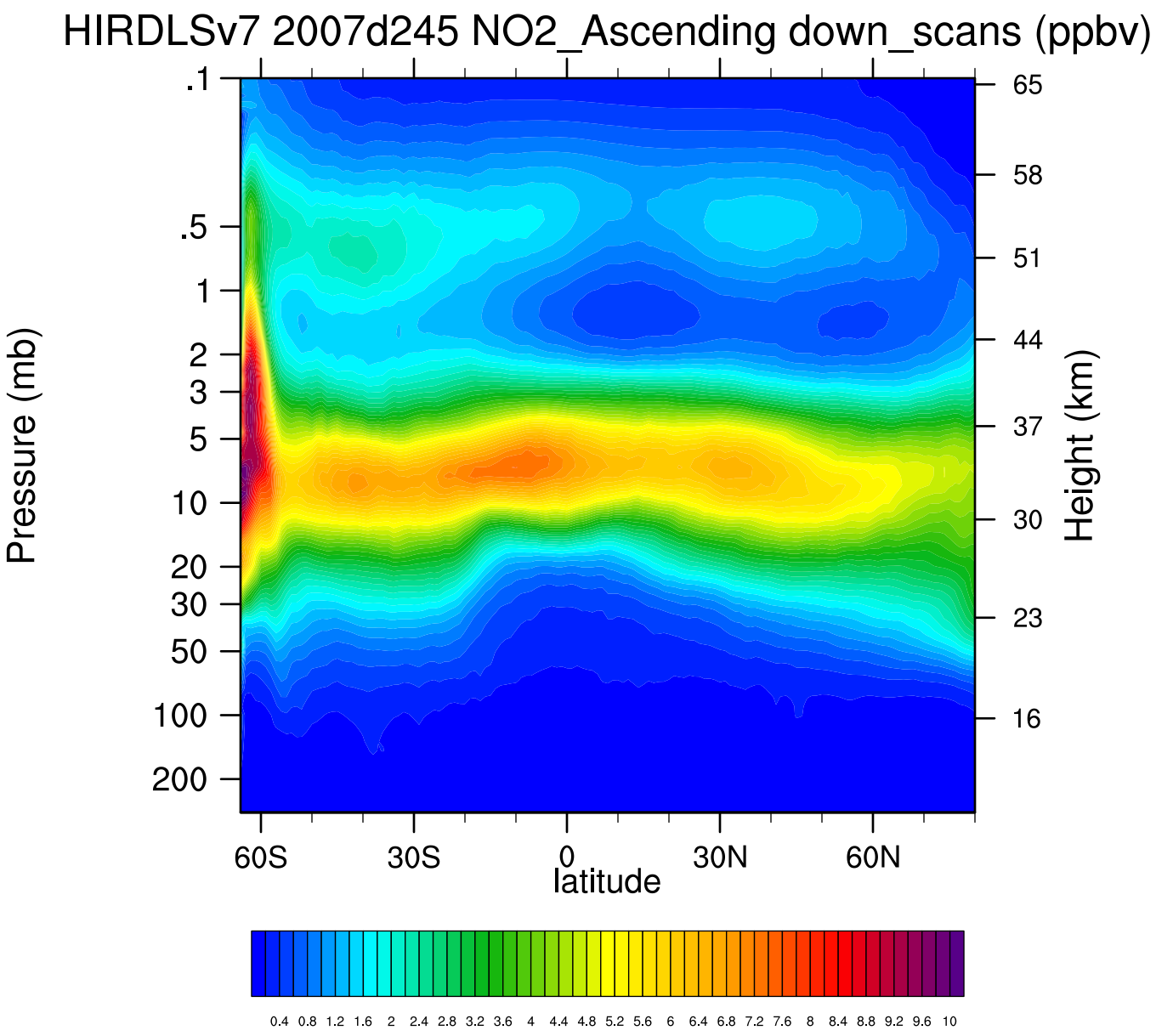
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d245 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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.5
1
2
3
5
10
20
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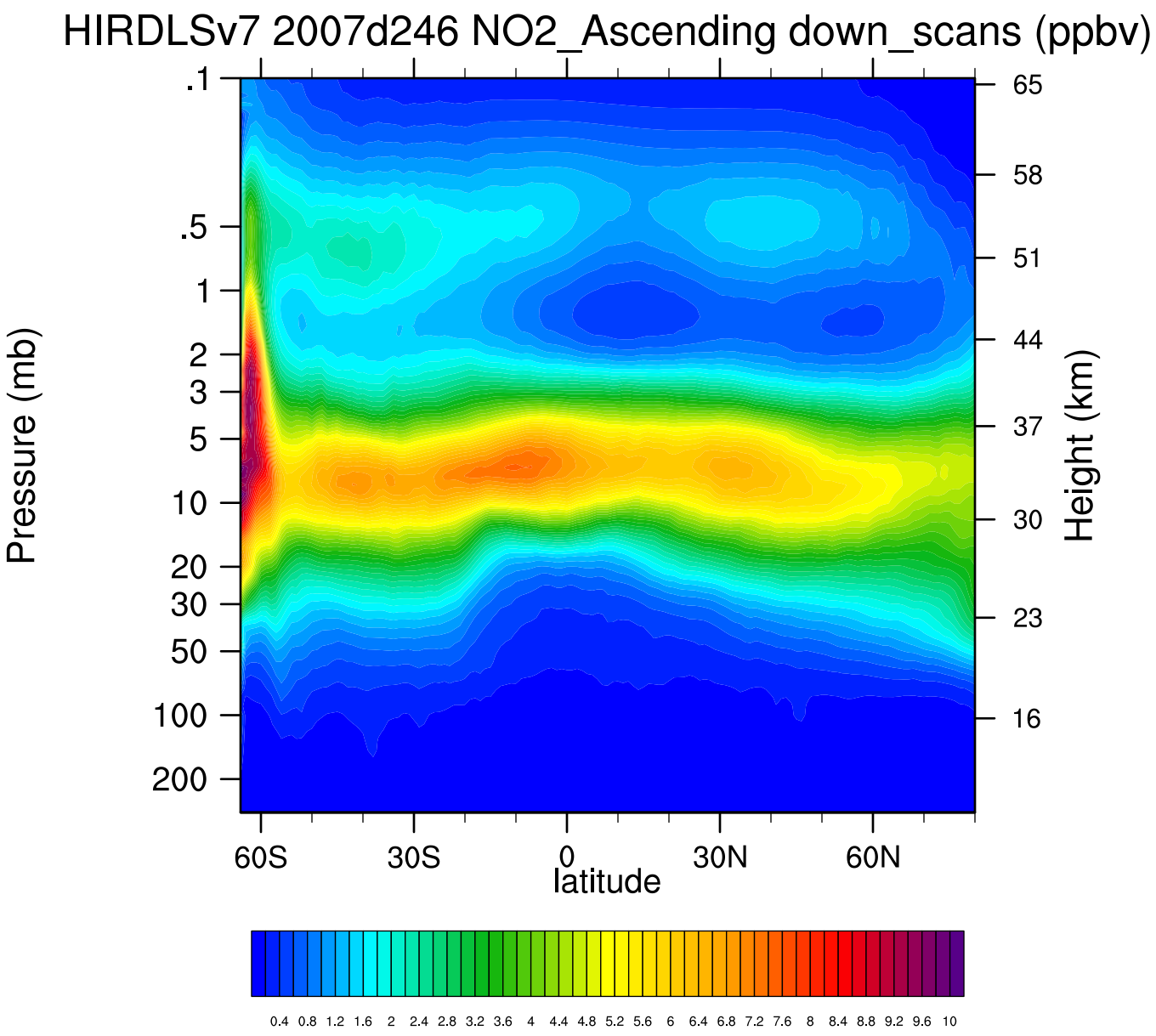
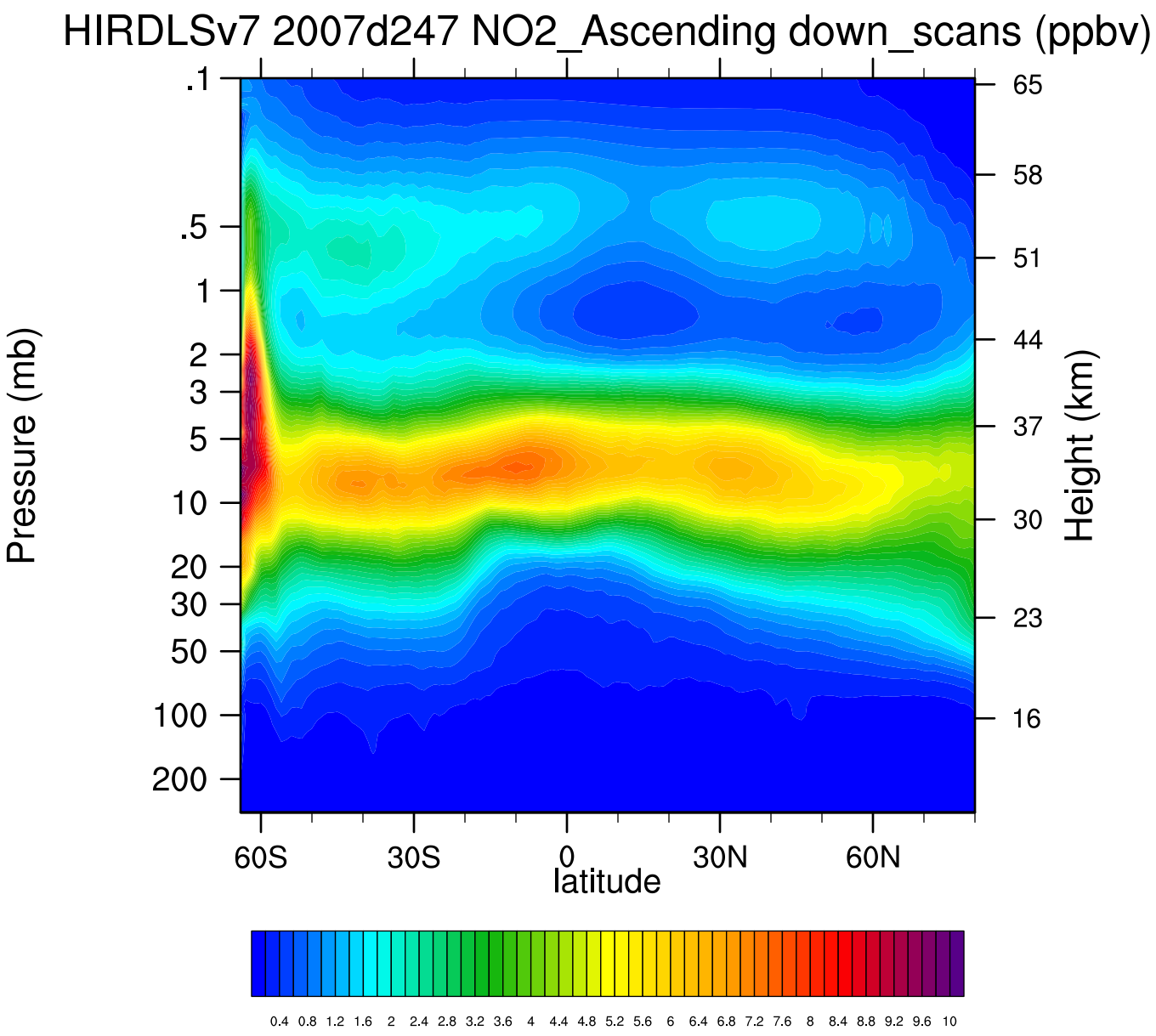
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d246 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d247 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
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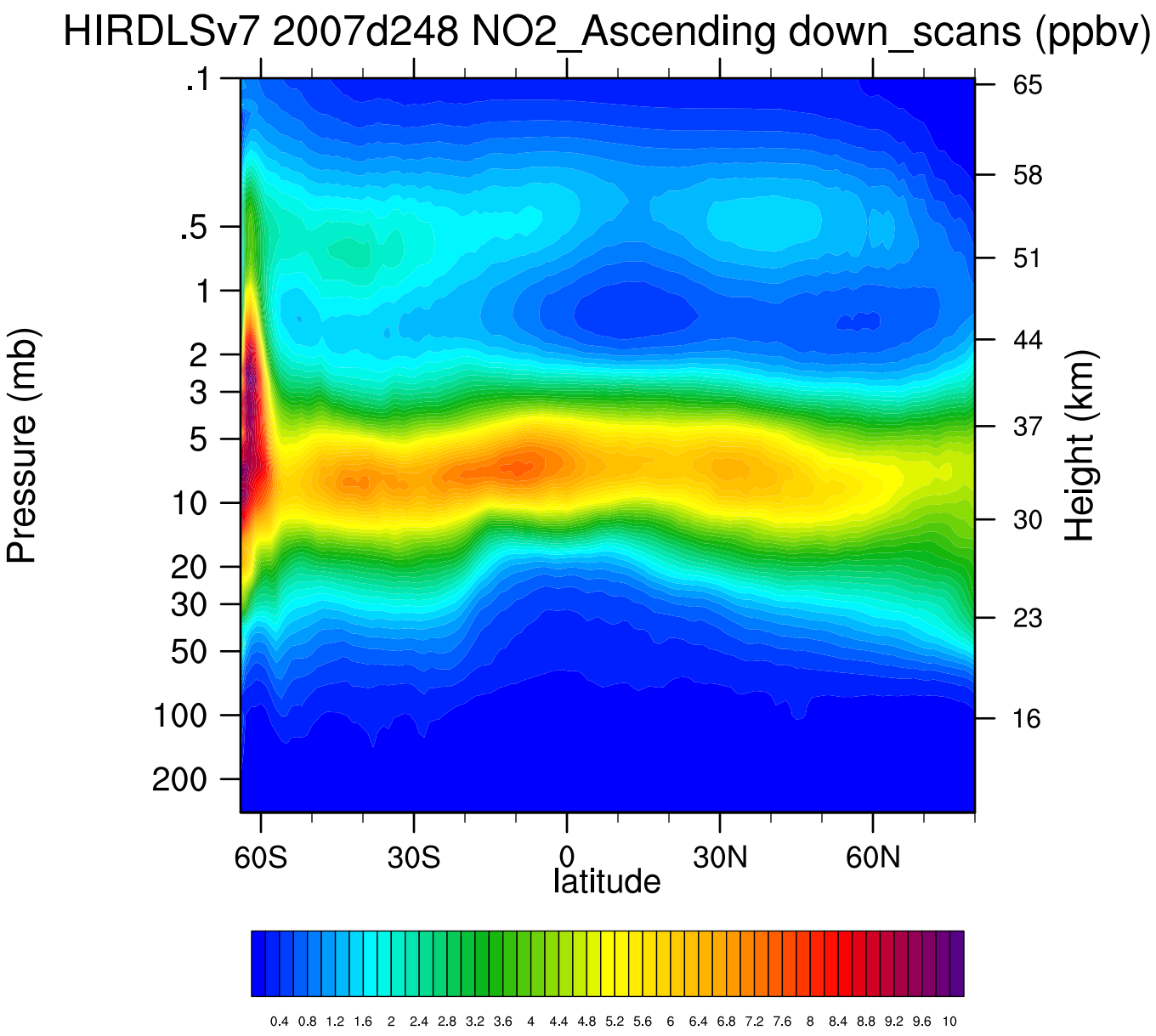
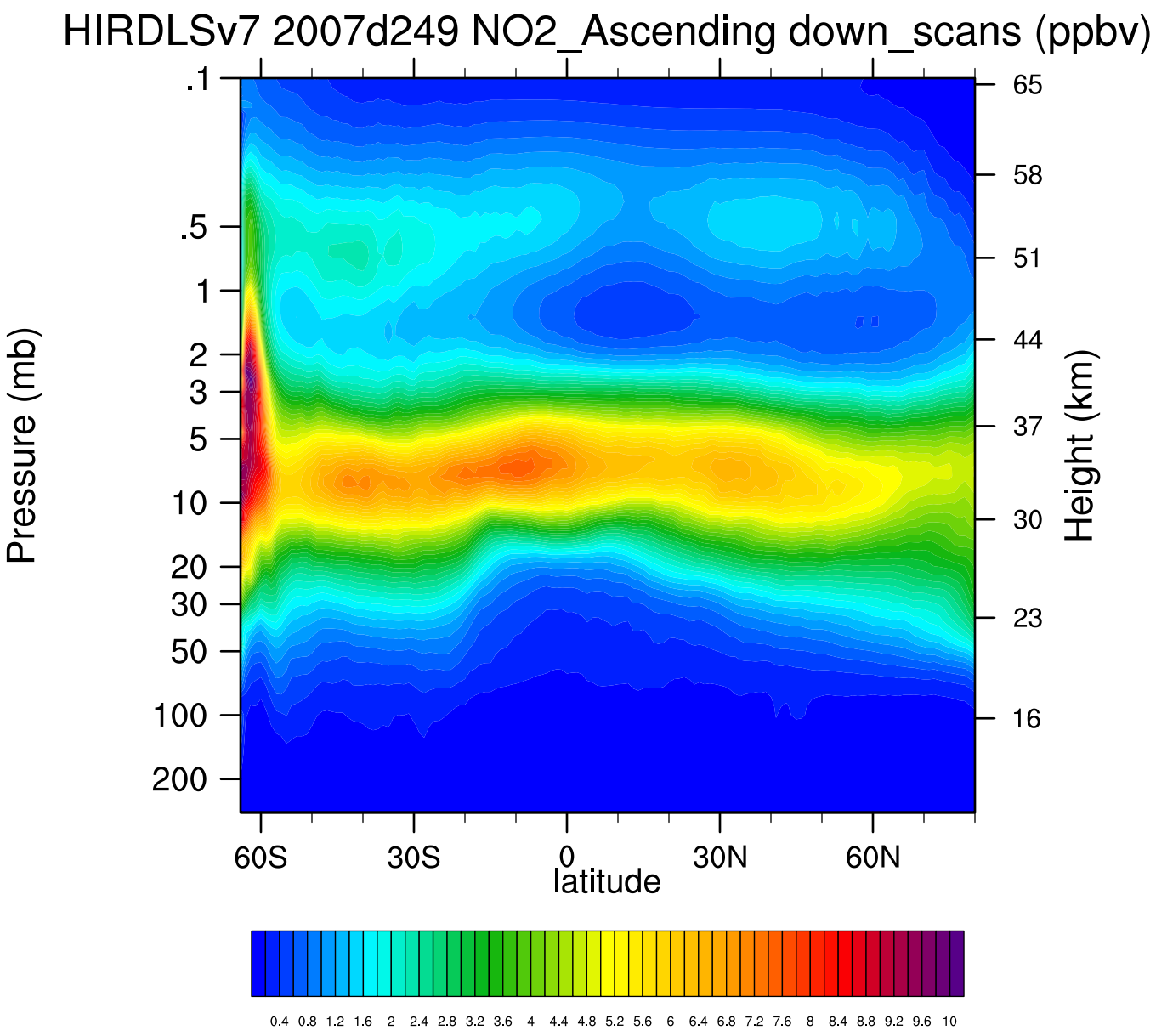
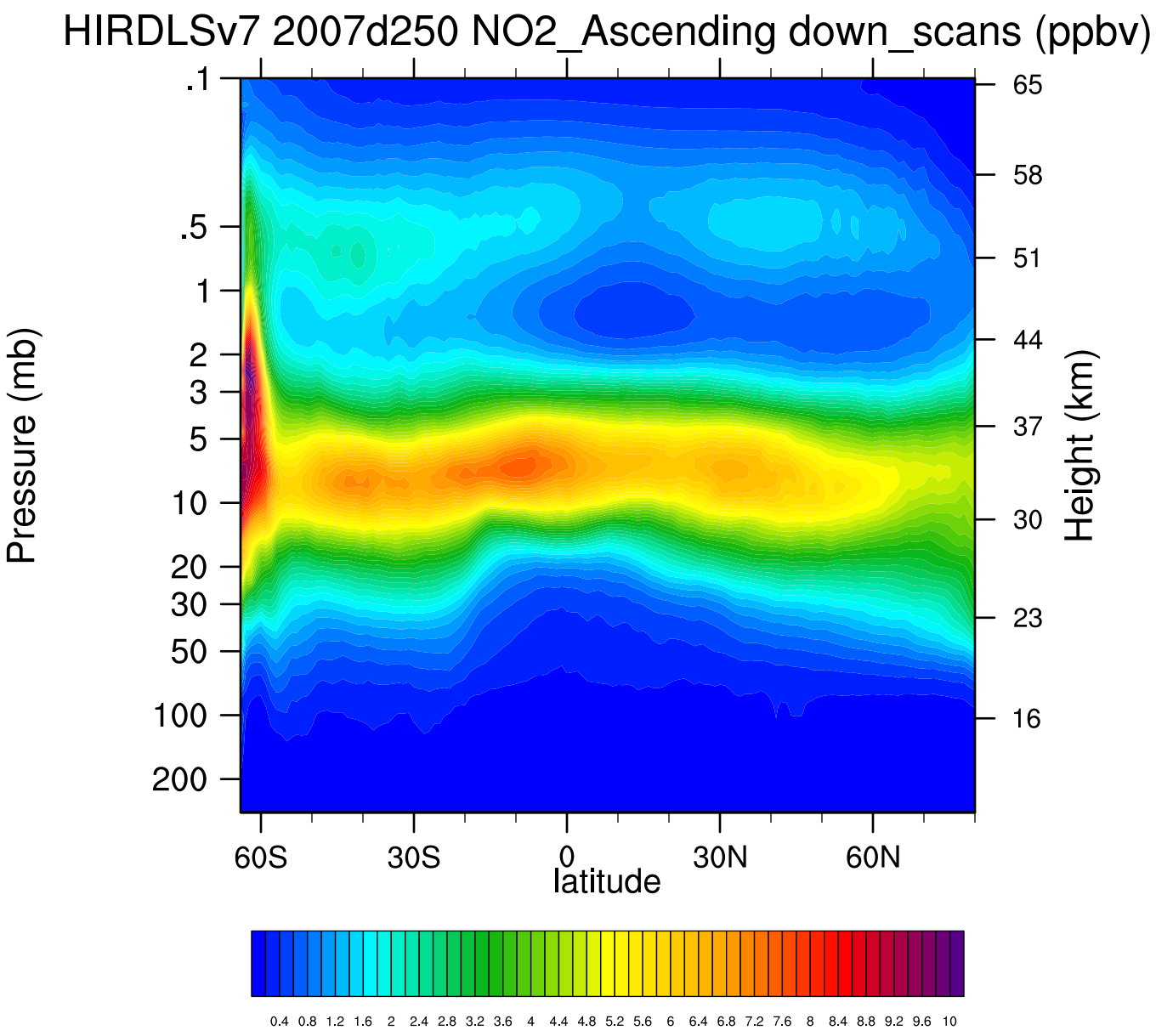
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d248 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d249 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d250 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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.5
1
2
3
5
10
20
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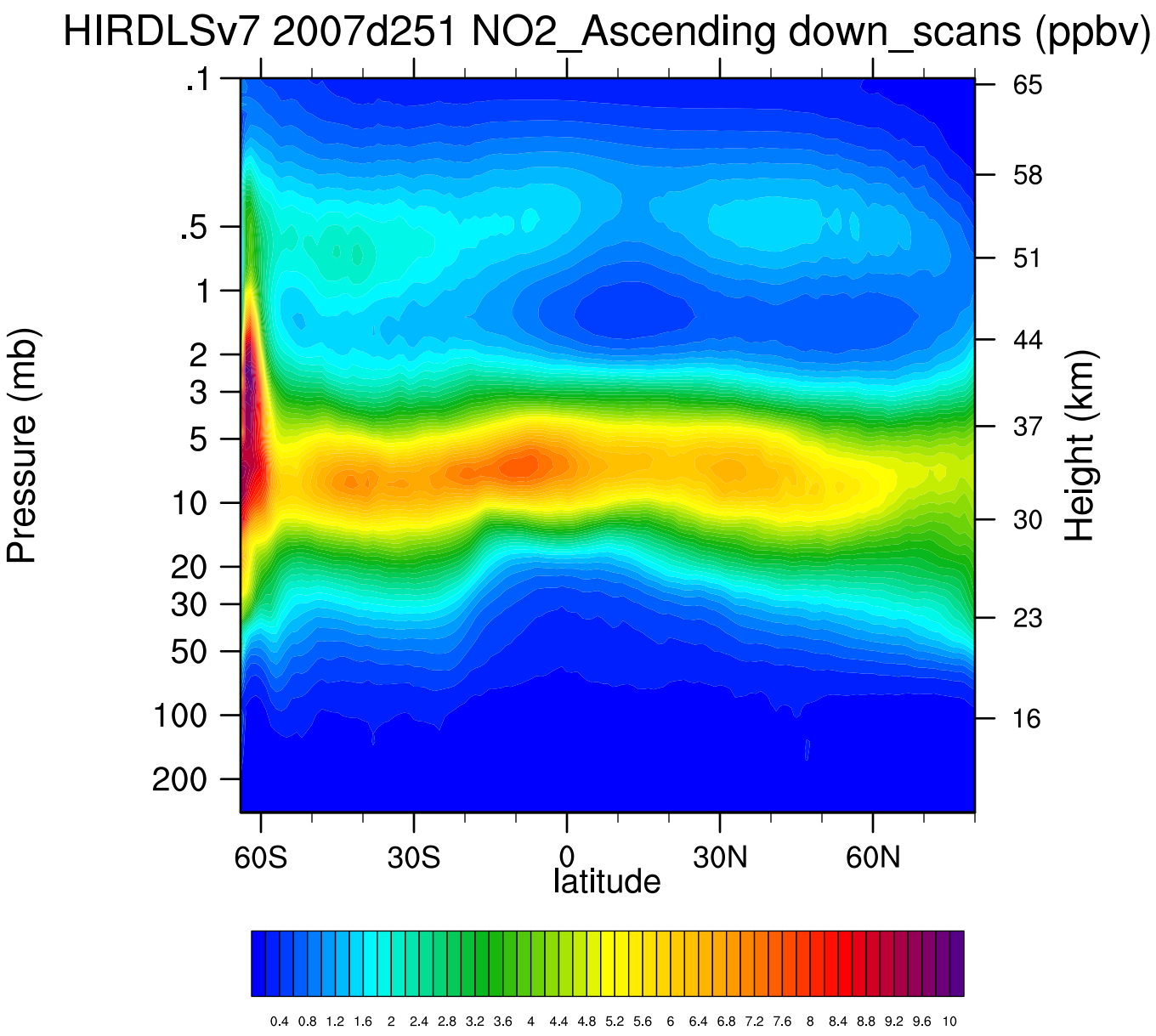
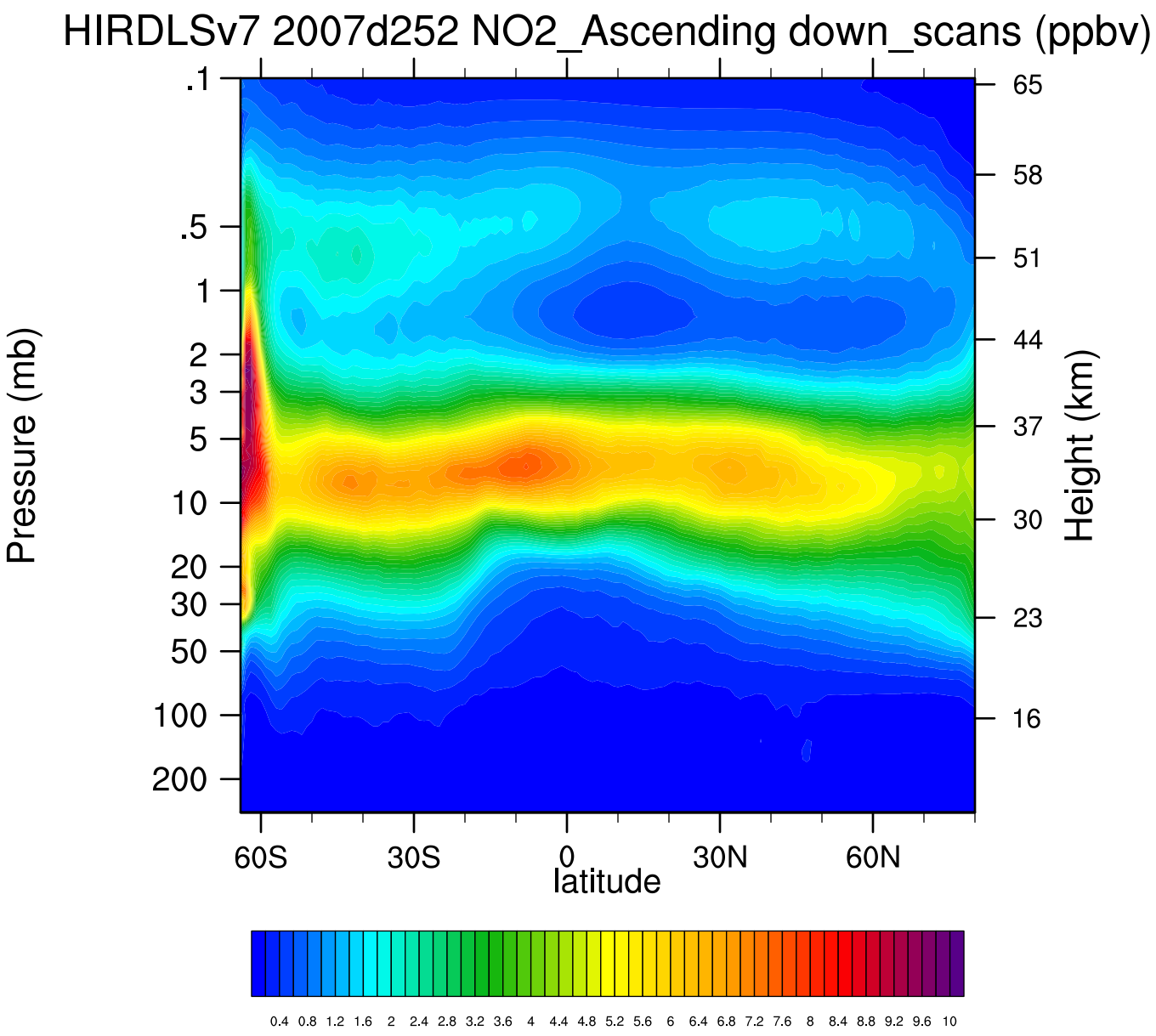
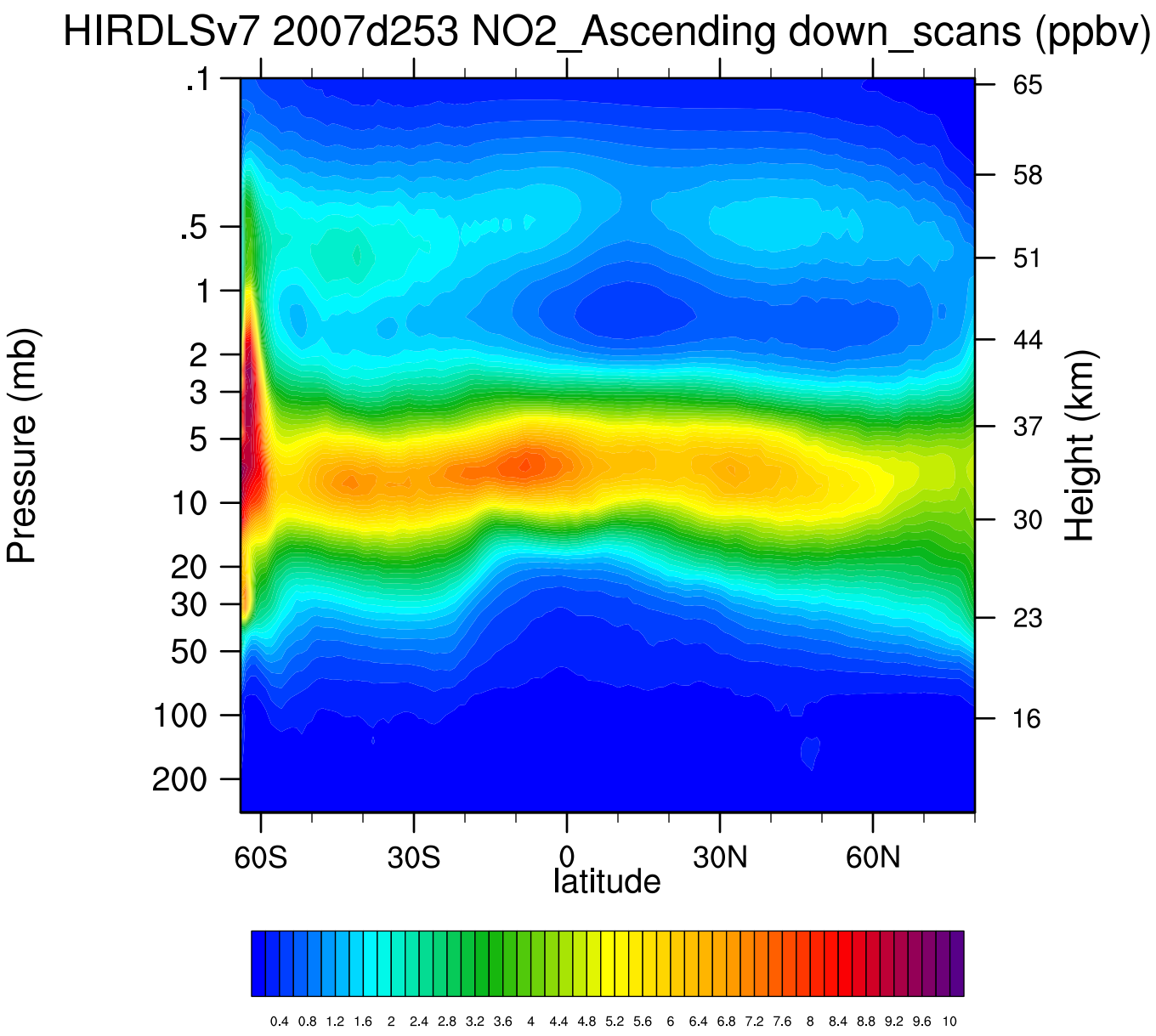
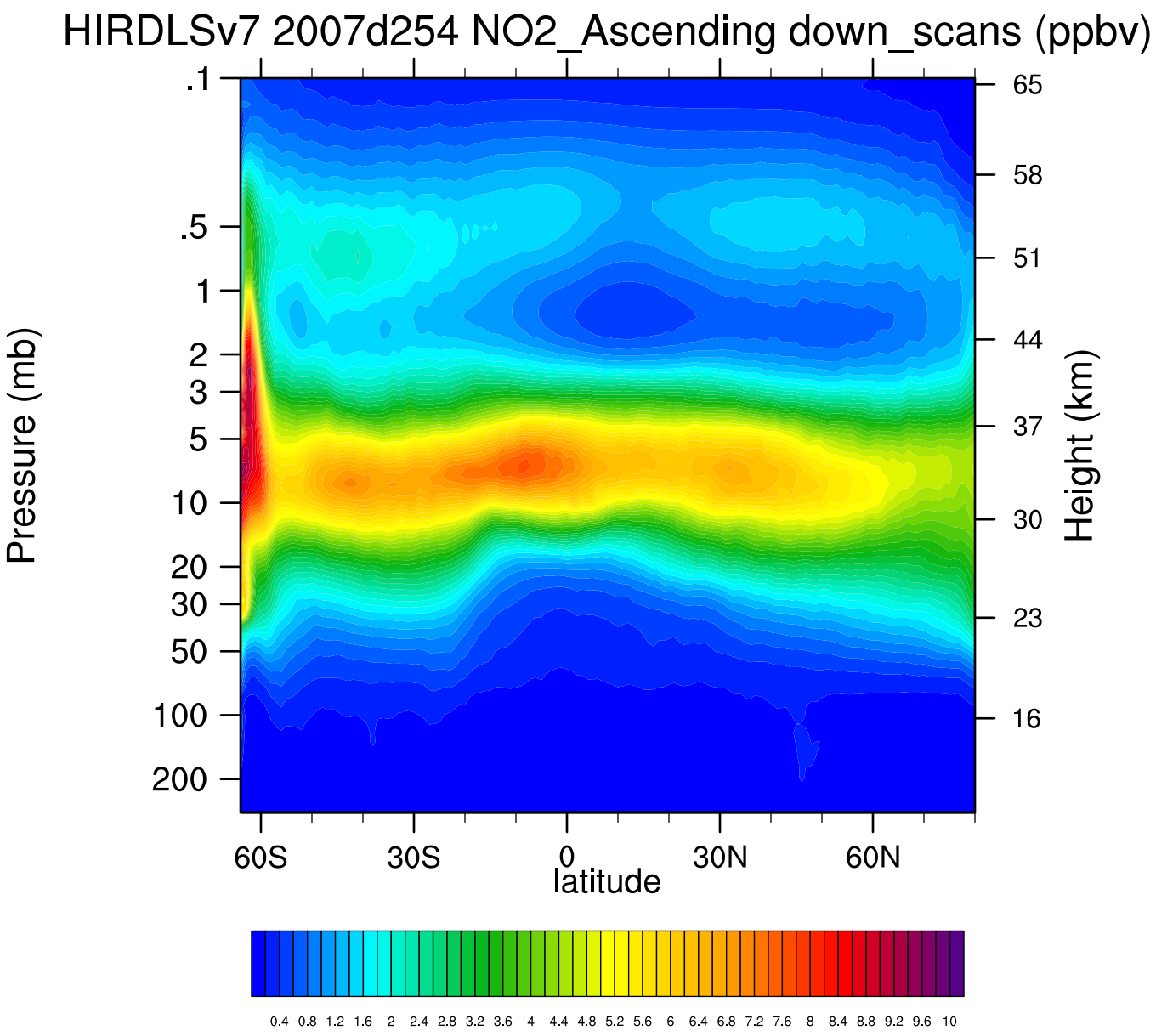
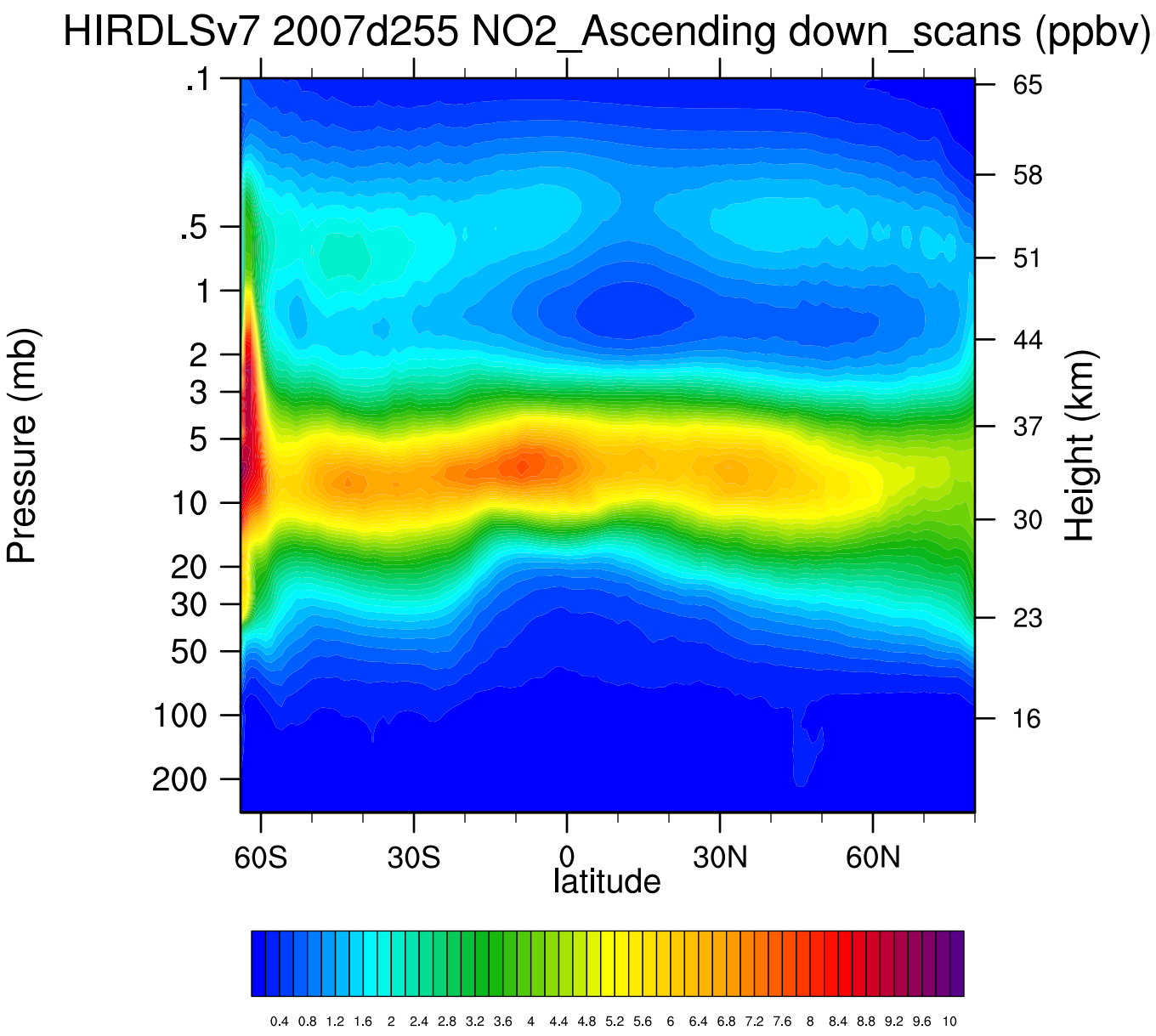
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

