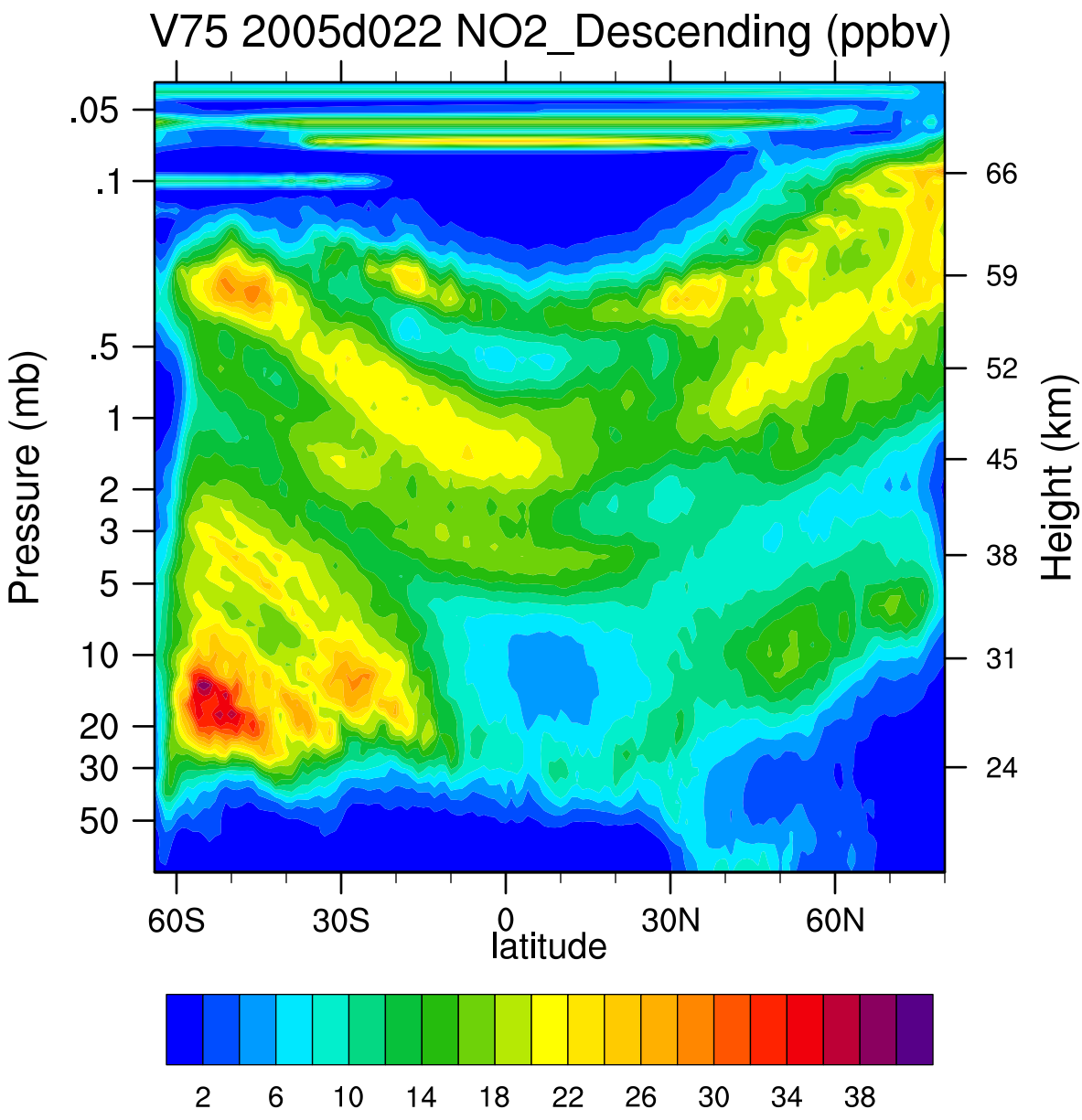
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.5
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3
5
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30
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Pressure (mb)
66
59
52
45
38
31
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Height (km)
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30S
0
30N
60N
latitude
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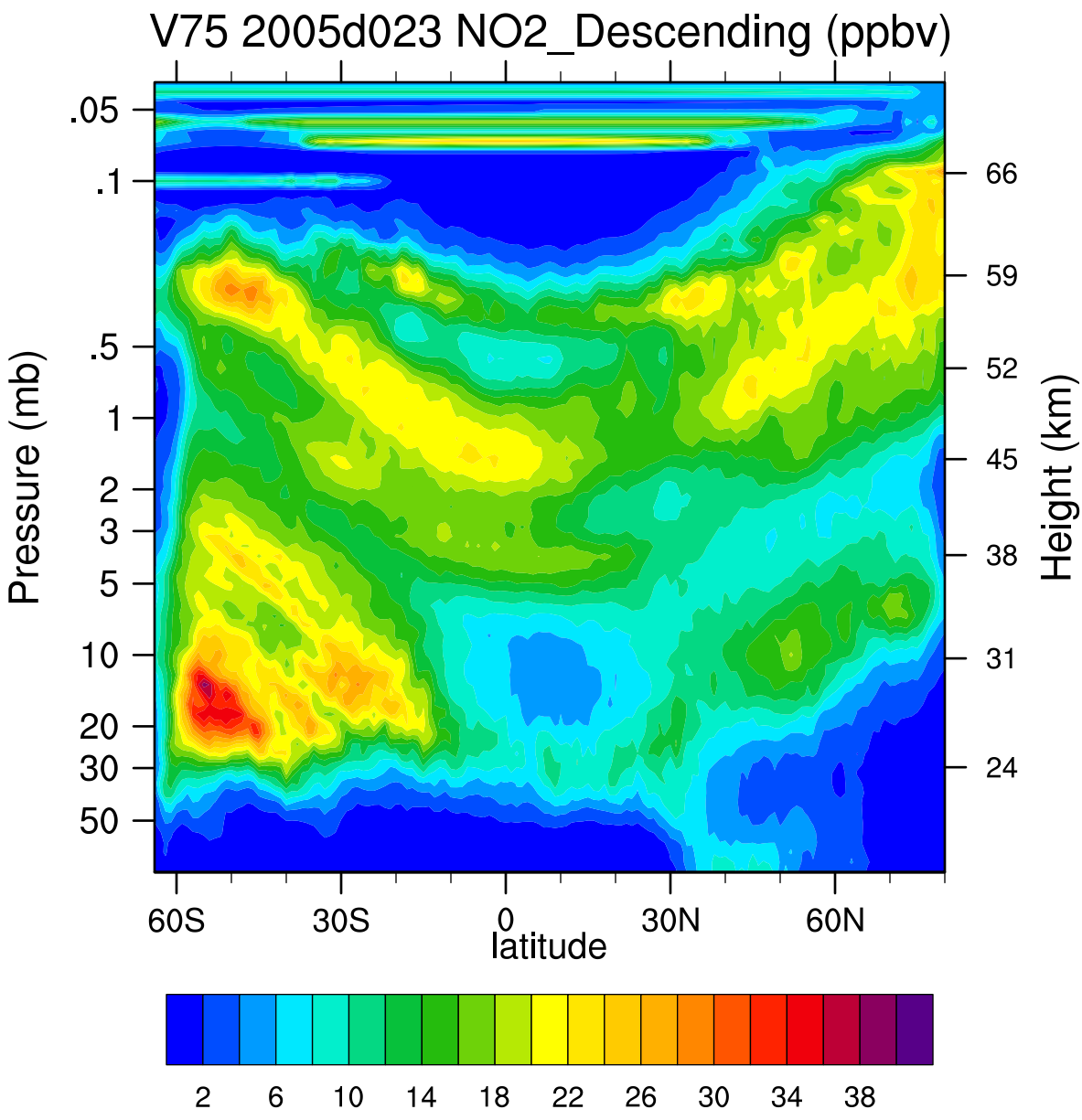
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3
5
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30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
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30S
0
30N
60N
latitude
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18
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30
34
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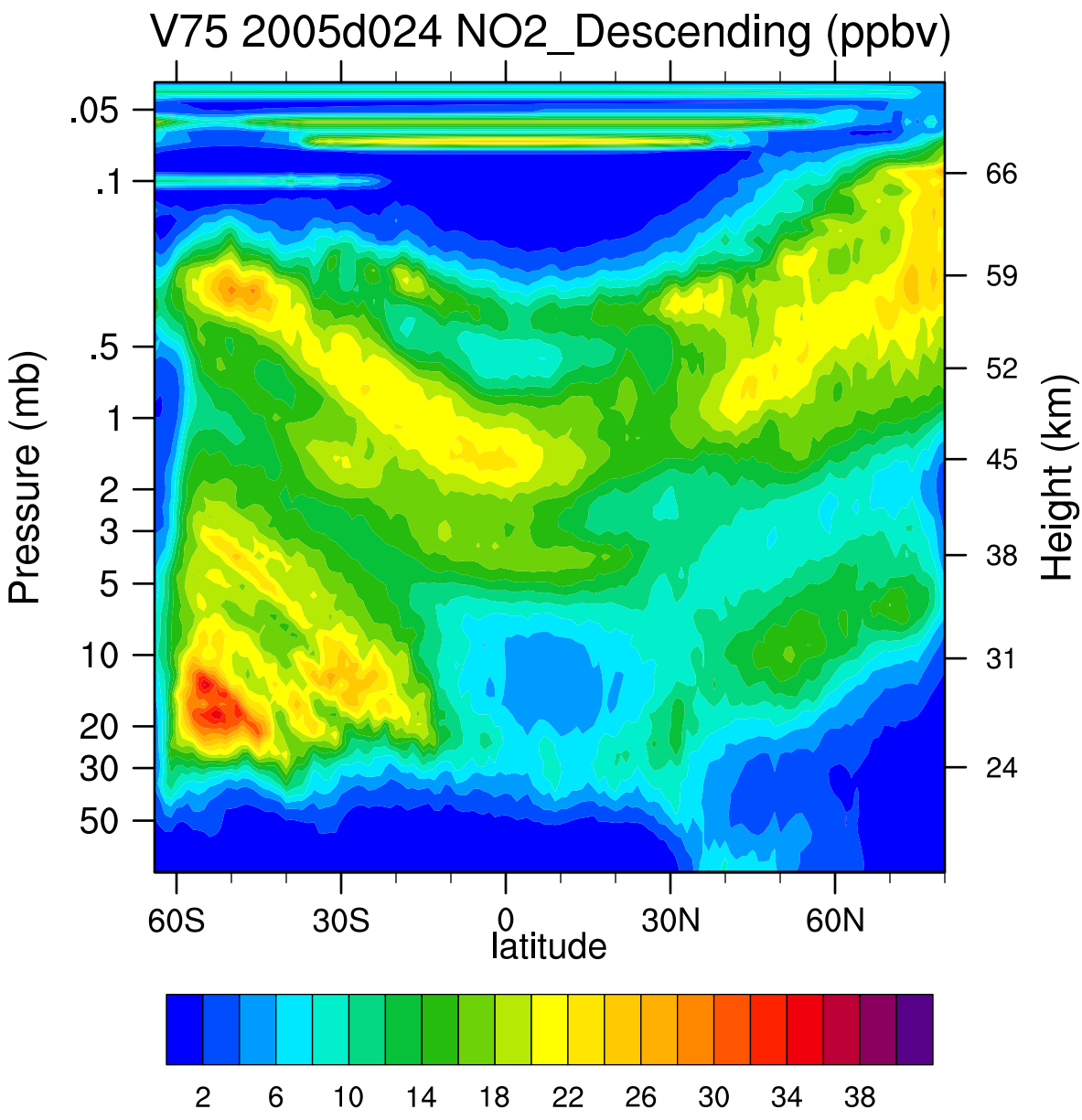
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Pressure (mb)
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30
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Height (km)
66
59
52
45
38
31
24
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30S
0
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60N
latitude
2
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26
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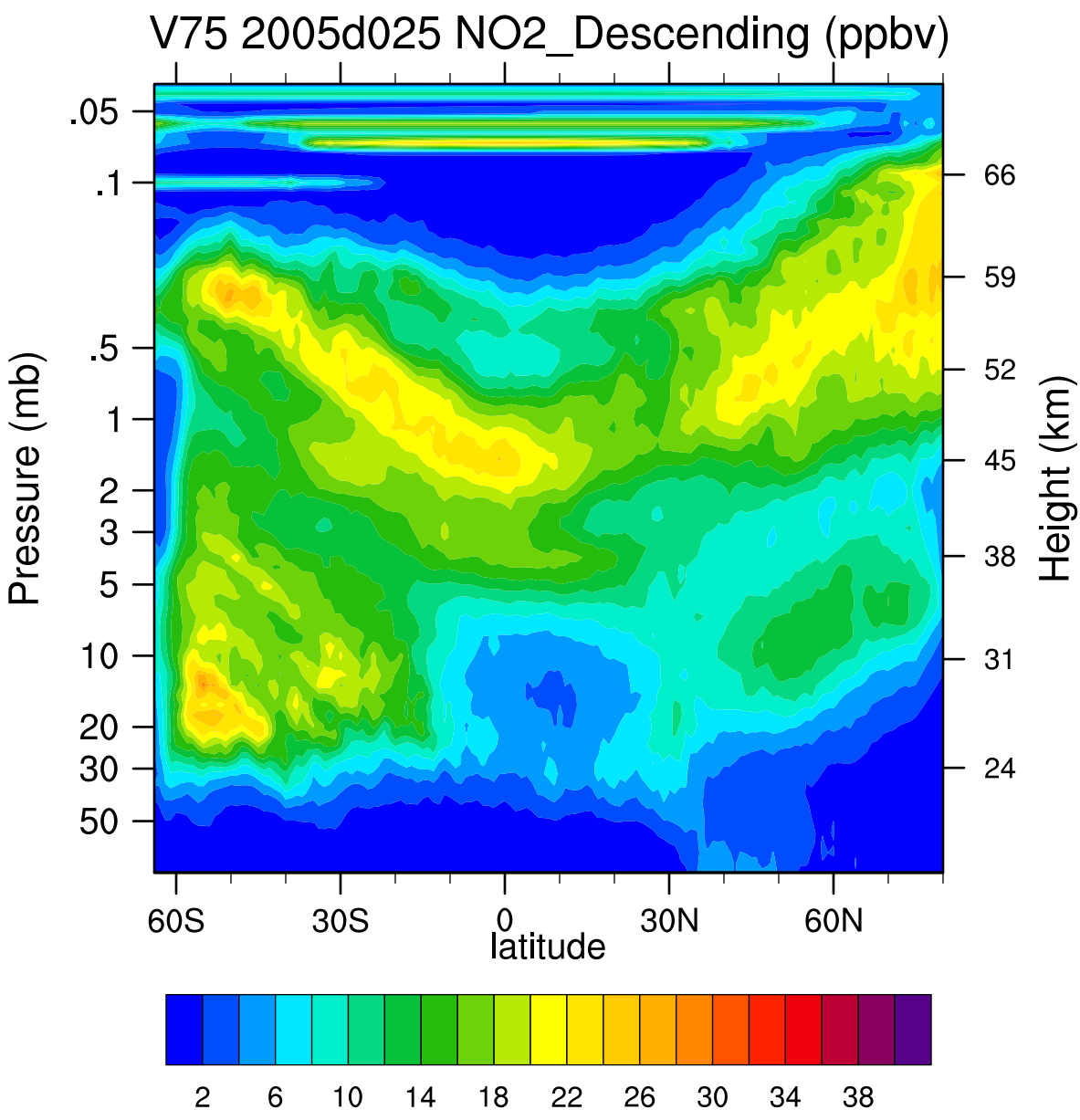
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30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
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30S
0
30N
60N
latitude
2
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34
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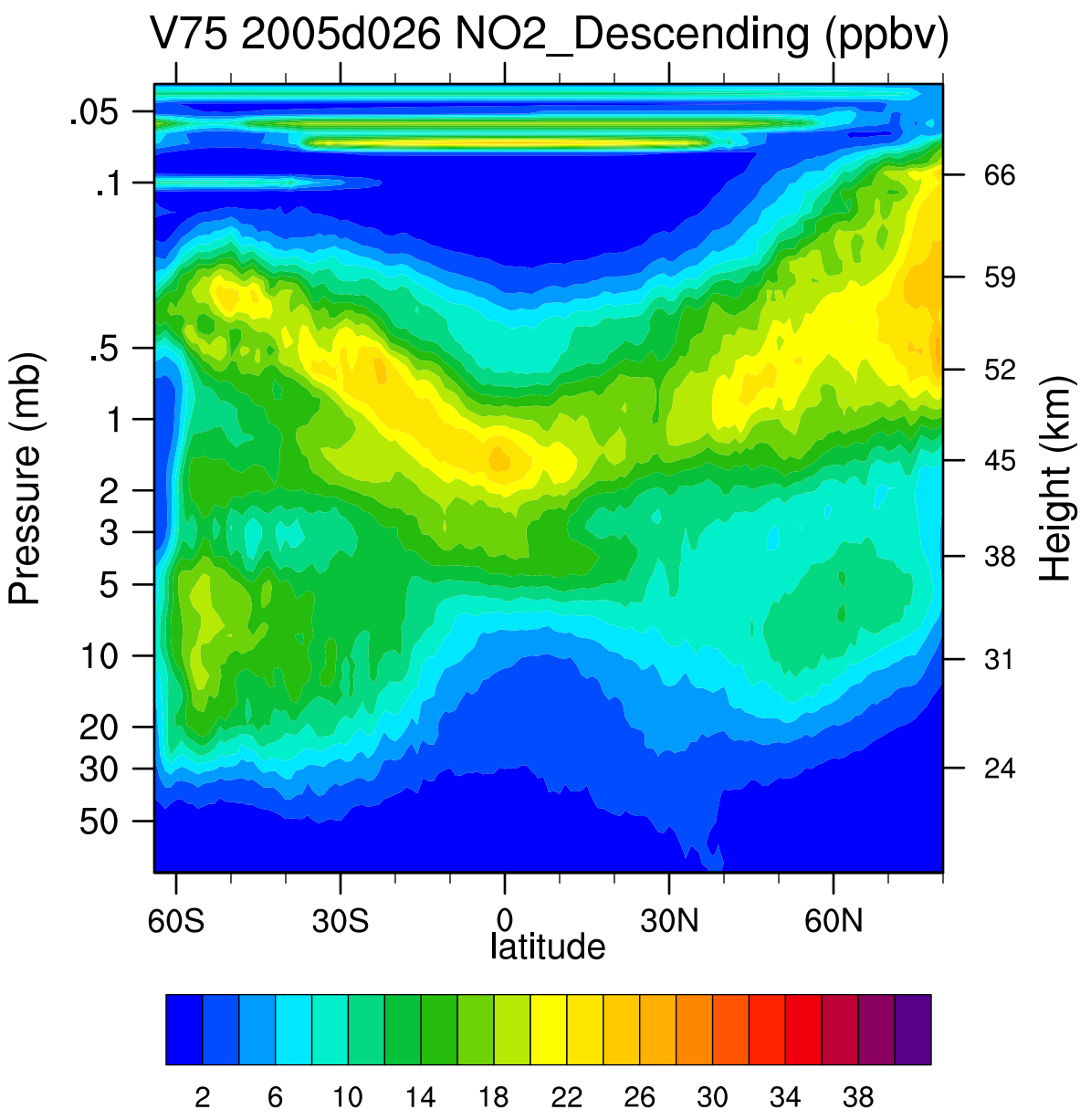
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Pressure (mb)
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Height (km)
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59
52
45
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30S
0
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60N
latitude
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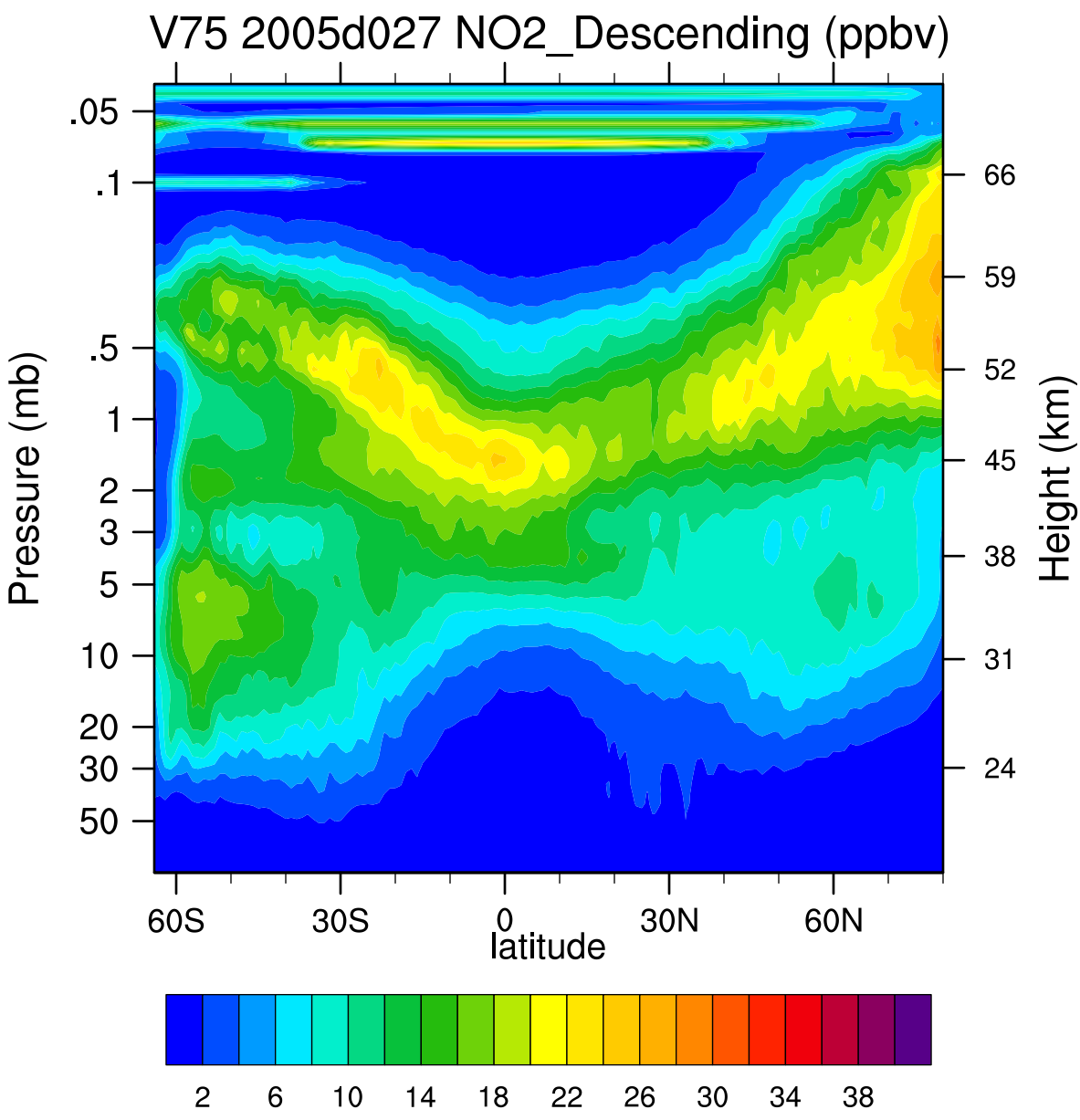
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Pressure (mb)
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59
52
45
38
31
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Height (km)
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30S
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30N
60N
latitude
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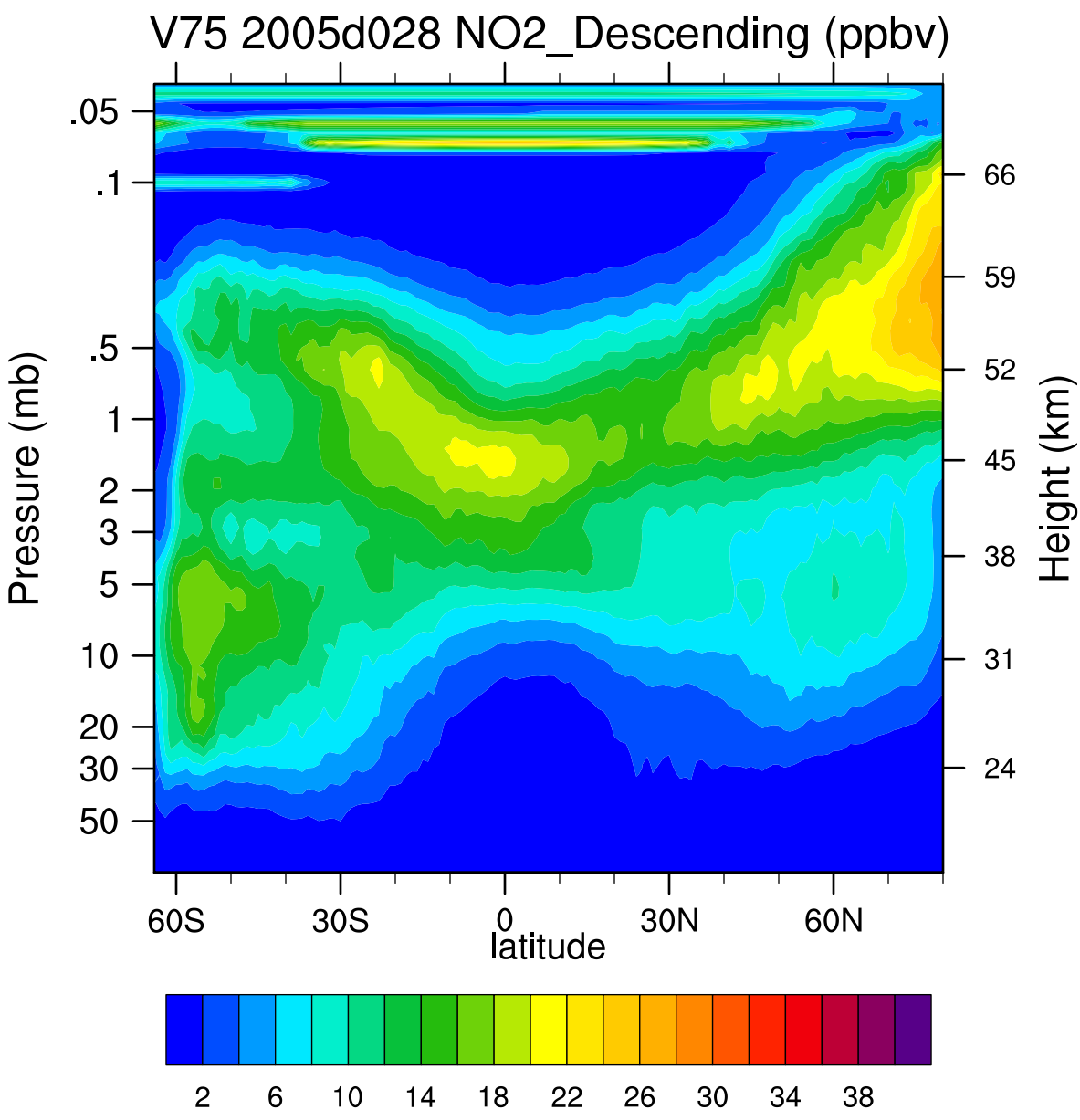
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Pressure (mb)
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5
10
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Height (km)
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59
52
45
38
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30S
0
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60N
latitude
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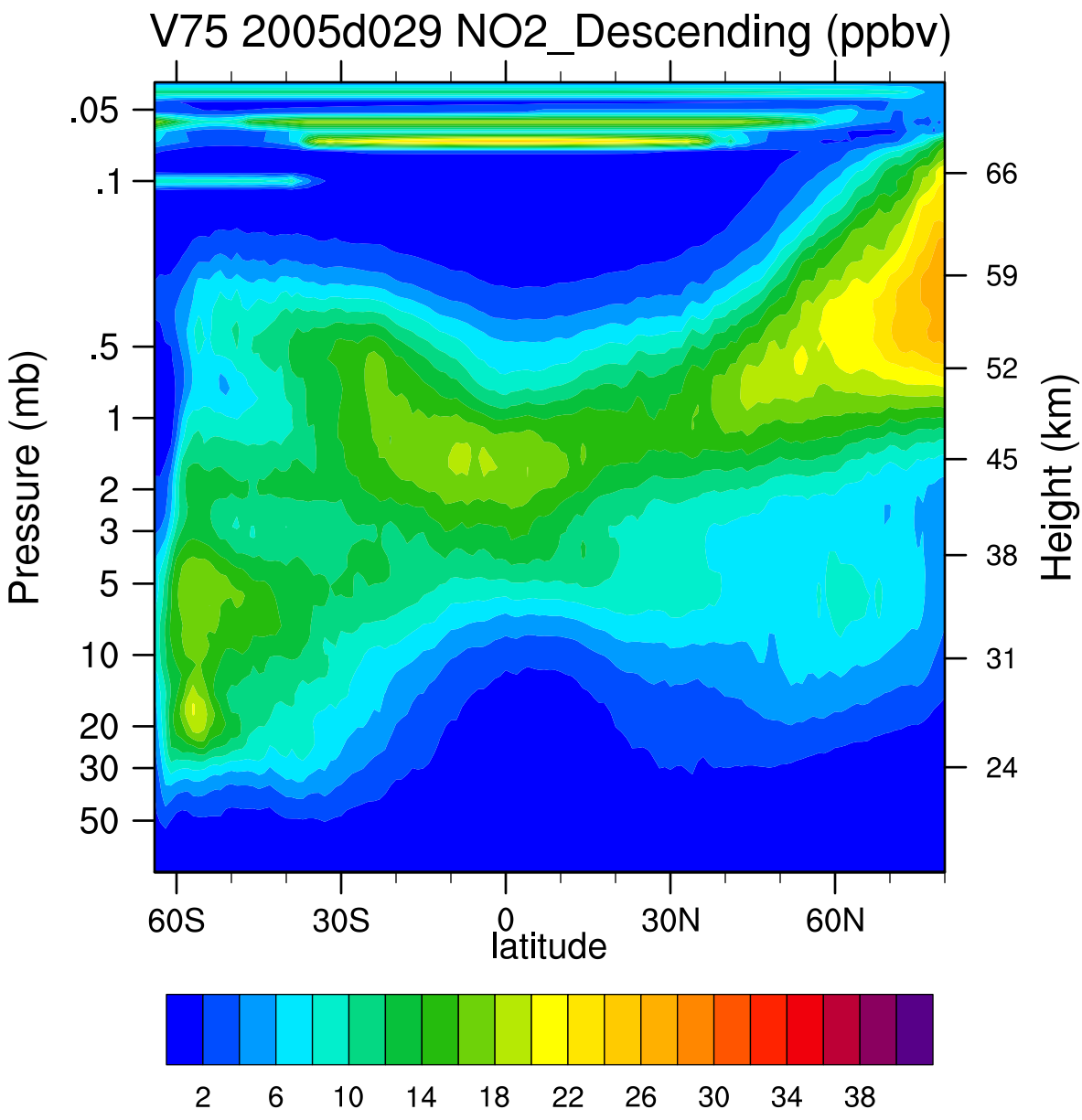
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Pressure (mb)
66
59
52
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38
31
24
Height (km)
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30N
60N
latitude
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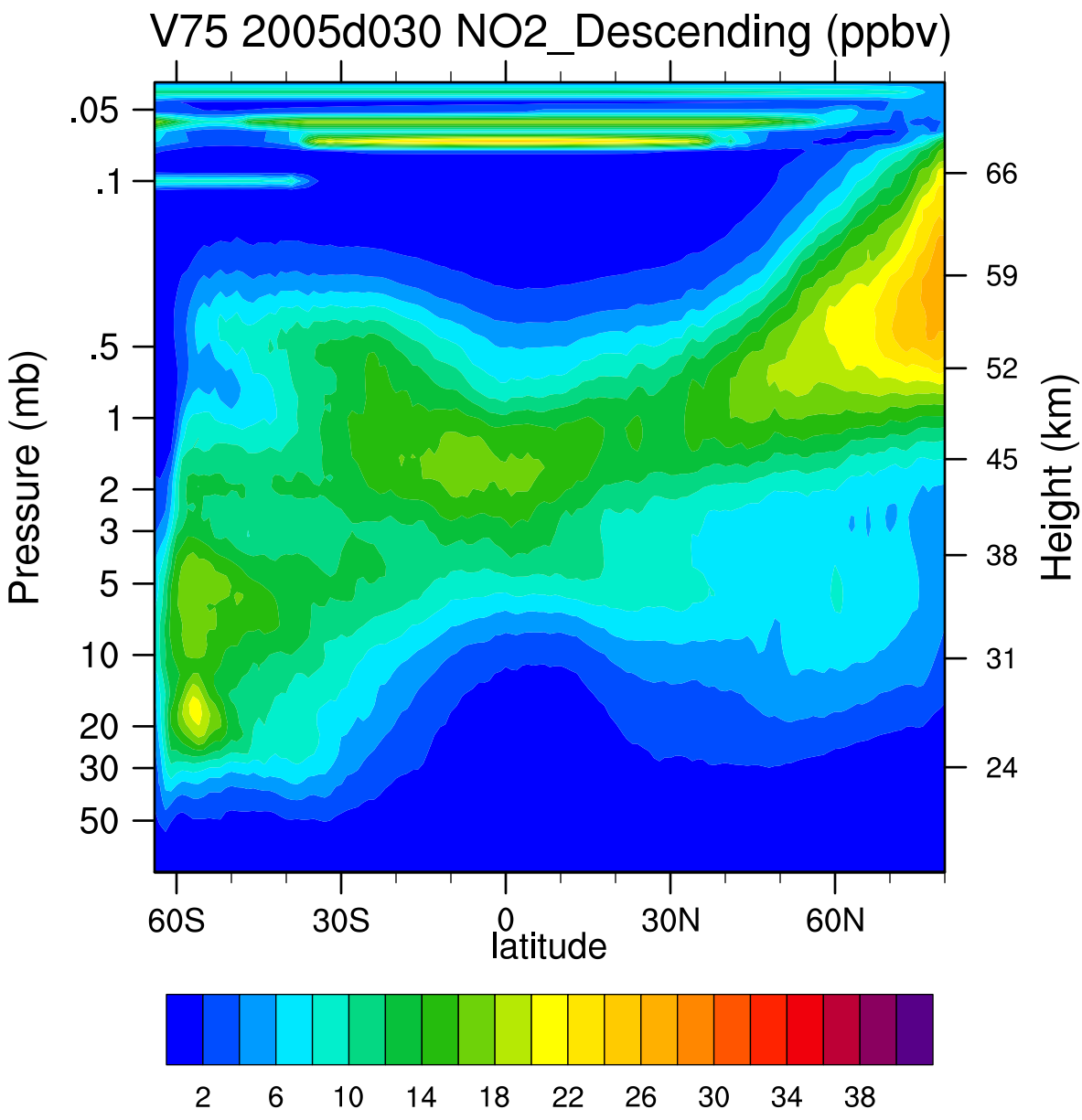
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Pressure (mb)
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Height (km)
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59
52
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latitude
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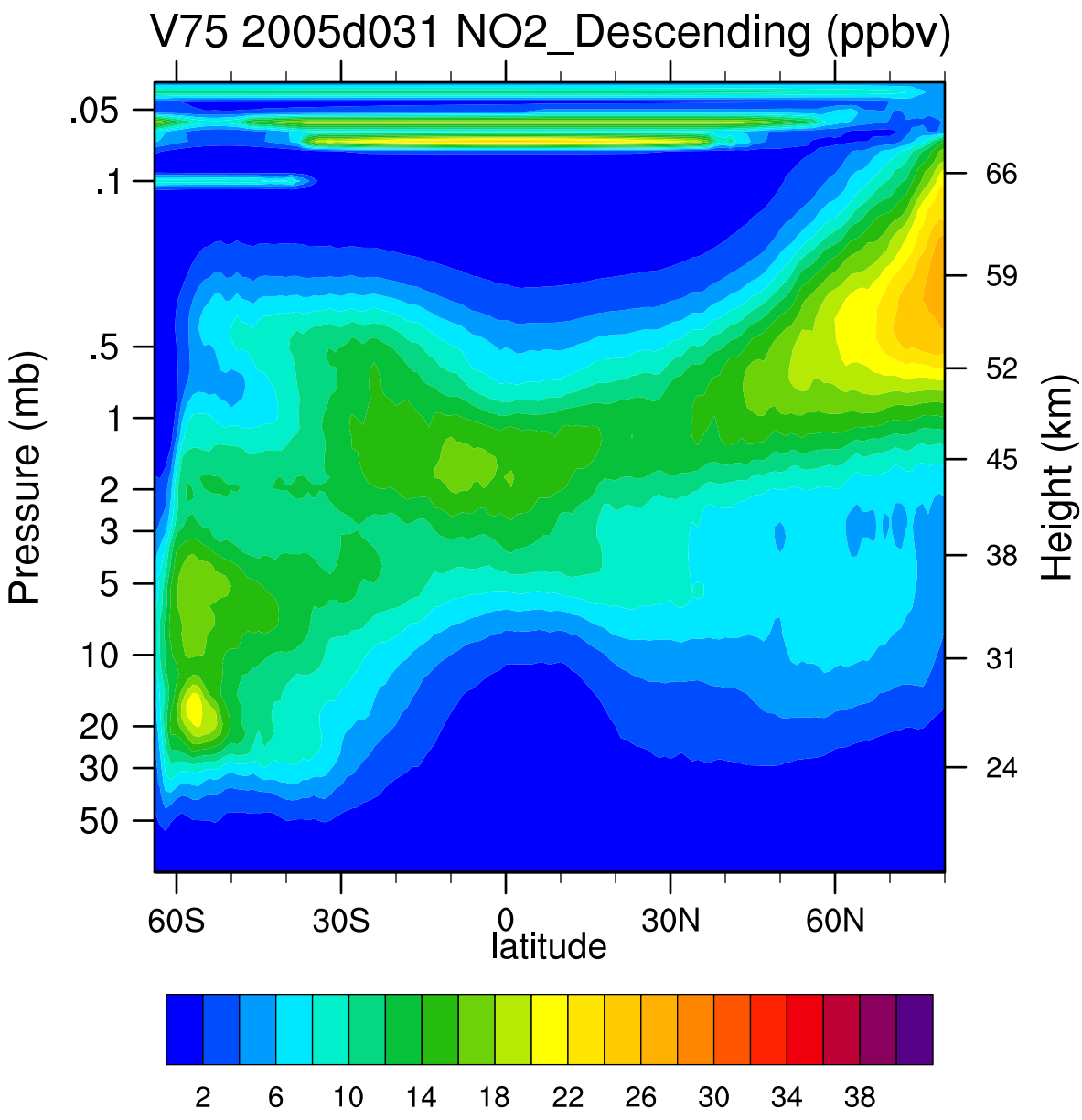
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Pressure (mb)
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38
31
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Height (km)
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30S
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30N
60N
latitude
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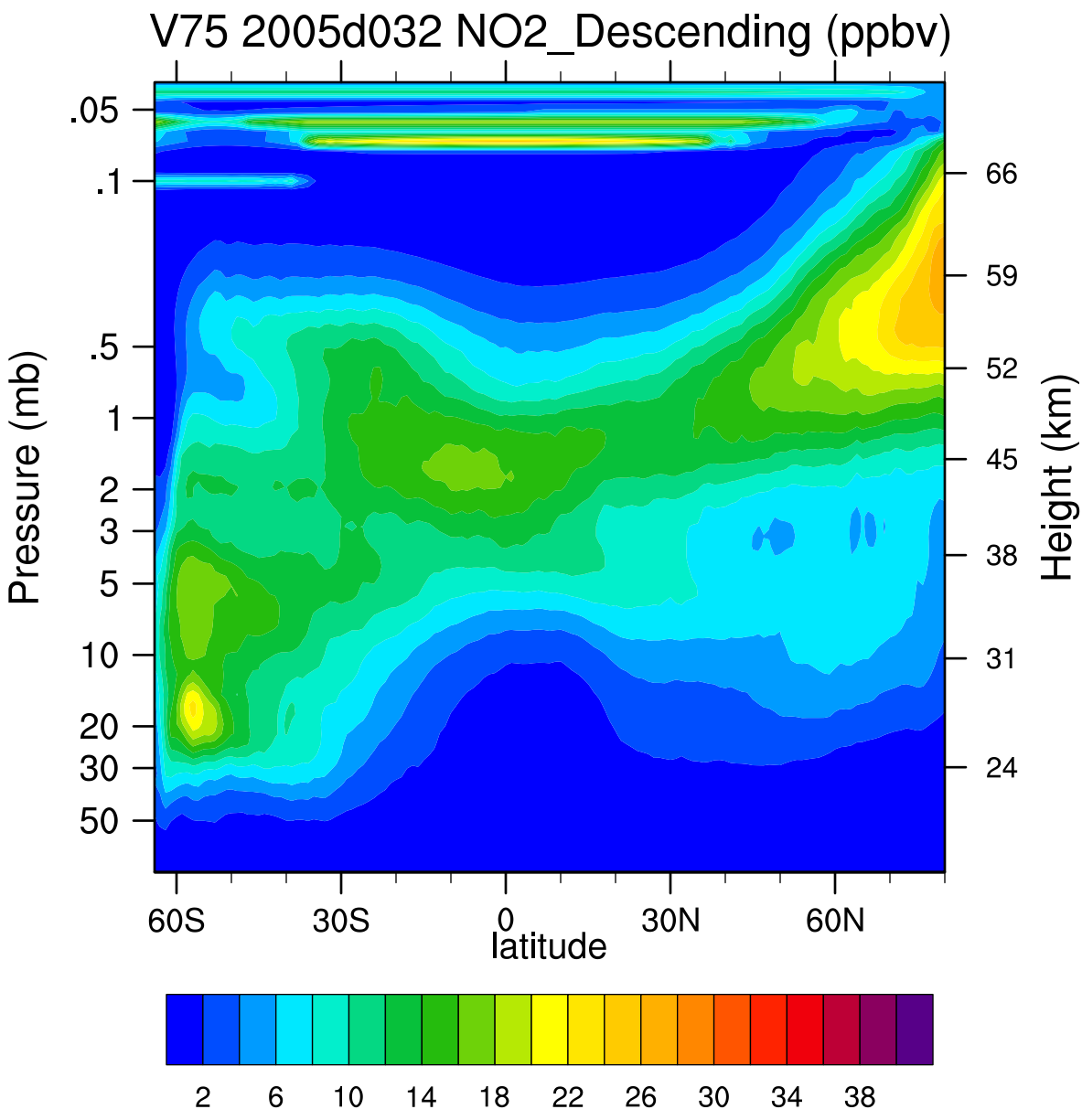
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Pressure (mb)
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Height (km)
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52
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60N
latitude
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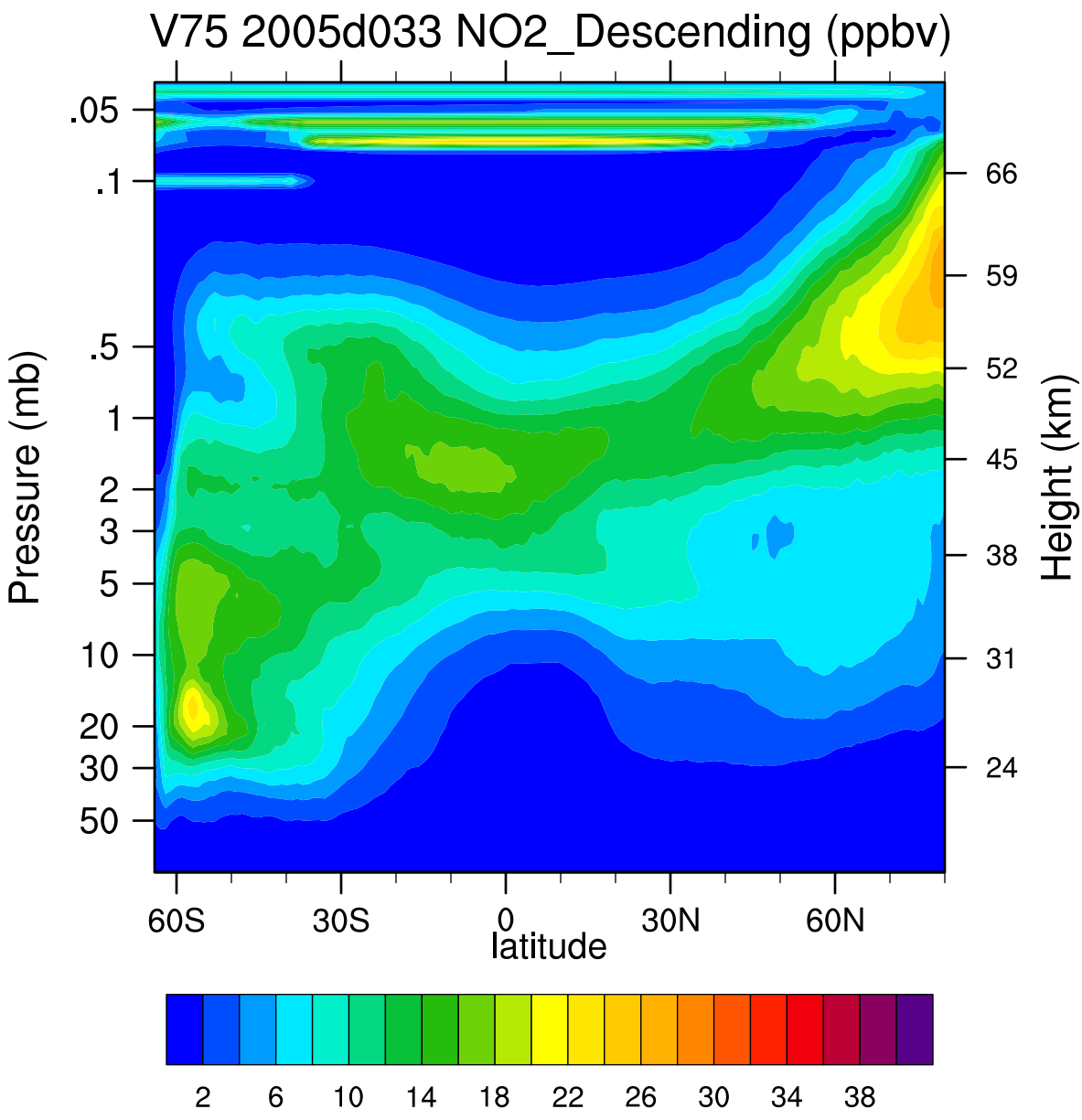
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Pressure (mb)
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38
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Height (km)
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60N
latitude
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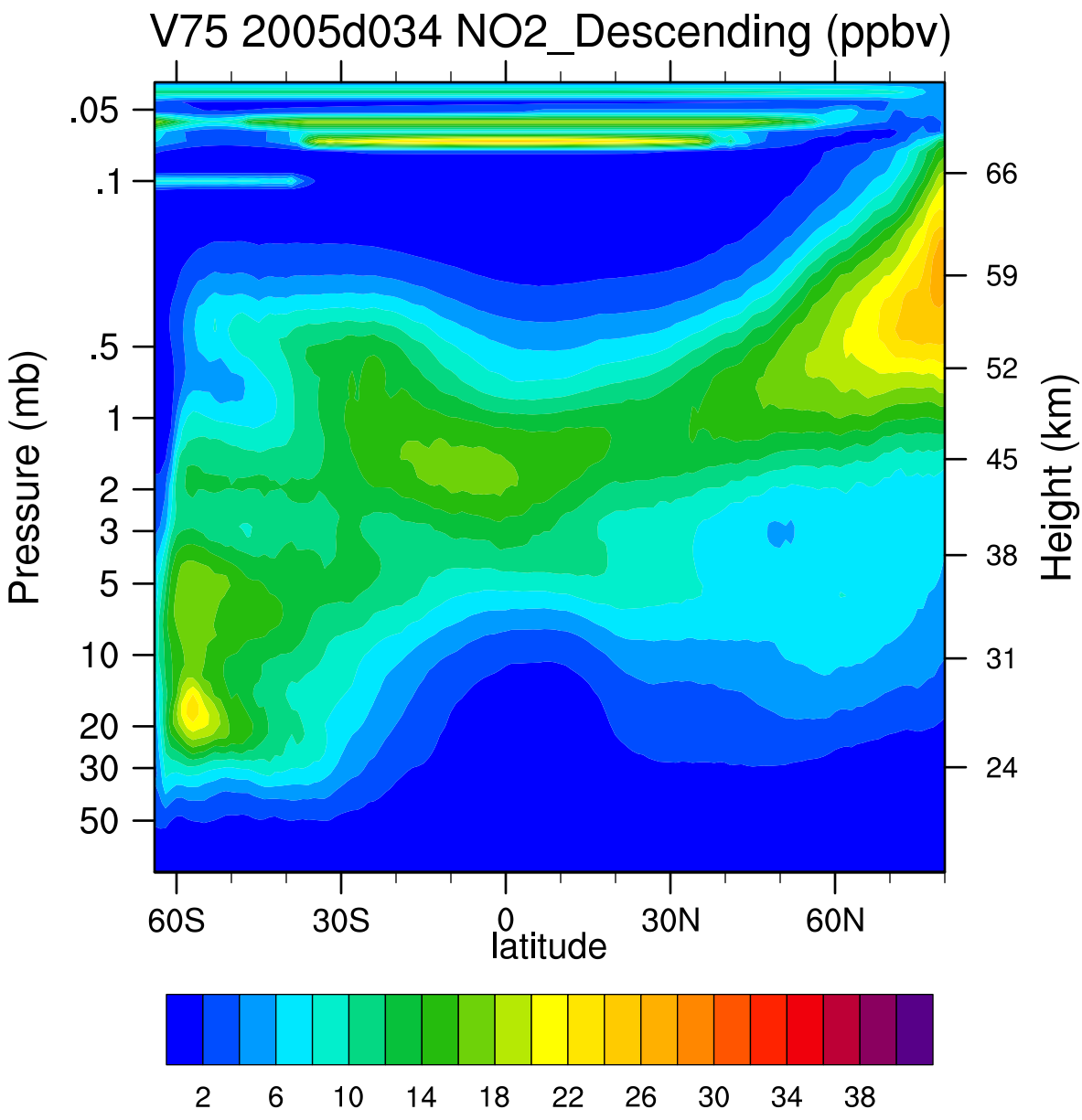
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Pressure (mb)
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Height (km)
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52
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60N
latitude
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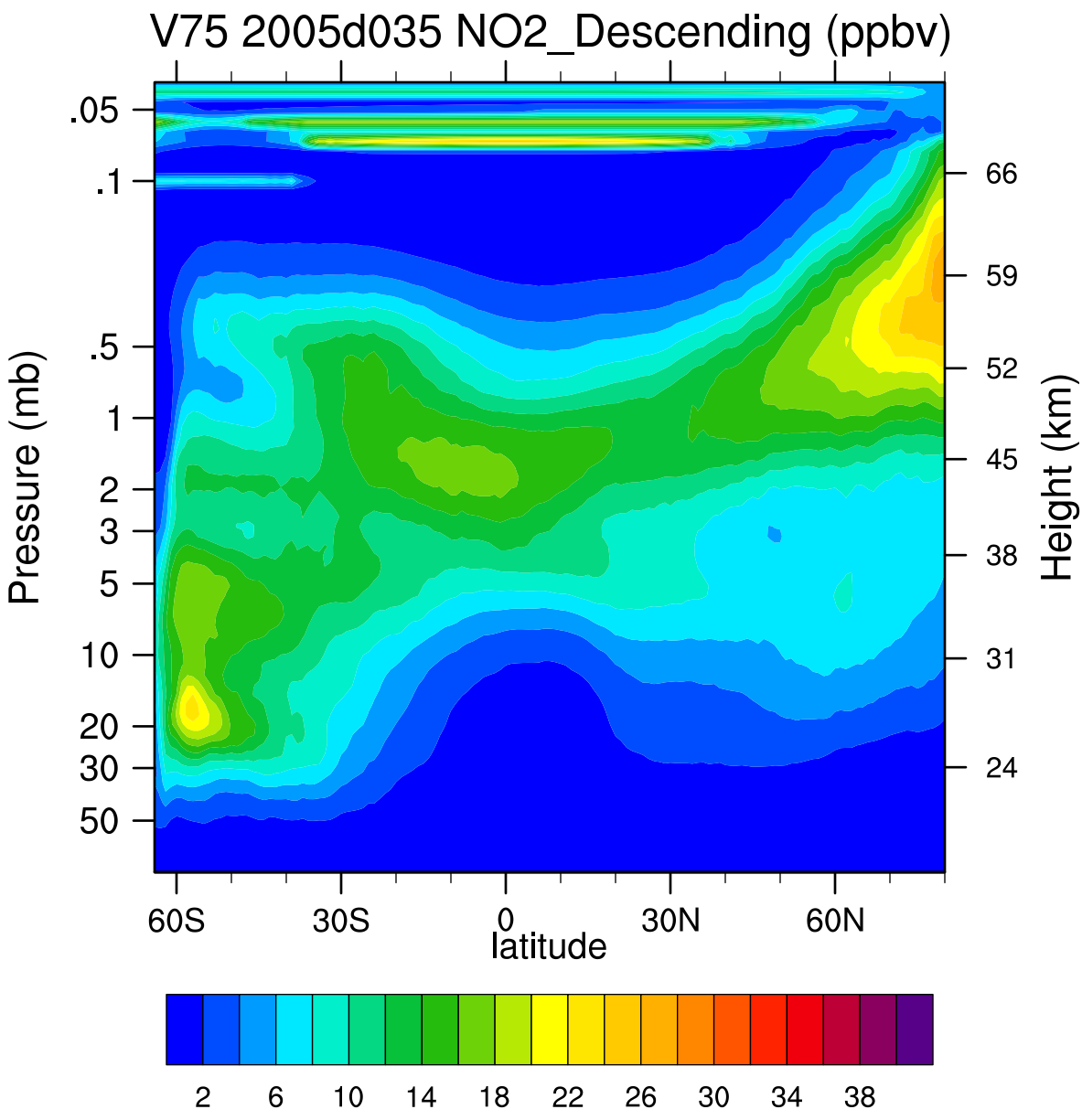
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Height (km)
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59
52
45
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30S
0
30N
60N
latitude
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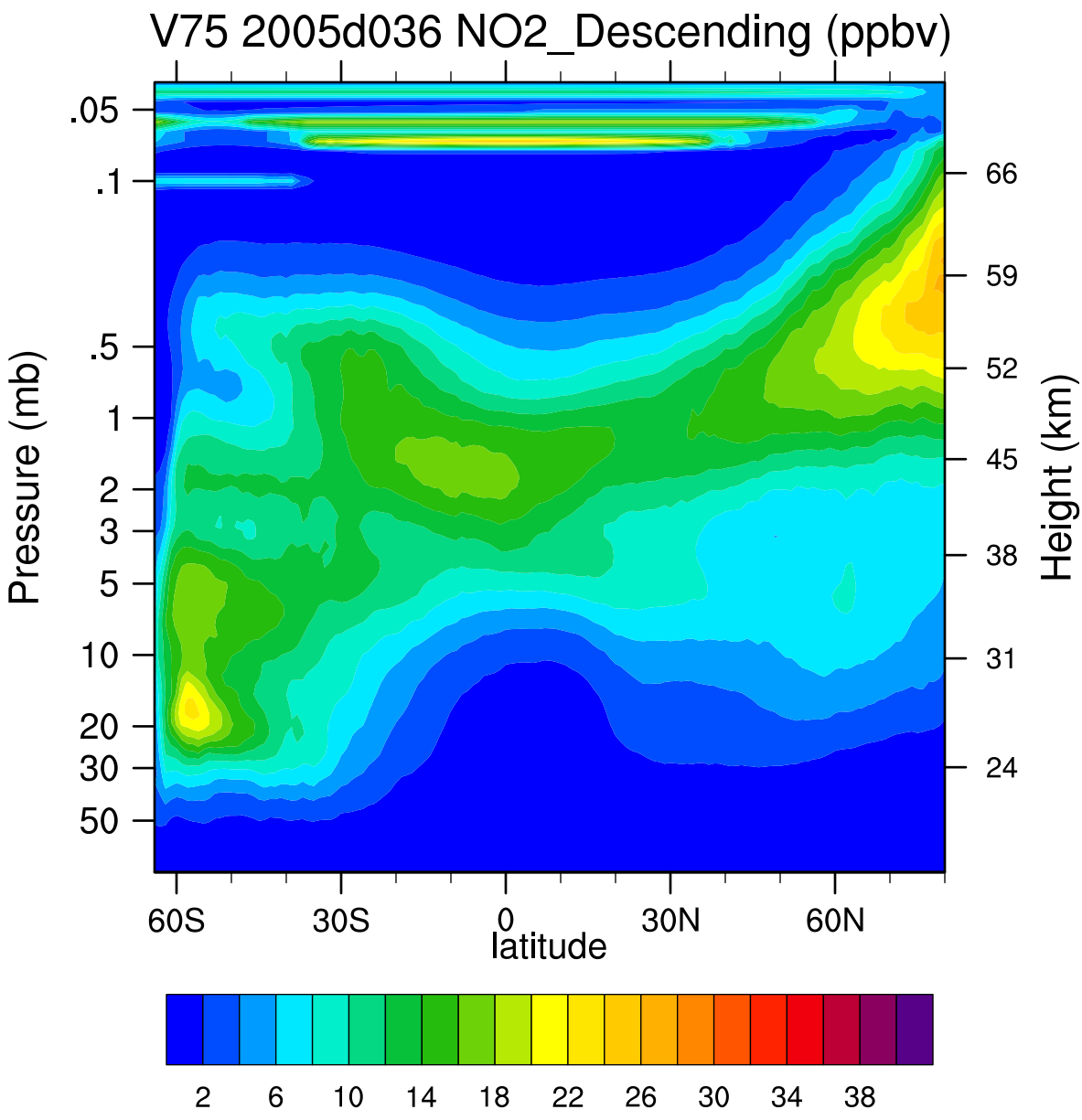
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Height (km)
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59
52
45
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30S
0
30N
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latitude
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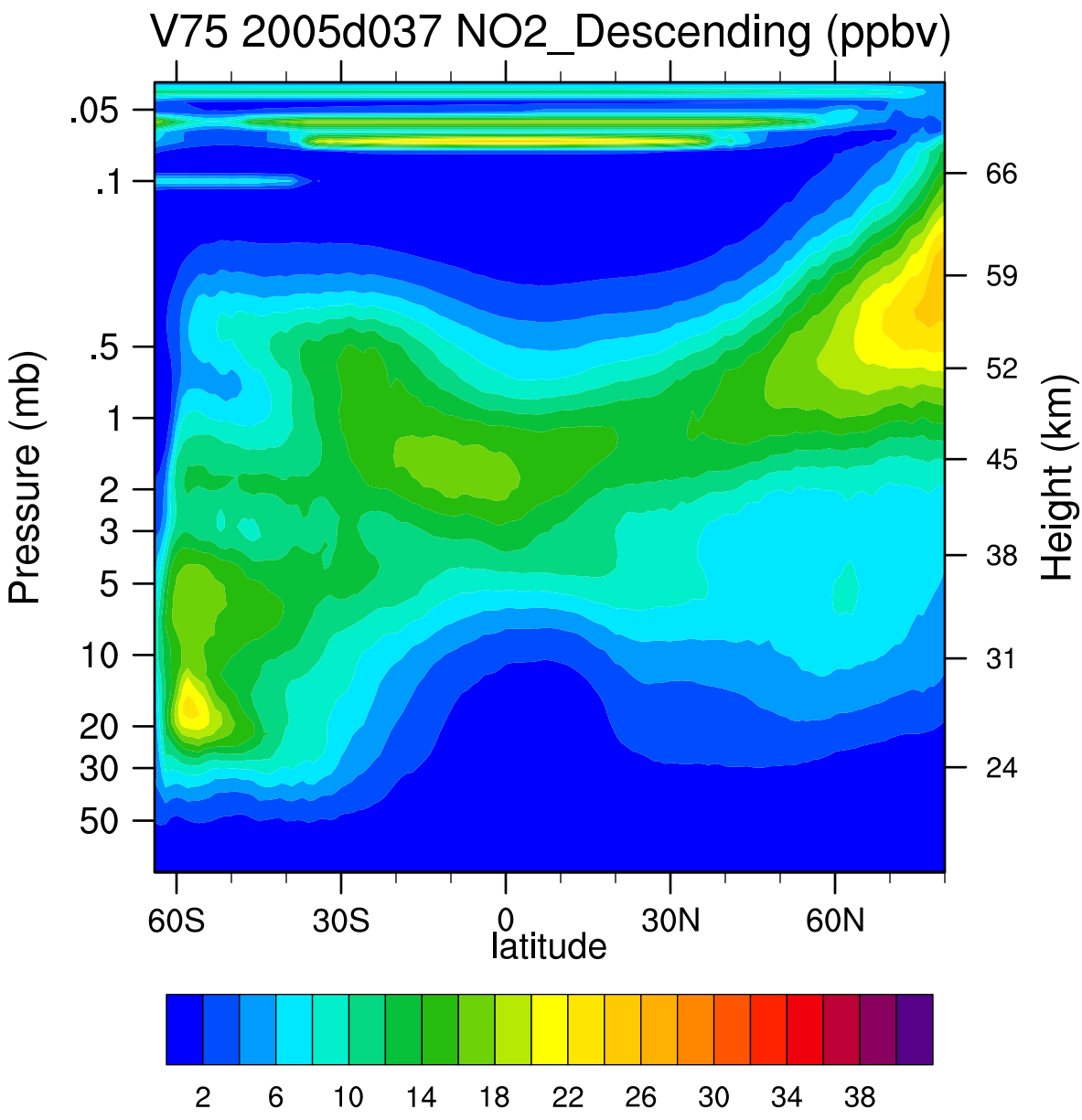
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Height (km)
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59
52
45
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30S
0
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60N
latitude
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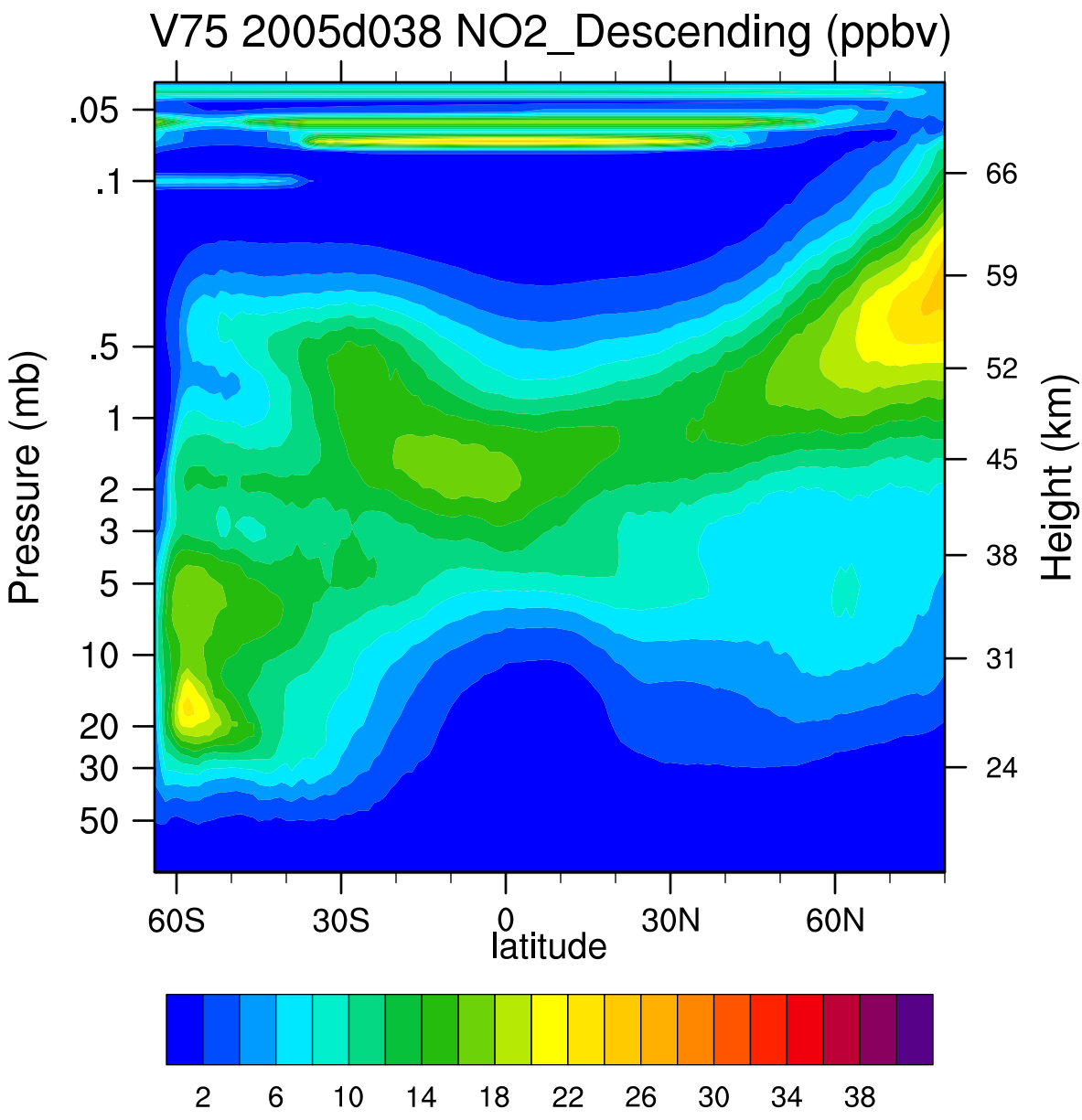
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52
45
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latitude
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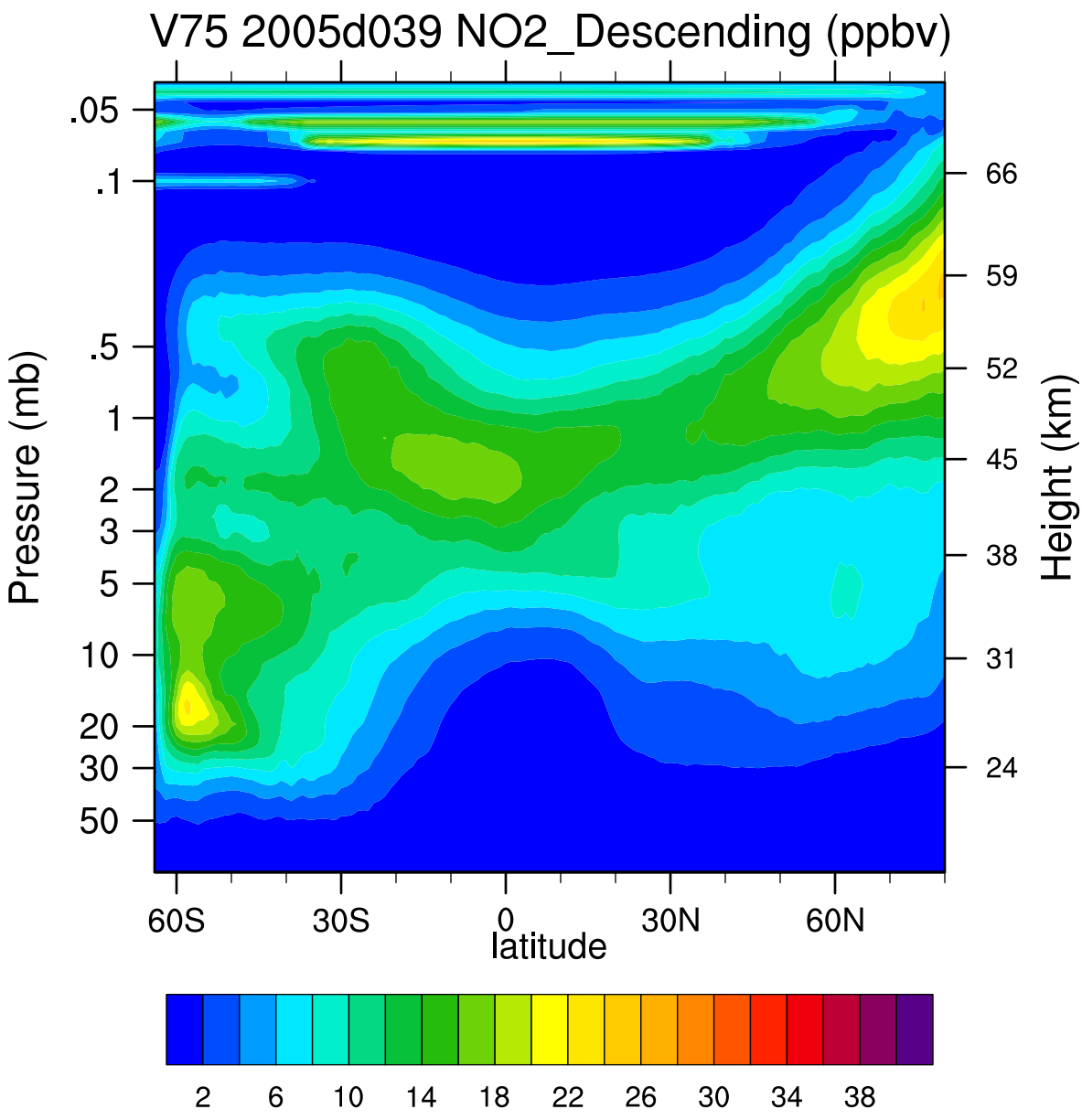
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Height (km)
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59
52
45
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30S
0
30N
60N
latitude
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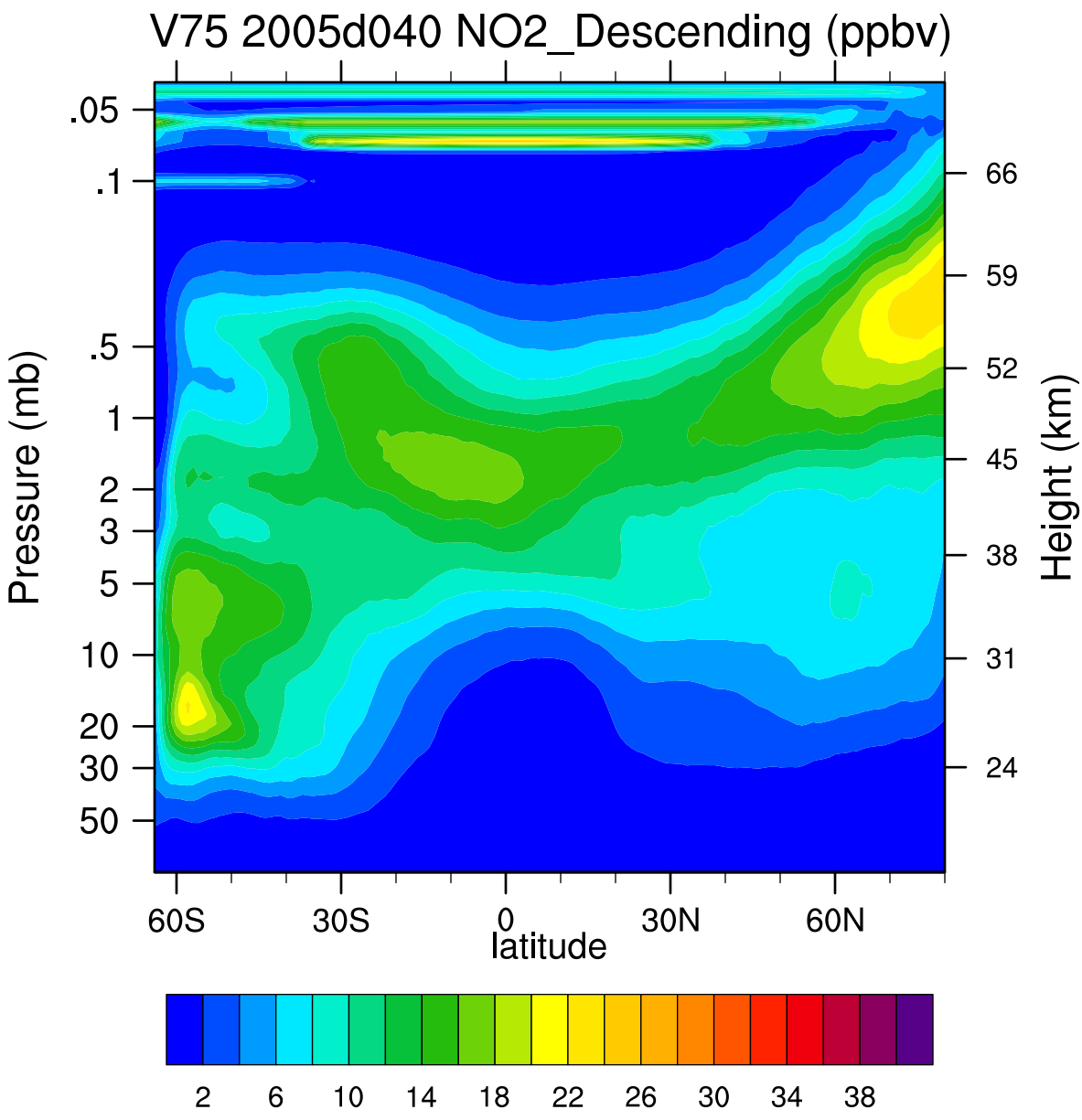
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Height (km)
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52
45
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30S
0
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60N
latitude
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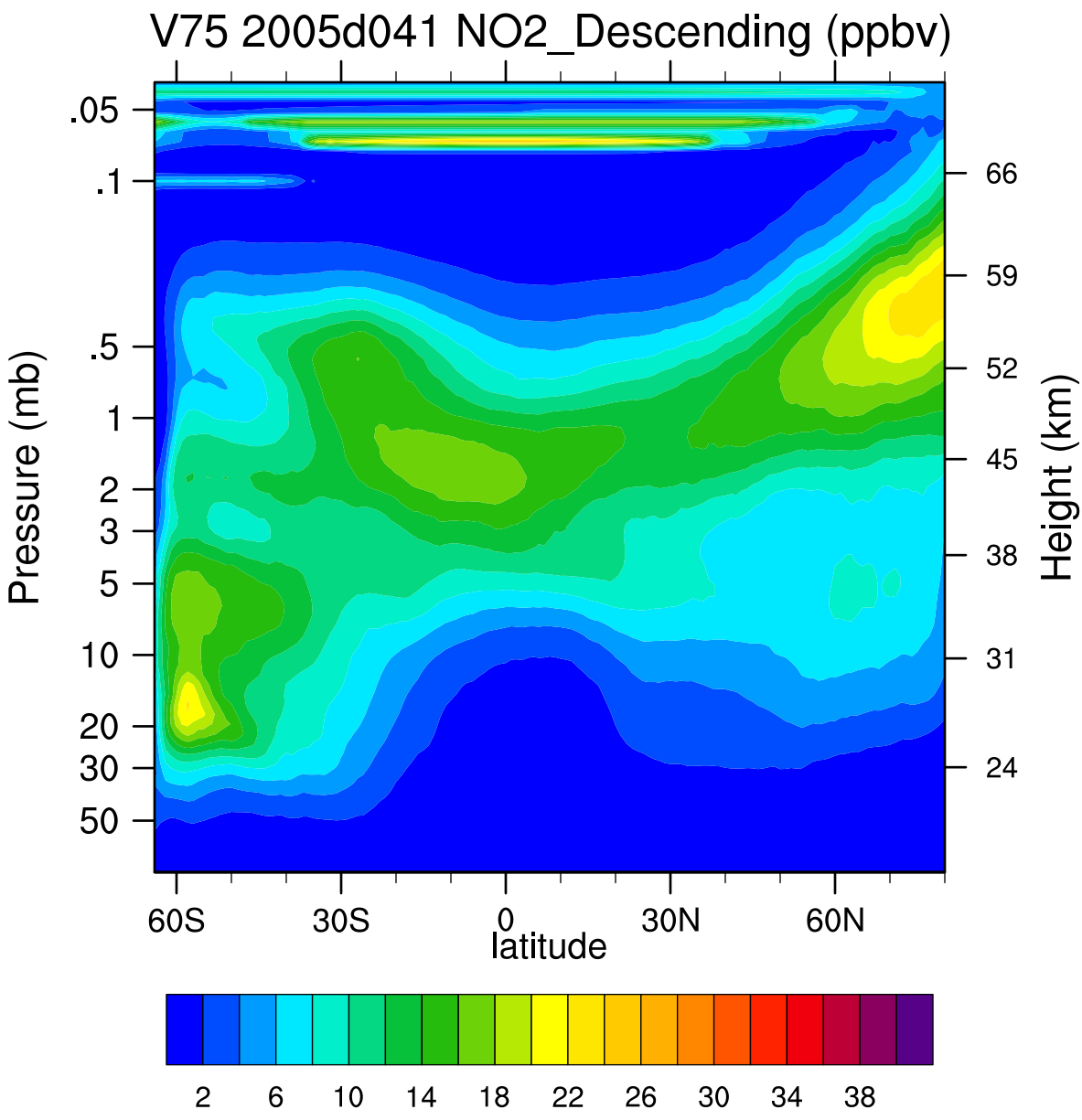
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Height (km)
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52
45
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30S
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60N
latitude
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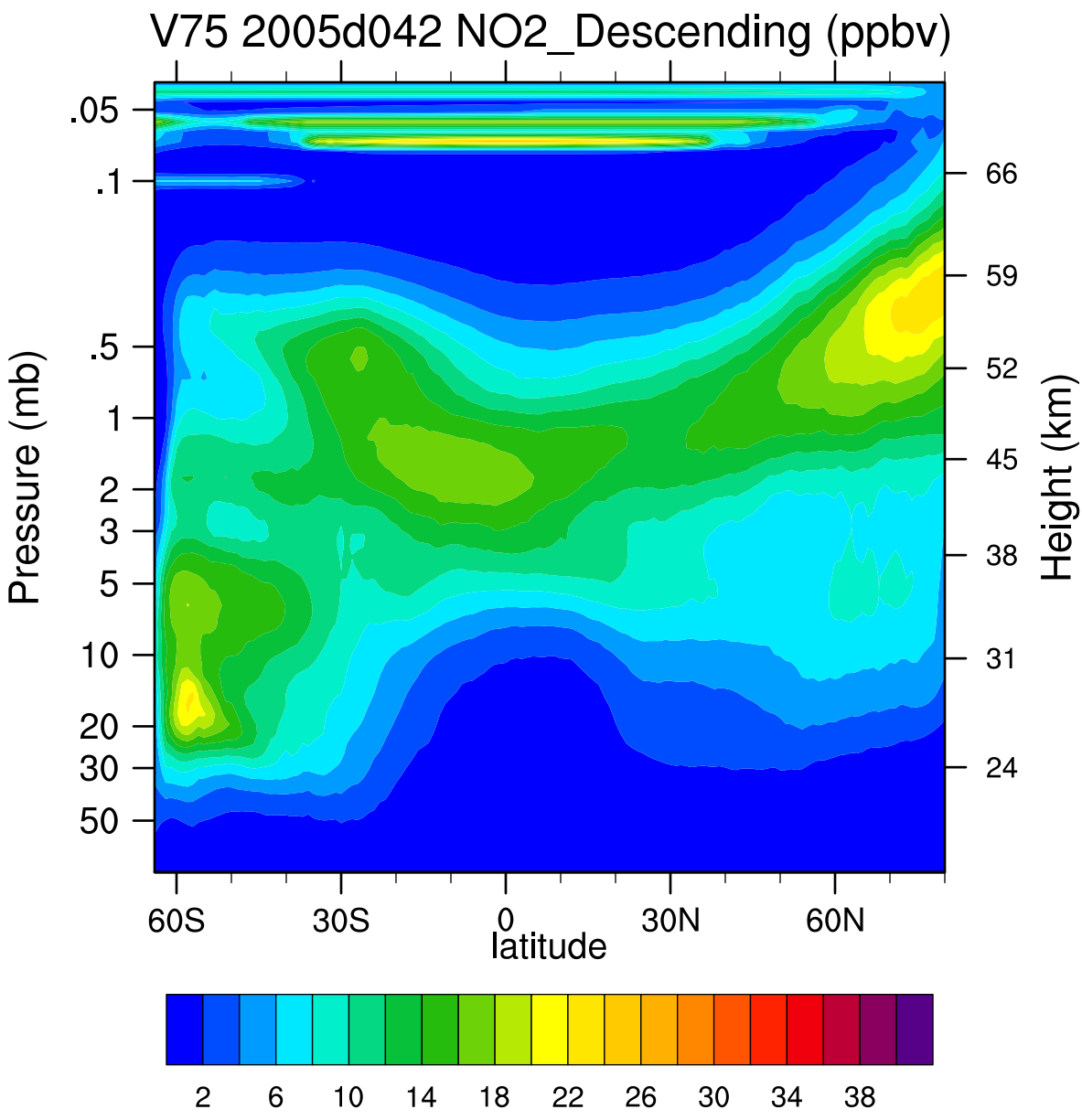
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Pressure (mb)
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38
31
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Height (km)
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0
30N
60N
latitude
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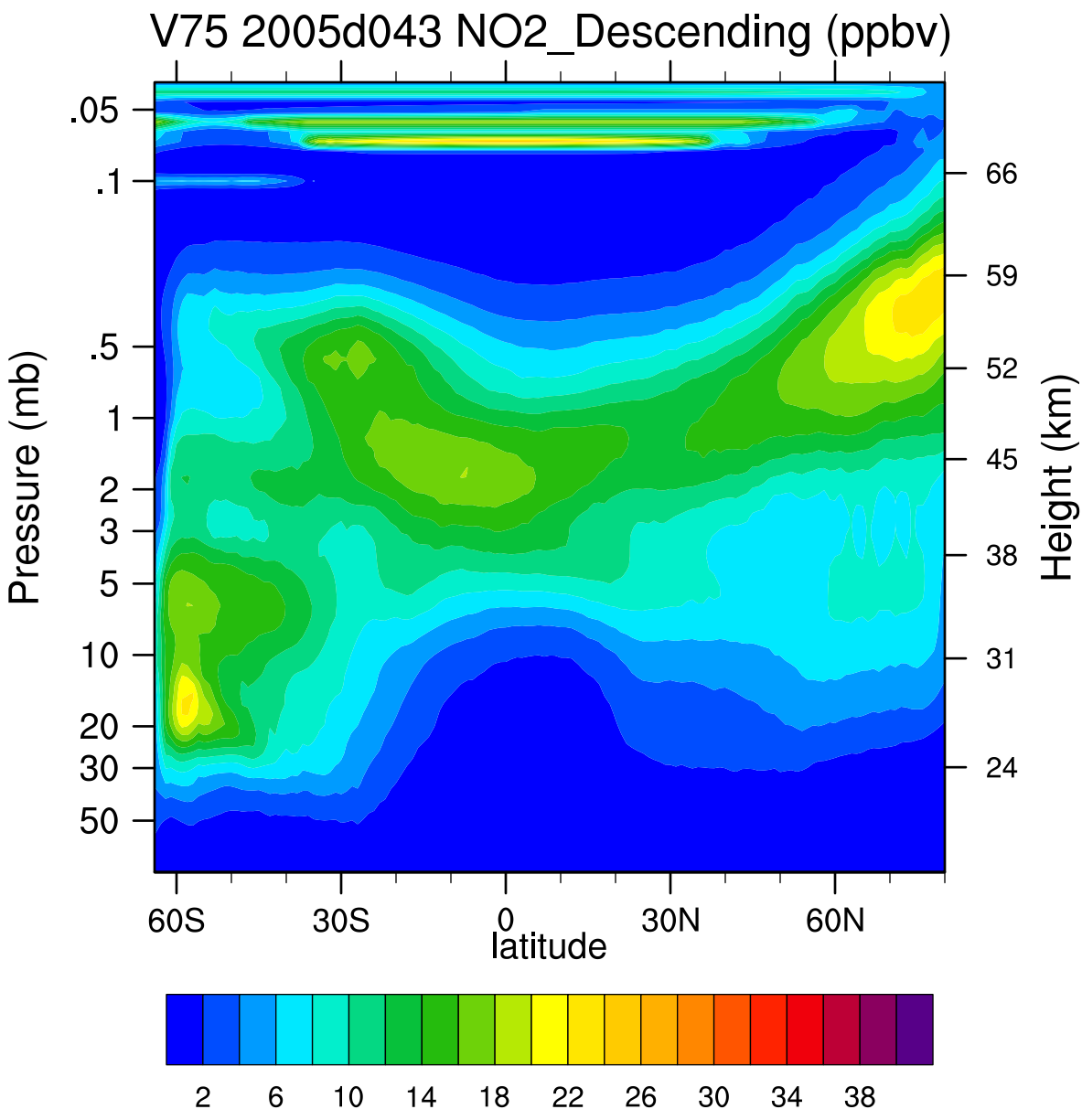
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Height (km)
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59
52
45
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30S
0
30N
60N
latitude
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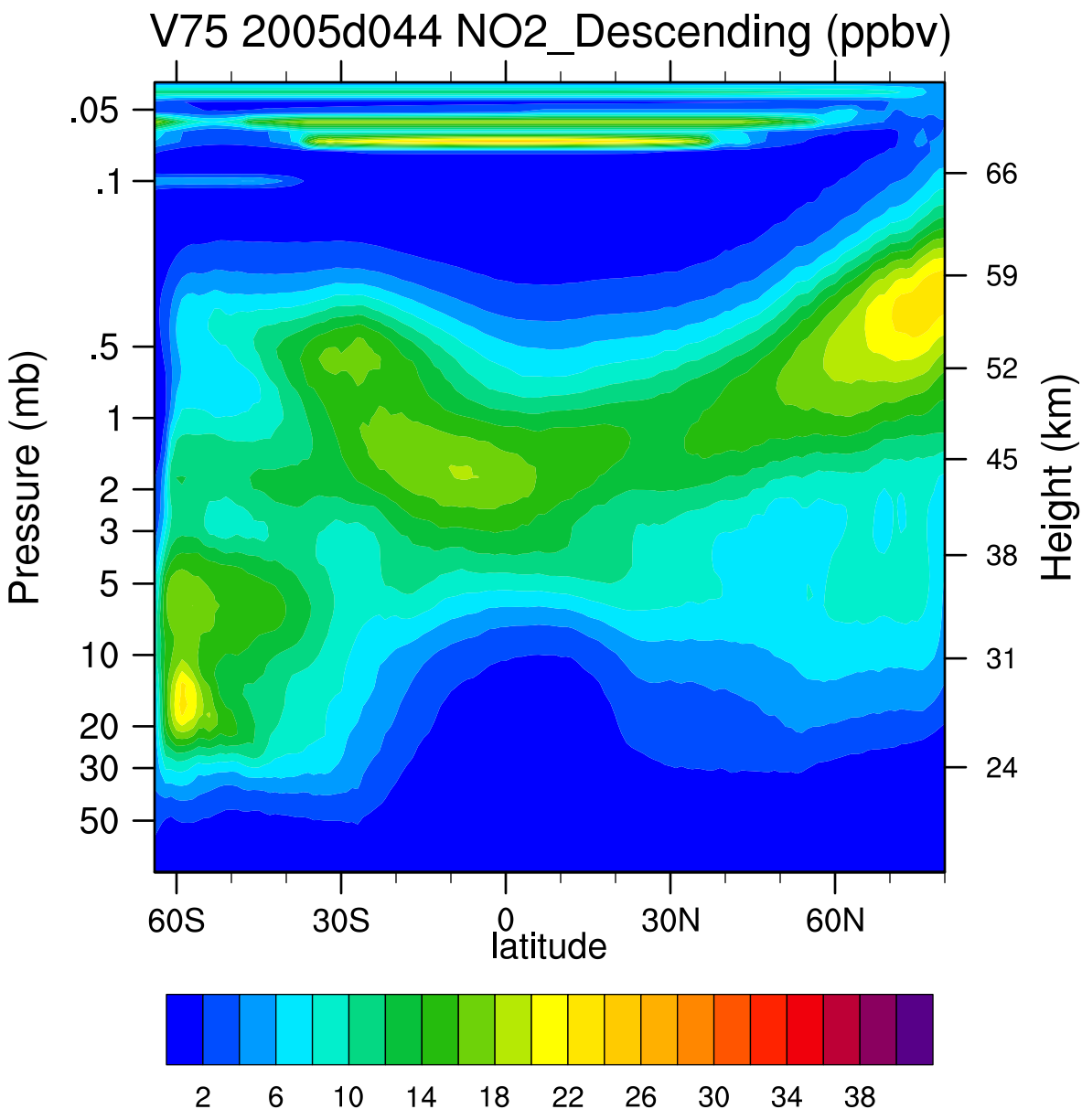
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Height (km)
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59
52
45
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30S
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latitude
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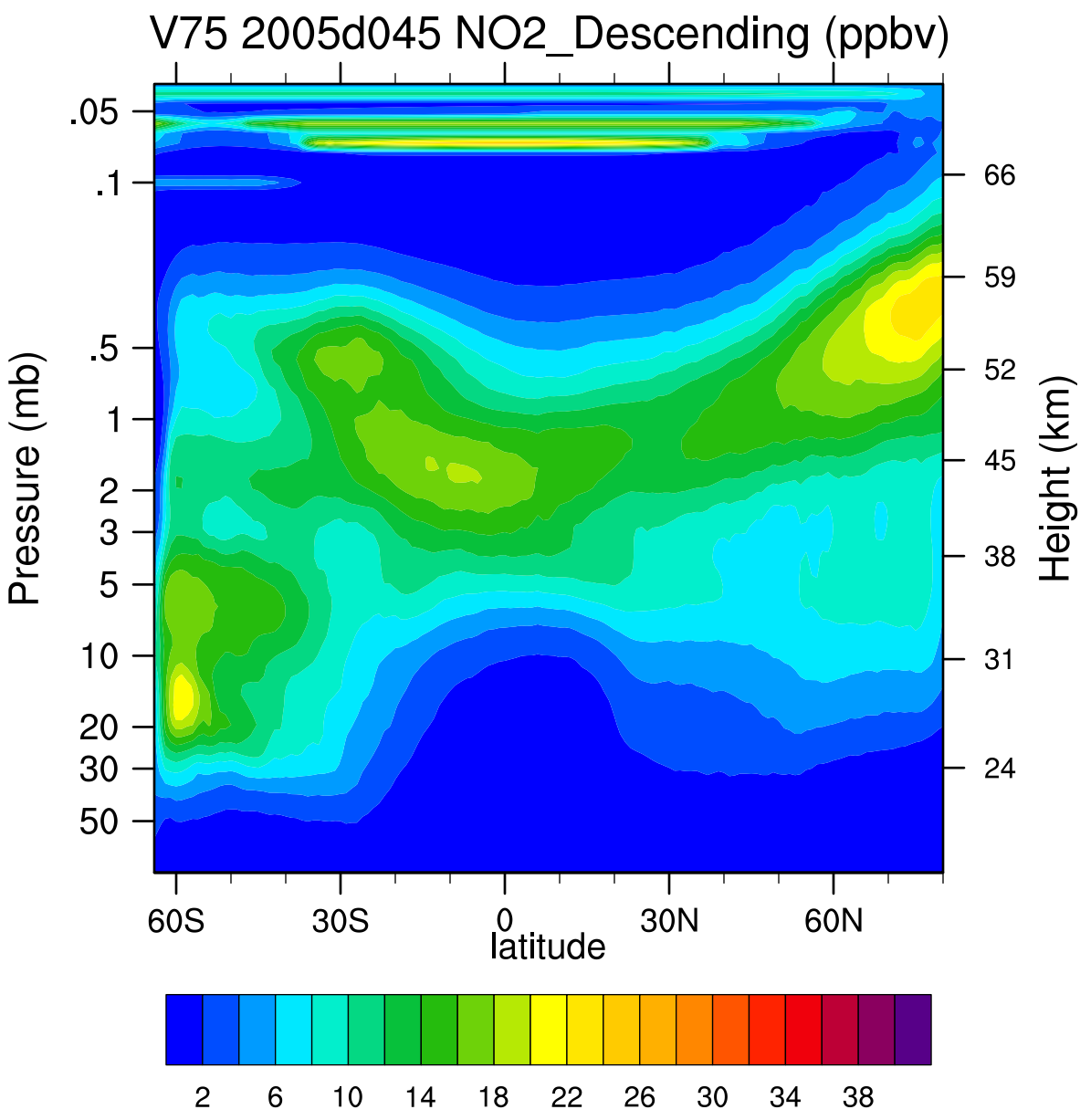
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Pressure (mb)
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38
31
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Height (km)
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30S
0
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latitude
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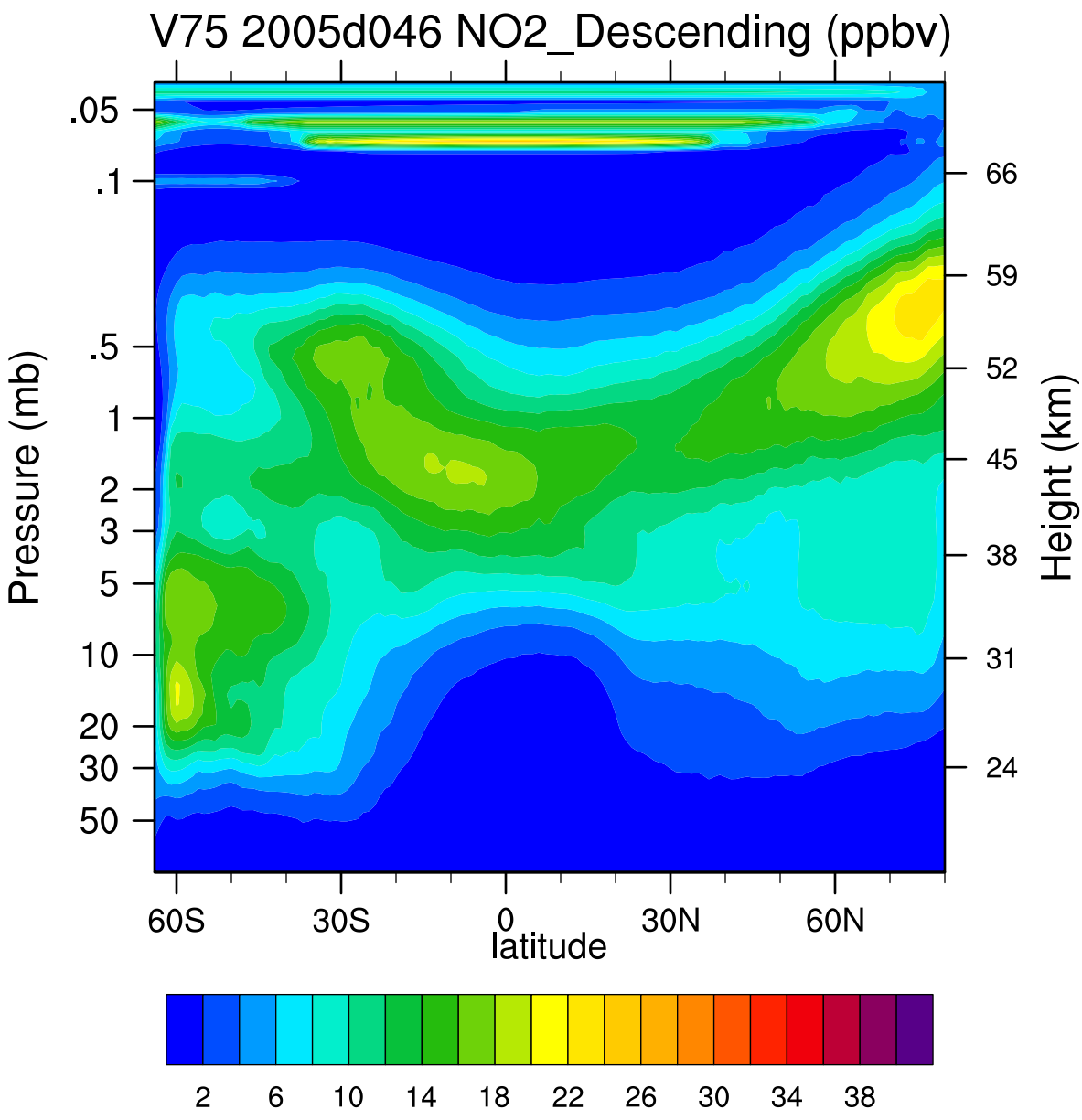
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Pressure (mb)
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Height (km)
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59
52
45
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30S
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60N
latitude
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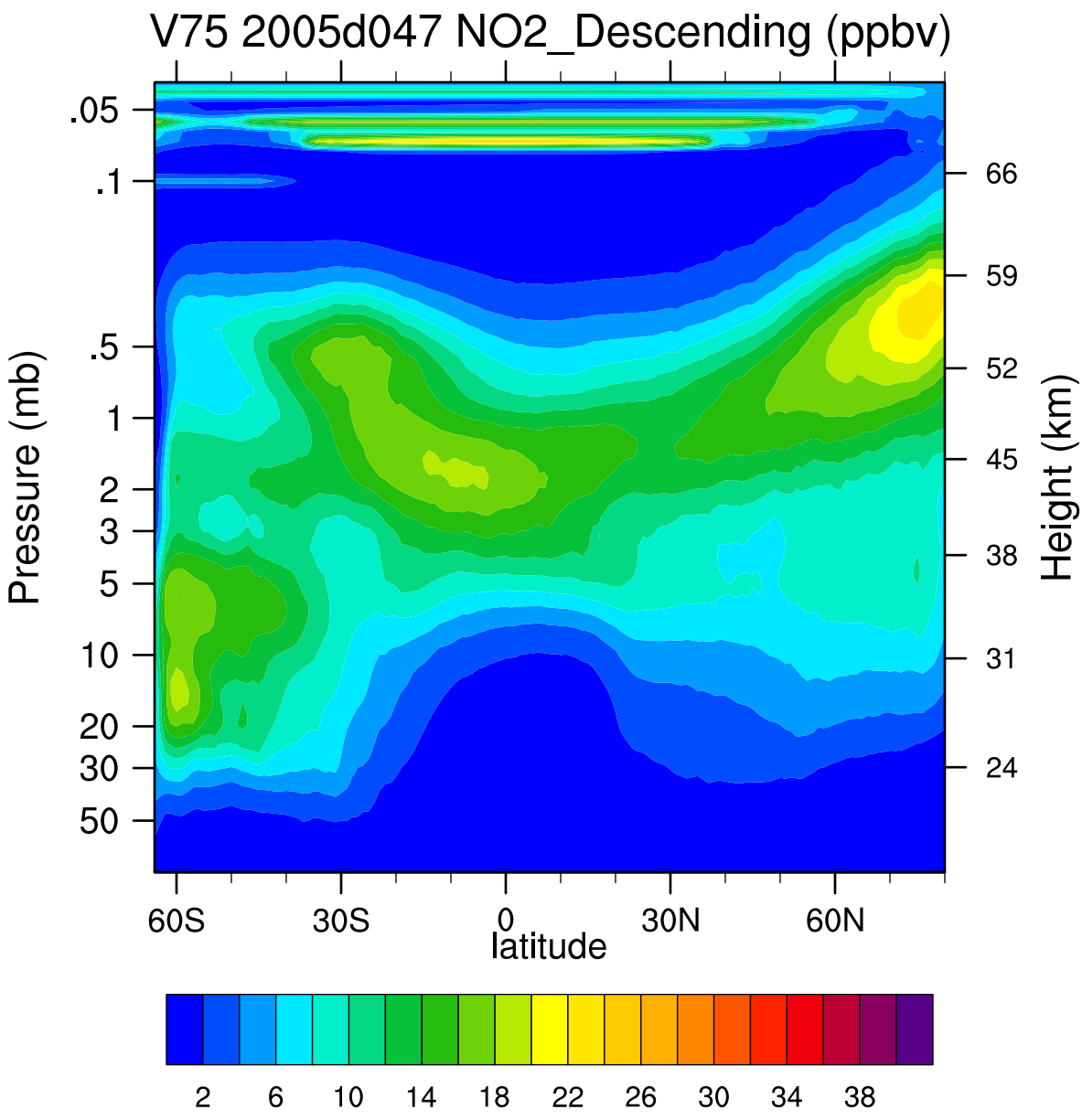
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Pressure (mb)
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Height (km)
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52
45
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30S
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60N
latitude
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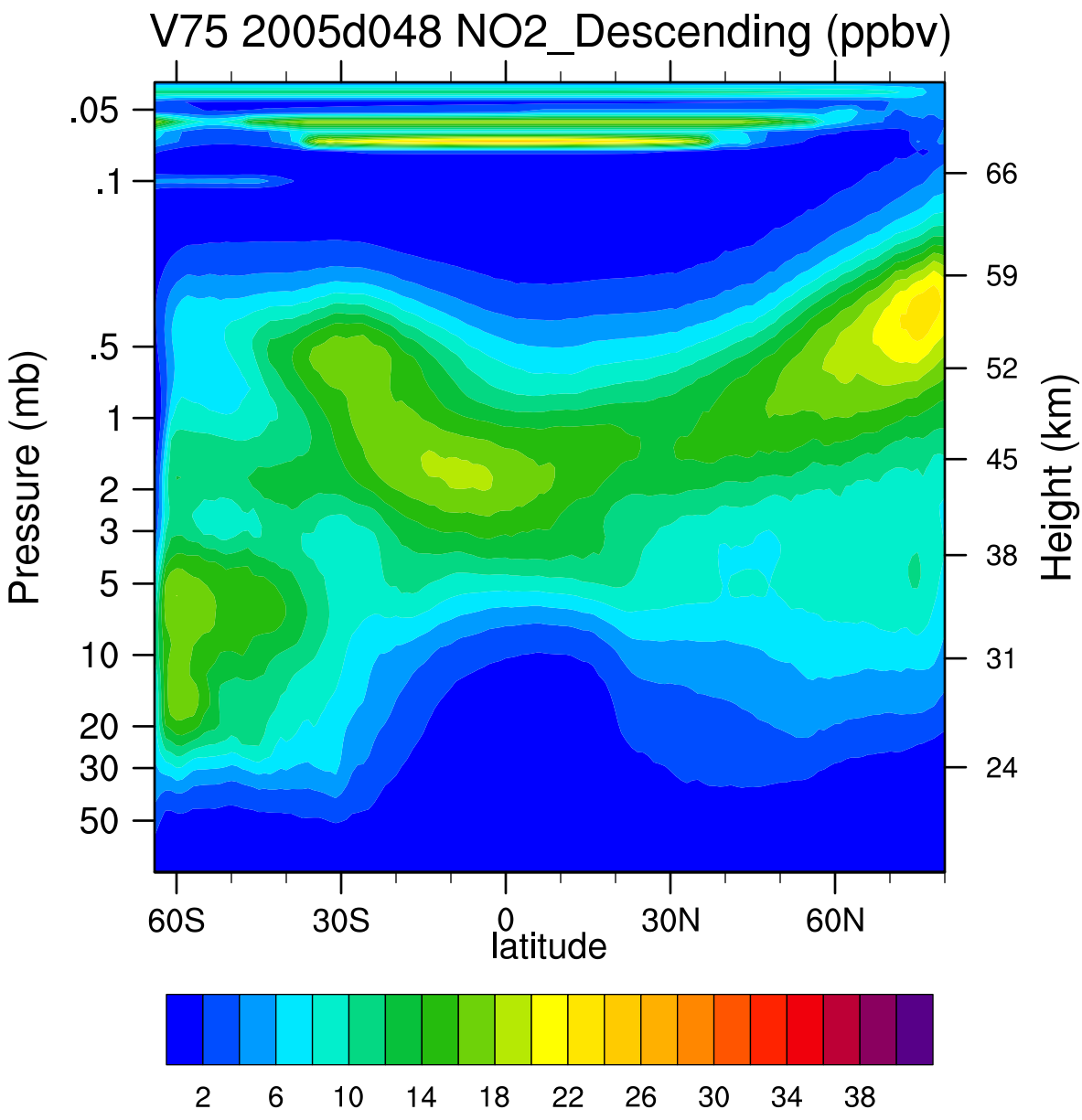
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Pressure (mb)
66
59
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Height (km)
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latitude
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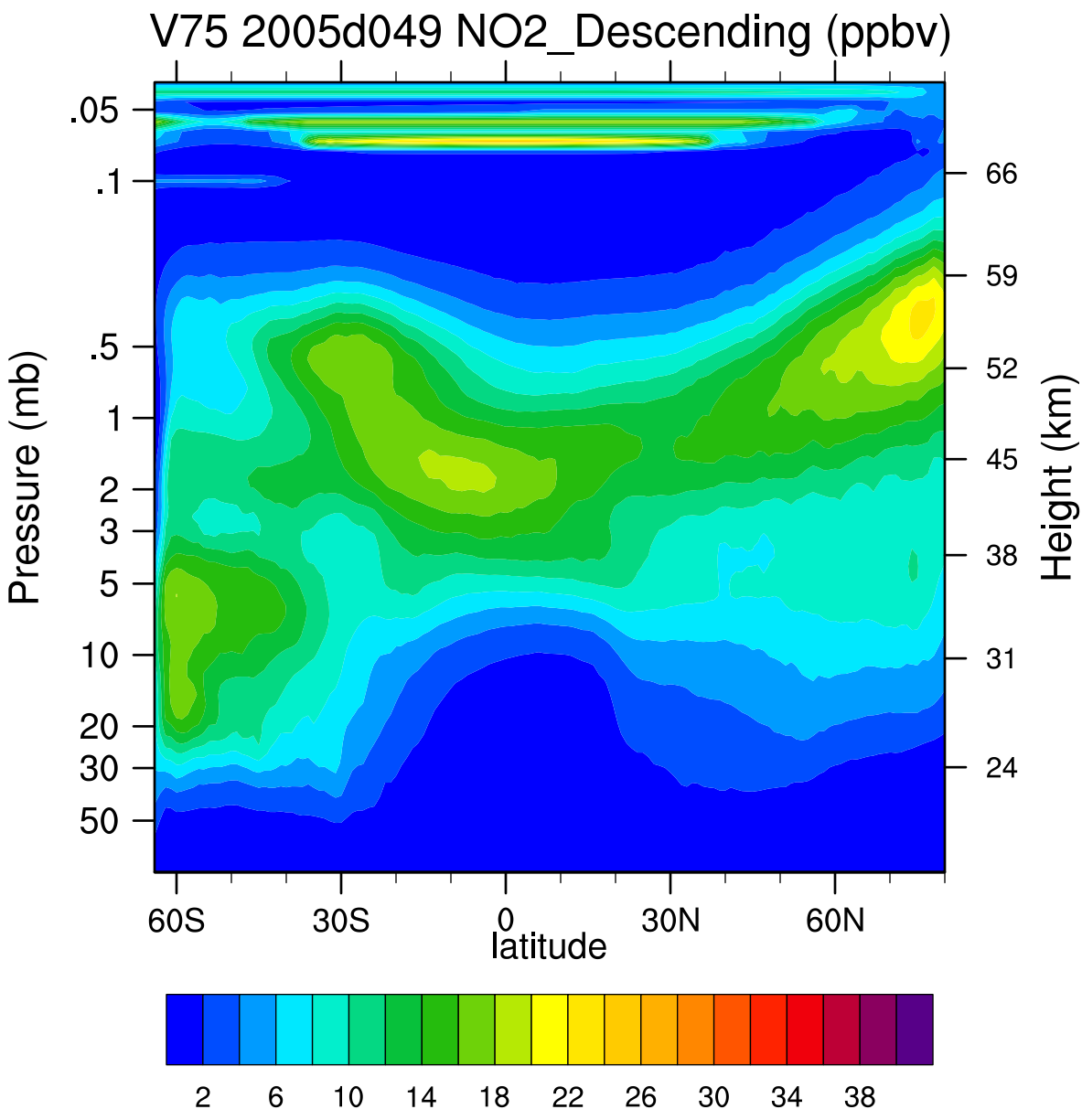
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Height (km)
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52
45
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60N
latitude
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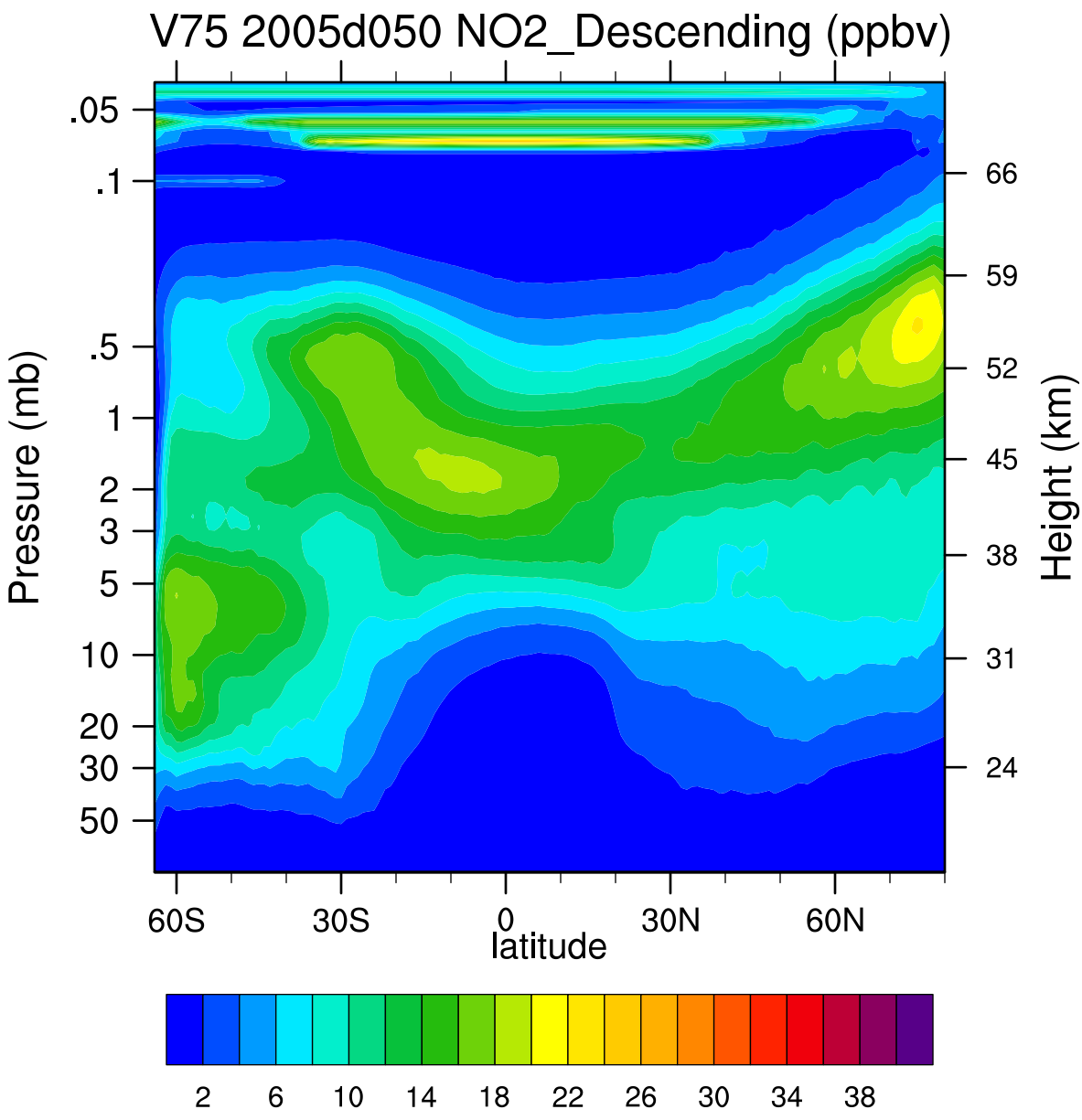
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Height (km)
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45
38
31
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60N
latitude
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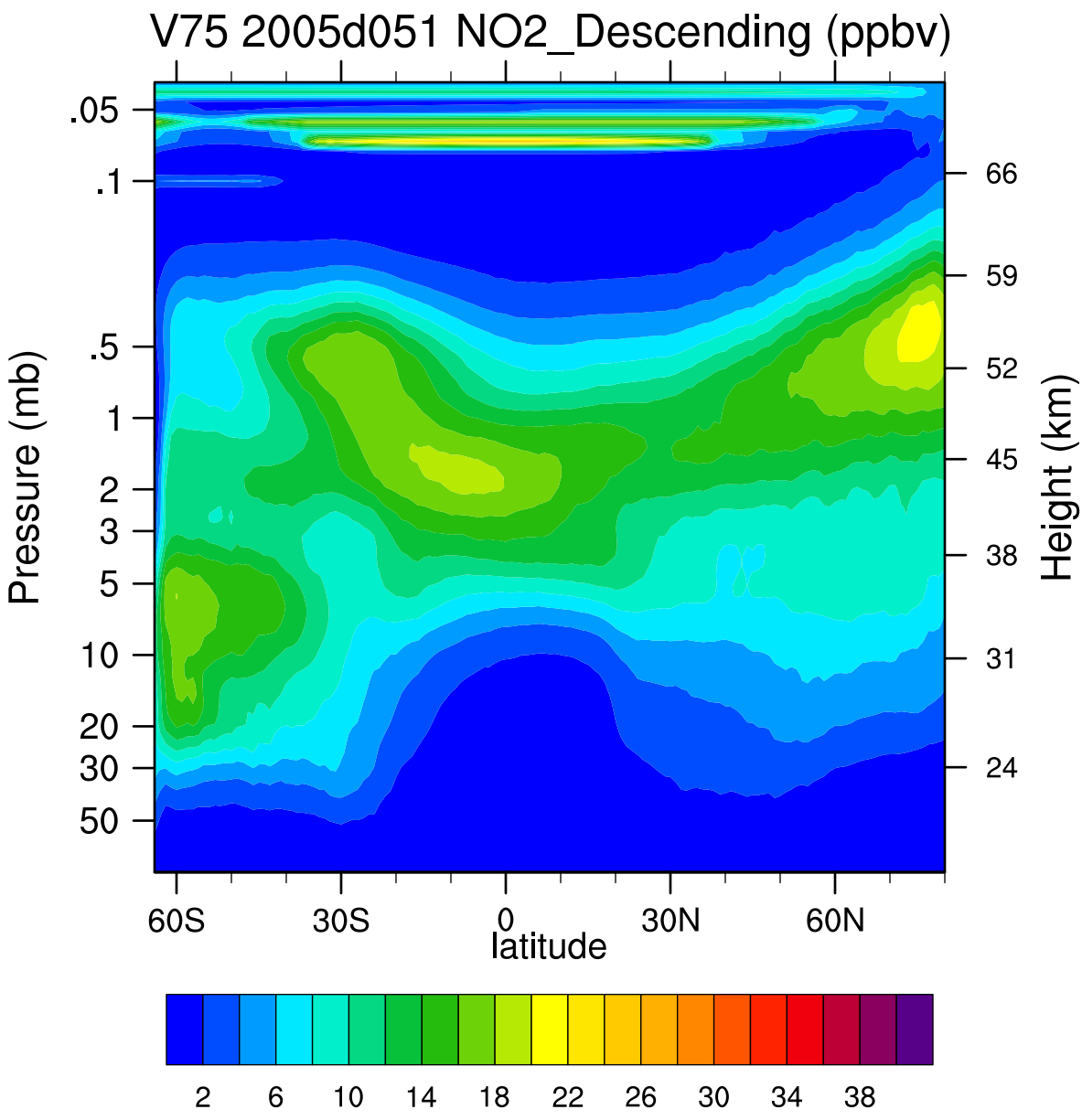
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Pressure (mb)
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1
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5
10
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Height (km)
66
59
52
45
38
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30S
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60N
latitude
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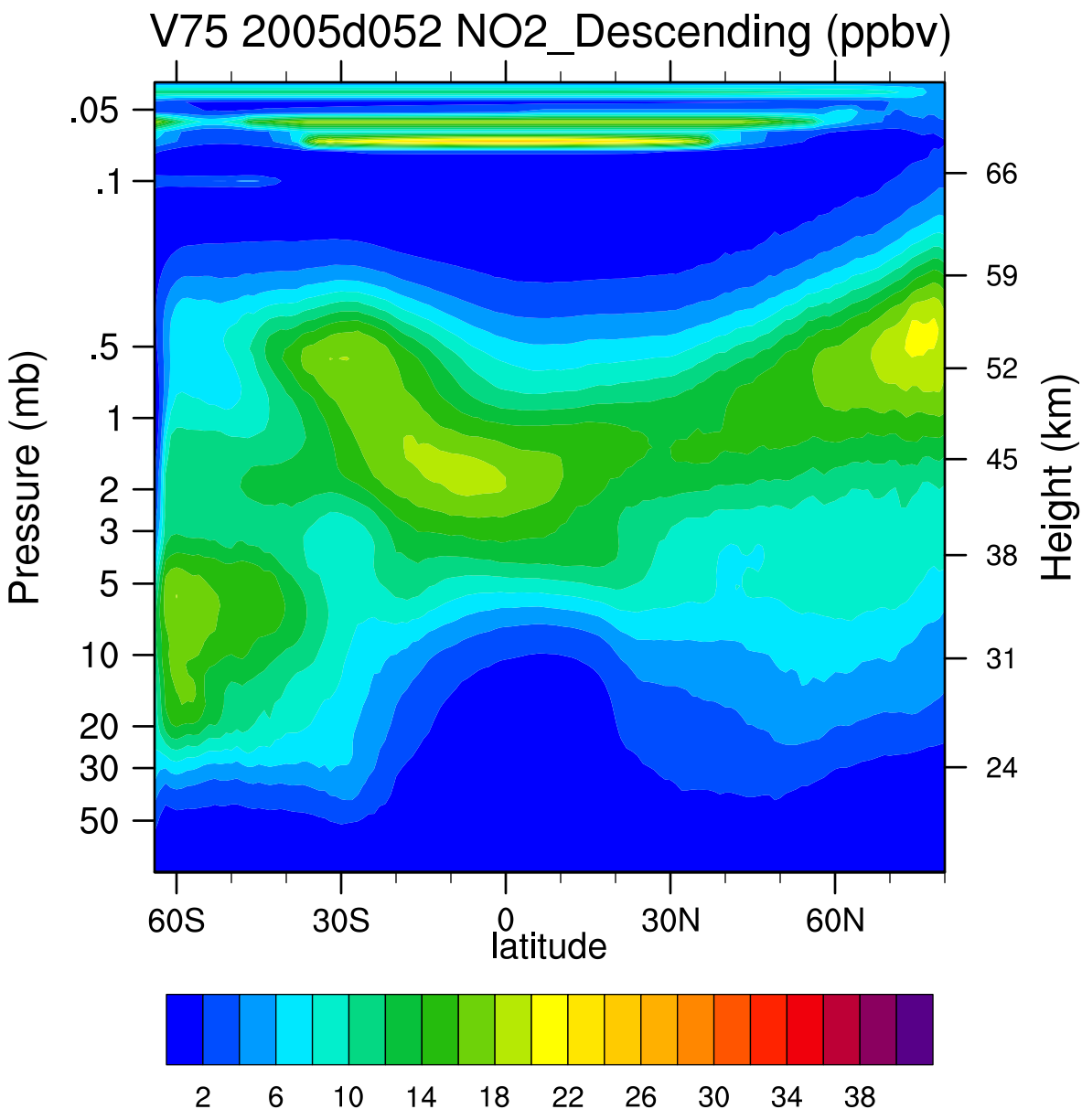
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Height (km)
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59
52
45
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60N
latitude
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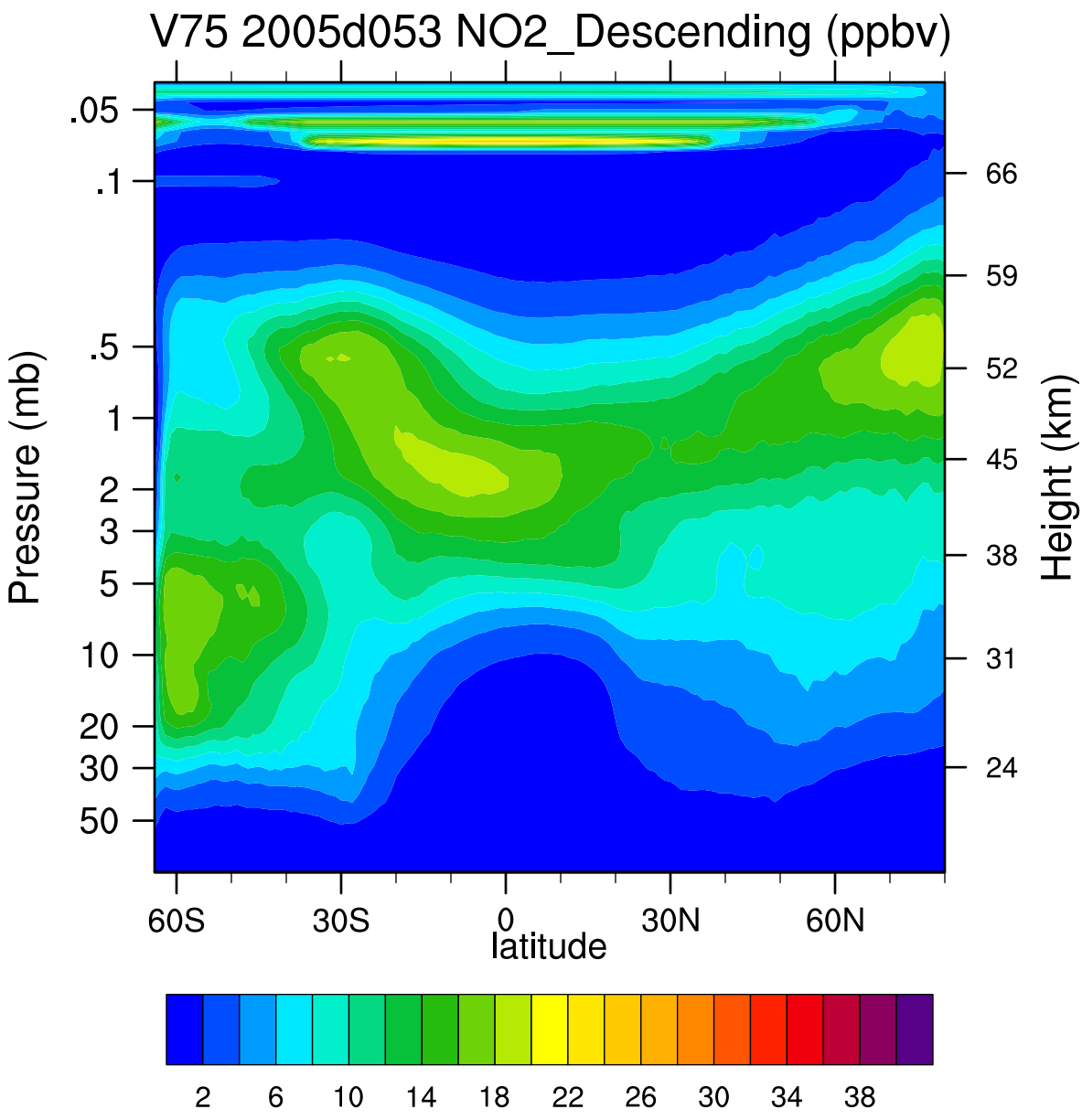
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Pressure (mb)
66
59
52
45
38
31
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Height (km)
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60N
latitude
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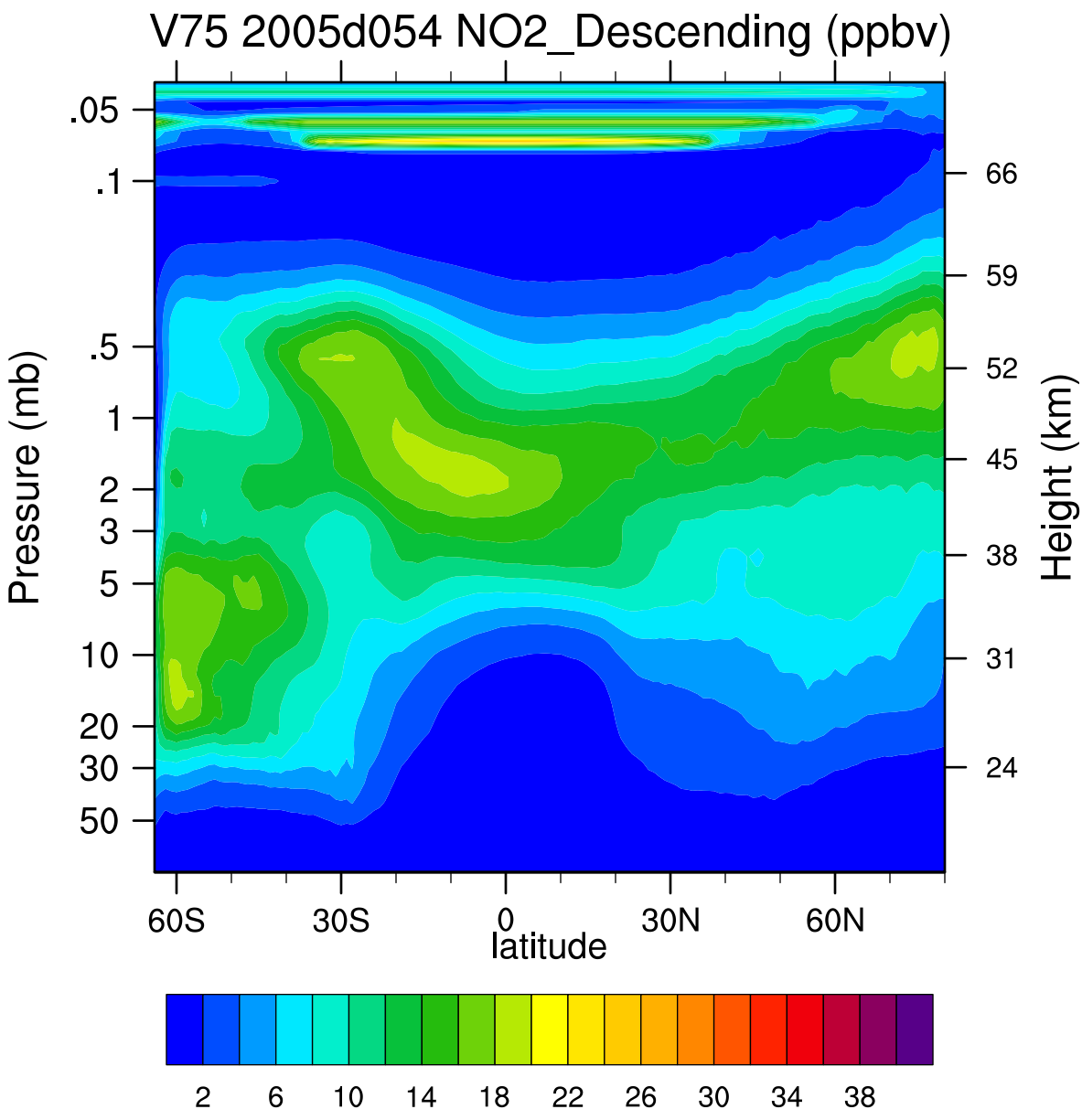
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Pressure (mb)
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59
52
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38
31
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Height (km)
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30N
60N
latitude
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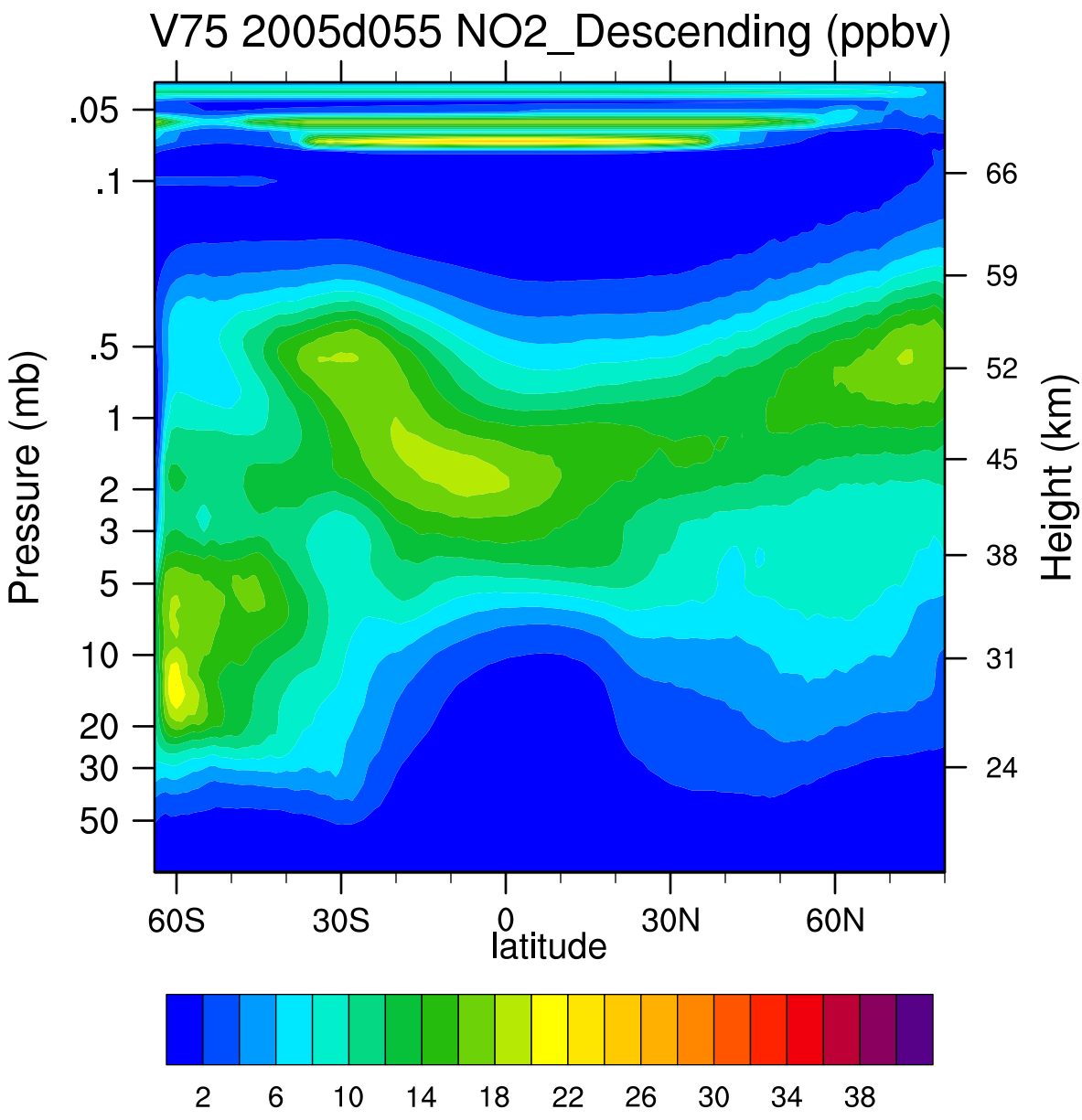
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Height (km)
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latitude
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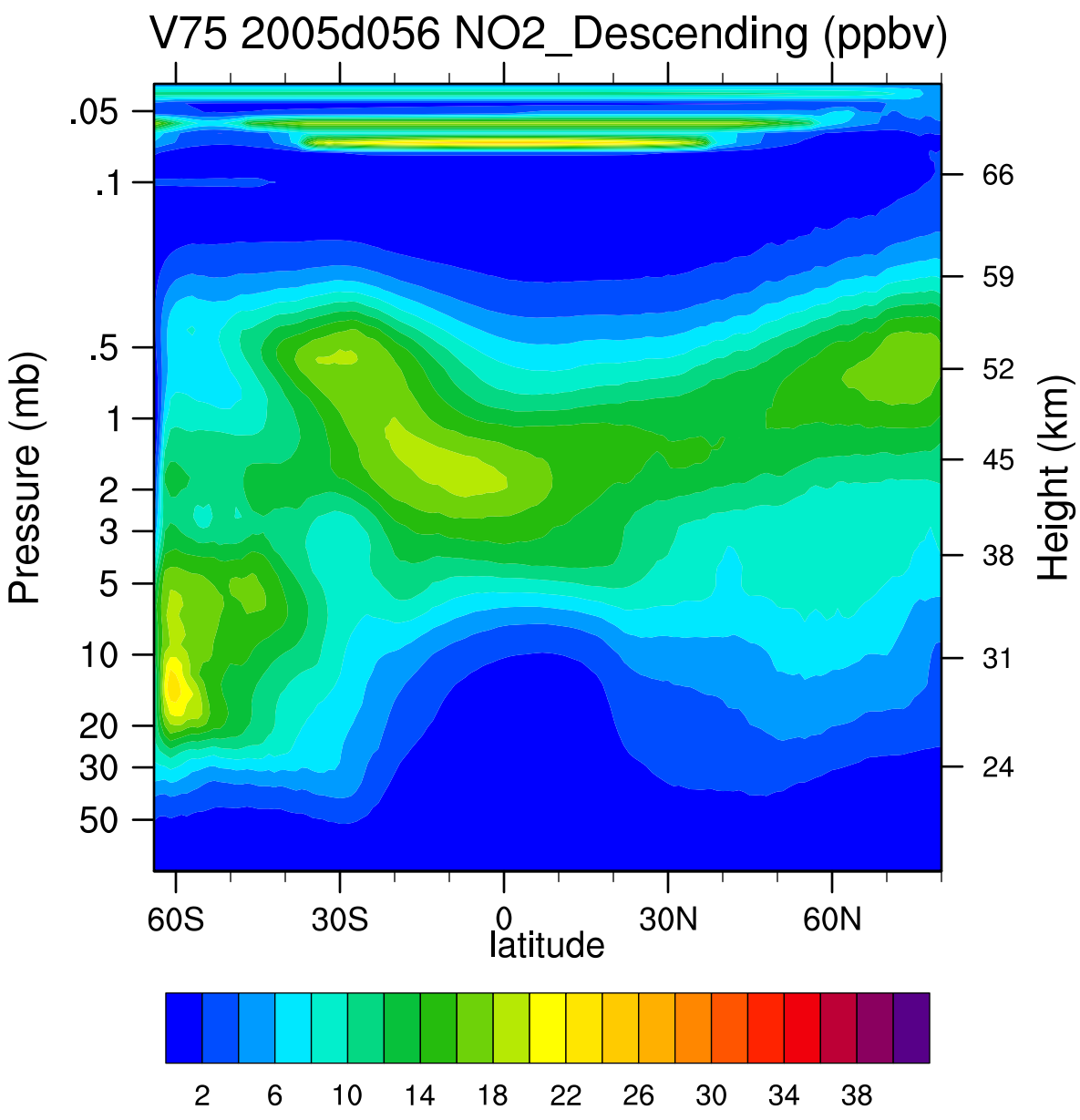
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Height (km)
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latitude
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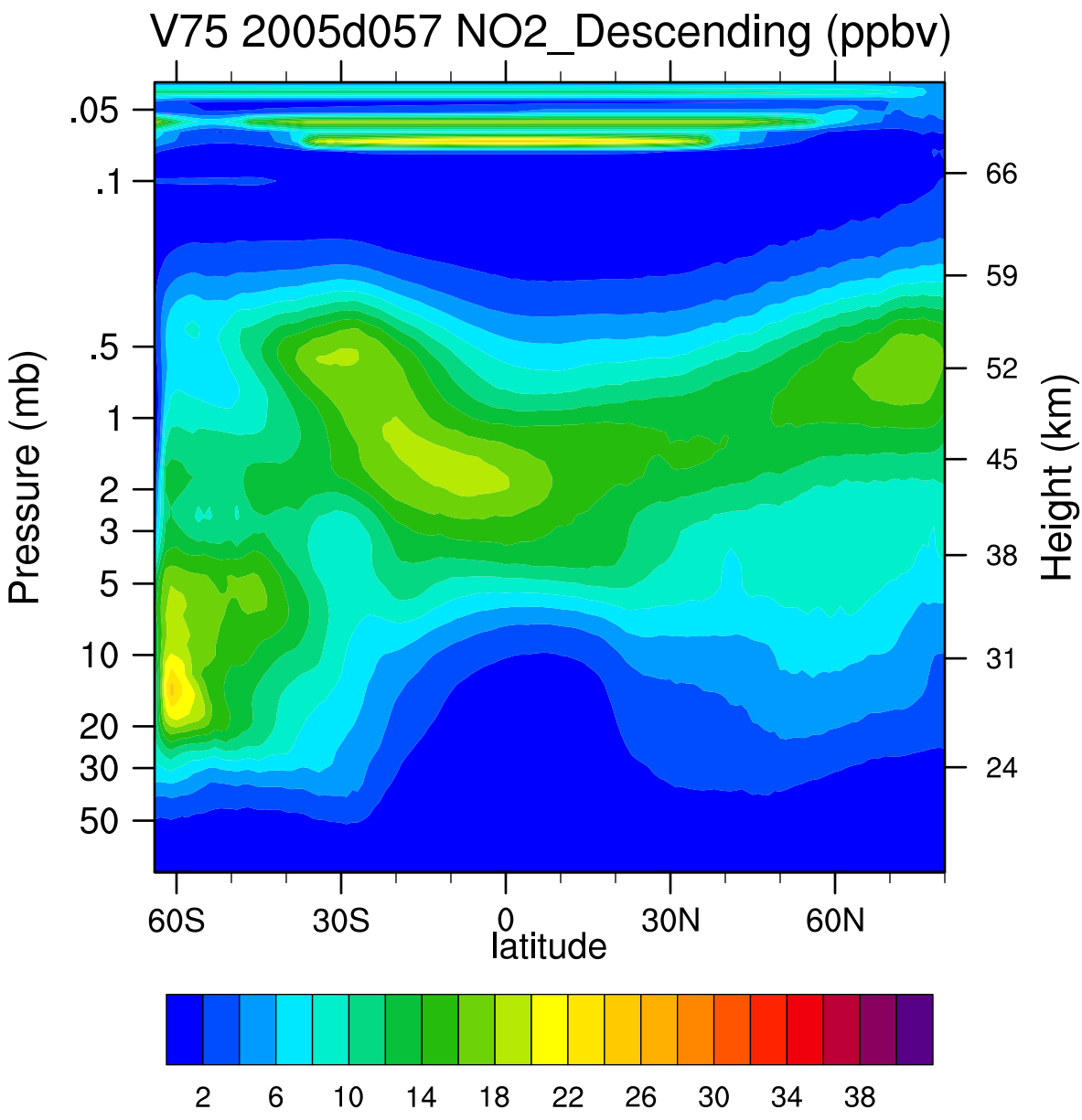
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latitude
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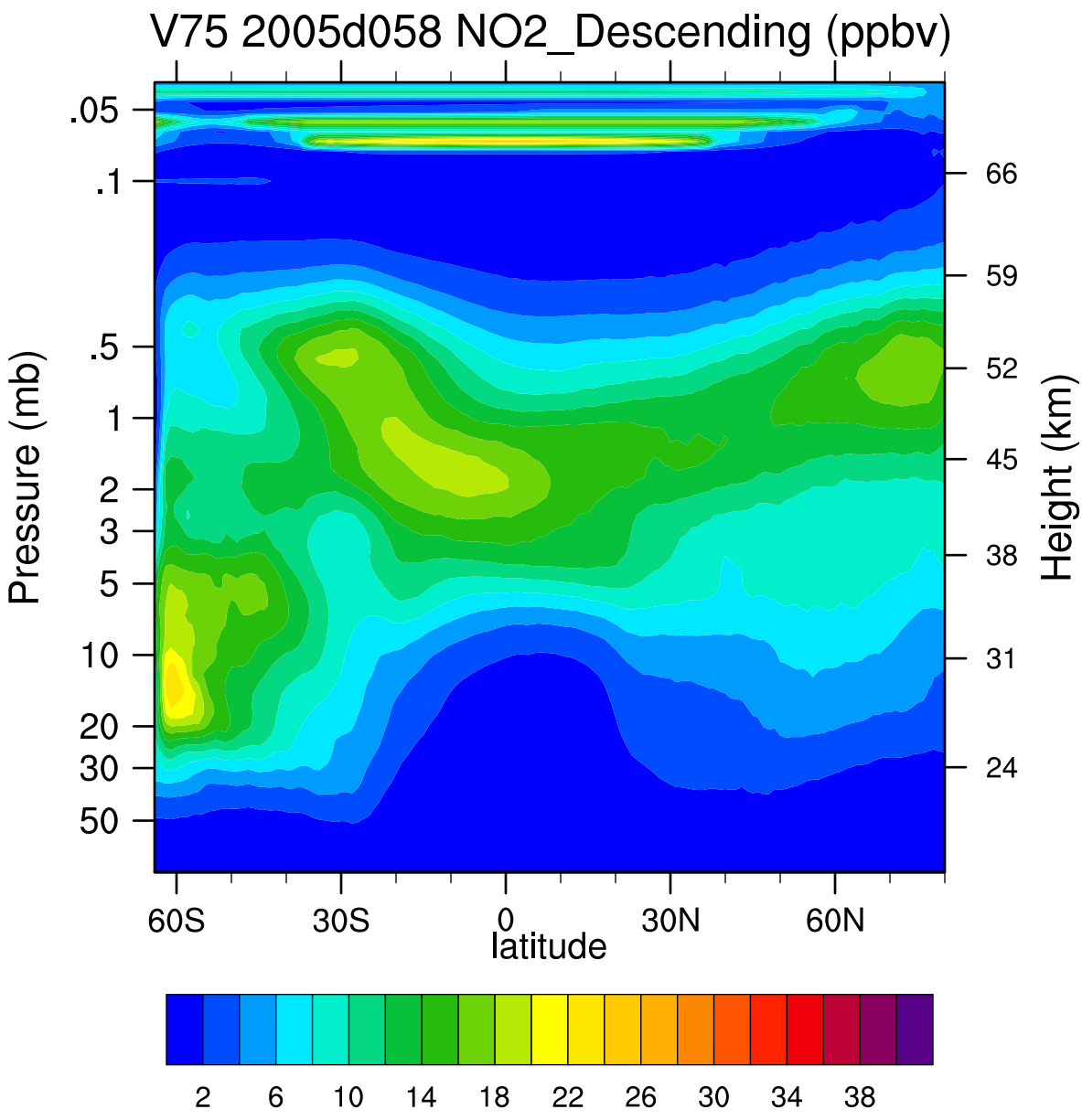
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Height (km)
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latitude
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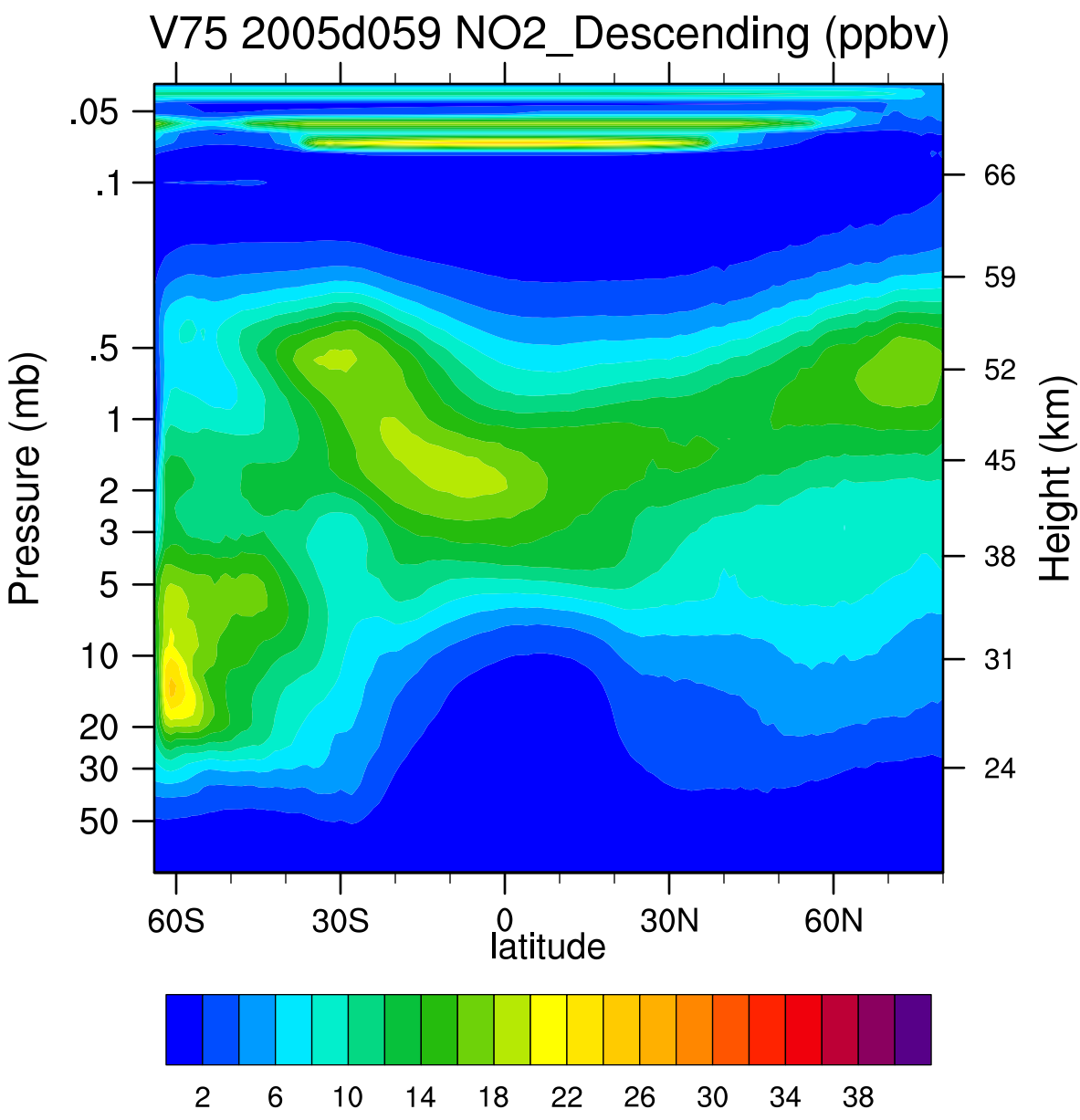
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Height (km)
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latitude
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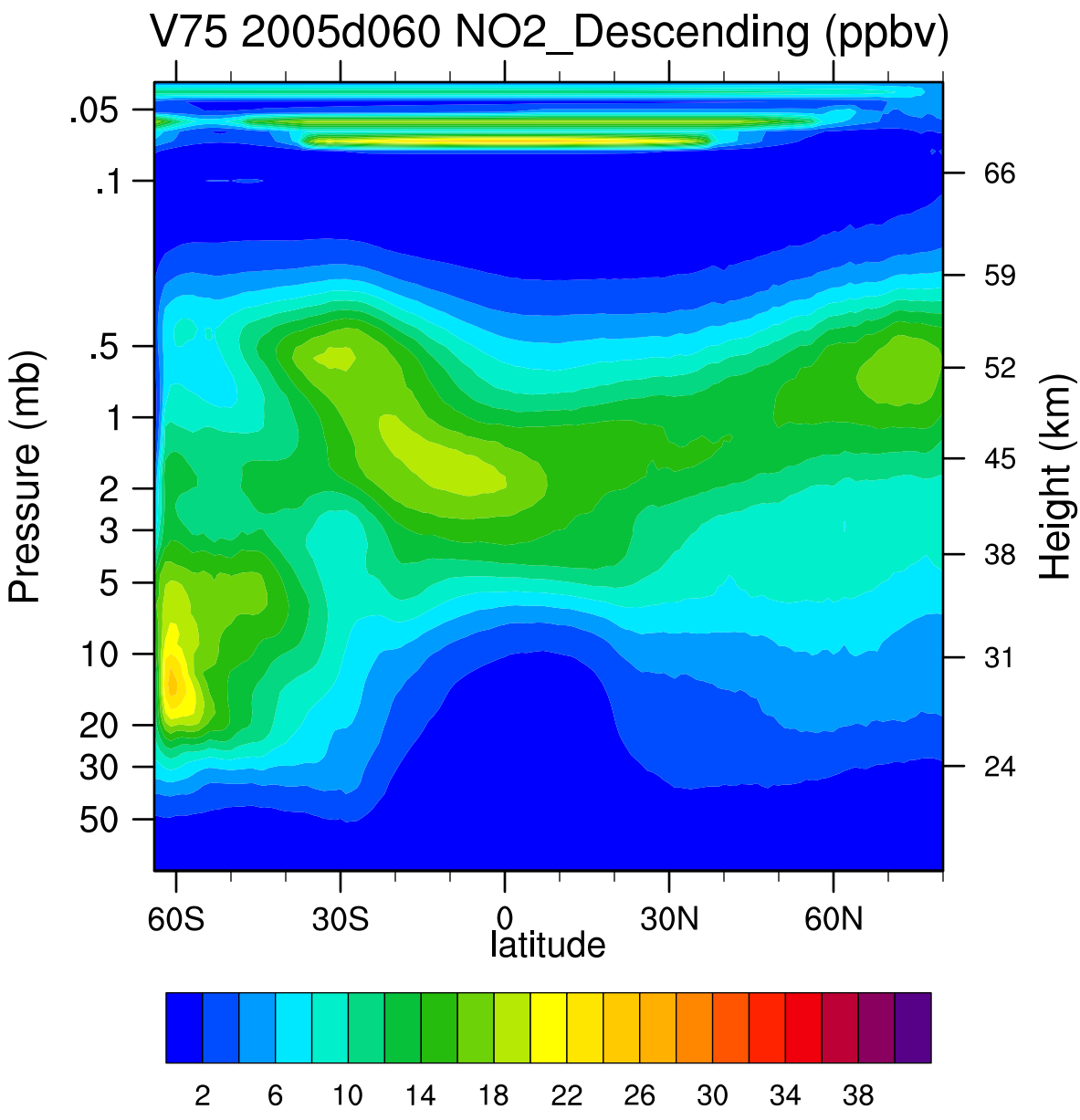
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latitude
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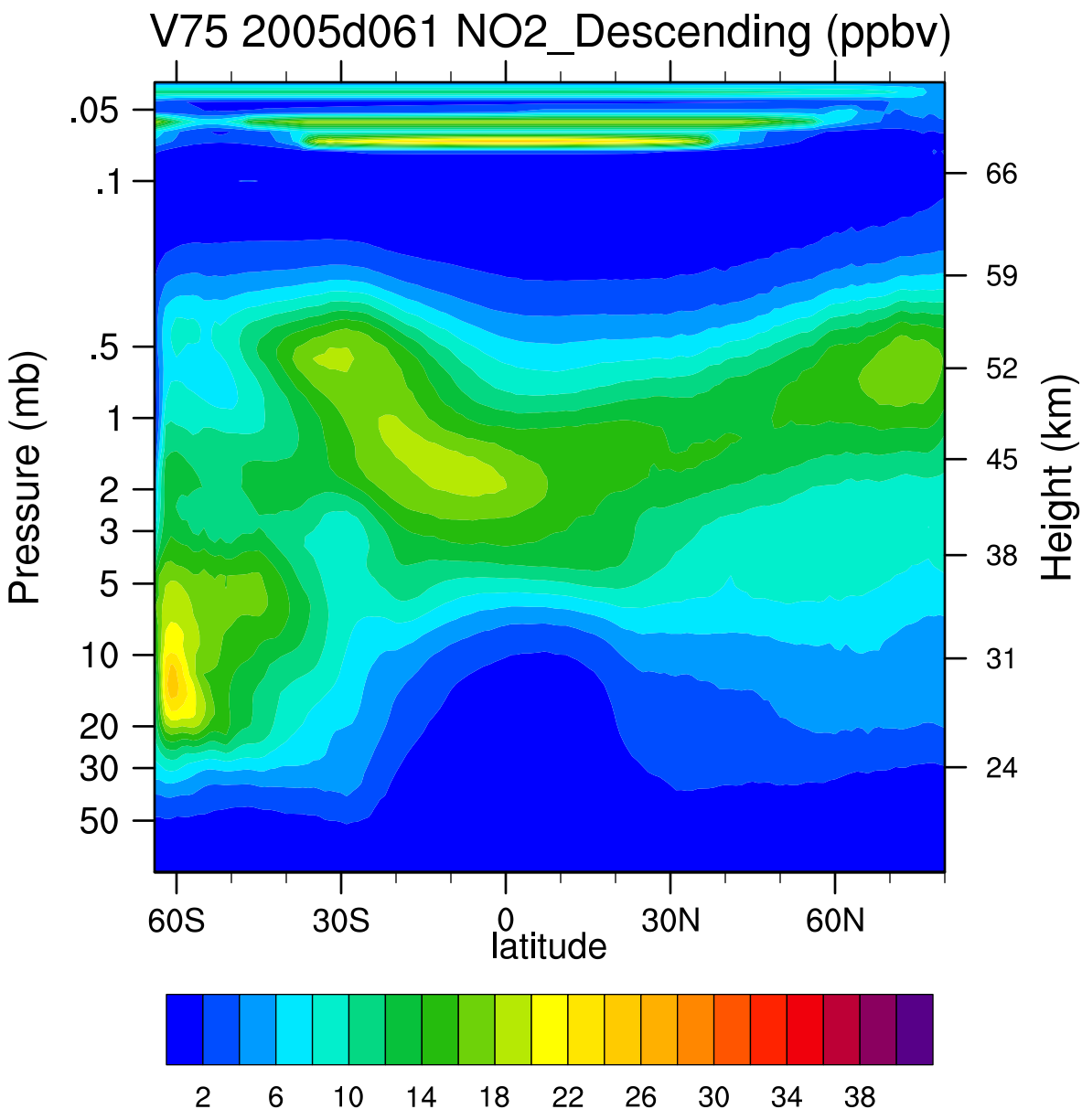
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Height (km)
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latitude
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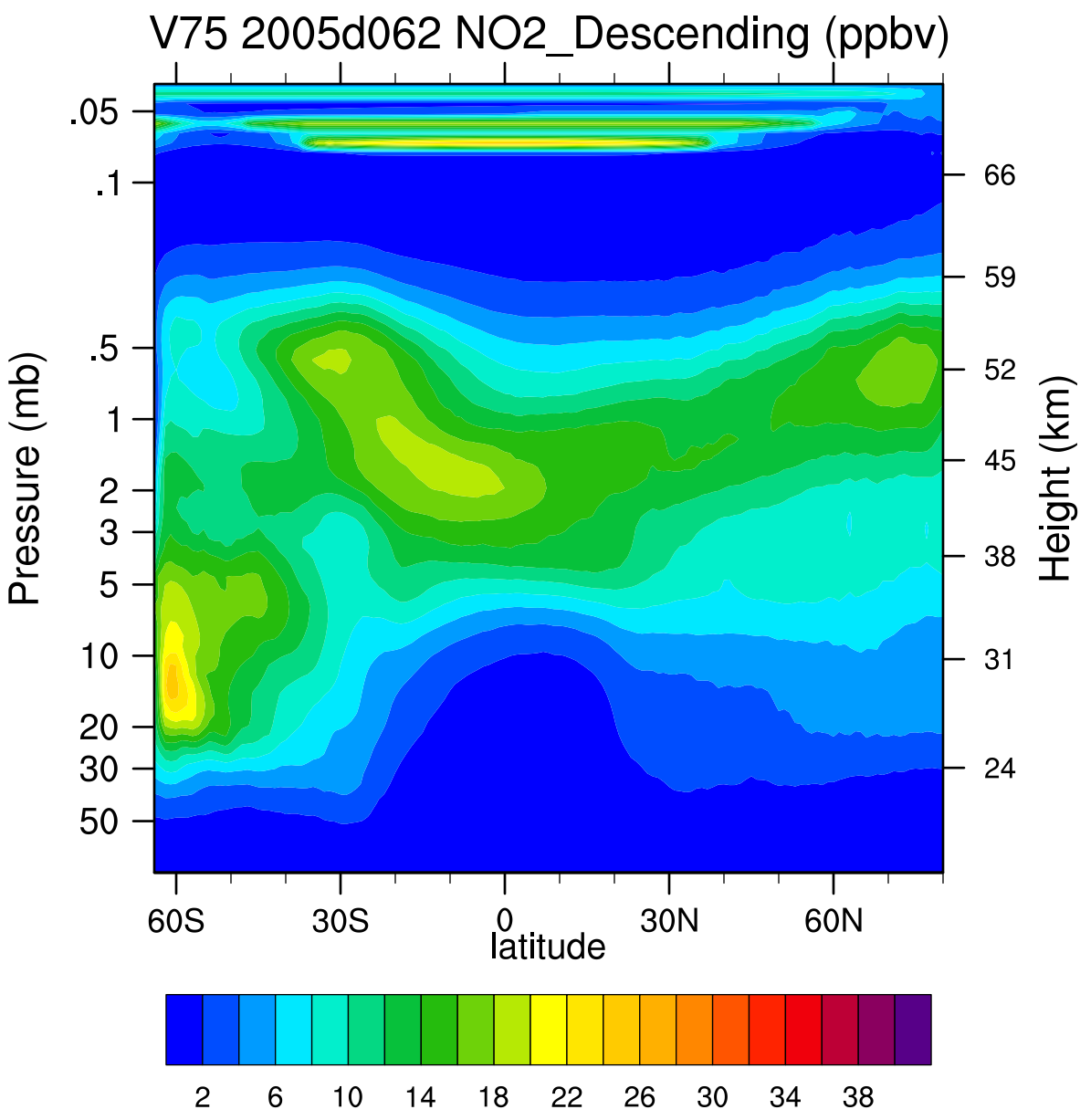
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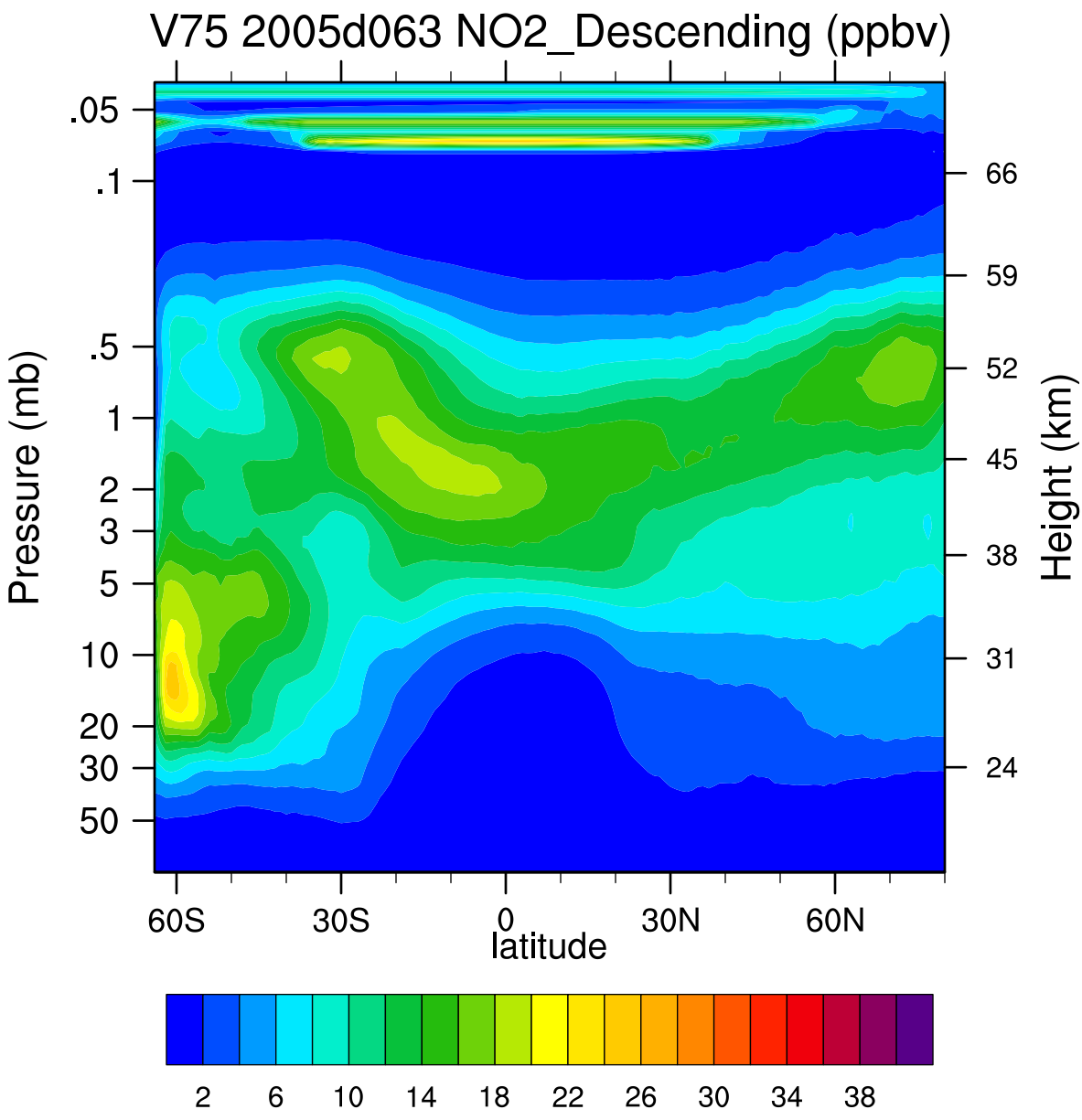
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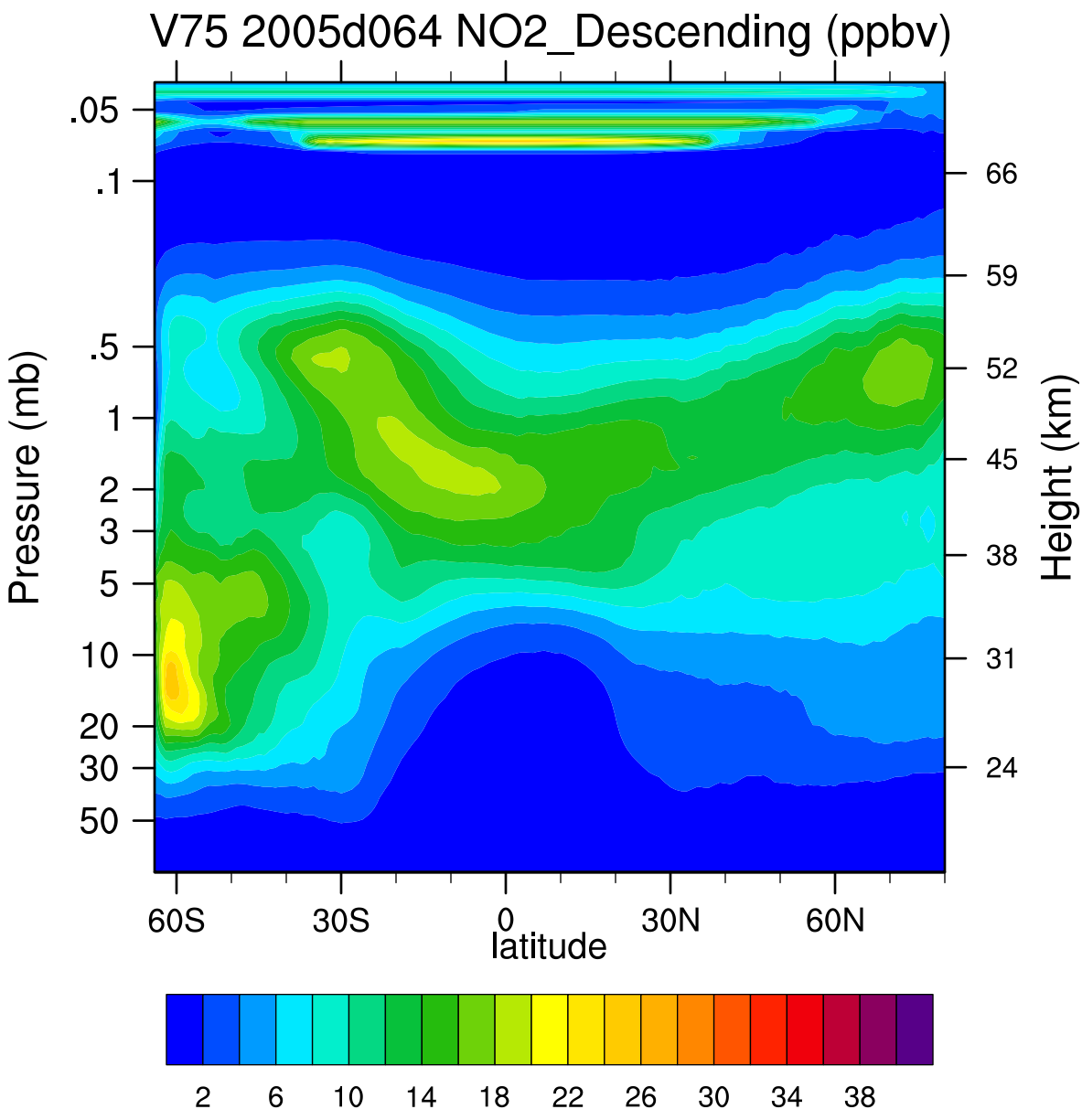
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Height (km)
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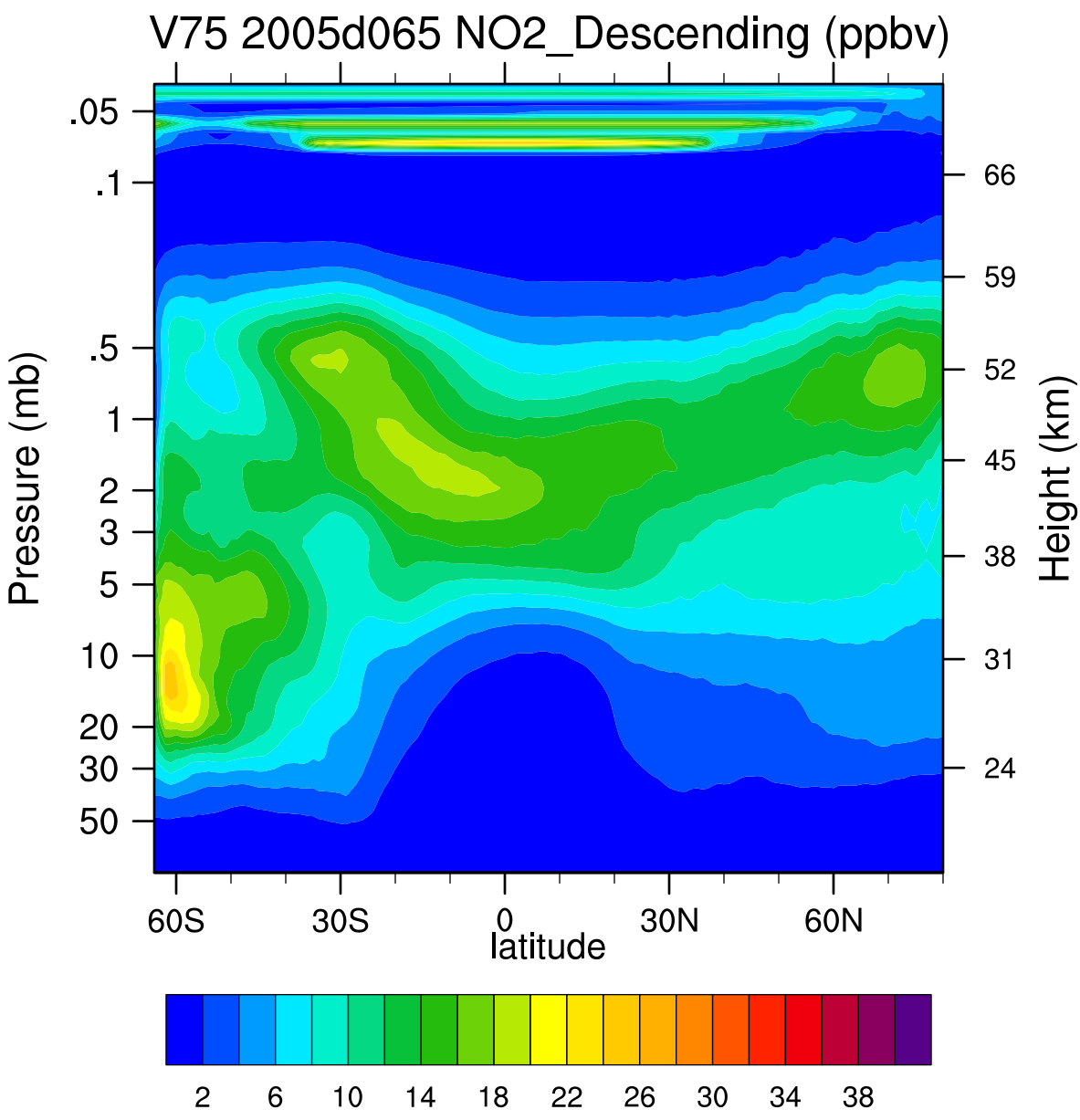
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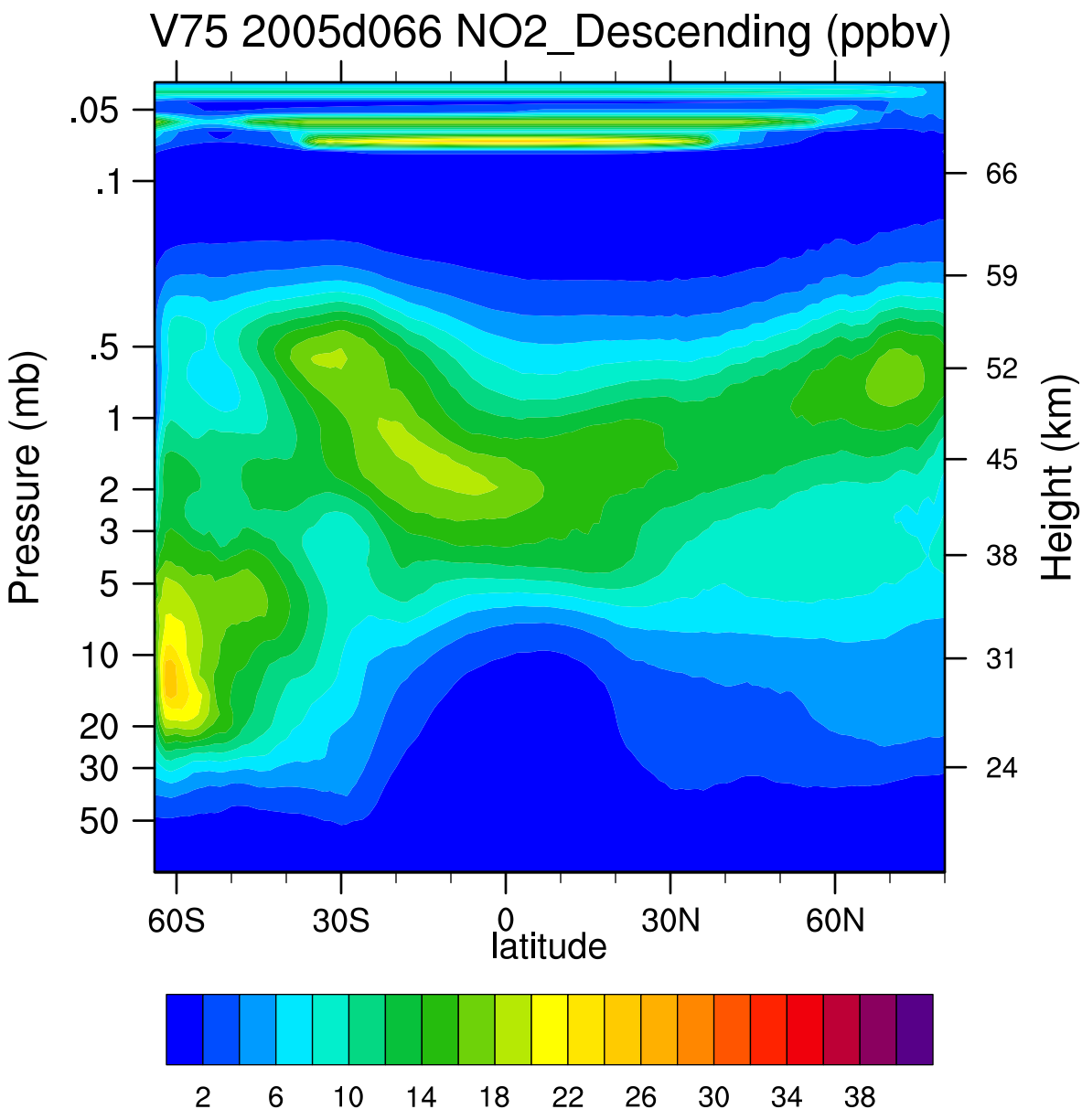
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latitude
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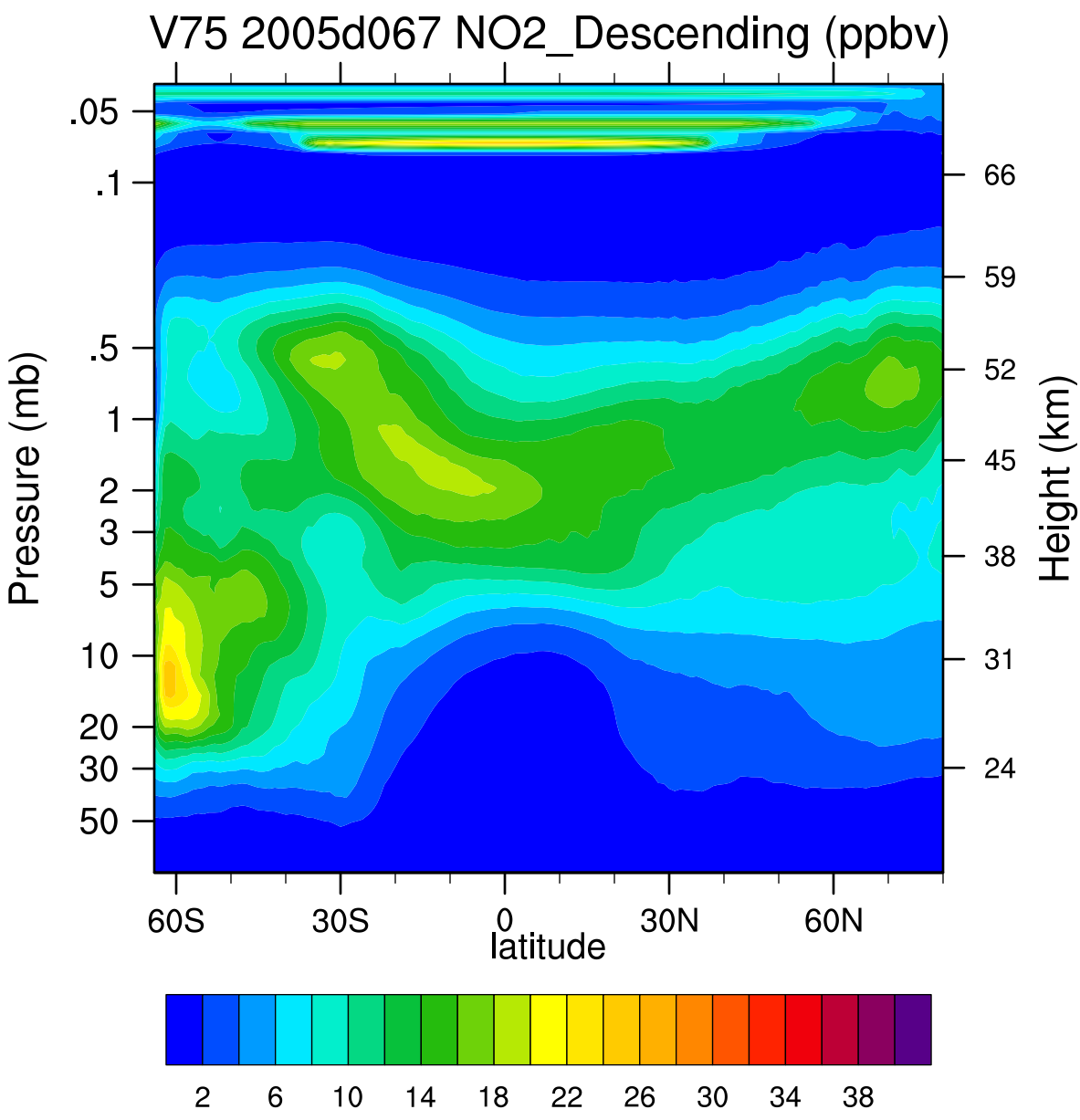
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Pressure (mb)
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Height (km)
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latitude
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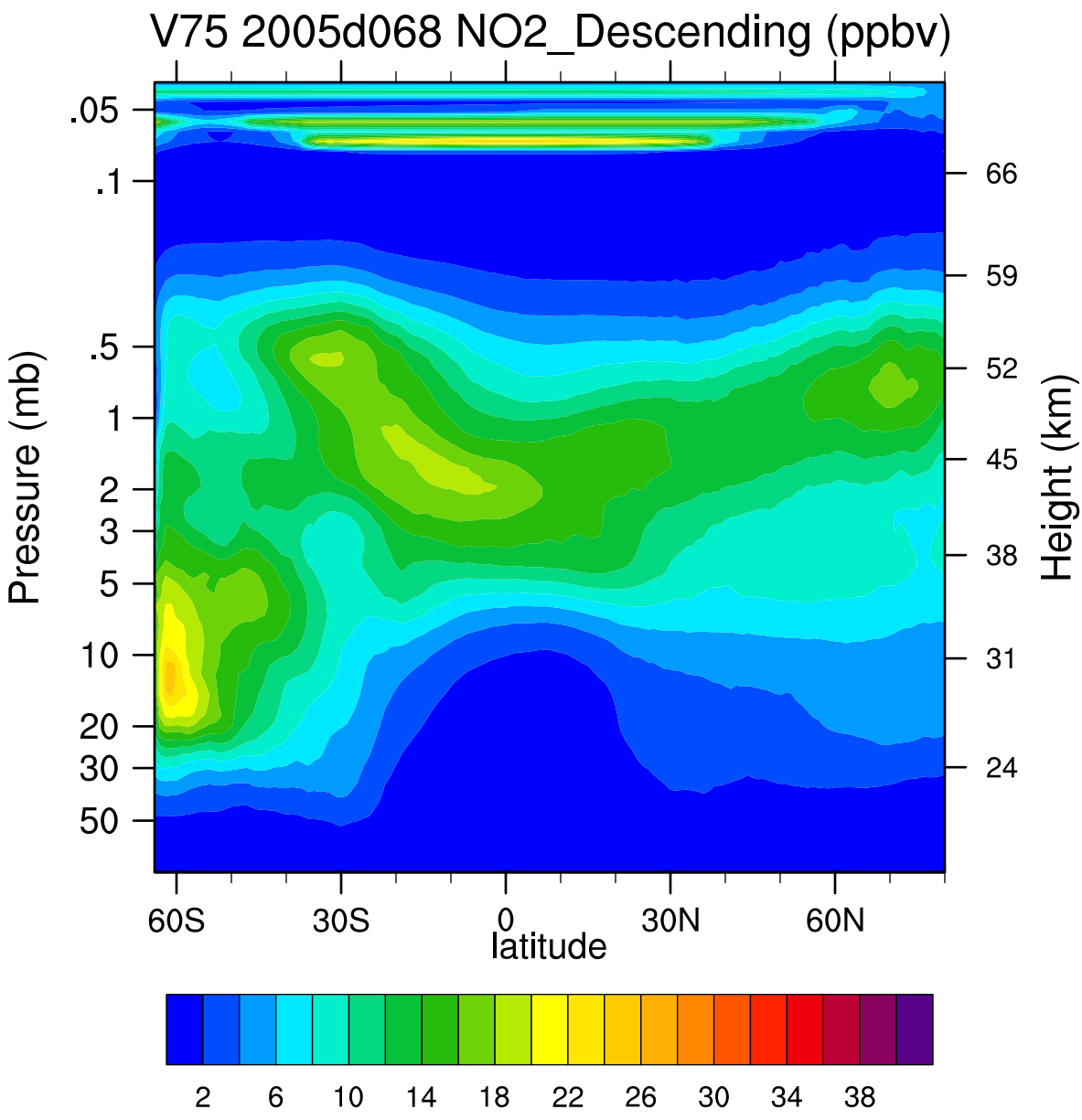
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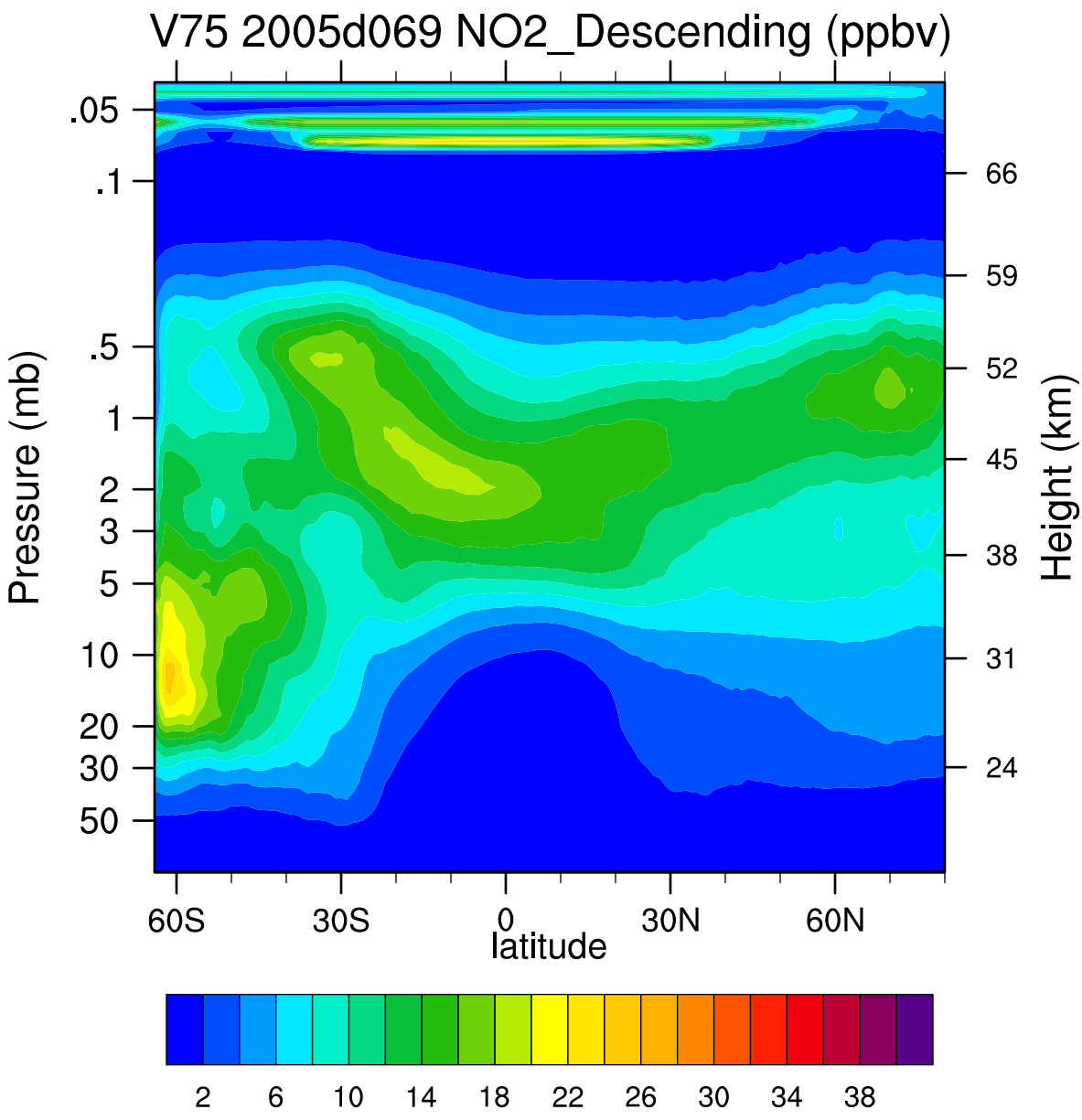
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Height (km)
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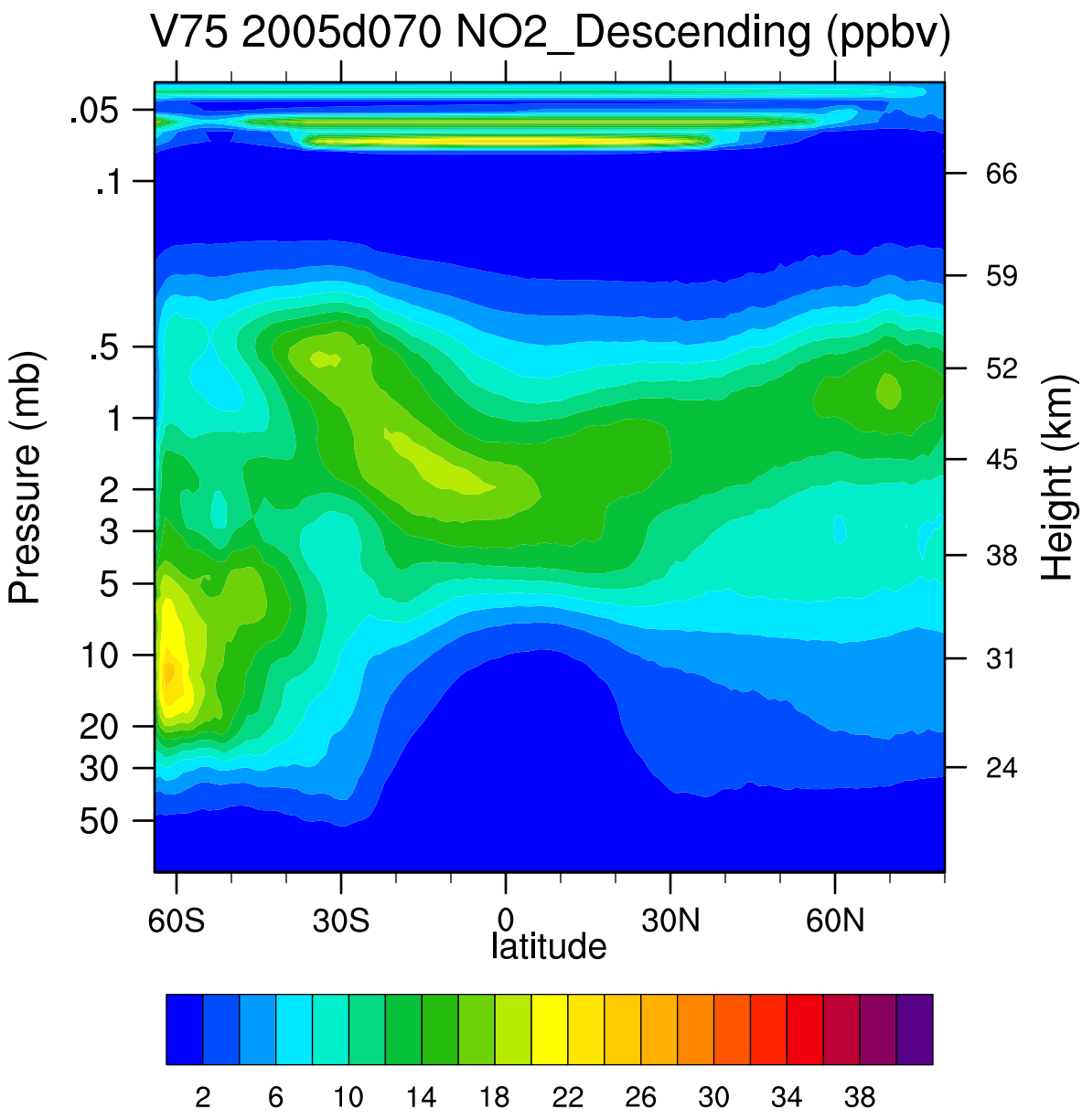
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Height (km)
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latitude
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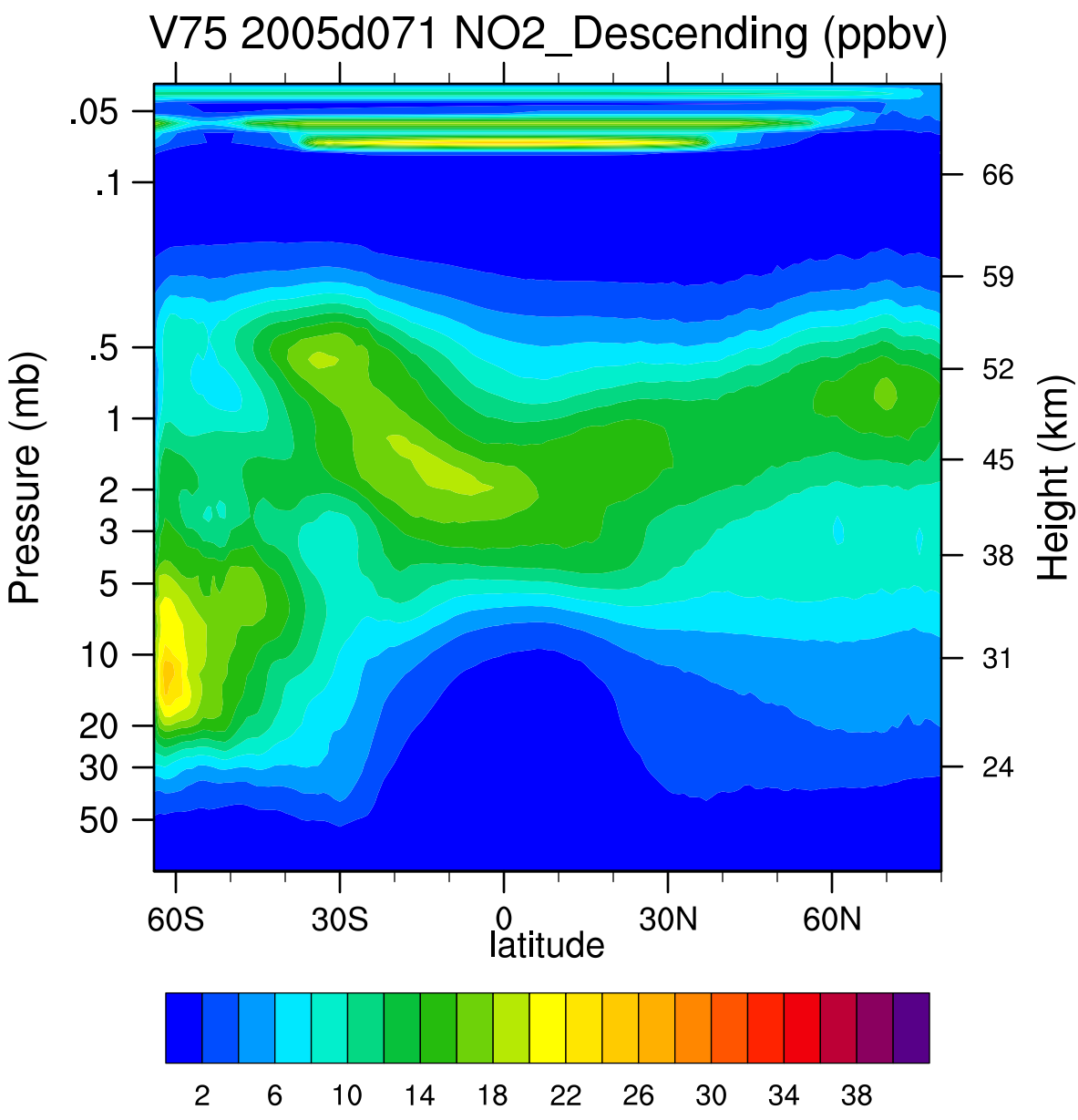
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latitude
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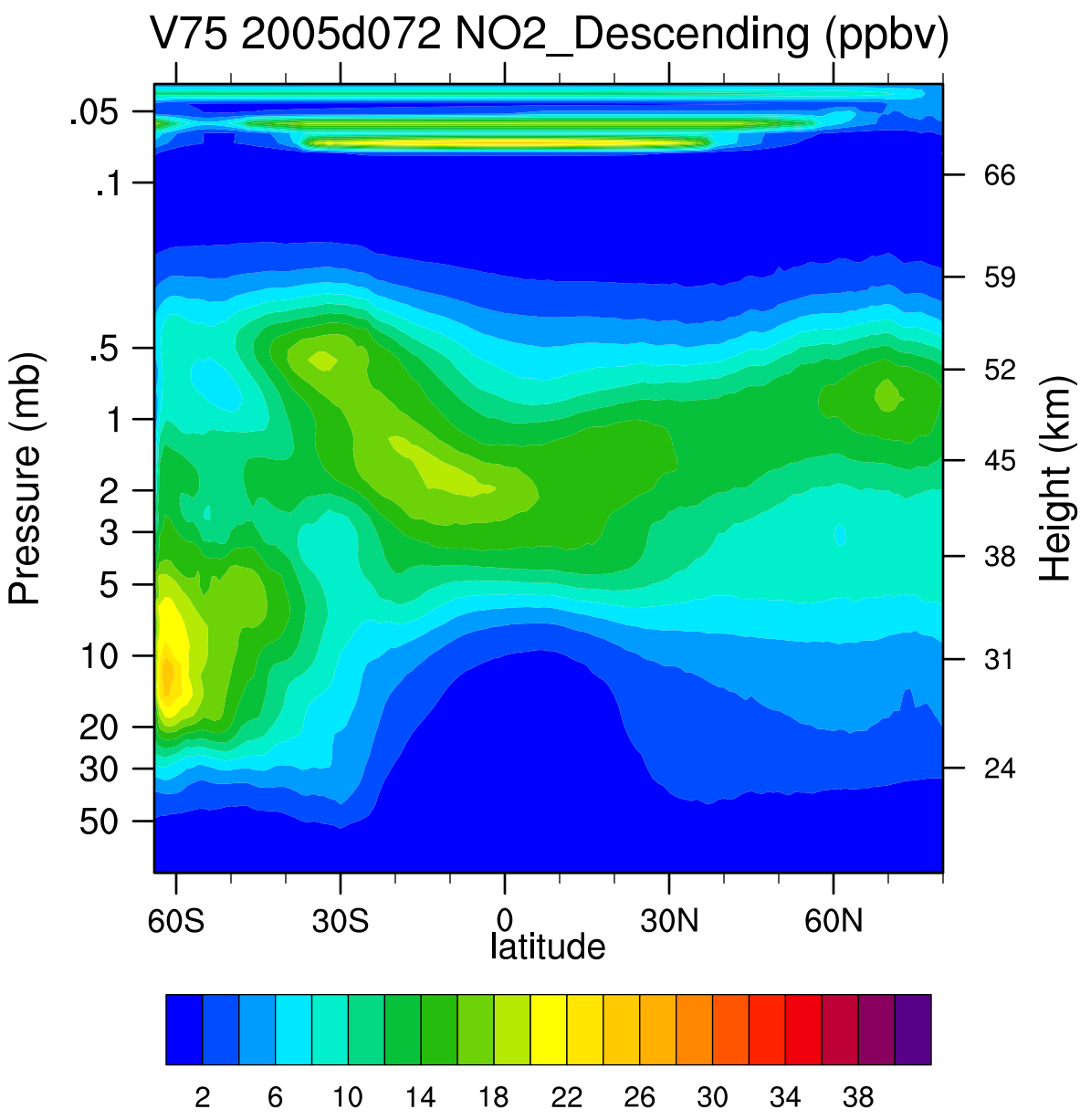
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latitude
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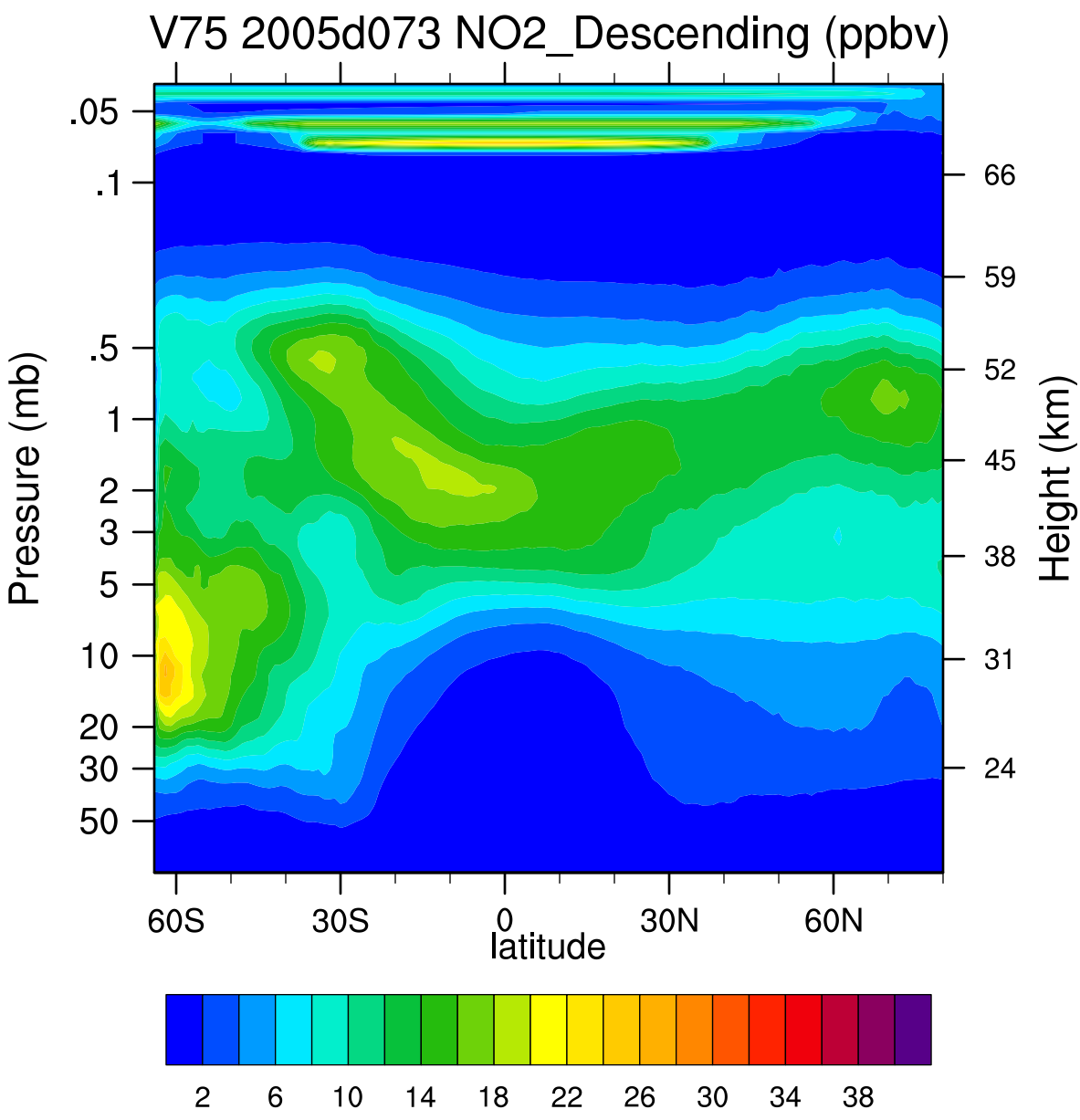
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Height (km)
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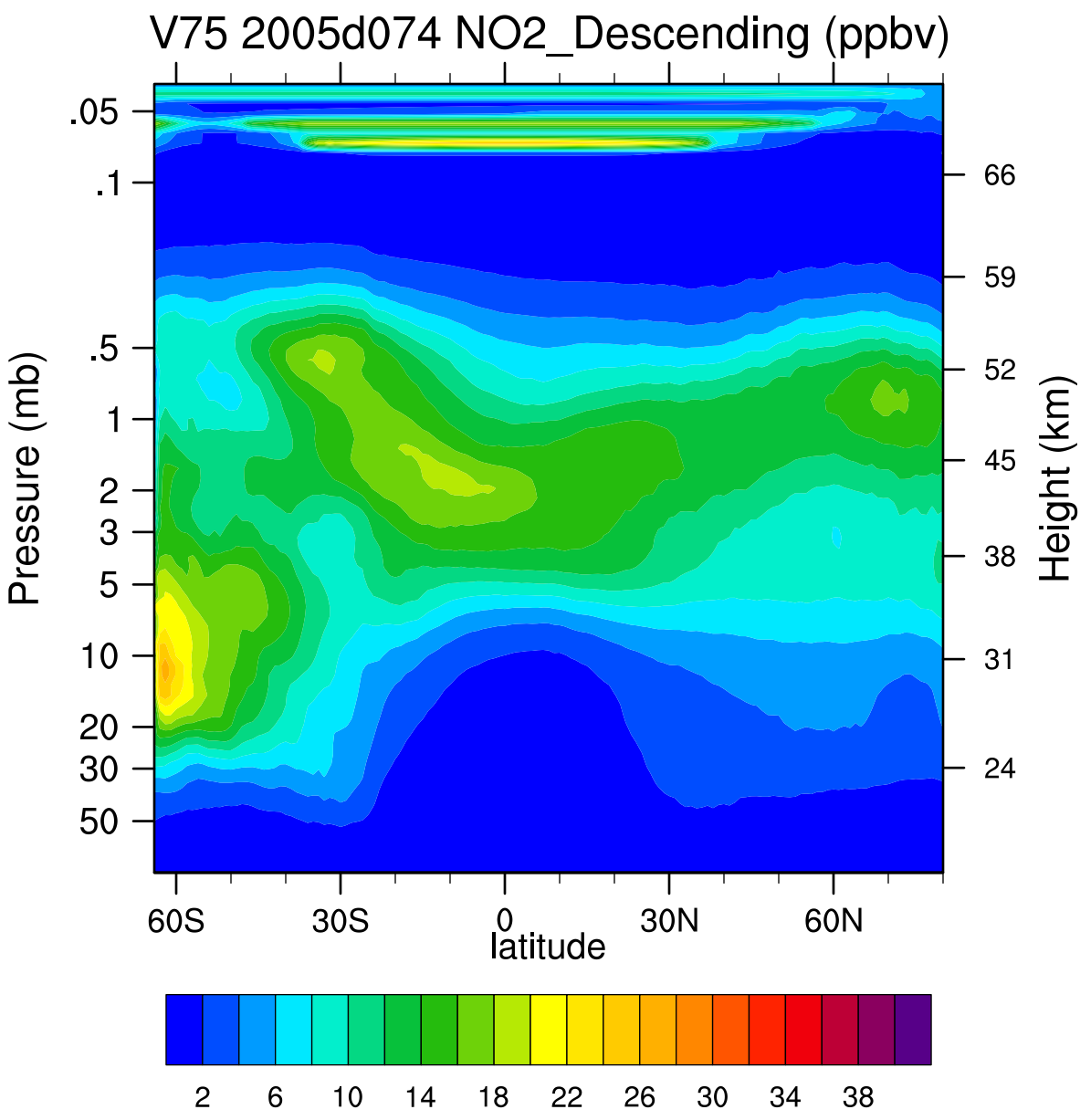
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latitude
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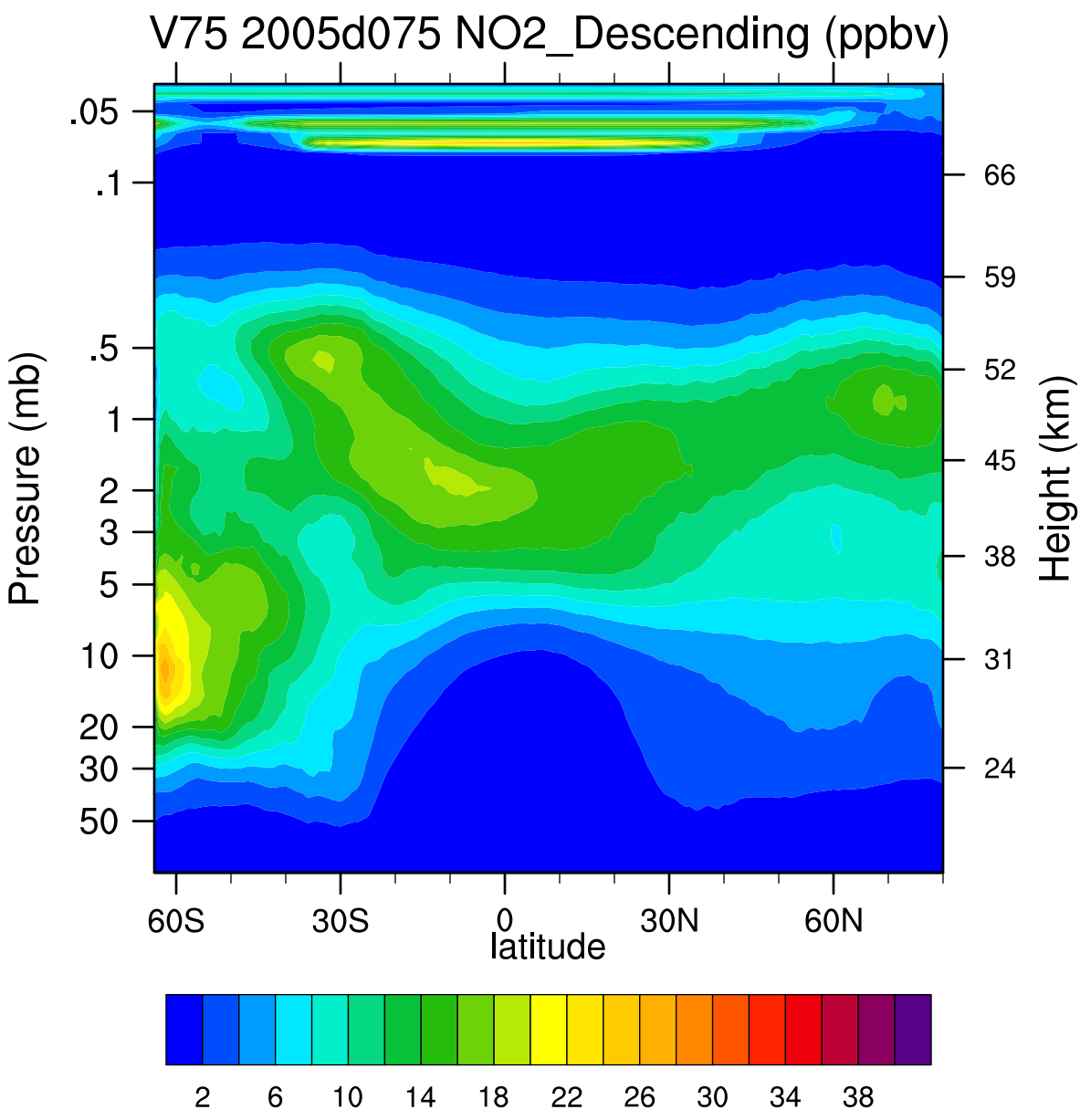
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Height (km)
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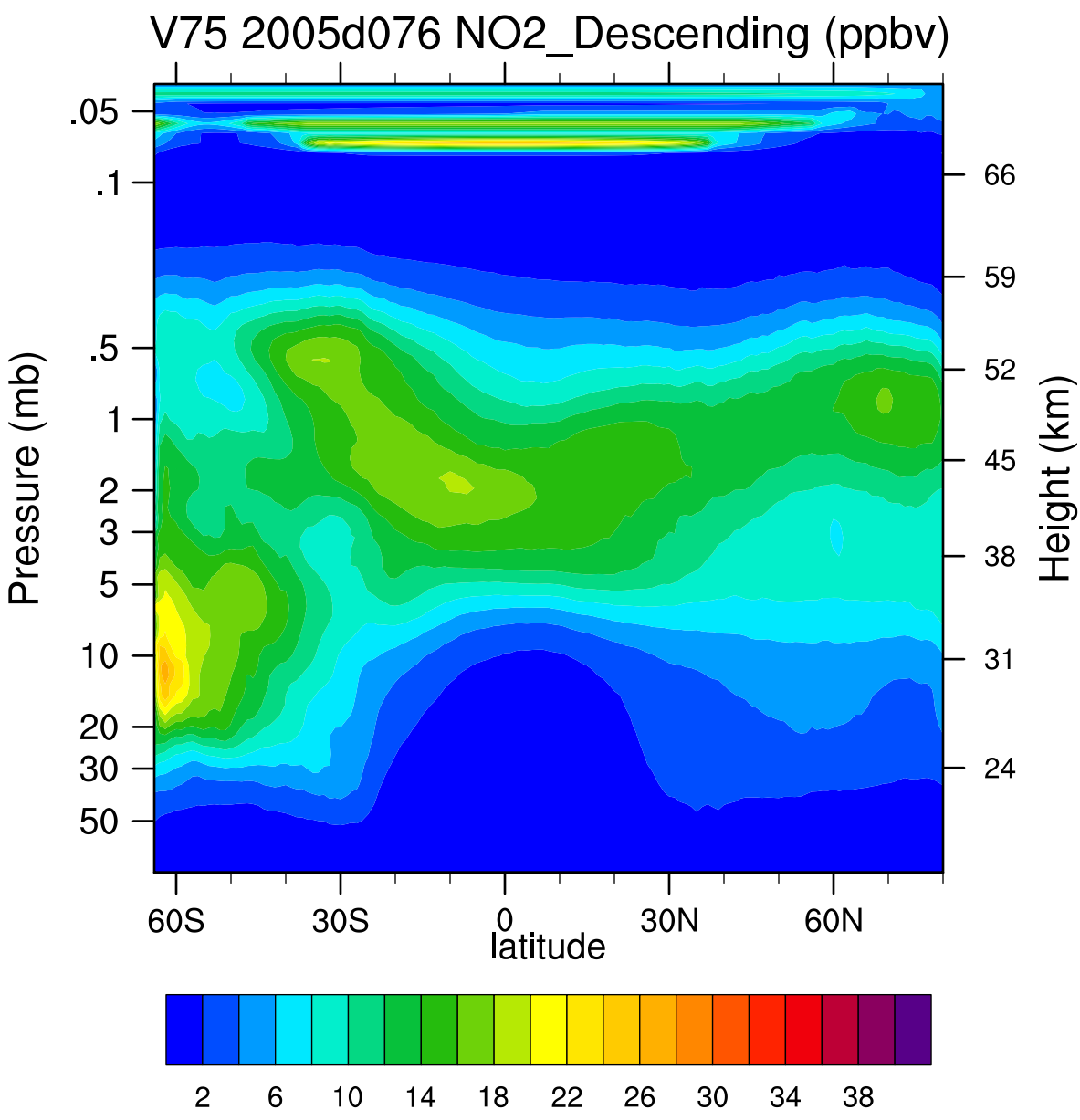
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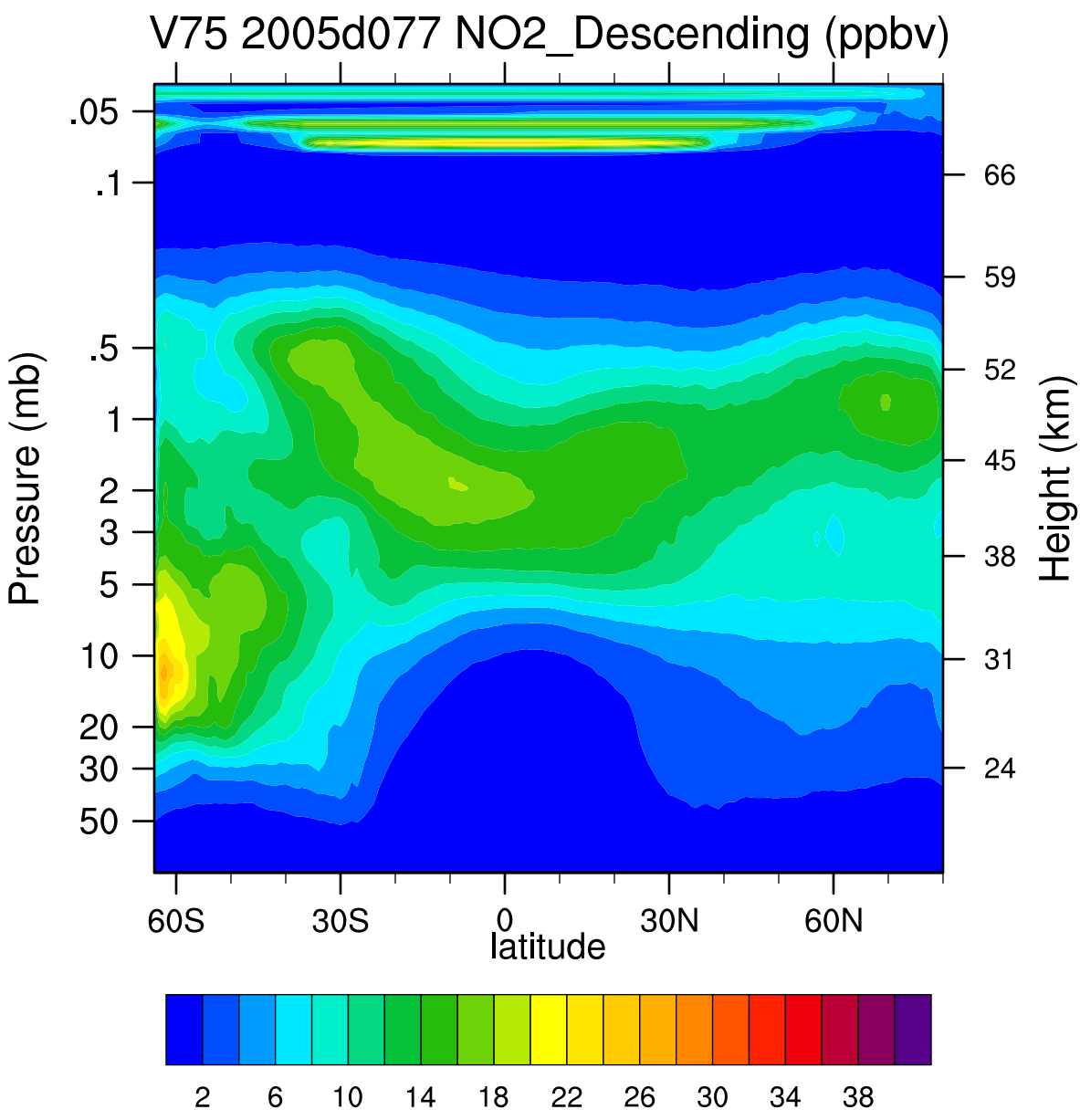
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Height (km)
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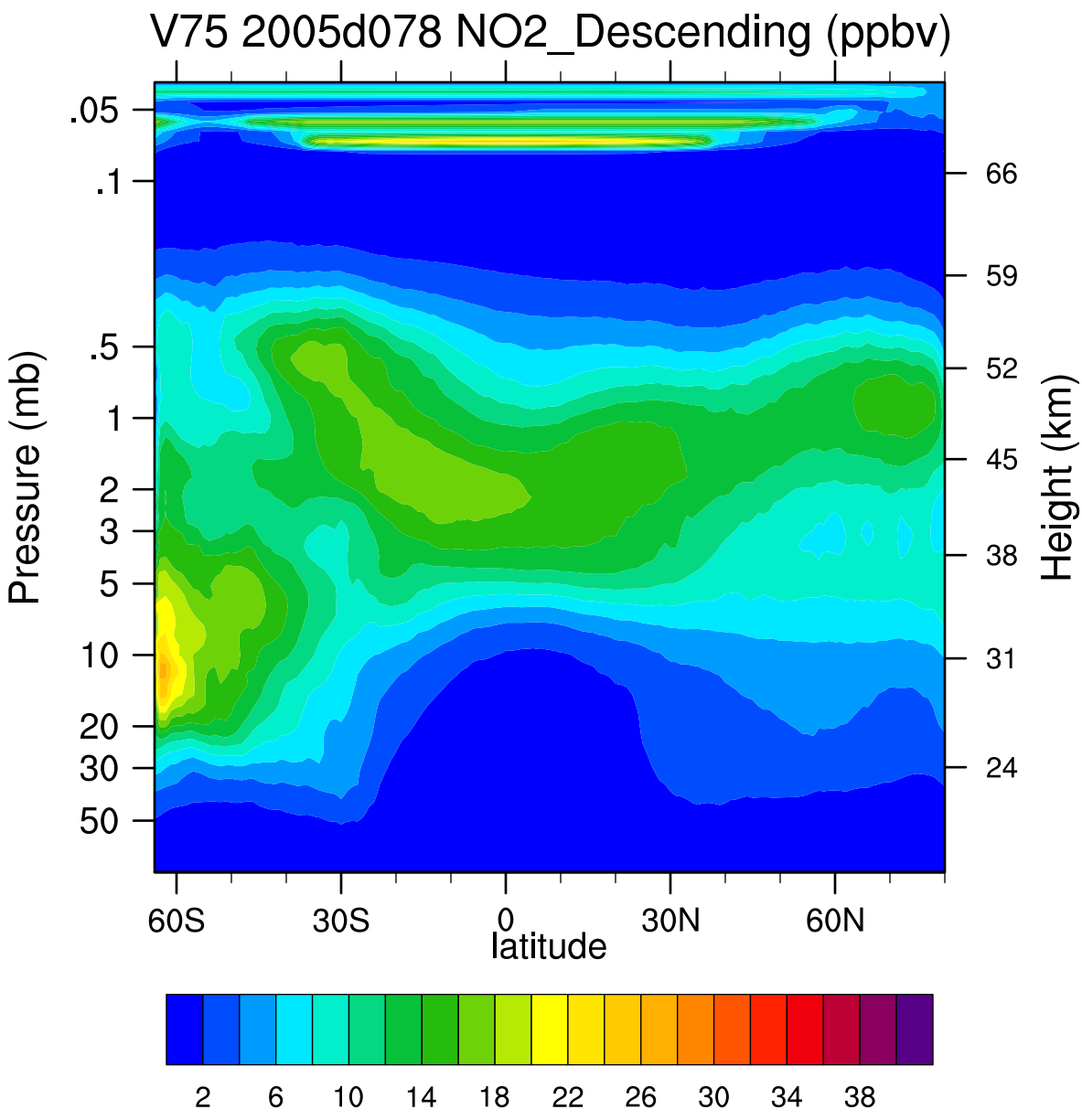
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Height (km)
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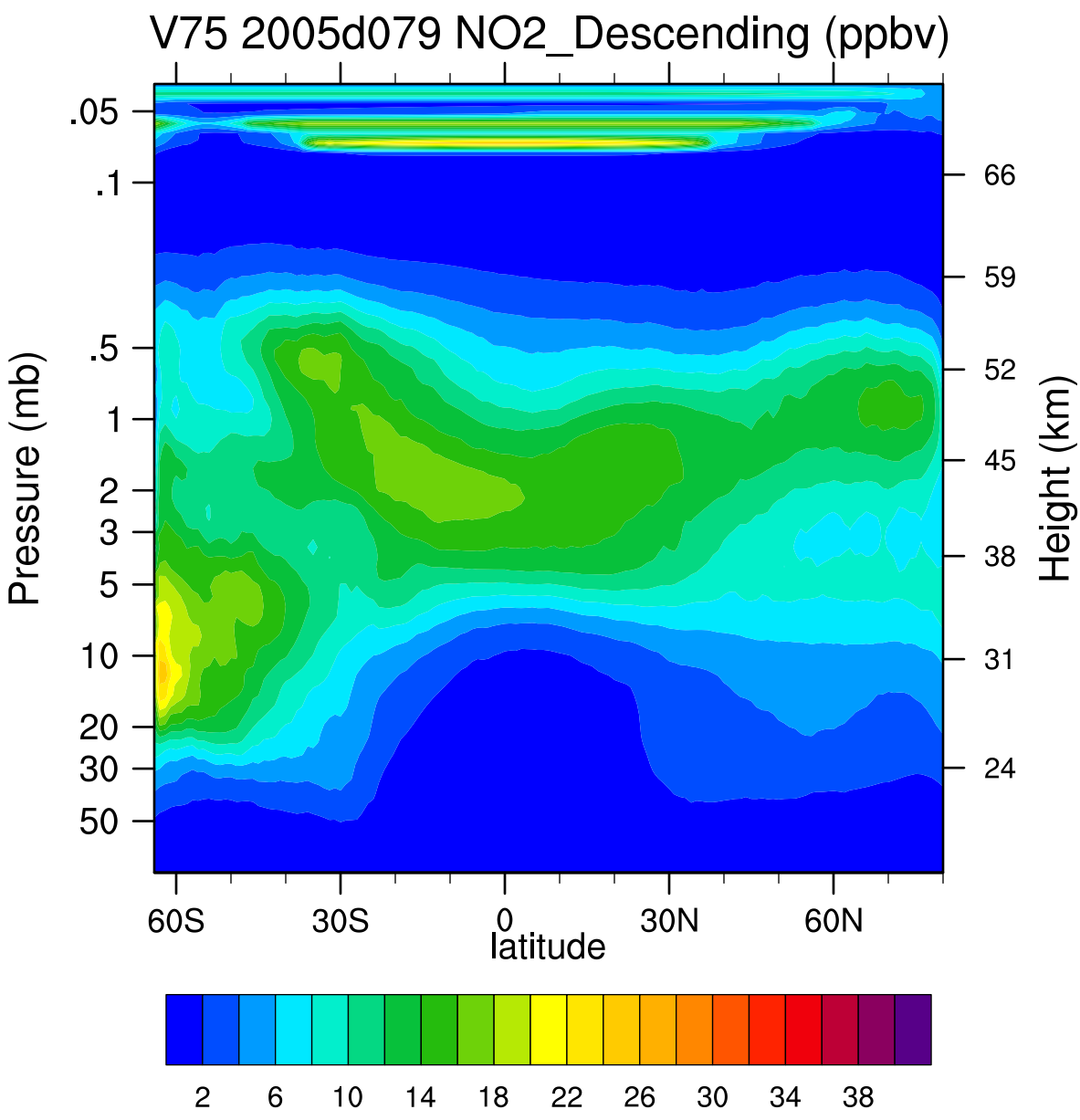
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Pressure (mb)
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Height (km)
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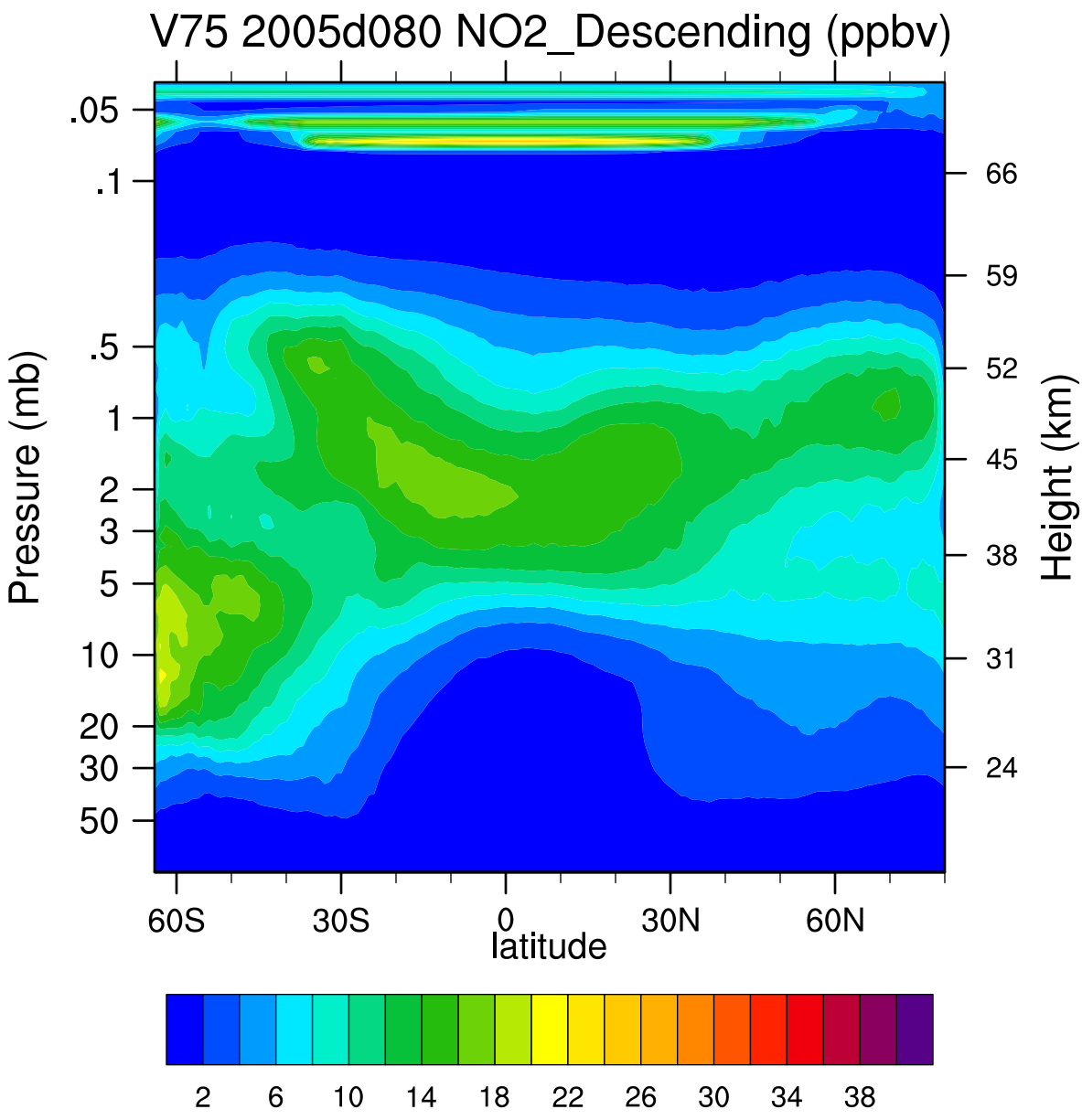
V75 2005d080 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
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5
10
20
30
50
Height (km)
66
59
52
45
38
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30S
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30N
60N
latitude
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26
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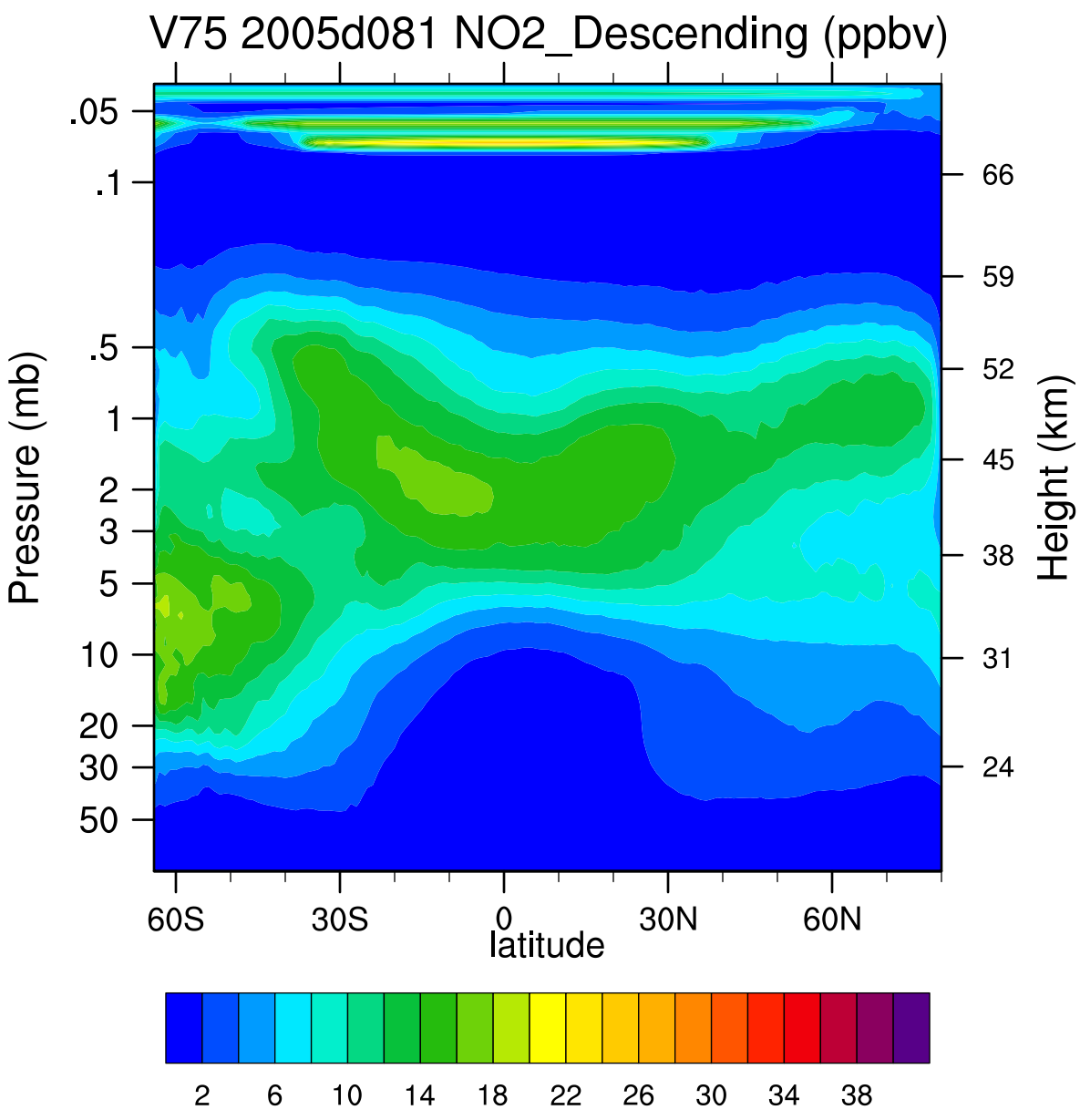
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Pressure (mb)
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5
10
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30
50
Height (km)
66
59
52
45
38
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30S
0
30N
60N
latitude
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26
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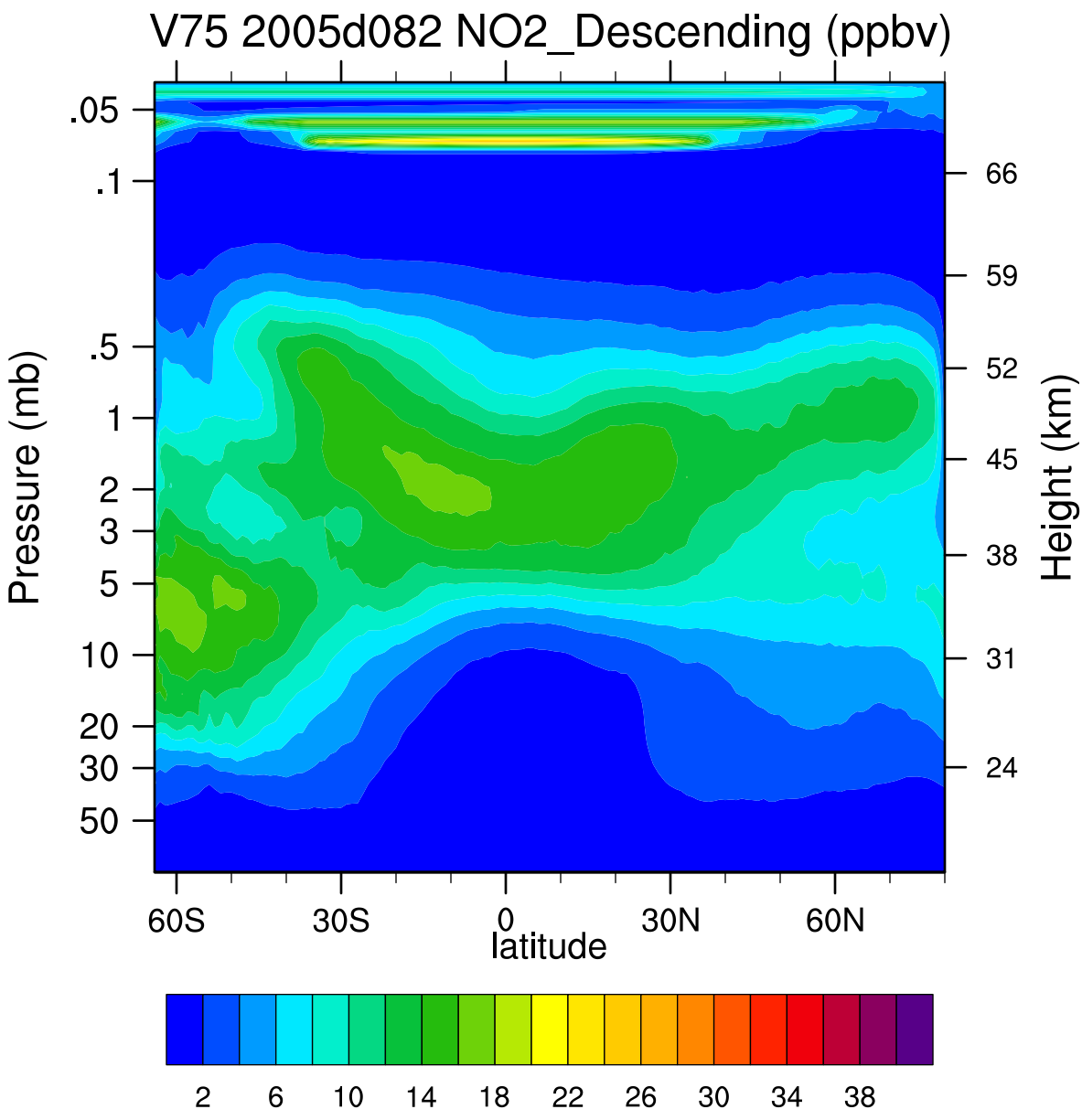
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Pressure (mb)
66
59
52
45
38
31
24
Height (km)
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30S
0
30N
60N
latitude
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26
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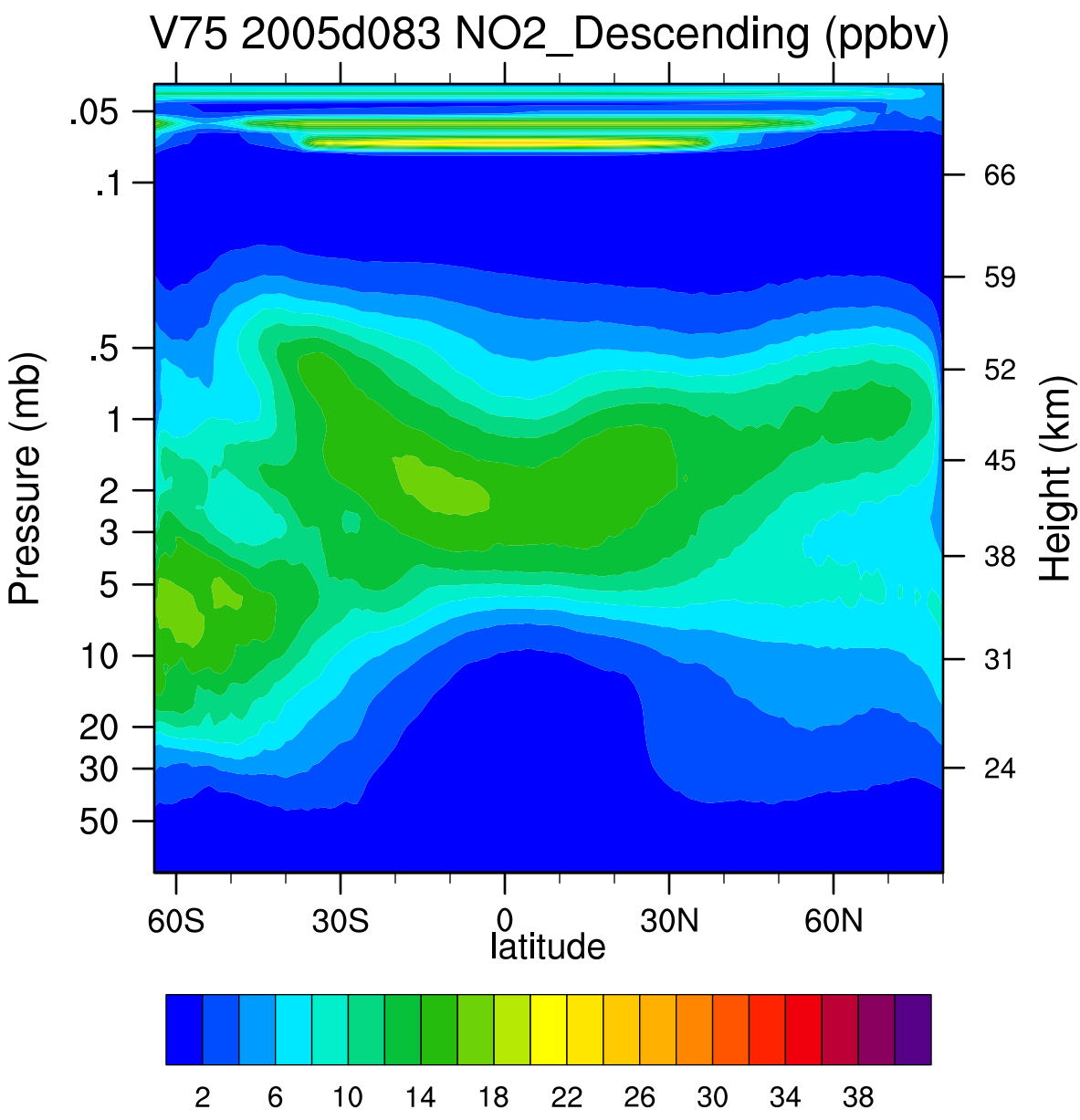
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Pressure (mb)
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5
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50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
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26
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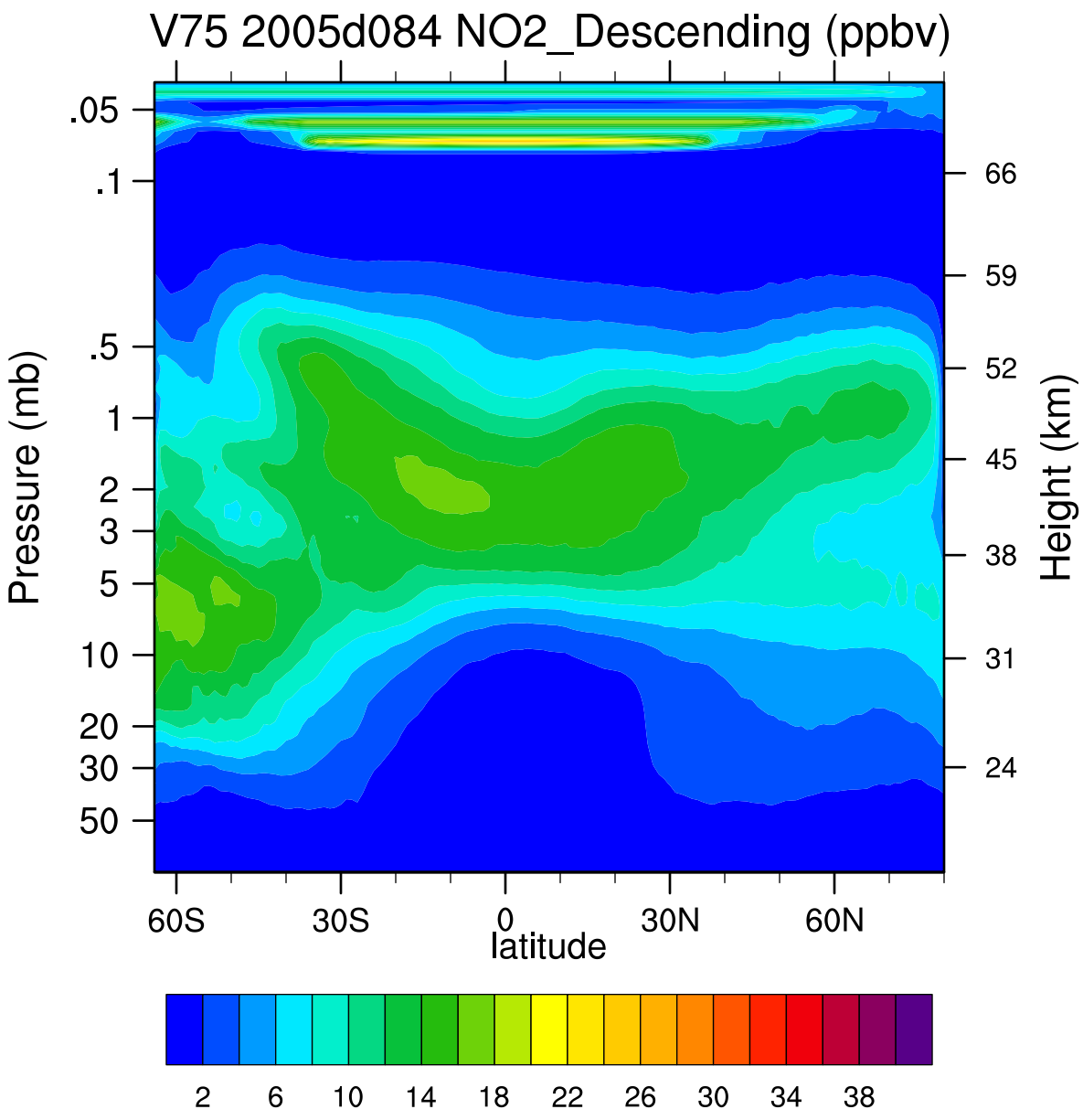
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Height (km)
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59
52
45
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60N
latitude
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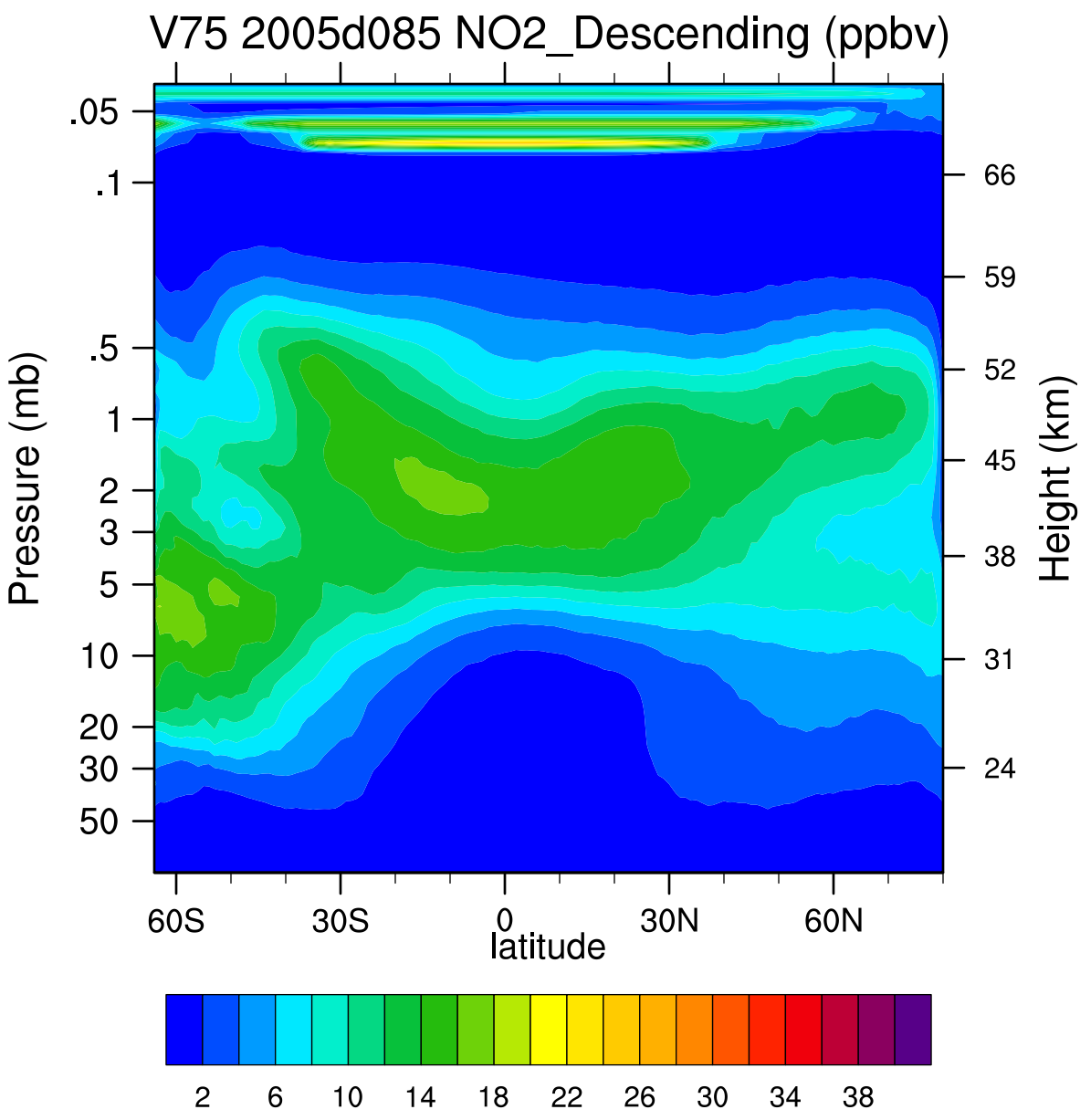
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Pressure (mb)
66
59
52
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38
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Height (km)
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30N
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latitude
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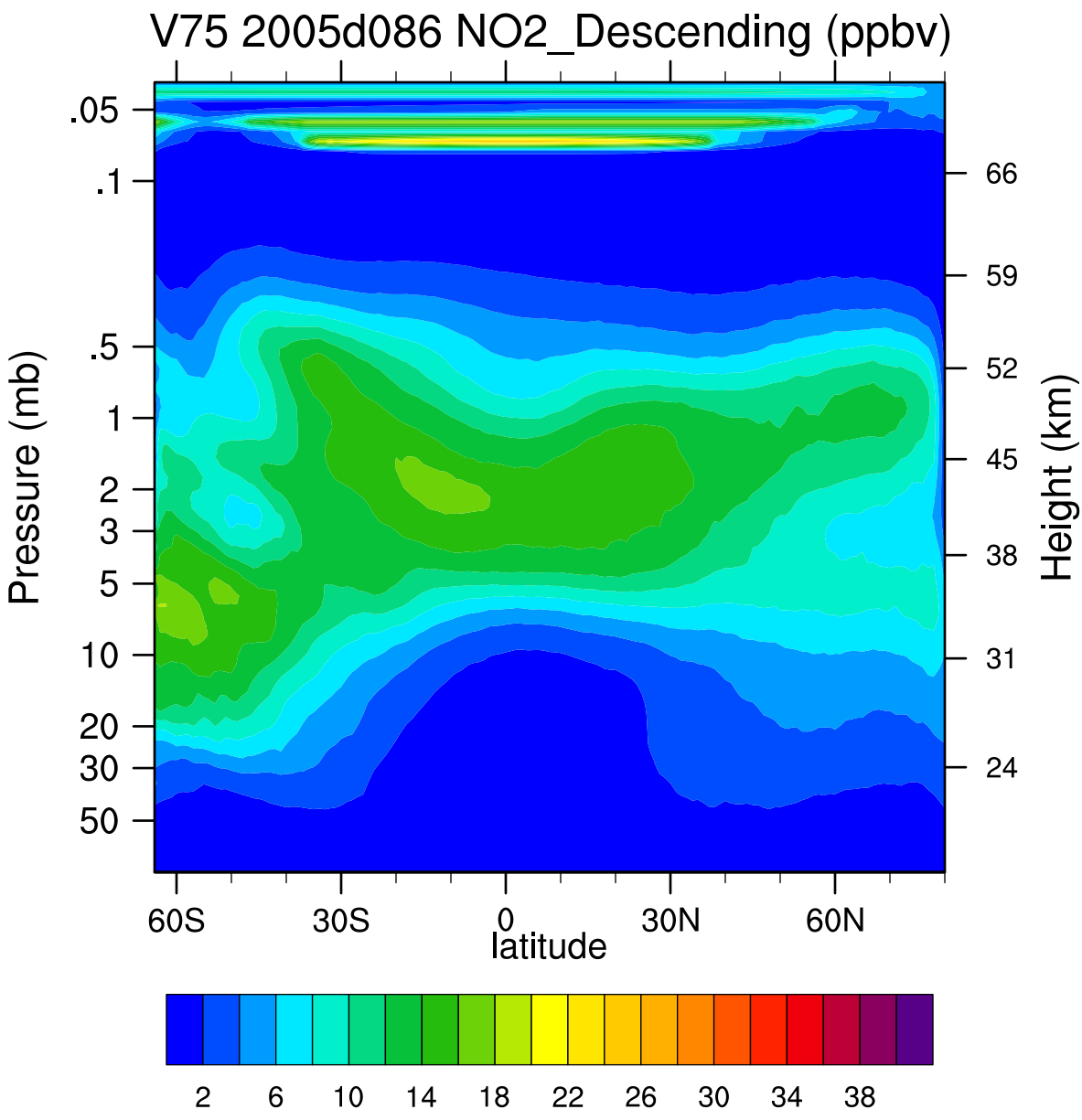
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Height (km)
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45
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latitude
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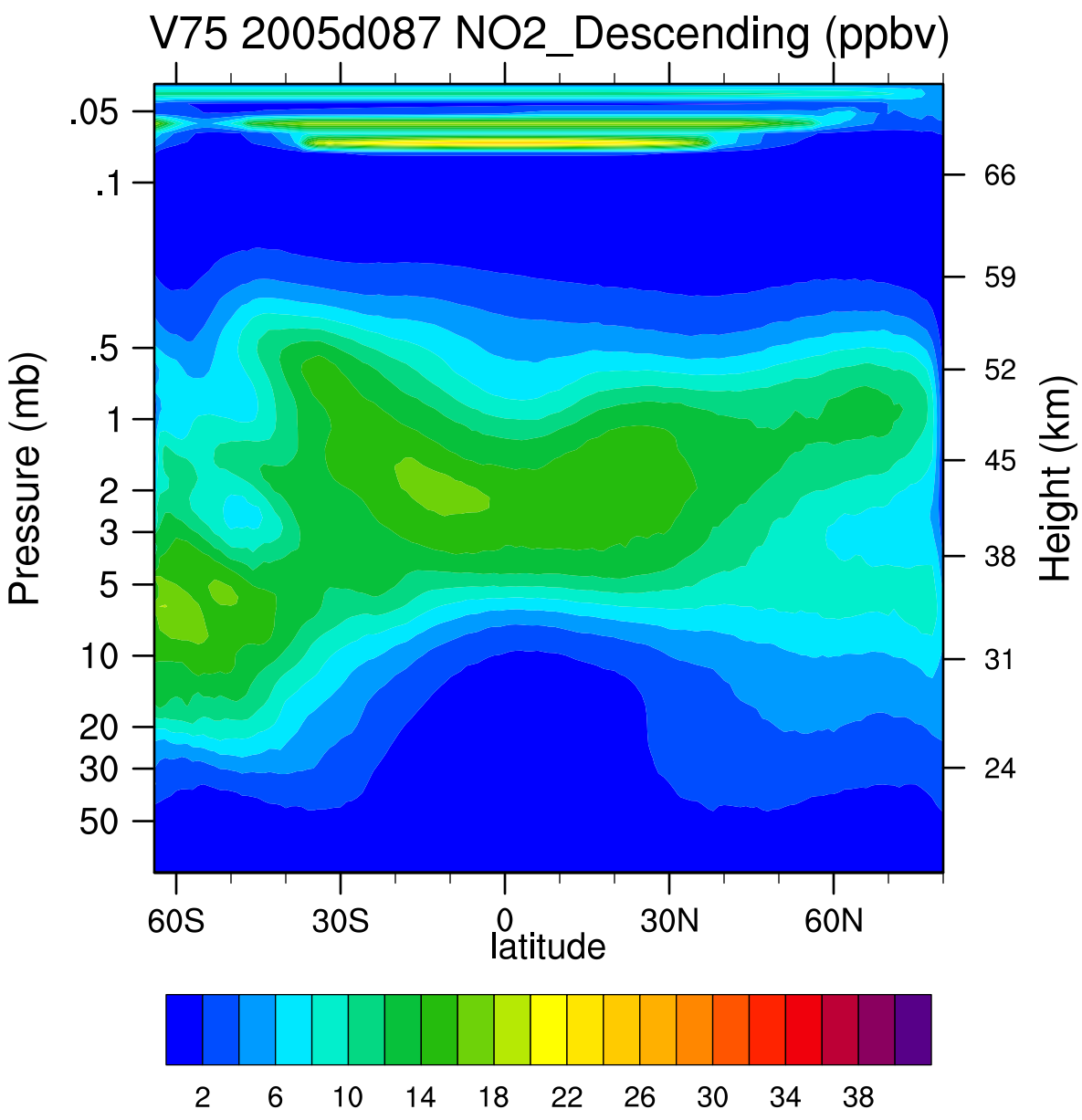
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Height (km)
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latitude
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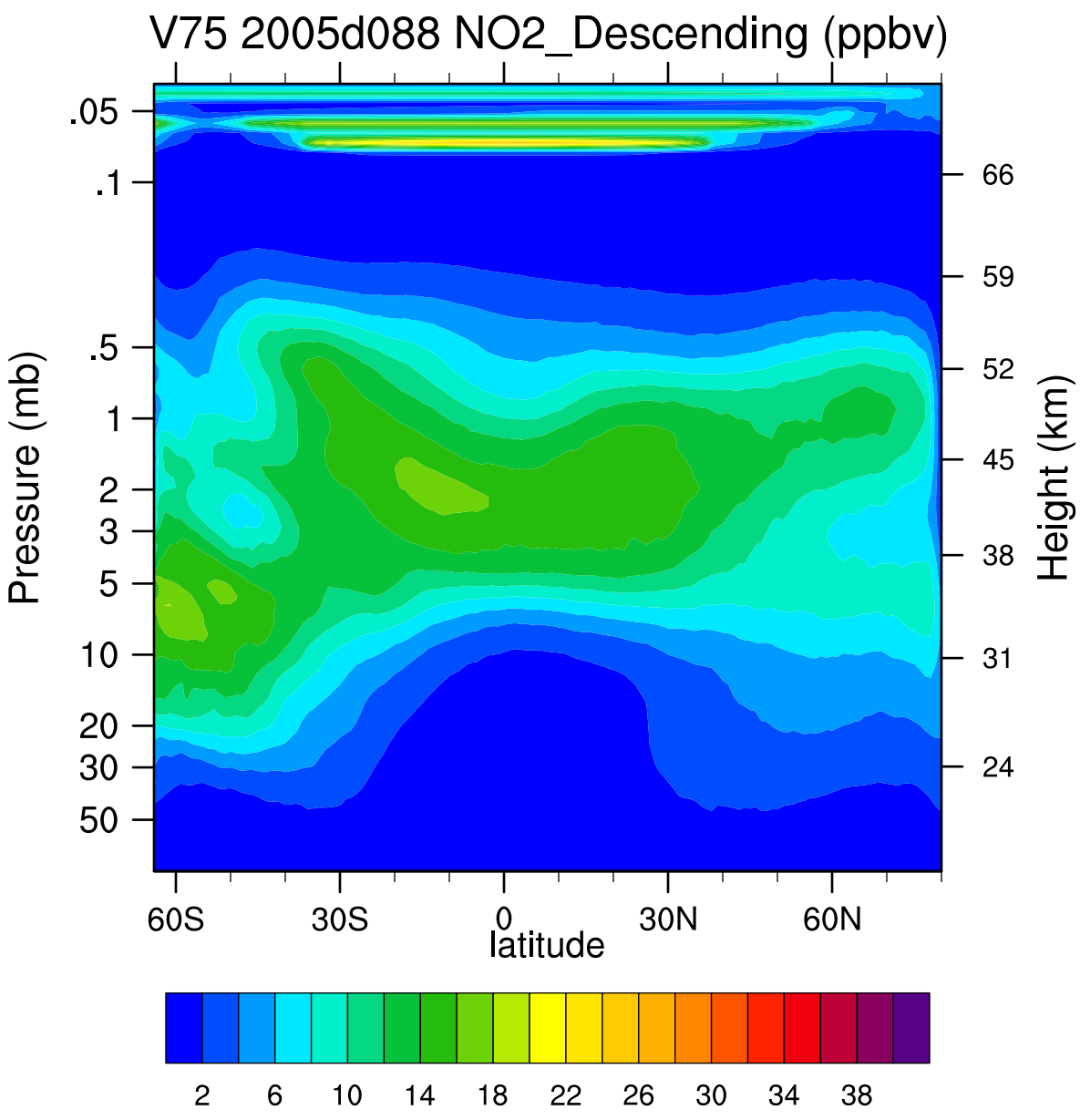
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Height (km)
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latitude
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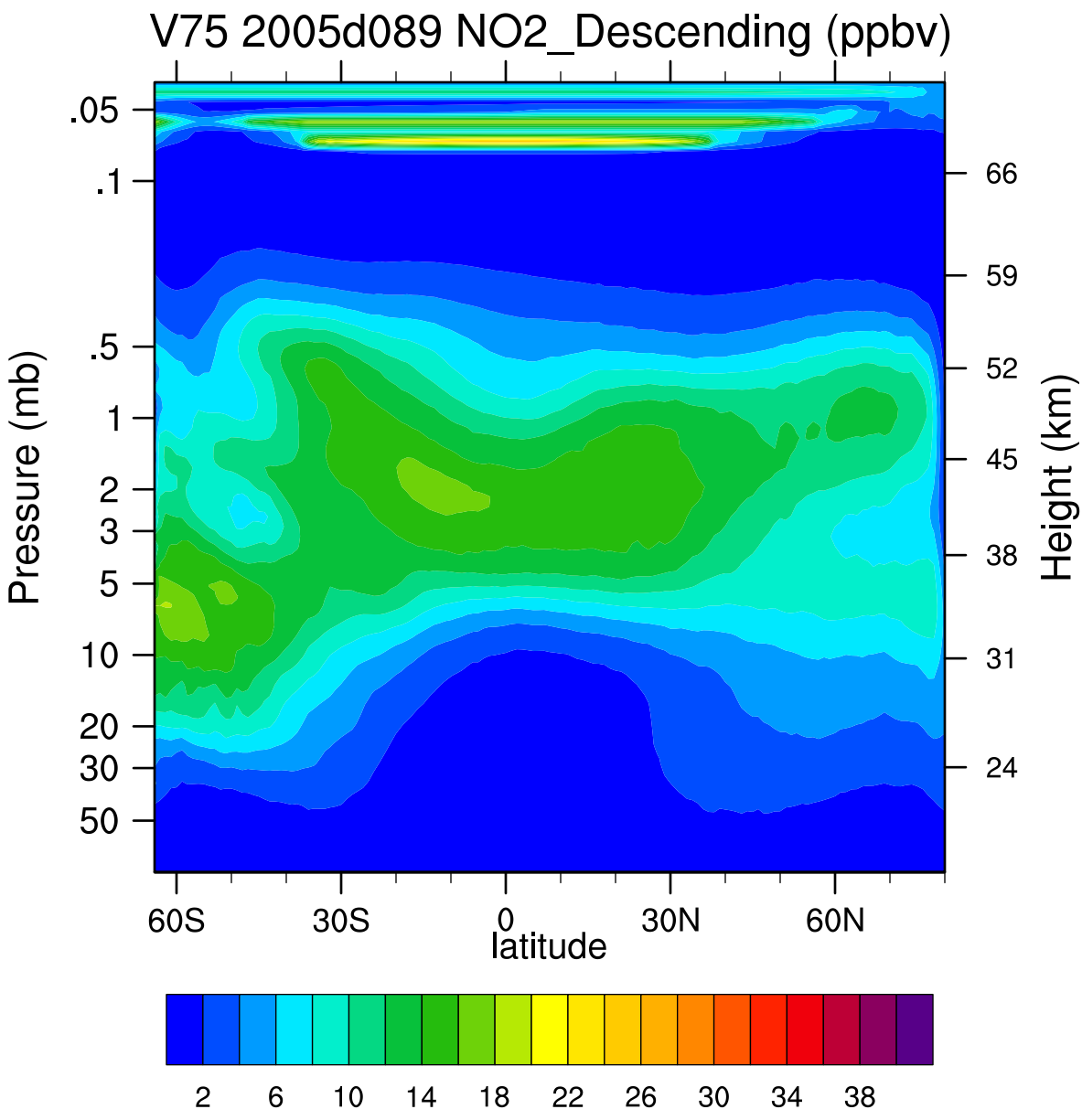
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Pressure (mb)
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Height (km)
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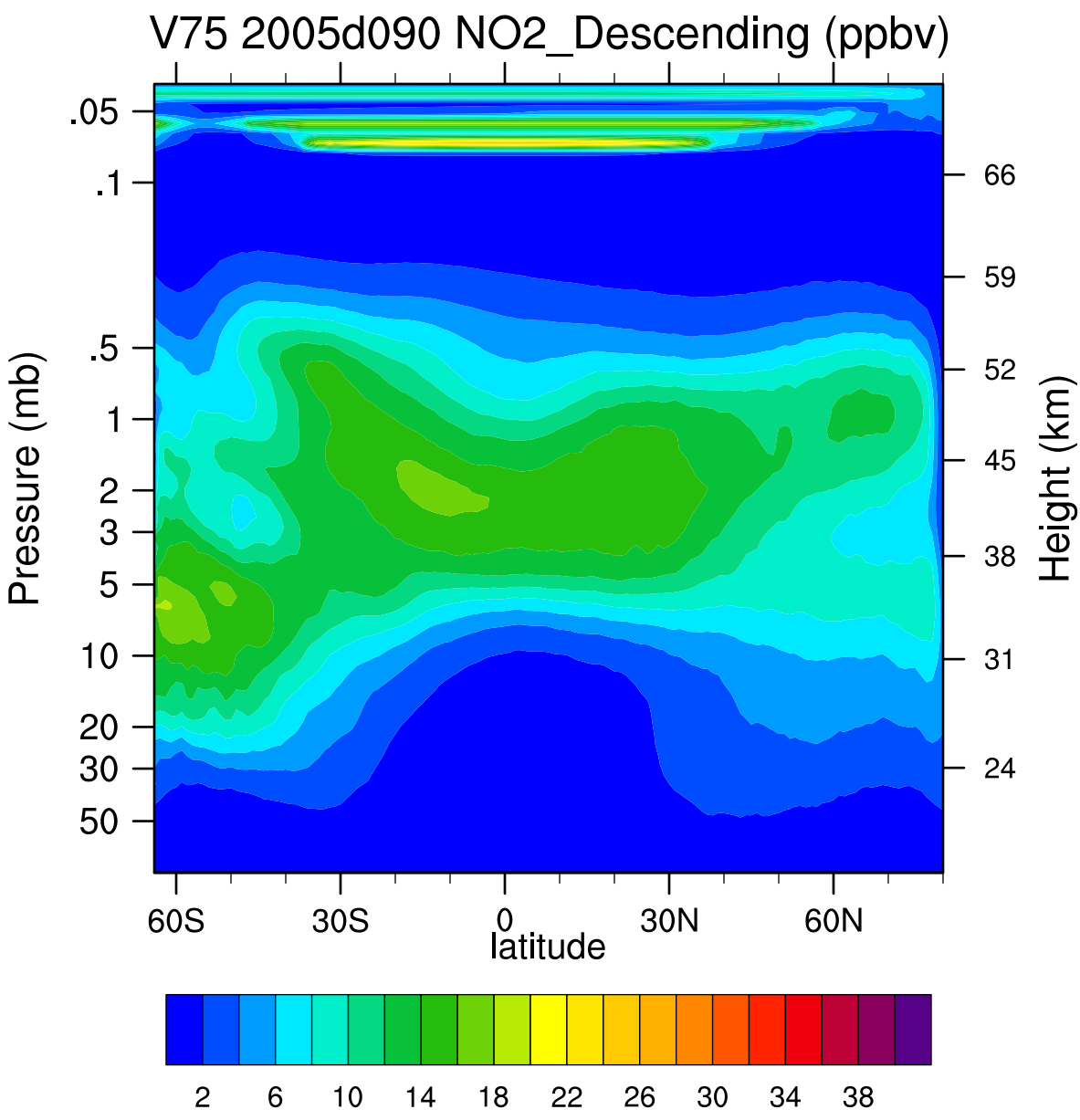
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Pressure (mb)
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Height (km)
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latitude
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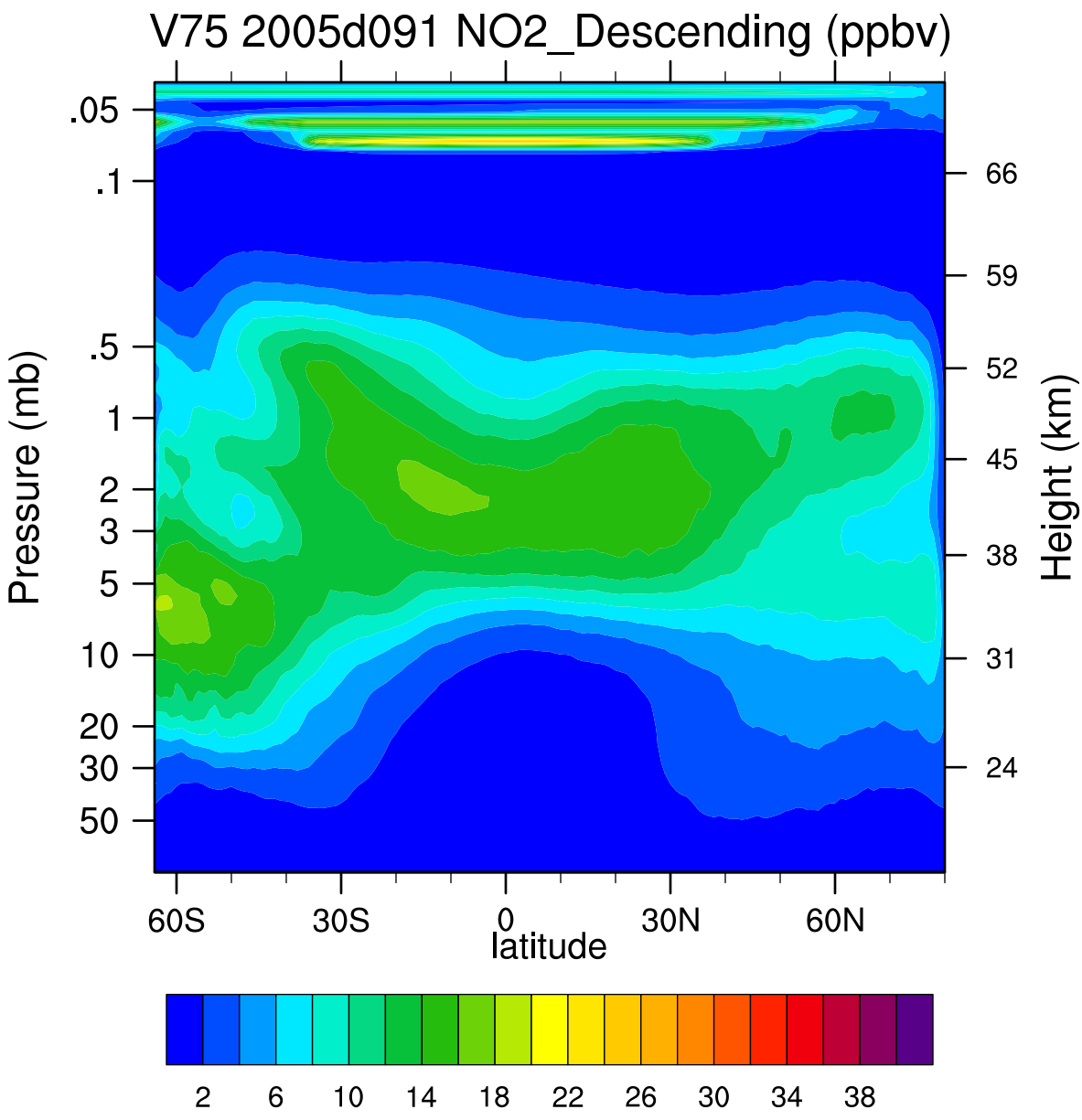
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Height (km)
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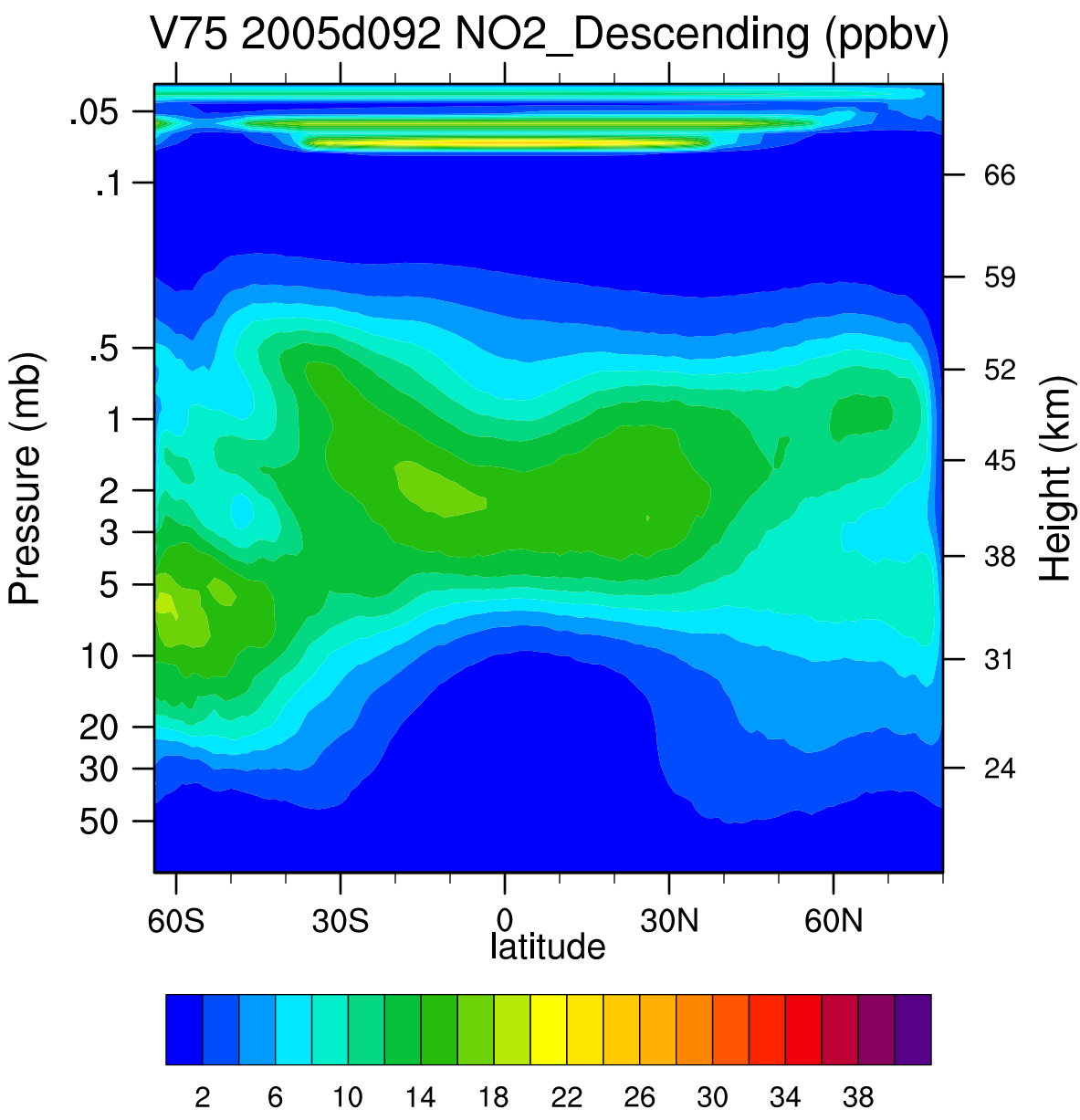
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Pressure (mb)
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Height (km)
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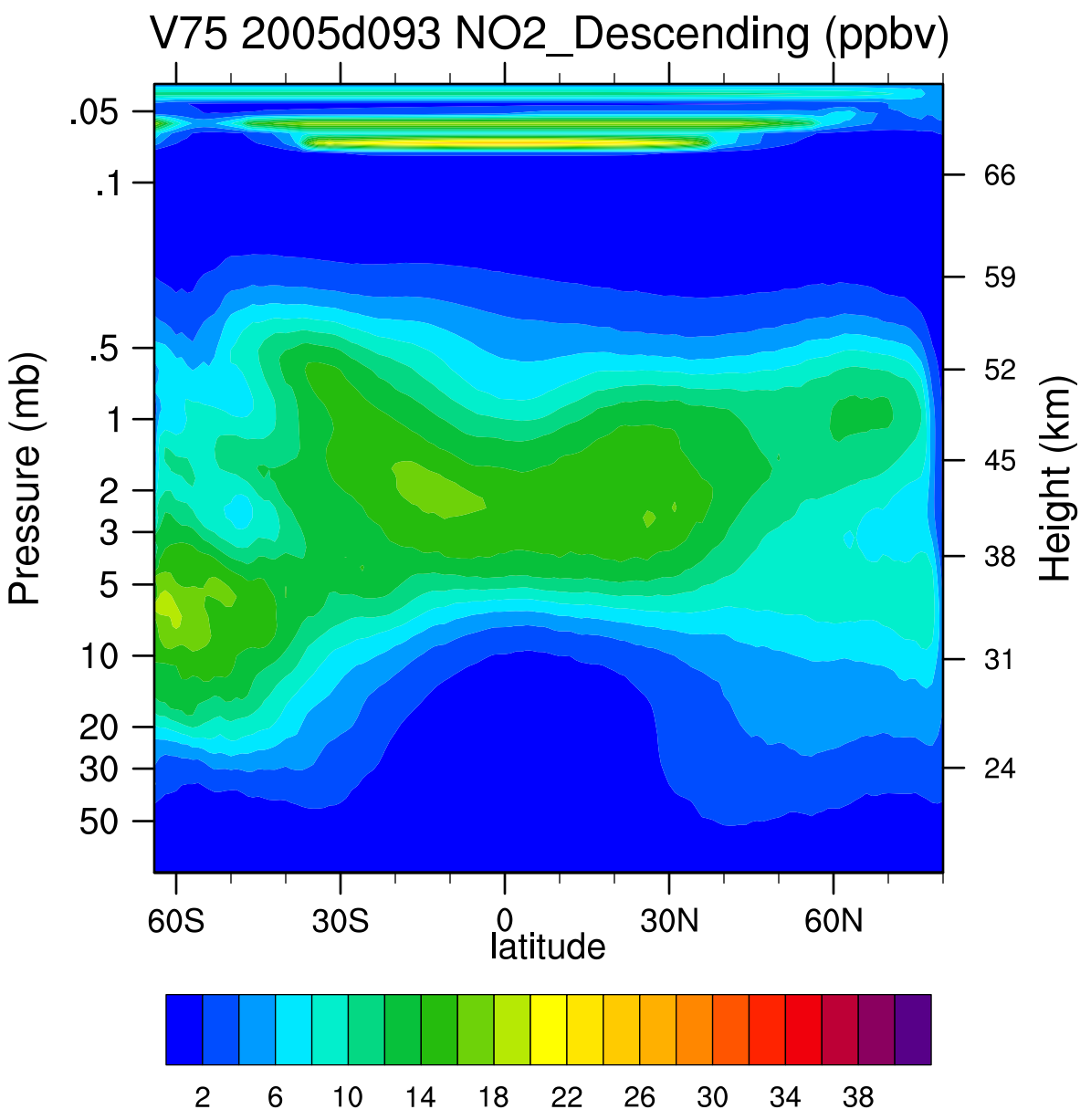
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Pressure (mb)
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Height (km)
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latitude
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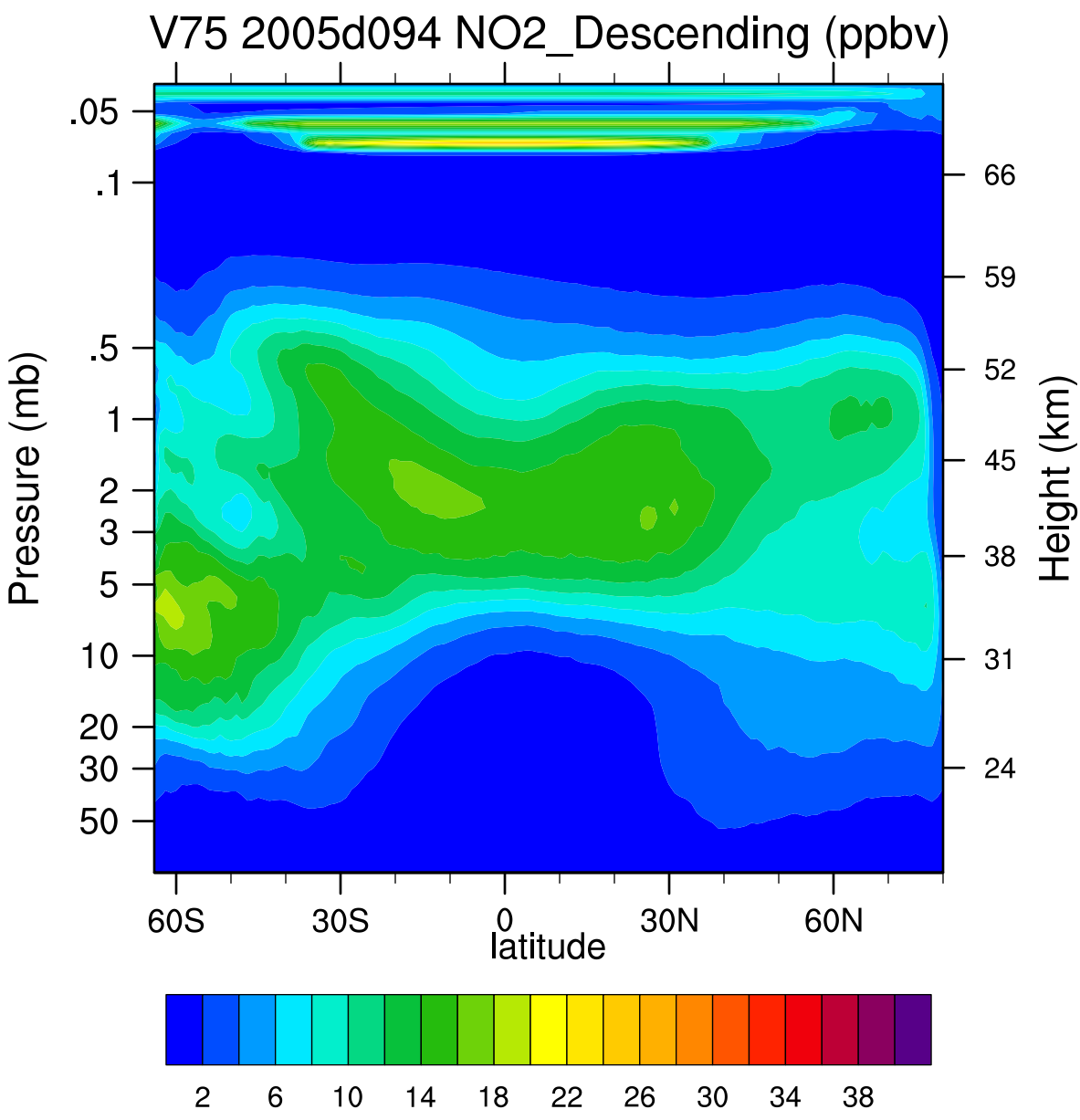
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Height (km)
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latitude
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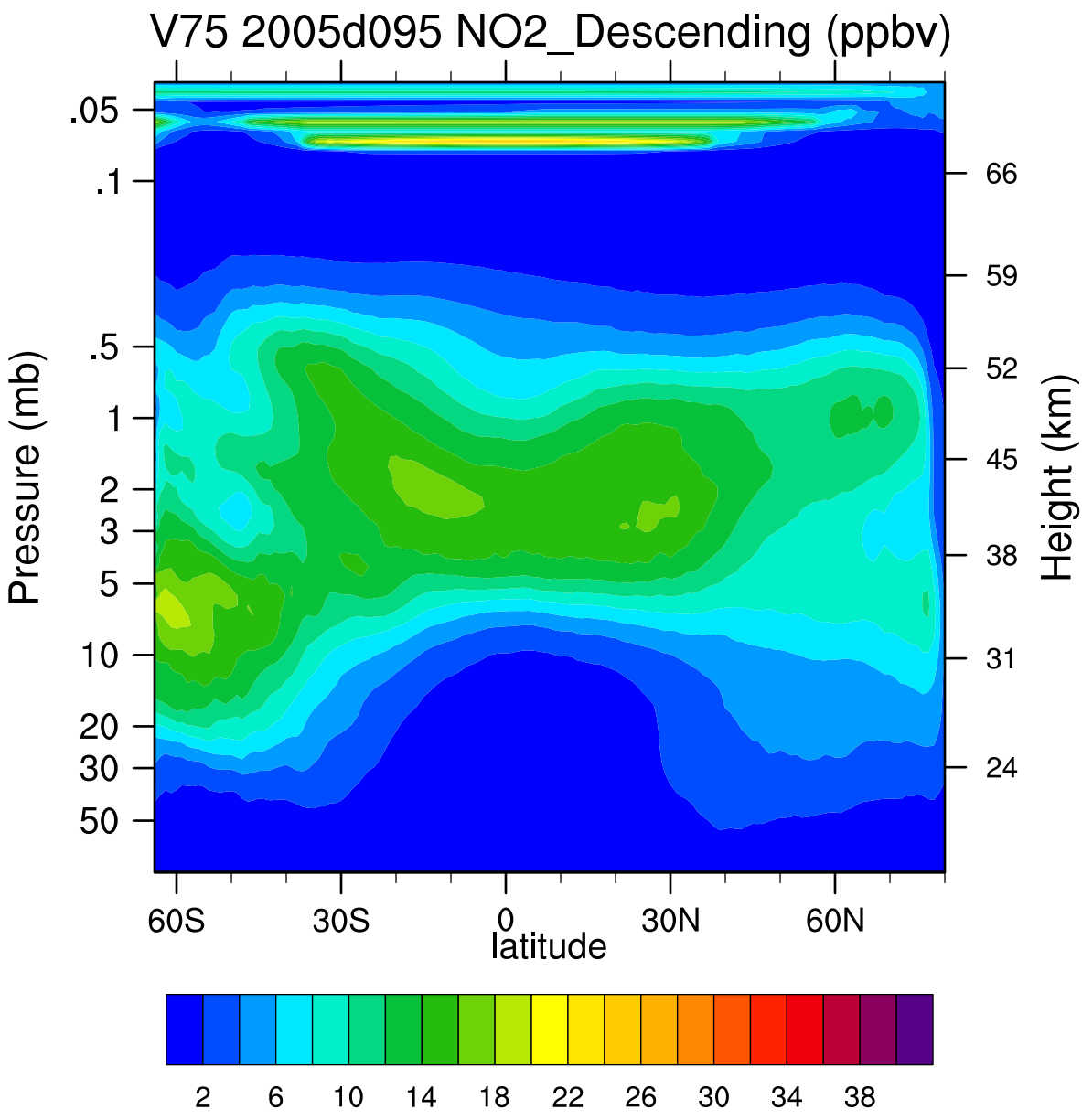
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Height (km)
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60N
latitude
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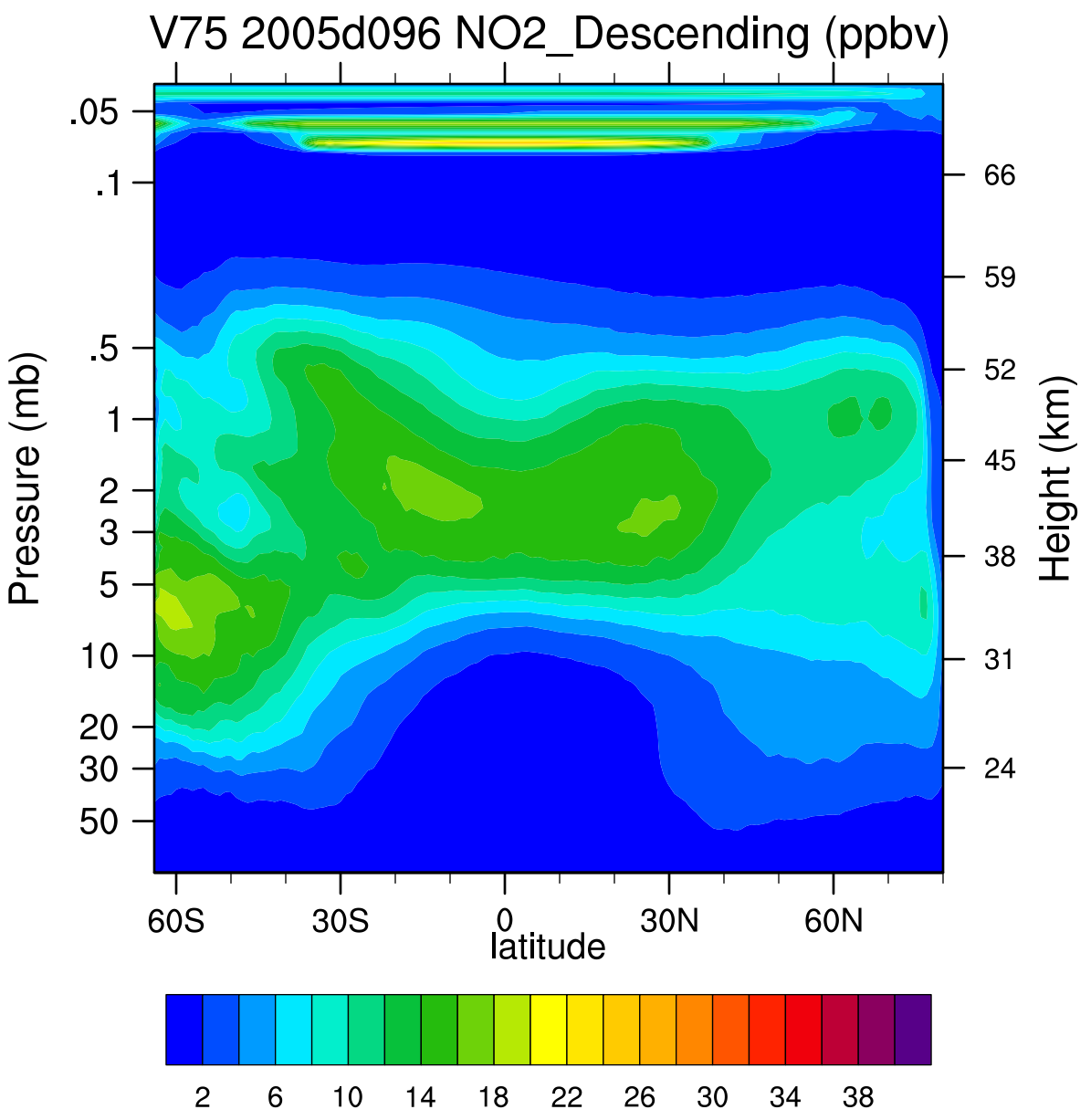
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Height (km)
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52
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30S
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60N
latitude
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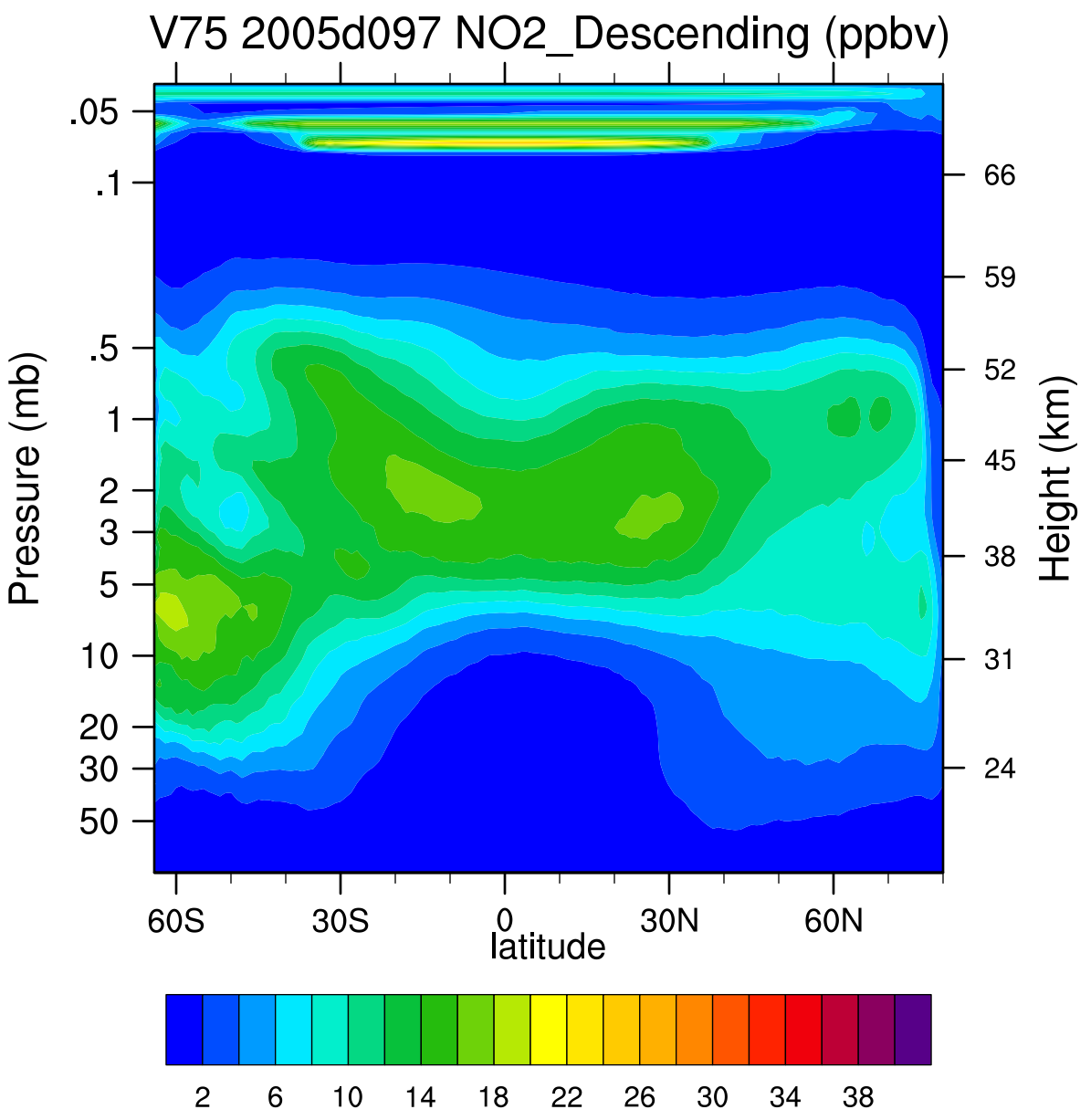
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.5
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Pressure (mb)
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59
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38
31
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Height (km)
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60N
latitude
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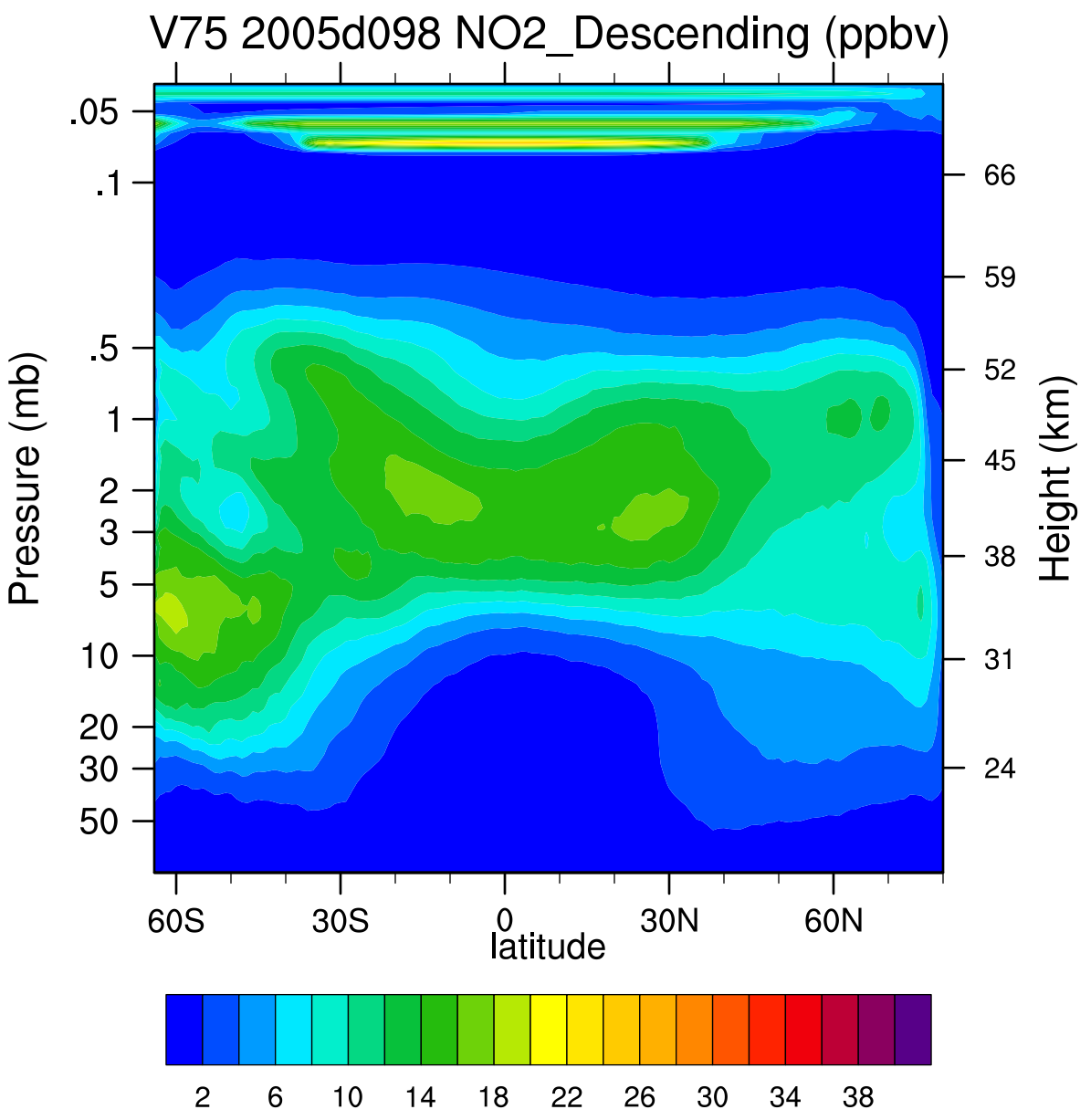
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.5
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Pressure (mb)
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45
38
31
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Height (km)
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60N
latitude
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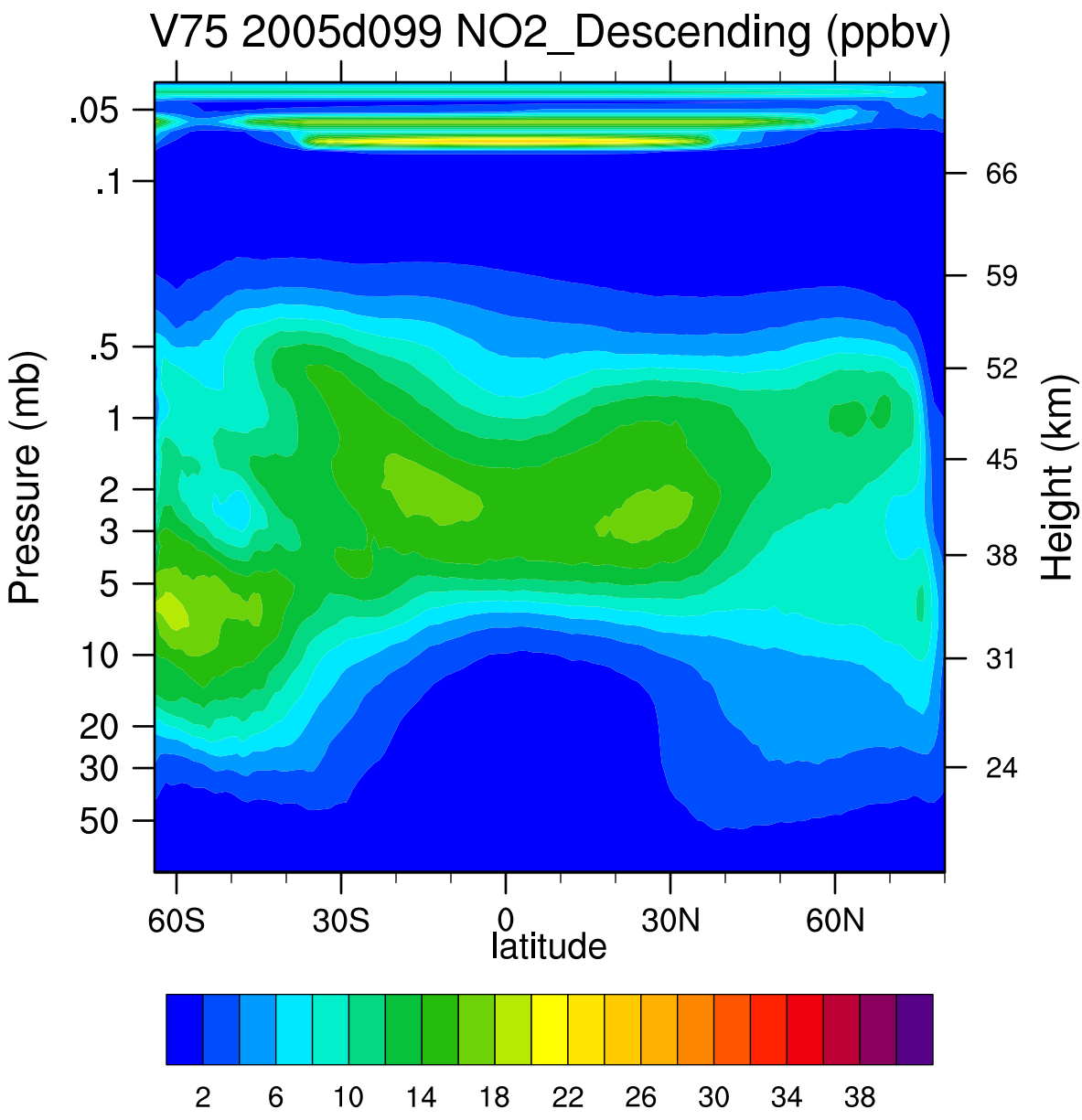
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Height (km)
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52
45
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60N
latitude
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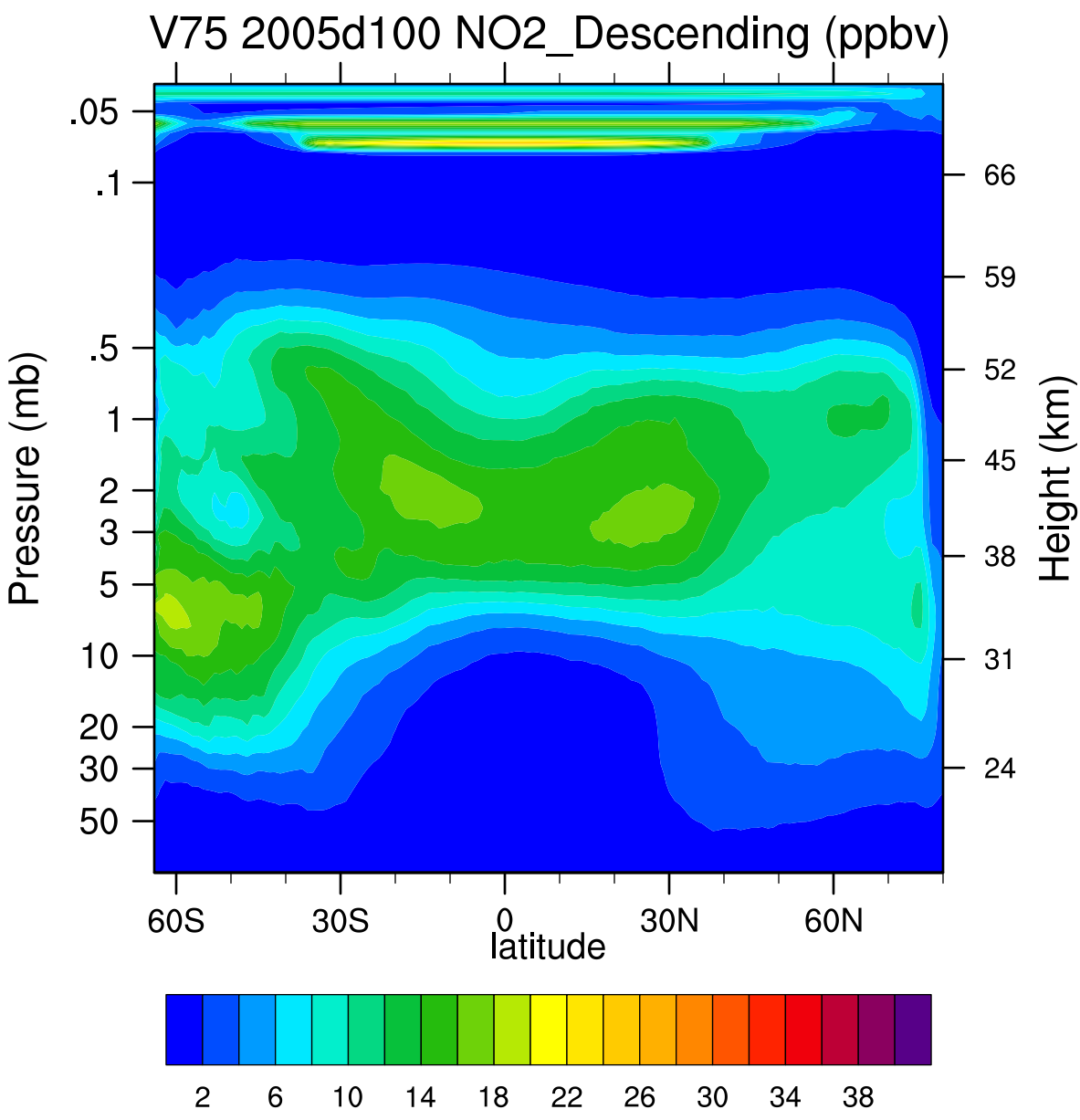
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Pressure (mb)
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38
31
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Height (km)
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60N
latitude
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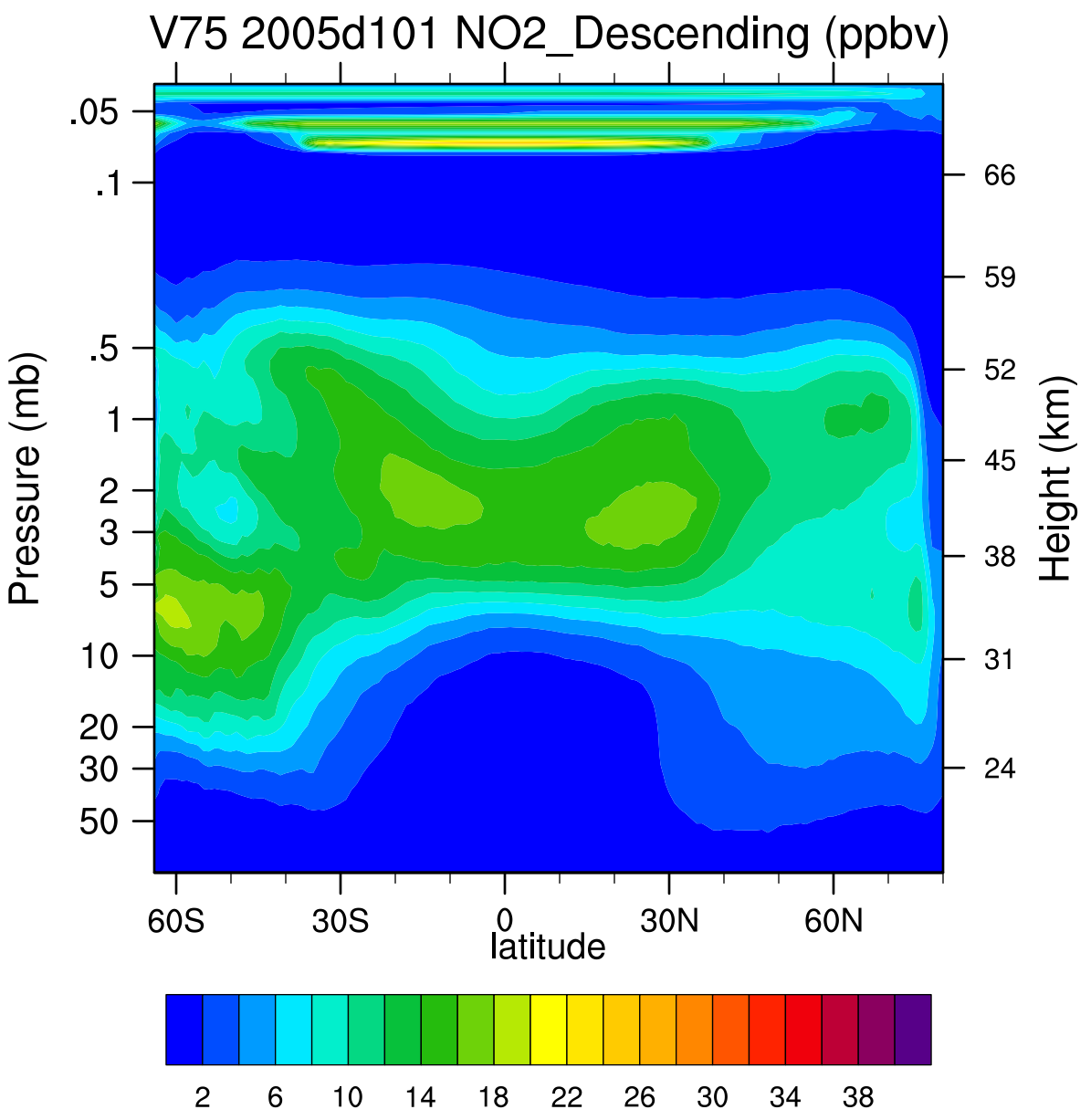
V75 2005d101 NO2_Descending (ppbv)
Pressure (mb)
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10
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Height (km)
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52
45
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30S
0
30N
60N
latitude
2
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18
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26
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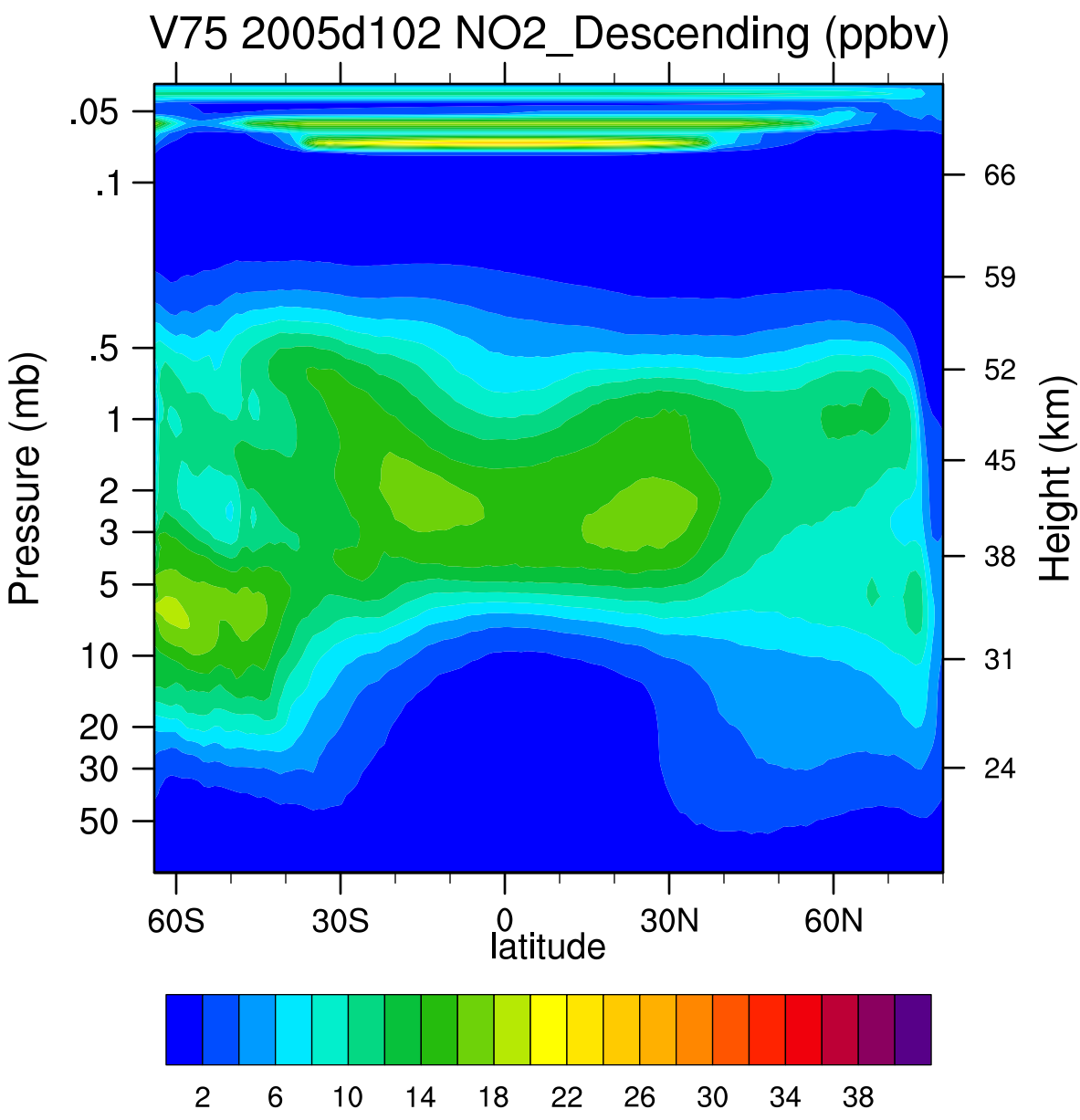
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20
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Height (km)
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52
45
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30S
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60N
latitude
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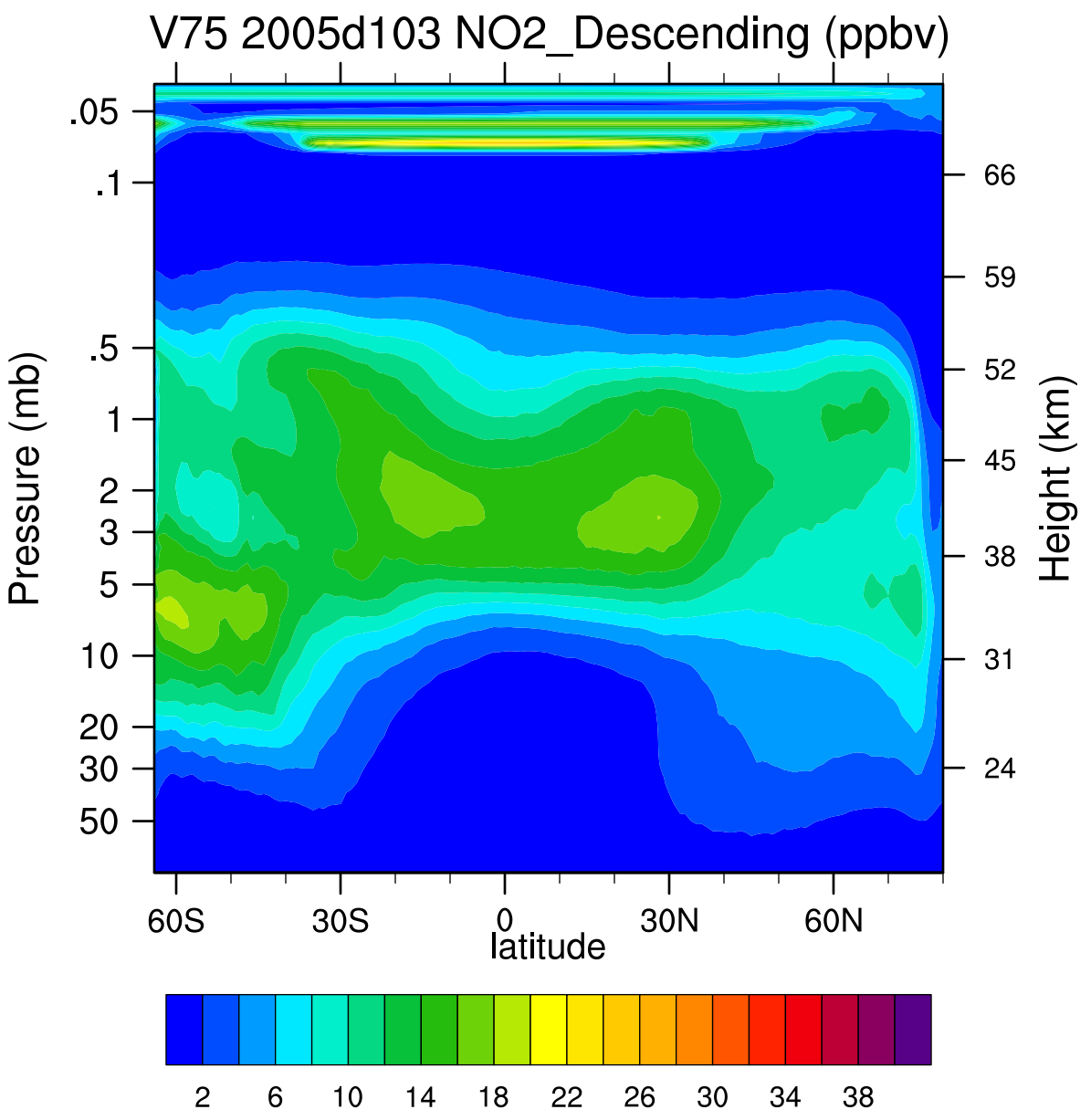
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Pressure (mb)
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Height (km)
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59
52
45
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30S
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60N
latitude
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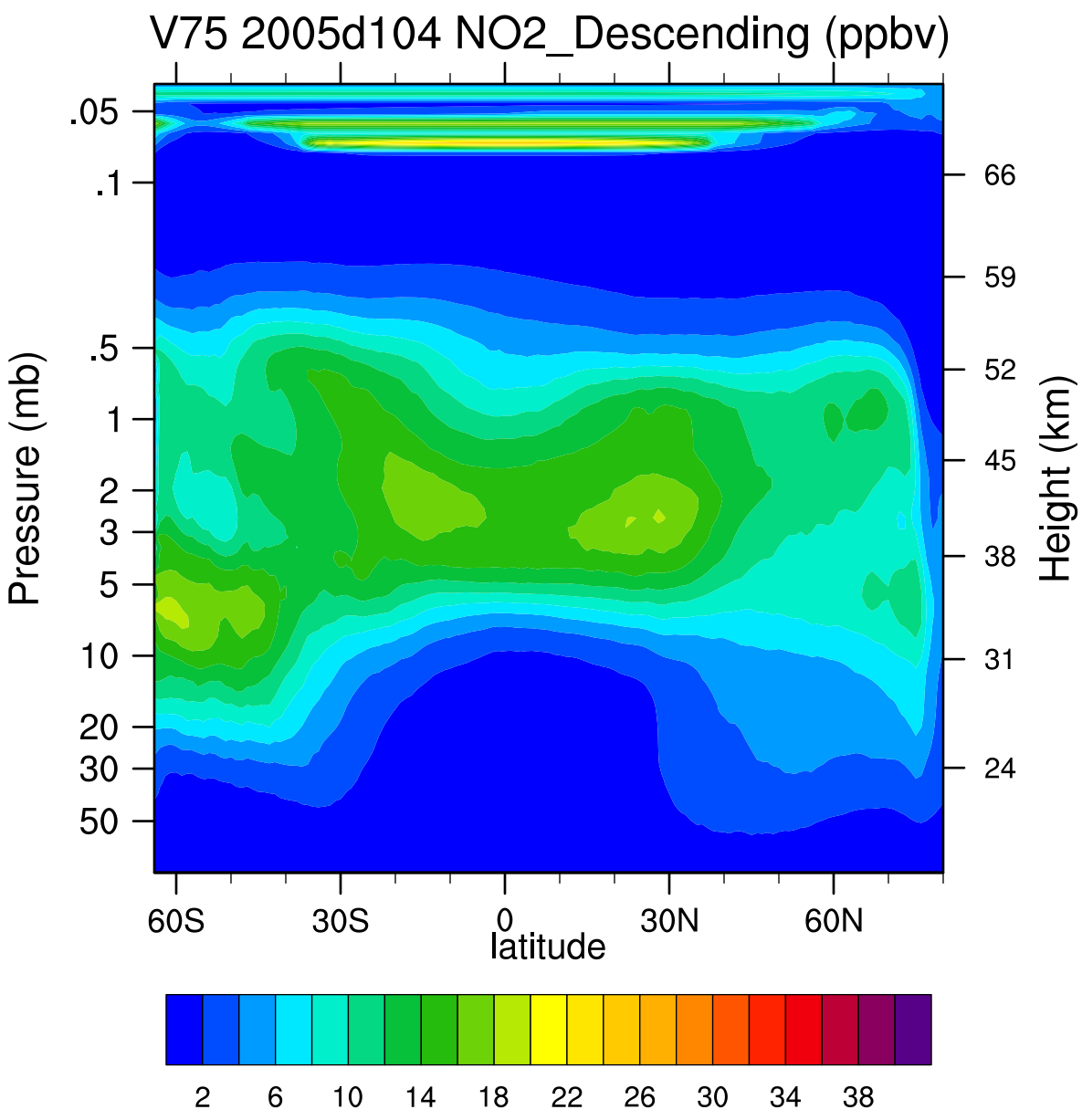
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Height (km)
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latitude
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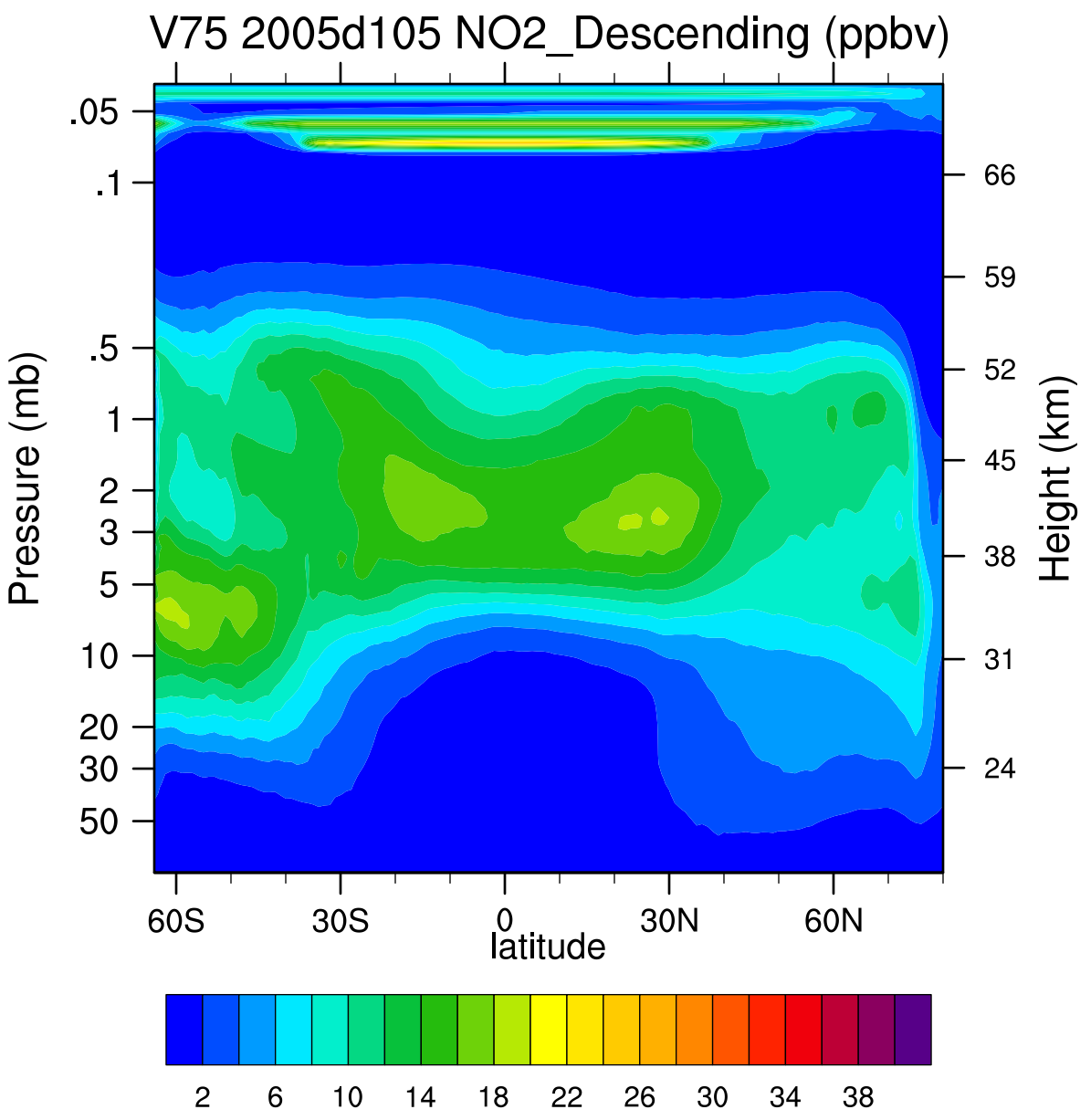
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Height (km)
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52
45
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60N
latitude
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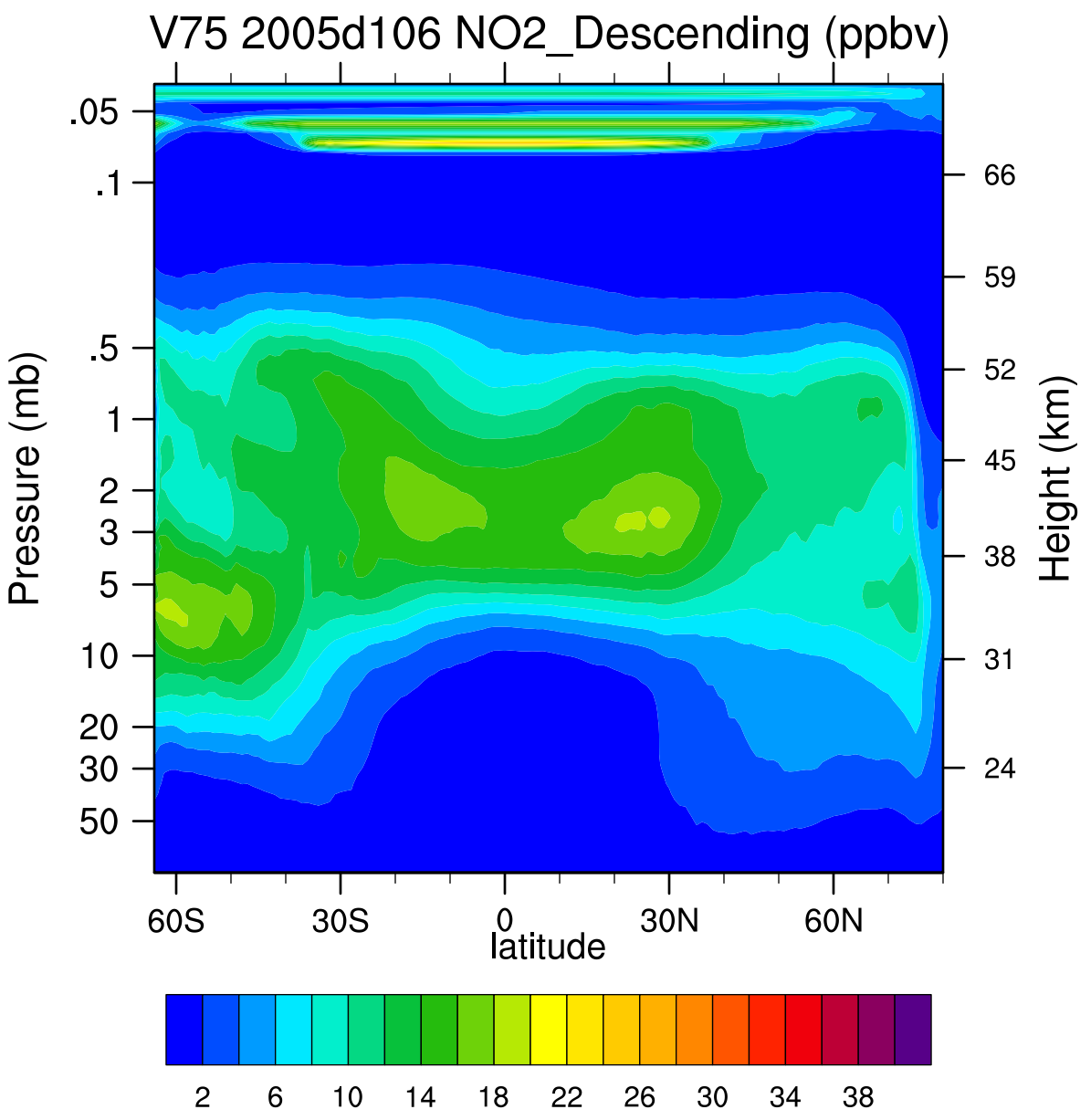
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Height (km)
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59
52
45
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30S
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60N
latitude
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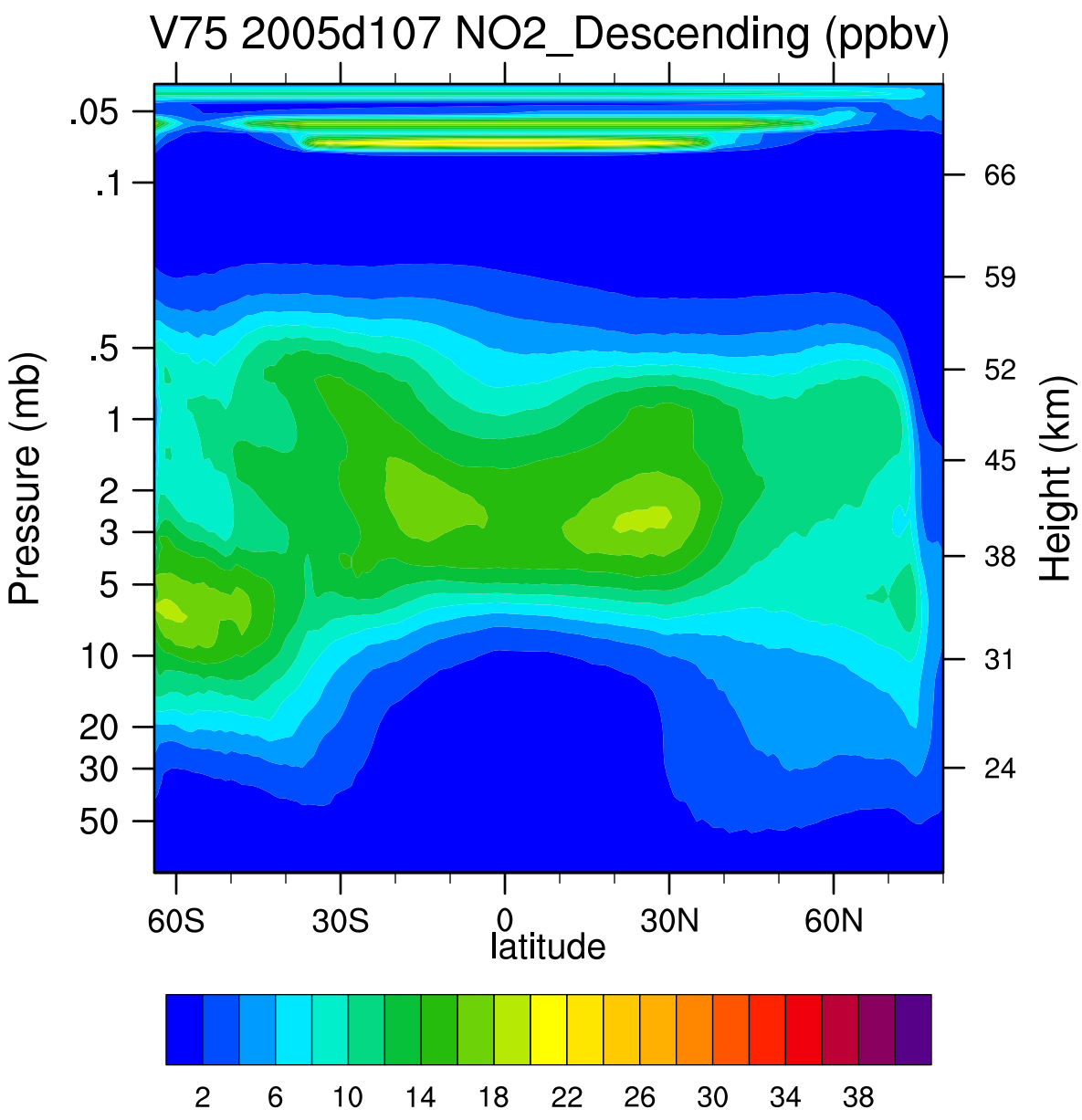
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Pressure (mb)
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30
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Height (km)
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52
45
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30N
60N
latitude
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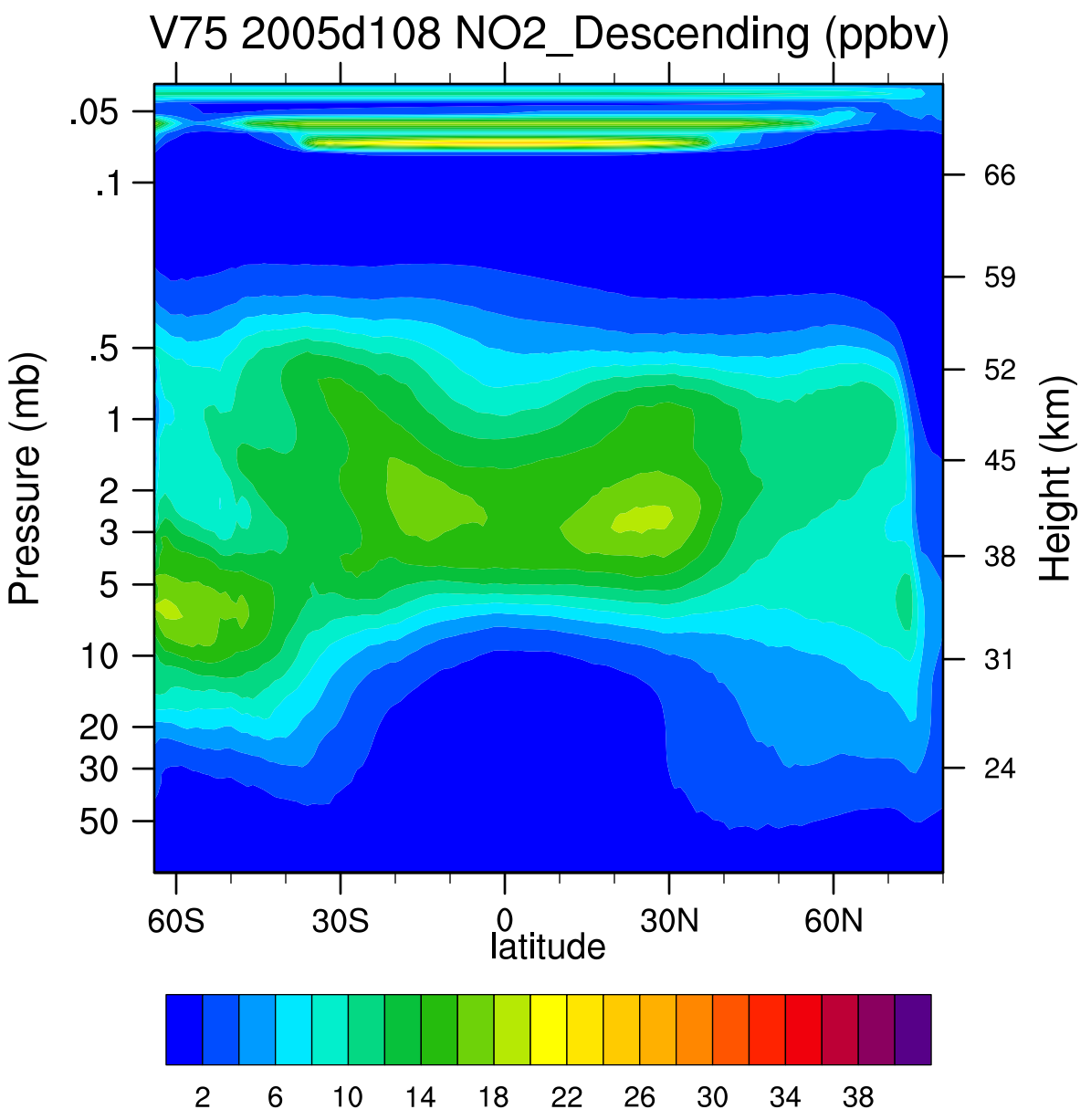
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5
10
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30
50
Height (km)
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59
52
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latitude
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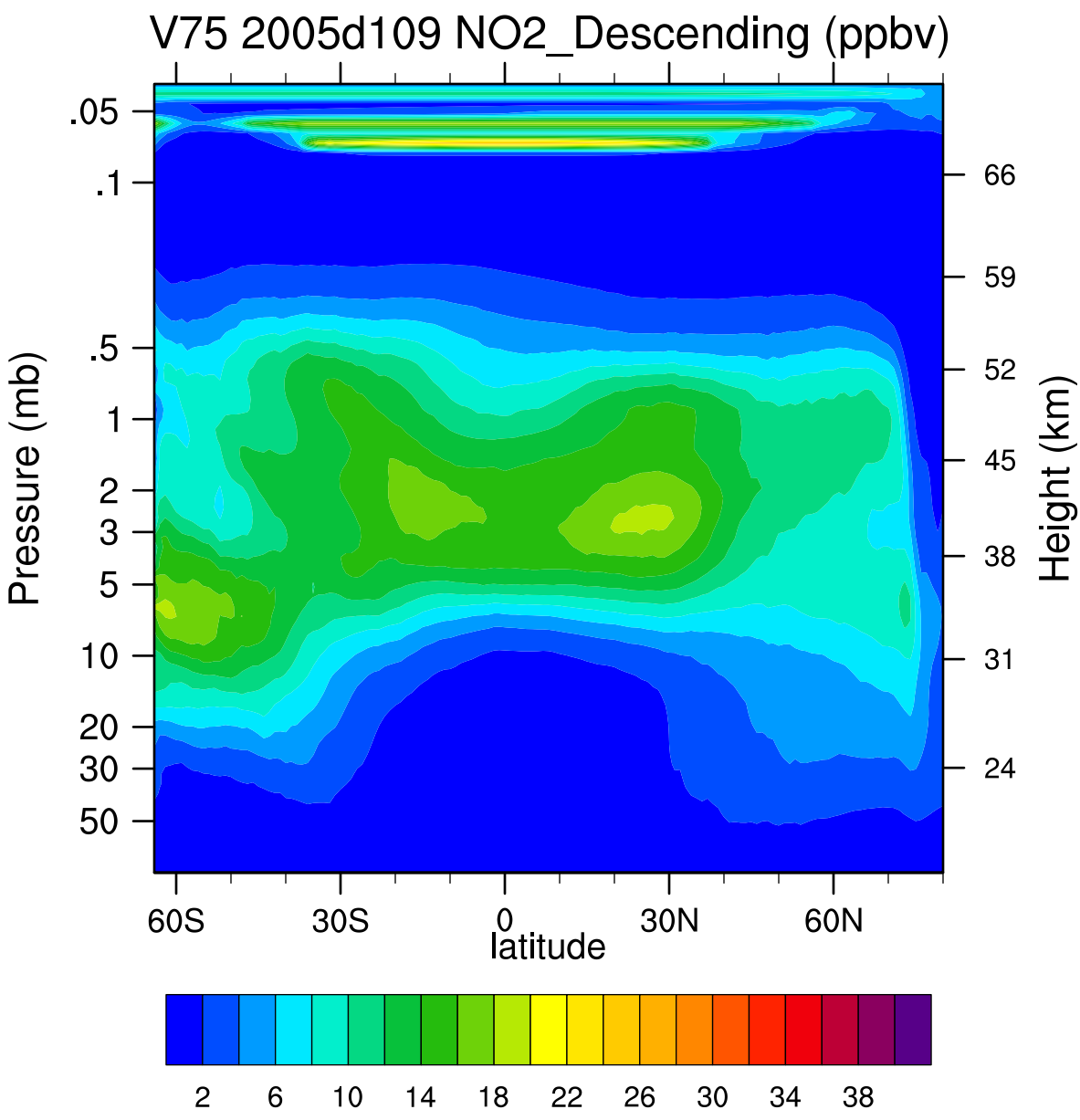
V75 2005d109 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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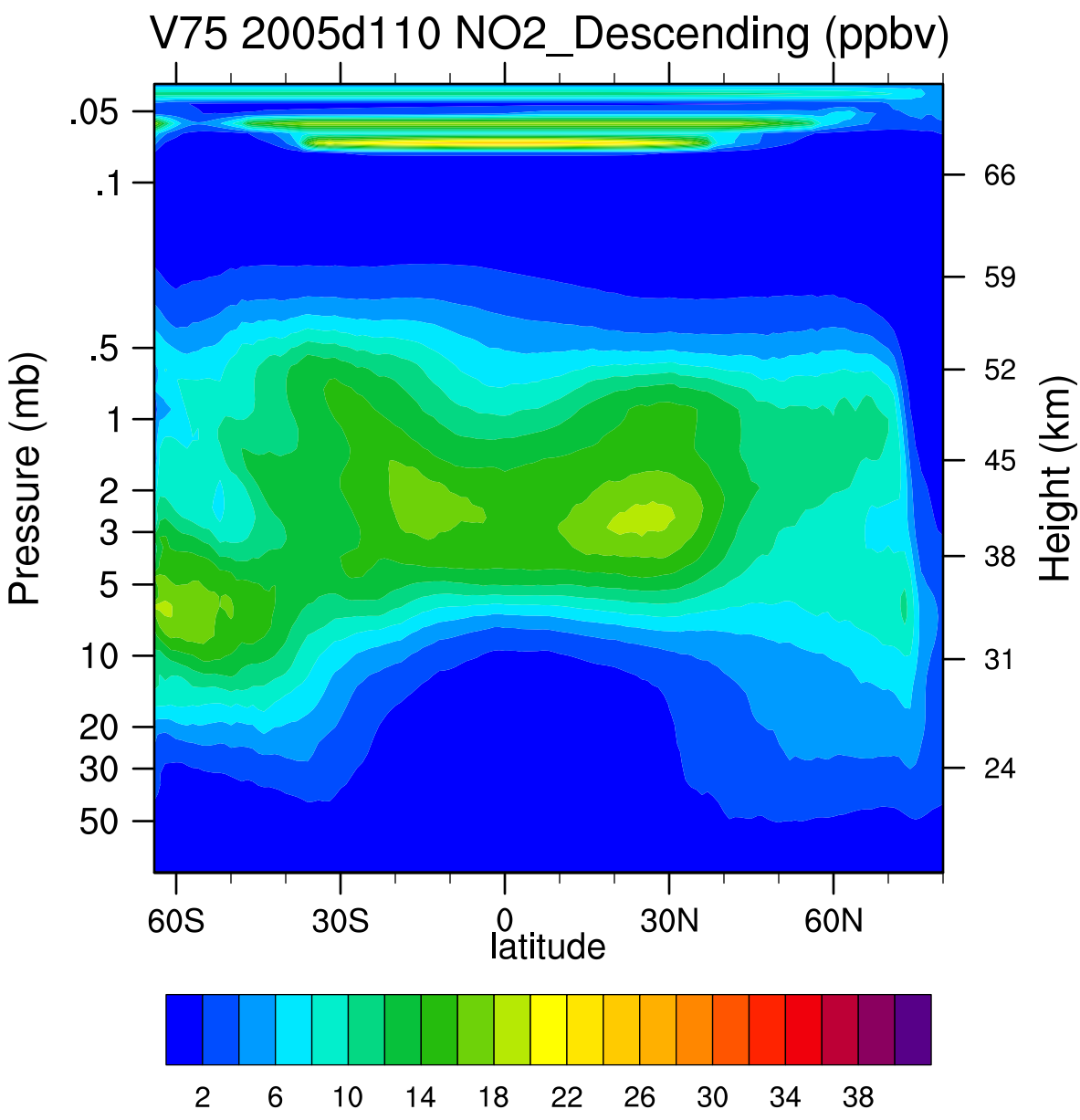
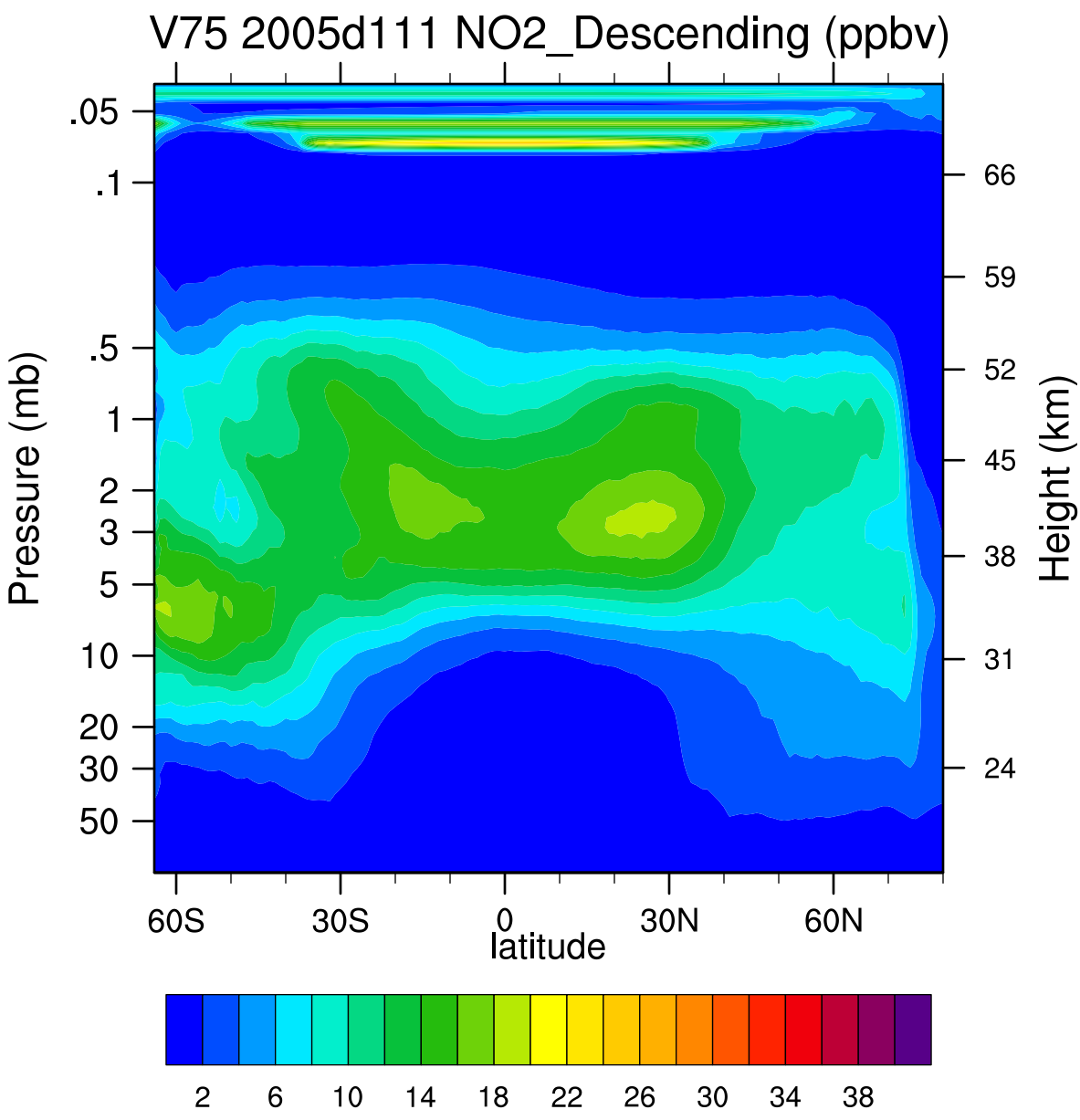
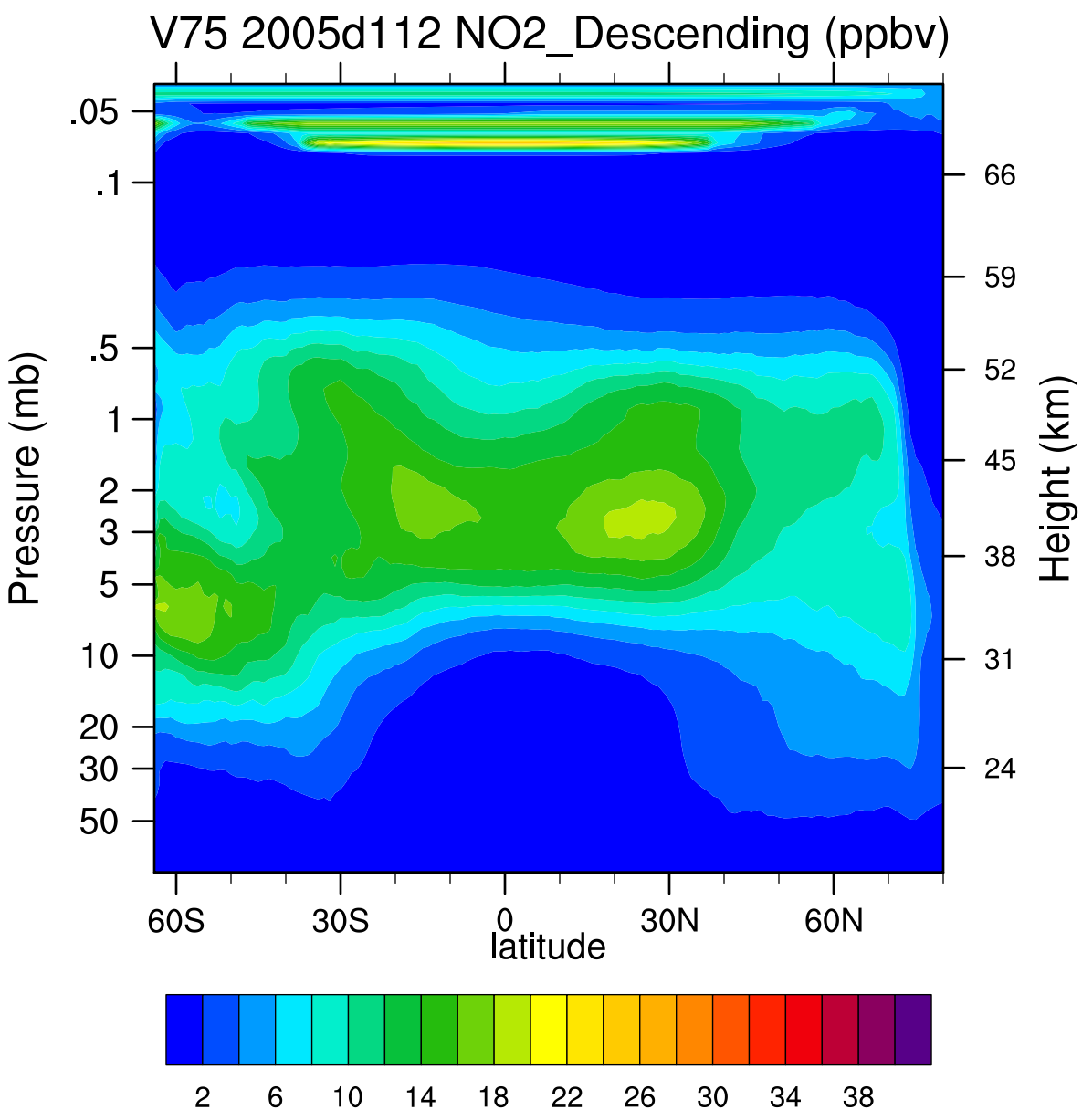

V75 2005d110 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d111 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d112 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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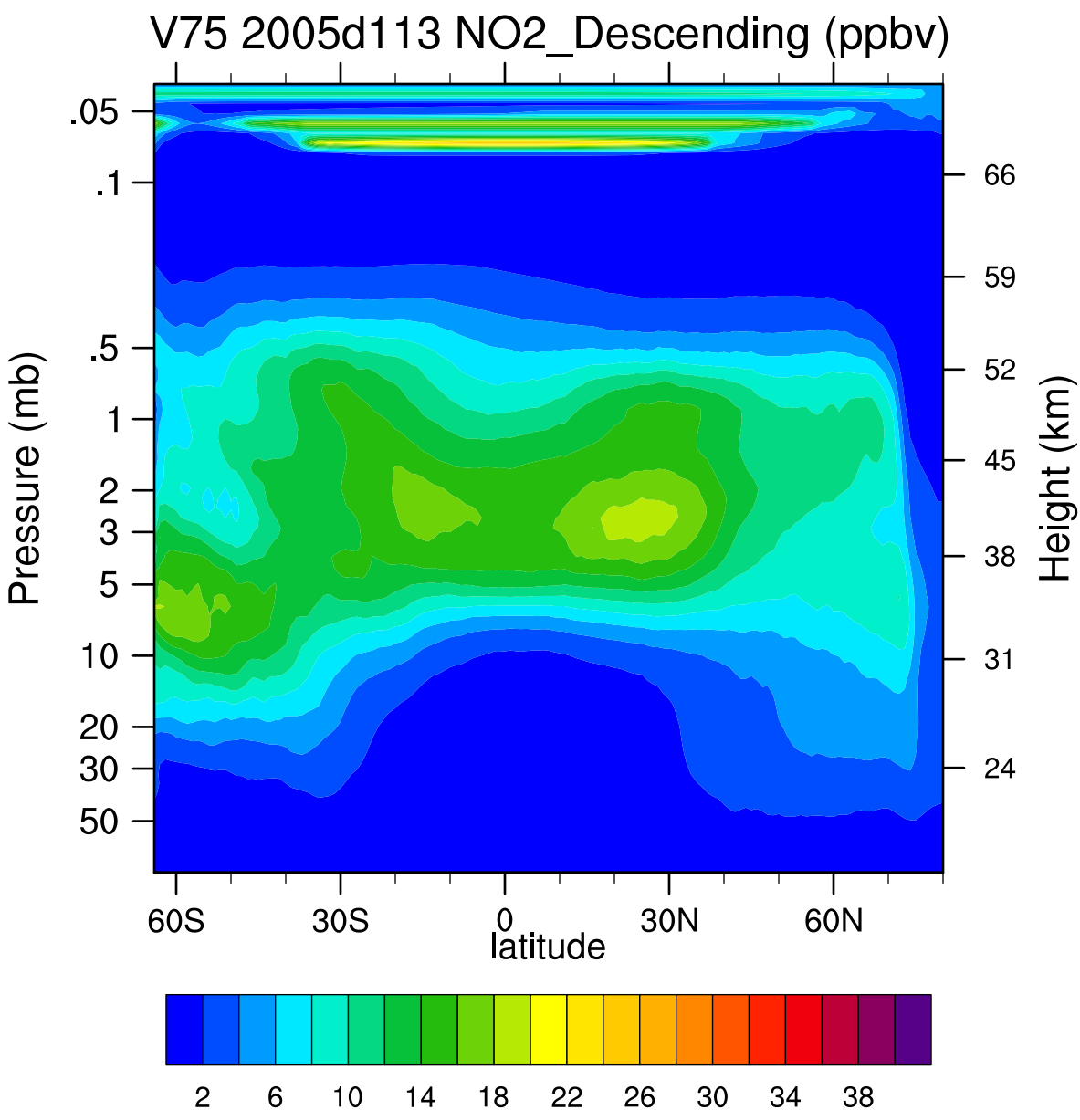
V75 2005d113 NO2_Descending (ppbv)
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.1
.5
1
2
3
5
10
20
30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
60S
30S
0
30N
60N
latitude
2
6
10
14
18
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26
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34
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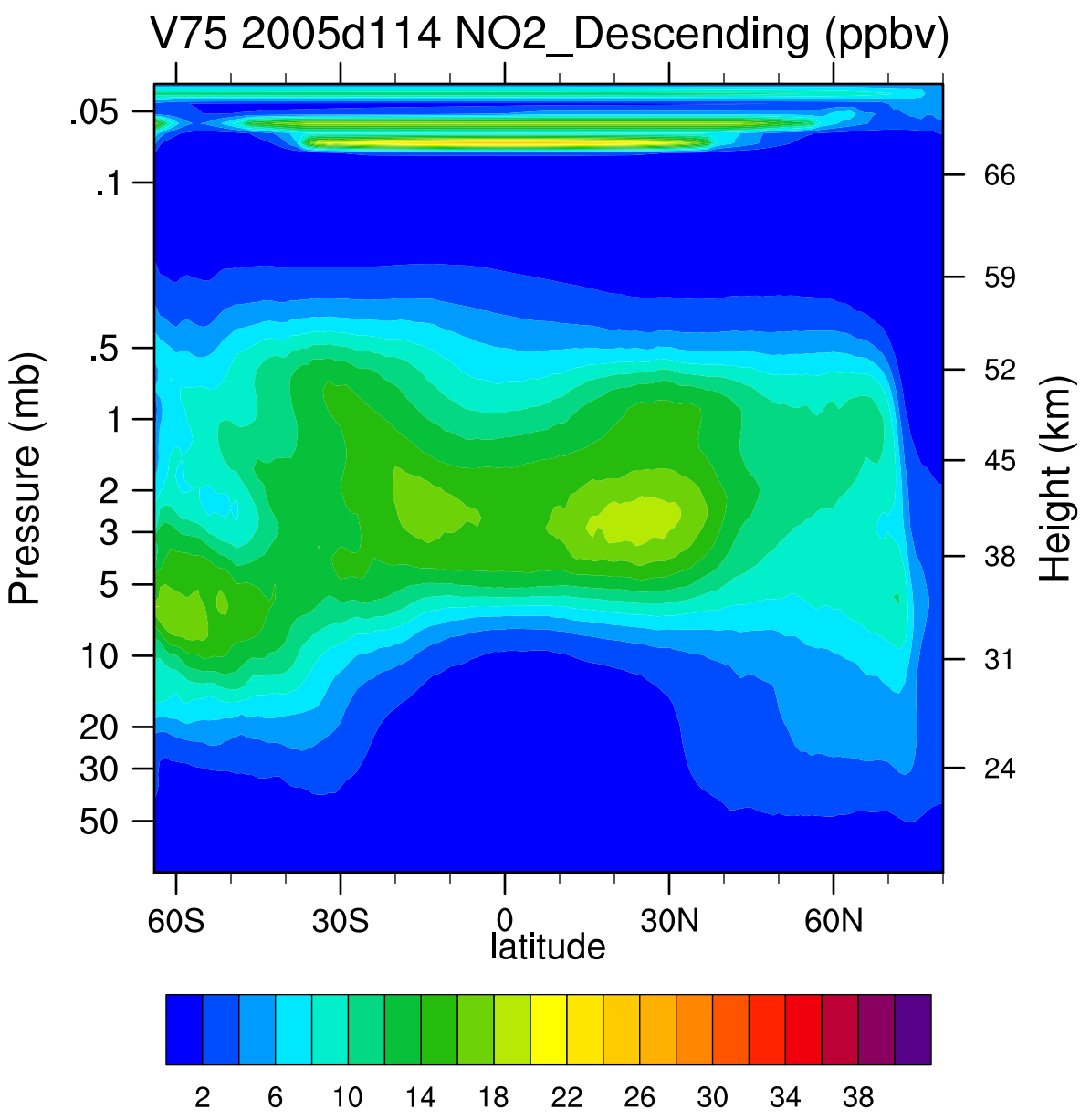
V75 2005d114 NO2_Descending (ppbv)
Pressure (mb)
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.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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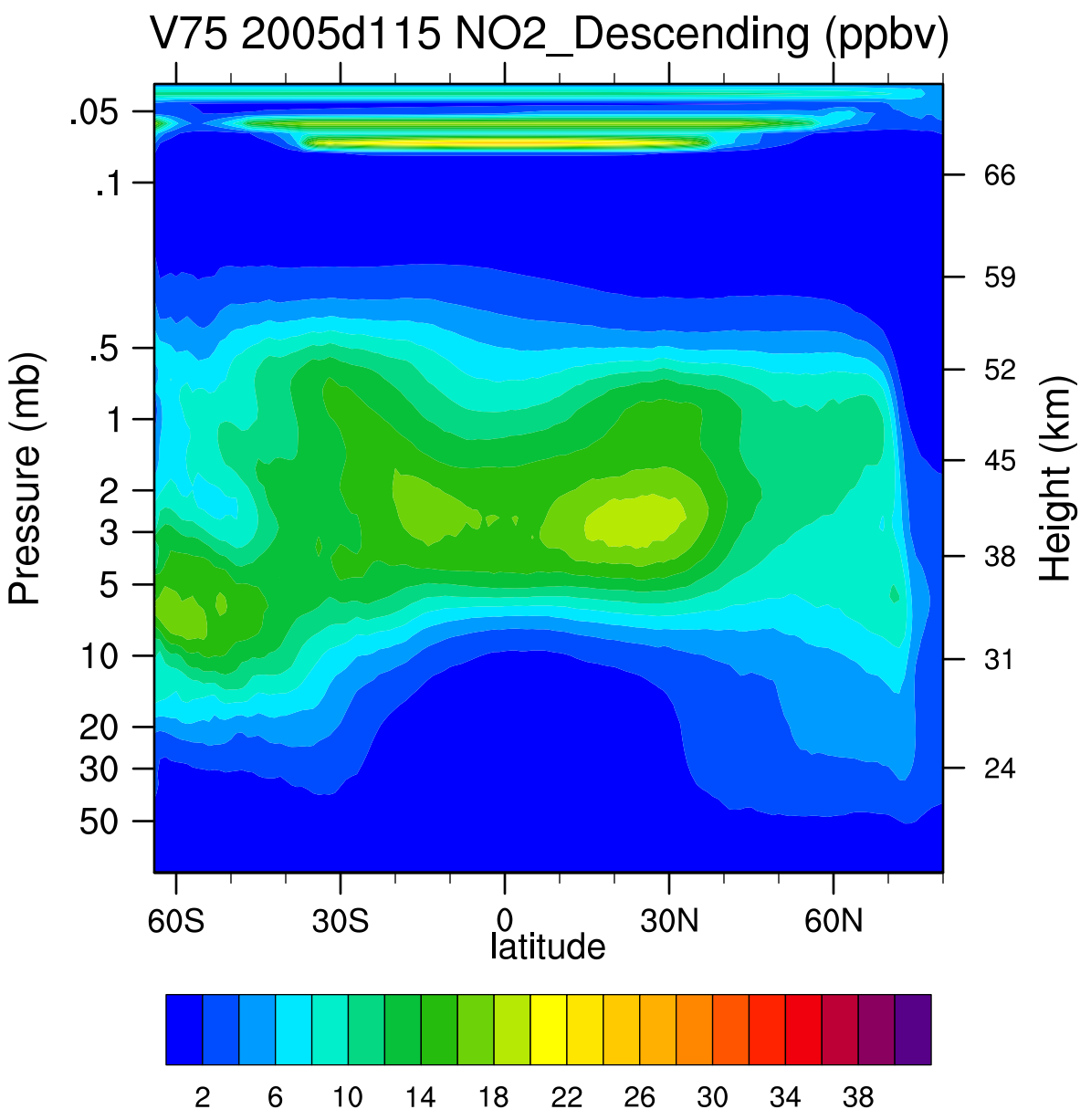
V75 2005d115 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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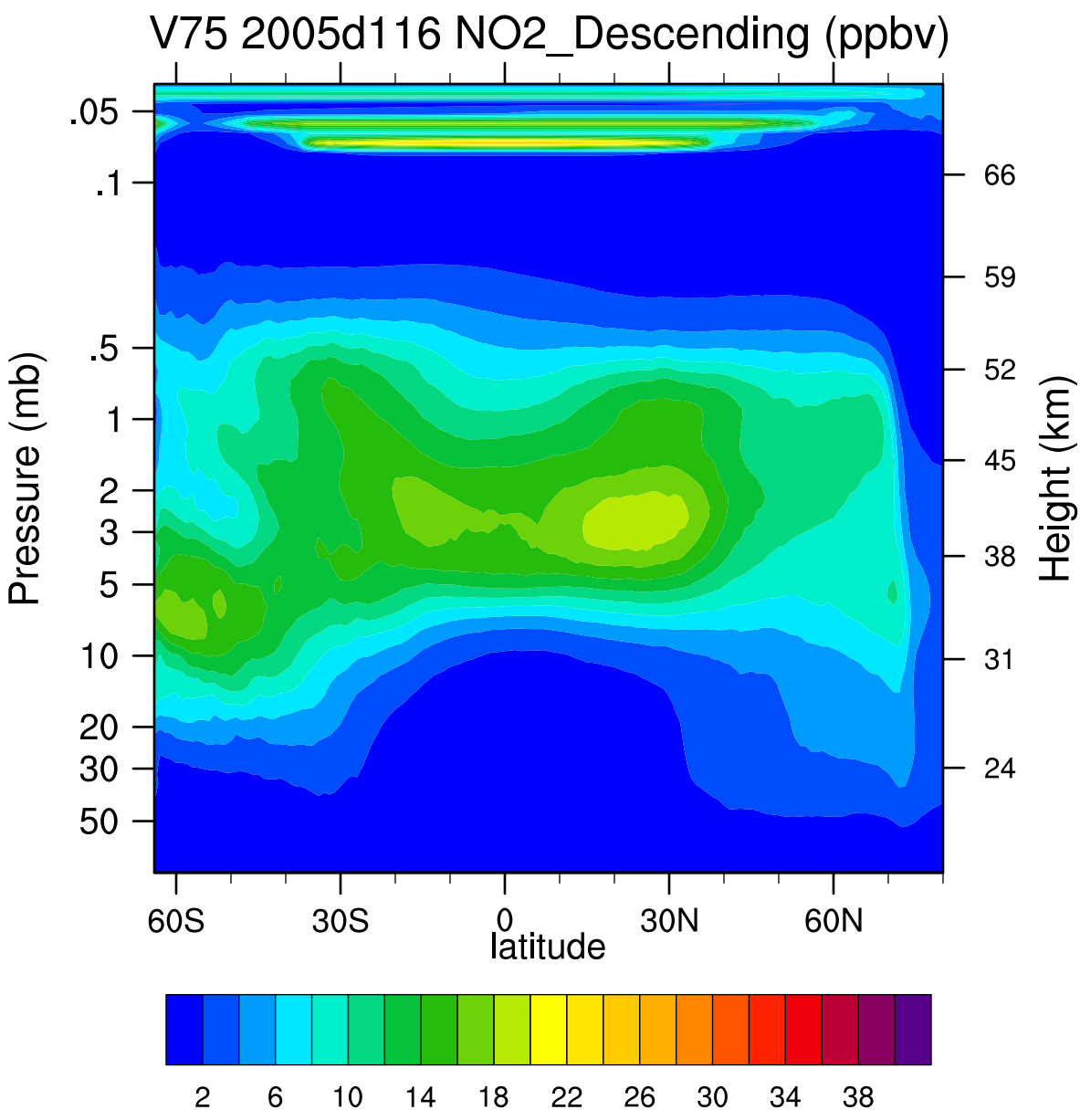
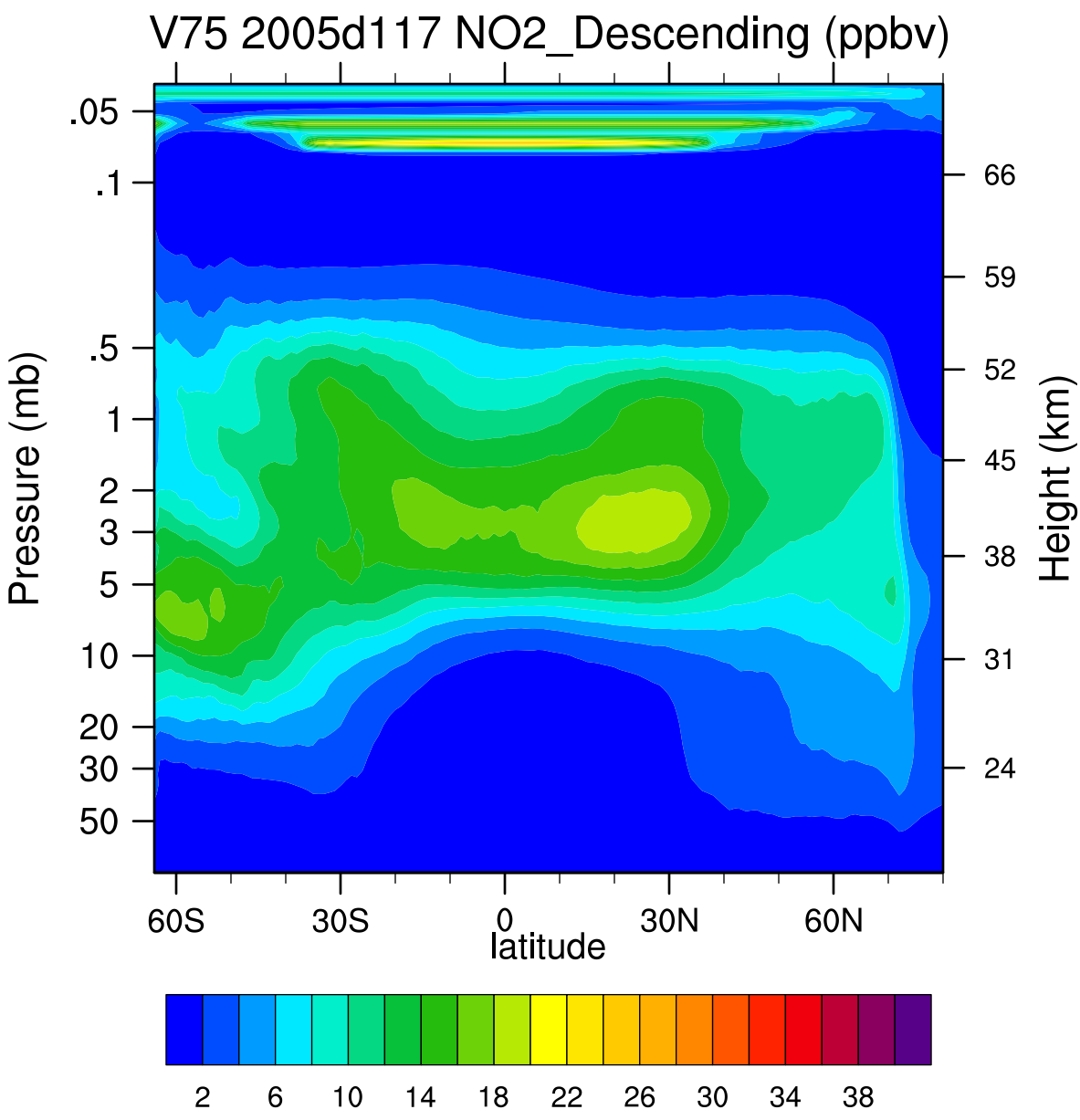
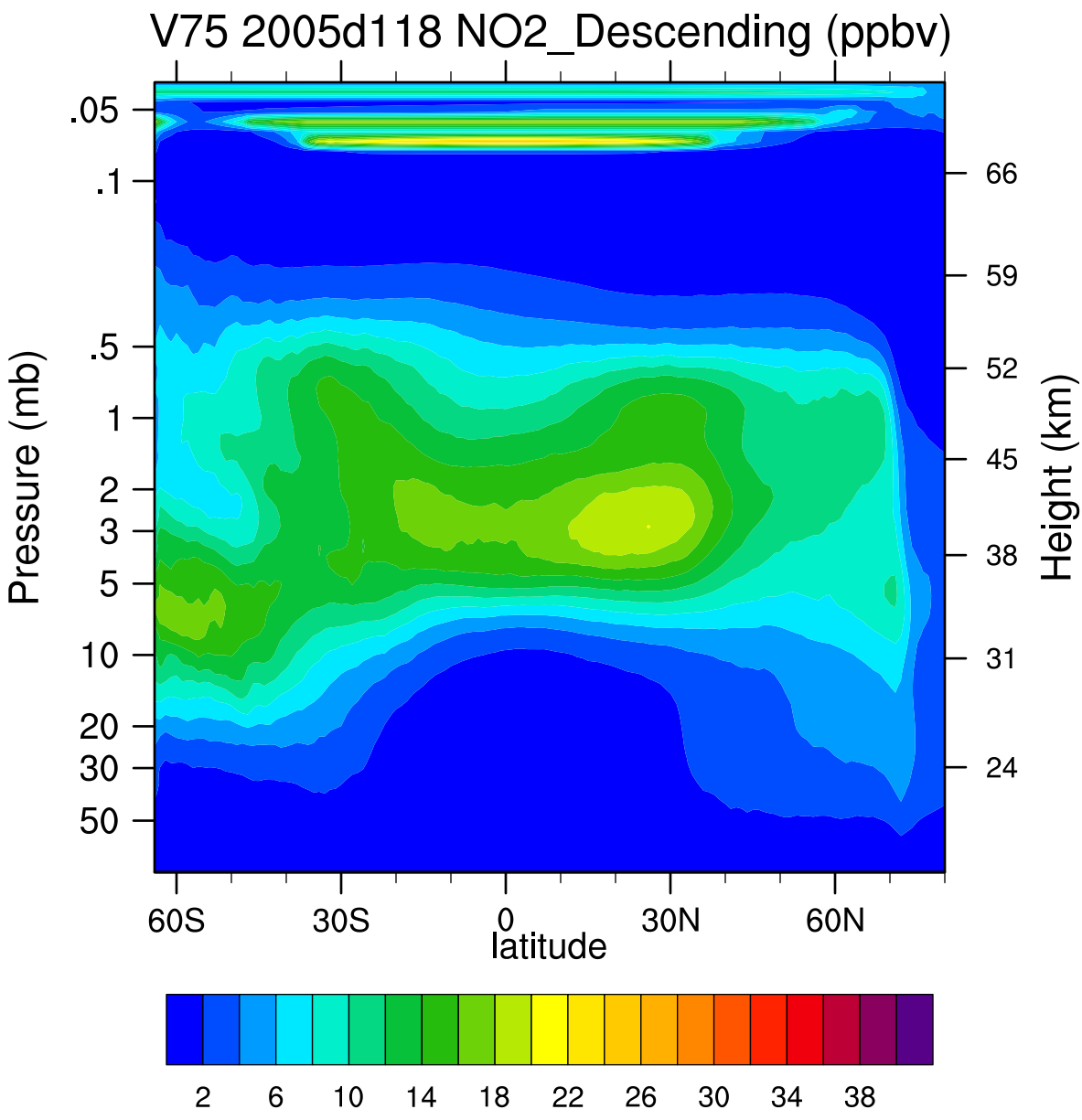

V75 2005d116 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d117 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d118 NO2_Descending (ppbv)
Pressure (mb)
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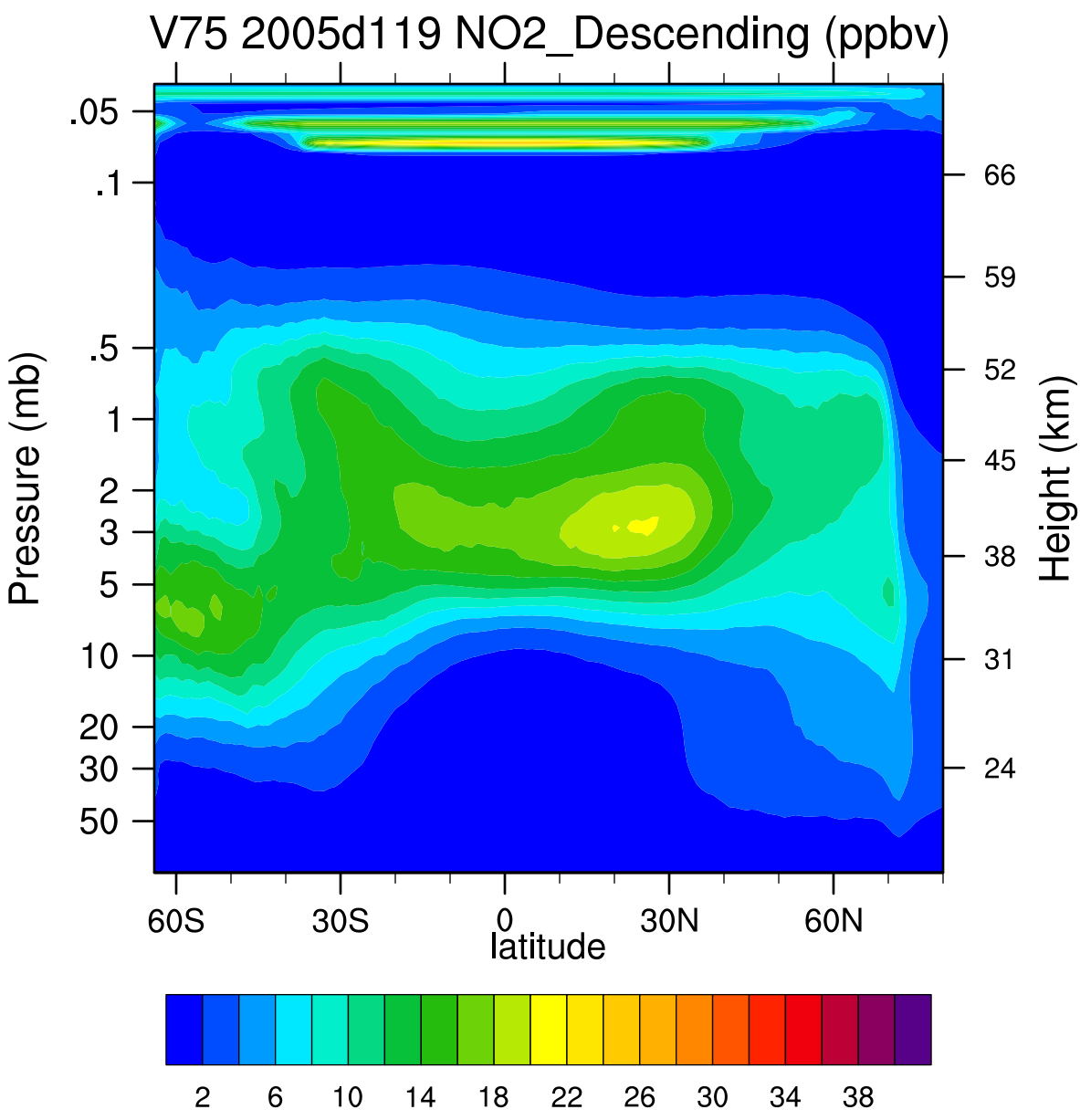
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d119 NO2_Descending (ppbv)
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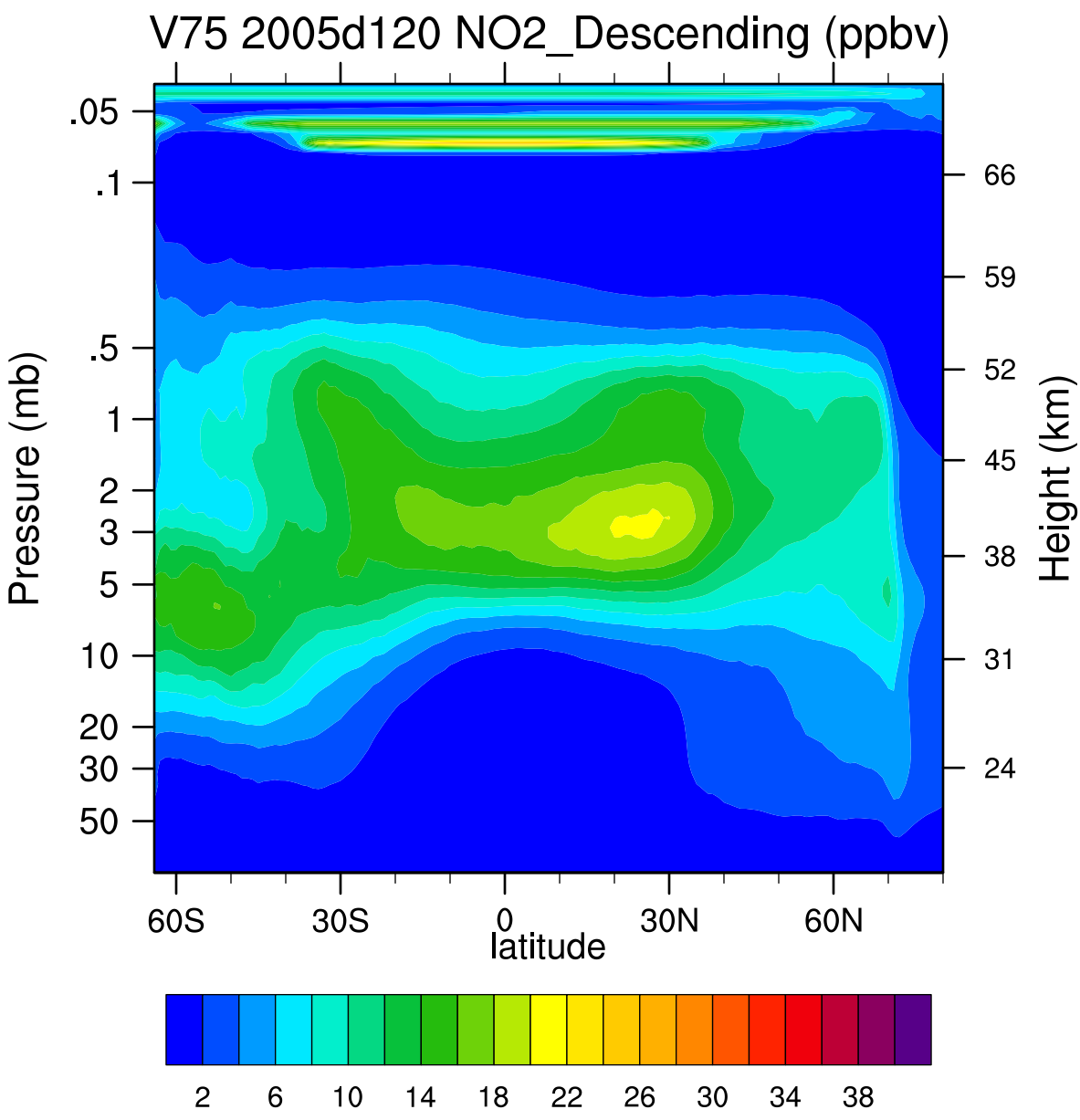
.1
.5
1
2
3
5
10
20
30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d120 NO2_Descending (ppbv)
Pressure (mb)
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.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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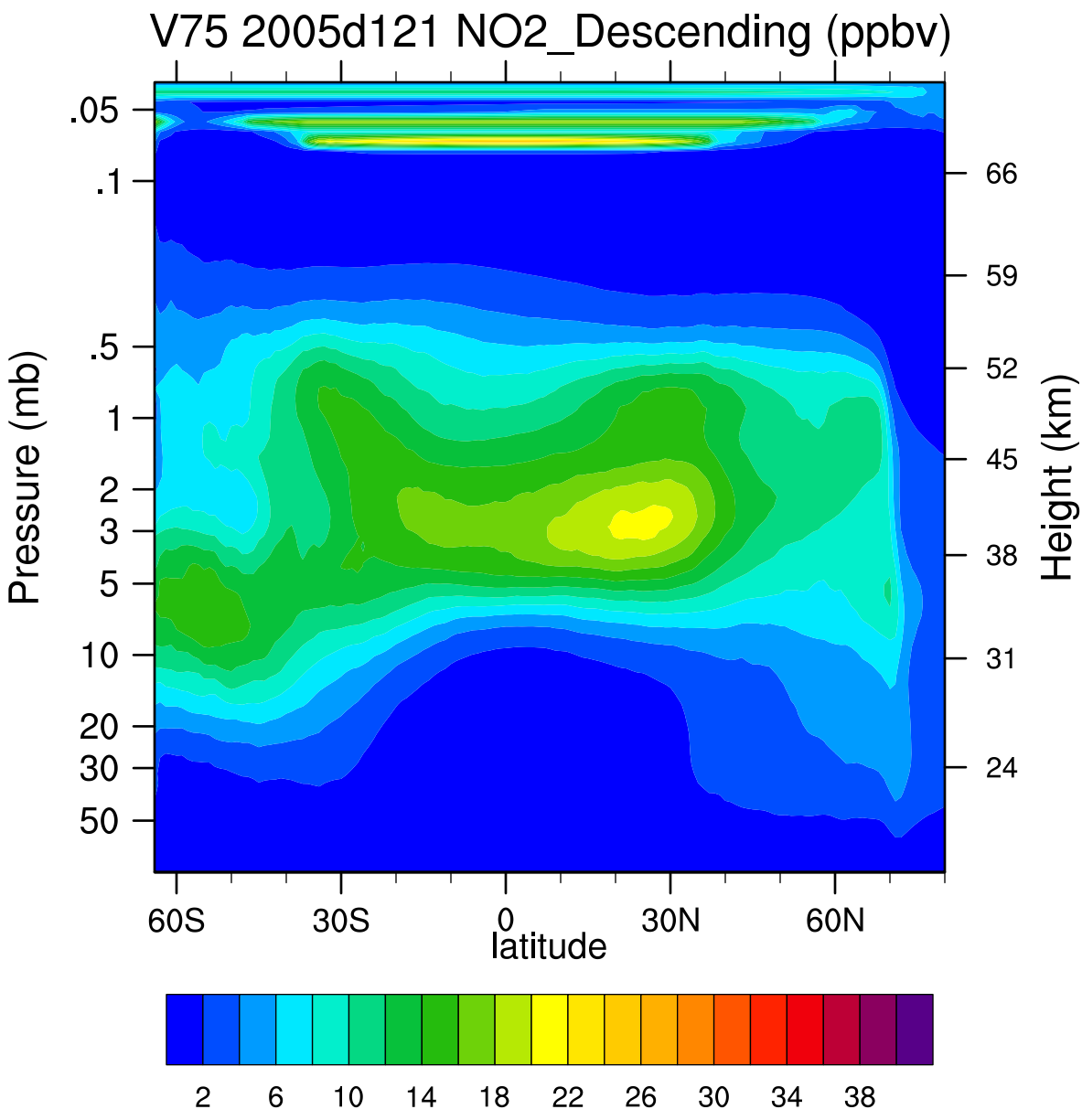
V75 2005d121 NO2_Descending (ppbv)
Pressure (mb)
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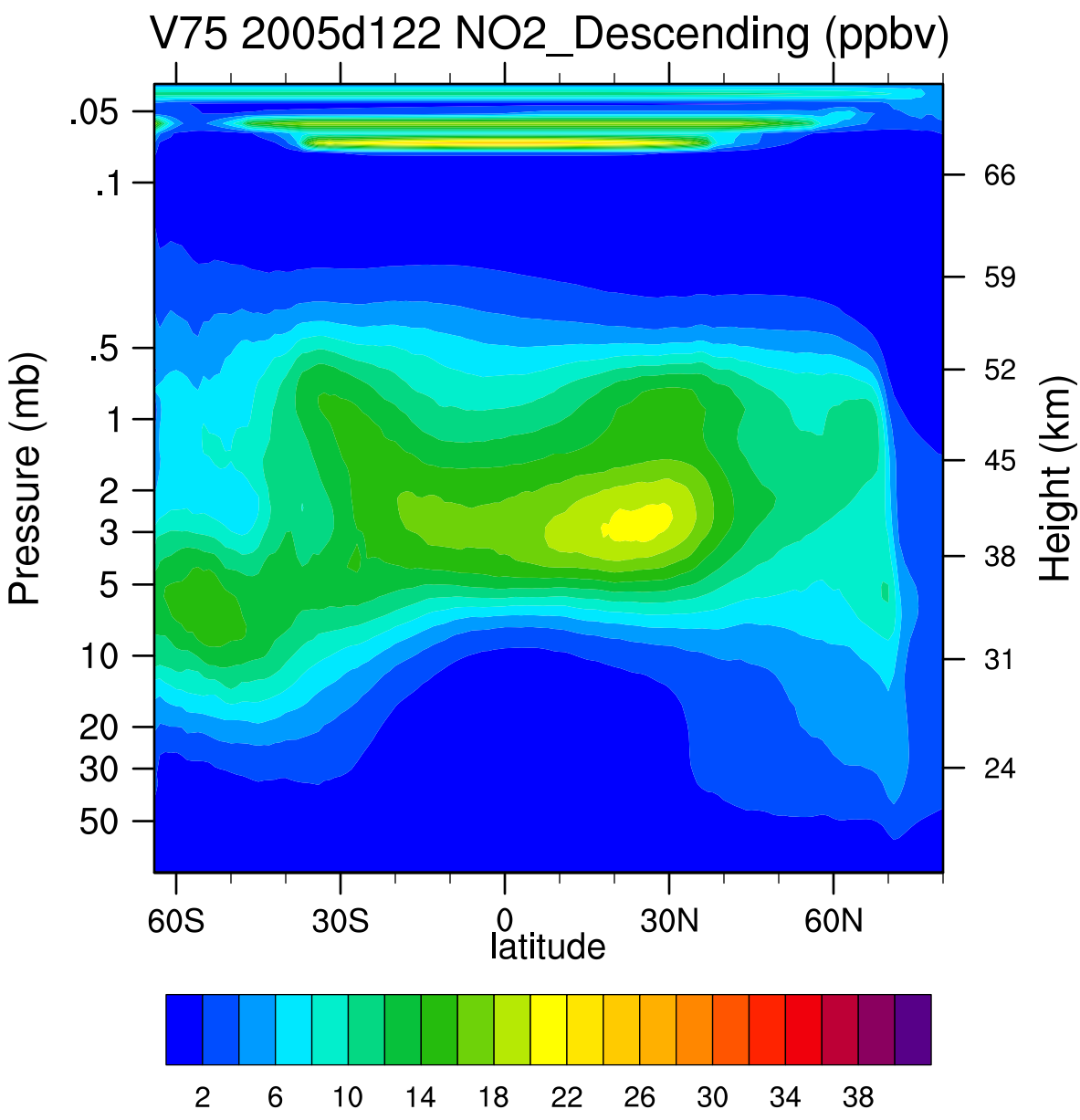
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d122 NO2_Descending (ppbv)
Pressure (mb)
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.5
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2
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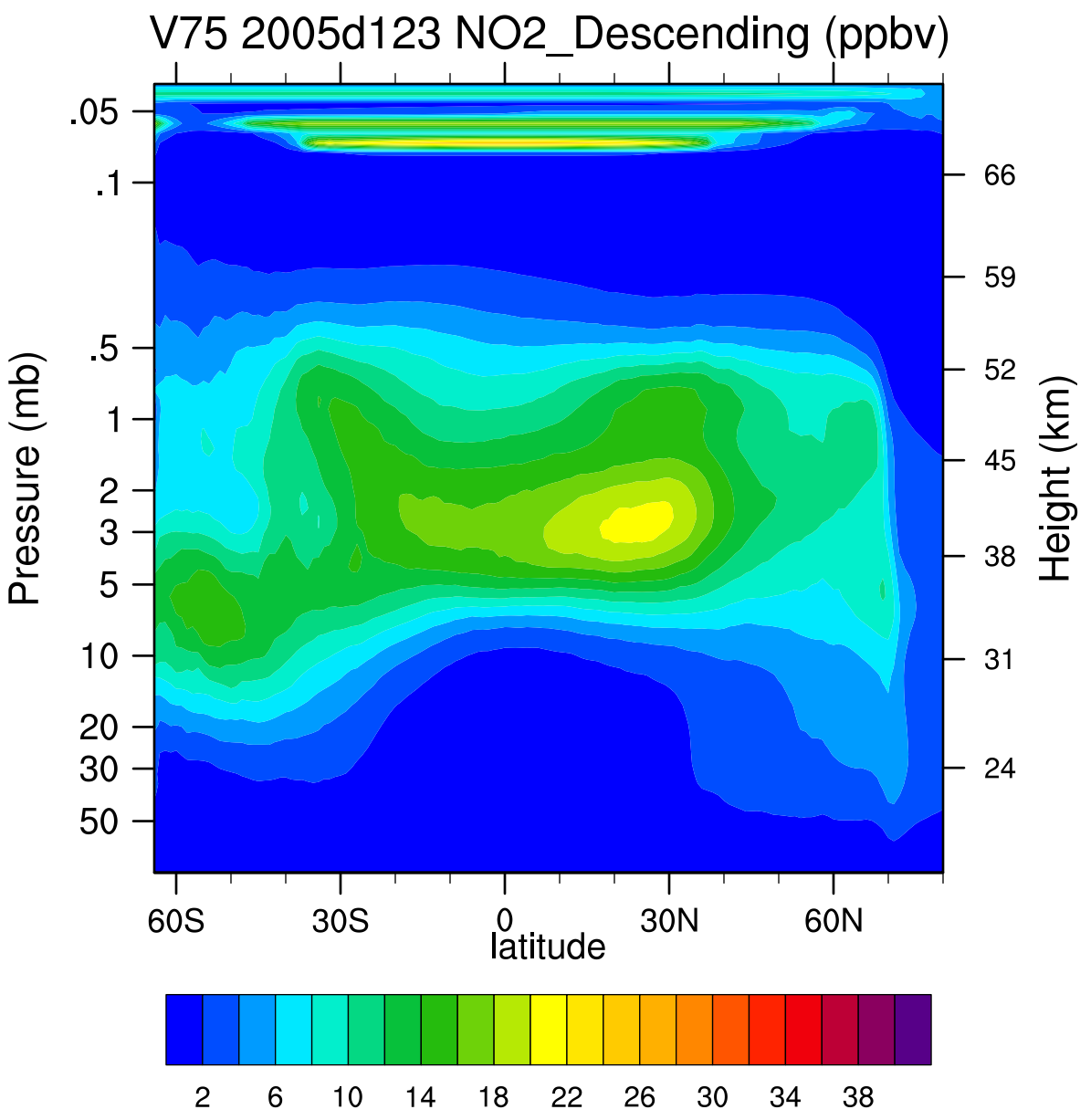
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d123 NO2_Descending (ppbv)
Pressure (mb)
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.5
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5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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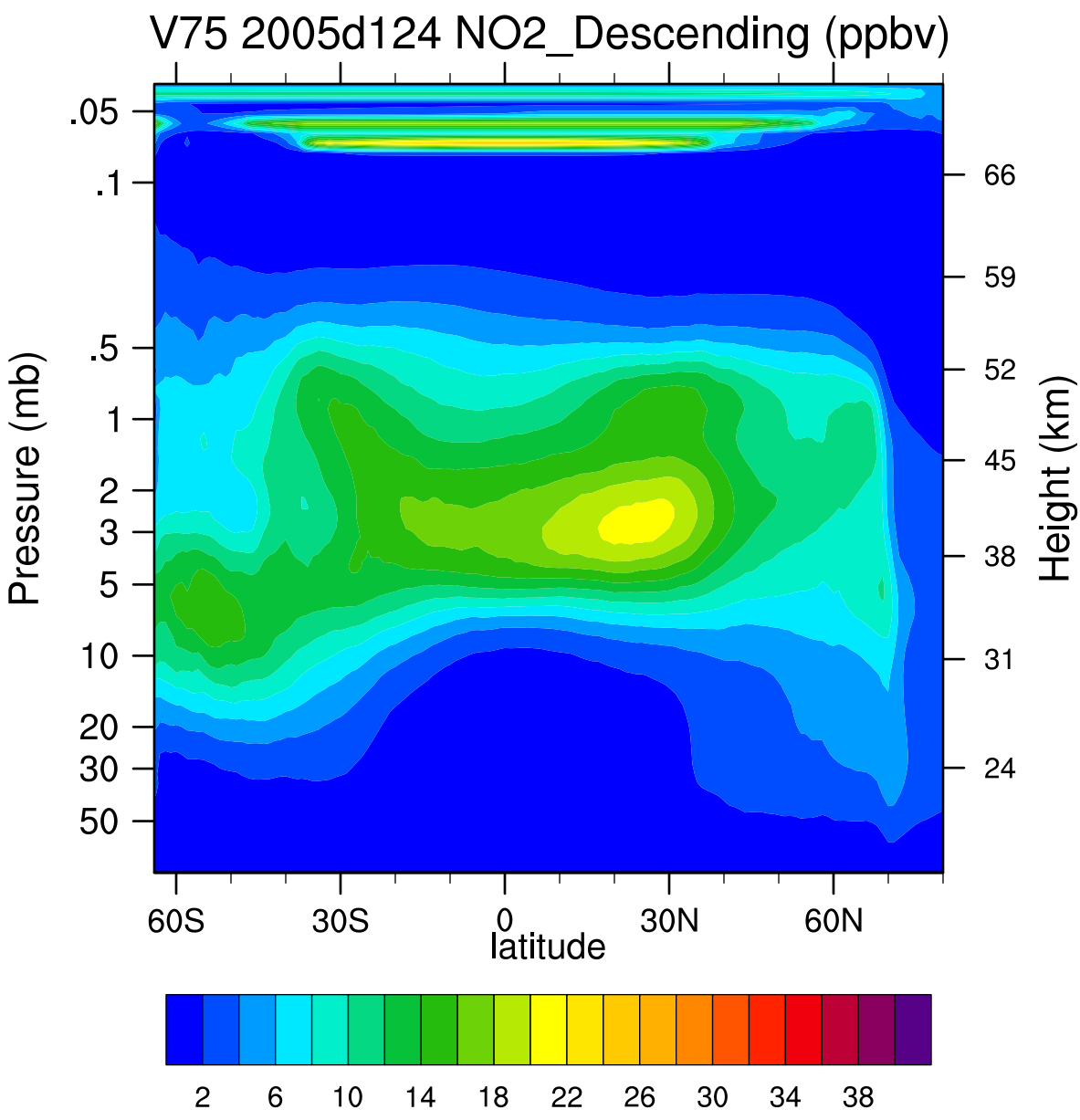
V75 2005d124 NO2_Descending (ppbv)
Pressure (mb)
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.5
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2
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5
10
20
30
50
Height (km)
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59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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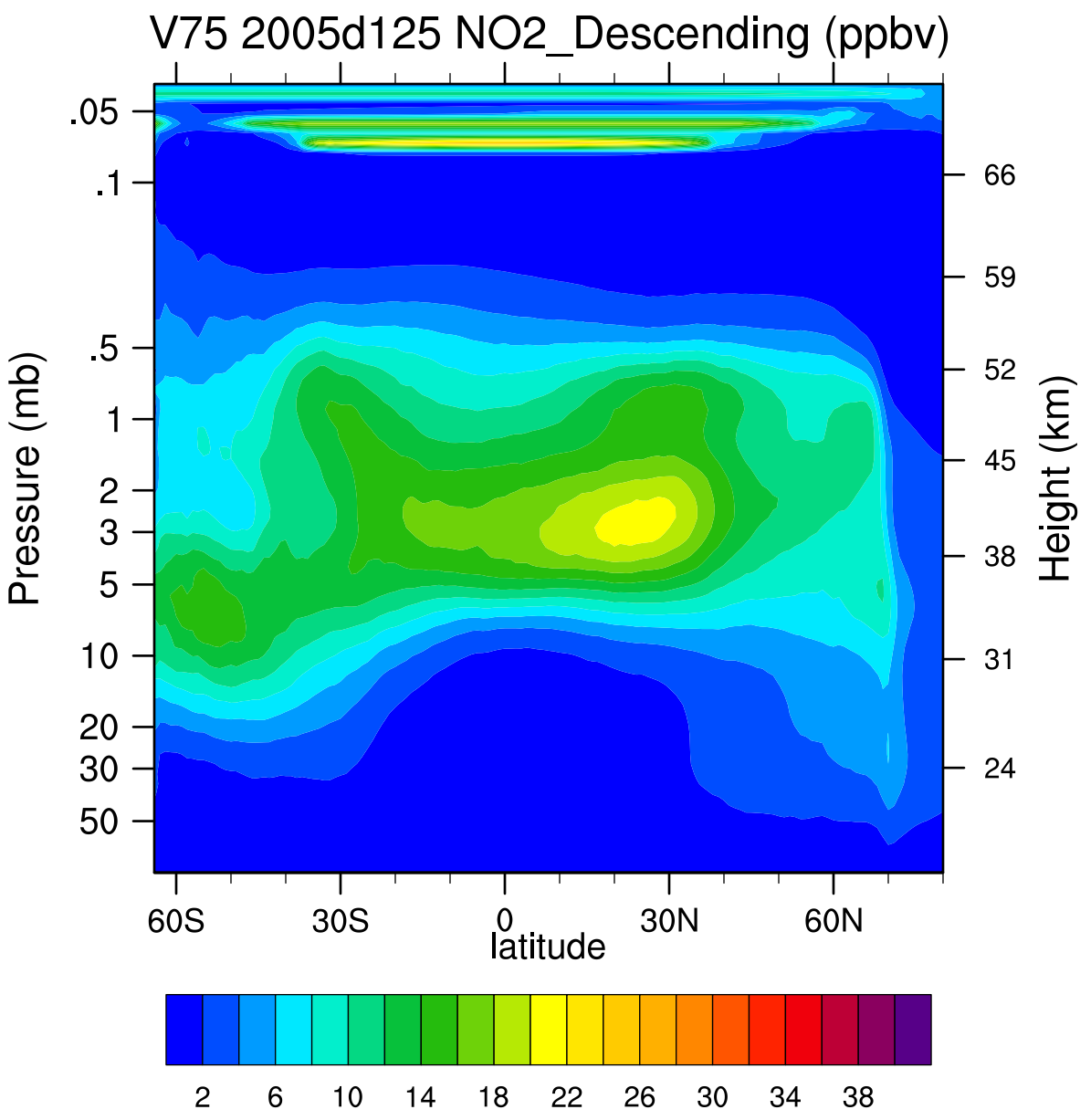
V75 2005d125 NO2_Descending (ppbv)
Pressure (mb)
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.5
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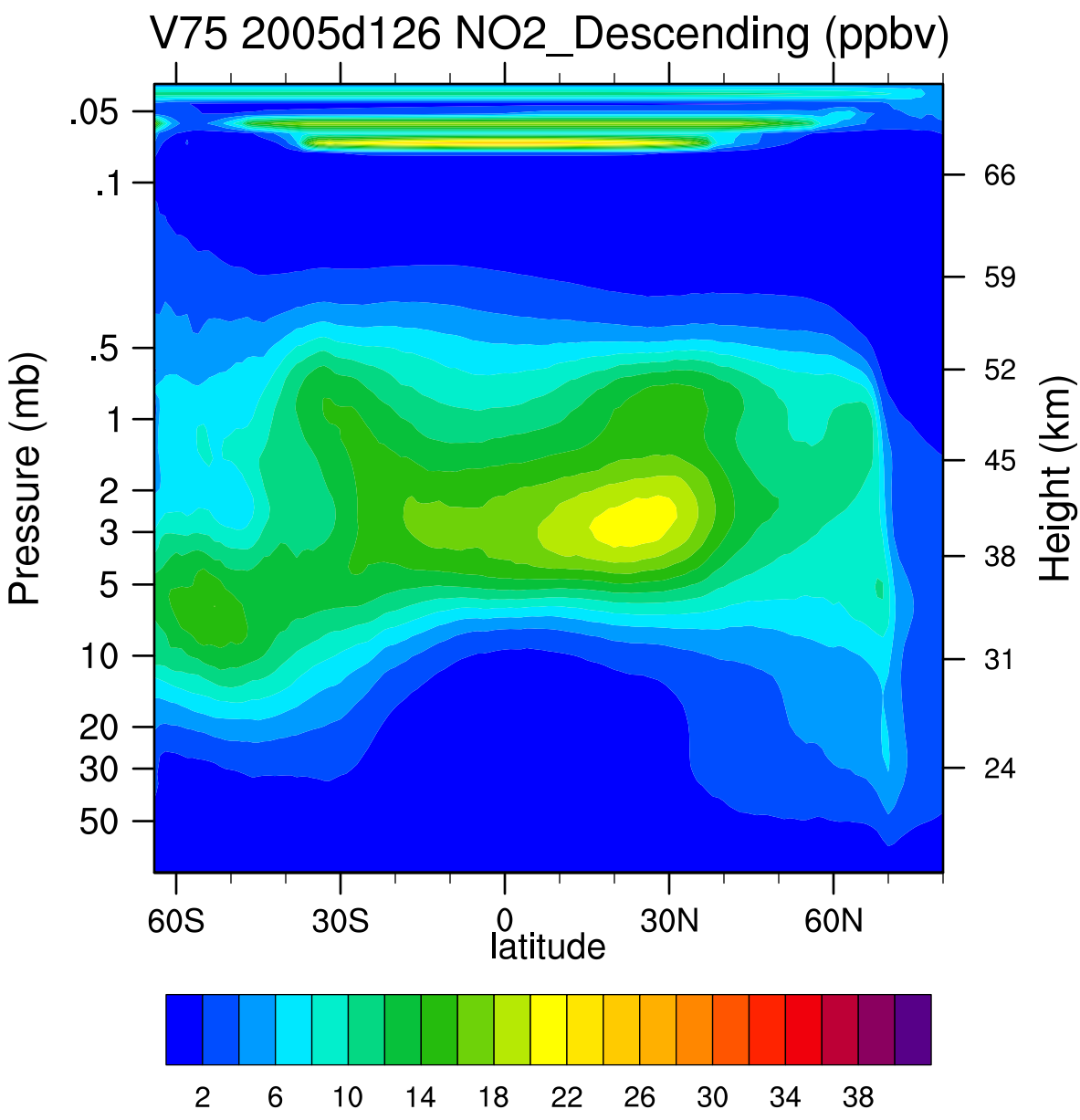
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d126 NO2_Descending (ppbv)
Pressure (mb)
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.1
.5
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2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
6
10
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18
22
26
30
34
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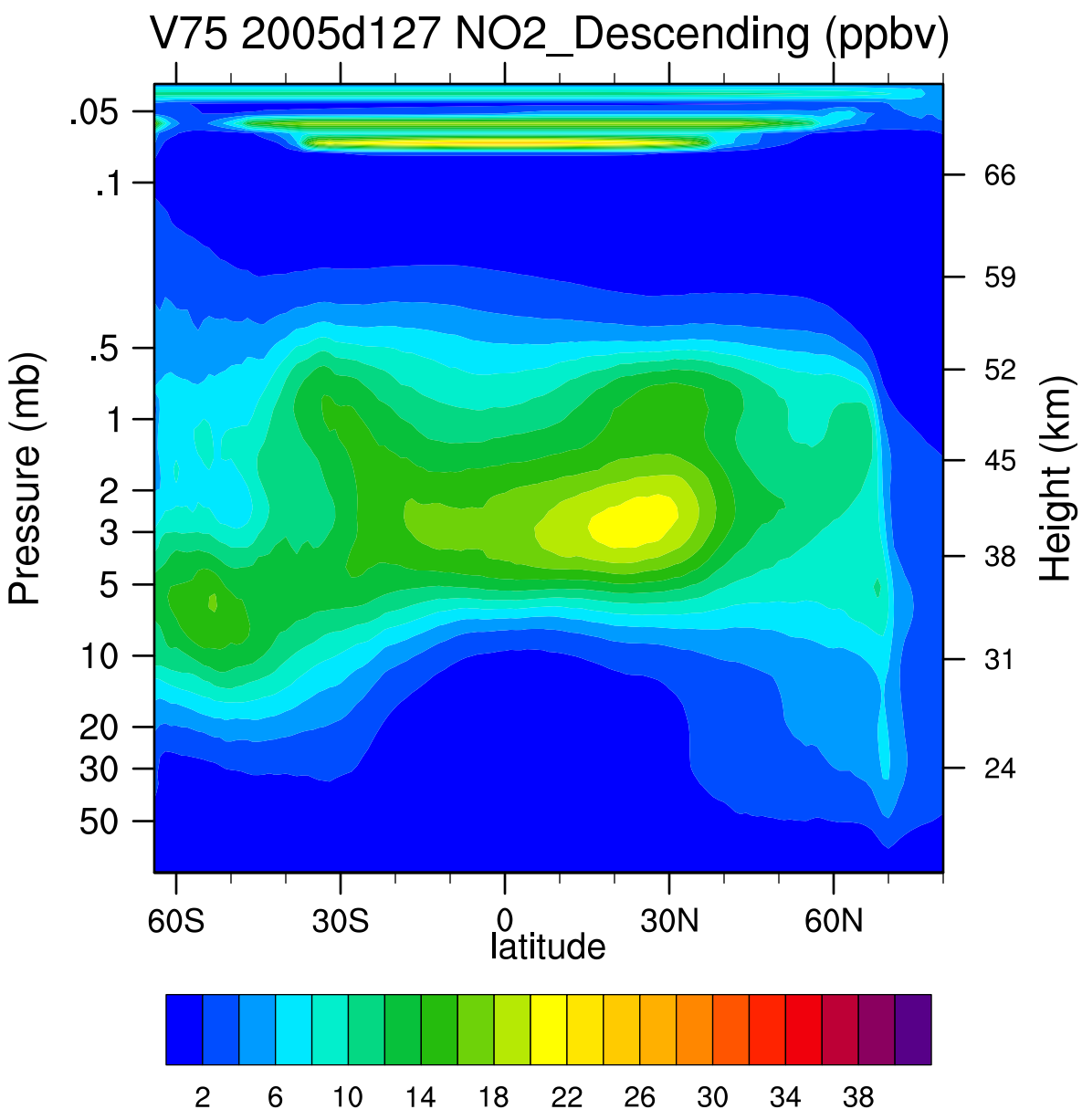
V75 2005d127 NO2_Descending (ppbv)
Pressure (mb)
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.5
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2
3
5
10
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30
50
Height (km)
66
59
52
45
38
31
24
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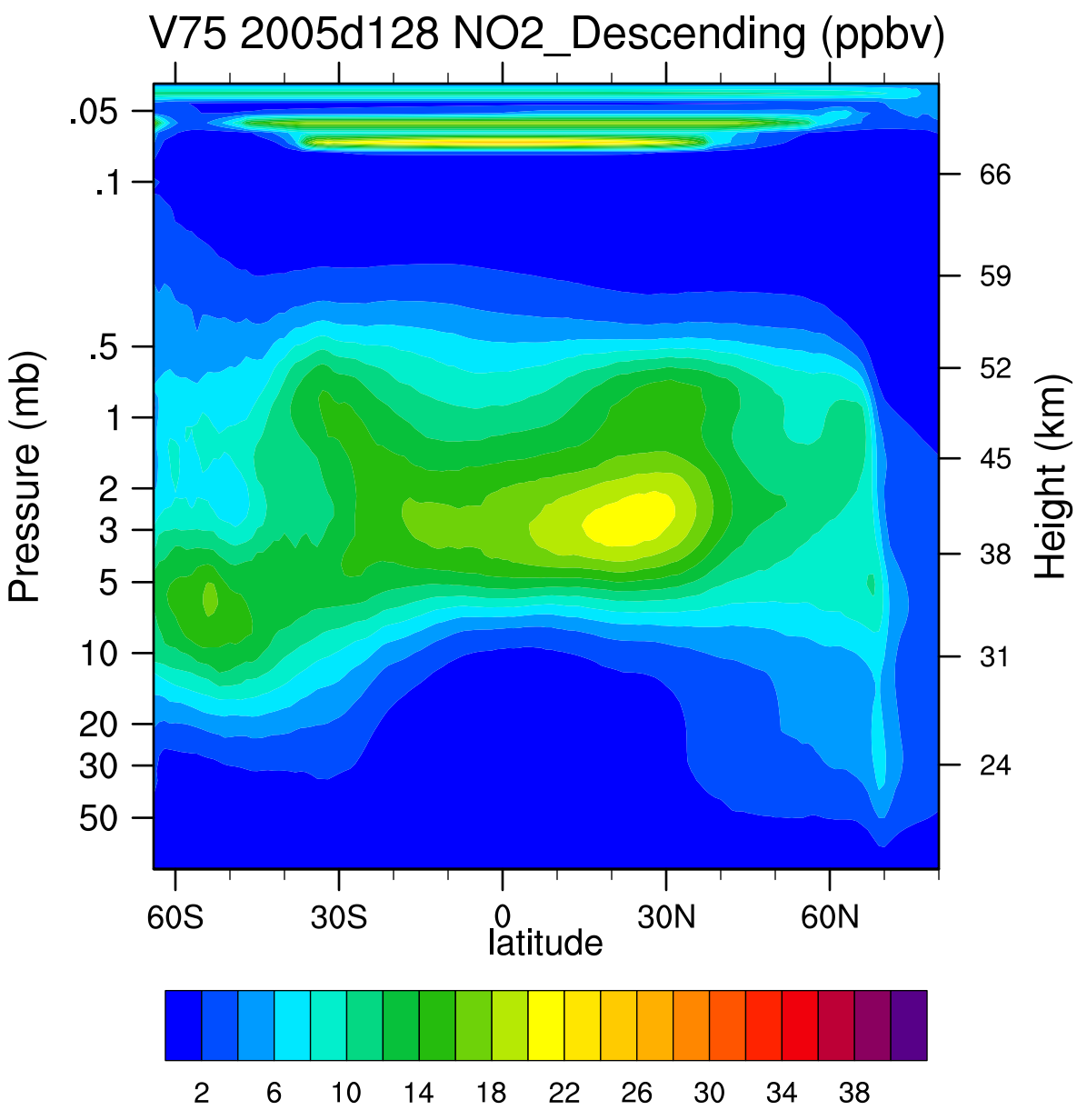
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d128 NO2_Descending (ppbv)
Pressure (mb)
.05
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.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
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34
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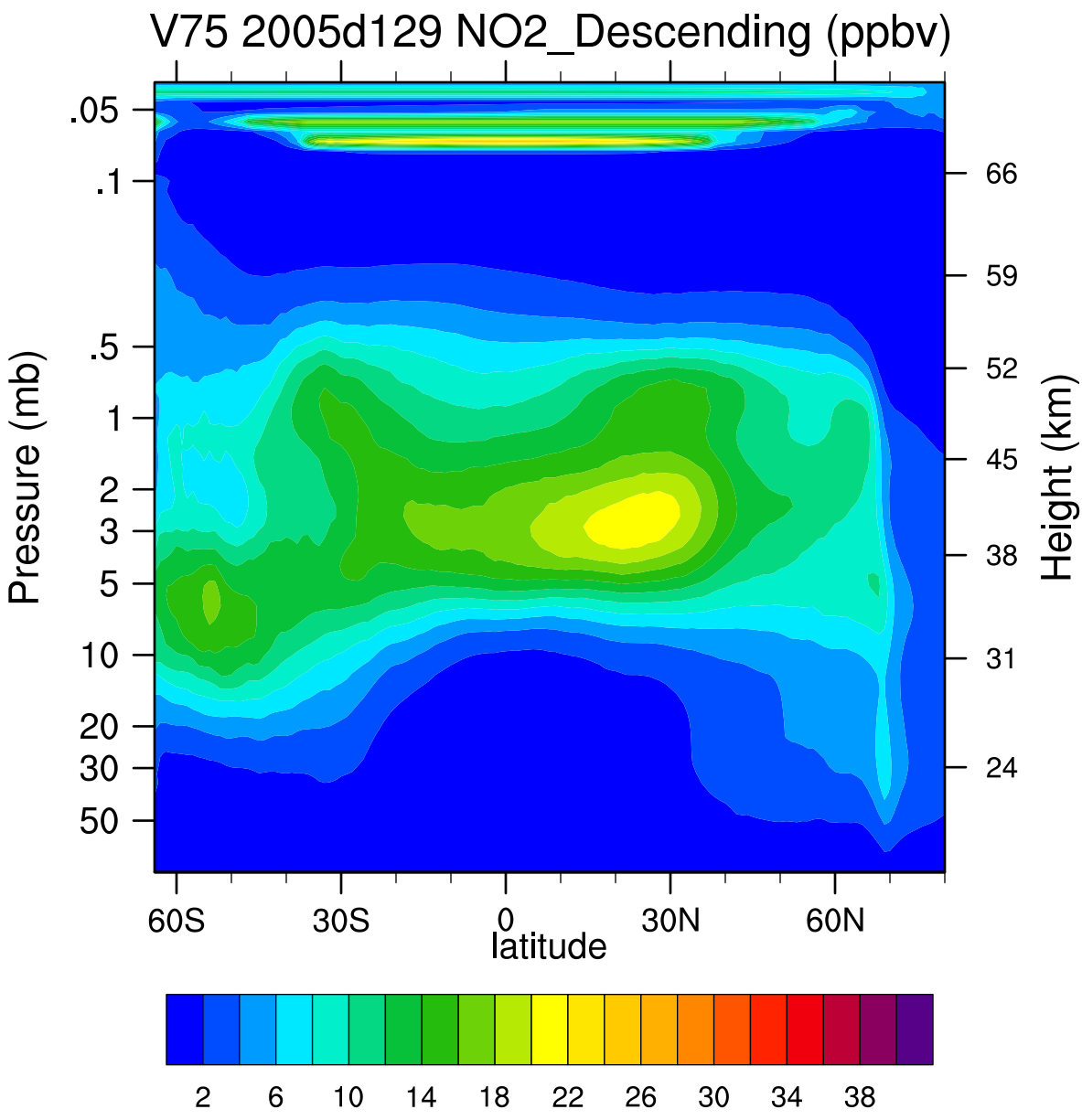
V75 2005d129 NO2_Descending (ppbv)
Pressure (mb)
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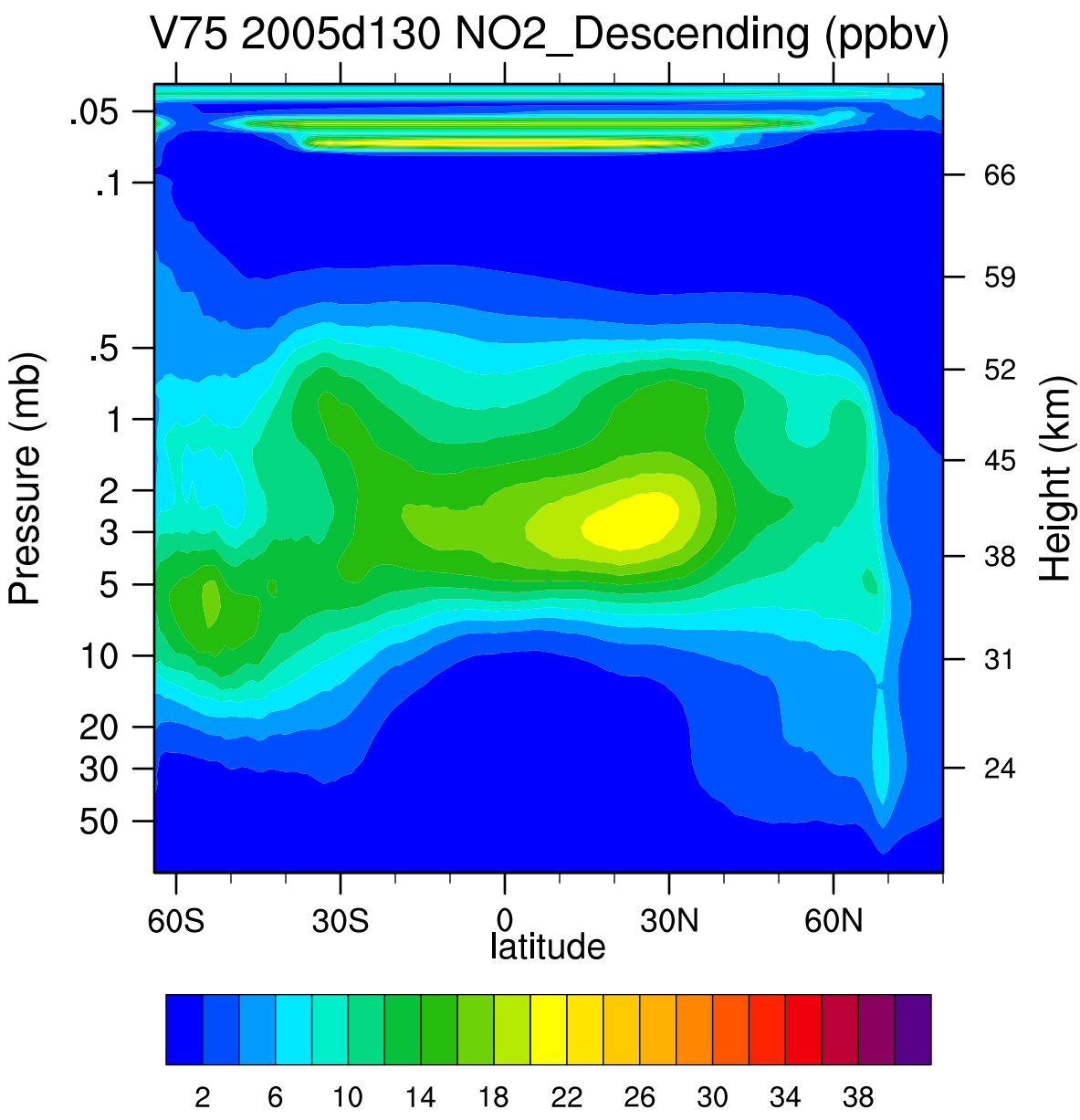
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d130 NO2_Descending (ppbv)
Pressure (mb)
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.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
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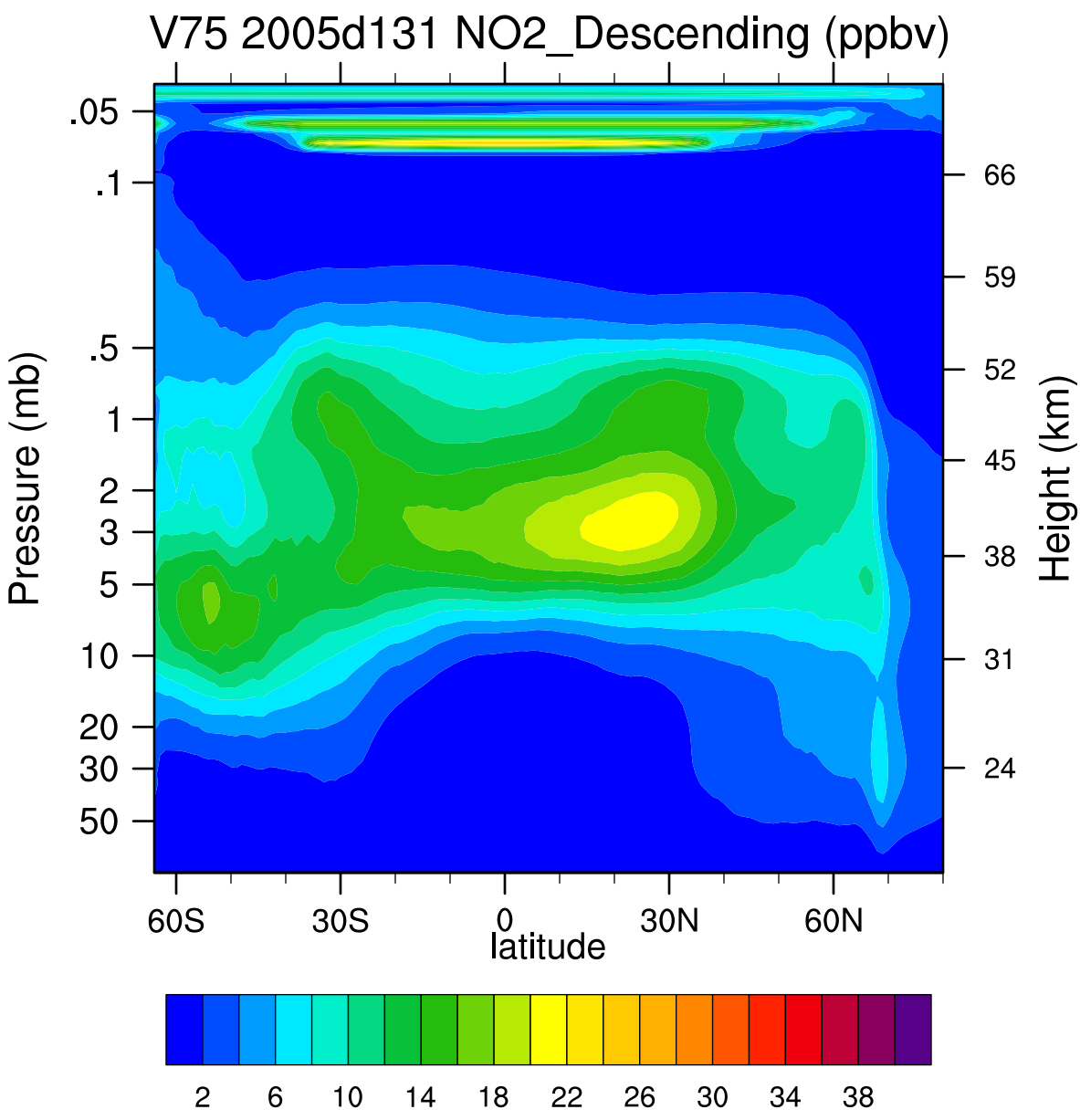
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d131 NO2_Descending (ppbv)
Pressure (mb)
.05
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.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
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34
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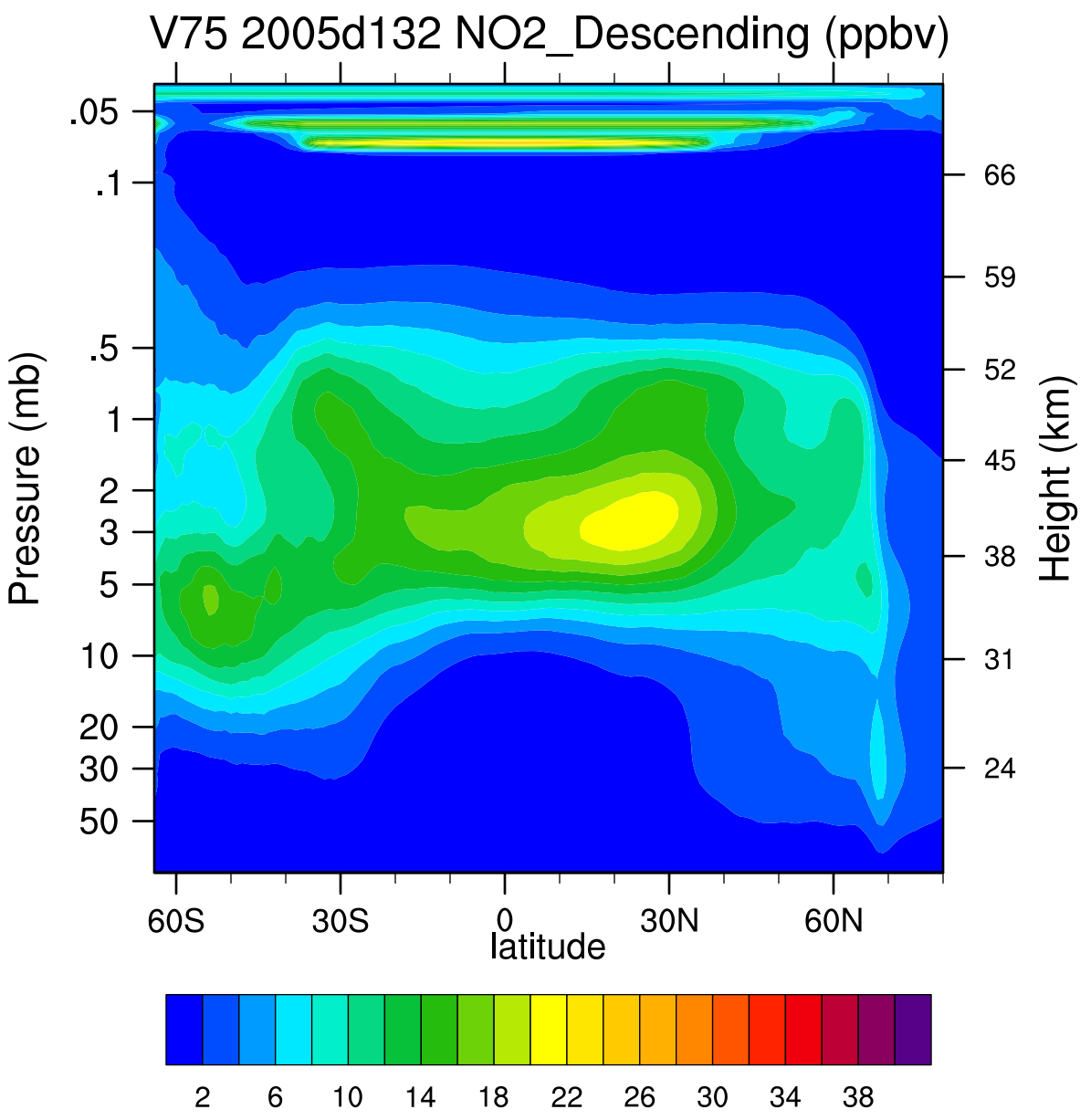
V75 2005d132 NO2_Descending (ppbv)
Pressure (mb)
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.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
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34
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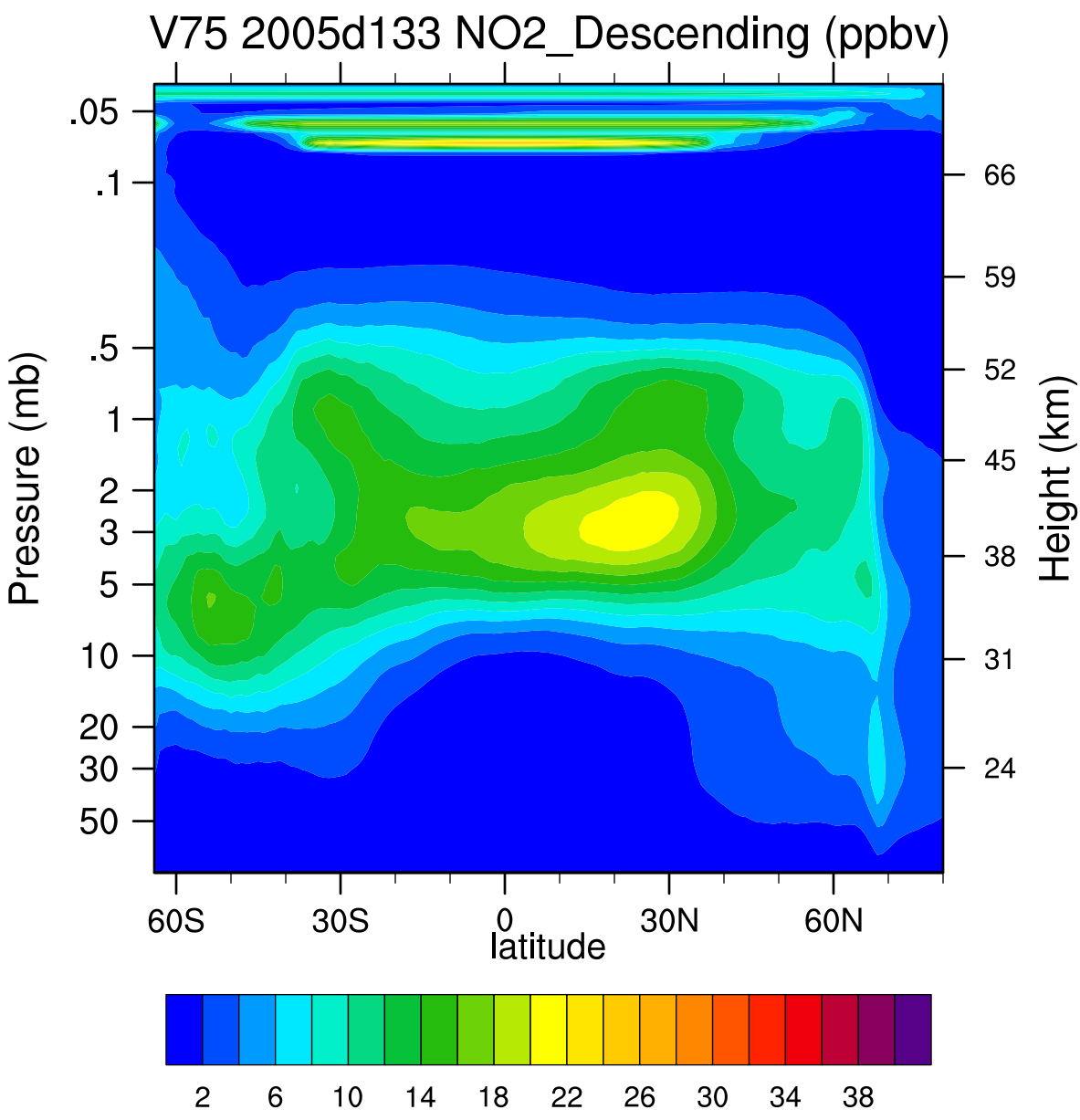
V75 2005d133 NO2_Descending (ppbv)
Pressure (mb)
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.5
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2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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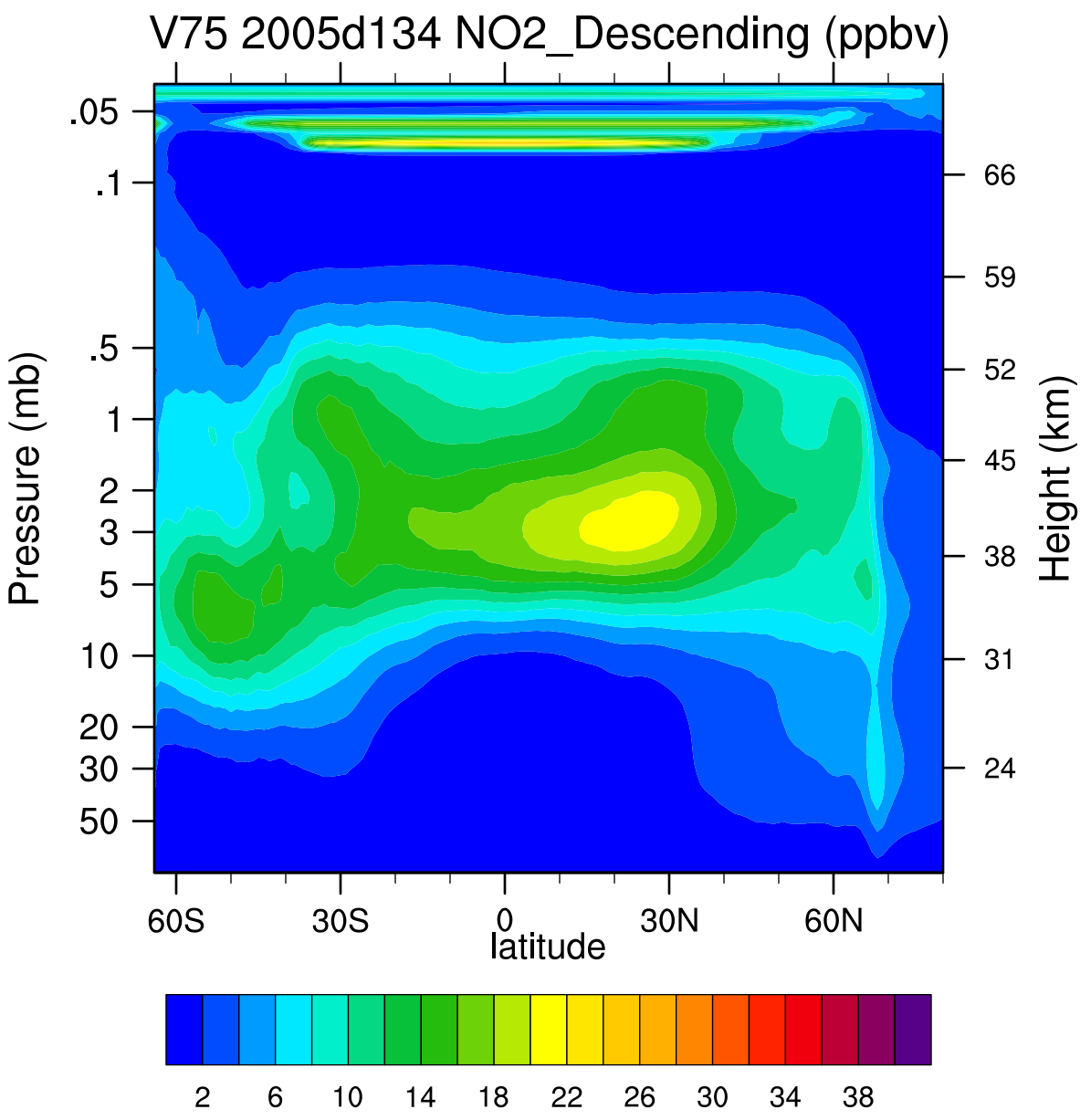
V75 2005d134 NO2_Descending (ppbv)
Pressure (mb)
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.5
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2
3
5
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20
30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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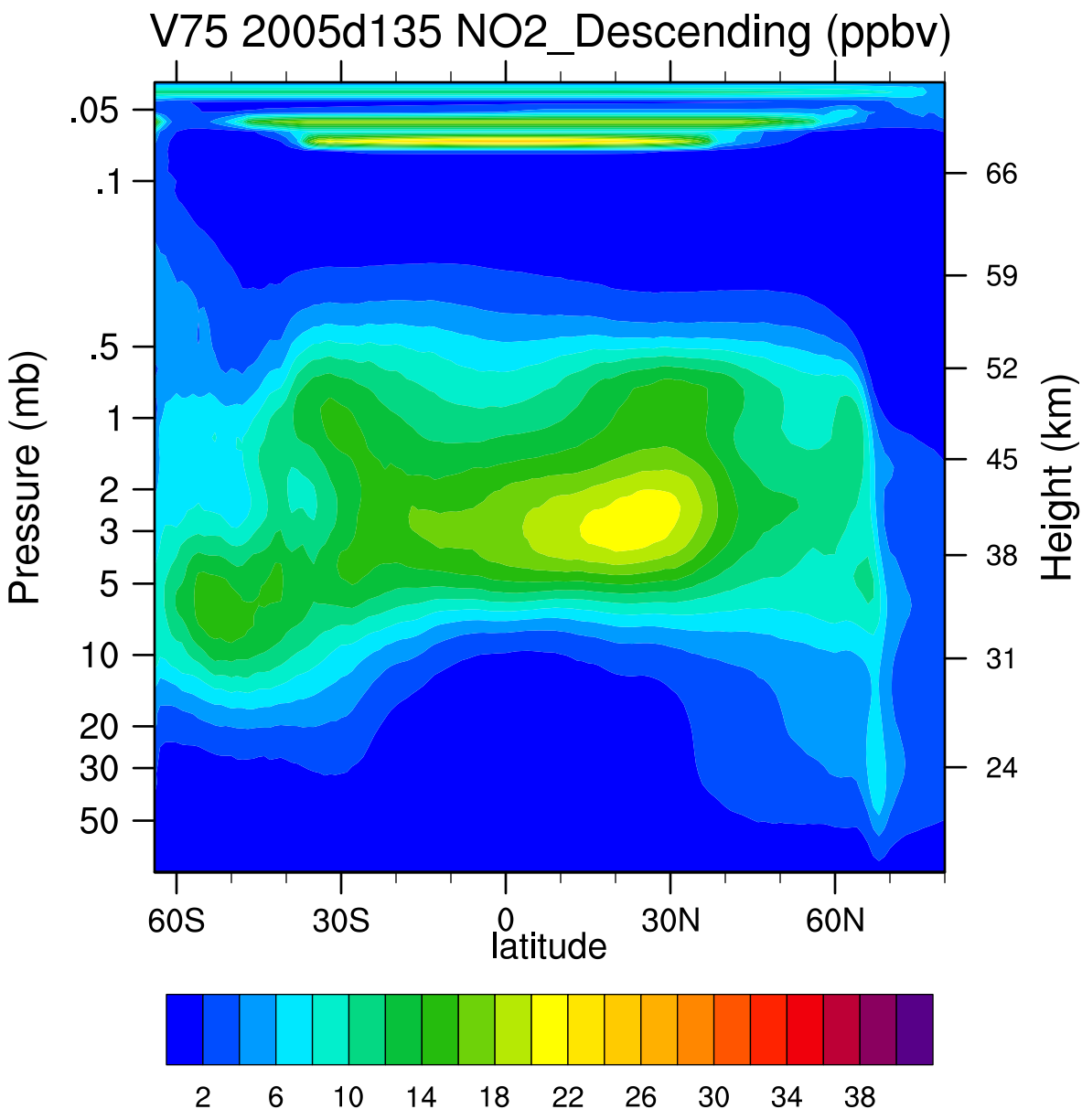
V75 2005d135 NO2_Descending (ppbv)
Pressure (mb)
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2
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5
10
20
30
50
Height (km)
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59
52
45
38
31
24
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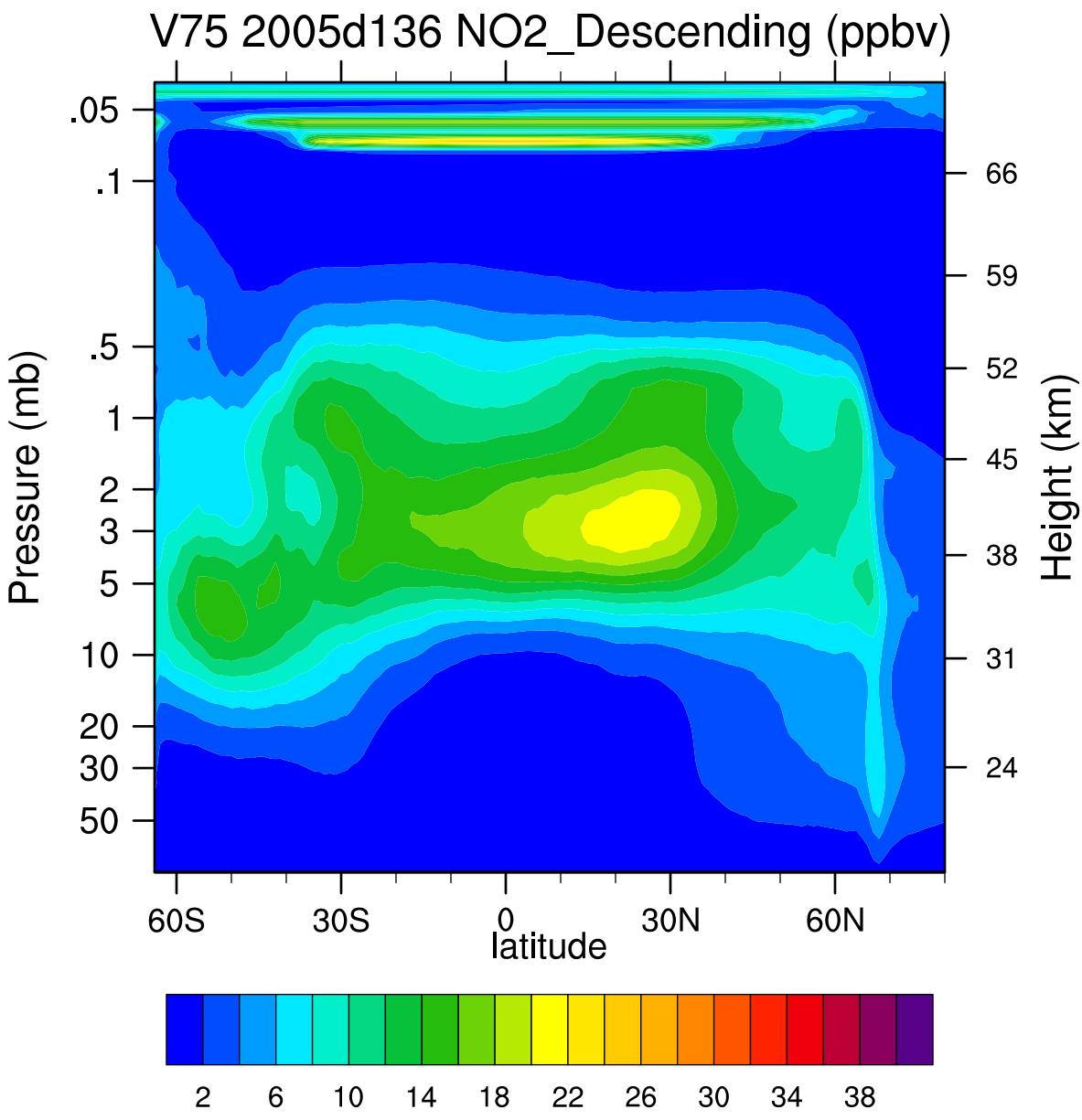
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d136 NO2_Descending (ppbv)
Pressure (mb)
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2
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5
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20
30
50
Height (km)
66
59
52
45
38
31
24
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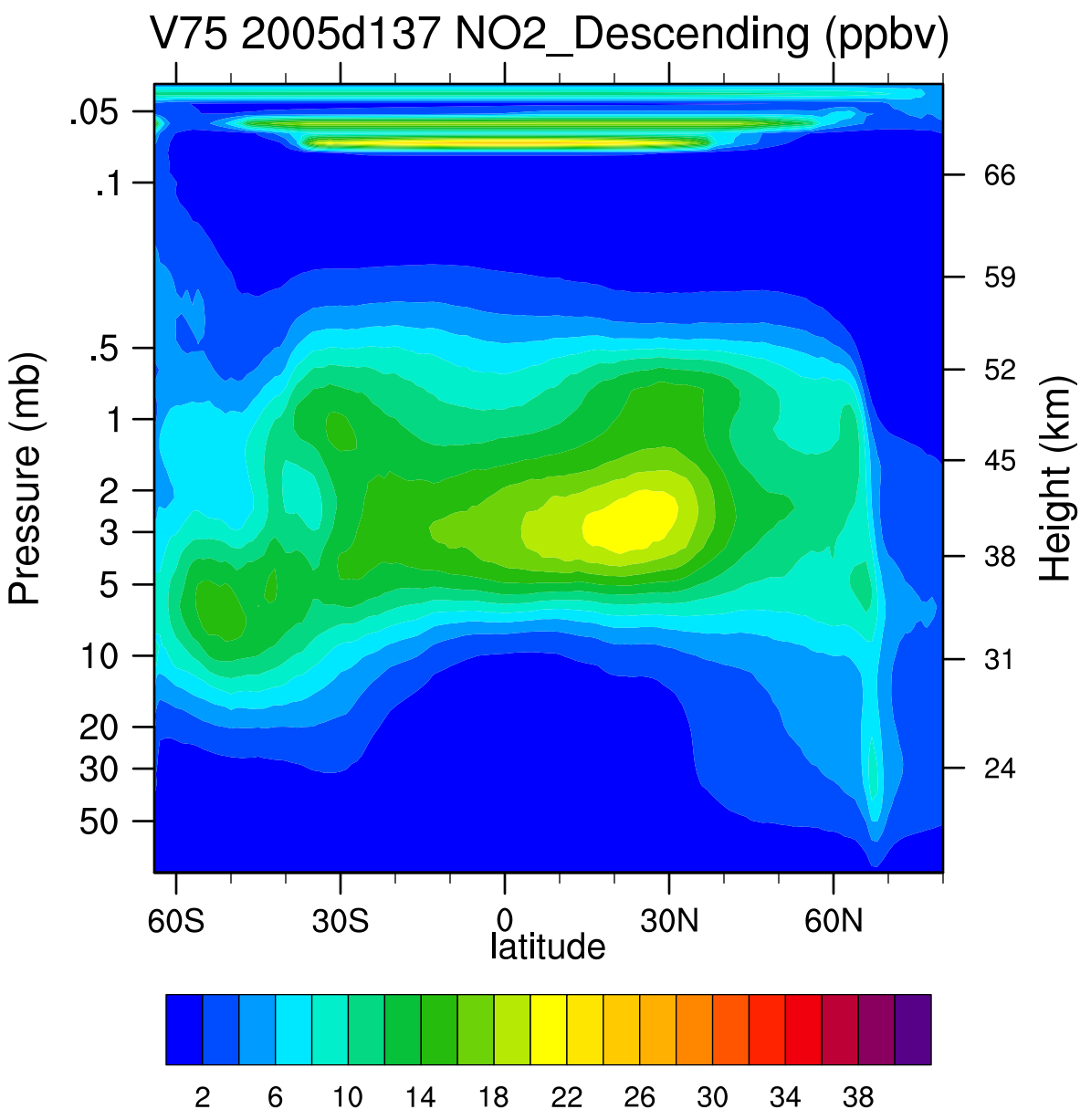
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d137 NO2_Descending (ppbv)
Pressure (mb)
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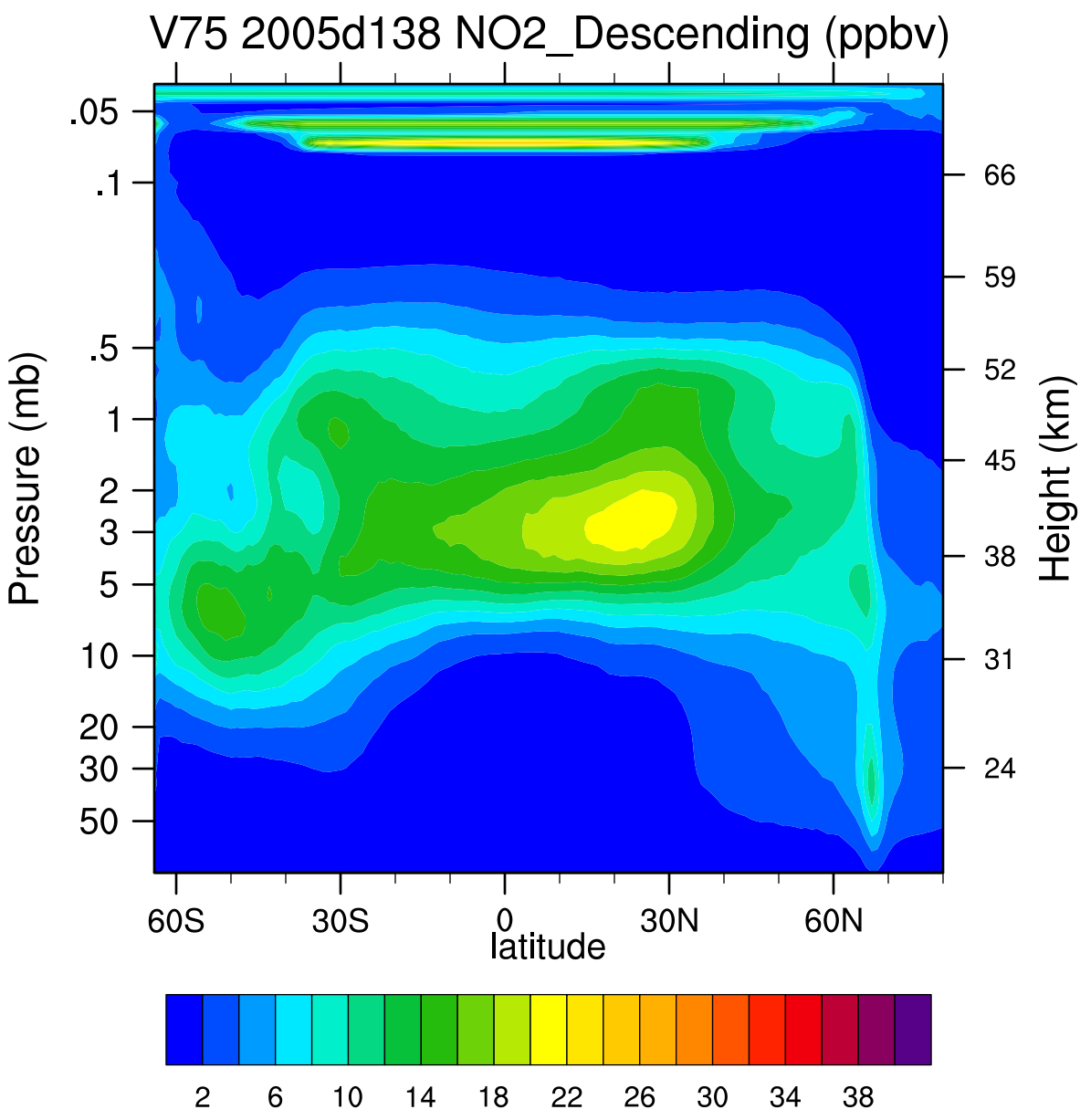
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d138 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
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Height (km)
66
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52
45
38
31
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30S
0
30N
60N
latitude
2
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10
14
18
22
26
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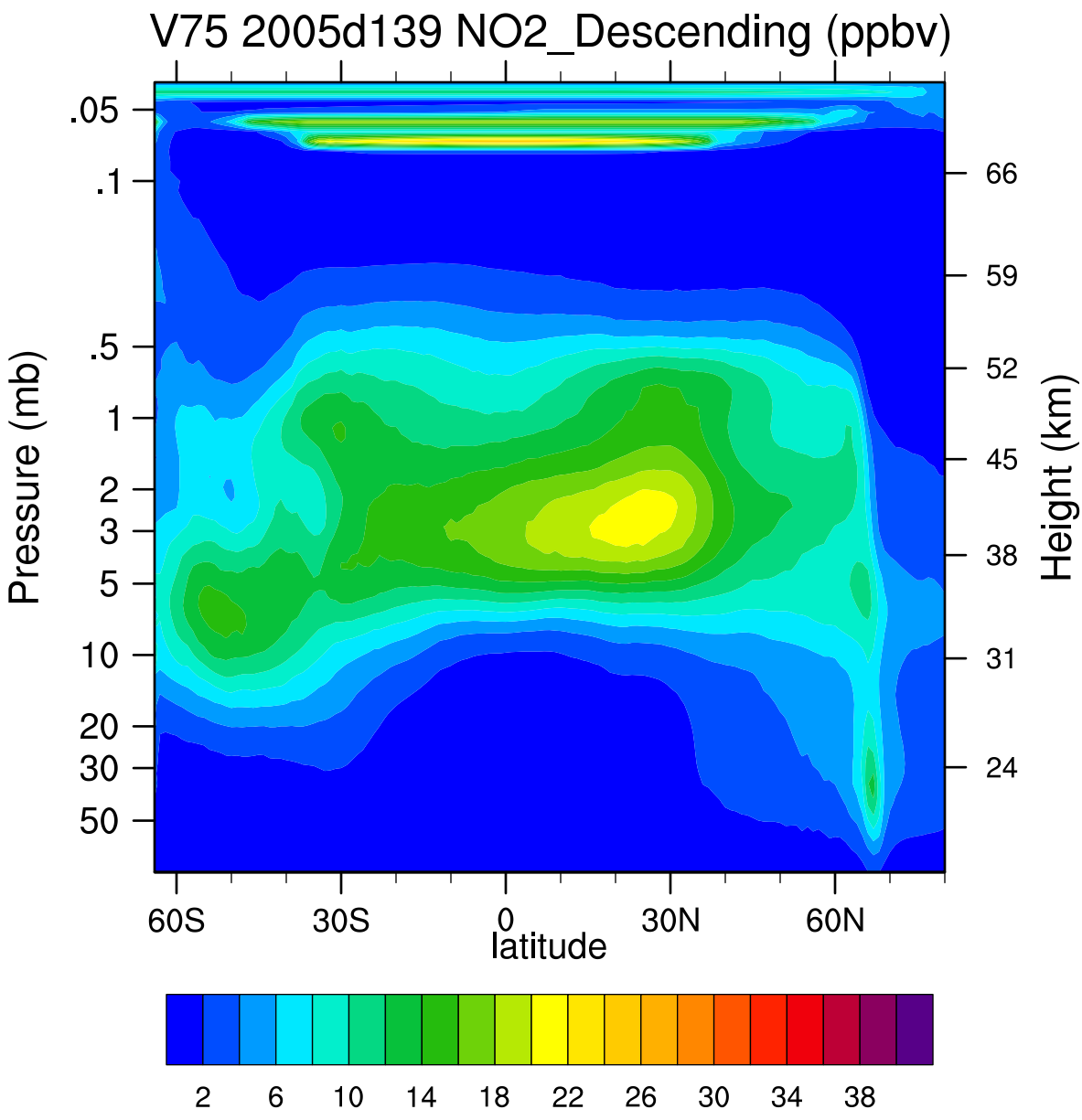
V75 2005d139 NO2_Descending (ppbv)
Pressure (mb)
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2
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5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
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10
14
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26
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34
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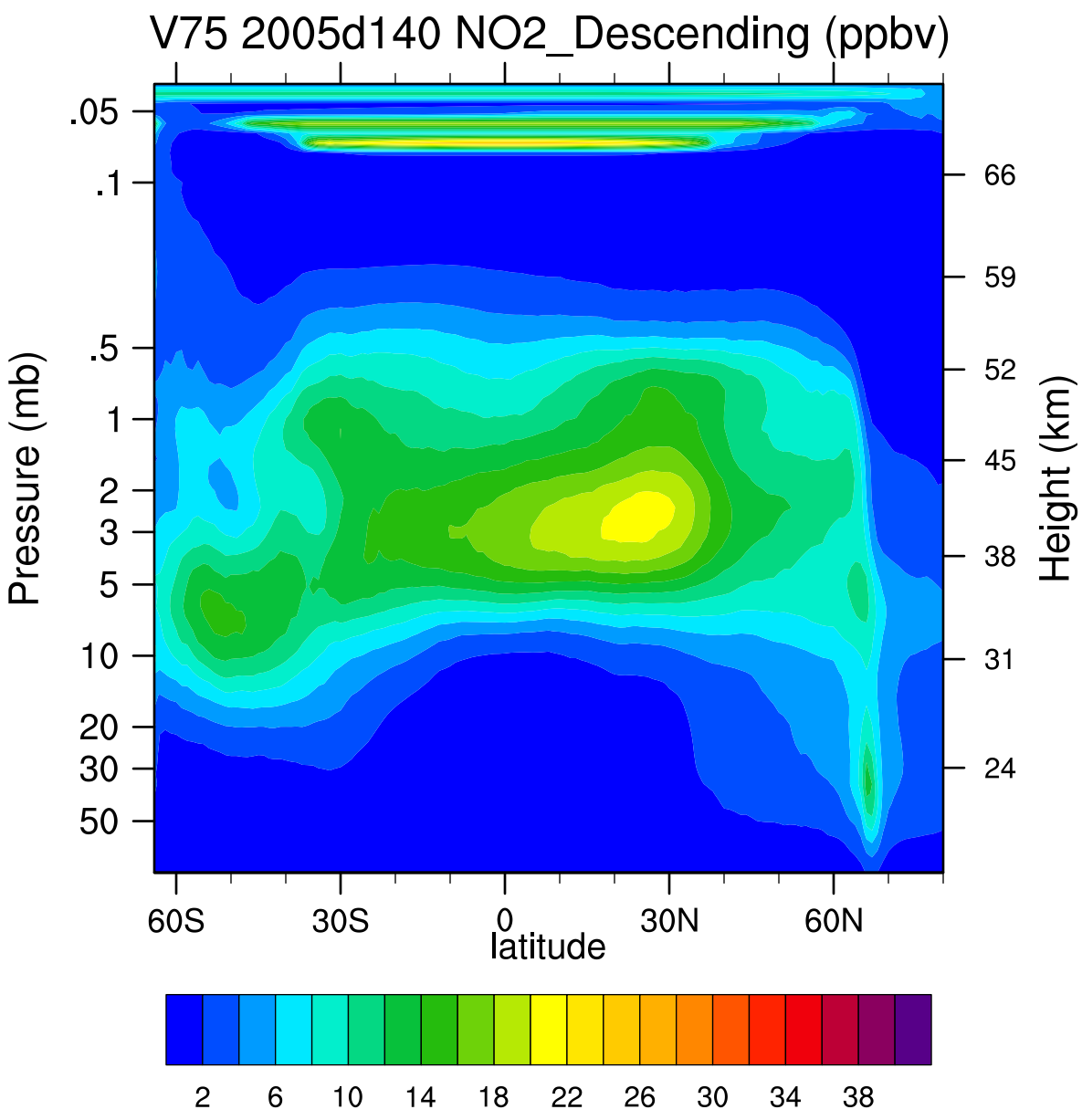
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Pressure (mb)
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5
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20
30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
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26
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34
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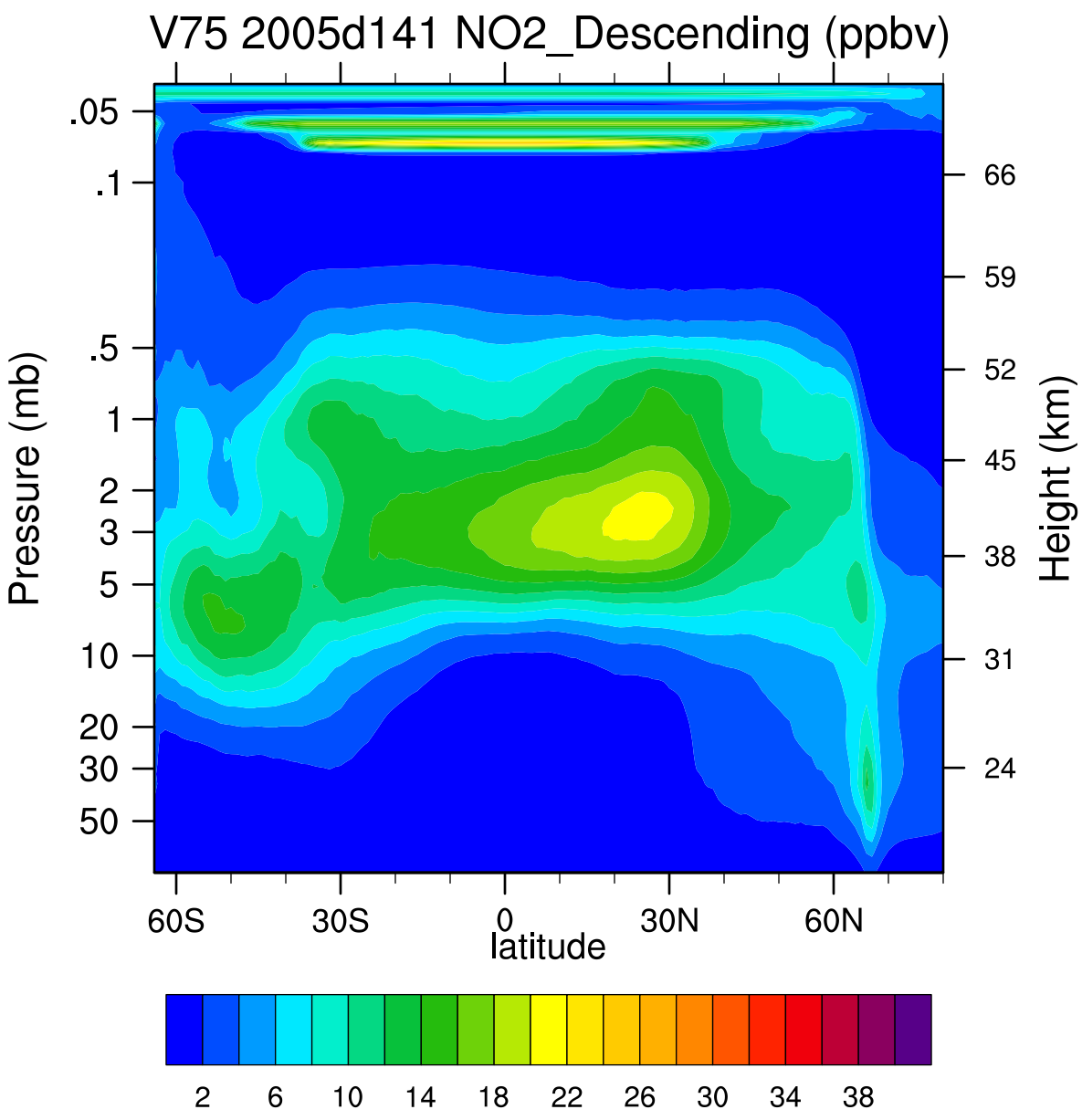
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Pressure (mb)
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5
10
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30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
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14
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26
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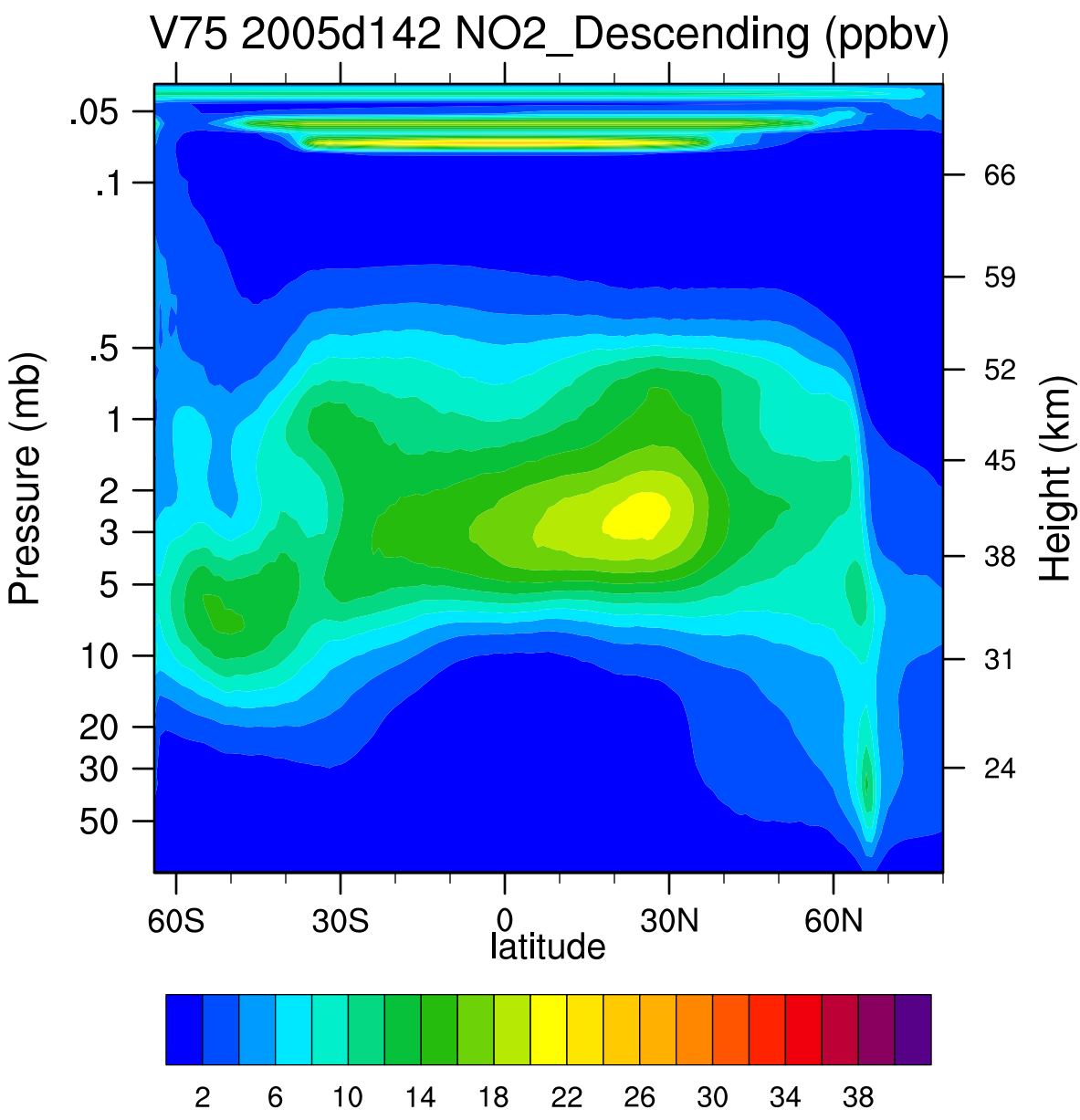
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Pressure (mb)
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5
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Height (km)
66
59
52
45
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30S
0
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60N
latitude
2
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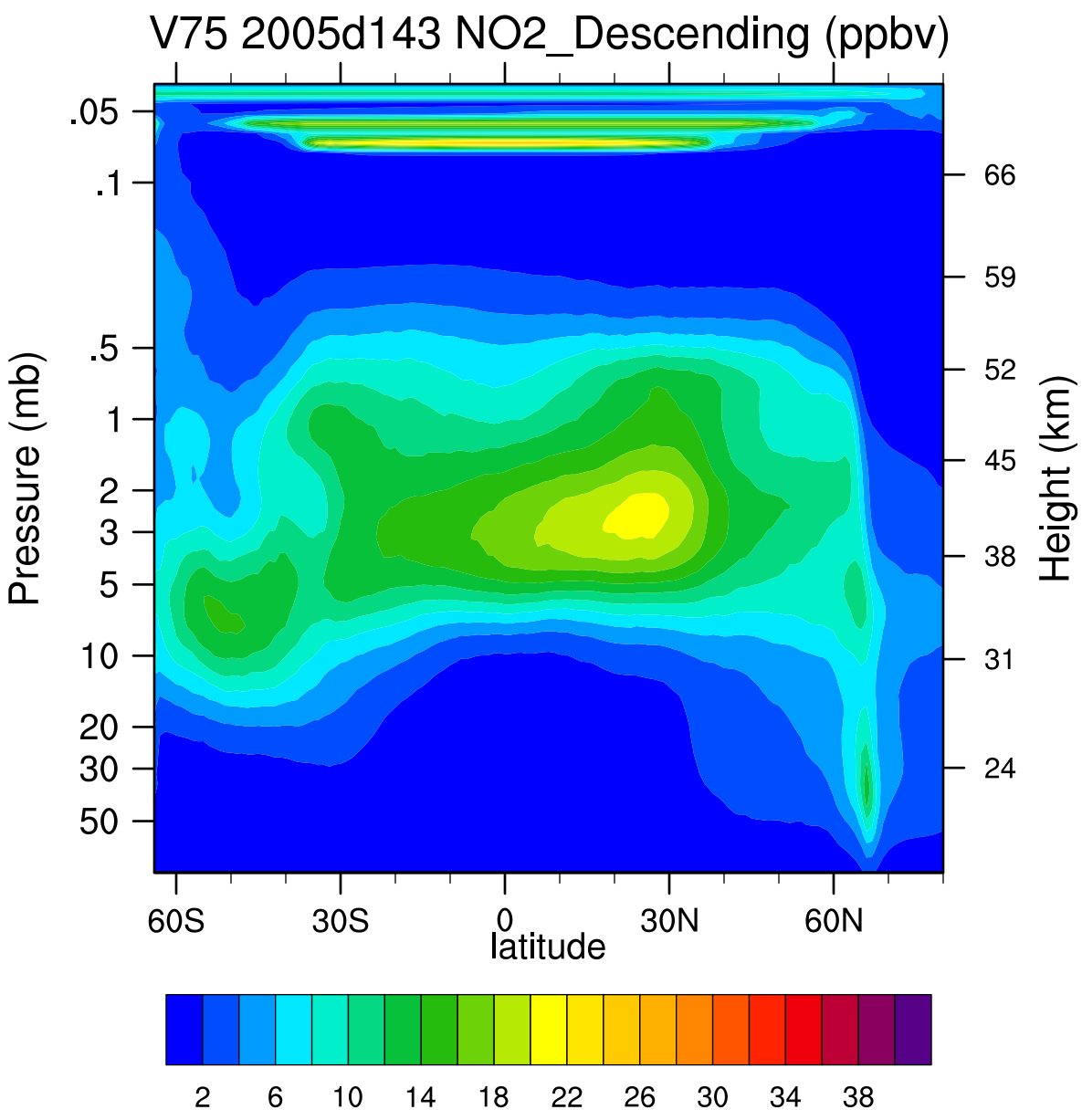
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Pressure (mb)
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5
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Height (km)
66
59
52
45
38
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24
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30S
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60N
latitude
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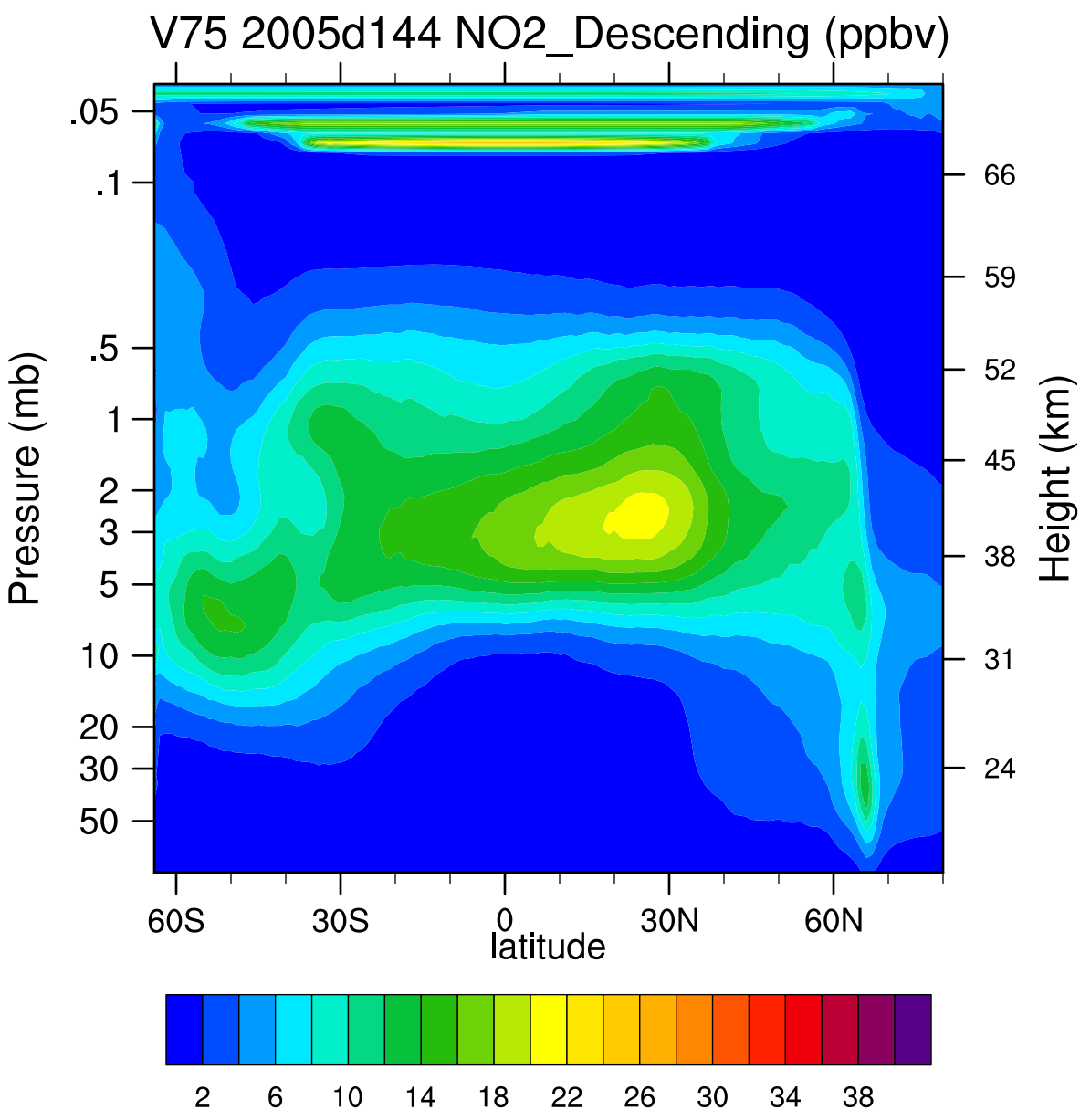
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Pressure (mb)
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Height (km)
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59
52
45
38
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30S
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30N
60N
latitude
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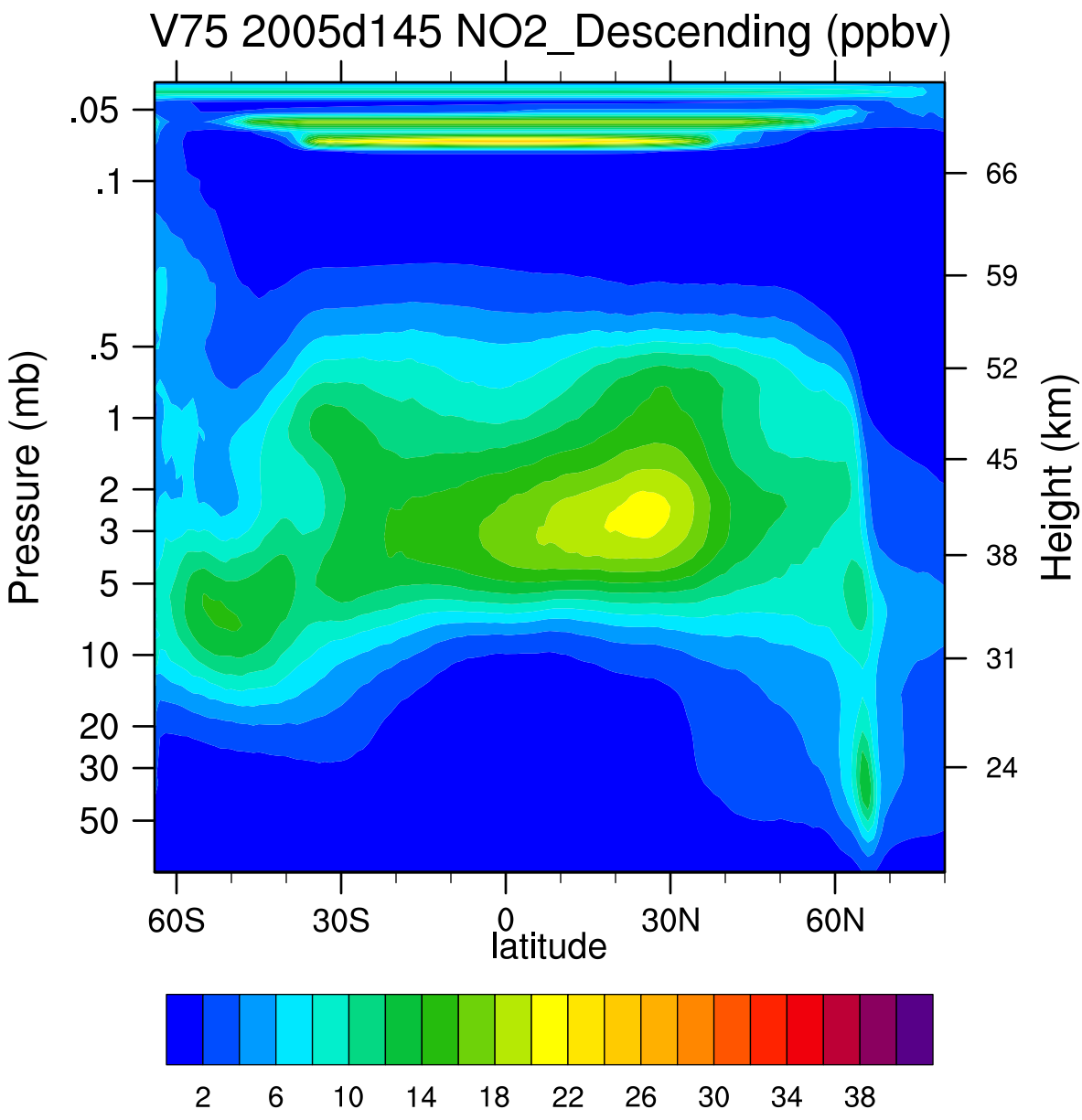
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Pressure (mb)
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Height (km)
66
59
52
45
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31
24
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30S
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30N
60N
latitude
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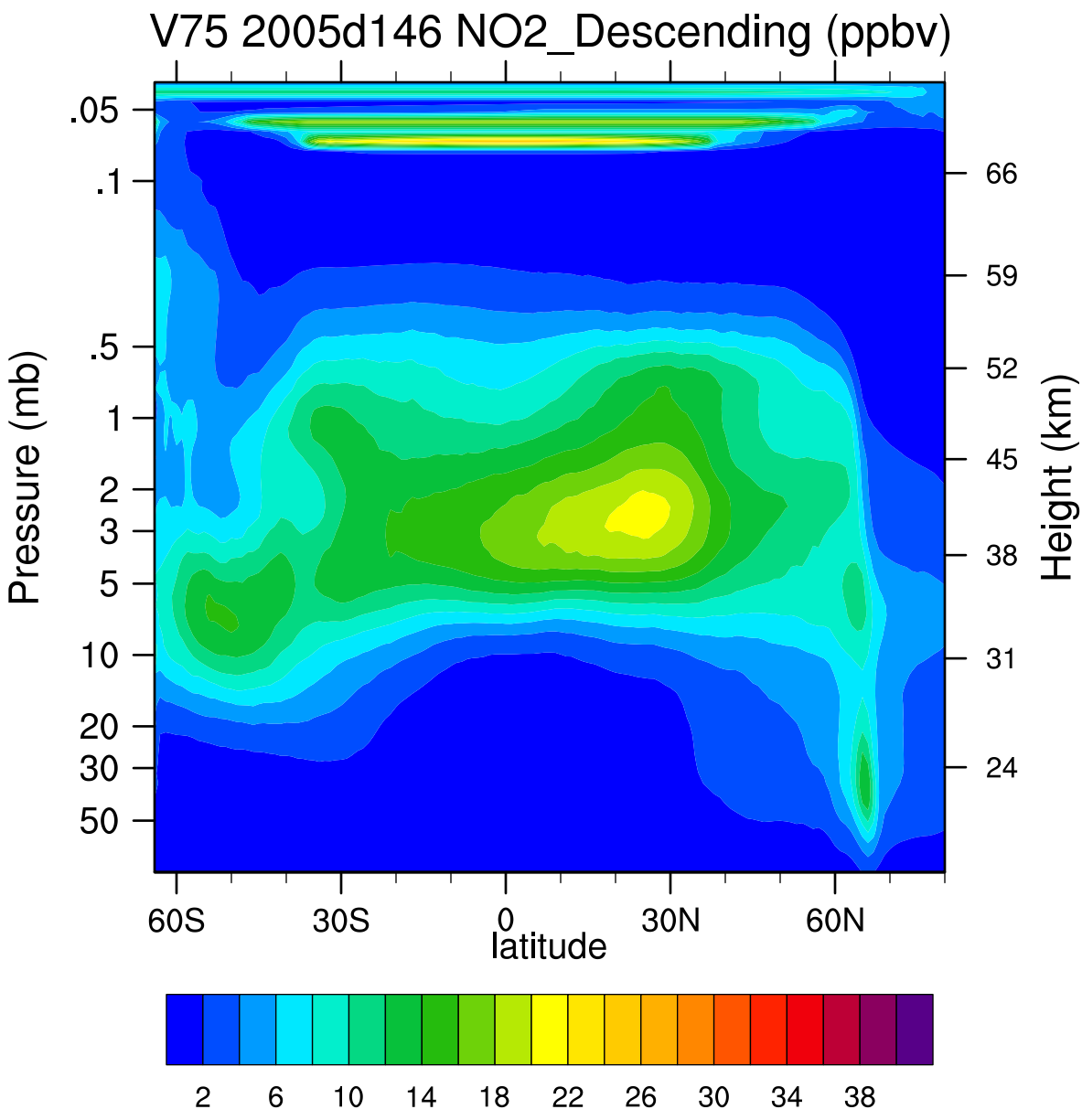
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Pressure (mb)
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Height (km)
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59
52
45
38
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24
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30S
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30N
60N
latitude
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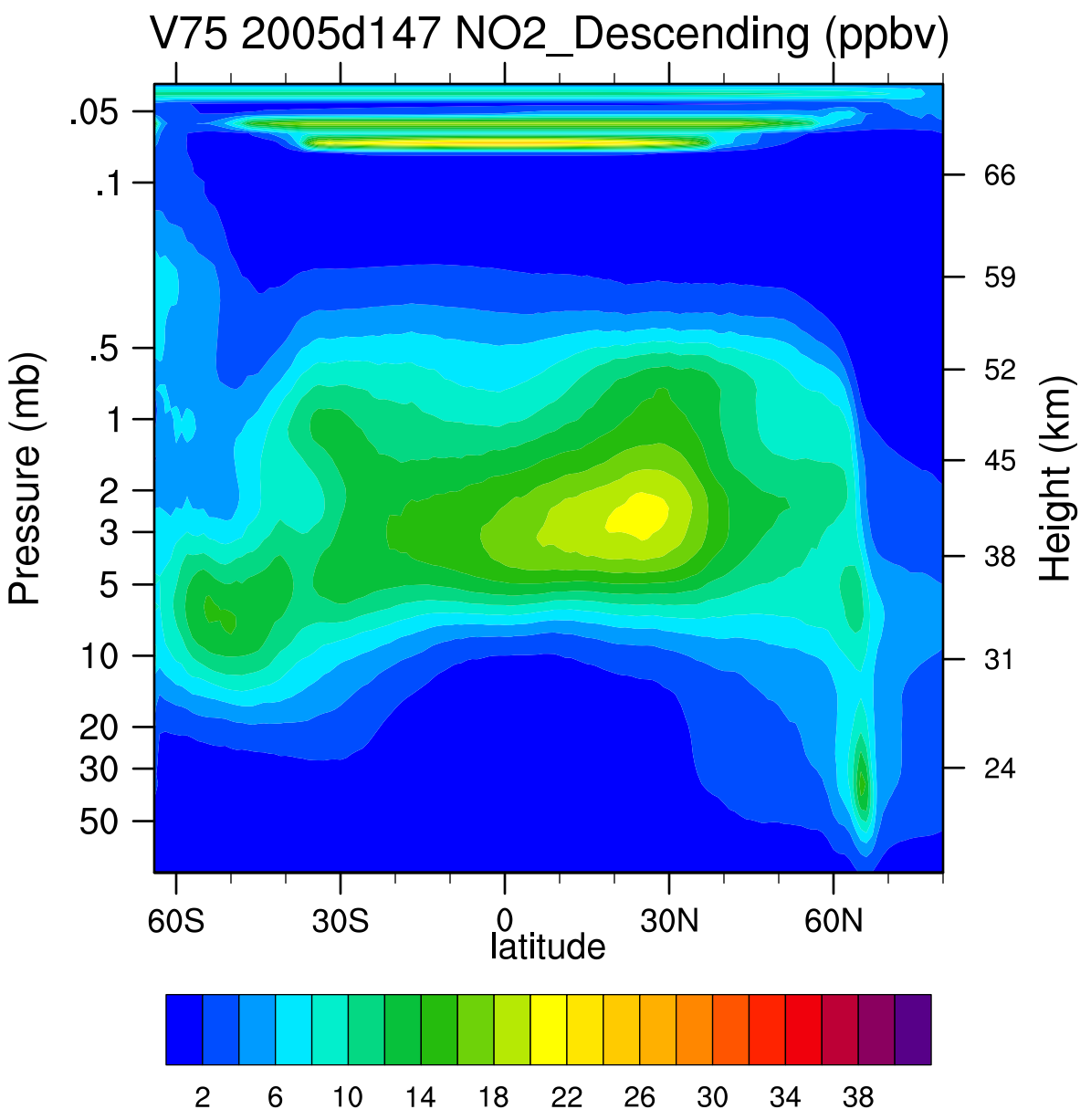
V75 2005d147 NO2_Descending (ppbv)
Pressure (mb)
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3
5
10
20
30
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Height (km)
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59
52
45
38
31
24
60S
30S
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30N
60N
latitude
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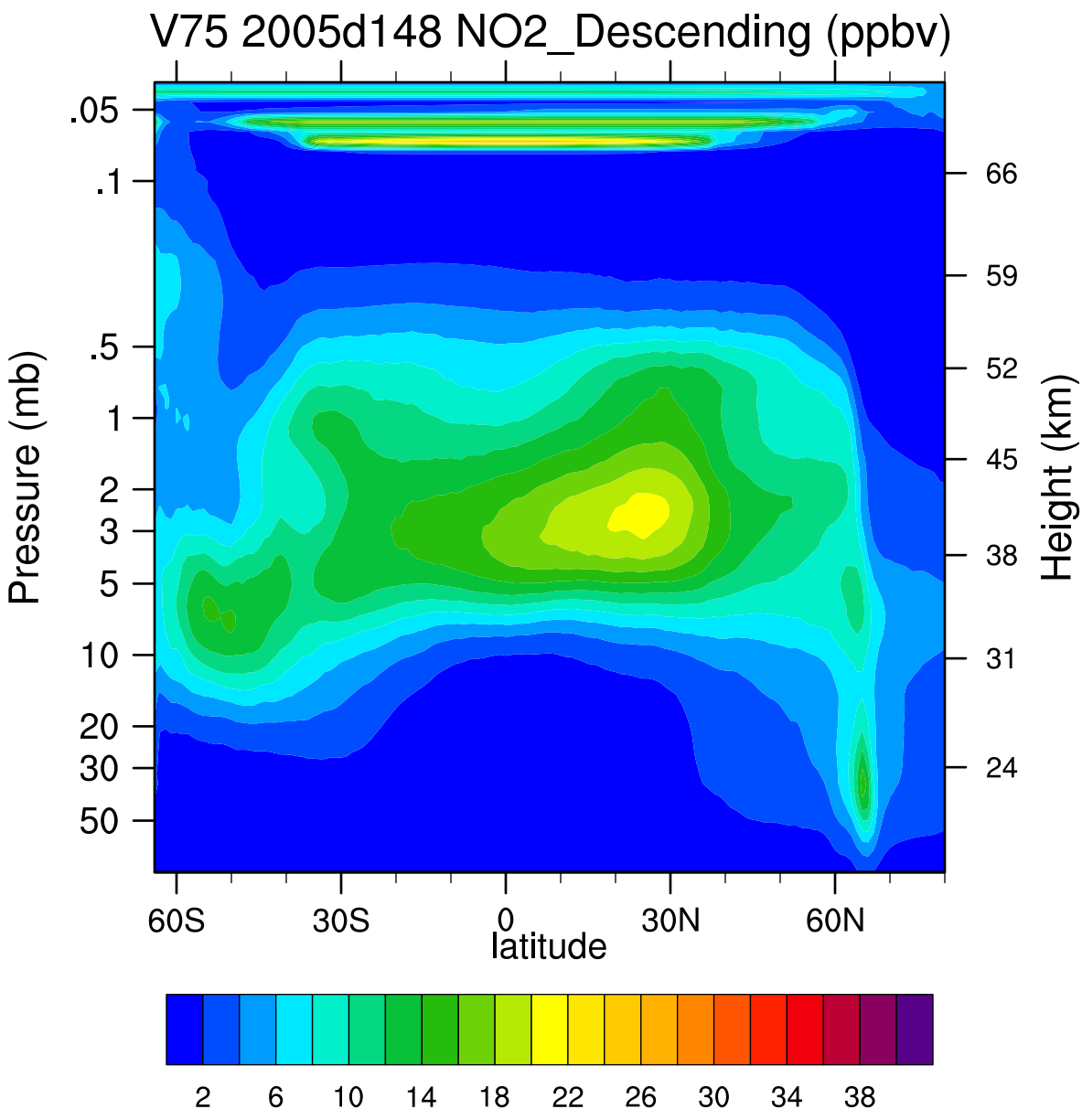
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Pressure (mb)
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Height (km)
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52
45
38
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24
60S
30S
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30N
60N
latitude
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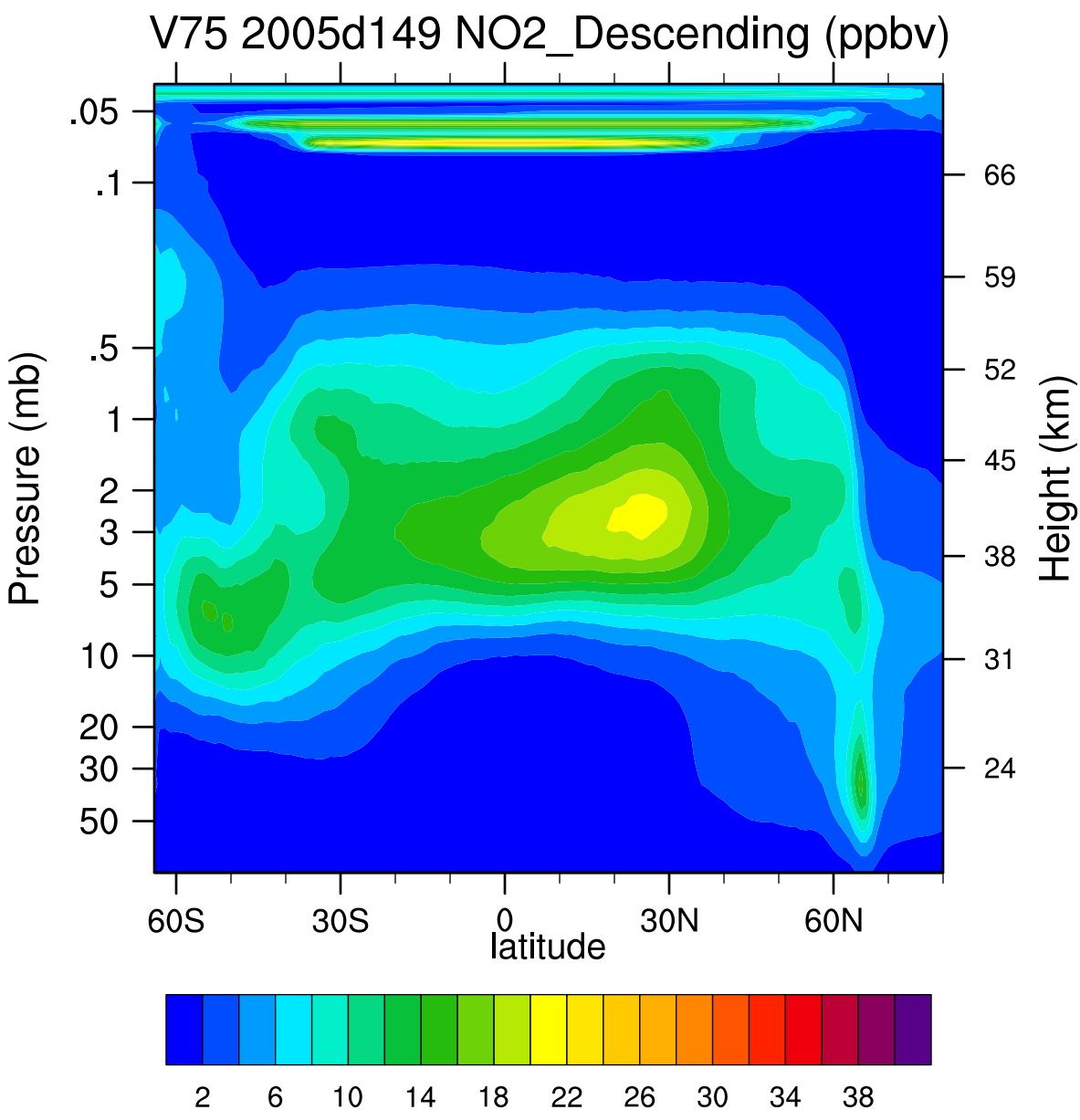
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Pressure (mb)
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3
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10
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30
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Height (km)
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59
52
45
38
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24
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30S
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30N
60N
latitude
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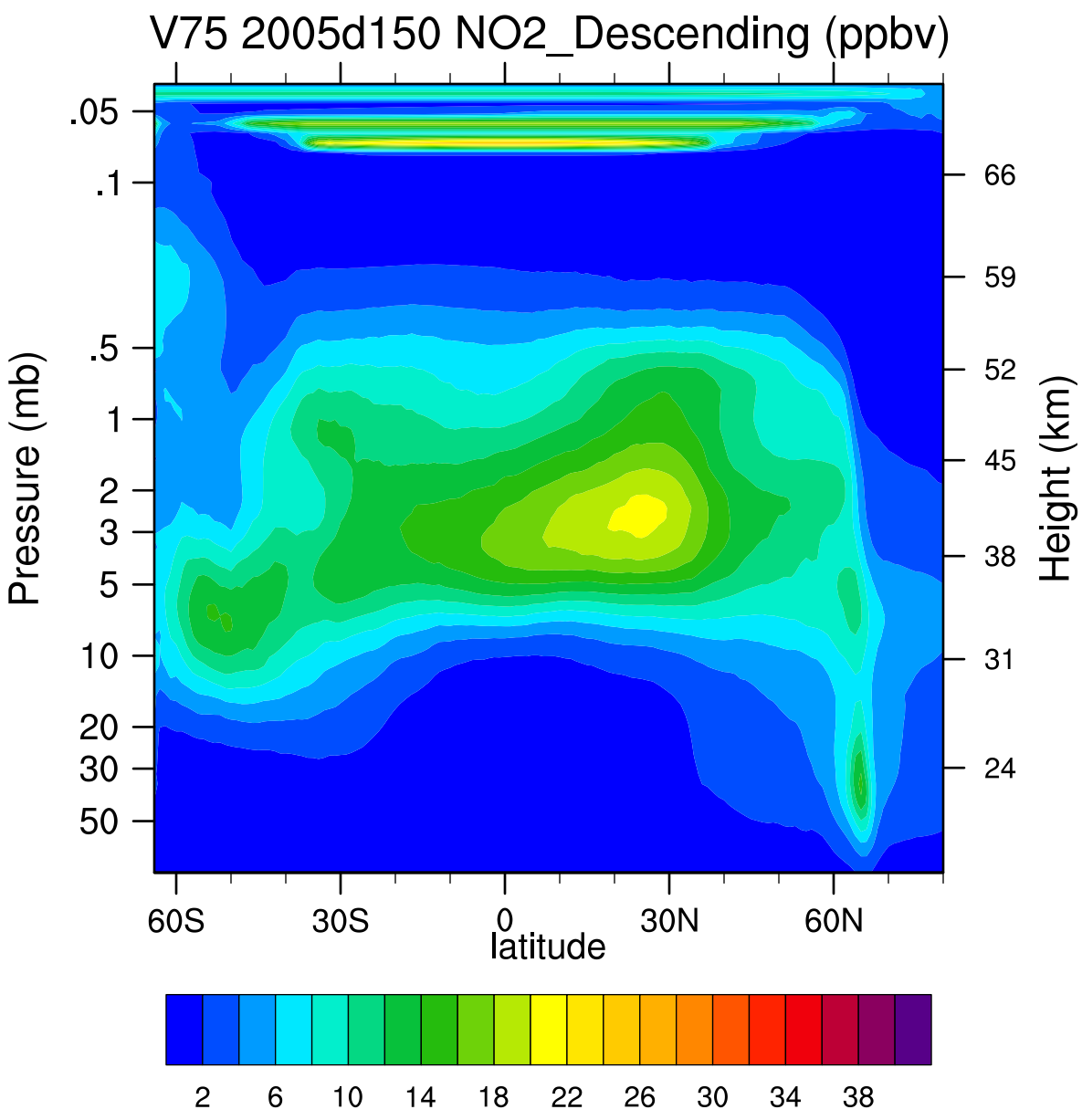
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Height (km)
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52
45
38
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24
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30S
0
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60N
latitude
2
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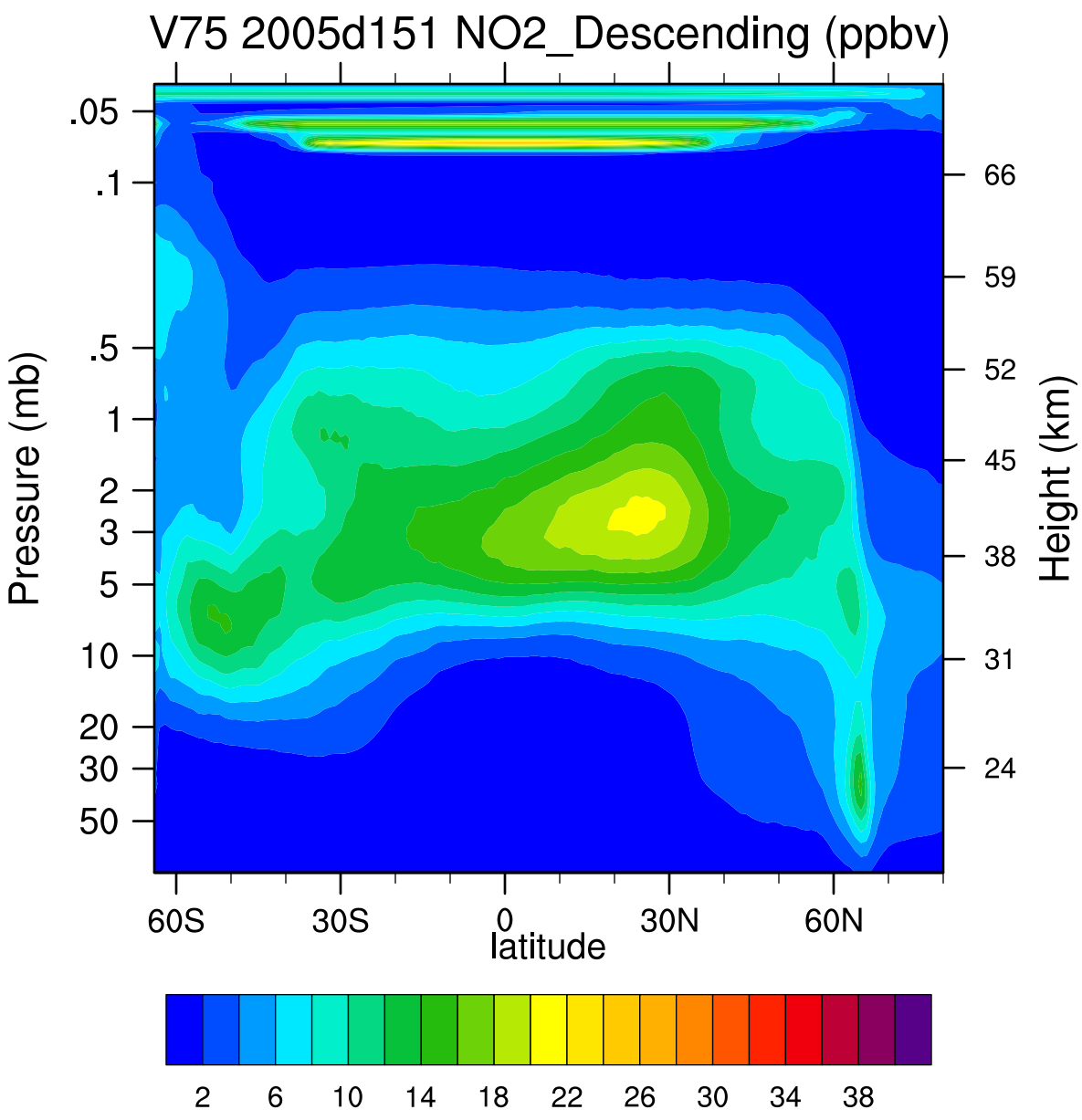
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Height (km)
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59
52
45
38
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24
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30S
0
30N
60N
latitude
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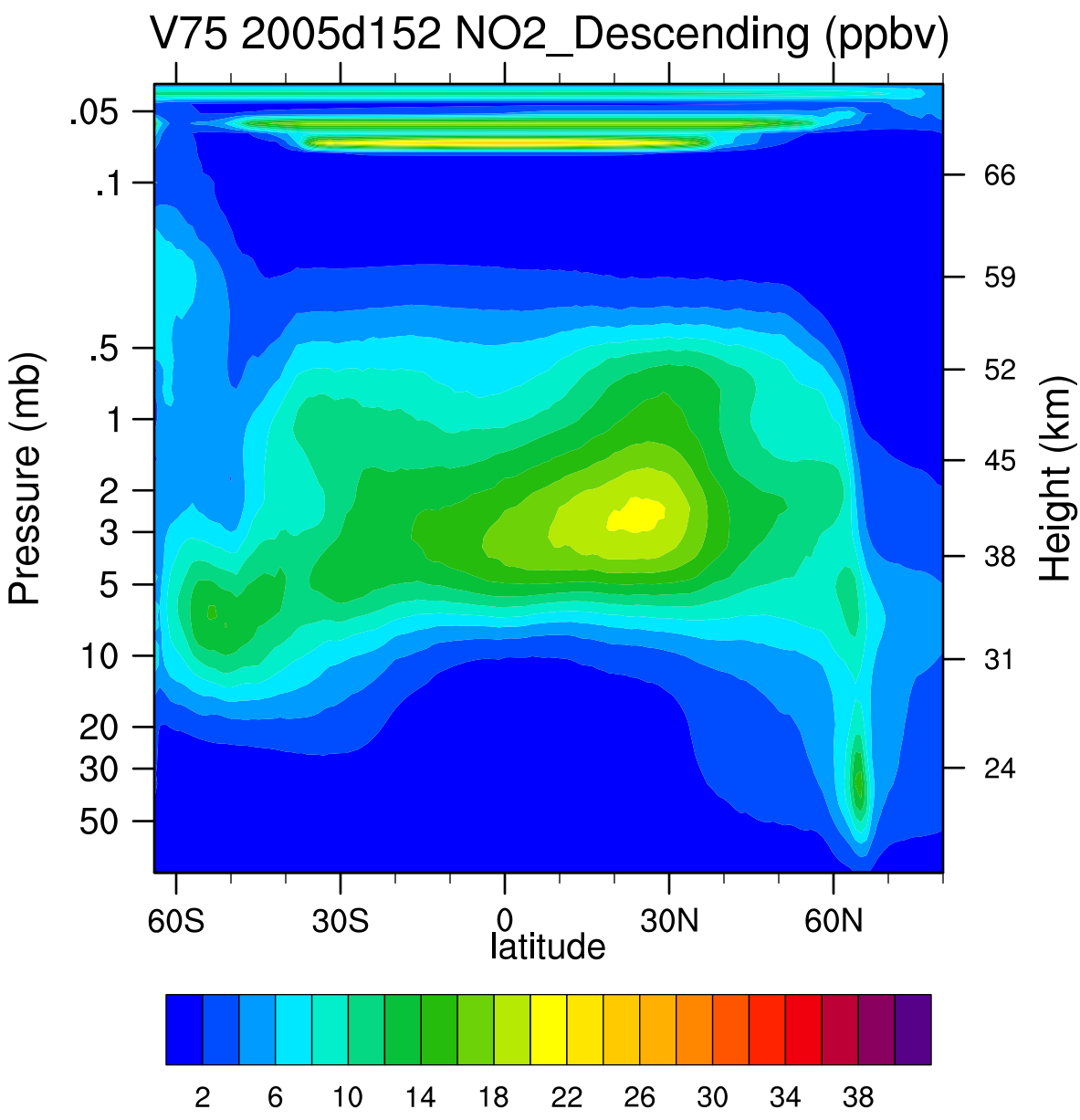
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Height (km)
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59
52
45
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24
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30S
0
30N
60N
latitude
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26
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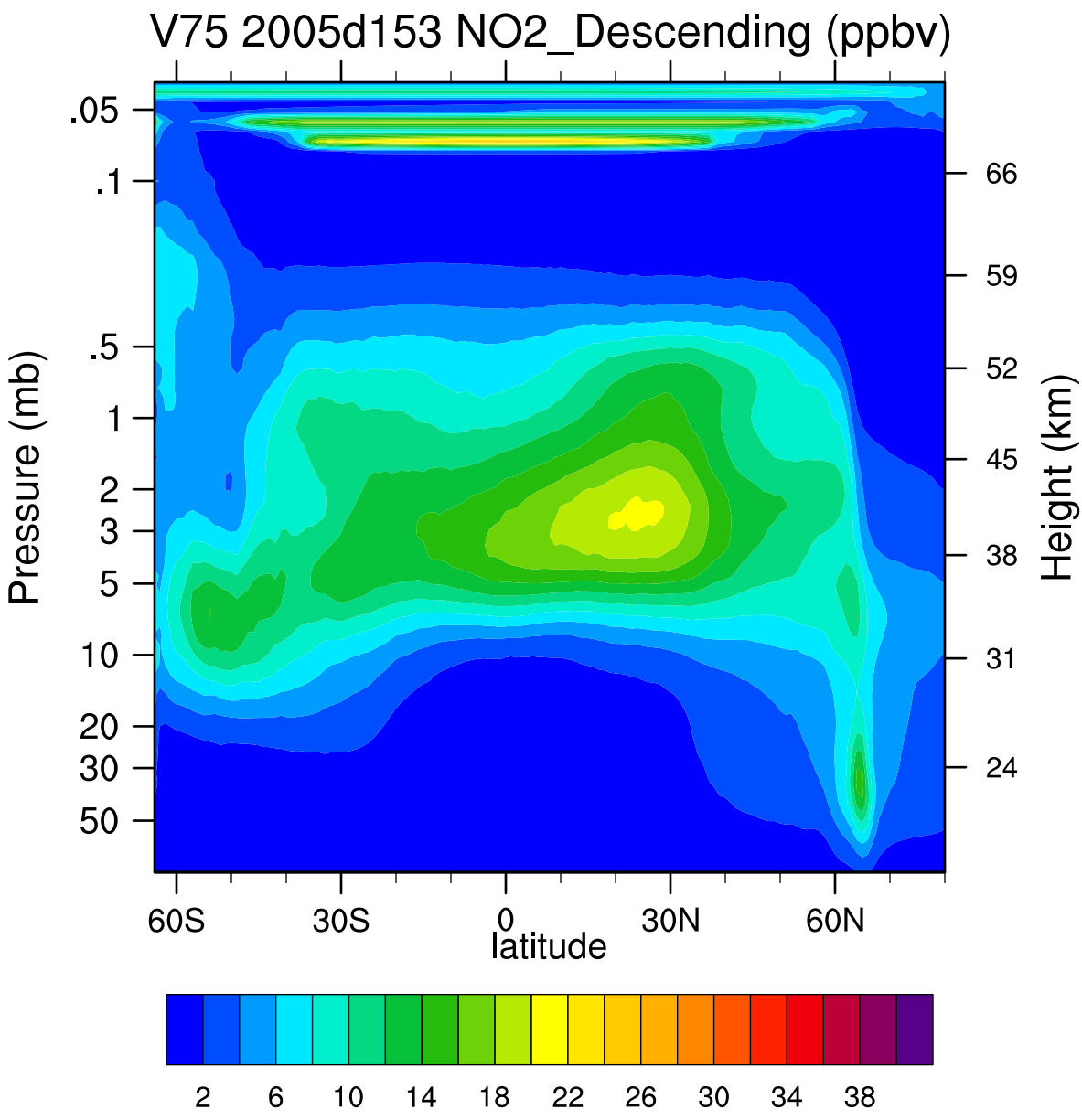
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Height (km)
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52
45
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24
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30S
0
30N
60N
latitude
2
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10
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26
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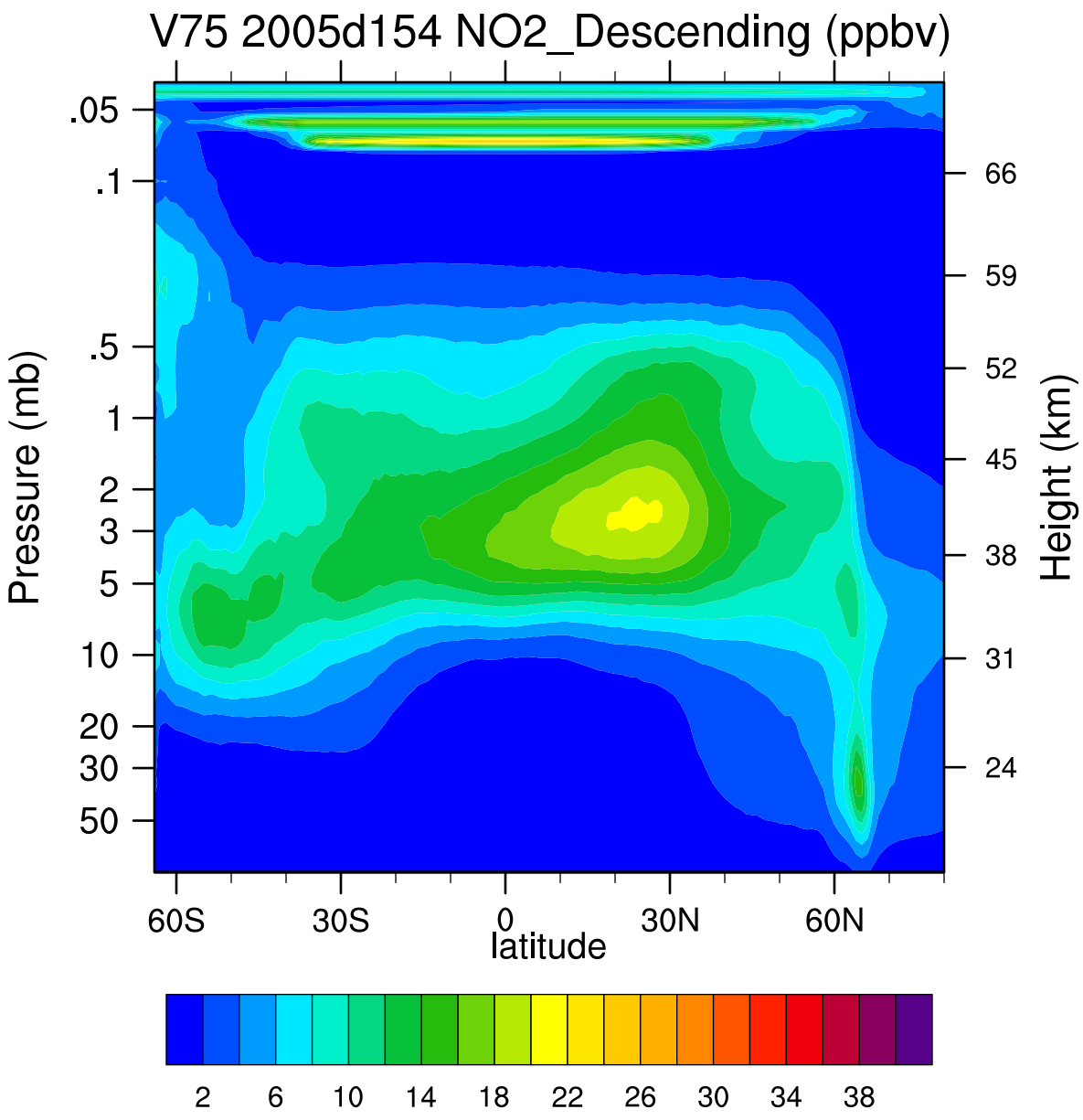
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Height (km)
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59
52
45
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30S
0
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latitude
2
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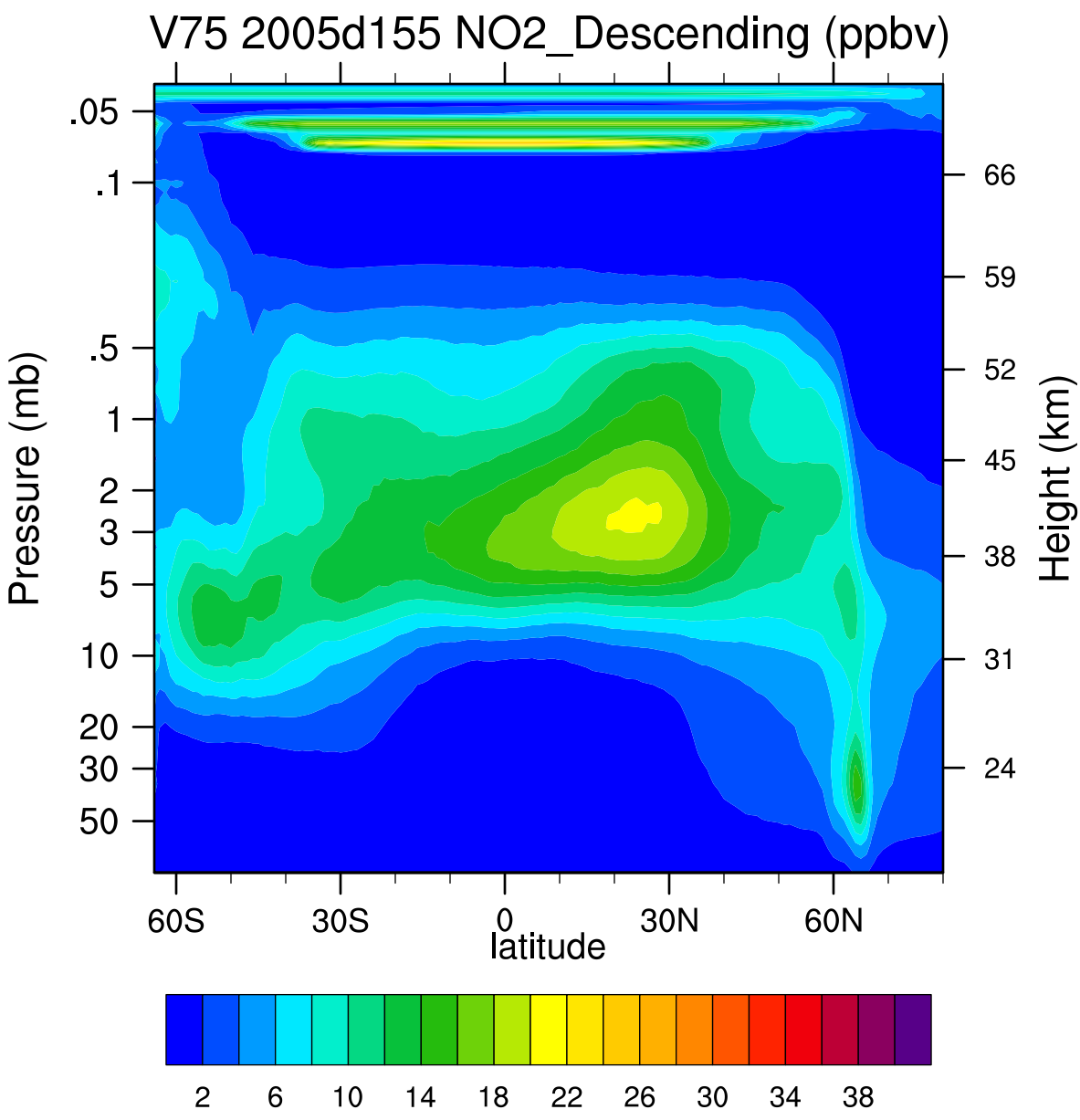
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Height (km)
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52
45
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30S
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60N
latitude
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26
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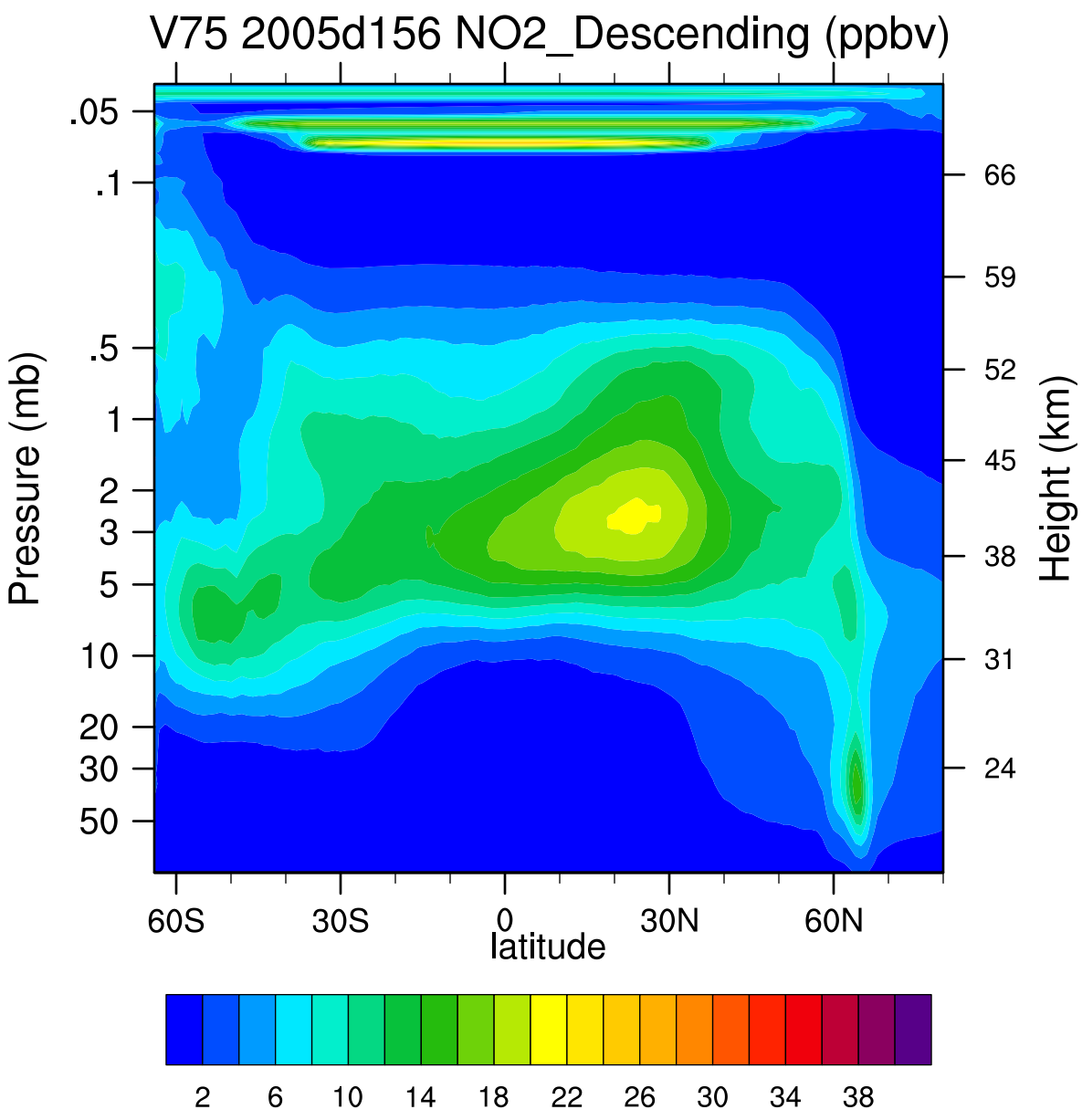
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Height (km)
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52
45
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30S
0
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latitude
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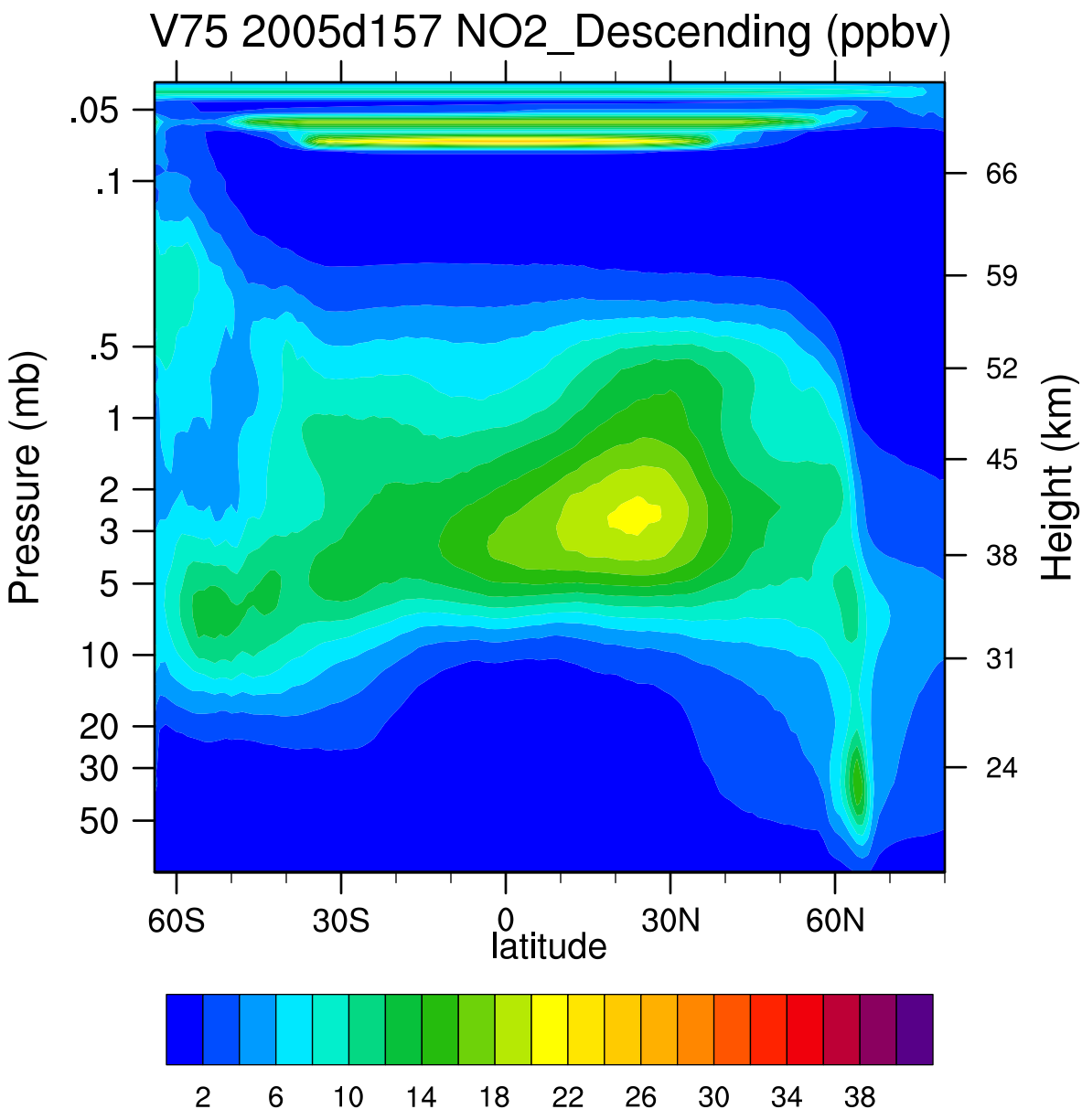
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Pressure (mb)
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Height (km)
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59
52
45
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30S
0
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60N
latitude
2
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26
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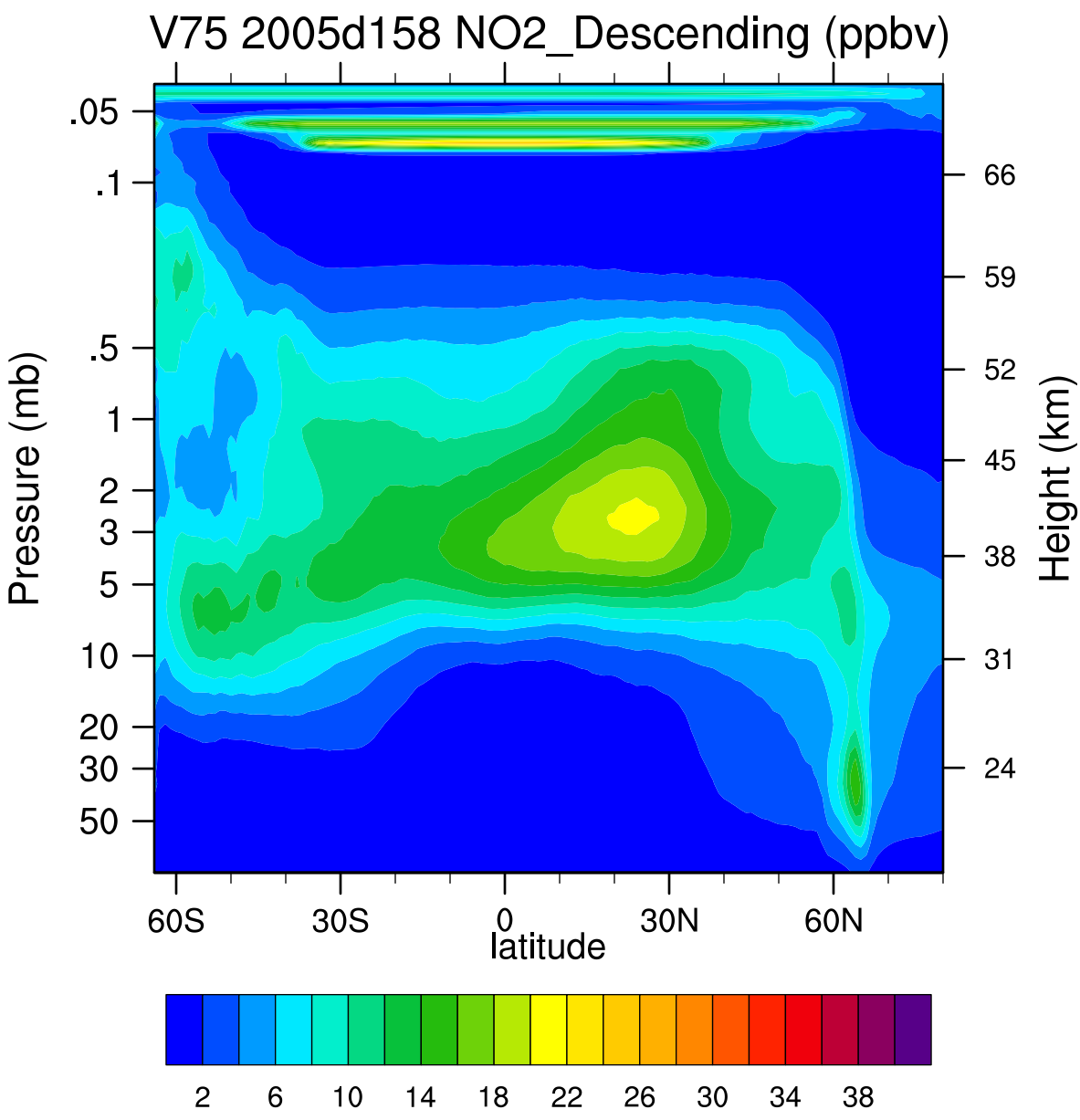
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Height (km)
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59
52
45
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30S
0
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60N
latitude
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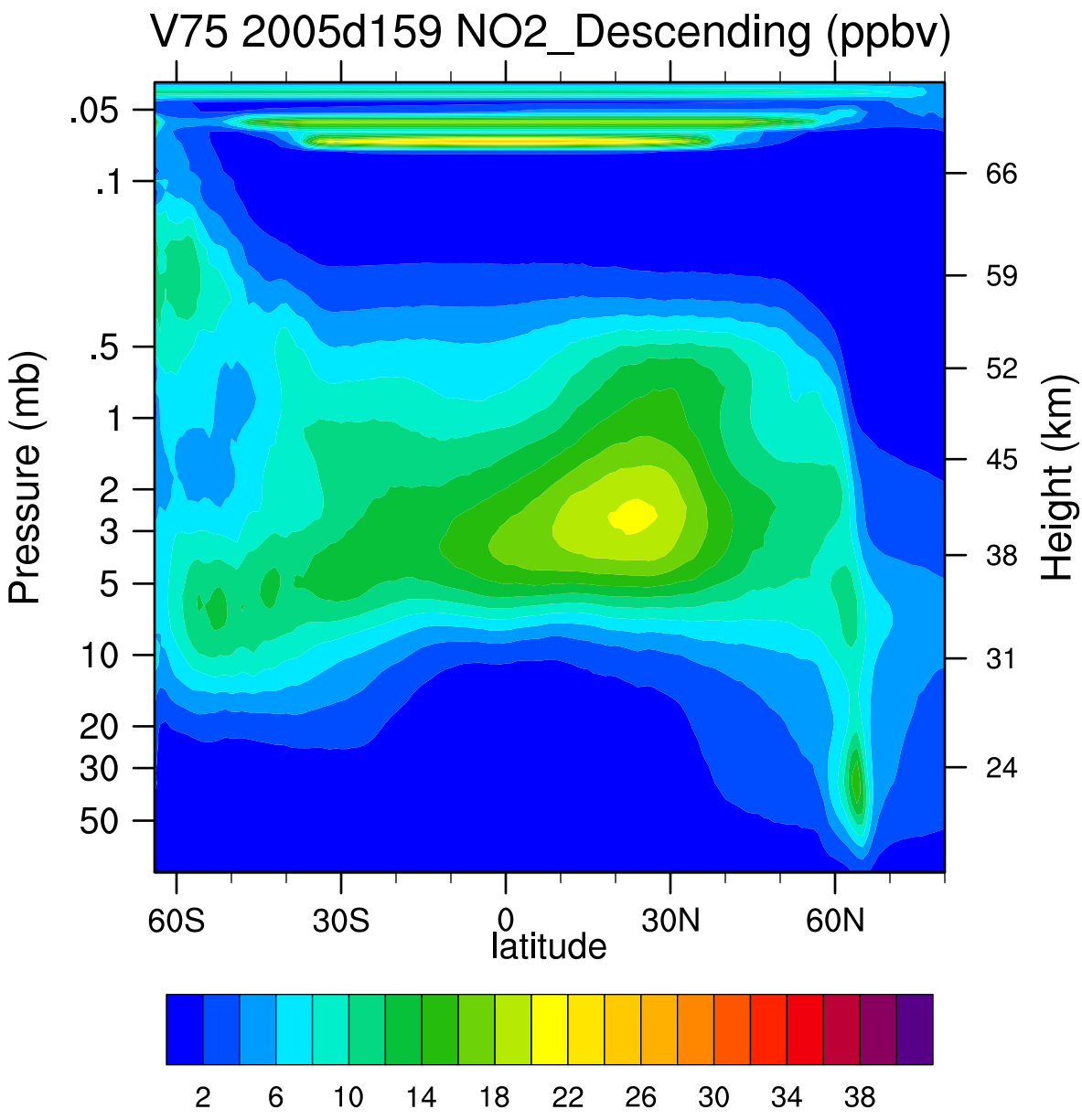
V75 2005d159 NO2_Descending (ppbv)
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30
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Pressure (mb)
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45
38
31
24
Height (km)
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30S
0
30N
60N
latitude
2
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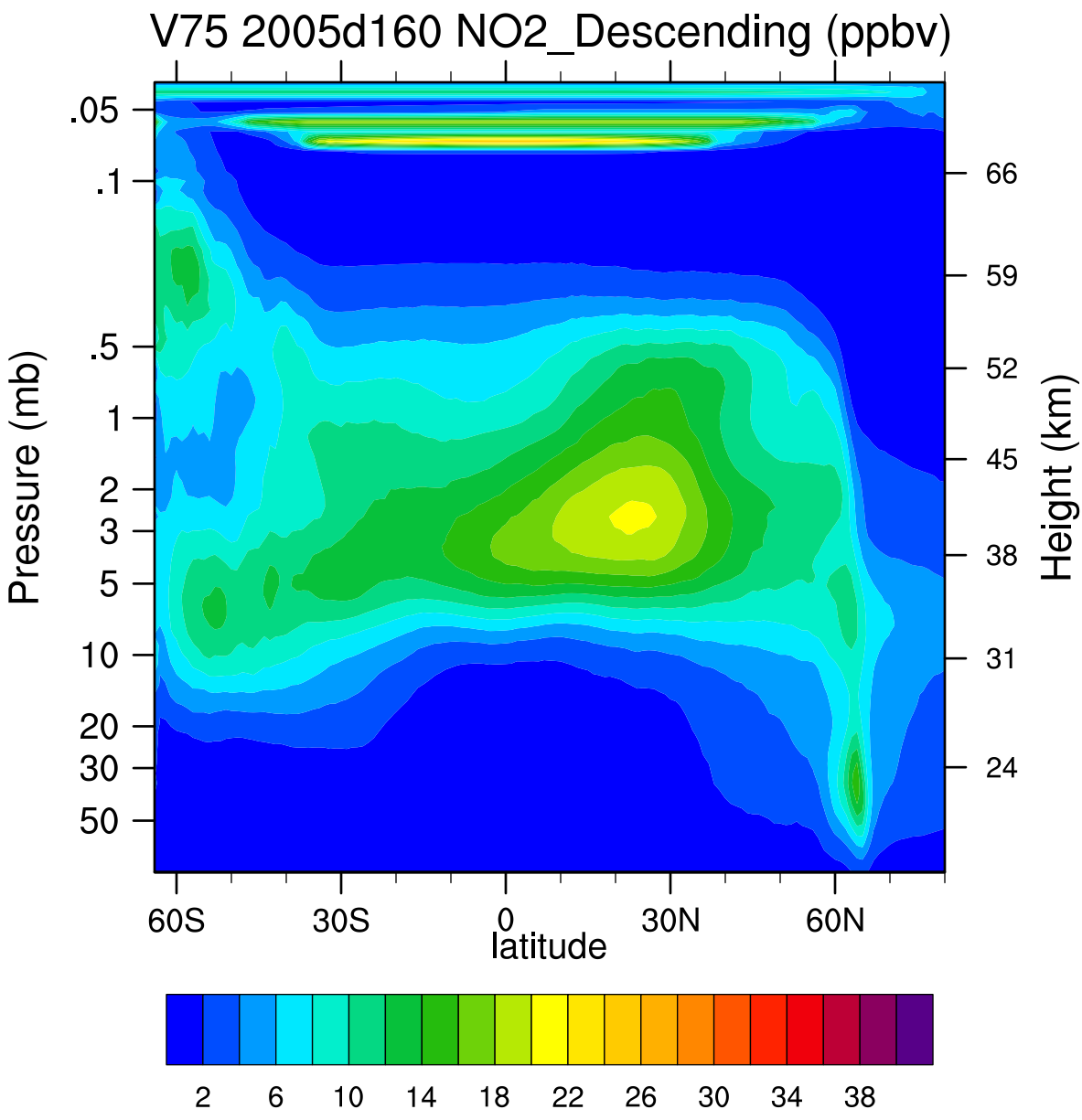
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Height (km)
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52
45
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30S
0
30N
60N
latitude
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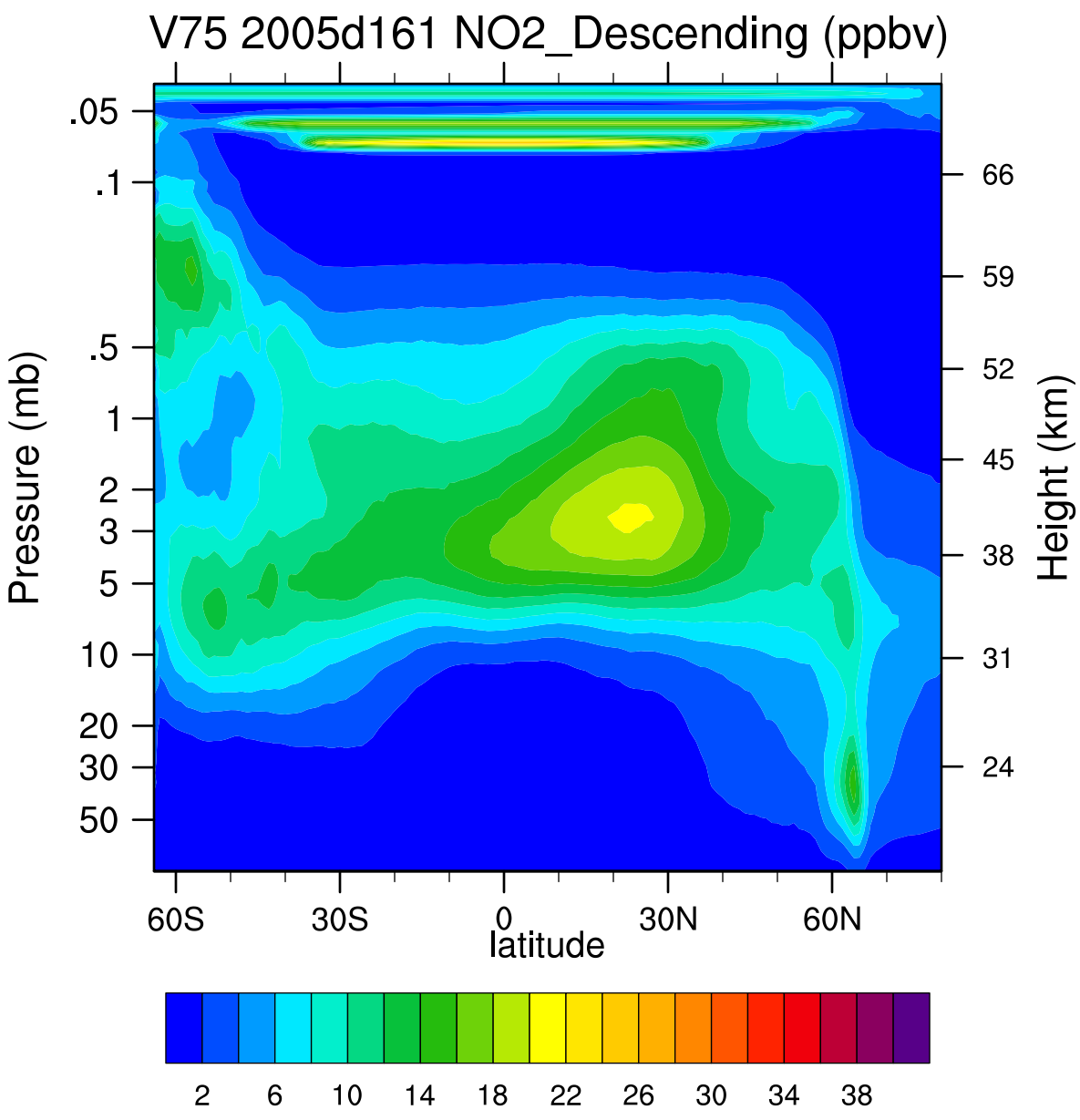
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Height (km)
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52
45
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30S
0
30N
60N
latitude
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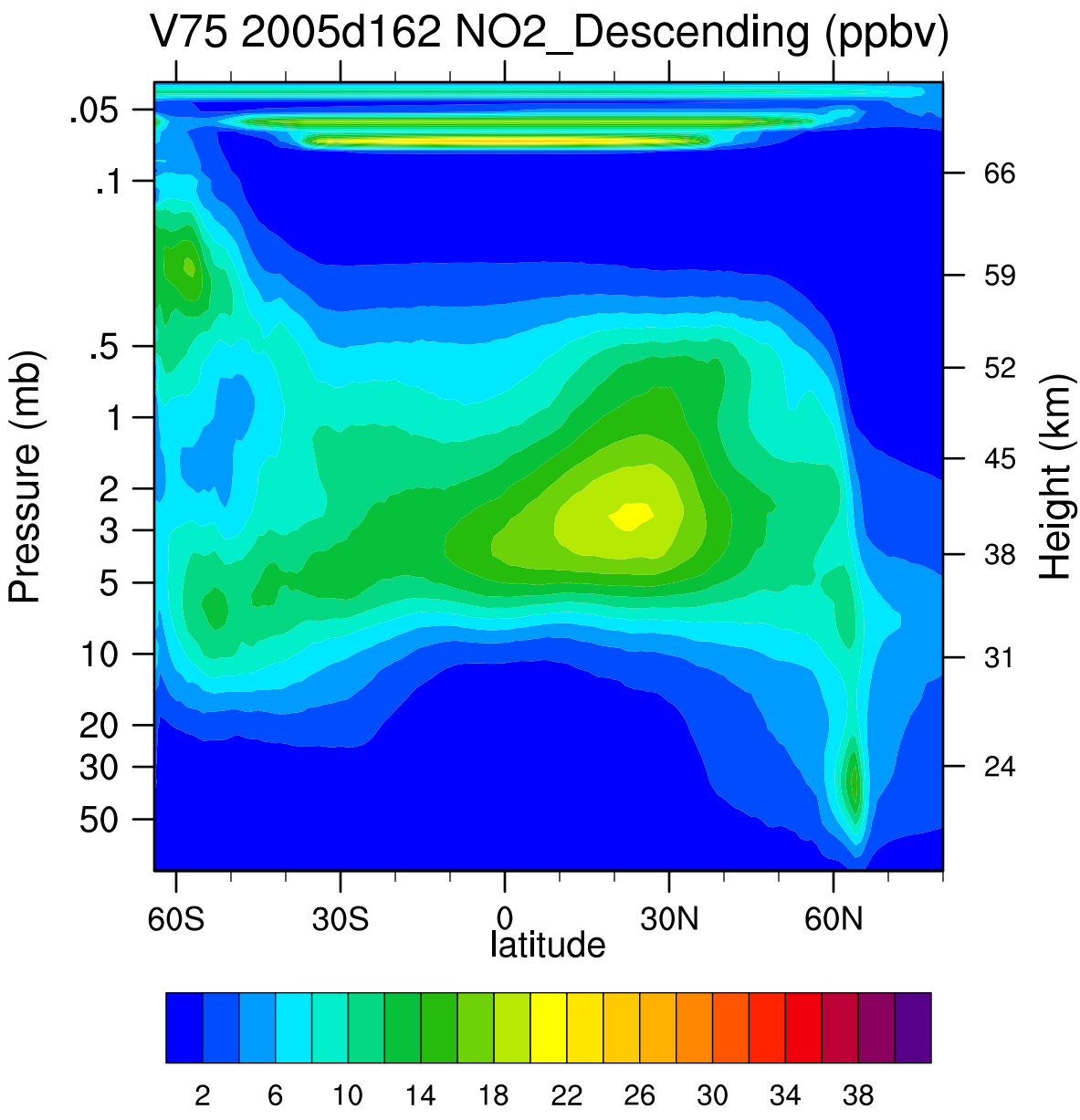
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Height (km)
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52
45
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30S
0
30N
60N
latitude
2
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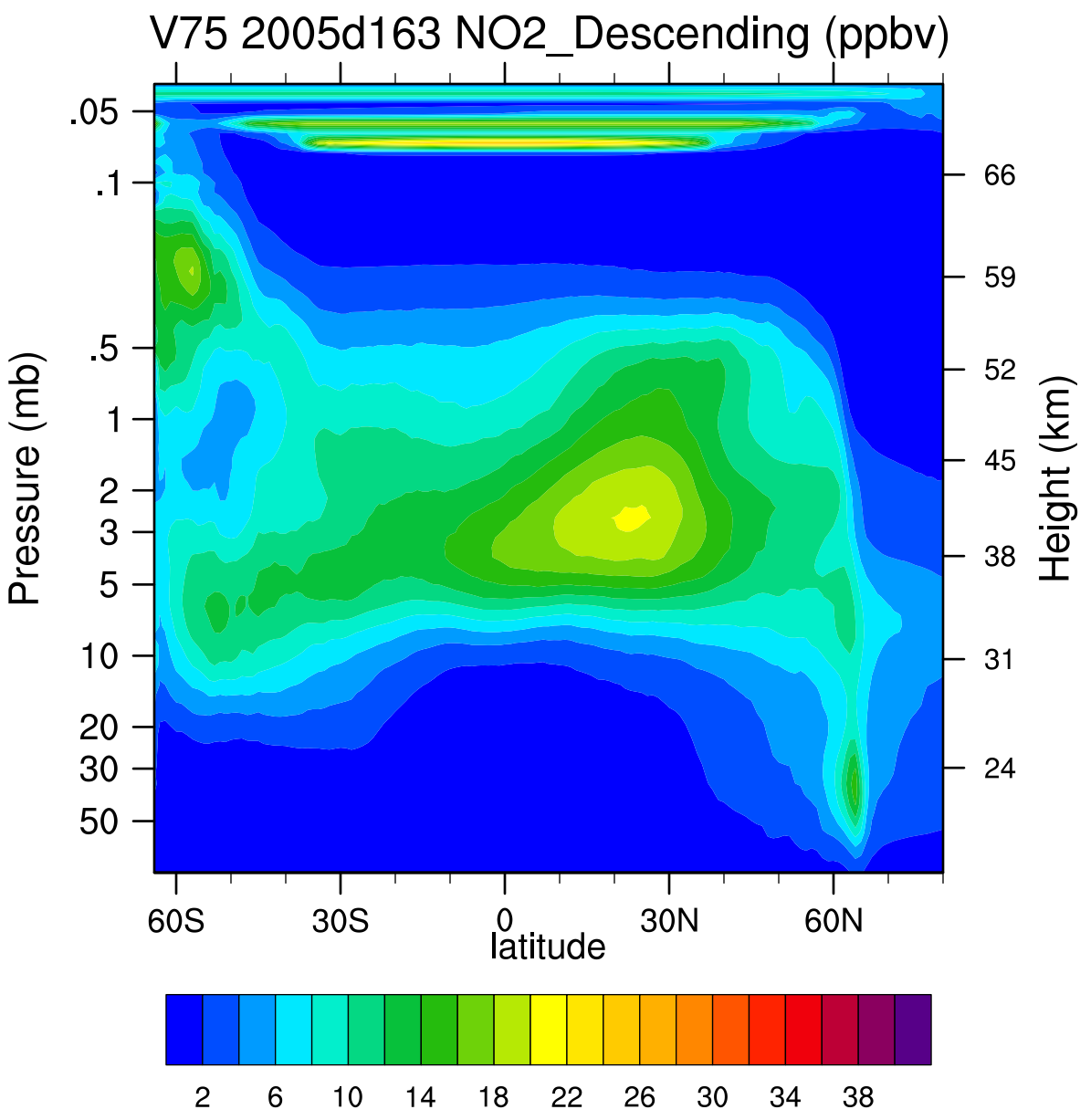
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Pressure (mb)
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5
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Height (km)
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59
52
45
38
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24
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30S
0
30N
60N
latitude
2
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26
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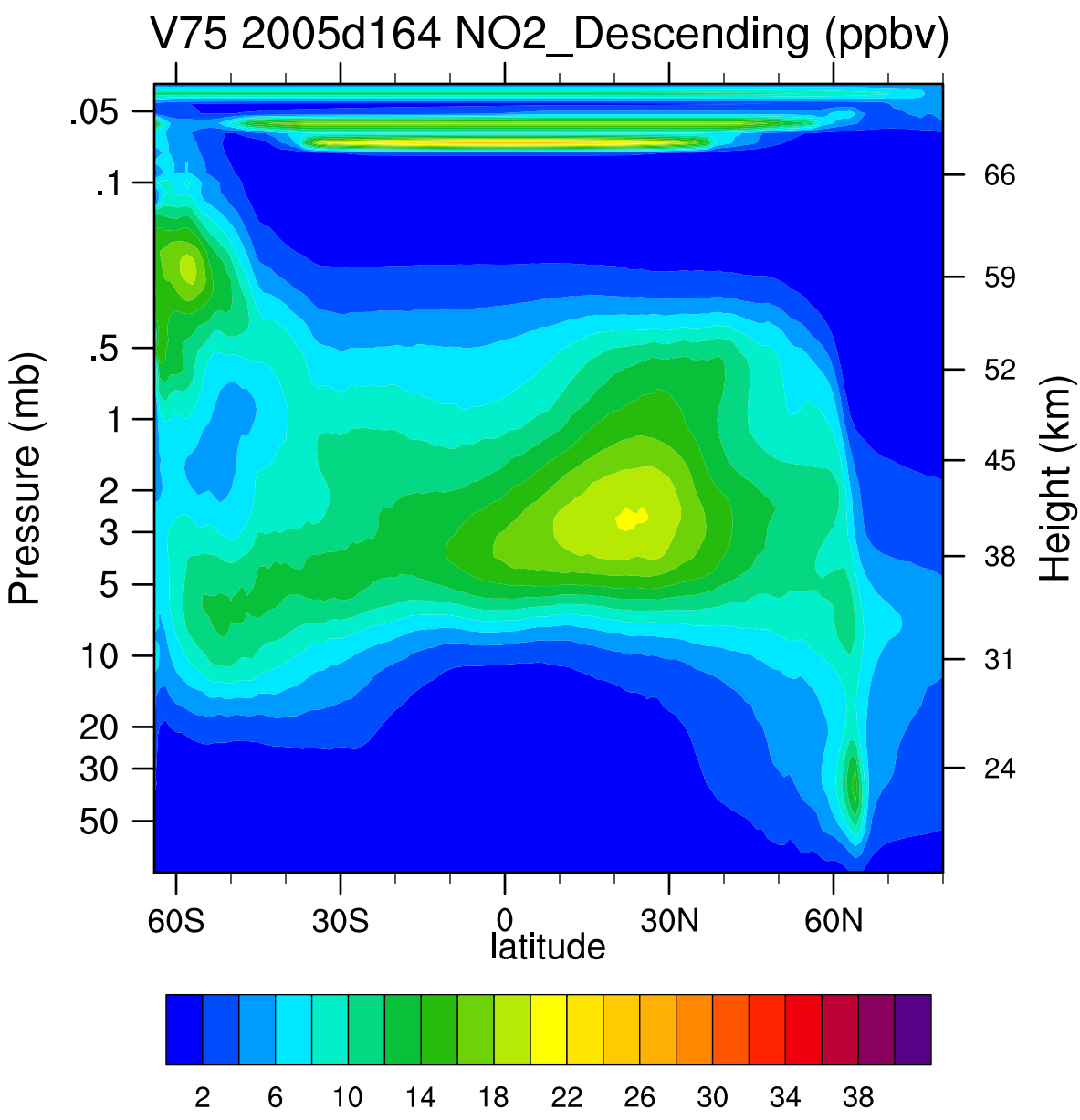
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Height (km)
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59
52
45
38
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24
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30S
0
30N
60N
latitude
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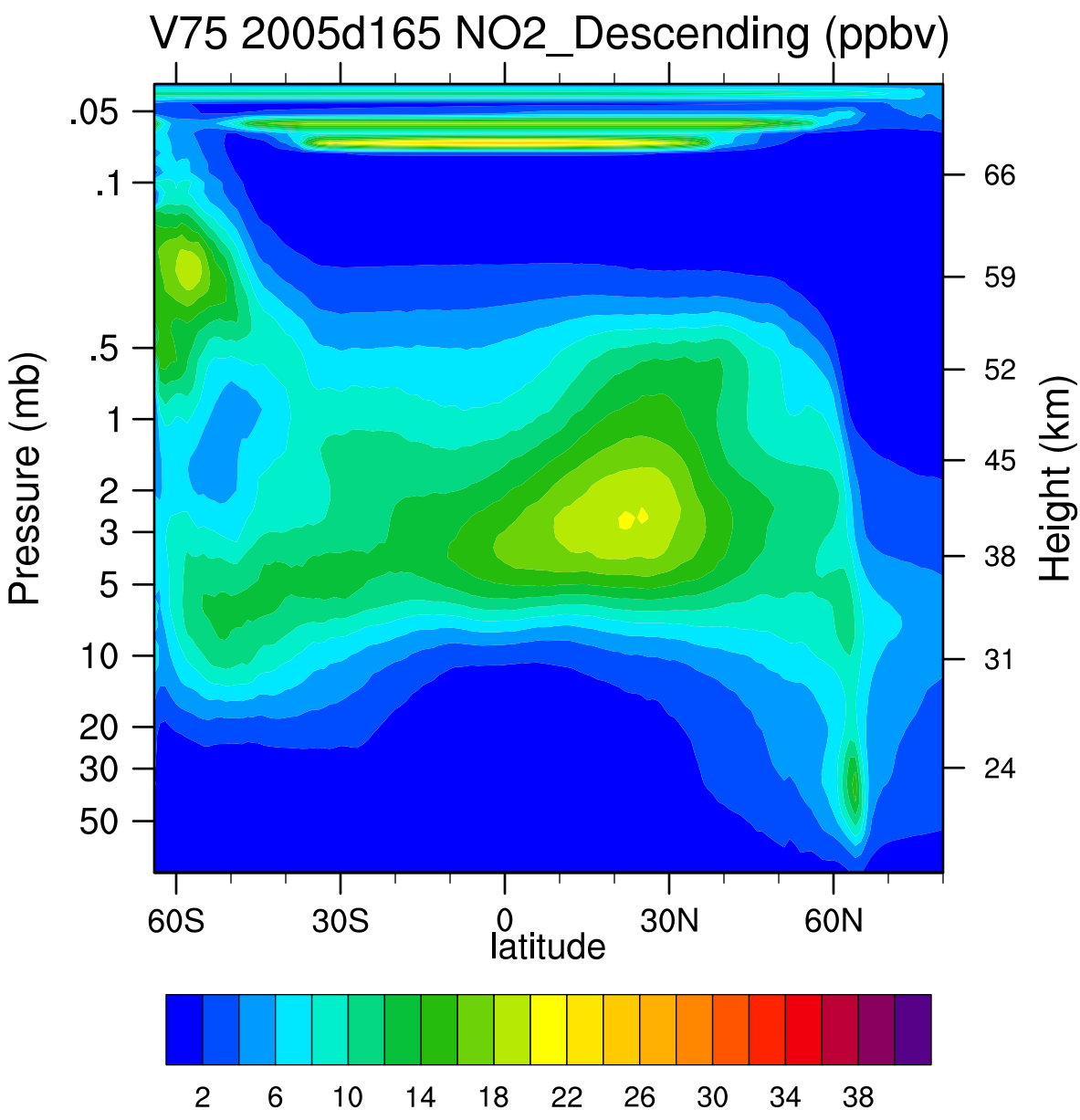
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Pressure (mb)
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3
5
10
20
30
50
Height (km)
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59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
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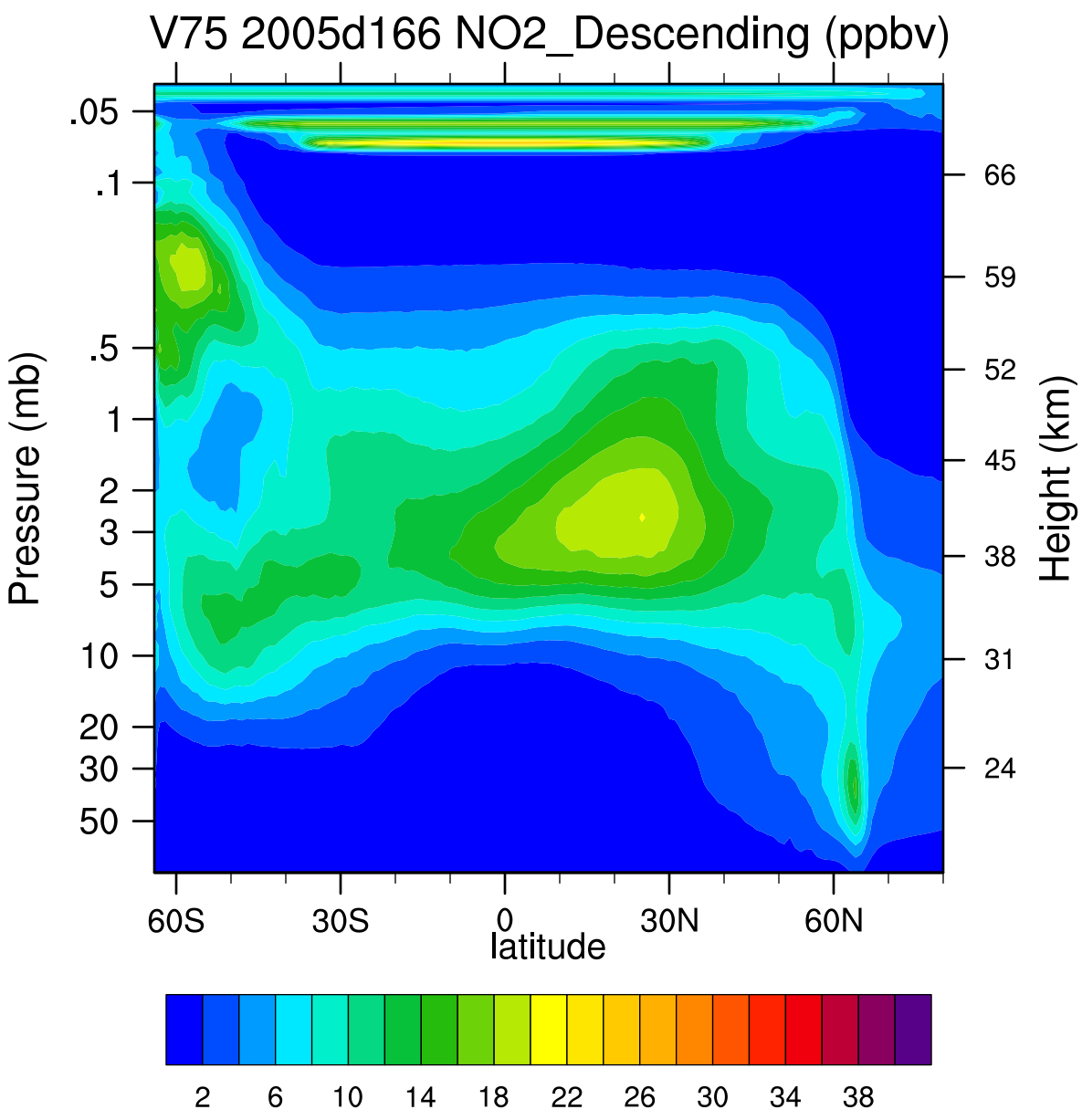
18
22
26
30
34
38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.5
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30
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Pressure (mb)
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59
52
45
38
31
24
Height (km)
60S
30S
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30N
60N
latitude
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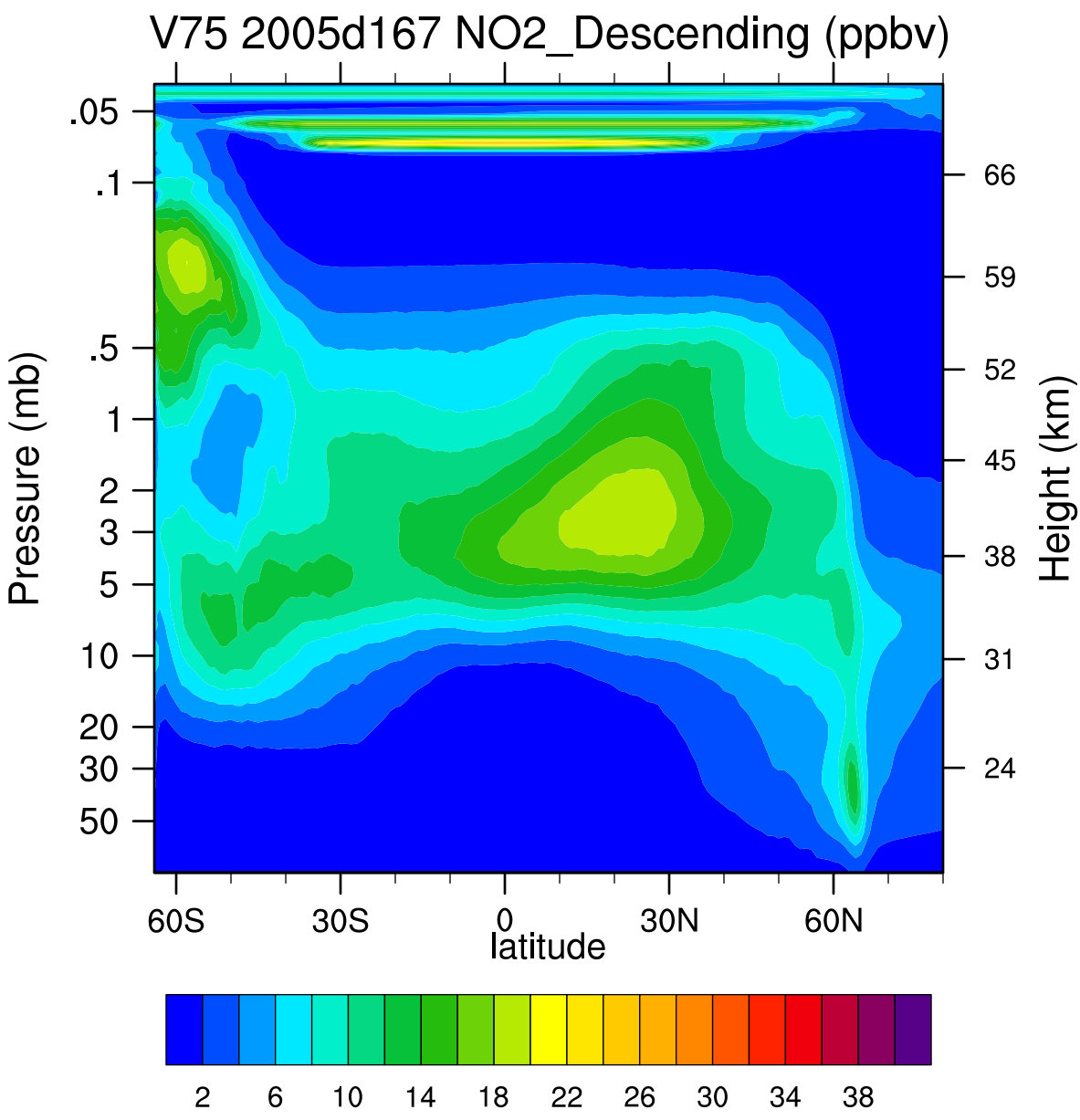
34
38


V75 2005d167 NO2_Descending (ppbv)
.05
.1
.5
1
2
3
5
10
20
30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
60S
30S
0
30N
60N
latitude
2
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10
14
18
22
26
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34
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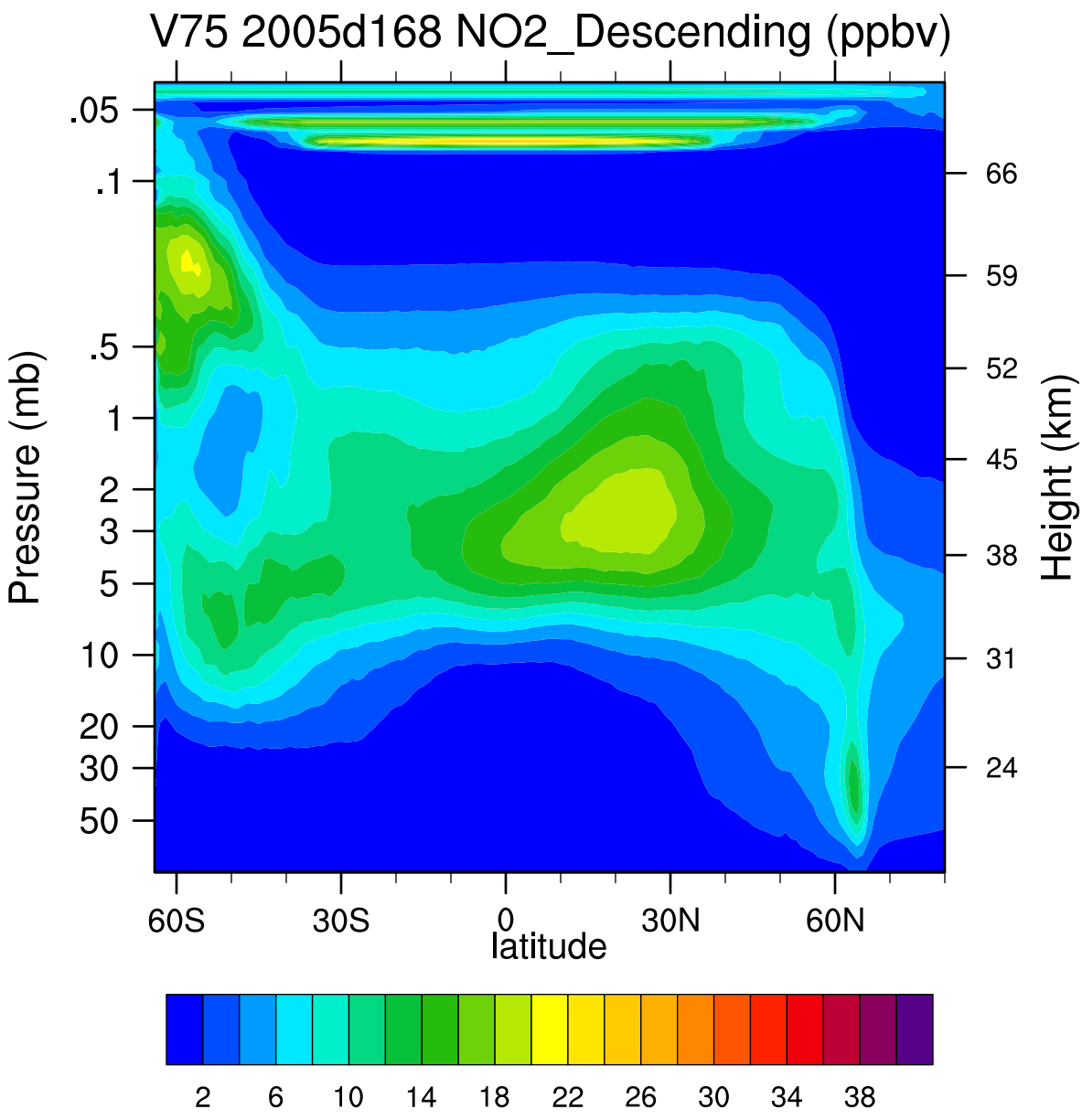
V75 2005d168 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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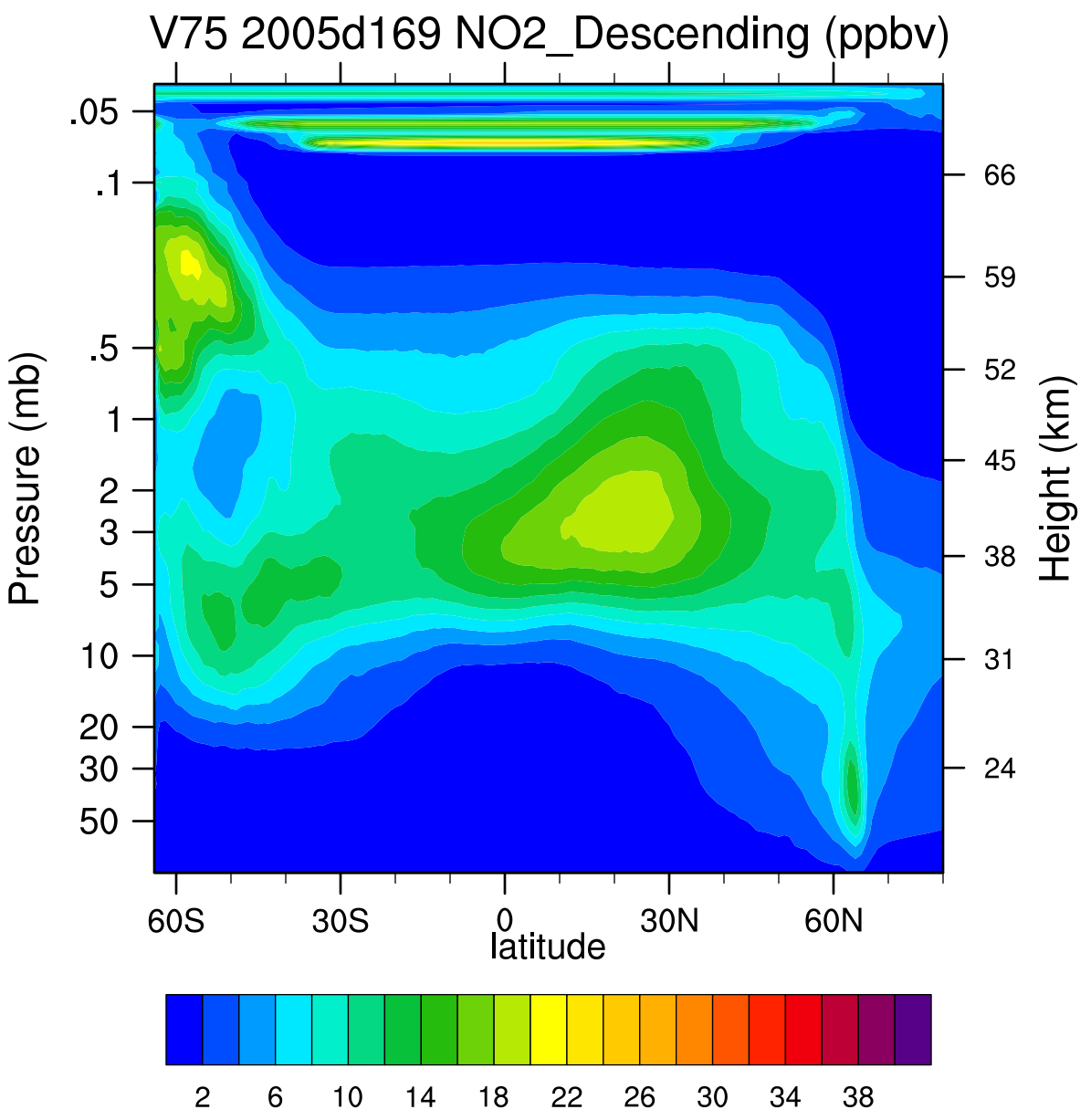
V75 2005d169 NO2_Descending (ppbv)
Pressure (mb)
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.1
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2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
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10
14
18
22
26
30
34
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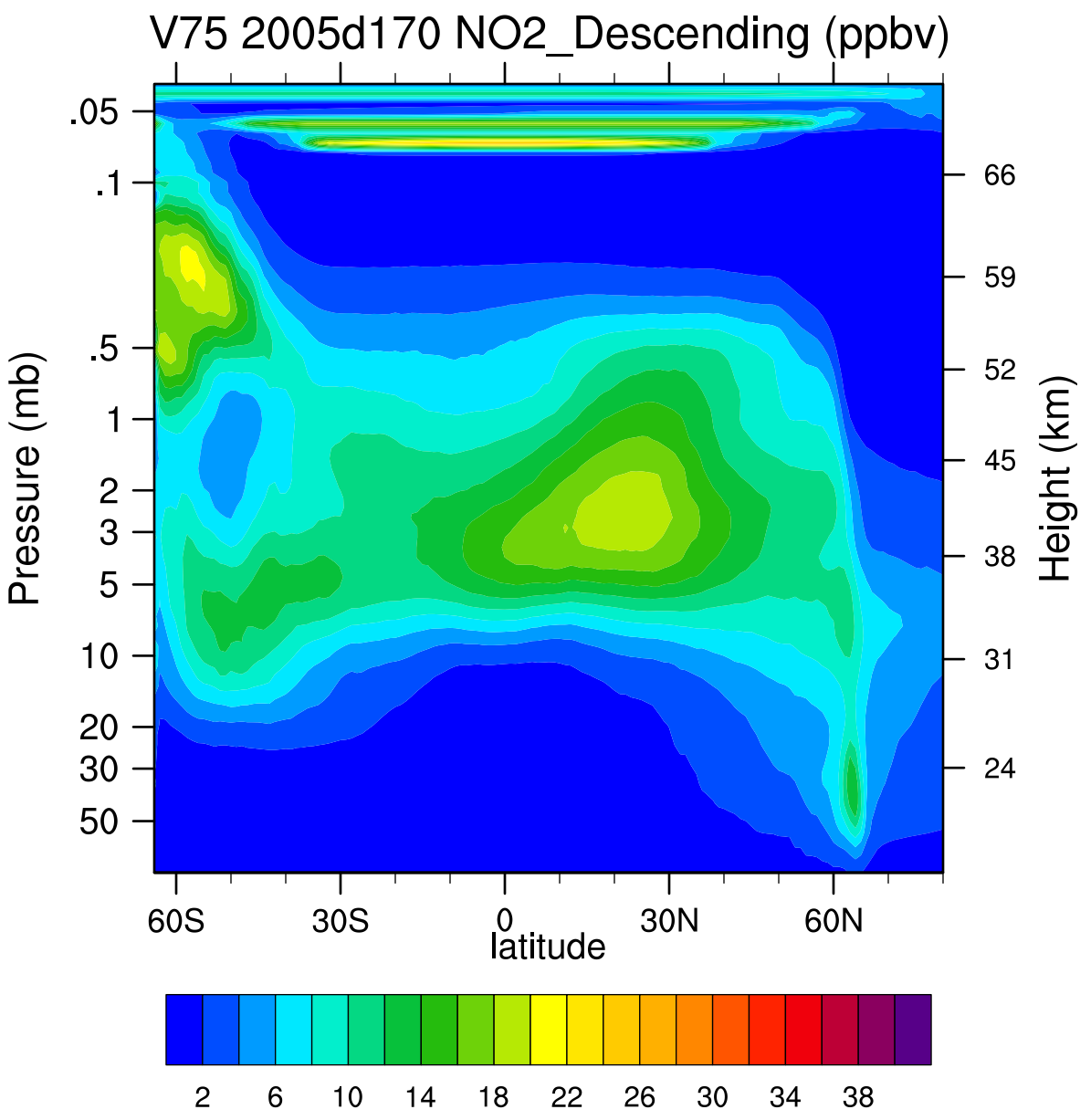
V75 2005d170 NO2_Descending (ppbv)
Pressure (mb)
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.1
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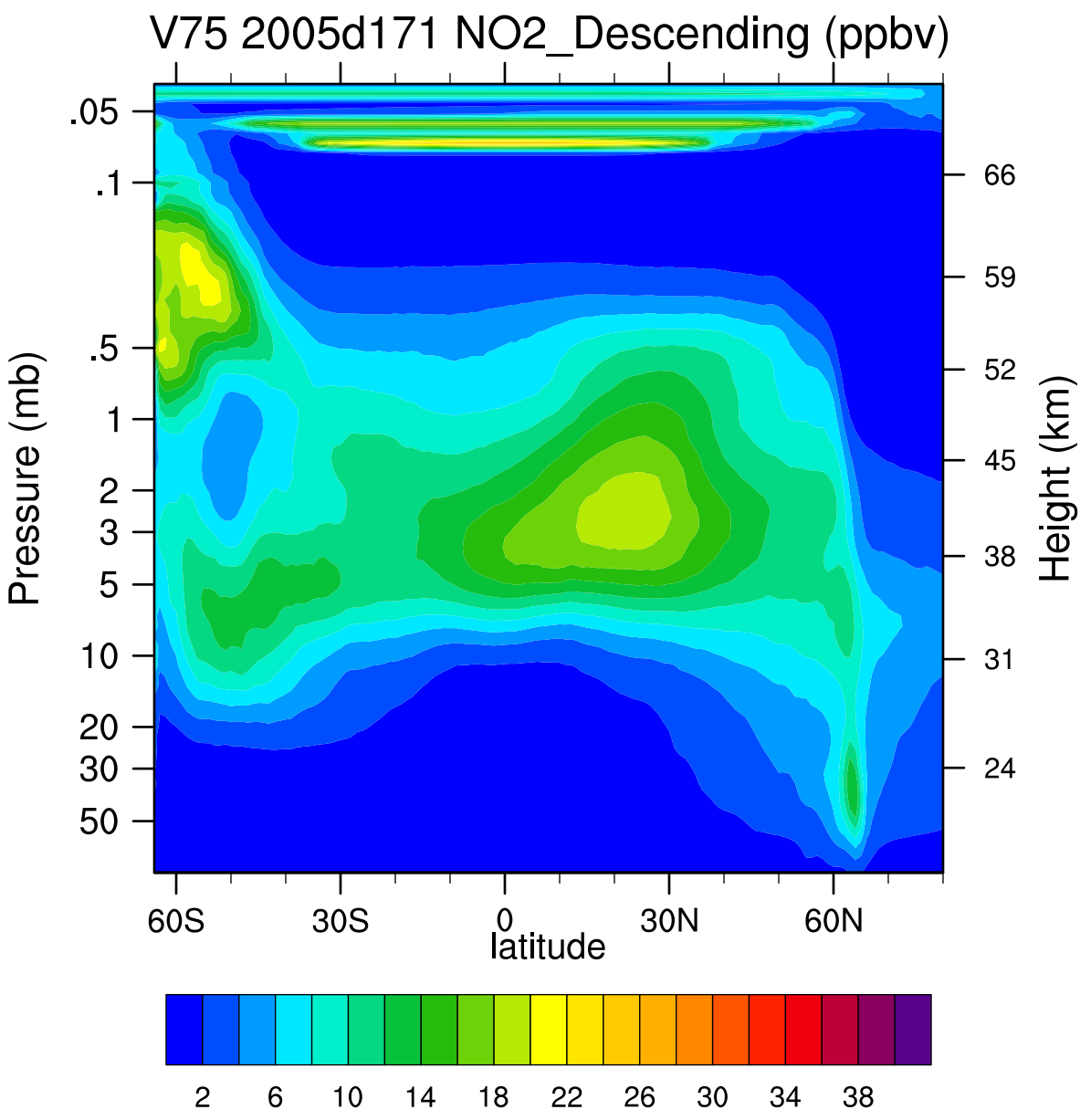
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d171 NO2_Descending (ppbv)
Pressure (mb)
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.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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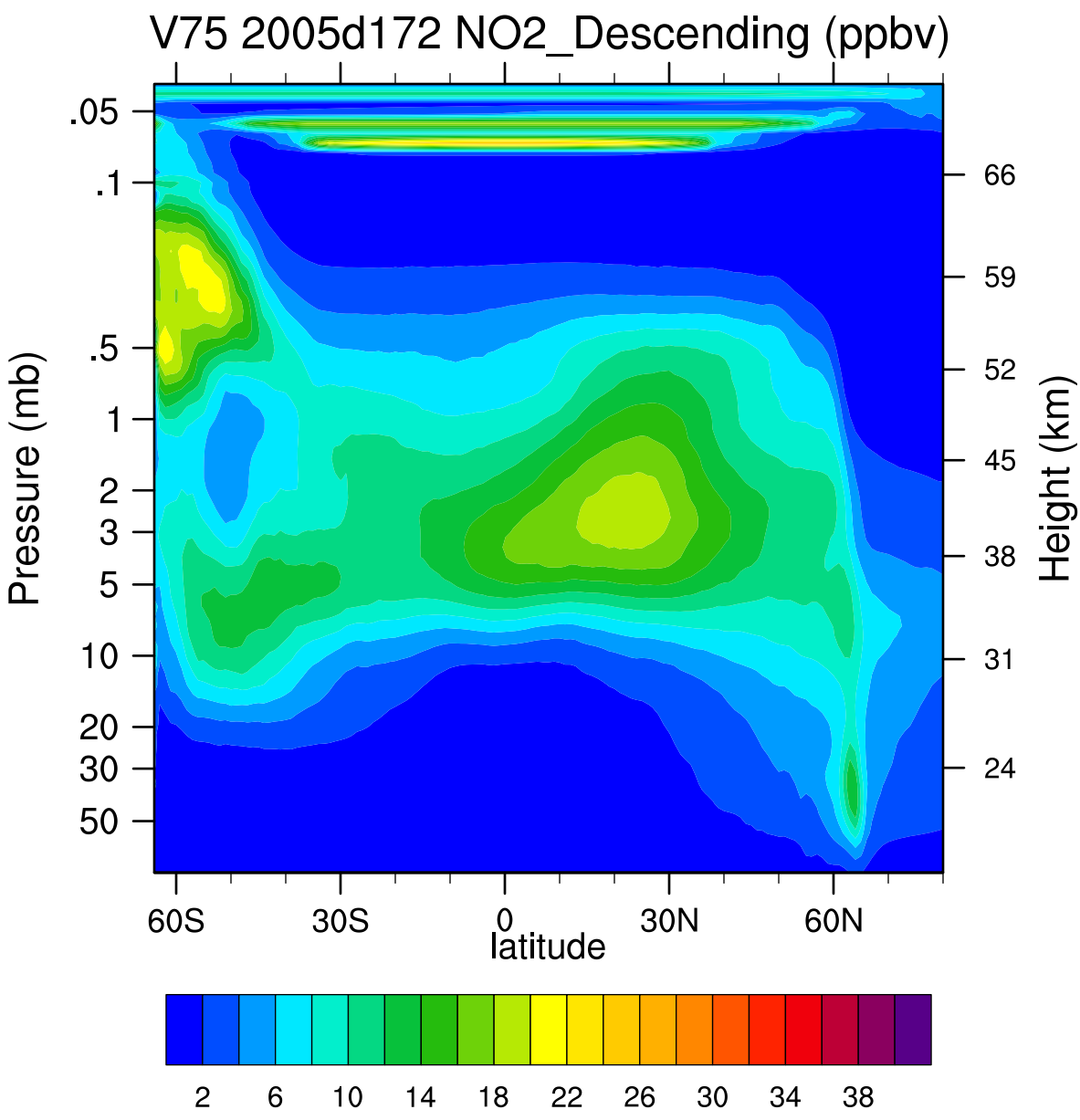
V75 2005d172 NO2_Descending (ppbv)
Pressure (mb)
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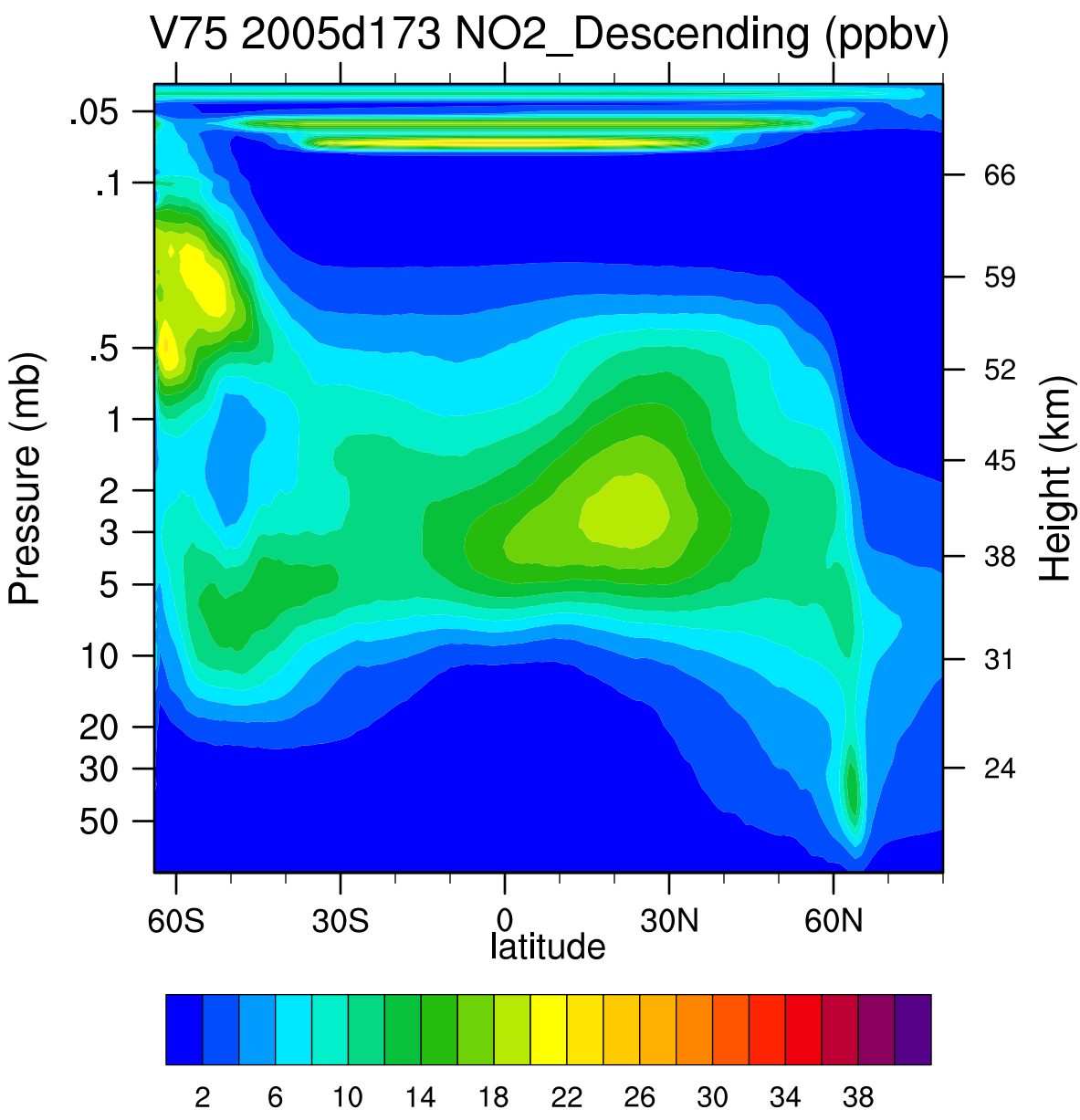
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d173 NO2_Descending (ppbv)
Pressure (mb)
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.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
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34
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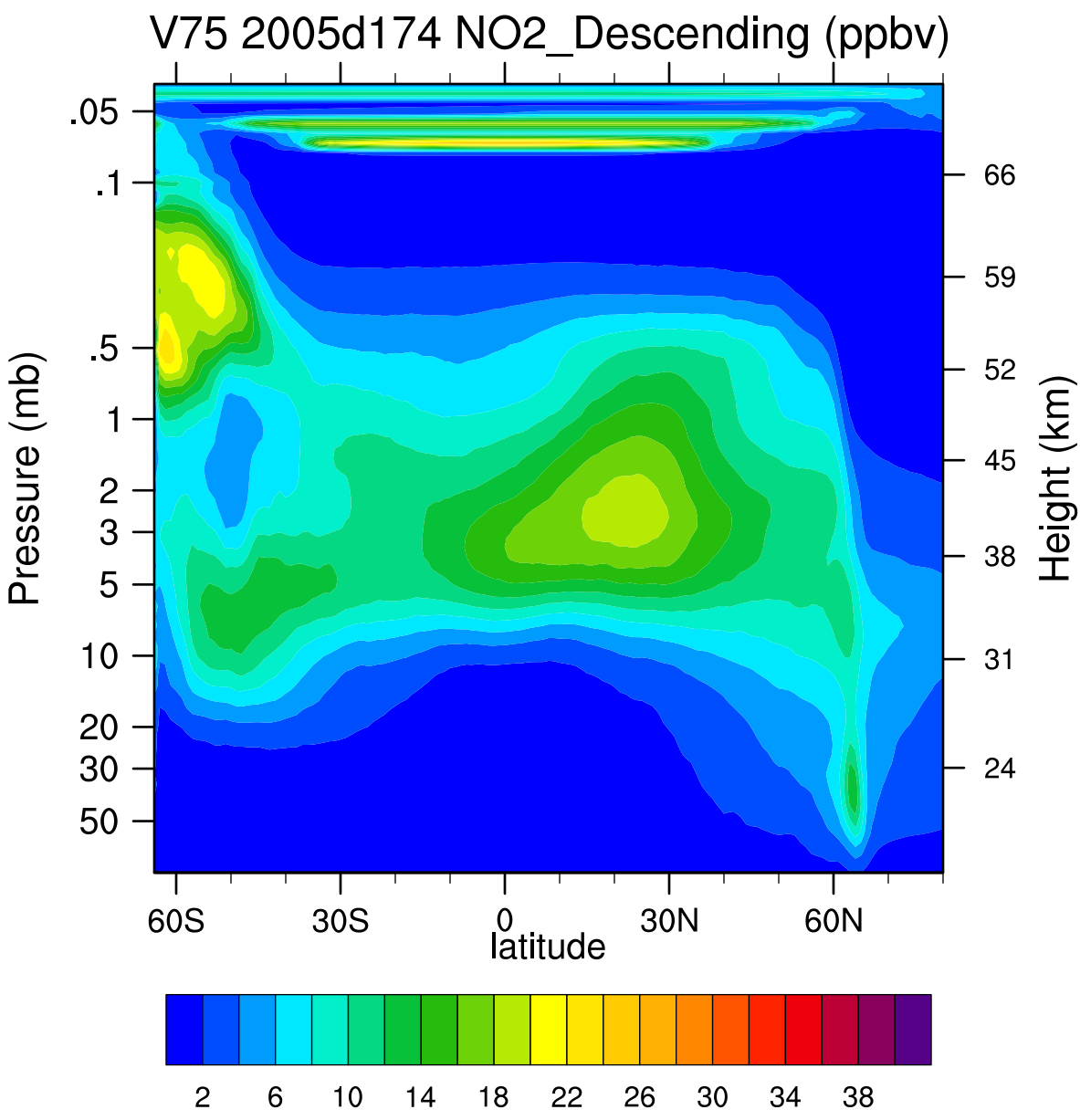
V75 2005d174 NO2_Descending (ppbv)
Pressure (mb)
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.1
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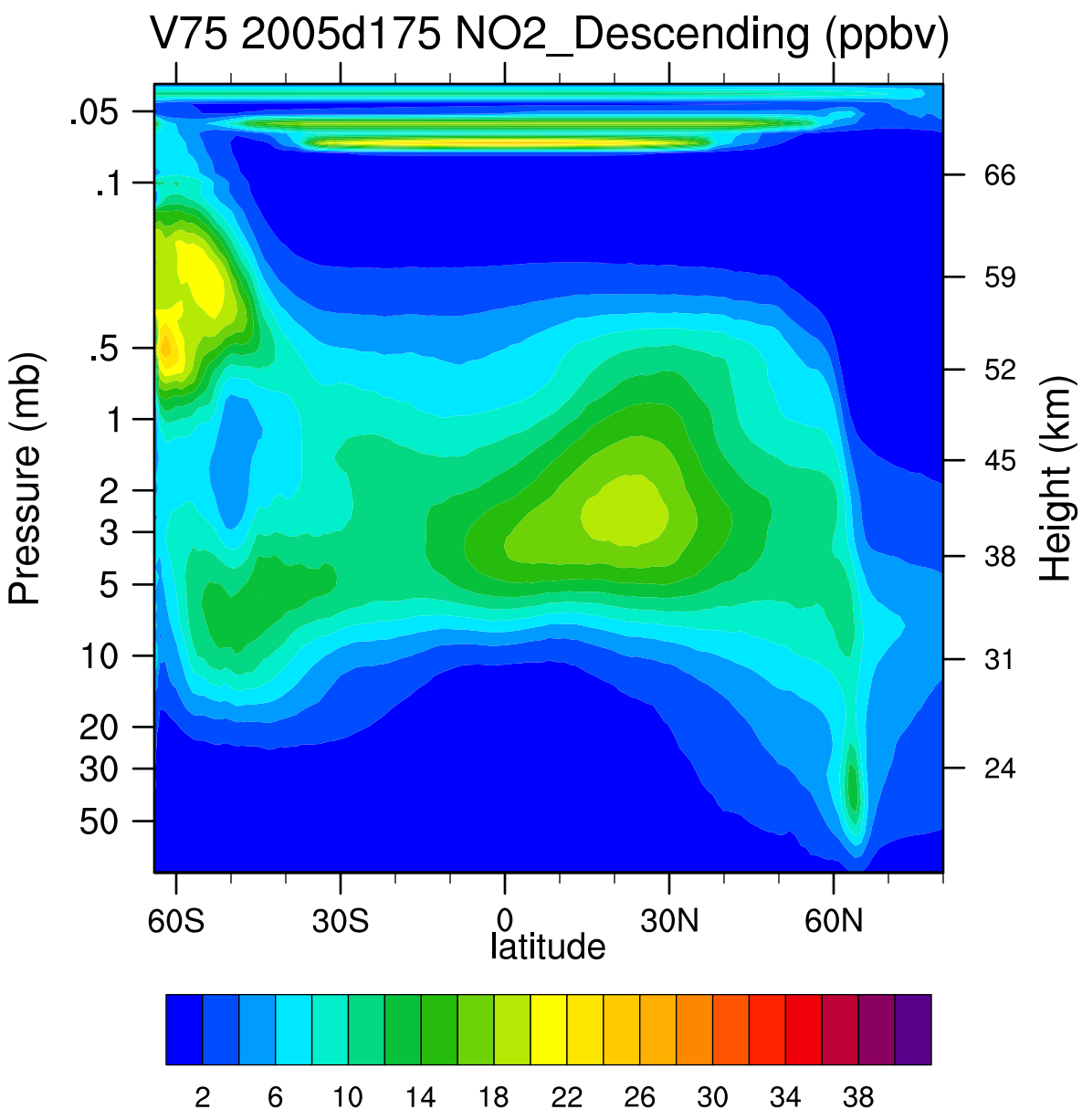
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d175 NO2_Descending (ppbv)
Pressure (mb)
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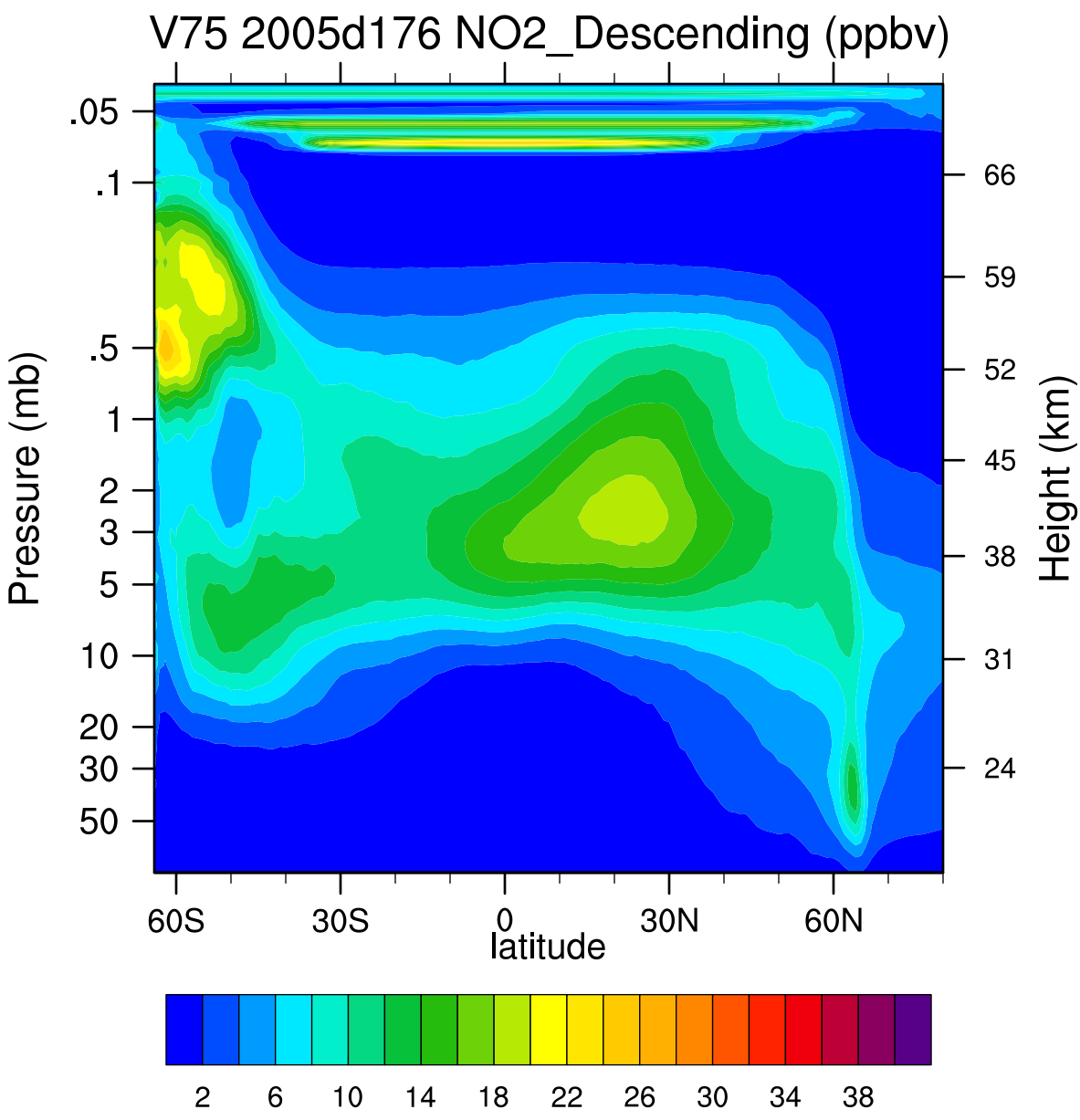
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d176 NO2_Descending (ppbv)
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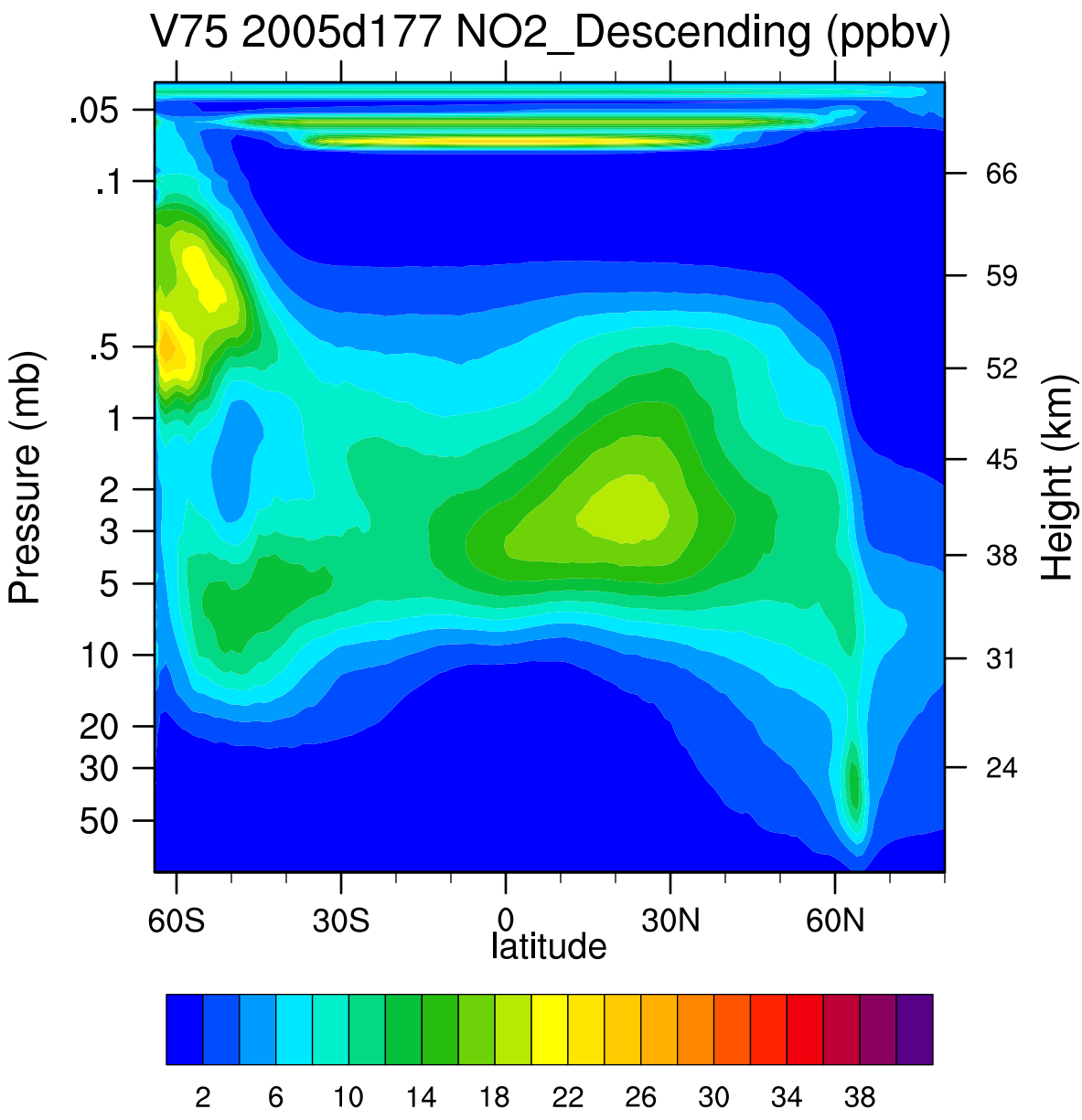
.1
.5
1
2
3
5
10
20
30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d177 NO2_Descending (ppbv)
Pressure (mb)
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.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
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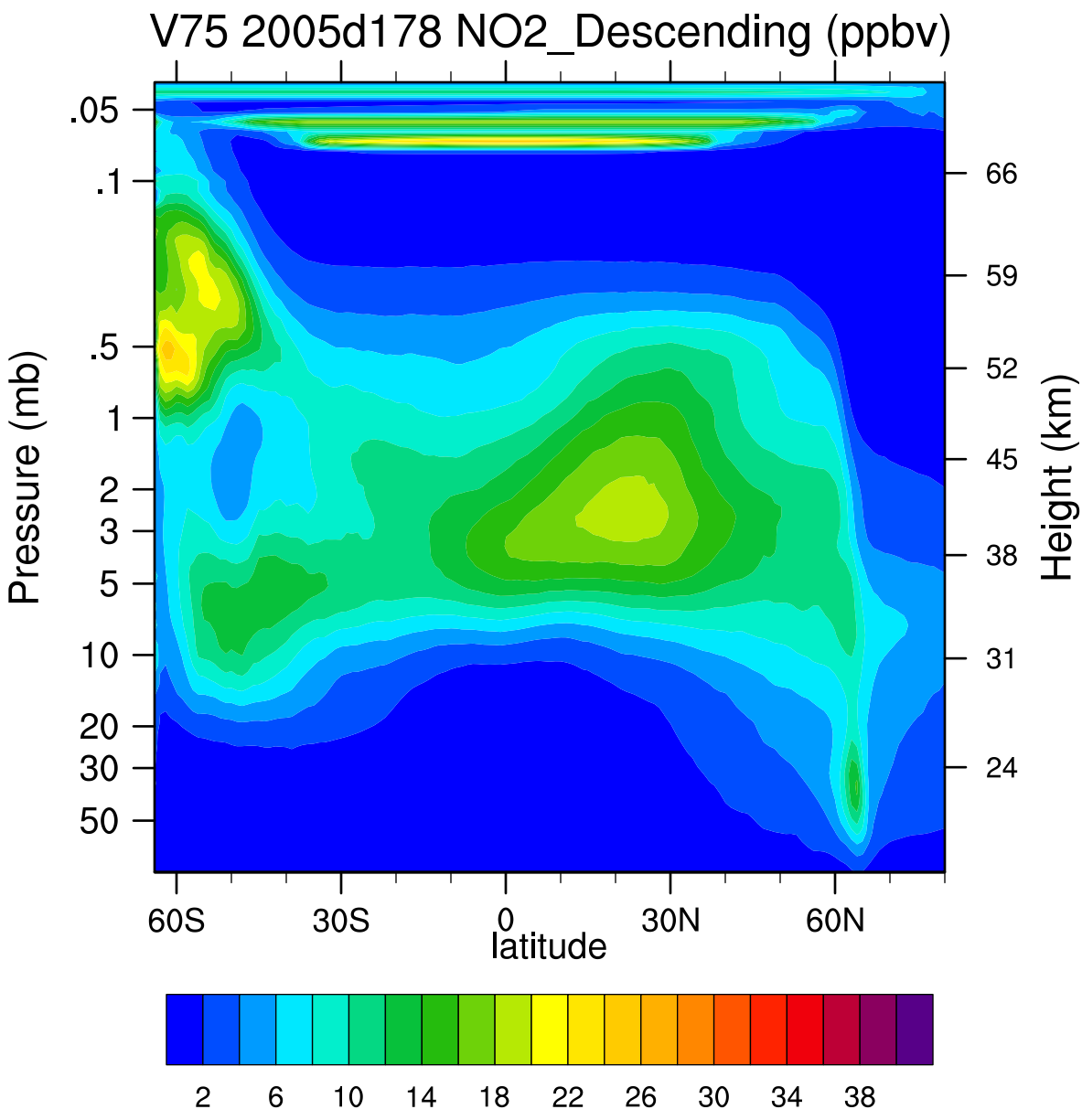
V75 2005d178 NO2_Descending (ppbv)
Pressure (mb)
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.5
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2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
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26
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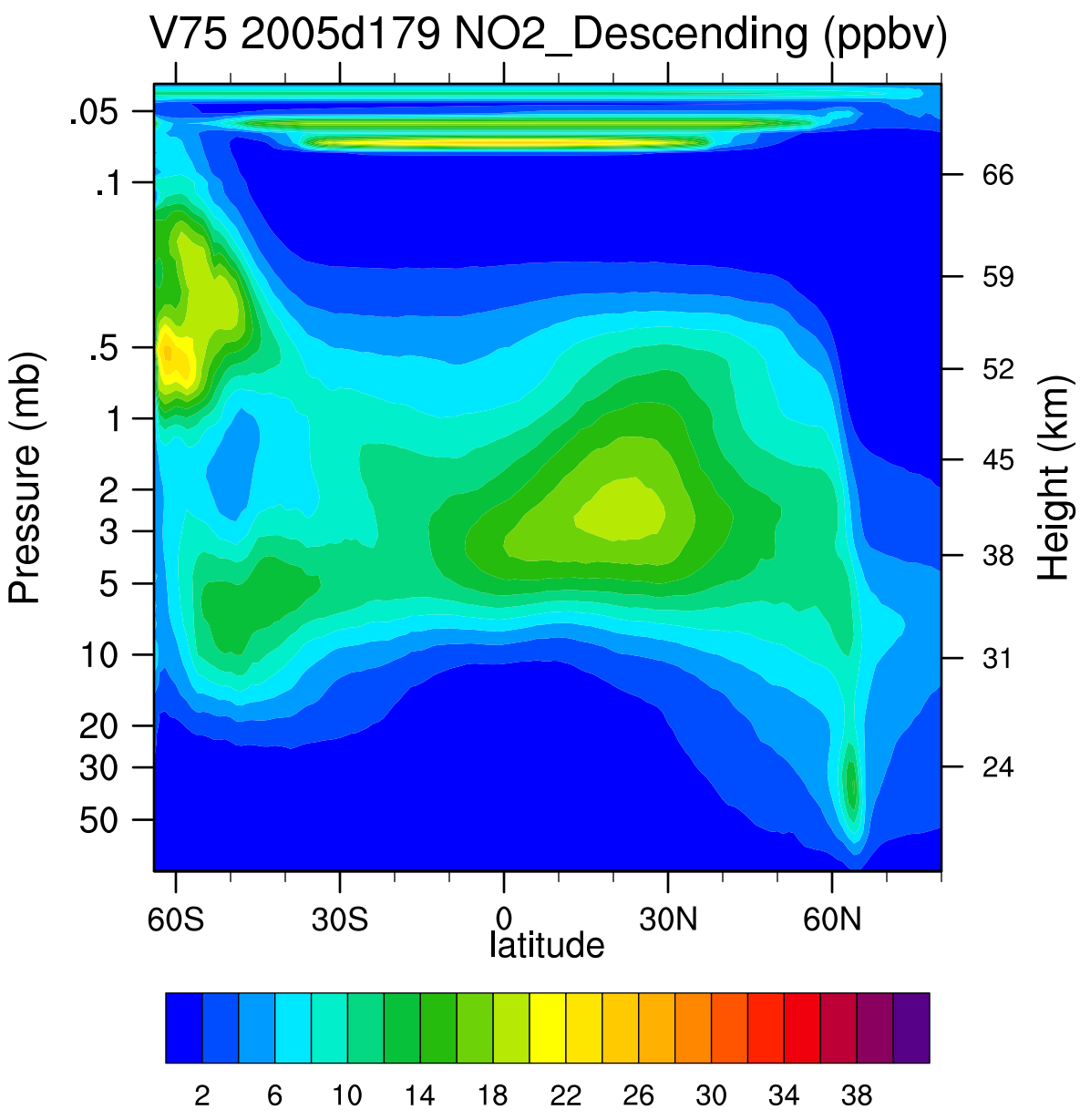
V75 2005d179 NO2_Descending (ppbv)
Pressure (mb)
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.5
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2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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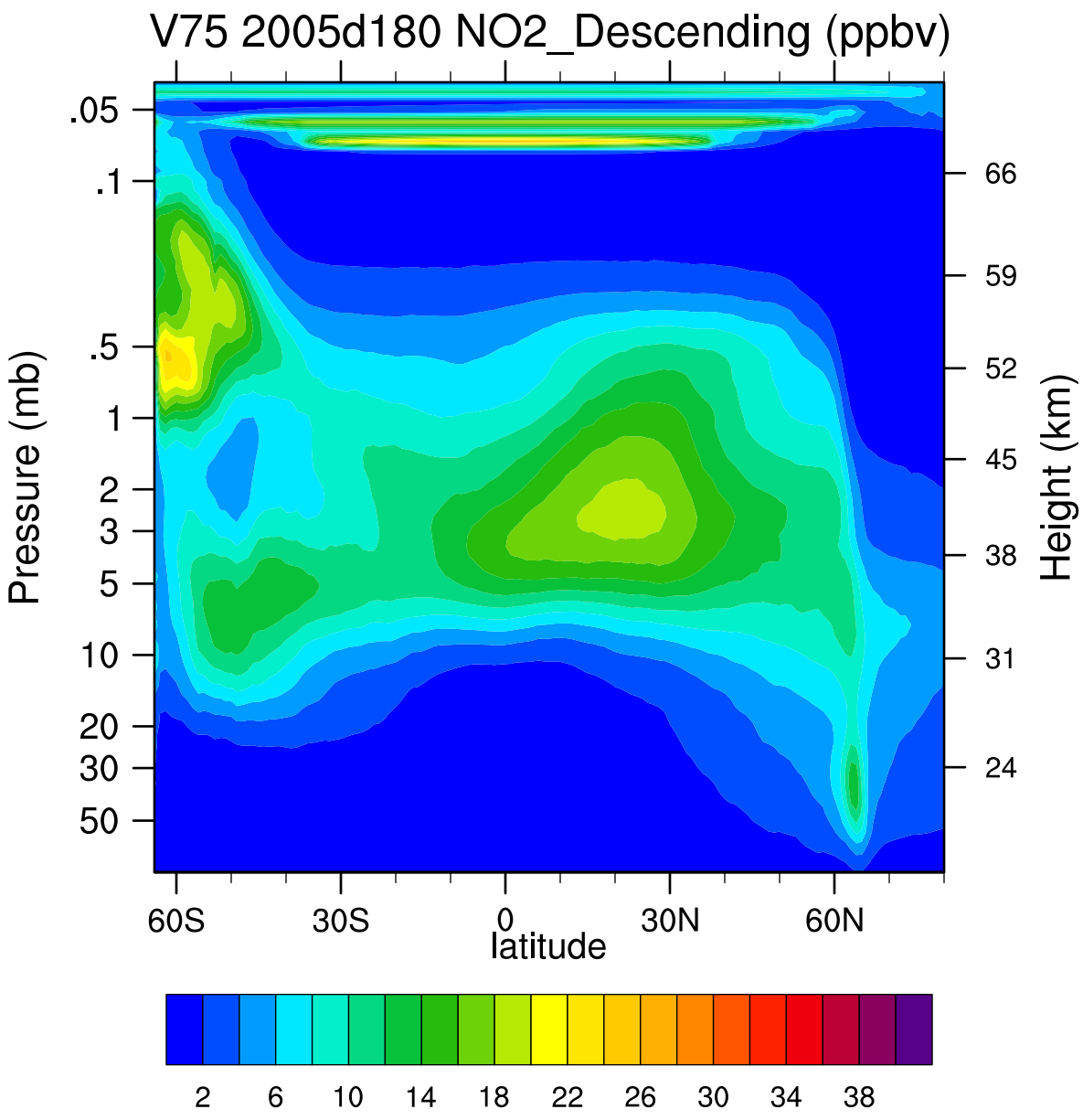
V75 2005d180 NO2_Descending (ppbv)
Pressure (mb)
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2
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5
10
20
30
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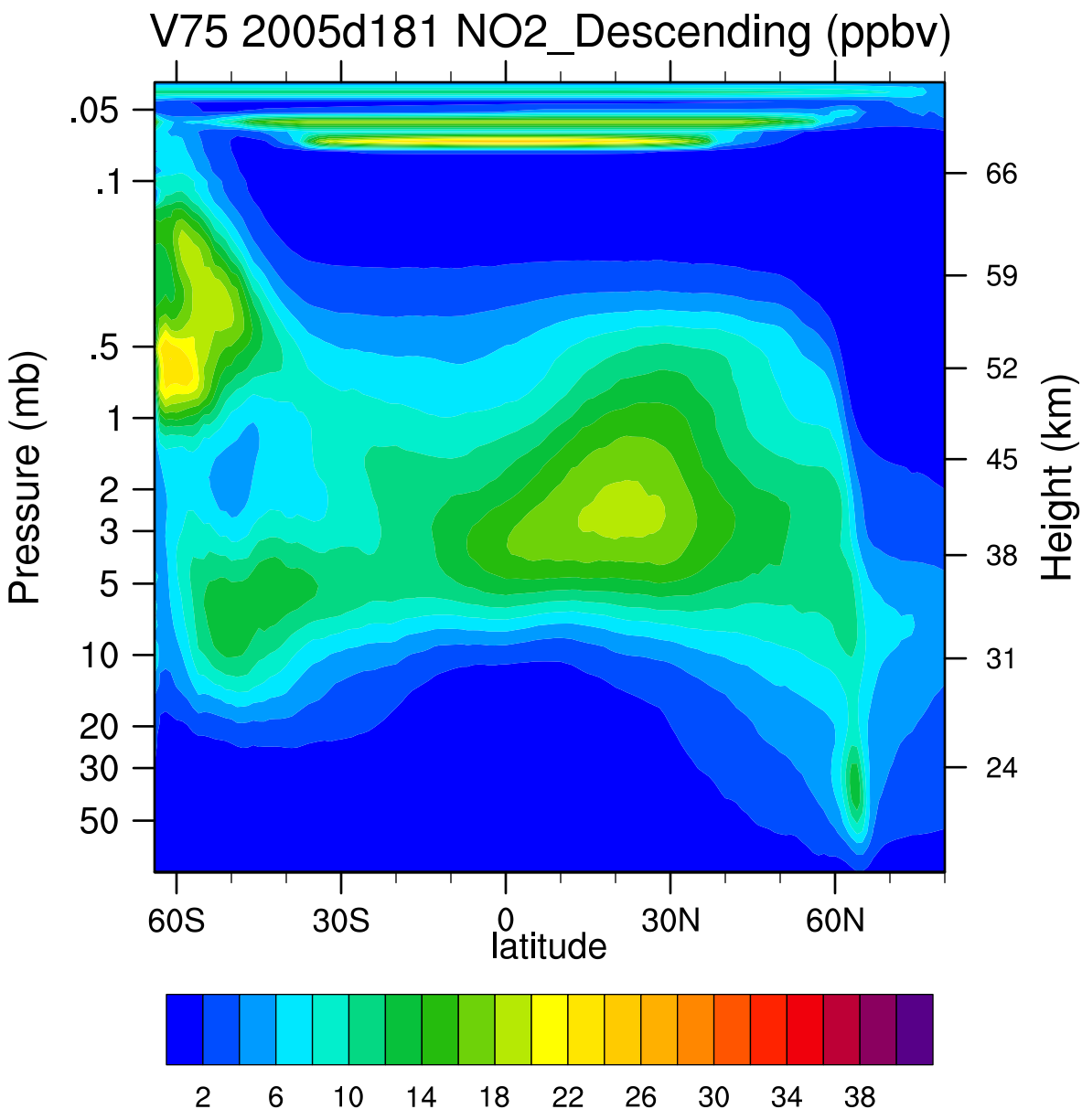
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d181 NO2_Descending (ppbv)
Pressure (mb)
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.5
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2
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5
10
20
30
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Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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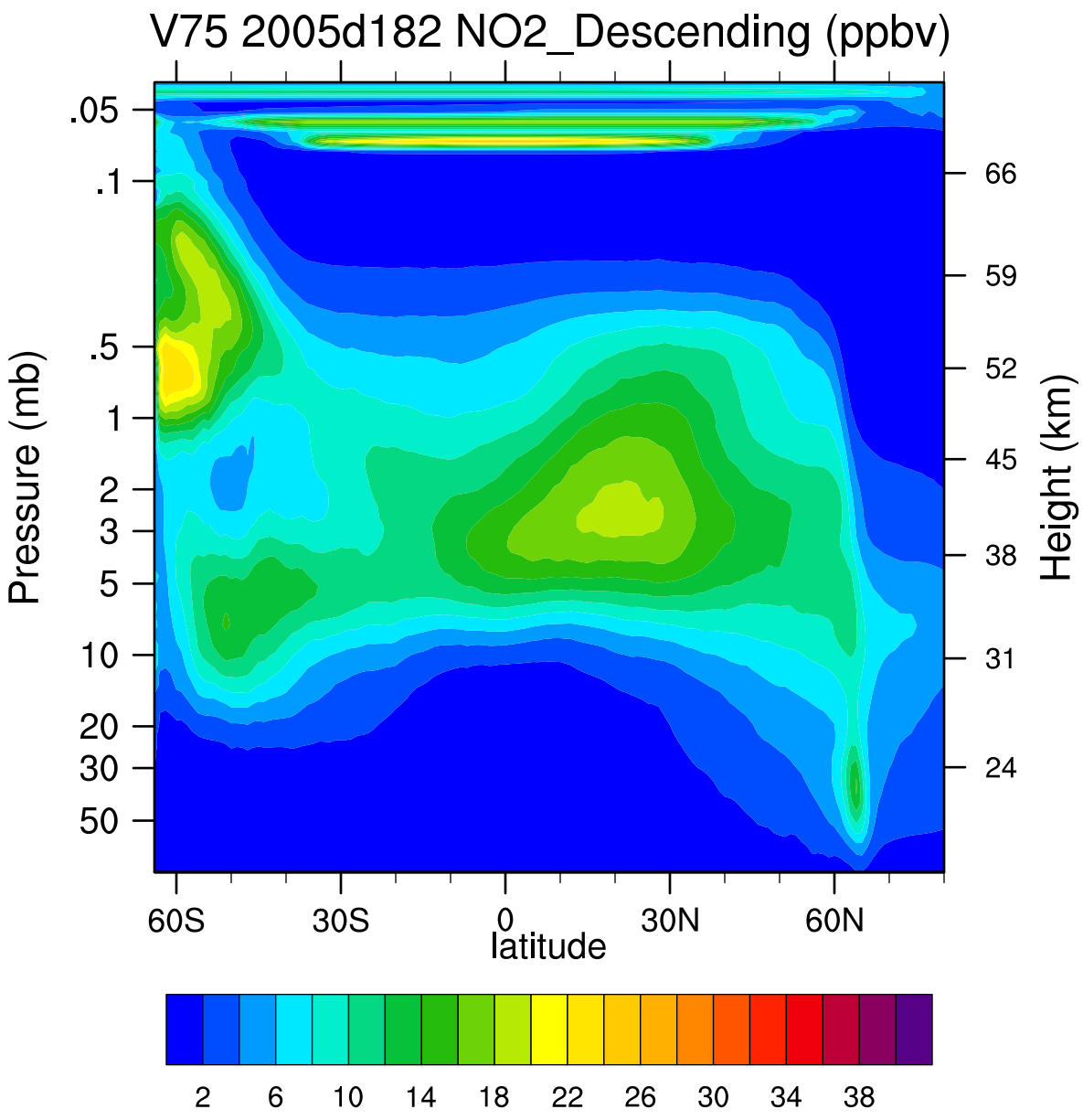
V75 2005d182 NO2_Descending (ppbv)
Pressure (mb)
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5
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Height (km)
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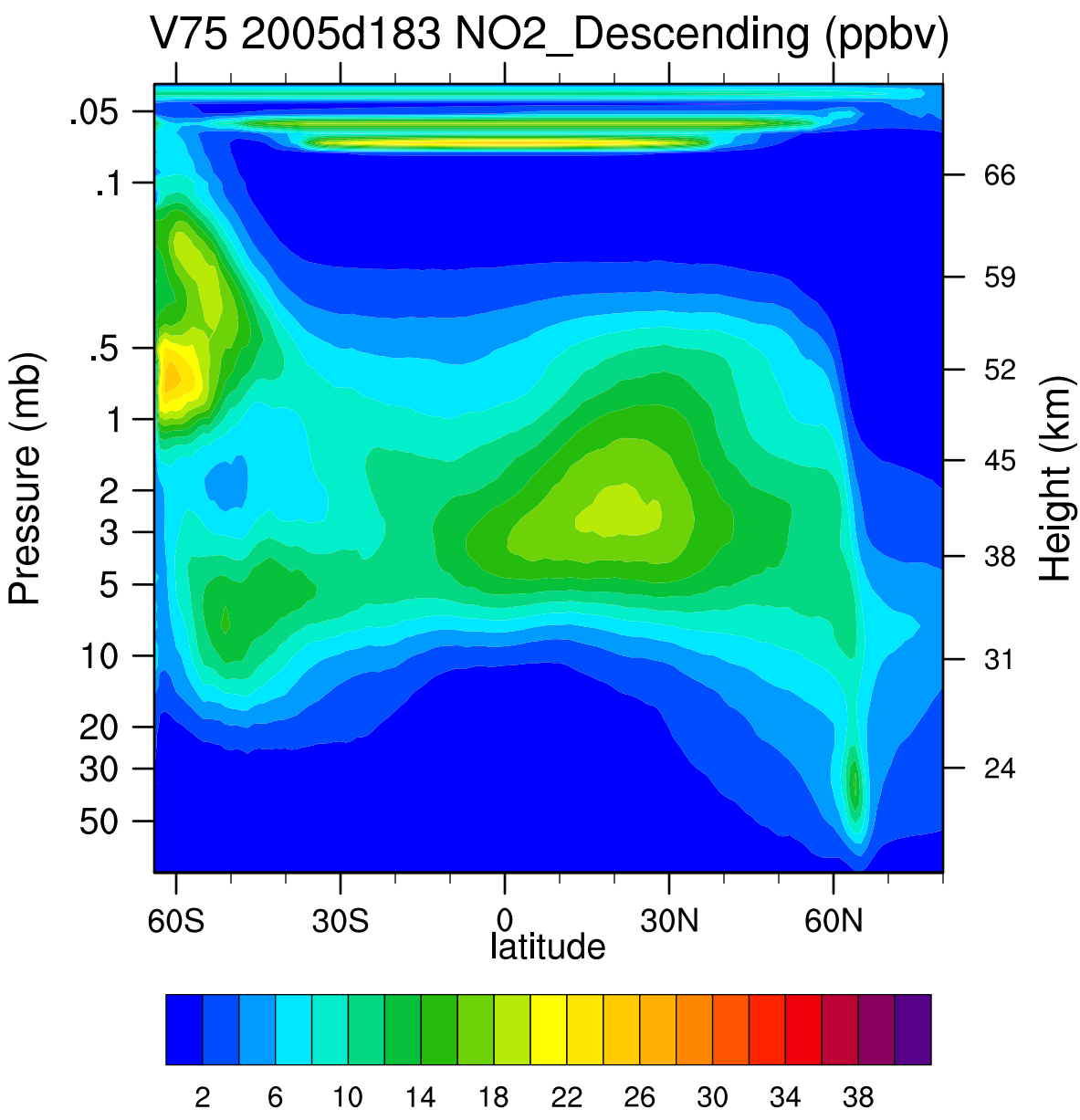
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38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Pressure (mb)
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.5
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5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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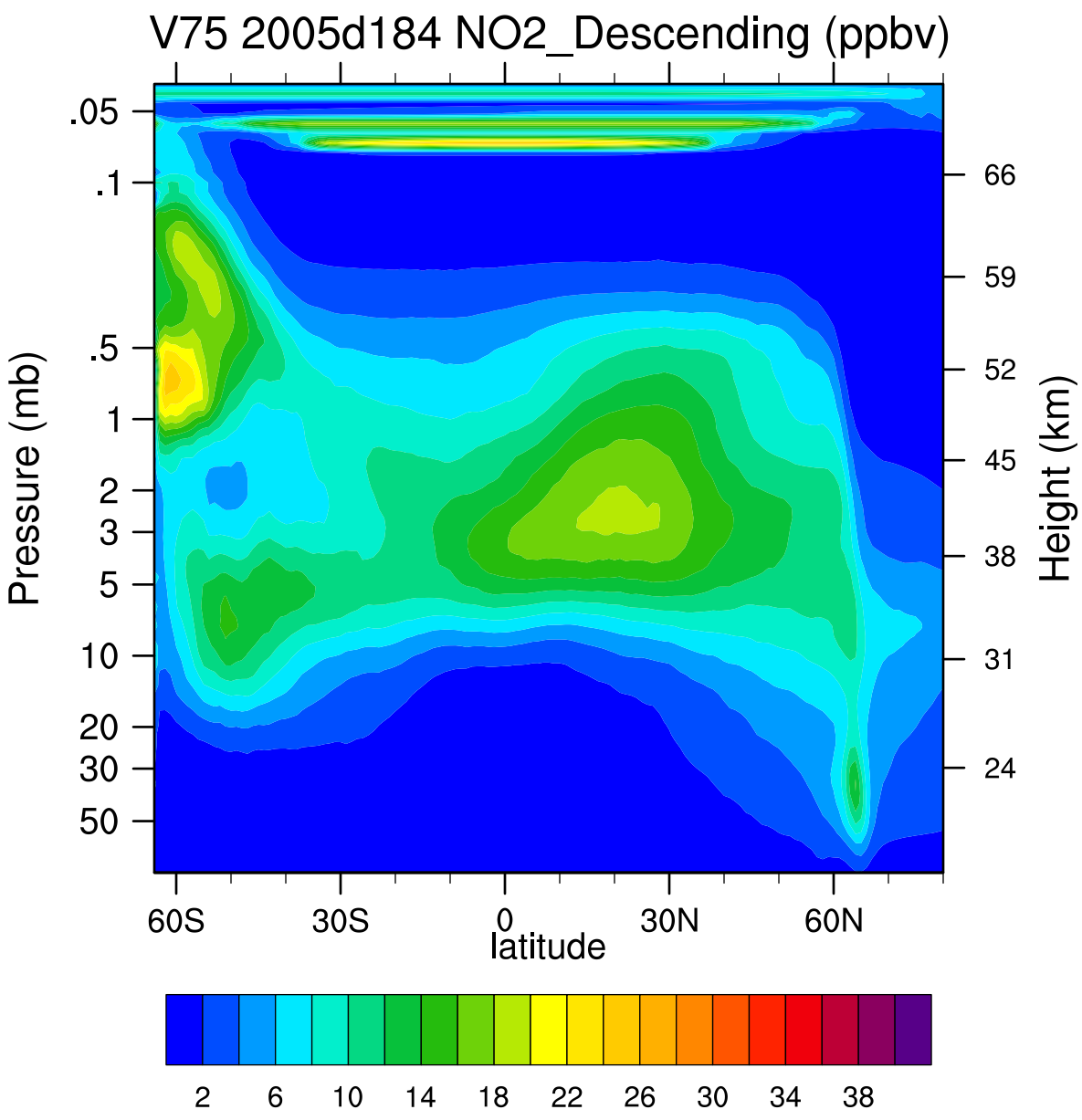
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Pressure (mb)
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.5
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2
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5
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Height (km)
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59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
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10
14
18
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26
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34
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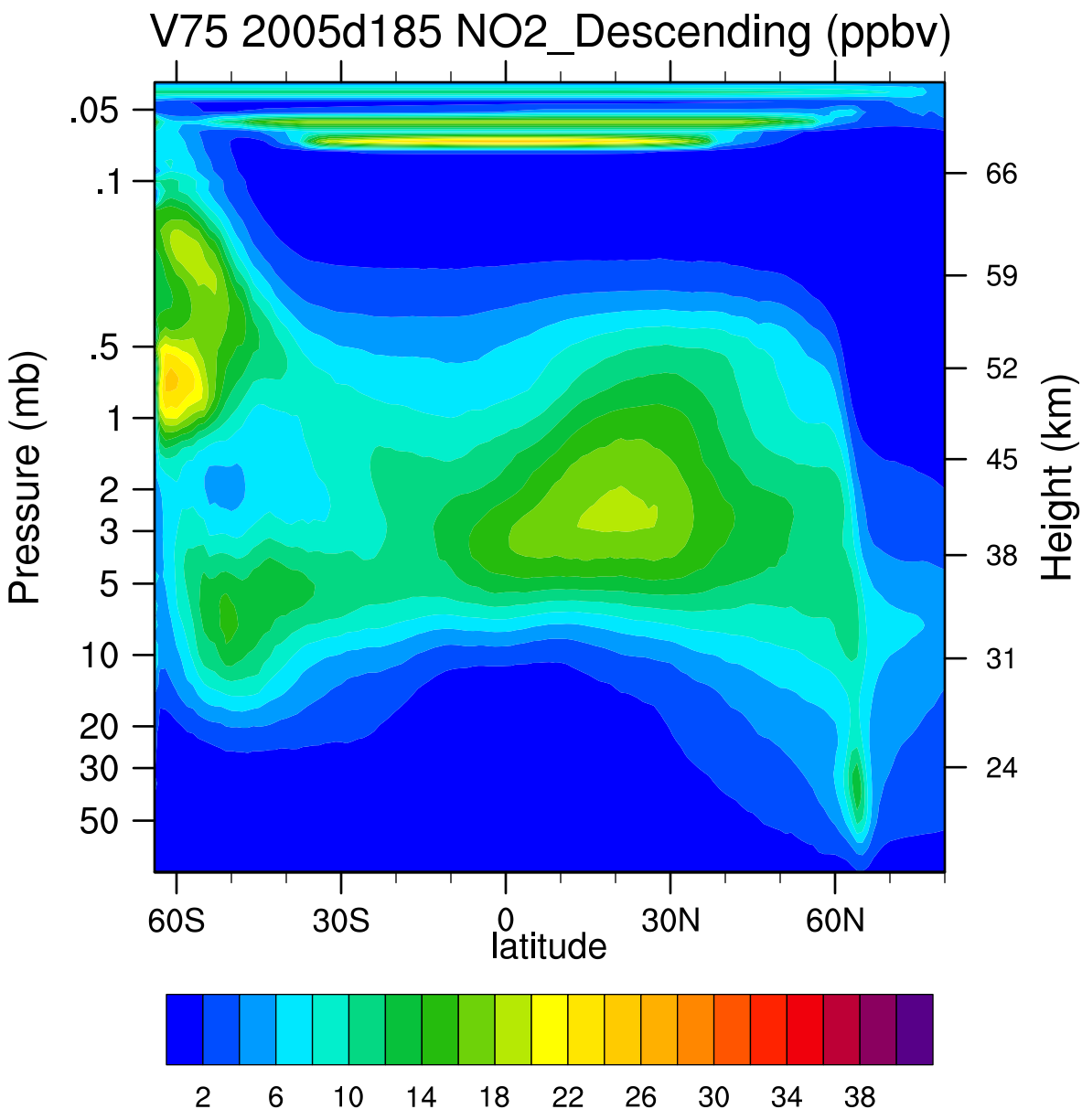
V75 2005d185 NO2_Descending (ppbv)
Pressure (mb)
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Height (km)
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59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
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34
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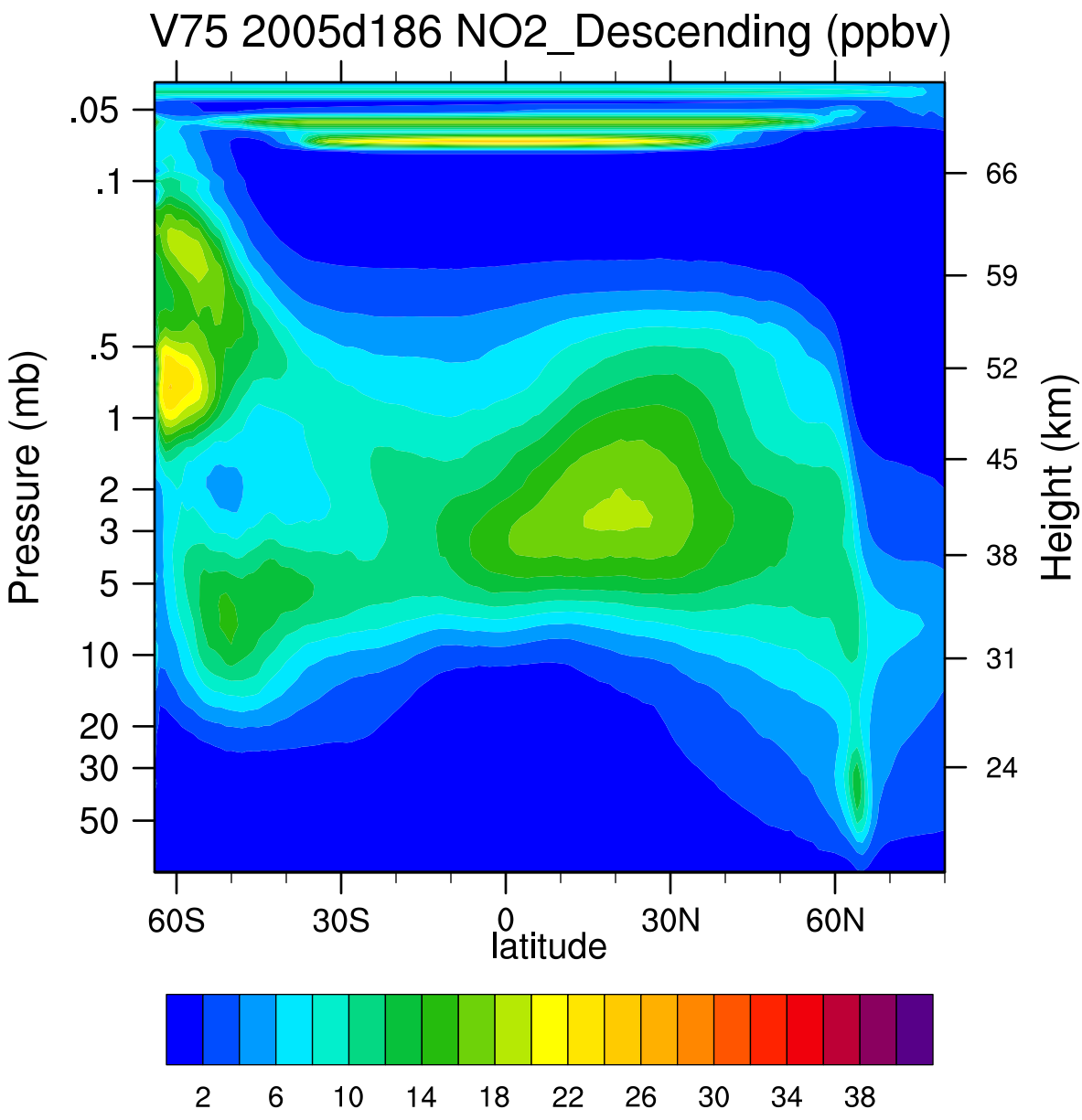
V75 2005d186 NO2_Descending (ppbv)
Pressure (mb)
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Height (km)
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59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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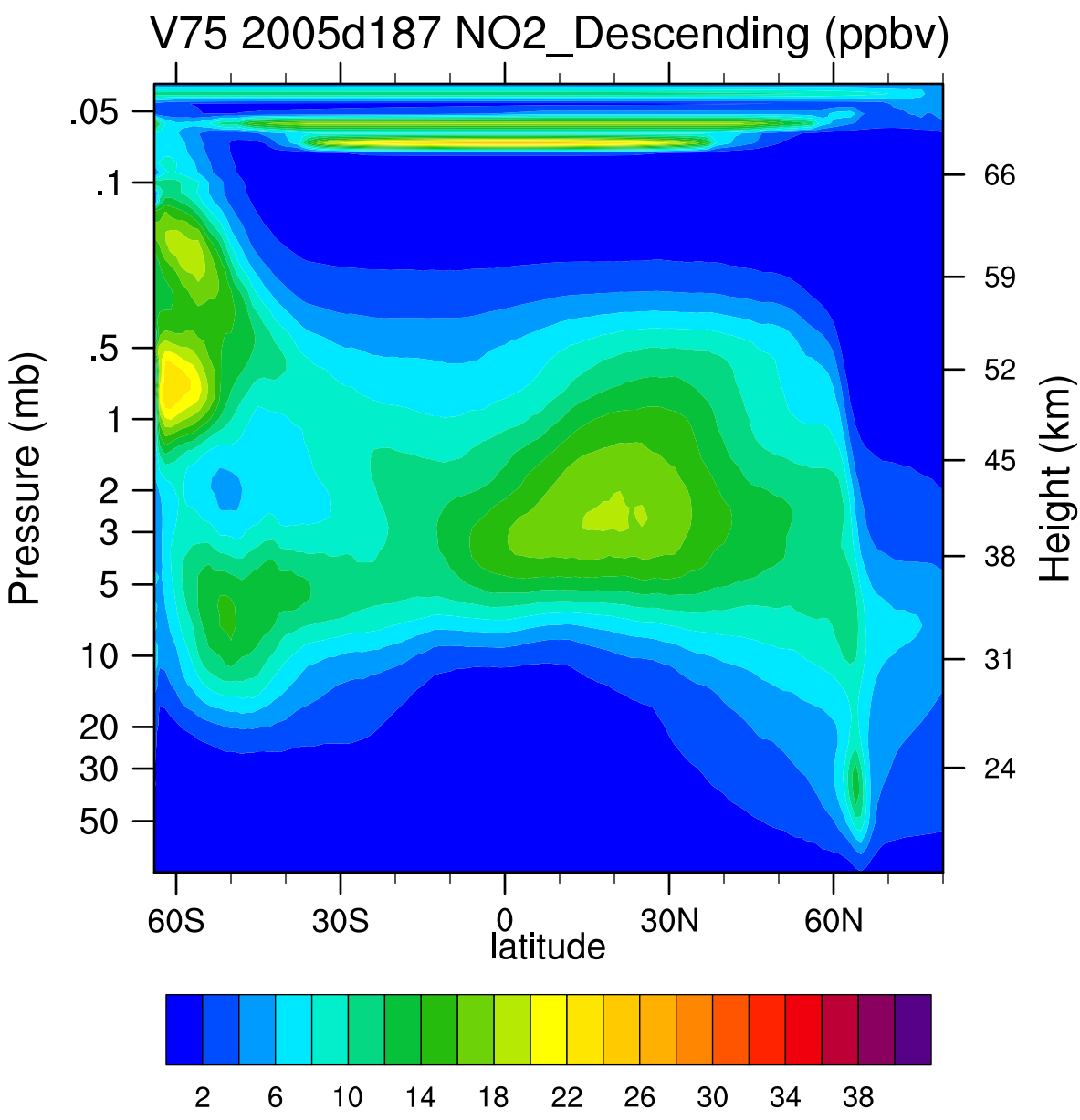
V75 2005d187 NO2_Descending (ppbv)
Pressure (mb)
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5
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Height (km)
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59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
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34
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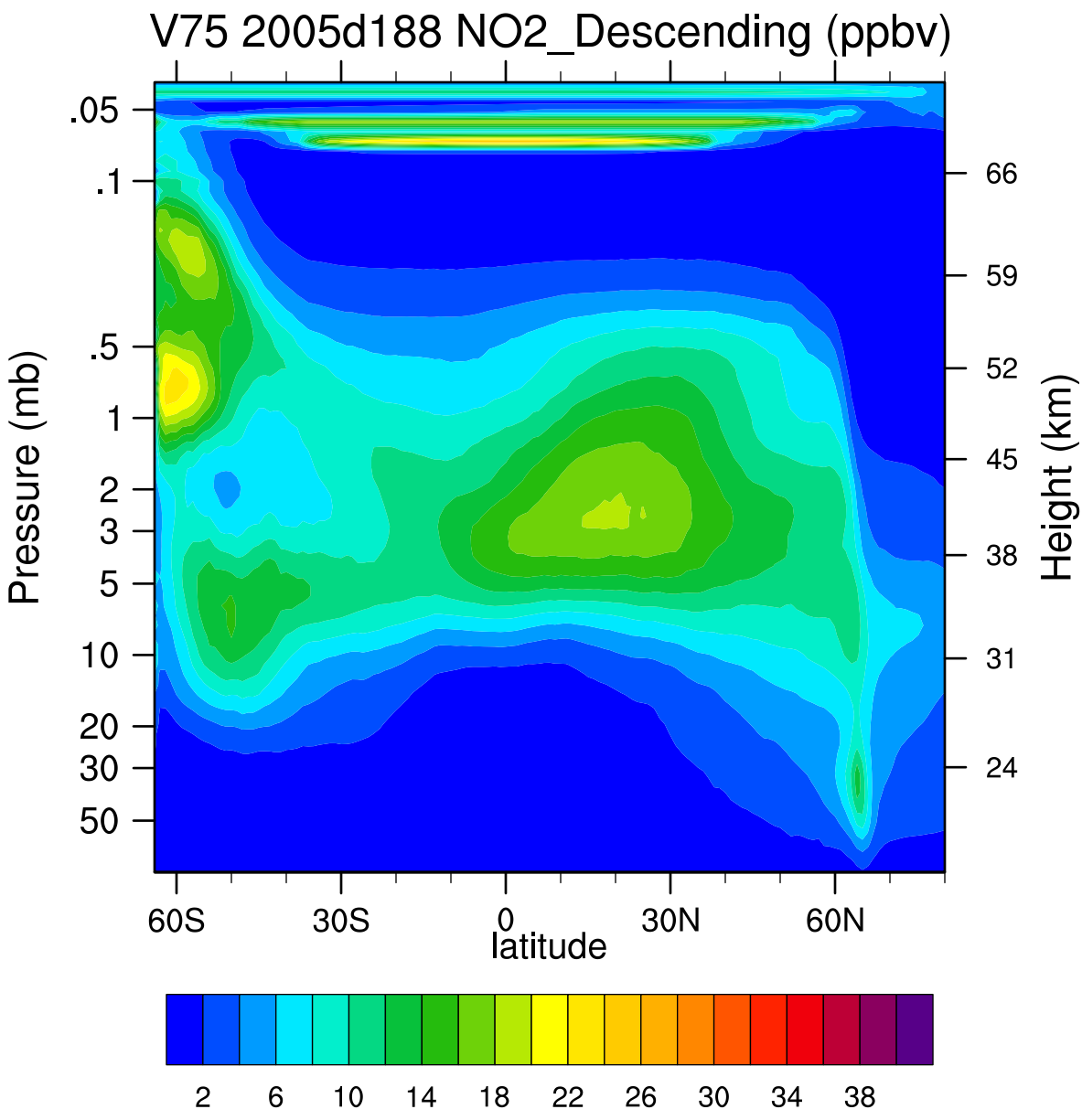
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Pressure (mb)
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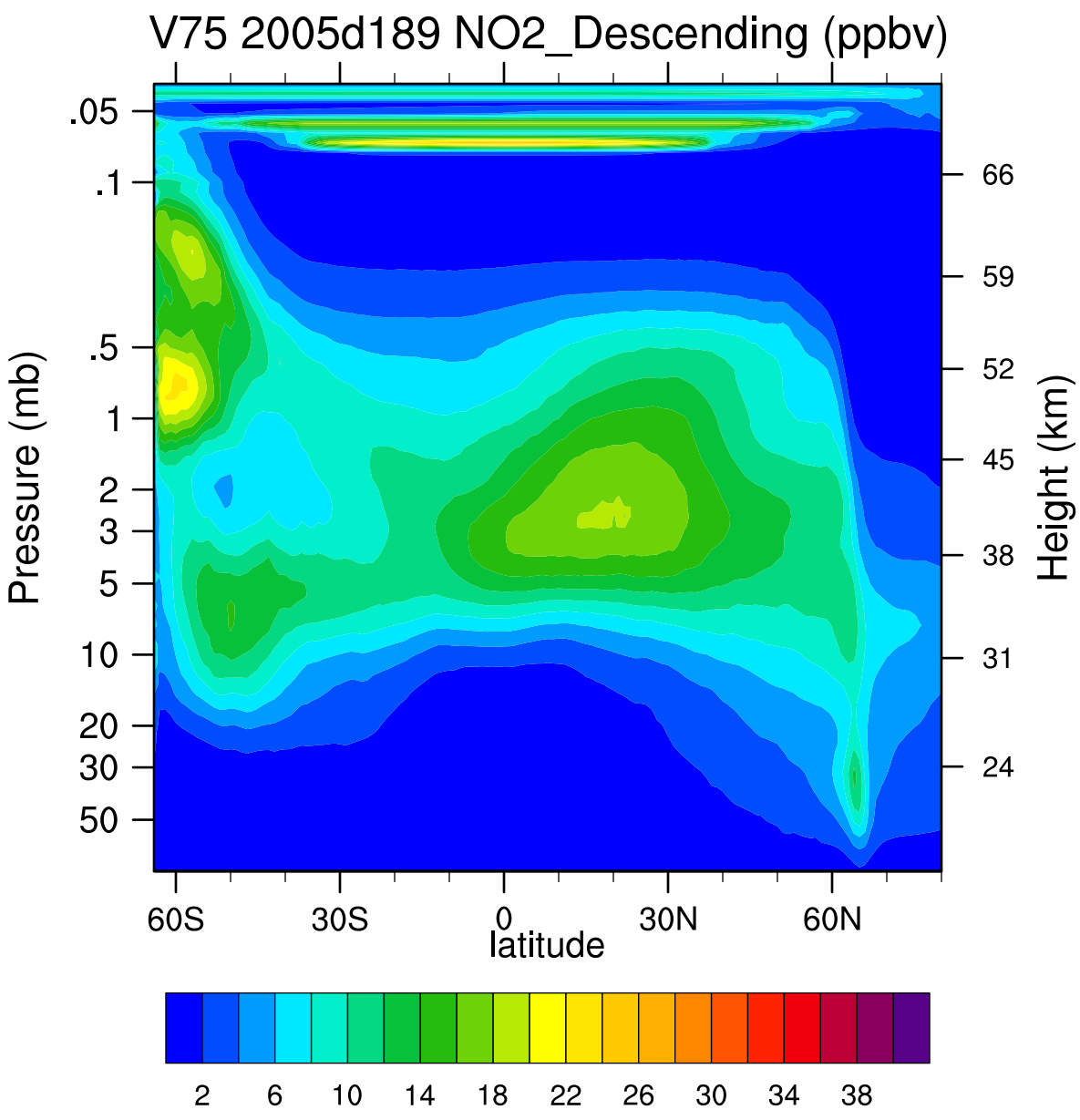
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d189 NO2_Descending (ppbv)
Pressure (mb)
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5
10
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30
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Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
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34
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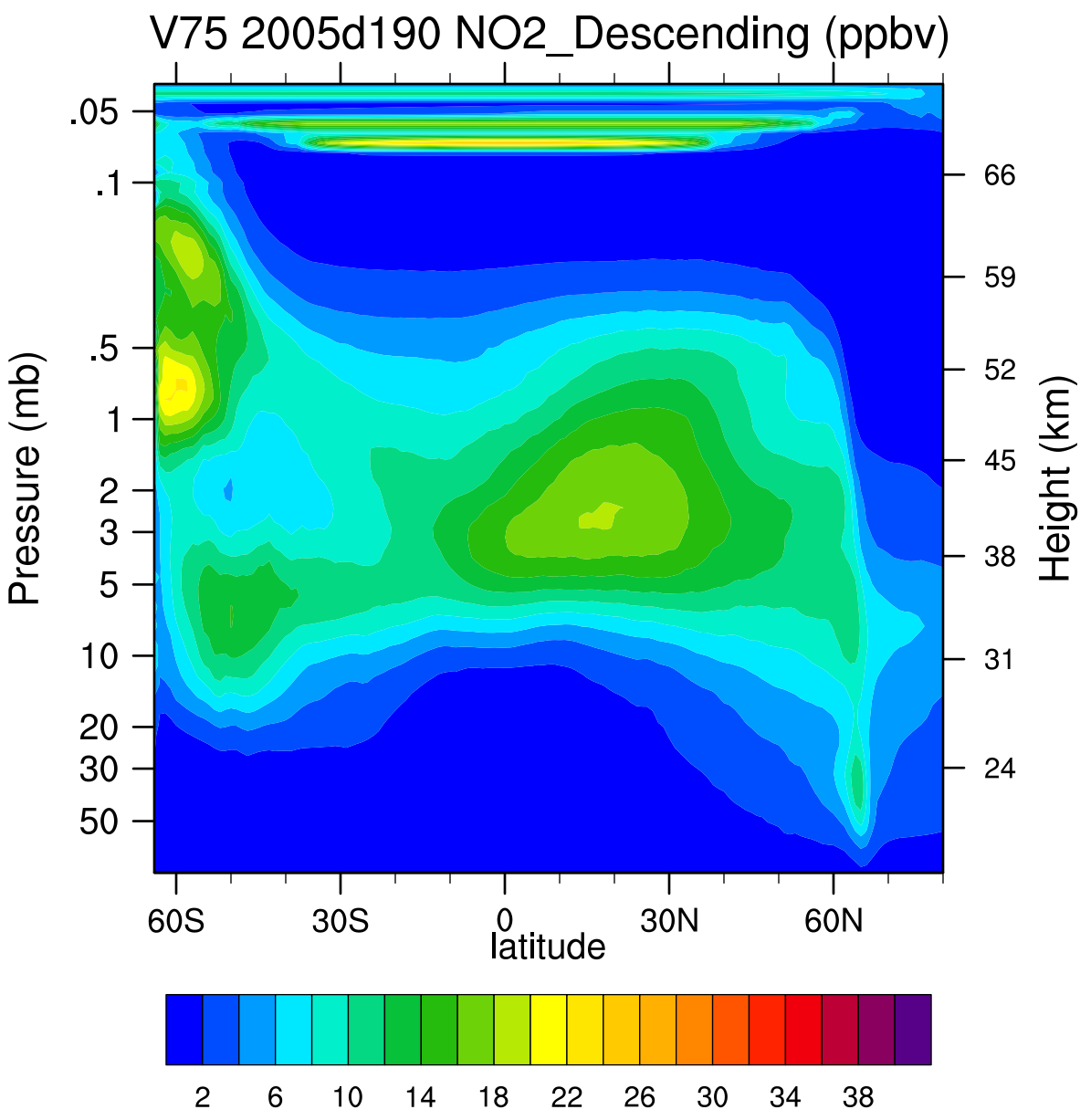
V75 2005d190 NO2_Descending (ppbv)
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30
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Pressure (mb)
66
59
52
45
38
31
24
Height (km)
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30S
0
30N
60N
latitude
2
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10
14
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26
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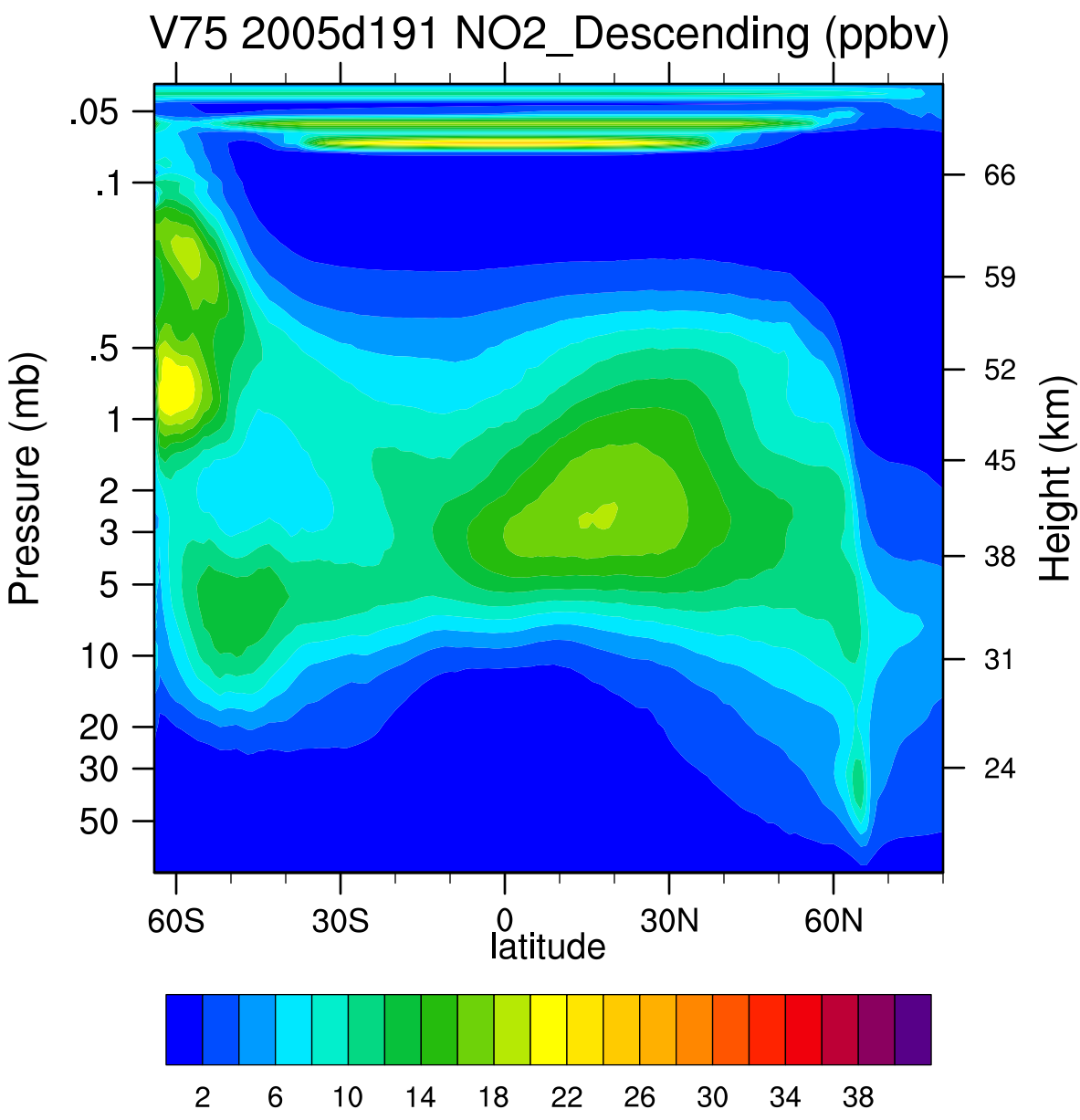
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Pressure (mb)
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20
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Height (km)
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59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
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14
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26
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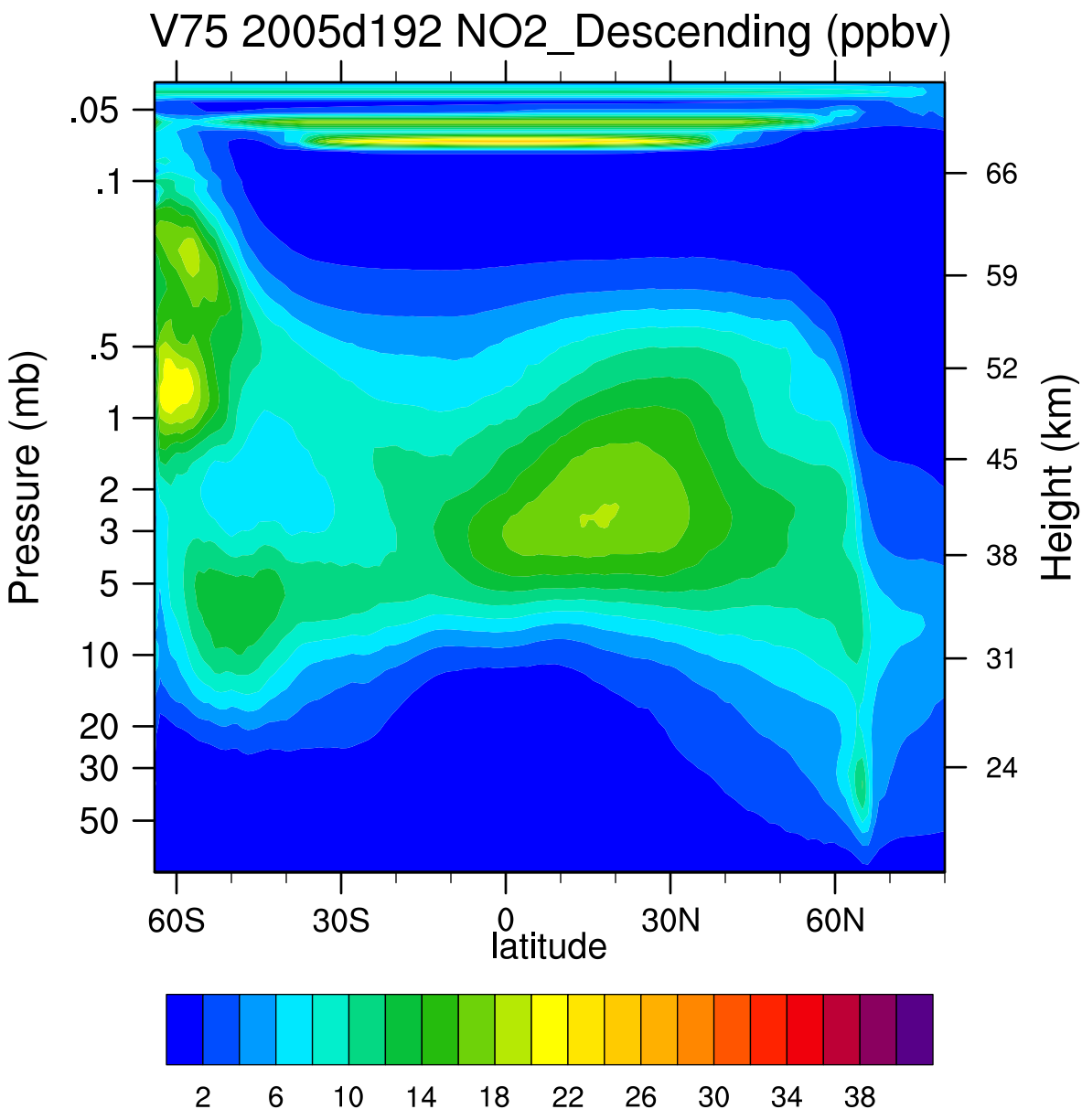
V75 2005d192 NO2_Descending (ppbv)
Pressure (mb)
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5
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30
50
Height (km)
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59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
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34
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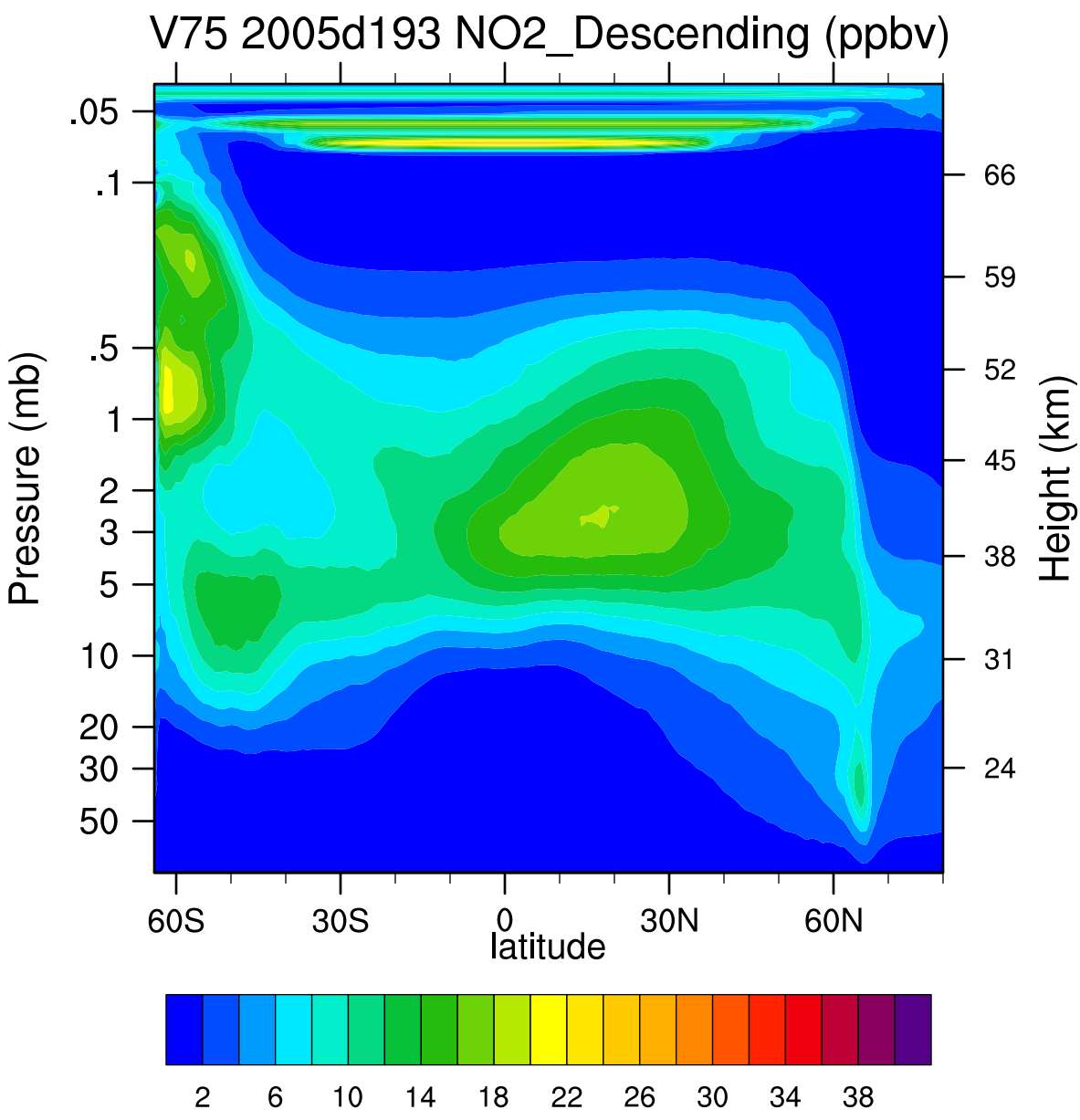
V75 2005d193 NO2_Descending (ppbv)
Pressure (mb)
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.5
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2
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5
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20
30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
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14
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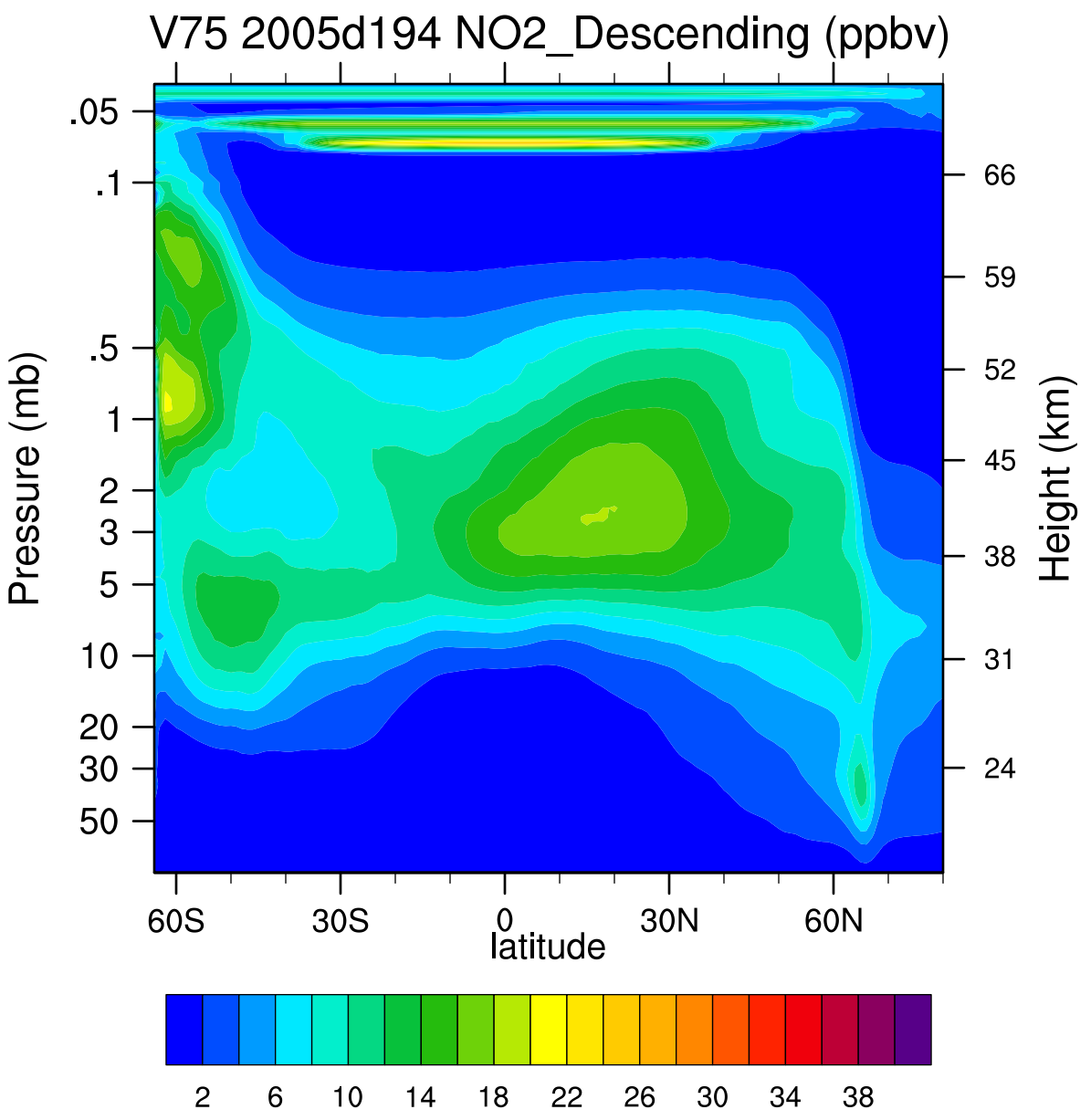
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Pressure (mb)
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.5
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2
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5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
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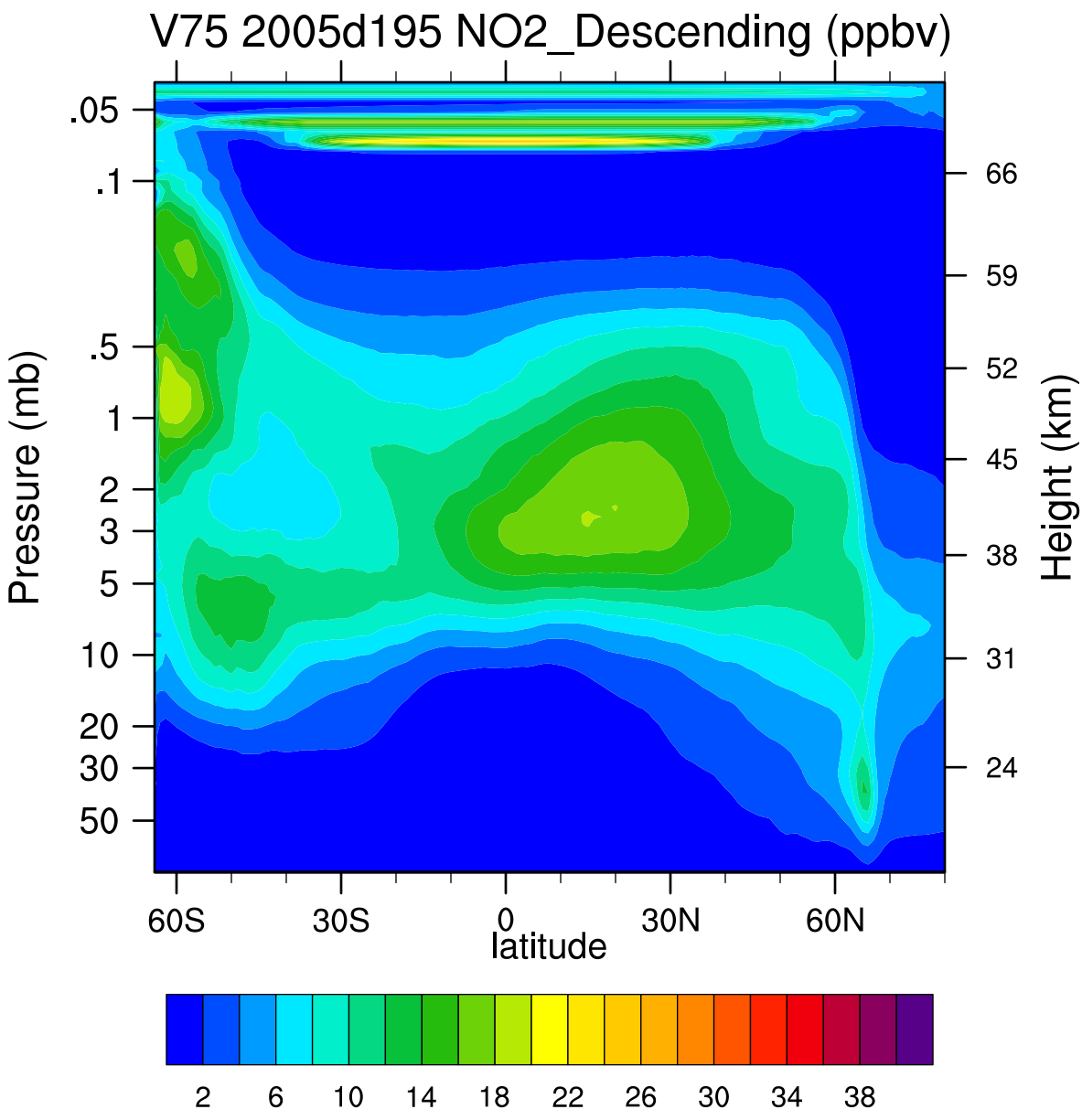
38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Pressure (mb)
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.5
1
2
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5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
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14
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22
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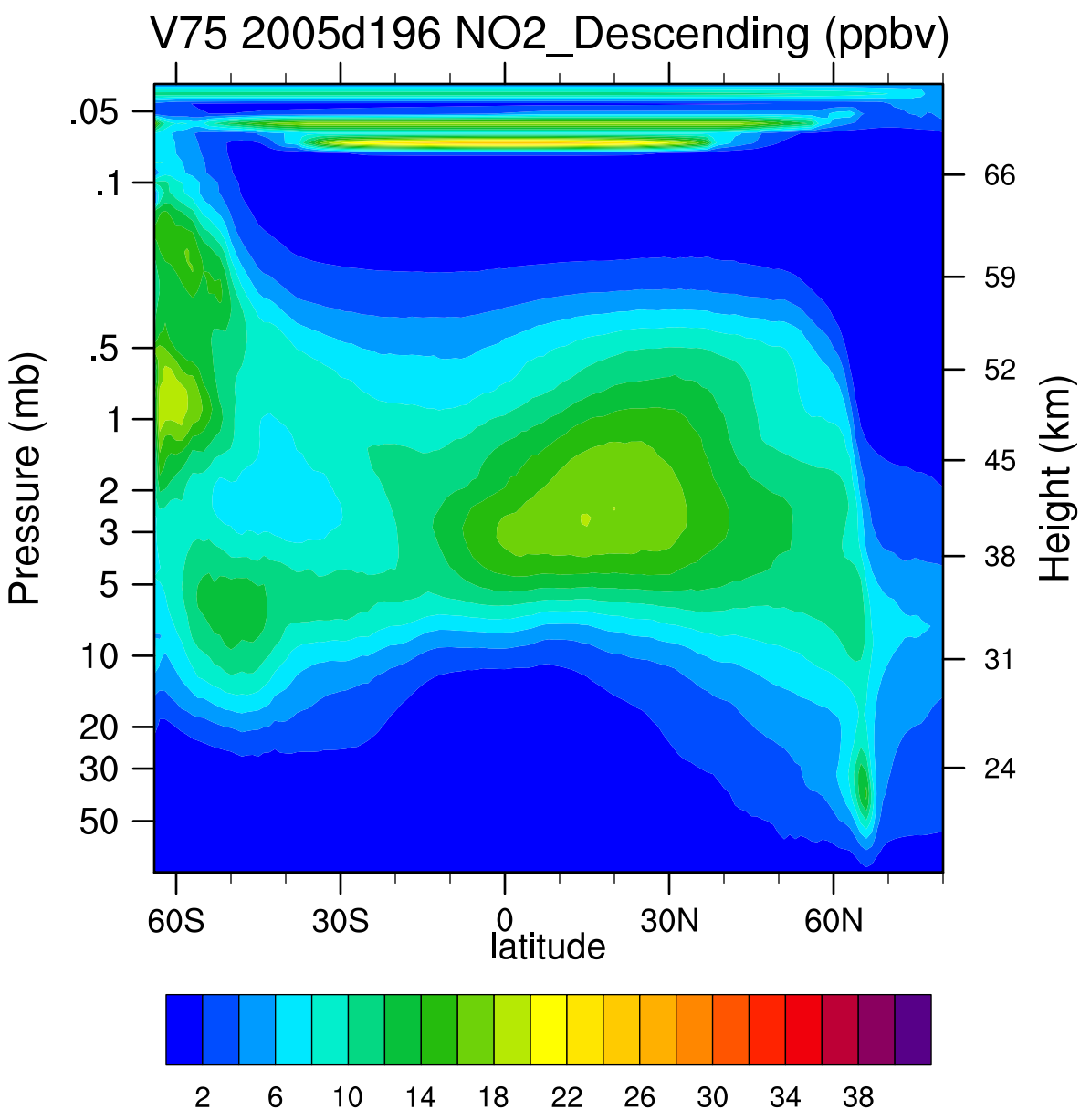
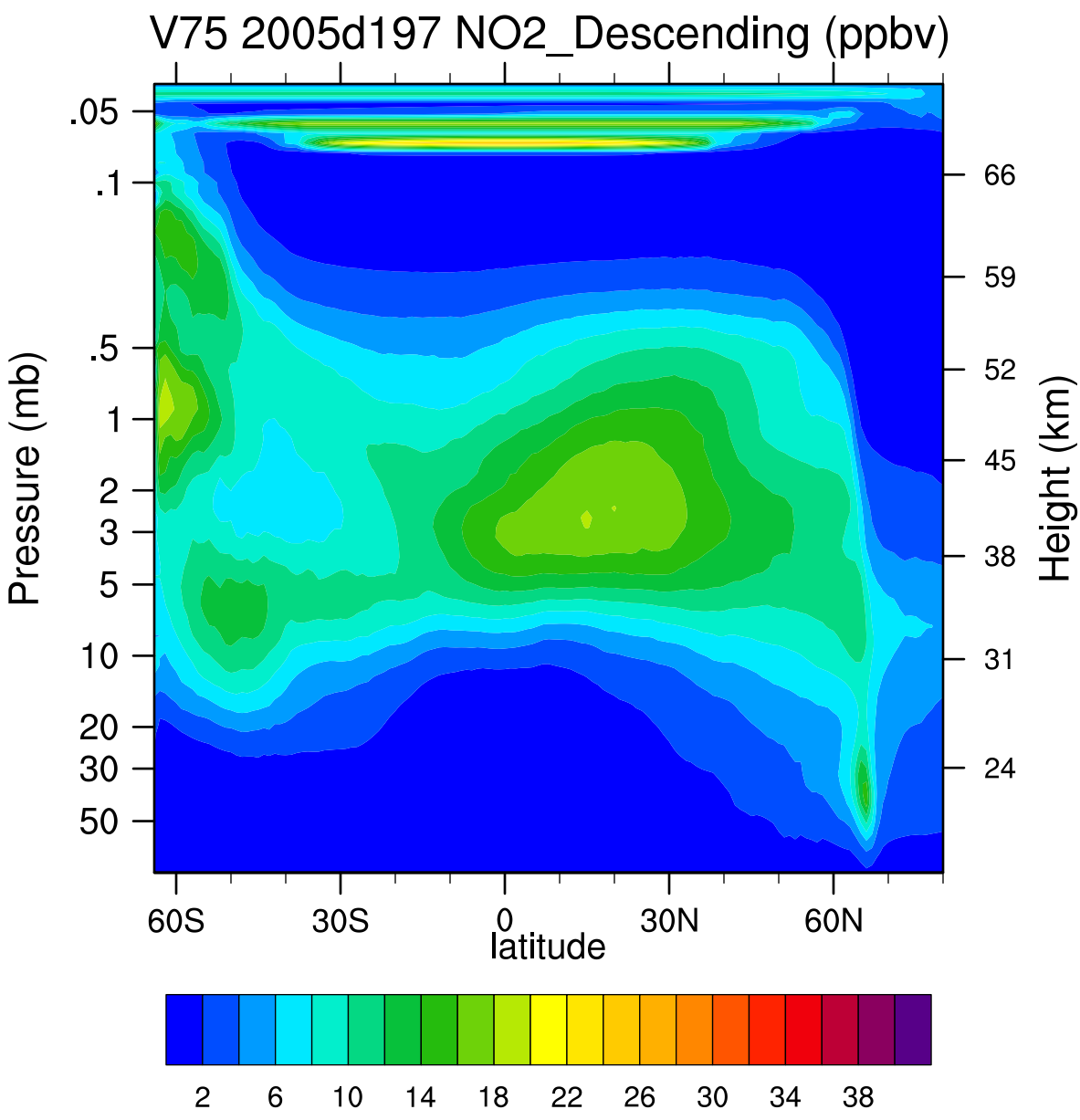
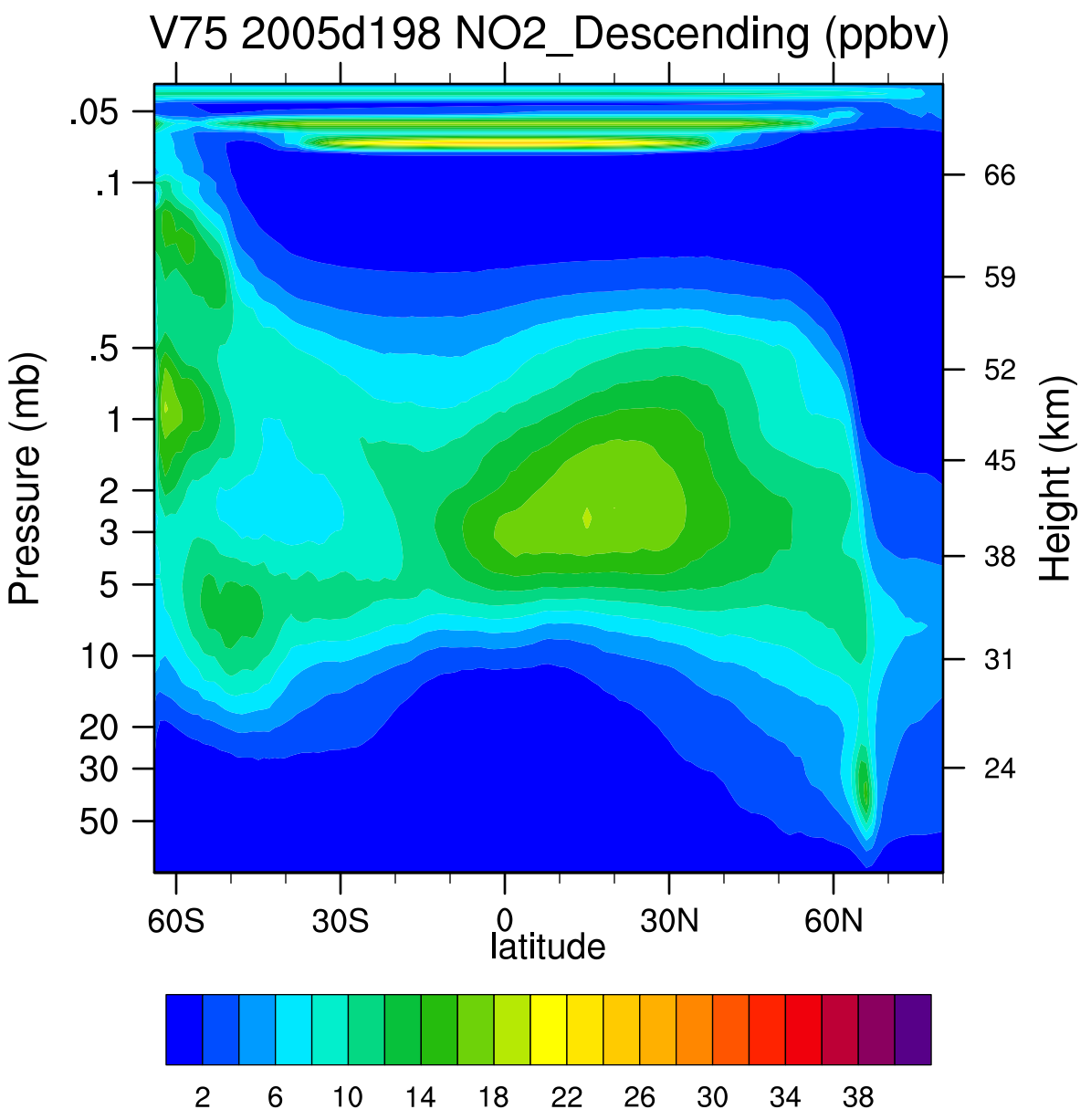
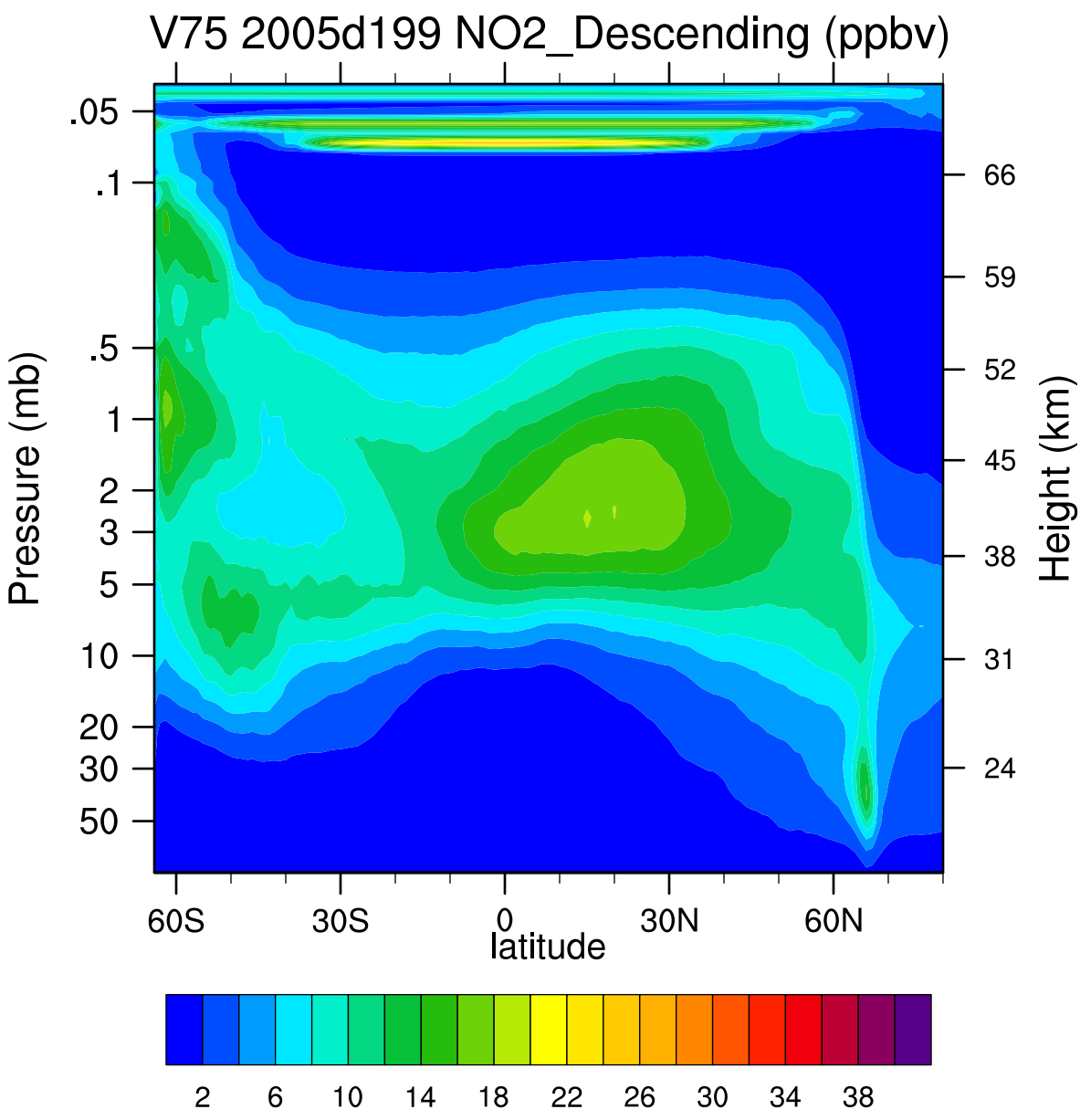
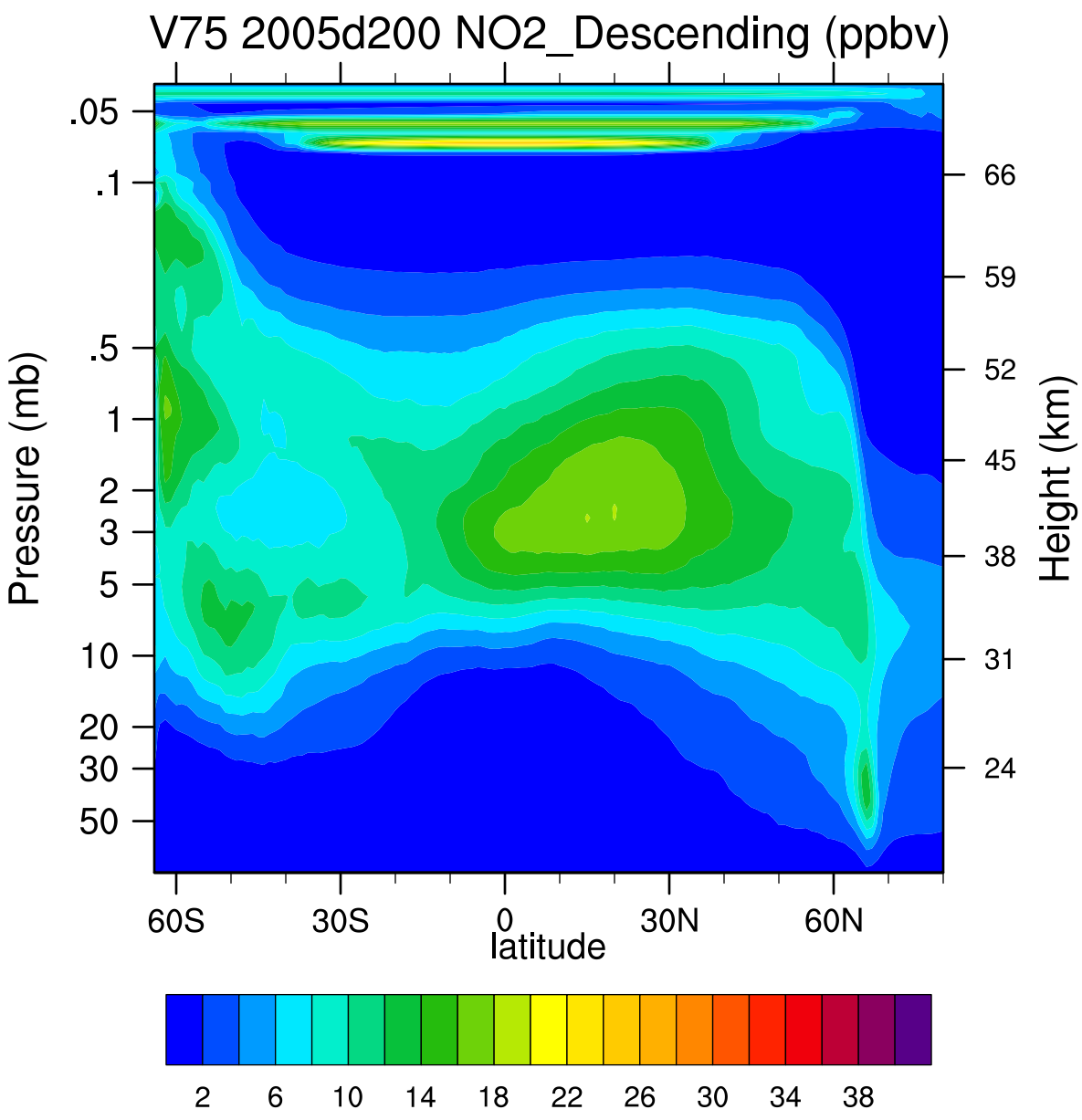
34
38


V75 2005d196 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d197 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d198 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d199 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d200 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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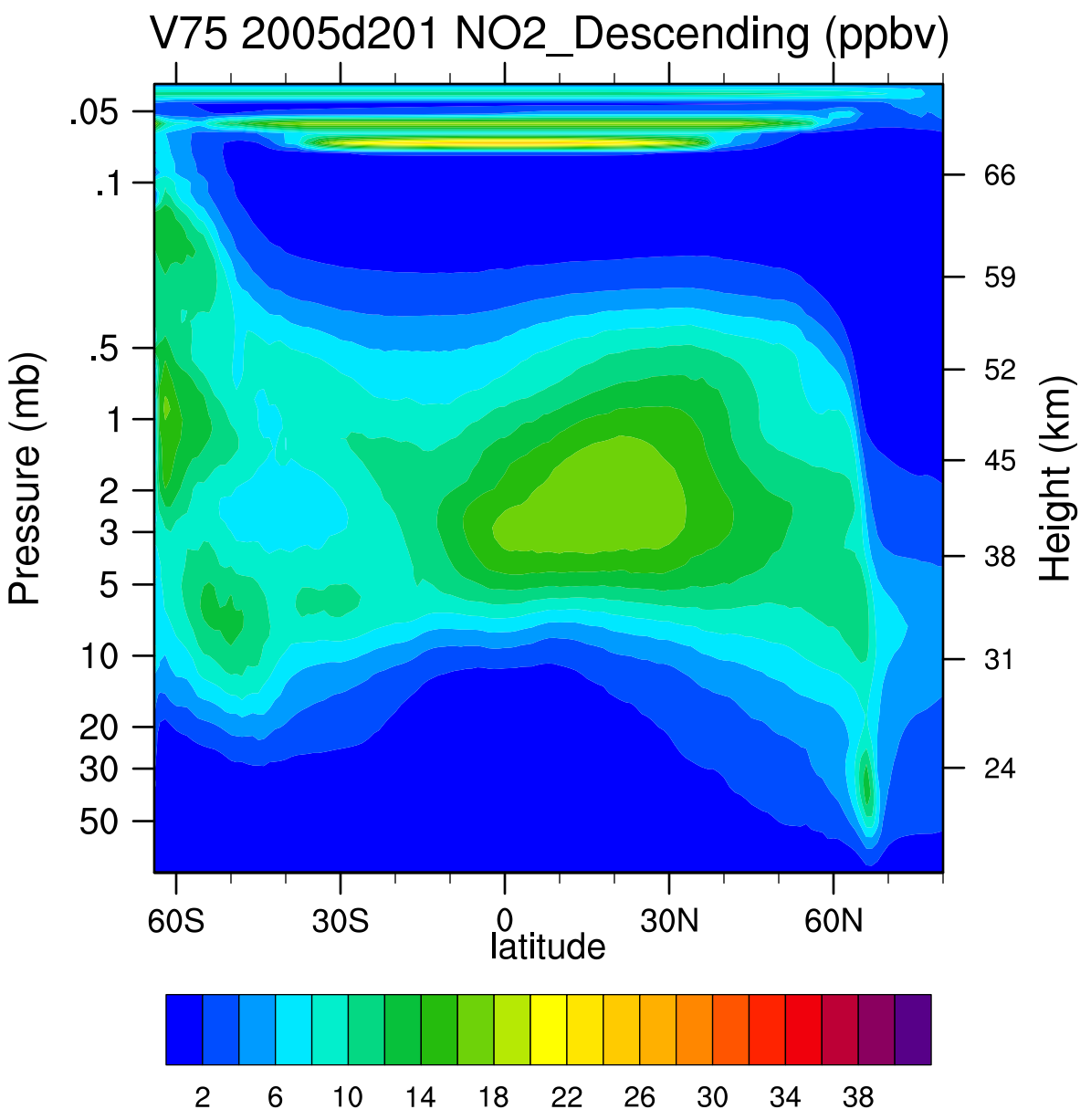
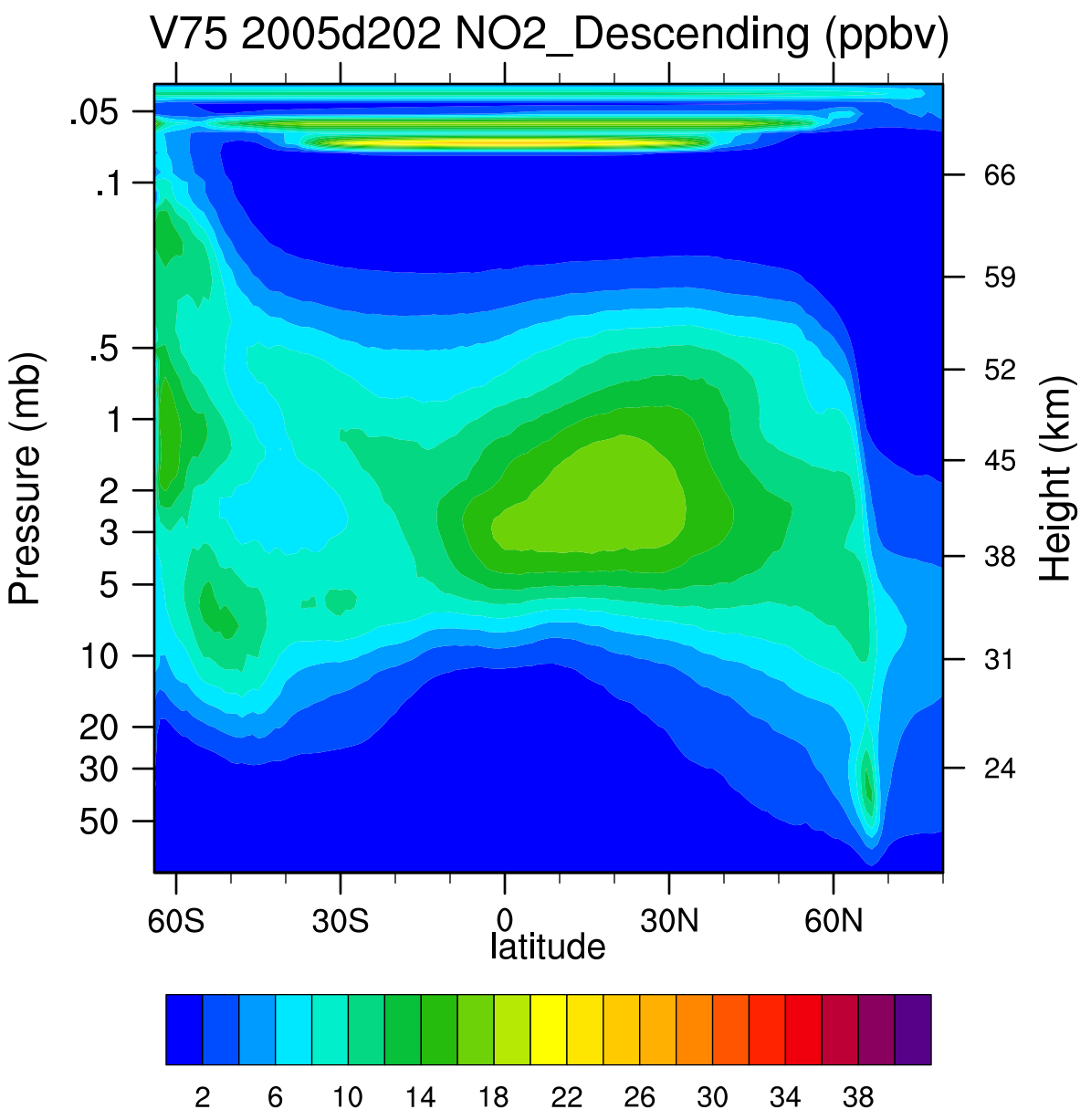
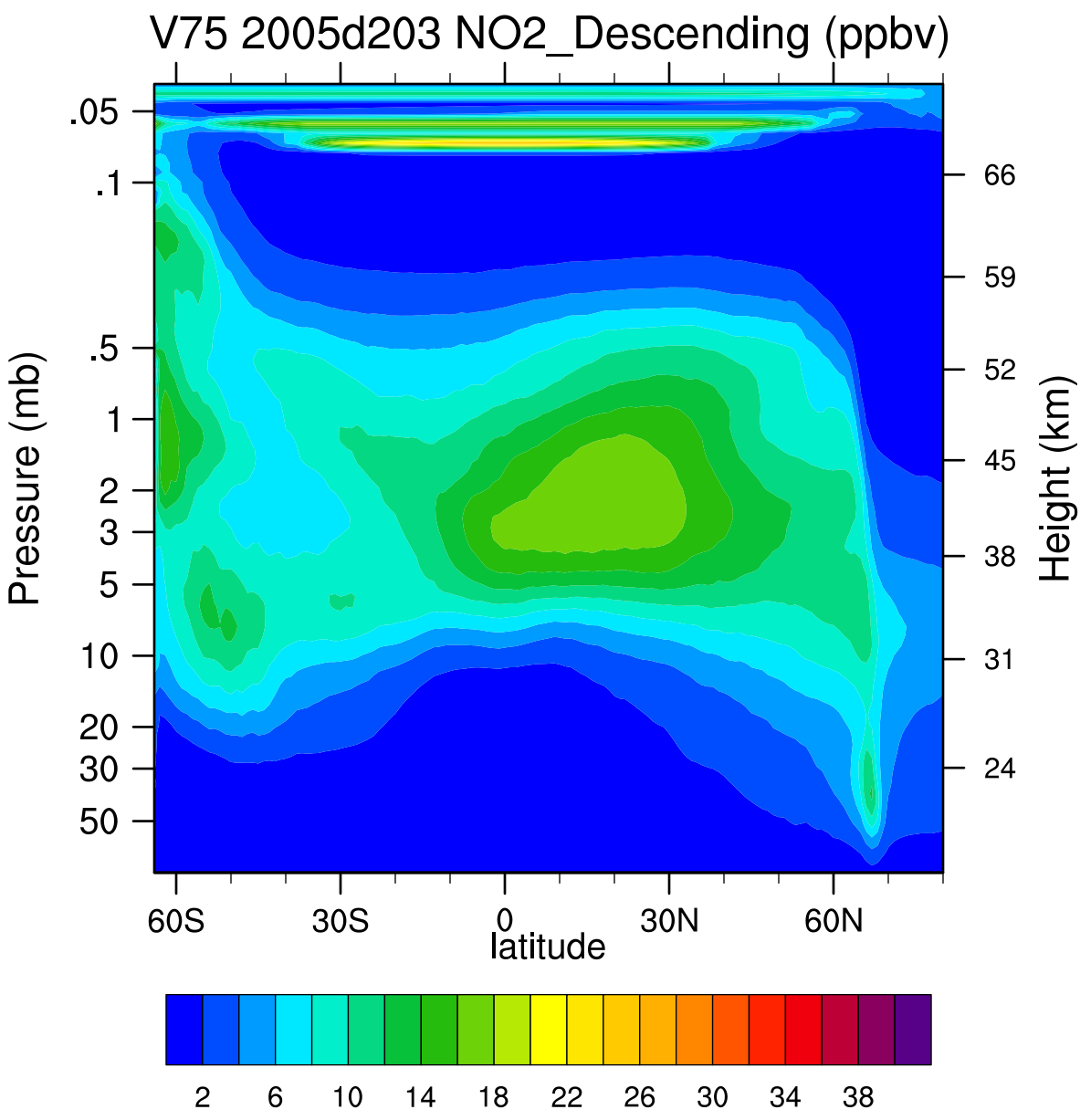
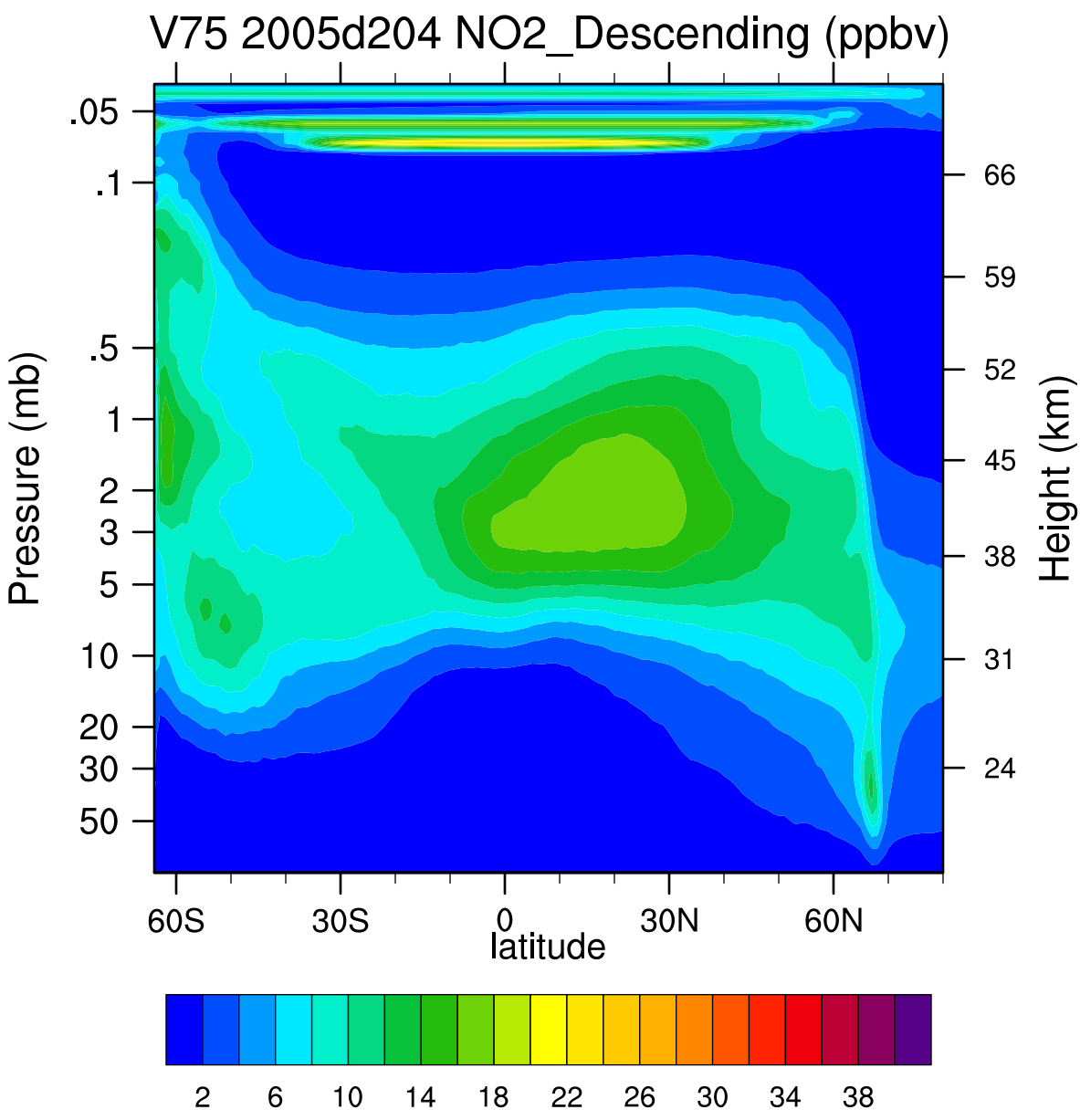
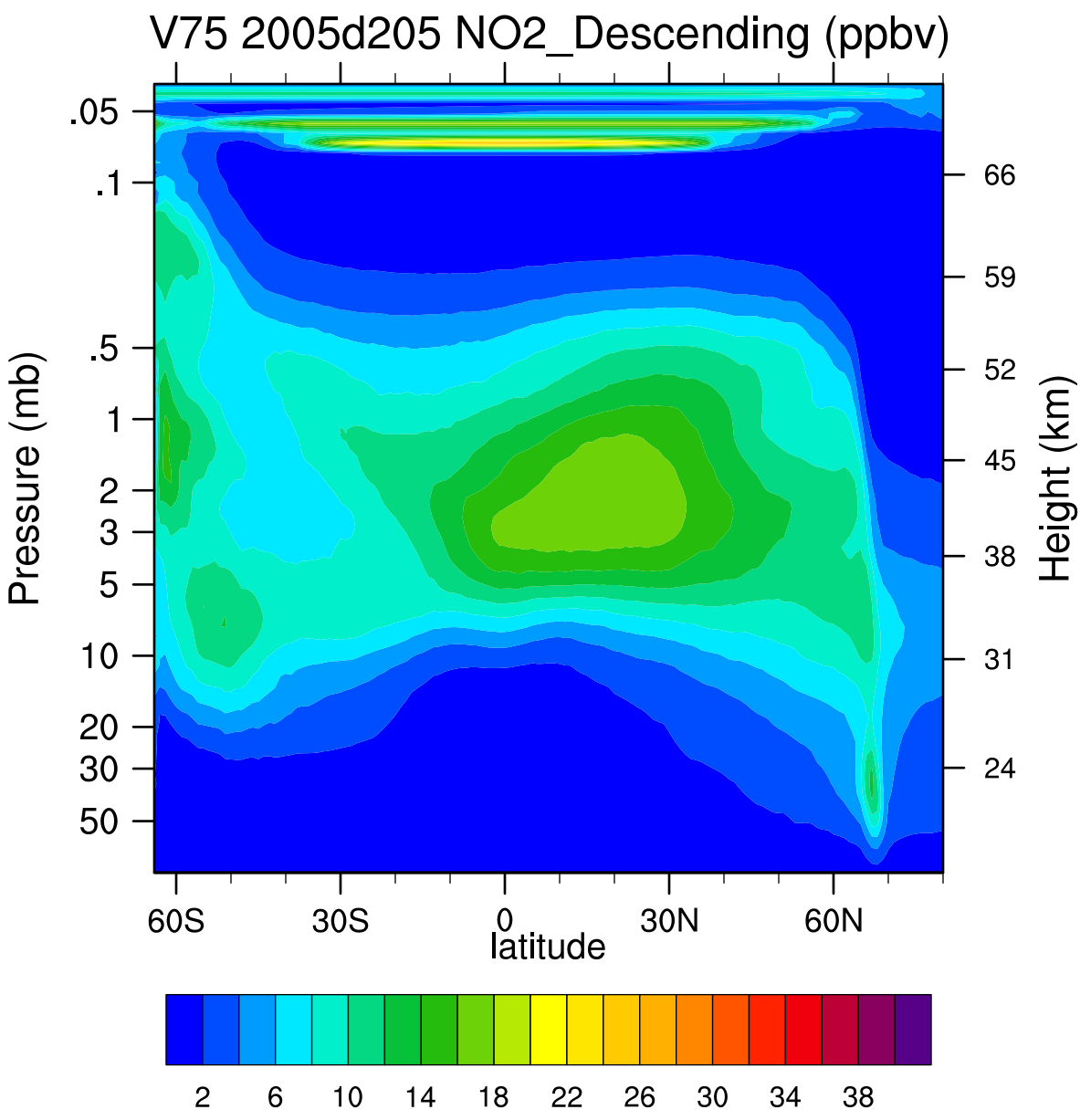