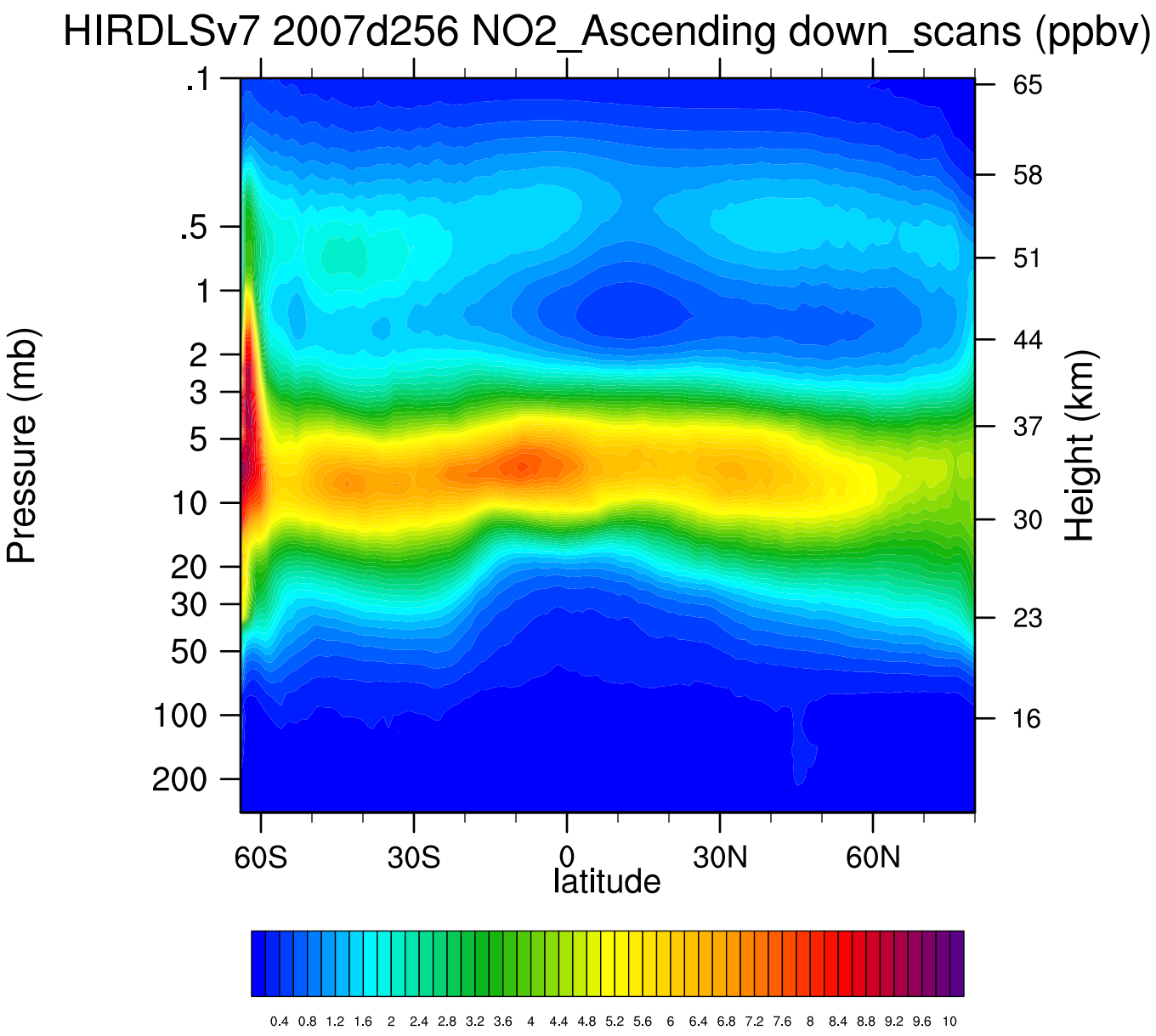

HIRDLSv7 2007d251 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

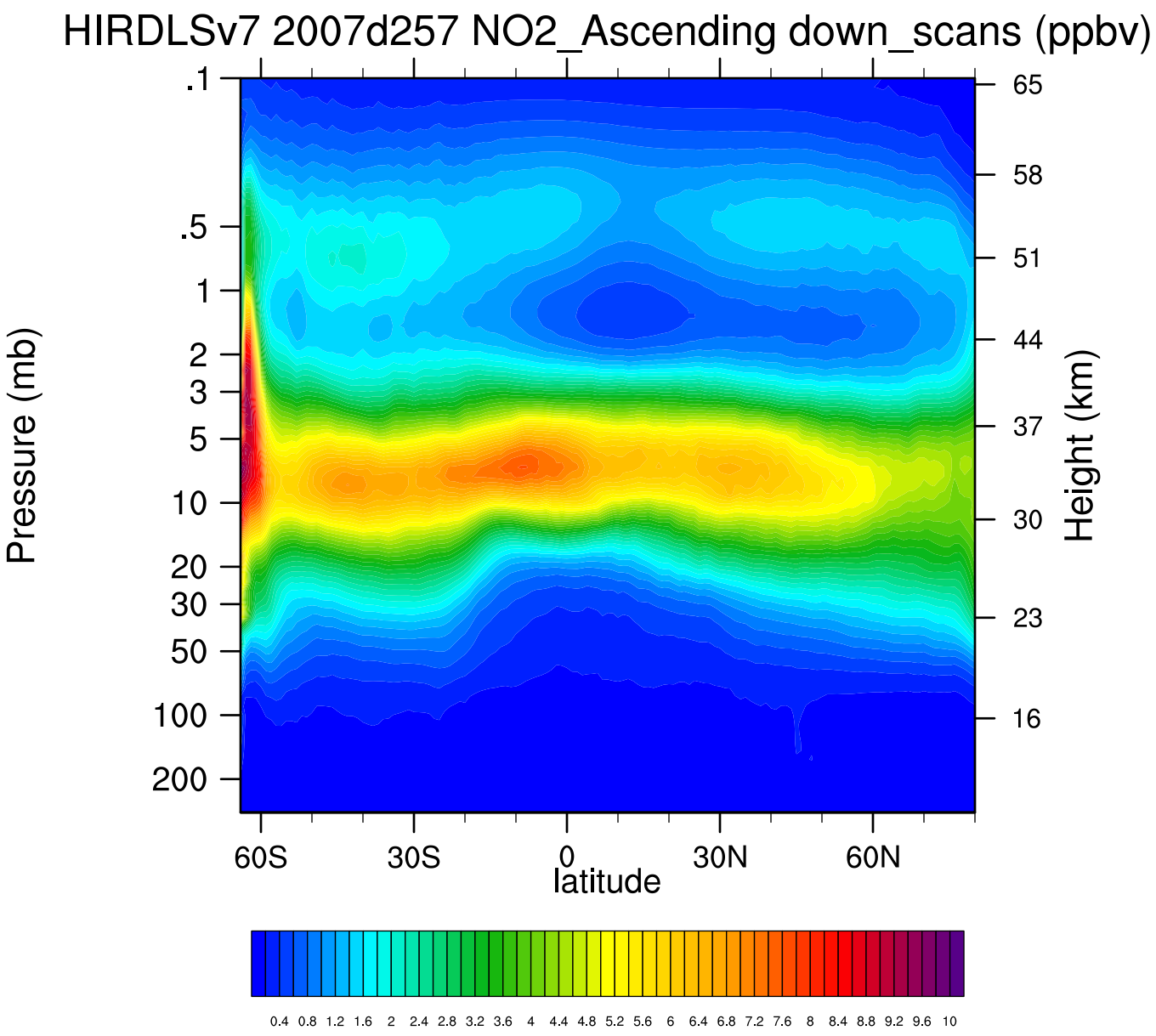

HIRDLSv7 2007d252 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

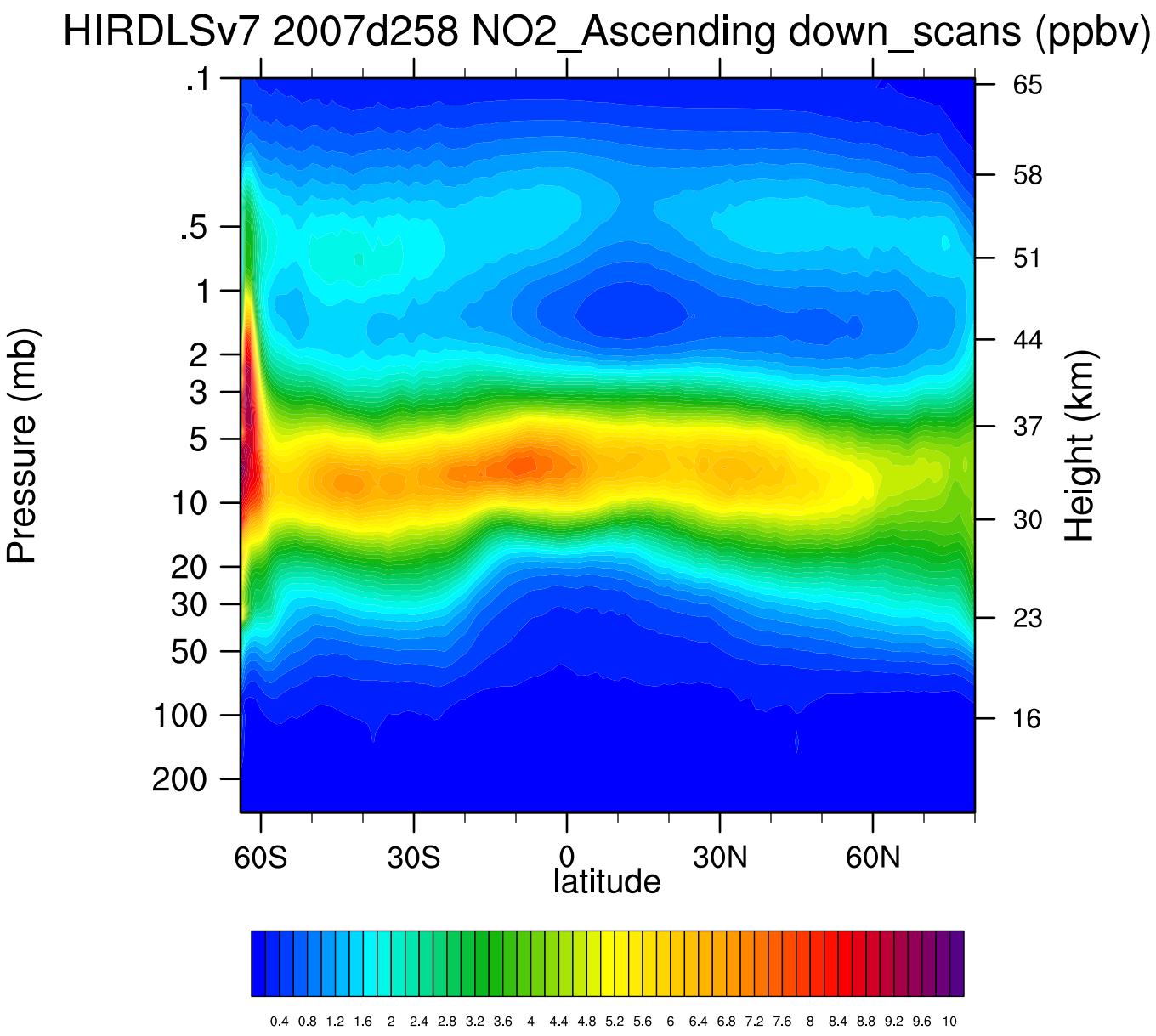

HIRDLSv7 2007d253 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

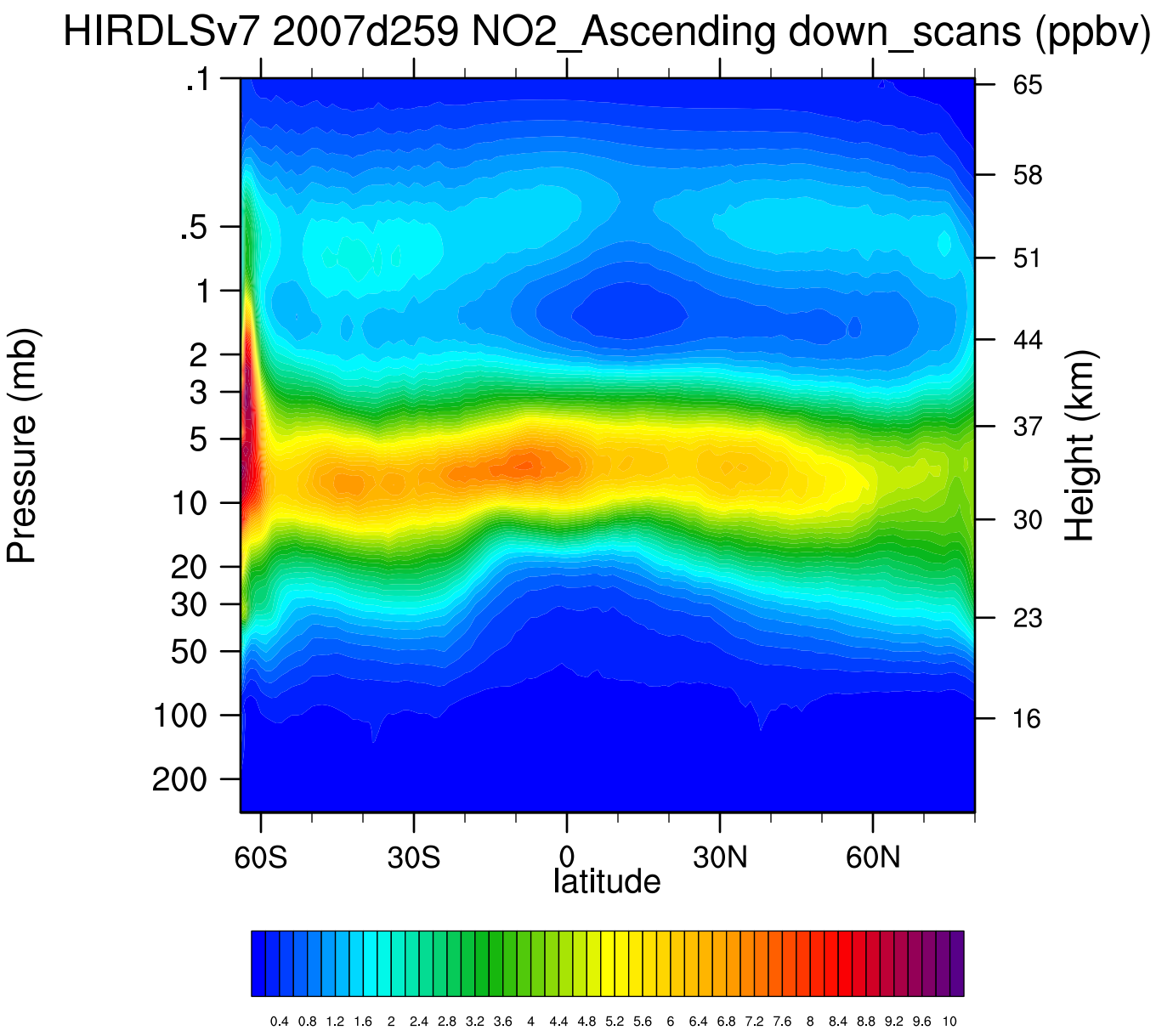

HIRDLSv7 2007d254 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

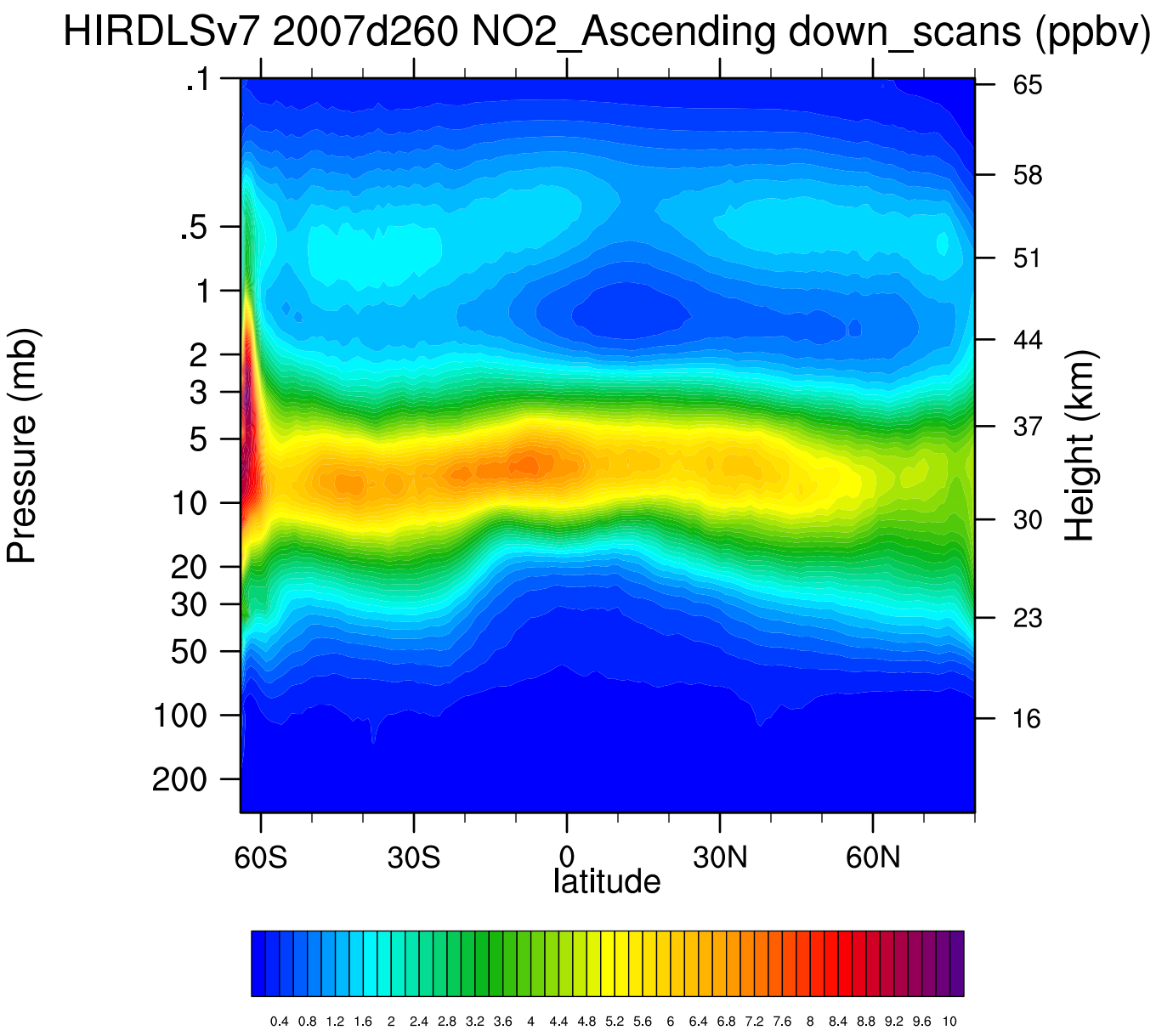

HIRDLSv7 2007d255 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

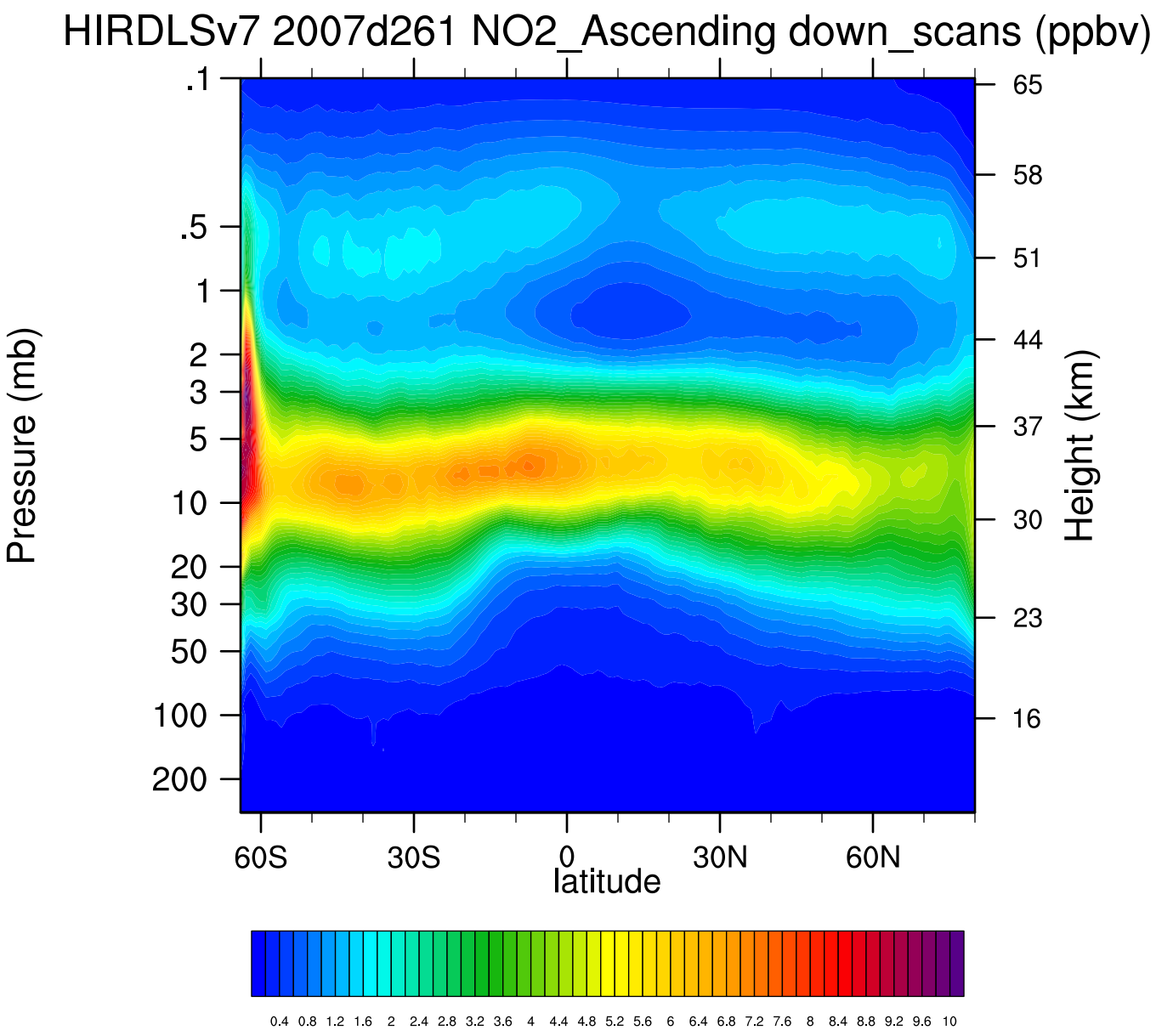

HIRDLSv7 2007d256 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

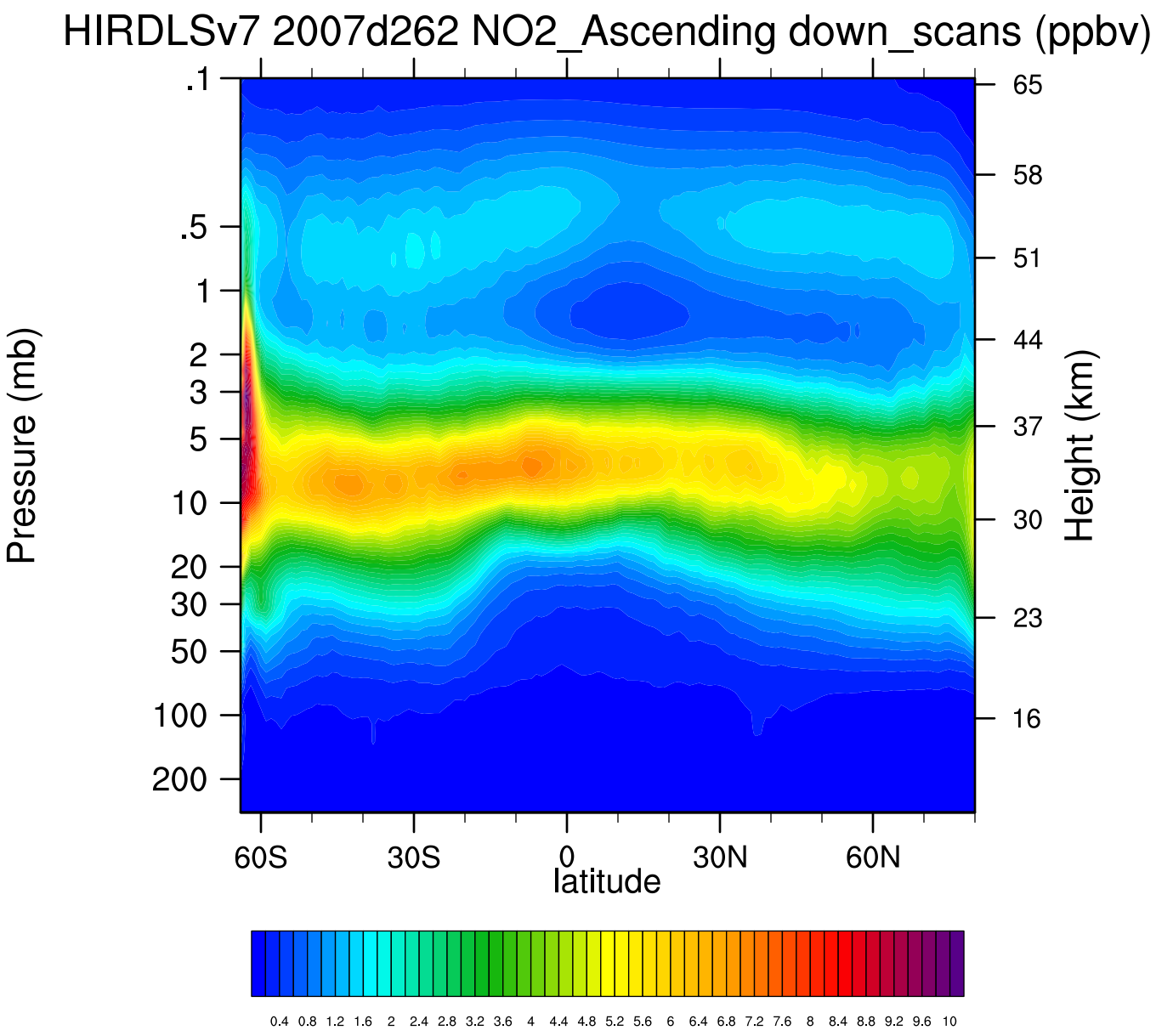

HIRDLSv7 2007d257 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

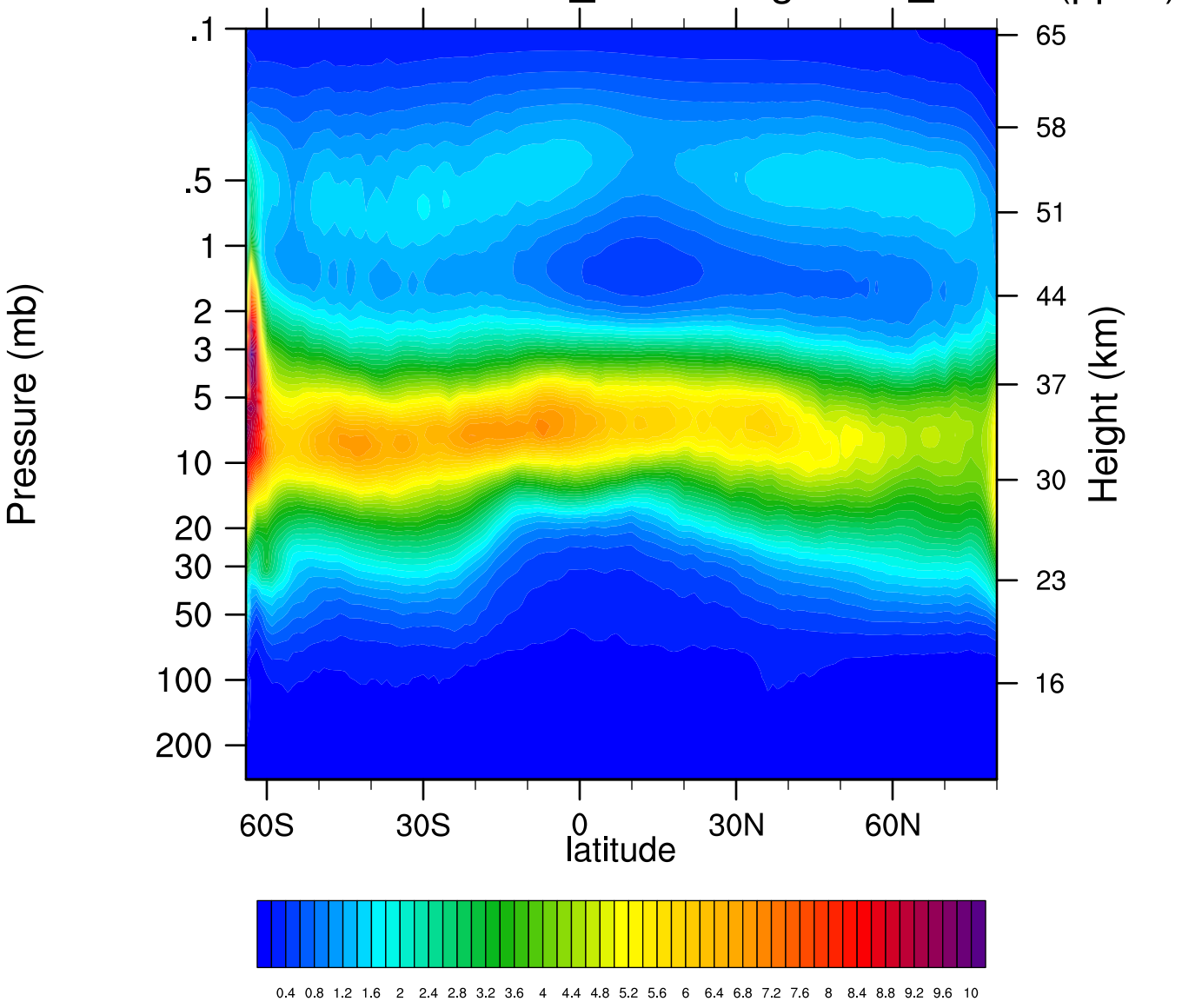

HIRDLSv7 2007d258 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

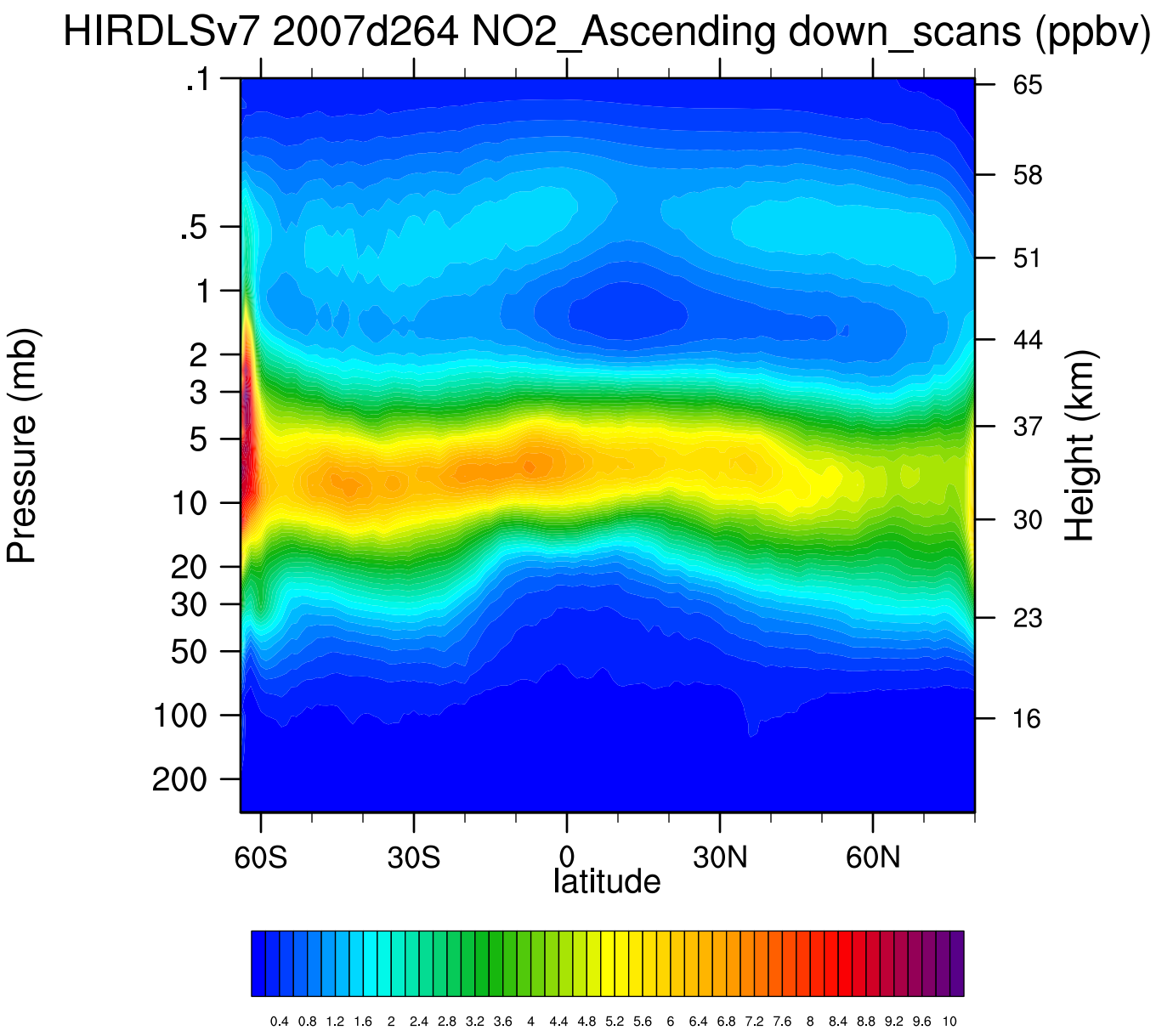

HIRDLSv7 2007d259 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

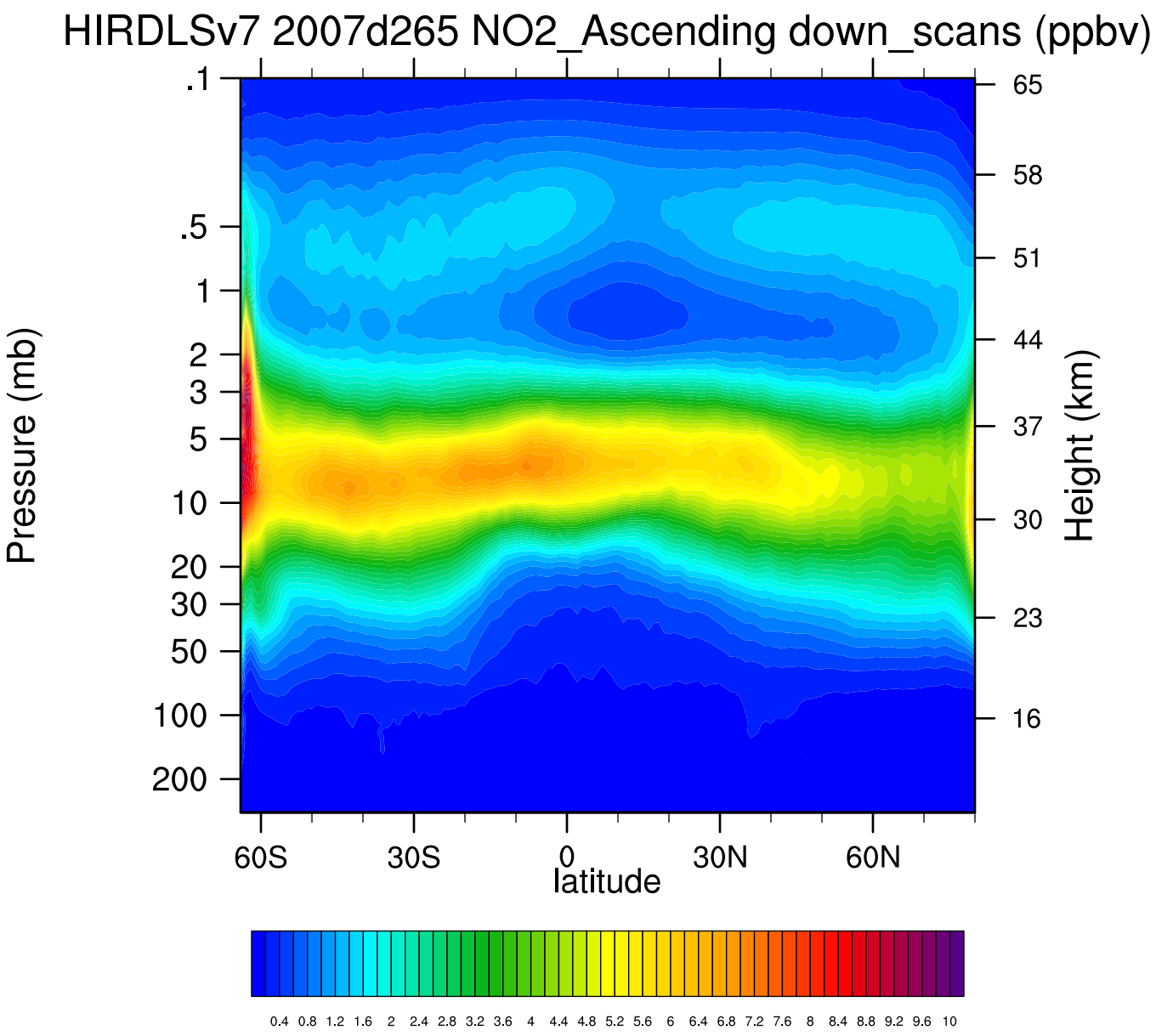

HIRDLSv7 2007d260 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

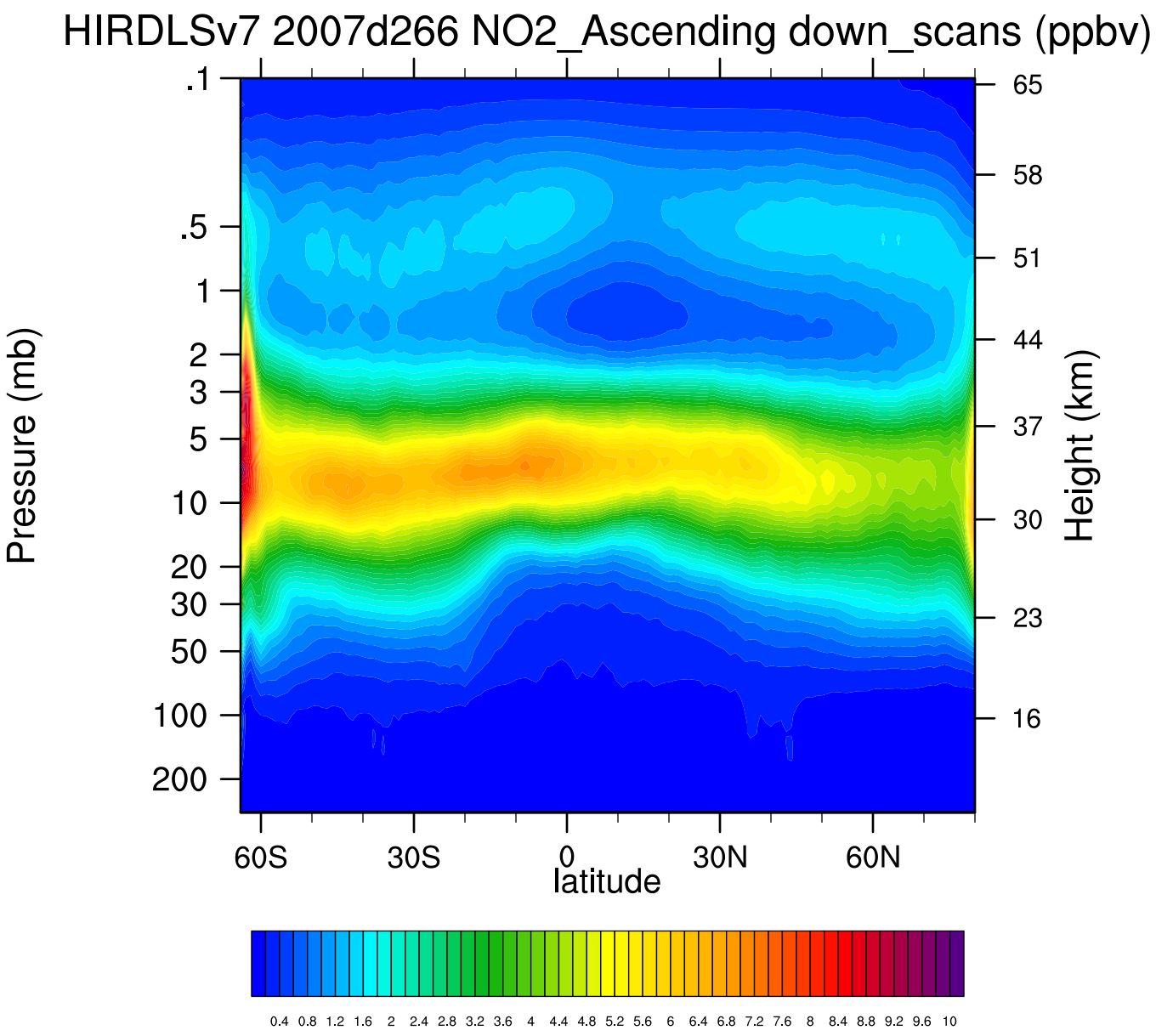

HIRDLSv7 2007d261 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

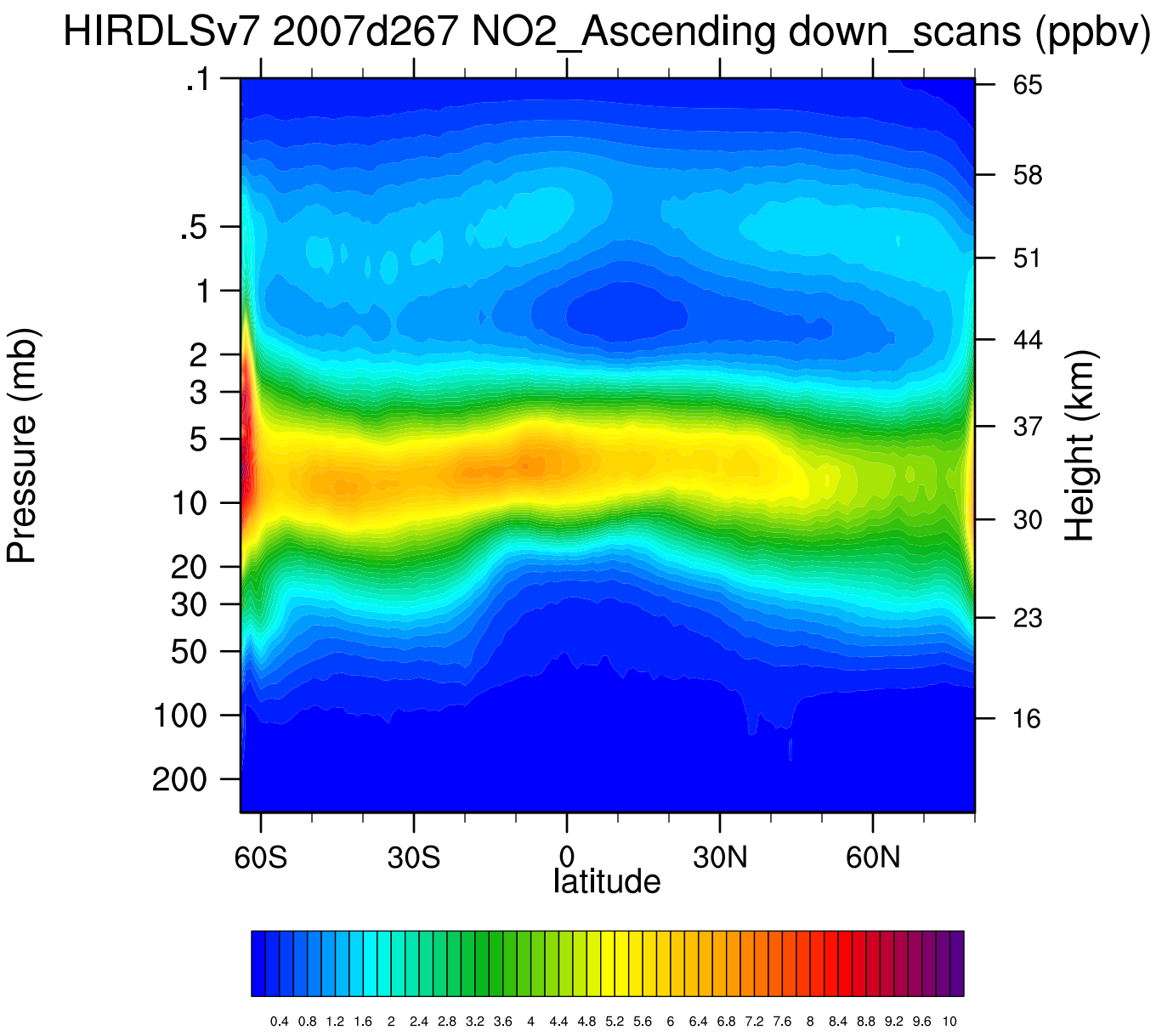

HIRDLSv7 2007d262 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

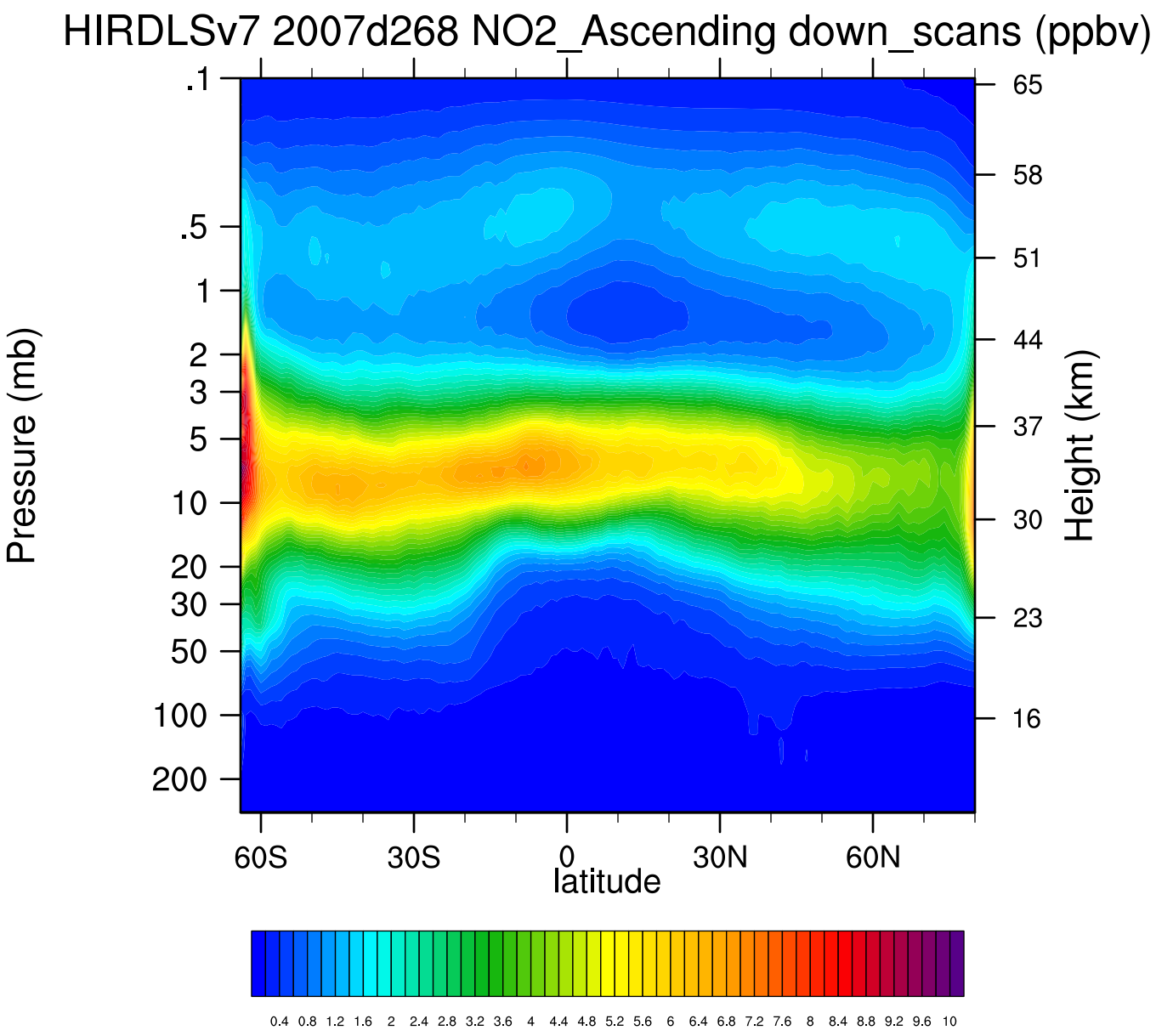

HIRDLSv7 2007d263 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

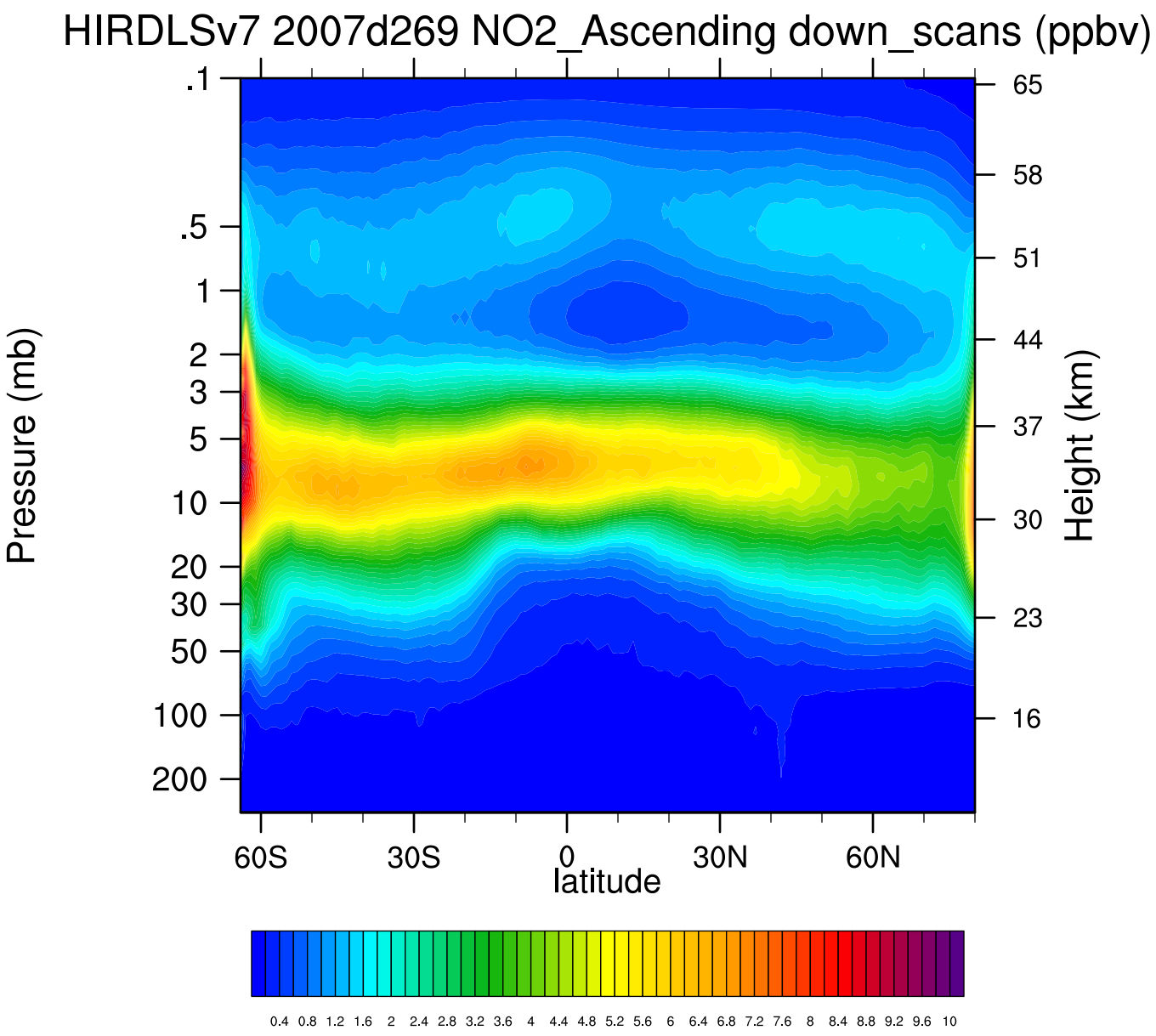

HIRDLSv7 2007d264 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

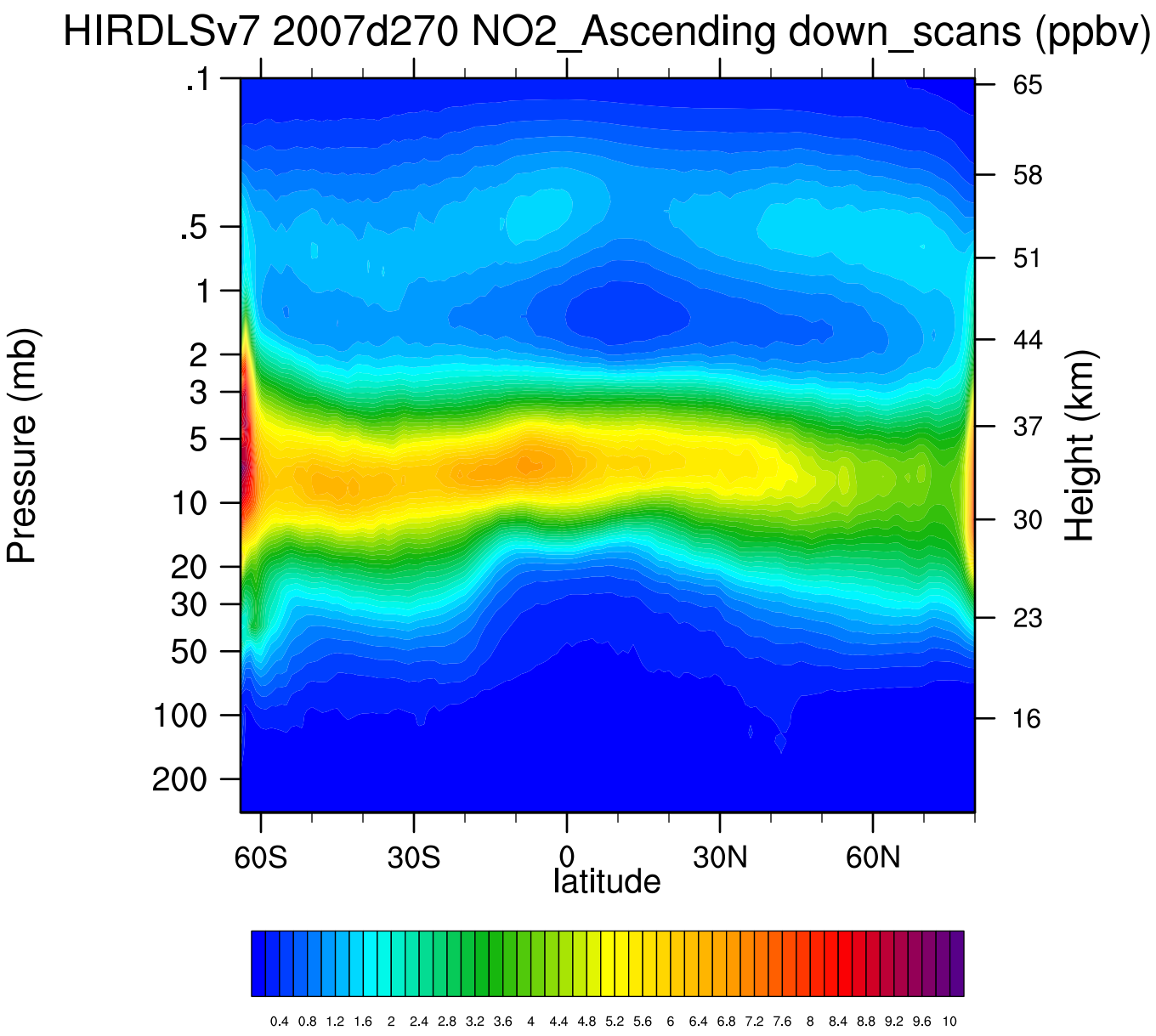

HIRDLSv7 2007d265 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

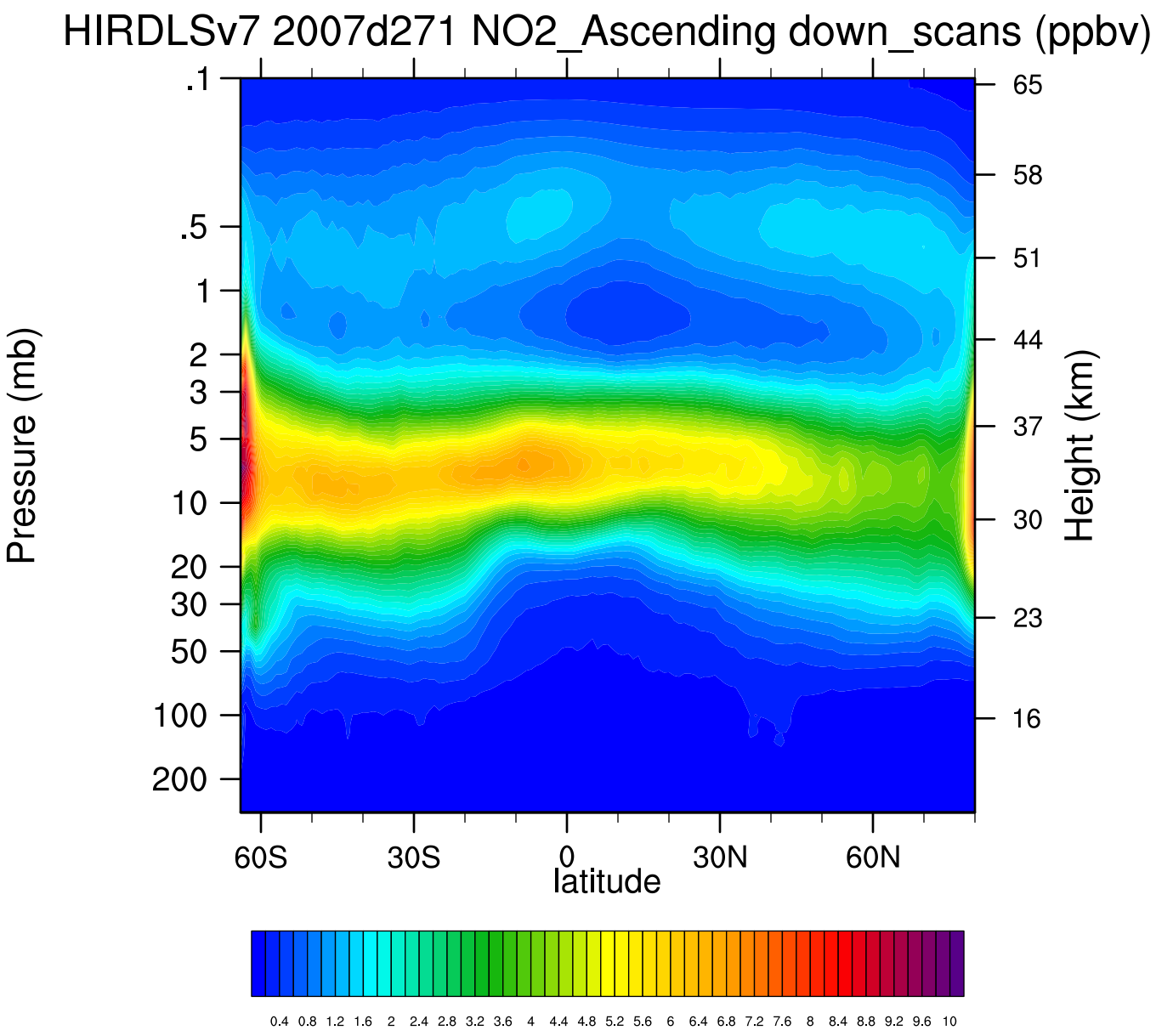

HIRDLSv7 2007d266 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

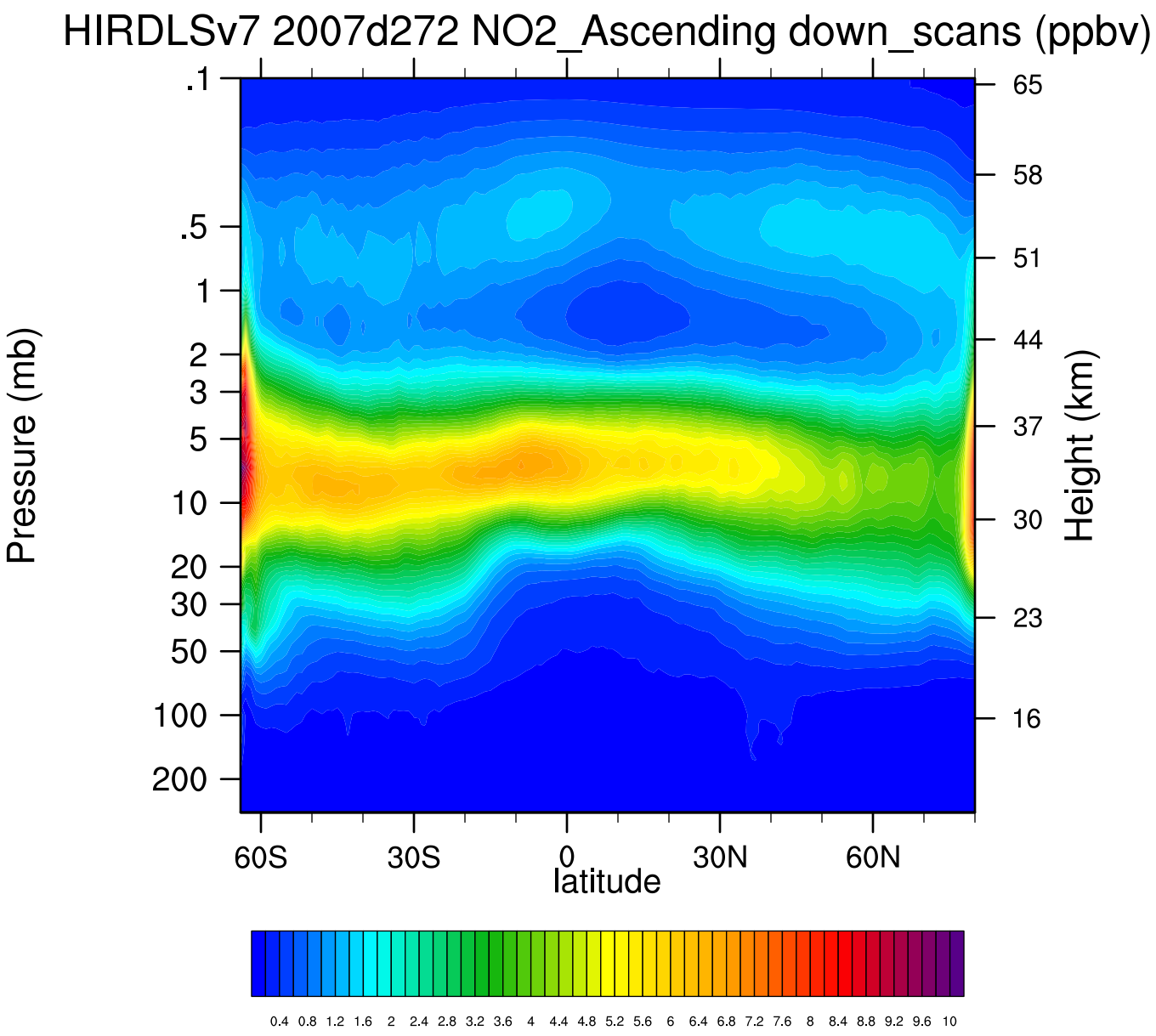

HIRDLSv7 2007d267 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

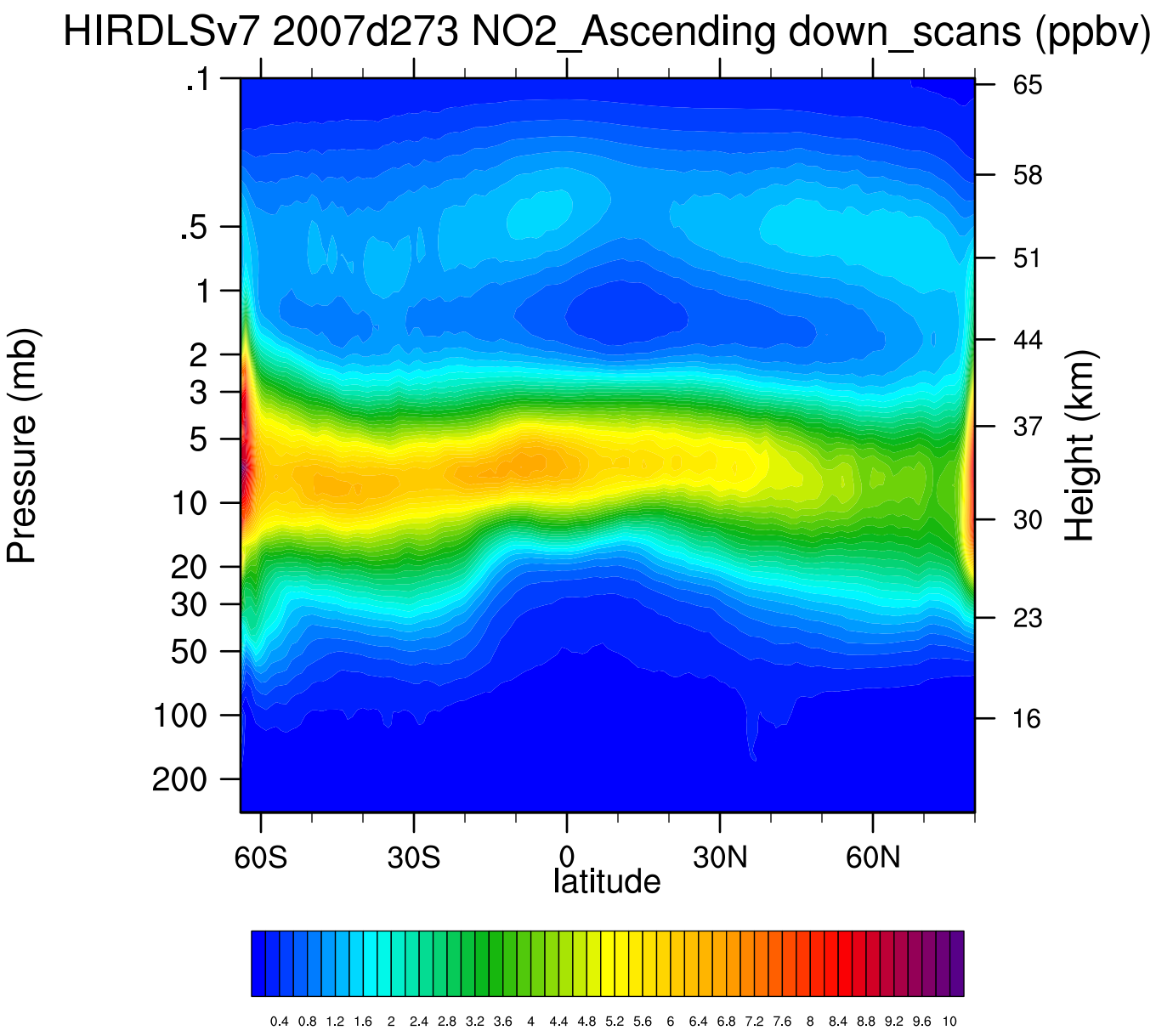

HIRDLSv7 2007d268 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

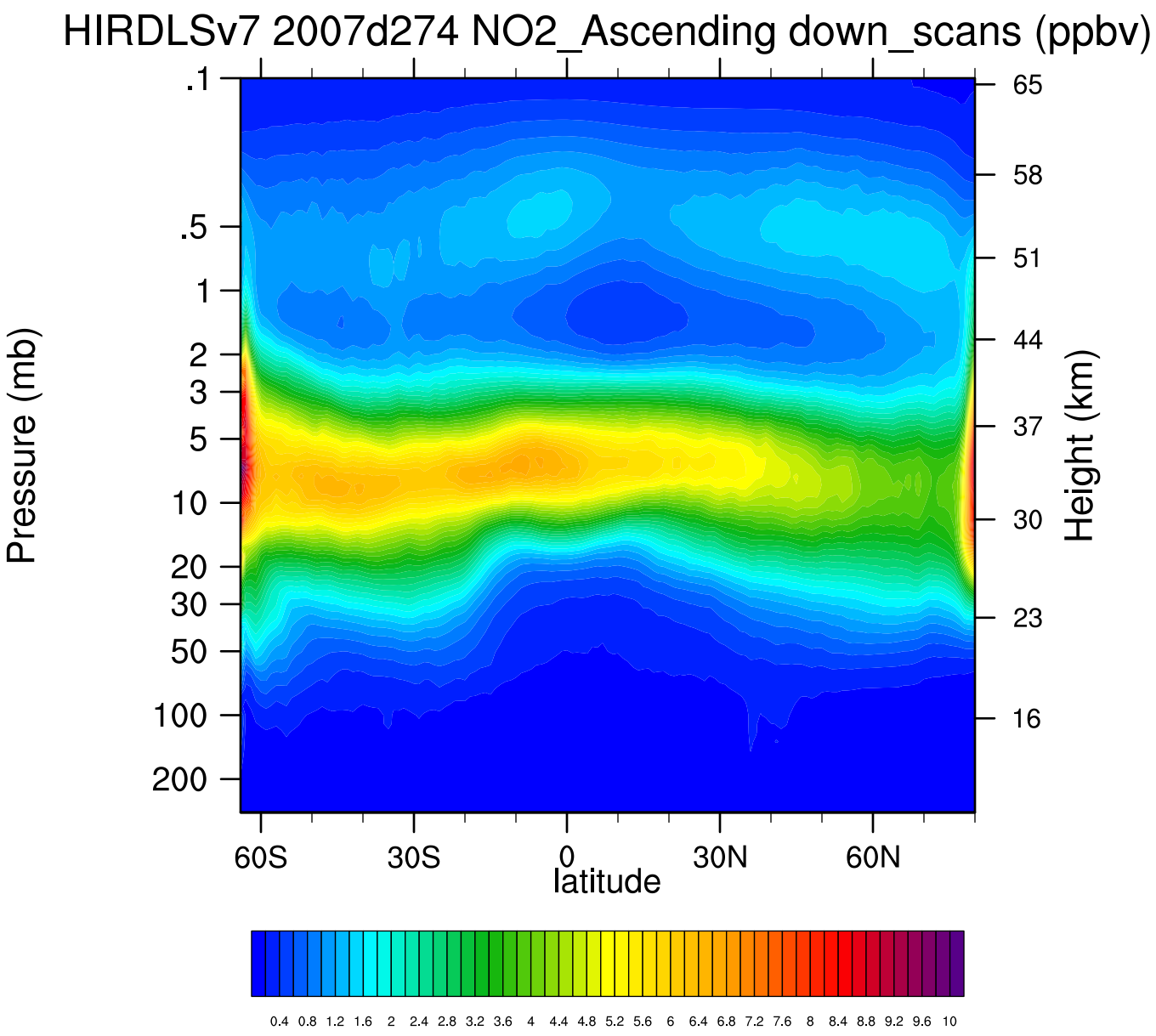

HIRDLSv7 2007d269 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

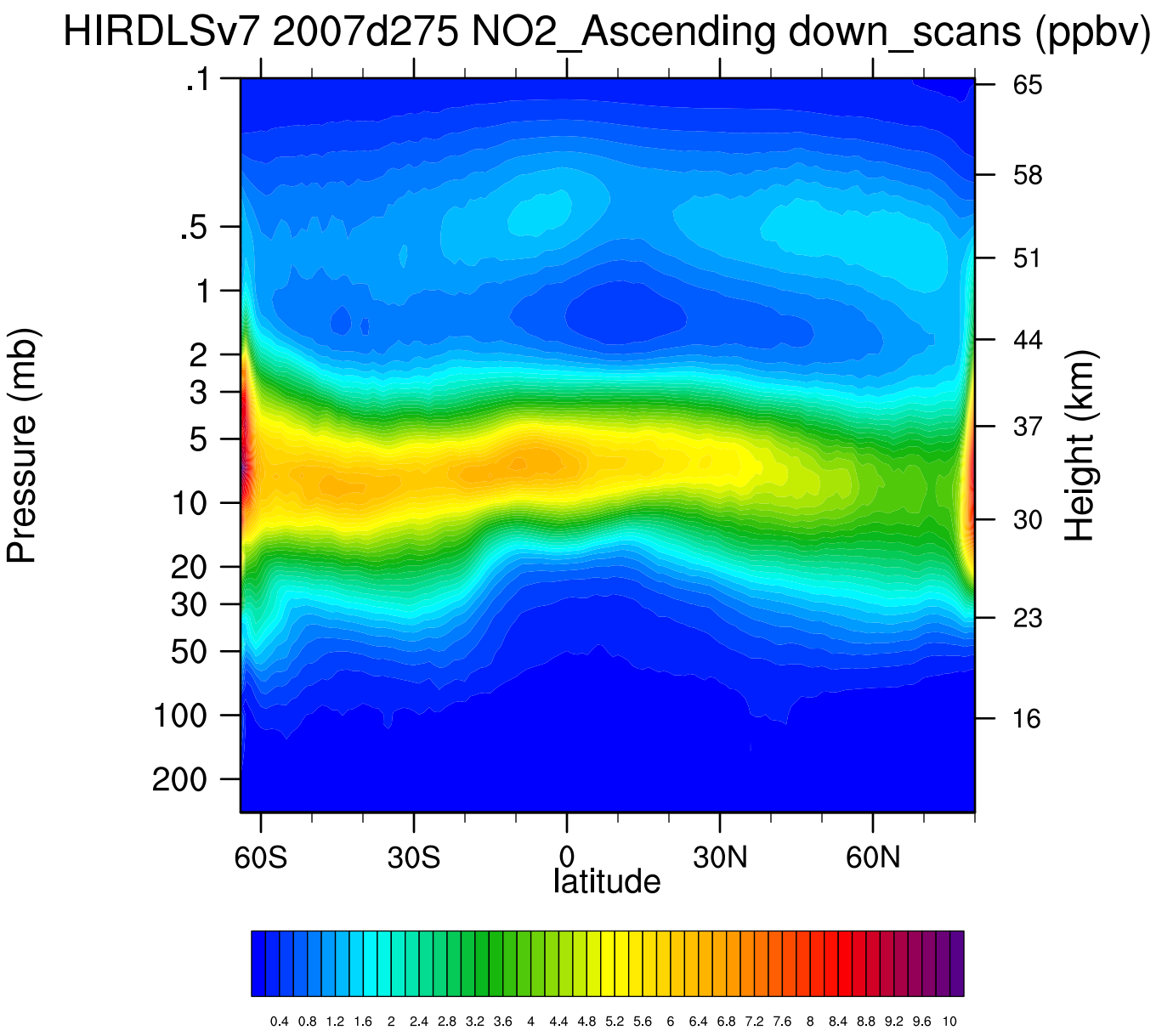

HIRDLSv7 2007d270 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

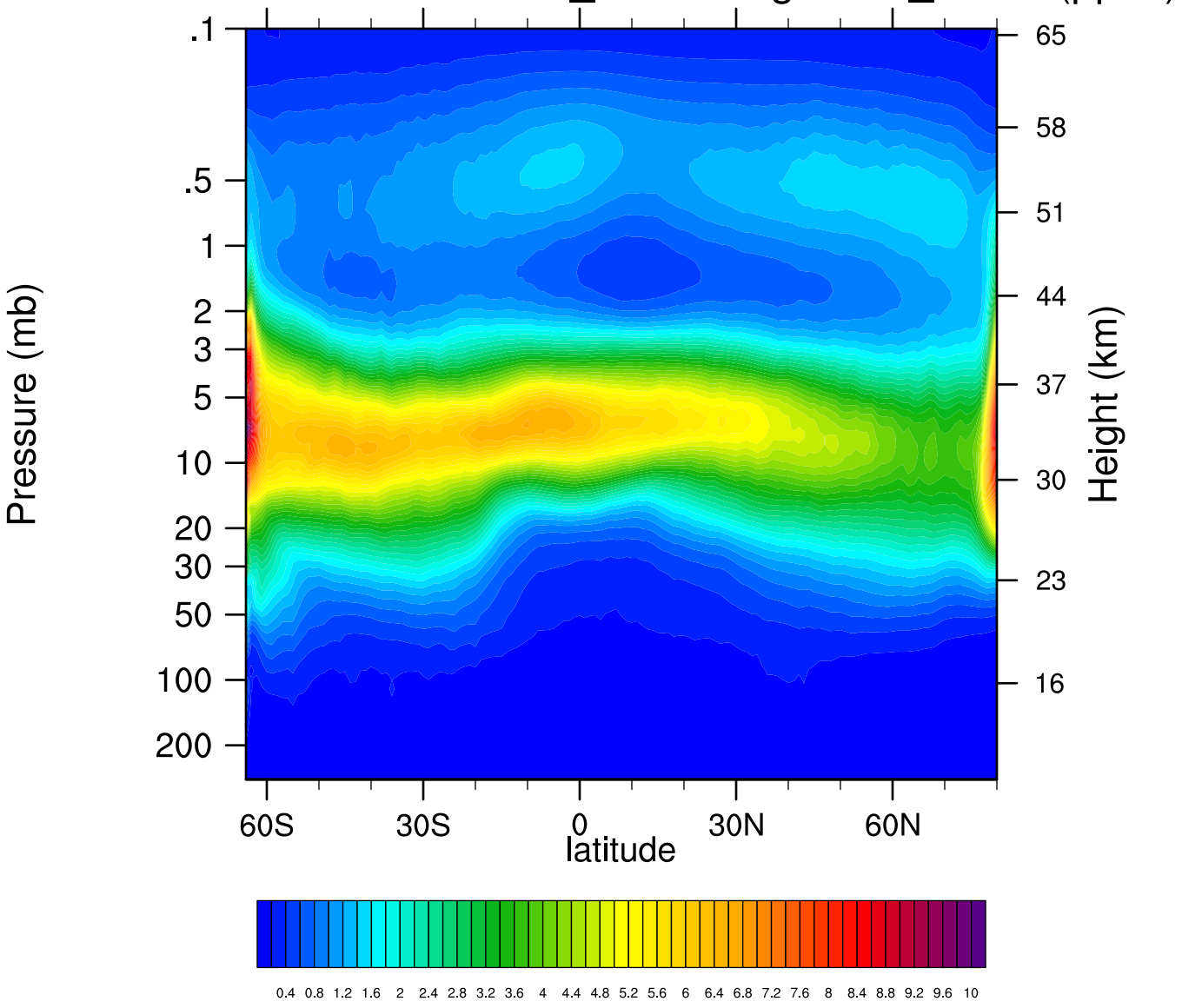

HIRDLSv7 2007d271 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

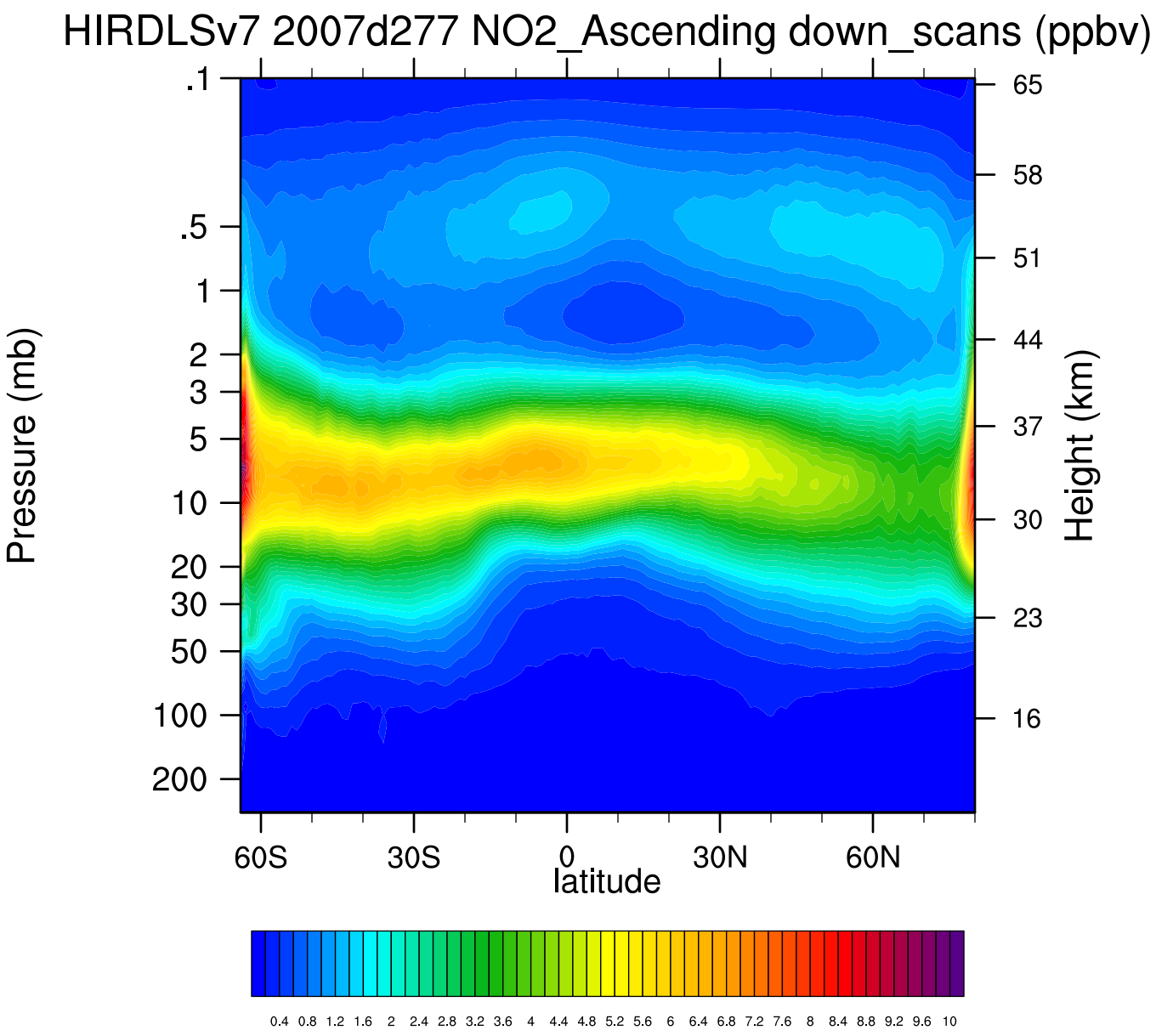

HIRDLSv7 2007d272 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

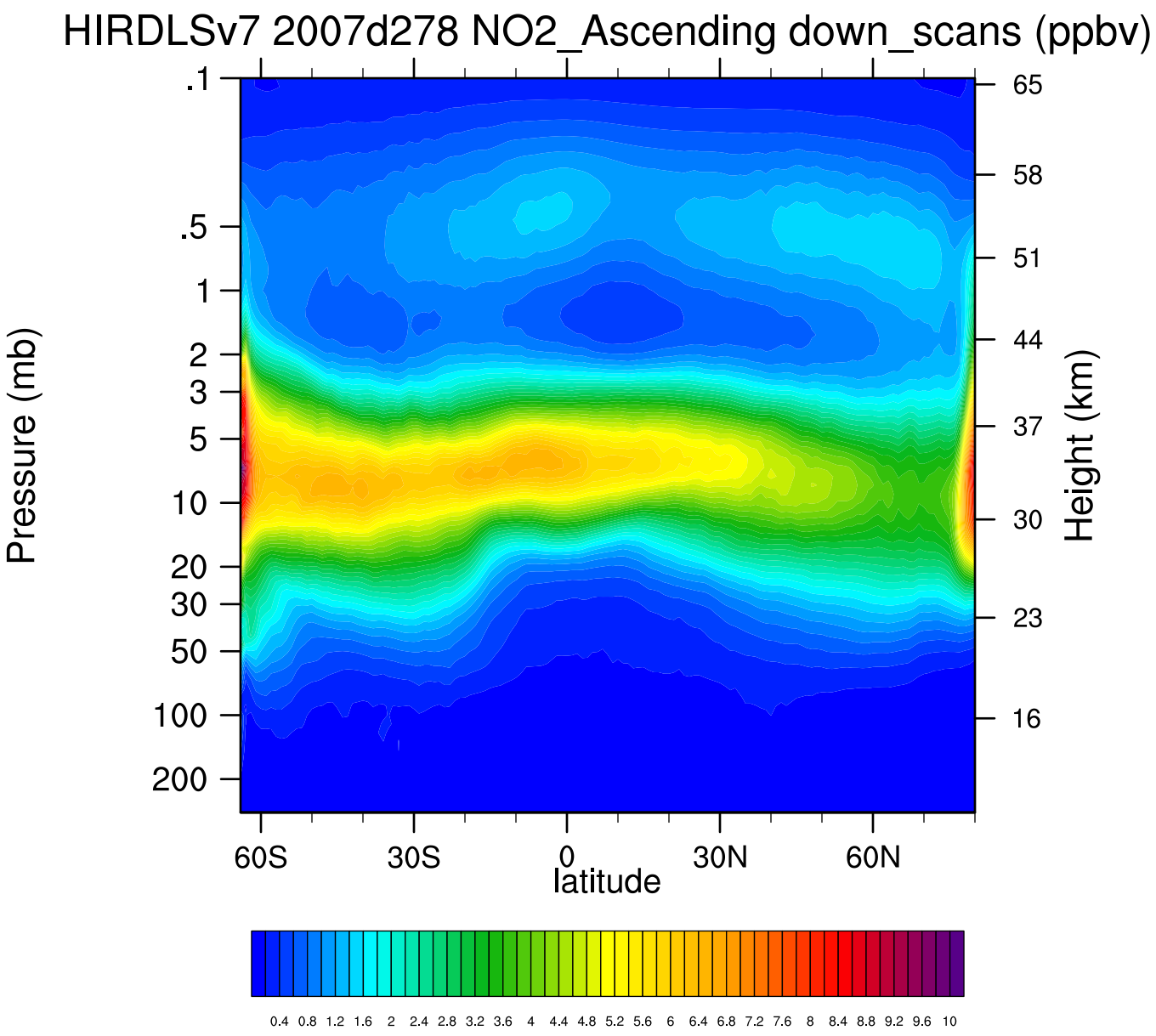

HIRDLSv7 2007d273 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

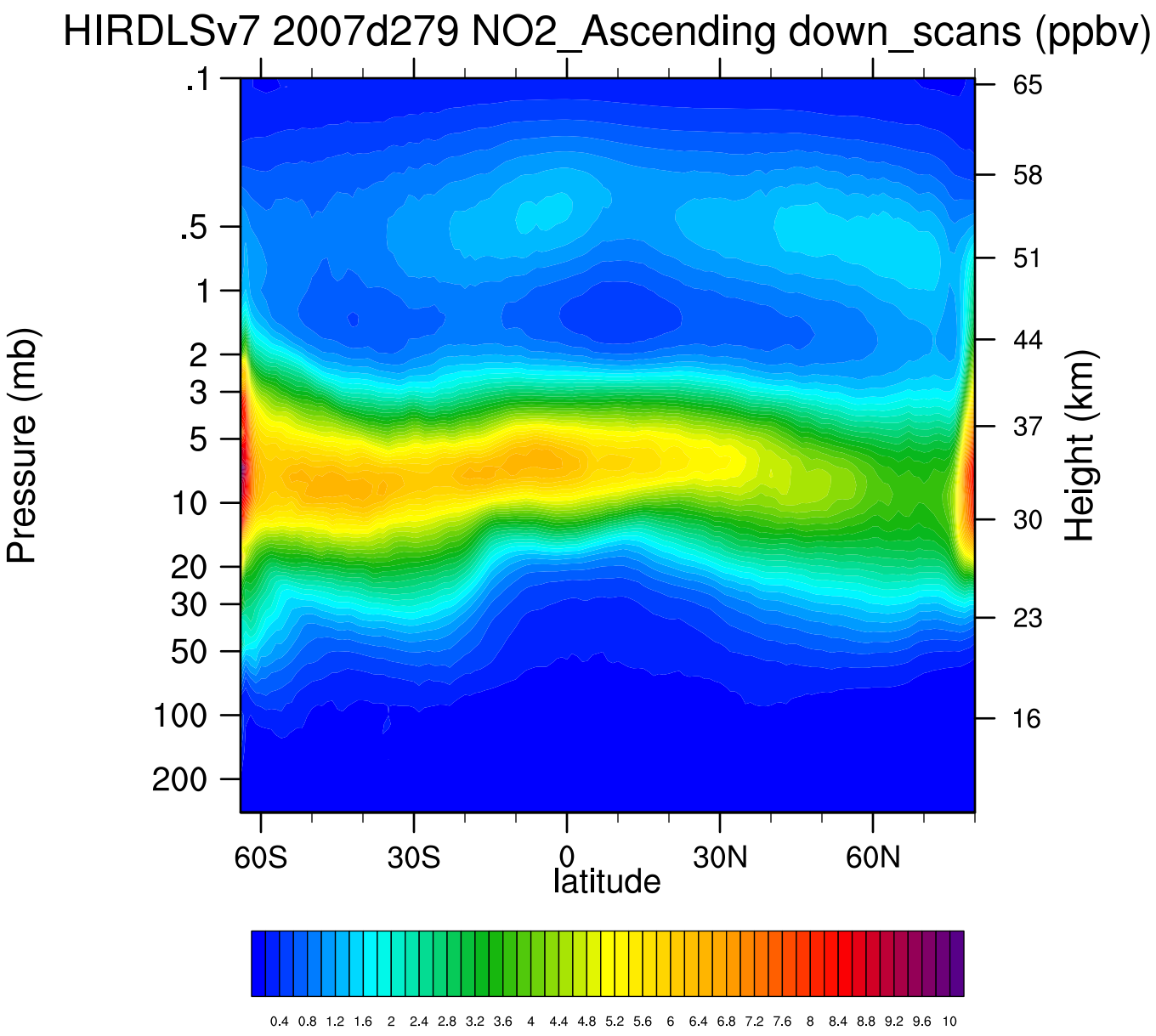

HIRDLSv7 2007d274 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

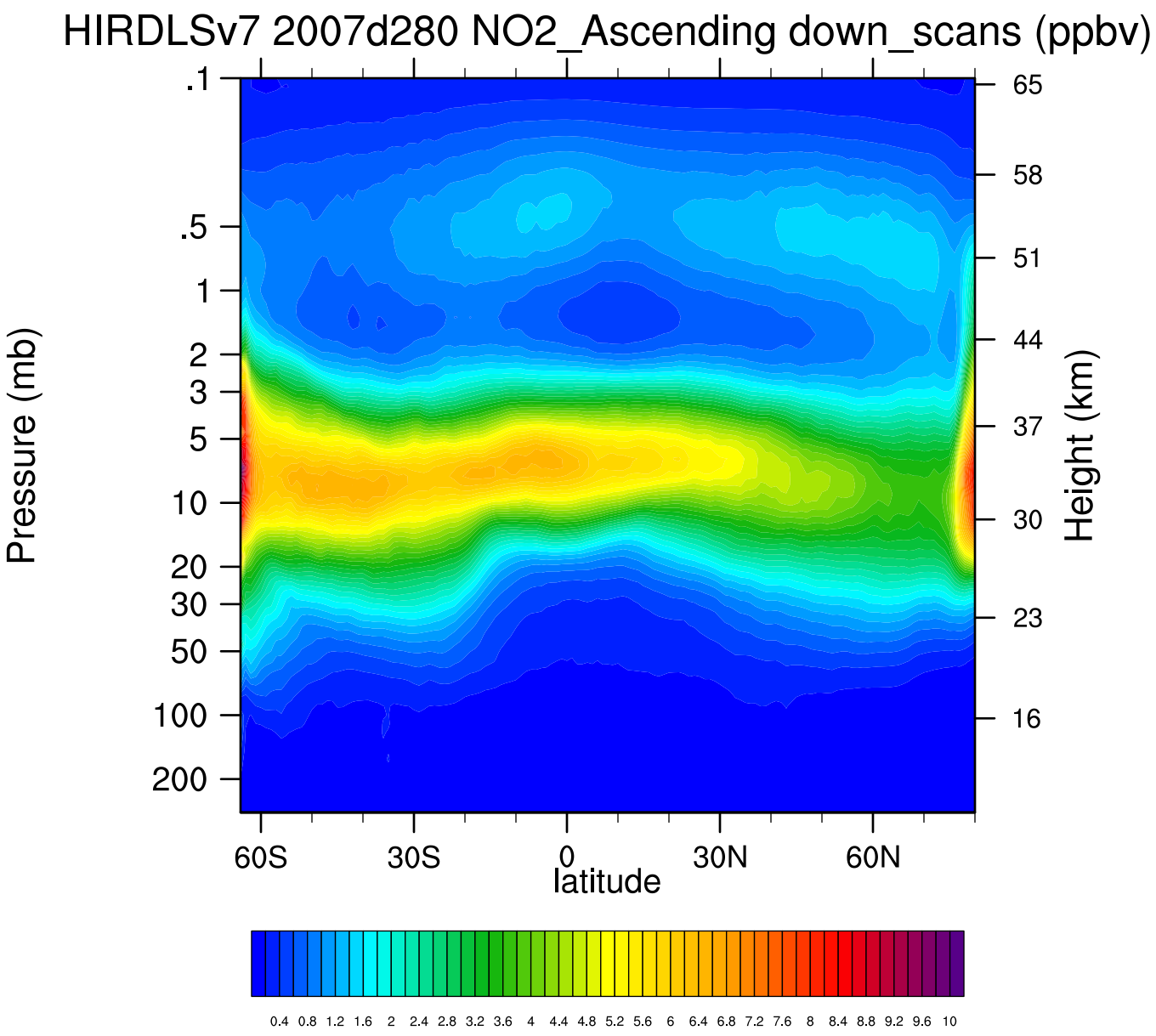

HIRDLSv7 2007d275 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

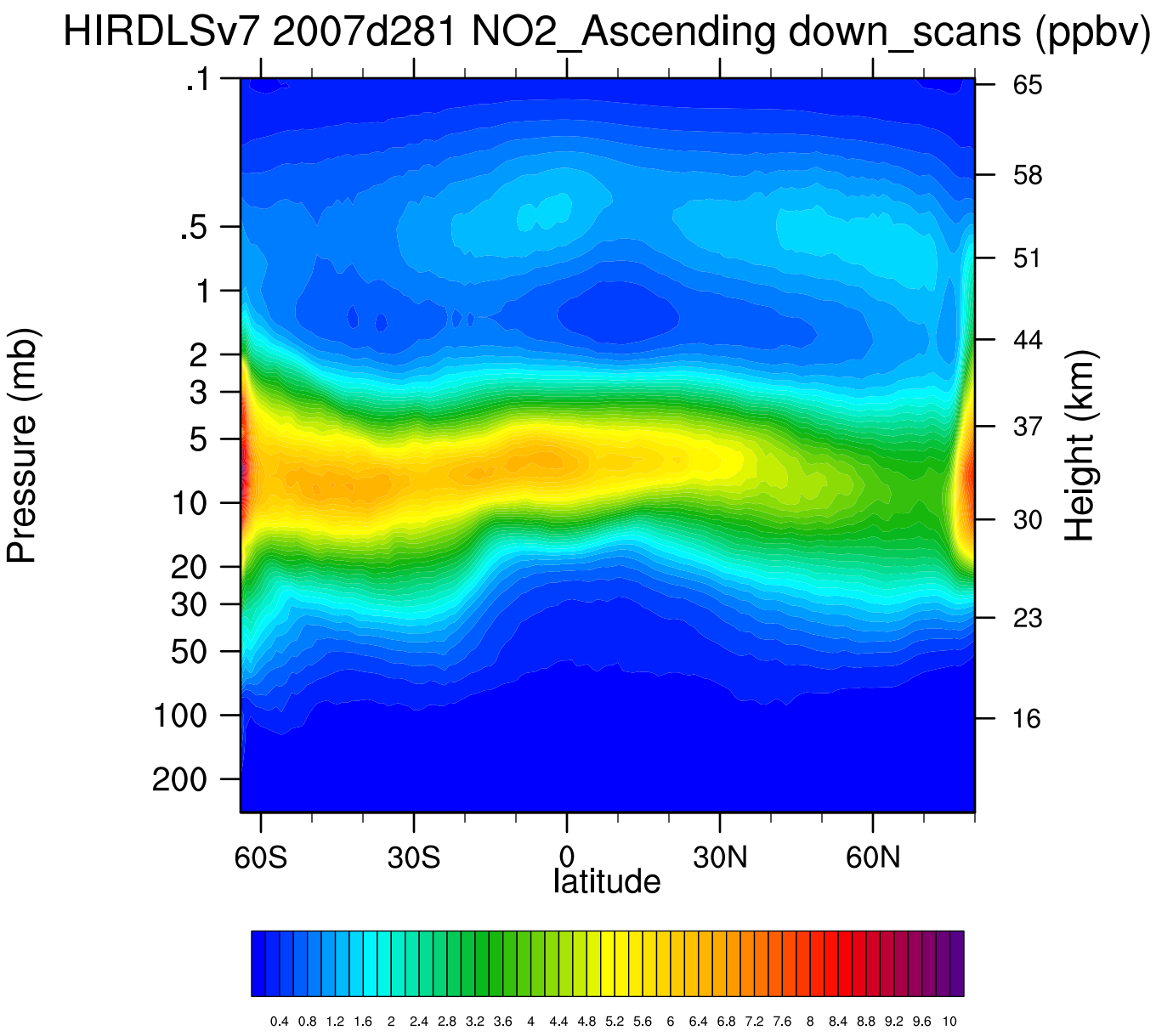

HIRDLSv7 2007d276 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