V75 2005d201 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d202 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d203 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d204 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d205 NO2_Descending (ppbv)
Pressure (mb)
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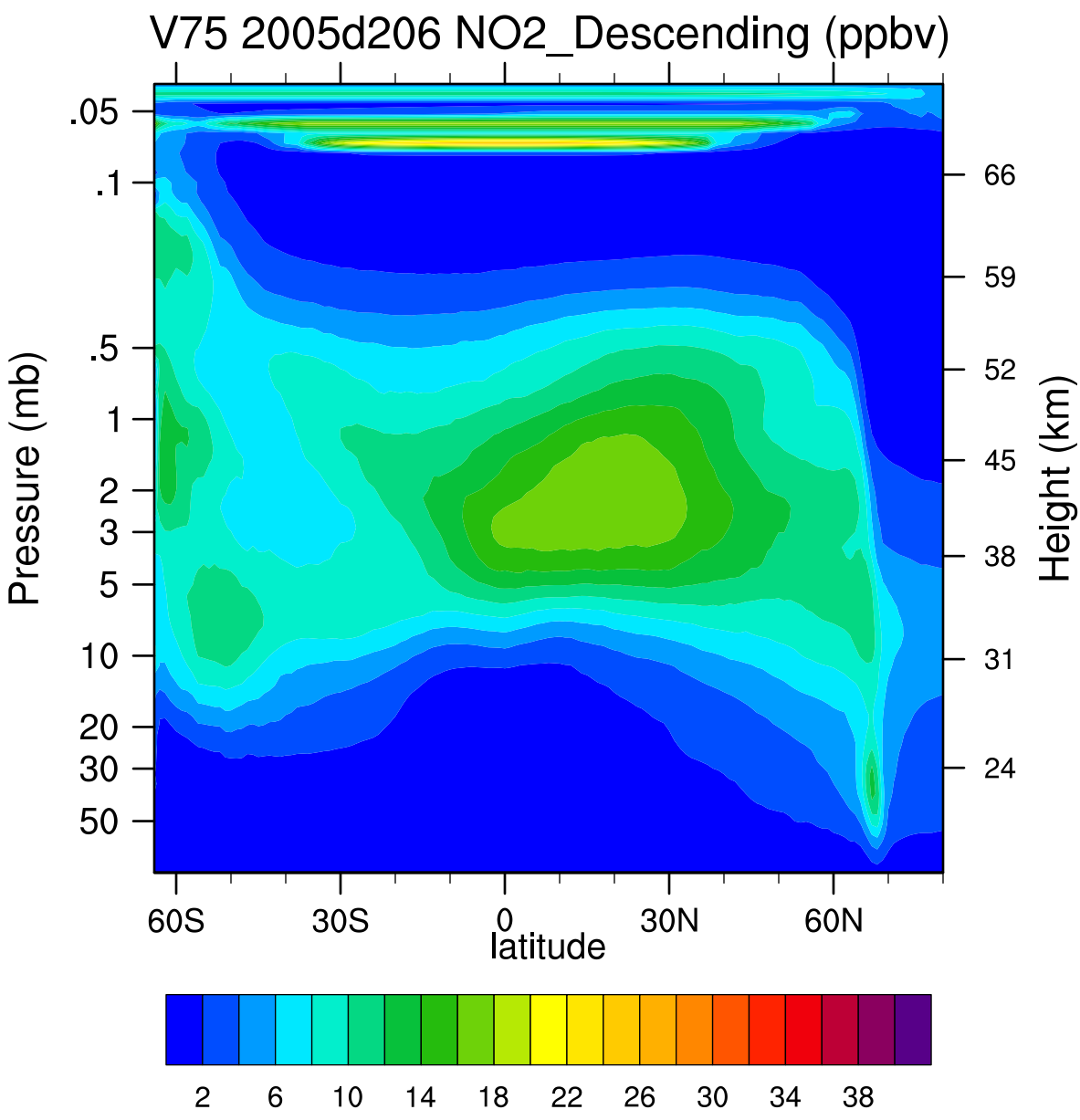
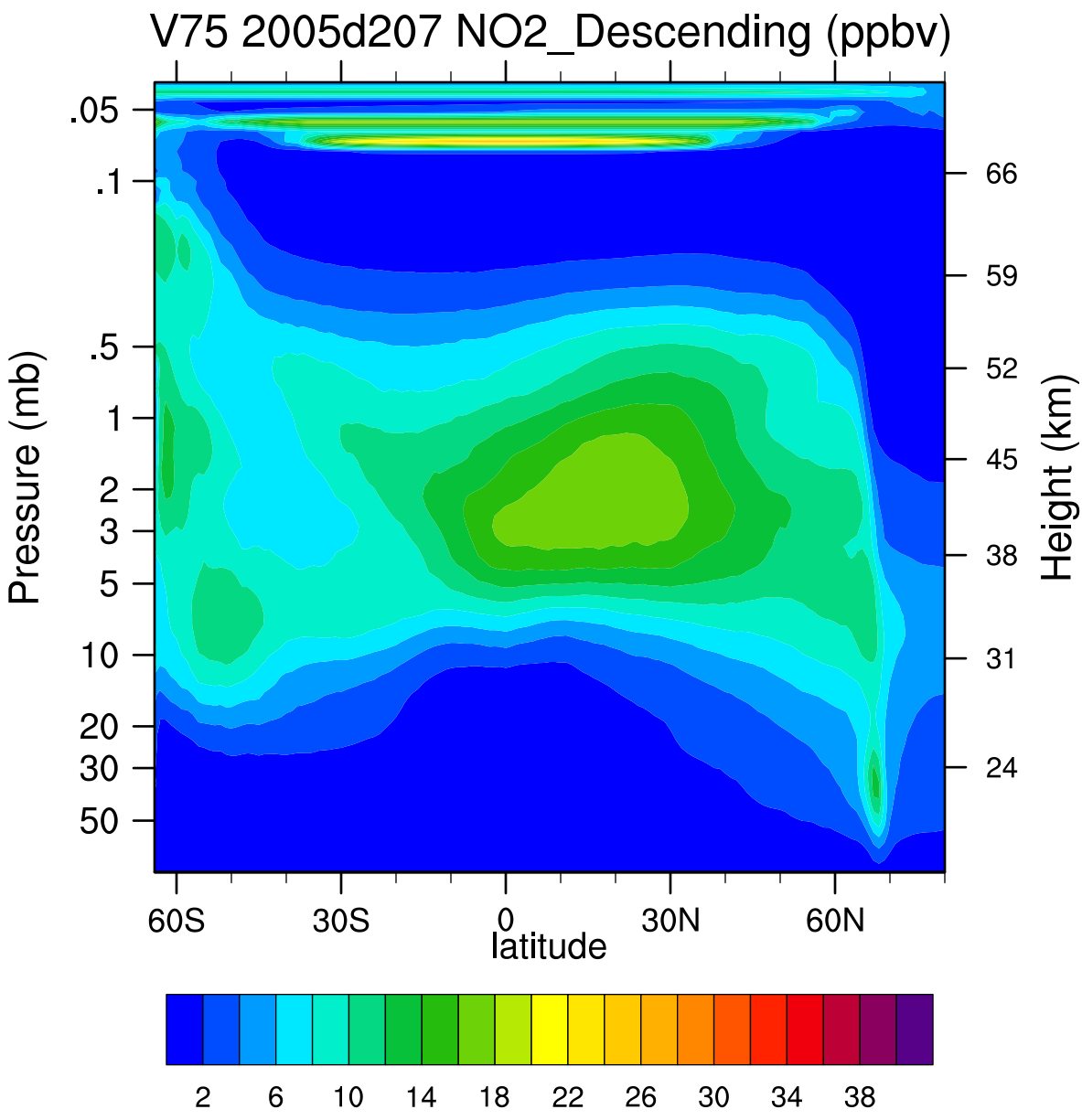
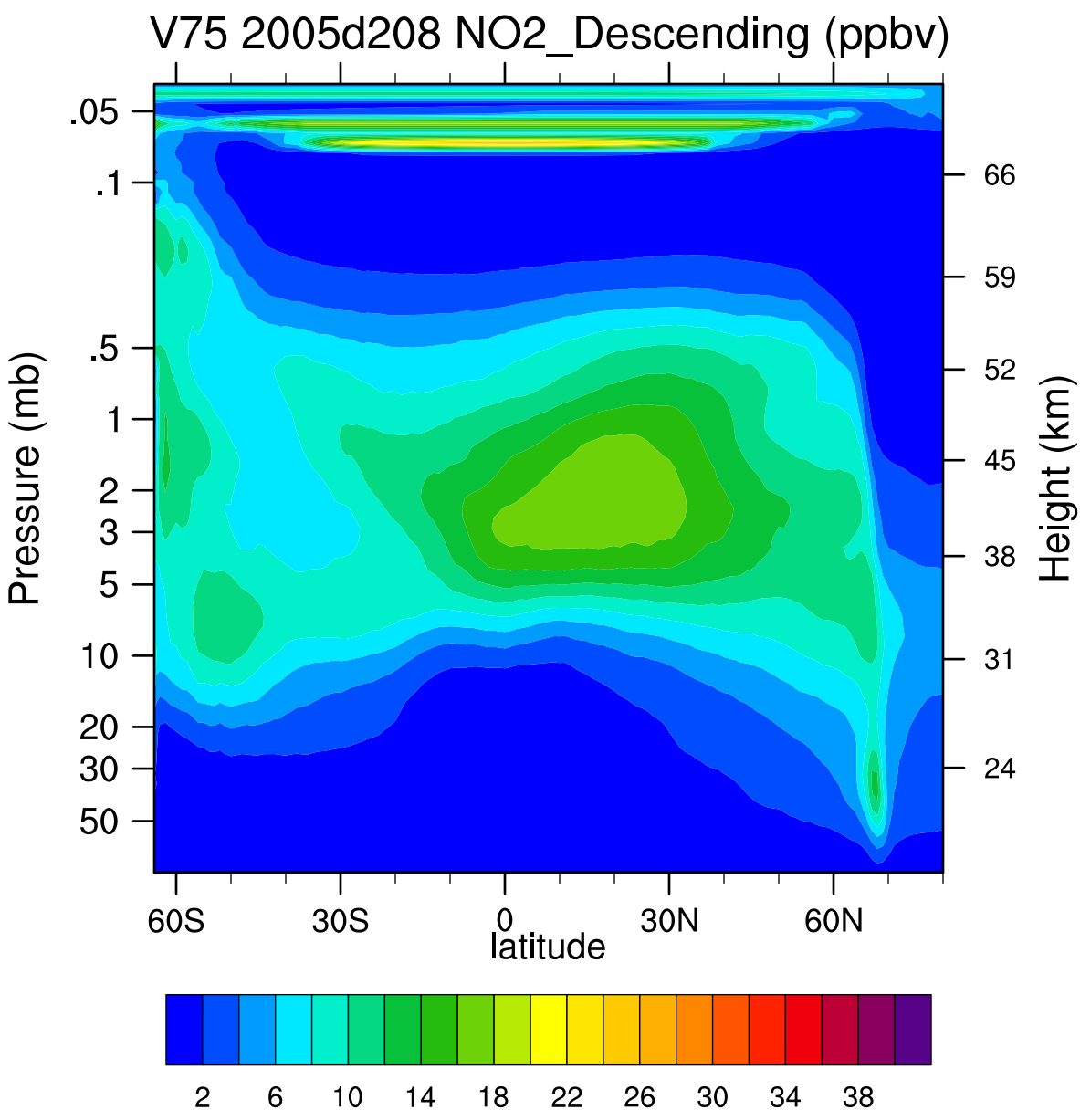
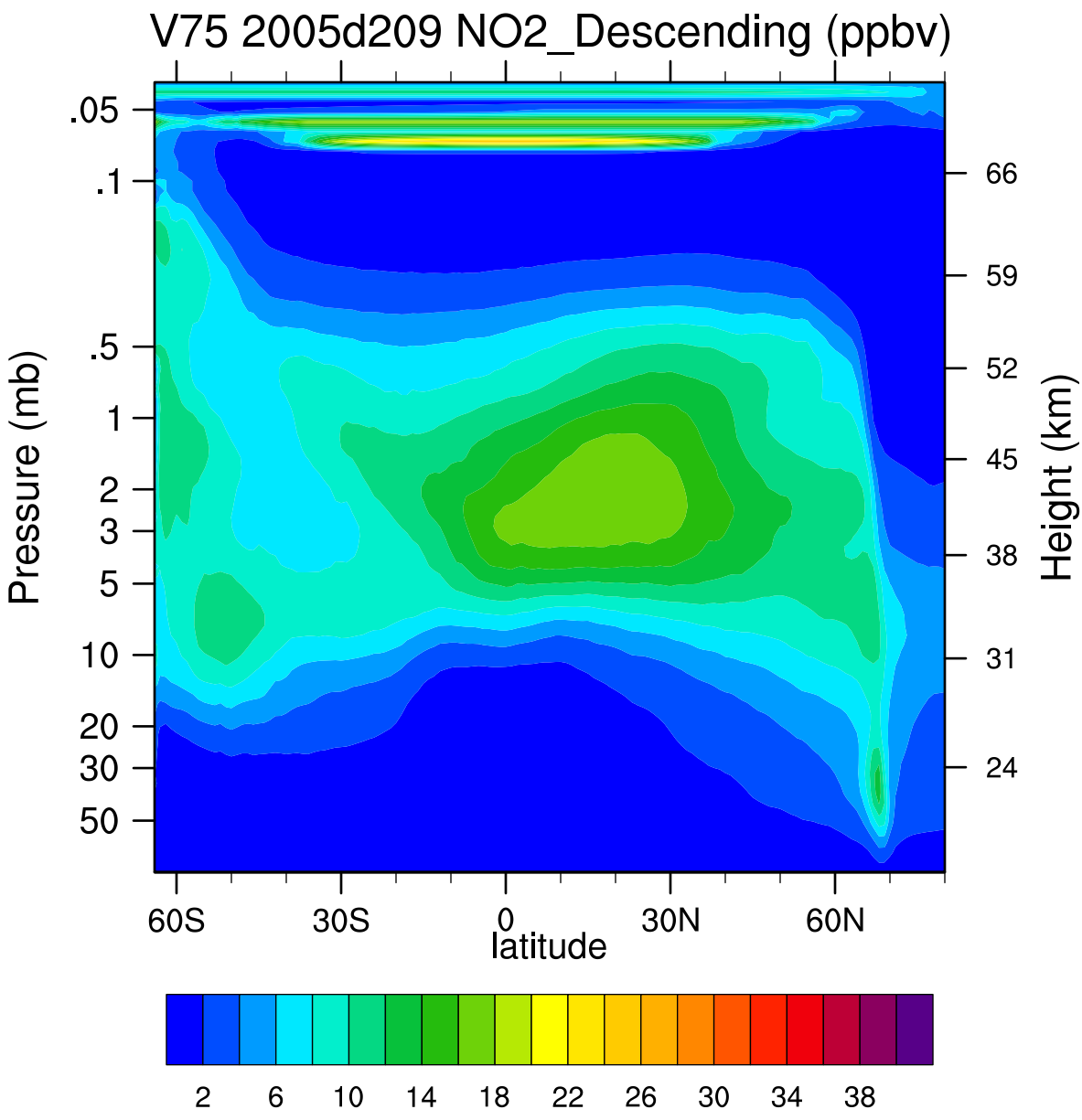
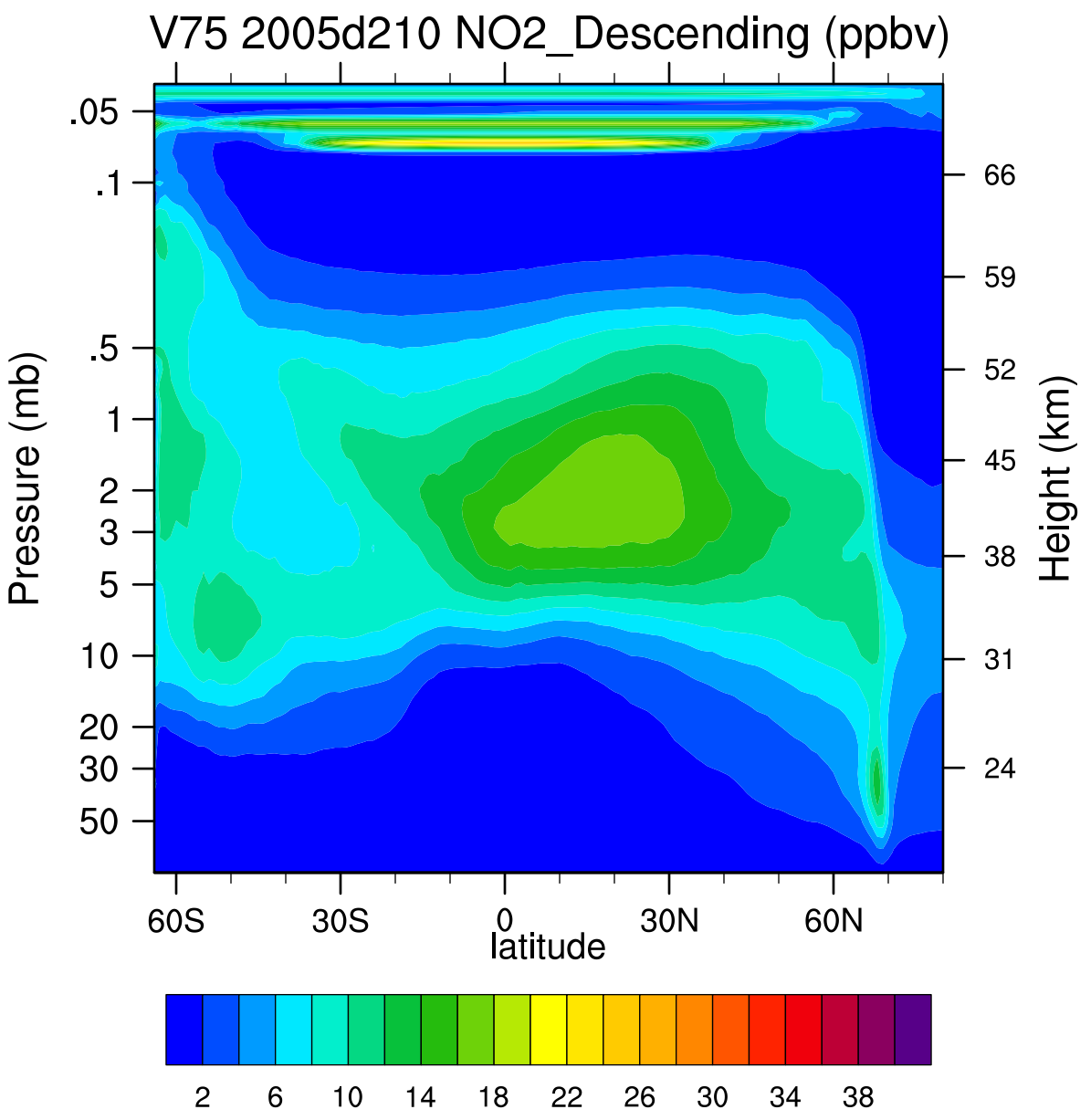
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d206 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d207 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d208 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d209 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d210 NO2_Descending (ppbv)
Pressure (mb)
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.5
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2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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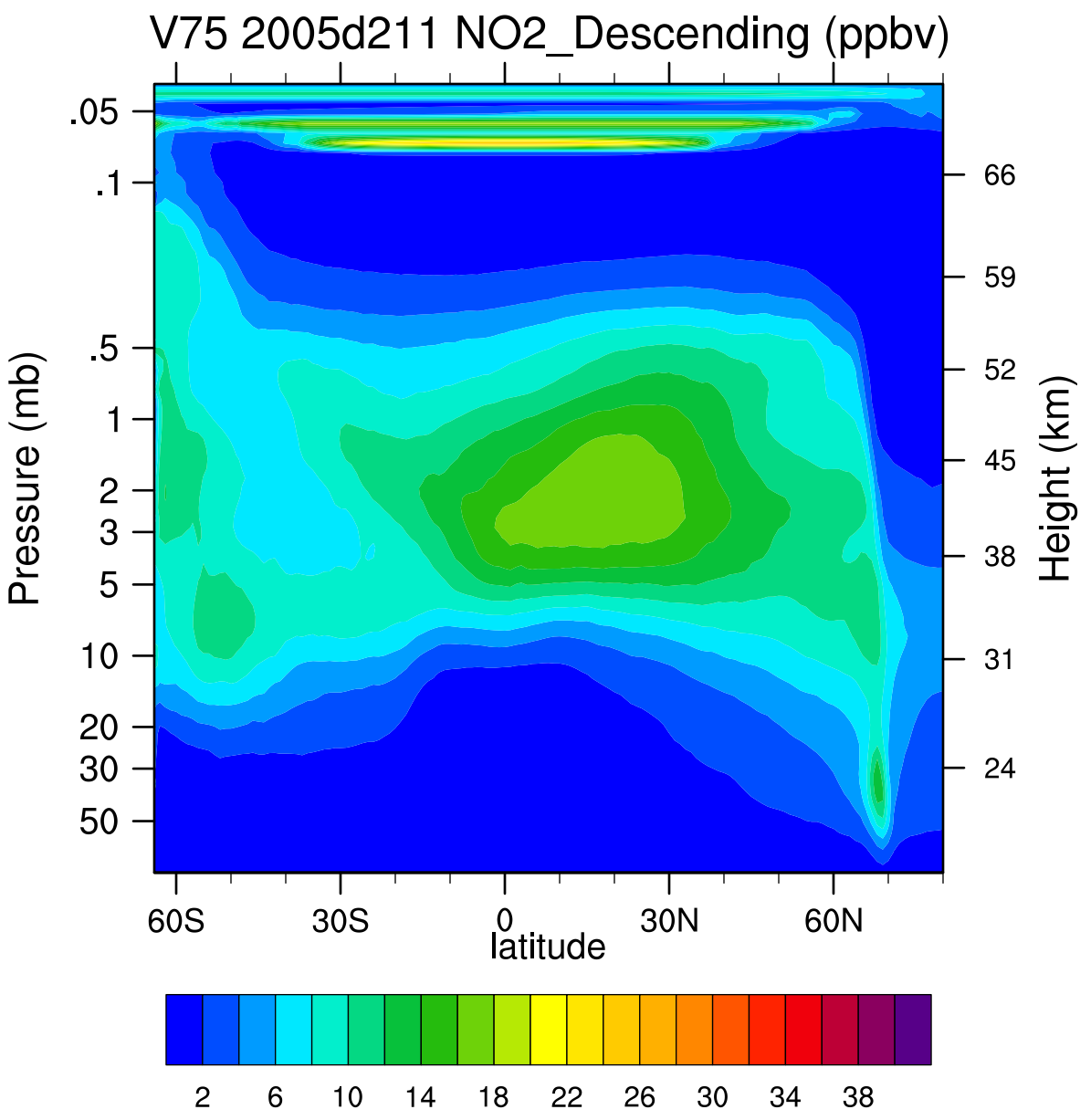
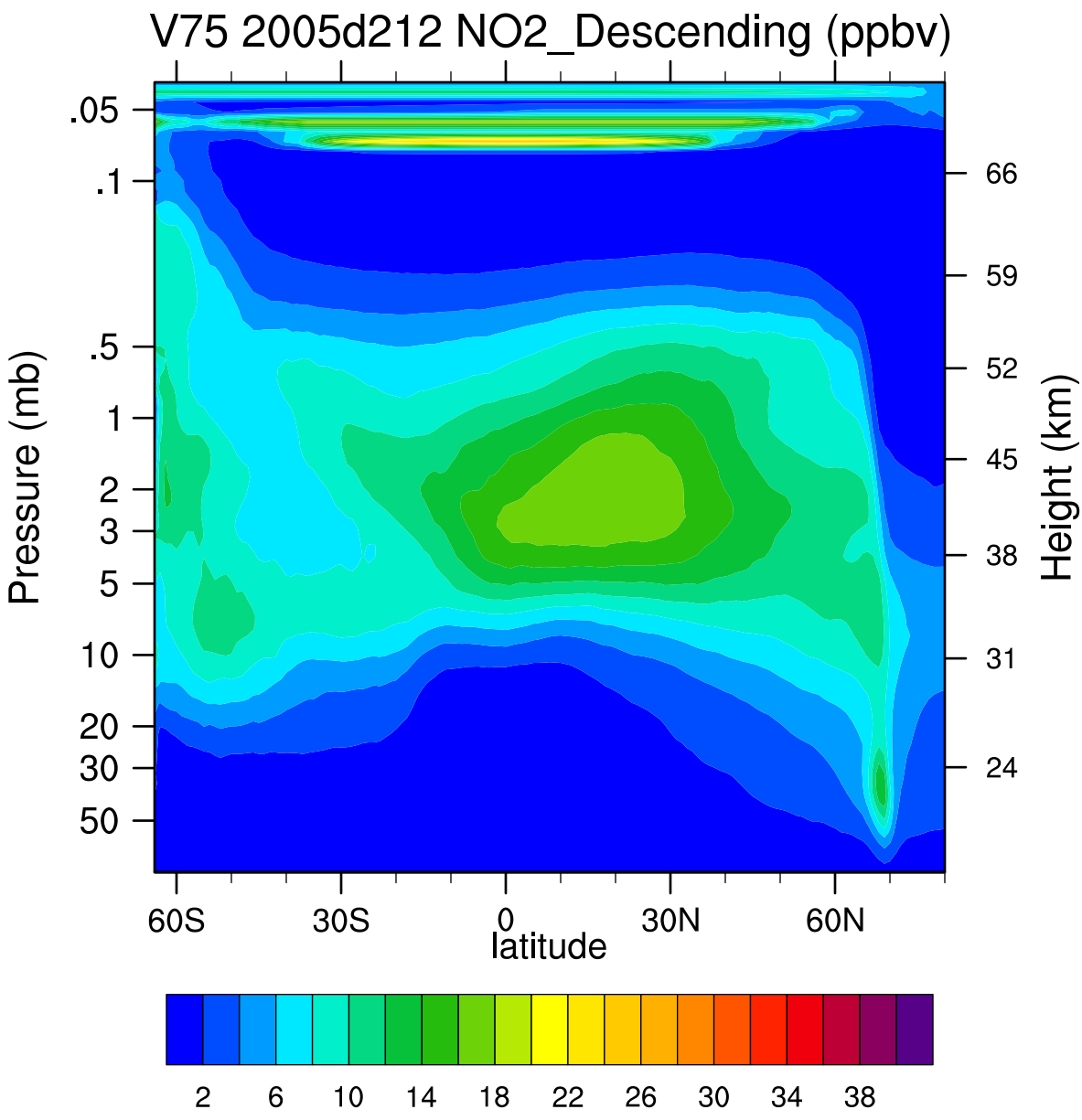
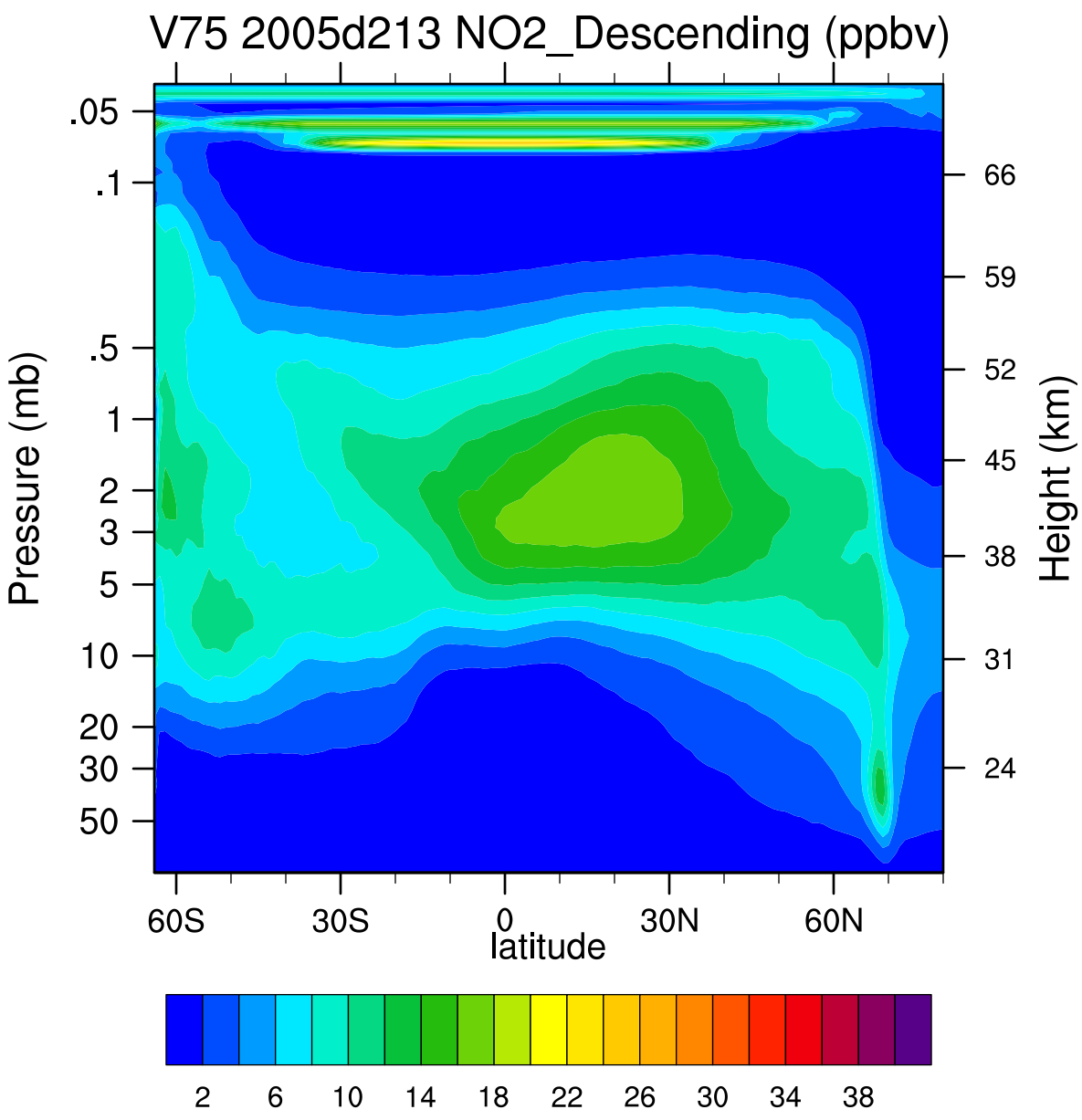

V75 2005d211 NO2_Descending (ppbv)
.05
.1
.5
1
2
3
5
10
20
30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d212 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d213 NO2_Descending (ppbv)
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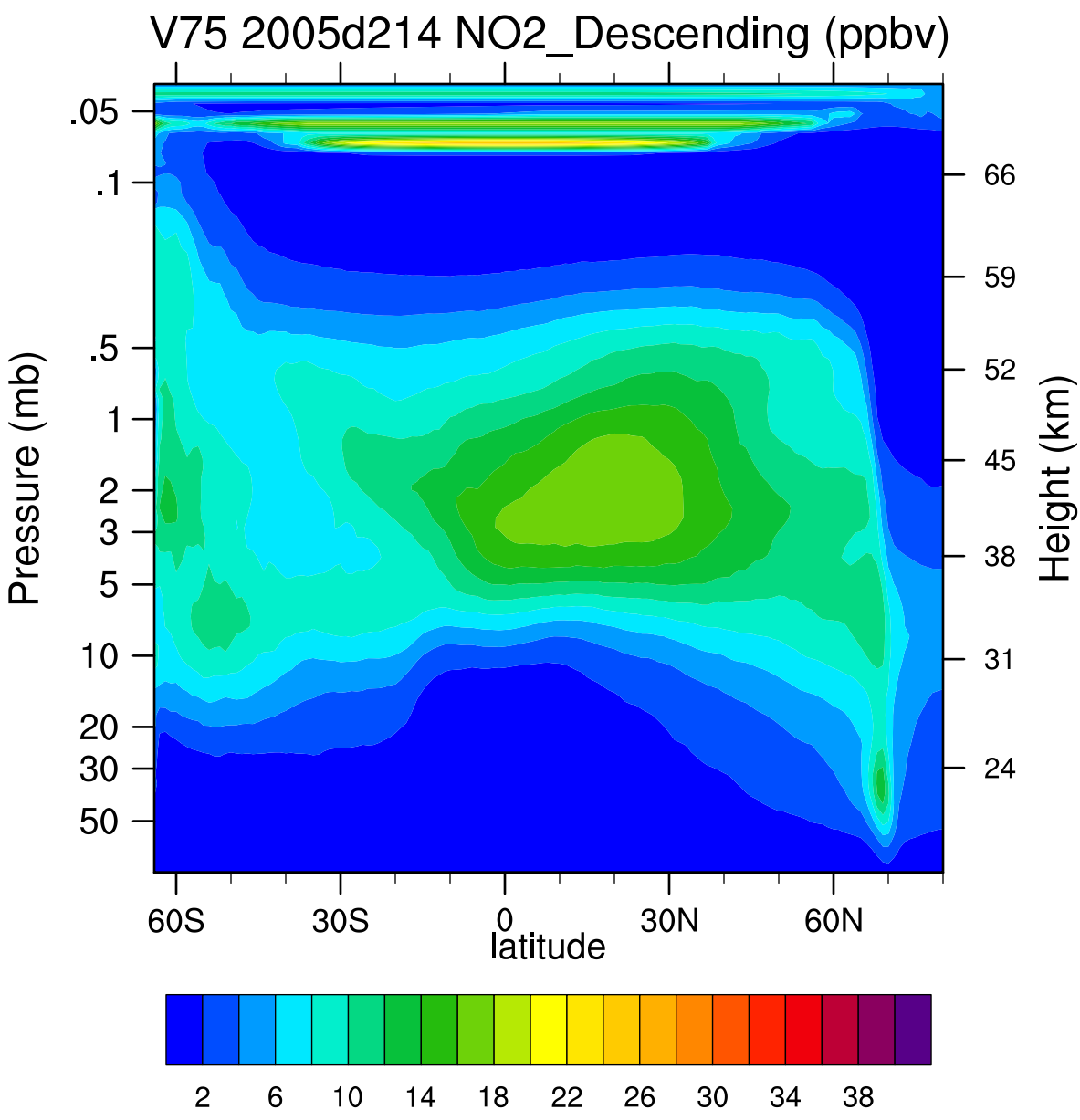
.1
.5
1
2
3
5
10
20
30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d214 NO2_Descending (ppbv)
Pressure (mb)
.05
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.5
1
2
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5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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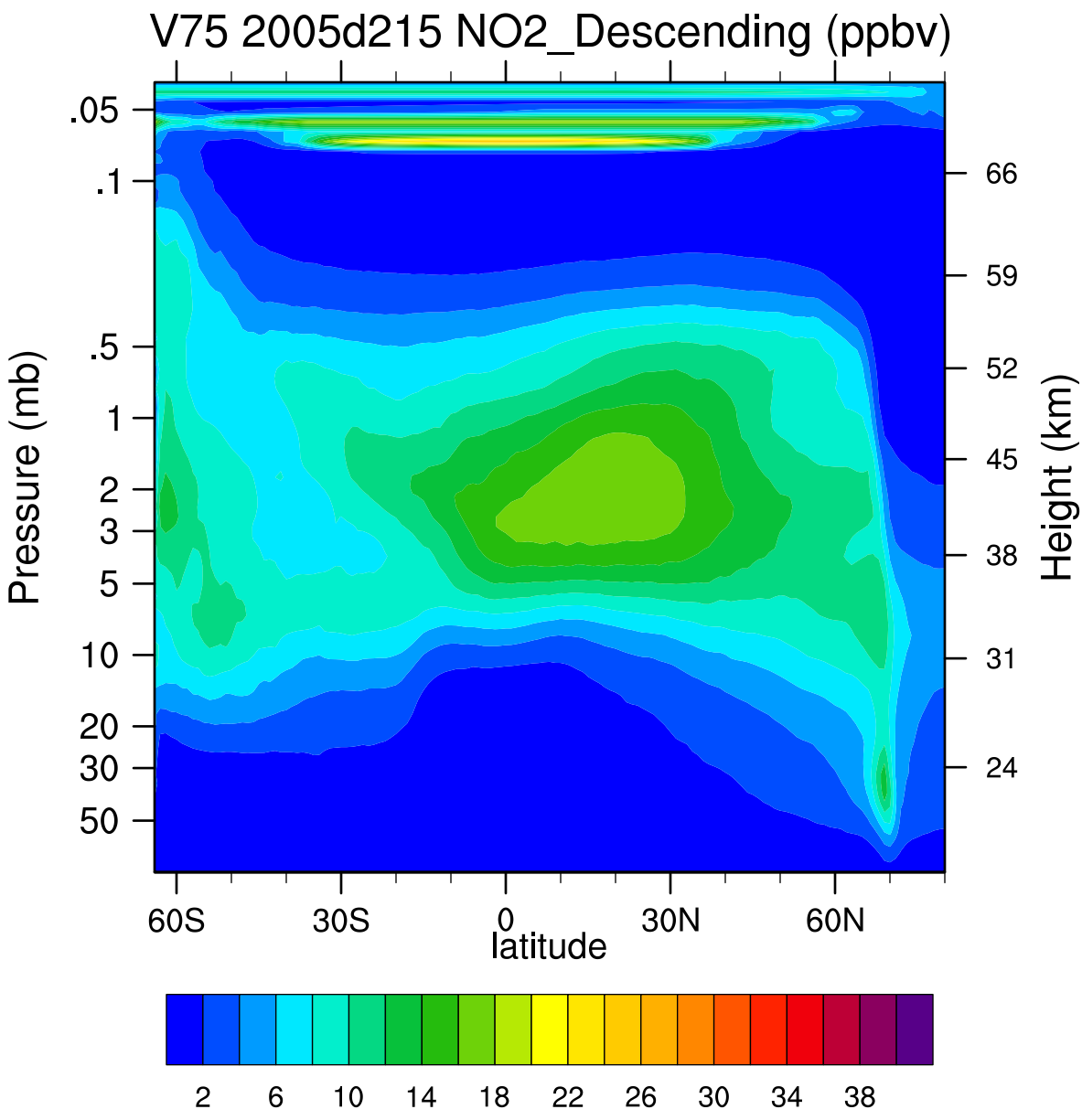
V75 2005d215 NO2_Descending (ppbv)
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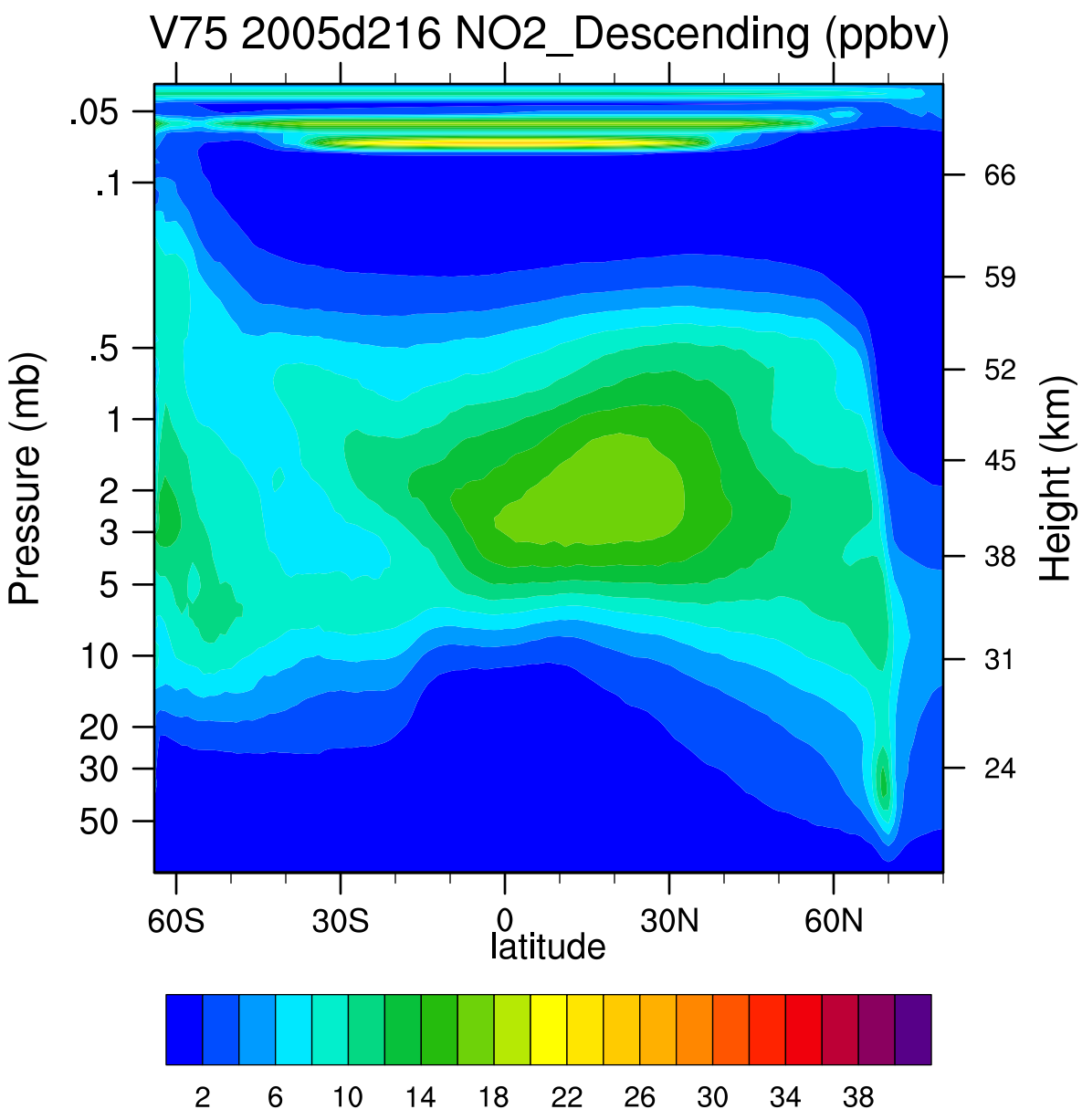
.1
.5
1
2
3
5
10
20
30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d216 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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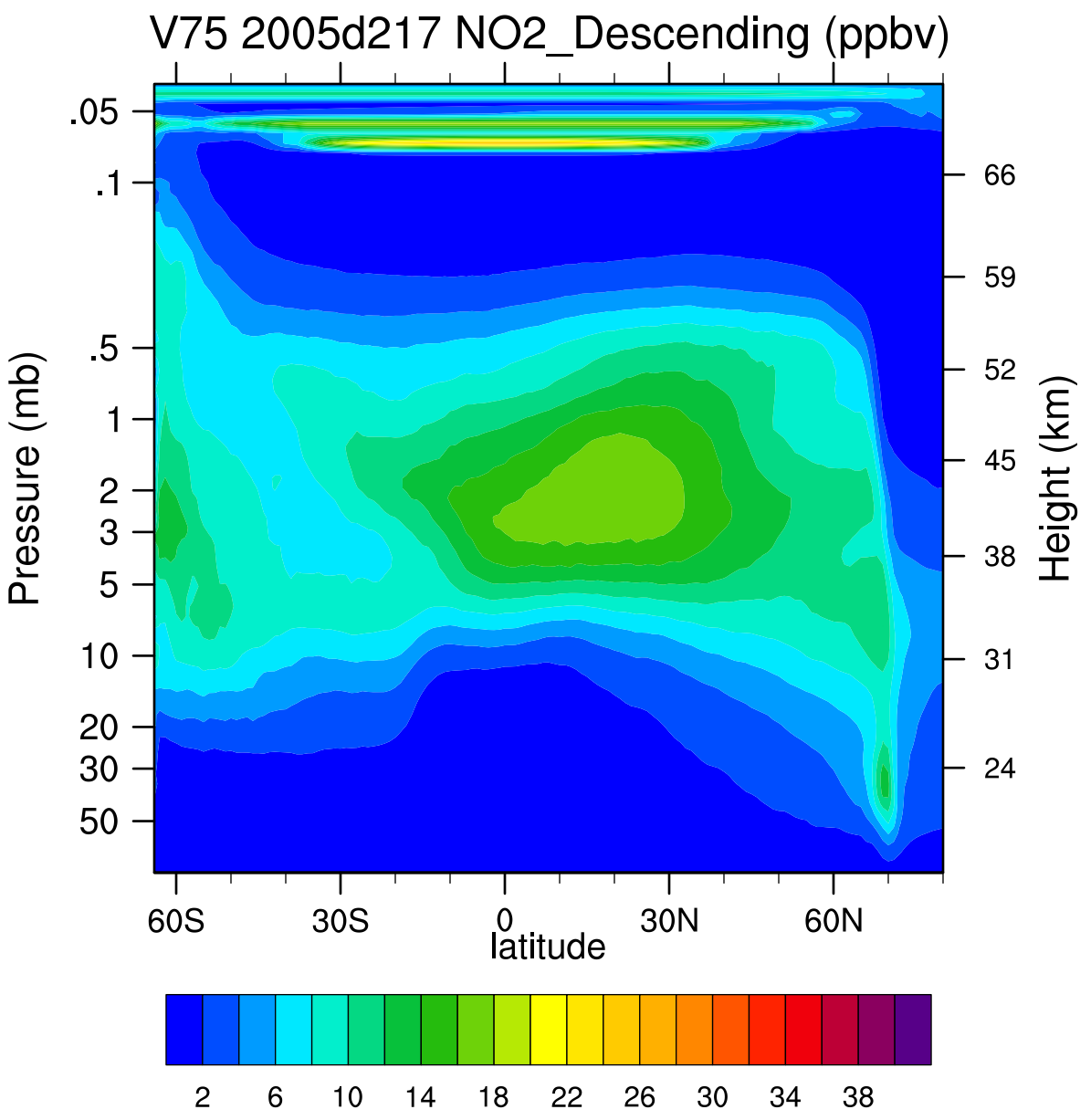
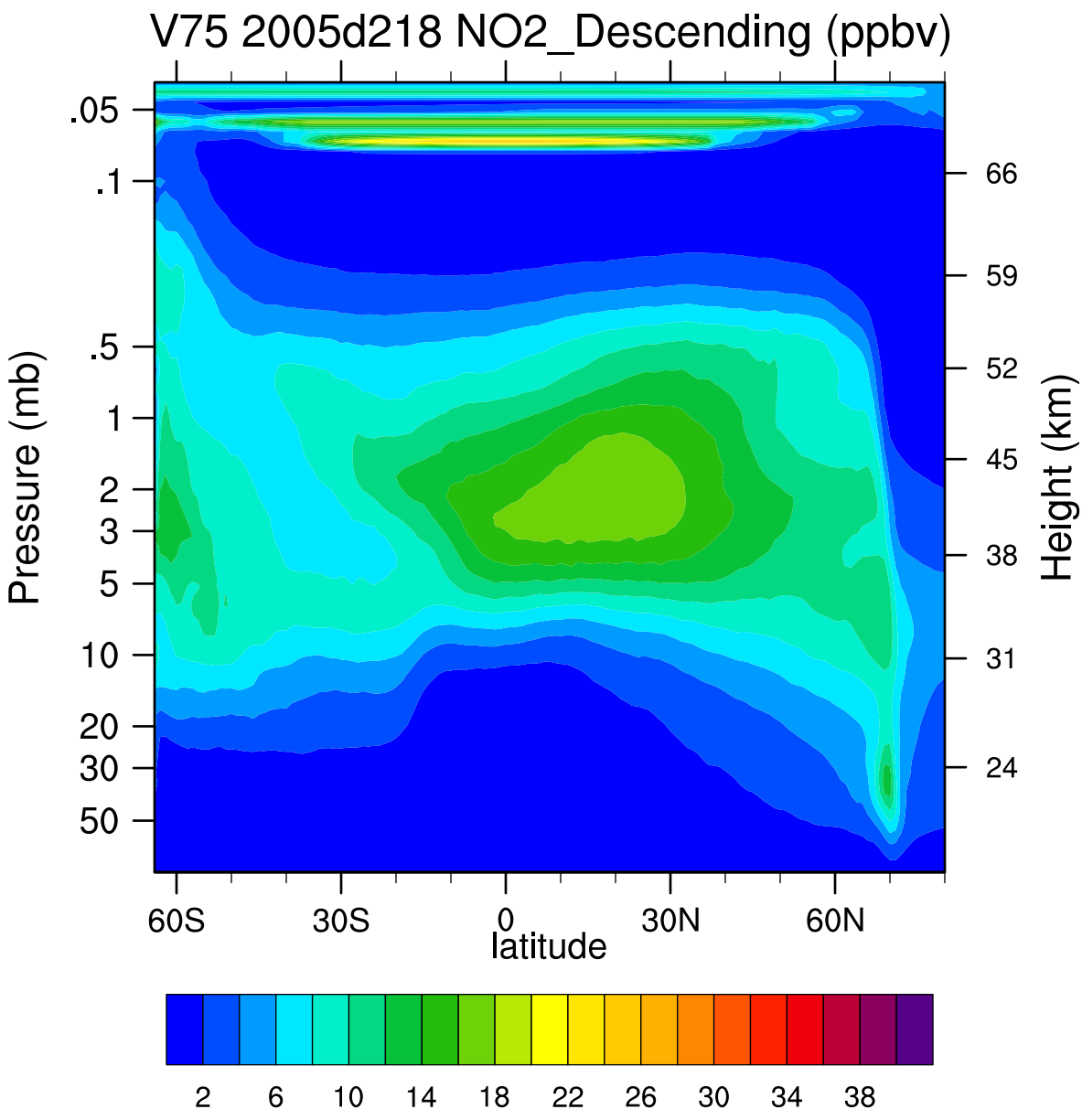
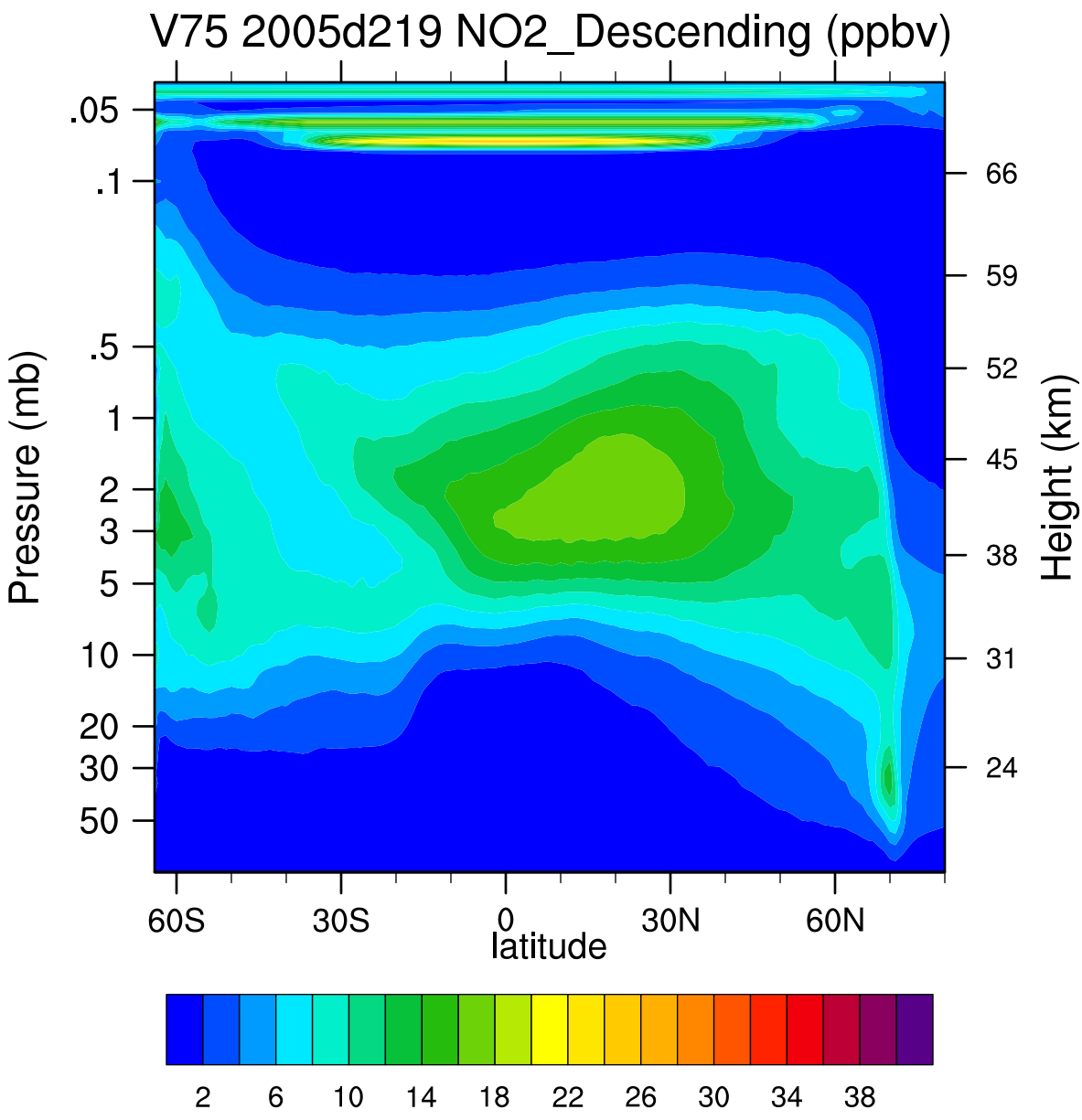
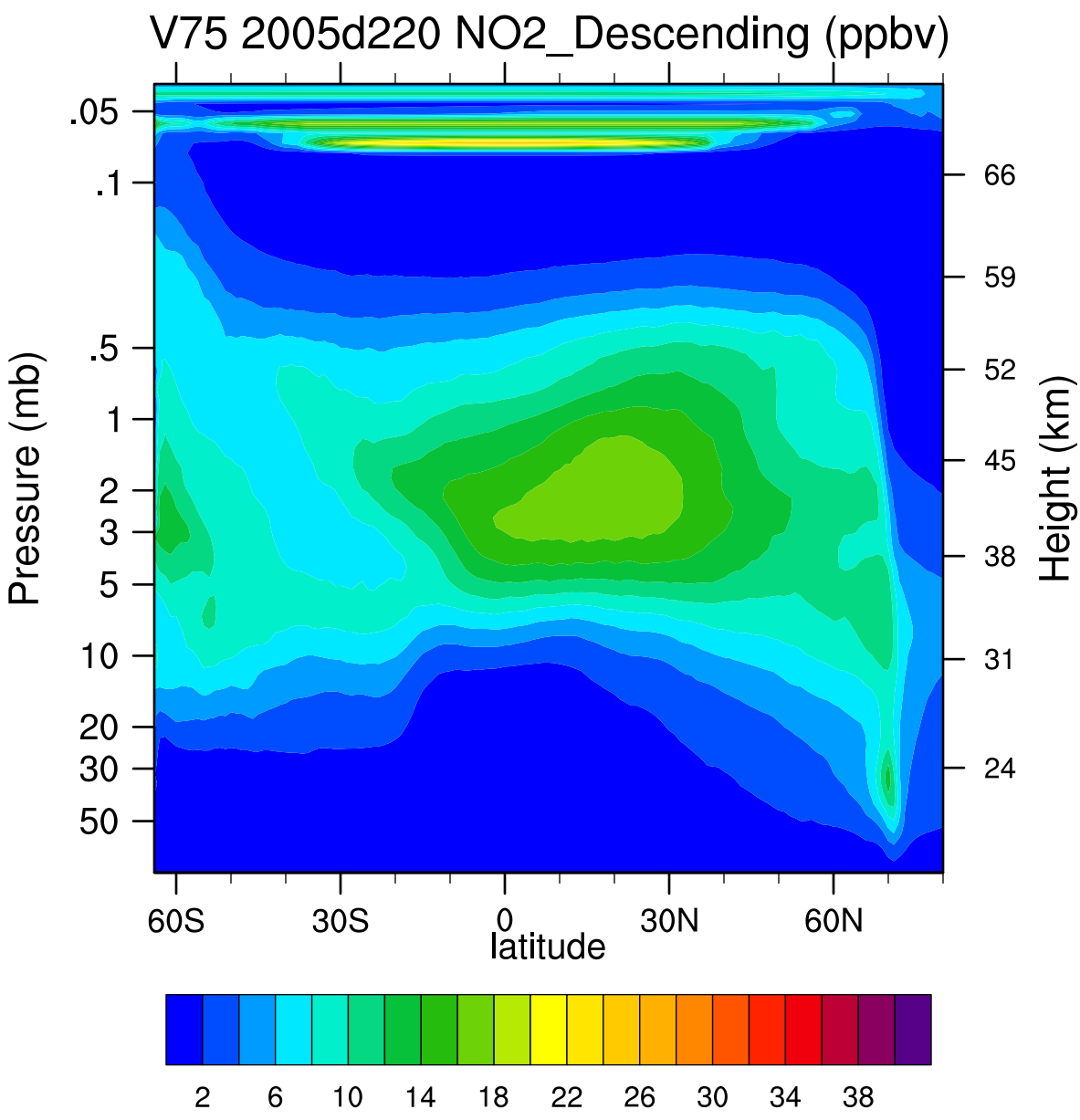

V75 2005d217 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d218 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d219 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d220 NO2_Descending (ppbv)
.05
.1
.5
1
2
3
5
10
20
30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
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34
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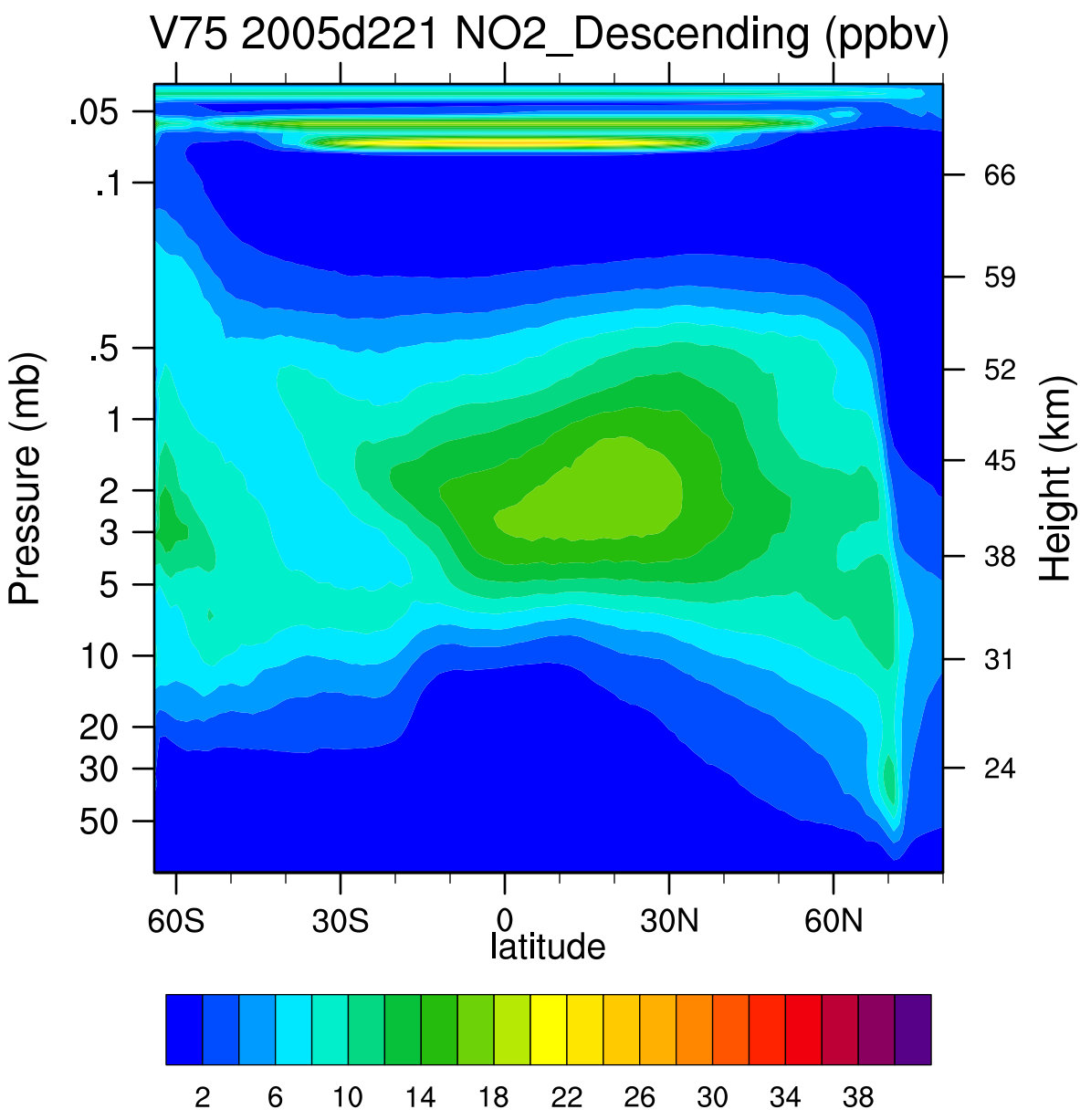
V75 2005d221 NO2_Descending (ppbv)
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.1
.5
1
2
3
5
10
20
30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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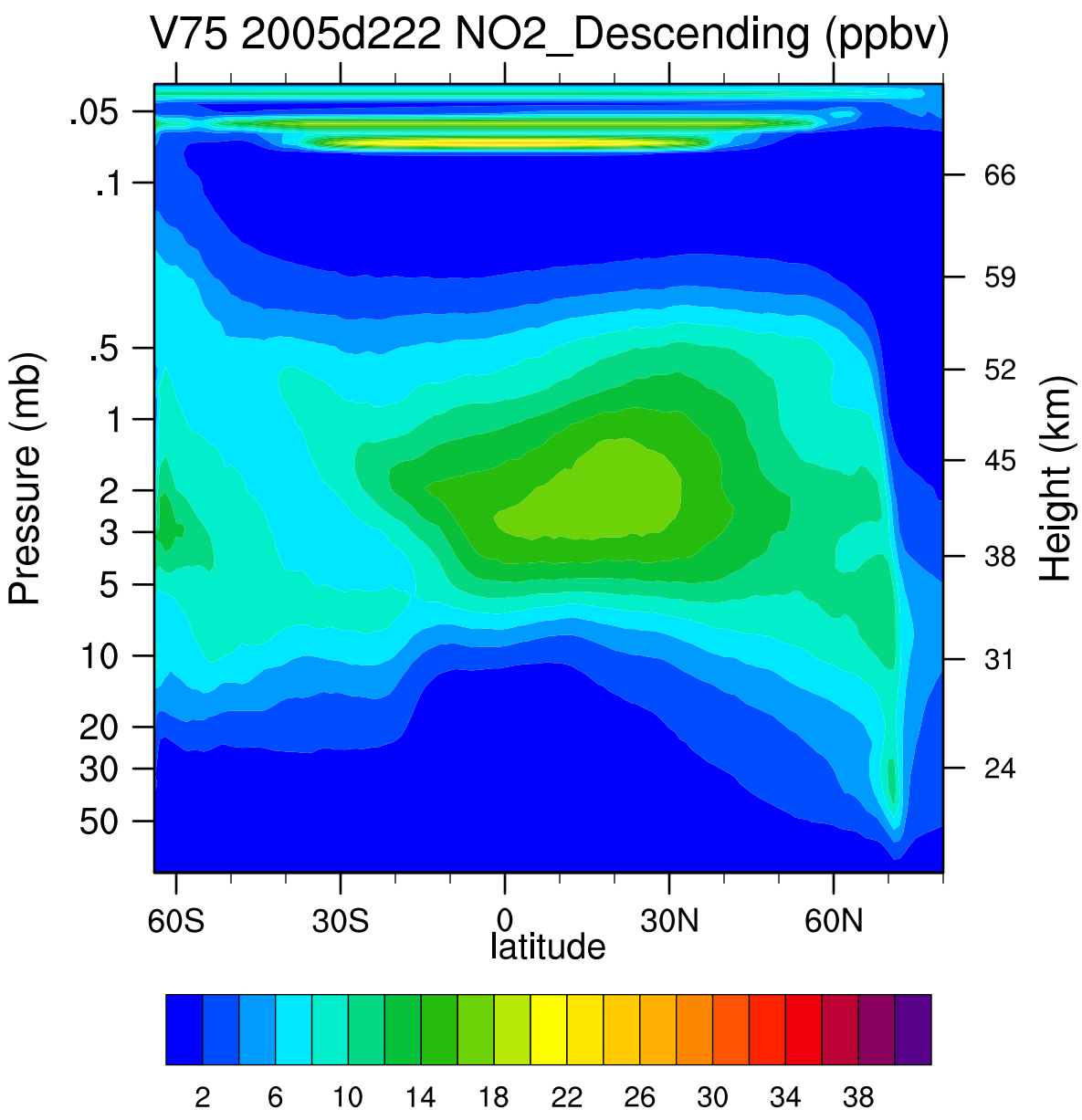
V75 2005d222 NO2_Descending (ppbv)
Pressure (mb)
.05
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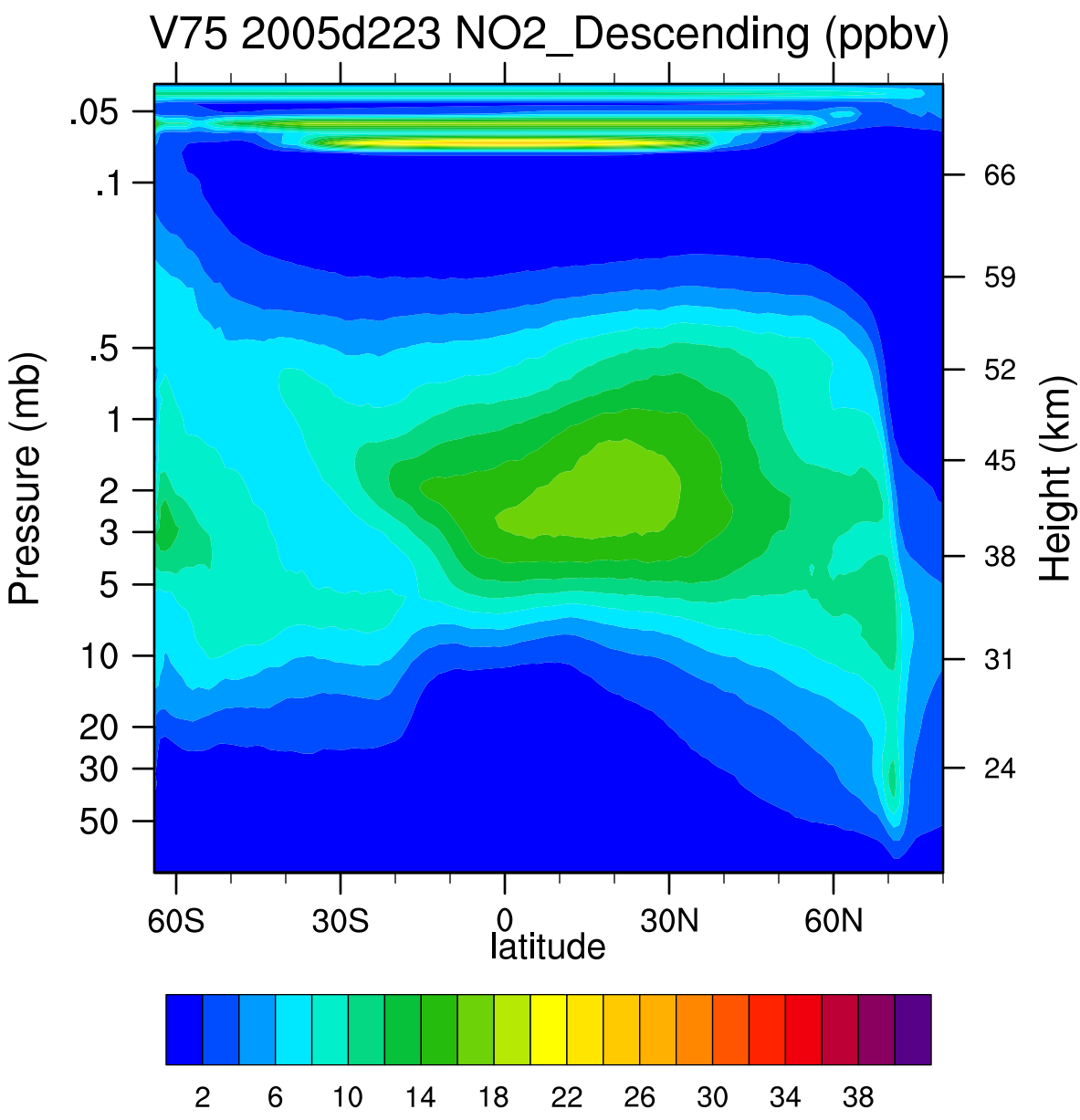
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d223 NO2_Descending (ppbv)
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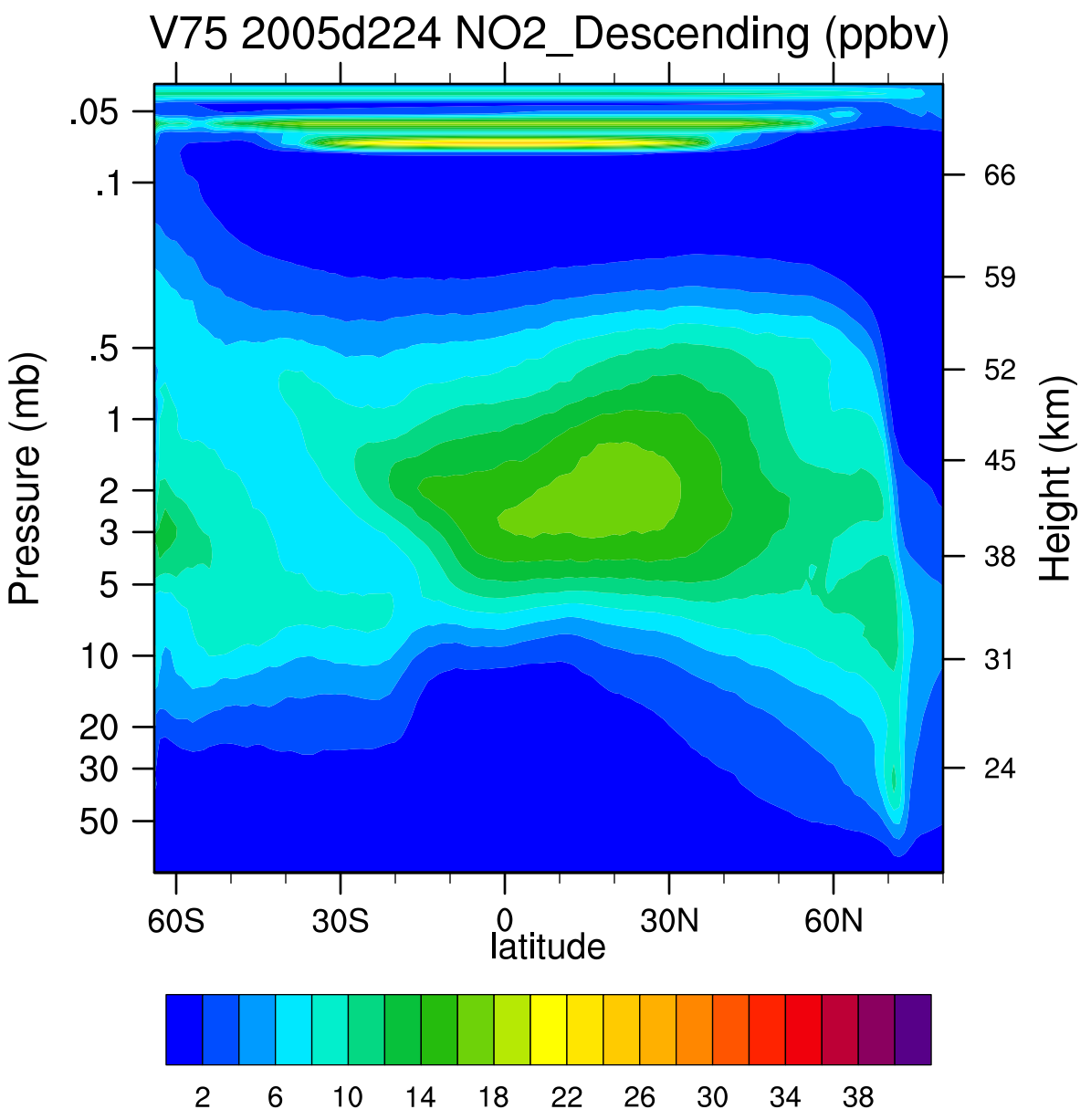
.5
1
2
3
5
10
20
30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d224 NO2_Descending (ppbv)
.05
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.5
1
2
3
5
10
20
30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
60S
30S
0
30N
60N
latitude
2
6
10
14
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22
26
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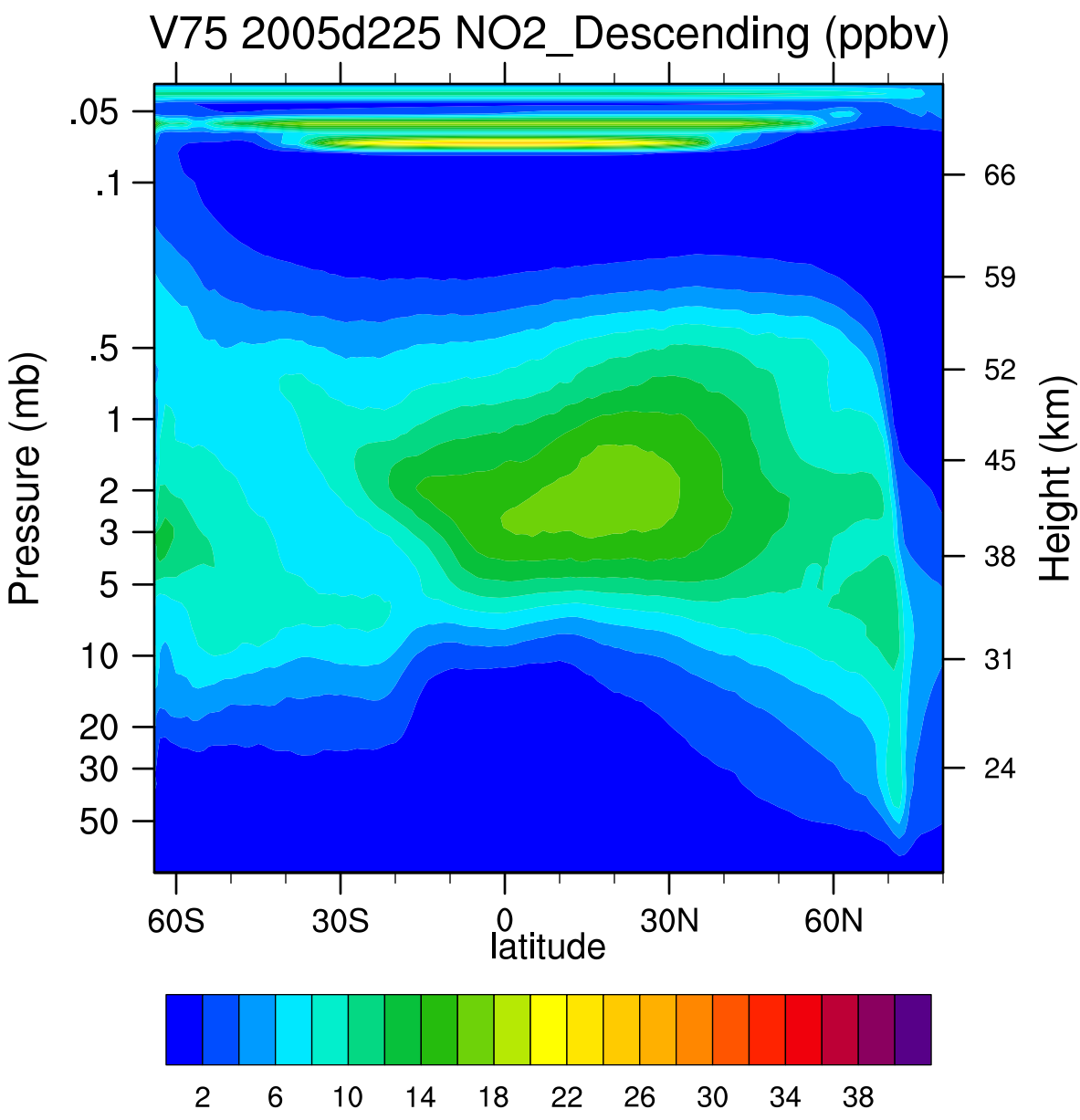
34
38


V75 2005d225 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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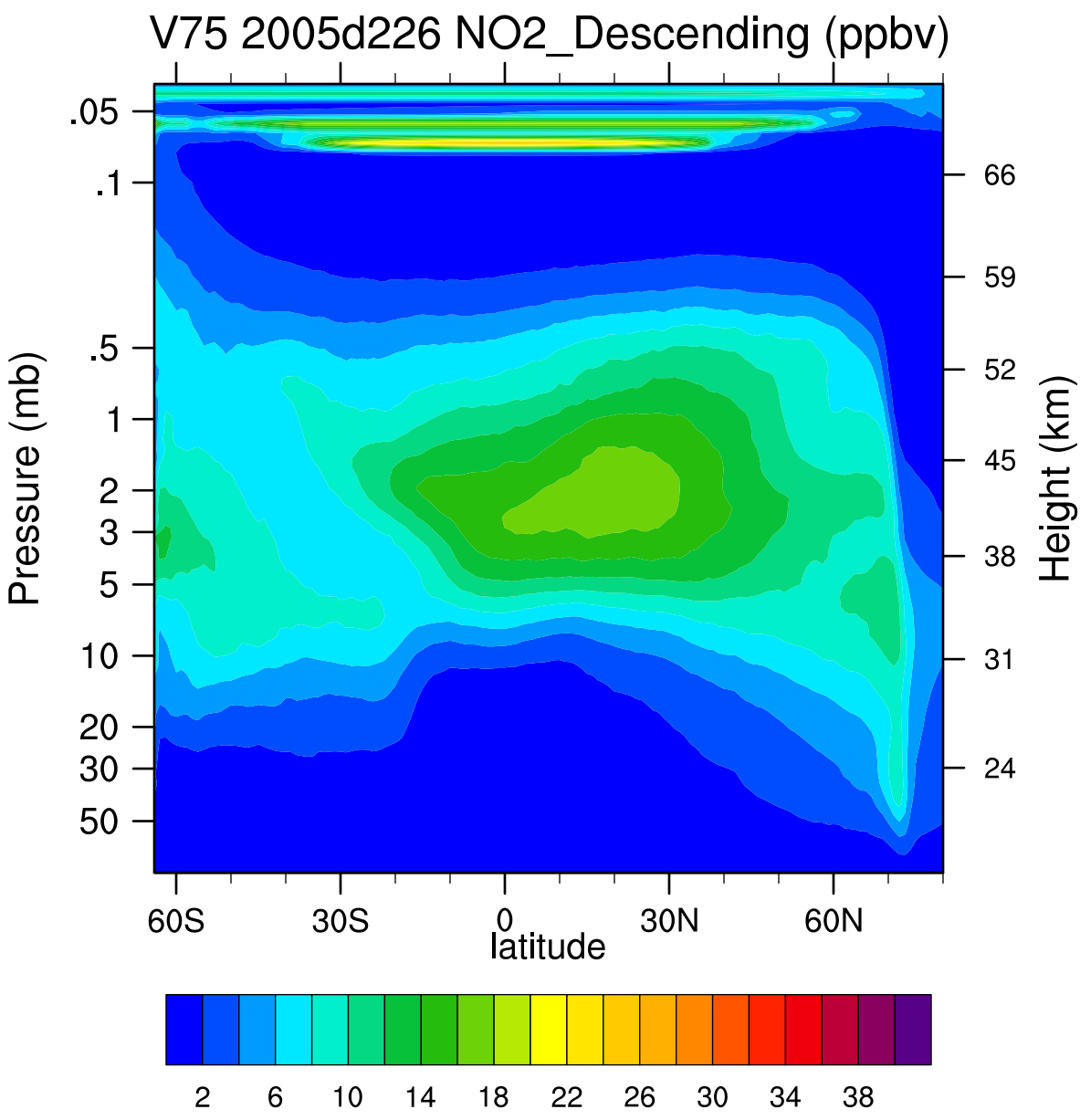
V75 2005d226 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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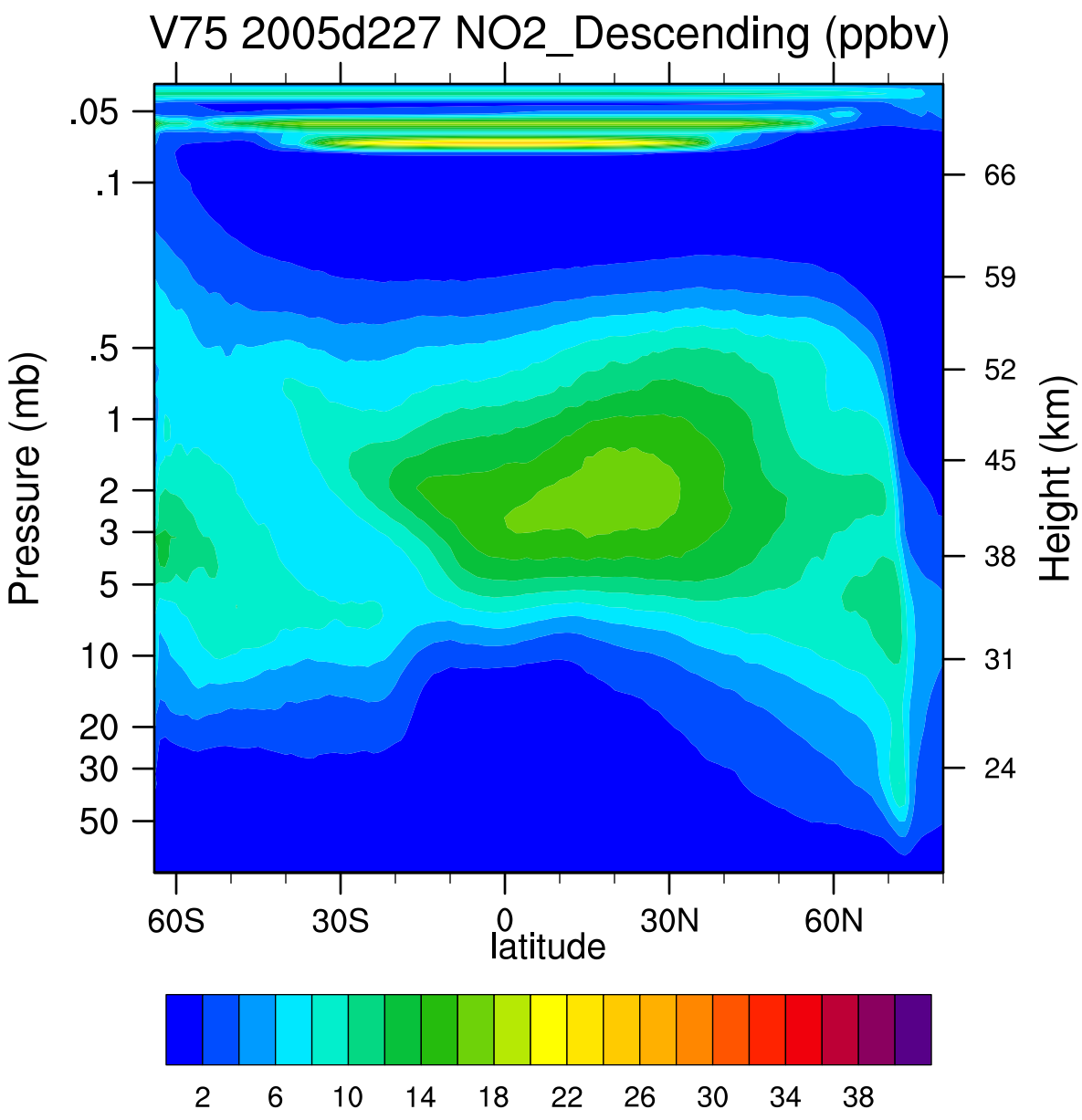
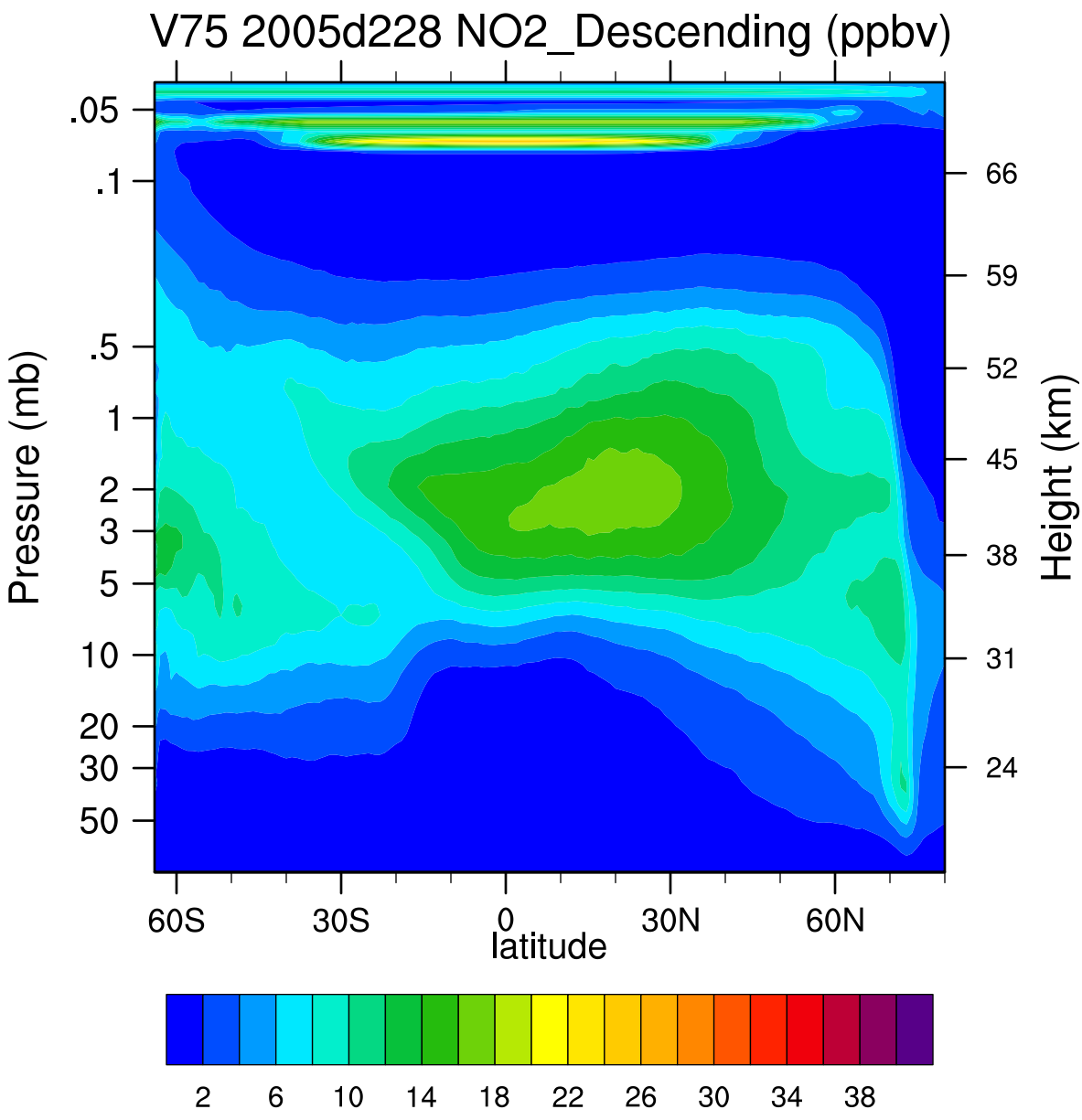

V75 2005d227 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38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.1
.5
1
2
3
5
10
20
30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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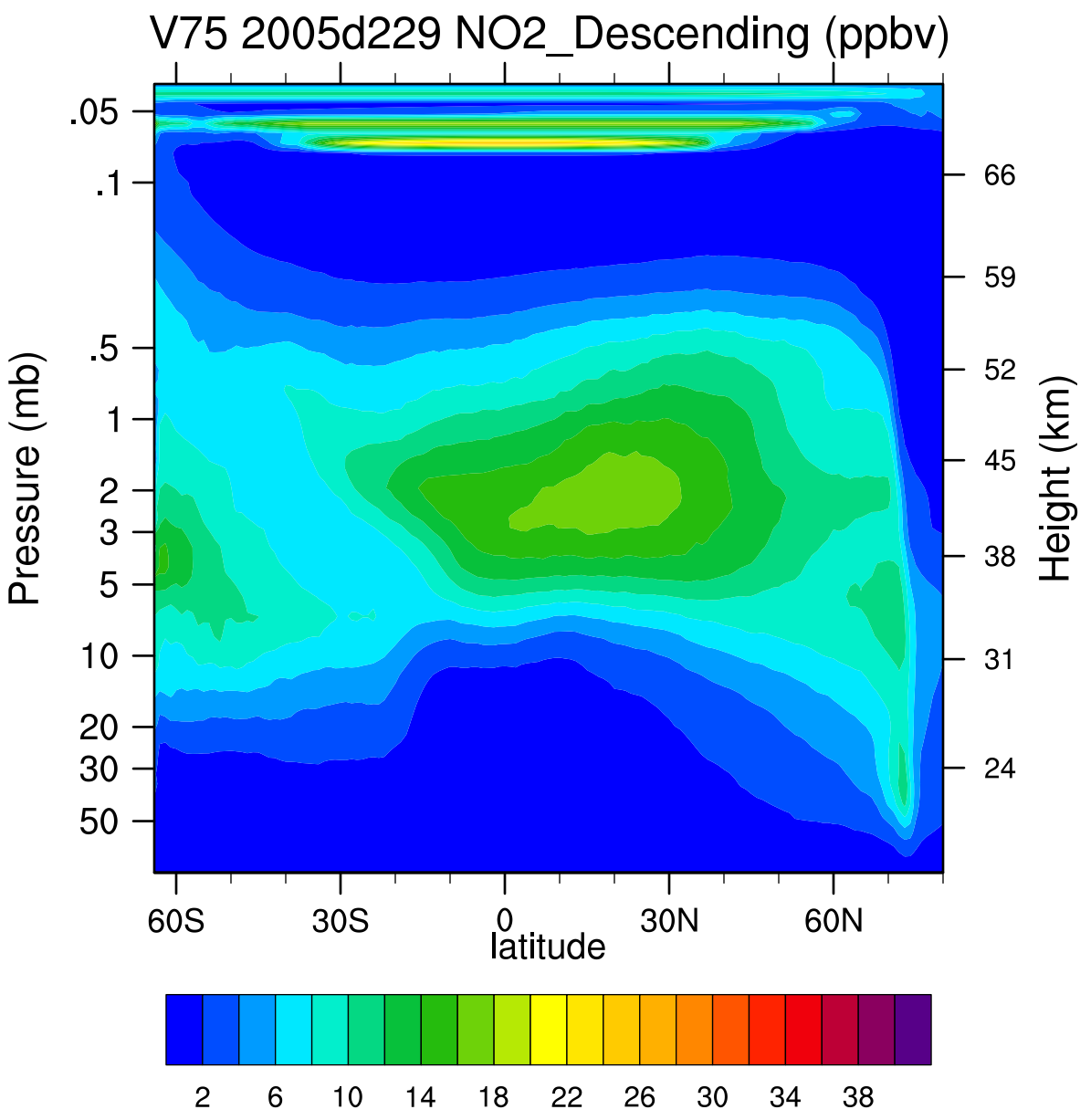
V75 2005d229 NO2_Descending (ppbv)
Pressure (mb)
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5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
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10
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26
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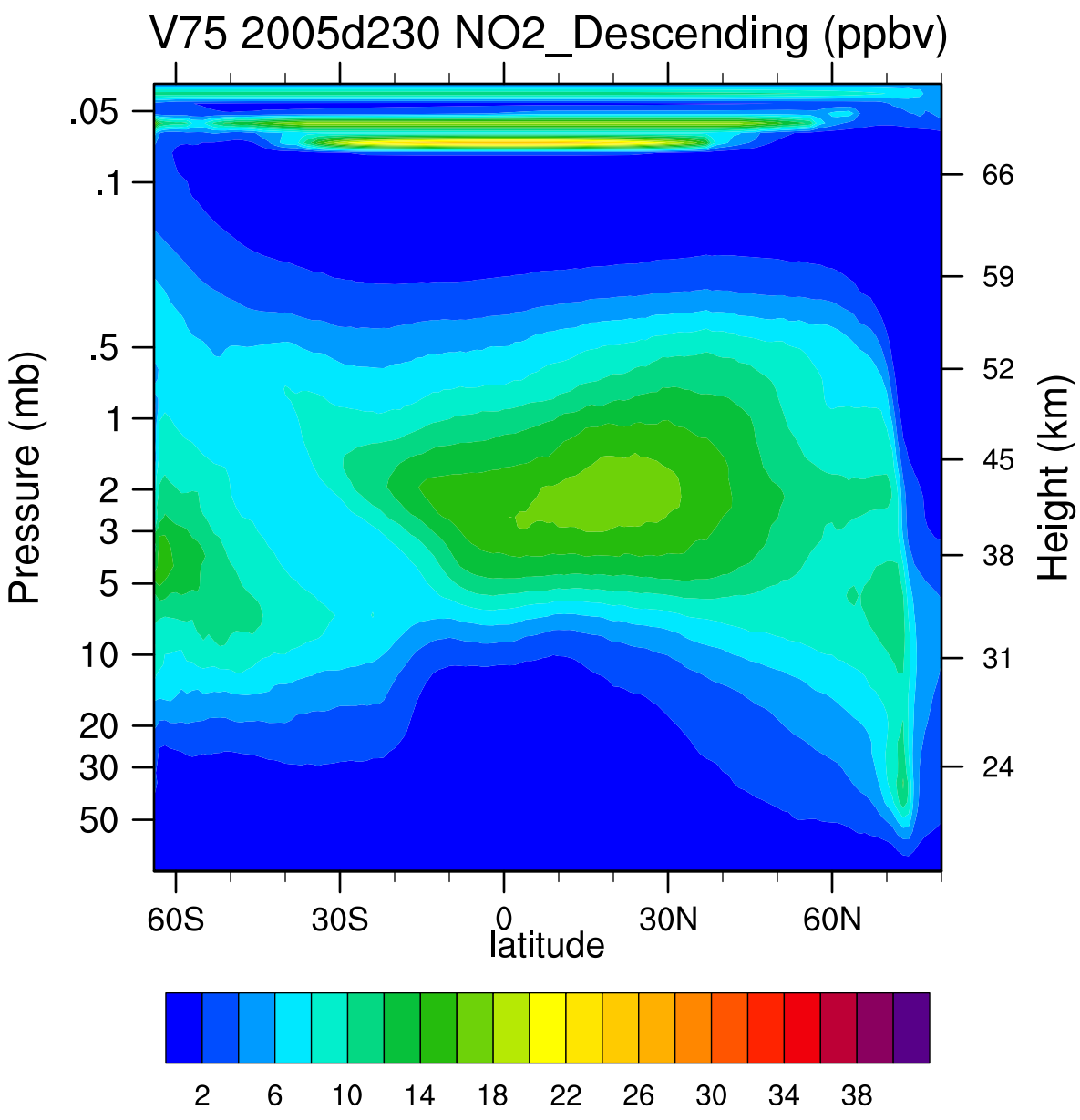
V75 2005d230 NO2_Descending (ppbv)
Pressure (mb)
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.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
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24
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30S
0
30N
60N
latitude
2
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10
14
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26
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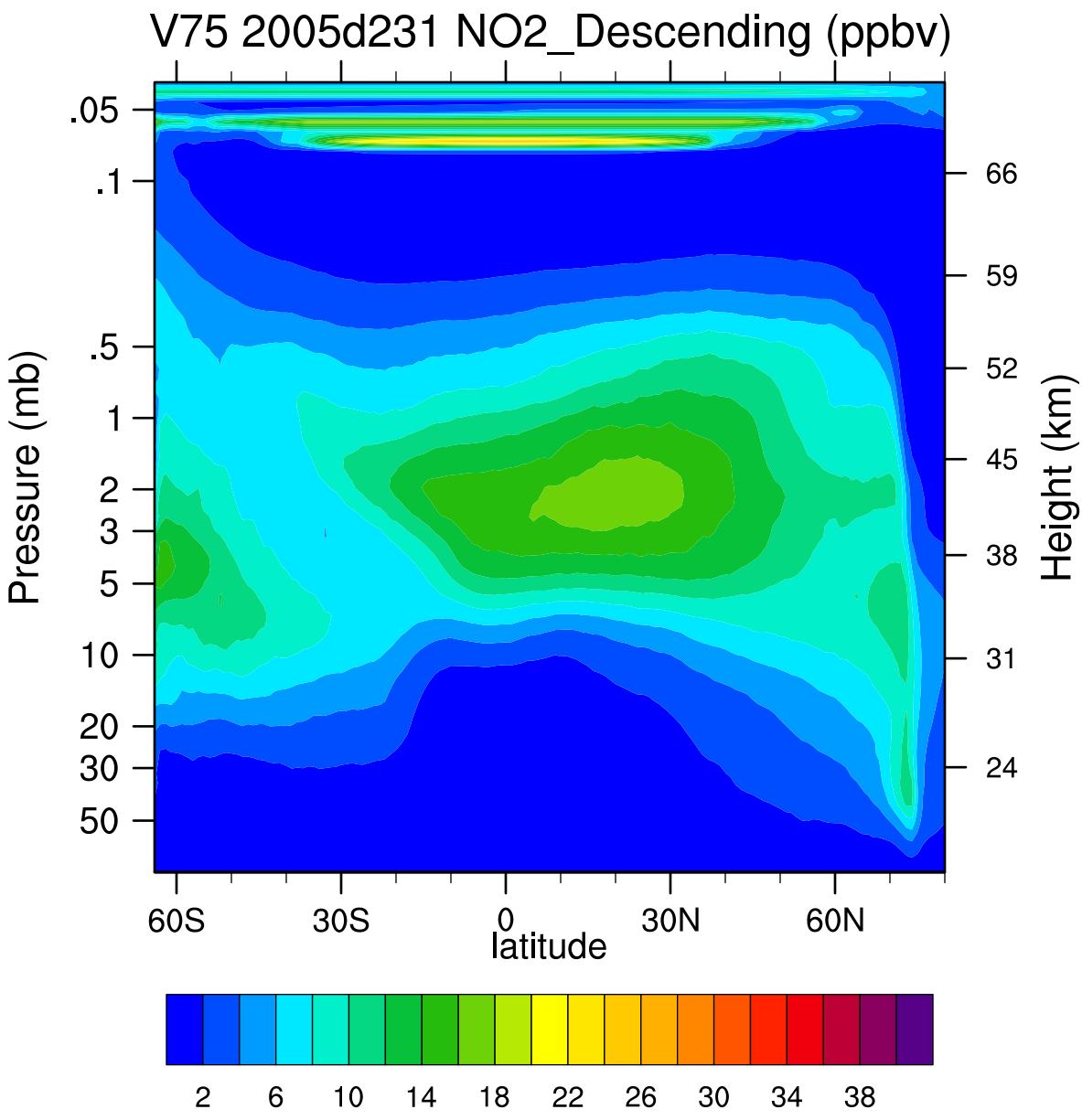
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Pressure (mb)
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1
2
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5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
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14
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26
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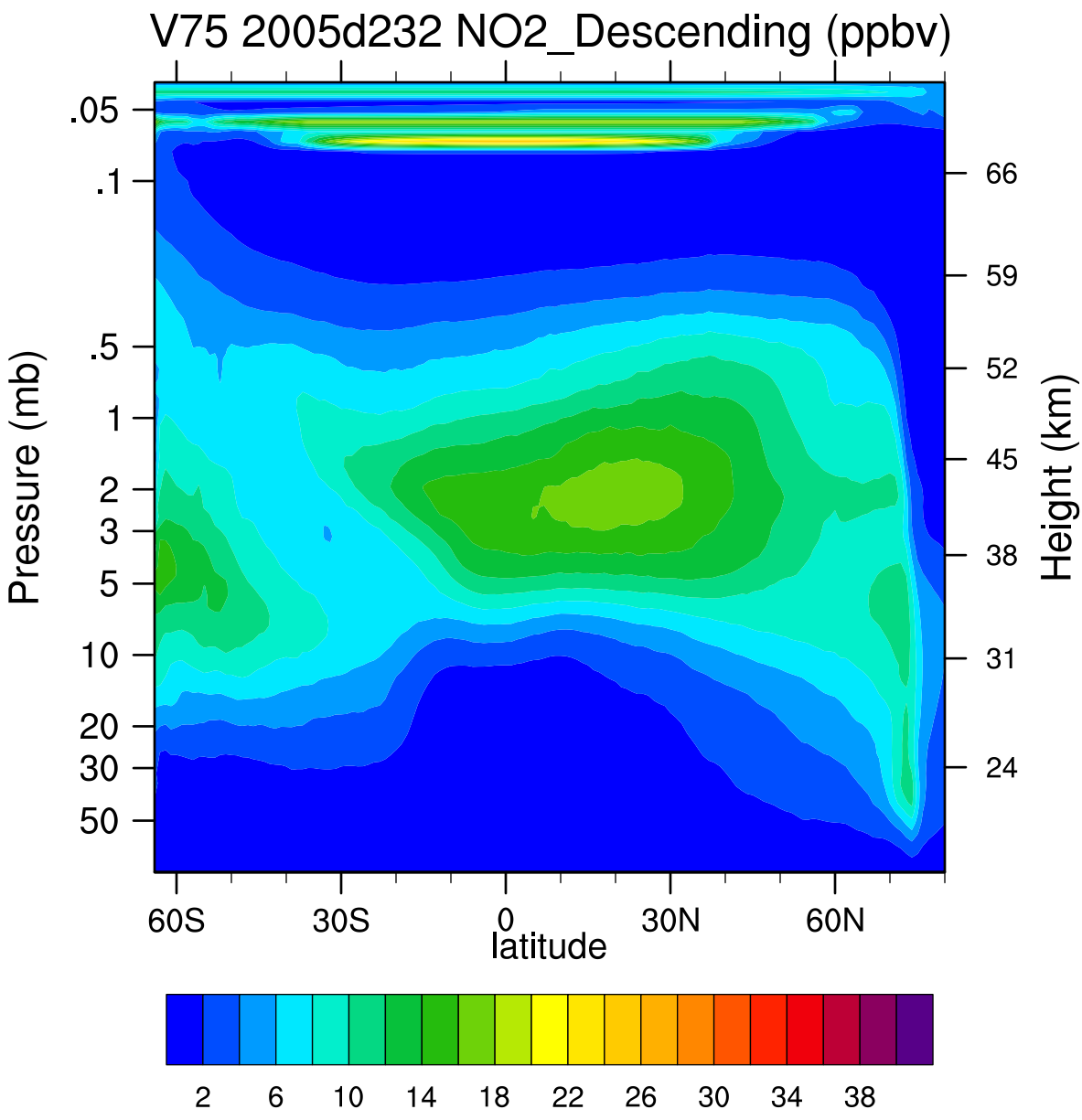
V75 2005d232 NO2_Descending (ppbv)
Pressure (mb)
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5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
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26
30
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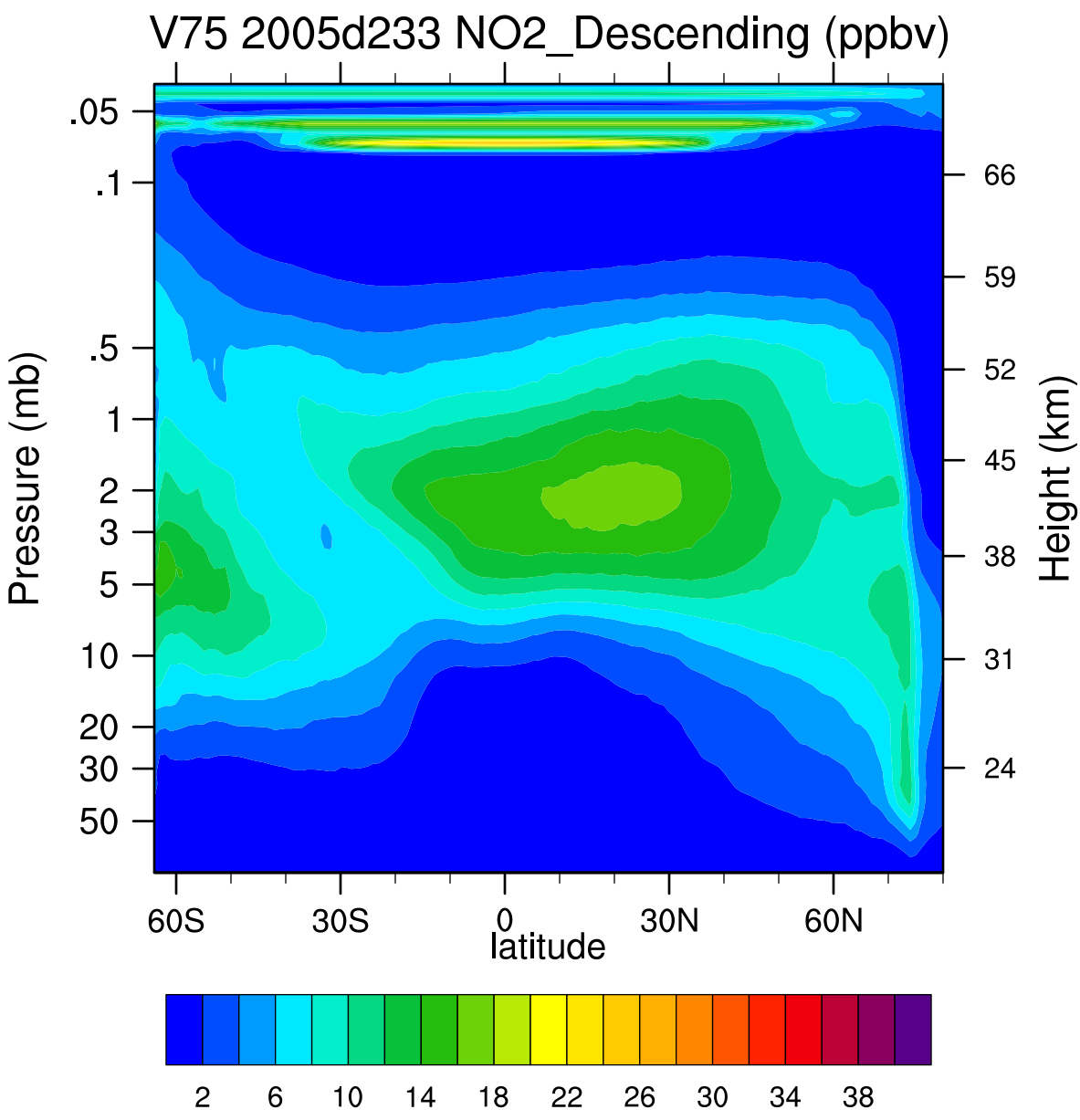
V75 2005d233 NO2_Descending (ppbv)
Pressure (mb)
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5
10
20
30
50
Height (km)
66
59
52
45
38
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24
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30N
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latitude
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26
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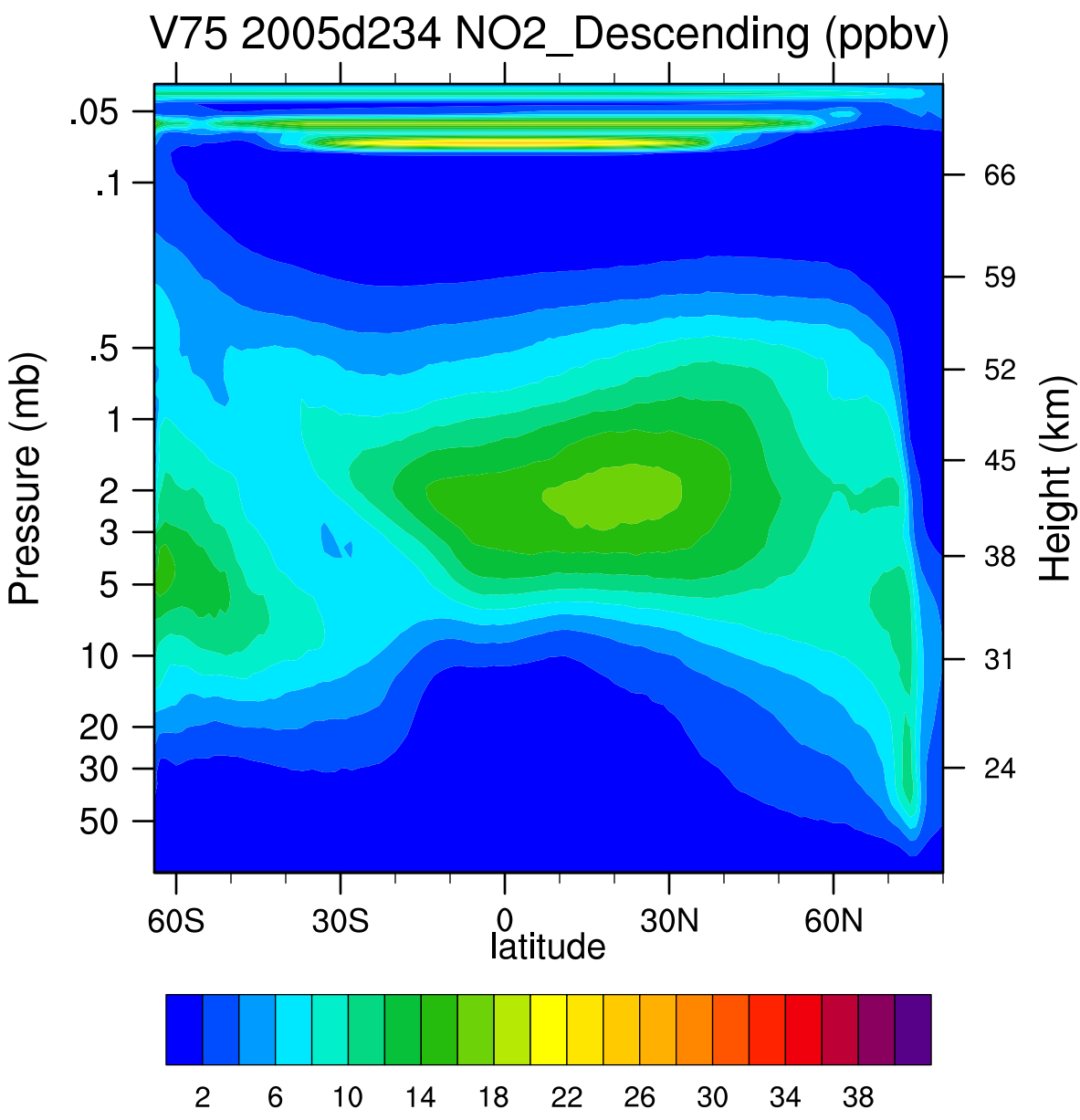
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Pressure (mb)
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5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
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26
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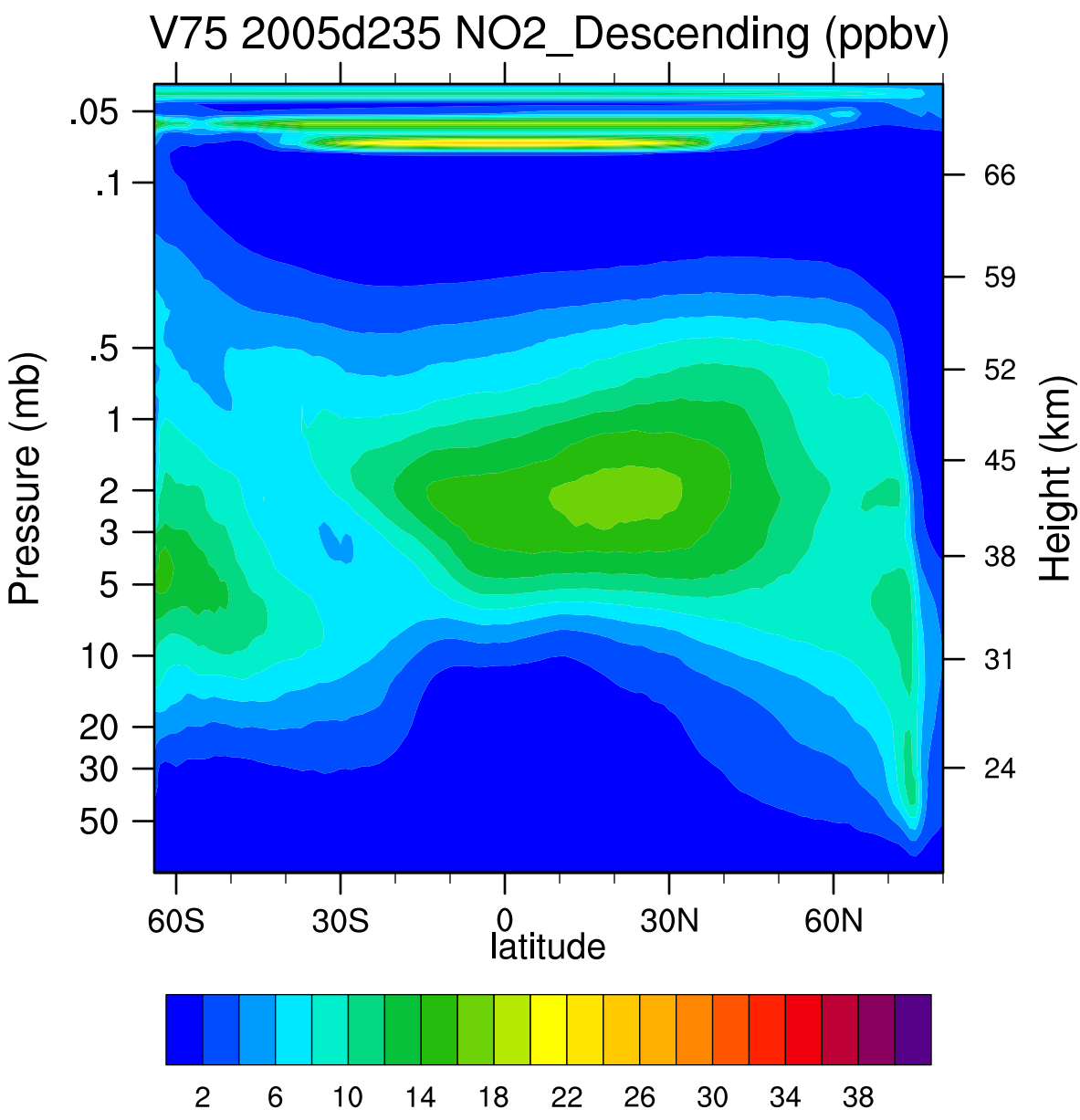
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20
30
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Pressure (mb)
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59
52
45
38
31
24
Height (km)
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30S
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30N
60N
latitude
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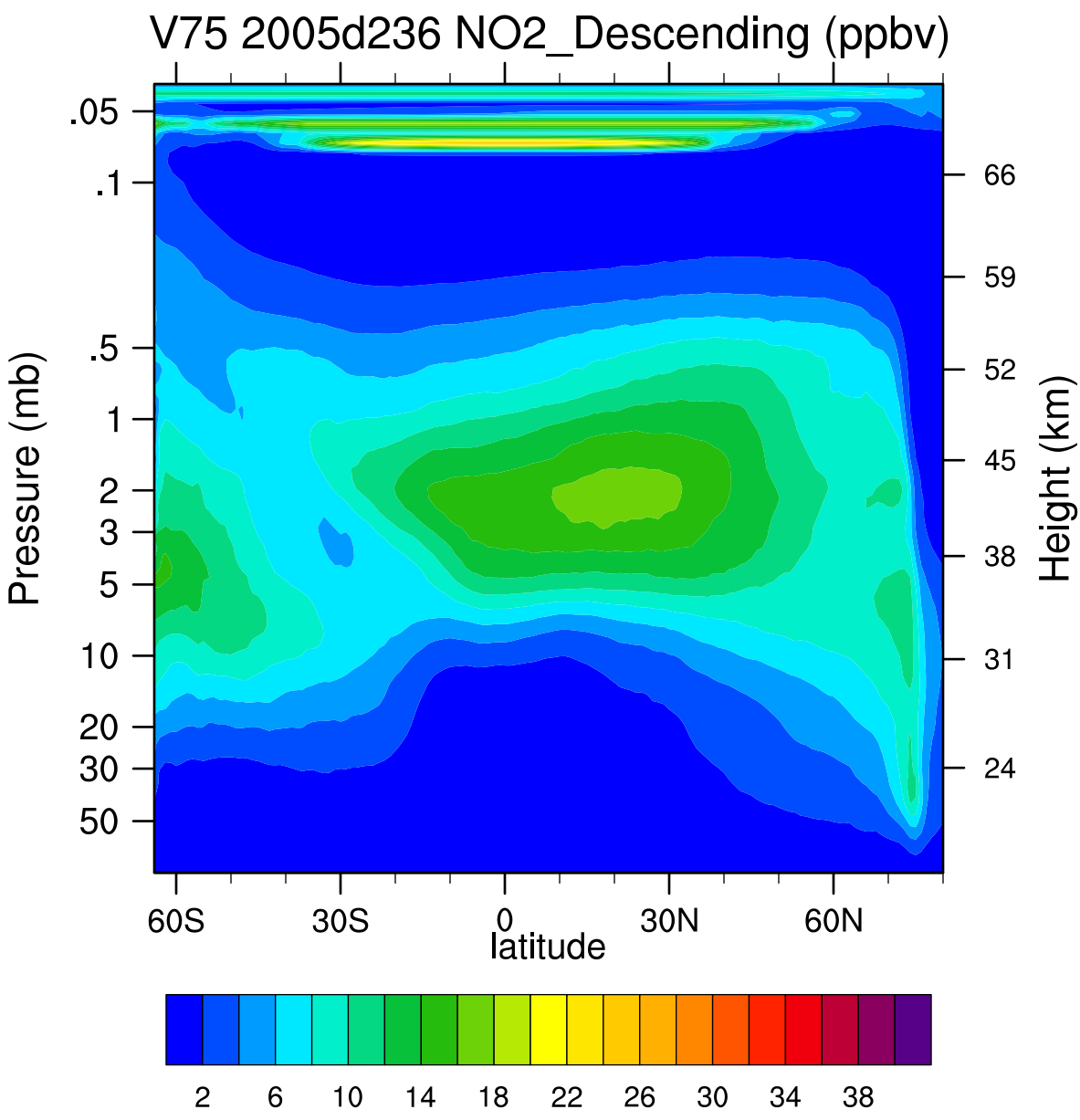
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.5
1
2
3
5
10
20
30
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Pressure (mb)
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59
52
45
38
31
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Height (km)
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30S
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30N
60N
latitude
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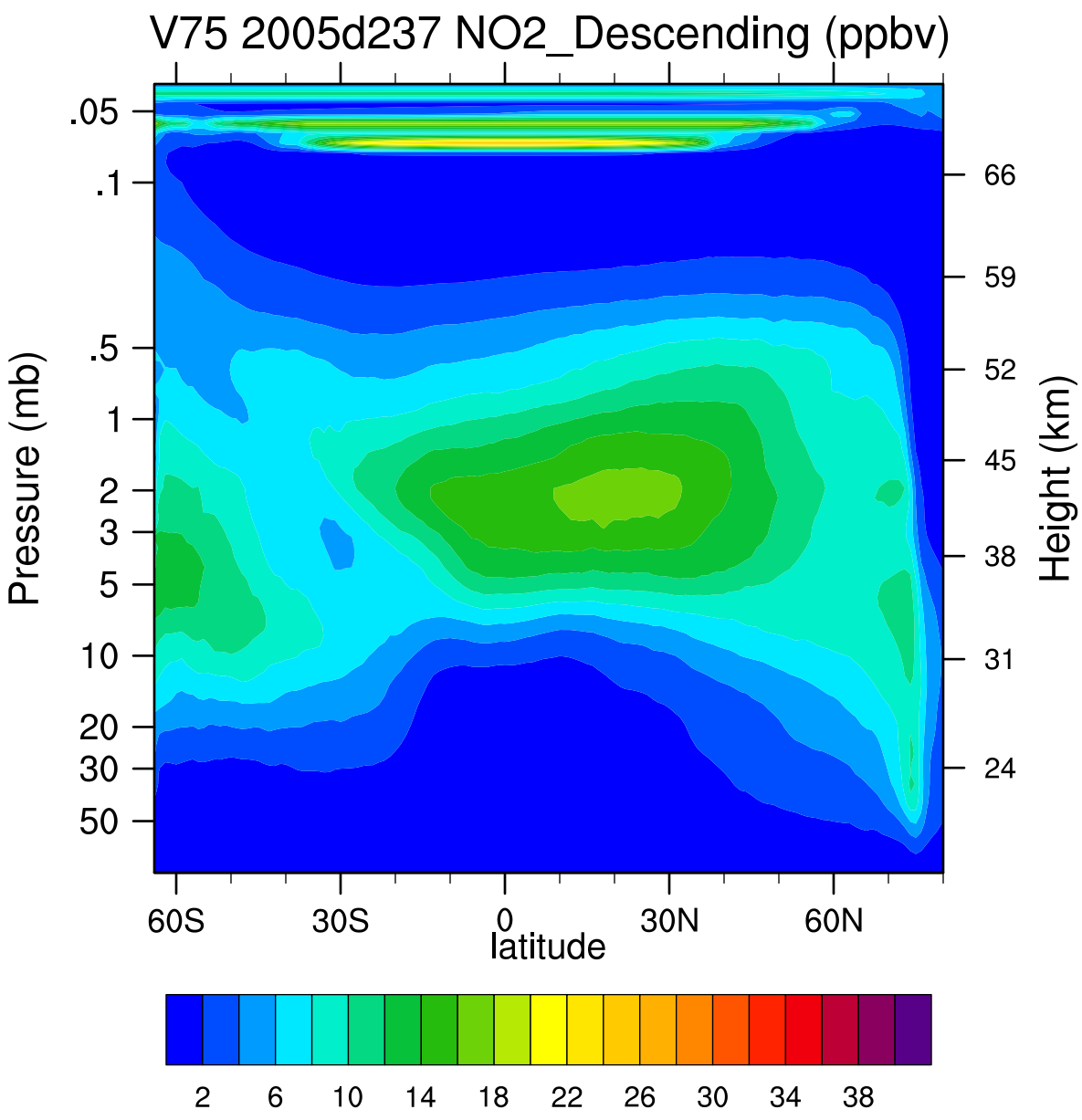
V75 2005d237 NO2_Descending (ppbv)
Pressure (mb)
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.5
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2
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5
10
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30
50
Height (km)
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59
52
45
38
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24
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30S
0
30N
60N
latitude
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26
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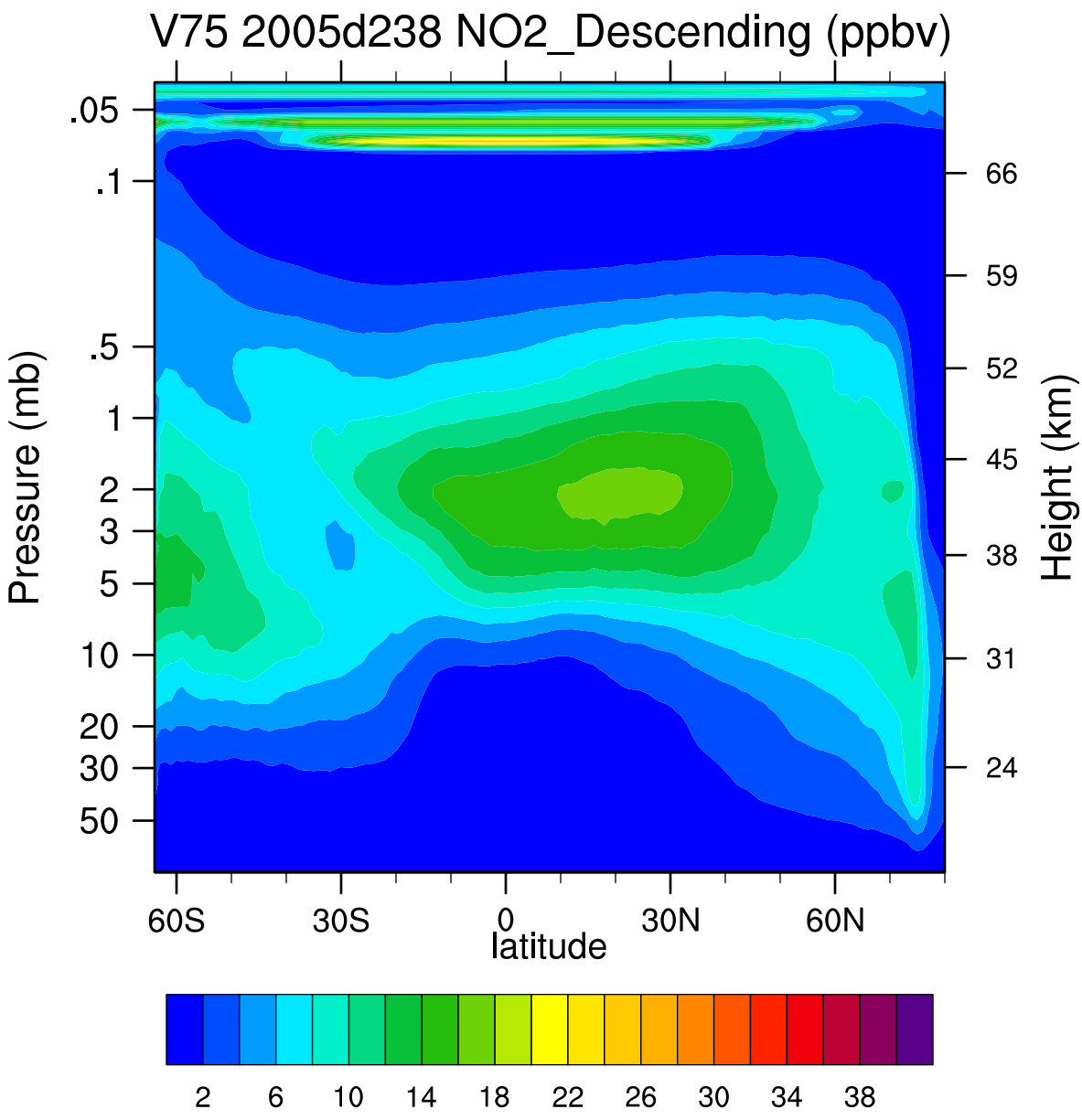
V75 2005d238 NO2_Descending (ppbv)
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.5
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3
5
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20
30
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Pressure (mb)
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59
52
45
38
31
24
Height (km)
60S
30S
0
30N
60N
latitude
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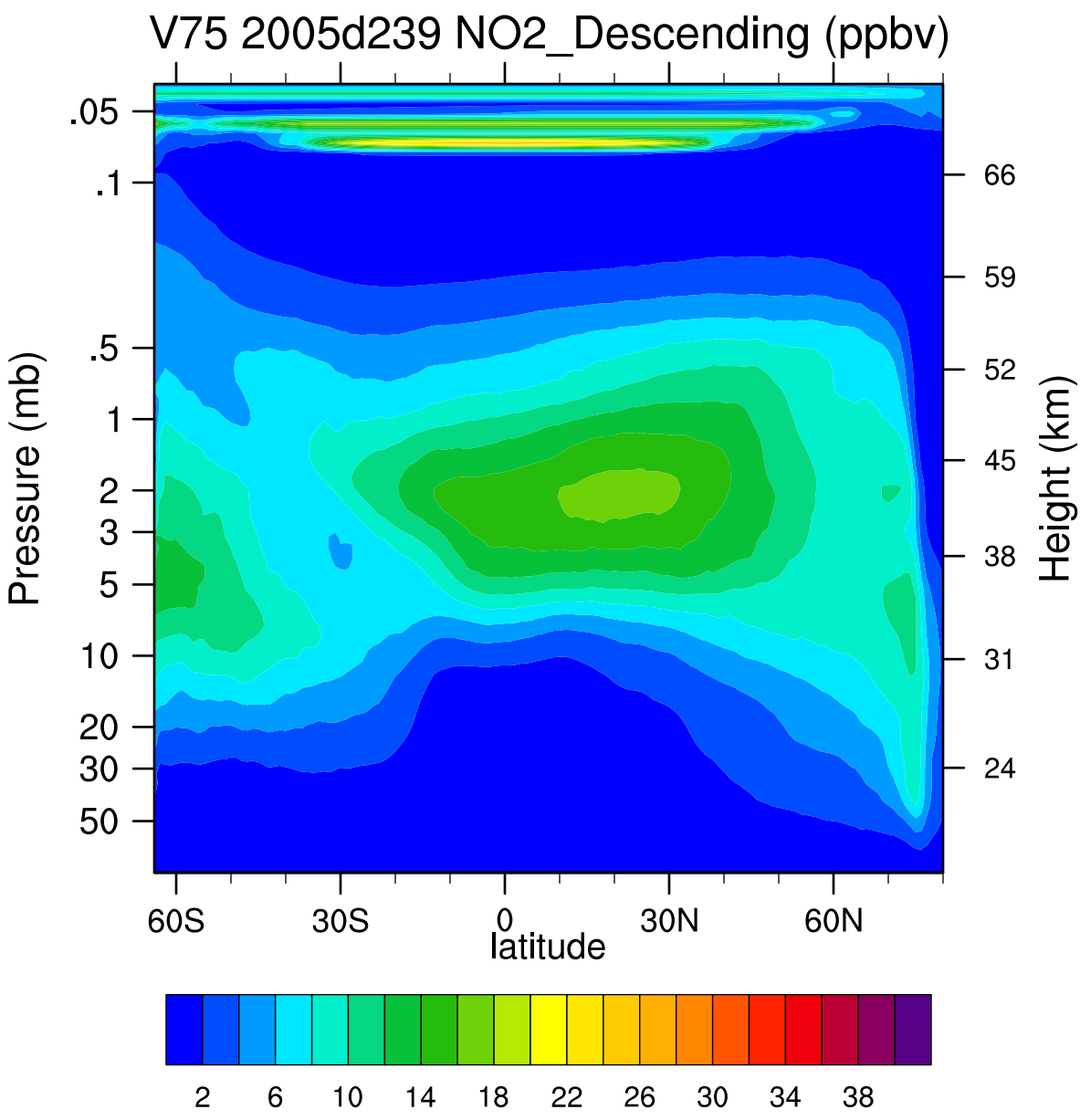
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Pressure (mb)
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.5
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5
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Height (km)
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59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
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26
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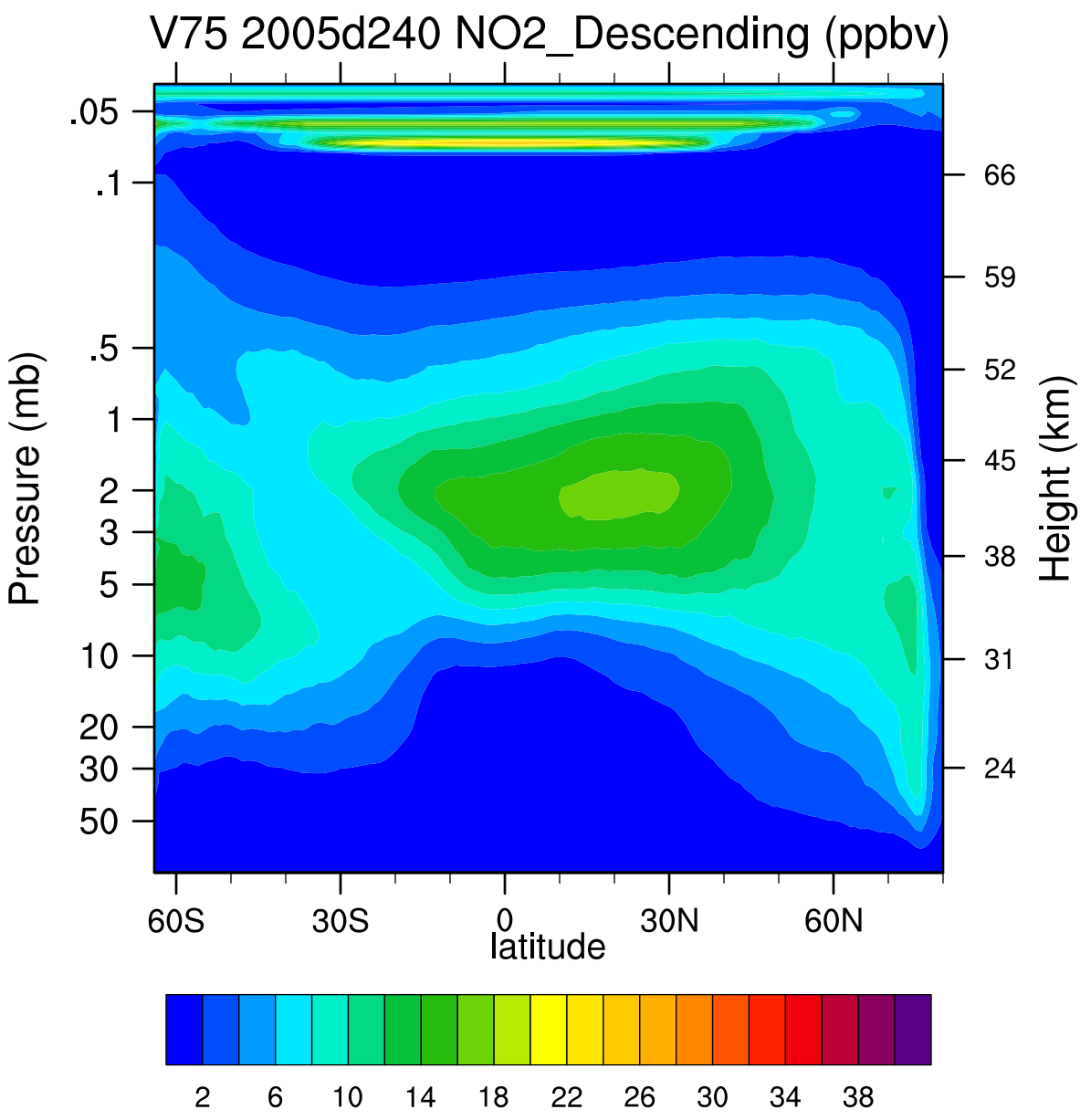
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Pressure (mb)
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.5
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20
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Height (km)
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59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
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10
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22
26
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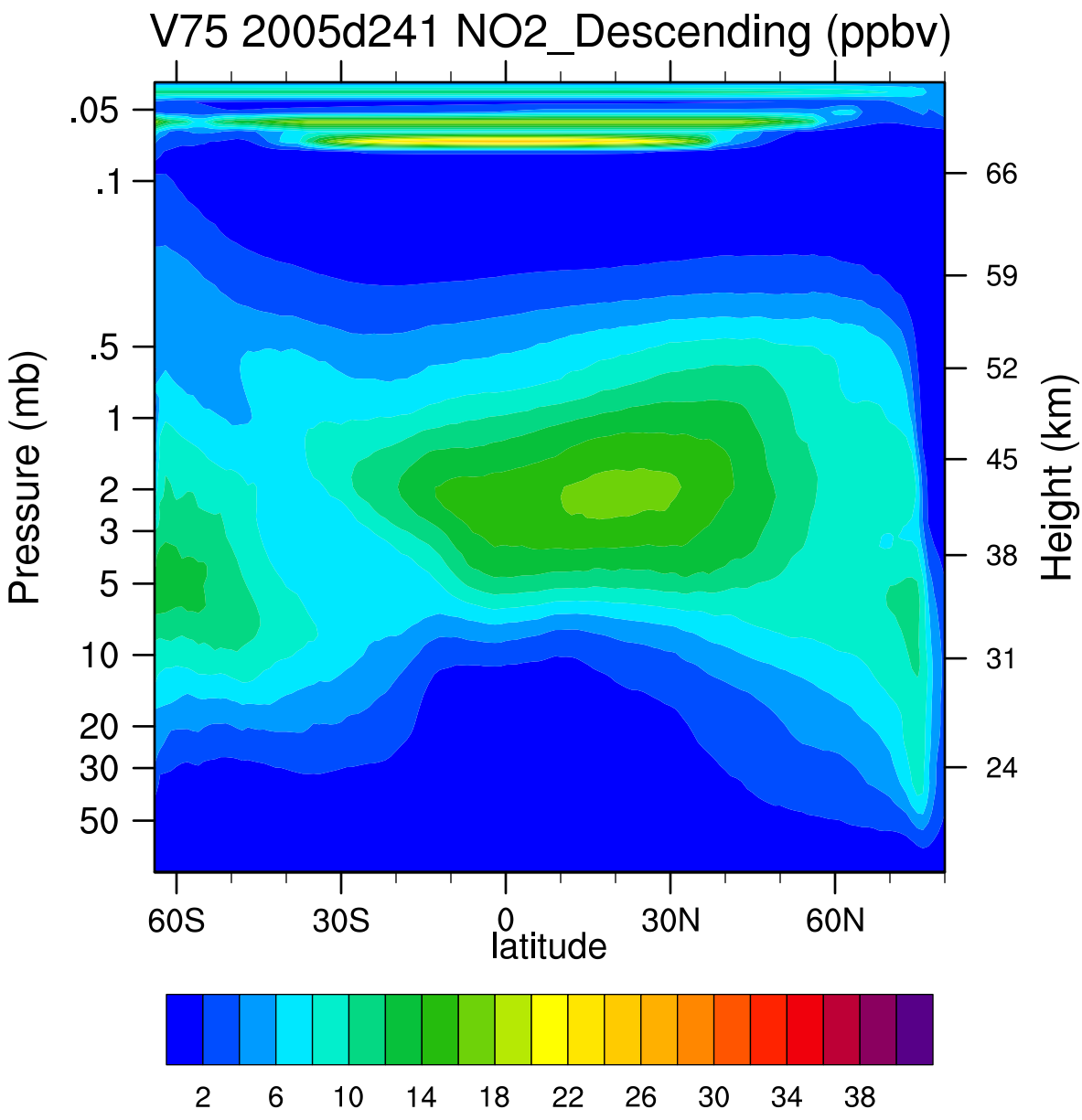
V75 2005d241 NO2_Descending (ppbv)
Pressure (mb)
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5
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20
30
50
Height (km)
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59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
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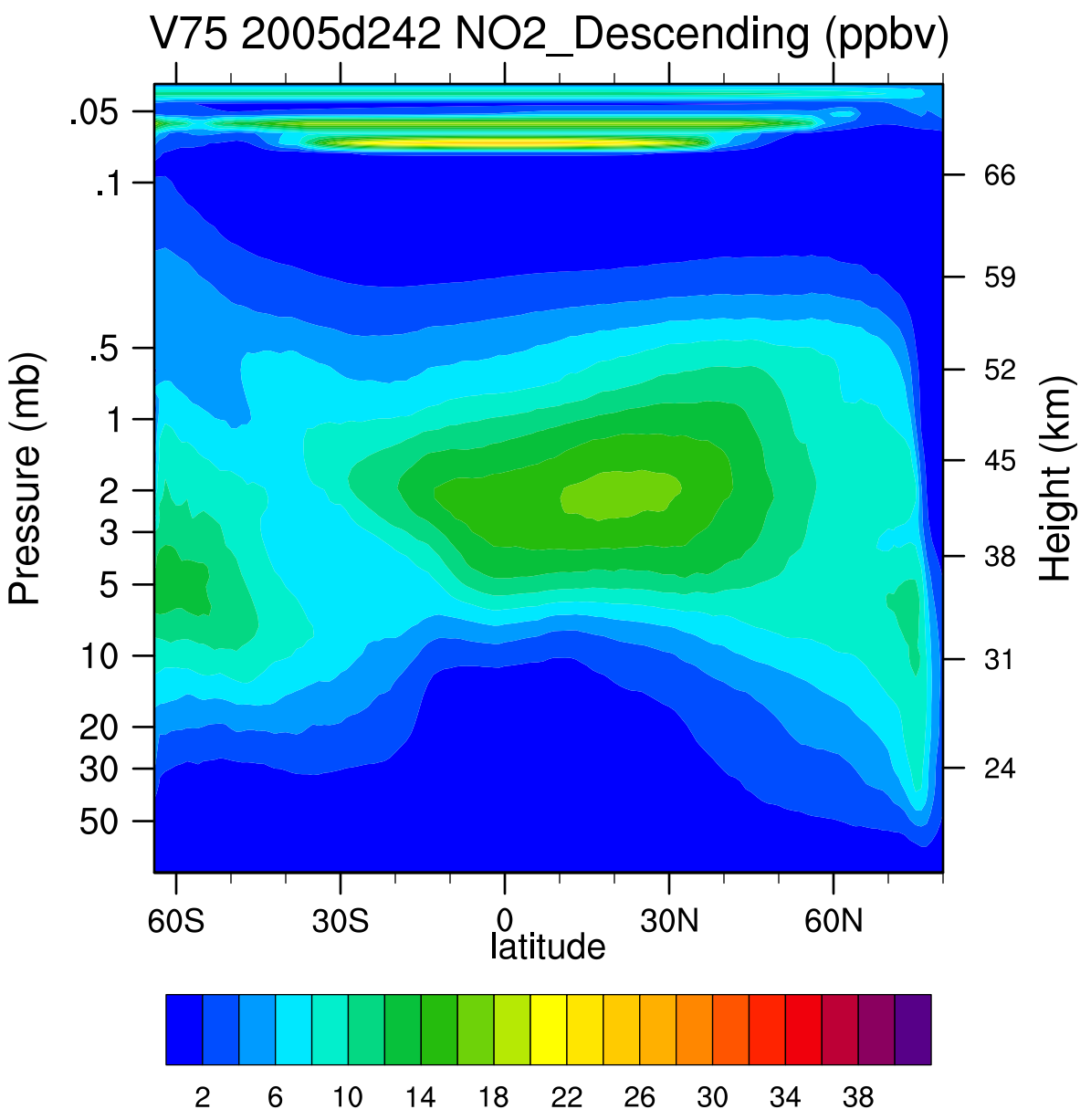
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Pressure (mb)
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59
52
45
38
31
24
Height (km)
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30S
0
30N
60N
latitude
2
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10
14
18
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26
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34
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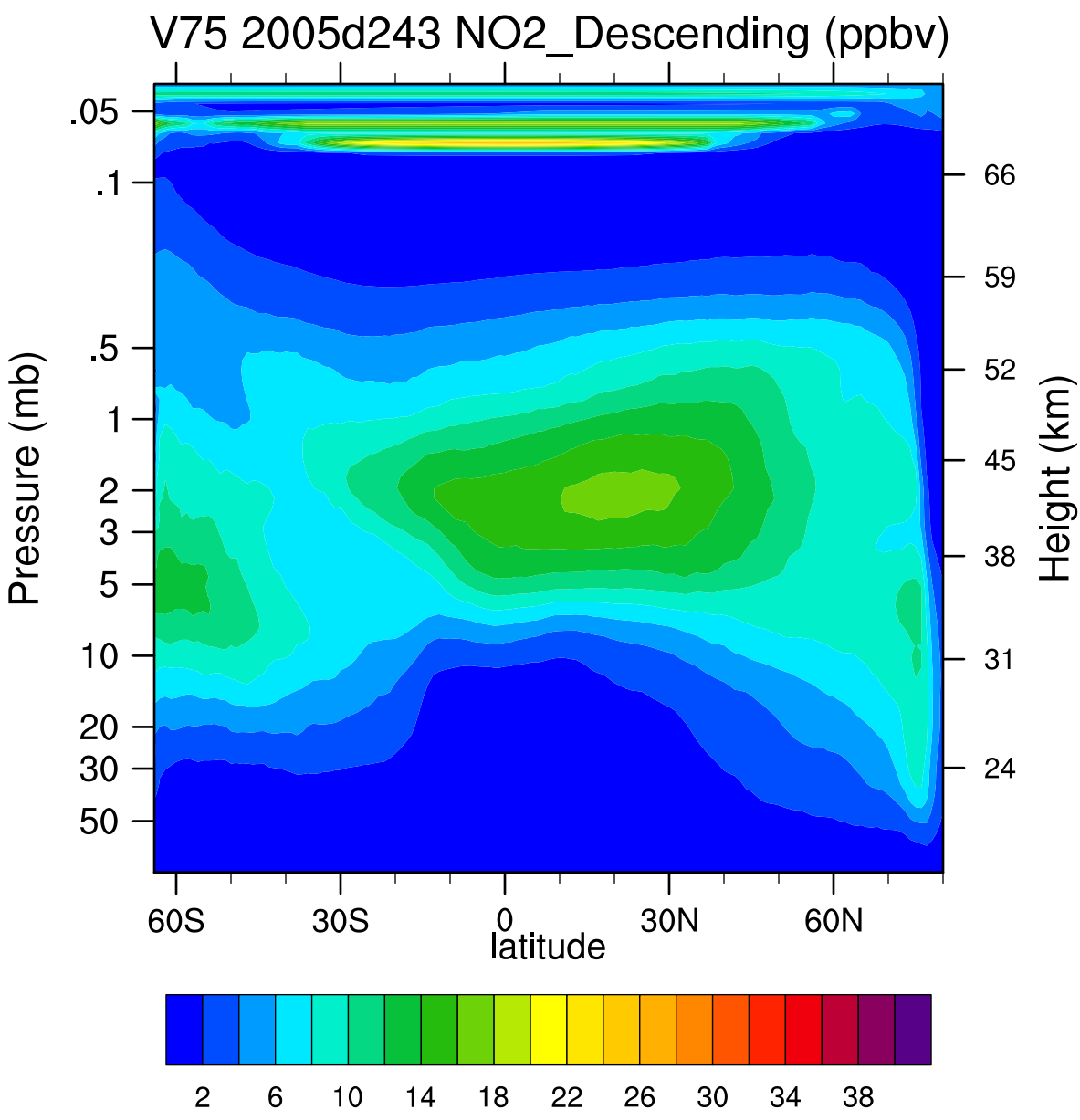
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Height (km)
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59
52
45
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24
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30S
0
30N
60N
latitude
2
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26
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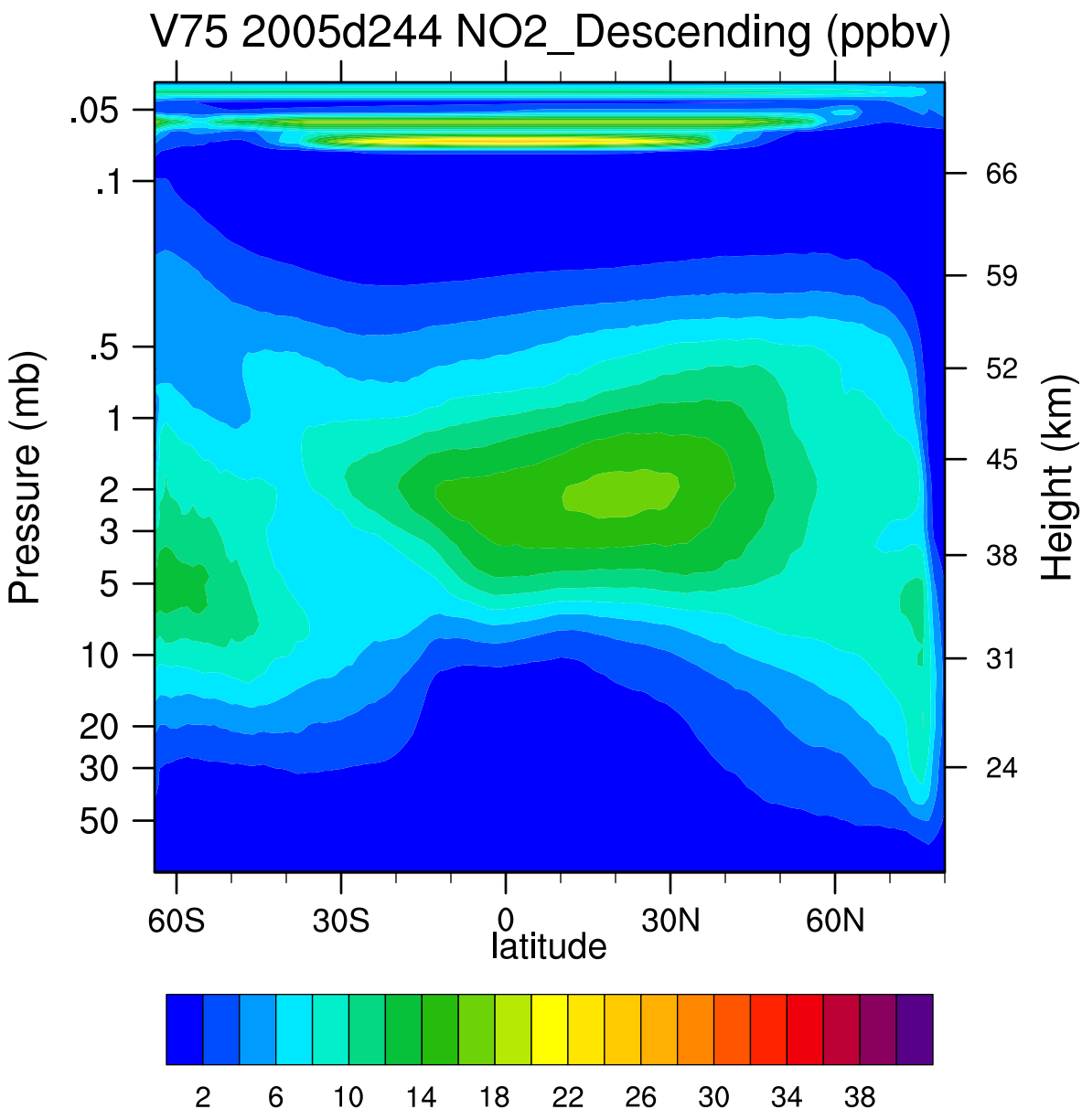
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Height (km)
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59
52
45
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24
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30S
0
30N
60N
latitude
2
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26
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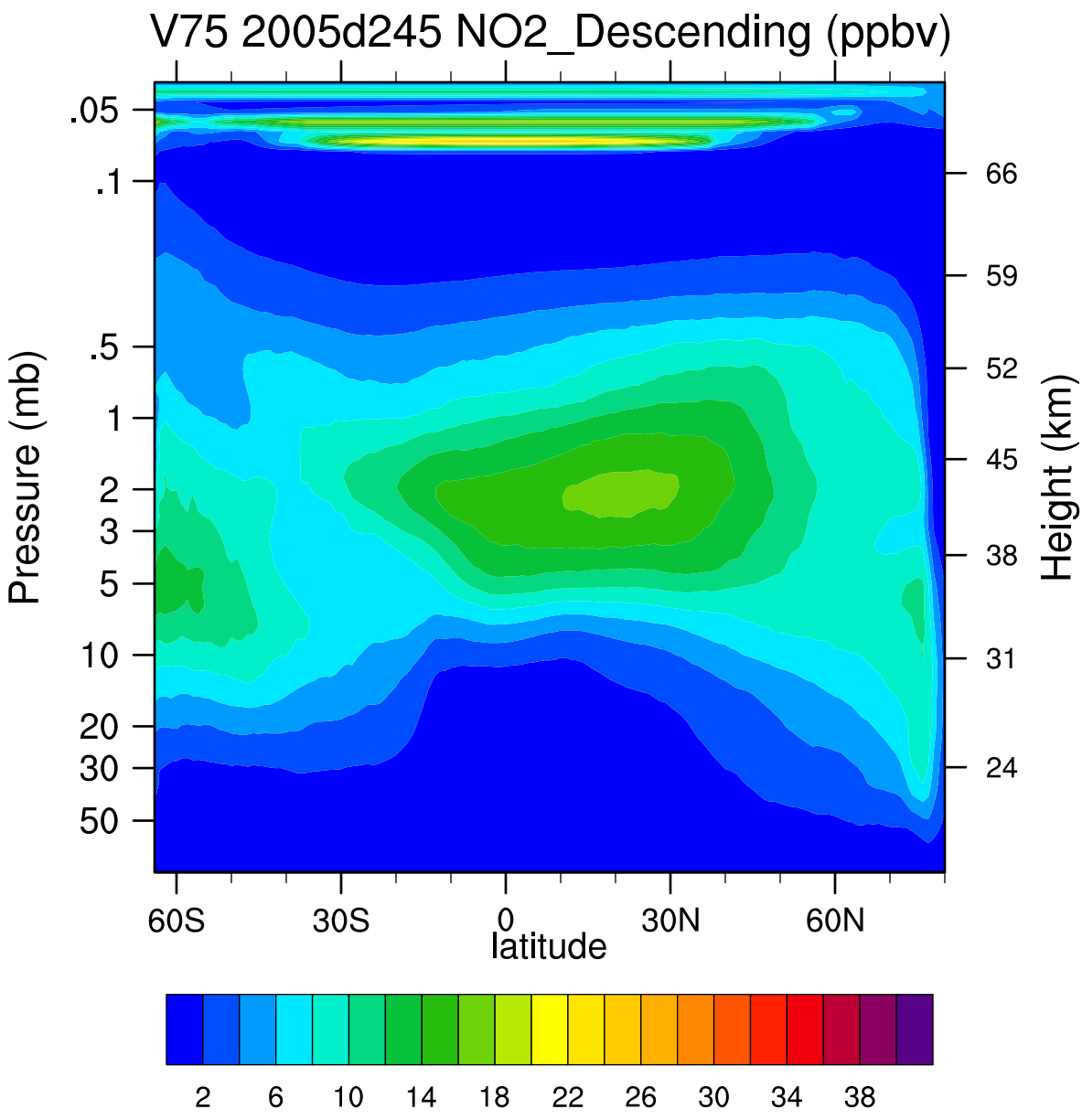
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Height (km)
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59
52
45
38
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24
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30S
0
30N
60N
latitude
2
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14
18
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26
30
34
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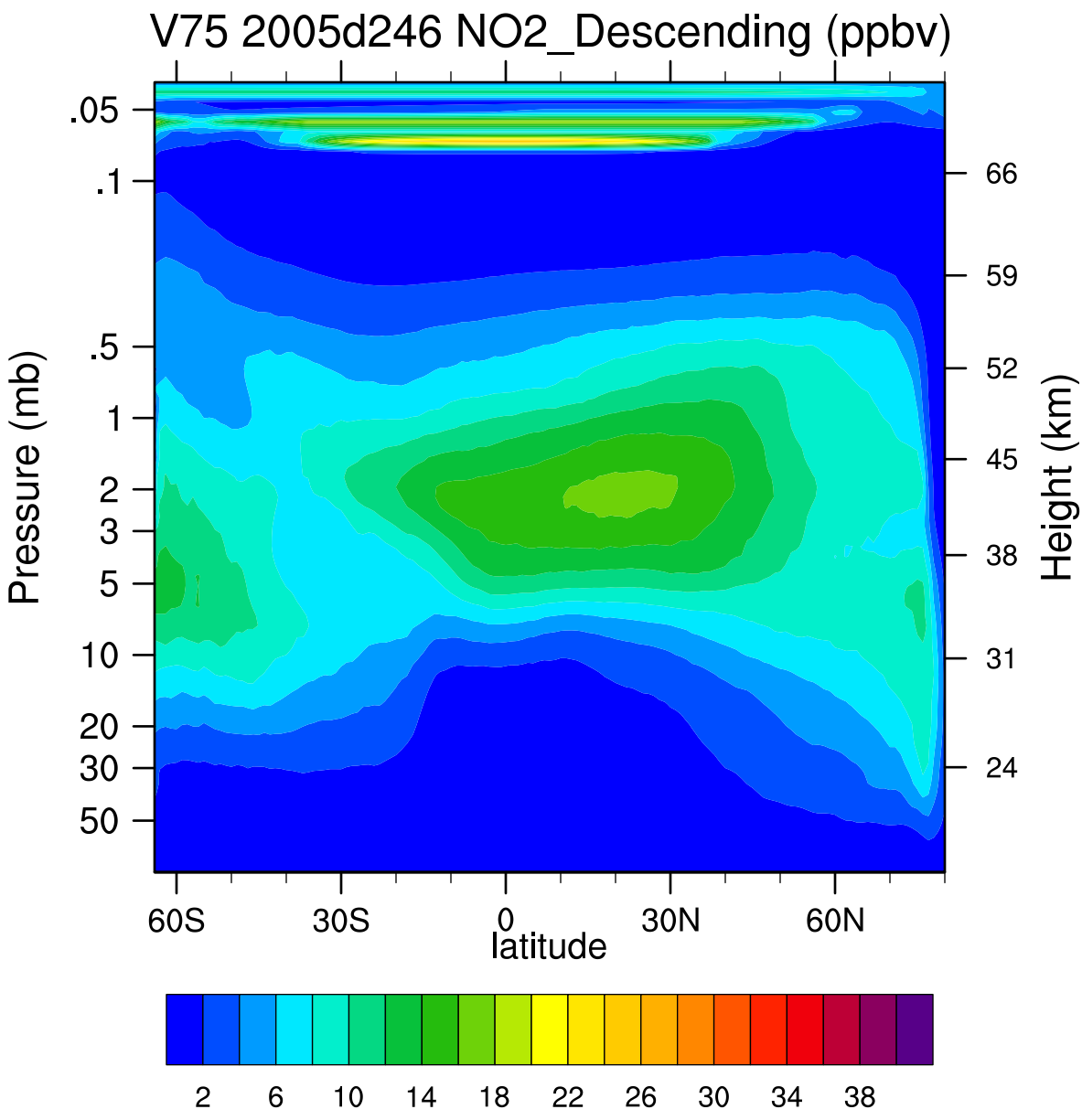
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Pressure (mb)
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5
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Height (km)
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59
52
45
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24
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30S
0
30N
60N
latitude
2
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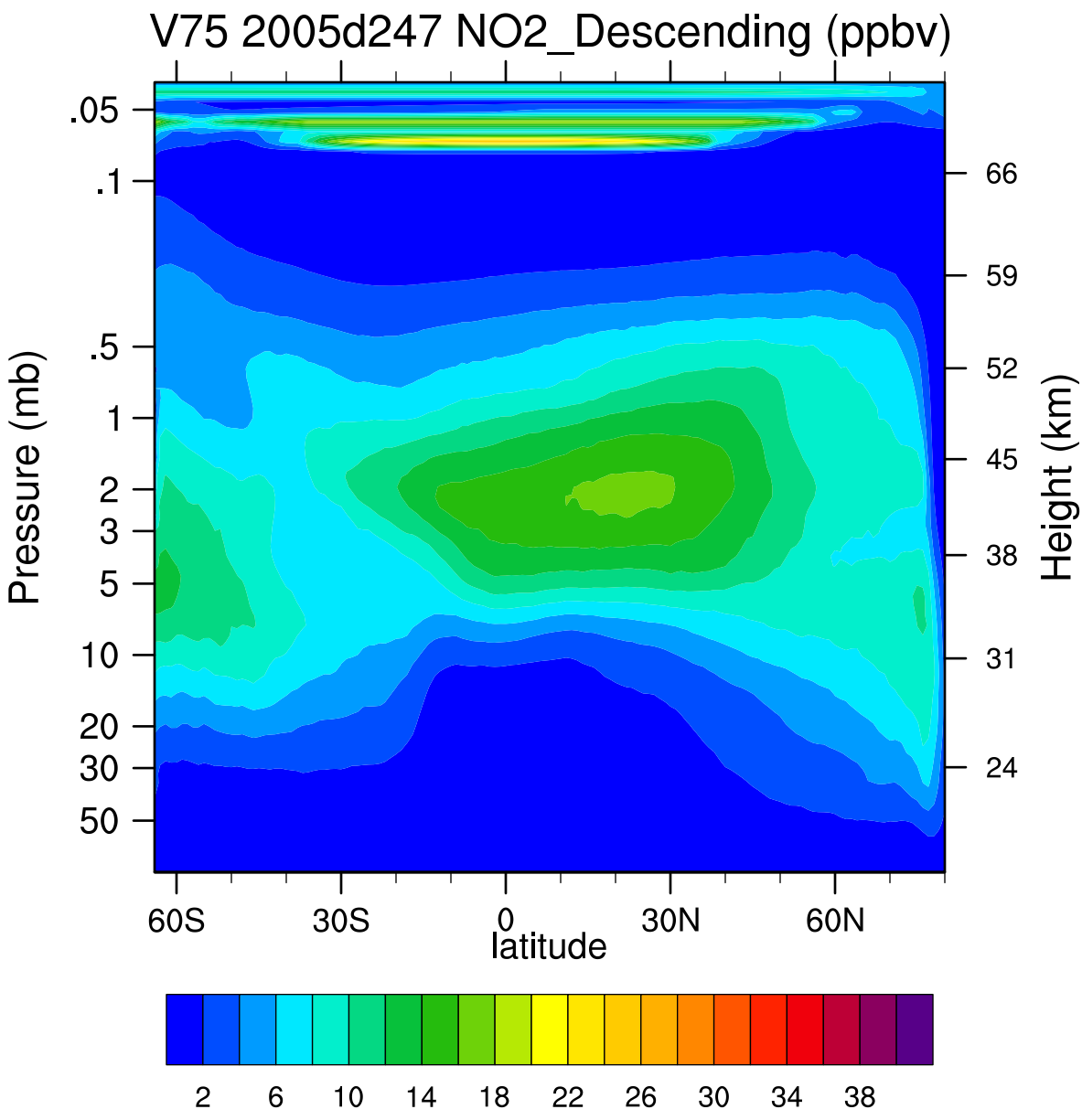
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Height (km)
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59
52
45
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24
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30S
0
30N
60N
latitude
2
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18
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26
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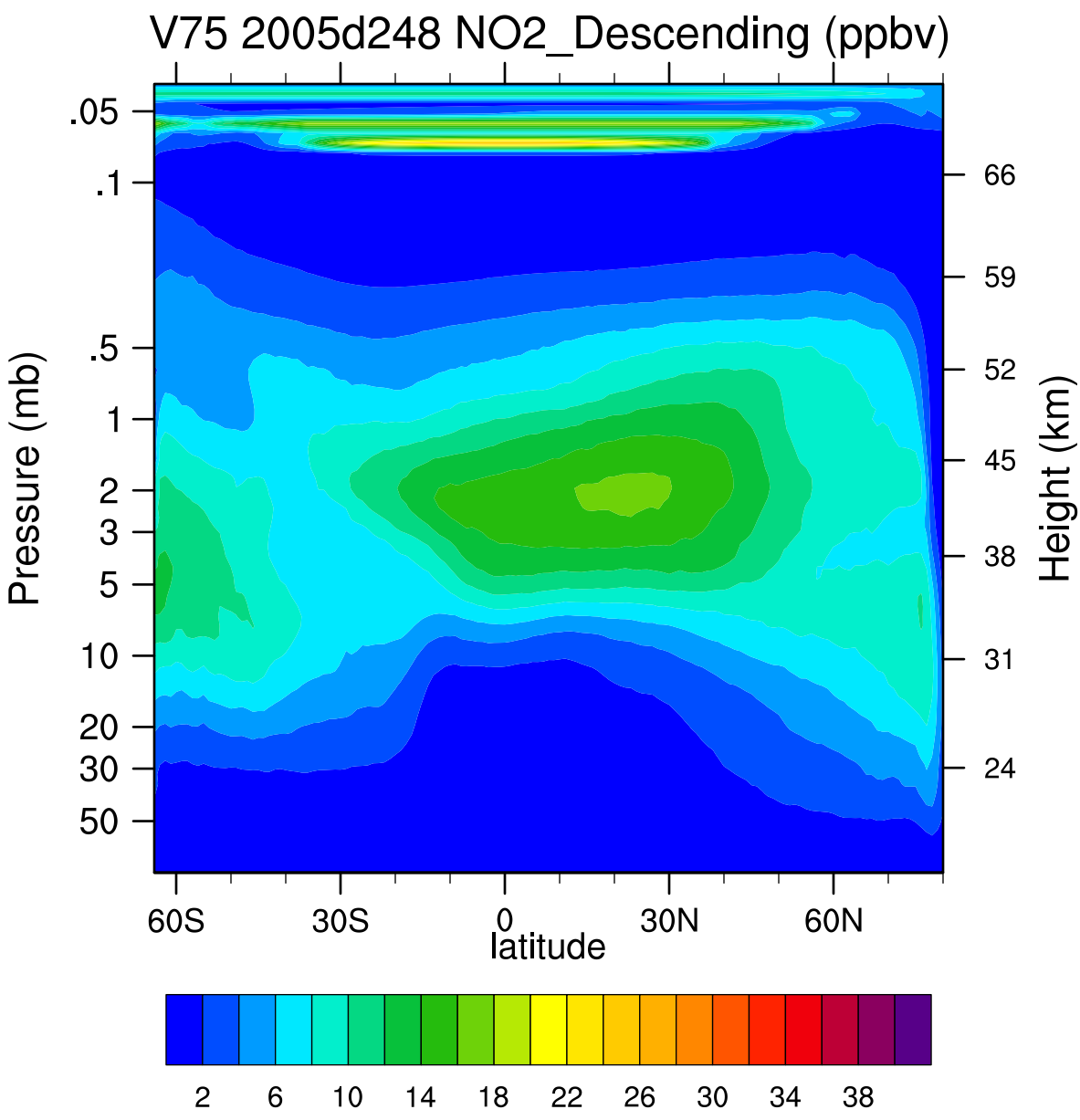
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Pressure (mb)
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Height (km)
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59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
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10
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26
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34
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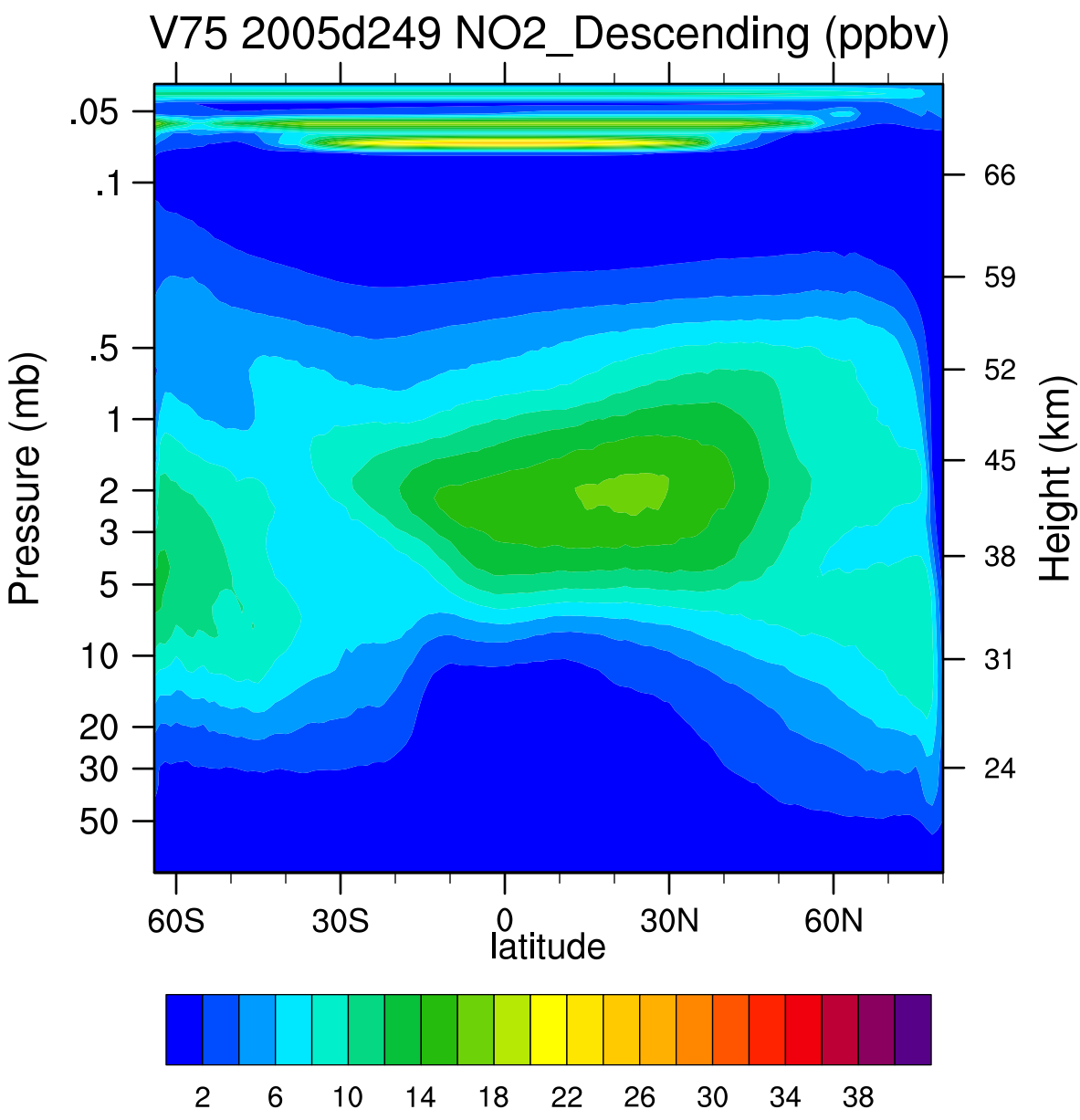
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20
30
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Pressure (mb)
66
59
52
45
38
31
24
Height (km)
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30S
0
30N
60N
latitude
2
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26
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34
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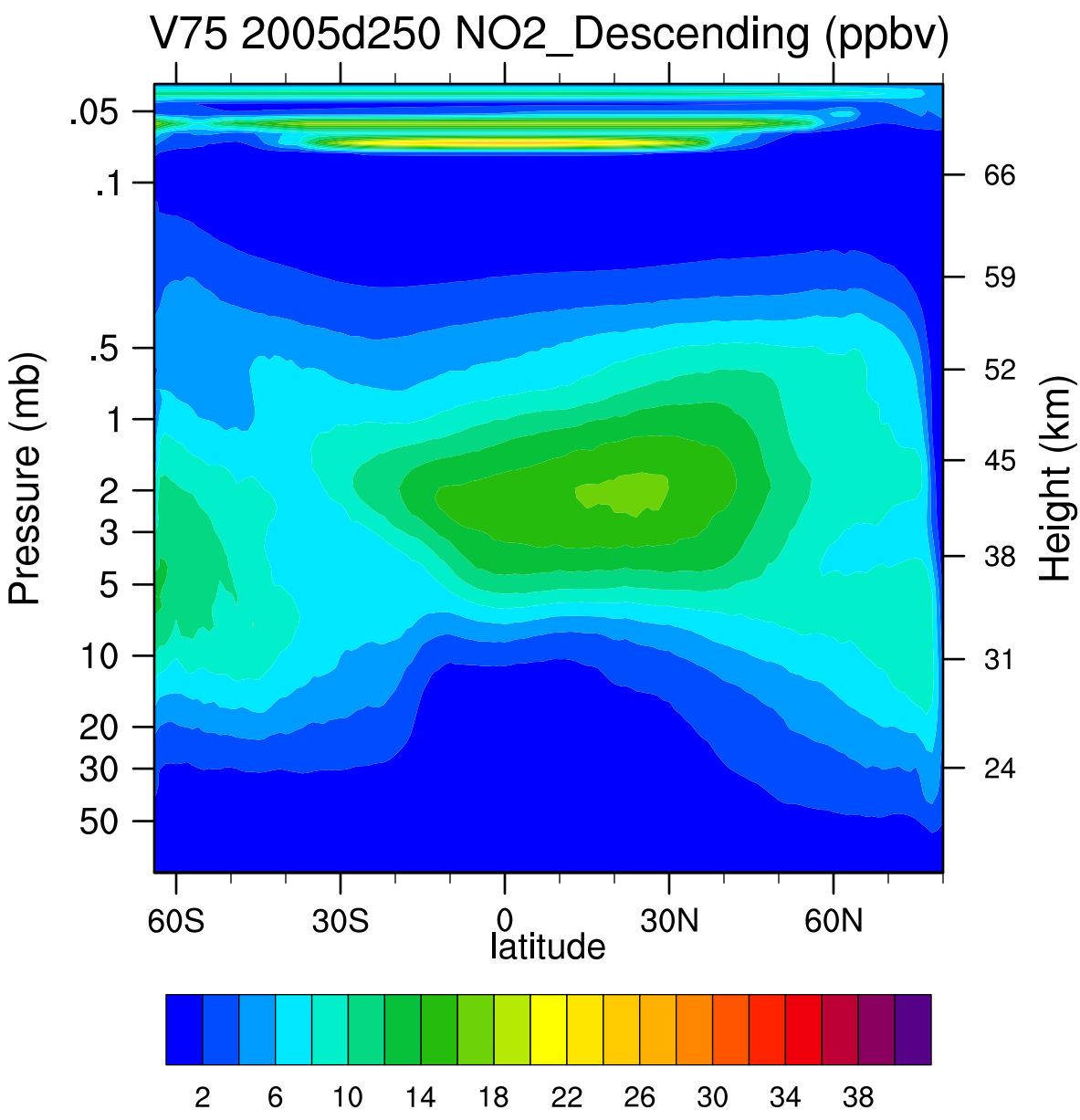
V75 2005d250 NO2_Descending (ppbv)
Pressure (mb)
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20
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Height (km)
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59
52
45
38
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24
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30S
0
30N
60N
latitude
2
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26
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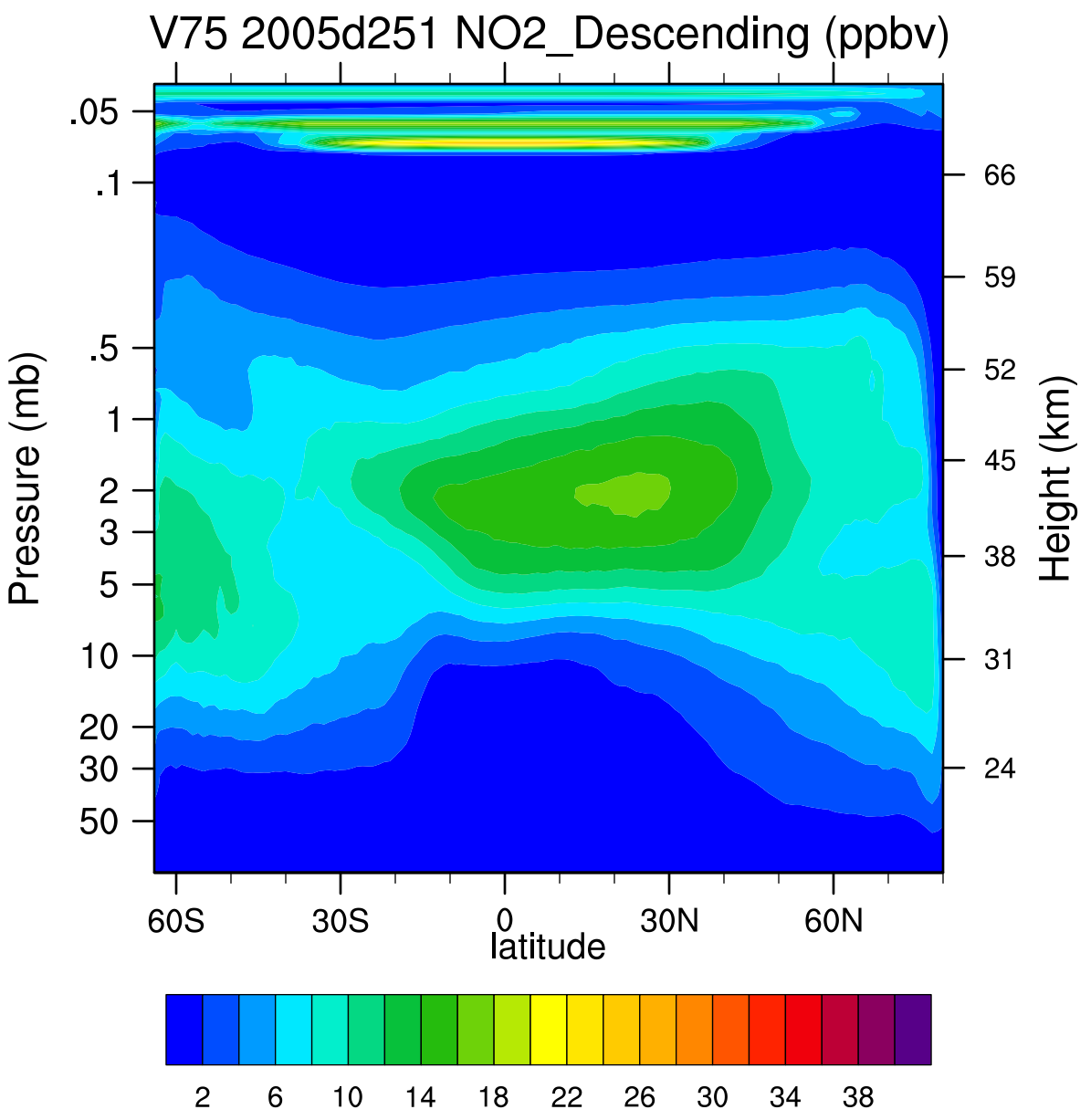
V75 2005d251 NO2_Descending (ppbv)
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.5
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2
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5
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20
30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
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30S
0
30N
60N
latitude
2
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30
34
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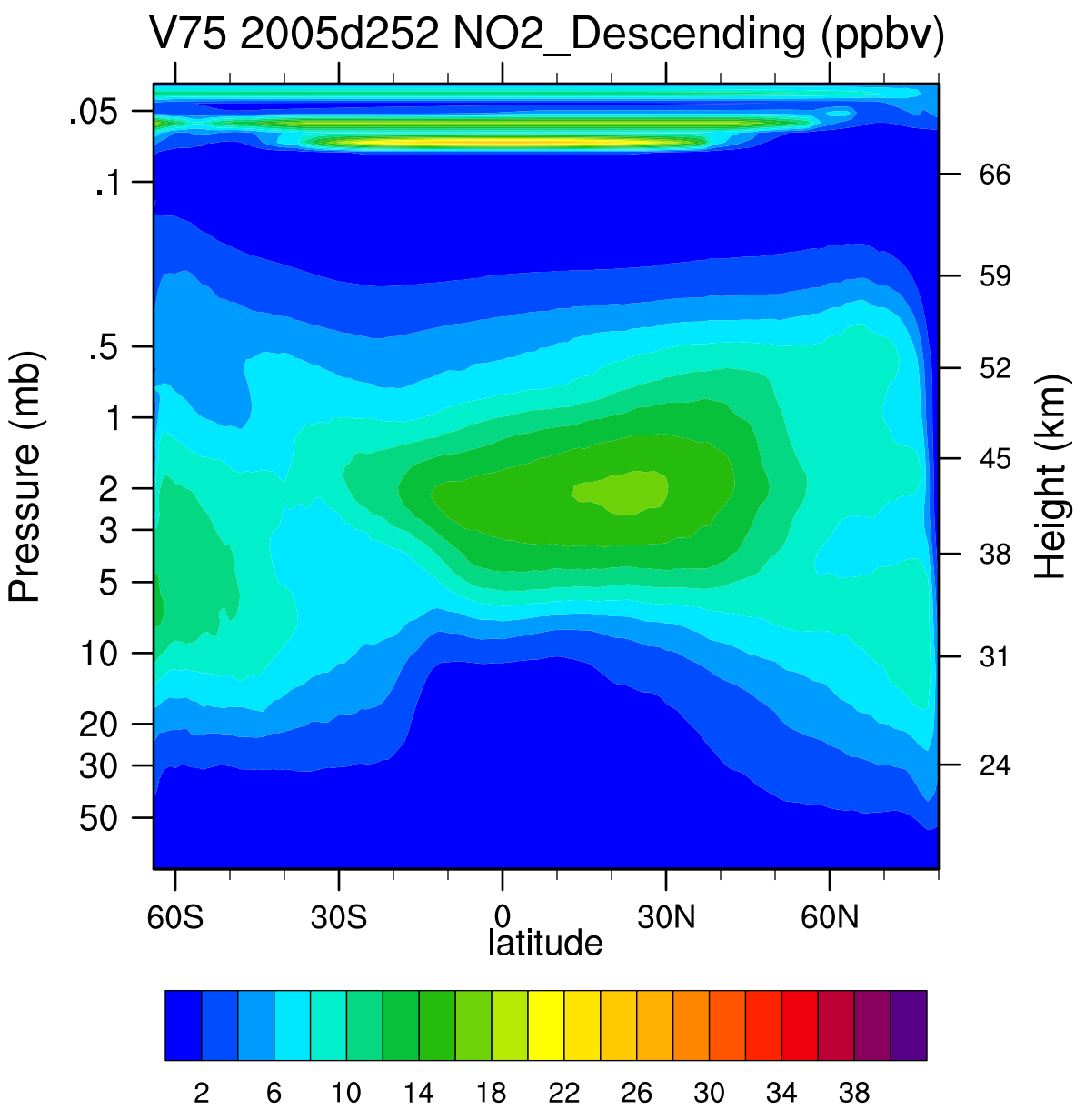
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Pressure (mb)
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2
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5
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20
30
50
Height (km)
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59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
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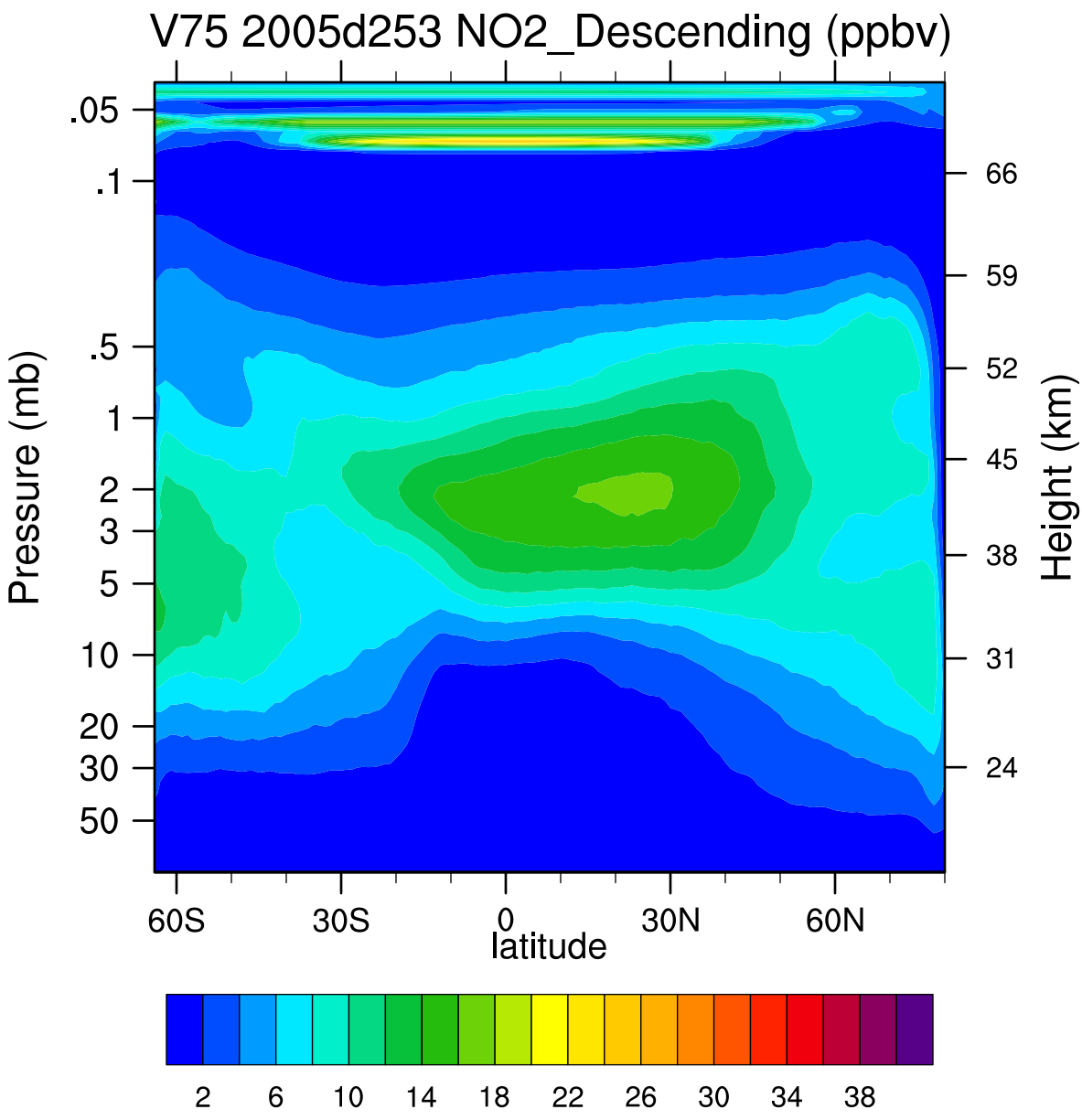
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.5
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2
3
5
10
20
30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
60S
30S
0
30N
60N
latitude
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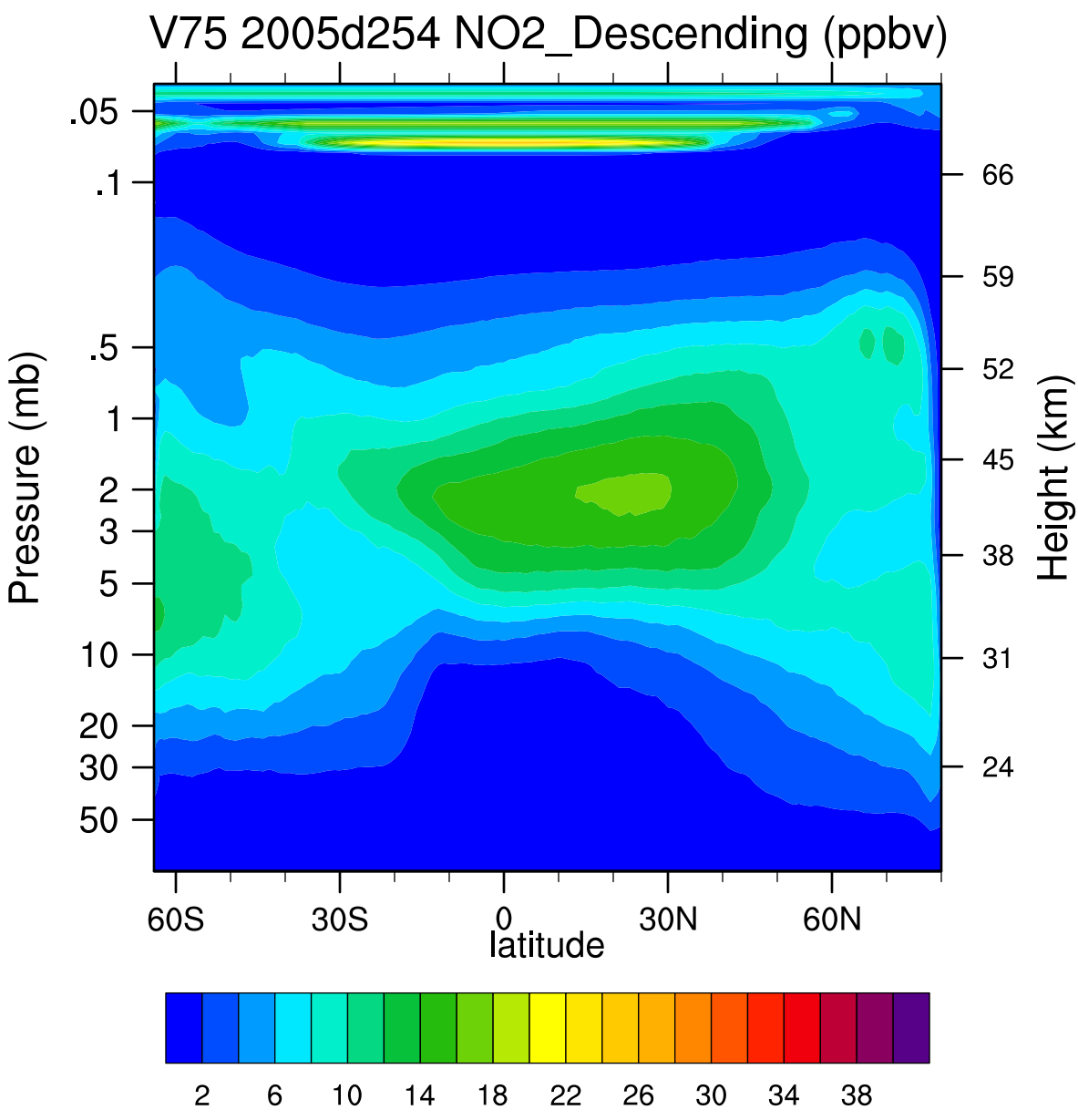
34
38


V75 2005d254 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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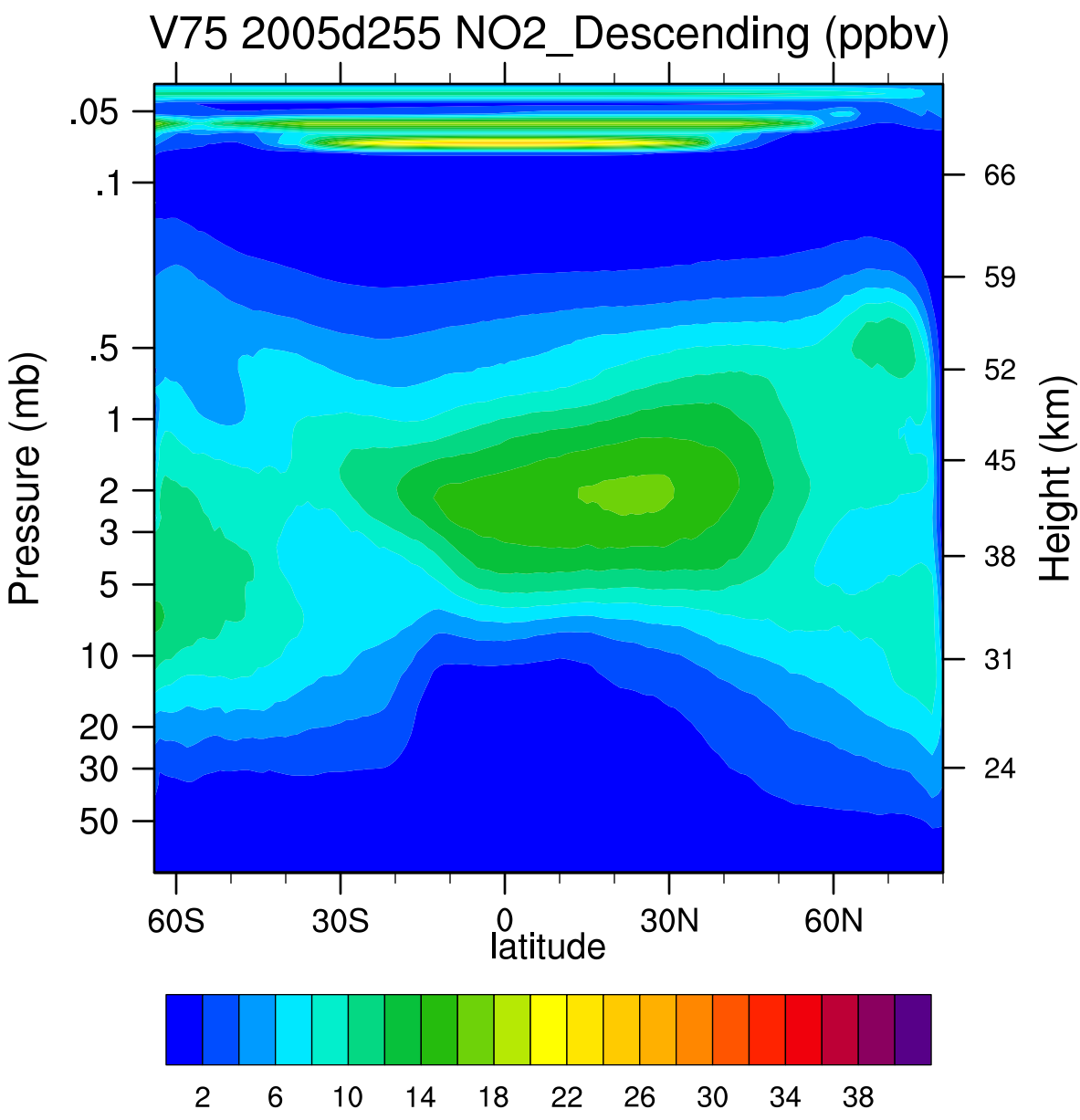
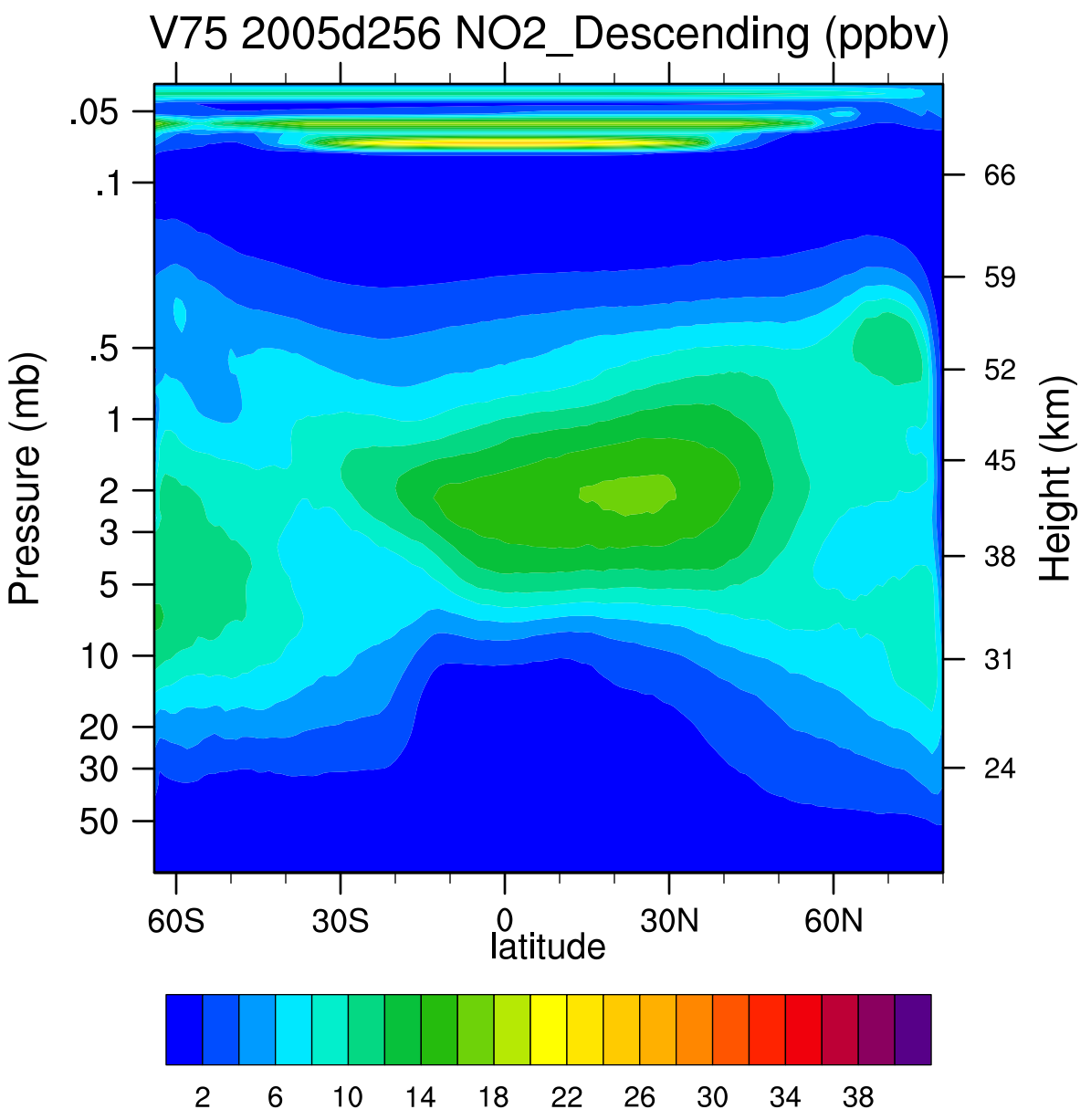
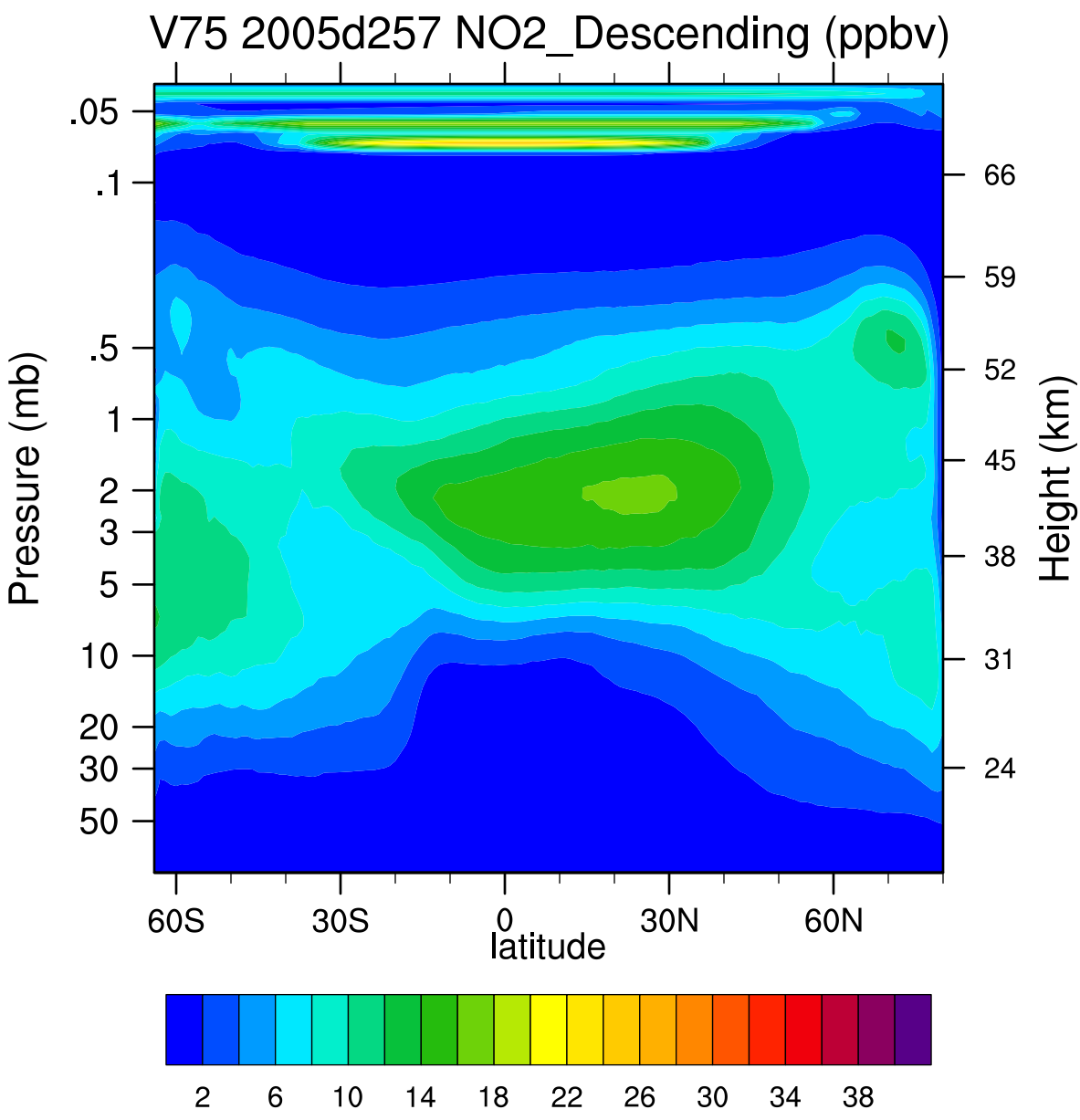

V75 2005d255 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d256 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d257 NO2_Descending (ppbv)
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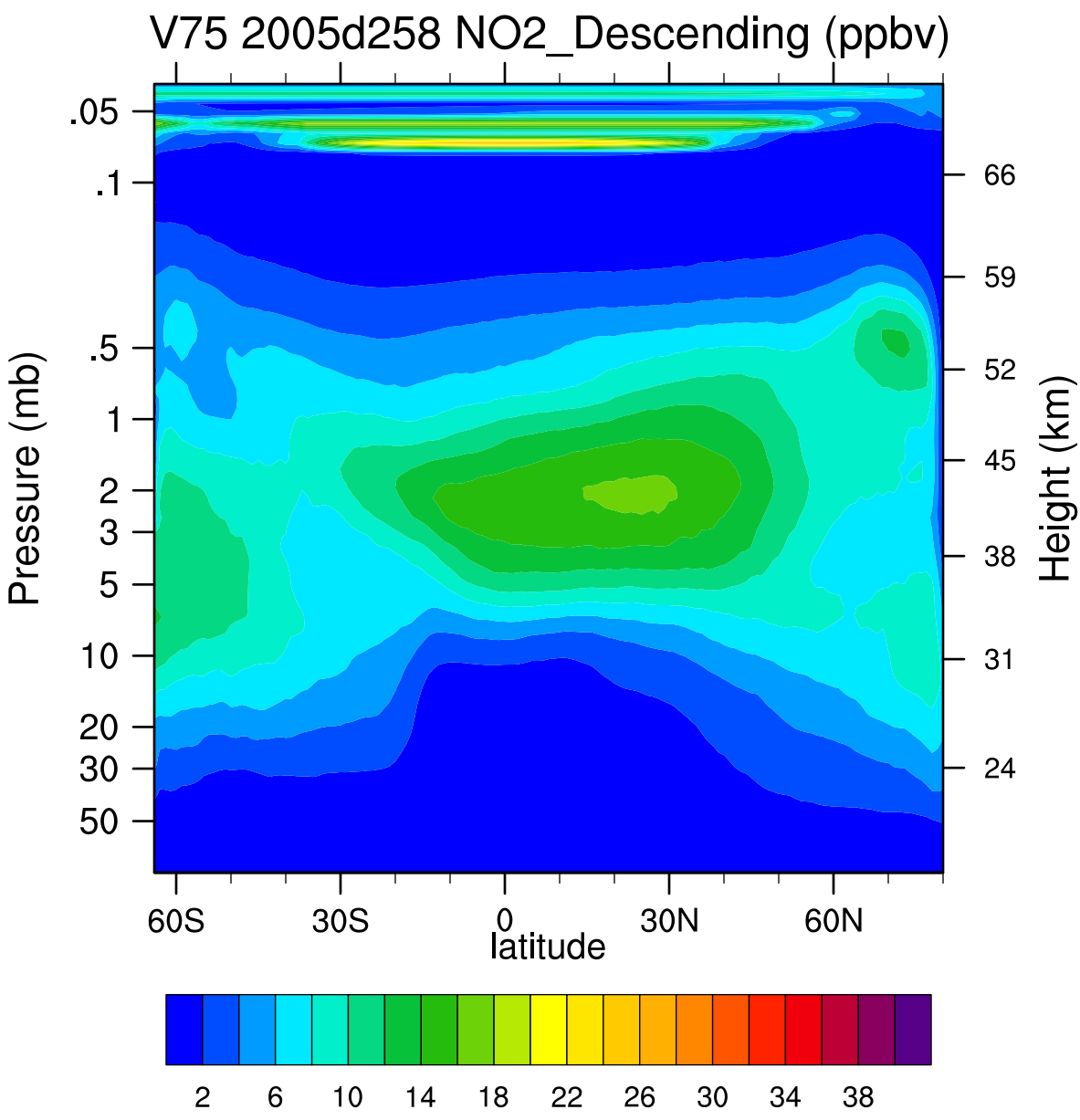
.1
.5
1
2
3
5
10
20
30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d258 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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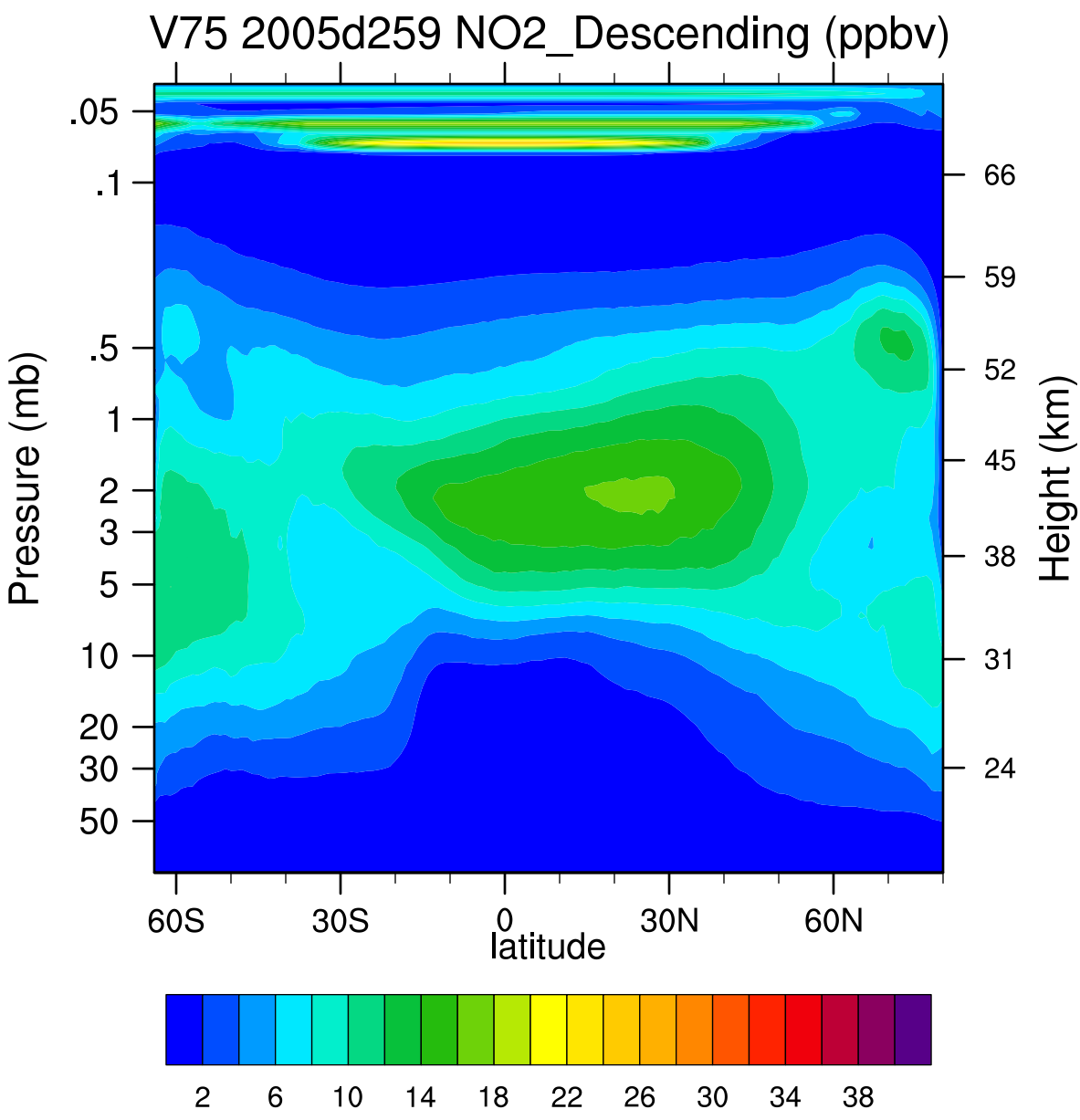
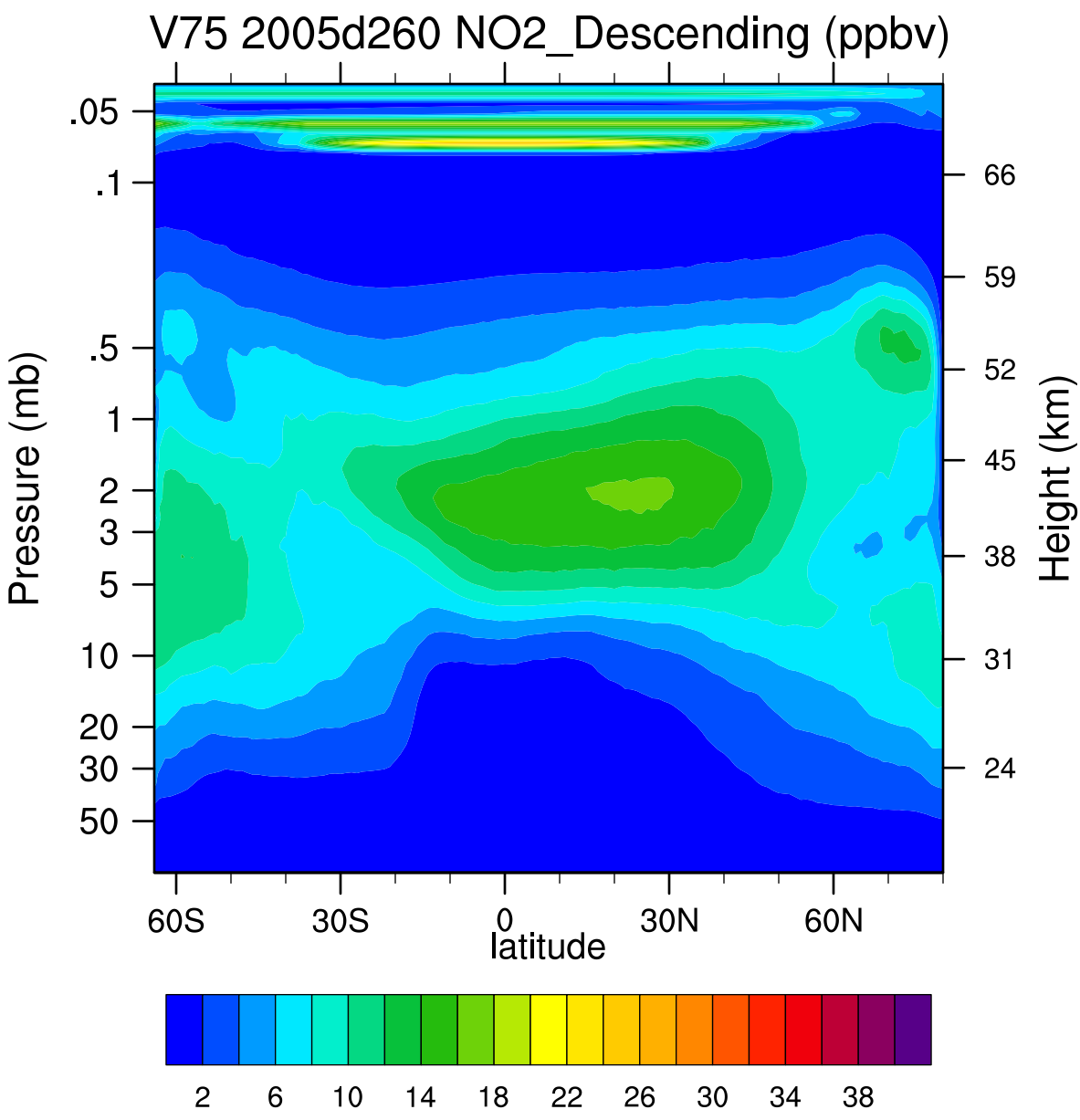

V75 2005d259 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d260 NO2_Descending (ppbv)
Pressure (mb)
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.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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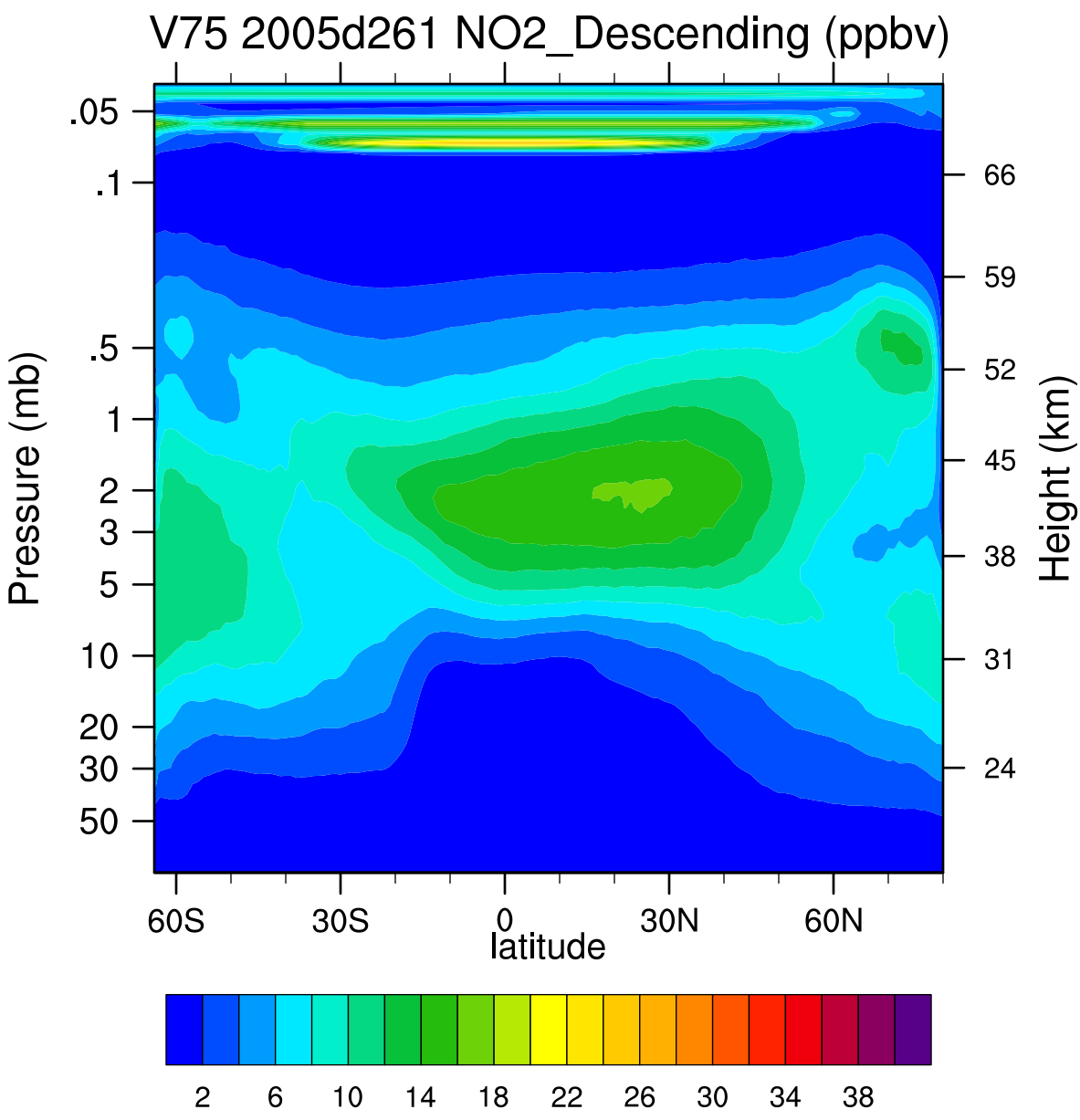
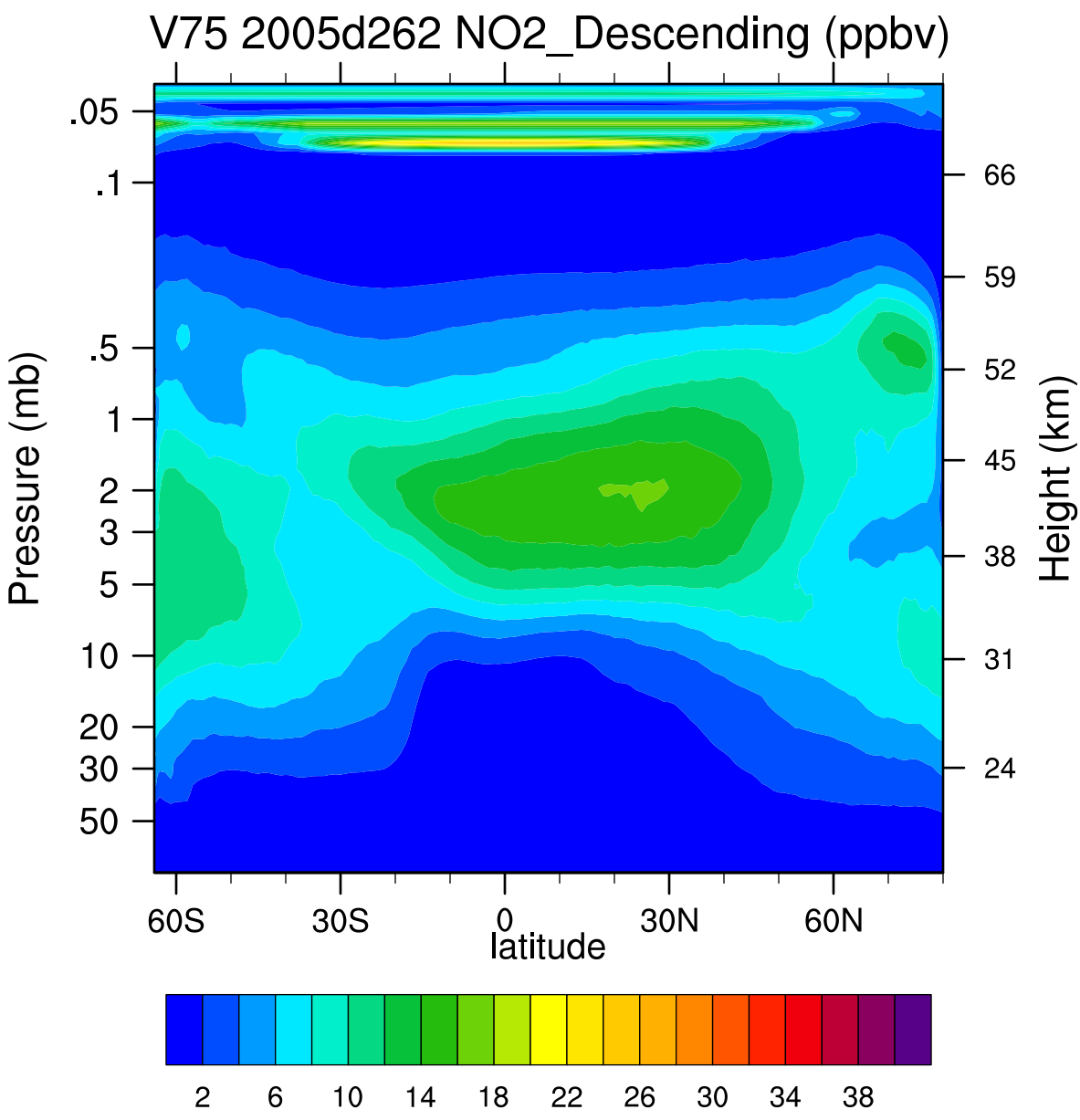
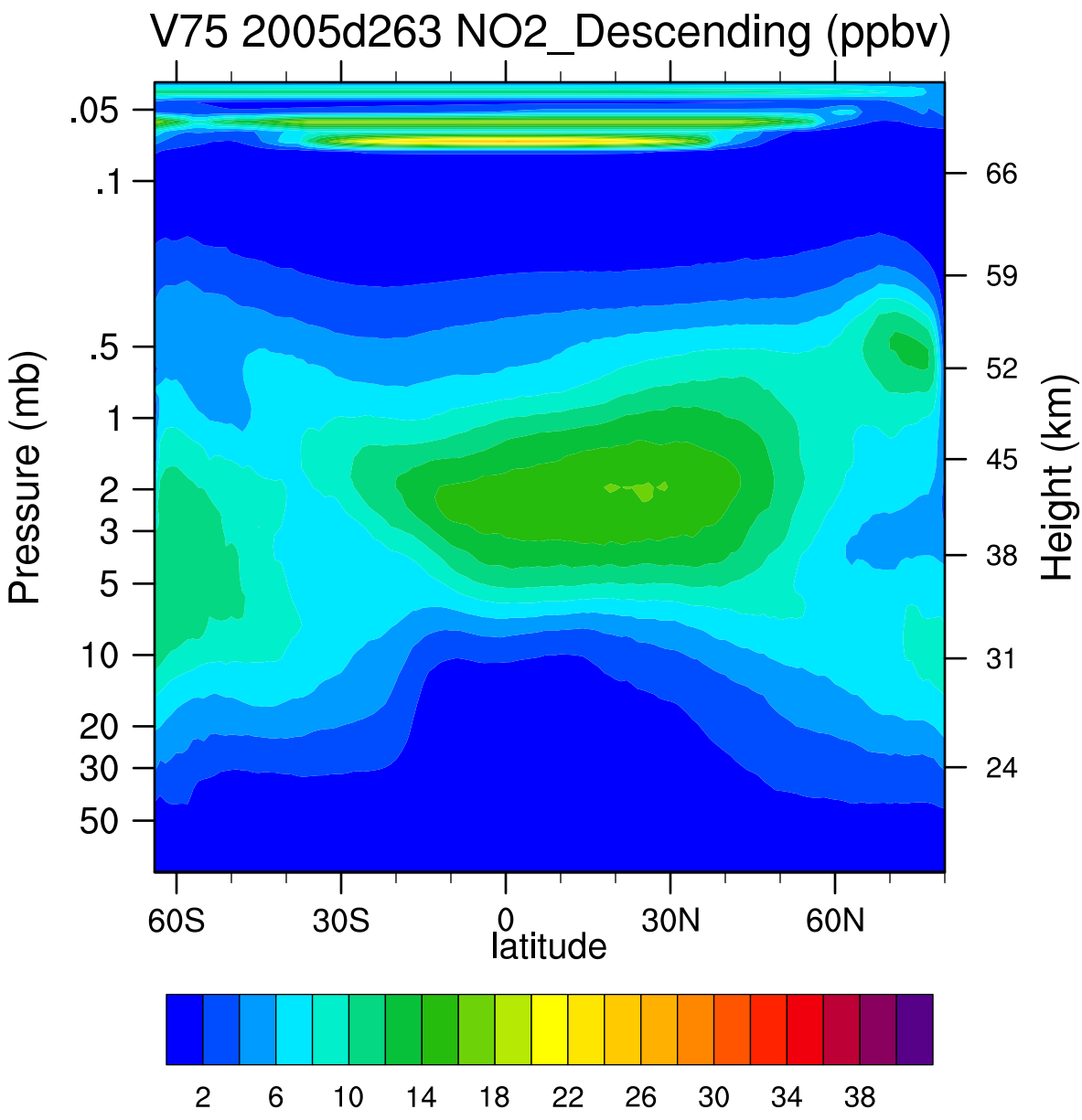

V75 2005d261 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d262 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d263 NO2_Descending (ppbv)
Pressure (mb)
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.1
.5
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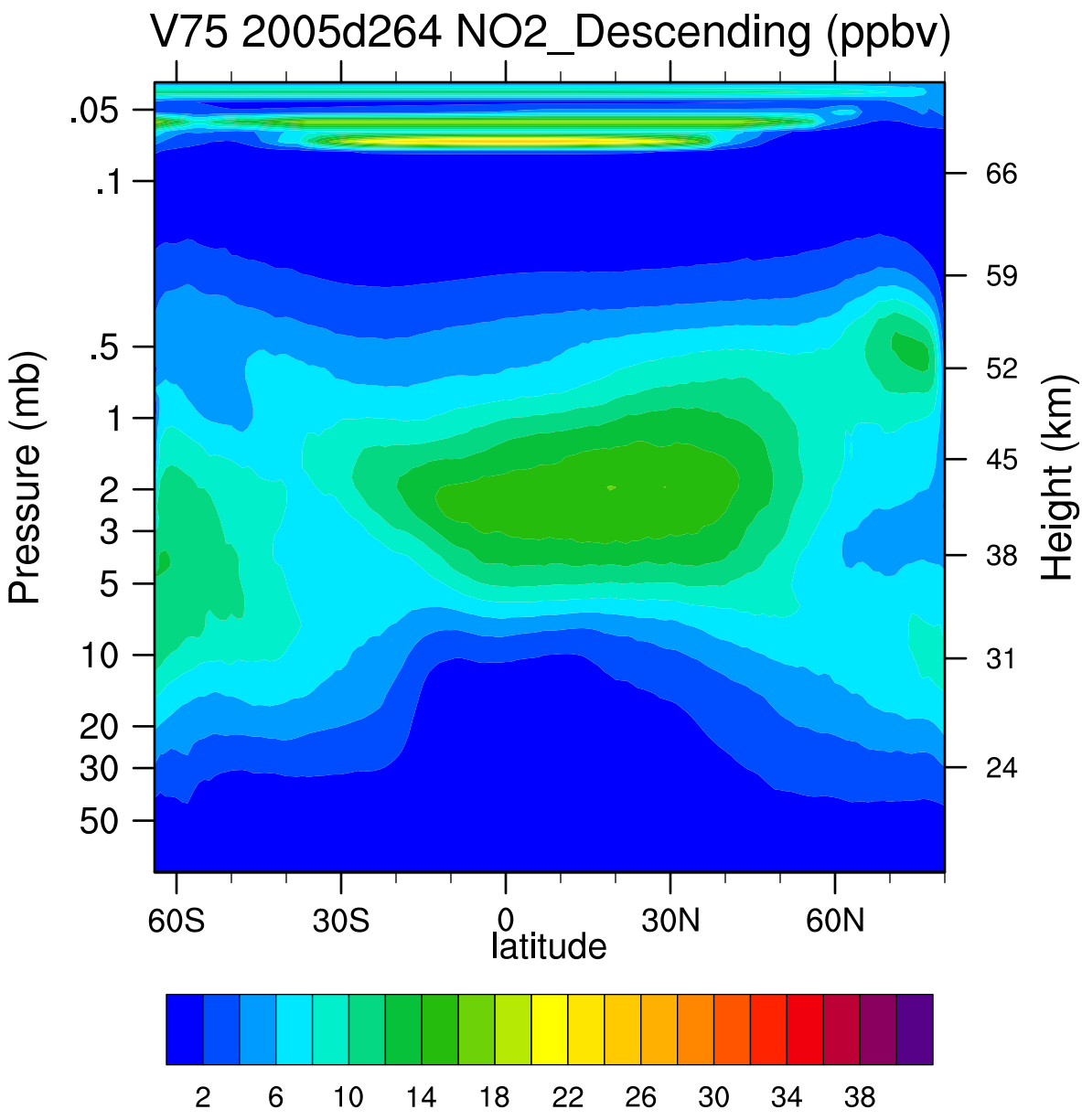
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d264 NO2_Descending (ppbv)
Pressure (mb)
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.5
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2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
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26
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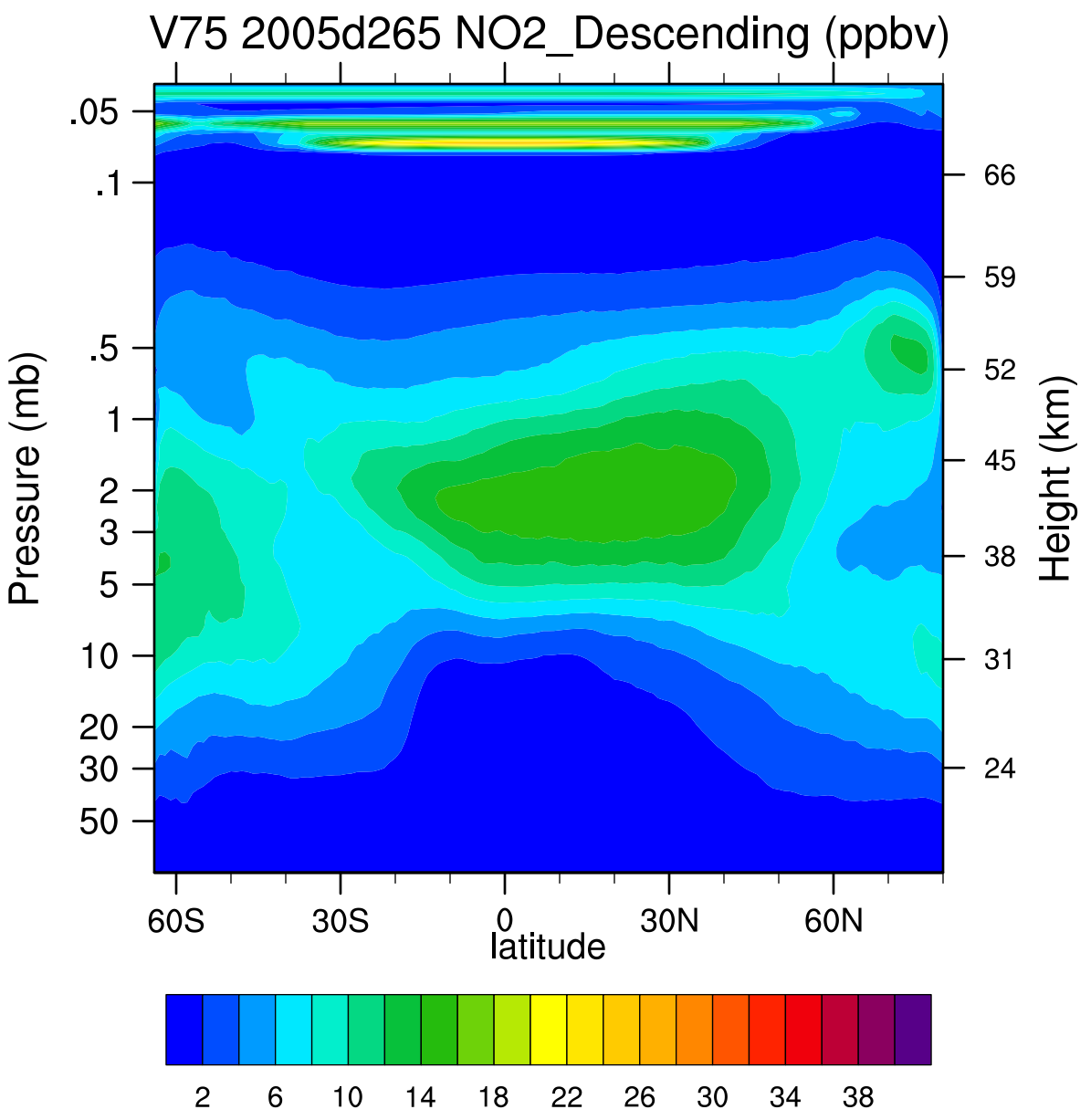
38


V75 2005d265 NO2_Descending (ppbv)
Pressure (mb)
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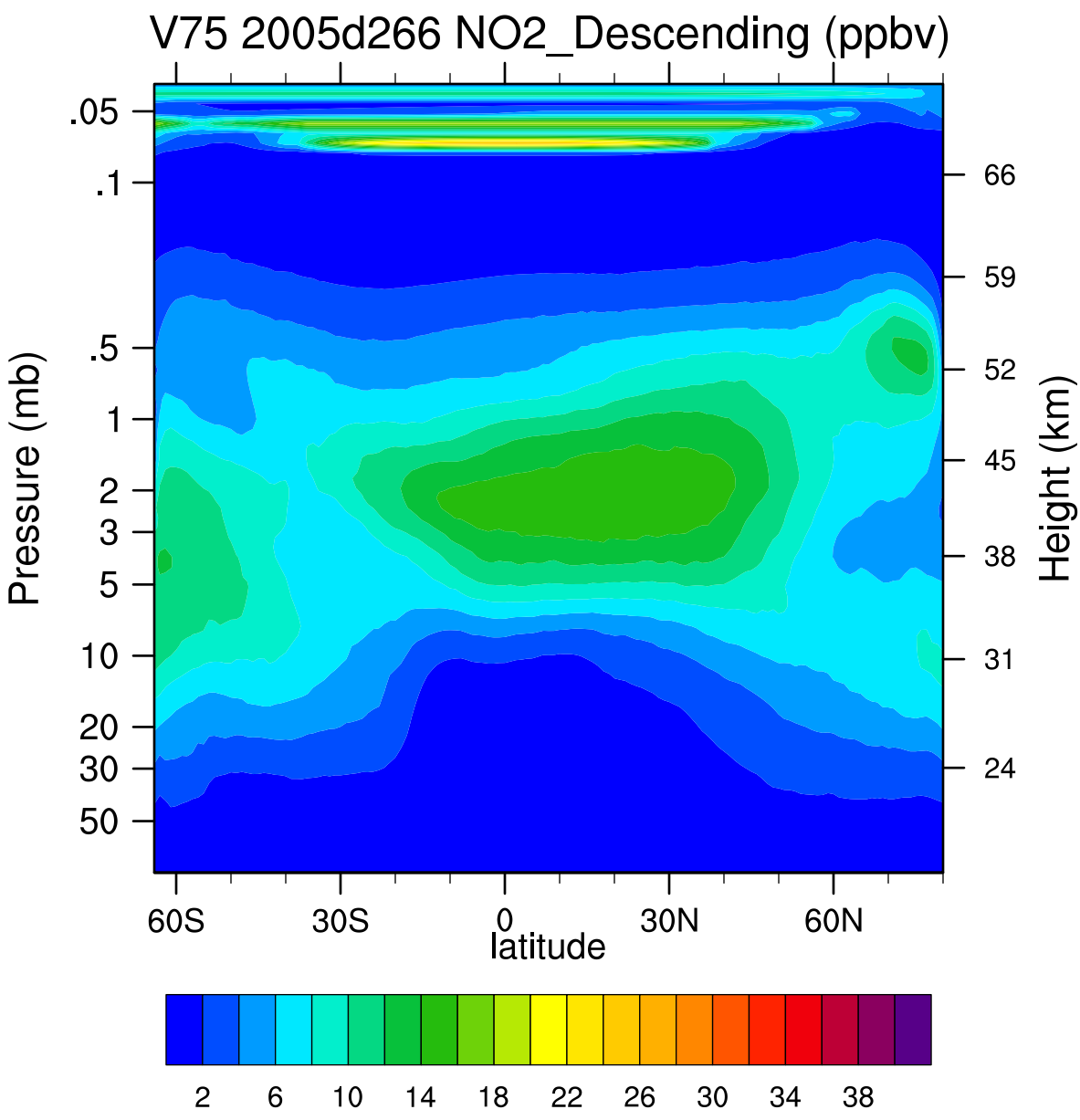
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d266 NO2_Descending (ppbv)
Pressure (mb)
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.1
.5
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2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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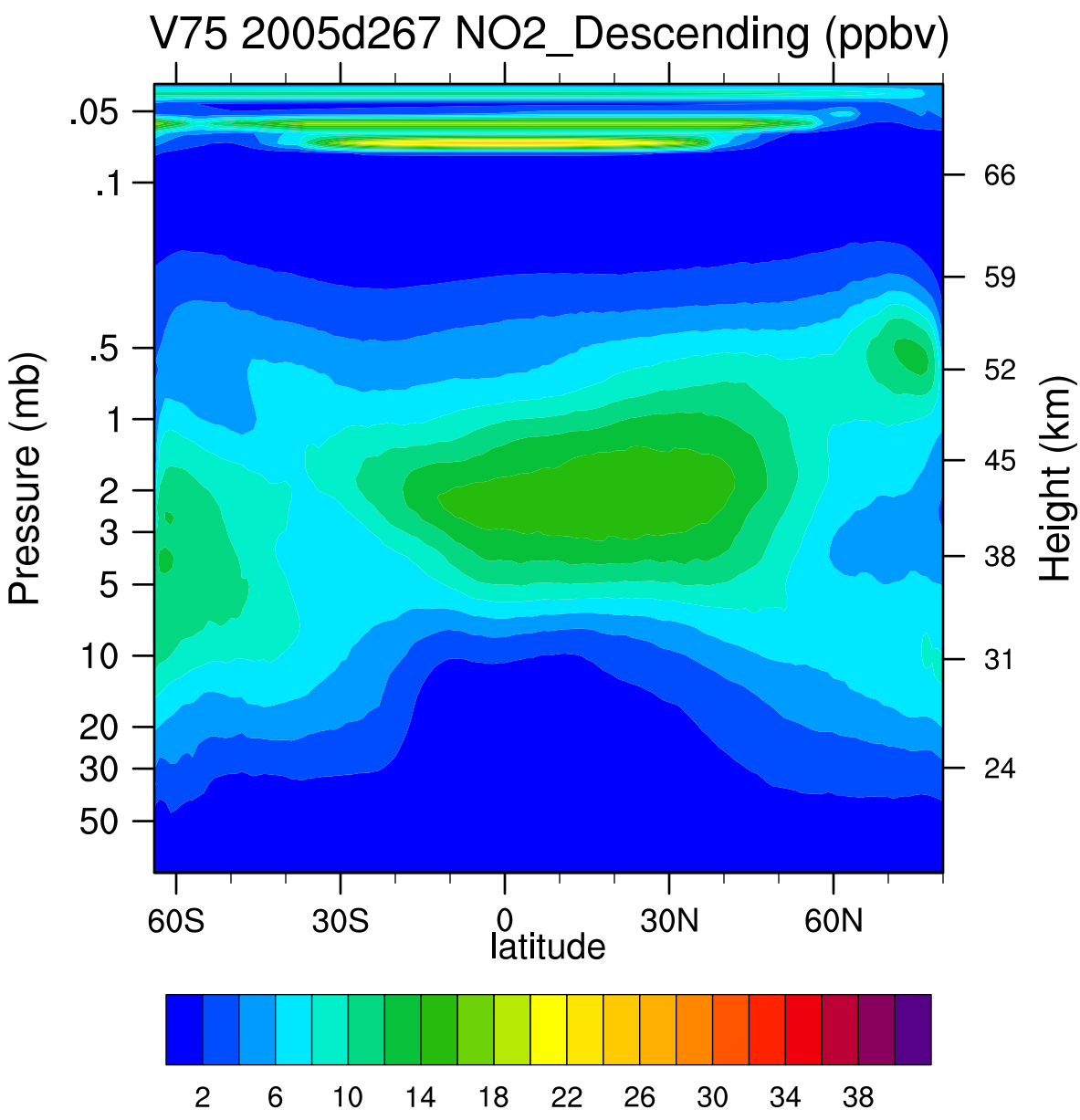
V75 2005d267 NO2_Descending (ppbv)
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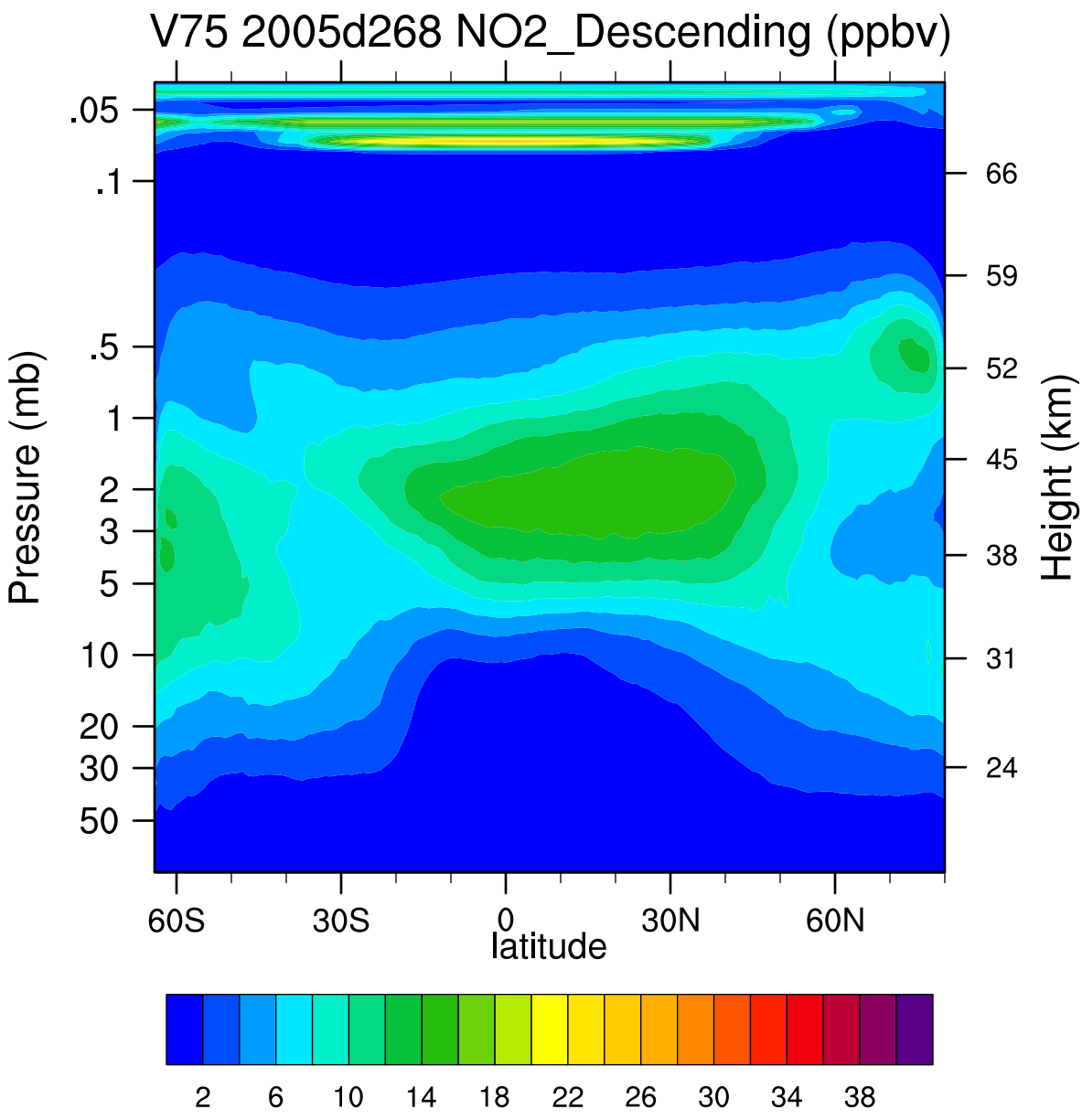
.1
.5
1
2
3
5
10
20
30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d268 NO2_Descending (ppbv)
Pressure (mb)
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.5
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2
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5
10
20
30
50
Height (km)
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59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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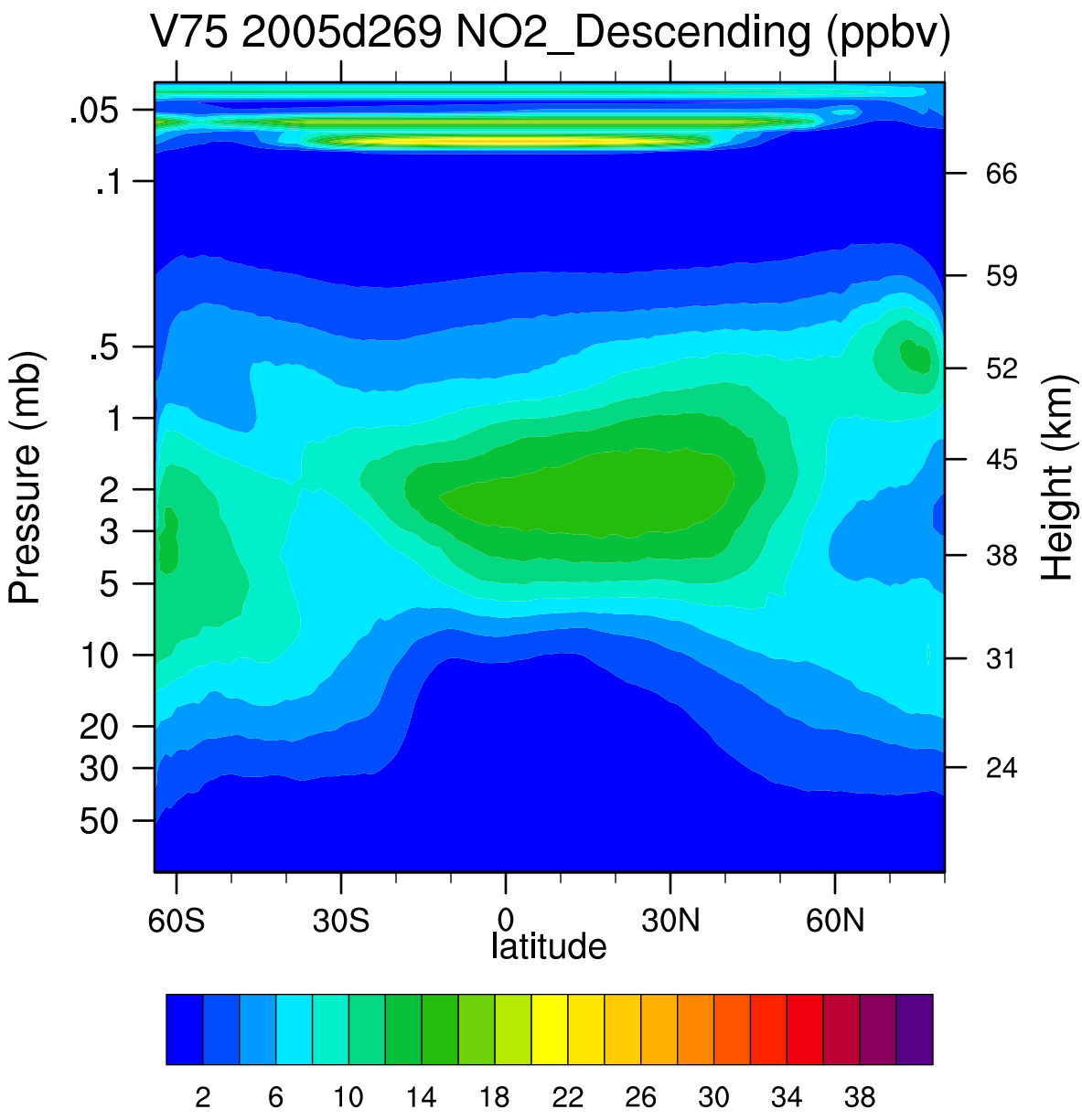
V75 2005d269 NO2_Descending (ppbv)
Pressure (mb)
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.1
.5
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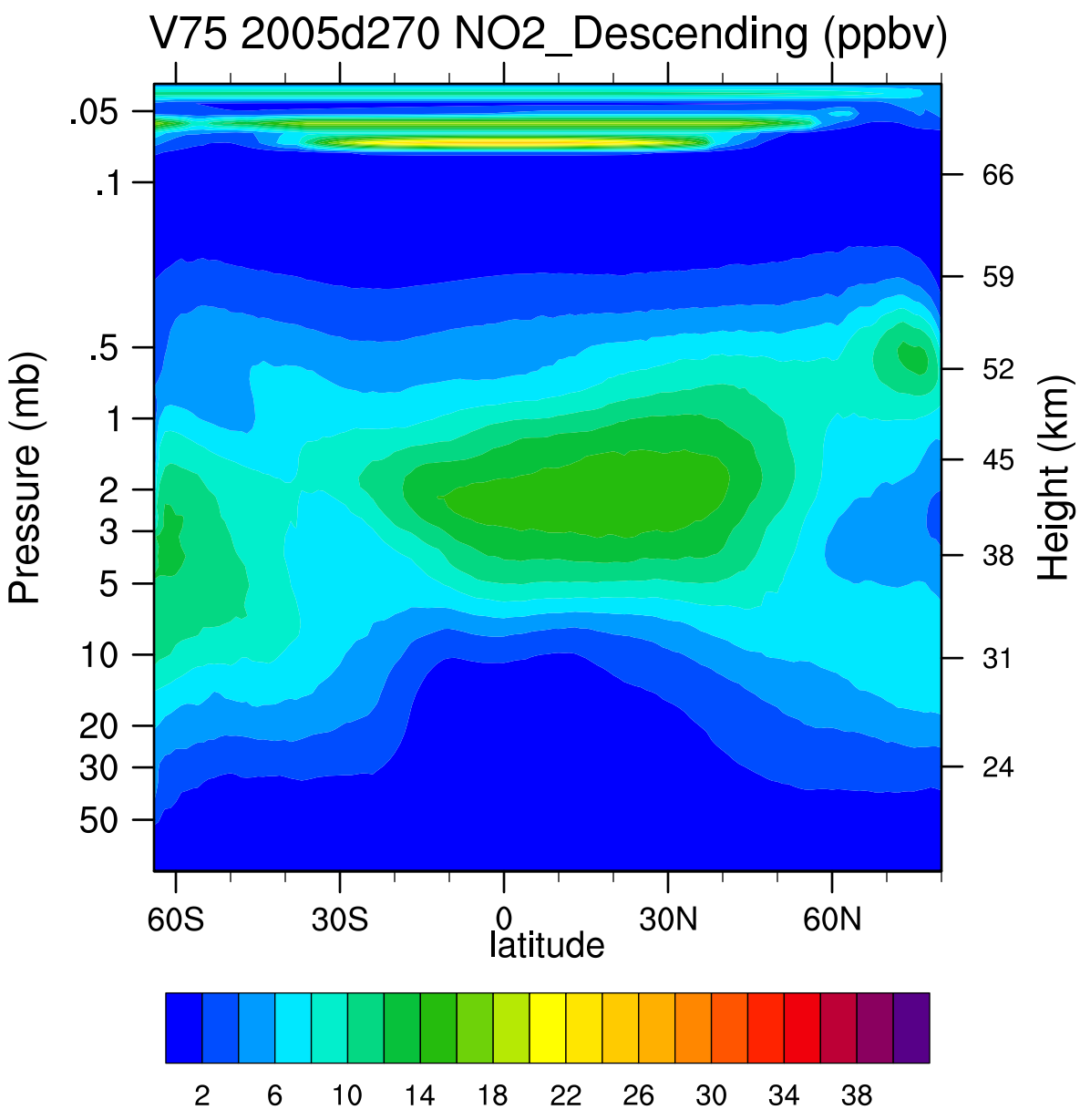
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d270 NO2_Descending (ppbv)
Pressure (mb)
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.5
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2
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5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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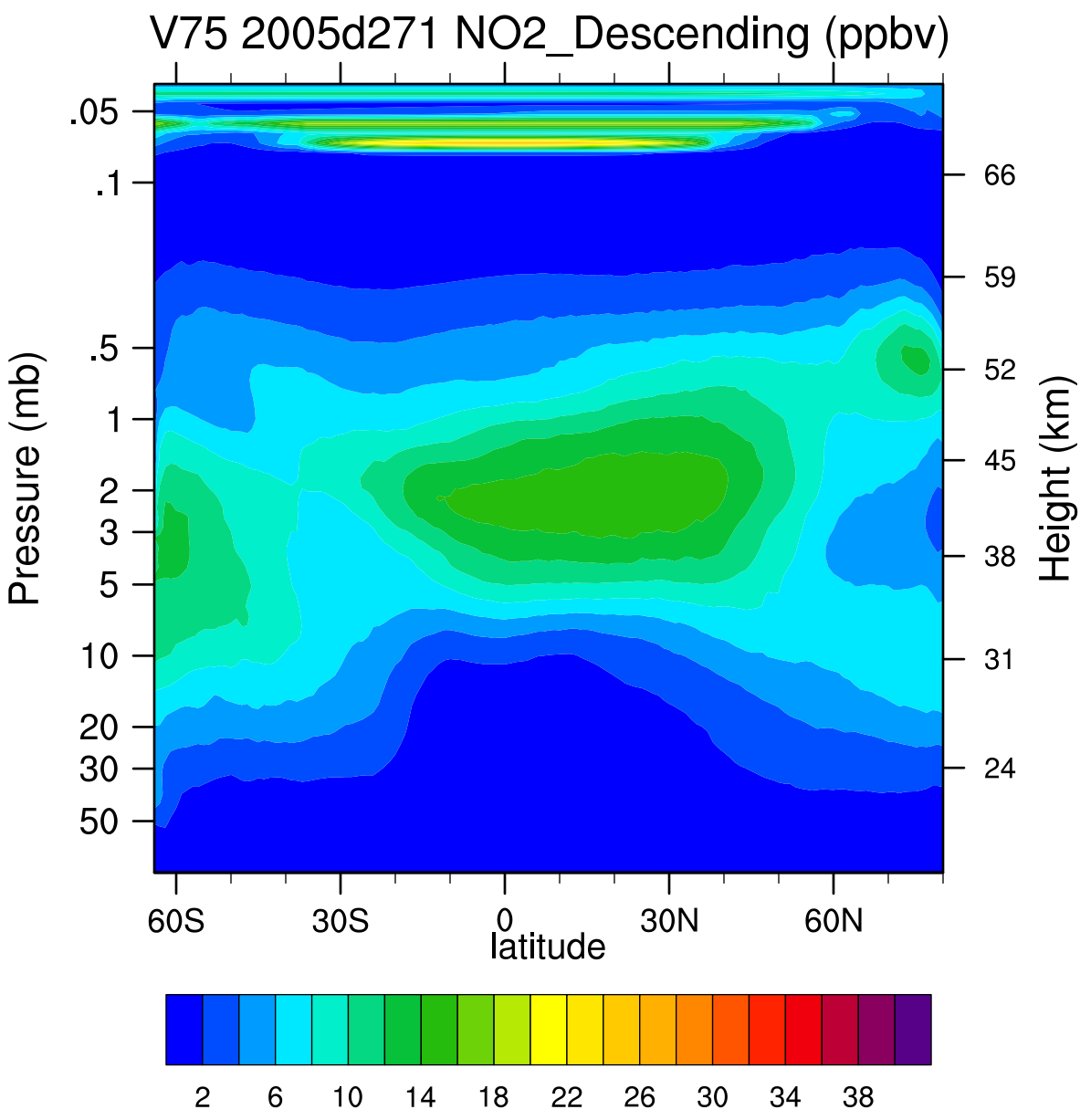
V75 2005d271 NO2_Descending (ppbv)
Pressure (mb)
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.5
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2
3
5
10
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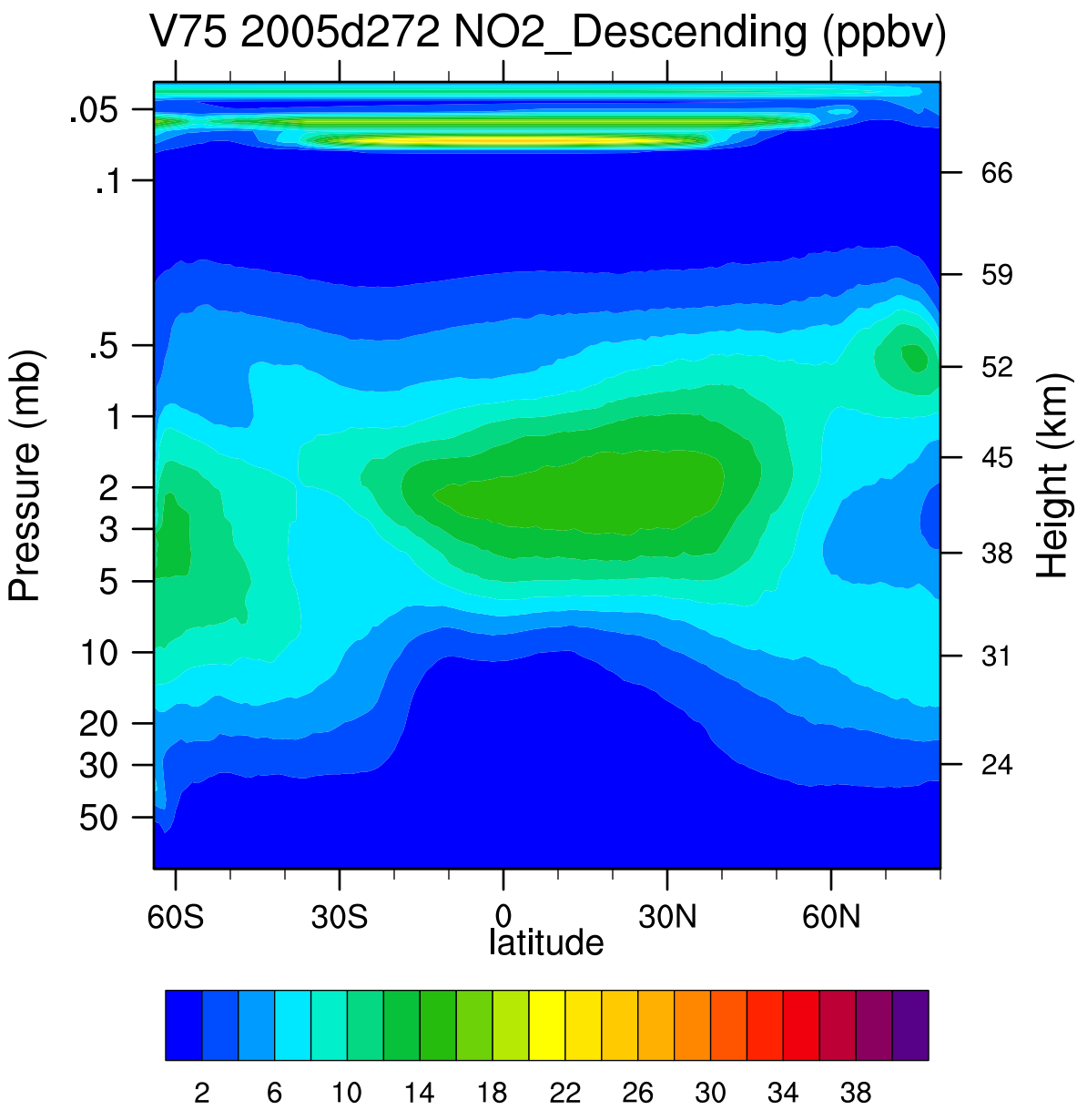
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d272 NO2_Descending (ppbv)
Pressure (mb)
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.5
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5
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Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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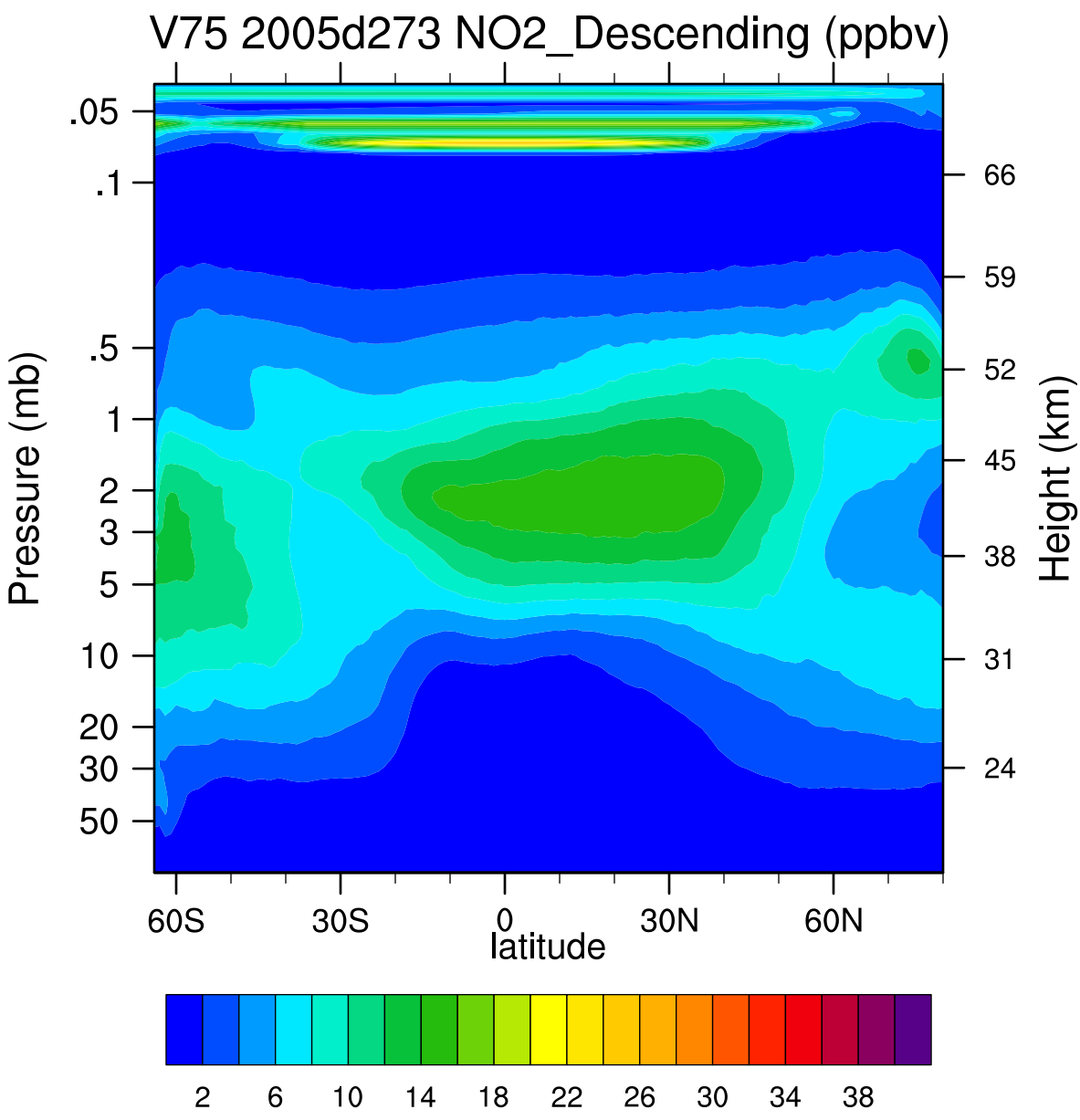
V75 2005d273 NO2_Descending (ppbv)
Pressure (mb)
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.5
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2
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5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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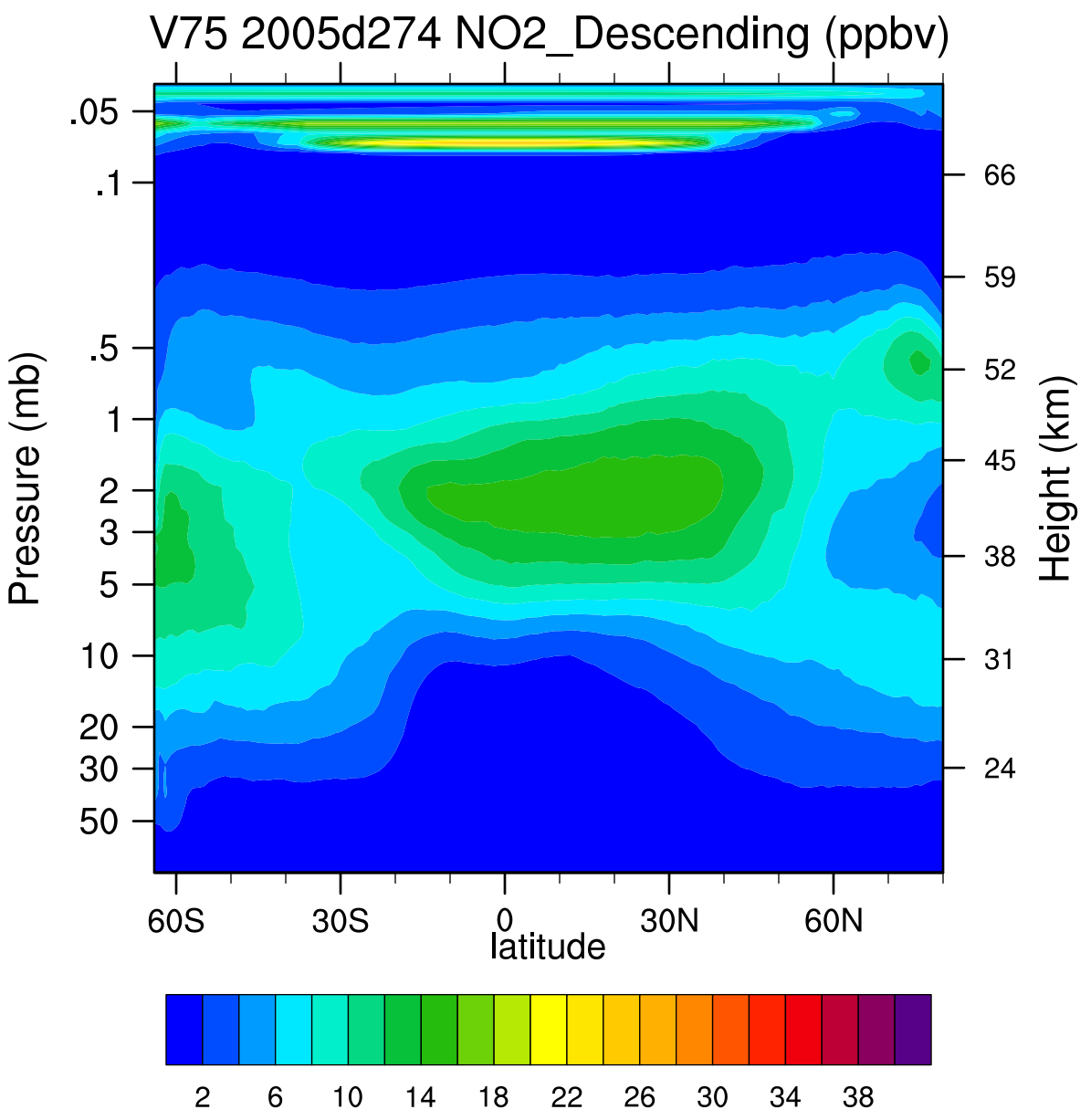
V75 2005d274 NO2_Descending (ppbv)
Pressure (mb)
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.5
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2
3
5
10
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30
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Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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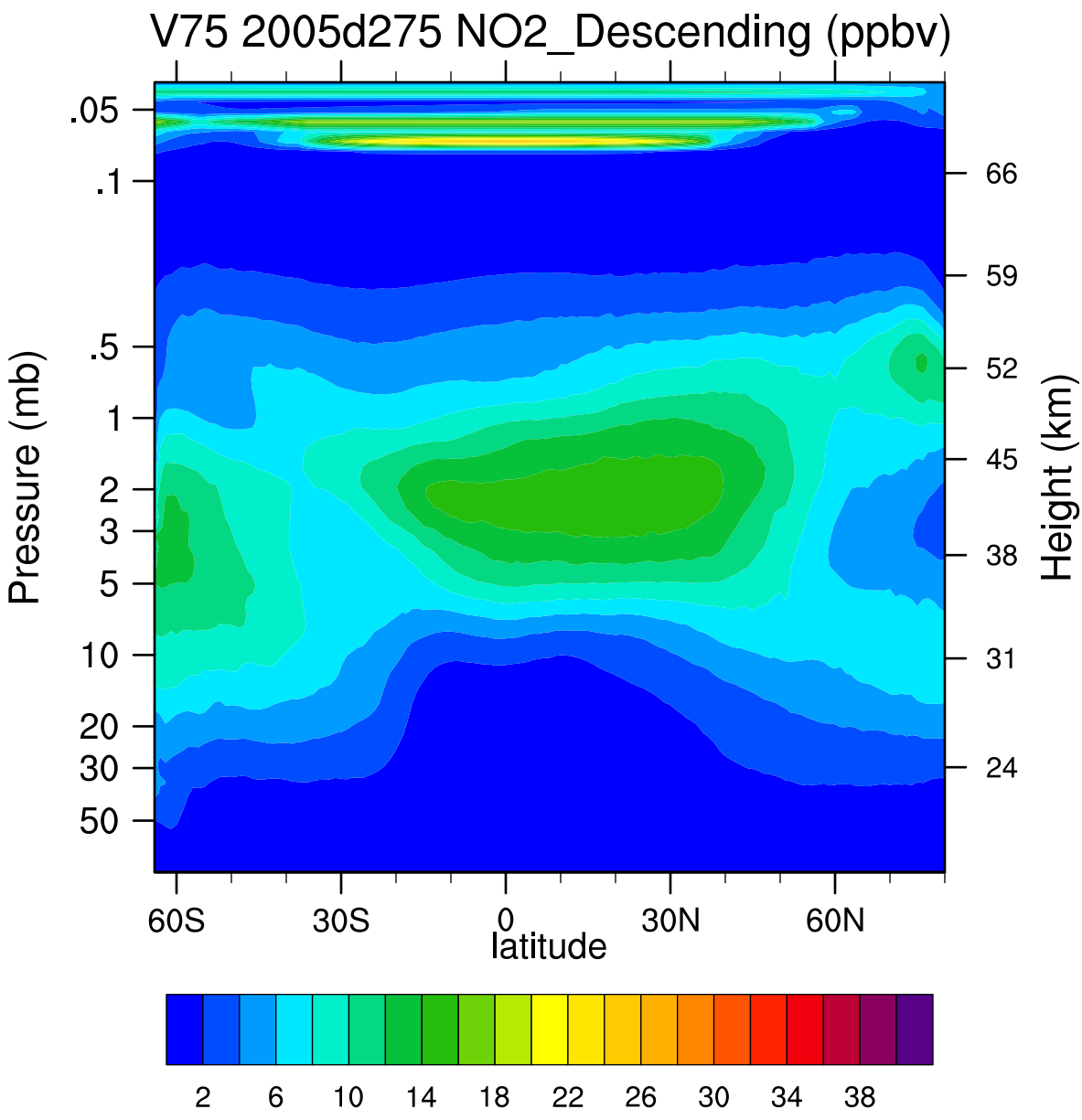
V75 2005d275 NO2_Descending (ppbv)
Pressure (mb)
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.5
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2
3
5
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20
30
50
Height (km)
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59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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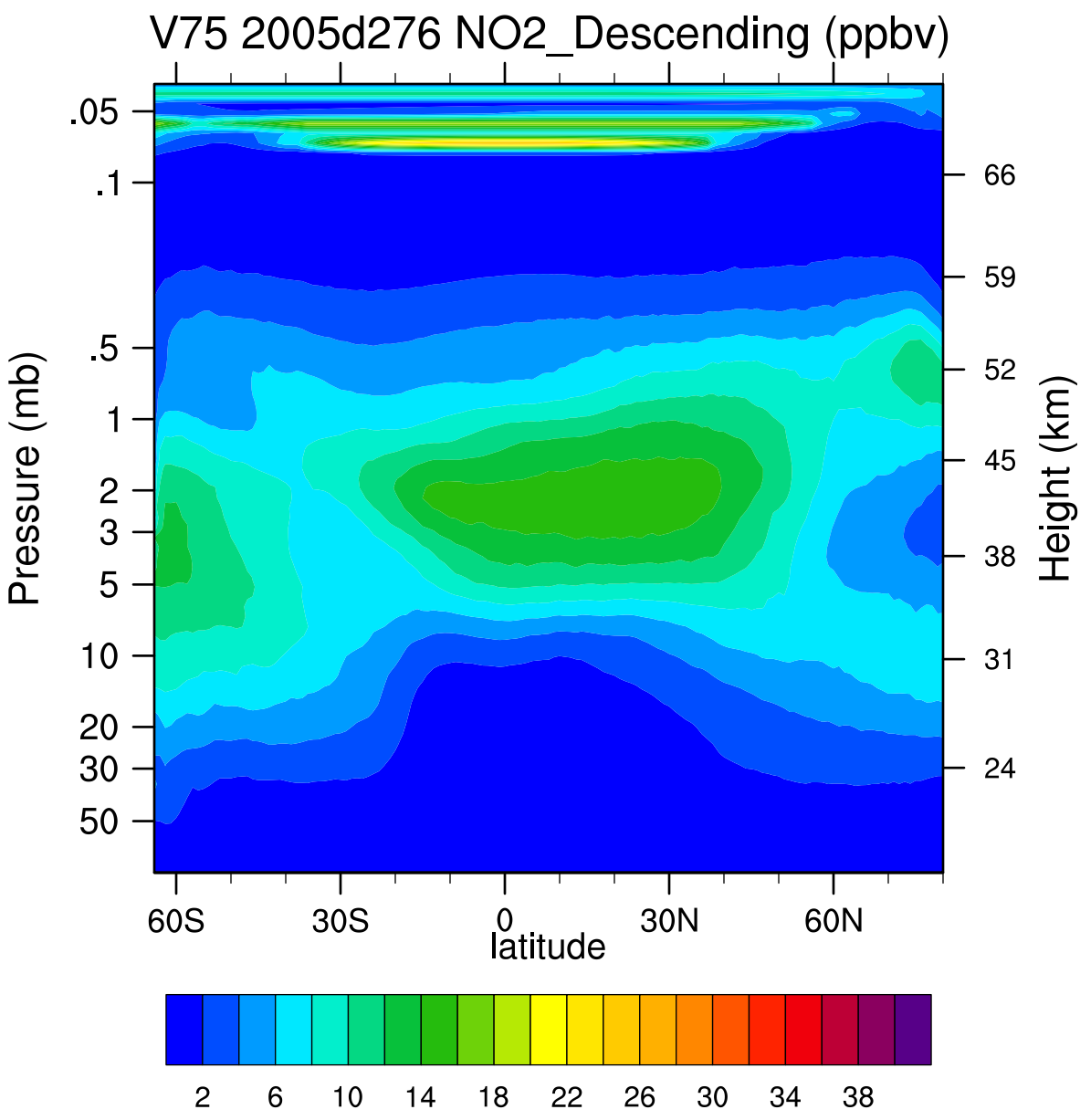
V75 2005d276 NO2_Descending (ppbv)
Pressure (mb)
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5
10
20
30
50
Height (km)
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59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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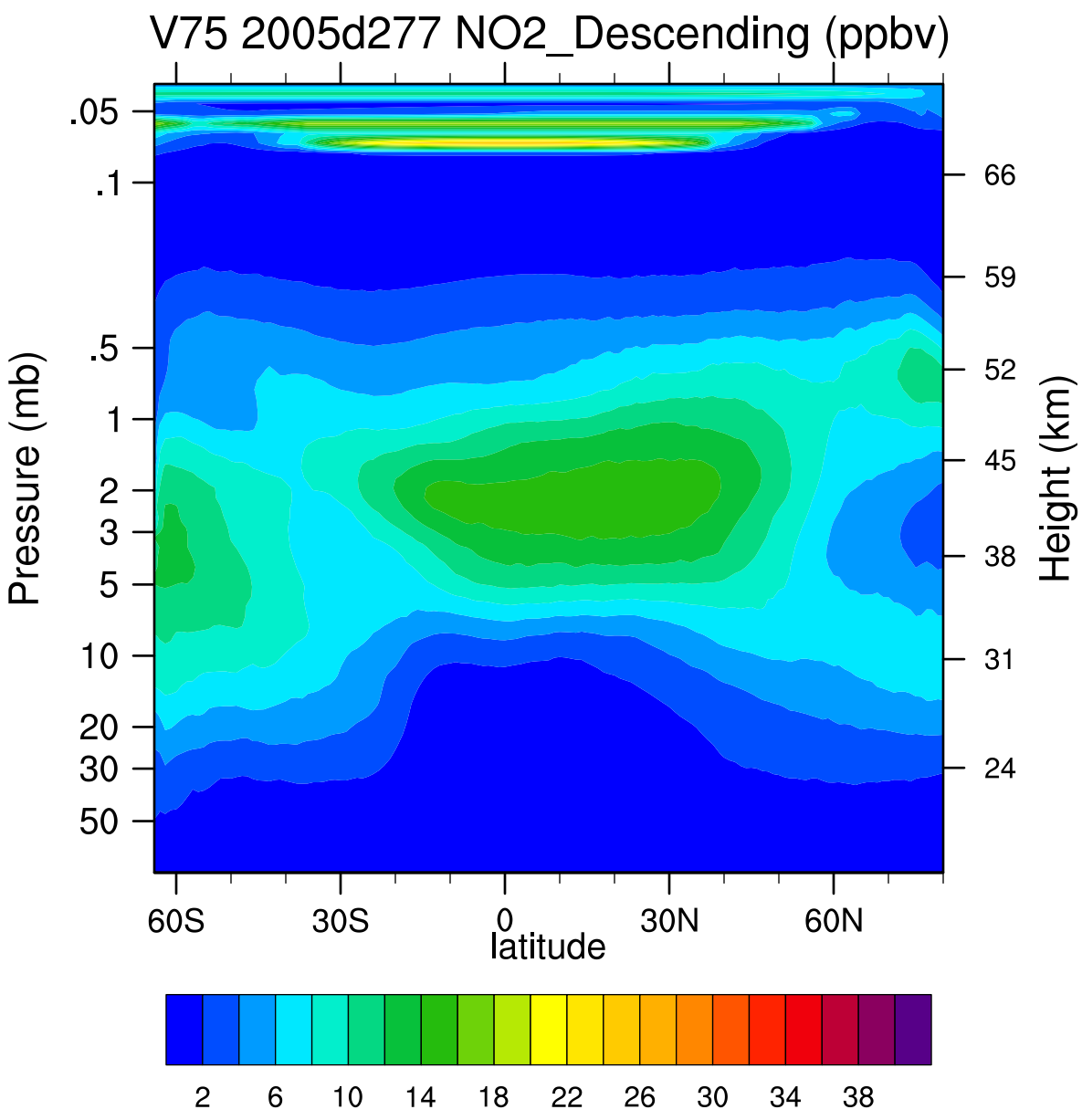
V75 2005d277 NO2_Descending (ppbv)
Pressure (mb)
.05
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.5
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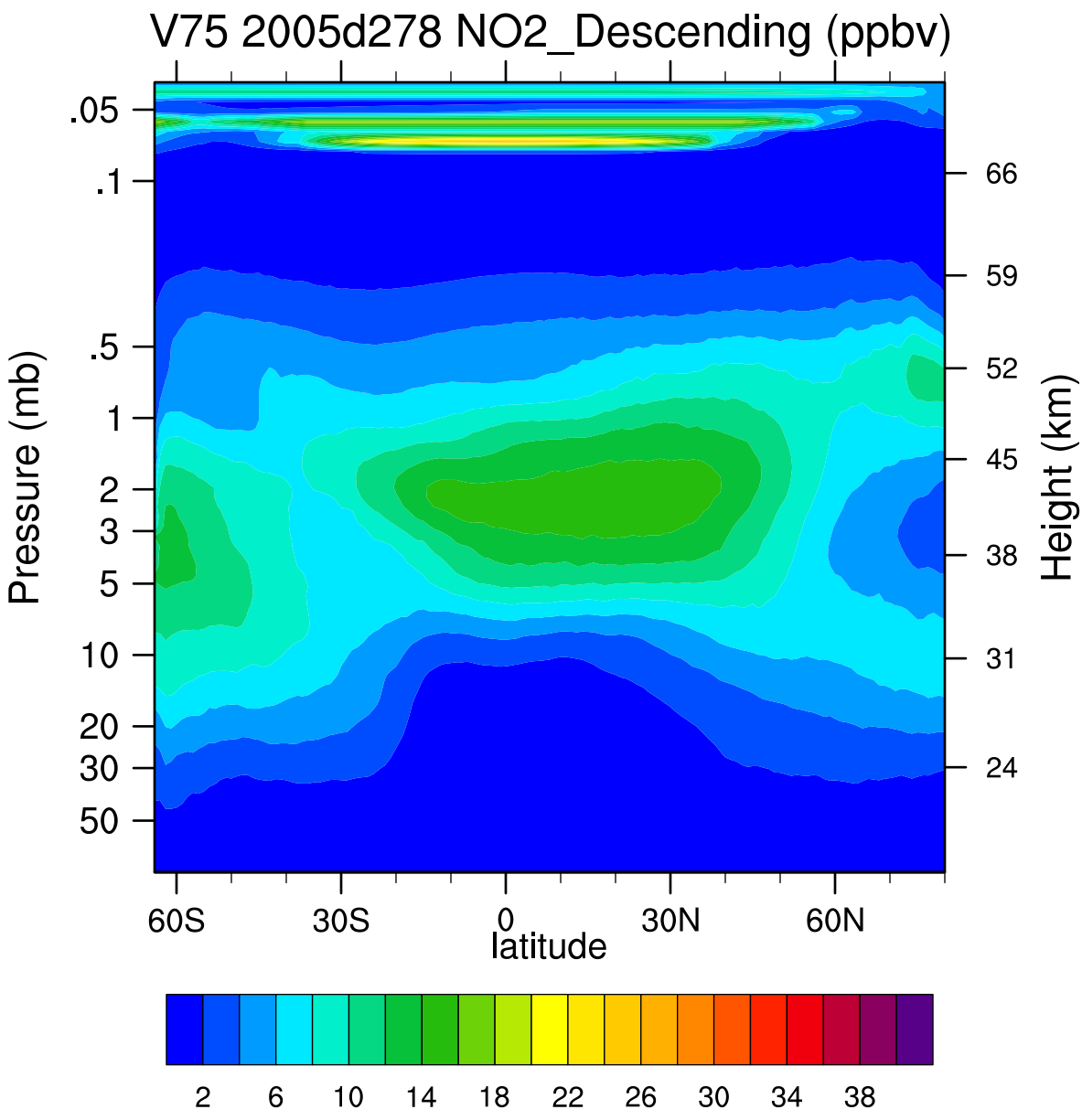
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d278 NO2_Descending (ppbv)
Pressure (mb)
.05
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.5
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2
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5
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20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
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10
14
18
22
26
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34
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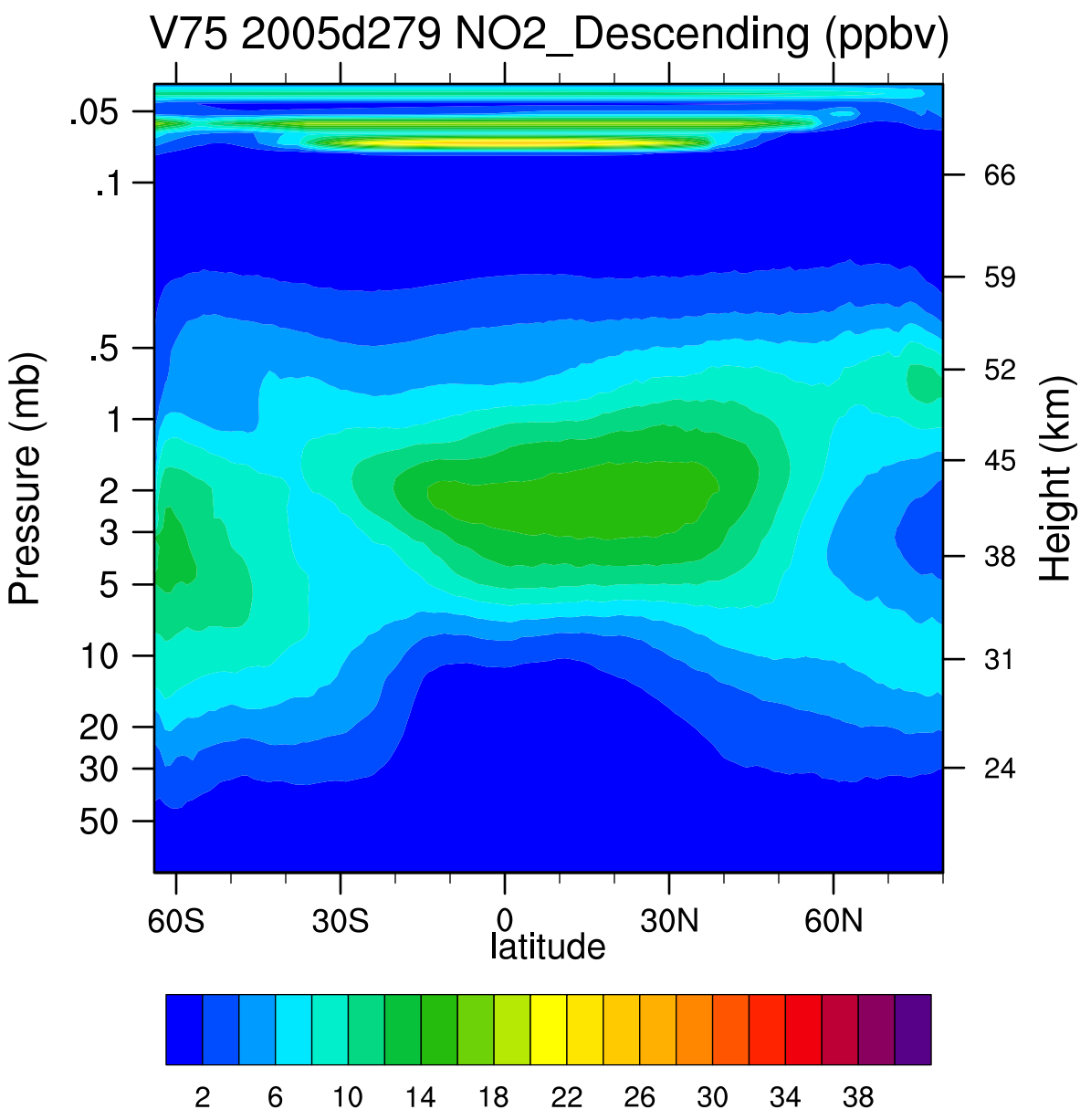
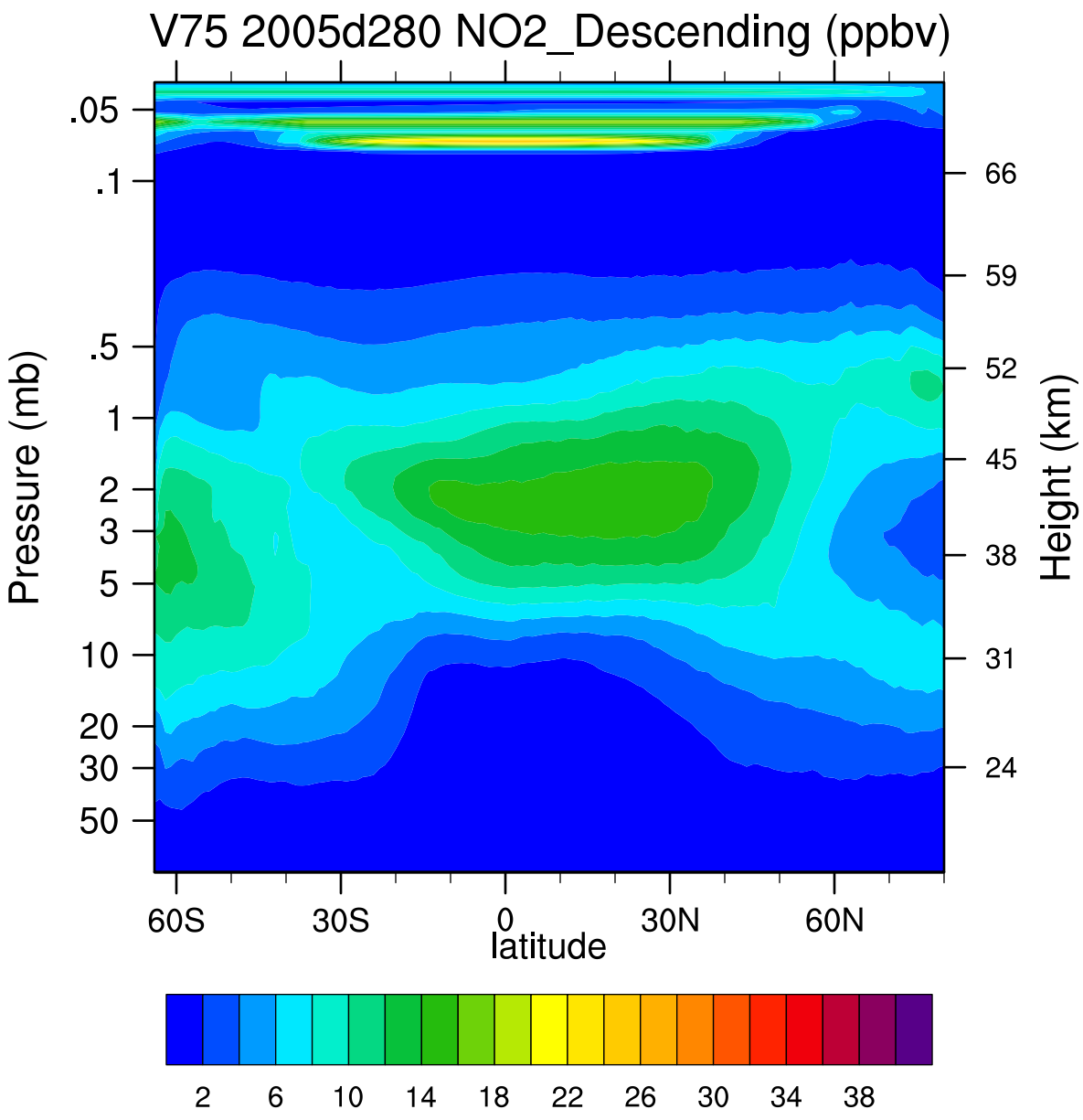

V75 2005d279 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d280 NO2_Descending (ppbv)
Pressure (mb)
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.5
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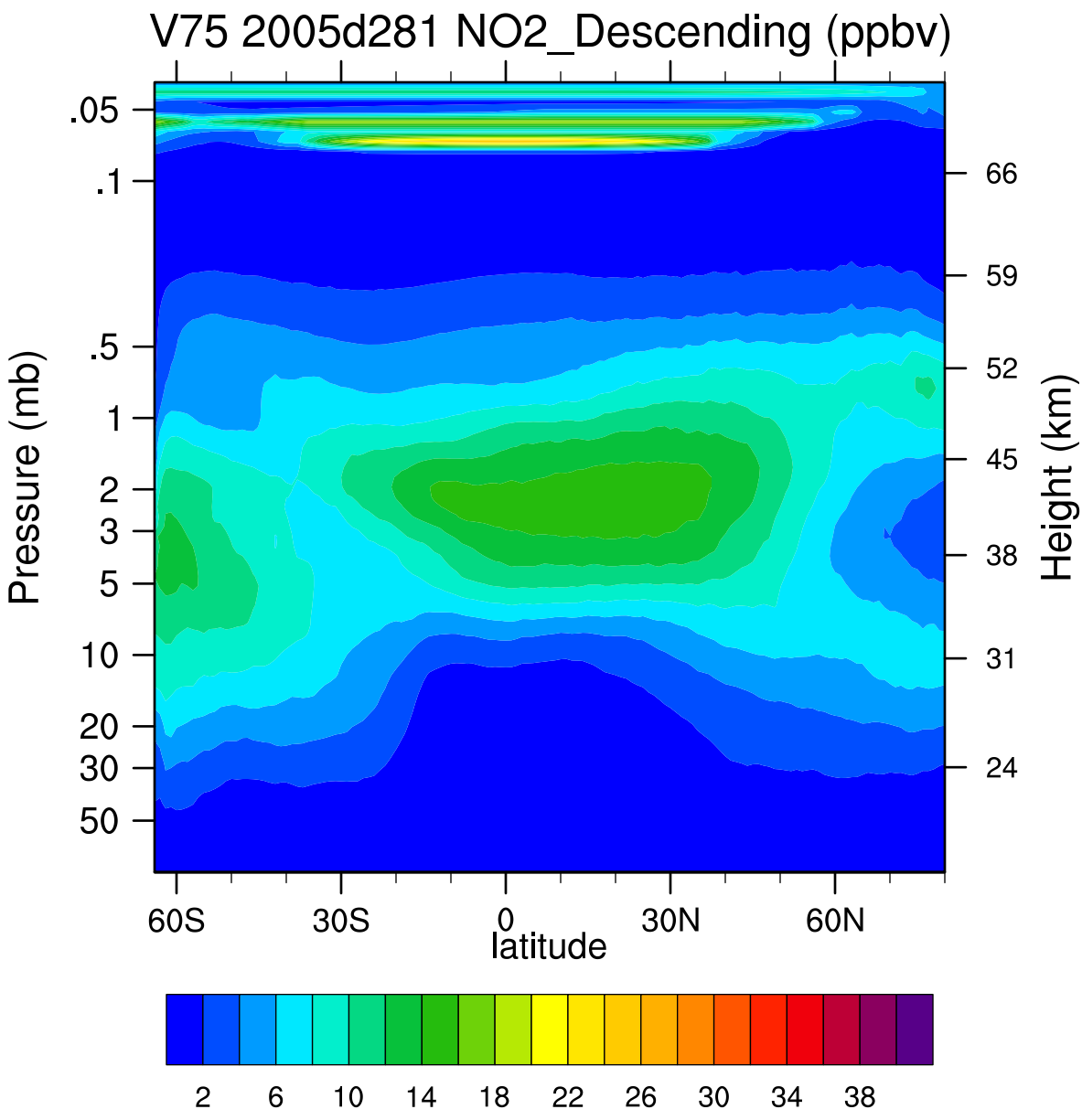
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d281 NO2_Descending (ppbv)
Pressure (mb)
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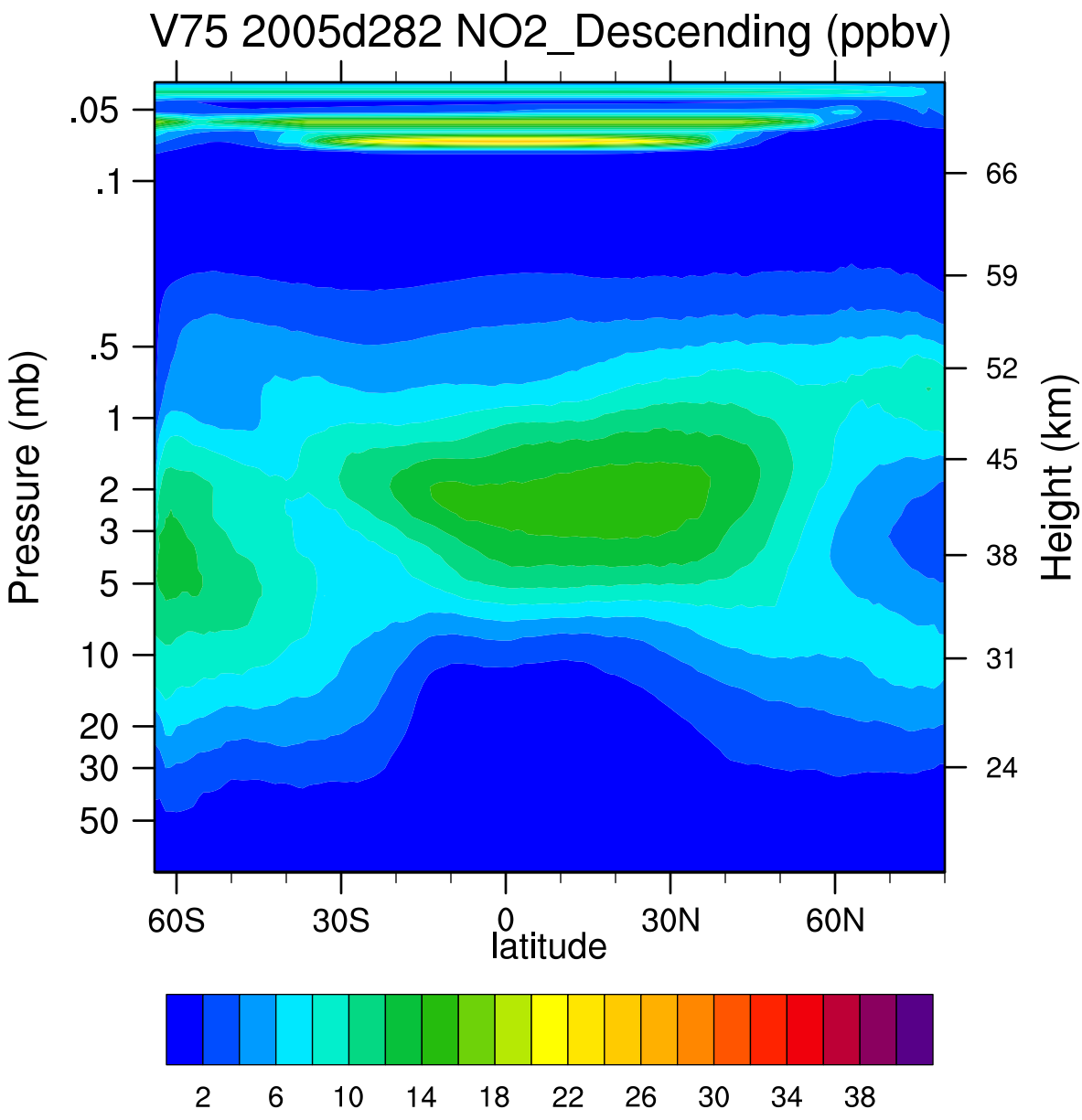
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d282 NO2_Descending (ppbv)
.05
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.5
1
2
3
5
10
20
30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
60S
30S
0
30N
60N
latitude
2
6
10
14
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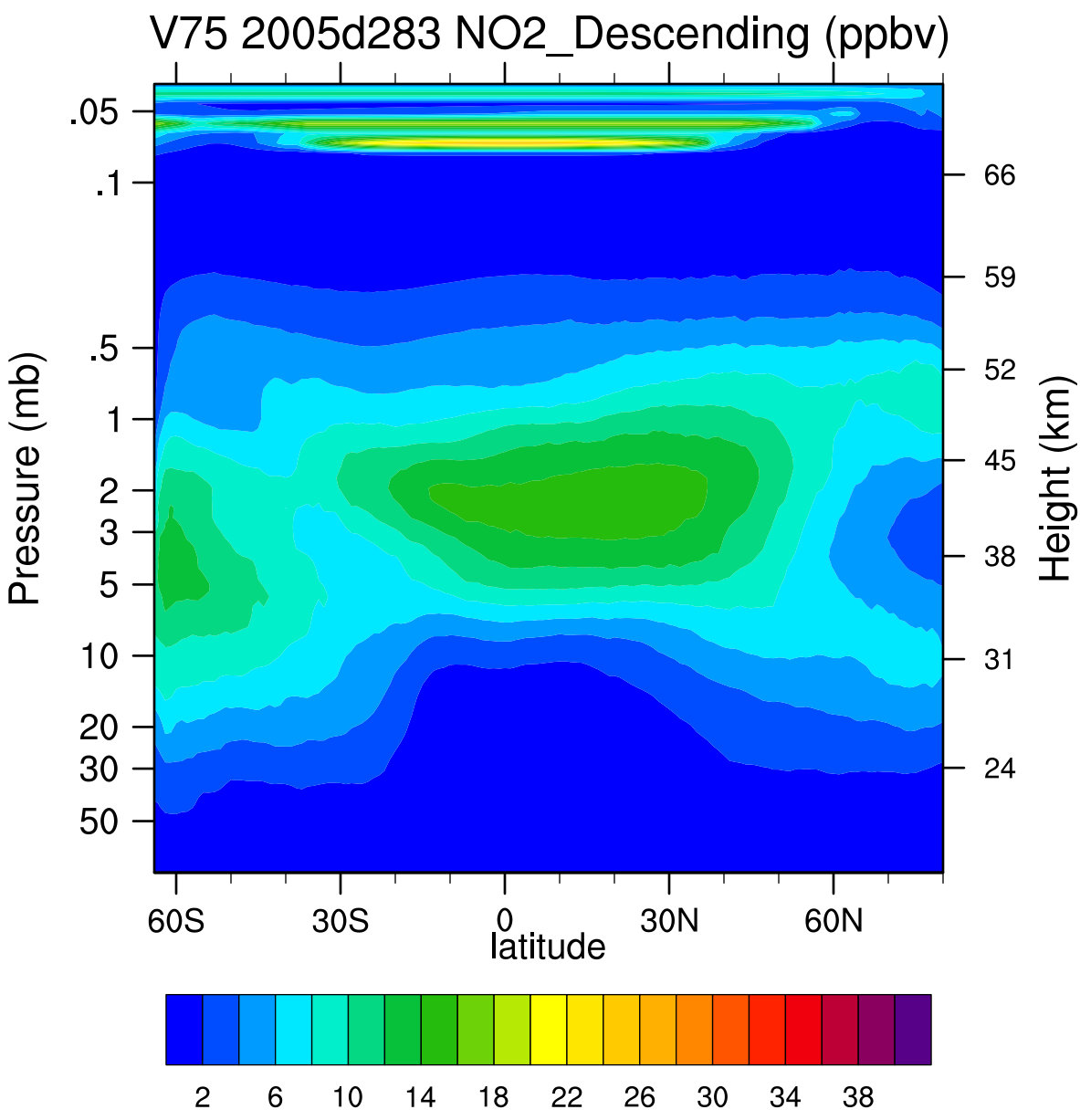
22
26
30
34
38


V75 2005d283 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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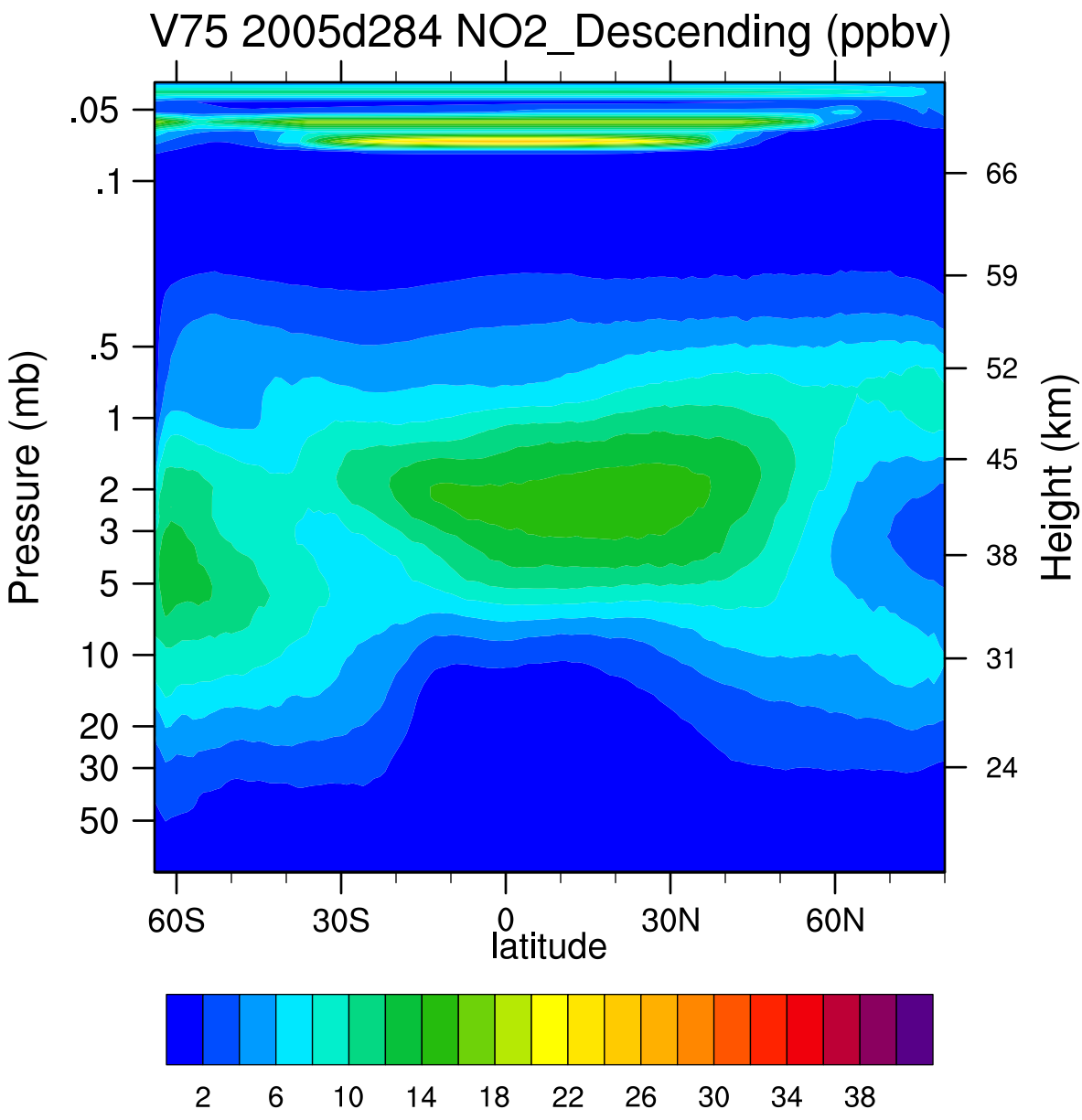
V75 2005d284 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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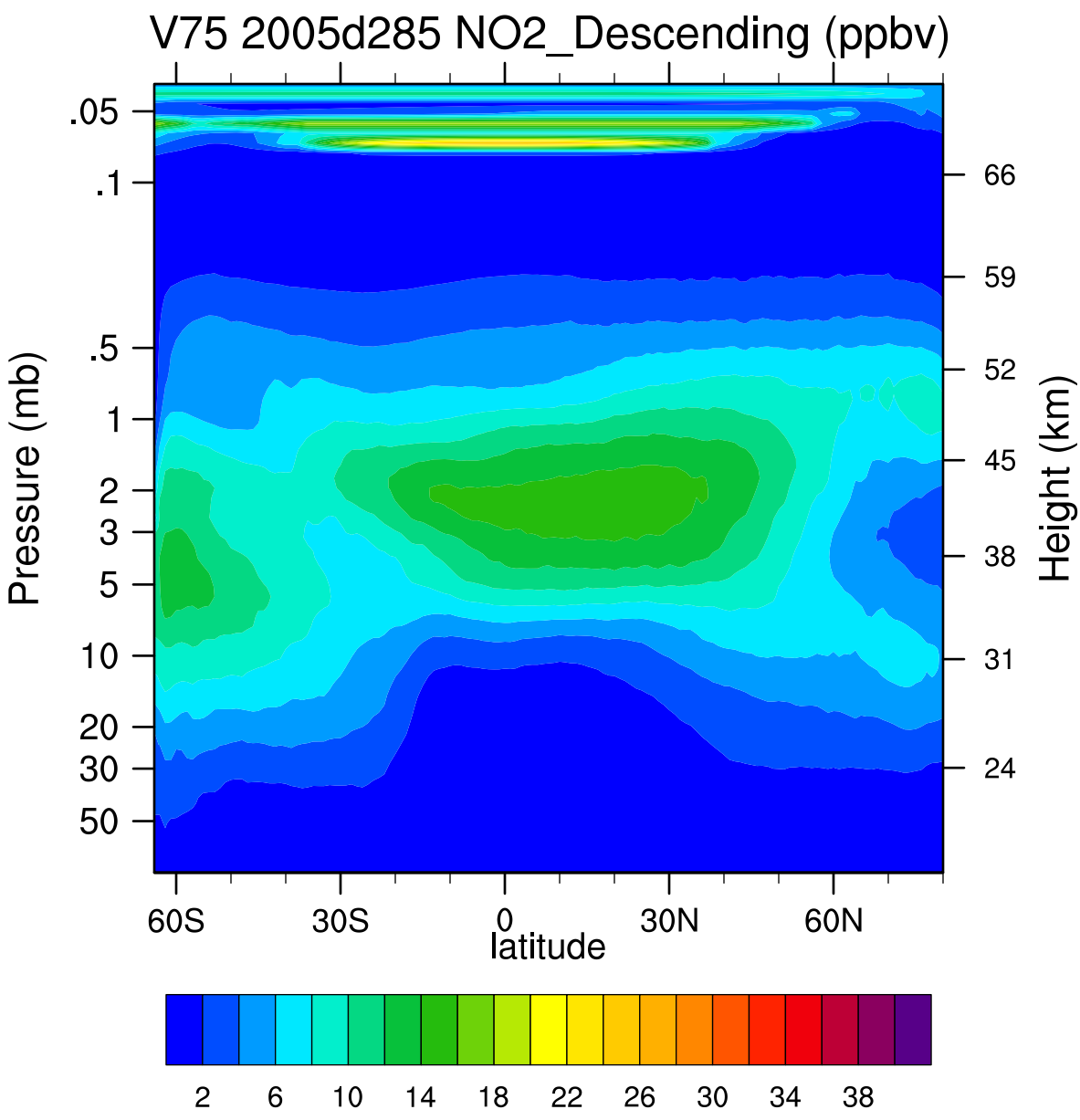
V75 2005d285 NO2_Descending (ppbv)
Pressure (mb)
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3
5
10
20
30
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Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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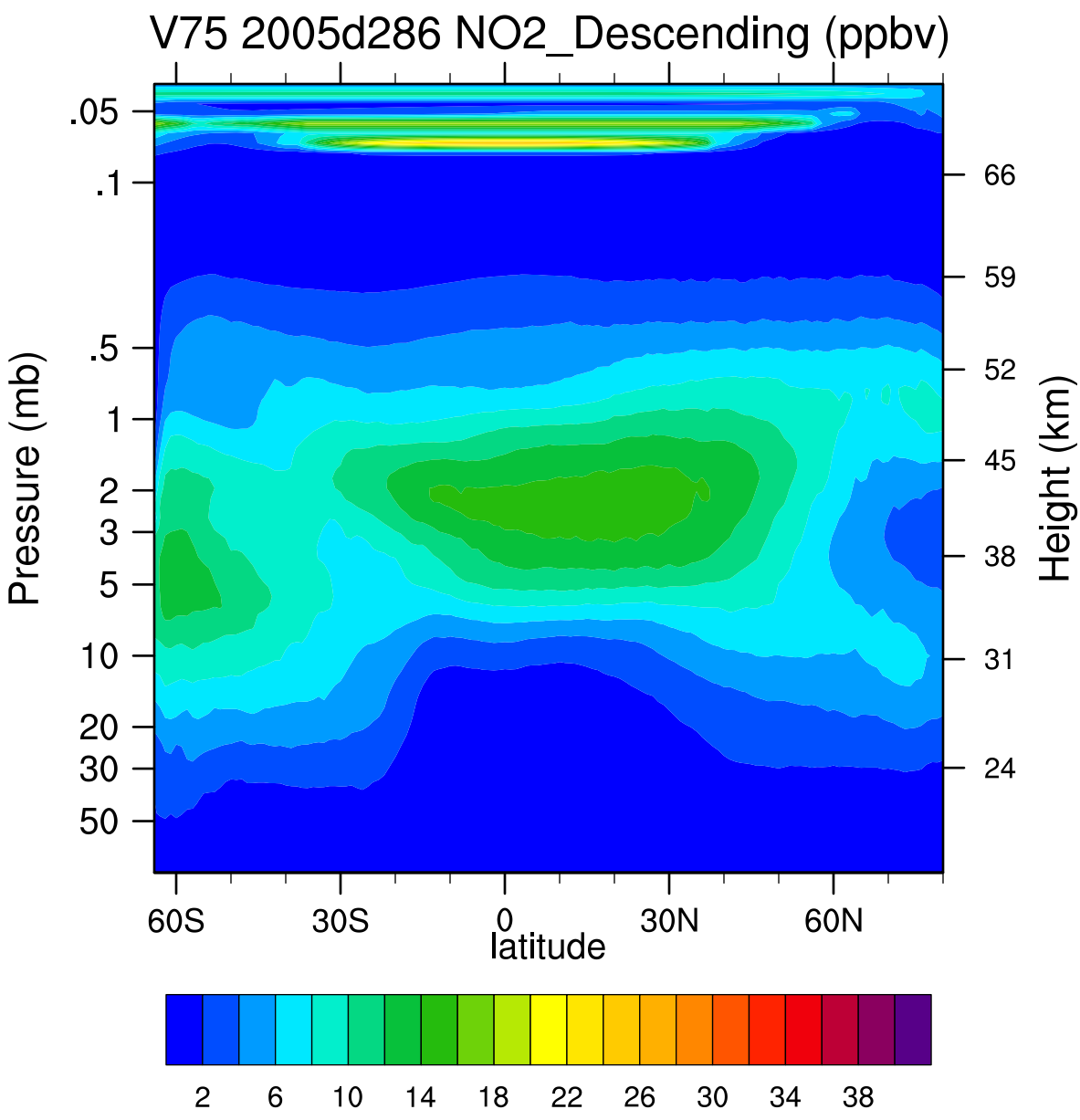
V75 2005d286 NO2_Descending (ppbv)
Pressure (mb)
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2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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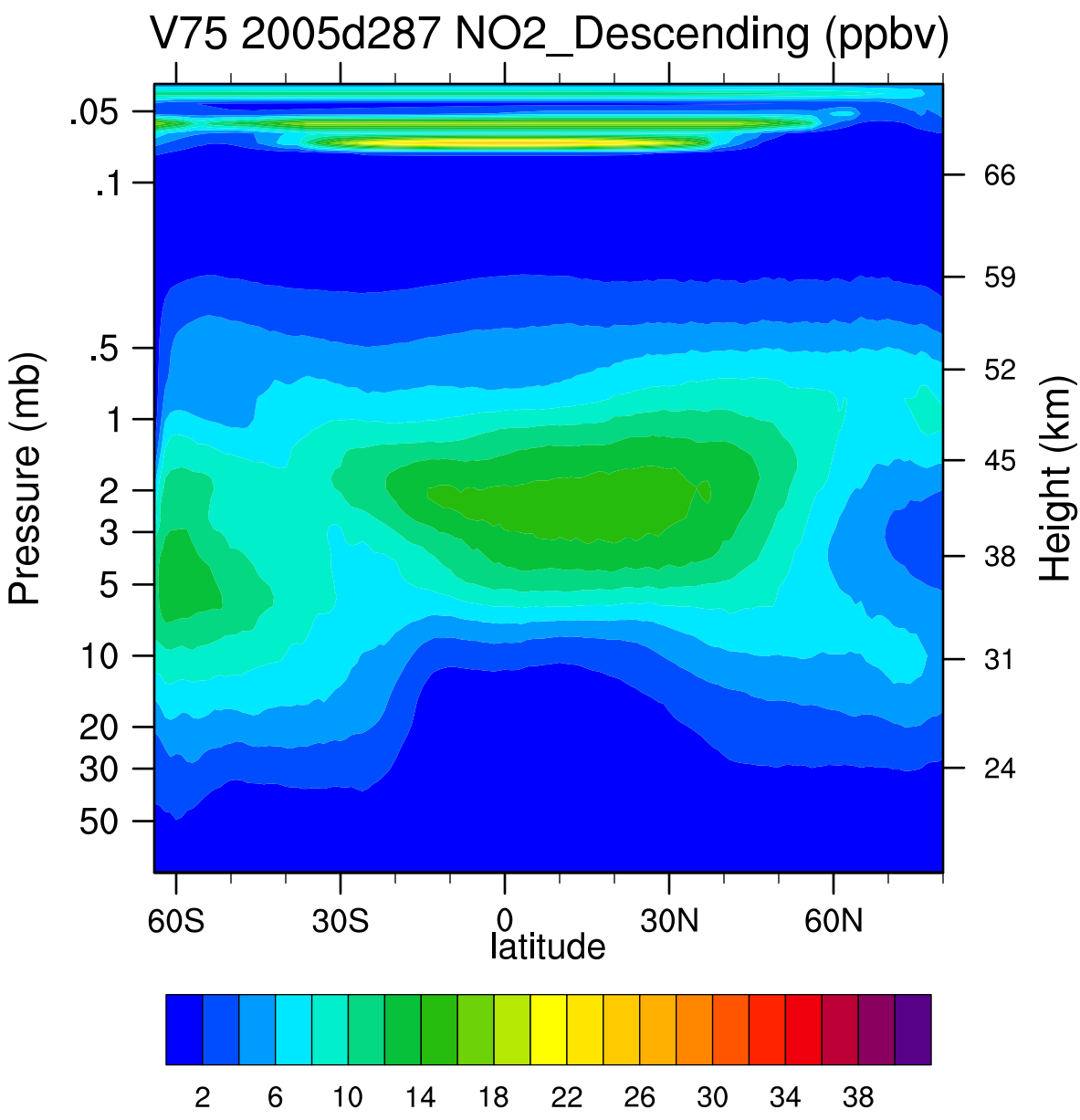
V75 2005d287 NO2_Descending (ppbv)
Pressure (mb)
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5
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30
50
Height (km)
66
59
52
45
38
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24
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30S
0
30N
60N
latitude
2
6
10
14
18
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26
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34
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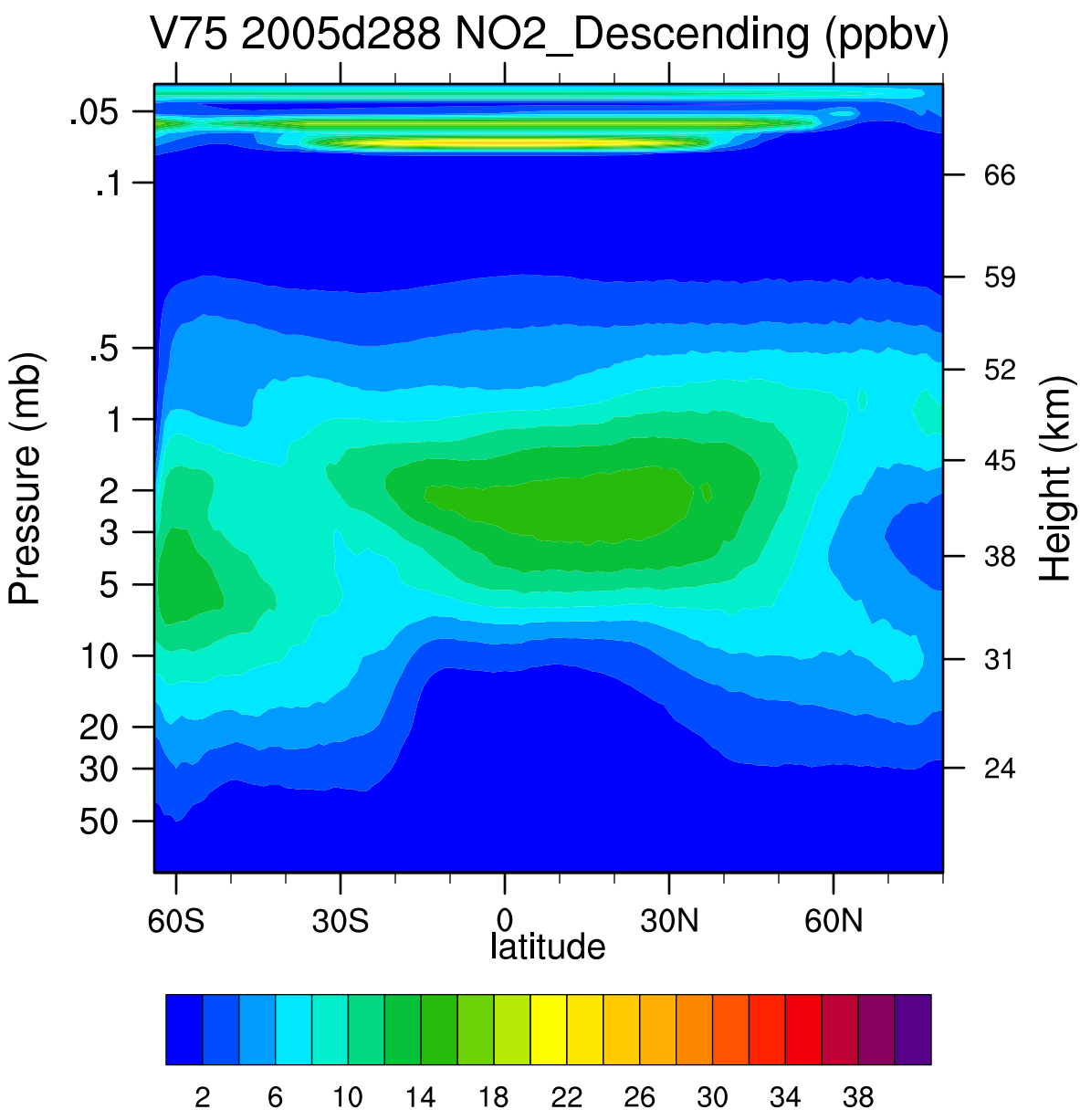
V75 2005d288 NO2_Descending (ppbv)
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.1
.5
1
2
3
5
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20
30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
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30S
0
30N
60N
latitude
2
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10
14
18
22
26
30
34
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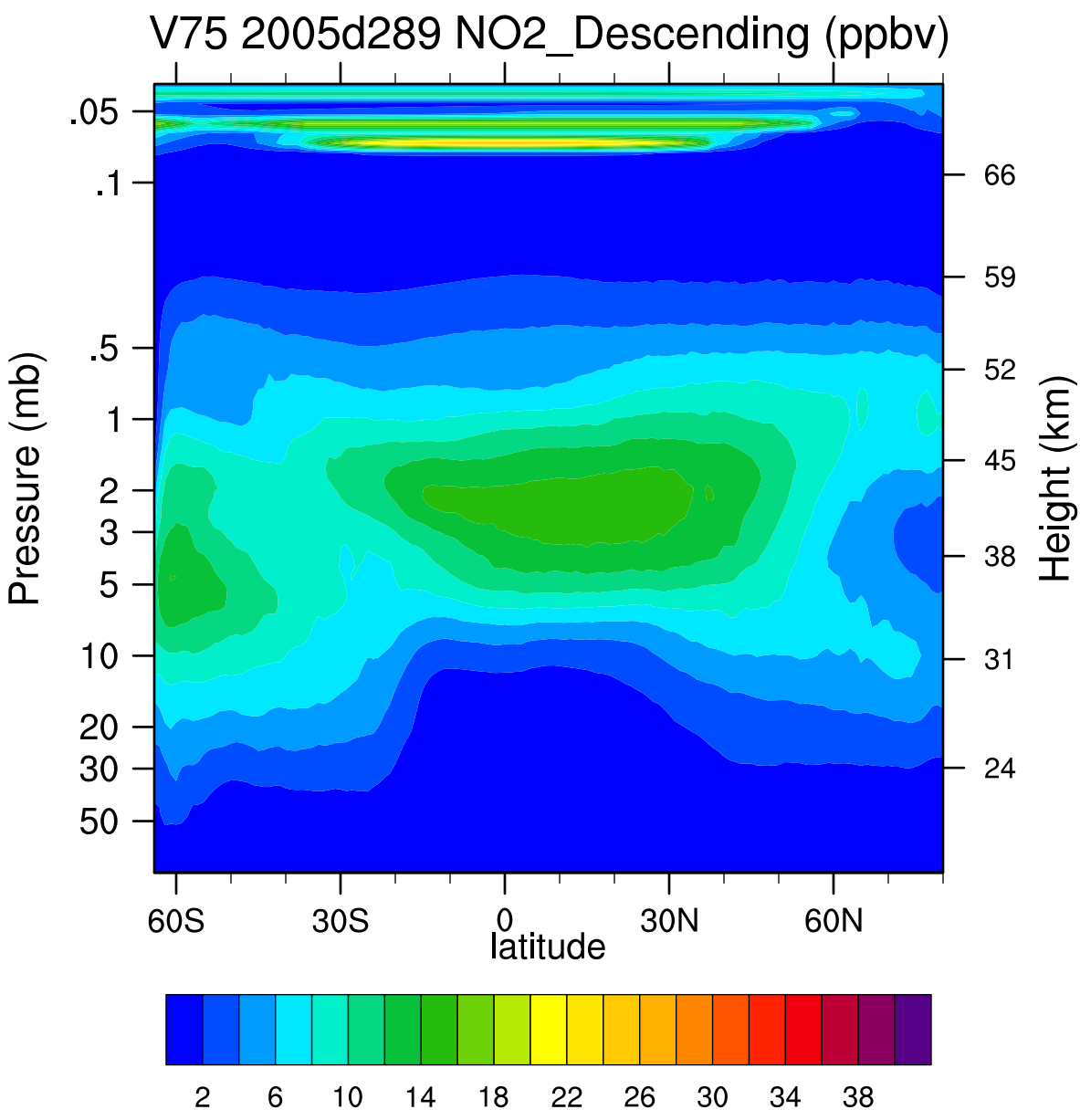
V75 2005d289 NO2_Descending (ppbv)
Pressure (mb)
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5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
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18
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26
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34
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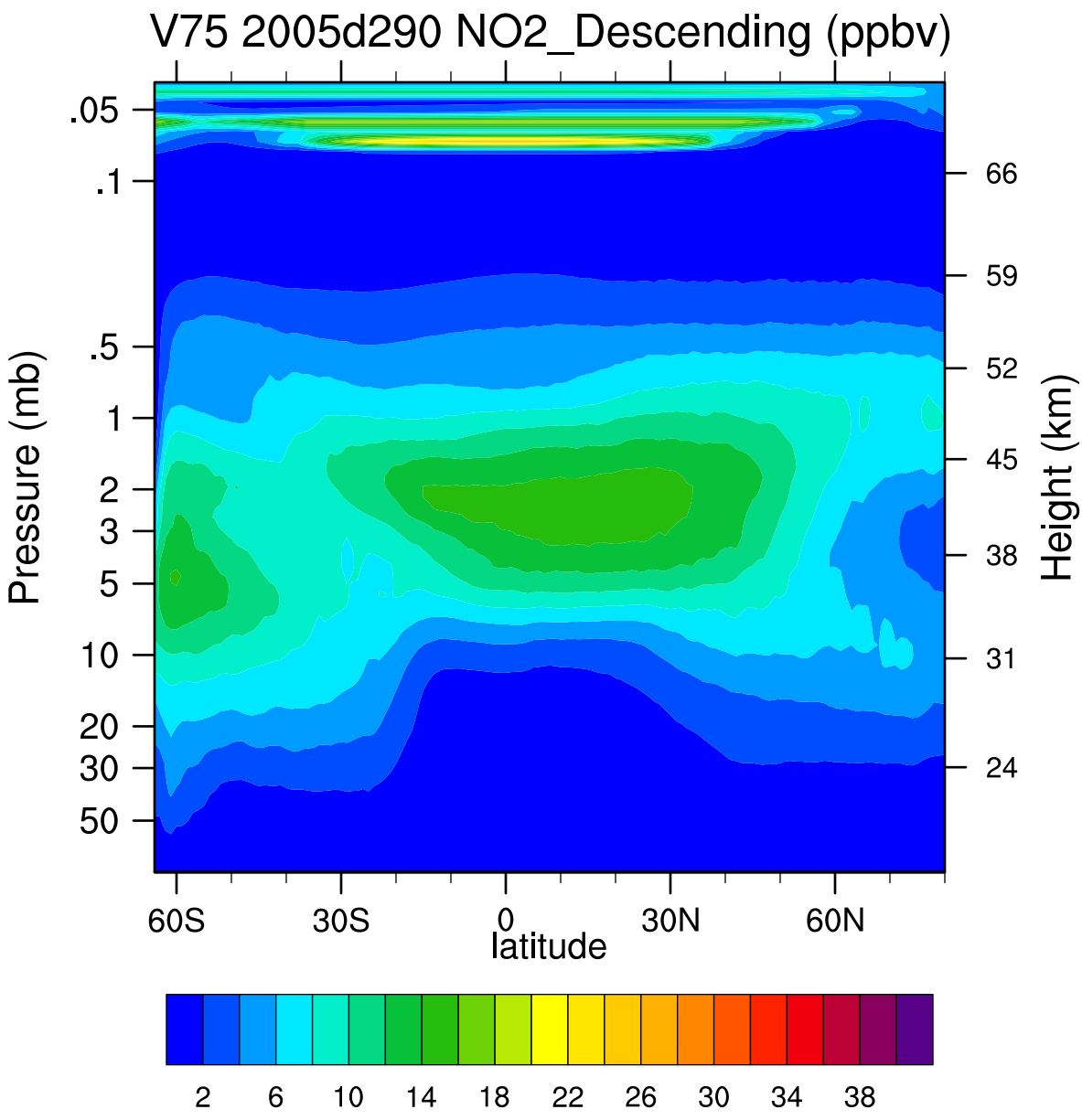
V75 2005d290 NO2_Descending (ppbv)
Pressure (mb)
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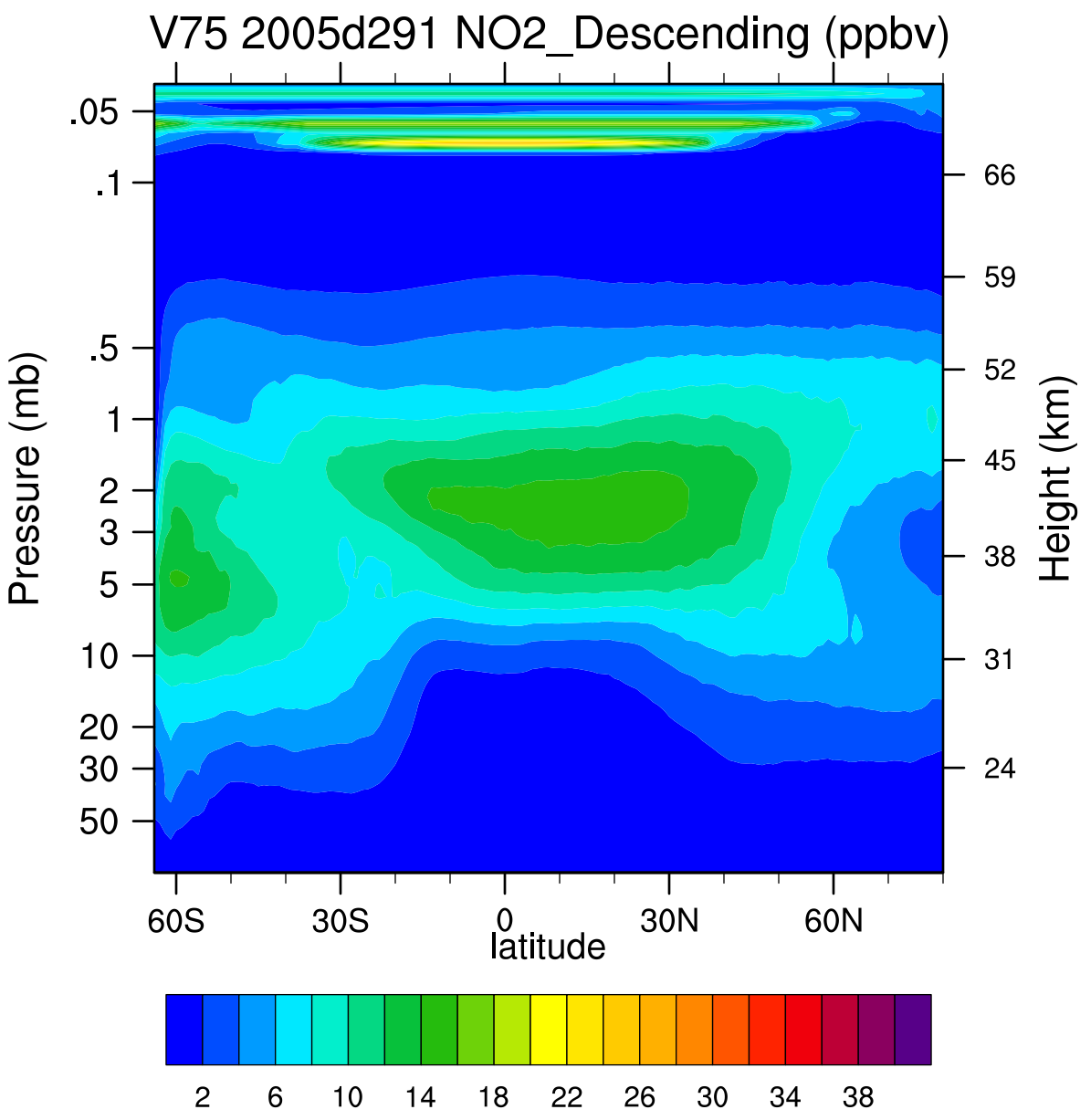
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d291 NO2_Descending (ppbv)
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.5
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3
5
10
20
30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
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30S
0
30N
60N
latitude
2
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14
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26
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34
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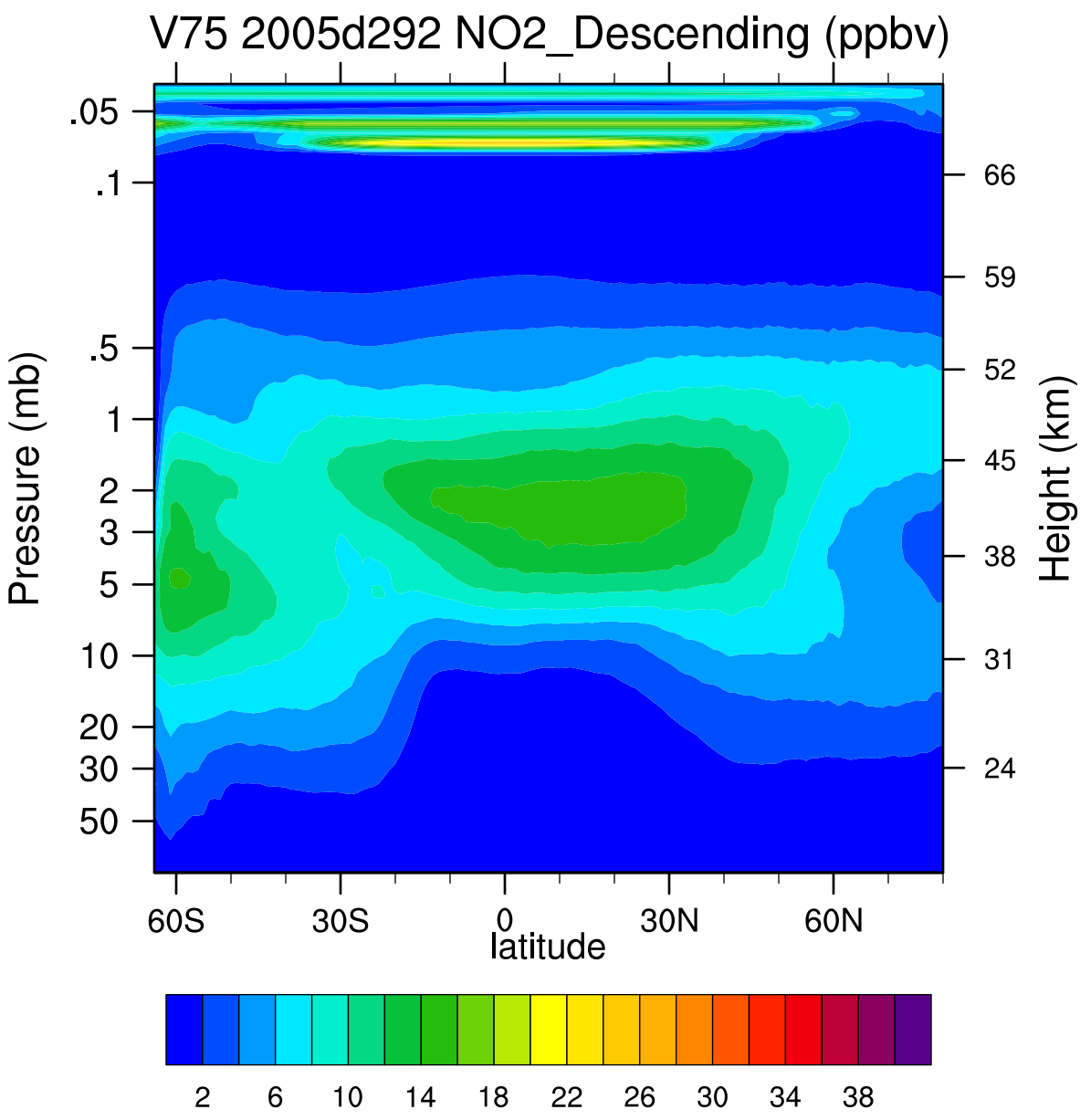
V75 2005d292 NO2_Descending (ppbv)
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.5
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2
3
5
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20
30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
60S
30S
0
30N
60N
latitude
2
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14
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26
30
34
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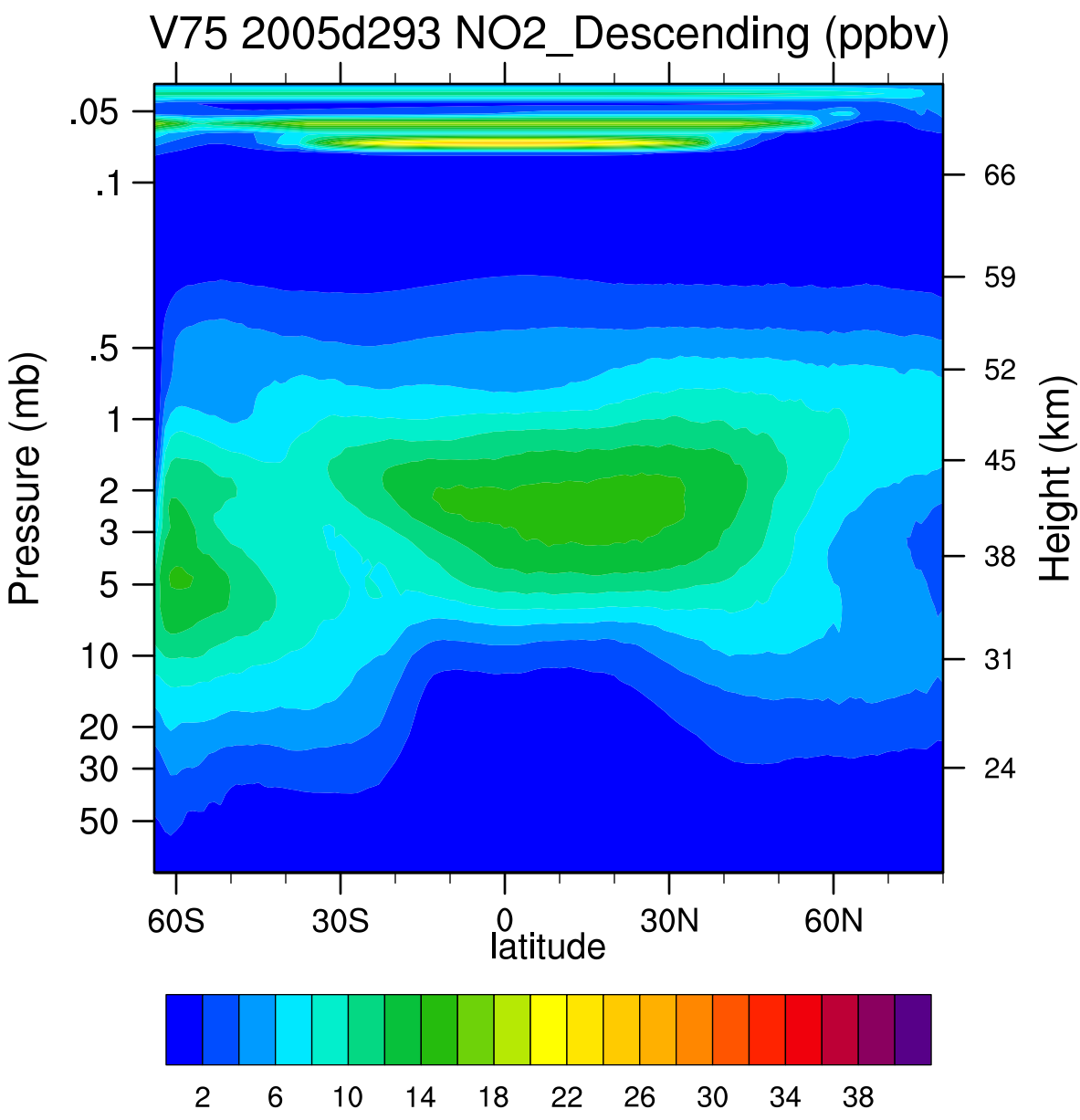
V75 2005d293 NO2_Descending (ppbv)
Pressure (mb)
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.5
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2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
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14
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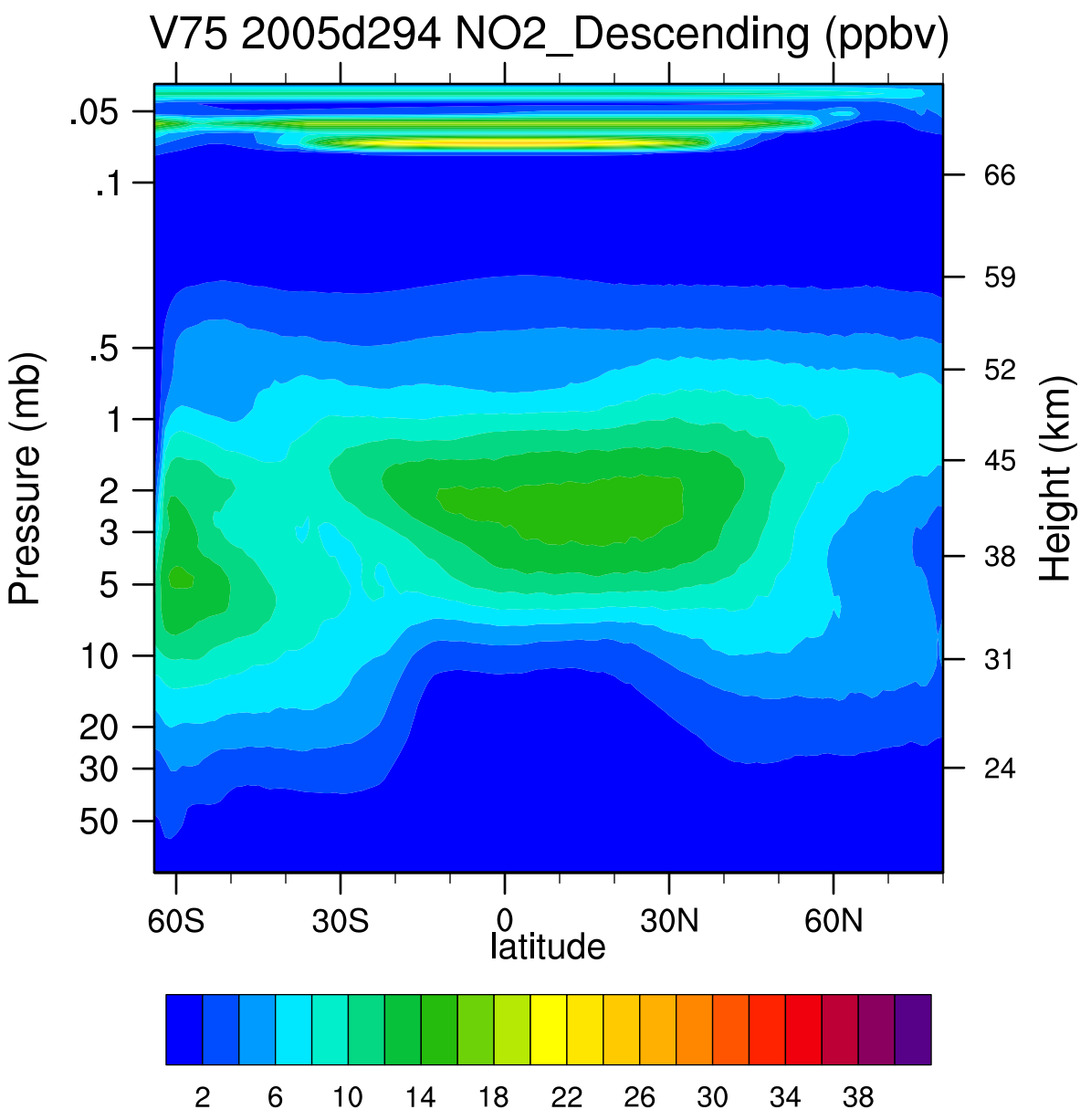
V75 2005d294 NO2_Descending (ppbv)
Pressure (mb)
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.1
.5
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2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
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26
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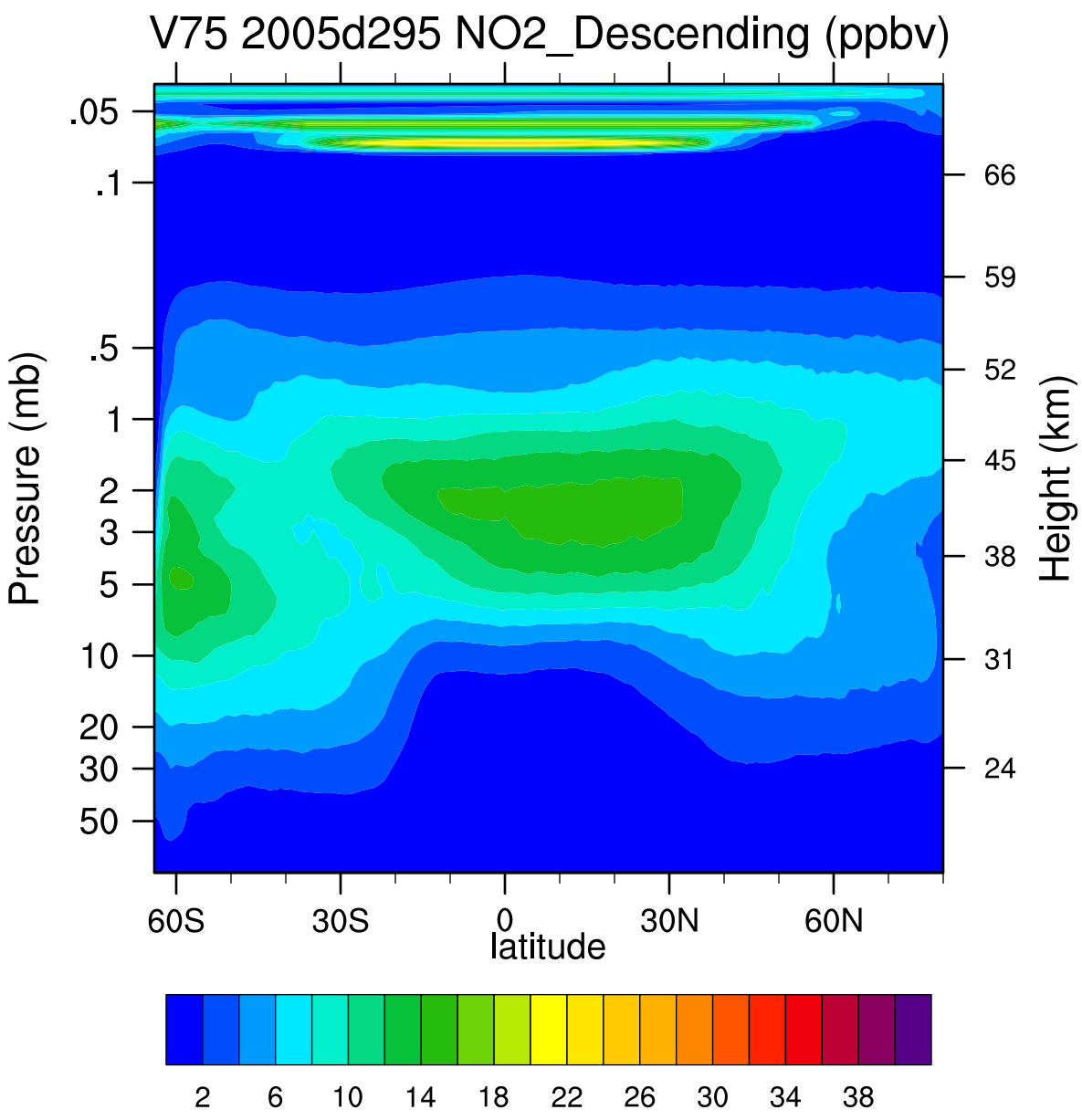
38


V75 2005d295 NO2_Descending (ppbv)
Pressure (mb)
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.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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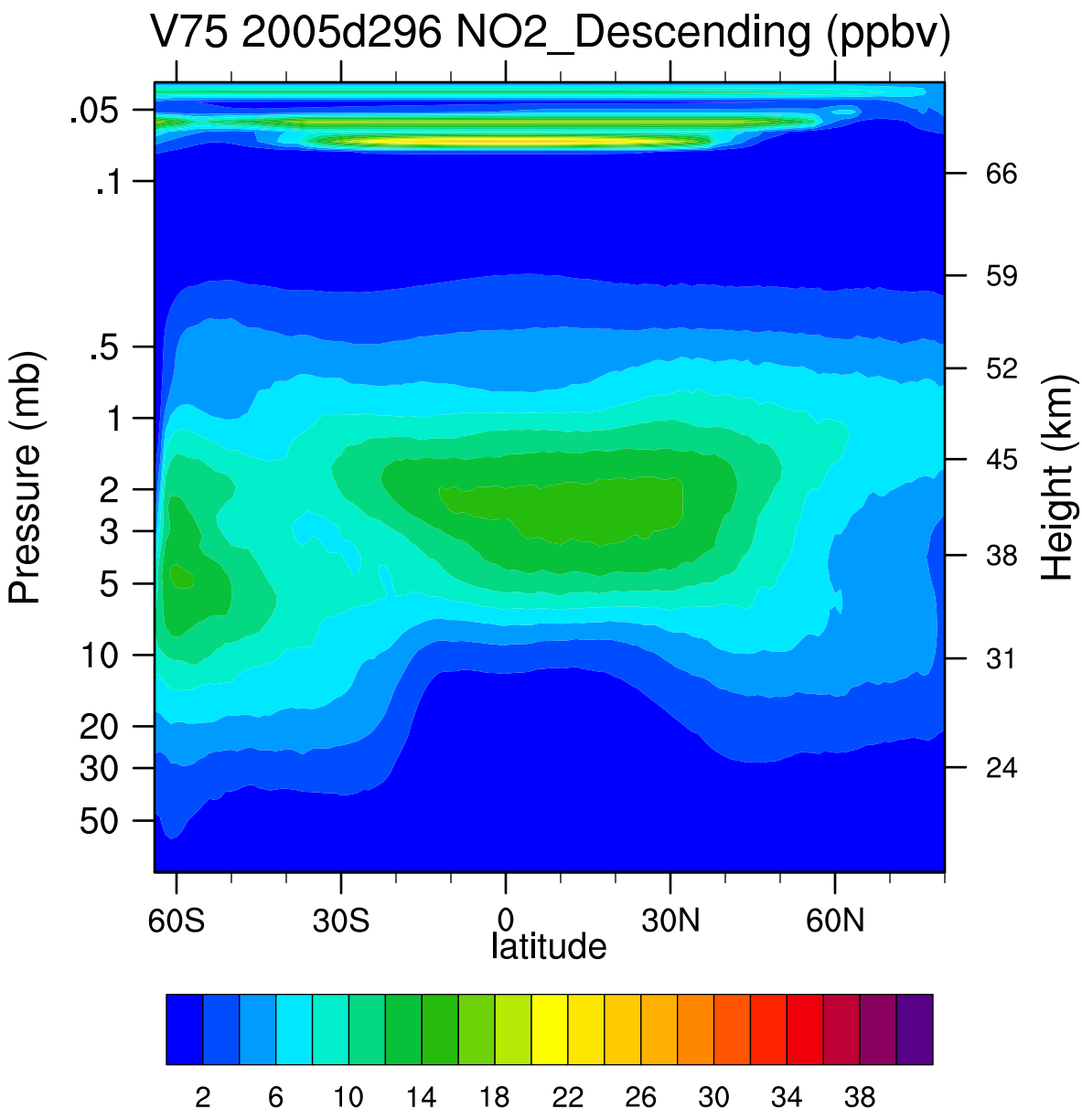
V75 2005d296 NO2_Descending (ppbv)
Pressure (mb)
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.5
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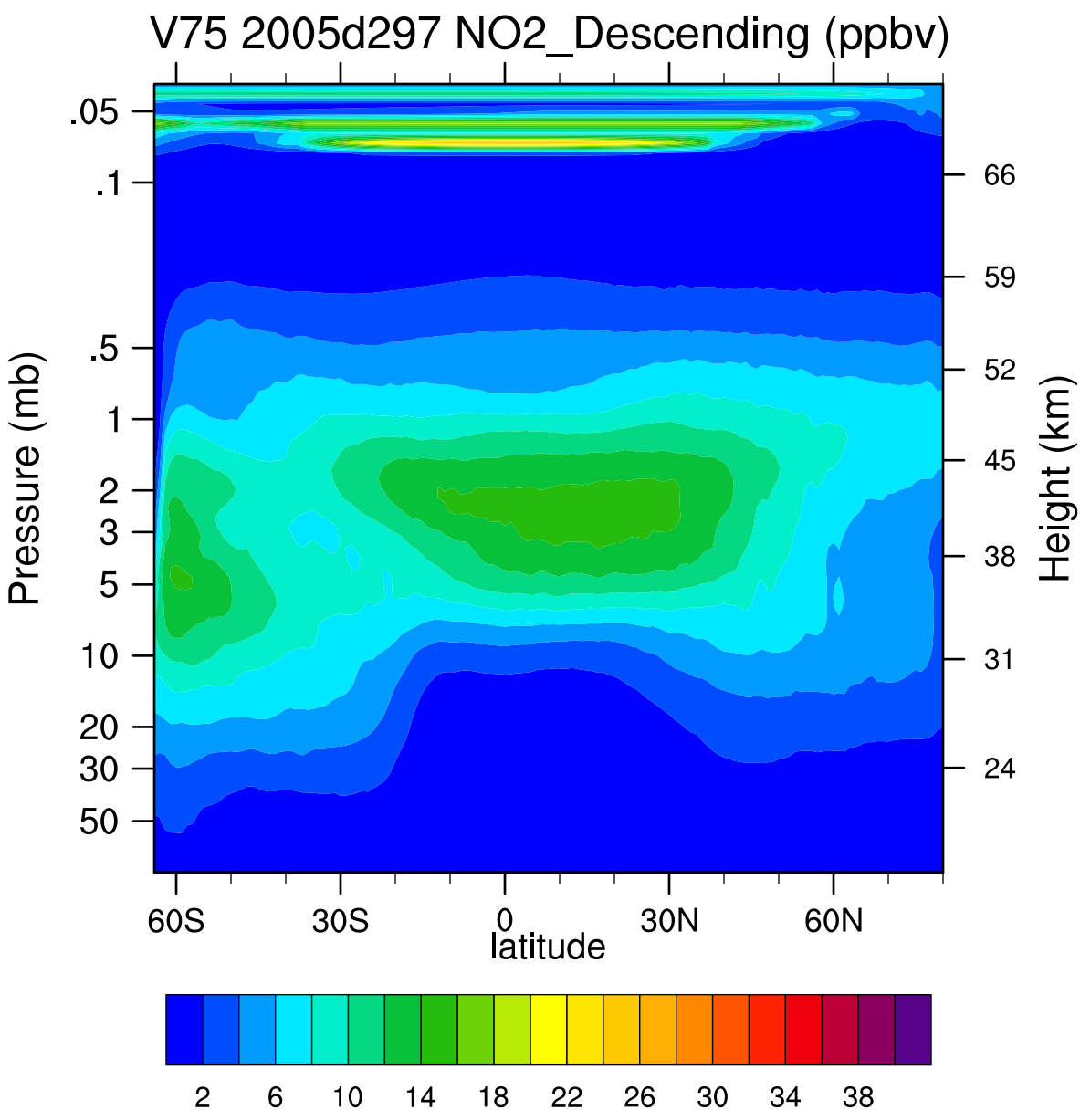
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d297 NO2_Descending (ppbv)
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.5
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5
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20
30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
60S
30S
0
30N
60N
latitude
2
6
10
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18
22
26
30
34
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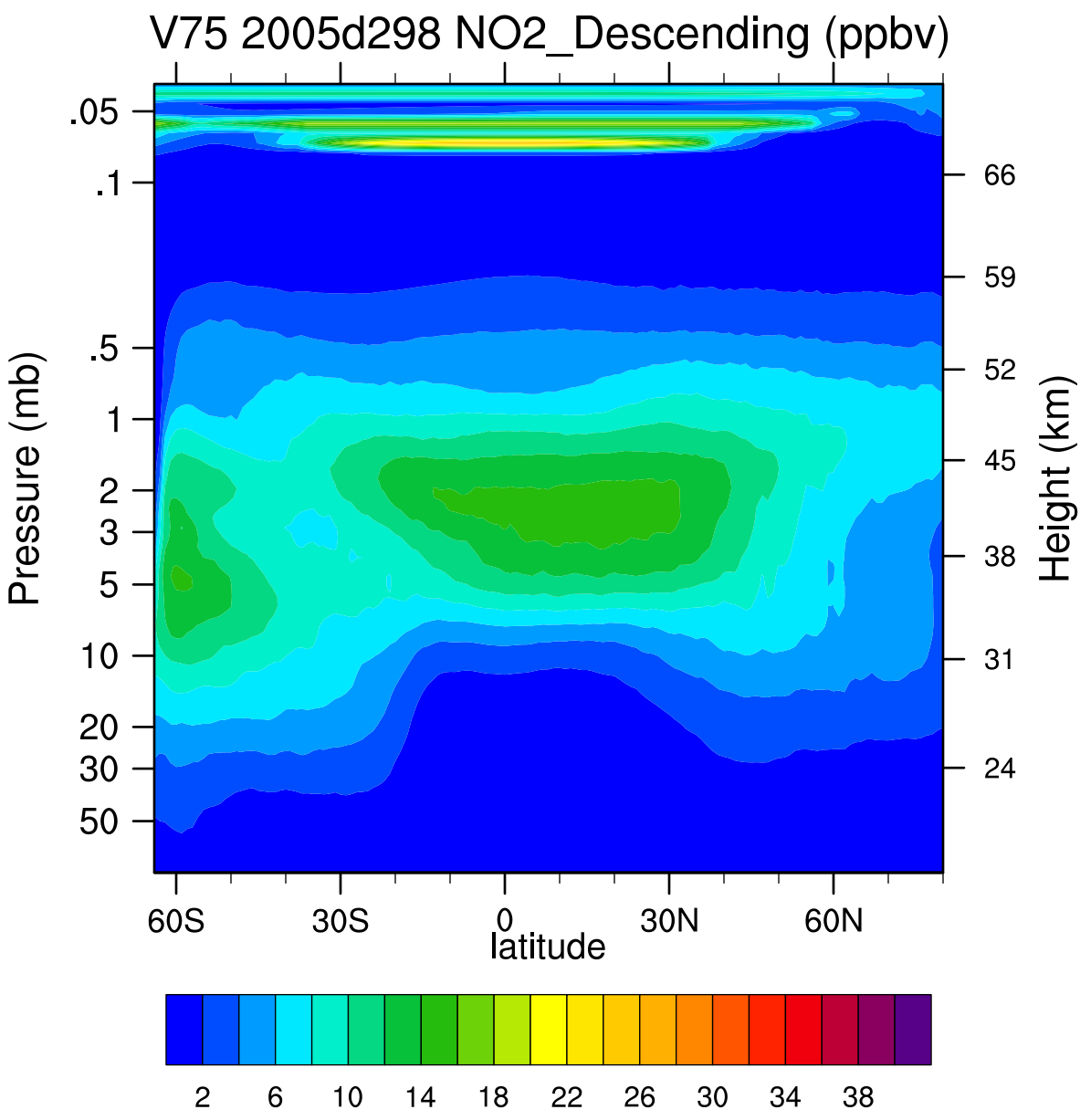
V75 2005d298 NO2_Descending (ppbv)
Pressure (mb)
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.5
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2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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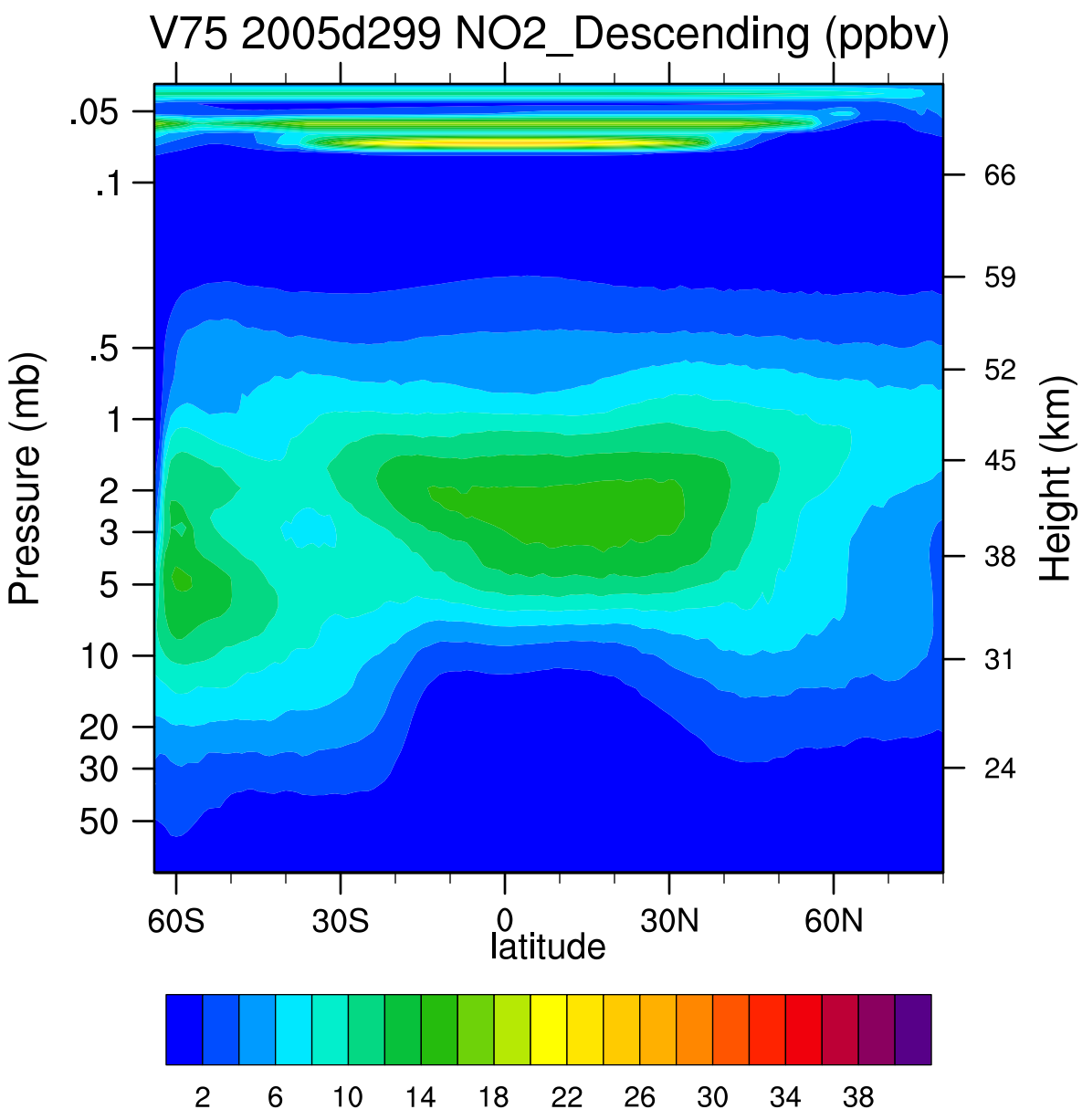
V75 2005d299 NO2_Descending (ppbv)
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.5
1
2
3
5
10
20
30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
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34
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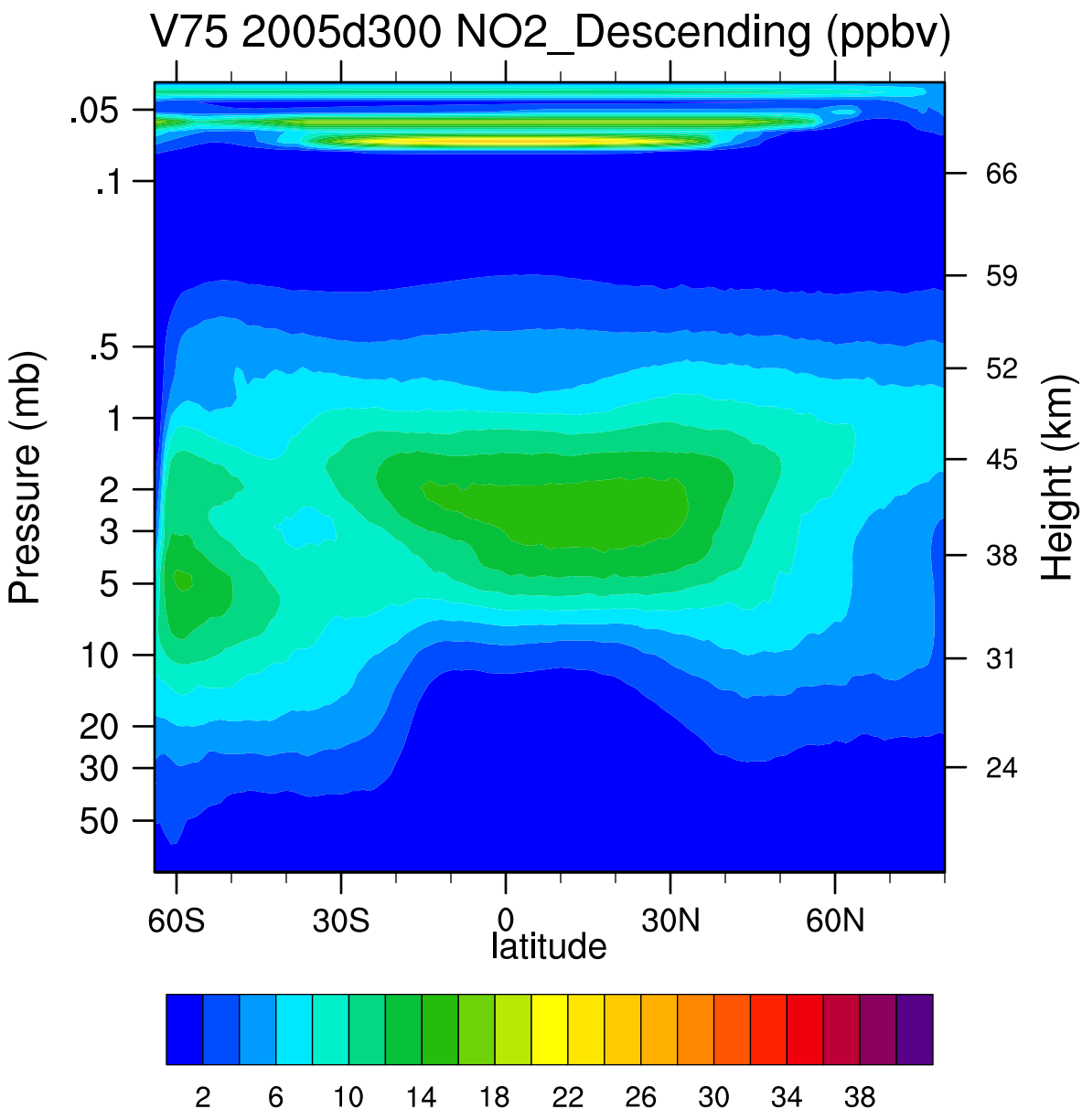
V75 2005d300 NO2_Descending (ppbv)
Pressure (mb)
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.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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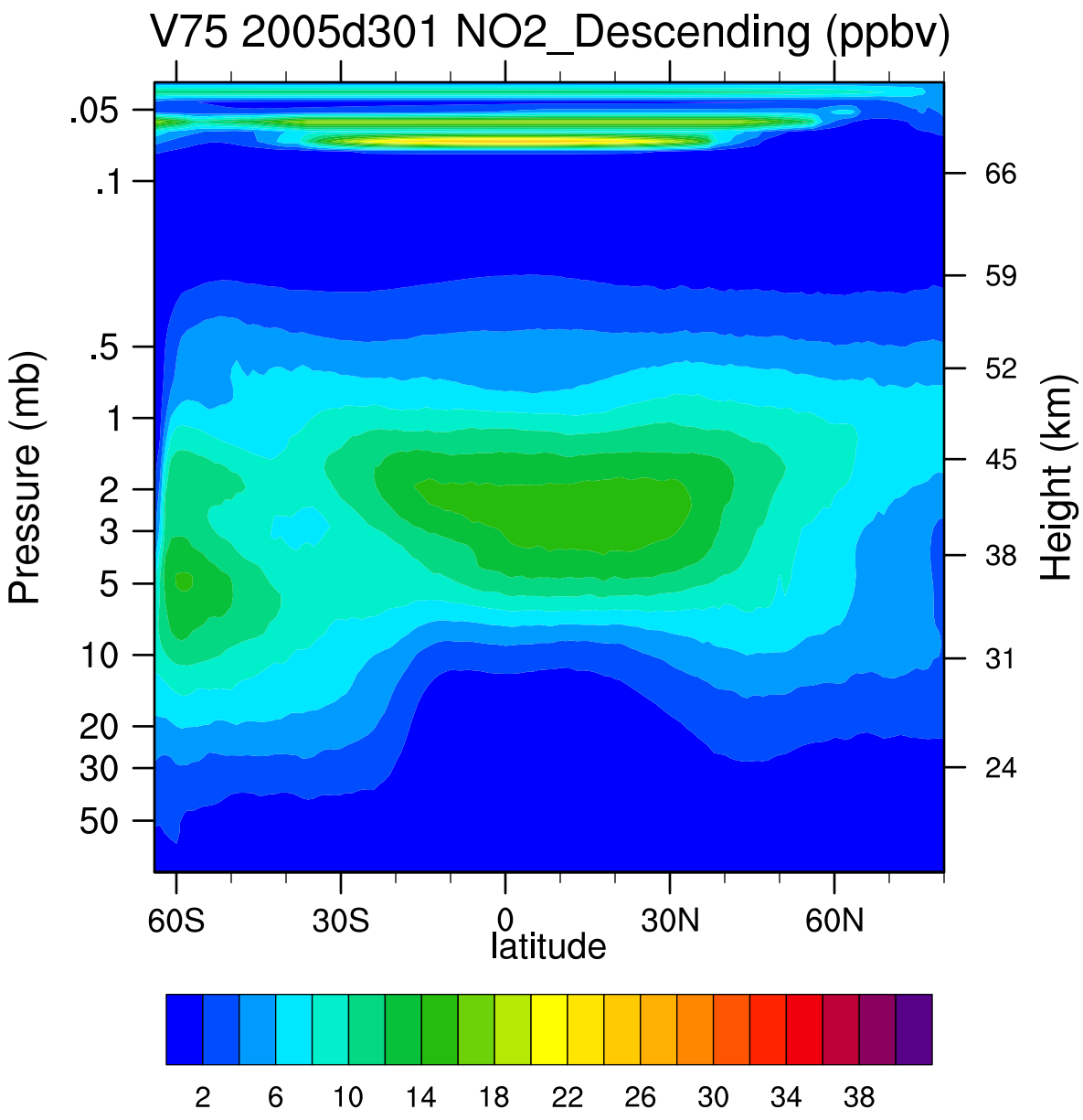
V75 2005d301 NO2_Descending (ppbv)
Pressure (mb)
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.5
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5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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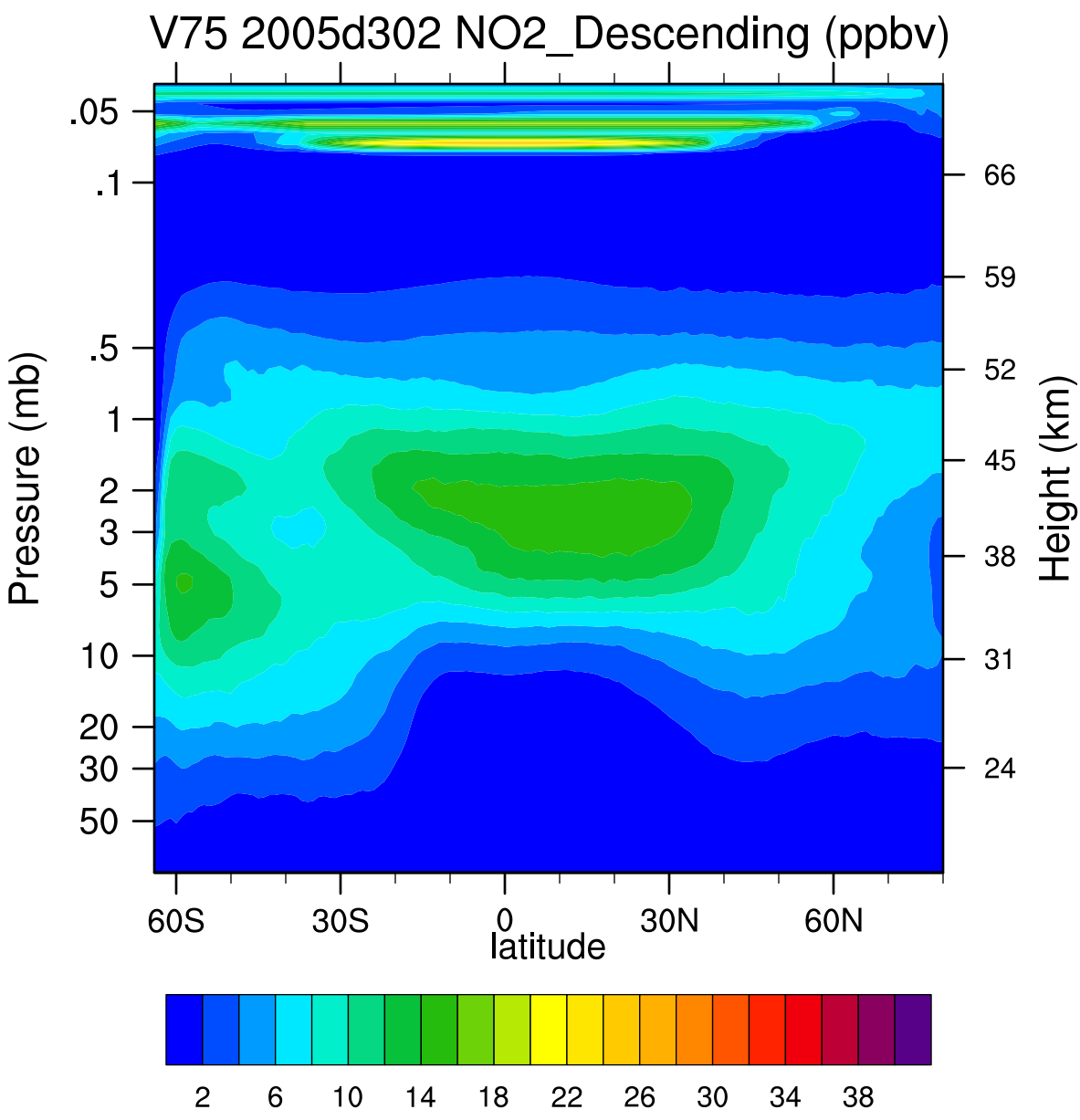
V75 2005d302 NO2_Descending (ppbv)
Pressure (mb)
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5
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20
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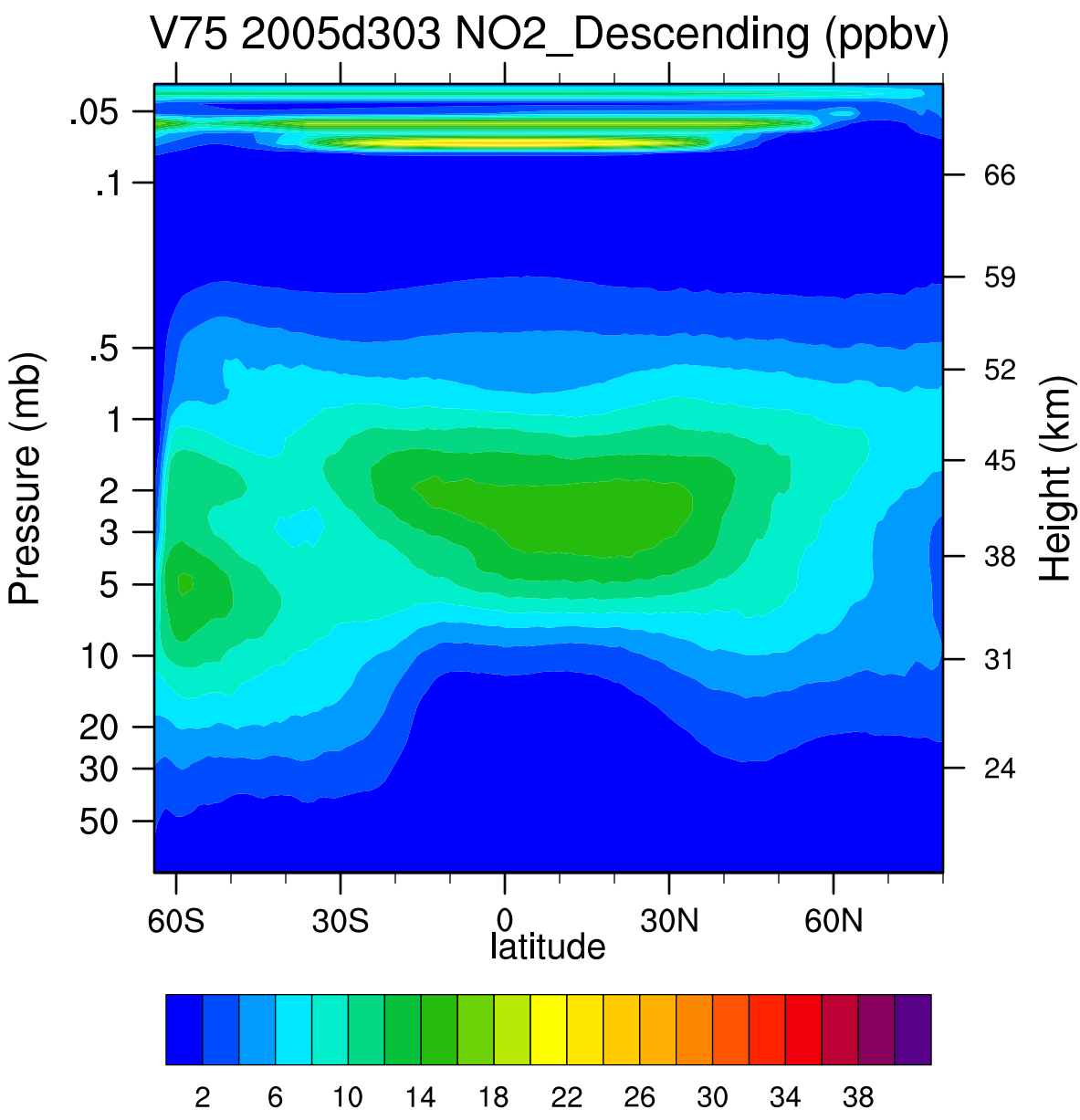
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d303 NO2_Descending (ppbv)
Pressure (mb)
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.5
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5
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Height (km)
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59
52
45
38
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24
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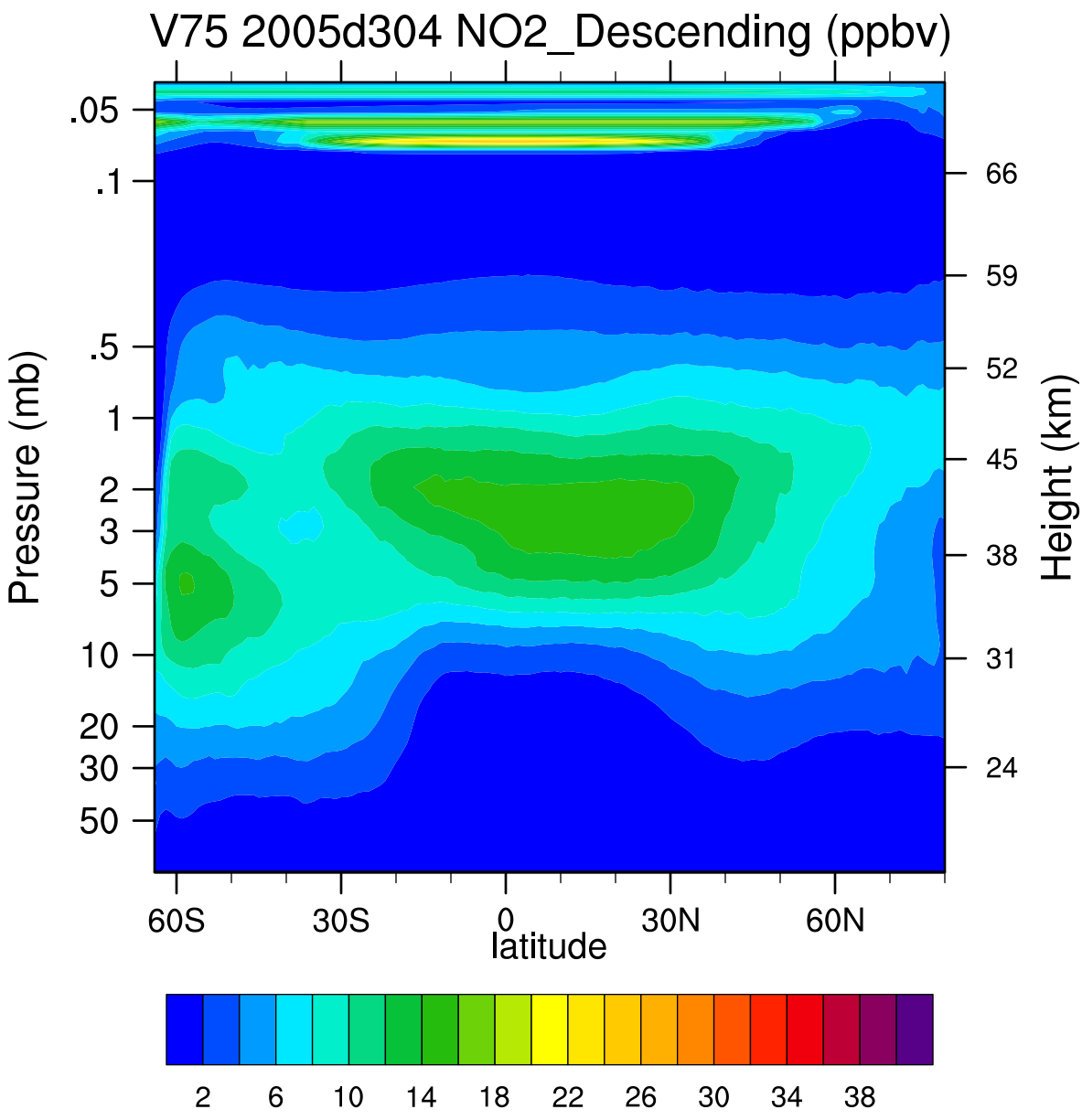
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d304 NO2_Descending (ppbv)
Pressure (mb)
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5
10
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Height (km)
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59
52
45
38
31
24
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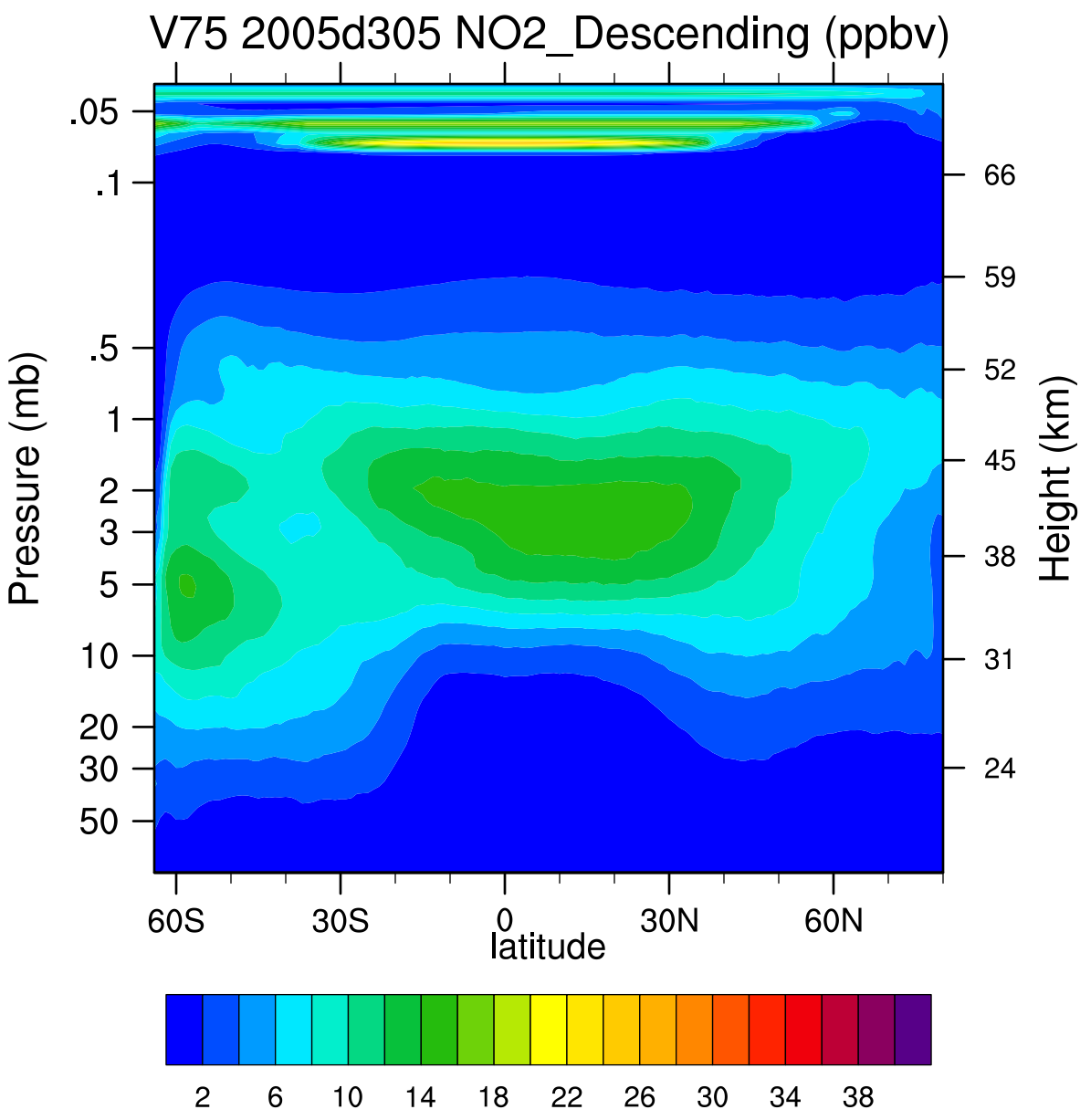
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d305 NO2_Descending (ppbv)
Pressure (mb)
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.5
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3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
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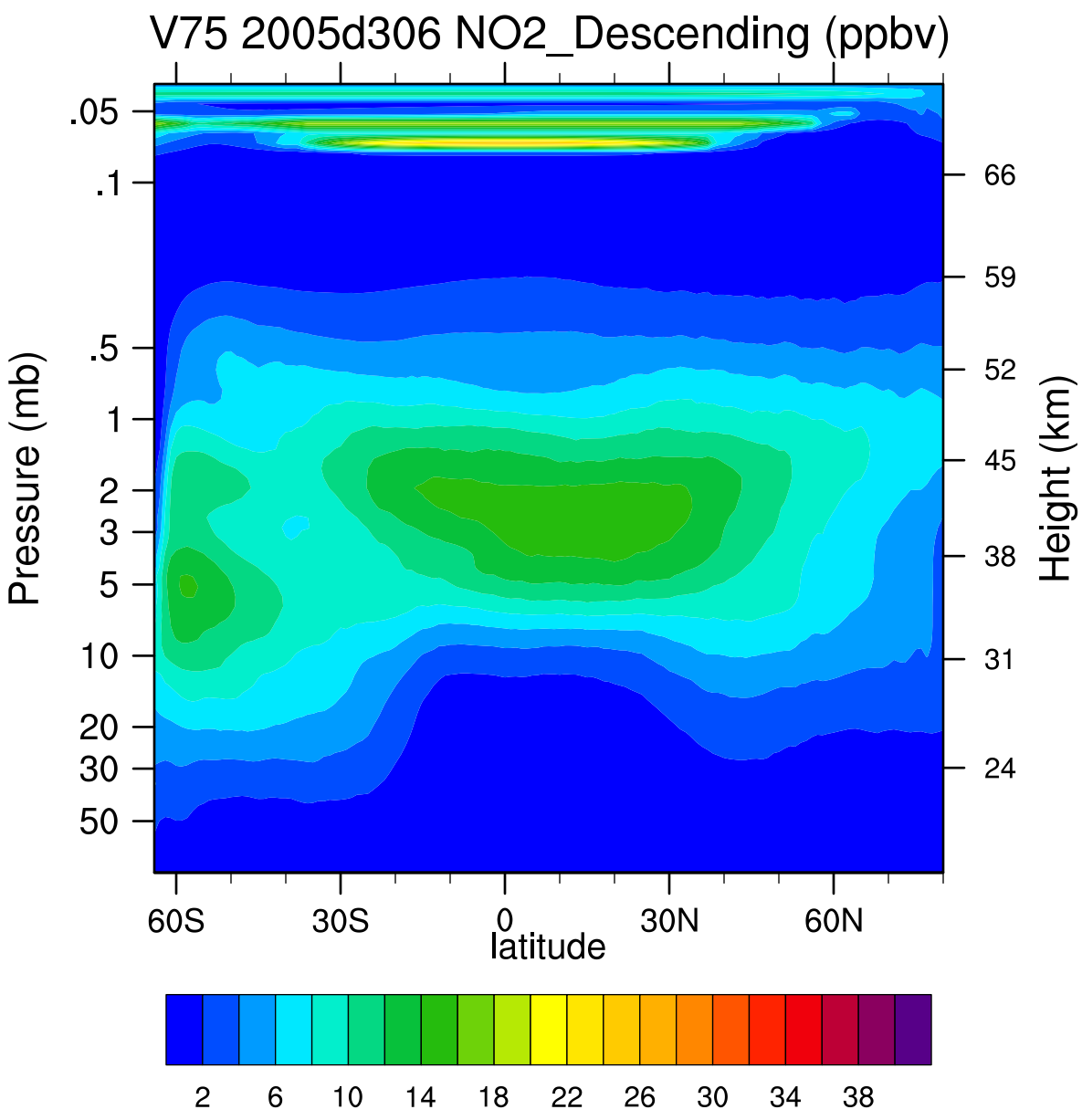
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d306 NO2_Descending (ppbv)
Pressure (mb)
.05
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.5
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2
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5
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20
30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
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34
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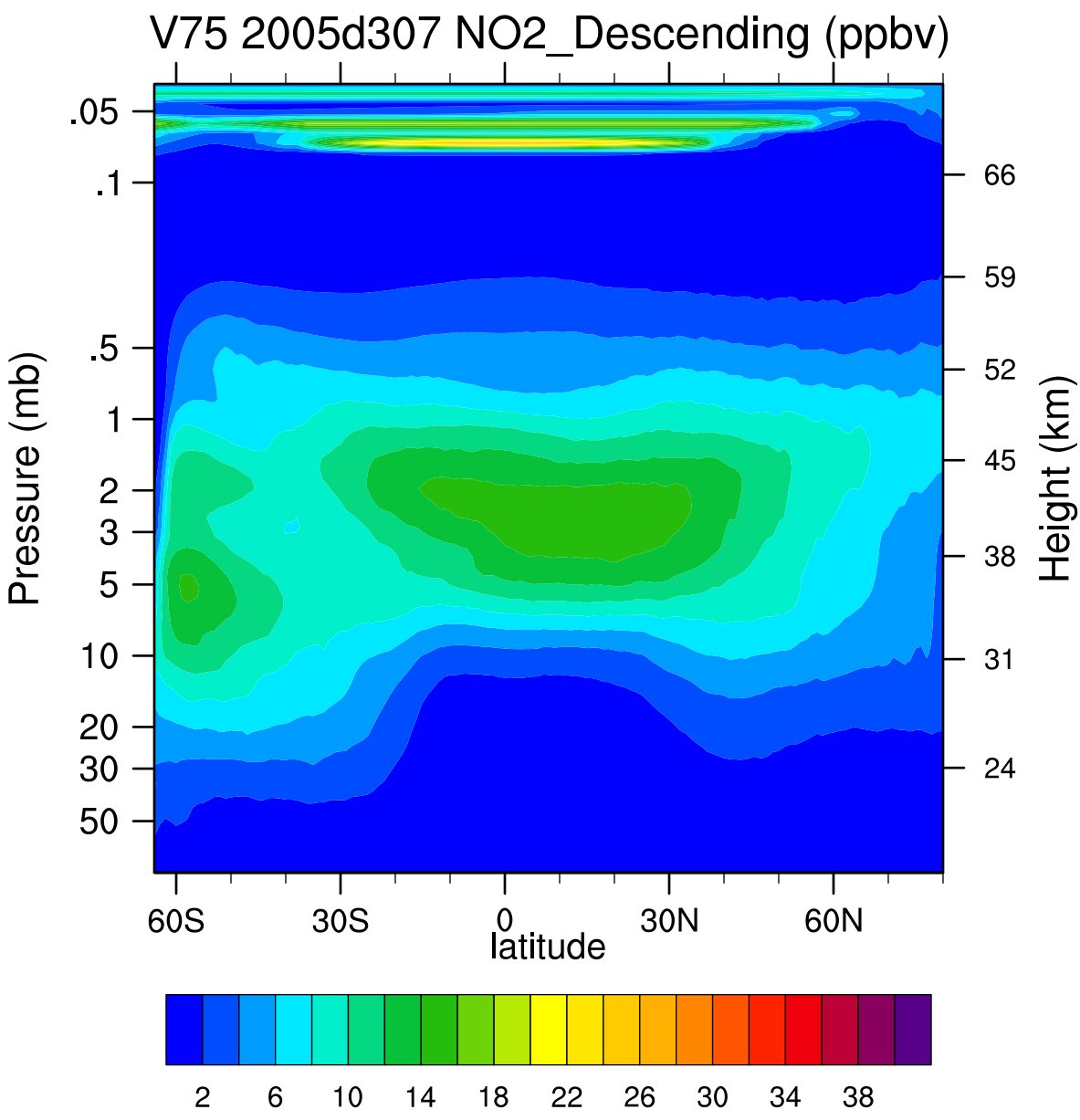
V75 2005d307 NO2_Descending (ppbv)
Pressure (mb)
.05
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.5
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3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
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34
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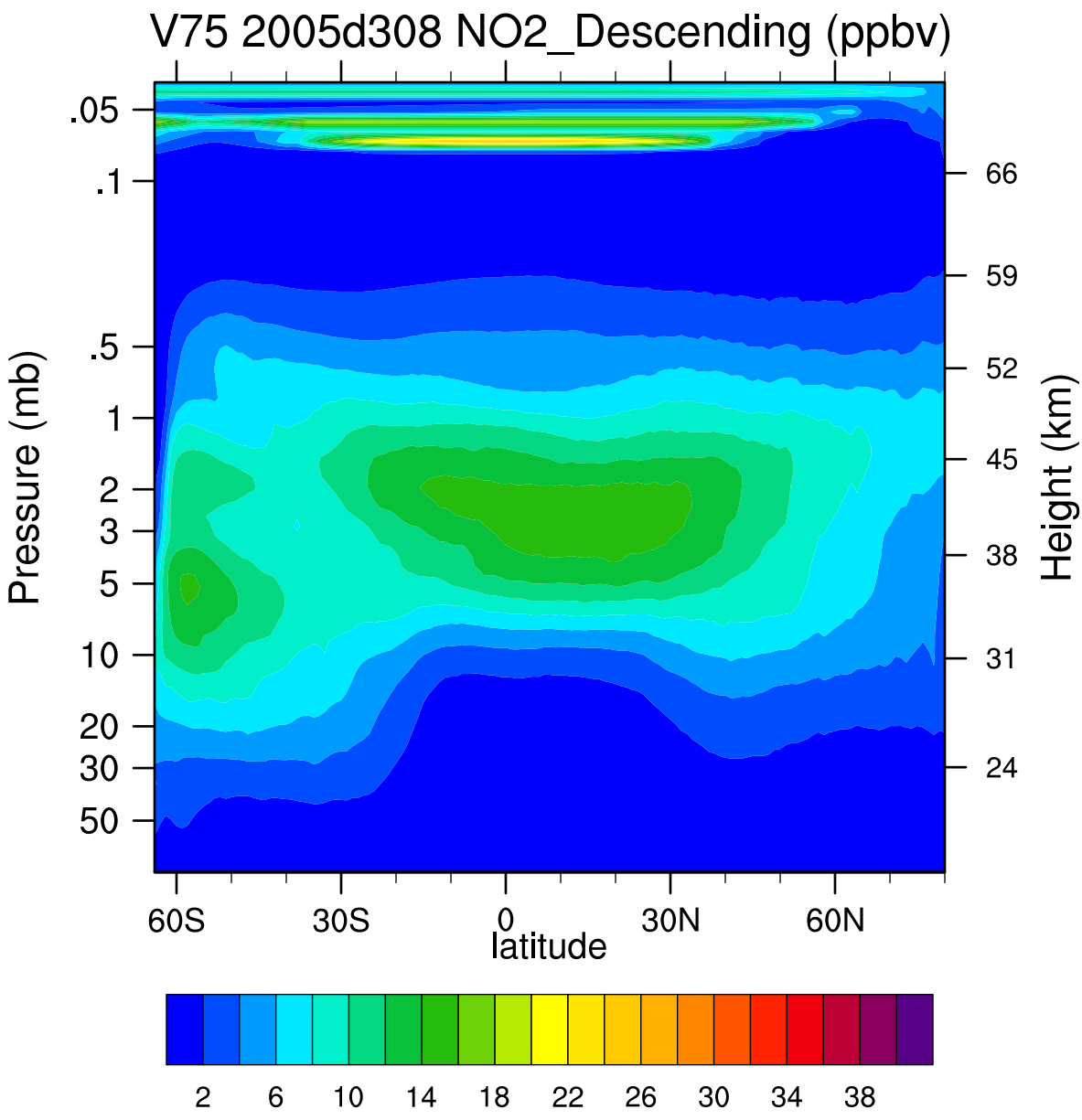
V75 2005d308 NO2_Descending (ppbv)
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.5
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2
3
5
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20
30
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Pressure (mb)
66
59
52
45
38
31
24
Height (km)
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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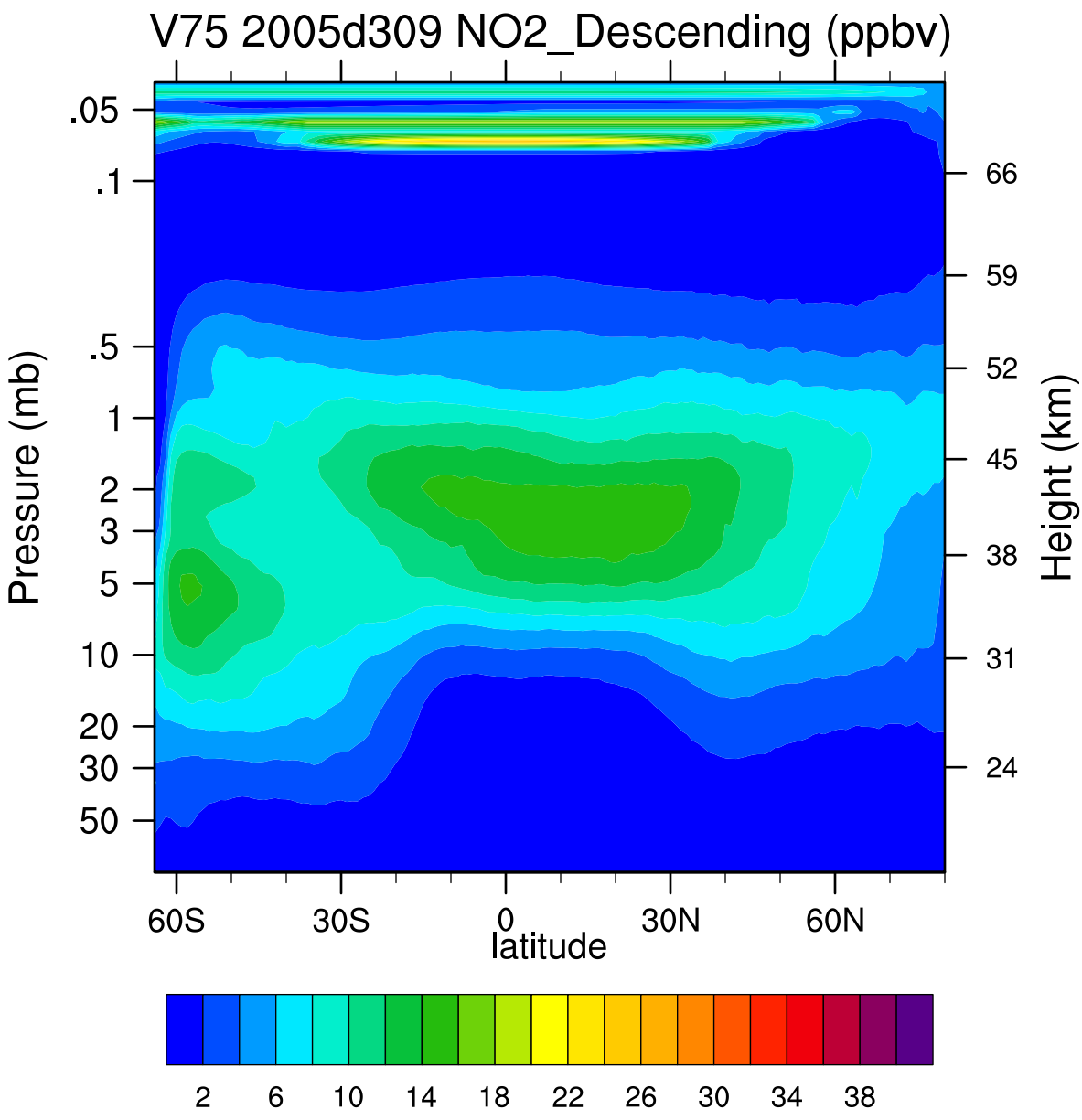
V75 2005d309 NO2_Descending (ppbv)
Pressure (mb)
.05
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.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
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14
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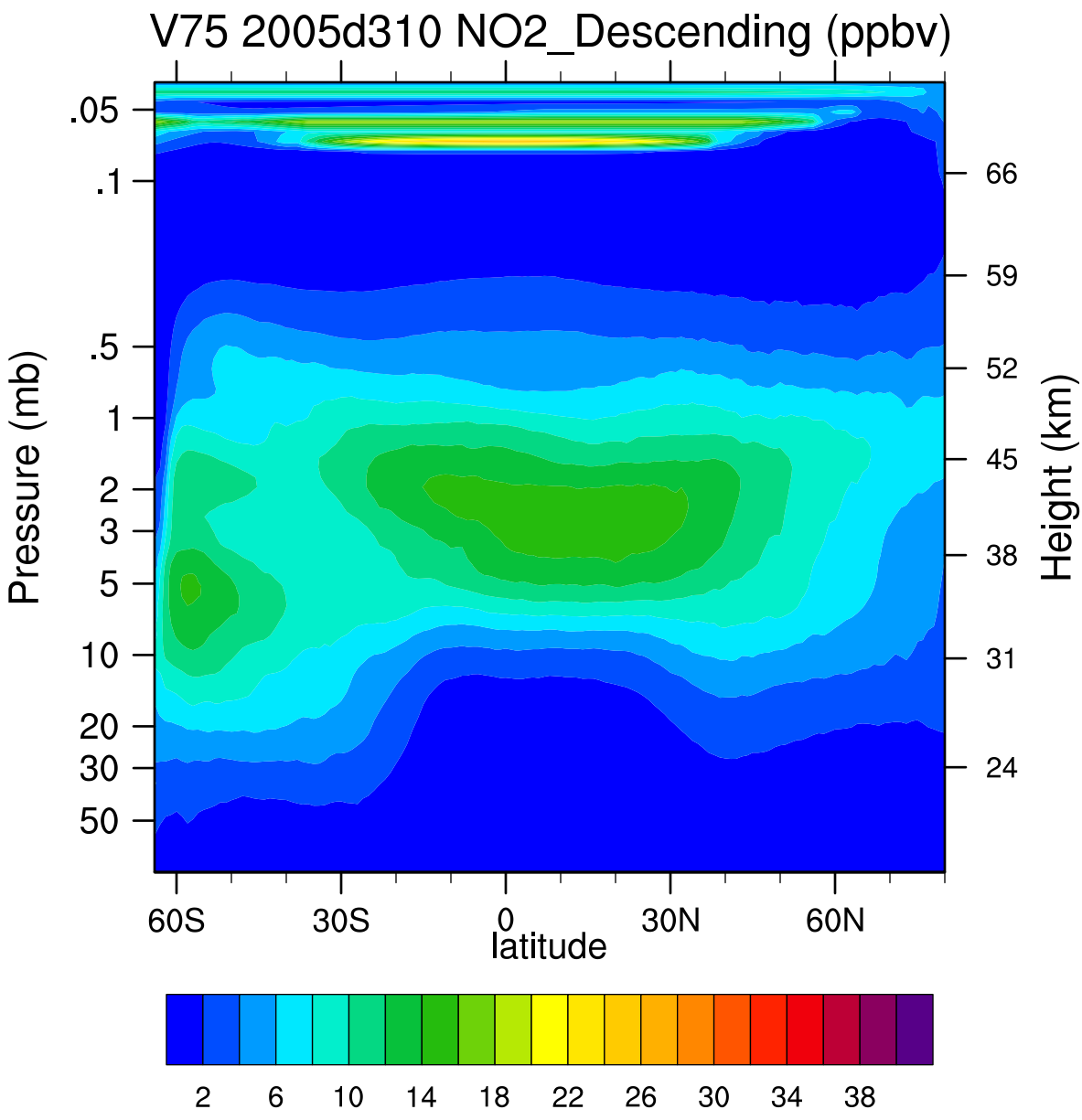
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Pressure (mb)
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.5
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2
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5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
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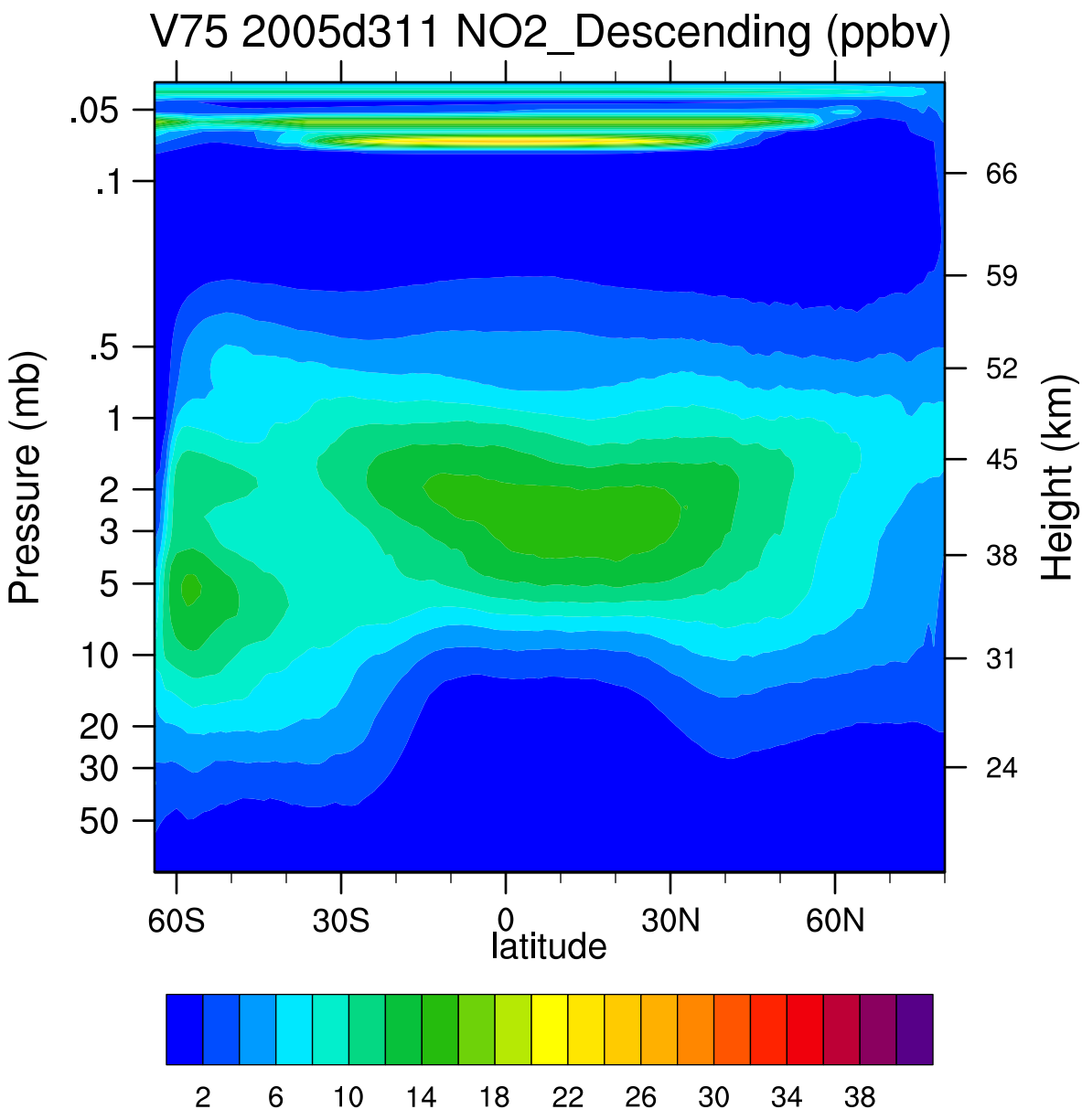
V75 2005d311 NO2_Descending (ppbv)
Pressure (mb)
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.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
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22
26
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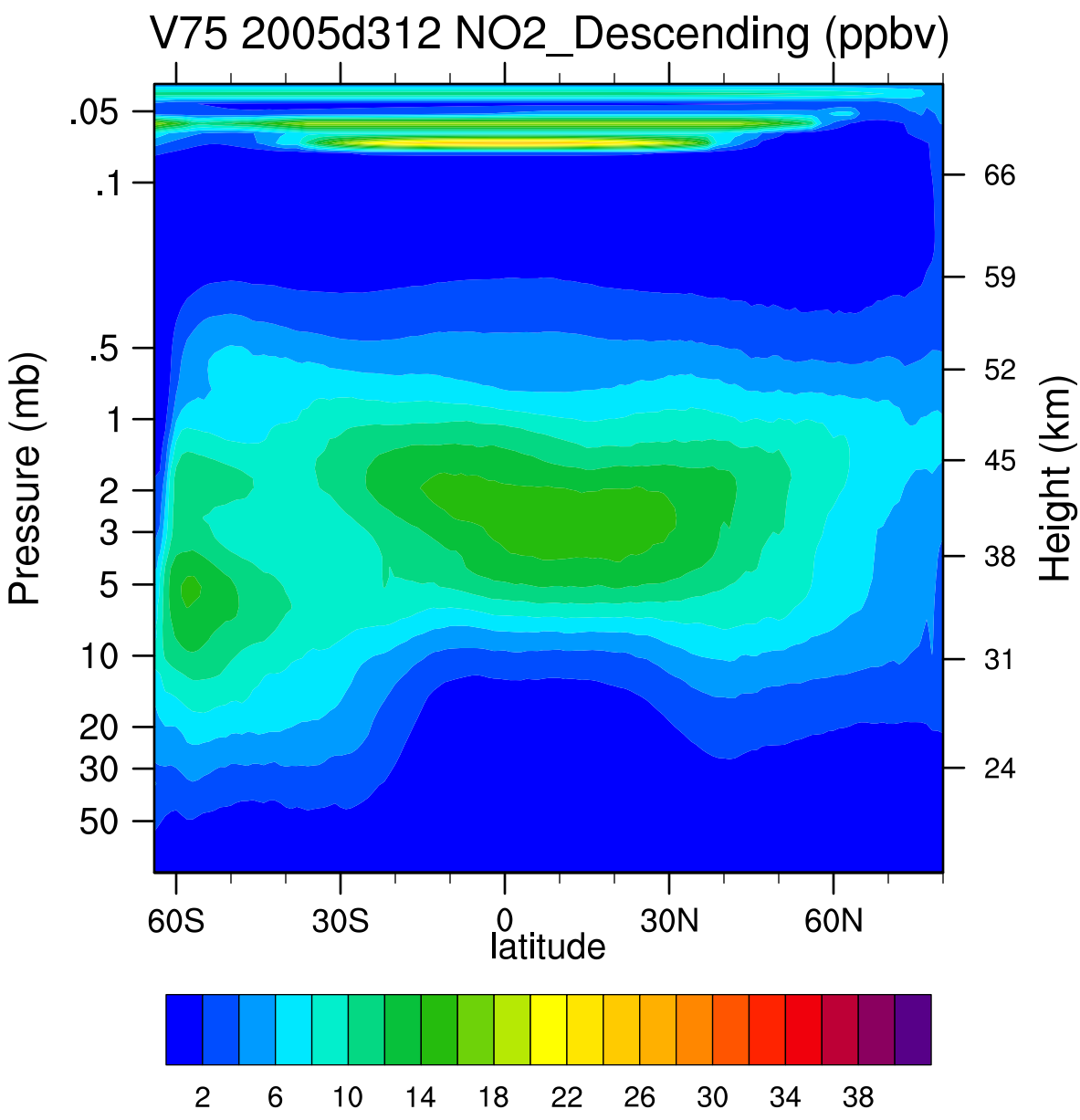
34
38


V75 2005d312 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
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30S
0
30N
60N
latitude
2
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10
14
18
22
26
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34
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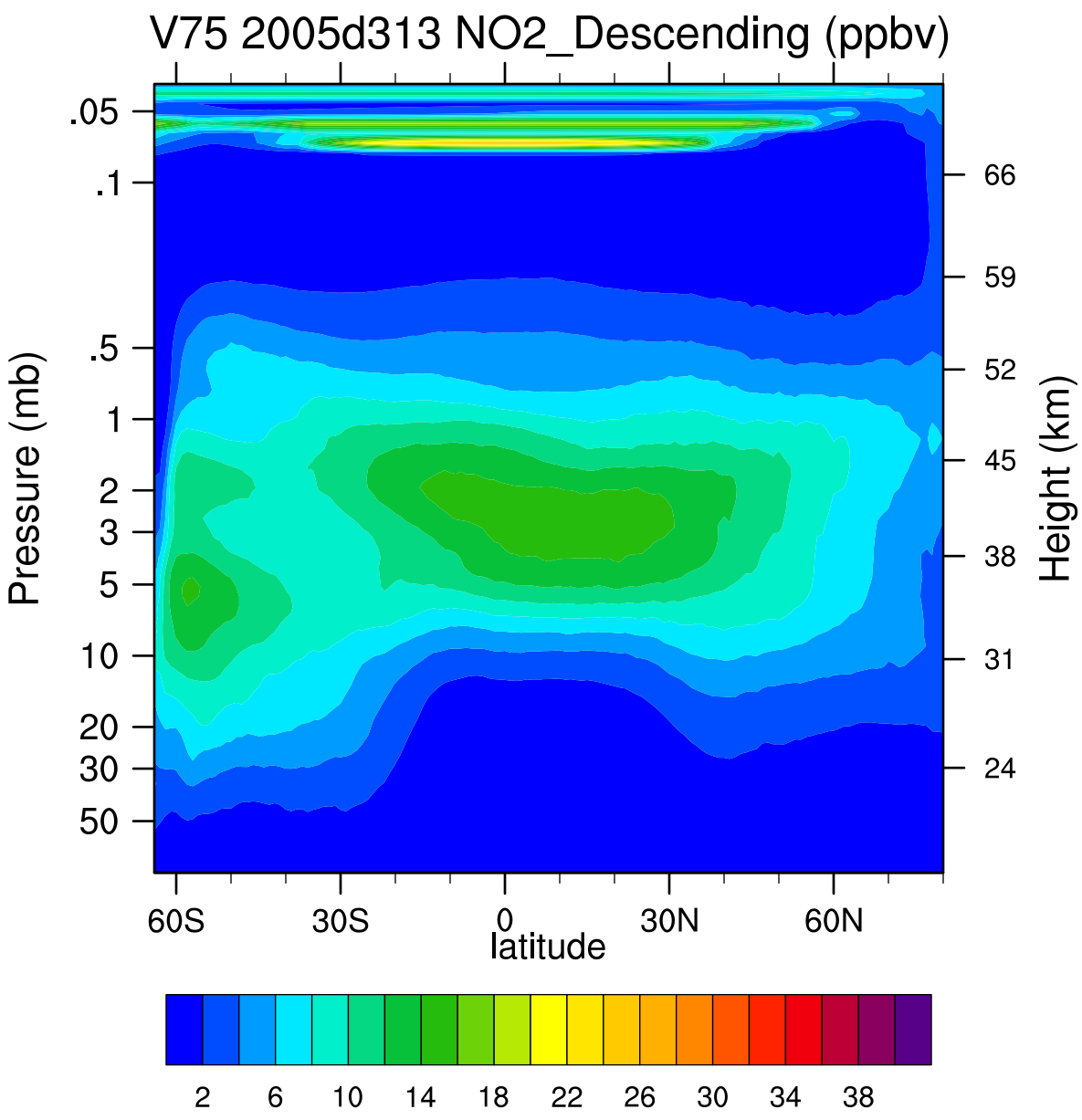
V75 2005d313 NO2_Descending (ppbv)
Pressure (mb)
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.1
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1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
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10
14
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22
26
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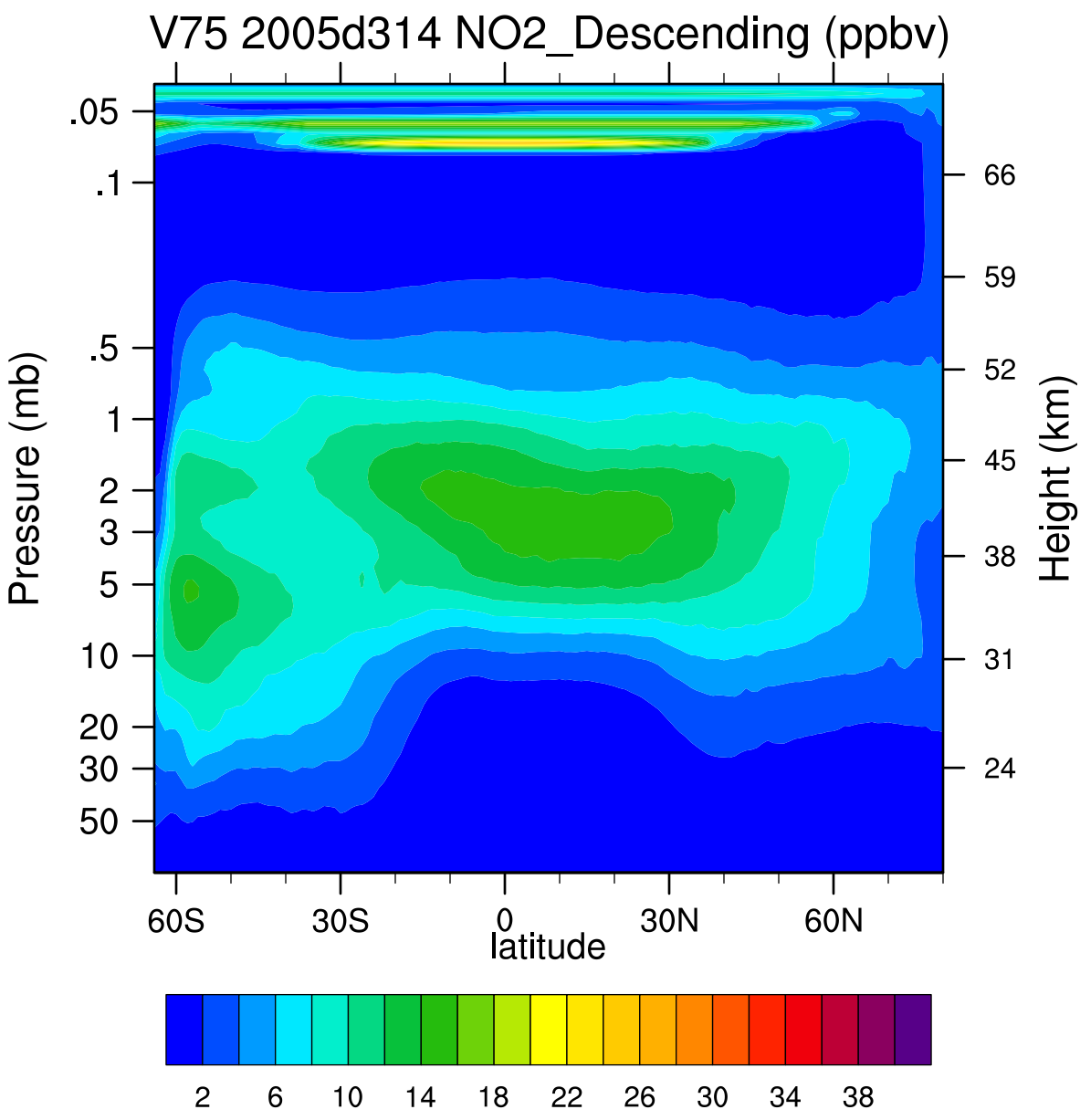
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Pressure (mb)
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5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
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10
14
18
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26
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34
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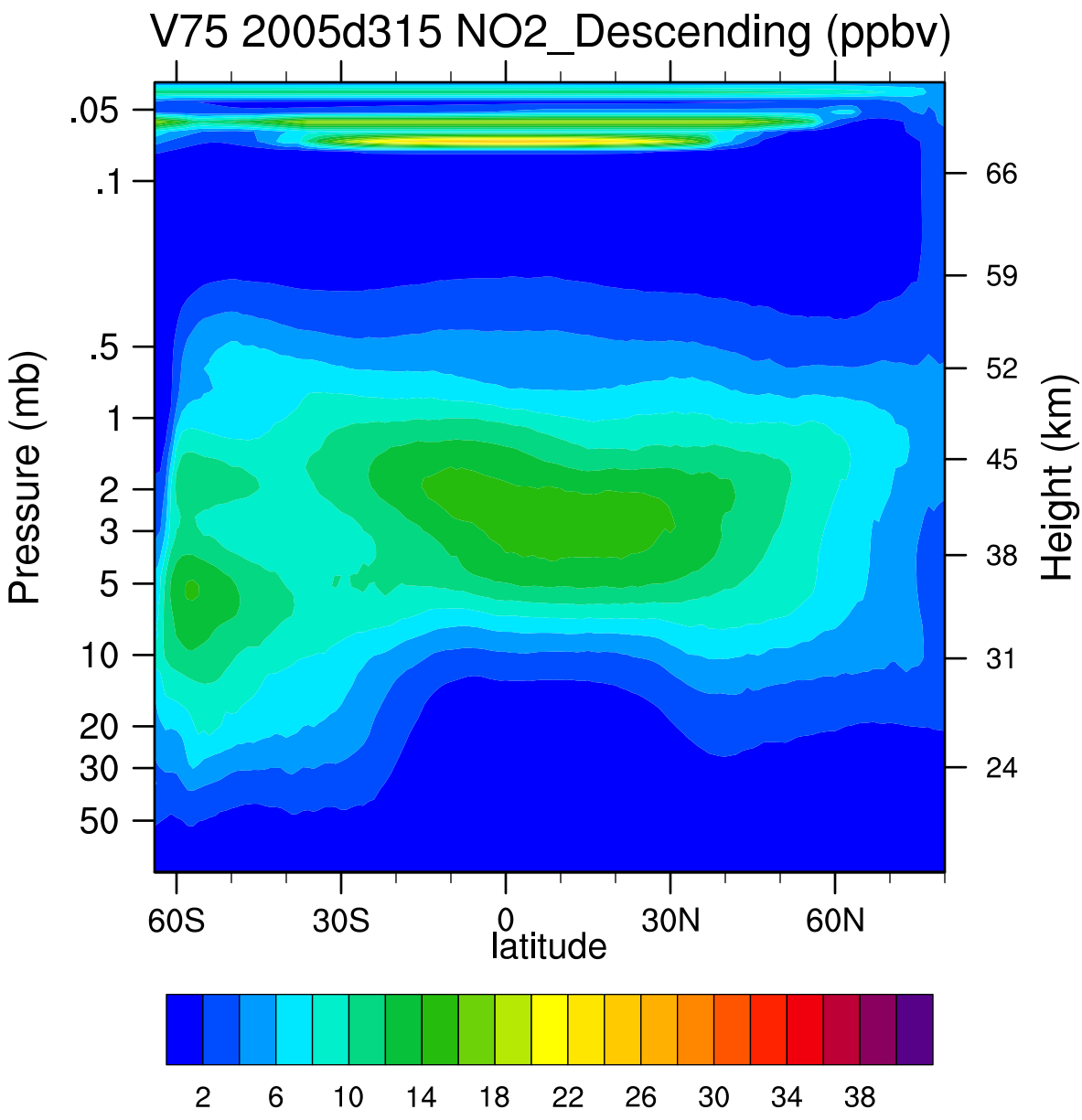
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Pressure (mb)
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5
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50
Height (km)
66
59
52
45
38
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30S
0
30N
60N
latitude
2
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10
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26
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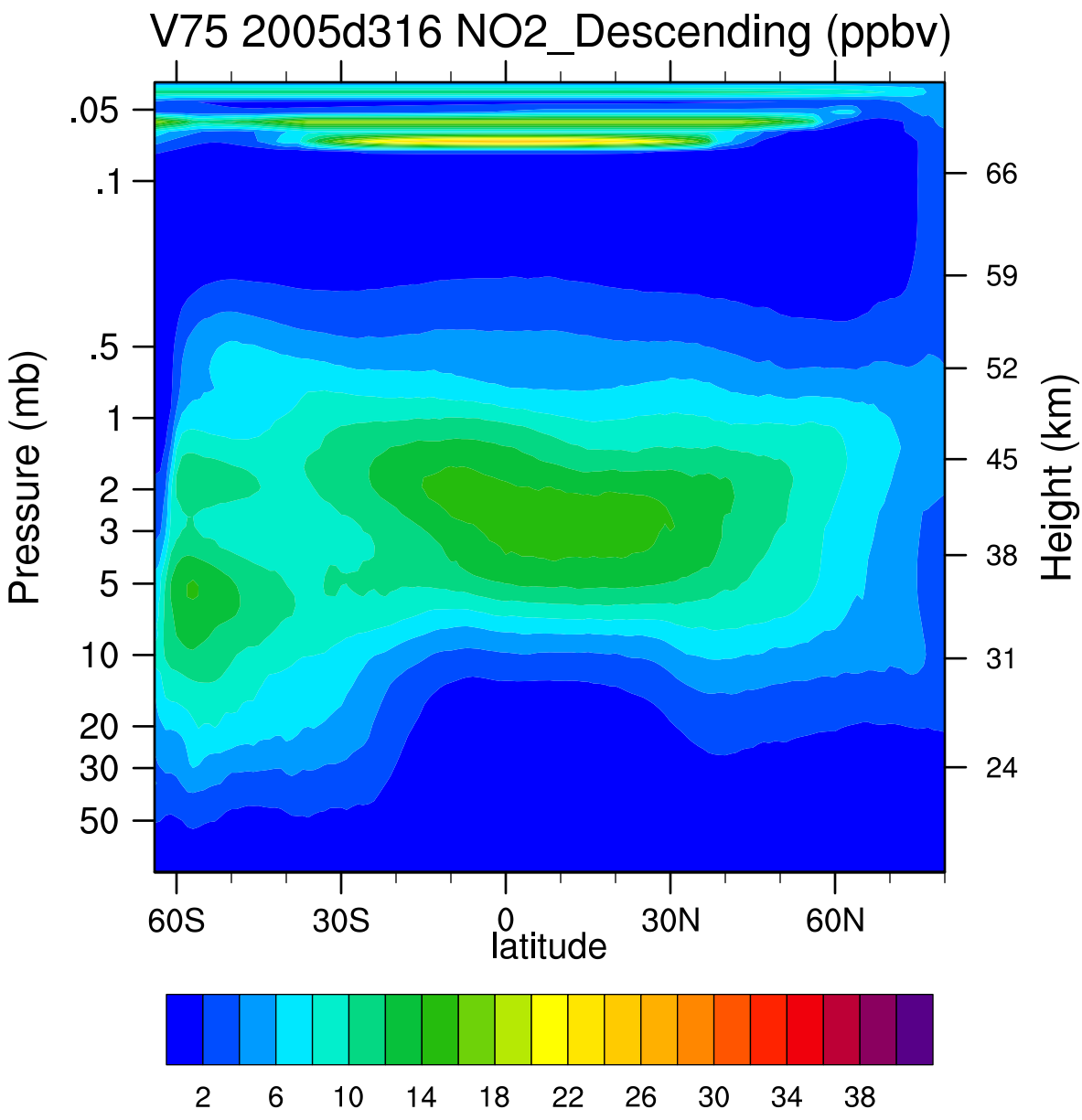
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Pressure (mb)
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Height (km)
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59
52
45
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30S
0
30N
60N
latitude
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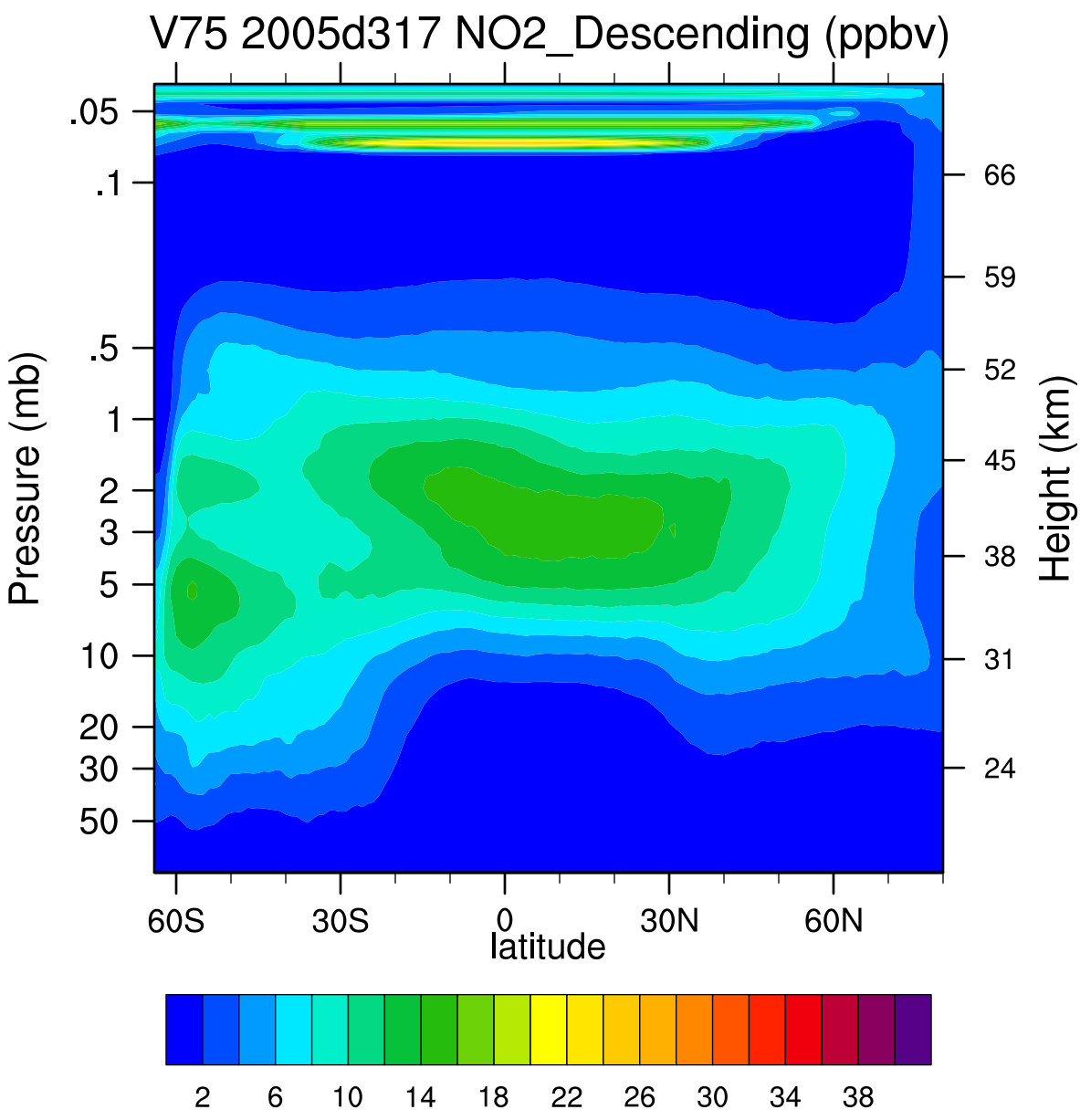
V75 2005d317 NO2_Descending (ppbv)
Pressure (mb)
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5
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30
50
Height (km)
66
59
52
45
38
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30S
0
30N
60N
latitude
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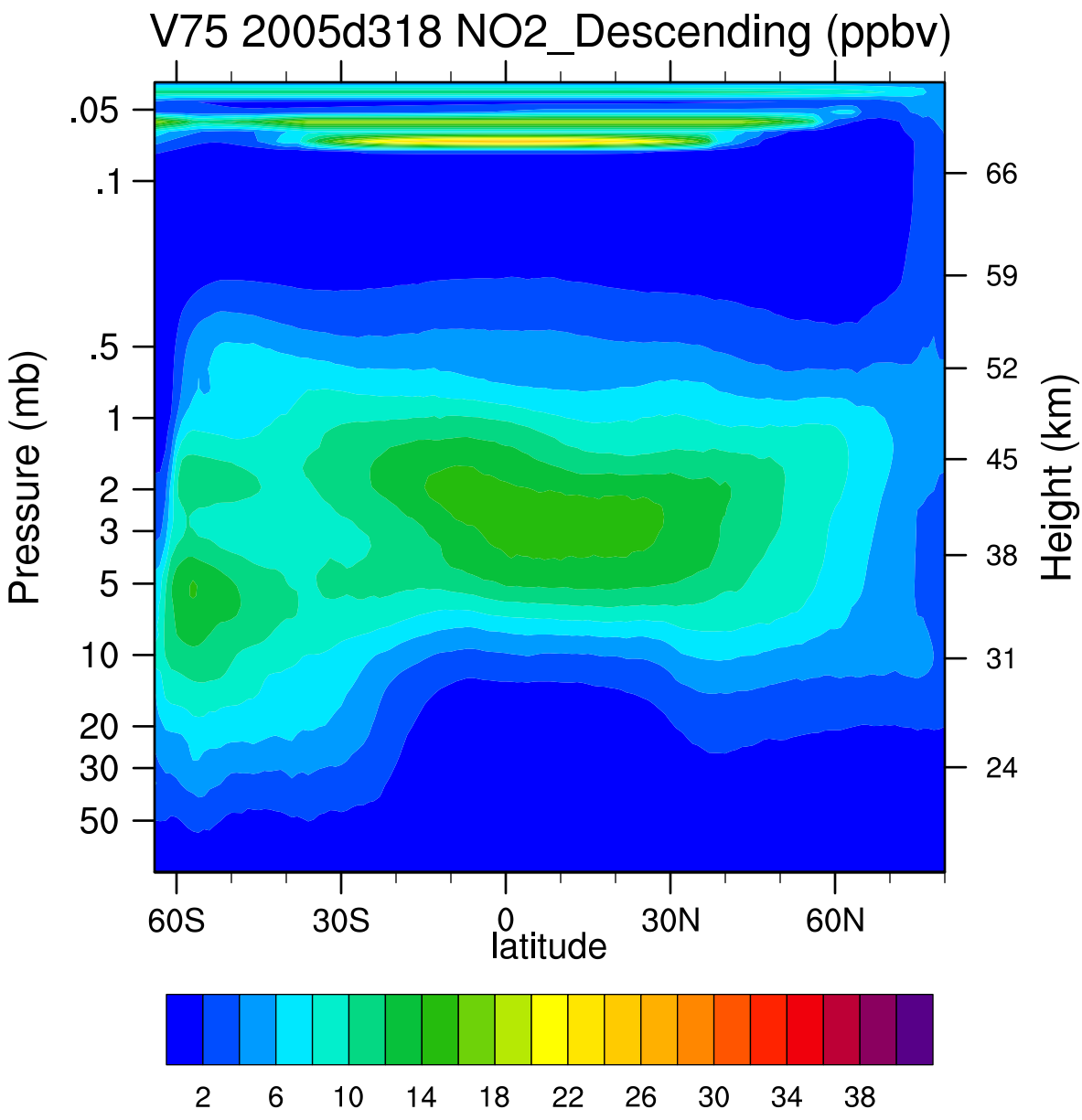
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Pressure (mb)
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5
10
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30
50
Height (km)
66
59
52
45
38
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24
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30S
0
30N
60N
latitude
2
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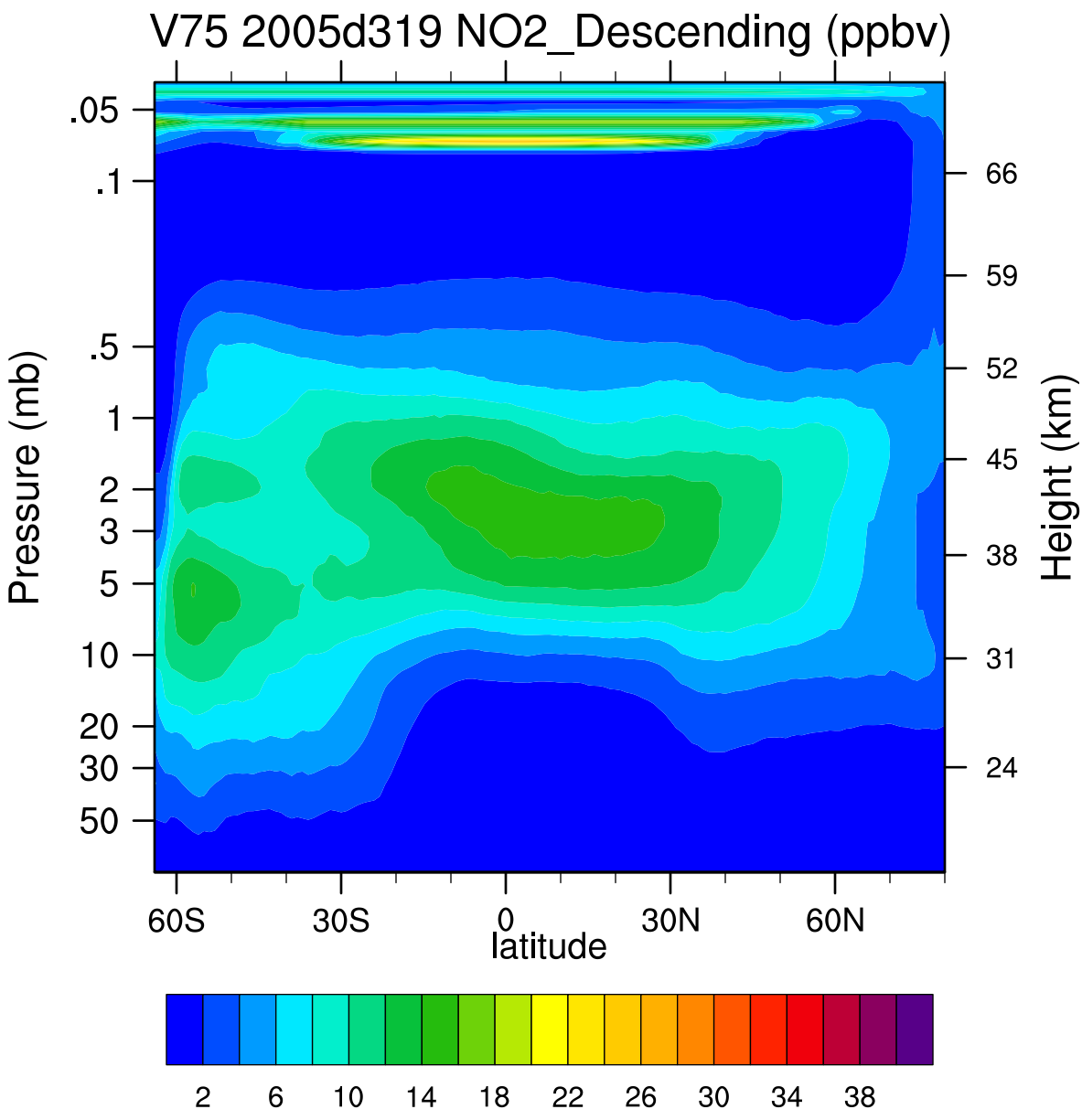
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Pressure (mb)
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30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
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14
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26
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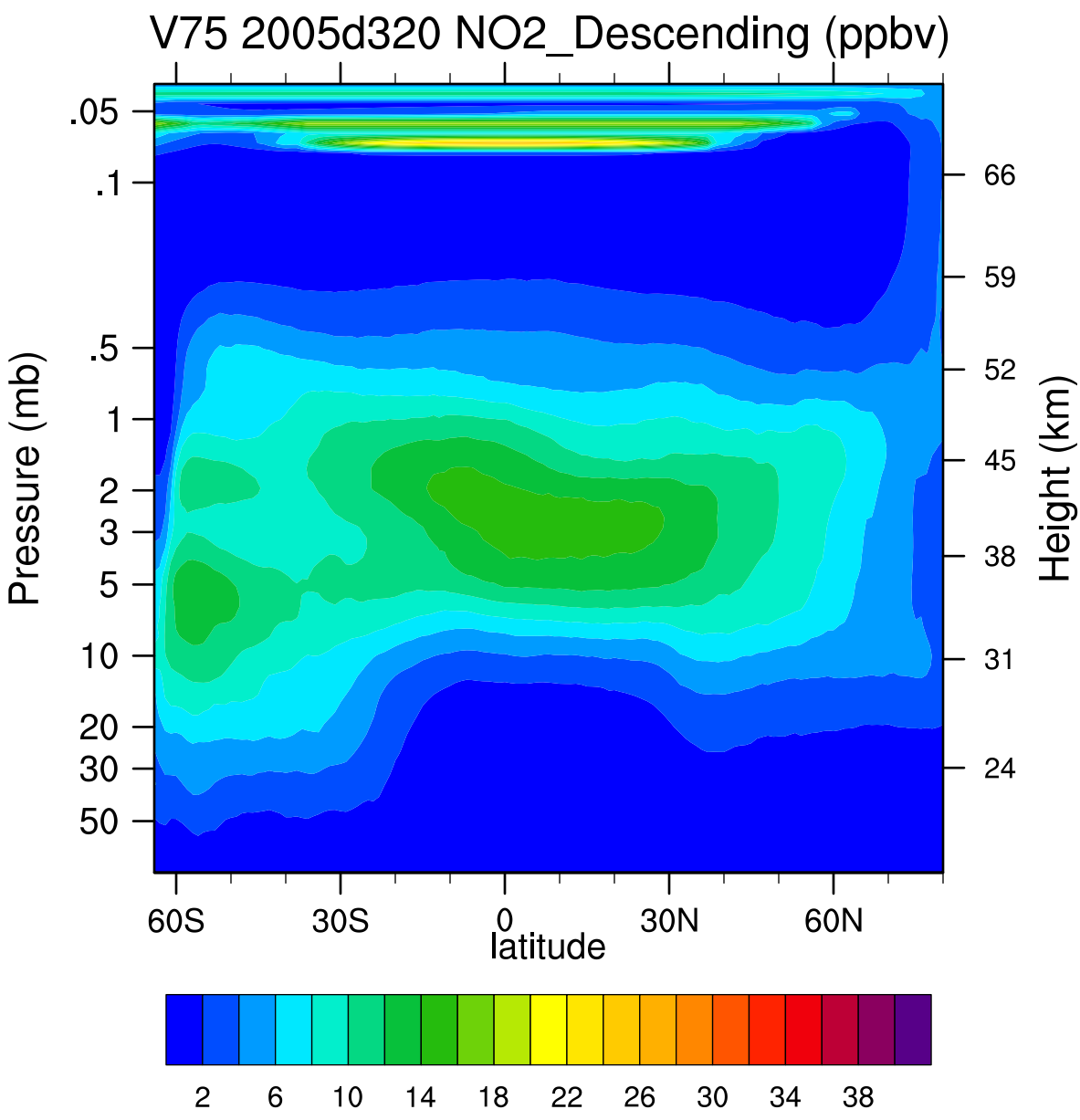
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Pressure (mb)
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.5
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10
20
30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
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10
14
18
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26
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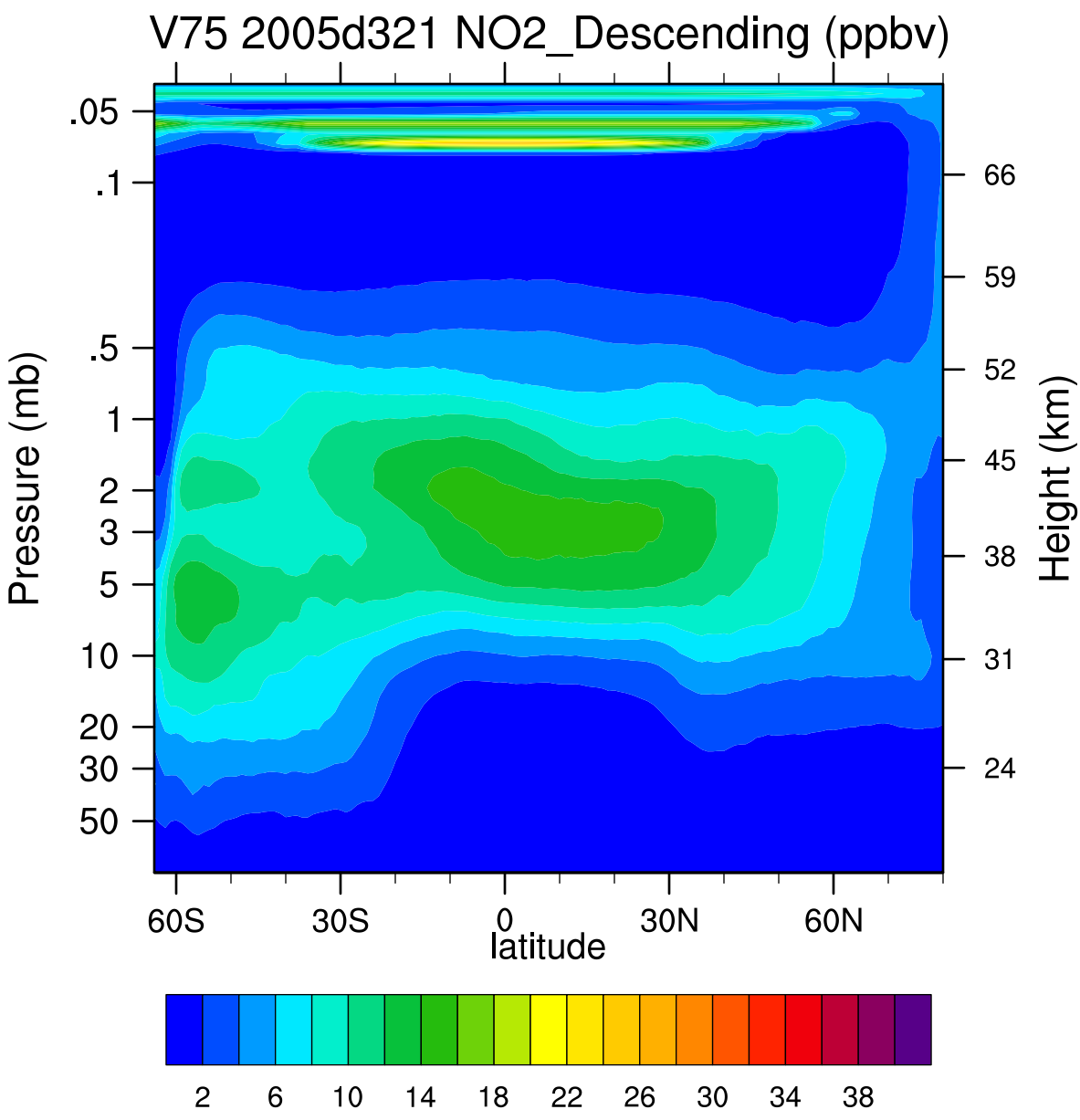
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Pressure (mb)
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30
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Height (km)
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59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
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14
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26
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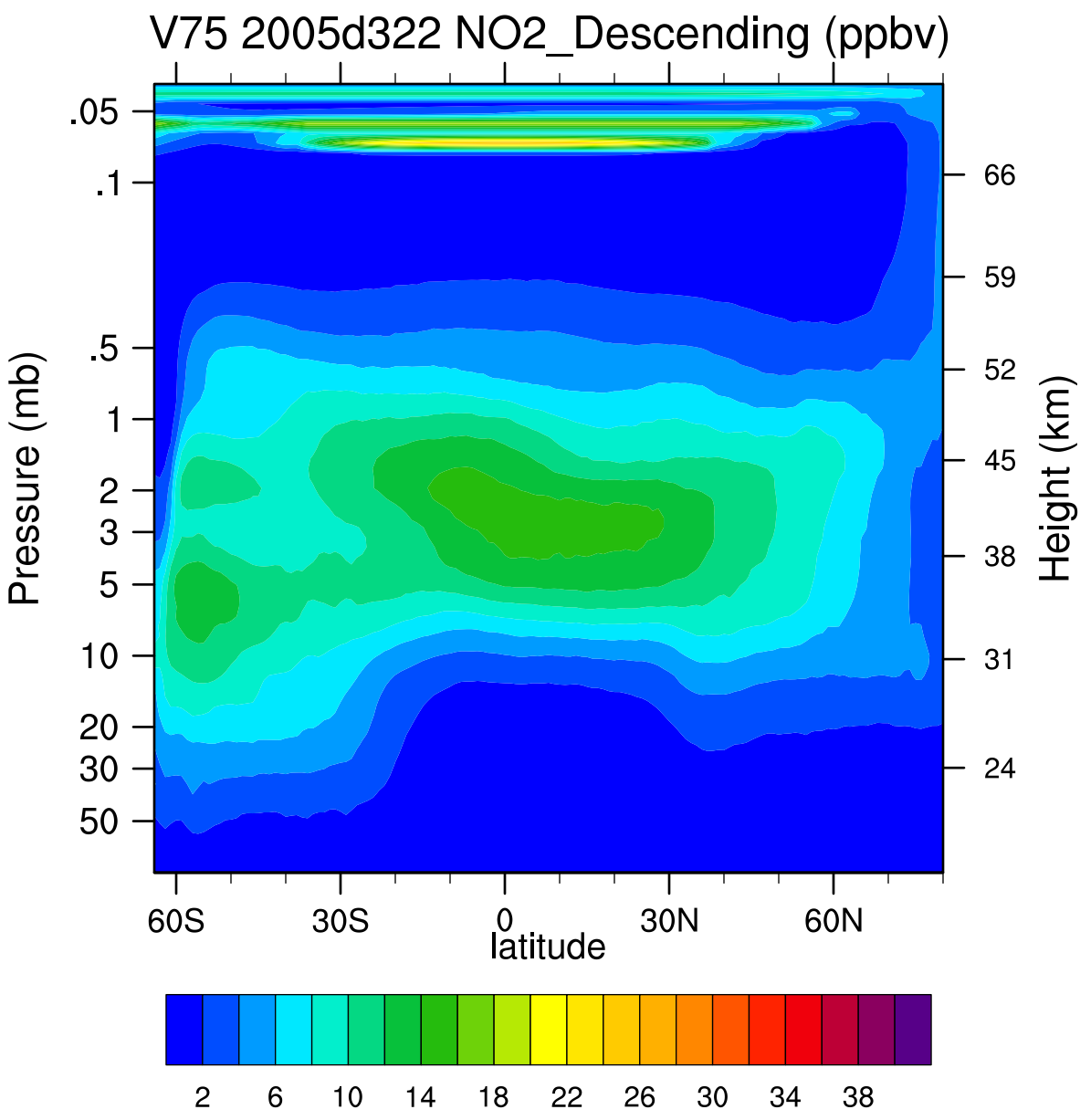
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Height (km)
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59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
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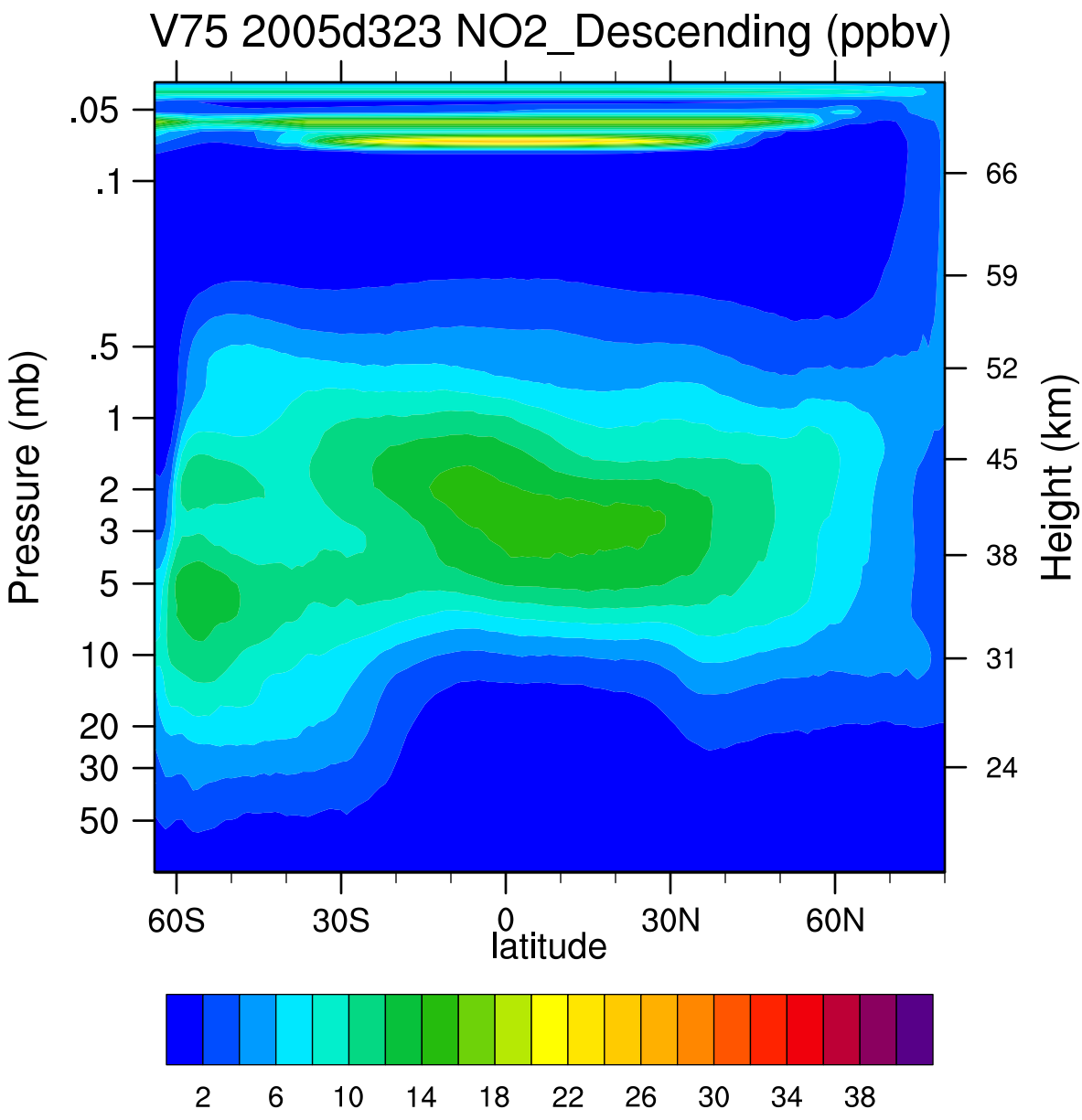
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30
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Height (km)
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59
52
45
38
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24
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30S
0
30N
60N
latitude
2
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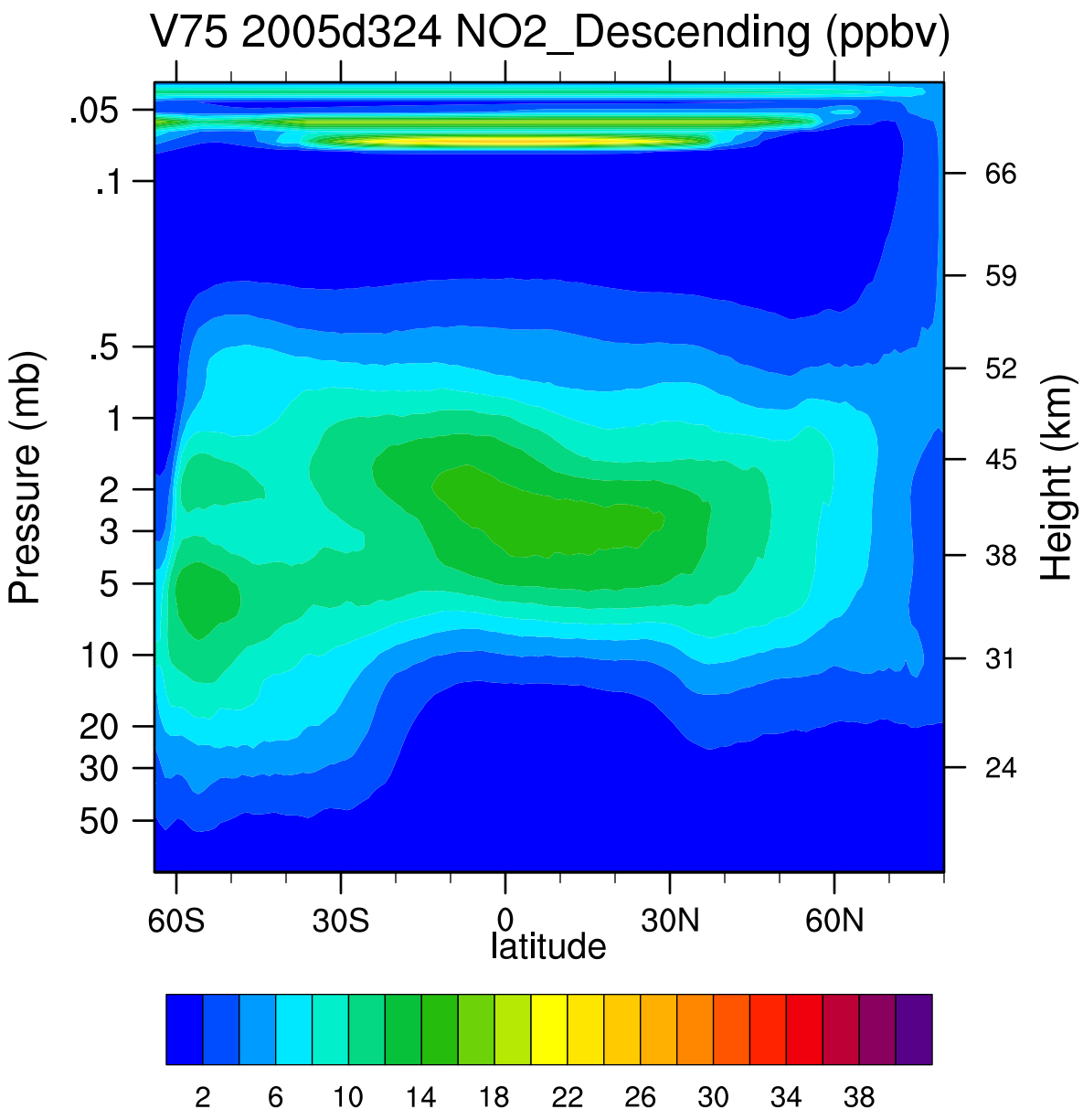
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Height (km)
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52
45
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60N
latitude
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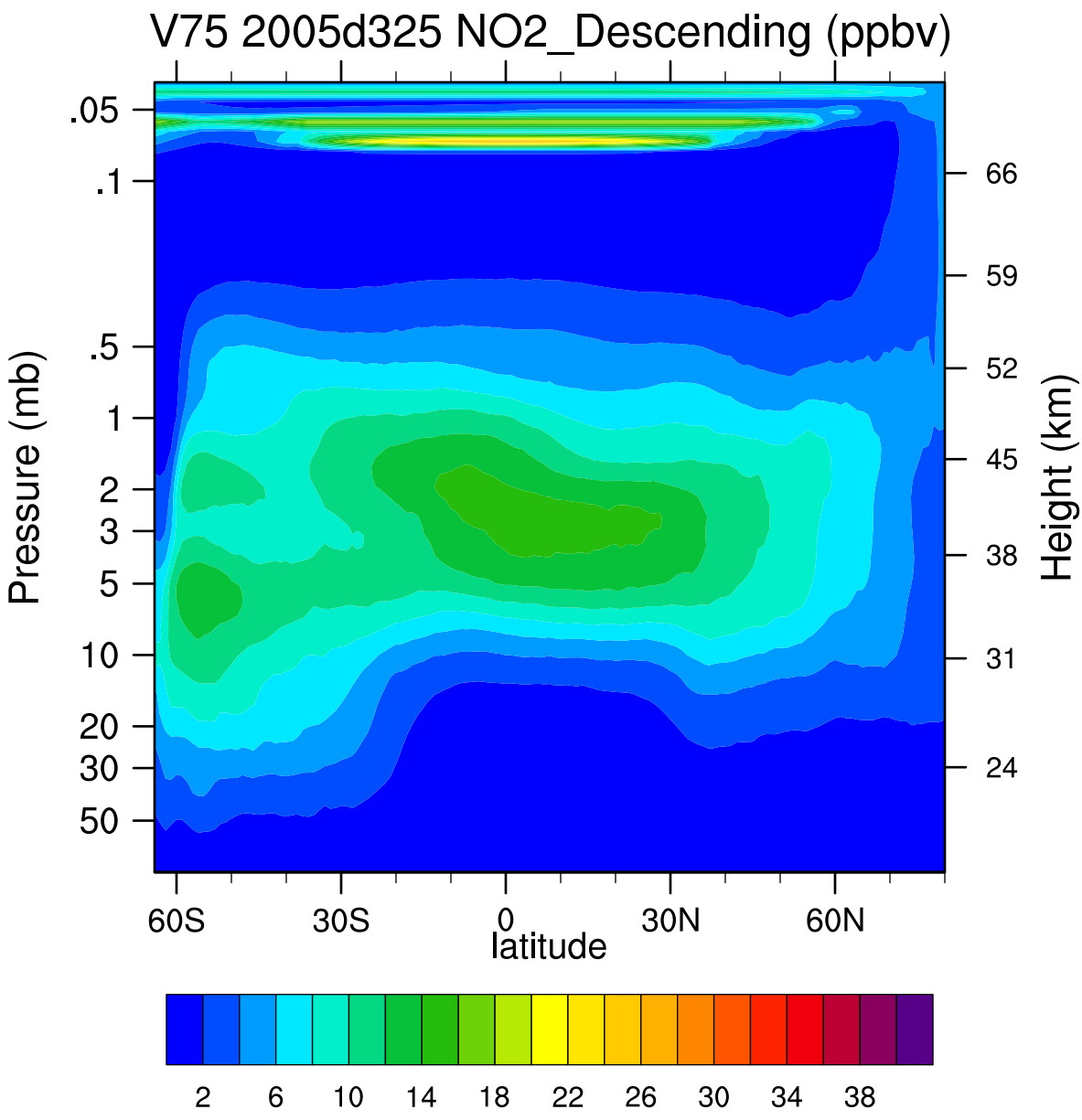
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Height (km)
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52
45
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24
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30N
60N
latitude
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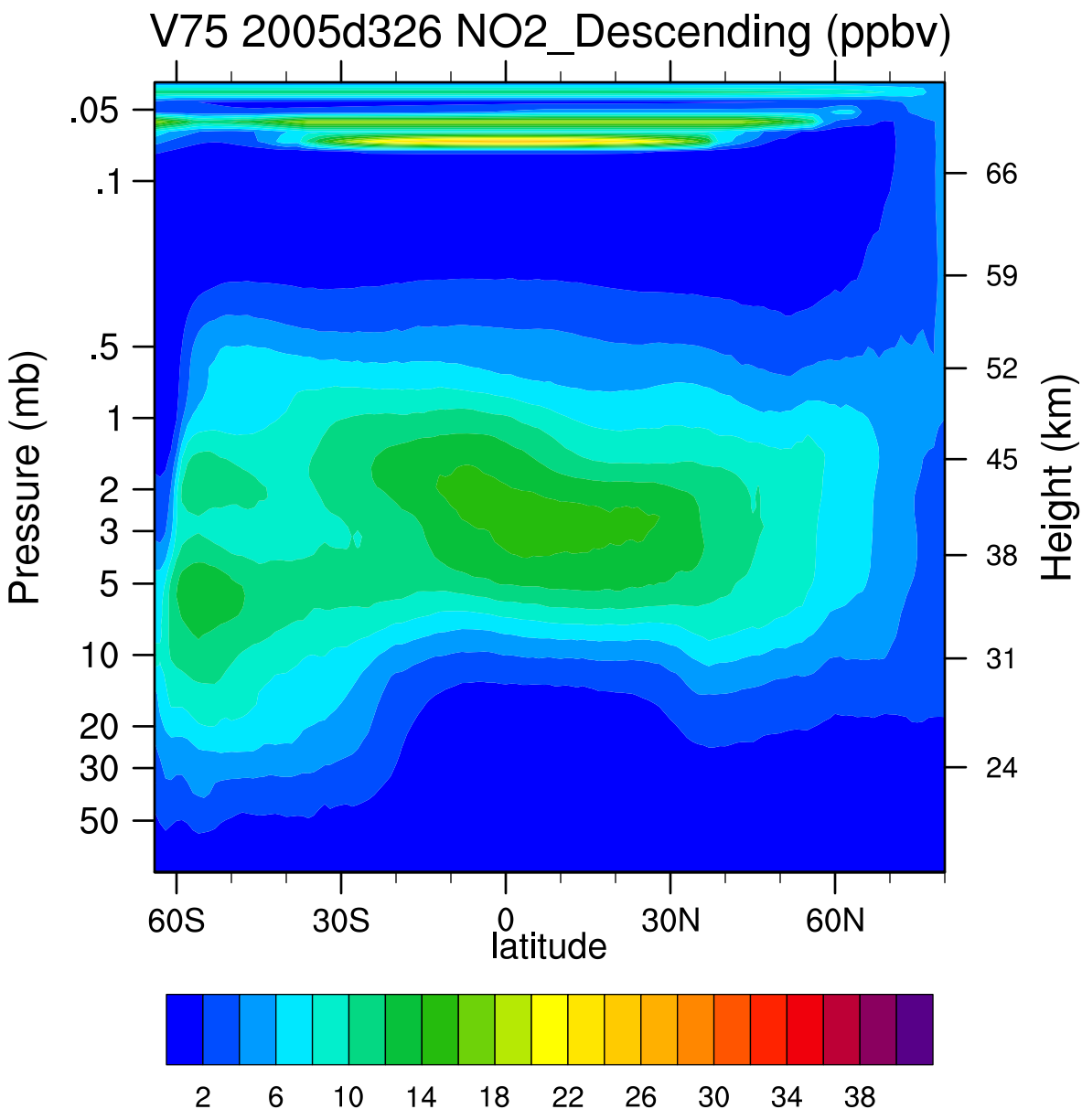
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Height (km)
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52
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60N
latitude
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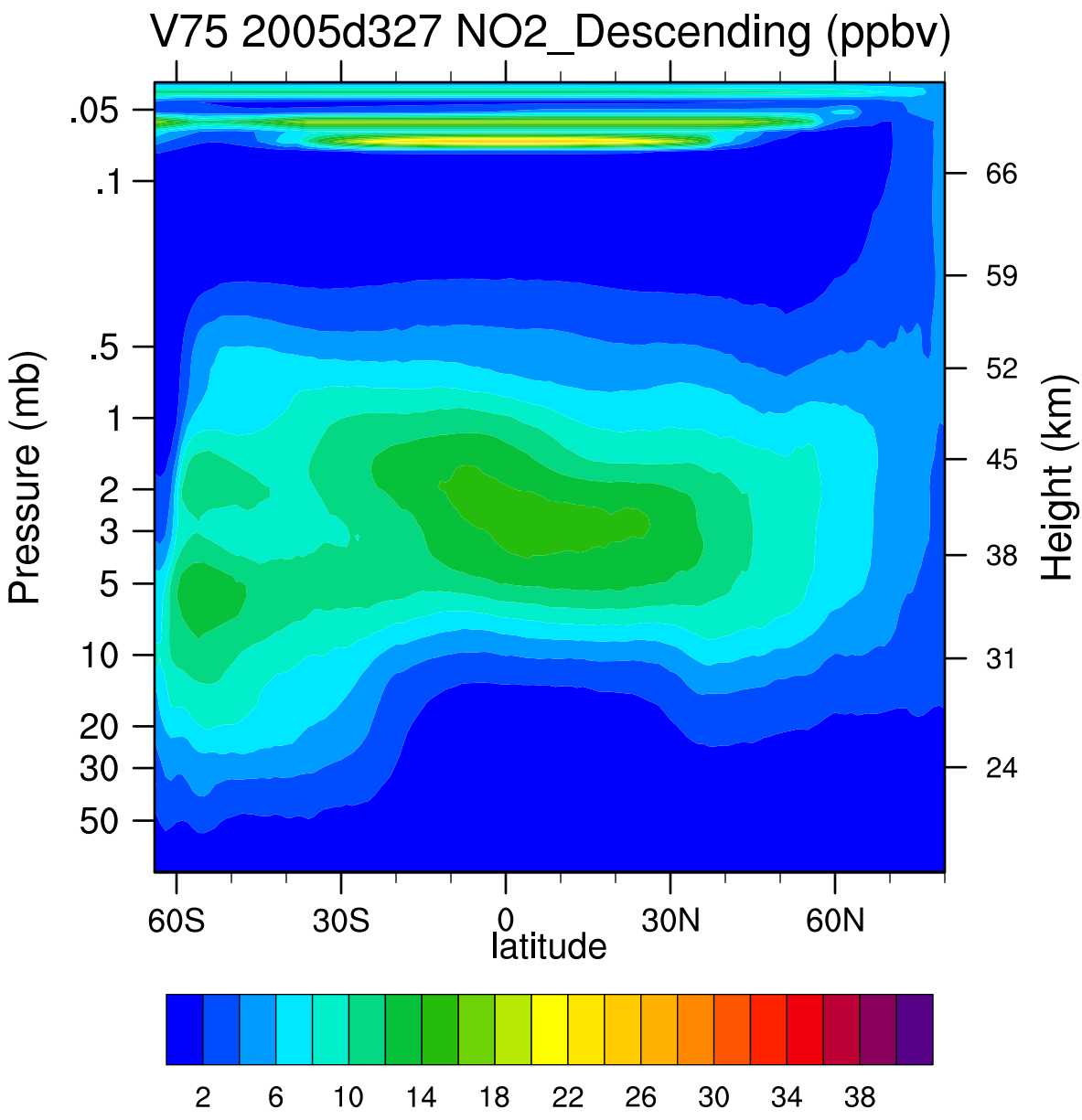
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Height (km)
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52
45
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30S
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30N
60N
latitude
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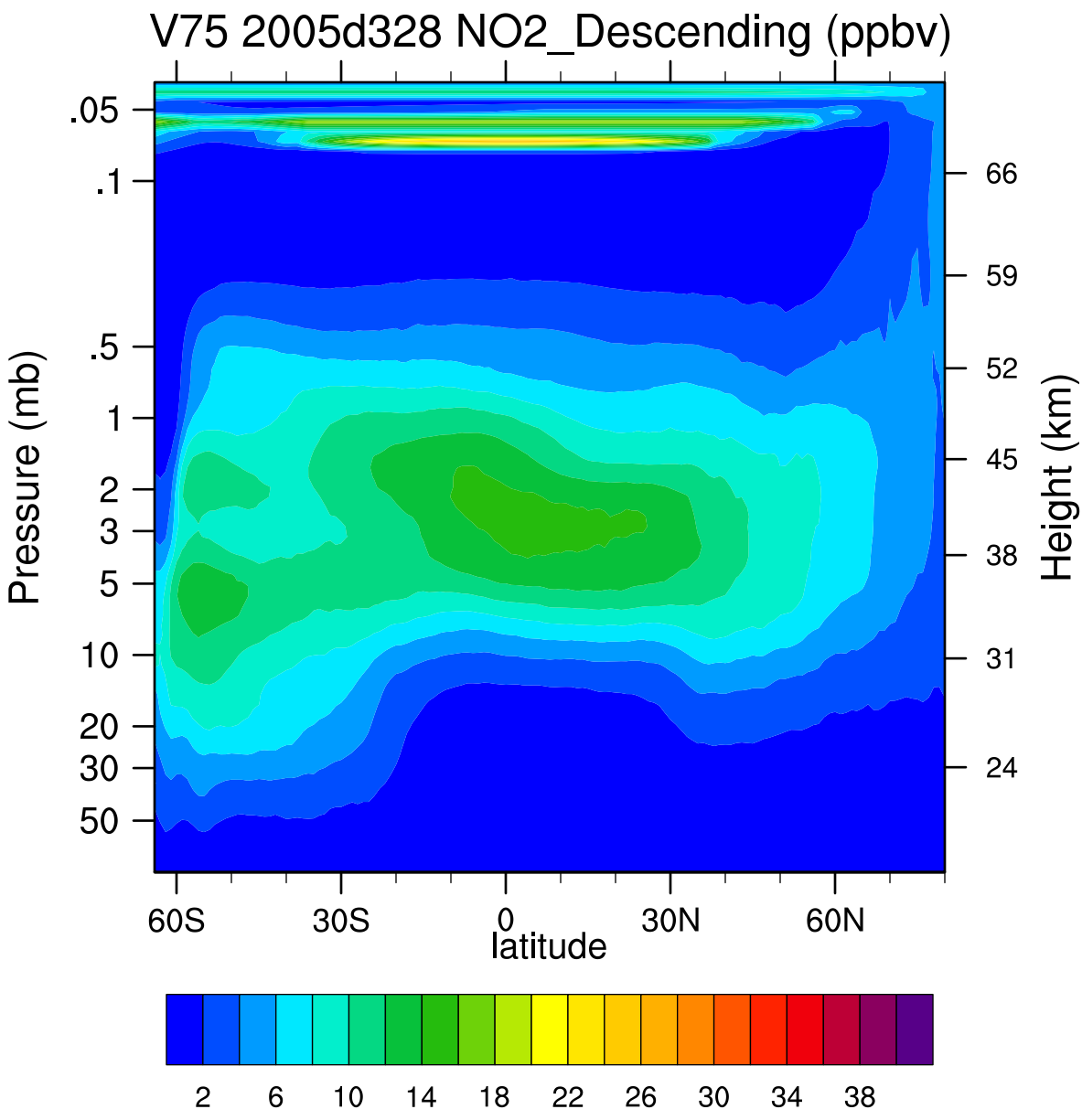
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Height (km)
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60N
latitude
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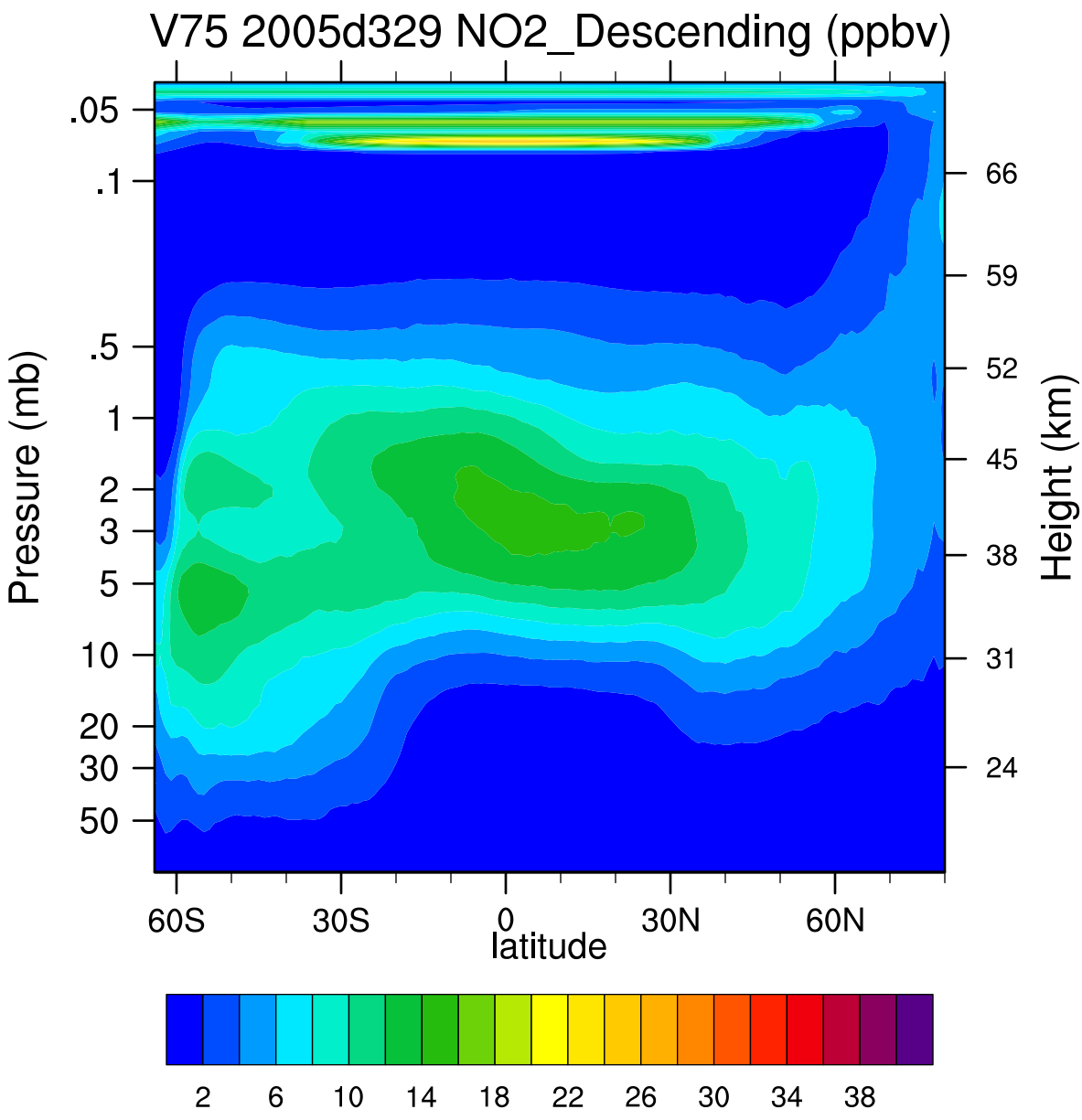
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Height (km)
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52
45
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30S
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60N
latitude
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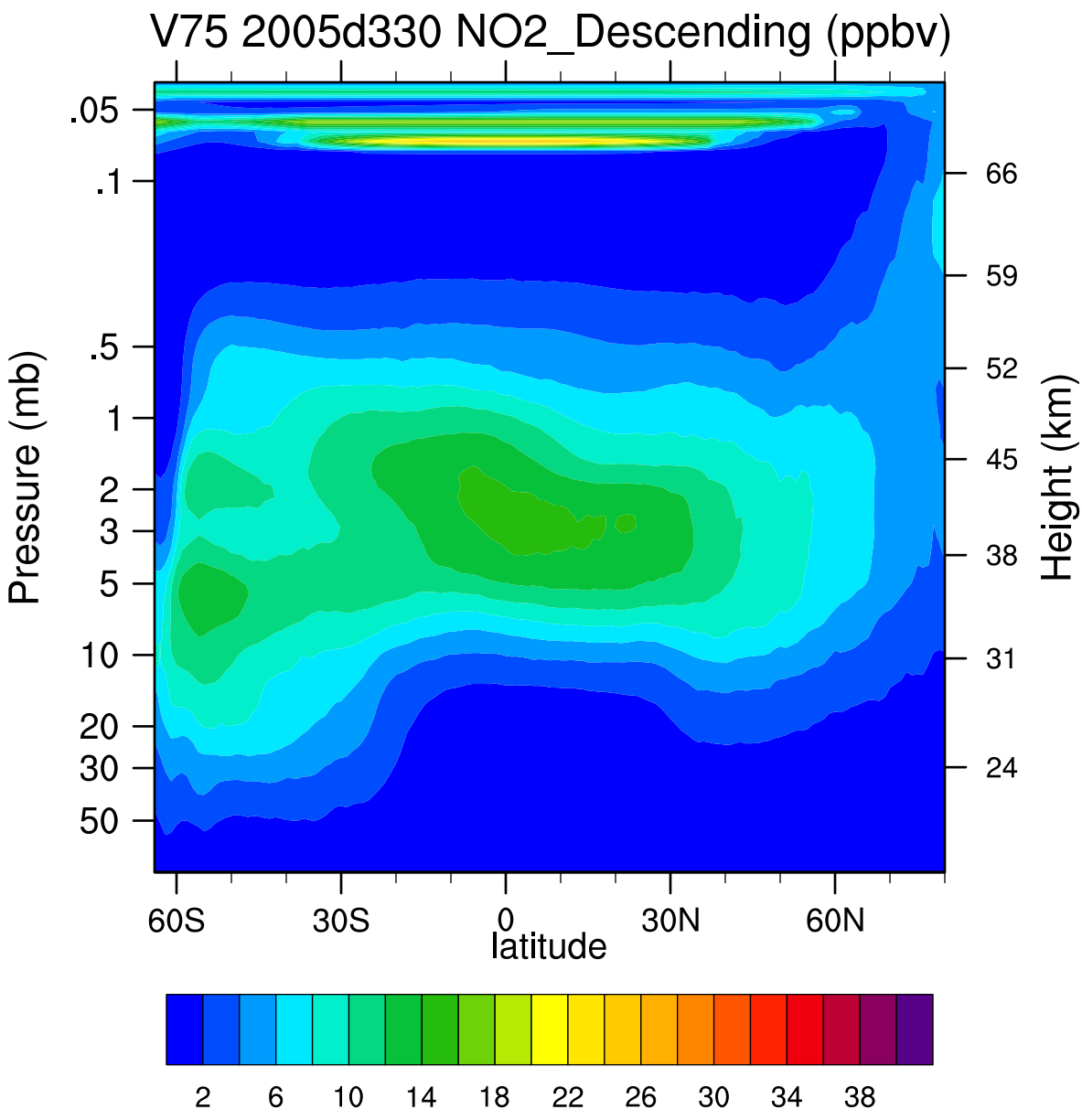
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Height (km)
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52
45
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60N
latitude
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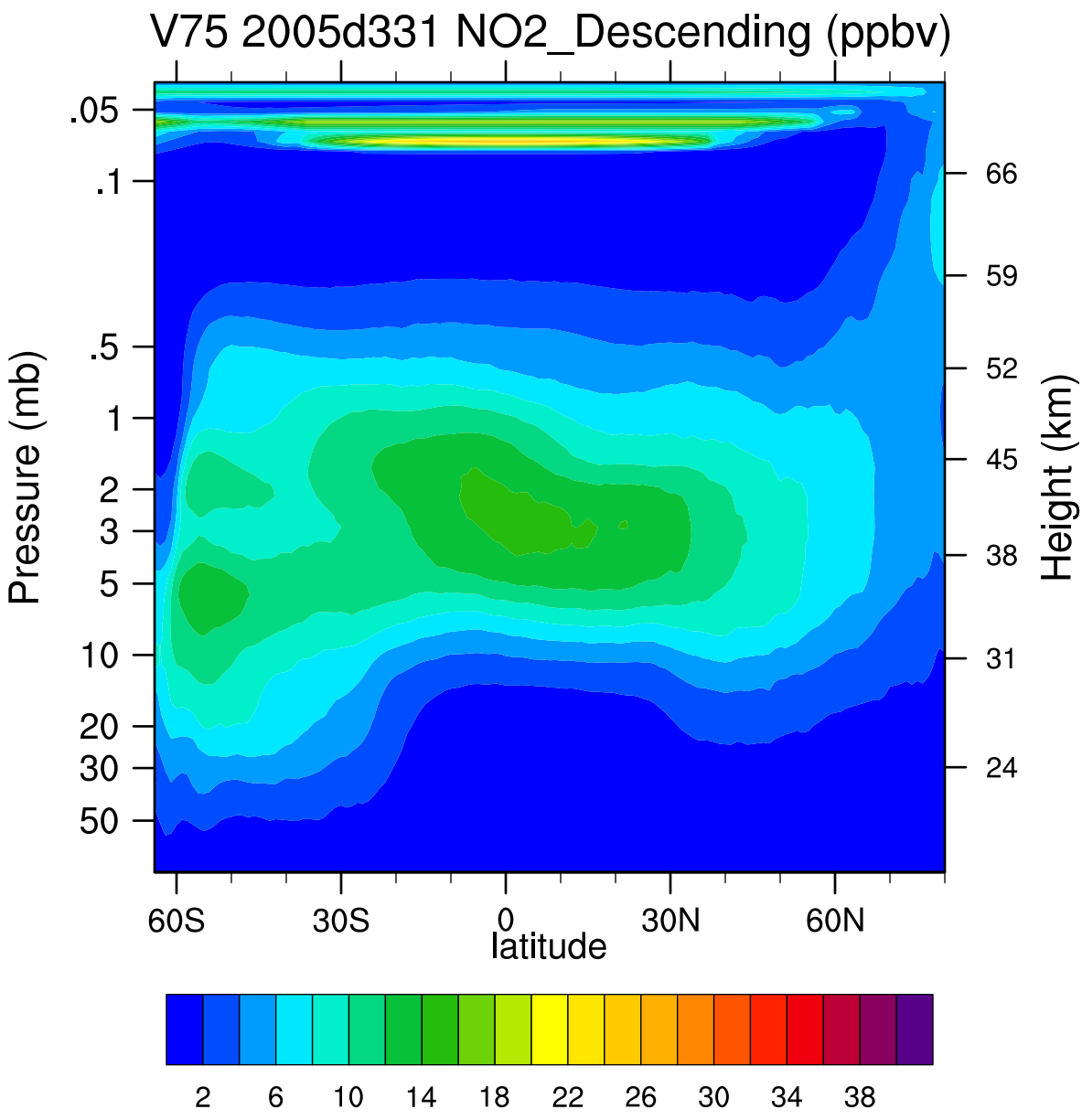
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Height (km)
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52
45
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30S
0
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60N
latitude
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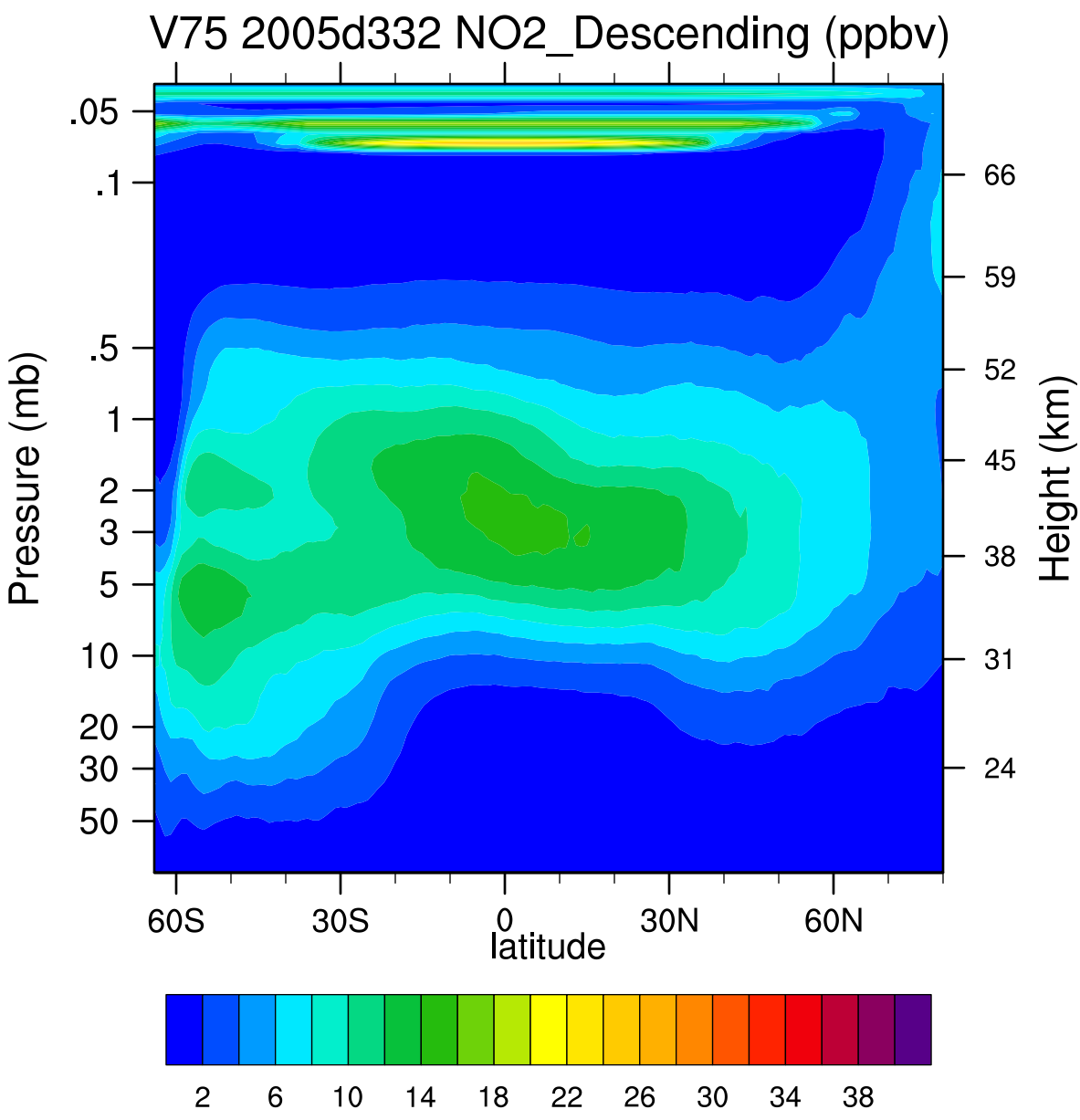
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52
45
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60N
latitude
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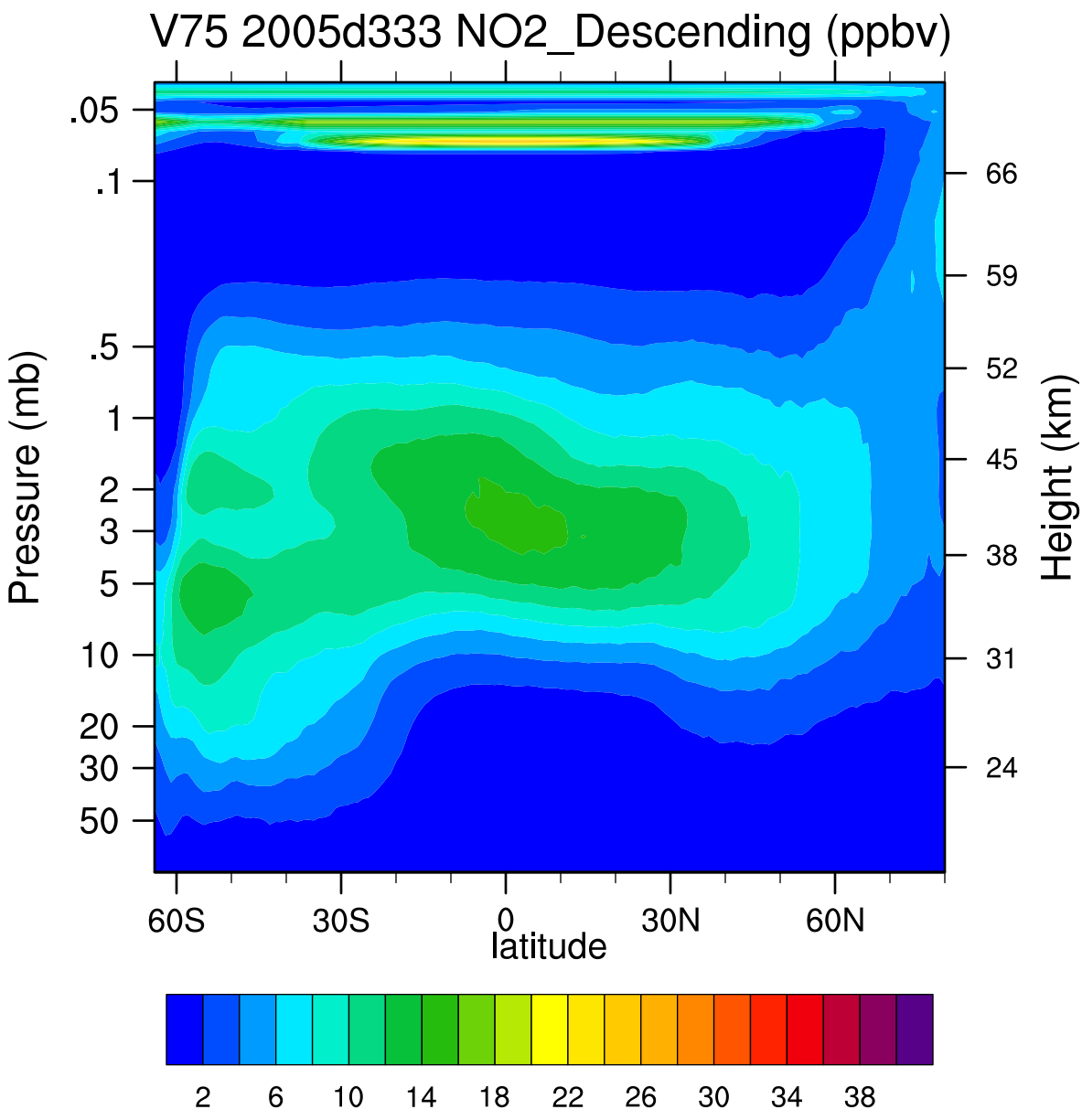
V75 2005d333 NO2_Descending (ppbv)
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Height (km)
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59
52
45
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30S
0
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60N
latitude
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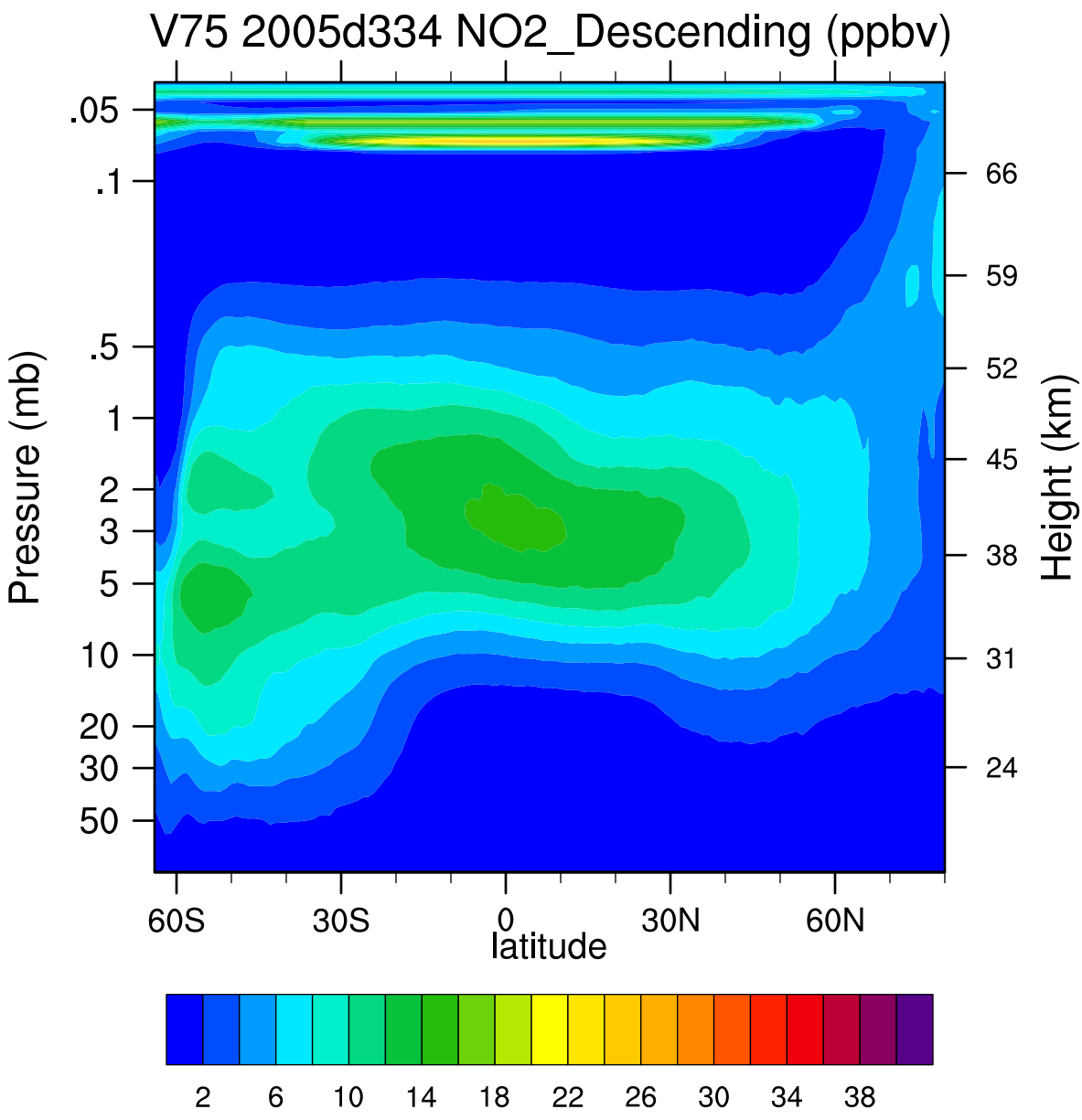
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Height (km)
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52
45
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30S
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60N
latitude
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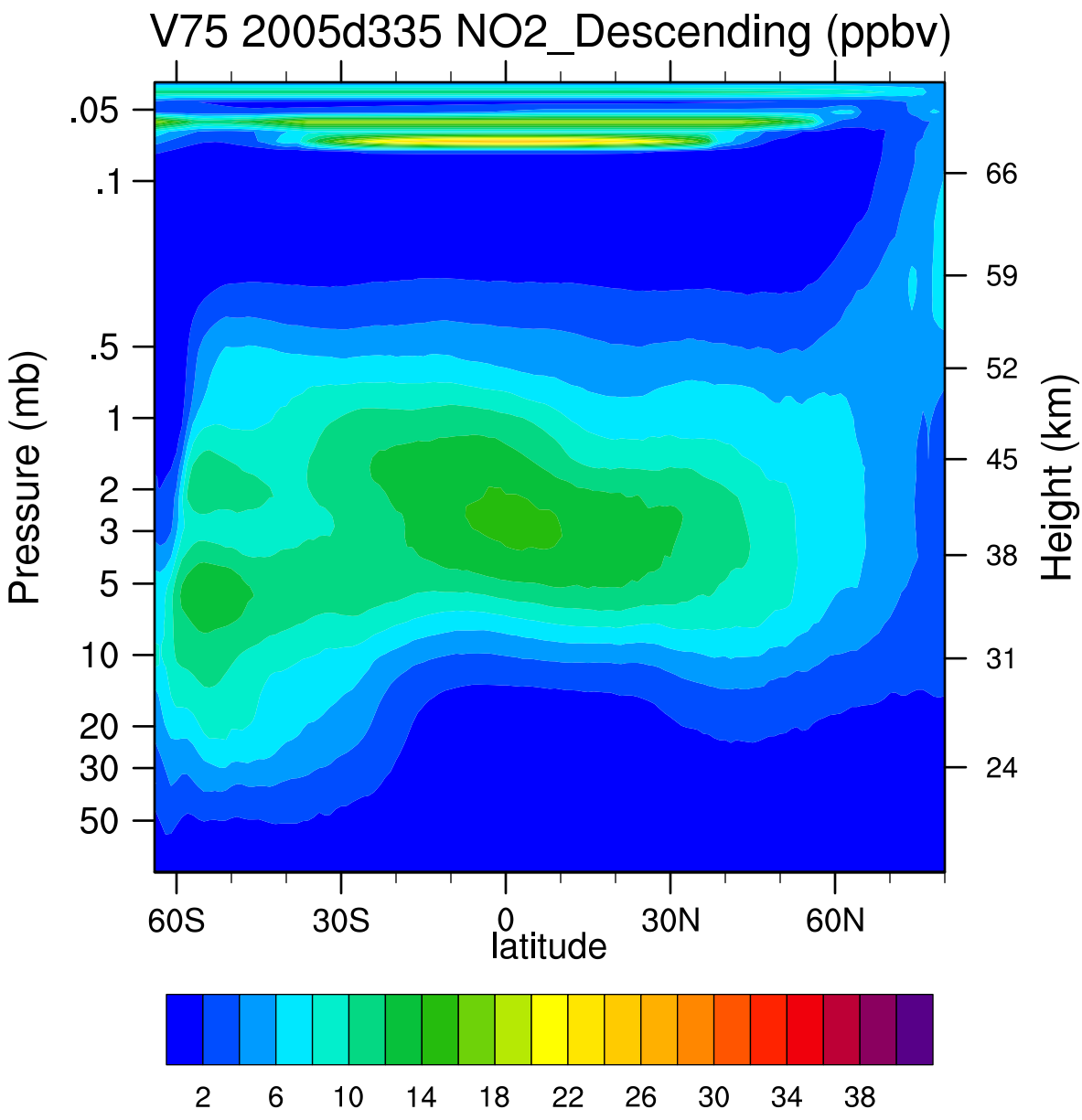
V75 2005d335 NO2_Descending (ppbv)
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Height (km)
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52
45
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30S
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60N
latitude
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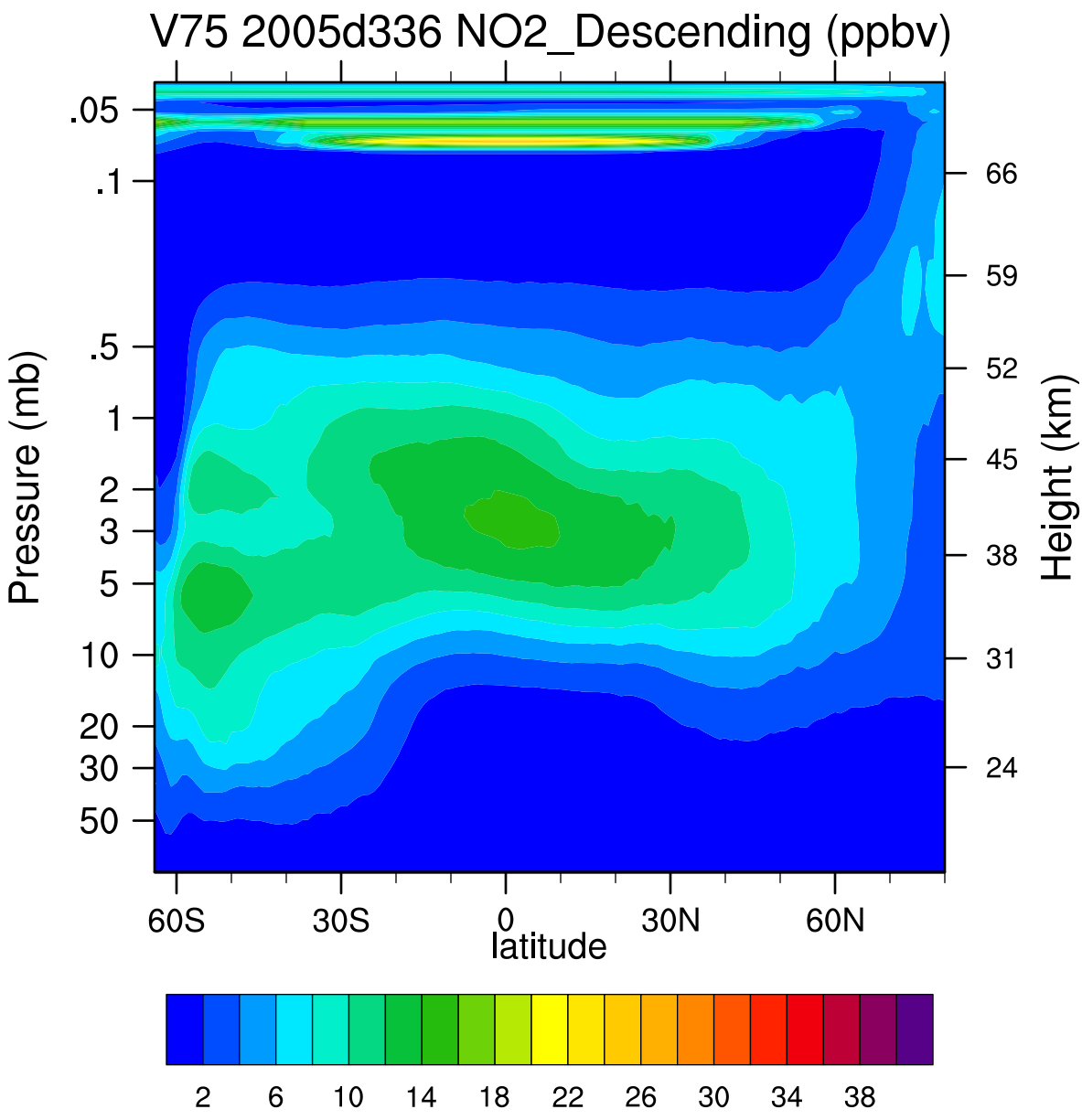
V75 2005d336 NO2_Descending (ppbv)
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Height (km)
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52
45
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60N
latitude
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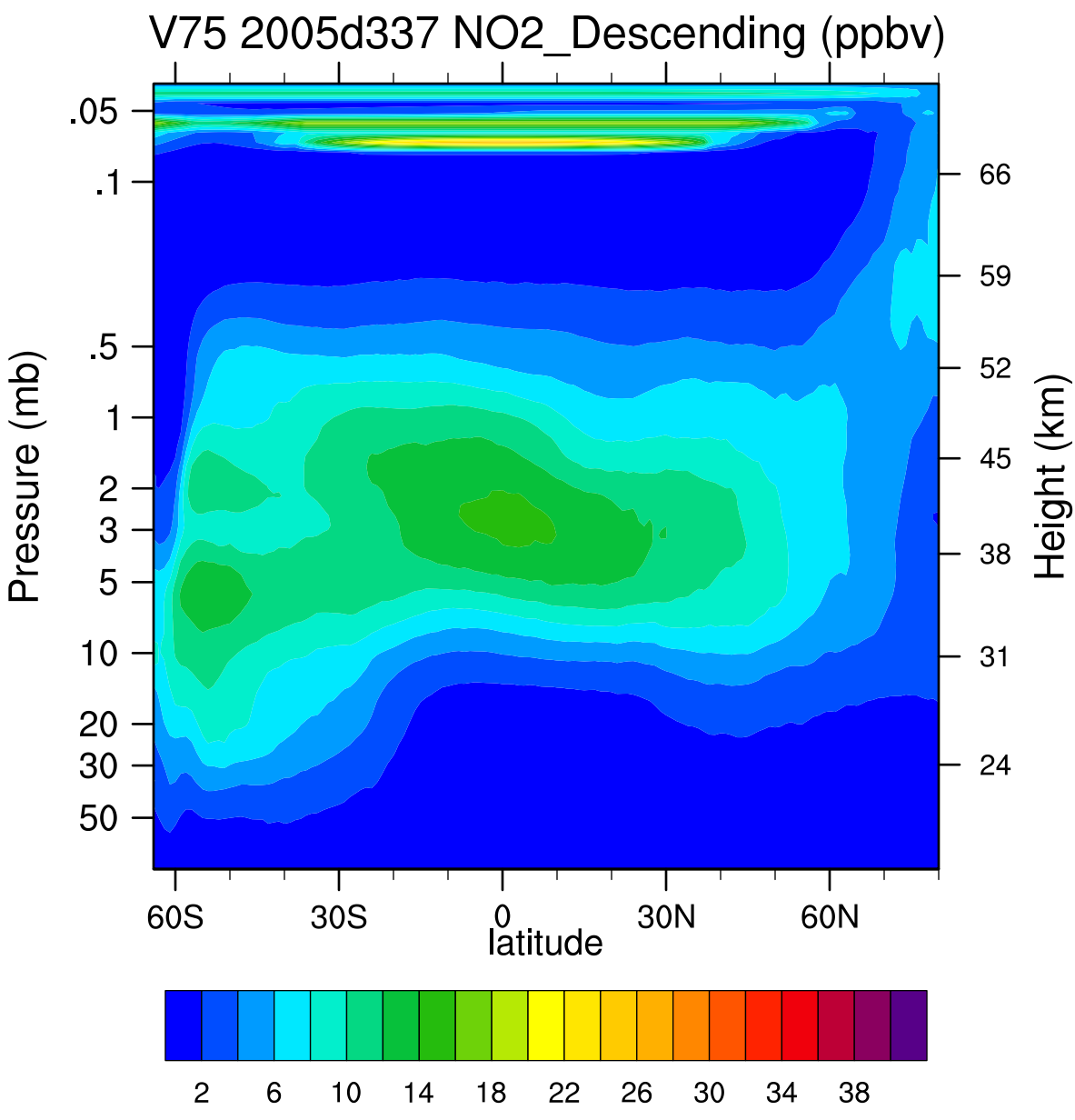
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30
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Pressure (mb)
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59
52
45
38
31
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Height (km)
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30S
0
30N
60N
latitude
2
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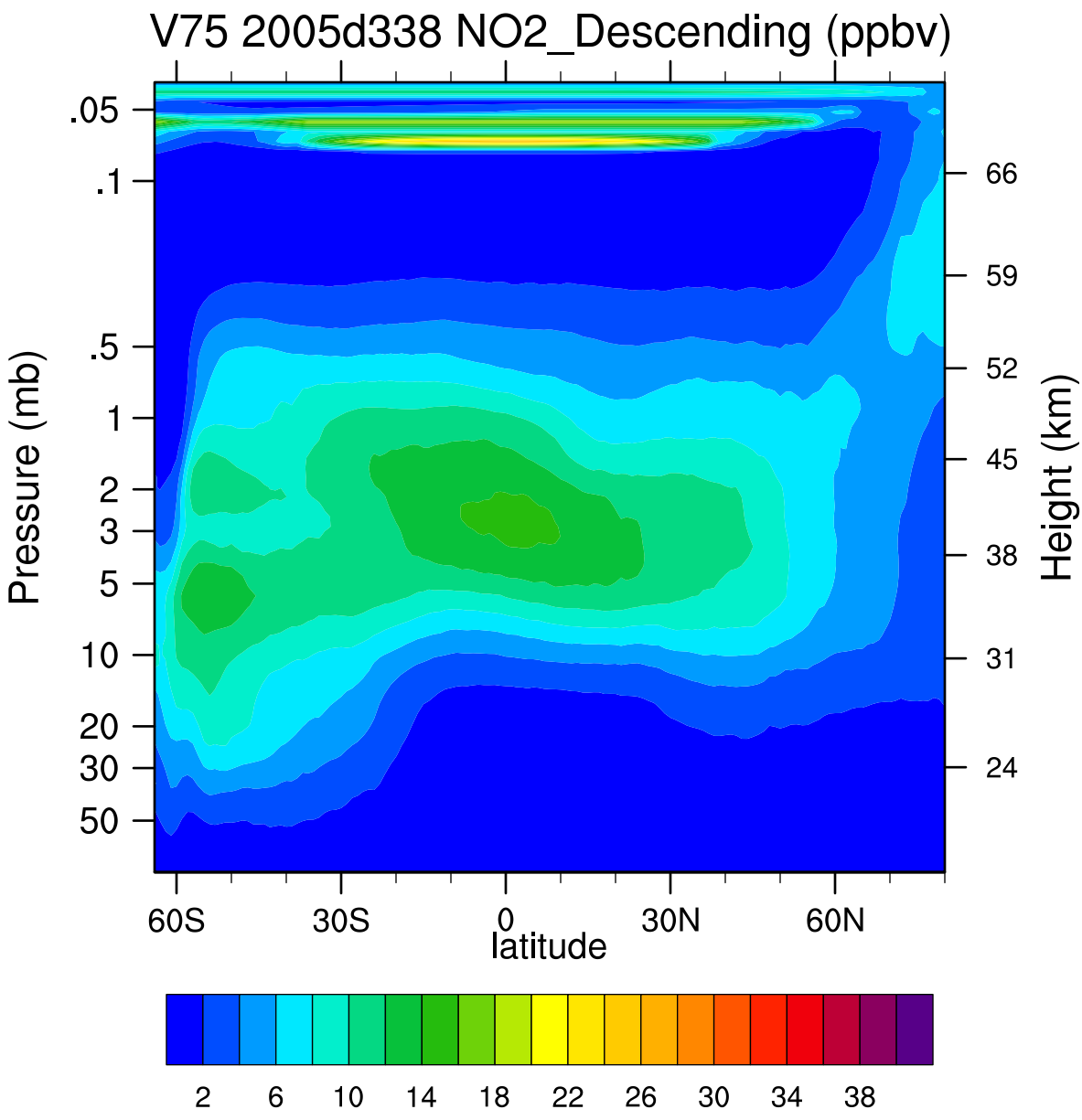
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Height (km)
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52
45
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24
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30S
0
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60N
latitude
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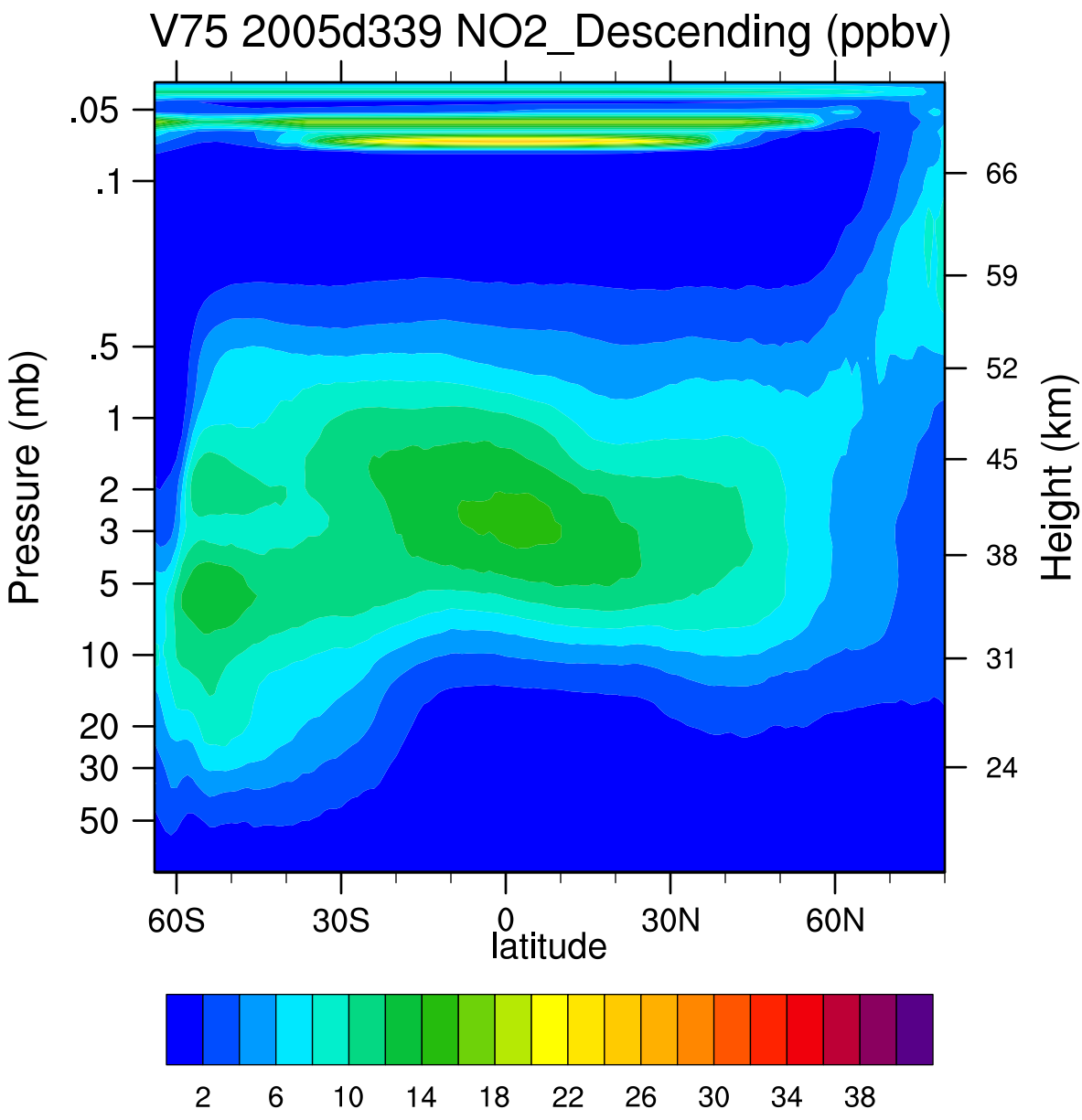
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Pressure (mb)
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Height (km)
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52
45
38
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24
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30S
0
30N
60N
latitude
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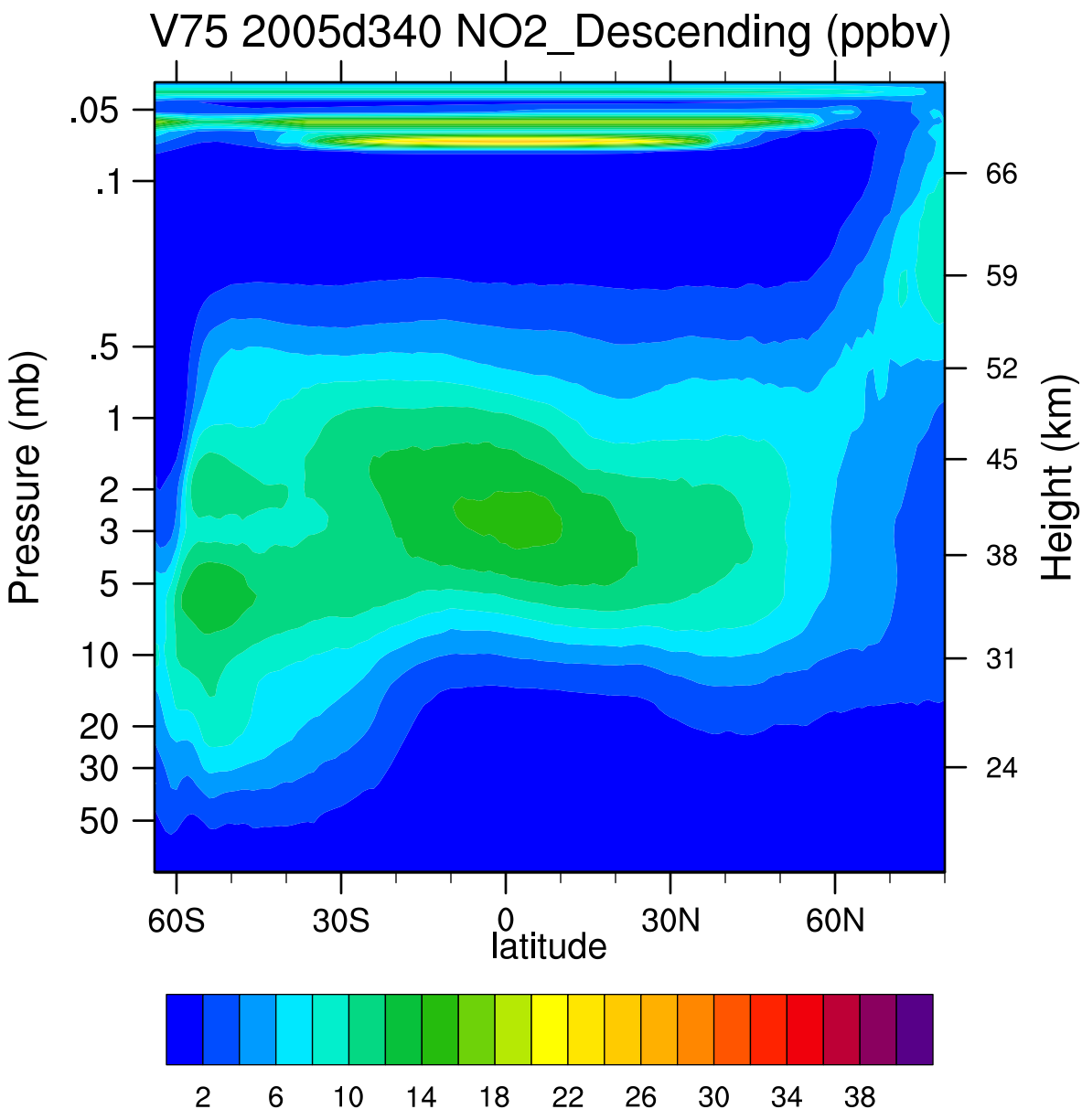
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30
50
Pressure (mb)
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59
52
45
38
31
24
Height (km)
60S
30S
0
30N
60N
latitude
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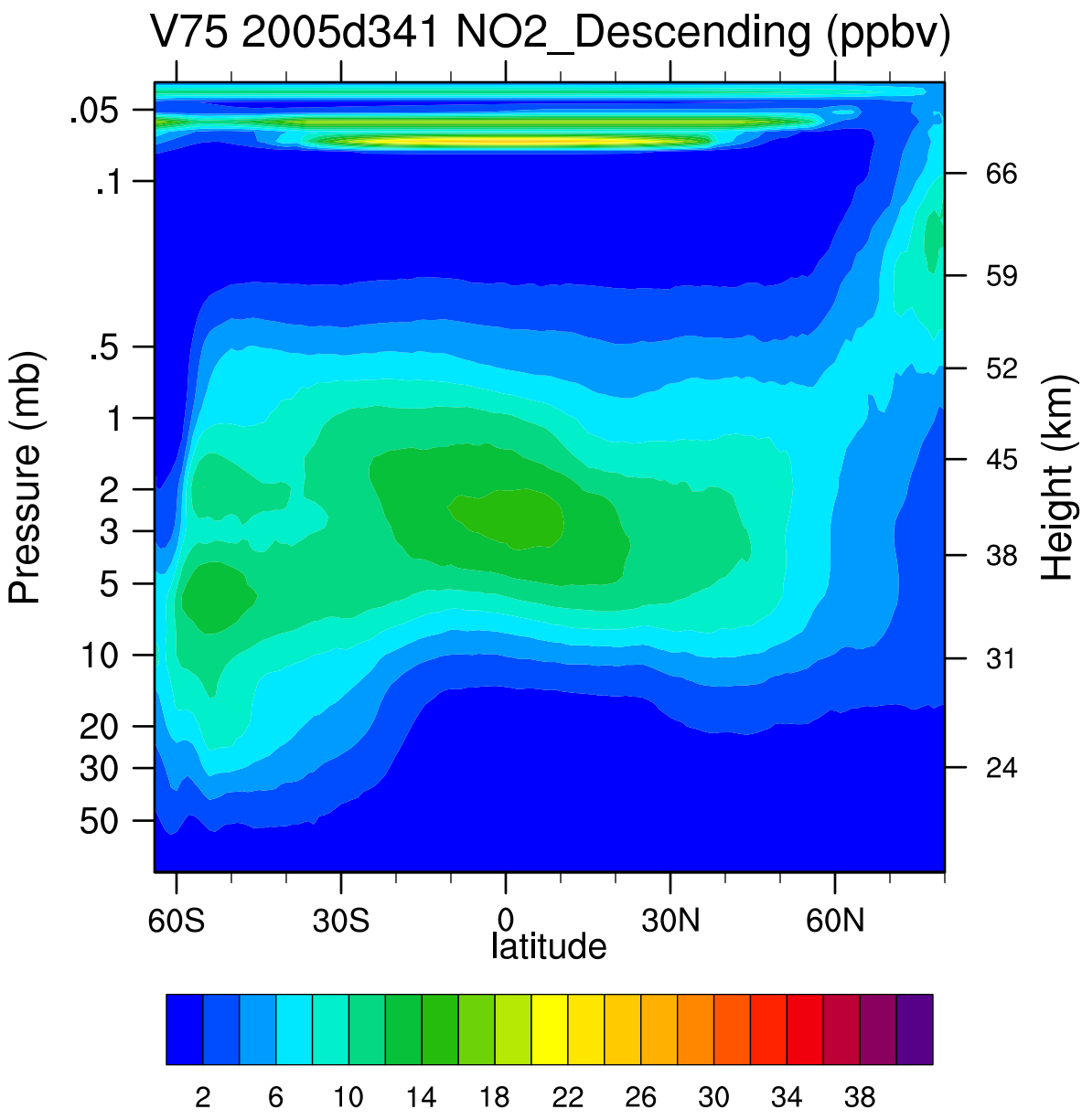
34
38


V75 2005d341 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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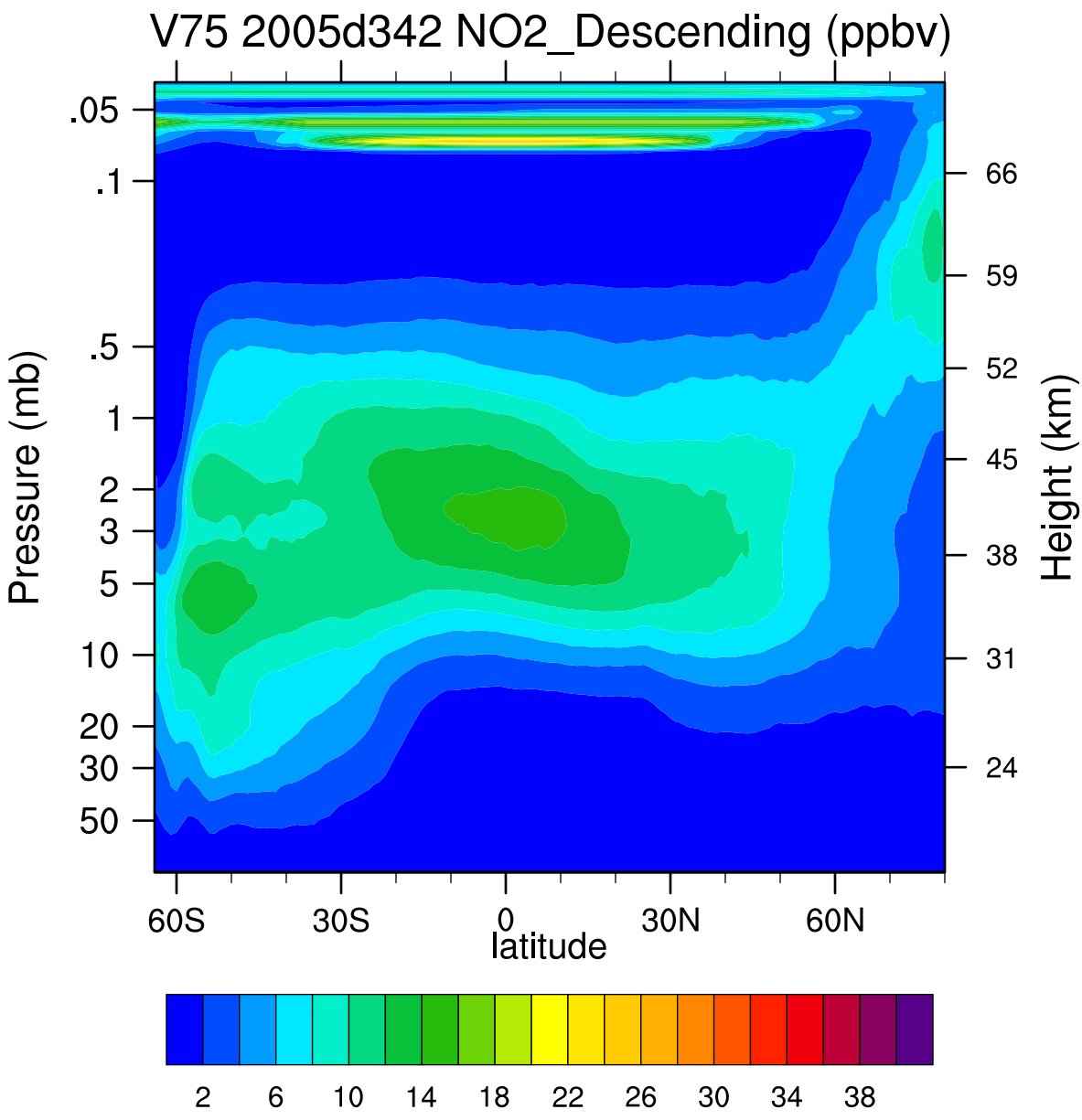
V75 2005d342 NO2_Descending (ppbv)
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.1
.5
1
2
3
5
10
20
30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
60S
30S
0
30N
60N
latitude
2
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10
14
18
22
26
30
34
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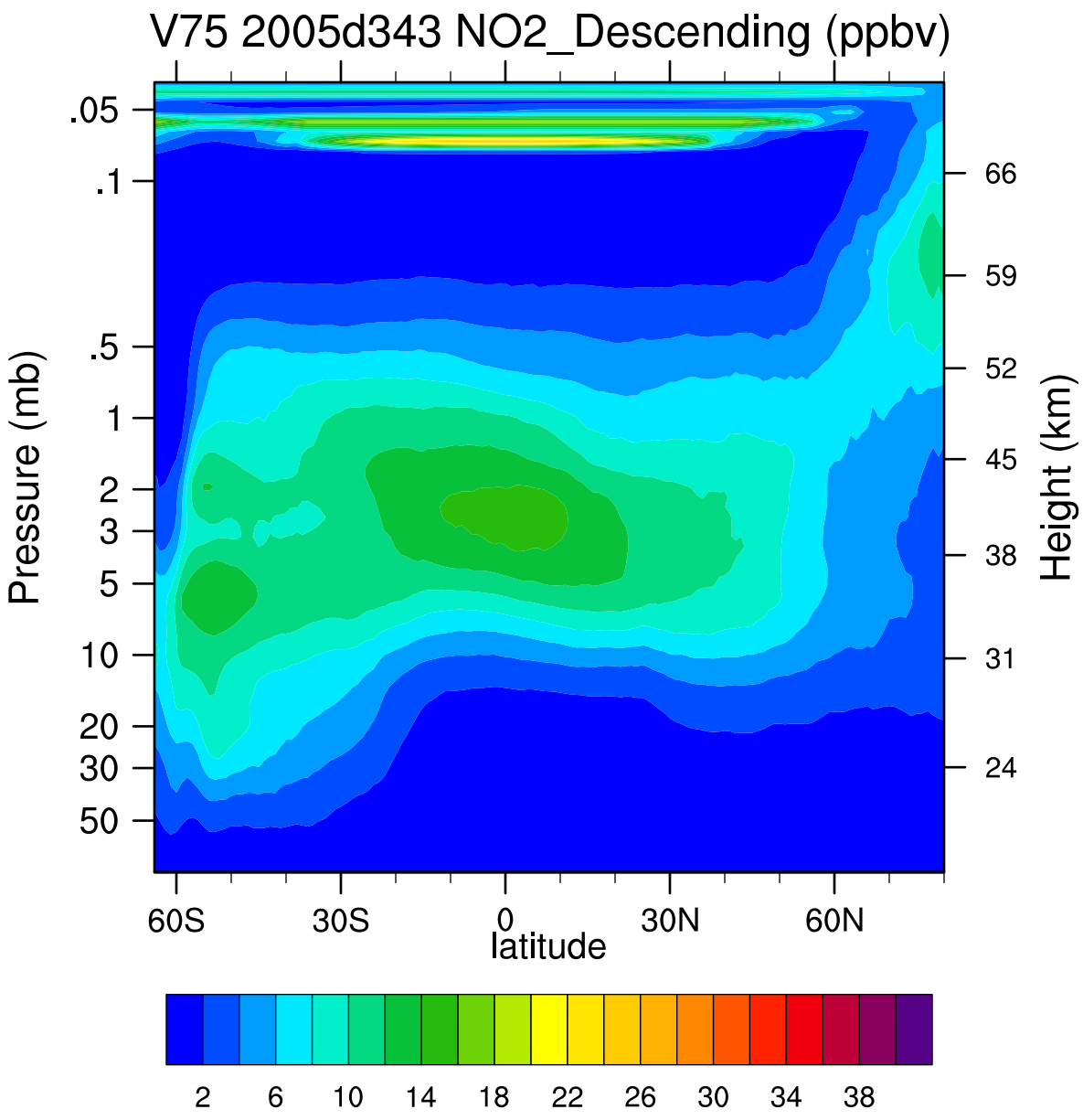
V75 2005d343 NO2_Descending (ppbv)
Pressure (mb)
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2
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5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
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10
14
18
22
26
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34
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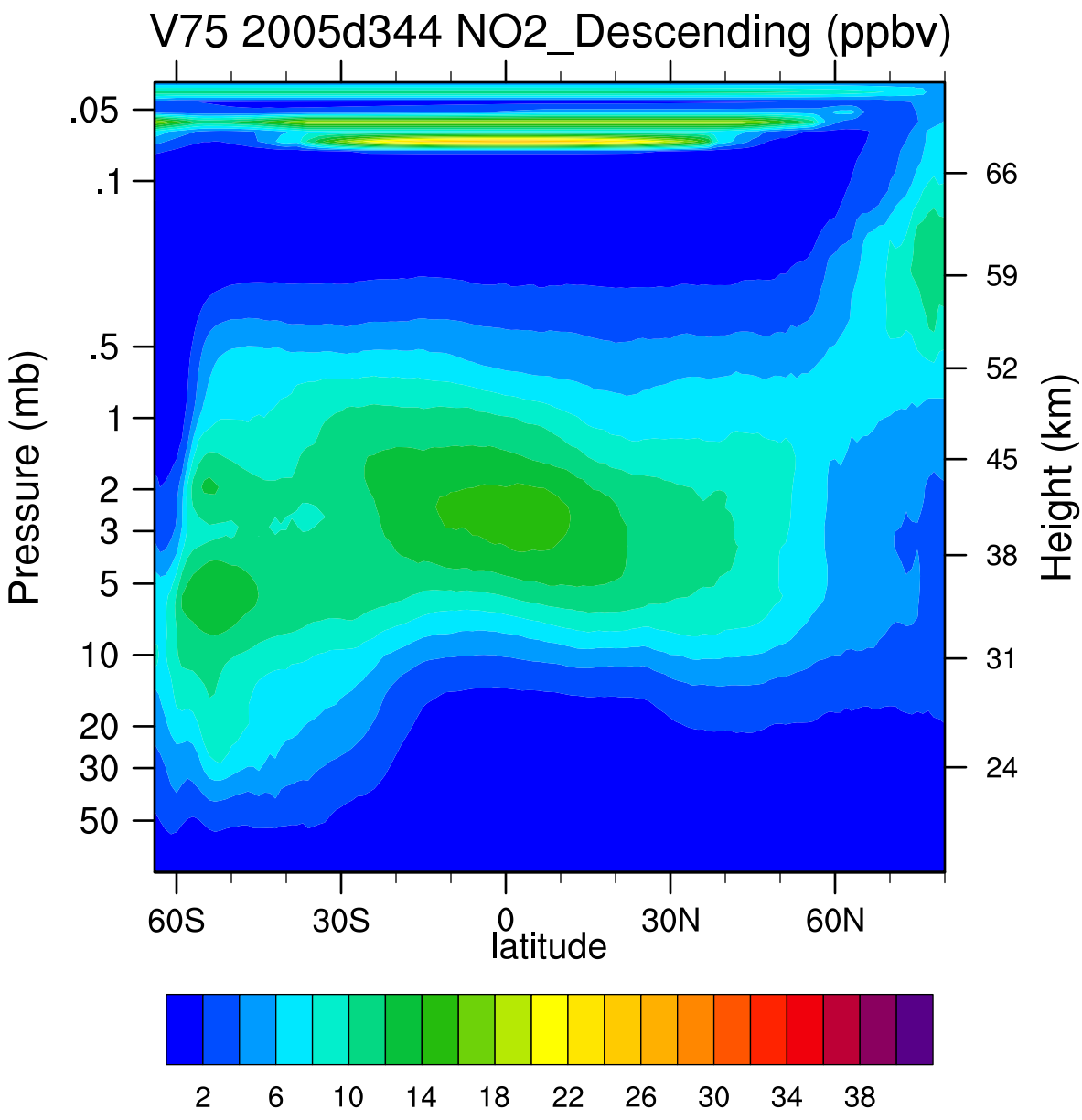
V75 2005d344 NO2_Descending (ppbv)
Pressure (mb)
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.1
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2
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5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
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10
14
18
22
26
30
34
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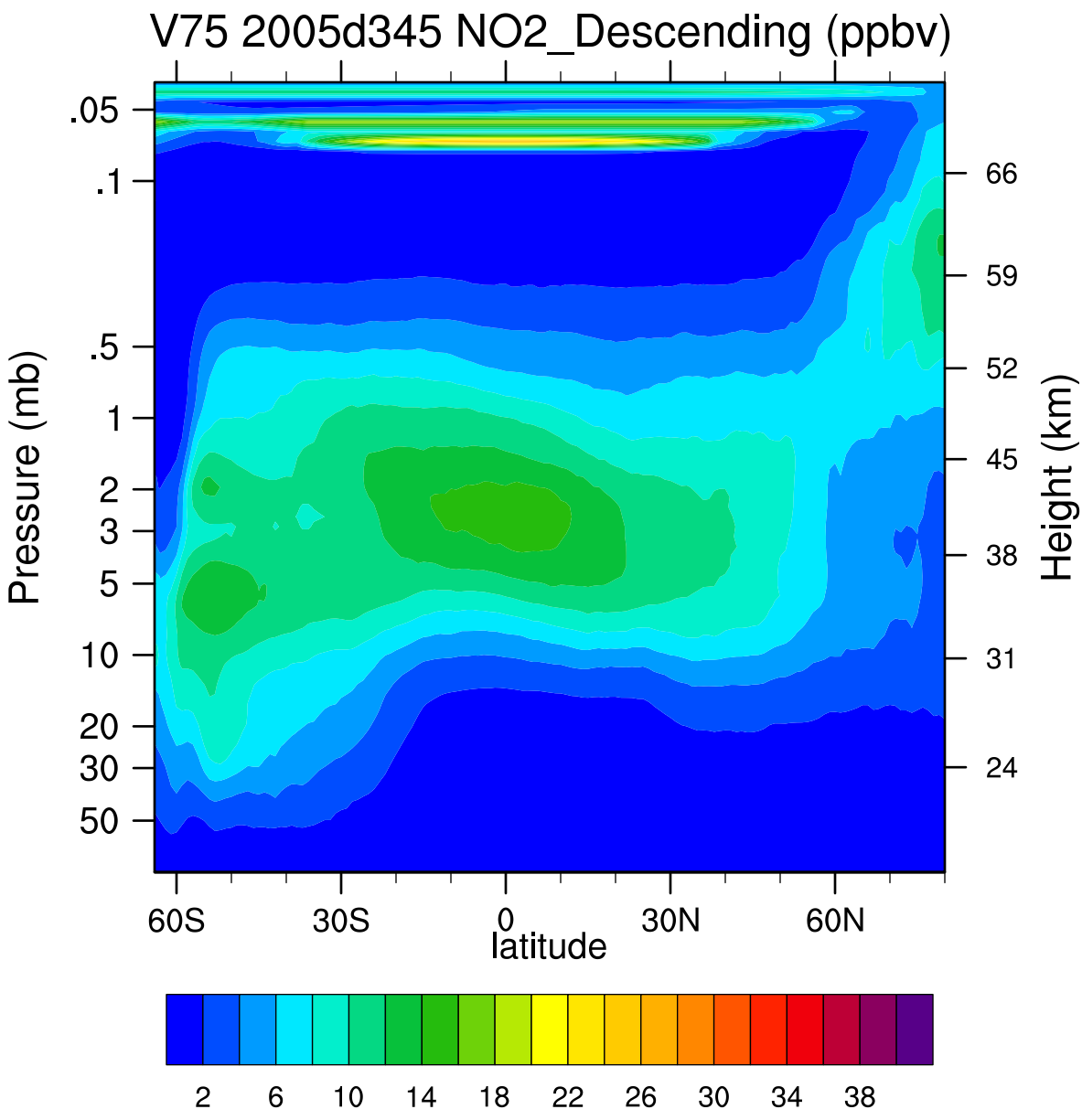
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Pressure (mb)
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5
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50
Height (km)
66
59
52
45
38
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24
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30S
0
30N
60N
latitude
2
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26
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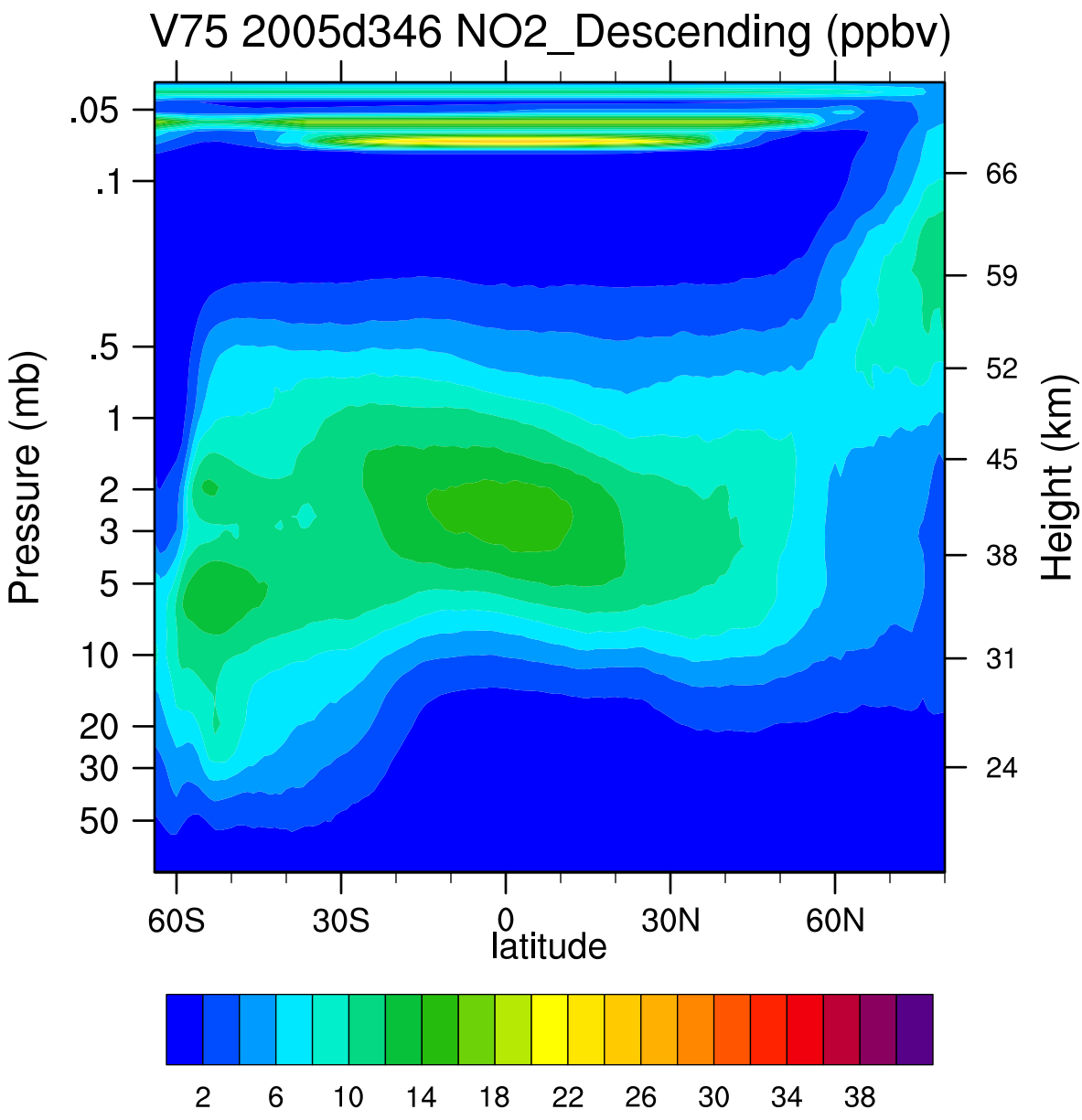
V75 2005d346 NO2_Descending (ppbv)
Pressure (mb)
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.1
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1
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3
5
10
20
30
50
Height (km)
66
59
52
45
38
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24
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30S
0
30N
60N
latitude
2
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10
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18
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26
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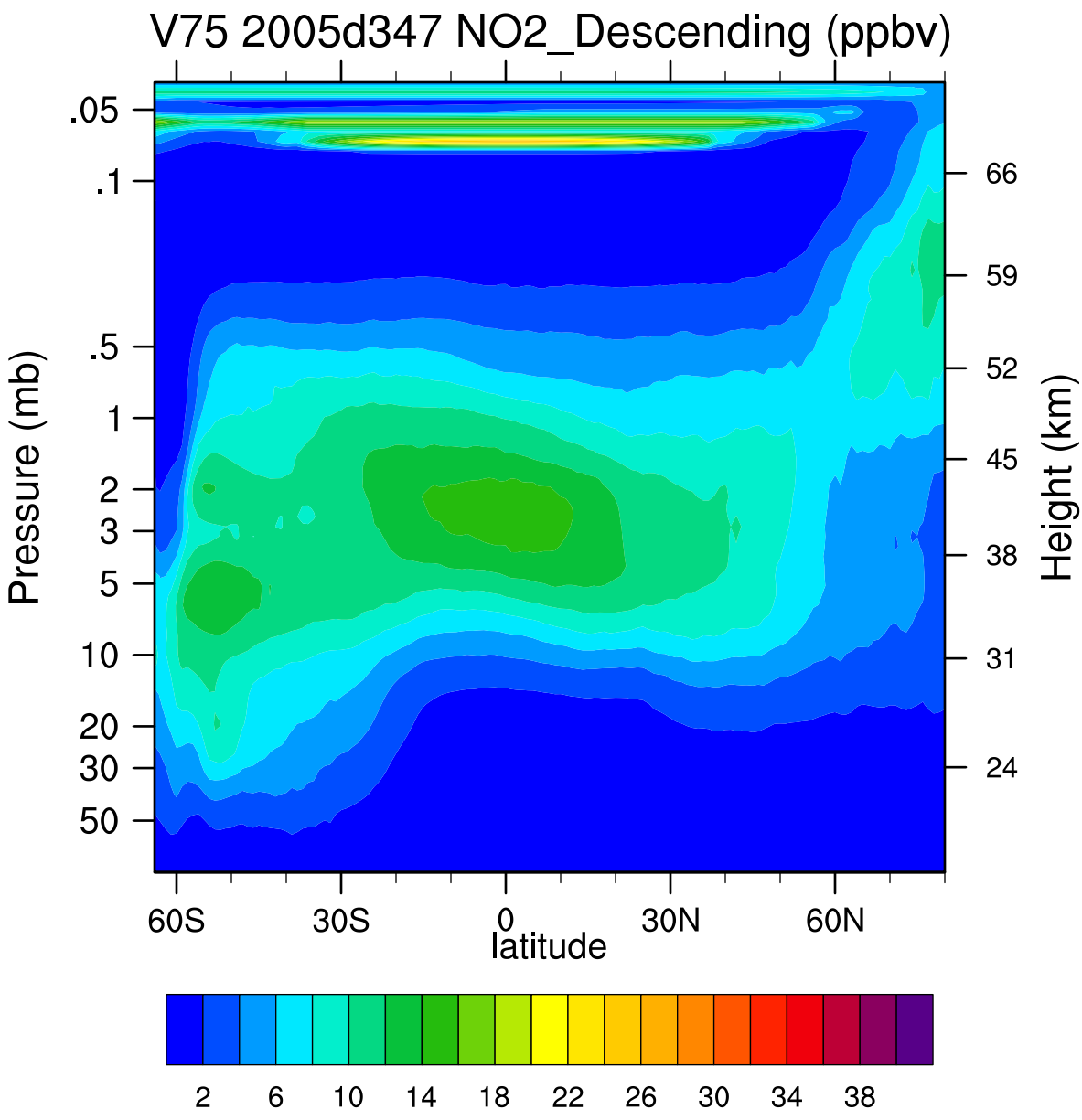
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5
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Pressure (mb)
66
59
52
45
38
31
24
Height (km)
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30S
0
30N
60N
latitude
2
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10
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26
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34
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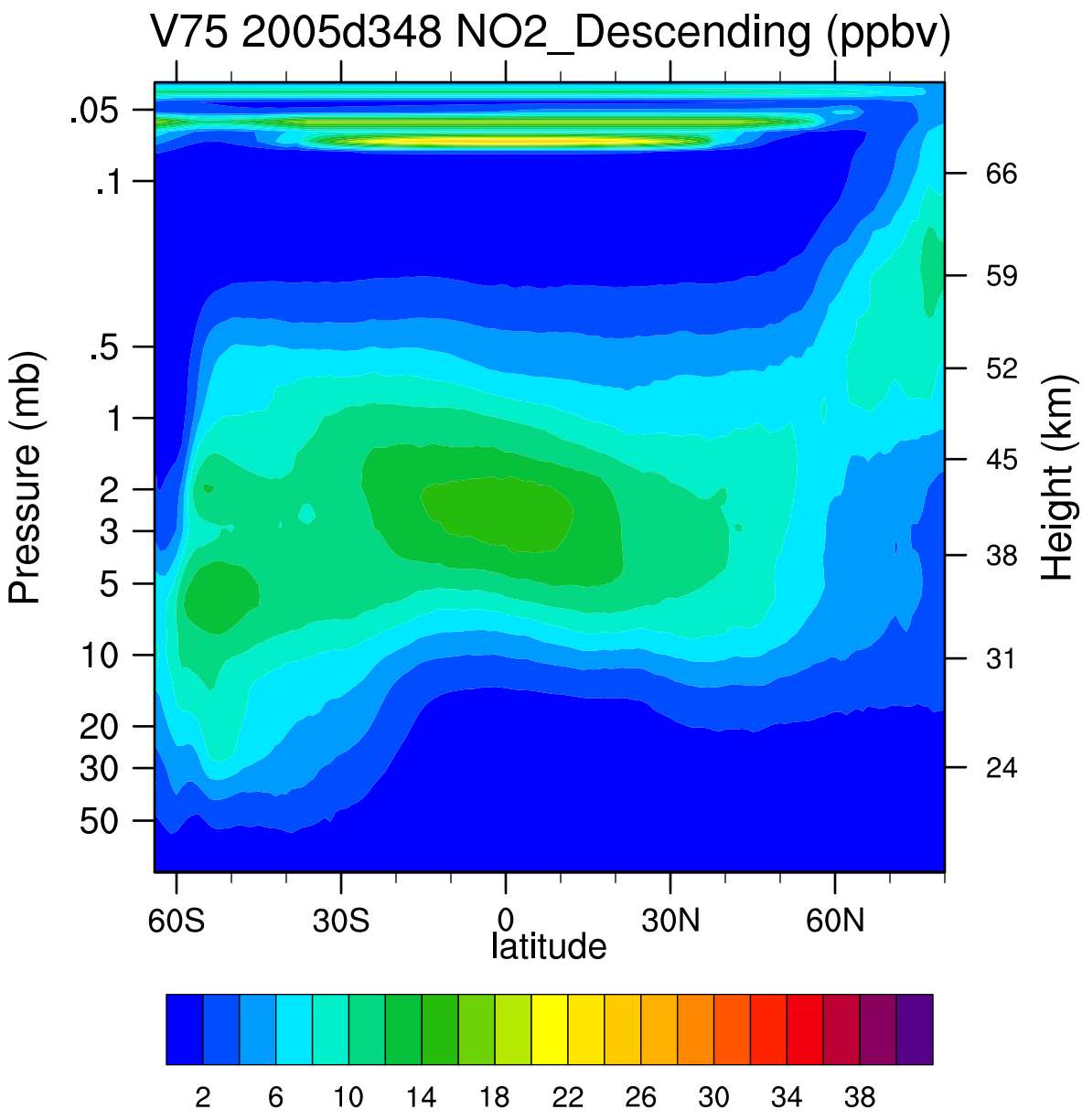
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Pressure (mb)
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2
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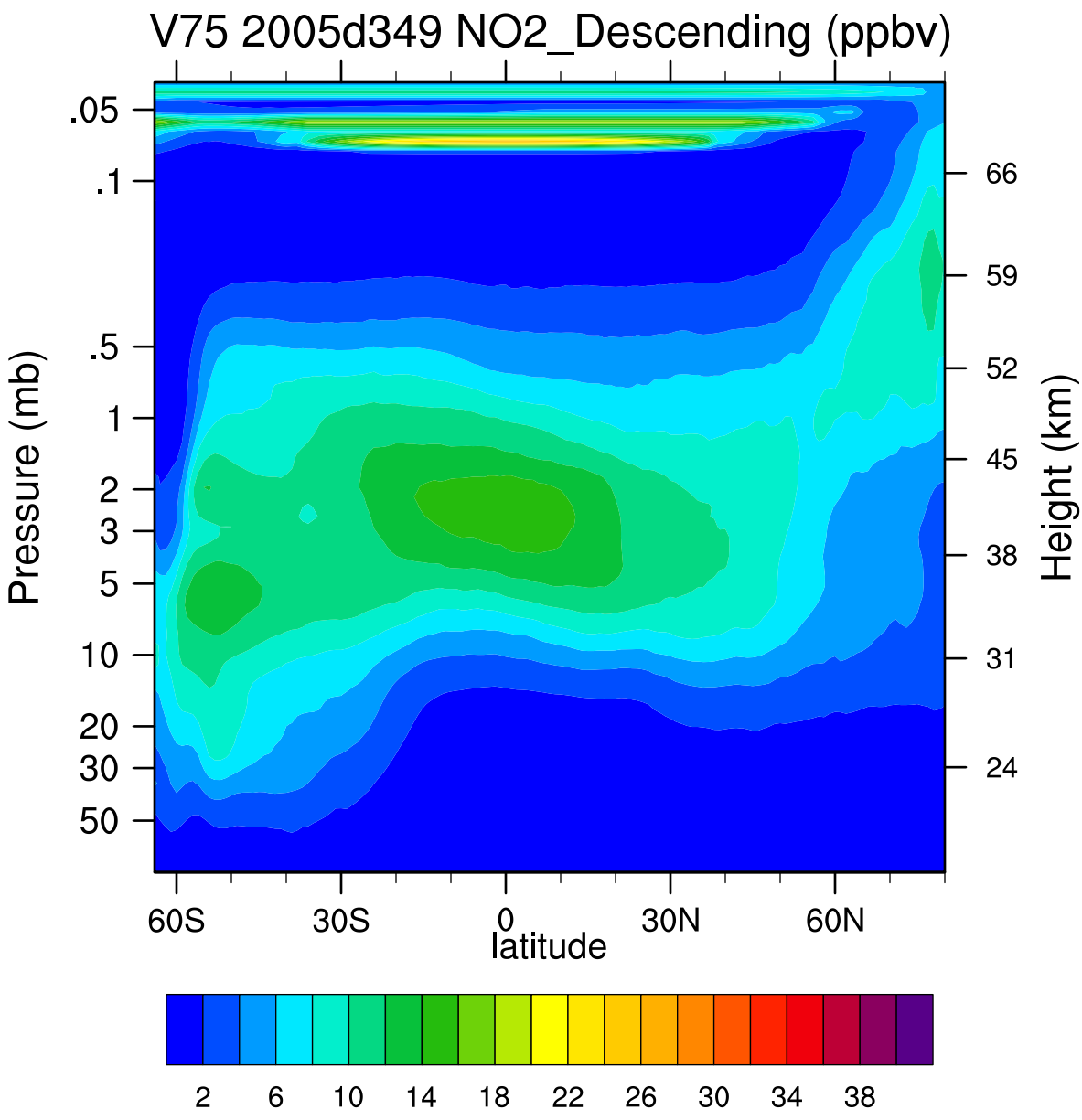
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d349 NO2_Descending (ppbv)
Pressure (mb)
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.5
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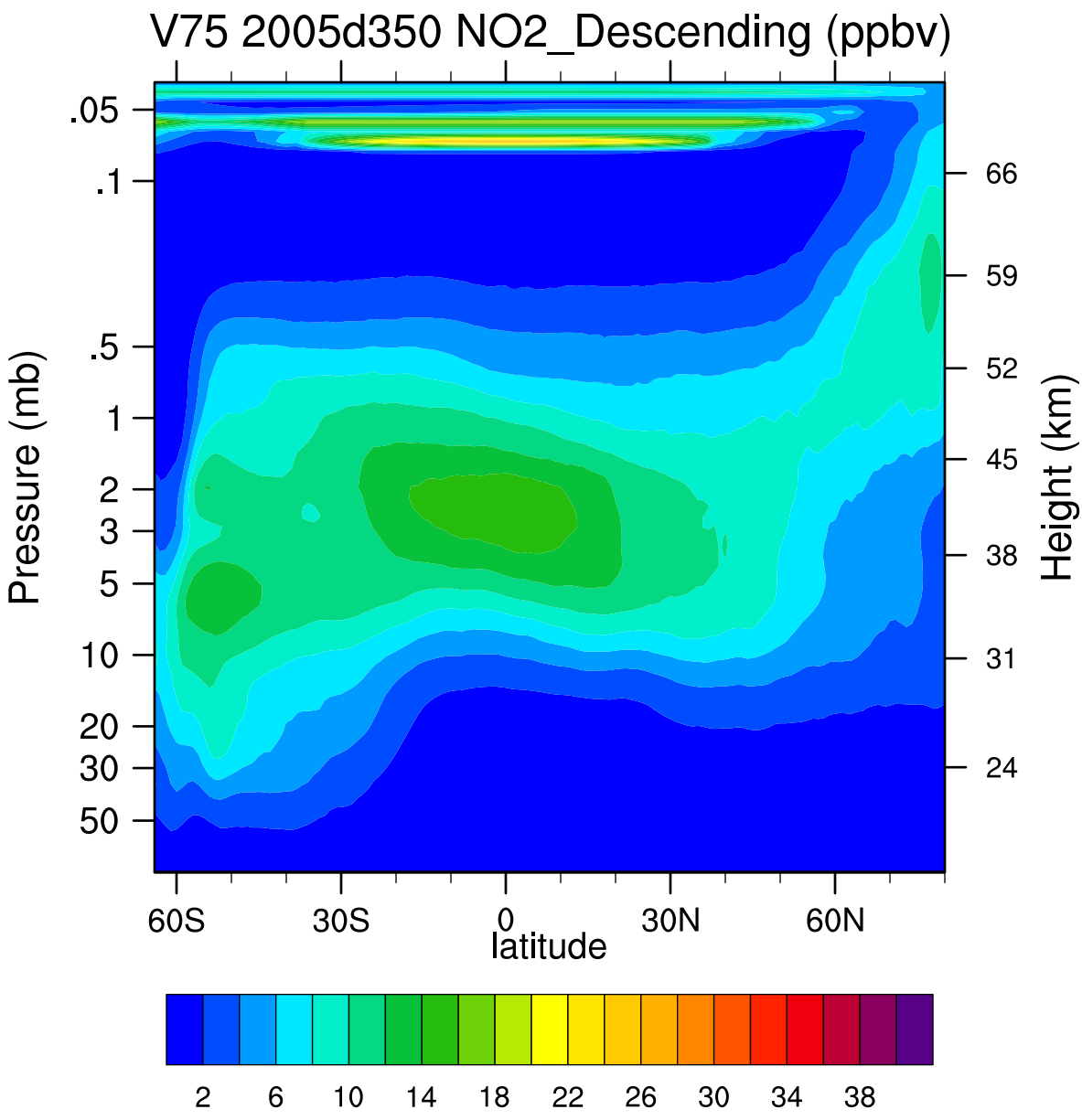
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38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Pressure (mb)
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.5
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5
10
20
30
50
Height (km)
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59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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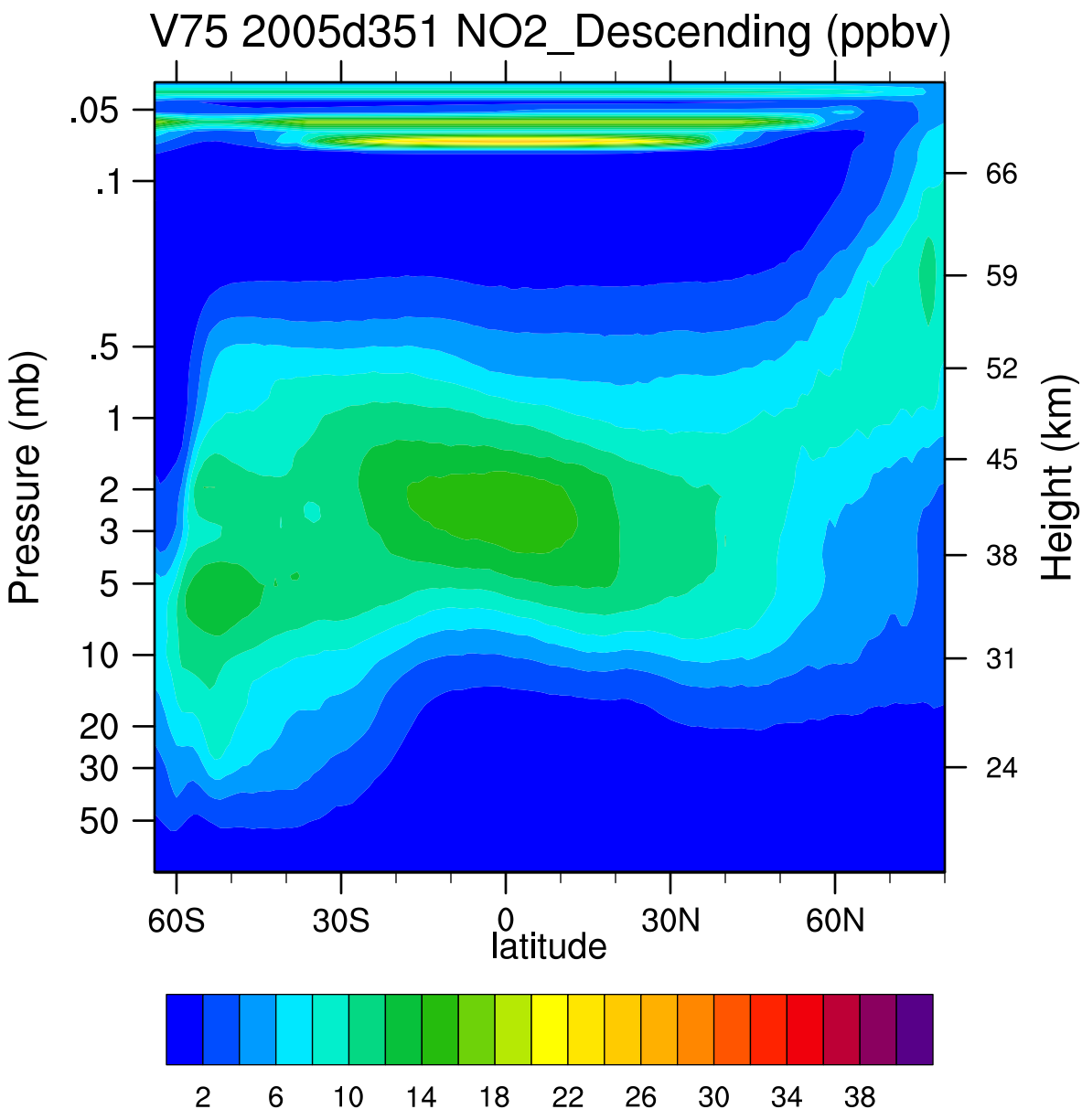
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Pressure (mb)
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.5
1
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3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
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26
30
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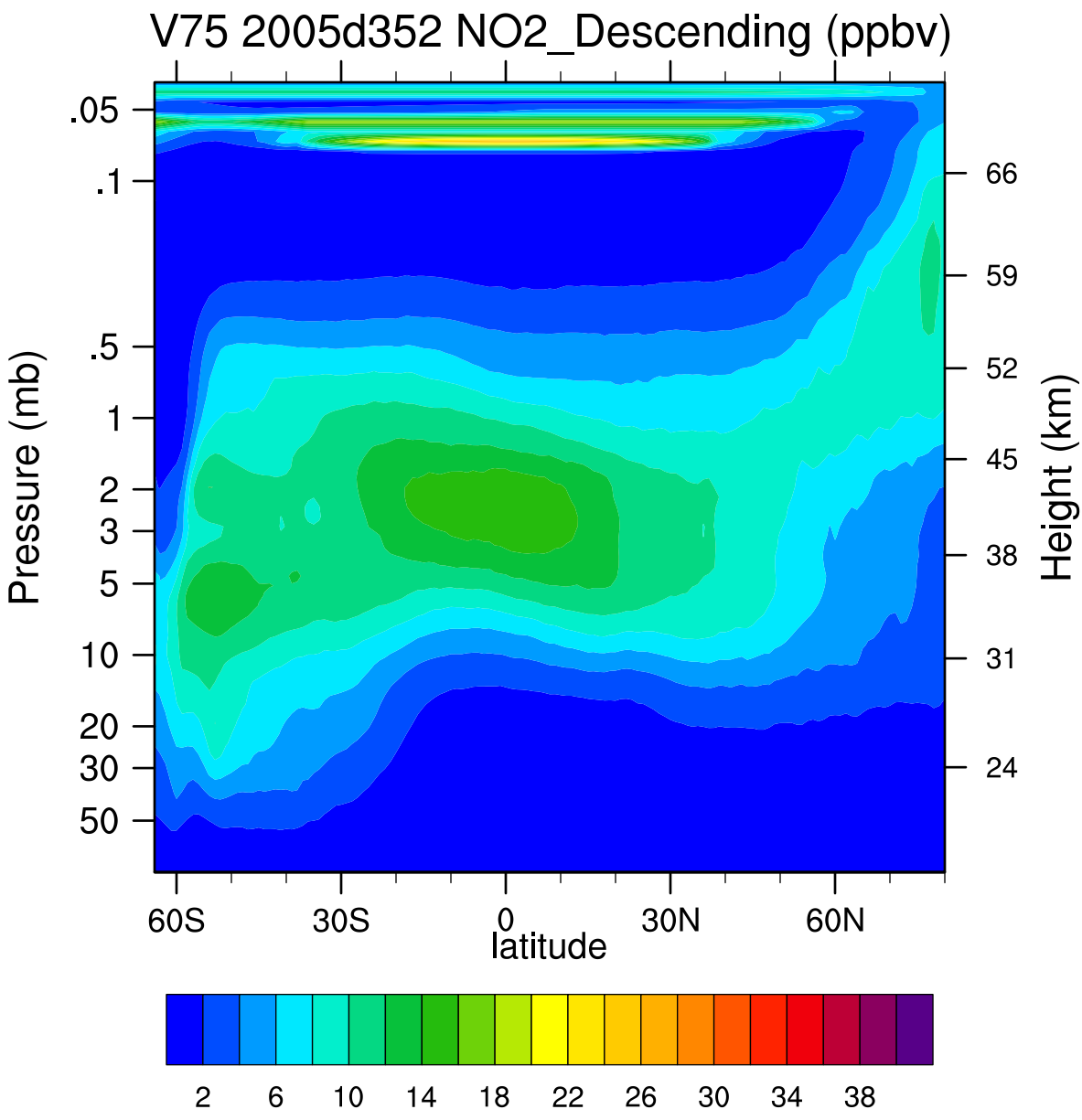
38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Pressure (mb)
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.5
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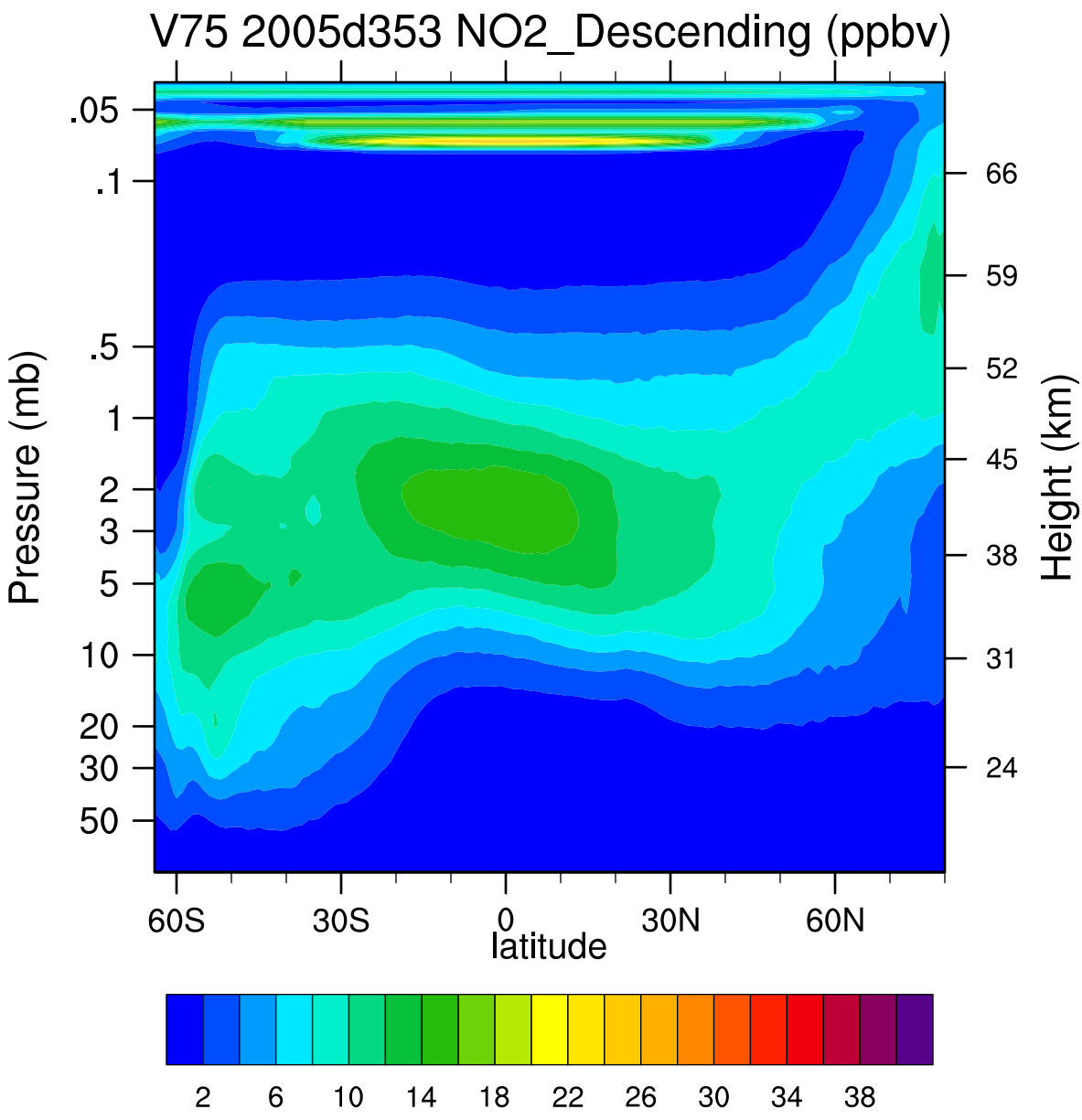
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2005d353 NO2_Descending (ppbv)
Pressure (mb)
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5
10
20
30
50
Height (km)
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59
52
45
38
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24
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30S
0
30N
60N
latitude
2
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10
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18
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26
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34
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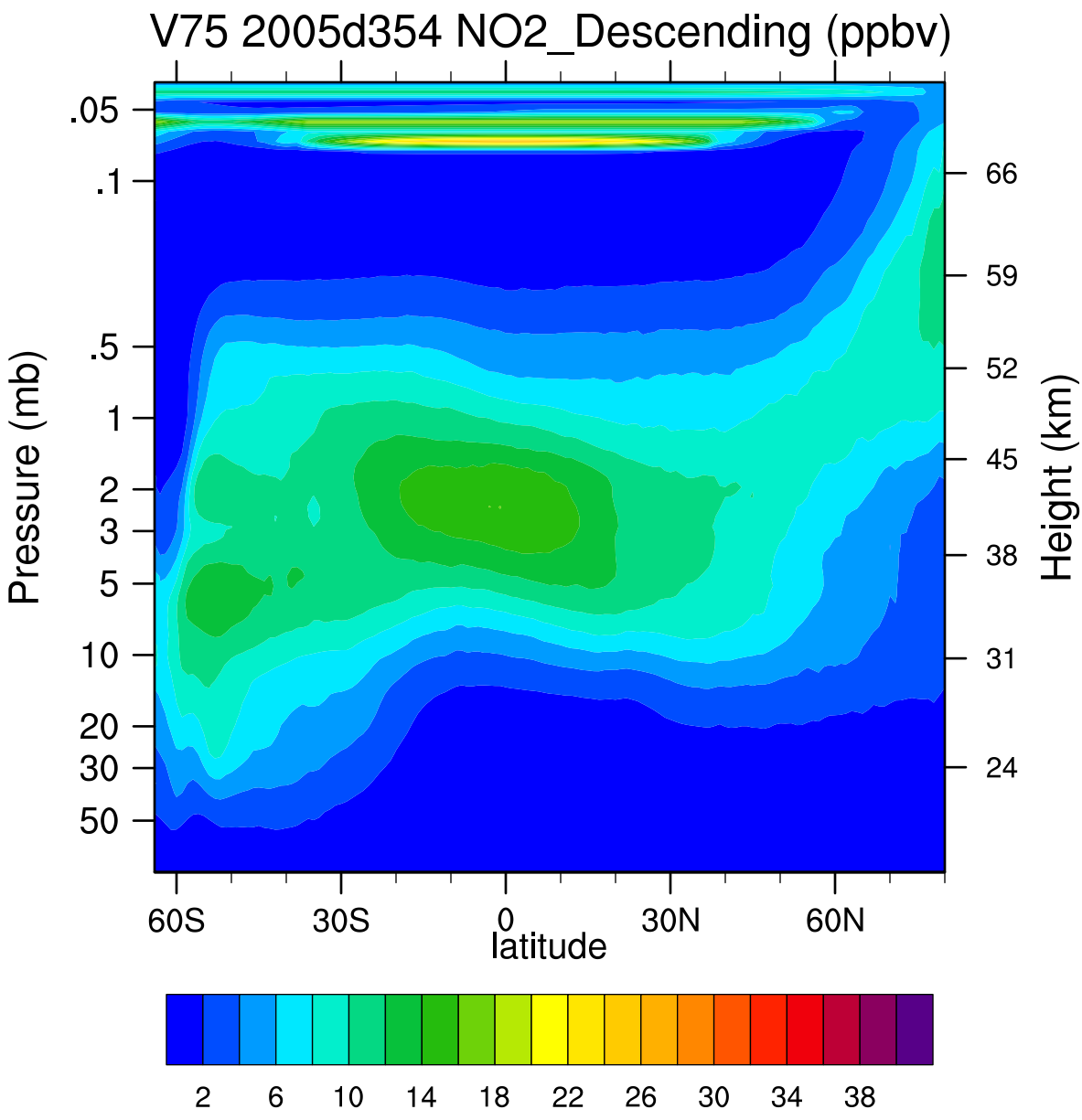
V75 2005d354 NO2_Descending (ppbv)
Pressure (mb)
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.5
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5
10
20
30
50
Height (km)
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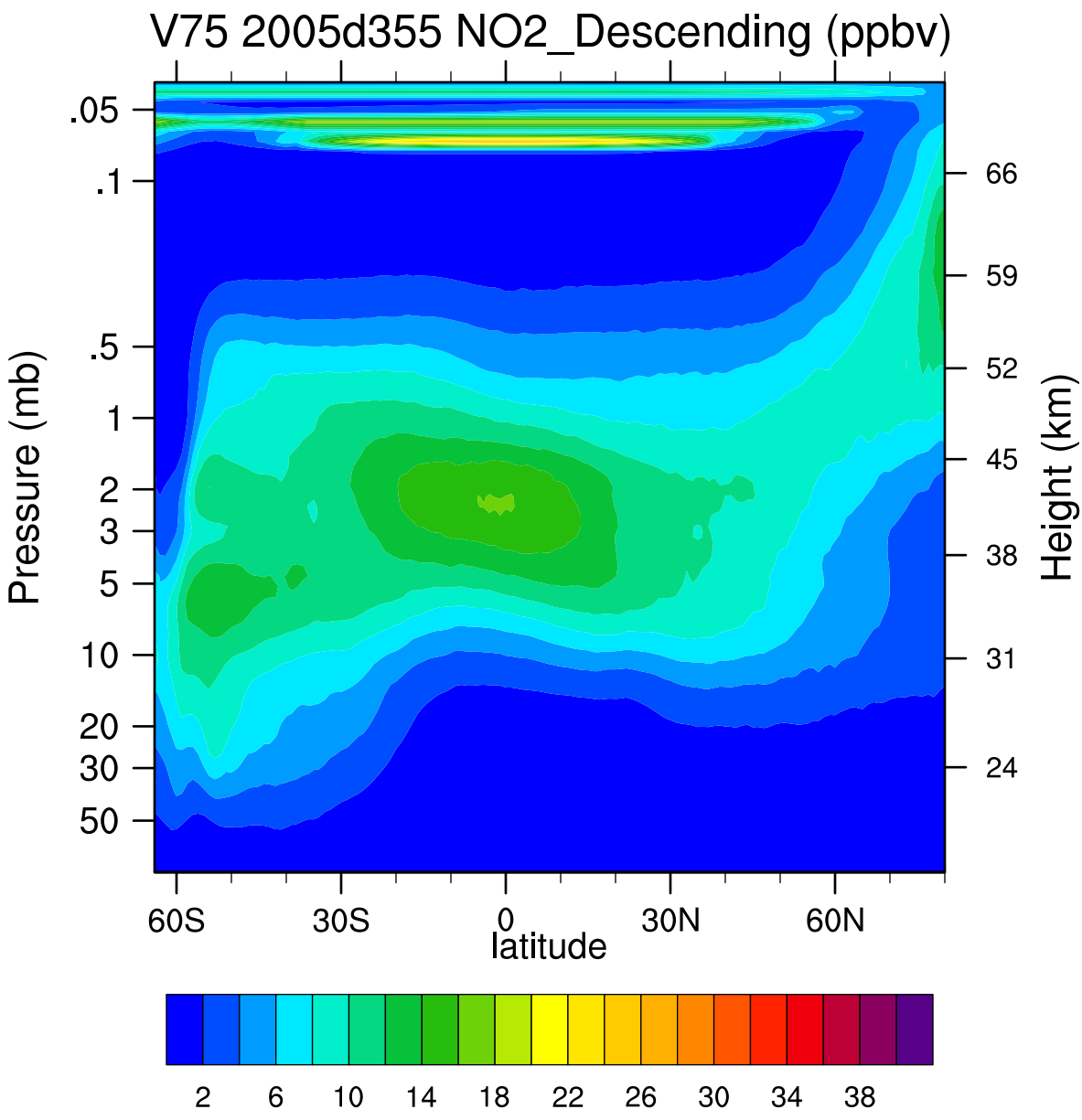
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38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Pressure (mb)
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Height (km)
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59
52
45
38
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24
60S
30S
0
30N
60N
latitude
2
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10
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18
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26
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34
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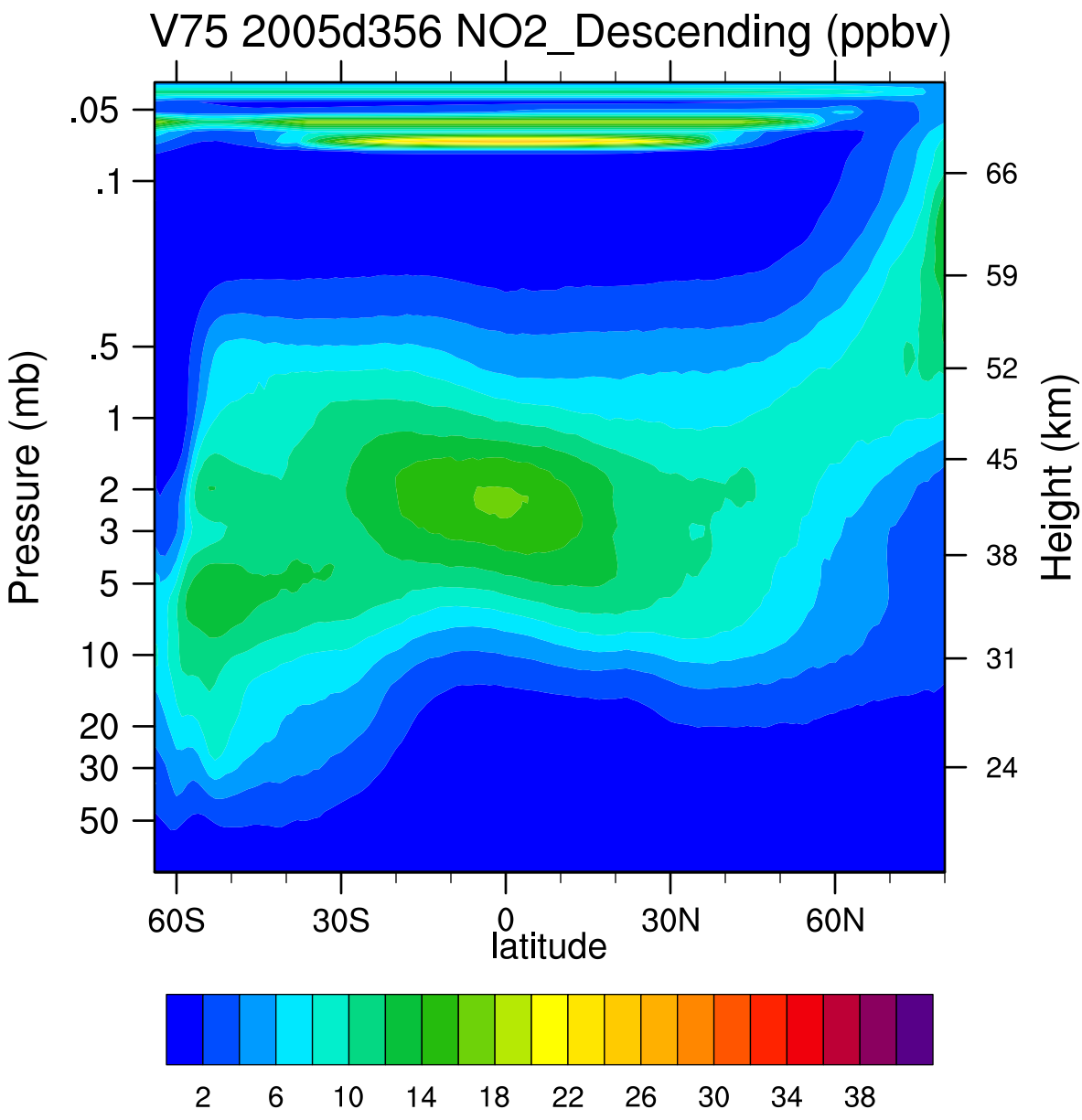
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Pressure (mb)
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Height (km)
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59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
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34
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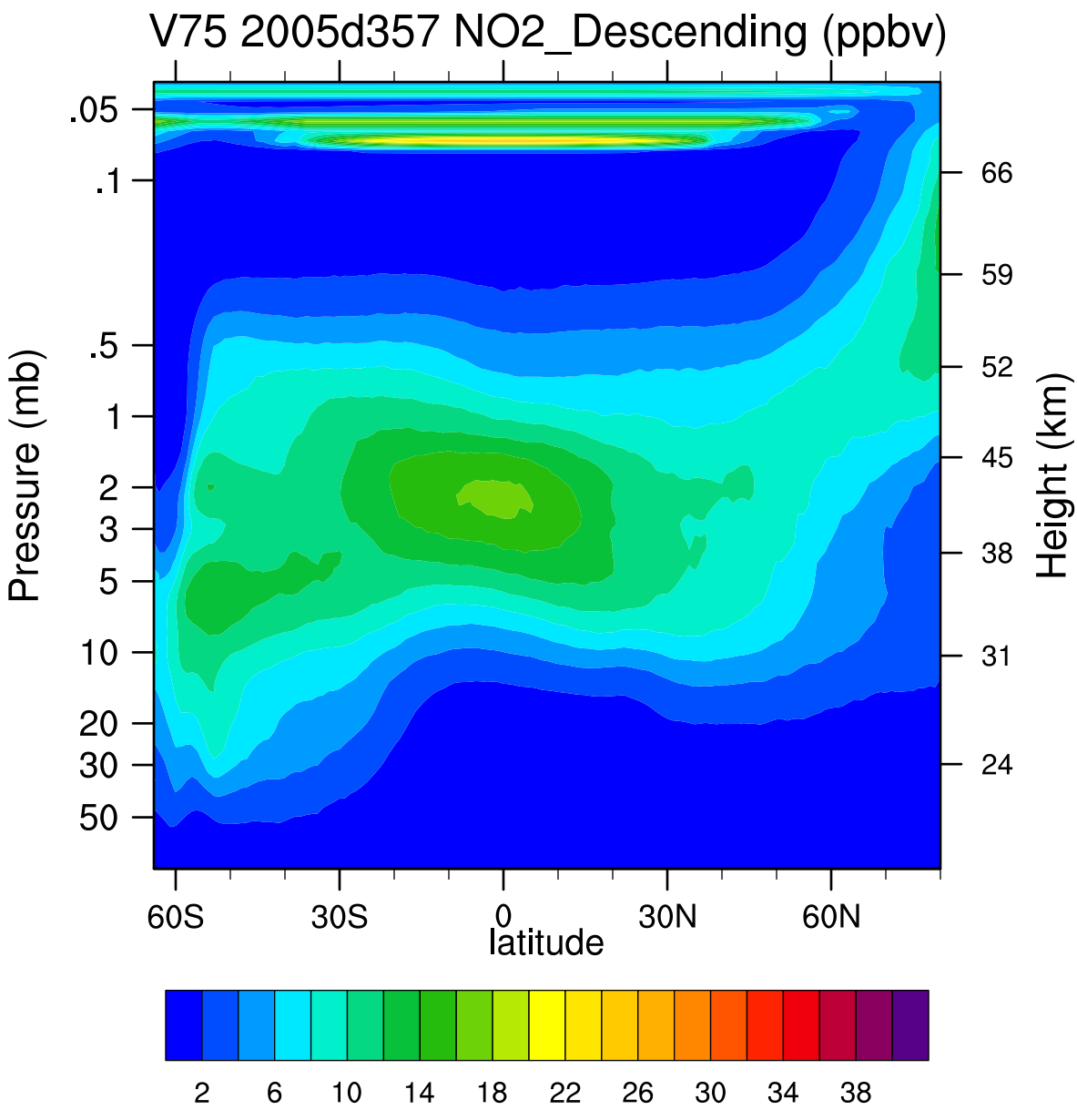
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Pressure (mb)
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Height (km)
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59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
6
10
14
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22
26
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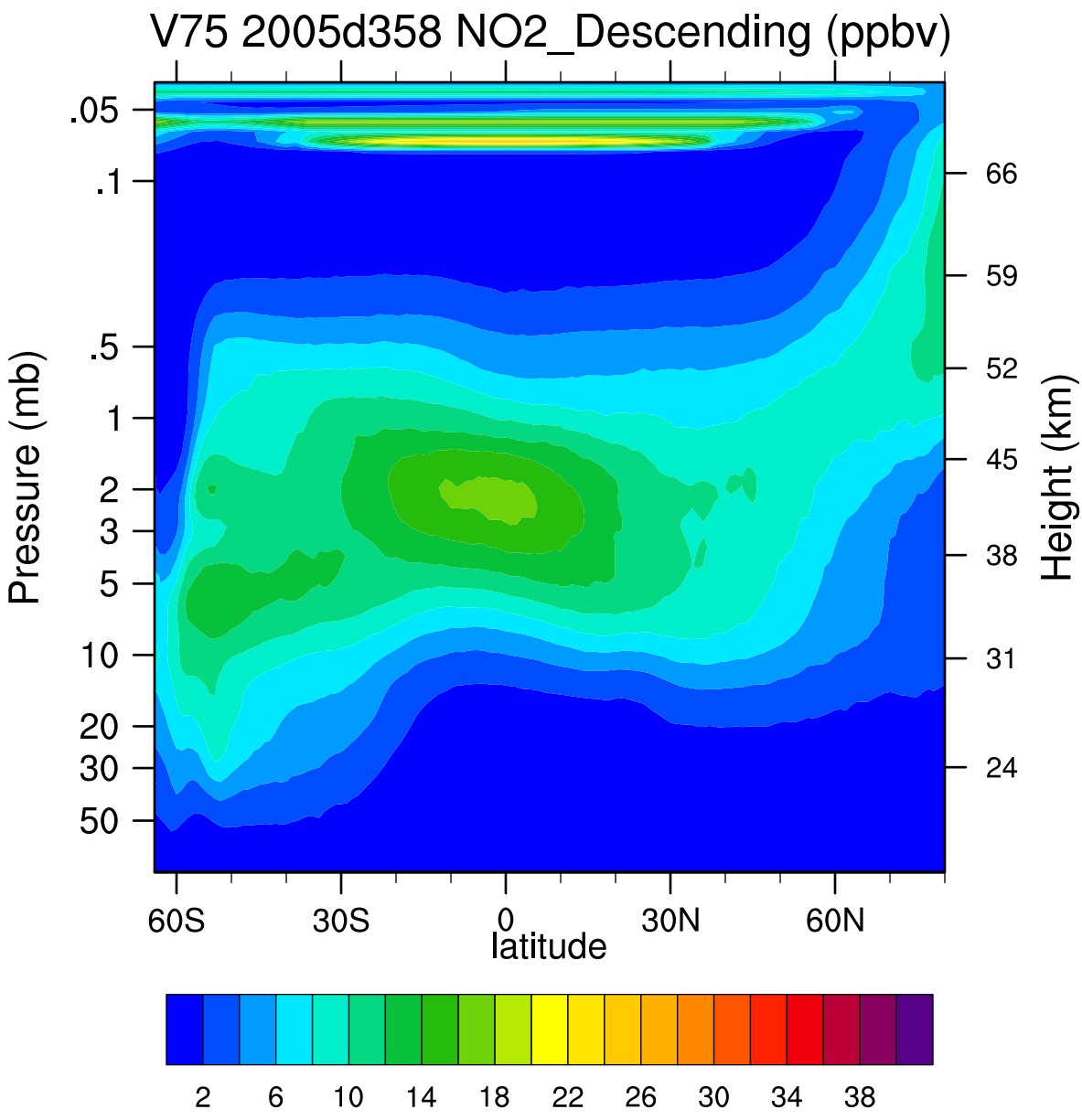
V75 2005d358 NO2_Descending (ppbv)
Pressure (mb)
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Height (km)
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59
52
45
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24
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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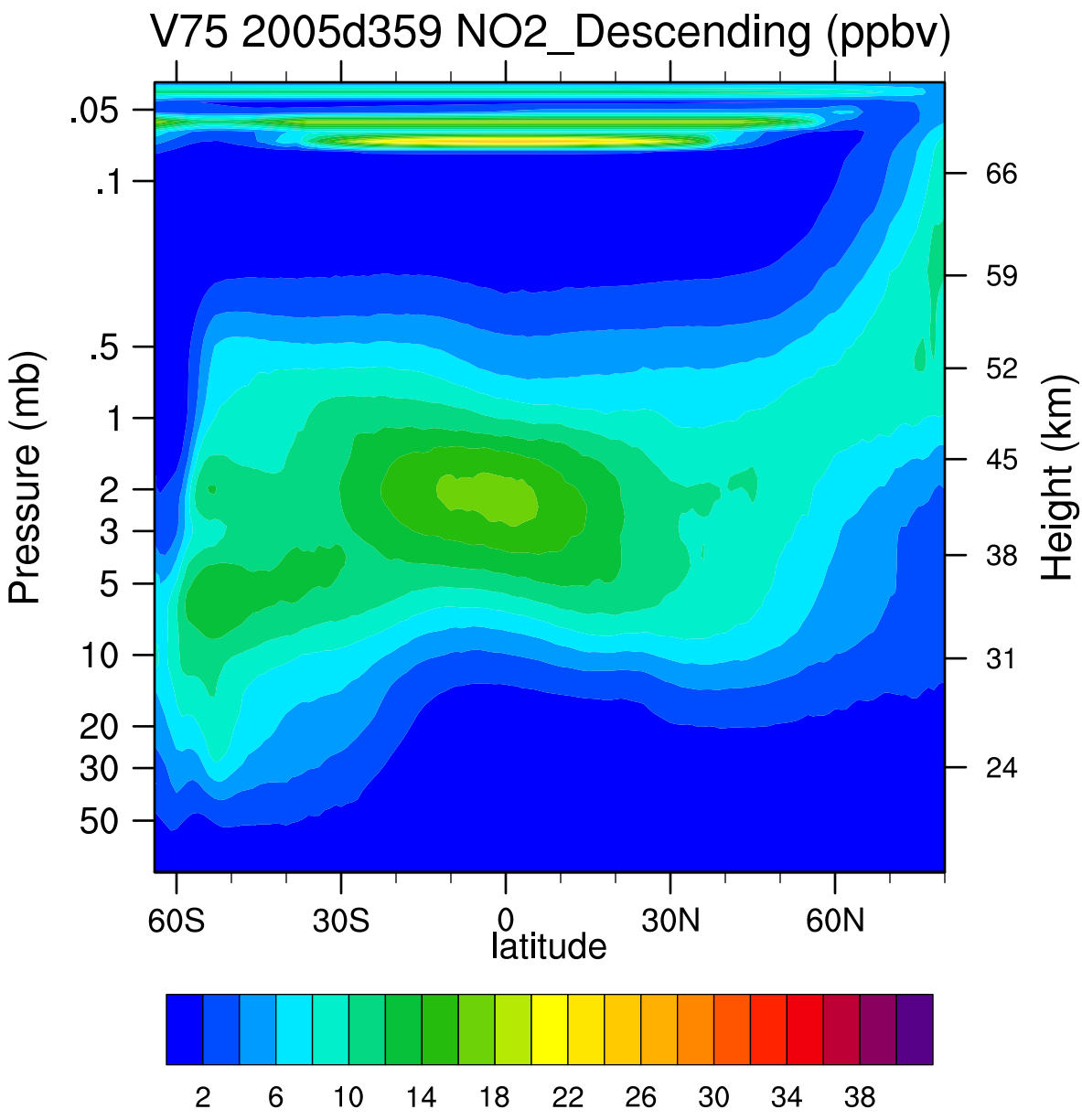
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.5
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Height (km)
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59
52
45
38
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24
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
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34
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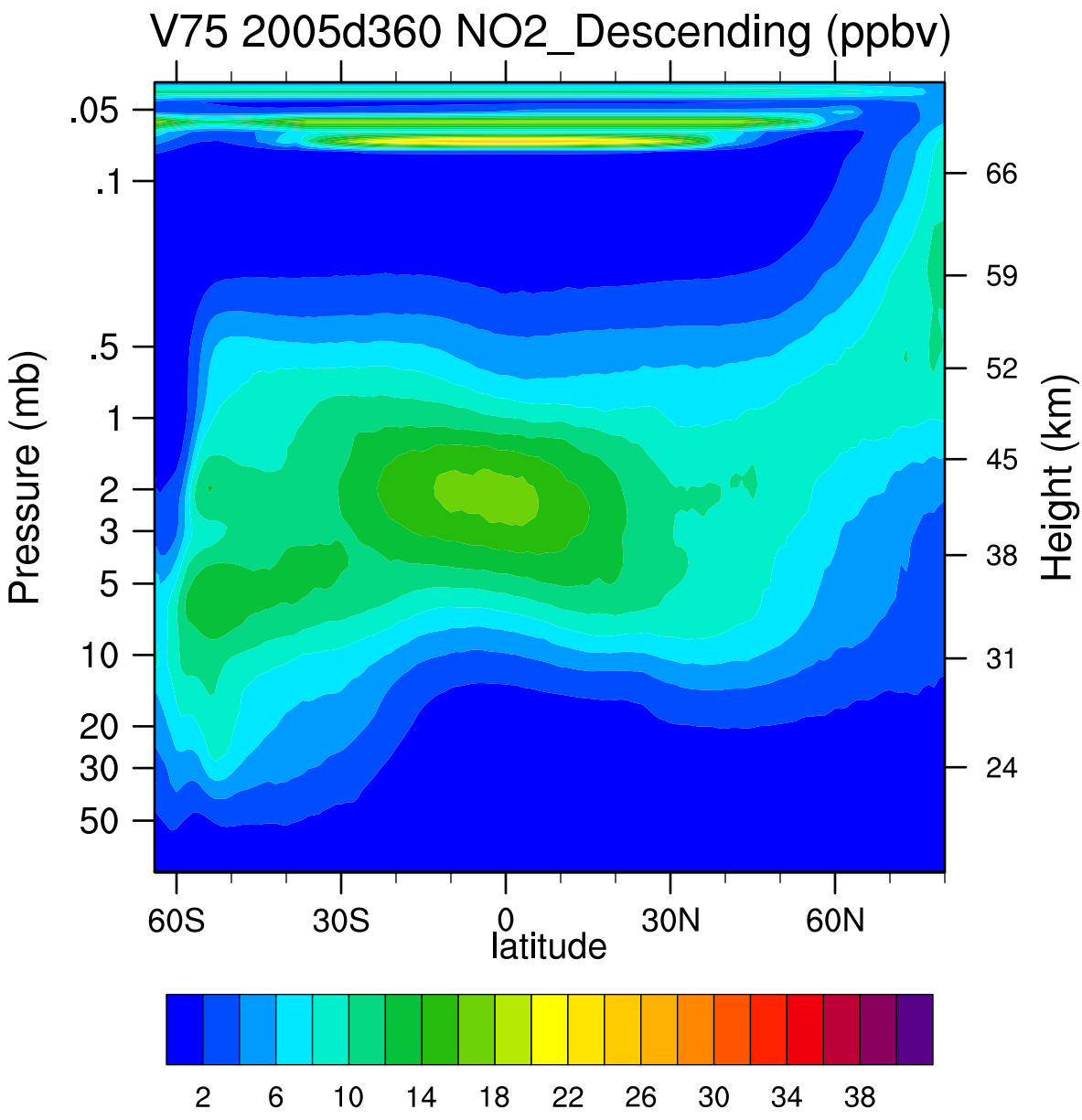
V75 2005d360 NO2_Descending (ppbv)
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Height (km)
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59
52
45
38
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24
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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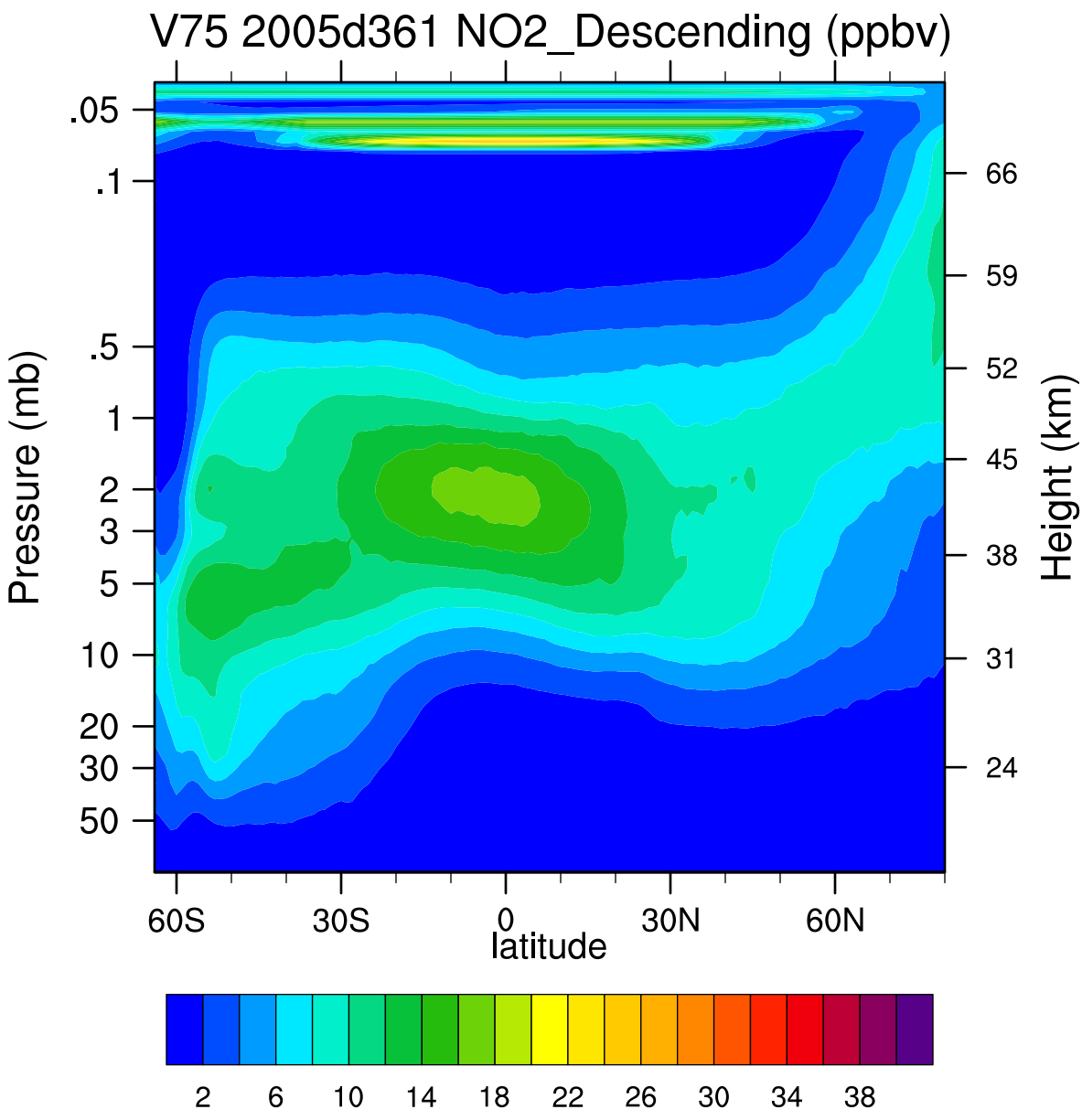
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Pressure (mb)
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Height (km)
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59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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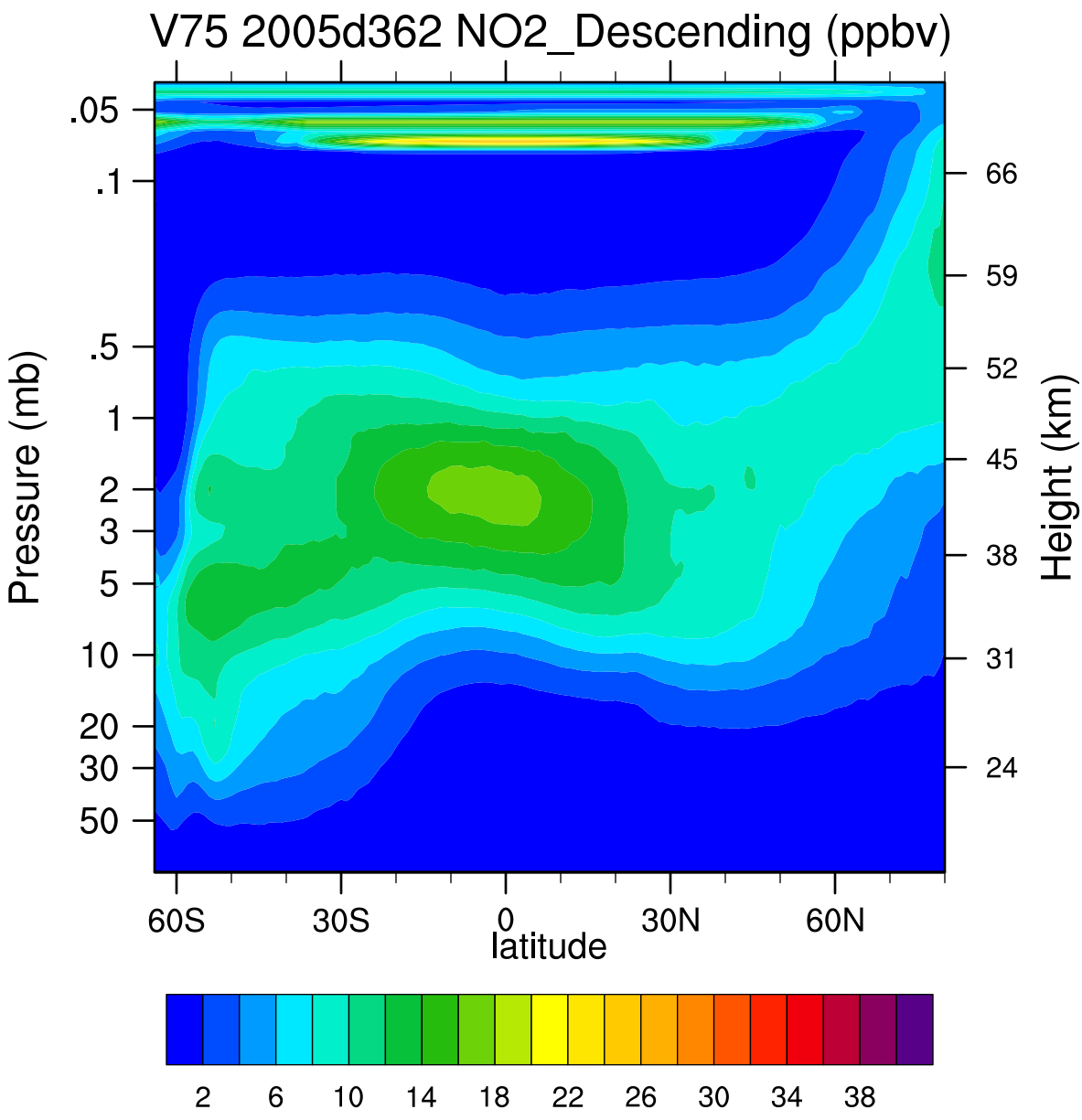
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Pressure (mb)
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5
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Height (km)
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59
52
45
38
31
24
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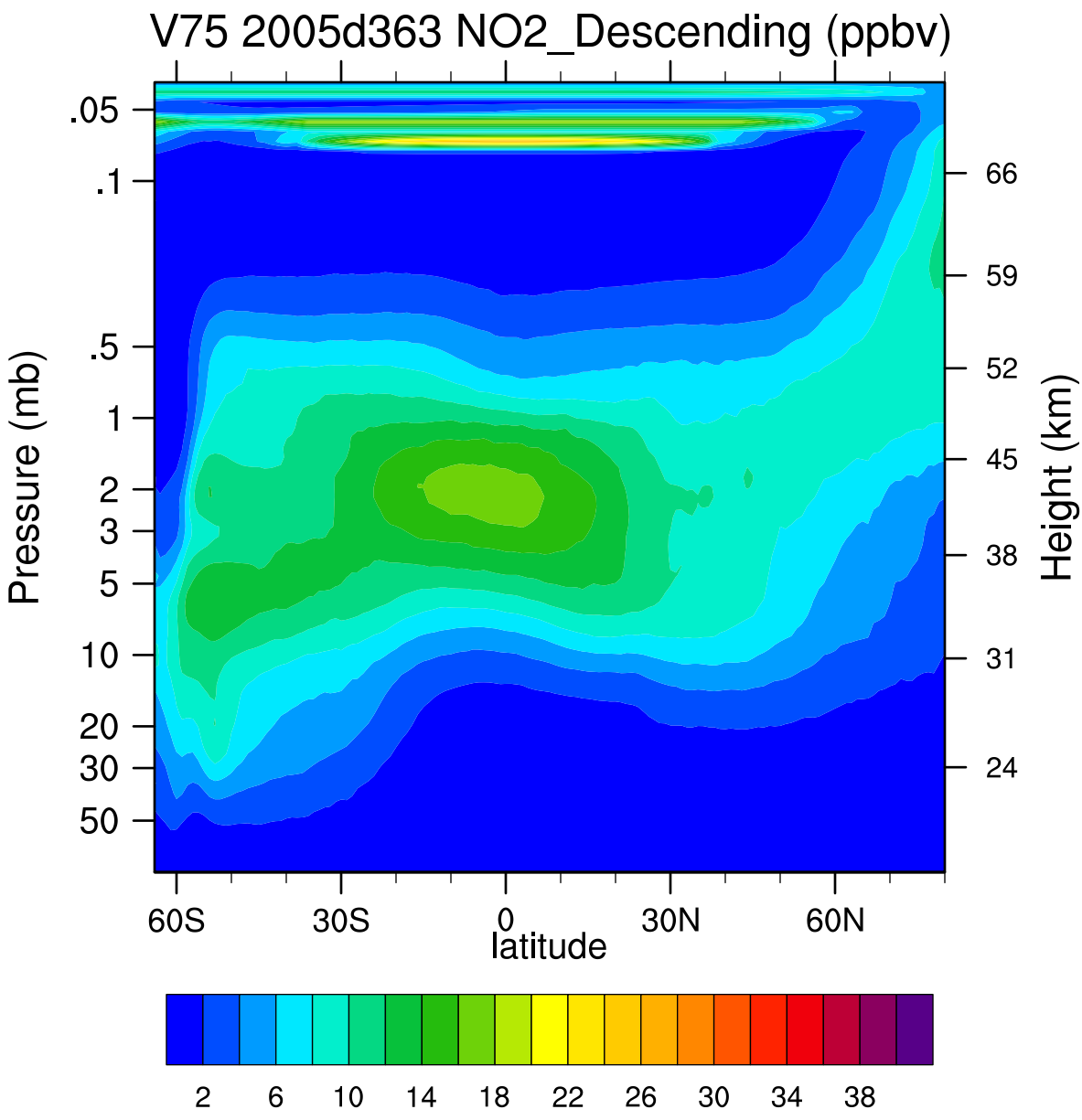
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38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30
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Height (km)
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59
52
45
38
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24
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30S
0
30N
60N
latitude
2
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10
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18
22
26
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34
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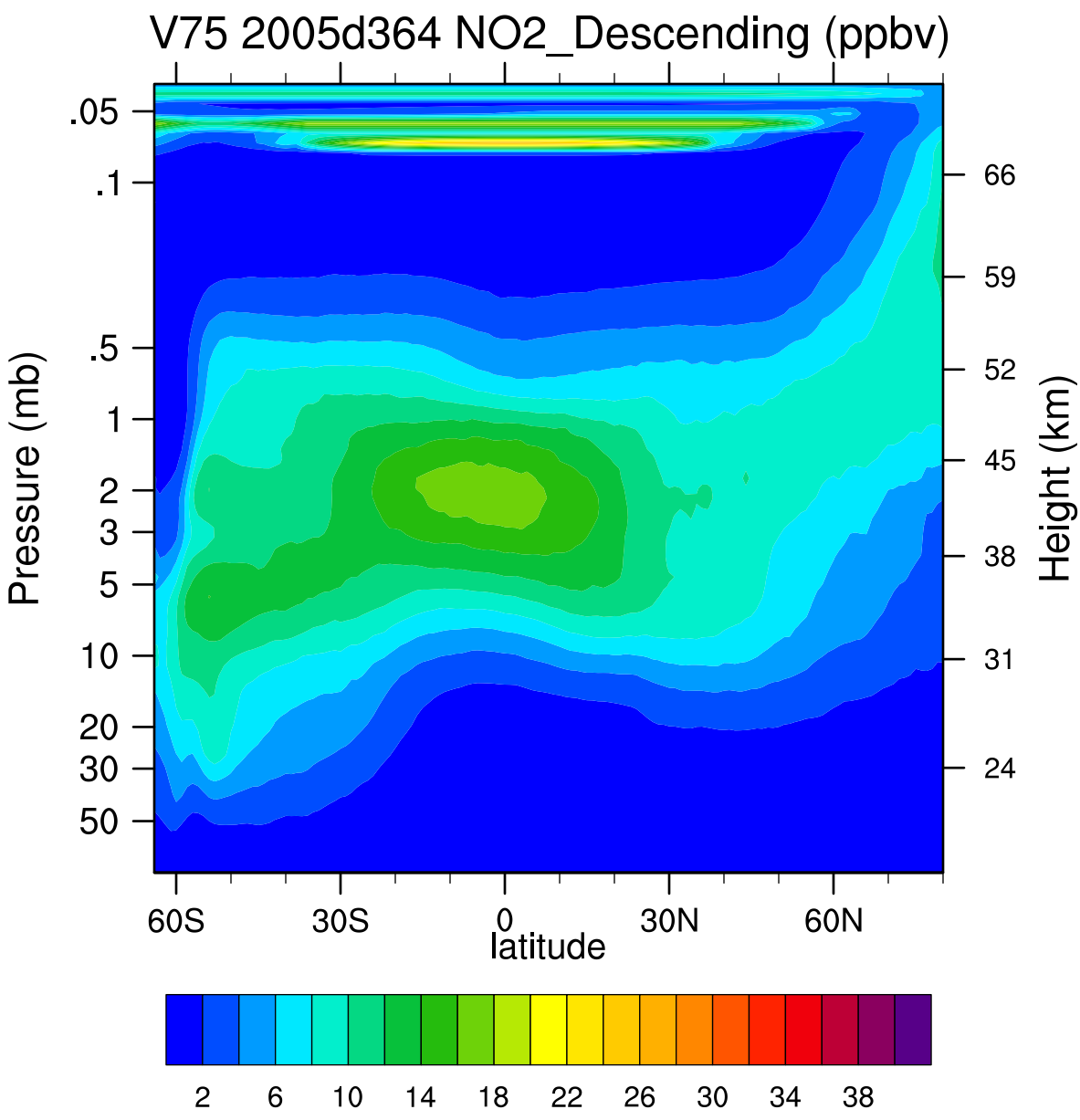
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Pressure (mb)
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Height (km)
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52
45
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30S
0
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60N
latitude
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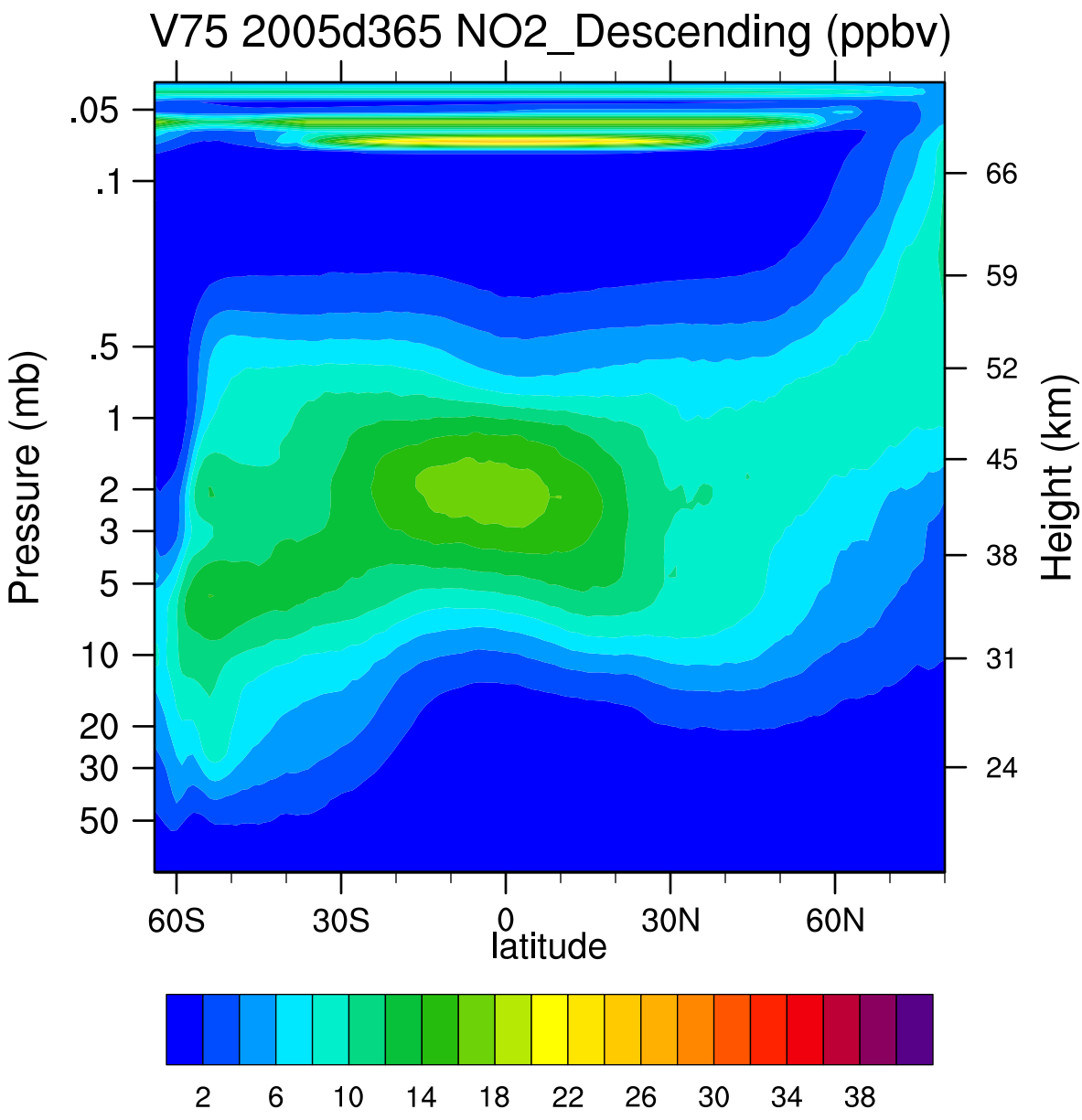
V75 2005d365 NO2_Descending (ppbv)
Pressure (mb)
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5
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Height (km)
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59
52
45
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24
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30S
0
30N
60N
latitude
2
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18
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26
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34
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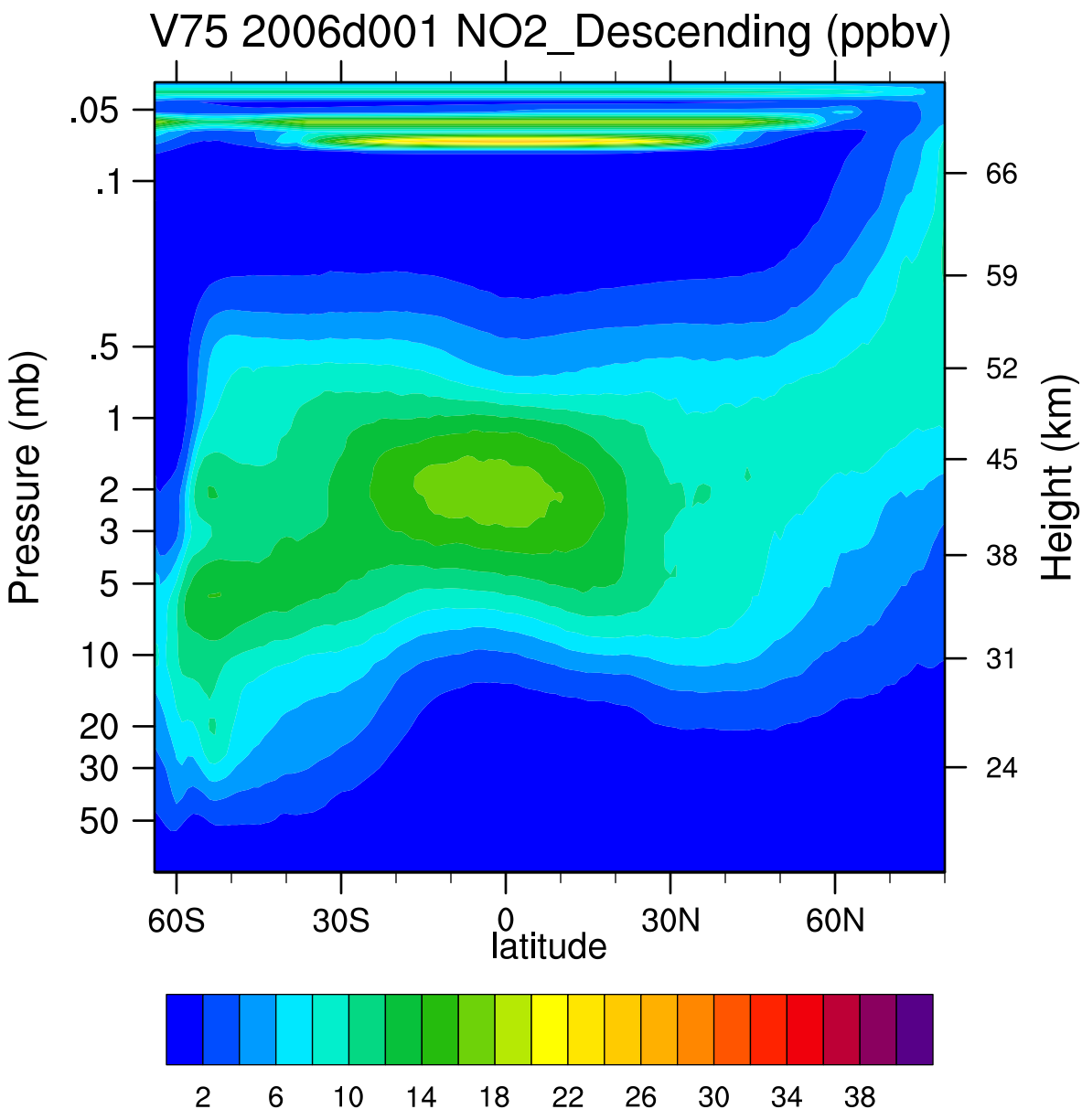
V75 2006d001 NO2_Descending (ppbv)
Pressure (mb)
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2
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5
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Height (km)
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59
52
45
38
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24
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30S
0
30N
60N
latitude
2
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10
14
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26
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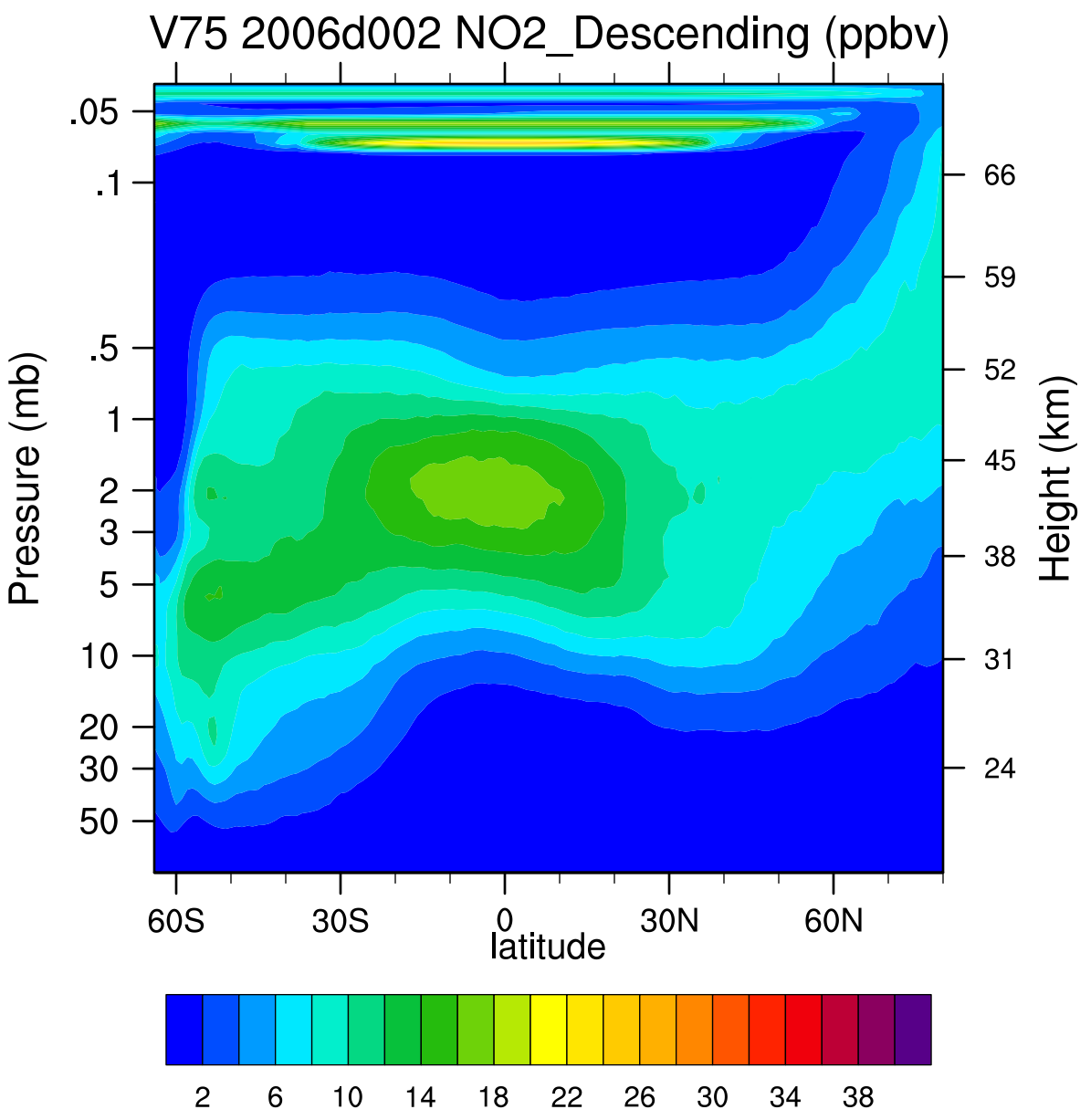
V75 2006d002 NO2_Descending (ppbv)
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2
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30
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Pressure (mb)
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59
52
45
38
31
24
Height (km)
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30S
0
30N
60N
latitude
2
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10
14
18
22
26
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34
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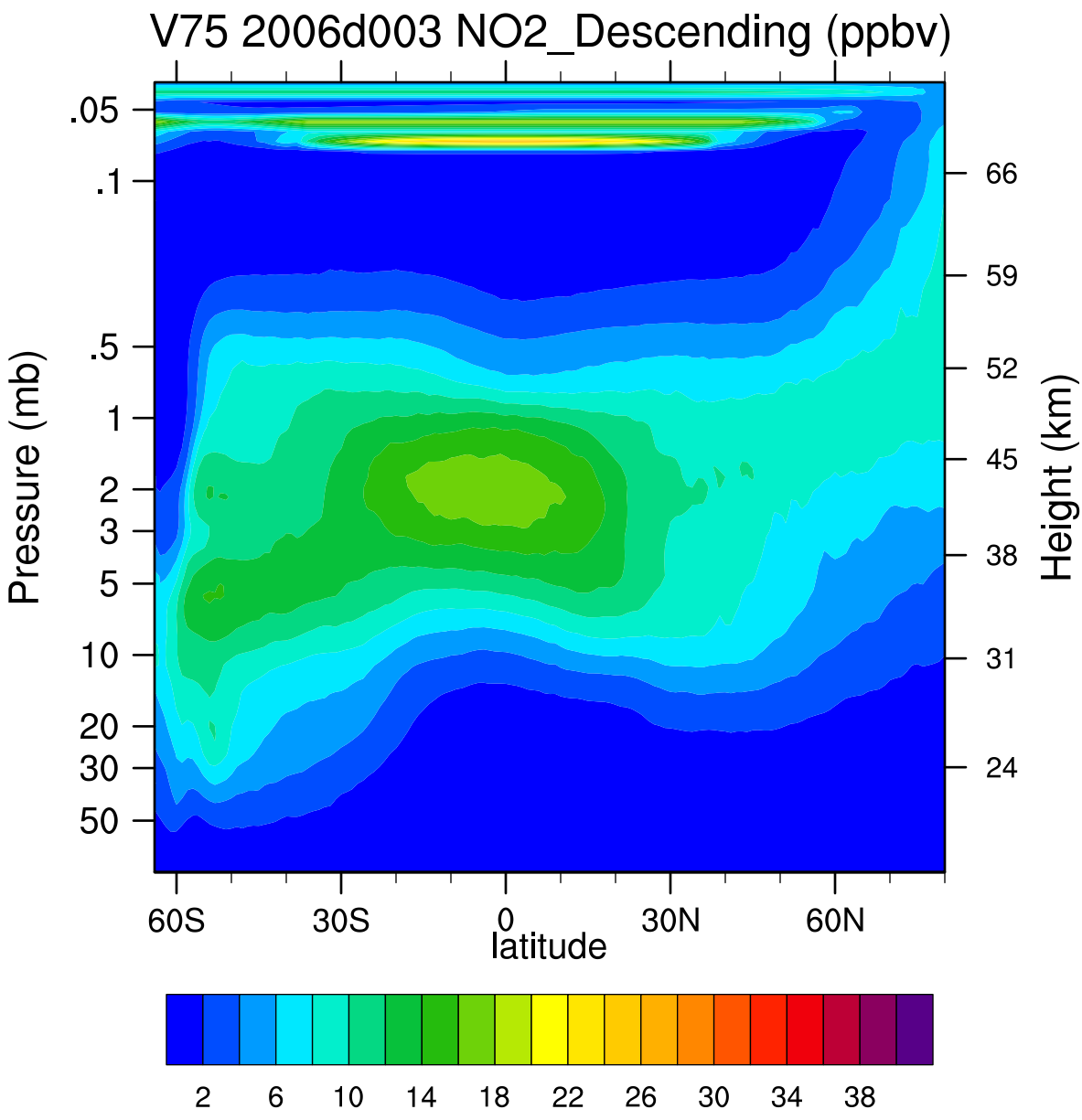
V75 2006d003 NO2_Descending (ppbv)
Pressure (mb)
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2
3
5
10
20
30
50
Height (km)
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52
45
38
31
24
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30S
0
30N
60N
latitude
2
6
10
14
18
22
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34
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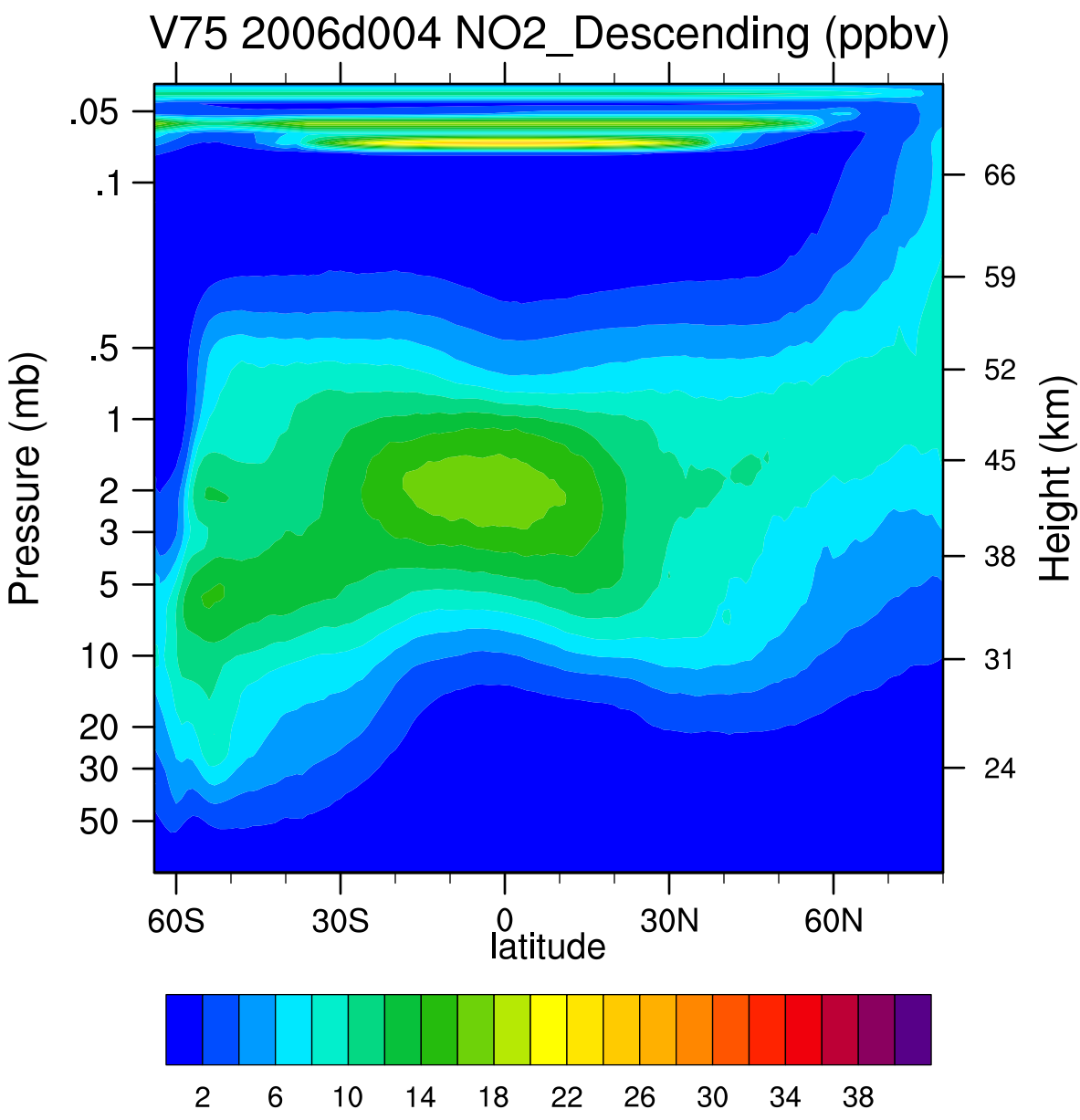
V75 2006d004 NO2_Descending (ppbv)
Pressure (mb)
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.5
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2
3
5
10
20
30
50
Height (km)
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59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
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14
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22
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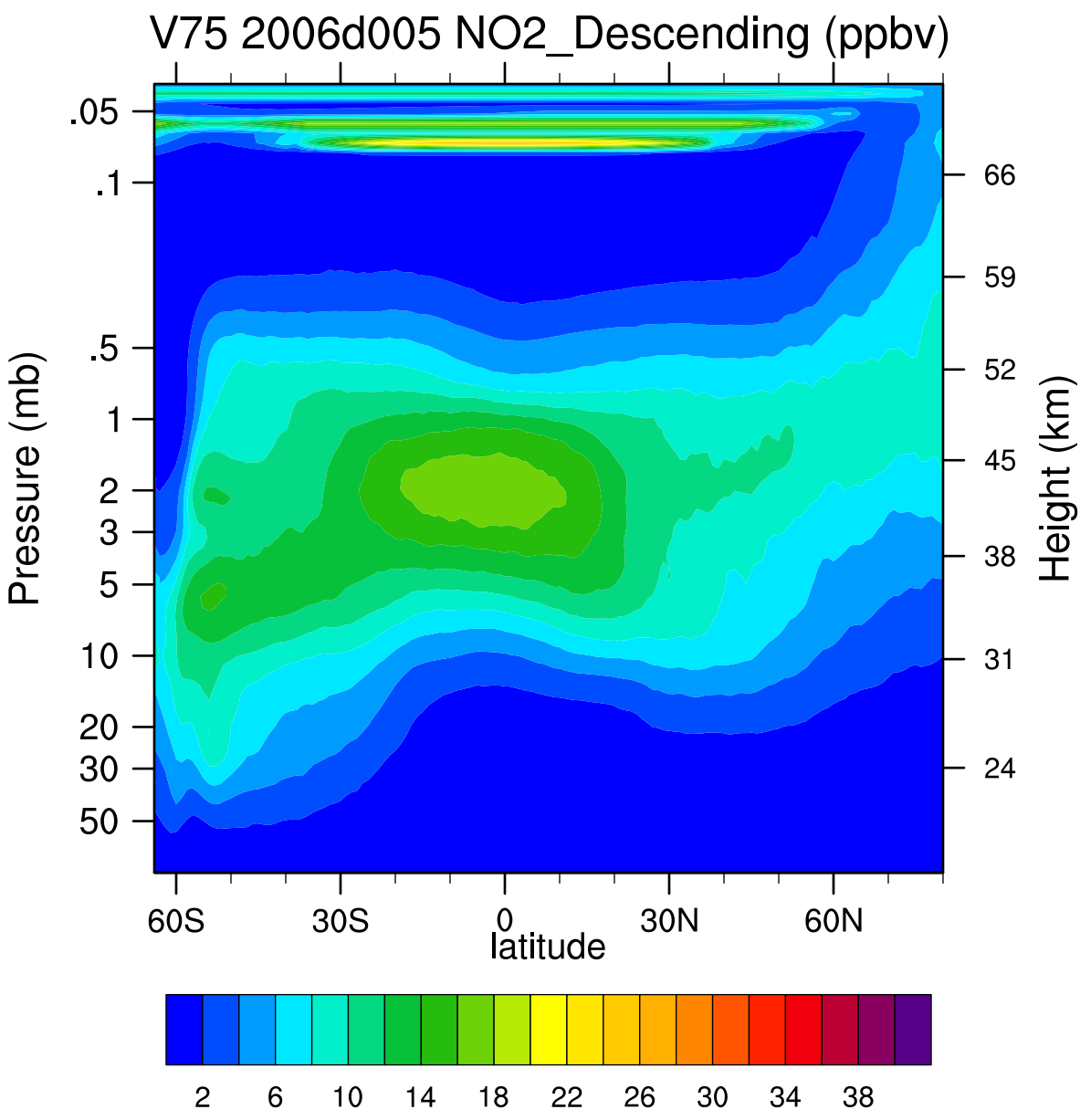
34
38