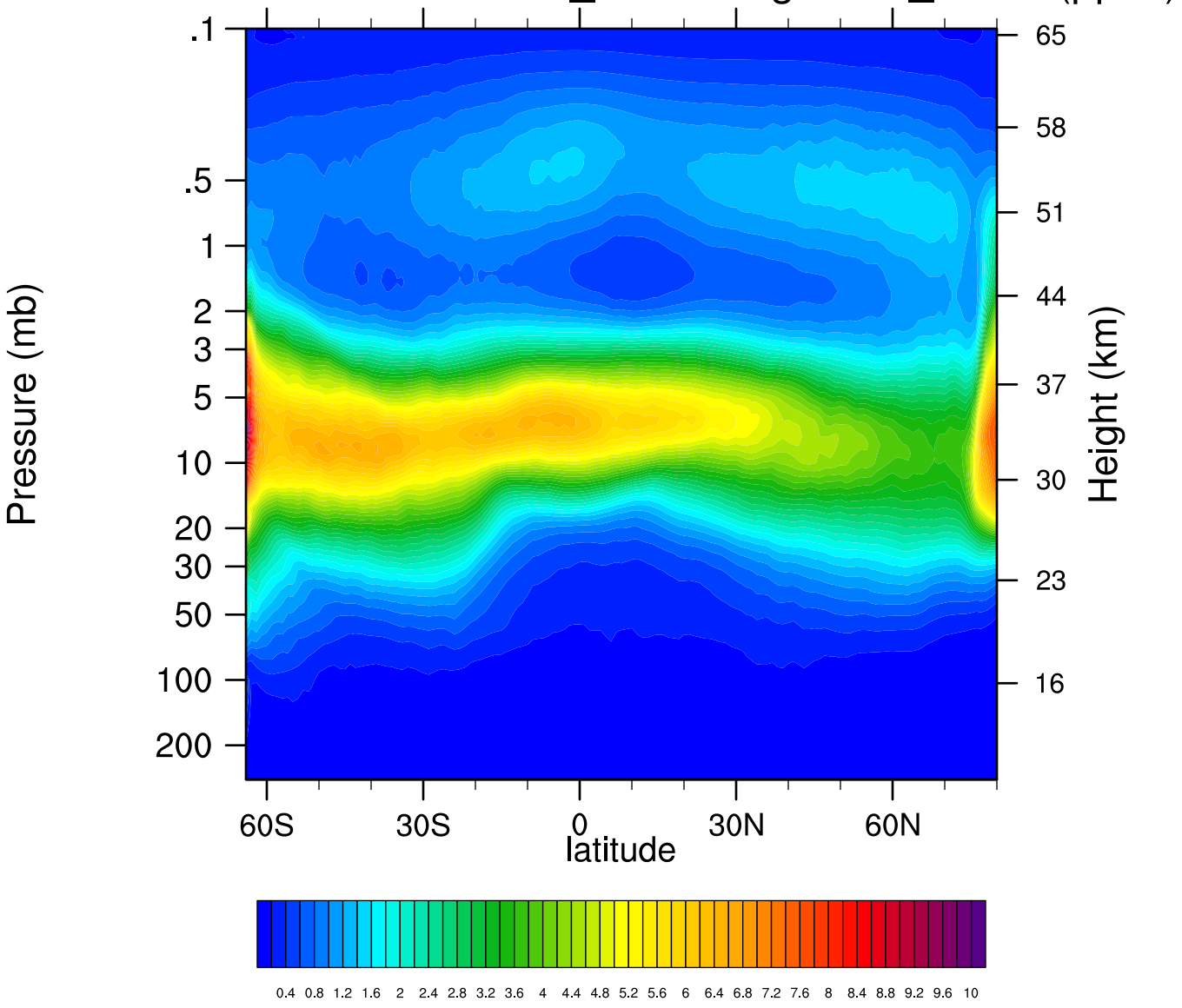

HIRDLSv7 2007d277 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

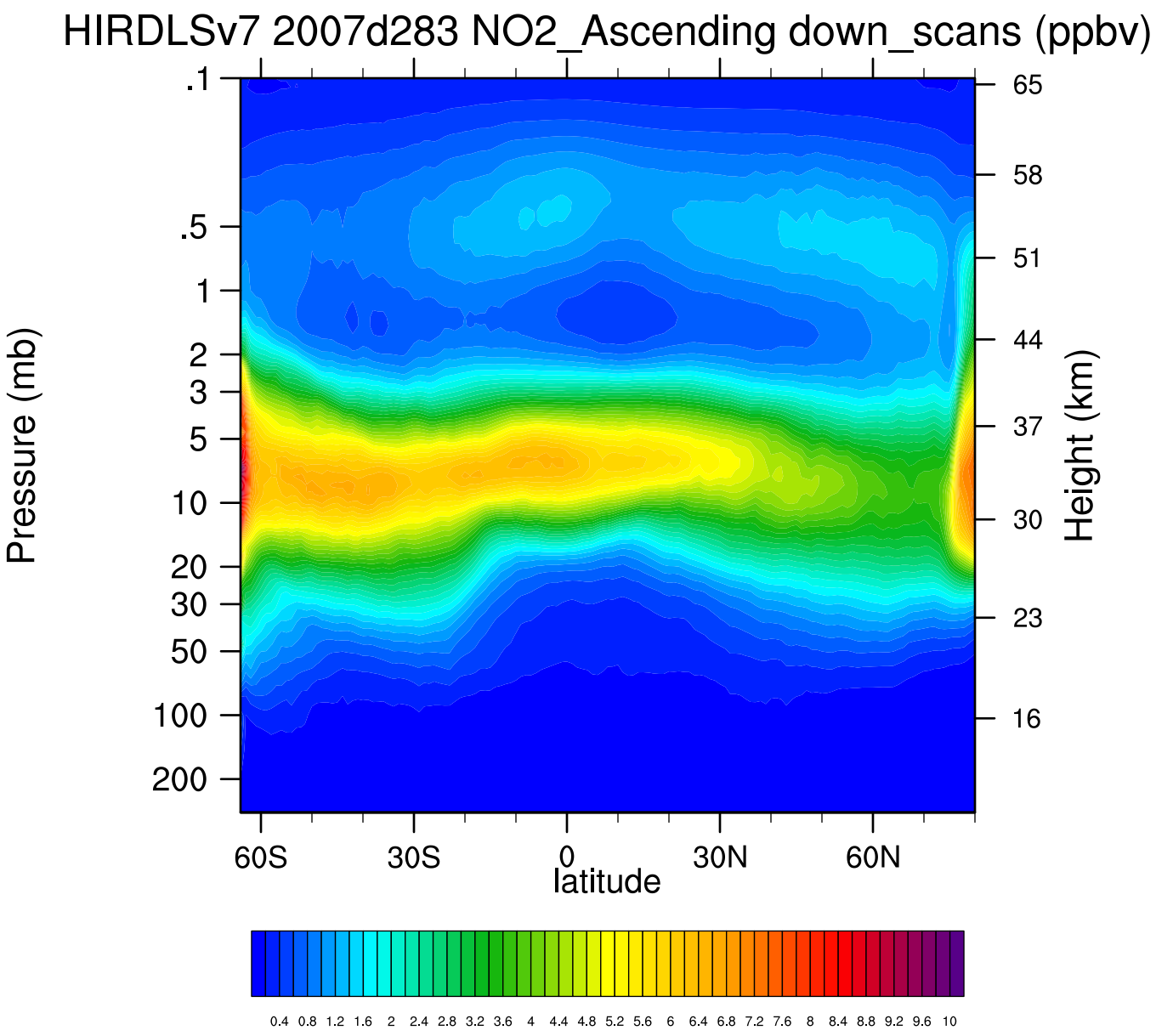

HIRDLSv7 2007d278 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

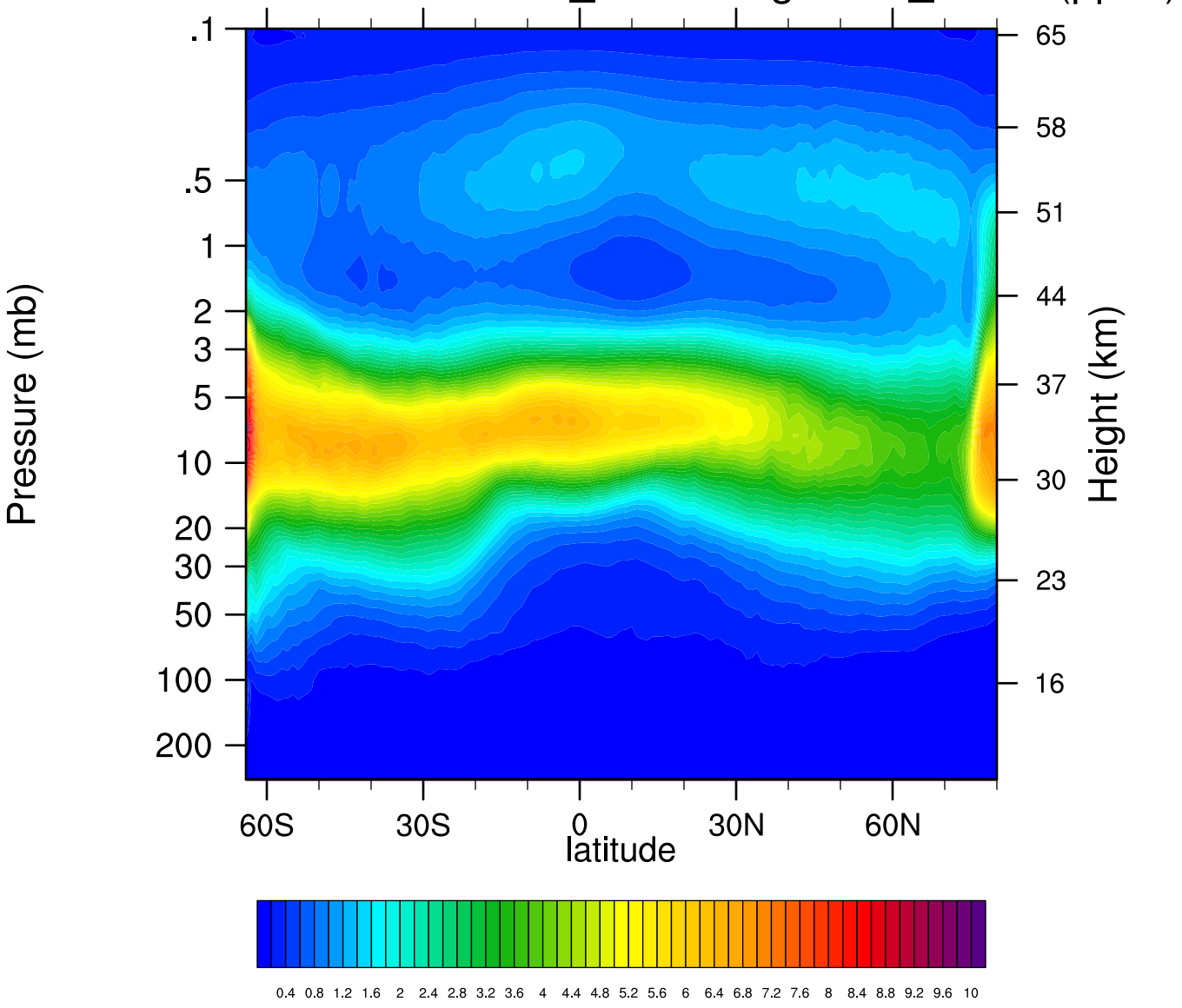

HIRDLSv7 2007d279 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

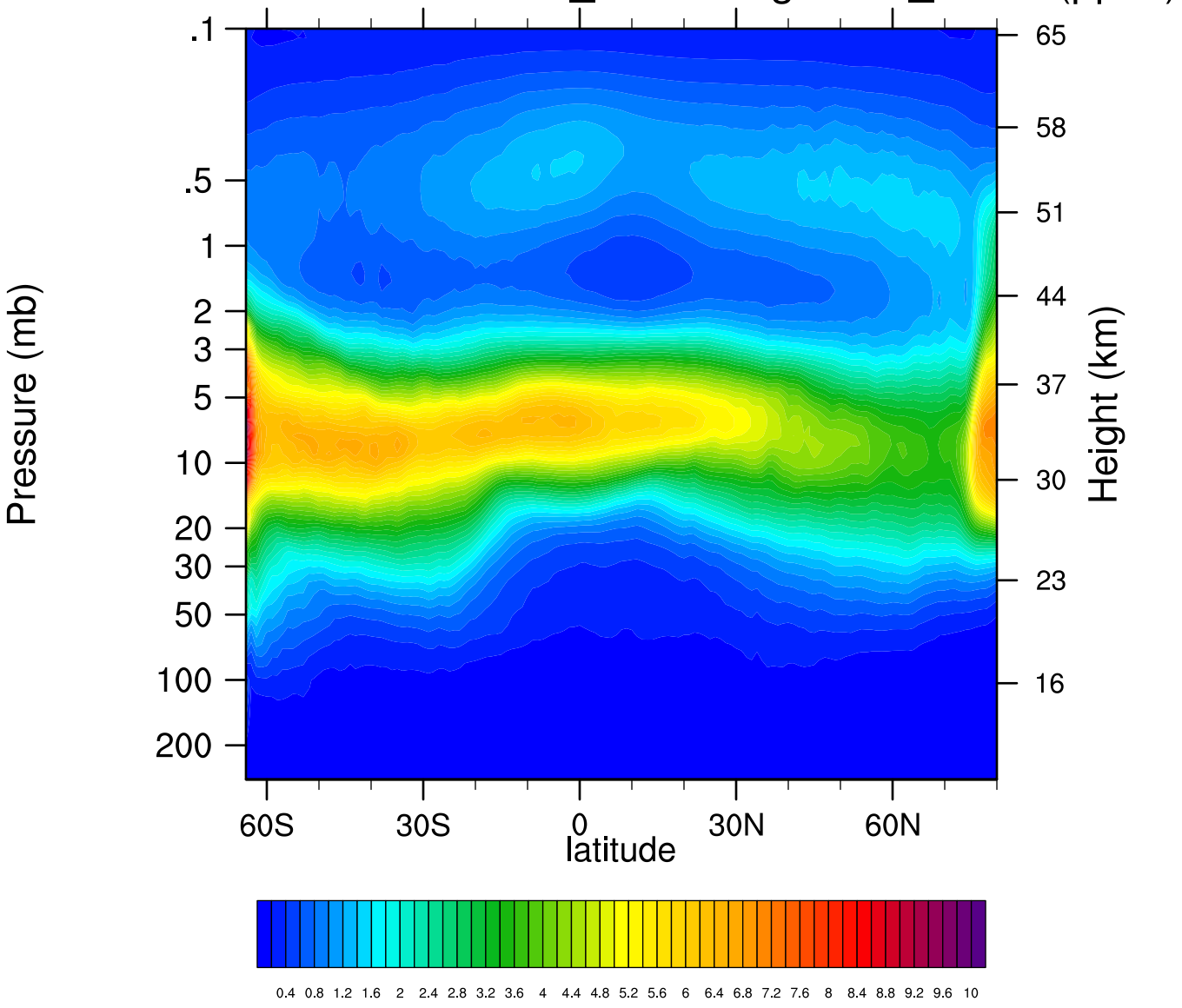

HIRDLSv7 2007d280 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

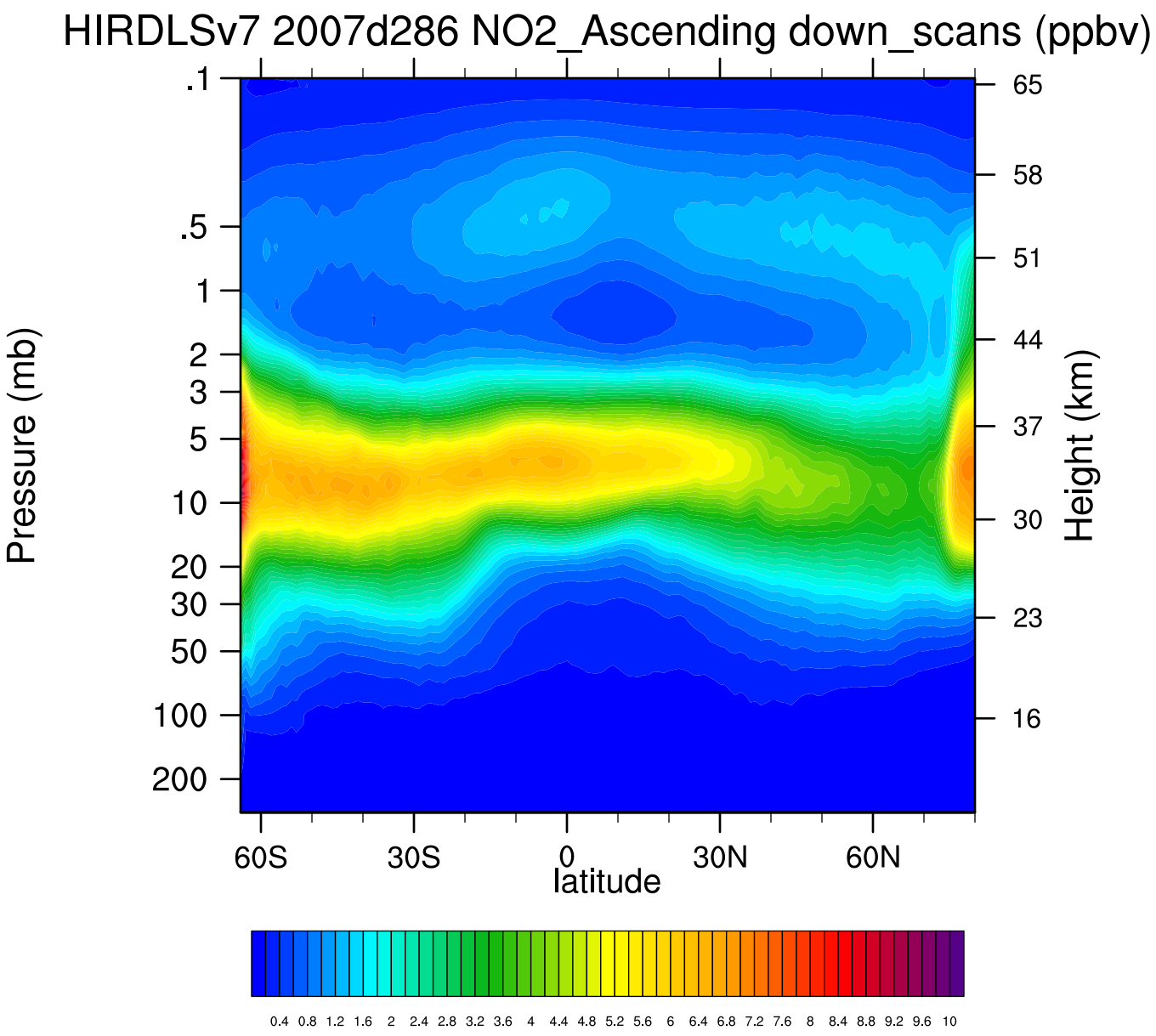

HIRDLSv7 2007d281 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

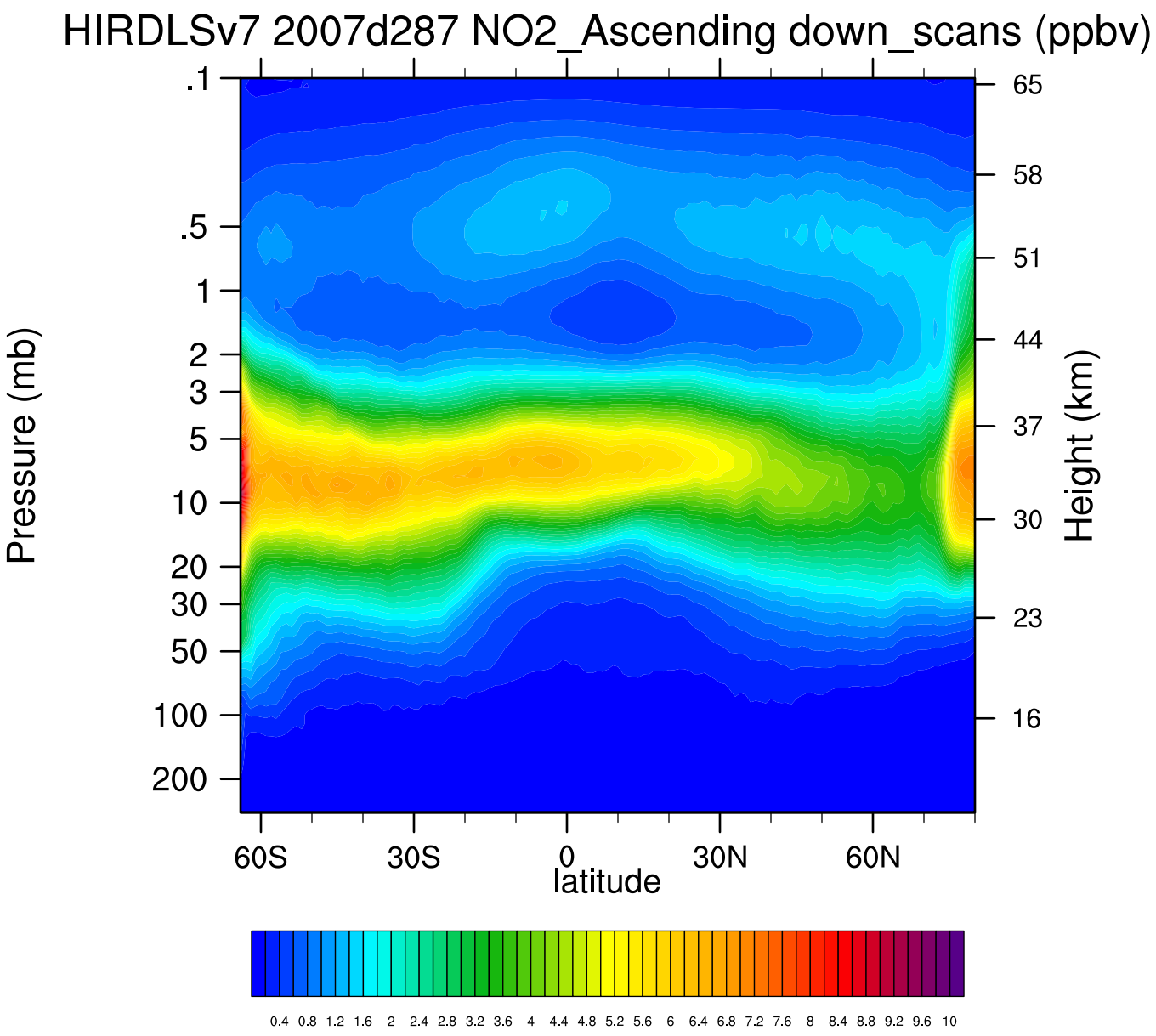

HIRDLSv7 2007d282 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

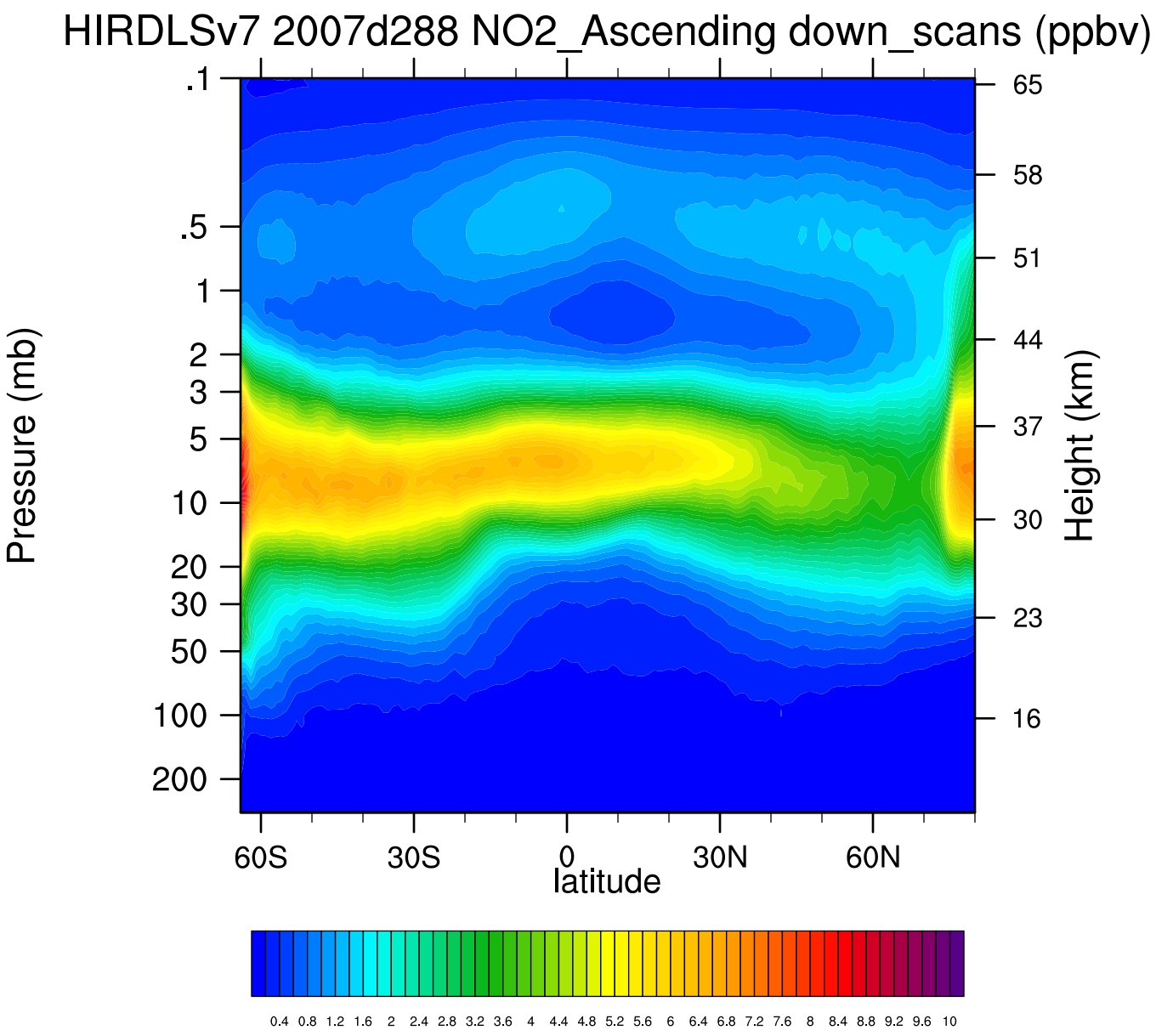

HIRDLSv7 2007d283 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

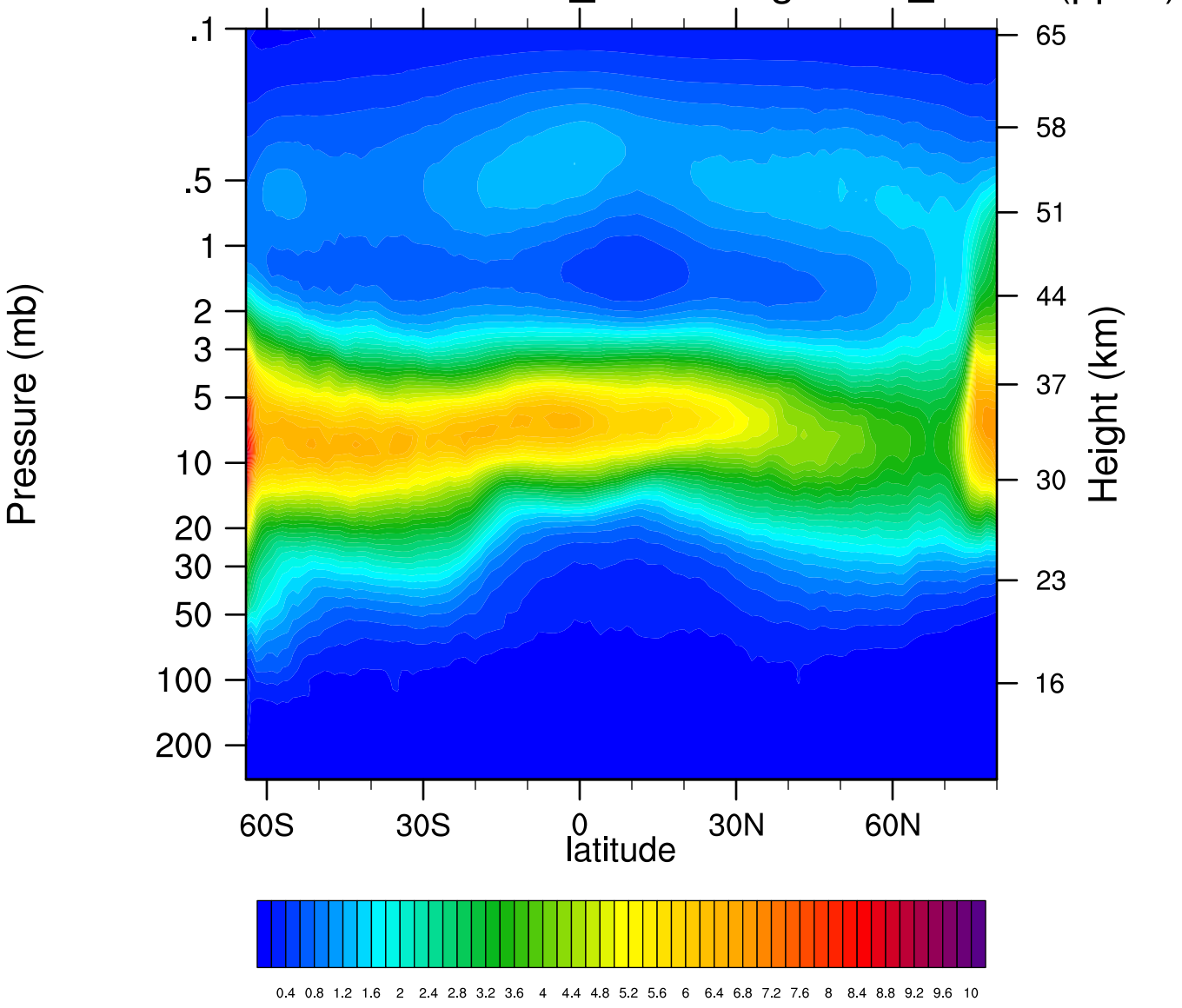

HIRDLSv7 2007d284 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

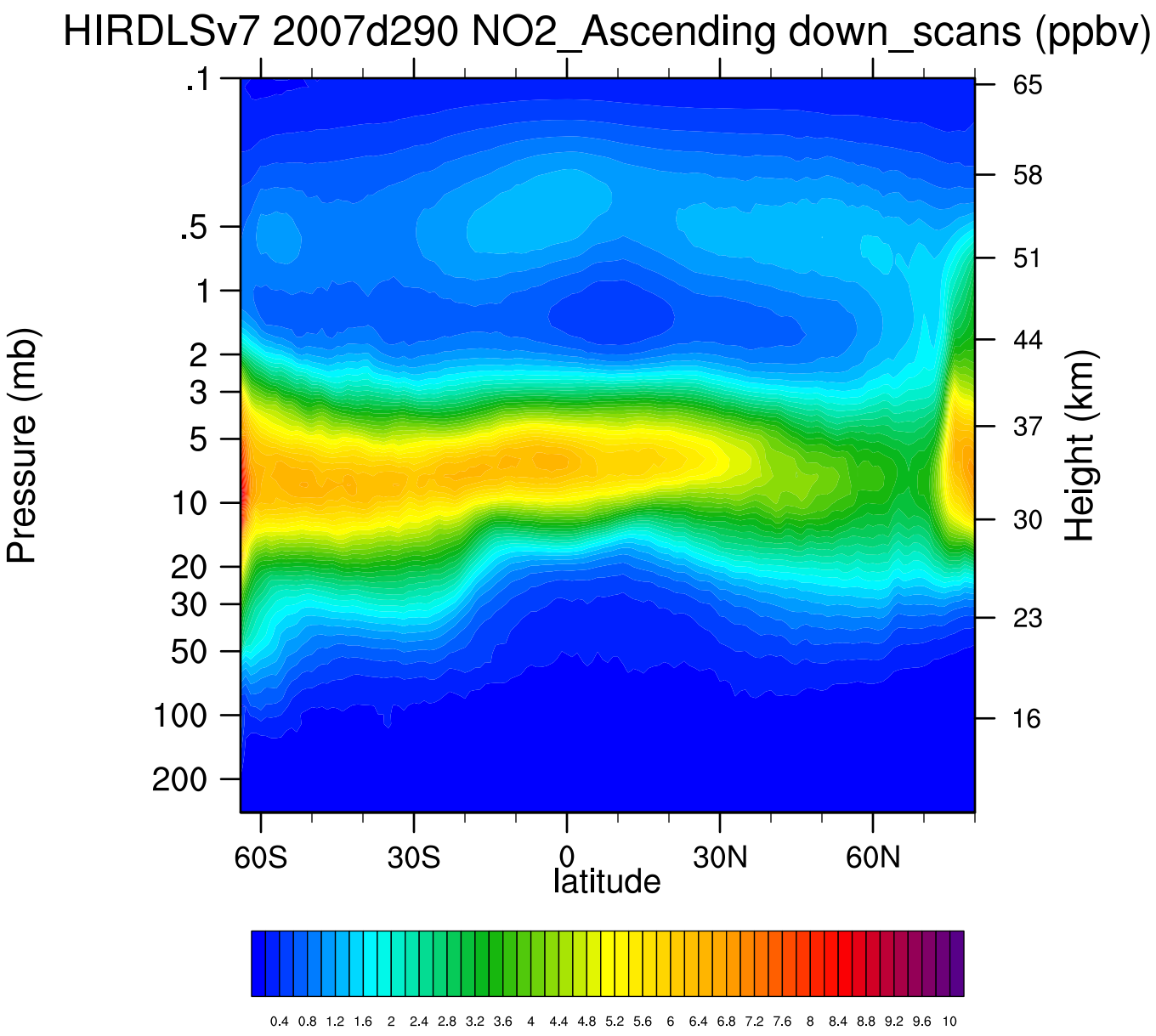

HIRDLSv7 2007d285 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

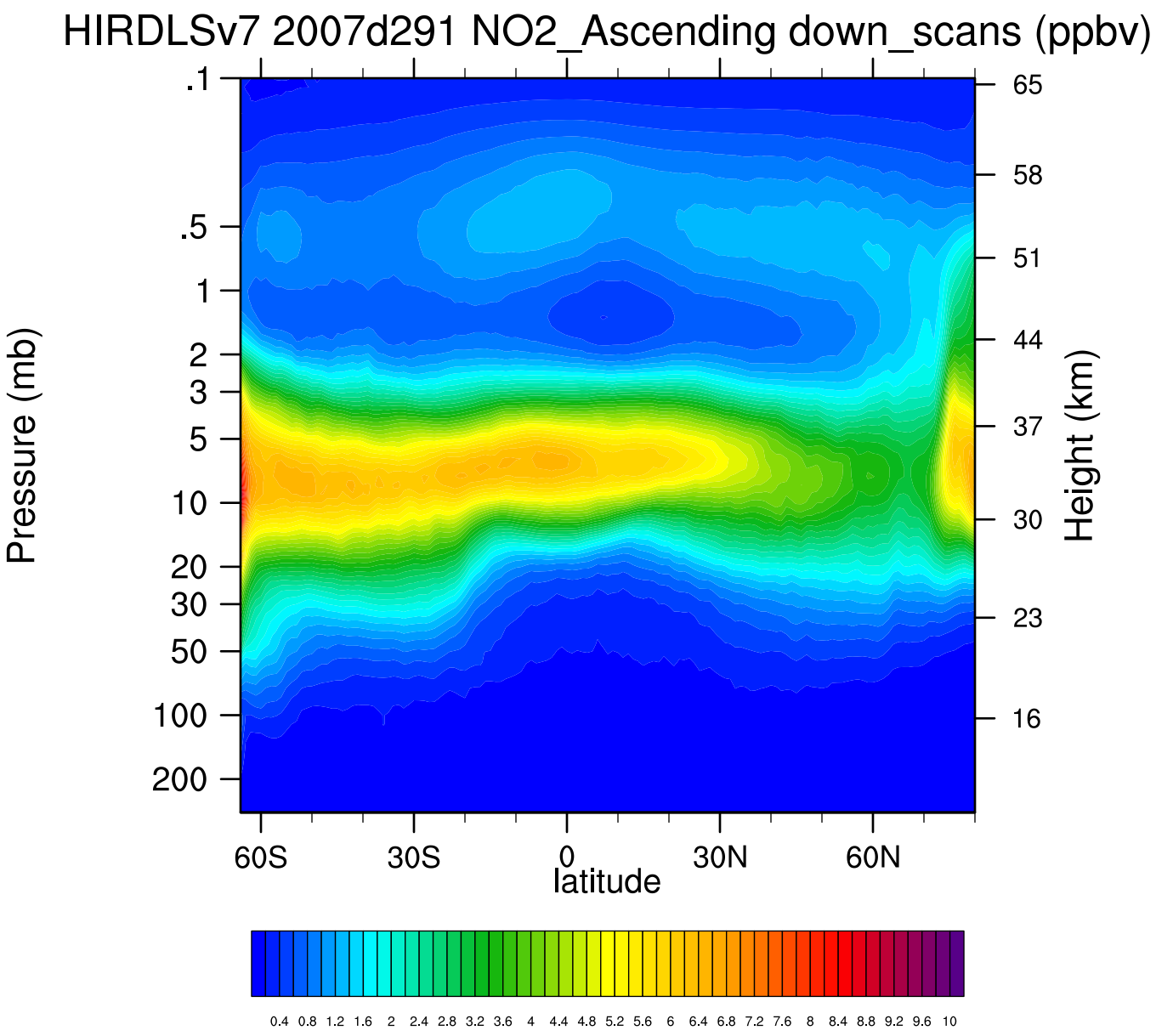

HIRDLSv7 2007d286 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

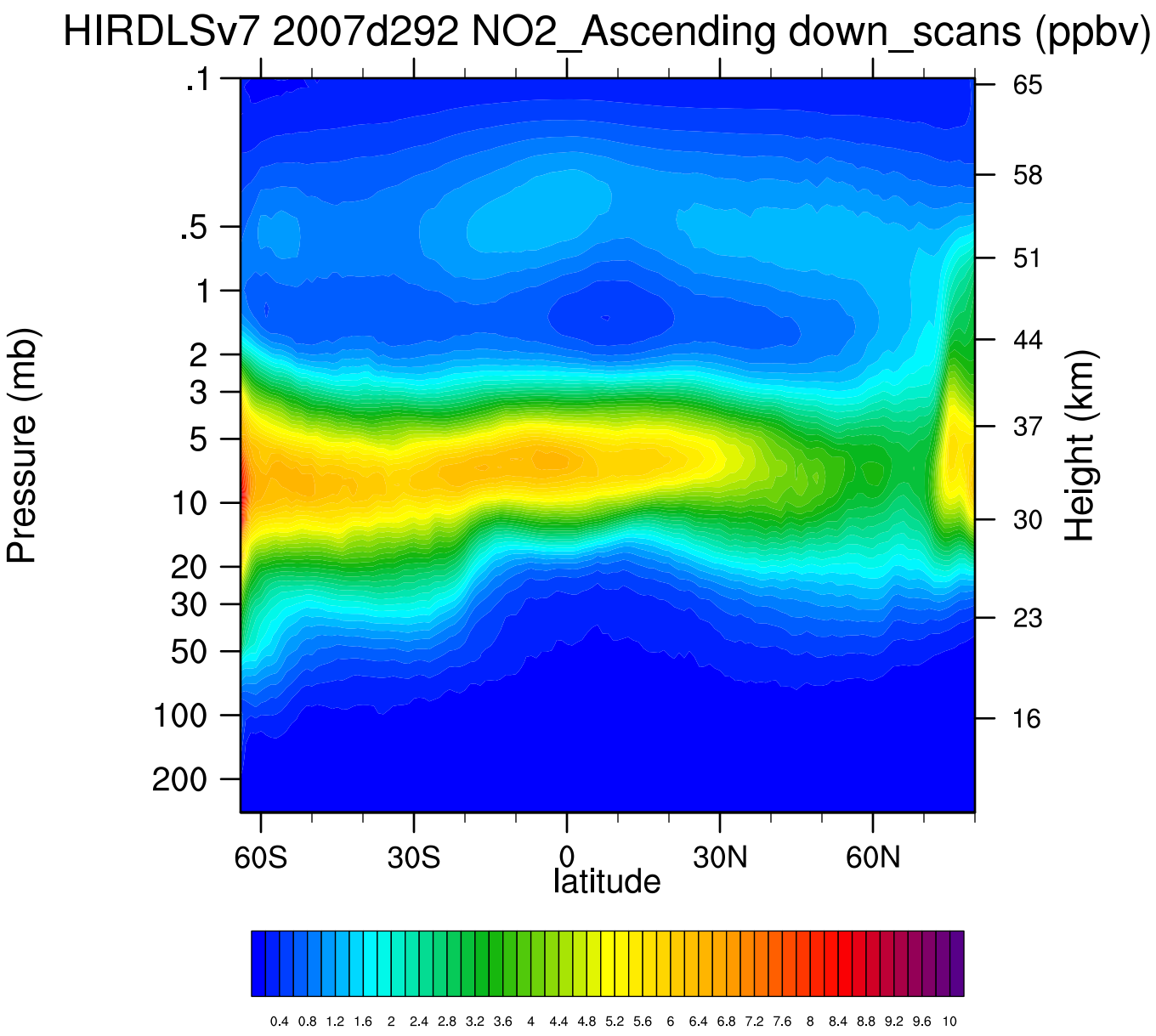

HIRDLSv7 2007d287 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

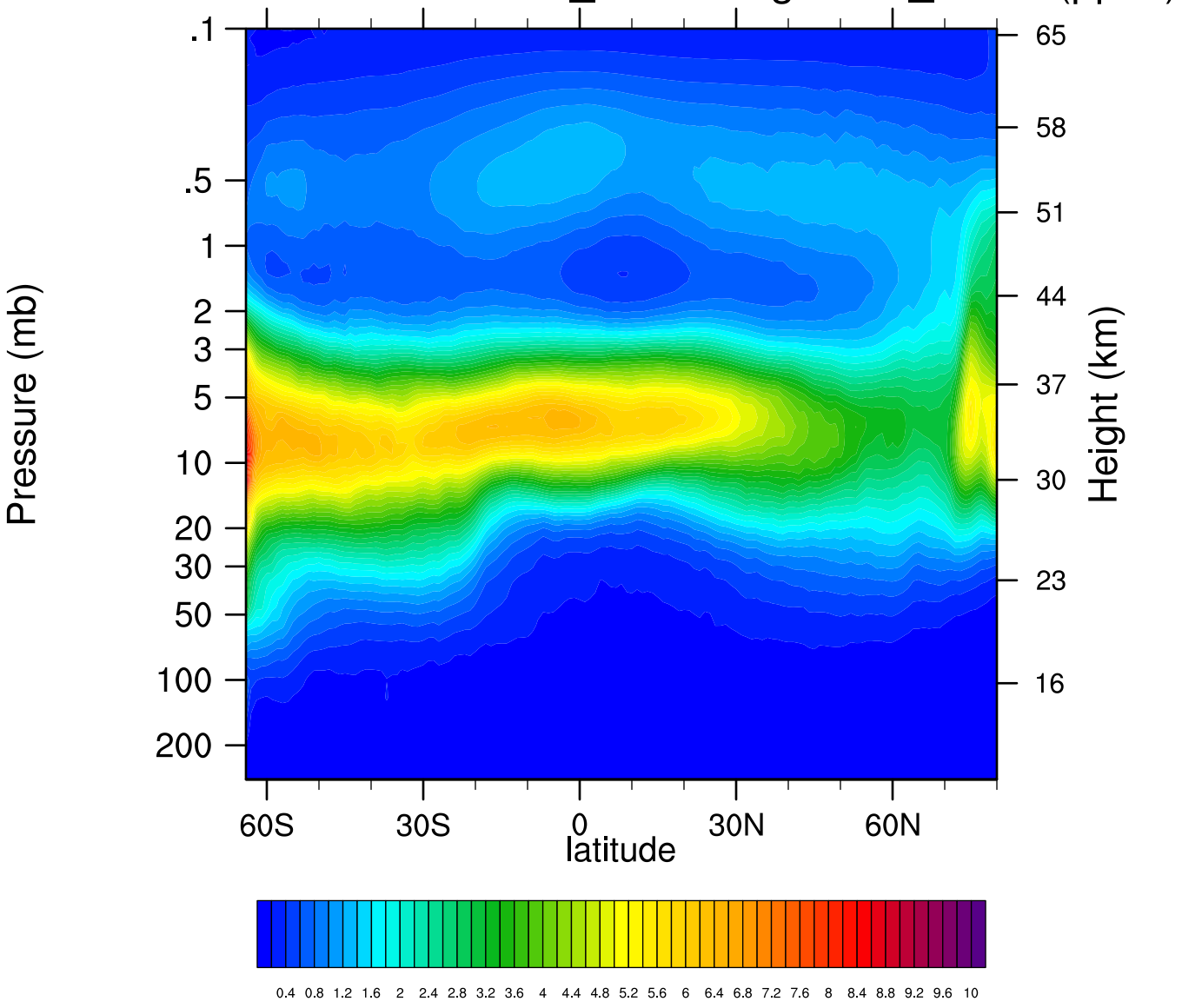

HIRDLSv7 2007d288 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

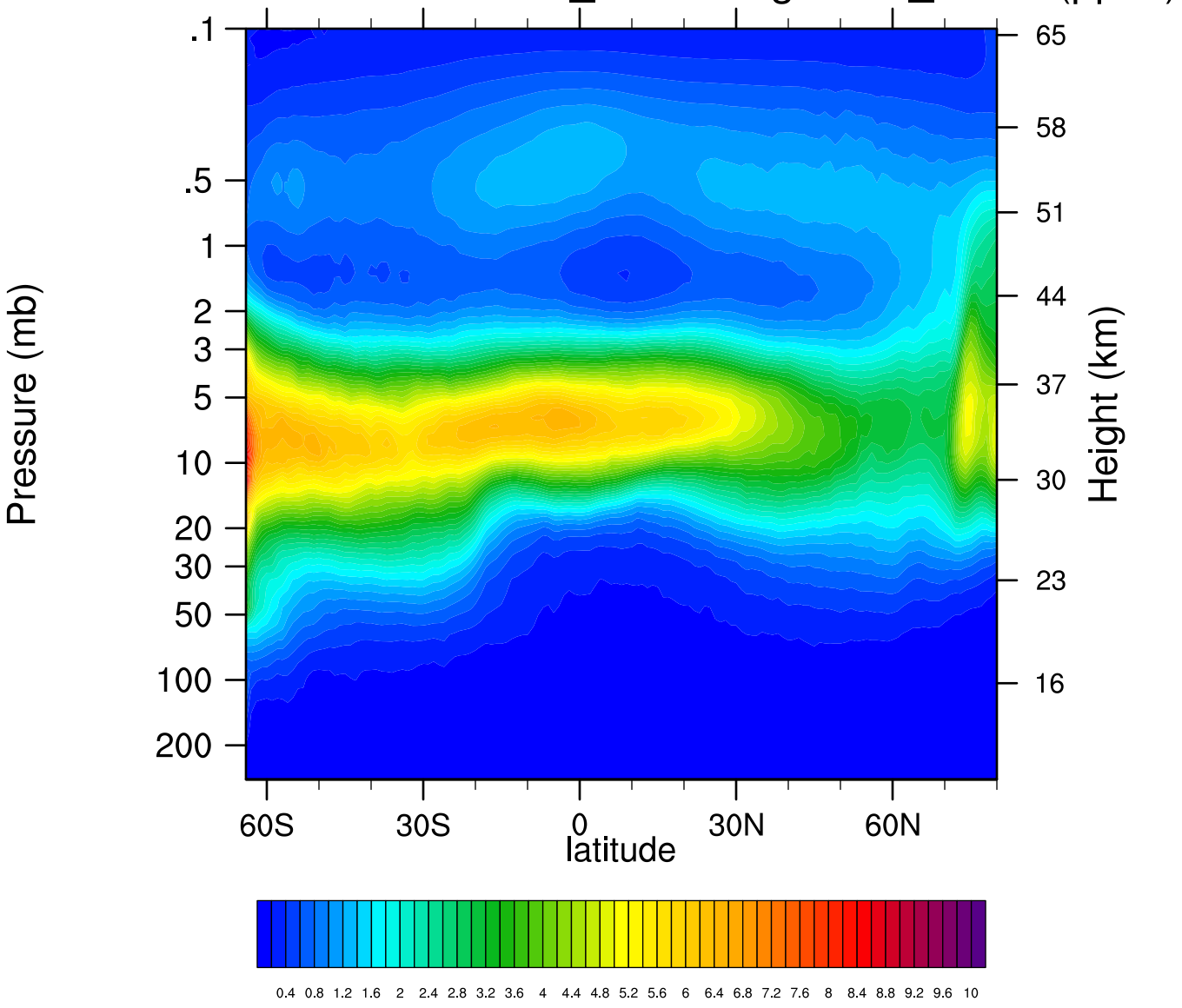

HIRDLSv7 2007d289 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

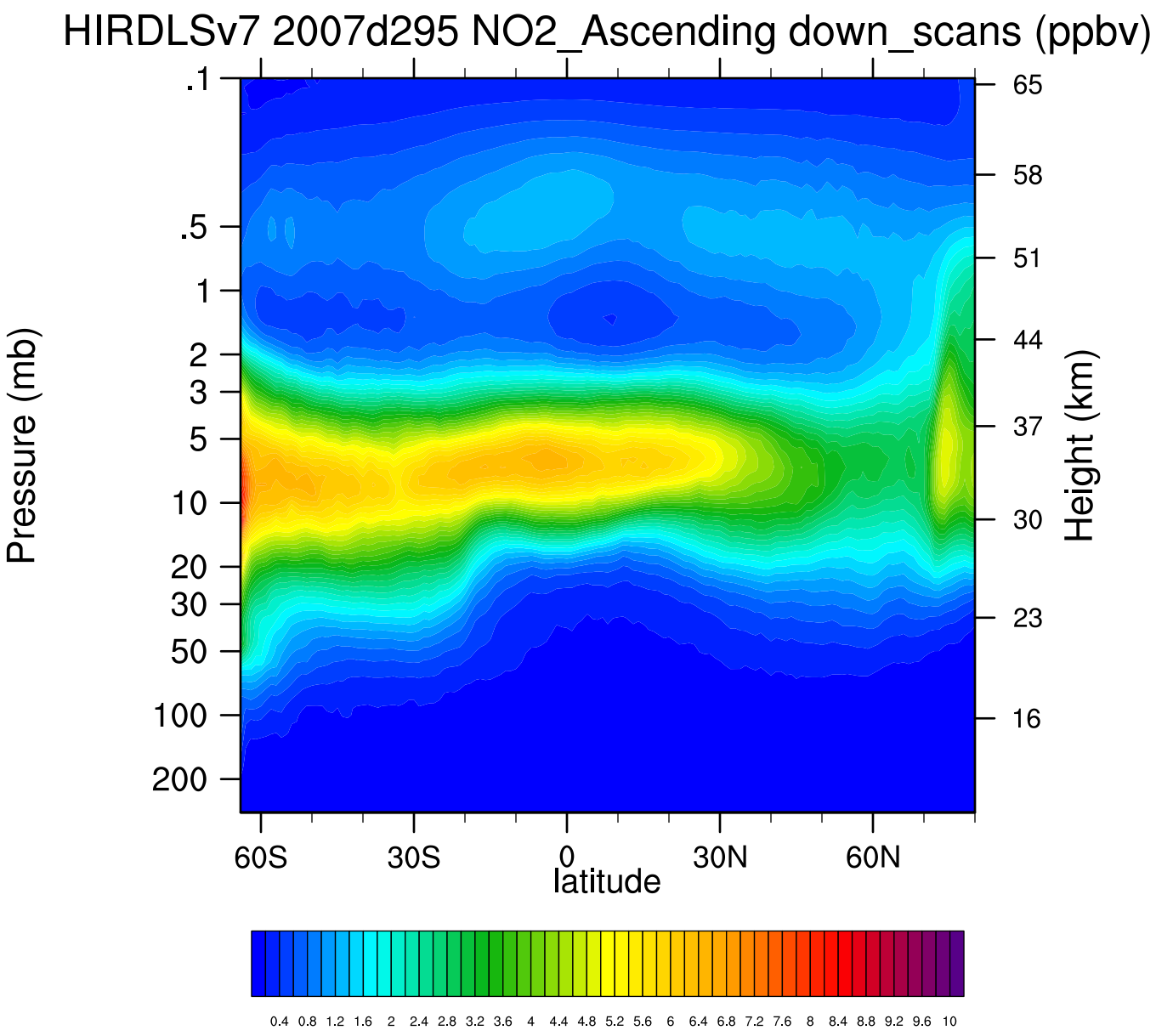

HIRDLSv7 2007d290 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

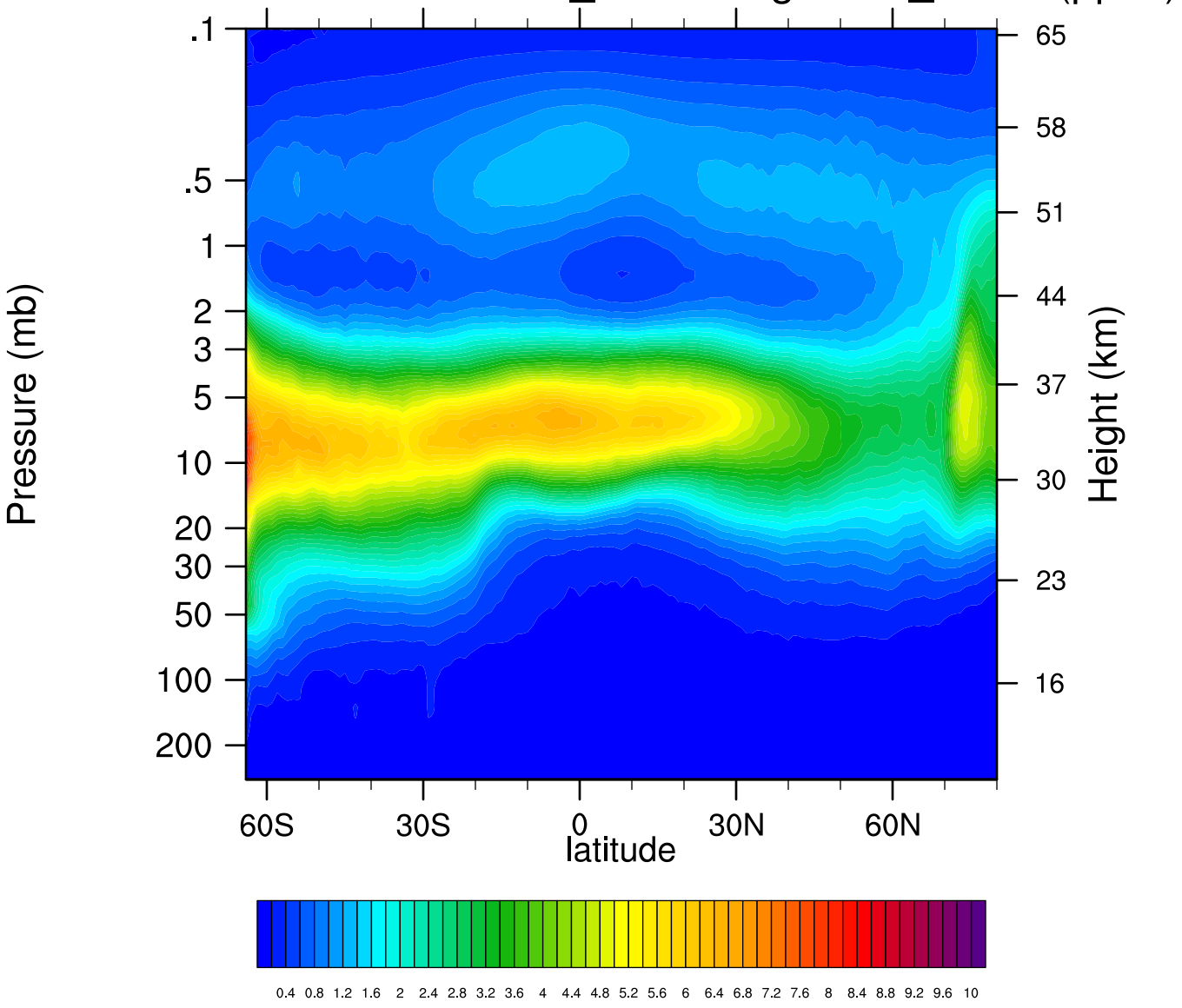

HIRDLSv7 2007d291 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

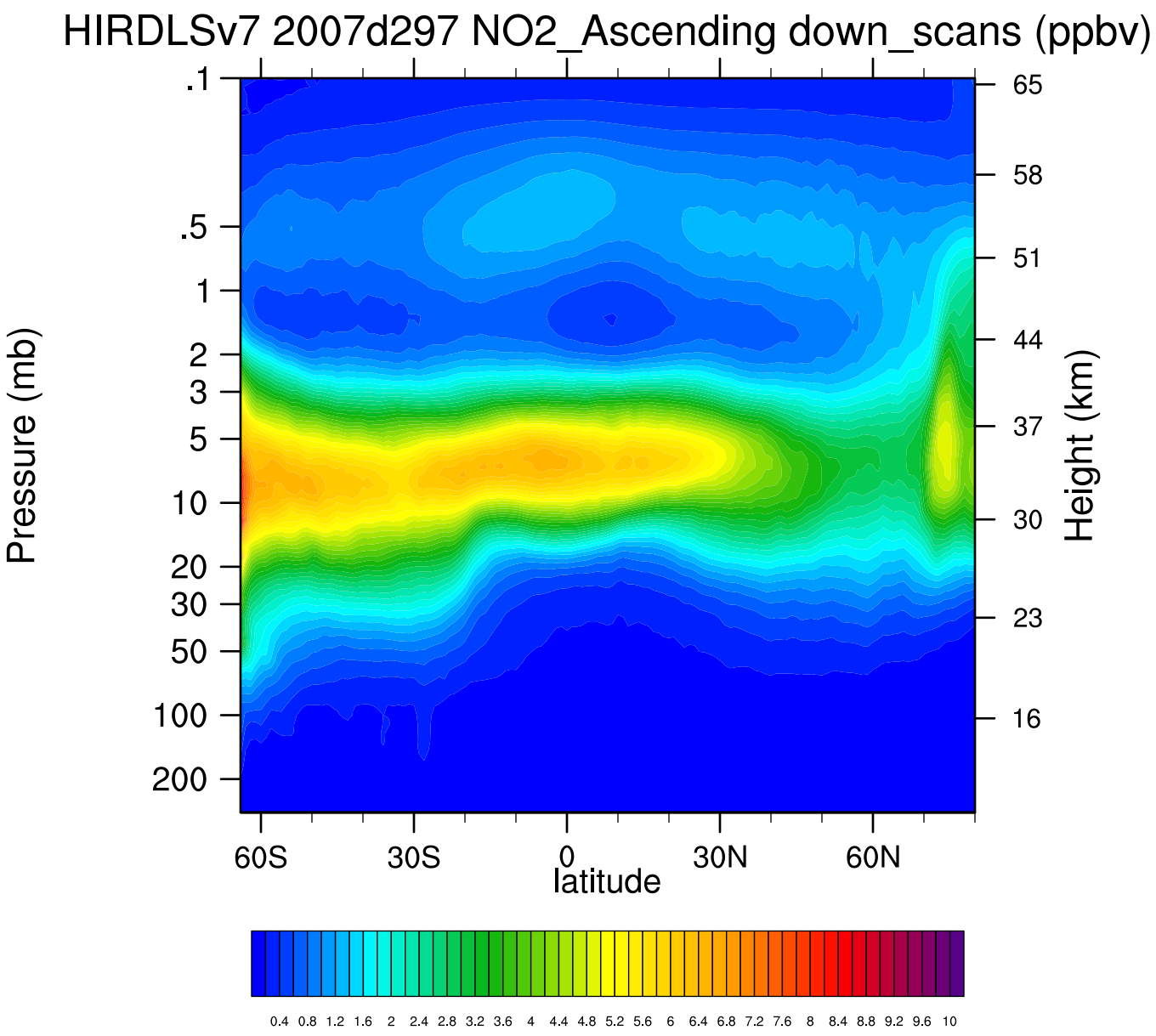

HIRDLSv7 2007d292 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

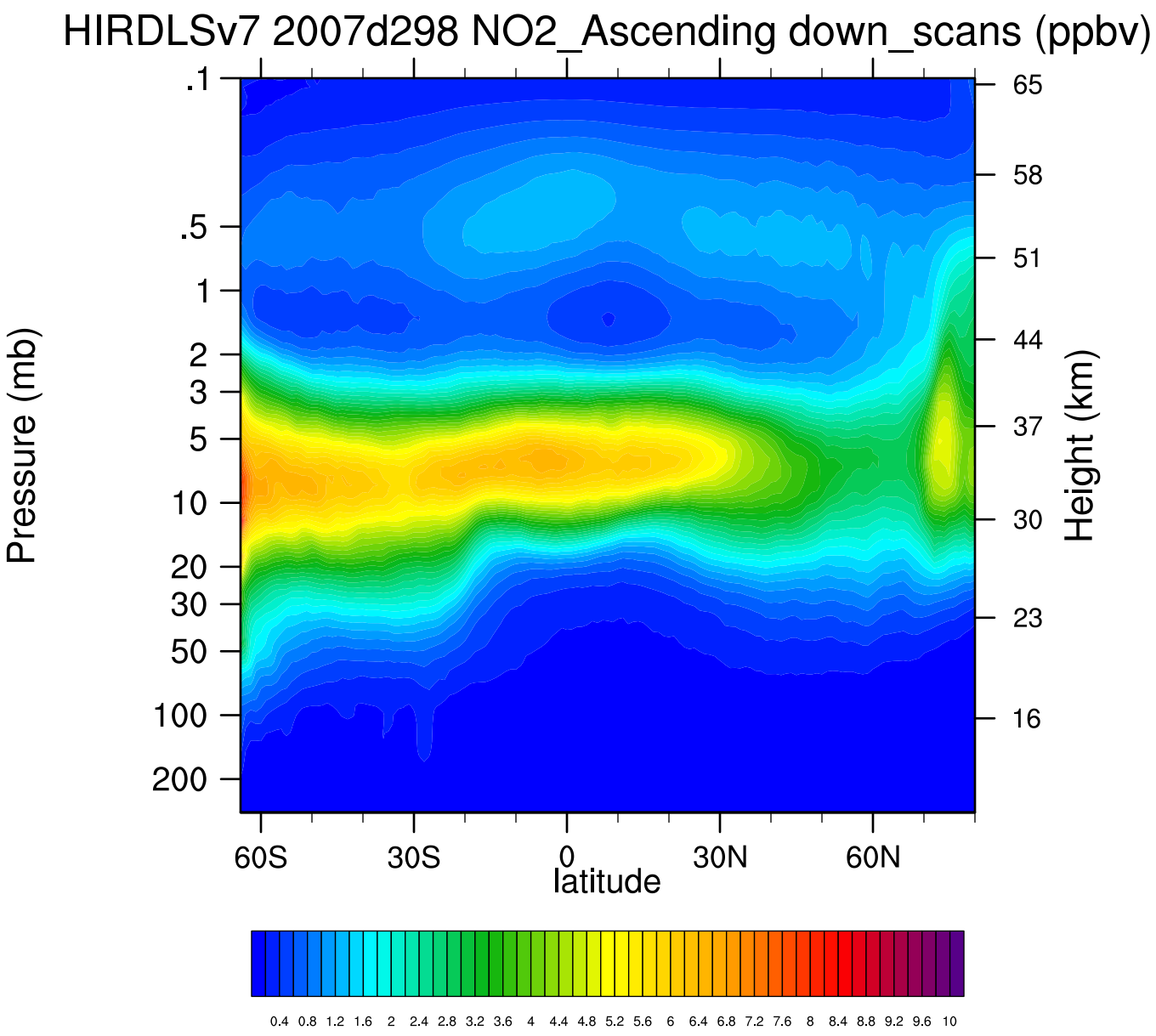

HIRDLSv7 2007d293 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

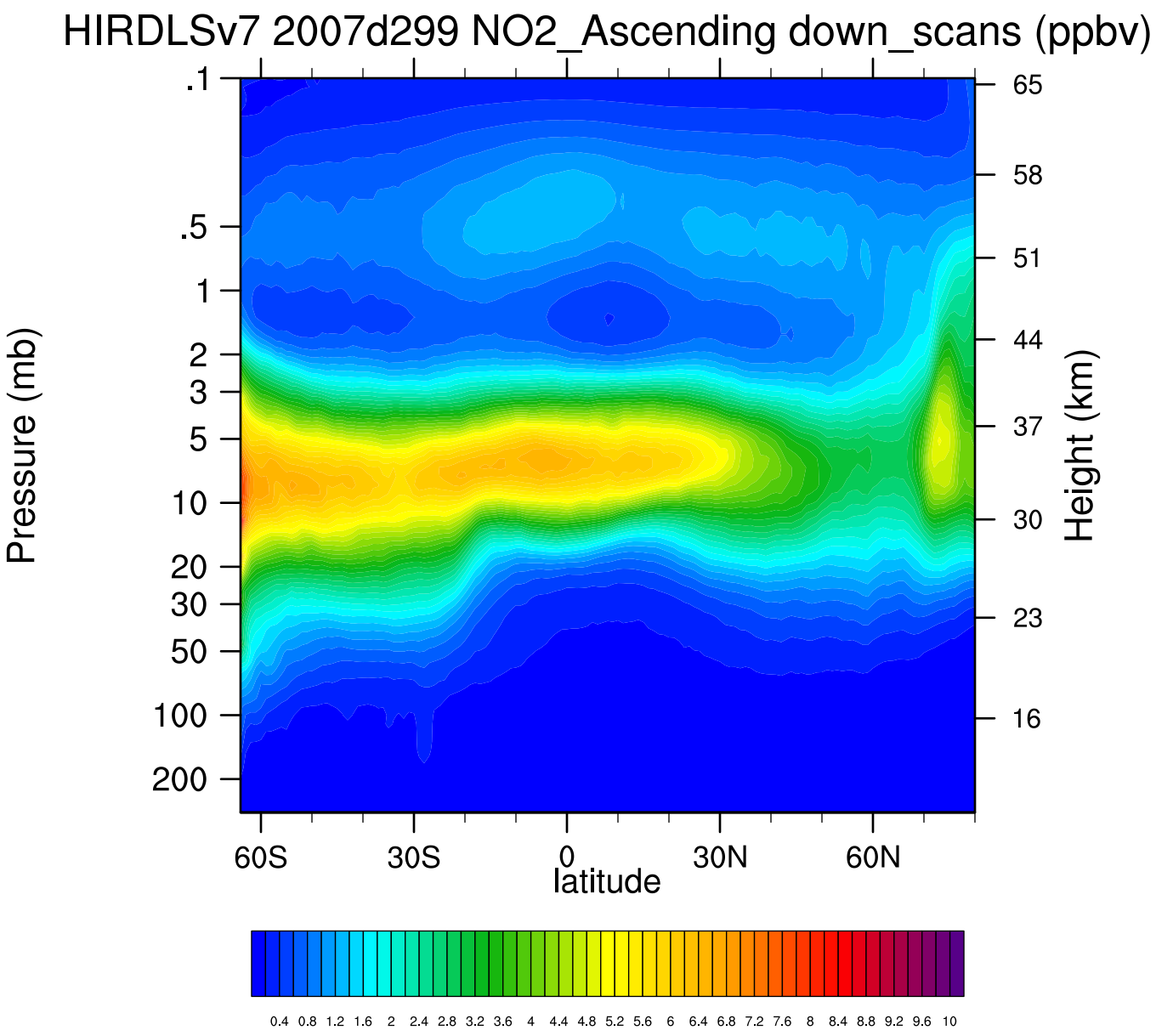

HIRDLSv7 2007d294 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

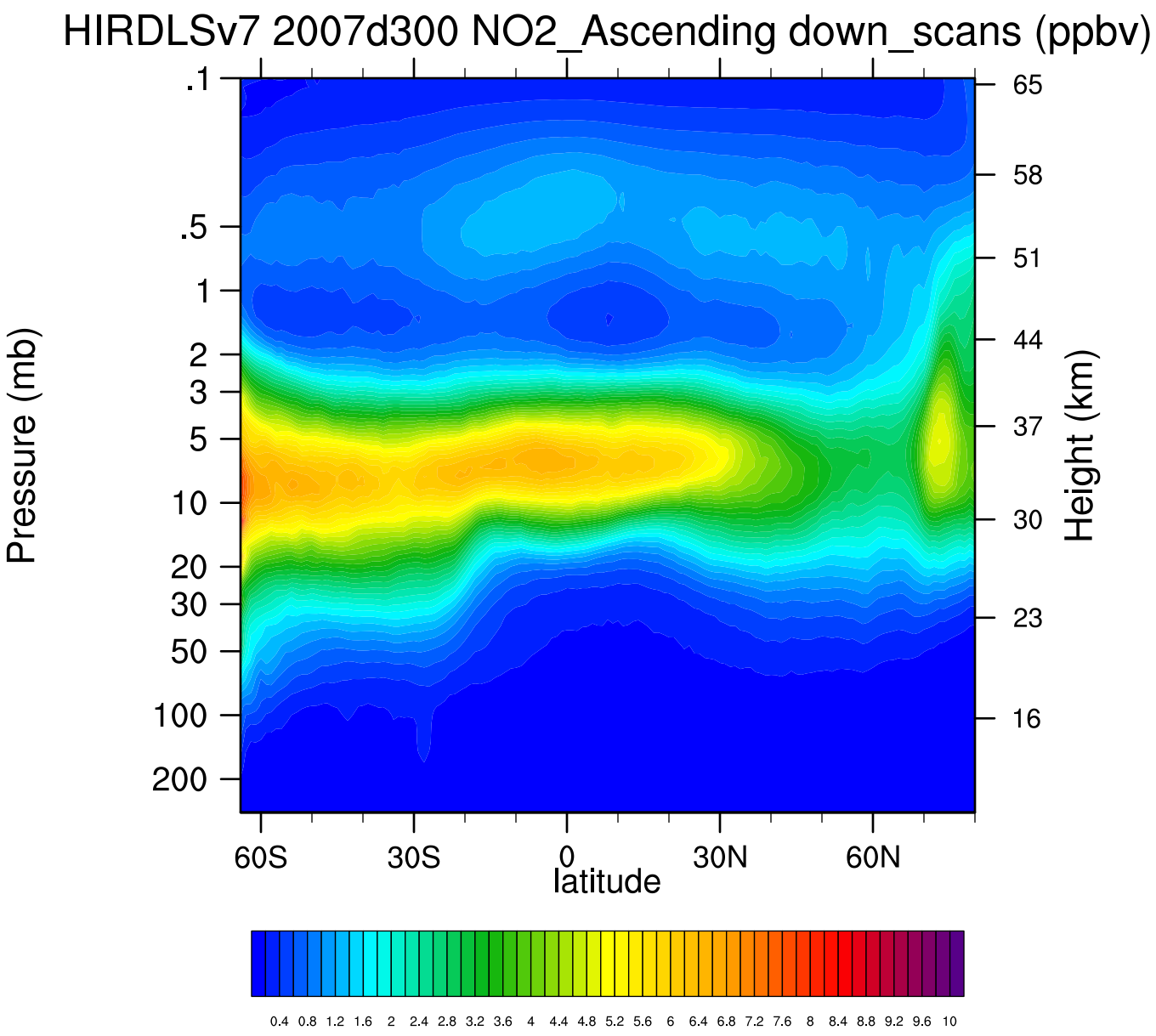

HIRDLSv7 2007d295 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

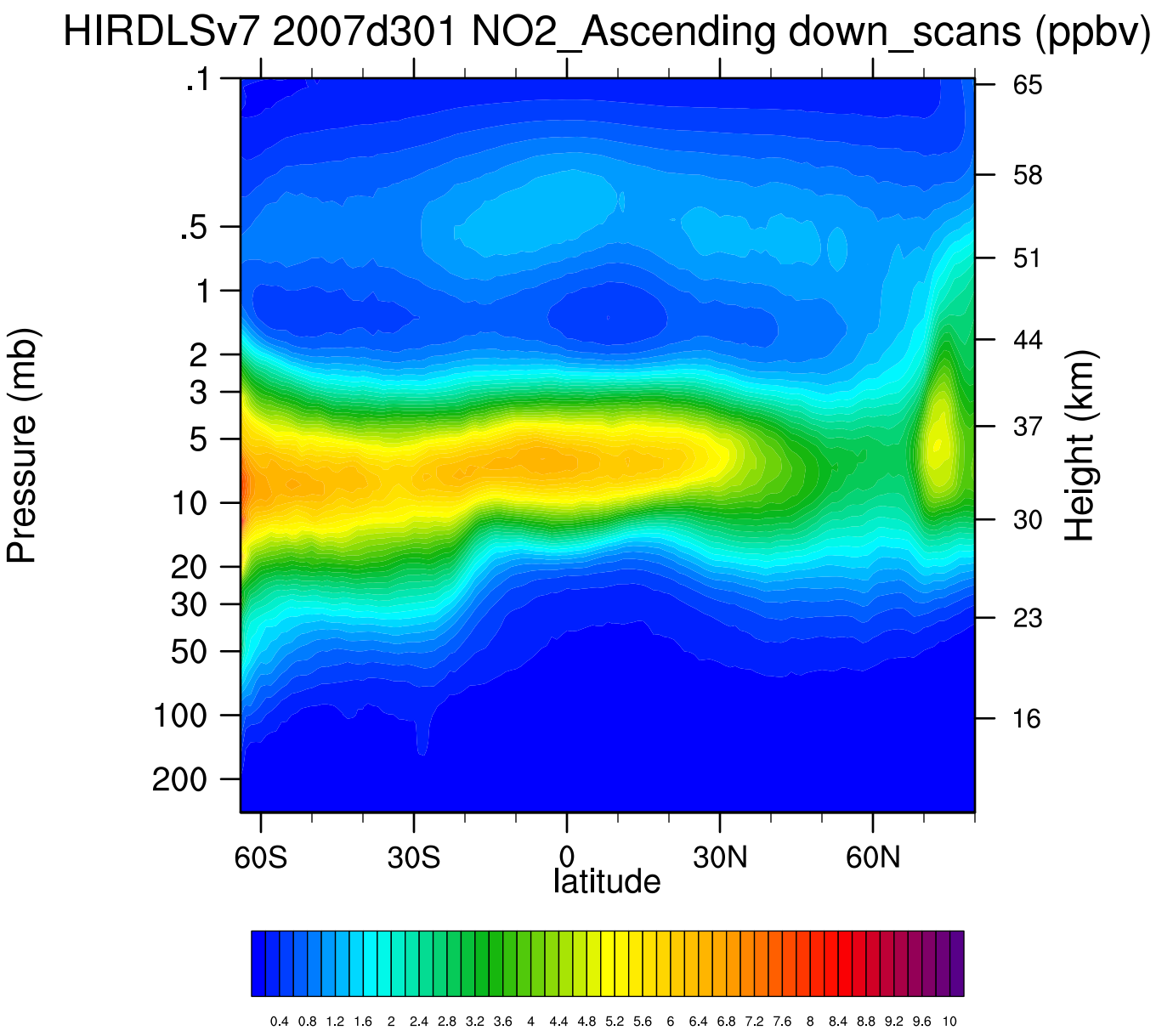

HIRDLSv7 2007d296 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

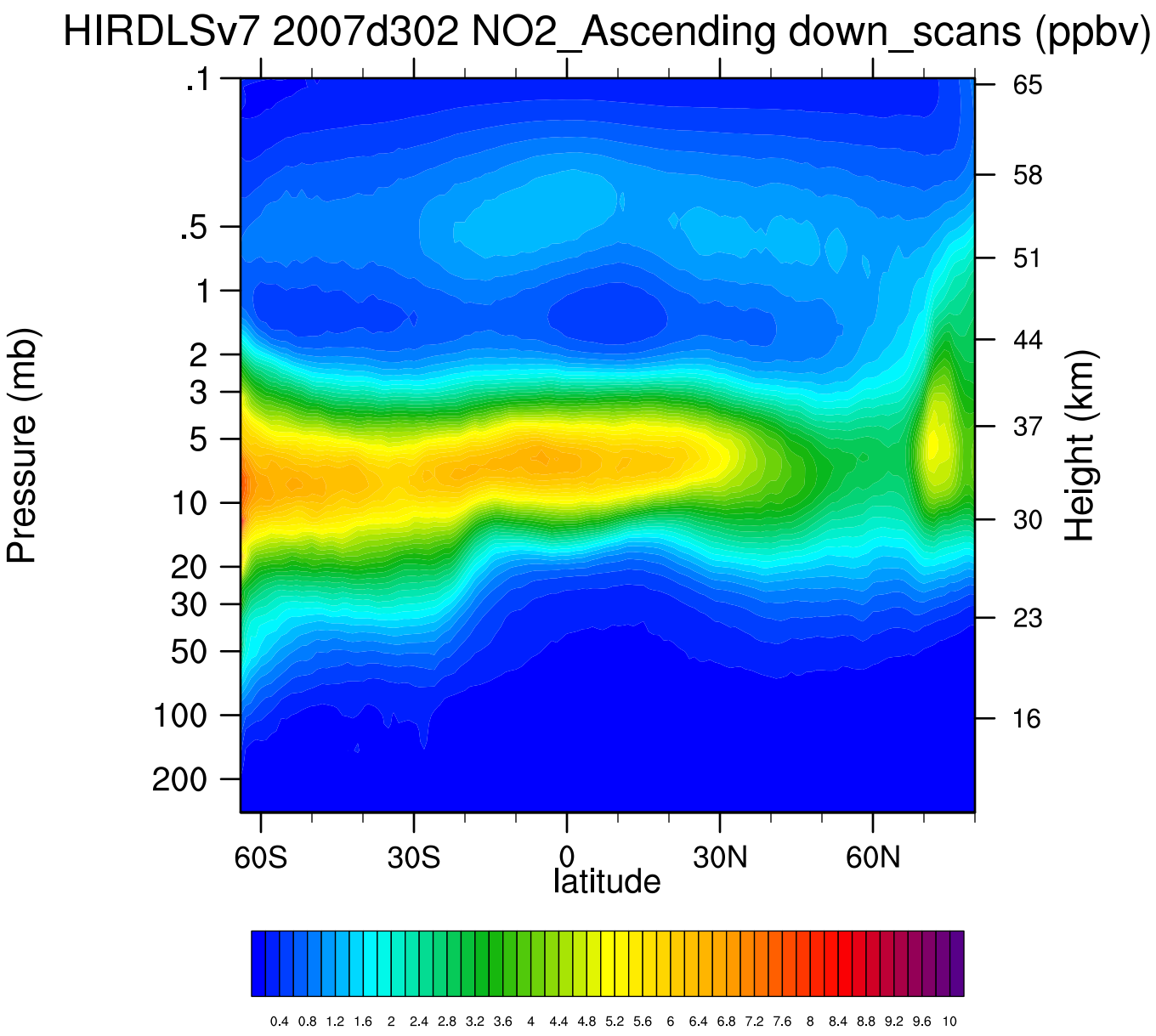

HIRDLSv7 2007d297 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

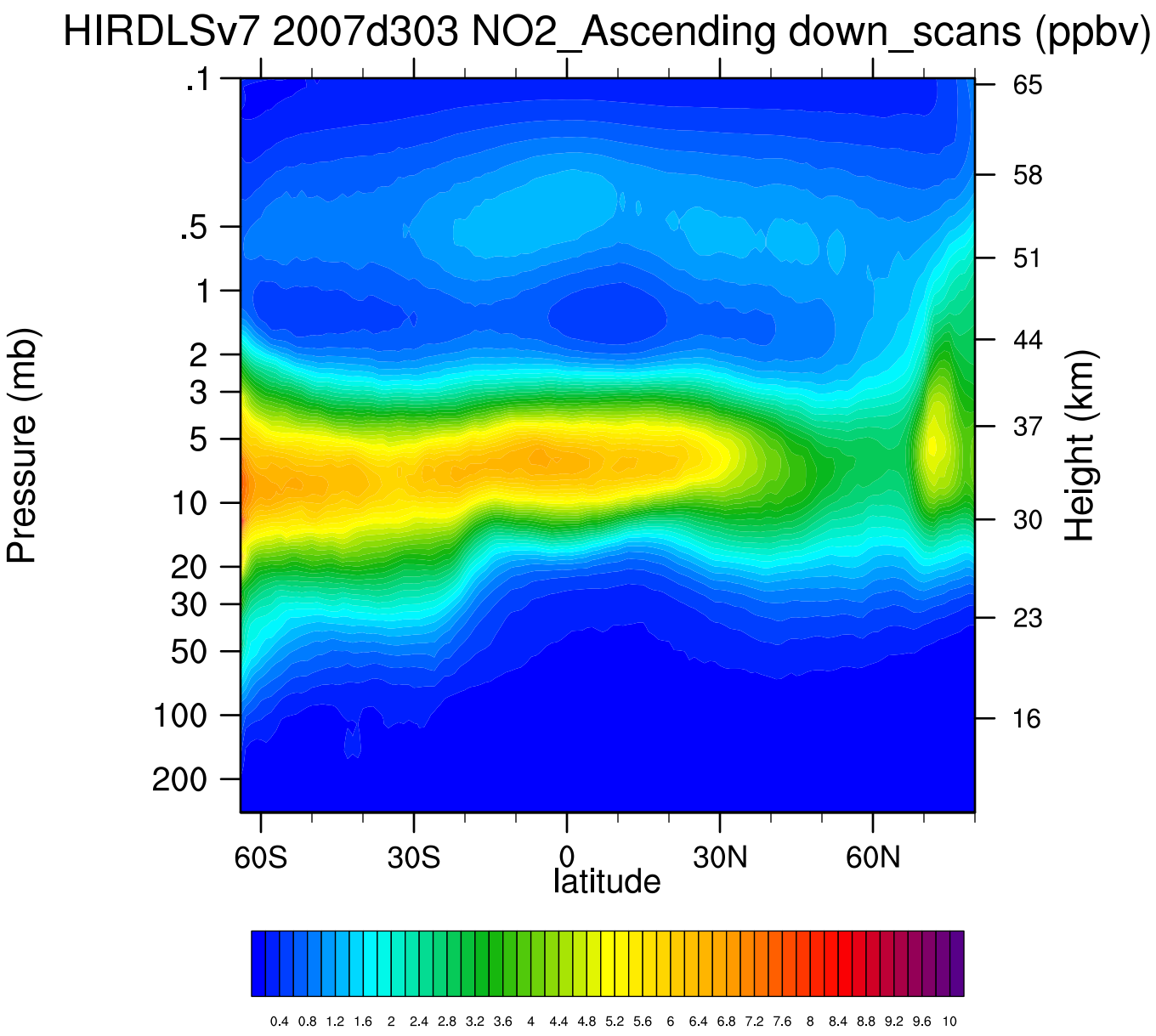

HIRDLSv7 2007d298 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

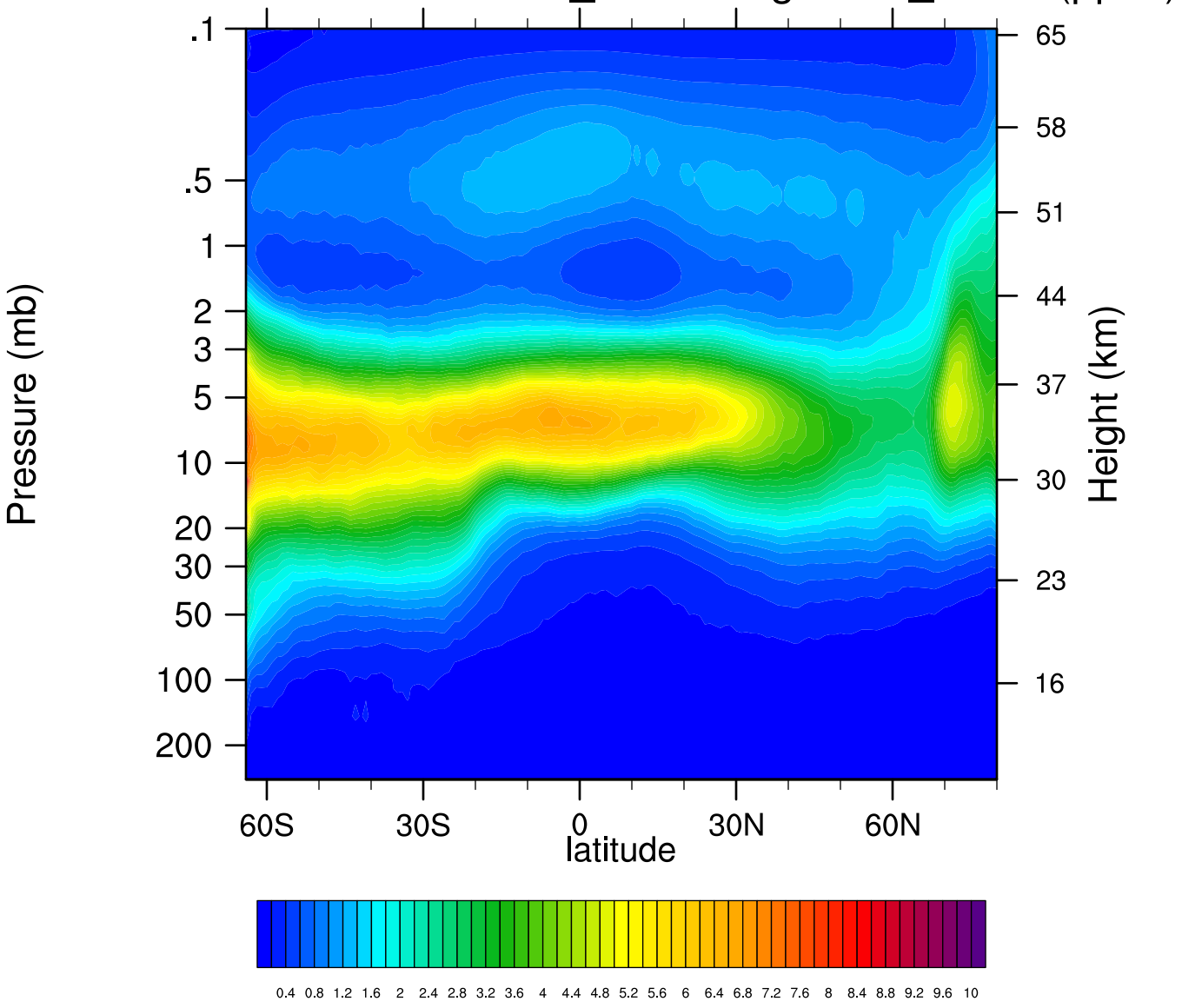

HIRDLSv7 2007d299 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

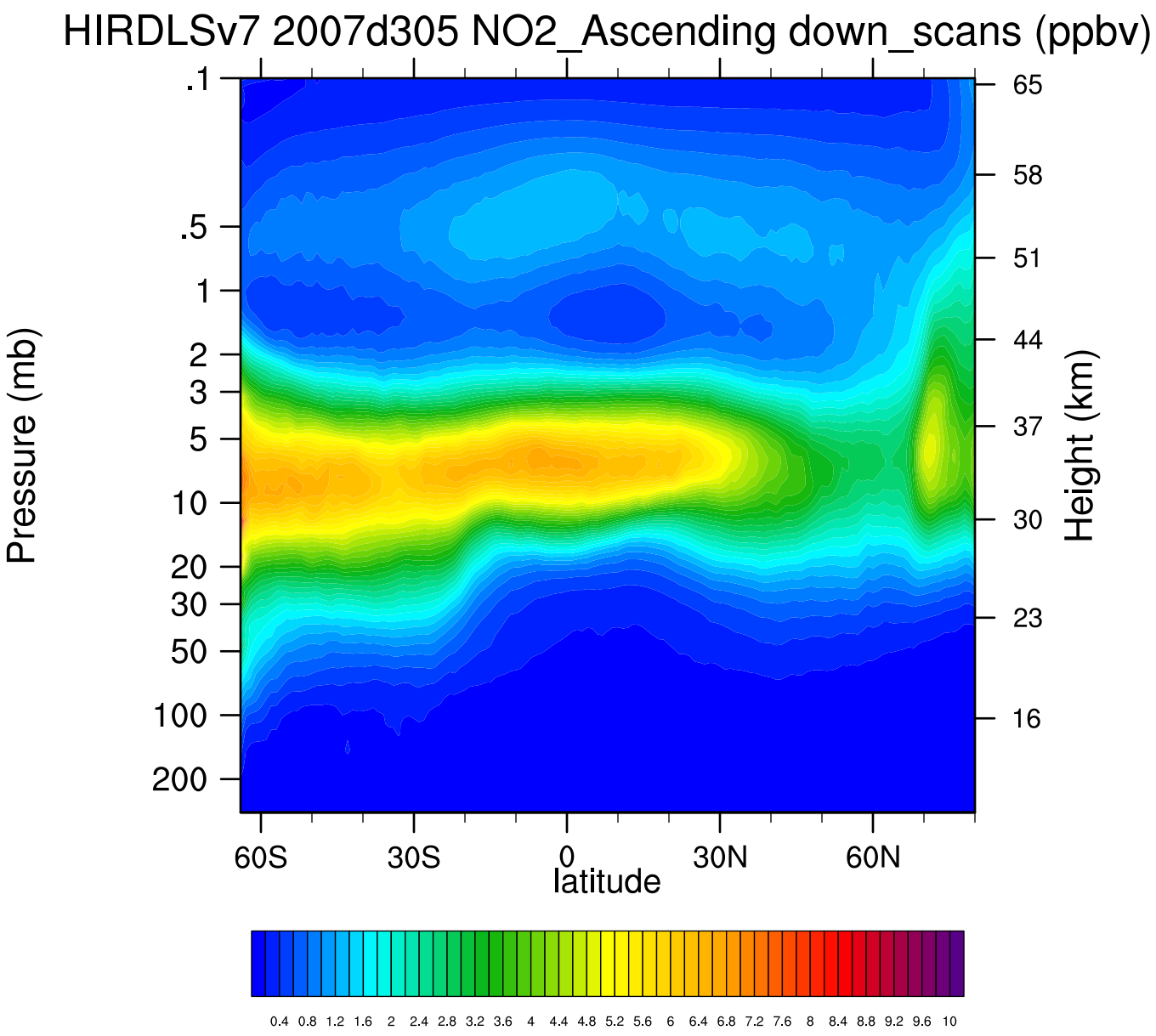

HIRDLSv7 2007d300 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

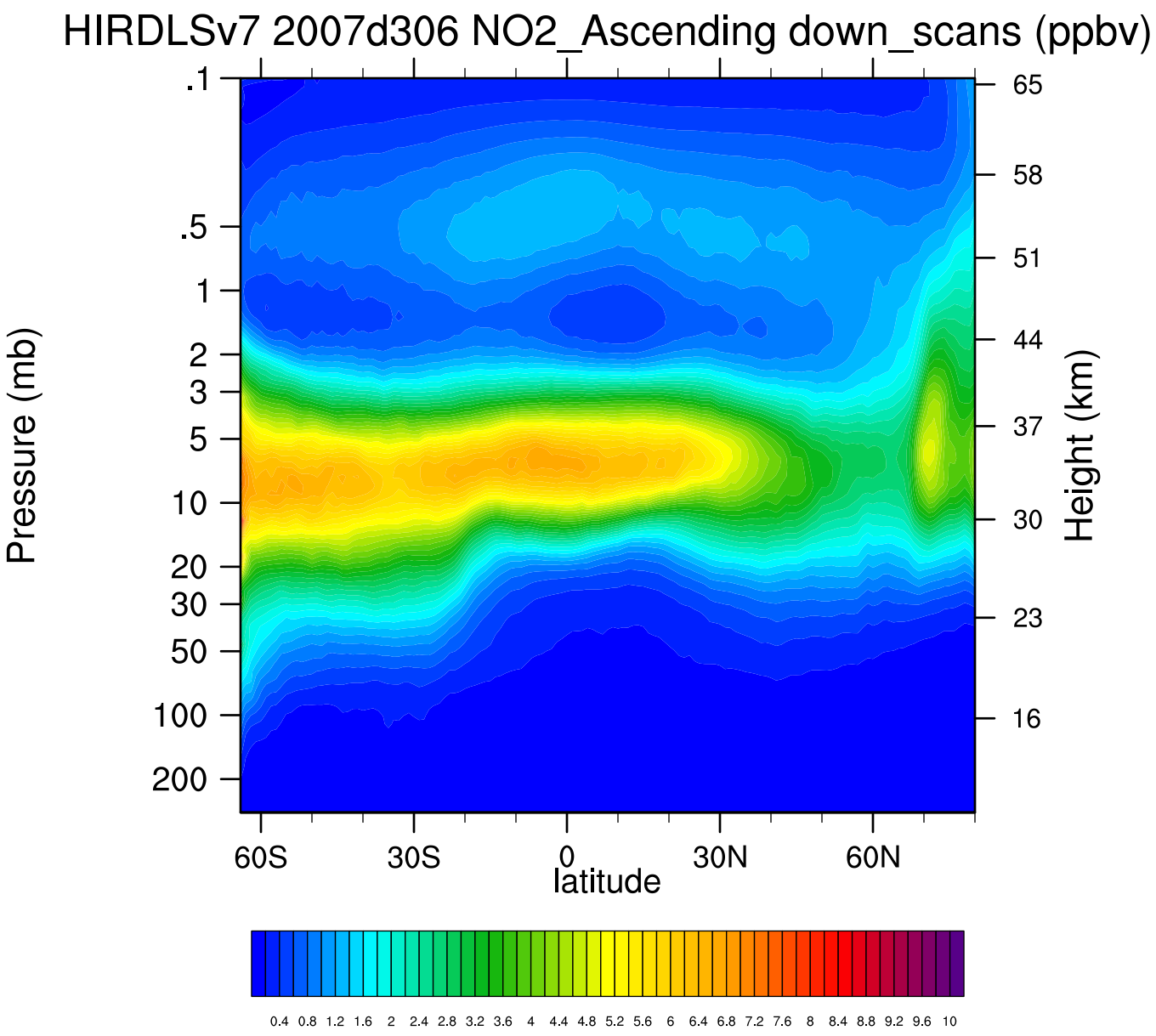

HIRDLSv7 2007d301 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

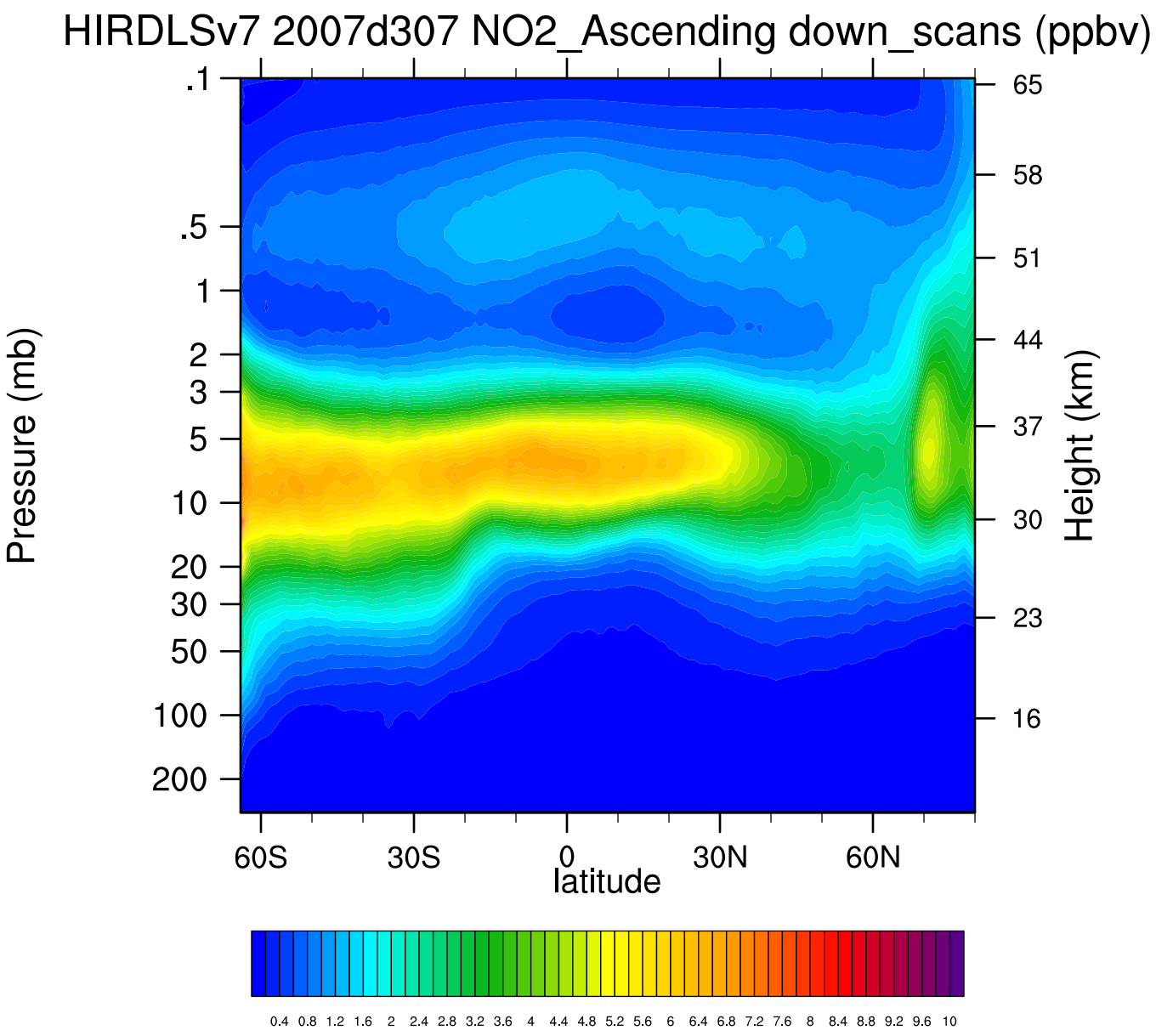