V75 2006d005 NO2_Descending (ppbv)
Pressure (mb)
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.1
.5
1
2
3
5
10
20
30
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Height (km)
66
59
52
45
38
31
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30S
0
30N
60N
latitude
2
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10
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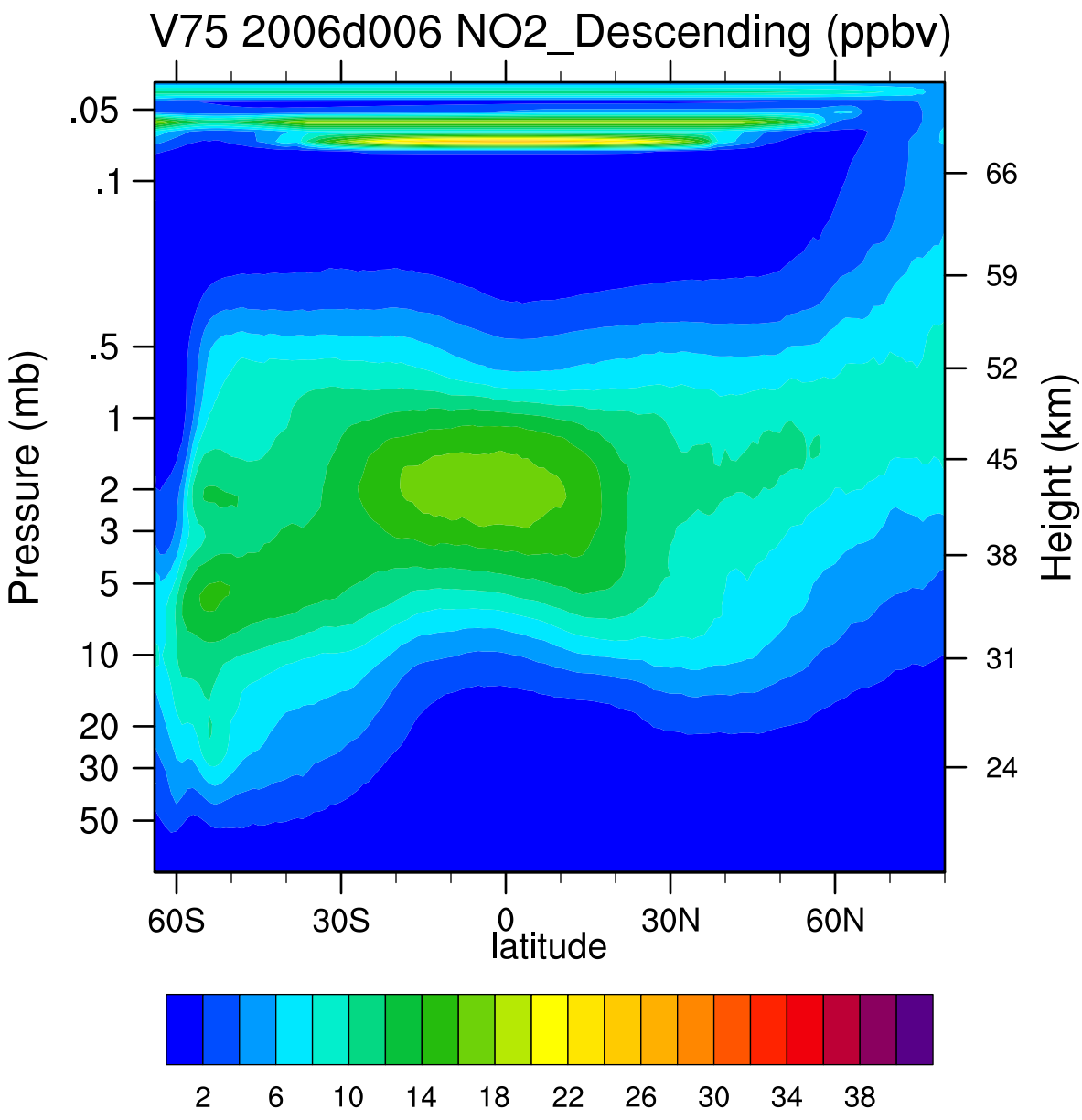
V75 2006d006 NO2_Descending (ppbv)
Pressure (mb)
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.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
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34
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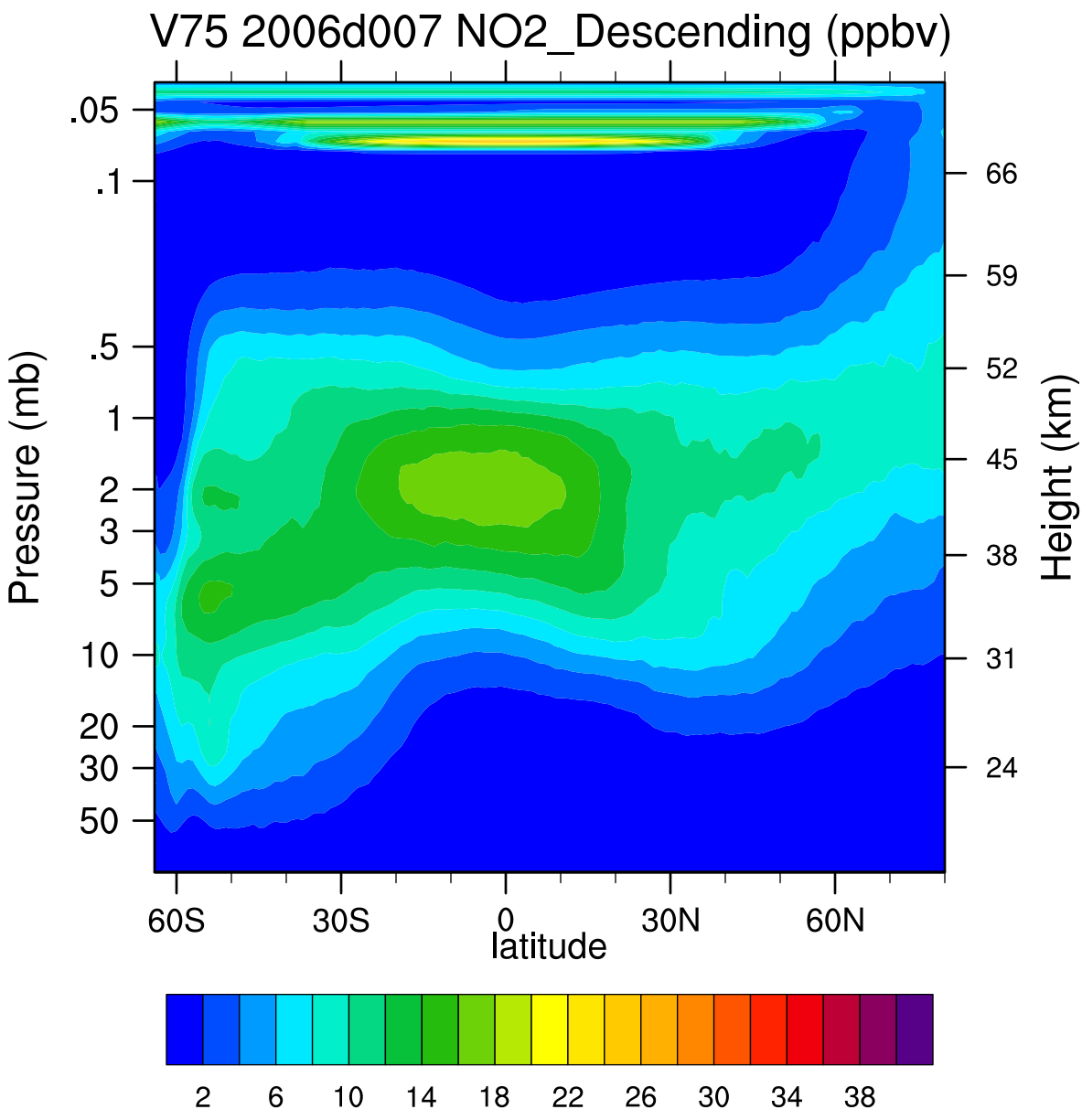
V75 2006d007 NO2_Descending (ppbv)
Pressure (mb)
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.1
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1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
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10
14
18
22
26
30
34
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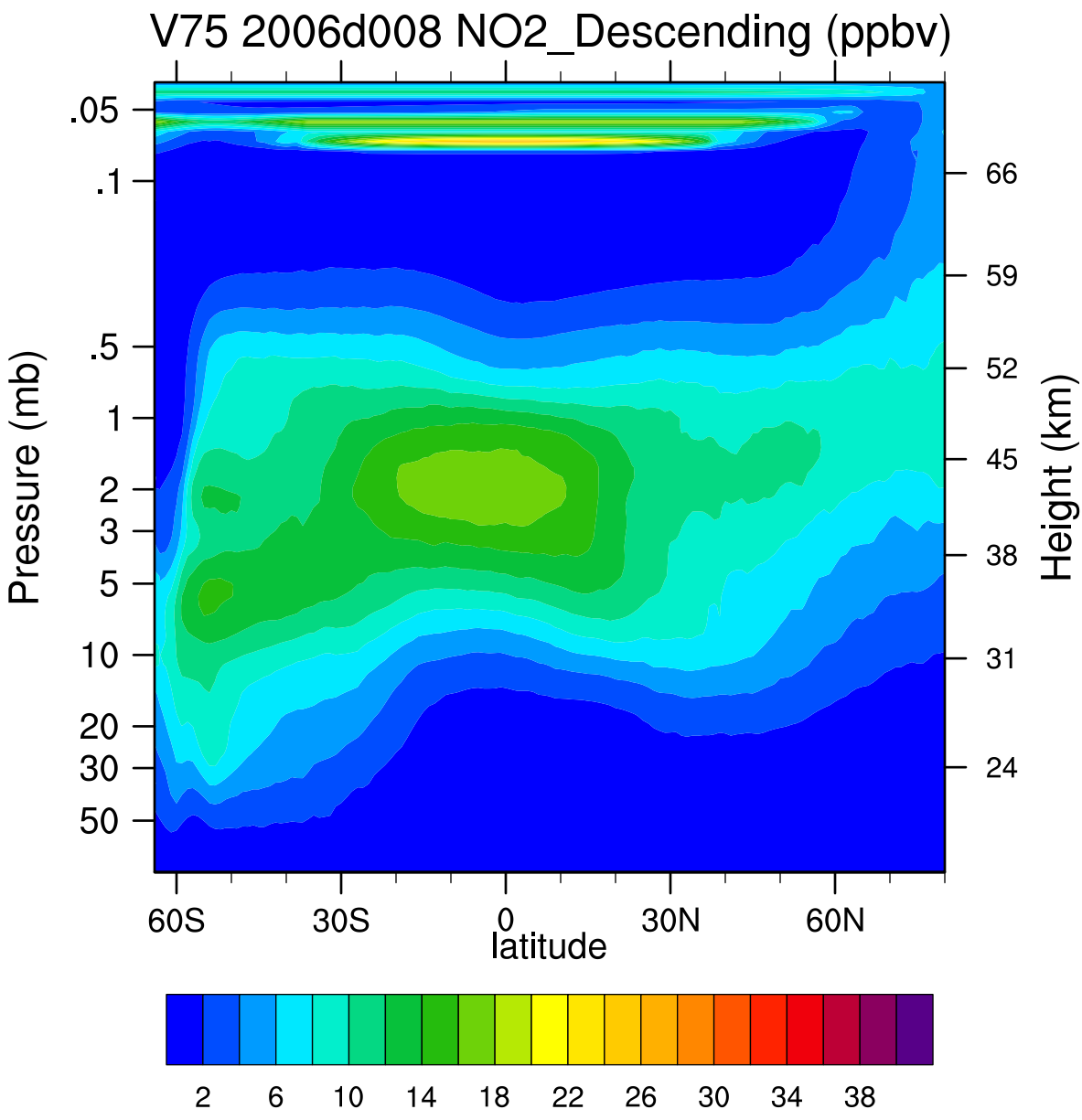
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Pressure (mb)
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1
2
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5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
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10
14
18
22
26
30
34
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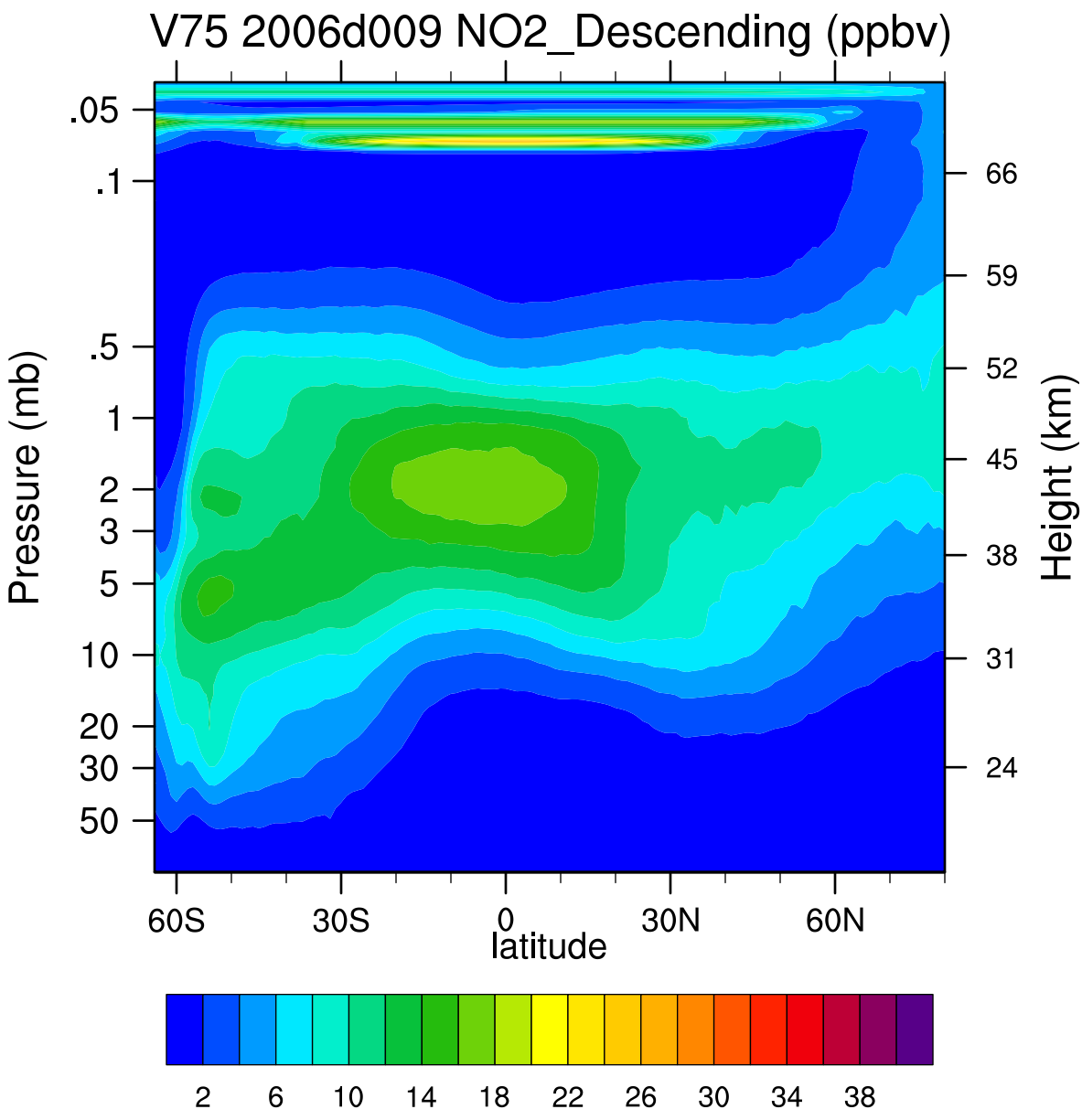
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Pressure (mb)
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5
10
20
30
50
Height (km)
66
59
52
45
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30S
0
30N
60N
latitude
2
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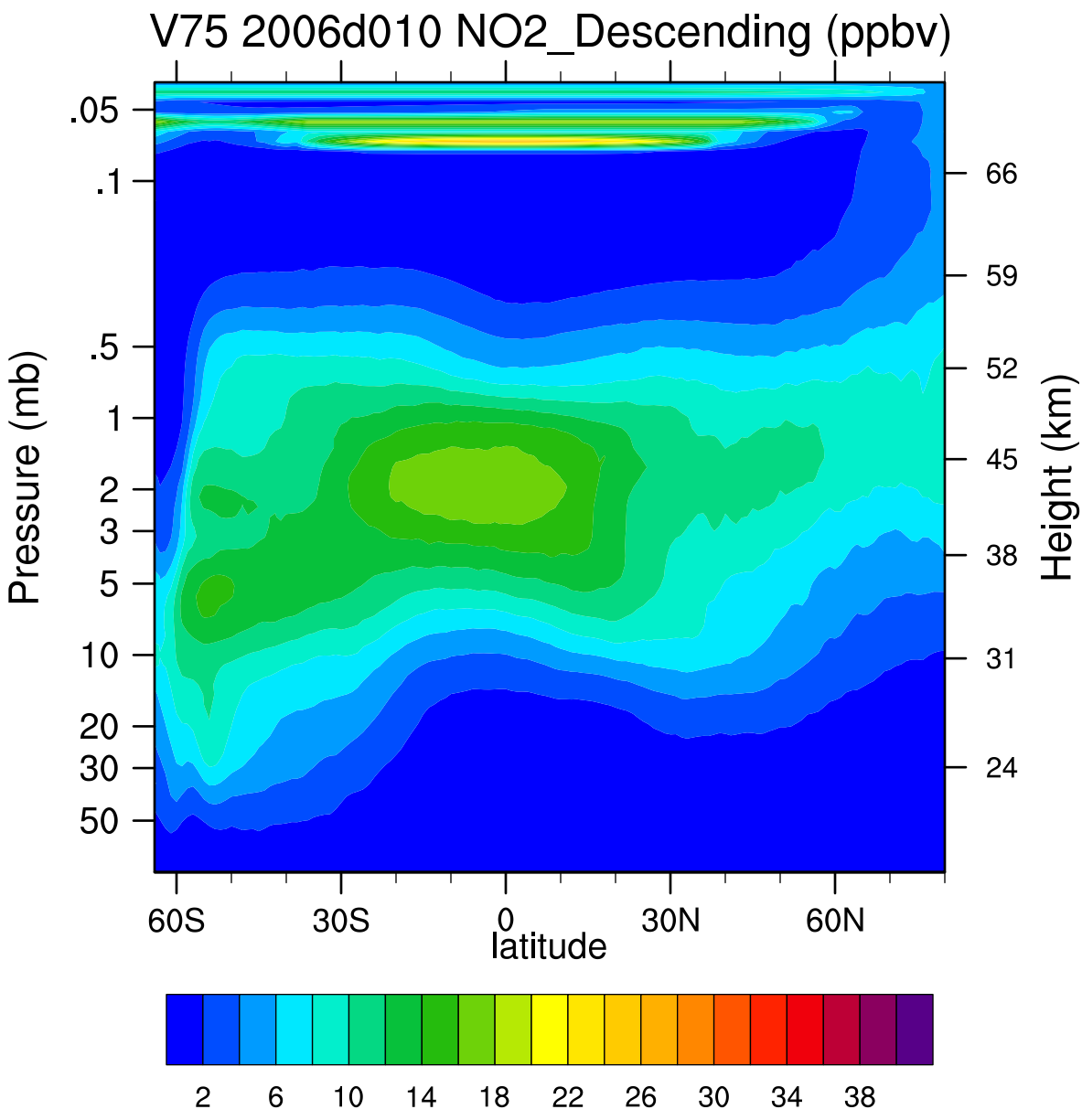
V75 2006d010 NO2_Descending (ppbv)
Pressure (mb)
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2
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5
10
20
30
50
Height (km)
66
59
52
45
38
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24
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30S
0
30N
60N
latitude
2
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10
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26
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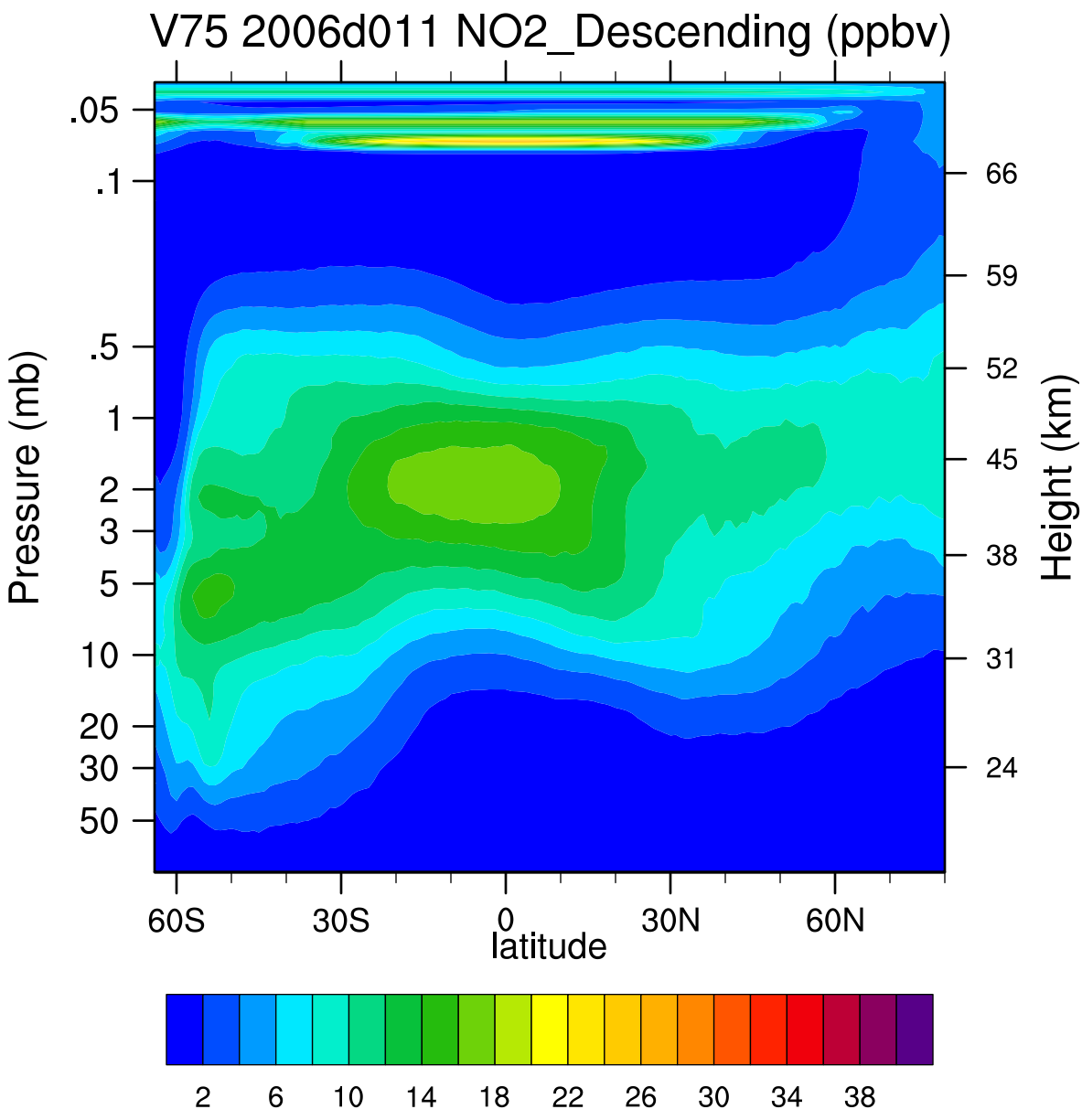
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Pressure (mb)
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2
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5
10
20
30
50
Height (km)
66
59
52
45
38
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30S
0
30N
60N
latitude
2
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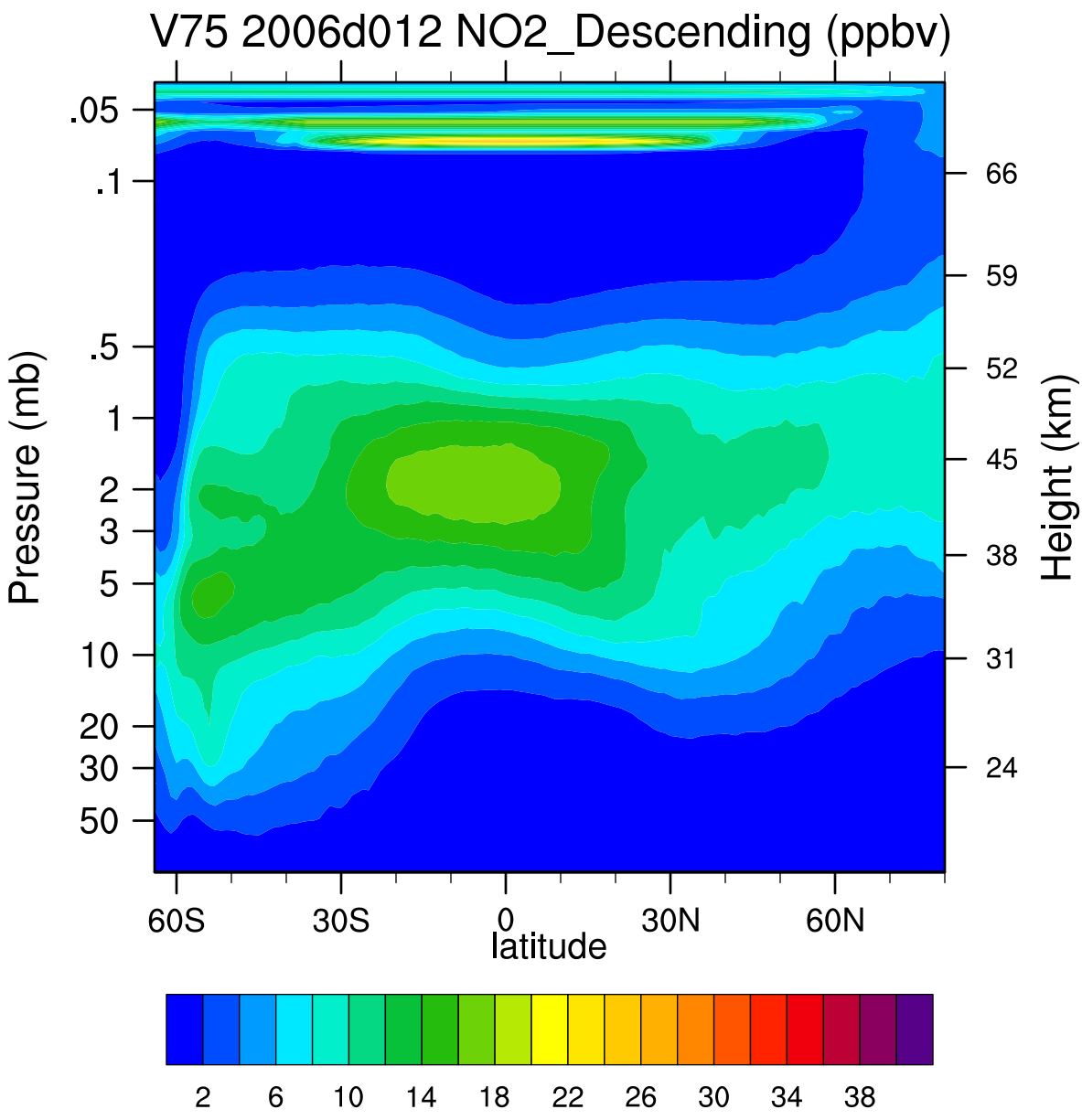
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Pressure (mb)
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30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
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10
14
18
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26
30
34
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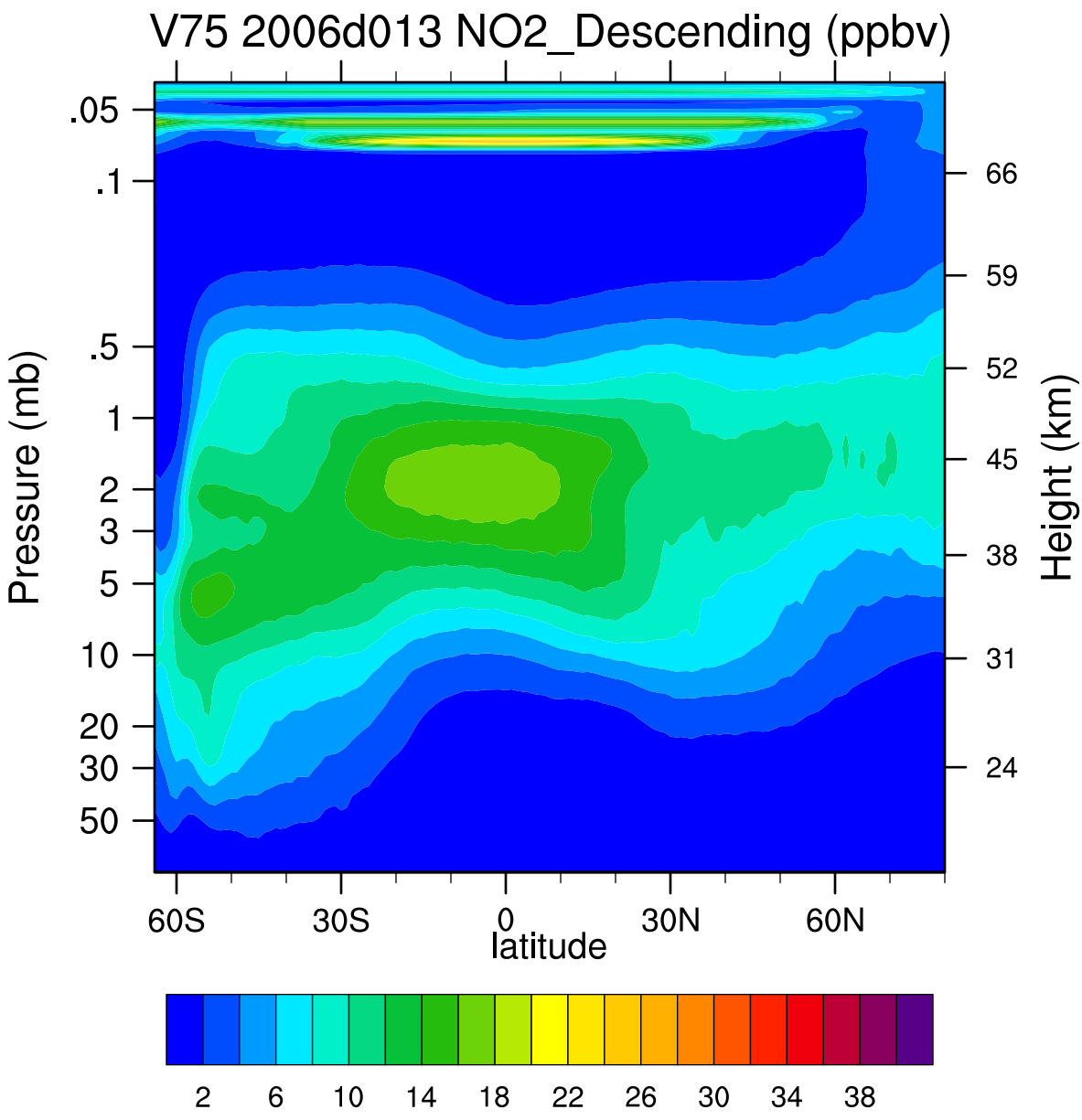
V75 2006d013 NO2_Descending (ppbv)
Pressure (mb)
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5
10
20
30
50
Height (km)
66
59
52
45
38
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24
60S
30S
0
30N
60N
latitude
2
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10
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26
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34
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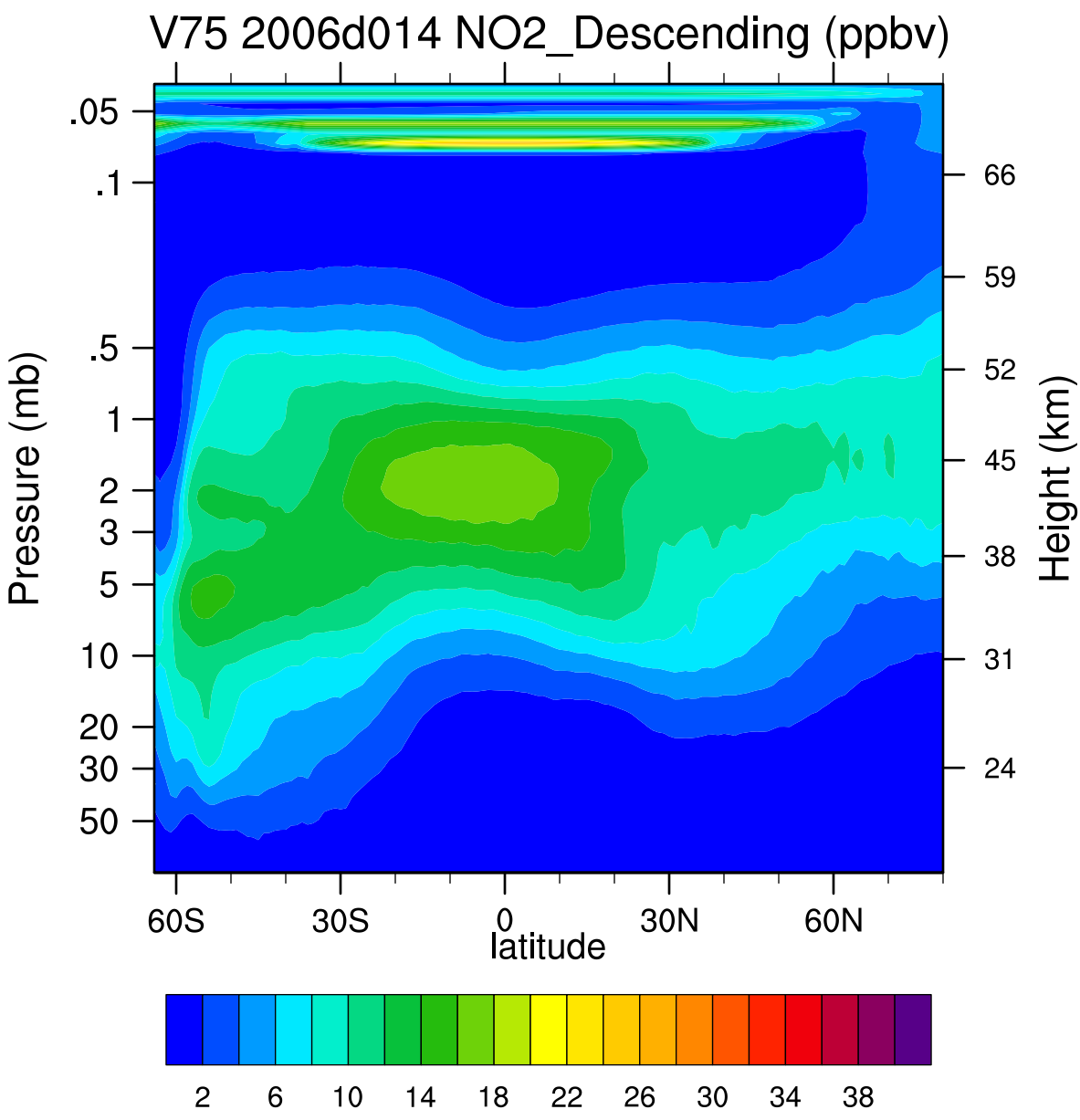
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Pressure (mb)
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Height (km)
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59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
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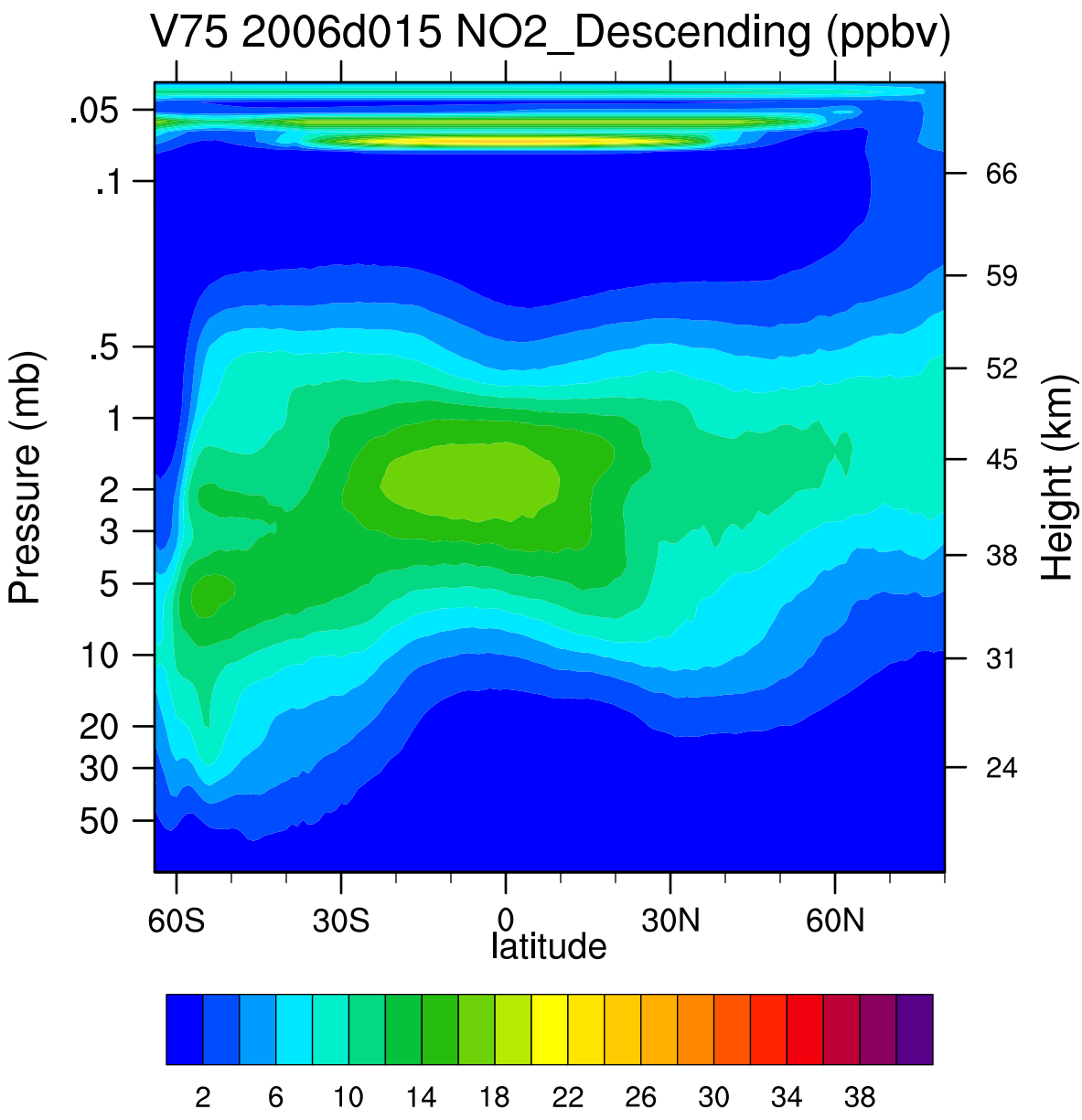
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Pressure (mb)
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.5
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5
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Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
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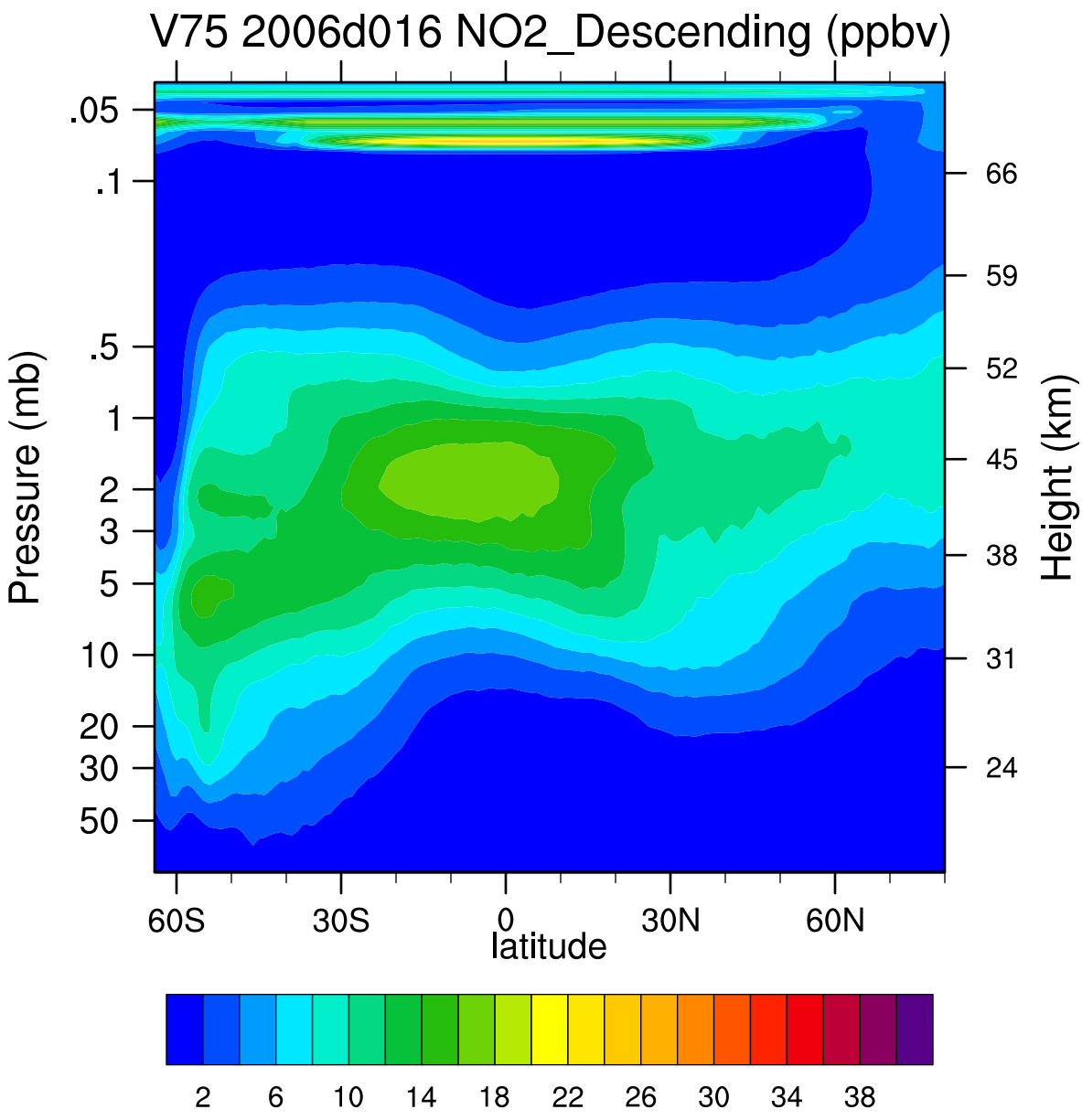
V75 2006d016 NO2_Descending (ppbv)
Pressure (mb)
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.5
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2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
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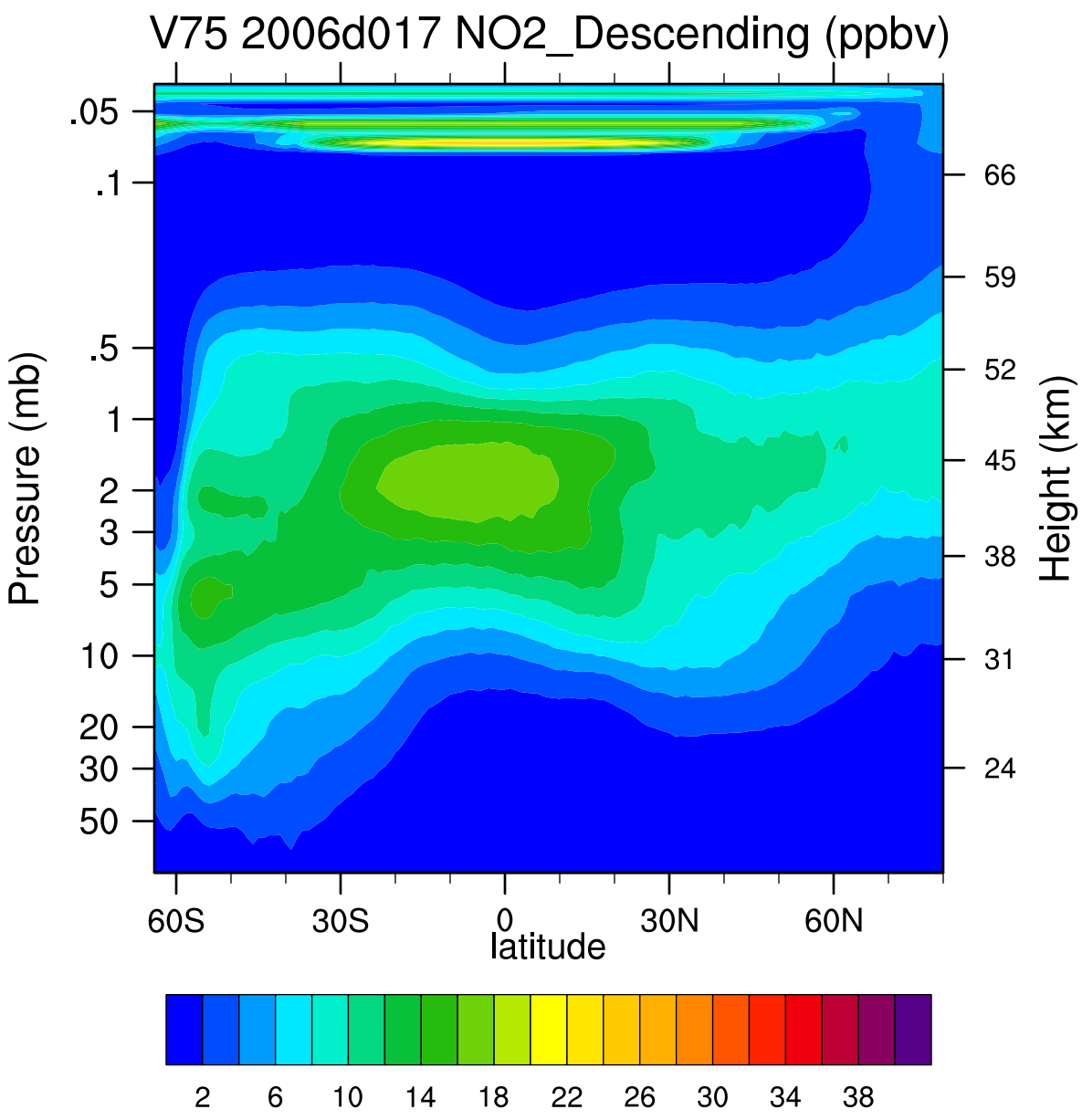
V75 2006d017 NO2_Descending (ppbv)
Pressure (mb)
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.5
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2
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5
10
20
30
50
Height (km)
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59
52
45
38
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30S
0
30N
60N
latitude
2
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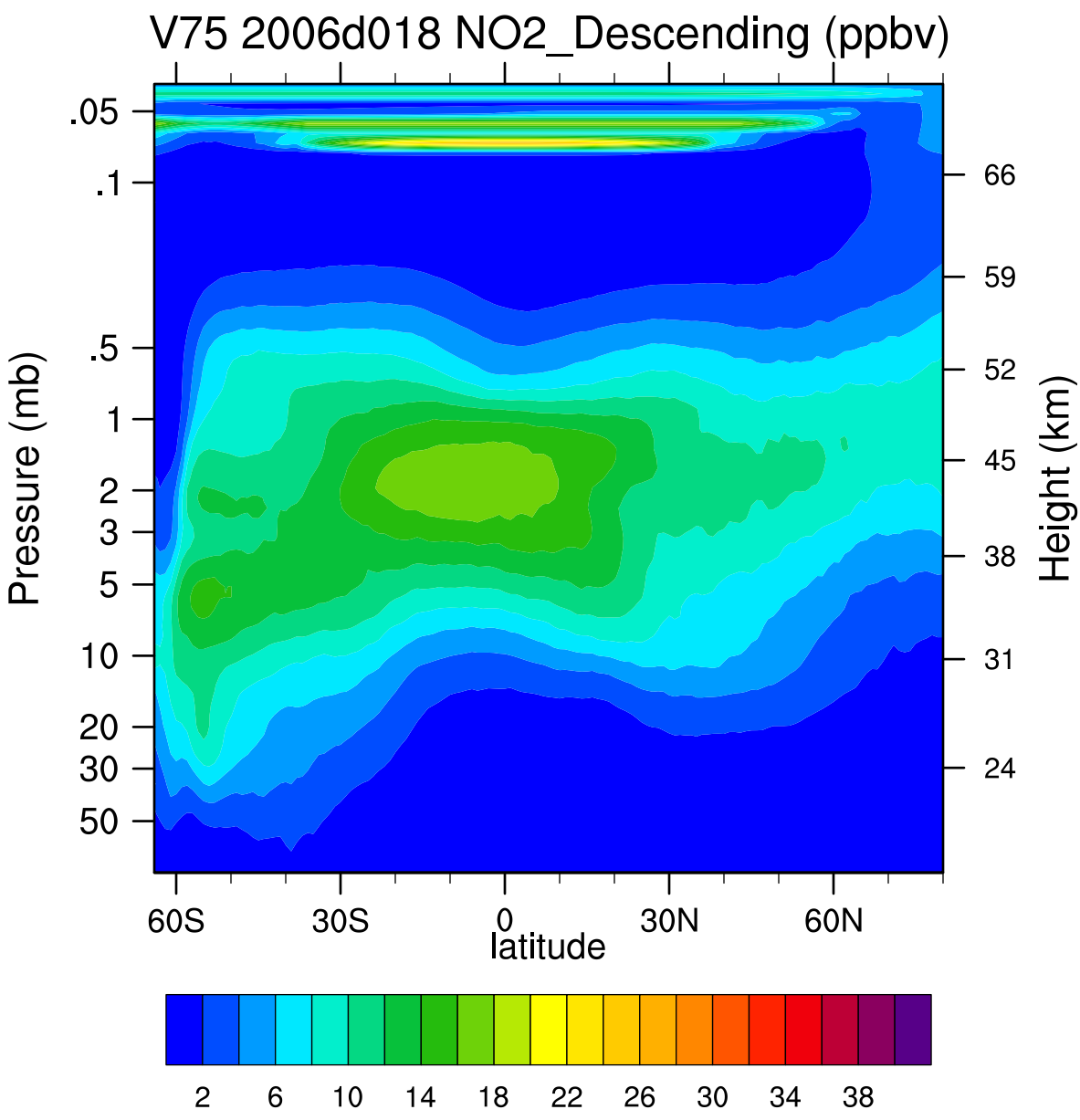
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.5
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2
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Pressure (mb)
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59
52
45
38
31
24
Height (km)
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30S
0
30N
60N
latitude
2
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10
14
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26
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34
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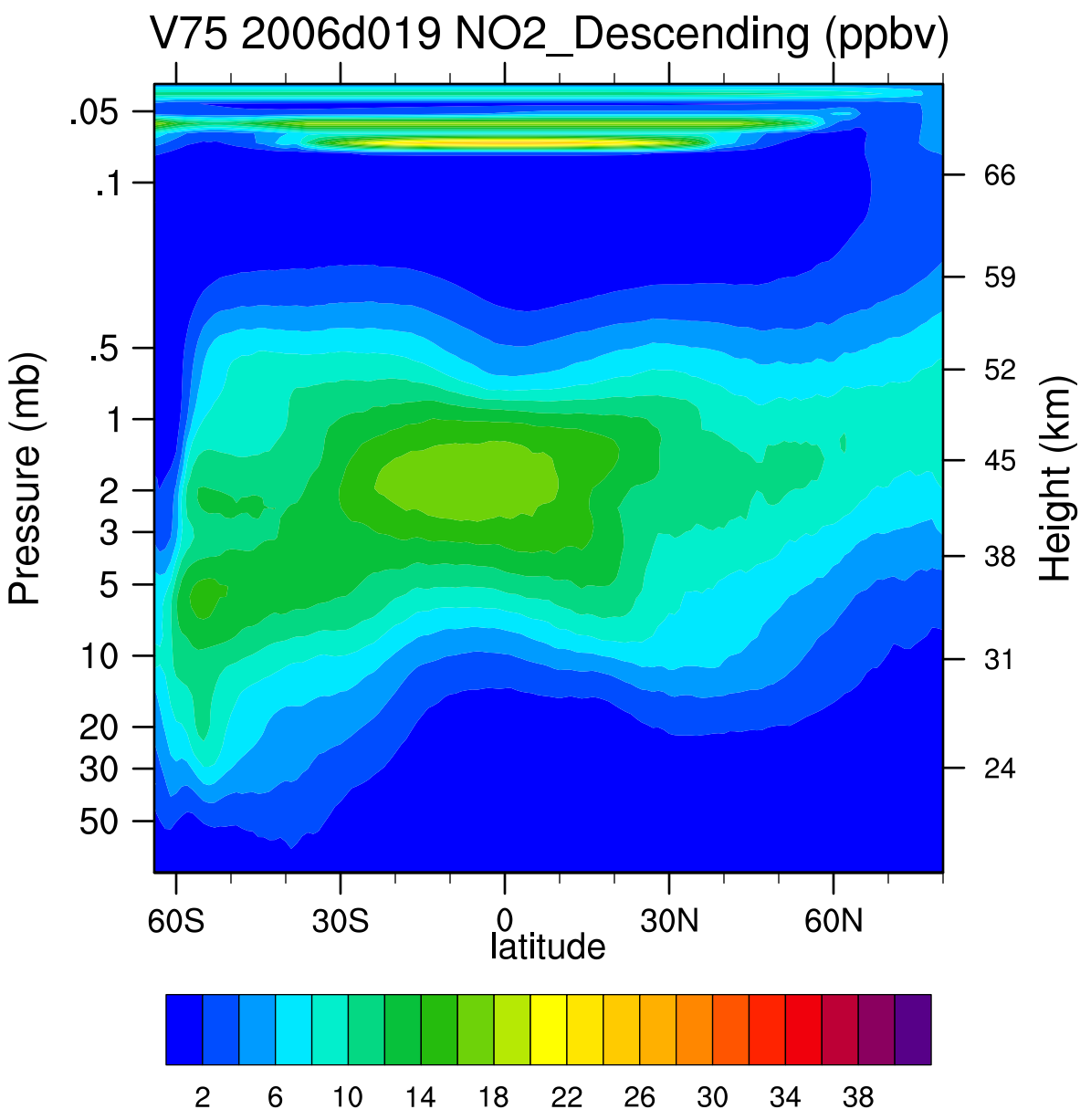
V75 2006d019 NO2_Descending (ppbv)
Pressure (mb)
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Height (km)
66
59
52
45
38
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24
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30S
0
30N
60N
latitude
2
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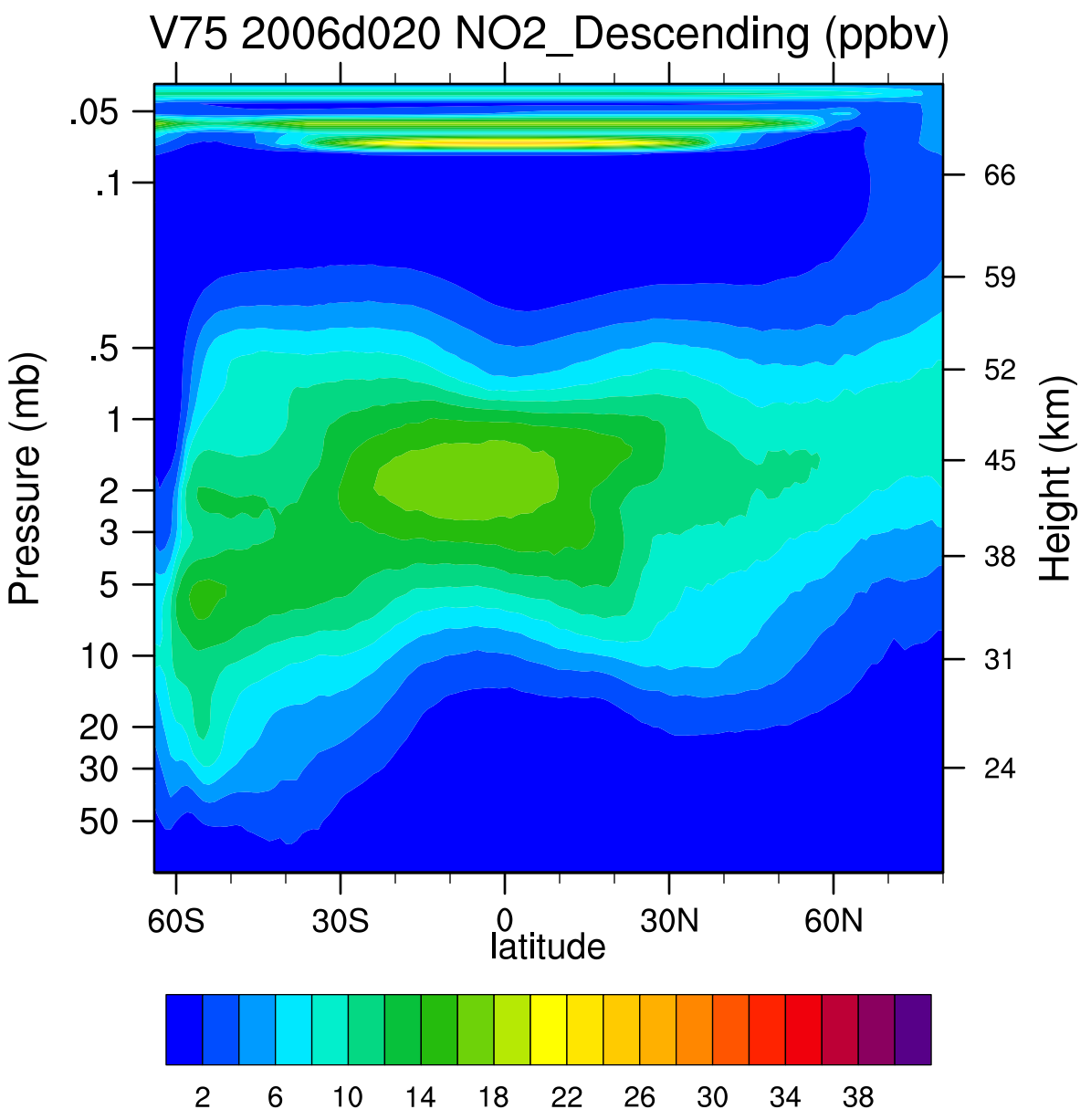
V75 2006d020 NO2_Descending (ppbv)
Pressure (mb)
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2
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5
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Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
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10
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18
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26
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34
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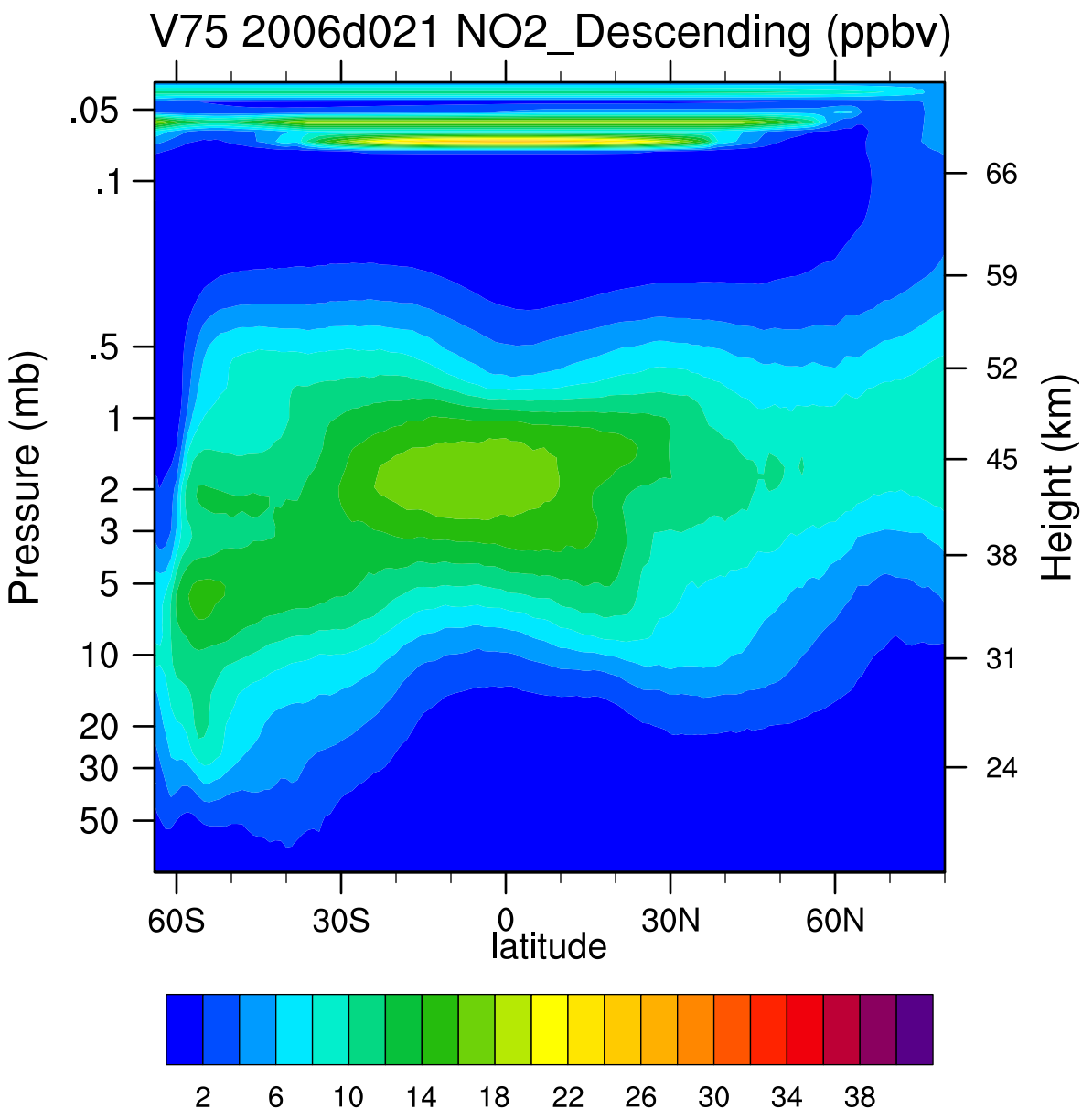
V75 2006d021 NO2_Descending (ppbv)
Pressure (mb)
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2
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30
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Height (km)
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59
52
45
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24
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30S
0
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60N
latitude
2
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14
18
22
26
30
34
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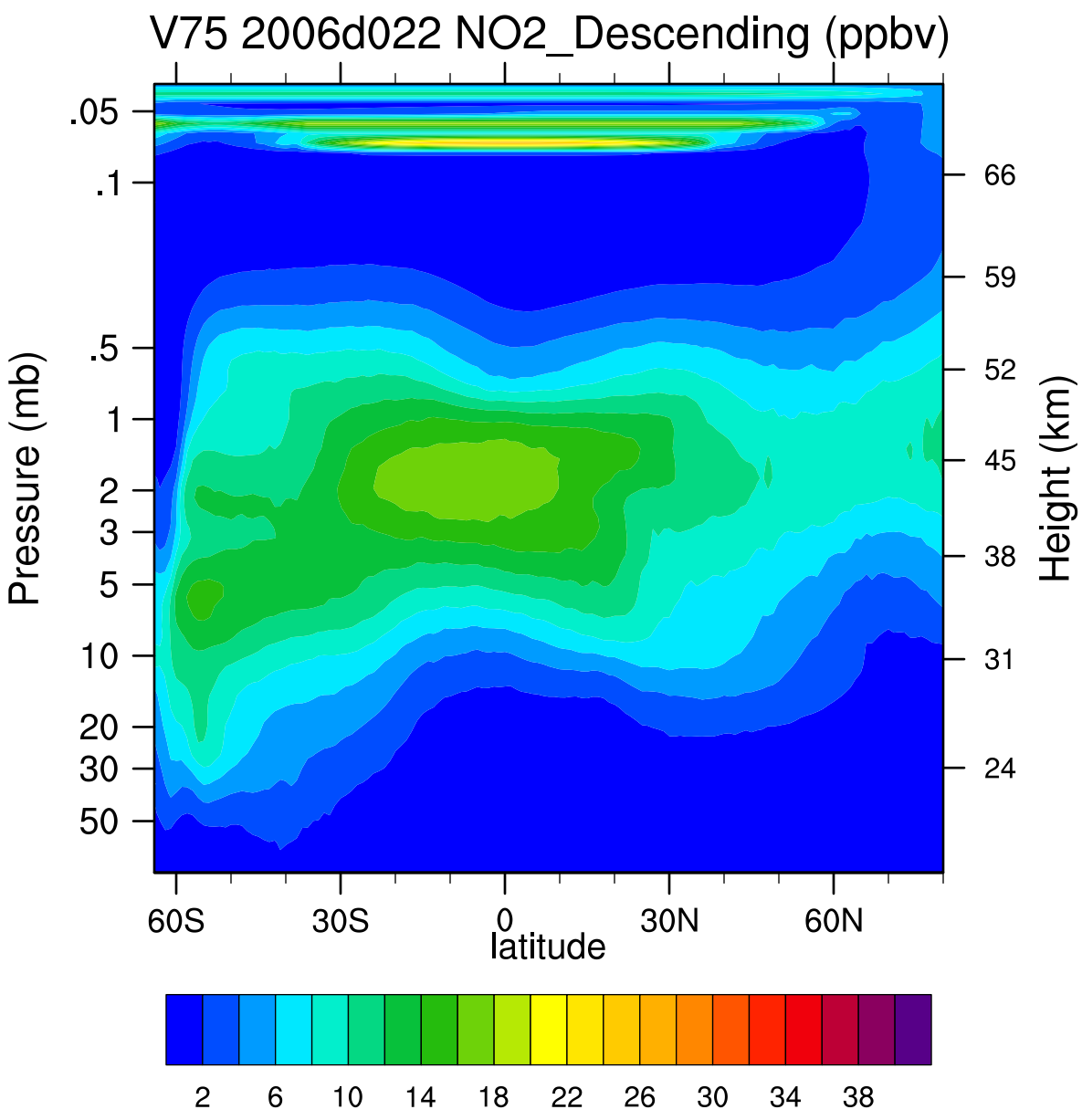
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.5
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Height (km)
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59
52
45
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60N
latitude
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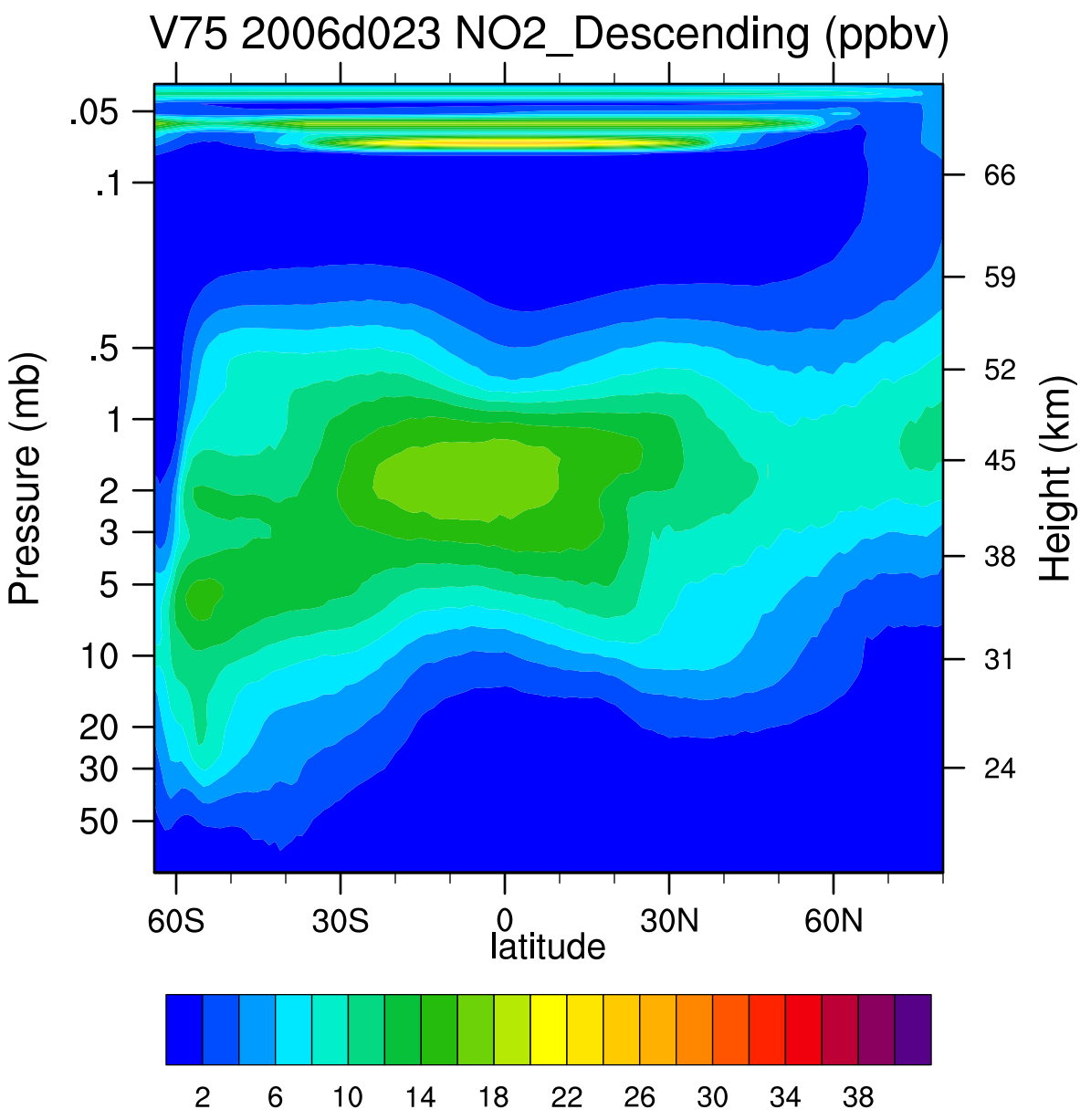
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Height (km)
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59
52
45
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30S
0
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60N
latitude
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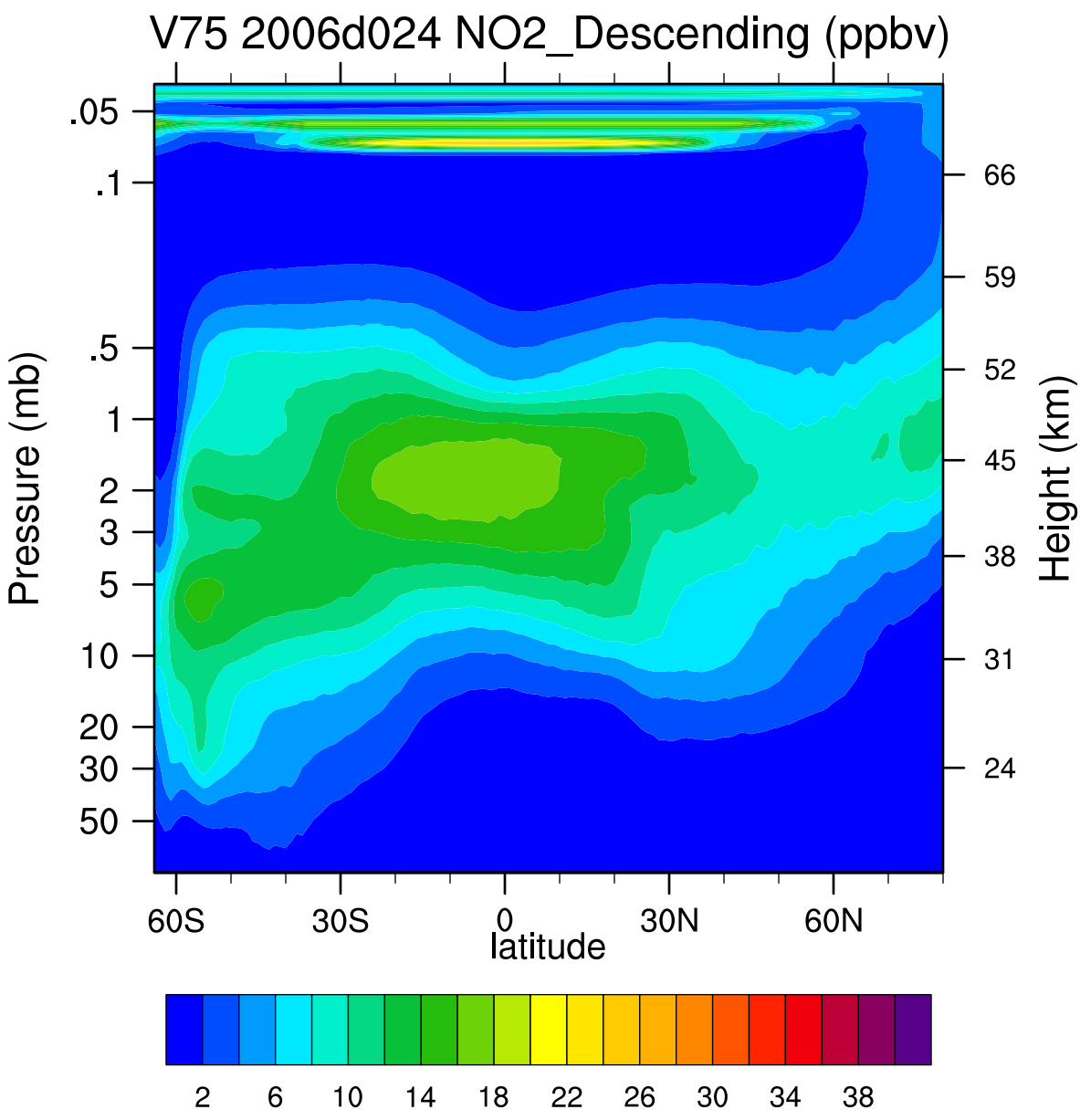
V75 2006d024 NO2_Descending (ppbv)
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Height (km)
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59
52
45
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0
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60N
latitude
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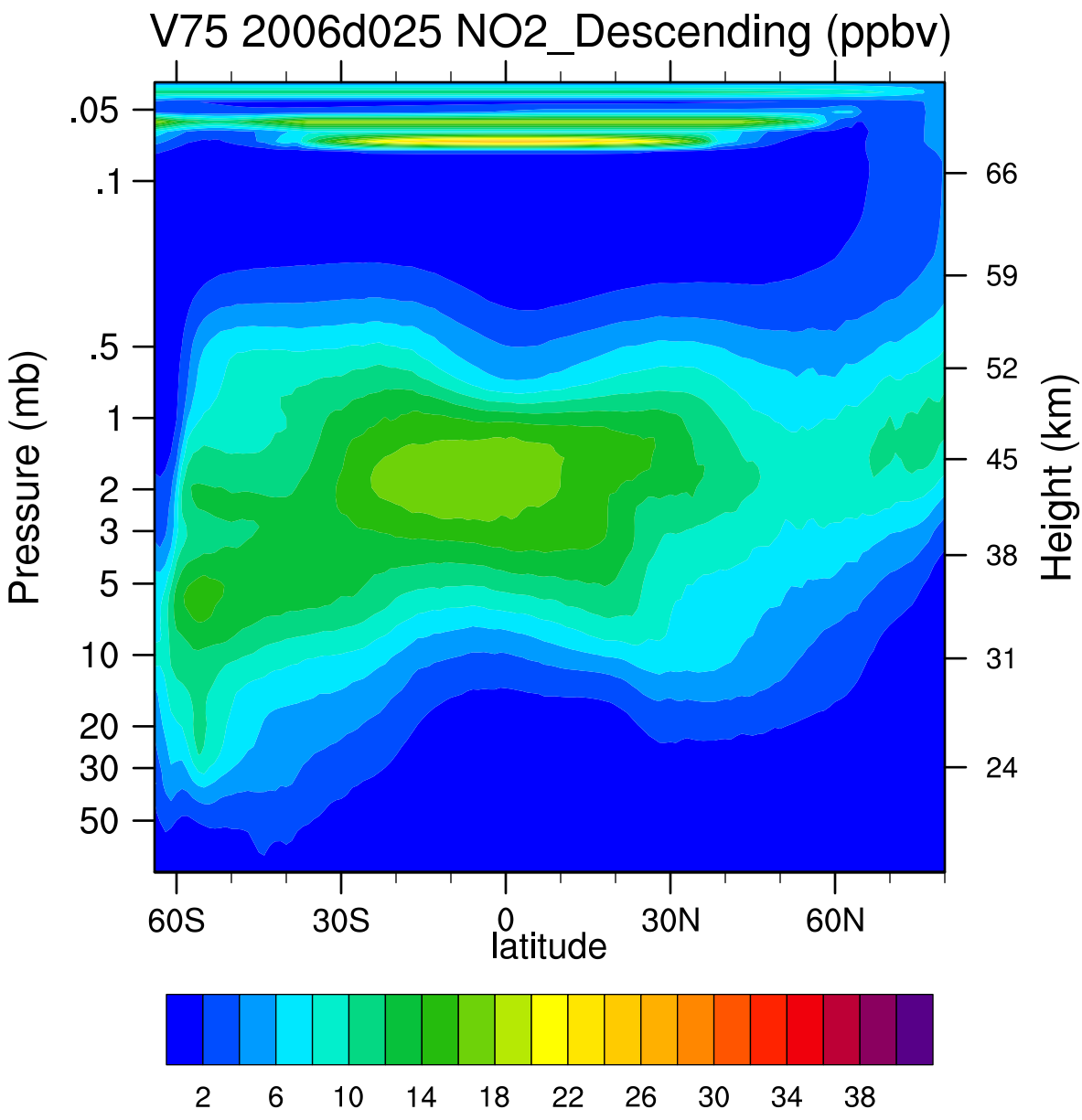
V75 2006d025 NO2_Descending (ppbv)
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Height (km)
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59
52
45
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0
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60N
latitude
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26
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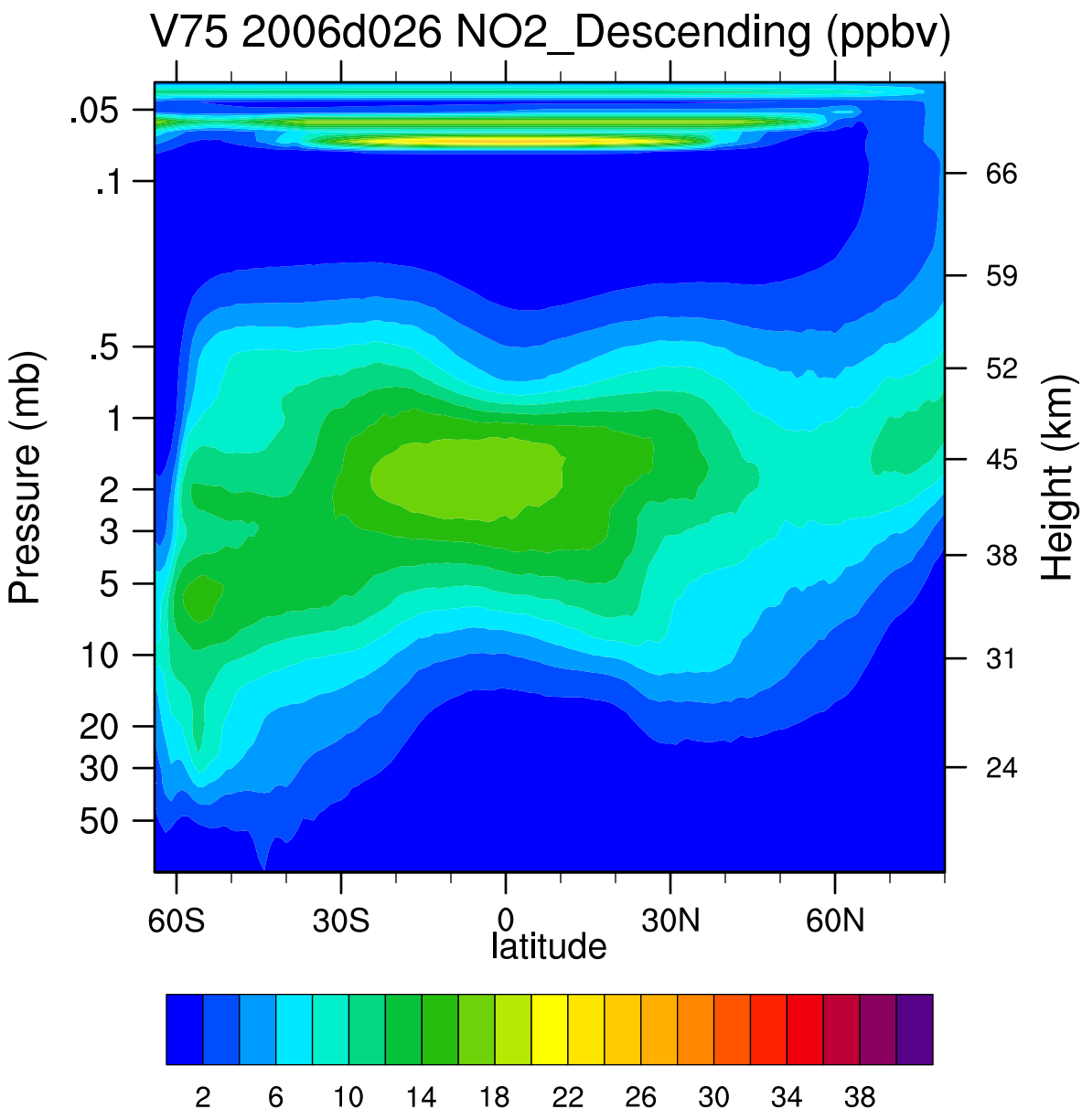
V75 2006d026 NO2_Descending (ppbv)
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Height (km)
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59
52
45
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24
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30S
0
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60N
latitude
2
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26
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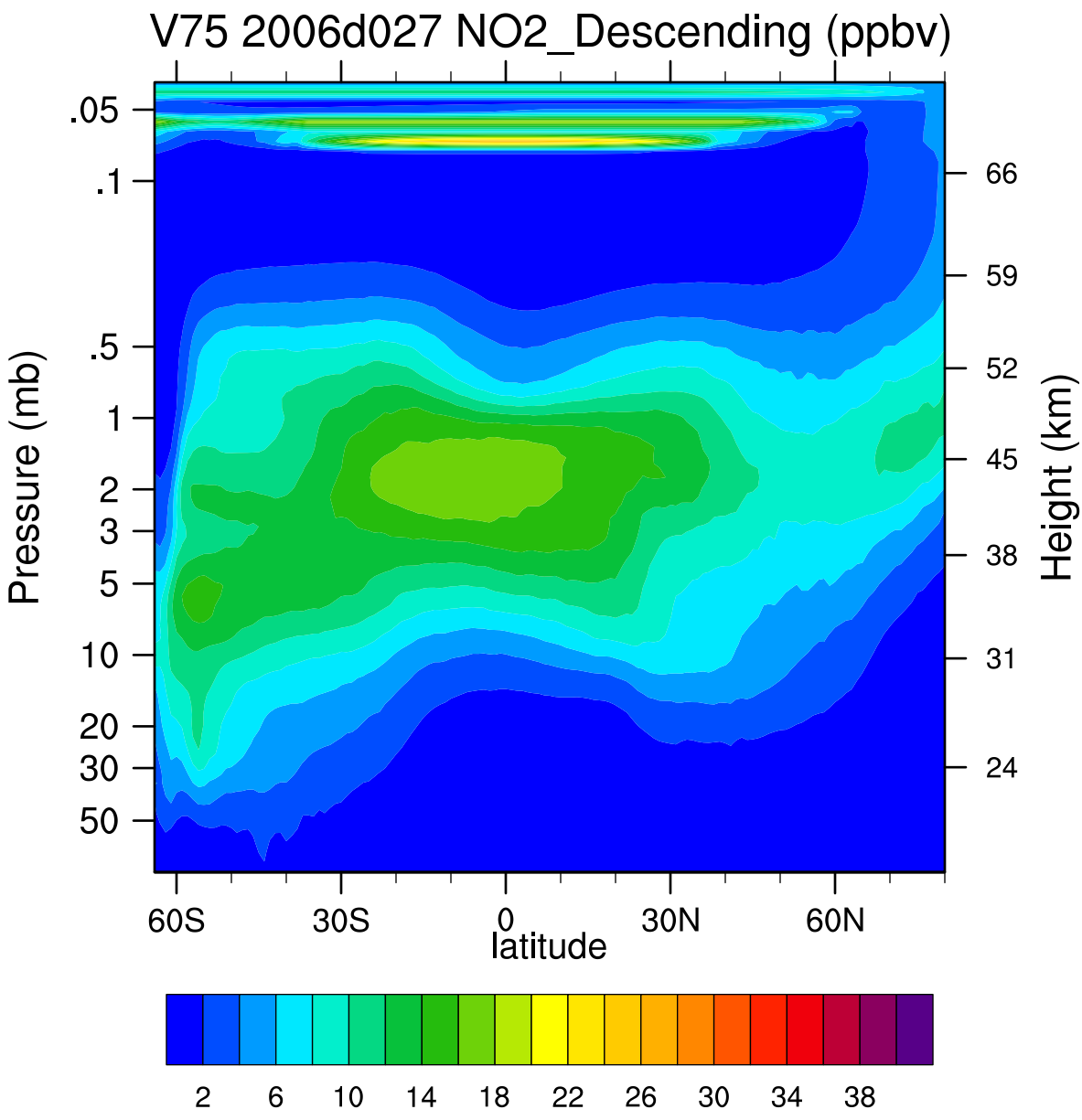
V75 2006d027 NO2_Descending (ppbv)
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5
10
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Height (km)
66
59
52
45
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30S
0
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60N
latitude
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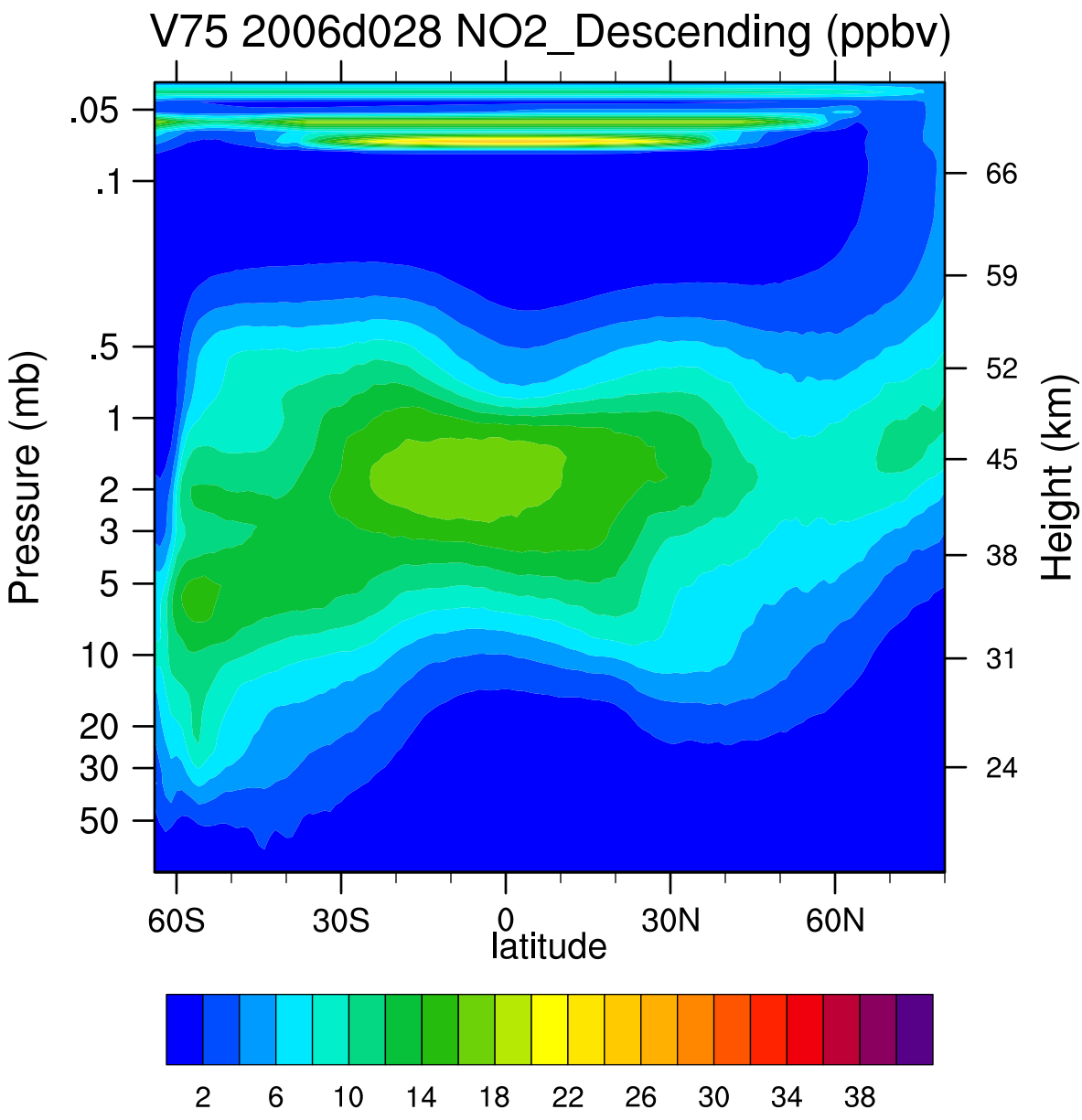
V75 2006d028 NO2_Descending (ppbv)
Pressure (mb)
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.5
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5
10
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30
50
Height (km)
66
59
52
45
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24
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30S
0
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60N
latitude
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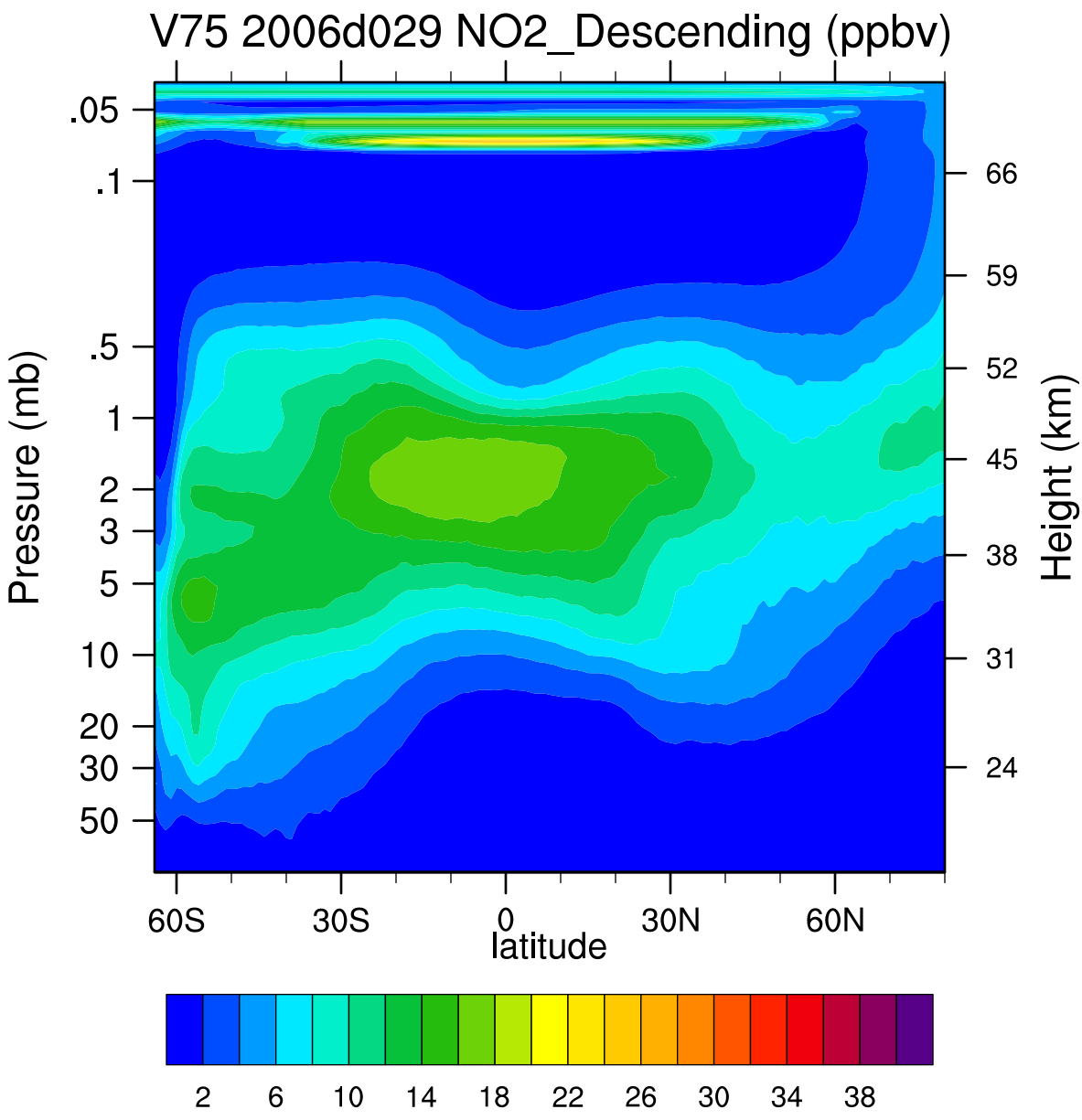
V75 2006d029 NO2_Descending (ppbv)
Pressure (mb)
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2
3
5
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30
50
Height (km)
66
59
52
45
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30S
0
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60N
latitude
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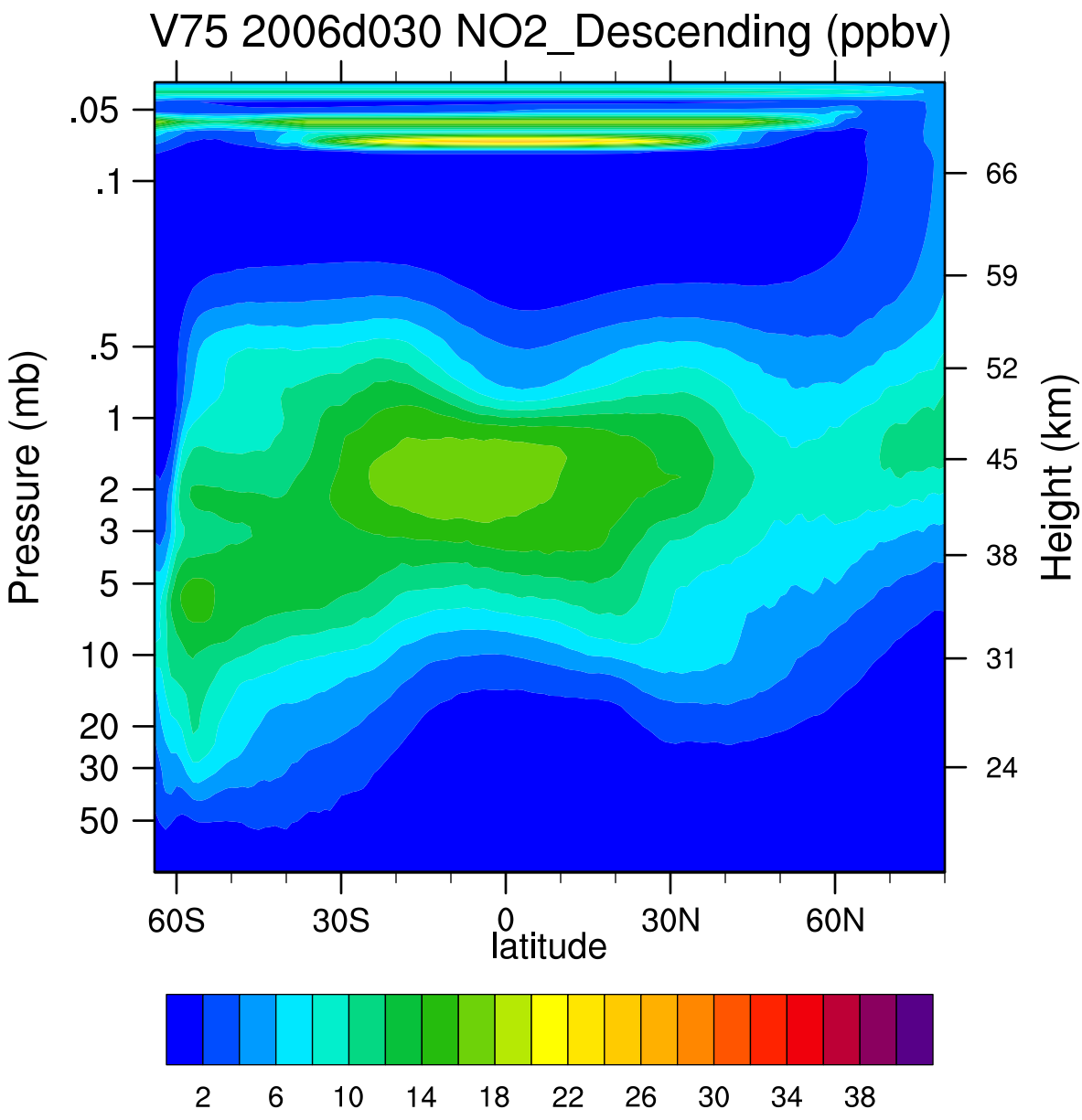
V75 2006d030 NO2_Descending (ppbv)
Pressure (mb)
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Height (km)
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52
45
38
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30S
0
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60N
latitude
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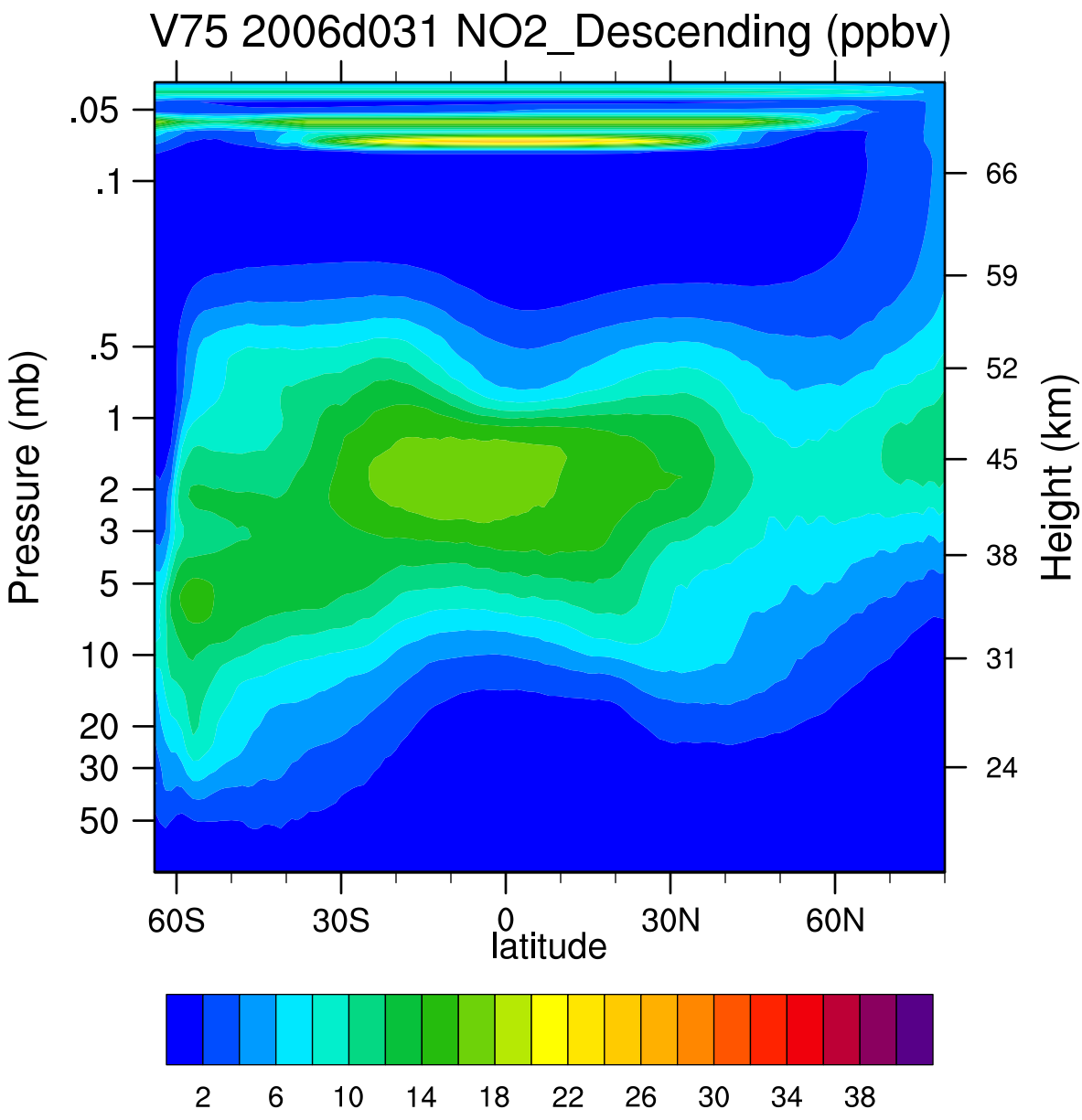
V75 2006d031 NO2_Descending (ppbv)
Pressure (mb)
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3
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30
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Height (km)
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59
52
45
38
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24
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30S
0
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60N
latitude
2
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18
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26
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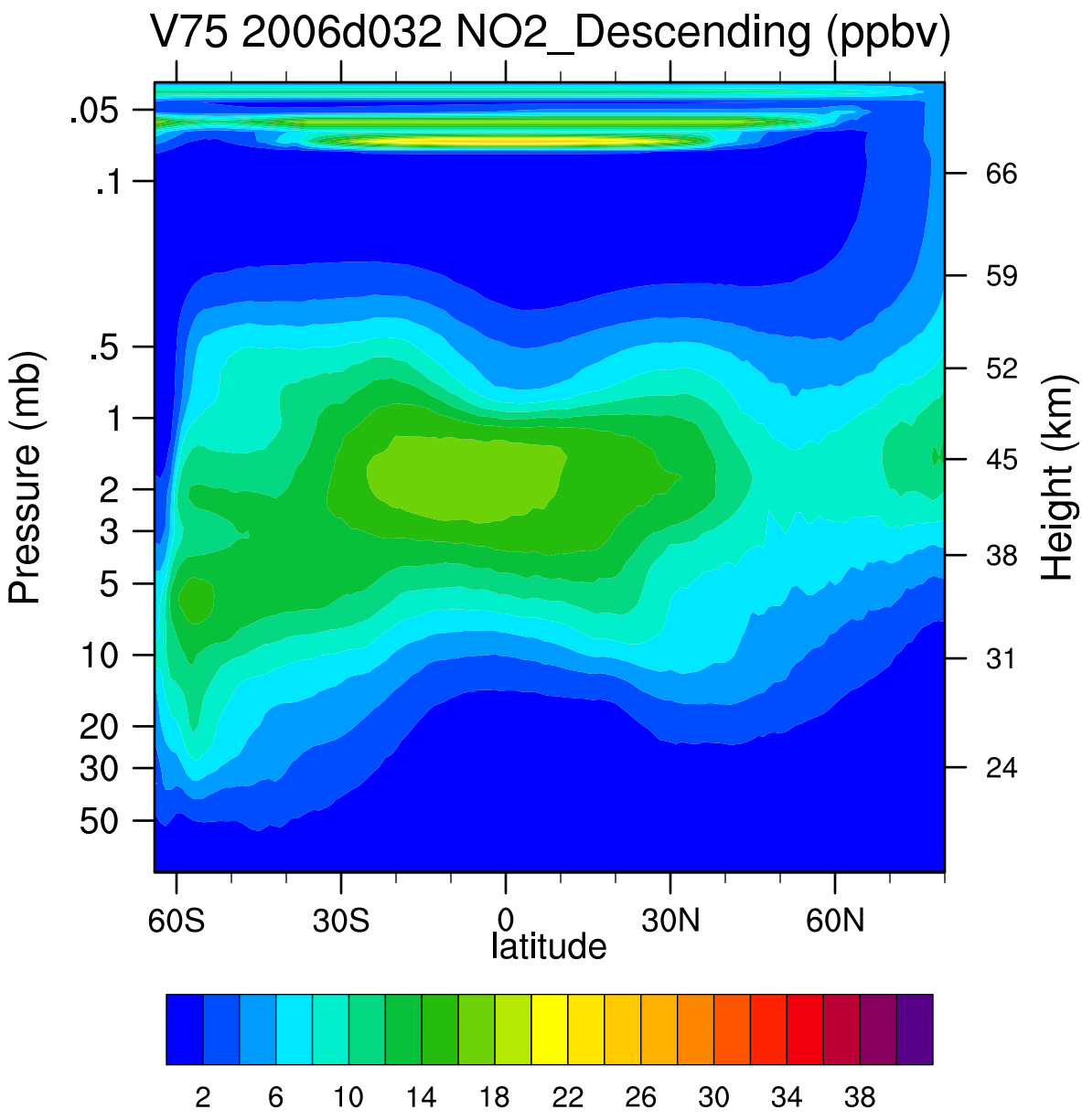
V75 2006d032 NO2_Descending (ppbv)
Pressure (mb)
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2
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5
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20
30
50
Height (km)
66
59
52
45
38
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24
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30S
0
30N
60N
latitude
2
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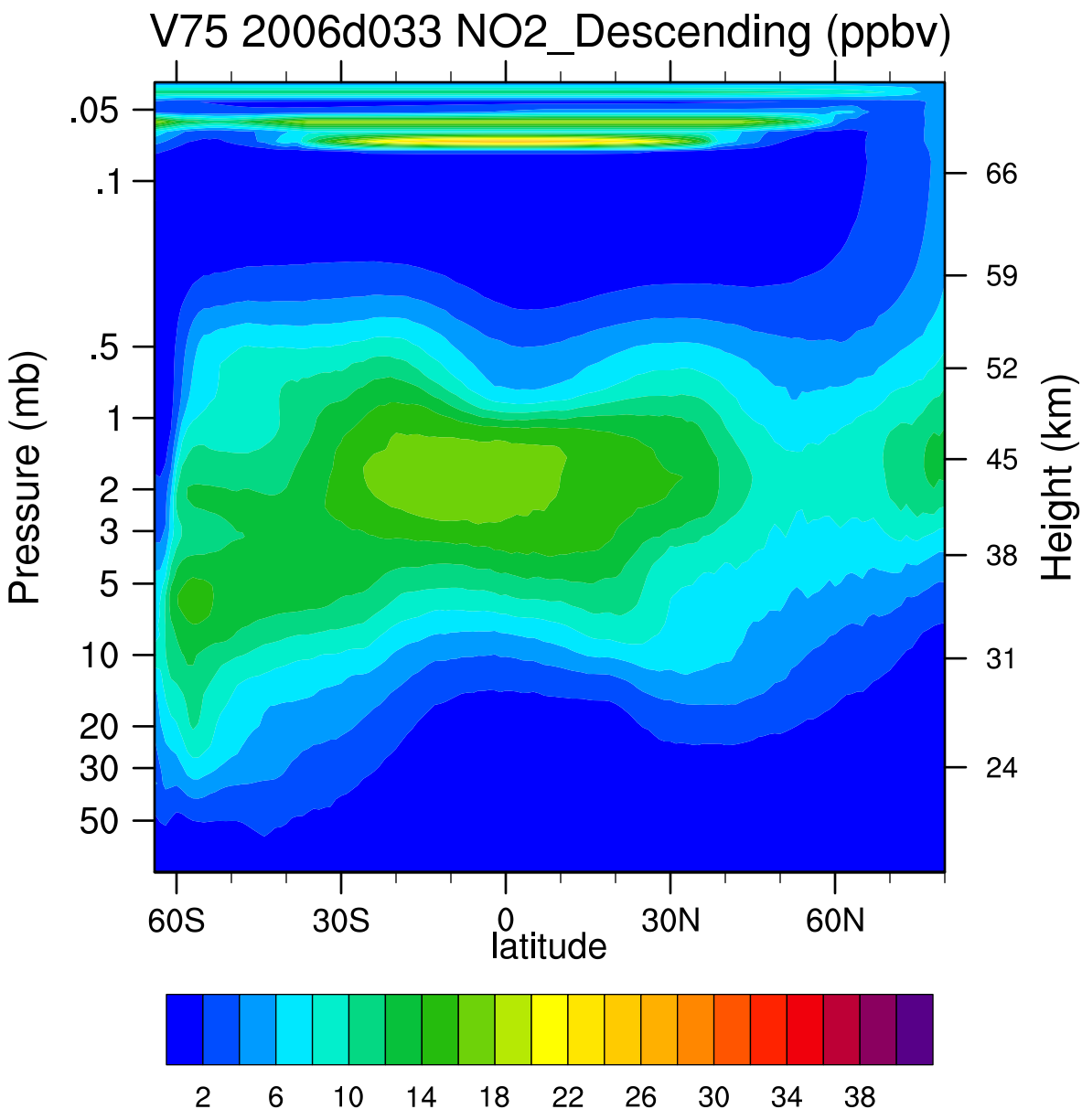
V75 2006d033 NO2_Descending (ppbv)
Pressure (mb)
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.5
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2
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5
10
20
30
50
Height (km)
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59
52
45
38
31
24
60S
30S
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30N
60N
latitude
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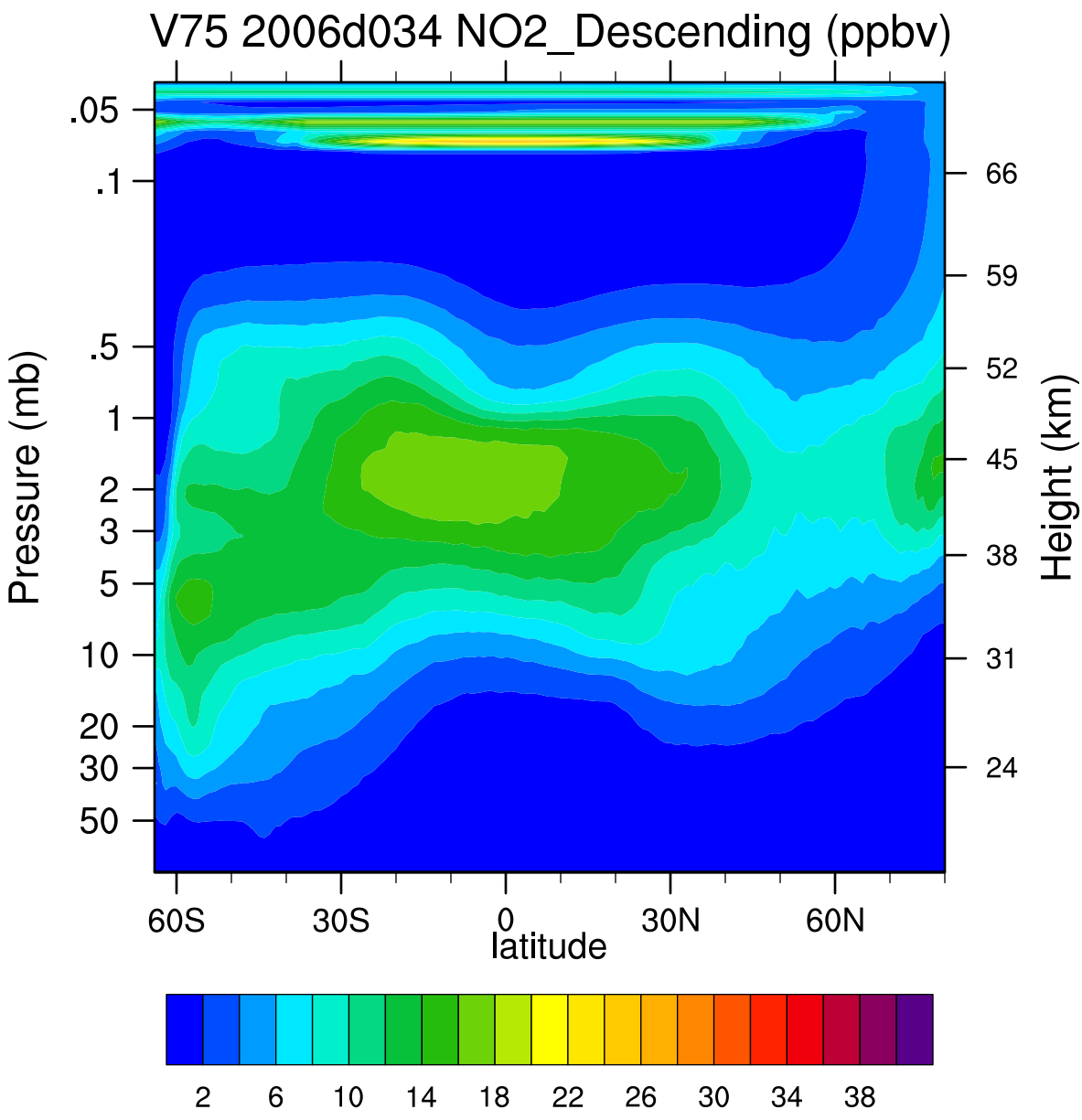
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Pressure (mb)
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.1
.5
1
2
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5
10
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30
50
Height (km)
66
59
52
45
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60N
latitude
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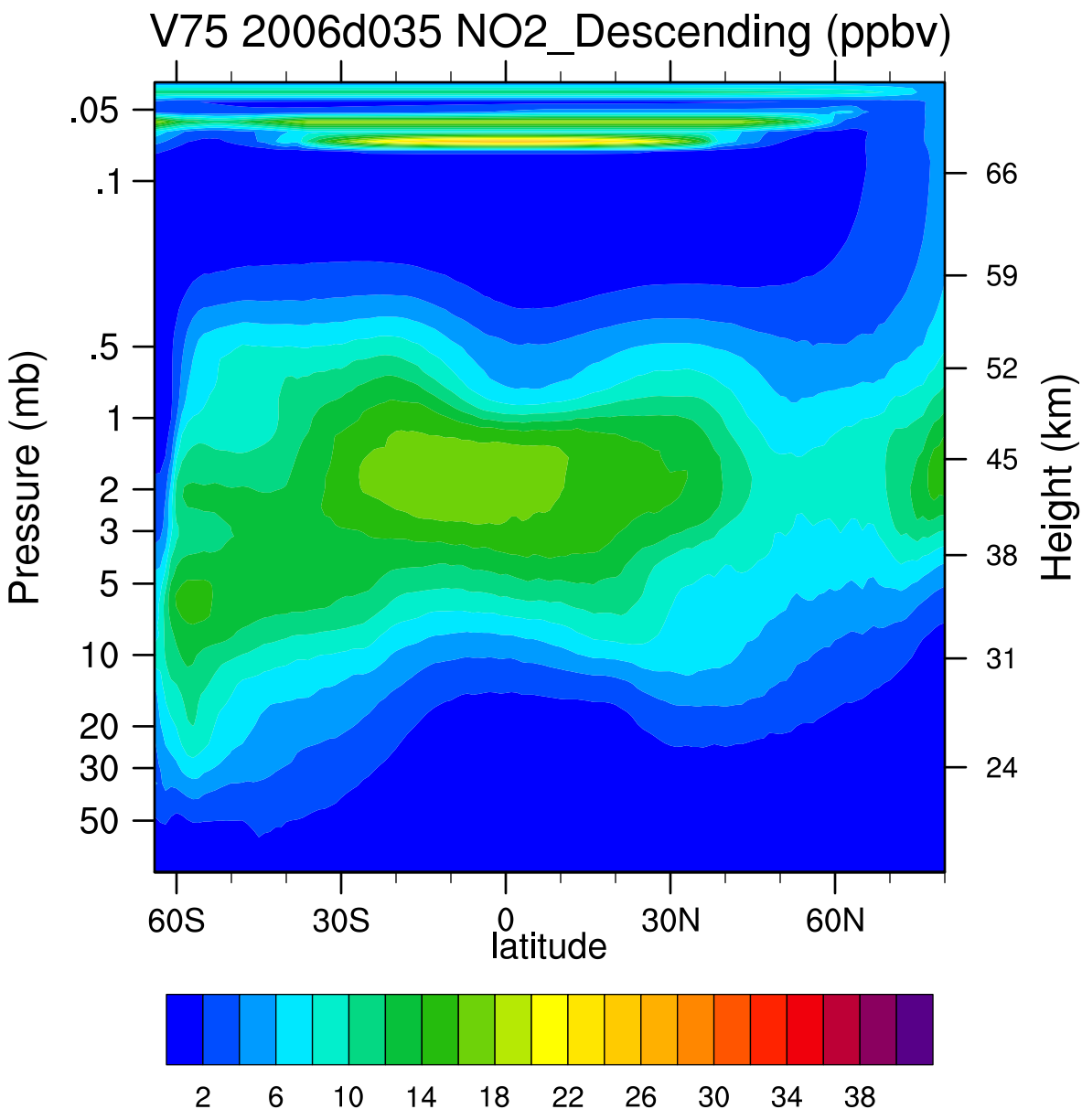
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Pressure (mb)
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5
10
20
30
50
Height (km)
66
59
52
45
38
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60N
latitude
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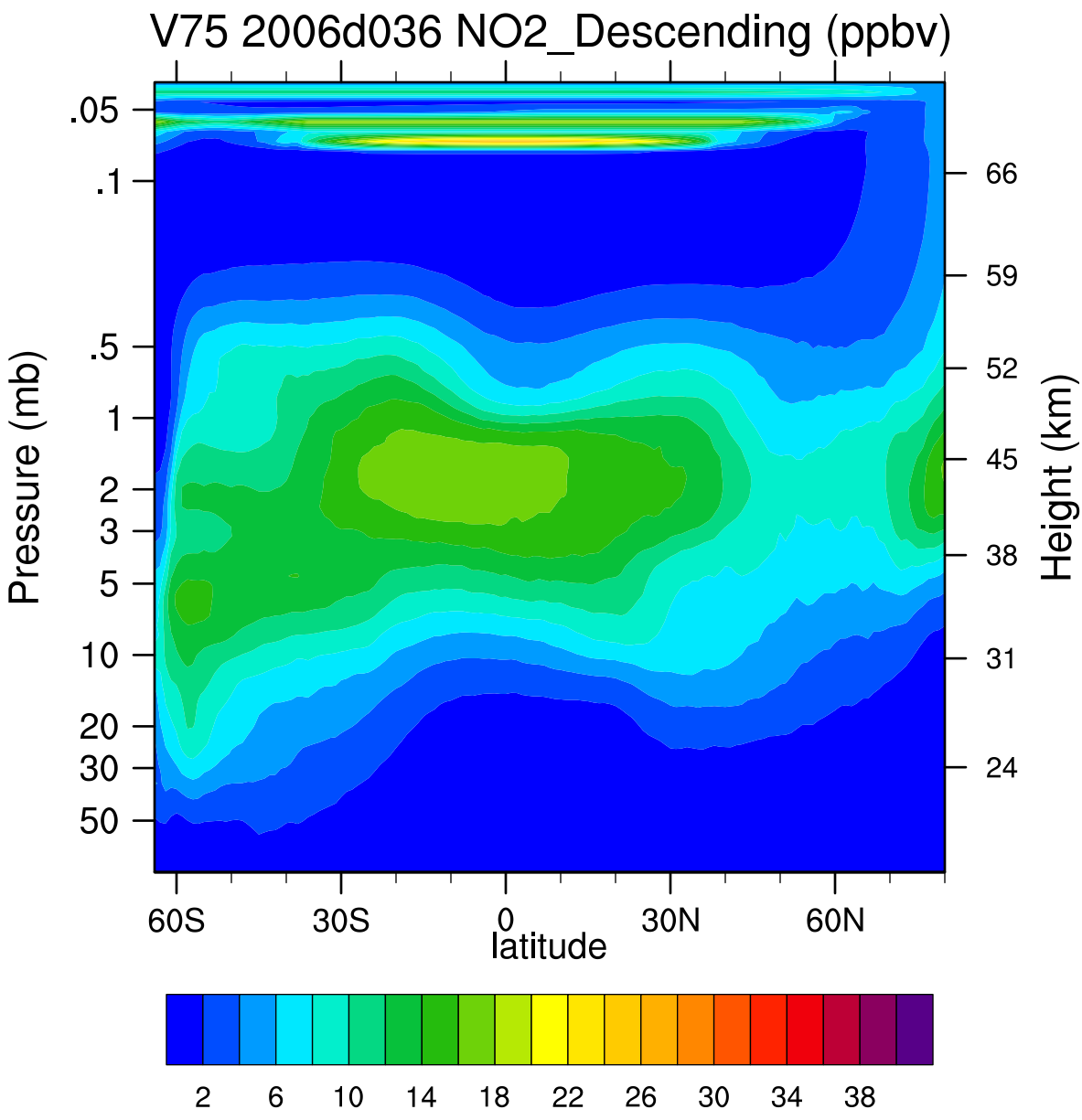
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Height (km)
66
59
52
45
38
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30S
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60N
latitude
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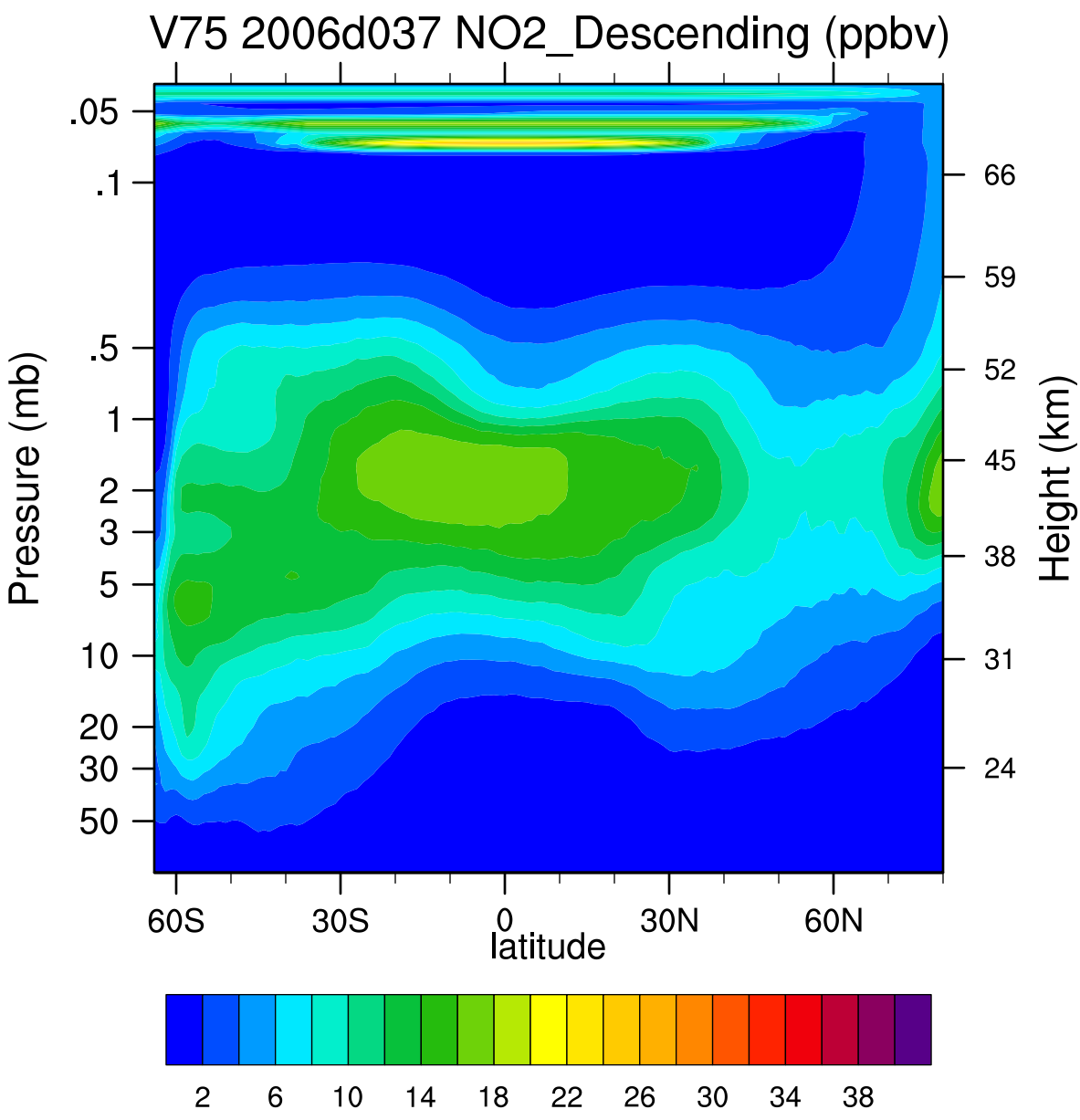
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Height (km)
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59
52
45
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60N
latitude
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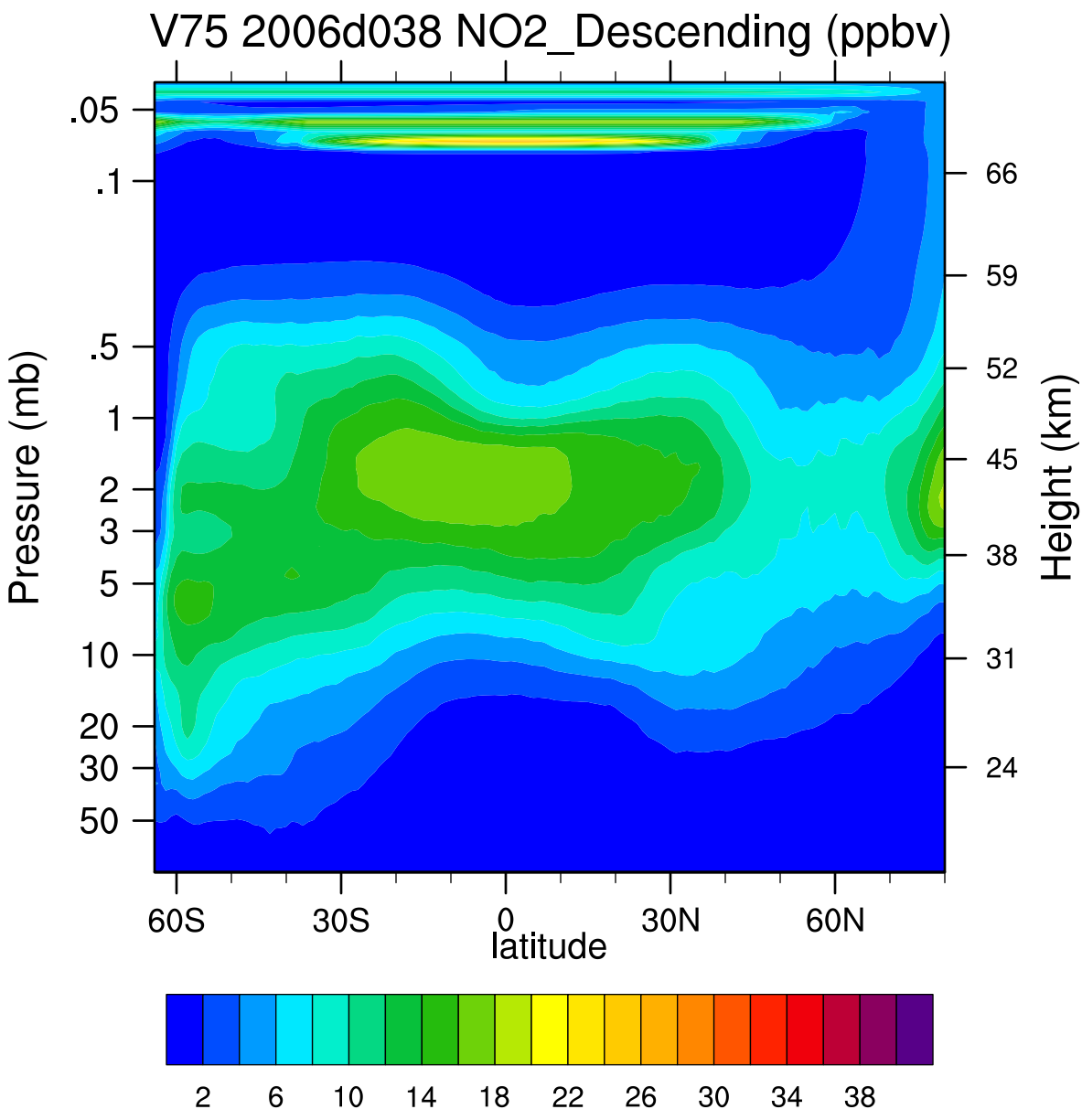
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Height (km)
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59
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latitude
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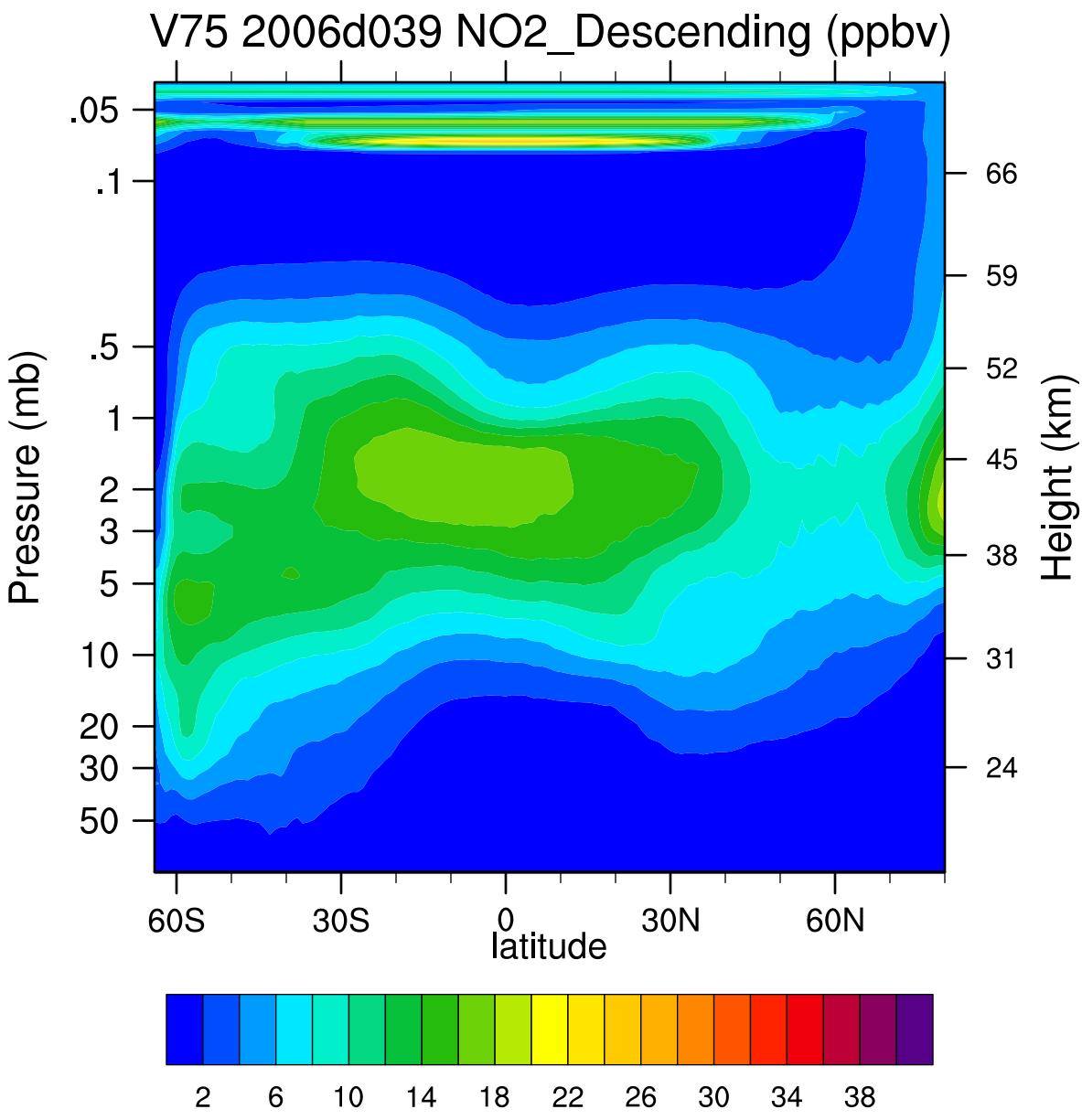
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Height (km)
66
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52
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latitude
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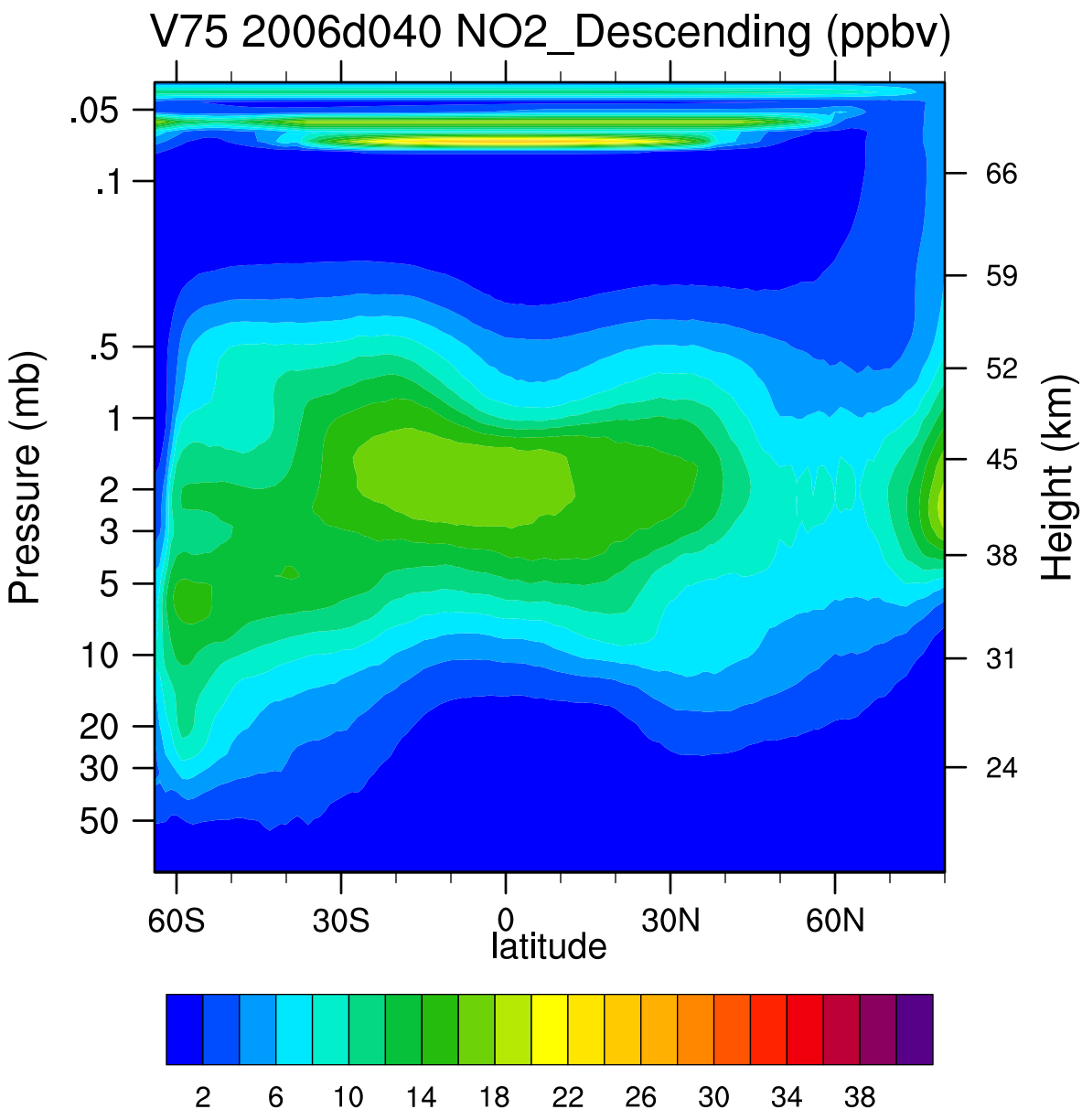
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Height (km)
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latitude
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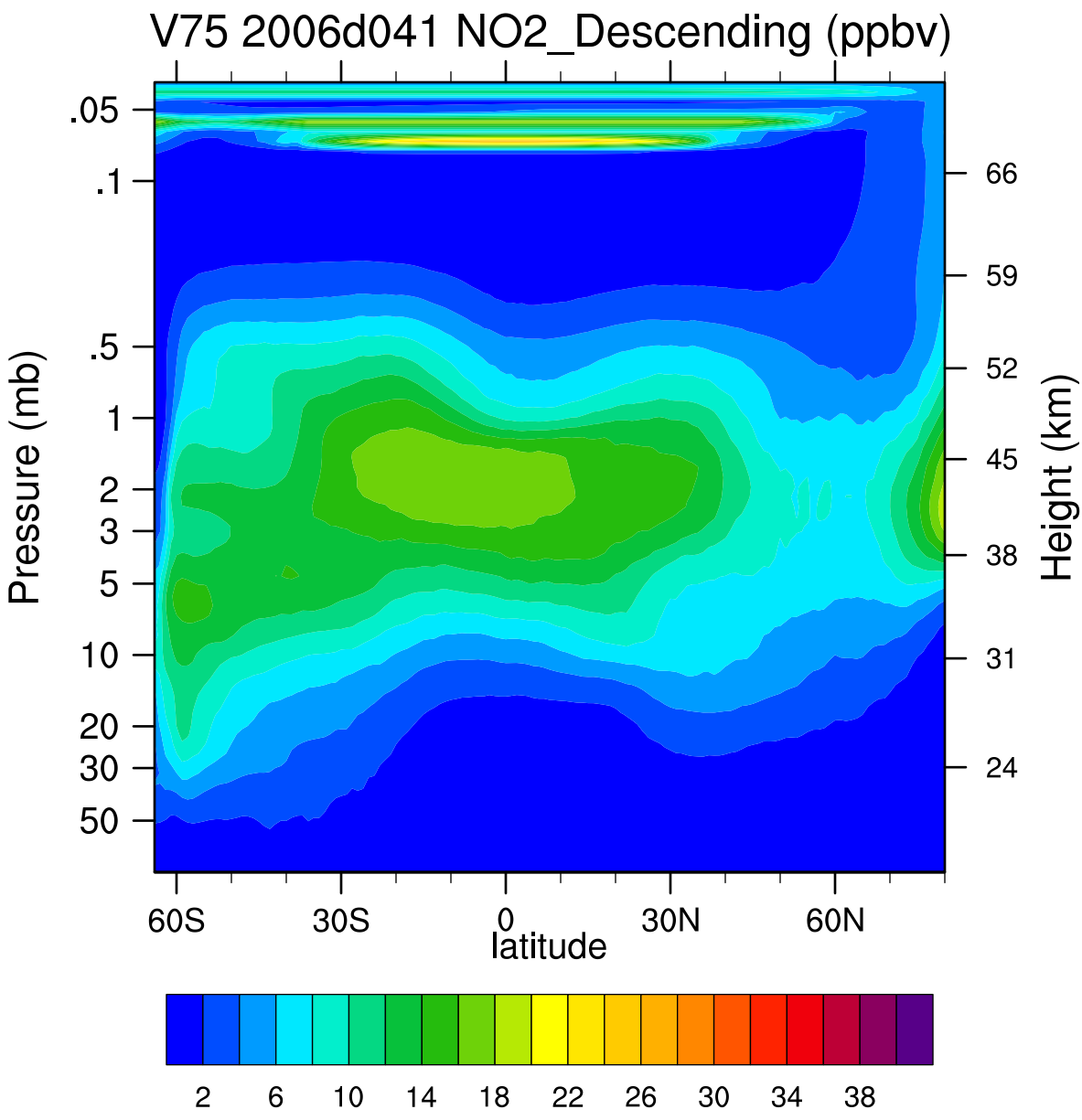
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Pressure (mb)
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Height (km)
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latitude
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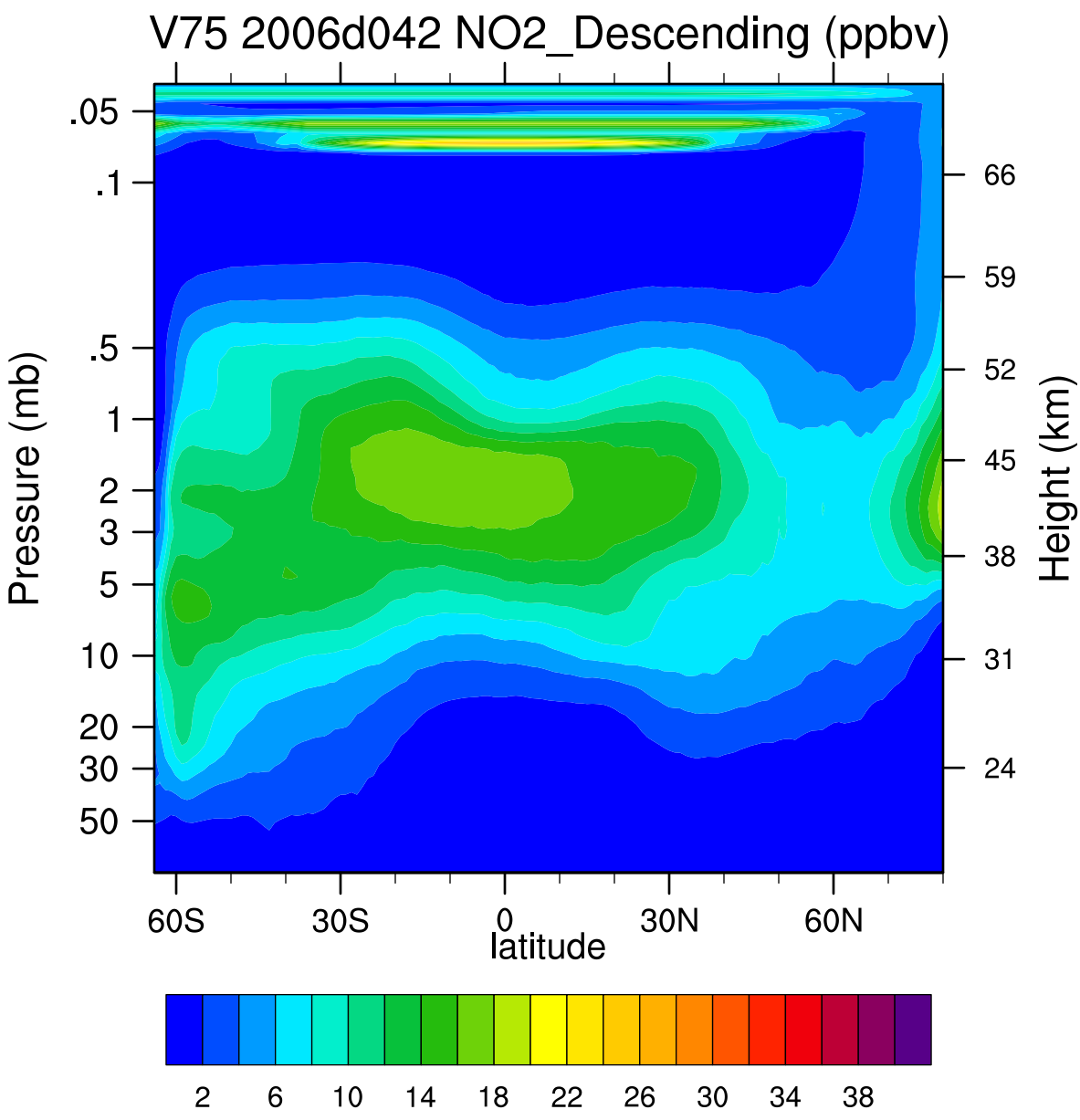
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Height (km)
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52
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latitude
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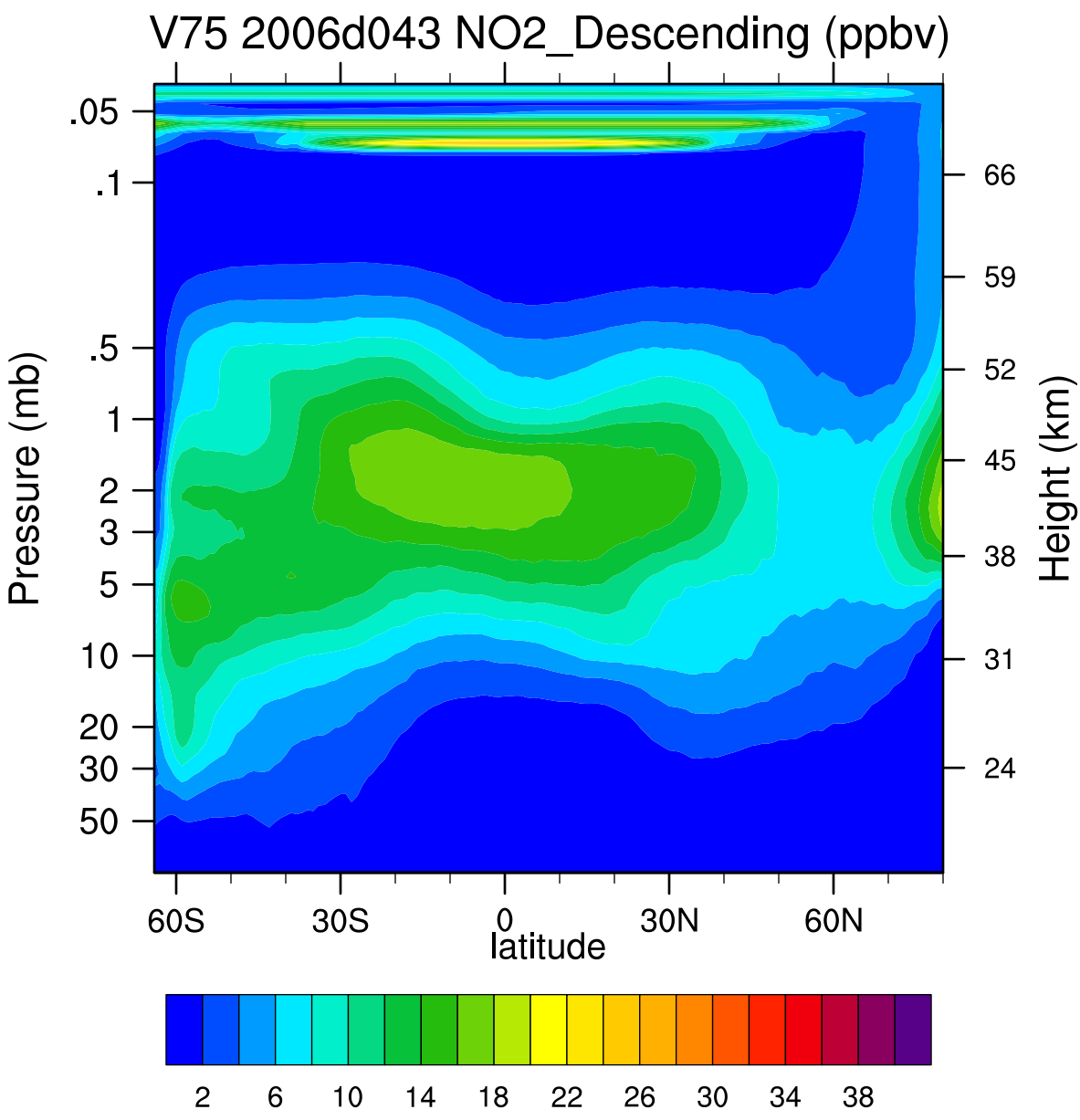
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Height (km)
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latitude
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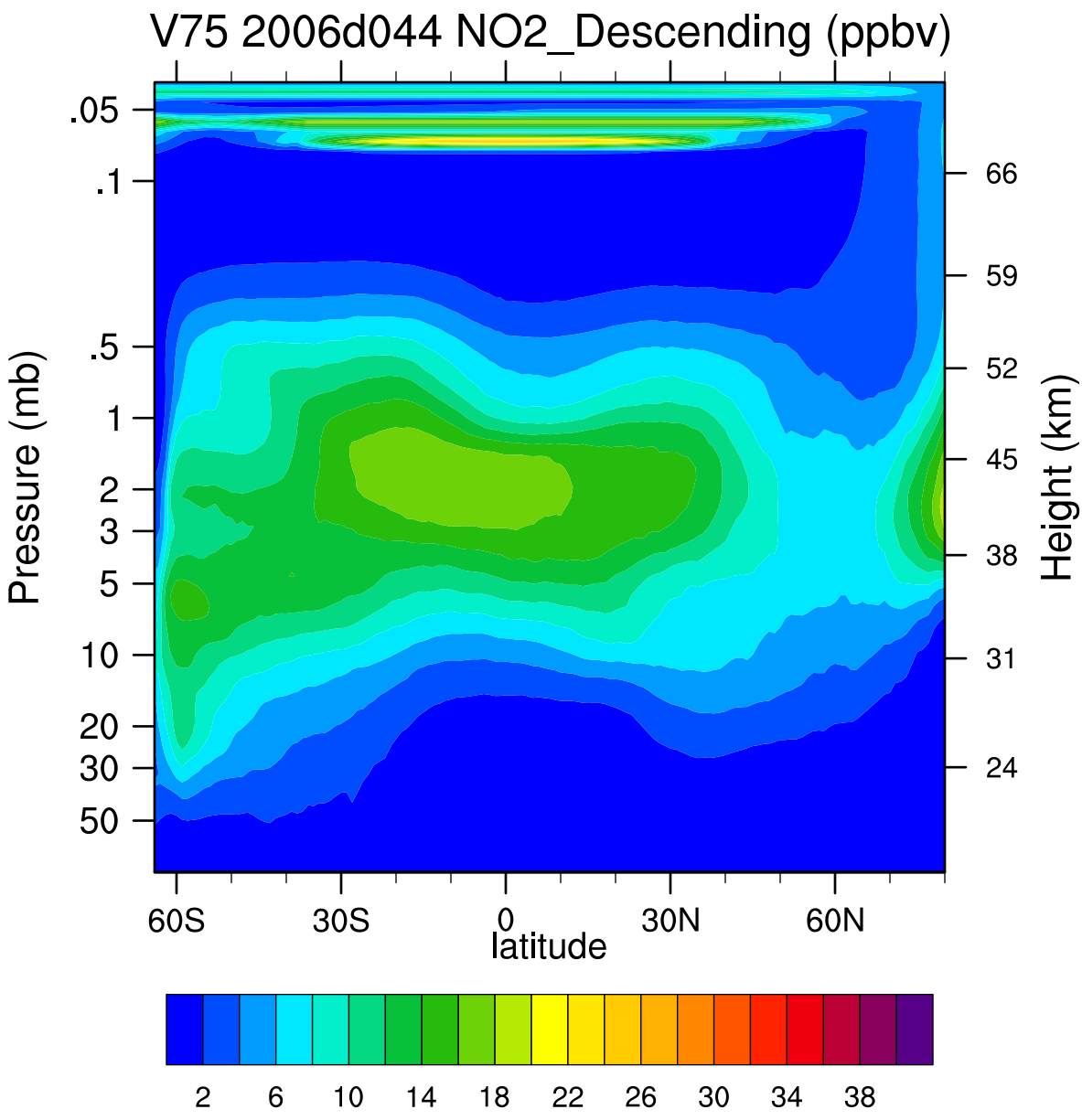
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latitude
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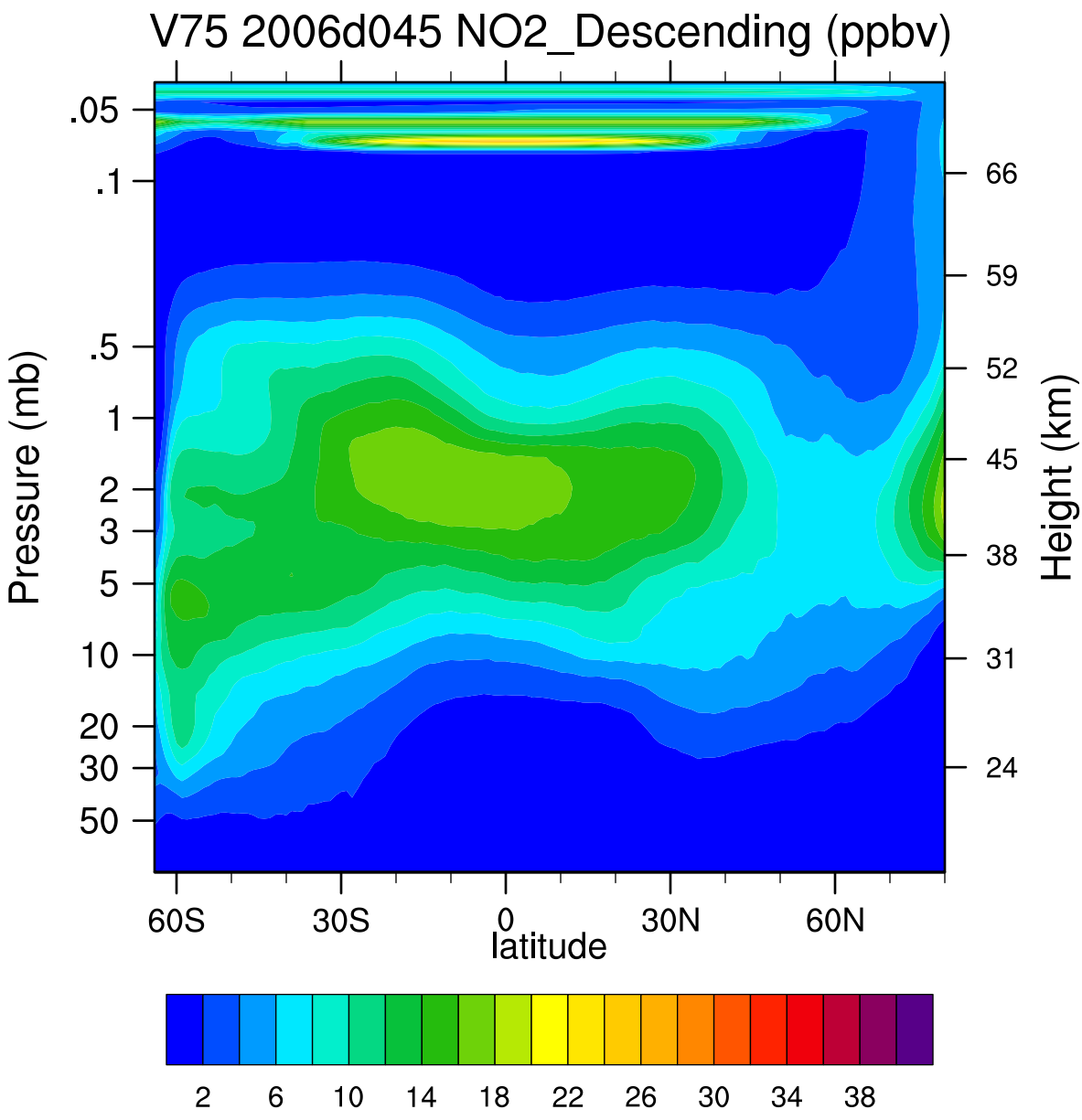
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Height (km)
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latitude
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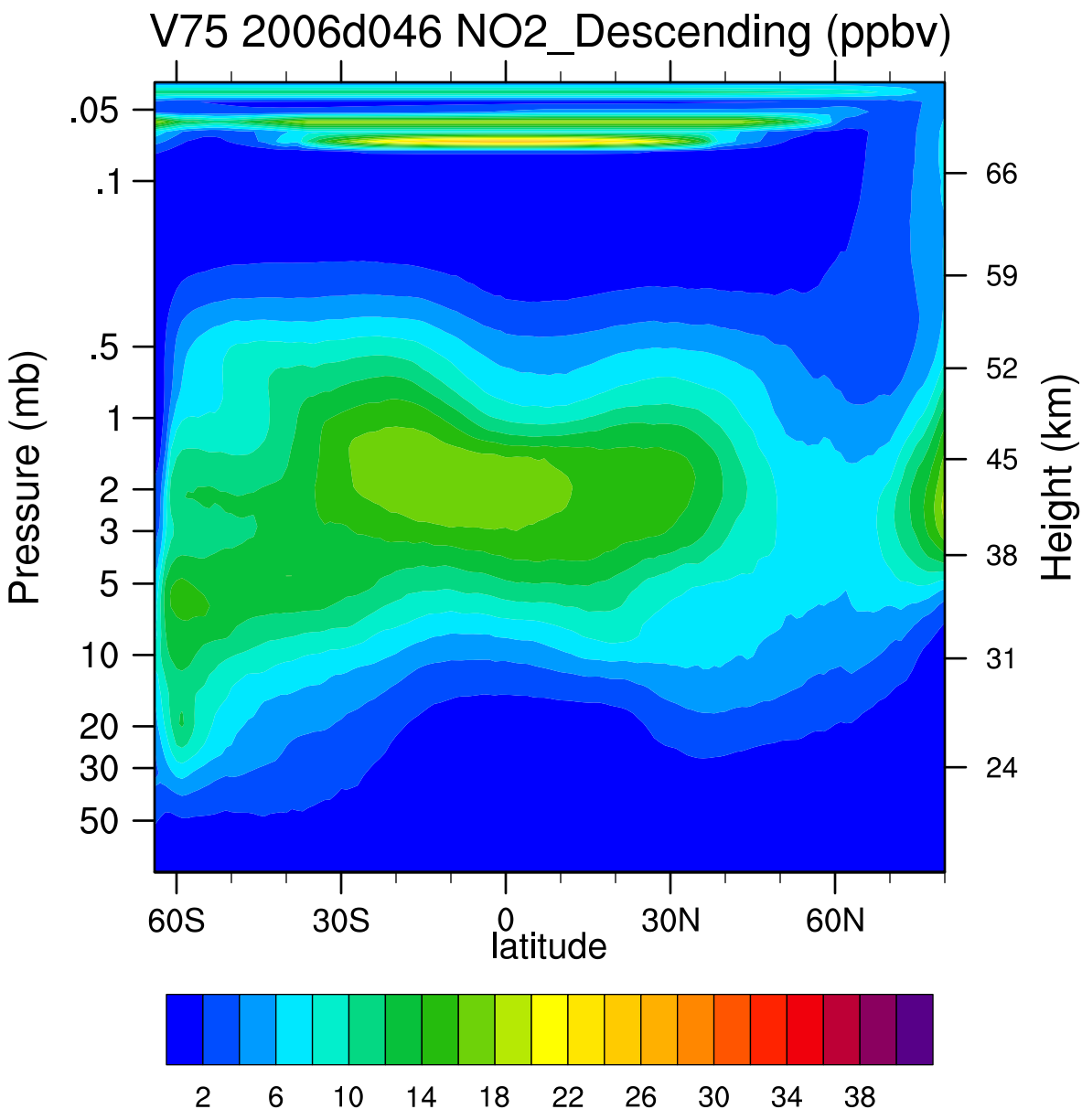
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latitude
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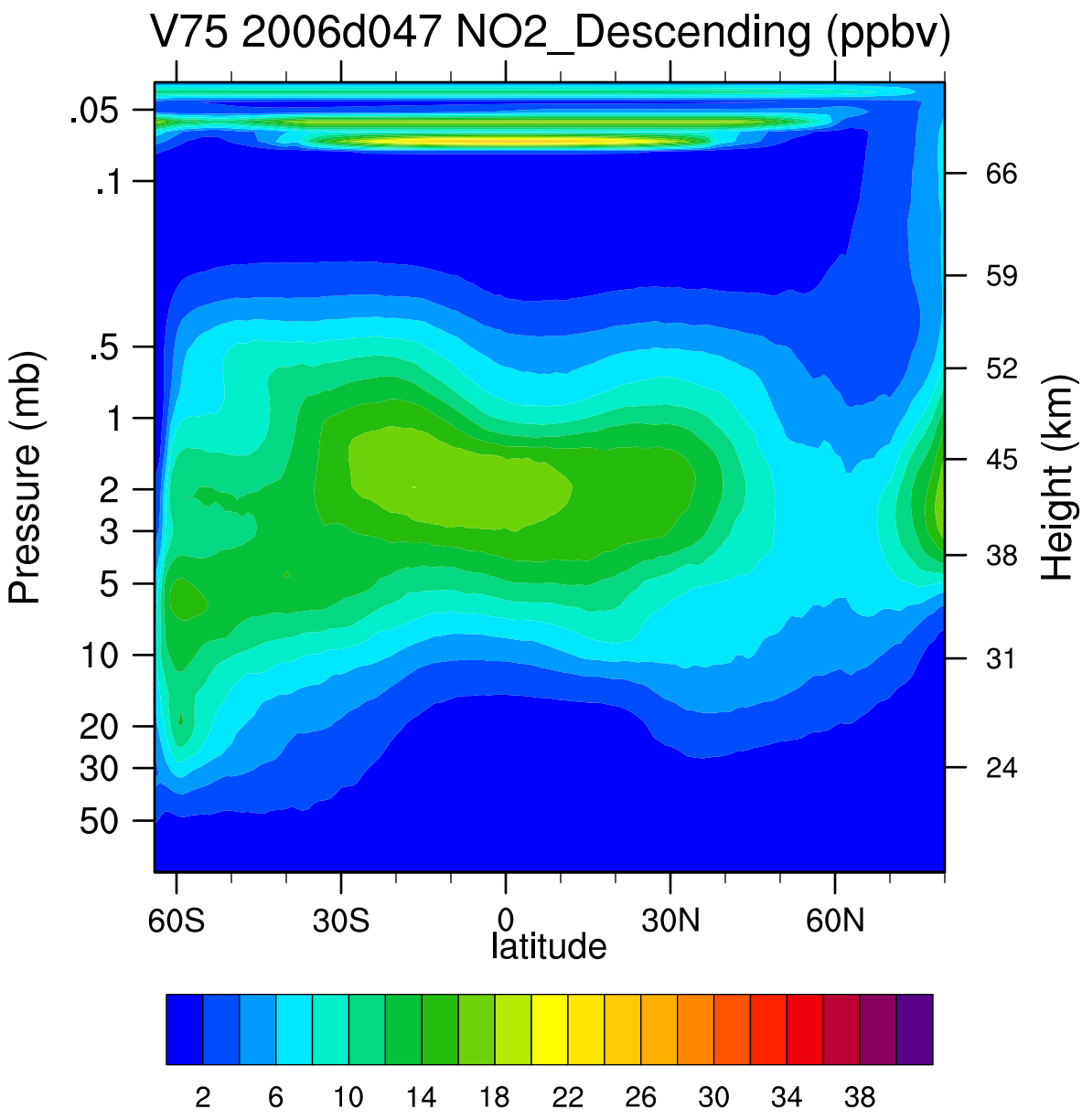
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Height (km)
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latitude
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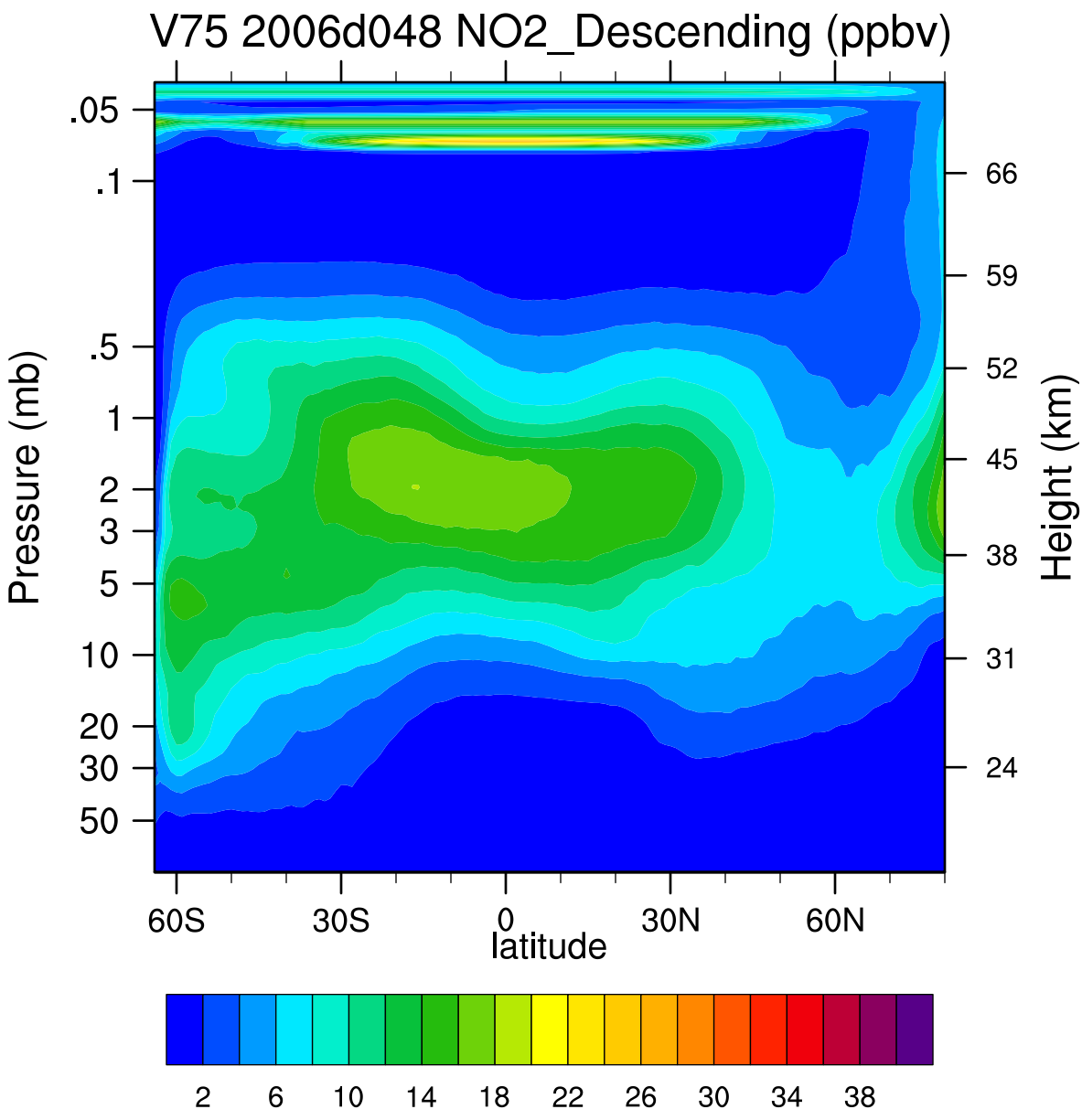
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Height (km)
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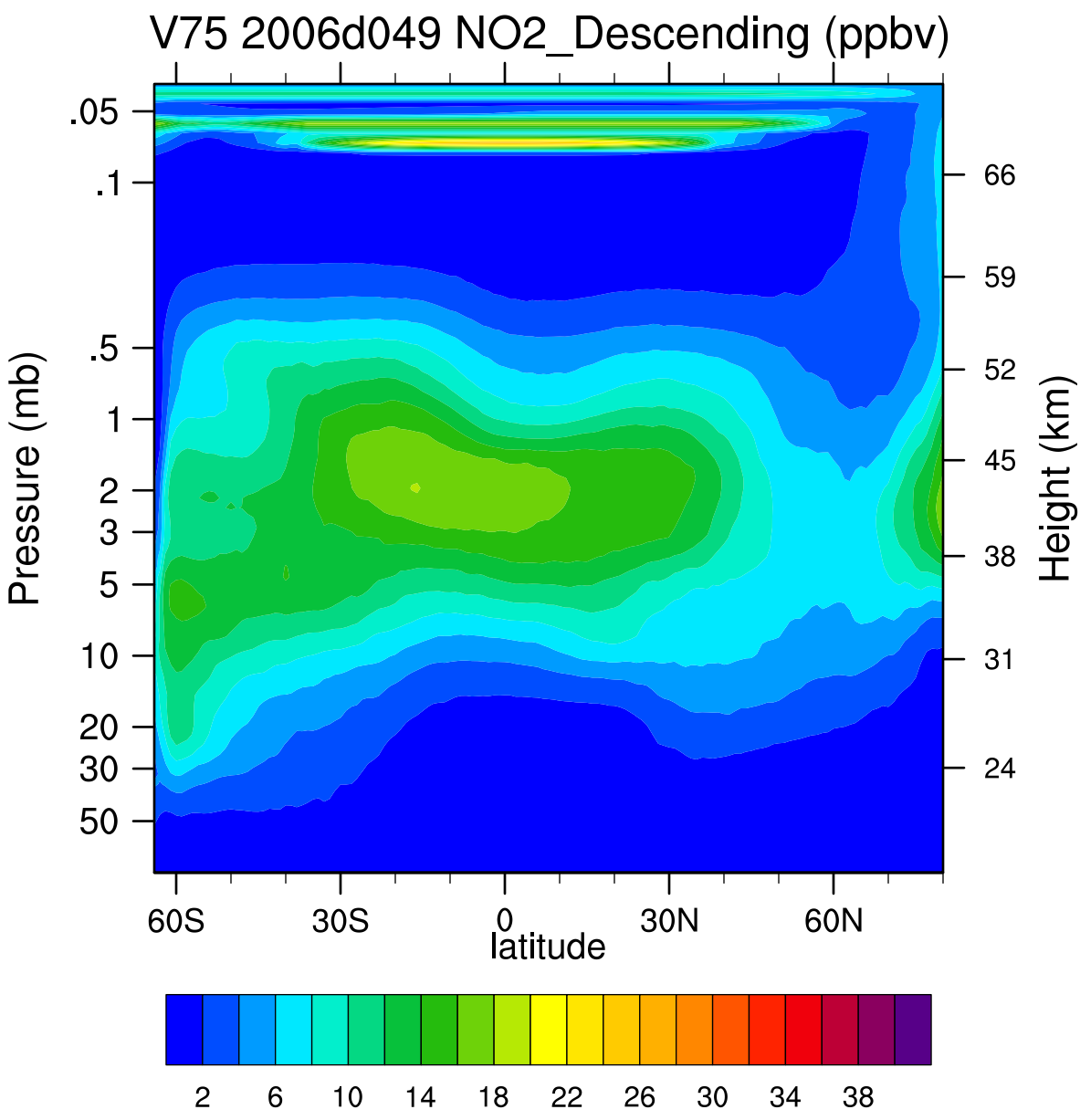
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Height (km)
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latitude
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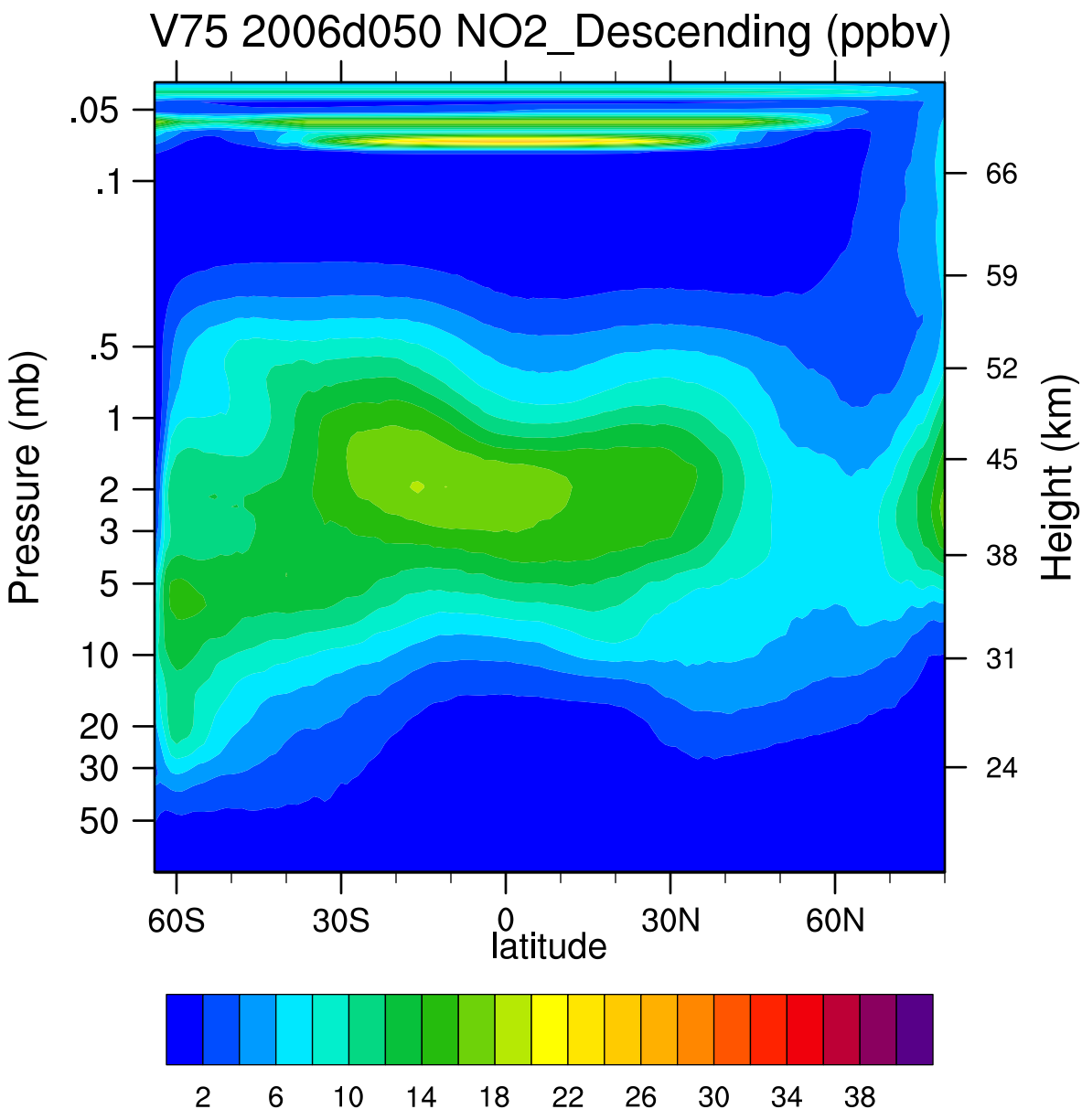
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Height (km)
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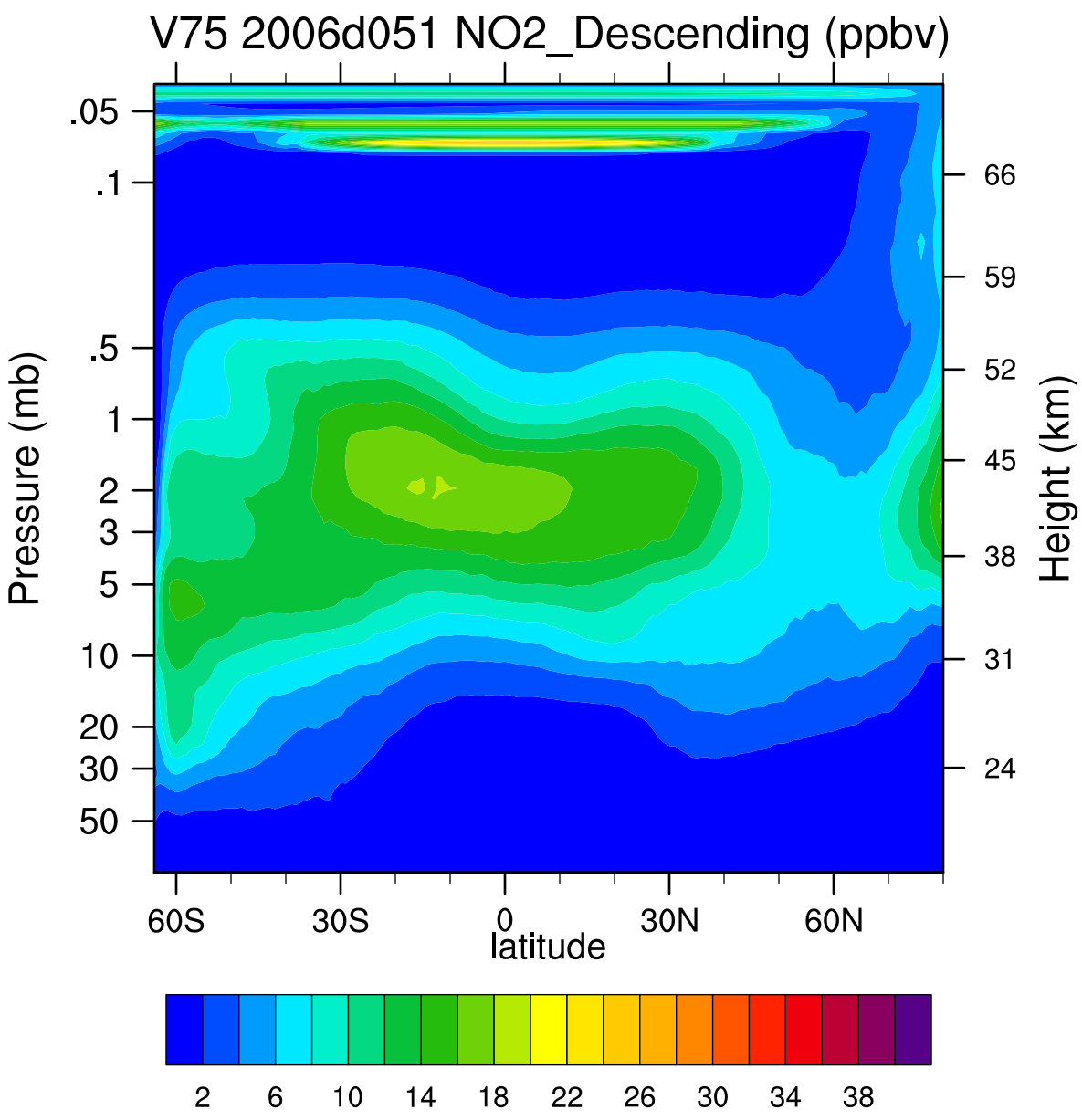
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latitude
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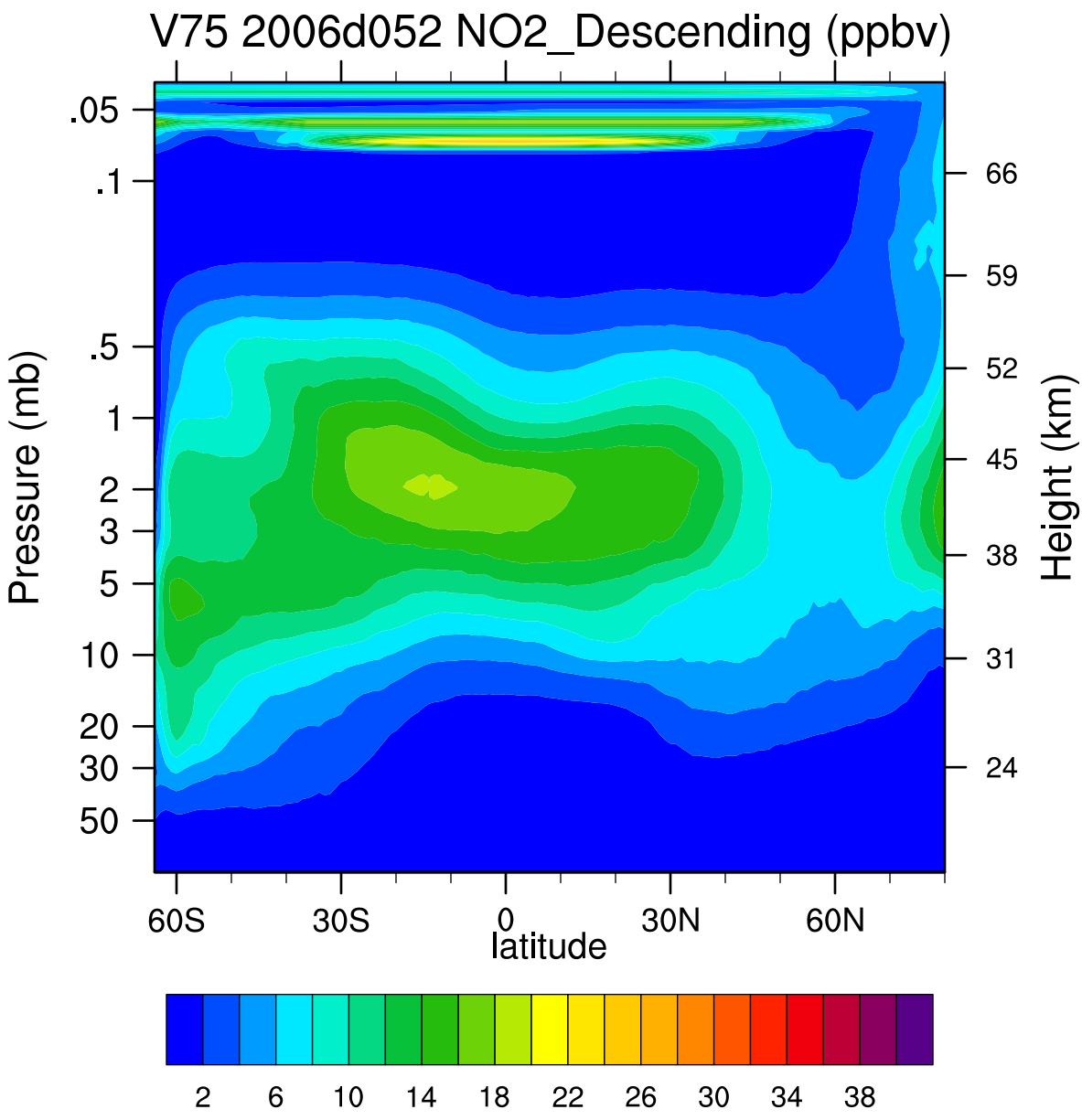
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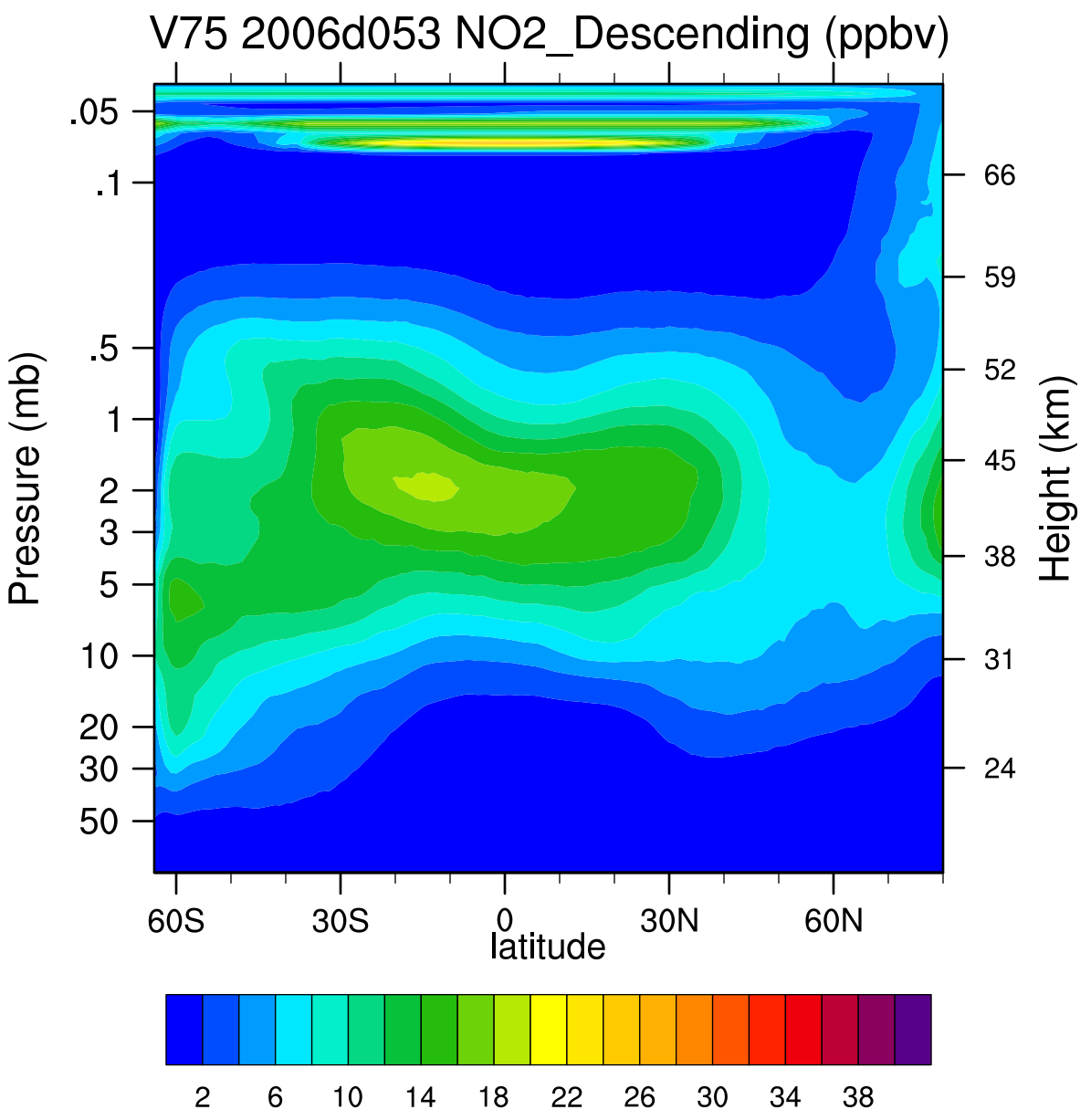
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Pressure (mb)
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Height (km)
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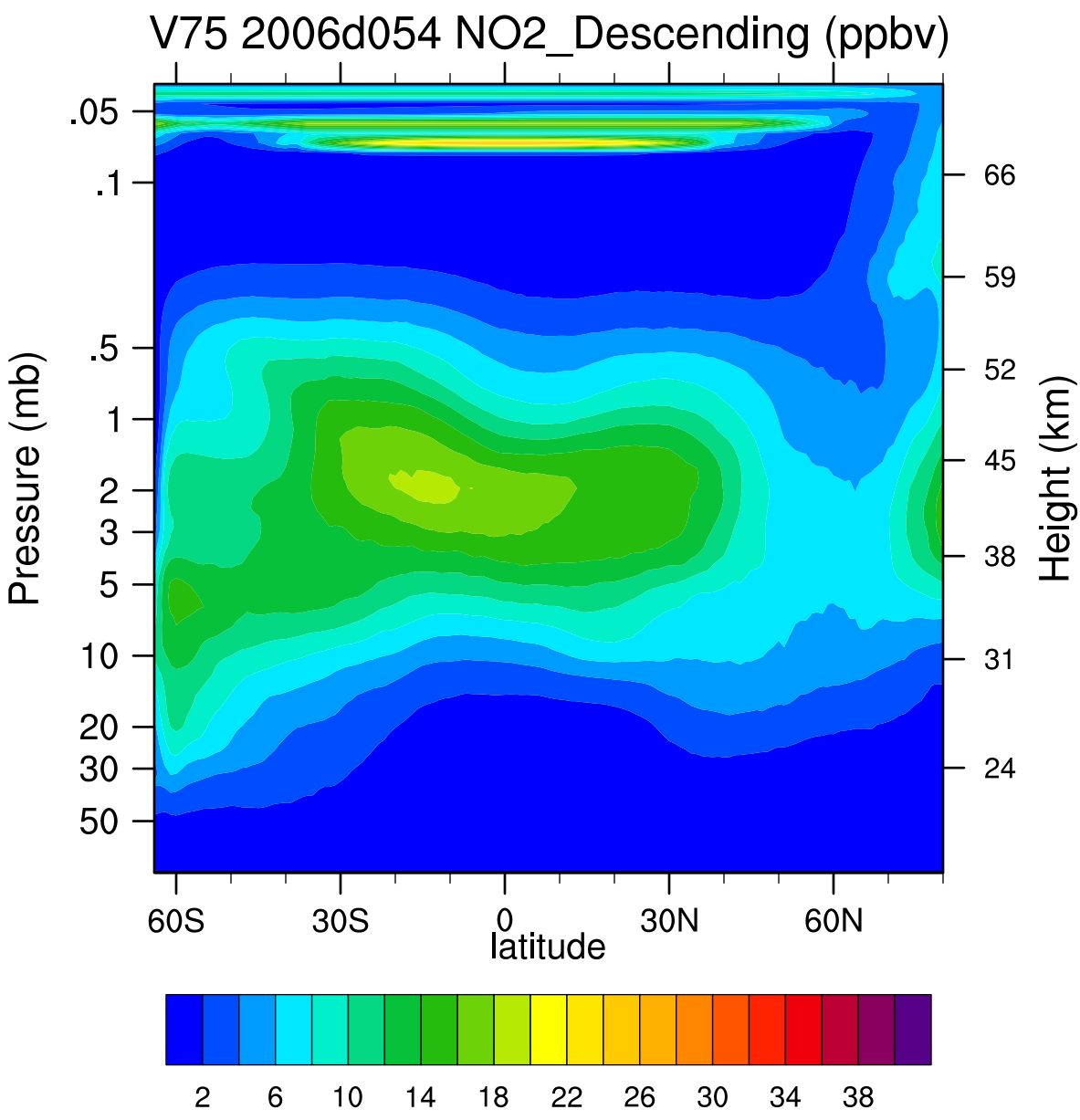
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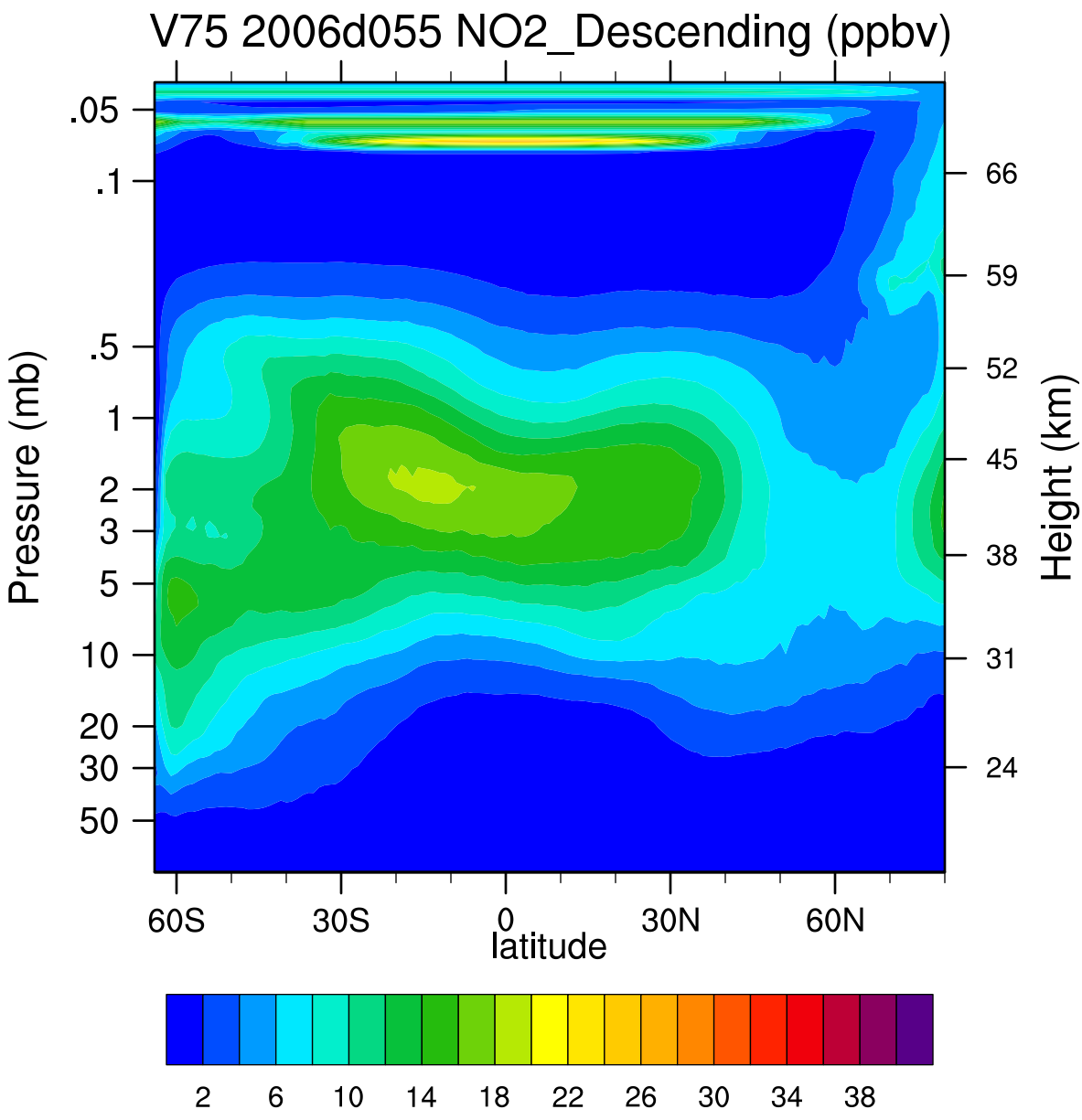
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Height (km)
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latitude
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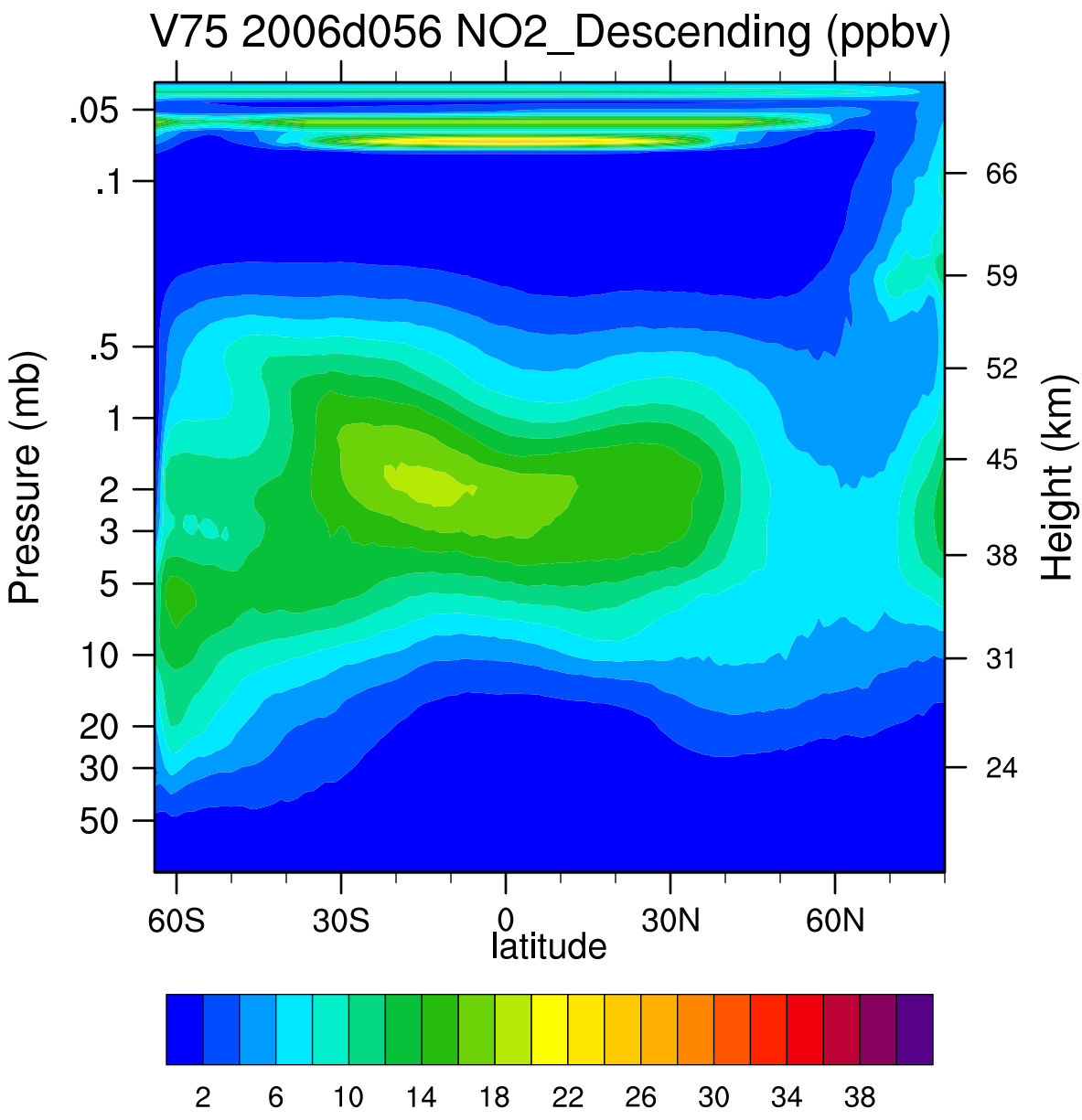
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Height (km)
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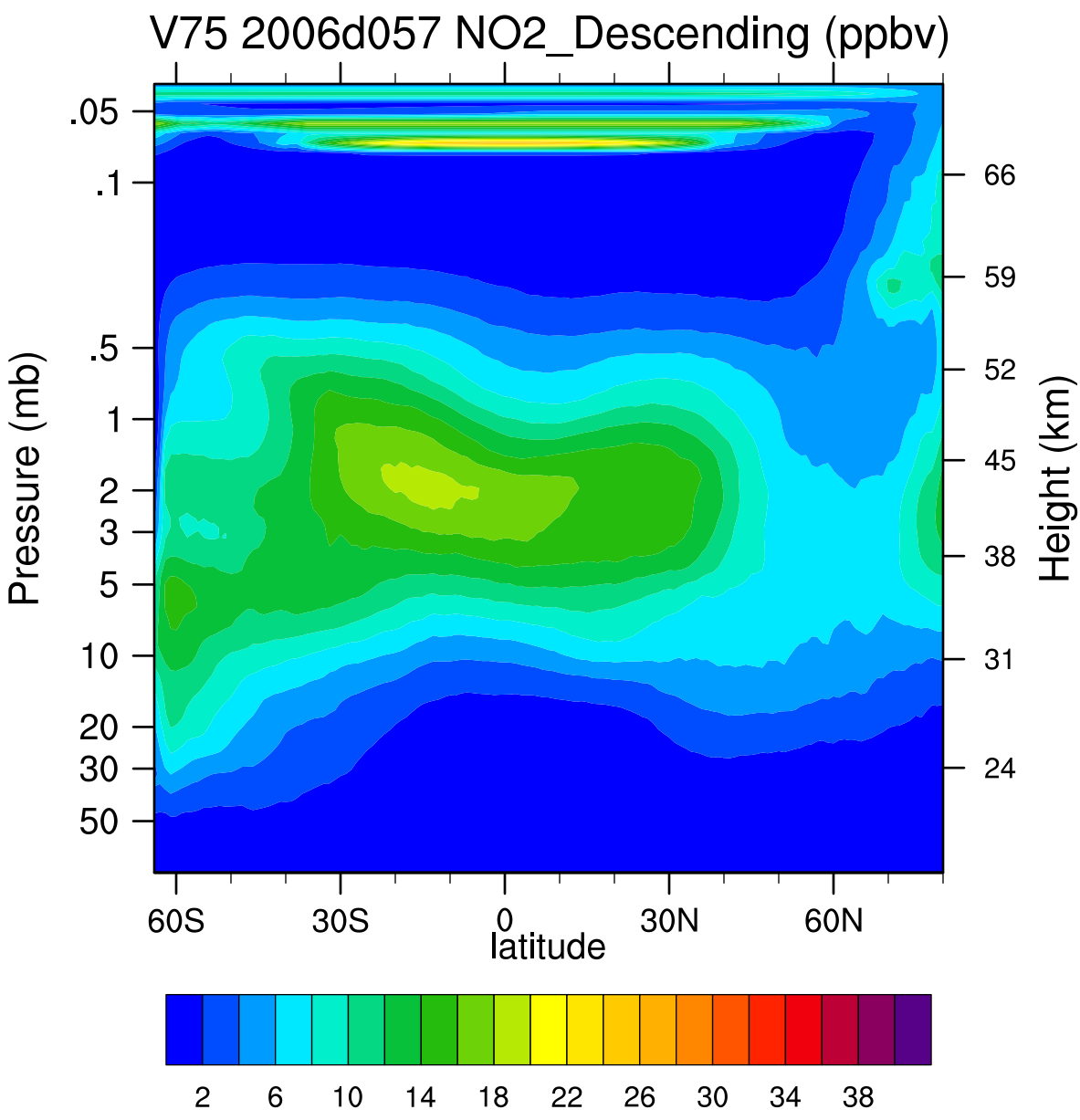
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latitude
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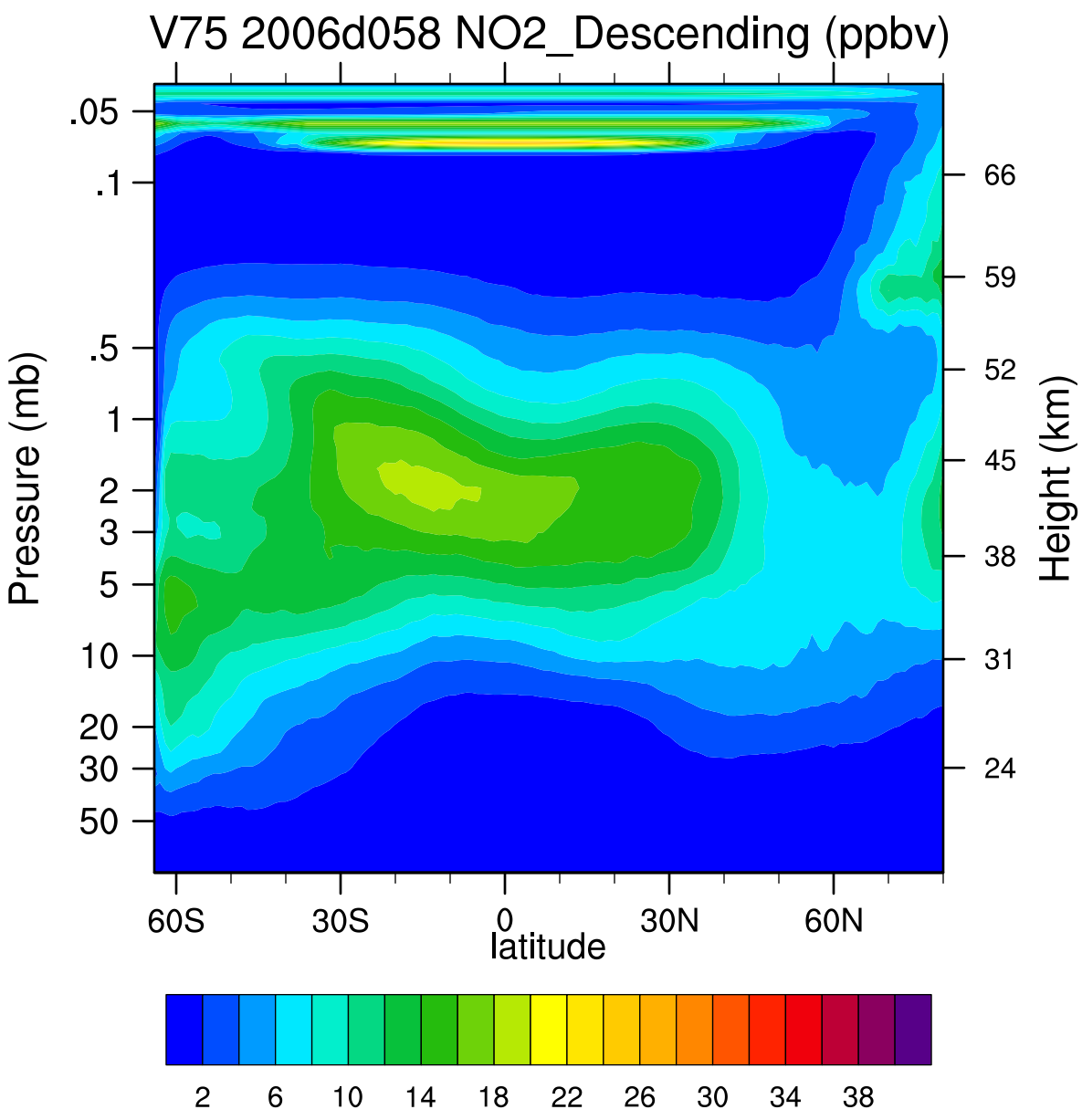
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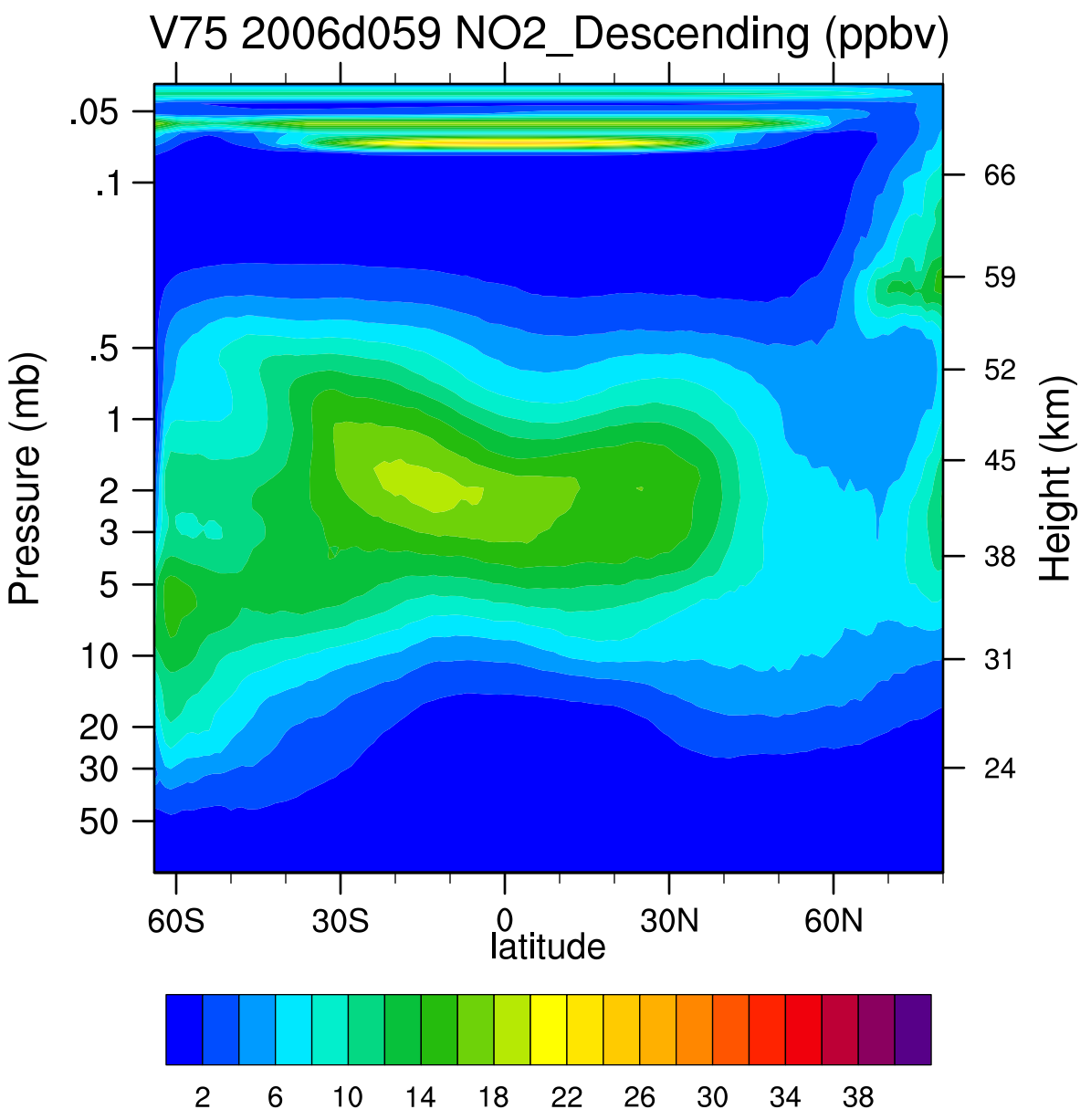
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latitude
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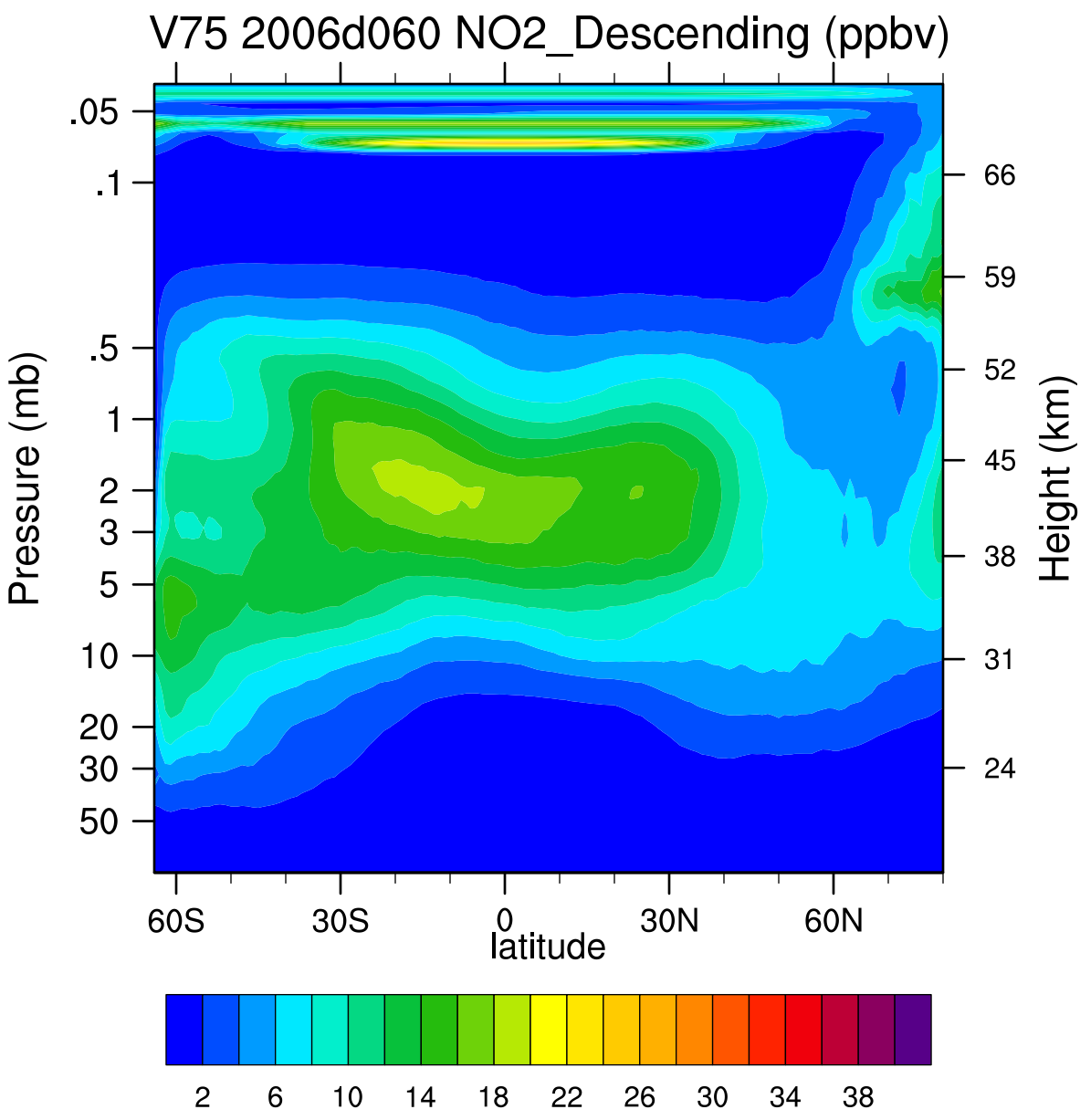
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Height (km)
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latitude
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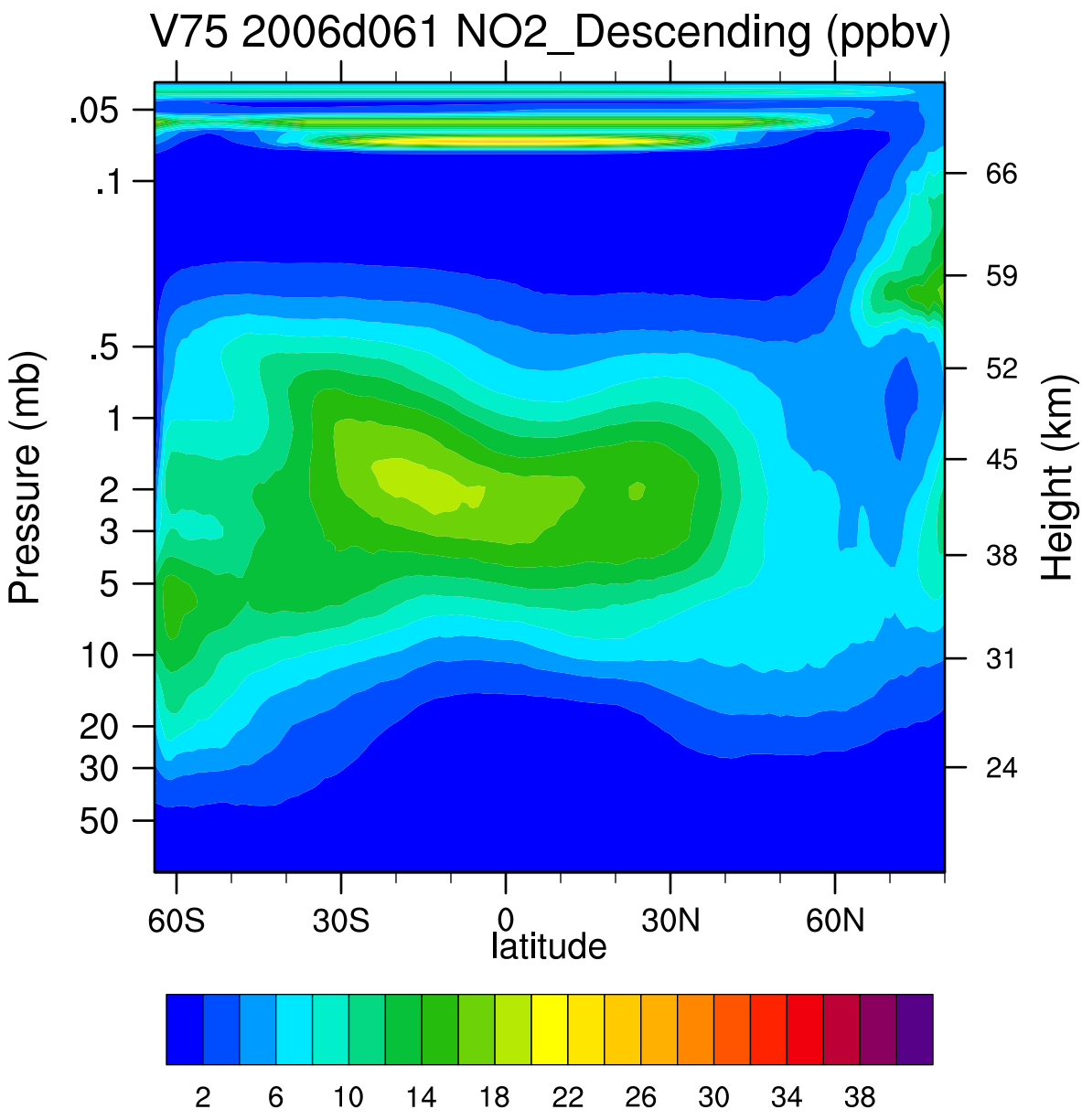
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Height (km)
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latitude
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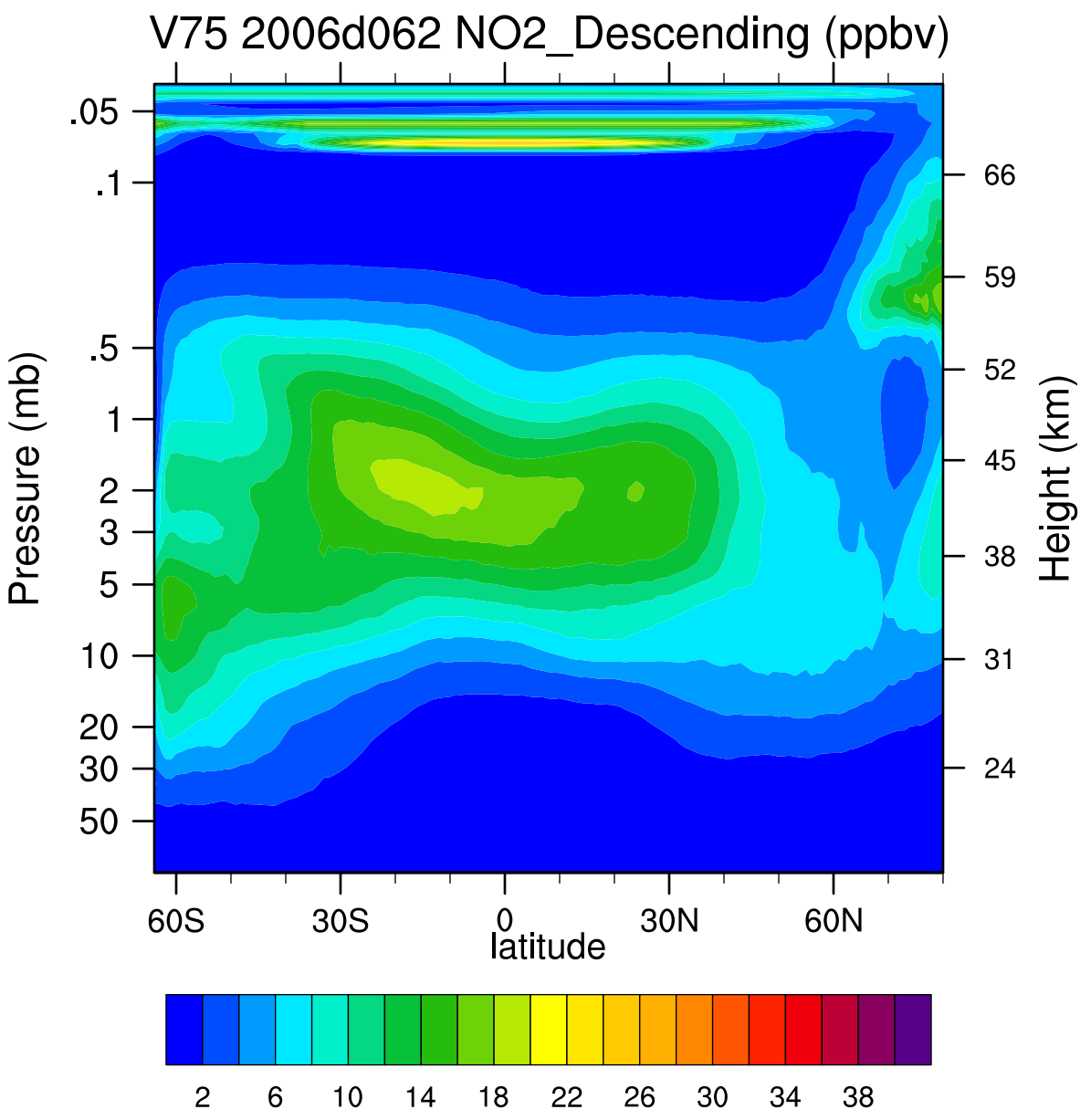
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Height (km)
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latitude
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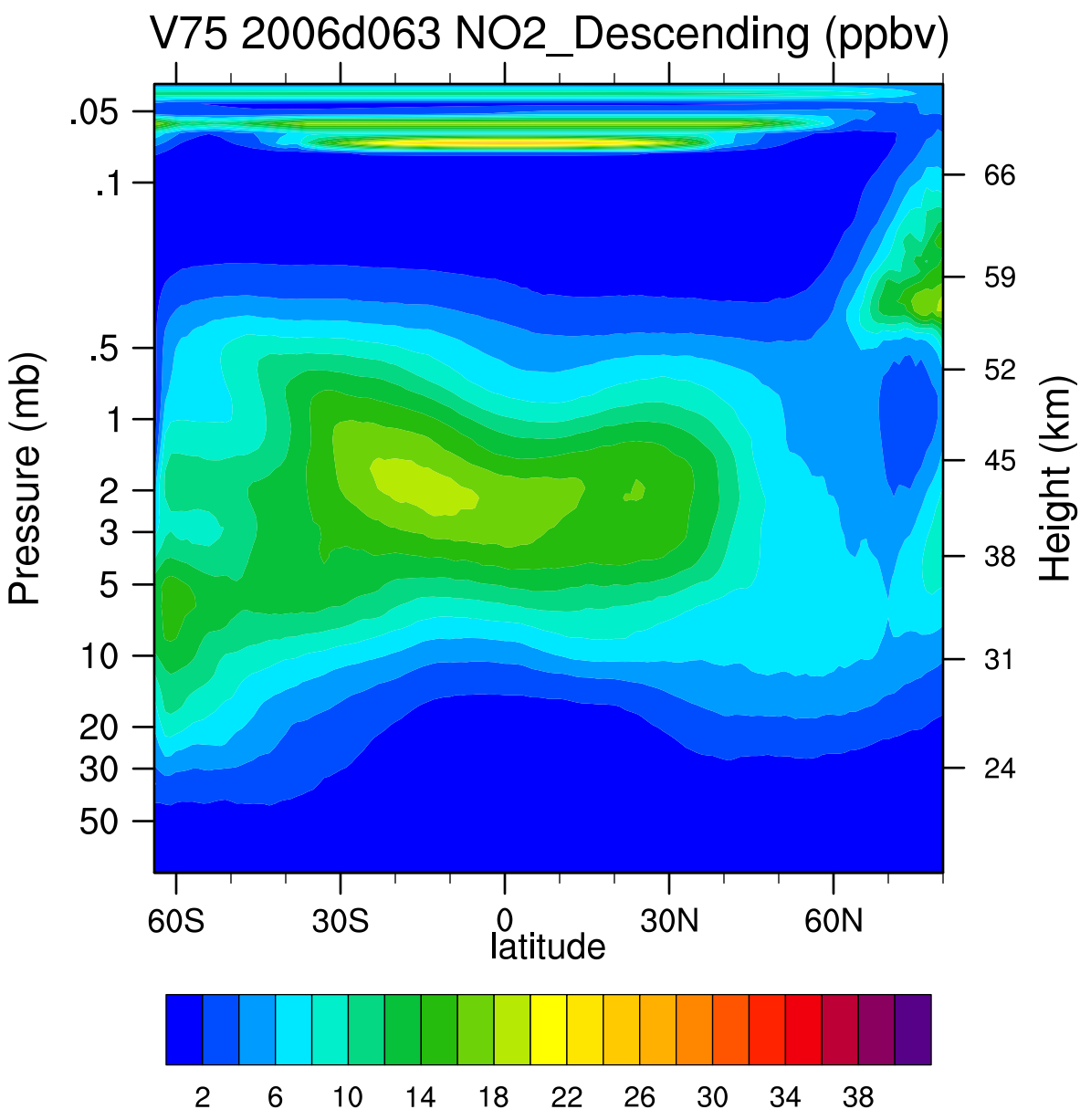
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.5
1
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3
5
10
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30
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52
45
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30N
60N
latitude
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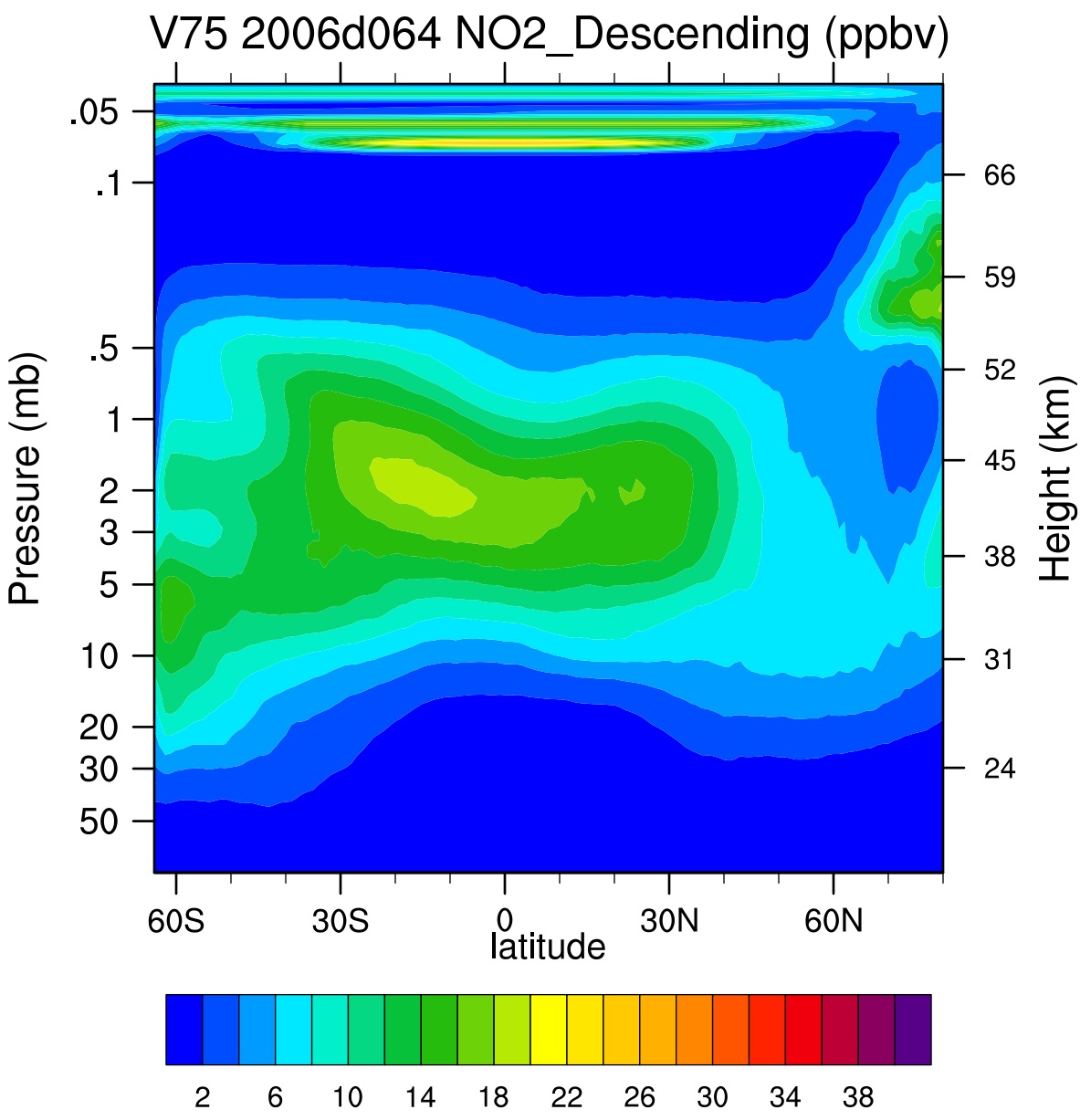
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Height (km)
66
59
52
45
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30S
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60N
latitude
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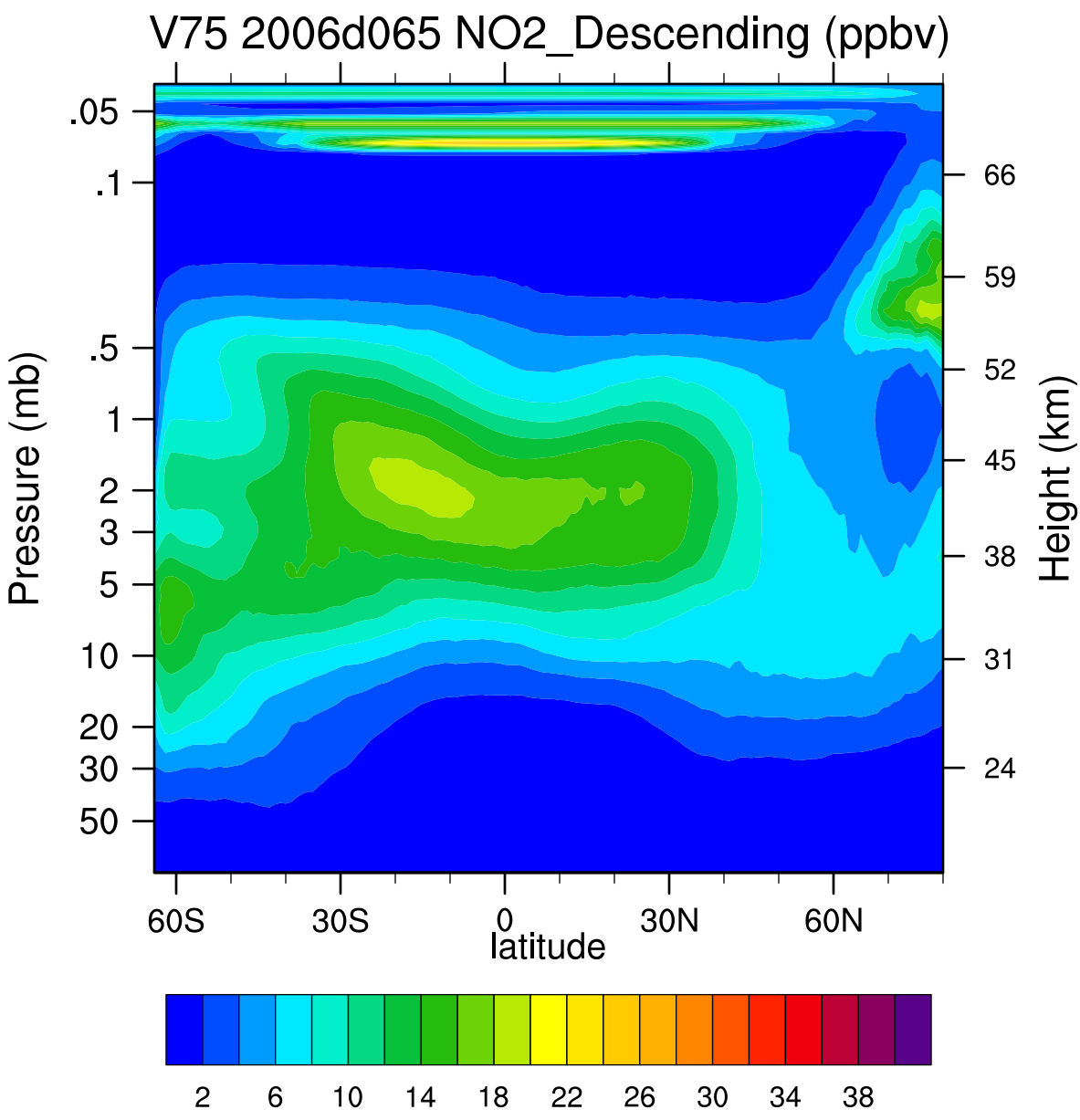
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Height (km)
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59
52
45
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latitude
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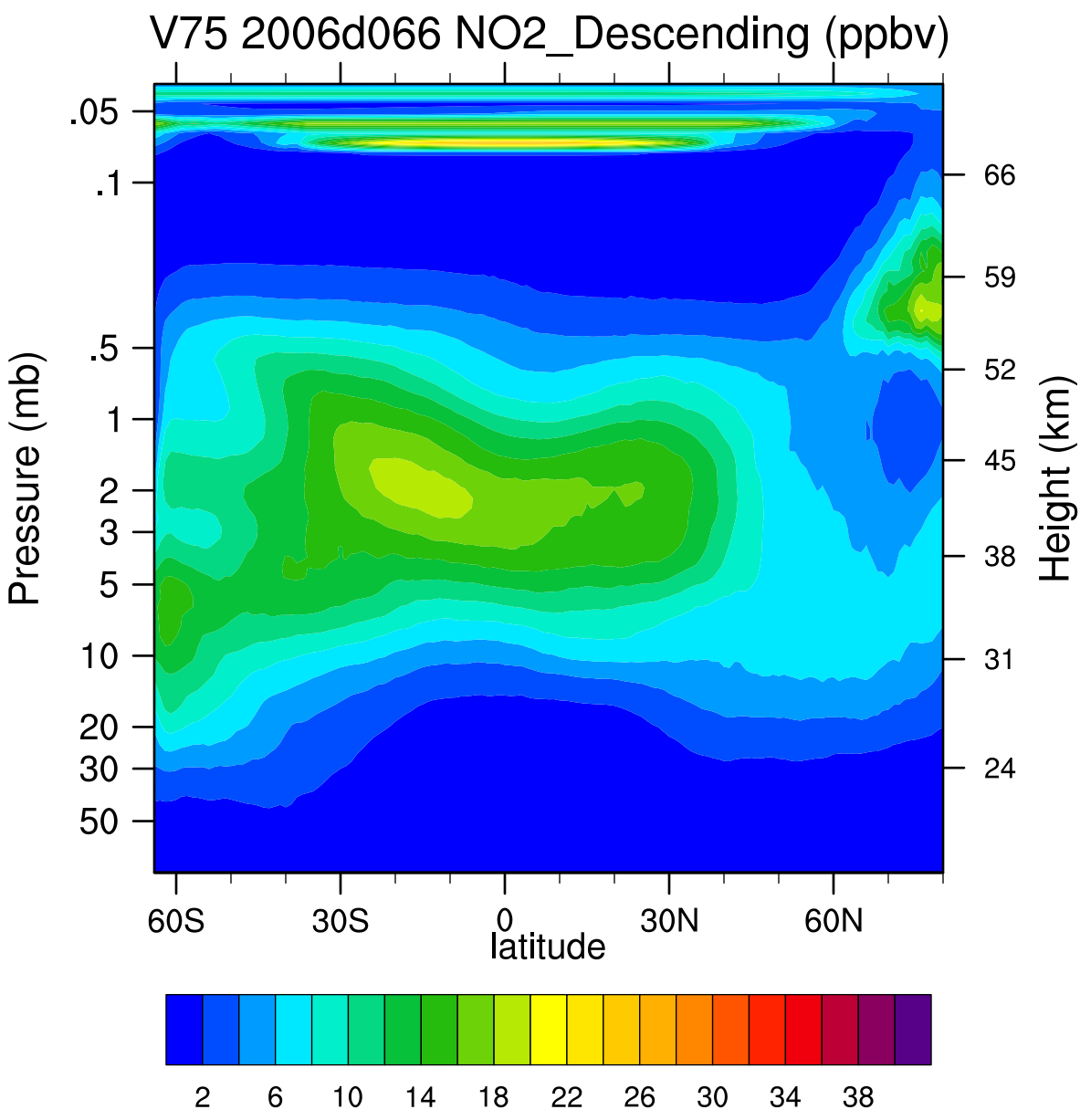
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Pressure (mb)
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59
52
45
38
31
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Height (km)
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60N
latitude
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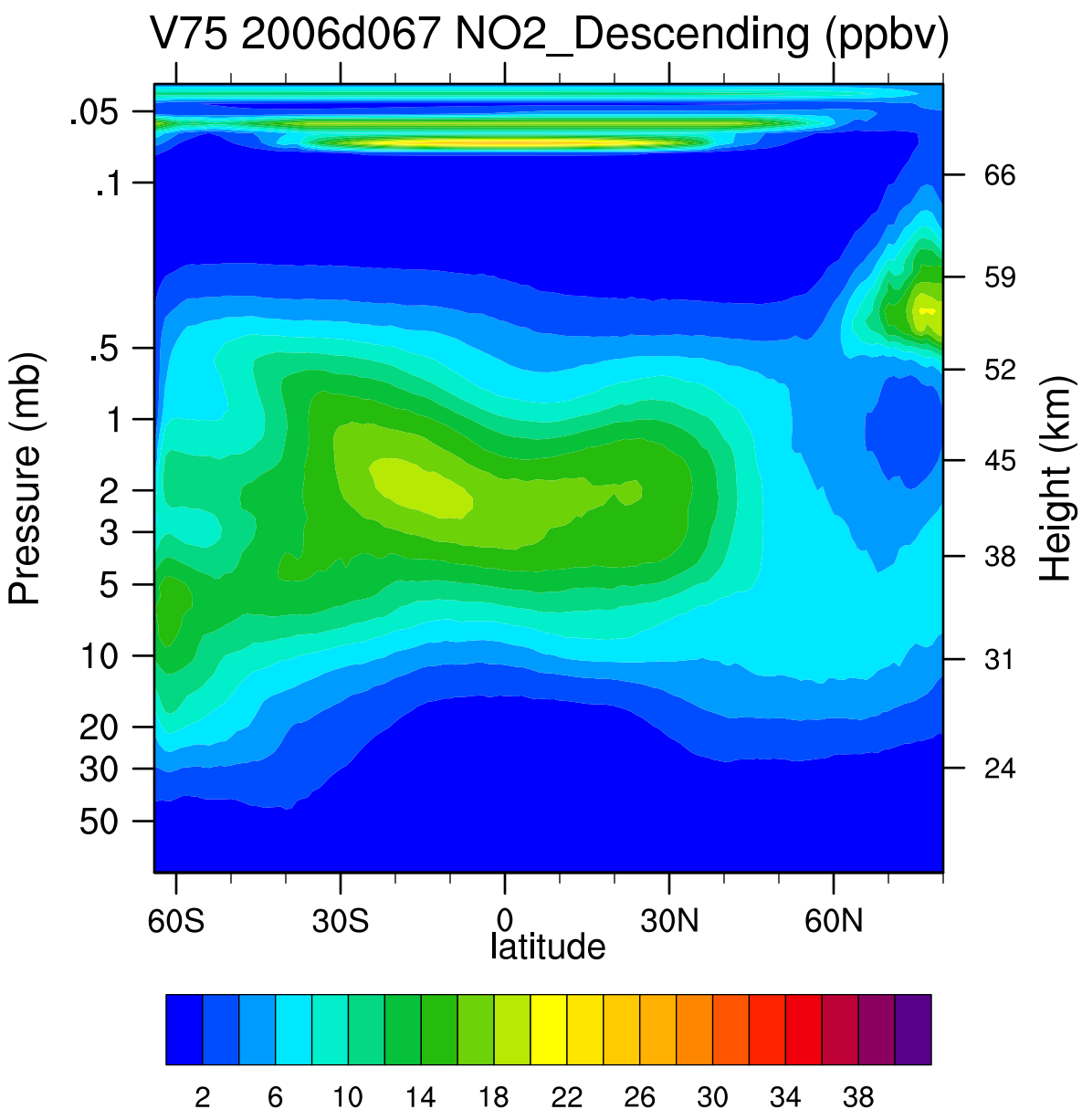
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Pressure (mb)
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latitude
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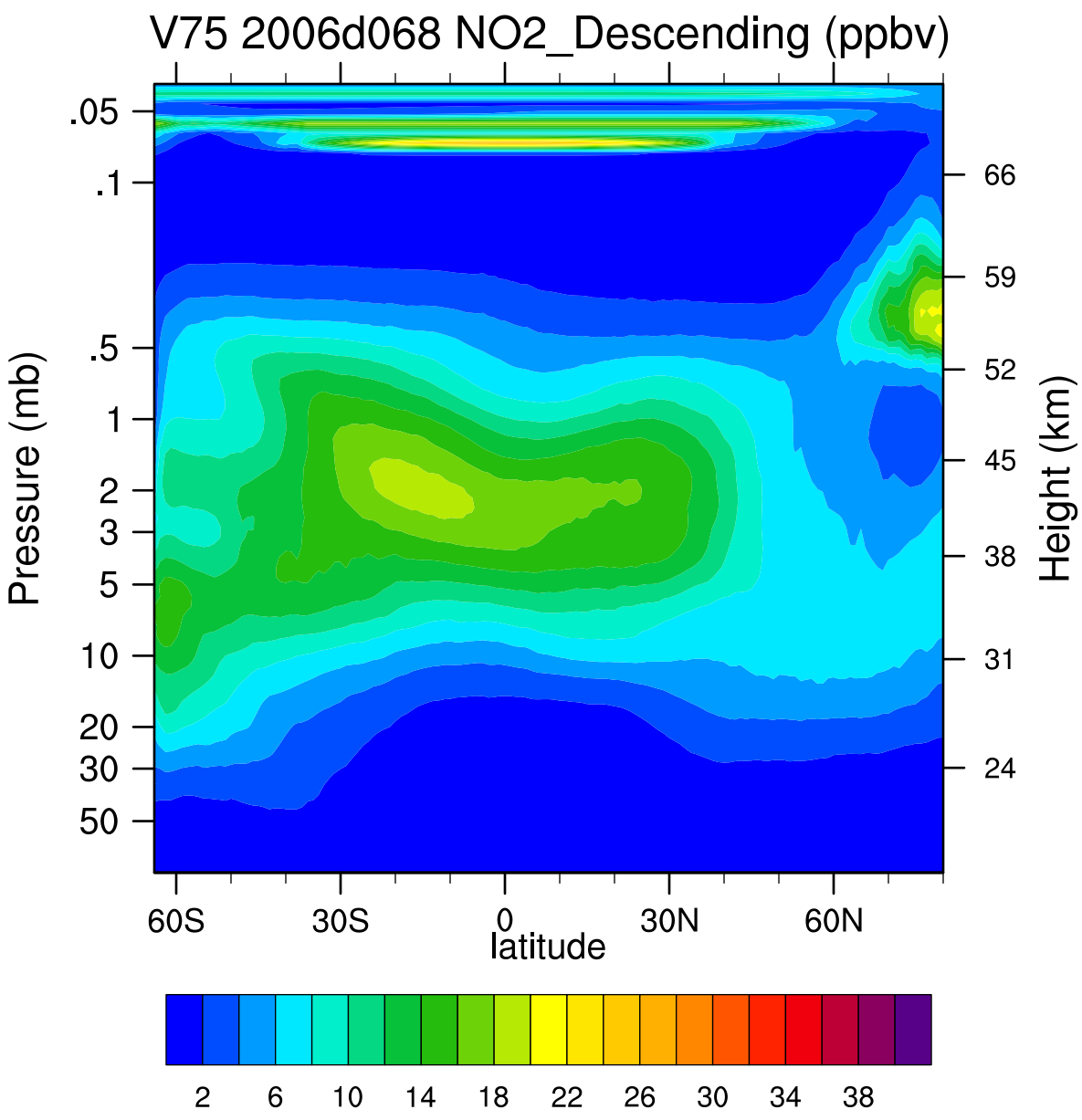
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Pressure (mb)
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latitude
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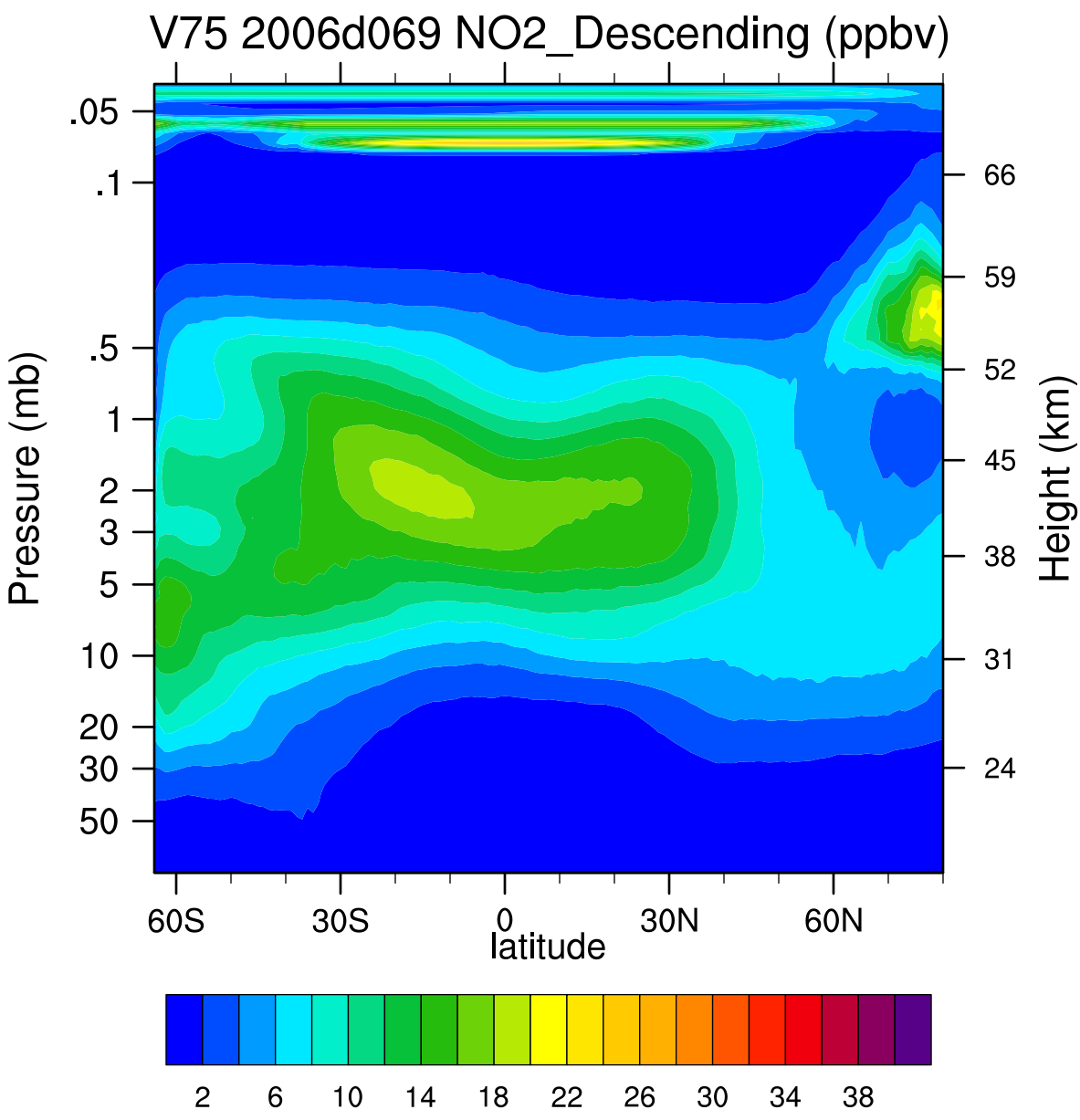
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Height (km)
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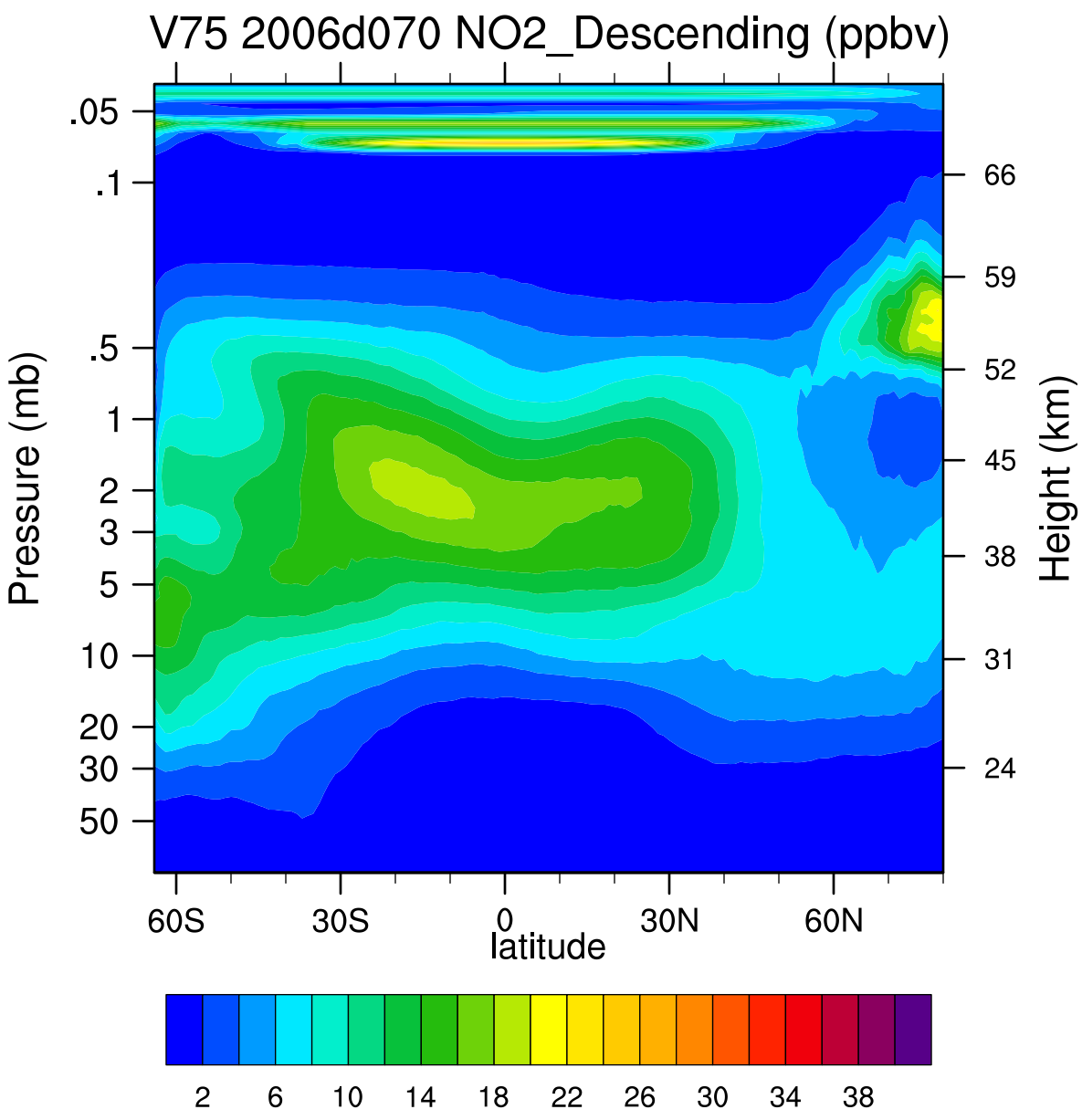
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Height (km)
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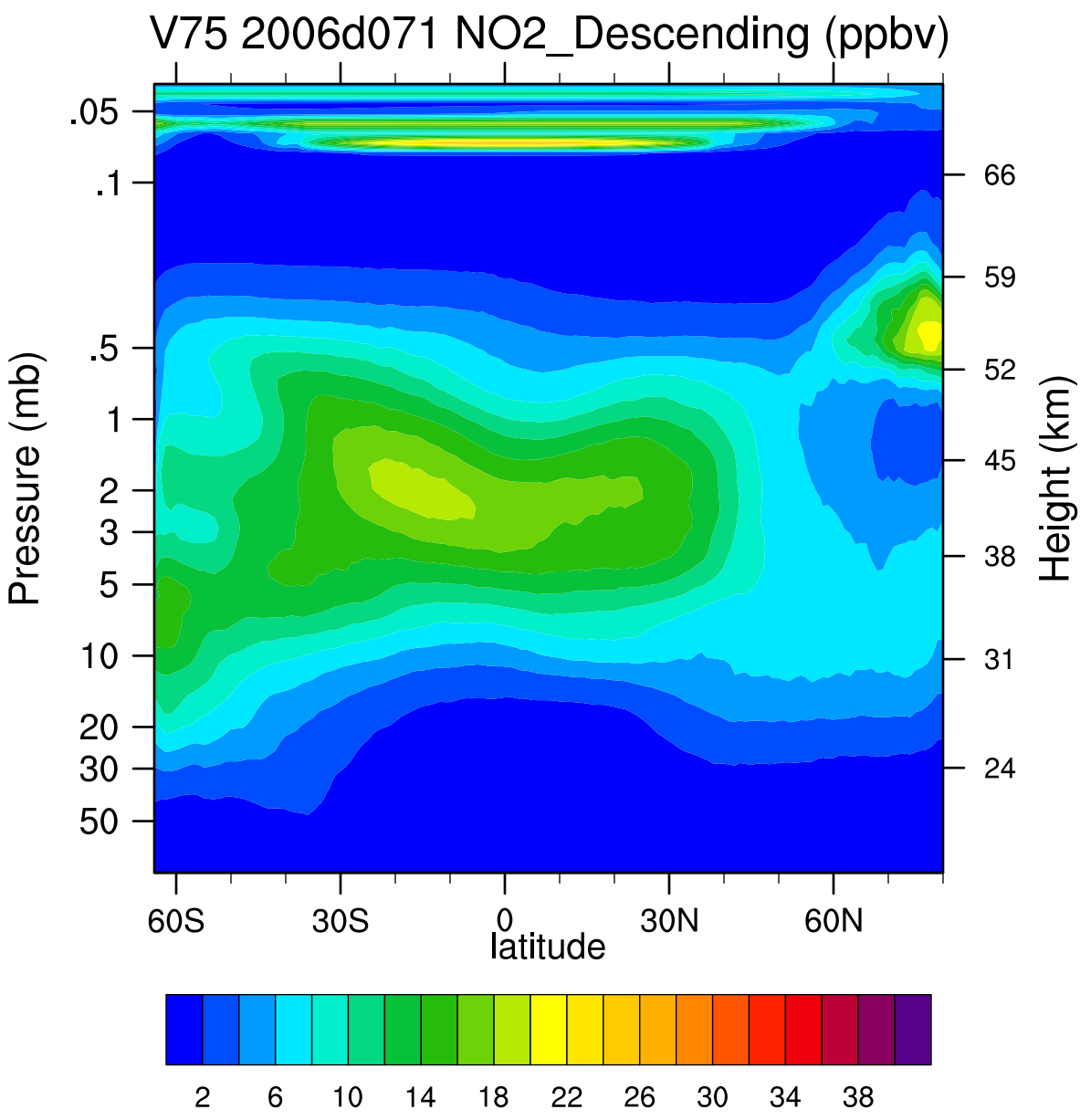
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Height (km)
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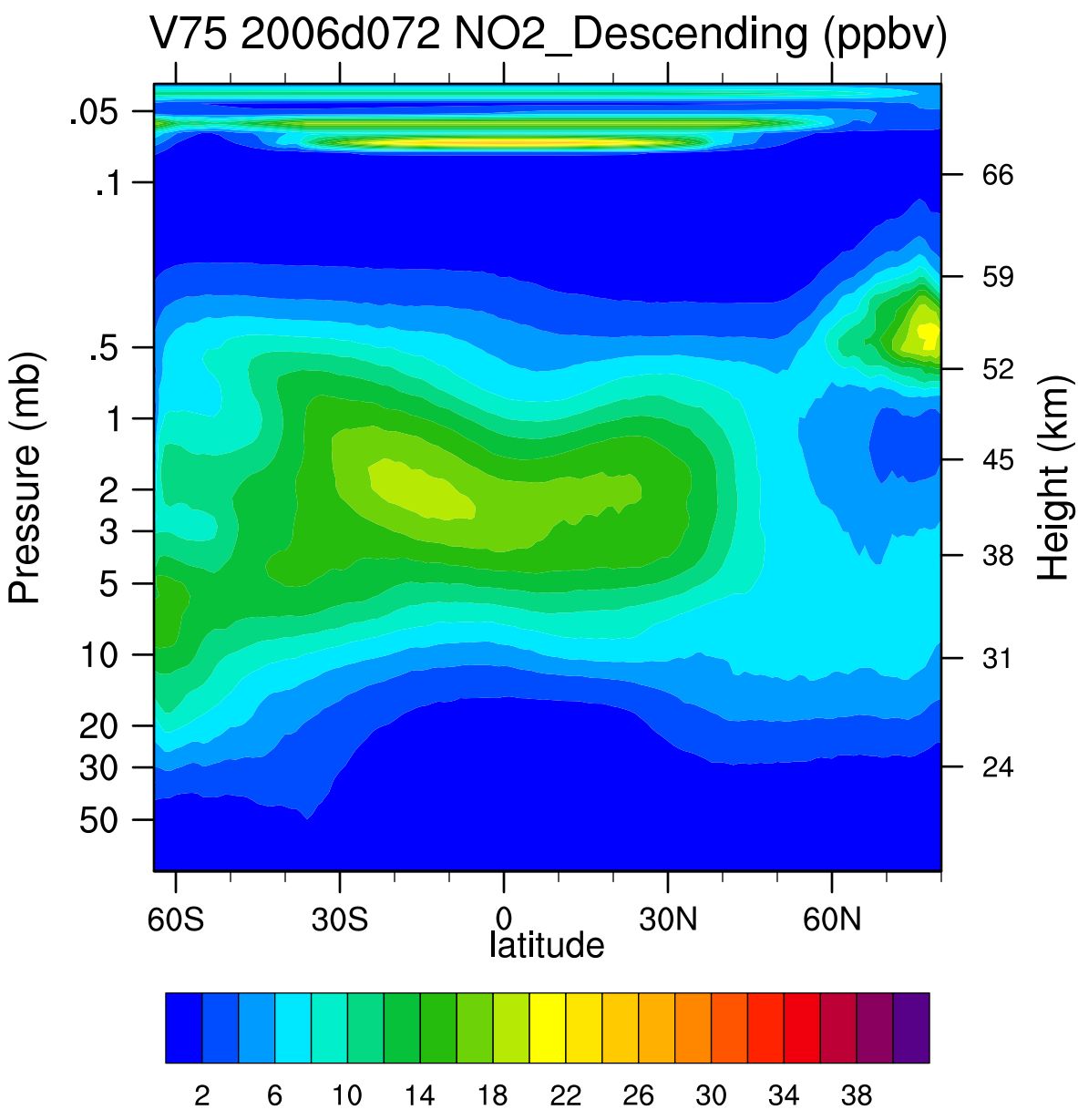
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Height (km)
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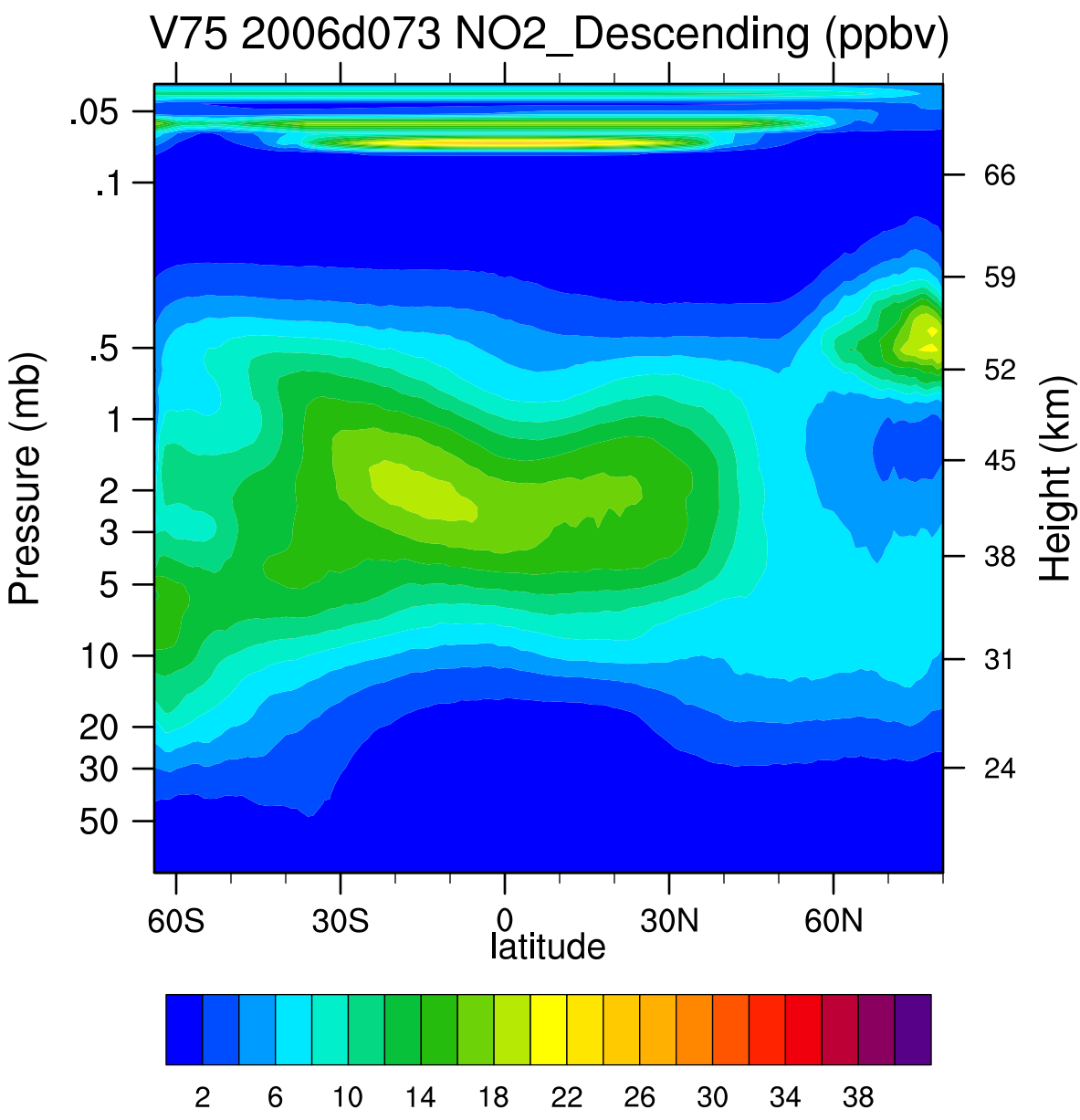
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Pressure (mb)
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Height (km)
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latitude
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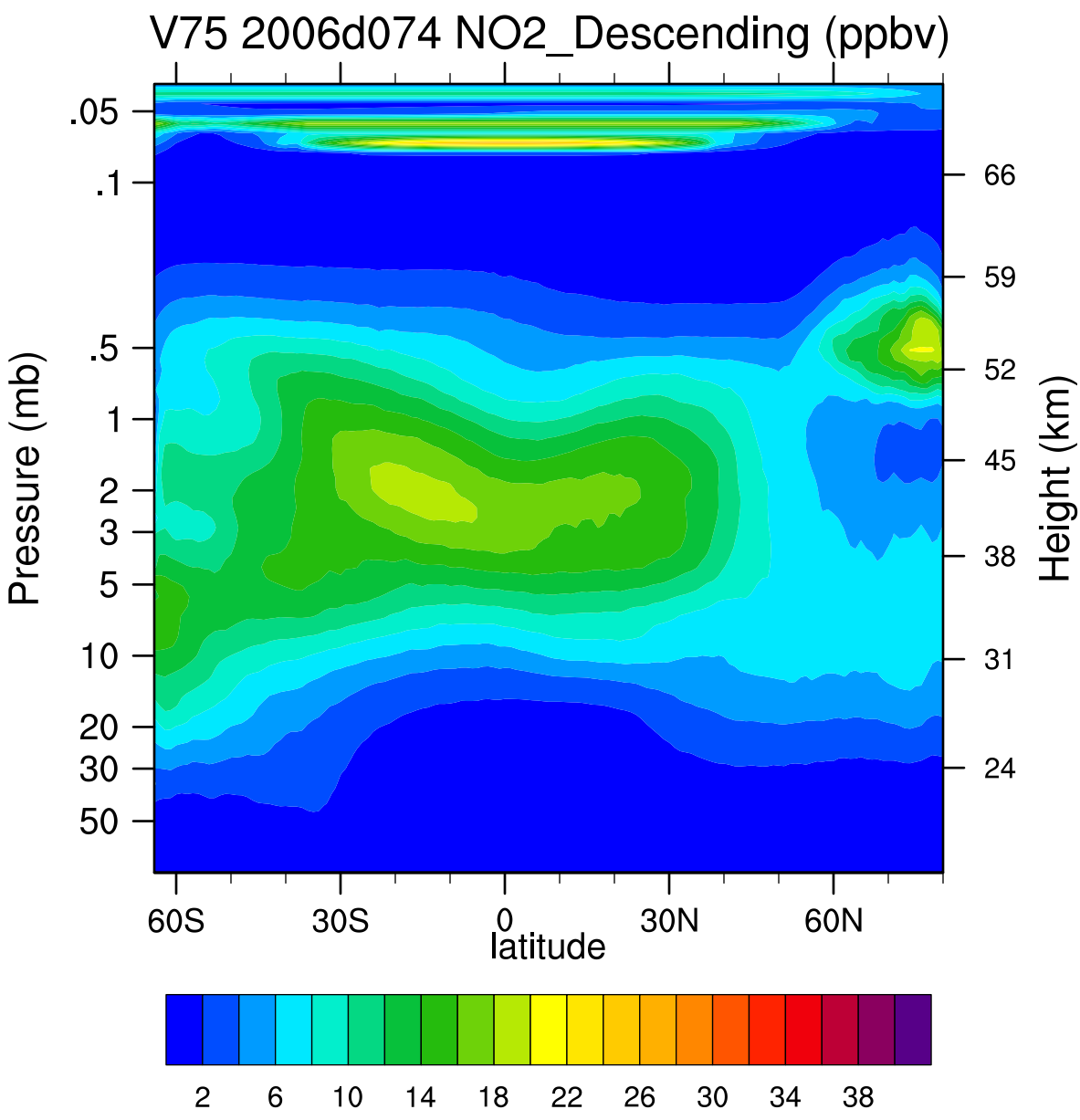
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Pressure (mb)
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Height (km)
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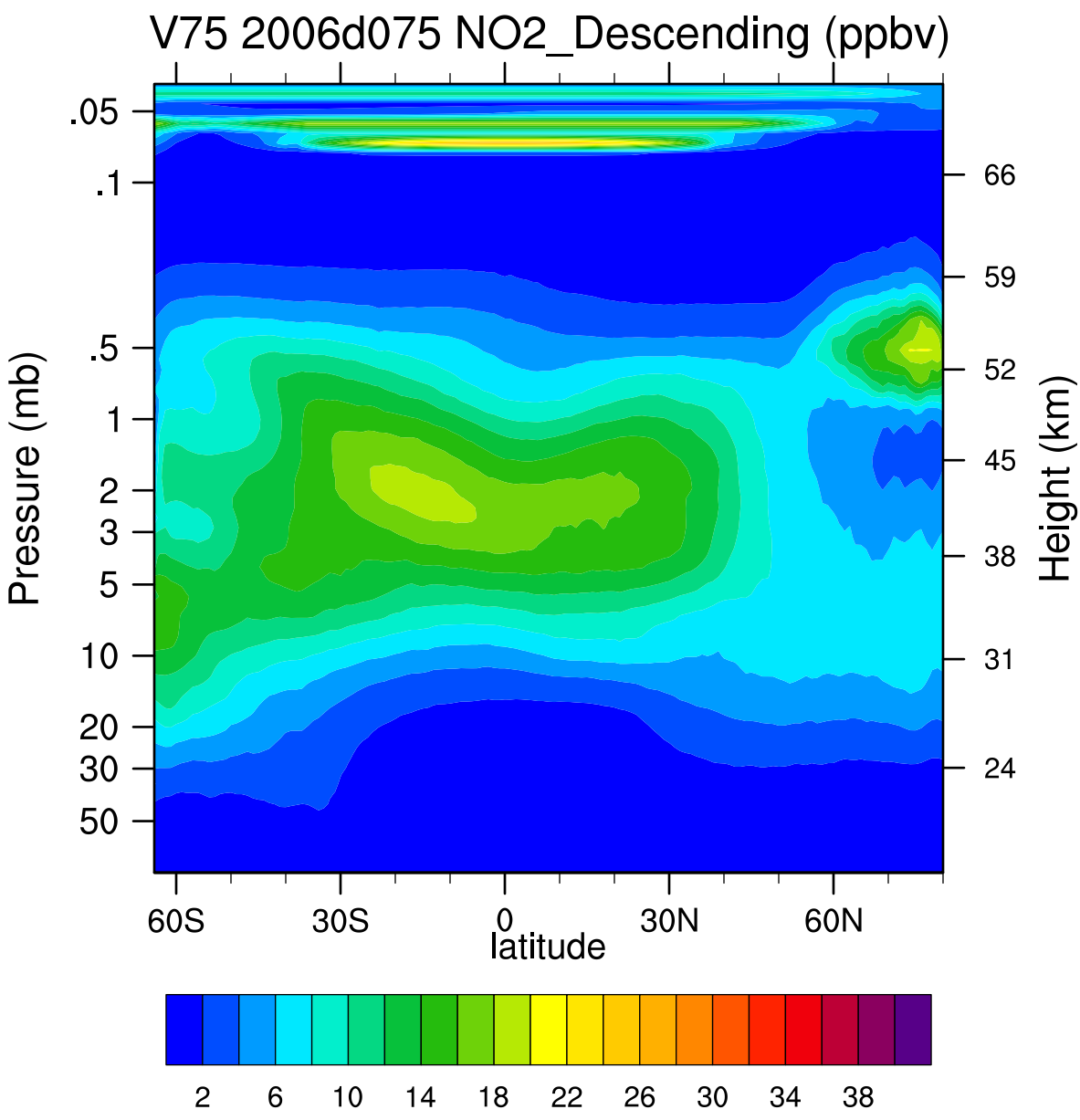
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Pressure (mb)
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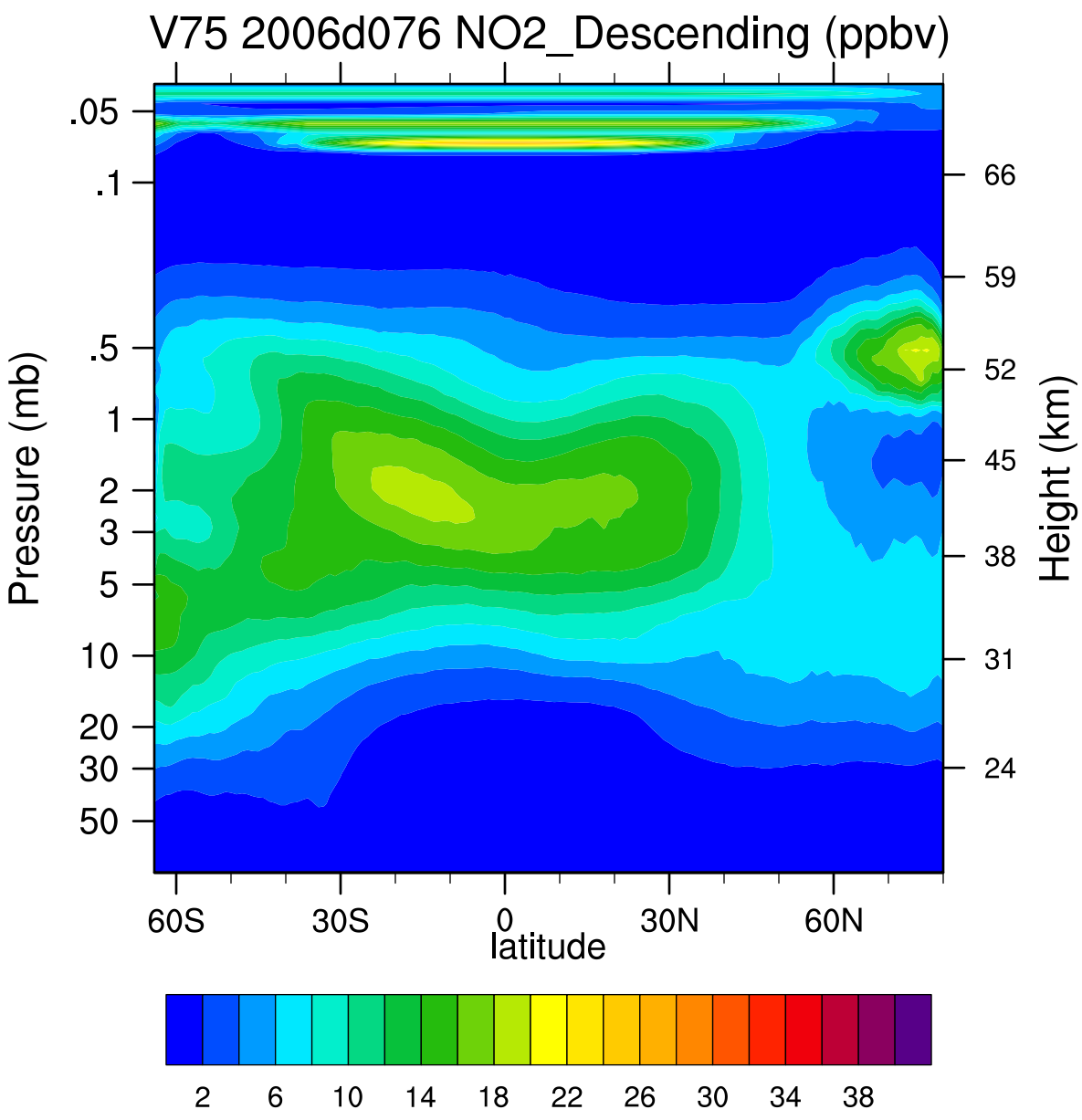
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Height (km)
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latitude
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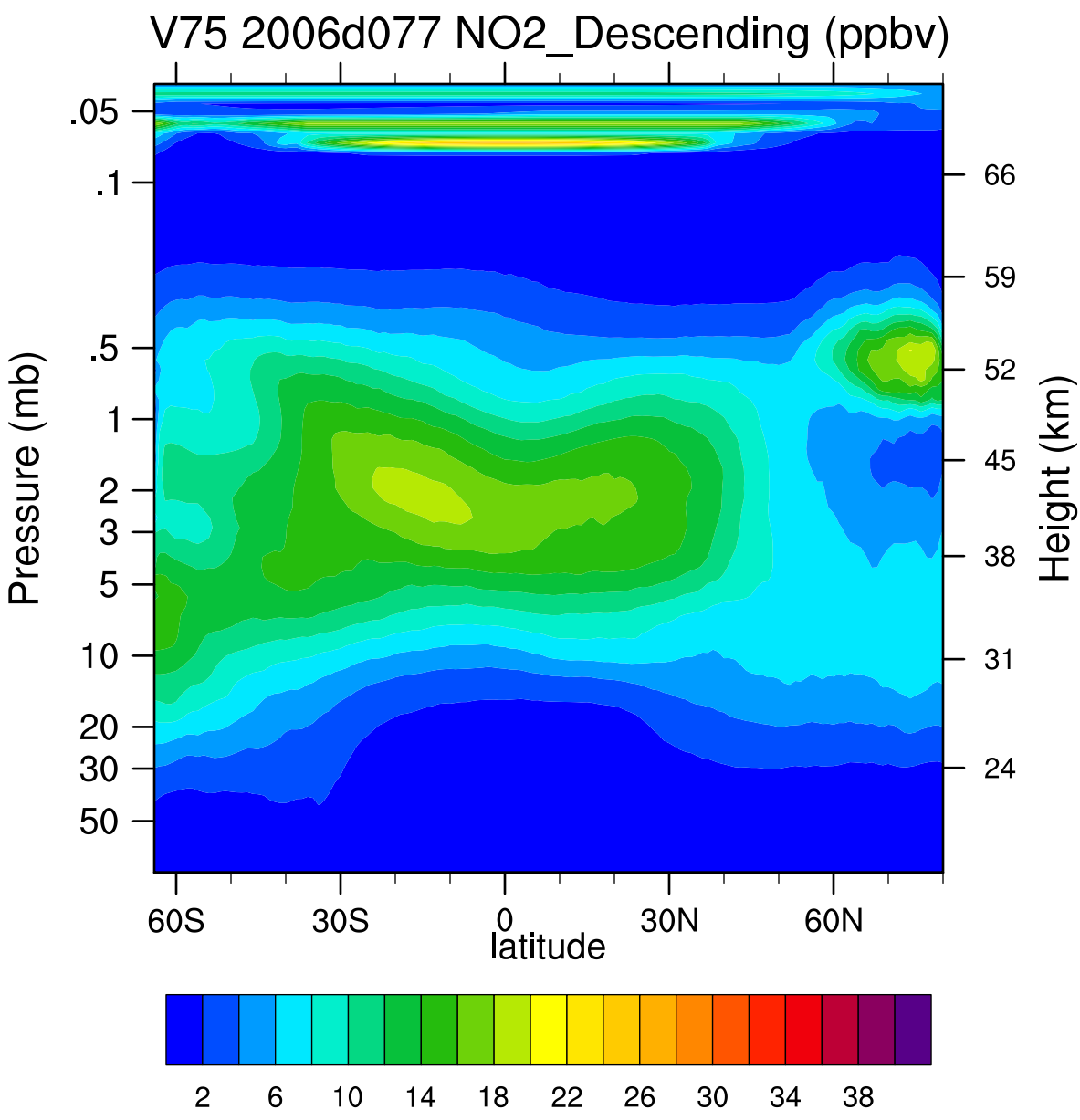
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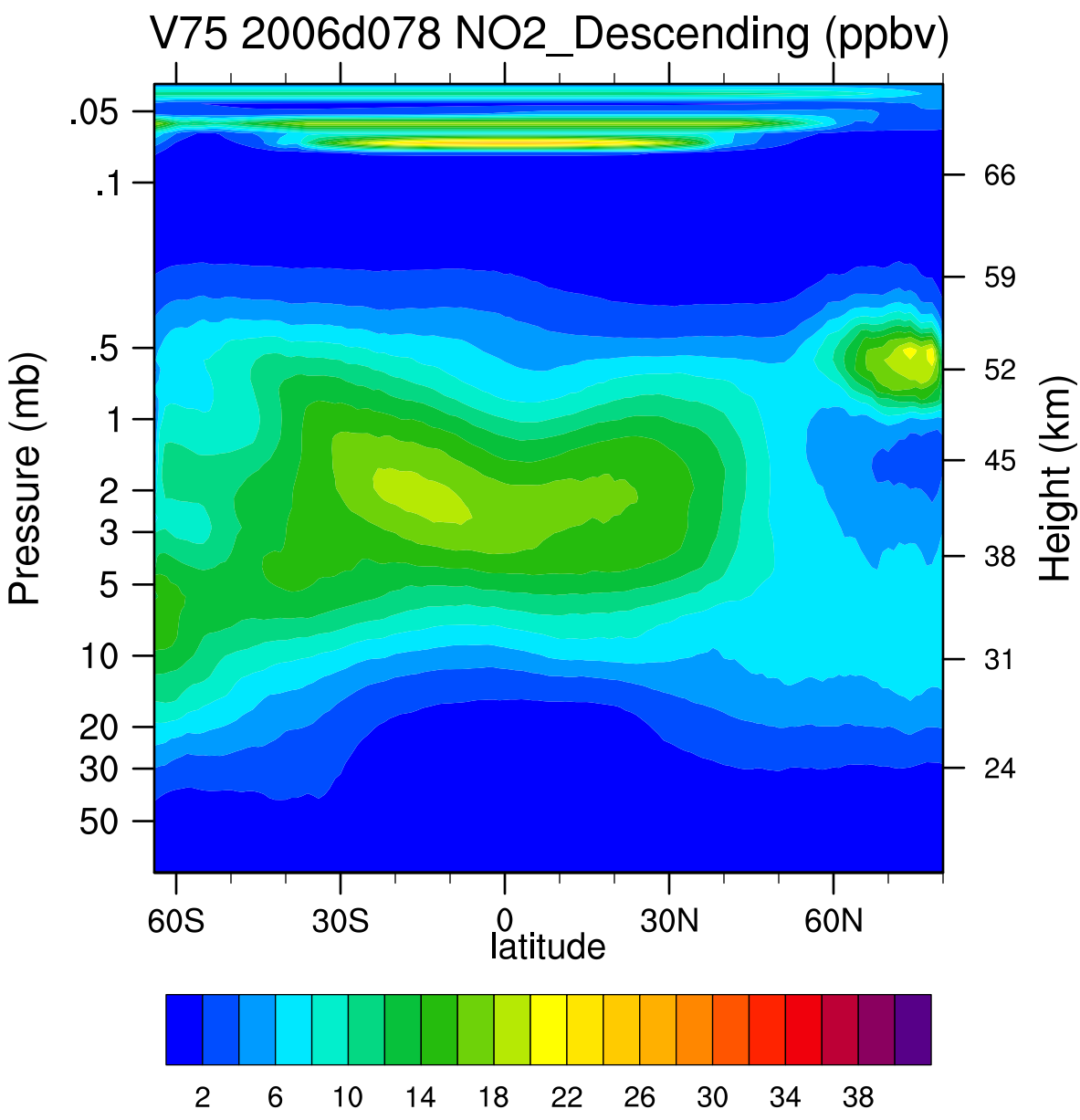
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Height (km)
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latitude
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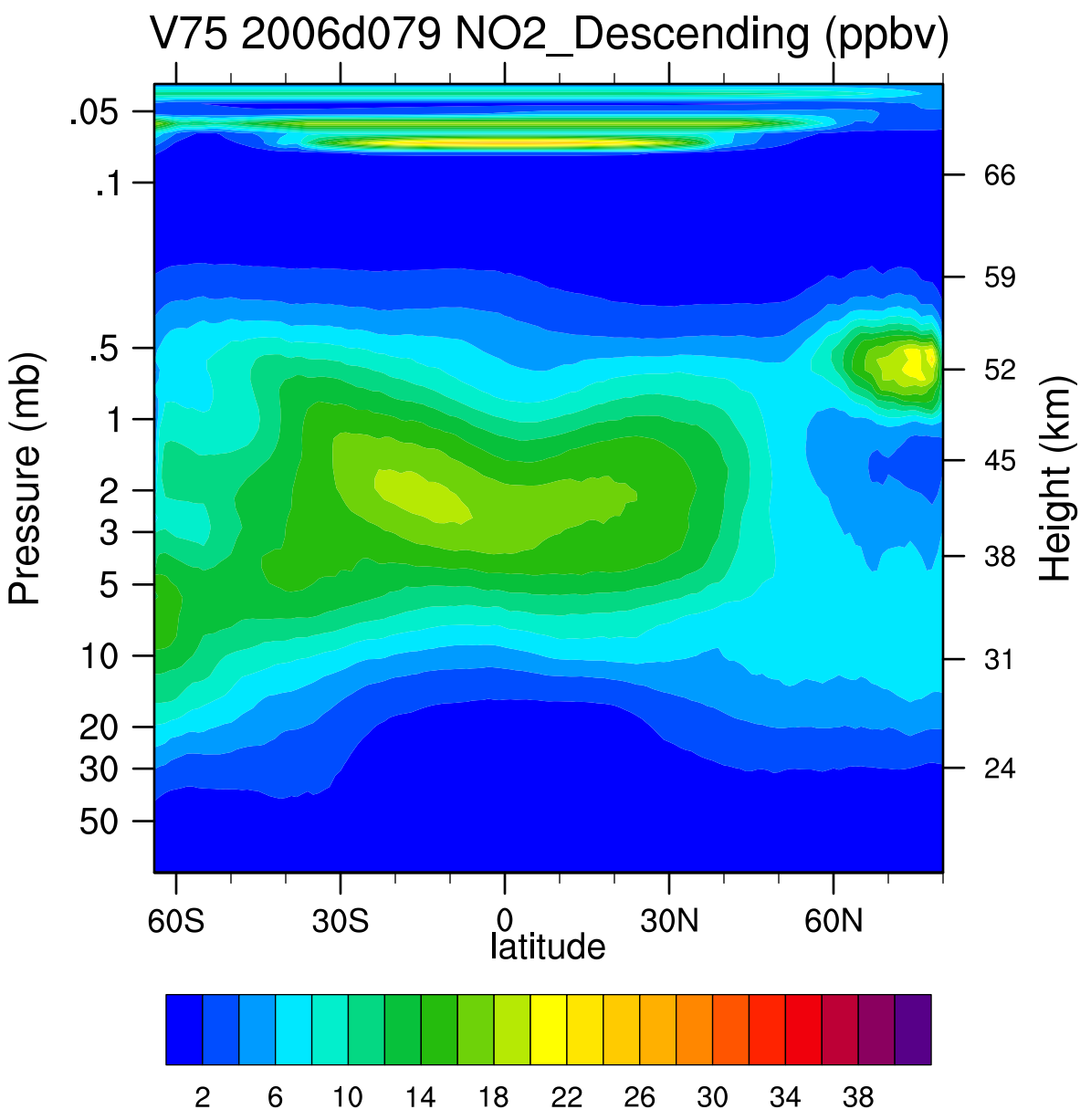
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Height (km)
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latitude
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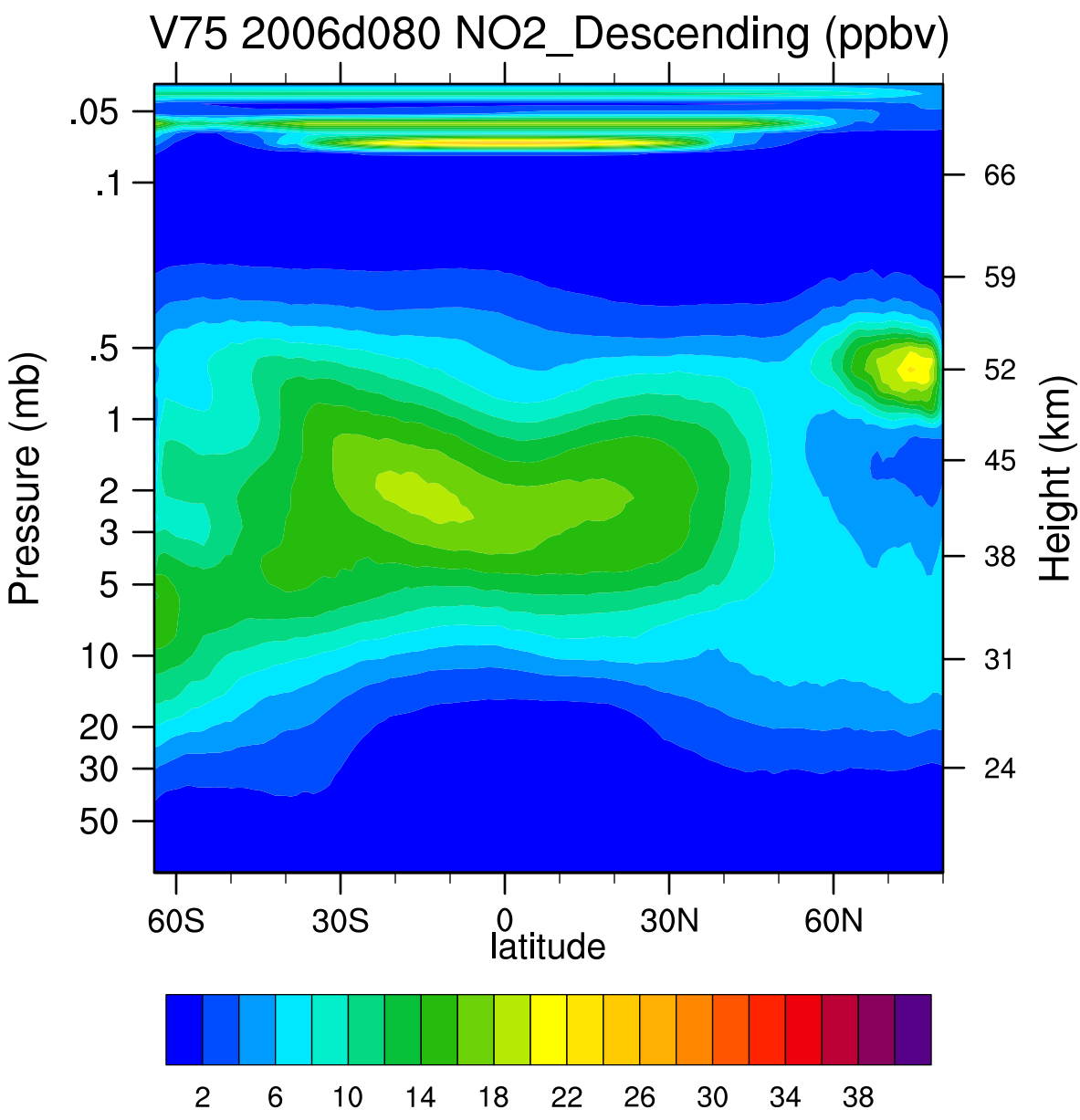
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Height (km)
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latitude
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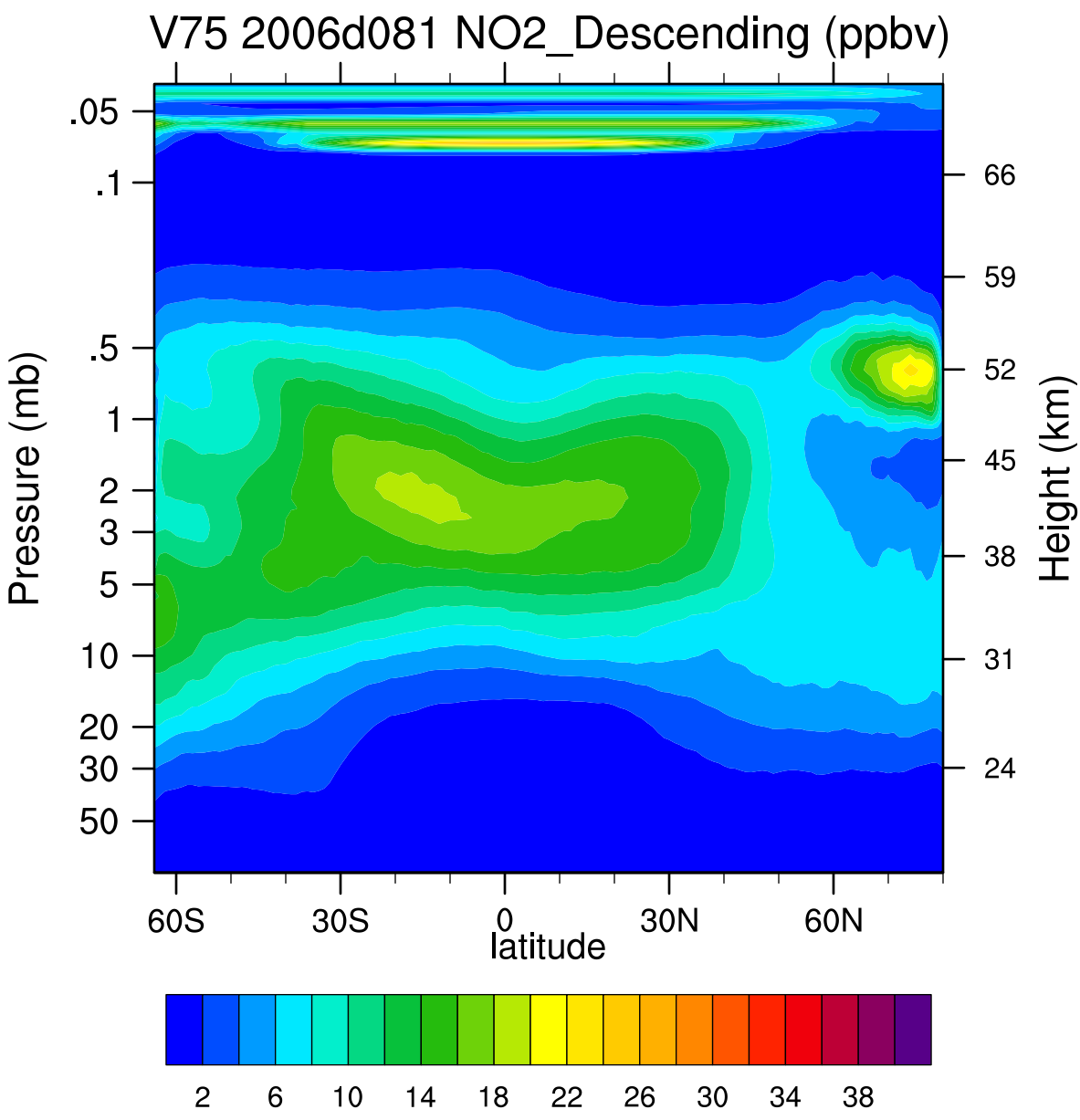
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Height (km)
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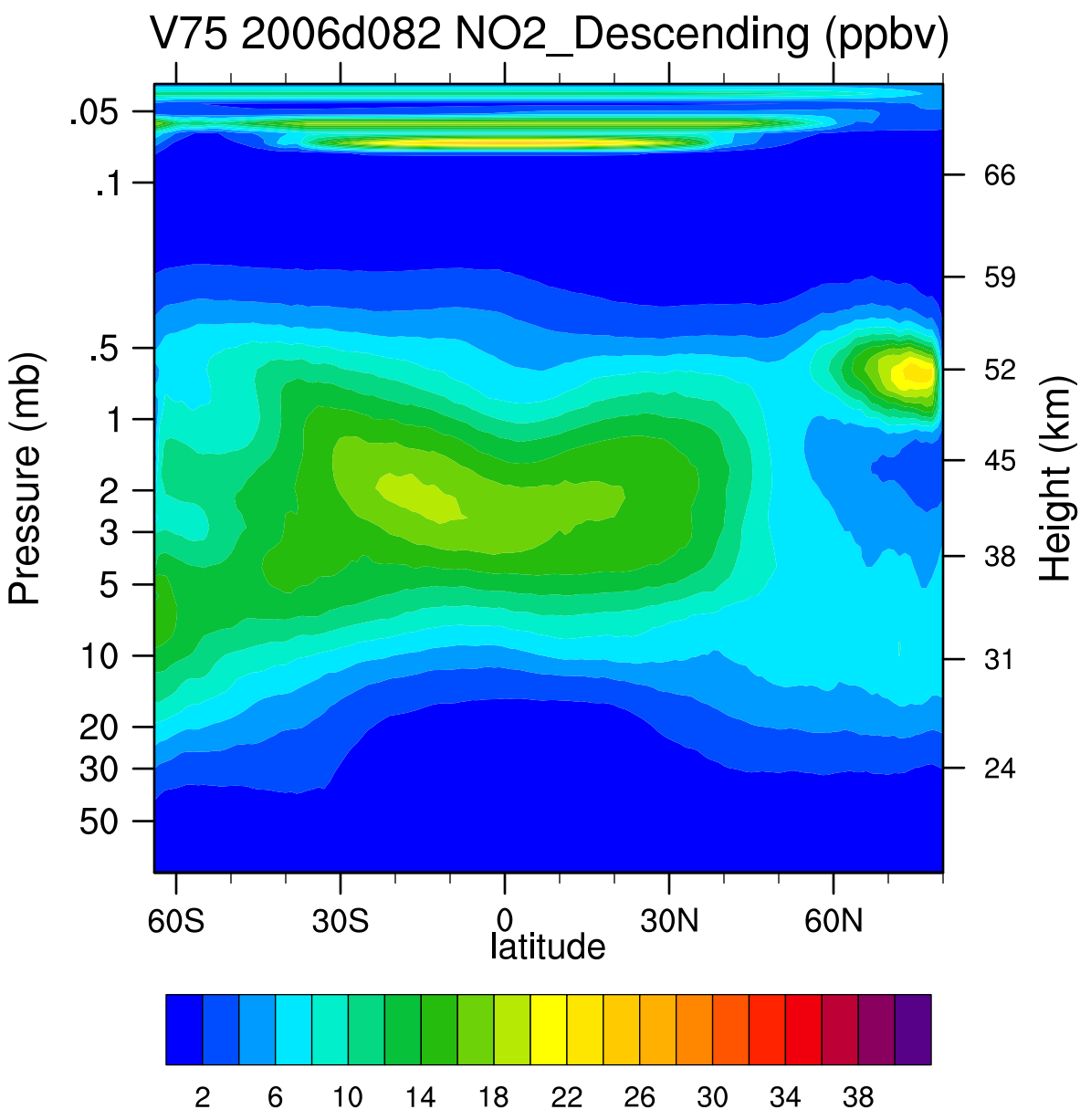
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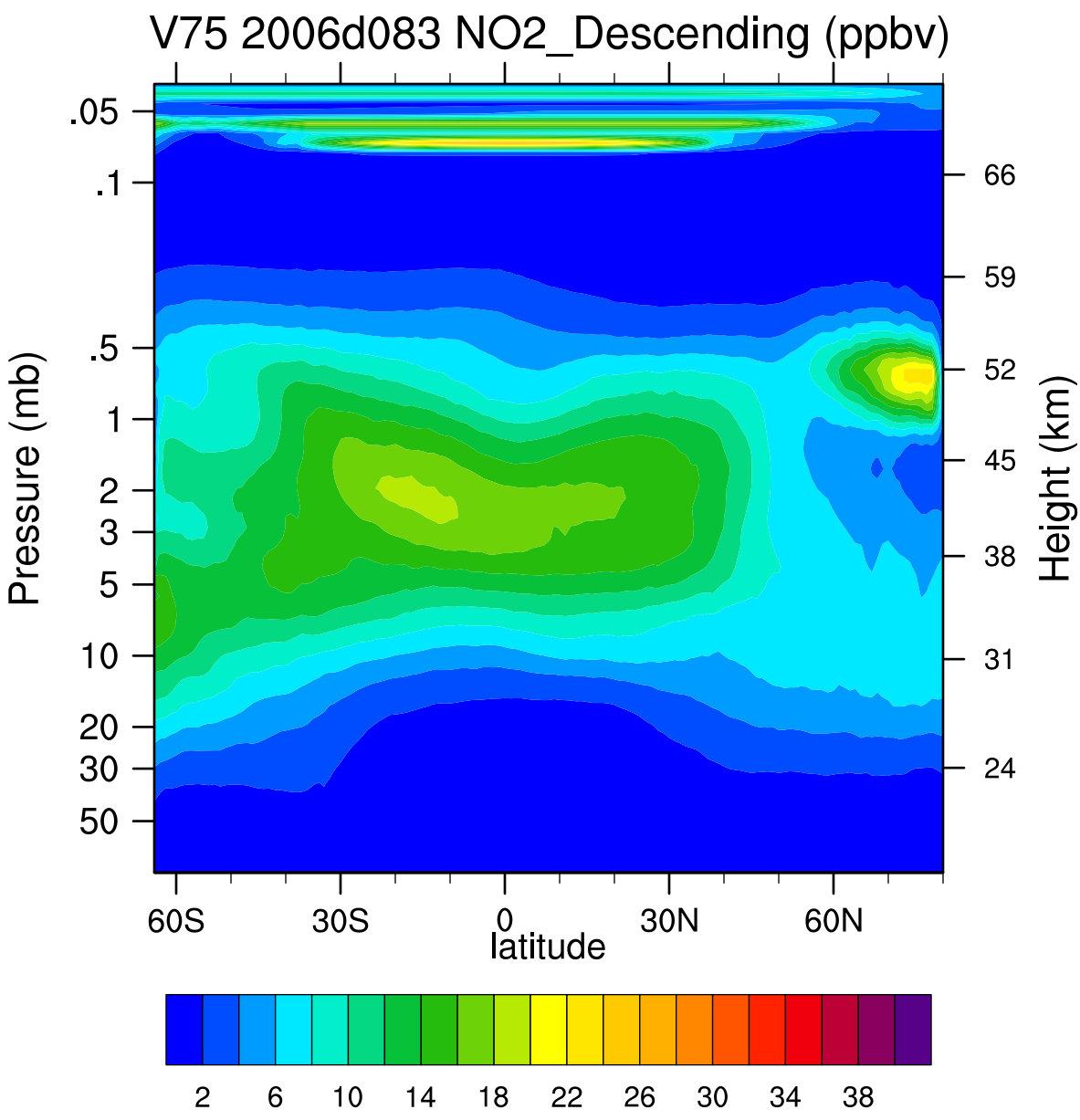
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Height (km)
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latitude
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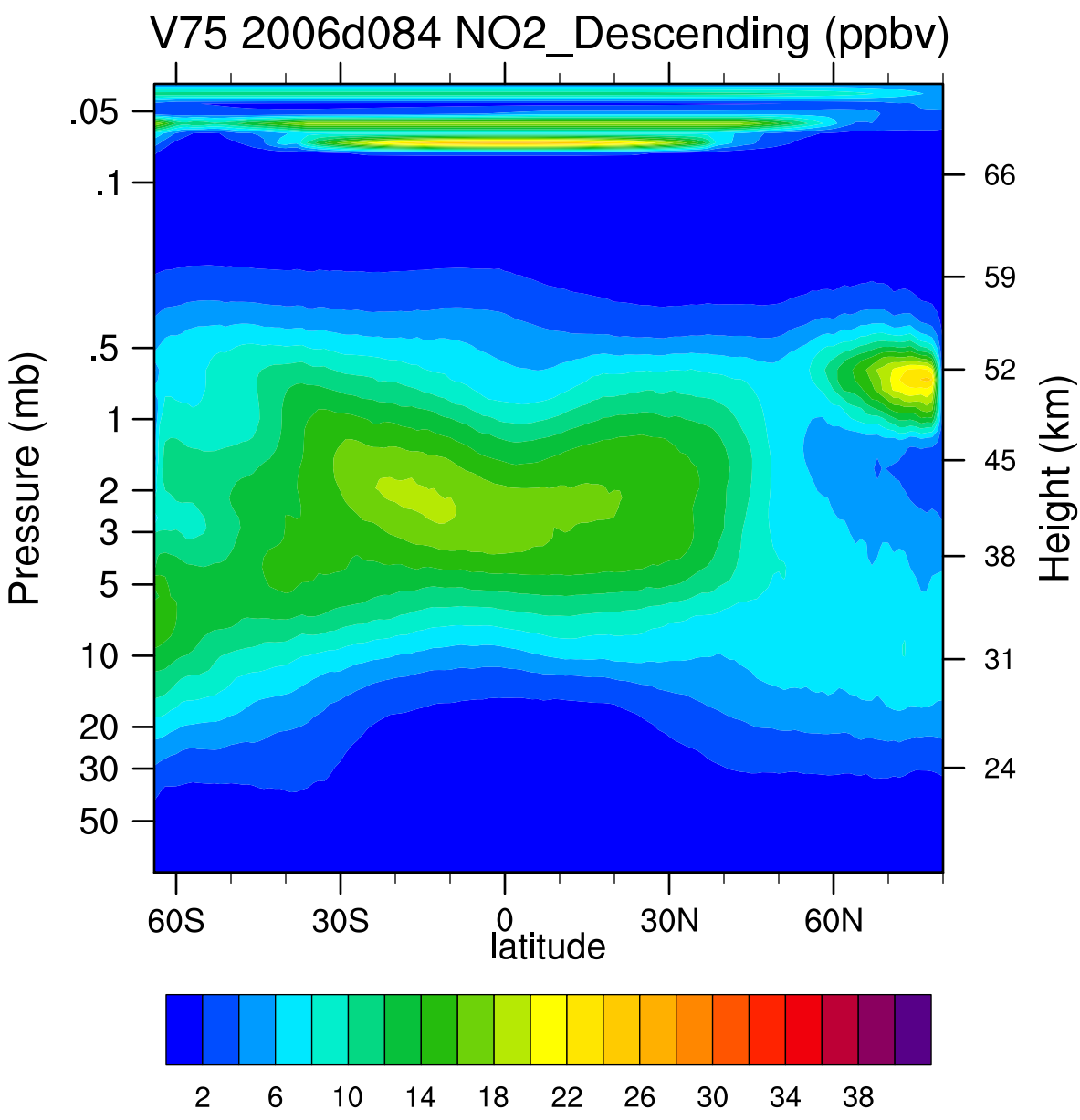
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Height (km)
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60N
latitude
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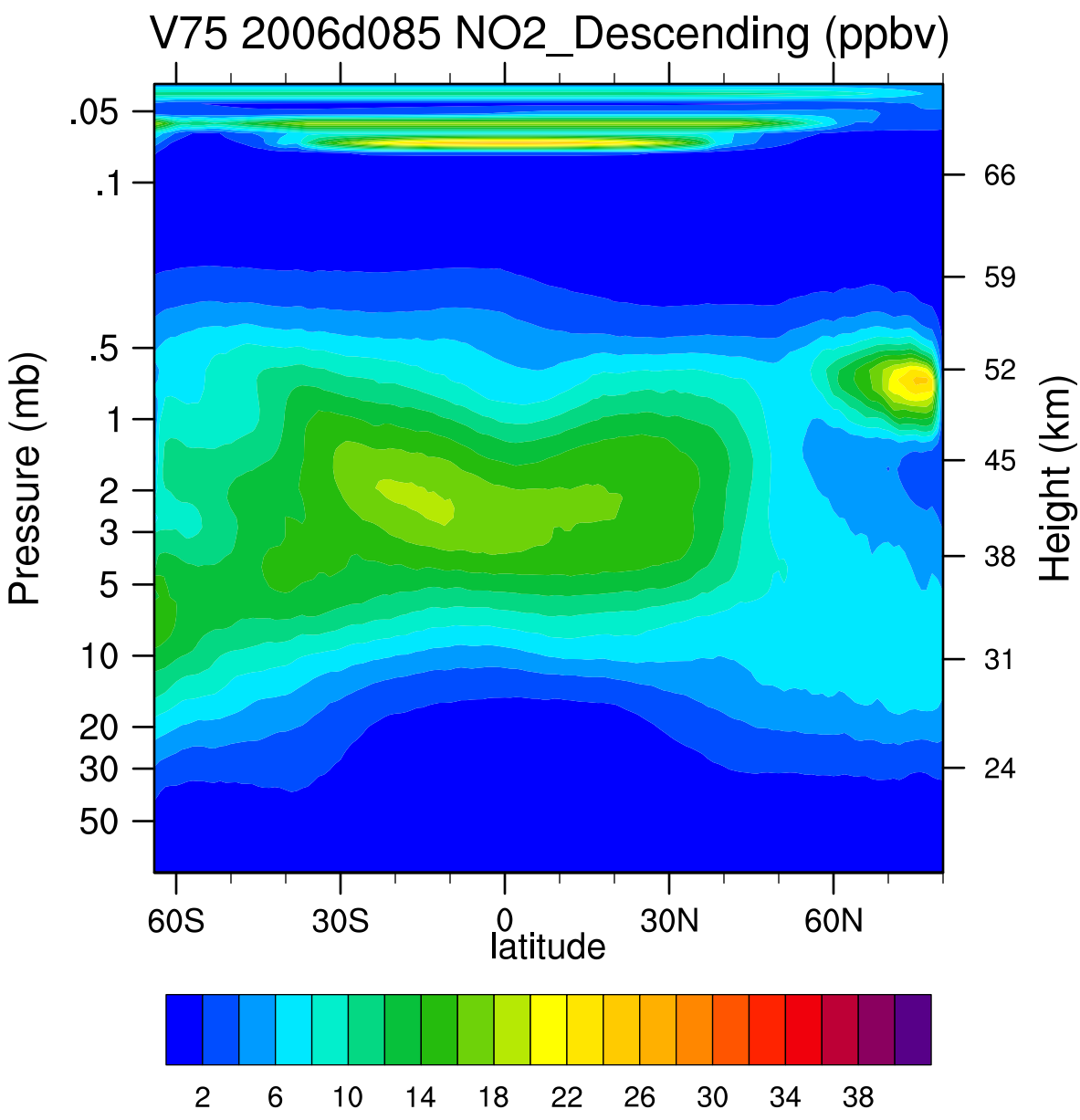
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Height (km)
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latitude
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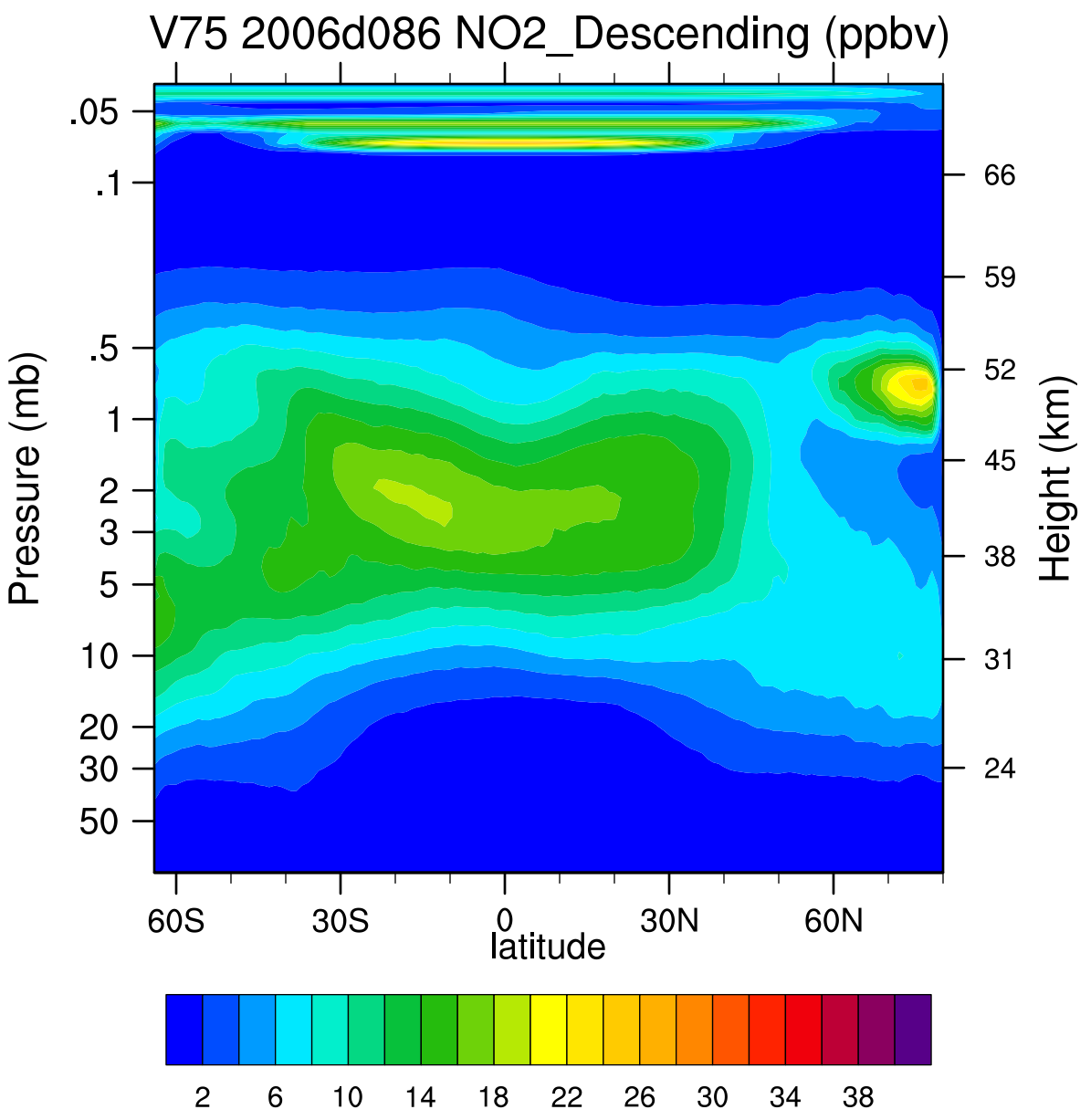
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Height (km)
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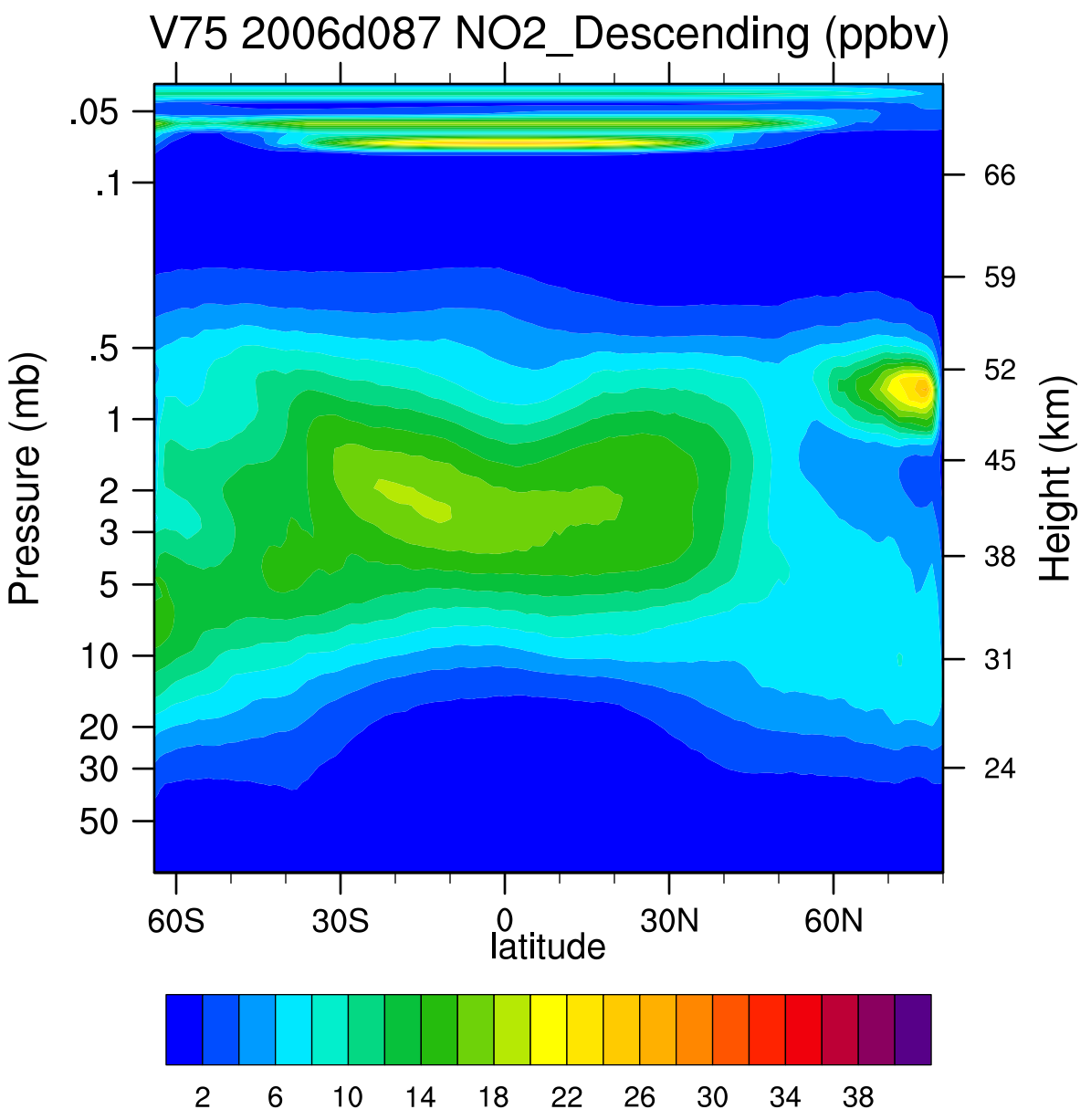
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Pressure (mb)
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latitude
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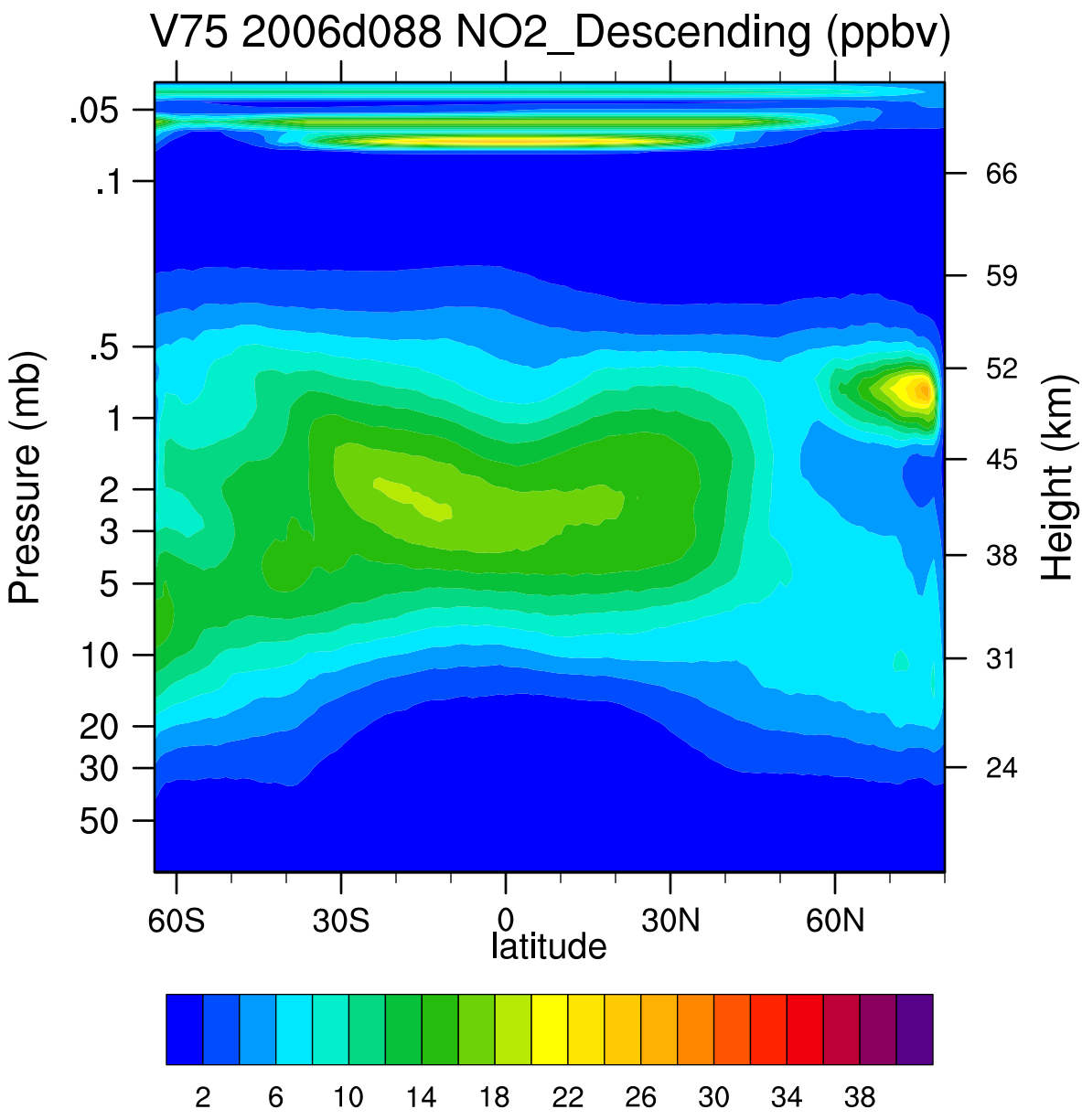
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Height (km)
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latitude
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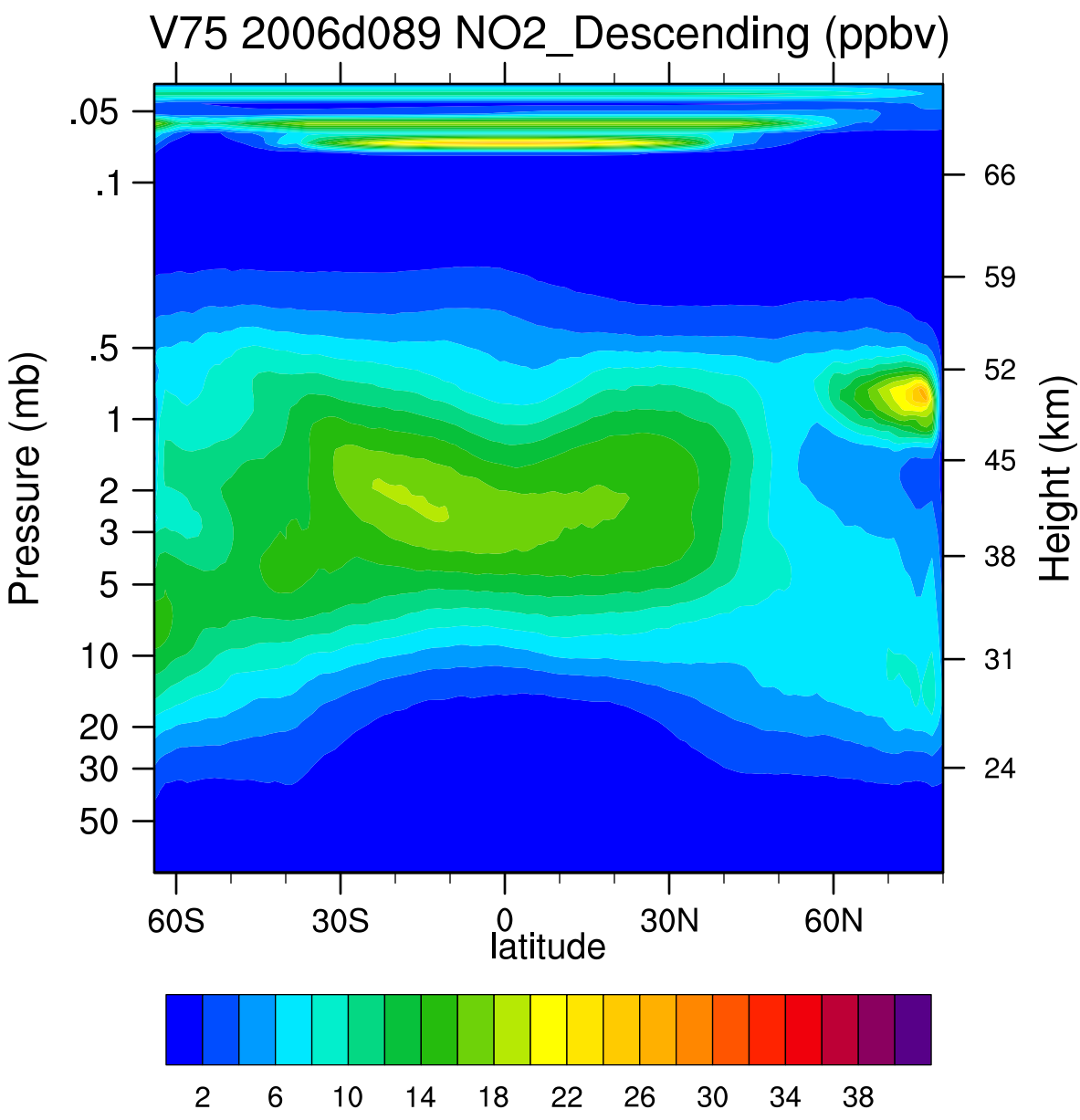
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Pressure (mb)
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Height (km)
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latitude
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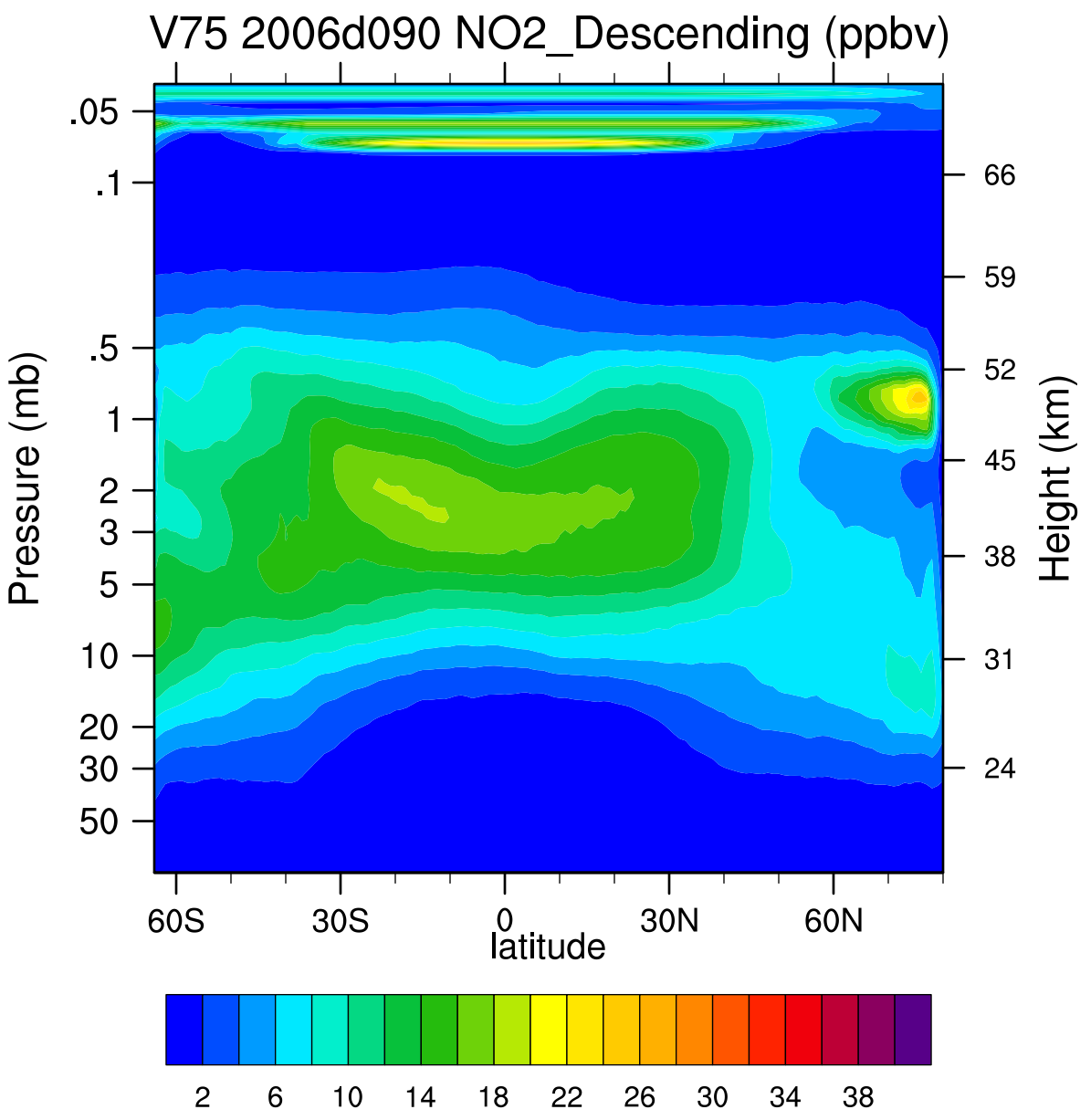
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Pressure (mb)
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Height (km)
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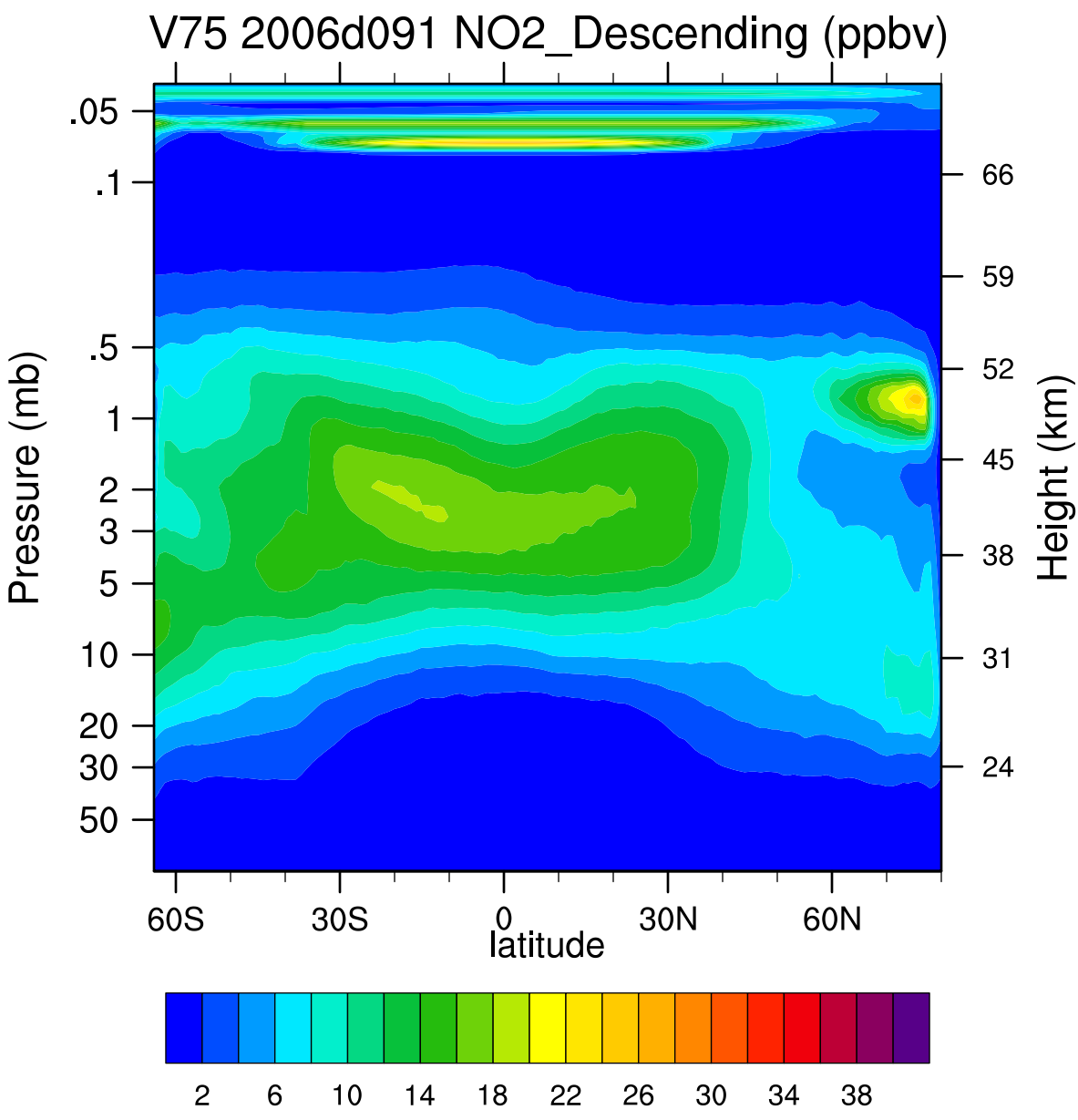
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Height (km)
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latitude
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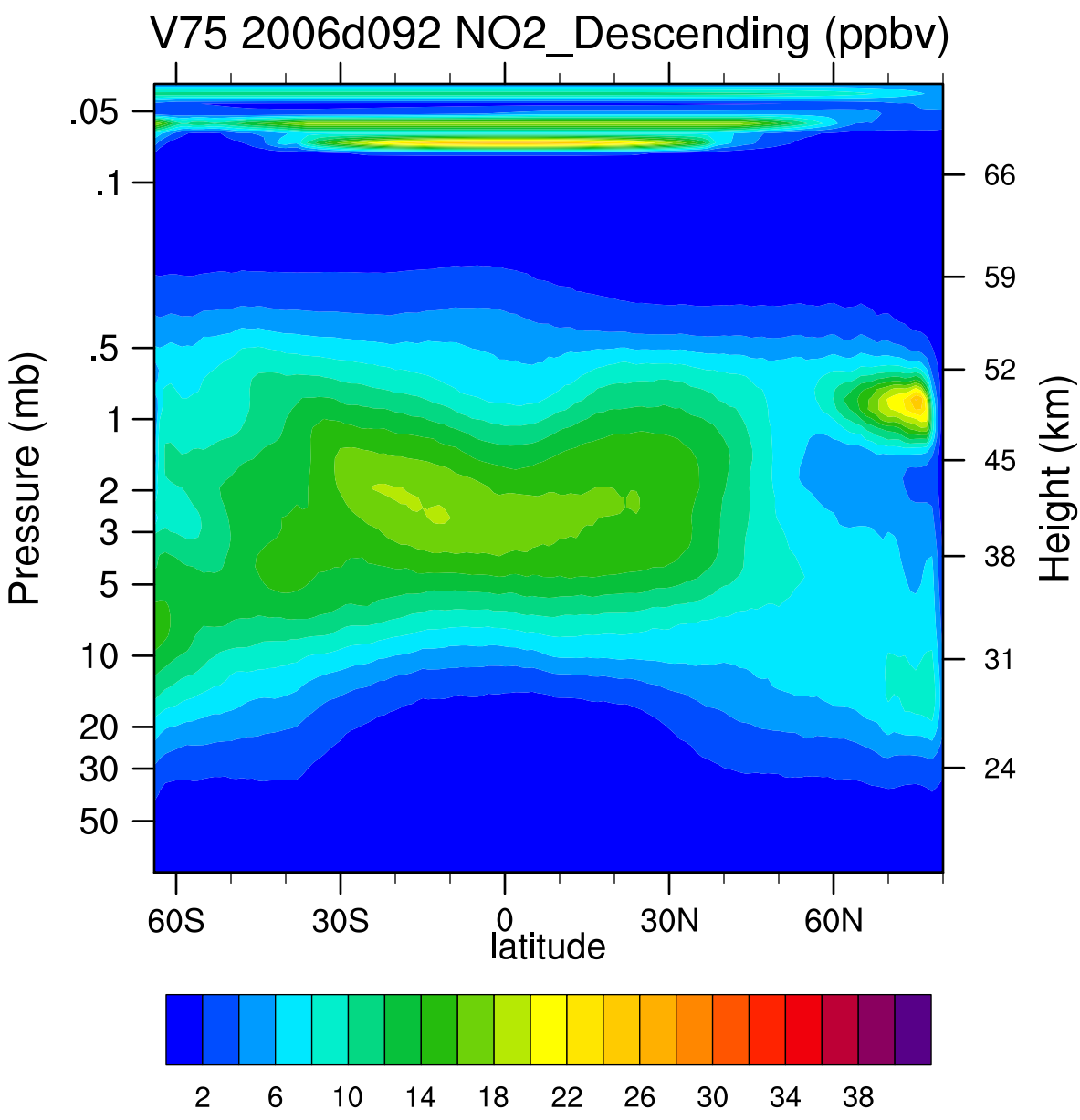
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Pressure (mb)
66
59
52
45
38
31
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Height (km)
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30S
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30N
60N
latitude
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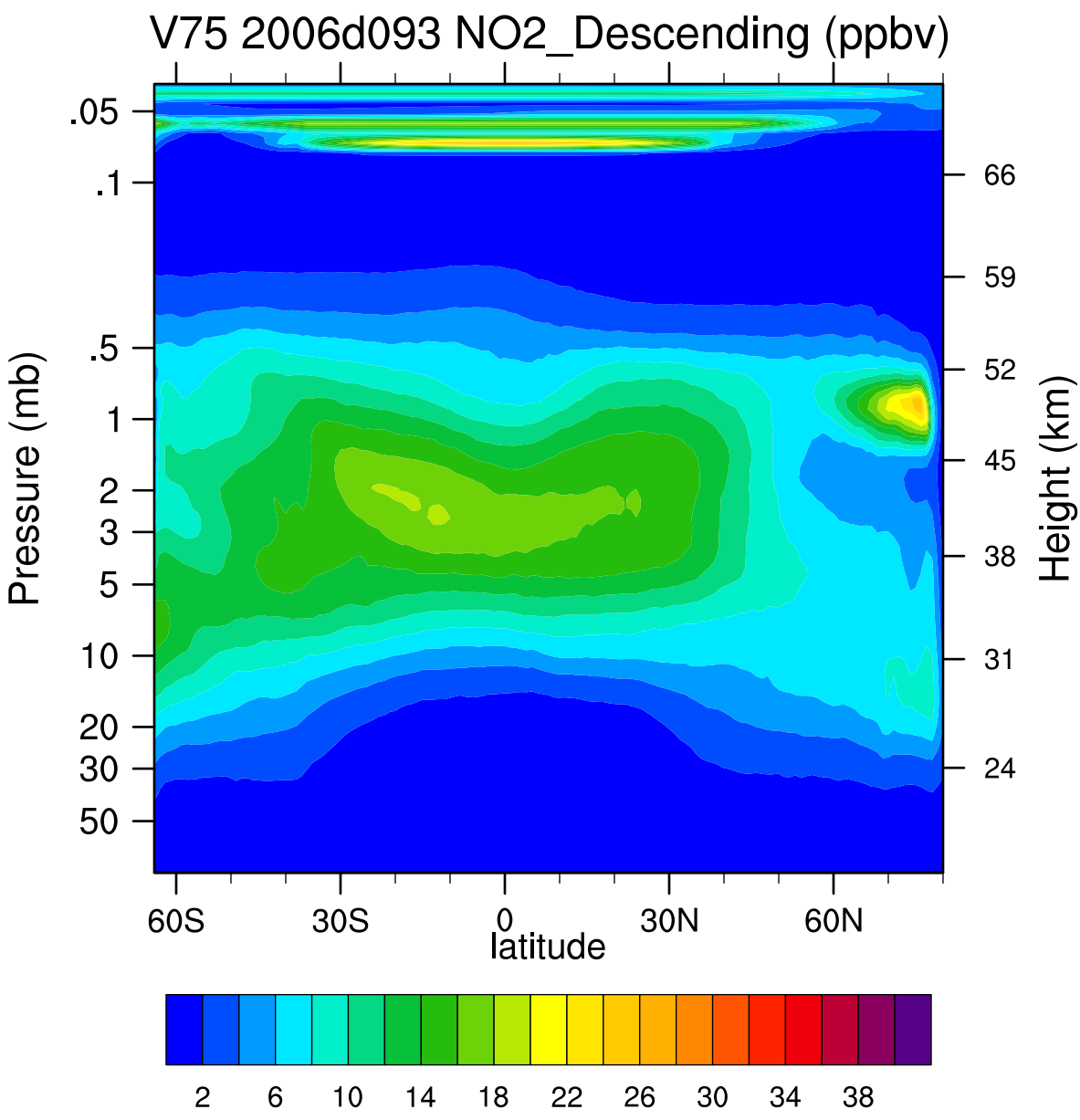
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Pressure (mb)
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52
45
38
31
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Height (km)
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60N
latitude
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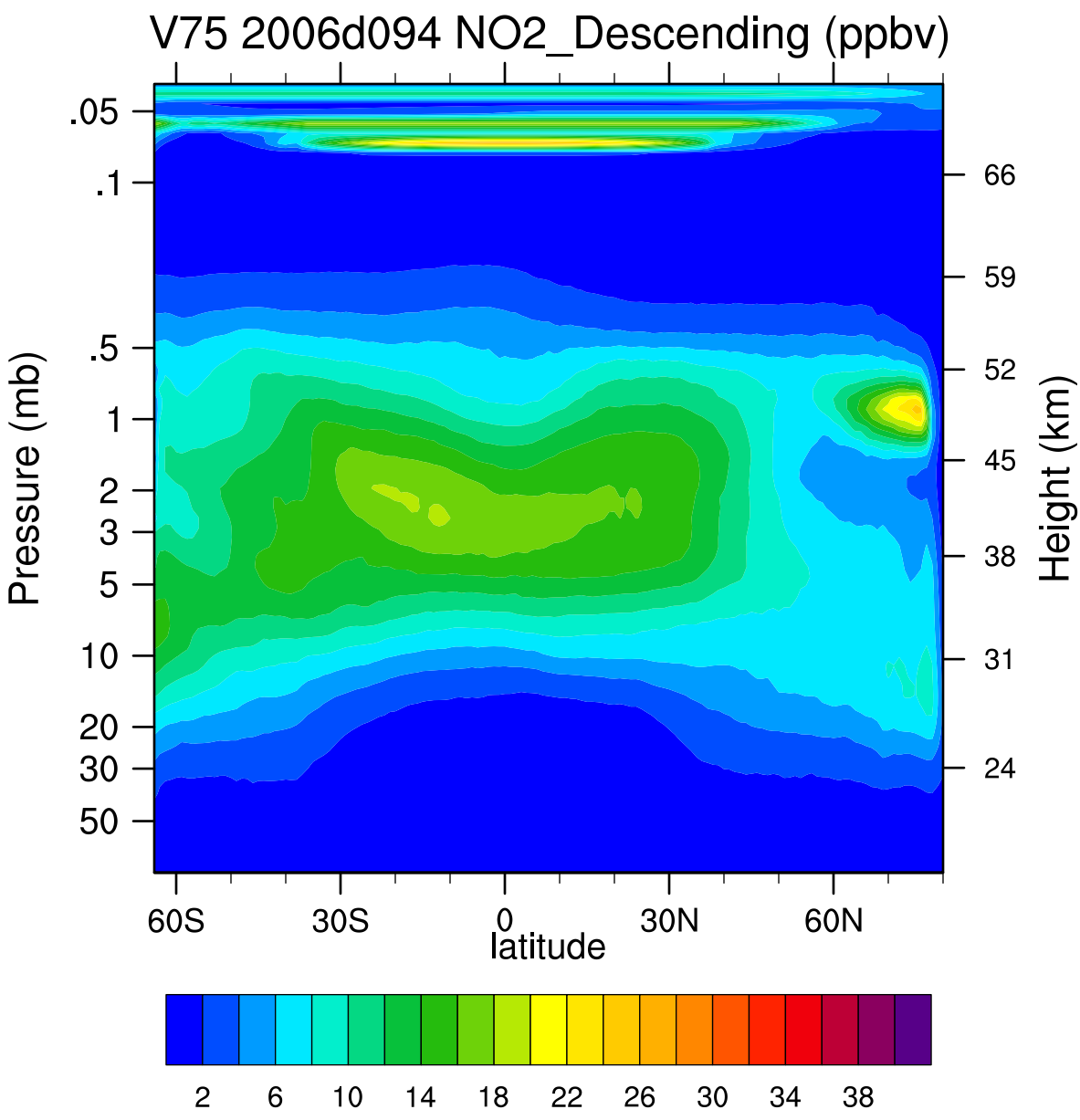
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Height (km)
66
59
52
45
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60N
latitude
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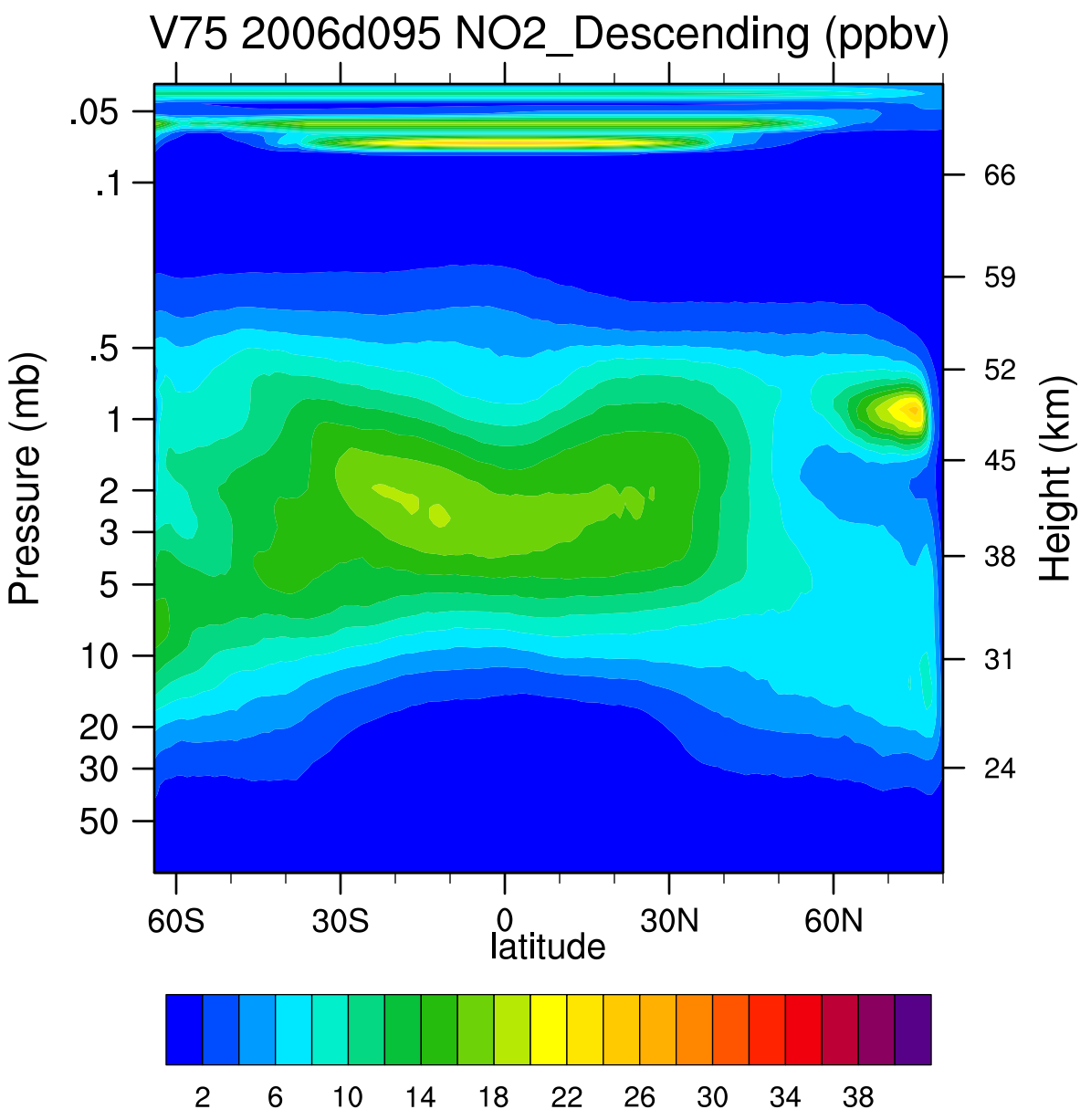
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Height (km)
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52
45
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60N
latitude
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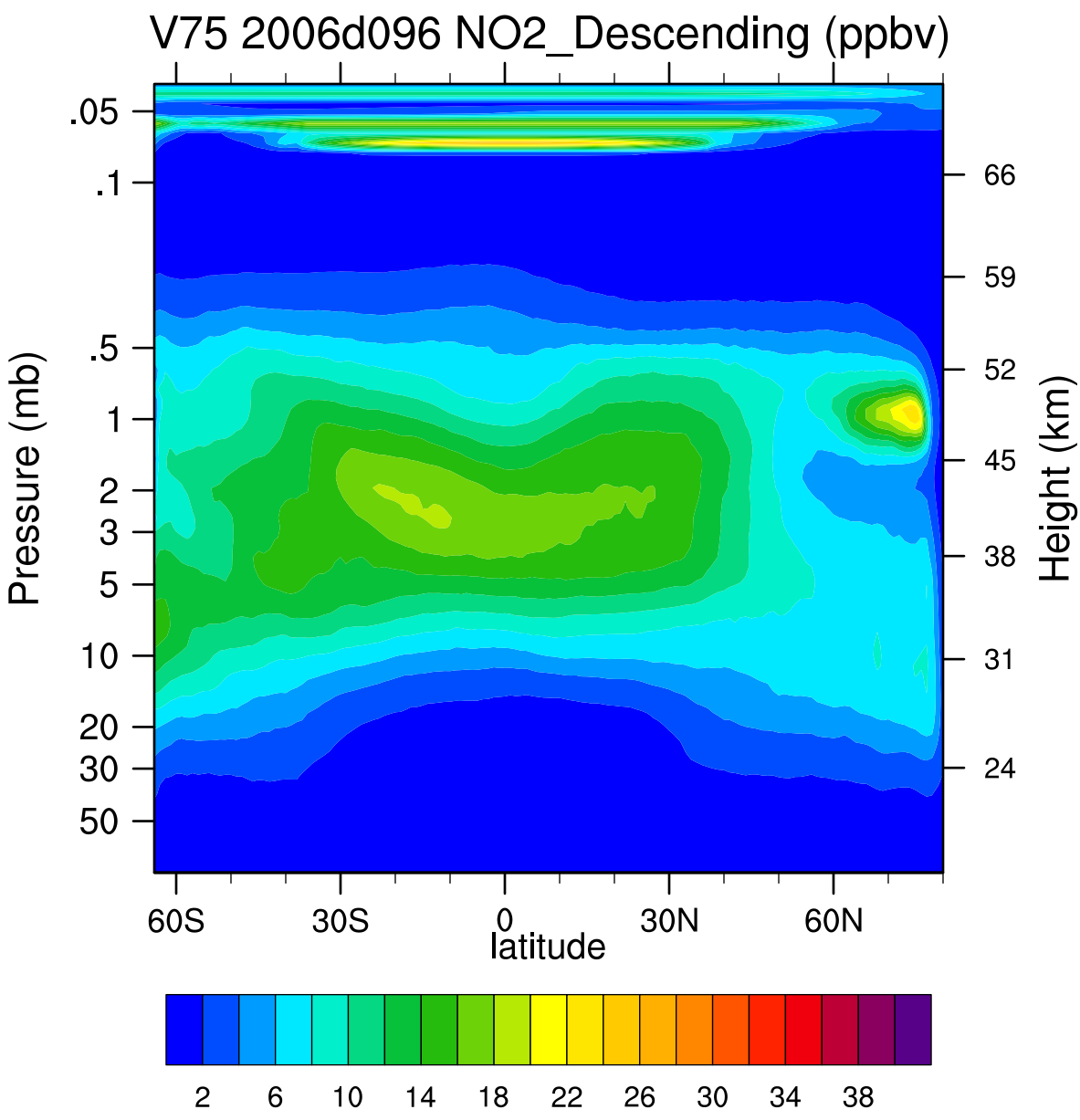
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38
31
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60N
latitude
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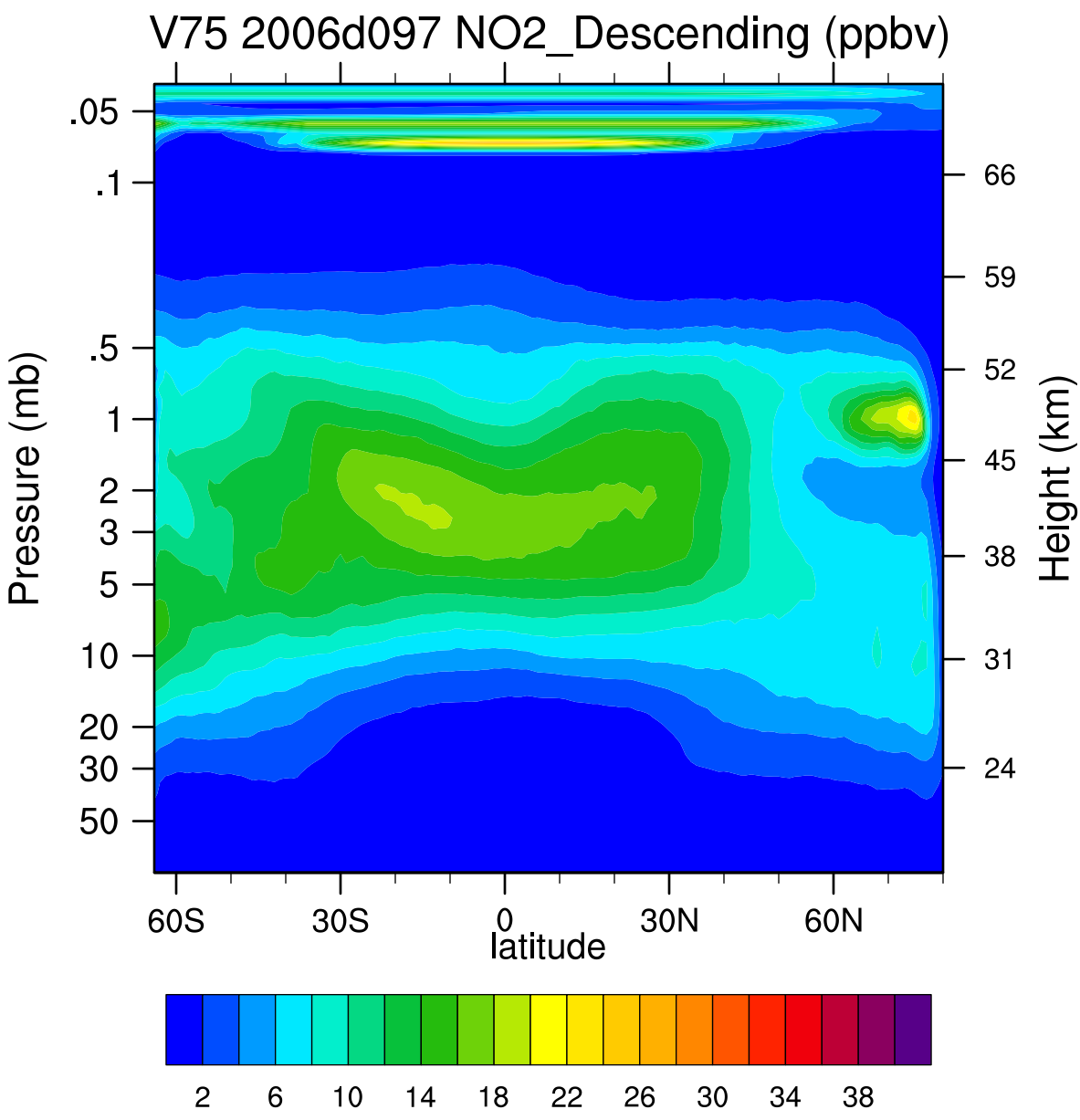
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Height (km)
66
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52
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60N
latitude
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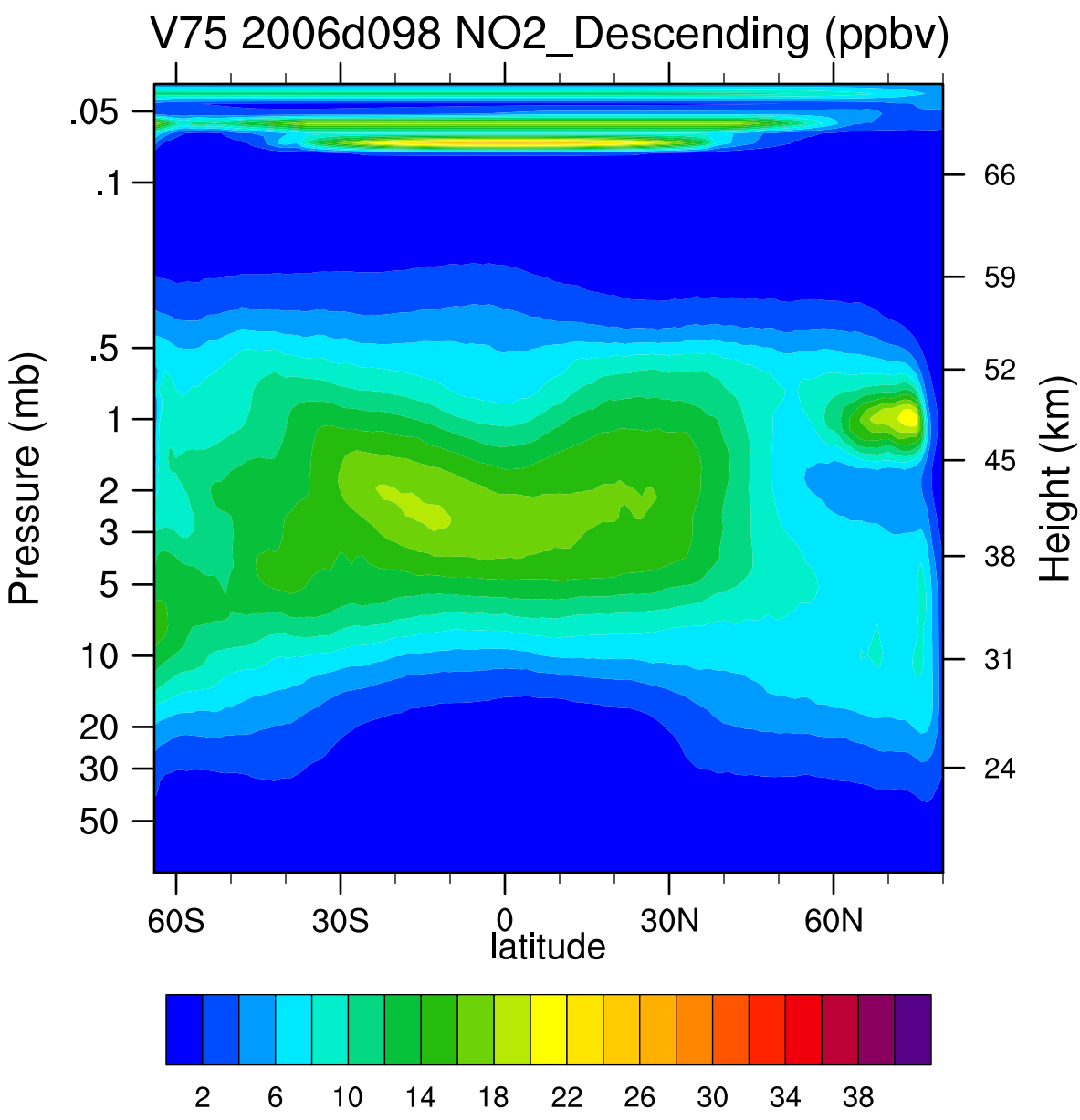
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Pressure (mb)
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38
31
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Height (km)
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0
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60N
latitude
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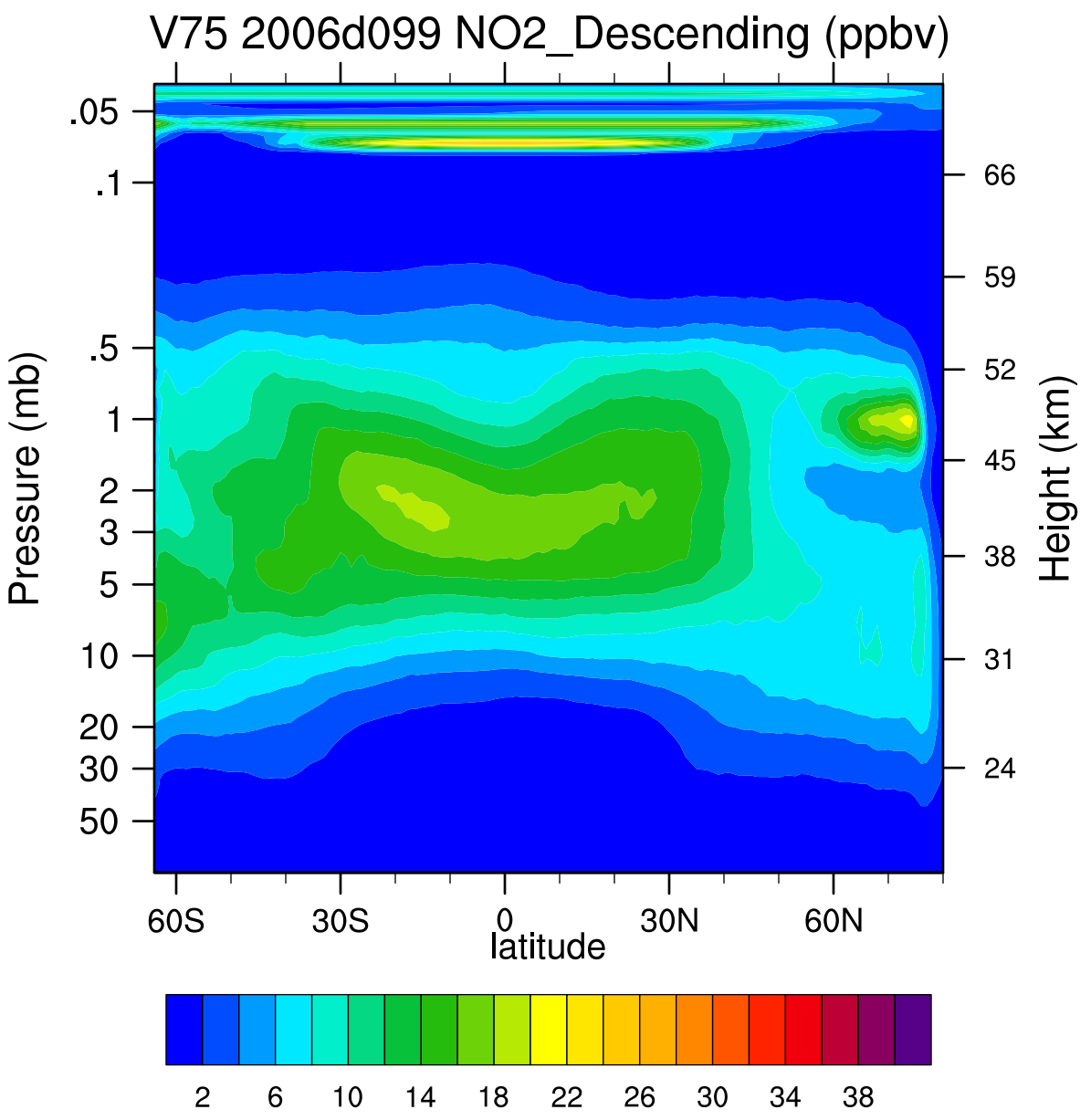
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Pressure (mb)
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38
31
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Height (km)
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30S
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30N
60N
latitude
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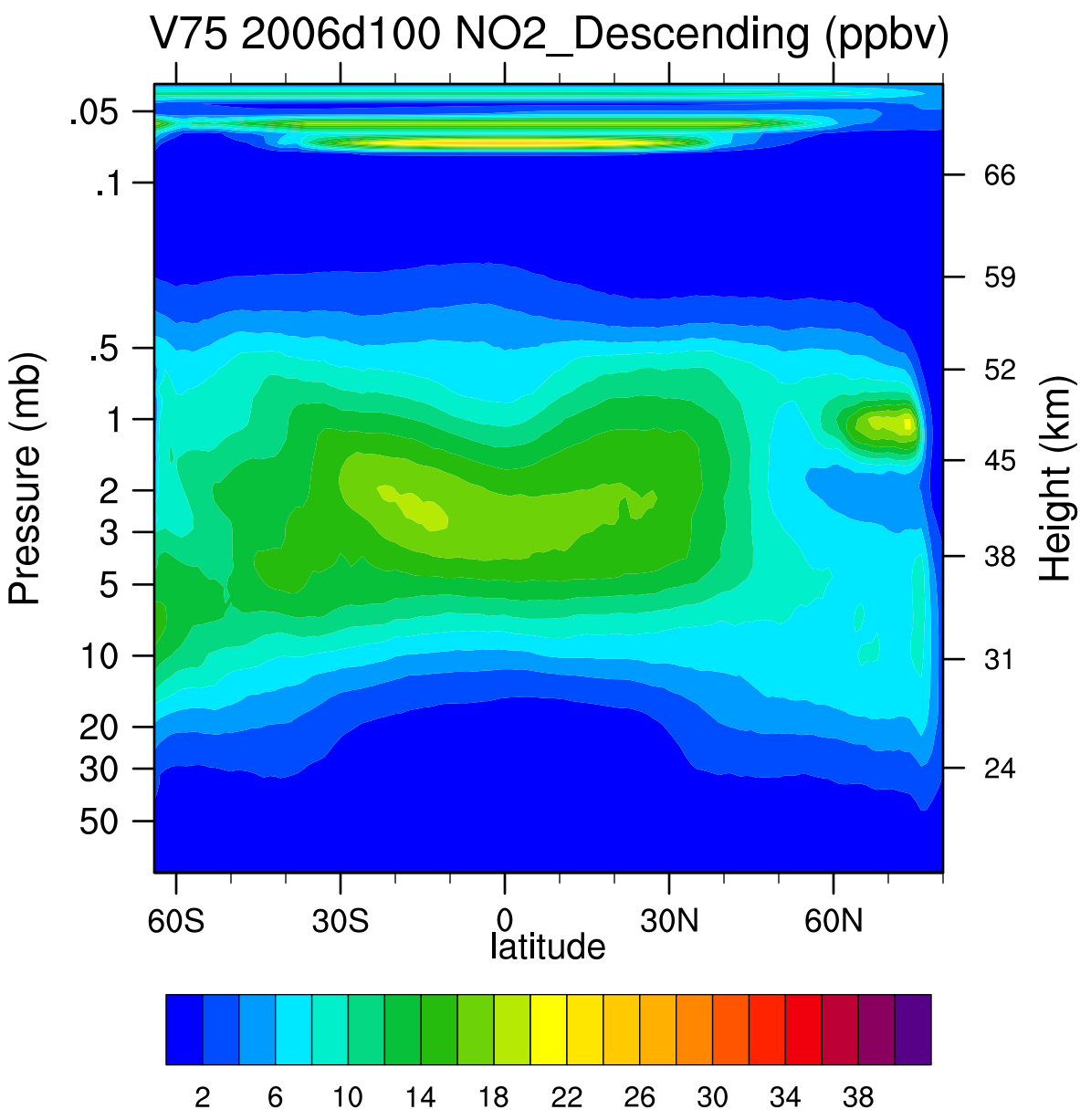
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Height (km)
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59
52
45
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30S
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60N
latitude
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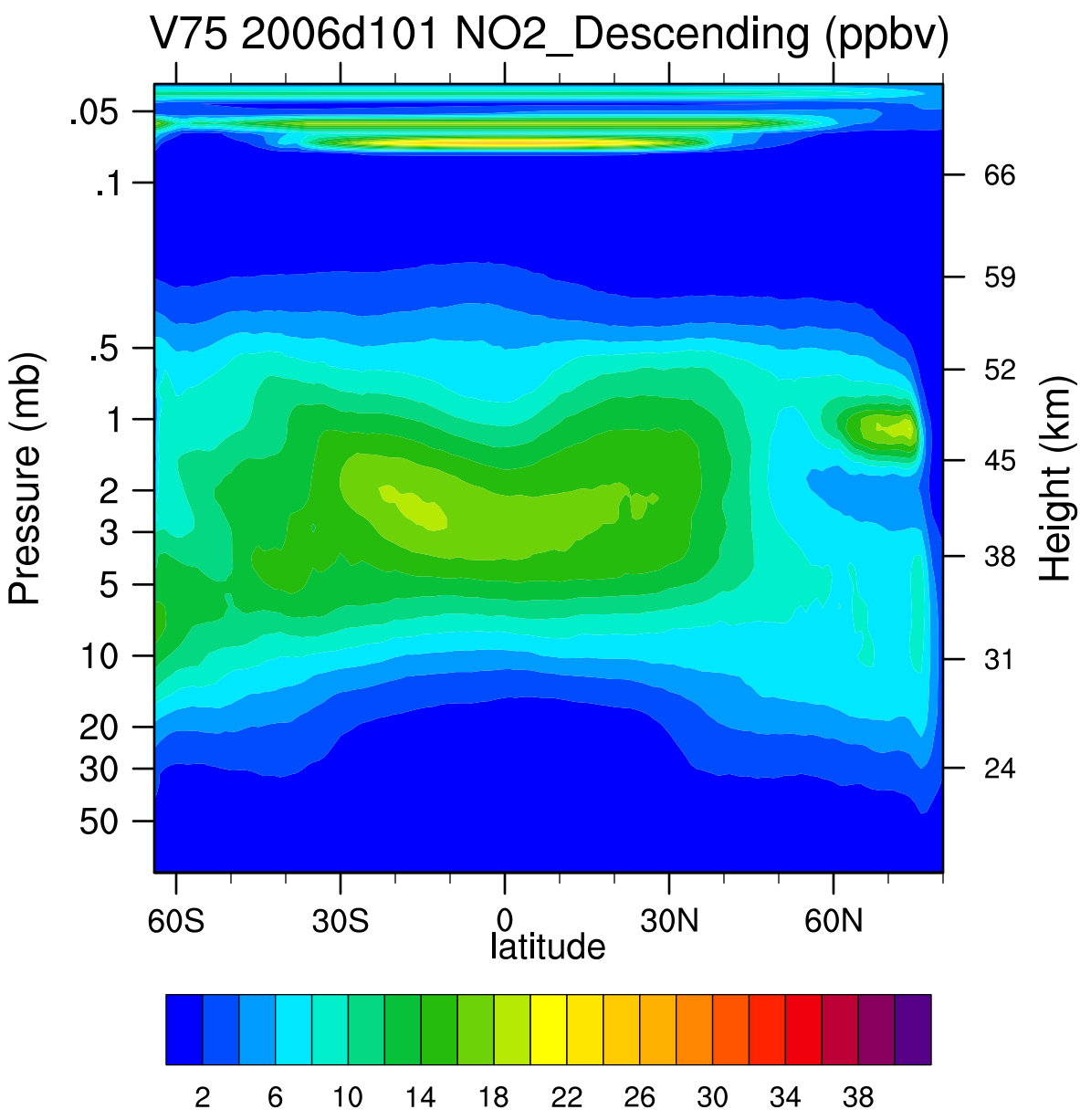
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Height (km)
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59
52
45
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24
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30S
0
30N
60N
latitude
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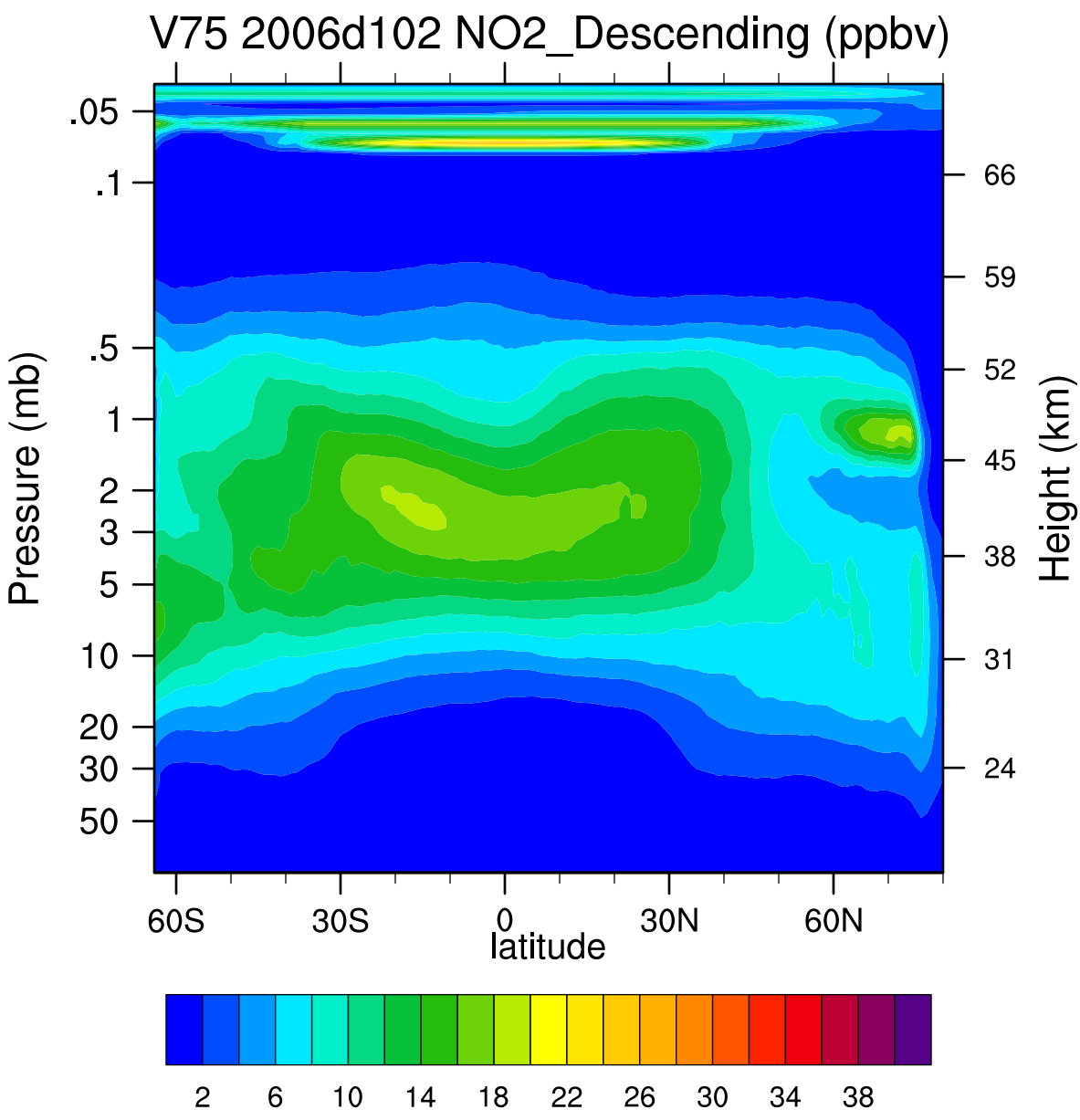
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Pressure (mb)
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Height (km)
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52
45
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24
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30S
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30N
60N
latitude
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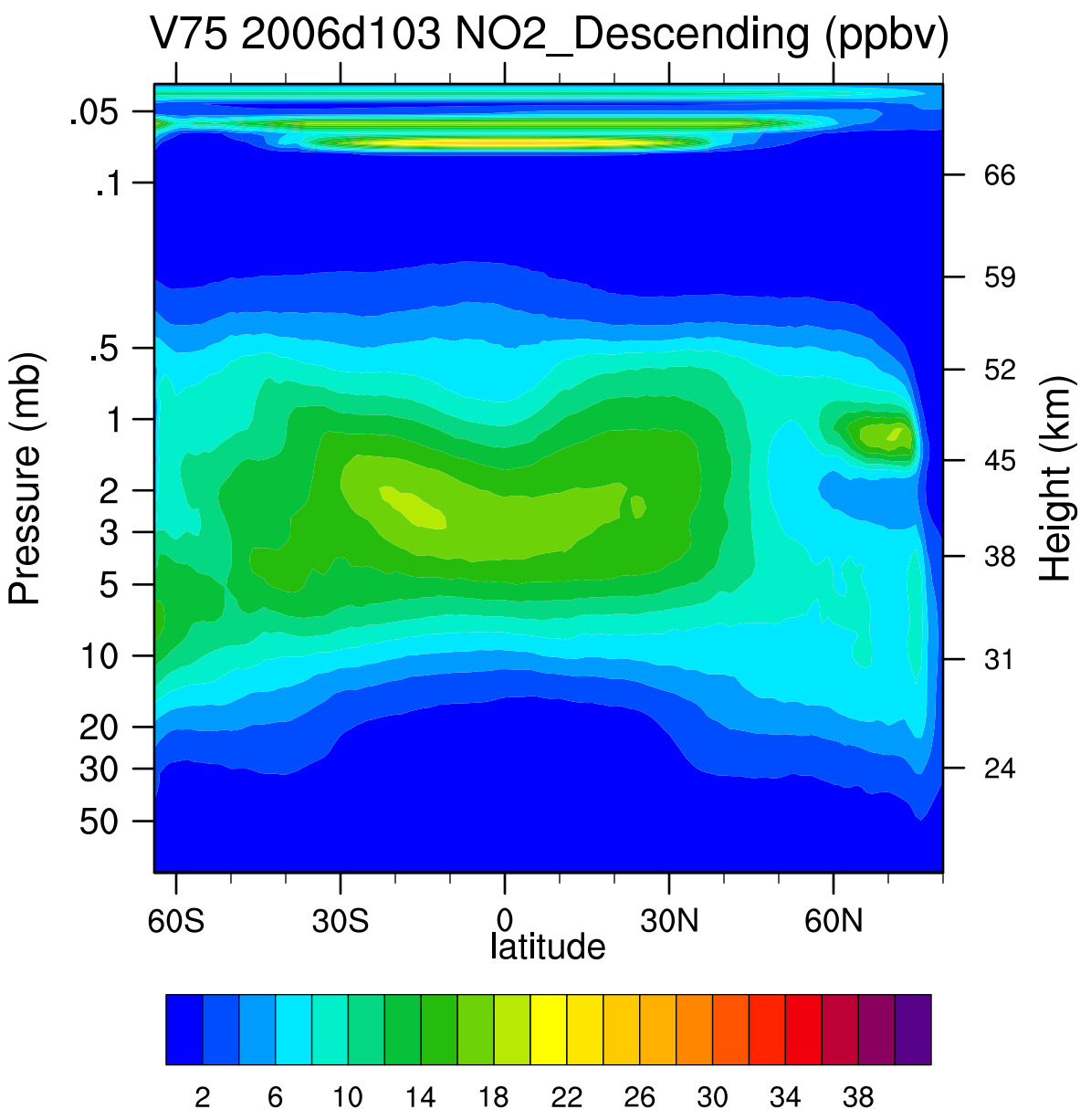
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Pressure (mb)
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59
52
45
38
31
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Height (km)
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30S
0
30N
60N
latitude
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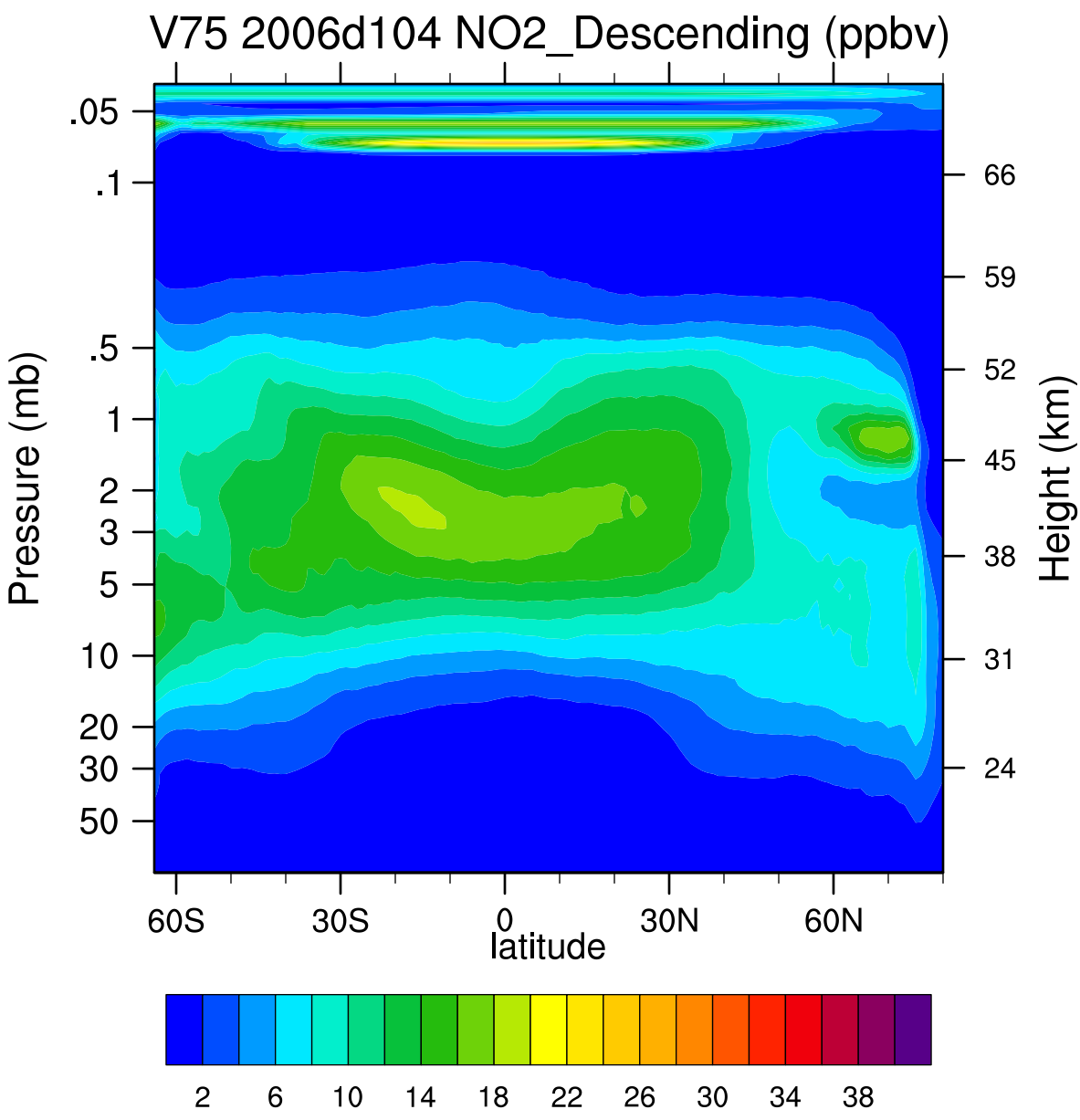
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Pressure (mb)
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38
31
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0
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60N
latitude
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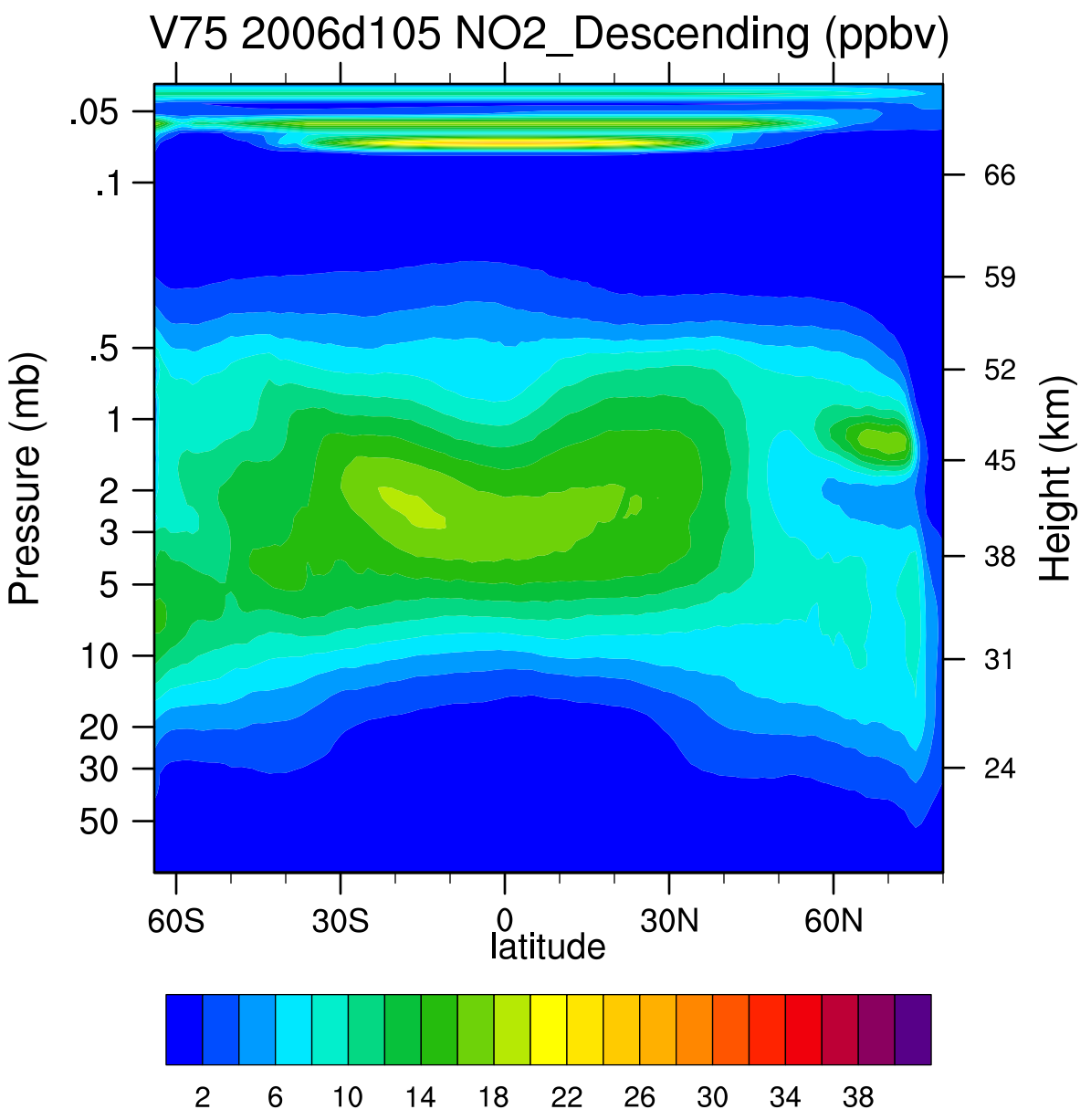
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Height (km)
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59
52
45
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30S
0
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60N
latitude
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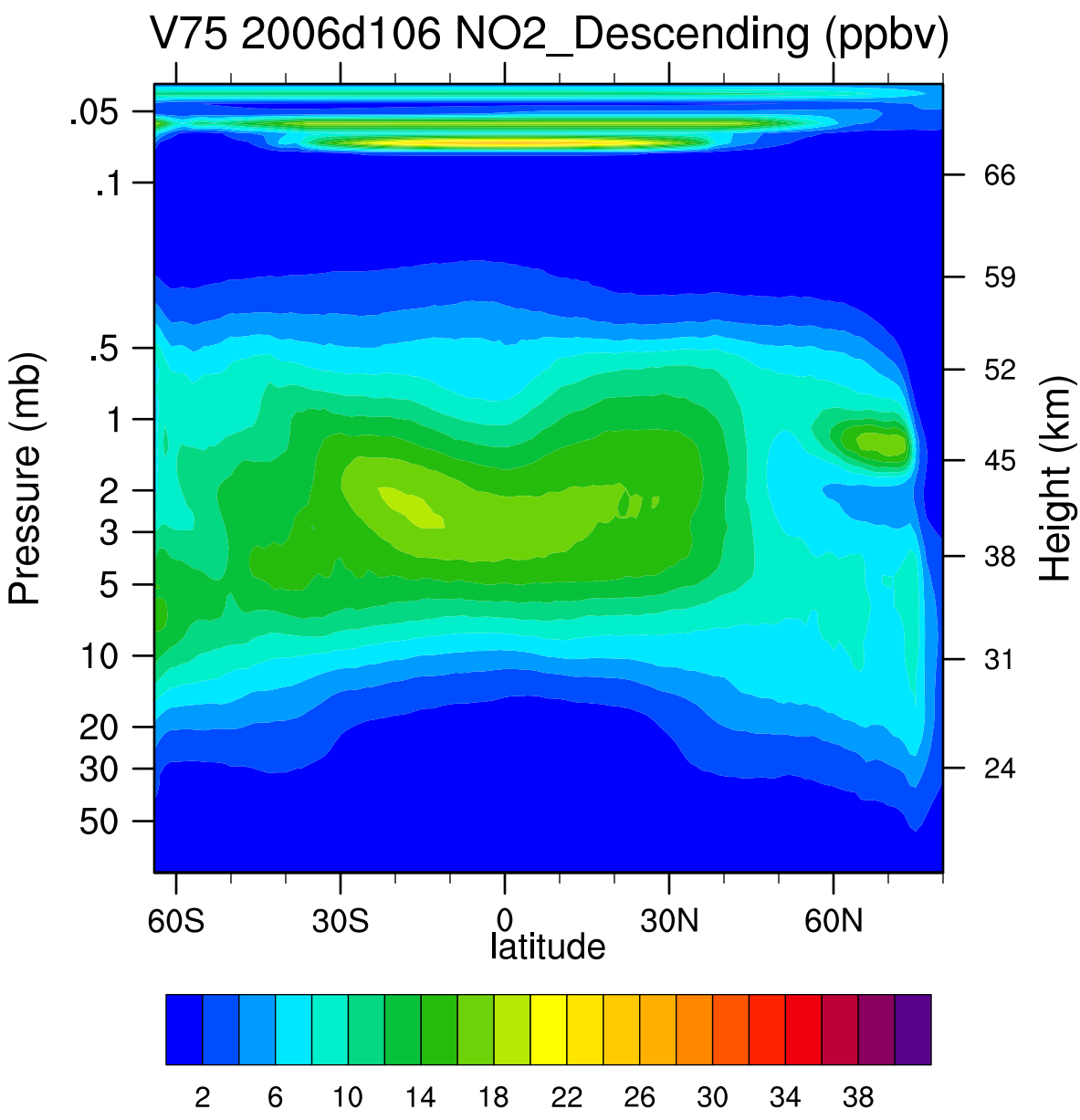
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Height (km)
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59
52
45
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24
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0
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60N
latitude
2
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10
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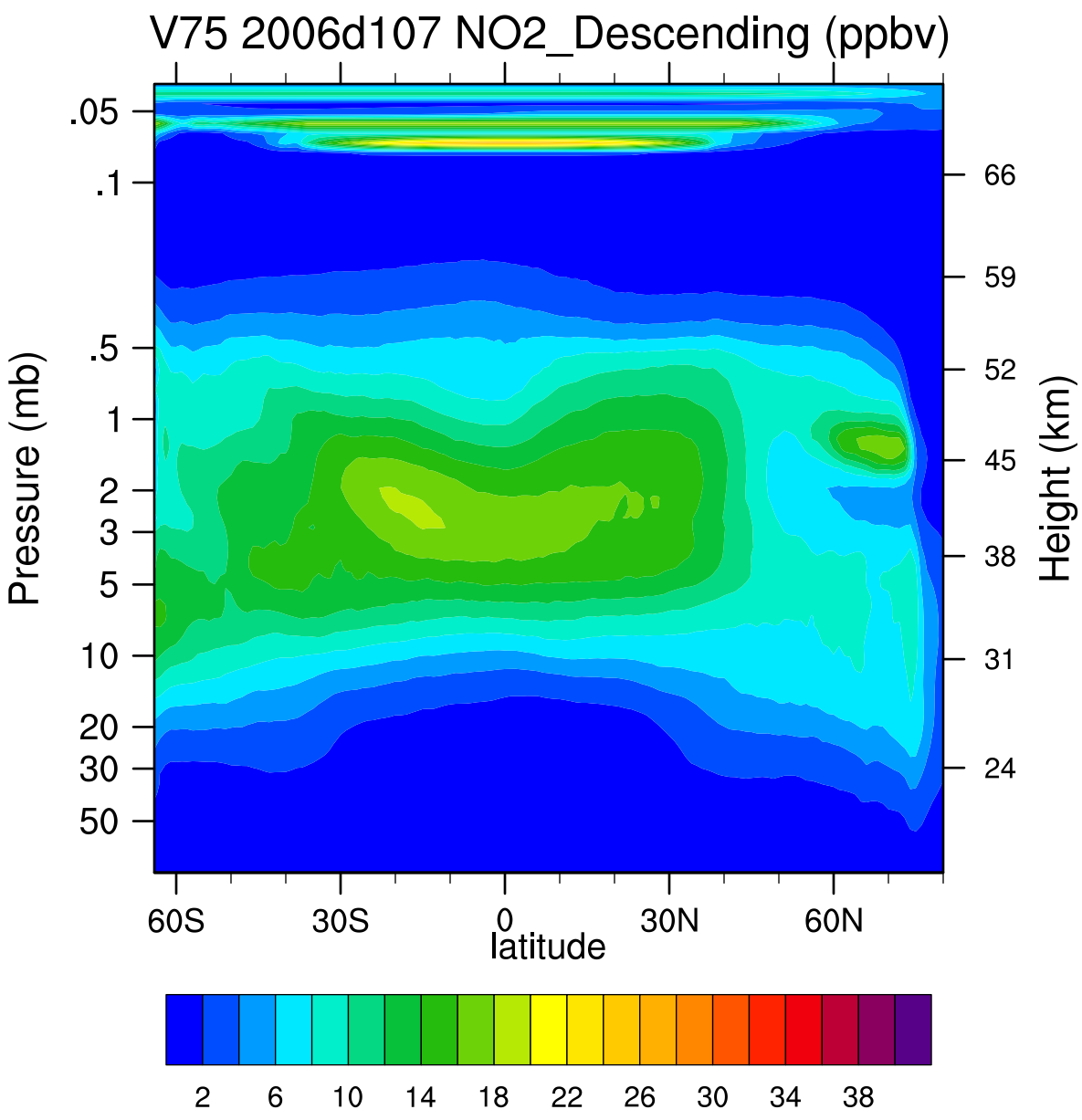
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Pressure (mb)
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59
52
45
38
31
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Height (km)
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30S
0
30N
60N
latitude
2
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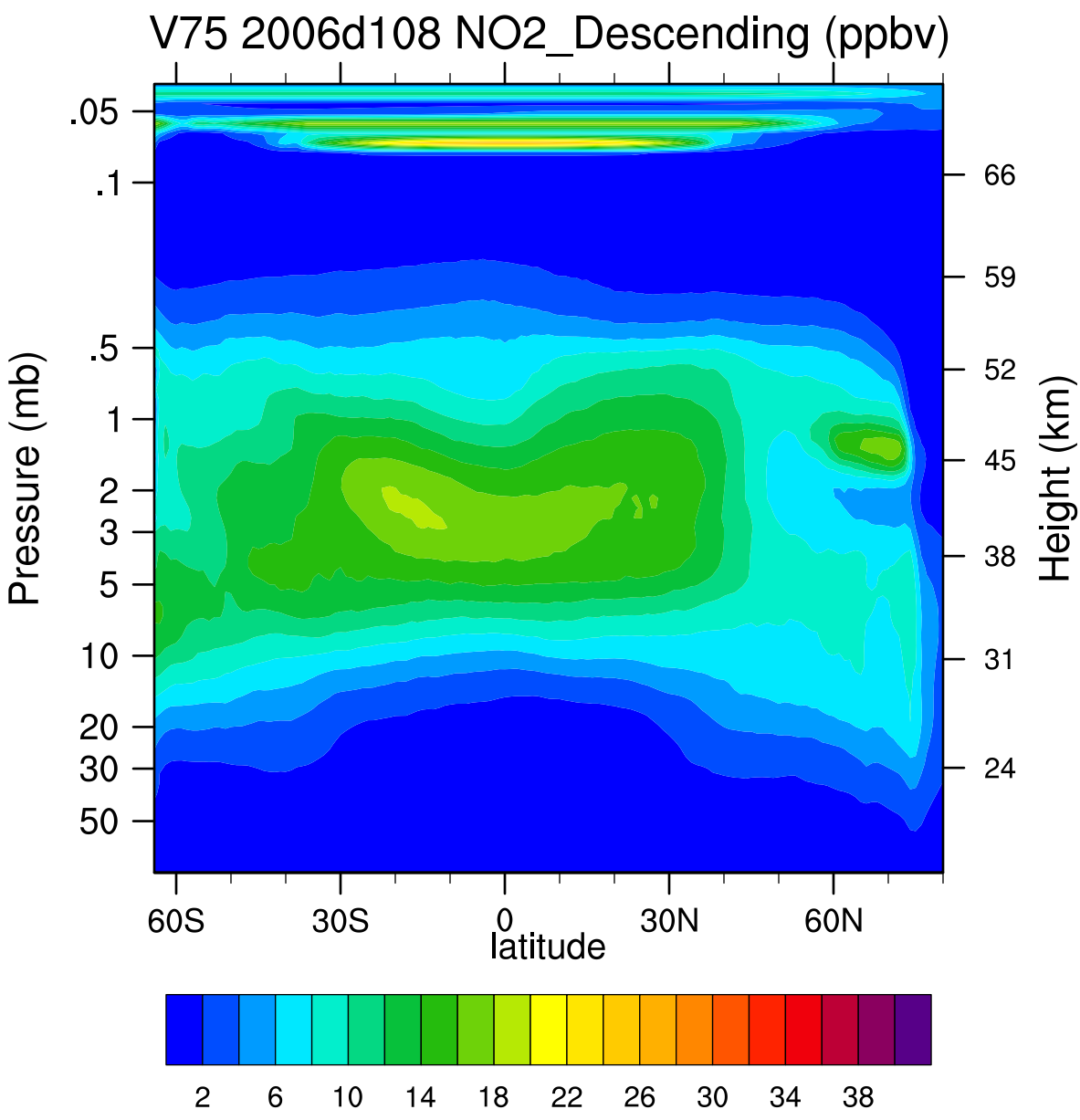
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Pressure (mb)
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59
52
45
38
31
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Height (km)
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30S
0
30N
60N
latitude
2
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26
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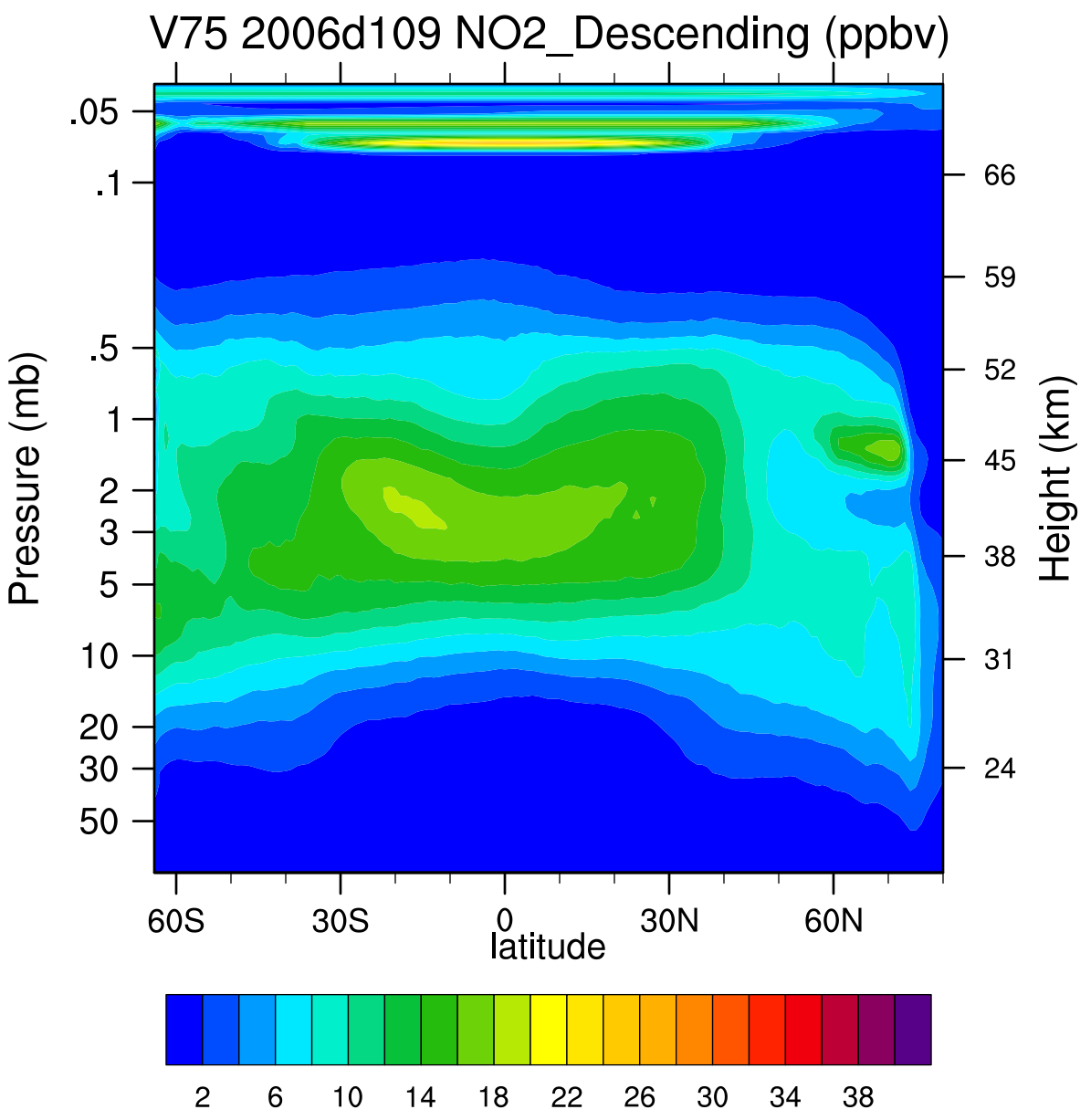
V75 2006d109 NO2_Descending (ppbv)
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Height (km)
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59
52
45
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30S
0
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60N
latitude
2
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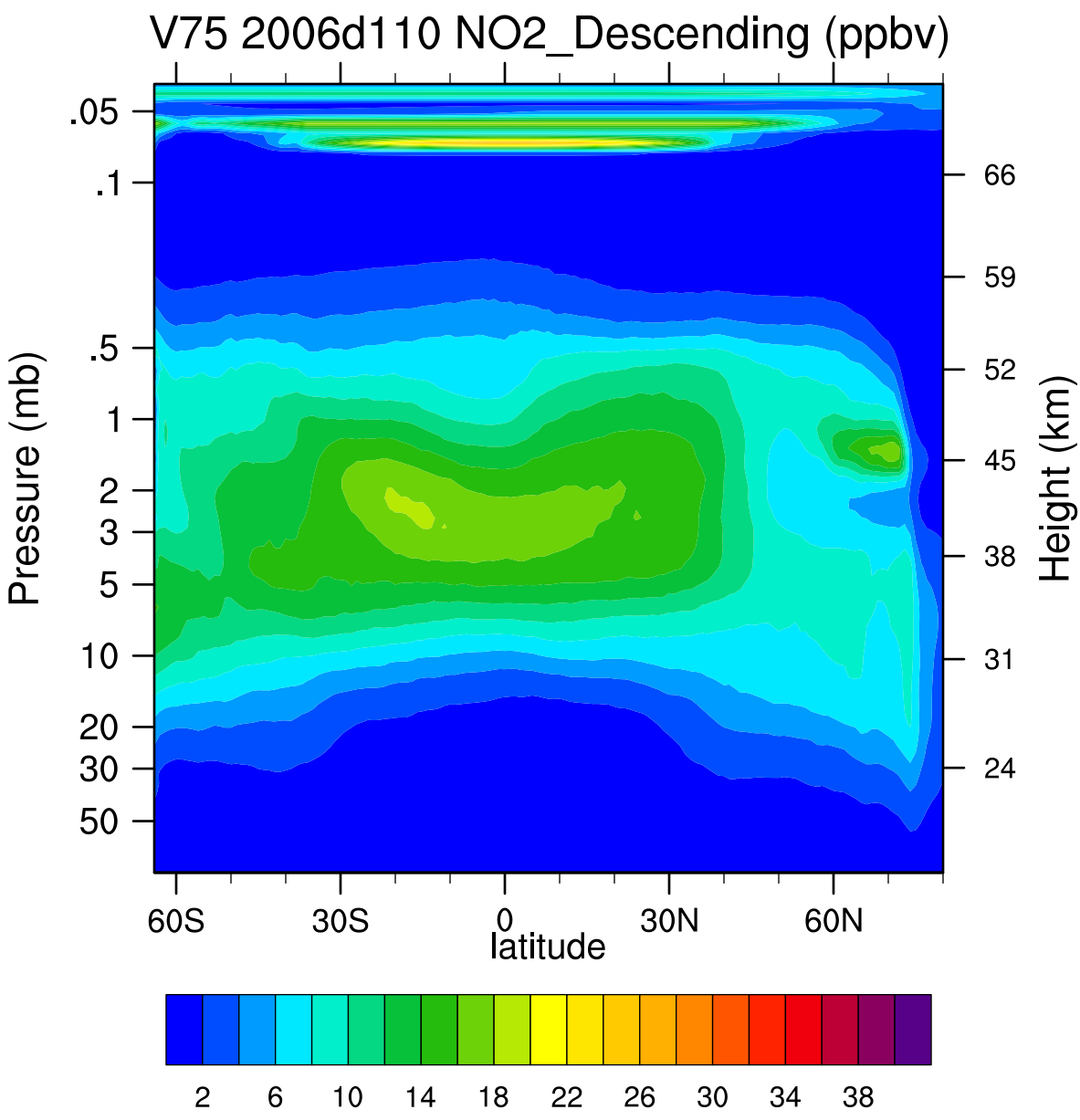
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Pressure (mb)
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38
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Height (km)
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latitude
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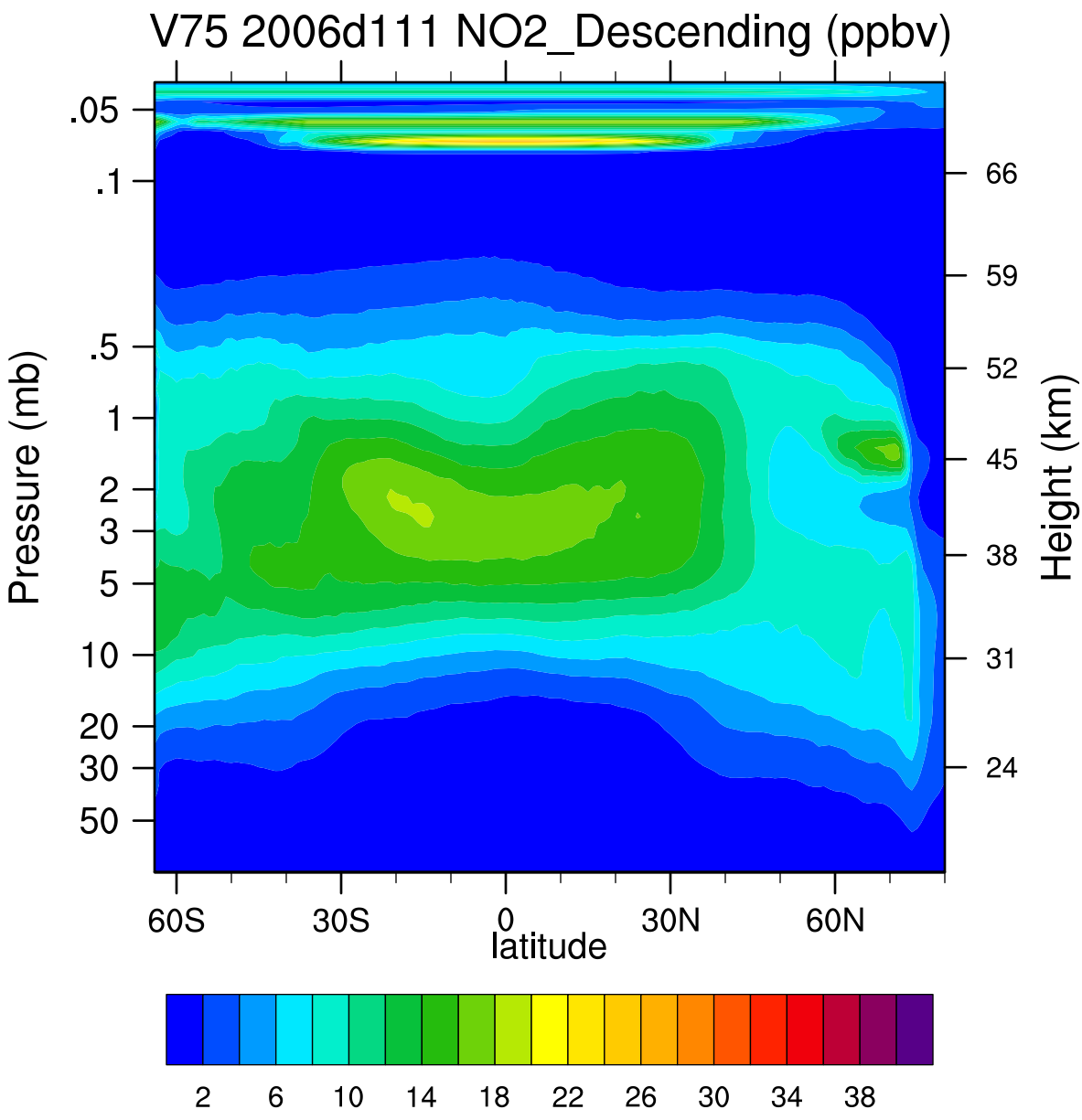
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Height (km)
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59
52
45
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60N
latitude
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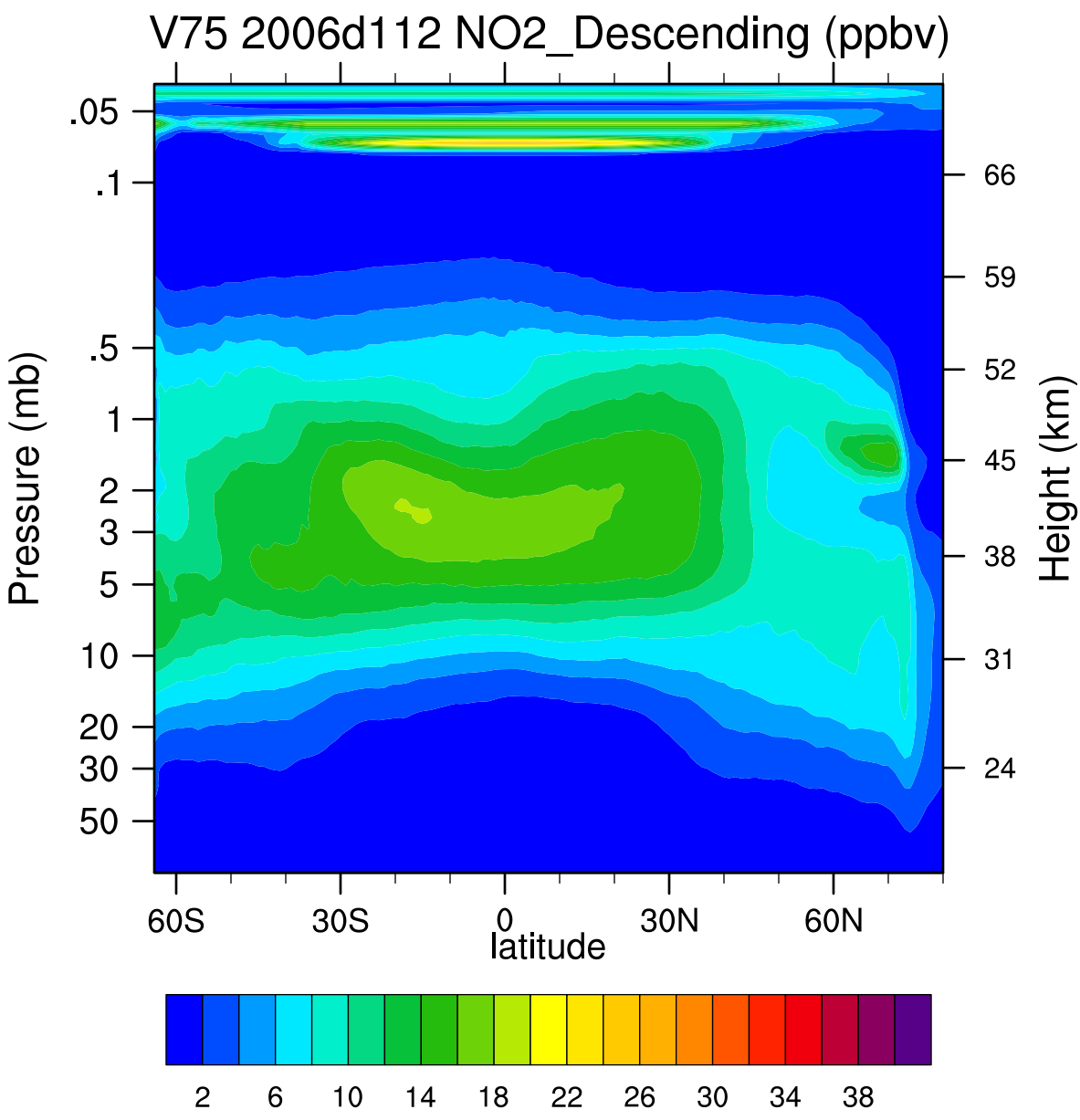
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Height (km)
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52
45
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30S
0
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60N
latitude
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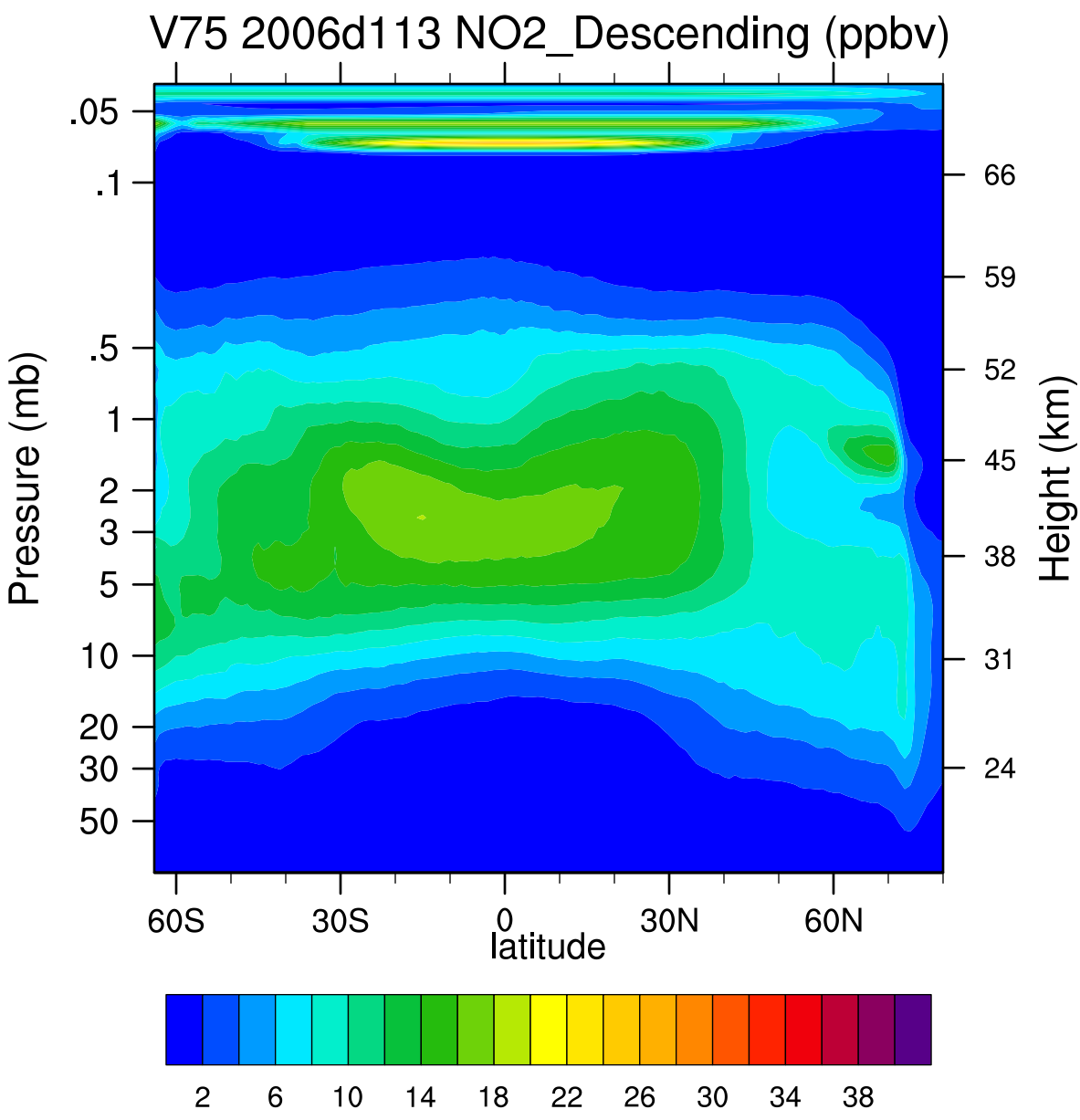
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Pressure (mb)
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38
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Height (km)
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30N
60N
latitude
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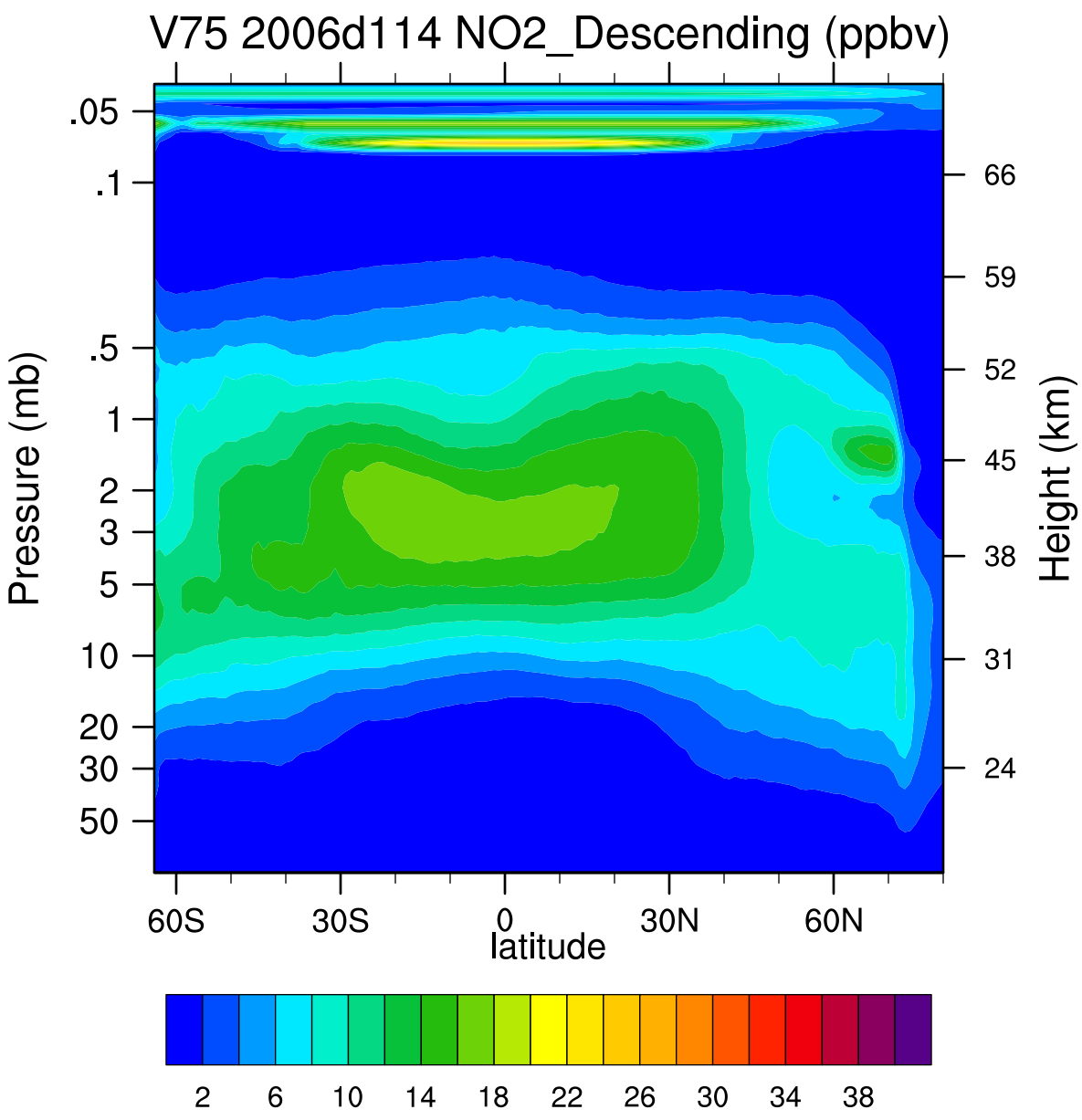
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Height (km)
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59
52
45
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60N
latitude
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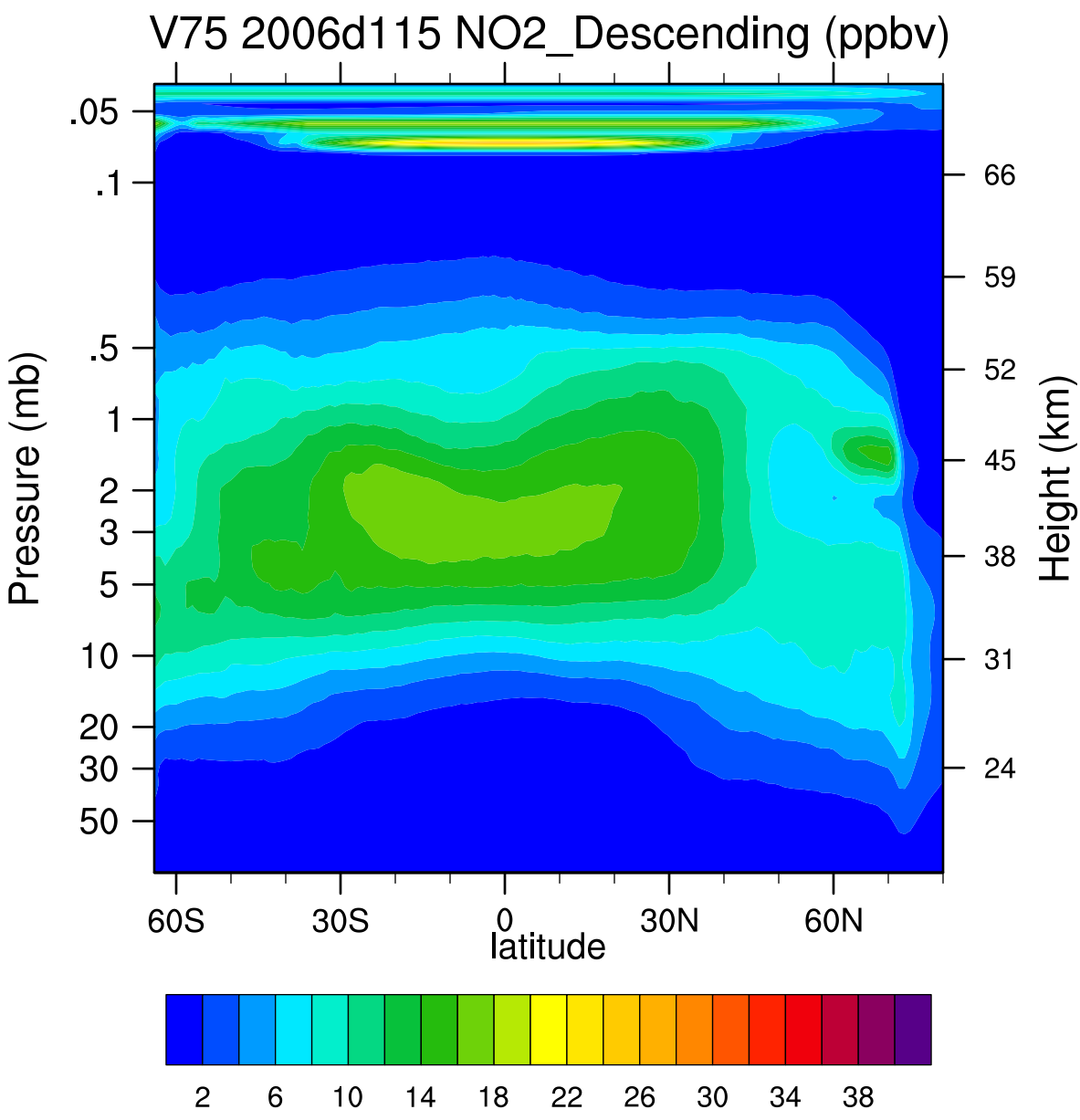
V75 2006d115 NO2_Descending (ppbv)
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Pressure (mb)
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38
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Height (km)
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latitude
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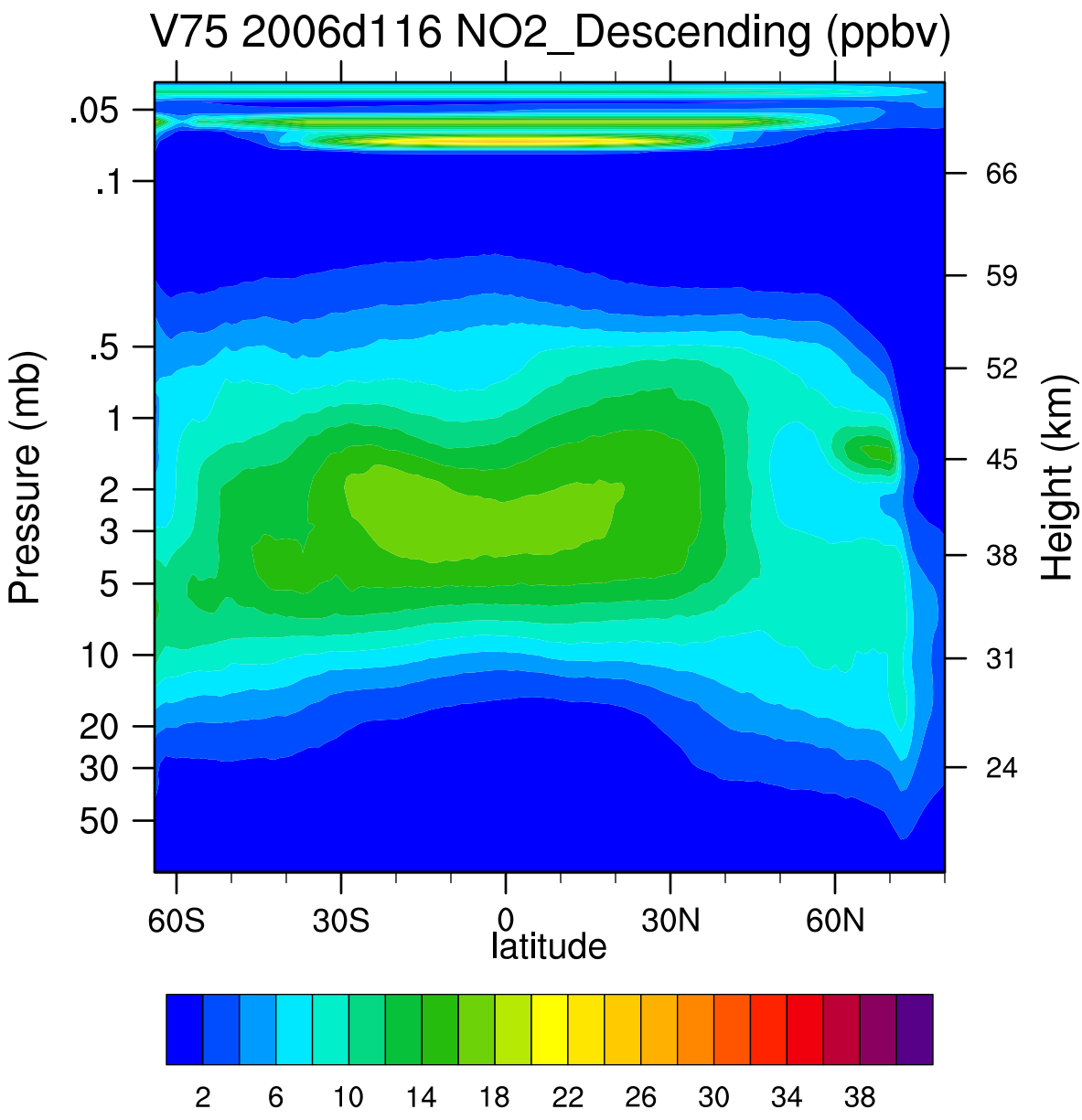
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Pressure (mb)
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38
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Height (km)
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60N
latitude
2
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34
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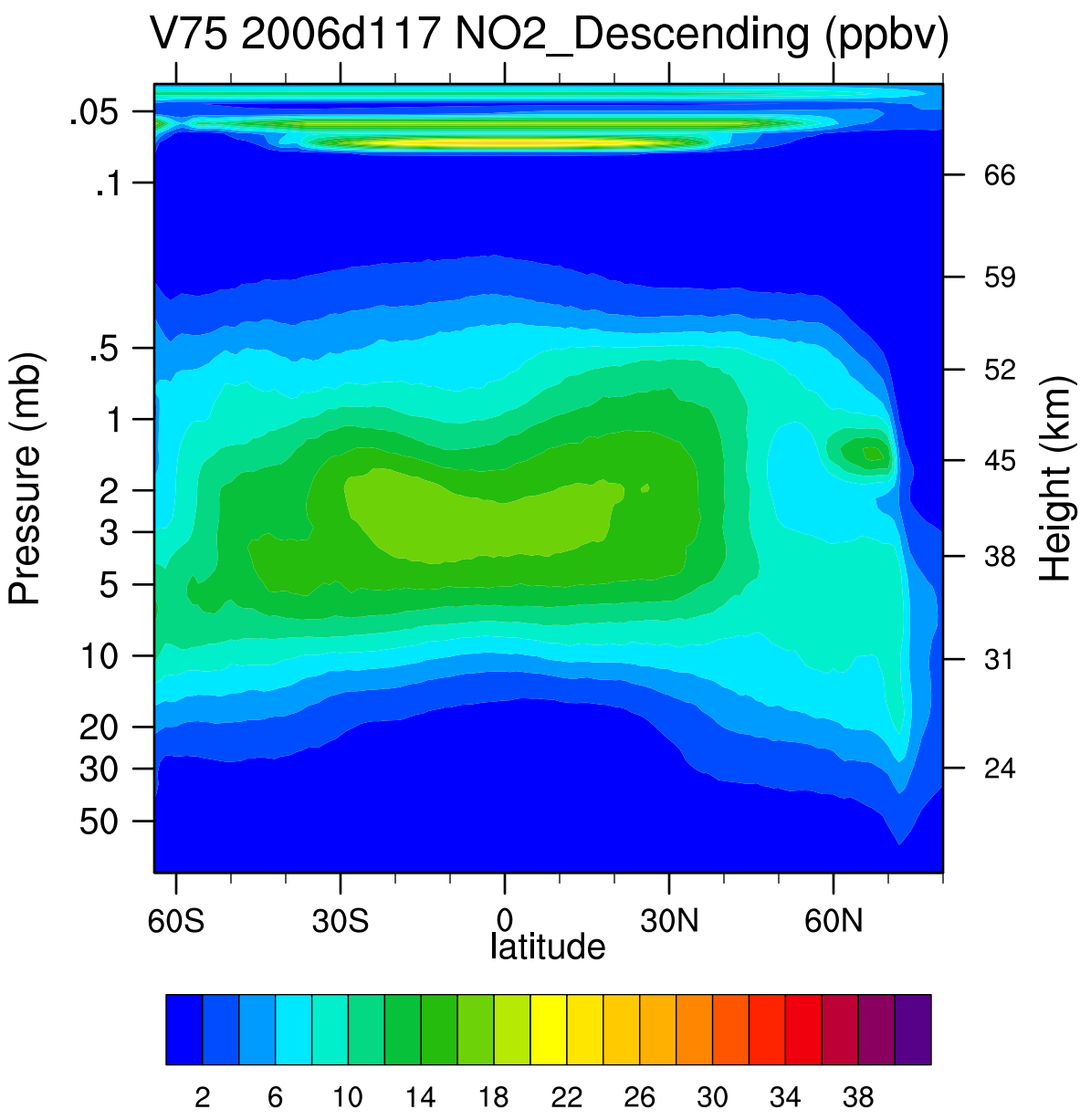
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Height (km)
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59
52
45
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60N
latitude
2
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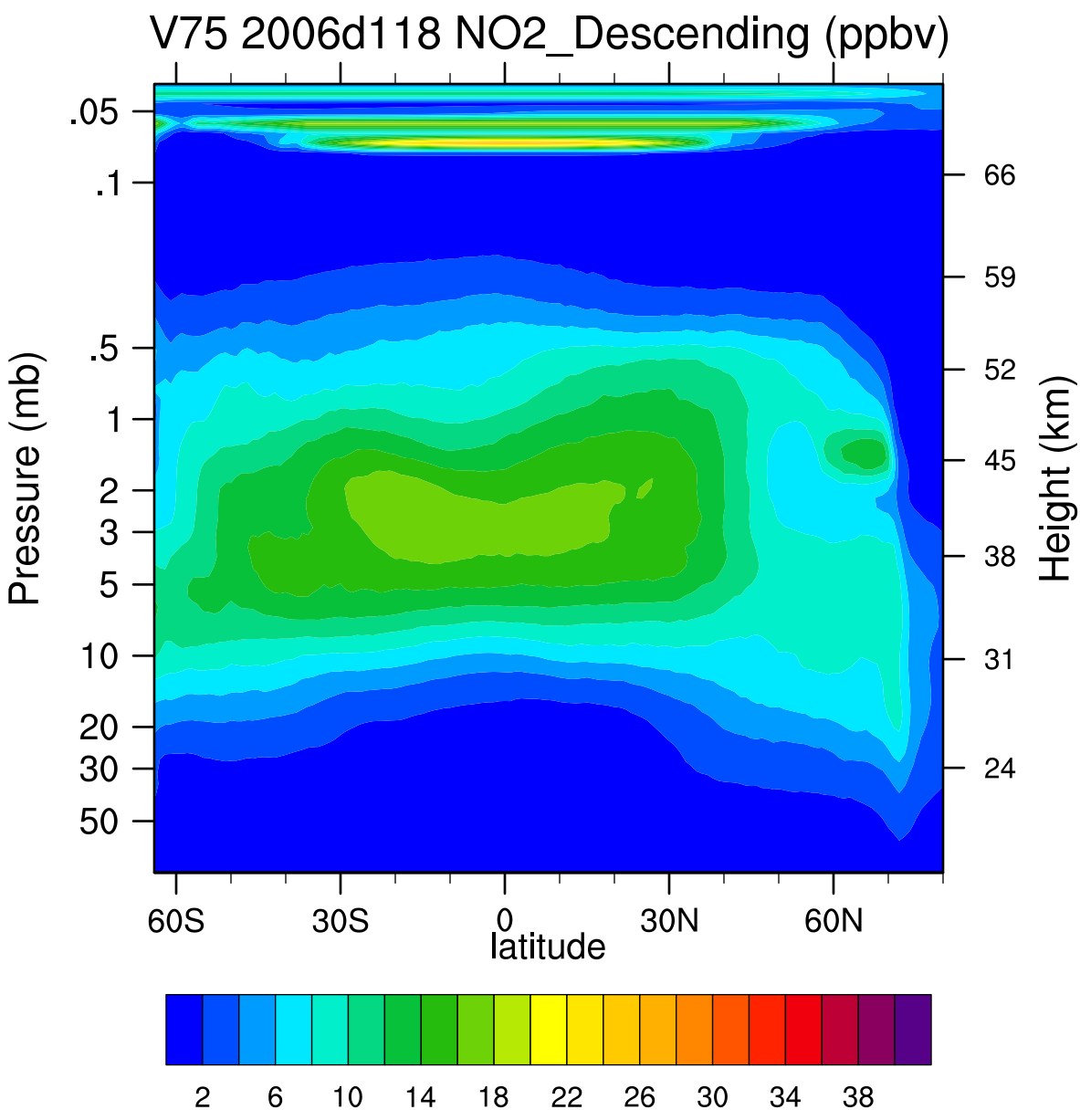
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Height (km)
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59
52
45
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24
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latitude
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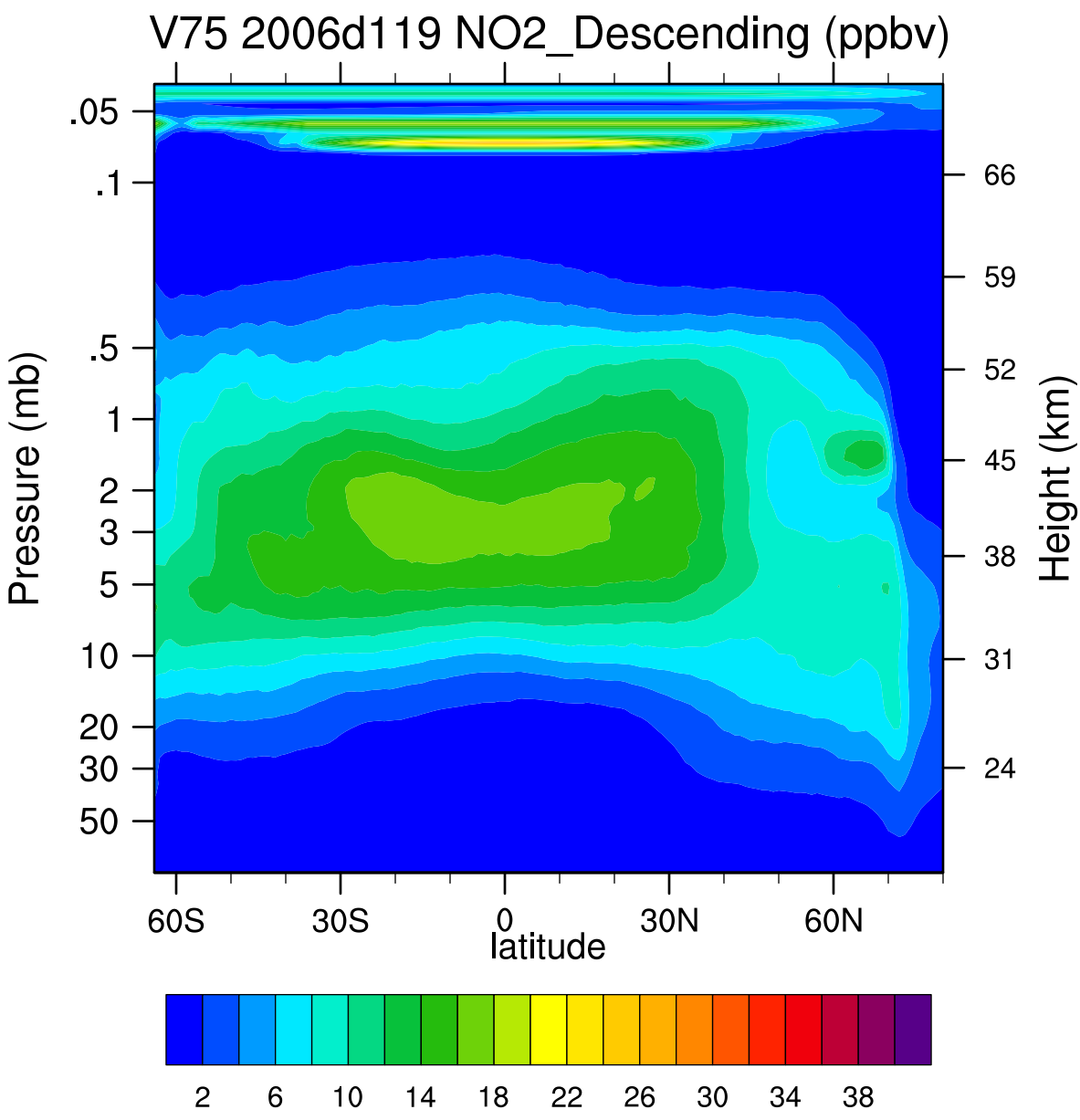
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3
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Height (km)
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52
45
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0
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60N
latitude
2
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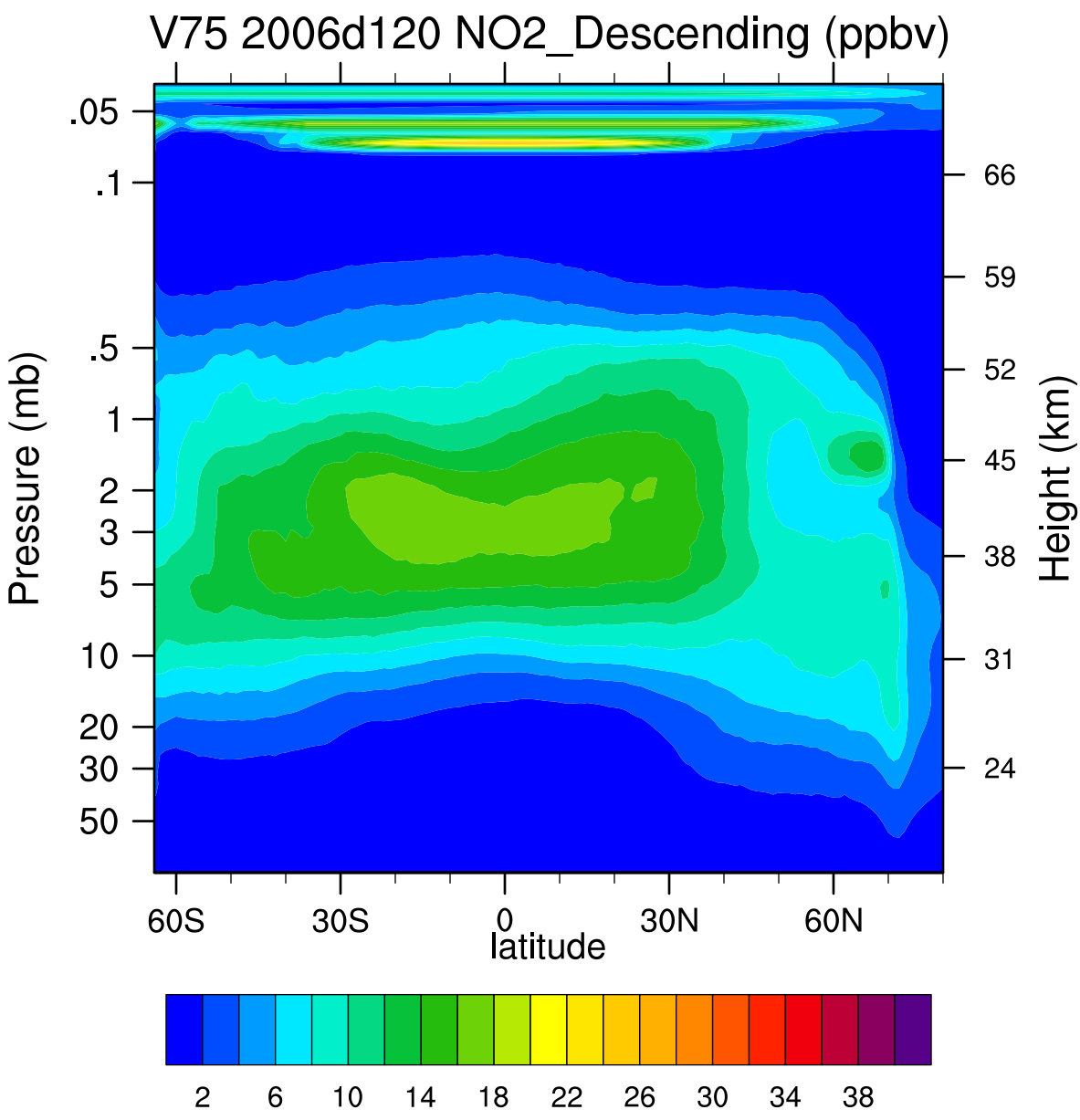
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Height (km)
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59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
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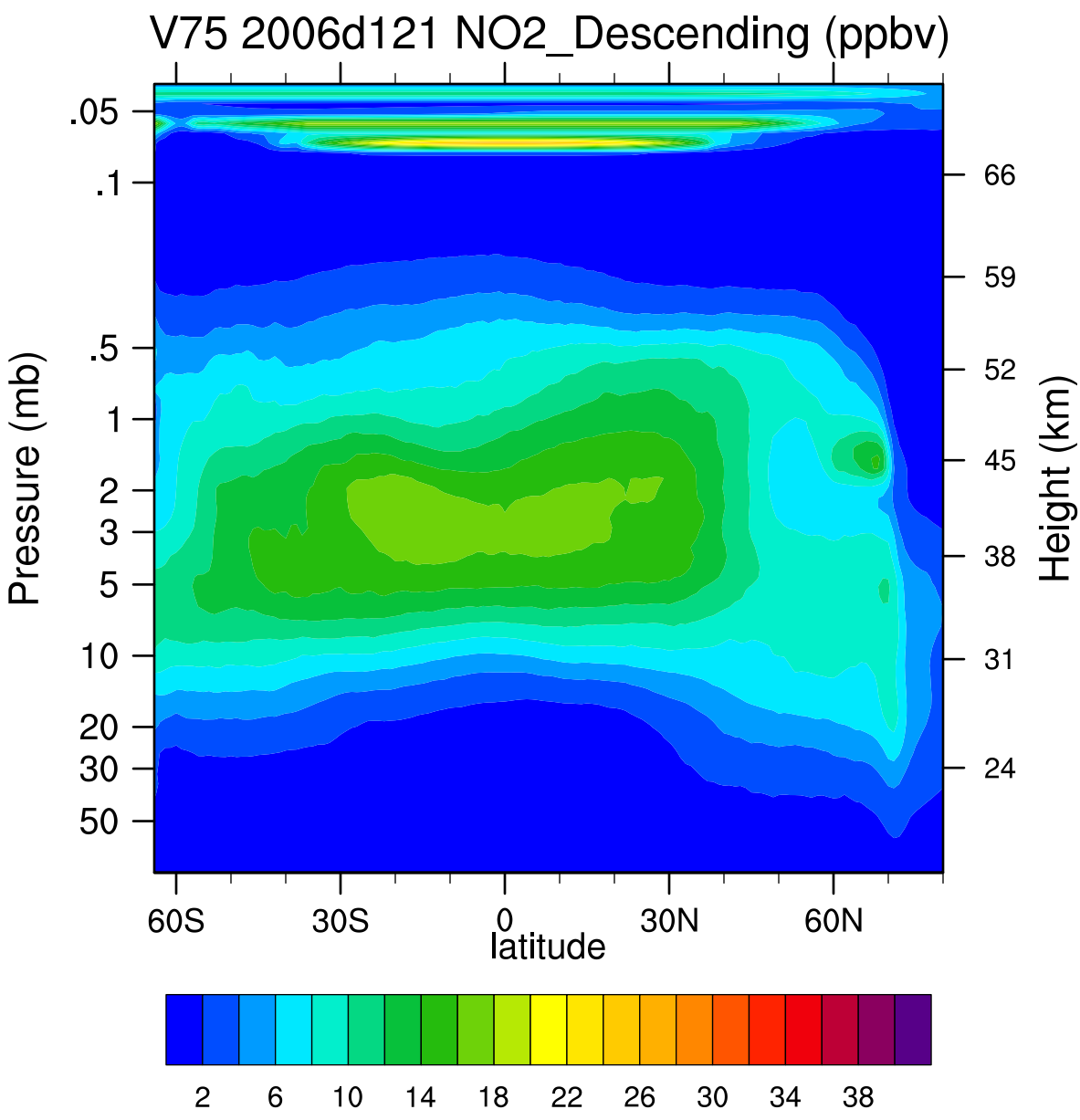
34
38