HIRDLSv7 2007d302 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

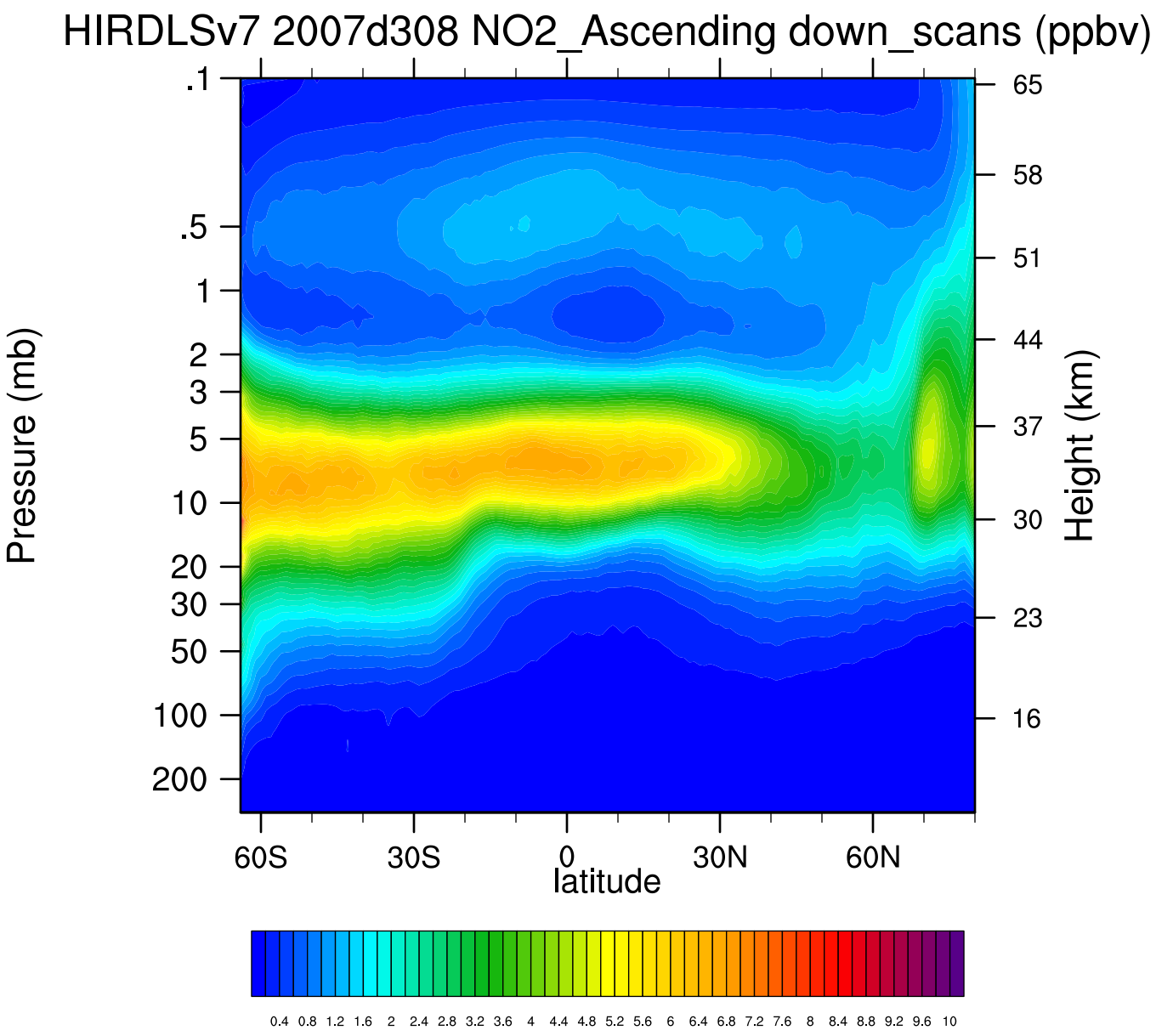

HIRDLSv7 2007d303 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

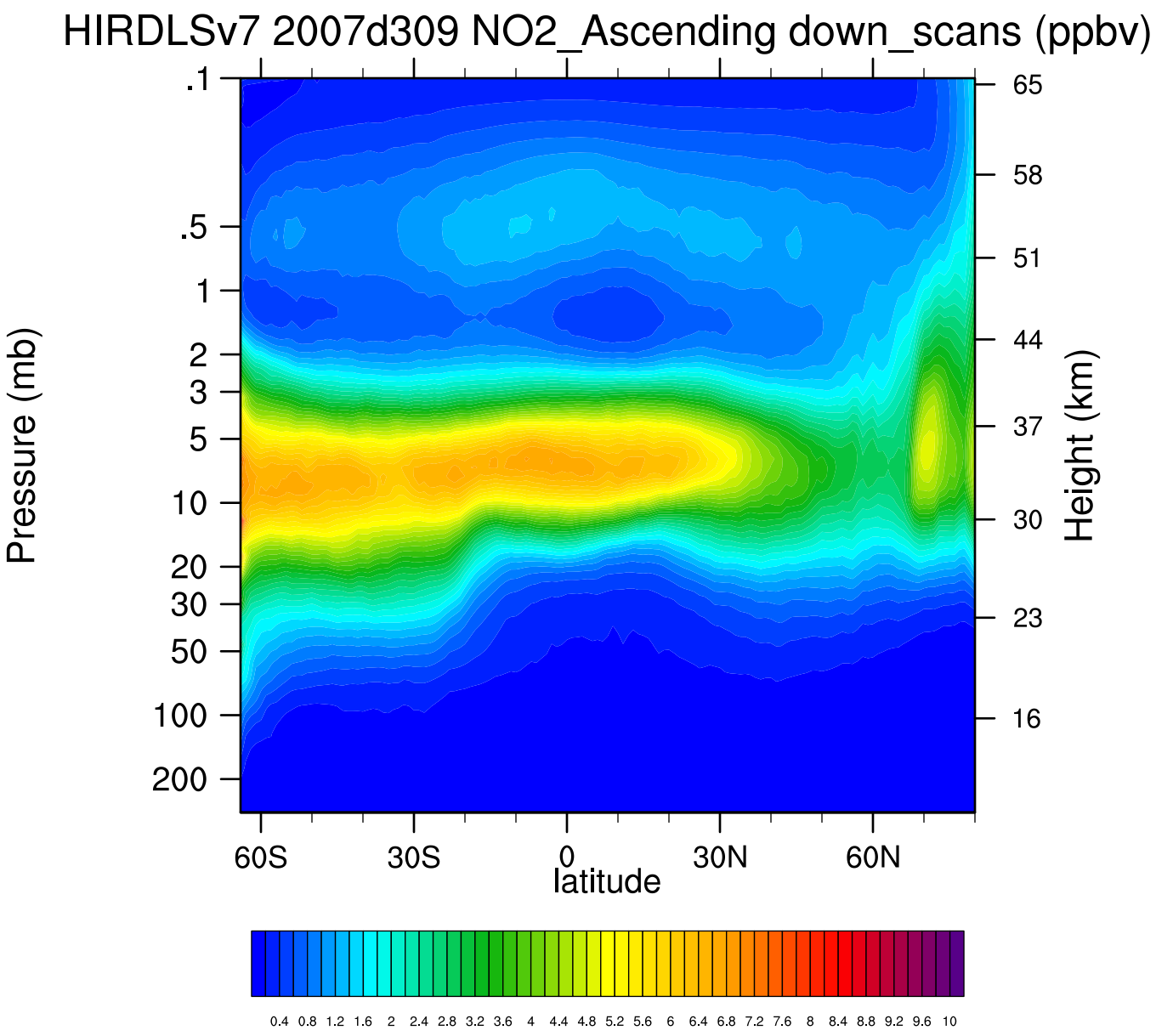

HIRDLSv7 2007d304 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

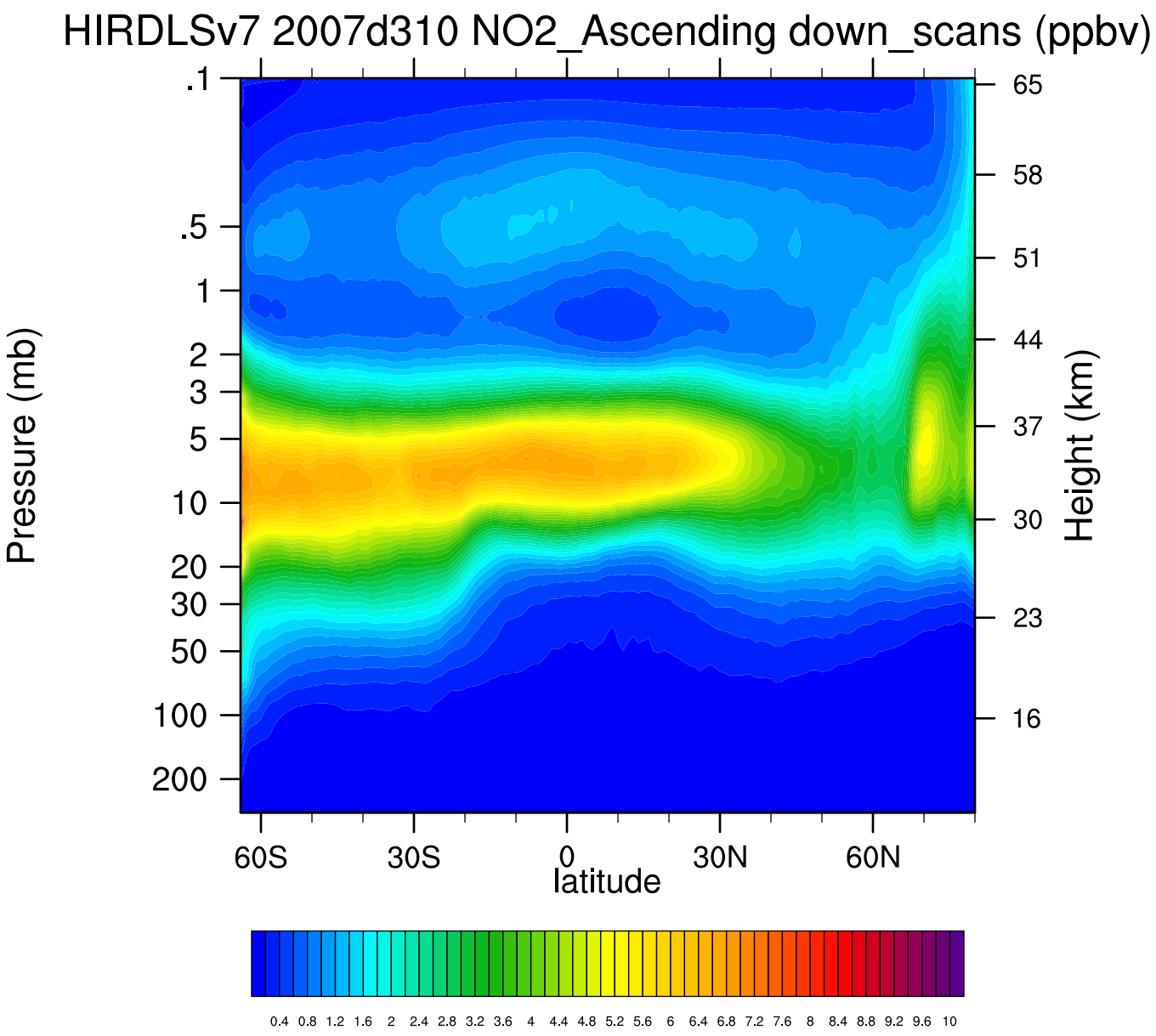

HIRDLSv7 2007d305 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

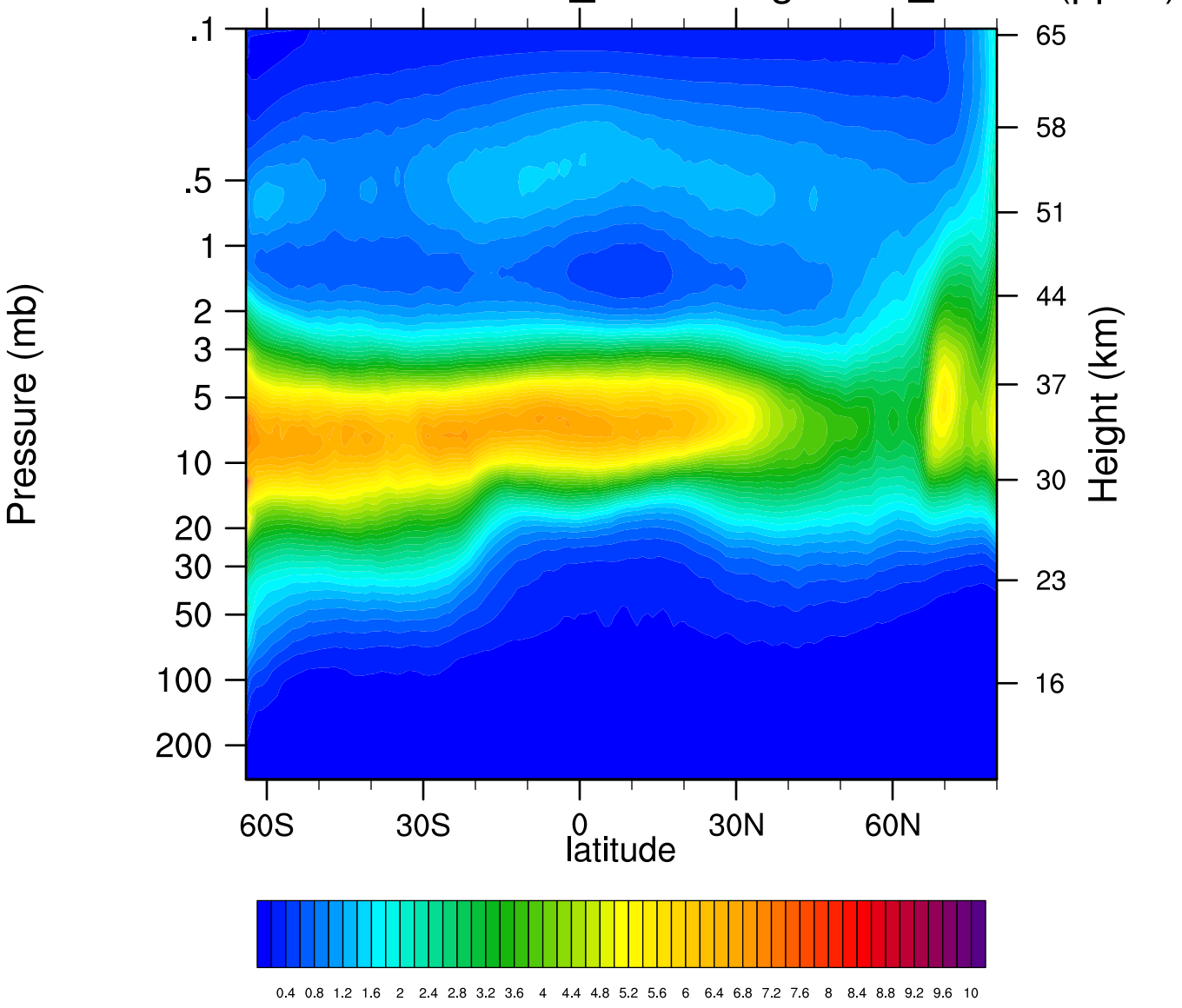

HIRDLSv7 2007d306 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

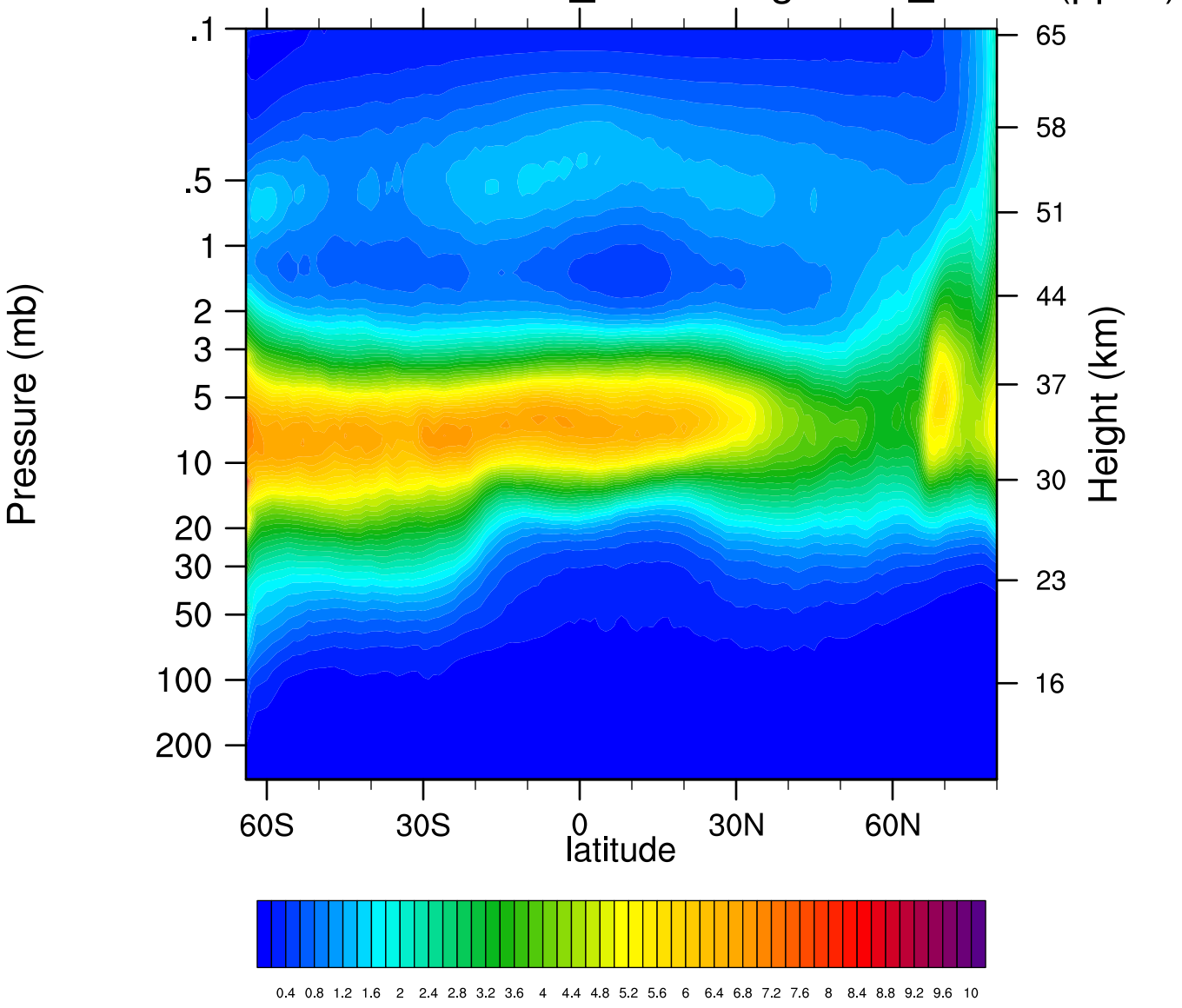

HIRDLSv7 2007d307 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

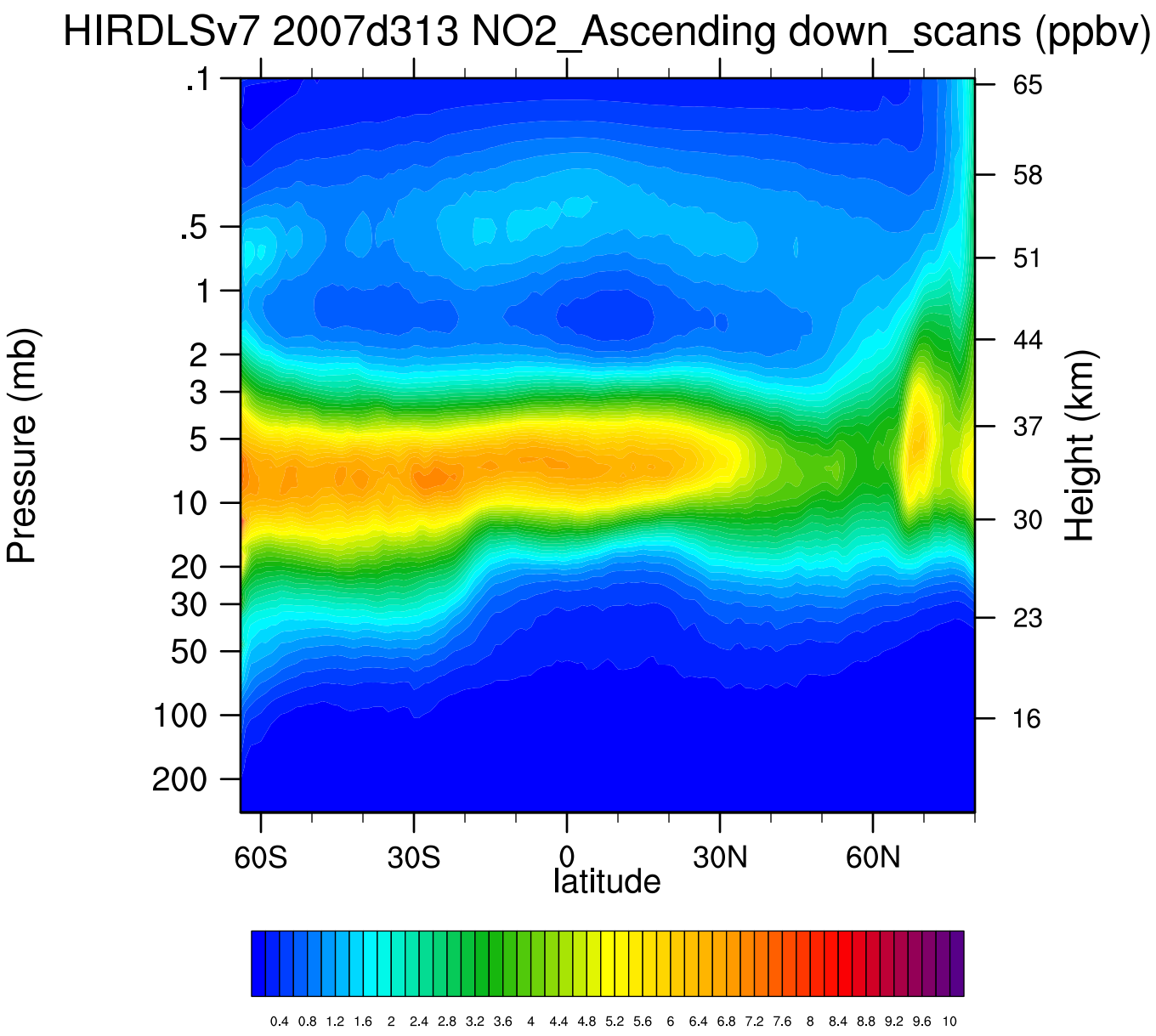

HIRDLSv7 2007d308 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

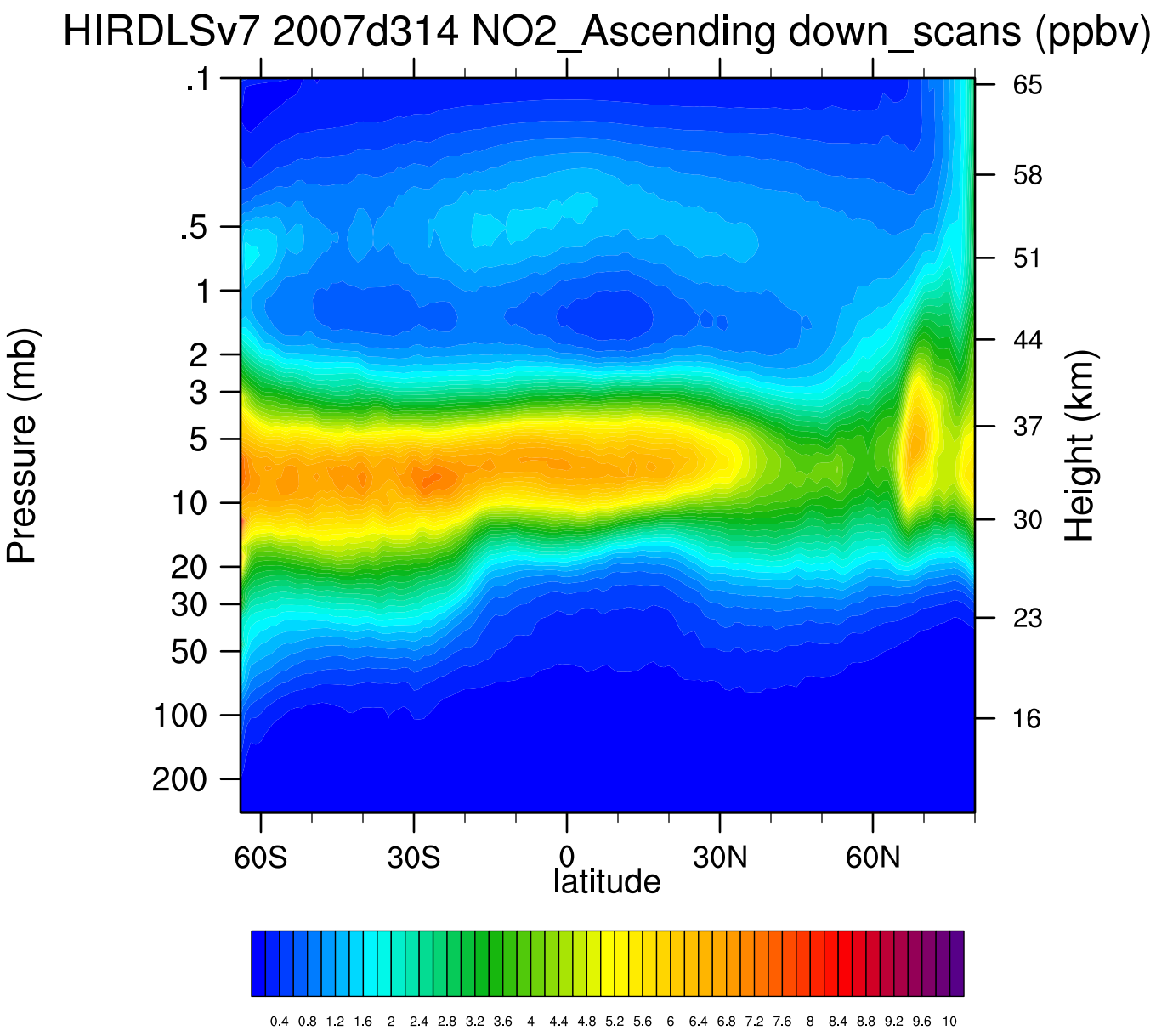

HIRDLSv7 2007d309 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

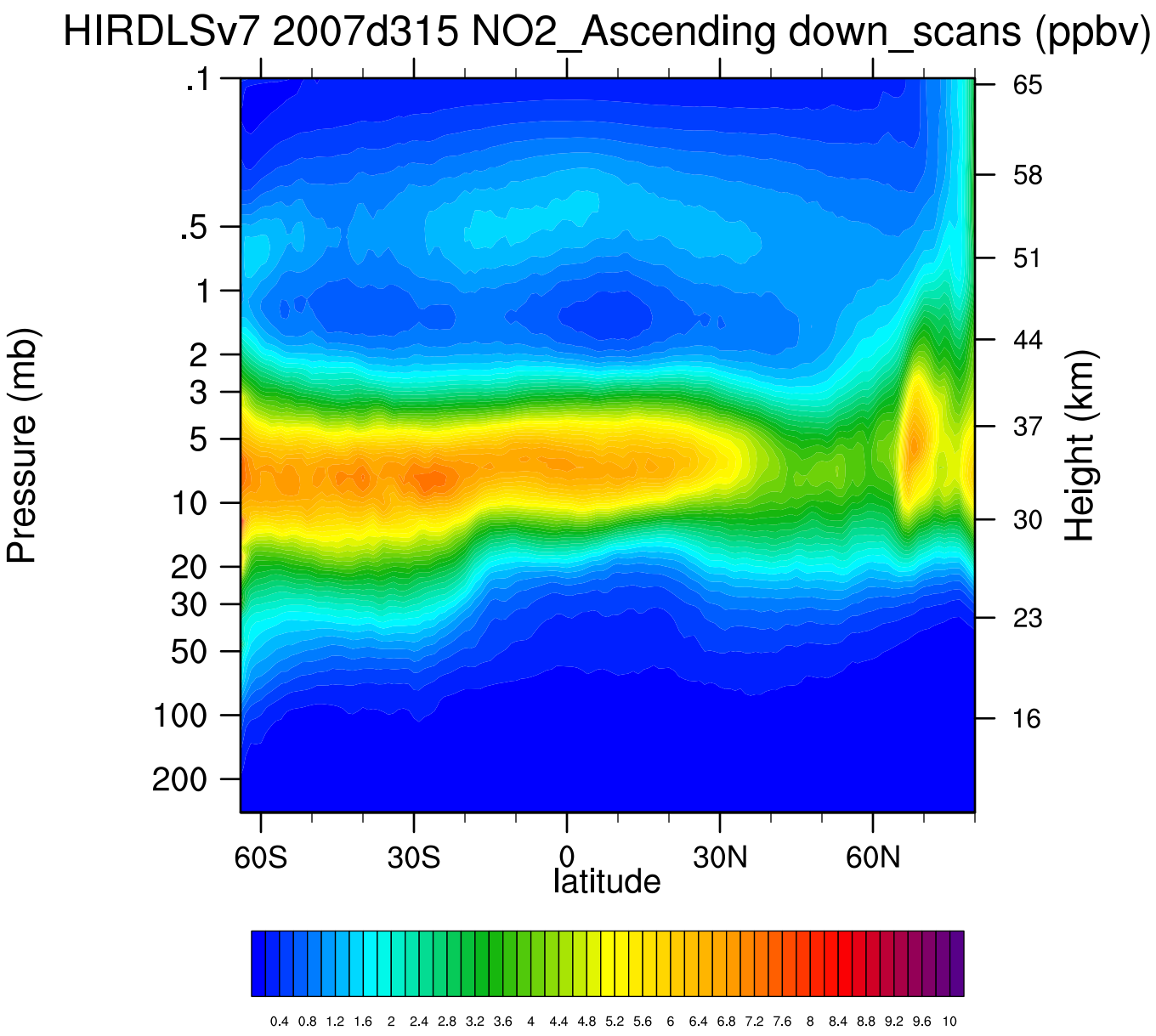

HIRDLSv7 2007d310 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

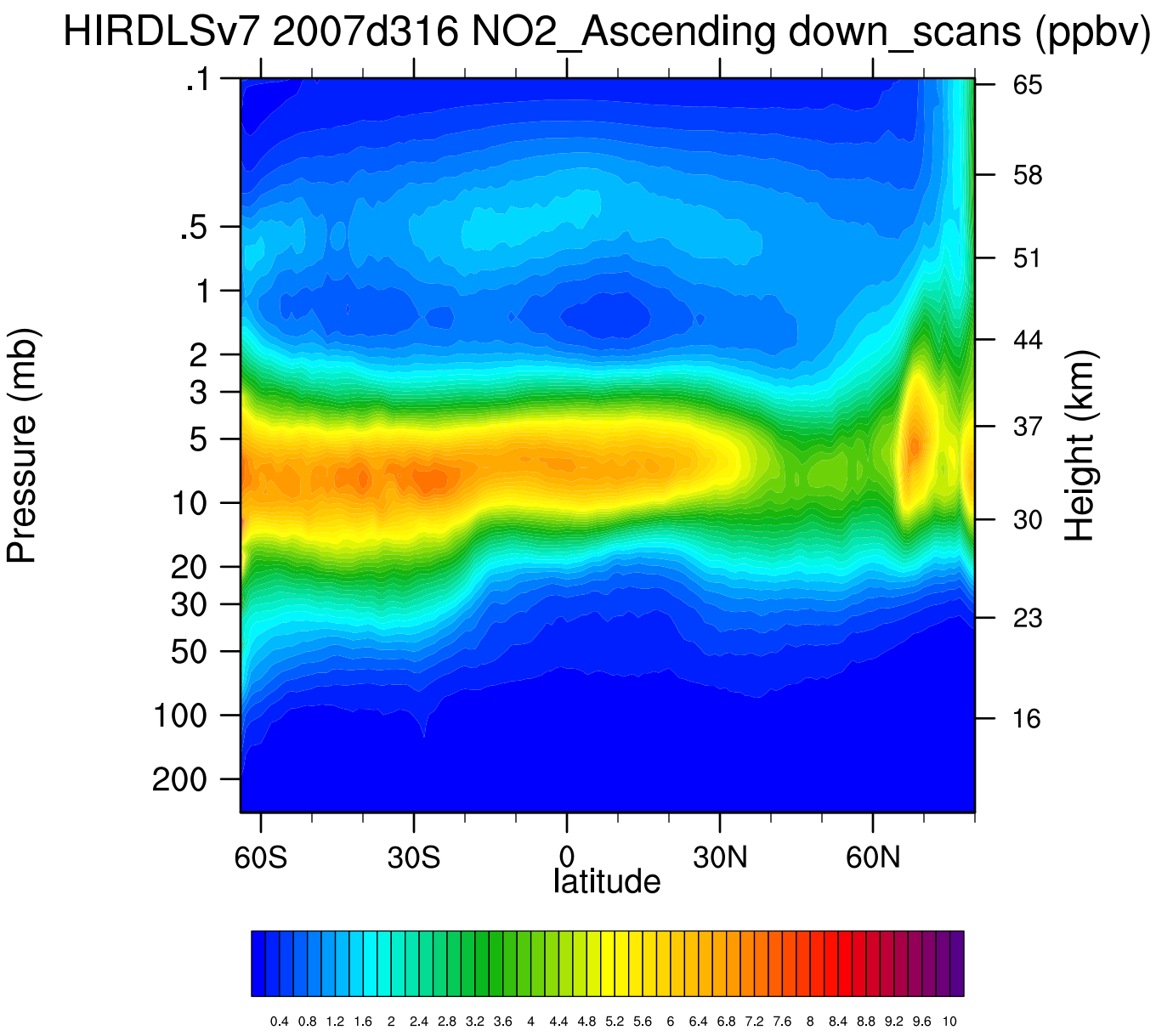

HIRDLSv7 2007d311 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

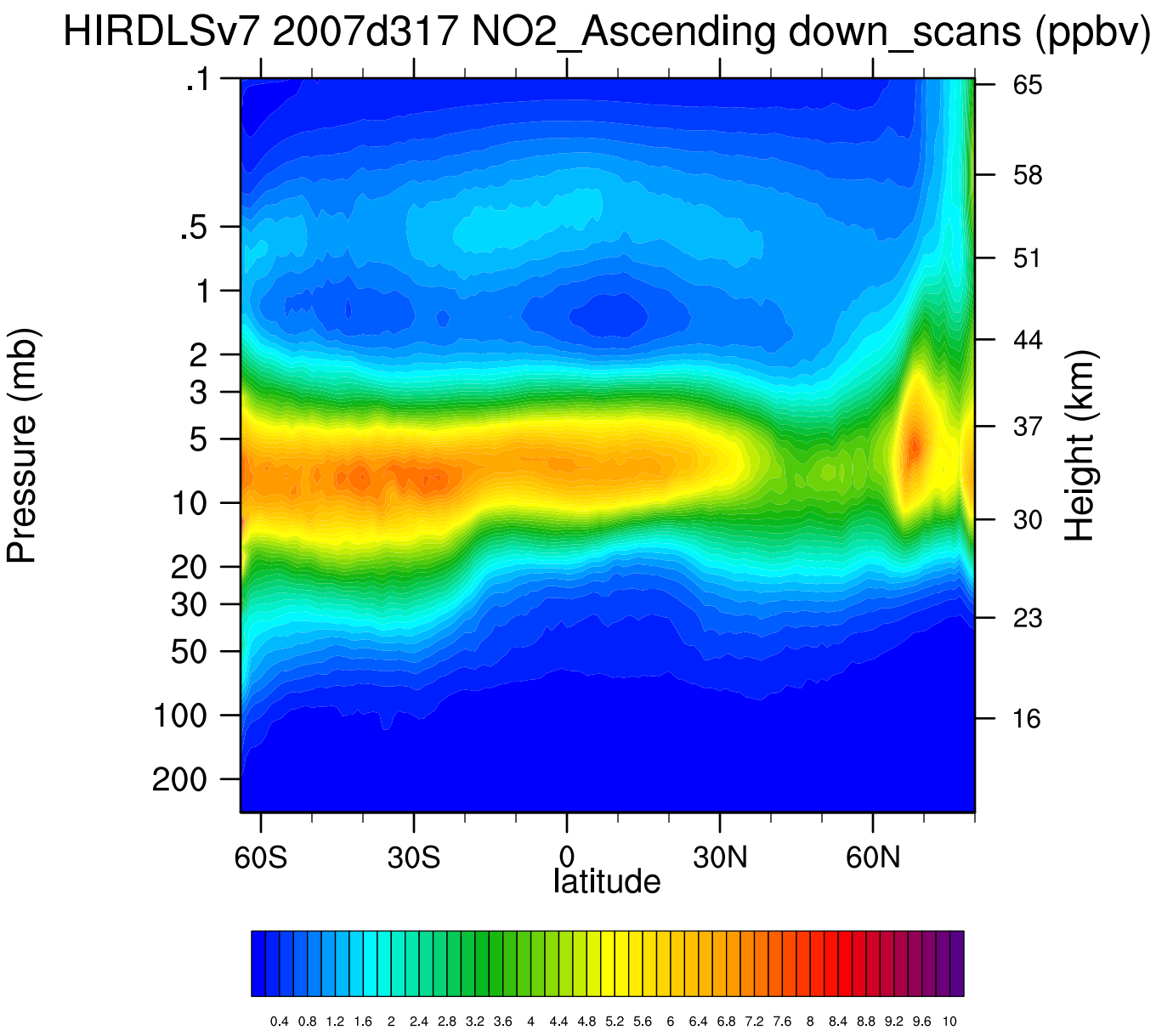

HIRDLSv7 2007d312 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

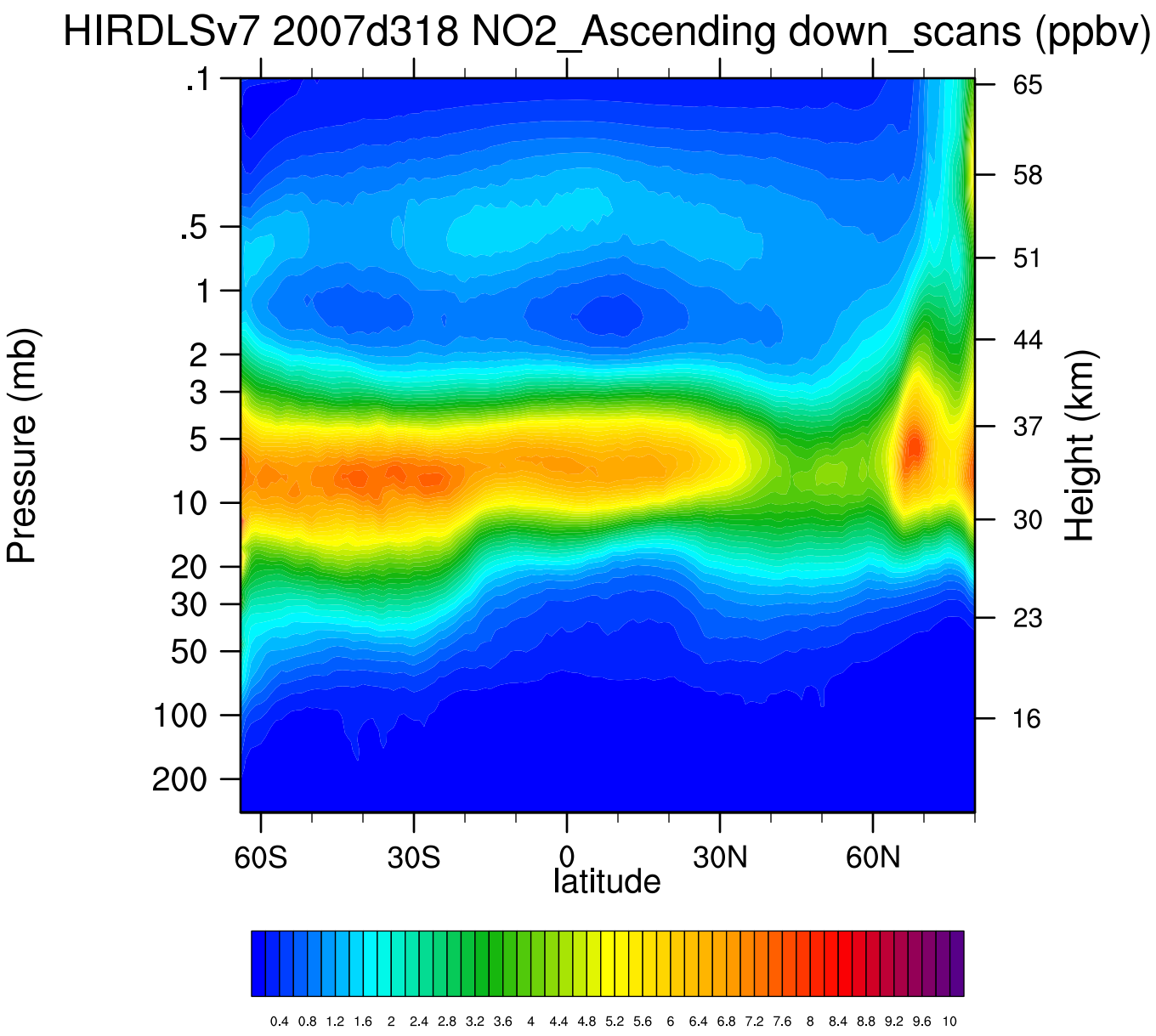

HIRDLSv7 2007d313 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

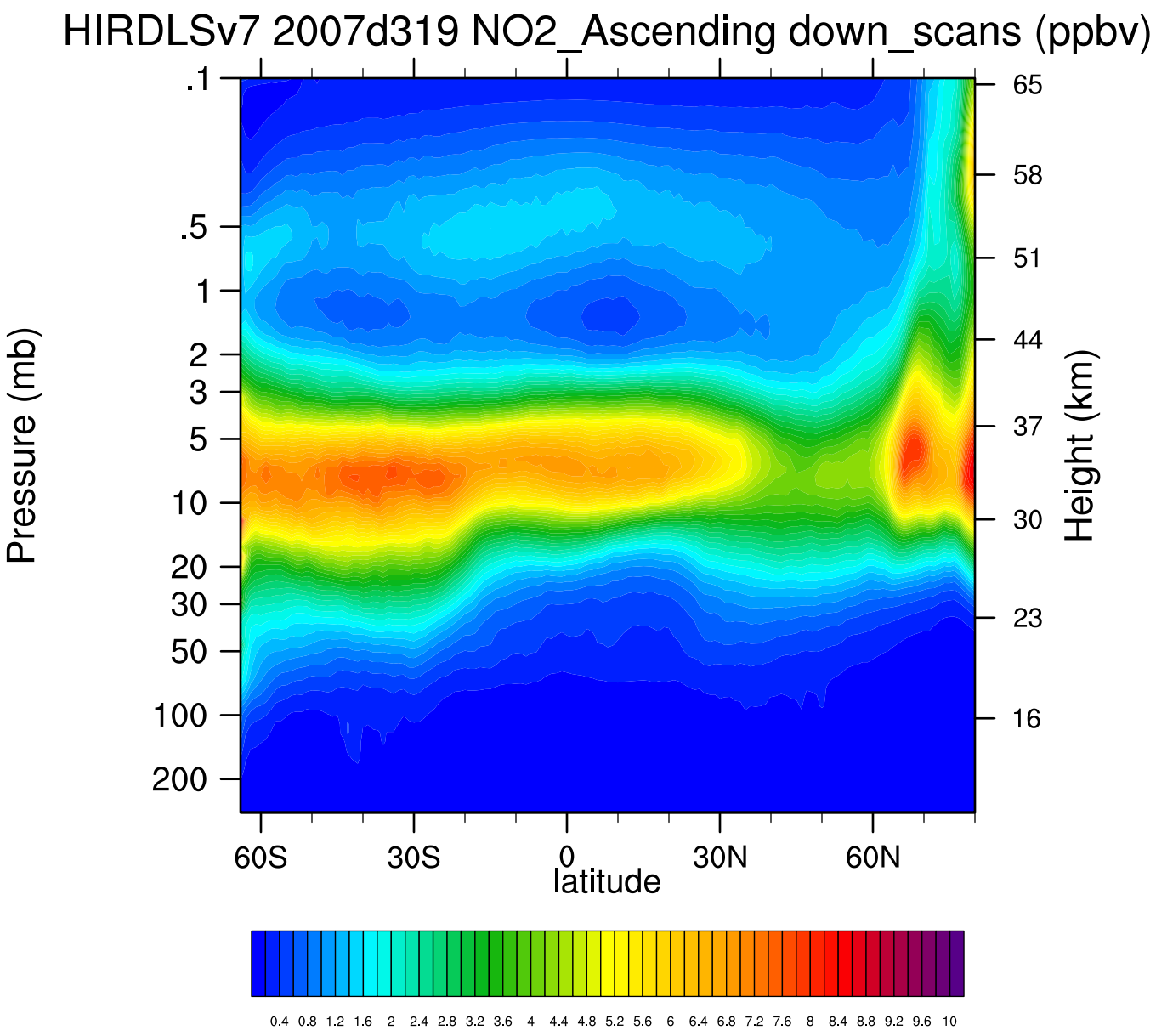

HIRDLSv7 2007d314 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

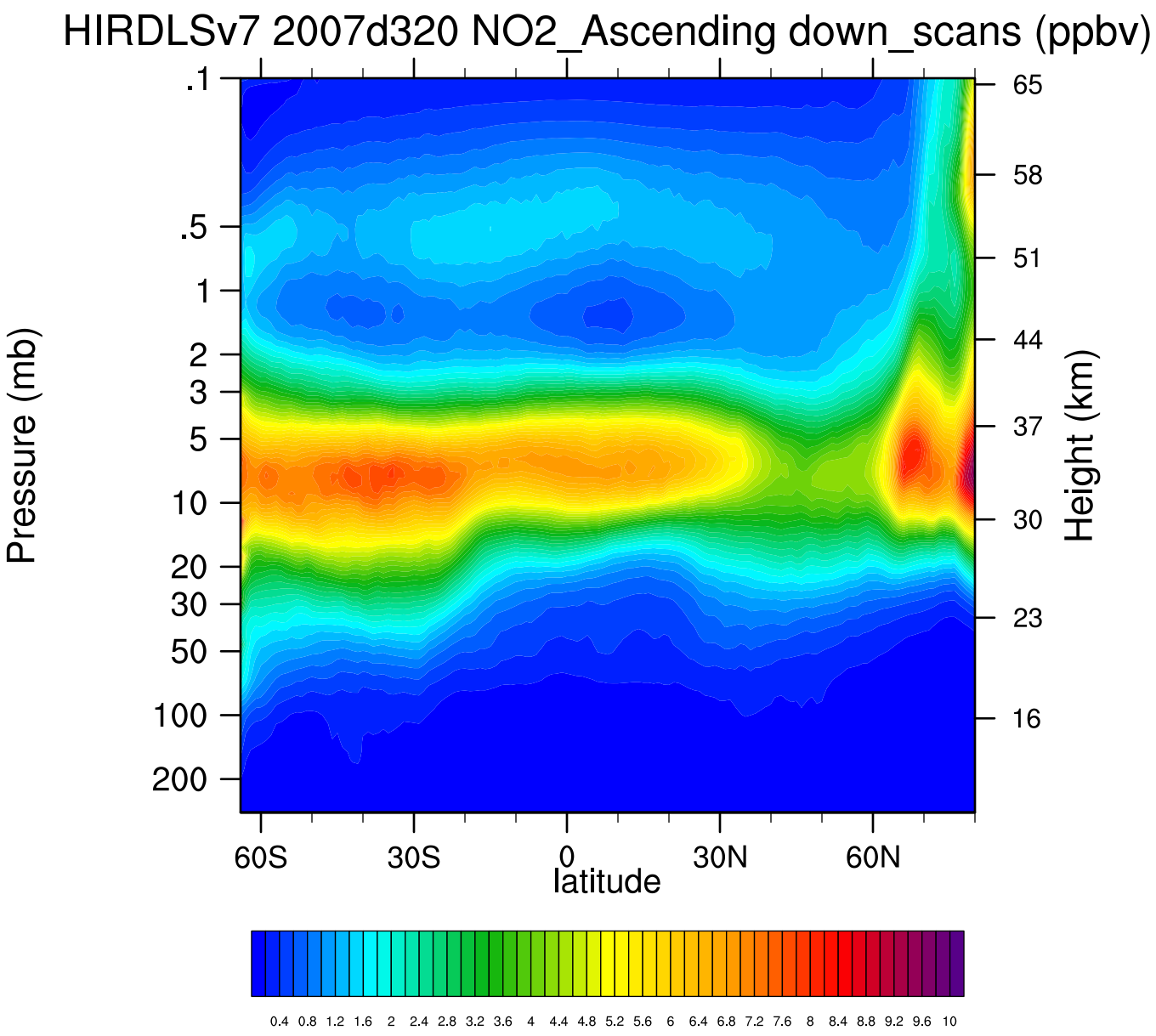

HIRDLSv7 2007d315 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

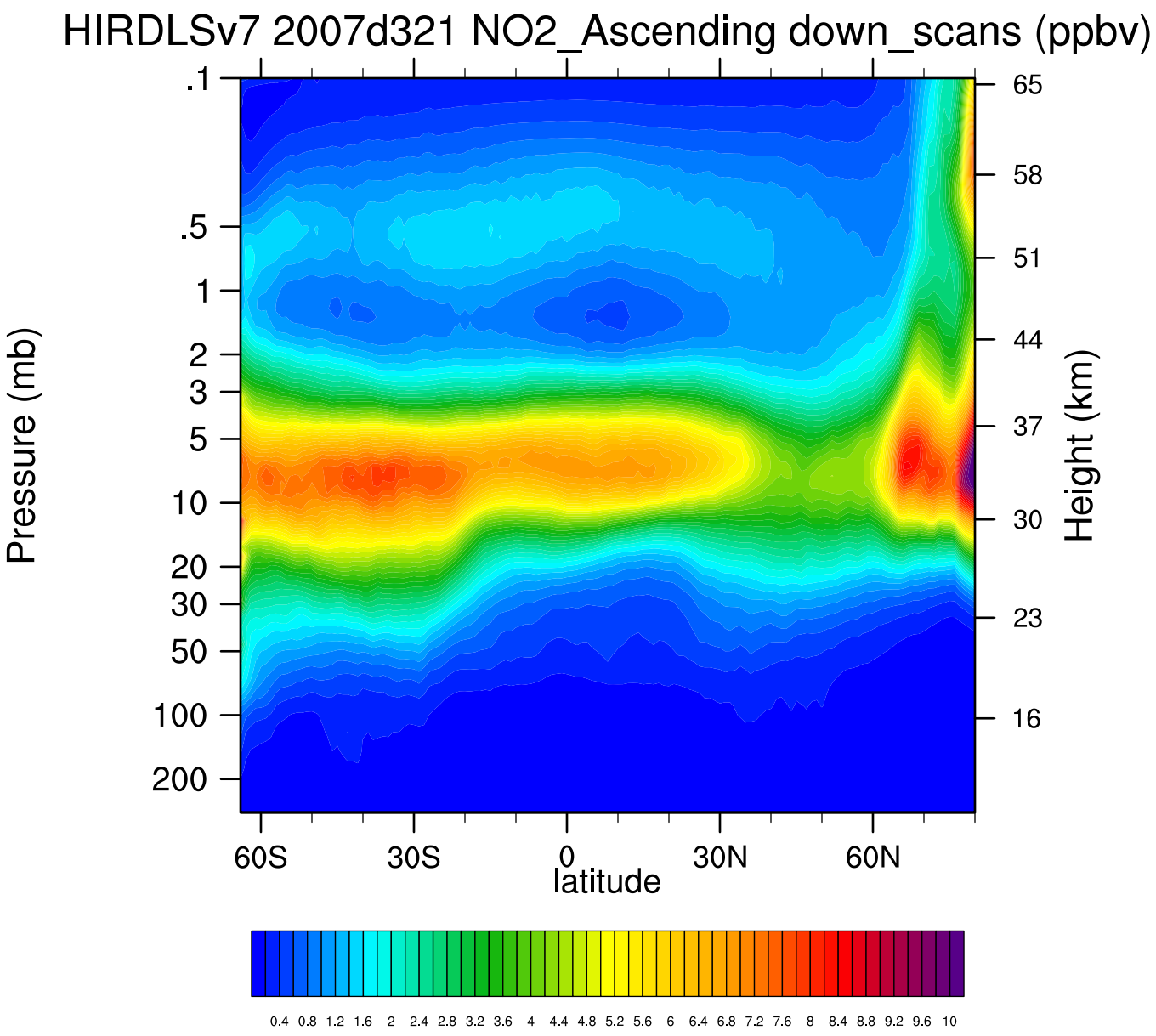

HIRDLSv7 2007d316 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

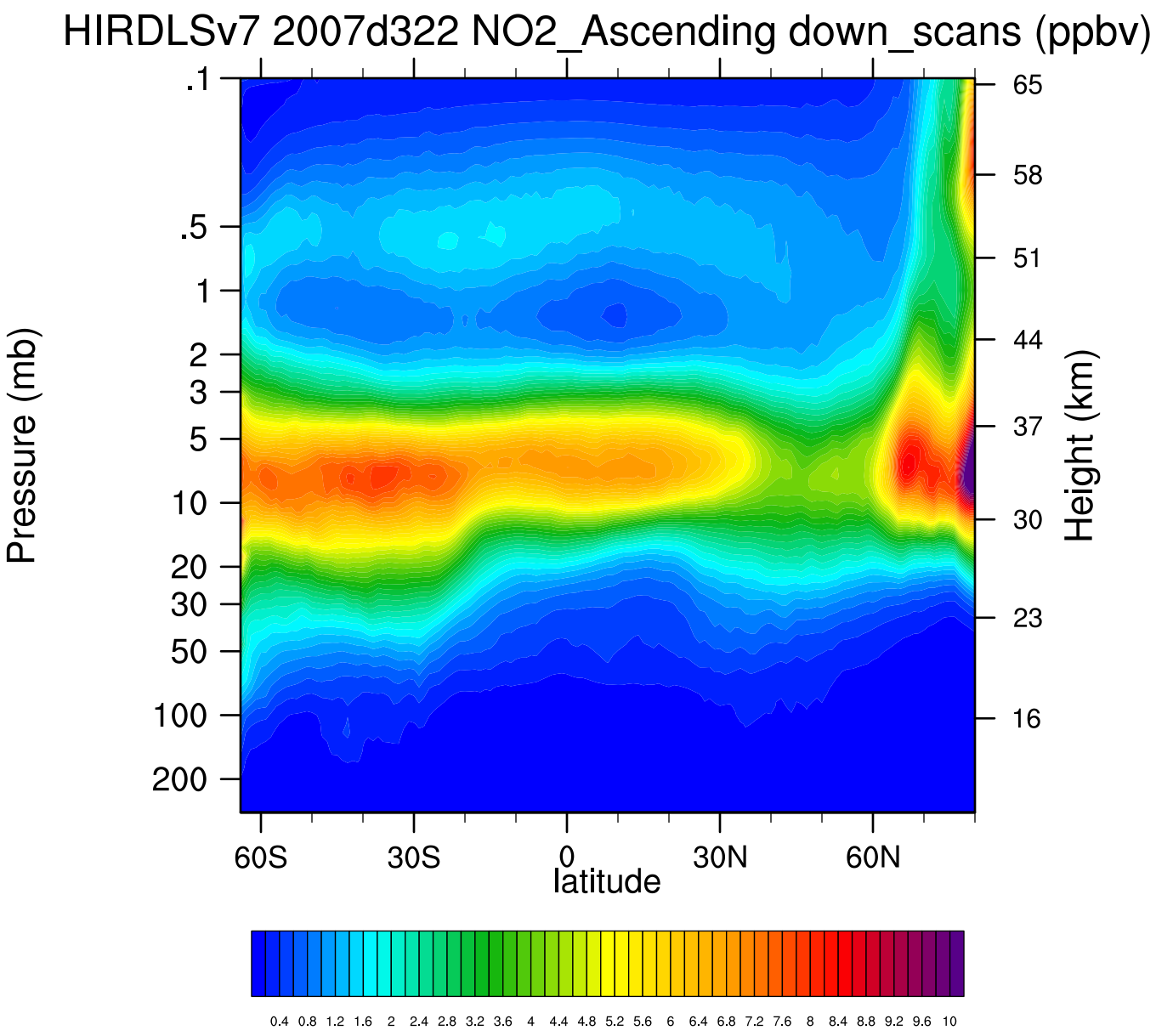

HIRDLSv7 2007d317 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

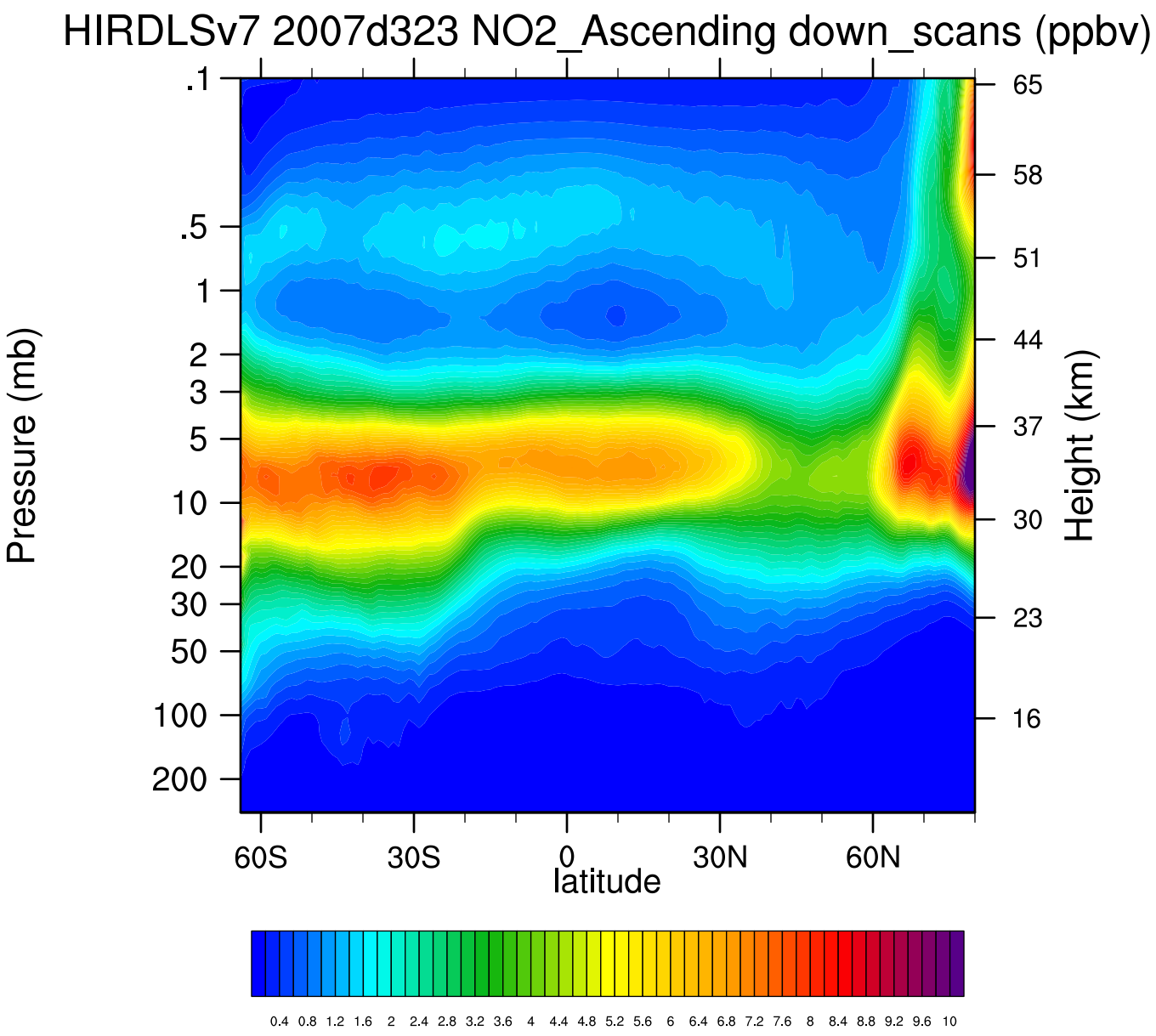

HIRDLSv7 2007d318 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

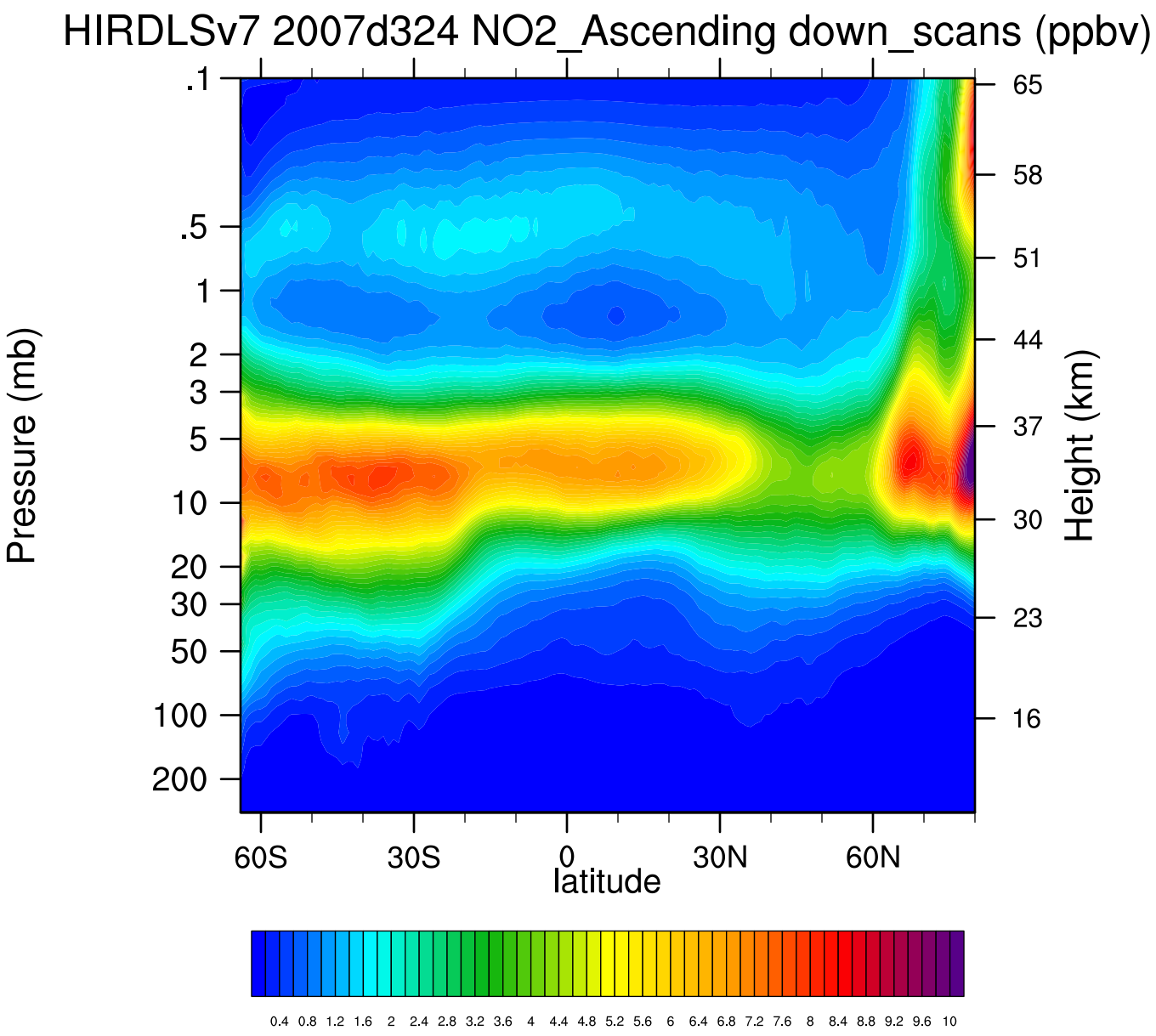

HIRDLSv7 2007d319 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

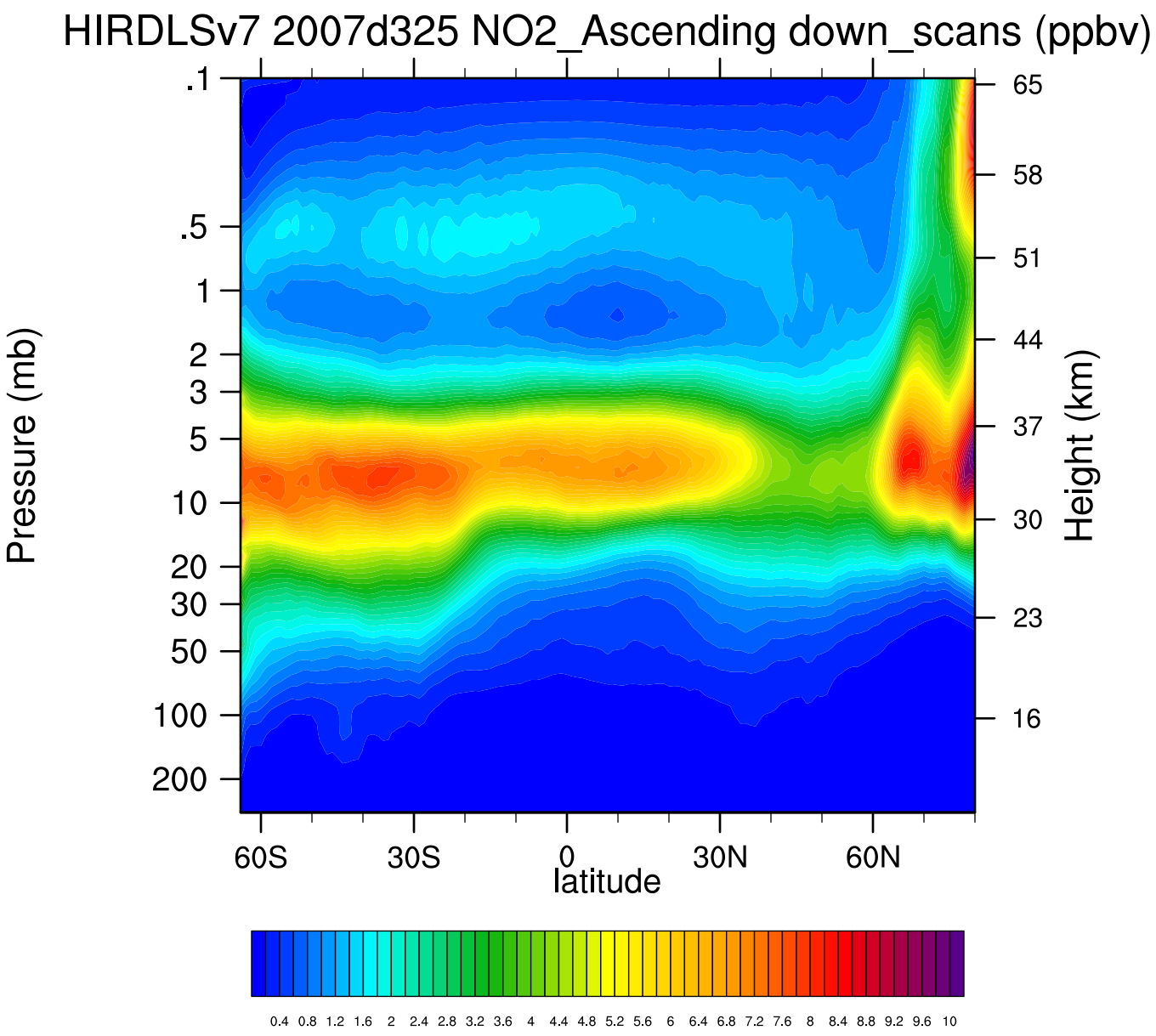

HIRDLSv7 2007d320 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

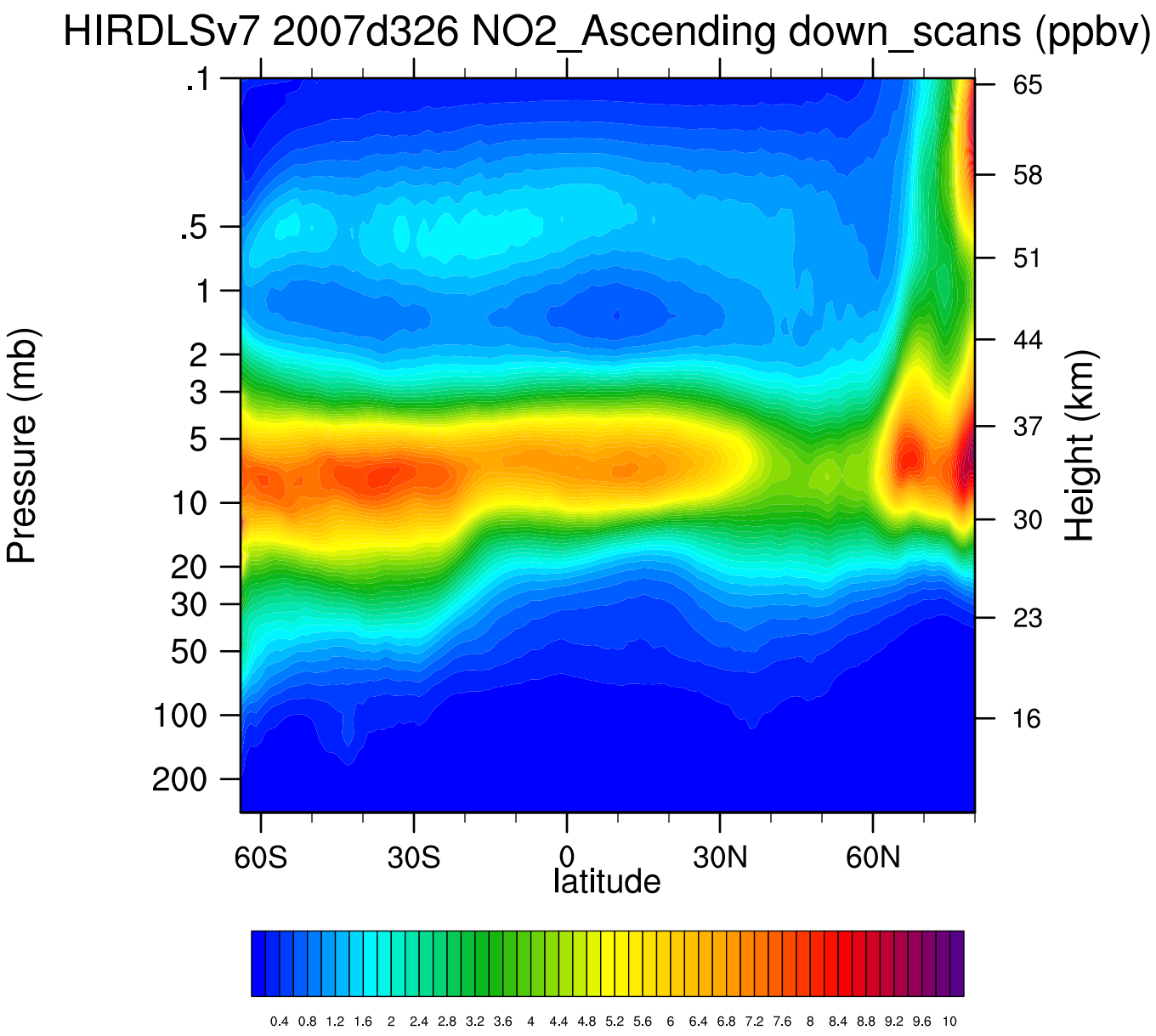

HIRDLSv7 2007d321 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

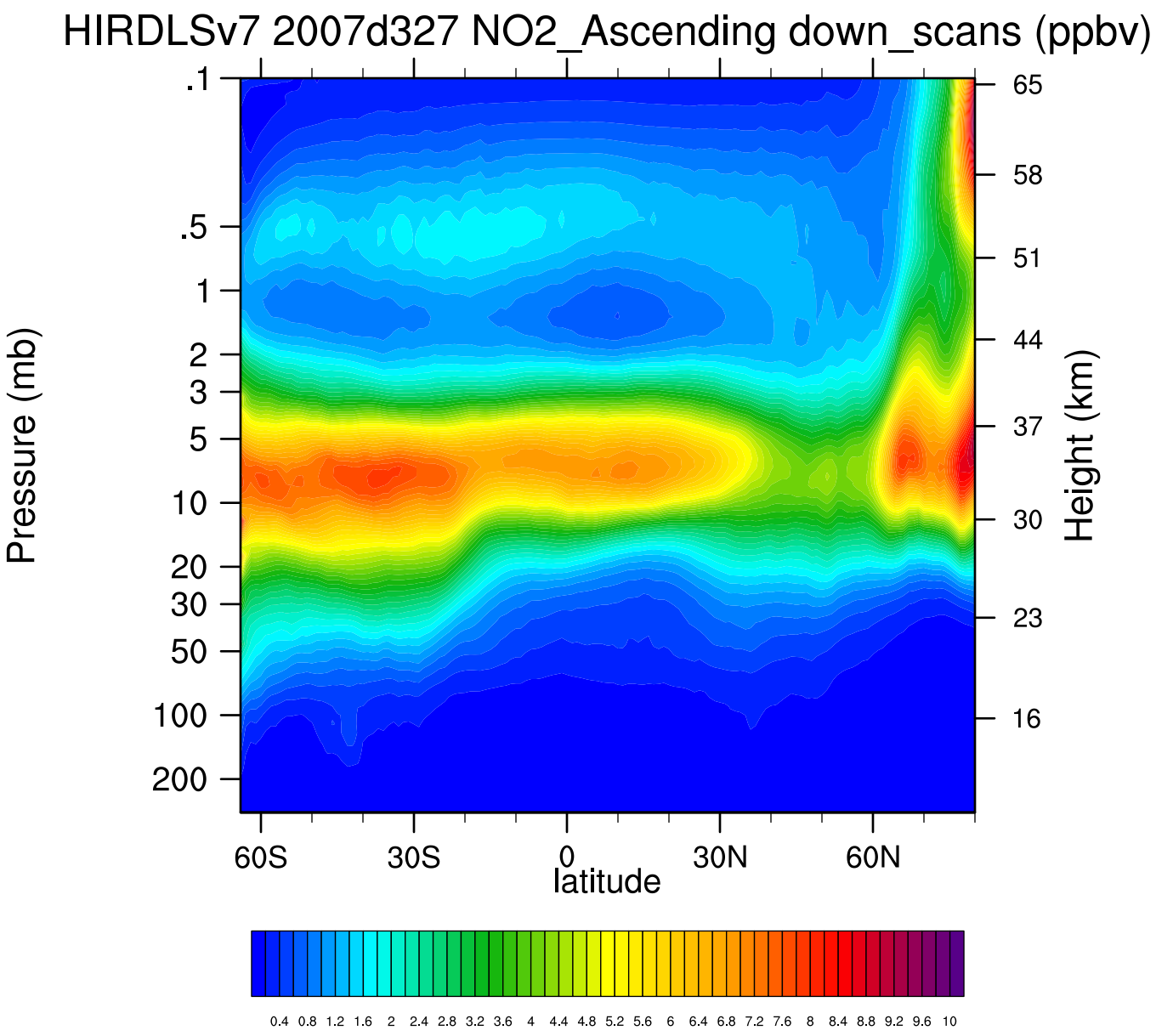

HIRDLSv7 2007d322 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

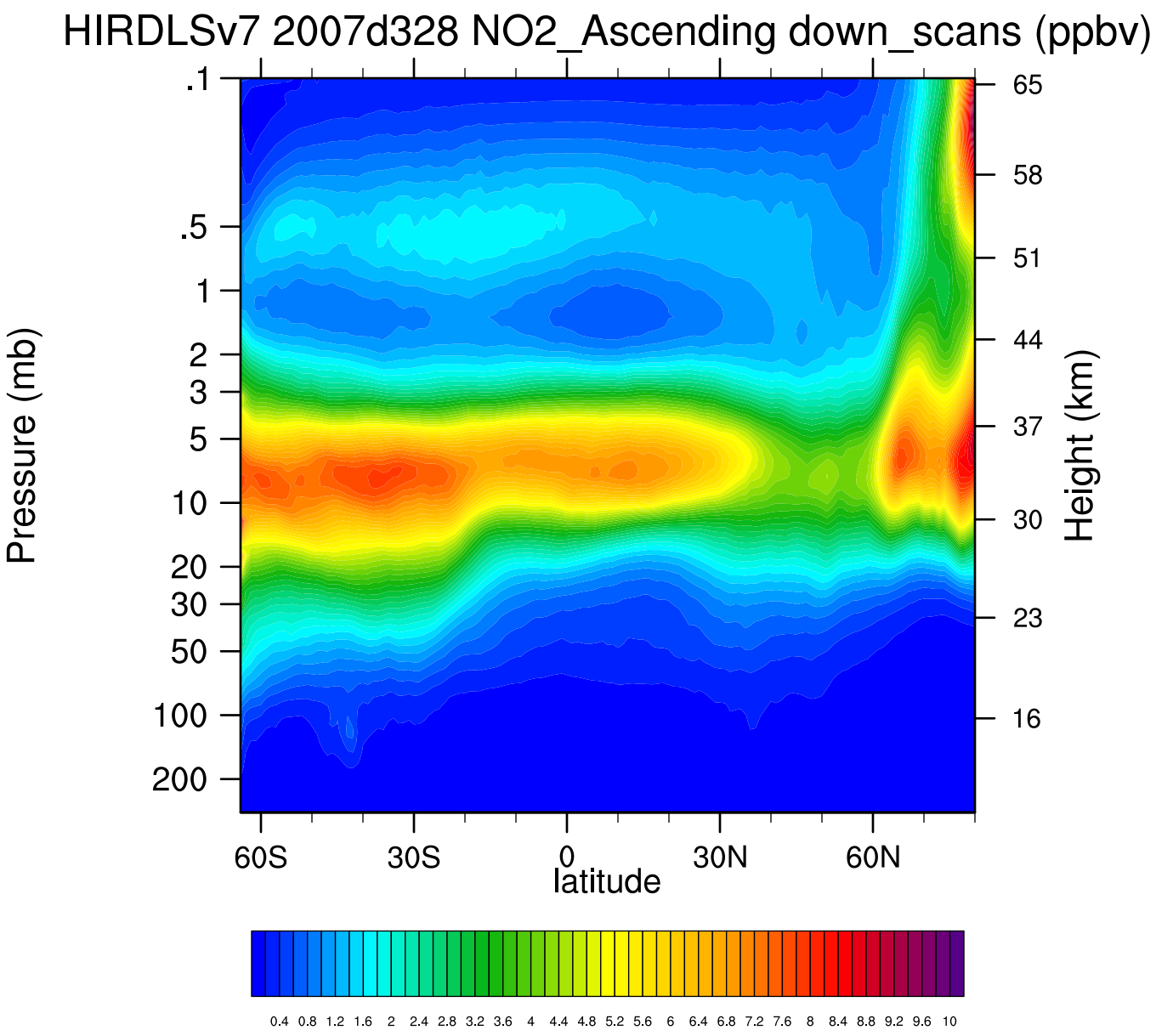

HIRDLSv7 2007d323 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

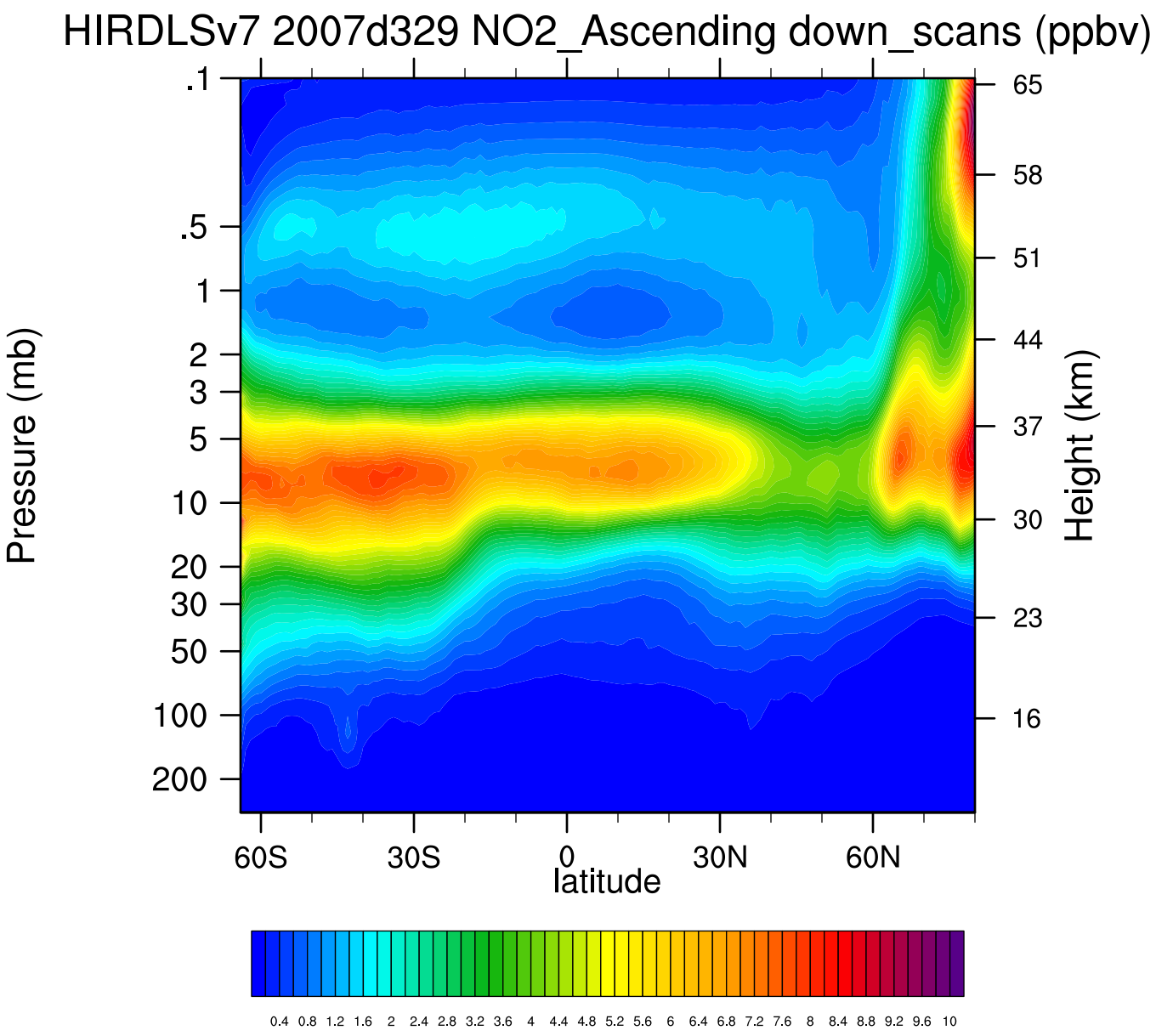

HIRDLSv7 2007d324 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

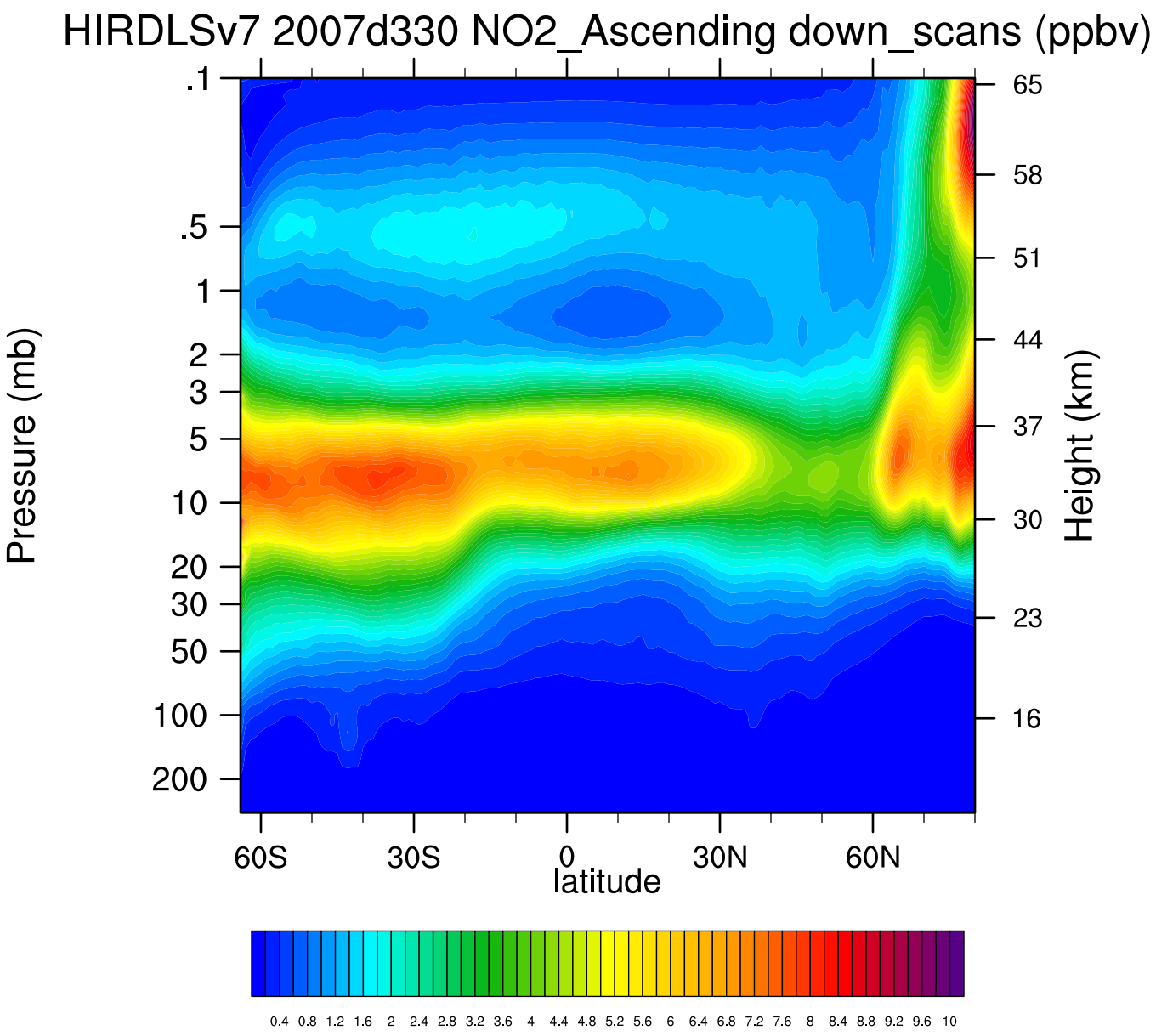

HIRDLSv7 2007d325 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

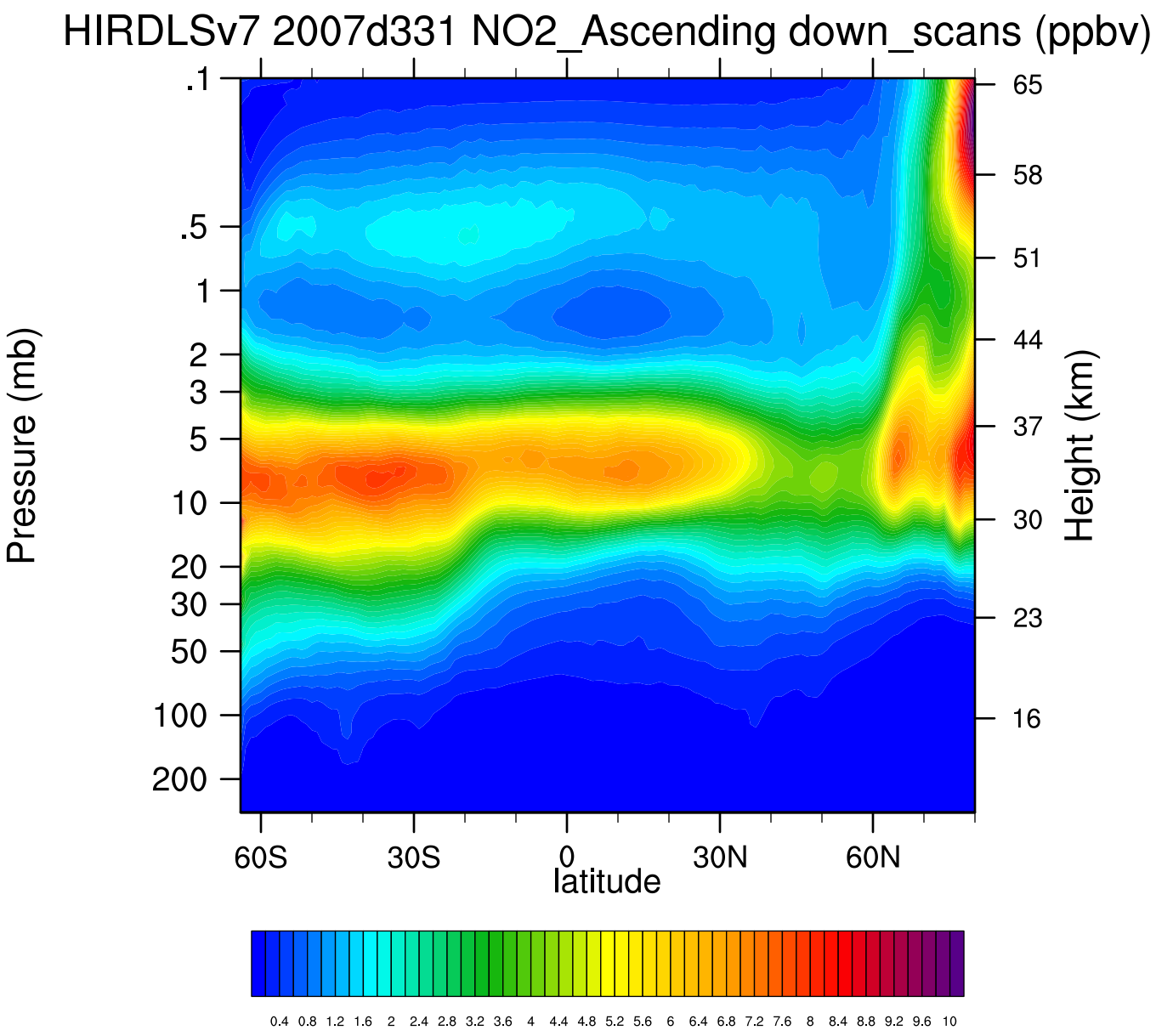

HIRDLSv7 2007d326 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

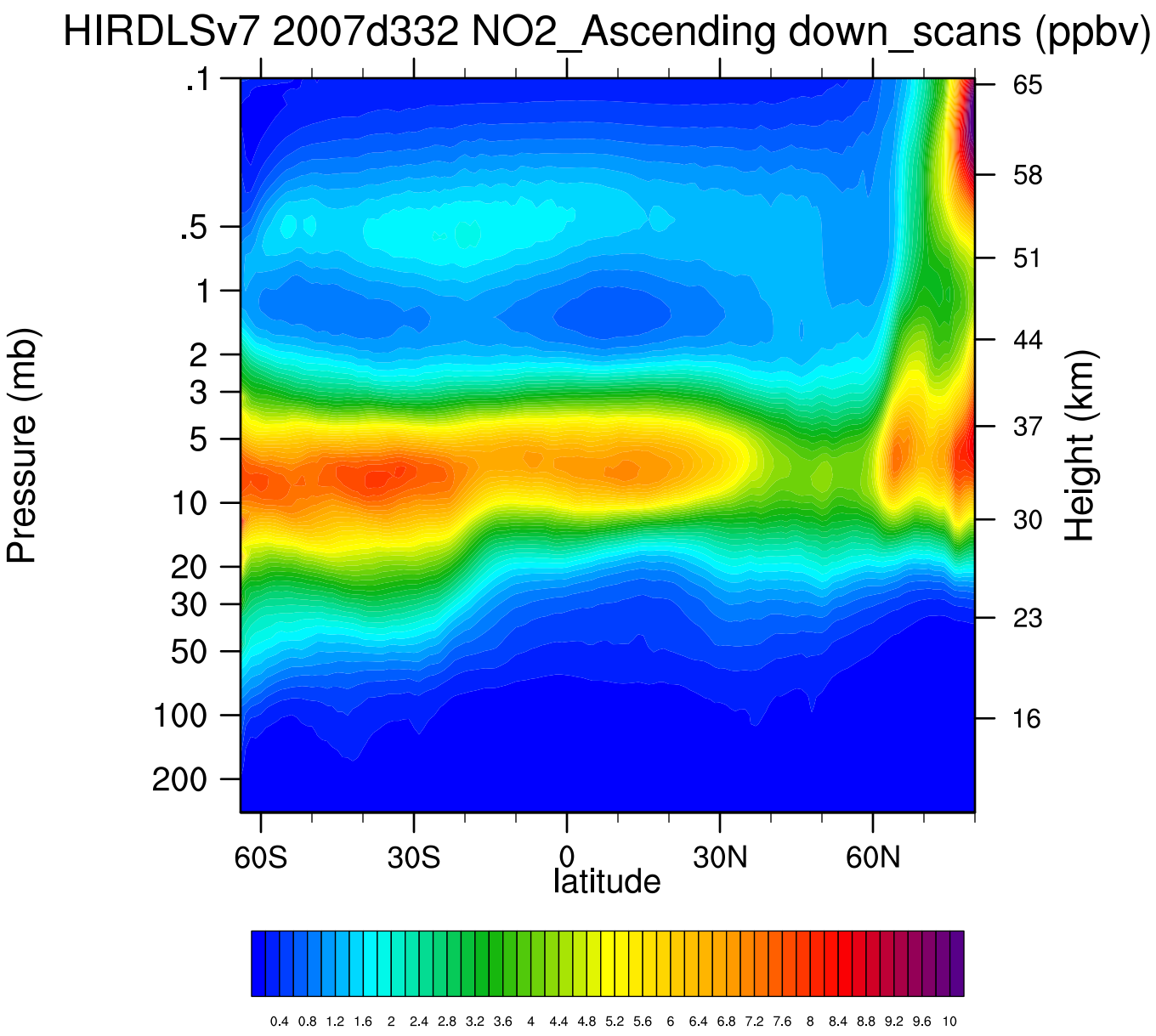