V75 2006d121 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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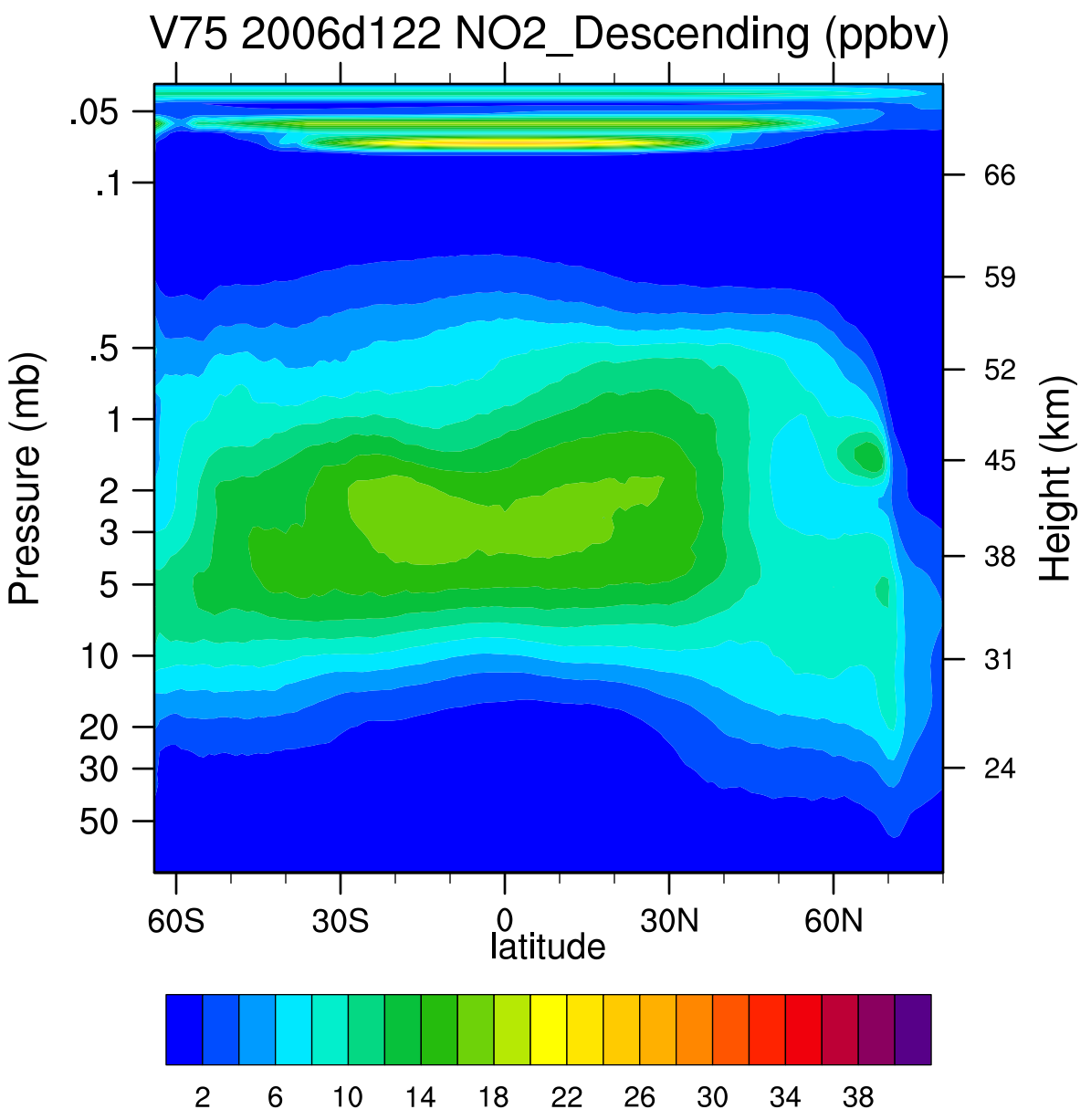
V75 2006d122 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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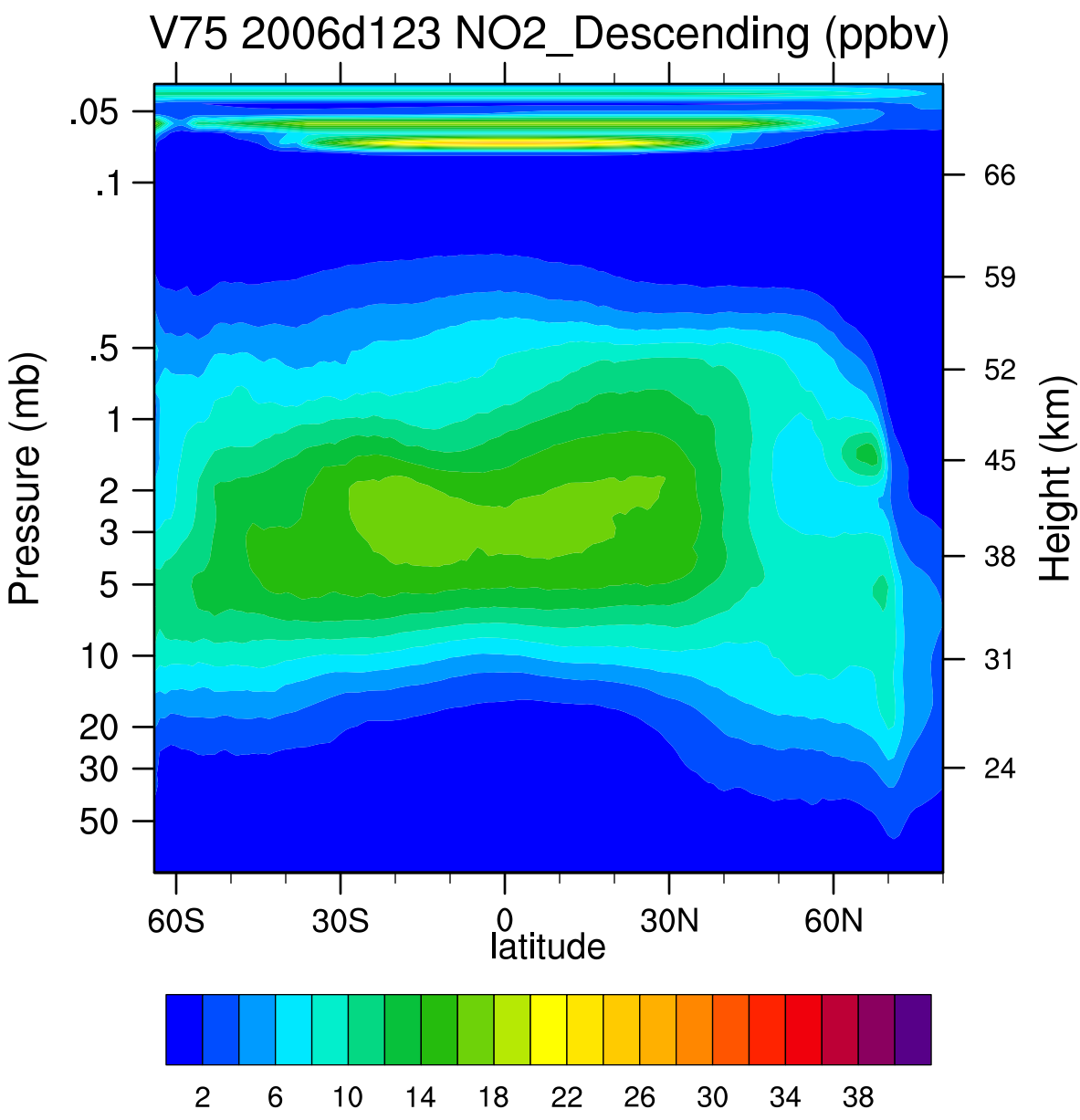
V75 2006d123 NO2_Descending (ppbv)
Pressure (mb)
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.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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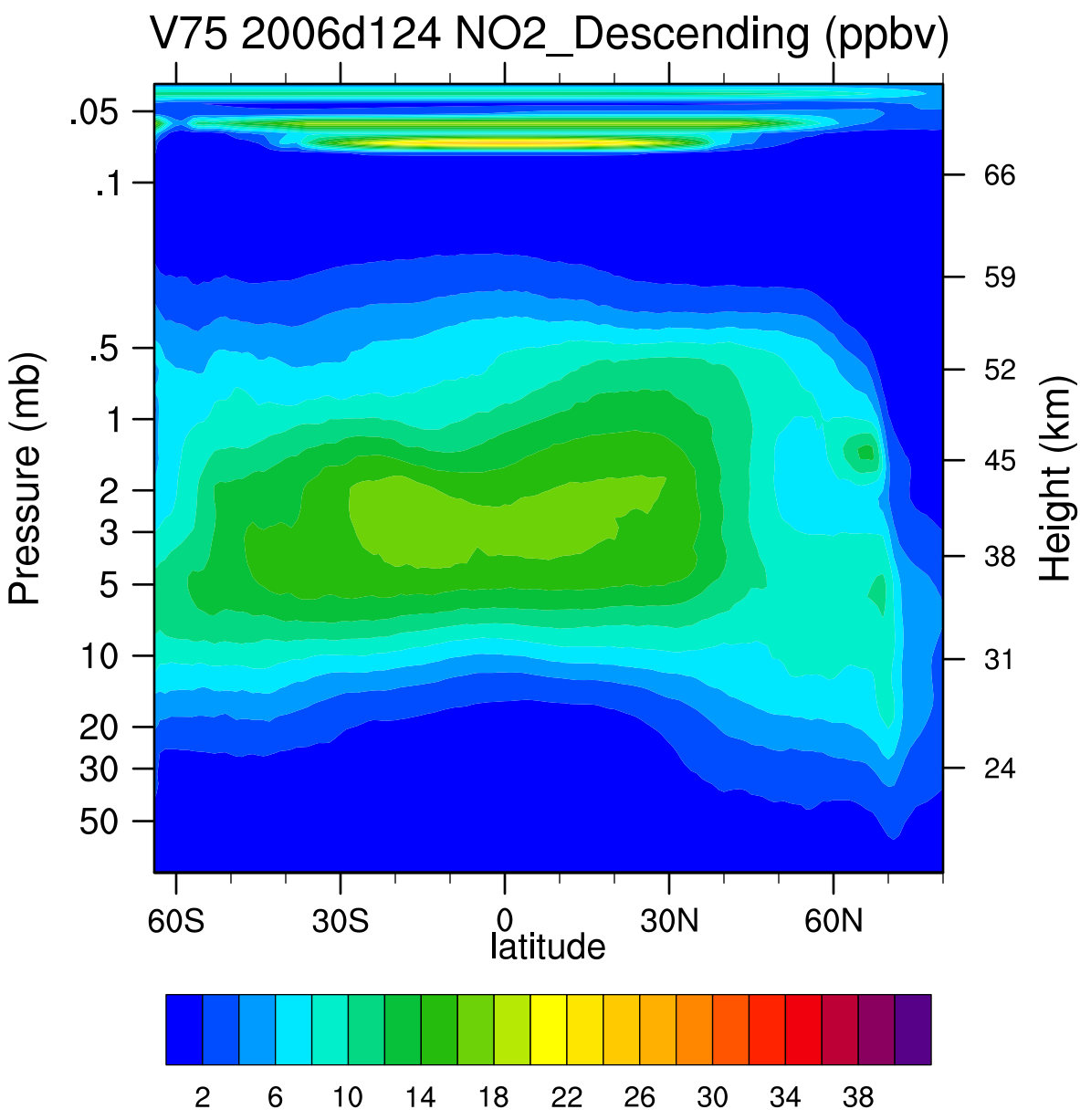
V75 2006d124 NO2_Descending (ppbv)
Pressure (mb)
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.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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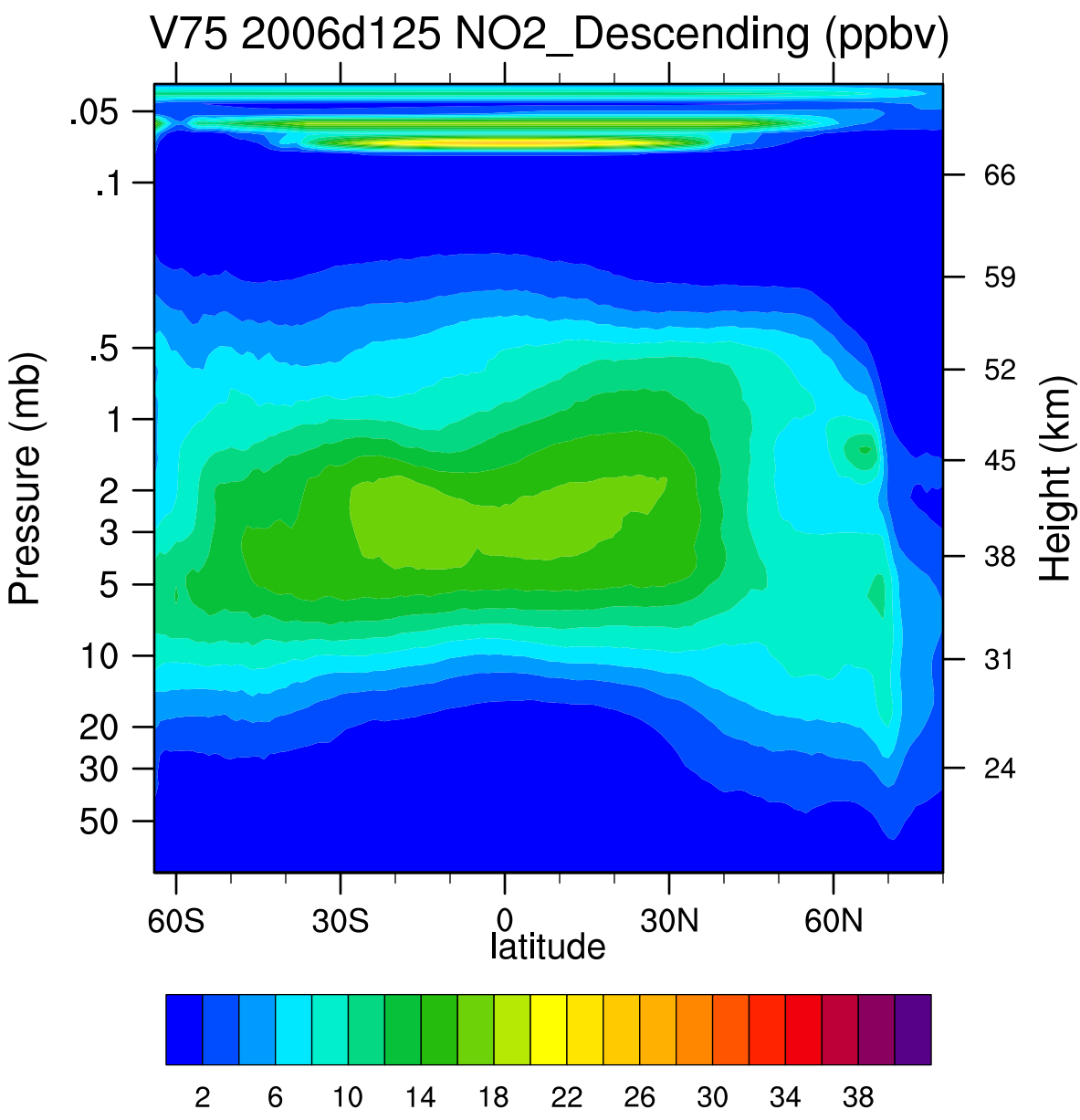
V75 2006d125 NO2_Descending (ppbv)
Pressure (mb)
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2
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5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
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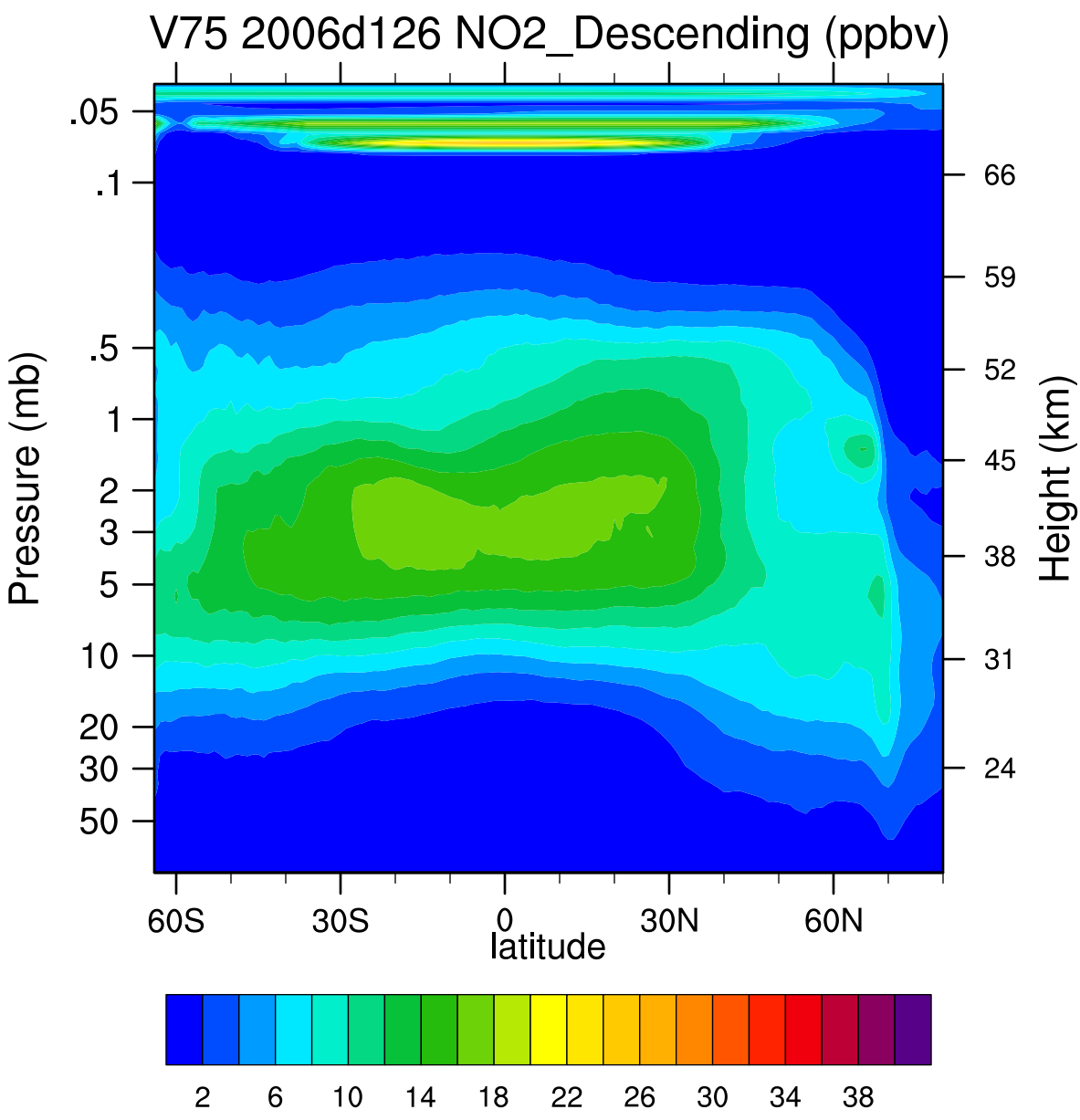
V75 2006d126 NO2_Descending (ppbv)
Pressure (mb)
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.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
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10
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18
22
26
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34
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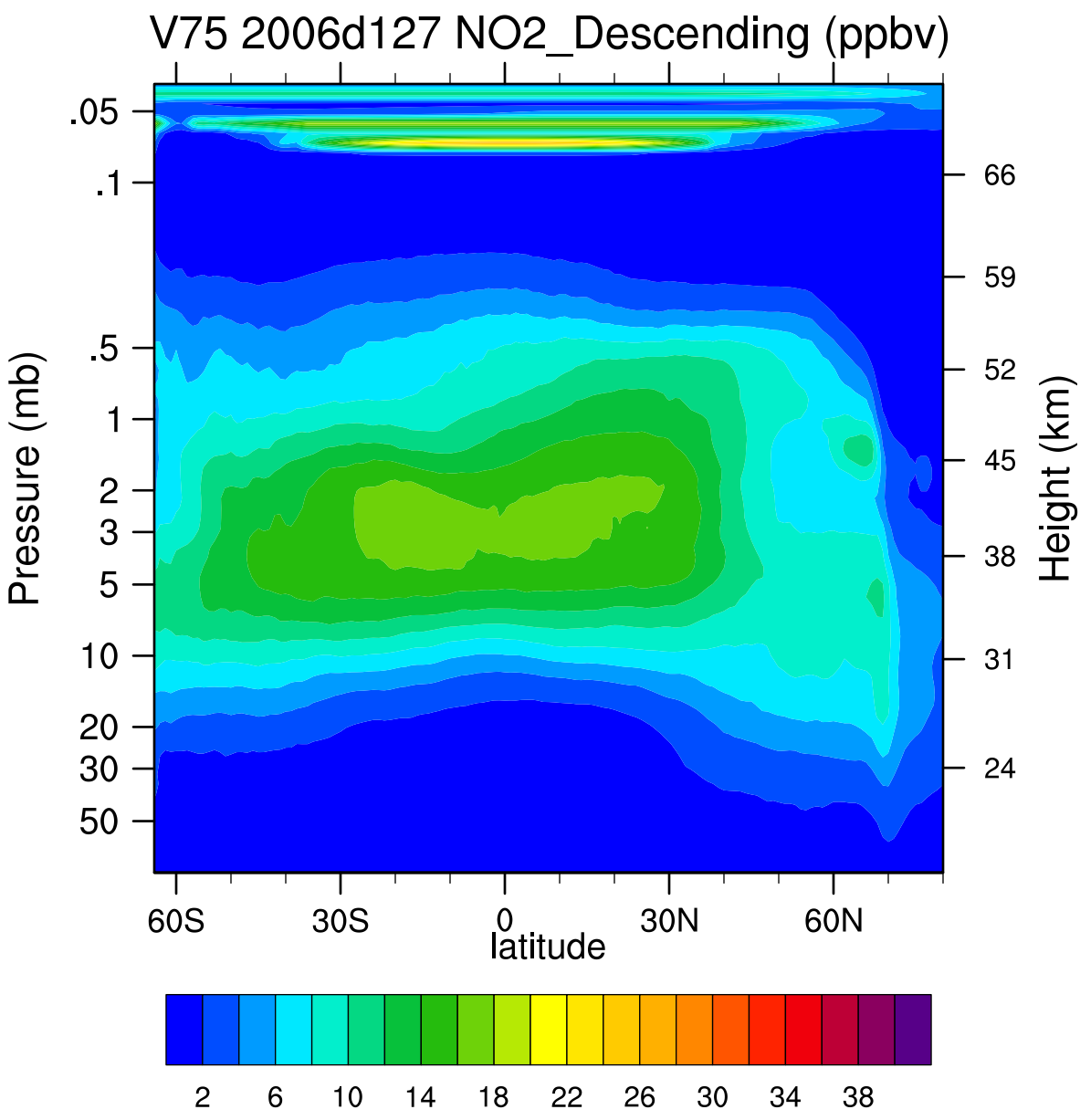
V75 2006d127 NO2_Descending (ppbv)
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.1
.5
1
2
3
5
10
20
30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
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30S
0
30N
60N
latitude
2
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10
14
18
22
26
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34
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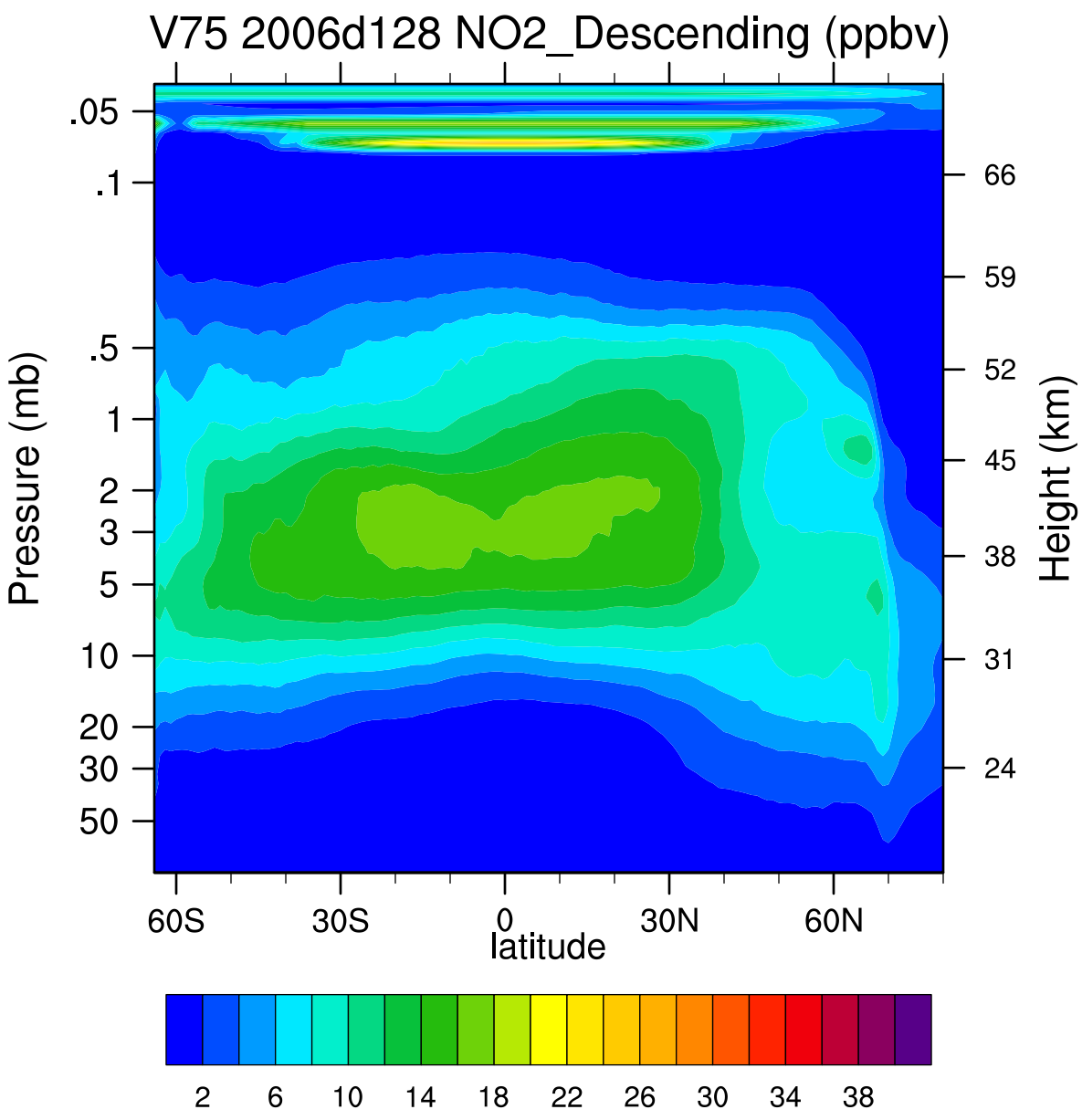
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Pressure (mb)
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.5
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5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
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10
14
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26
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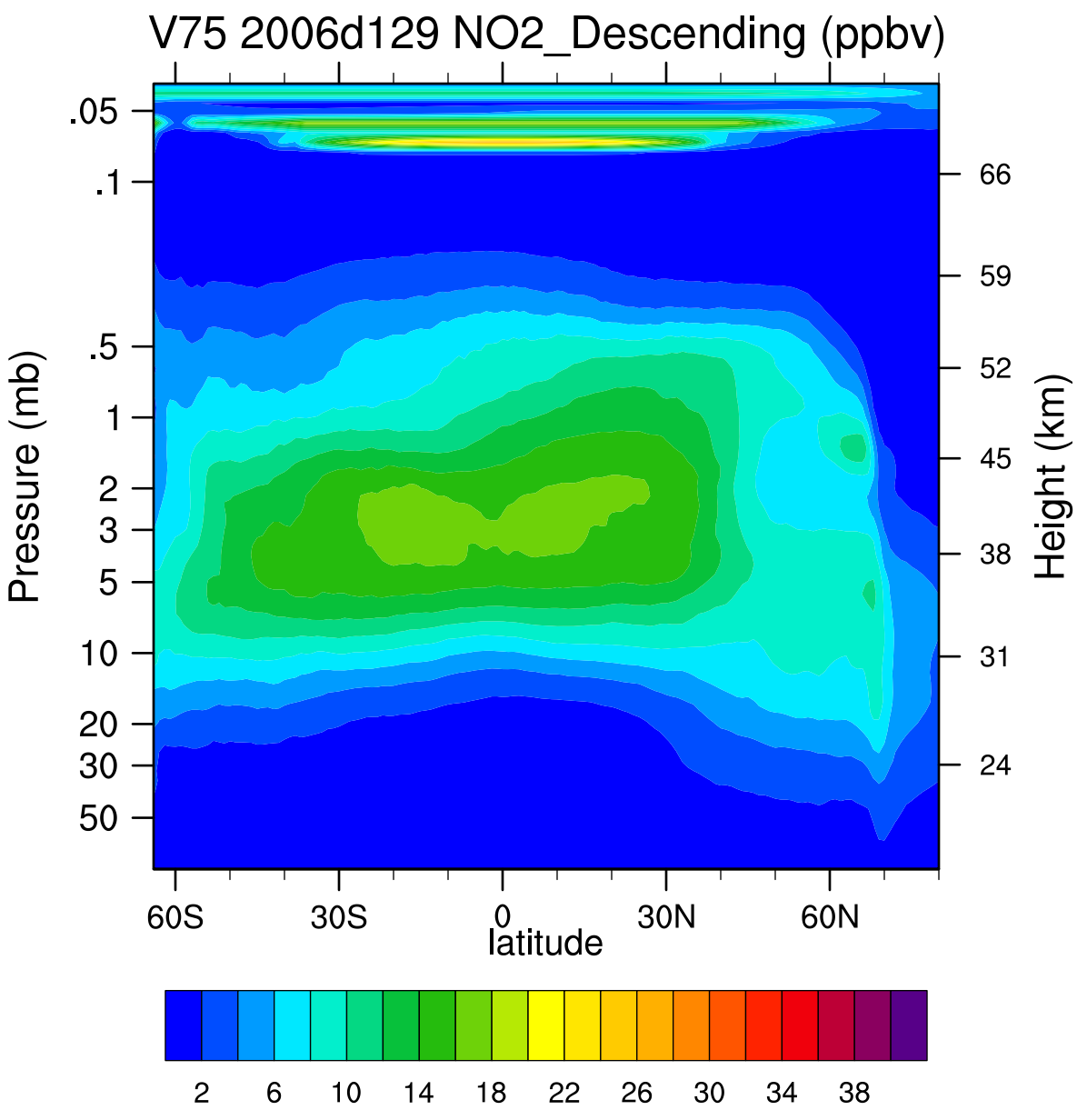
V75 2006d129 NO2_Descending (ppbv)
Pressure (mb)
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.5
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2
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5
10
20
30
50
Height (km)
66
59
52
45
38
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24
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30S
0
30N
60N
latitude
2
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26
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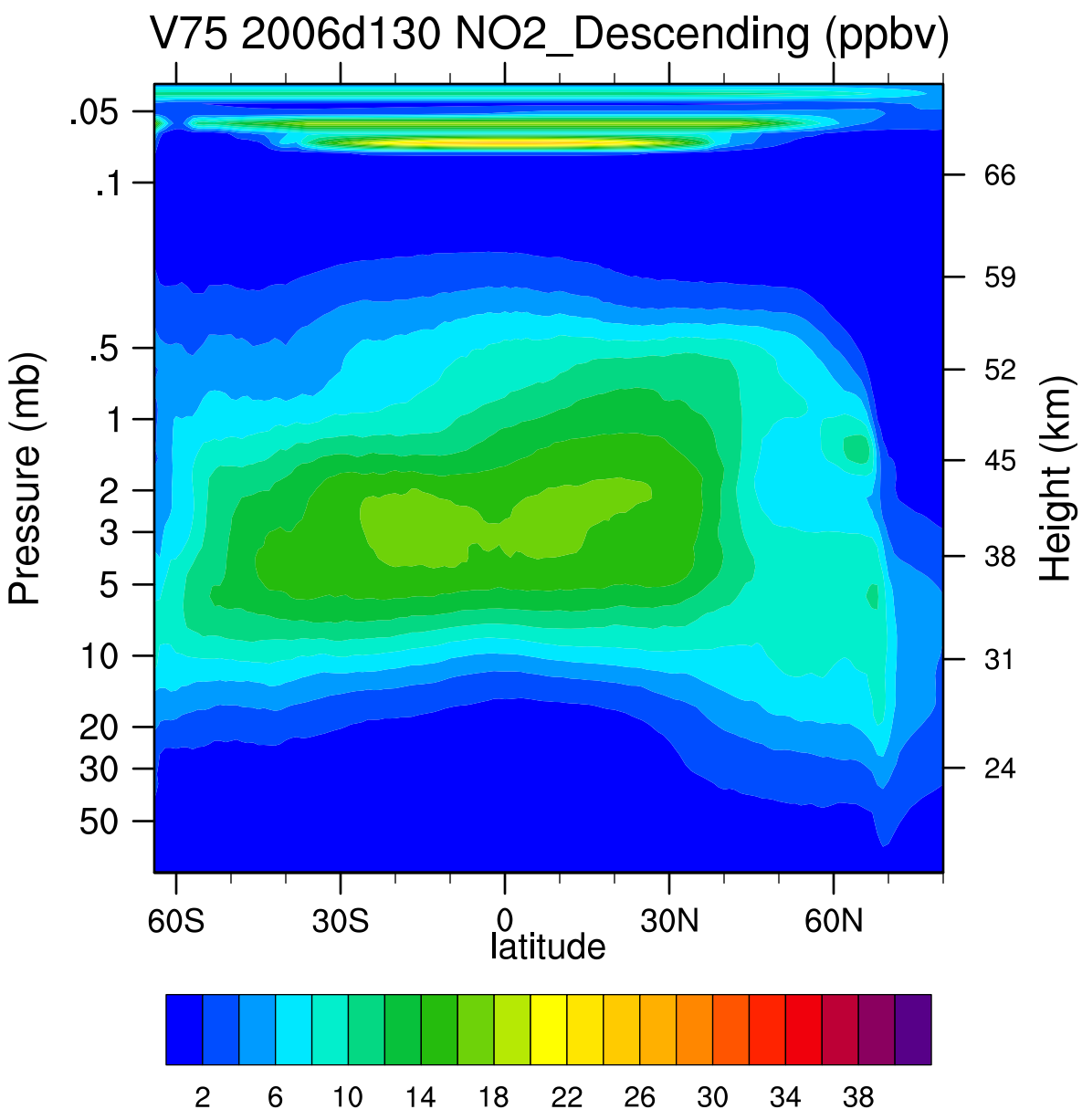
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Pressure (mb)
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.5
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5
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30
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Height (km)
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59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
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10
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26
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34
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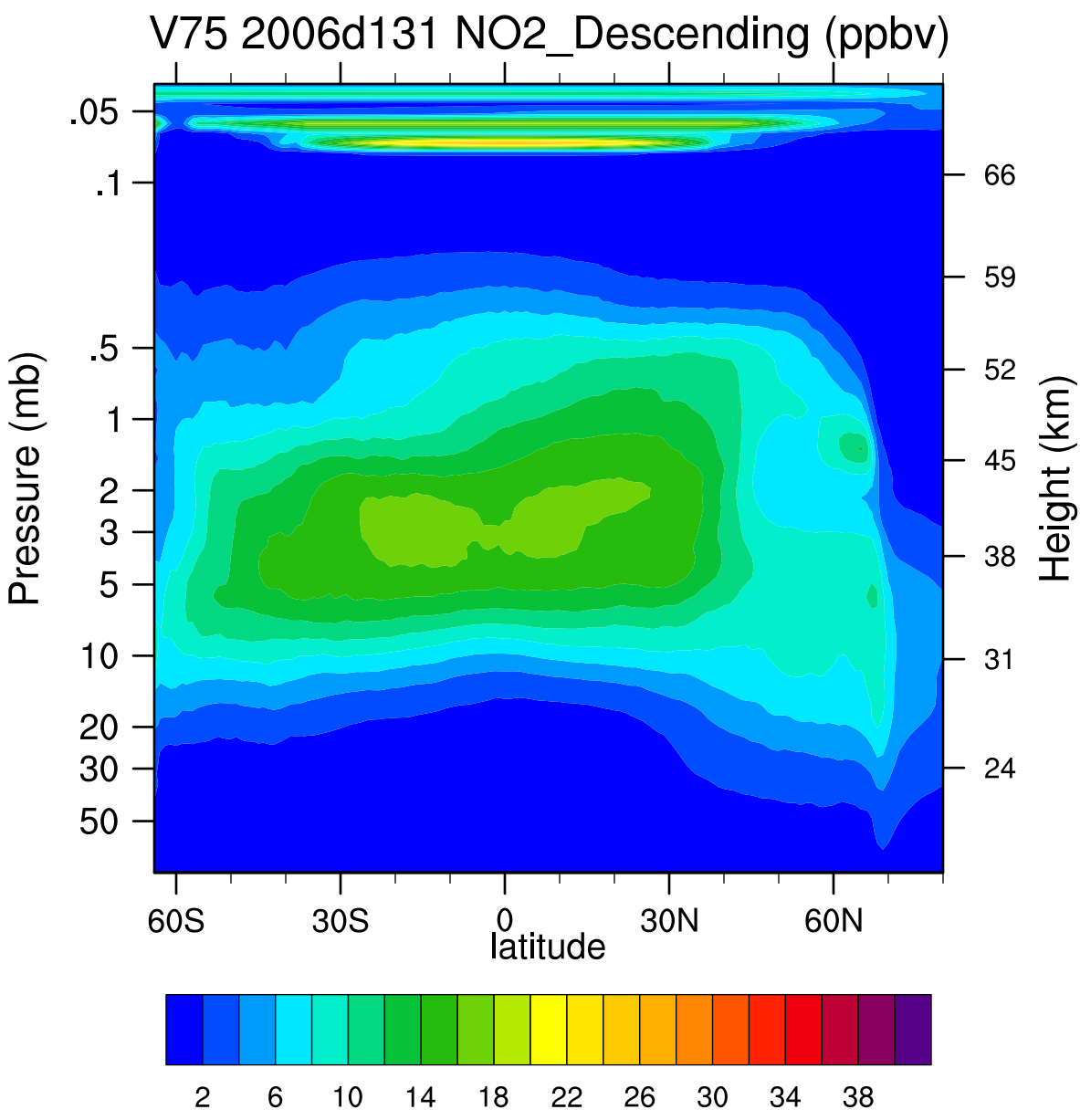
V75 2006d131 NO2_Descending (ppbv)
Pressure (mb)
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.5
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5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
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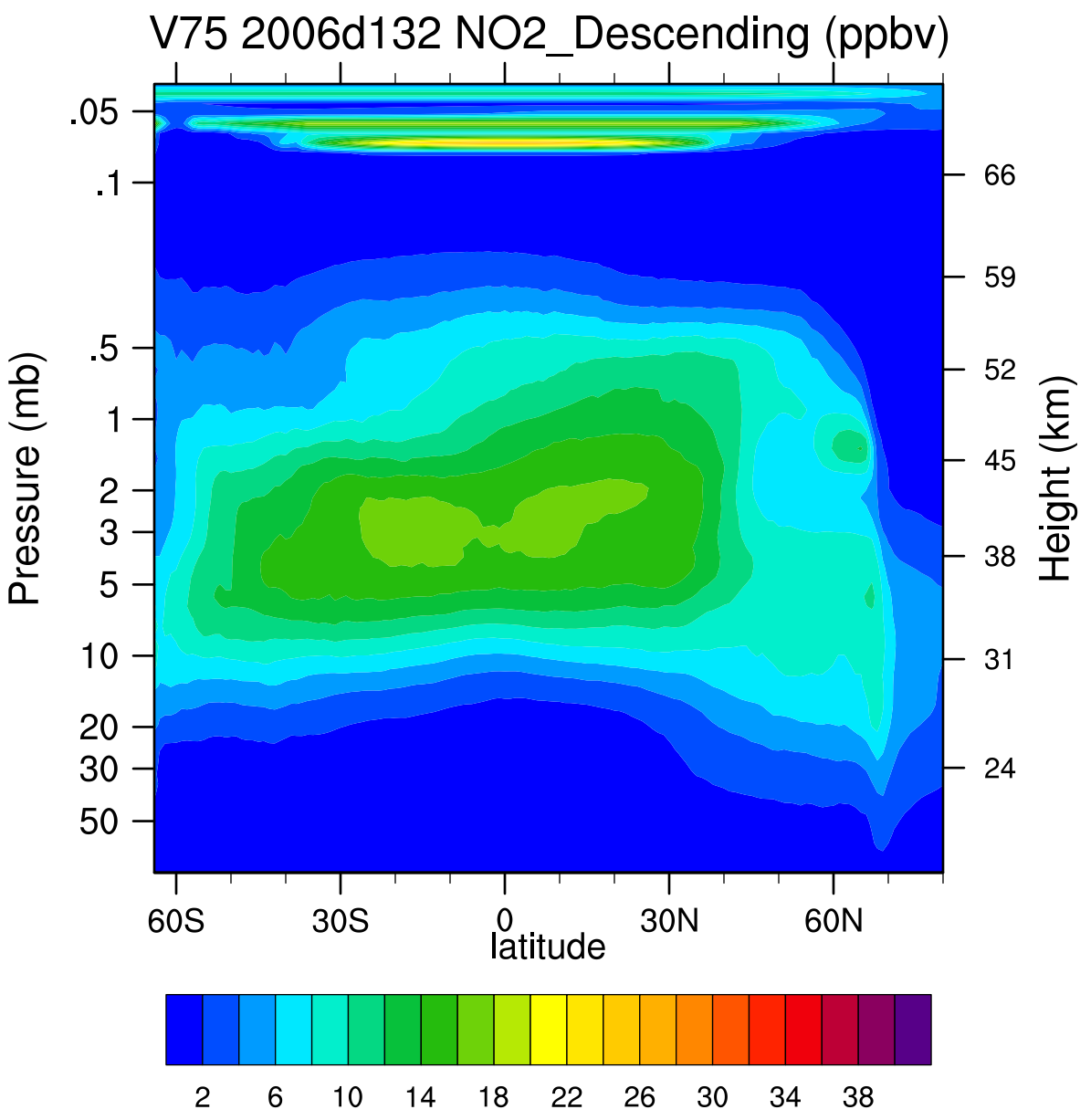
V75 2006d132 NO2_Descending (ppbv)
Pressure (mb)
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.5
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3
5
10
20
30
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Height (km)
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59
52
45
38
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24
60S
30S
0
30N
60N
latitude
2
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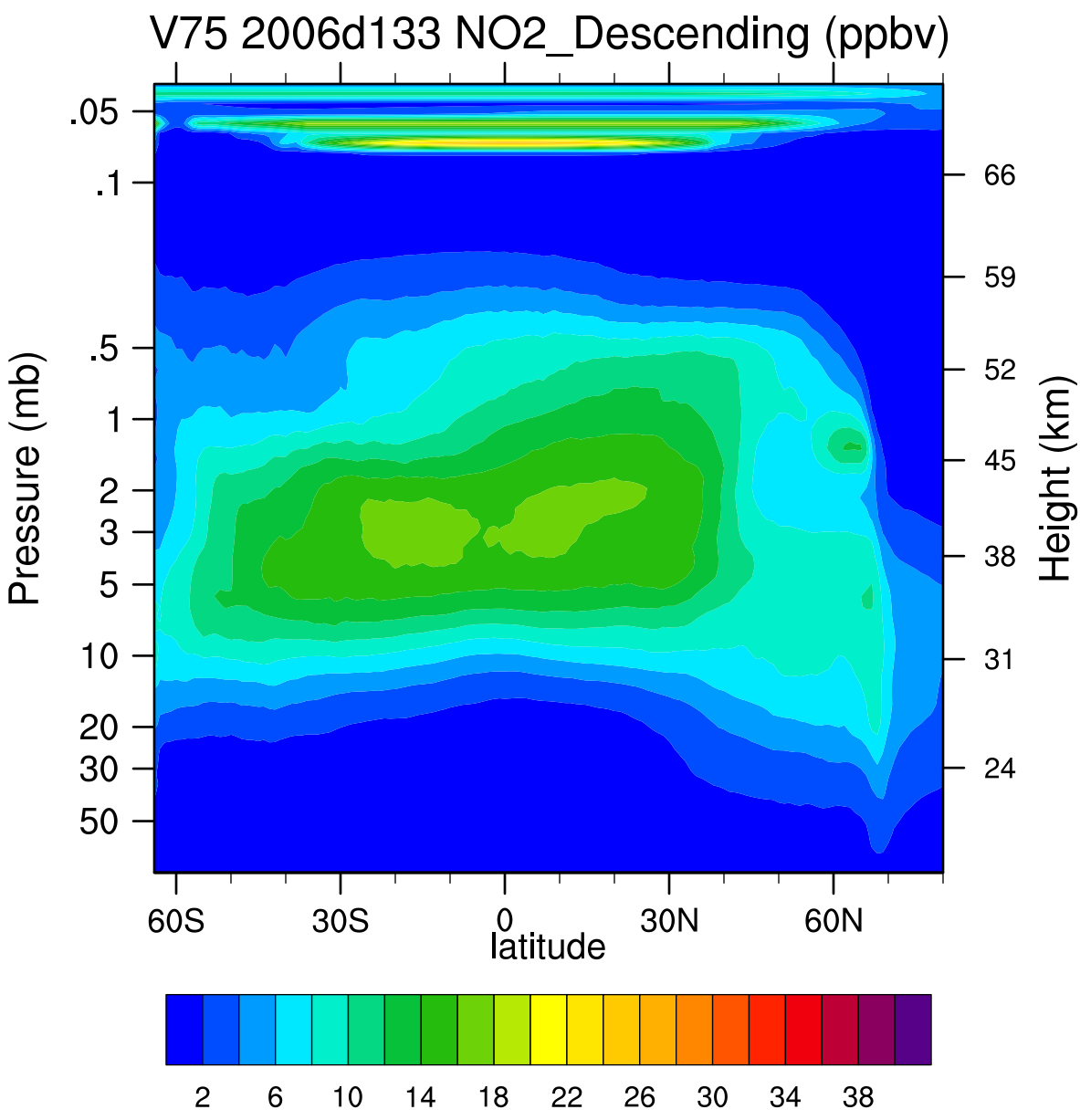
V75 2006d133 NO2_Descending (ppbv)
Pressure (mb)
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.5
1
2
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5
10
20
30
50
Height (km)
66
59
52
45
38
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24
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30S
0
30N
60N
latitude
2
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10
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26
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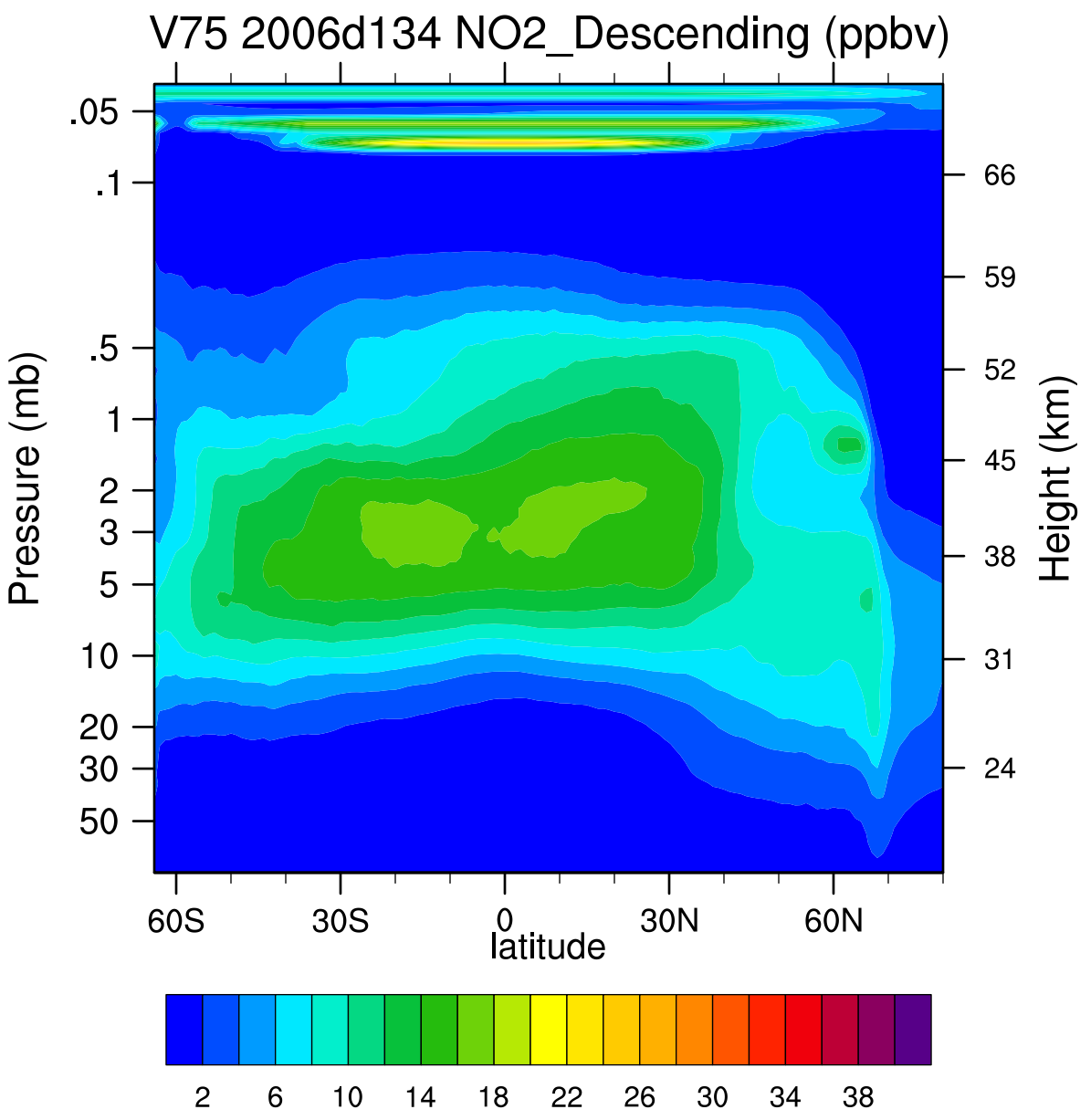
V75 2006d134 NO2_Descending (ppbv)
Pressure (mb)
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.5
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2
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5
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20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
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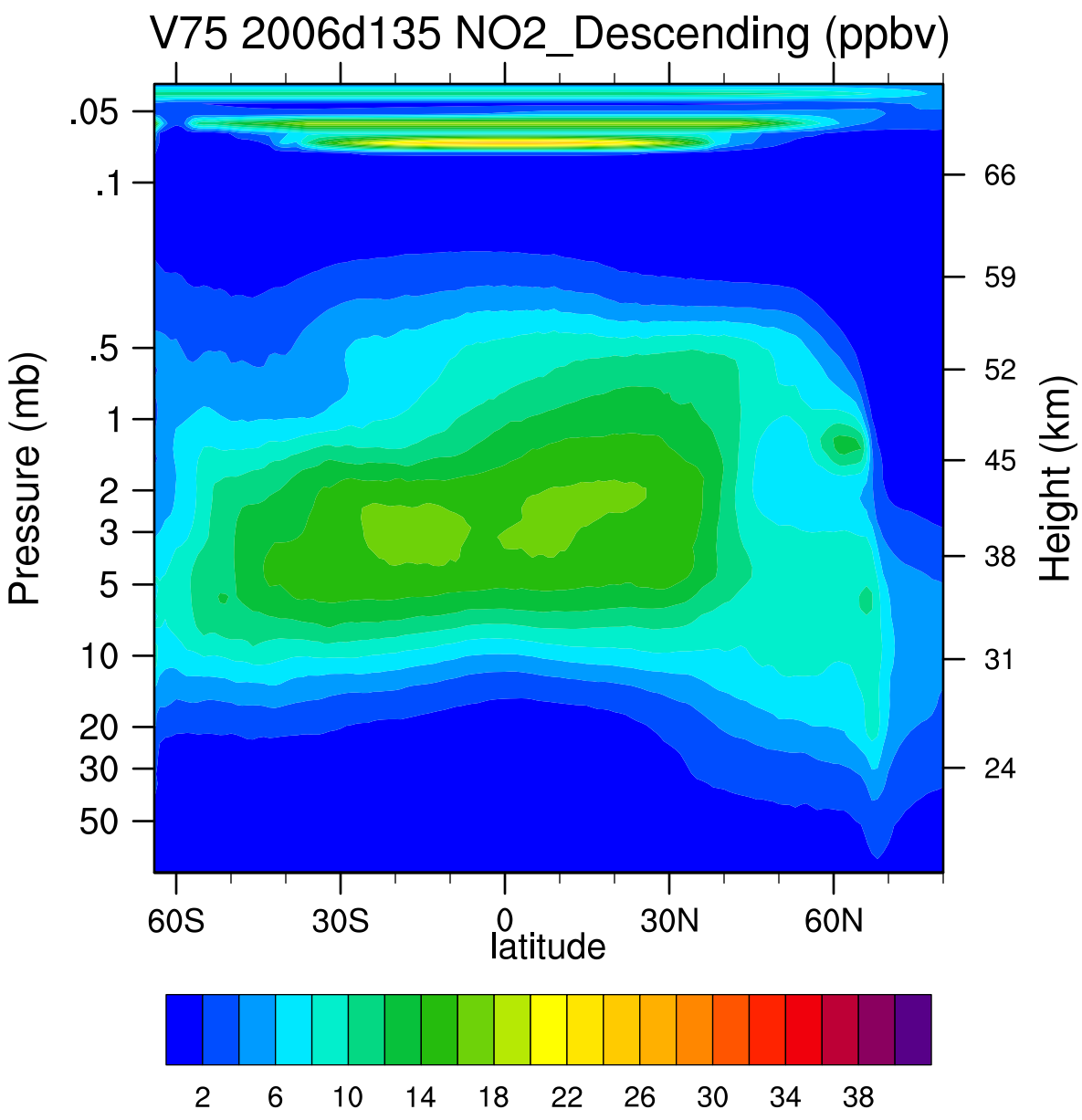
34
38


V75 2006d135 NO2_Descending (ppbv)
Pressure (mb)
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.5
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2
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5
10
20
30
50
Height (km)
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59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
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10
14
18
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26
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34
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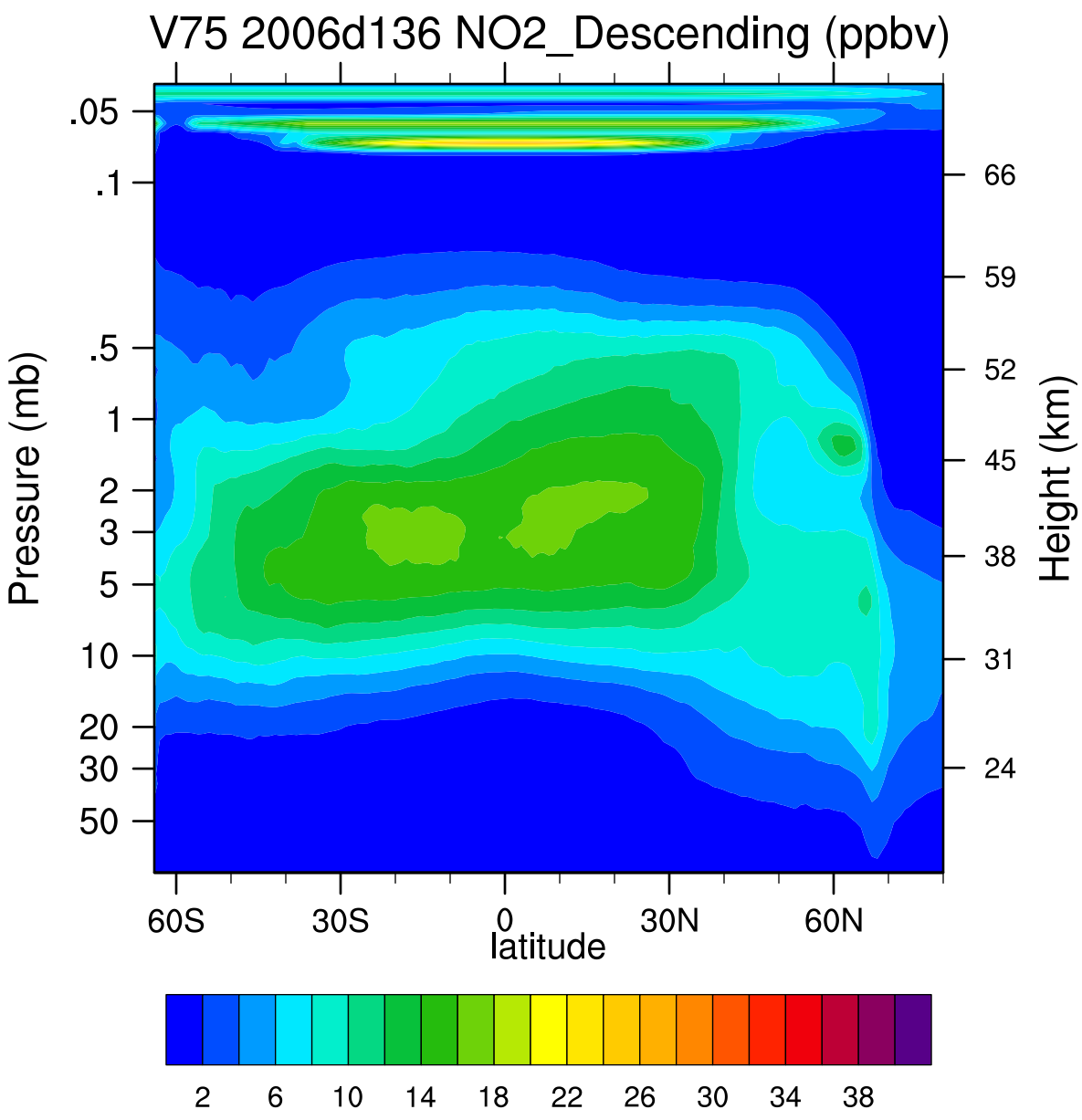
V75 2006d136 NO2_Descending (ppbv)
Pressure (mb)
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.5
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Height (km)
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59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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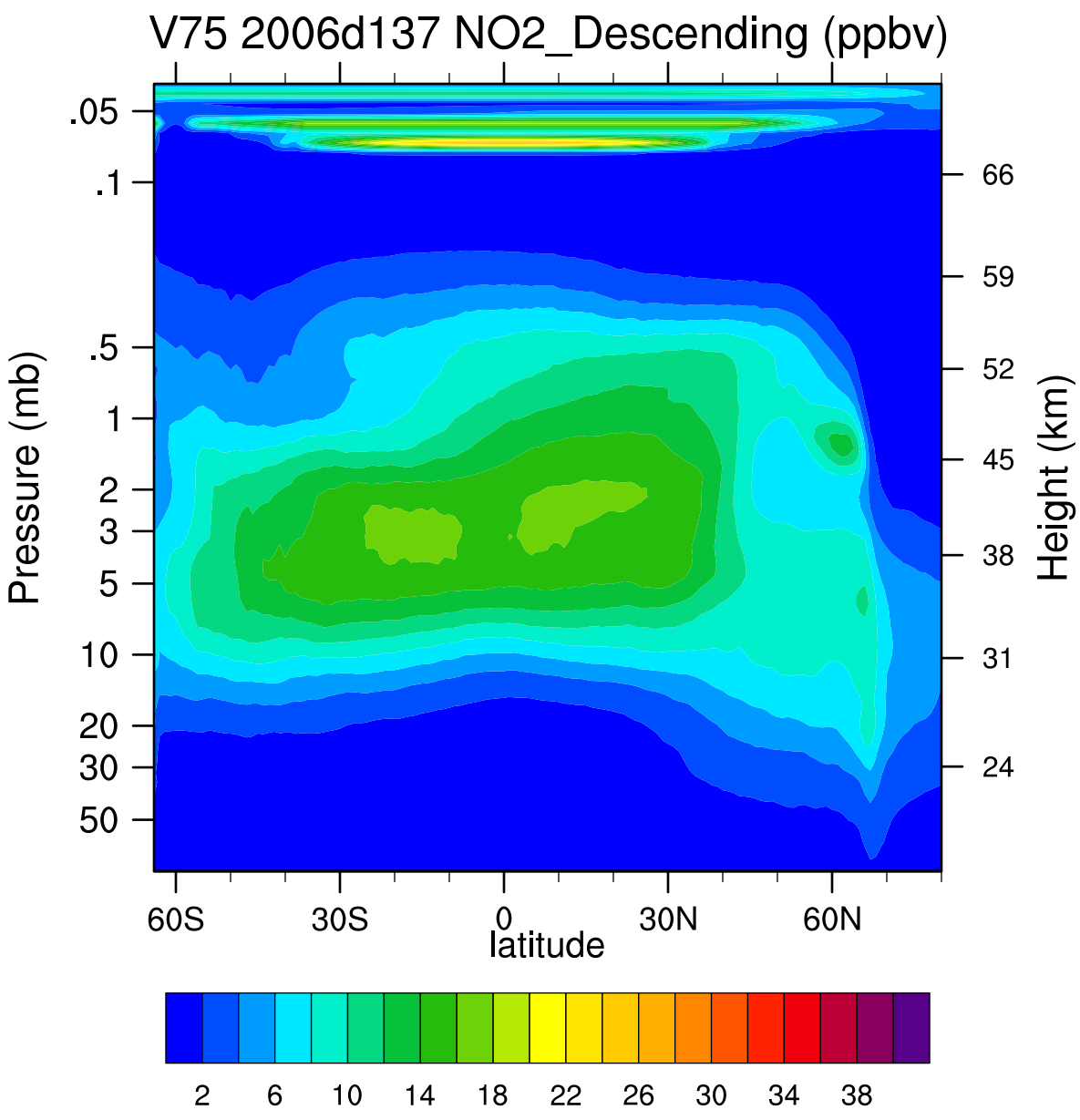
V75 2006d137 NO2_Descending (ppbv)
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.5
1
2
3
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20
30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
60S
30S
0
30N
60N
latitude
2
6
10
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18
22
26
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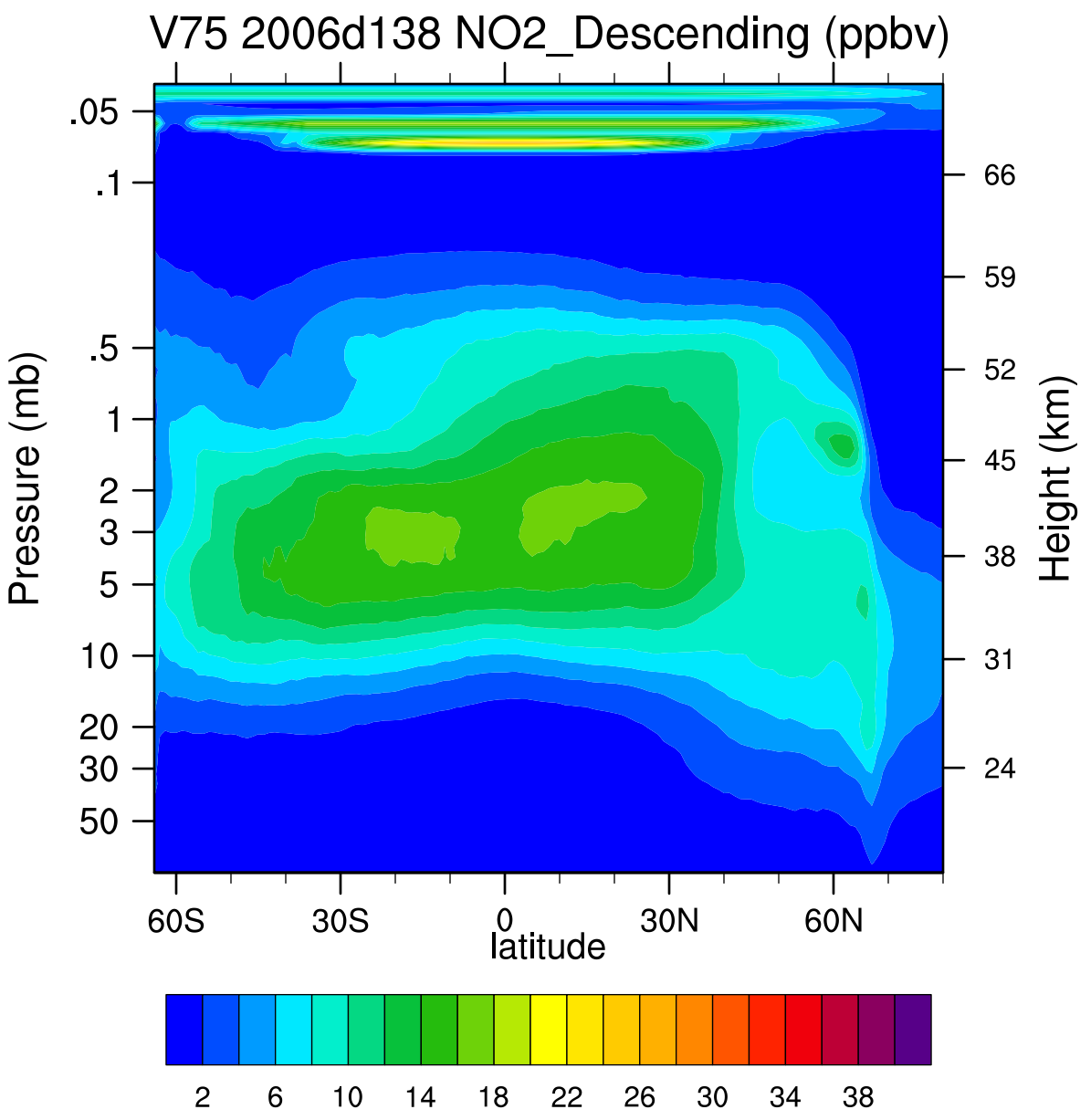
34
38


V75 2006d138 NO2_Descending (ppbv)
Pressure (mb)
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.5
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2
3
5
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Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
6
10
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18
22
26
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34
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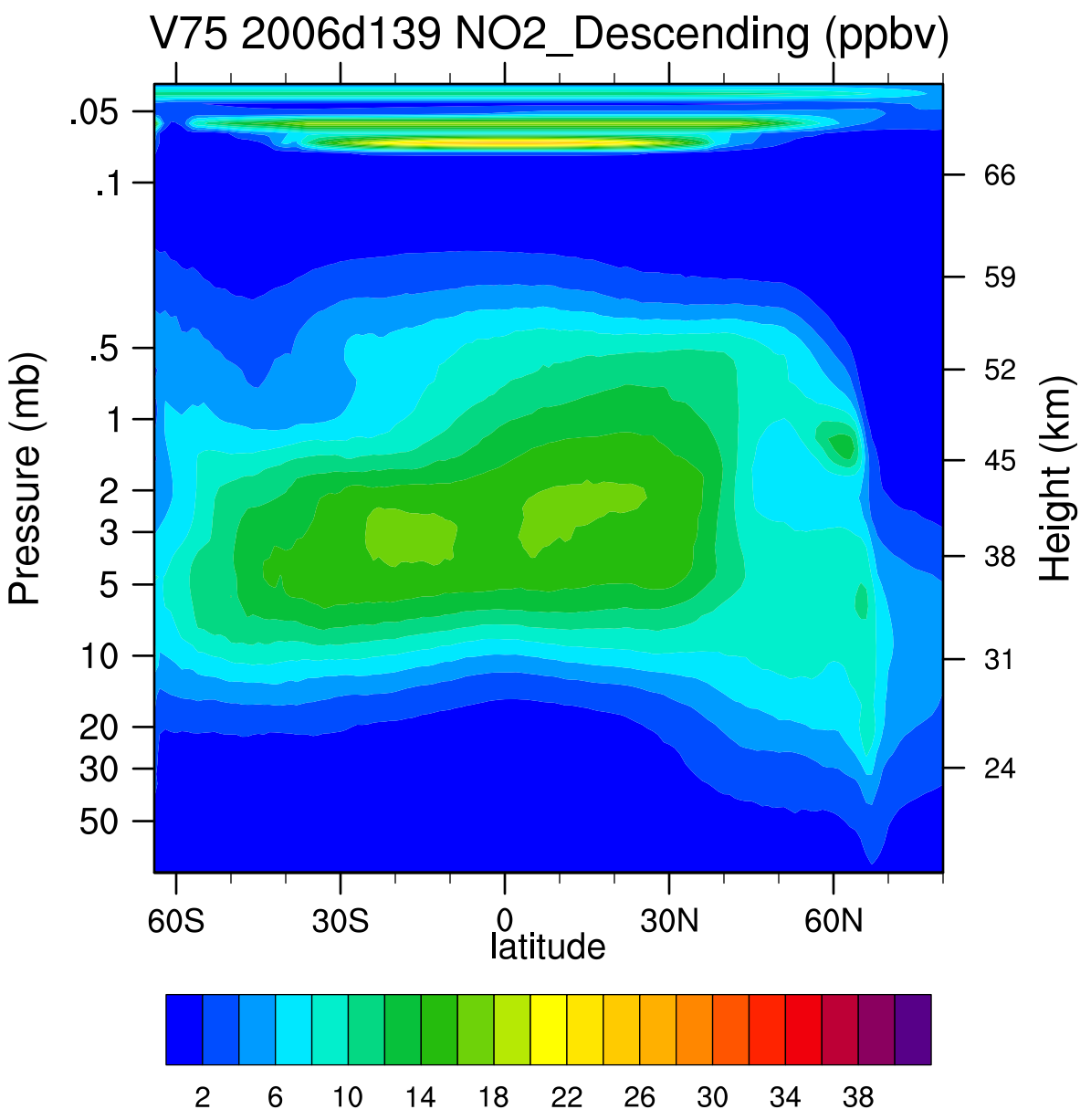
V75 2006d139 NO2_Descending (ppbv)
Pressure (mb)
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.5
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2
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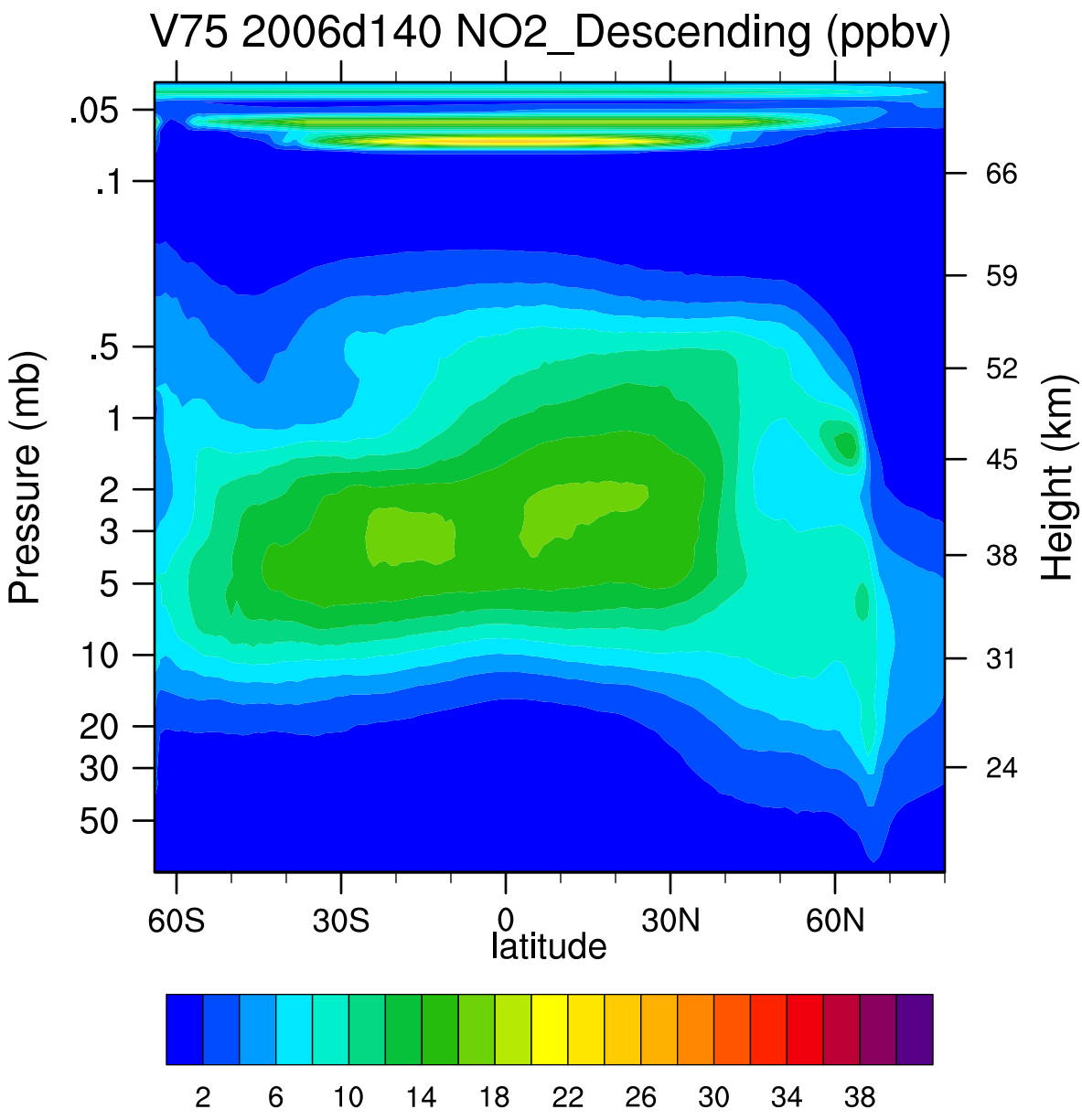
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2006d140 NO2_Descending (ppbv)
Pressure (mb)
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2
3
5
10
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Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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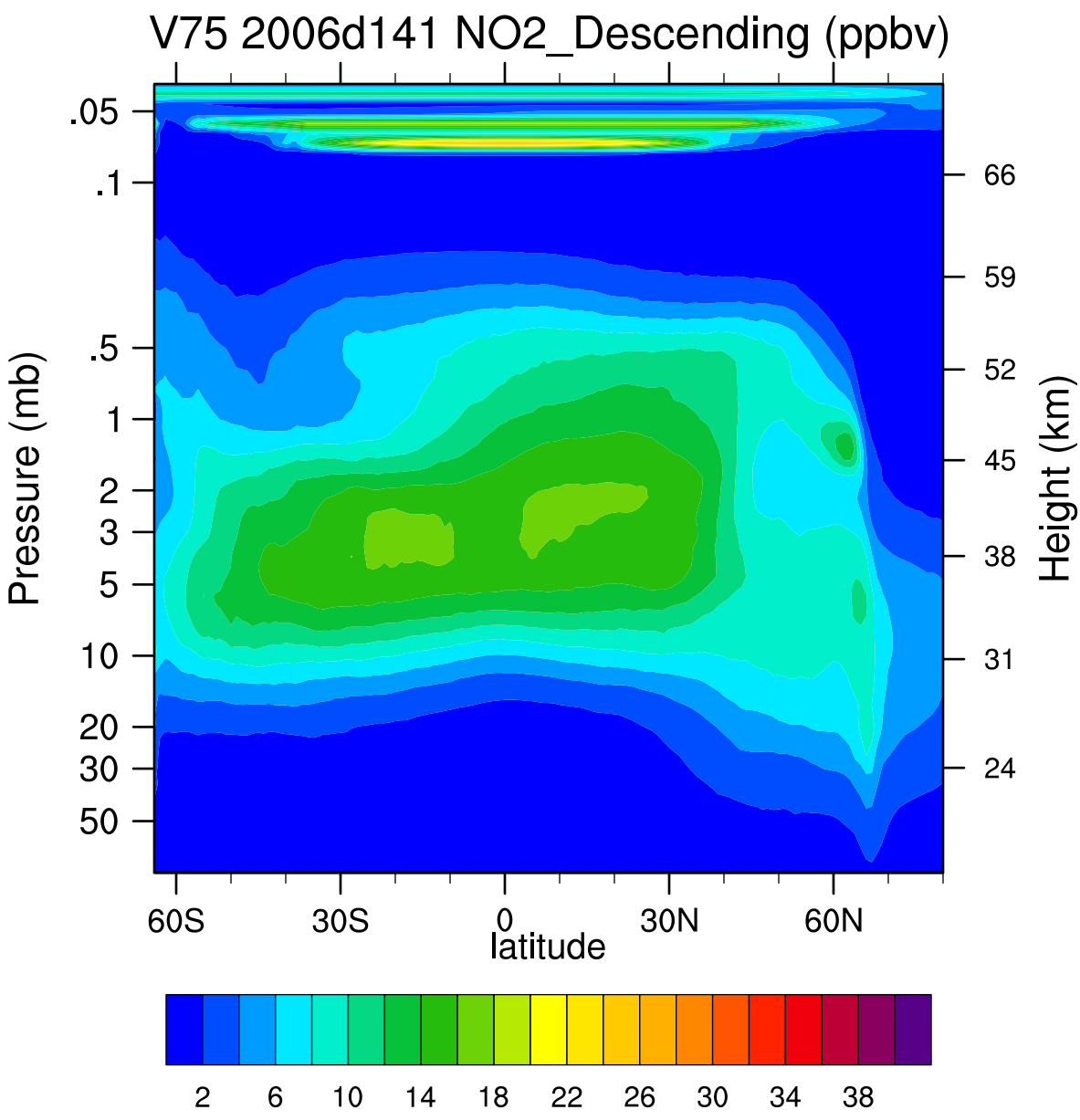
V75 2006d141 NO2_Descending (ppbv)
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.5
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2
3
5
10
20
30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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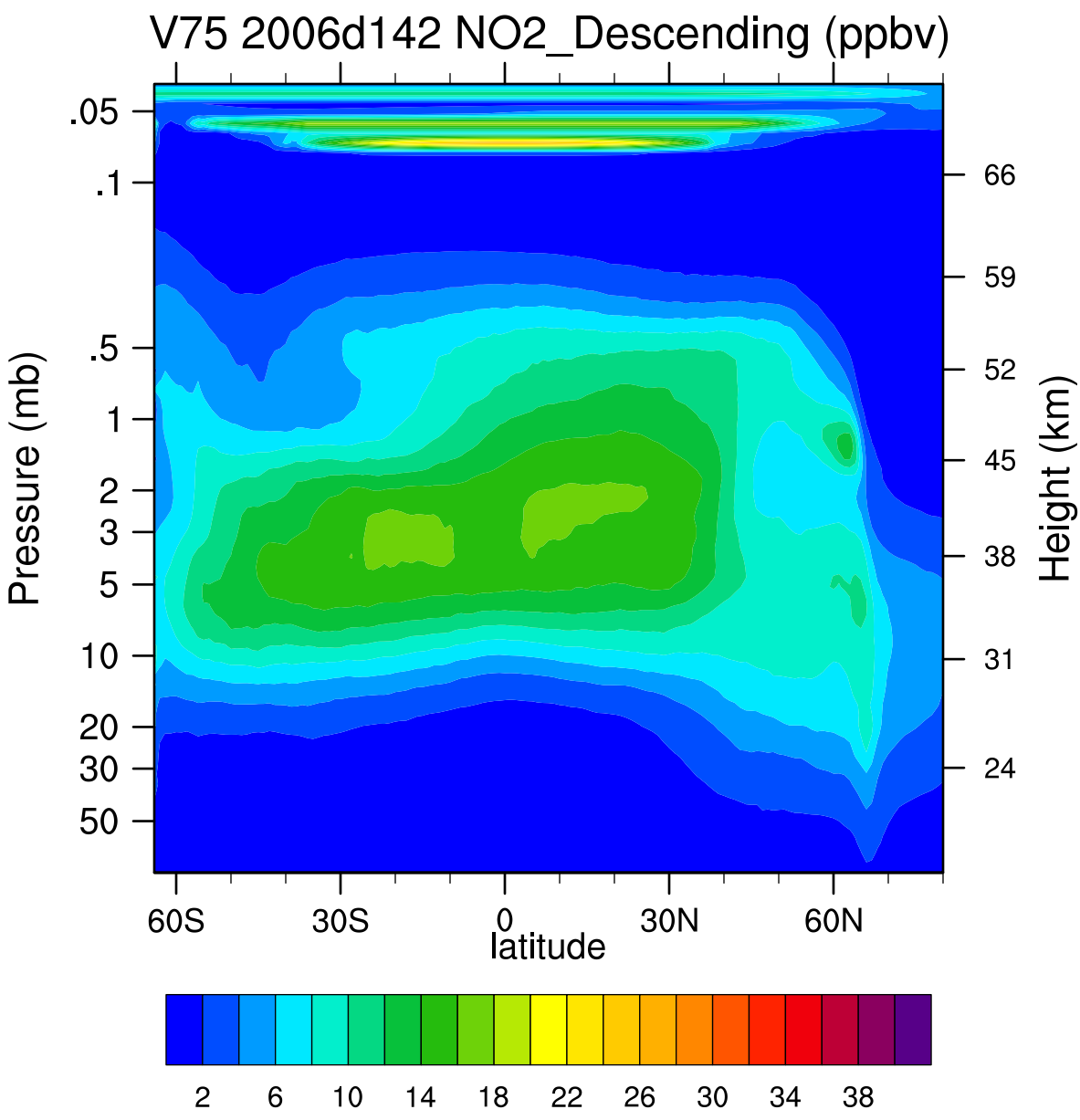
V75 2006d142 NO2_Descending (ppbv)
Pressure (mb)
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1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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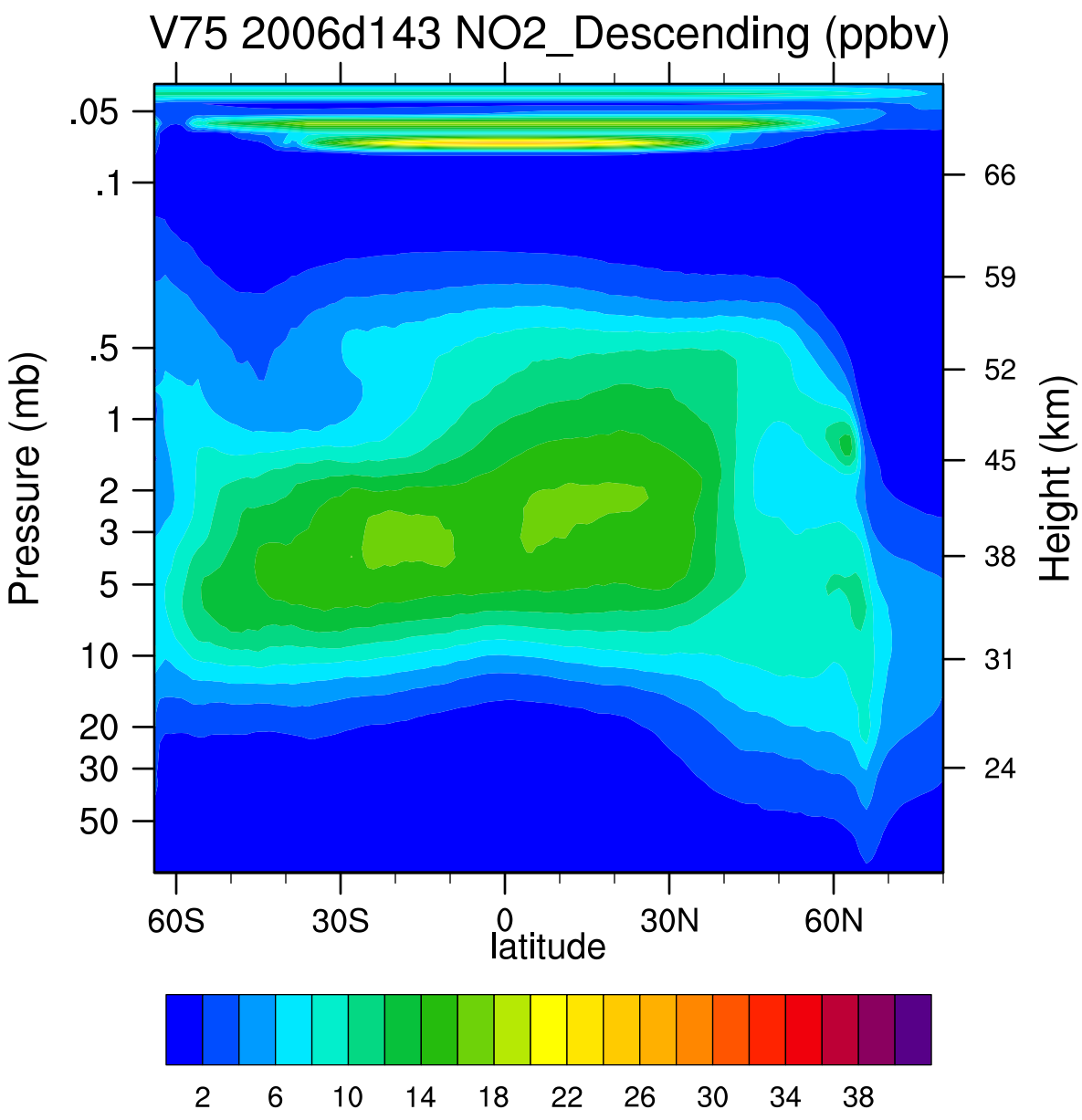
V75 2006d143 NO2_Descending (ppbv)
Pressure (mb)
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2
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5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
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14
18
22
26
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34
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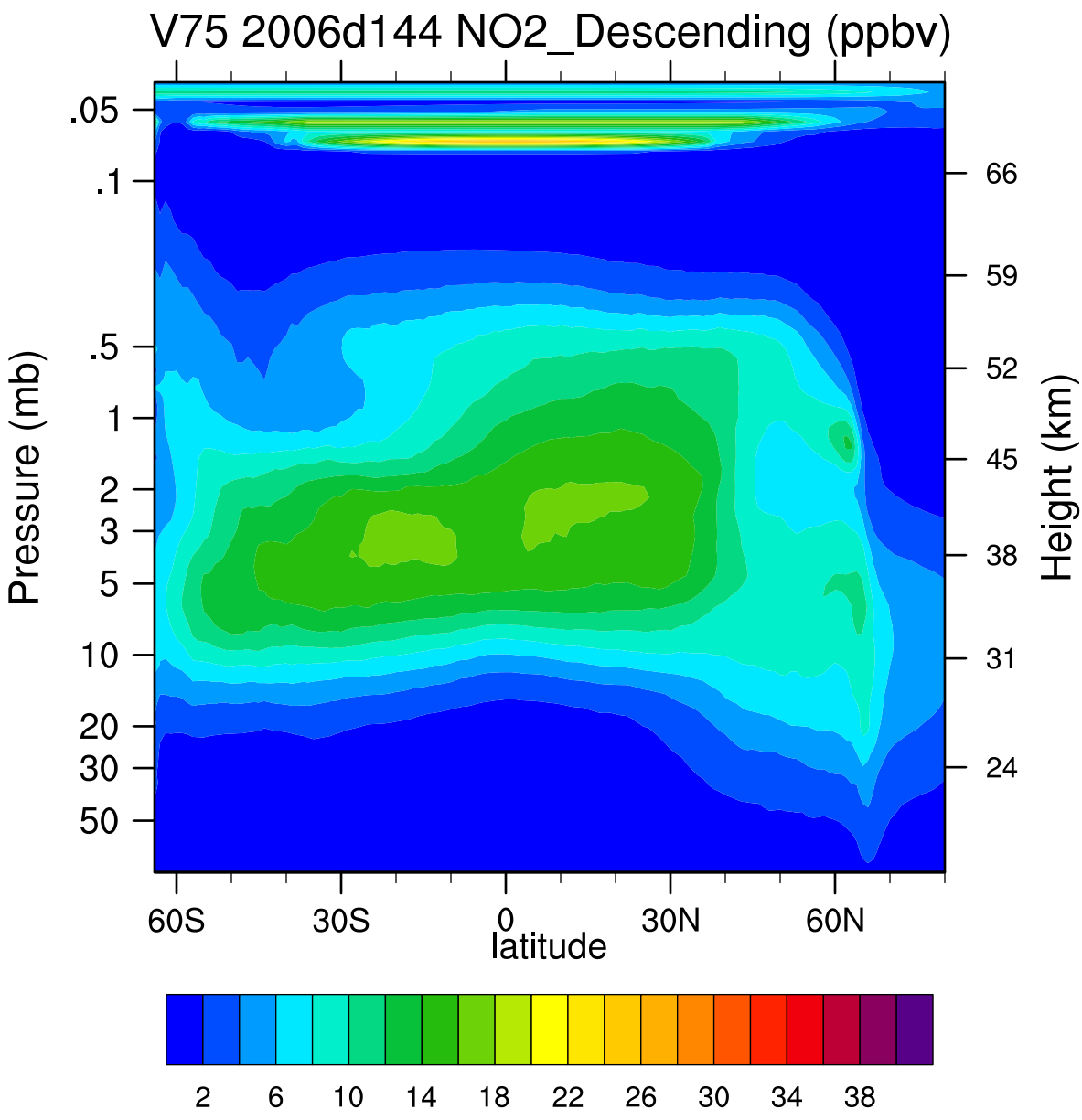
V75 2006d144 NO2_Descending (ppbv)
Pressure (mb)
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30
50
Height (km)
66
59
52
45
38
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24
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30S
0
30N
60N
latitude
2
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22
26
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34
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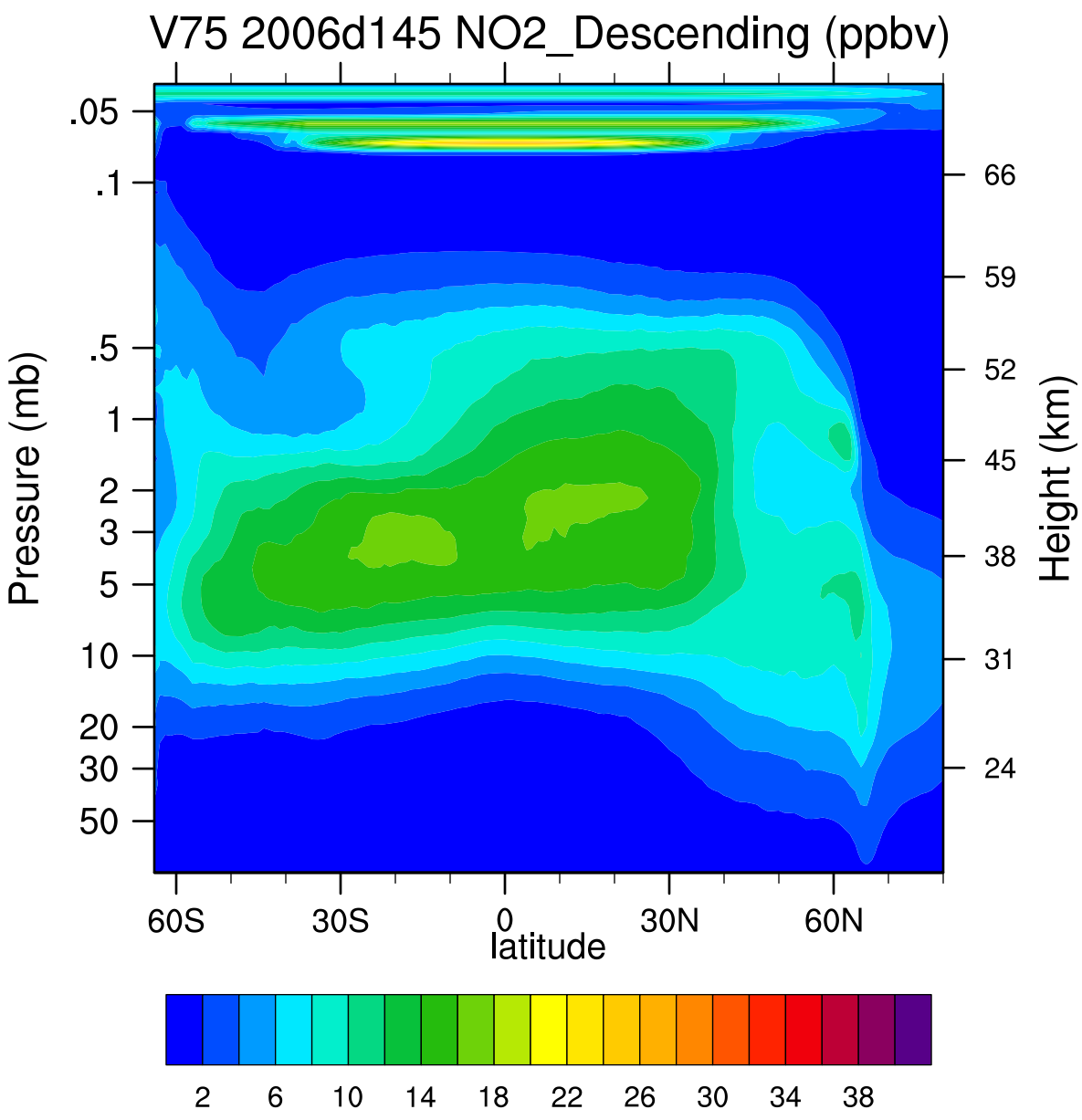
V75 2006d145 NO2_Descending (ppbv)
Pressure (mb)
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Height (km)
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59
52
45
38
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30S
0
30N
60N
latitude
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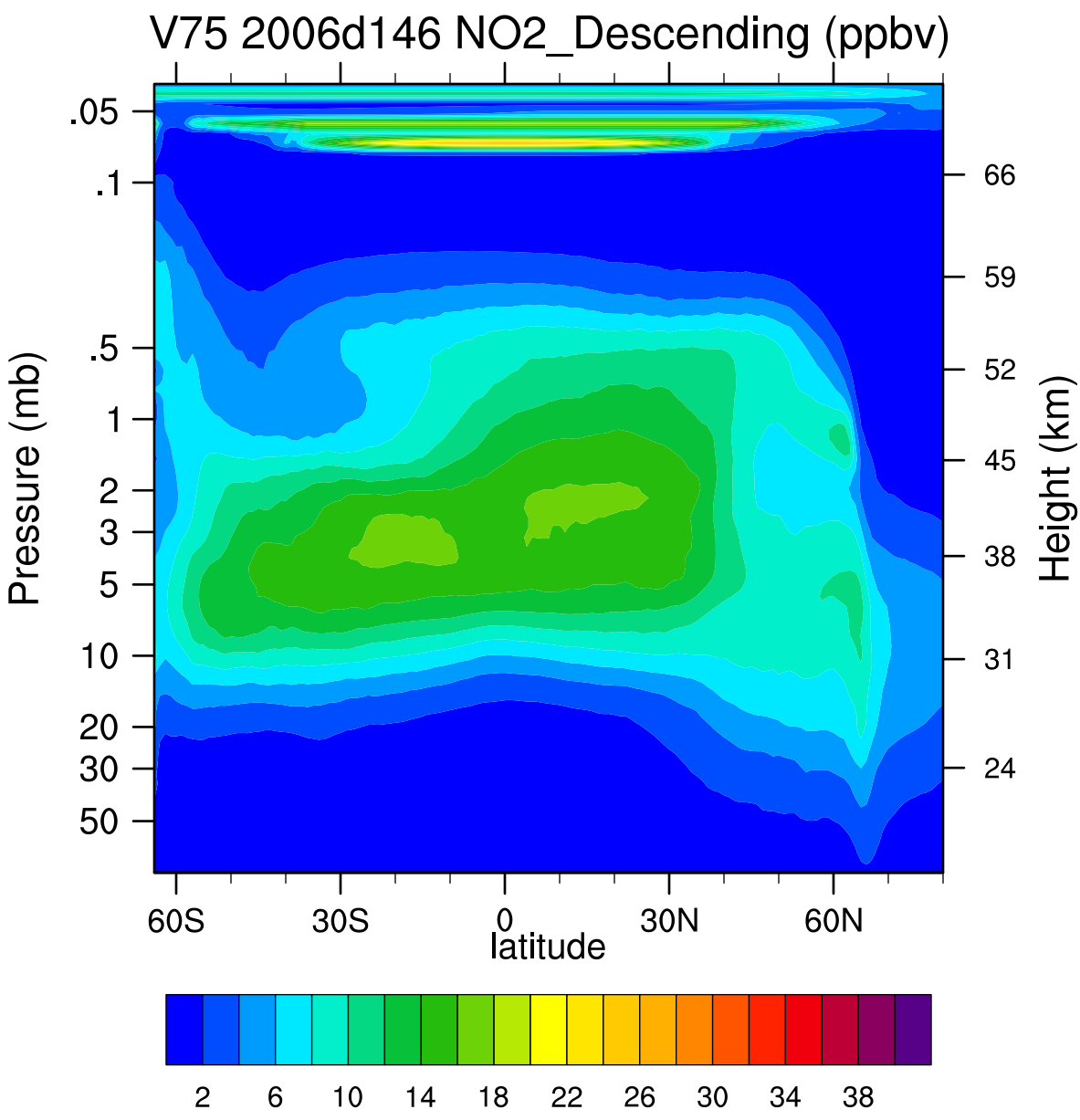
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Pressure (mb)
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.5
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Height (km)
66
59
52
45
38
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24
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30S
0
30N
60N
latitude
2
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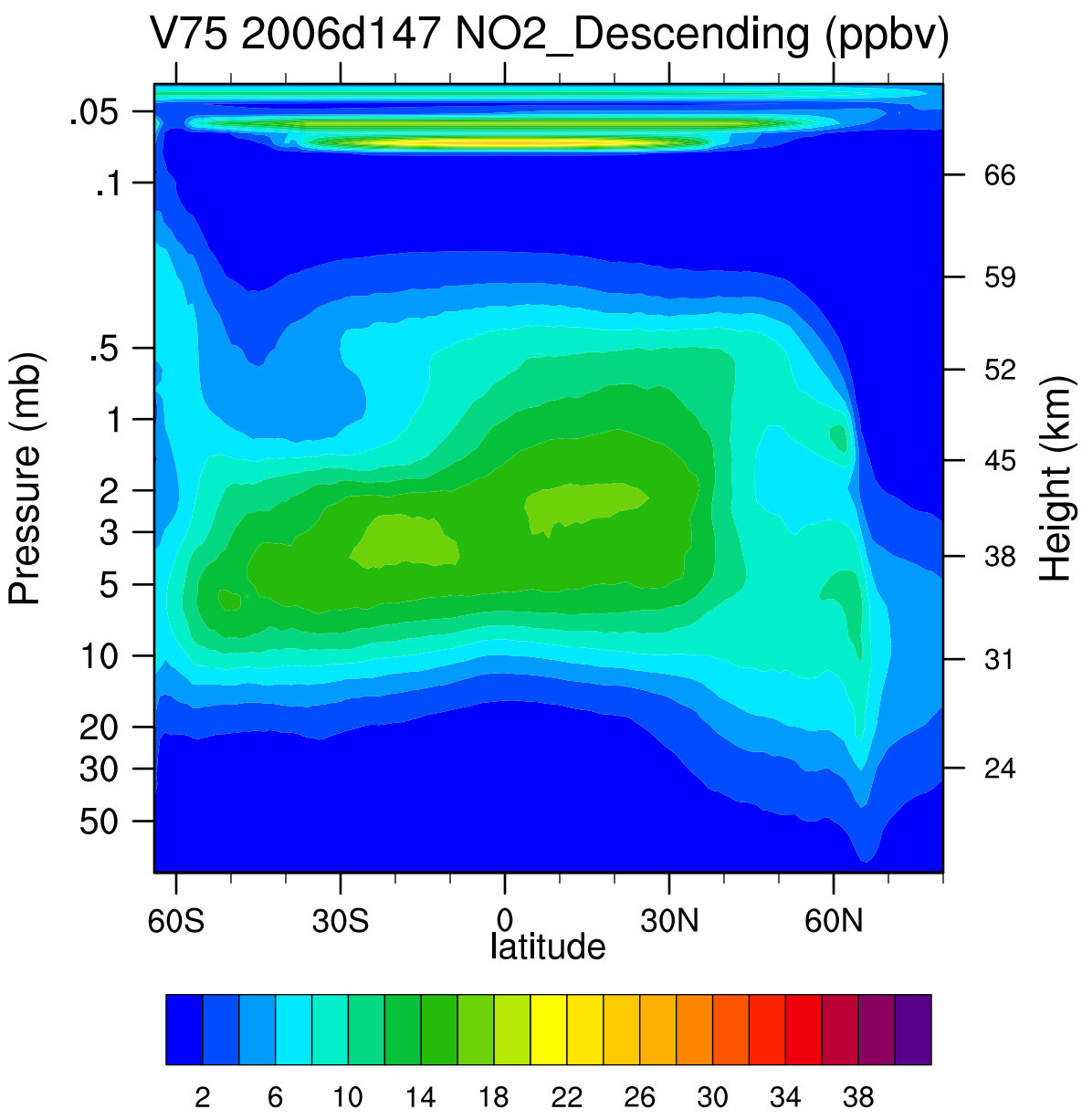
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Pressure (mb)
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10
20
30
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Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
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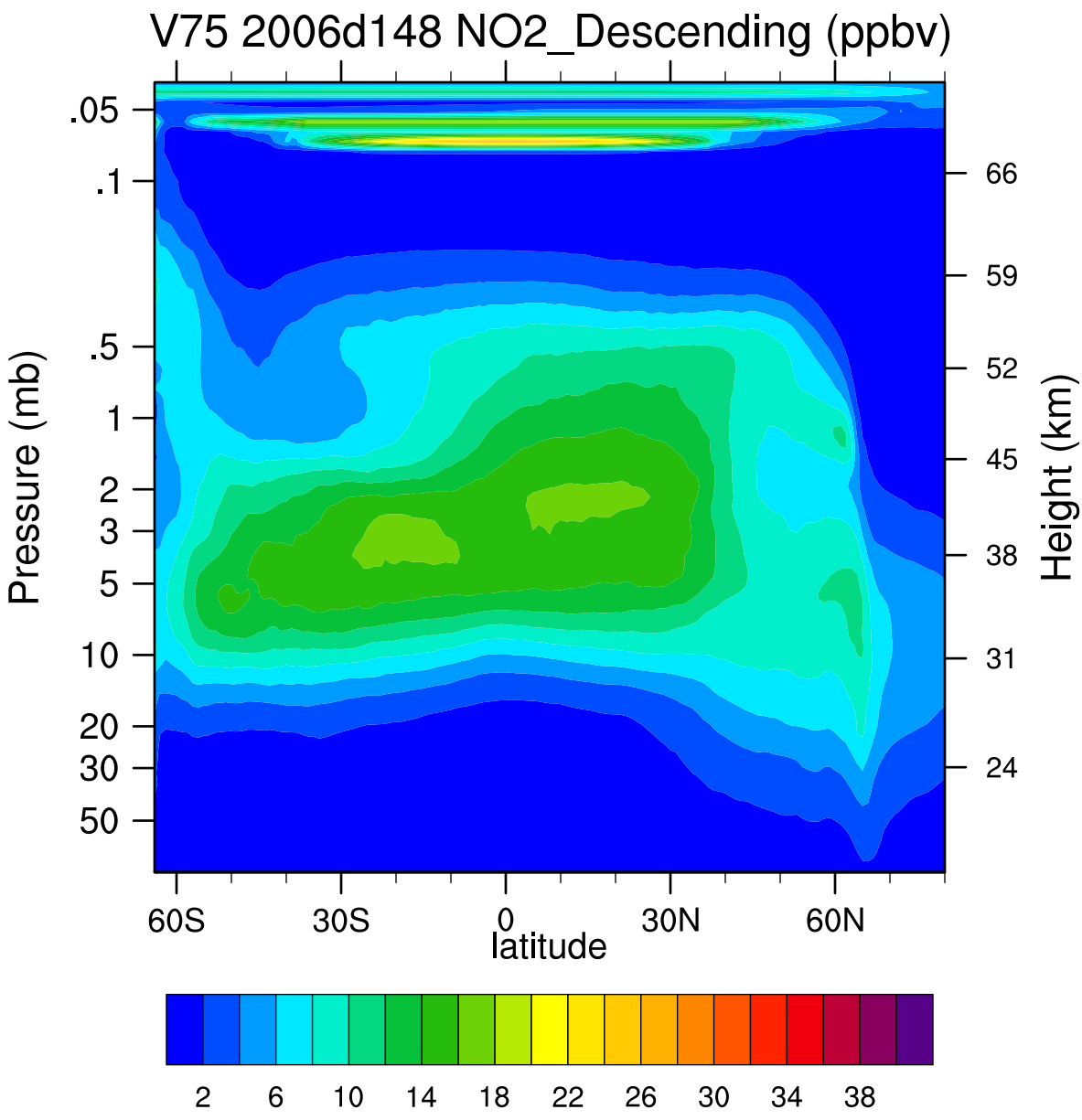
V75 2006d148 NO2_Descending (ppbv)
Pressure (mb)
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.5
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2
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5
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20
30
50
Height (km)
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59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
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18
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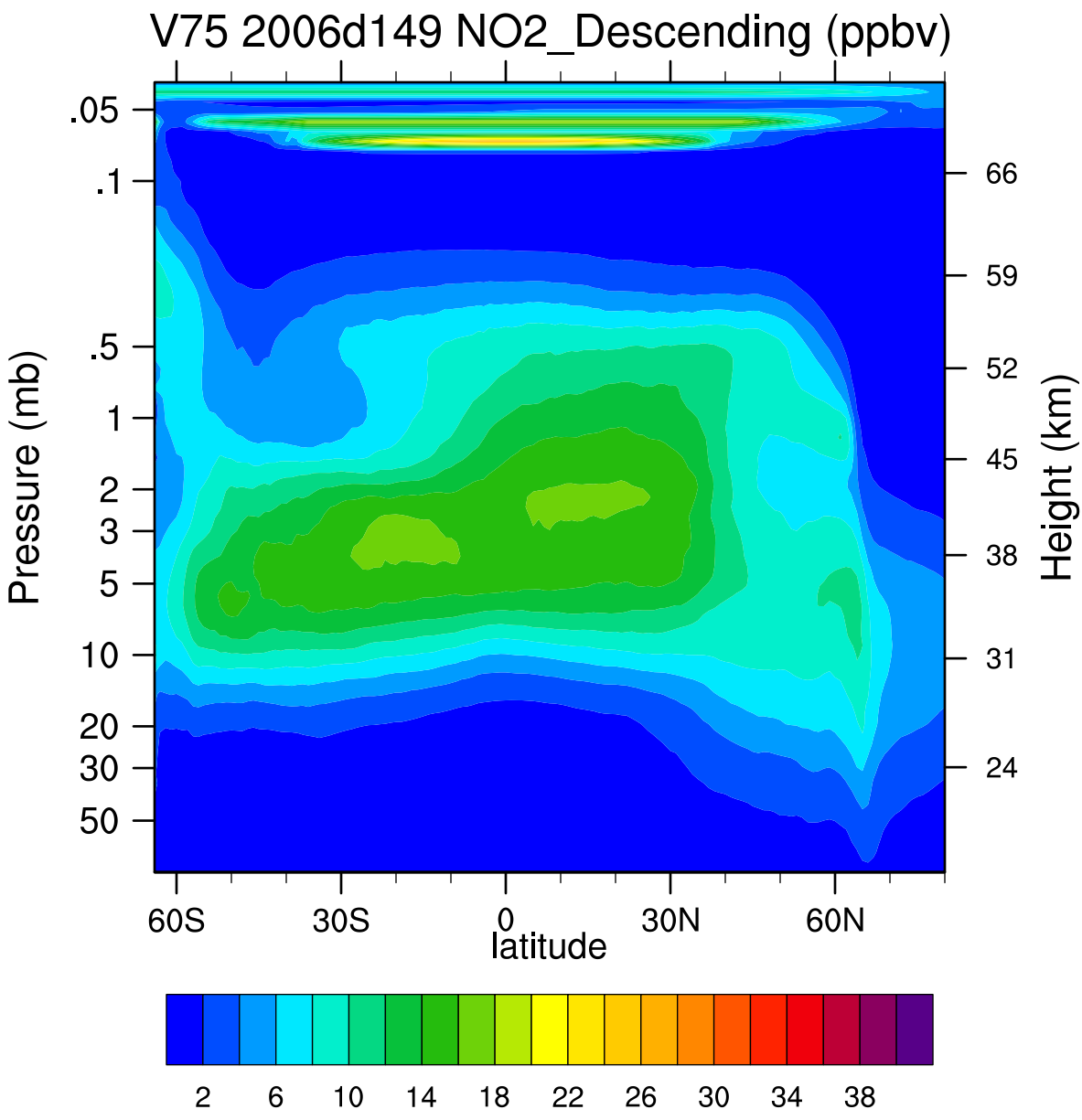
34
38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Pressure (mb)
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.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
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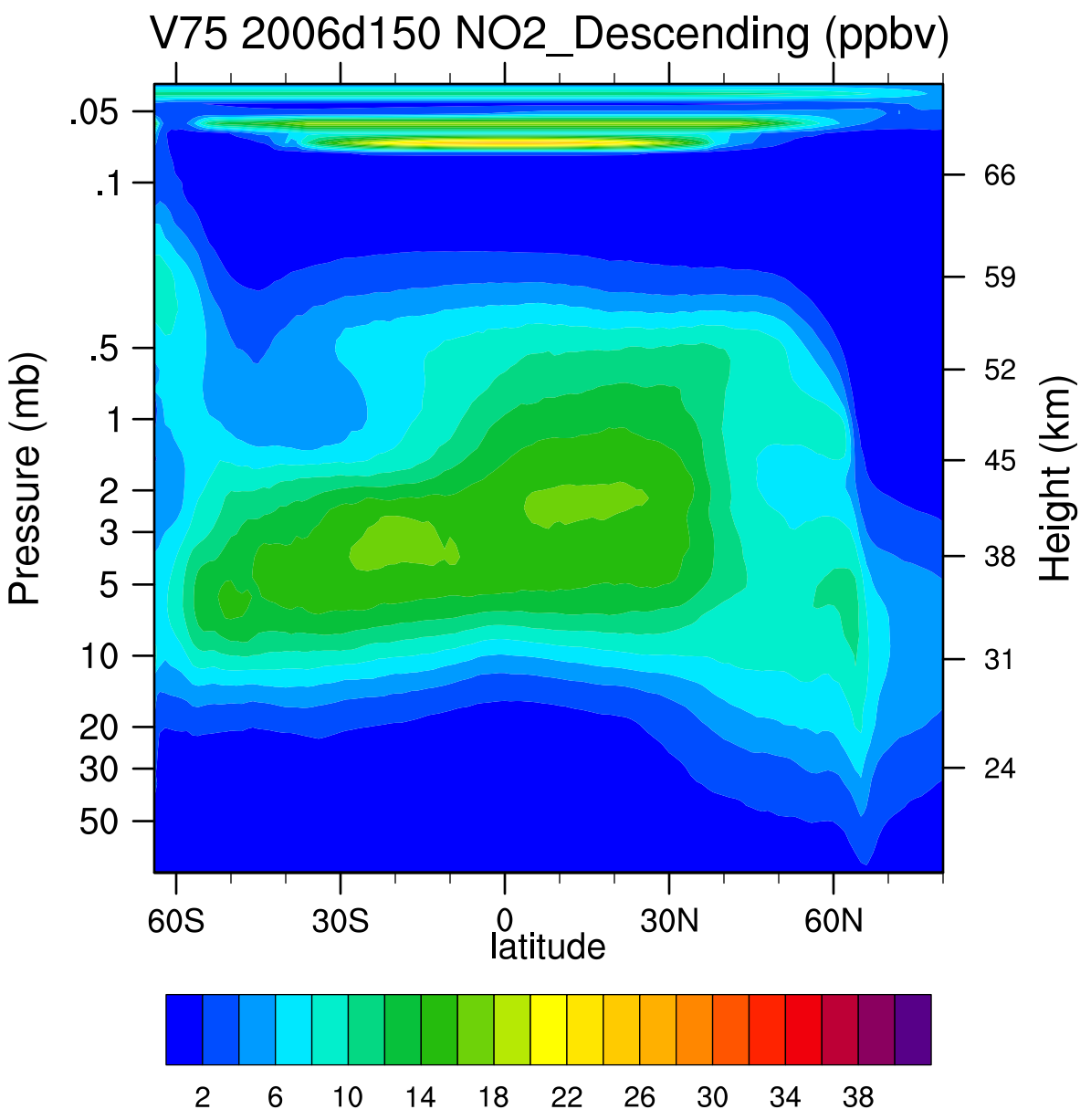
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.5
1
2
3
5
10
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30
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Pressure (mb)
66
59
52
45
38
31
24
Height (km)
60S
30S
0
30N
60N
latitude
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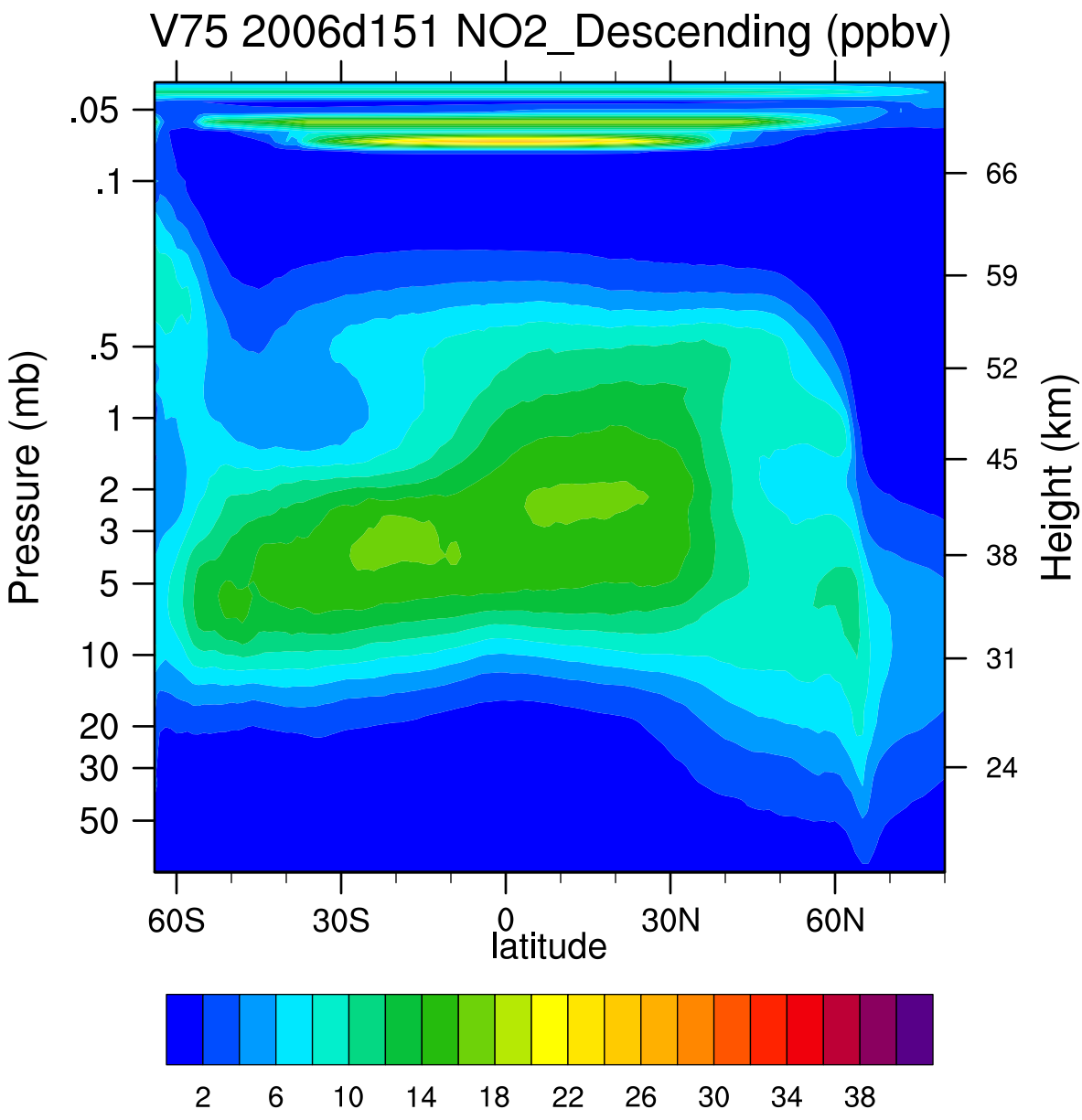
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10
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30
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Height (km)
66
59
52
45
38
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30S
0
30N
60N
latitude
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10
14
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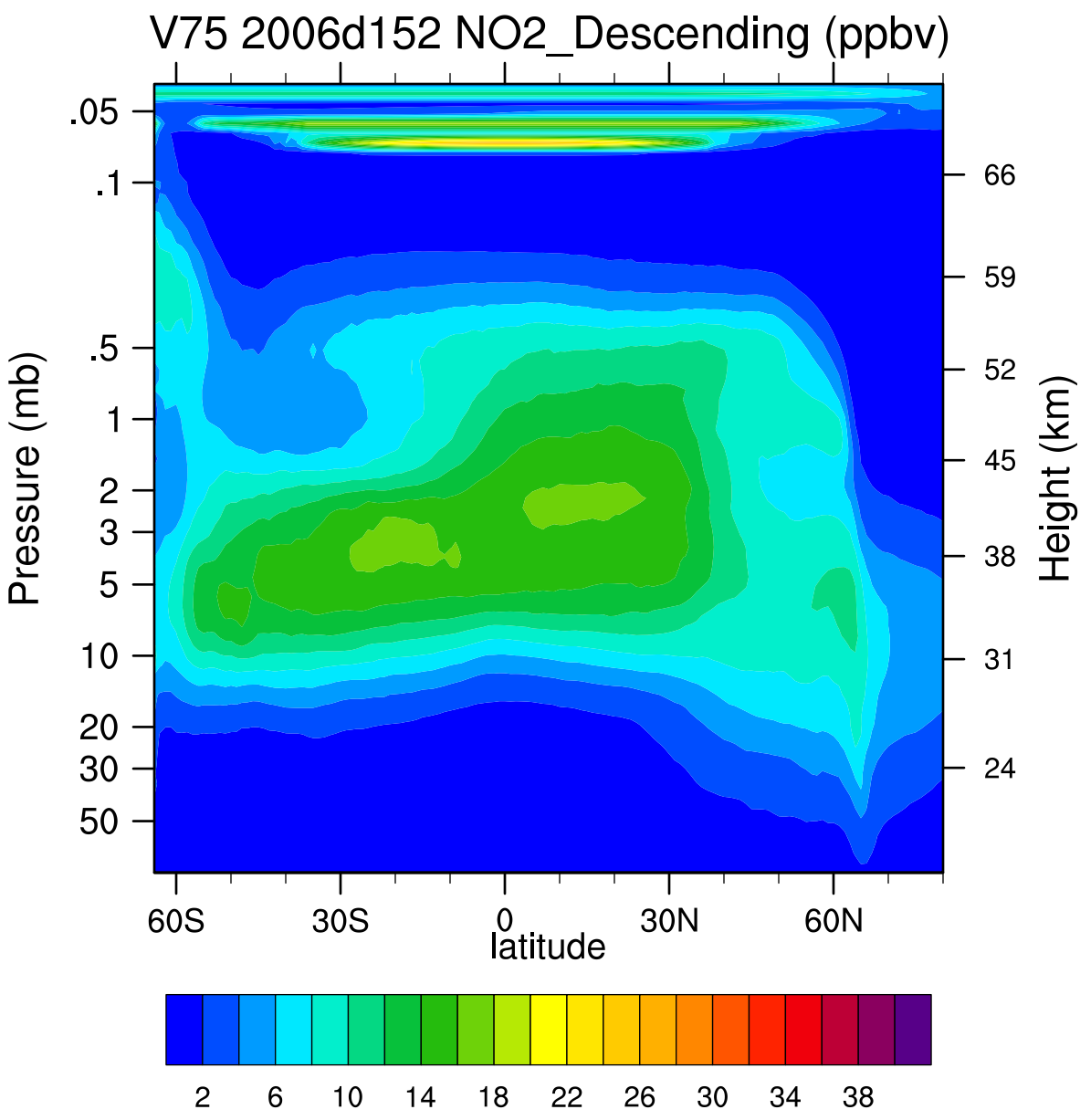
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Height (km)
66
59
52
45
38
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30S
0
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60N
latitude
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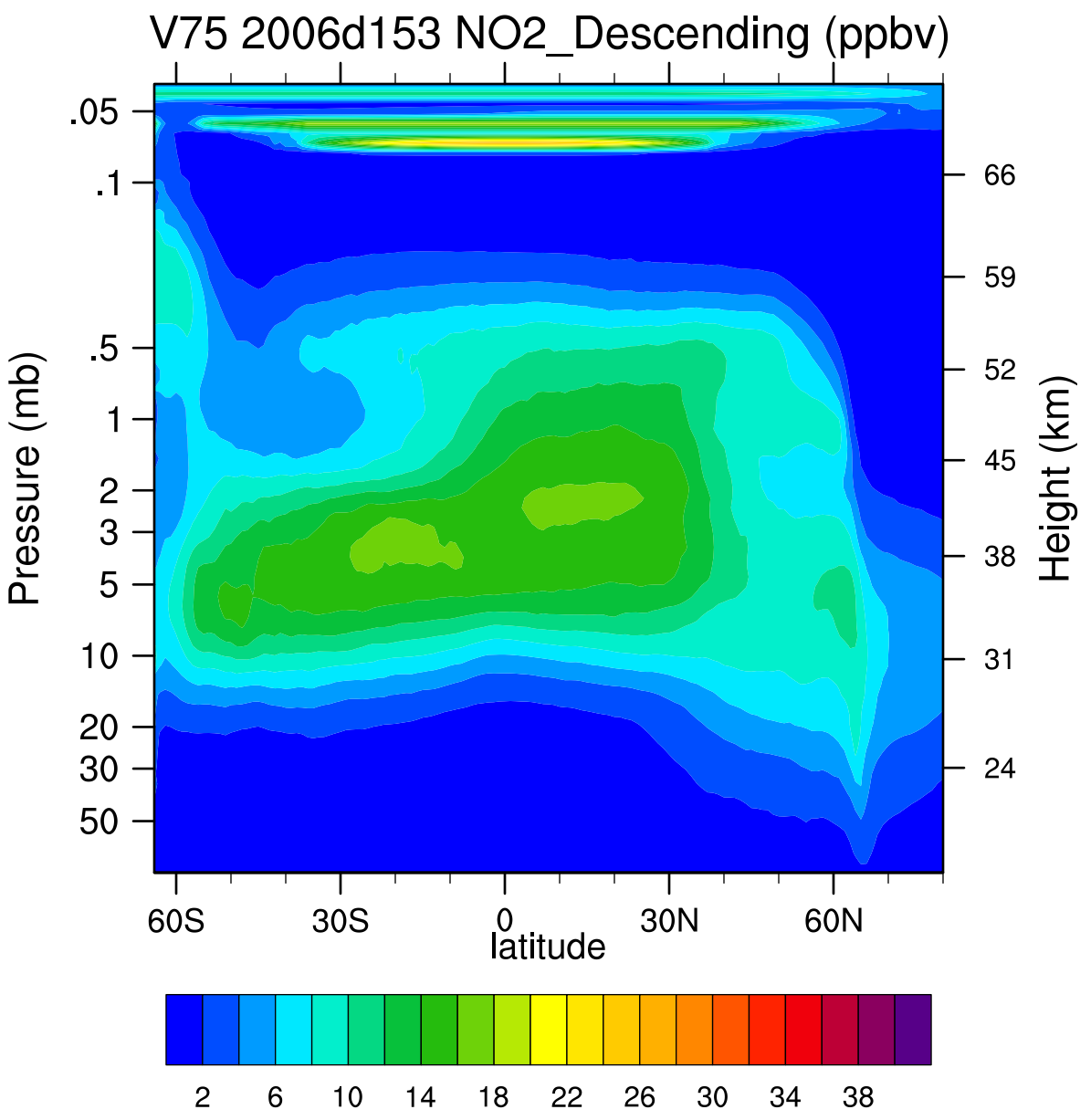
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Pressure (mb)
66
59
52
45
38
31
24
Height (km)
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30S
0
30N
60N
latitude
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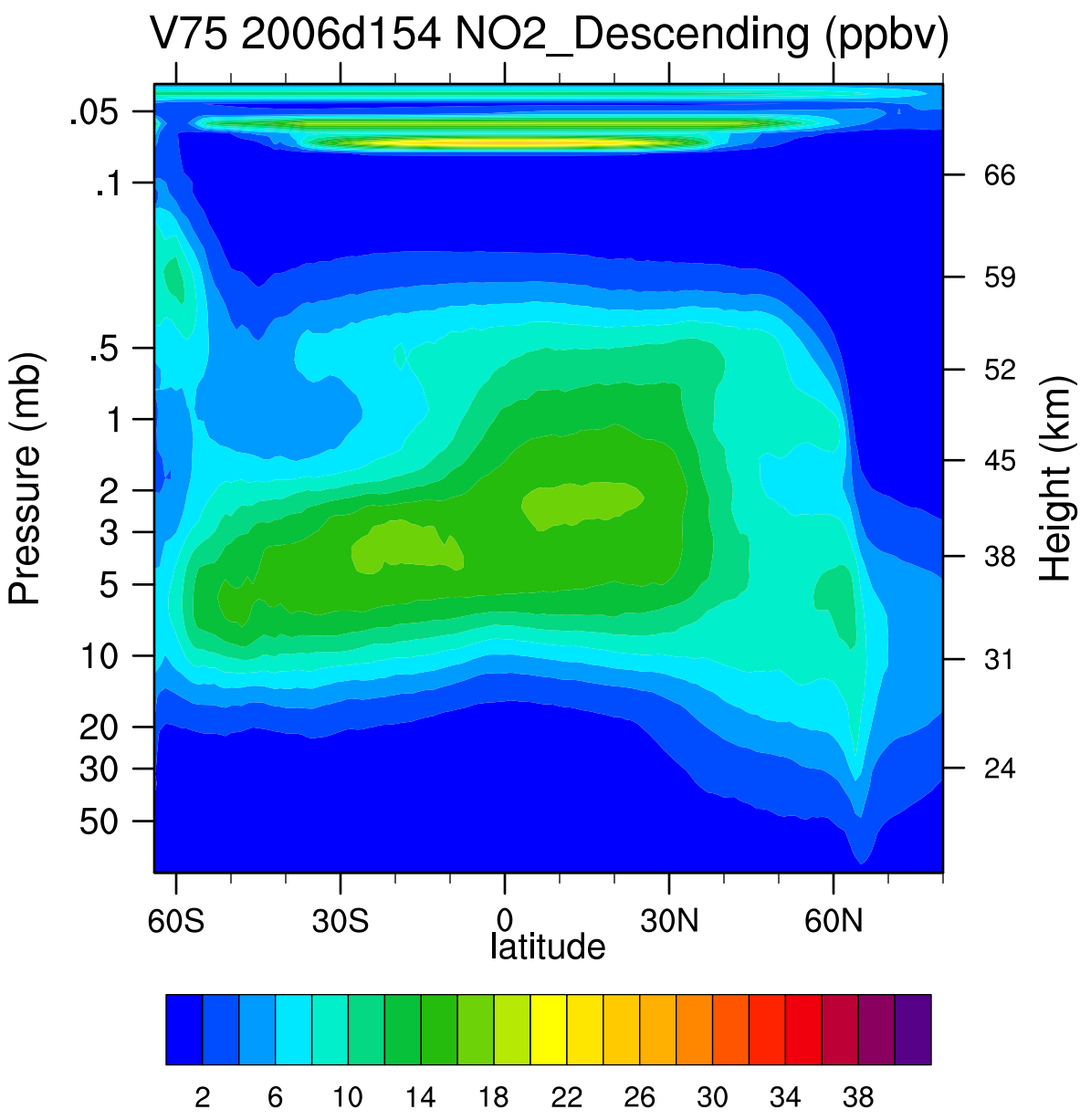
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Height (km)
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59
52
45
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30S
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60N
latitude
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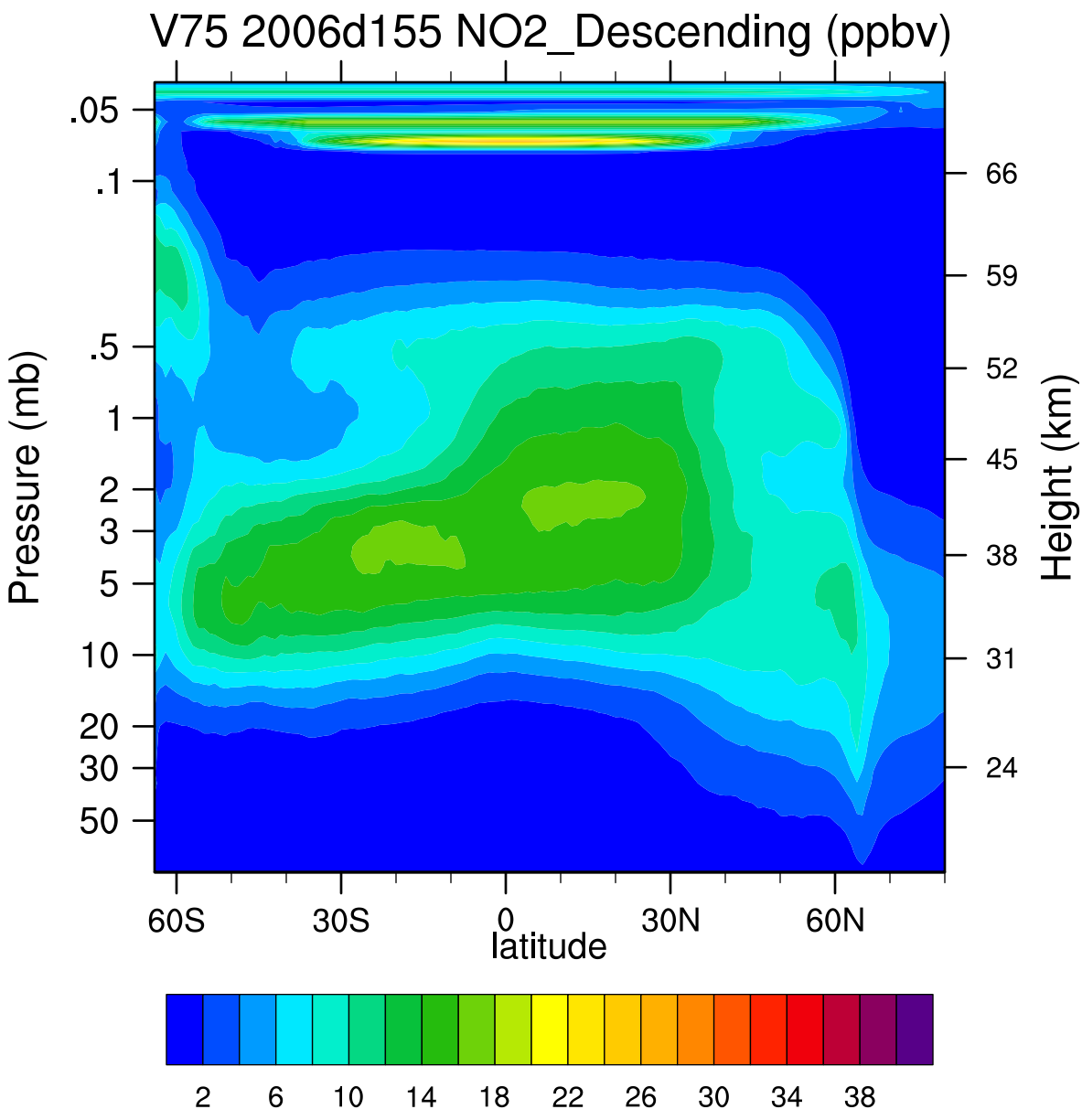
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Pressure (mb)
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Height (km)
66
59
52
45
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30S
0
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60N
latitude
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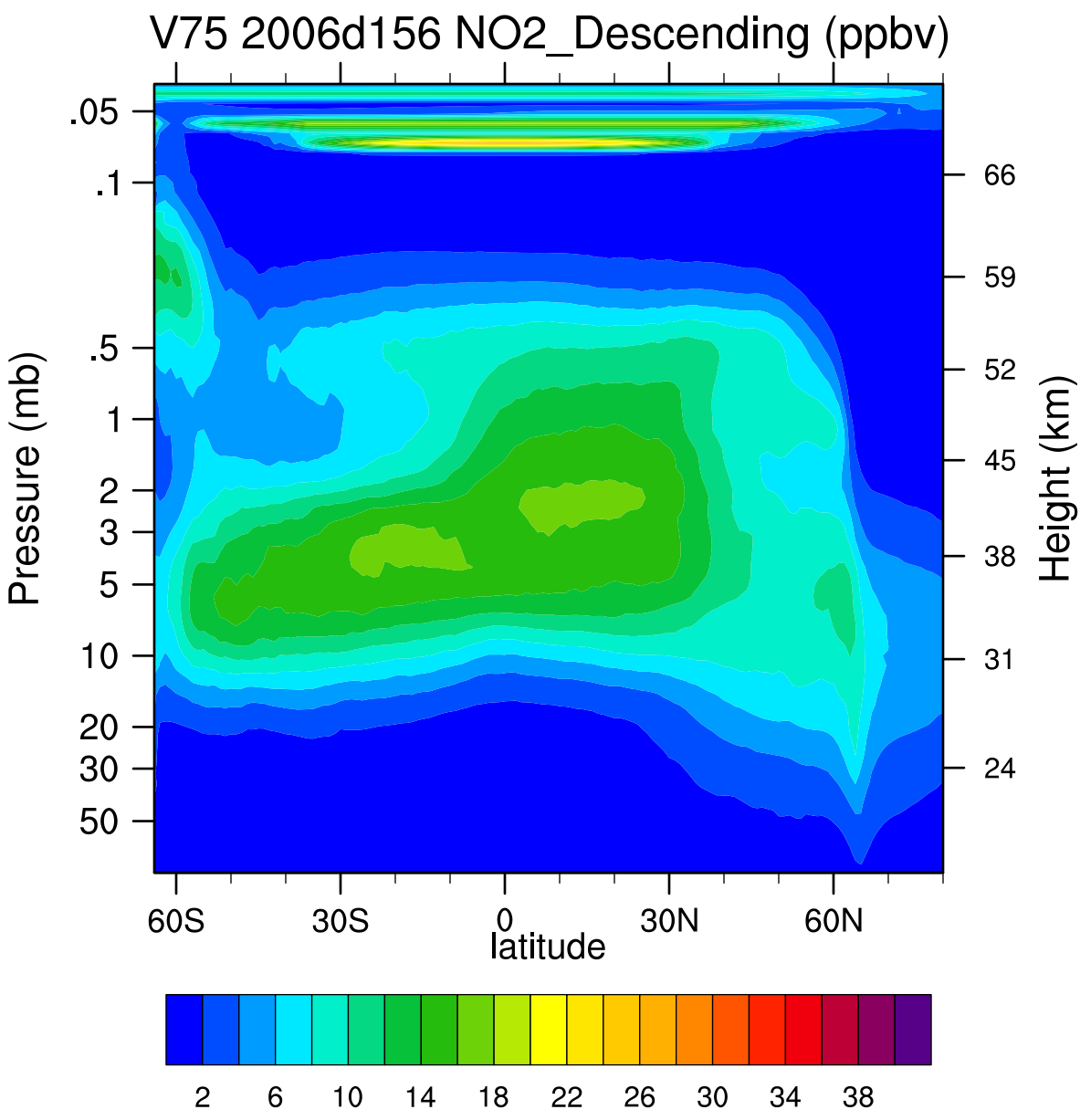
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Pressure (mb)
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Height (km)
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59
52
45
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60N
latitude
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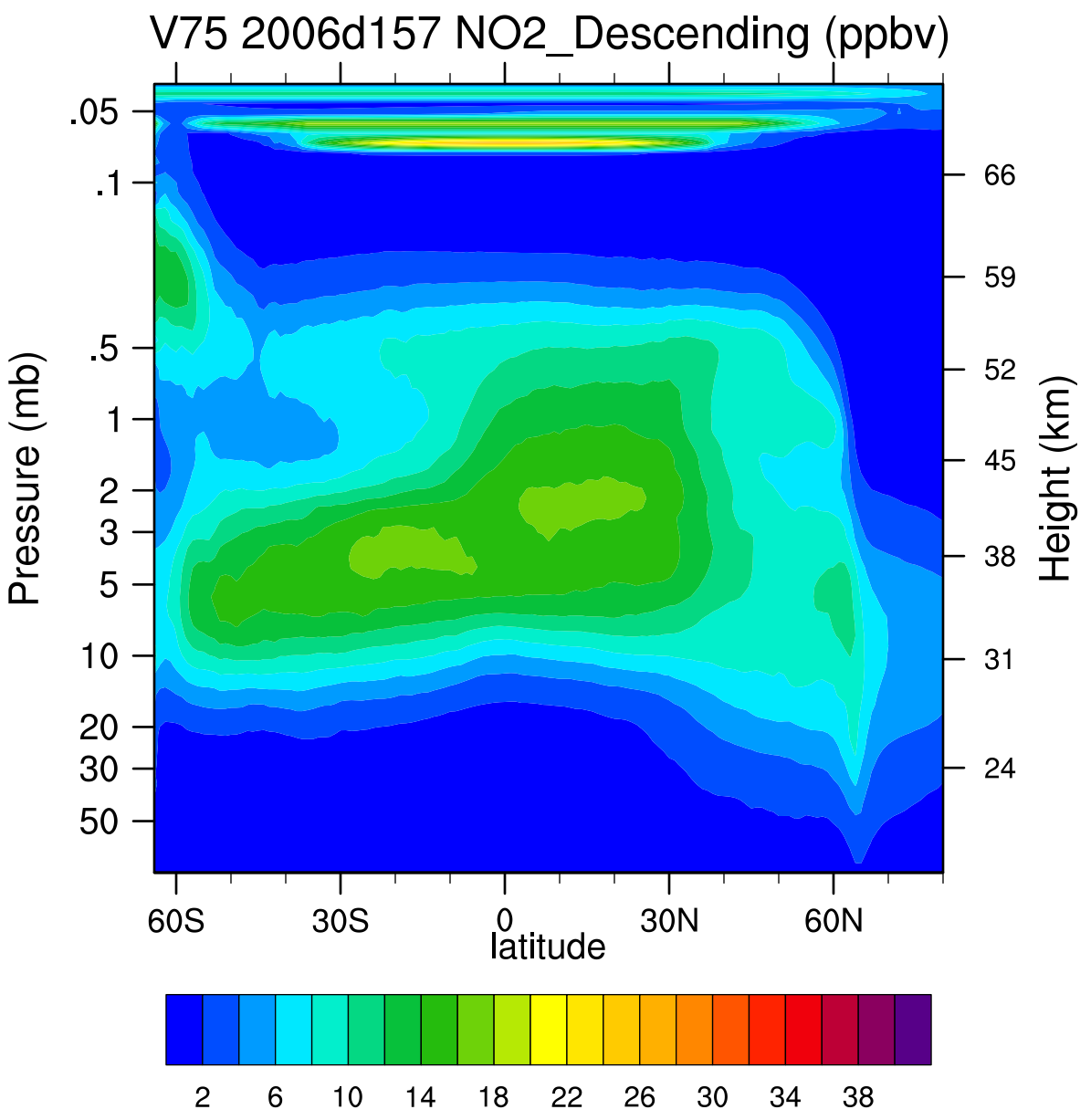
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Pressure (mb)
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59
52
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38
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Height (km)
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30N
60N
latitude
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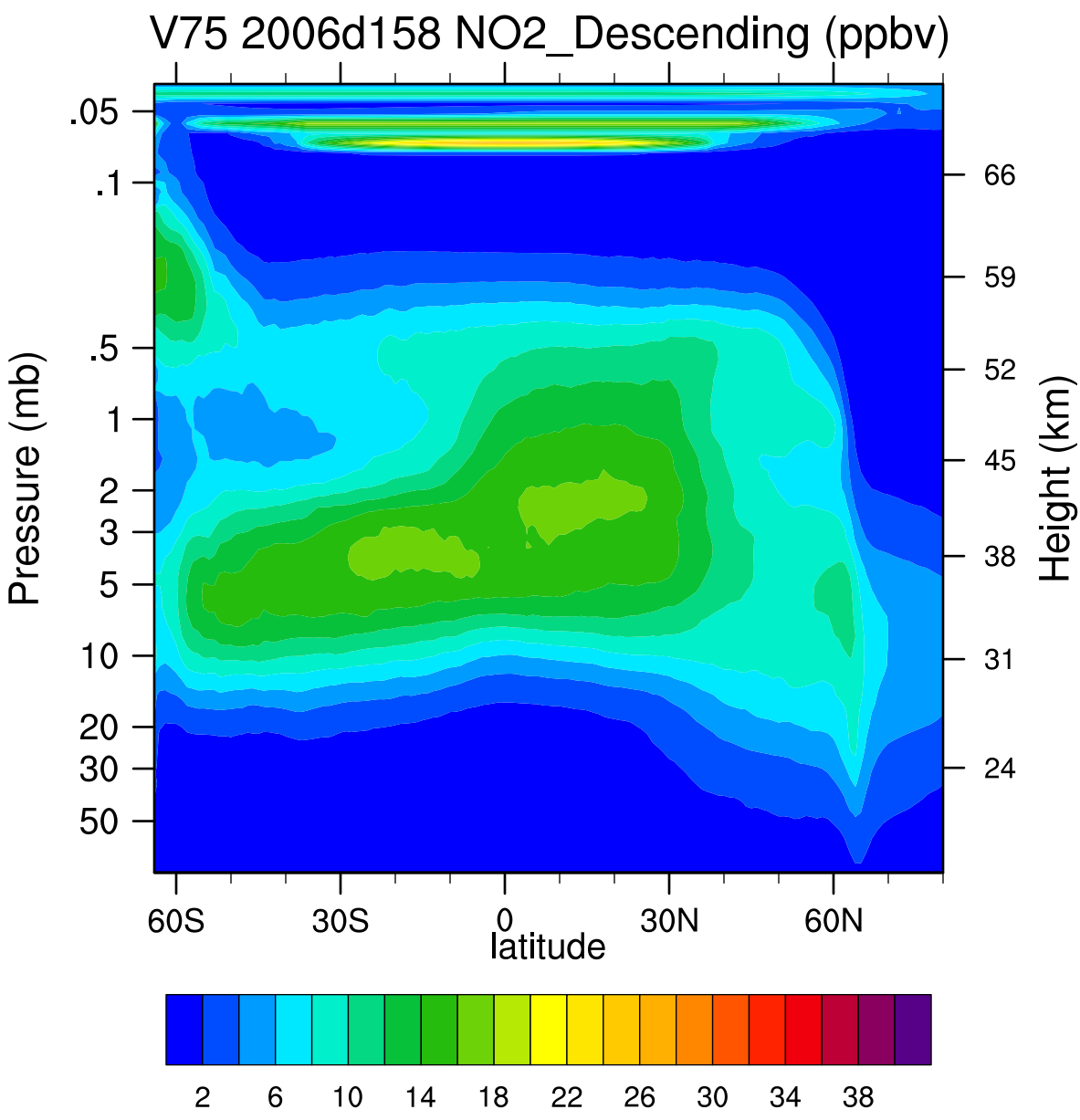
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Pressure (mb)
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Height (km)
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52
45
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30S
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30N
60N
latitude
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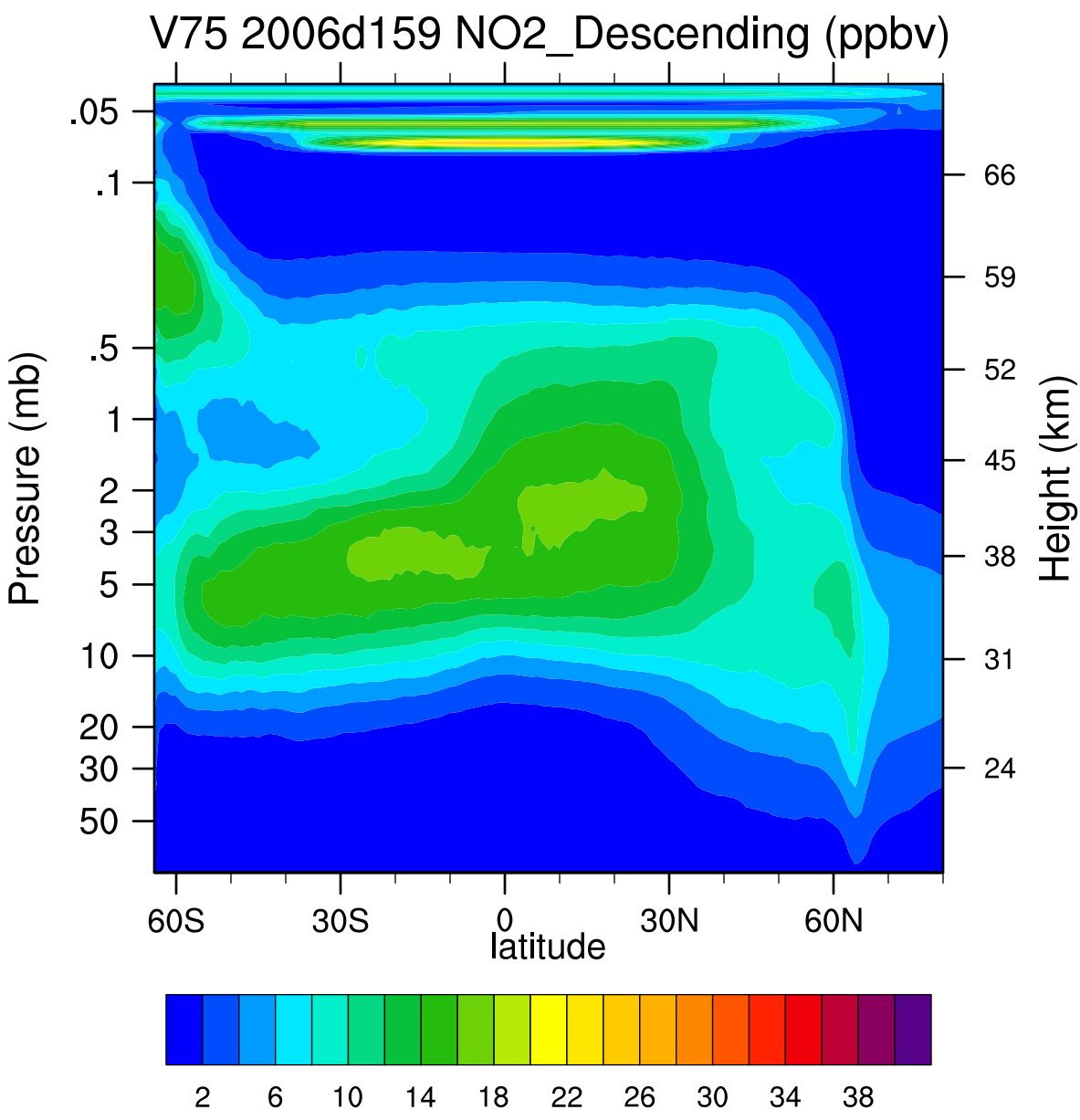
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20
30
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Pressure (mb)
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52
45
38
31
24
Height (km)
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30S
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30N
60N
latitude
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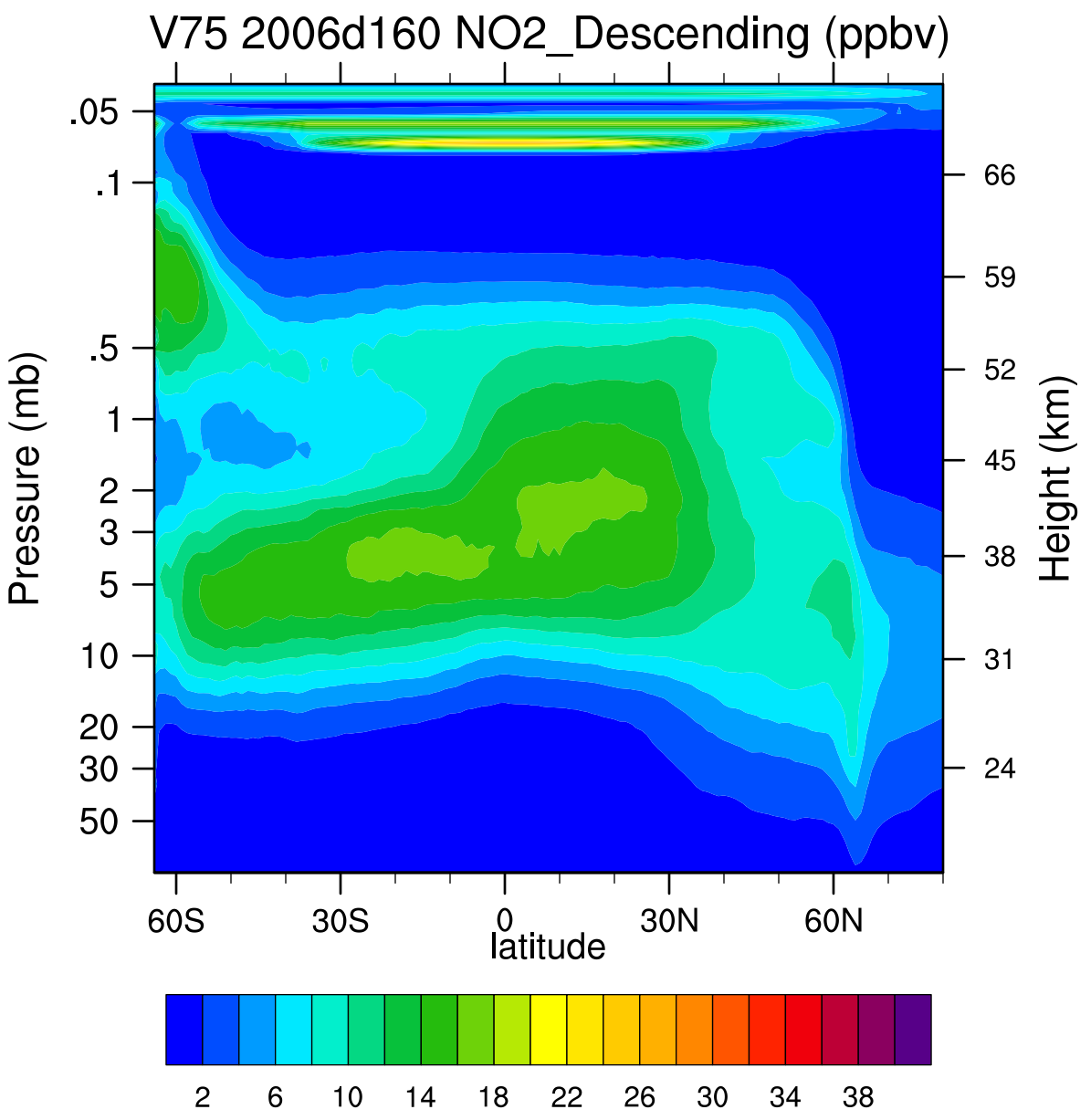
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Height (km)
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59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
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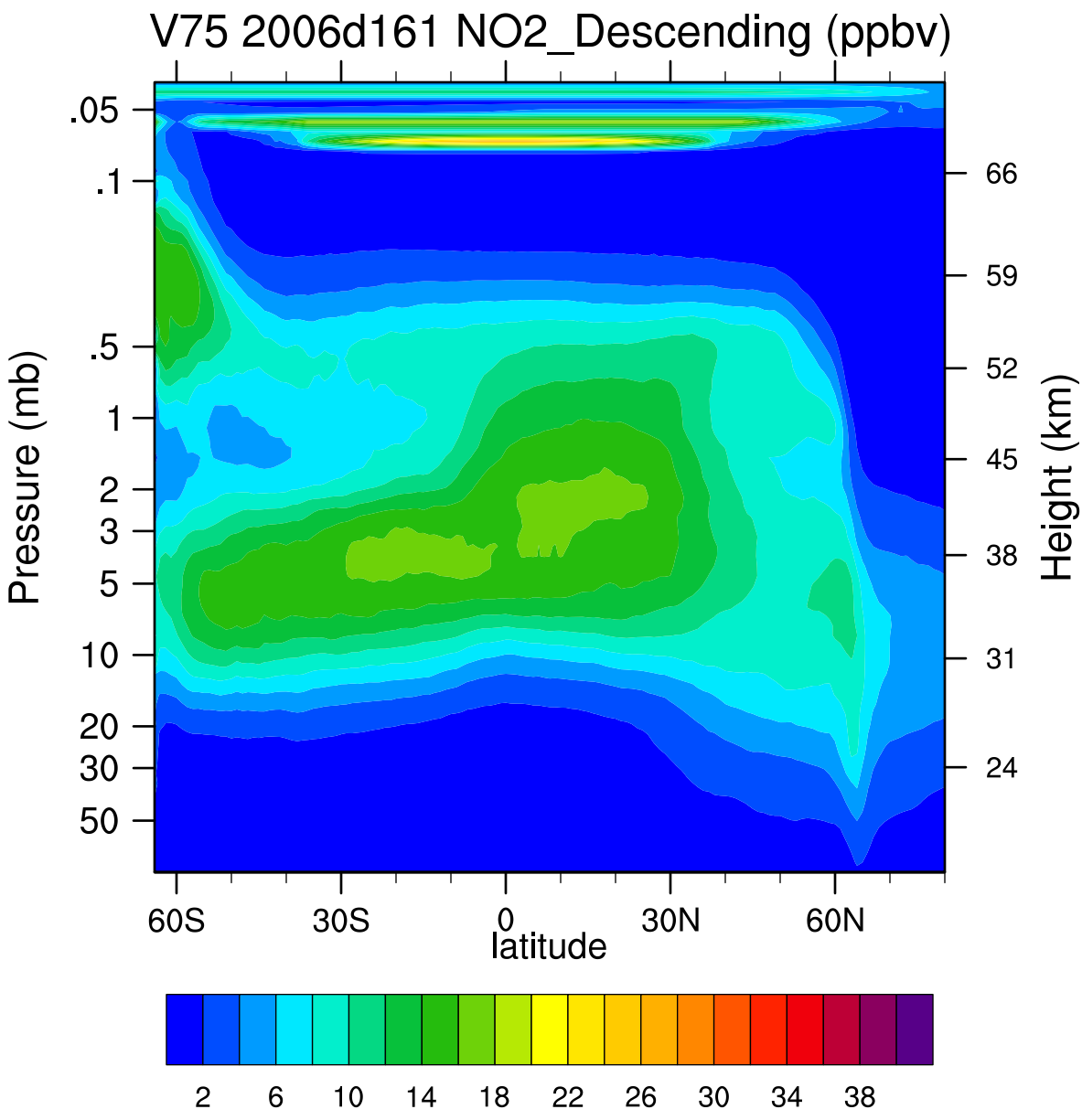
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Pressure (mb)
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10
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30
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Height (km)
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59
52
45
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24
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30S
0
30N
60N
latitude
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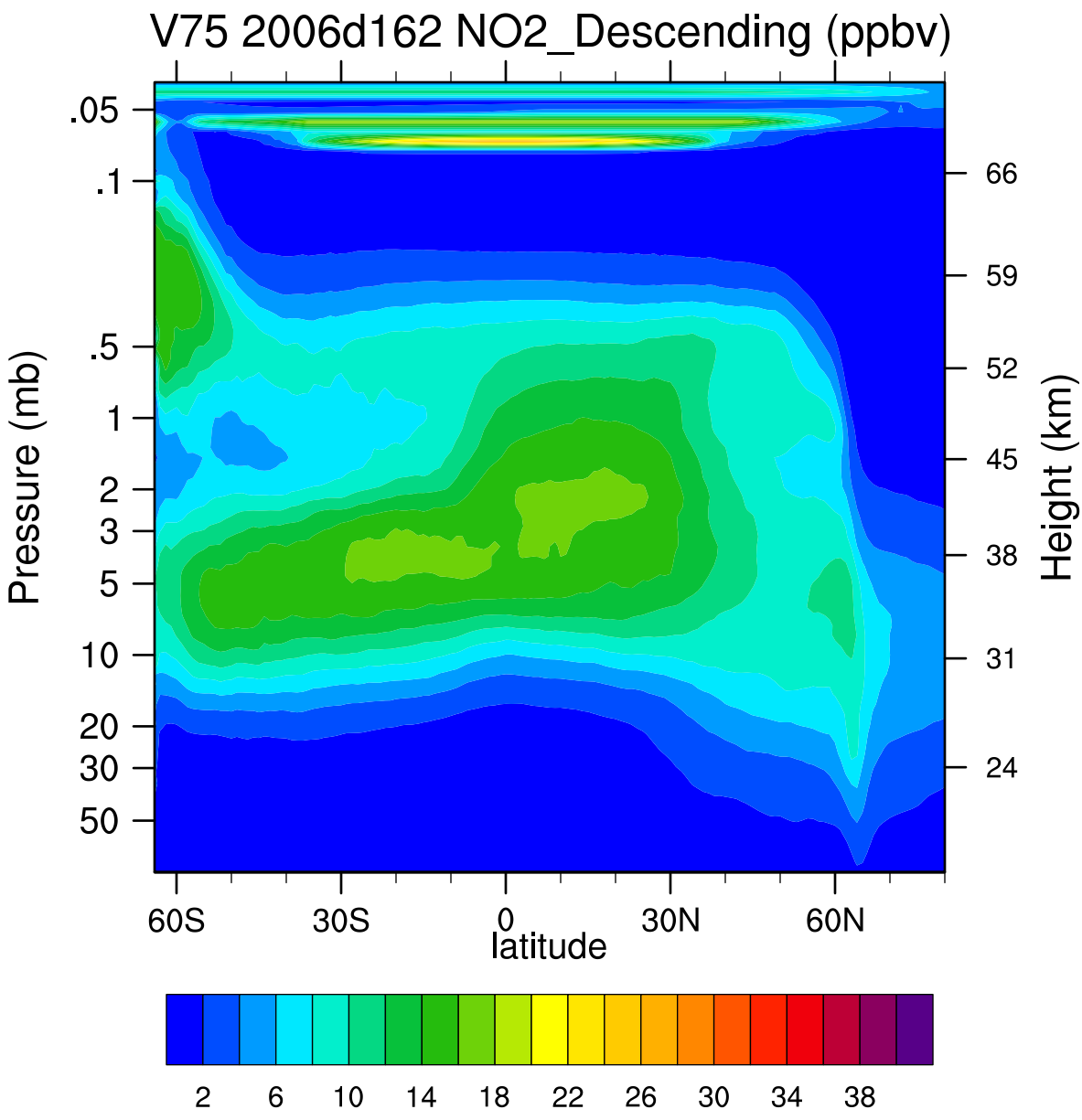
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Pressure (mb)
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Height (km)
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59
52
45
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30S
0
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60N
latitude
2
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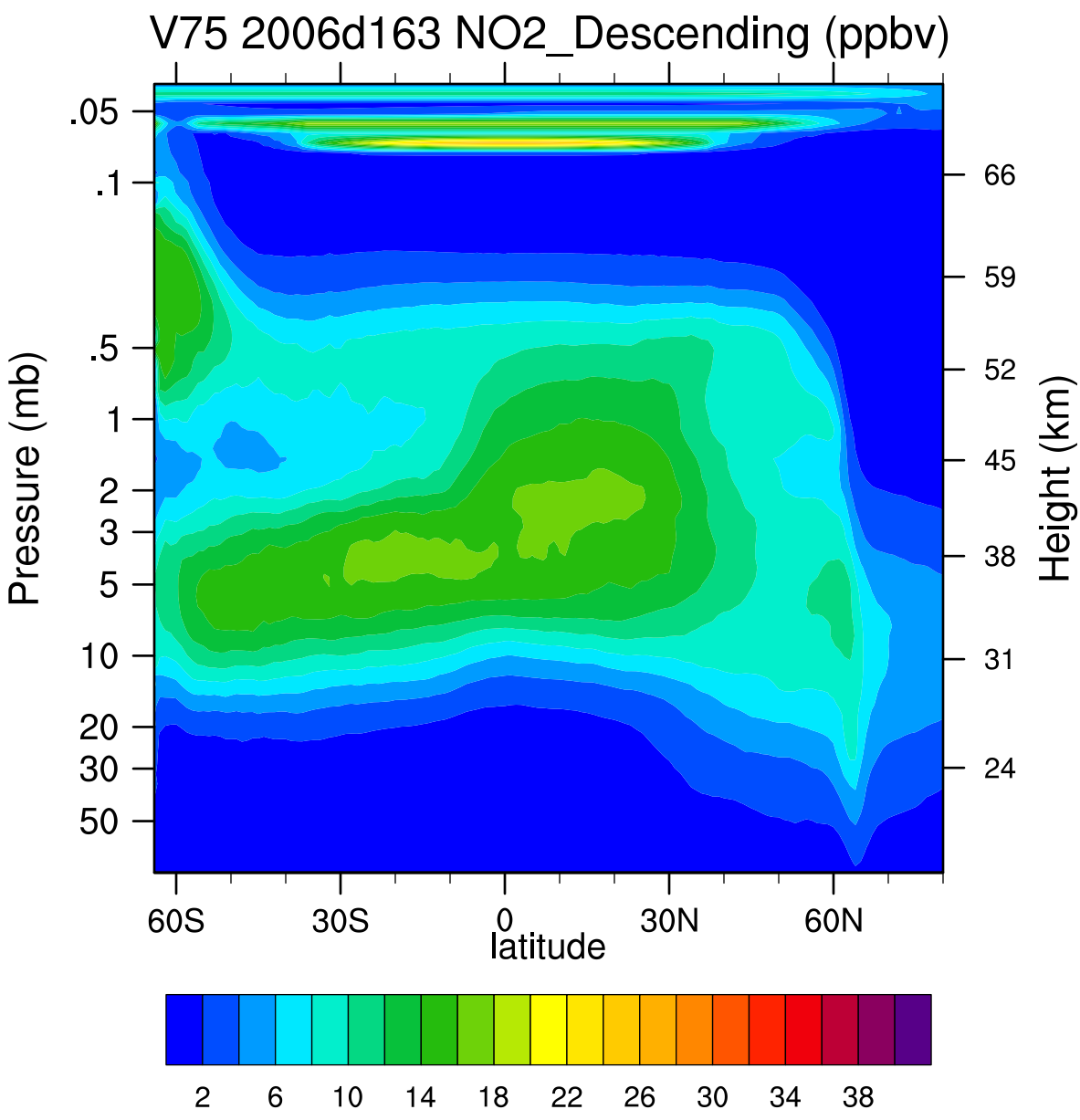
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Pressure (mb)
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59
52
45
38
31
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Height (km)
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30S
0
30N
60N
latitude
2
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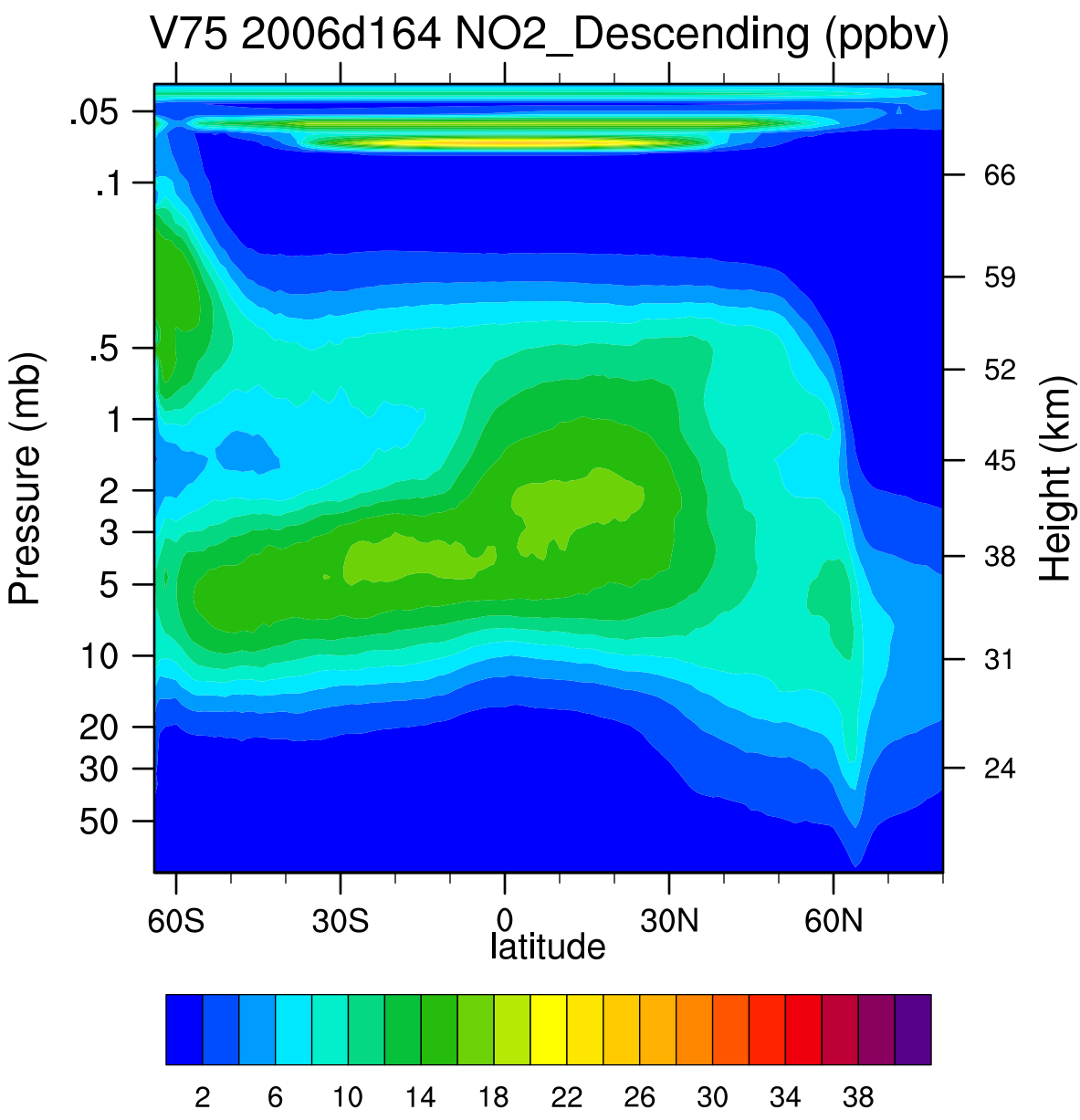
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Pressure (mb)
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59
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45
38
31
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Height (km)
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60N
latitude
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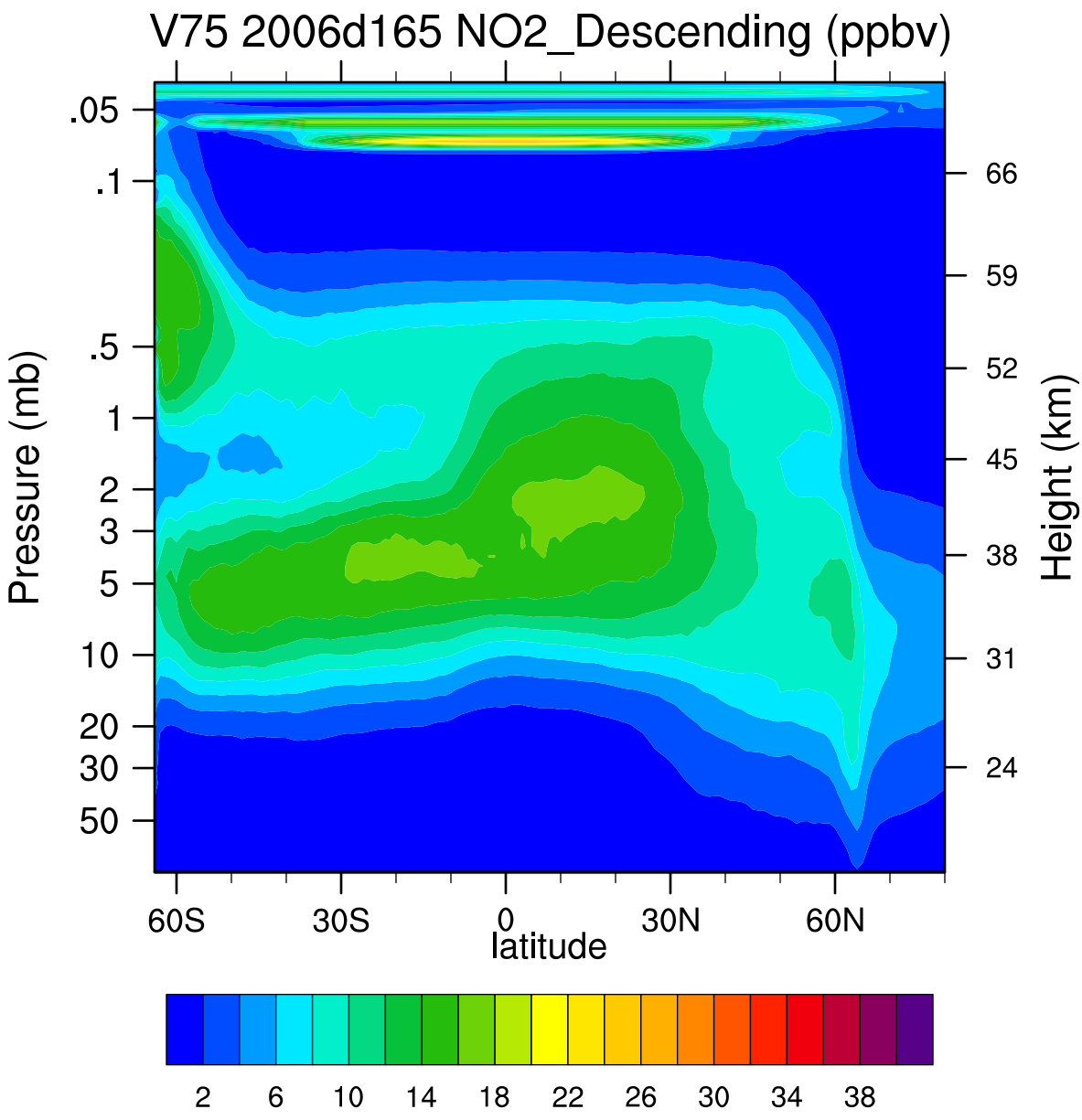
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Height (km)
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59
52
45
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31
24
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30S
0
30N
60N
latitude
2
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10
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26
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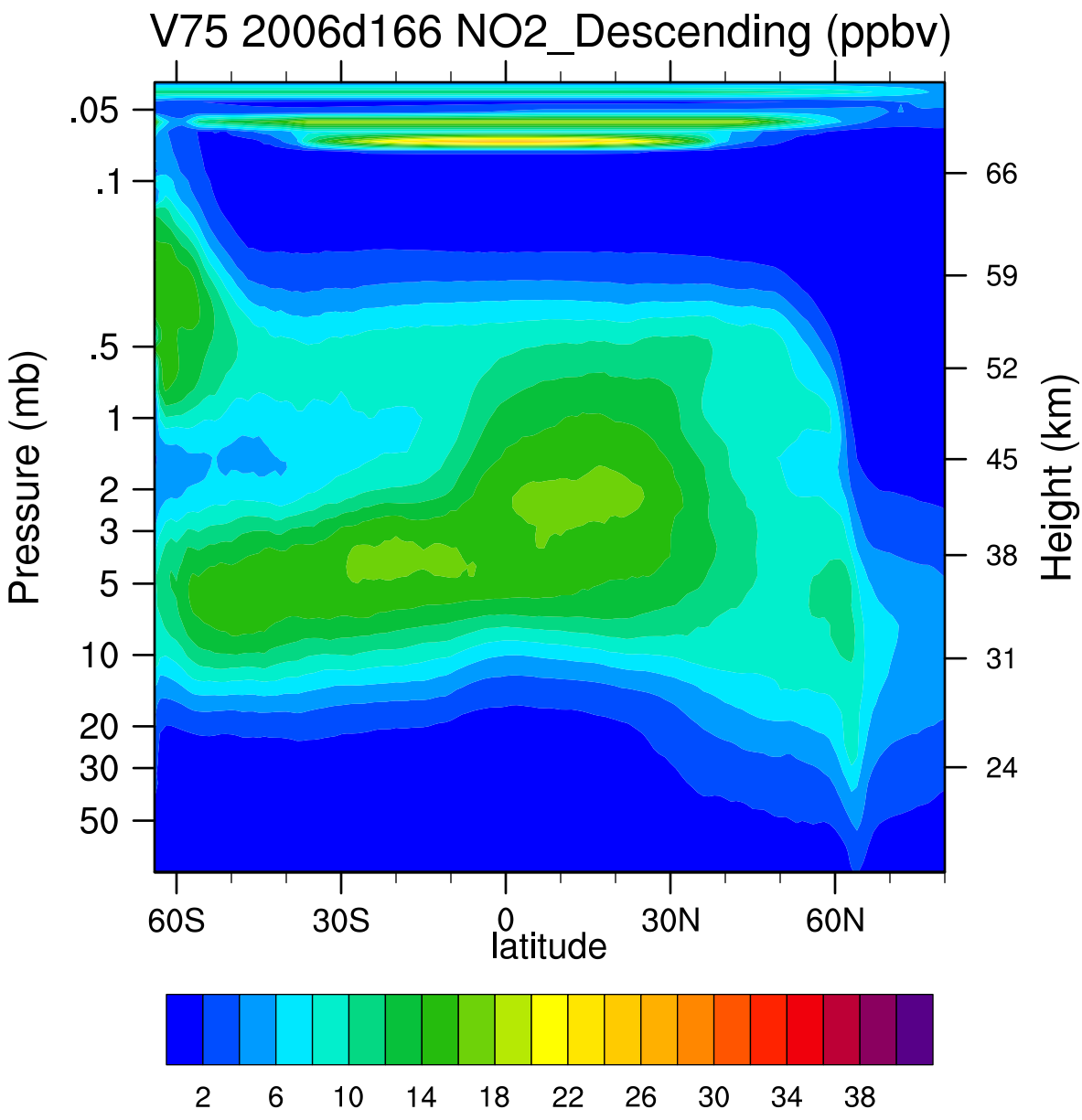
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Height (km)
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59
52
45
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0
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latitude
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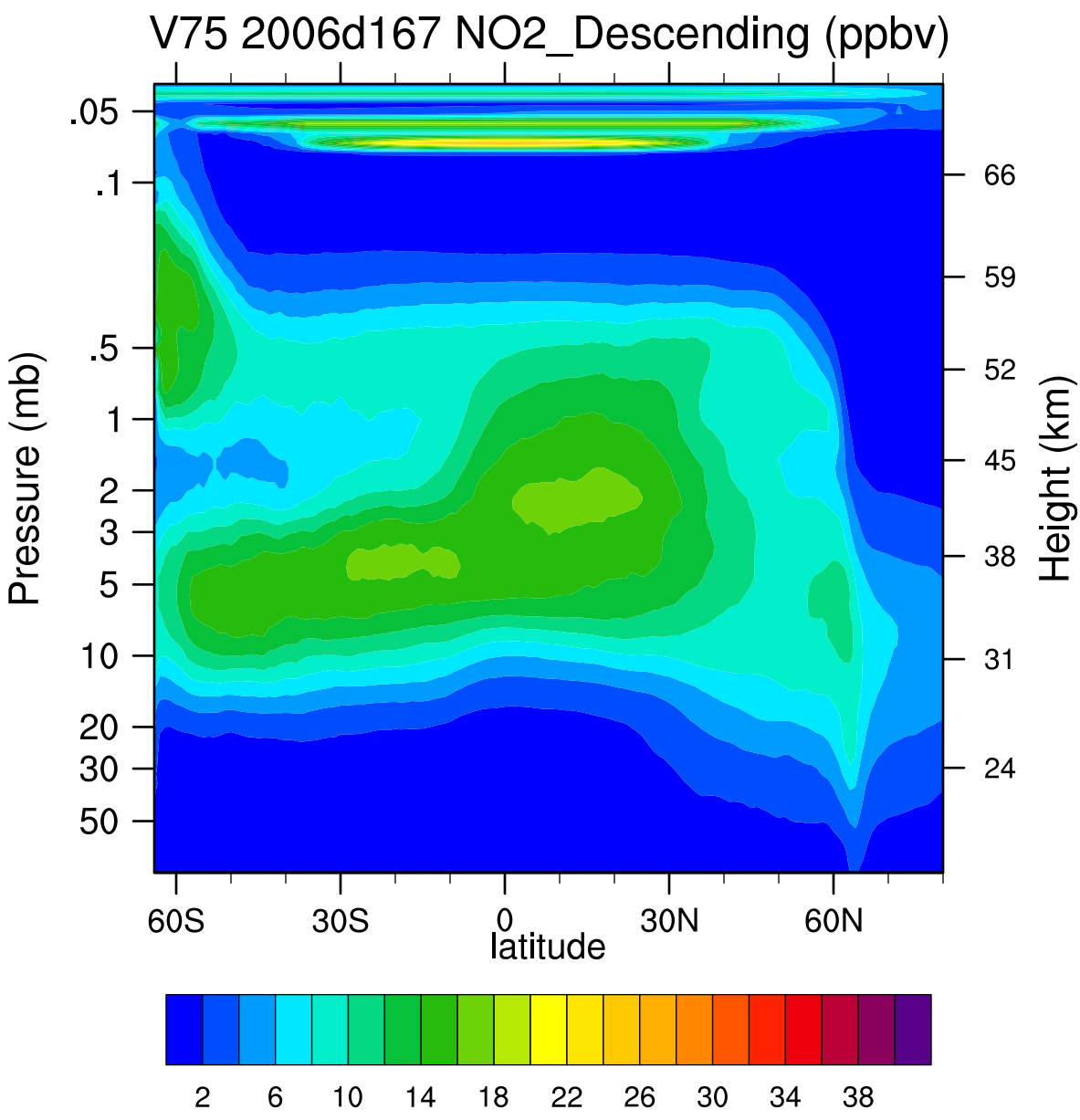
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Pressure (mb)
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38
31
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Height (km)
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60N
latitude
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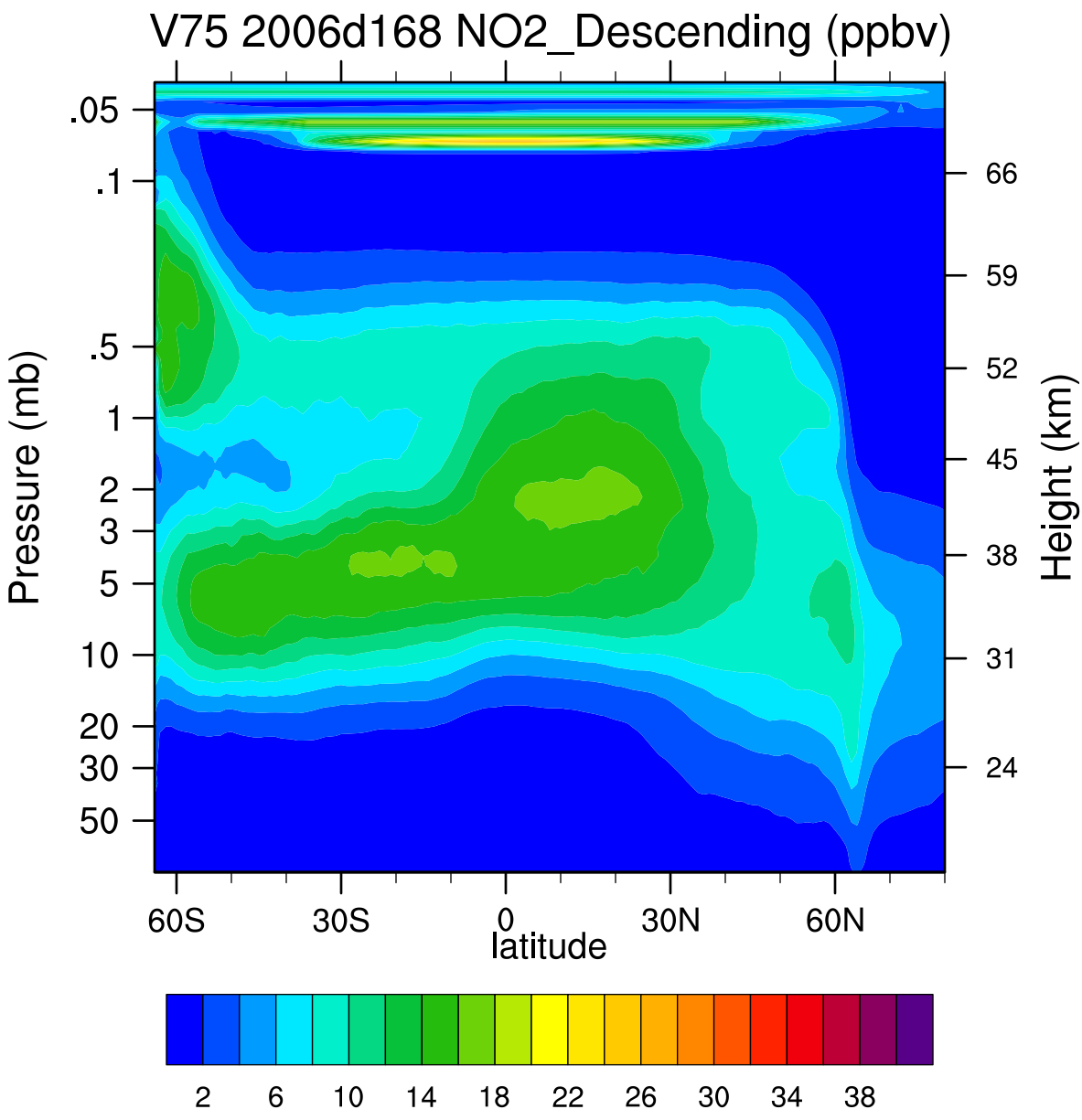
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Height (km)
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59
52
45
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30S
0
30N
60N
latitude
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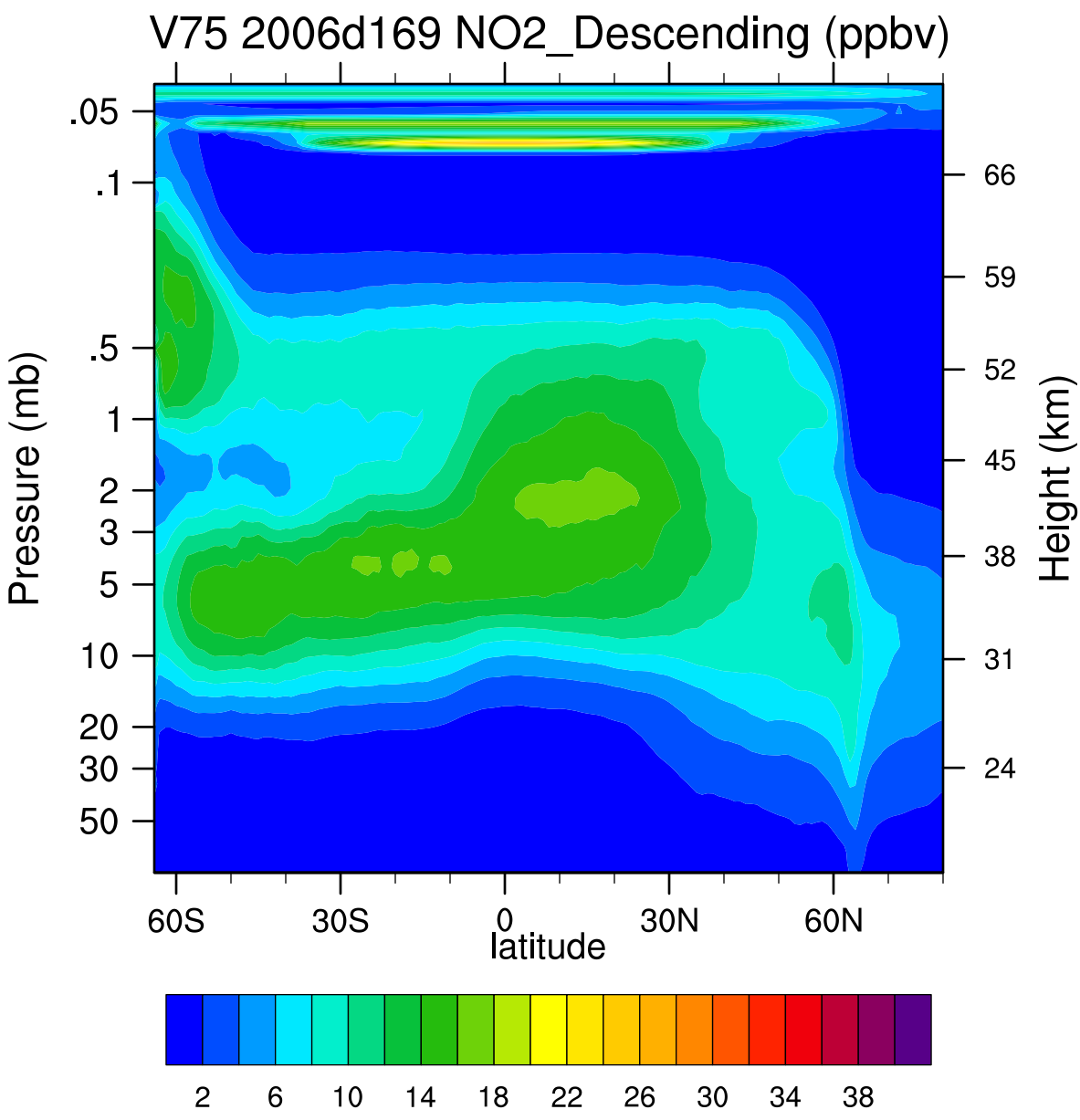
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Pressure (mb)
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45
38
31
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Height (km)
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30S
0
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60N
latitude
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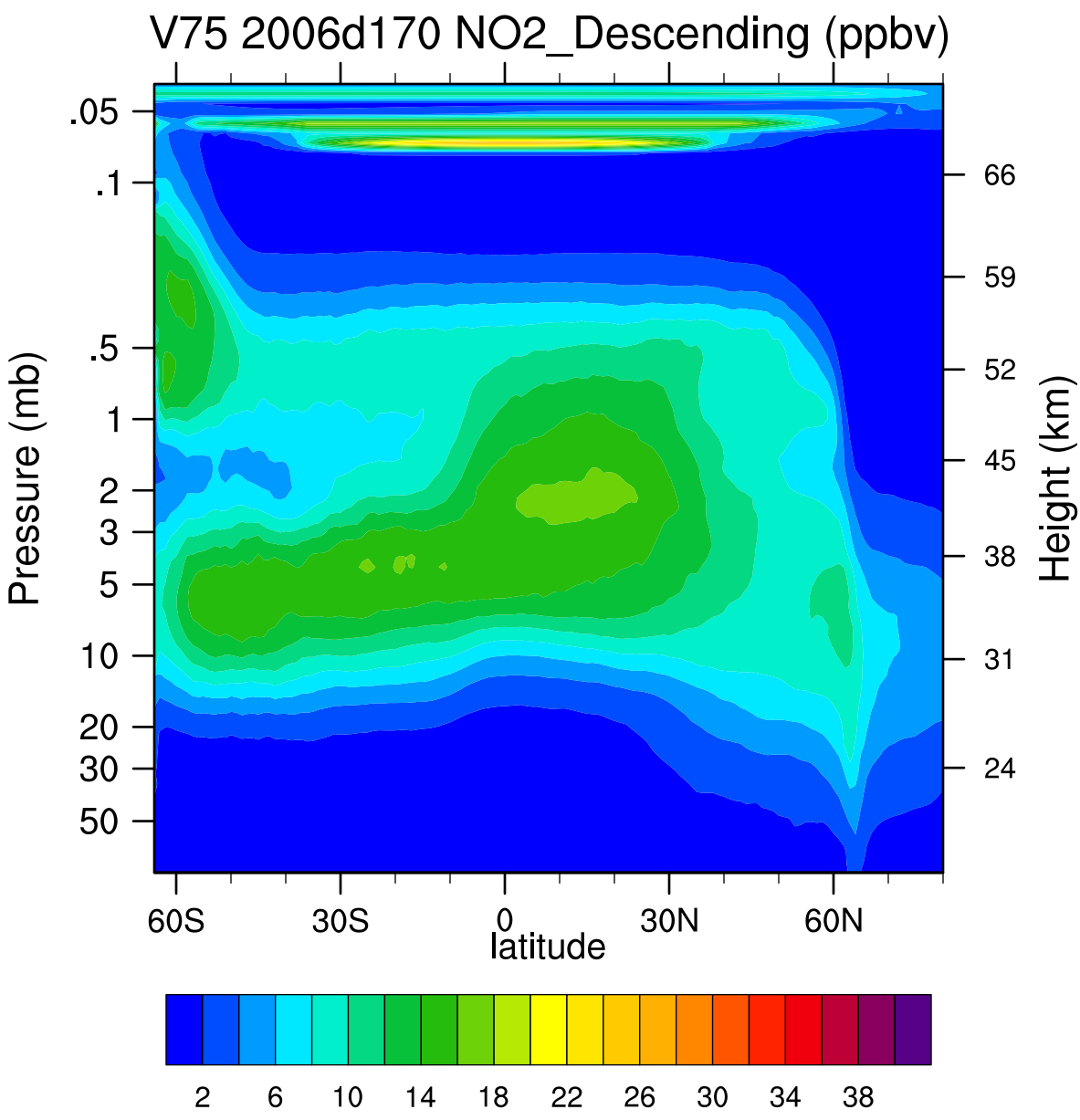
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Pressure (mb)
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38
31
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Height (km)
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30S
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60N
latitude
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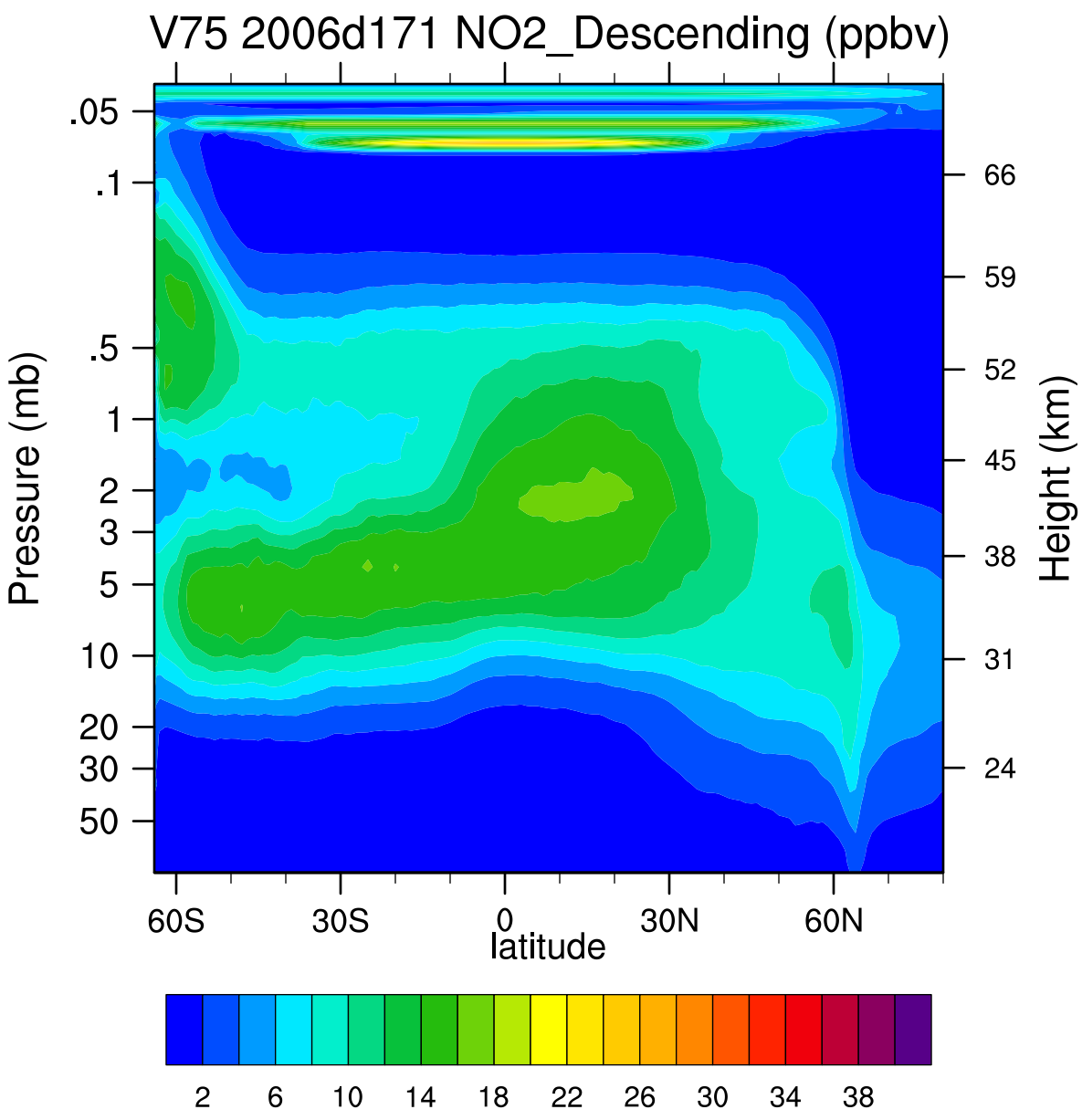
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Pressure (mb)
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52
45
38
31
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Height (km)
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30S
0
30N
60N
latitude
2
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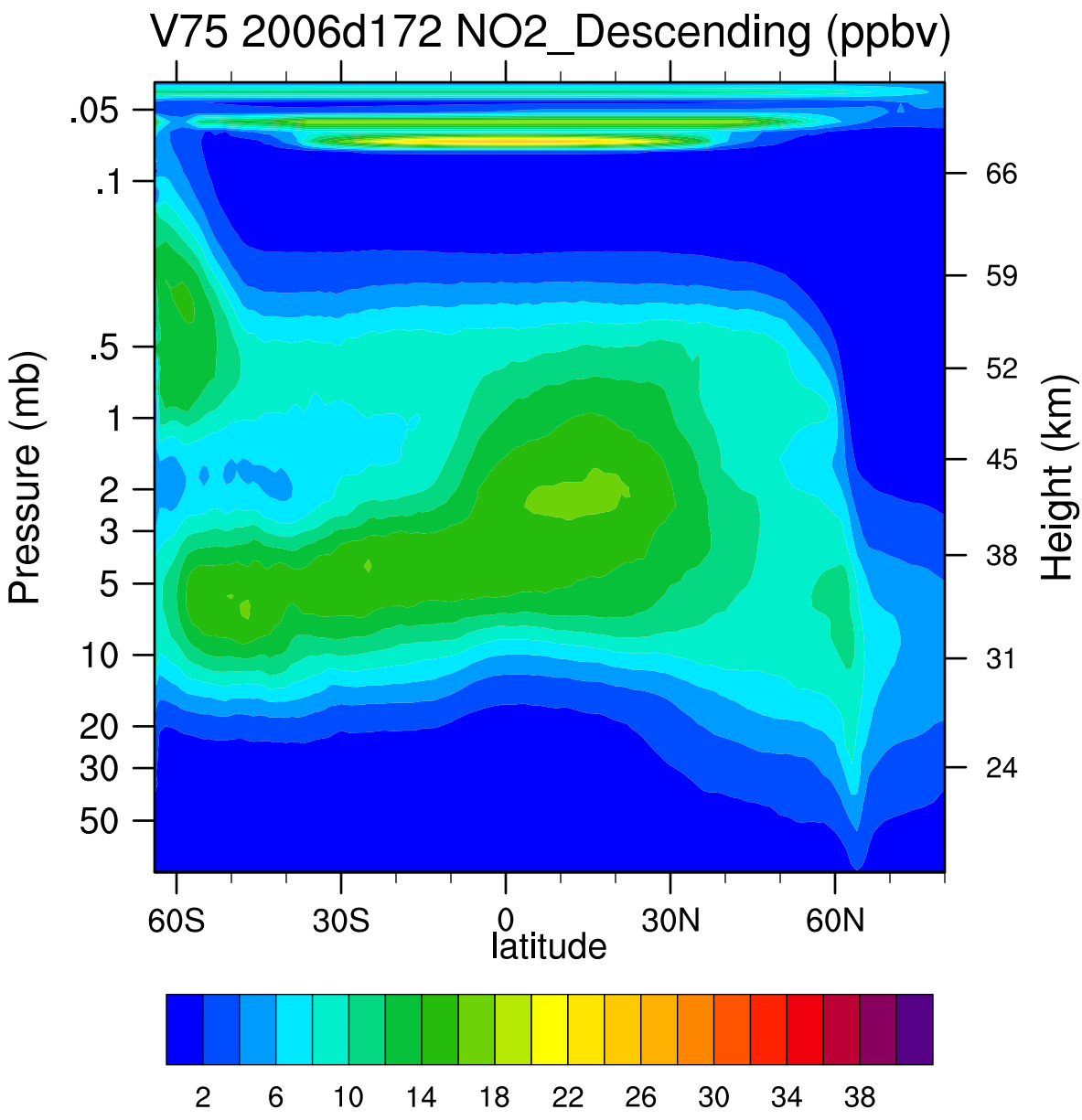
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Pressure (mb)
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38
31
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Height (km)
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30S
0
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60N
latitude
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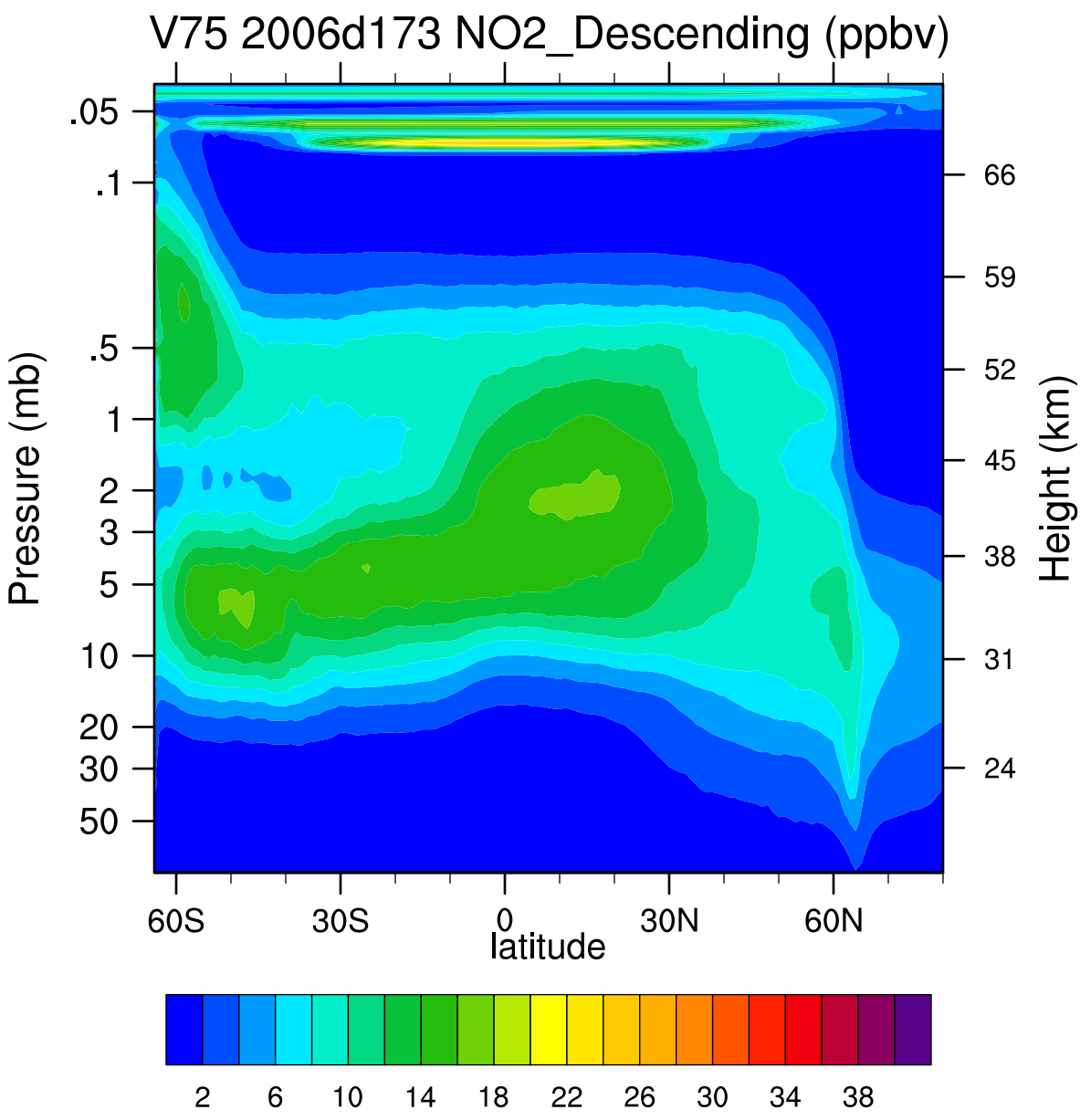
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Pressure (mb)
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38
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Height (km)
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latitude
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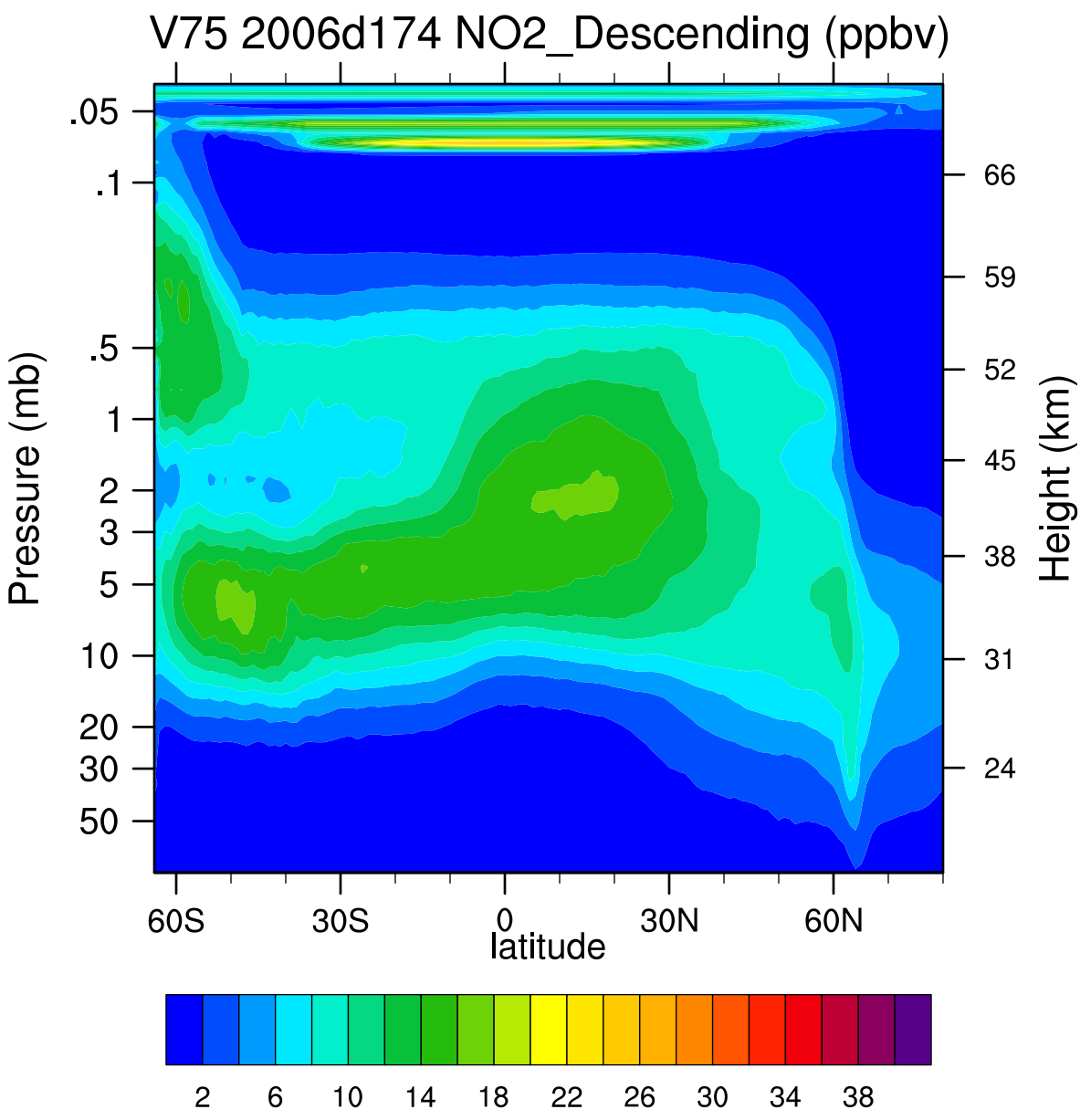
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Pressure (mb)
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38
31
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Height (km)
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60N
latitude
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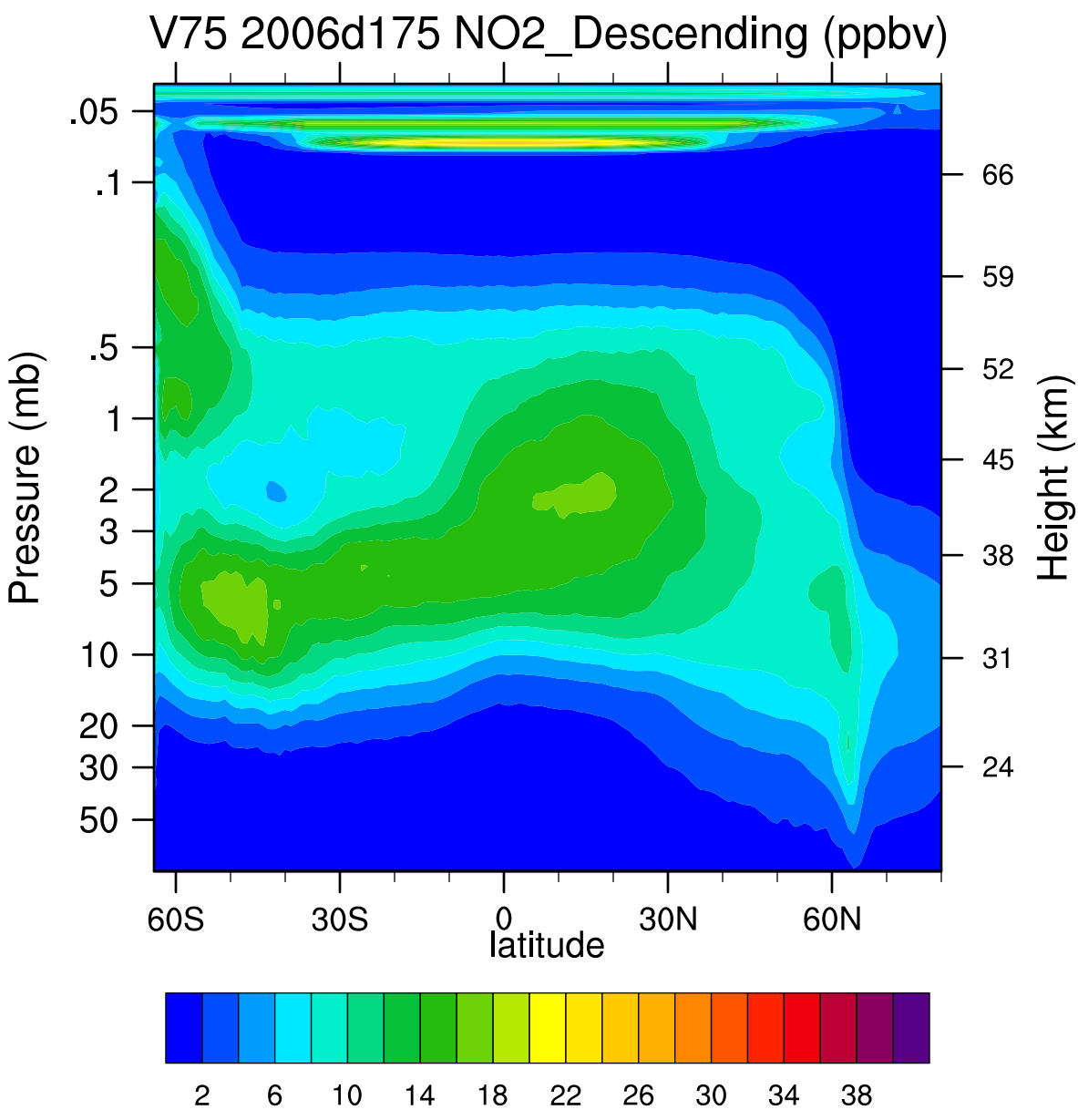
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Pressure (mb)
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Height (km)
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59
52
45
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latitude
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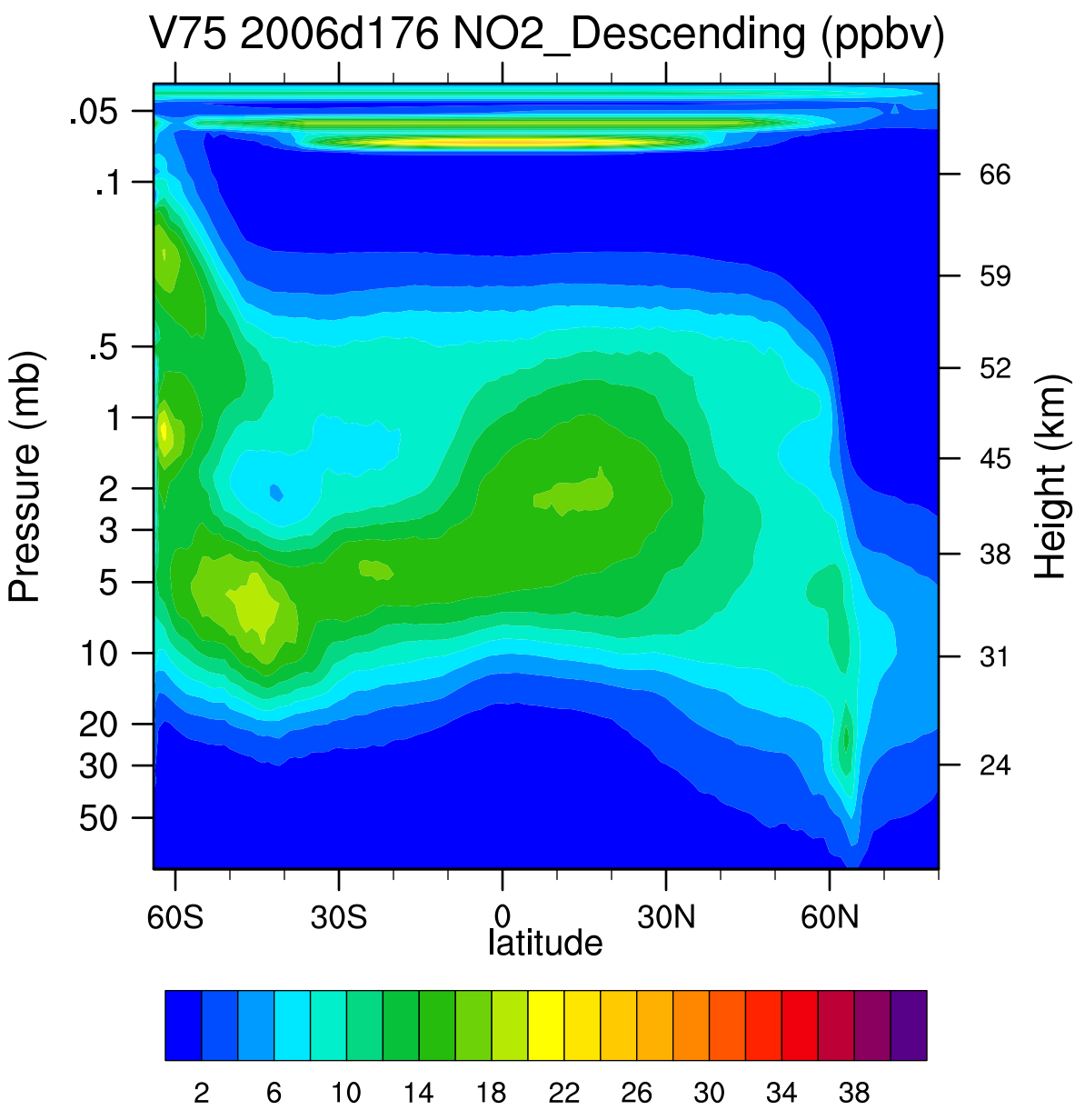
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Height (km)
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59
52
45
38
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24
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30S
0
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latitude
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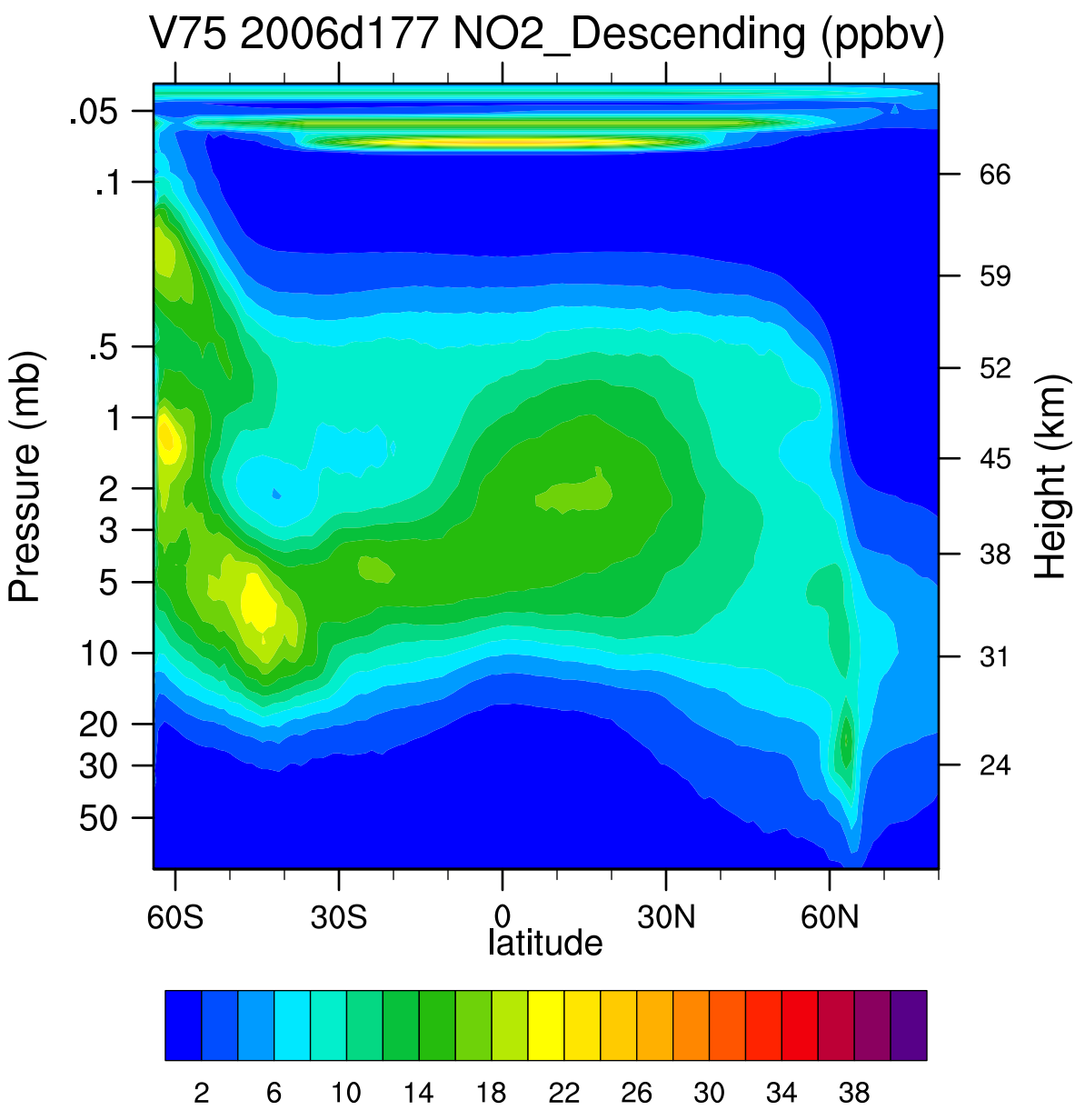
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Pressure (mb)
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Height (km)
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52
45
38
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60N
latitude
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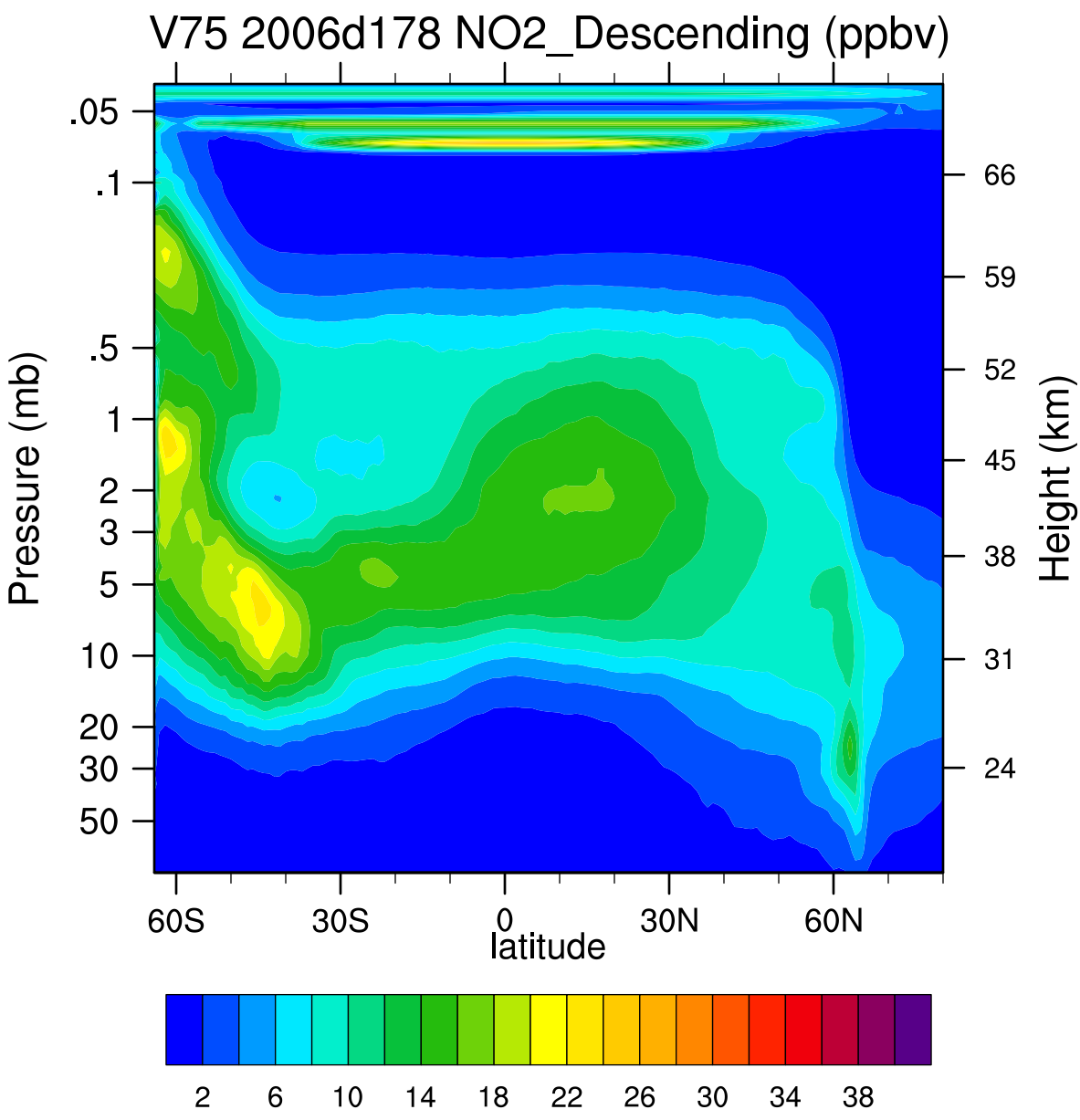
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Pressure (mb)
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Height (km)
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52
45
38
31
24
60S
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latitude
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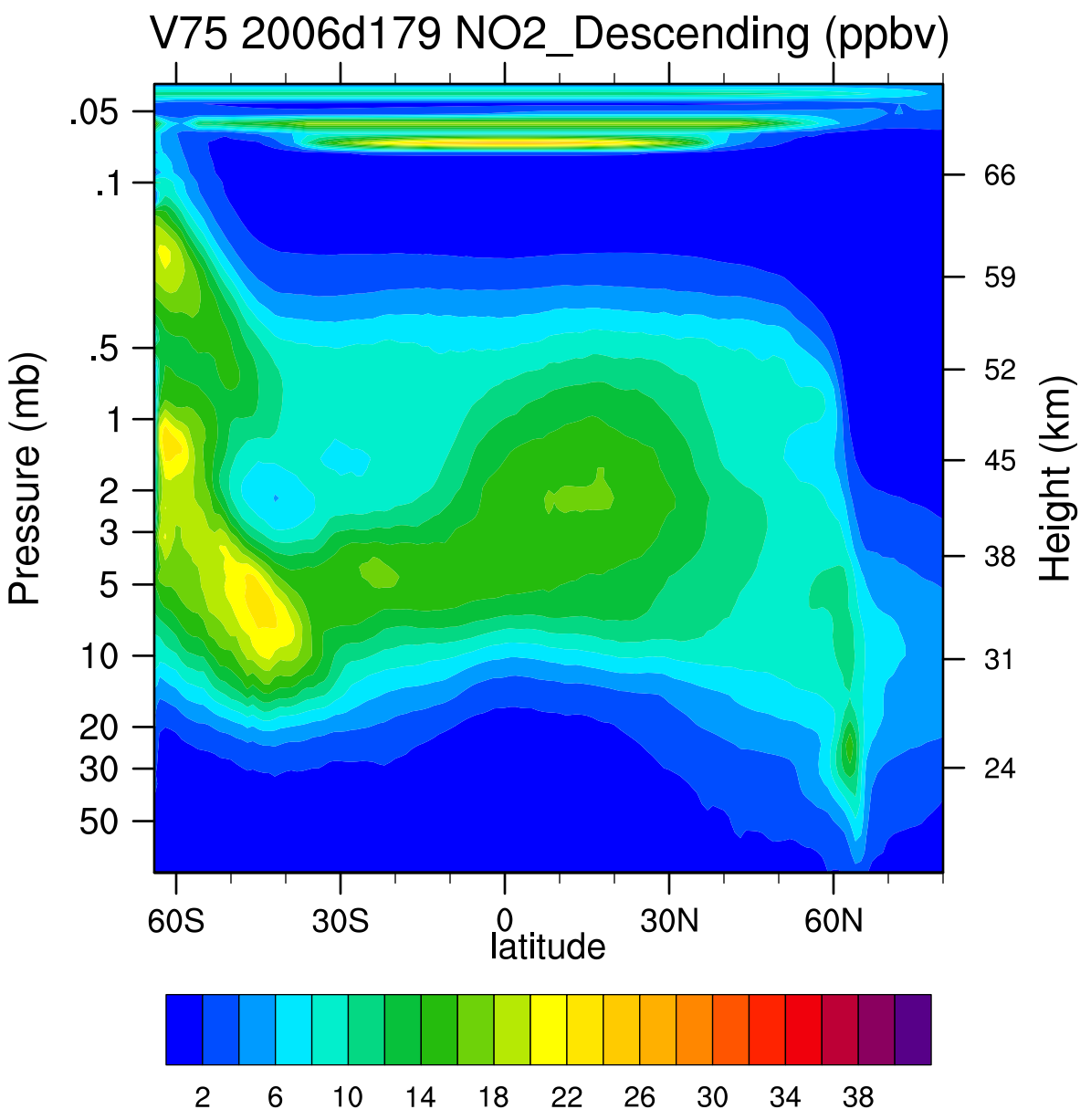
V75 2006d179 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
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Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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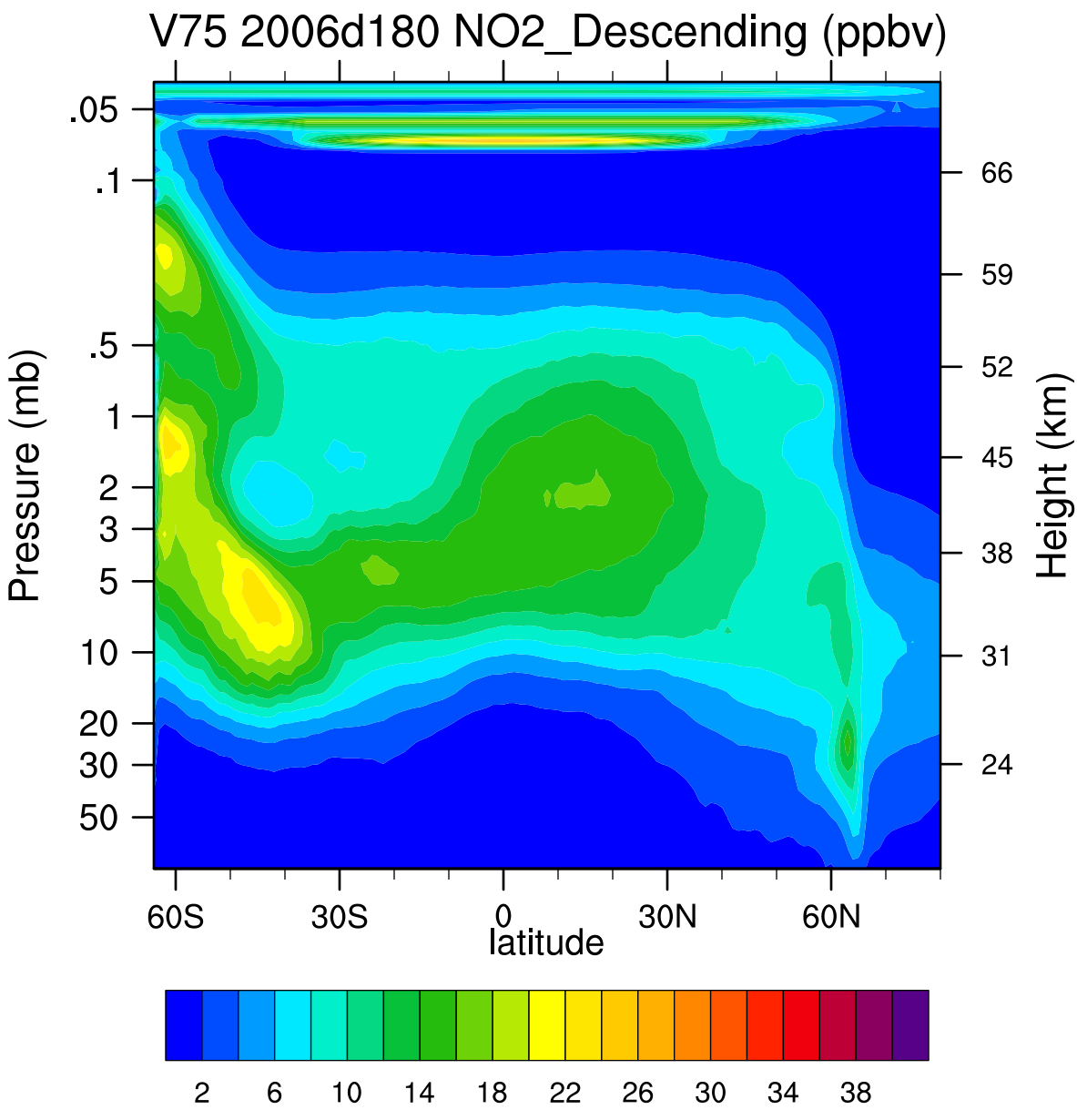
V75 2006d180 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
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34
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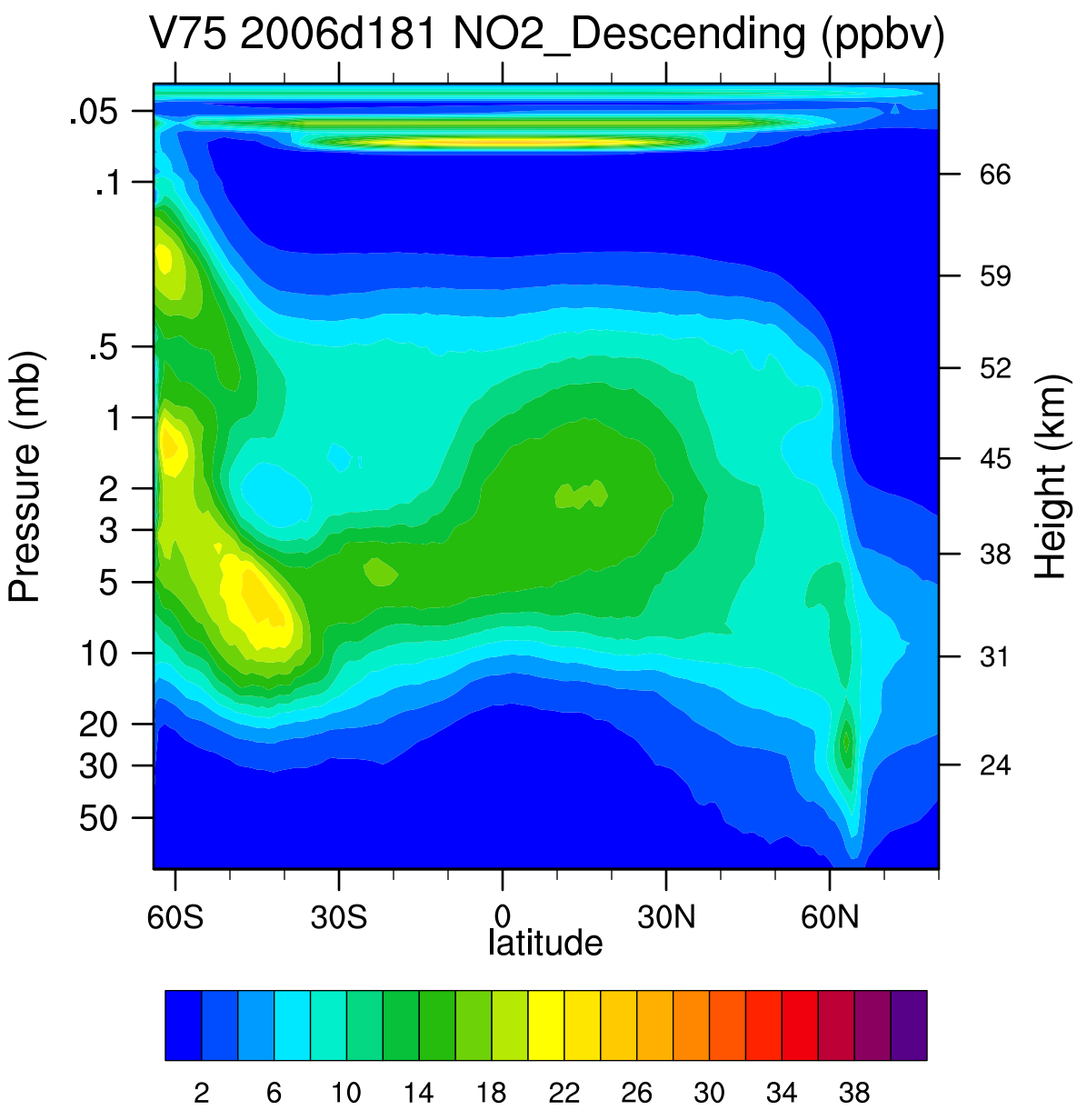
V75 2006d181 NO2_Descending (ppbv)
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.1
.5
1
2
3
5
10
20
30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
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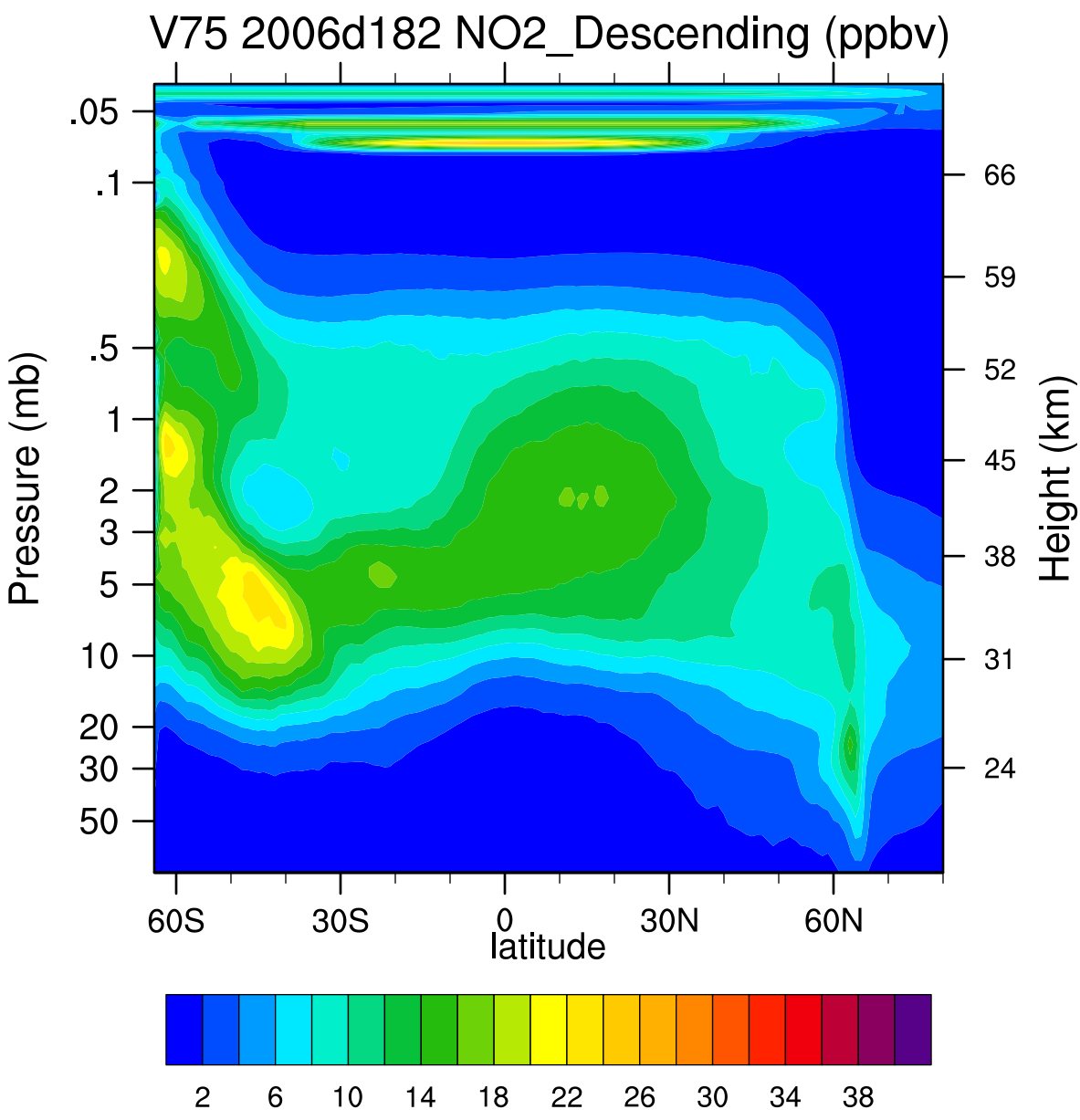
34
38