HIRDLSv7 2007d327 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d328 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d329 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d330 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d331 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d332 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
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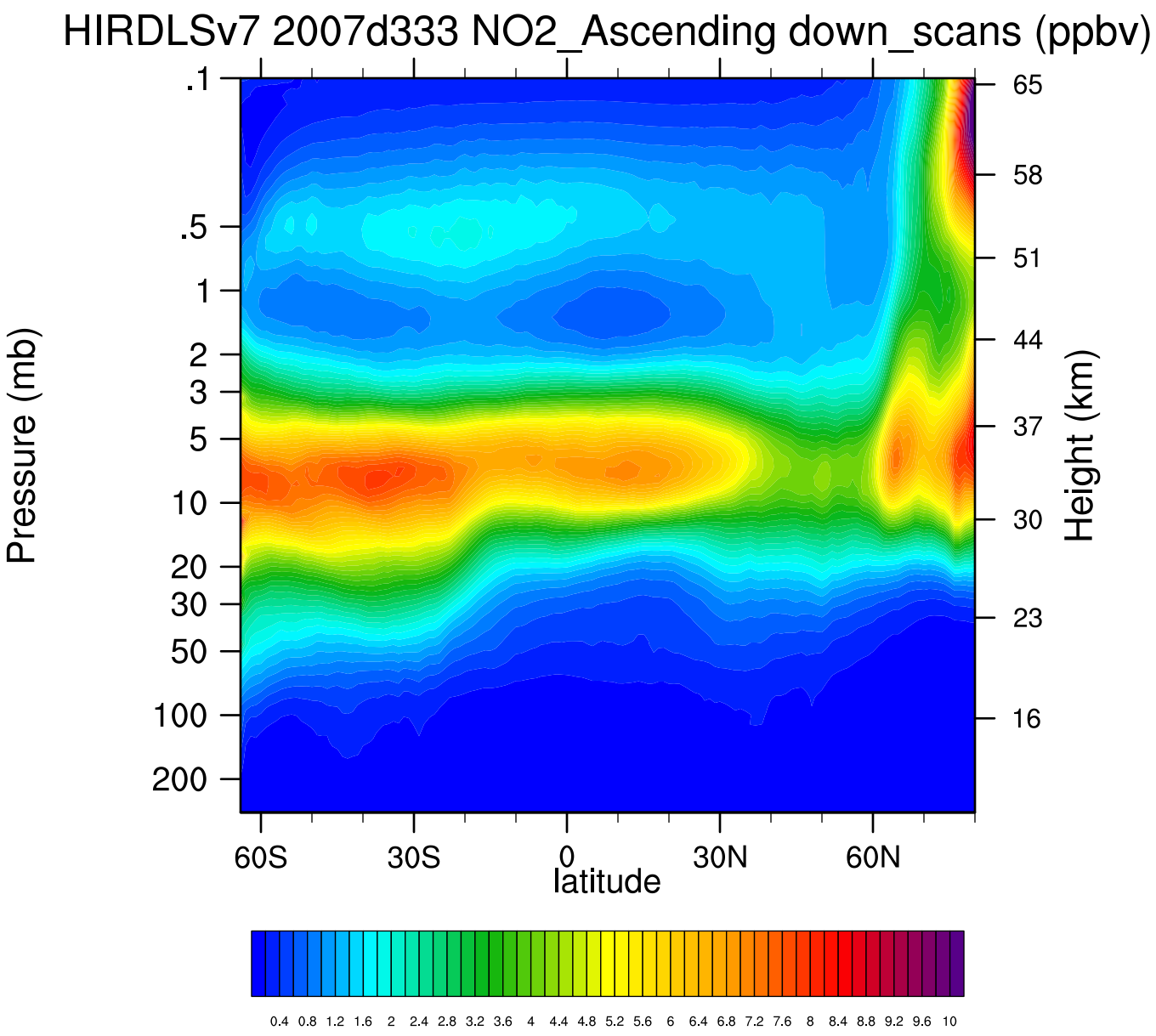
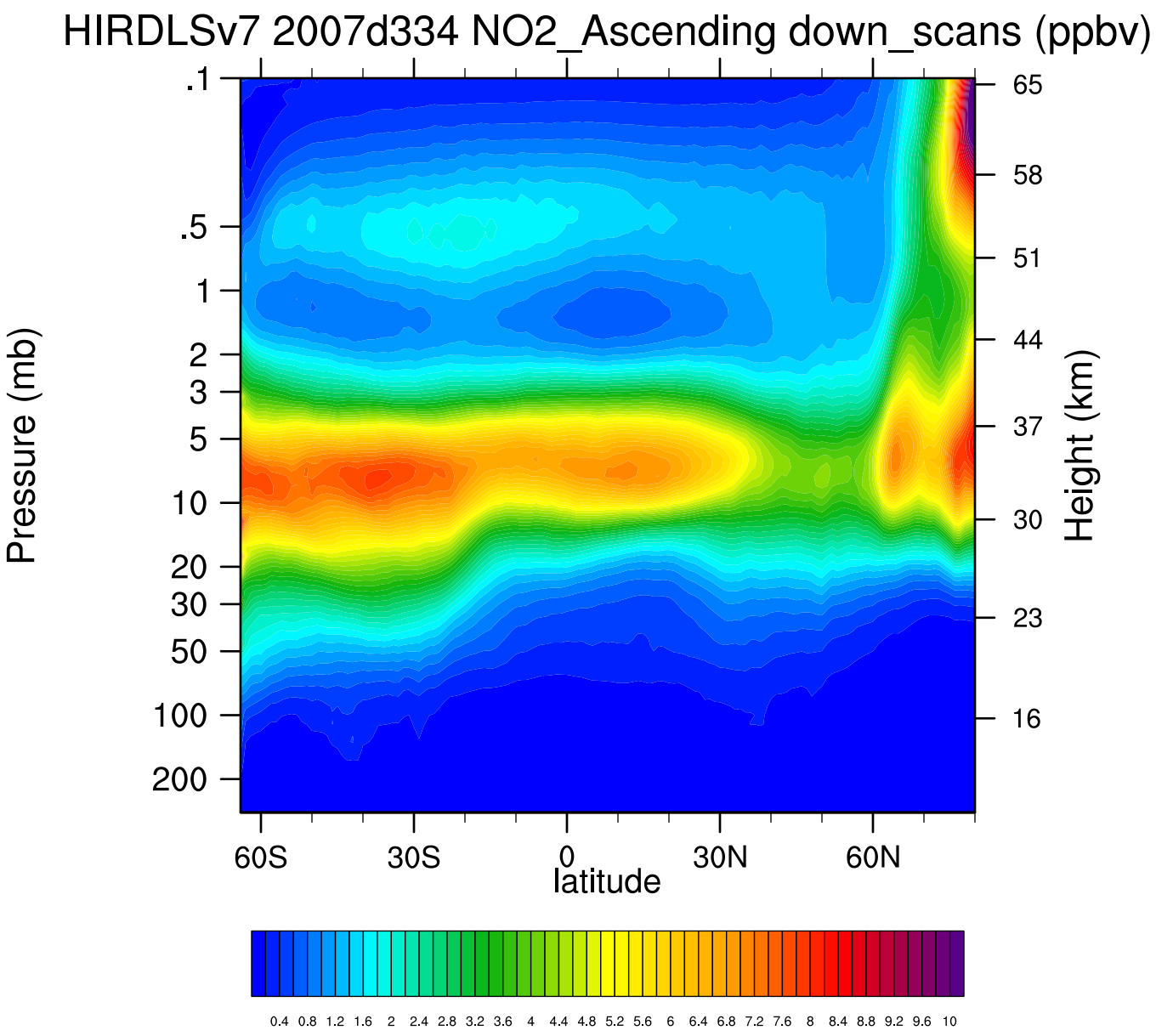
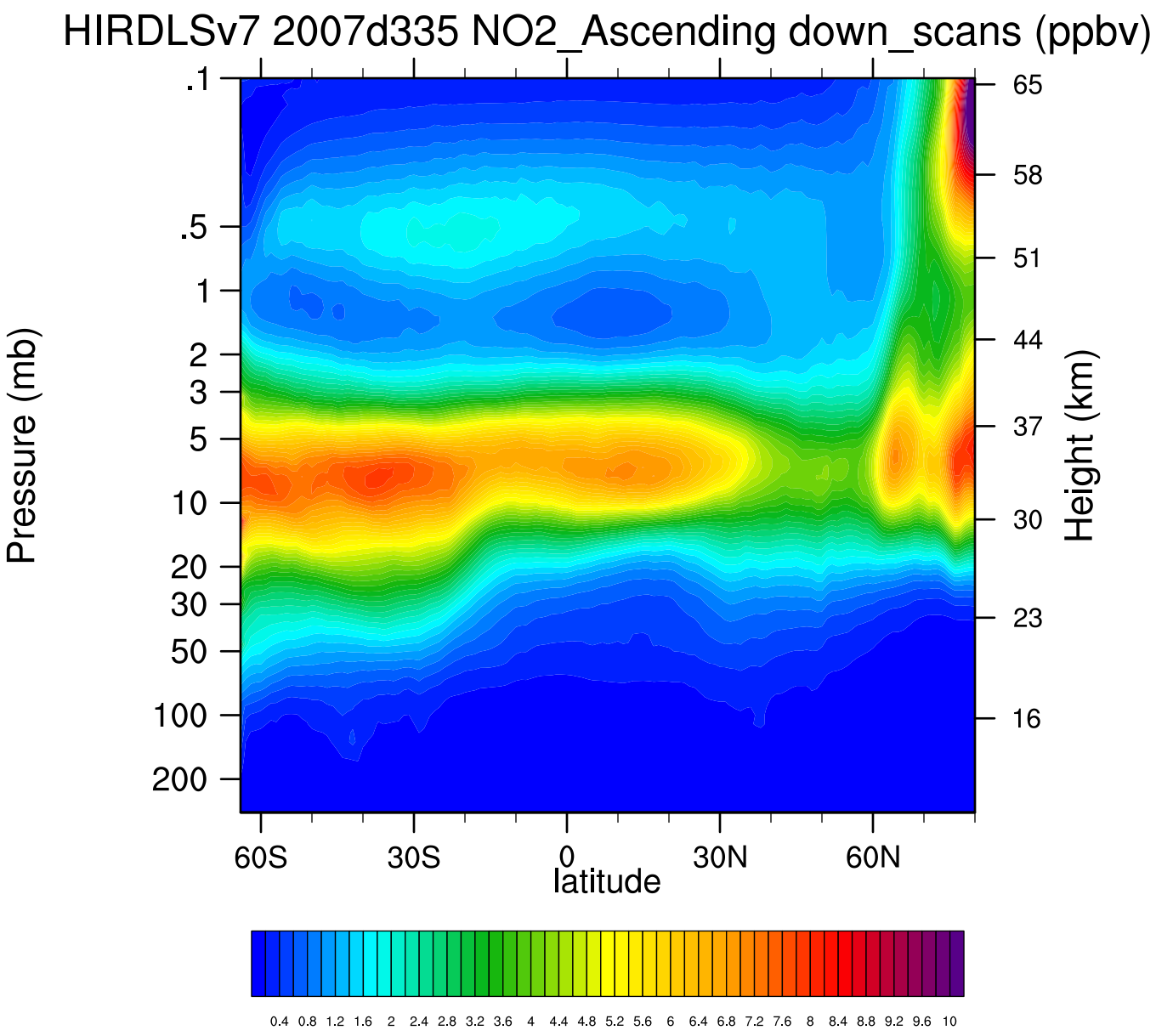
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d333 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d334 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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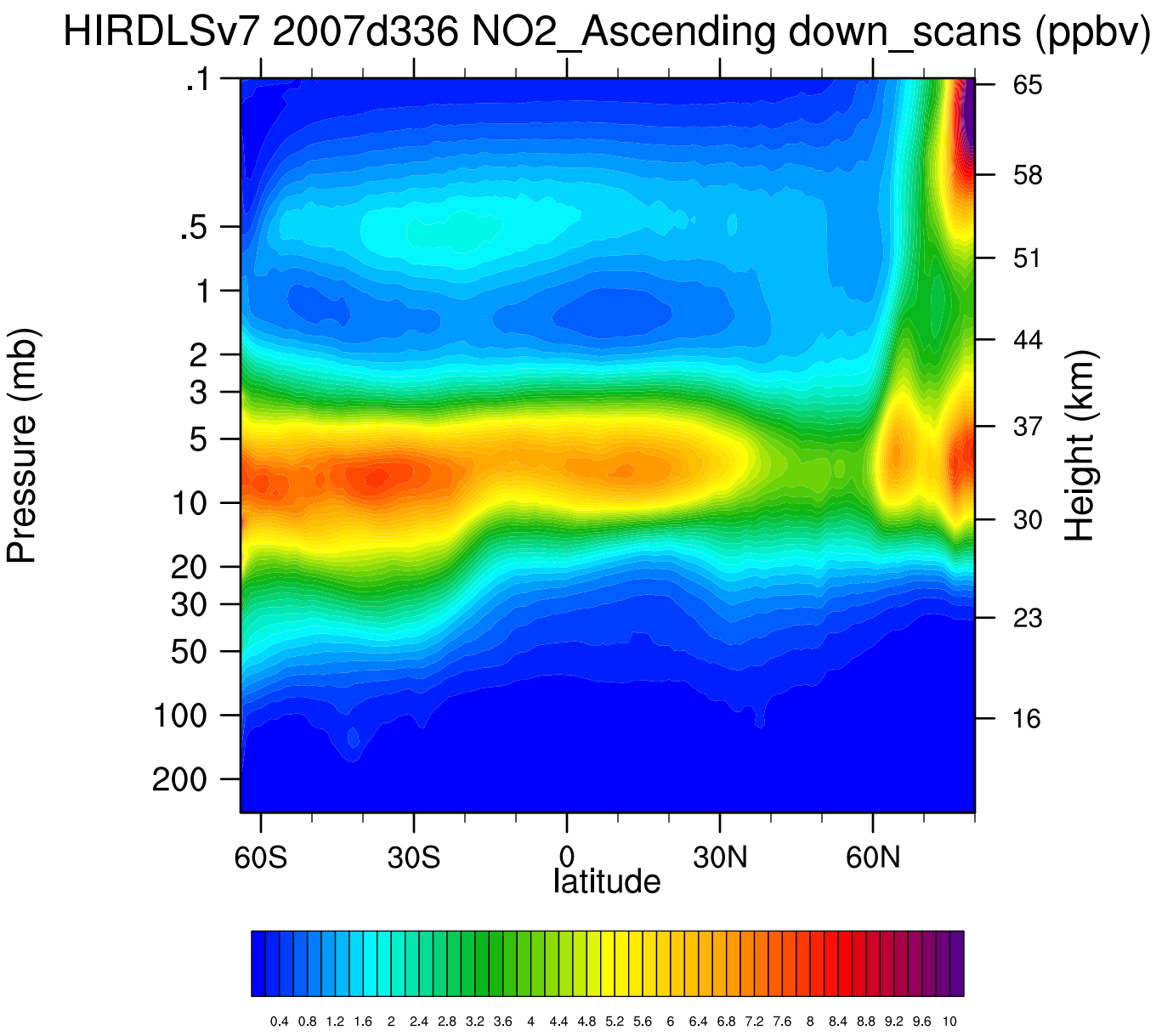
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d336 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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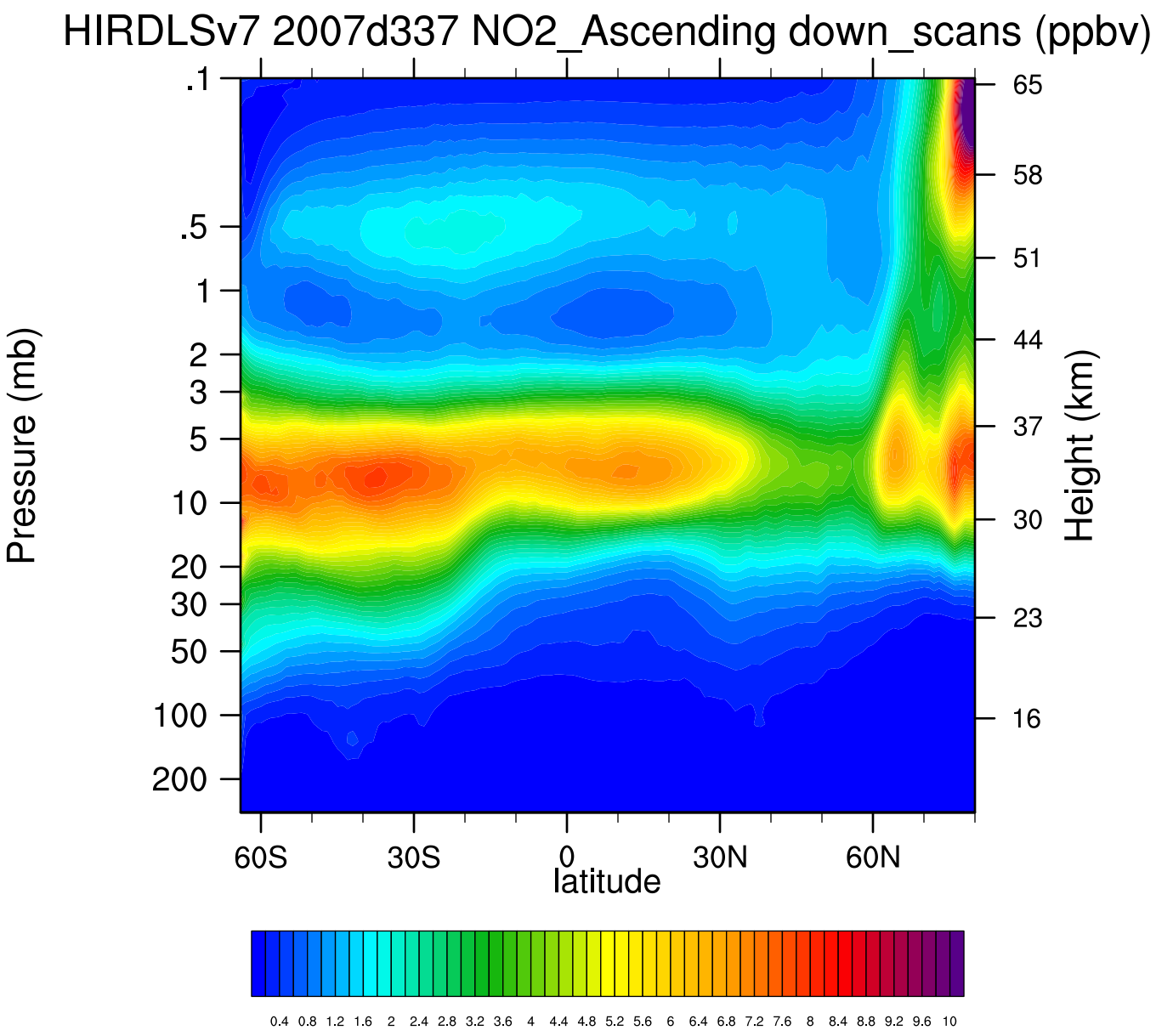
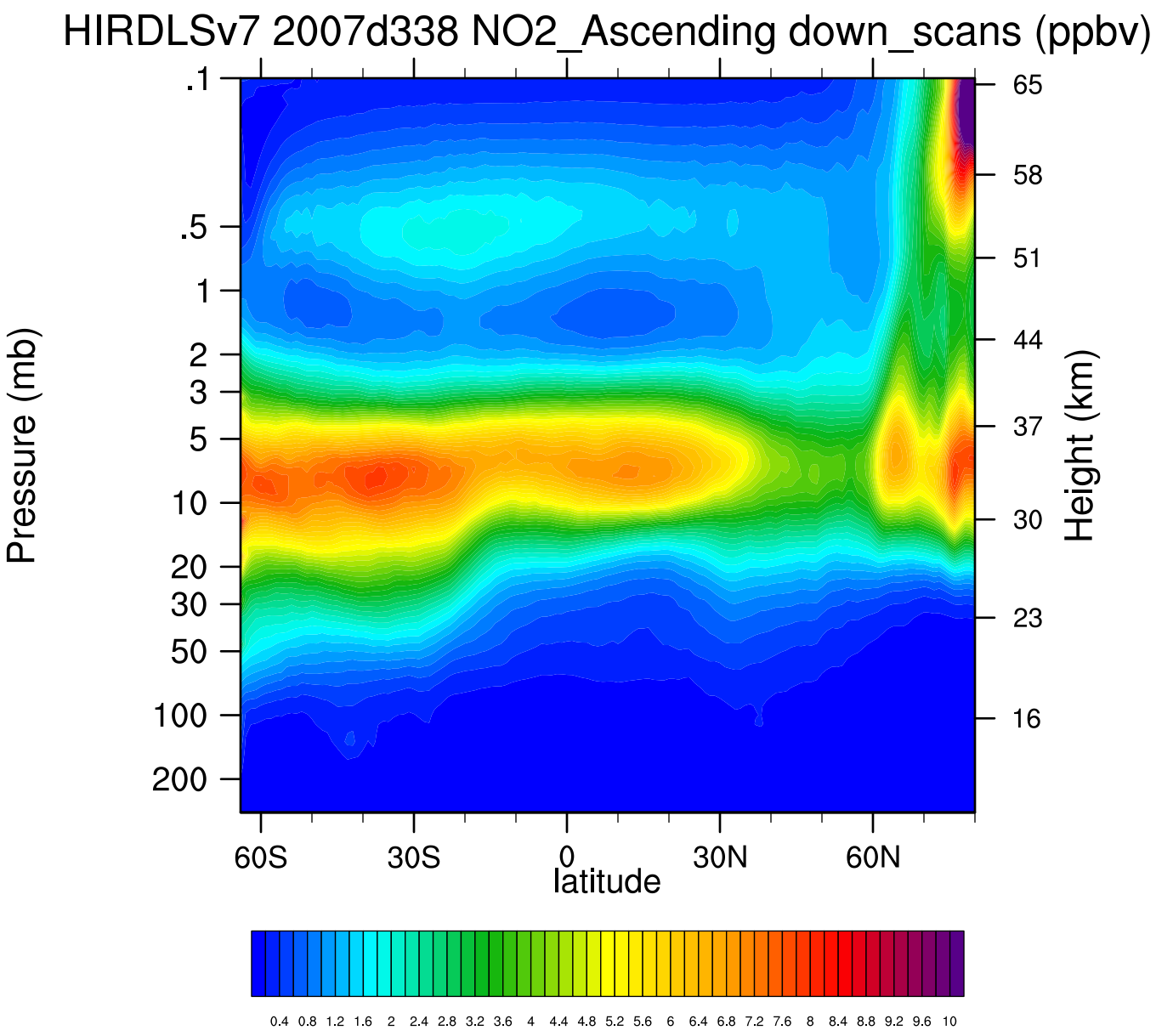
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d337 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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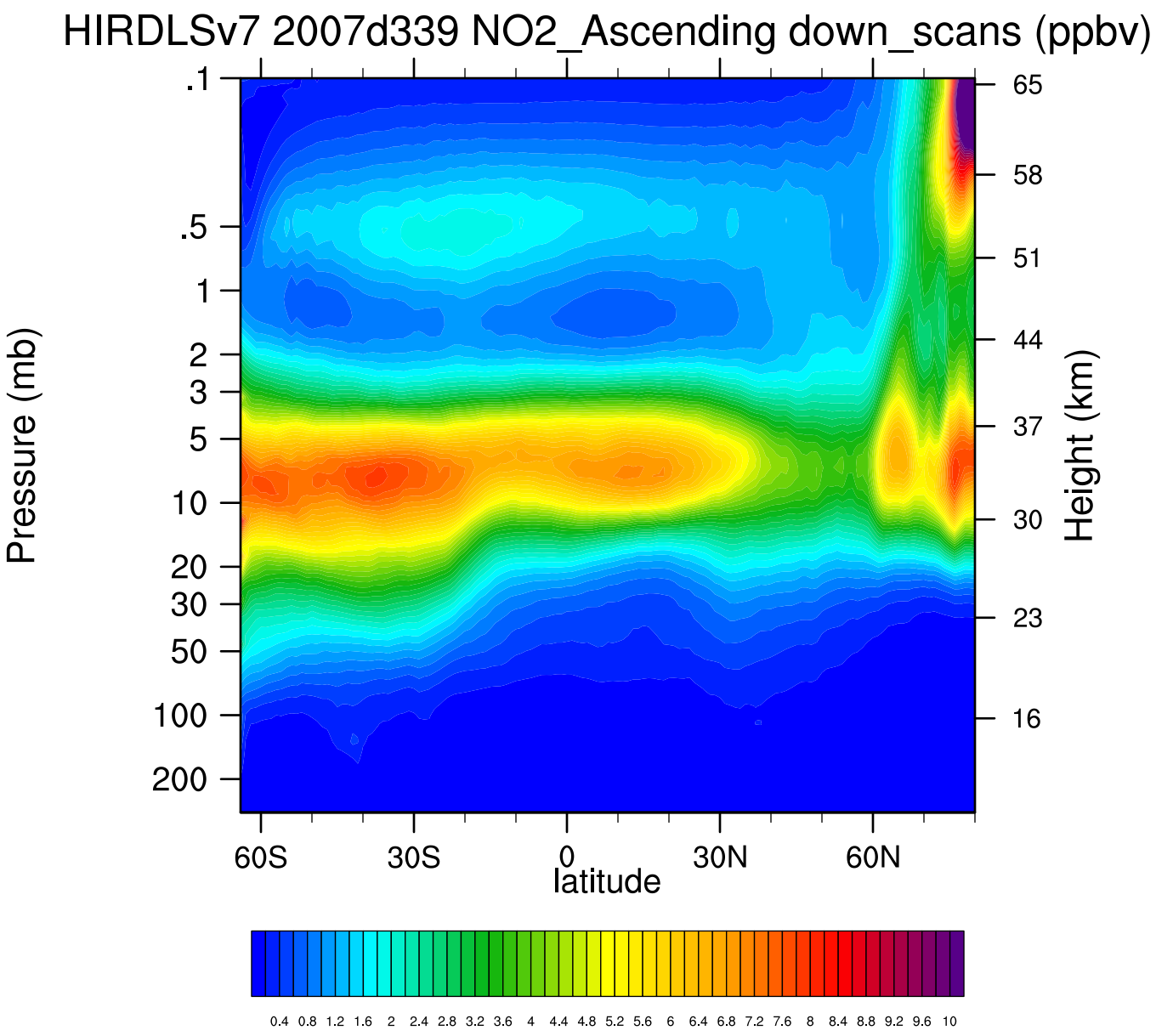
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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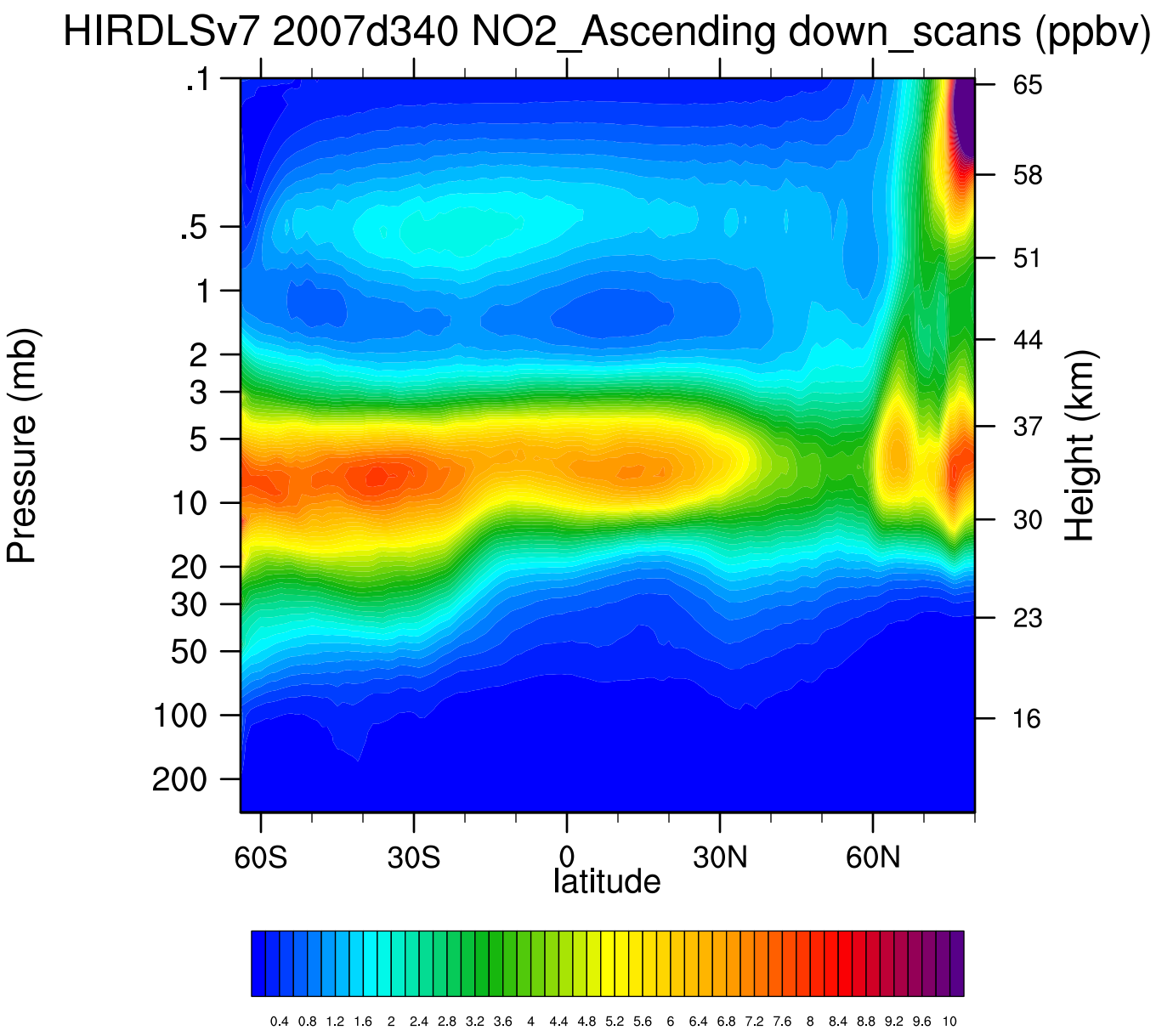
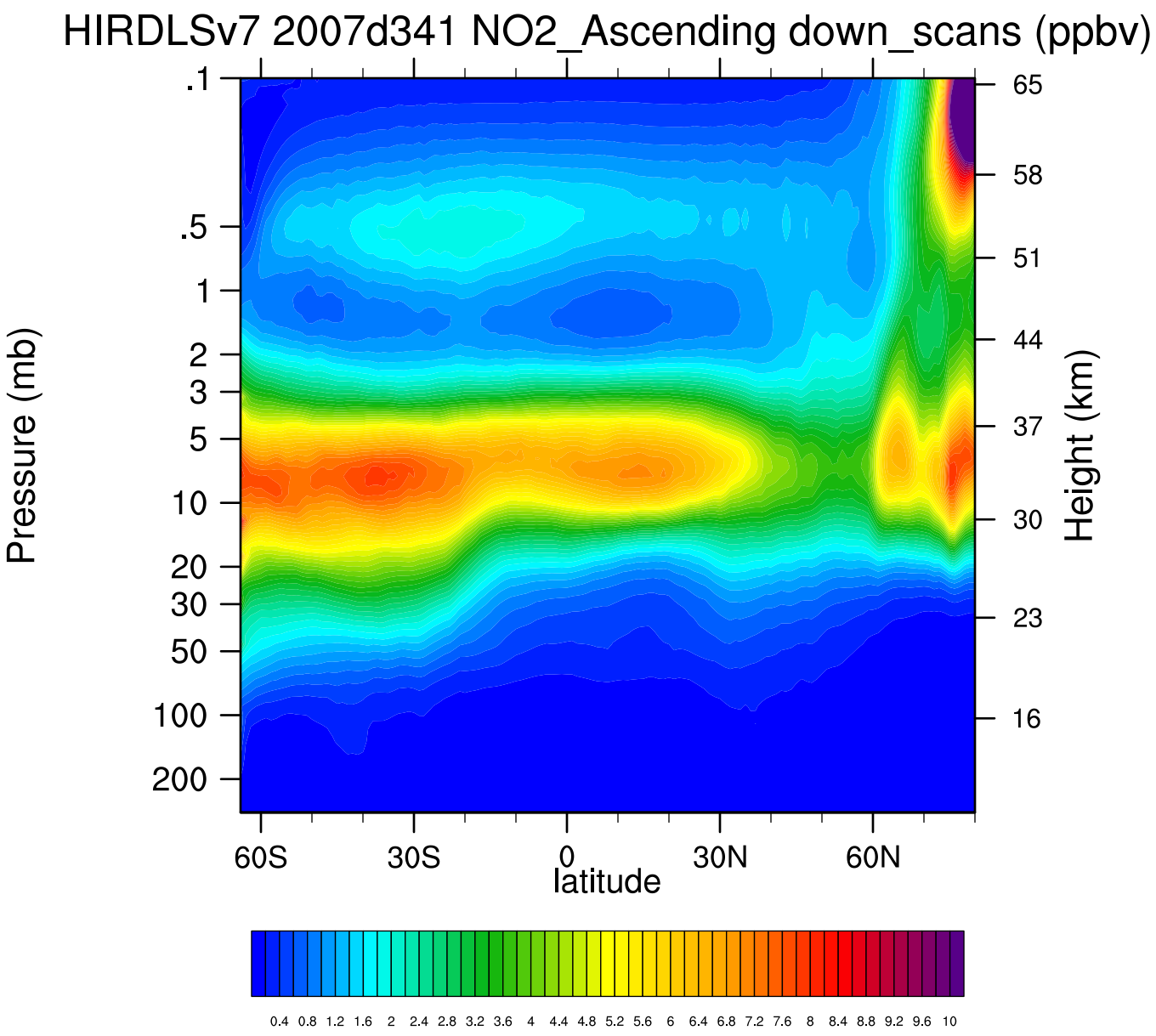
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d340 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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.5
1
2
3
5
10
20
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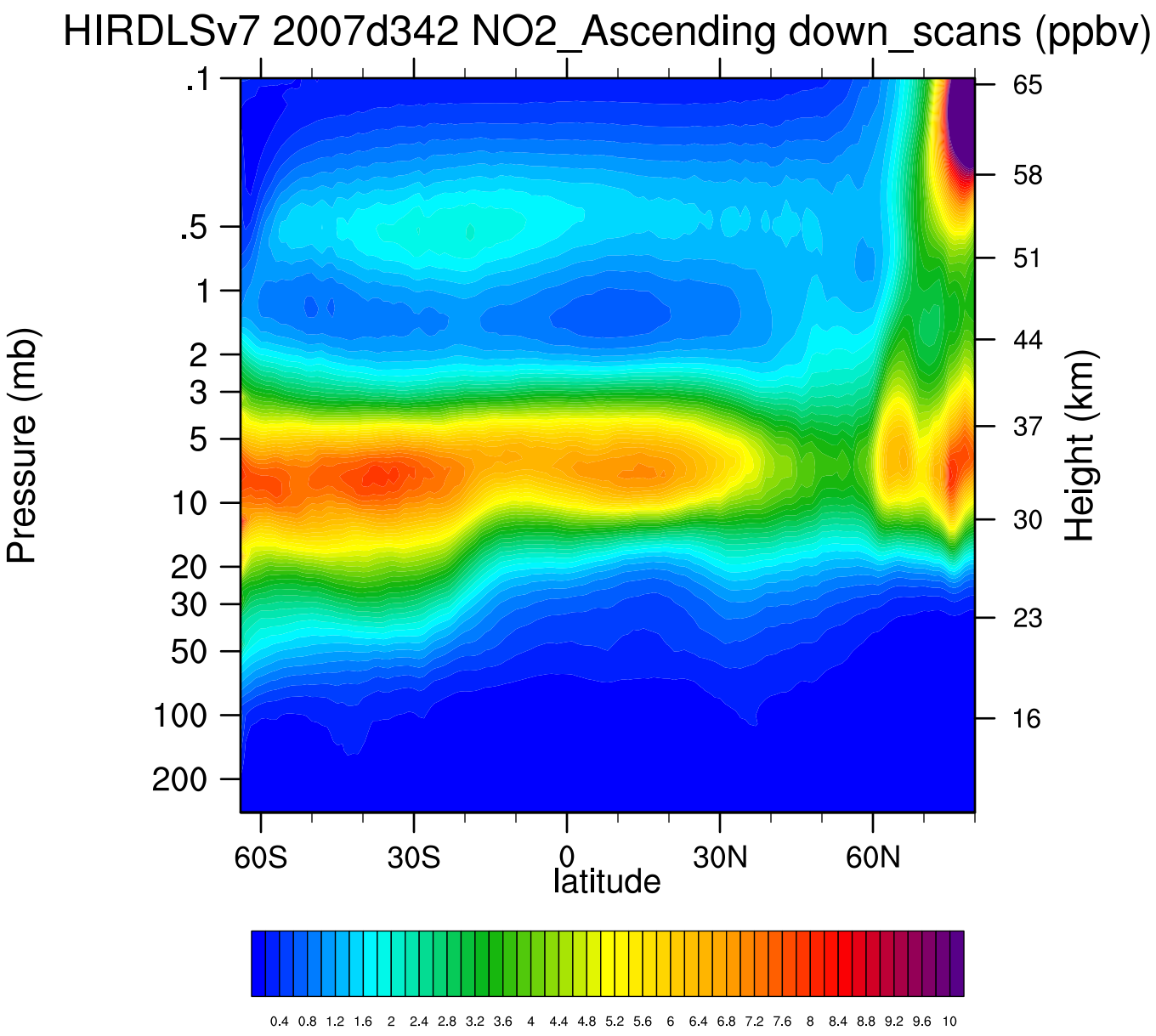
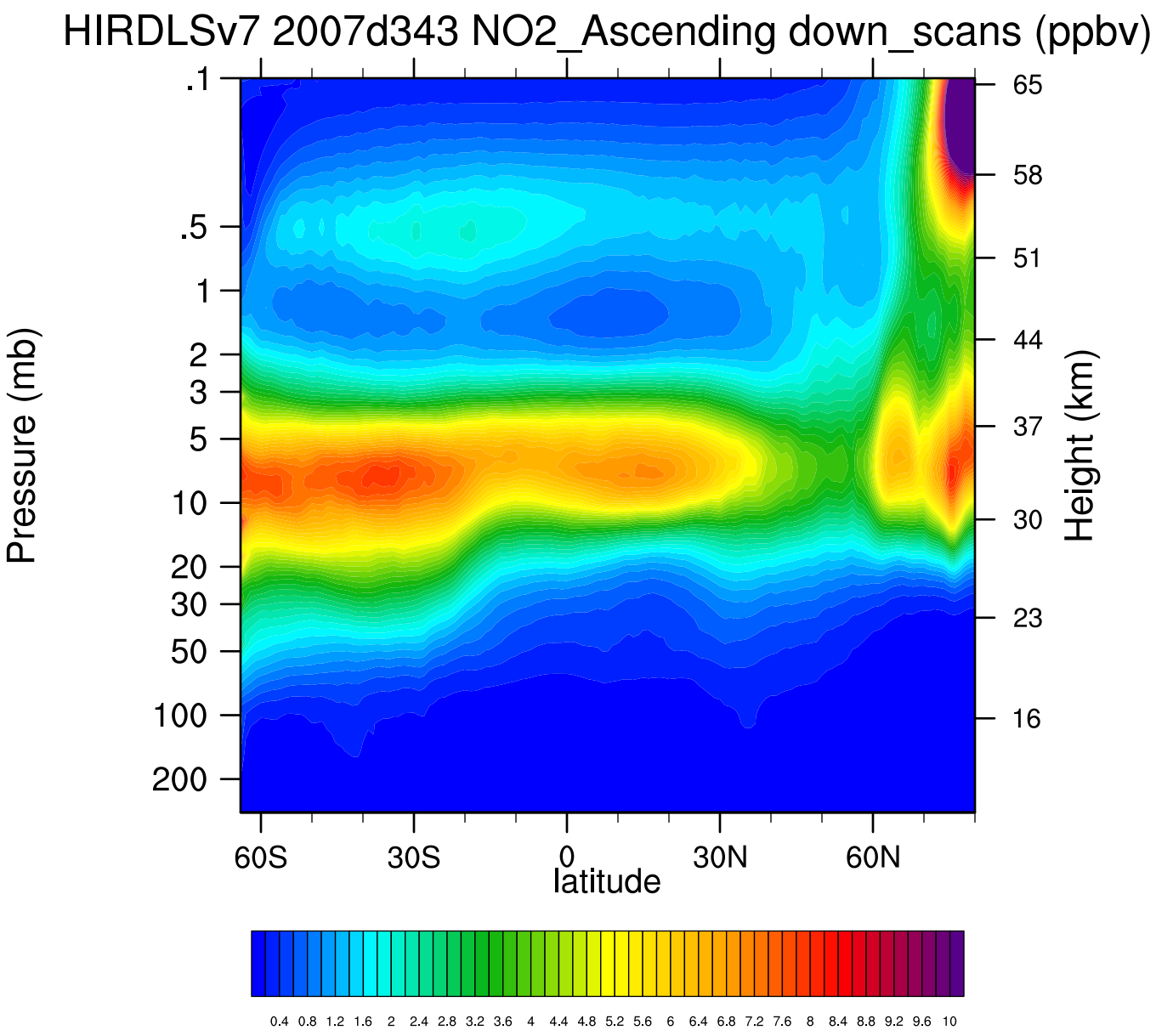
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d342 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d343 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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.5
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2
3
5
10
20
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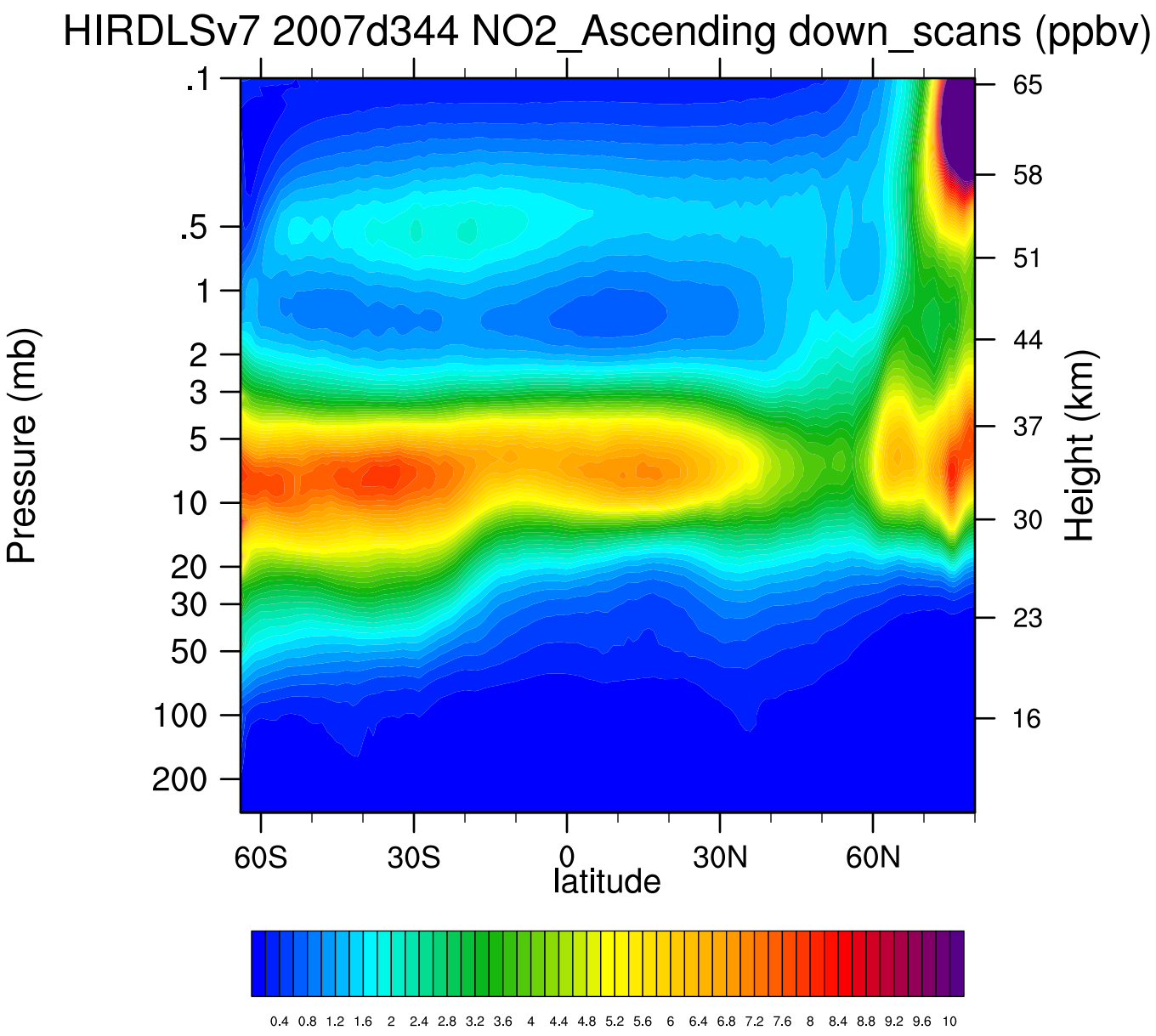
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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.5
1
2
3
5
10
20
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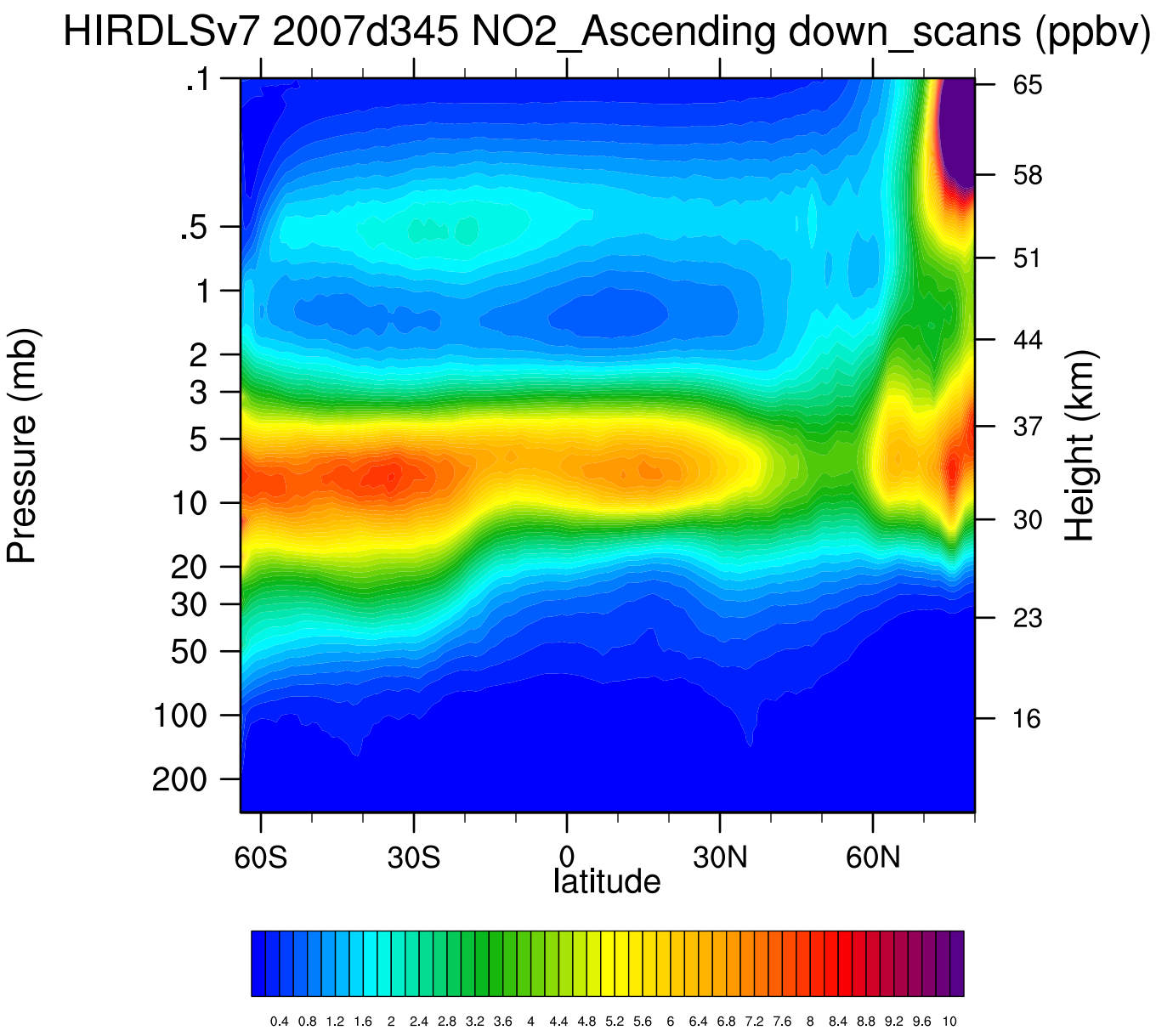
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d345 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
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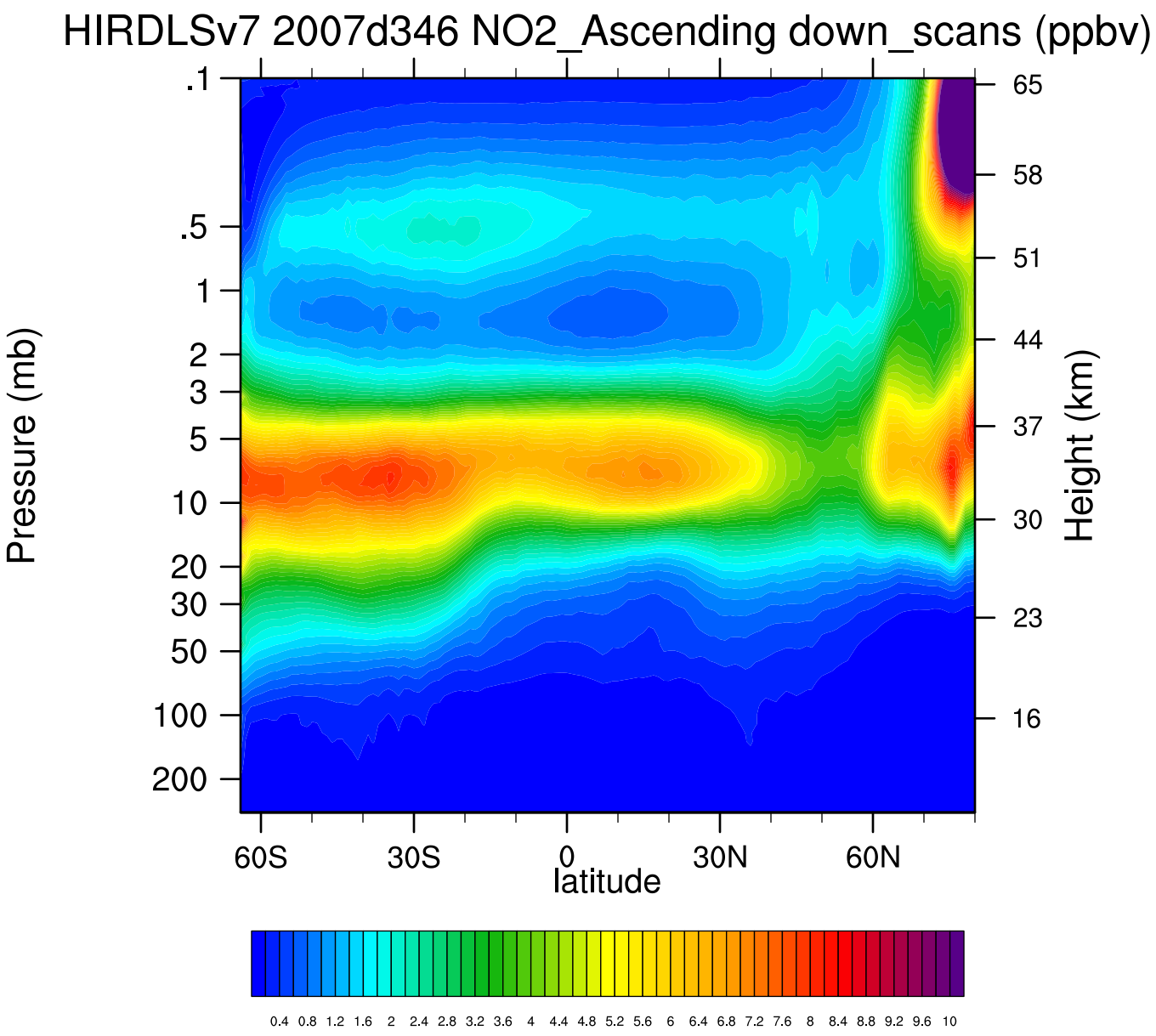
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2007d346 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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.5
1
2
3
5
10
20
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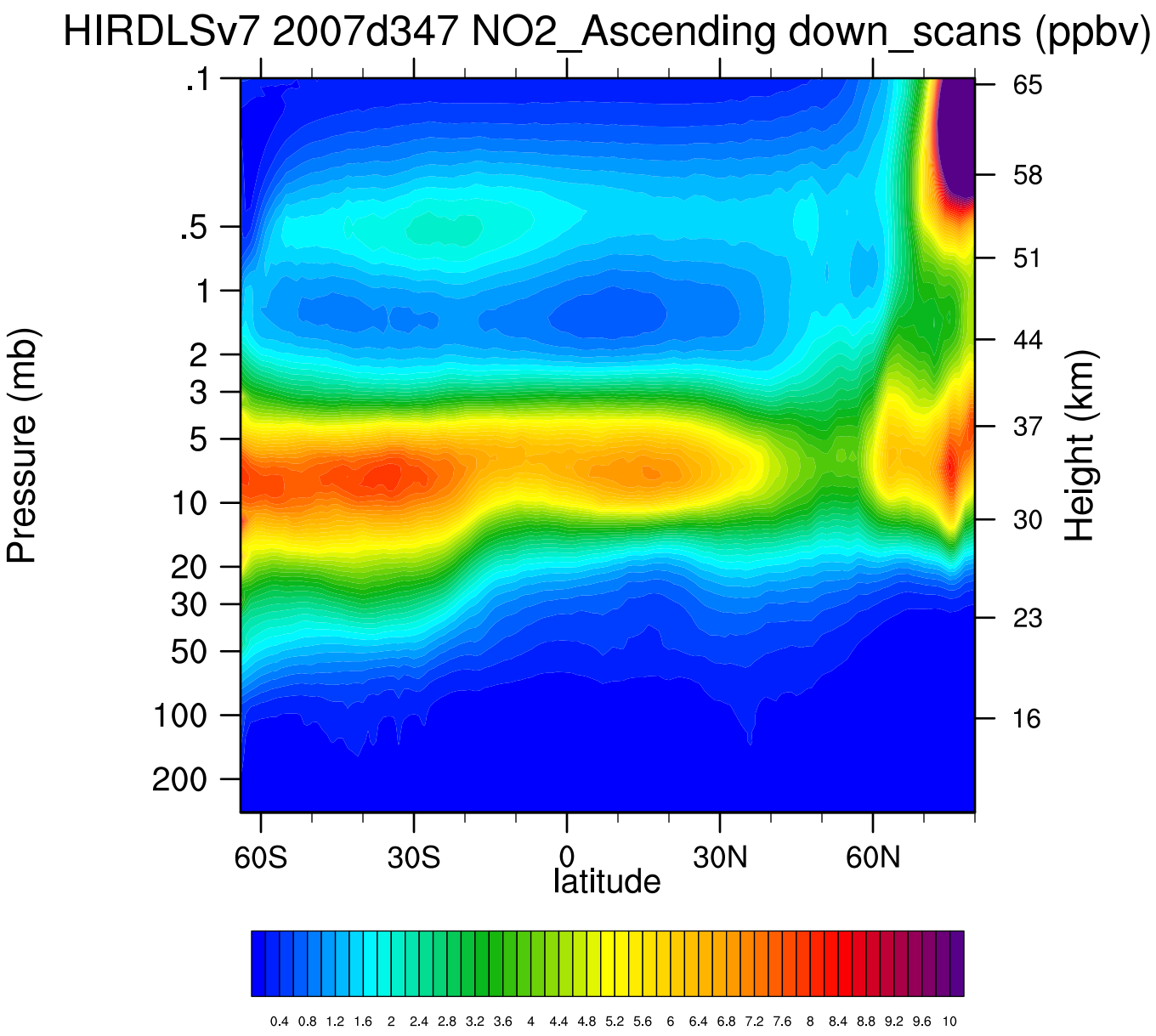
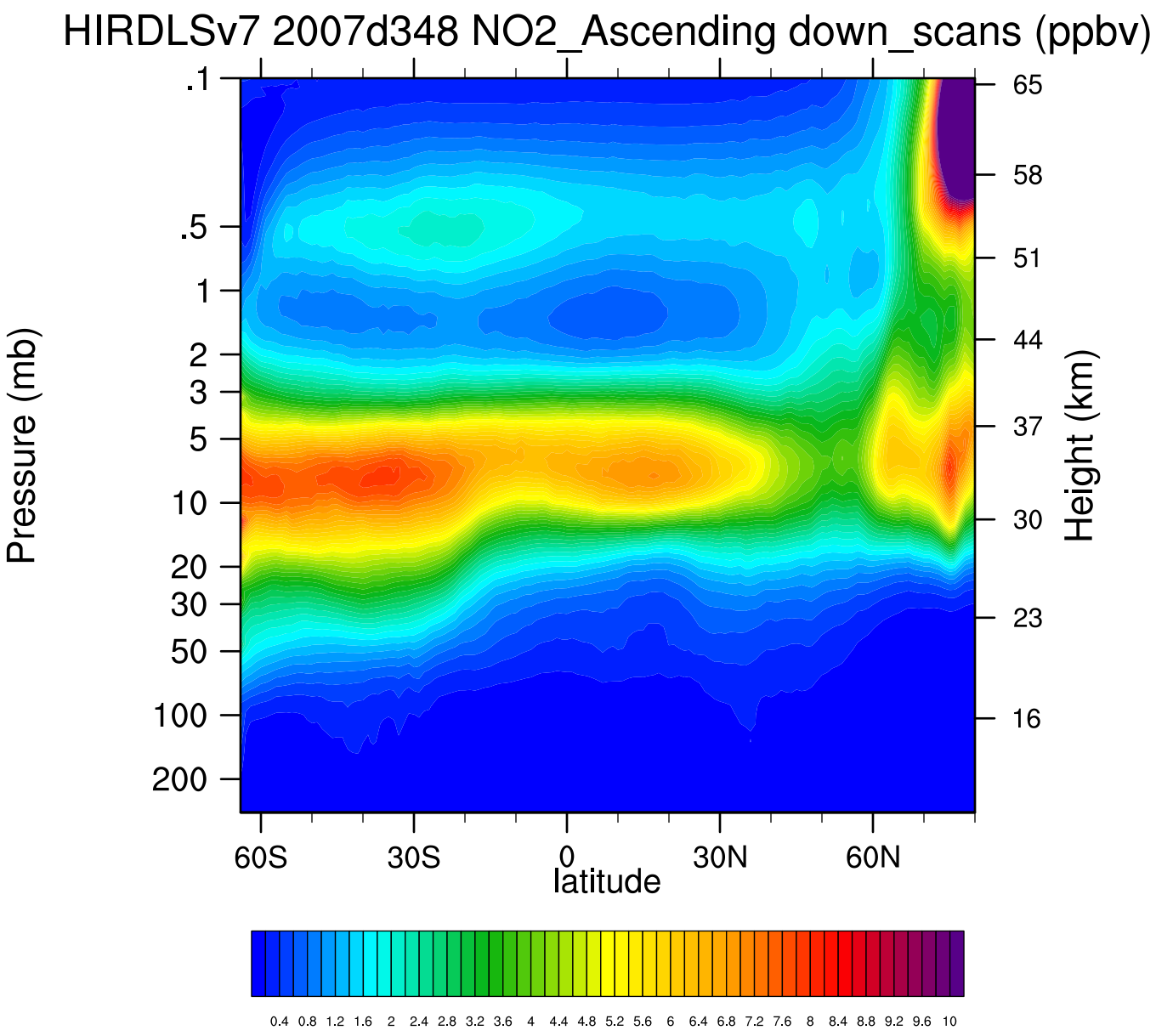
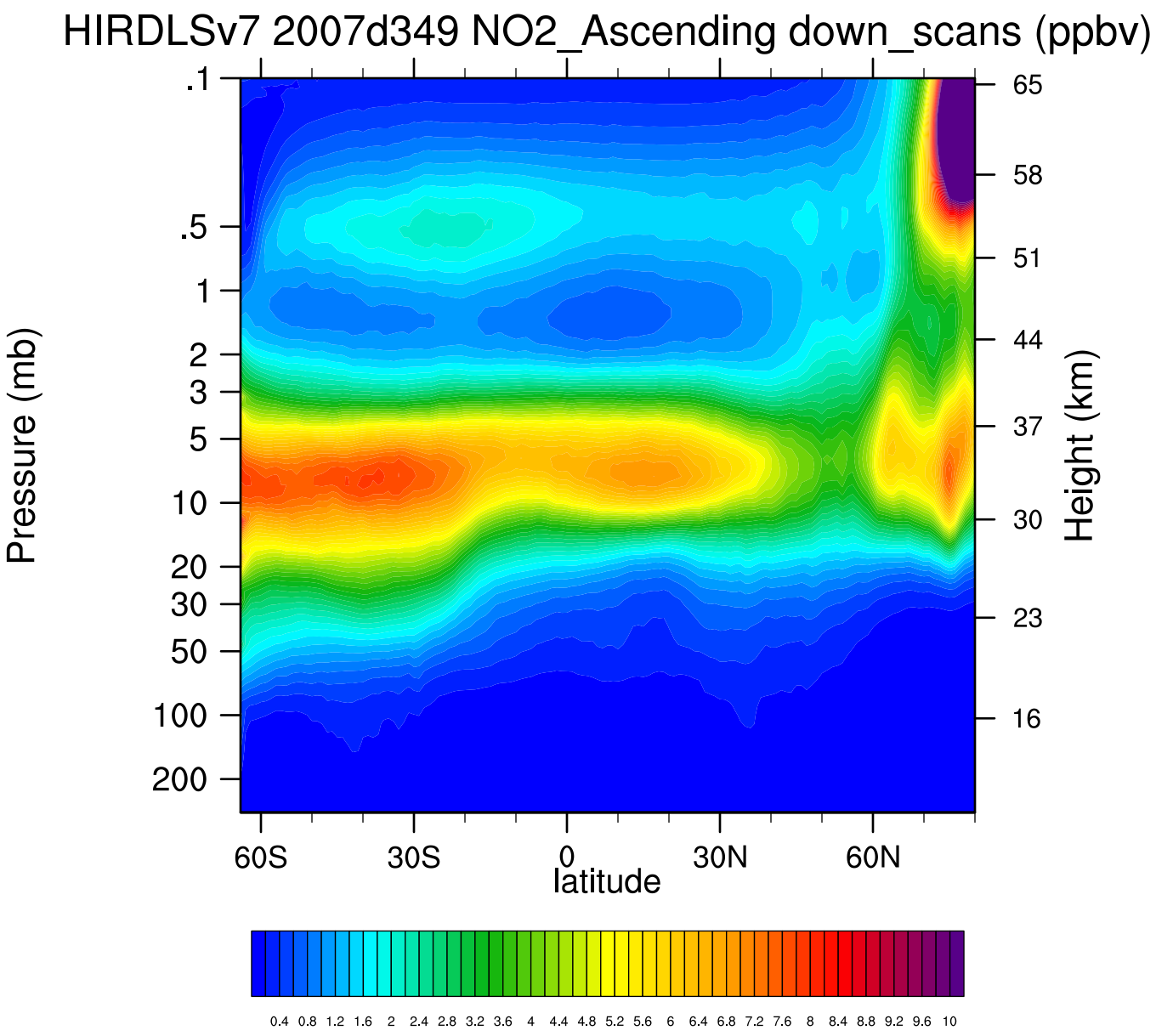
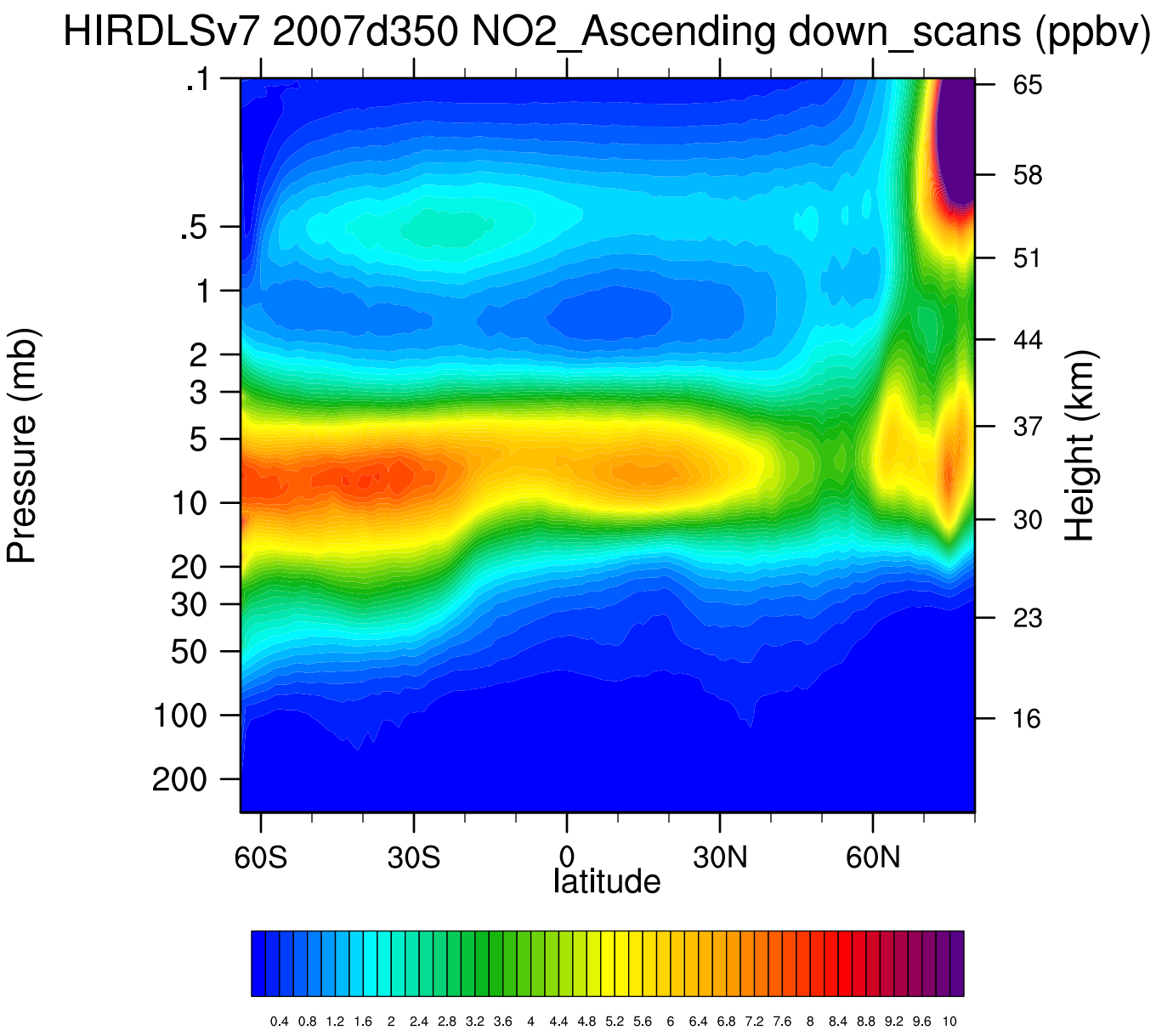
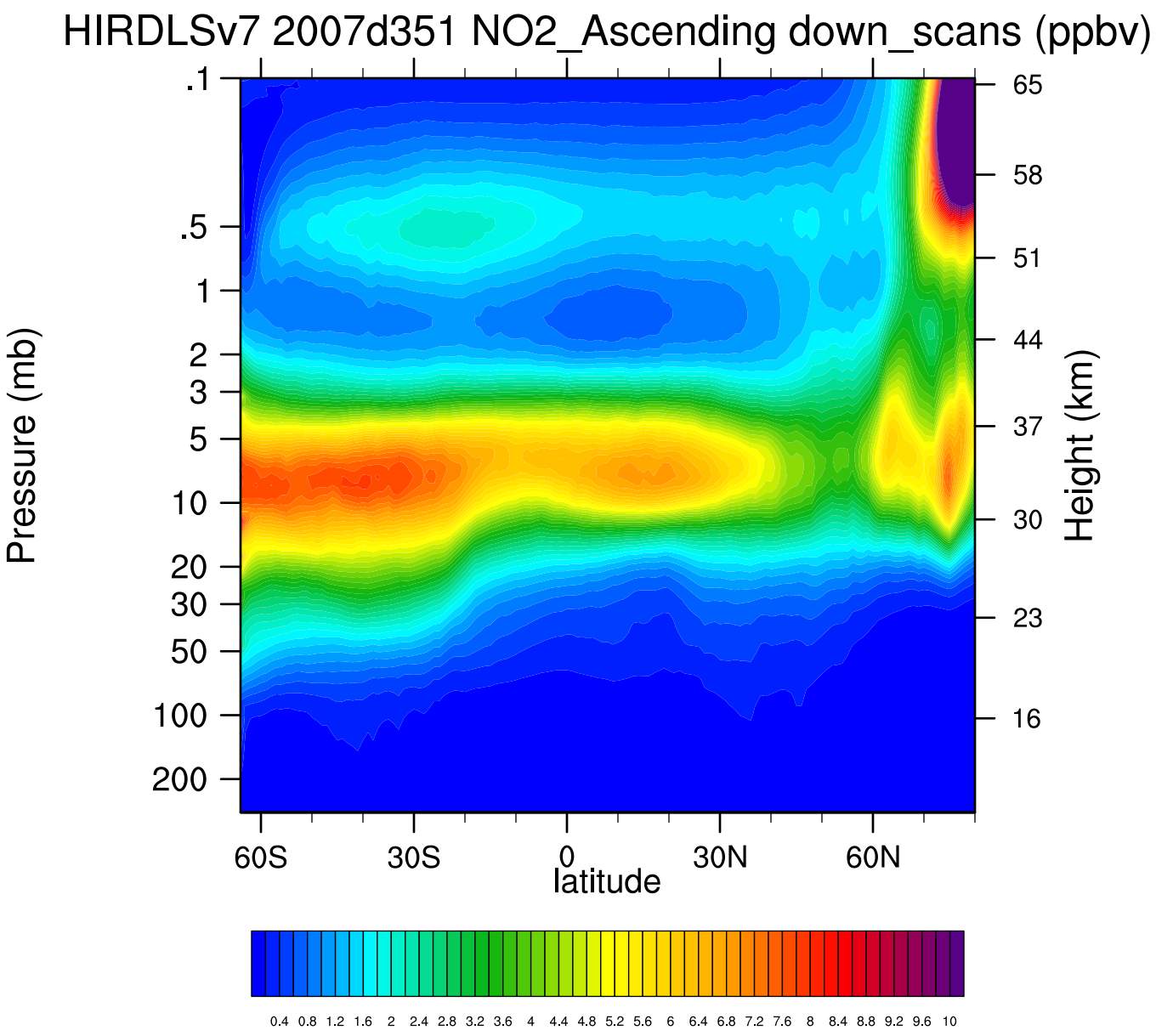
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

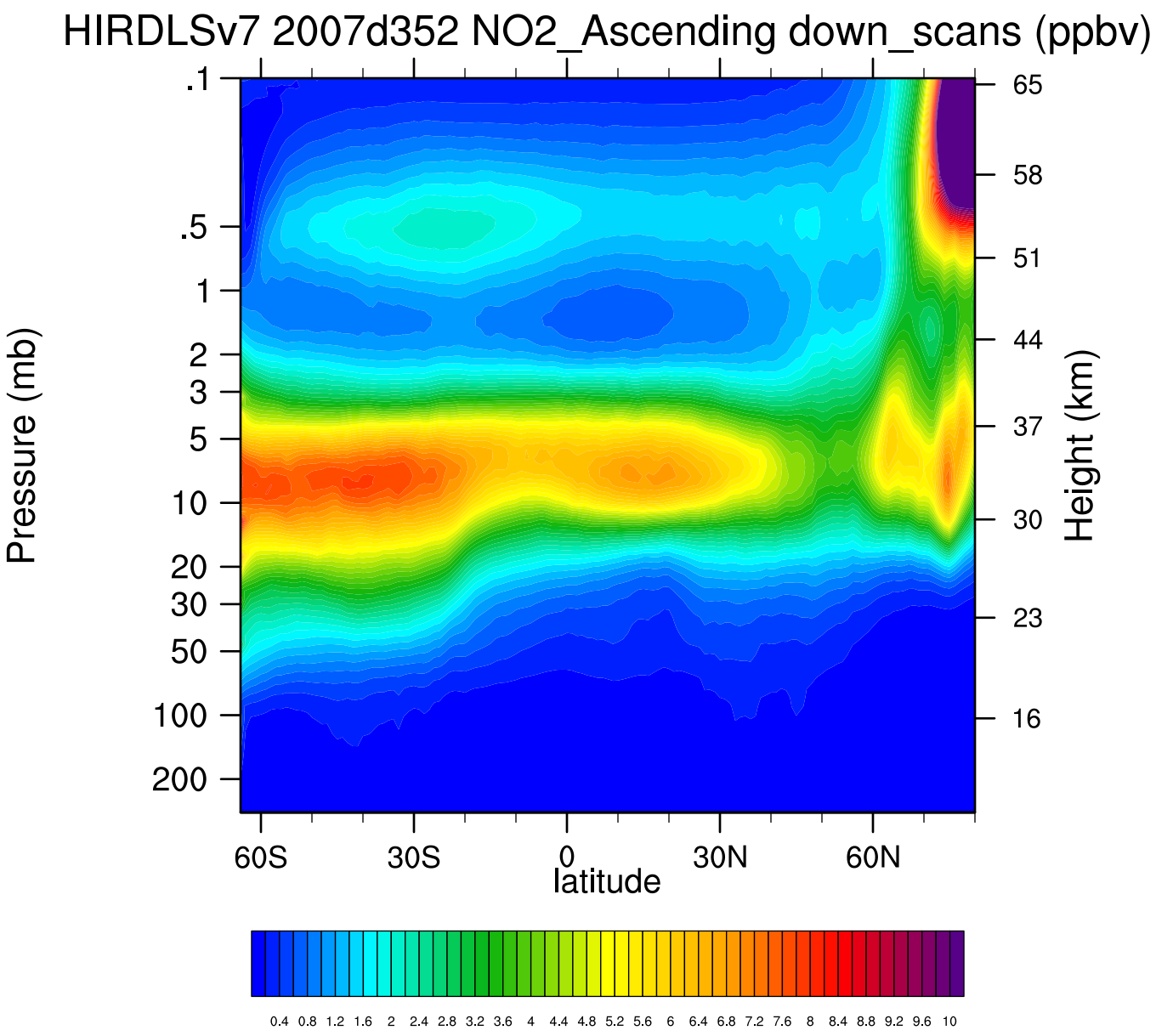

HIRDLSv7 2007d347 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

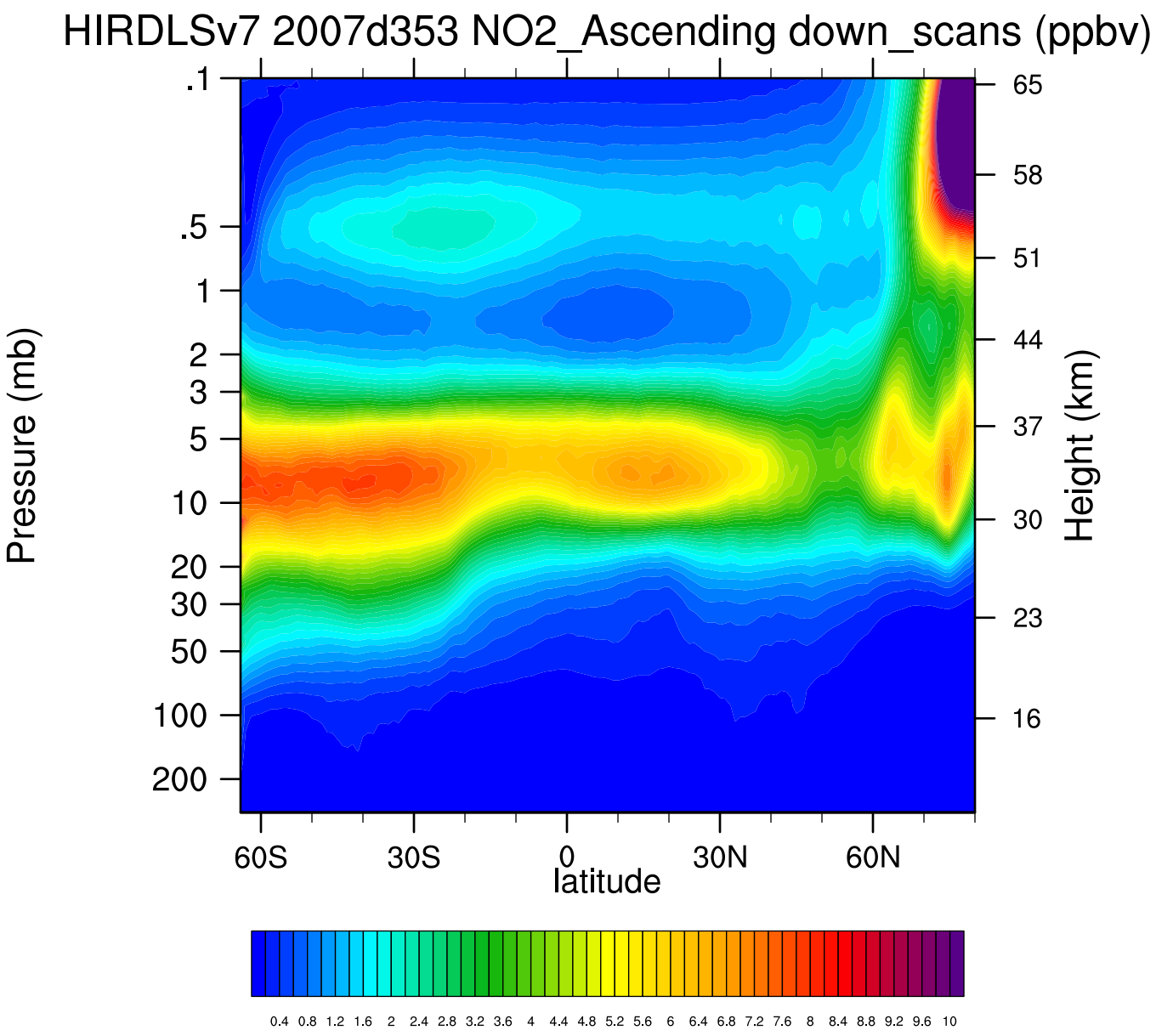

HIRDLSv7 2007d348 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

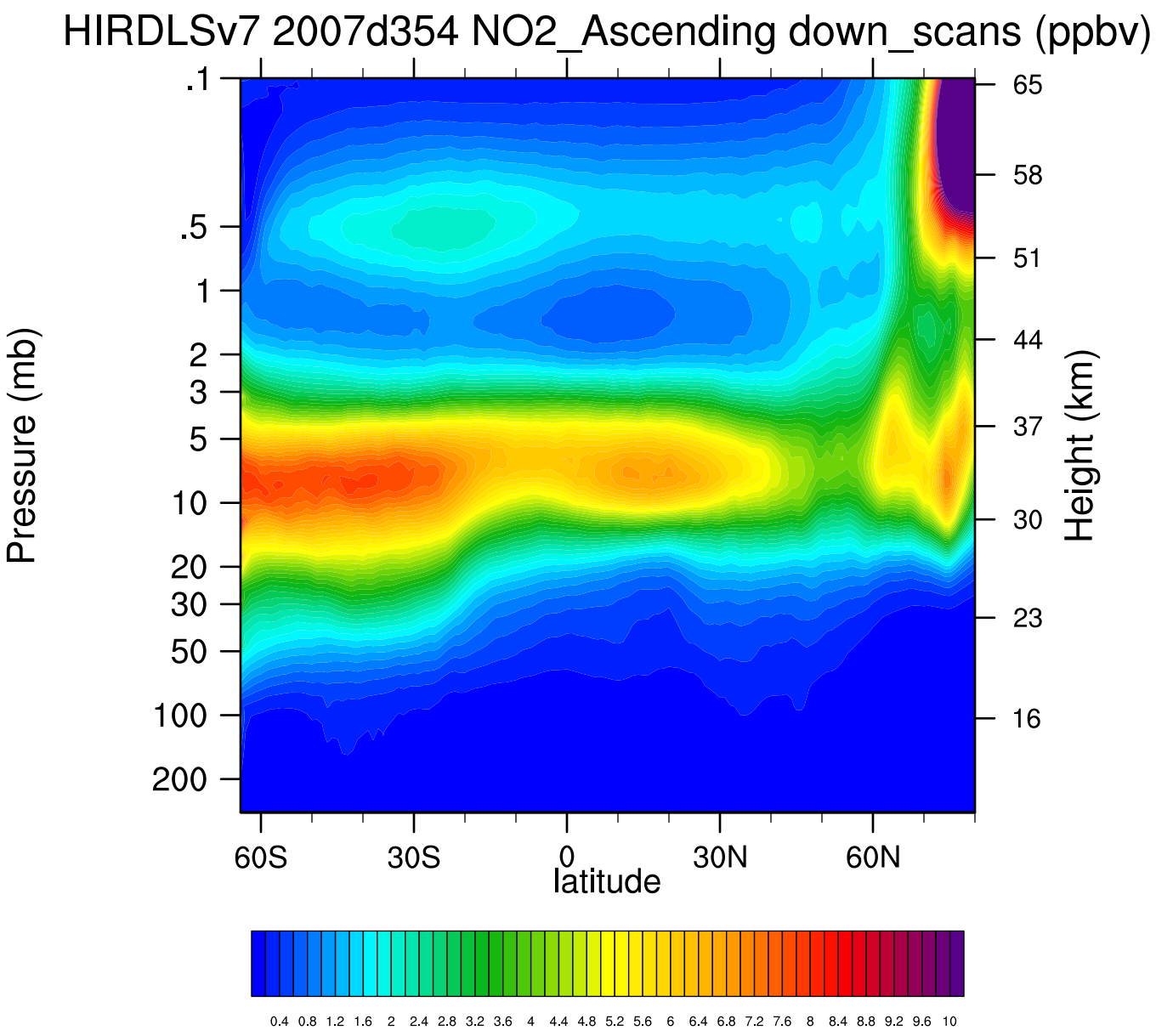

HIRDLSv7 2007d349 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

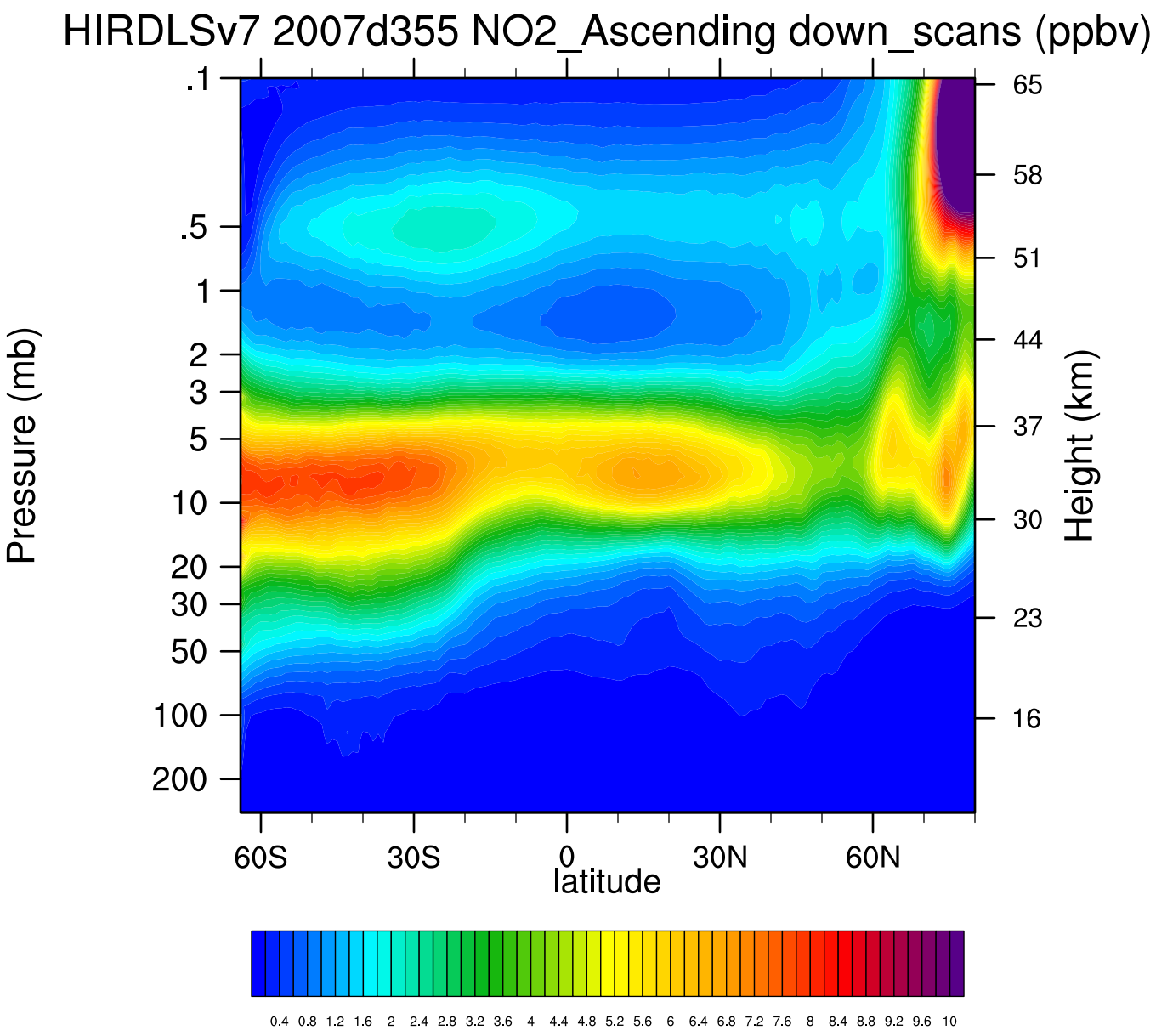

HIRDLSv7 2007d350 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

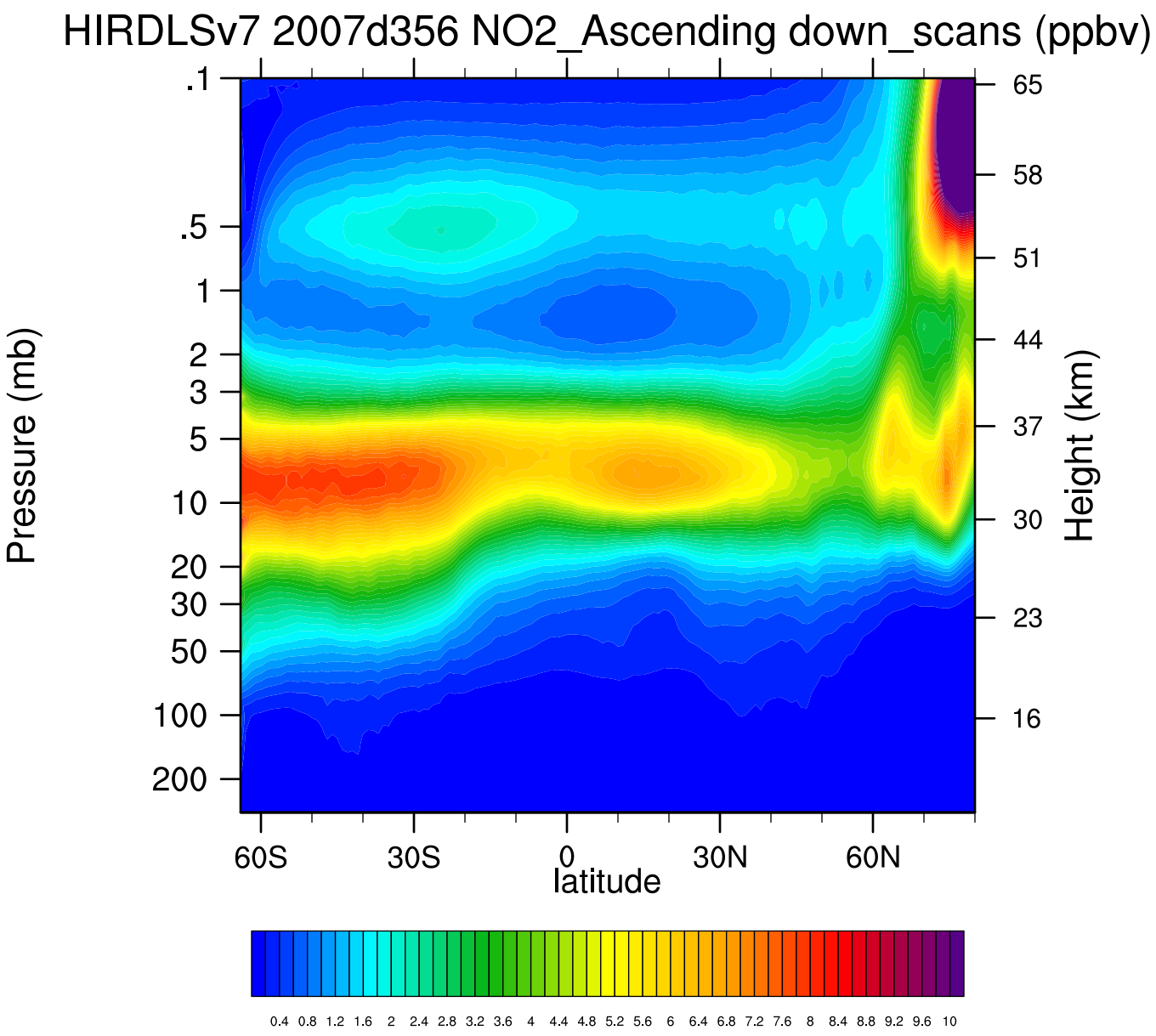

HIRDLSv7 2007d351 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

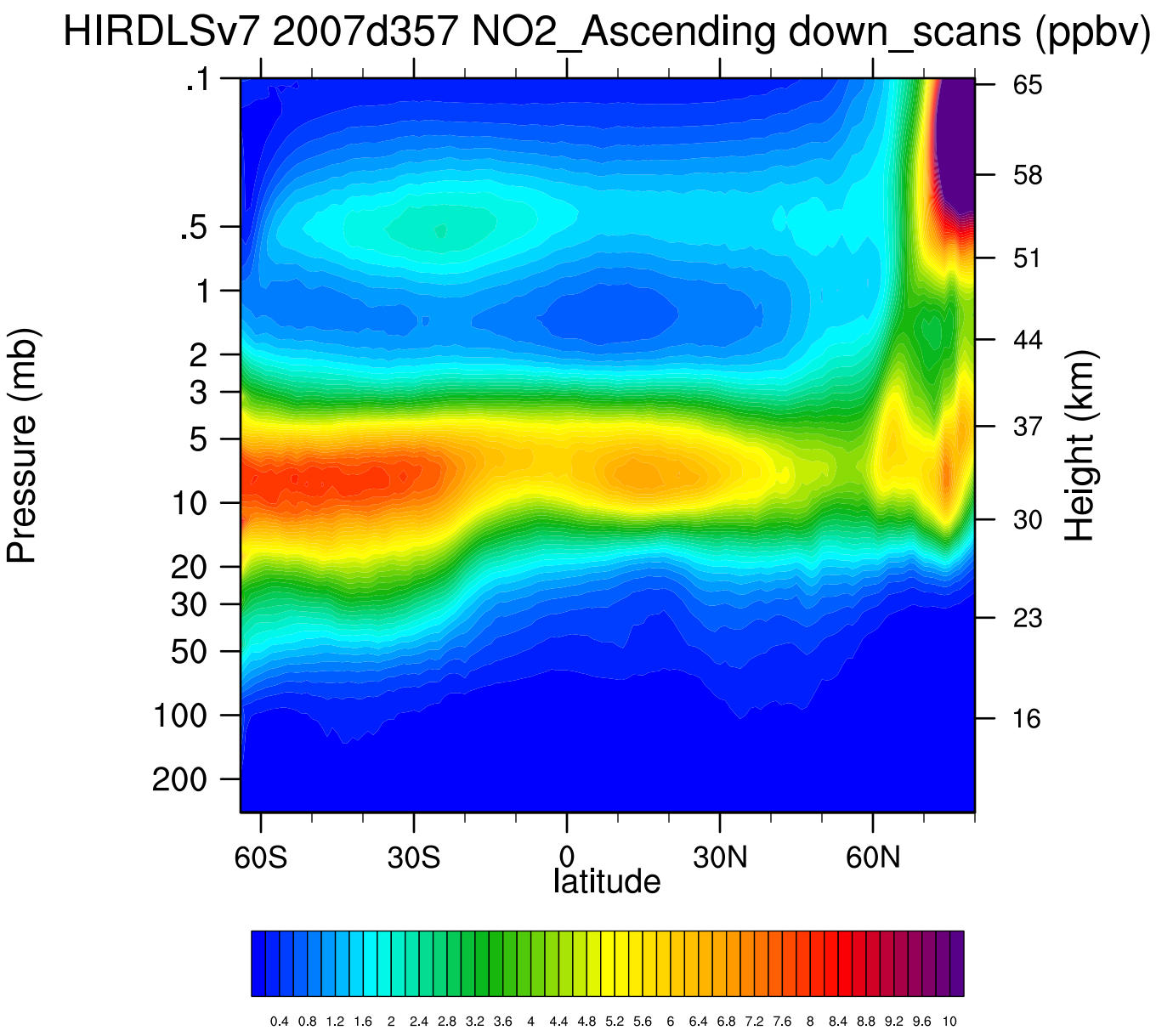

HIRDLSv7 2007d352 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

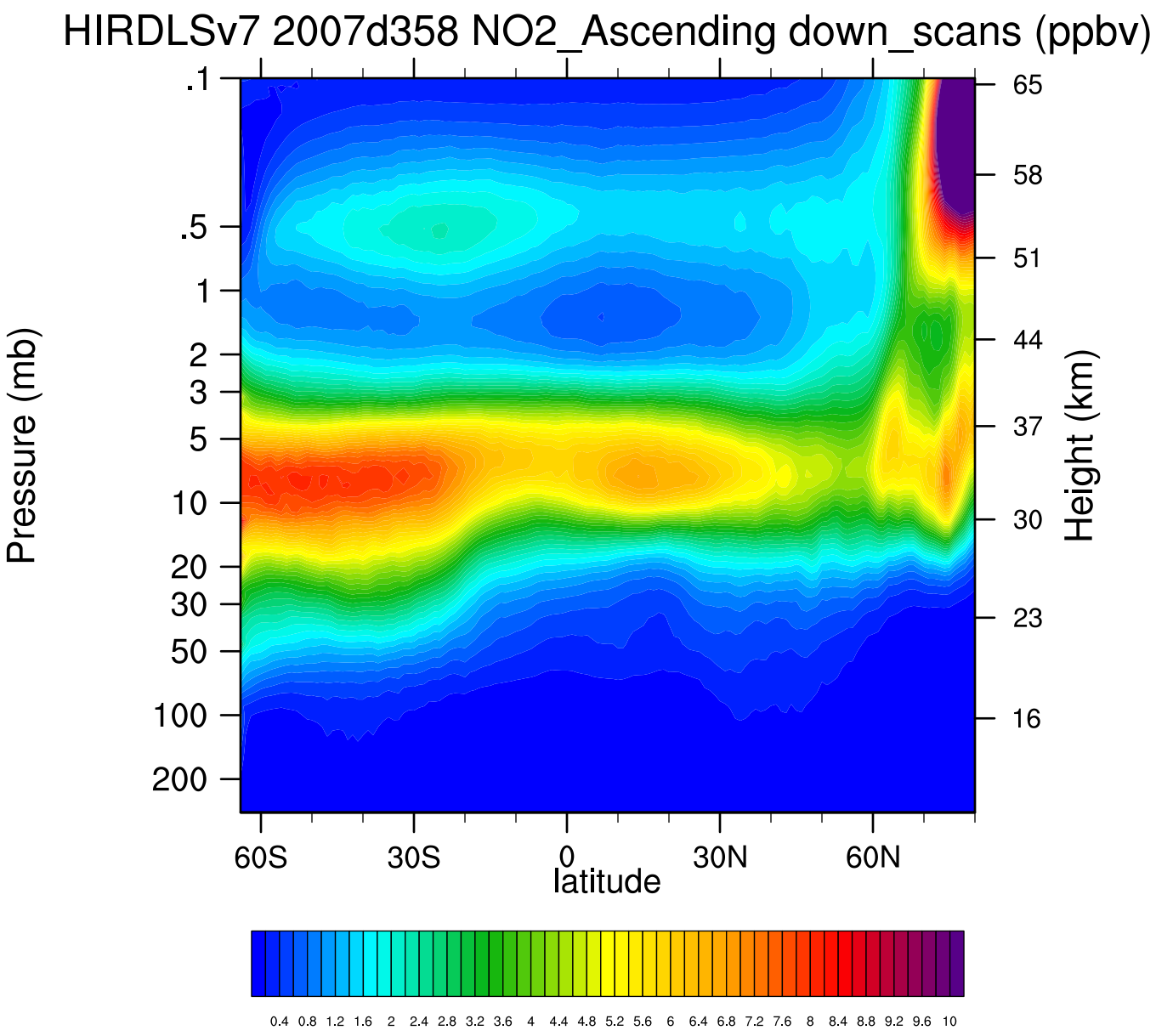

HIRDLSv7 2007d353 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

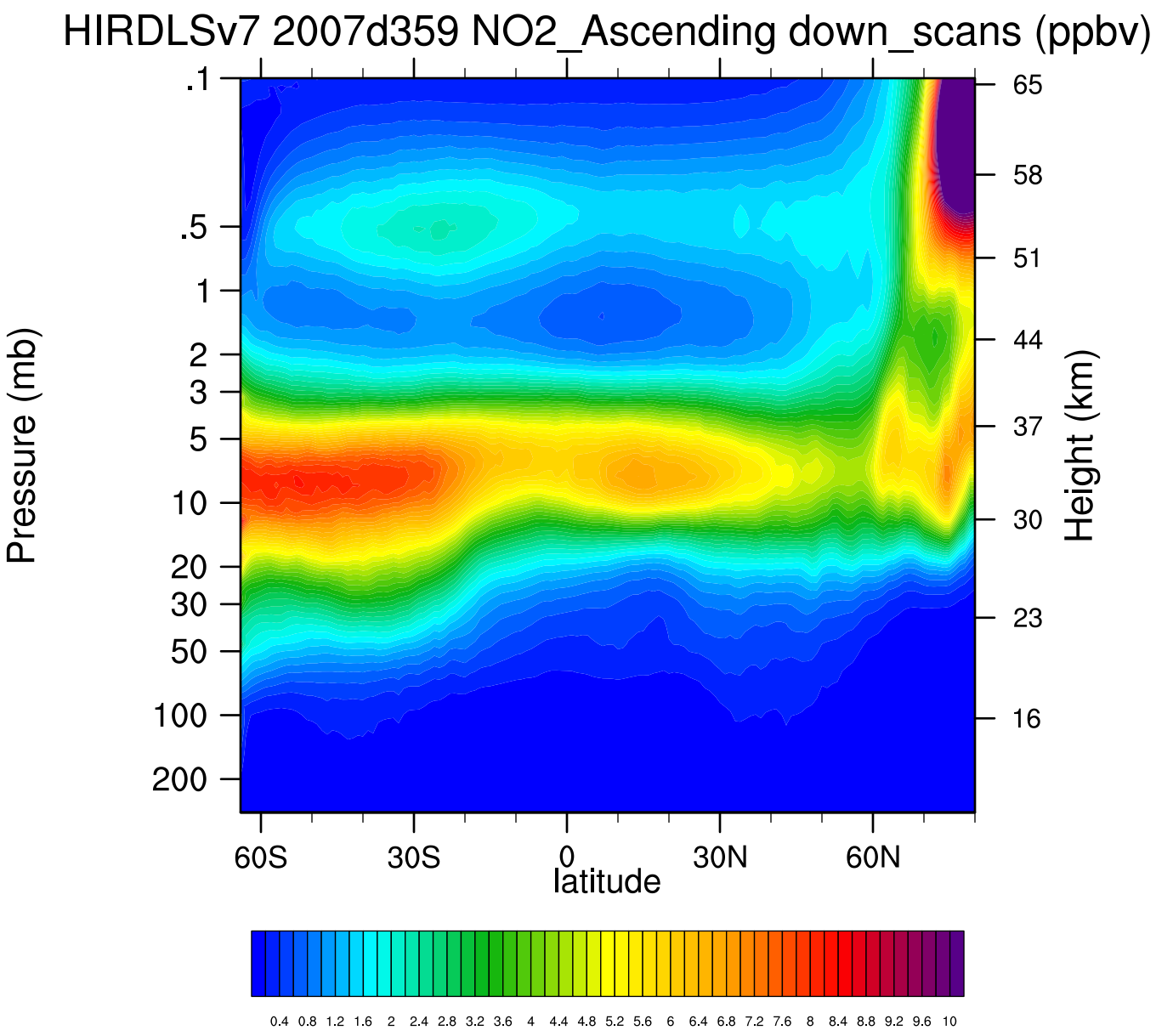

HIRDLSv7 2007d354 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

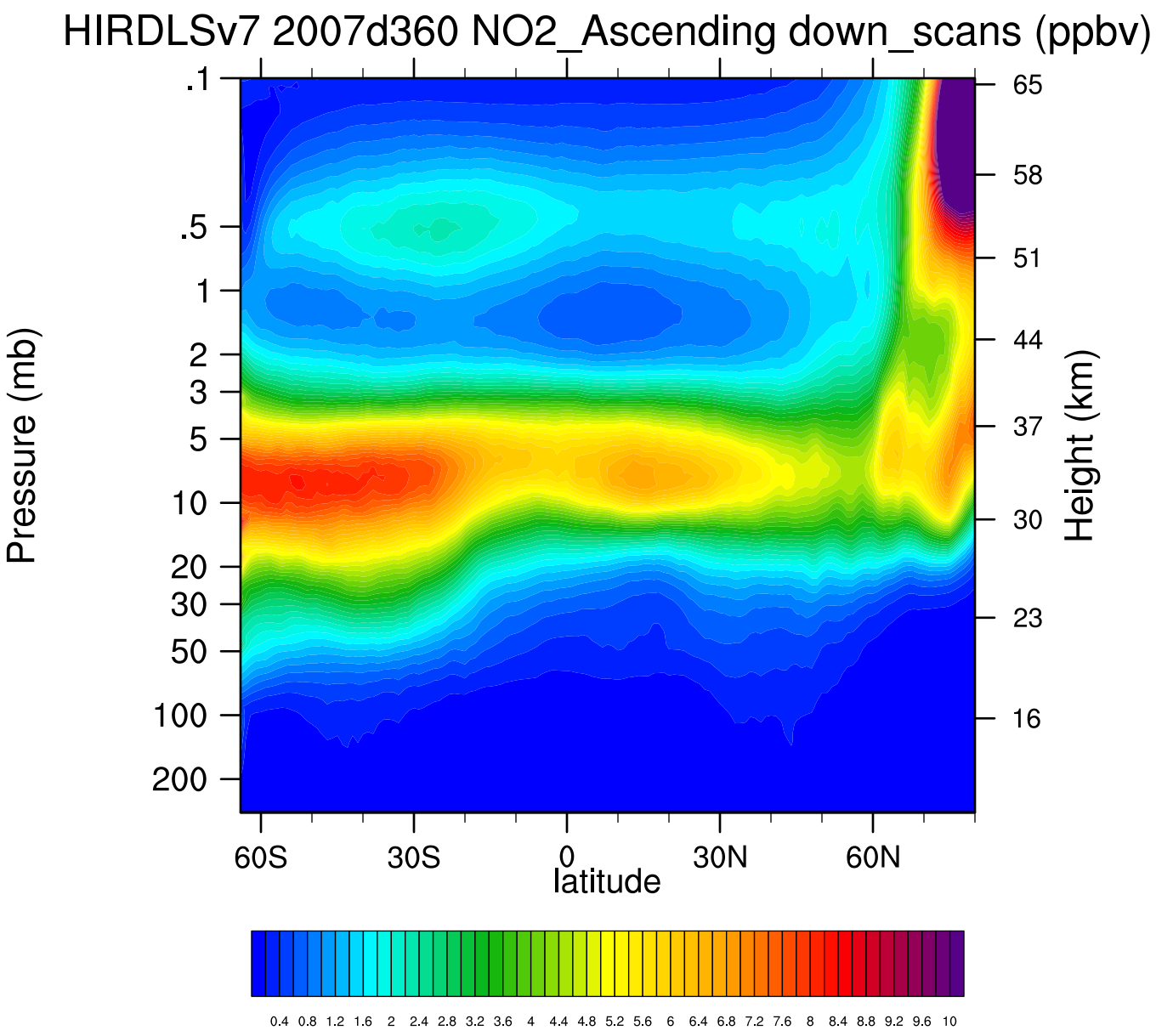

HIRDLSv7 2007d355 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

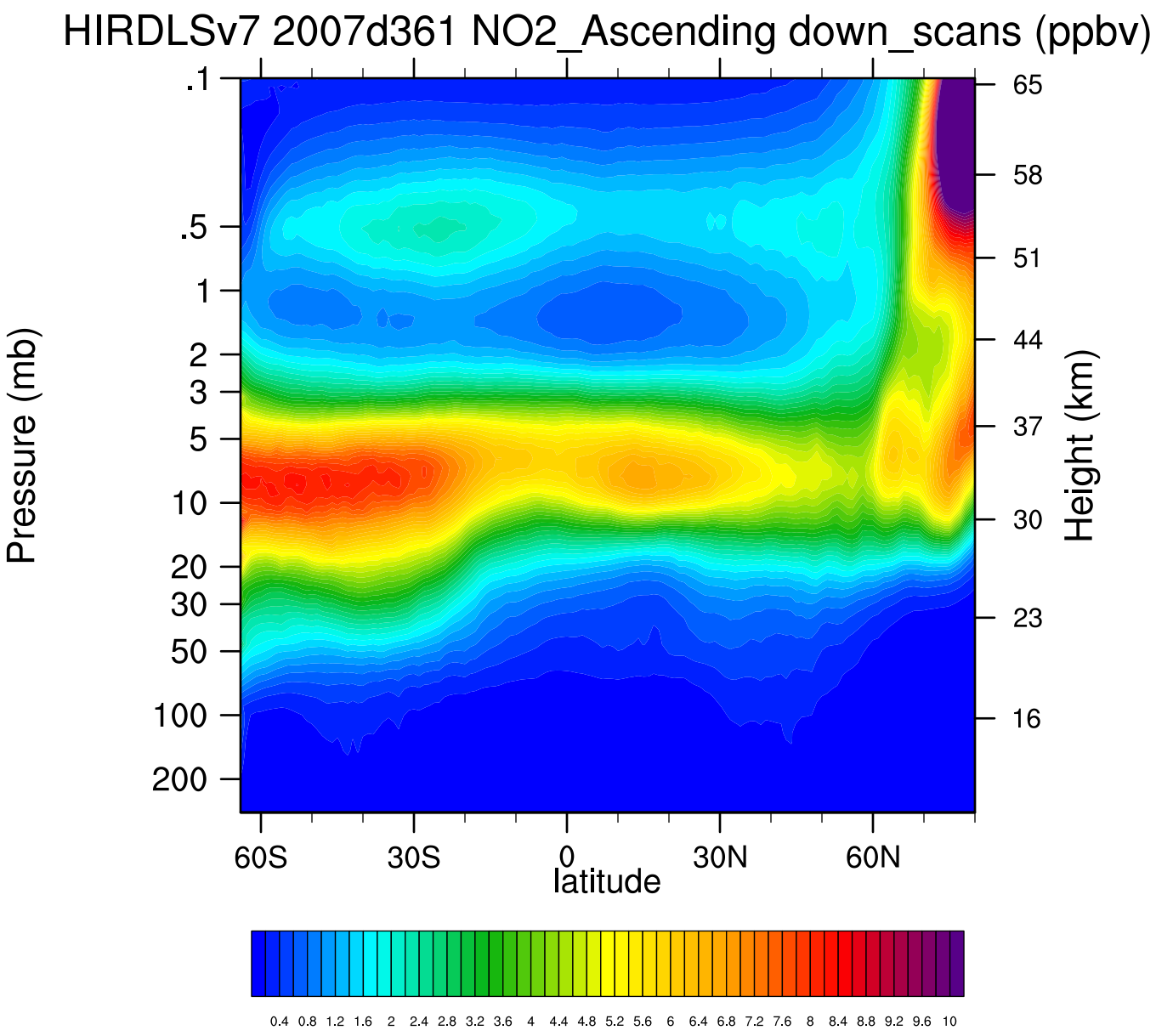

HIRDLSv7 2007d356 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

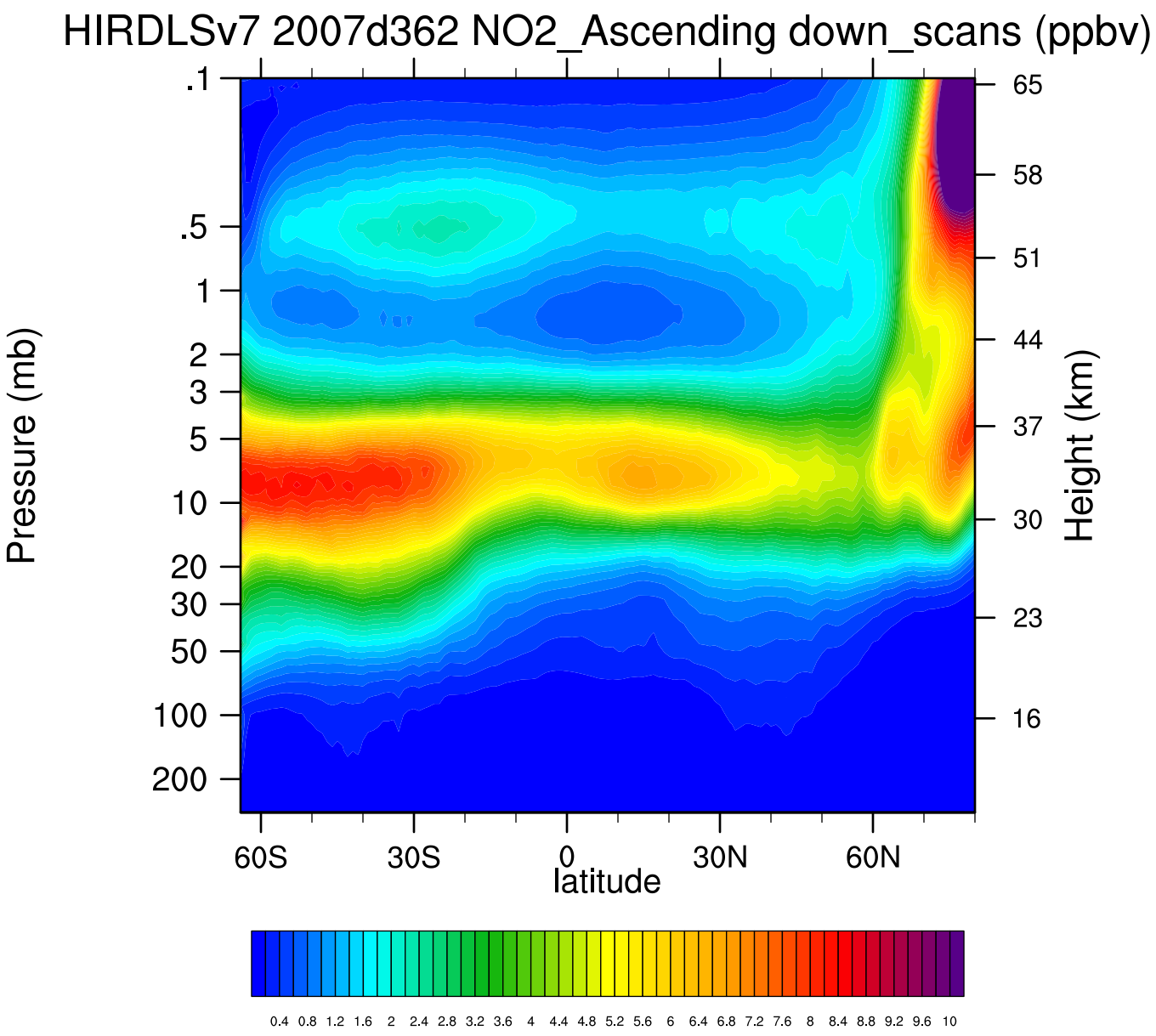

HIRDLSv7 2007d357 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

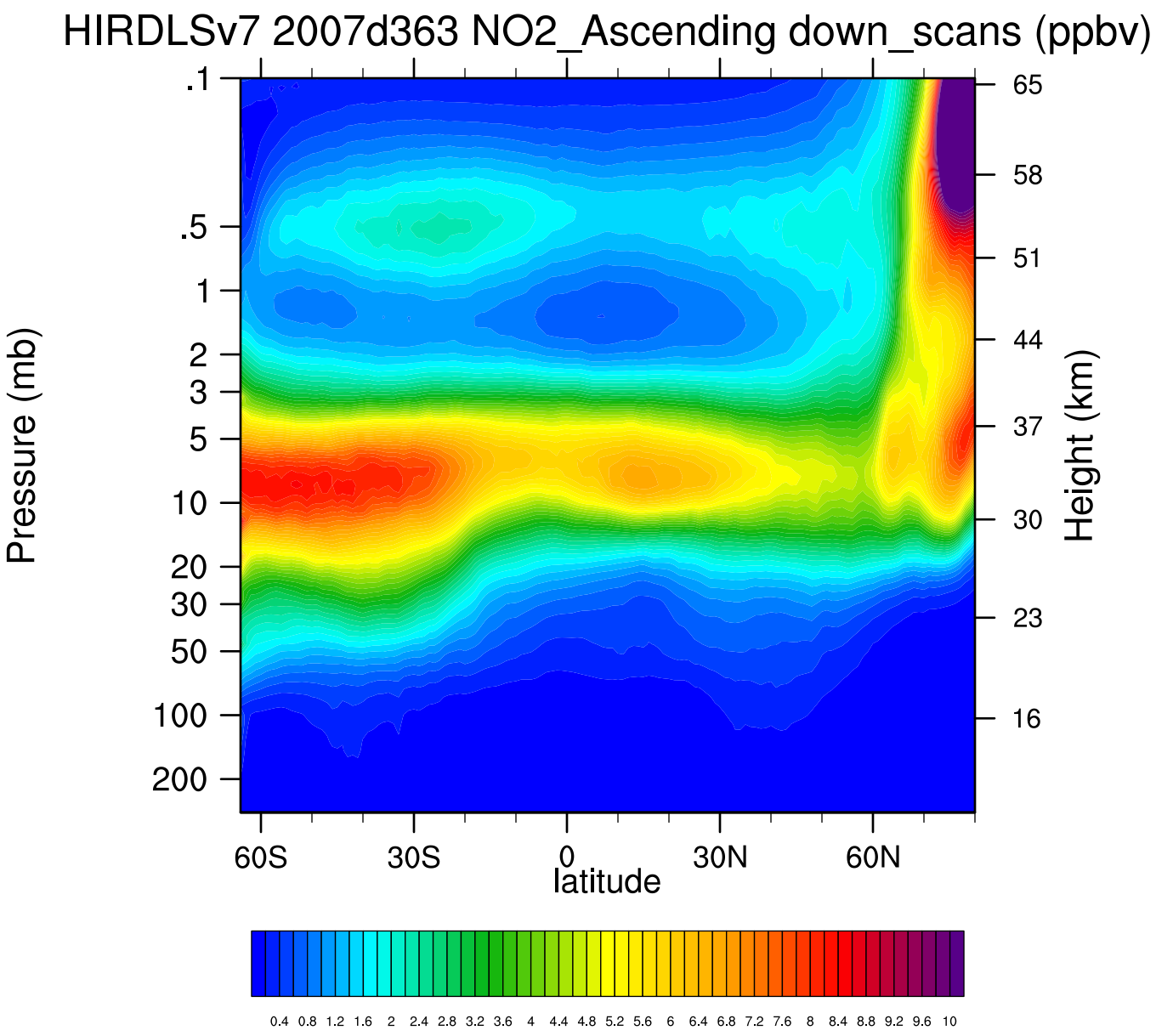

HIRDLSv7 2007d358 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

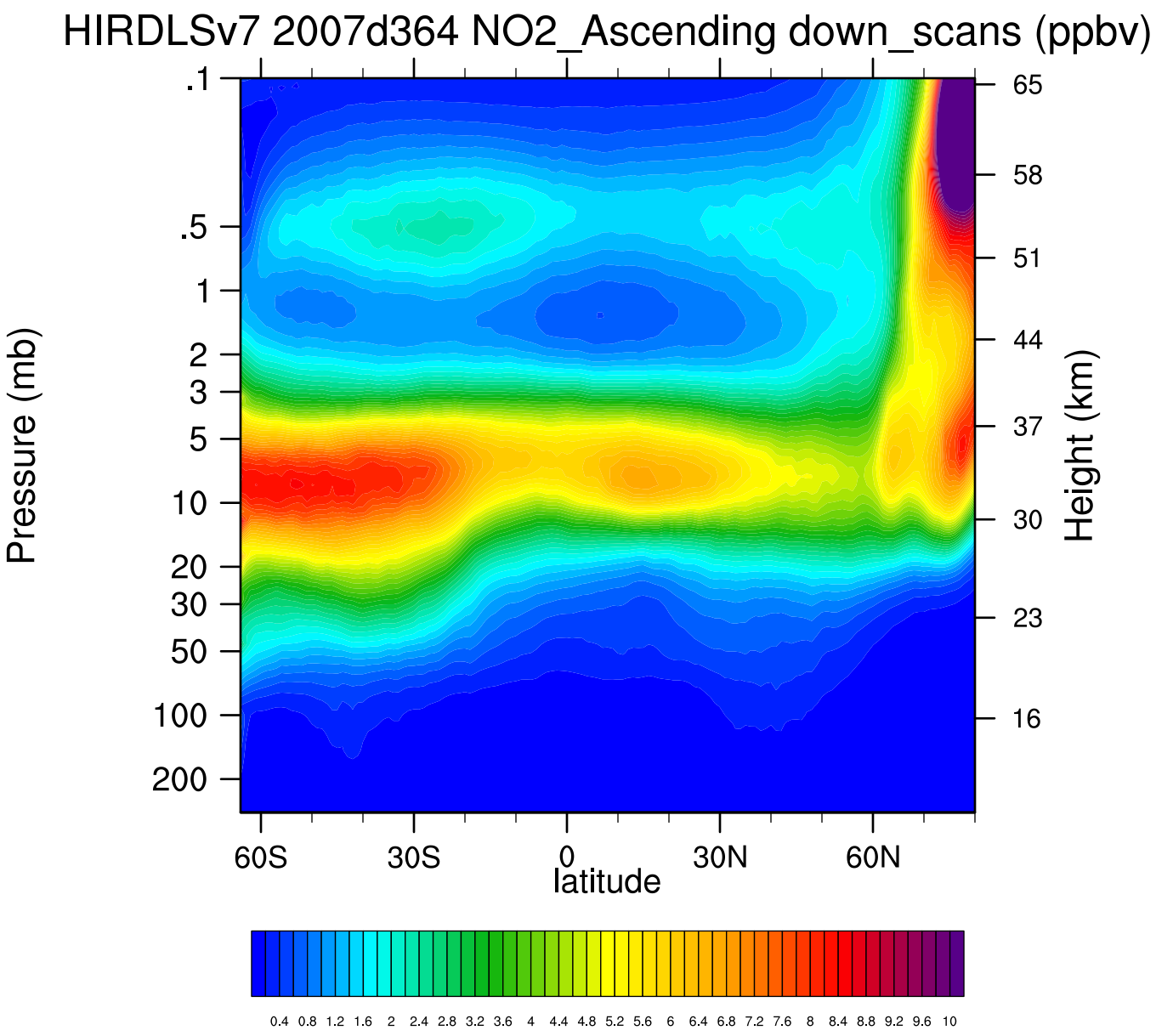

HIRDLSv7 2007d359 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

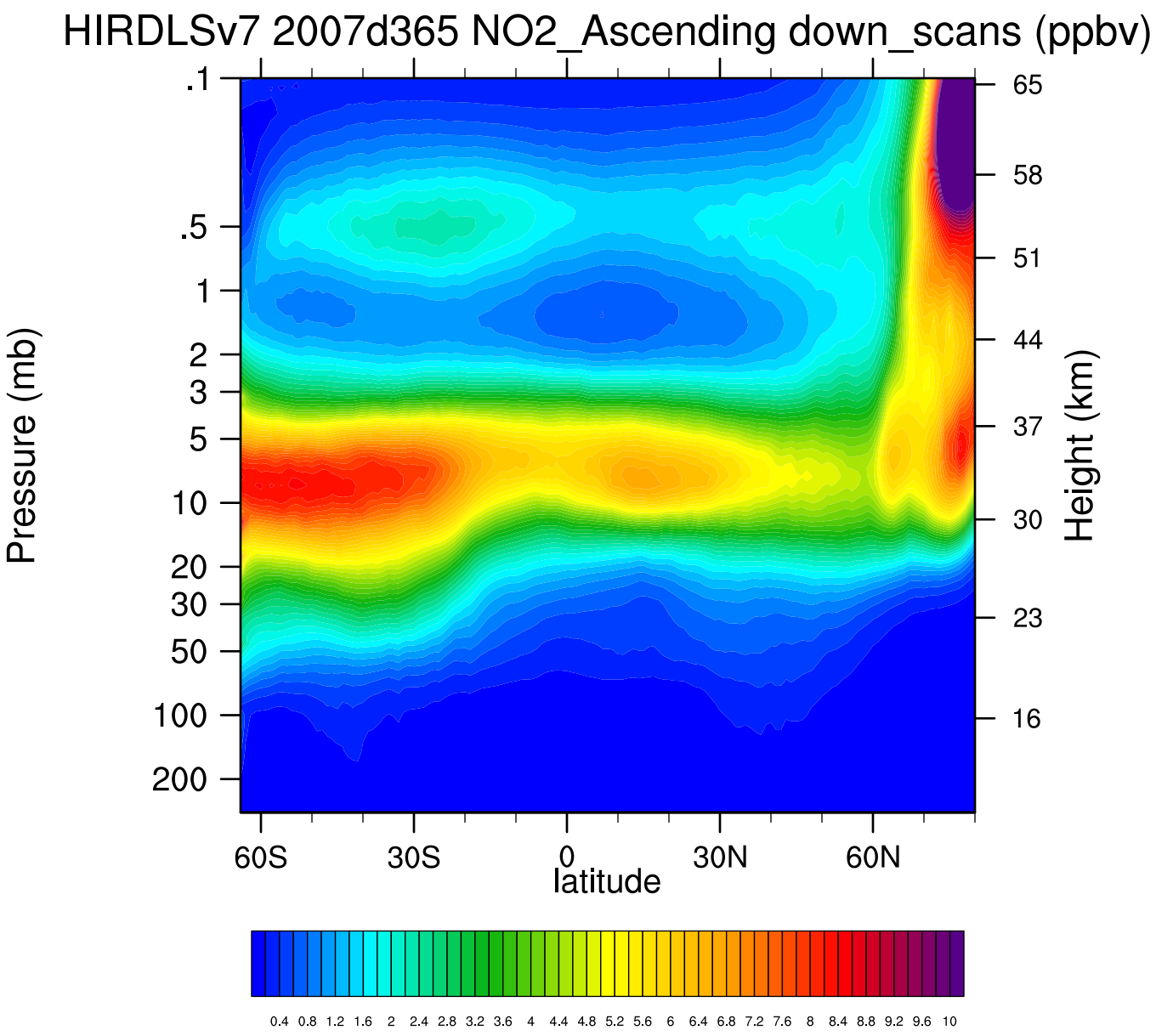

HIRDLSv7 2007d360 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

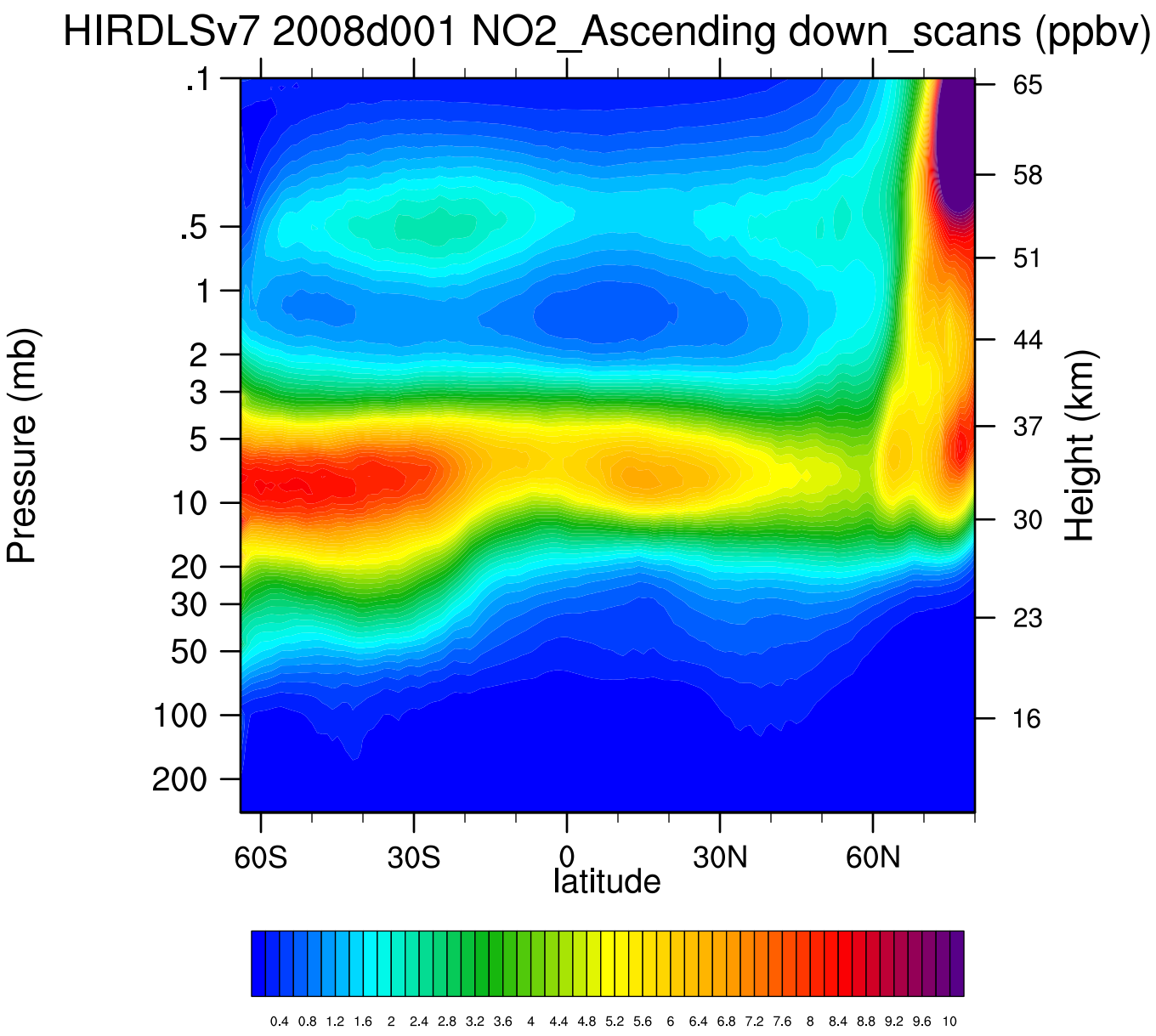

HIRDLSv7 2007d361 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

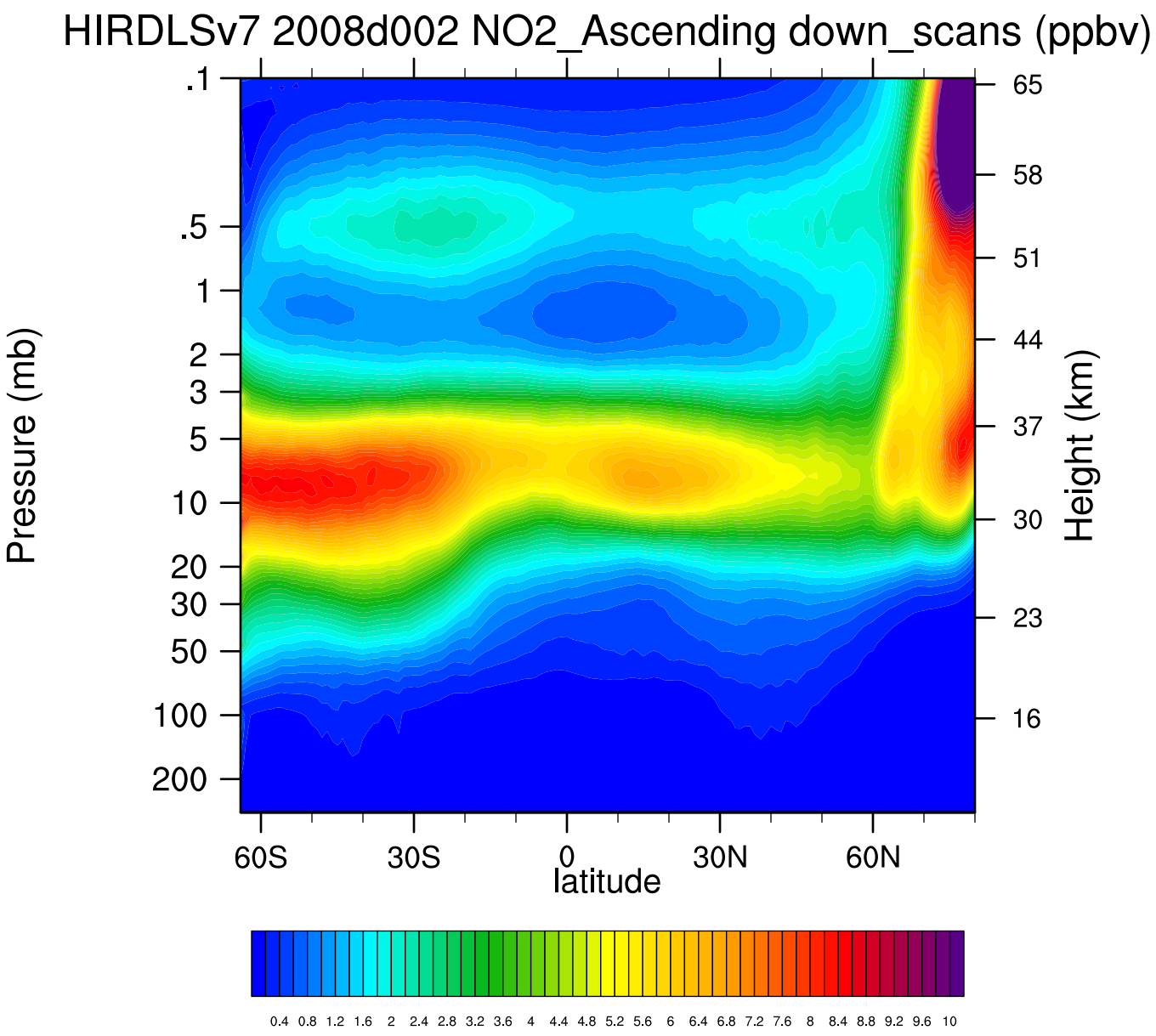

HIRDLSv7 2007d362 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

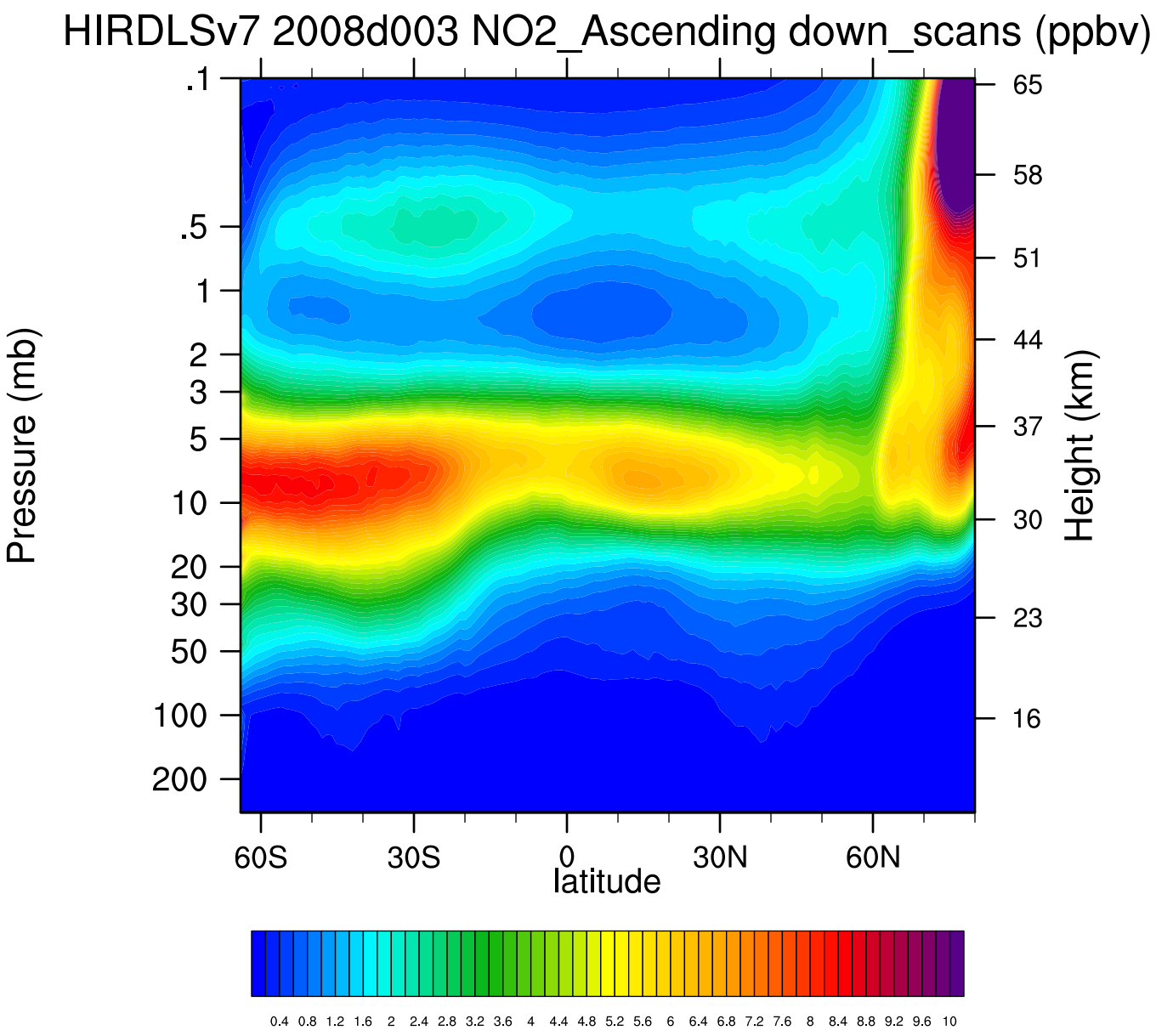

HIRDLSv7 2007d363 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

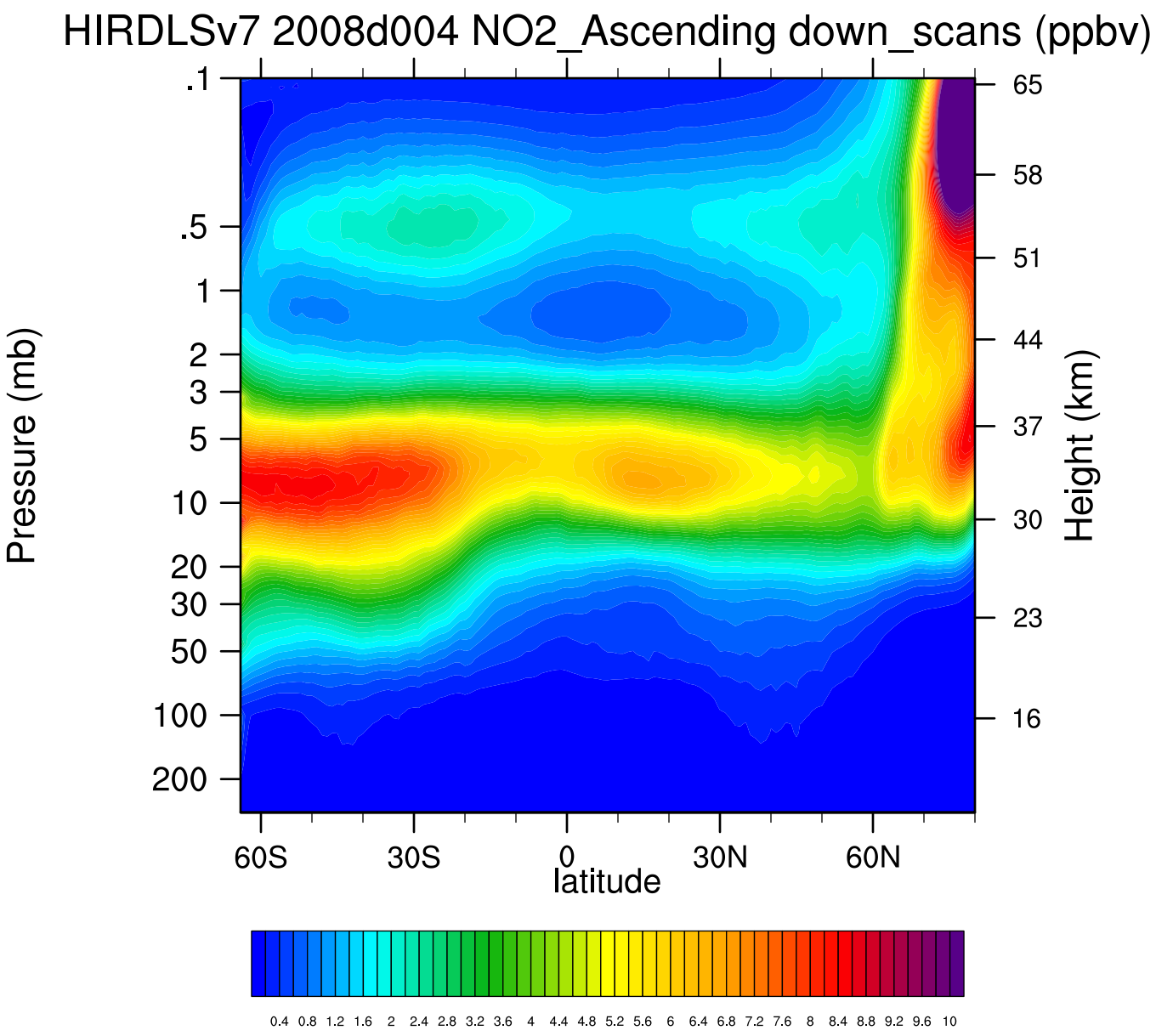

HIRDLSv7 2007d364 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

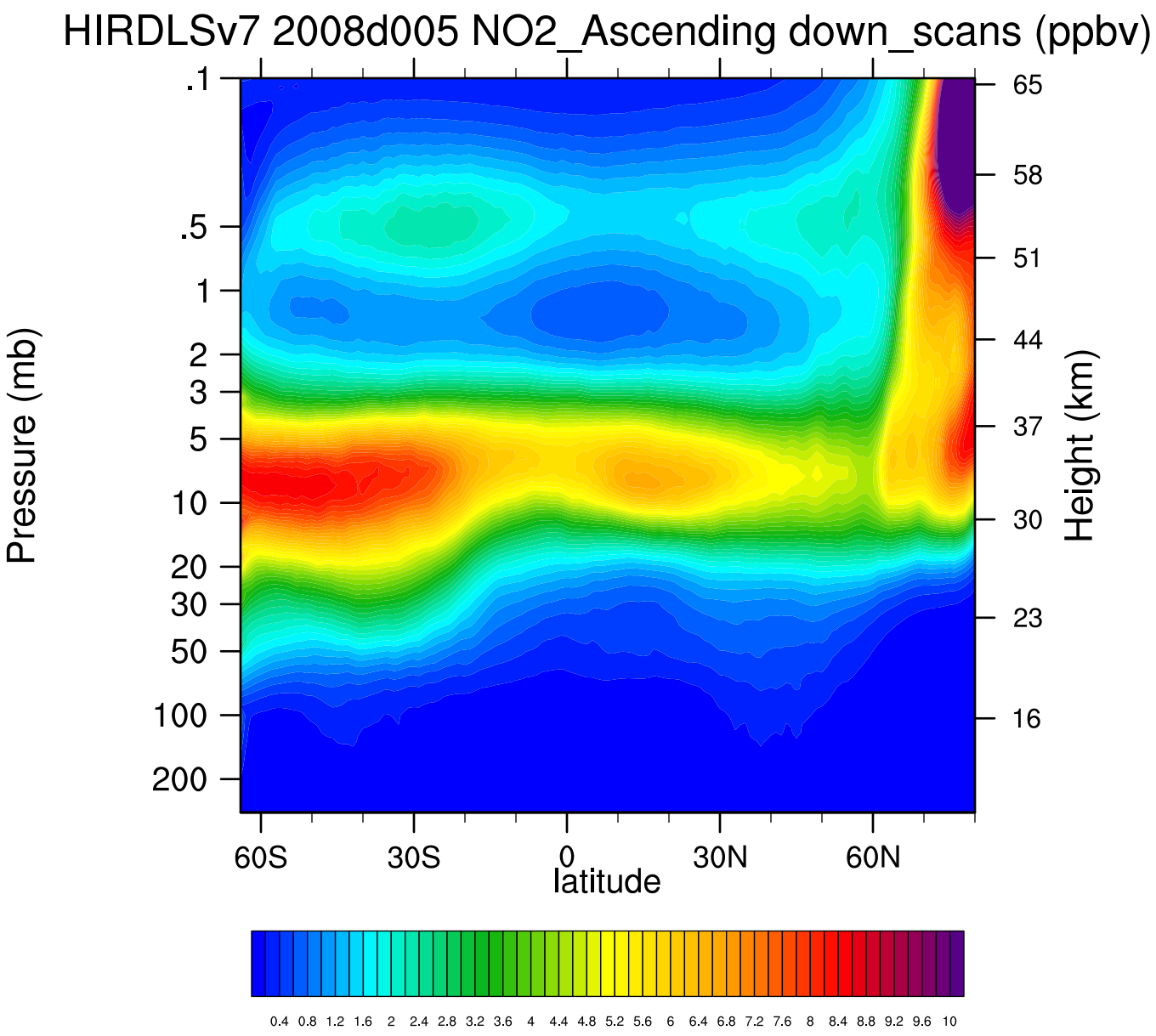

HIRDLSv7 2007d365 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

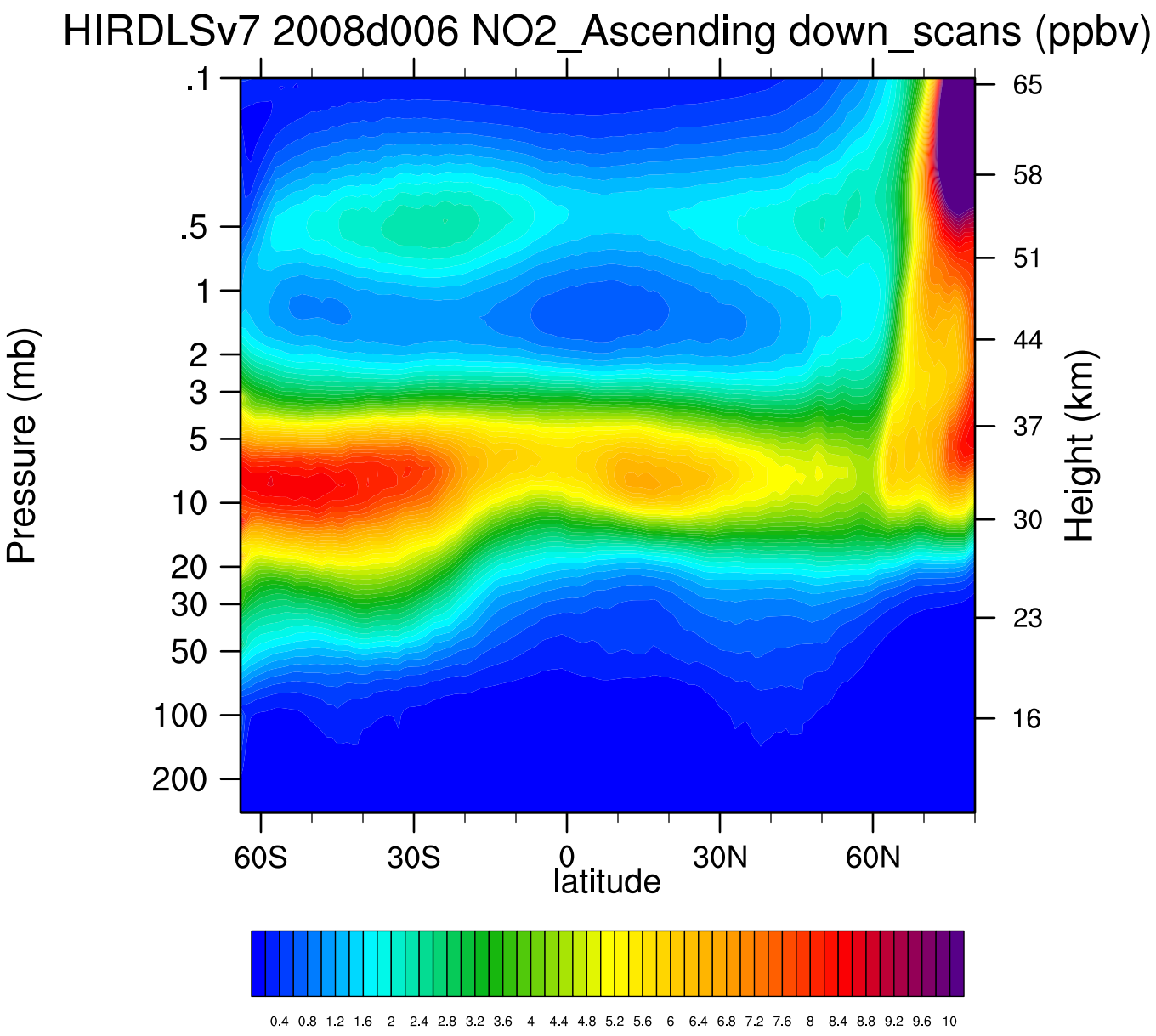

HIRDLSv7 2008d001 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

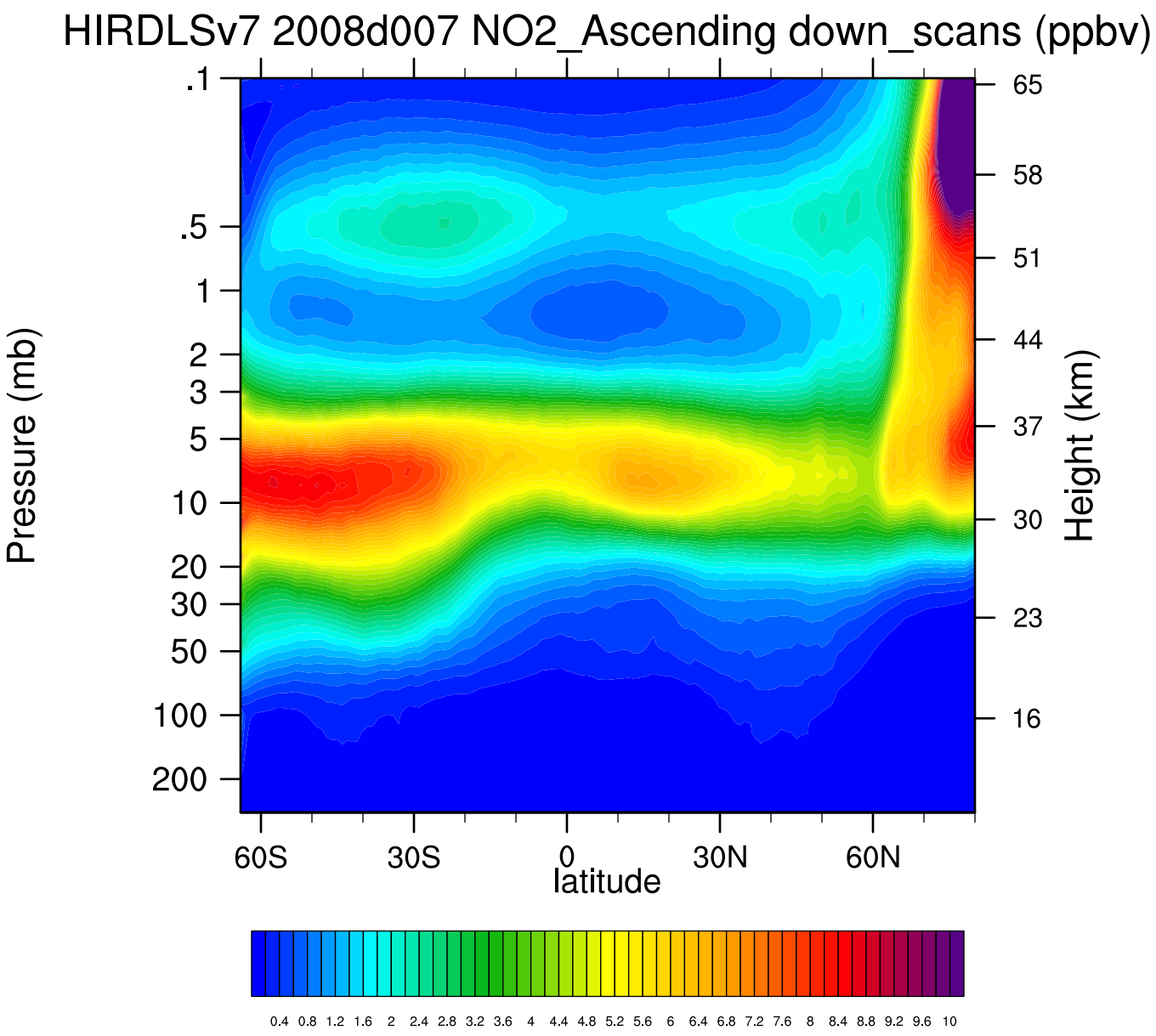

HIRDLSv7 2008d002 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

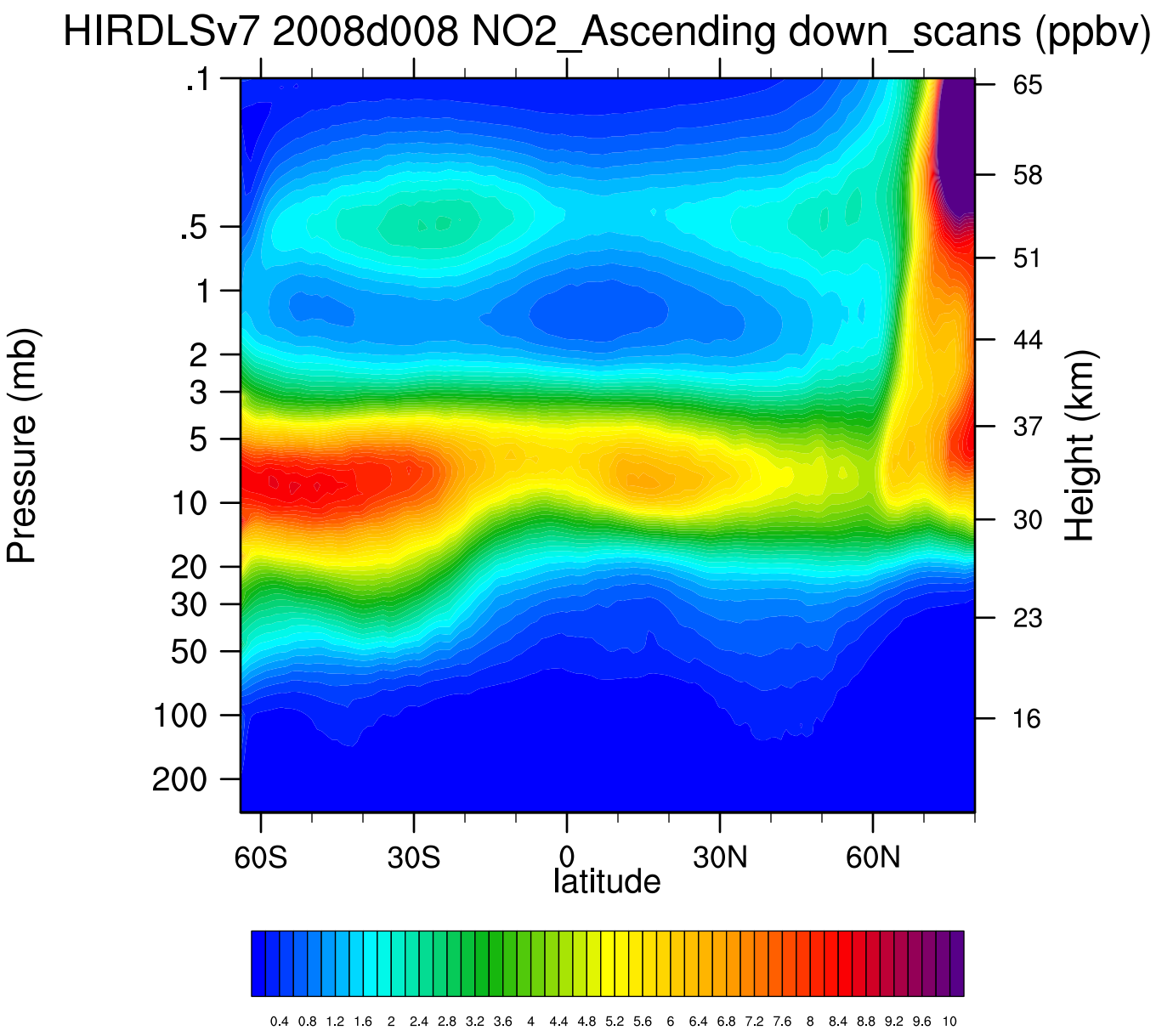

HIRDLSv7 2008d003 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

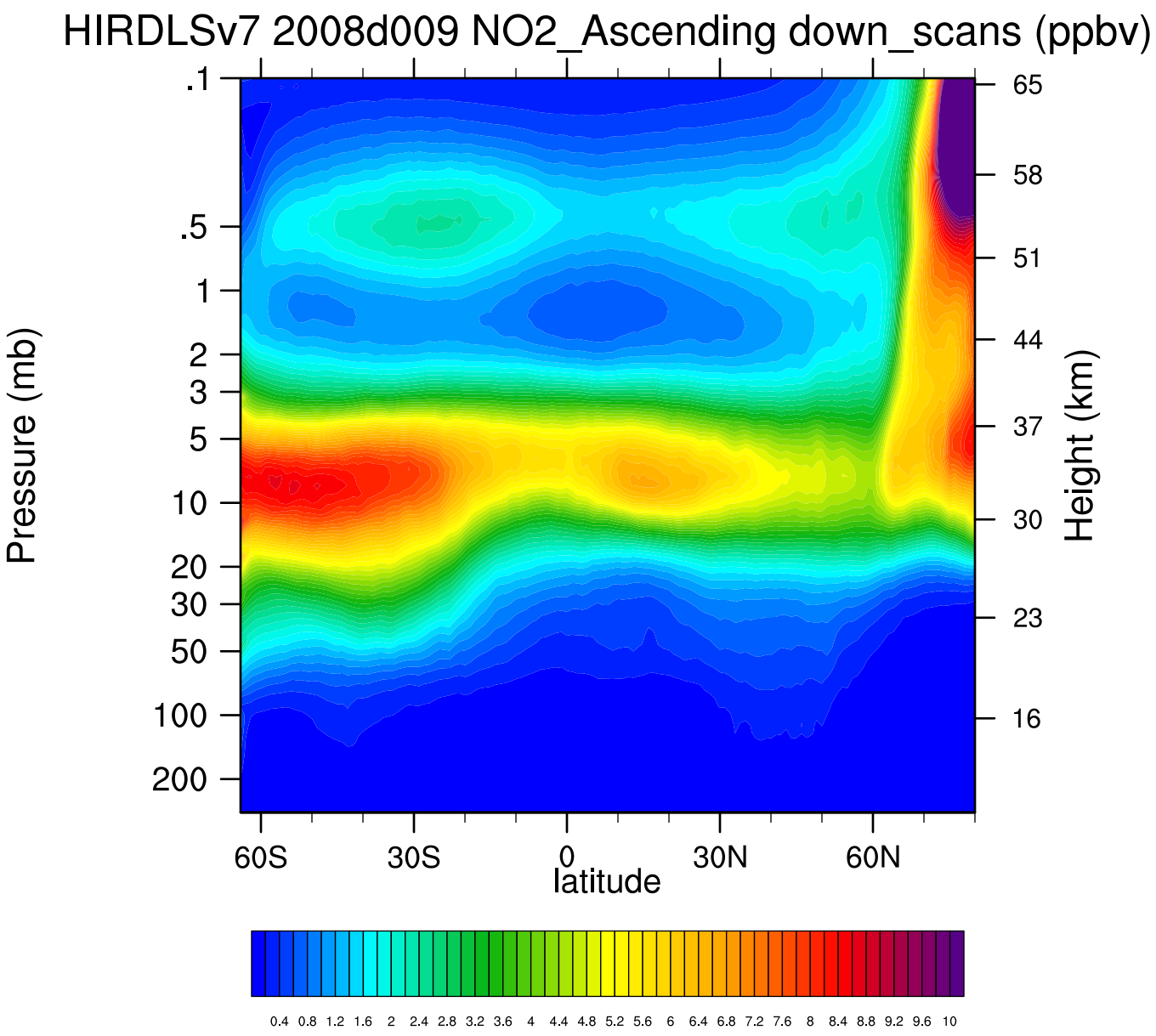

HIRDLSv7 2008d004 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

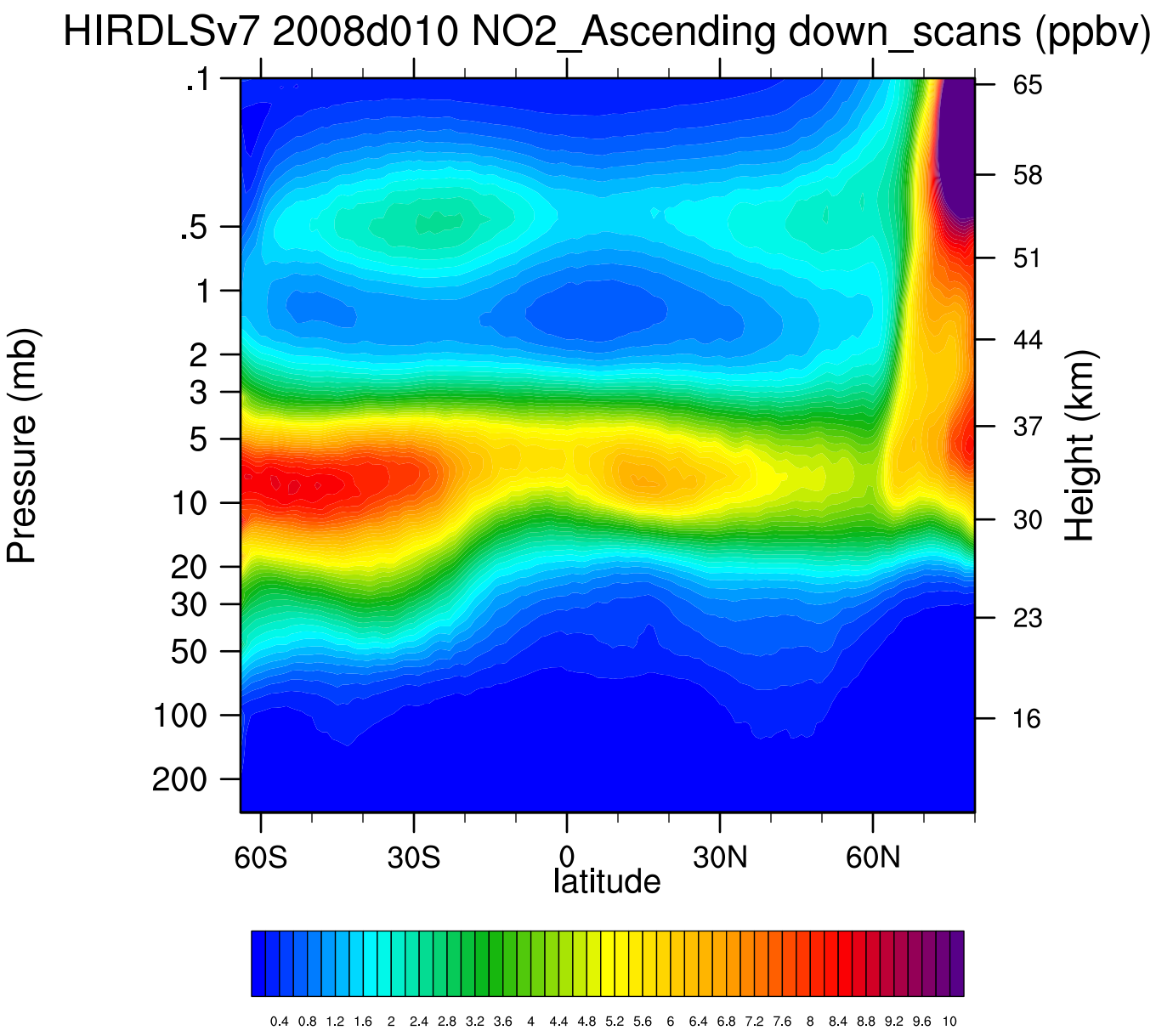

HIRDLSv7 2008d005 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

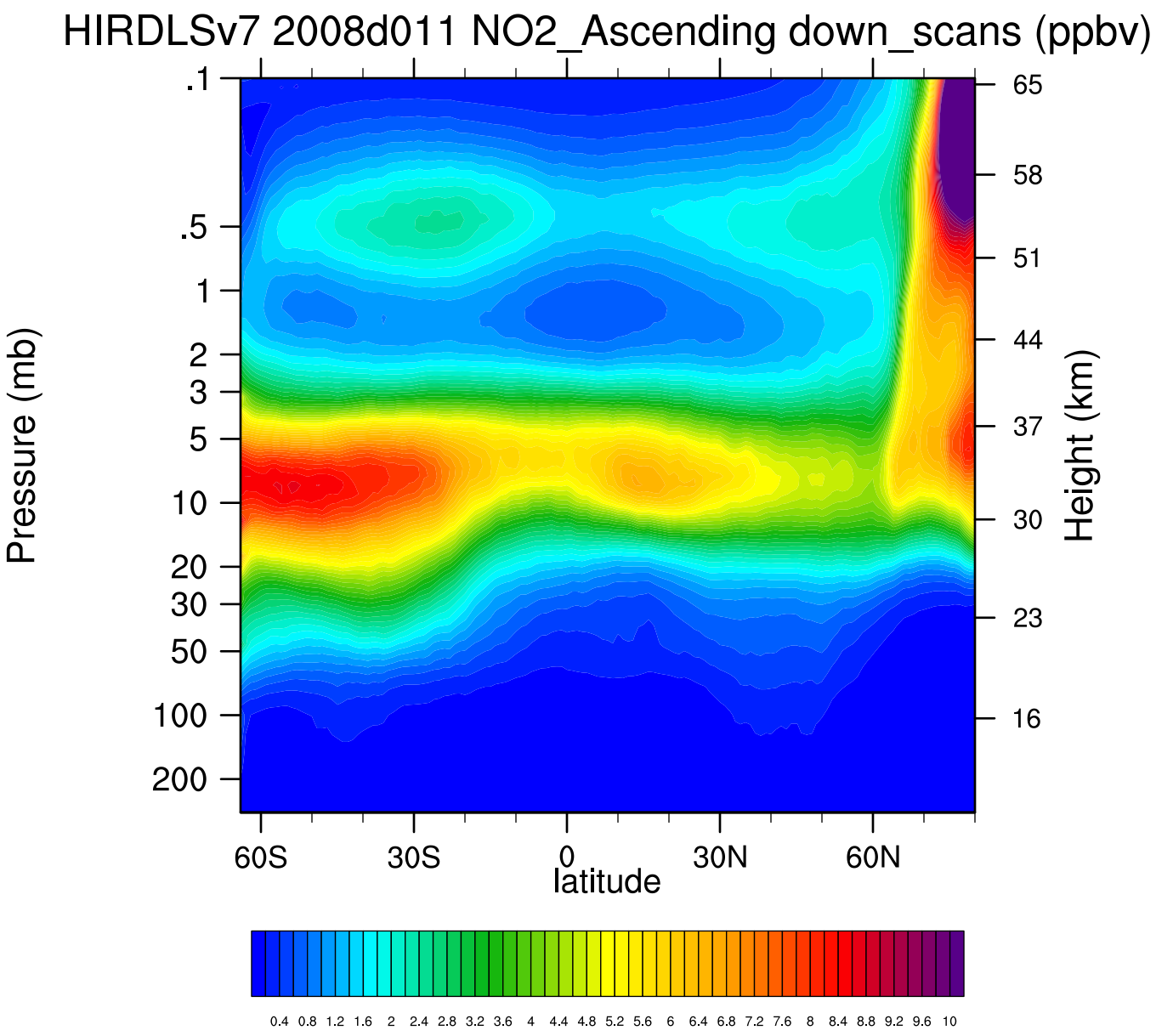

HIRDLSv7 2008d006 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

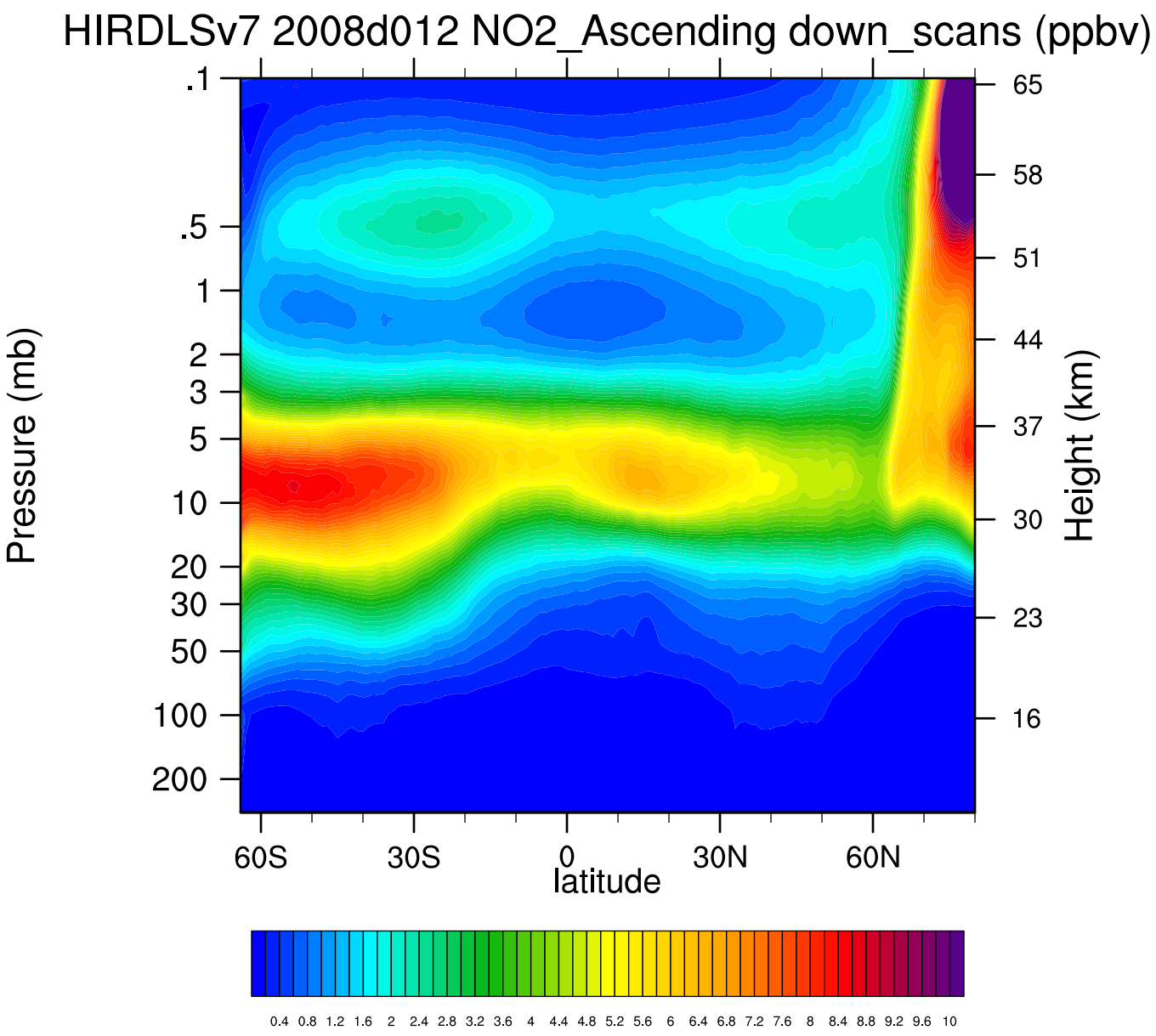

HIRDLSv7 2008d007 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

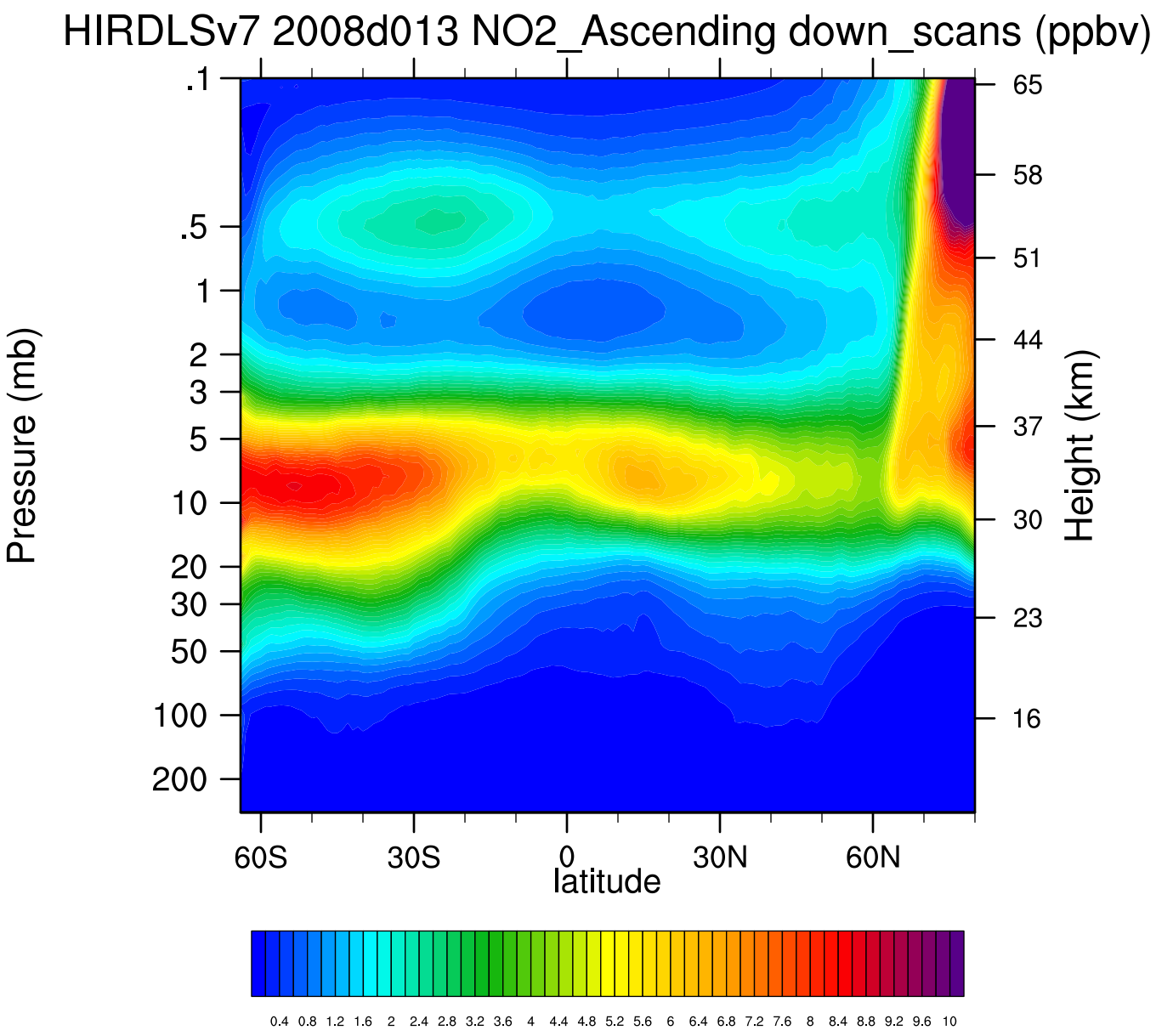

HIRDLSv7 2008d008 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

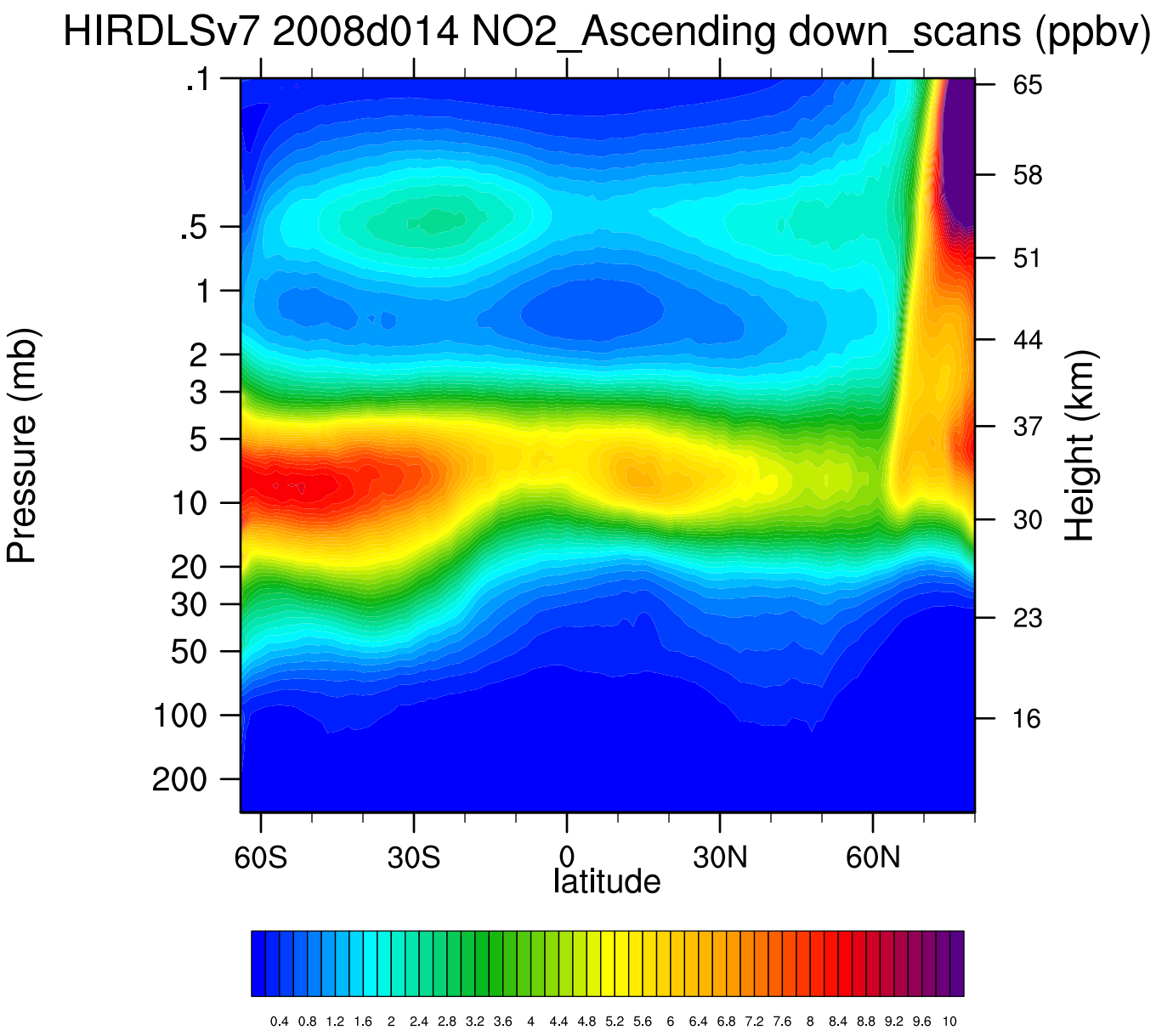

HIRDLSv7 2008d009 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

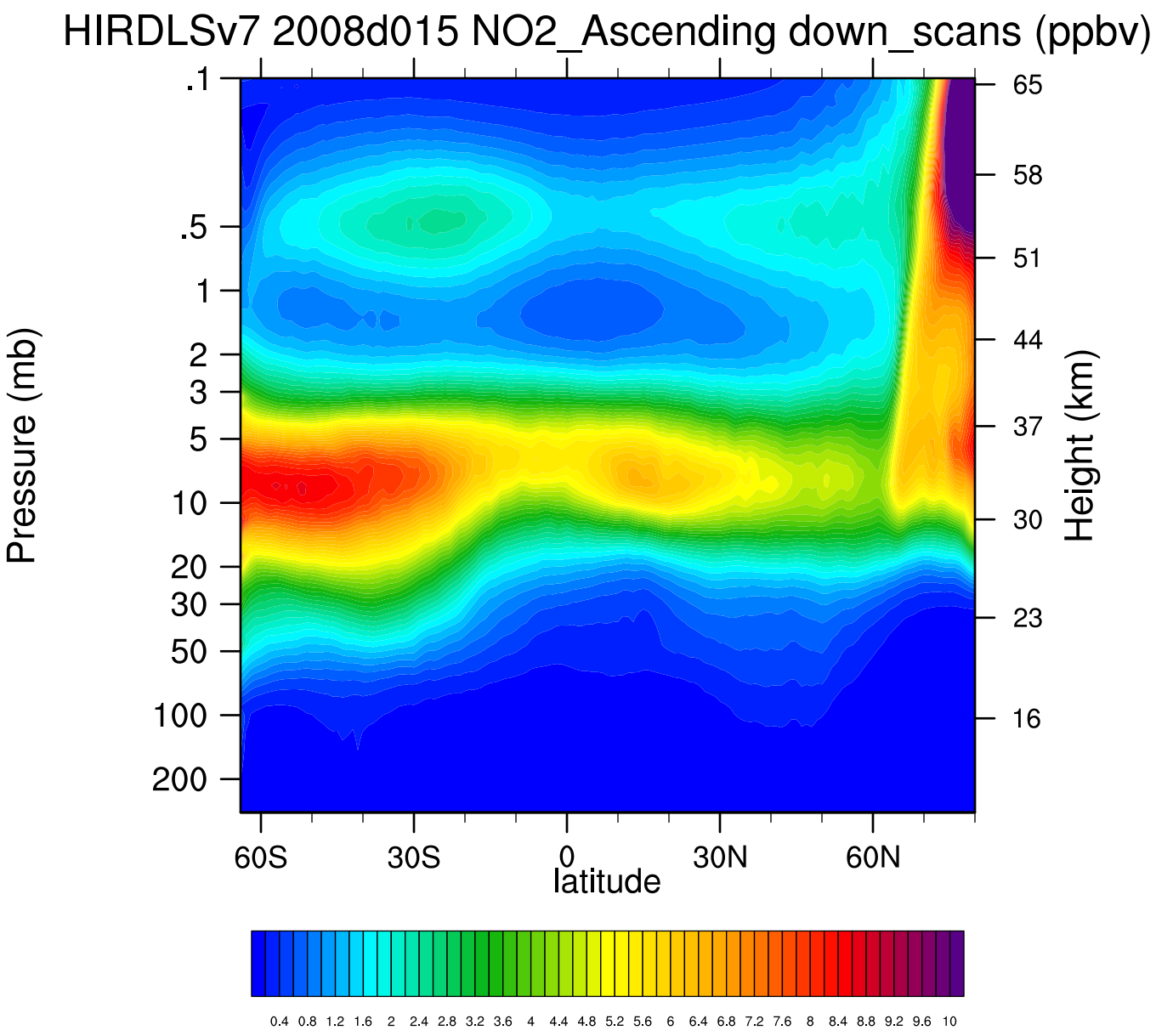

HIRDLSv7 2008d010 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

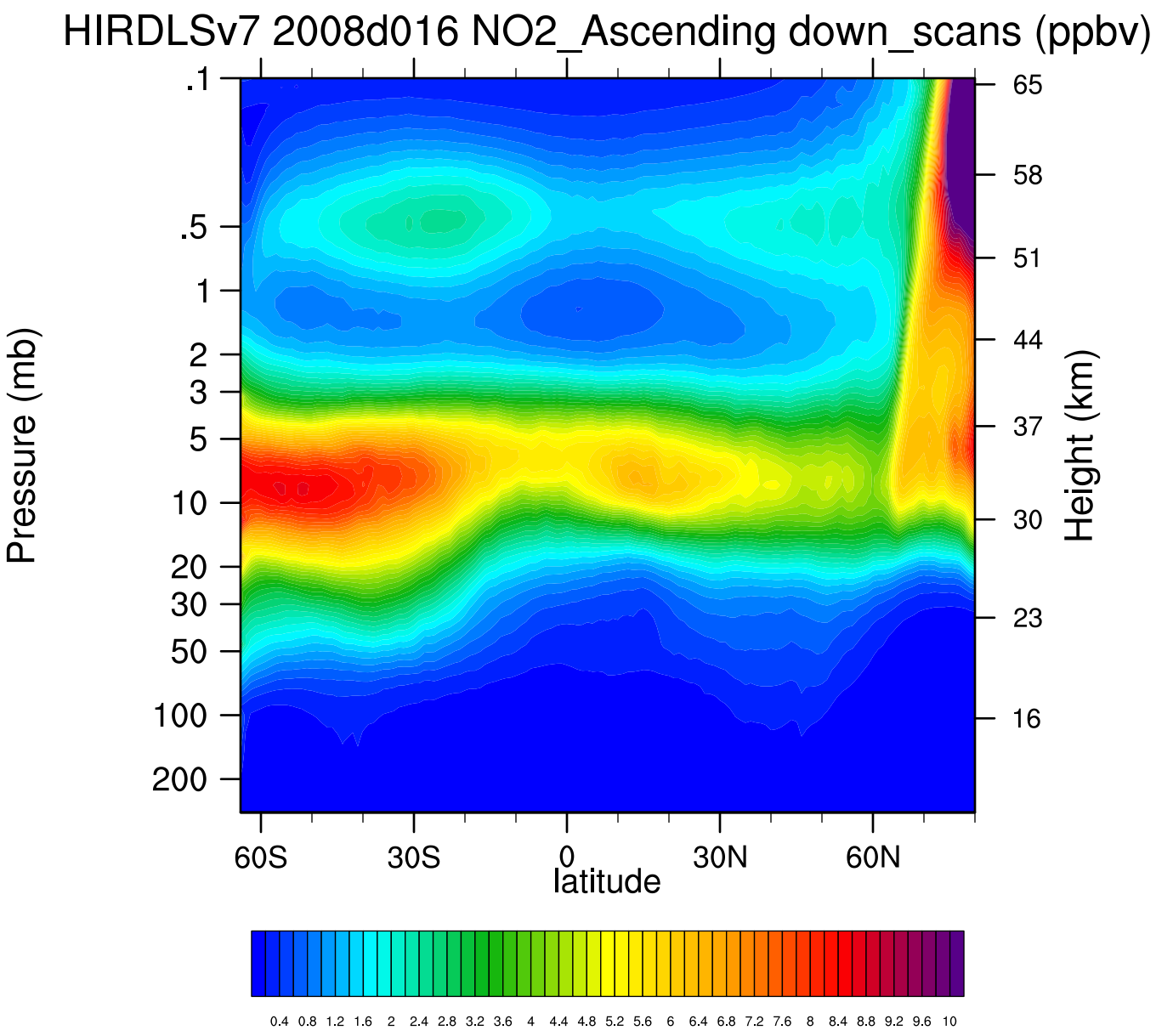

HIRDLSv7 2008d011 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

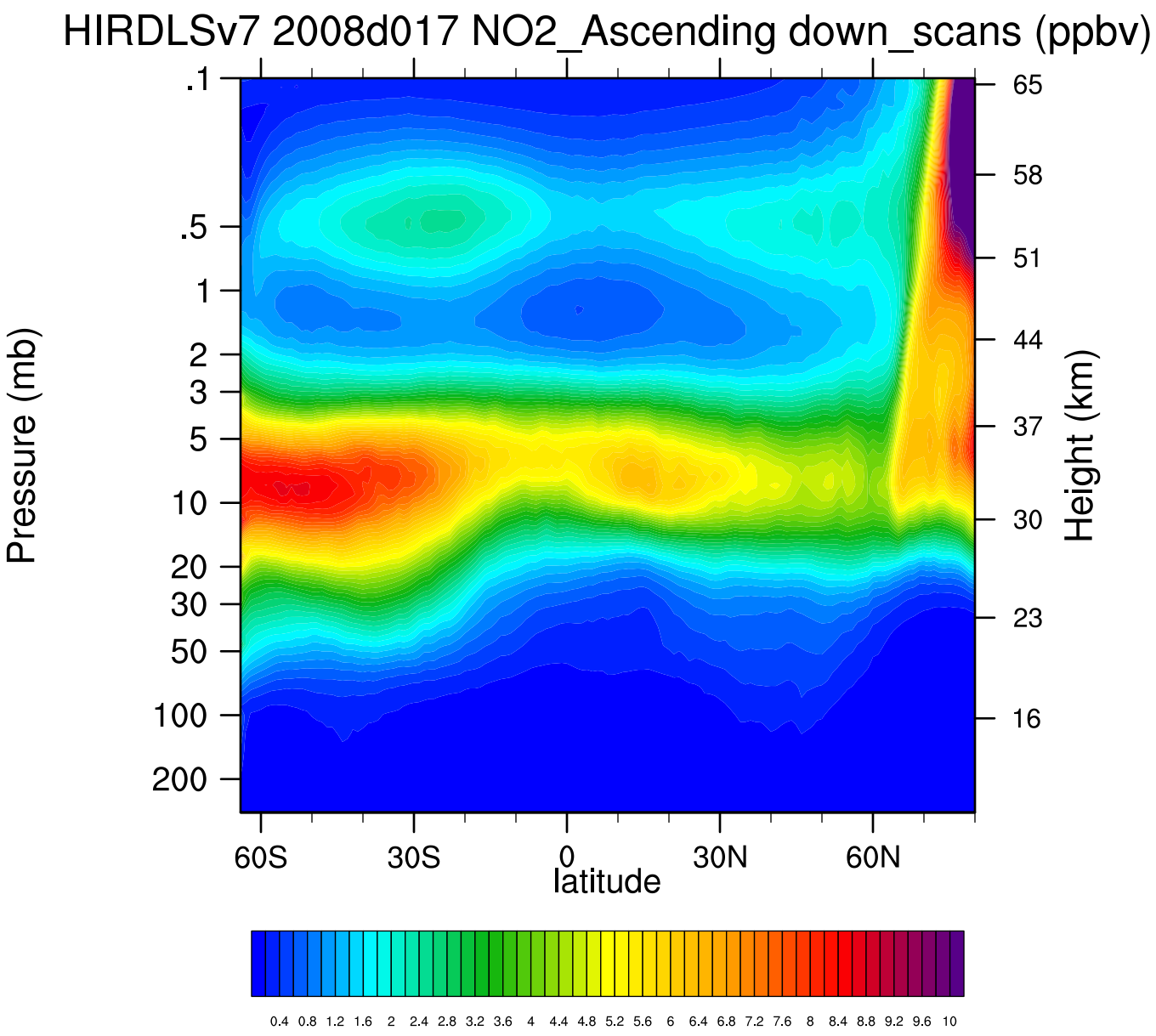

HIRDLSv7 2008d012 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

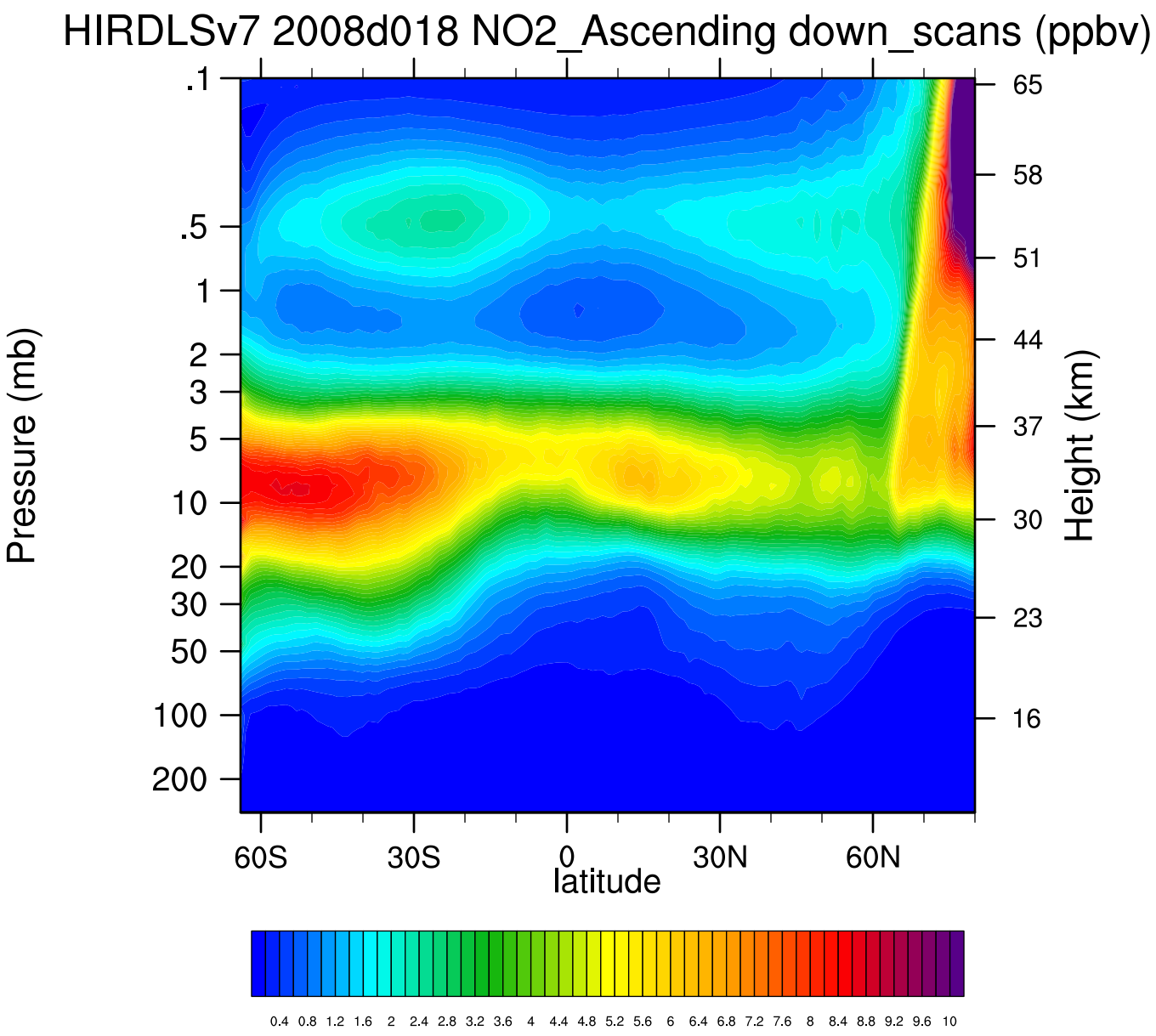

HIRDLSv7 2008d013 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

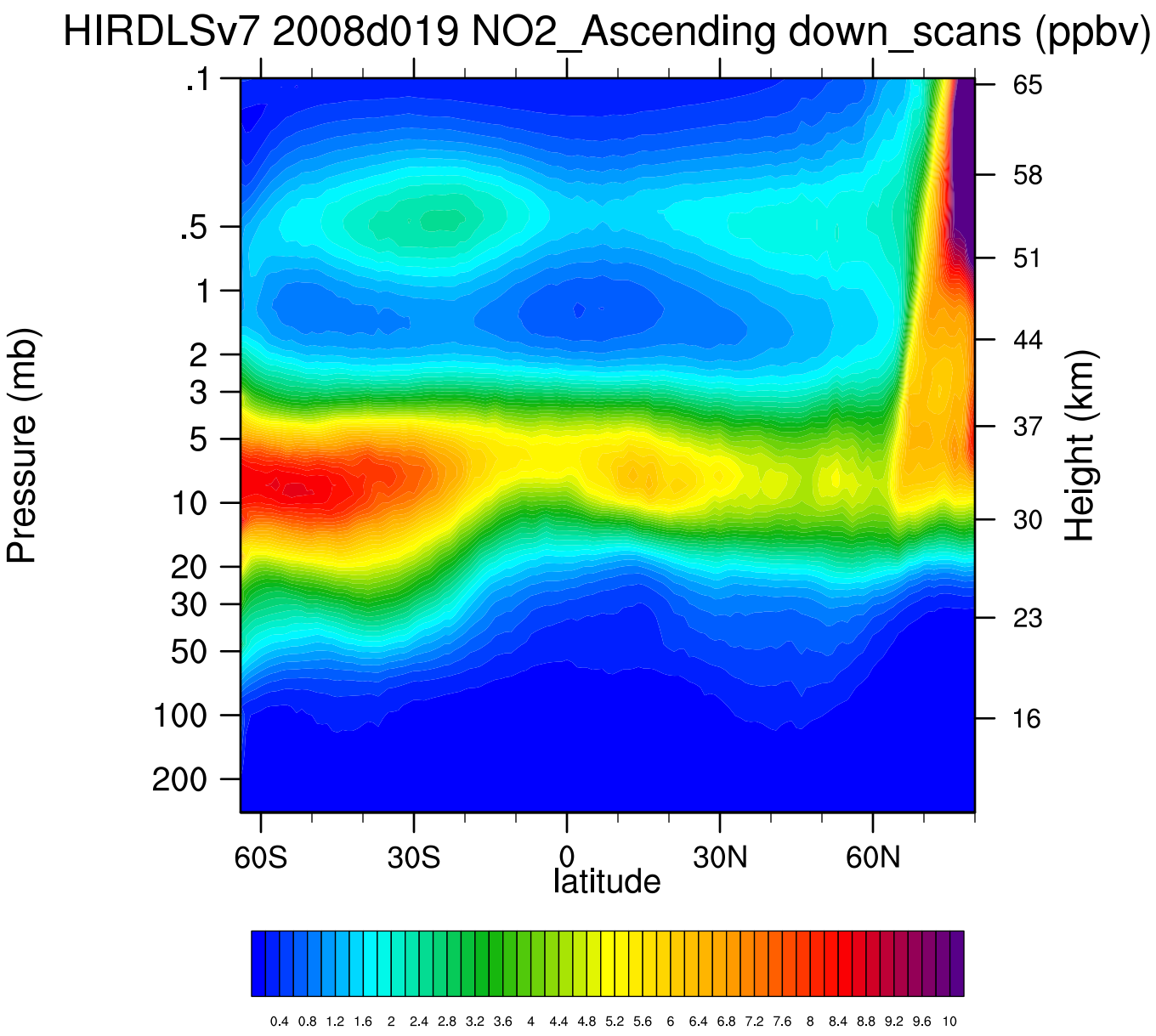

HIRDLSv7 2008d014 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

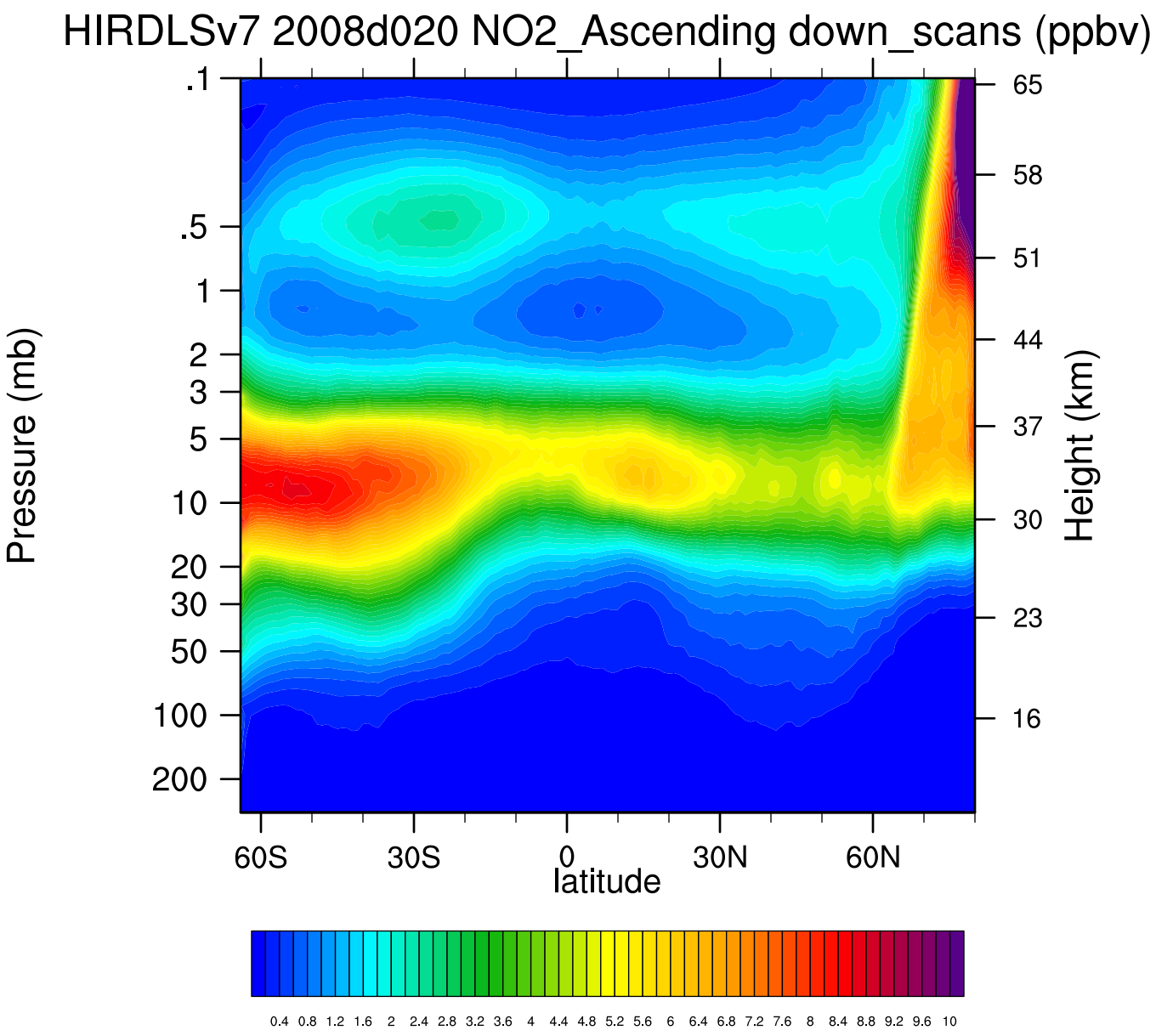

HIRDLSv7 2008d015 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

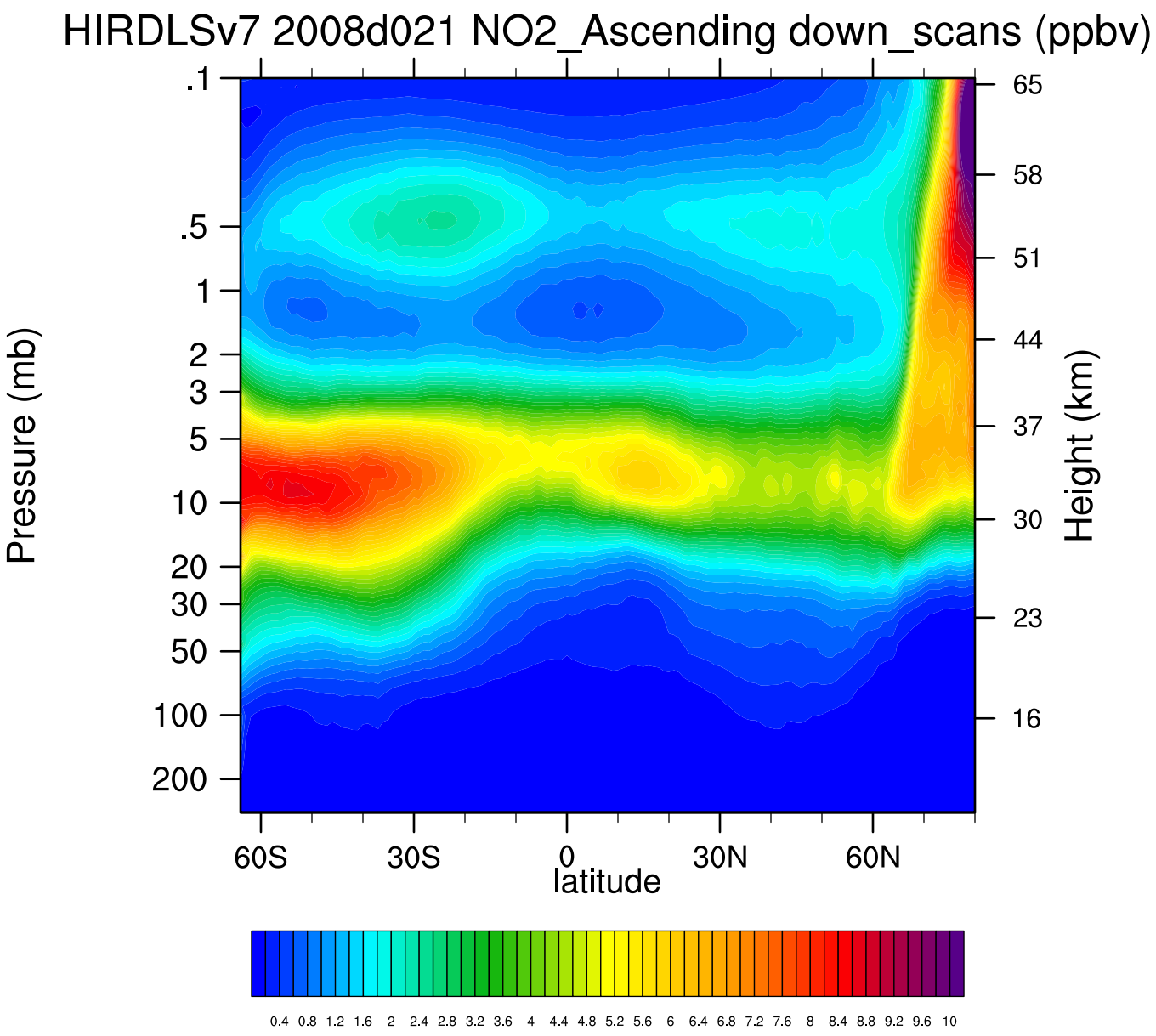

HIRDLSv7 2008d016 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

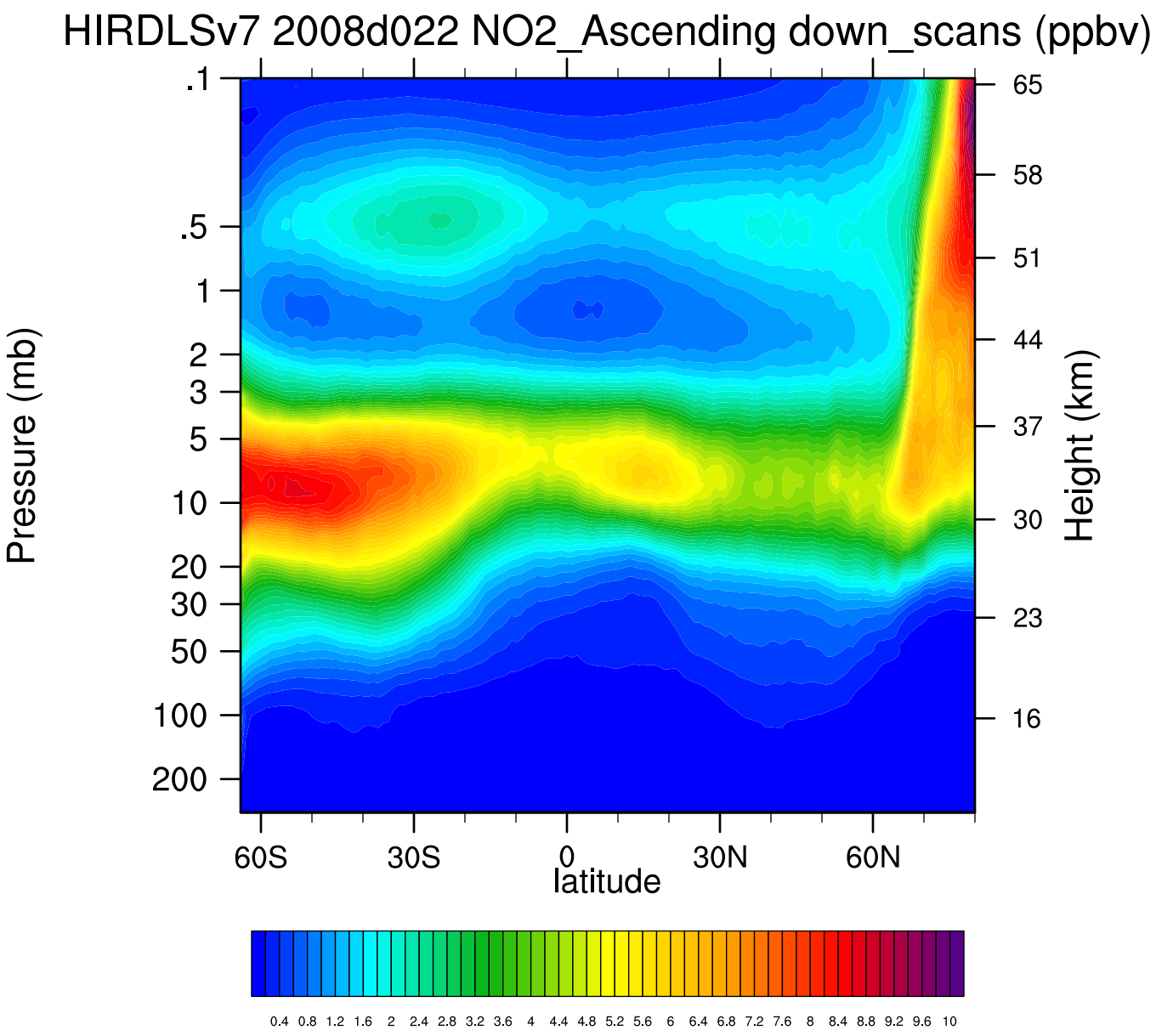

HIRDLSv7 2008d017 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

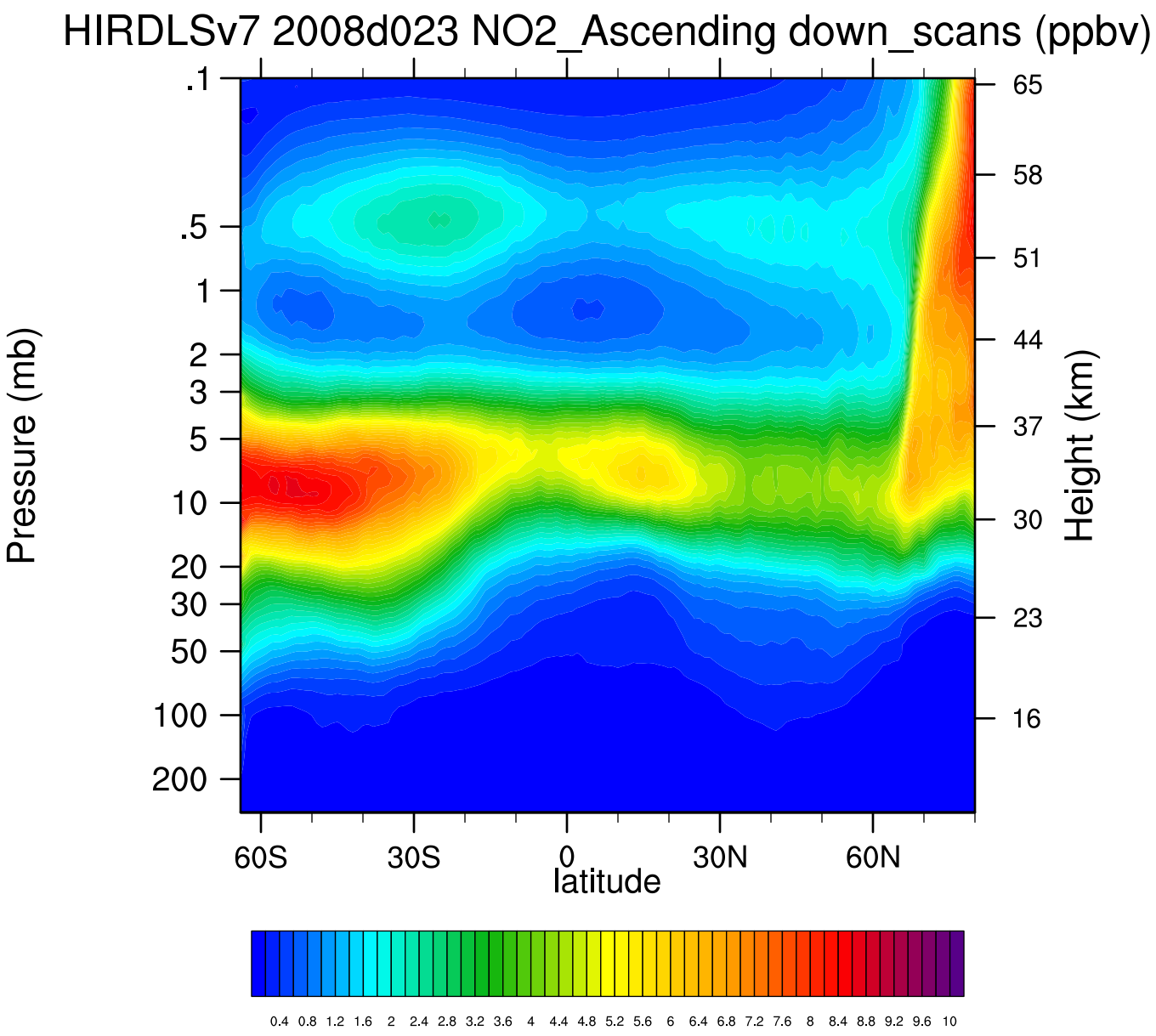

HIRDLSv7 2008d018 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

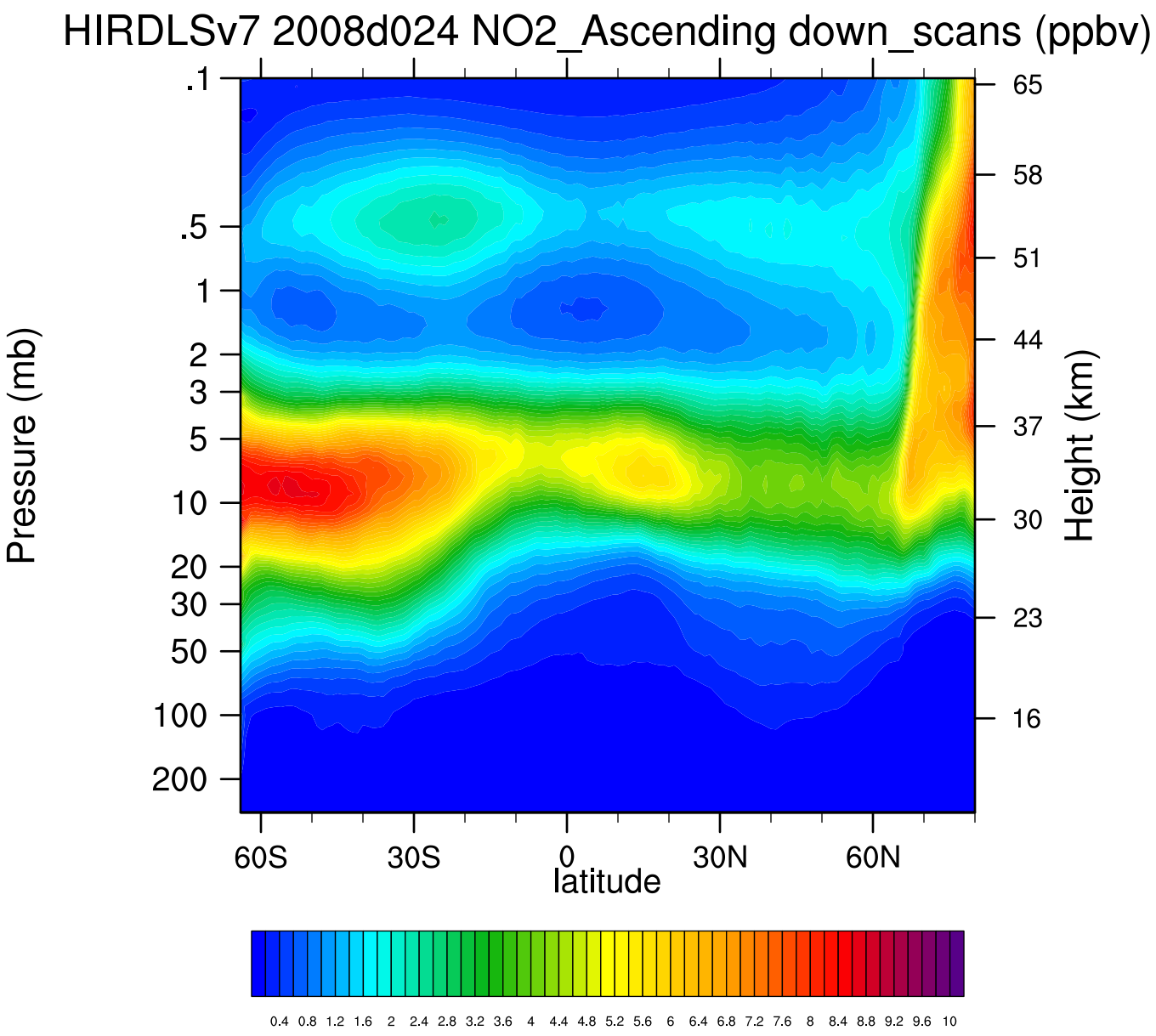

HIRDLSv7 2008d019 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

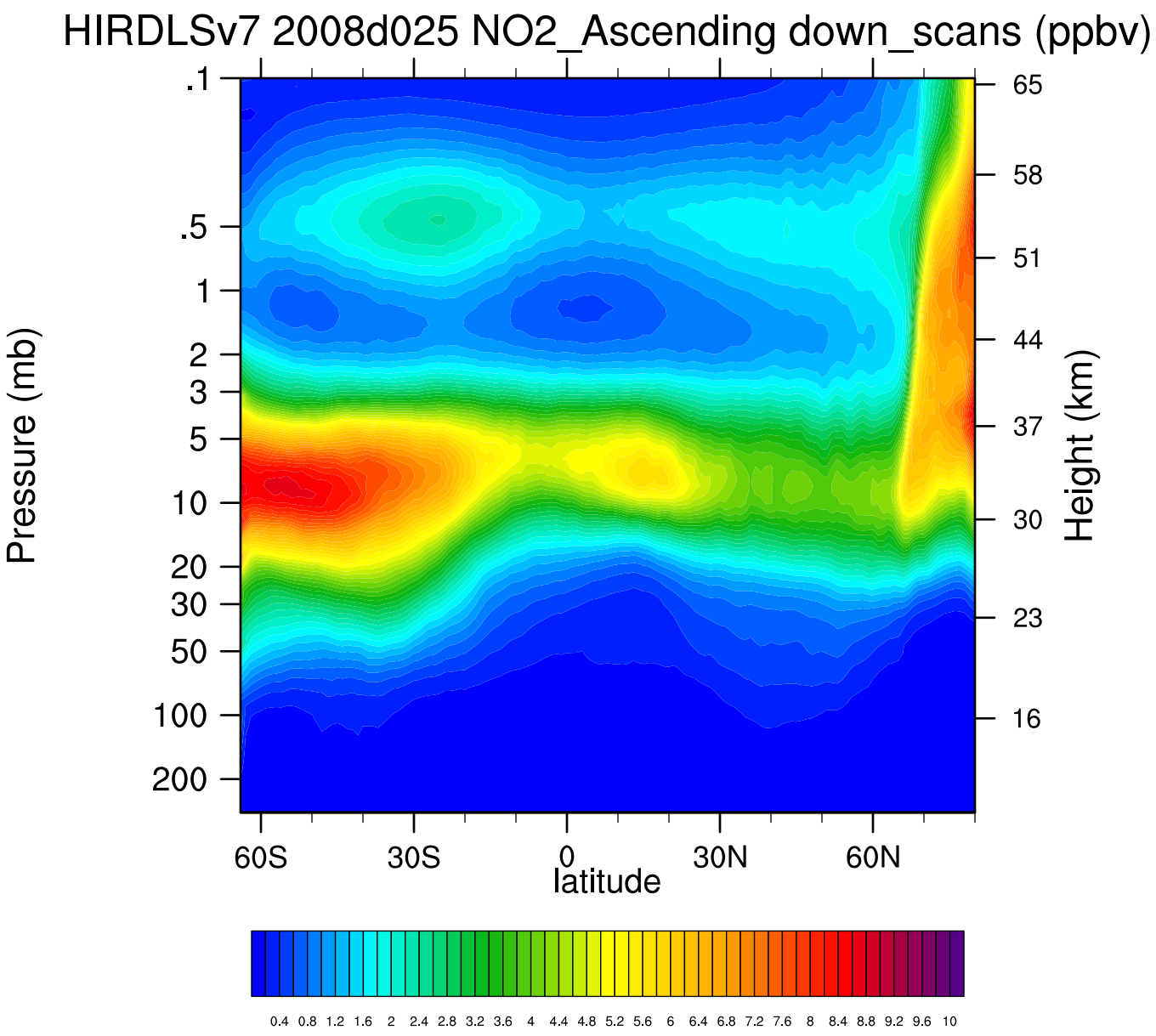

HIRDLSv7 2008d020 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10

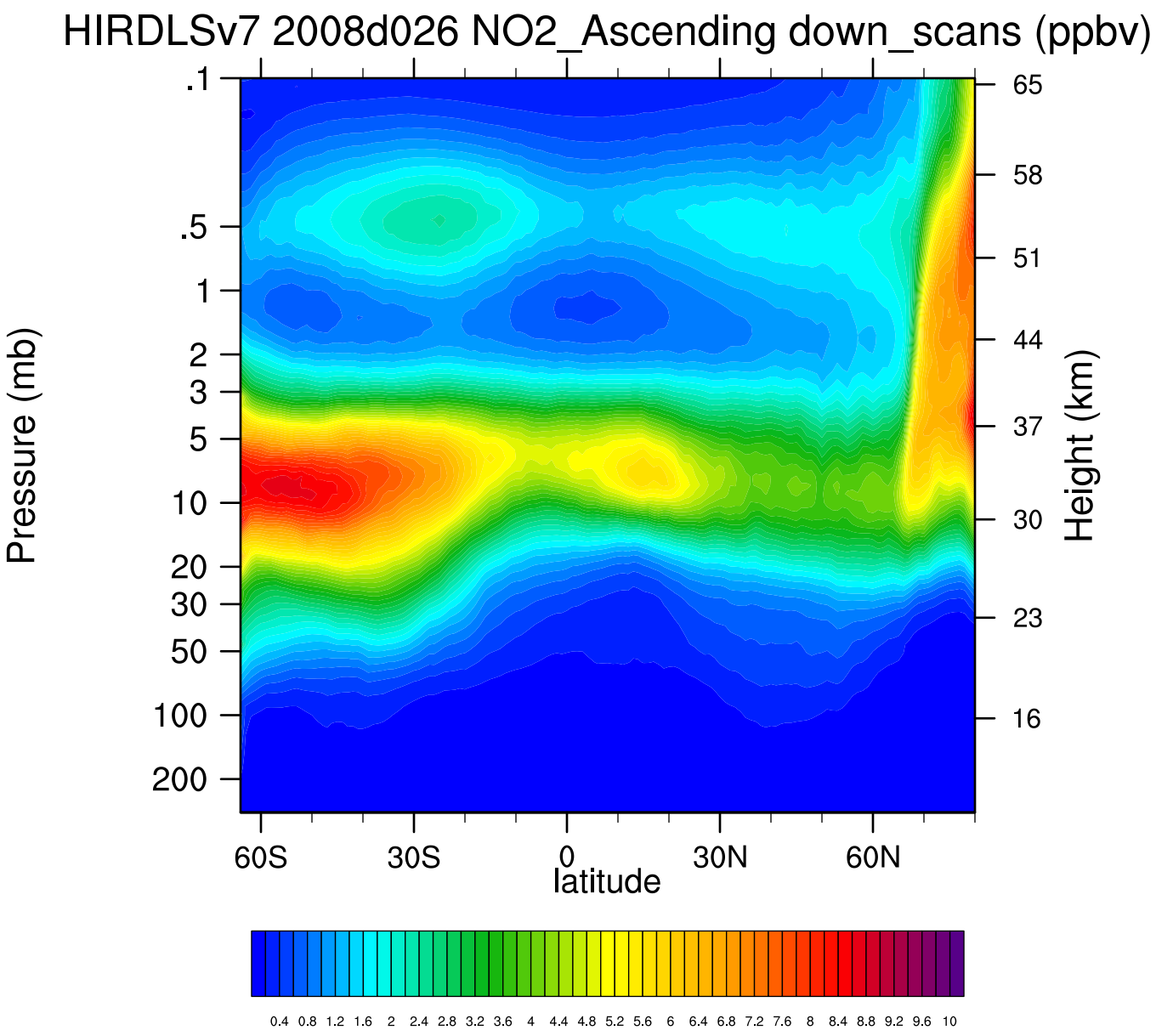

HIRDLSv7 2008d021 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2008d022 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2008d023 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2008d024 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2008d025 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2008d026 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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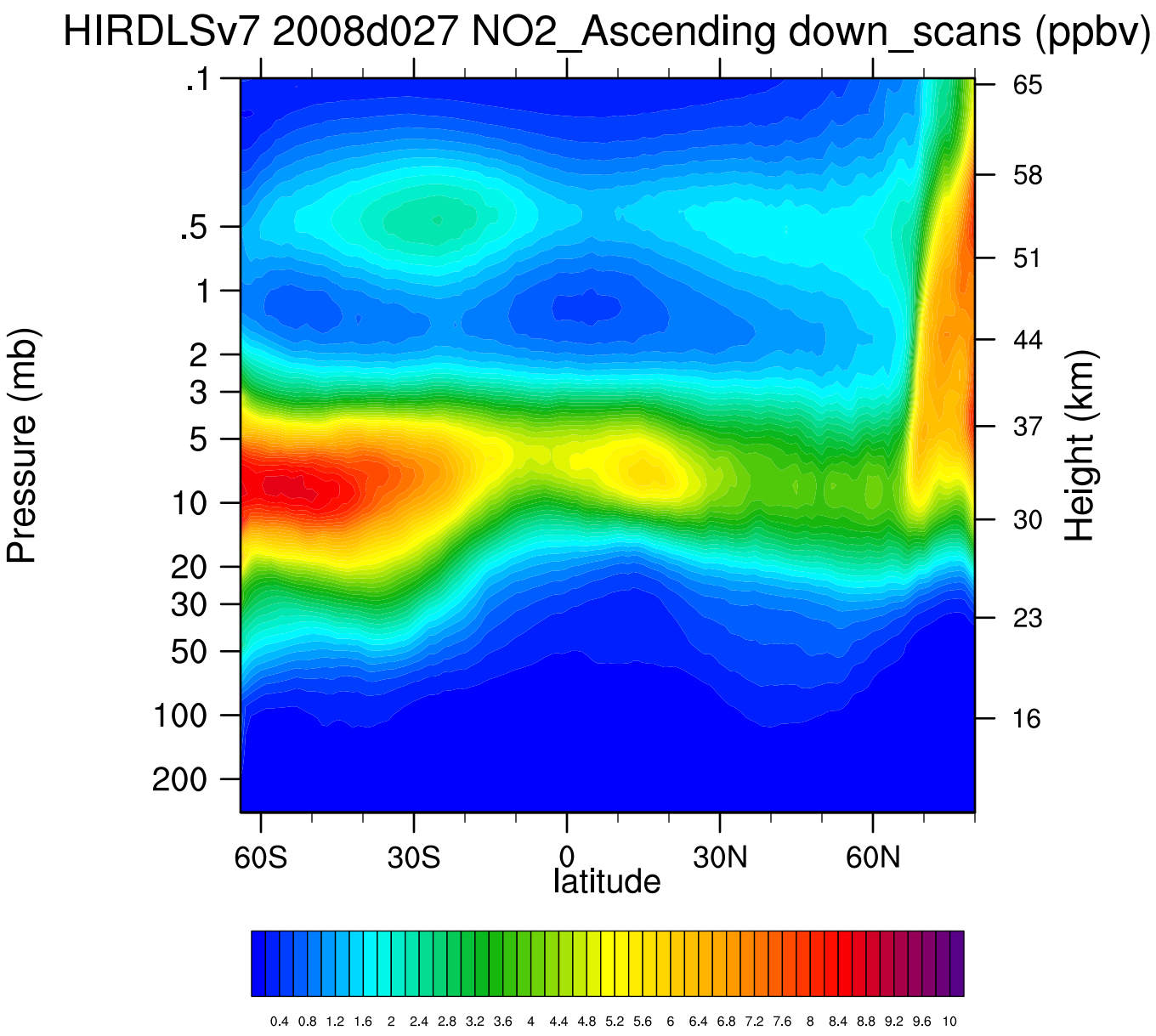