V75 2006d182 NO2_Descending (ppbv)
Pressure (mb)
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.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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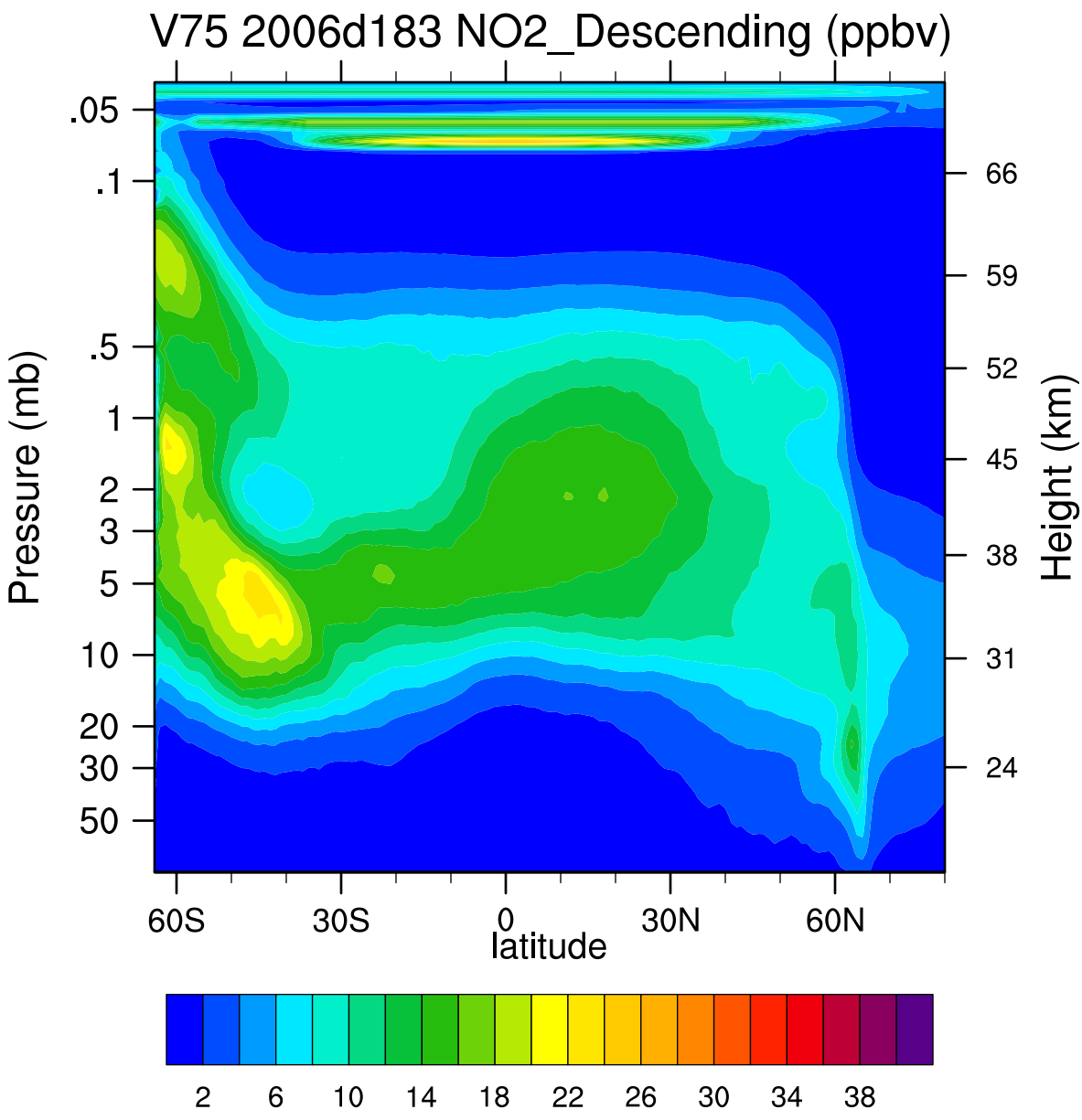
V75 2006d183 NO2_Descending (ppbv)
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1
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3
5
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20
30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
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30S
0
30N
60N
latitude
2
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10
14
18
22
26
30
34
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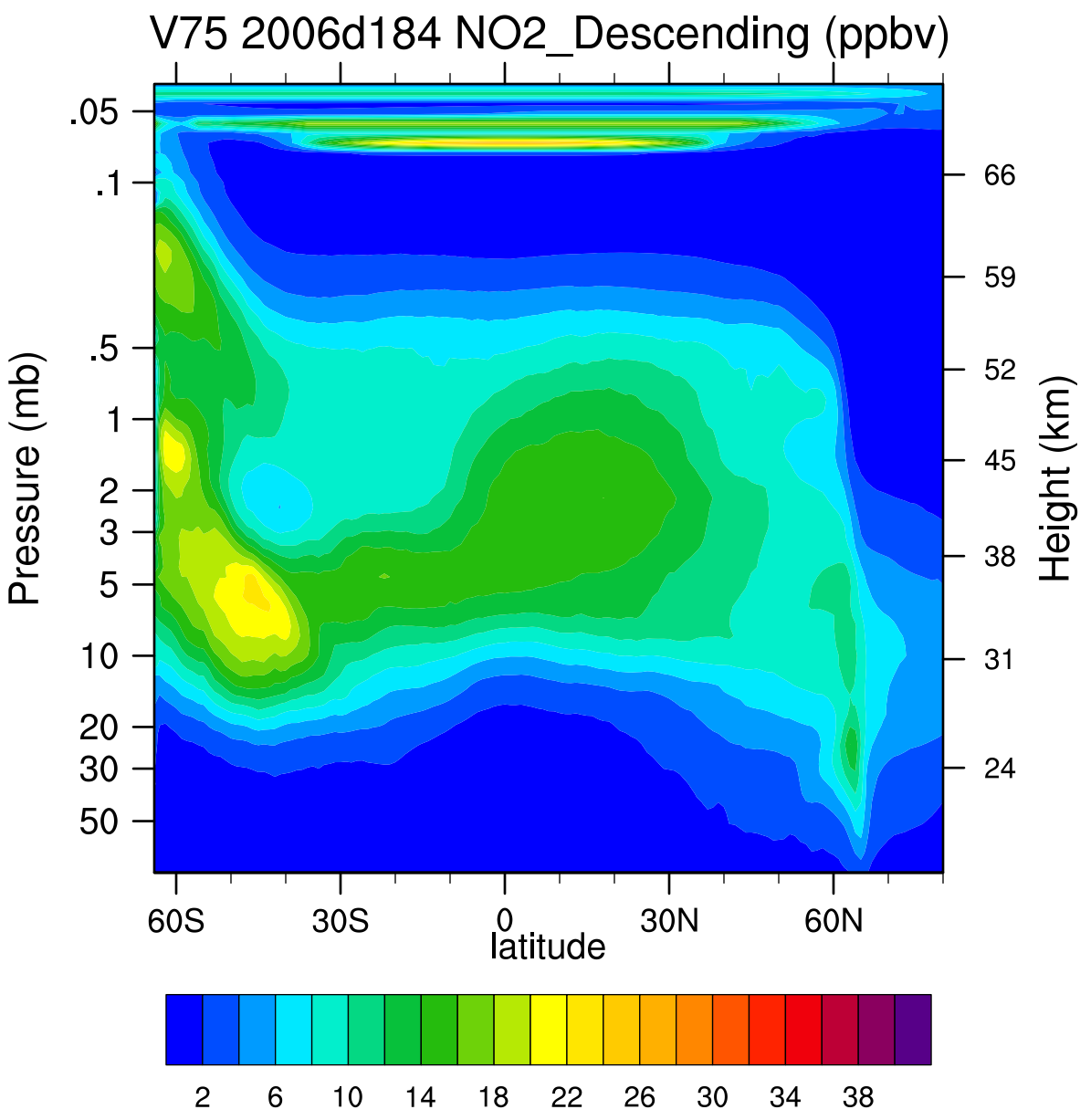
V75 2006d184 NO2_Descending (ppbv)
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1
2
3
5
10
20
30
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Pressure (mb)
66
59
52
45
38
31
24
Height (km)
60S
30S
0
30N
60N
latitude
2
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10
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26
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34
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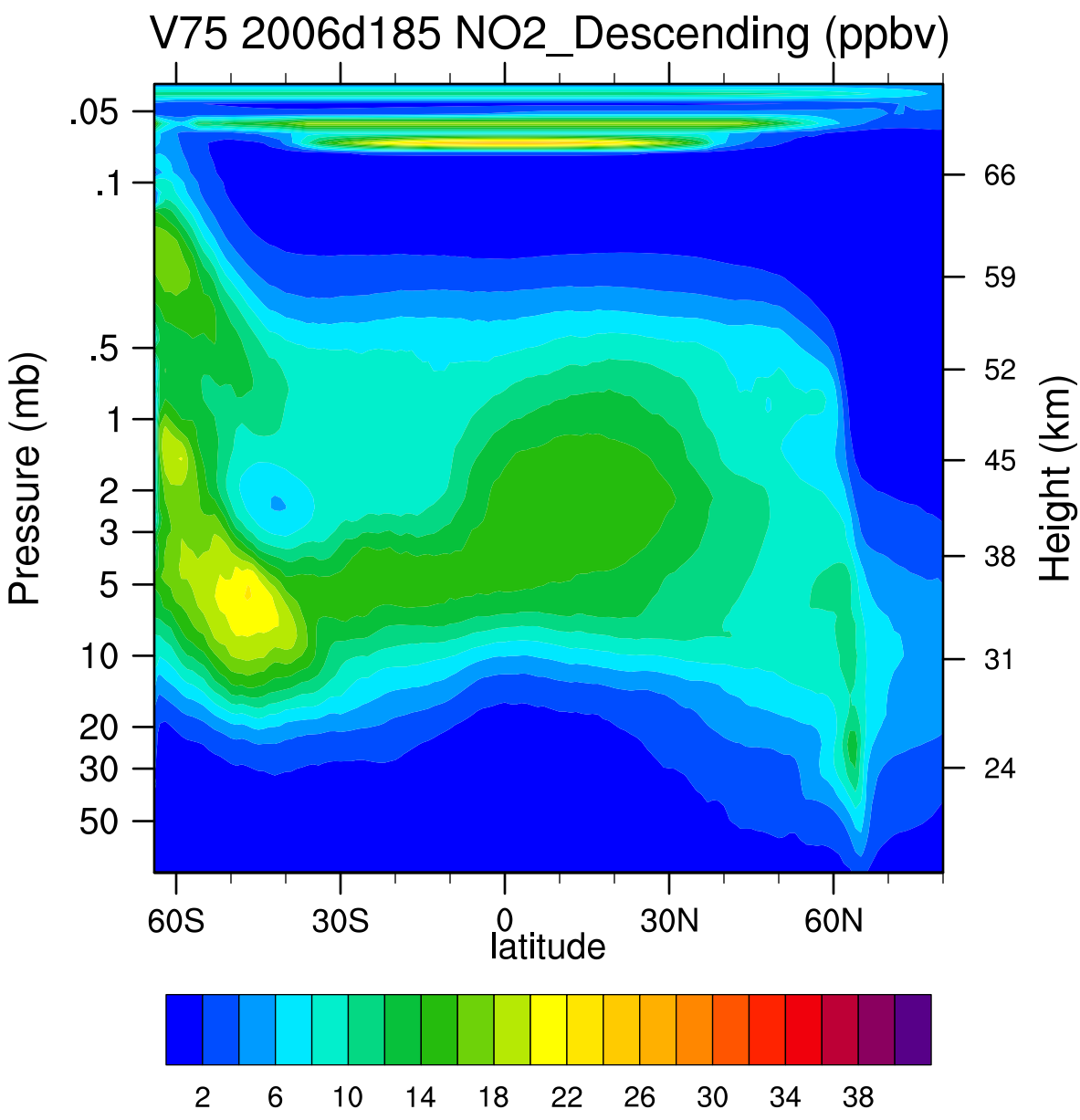
V75 2006d185 NO2_Descending (ppbv)
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2
3
5
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20
30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
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30S
0
30N
60N
latitude
2
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10
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26
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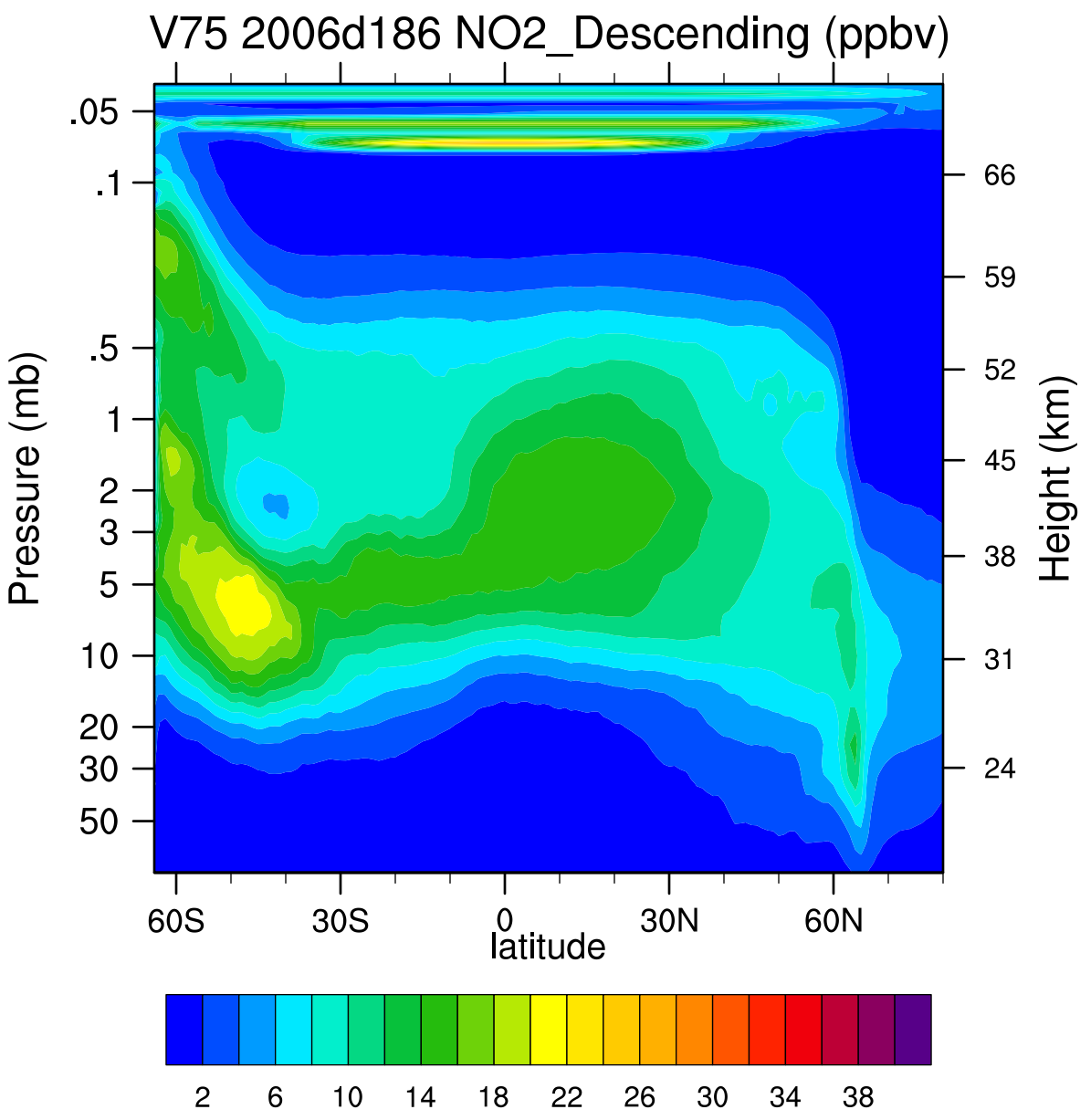
V75 2006d186 NO2_Descending (ppbv)
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2
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20
30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
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30S
0
30N
60N
latitude
2
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10
14
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26
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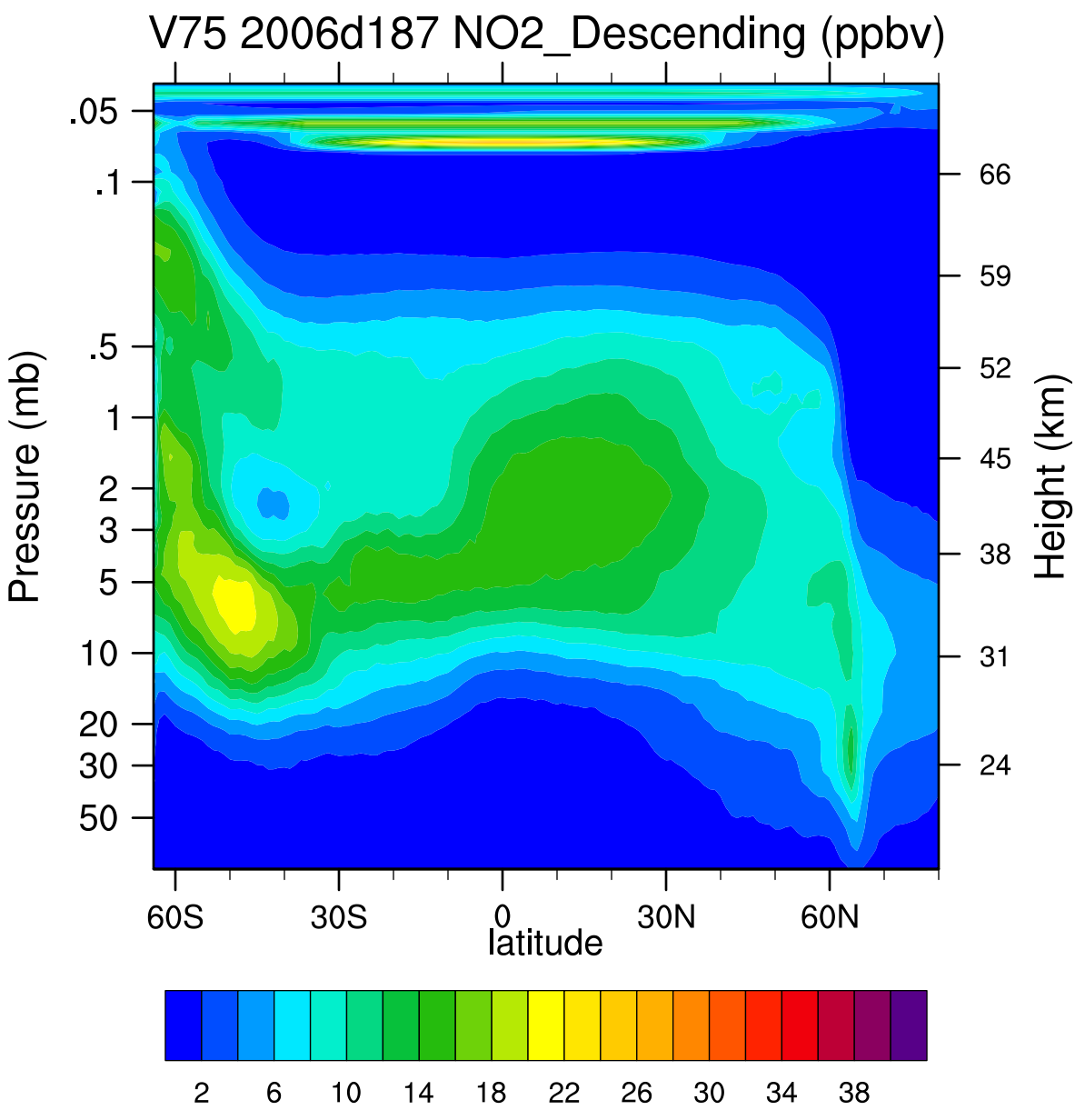
V75 2006d187 NO2_Descending (ppbv)
Pressure (mb)
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.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
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26
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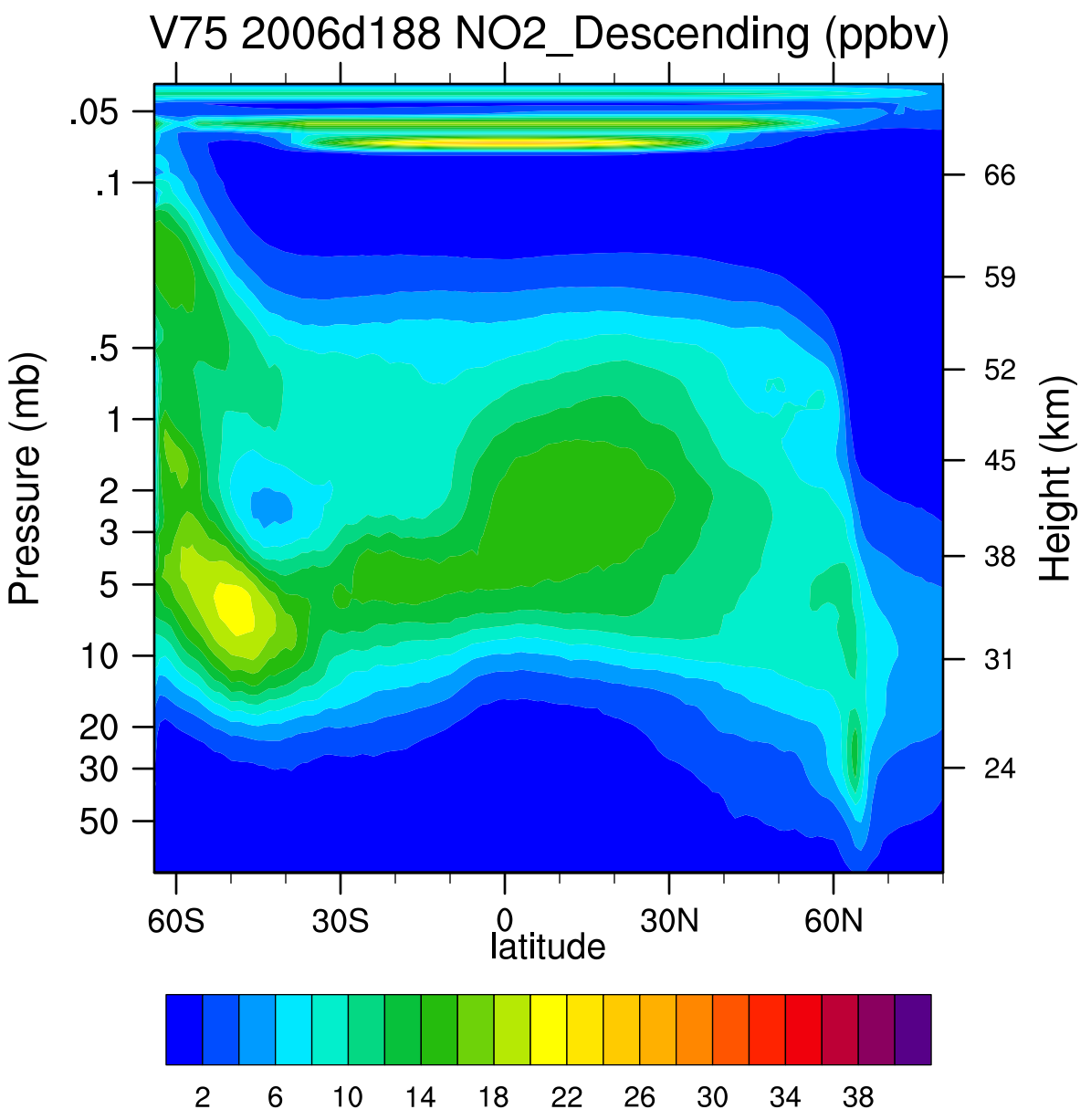
V75 2006d188 NO2_Descending (ppbv)
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5
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20
30
50
Pressure (mb)
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59
52
45
38
31
24
Height (km)
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30S
0
30N
60N
latitude
2
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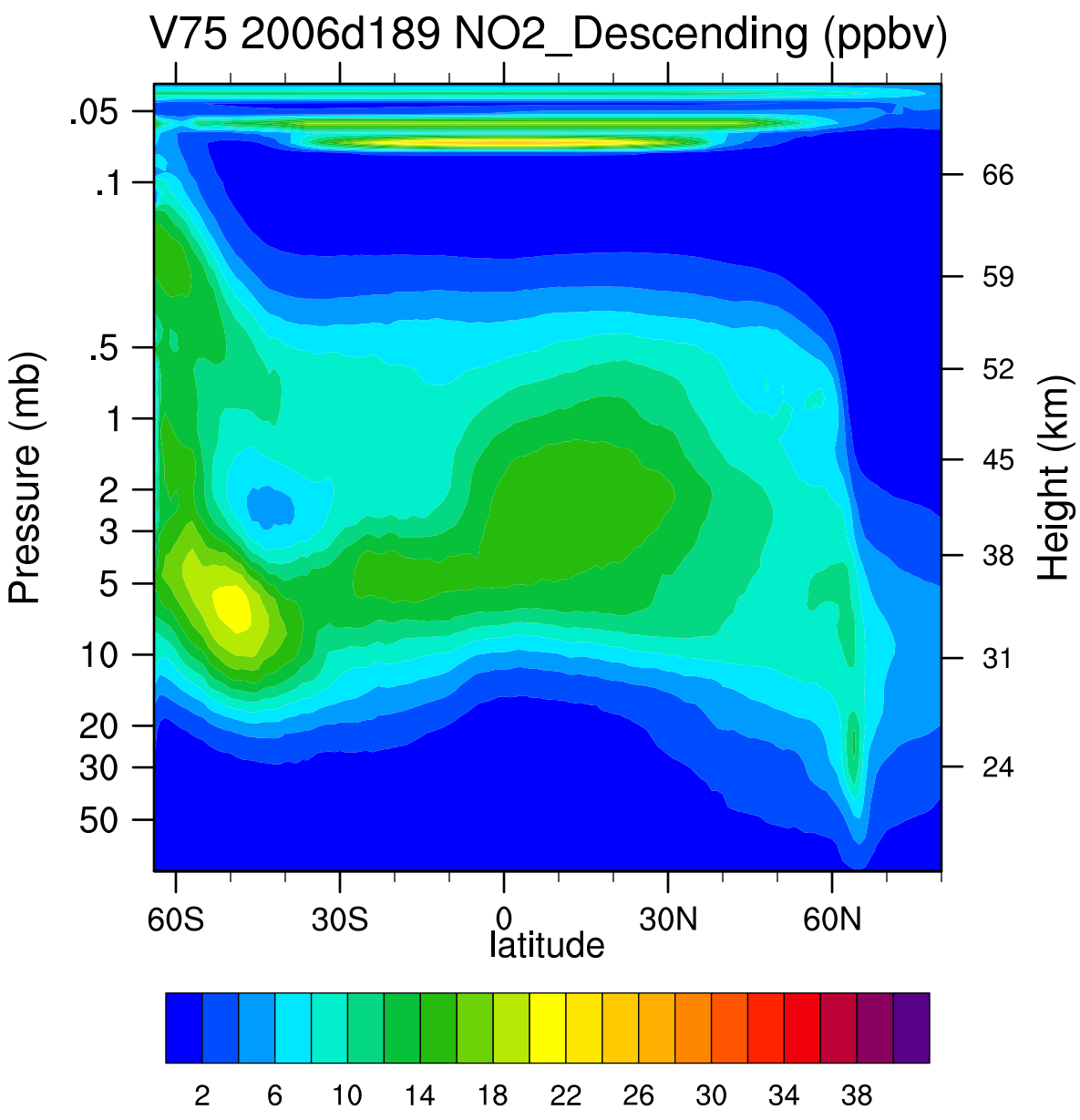
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.5
1
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20
30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
60S
30S
0
30N
60N
latitude
2
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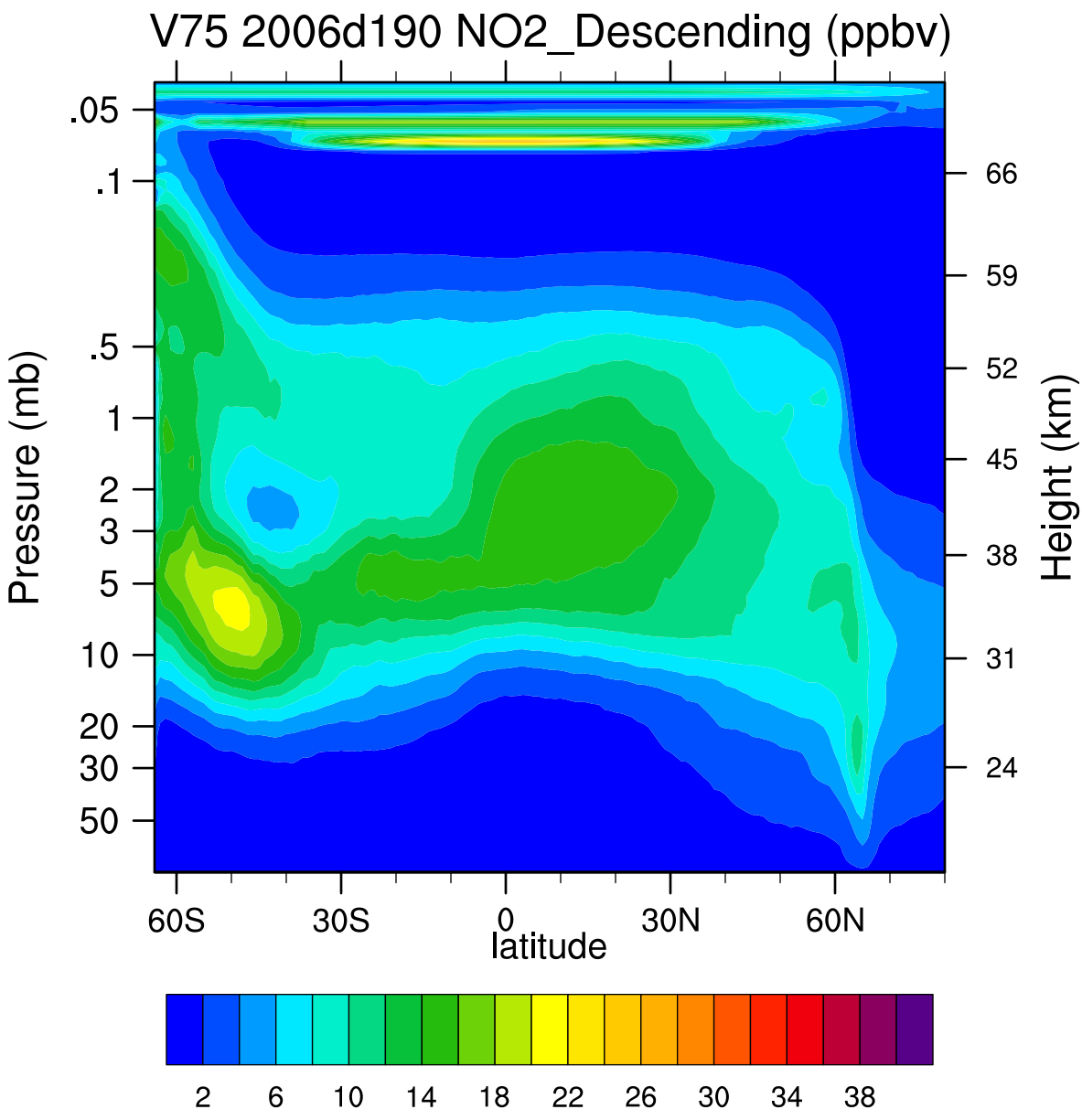
V75 2006d190 NO2_Descending (ppbv)
Pressure (mb)
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.5
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2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
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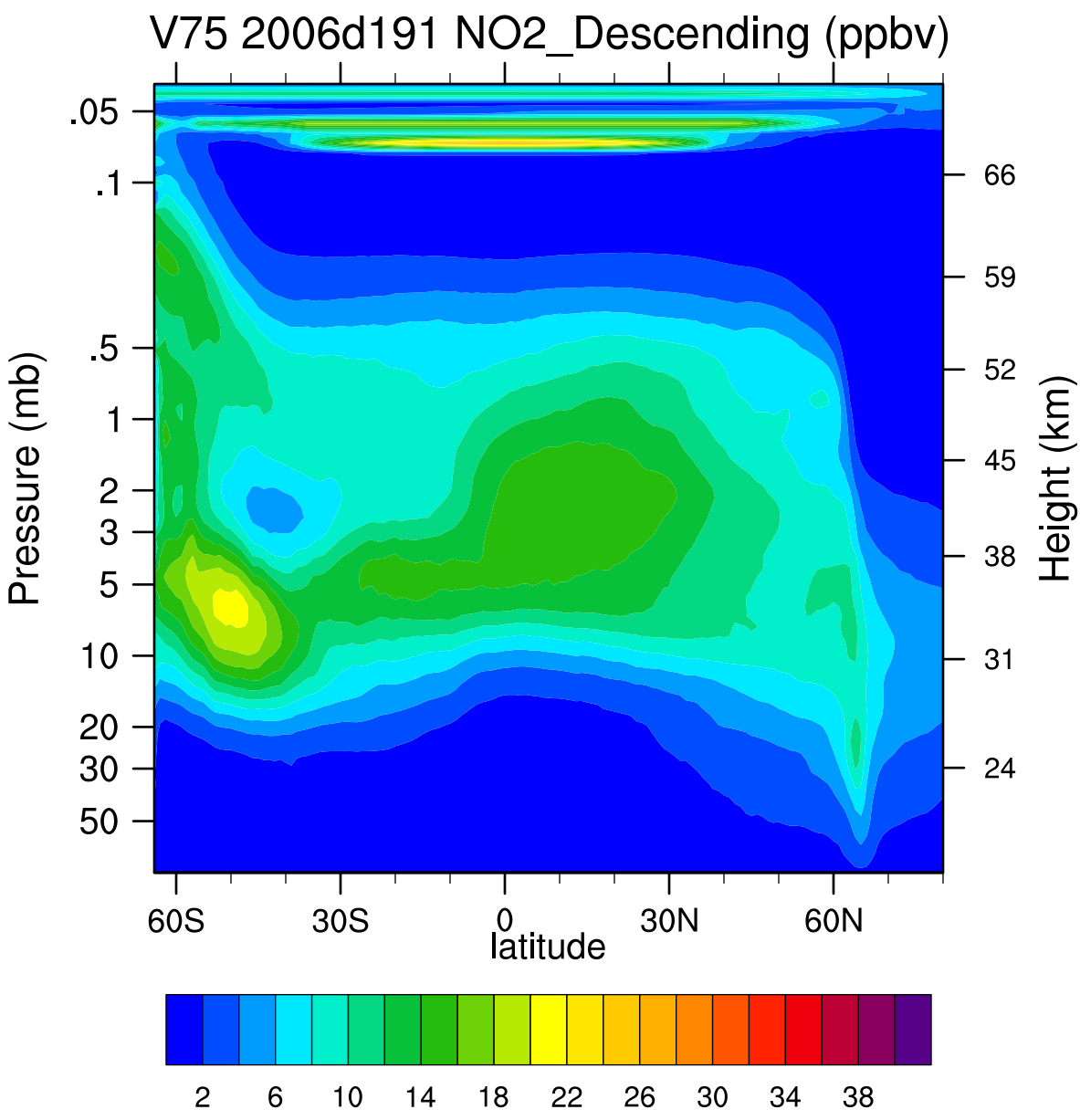
V75 2006d191 NO2_Descending (ppbv)
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.5
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2
3
5
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20
30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
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30S
0
30N
60N
latitude
2
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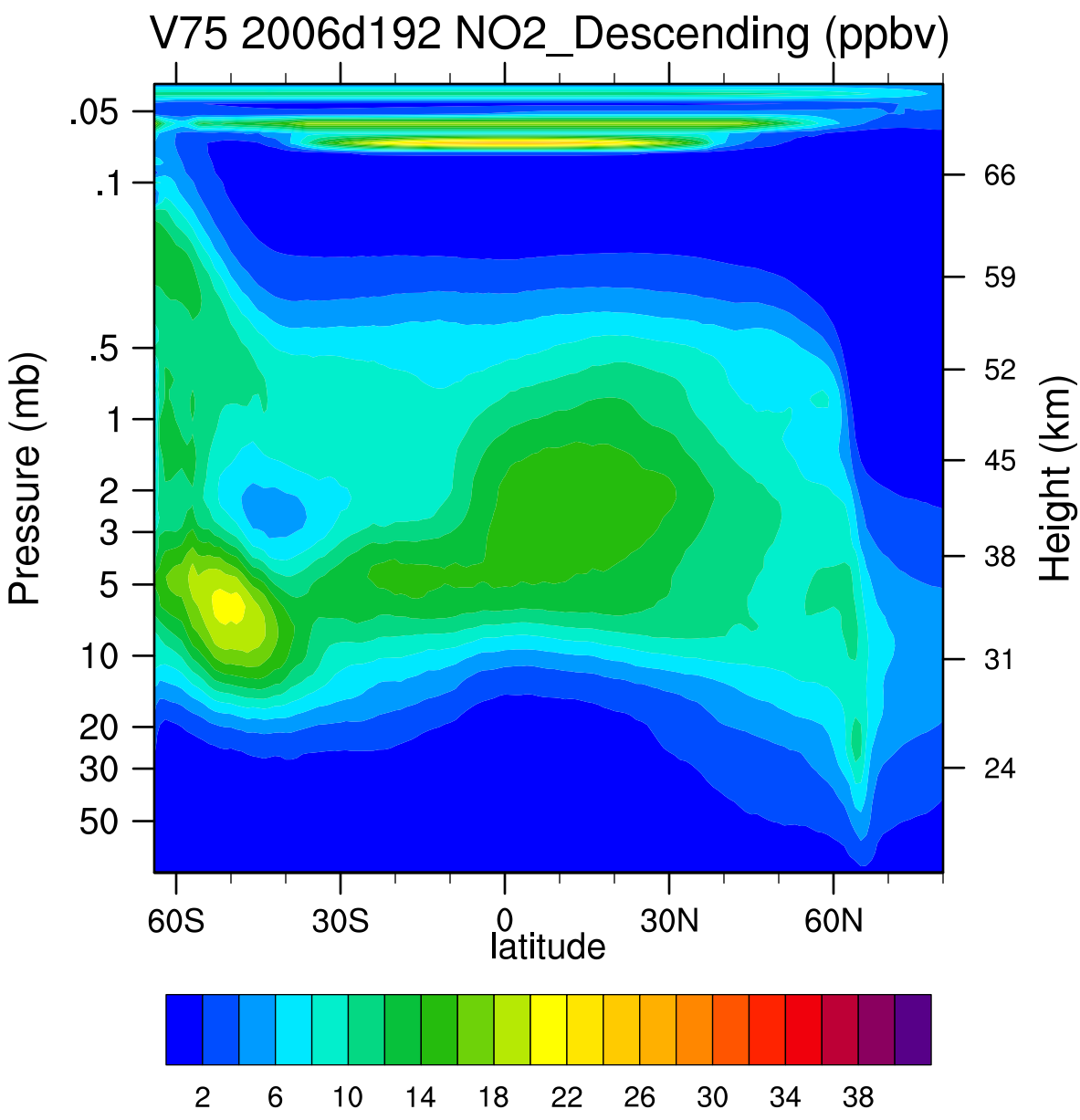
V75 2006d192 NO2_Descending (ppbv)
Pressure (mb)
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.5
1
2
3
5
10
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50
Height (km)
66
59
52
45
38
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24
60S
30S
0
30N
60N
latitude
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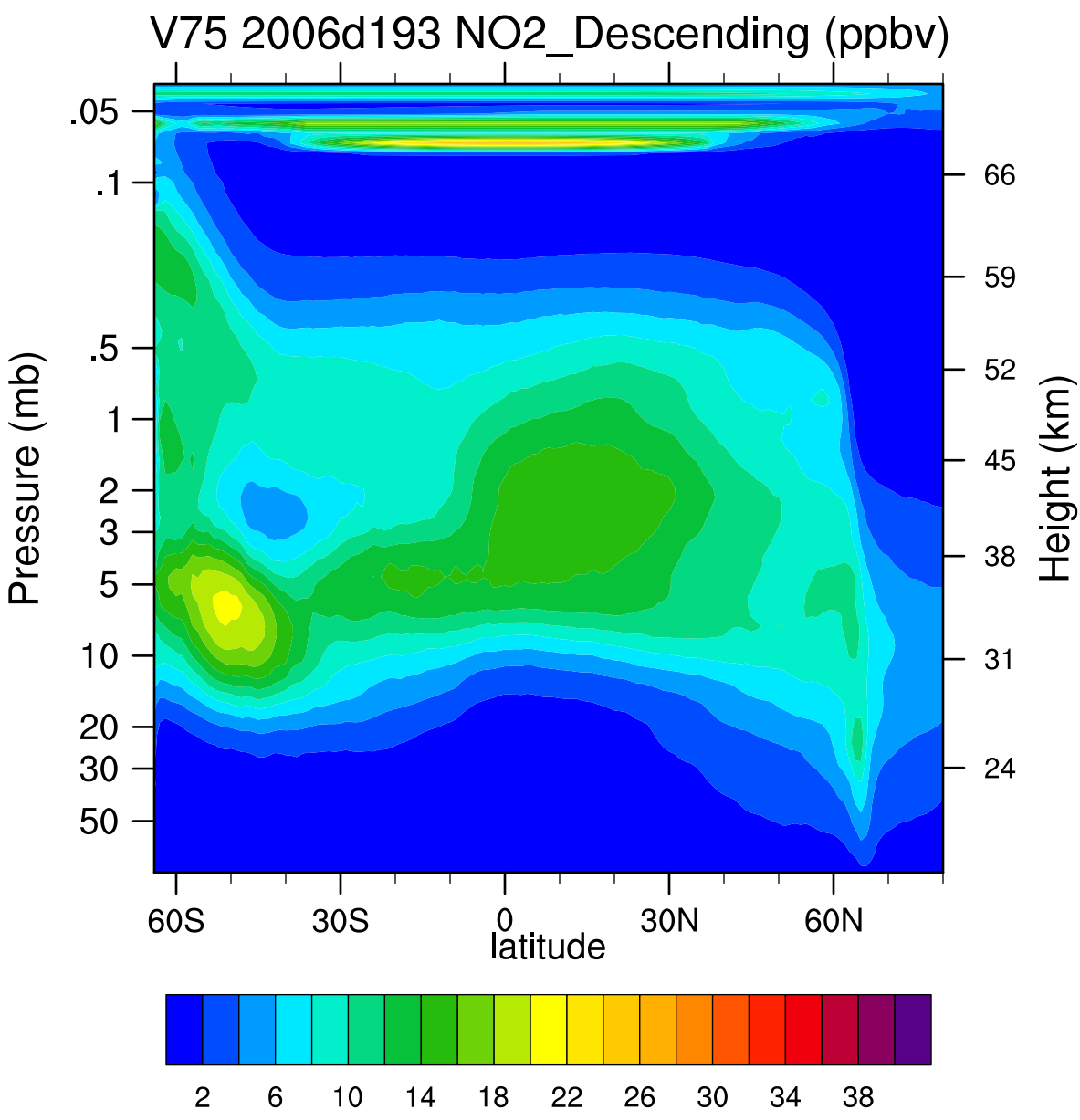
V75 2006d193 NO2_Descending (ppbv)
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2
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5
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30
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Pressure (mb)
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59
52
45
38
31
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Height (km)
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30S
0
30N
60N
latitude
2
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26
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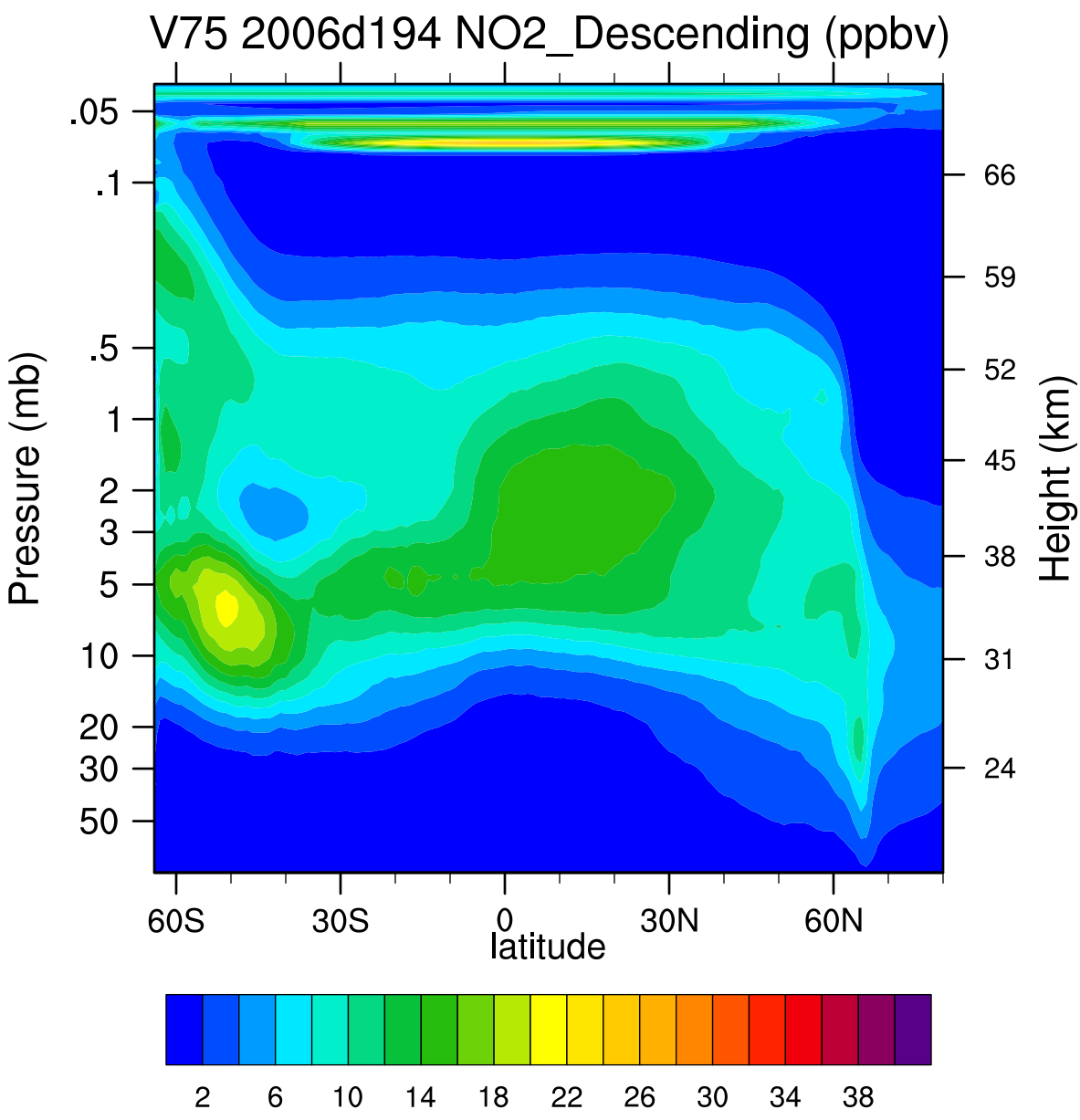
V75 2006d194 NO2_Descending (ppbv)
Pressure (mb)
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.5
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2
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5
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20
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50
Height (km)
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59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
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10
14
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26
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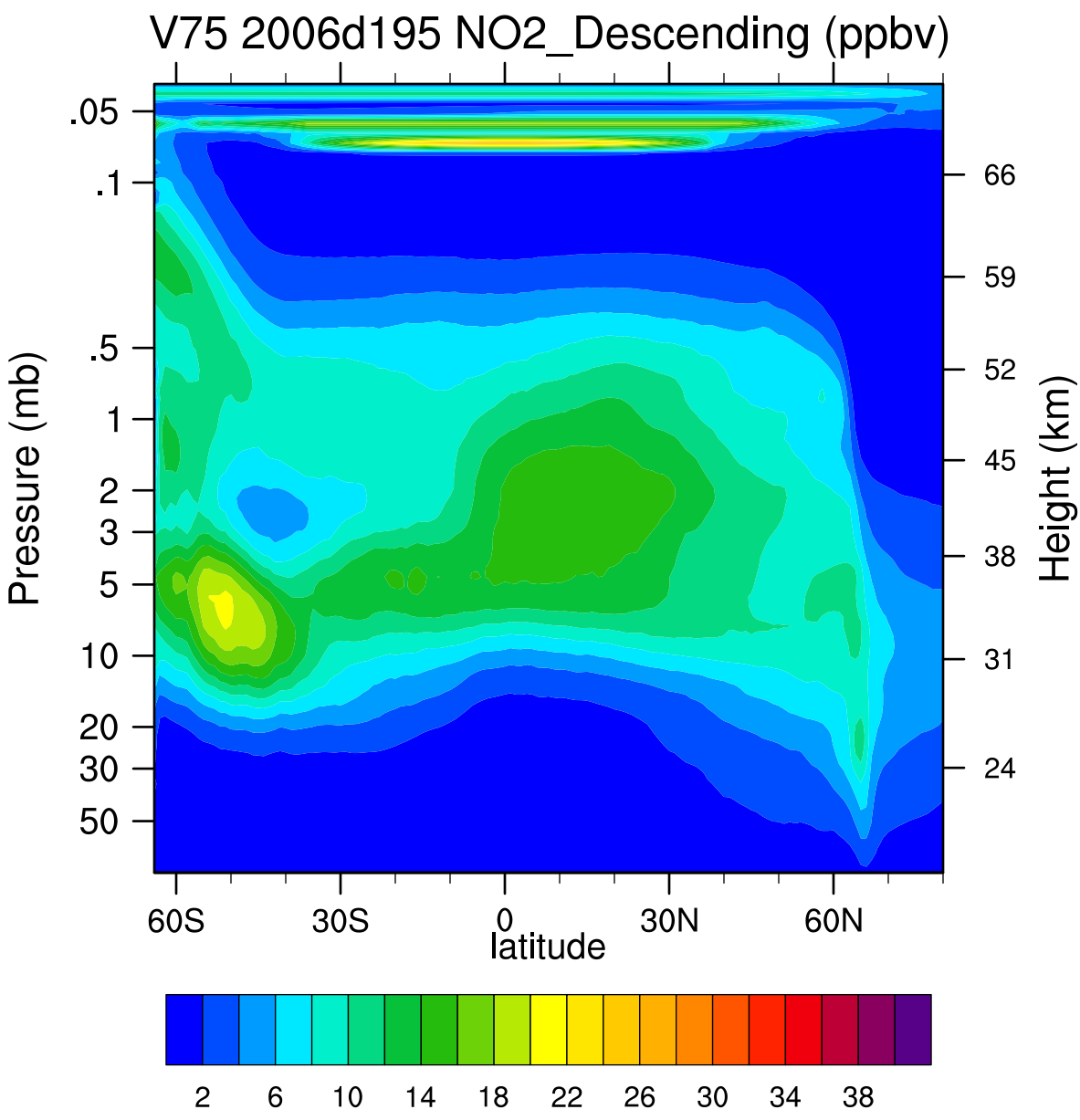
V75 2006d195 NO2_Descending (ppbv)
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30
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Pressure (mb)
66
59
52
45
38
31
24
Height (km)
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30S
0
30N
60N
latitude
2
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10
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26
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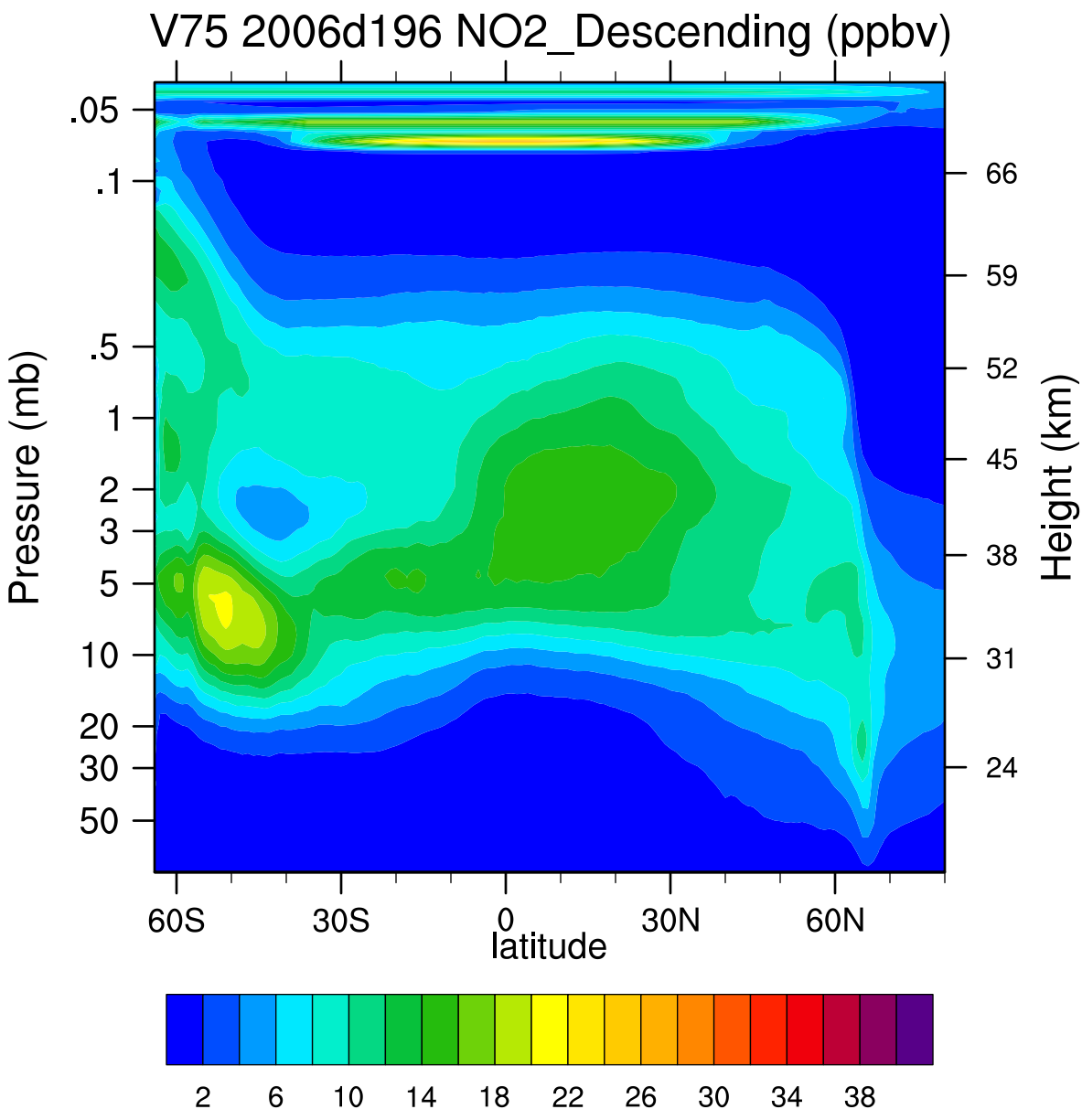
V75 2006d196 NO2_Descending (ppbv)
Pressure (mb)
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.5
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Height (km)
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59
52
45
38
31
24
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30S
0
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60N
latitude
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10
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26
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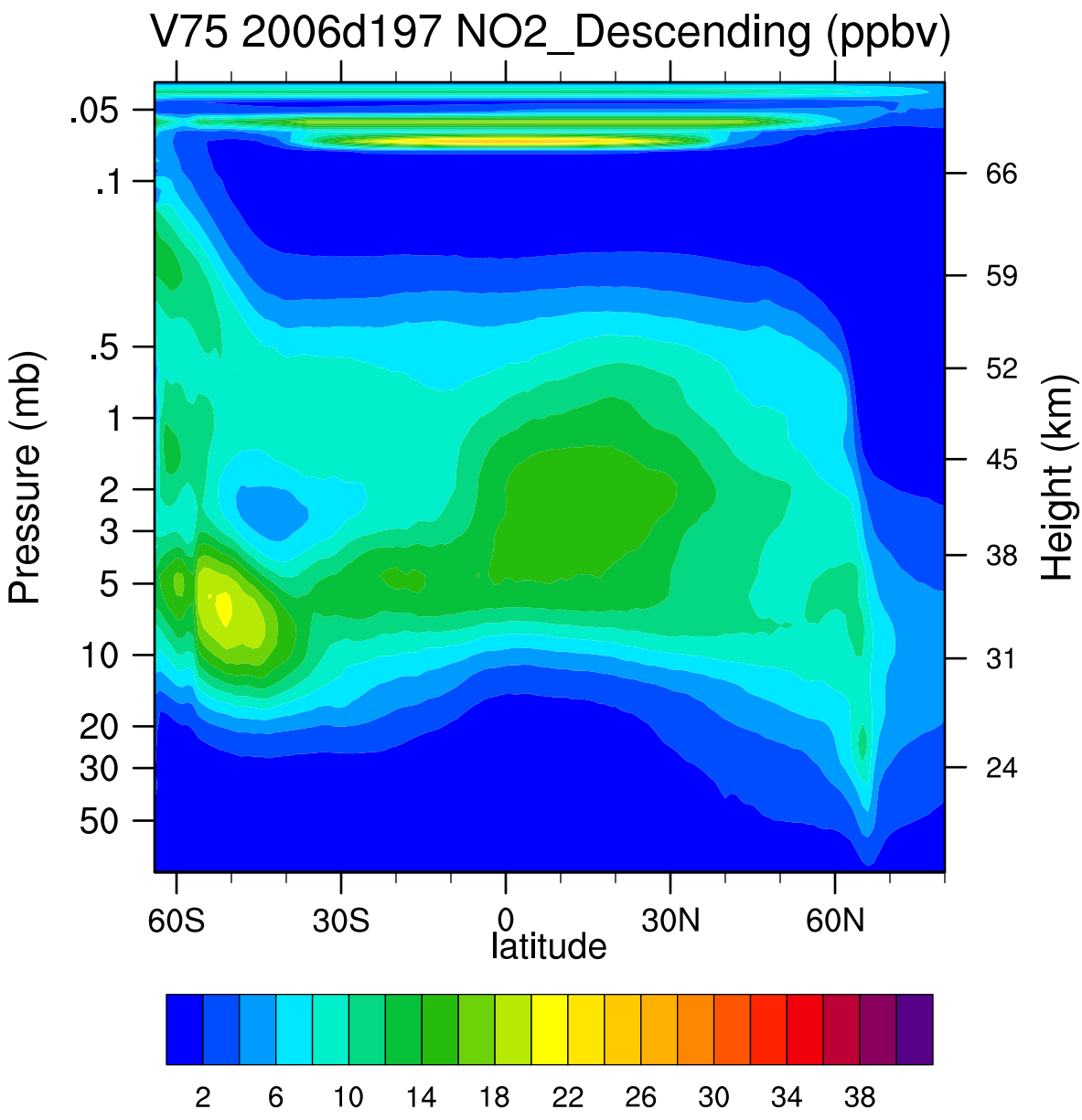
V75 2006d197 NO2_Descending (ppbv)
Pressure (mb)
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Height (km)
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59
52
45
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24
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30S
0
30N
60N
latitude
2
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10
14
18
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26
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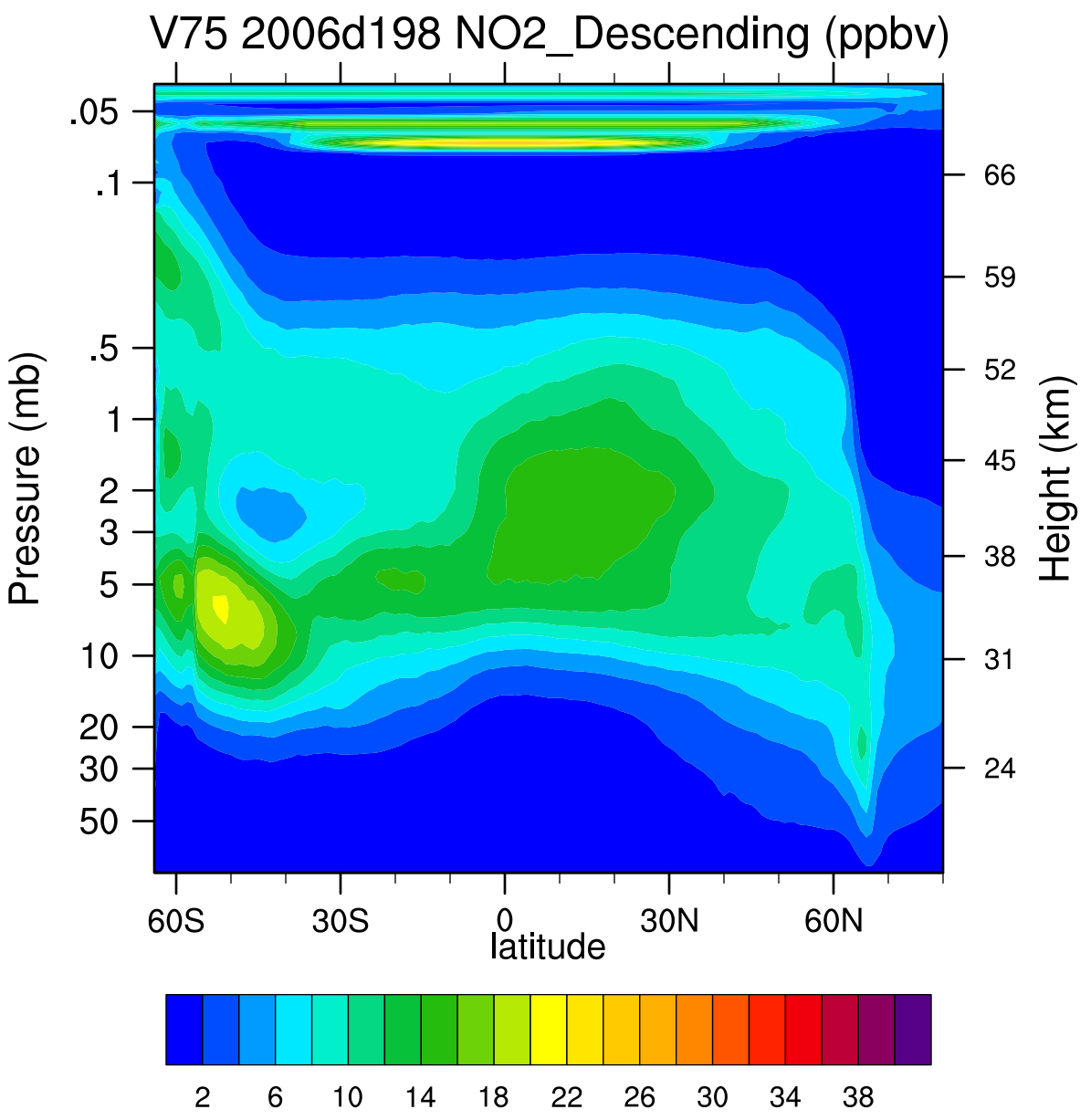
V75 2006d198 NO2_Descending (ppbv)
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5
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30
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Pressure (mb)
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59
52
45
38
31
24
Height (km)
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
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34
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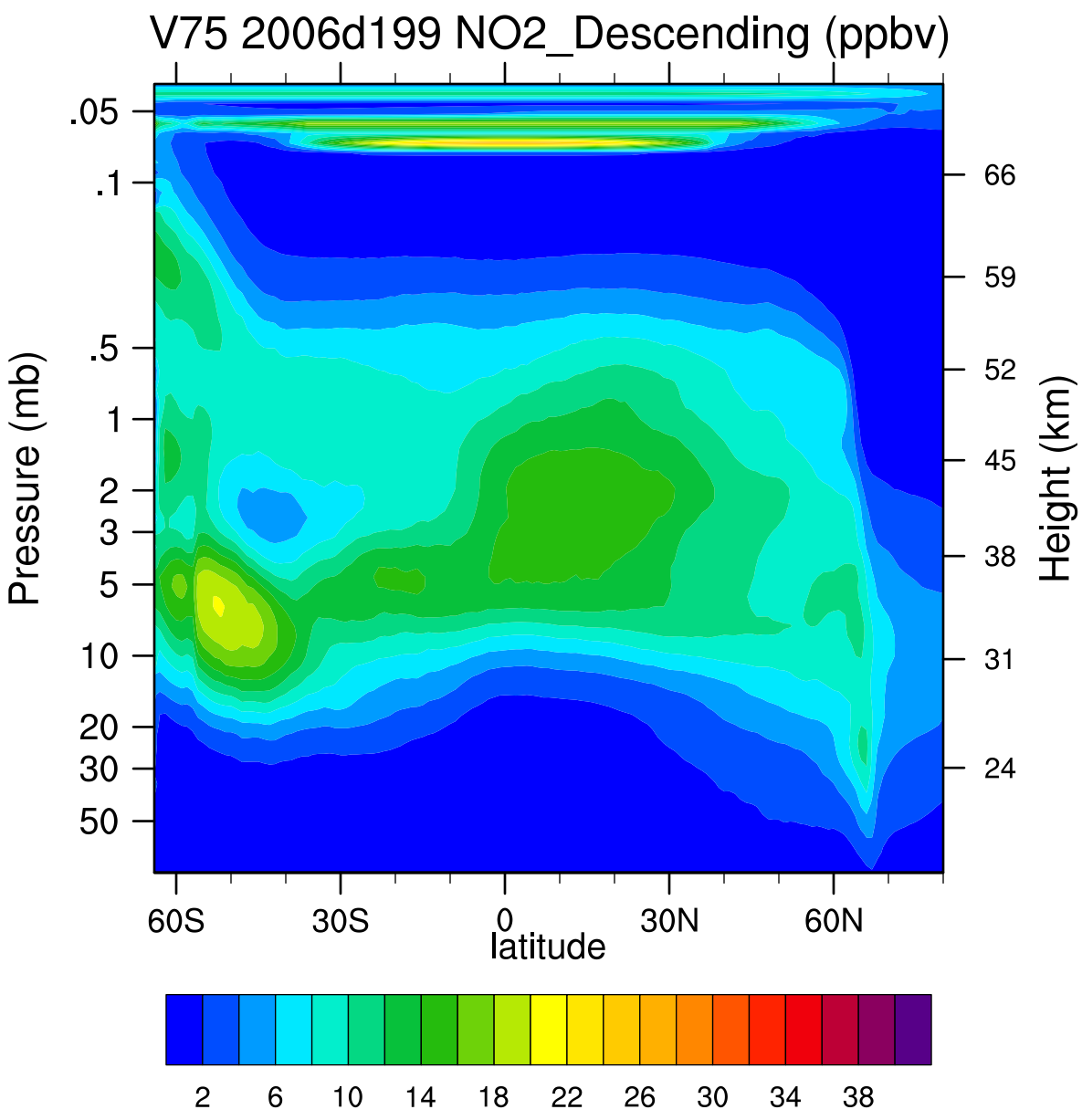
V75 2006d199 NO2_Descending (ppbv)
Pressure (mb)
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2
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5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
6
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14
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26
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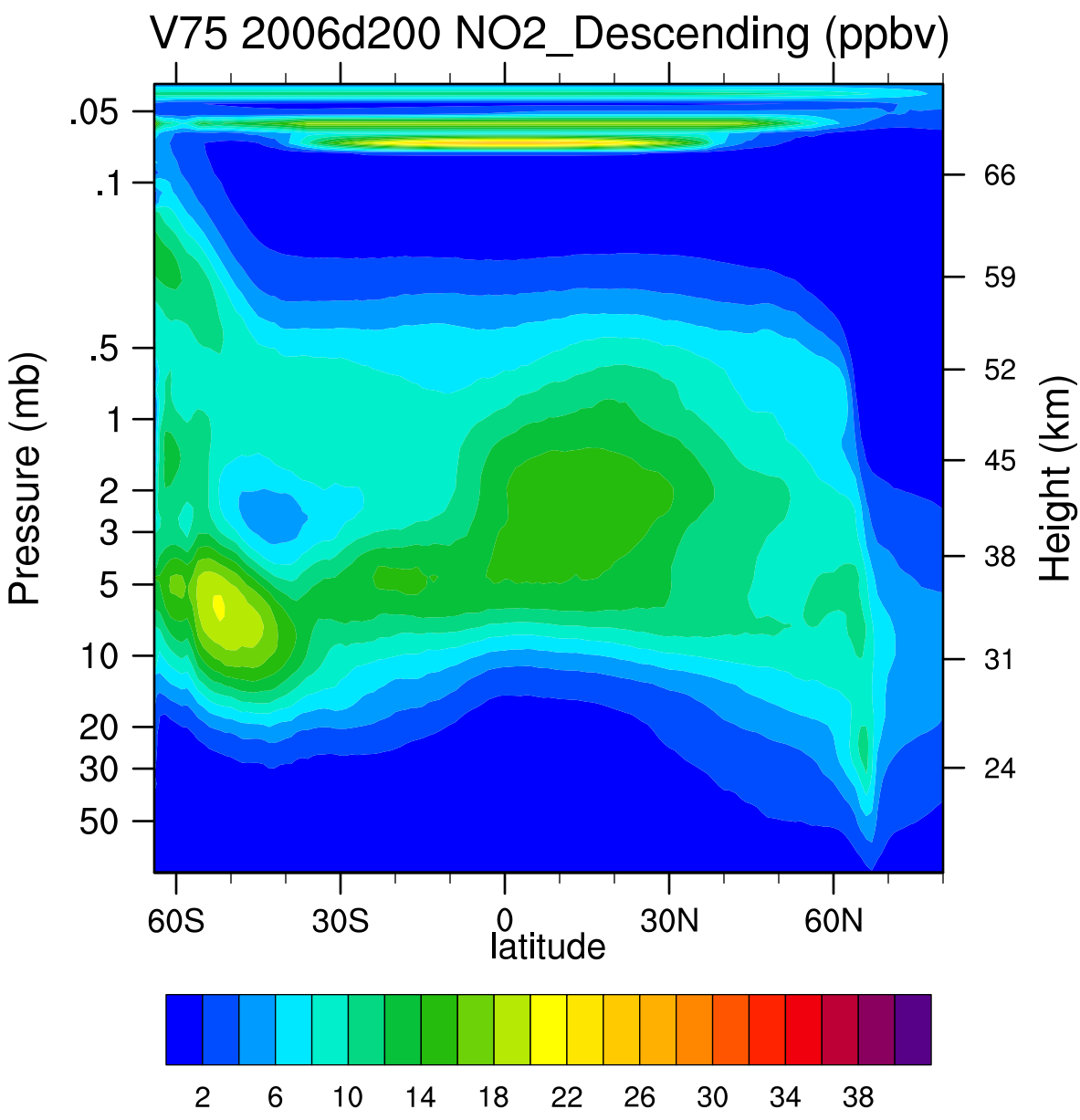
V75 2006d200 NO2_Descending (ppbv)
Pressure (mb)
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5
10
20
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50
Height (km)
66
59
52
45
38
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24
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
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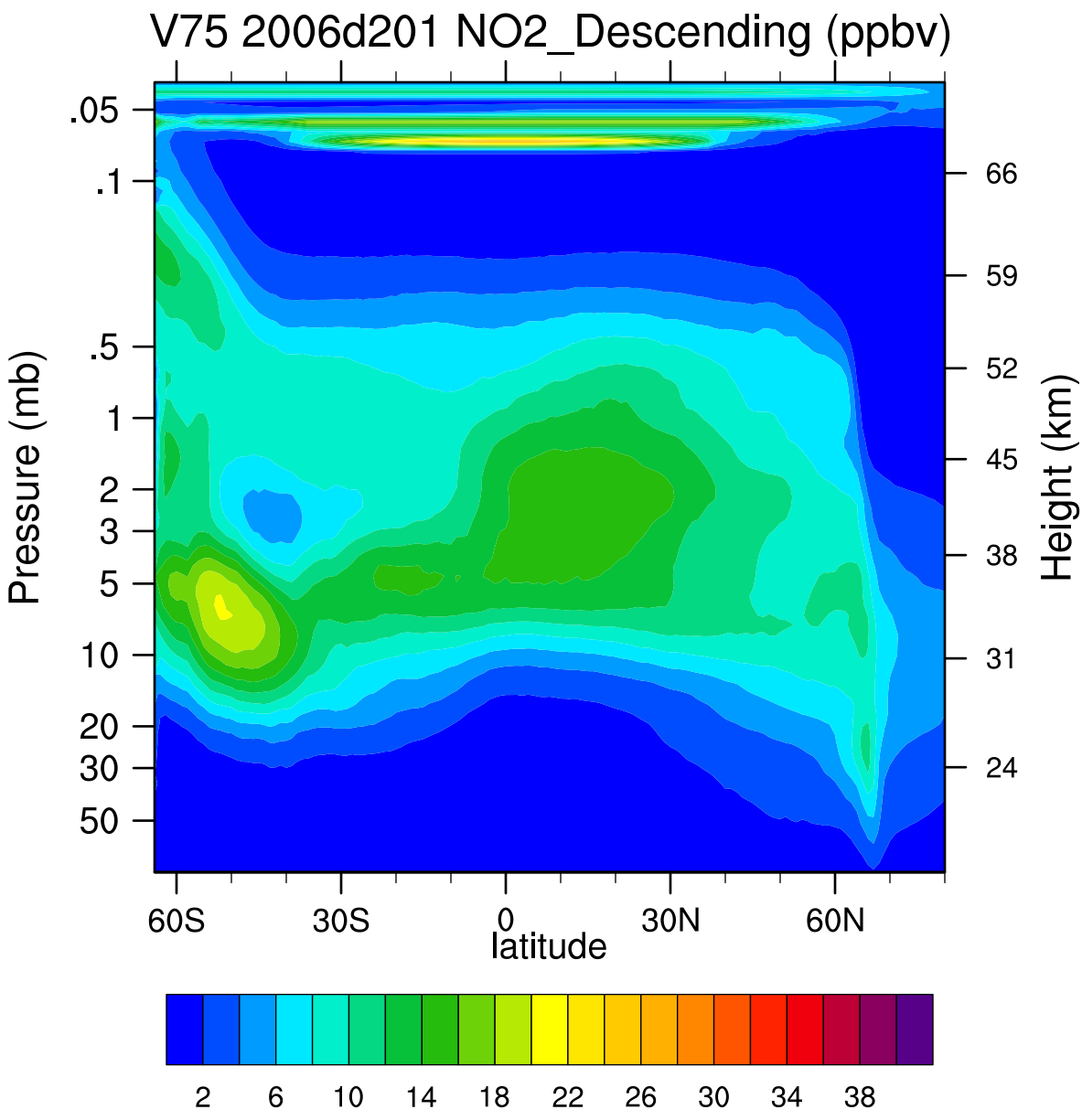
V75 2006d201 NO2_Descending (ppbv)
Pressure (mb)
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5
10
20
30
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Height (km)
66
59
52
45
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31
24
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30S
0
30N
60N
latitude
2
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10
14
18
22
26
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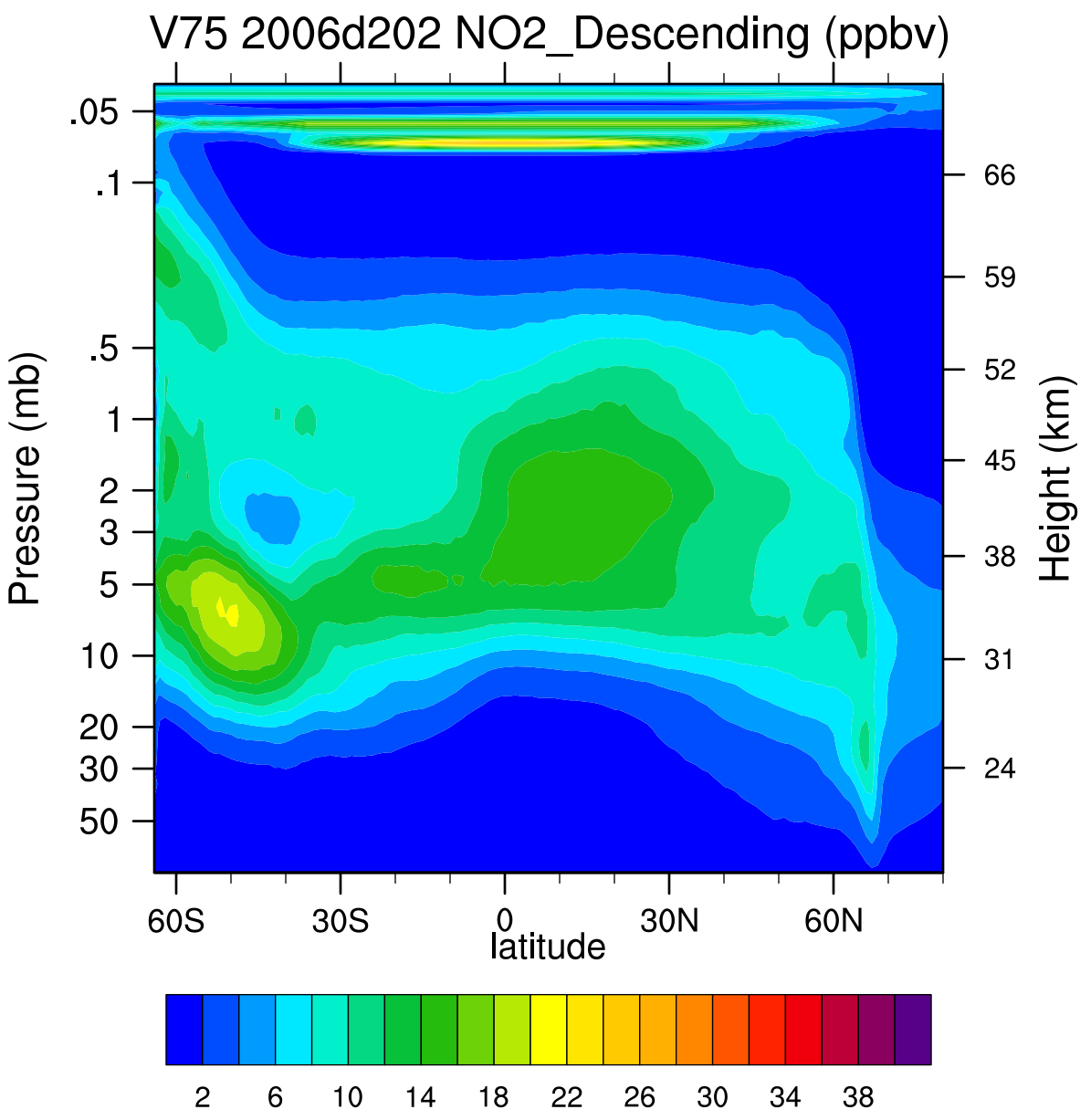
V75 2006d202 NO2_Descending (ppbv)
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20
30
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Pressure (mb)
66
59
52
45
38
31
24
Height (km)
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
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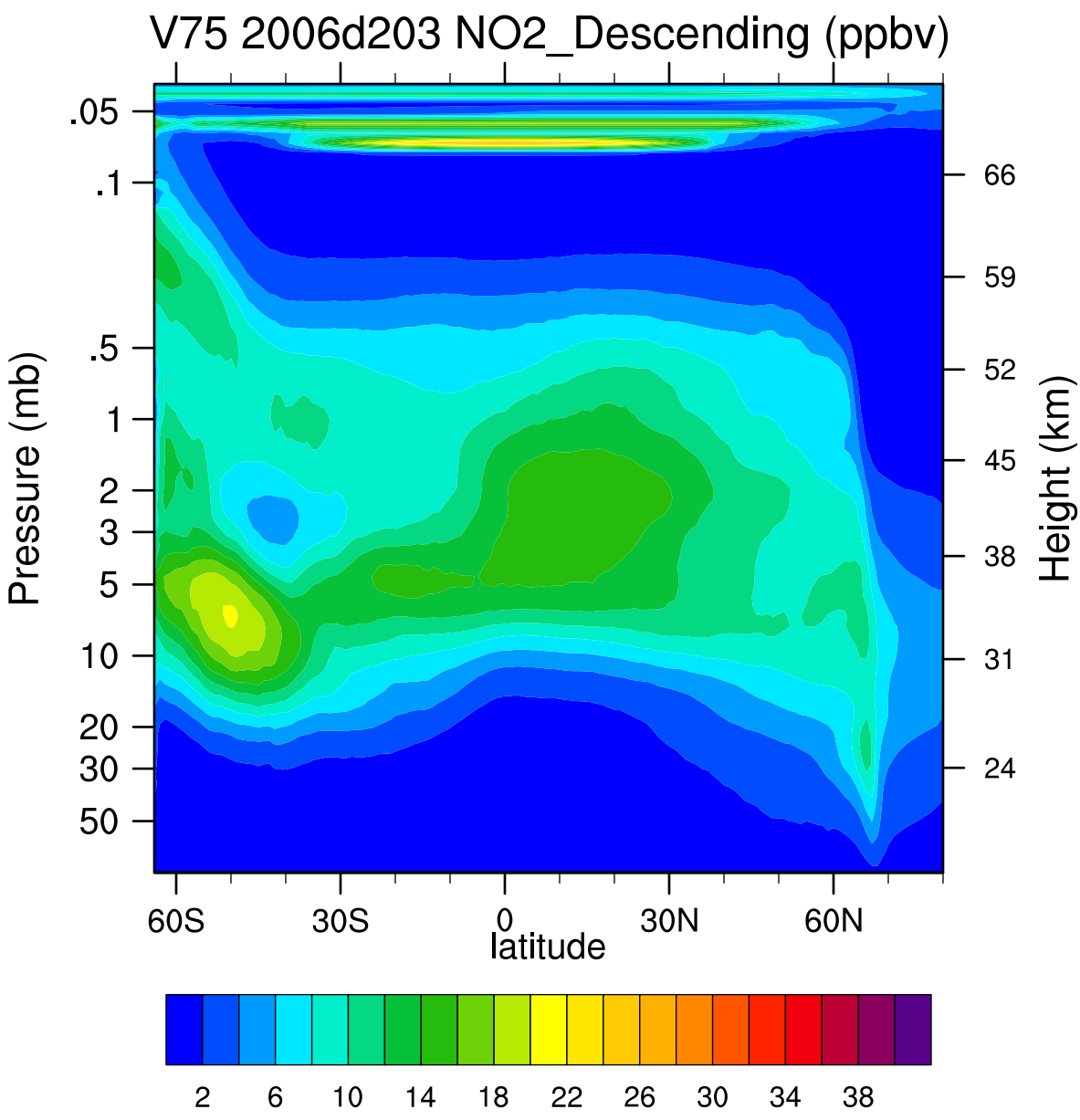
V75 2006d203 NO2_Descending (ppbv)
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Pressure (mb)
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52
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38
31
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Height (km)
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30S
0
30N
60N
latitude
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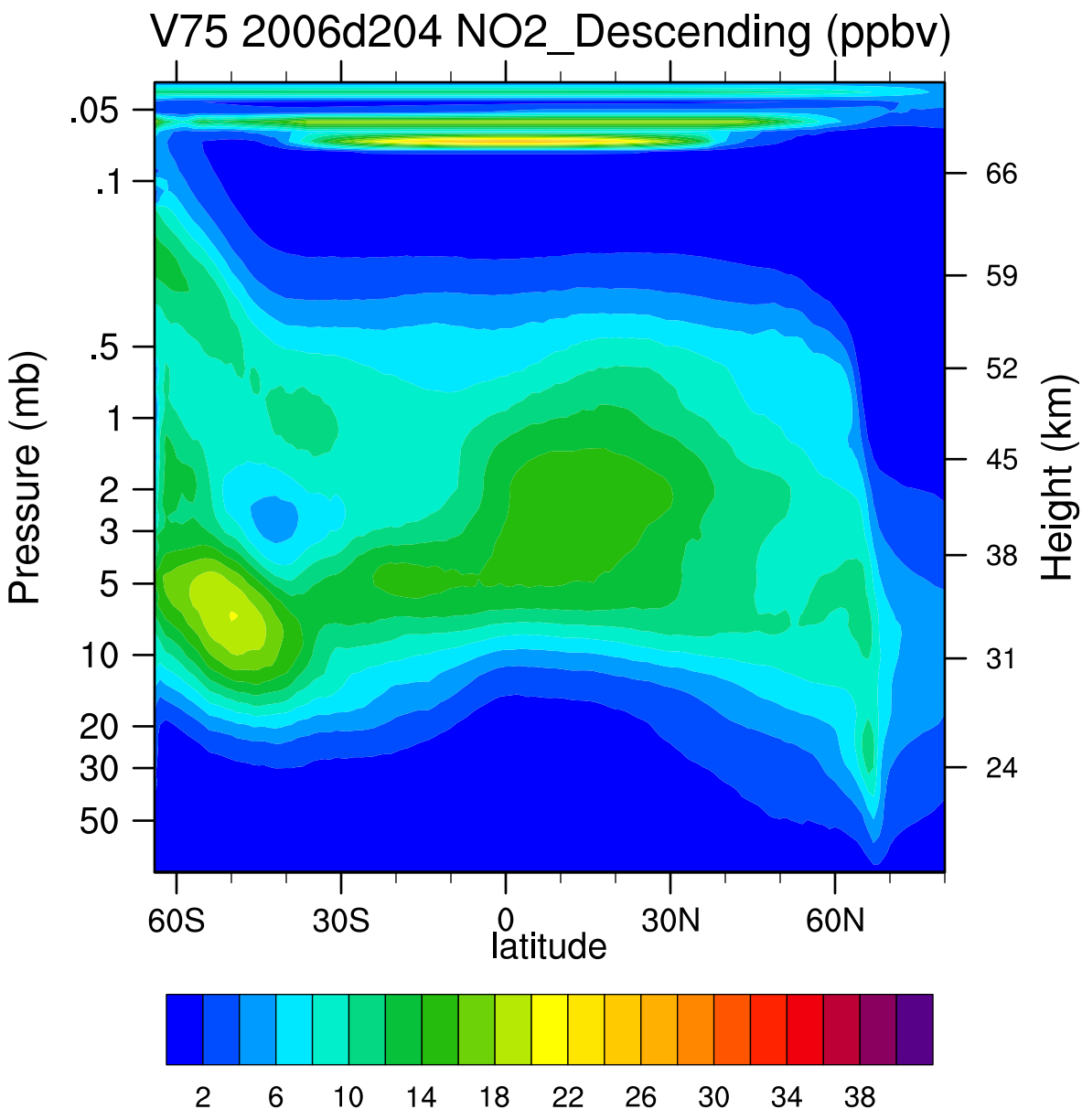
V75 2006d204 NO2_Descending (ppbv)
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Pressure (mb)
66
59
52
45
38
31
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Height (km)
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0
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60N
latitude
2
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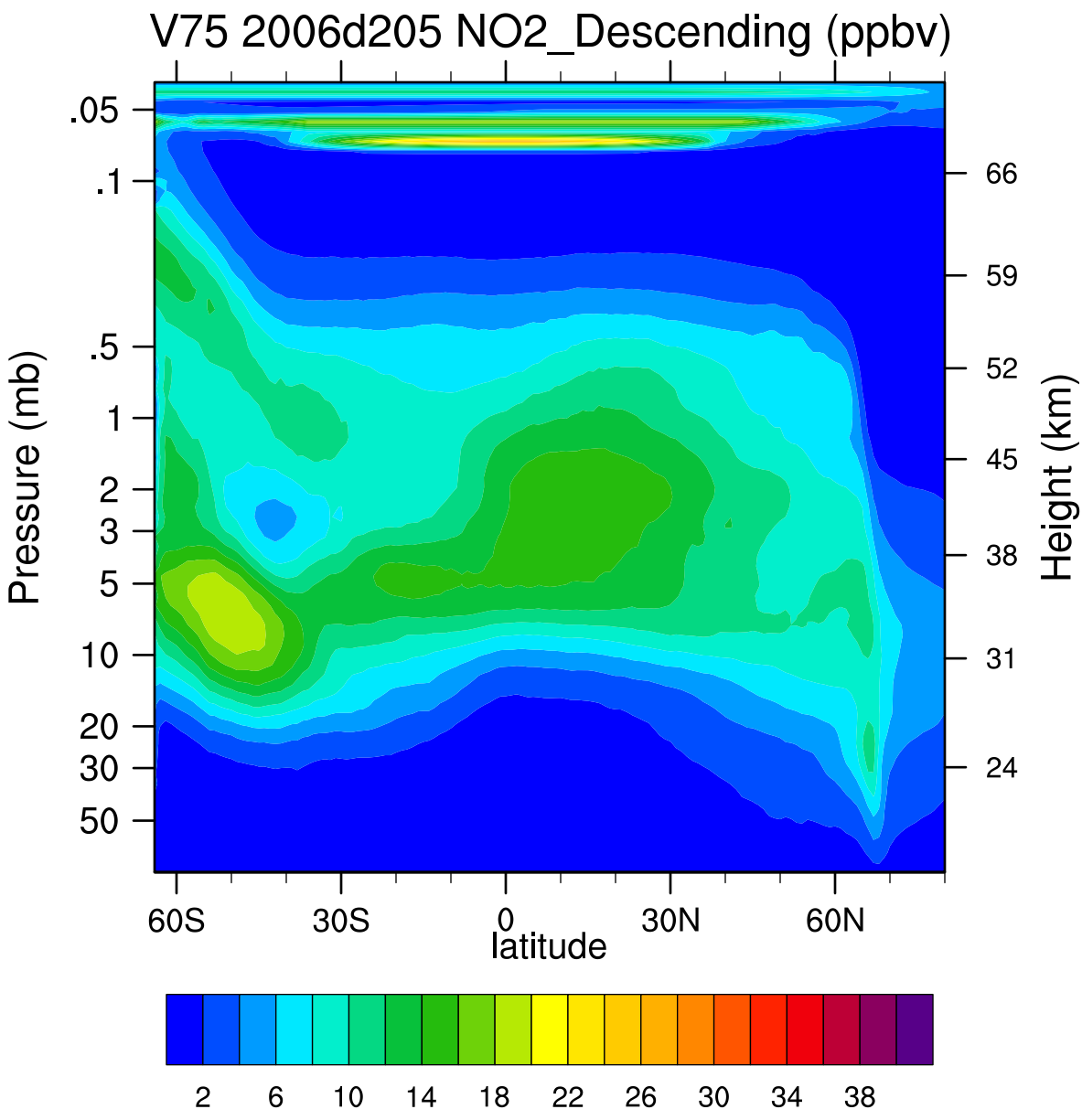
V75 2006d205 NO2_Descending (ppbv)
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Pressure (mb)
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59
52
45
38
31
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Height (km)
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30S
0
30N
60N
latitude
2
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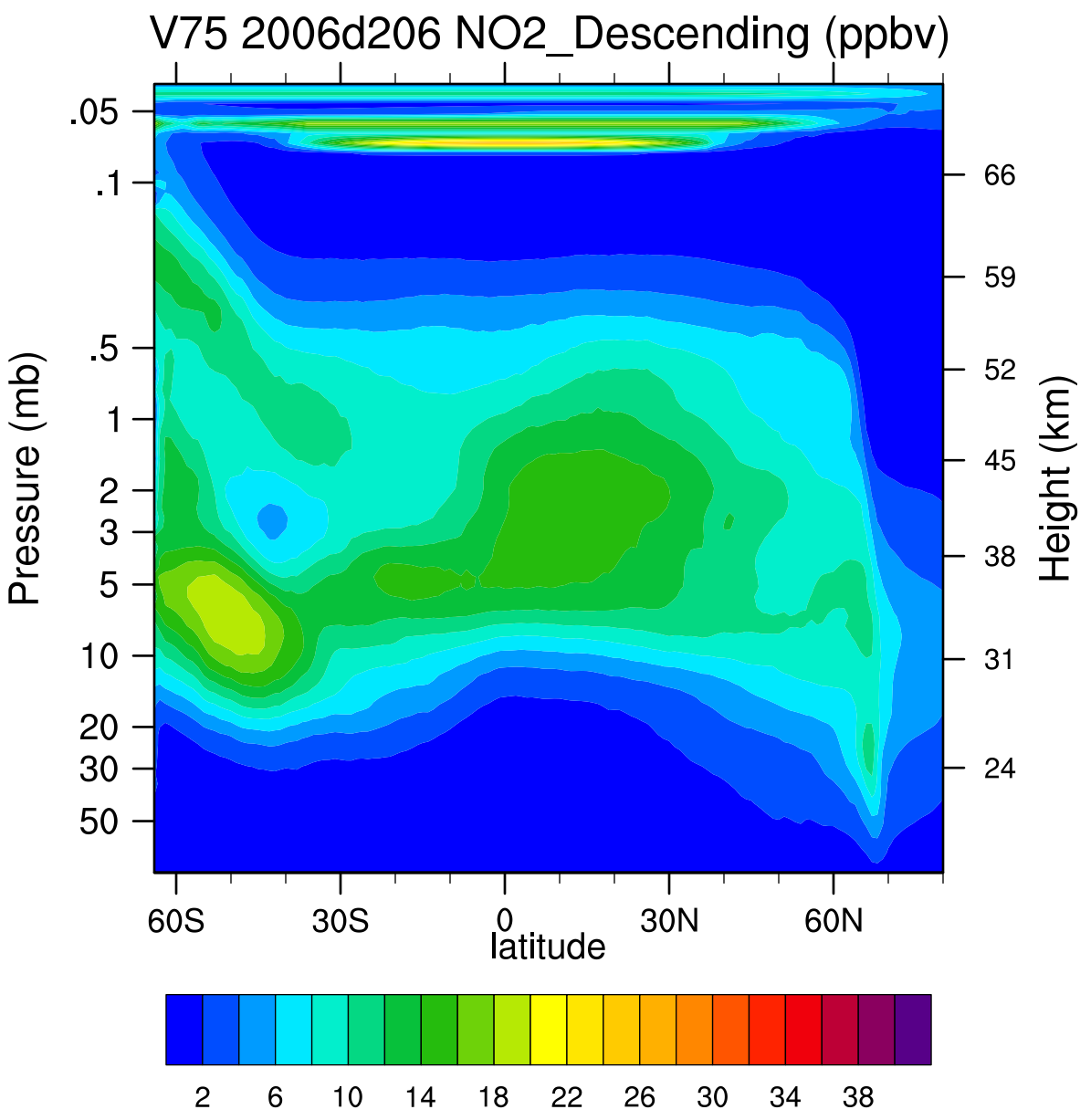
V75 2006d206 NO2_Descending (ppbv)
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Pressure (mb)
66
59
52
45
38
31
24
Height (km)
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30S
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60N
latitude
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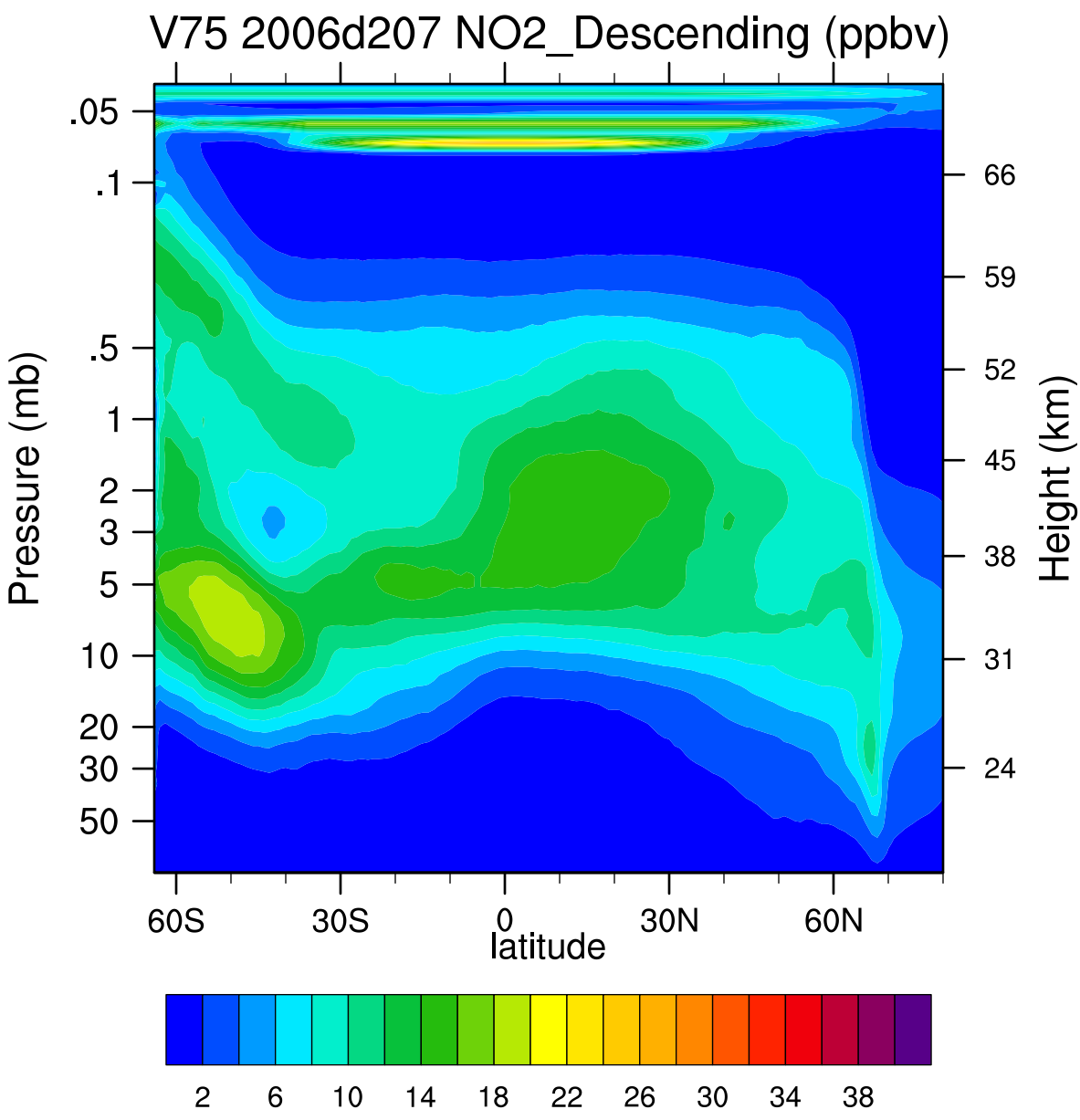
V75 2006d207 NO2_Descending (ppbv)
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.5
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20
30
50
Pressure (mb)
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59
52
45
38
31
24
Height (km)
60S
30S
0
30N
60N
latitude
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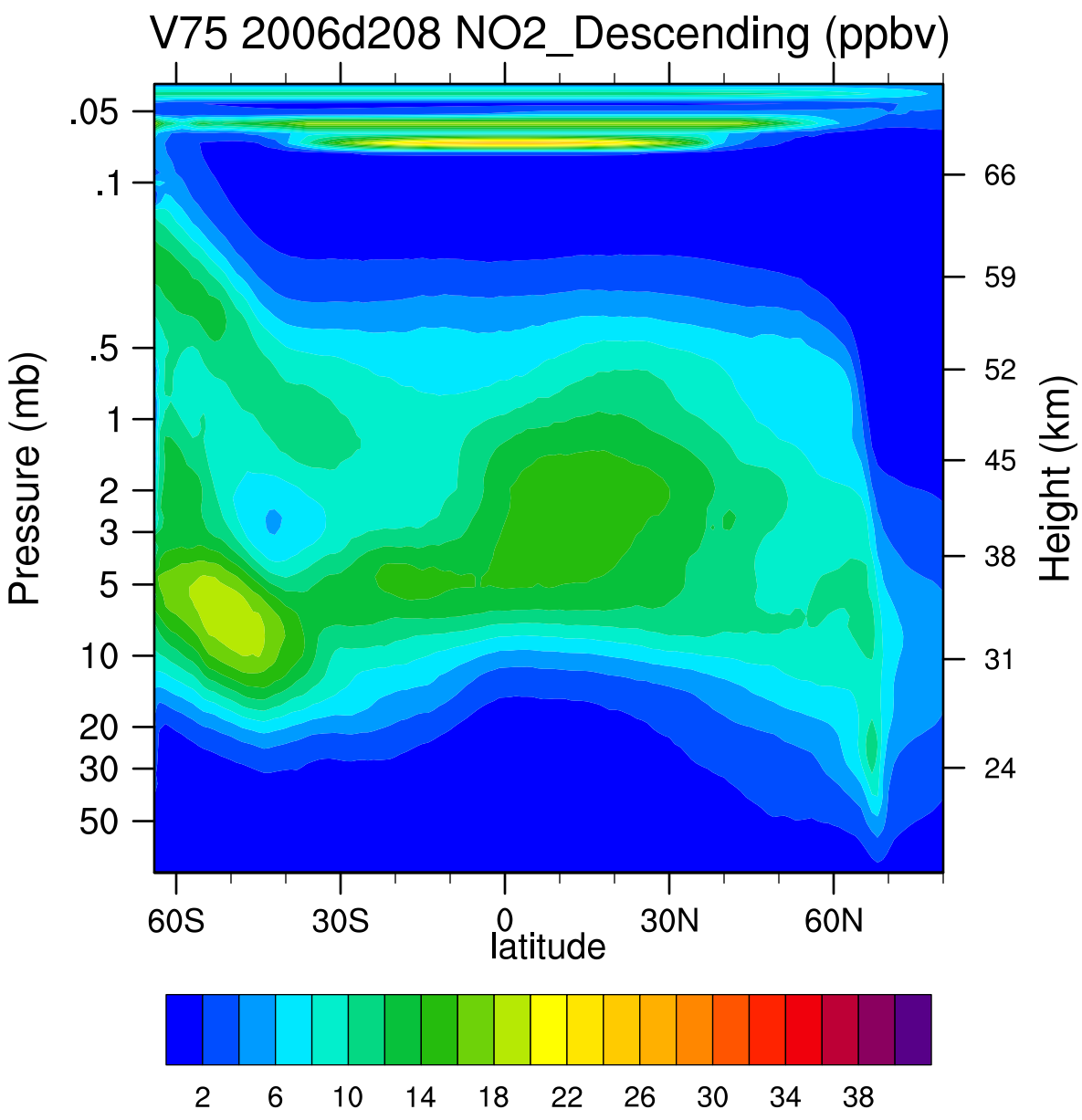
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.1
.5
1
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3
5
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30
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Pressure (mb)
66
59
52
45
38
31
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Height (km)
60S
30S
0
30N
60N
latitude
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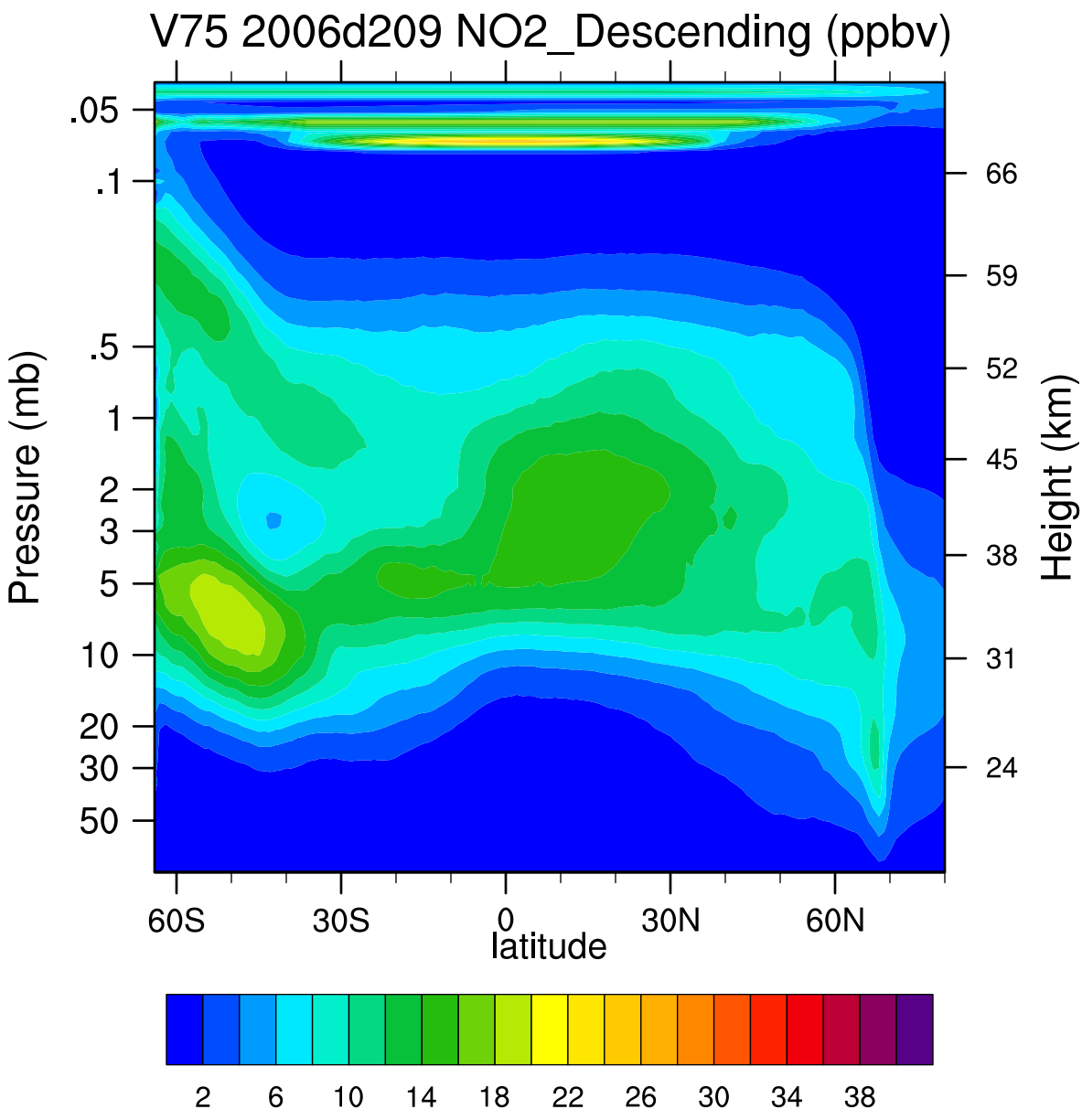
V75 2006d209 NO2_Descending (ppbv)
Pressure (mb)
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3
5
10
20
30
50
Height (km)
66
59
52
45
38
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30S
0
30N
60N
latitude
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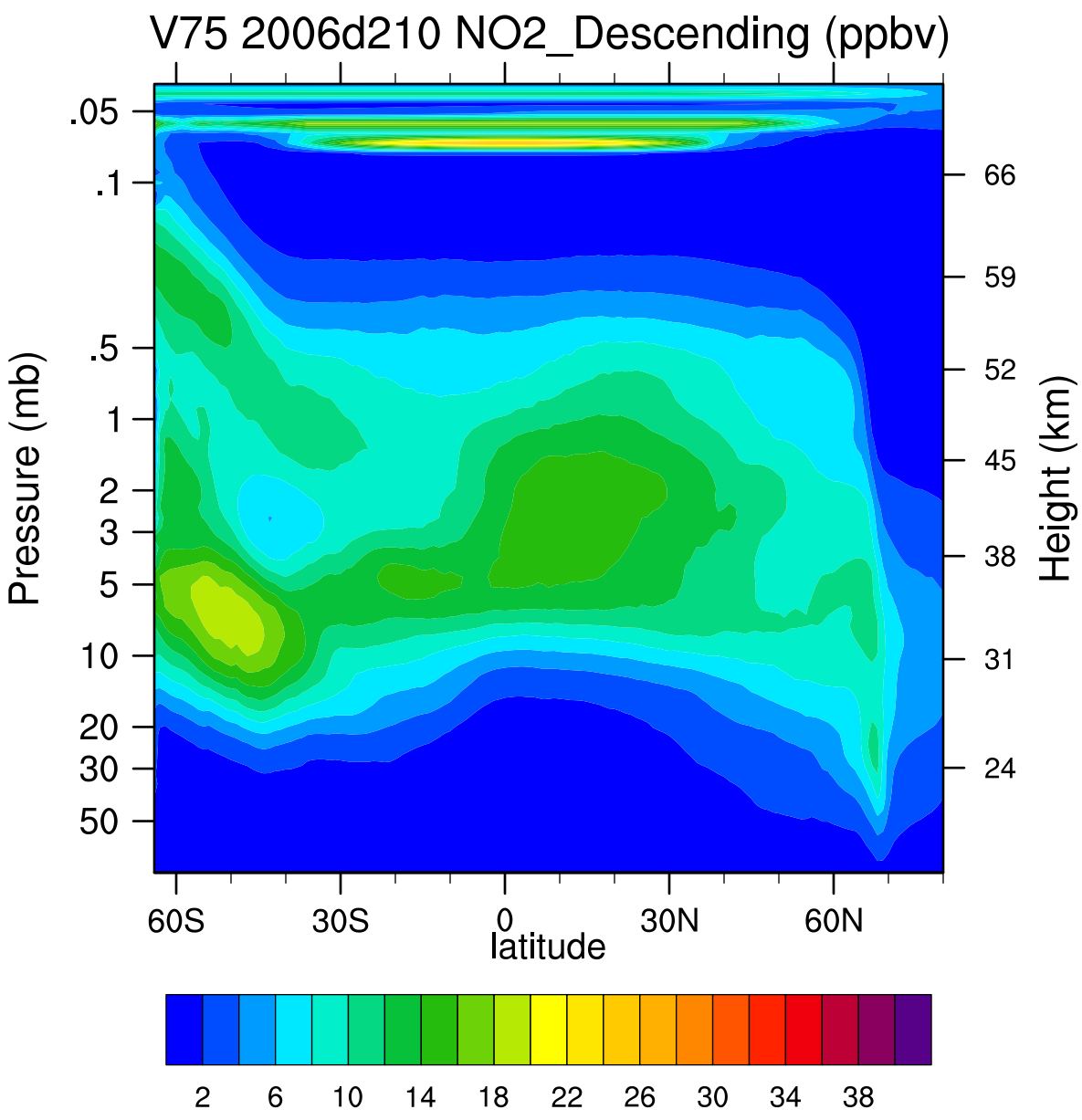
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Pressure (mb)
66
59
52
45
38
31
24
Height (km)
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30S
0
30N
60N
latitude
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26
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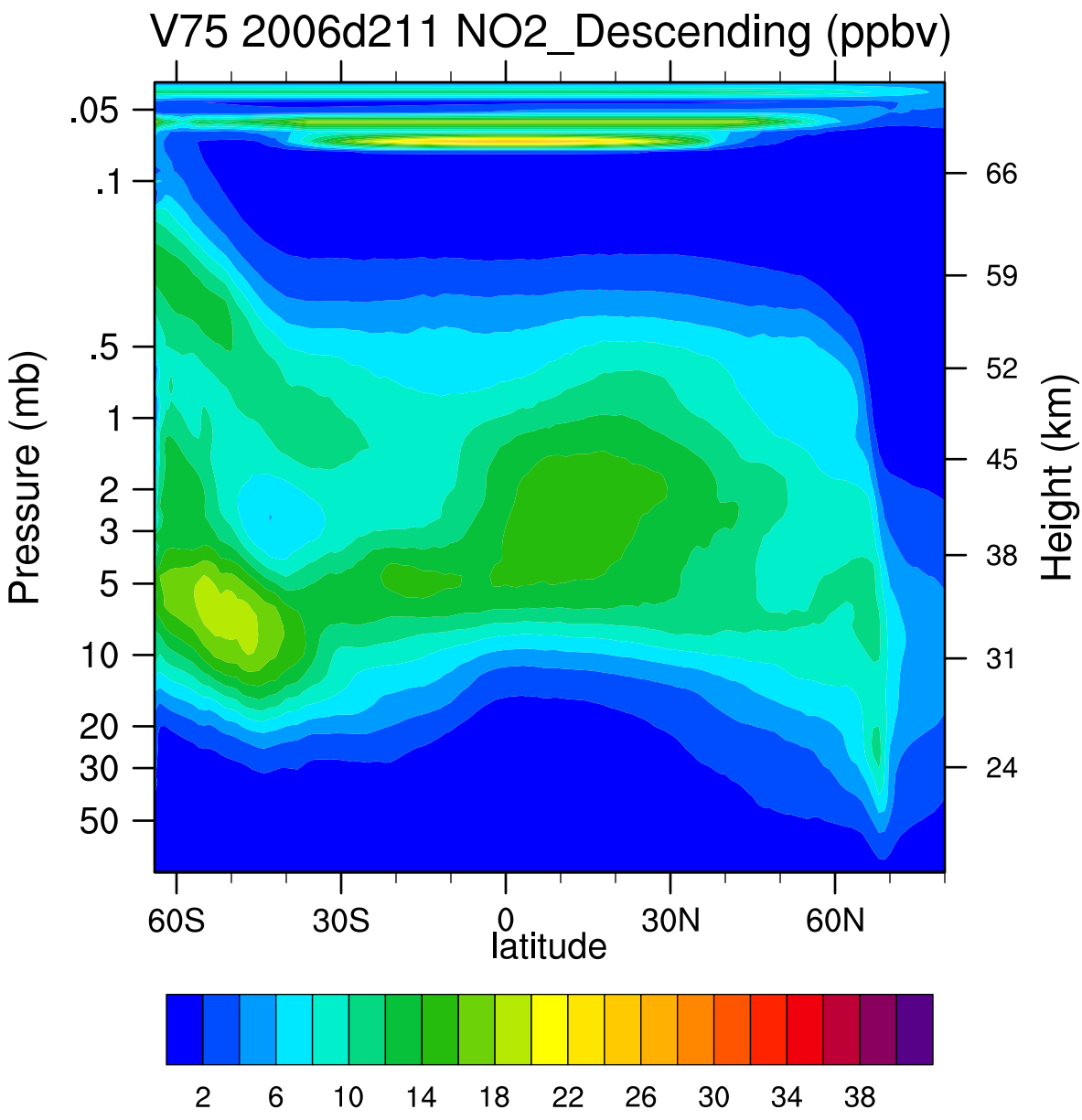
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Pressure (mb)
66
59
52
45
38
31
24
Height (km)
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30S
0
30N
60N
latitude
2
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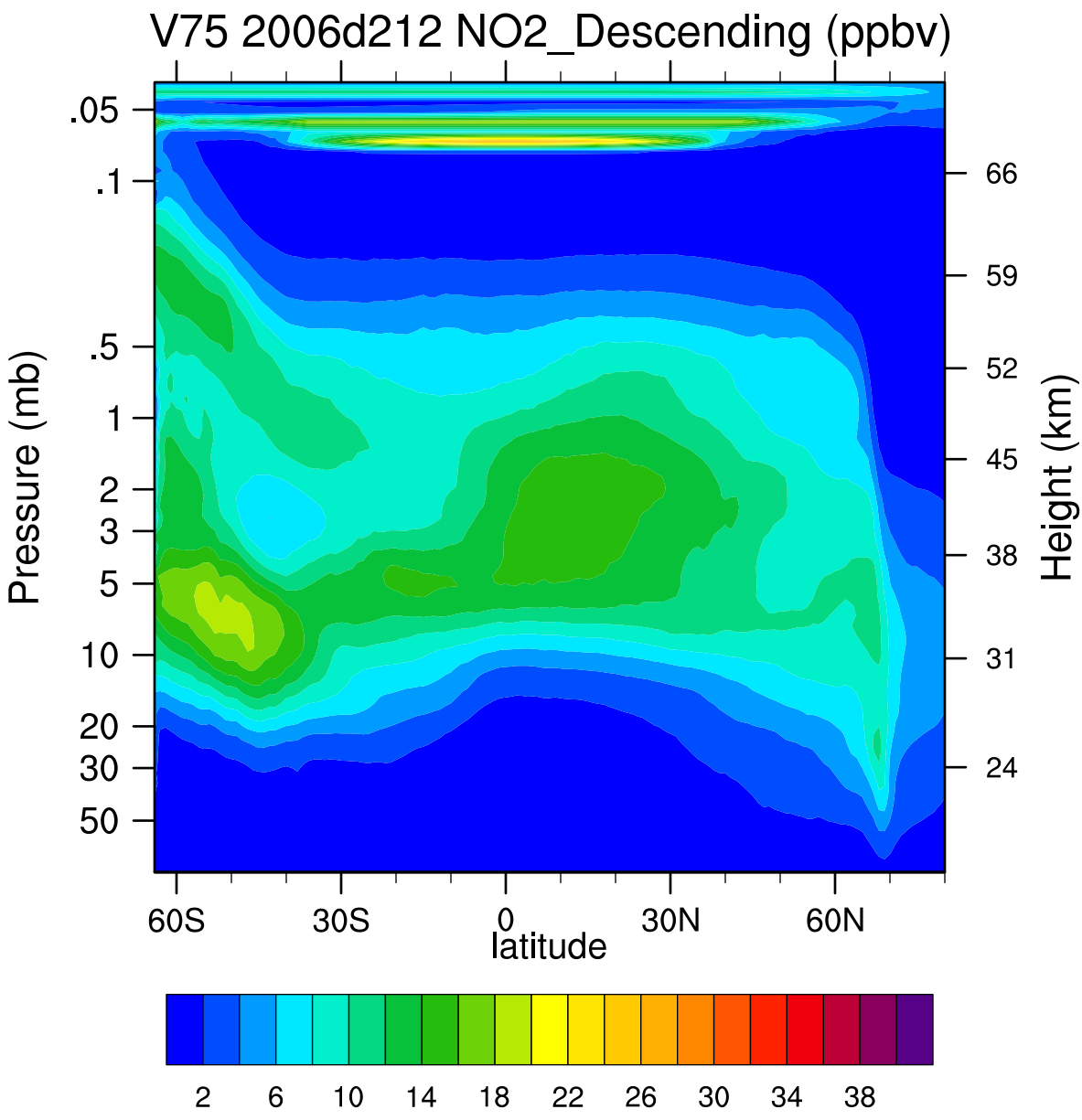
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Pressure (mb)
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38
31
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Height (km)
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30N
60N
latitude
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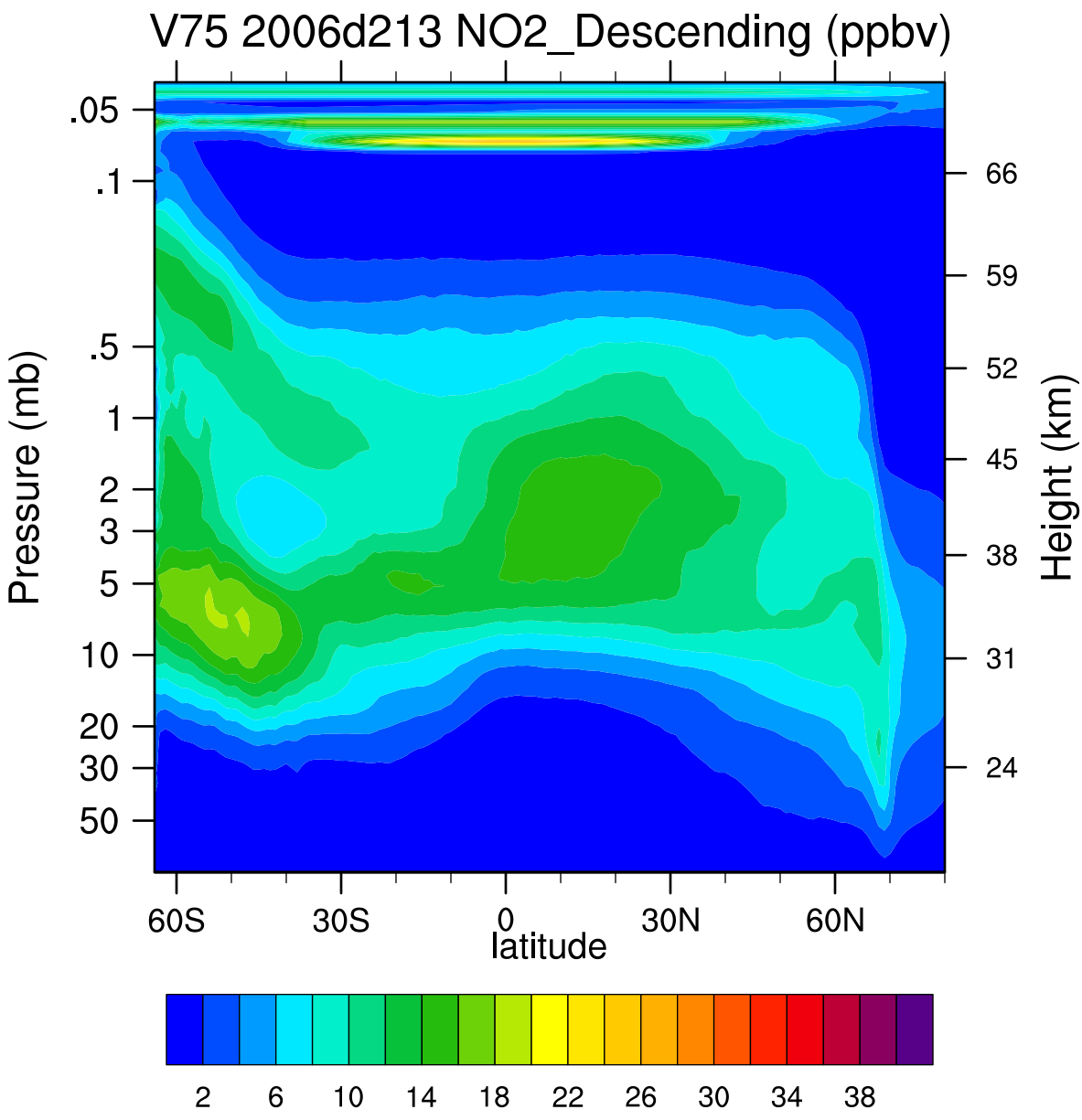
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Pressure (mb)
66
59
52
45
38
31
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Height (km)
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30S
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30N
60N
latitude
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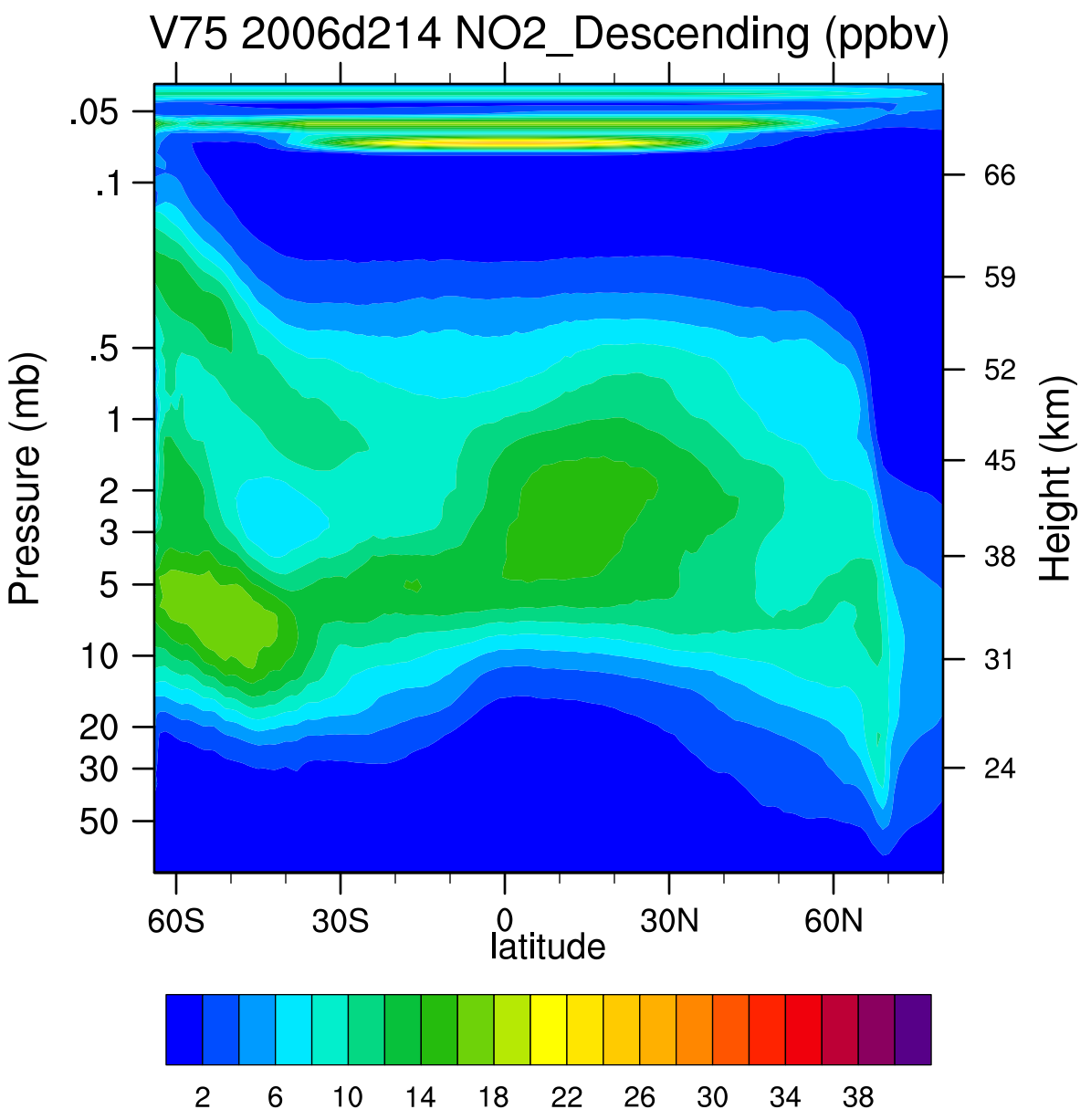
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Pressure (mb)
66
59
52
45
38
31
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Height (km)
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60N
latitude
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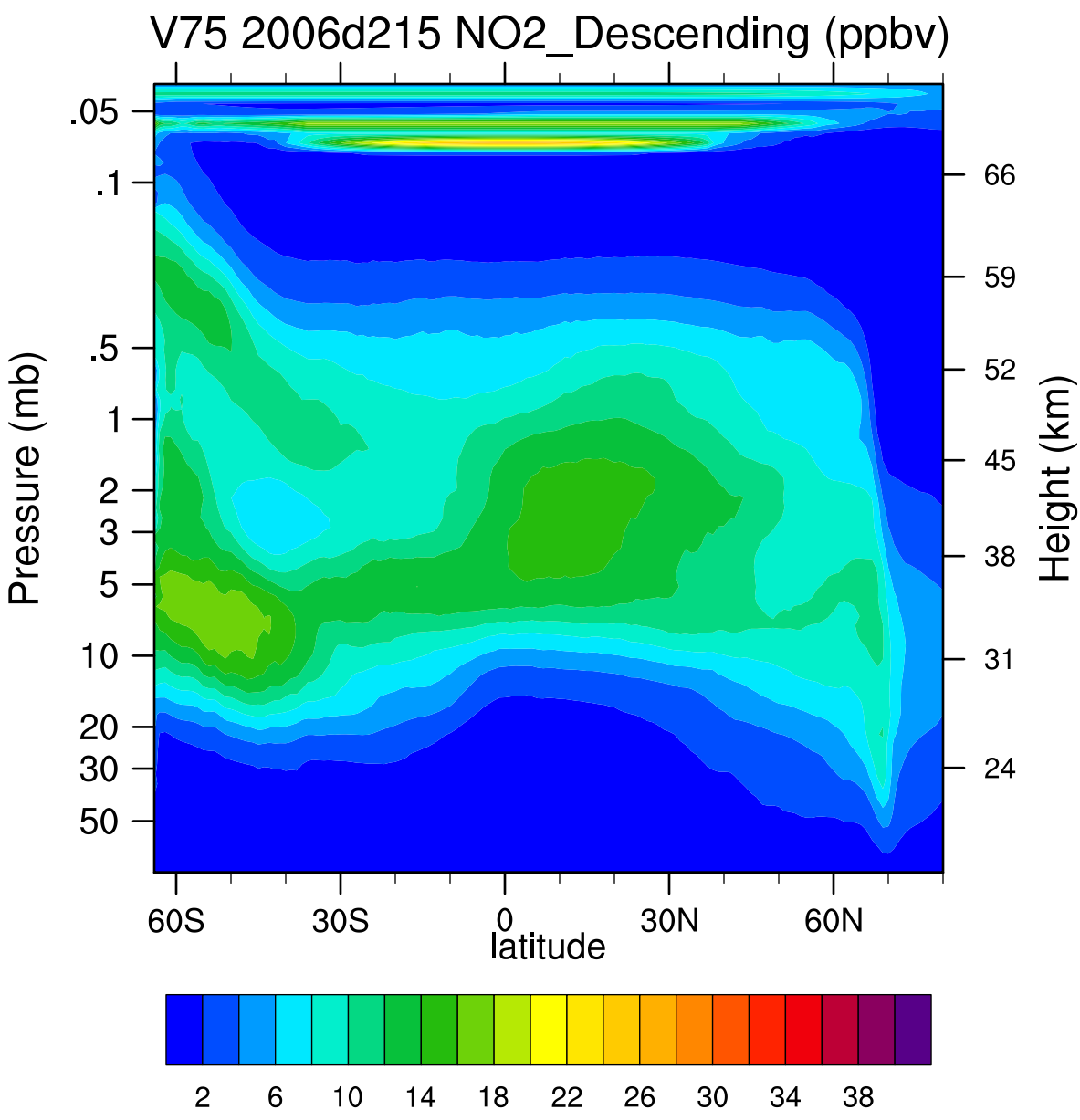
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Pressure (mb)
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52
45
38
31
24
Height (km)
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30S
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30N
60N
latitude
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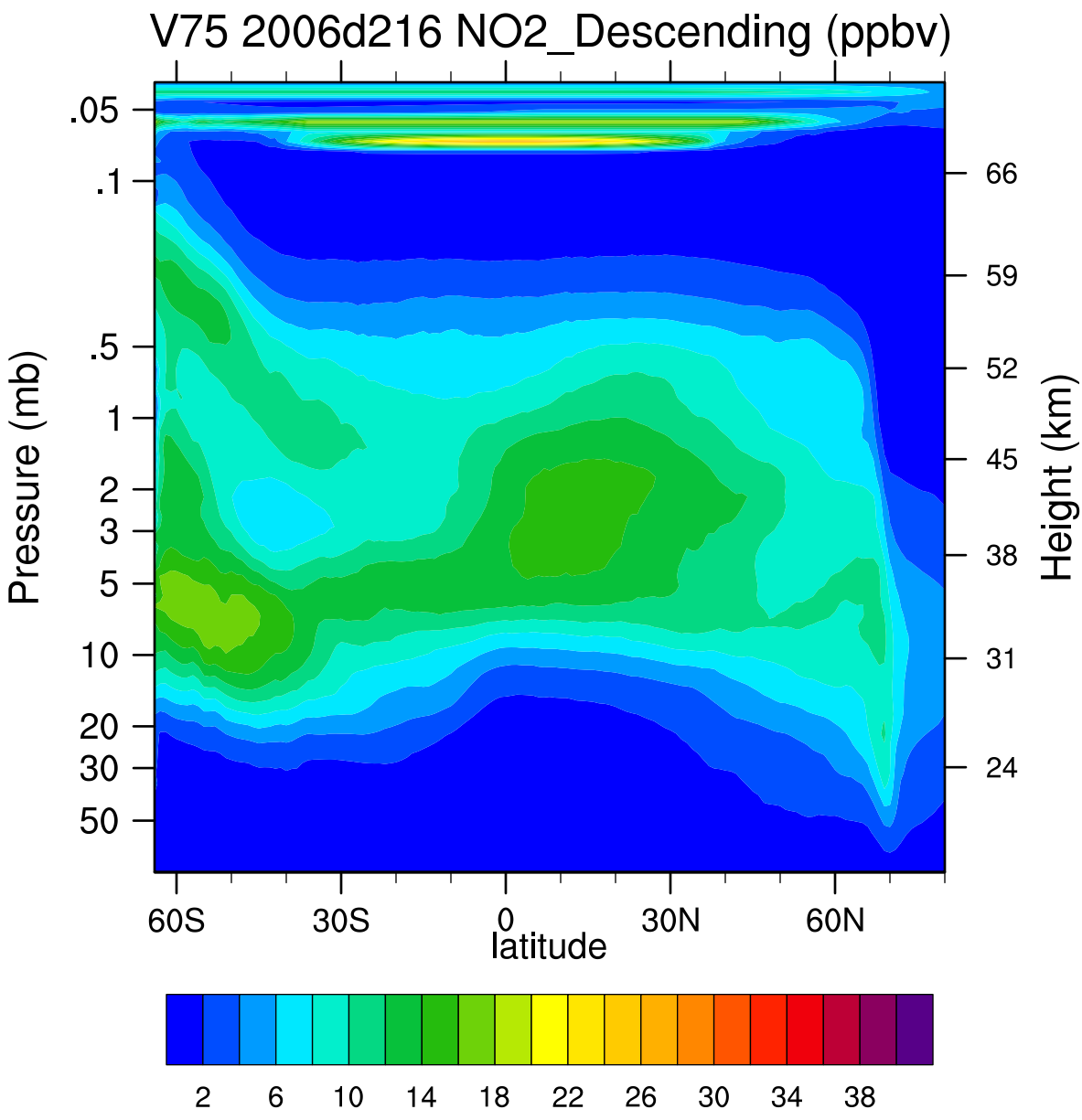
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Pressure (mb)
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30
50
Height (km)
66
59
52
45
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24
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30S
0
30N
60N
latitude
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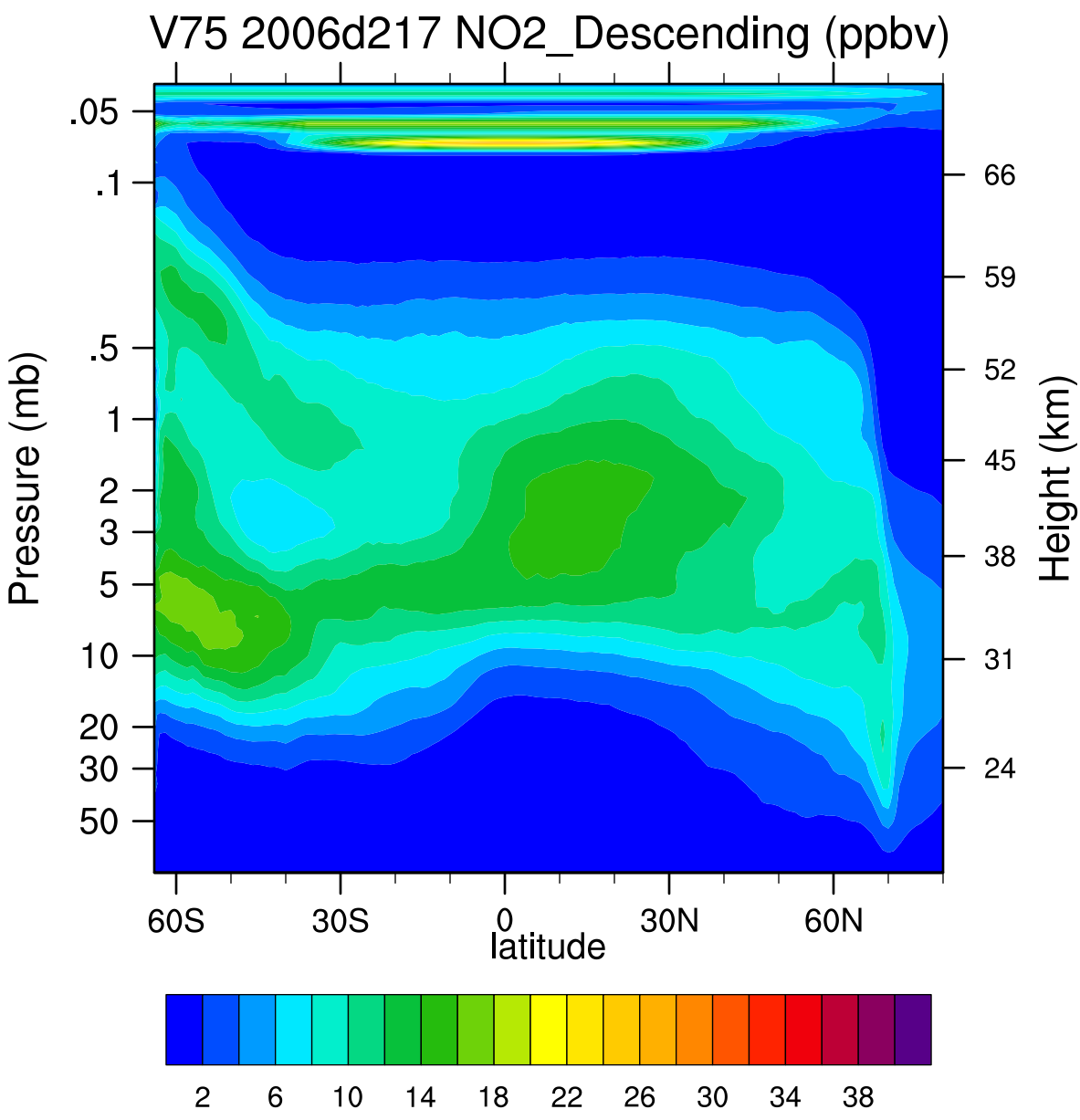
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Pressure (mb)
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59
52
45
38
31
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Height (km)
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30S
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30N
60N
latitude
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26
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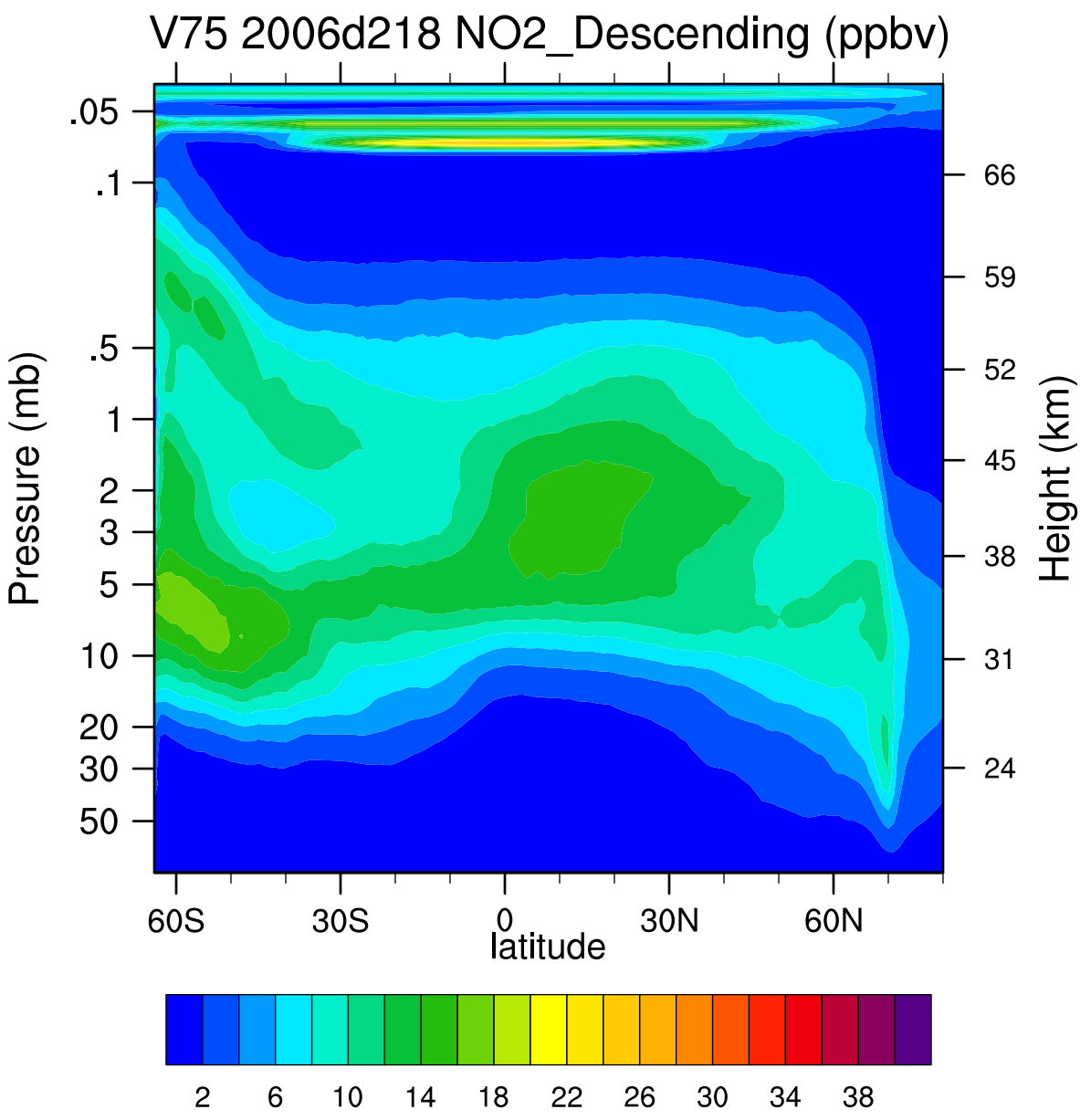
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Pressure (mb)
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Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
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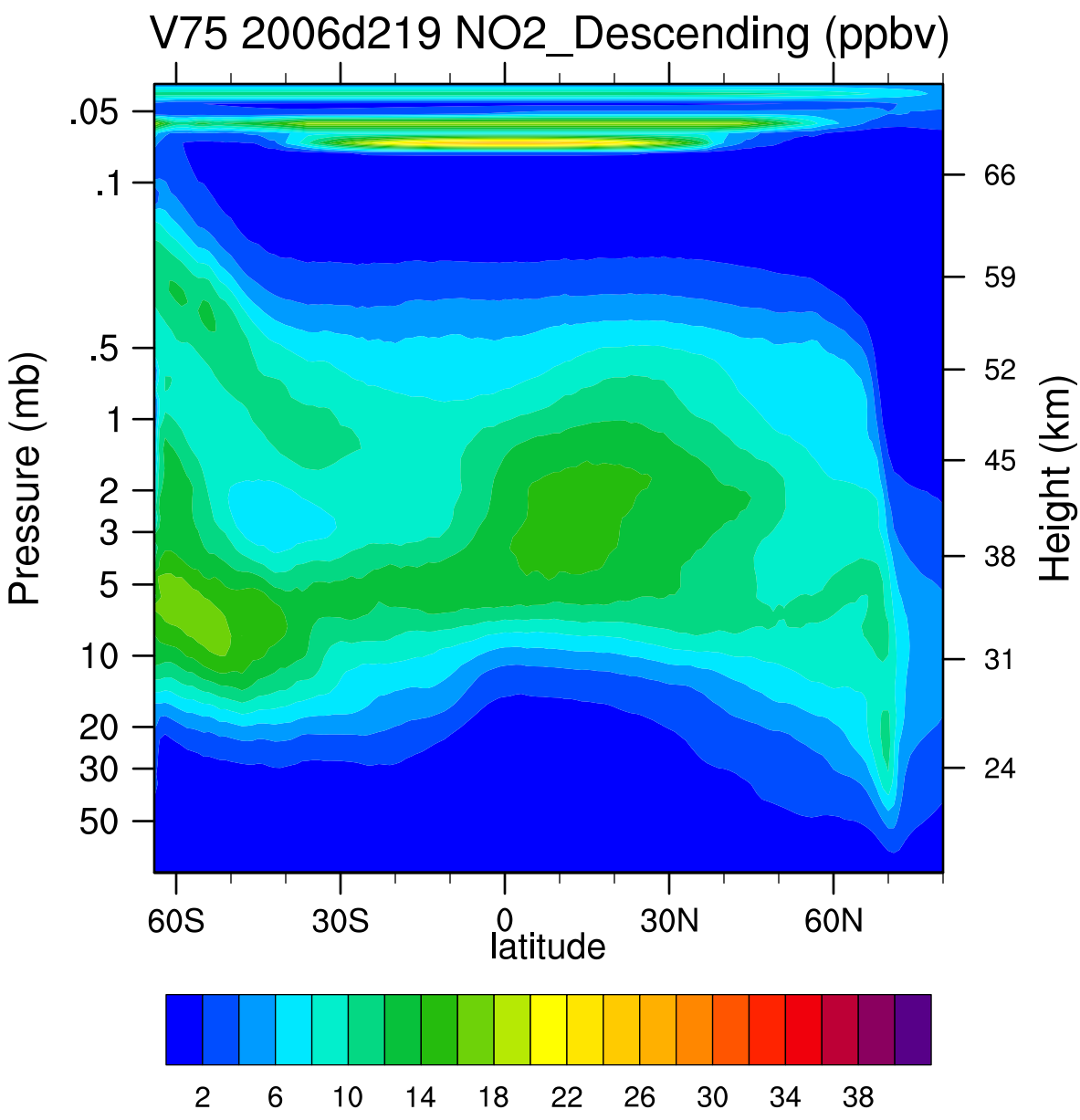
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Pressure (mb)
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2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
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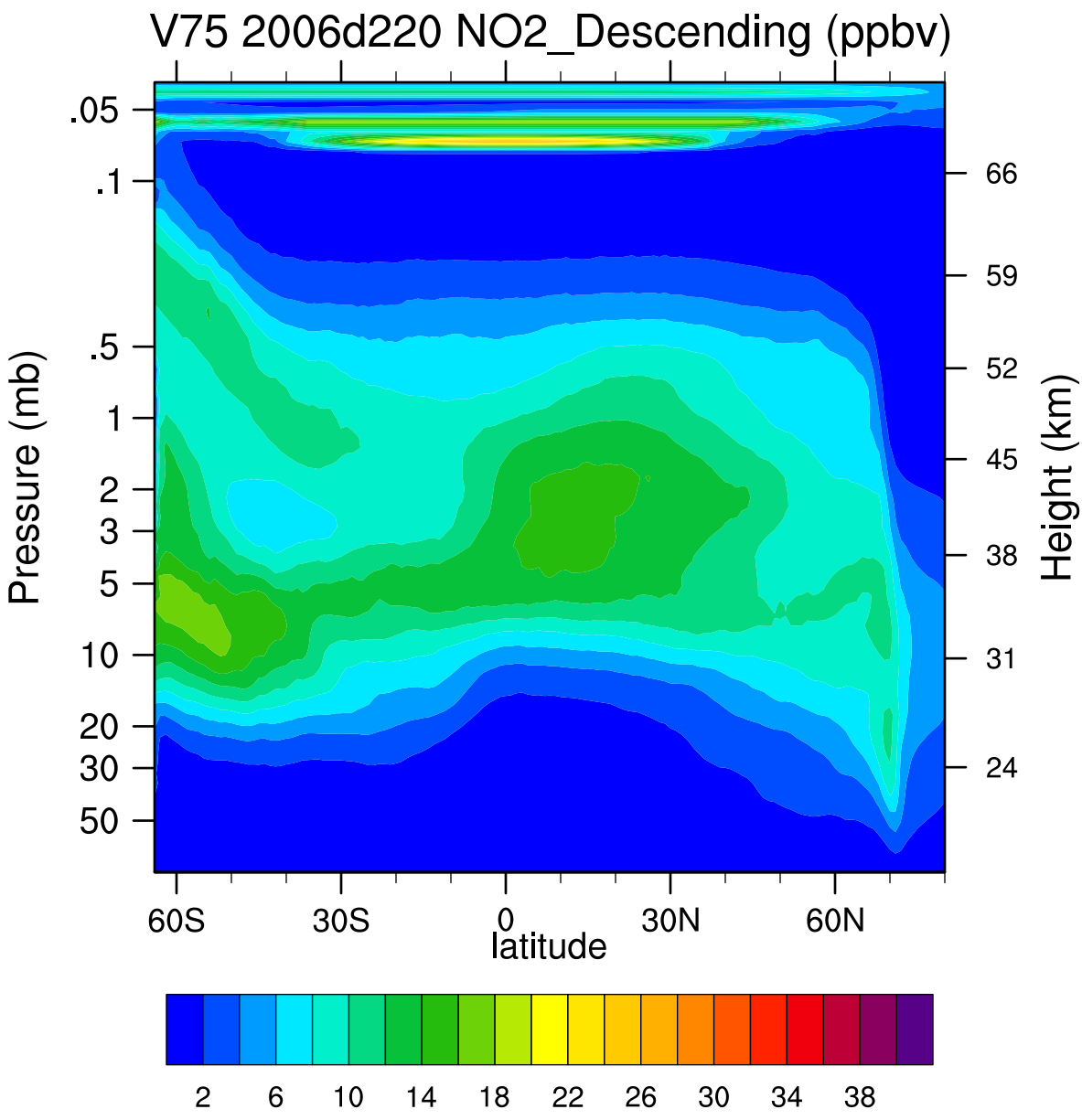
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Pressure (mb)
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Height (km)
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59
52
45
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30S
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60N
latitude
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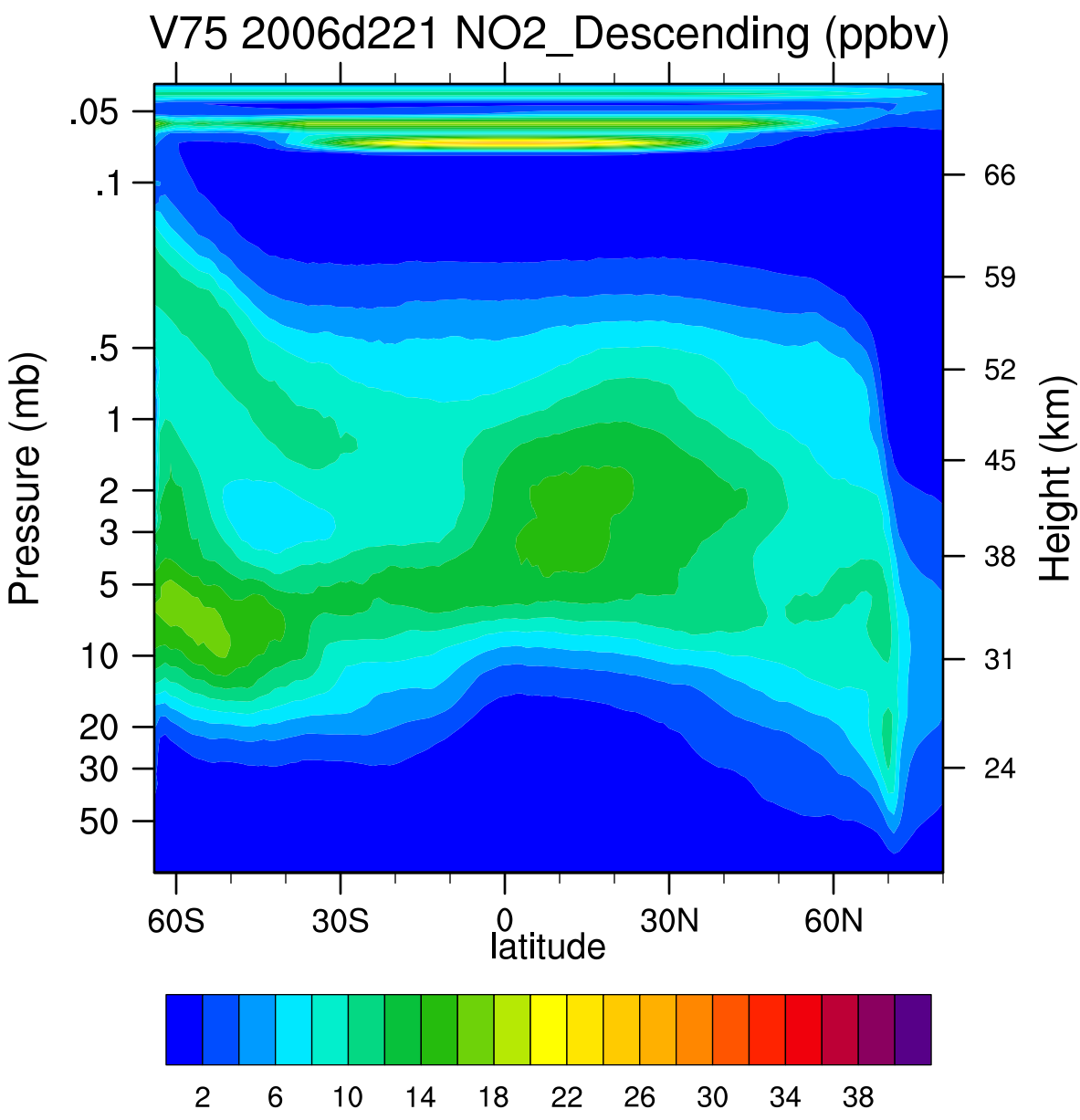
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Pressure (mb)
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52
45
38
31
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Height (km)
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30S
0
30N
60N
latitude
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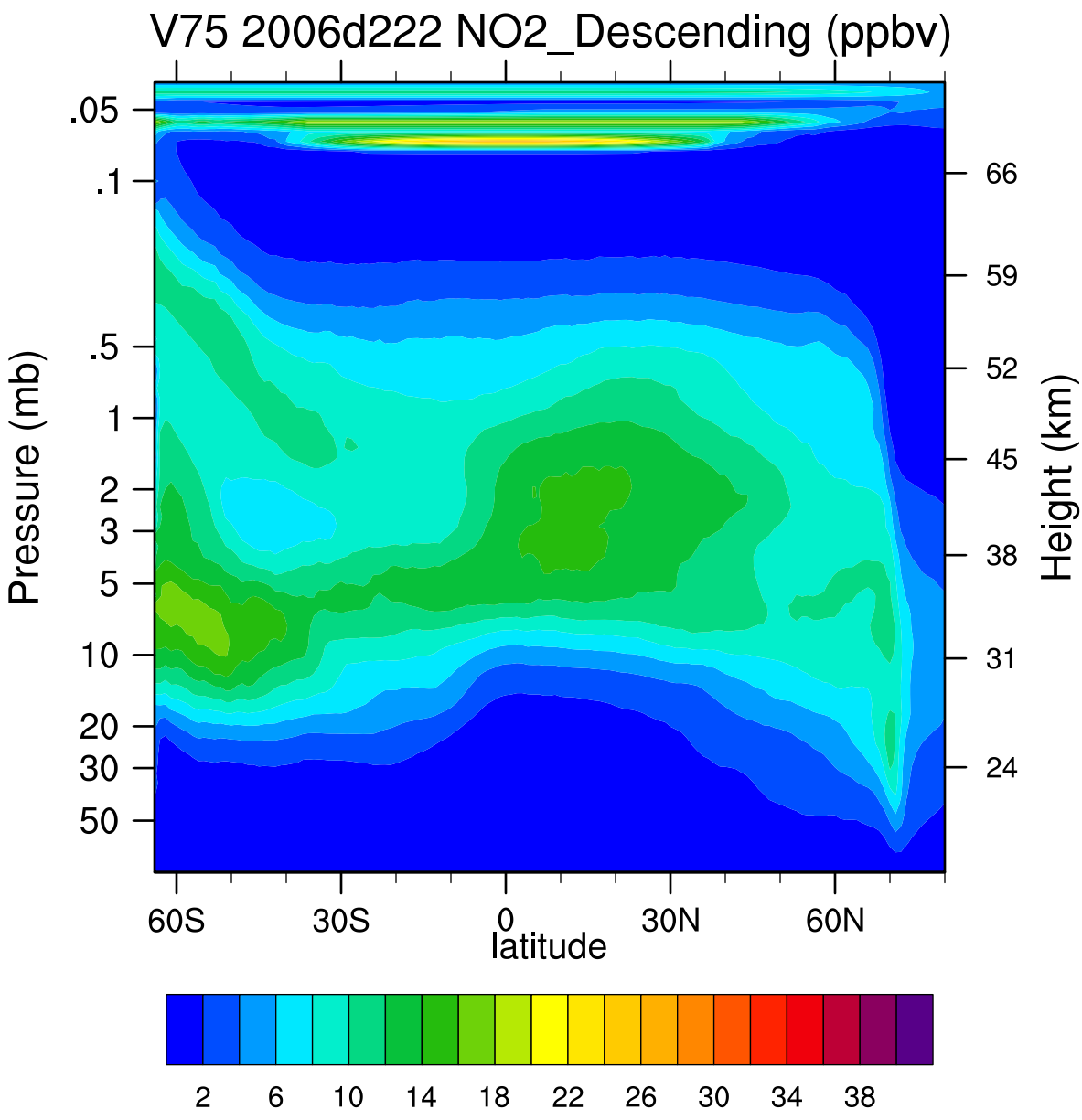
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Pressure (mb)
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45
38
31
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Height (km)
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60N
latitude
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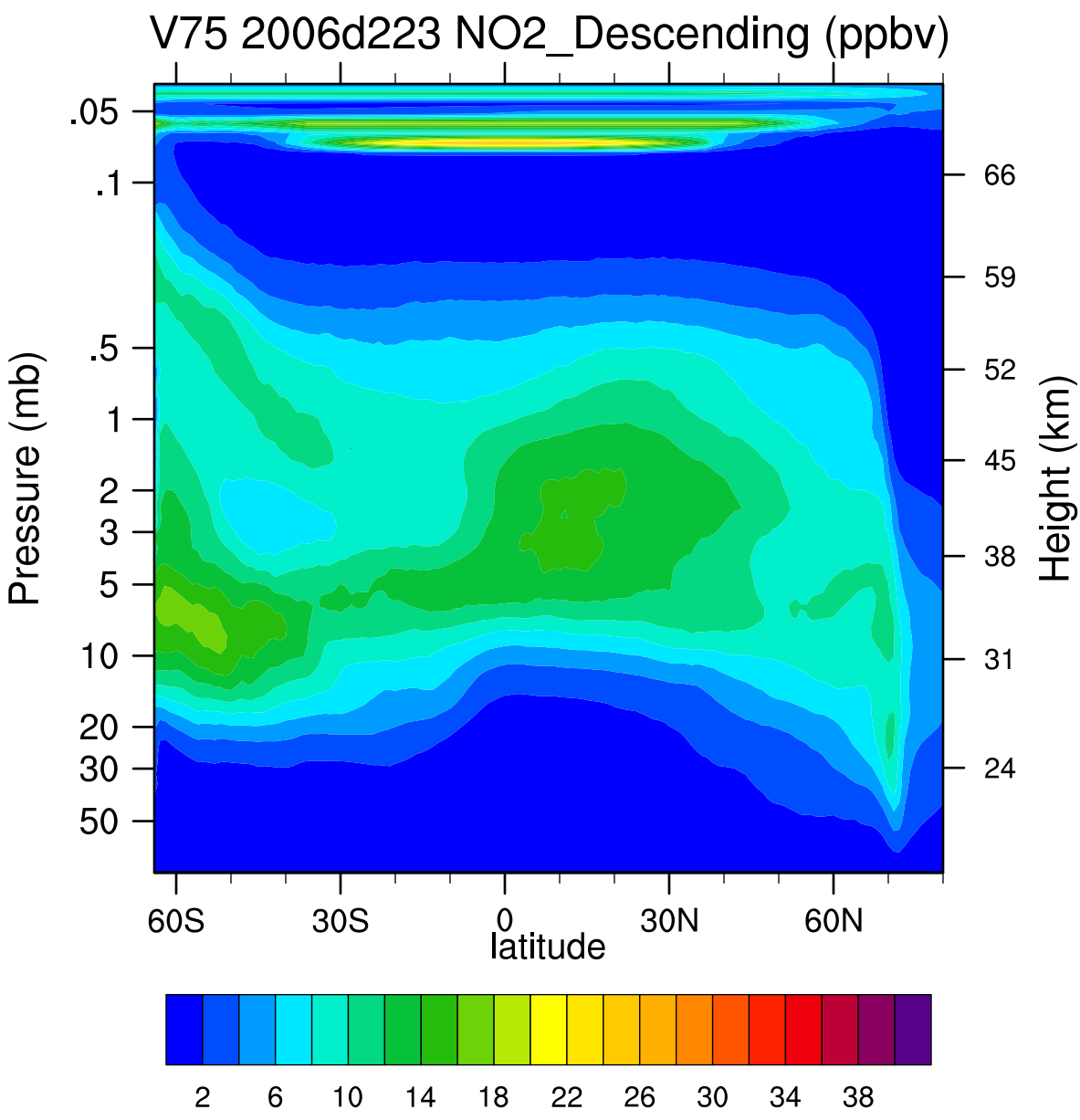
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Pressure (mb)
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59
52
45
38
31
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Height (km)
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30S
0
30N
60N
latitude
2
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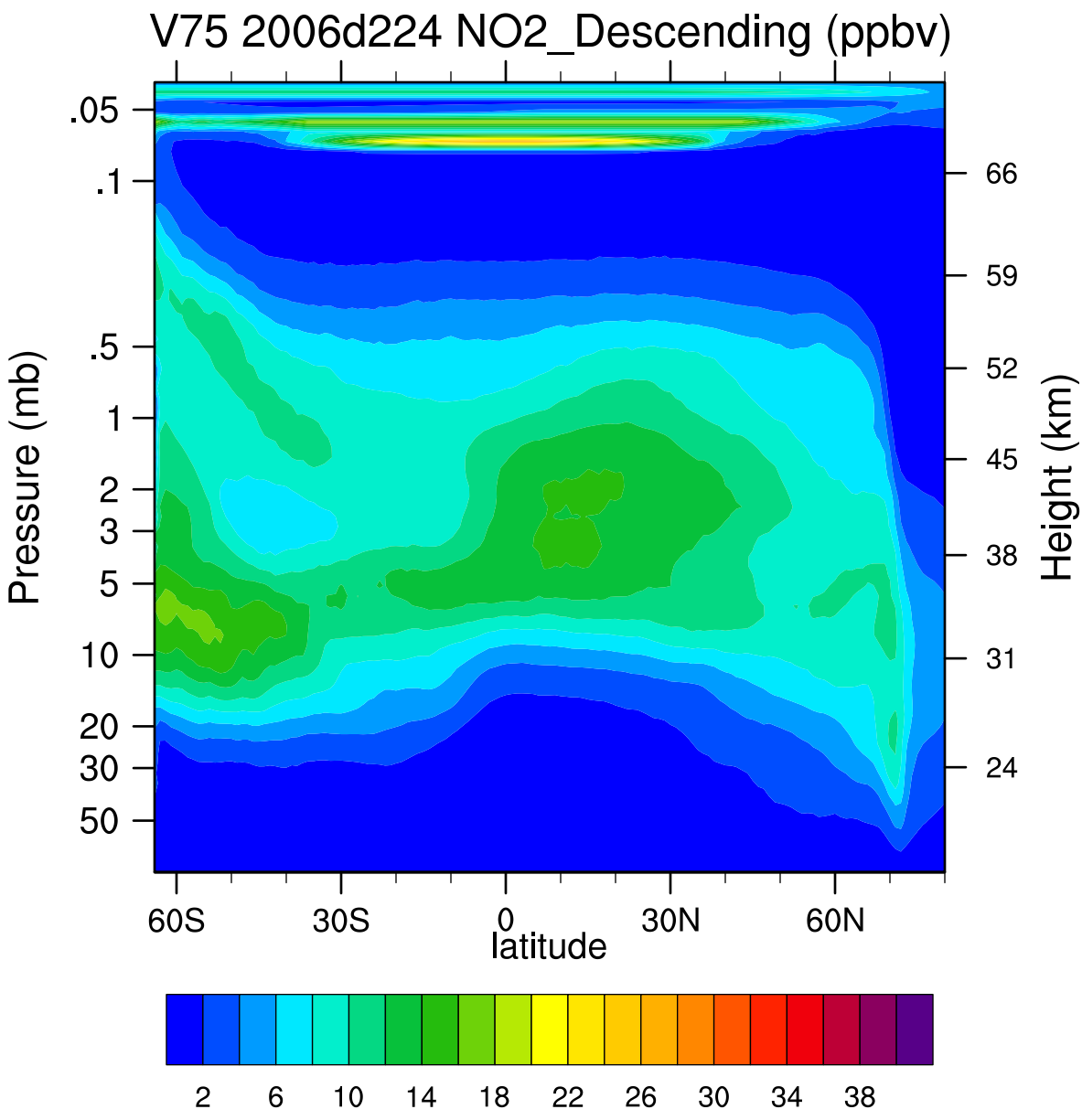
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Pressure (mb)
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52
45
38
31
24
Height (km)
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30S
0
30N
60N
latitude
2
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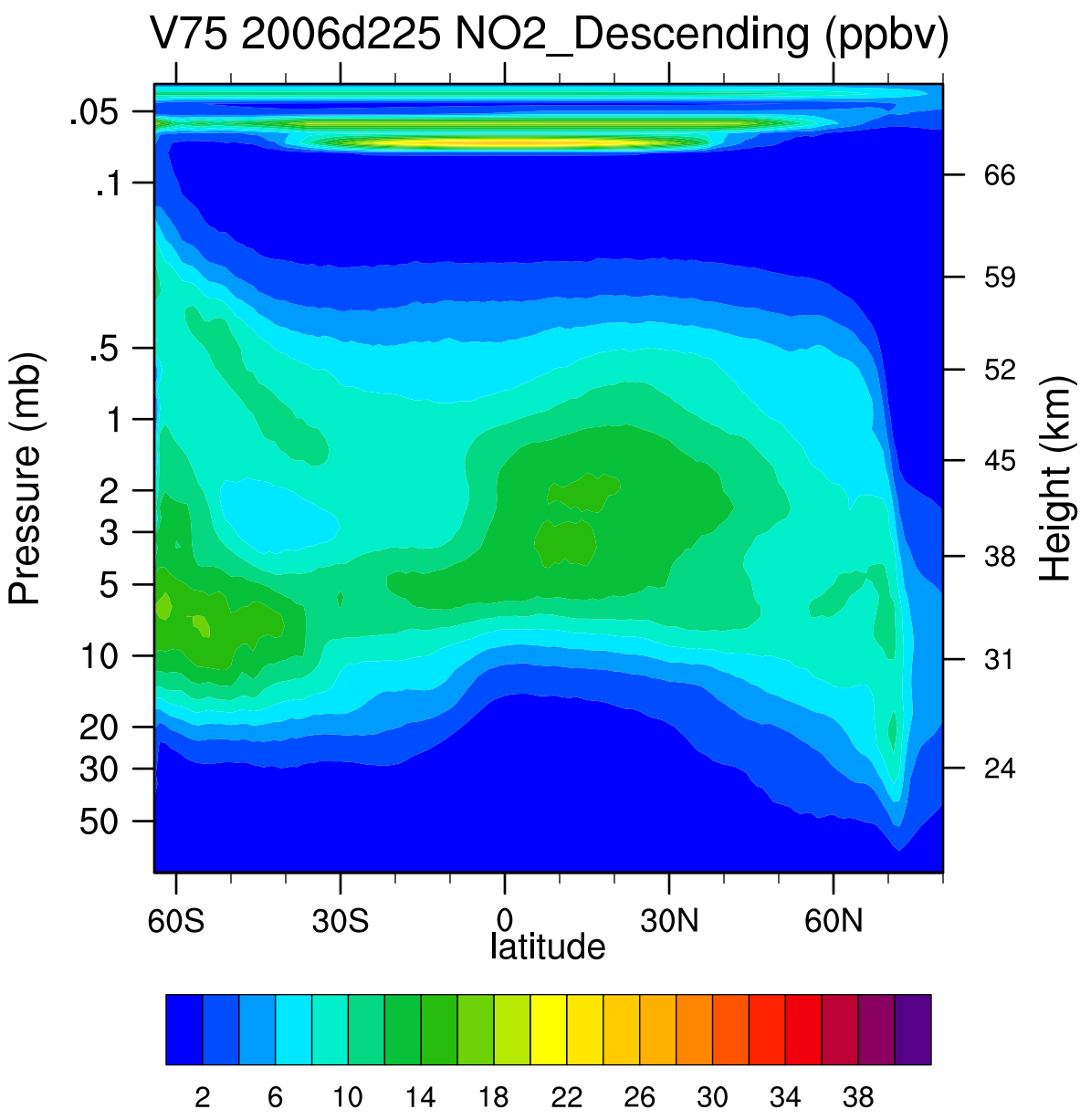
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Pressure (mb)
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38
31
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Height (km)
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30S
0
30N
60N
latitude
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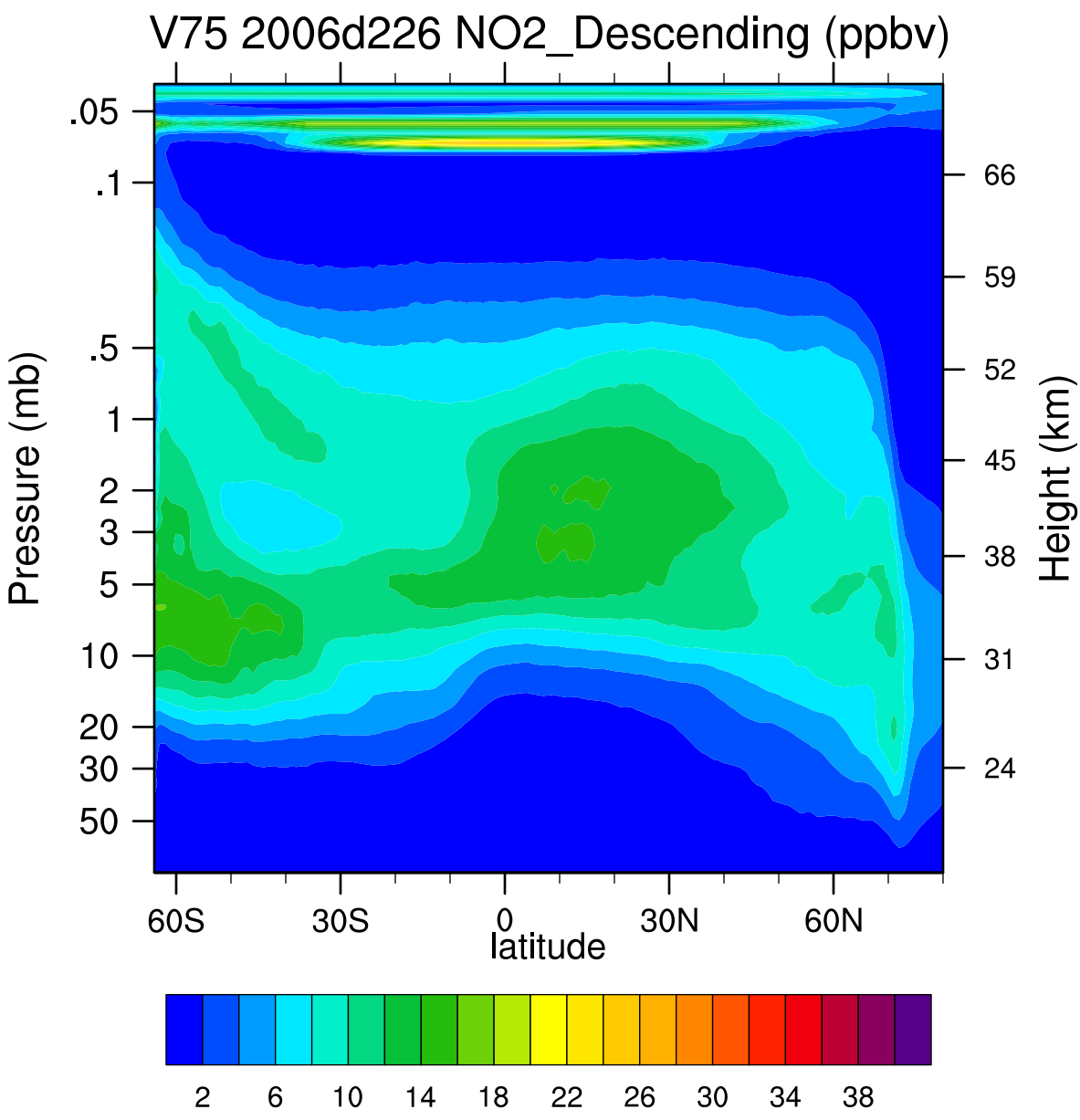
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Height (km)
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52
45
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60N
latitude
2
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26
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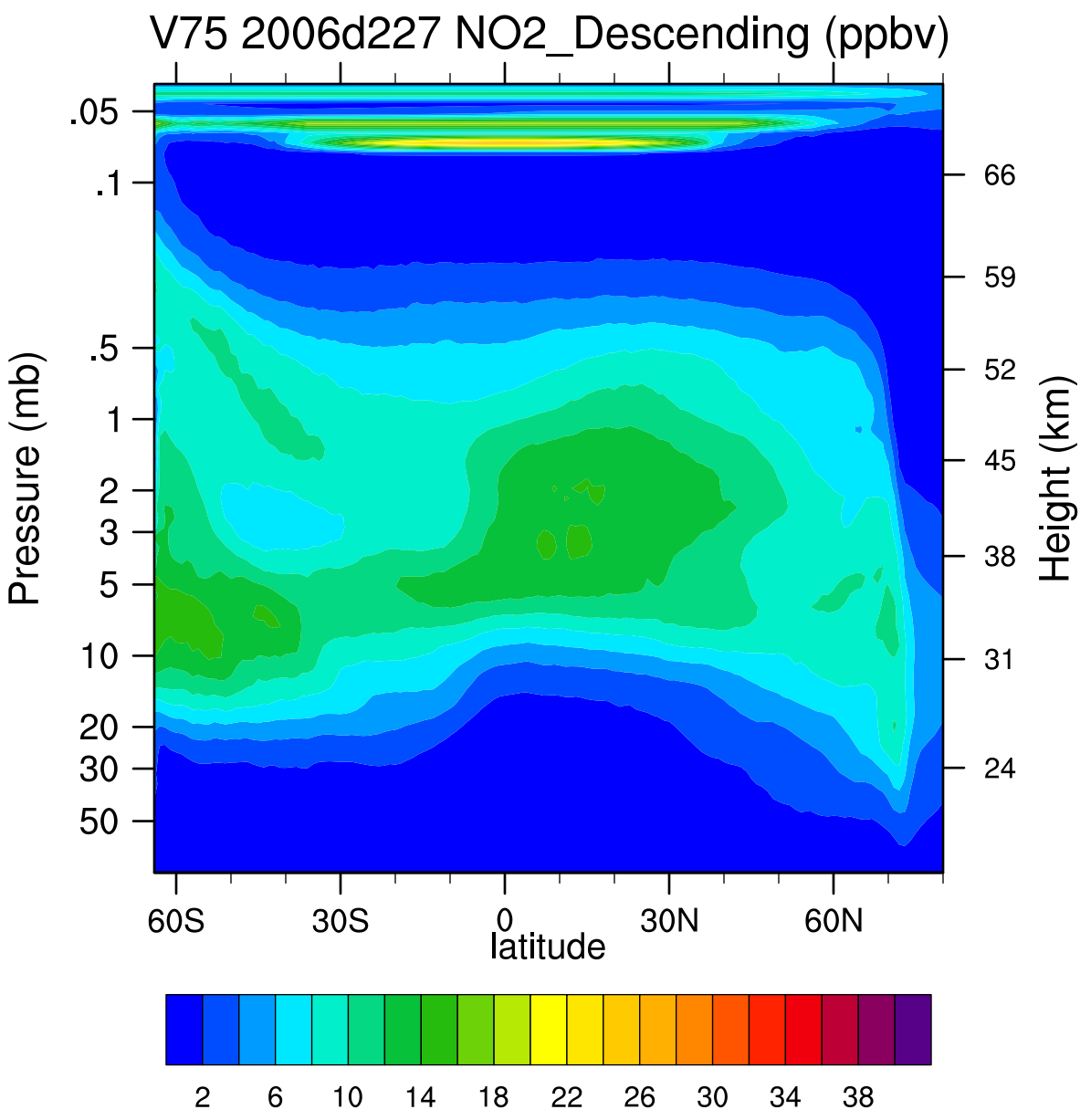
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Pressure (mb)
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45
38
31
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Height (km)
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30S
0
30N
60N
latitude
2
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26
30
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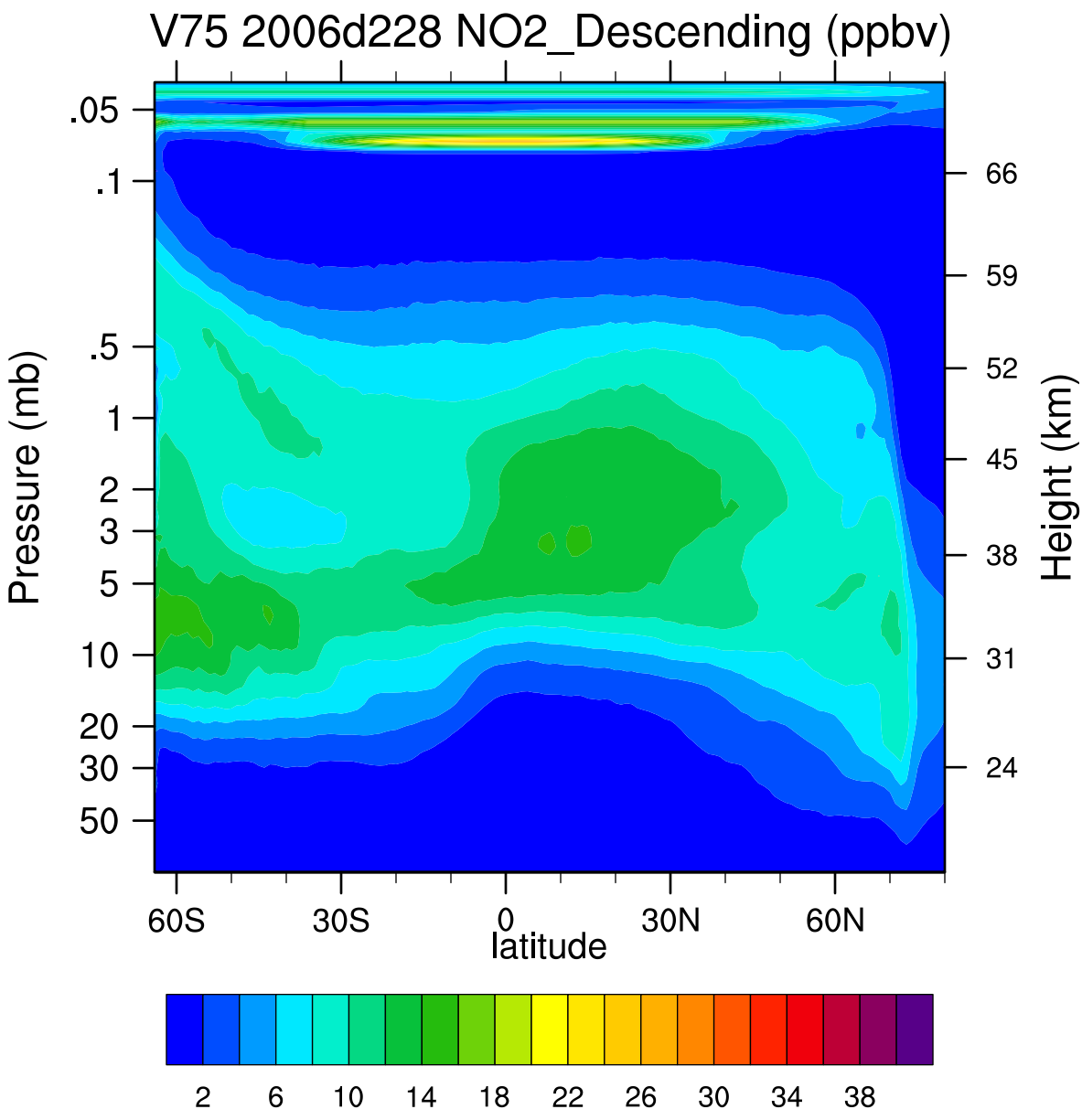
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Height (km)
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59
52
45
38
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24
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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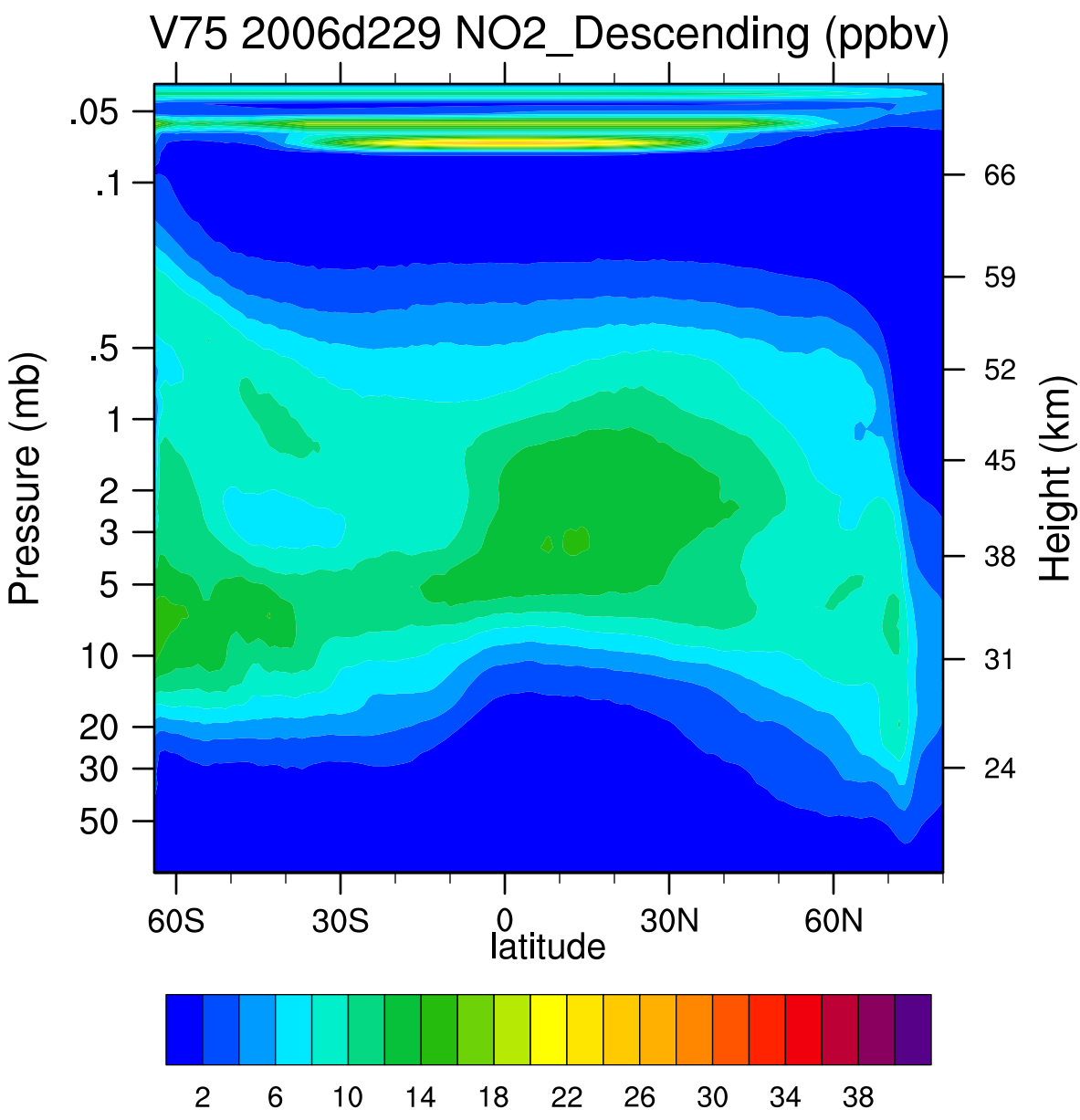
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.5
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20
30
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Pressure (mb)
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45
38
31
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Height (km)
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30S
0
30N
60N
latitude
2
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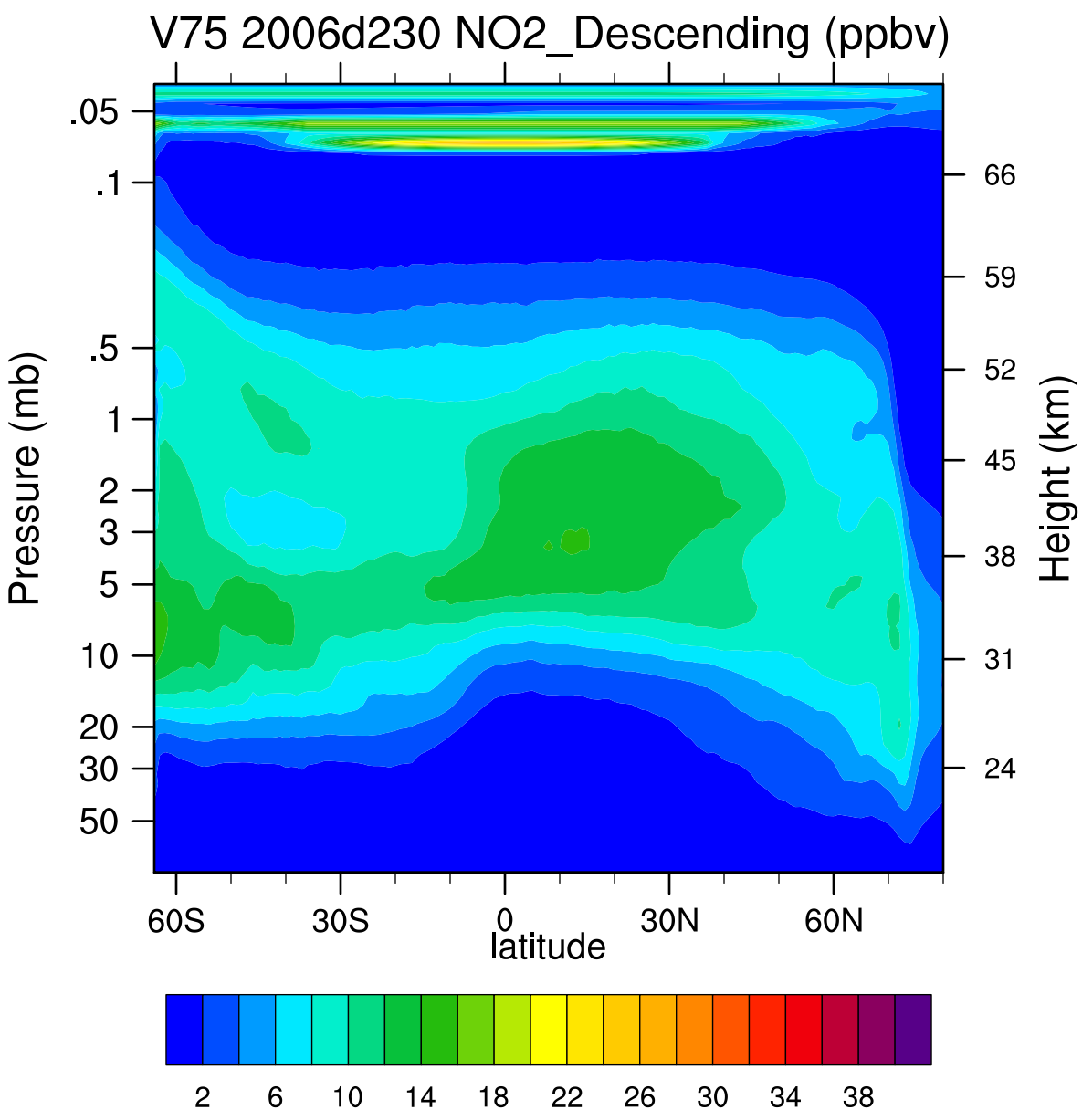
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Height (km)
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52
45
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0
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latitude
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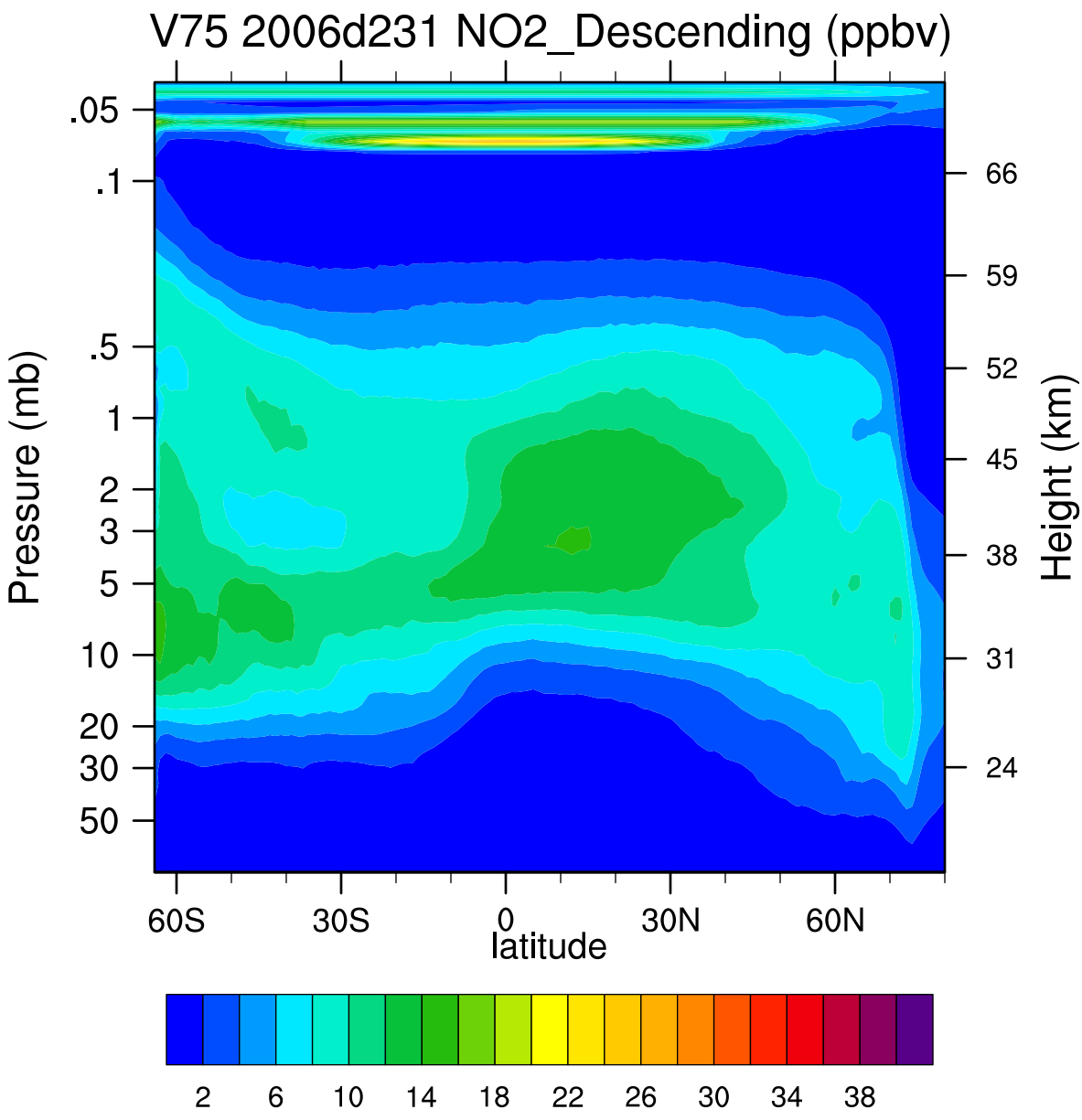
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Pressure (mb)
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Height (km)
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59
52
45
38
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30S
0
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latitude
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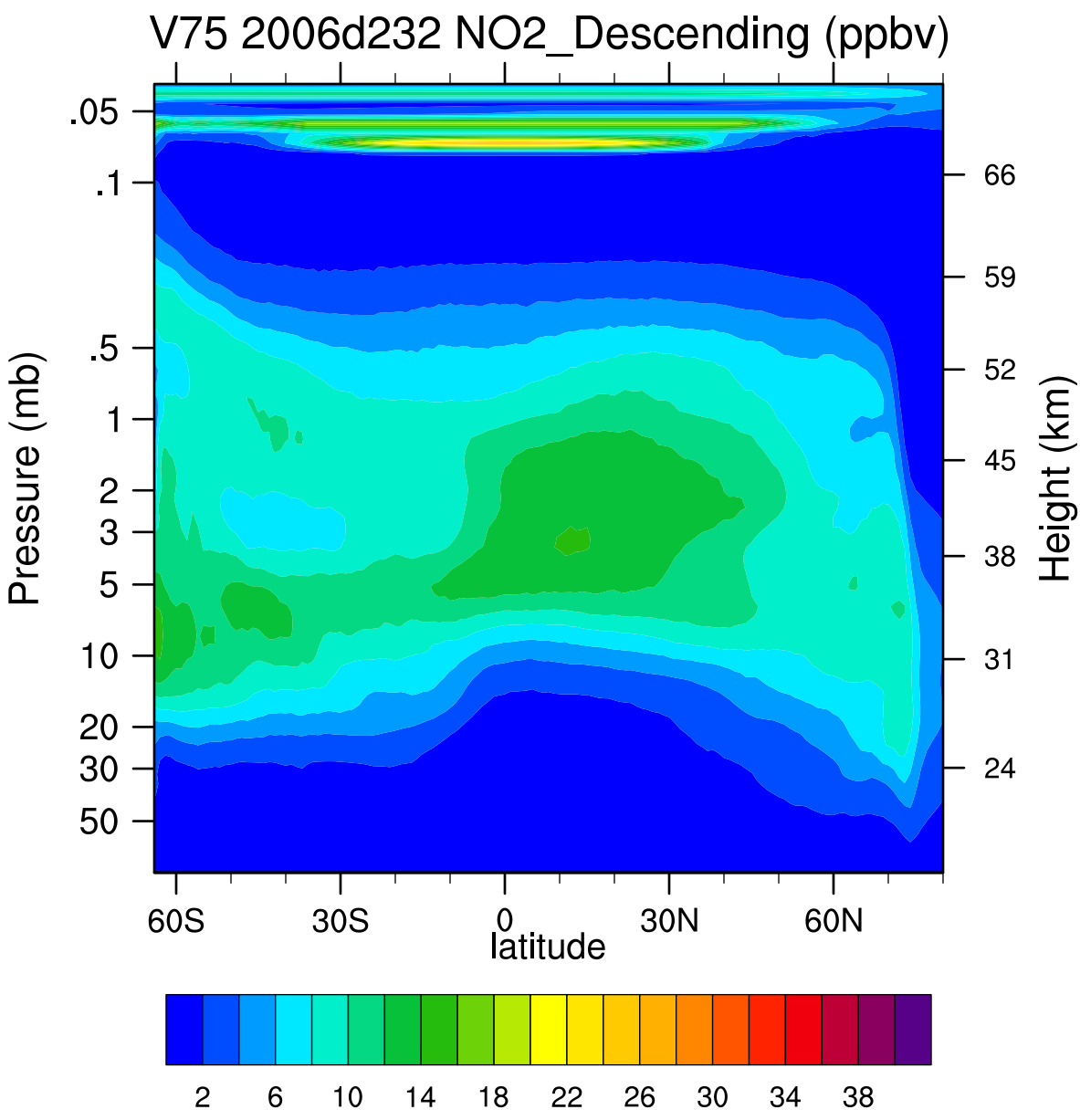
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Height (km)
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52
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latitude
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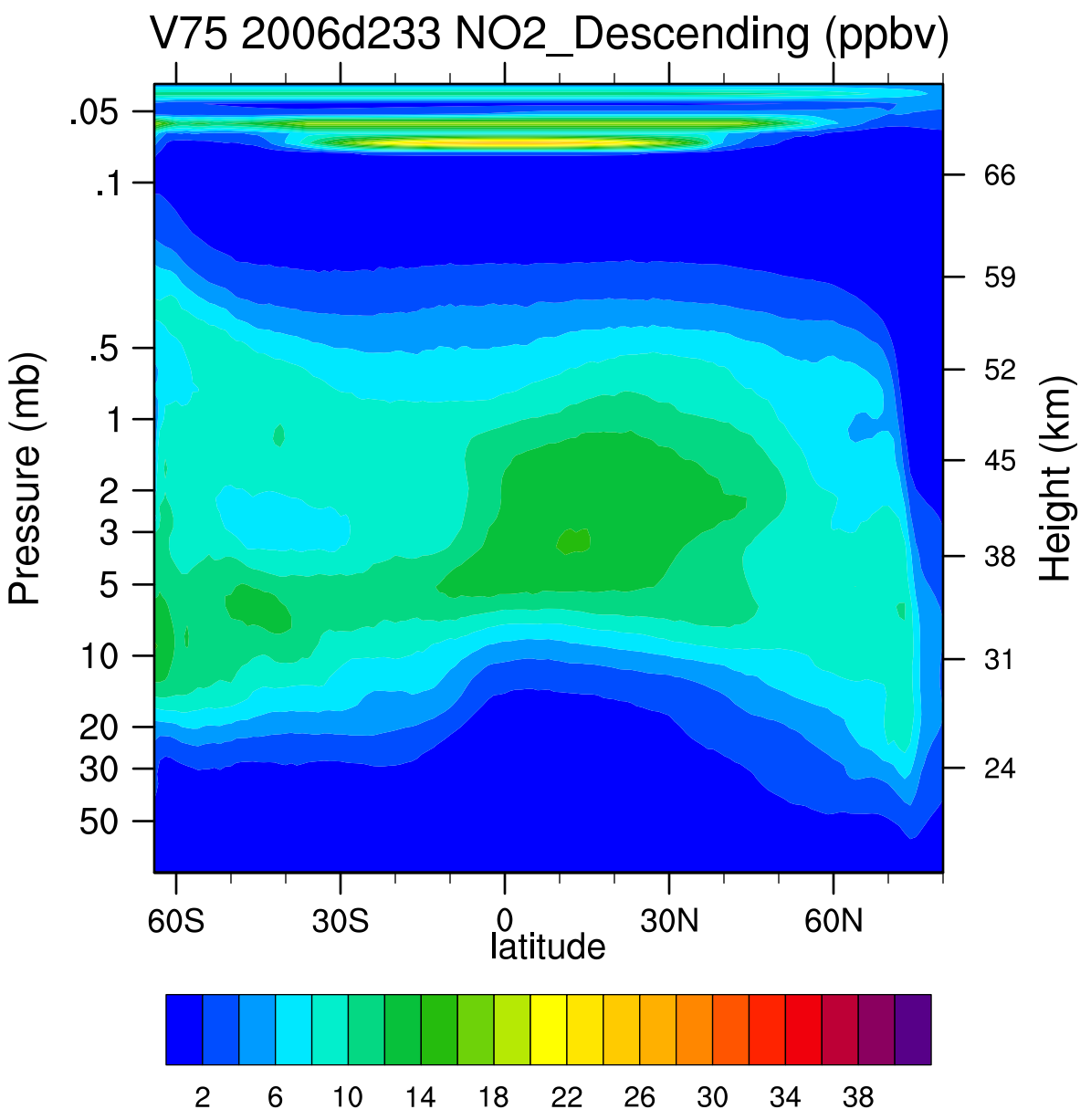
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Height (km)
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52
45
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latitude
2
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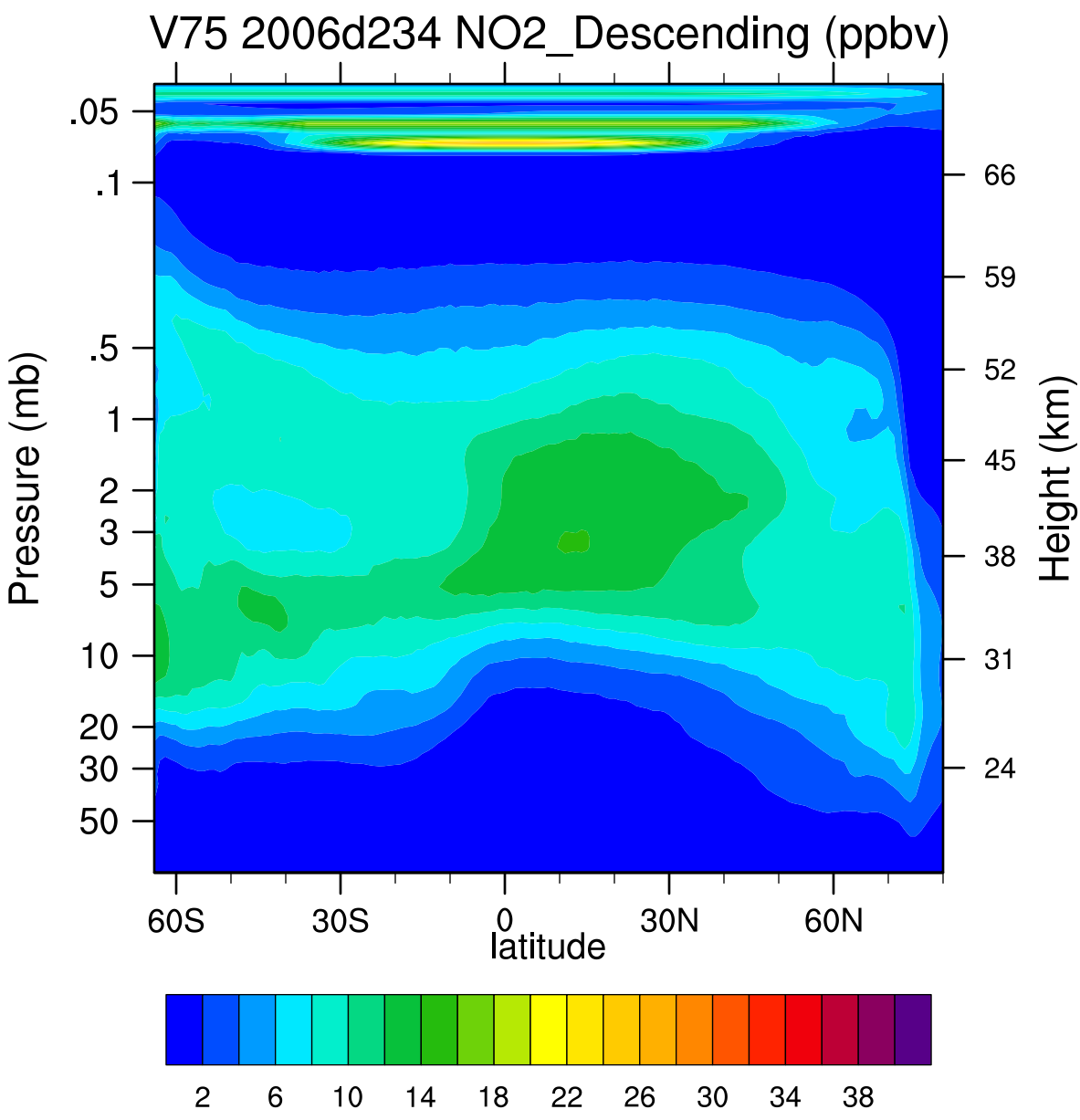
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Height (km)
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59
52
45
38
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24
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60N
latitude
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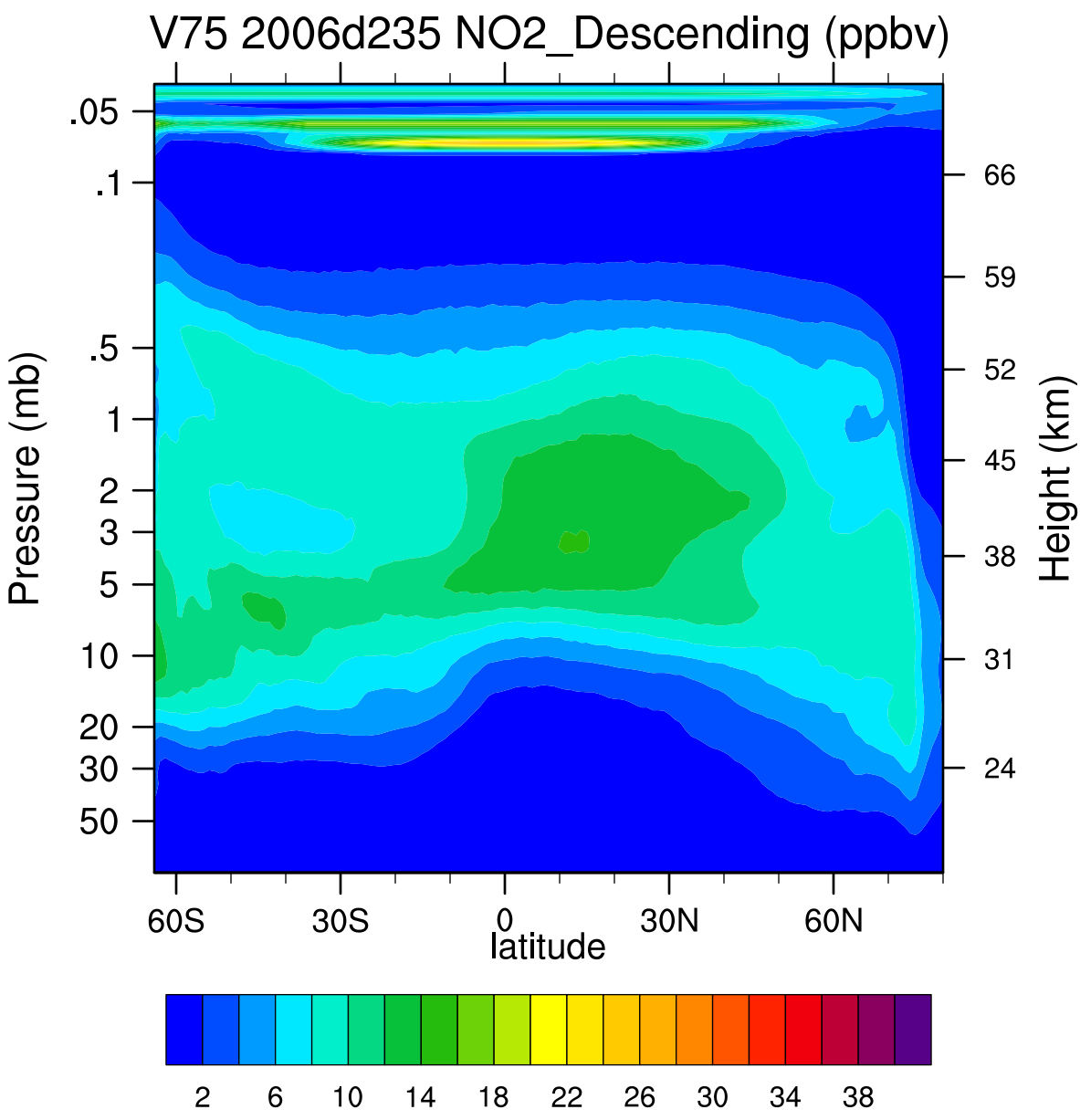
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Pressure (mb)
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Height (km)
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52
45
38
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30S
0
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60N
latitude
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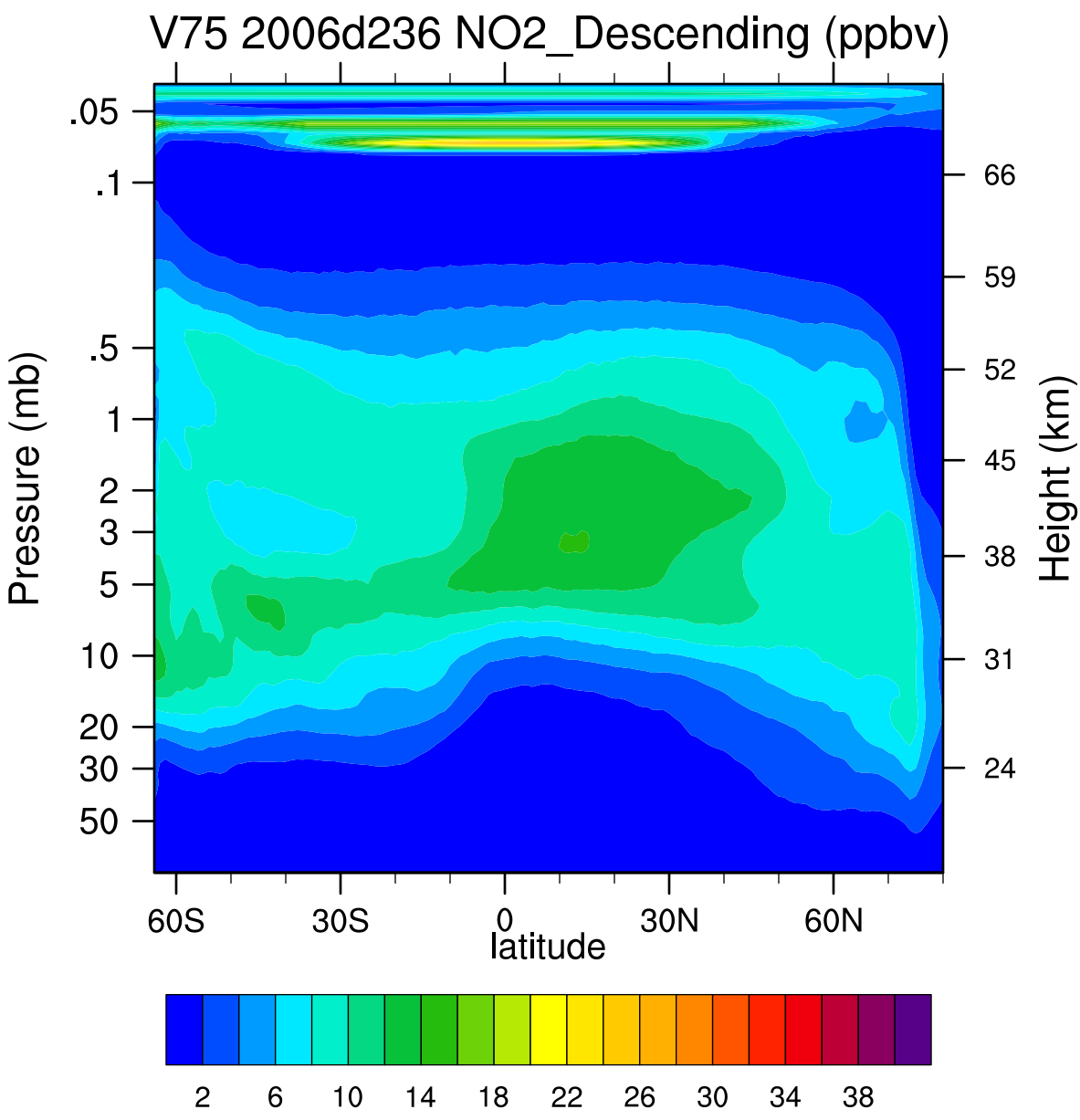
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Pressure (mb)
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30
50
Height (km)
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59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
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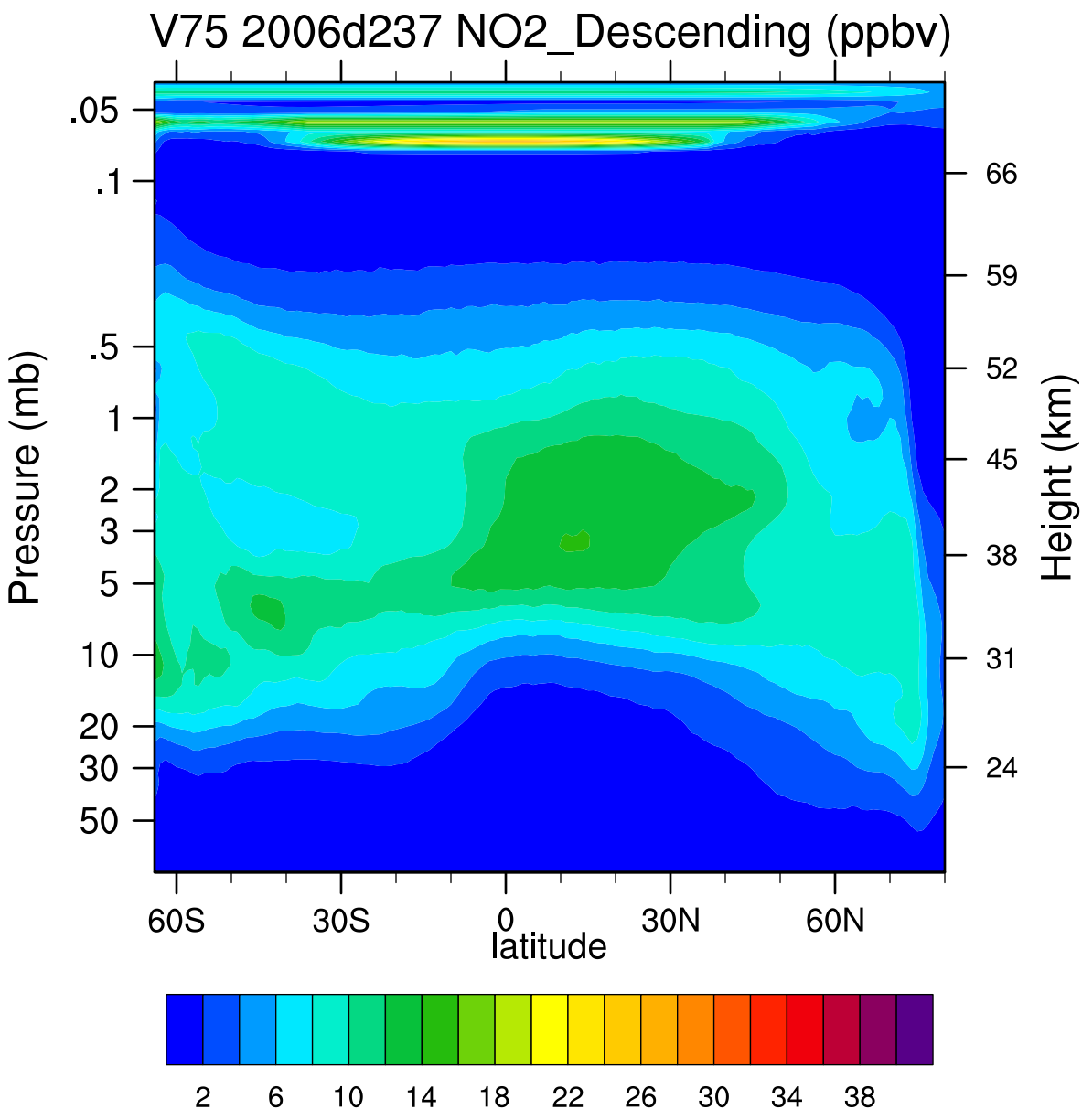
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.1
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1
2
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5
10
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30
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Height (km)
66
59
52
45
38
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30S
0
30N
60N
latitude
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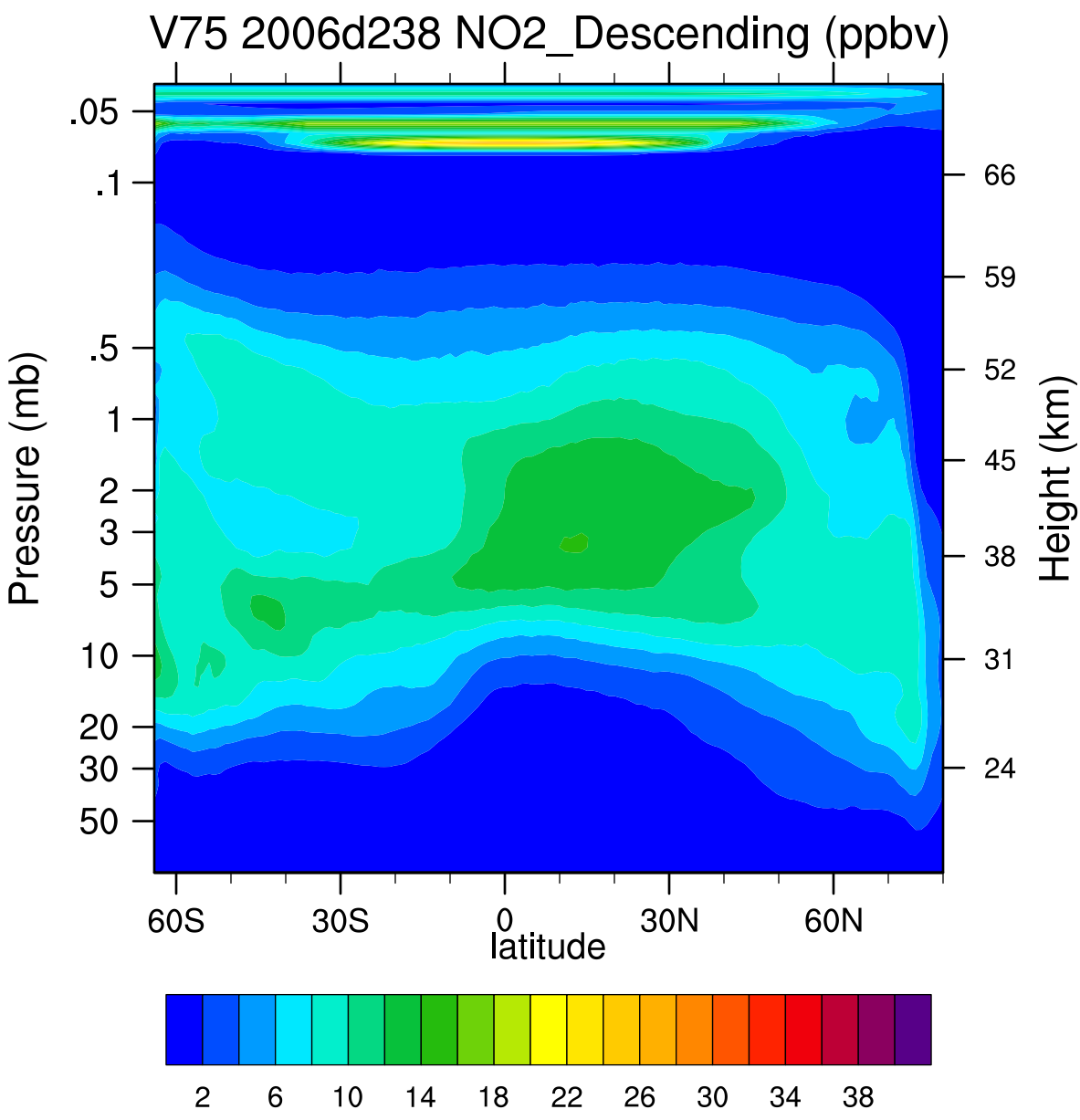
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Pressure (mb)
66
59
52
45
38
31
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Height (km)
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30S
0
30N
60N
latitude
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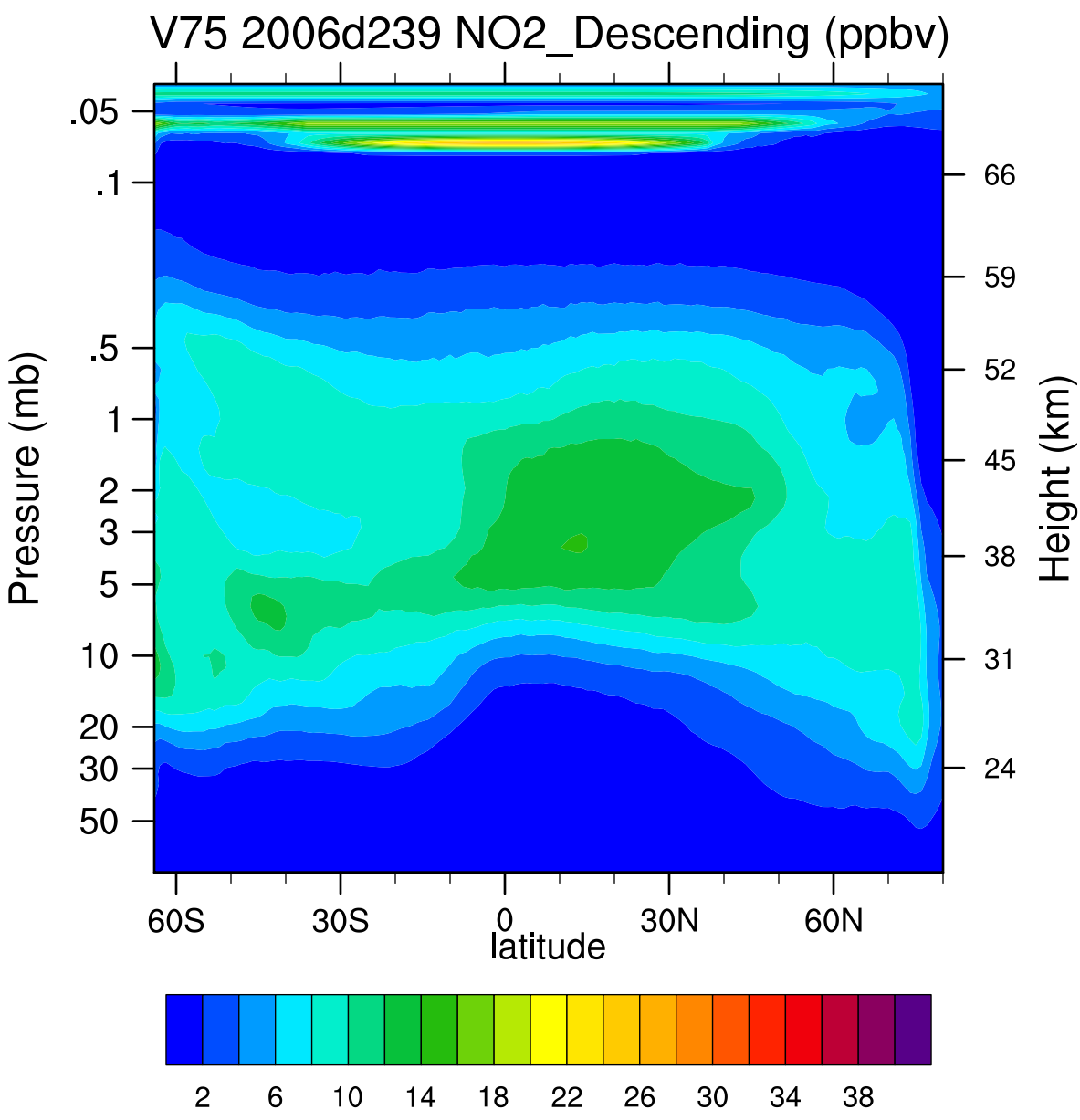
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Pressure (mb)
66
59
52
45
38
31
24
Height (km)
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30S
0
30N
60N
latitude
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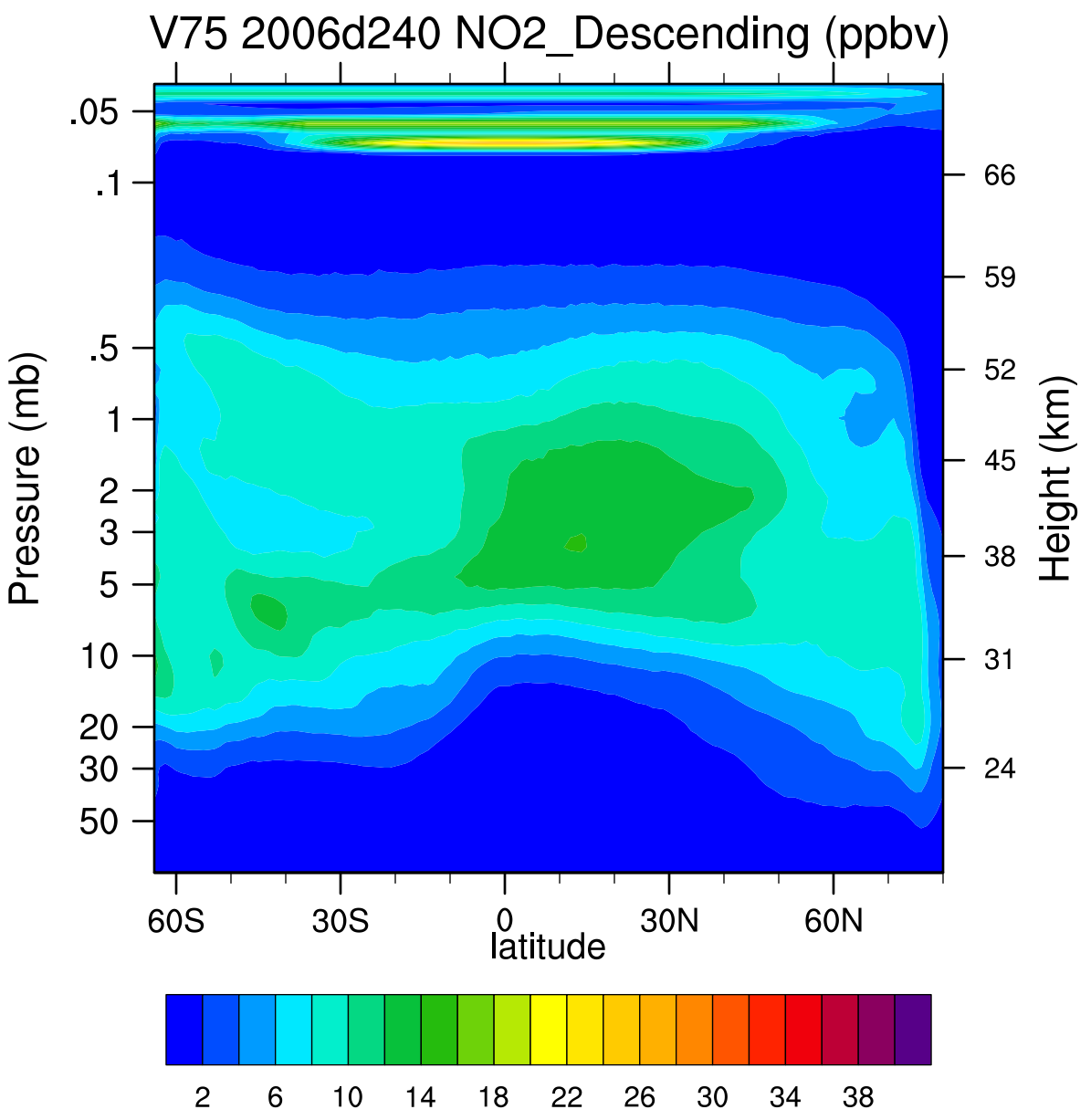
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Pressure (mb)
66
59
52
45
38
31
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Height (km)
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0
30N
60N
latitude
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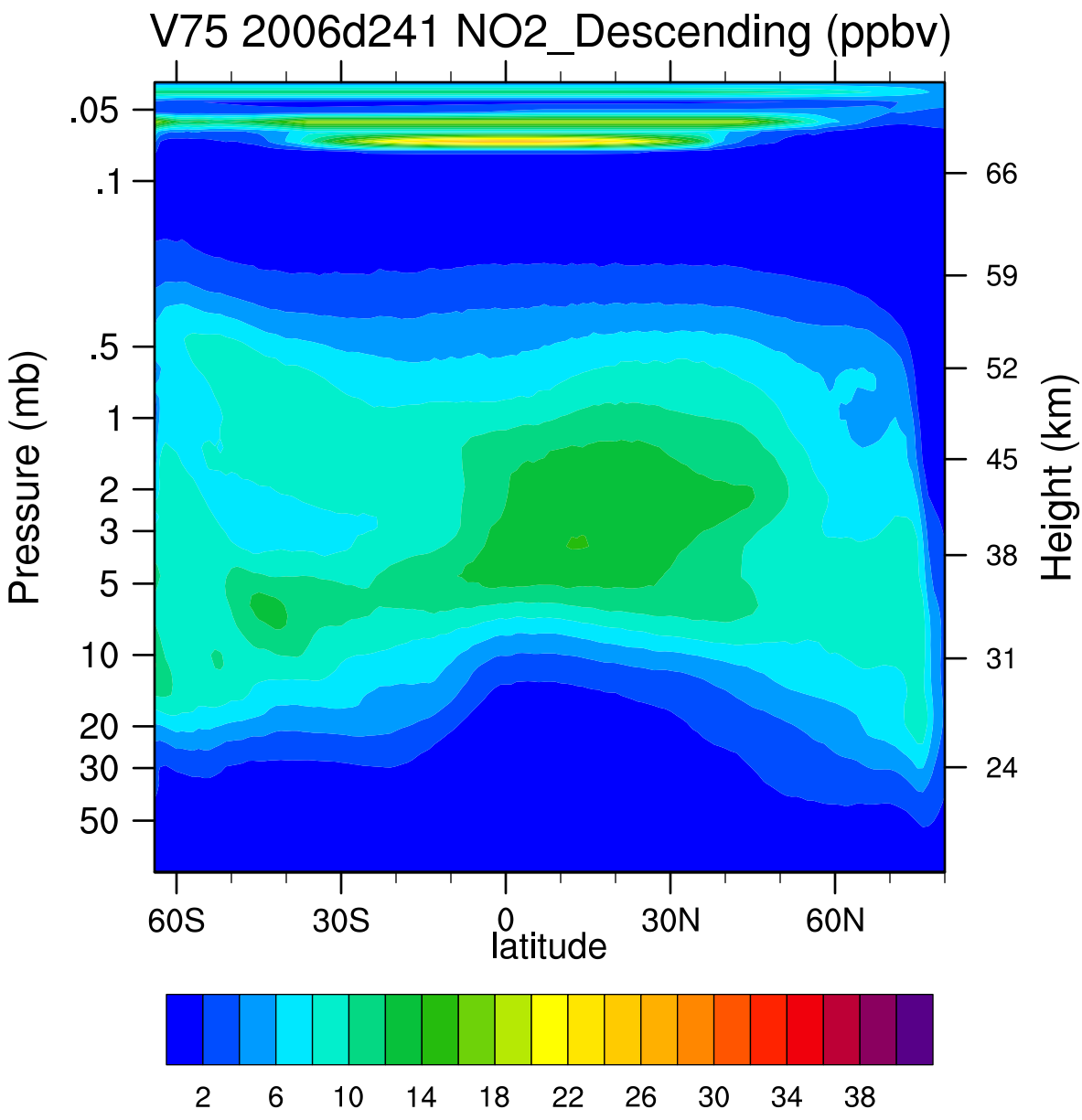
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Pressure (mb)
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60N
latitude
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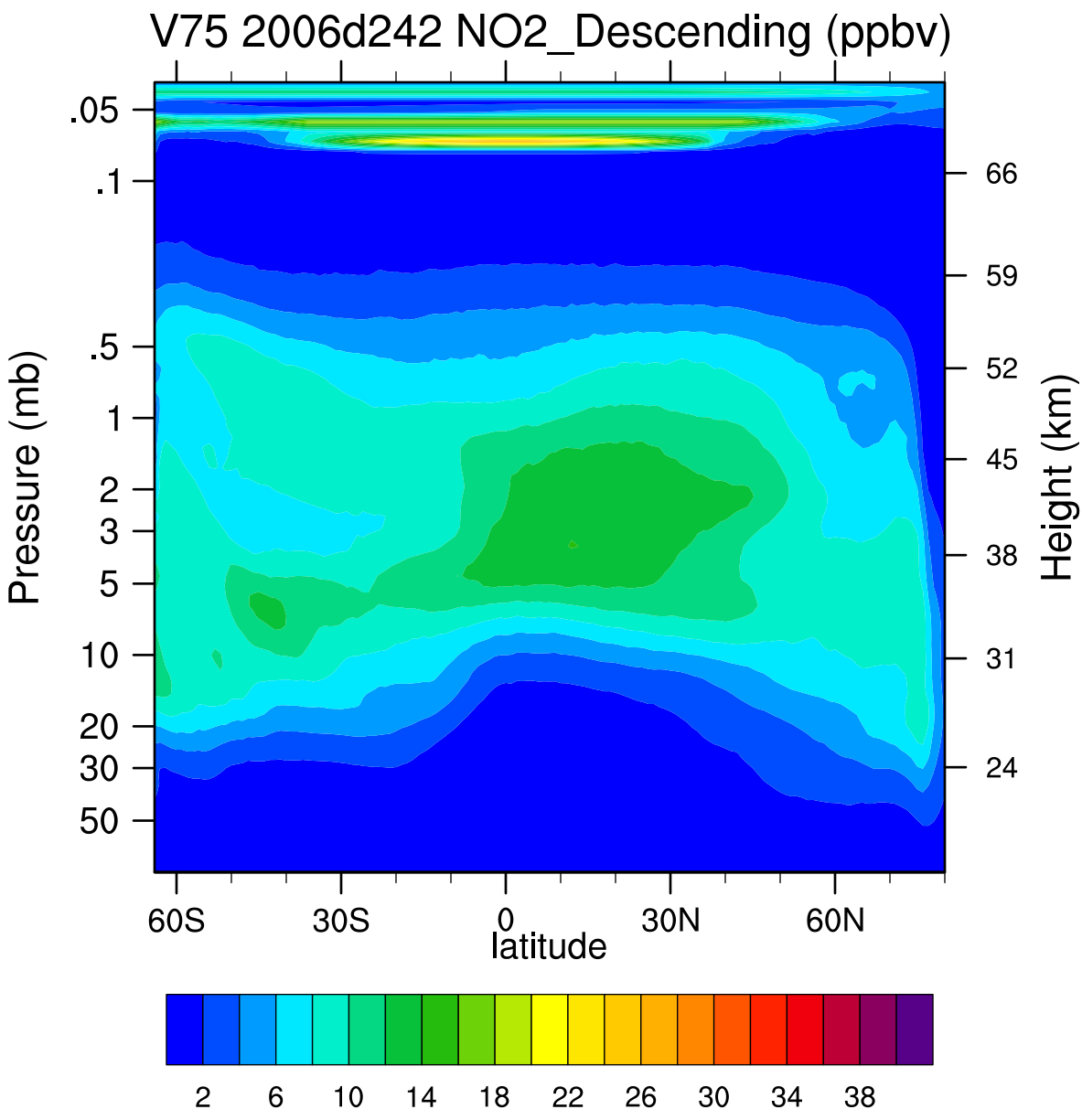
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Pressure (mb)
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Height (km)
66
59
52
45
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0
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60N
latitude
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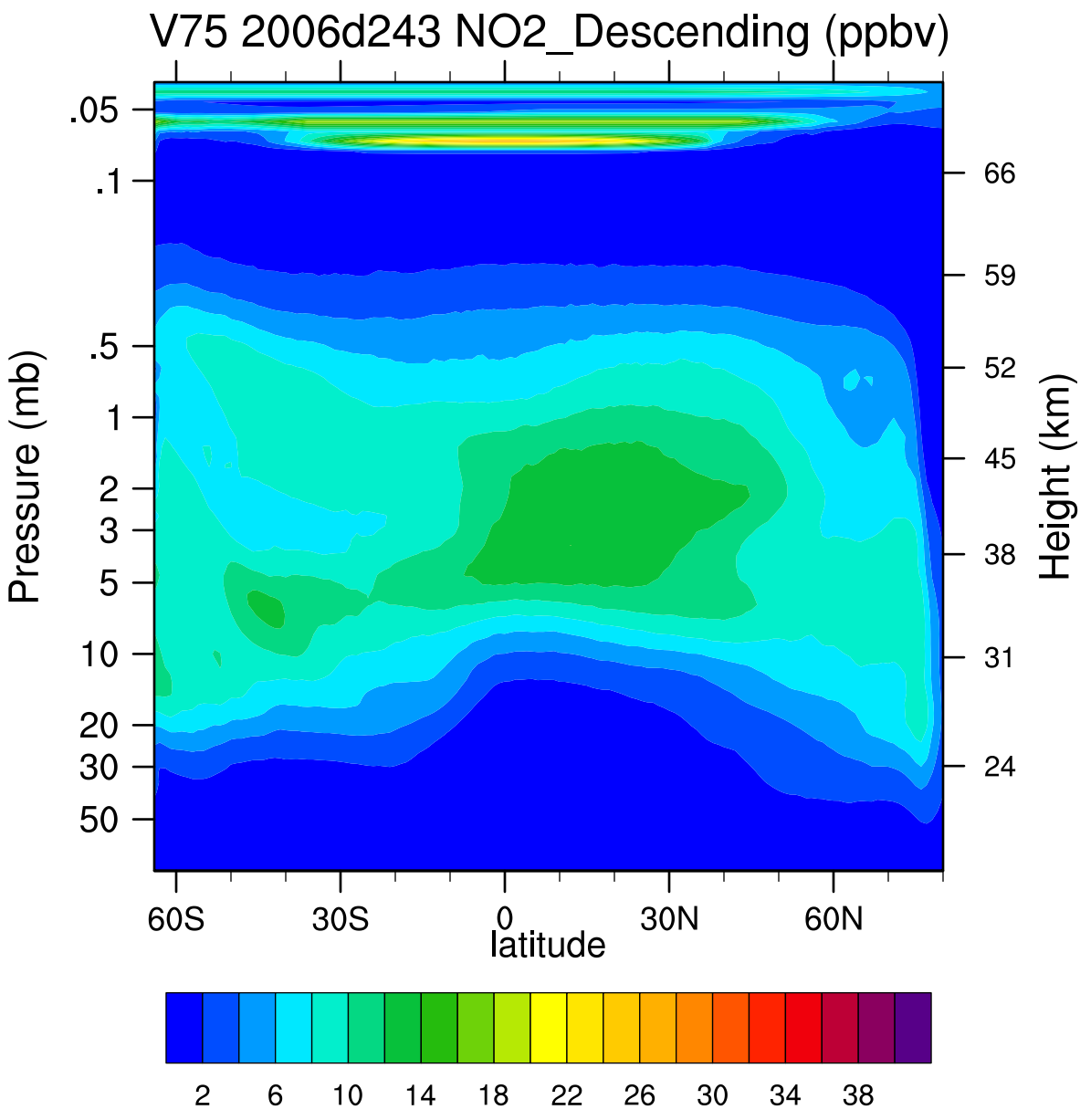
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Pressure (mb)
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59
52
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Height (km)
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60N
latitude
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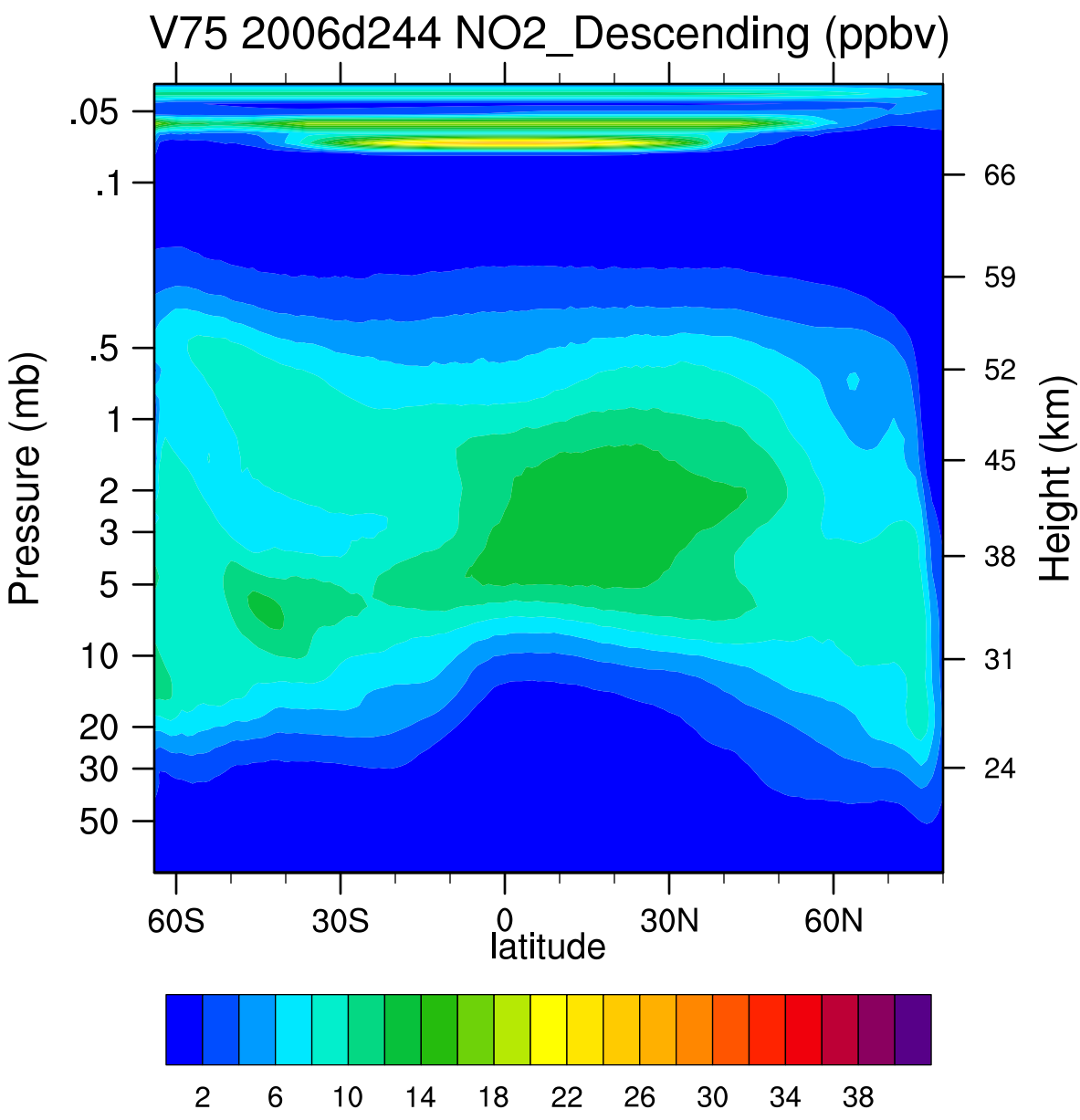
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30
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Height (km)
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59
52
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latitude
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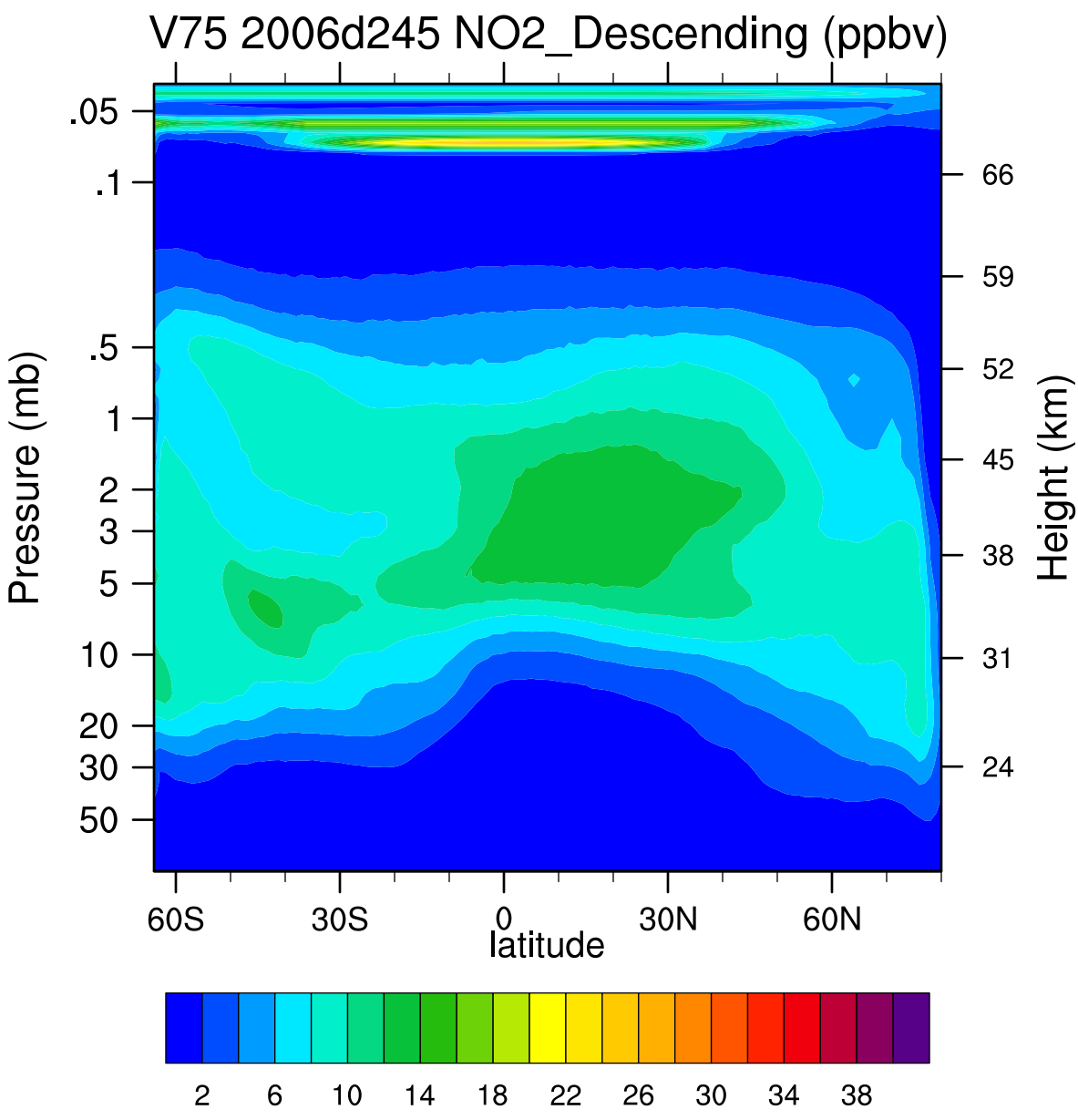
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Height (km)
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59
52
45
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30S
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60N
latitude
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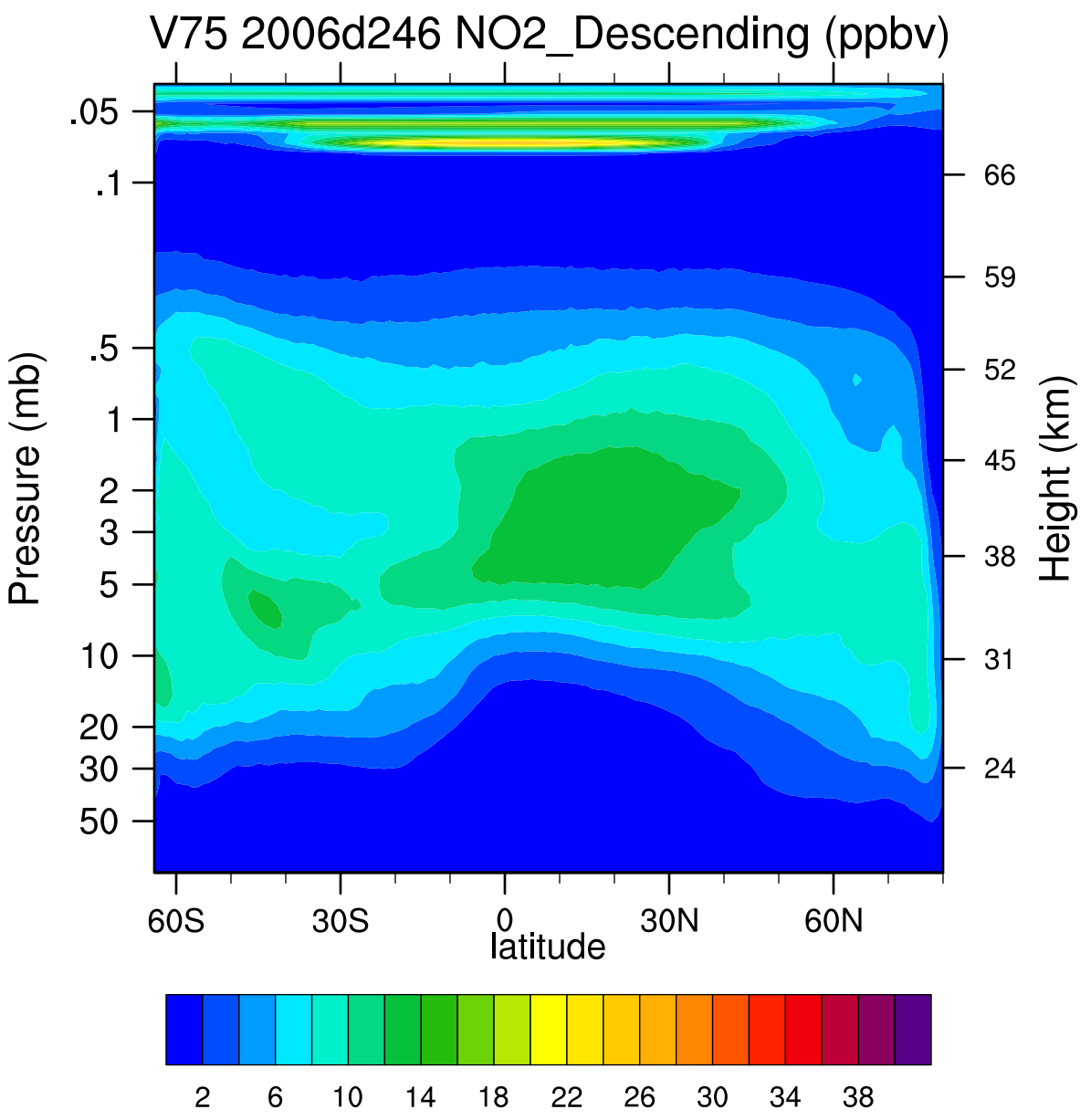
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Height (km)
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59
52
45
38
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24
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30S
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30N
60N
latitude
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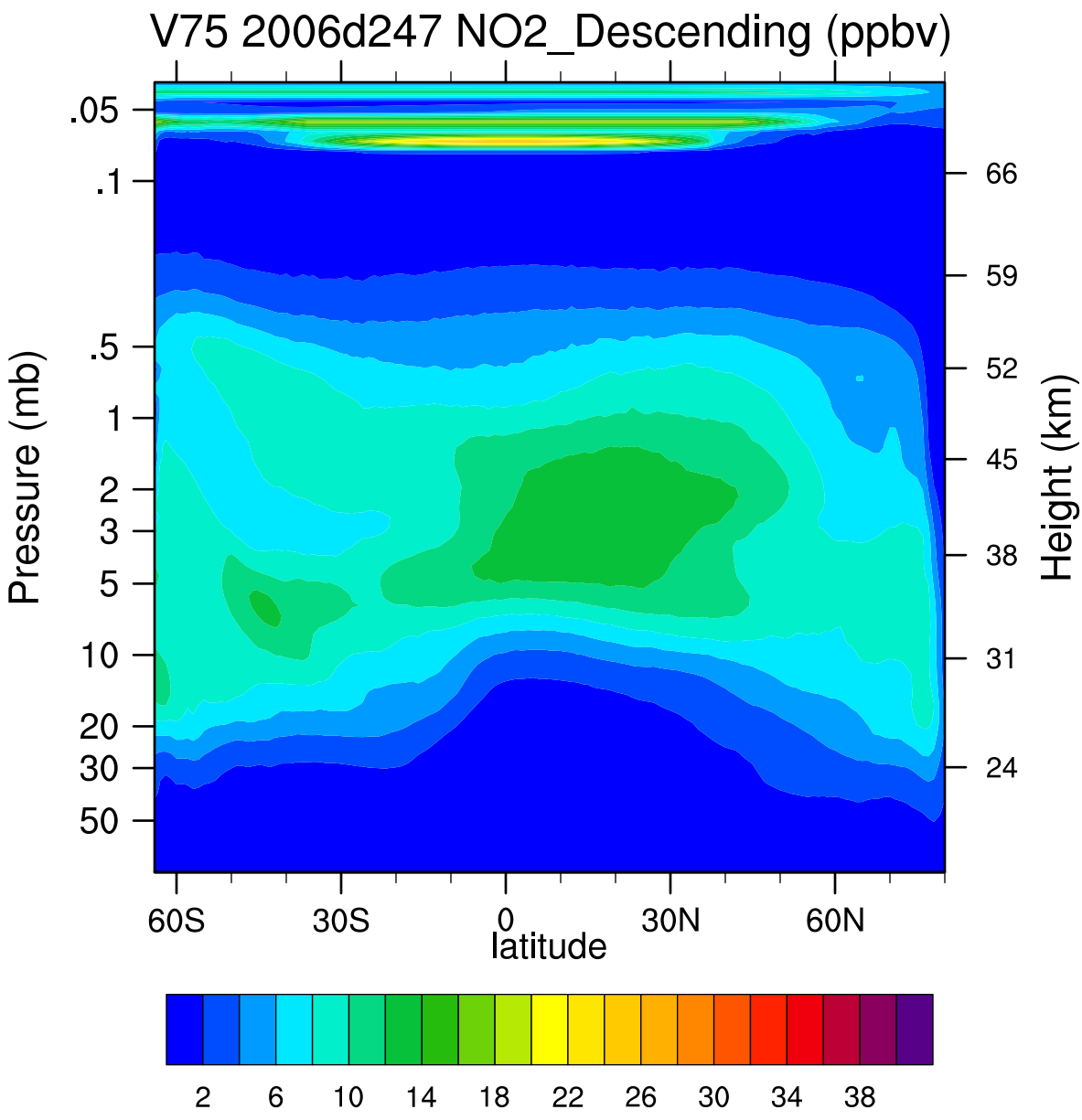
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Pressure (mb)
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Height (km)
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59
52
45
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24
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30S
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30N
60N
latitude
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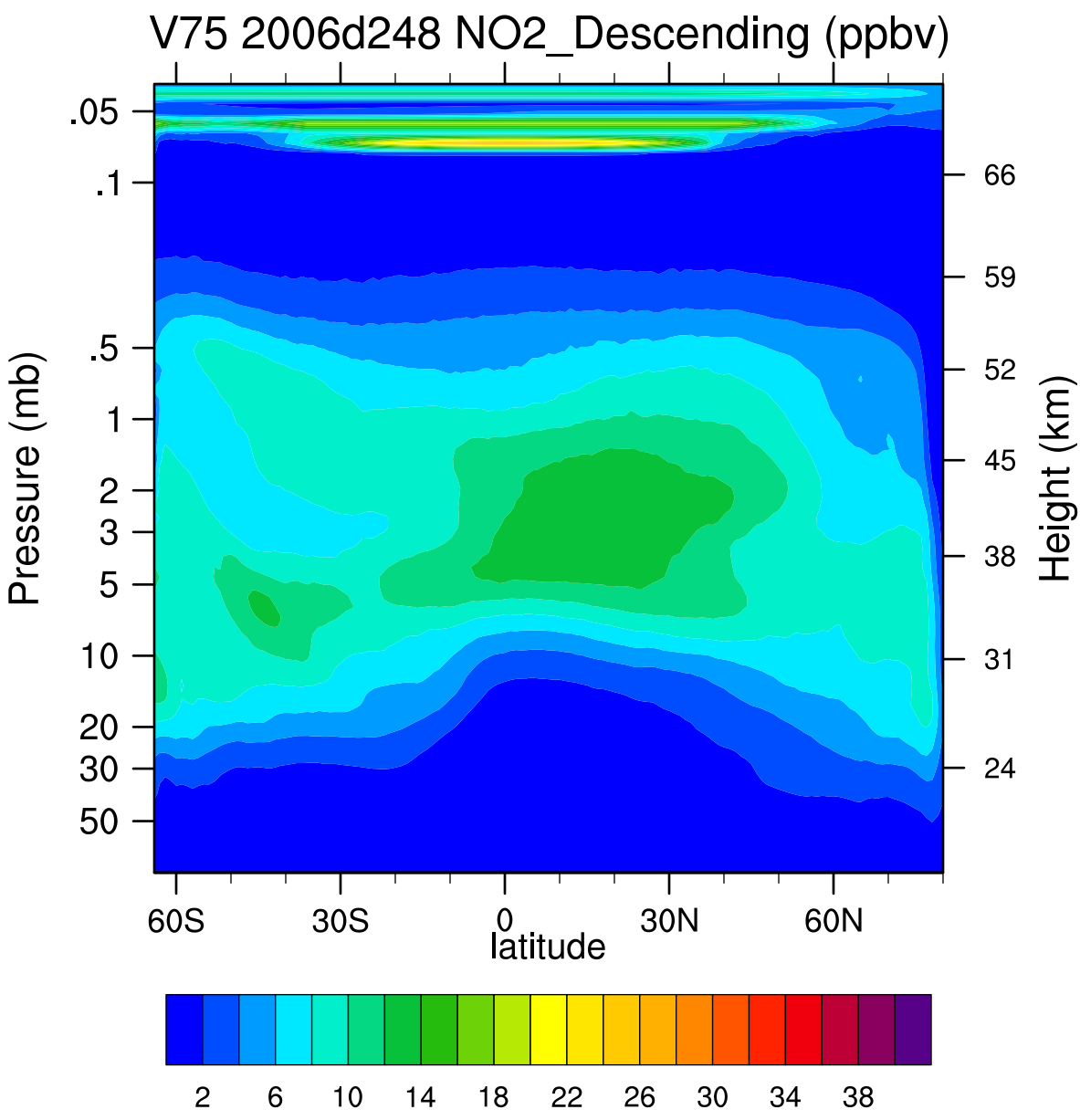
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30
50
Pressure (mb)
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59
52
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38
31
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Height (km)
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30S
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30N
60N
latitude
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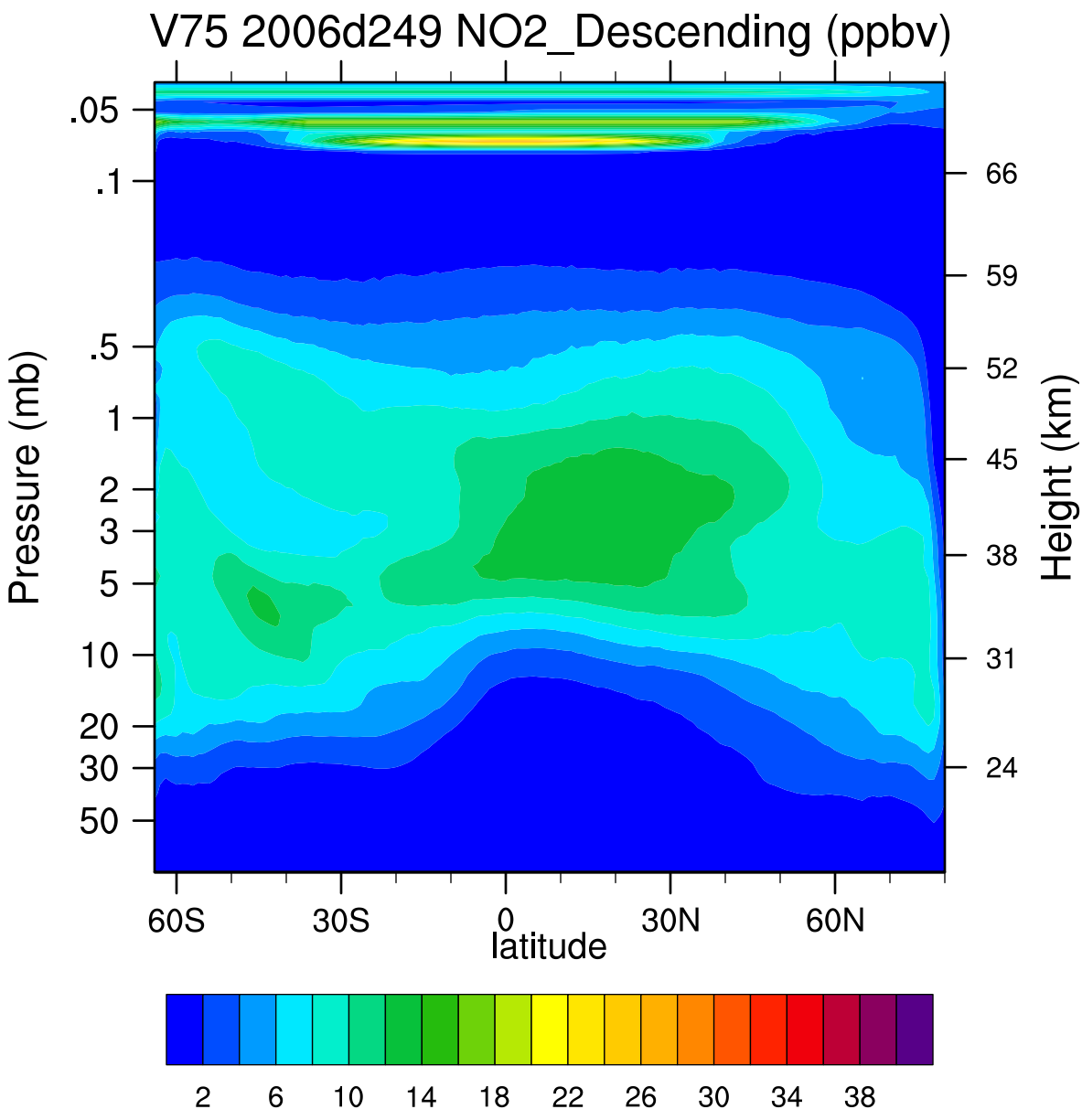
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Height (km)
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52
45
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30S
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60N
latitude
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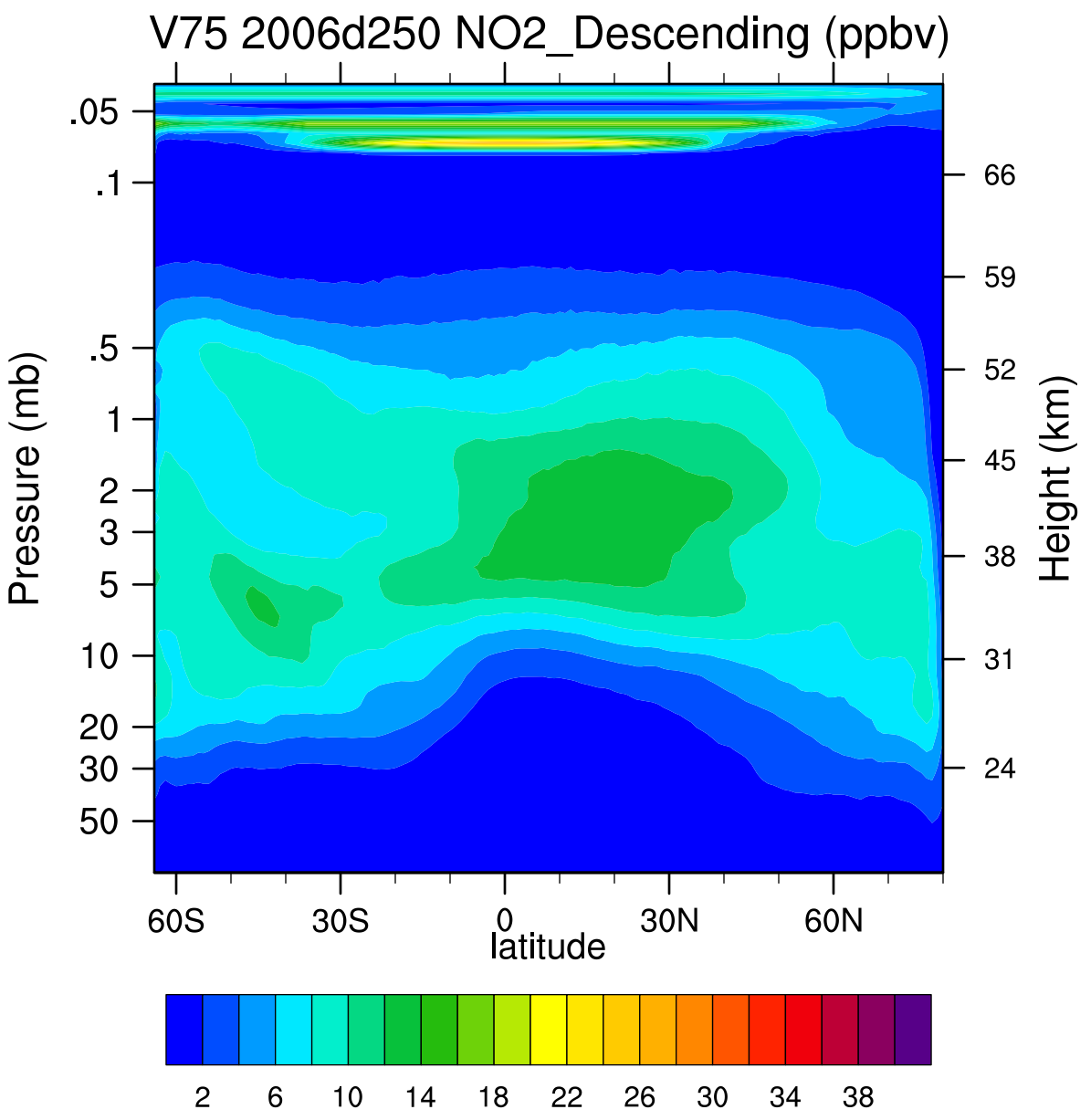
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Height (km)
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59
52
45
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30S
0
30N
60N
latitude
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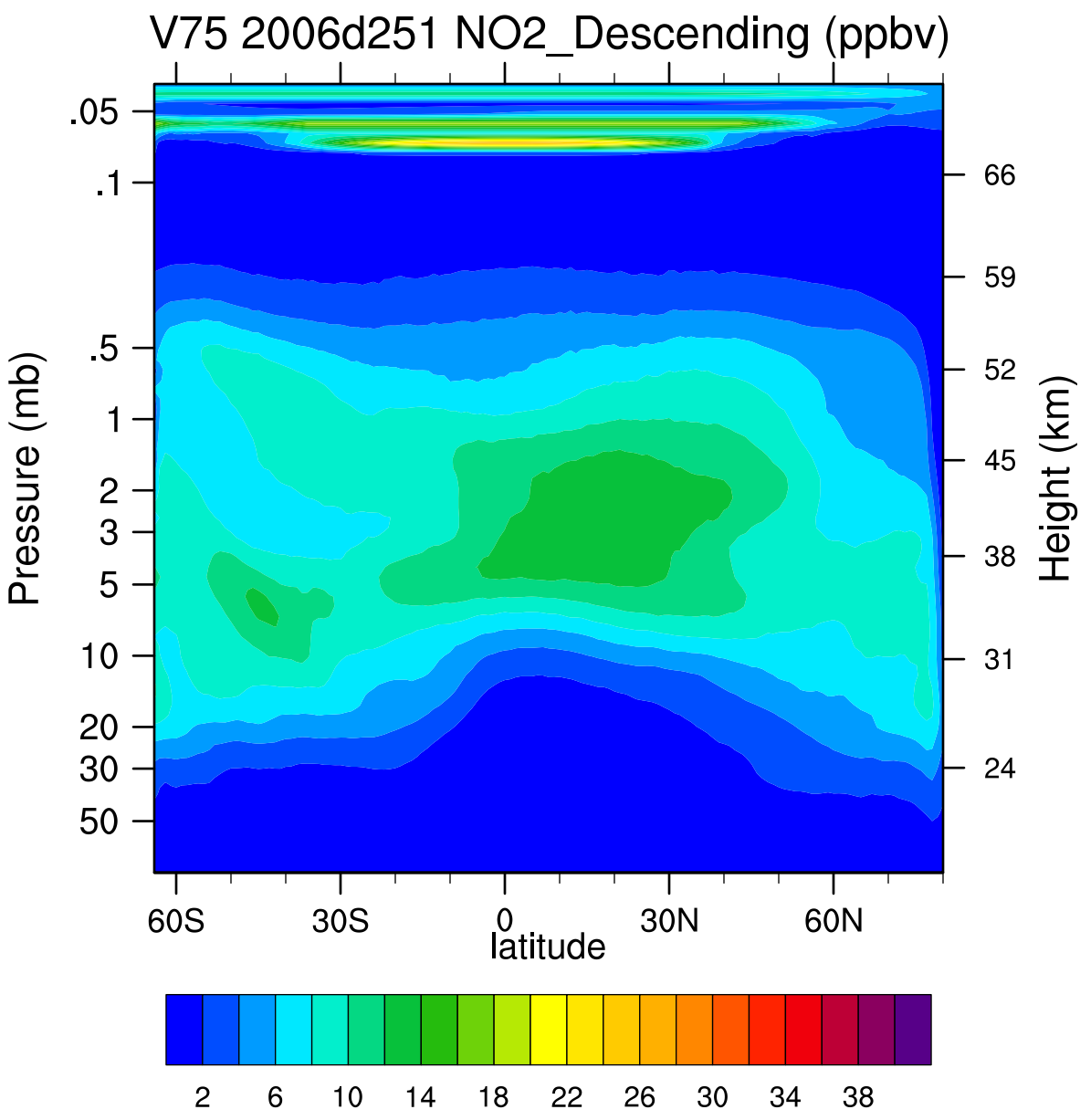
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Height (km)
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52
45
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30S
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60N
latitude
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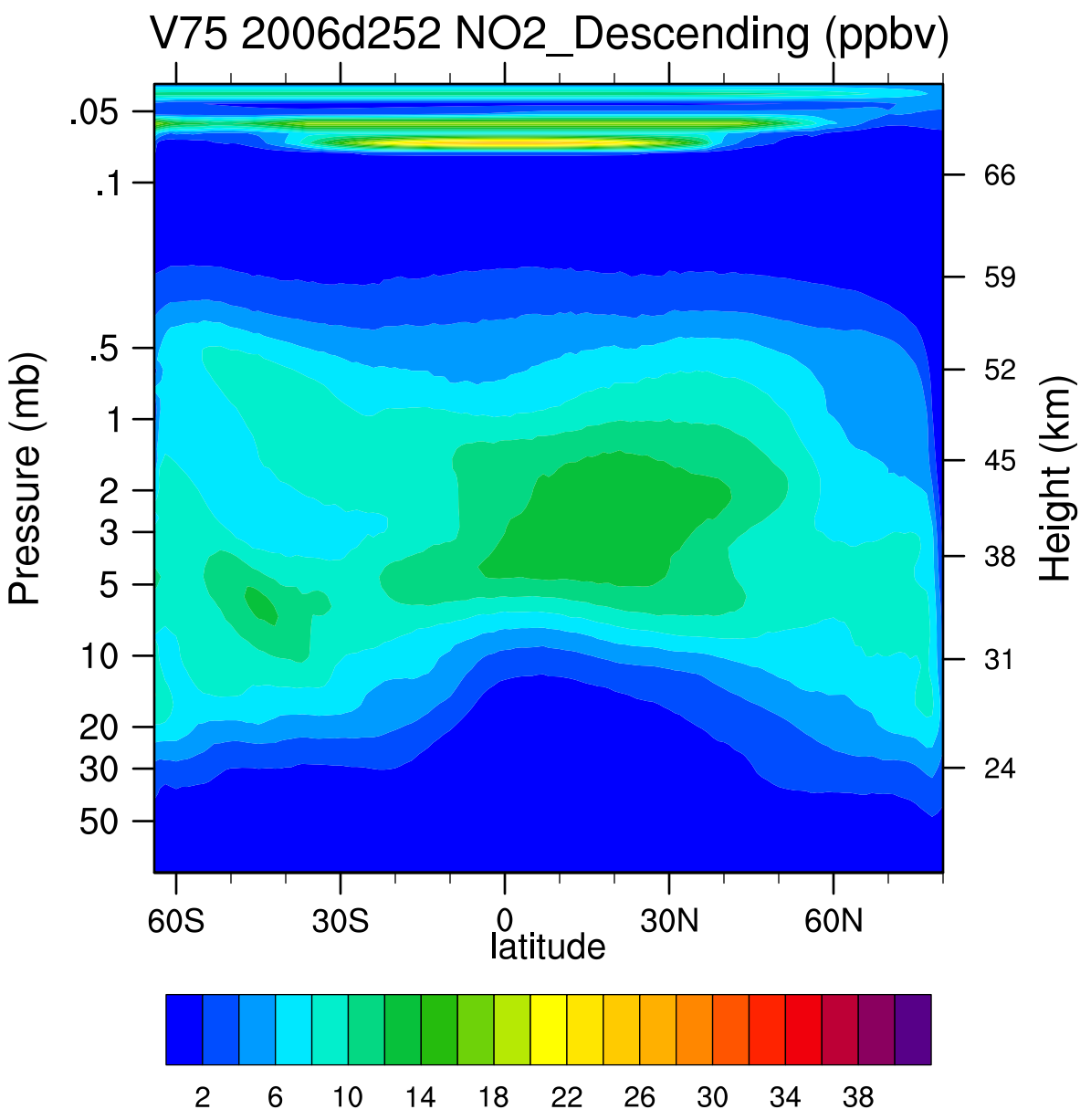
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Height (km)
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52
45
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30S
0
30N
60N
latitude
2
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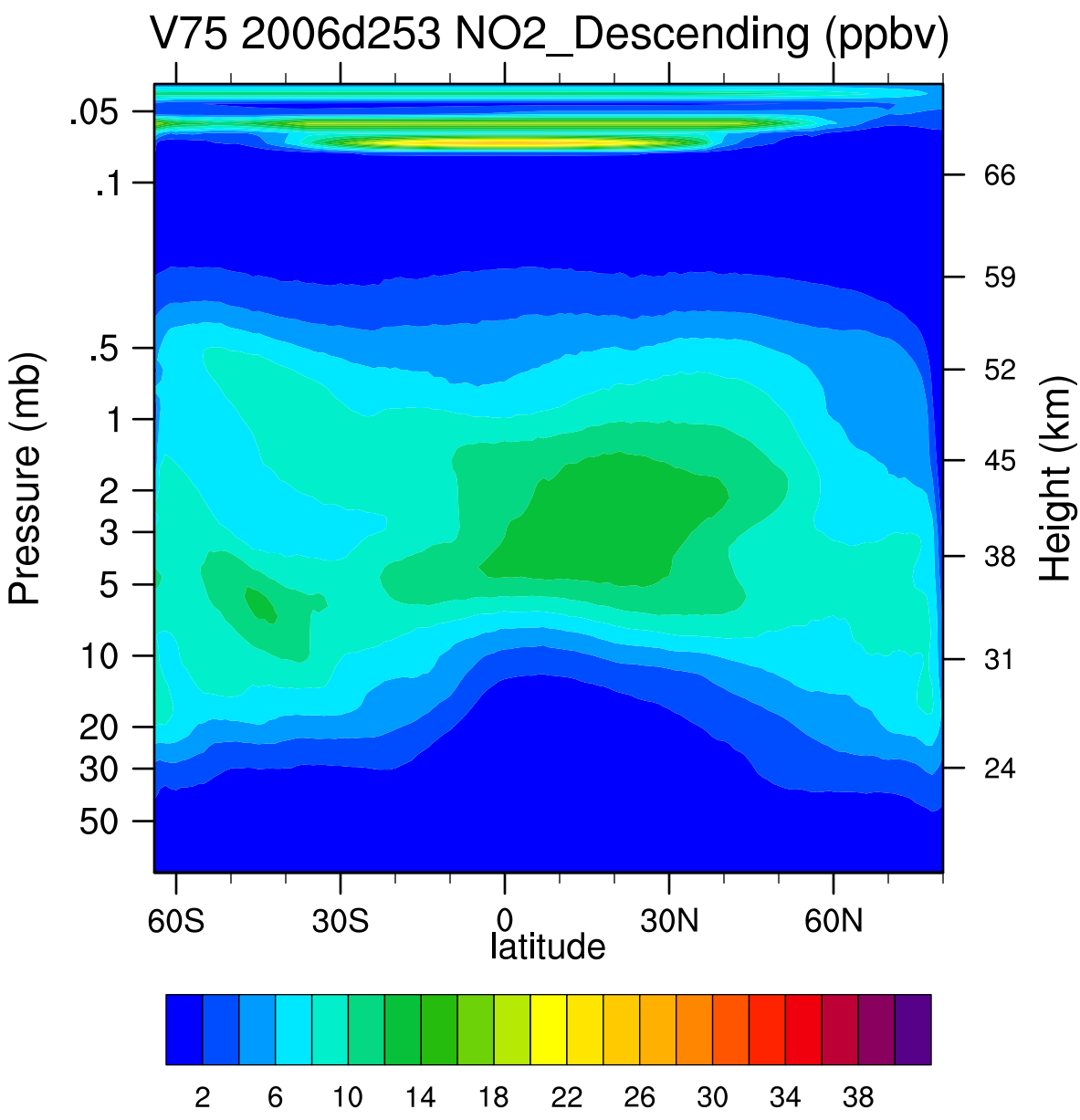
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Height (km)
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52
45
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30S
0
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60N
latitude
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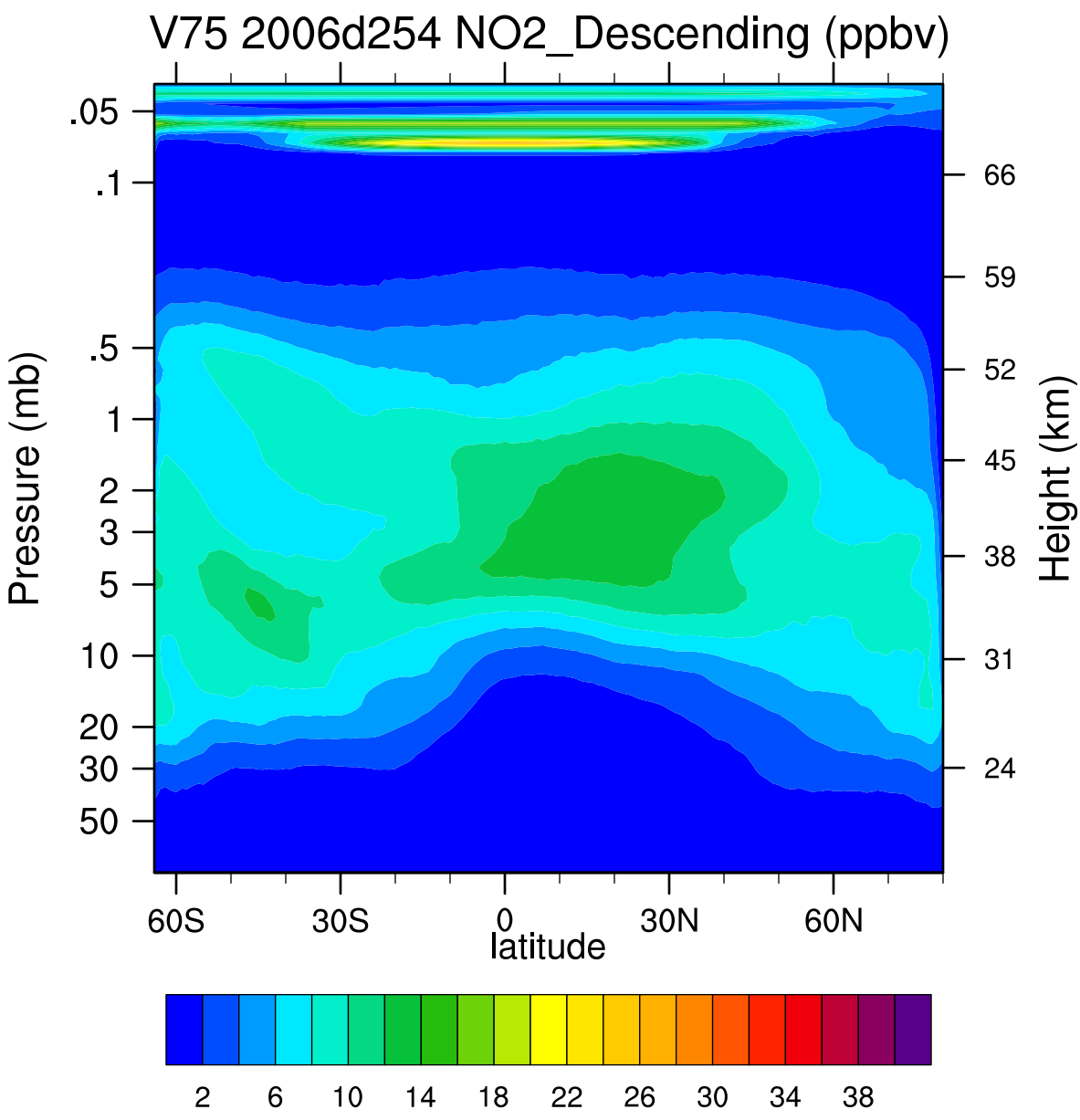
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Height (km)
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52
45
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latitude
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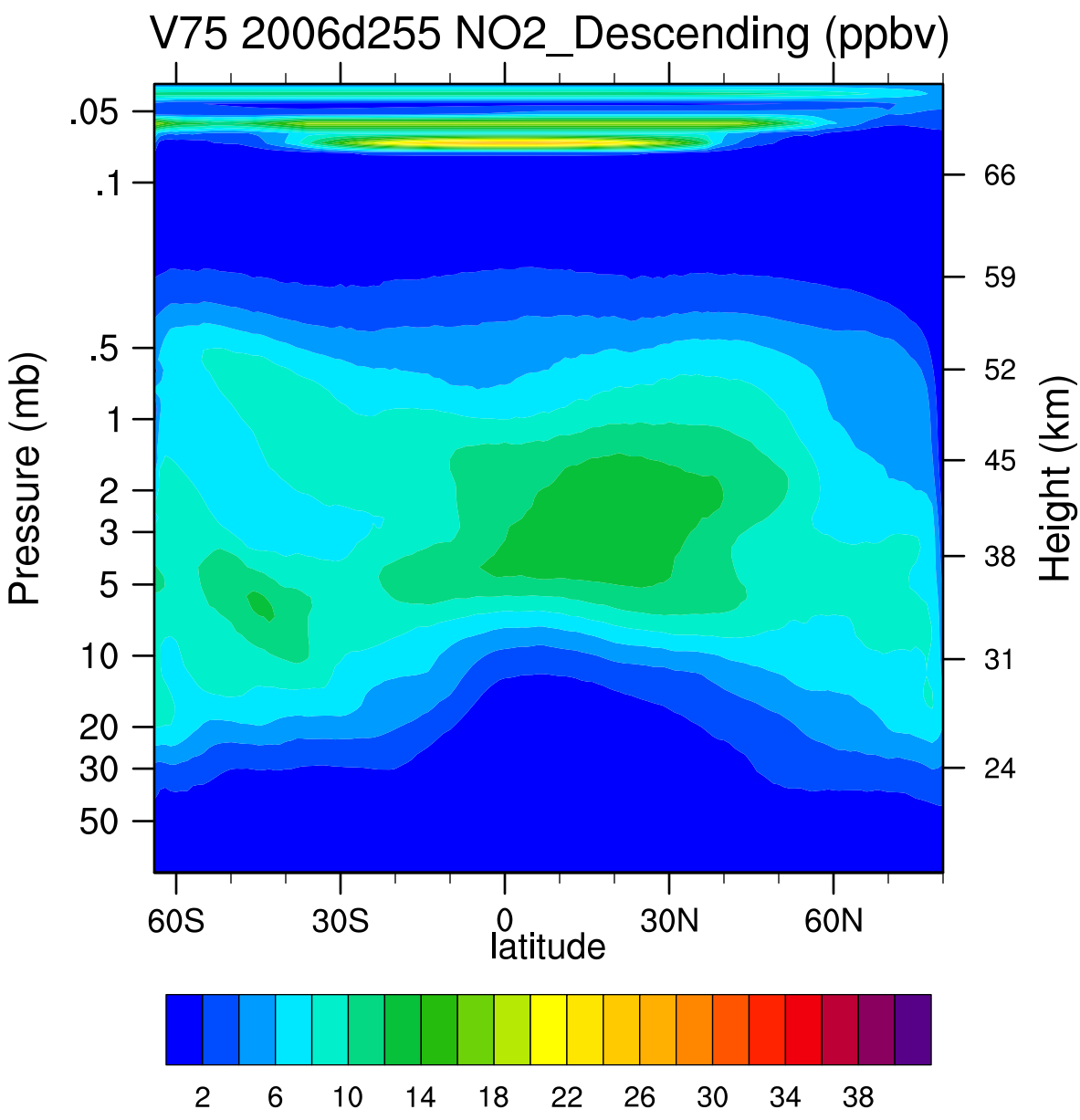
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Height (km)
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52
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latitude
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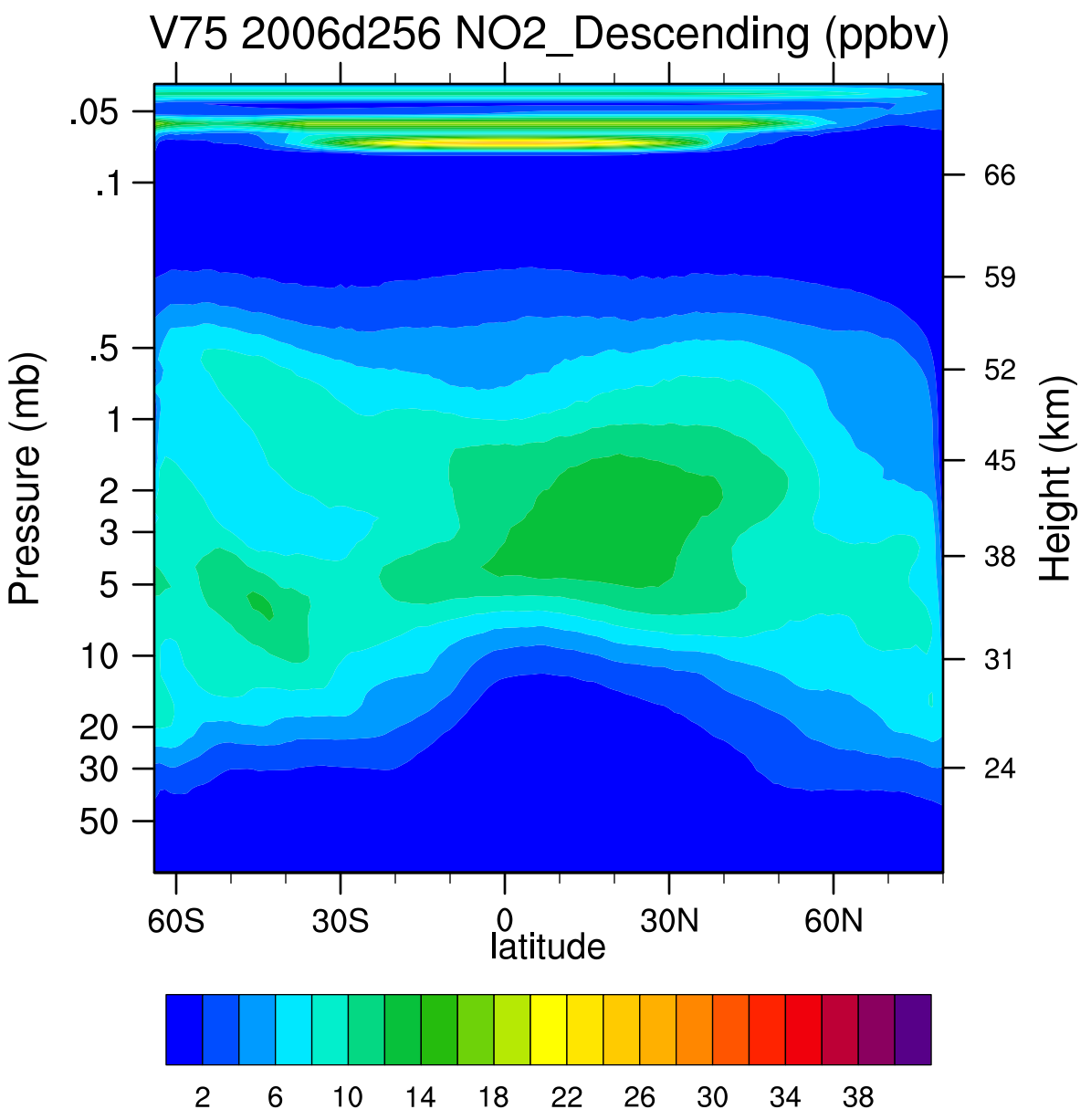
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Height (km)
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52
45
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latitude
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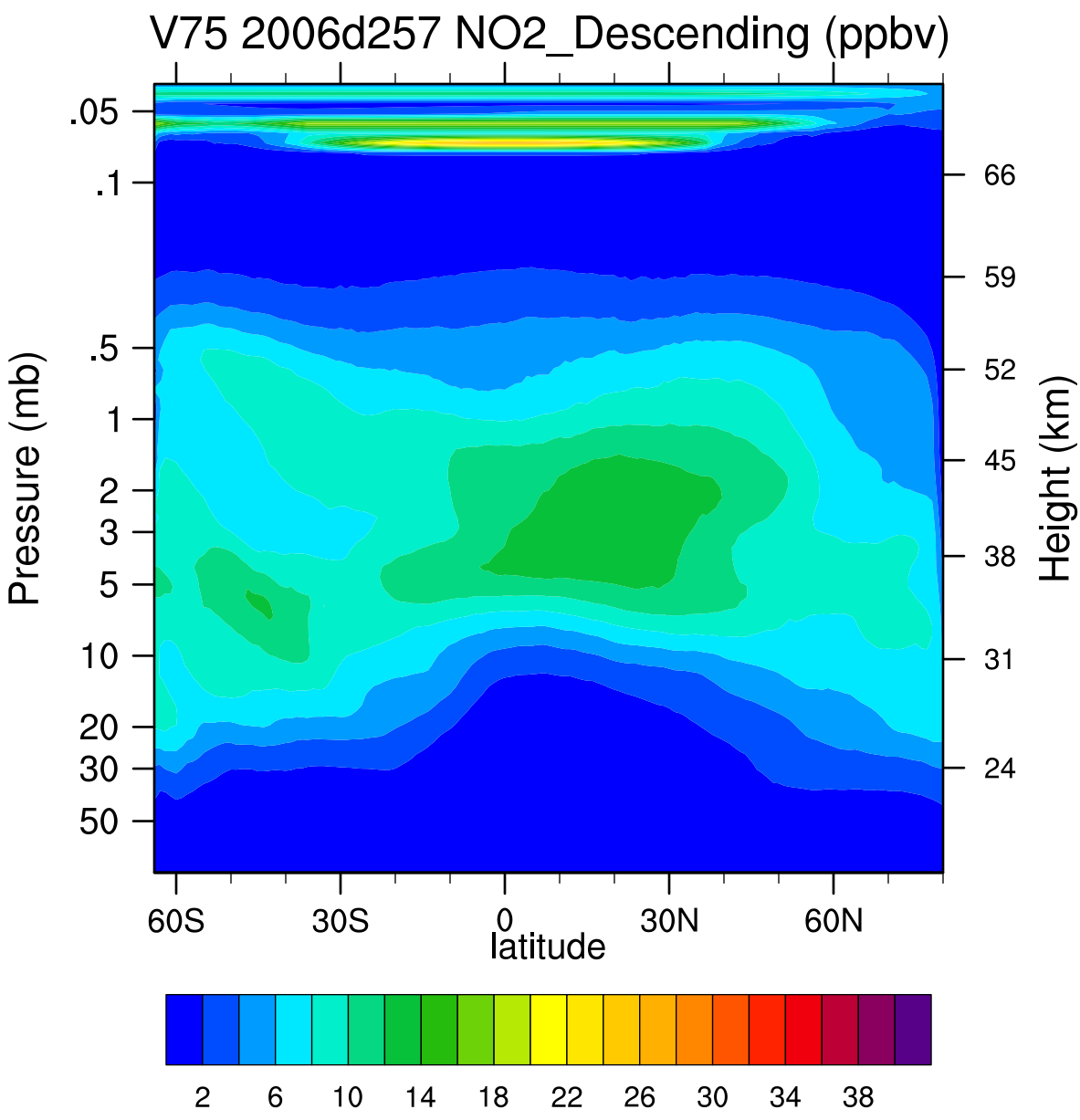
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Pressure (mb)
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38
31
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Height (km)
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0
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60N
latitude
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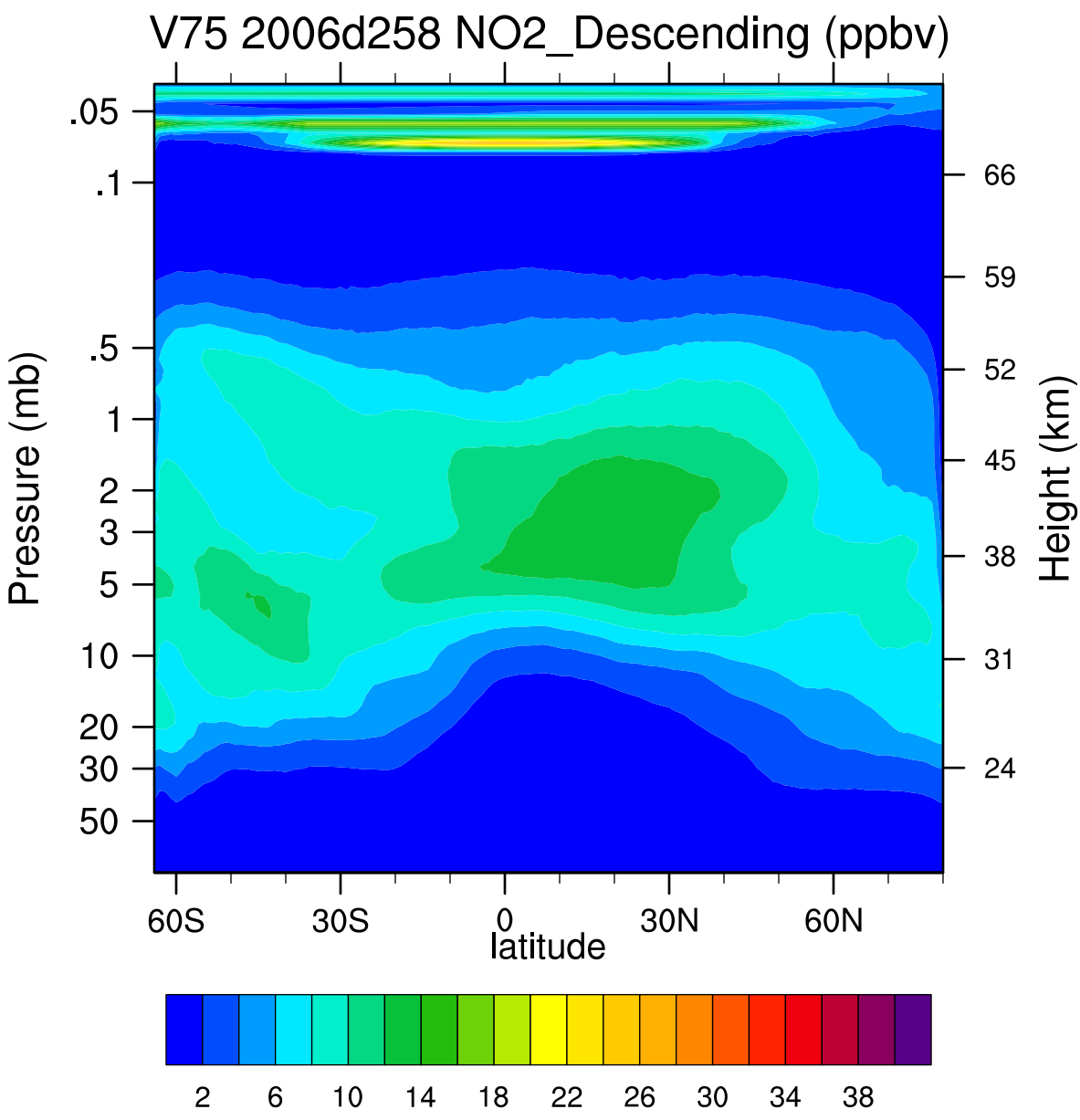
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Pressure (mb)
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38
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Height (km)
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0
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60N
latitude
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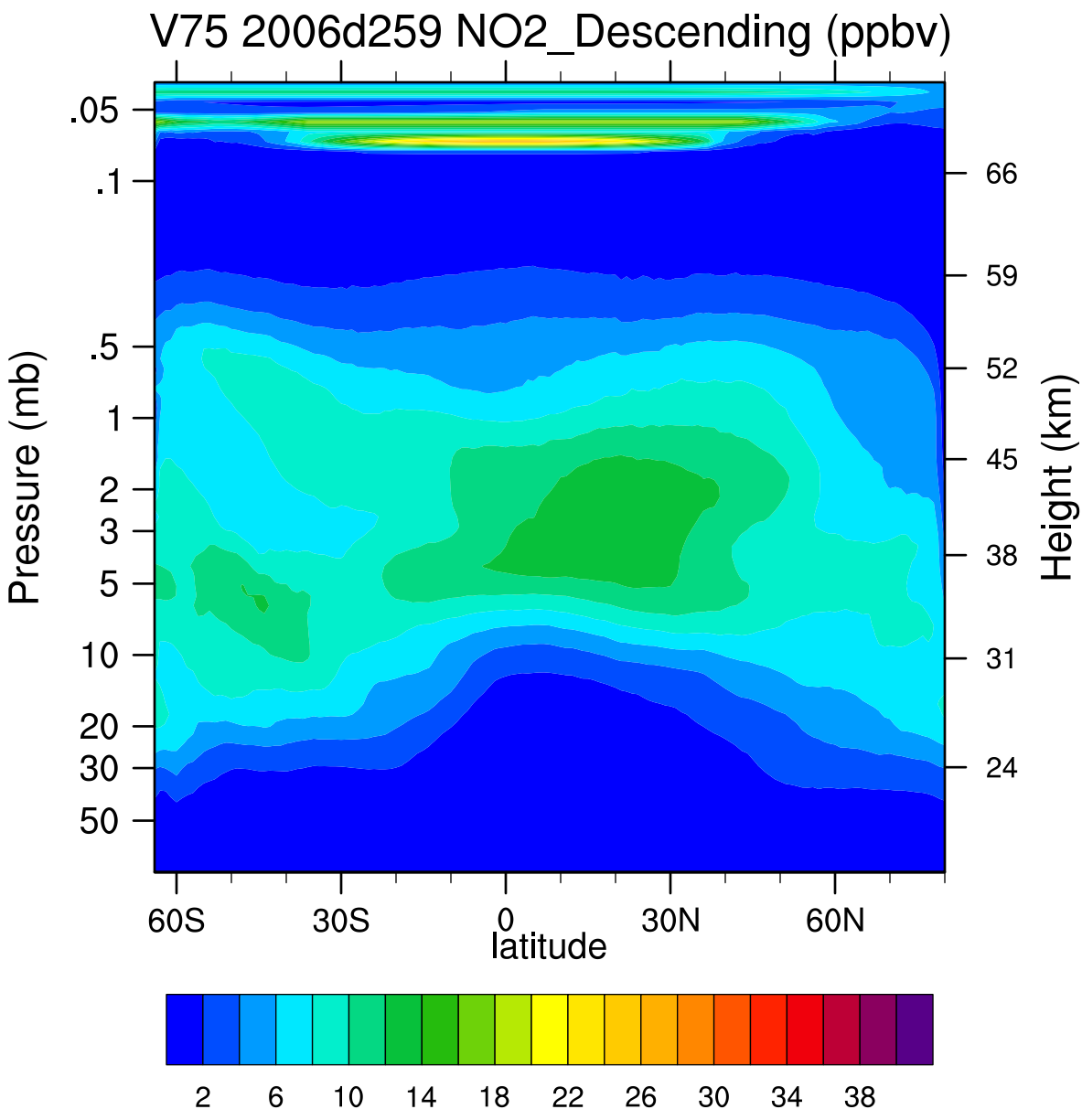
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Pressure (mb)
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38
31
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Height (km)
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30S
0
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60N
latitude
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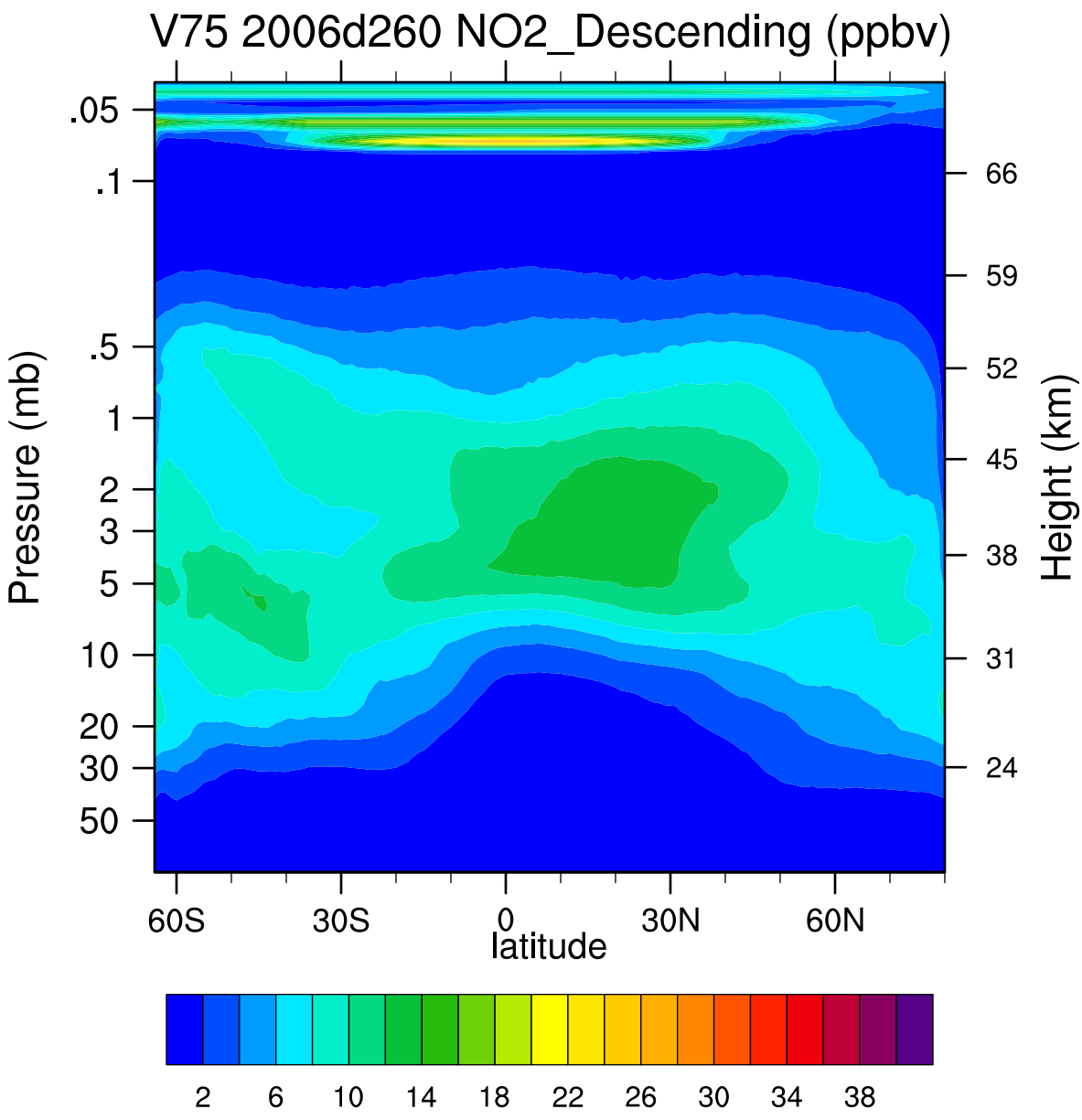
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Pressure (mb)
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38
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Height (km)
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latitude
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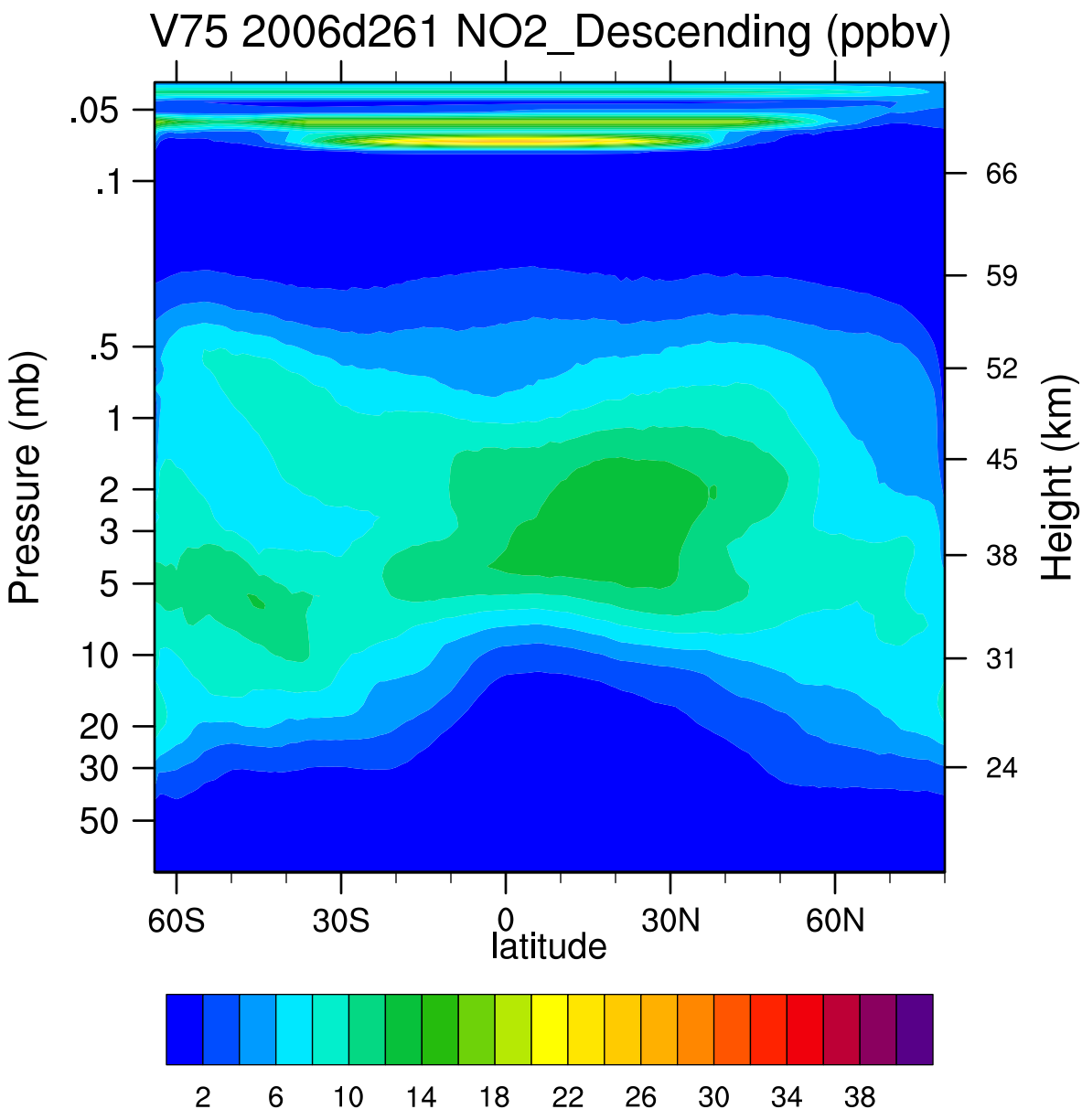
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Pressure (mb)
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38
31
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Height (km)
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30S
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60N
latitude
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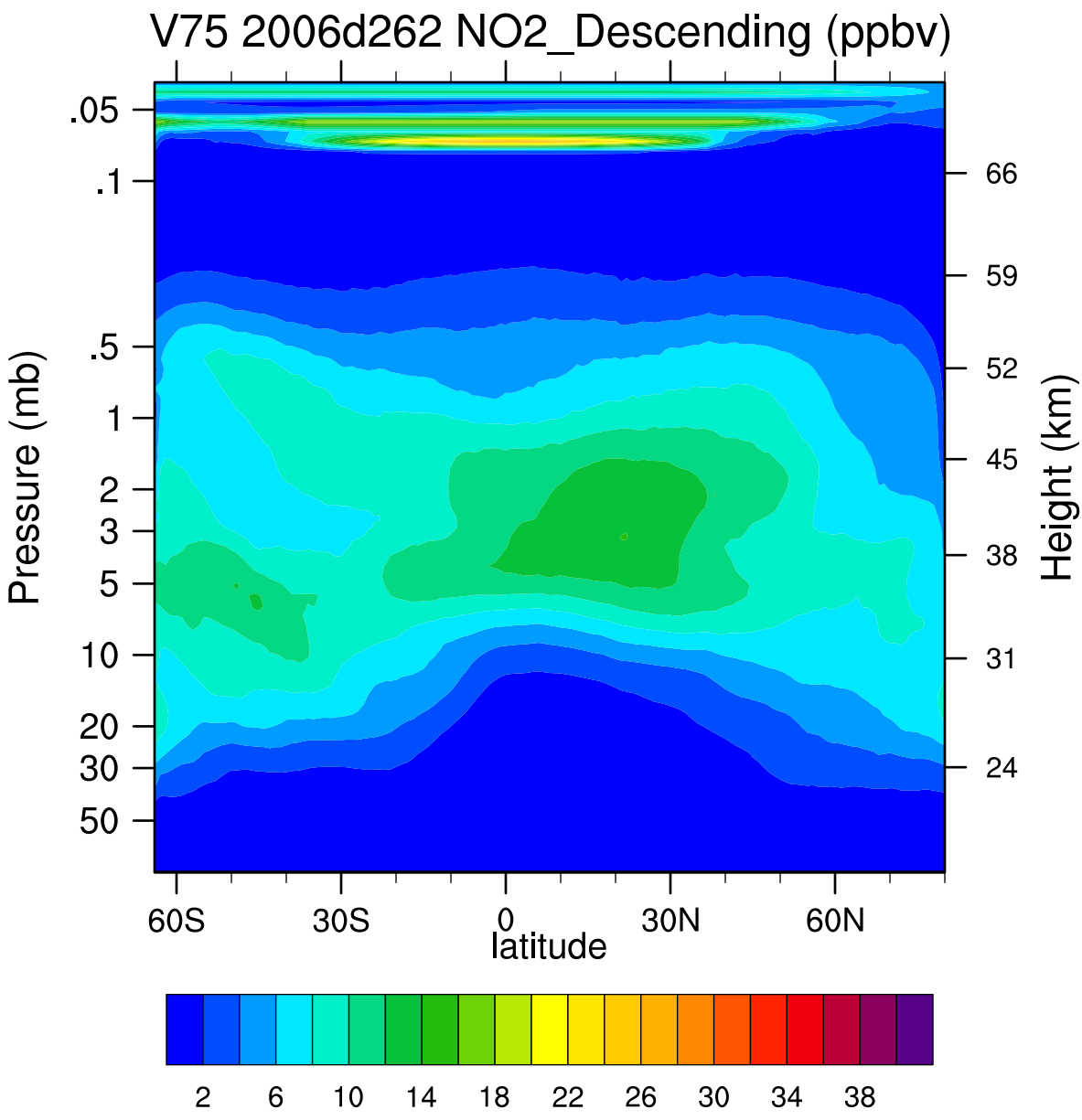
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Height (km)
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59
52
45
38
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30S
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60N
latitude
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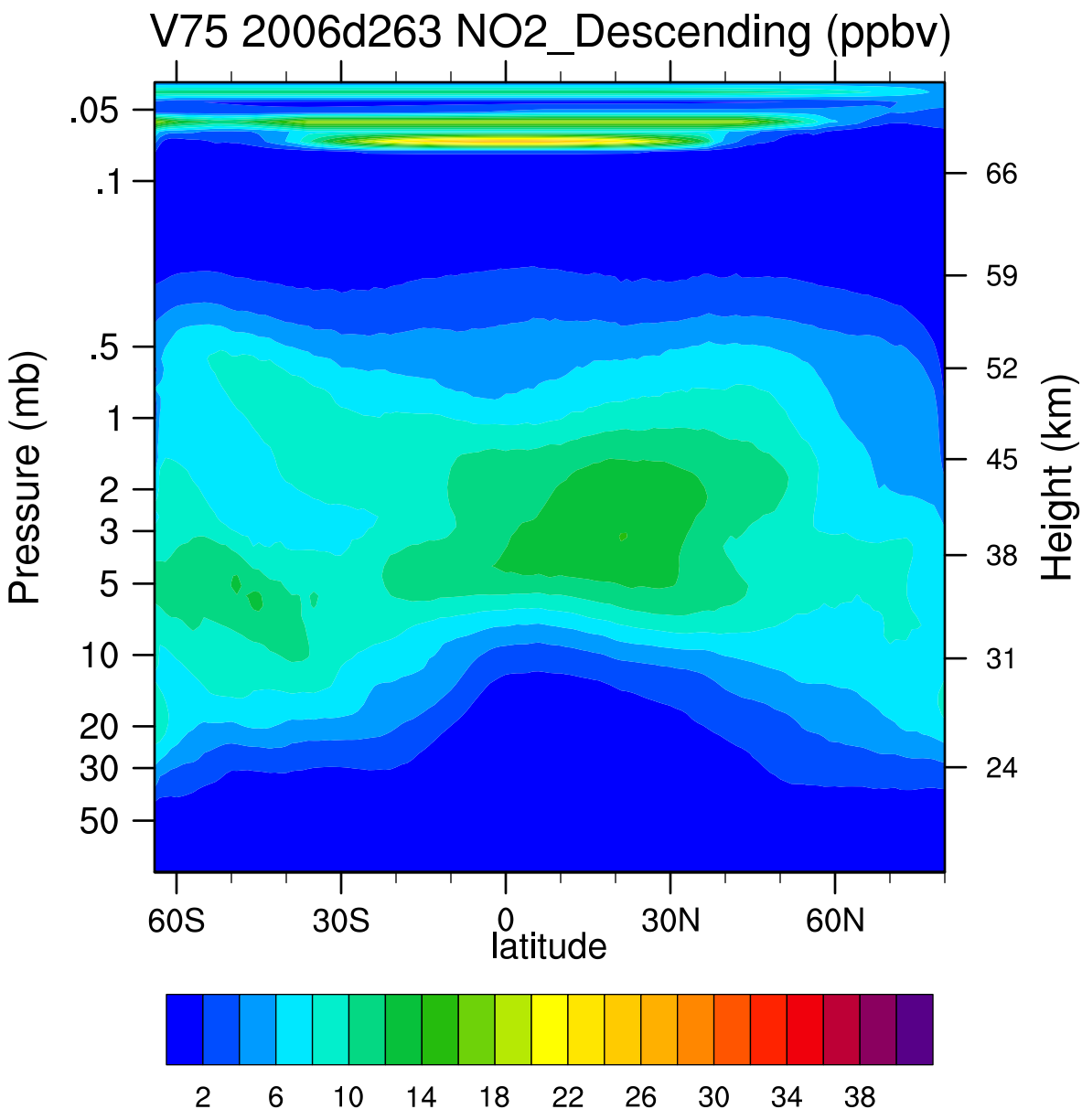
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Pressure (mb)
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45
38
31
24
Height (km)
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latitude
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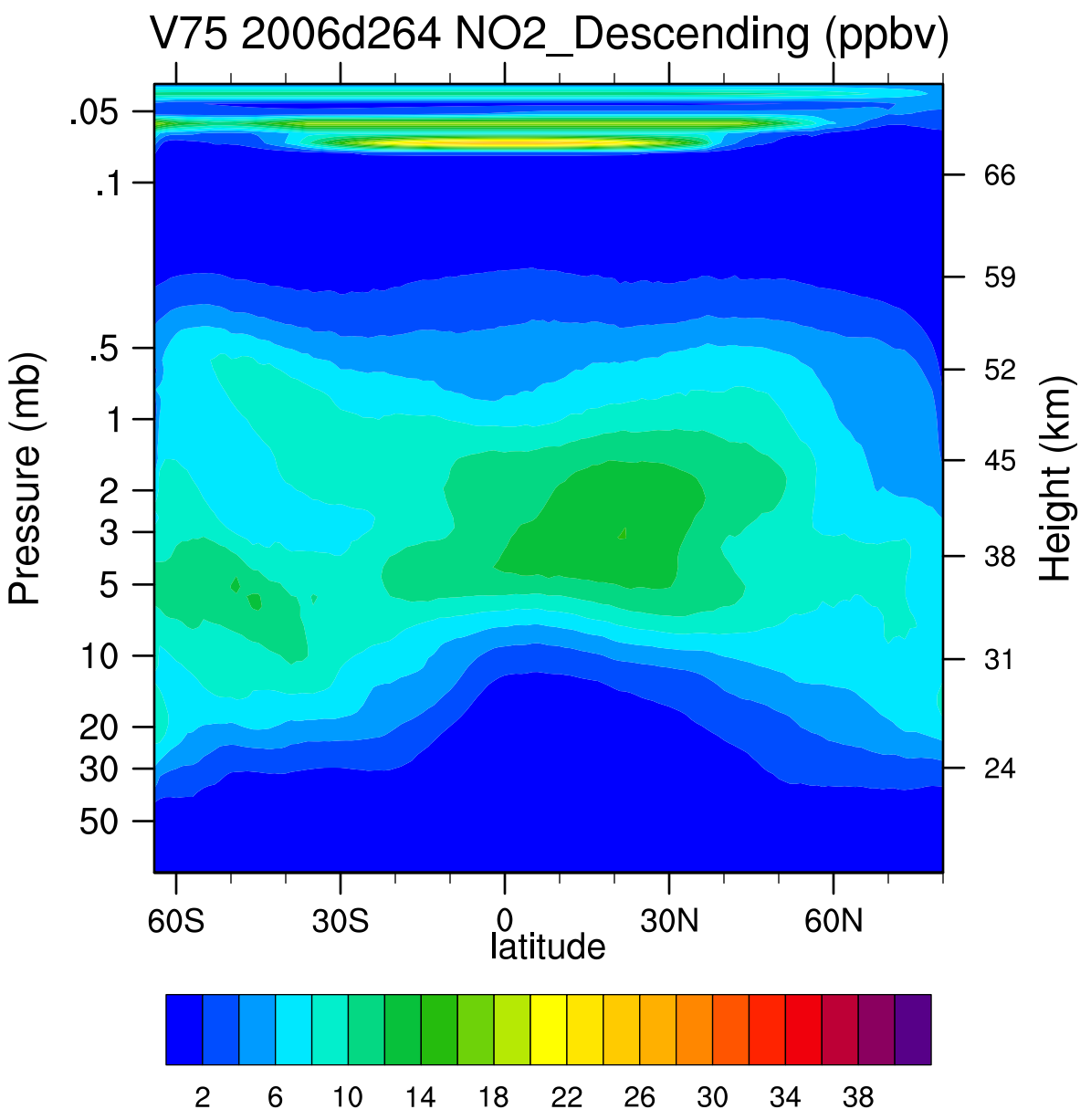
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Height (km)
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52
45
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60N
latitude
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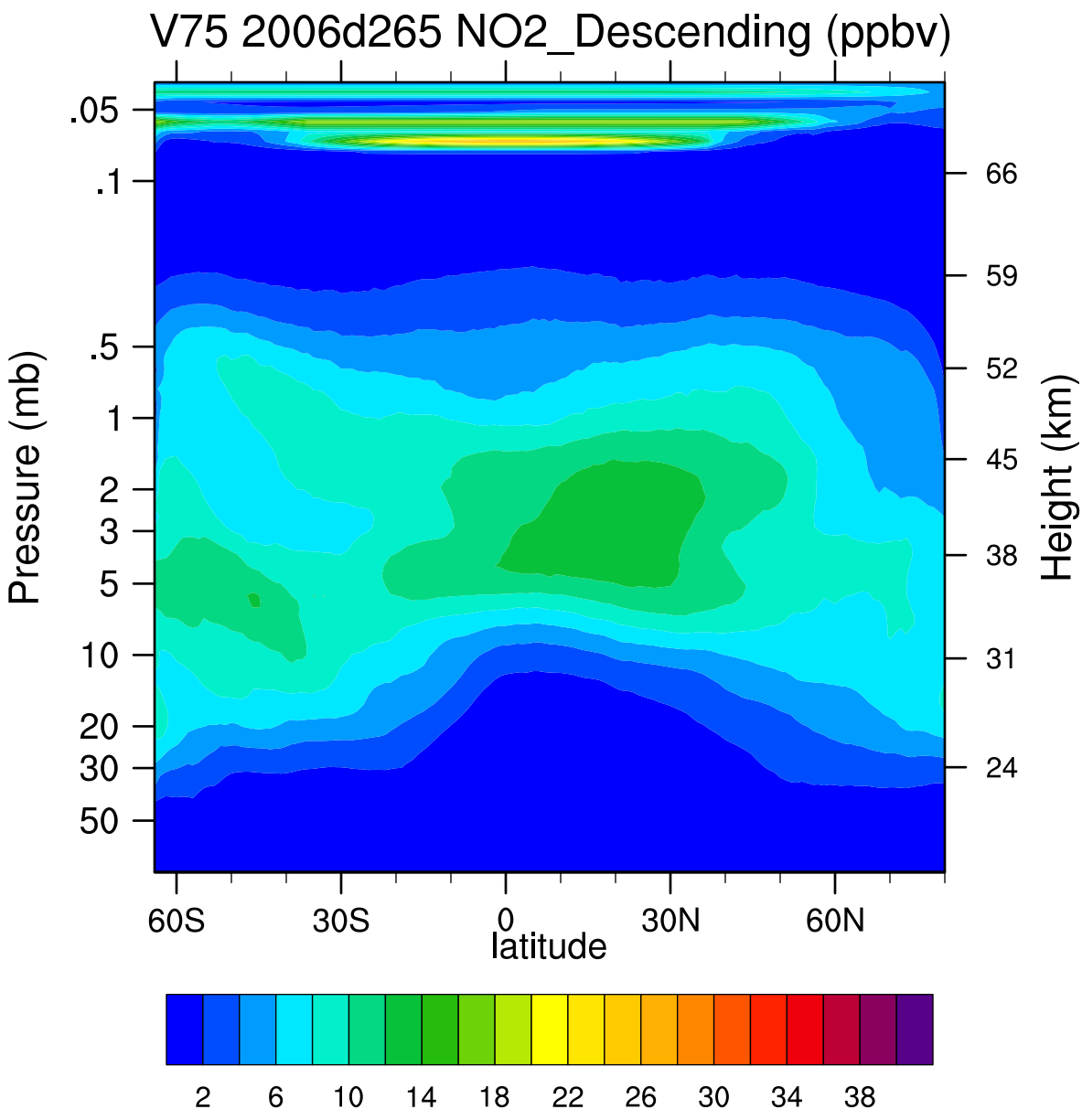
V75 2006d265 NO2_Descending (ppbv)
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Pressure (mb)
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52
45
38
31
24
Height (km)
60S
30S
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30N
60N
latitude
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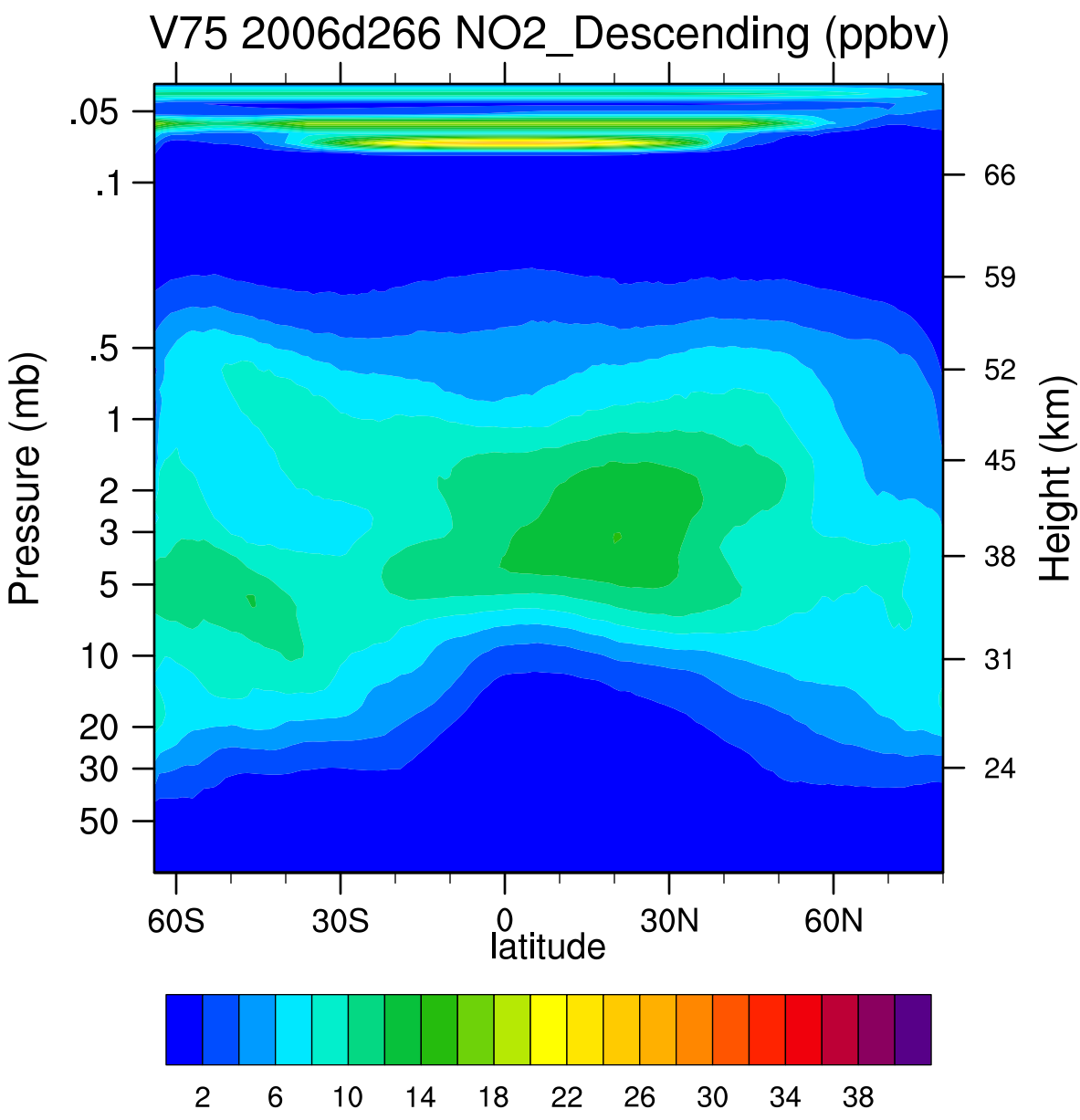
V75 2006d266 NO2_Descending (ppbv)
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Pressure (mb)
66
59
52
45
38
31
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Height (km)
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30S
0
30N
60N
latitude
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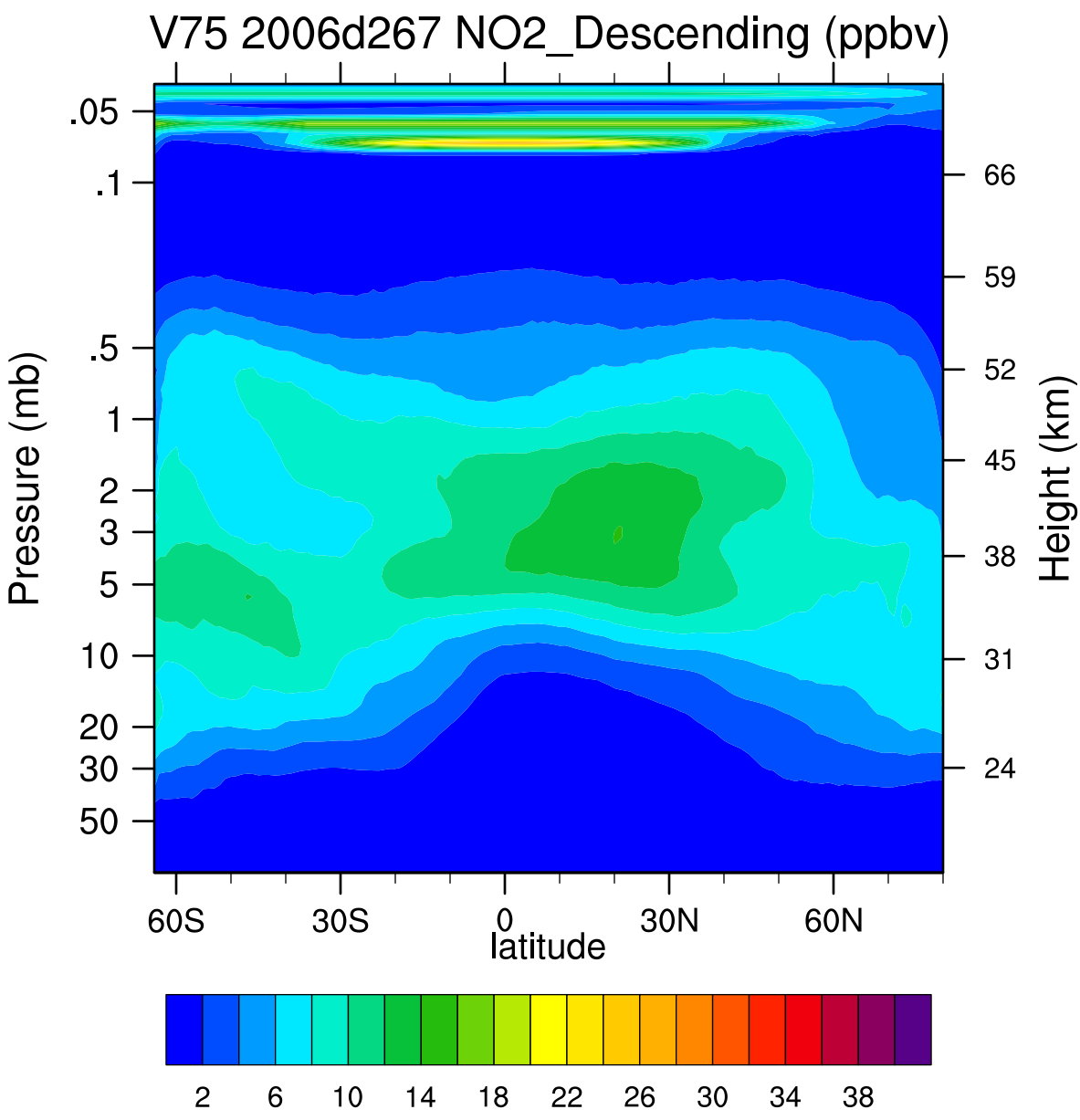
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Pressure (mb)
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45
38
31
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Height (km)
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0
30N
60N
latitude
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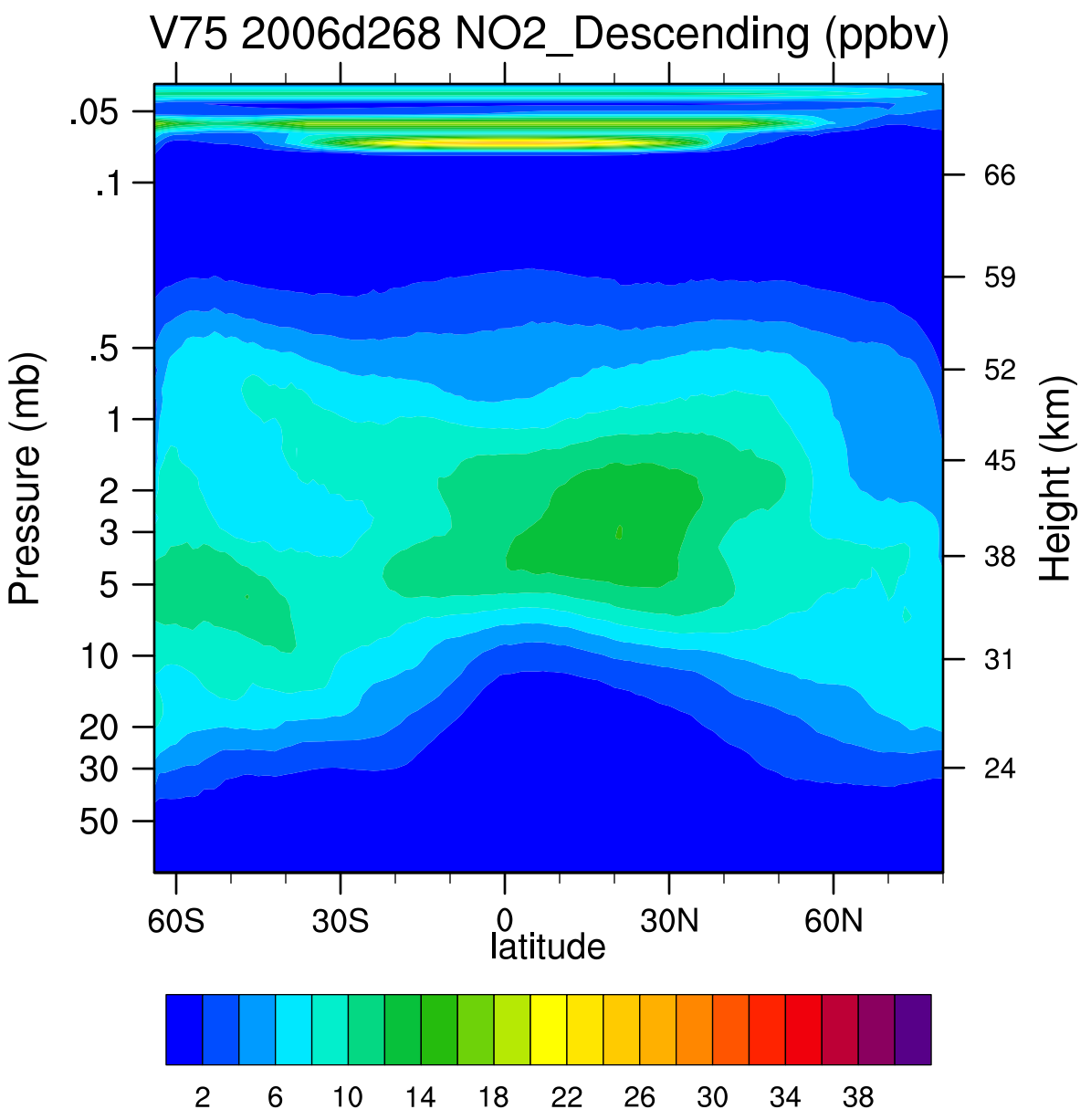
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Pressure (mb)
66
59
52
45
38
31
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Height (km)
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0
30N
60N
latitude
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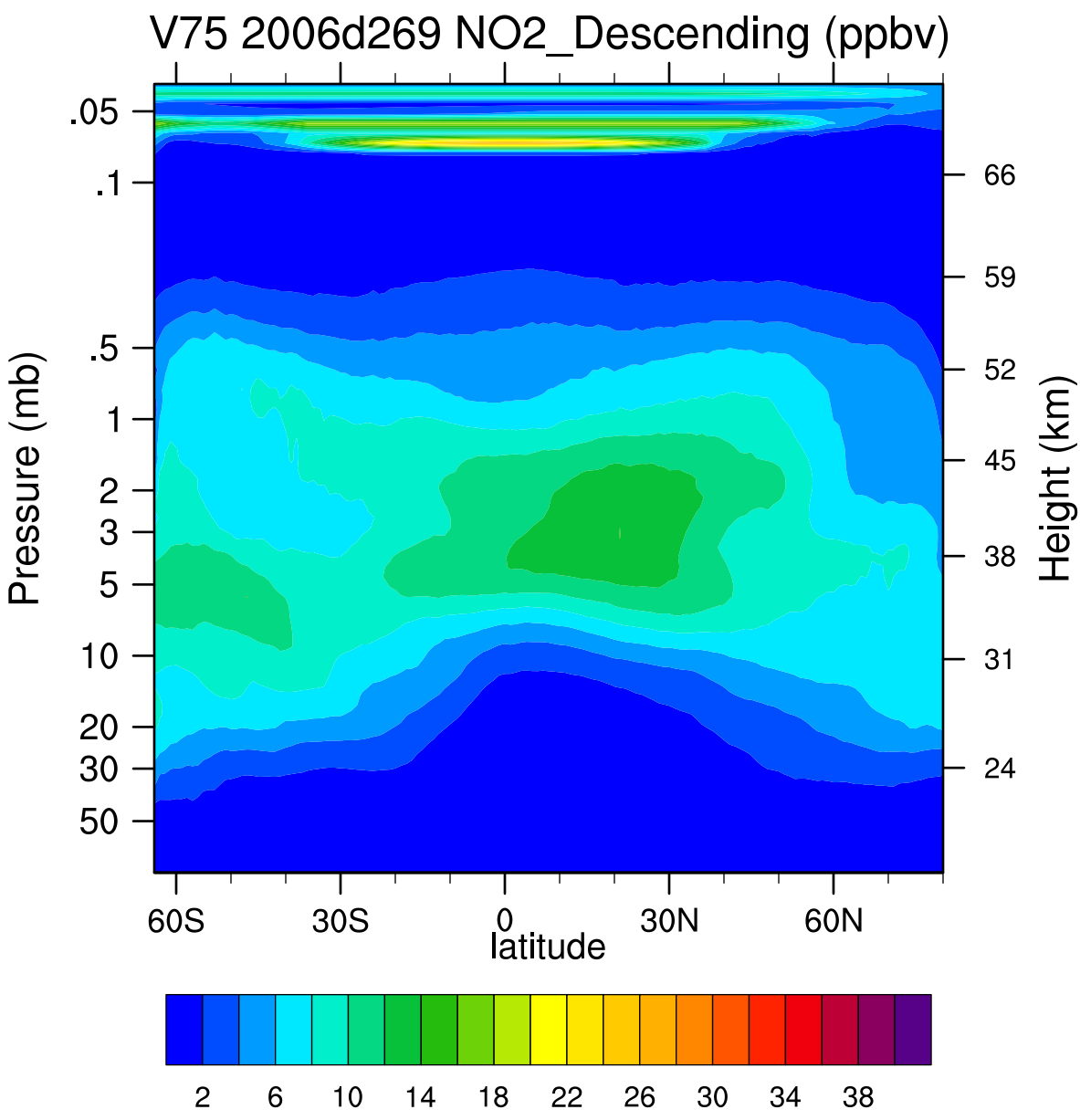
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Pressure (mb)
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59
52
45
38
31
24
Height (km)
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0
30N
60N
latitude
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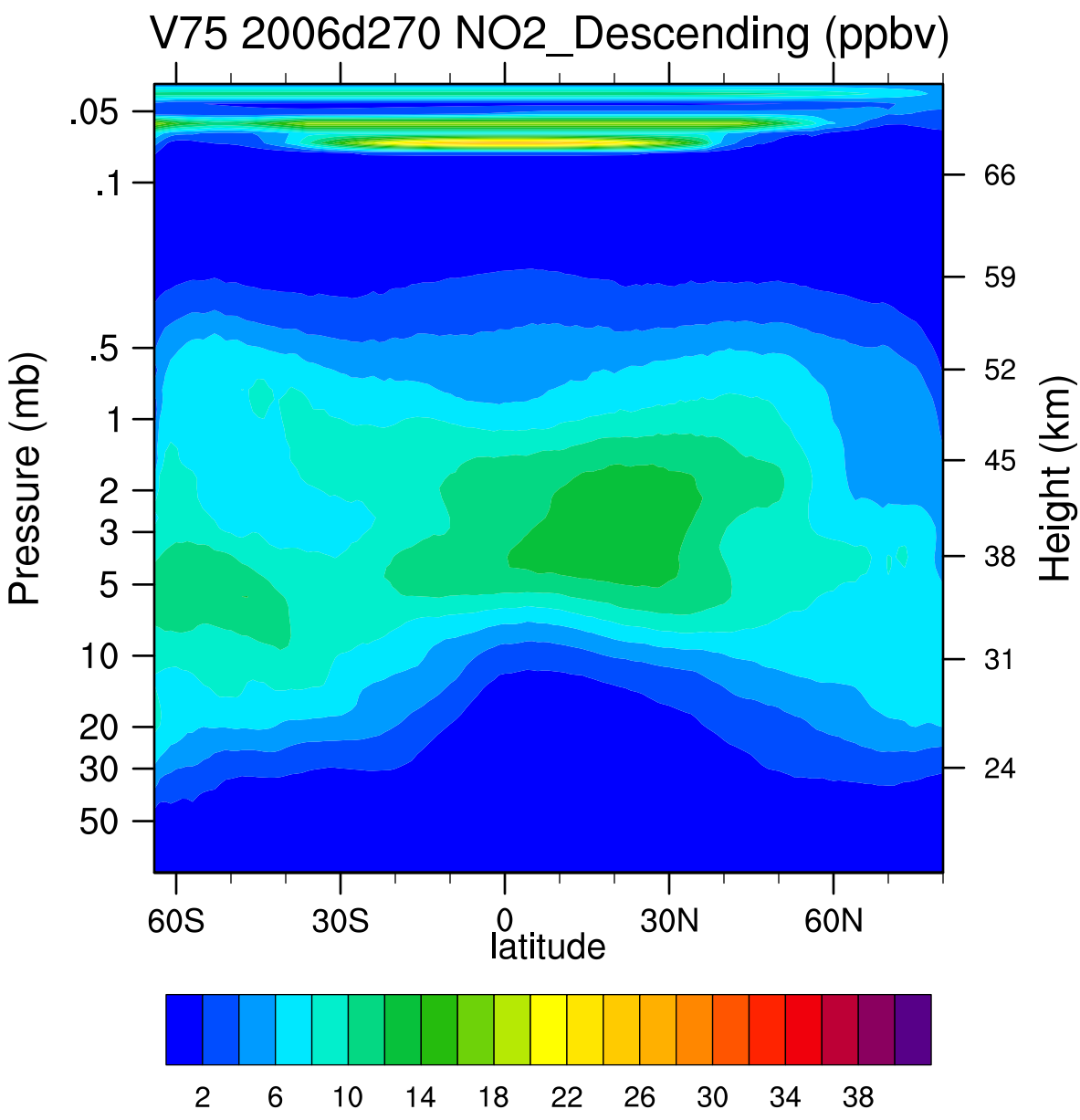
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Pressure (mb)
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38
31
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Height (km)
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0
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60N
latitude
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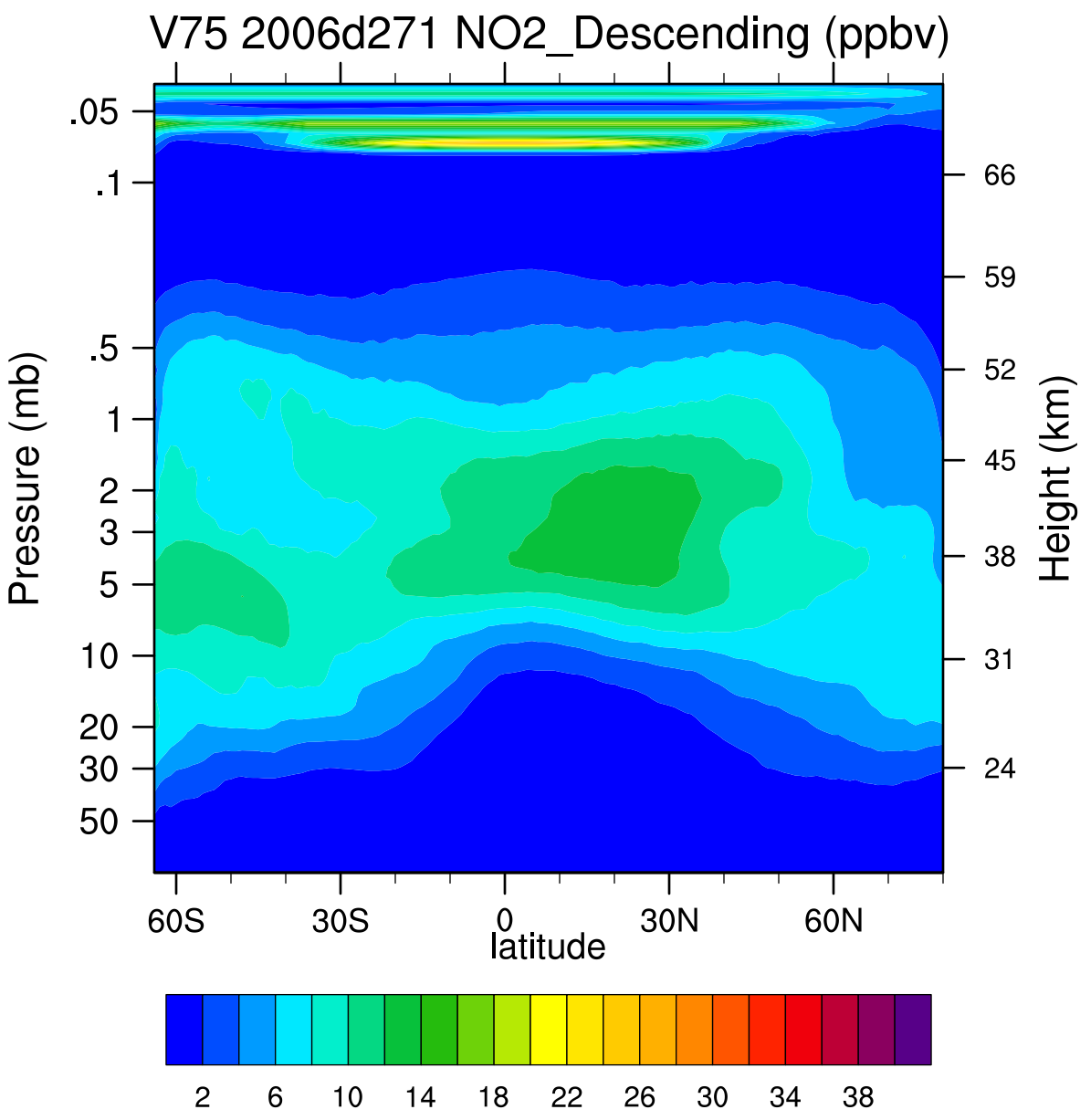
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Pressure (mb)
66
59
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45
38
31
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Height (km)
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0
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60N
latitude
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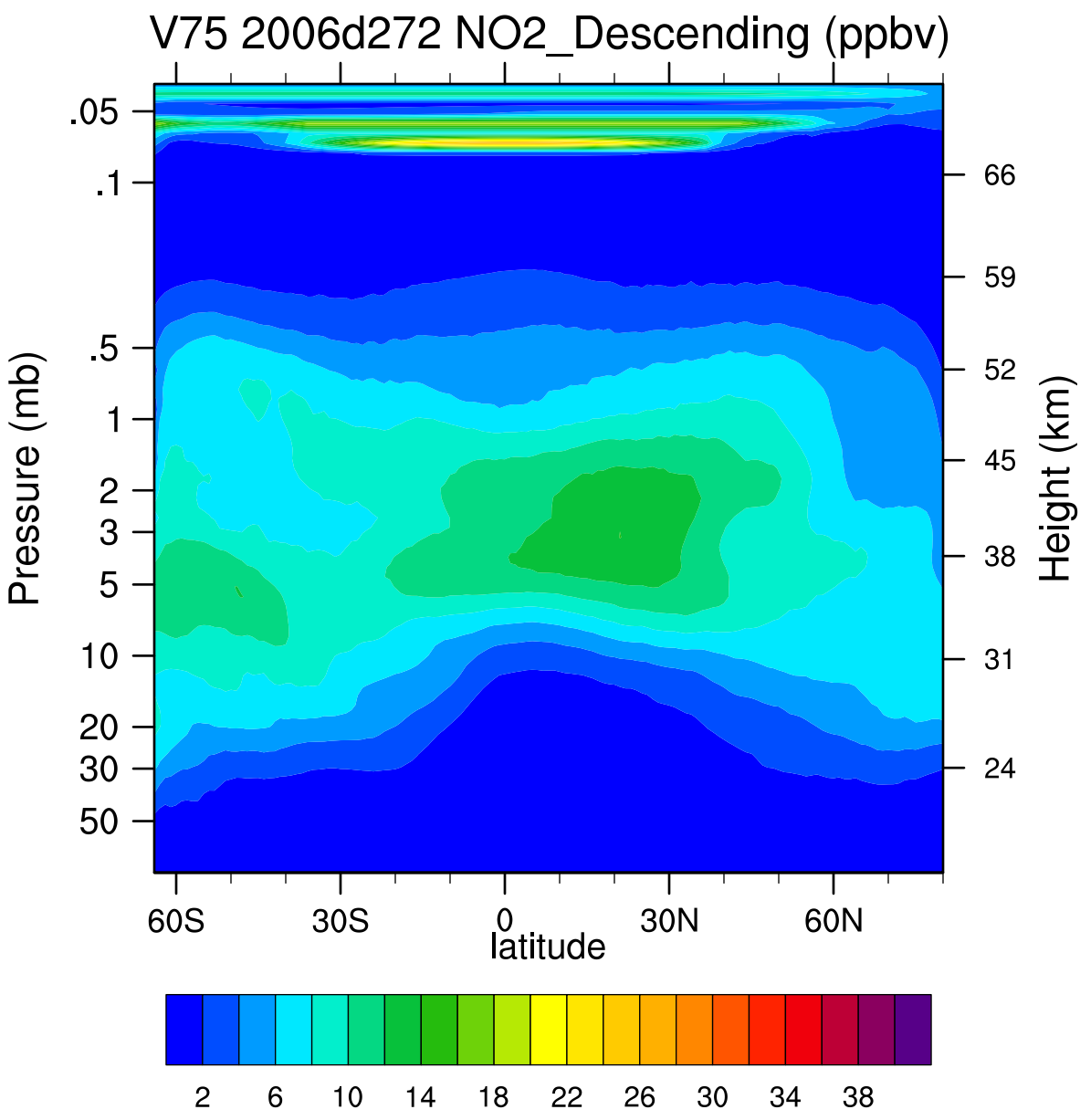
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Pressure (mb)
66
59
52
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38
31
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Height (km)
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0
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60N
latitude
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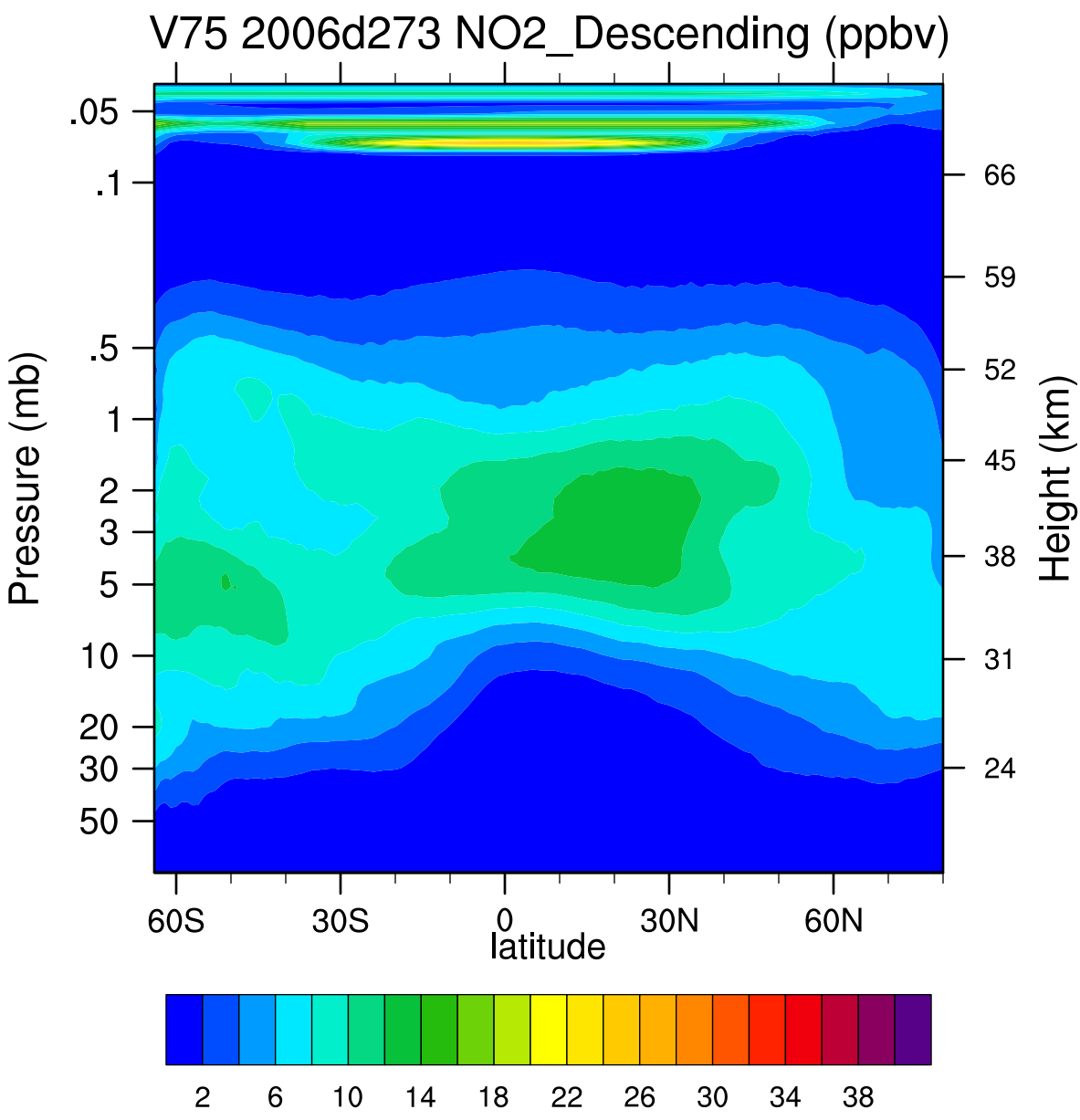
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Pressure (mb)
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59
52
45
38
31
24
Height (km)
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30S
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30N
60N
latitude
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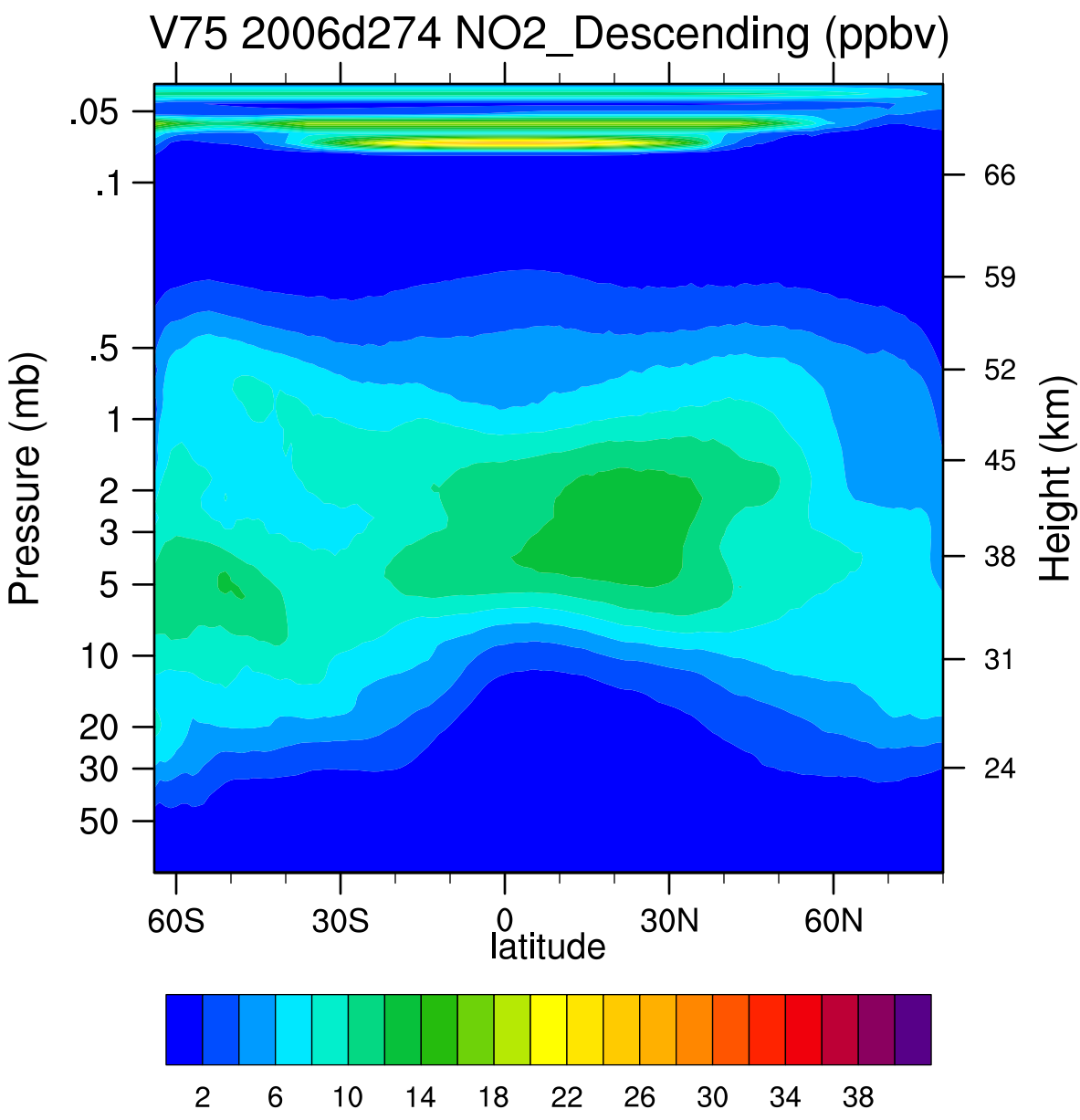
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Pressure (mb)
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5
10
20
30
50
Height (km)
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59
52
45
38
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24
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30S
0
30N
60N
latitude
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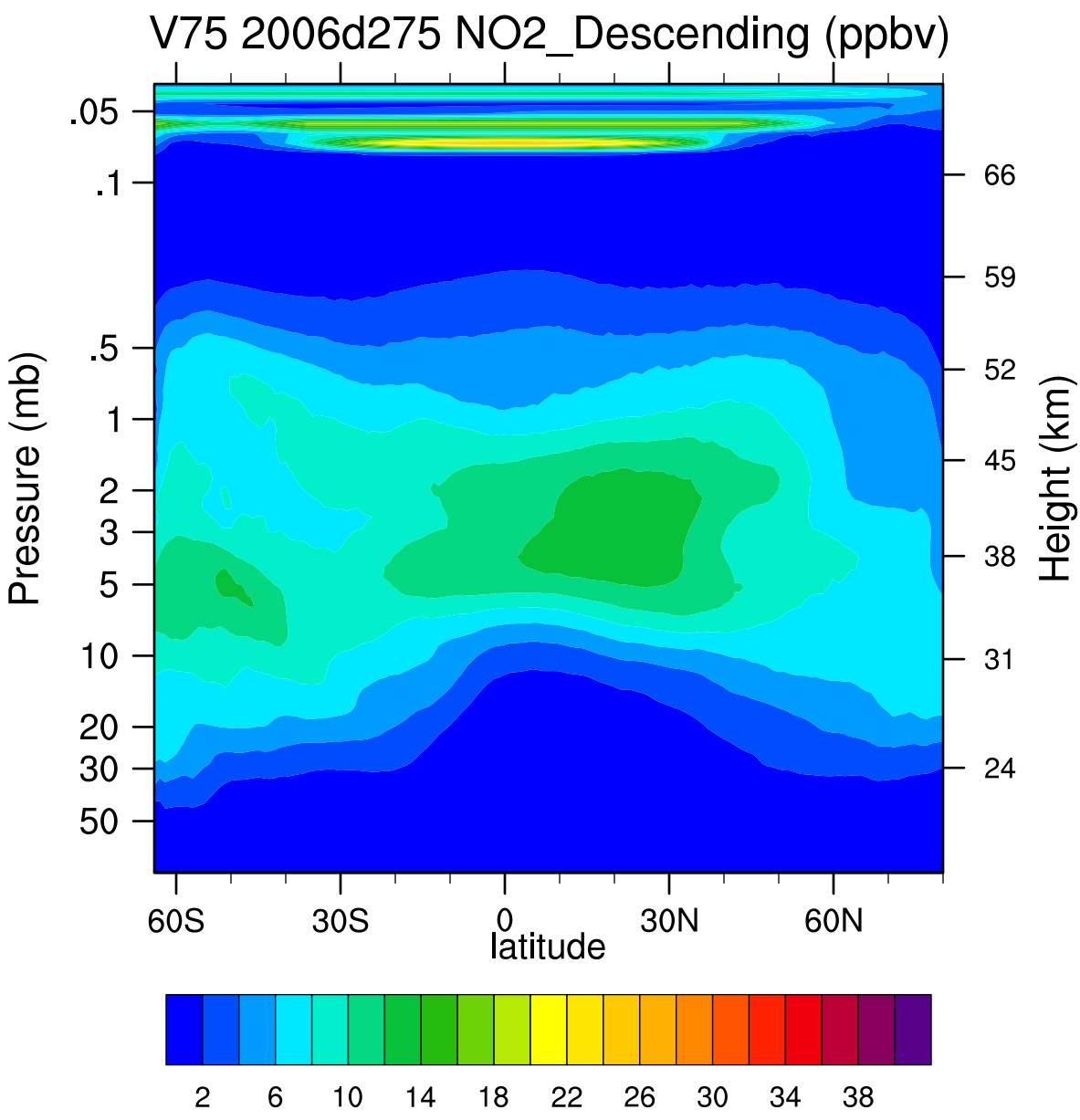
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Pressure (mb)
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52
45
38
31
24
Height (km)
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30S
0
30N
60N
latitude
2
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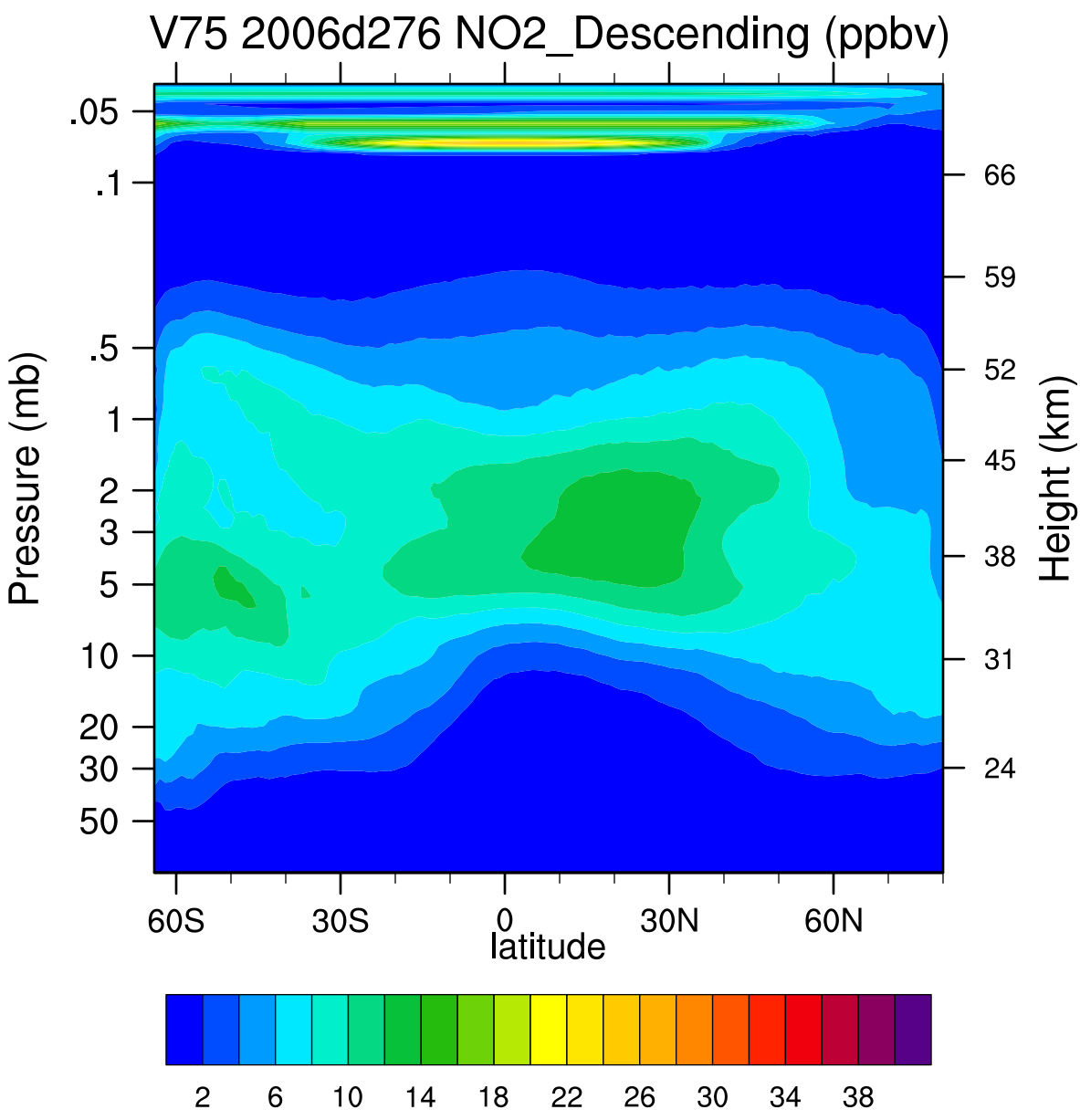
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Pressure (mb)
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52
45
38
31
24
Height (km)
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30S
0
30N
60N
latitude
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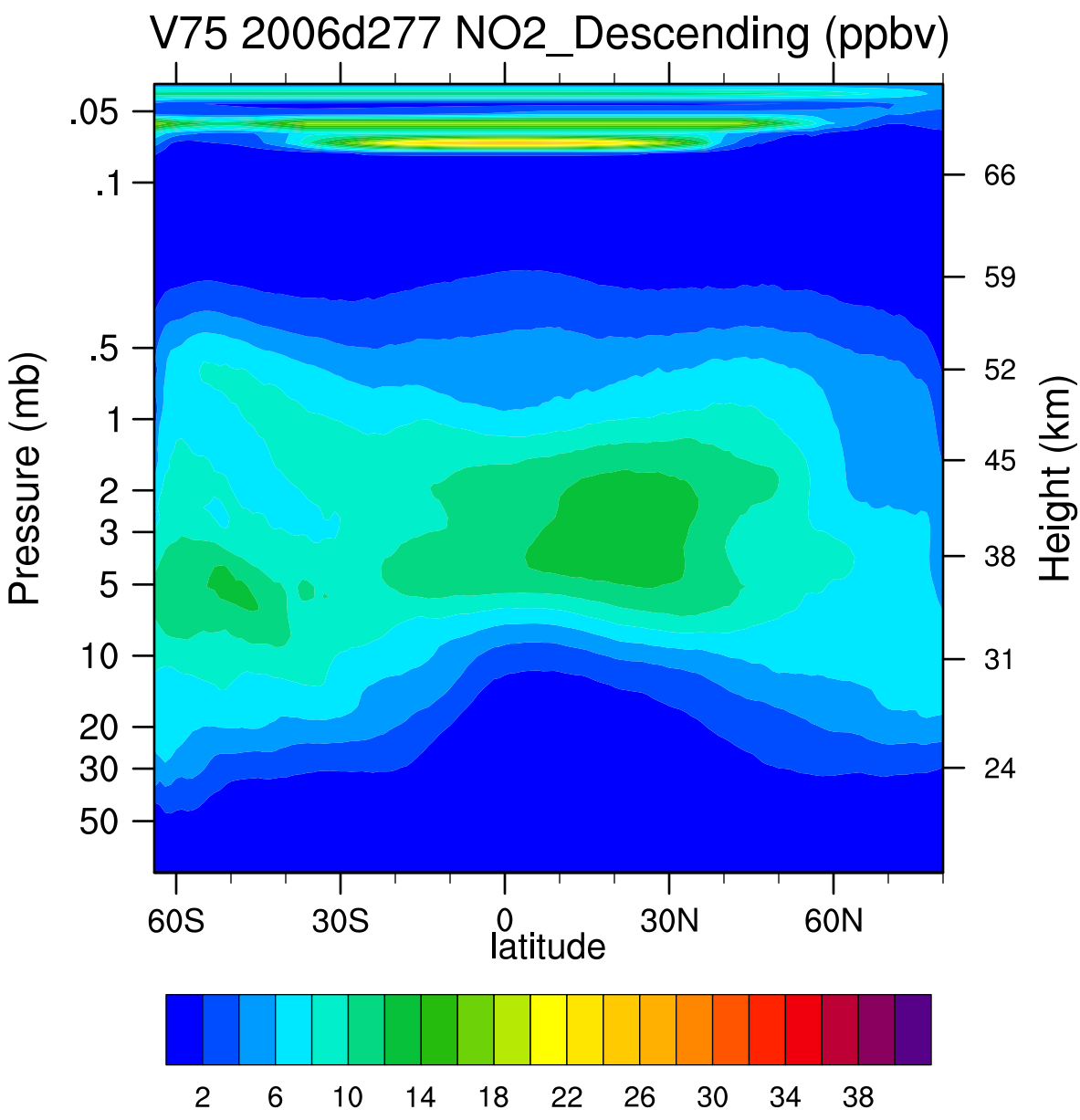
V75 2006d277 NO2_Descending (ppbv)
Pressure (mb)
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.1
.5
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3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
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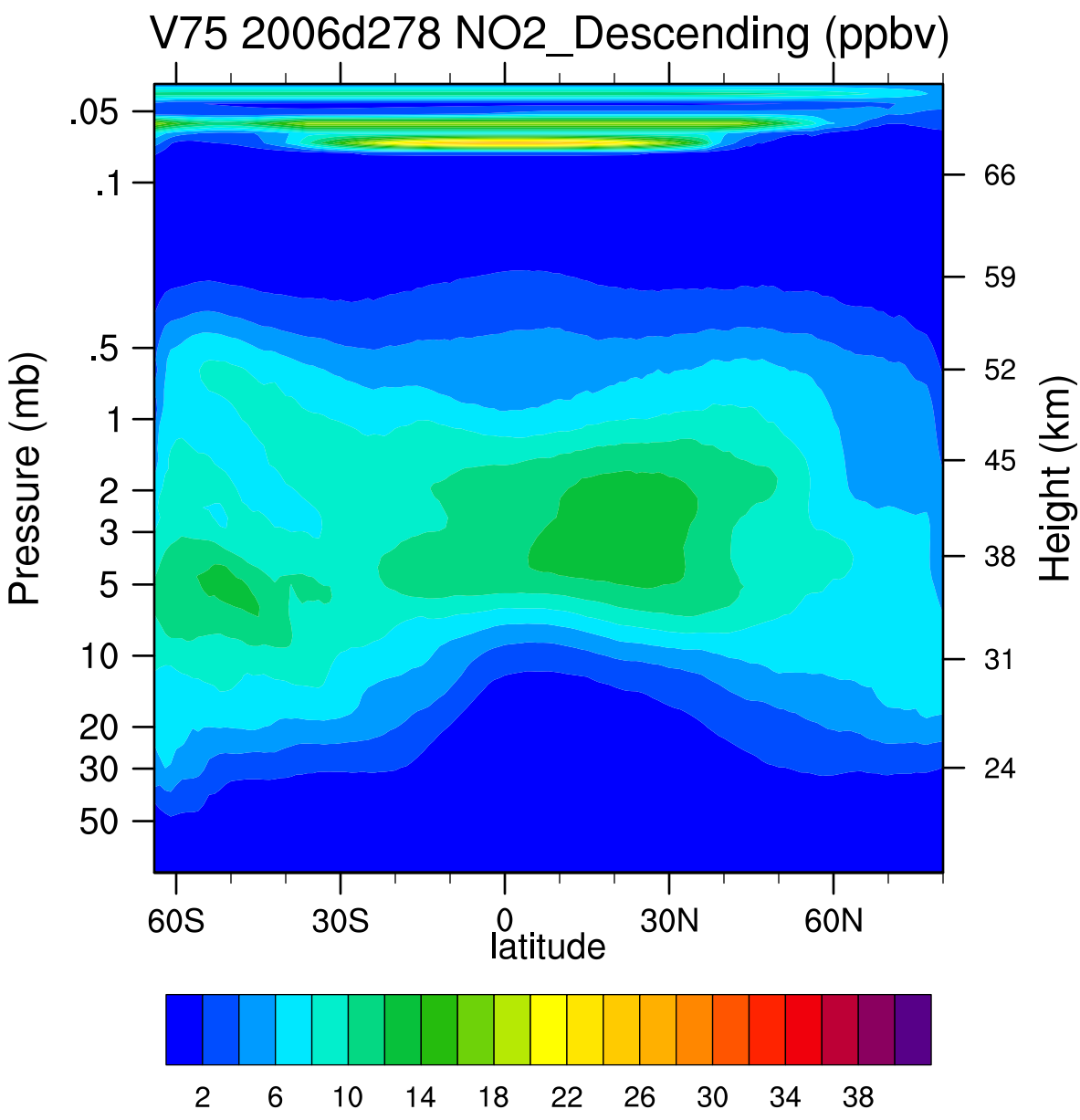
V75 2006d278 NO2_Descending (ppbv)
Pressure (mb)
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5
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20
30
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Height (km)
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59
52
45
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24
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30S
0
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60N
latitude
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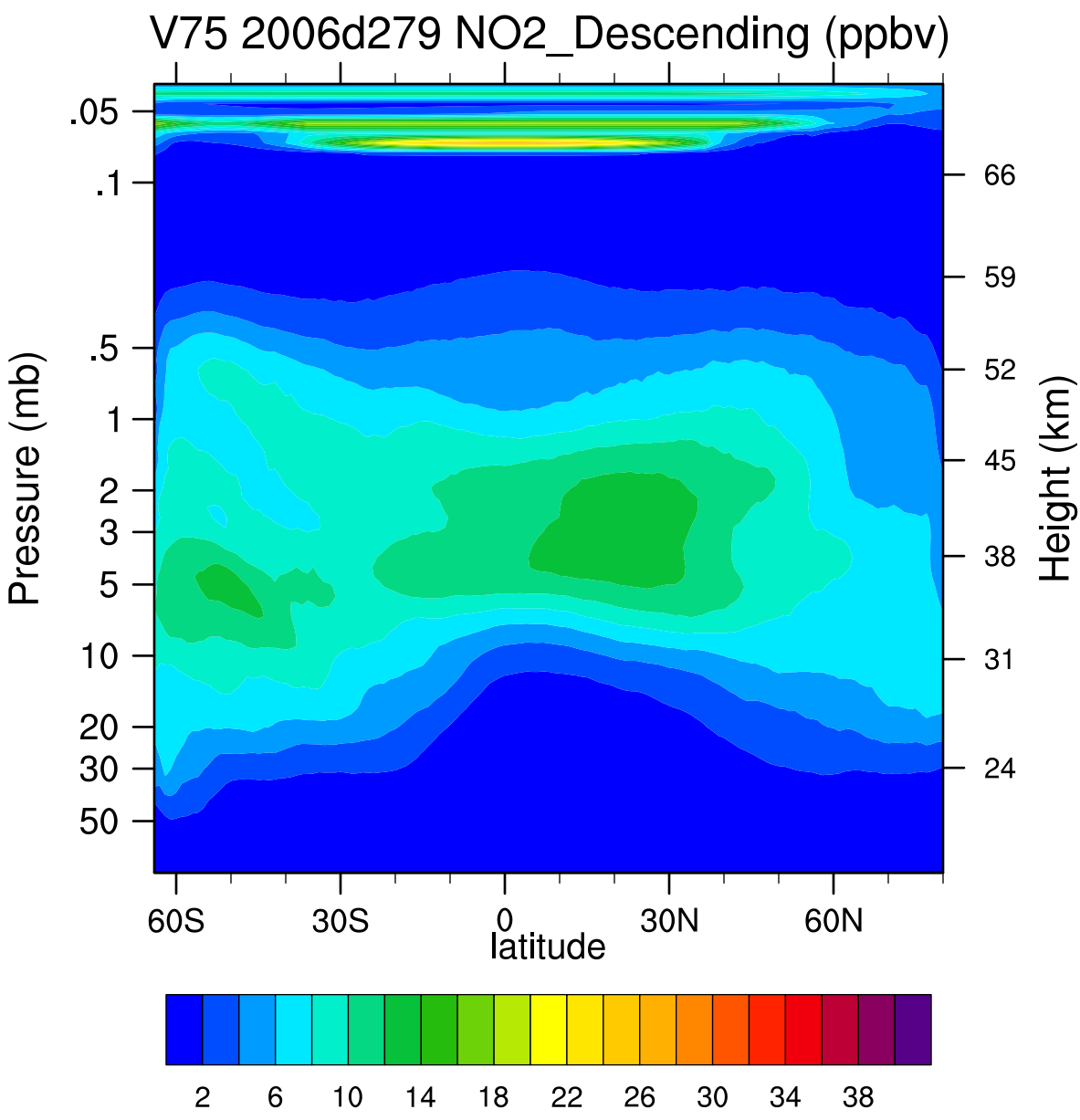
V75 2006d279 NO2_Descending (ppbv)
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2
3
5
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30
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Pressure (mb)
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59
52
45
38
31
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Height (km)
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30S
0
30N
60N
latitude
2
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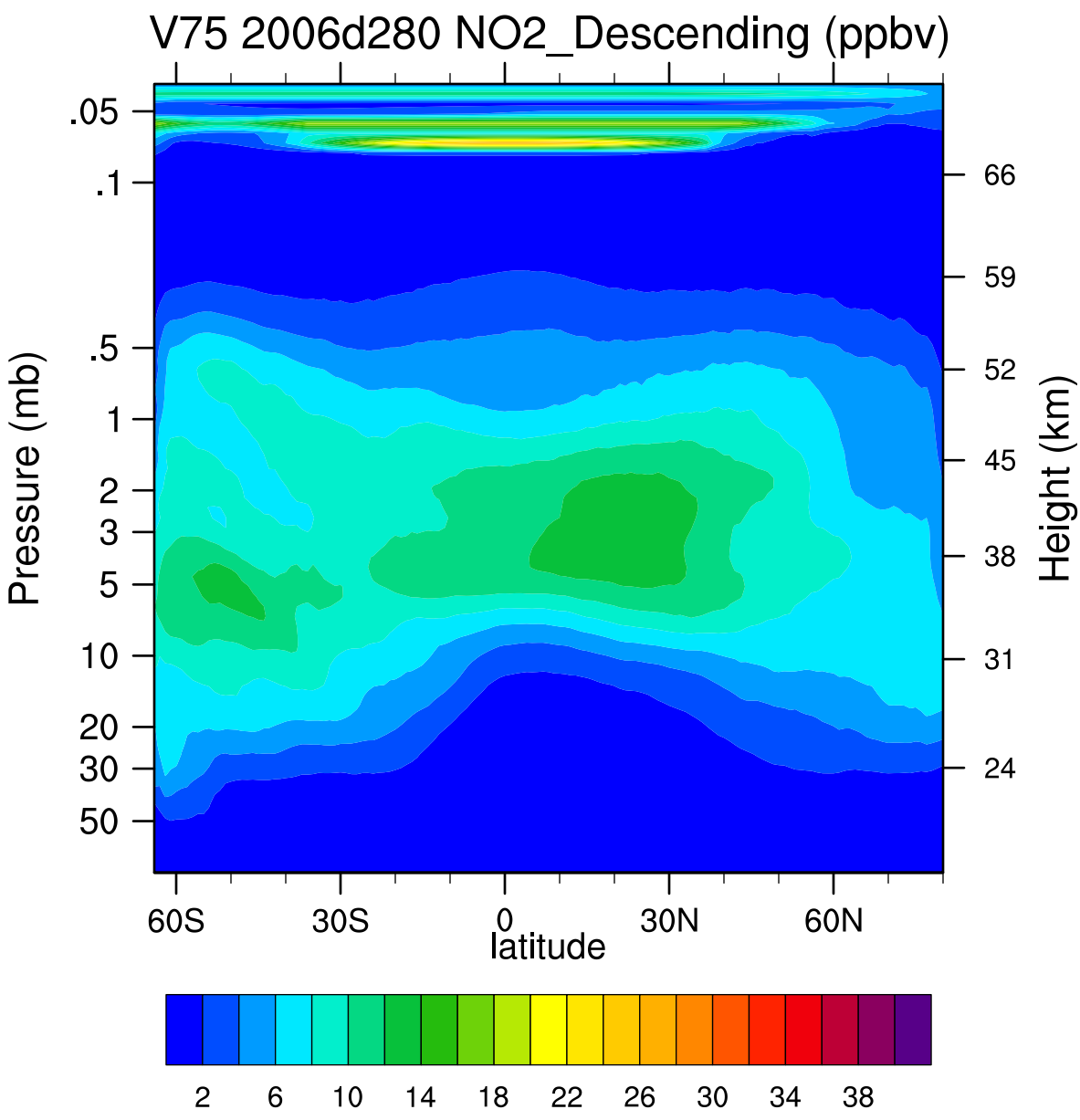
V75 2006d280 NO2_Descending (ppbv)
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Pressure (mb)
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59
52
45
38
31
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Height (km)
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0
30N
60N
latitude
2
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10
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26
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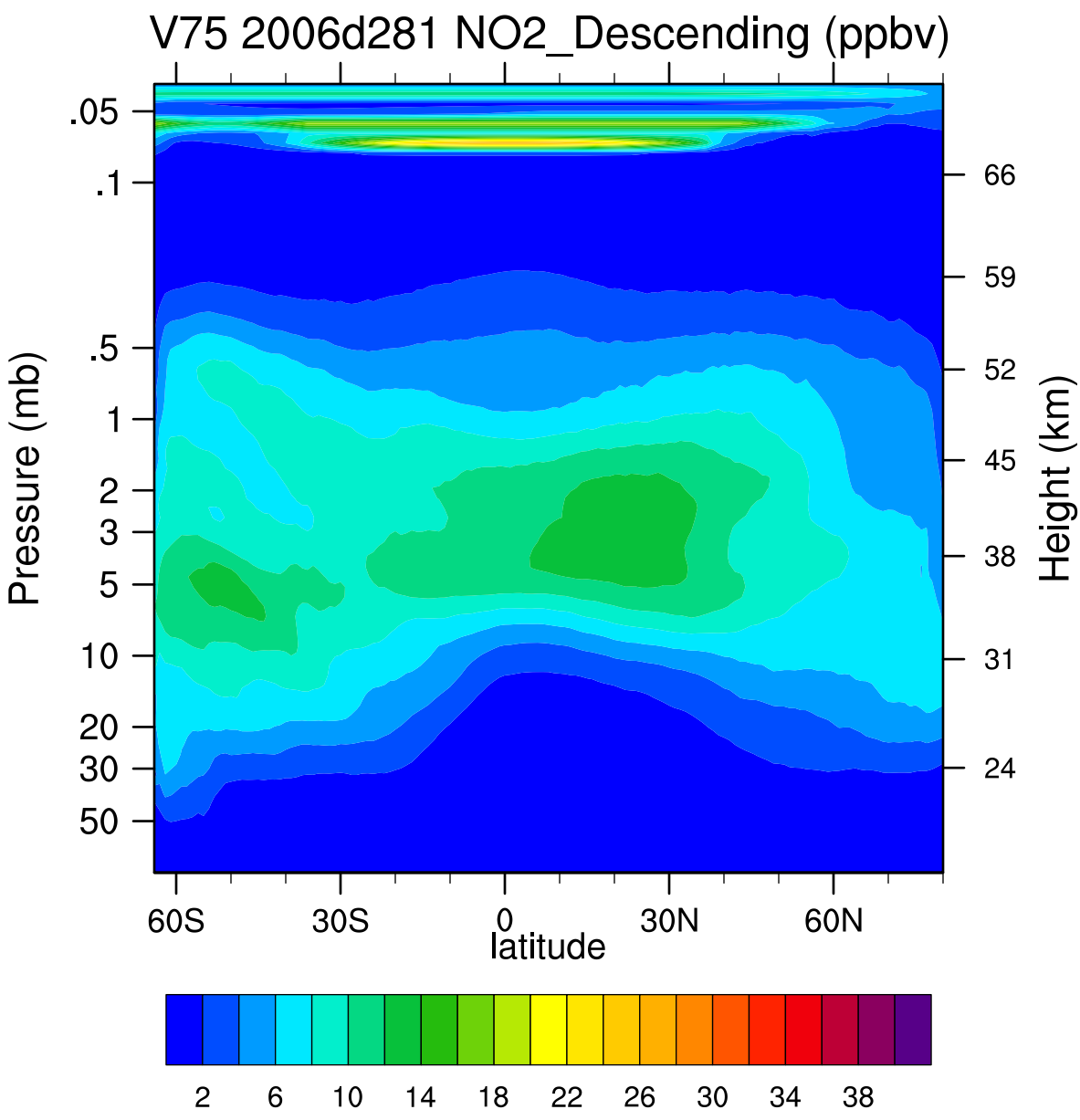
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Pressure (mb)
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52
45
38
31
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Height (km)
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30S
0
30N
60N
latitude
2
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10
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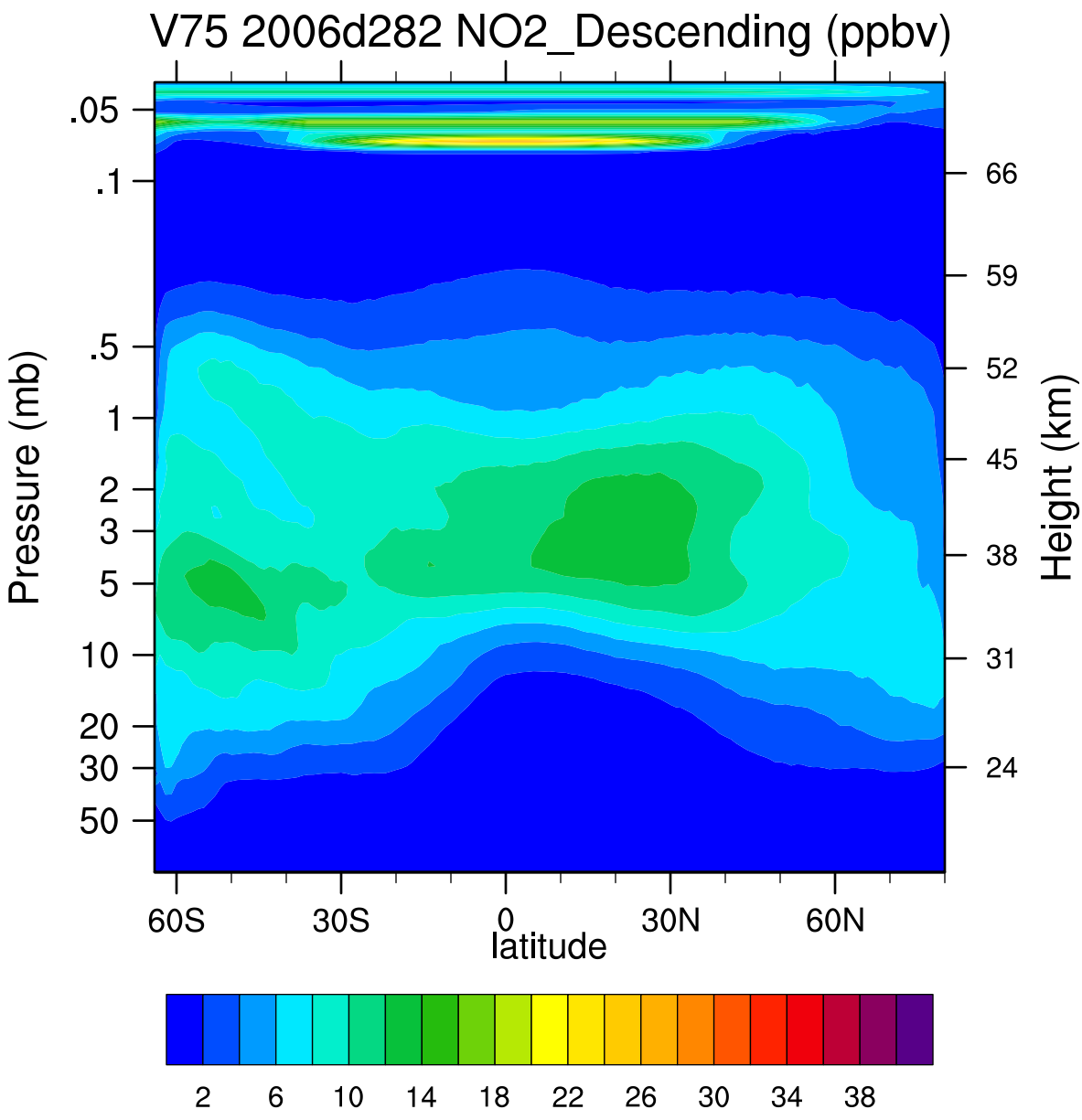
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Pressure (mb)
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30
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Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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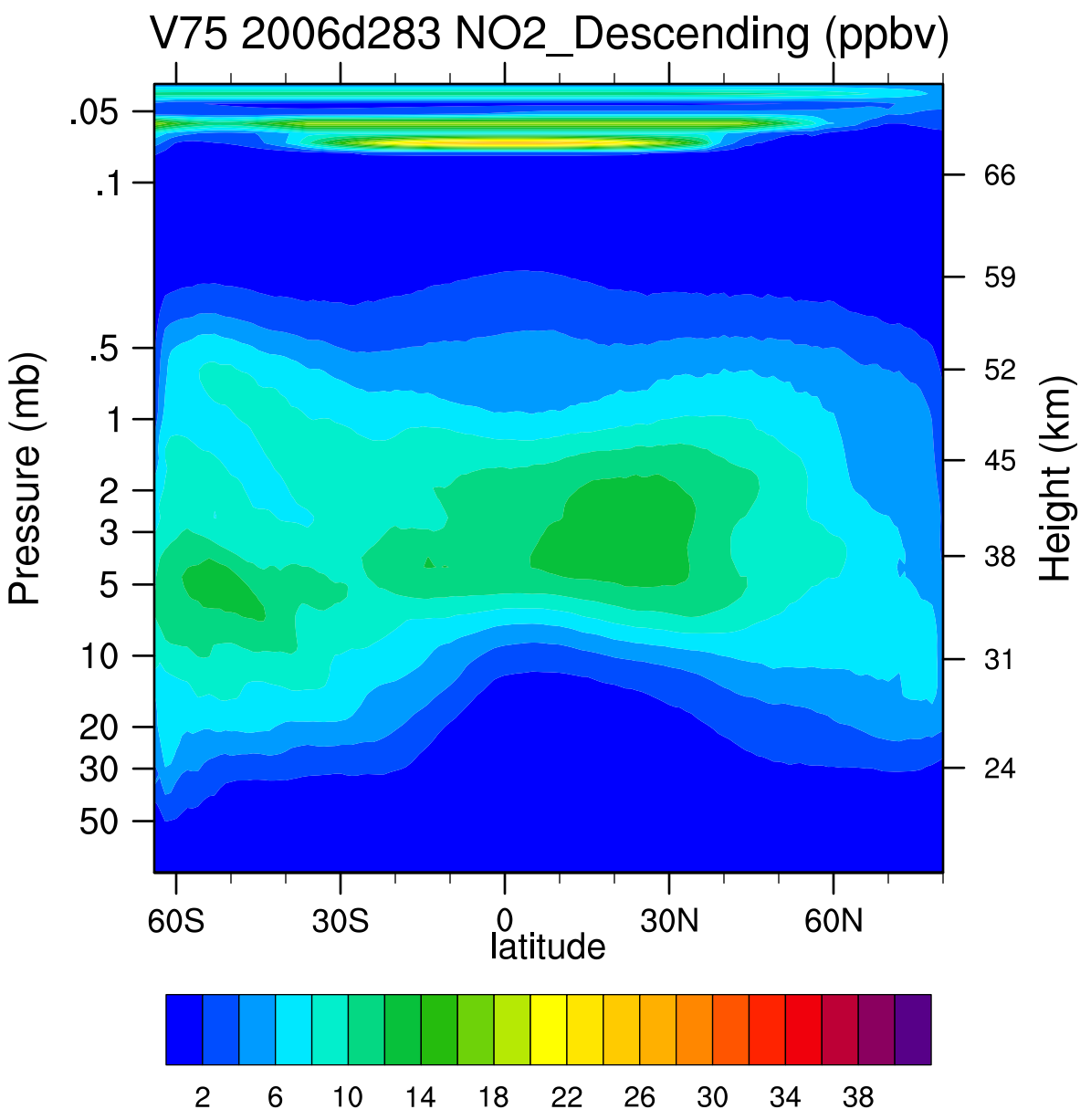
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Pressure (mb)
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2
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Height (km)
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59
52
45
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0
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60N
latitude
2
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10
14
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26
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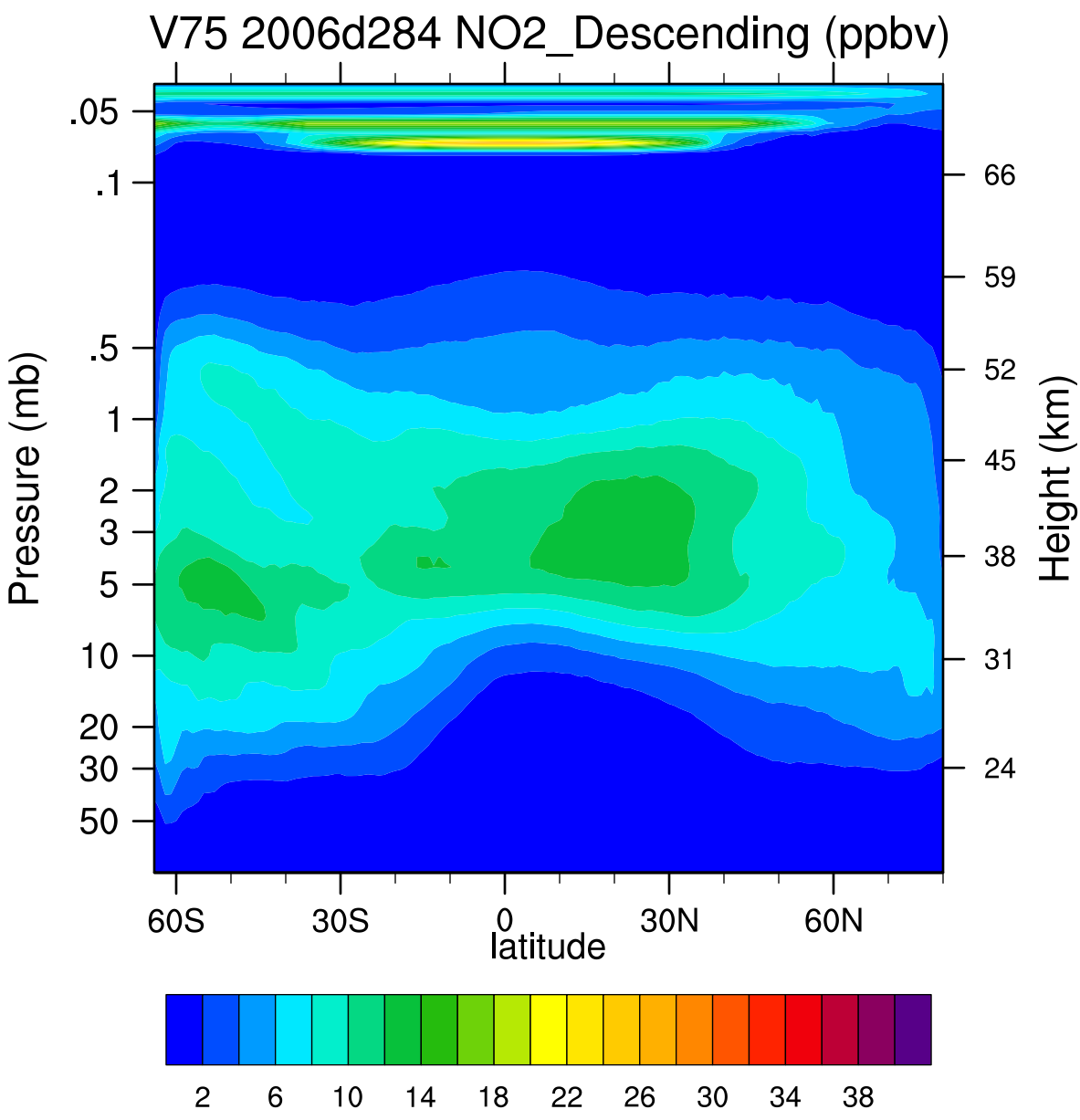
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Pressure (mb)
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38
31
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Height (km)
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0
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60N
latitude
2
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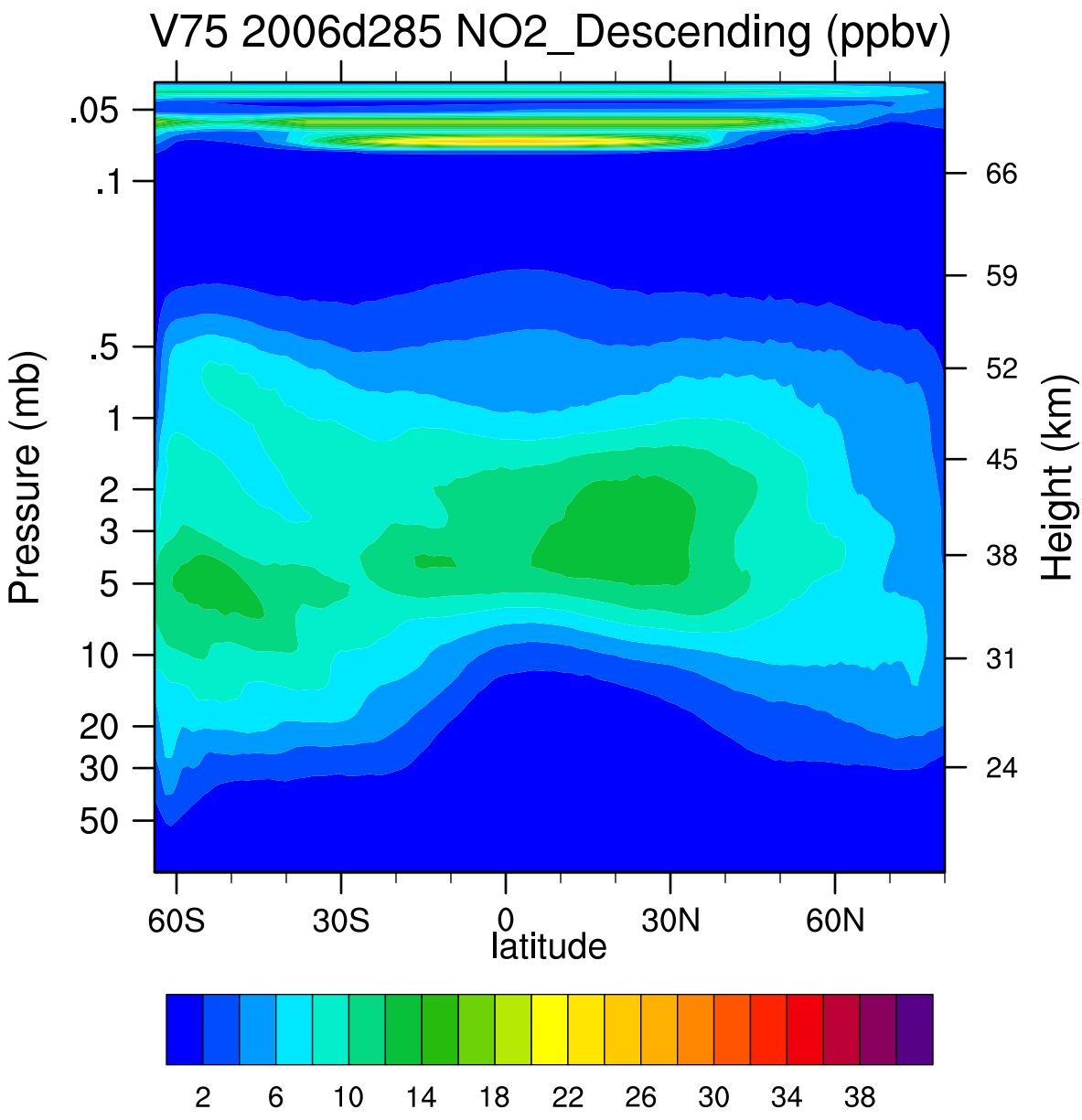
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Pressure (mb)
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Height (km)
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52
45
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24
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30S
0
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60N
latitude
2
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10
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26
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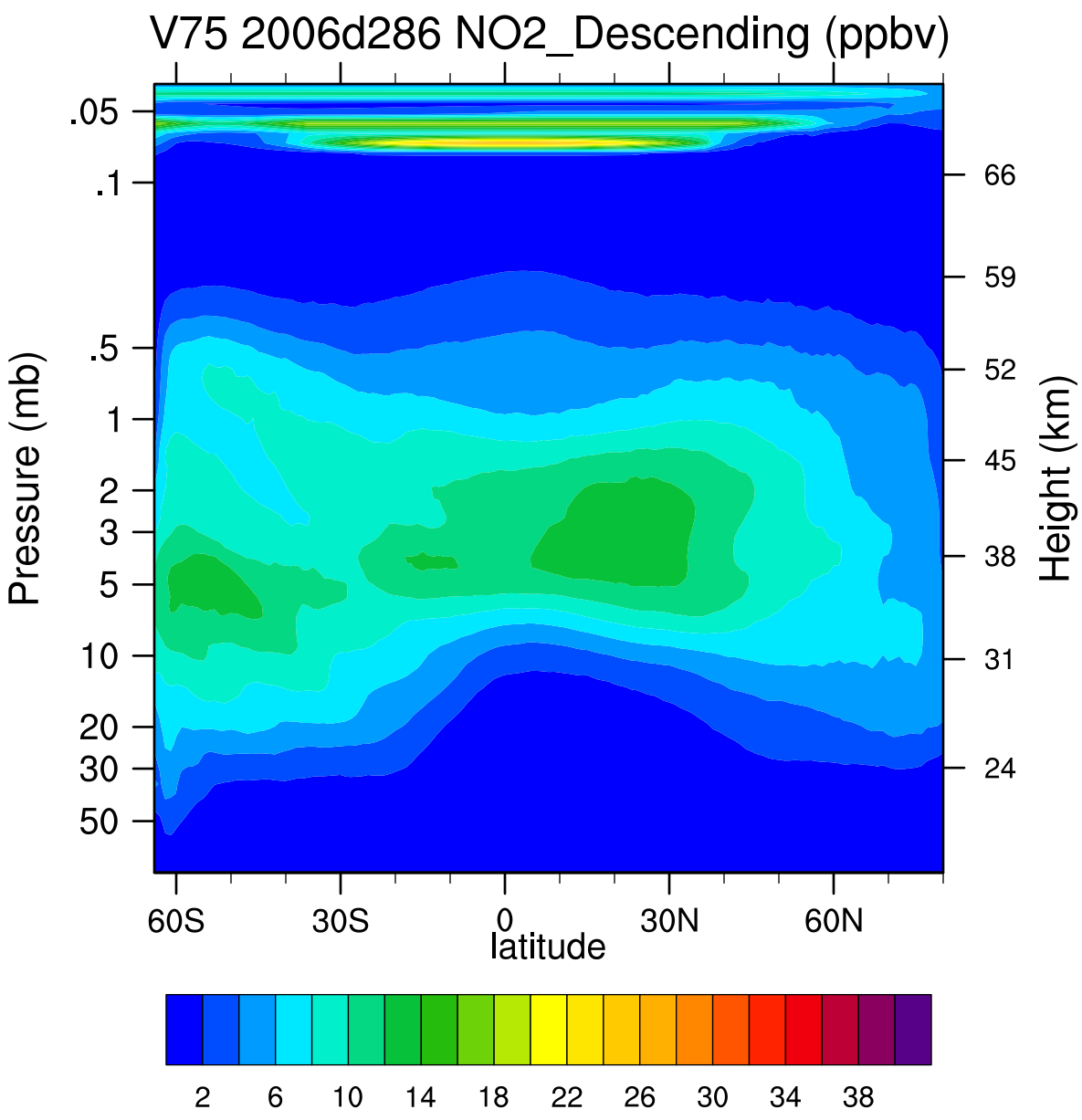
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Pressure (mb)
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45
38
31
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Height (km)
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0
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60N
latitude
2
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26
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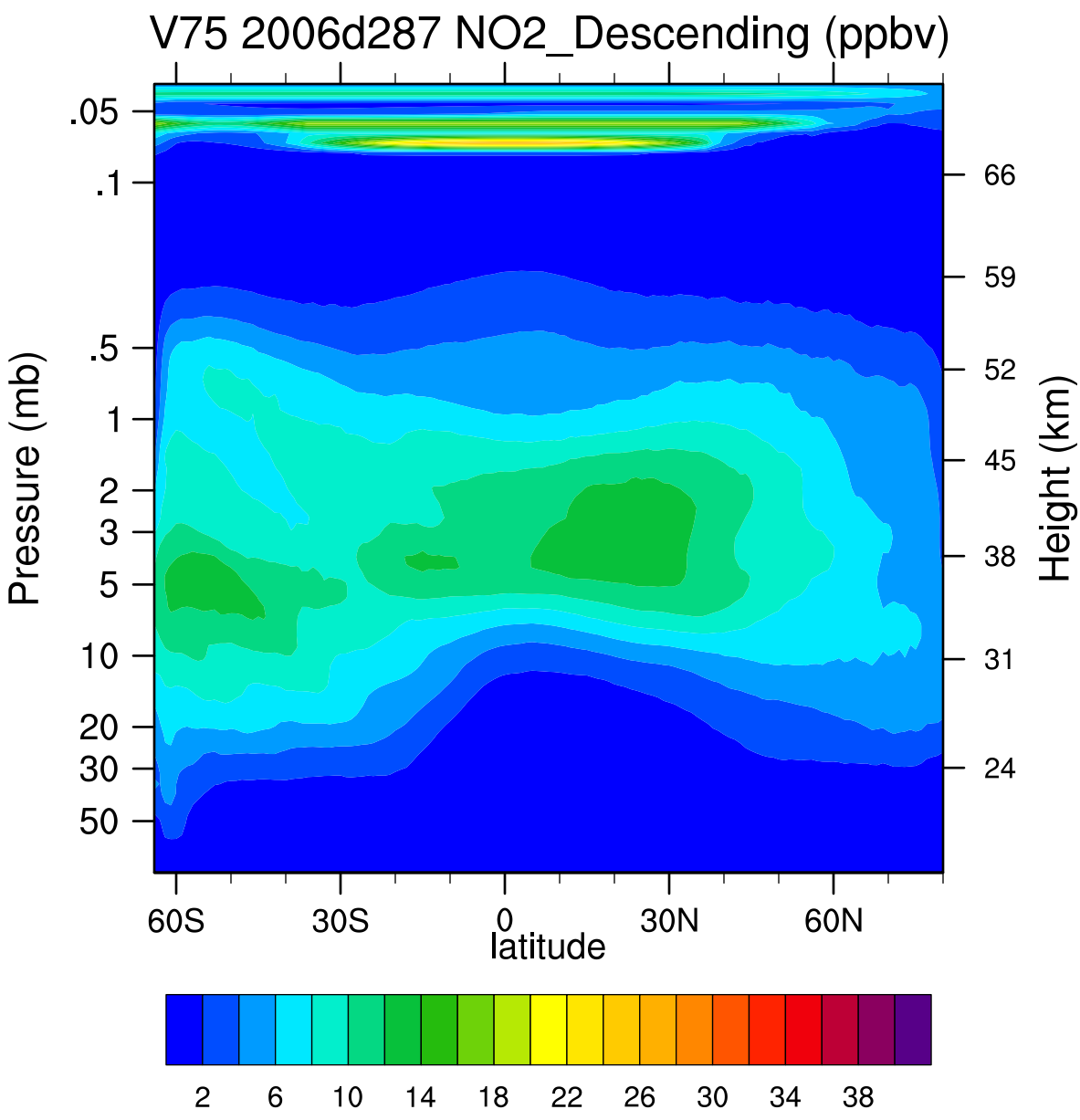
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Pressure (mb)
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45
38
31
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Height (km)
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30S
0
30N
60N
latitude
2
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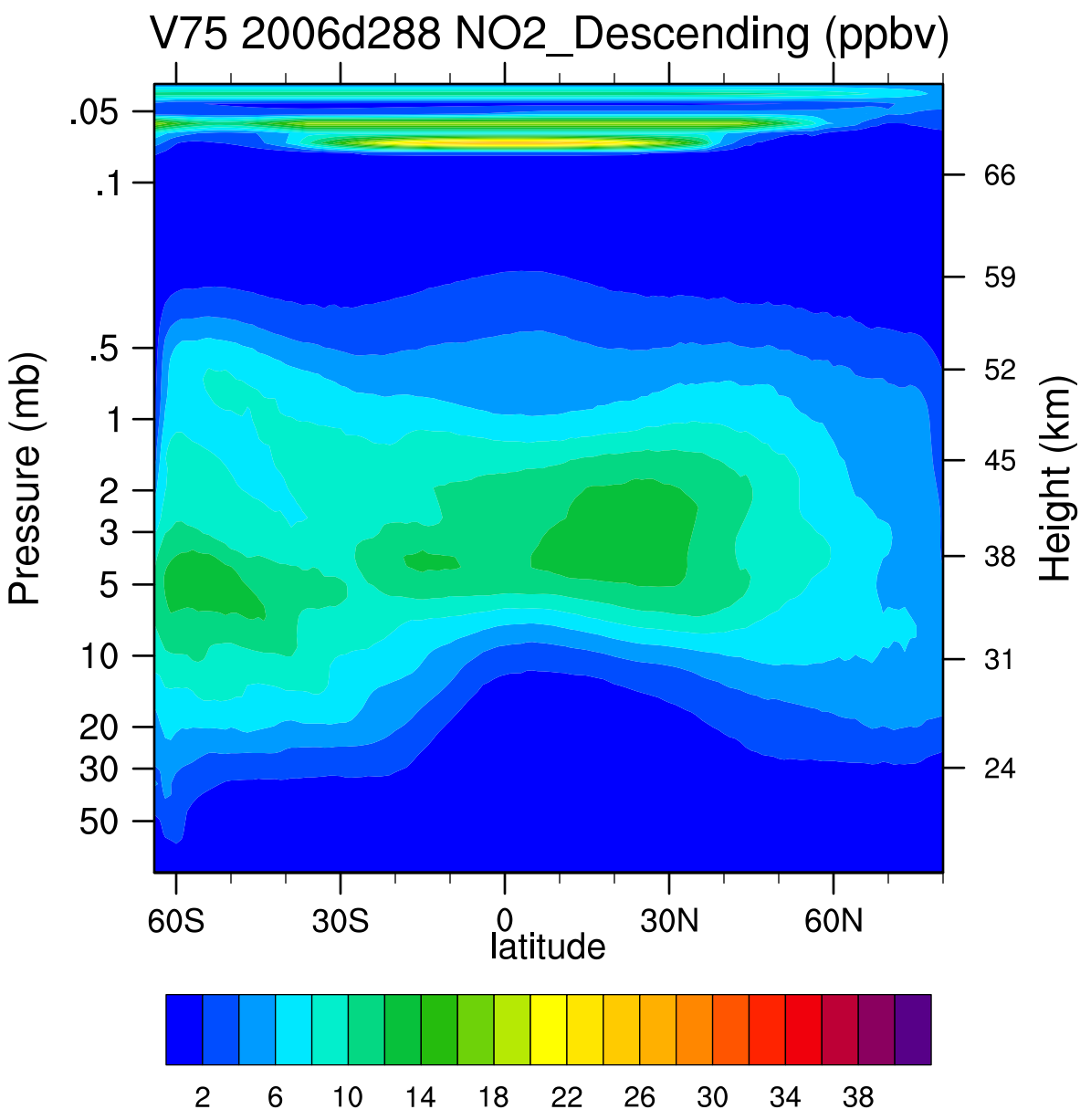
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Pressure (mb)
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52
45
38
31
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Height (km)
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0
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60N
latitude
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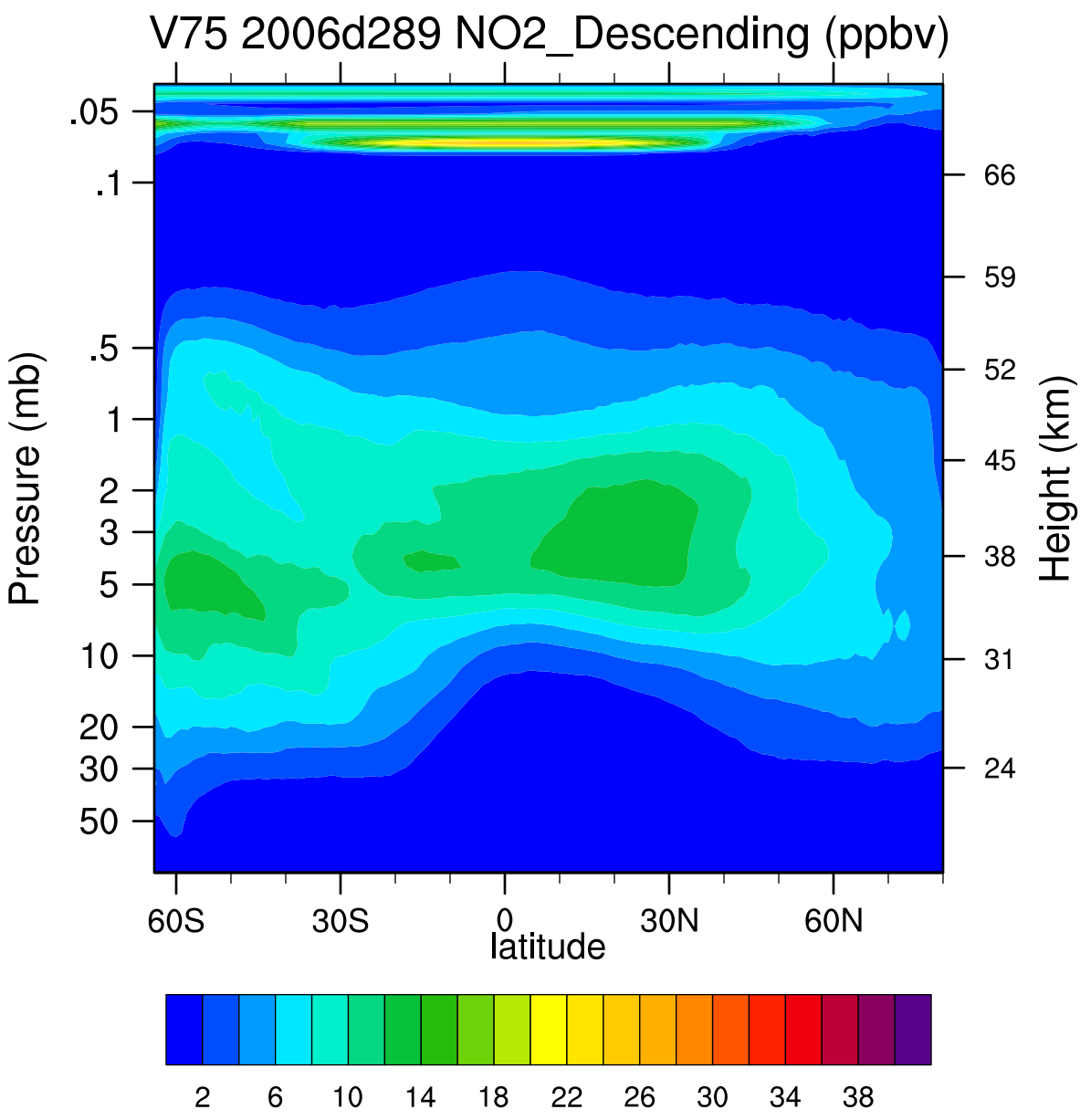
V75 2006d289 NO2_Descending (ppbv)
Pressure (mb)
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Height (km)
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59
52
45
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0
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60N
latitude
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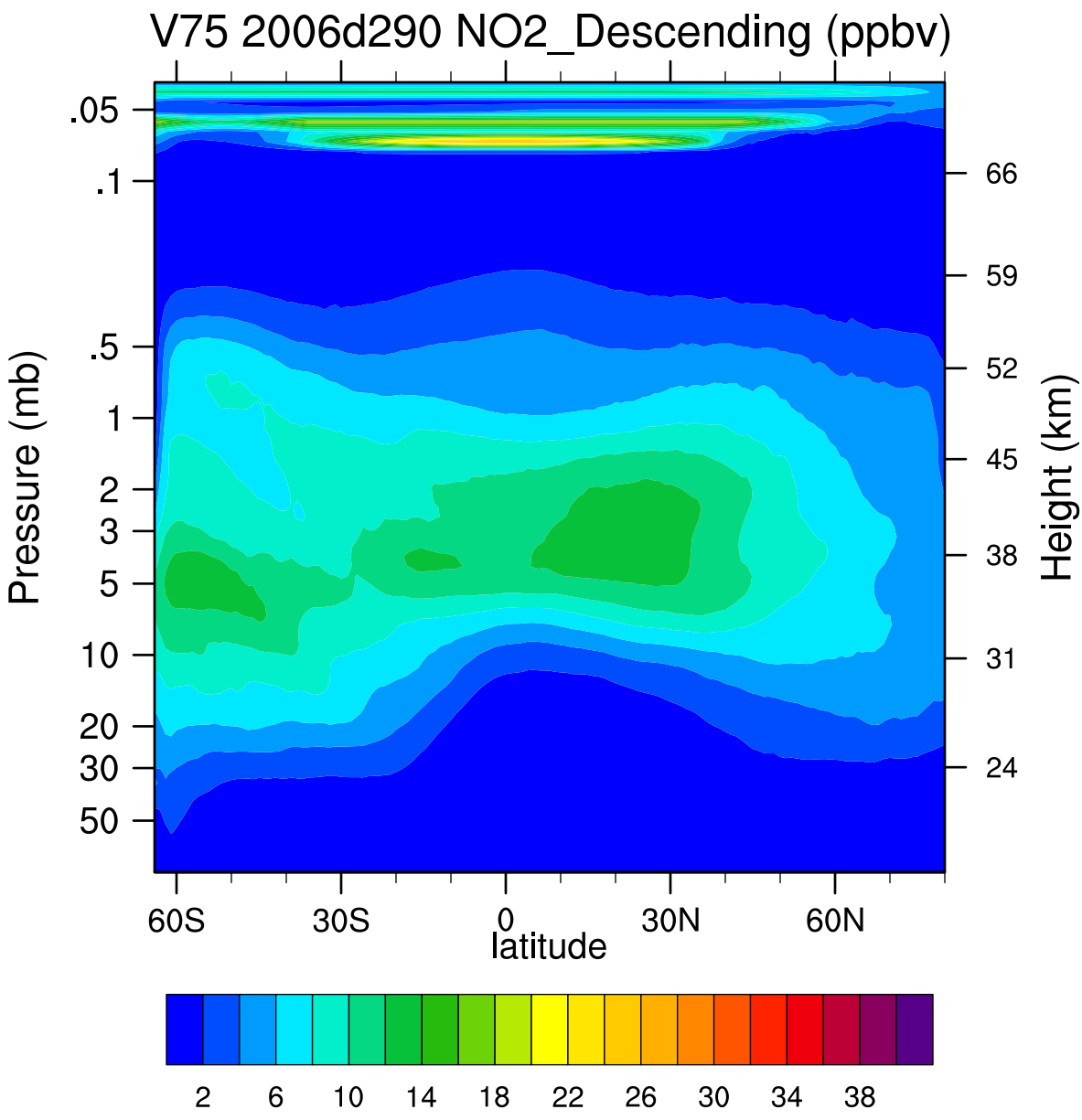
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Pressure (mb)
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38
31
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Height (km)
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latitude
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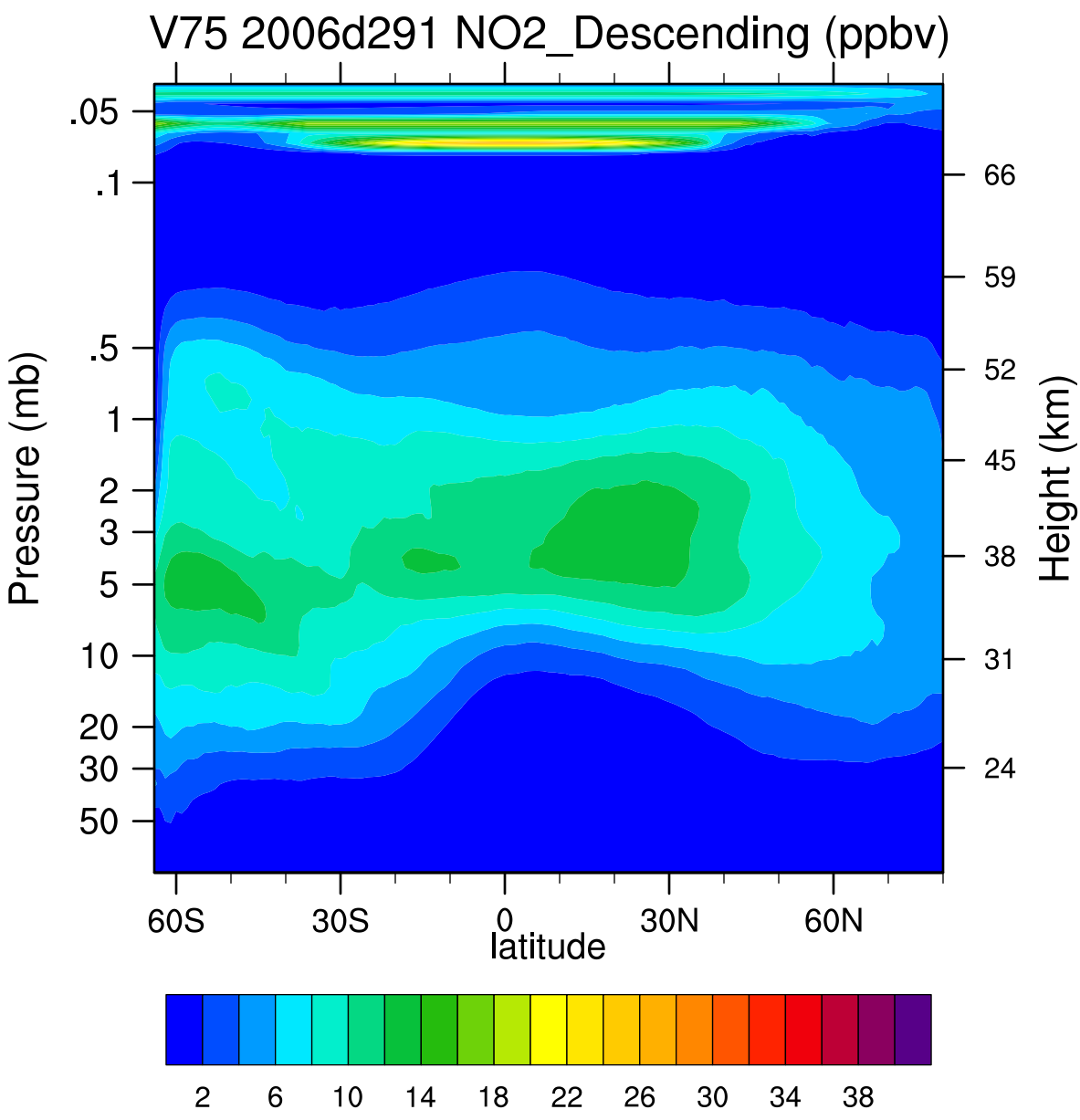
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Height (km)
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59
52
45
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latitude
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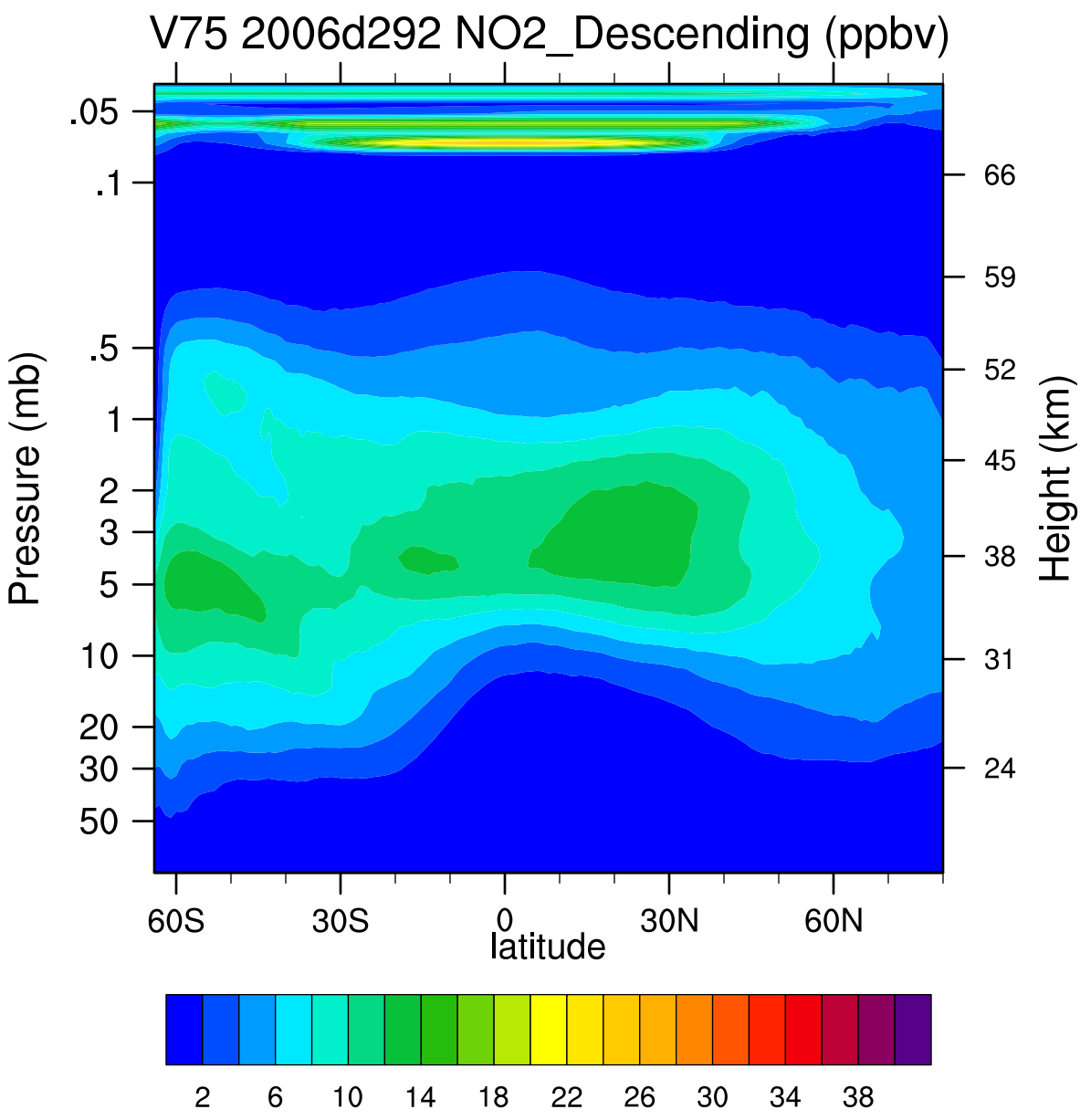
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Pressure (mb)
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38
31
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Height (km)
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latitude
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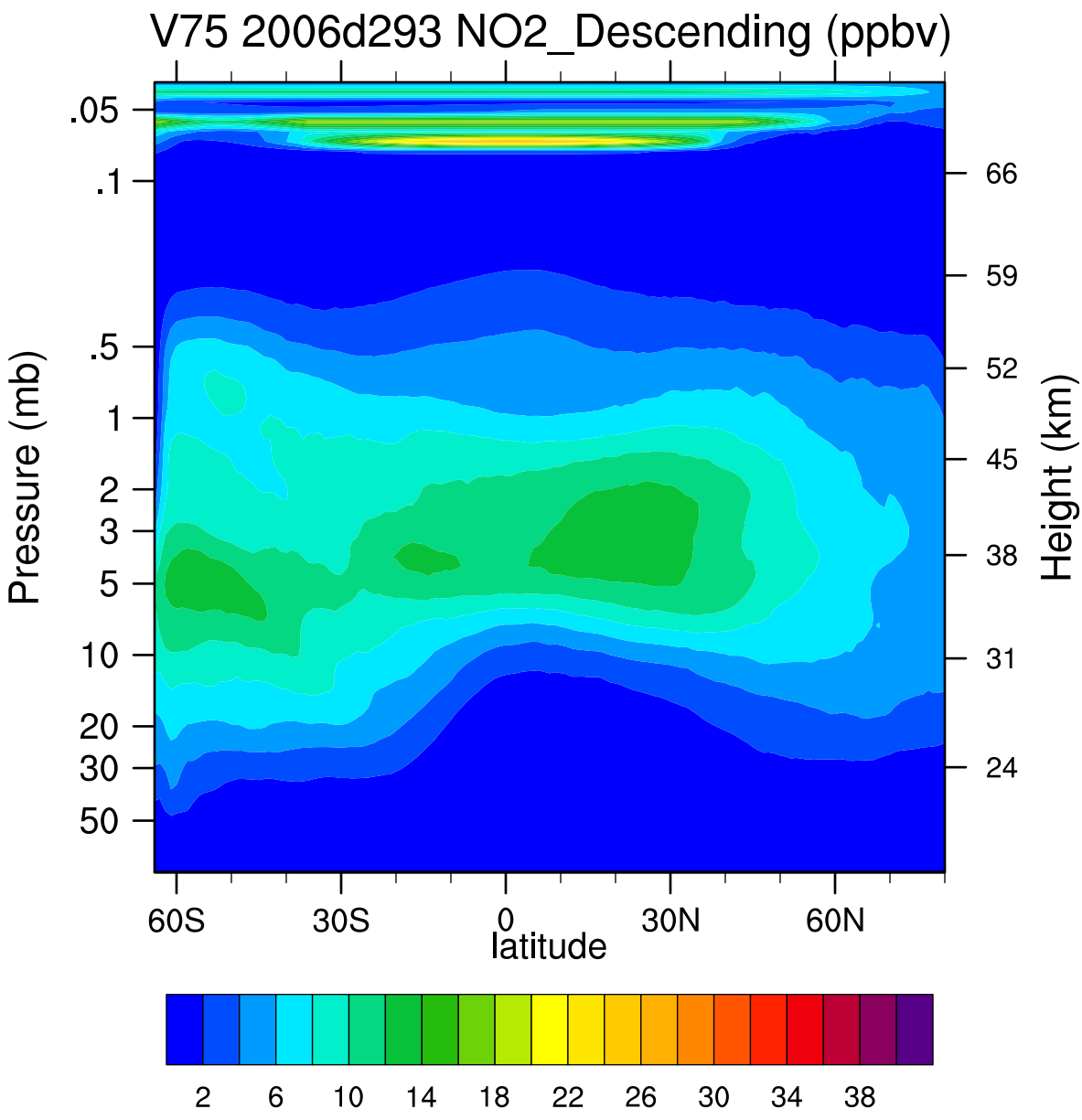
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Pressure (mb)
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2
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Height (km)
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52
45
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latitude
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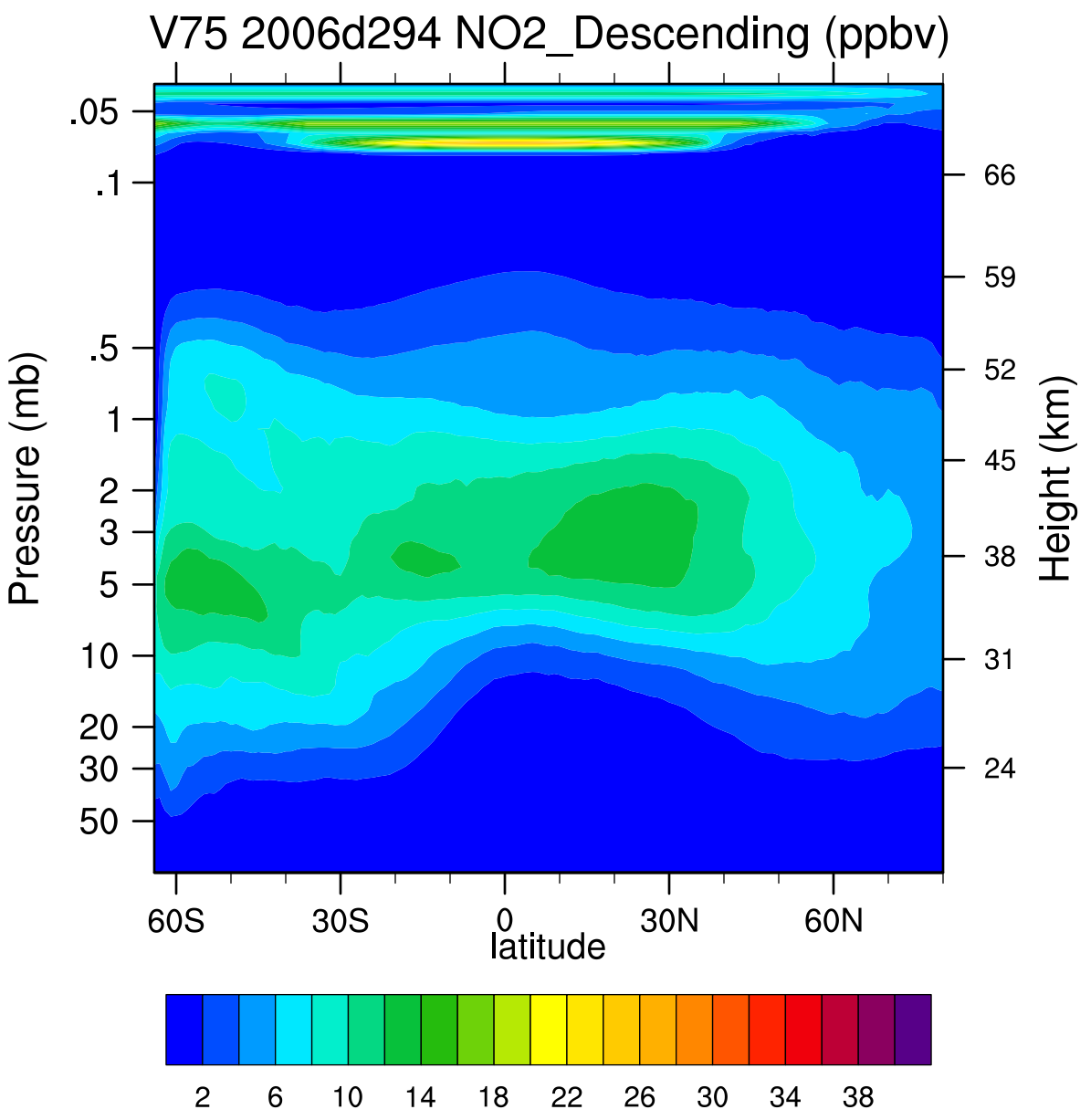
V75 2006d294 NO2_Descending (ppbv)
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Pressure (mb)
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52
45
38
31
24
Height (km)
60S
30S
0
30N
60N
latitude
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34
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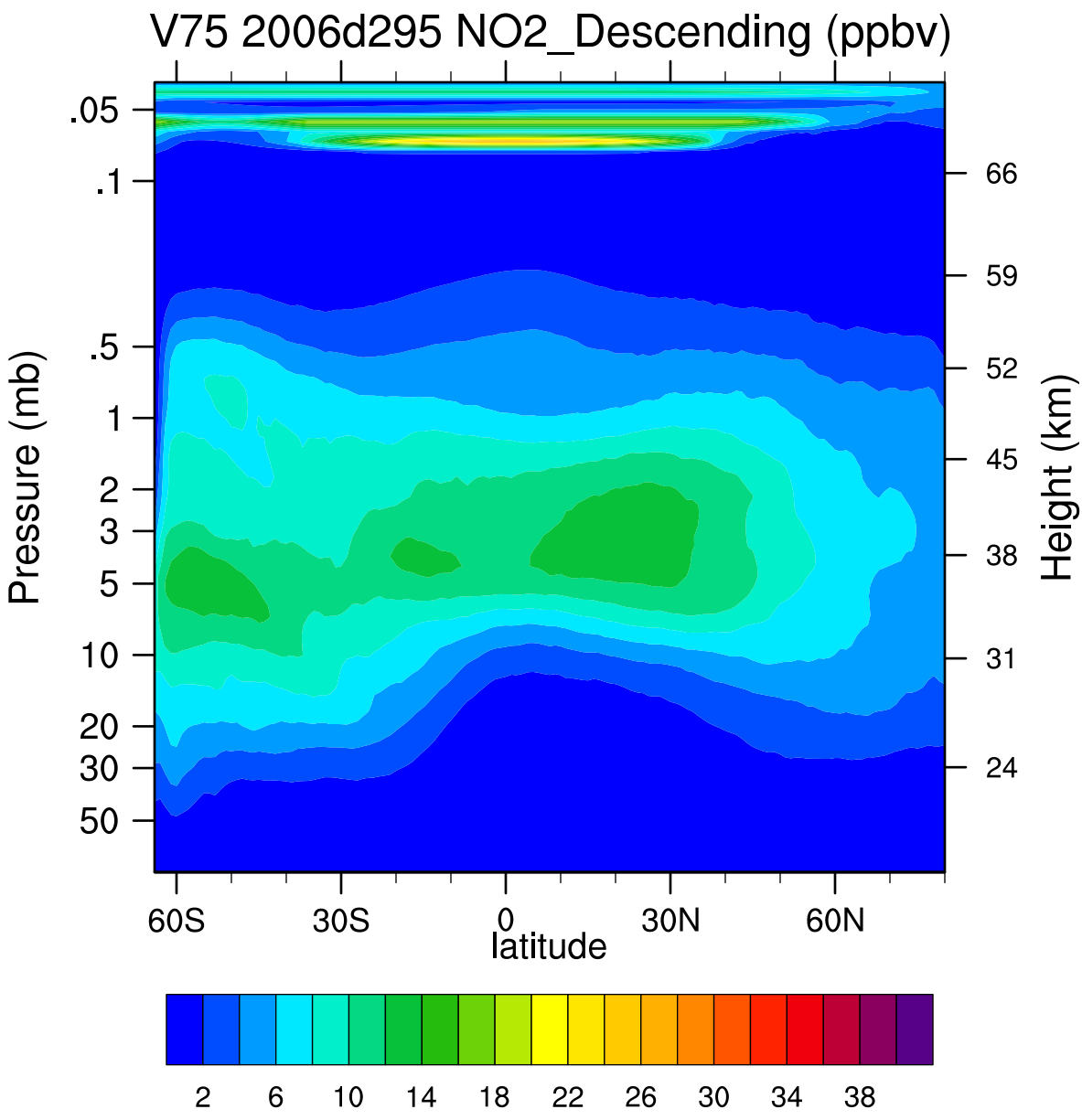
V75 2006d295 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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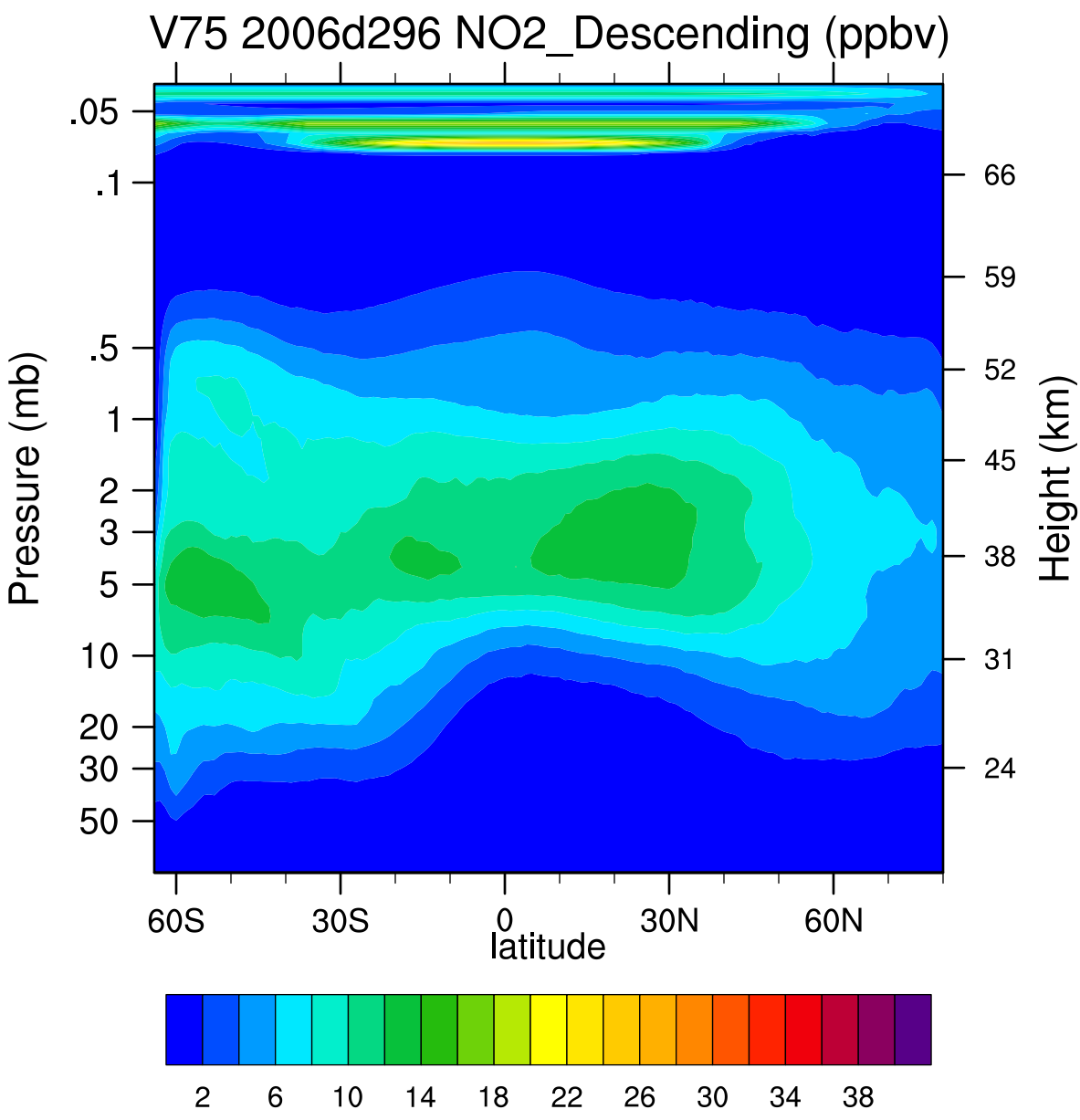
V75 2006d296 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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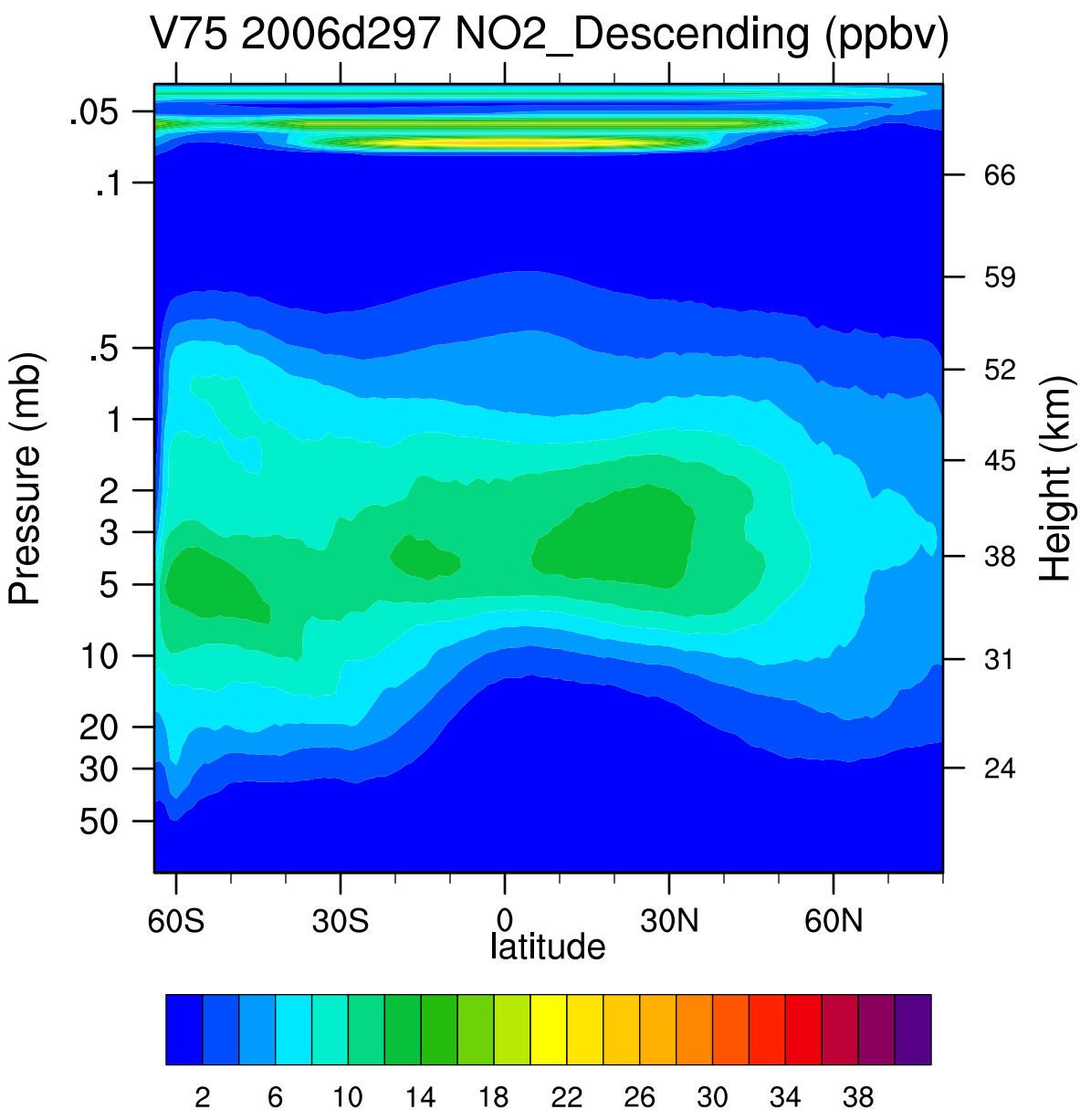
V75 2006d297 NO2_Descending (ppbv)
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.1
.5
1
2
3
5
10
20
30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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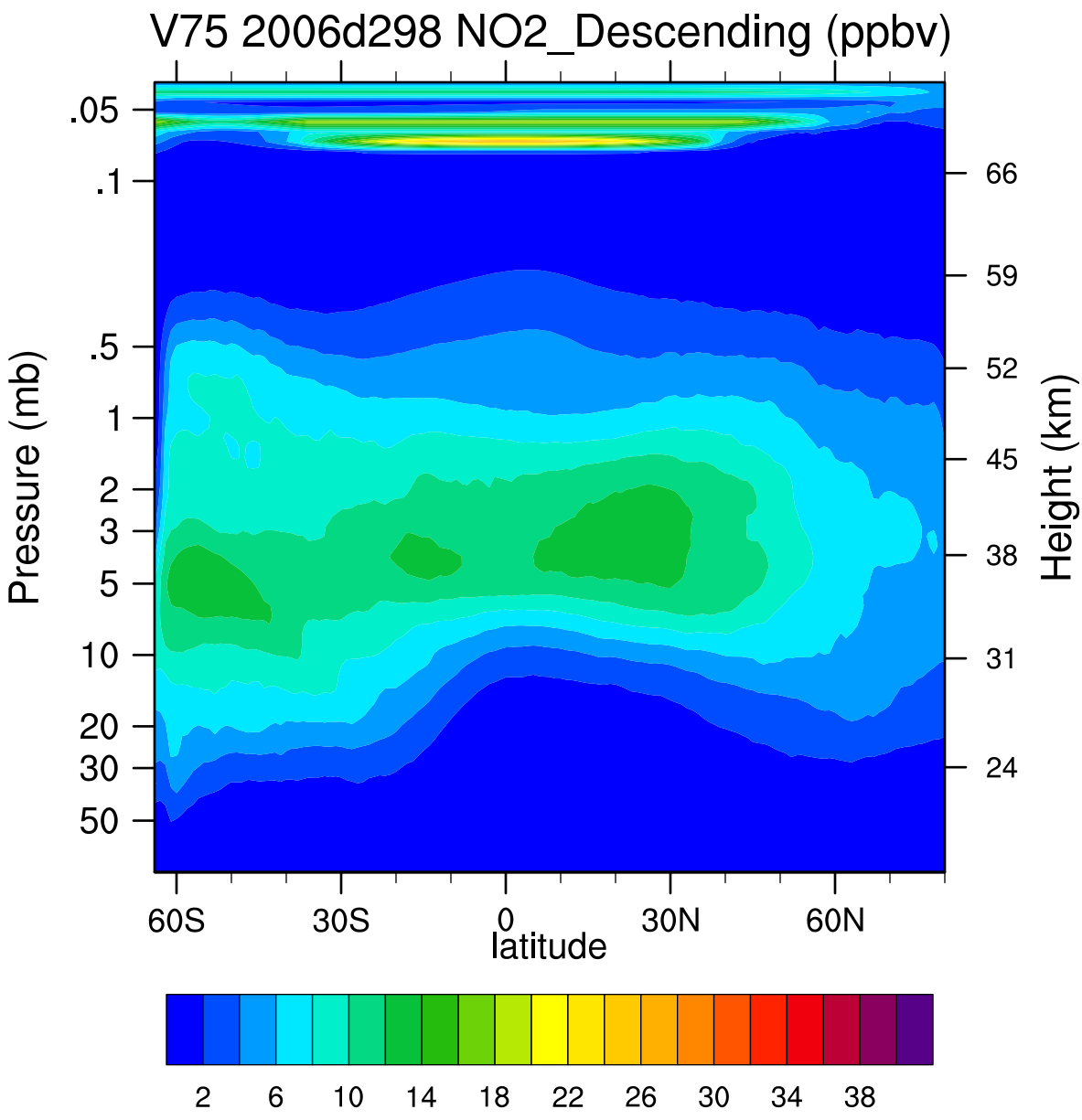
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.1
.5
1
2
3
5
10
20
30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
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34
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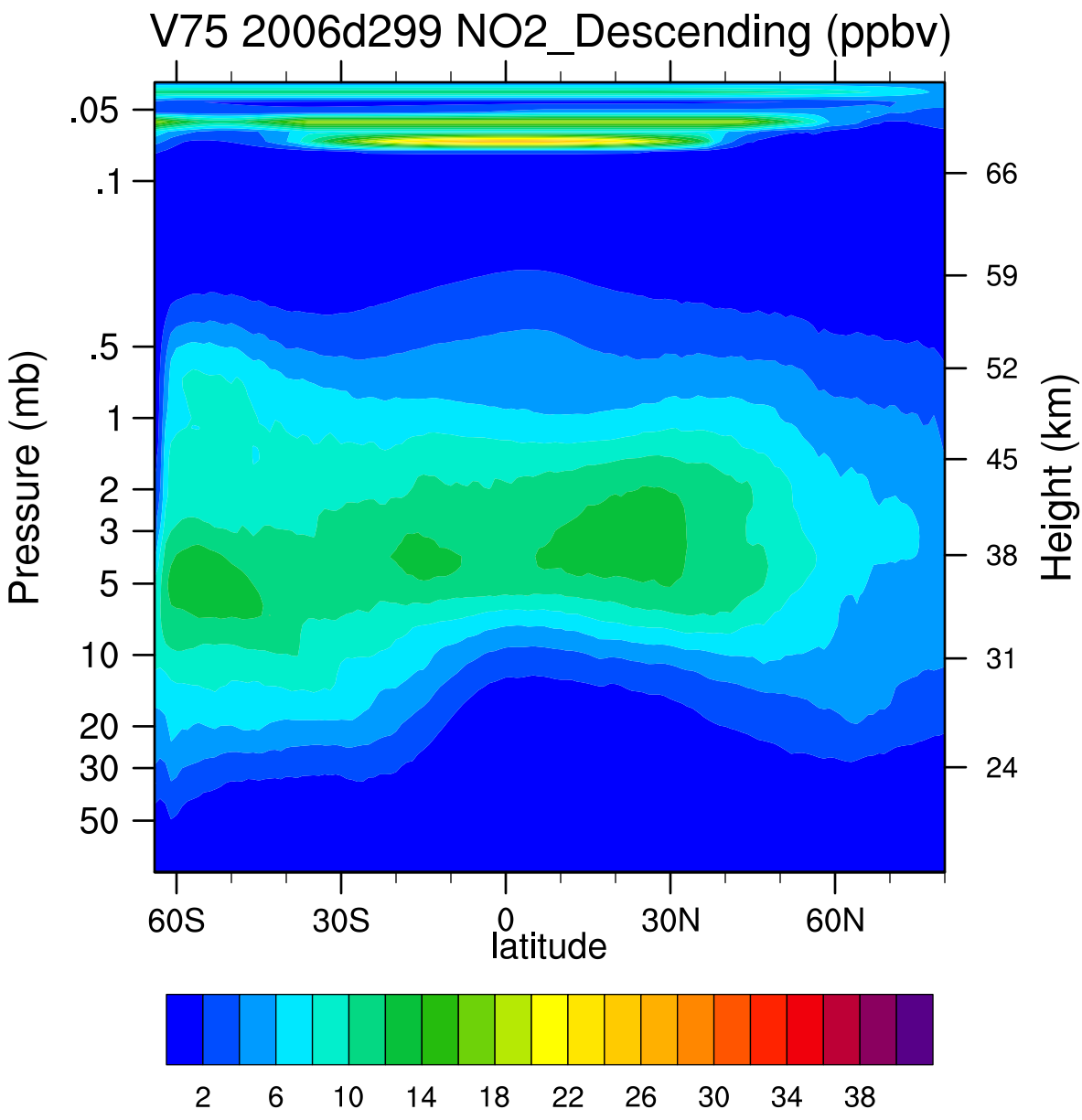
V75 2006d299 NO2_Descending (ppbv)
Pressure (mb)
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.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
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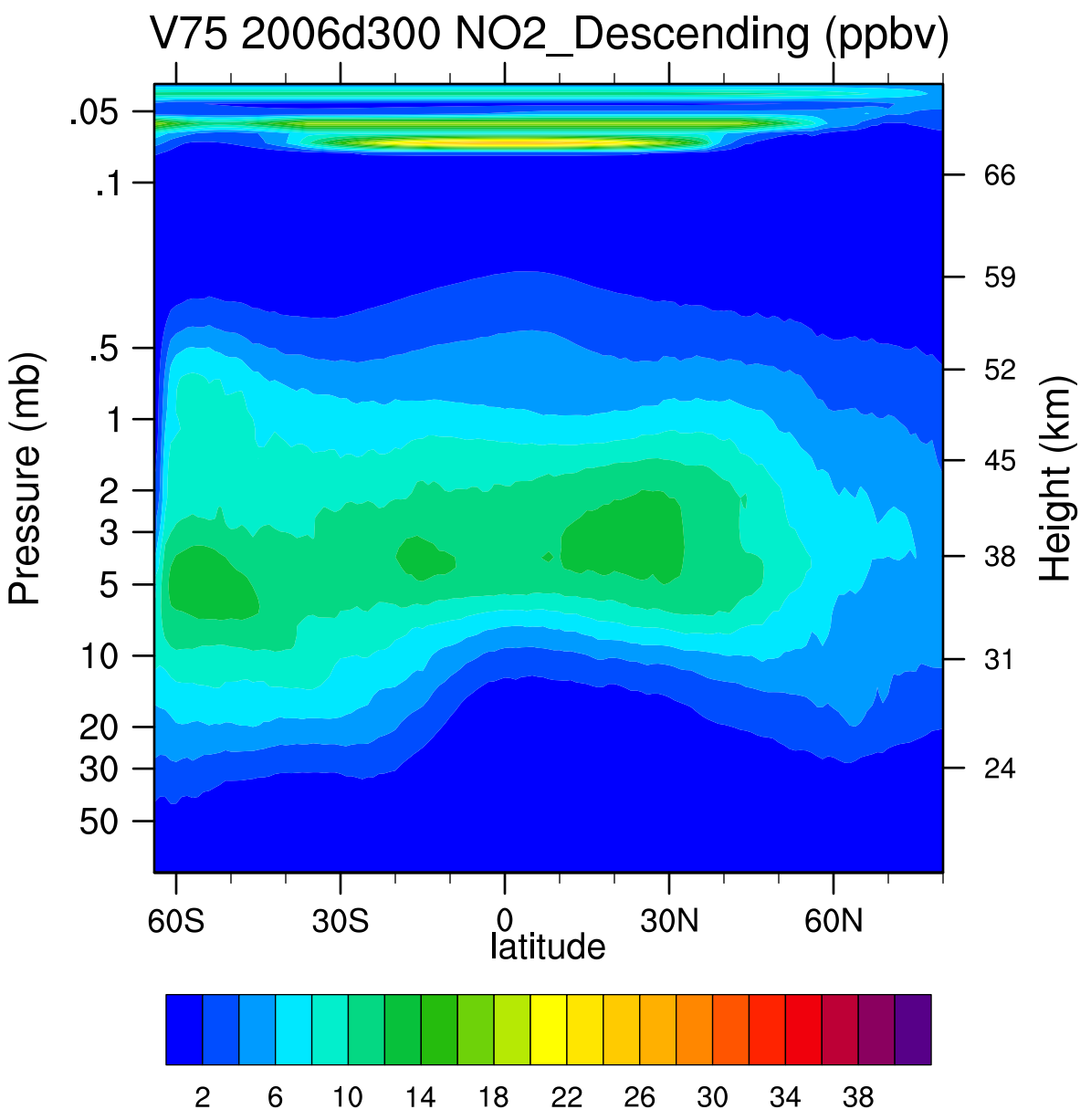
V75 2006d300 NO2_Descending (ppbv)
Pressure (mb)
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.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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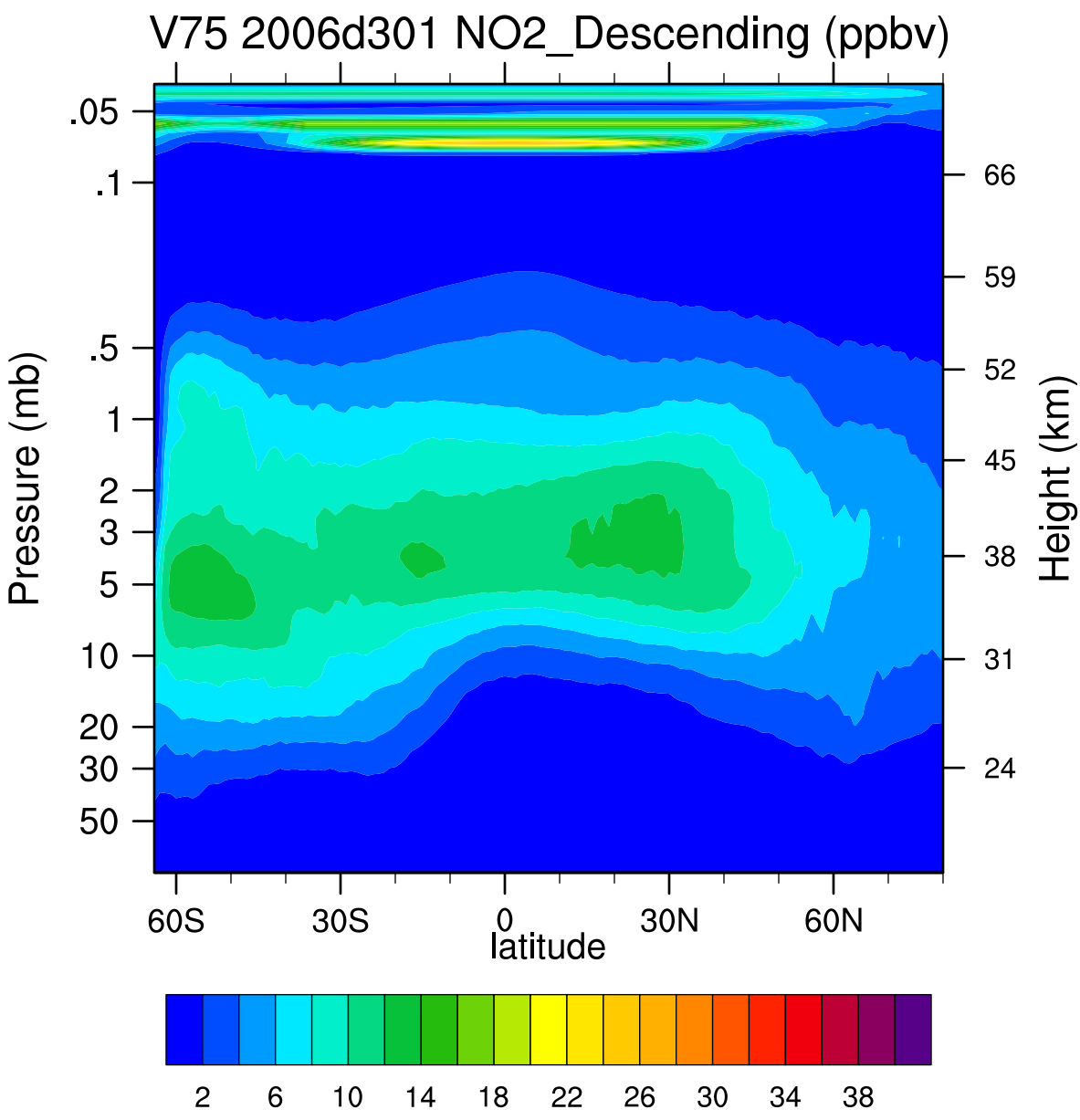
V75 2006d301 NO2_Descending (ppbv)
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1
2
3
5
10
20
30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
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34
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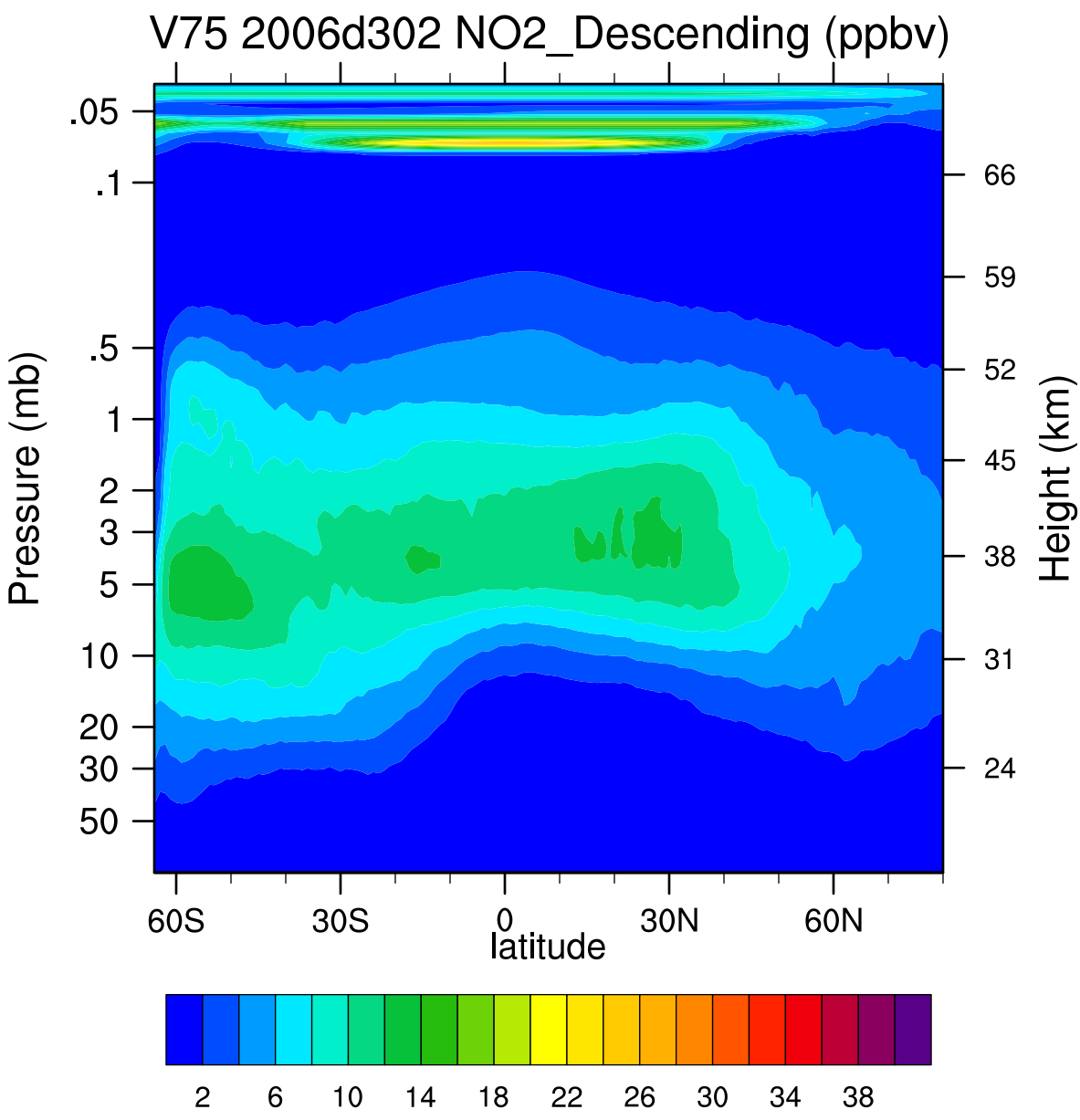
V75 2006d302 NO2_Descending (ppbv)
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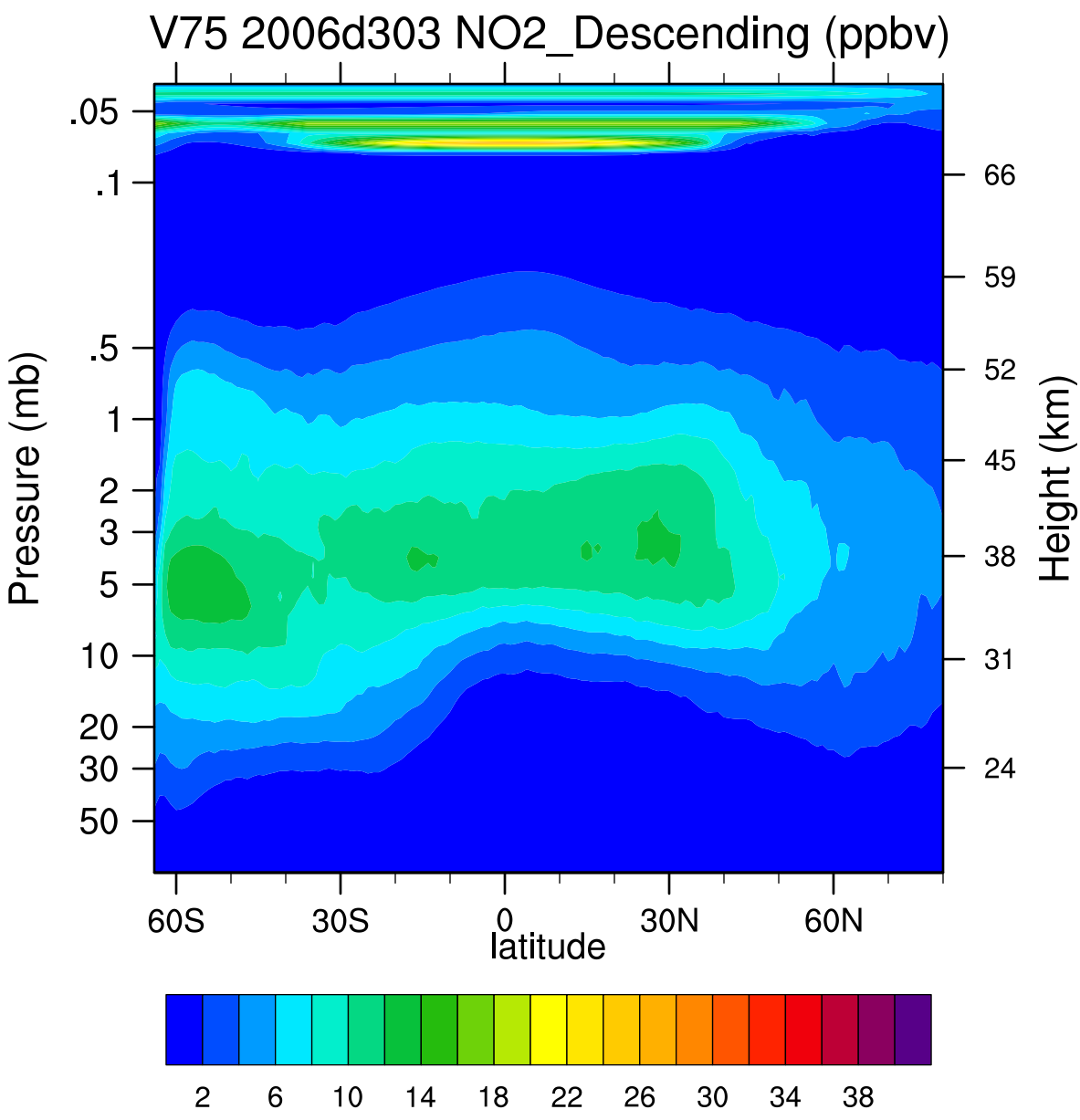
.5
1
2
3
5
10
20
30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2006d303 NO2_Descending (ppbv)
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.1
.5
1
2
3
5
10
20
30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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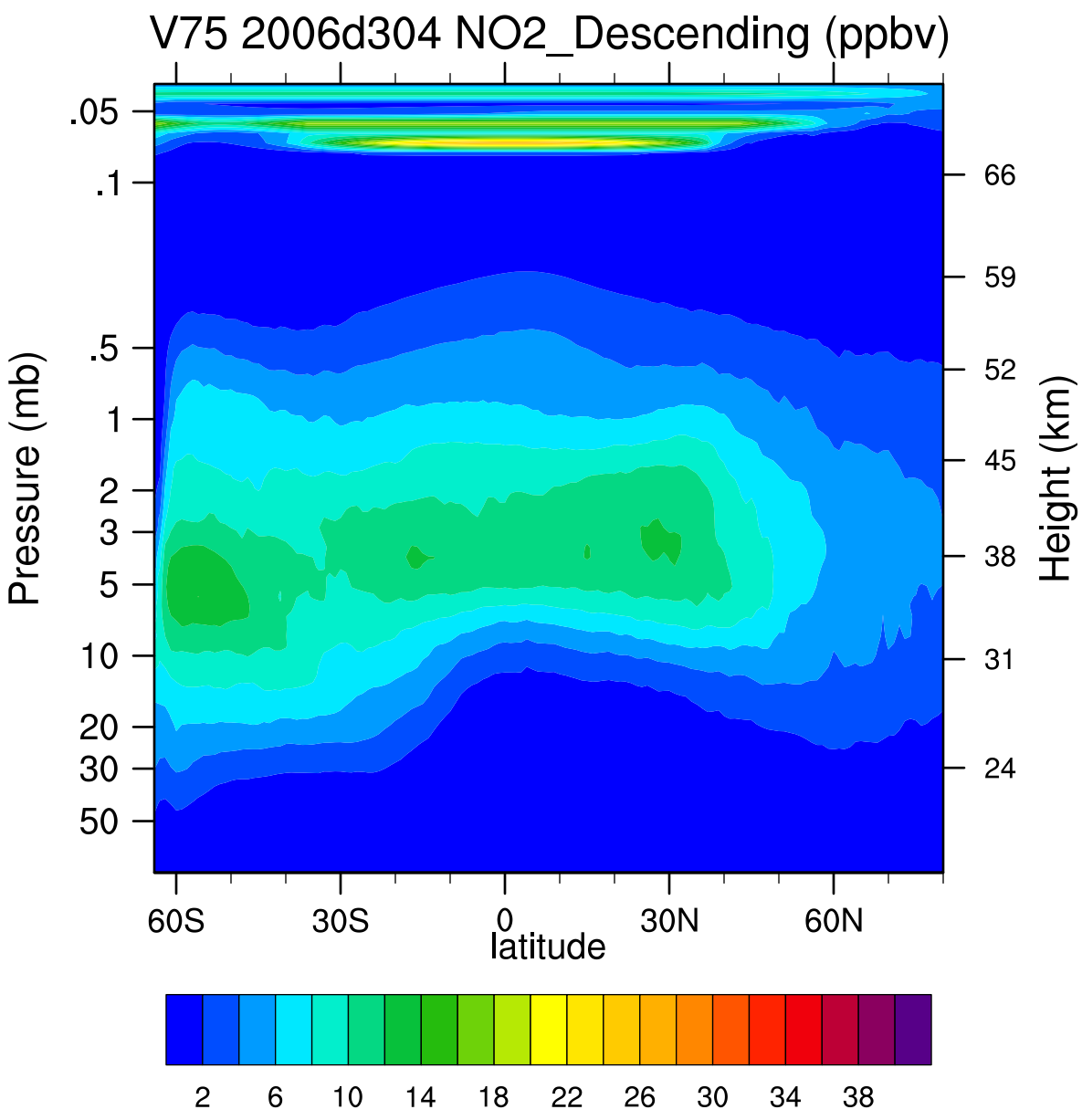
V75 2006d304 NO2_Descending (ppbv)
Pressure (mb)
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.5
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2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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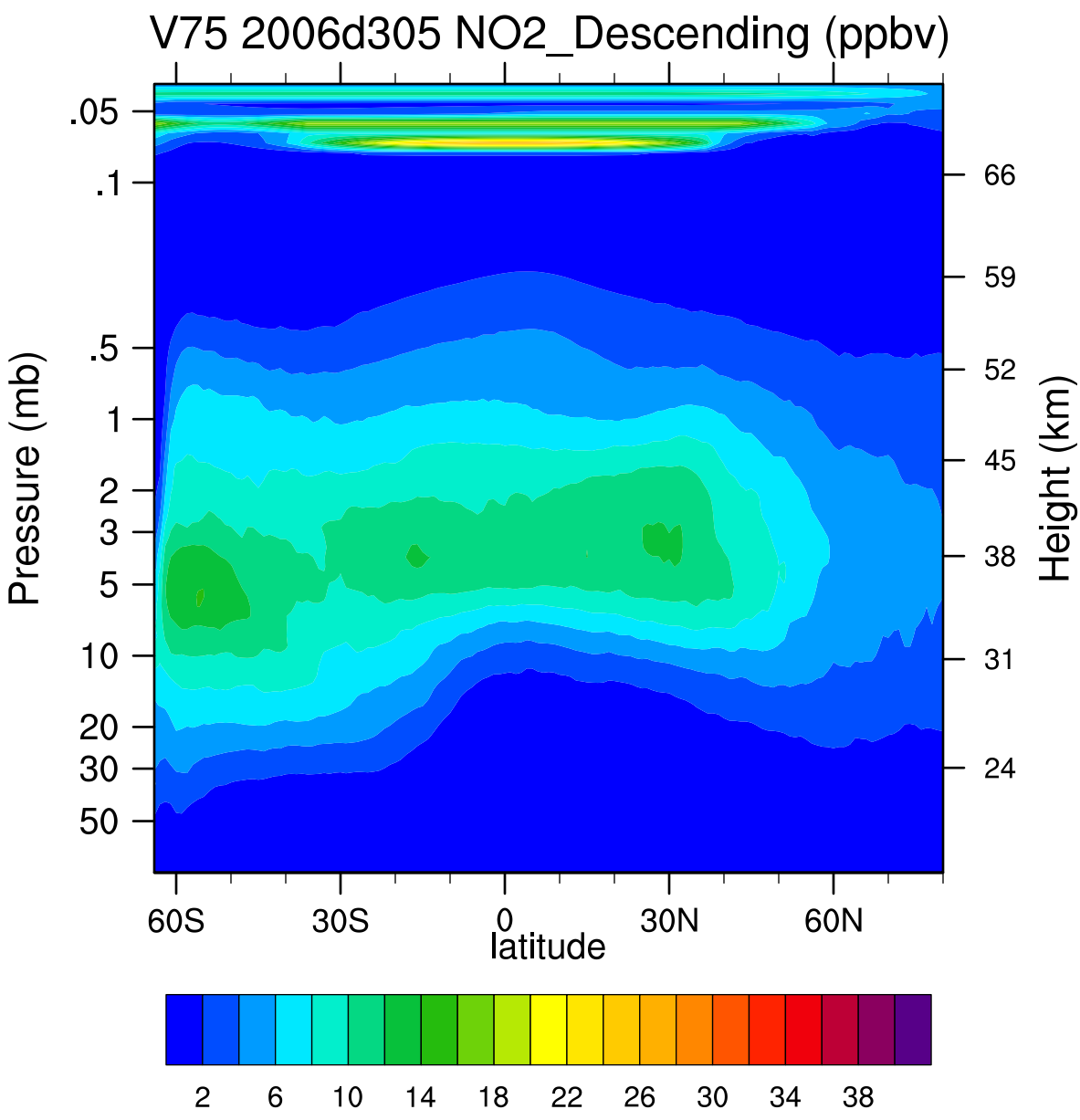
V75 2006d305 NO2_Descending (ppbv)
Pressure (mb)
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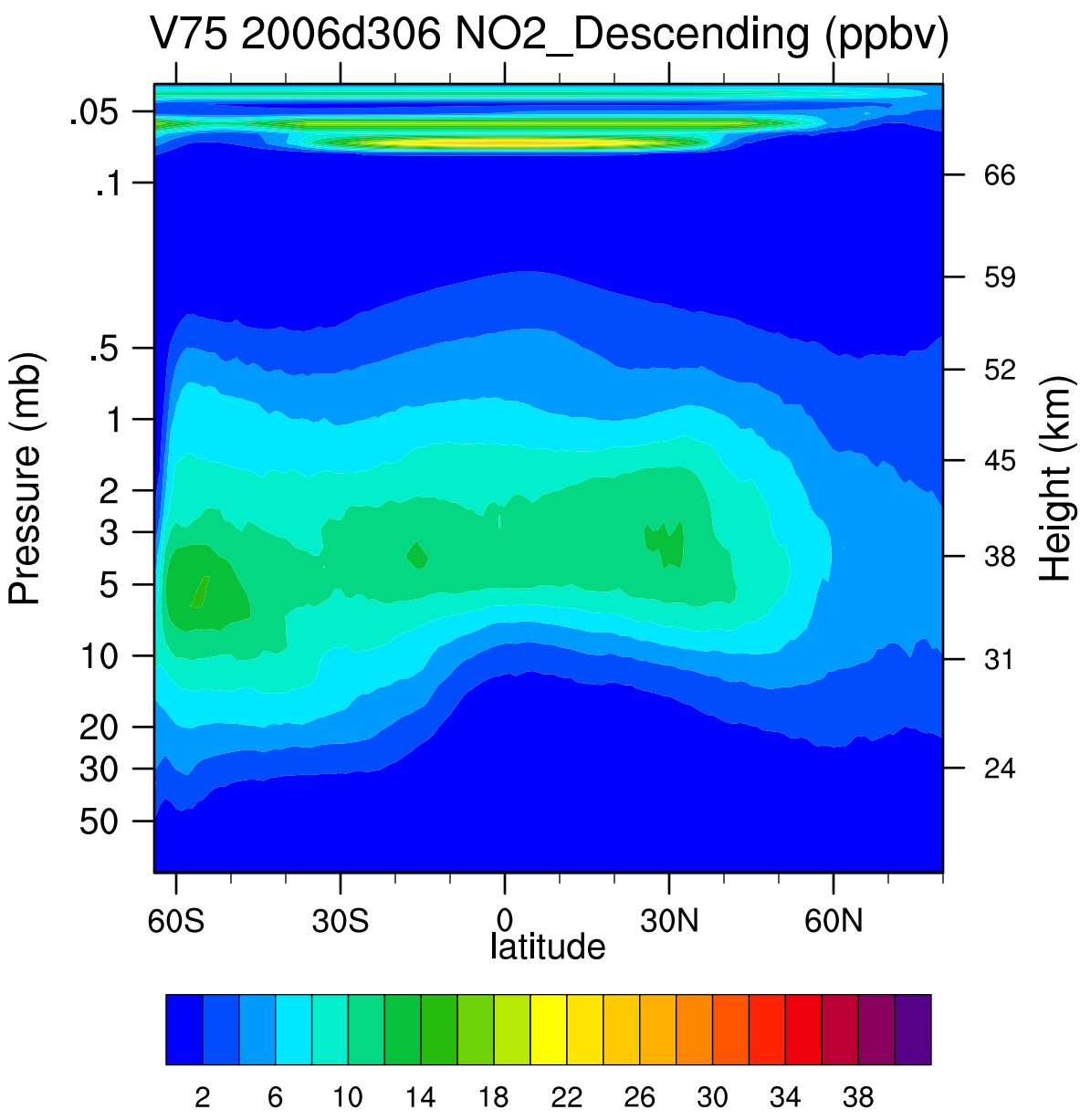
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2006d306 NO2_Descending (ppbv)
Pressure (mb)
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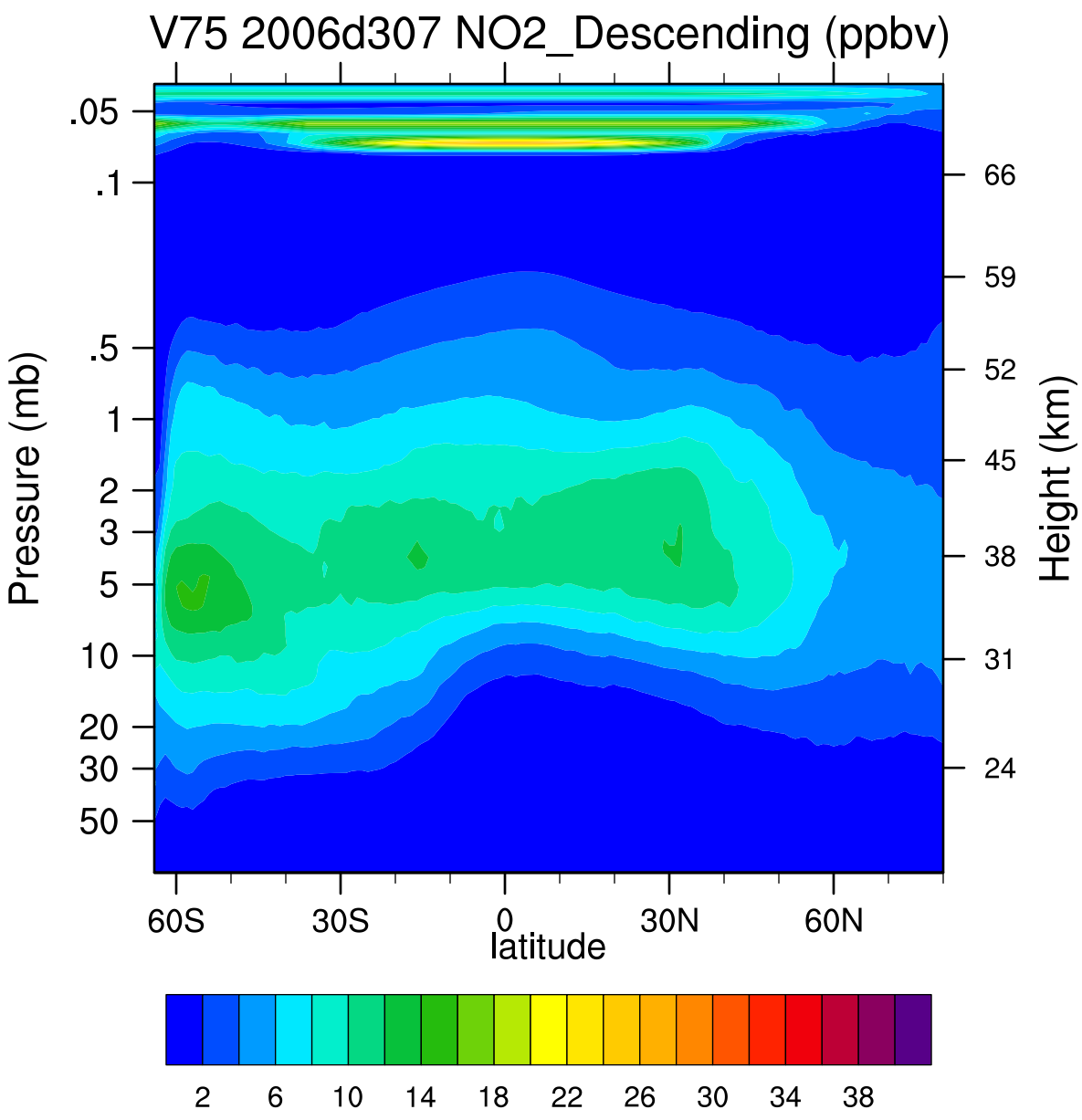
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2006d307 NO2_Descending (ppbv)
Pressure (mb)
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.5
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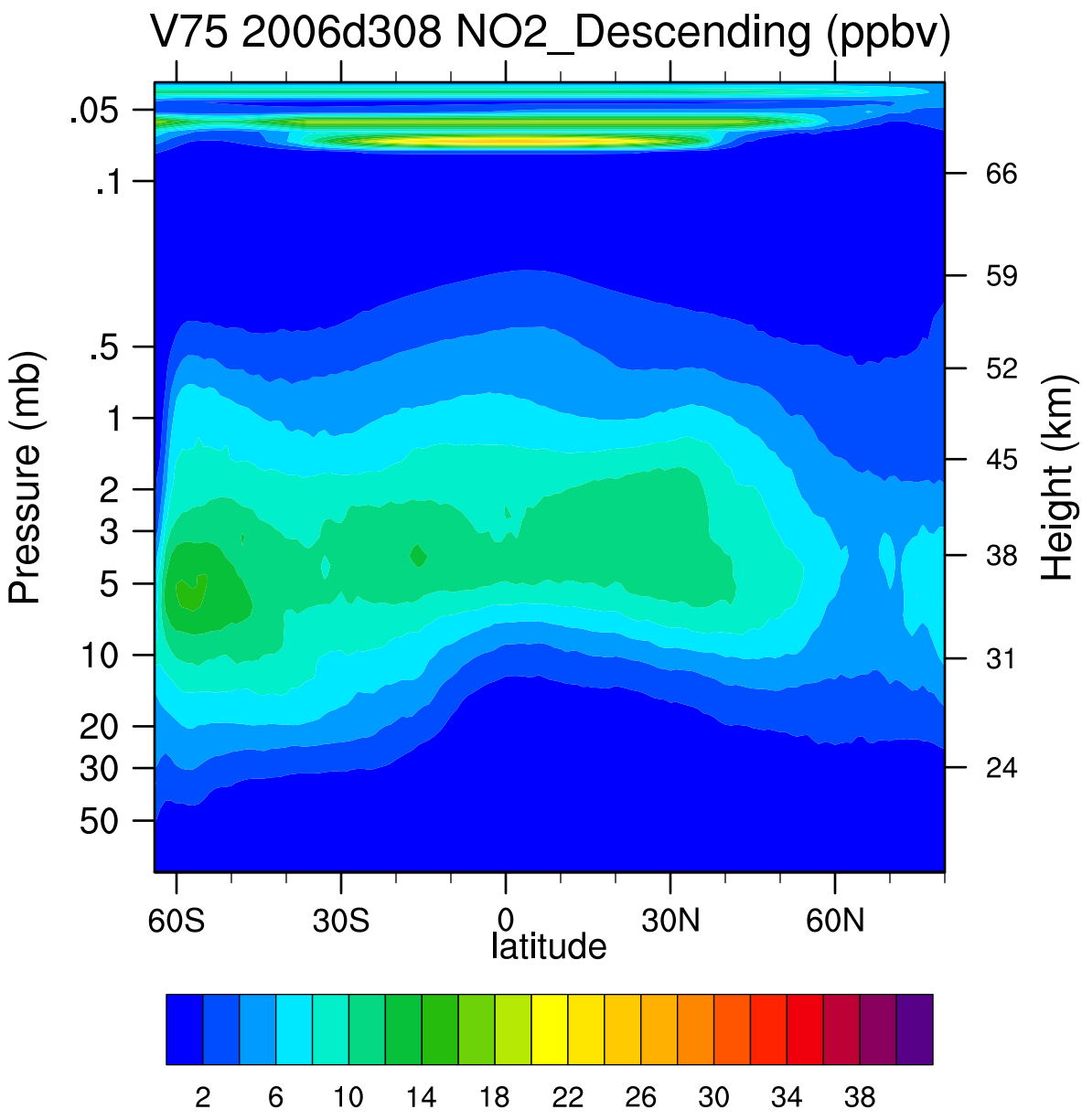
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2006d308 NO2_Descending (ppbv)
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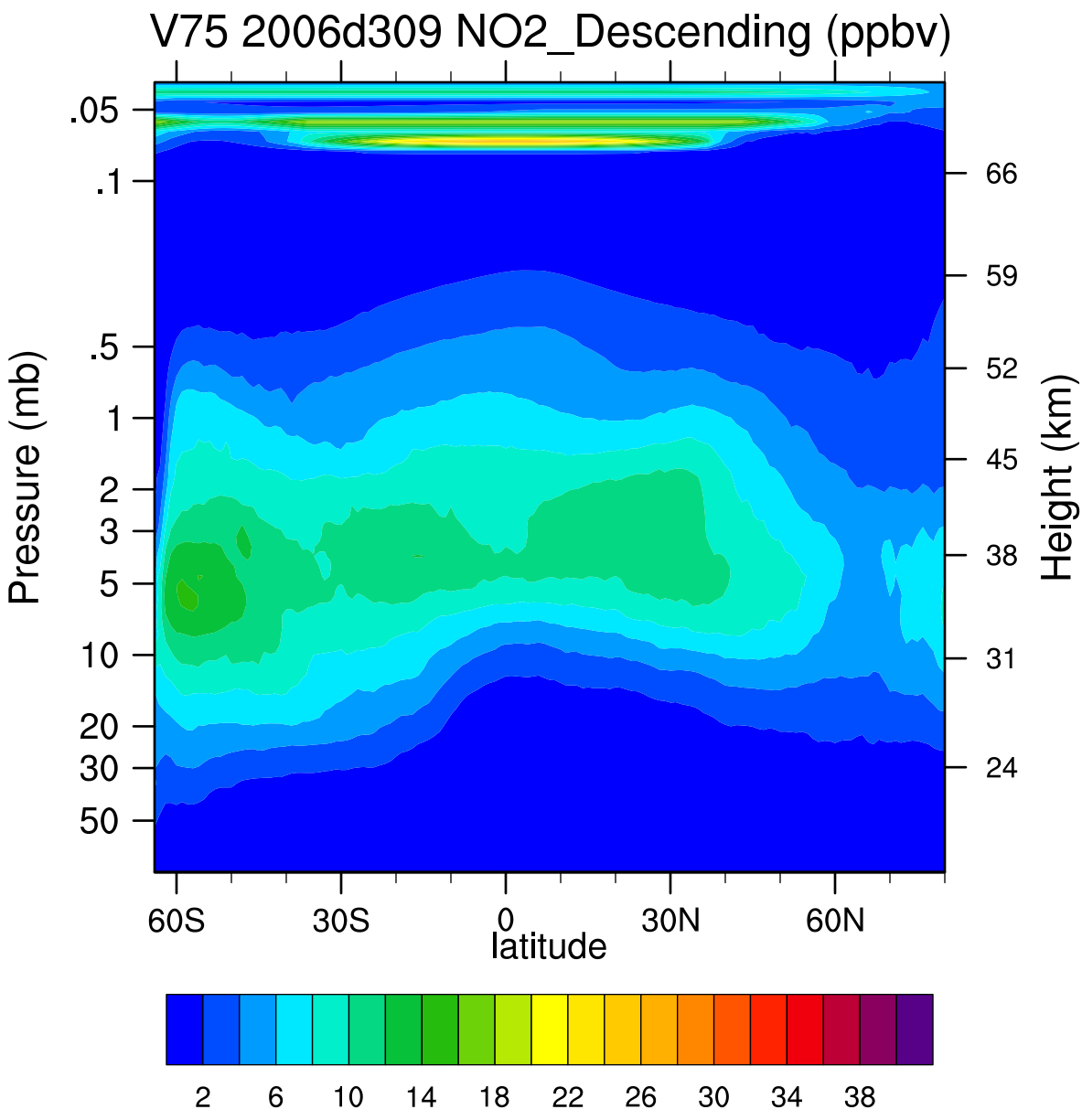
.1
.5
1
2
3
5
10
20
30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2006d309 NO2_Descending (ppbv)
Pressure (mb)
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.5
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5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
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26
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34
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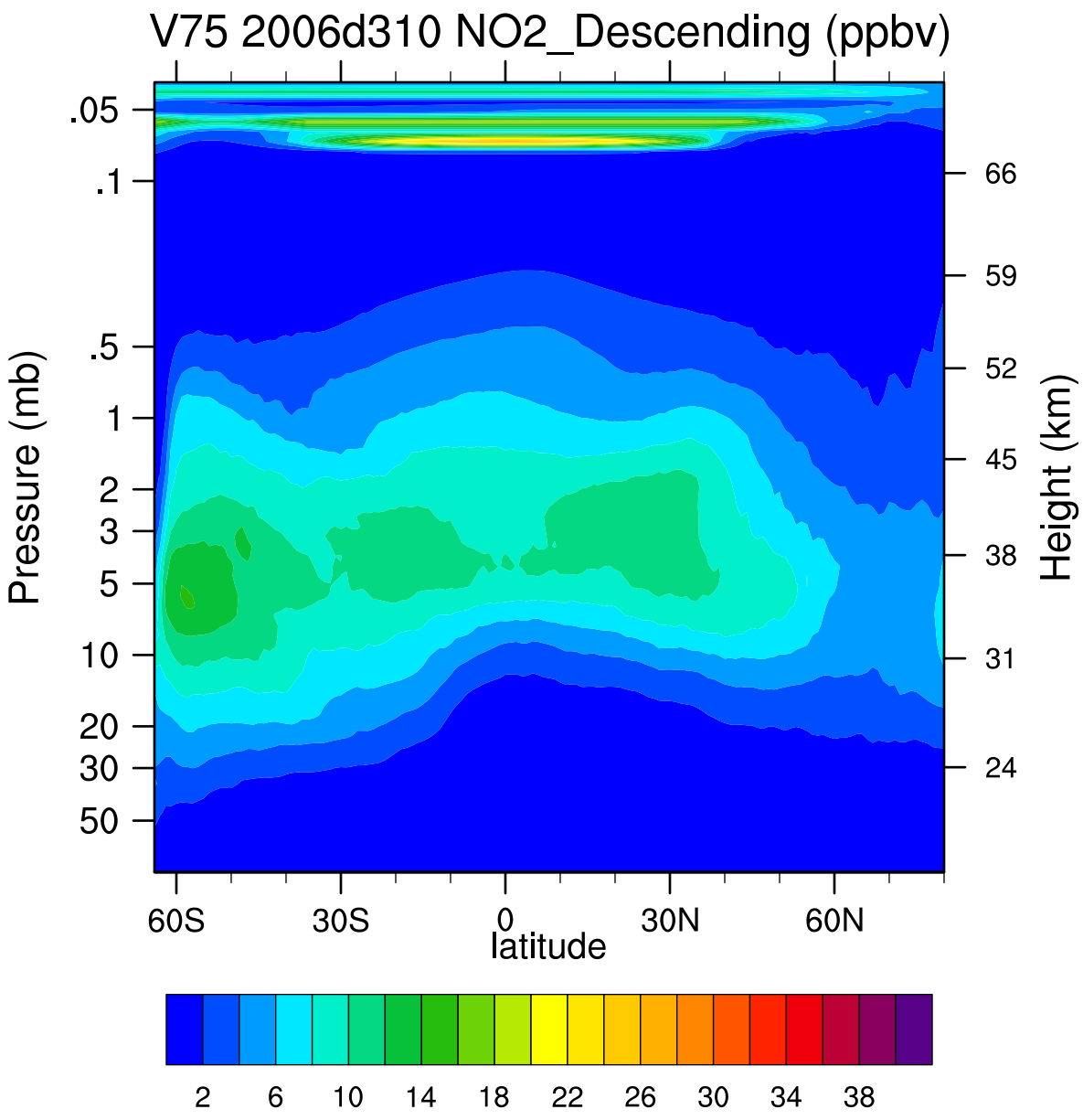
V75 2006d310 NO2_Descending (ppbv)
Pressure (mb)
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.5
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2
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5
10
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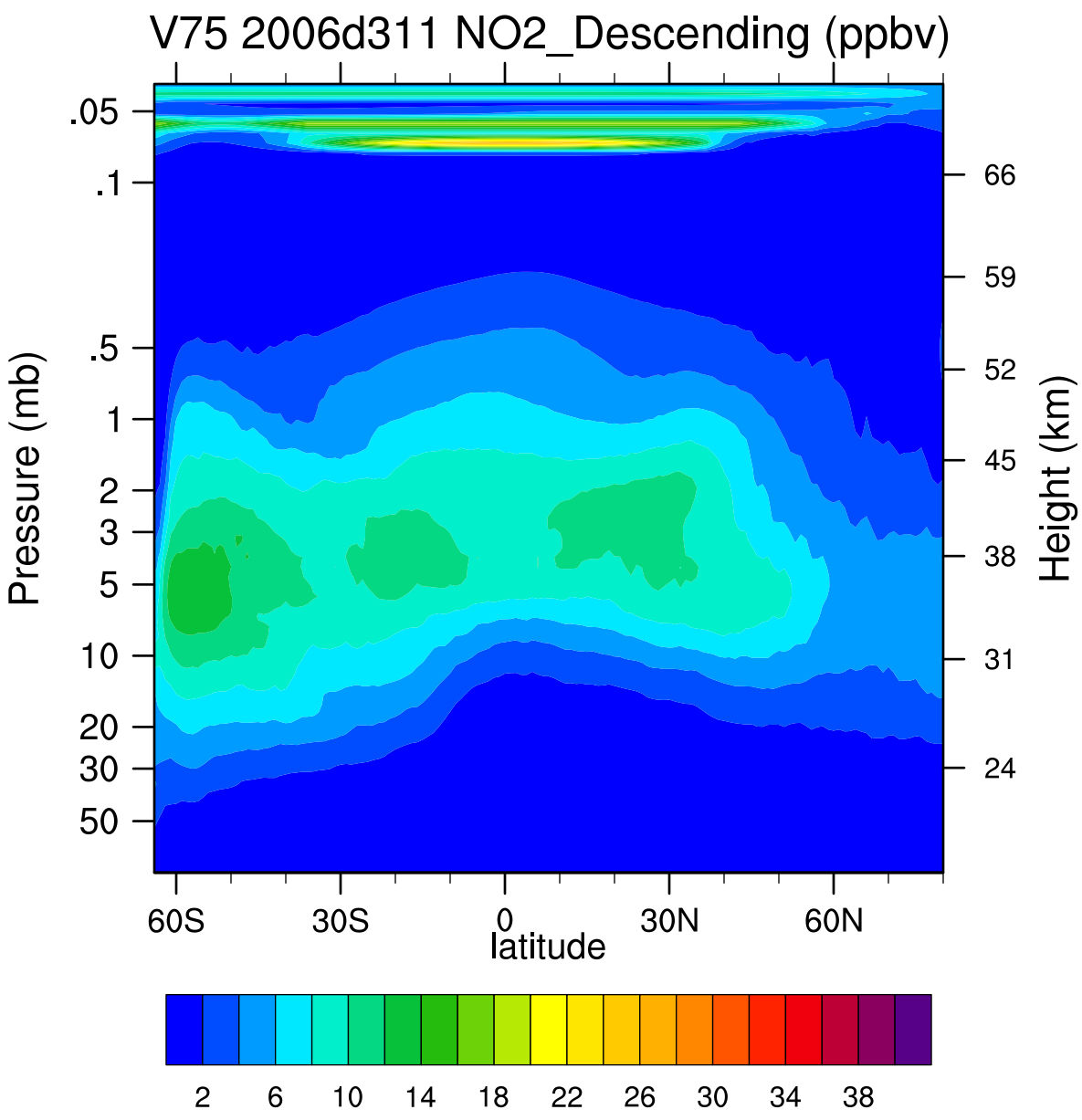
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2006d311 NO2_Descending (ppbv)
Pressure (mb)
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.5
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2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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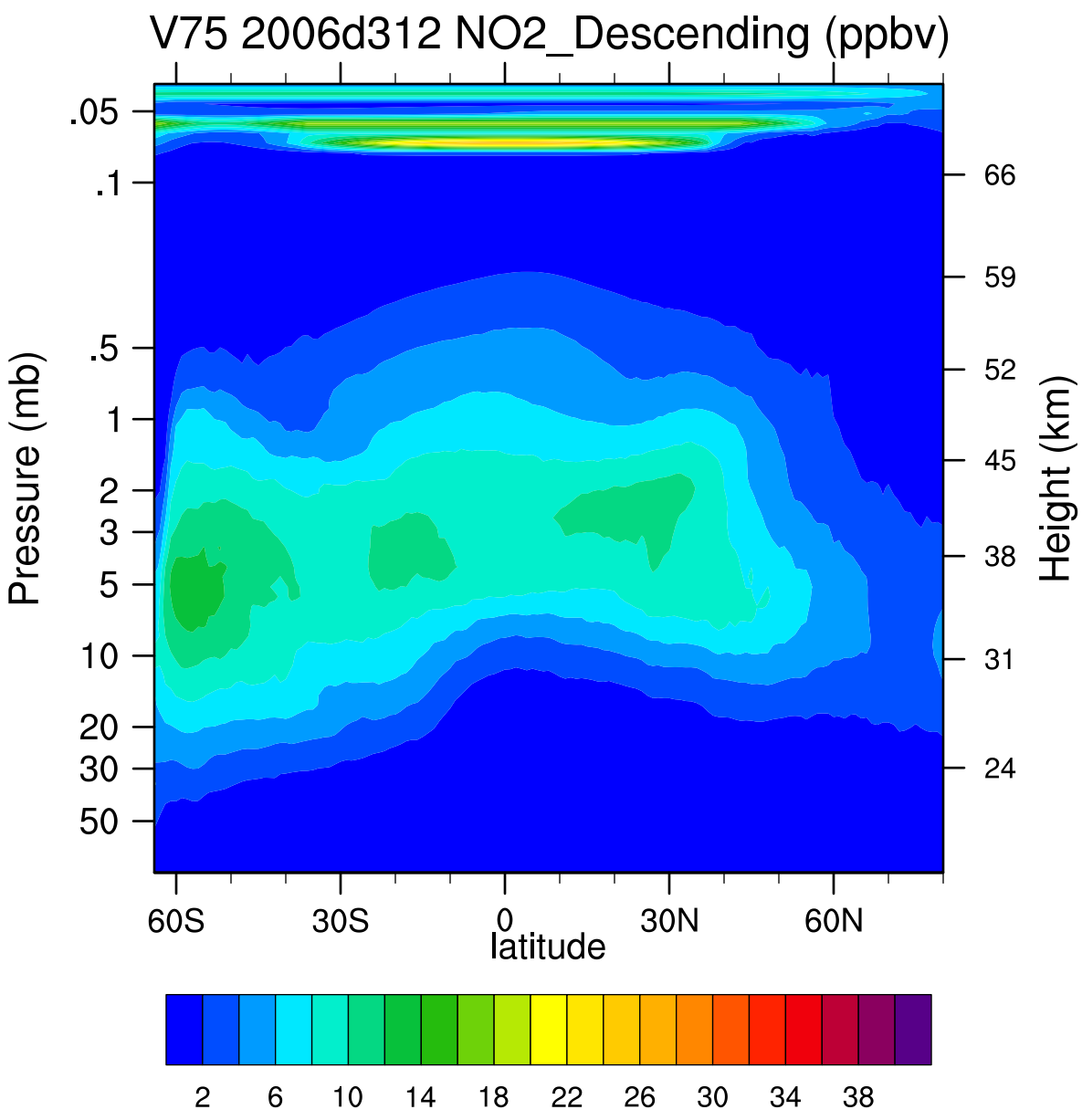
V75 2006d312 NO2_Descending (ppbv)
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.5
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2
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Pressure (mb)
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59
52
45
38
31
24
Height (km)
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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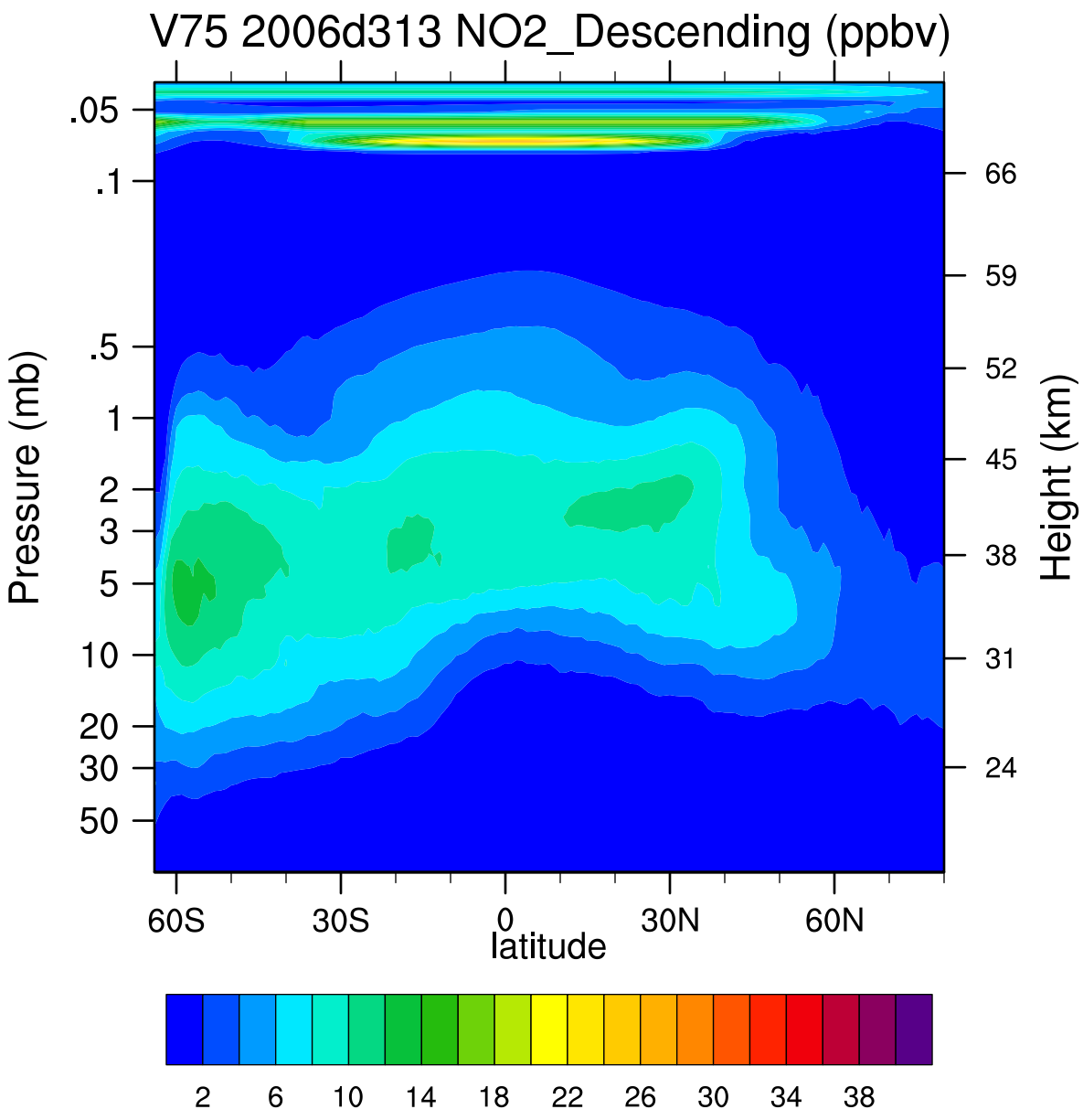
V75 2006d313 NO2_Descending (ppbv)
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.5
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Pressure (mb)
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59
52
45
38
31
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Height (km)
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30S
0
30N
60N
latitude
2
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10
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22
26
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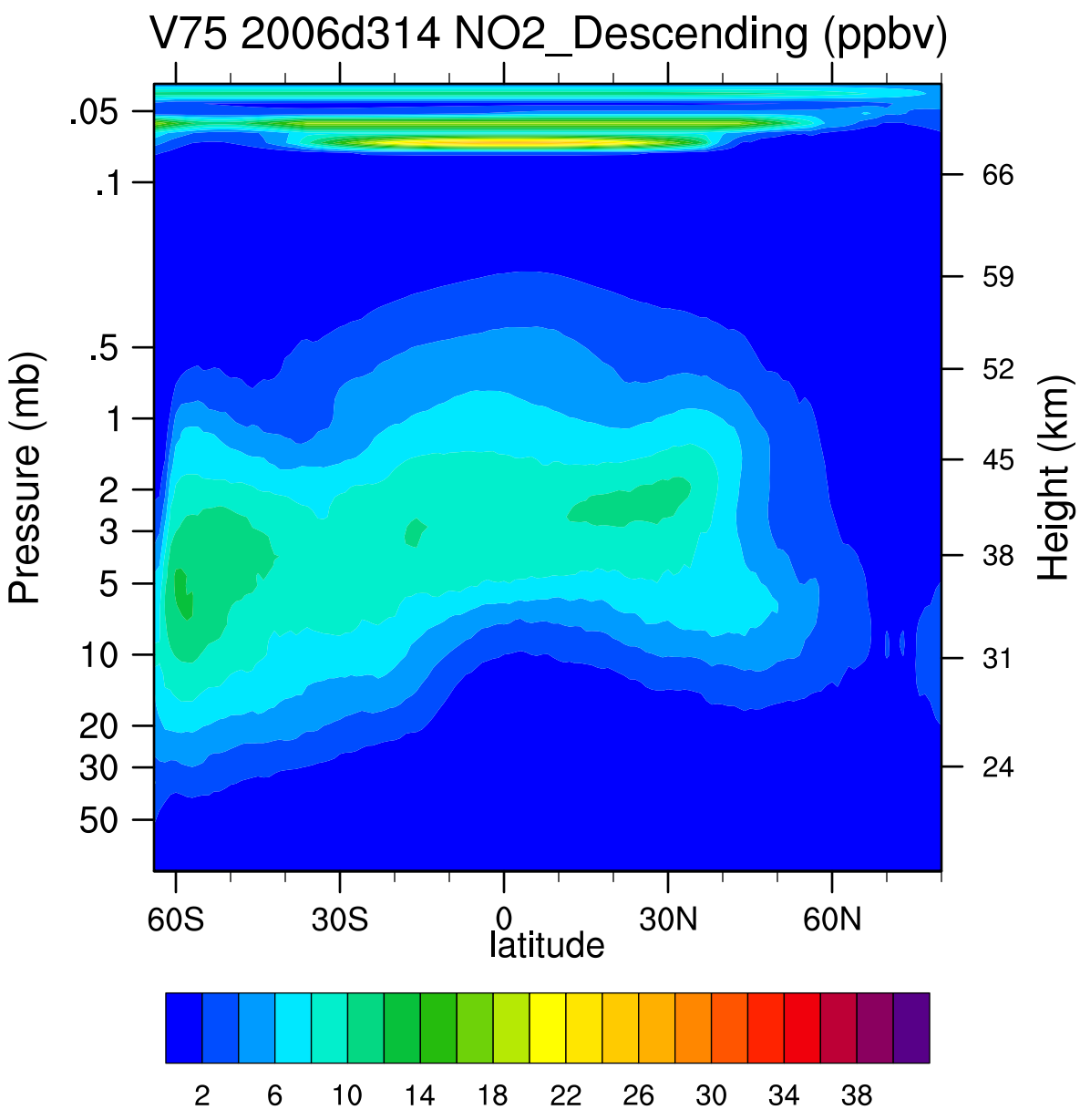
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Height (km)
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59
52
45
38
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24
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30S
0
30N
60N
latitude
2
6
10
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18
22
26
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34
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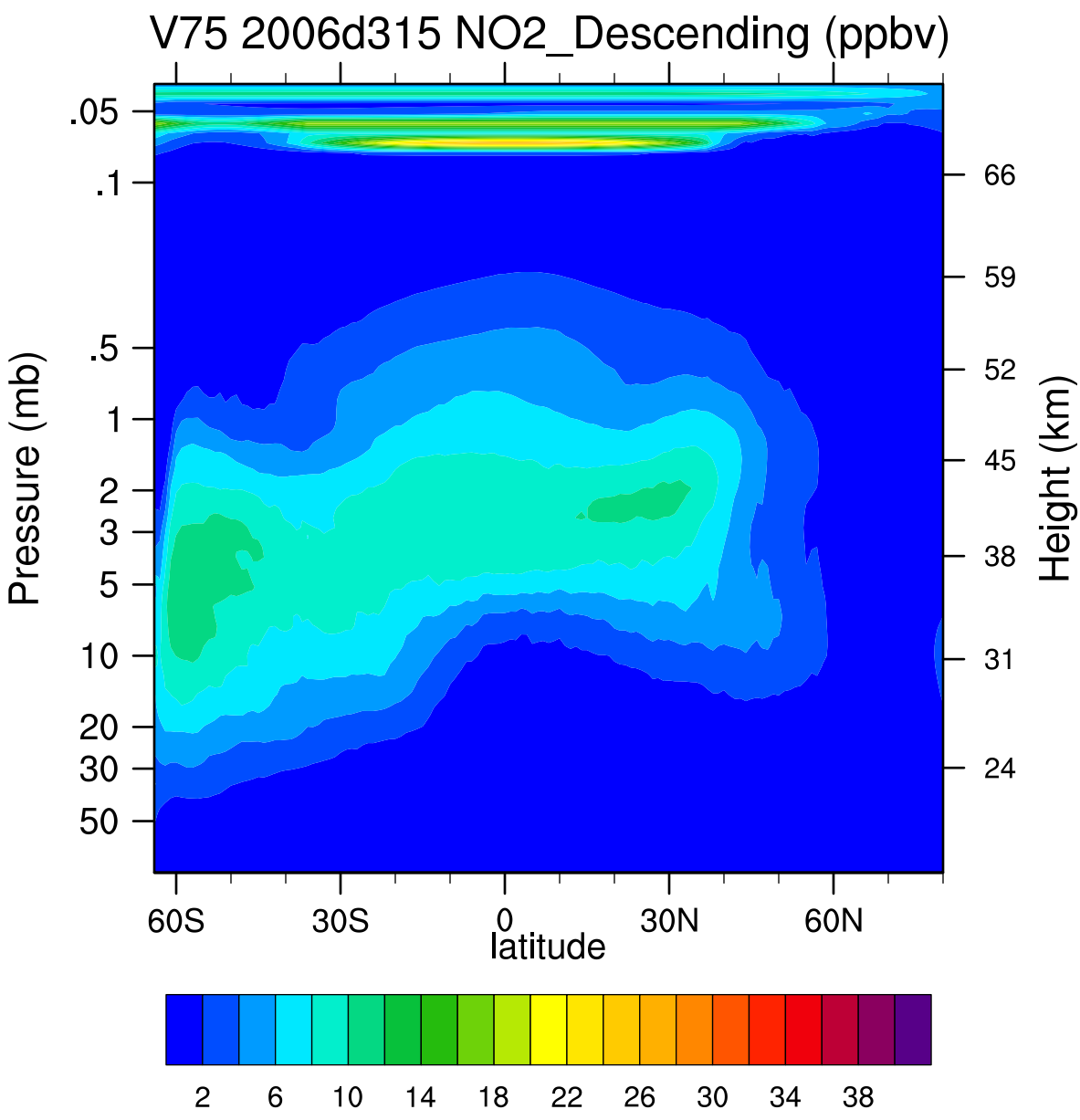
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Pressure (mb)
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Height (km)
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59
52
45
38
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24
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30S
0
30N
60N
latitude
2
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18
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26
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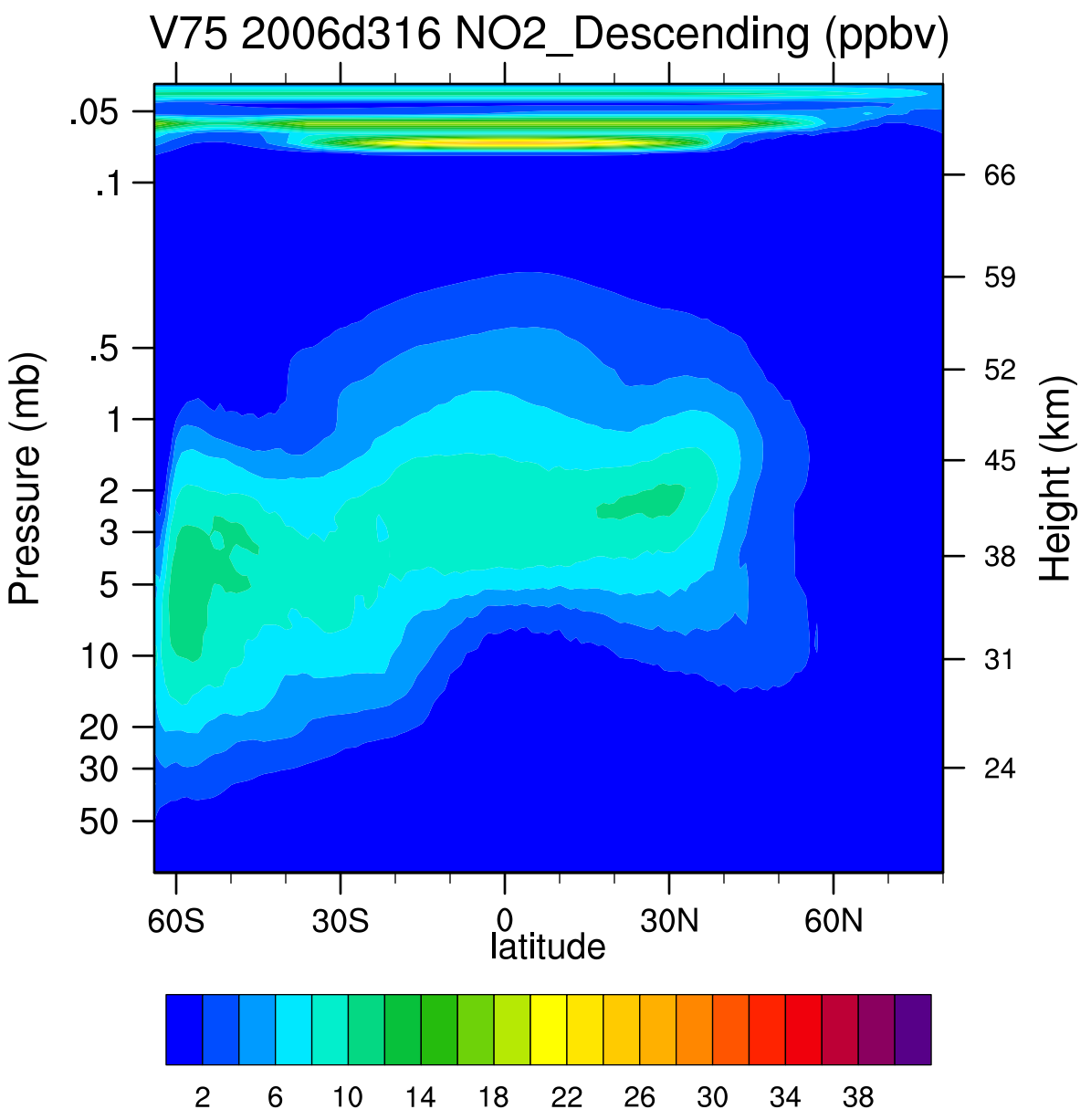
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Pressure (mb)
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59
52
45
38
31
24
Height (km)
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30S
0
30N
60N
latitude
2
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10
14
18
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26
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34
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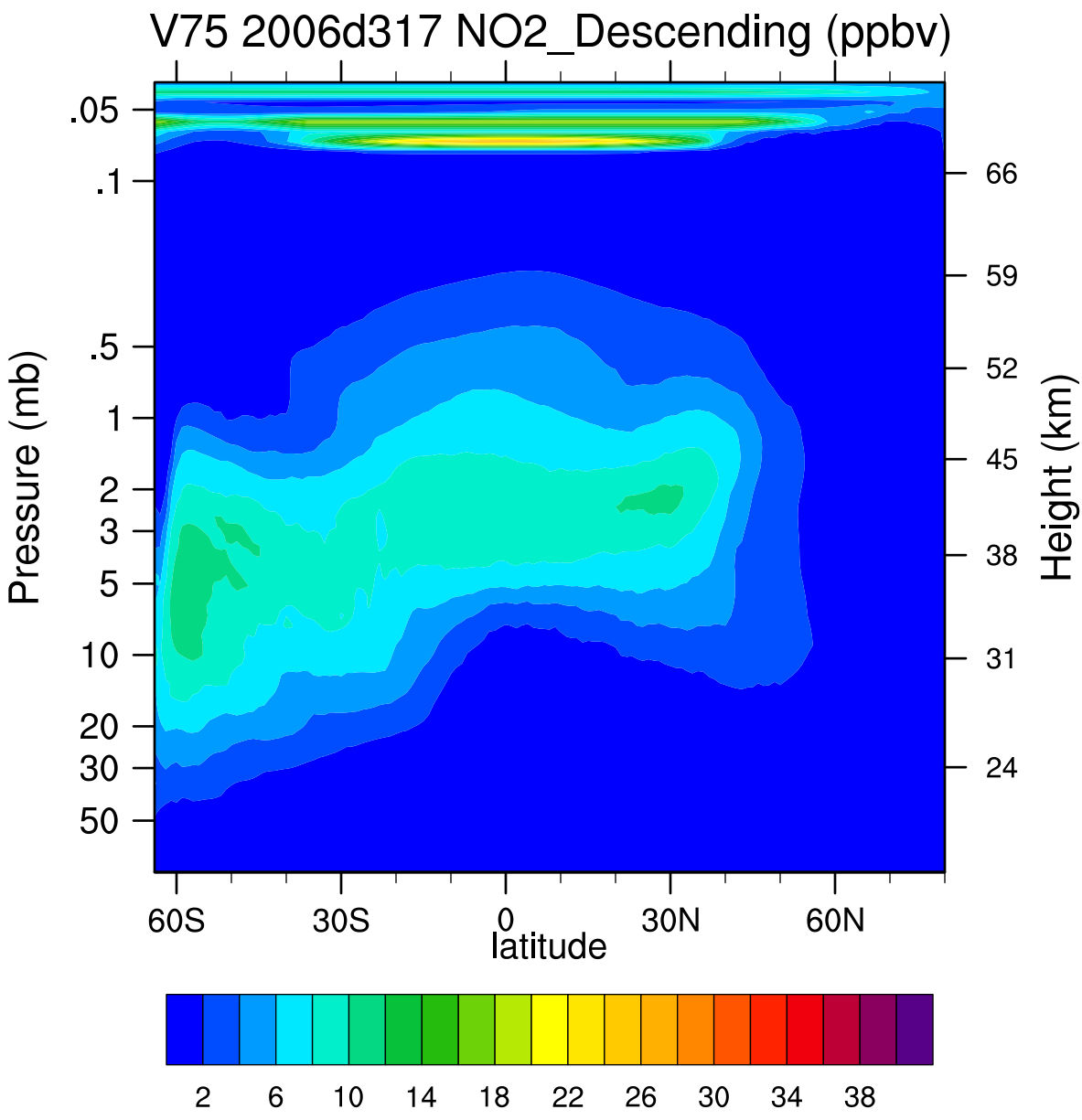
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Pressure (mb)
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Height (km)
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59
52
45
38
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24
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30S
0
30N
60N
latitude
2
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10
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18
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26
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34
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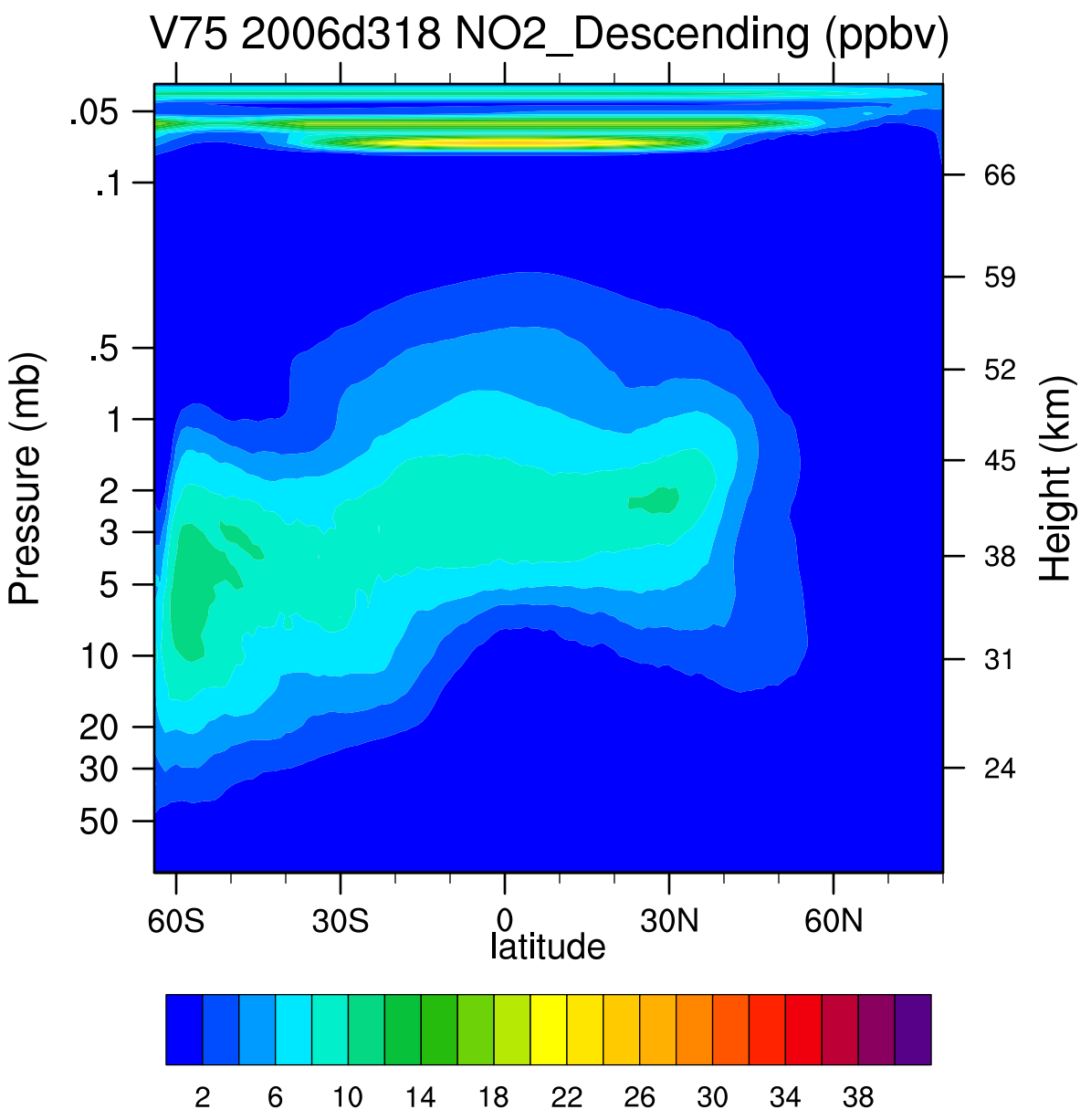
V75 2006d318 NO2_Descending (ppbv)
Pressure (mb)
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Height (km)
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59
52
45
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30S
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latitude
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26
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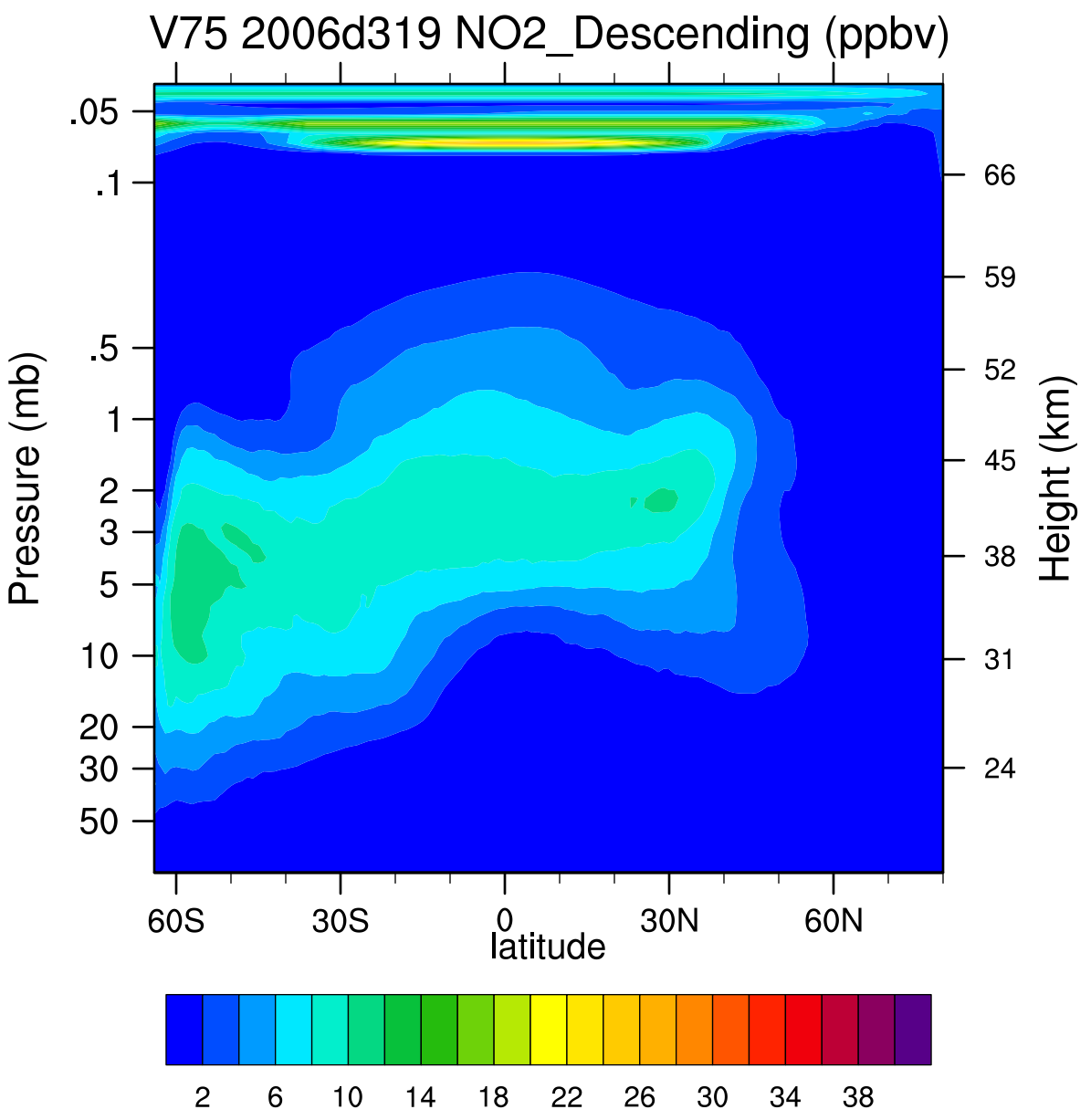
V75 2006d319 NO2_Descending (ppbv)
Pressure (mb)
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Height (km)
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59
52
45
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24
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30S
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60N
latitude
2
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26
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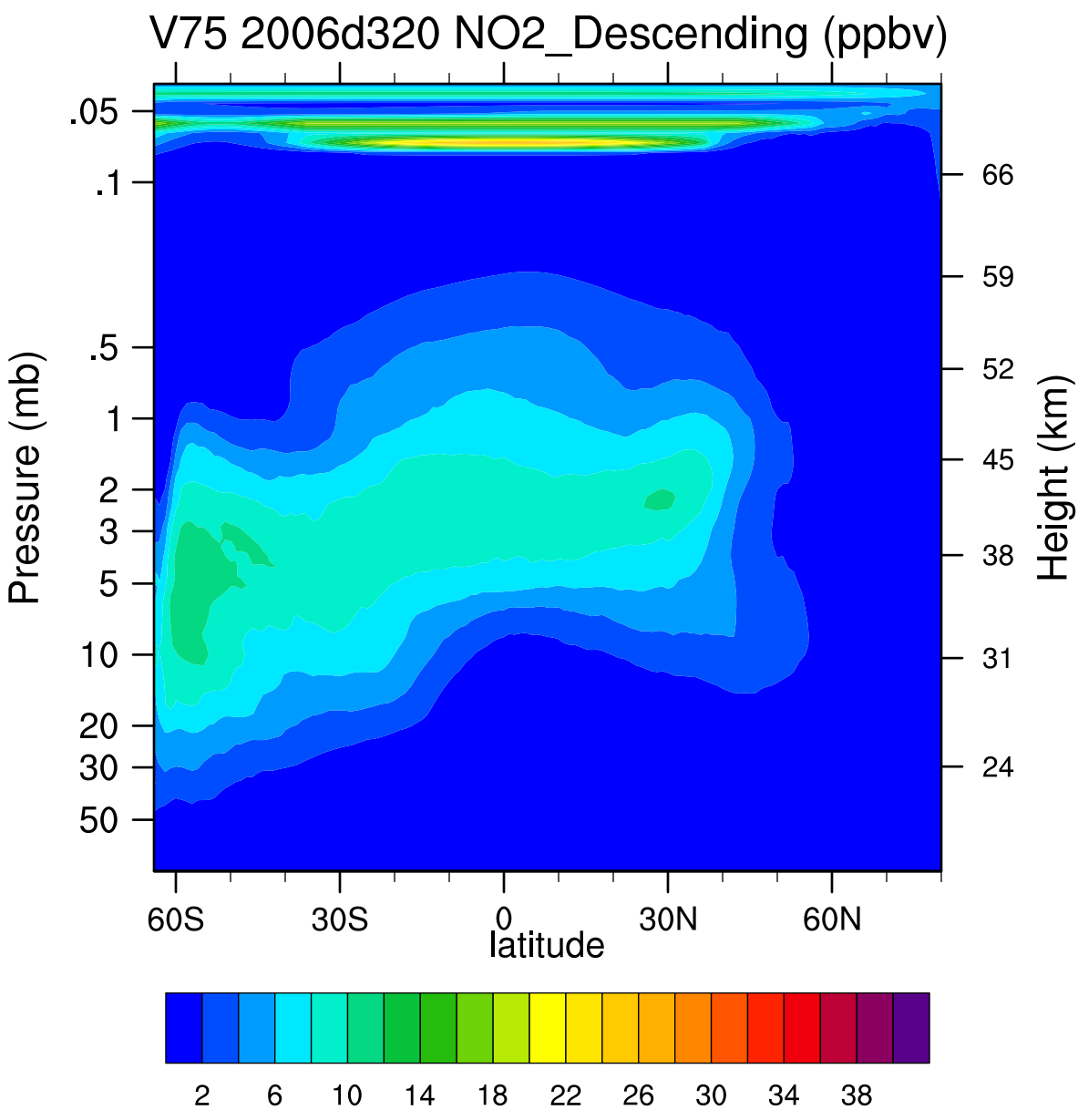
V75 2006d320 NO2_Descending (ppbv)
Pressure (mb)
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2
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5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
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60N
latitude
2
6
10
14
18
22
26
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34
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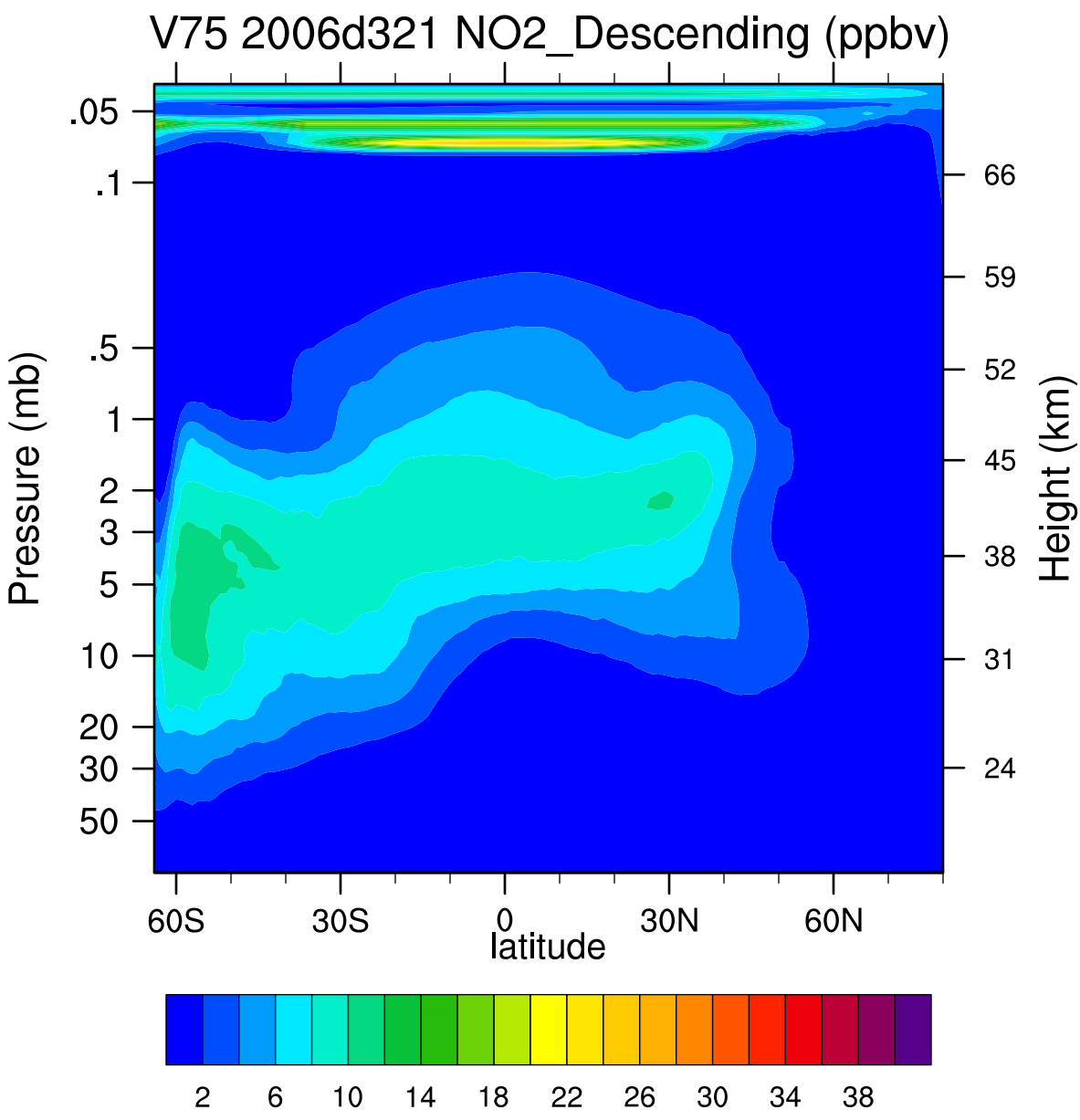
V75 2006d321 NO2_Descending (ppbv)
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20
30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
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30S
0
30N
60N
latitude
2
6
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14
18
22
26
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34
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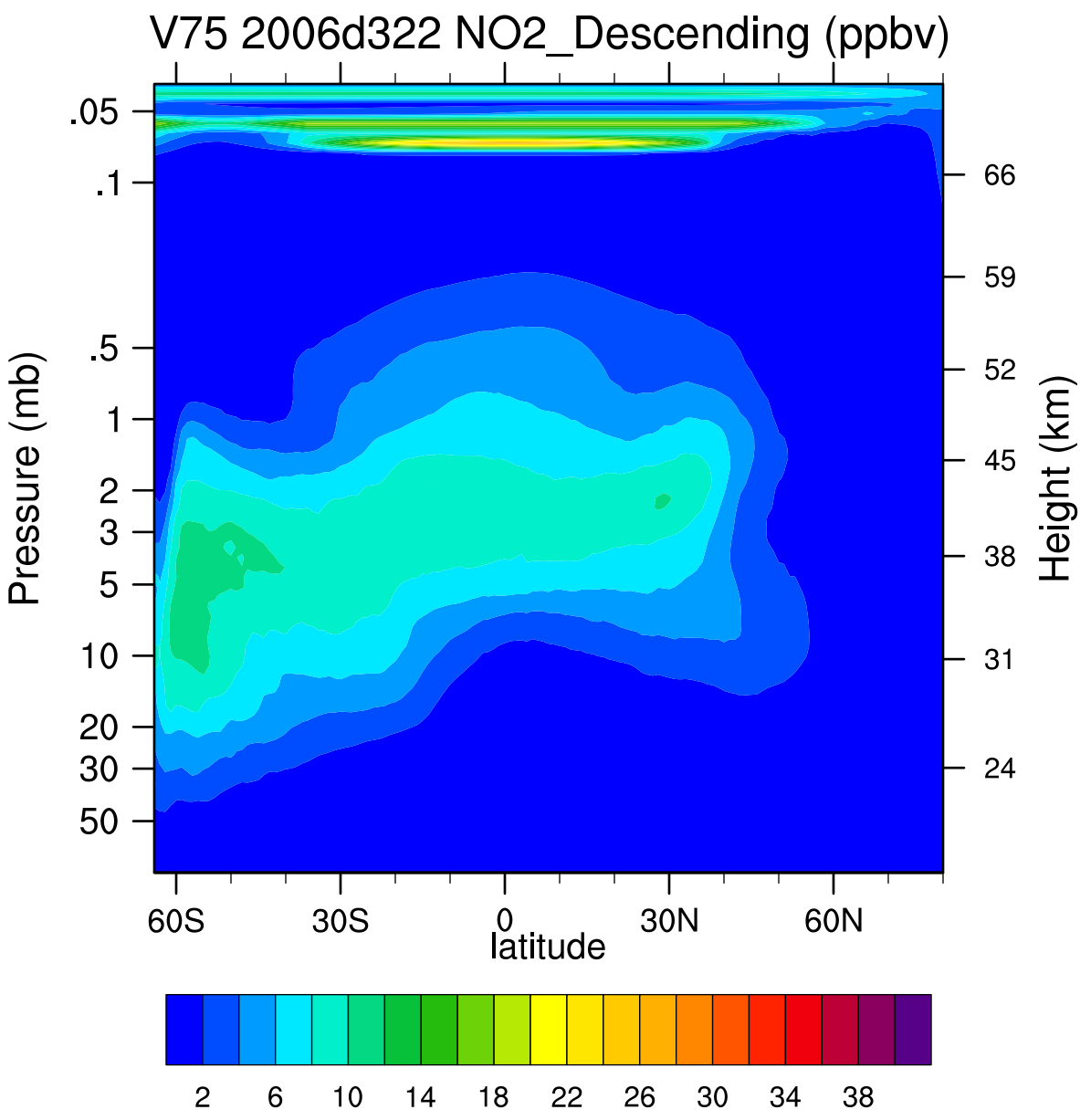
V75 2006d322 NO2_Descending (ppbv)
Pressure (mb)
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2
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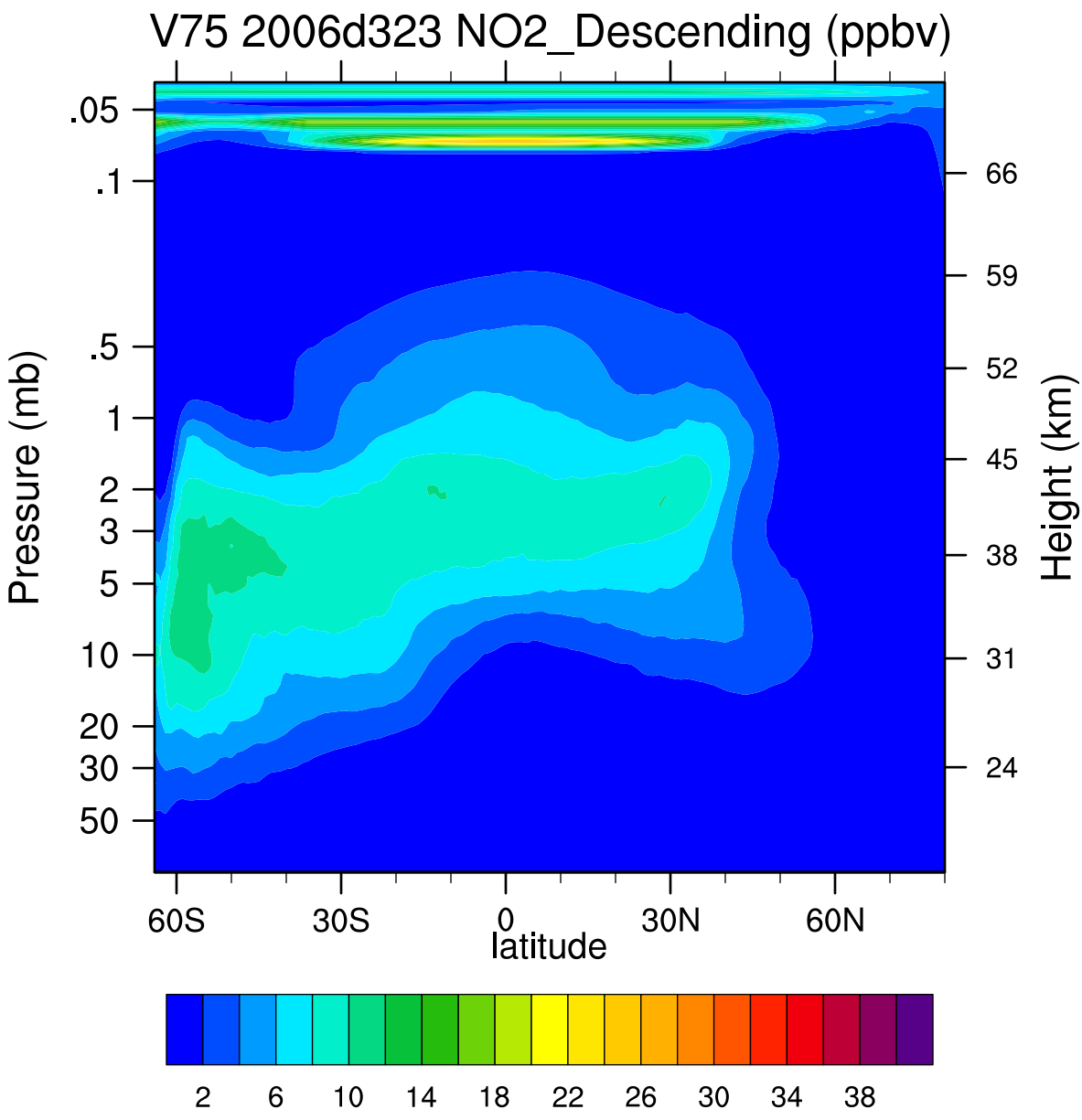
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2006d323 NO2_Descending (ppbv)
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.5
1
2
3
5
10
20
30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
60S
30S
0
30N
60N
latitude
2
6
10
14
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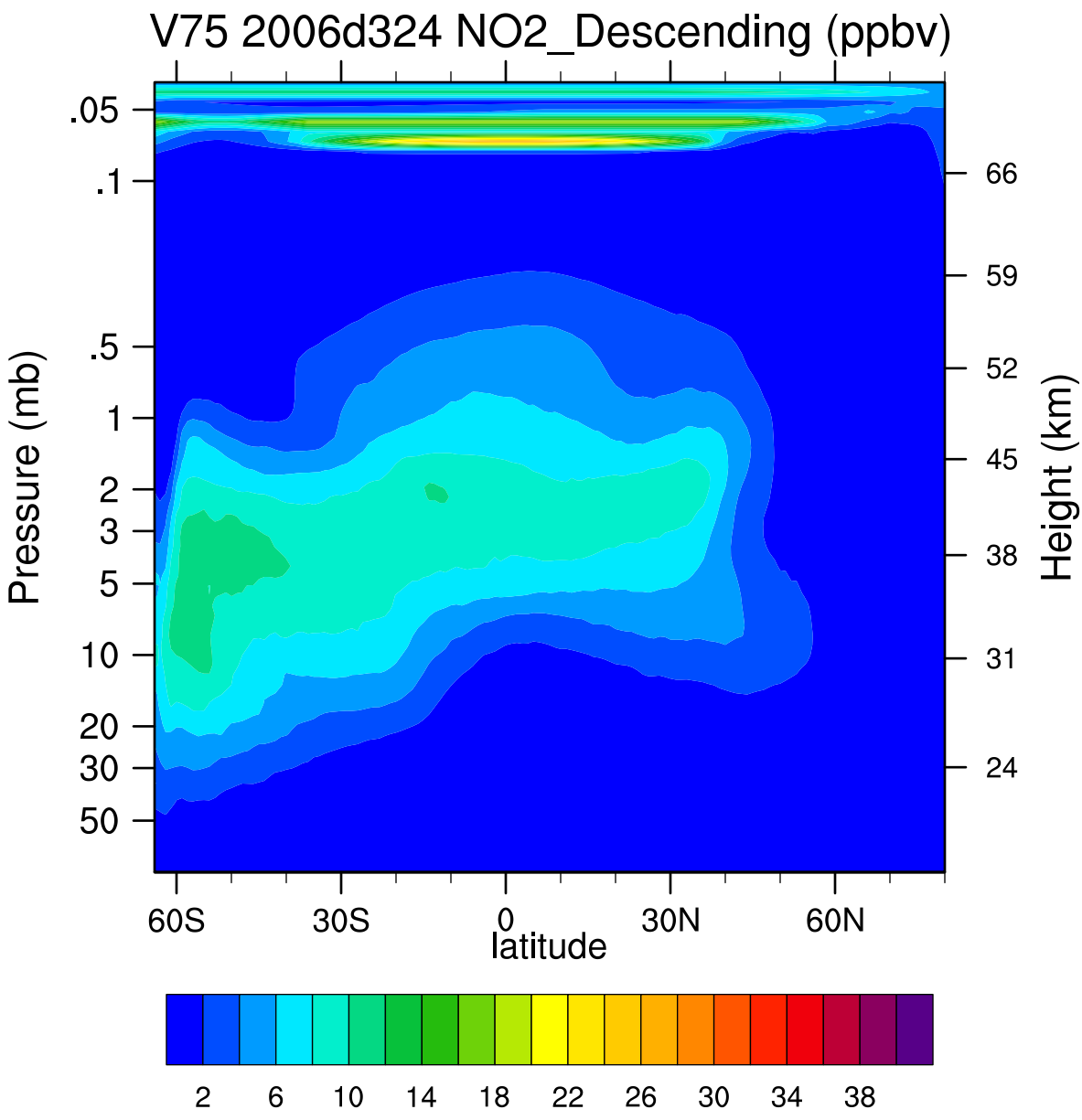
22
26
30
34
38