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2008d027 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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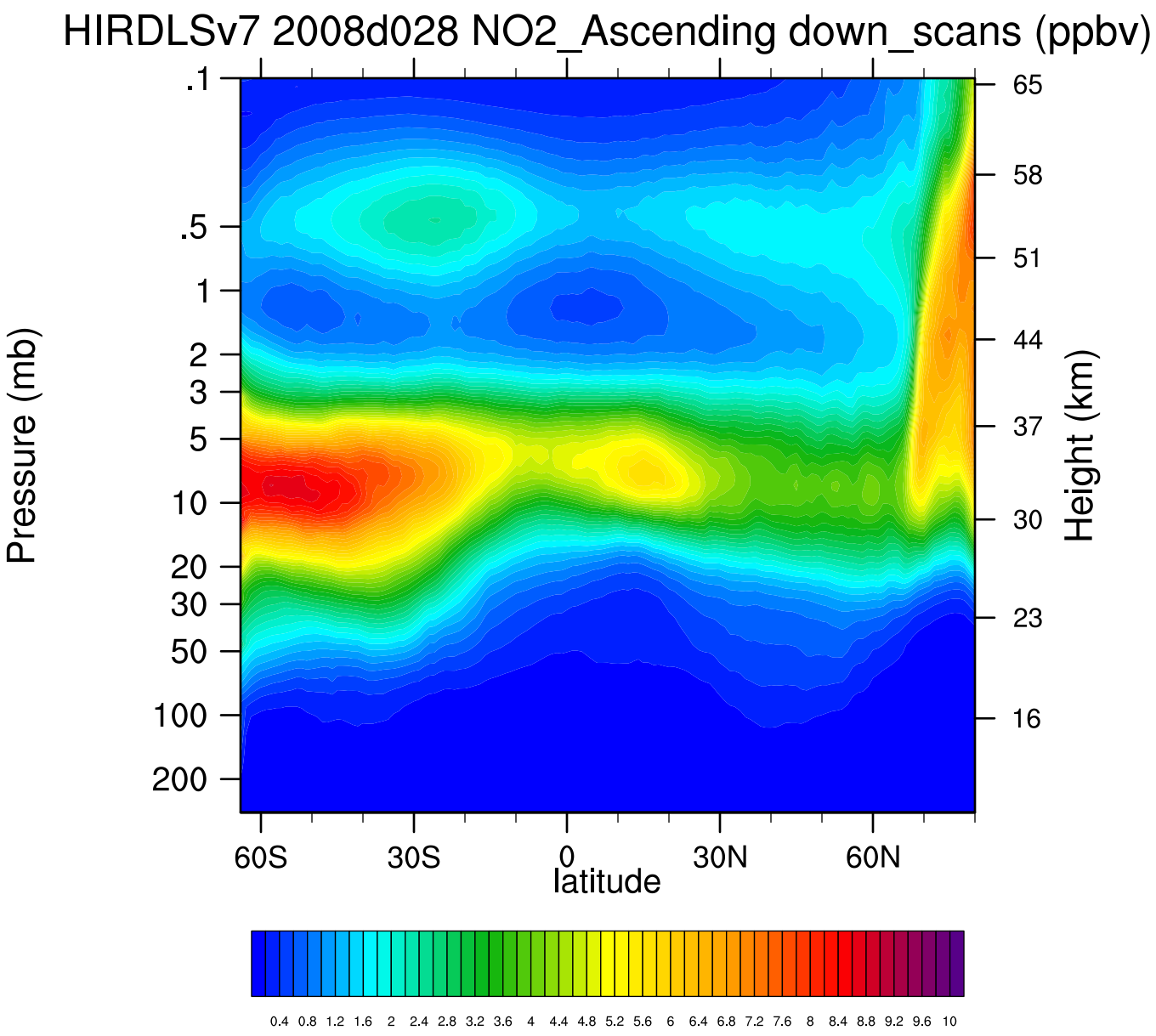
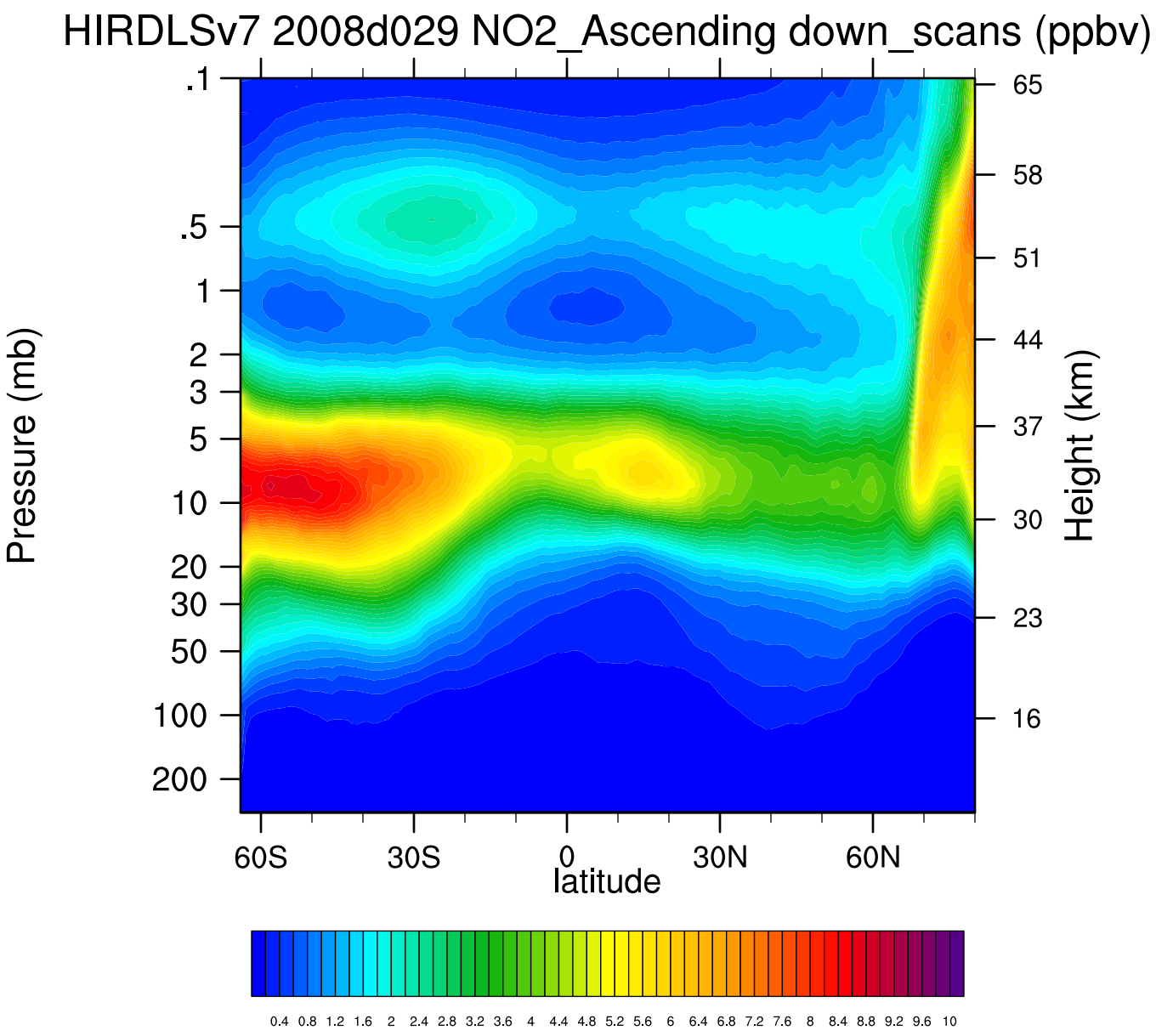
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2008d028 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2008d029 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
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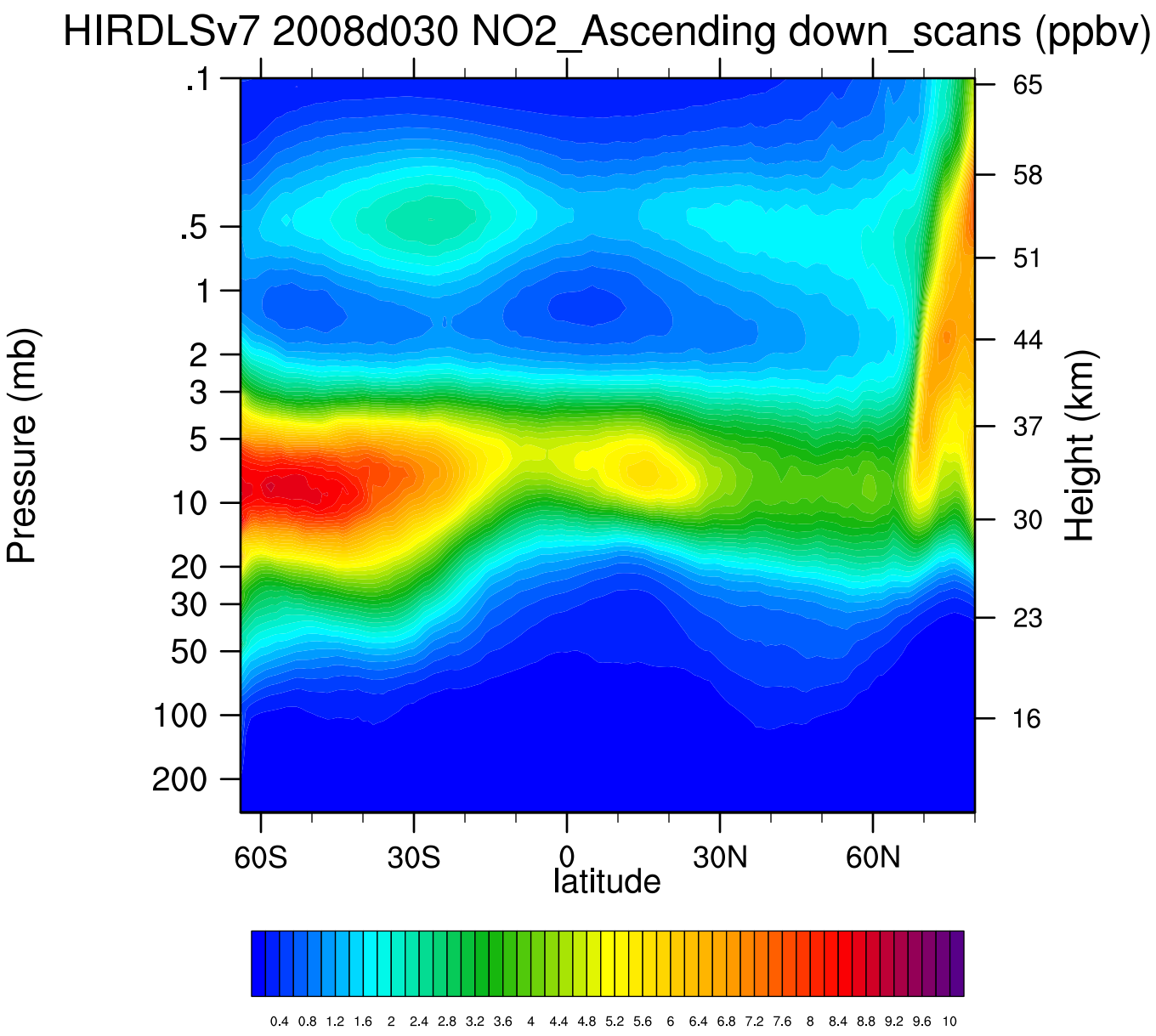
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2008d030 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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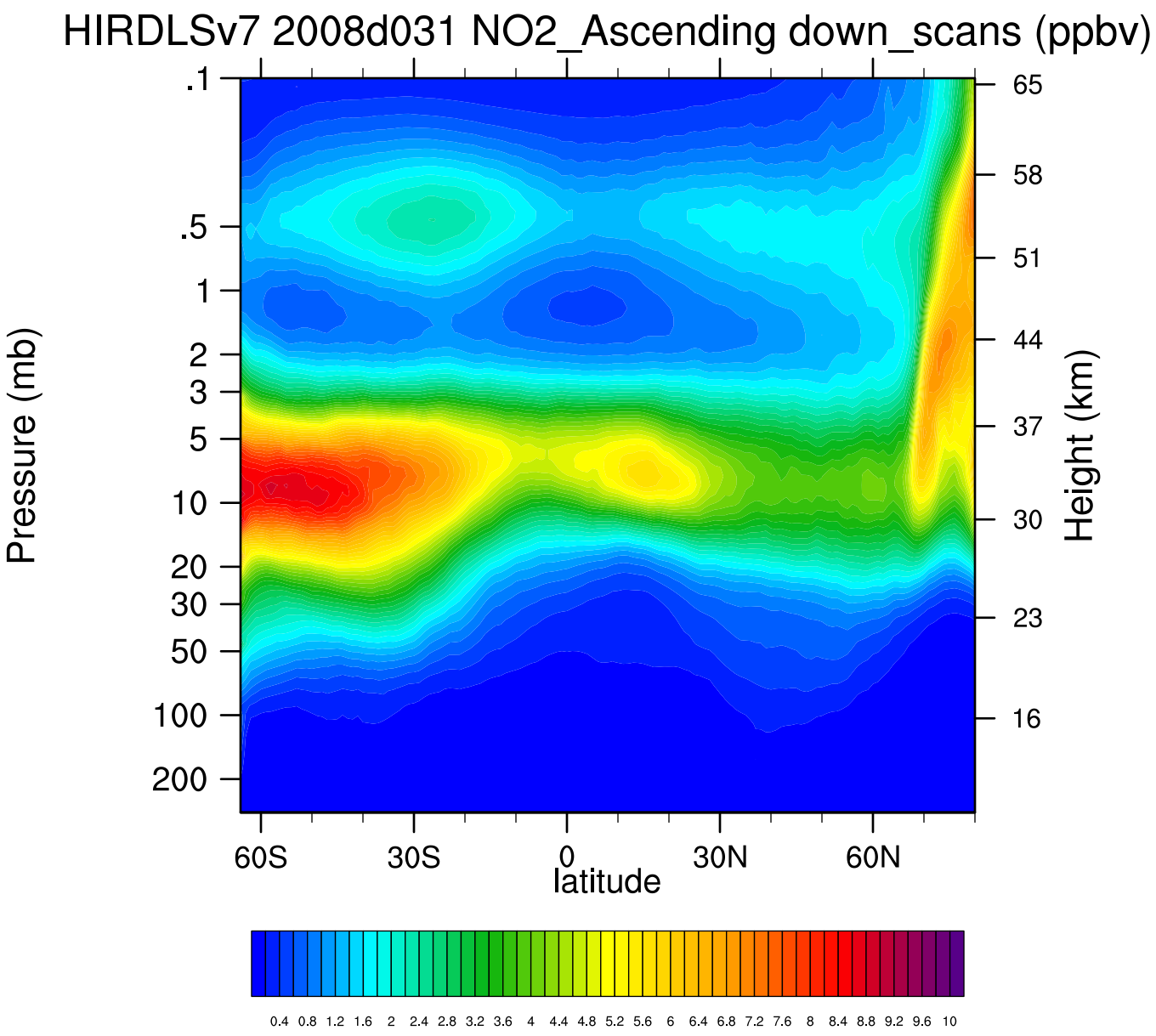
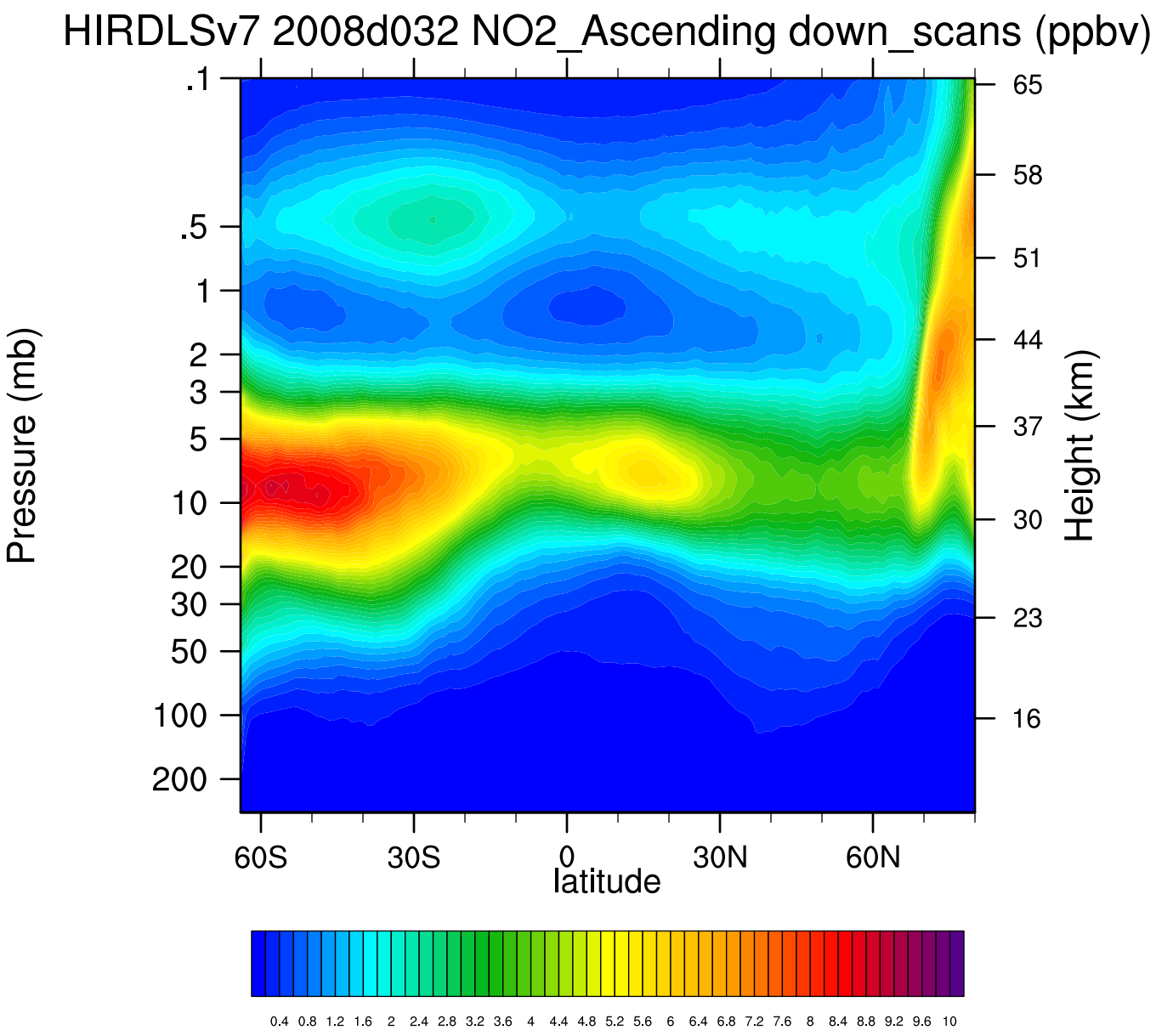
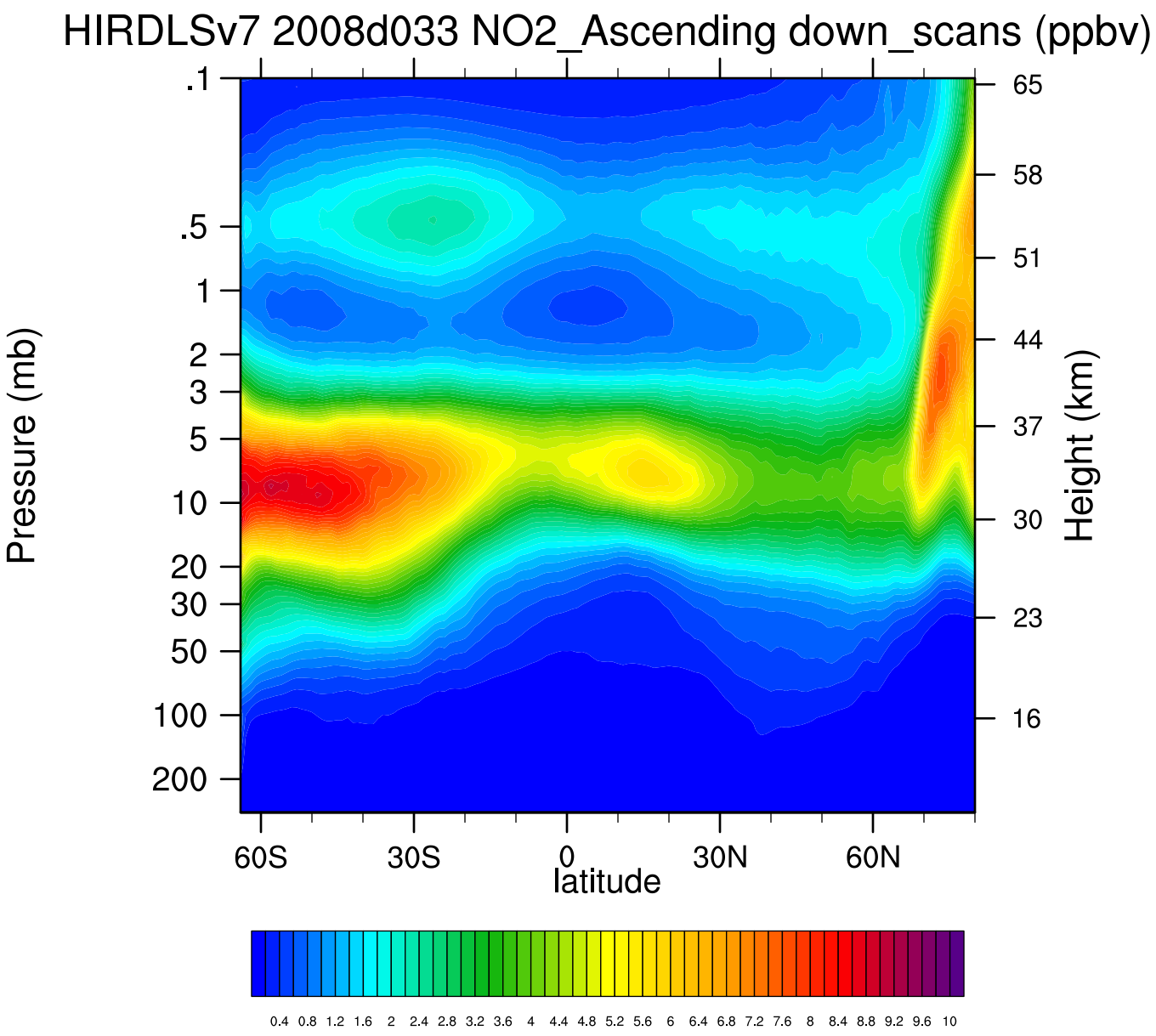
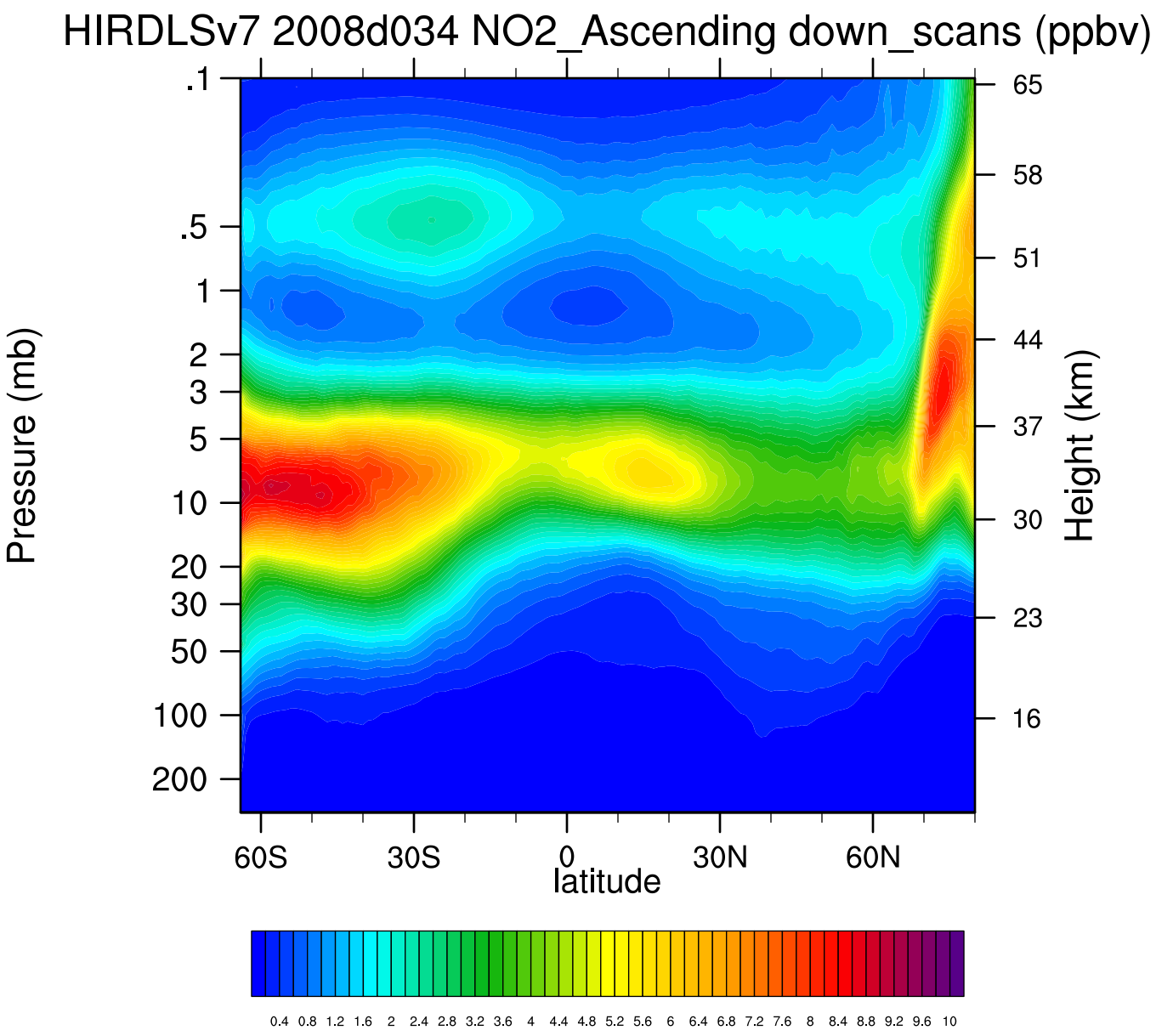
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2008d031 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2008d032 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2008d033 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2008d034 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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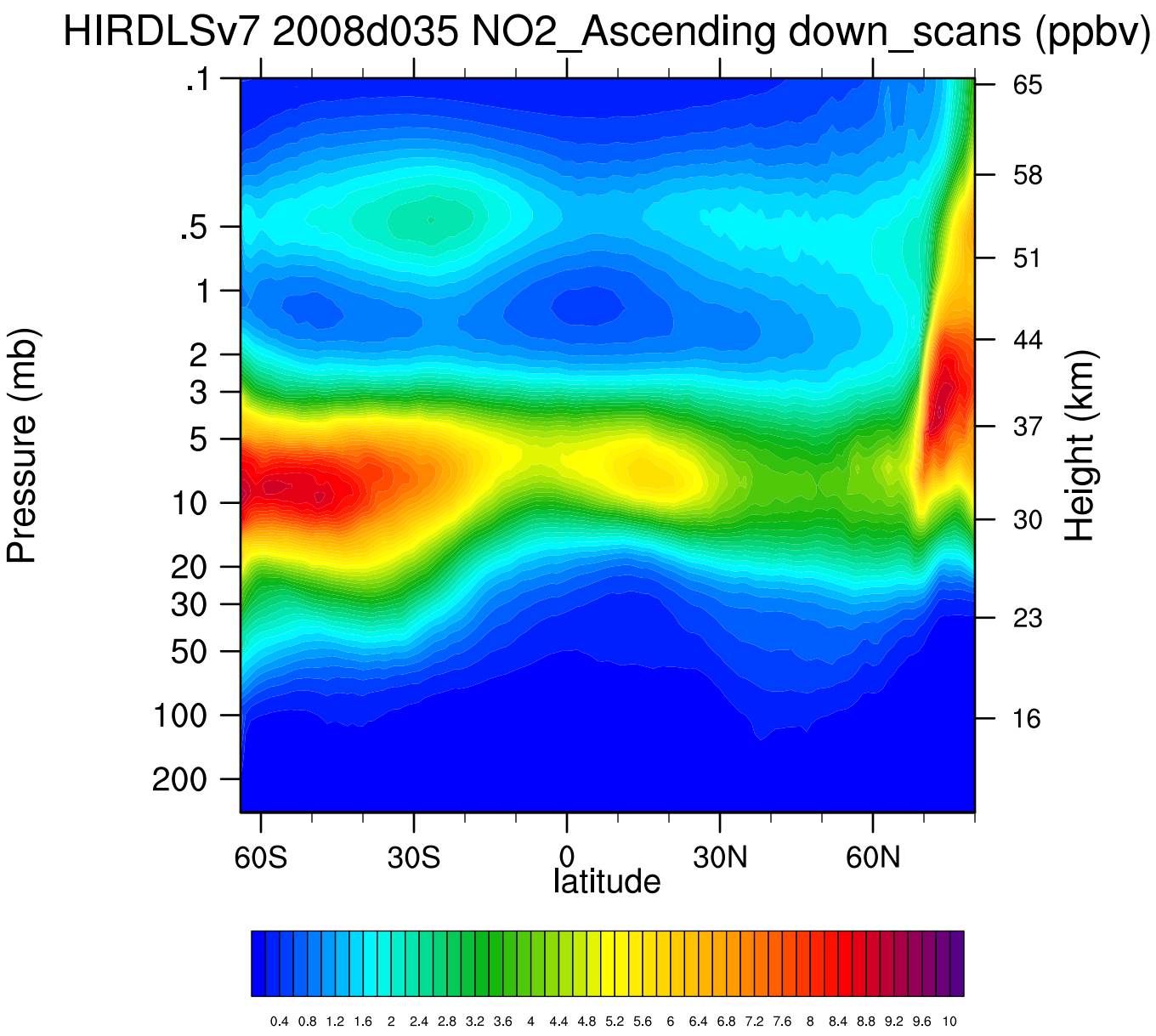
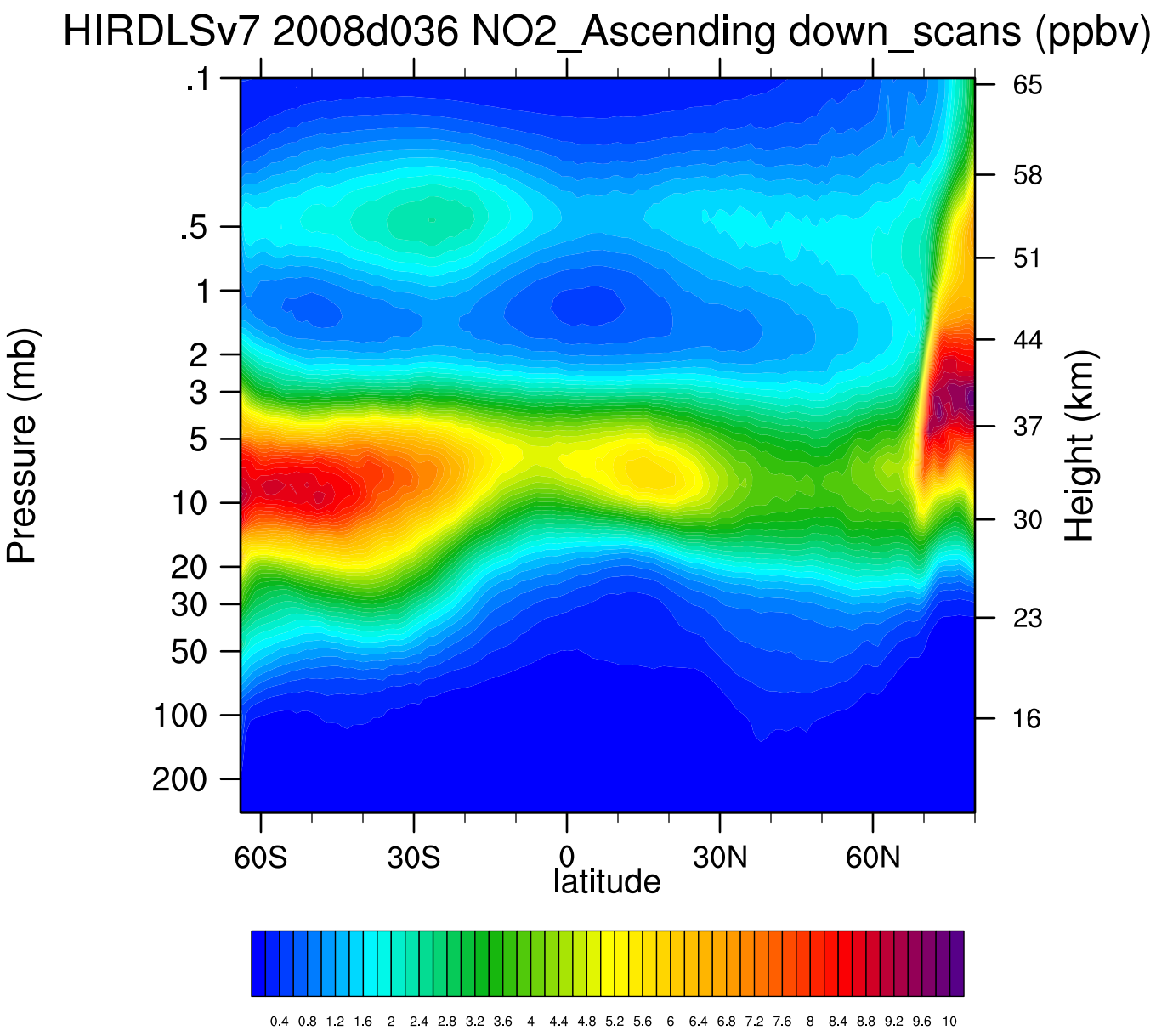
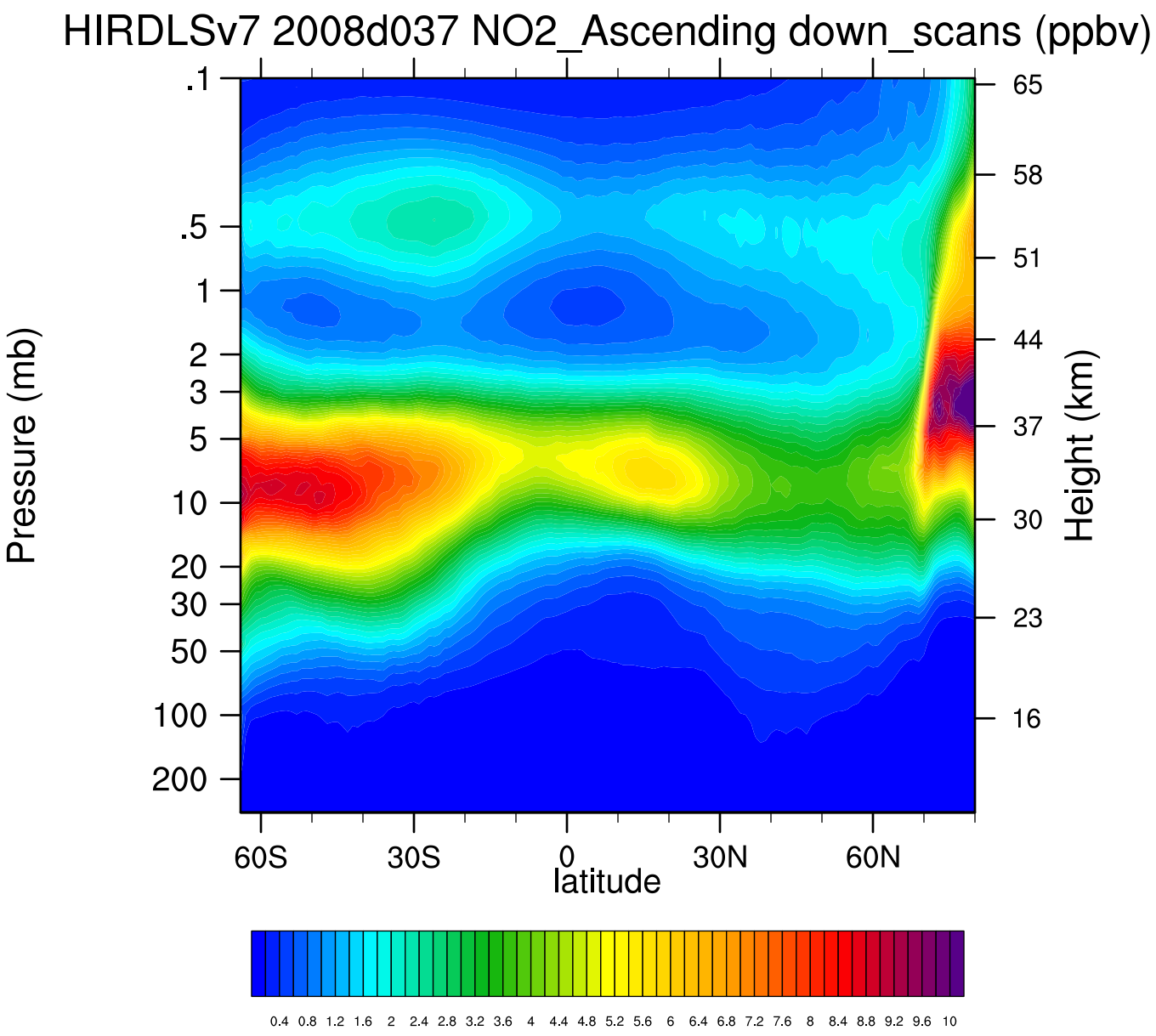
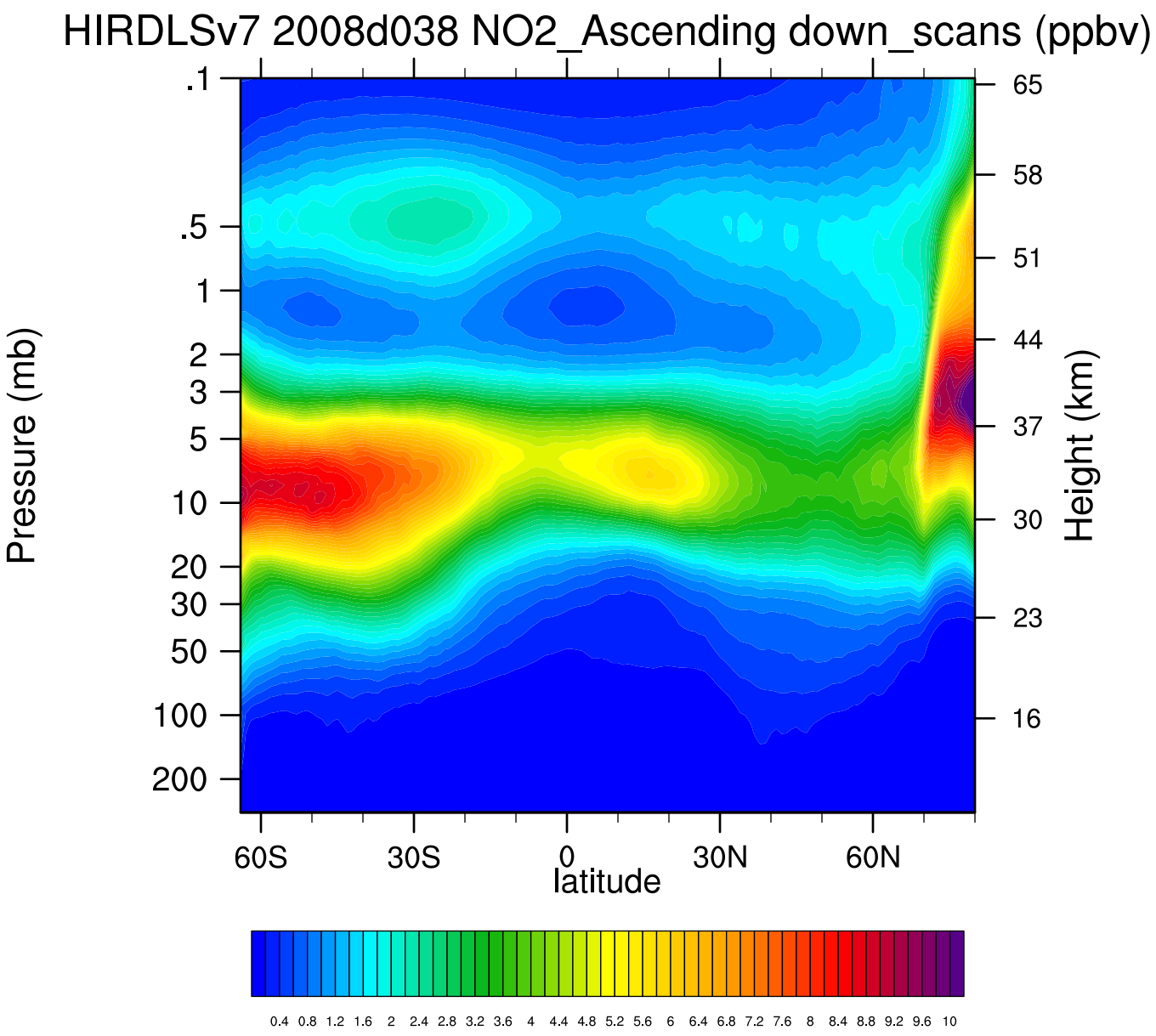
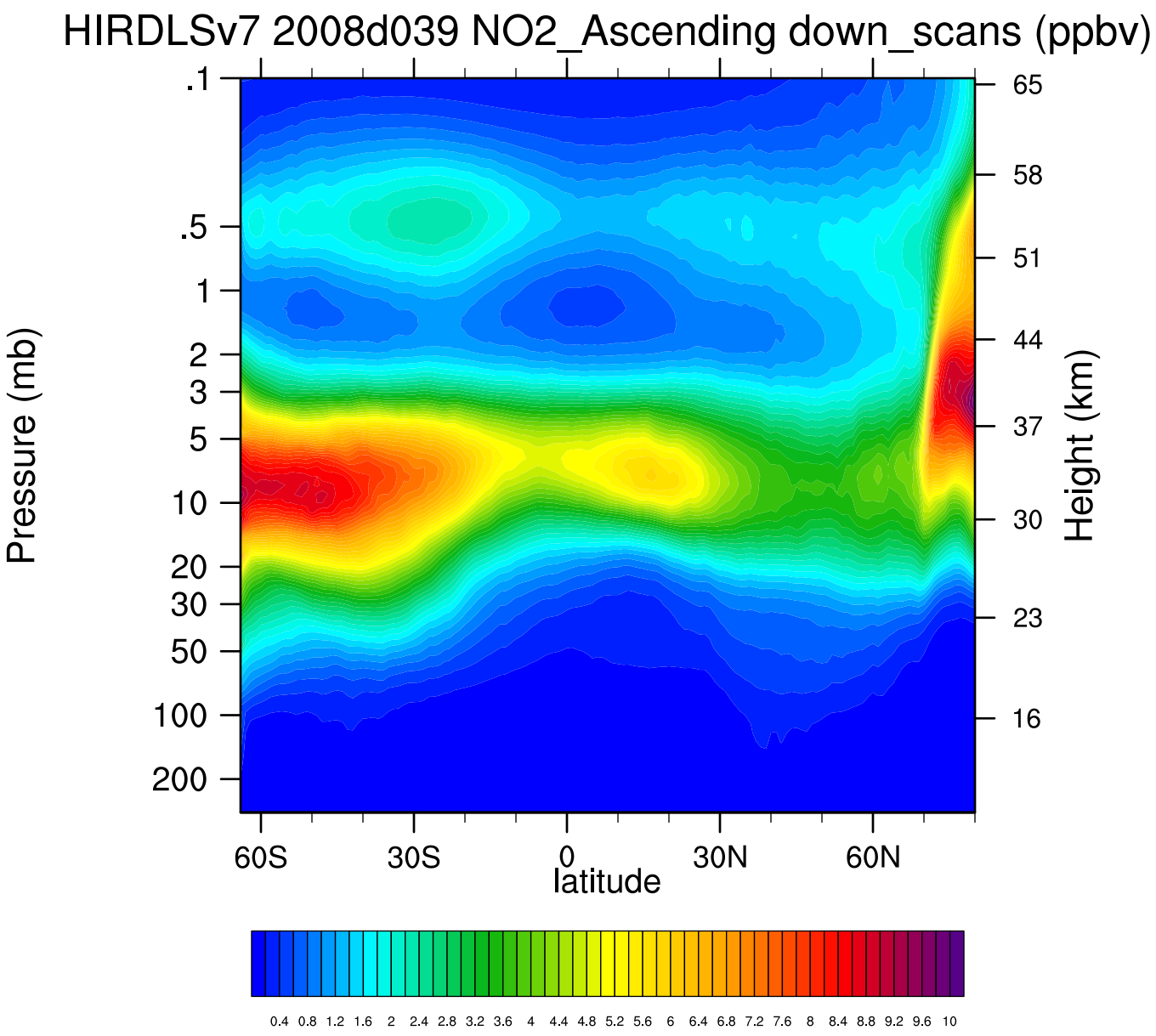
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2008d035 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2008d036 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2008d037 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2008d038 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2008d039 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
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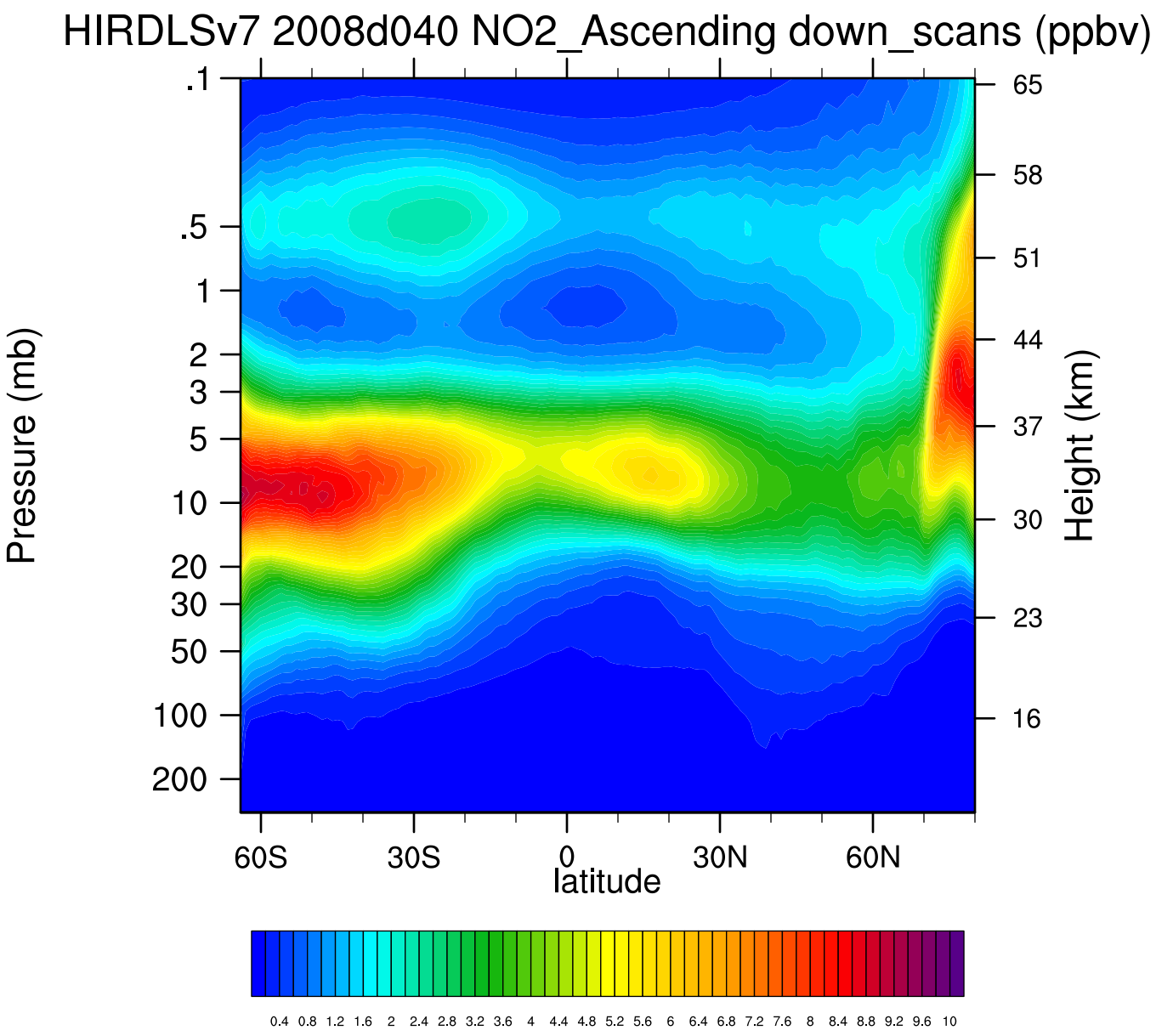
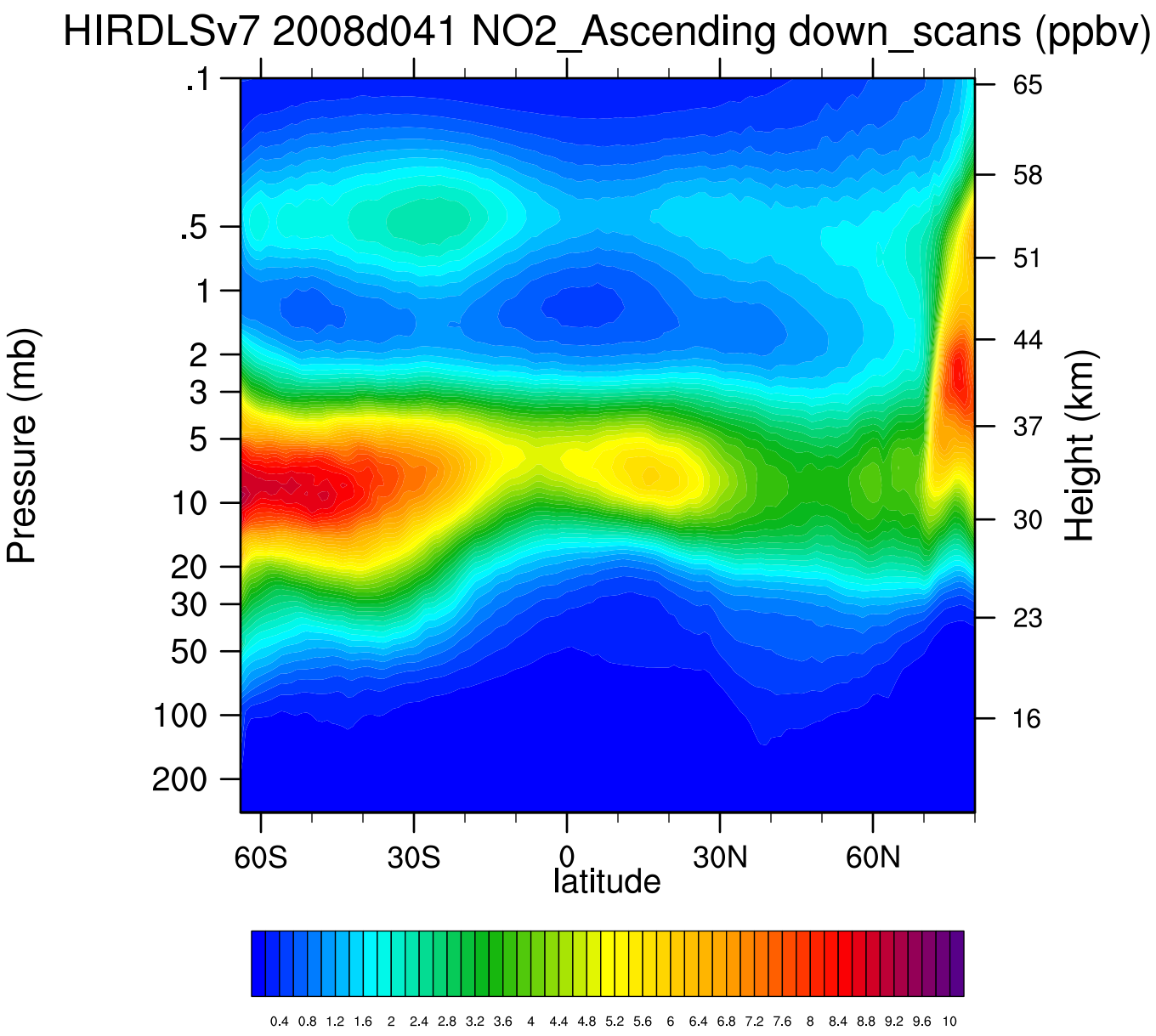
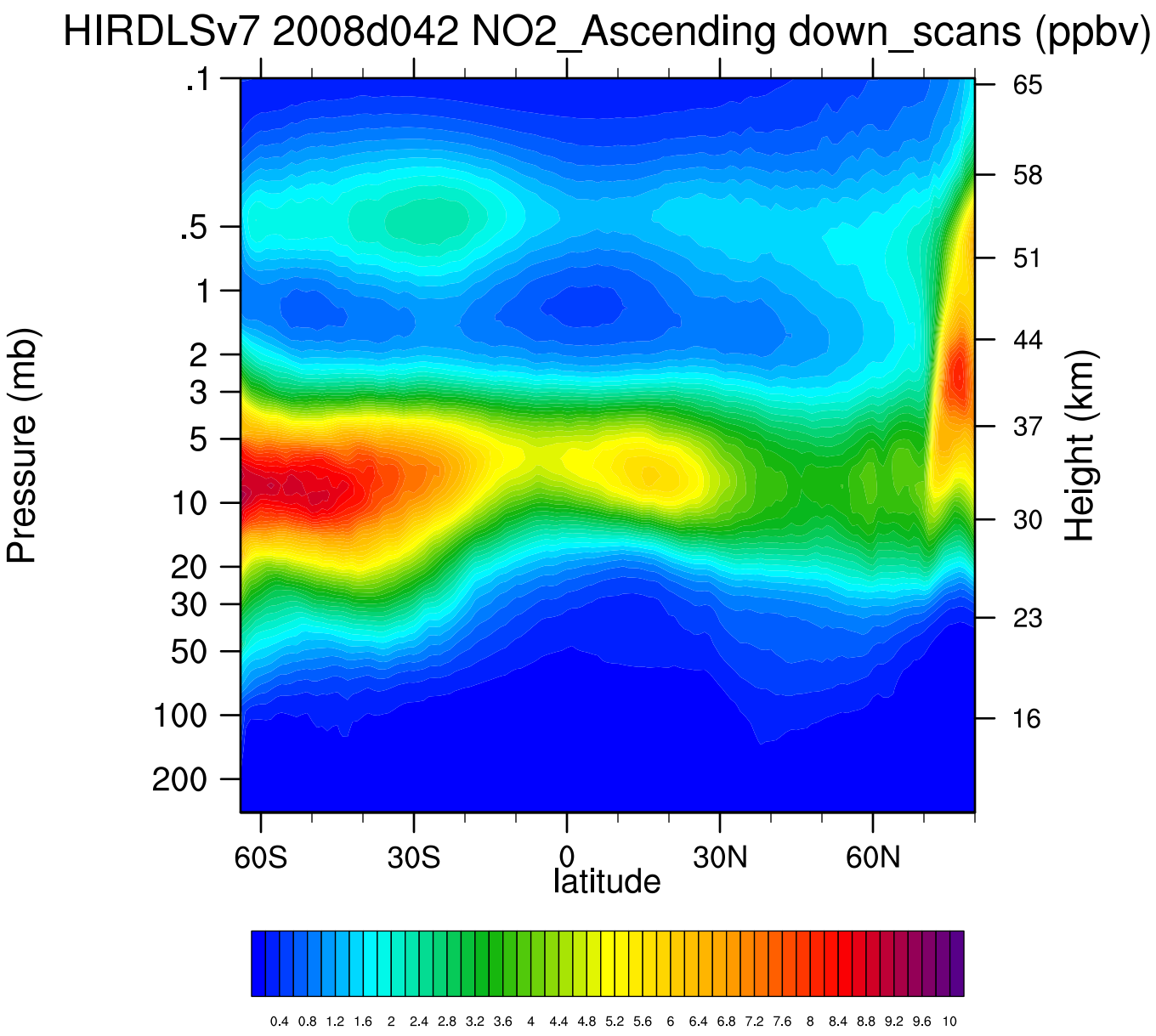
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2008d040 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2008d041 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2008d042 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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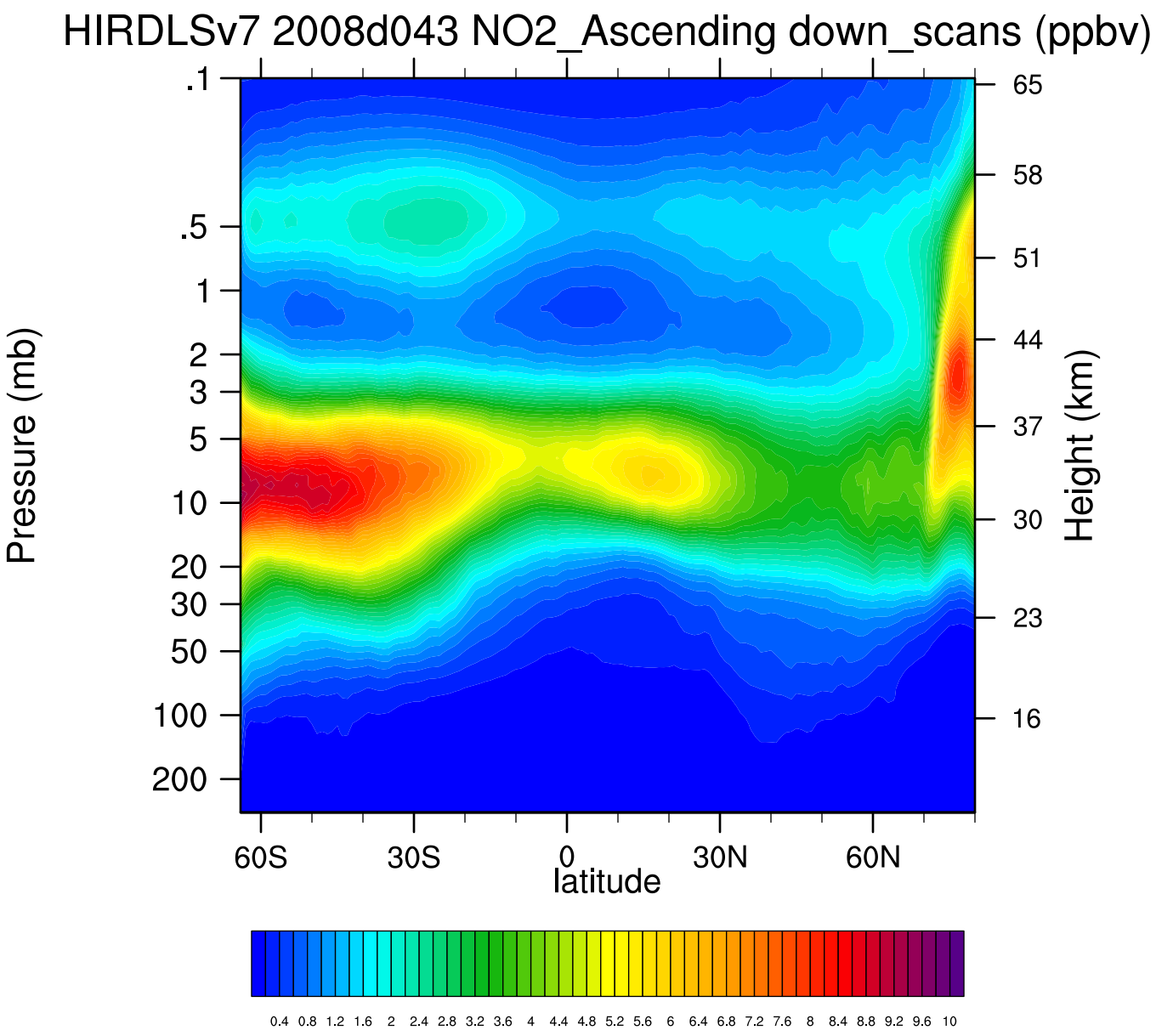
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2008d043 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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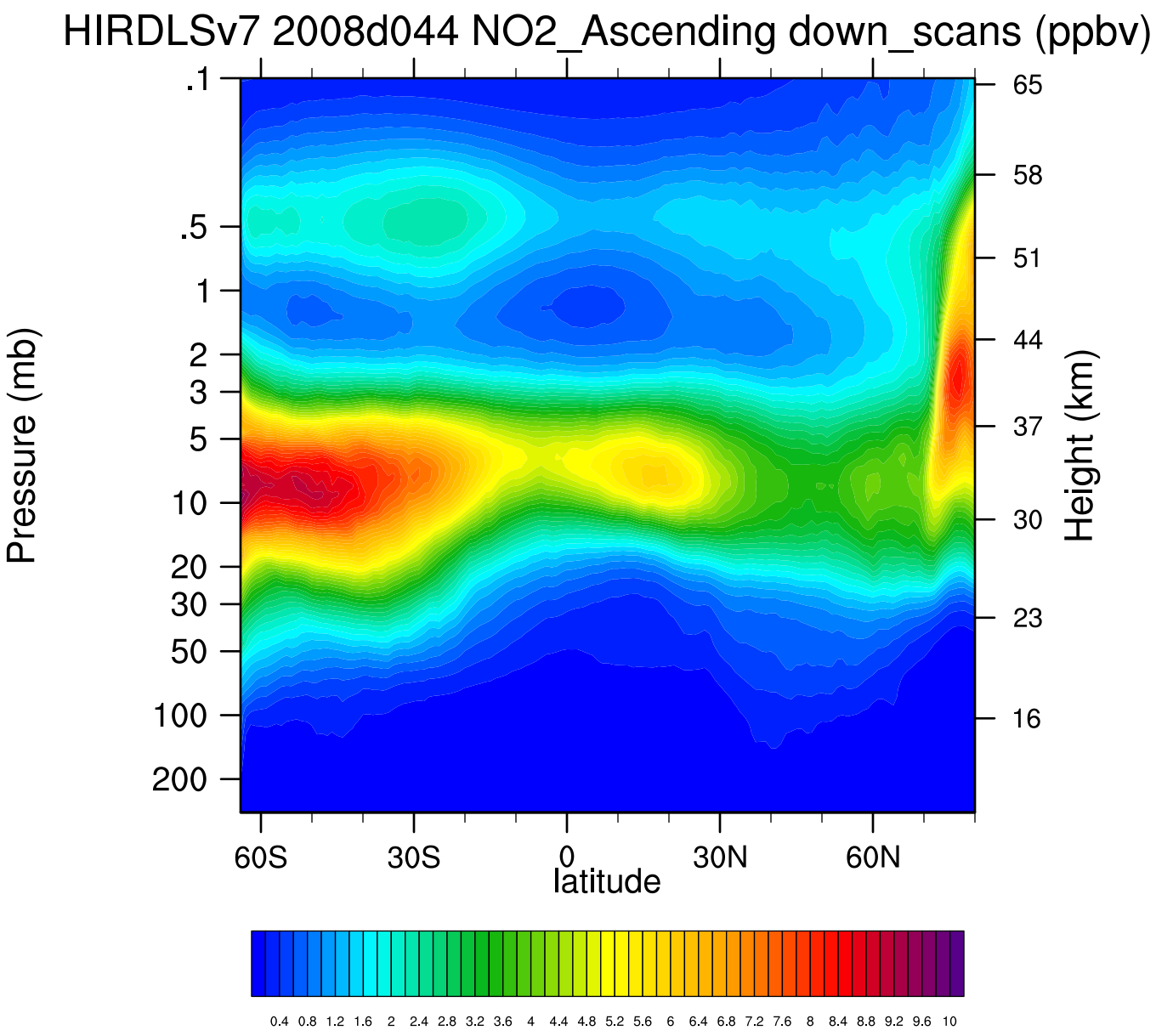
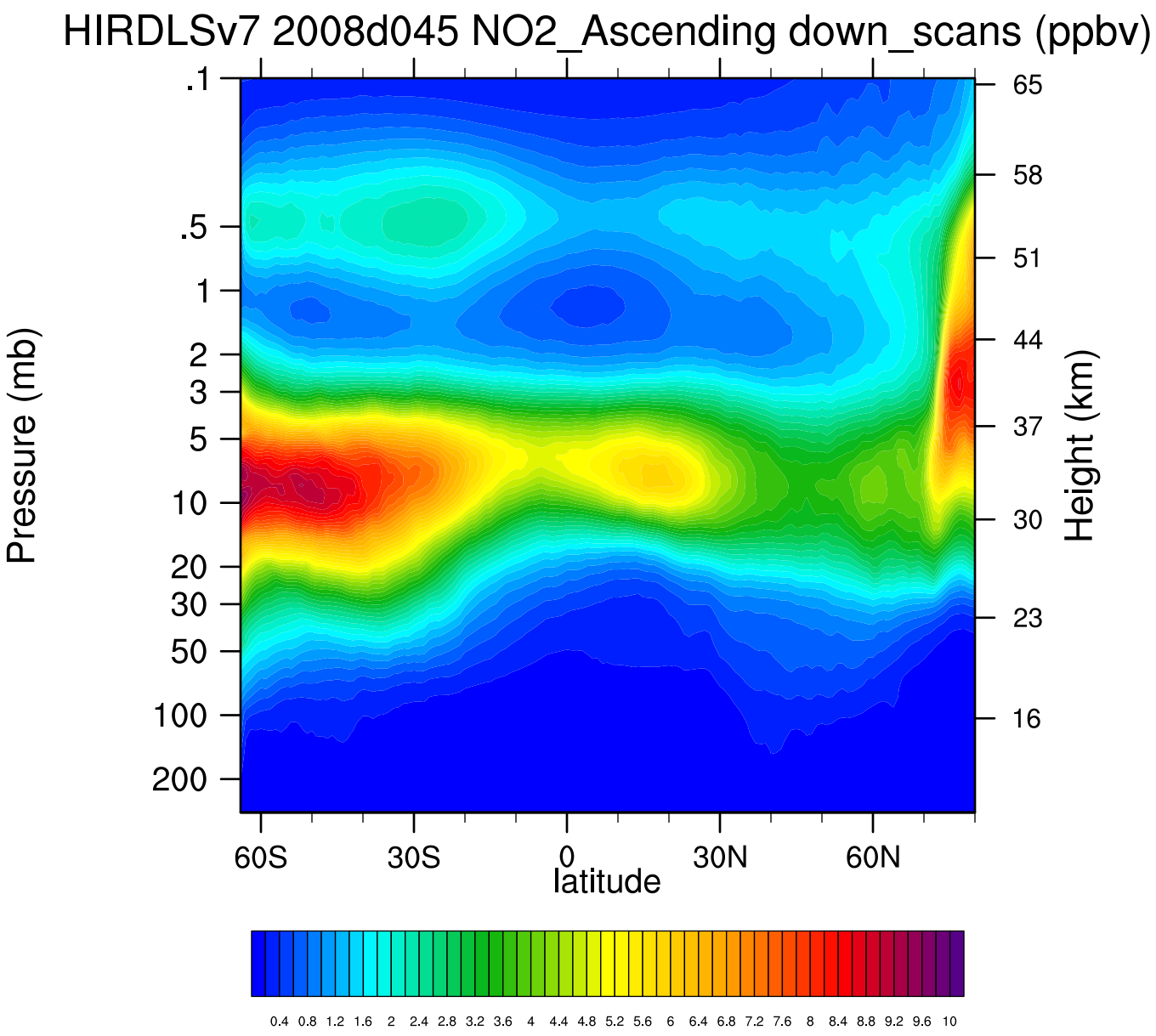
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2008d044 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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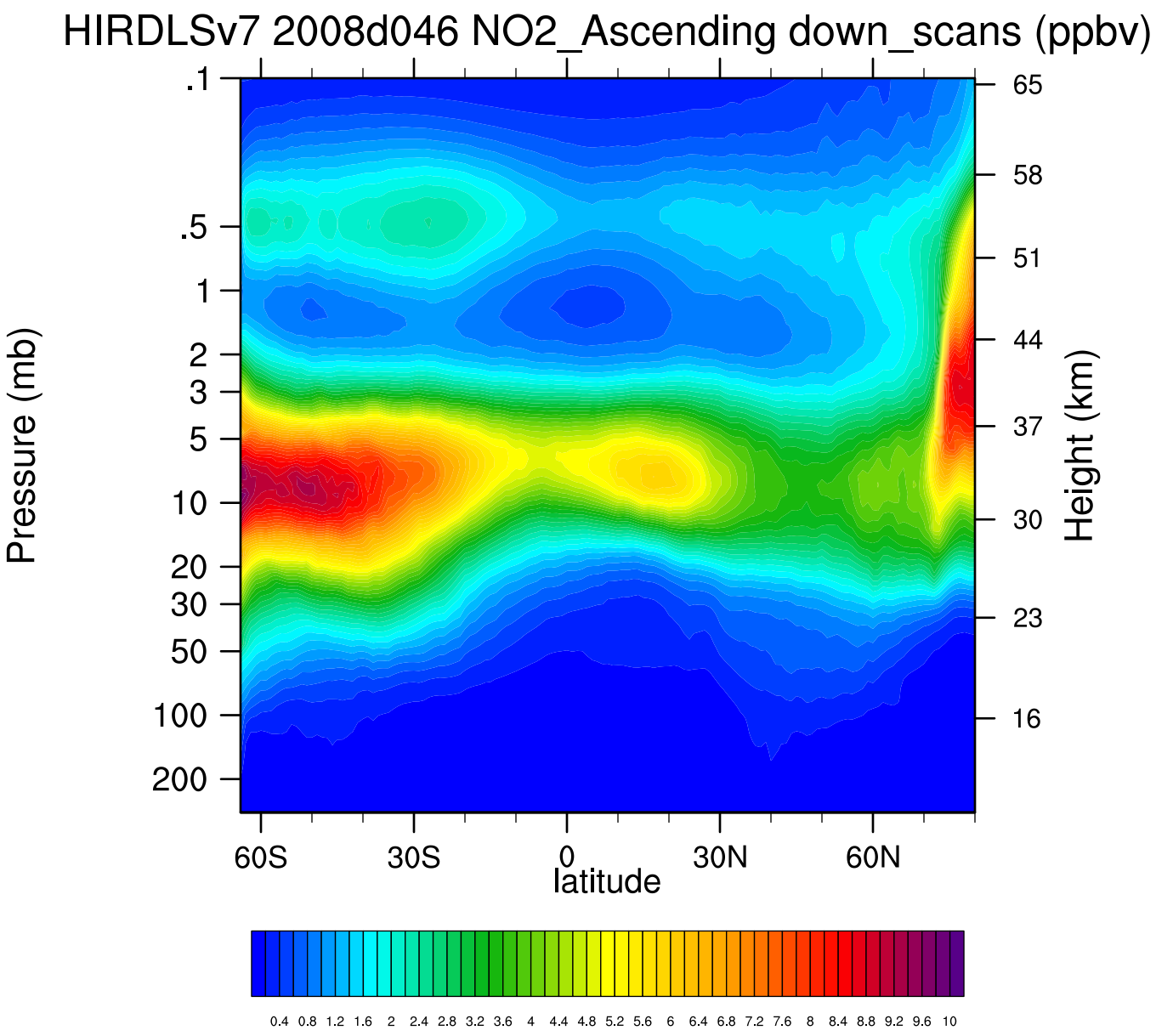
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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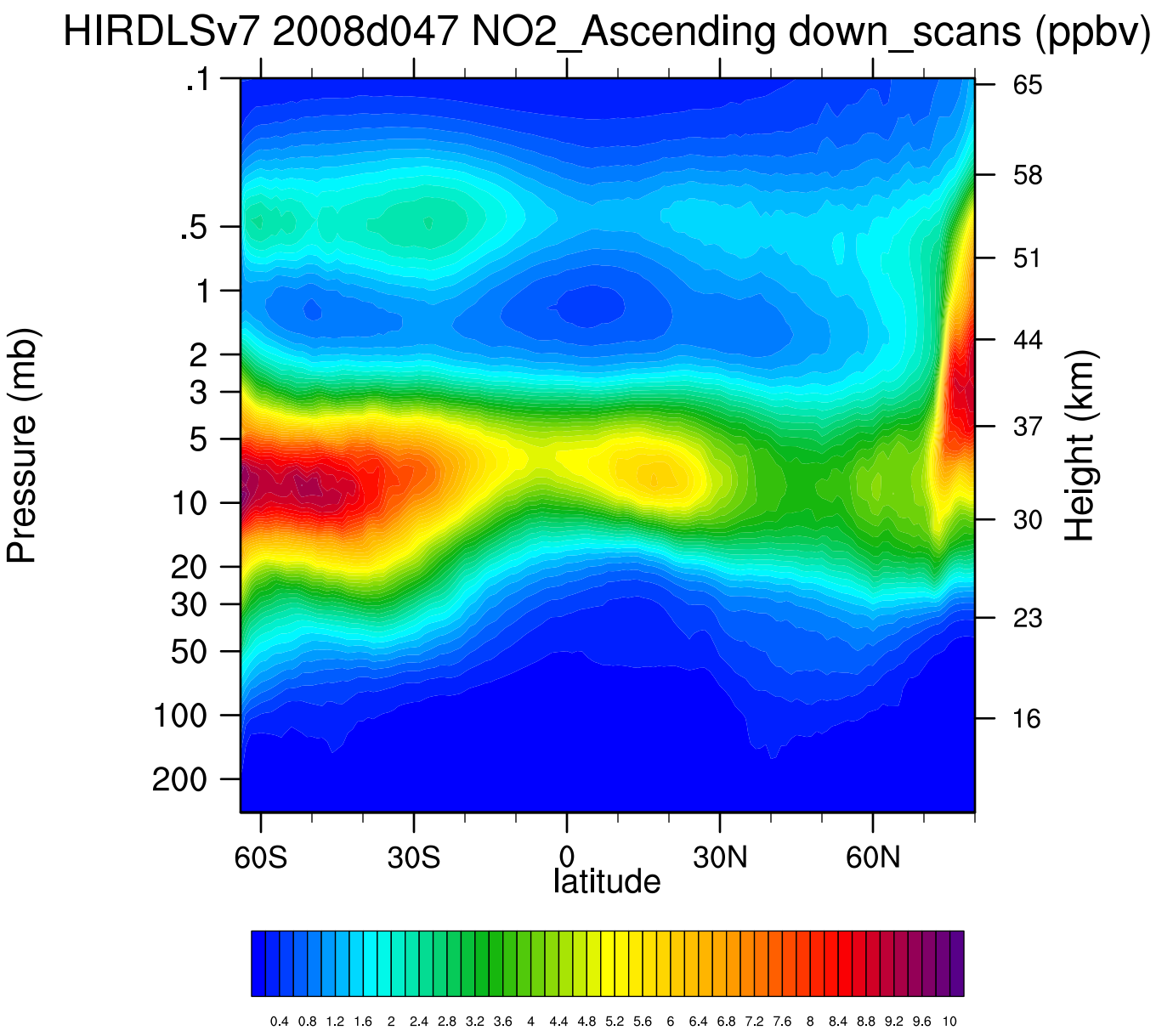
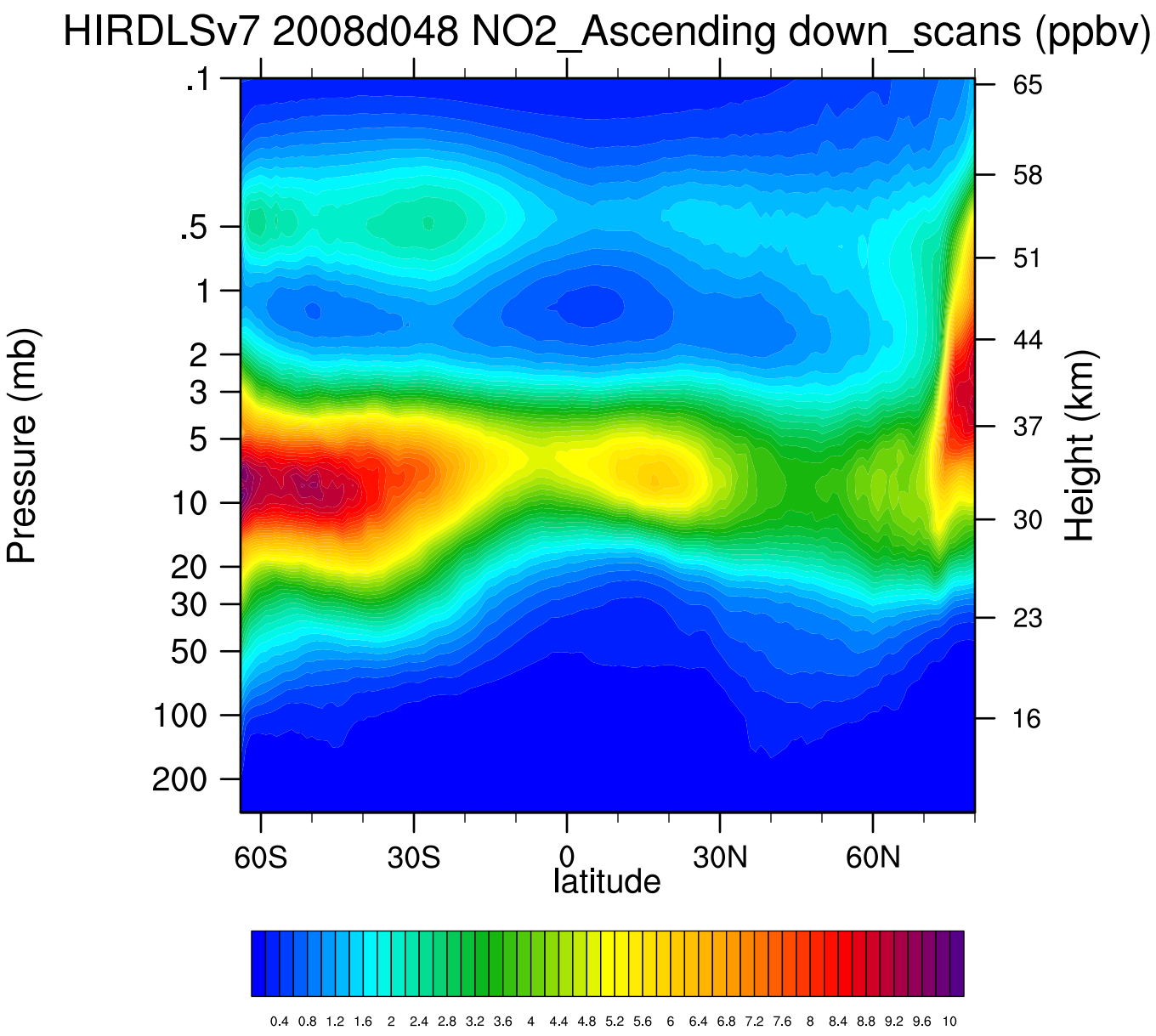
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2008d047 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2008d048 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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.5
1
2
3
5
10
20
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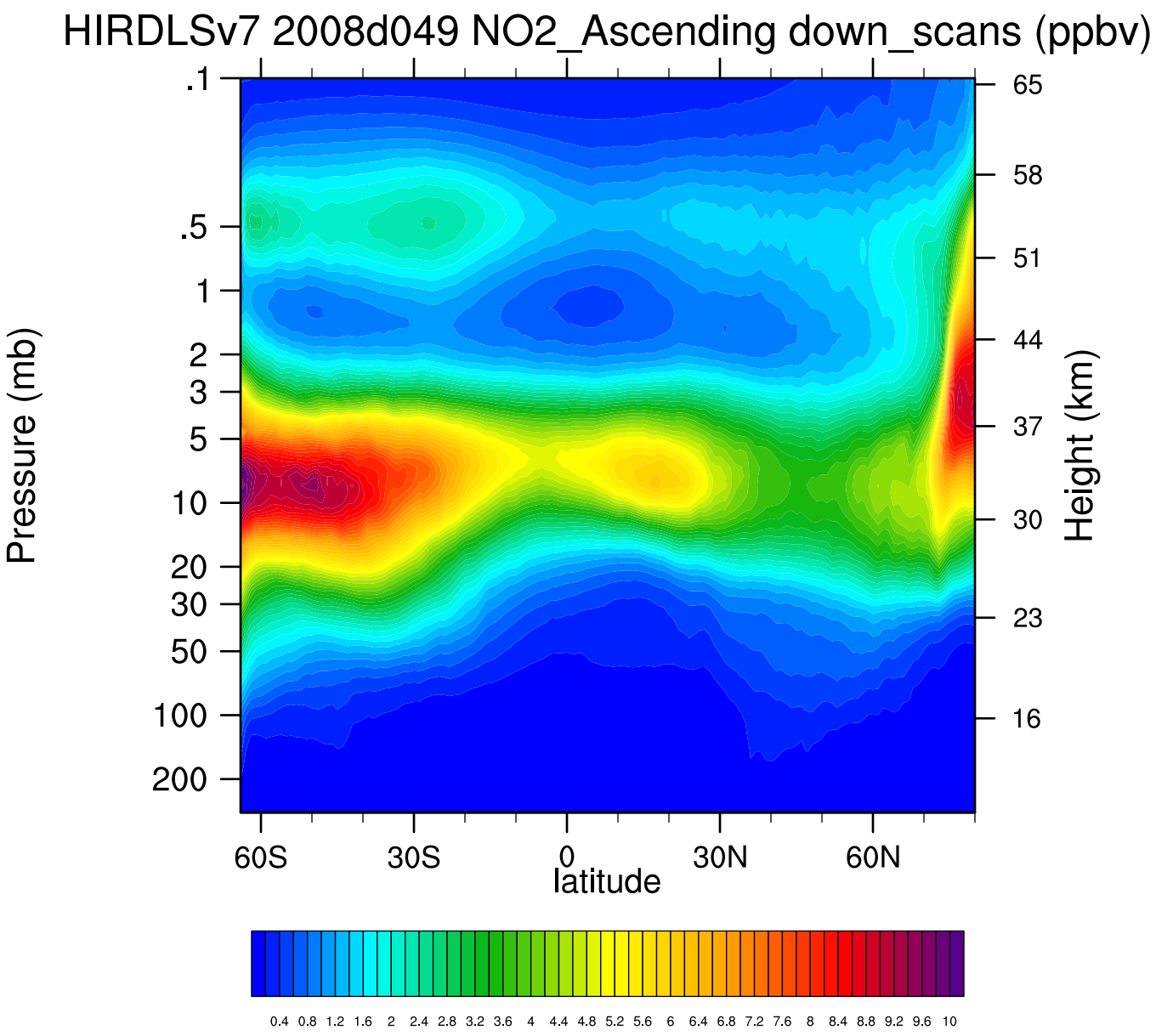
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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.5
1
2
3
5
10
20
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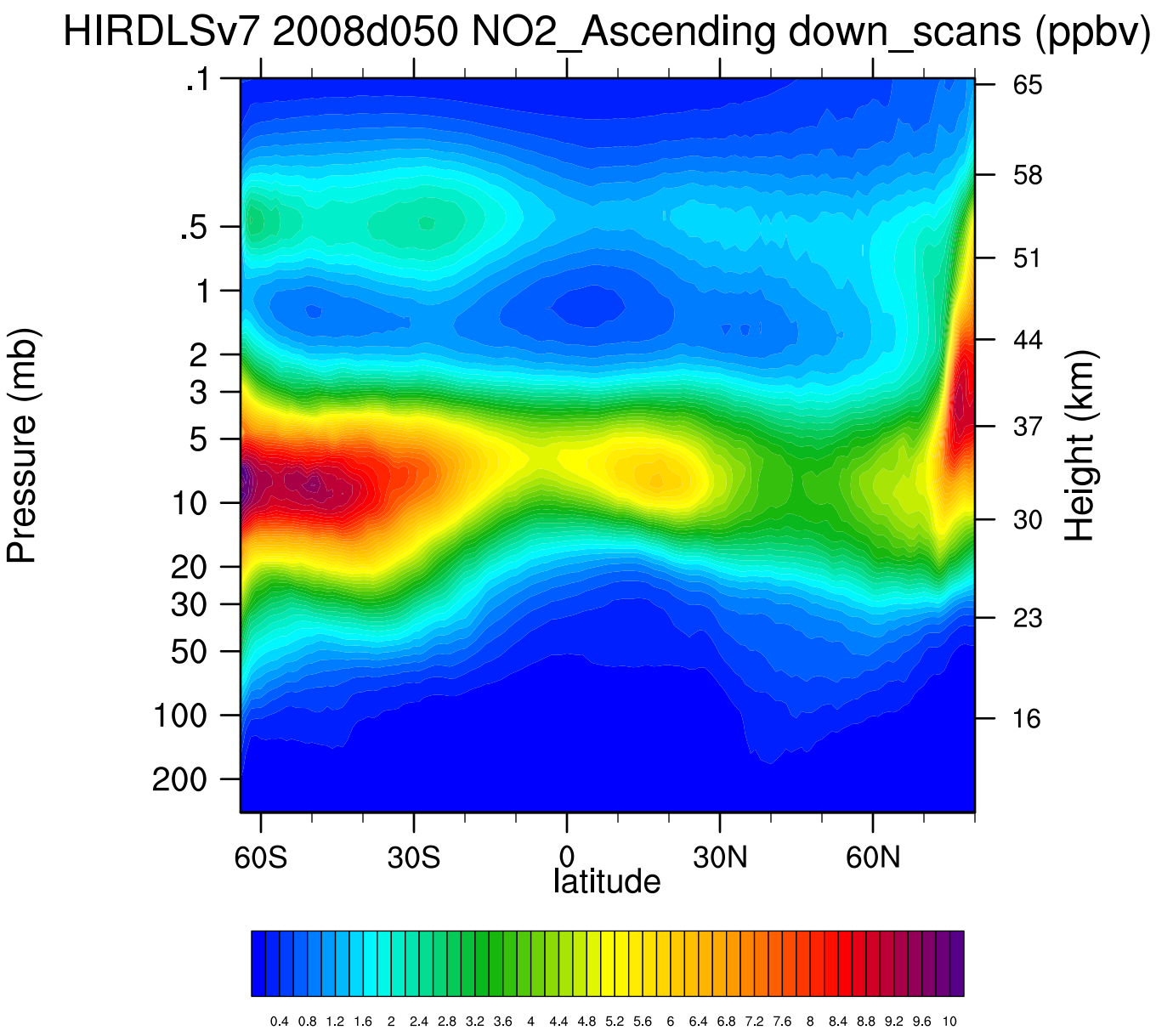
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2008d050 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
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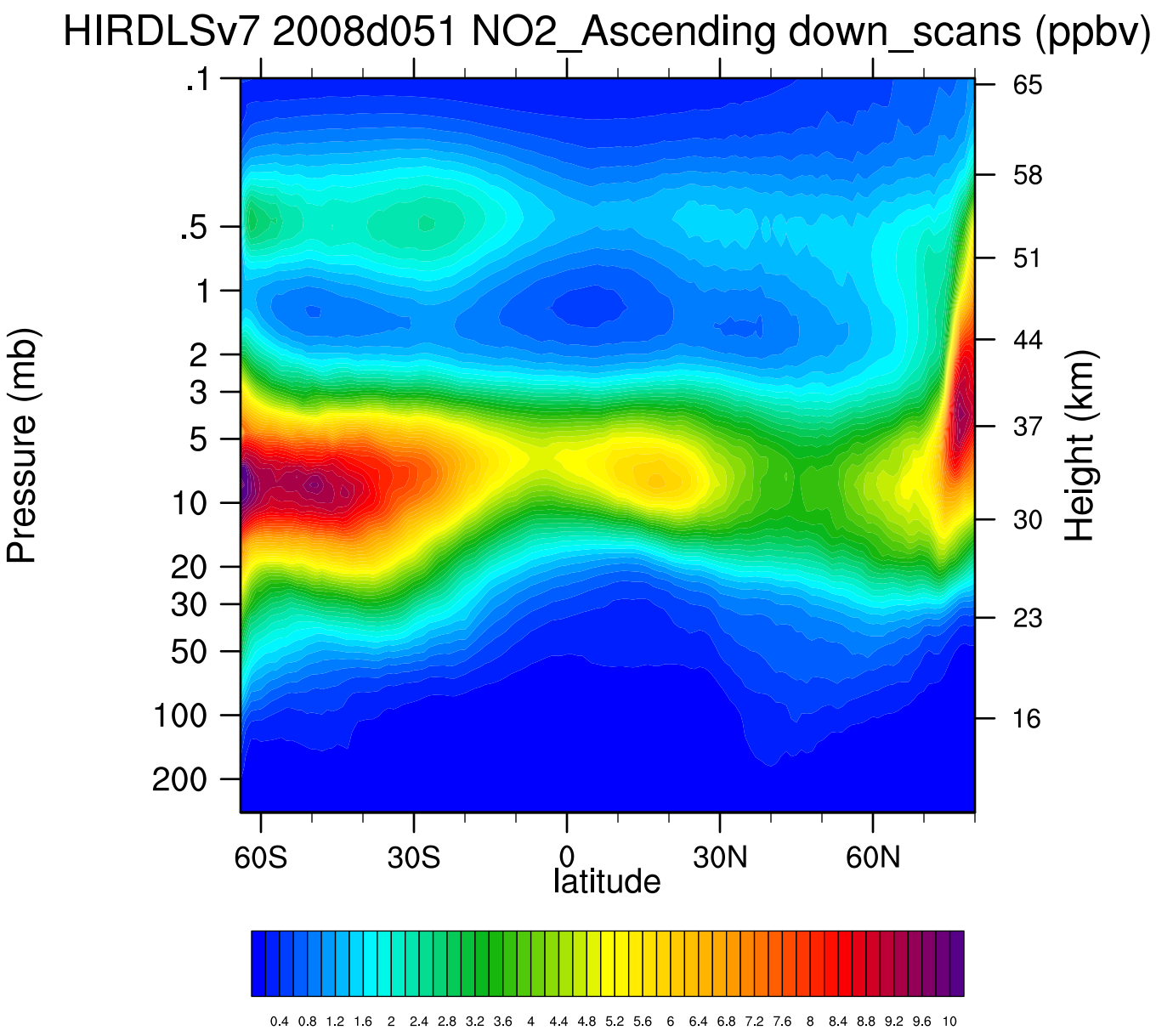
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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.5
1
2
3
5
10
20
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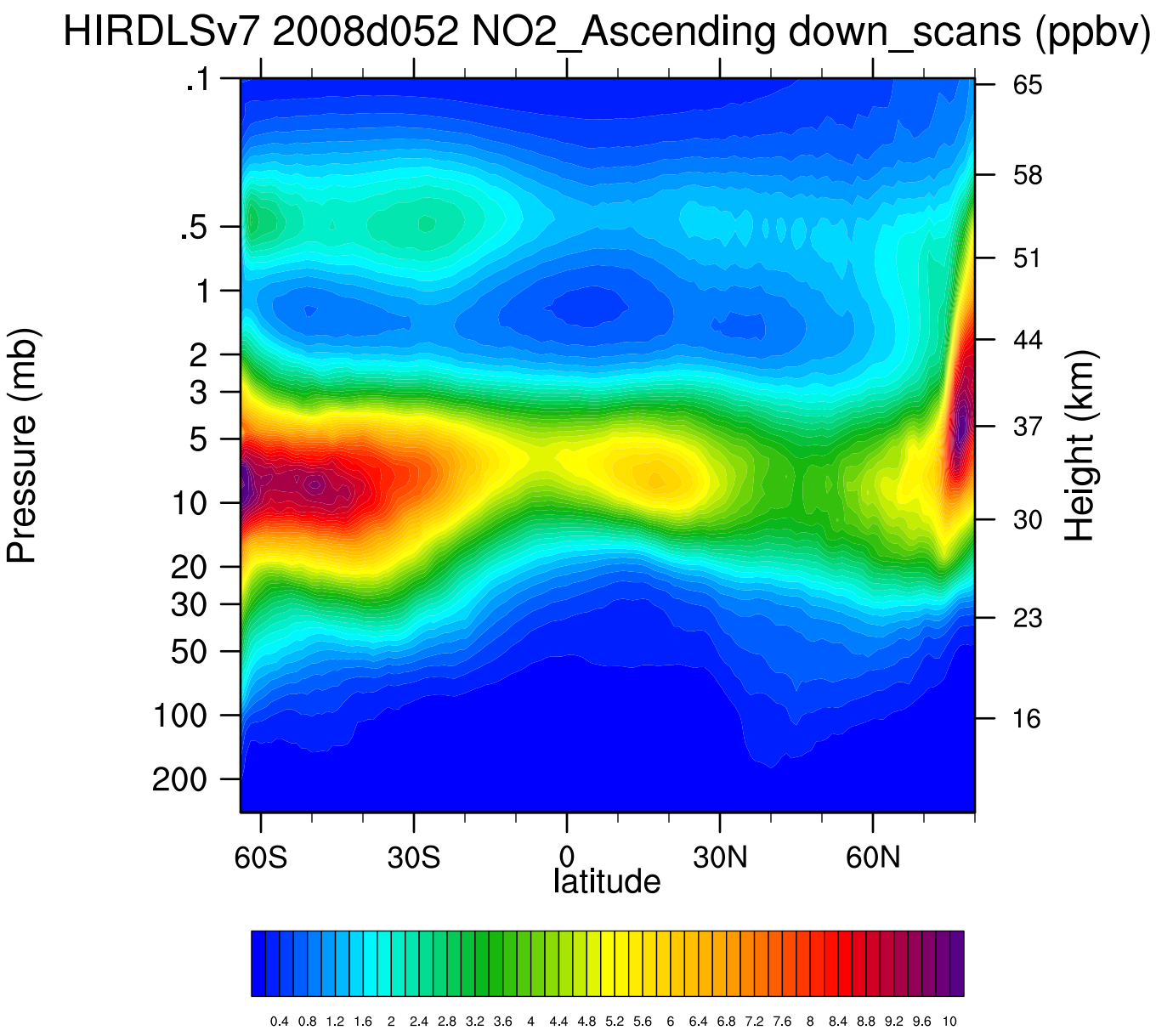
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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.5
1
2
3
5
10
20
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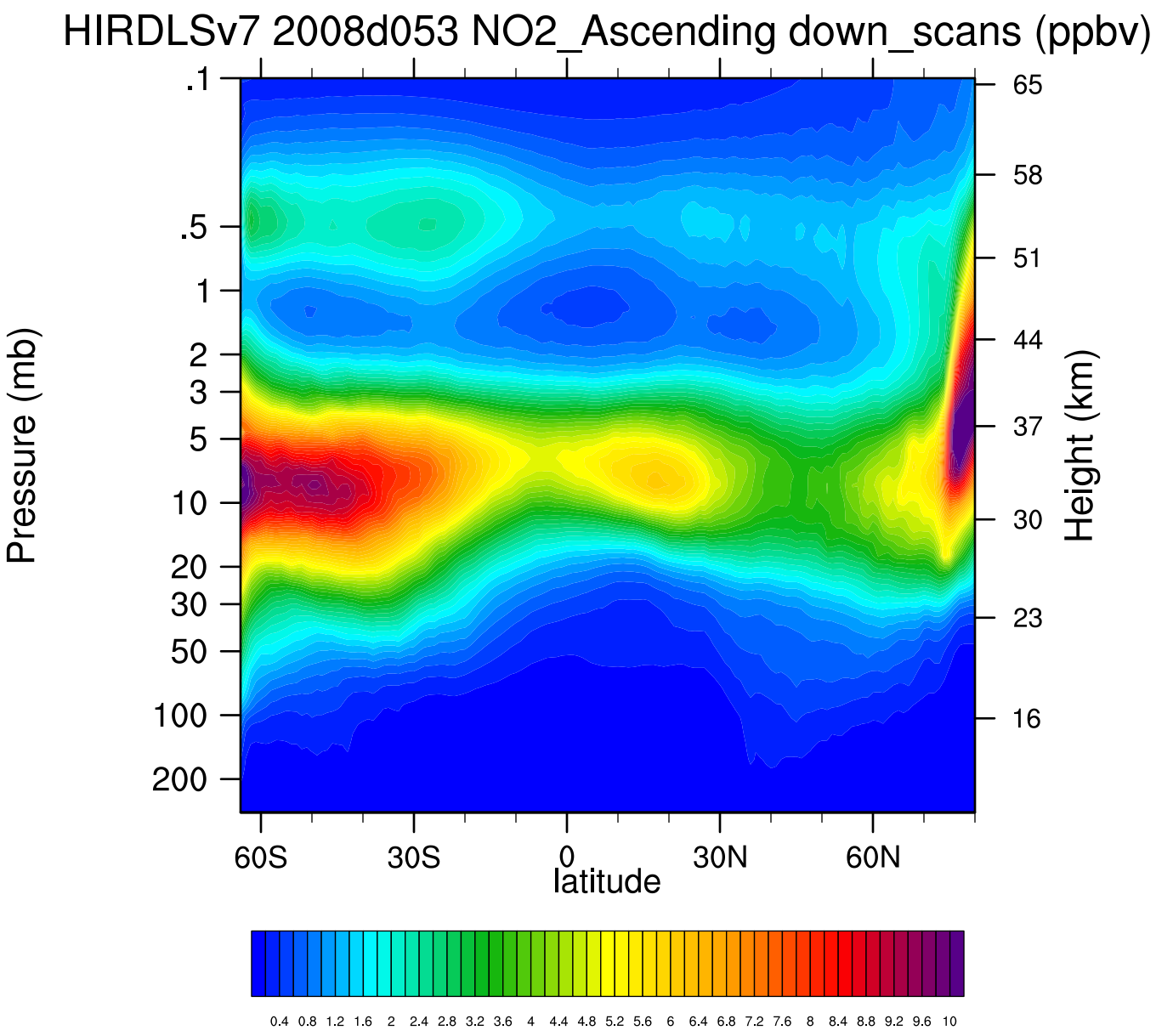
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2008d053 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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.5
1
2
3
5
10
20
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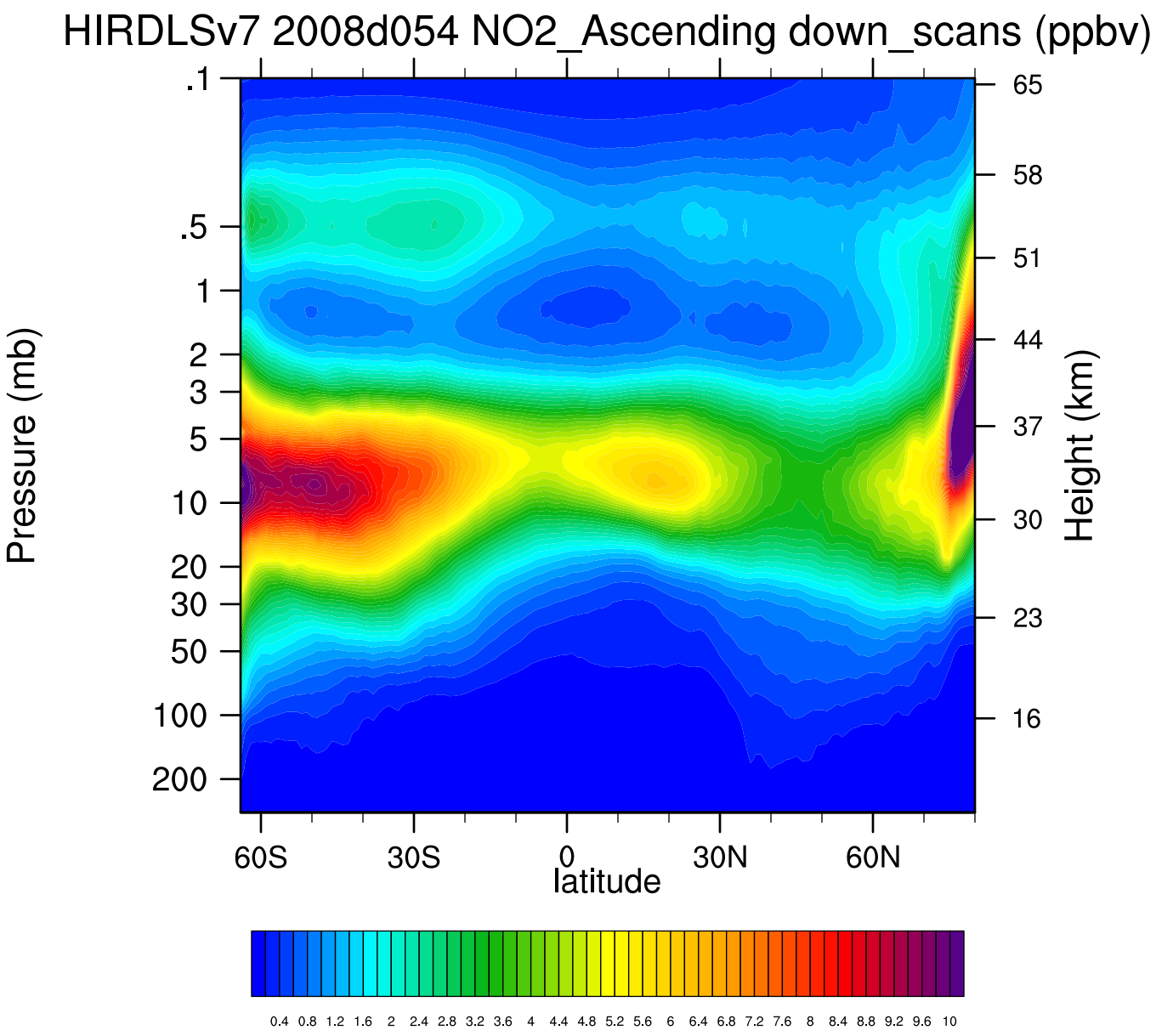
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2008d054 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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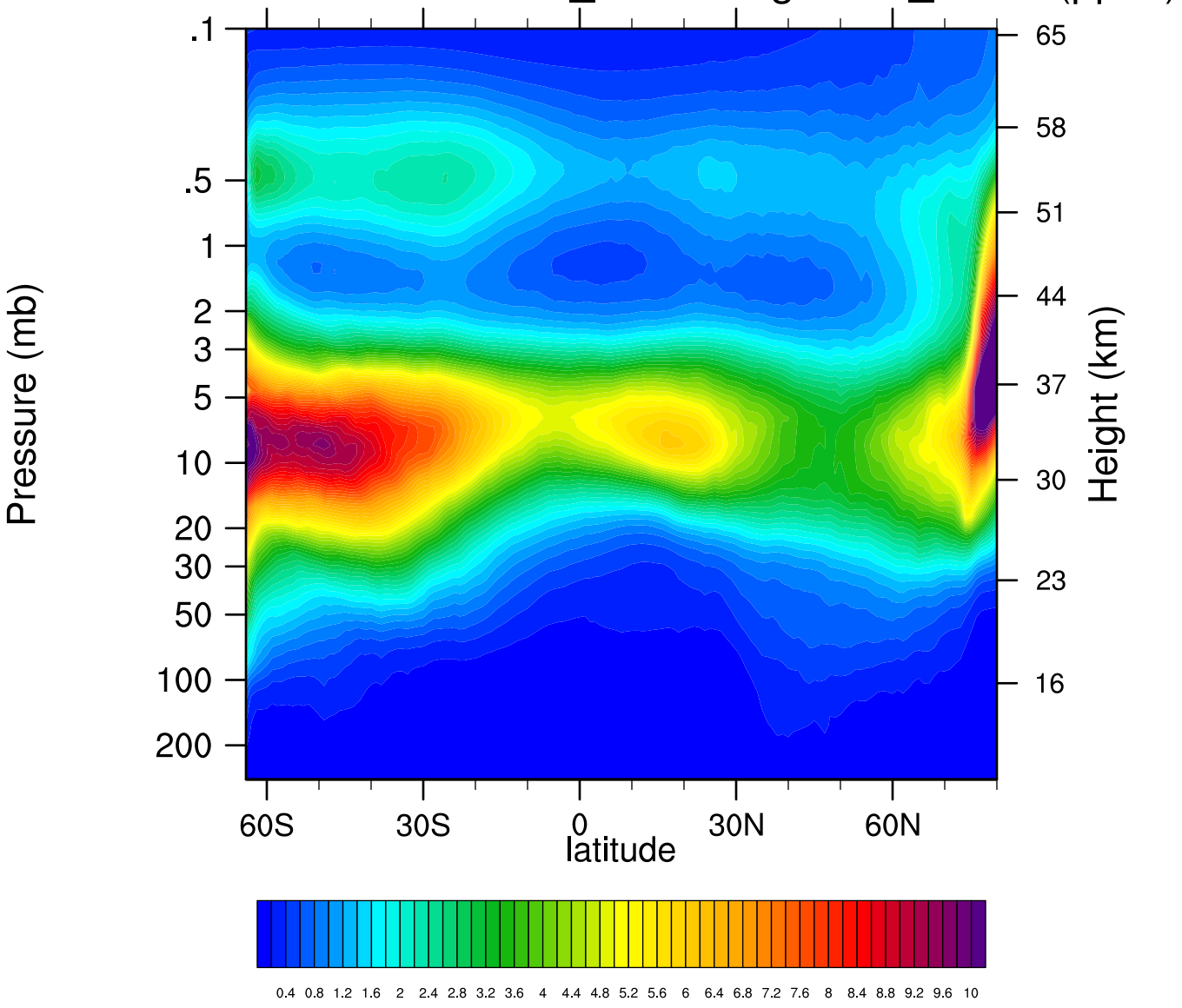
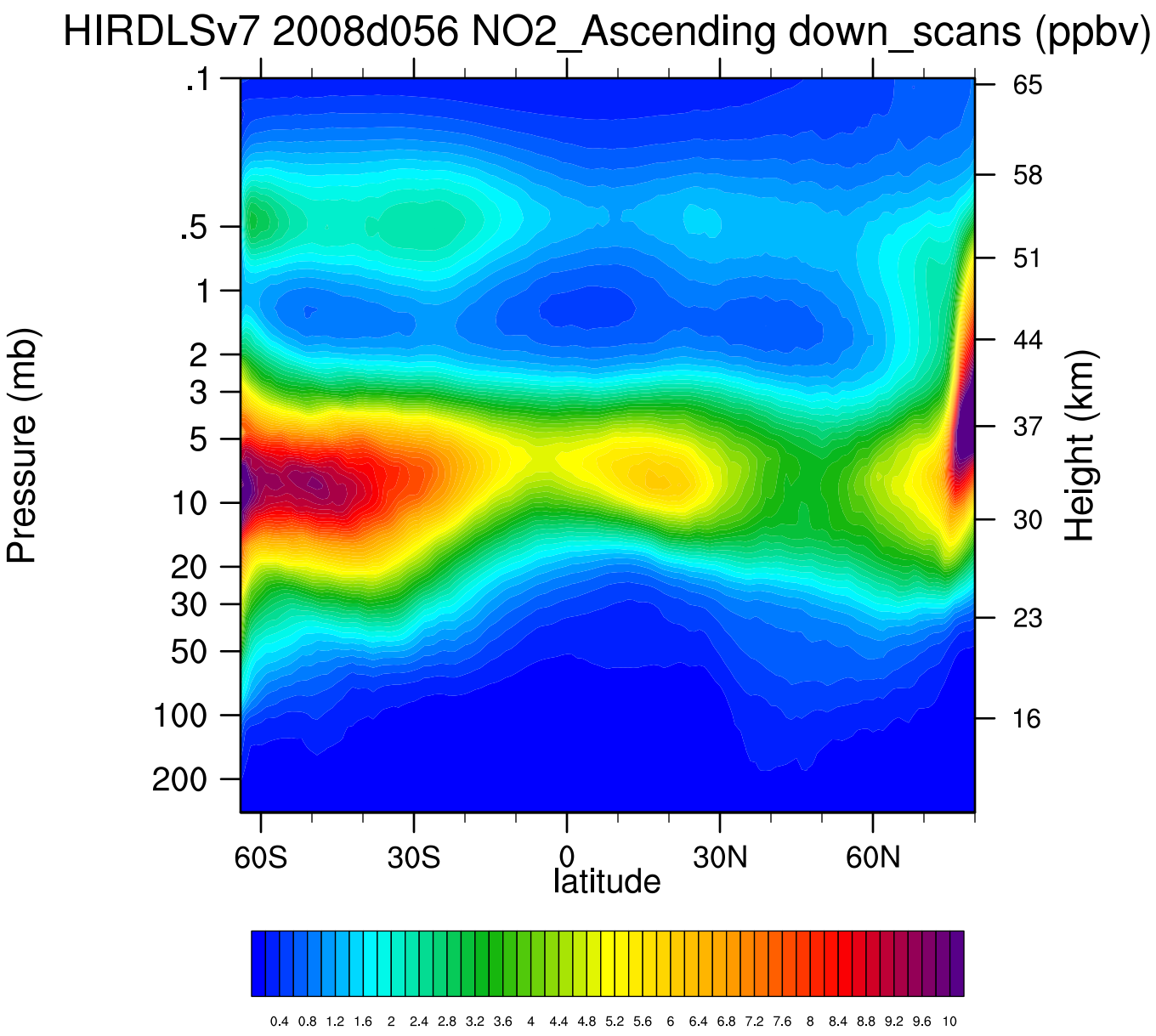
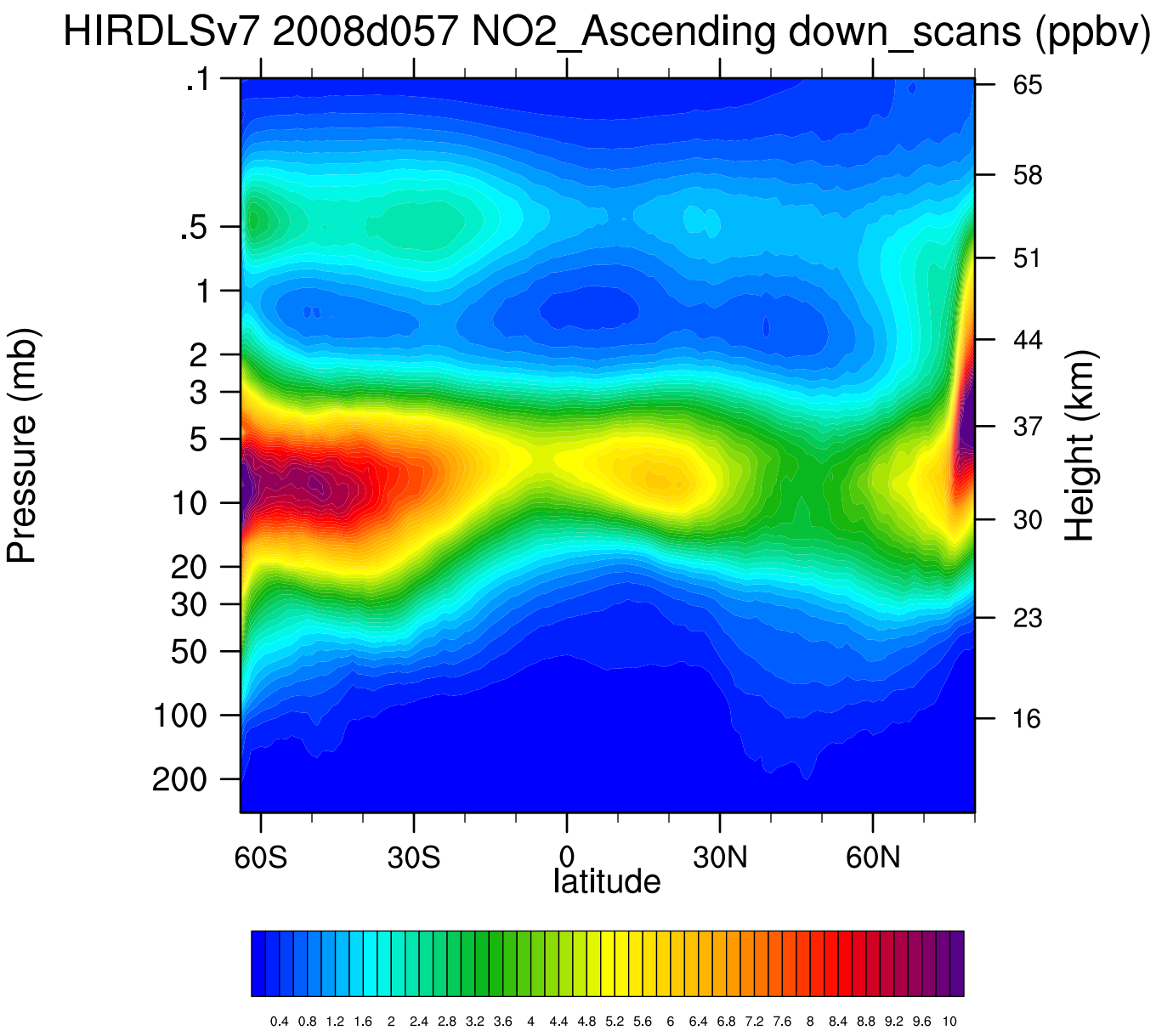
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2008d055 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2008d056 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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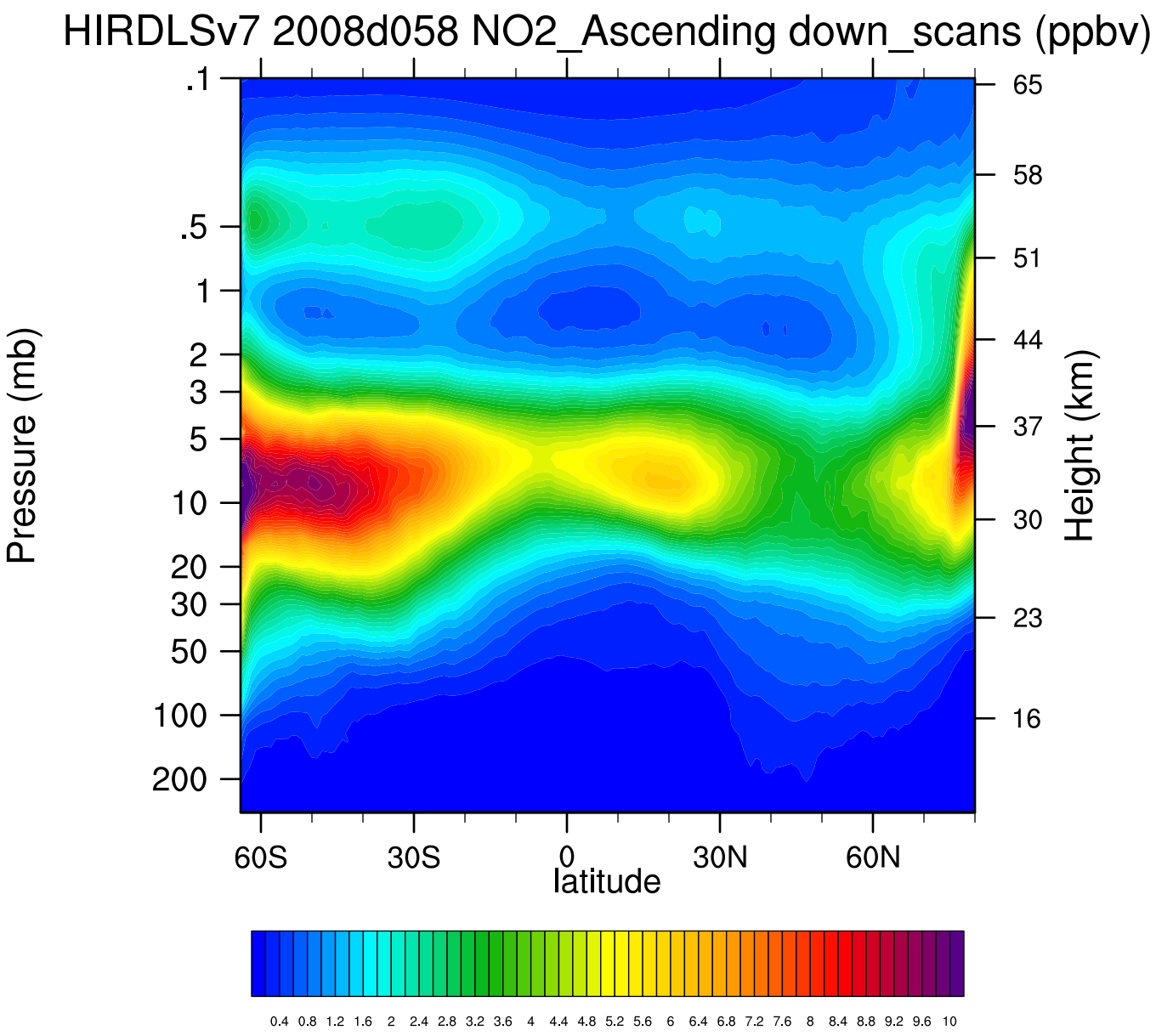
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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.5
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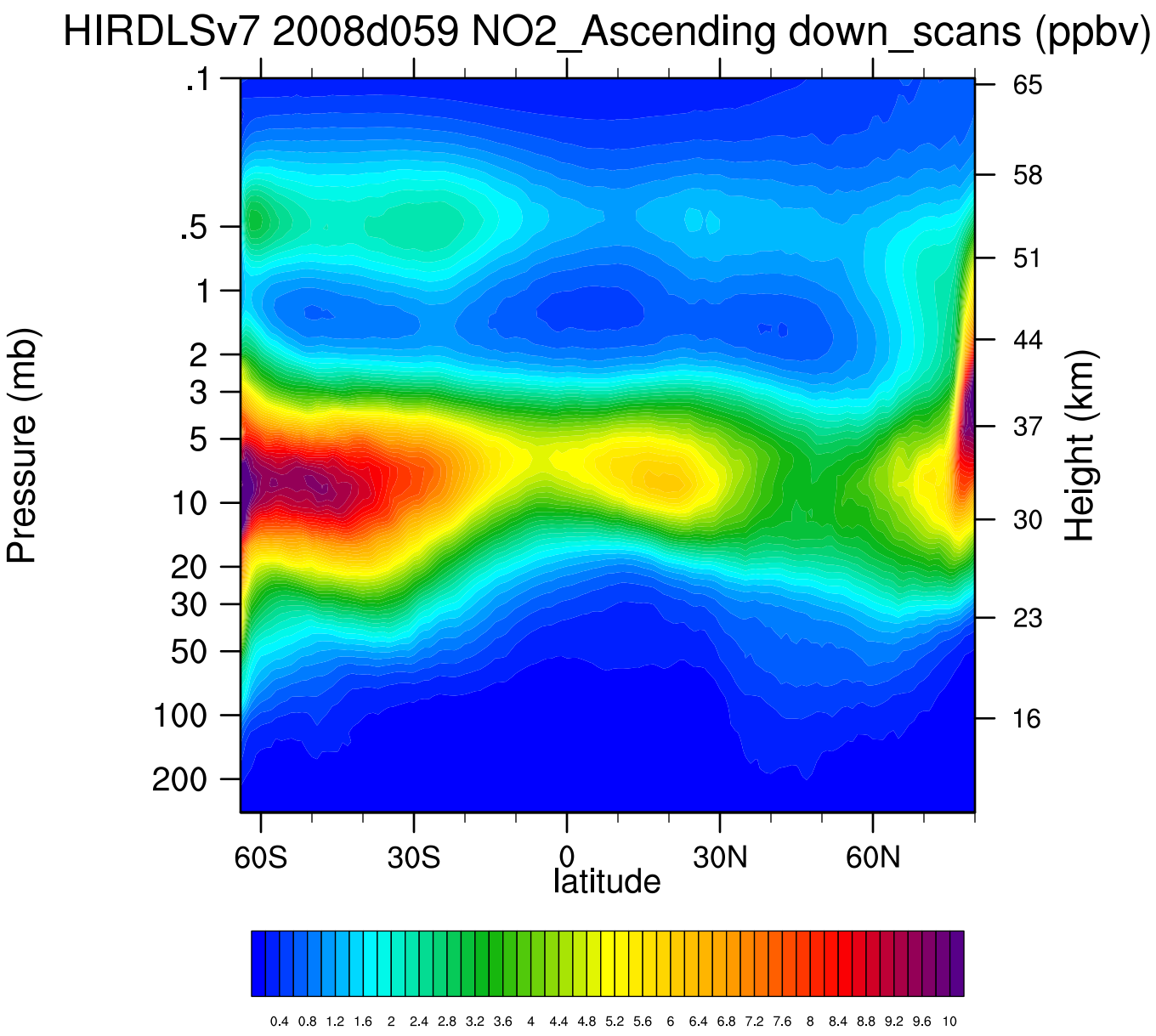
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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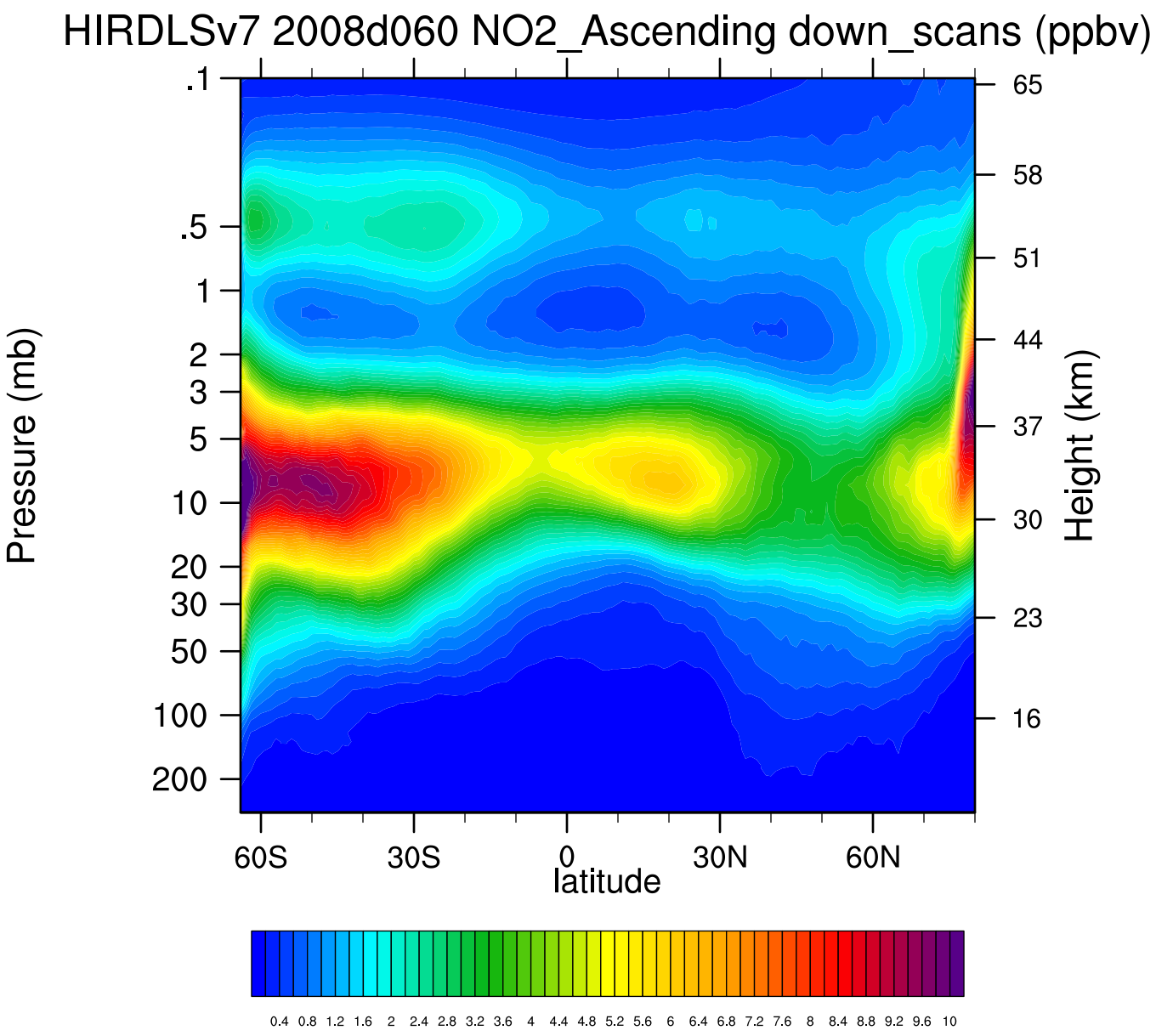
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2008d060 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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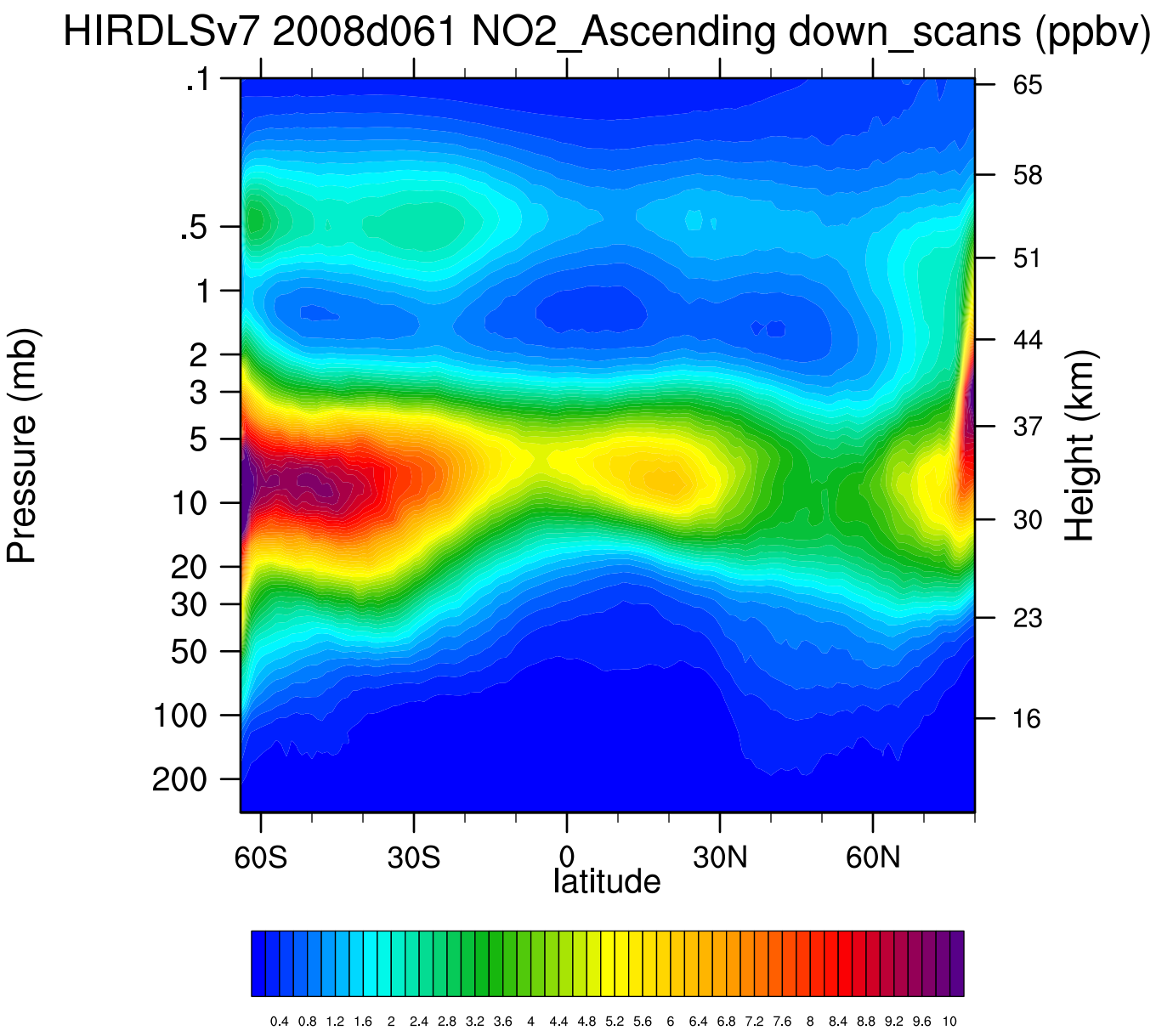
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2008d061 NO2_Ascending down_scans (ppbv)
Pressure (mb)
.1
.5
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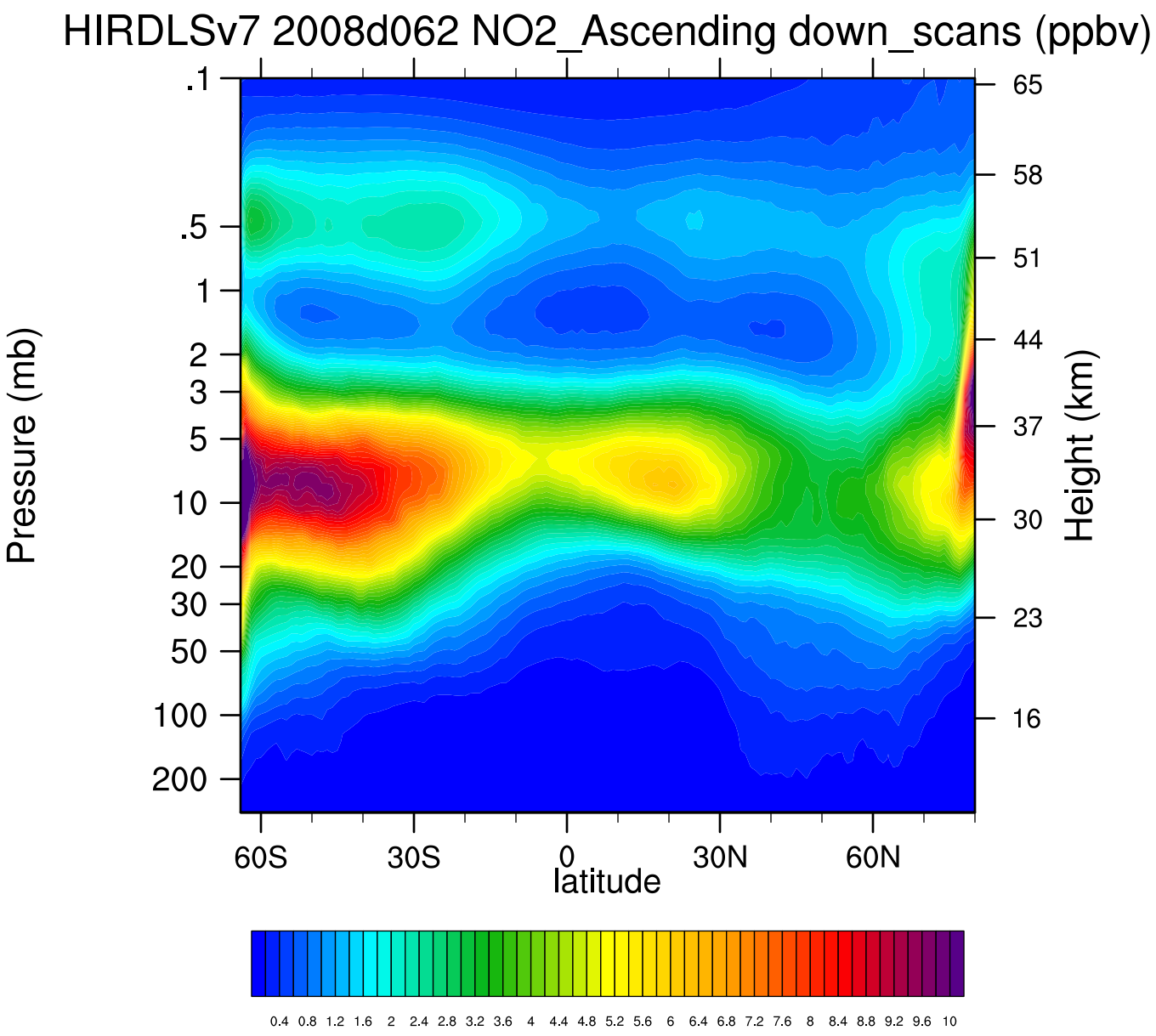
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2008d062 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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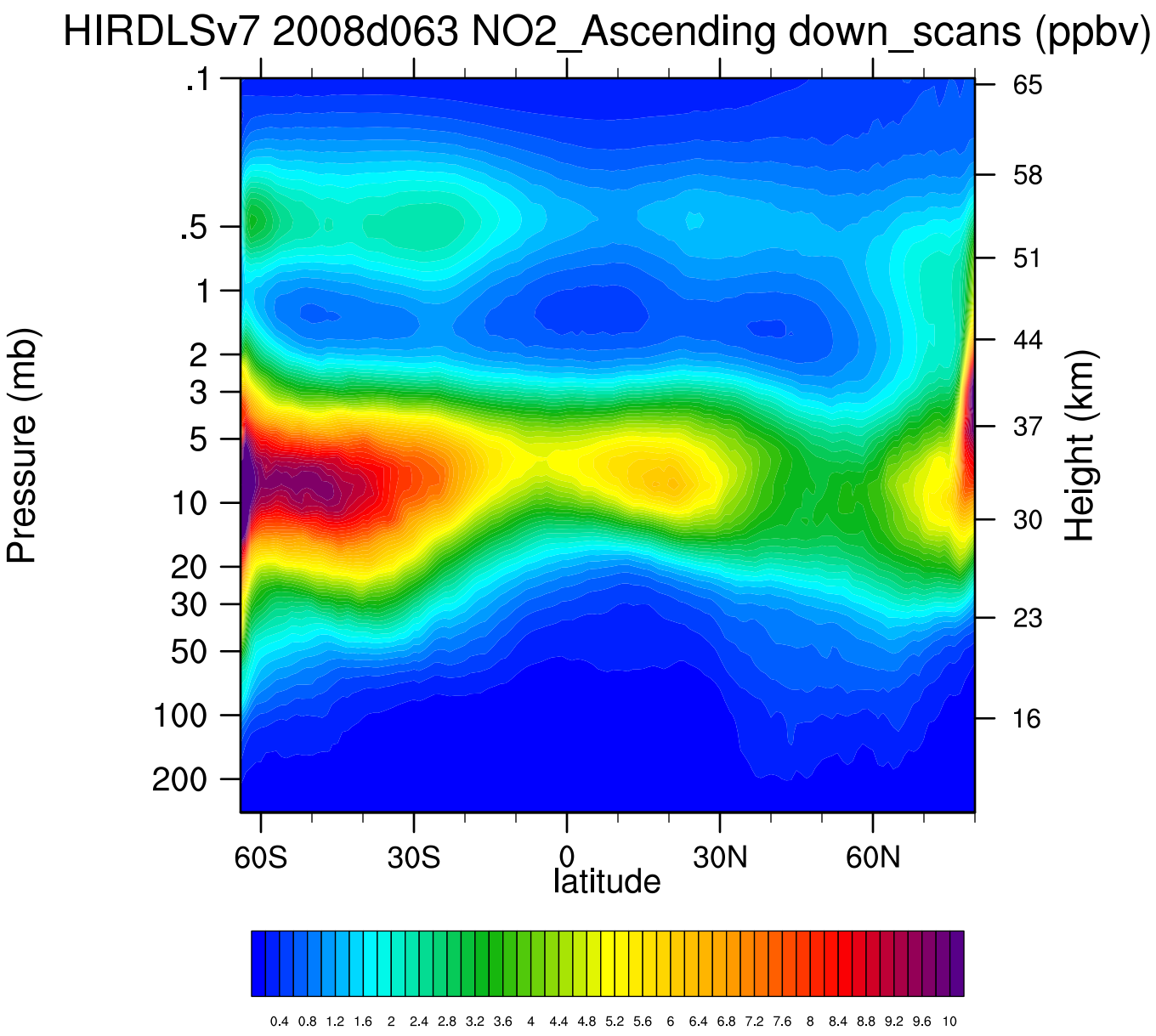
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2008d063 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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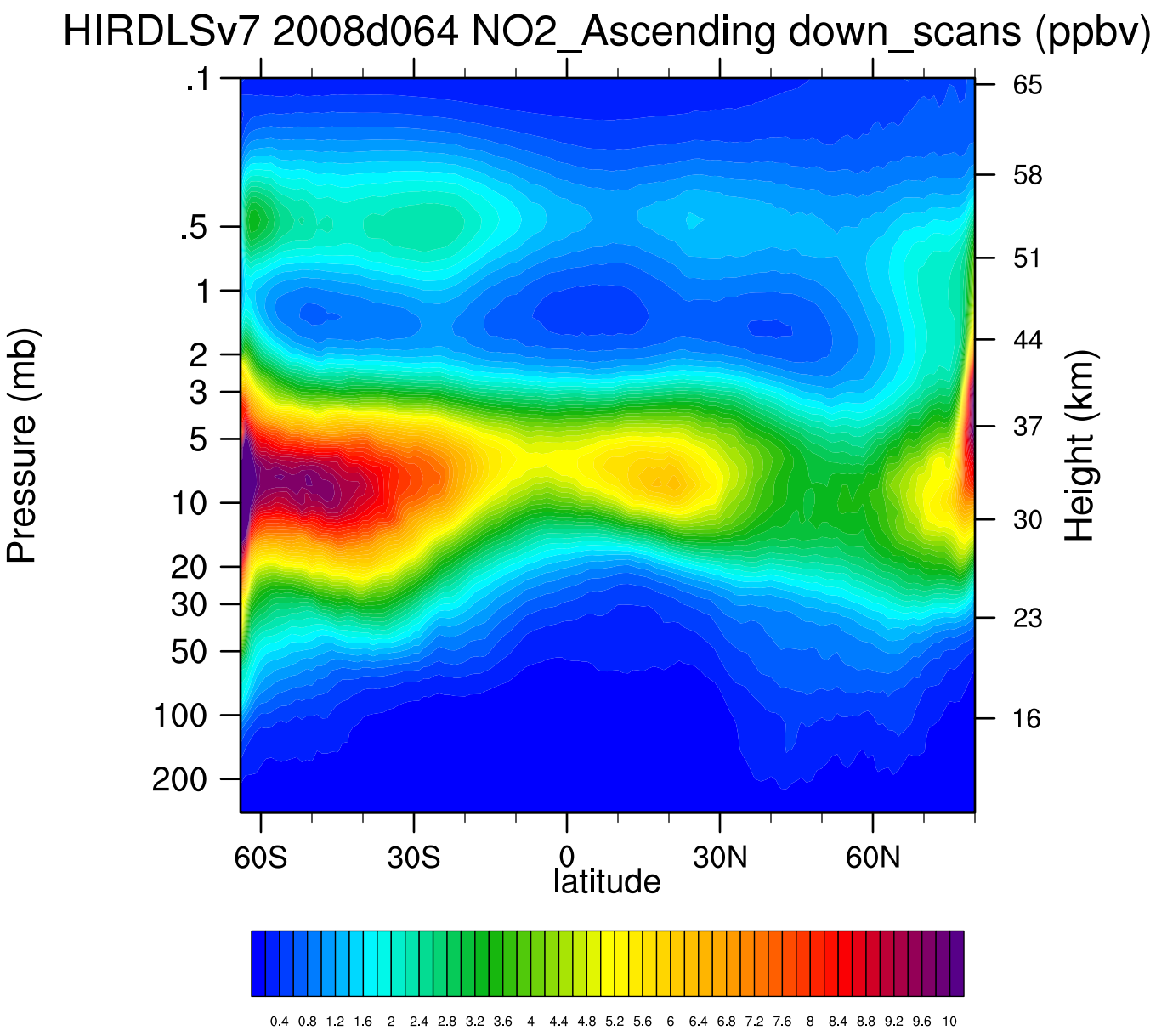
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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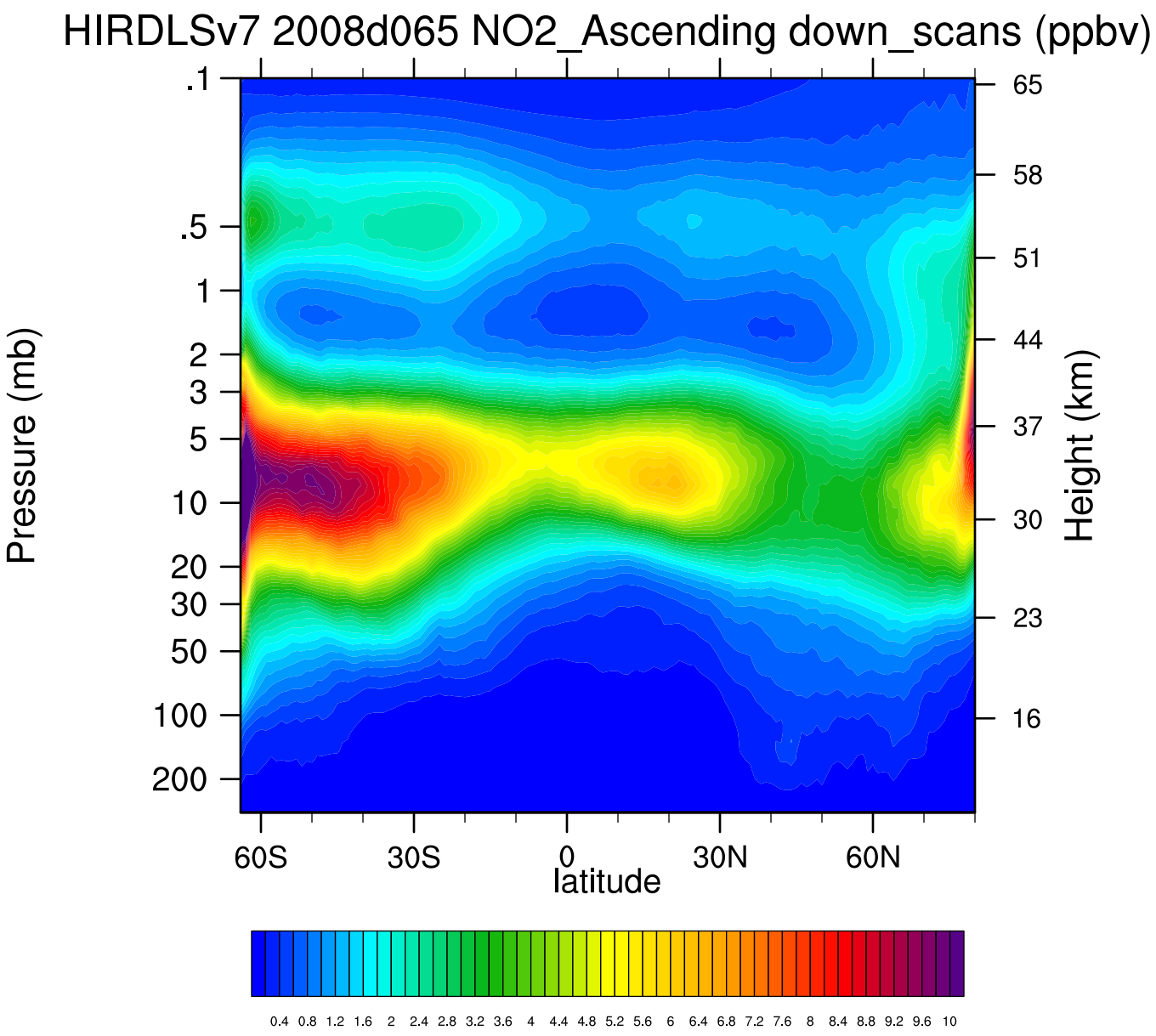
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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.5
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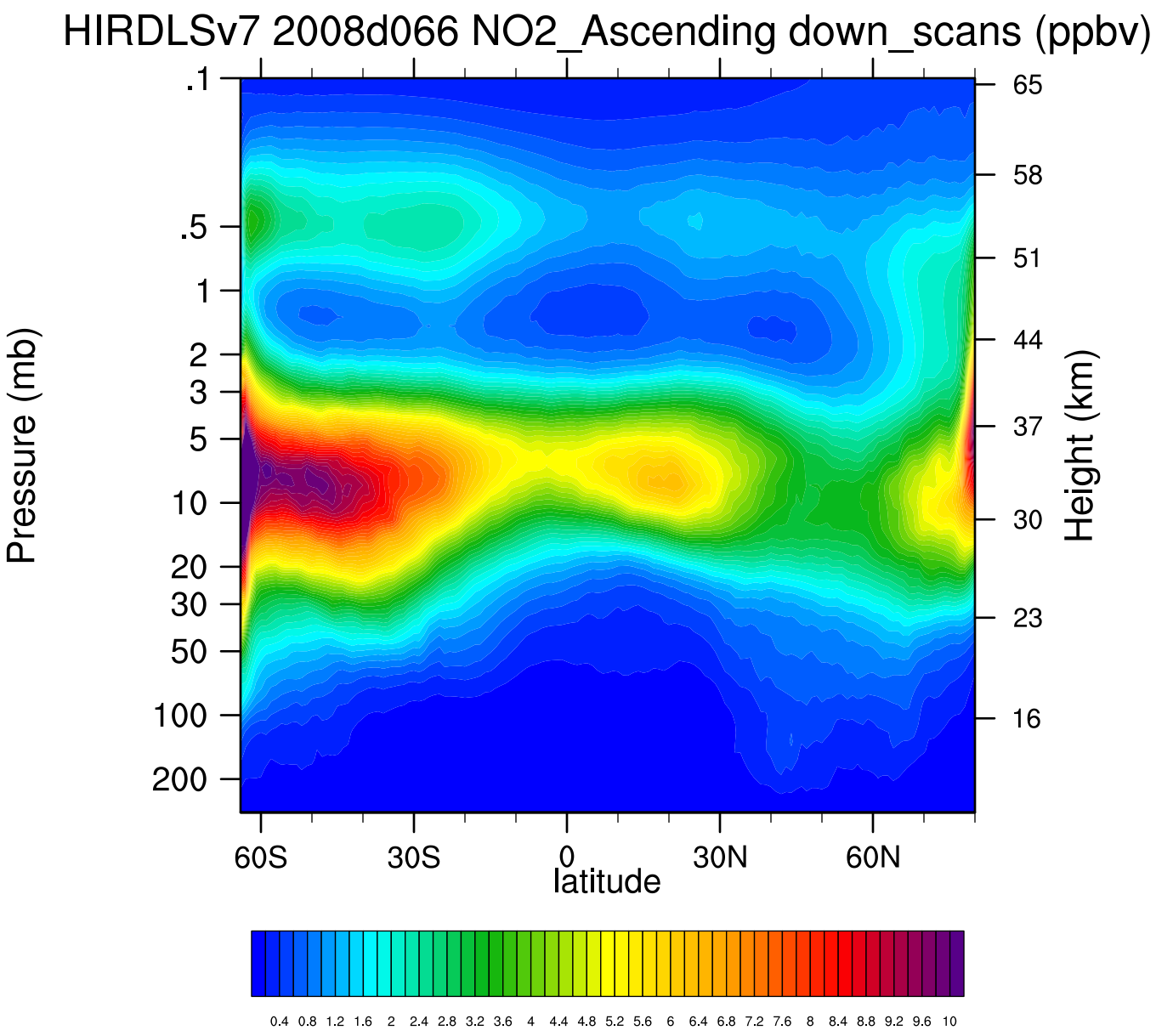
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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.5
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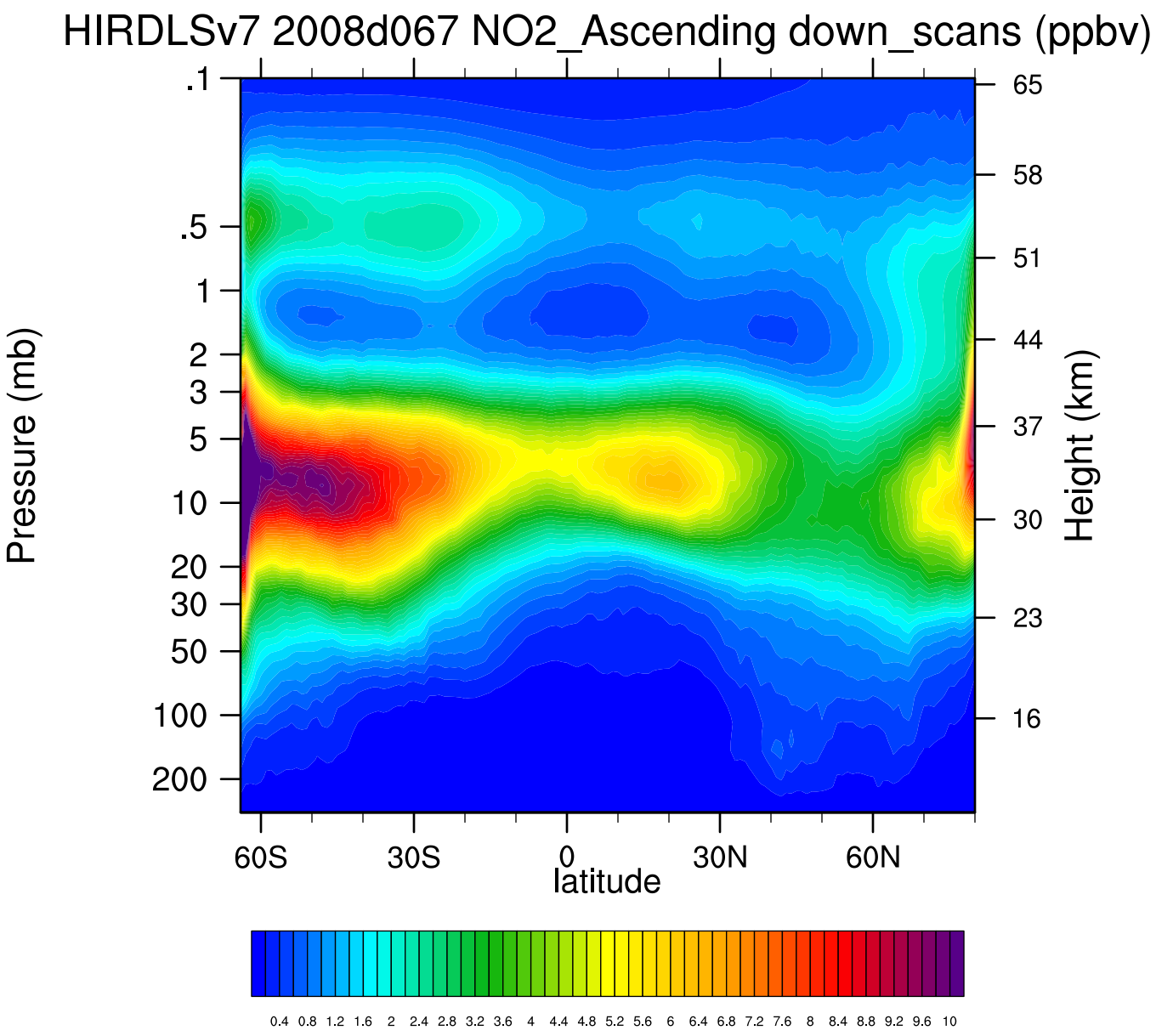
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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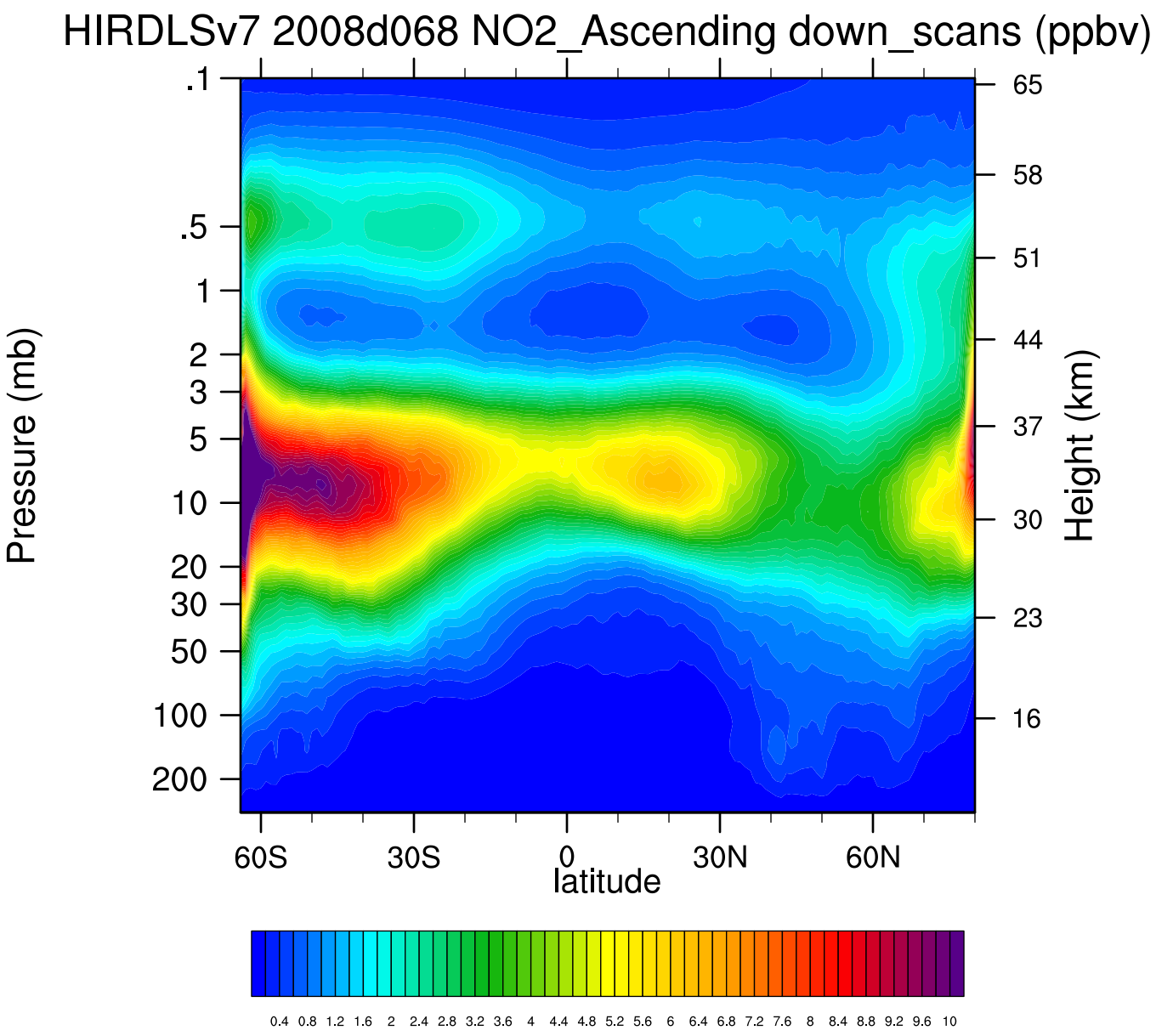
Pressure (mb)
.1
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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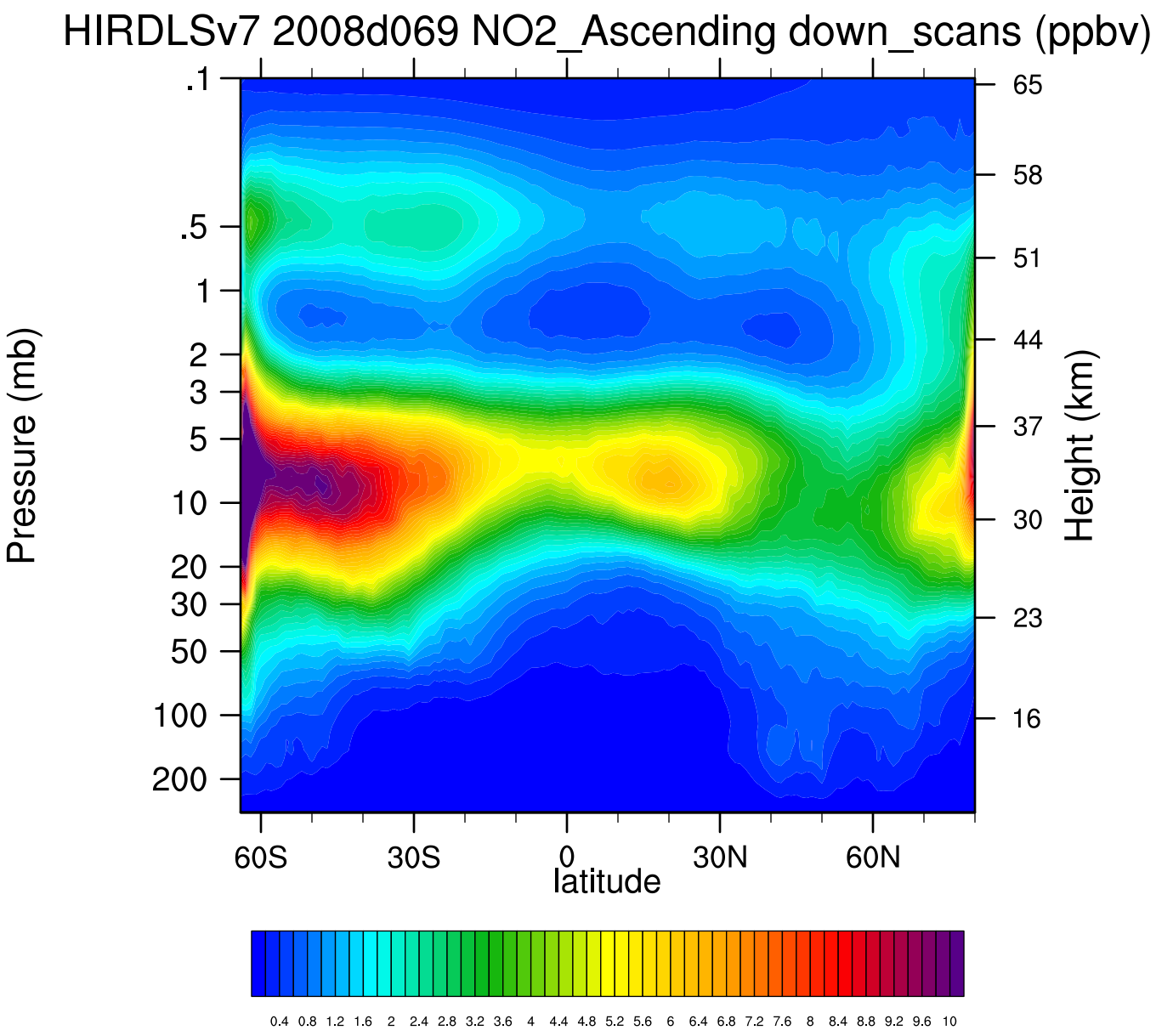
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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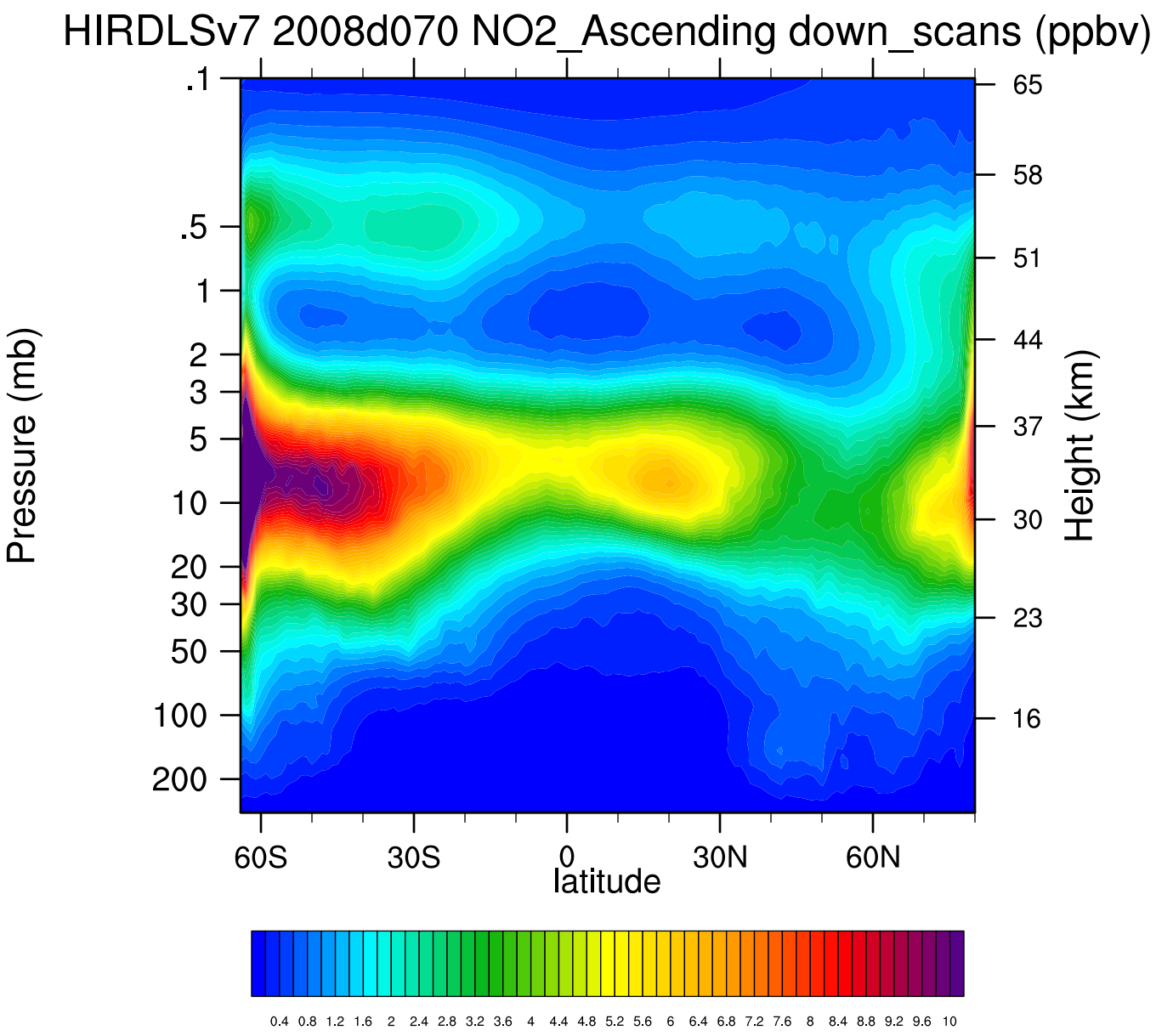
.5
1
2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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.5
1
2
3
5
10
20
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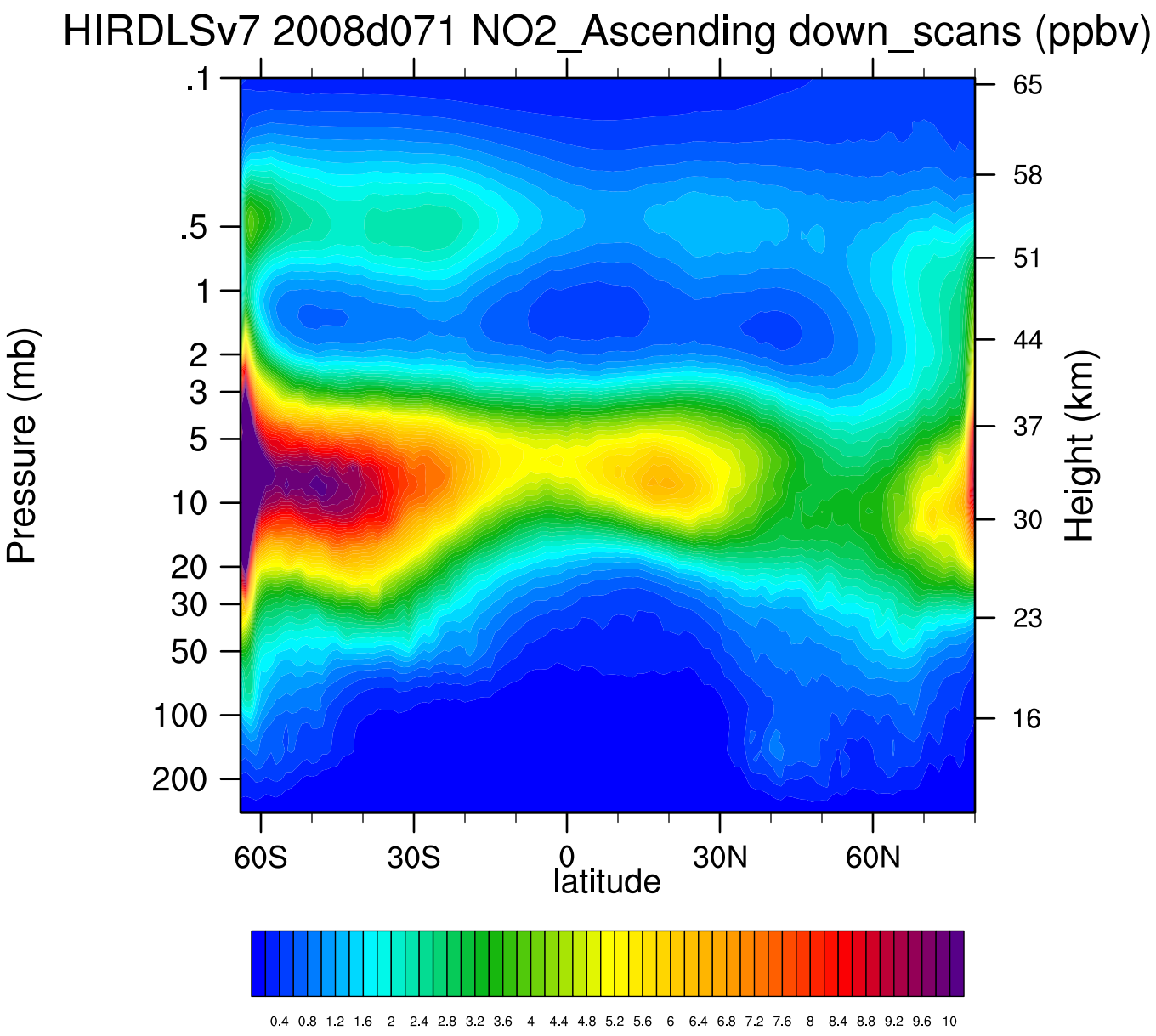
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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.5
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2
3
5
10
20
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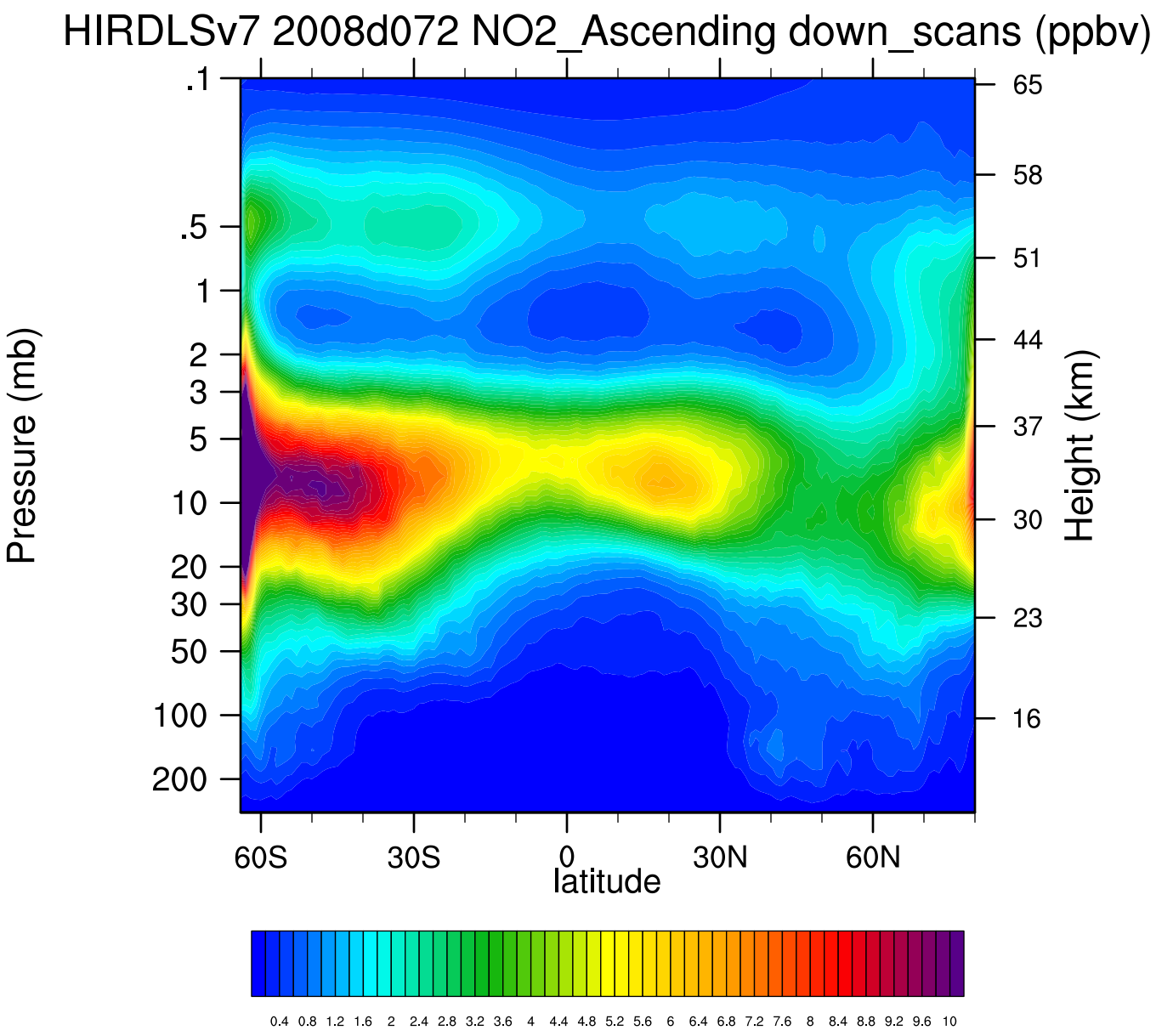
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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.5
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2
3
5
10
20
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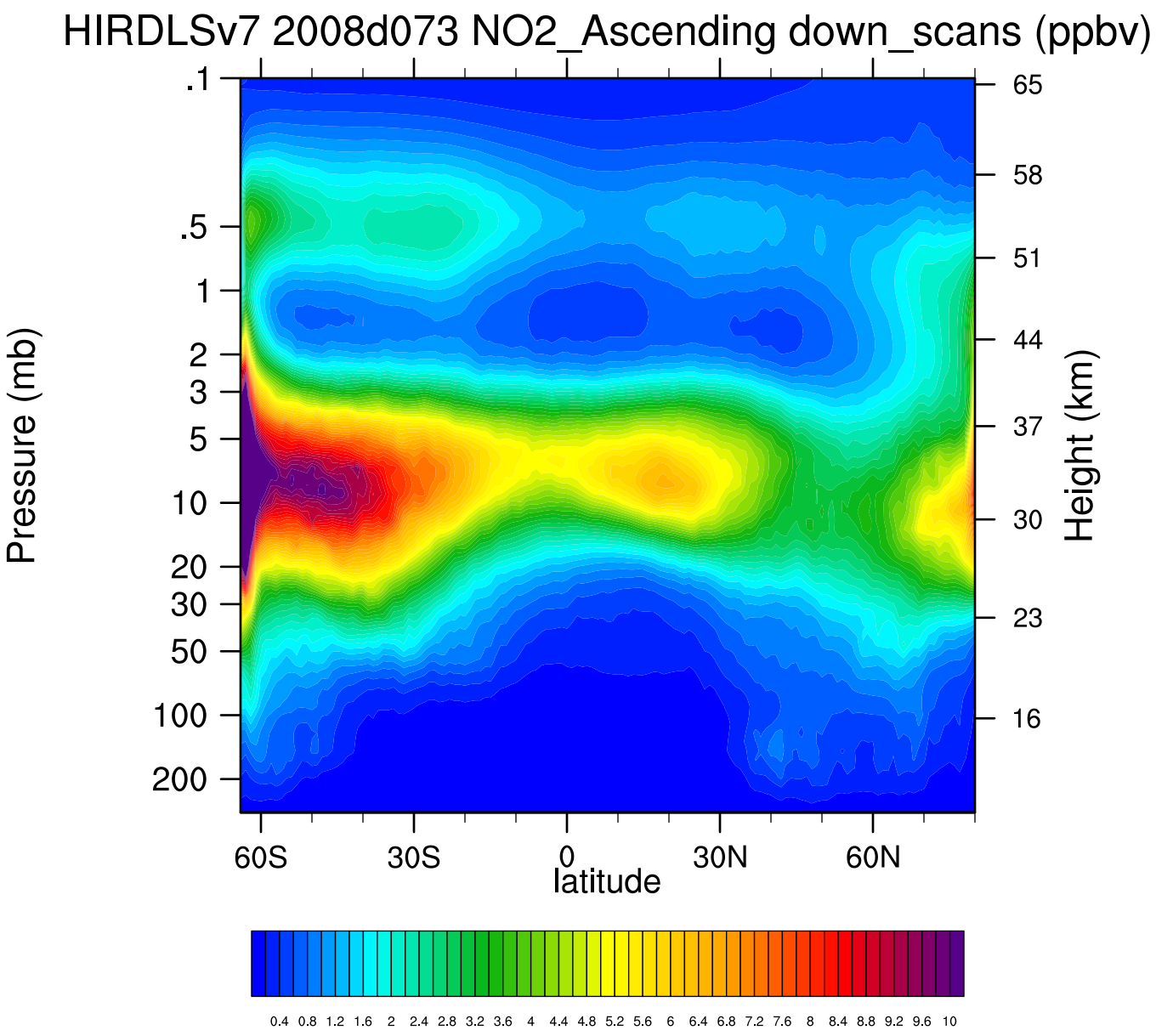
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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.5
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2
3
5
10
20
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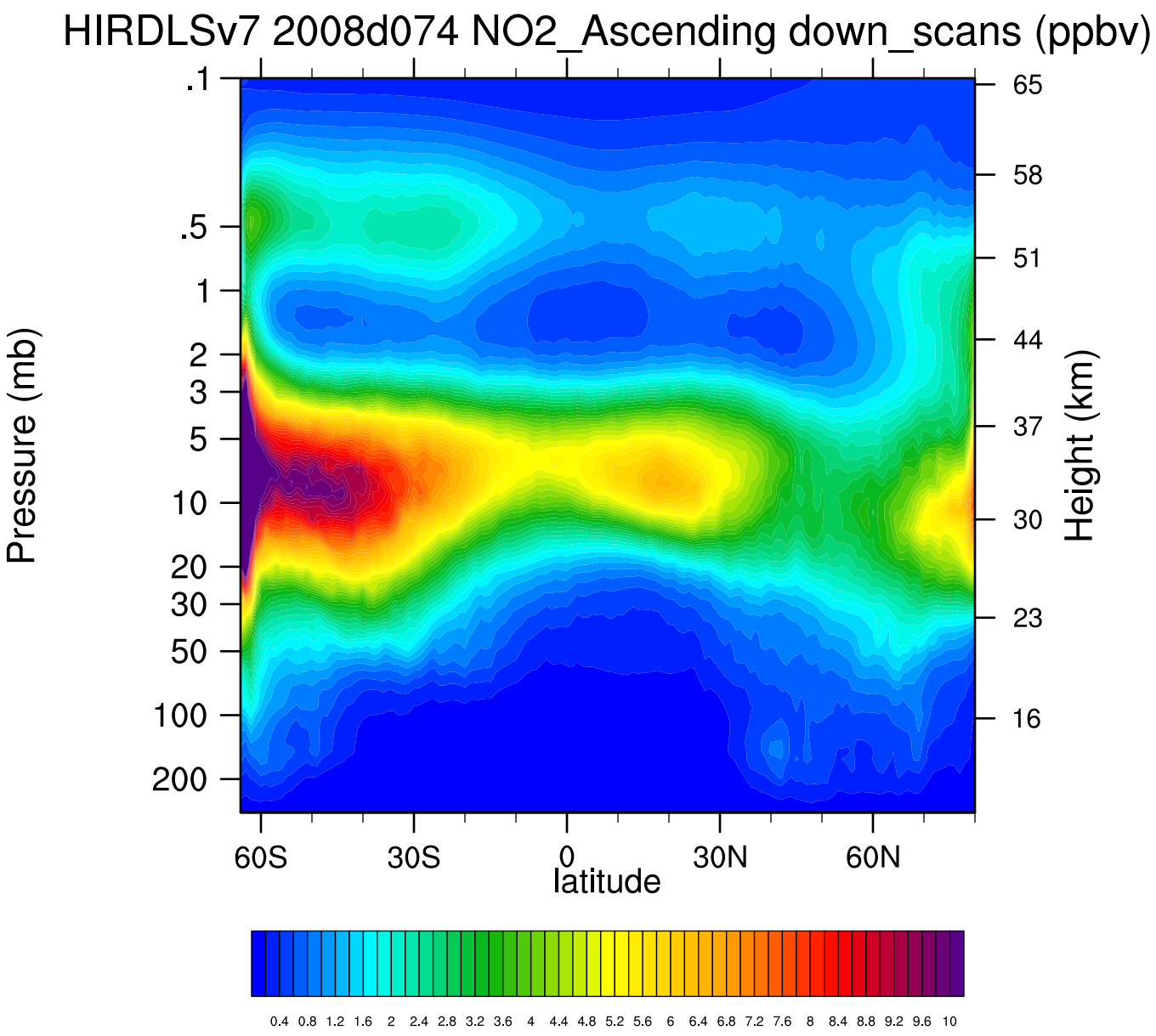
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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.5
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2
3
5
10
20
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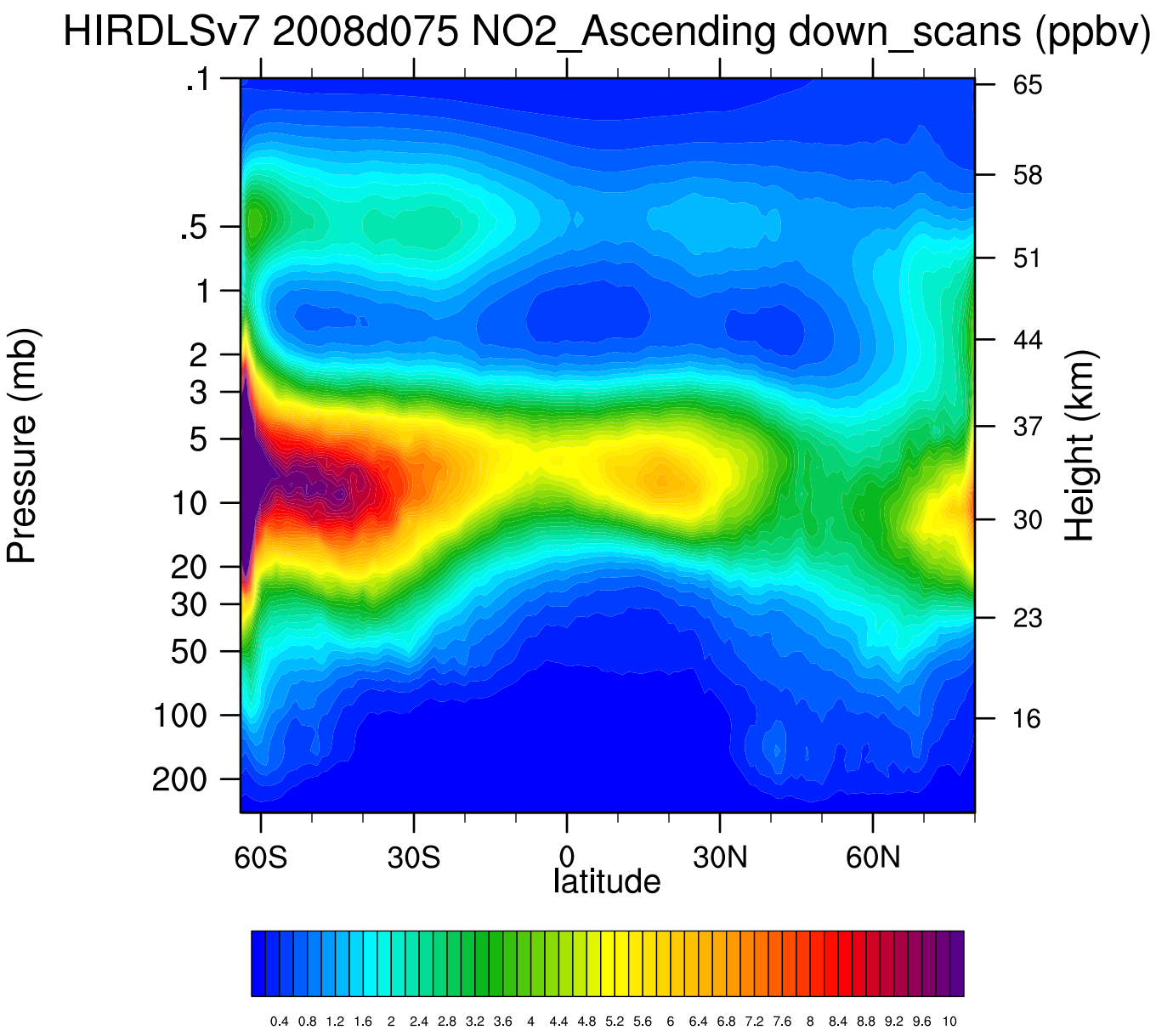
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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3
5
10
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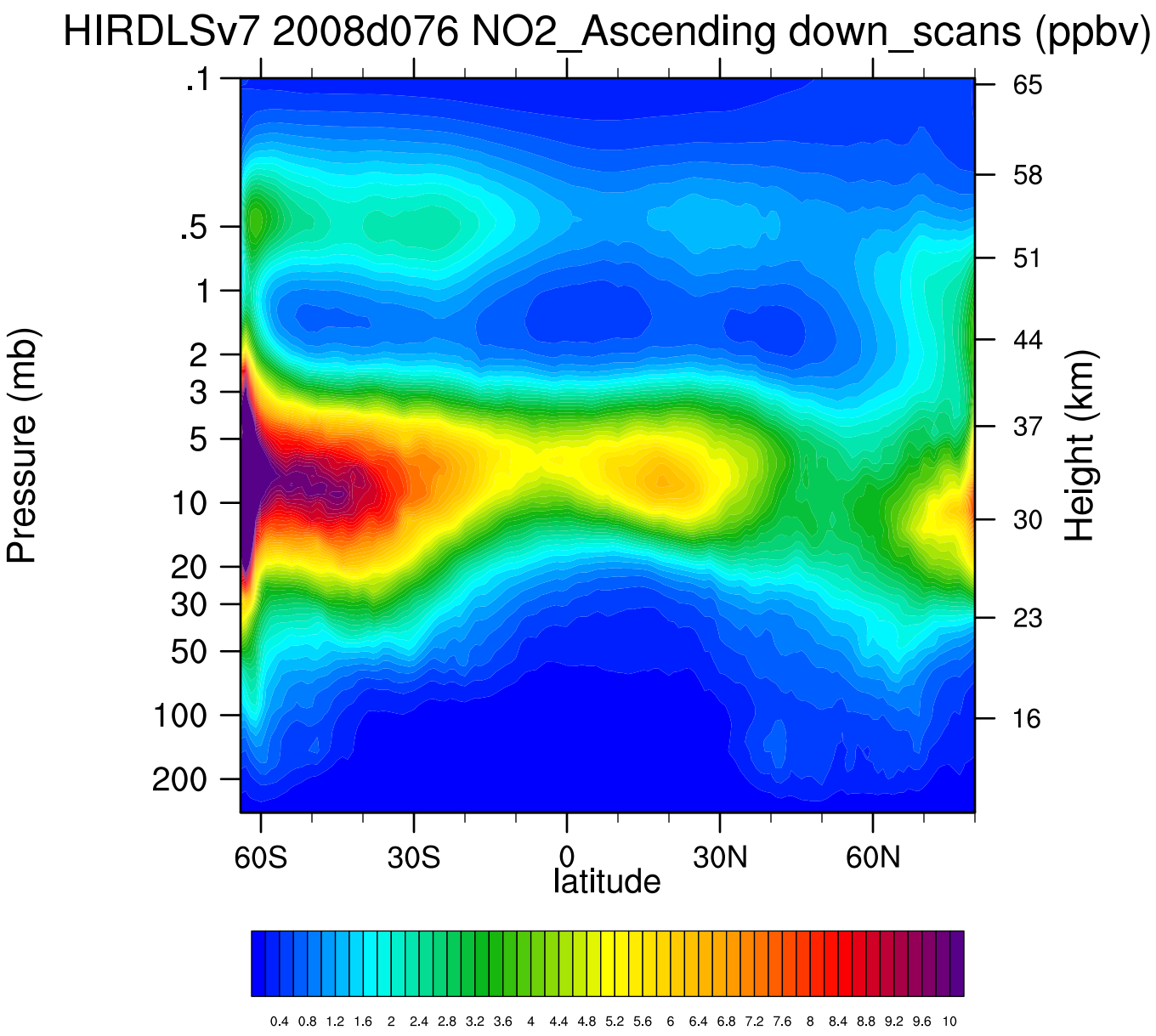
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10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Pressure (mb)
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.5
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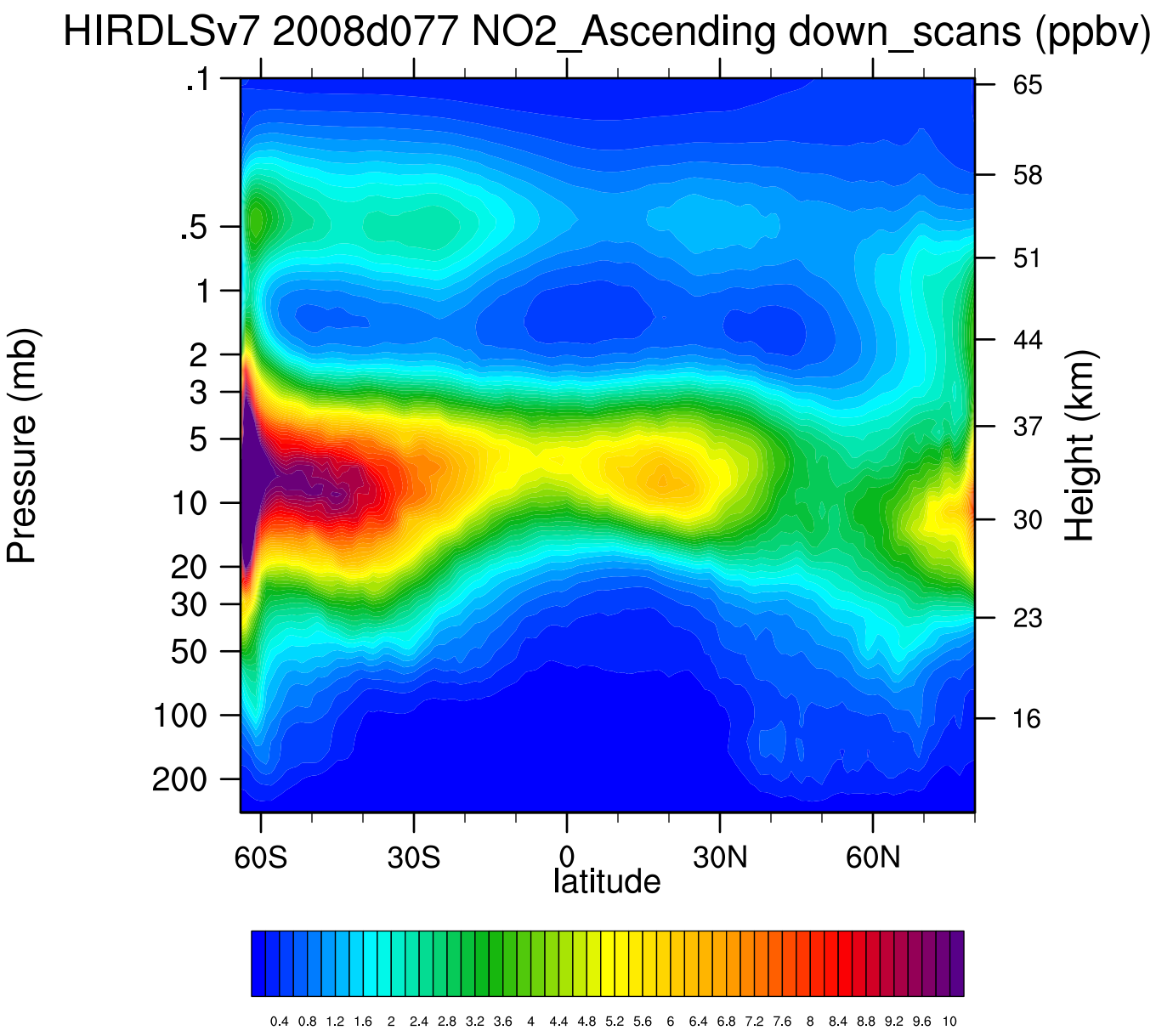
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10


HIRDLSv7 2008d077 NO2_Ascending down_scans (ppbv)
Pressure (mb)
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.5
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2
3
5
10
20
30
50
100
200
Height (km)
65
58
51
44
37
30
23
16
60S
30S
0
30N
60N
latitude
0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4 4.4 4.8 5.2 5.6 6 6.4 6.8 7.2 7.6 8 8.4 8.8 9.2 9.6 10