V75 2006d324 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
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Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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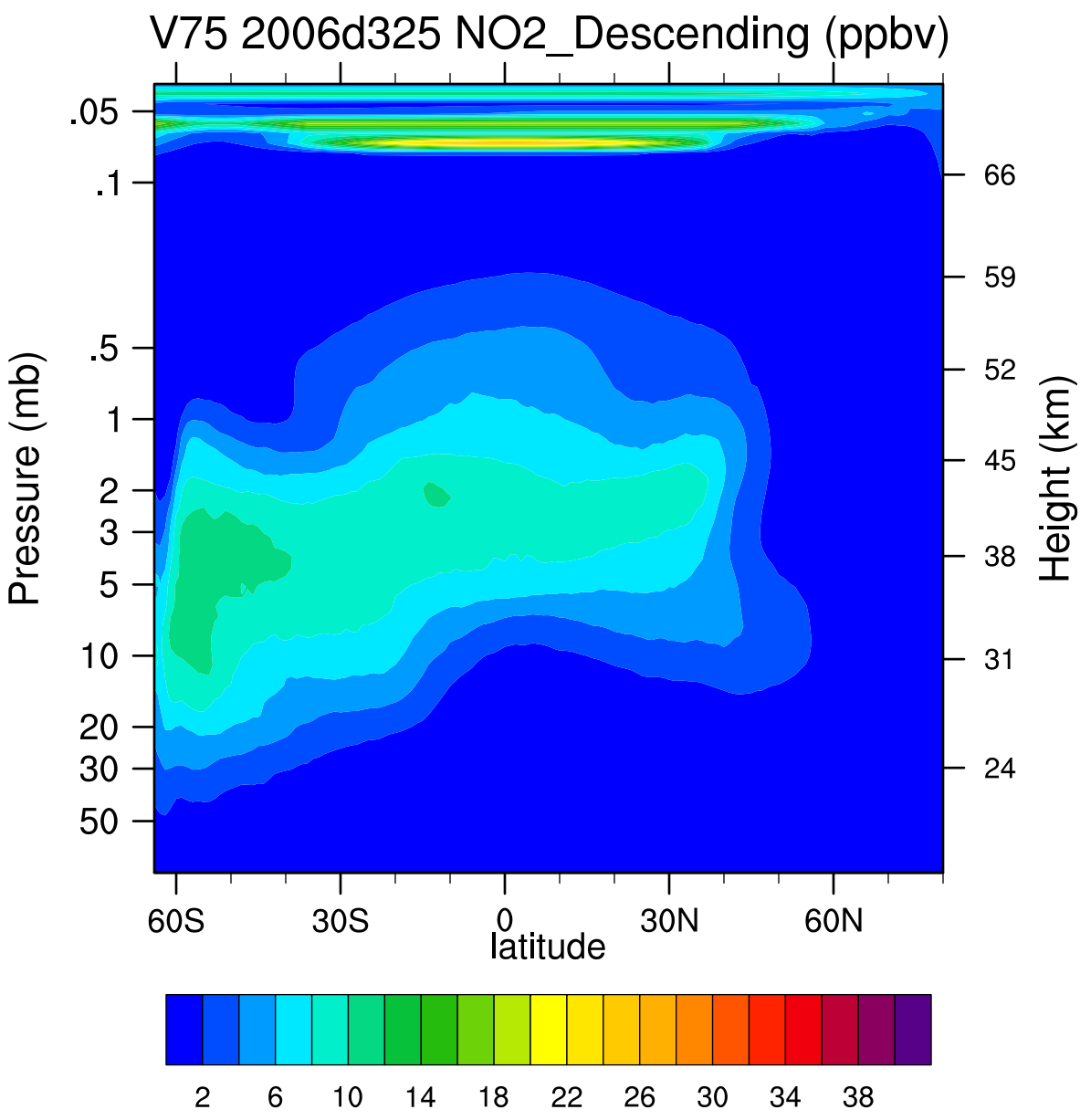
V75 2006d325 NO2_Descending (ppbv)
Pressure (mb)
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.1
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1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
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10
14
18
22
26
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34
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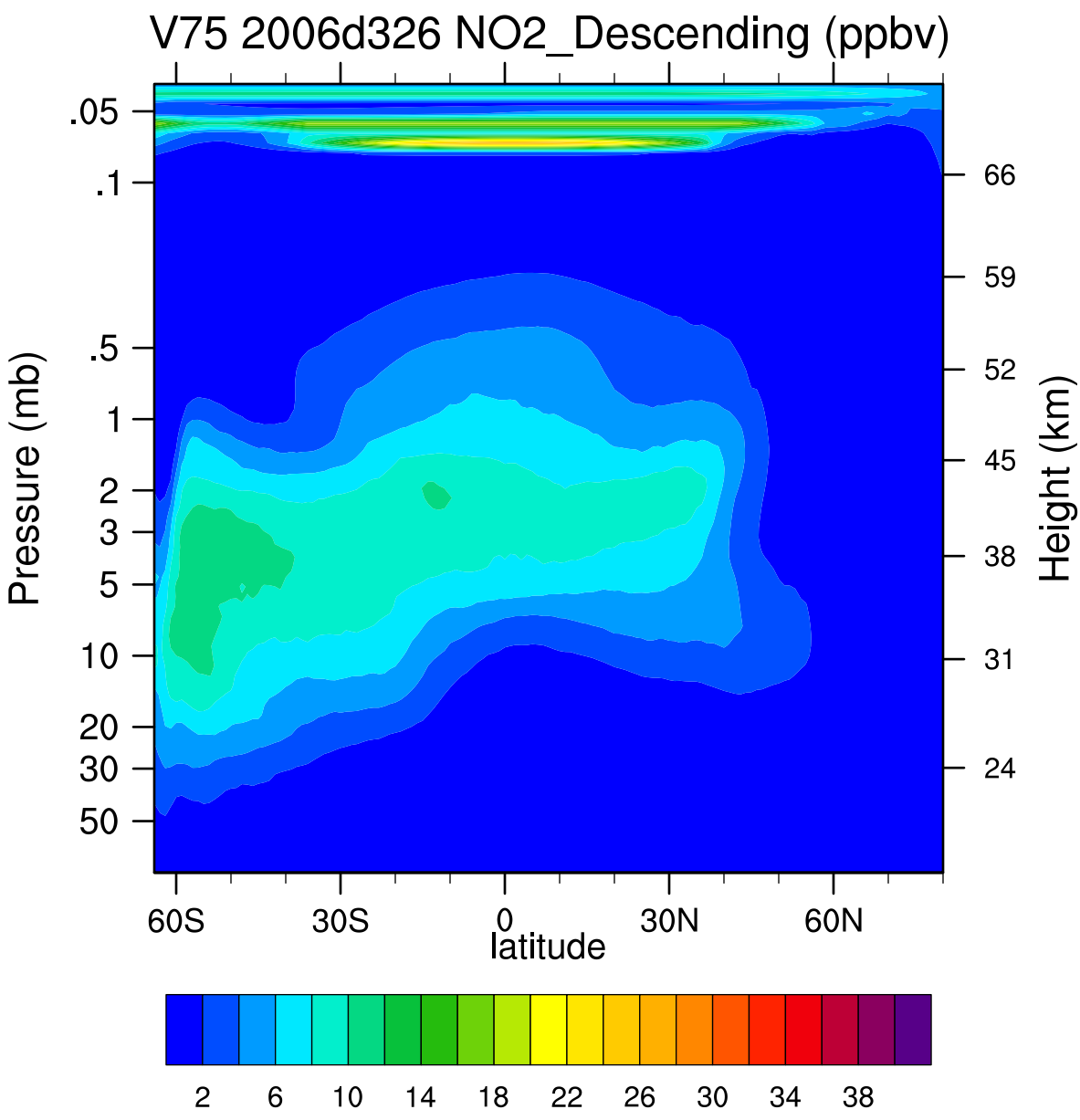
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Pressure (mb)
.05
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5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
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10
14
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26
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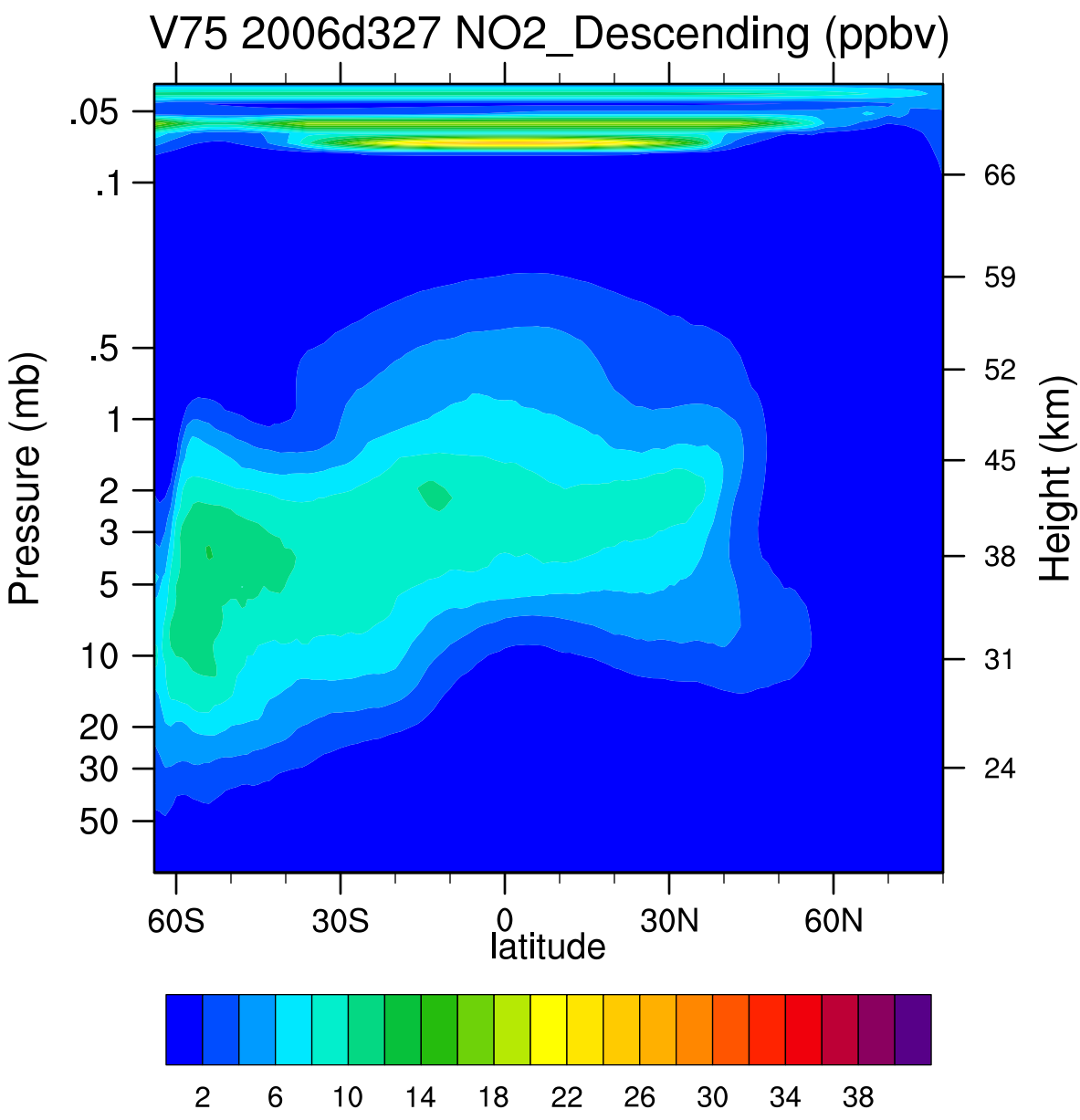
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Pressure (mb)
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5
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30
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Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
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10
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26
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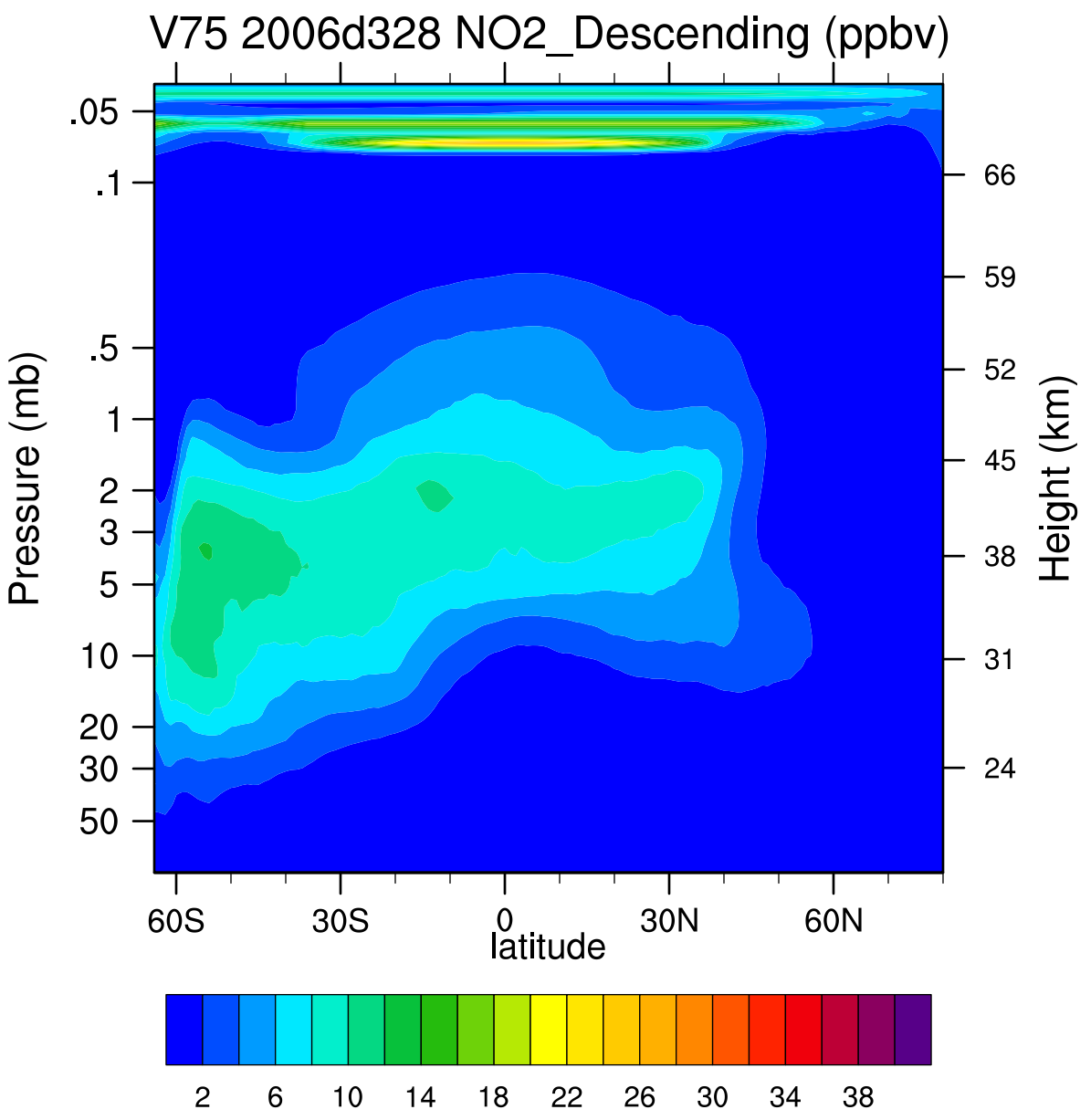
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Pressure (mb)
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Height (km)
66
59
52
45
38
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30S
0
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60N
latitude
2
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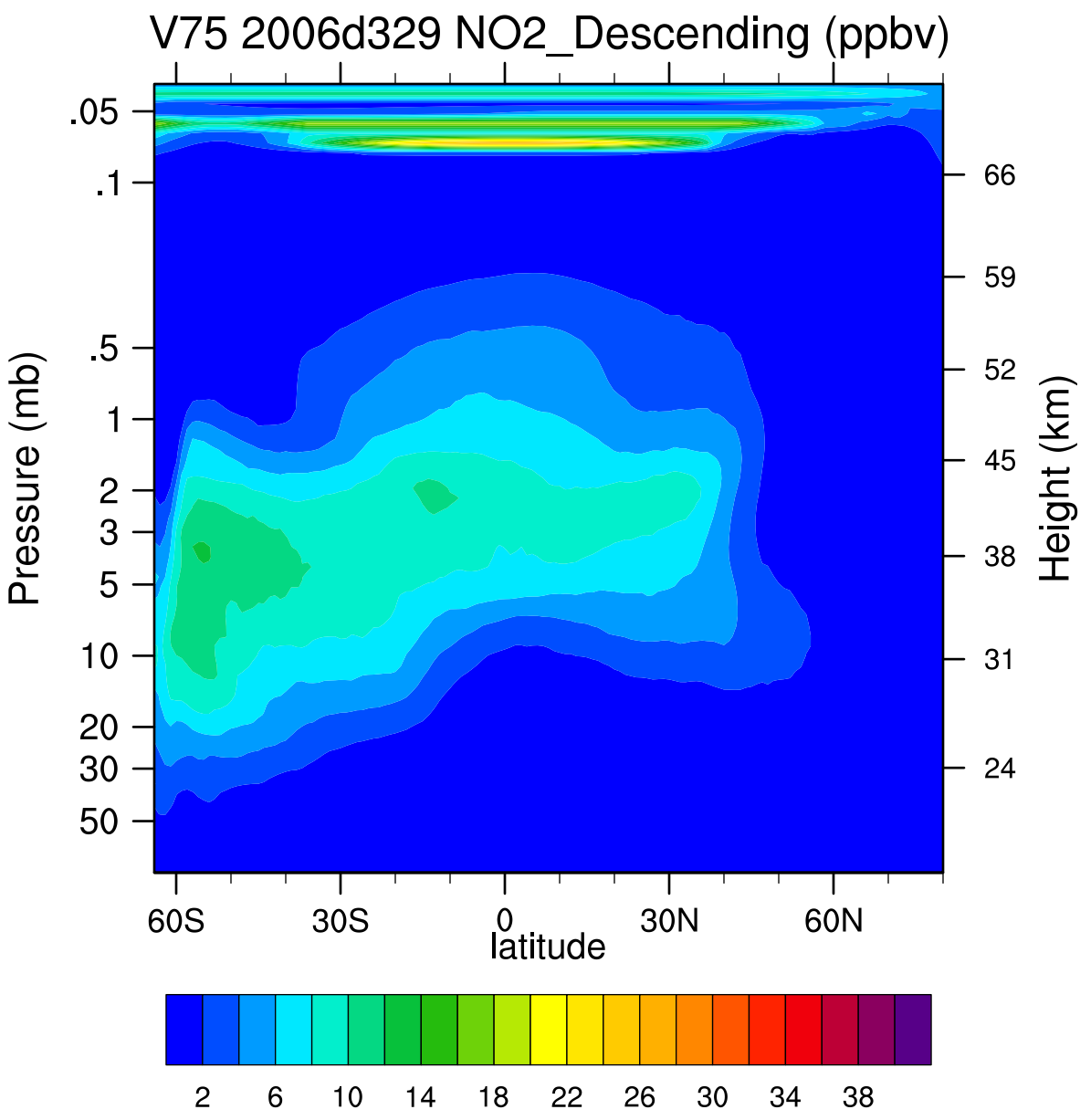
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Pressure (mb)
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Height (km)
66
59
52
45
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30S
0
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60N
latitude
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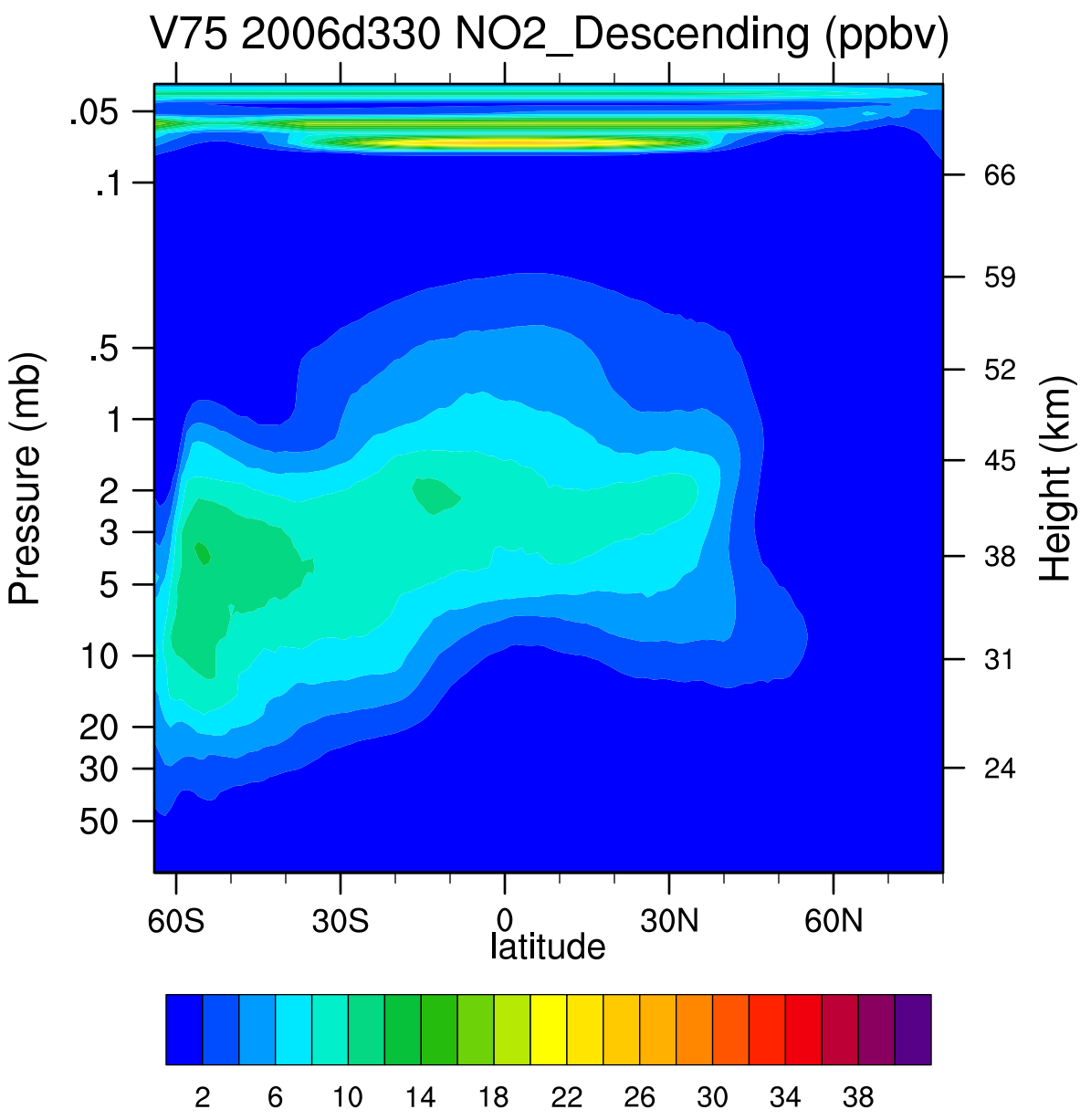
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Pressure (mb)
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Height (km)
66
59
52
45
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30S
0
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60N
latitude
2
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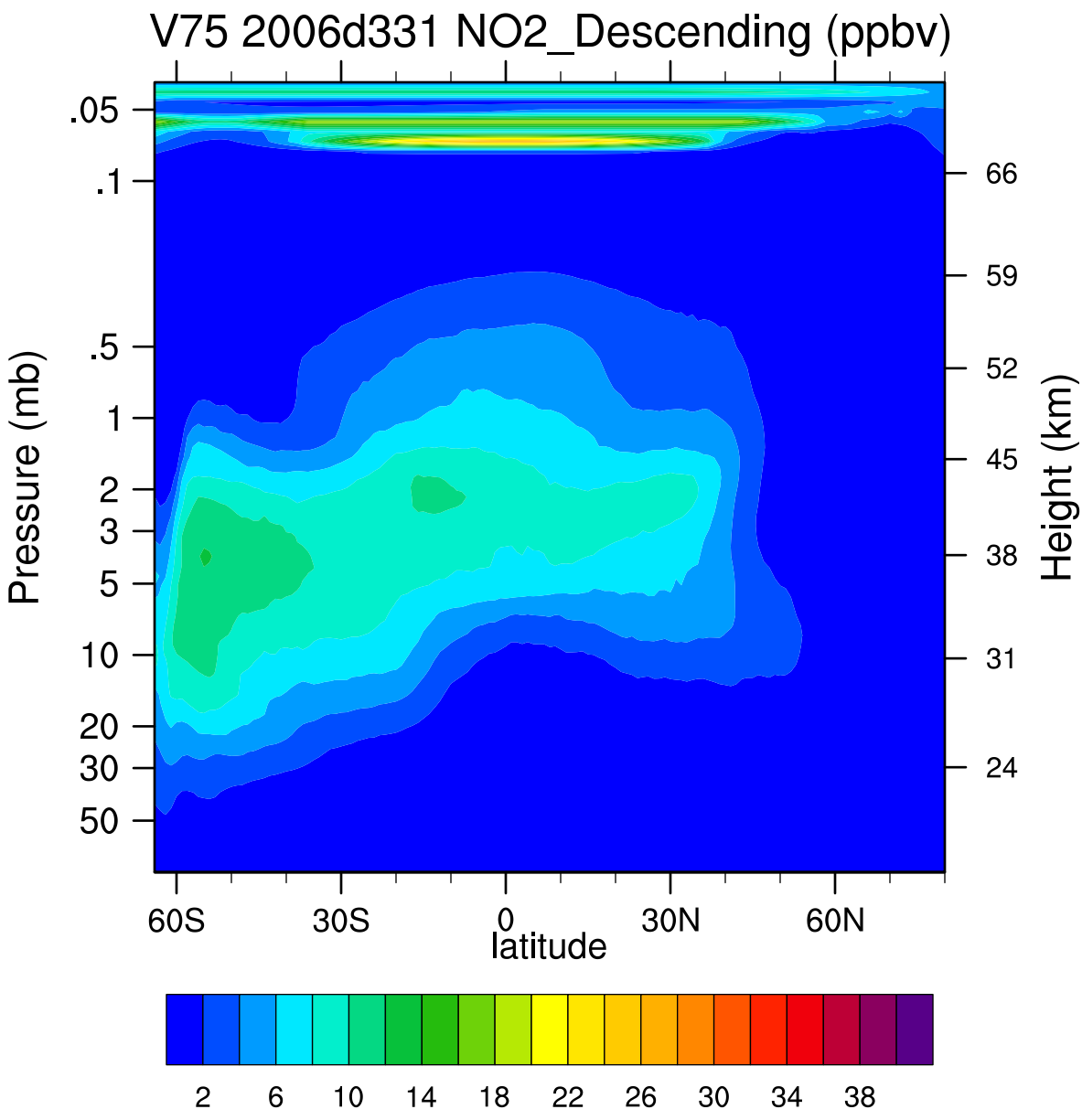
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Pressure (mb)
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30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
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14
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26
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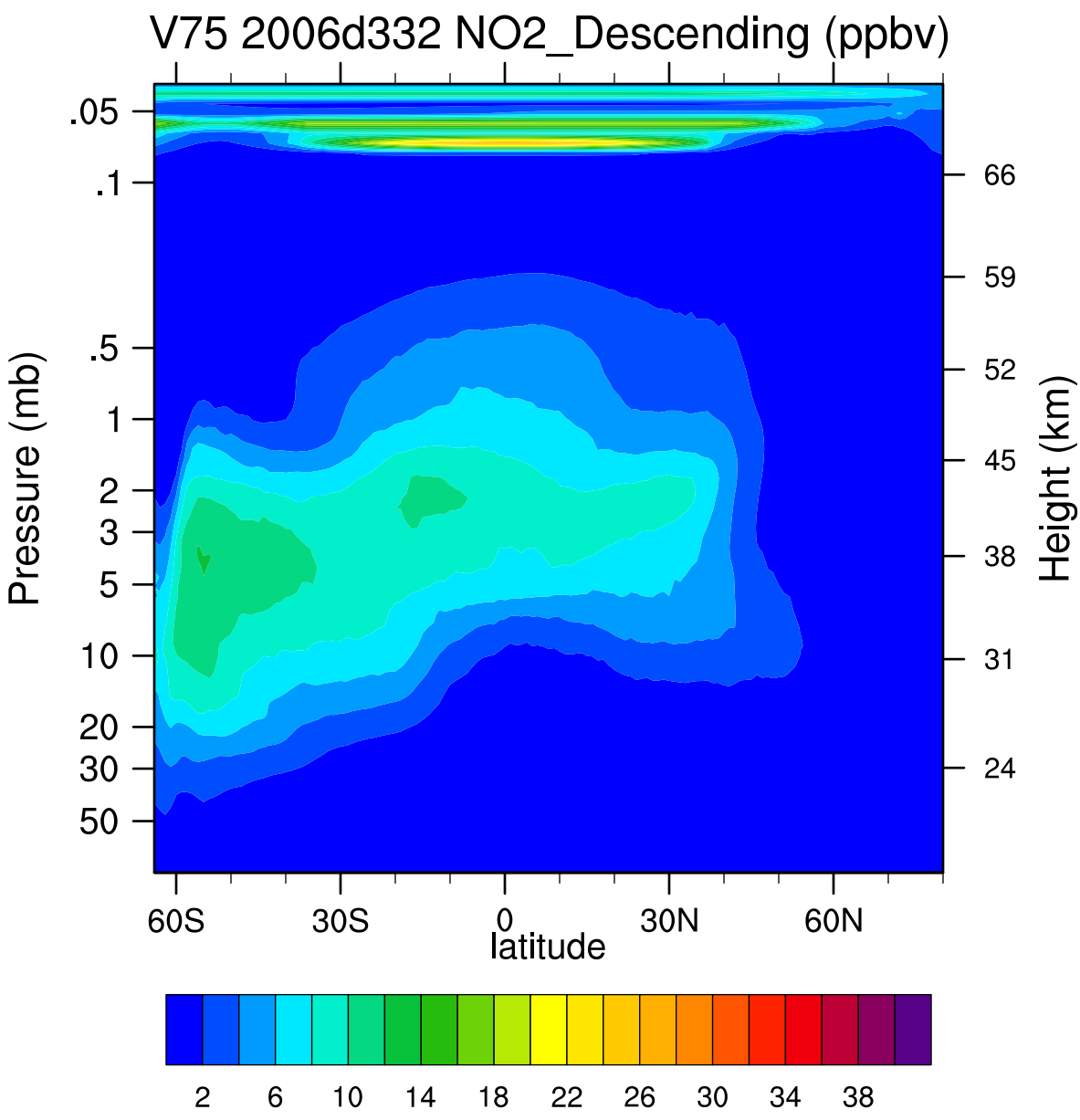
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30
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Pressure (mb)
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59
52
45
38
31
24
Height (km)
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30S
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30N
60N
latitude
2
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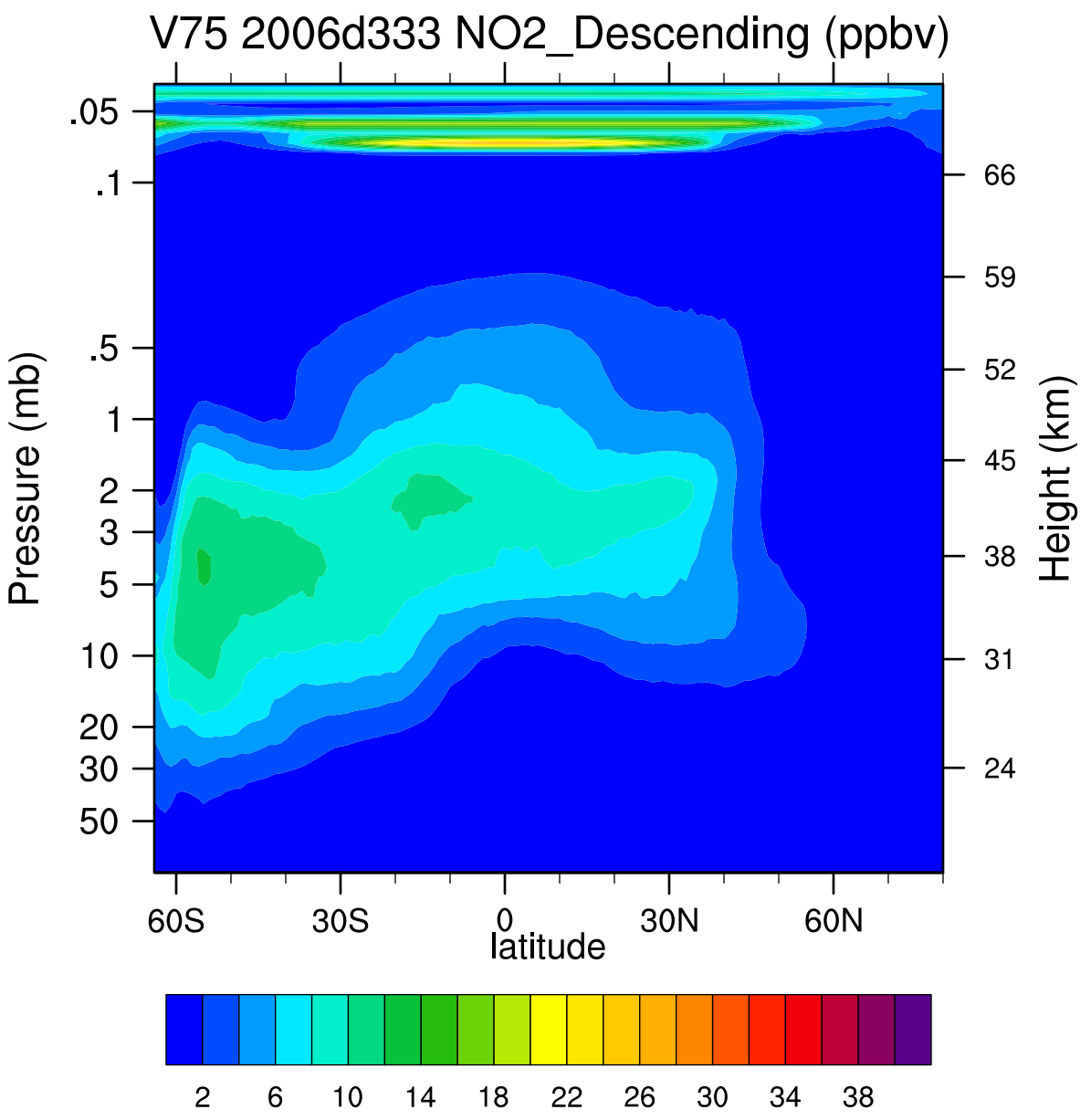
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5
10
20
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50
Height (km)
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59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
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26
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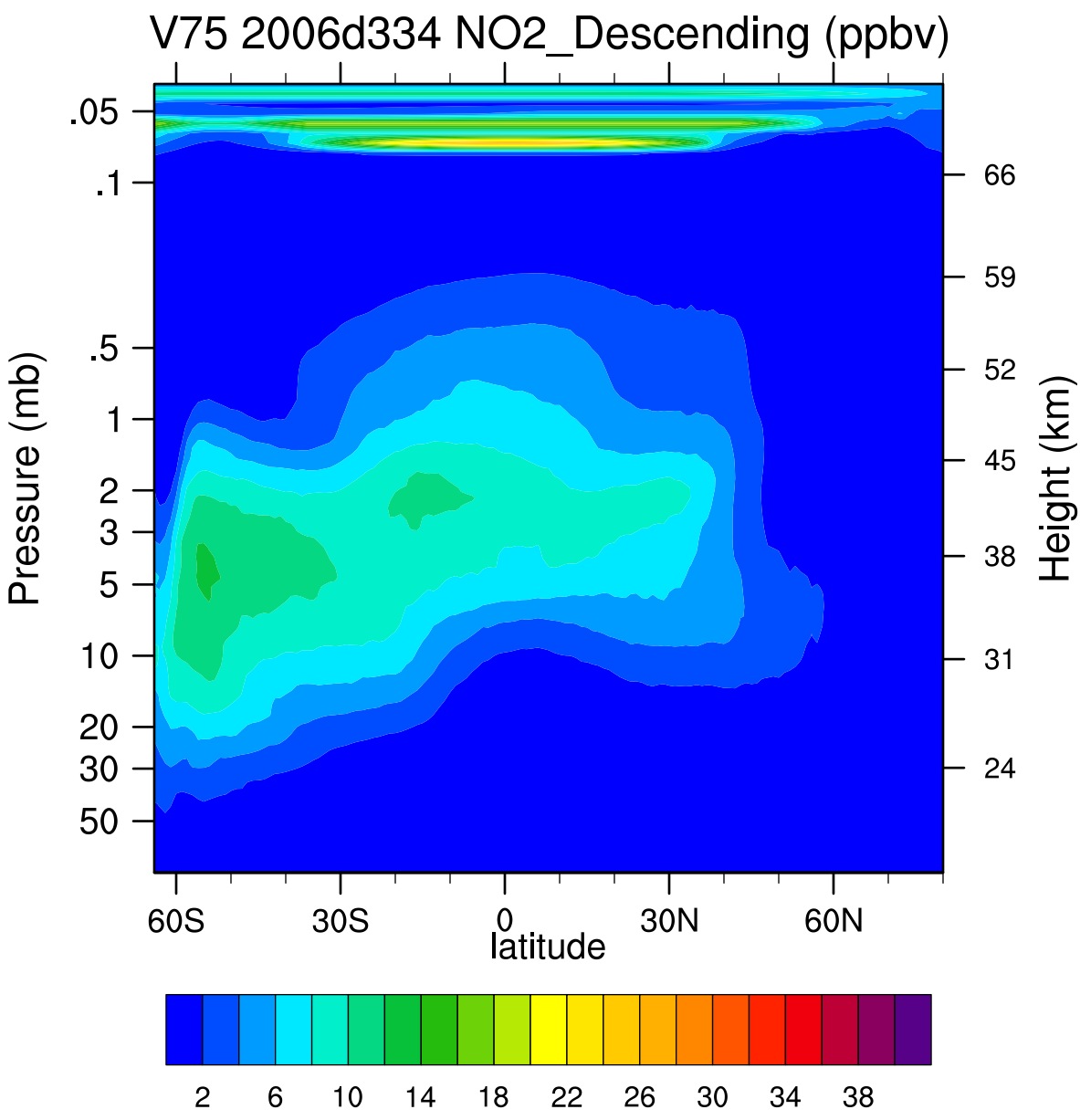
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Pressure (mb)
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5
10
20
30
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Height (km)
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59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
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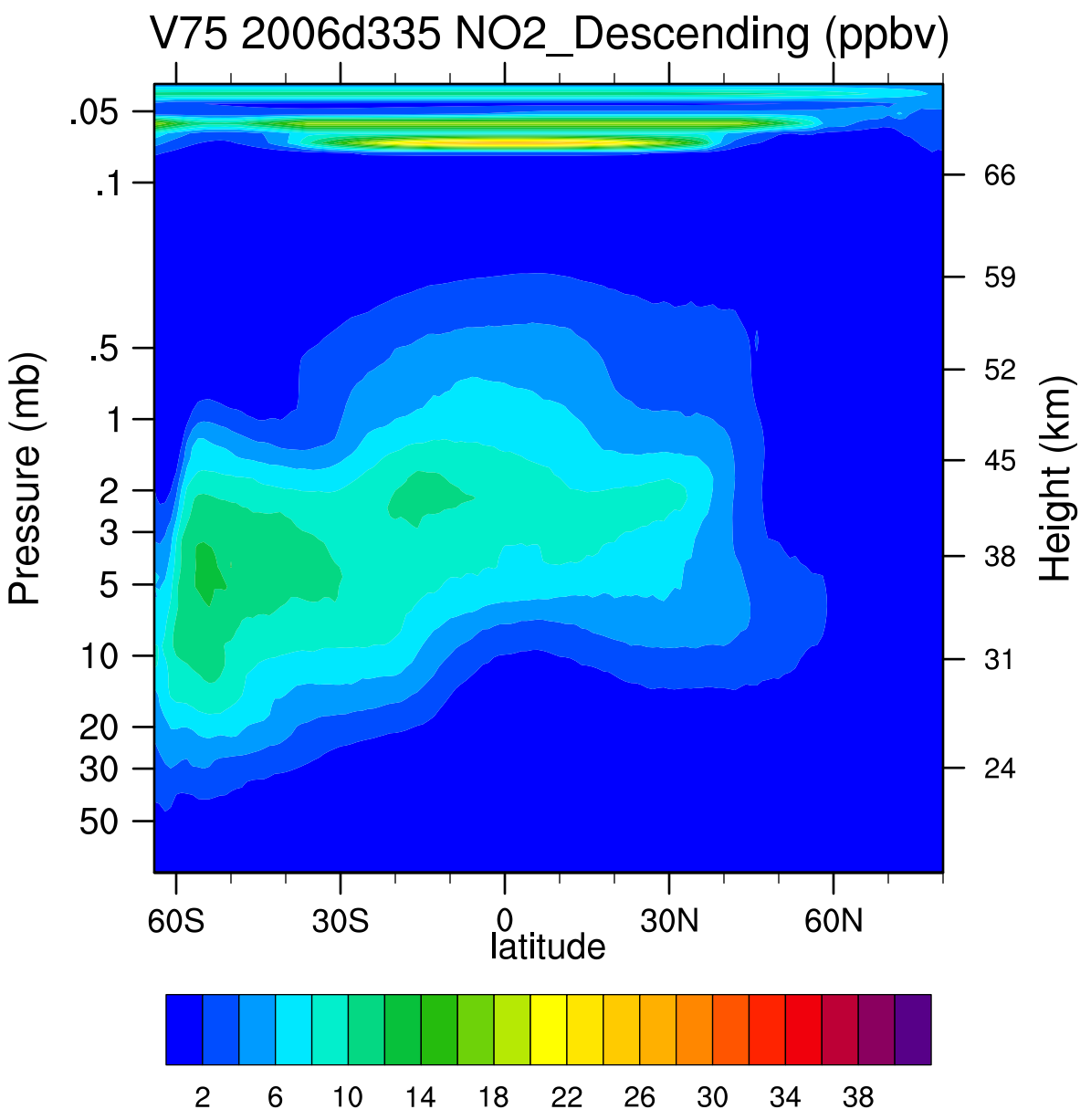
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Pressure (mb)
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.5
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5
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20
30
50
Height (km)
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59
52
45
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24
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30S
0
30N
60N
latitude
2
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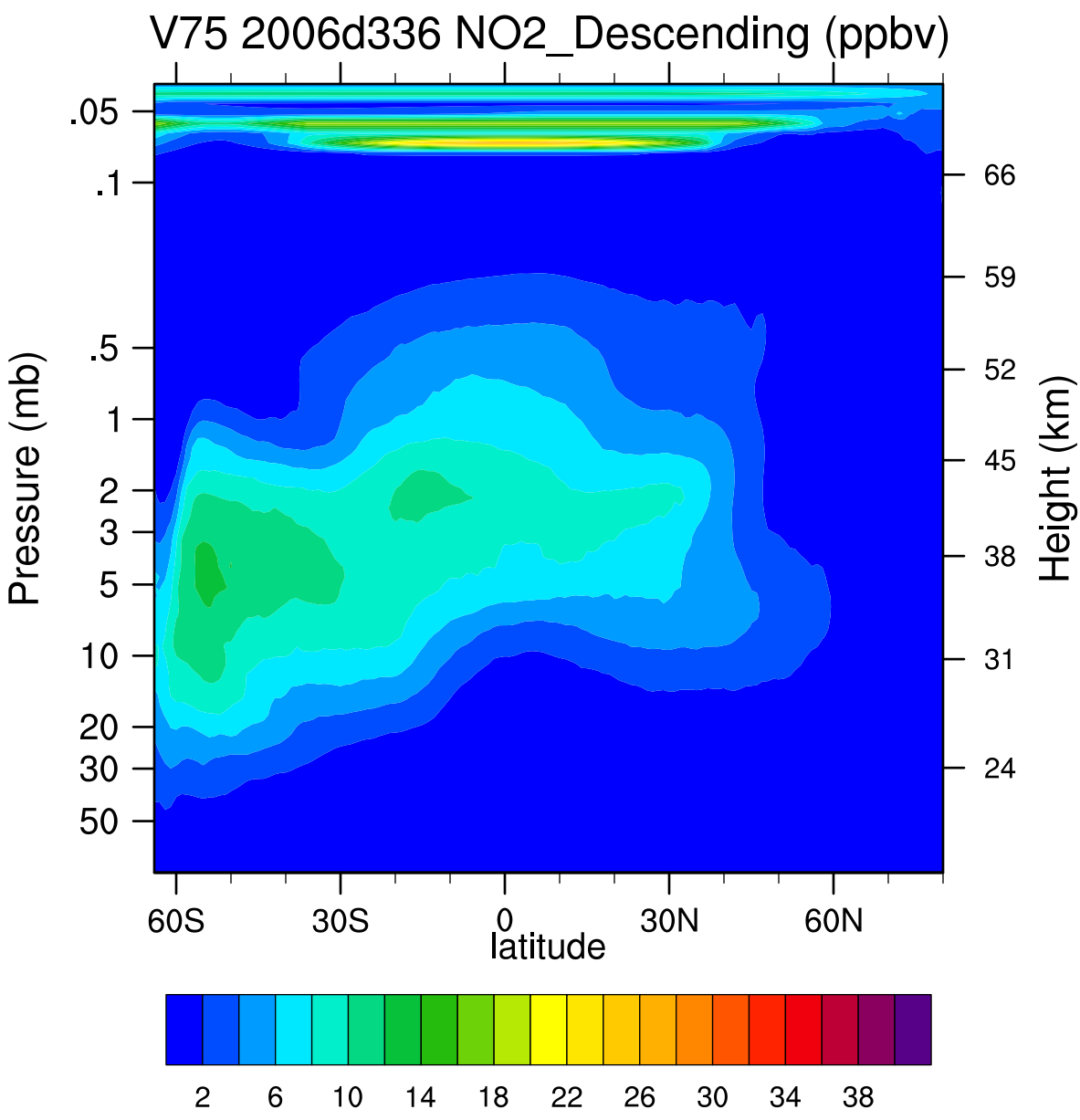
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30
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Pressure (mb)
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59
52
45
38
31
24
Height (km)
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30S
0
30N
60N
latitude
2
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10
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26
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34
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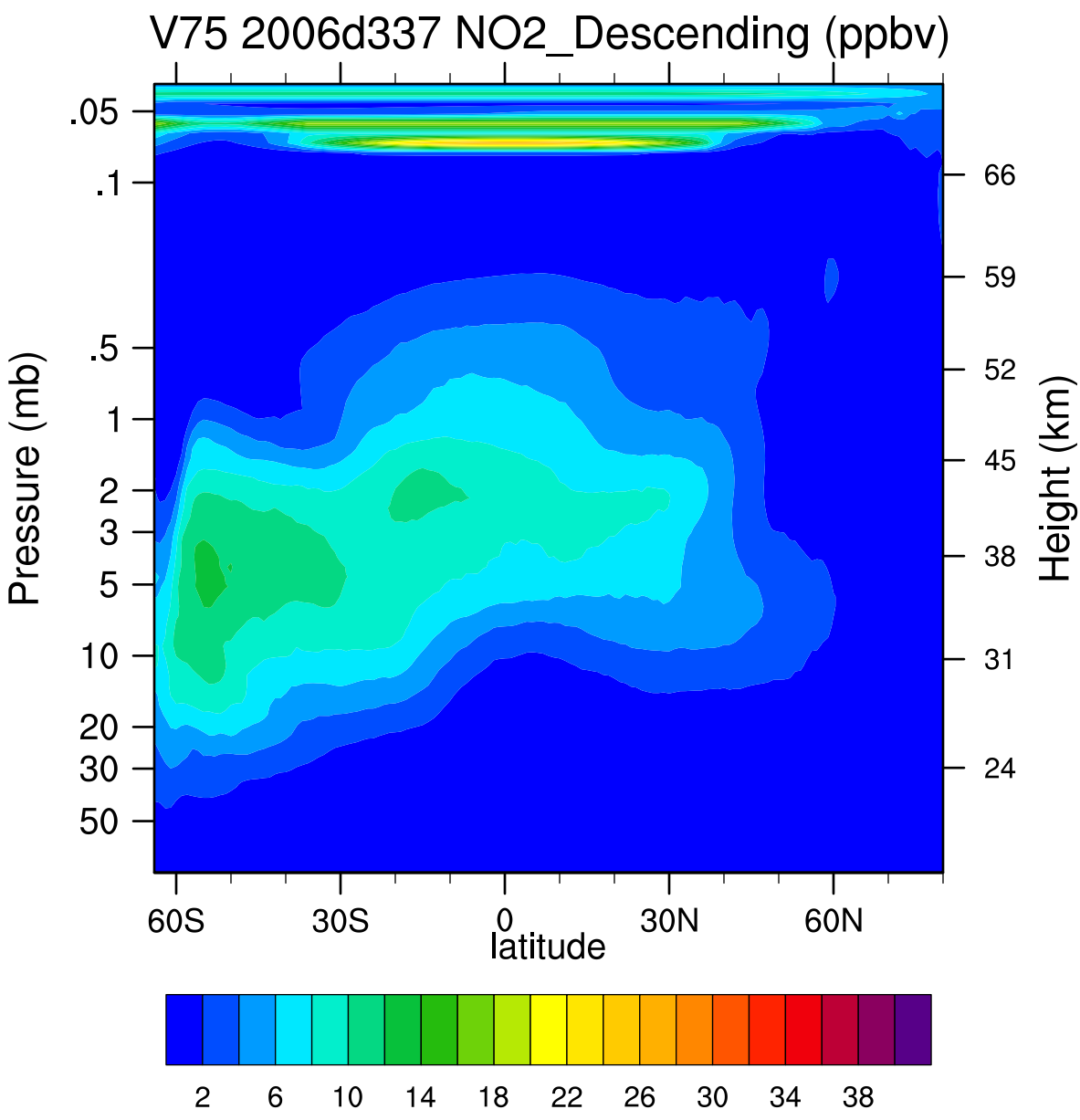
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.5
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2
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Pressure (mb)
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59
52
45
38
31
24
Height (km)
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30S
0
30N
60N
latitude
2
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26
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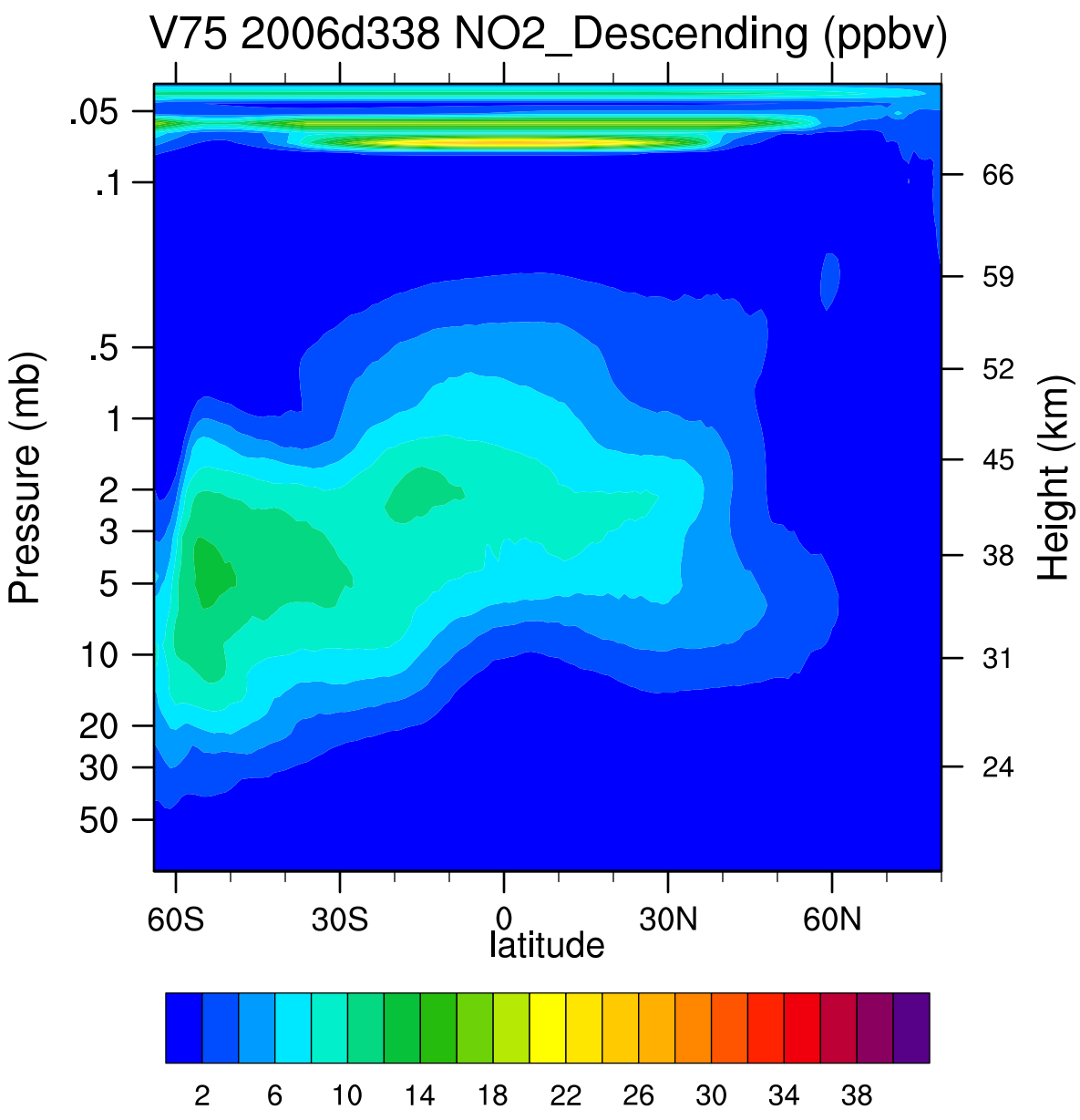
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Pressure (mb)
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59
52
45
38
31
24
Height (km)
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30S
0
30N
60N
latitude
2
6
10
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18
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26
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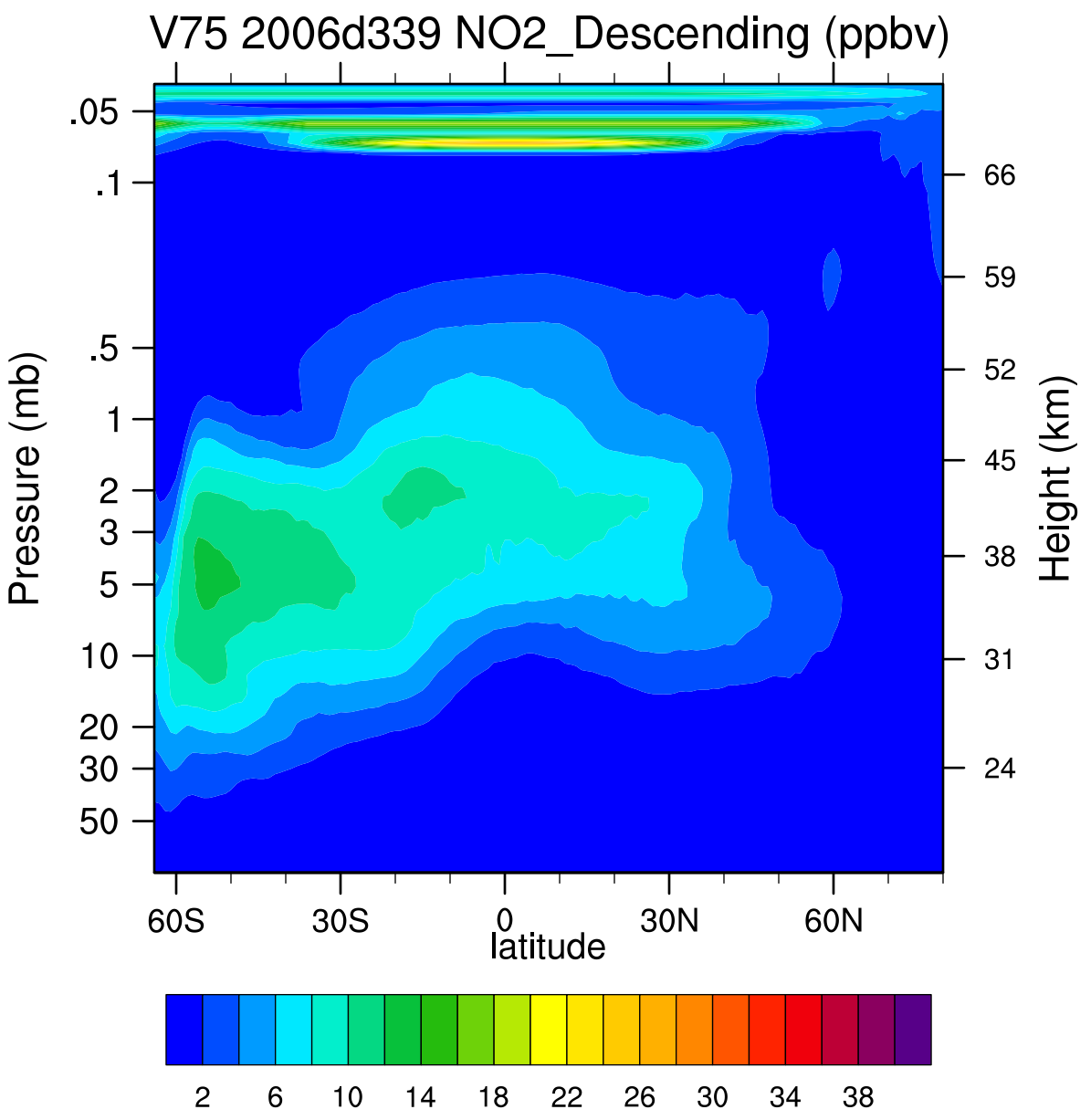
V75 2006d339 NO2_Descending (ppbv)
Pressure (mb)
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2
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20
30
50
Height (km)
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59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
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10
14
18
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26
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34
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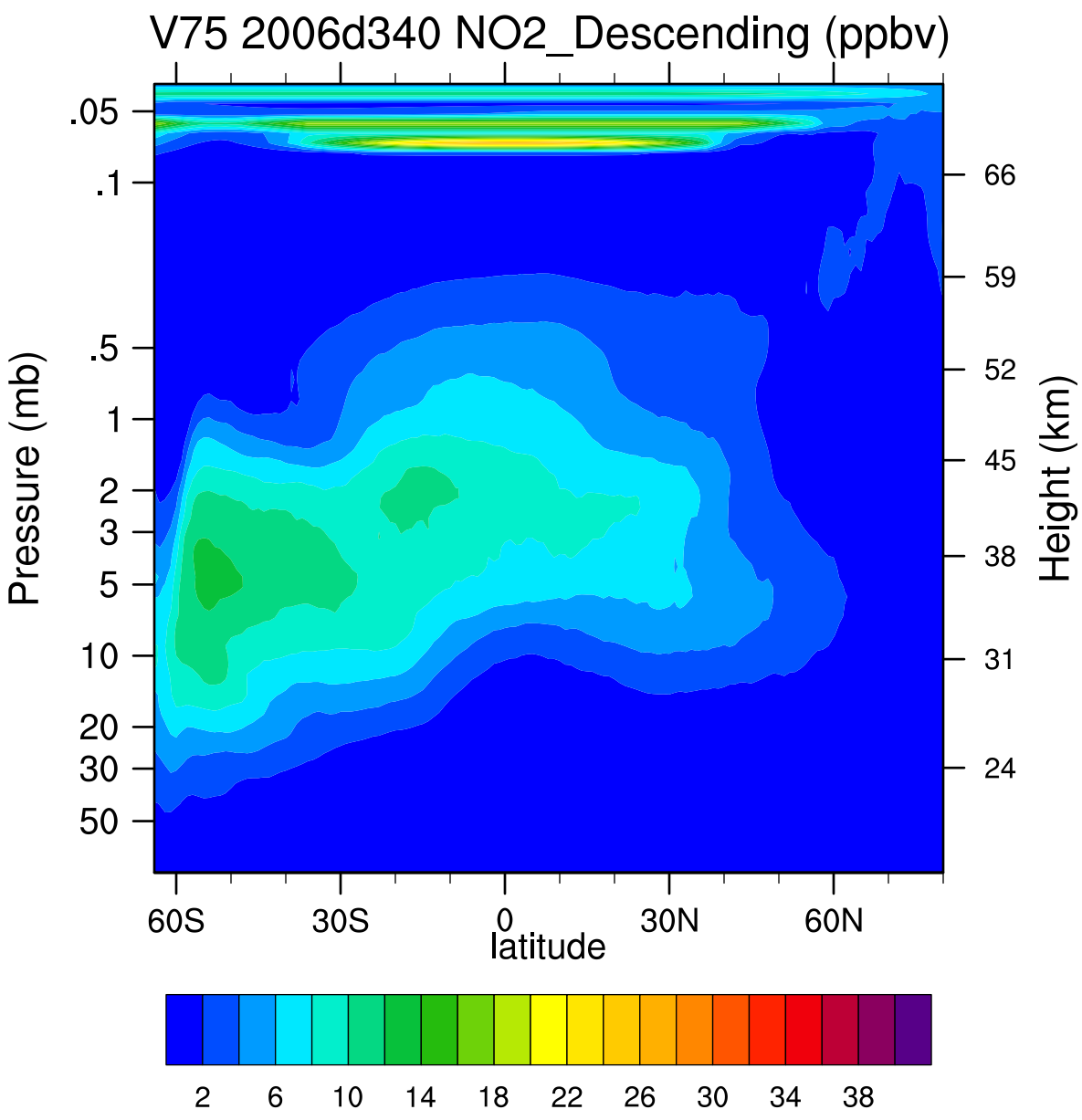
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Pressure (mb)
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59
52
45
38
31
24
Height (km)
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30S
0
30N
60N
latitude
2
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10
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26
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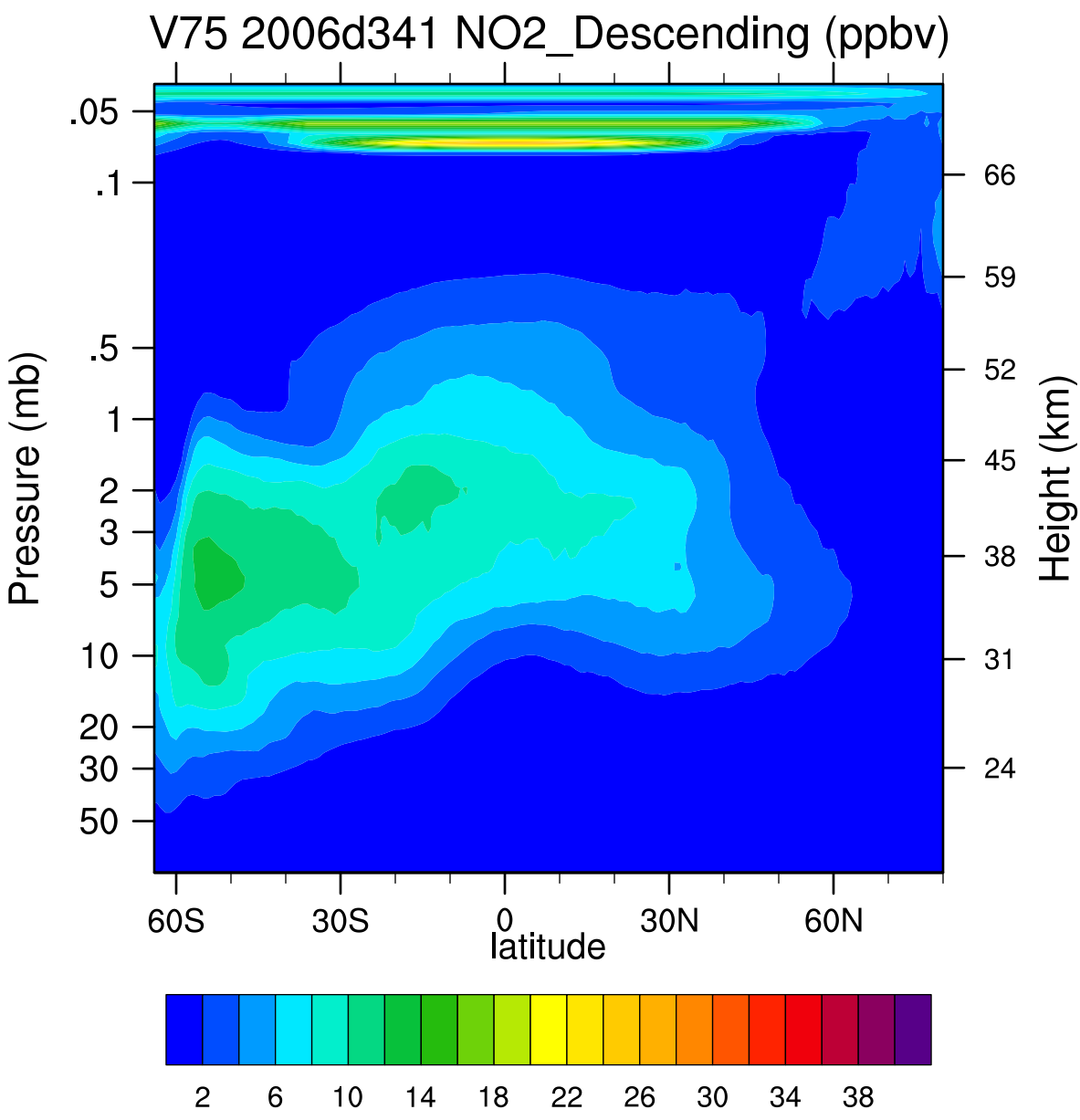
34
38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Pressure (mb)
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52
45
38
31
24
Height (km)
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30S
0
30N
60N
latitude
2
6
10
14
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26
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34
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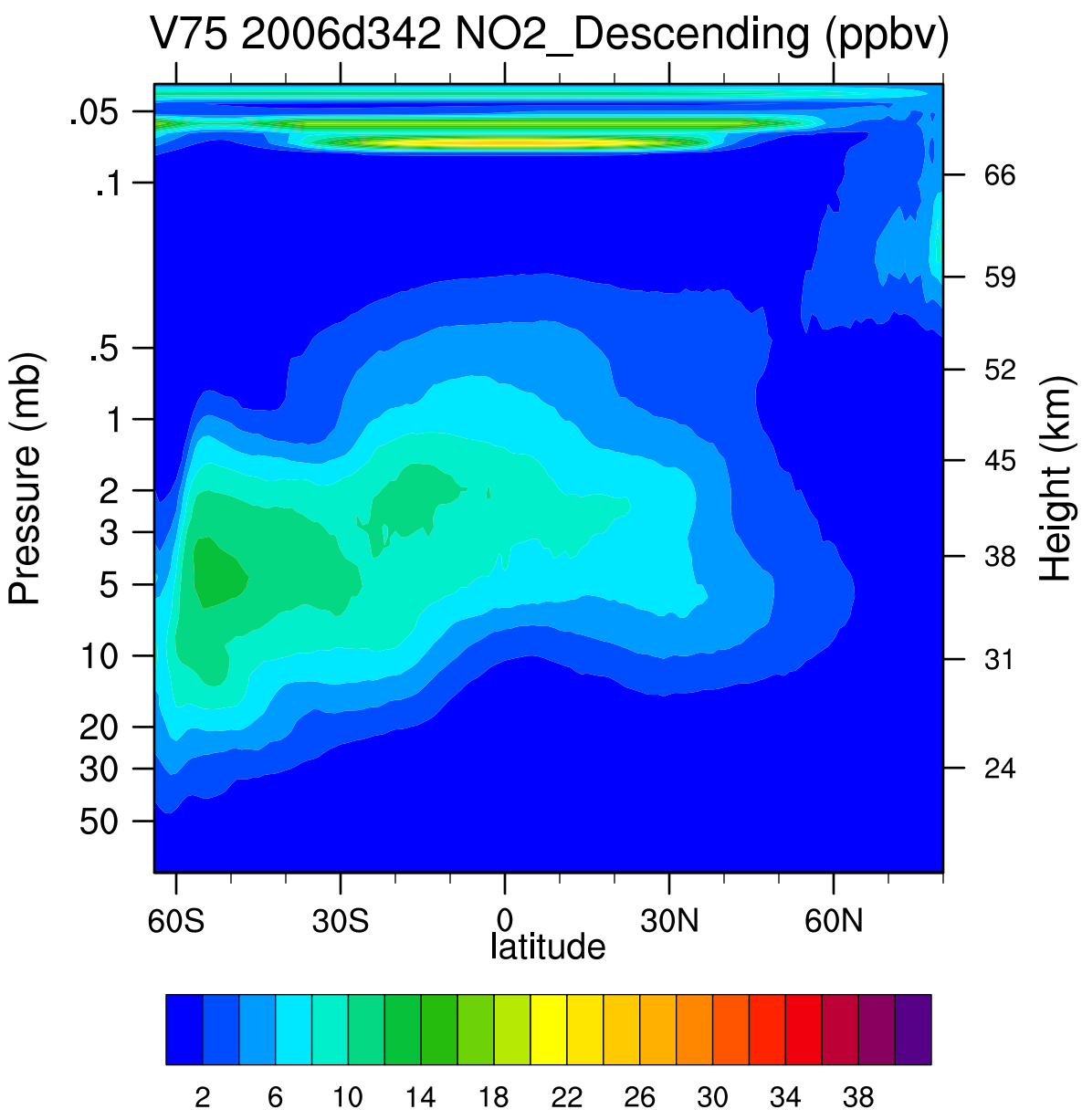
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Pressure (mb)
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52
45
38
31
24
Height (km)
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30S
0
30N
60N
latitude
2
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26
30
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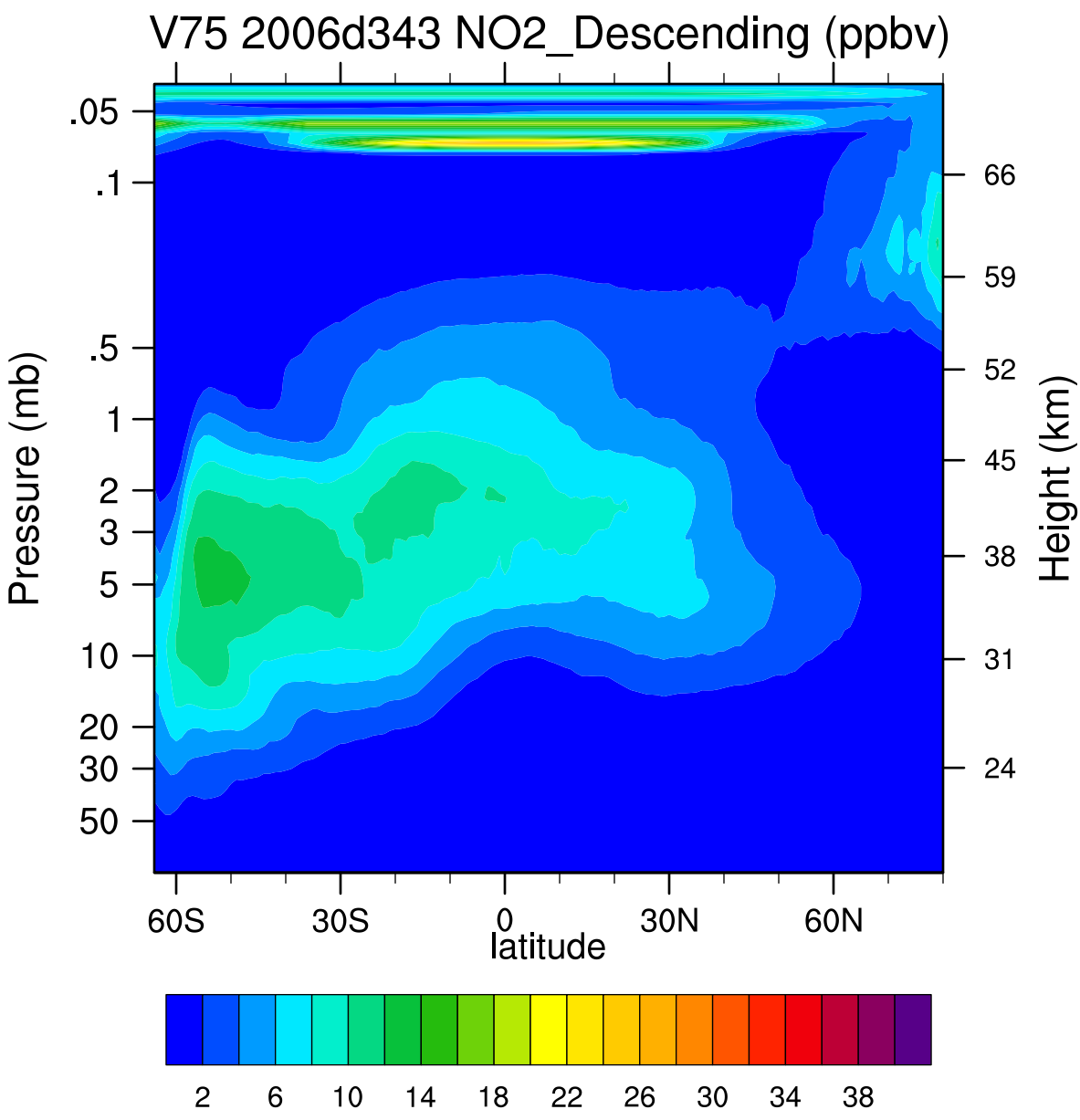
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Height (km)
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52
45
38
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24
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0
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60N
latitude
2
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26
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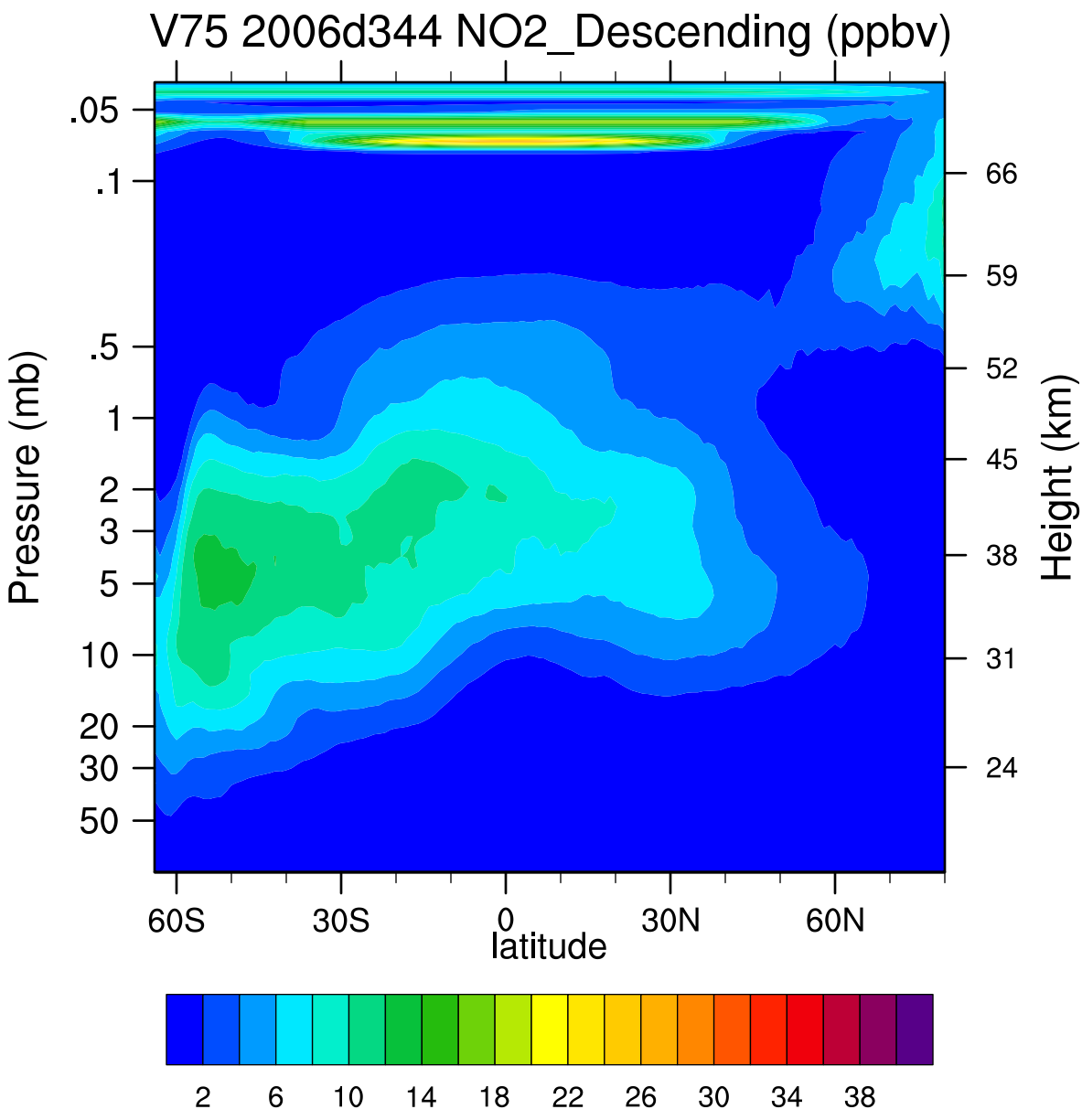
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Height (km)
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59
52
45
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24
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30S
0
30N
60N
latitude
2
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26
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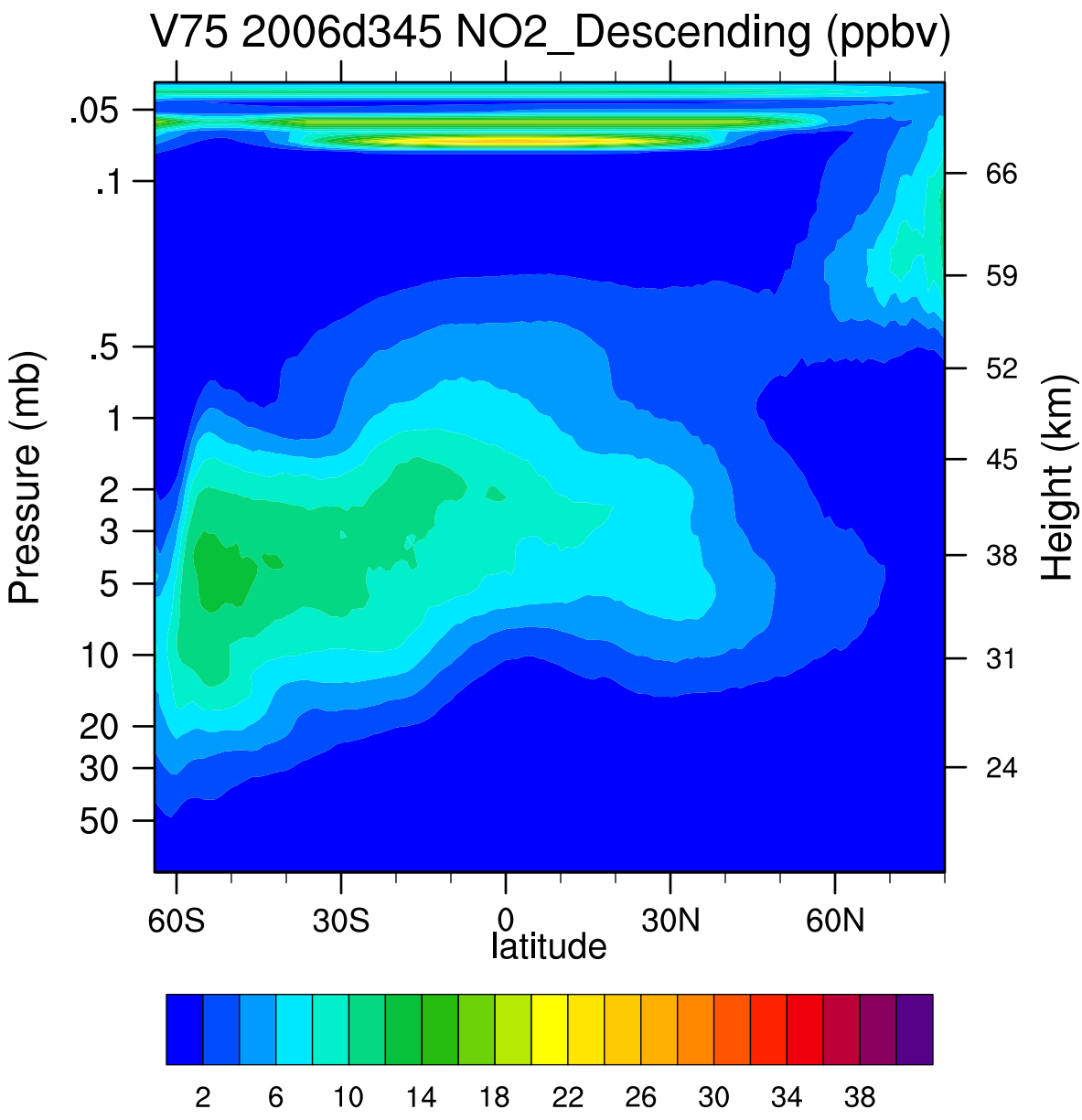
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Pressure (mb)
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Height (km)
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59
52
45
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30S
0
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60N
latitude
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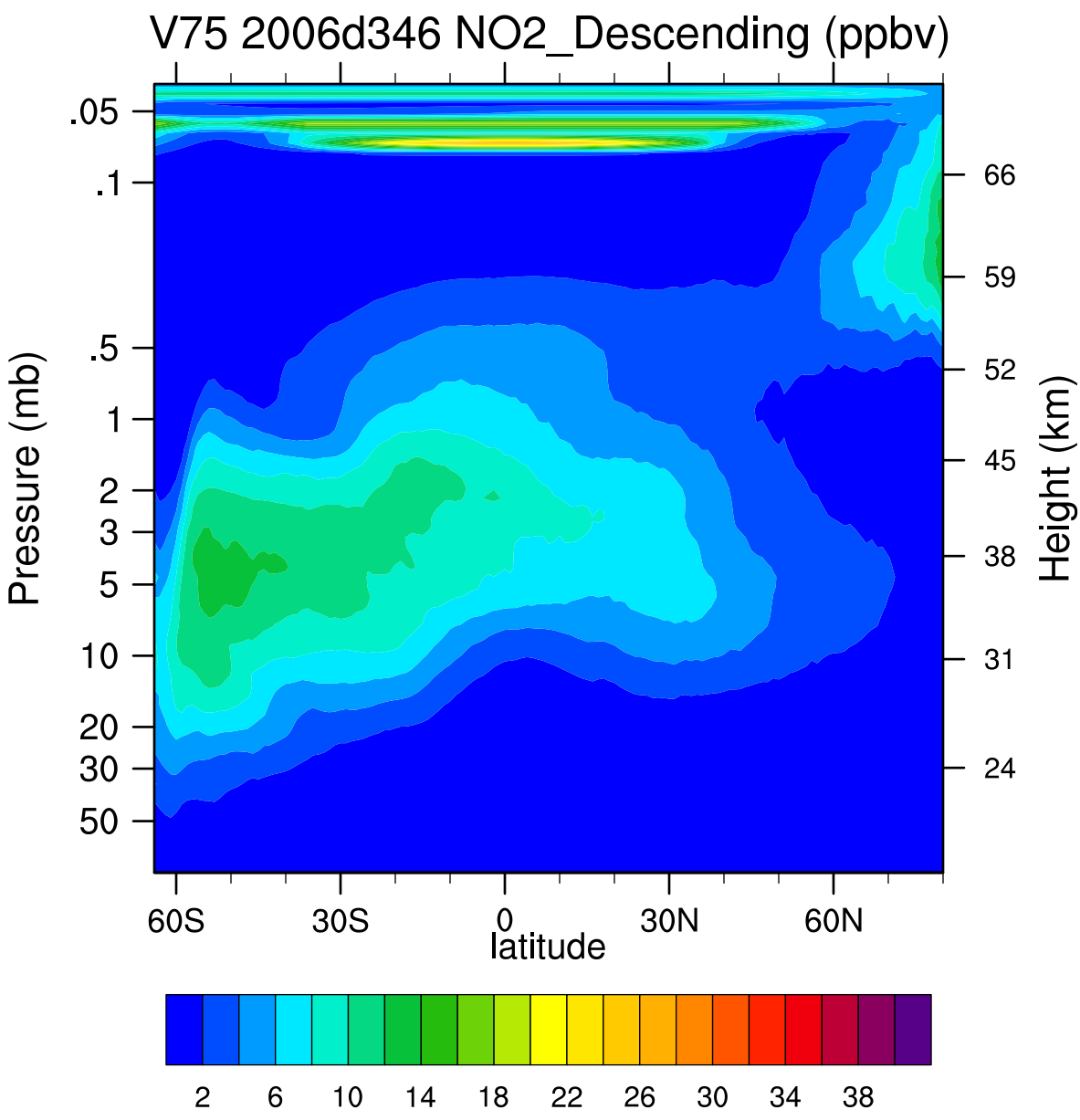
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Height (km)
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59
52
45
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30S
0
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60N
latitude
2
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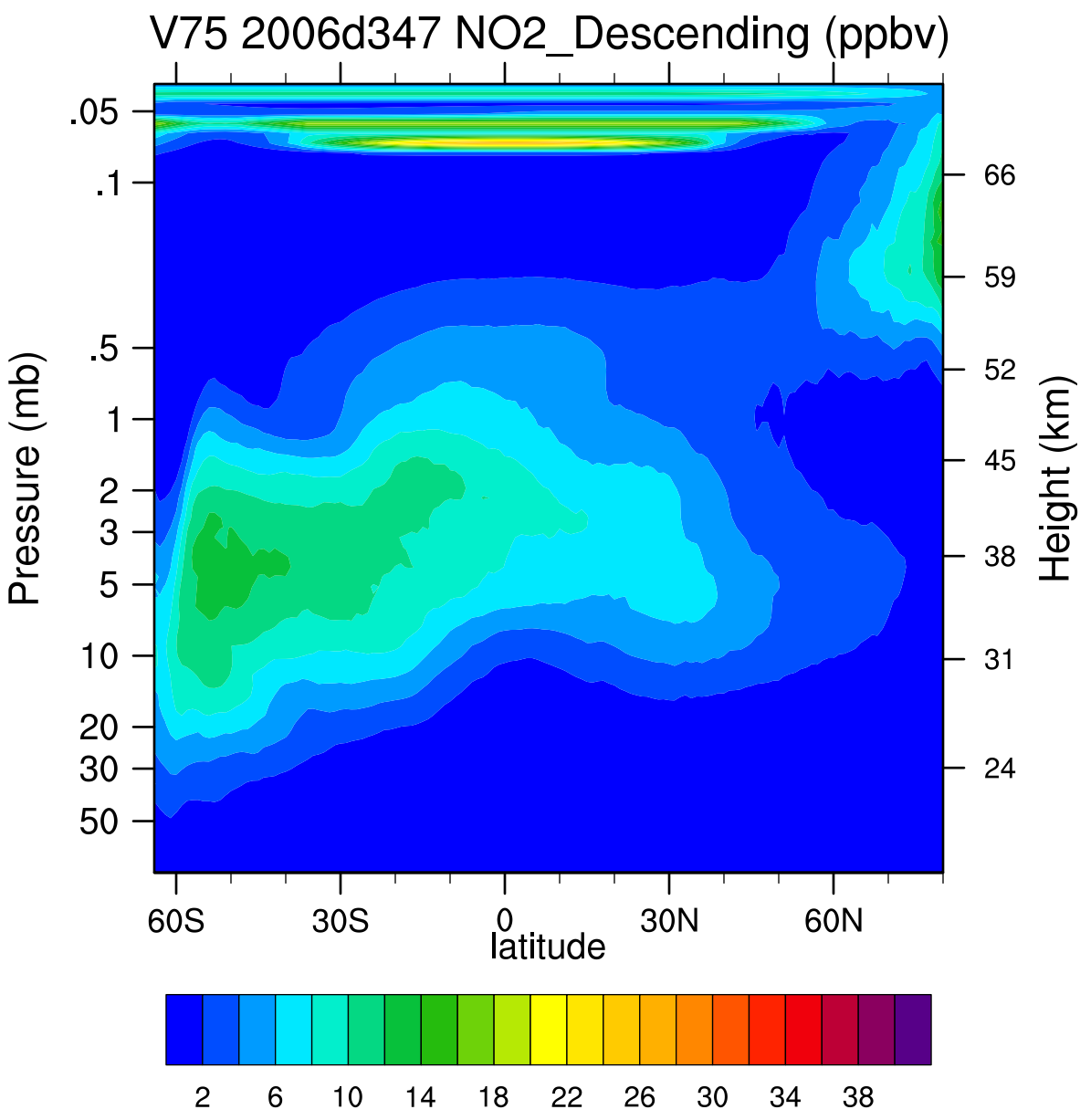
V75 2006d347 NO2_Descending (ppbv)
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Height (km)
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52
45
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30S
0
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60N
latitude
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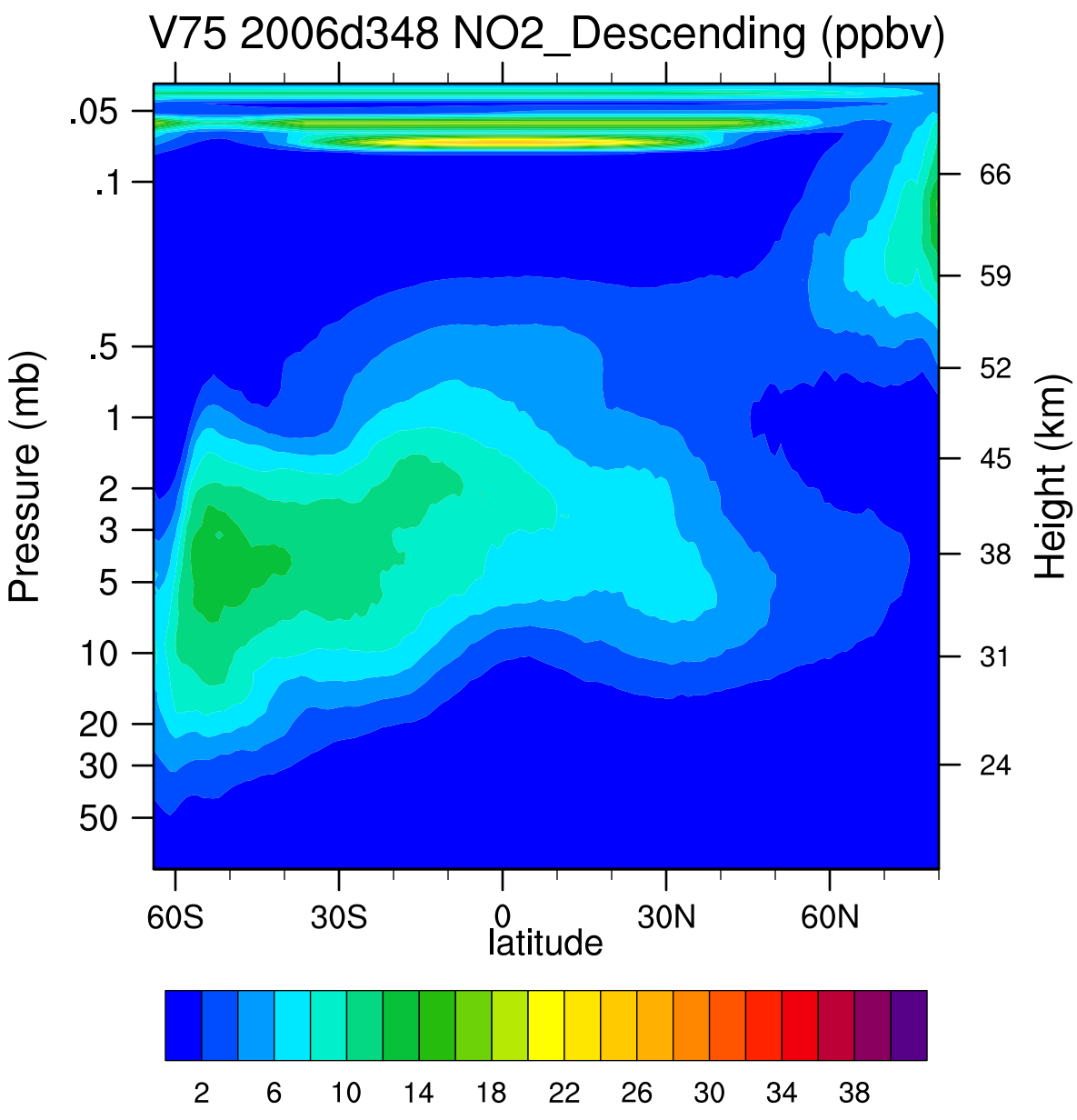
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Pressure (mb)
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45
38
31
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Height (km)
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30S
0
30N
60N
latitude
2
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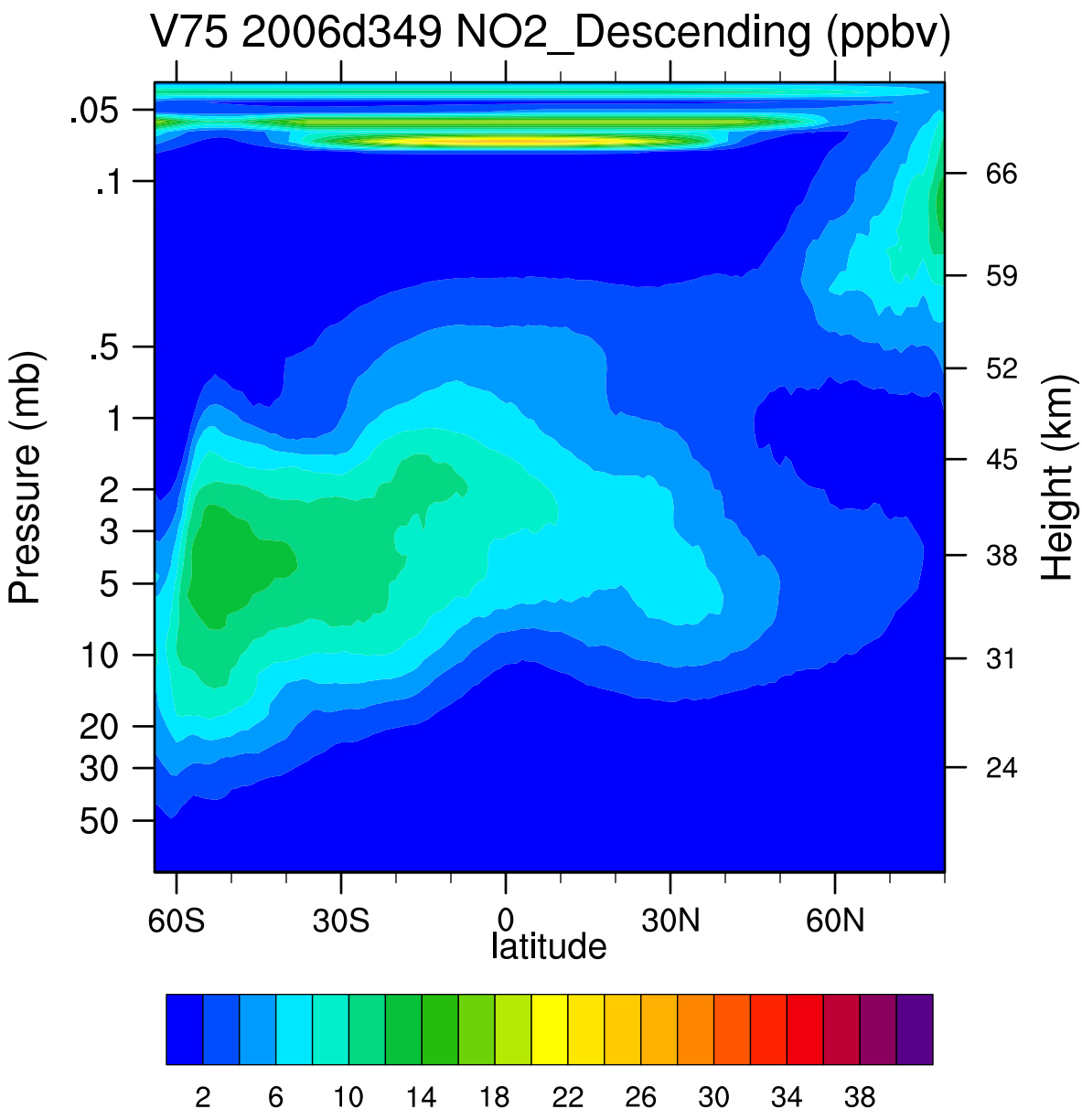
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Pressure (mb)
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59
52
45
38
31
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Height (km)
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30S
0
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60N
latitude
2
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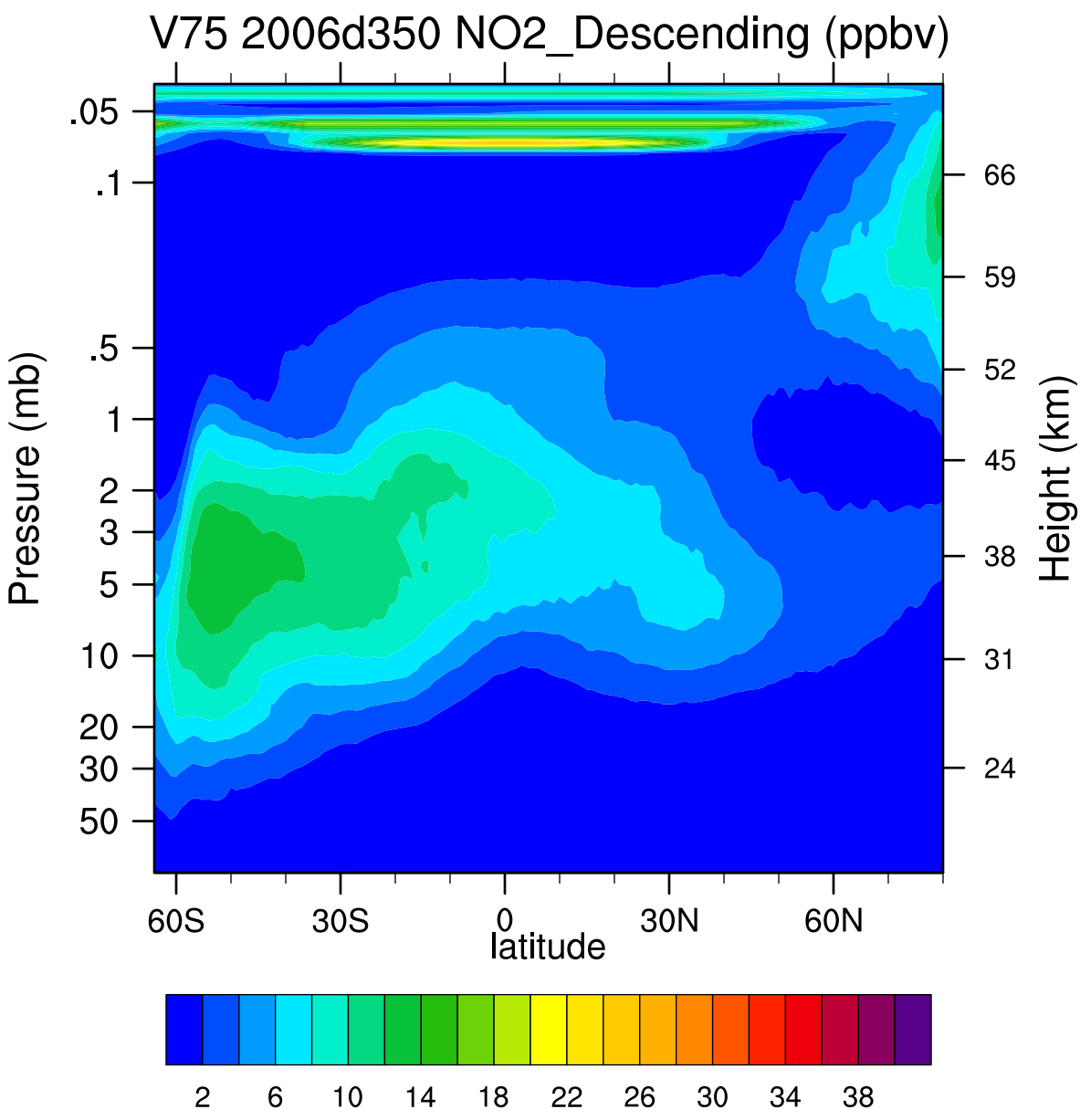
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Height (km)
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59
52
45
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24
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30S
0
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60N
latitude
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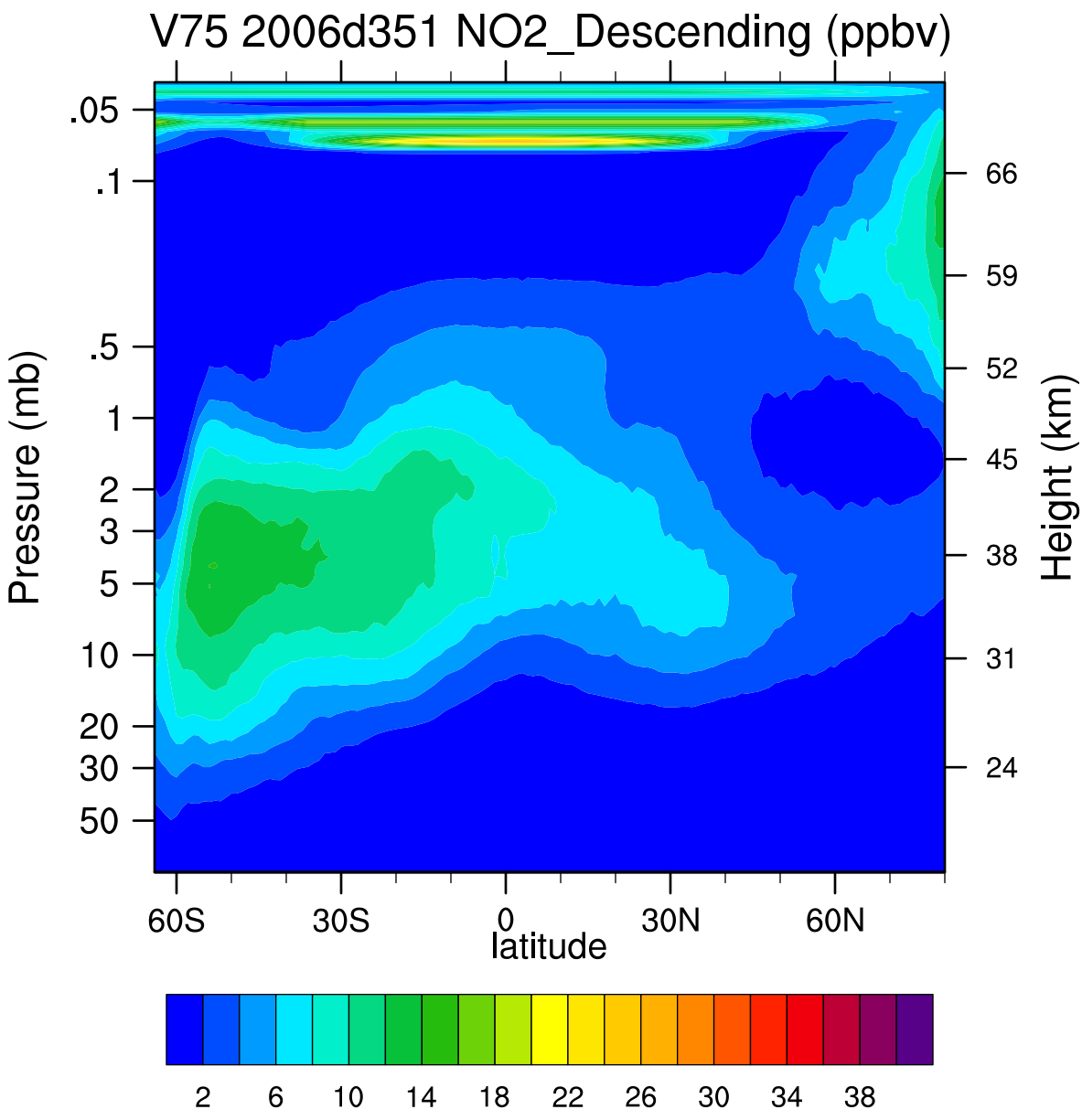
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Height (km)
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52
45
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24
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30S
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60N
latitude
2
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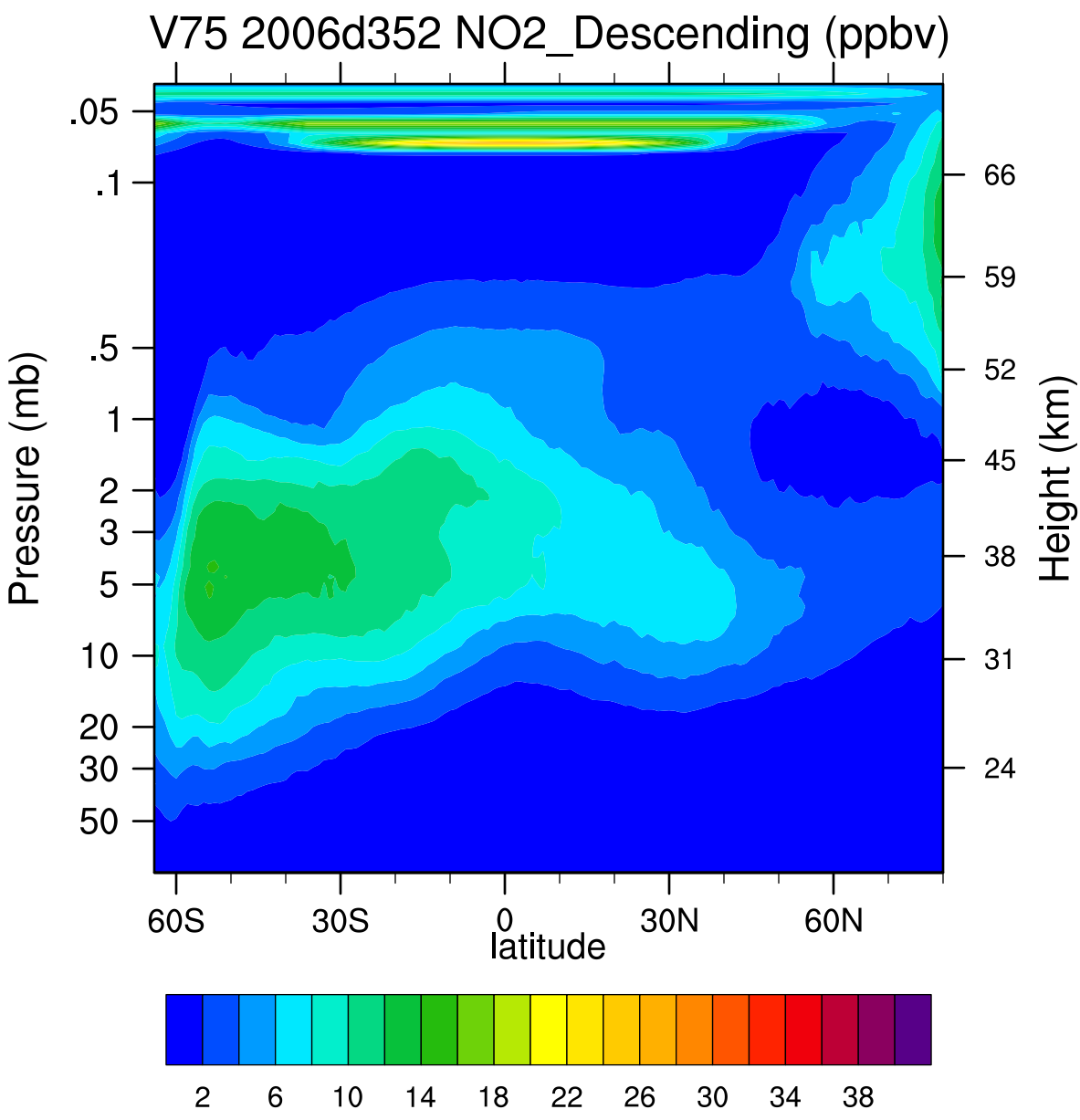
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Pressure (mb)
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.5
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2
3
5
10
20
30
50
Height (km)
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59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
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26
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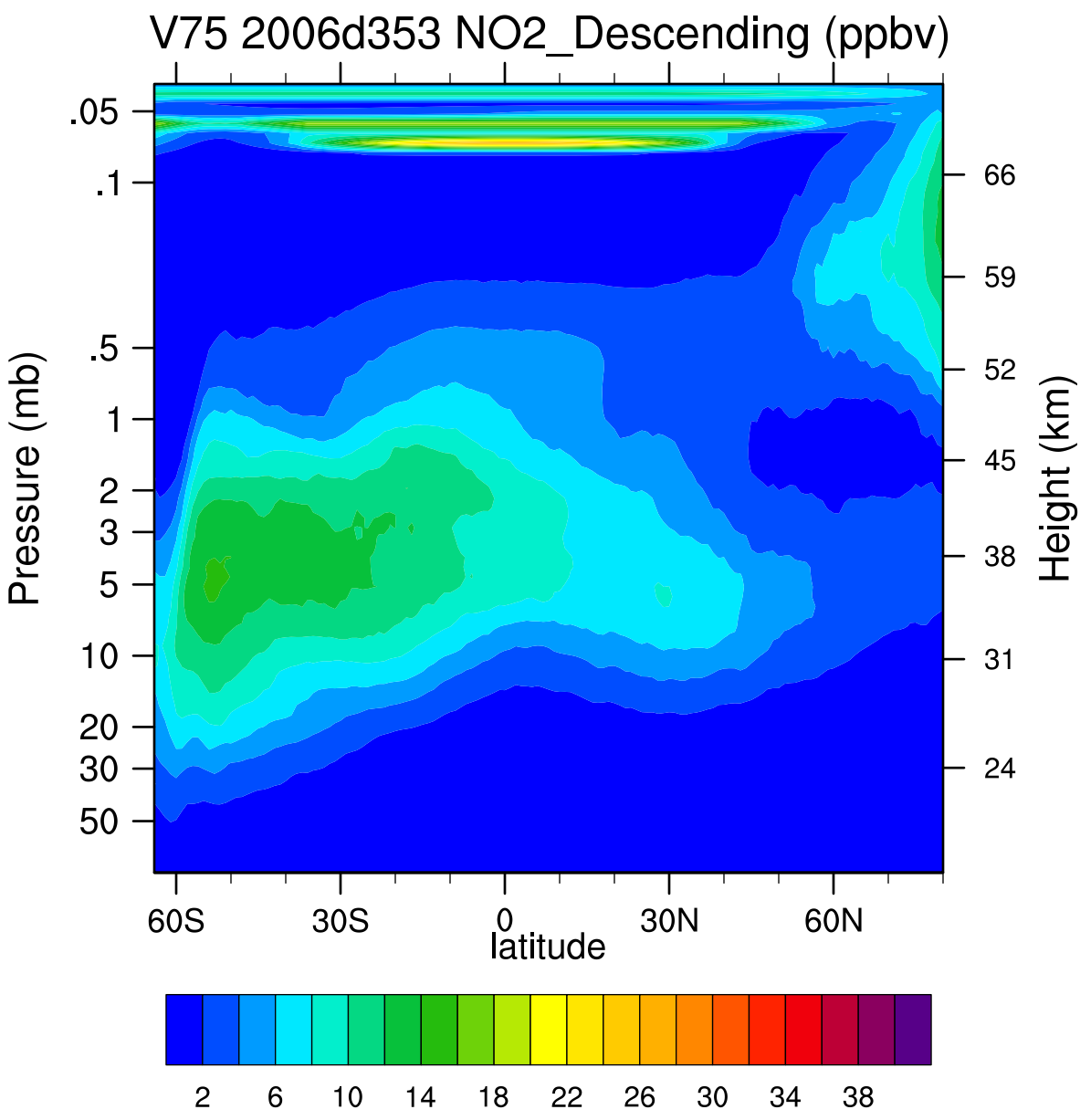
34
38


V75 2006d353 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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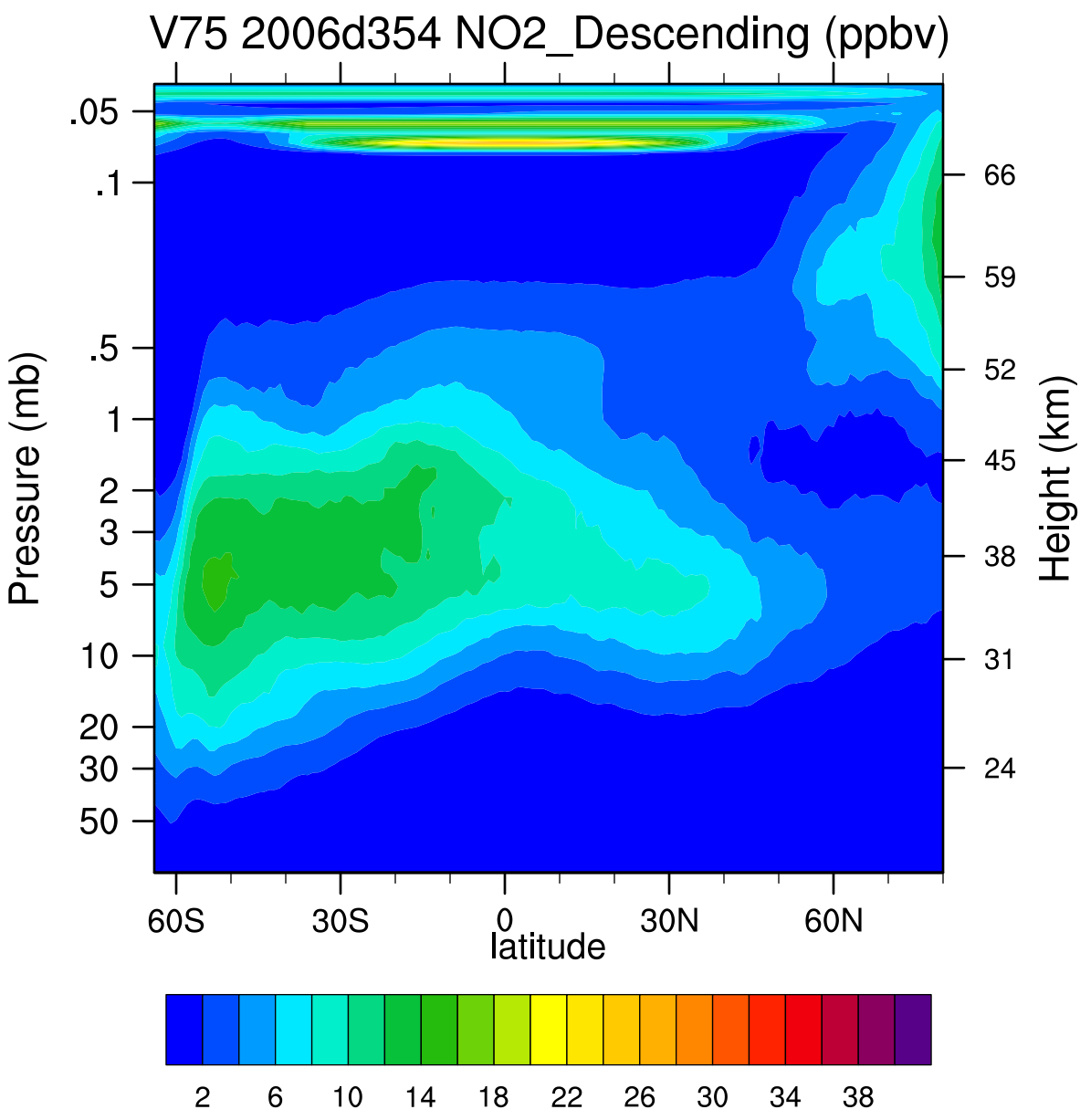
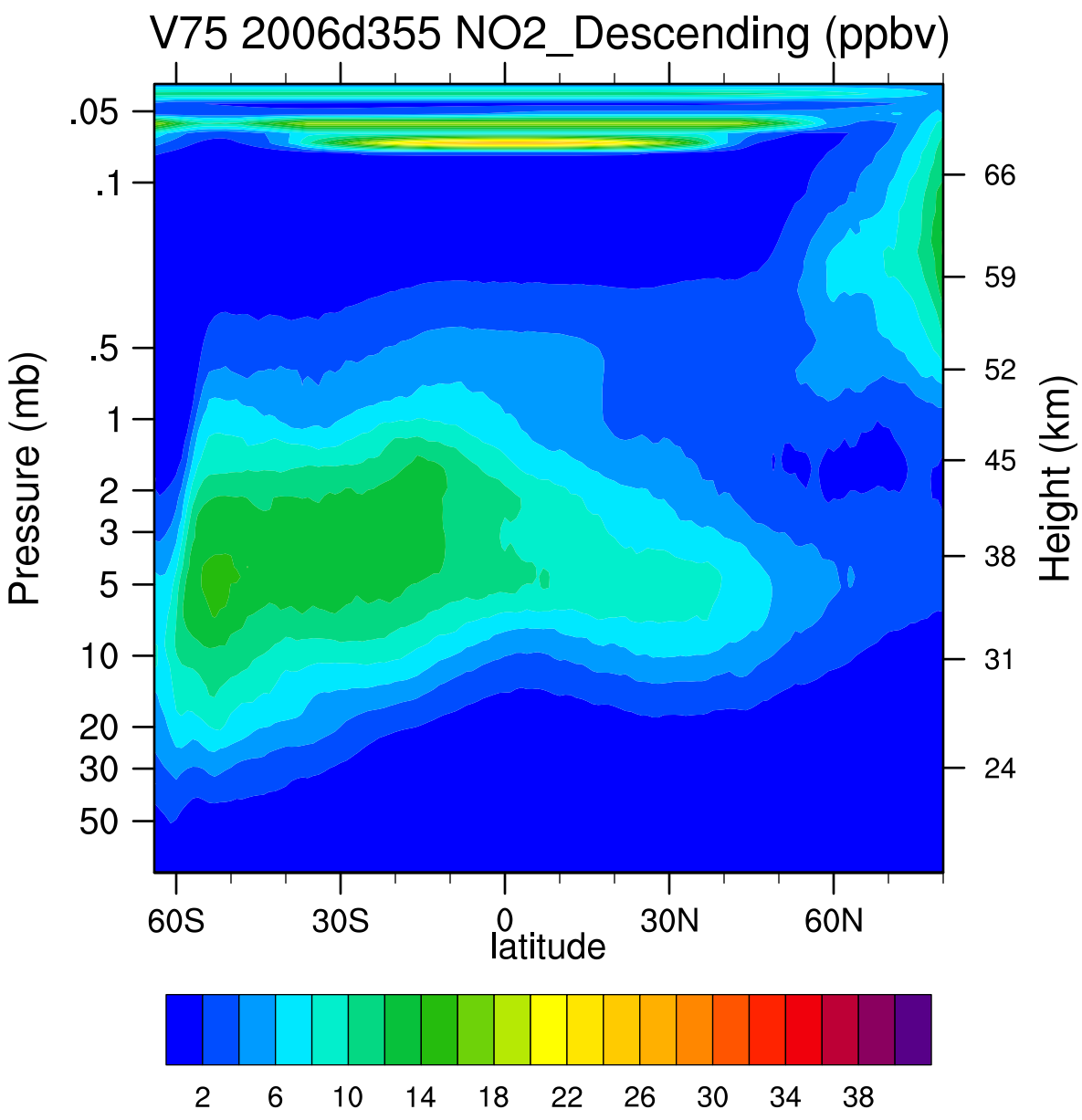

V75 2006d354 NO2_Descending (ppbv)
.05
.1
.5
1
2
3
5
10
20
30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2006d355 NO2_Descending (ppbv)
Pressure (mb)
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.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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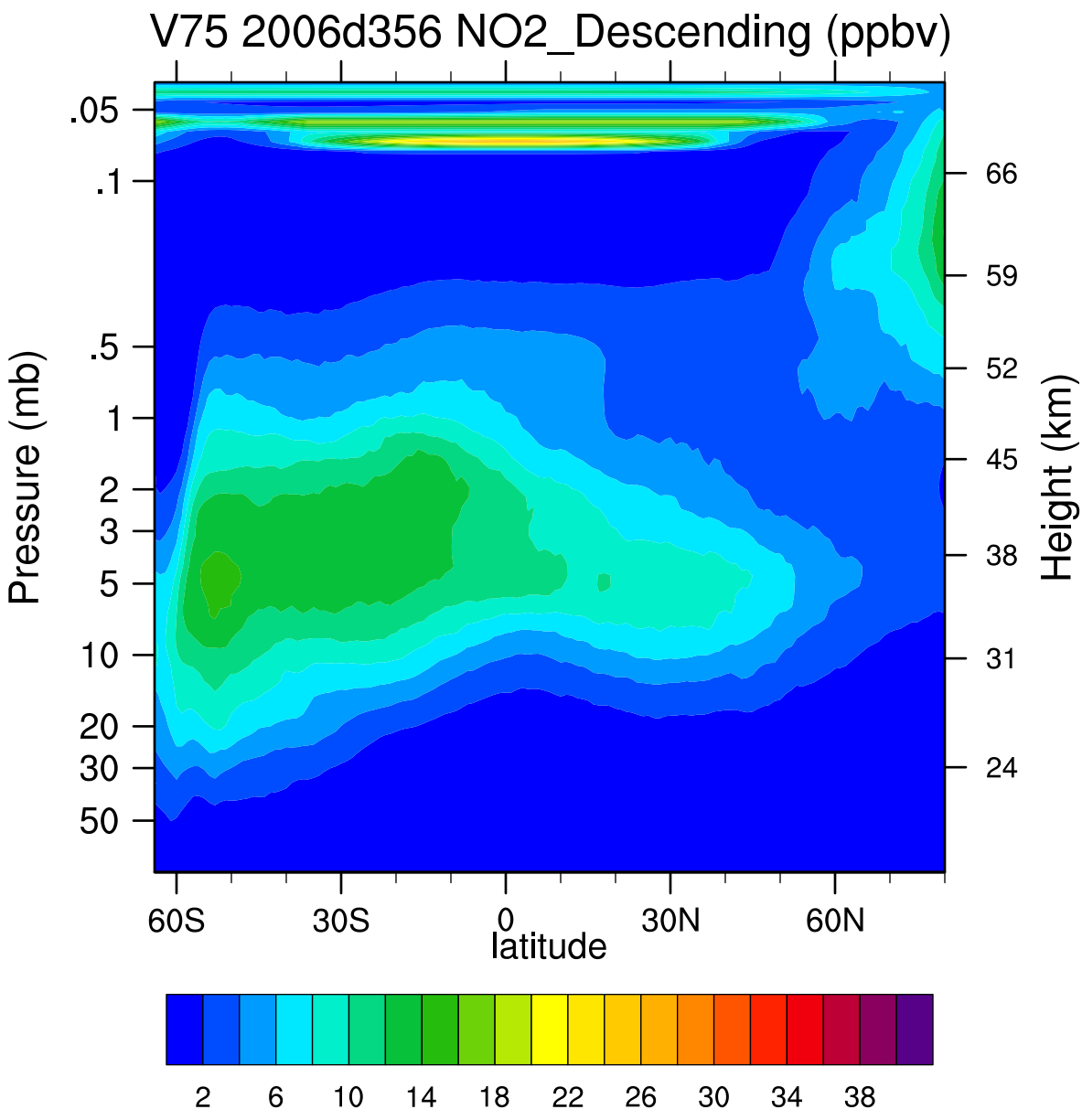
V75 2006d356 NO2_Descending (ppbv)
Pressure (mb)
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.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
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34
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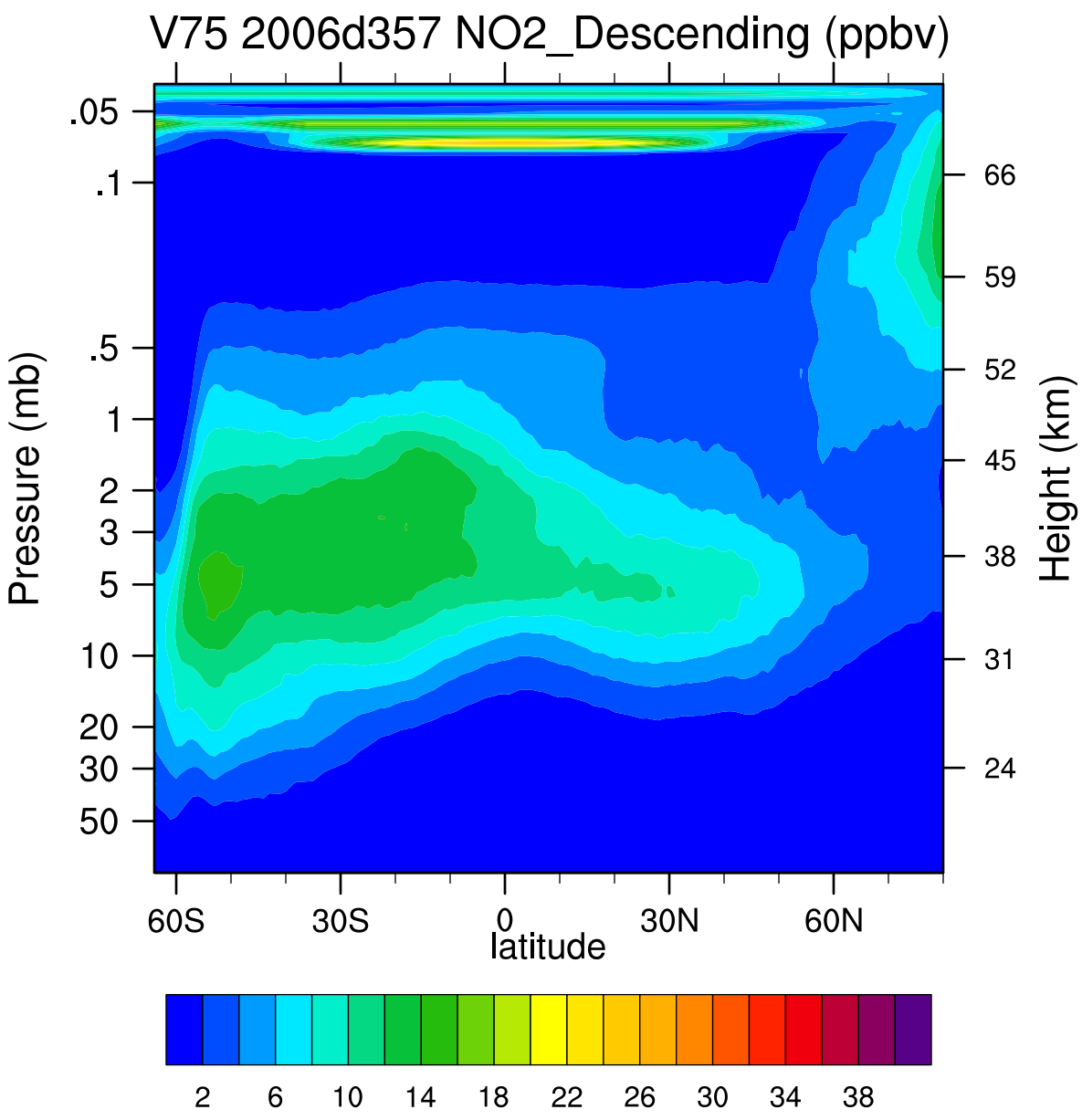
V75 2006d357 NO2_Descending (ppbv)
Pressure (mb)
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.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
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10
14
18
22
26
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34
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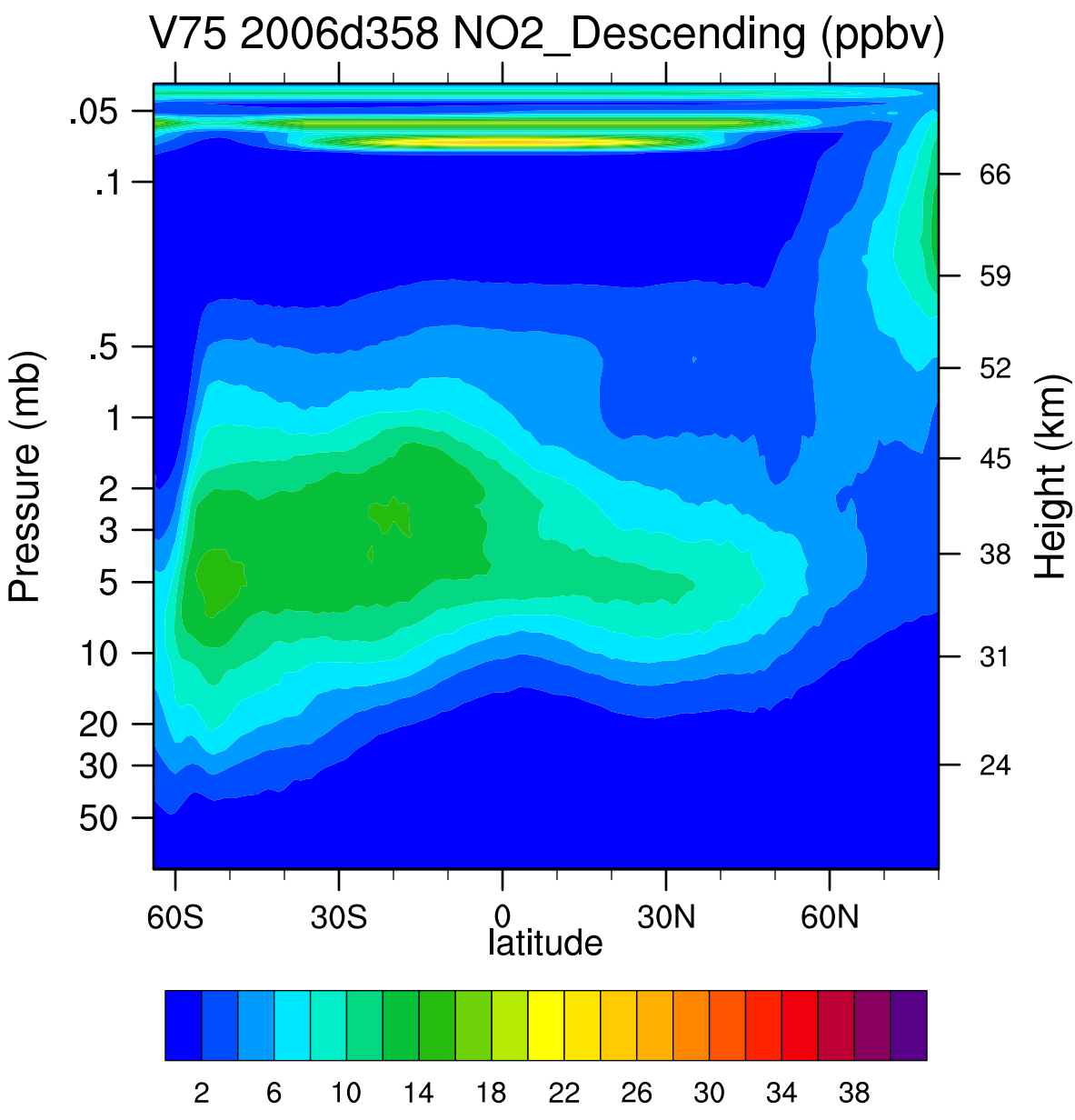
V75 2006d358 NO2_Descending (ppbv)
Pressure (mb)
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.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
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34
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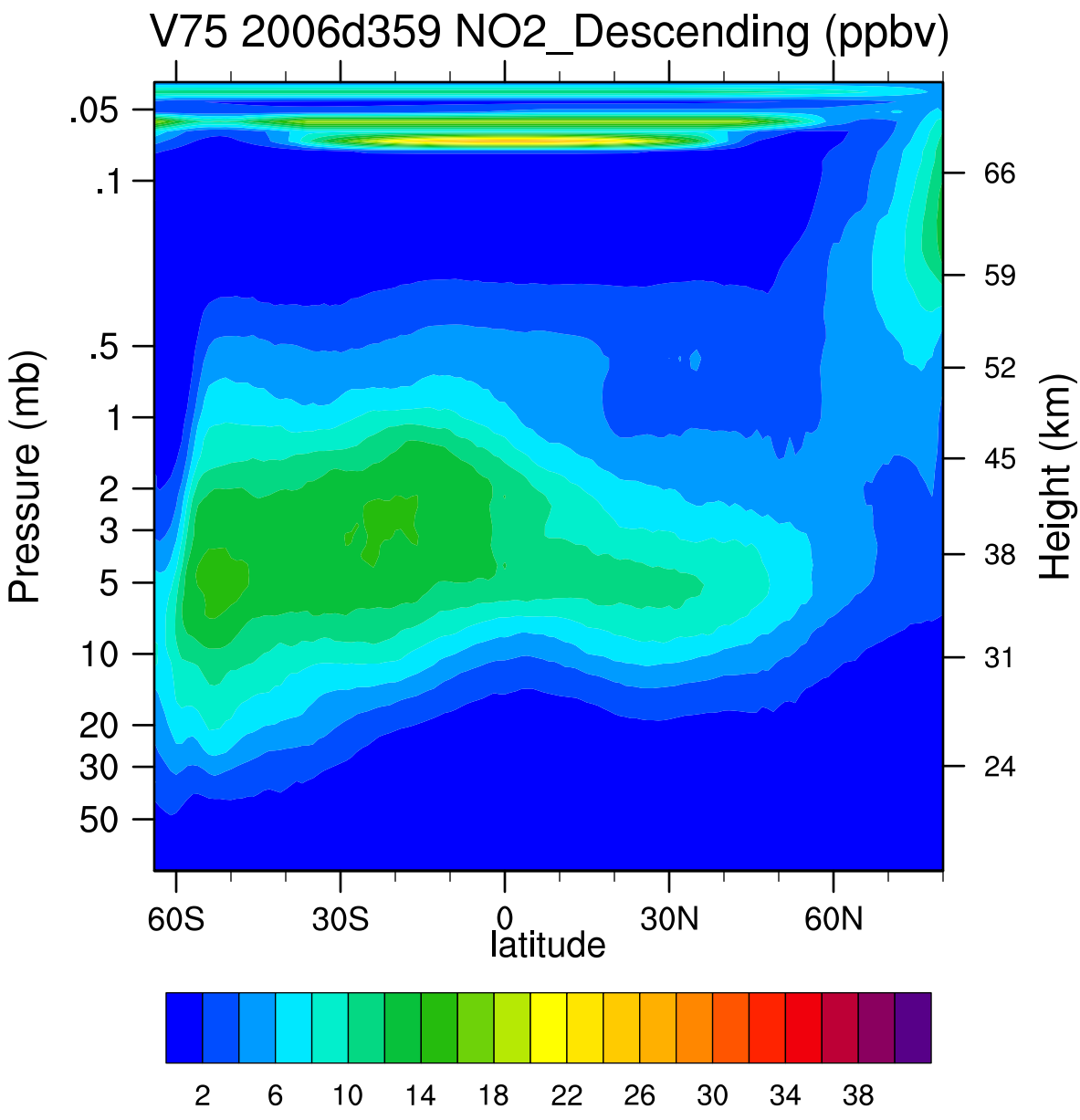
V75 2006d359 NO2_Descending (ppbv)
Pressure (mb)
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2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
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34
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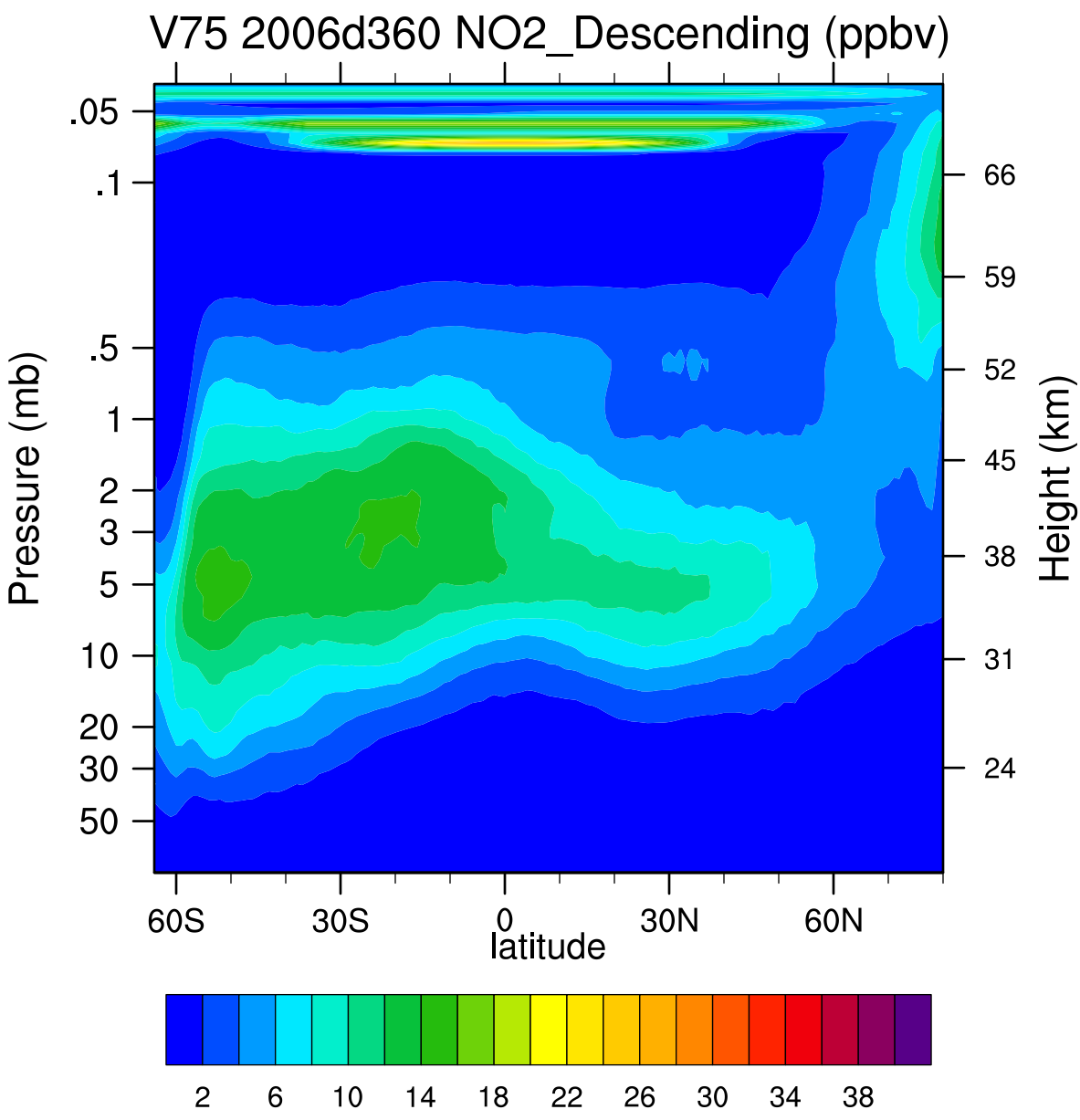
V75 2006d360 NO2_Descending (ppbv)
Pressure (mb)
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.1
.5
1
2
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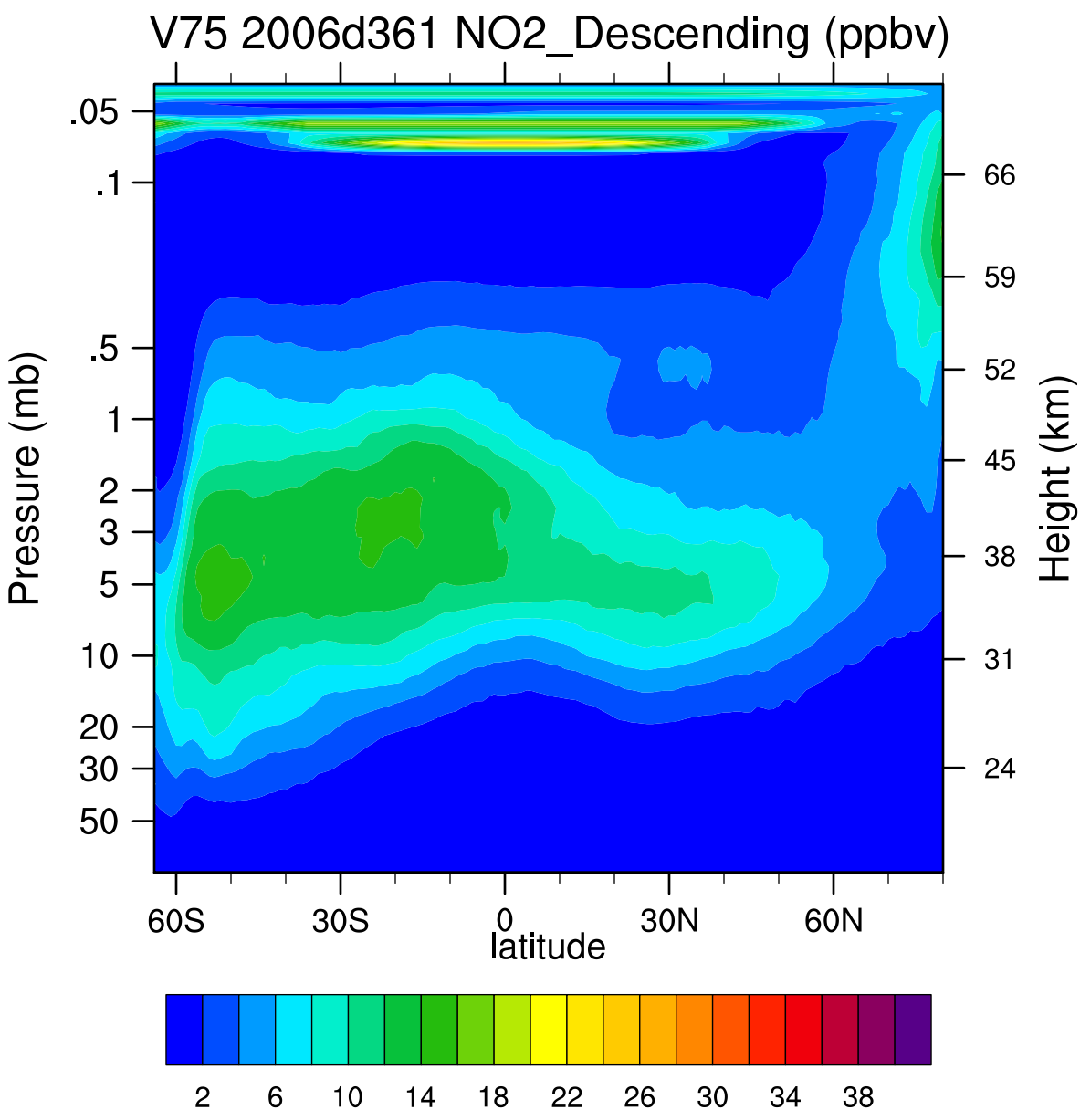
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2006d361 NO2_Descending (ppbv)
Pressure (mb)
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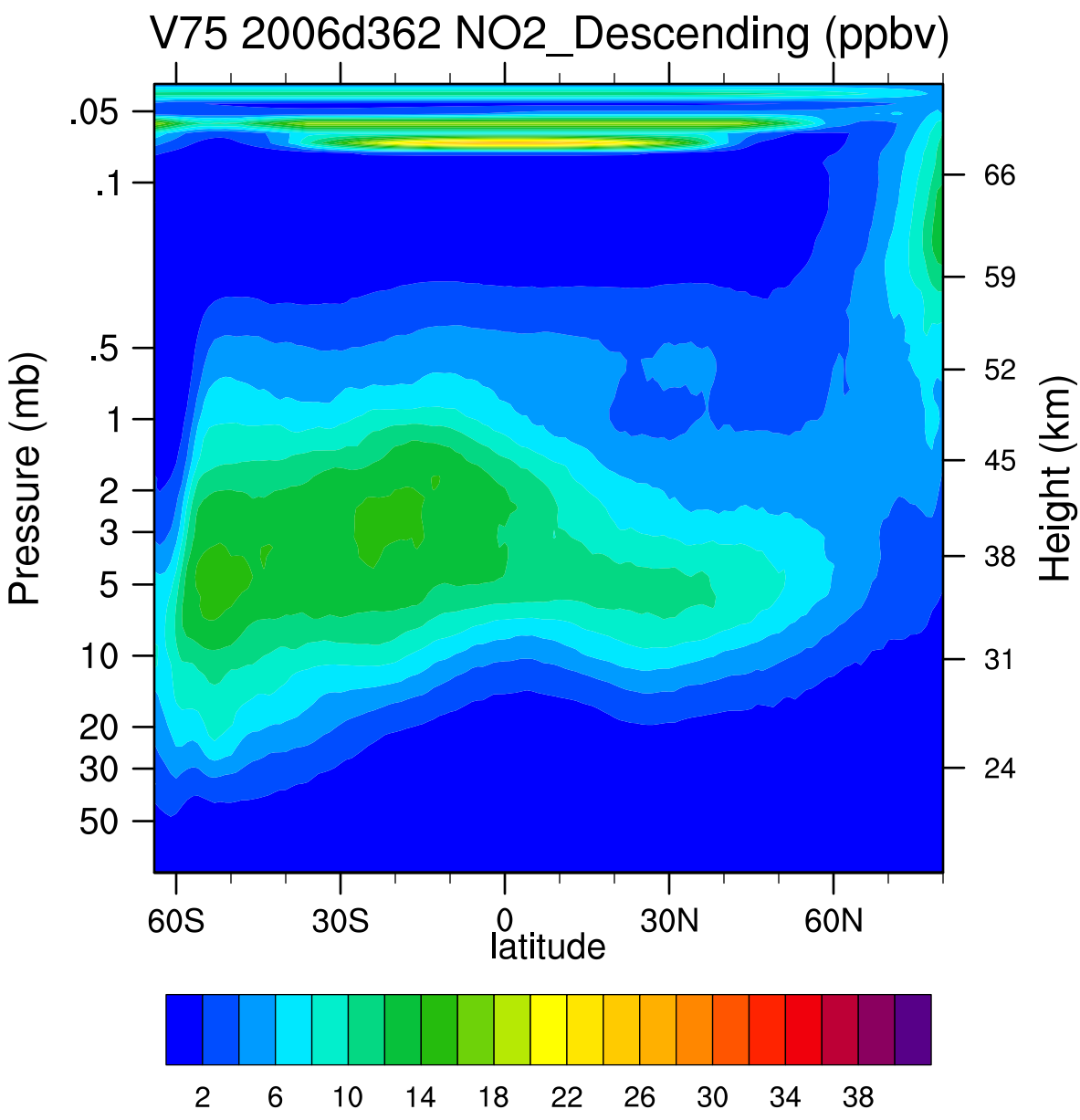
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2006d362 NO2_Descending (ppbv)
Pressure (mb)
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.5
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2
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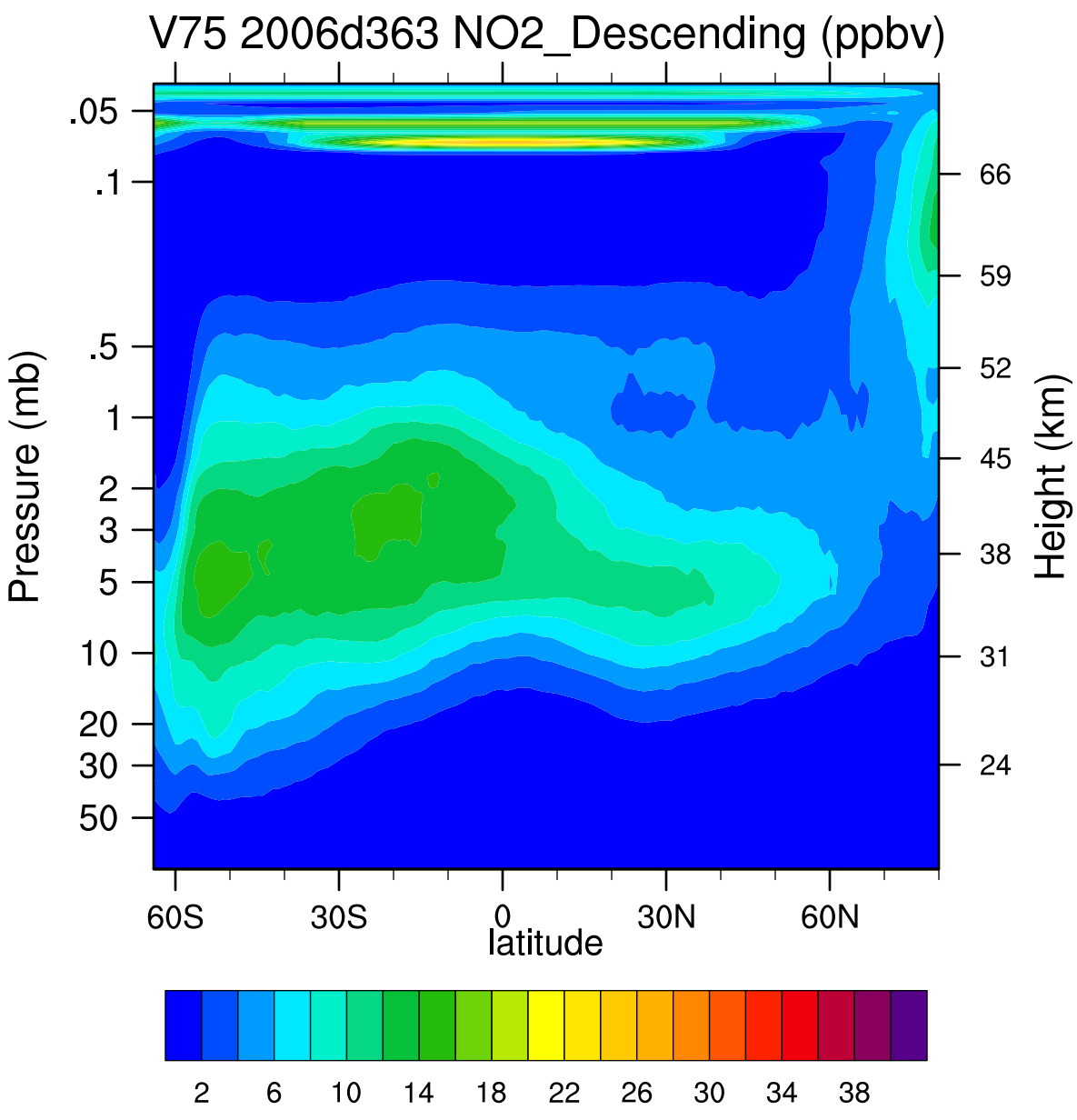
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2006d363 NO2_Descending (ppbv)
Pressure (mb)
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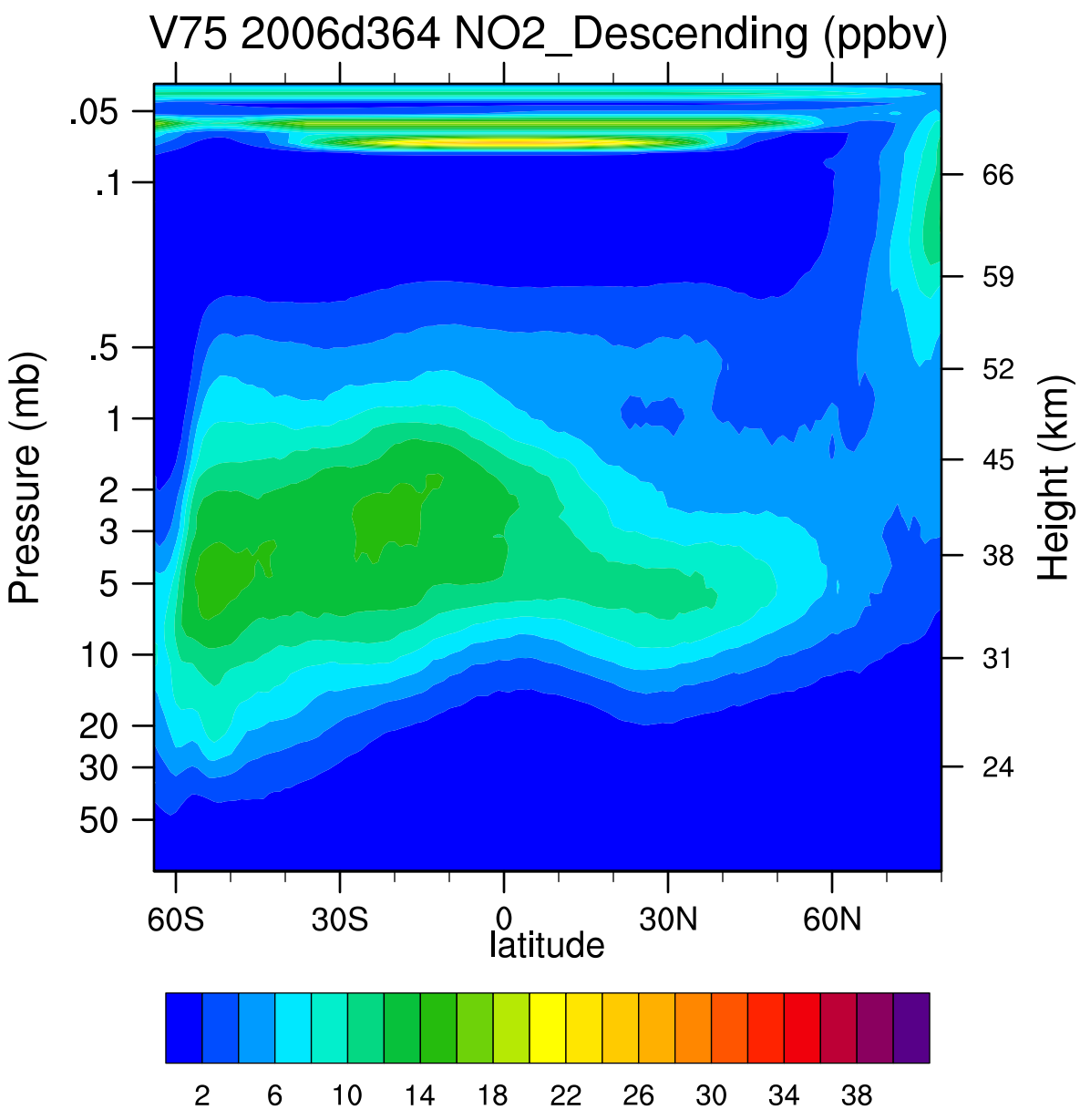
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2006d364 NO2_Descending (ppbv)
Pressure (mb)
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.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
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10
14
18
22
26
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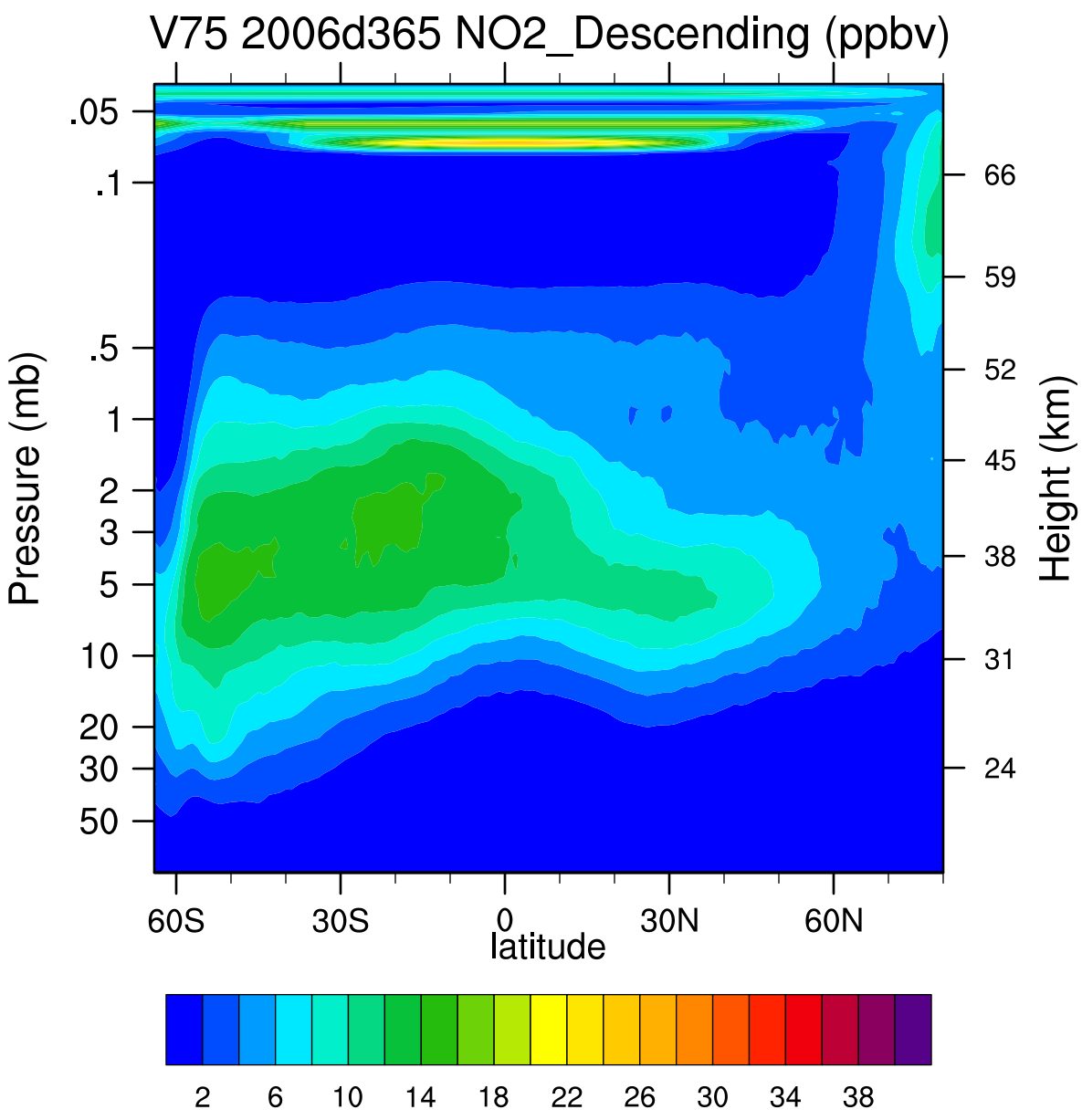
34
38


V75 2006d365 NO2_Descending (ppbv)
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.5
1
2
3
5
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20
30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
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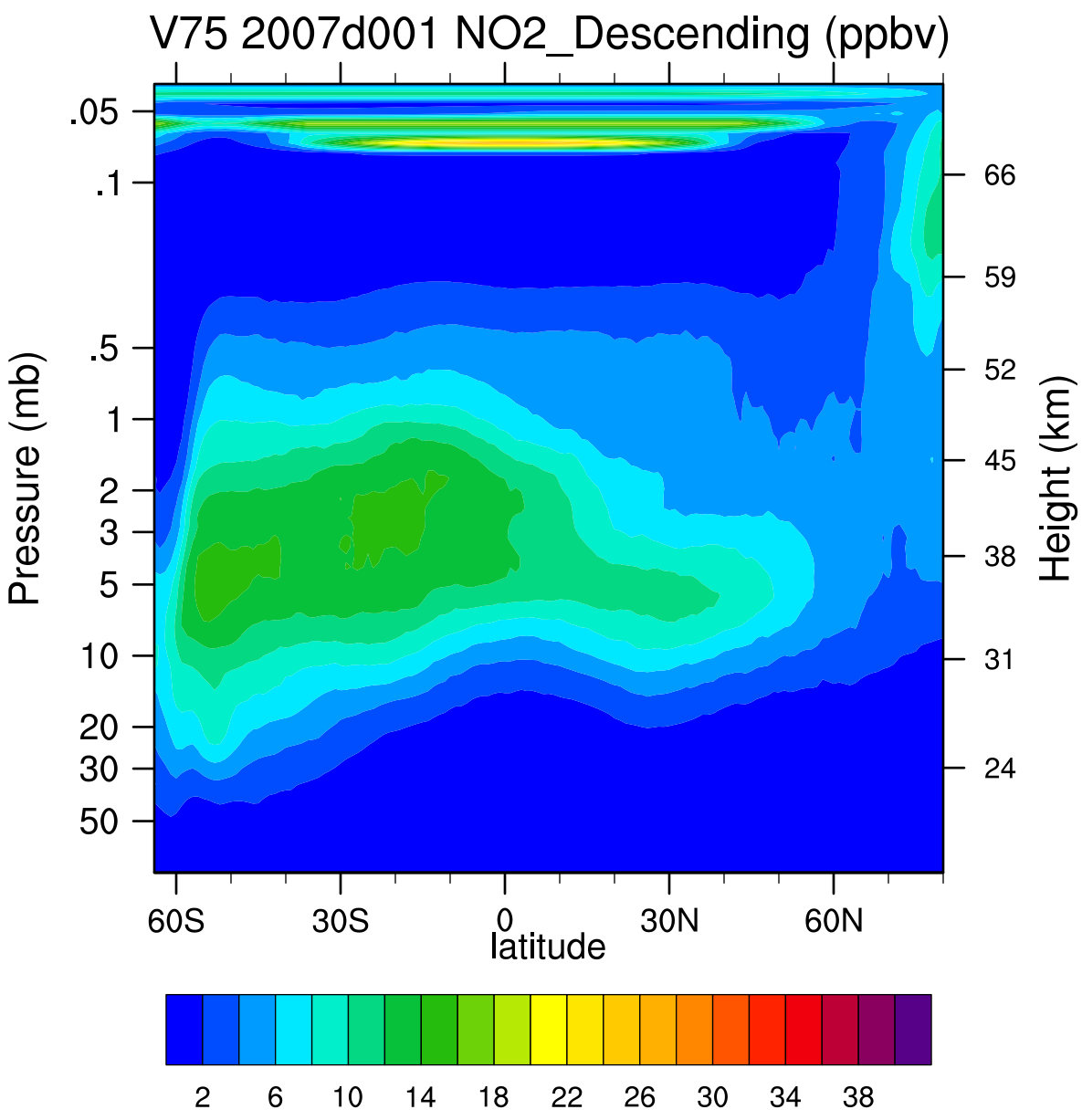
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2007d001 NO2_Descending (ppbv)
Pressure (mb)
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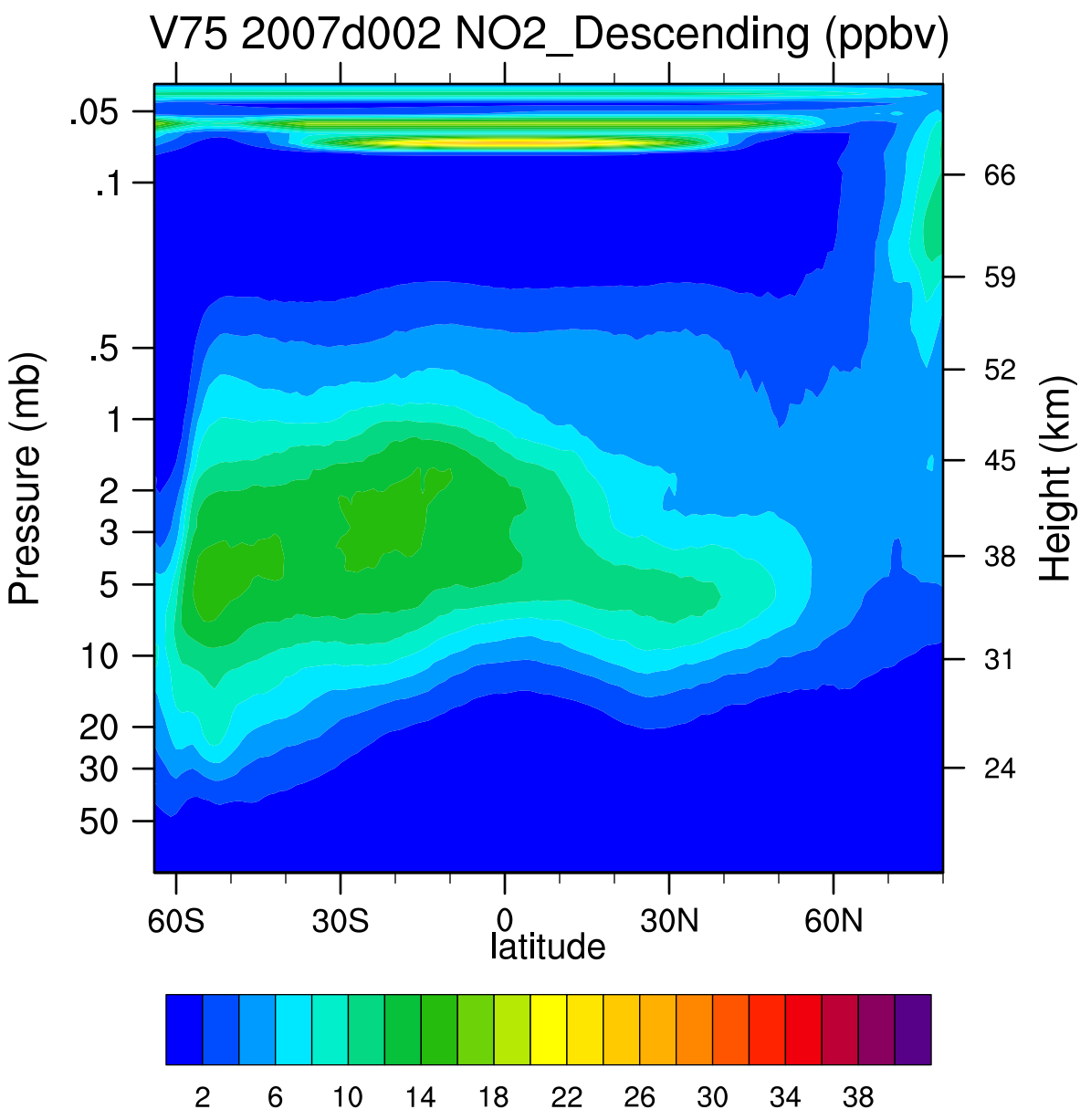
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2007d002 NO2_Descending (ppbv)
Pressure (mb)
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.5
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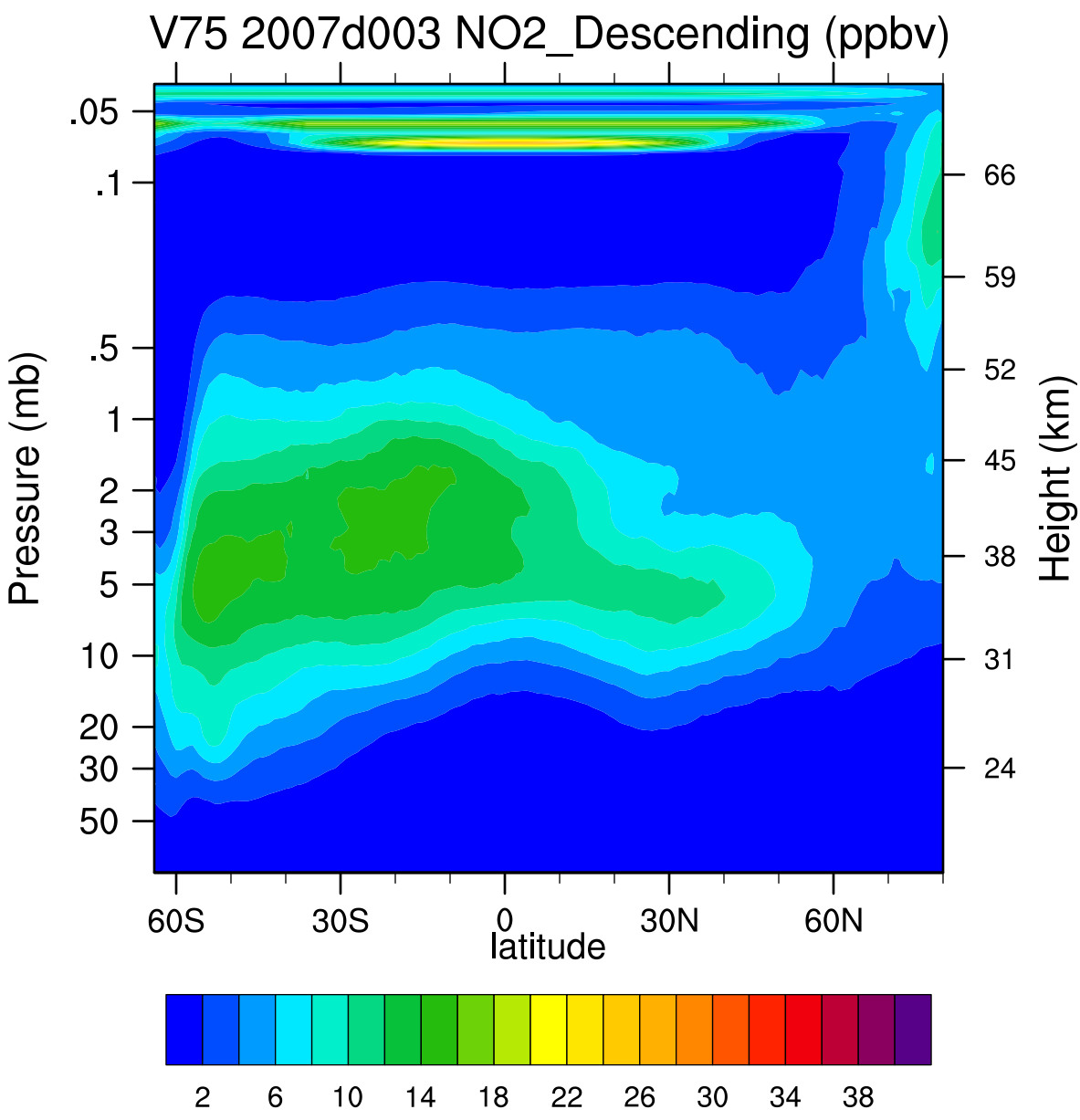
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2007d003 NO2_Descending (ppbv)
Pressure (mb)
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.5
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2
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5
10
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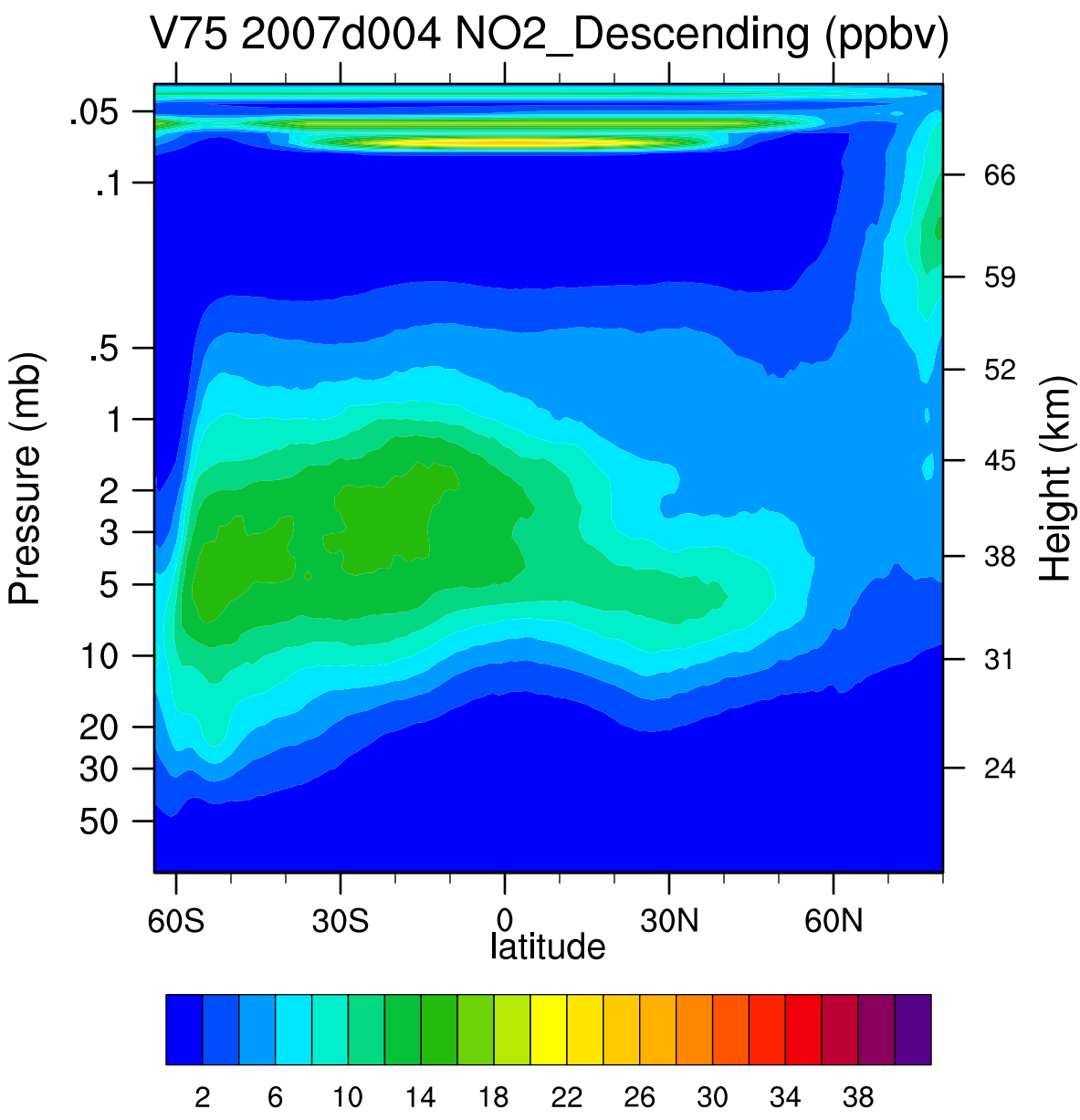
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2007d004 NO2_Descending (ppbv)
Pressure (mb)
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.5
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2
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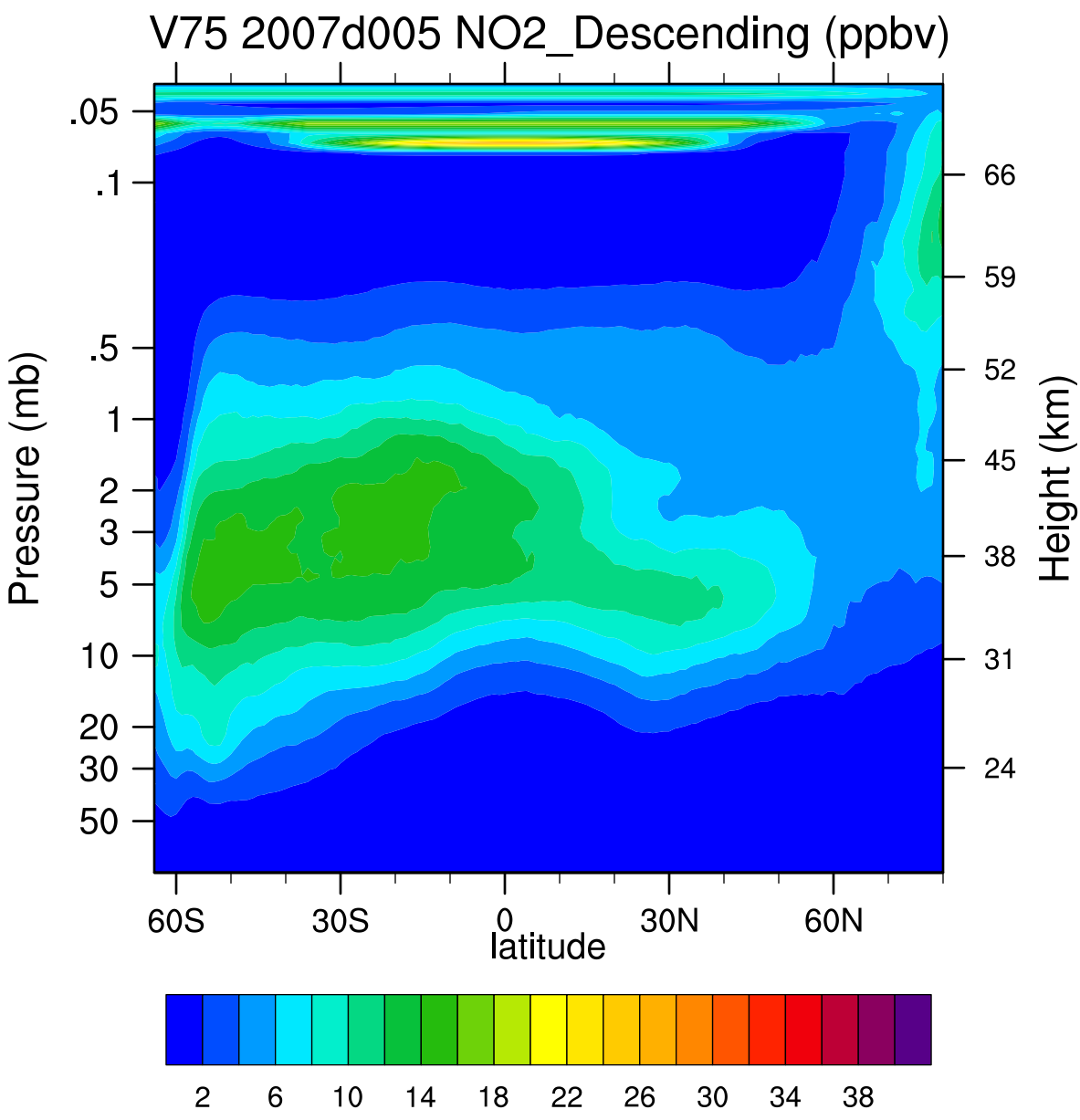
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2007d005 NO2_Descending (ppbv)
Pressure (mb)
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.5
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2
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Height (km)
66
59
52
45
38
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24
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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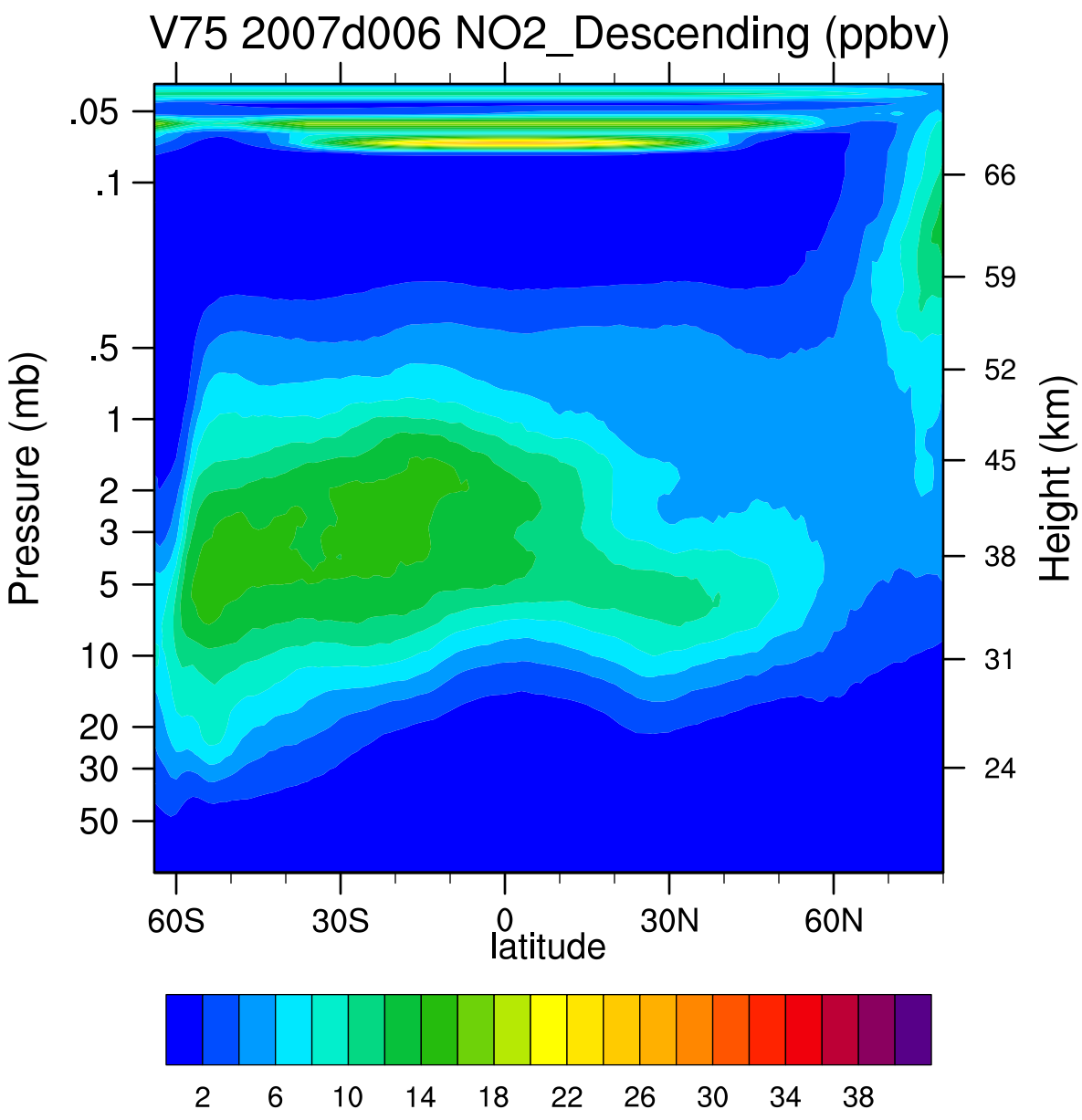
V75 2007d006 NO2_Descending (ppbv)
Pressure (mb)
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Height (km)
66
59
52
45
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24
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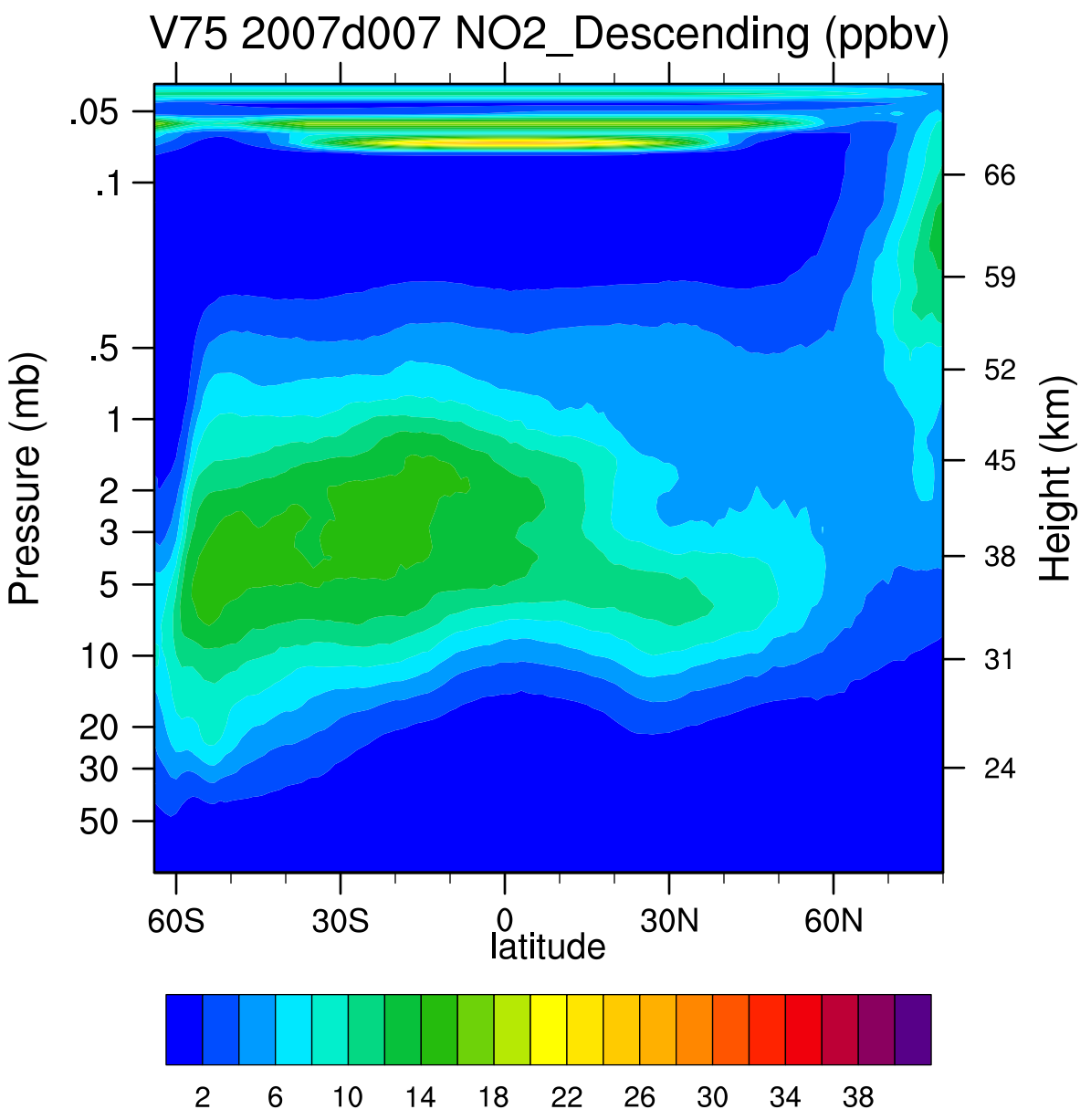
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2007d007 NO2_Descending (ppbv)
Pressure (mb)
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.5
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2
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Height (km)
66
59
52
45
38
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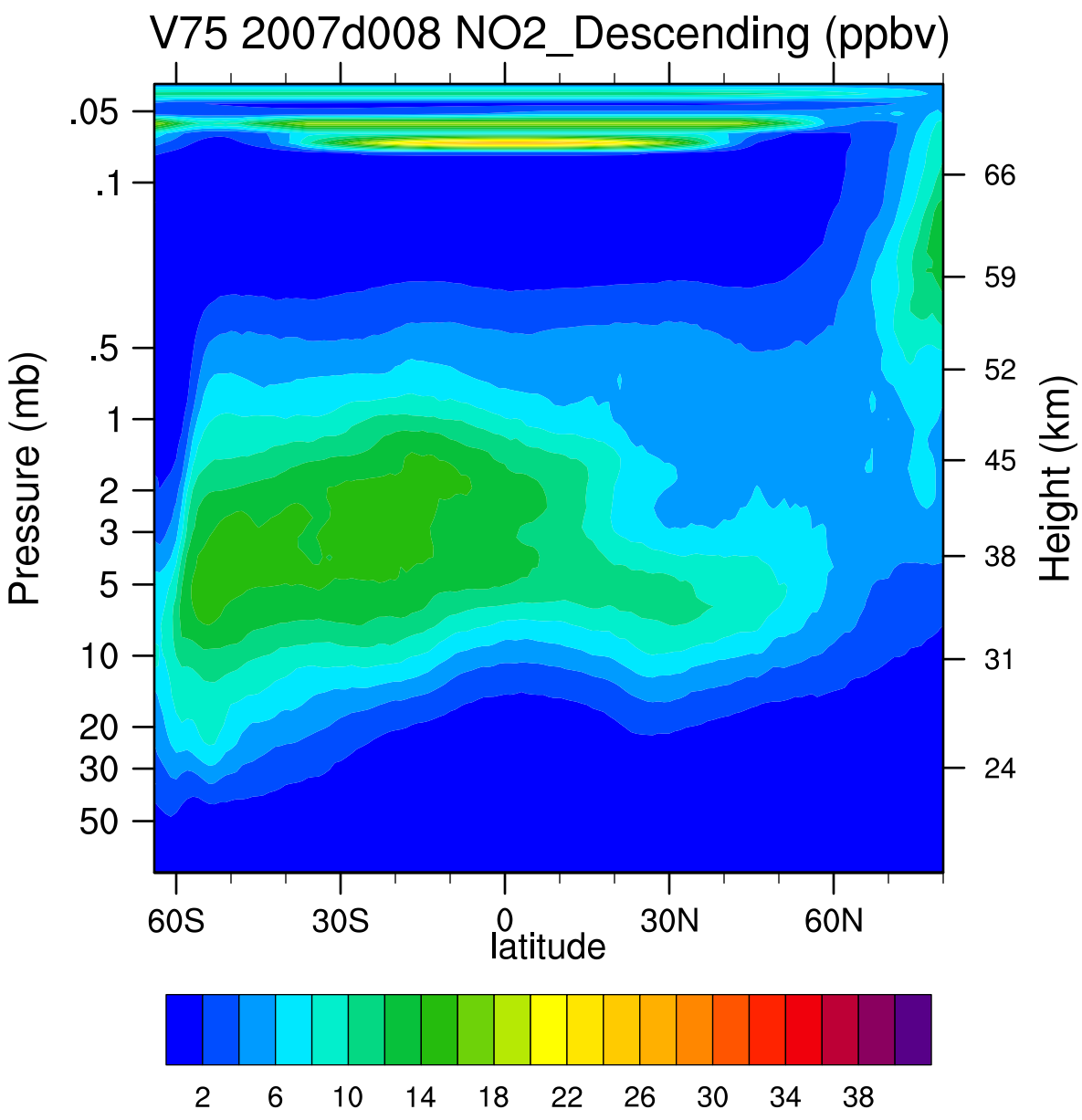
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2007d008 NO2_Descending (ppbv)
Pressure (mb)
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Height (km)
66
59
52
45
38
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24
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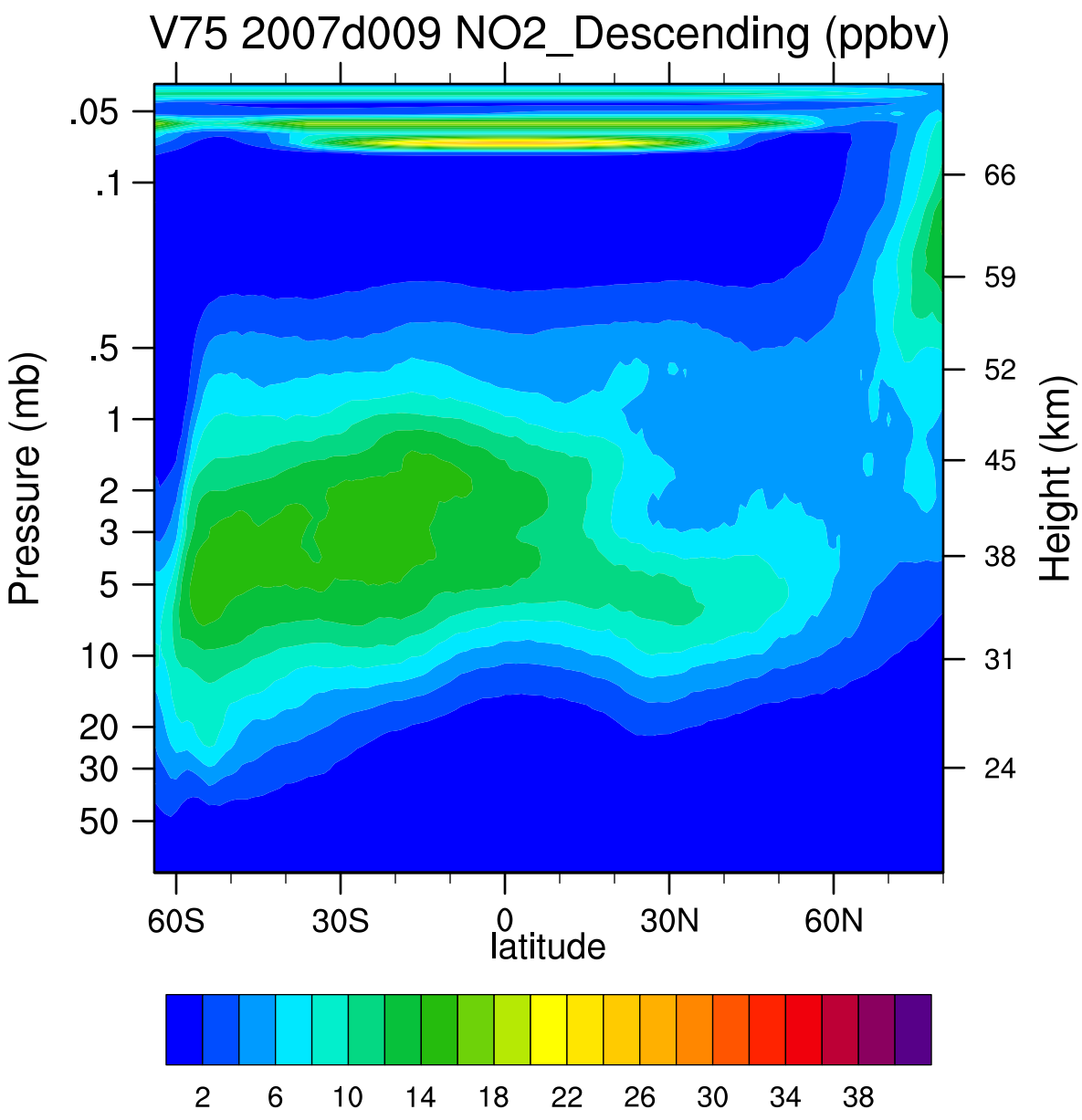
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2007d009 NO2_Descending (ppbv)
Pressure (mb)
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30
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Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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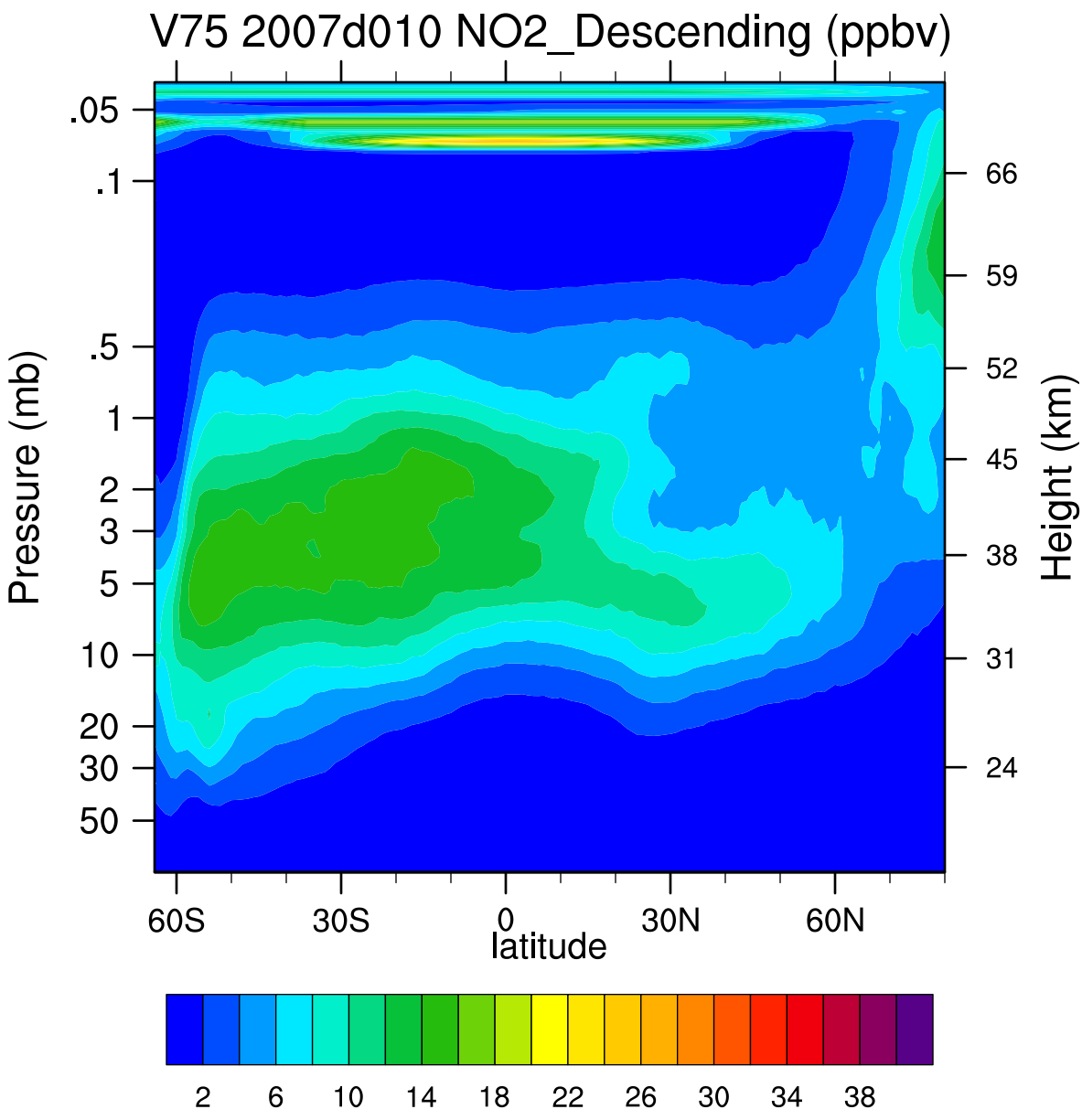
V75 2007d010 NO2_Descending (ppbv)
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10
20
30
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Height (km)
66
59
52
45
38
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24
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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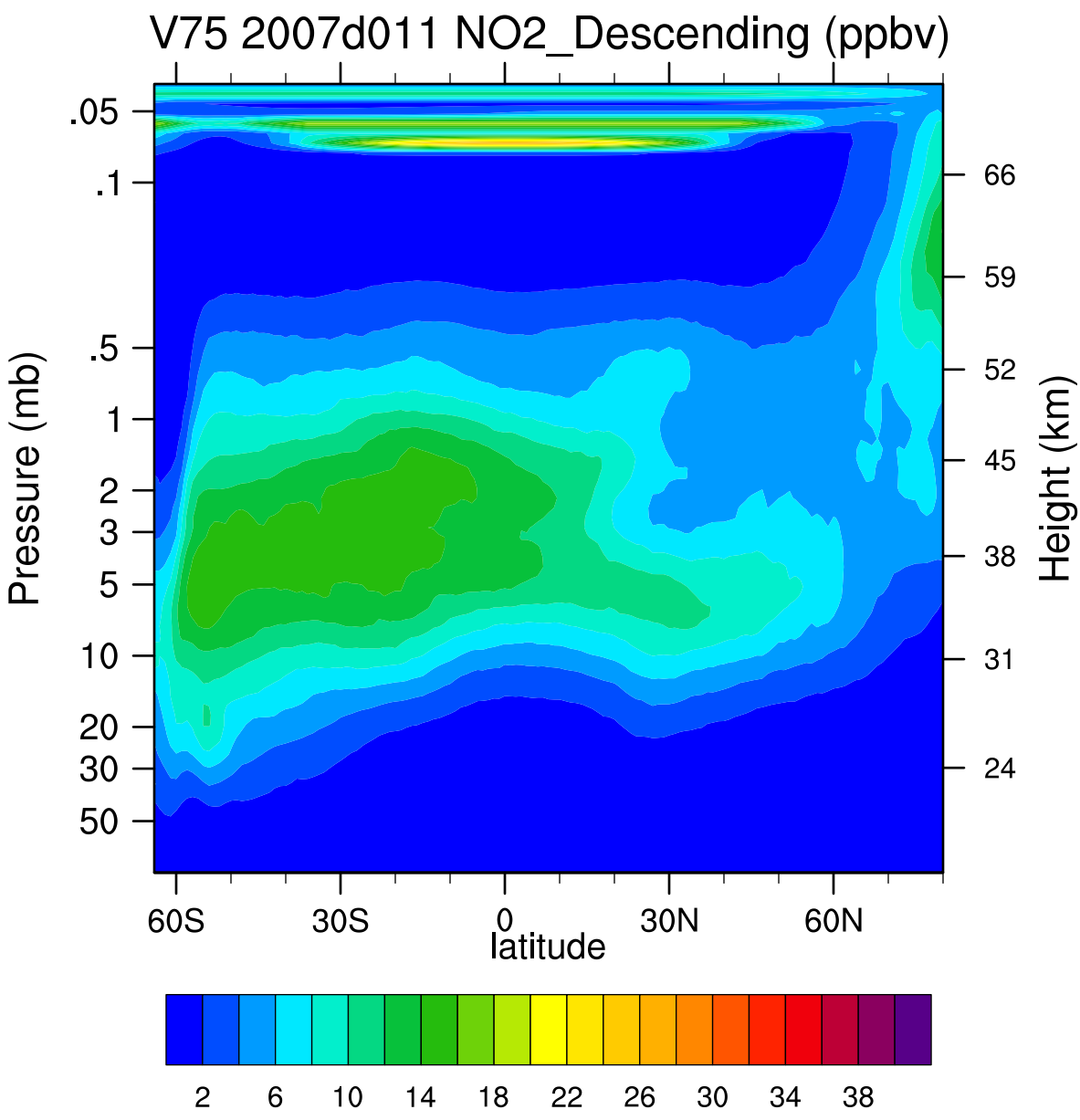
V75 2007d011 NO2_Descending (ppbv)
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.5
1
2
3
5
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20
30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
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34
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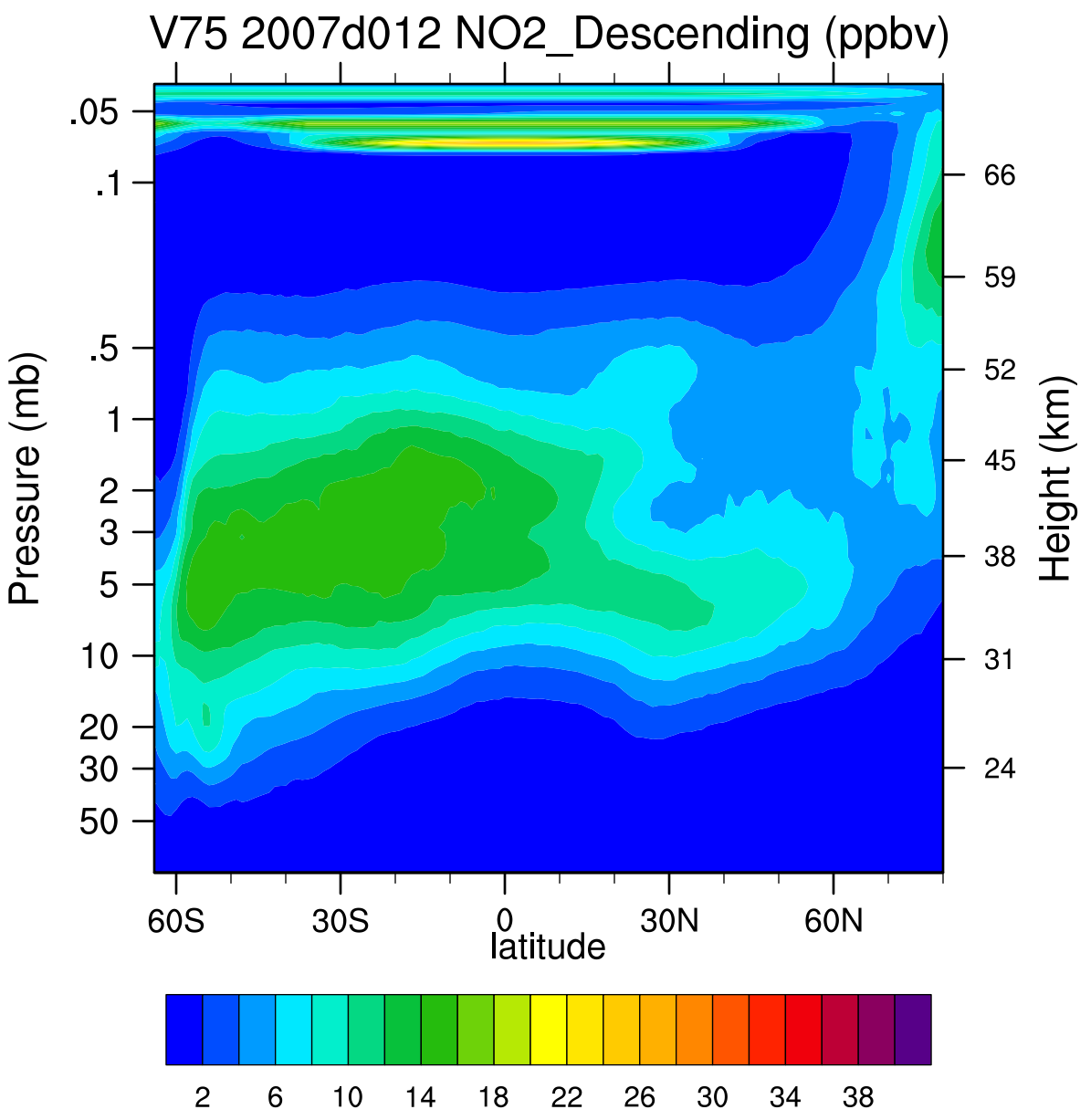
V75 2007d012 NO2_Descending (ppbv)
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.5
1
2
3
5
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20
30
50
Pressure (mb)
66
59
52
45
38
31
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Height (km)
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30S
0
30N
60N
latitude
2
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26
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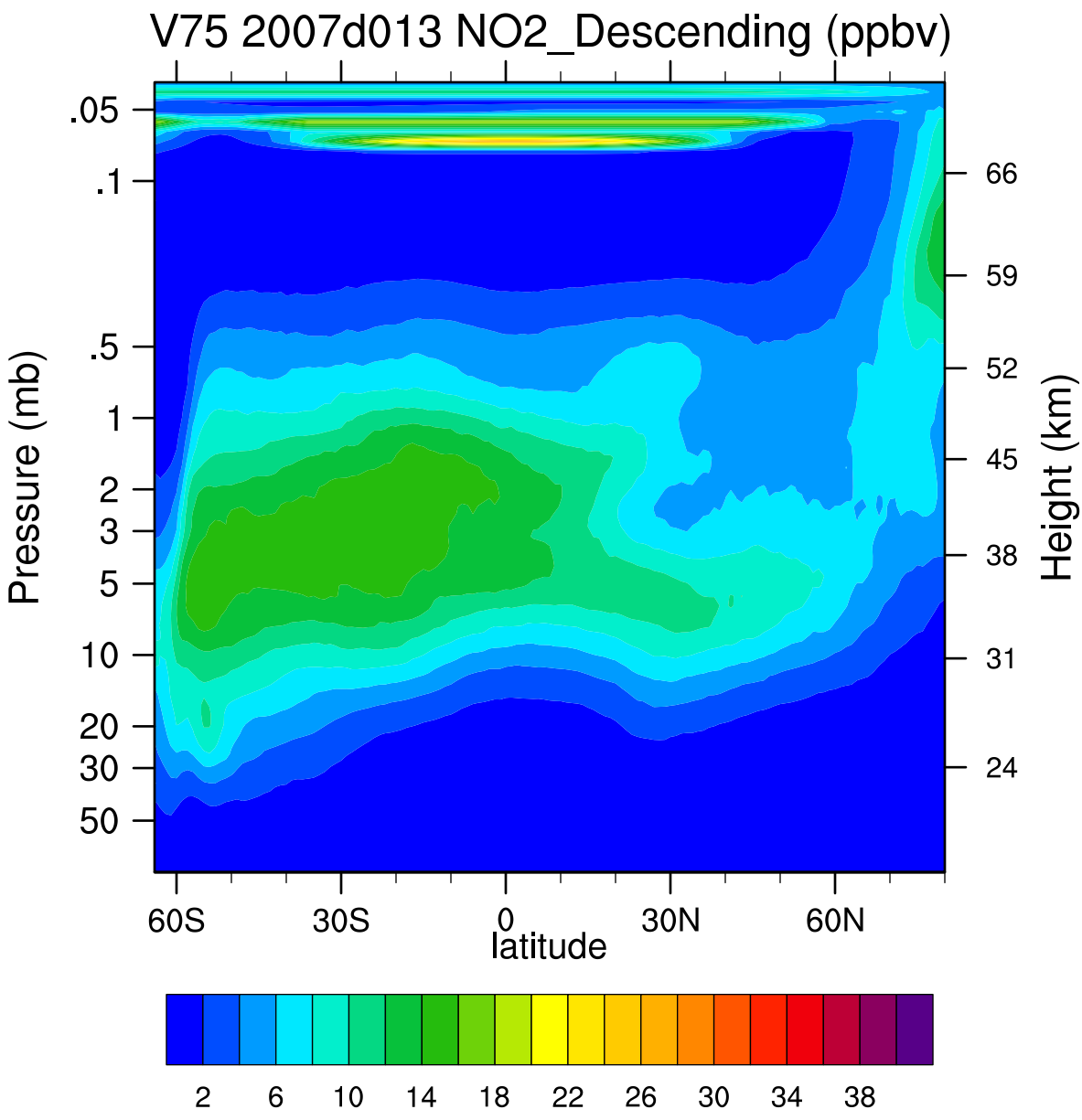
V75 2007d013 NO2_Descending (ppbv)
Pressure (mb)
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.5
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2
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5
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20
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Height (km)
66
59
52
45
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30S
0
30N
60N
latitude
2
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14
18
22
26
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34
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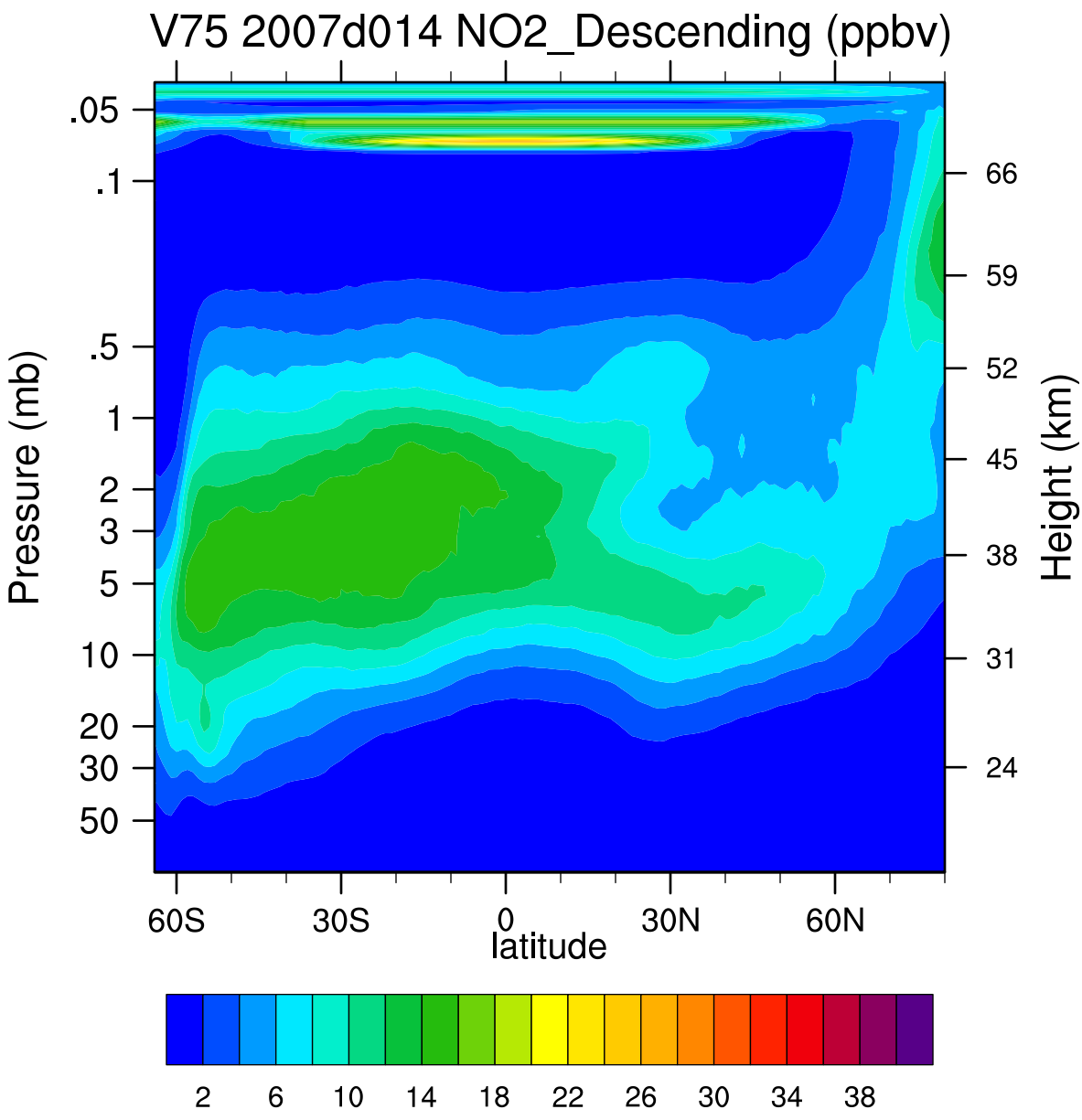
V75 2007d014 NO2_Descending (ppbv)
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2
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5
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30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
6
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14
18
22
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34
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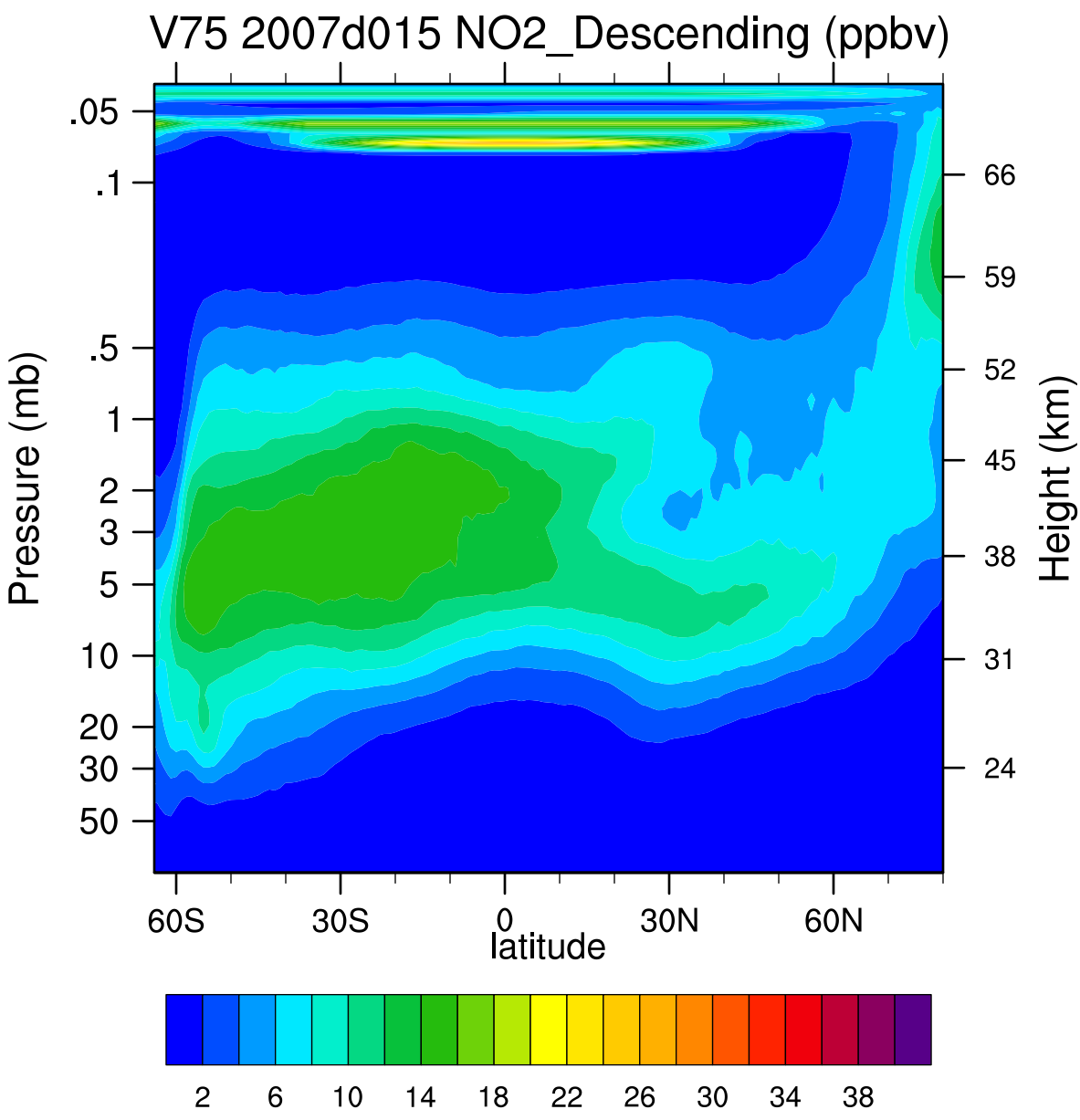
V75 2007d015 NO2_Descending (ppbv)
Pressure (mb)
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2
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50
Height (km)
66
59
52
45
38
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24
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30S
0
30N
60N
latitude
2
6
10
14
18
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26
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34
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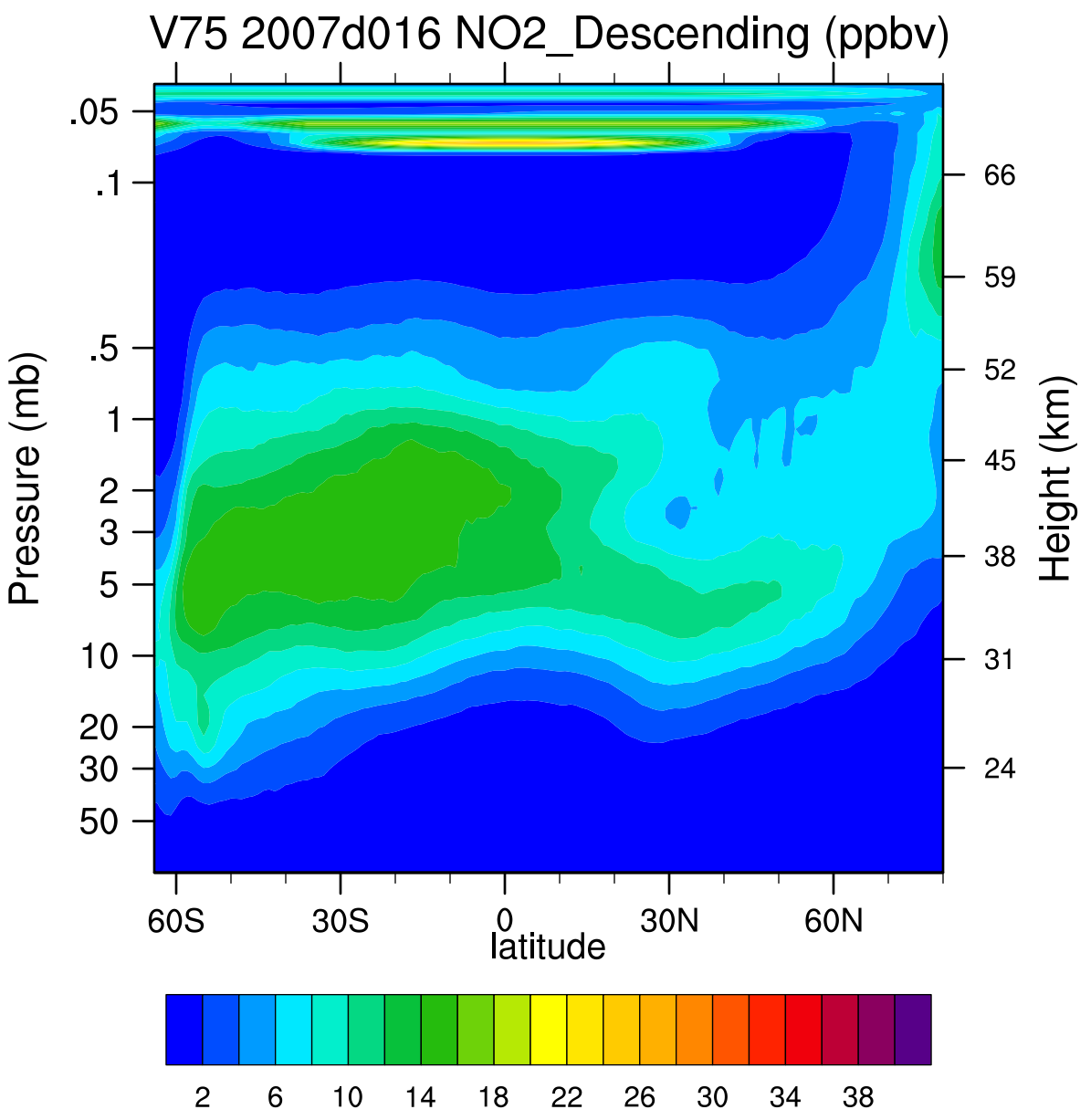
V75 2007d016 NO2_Descending (ppbv)
Pressure (mb)
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.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
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22
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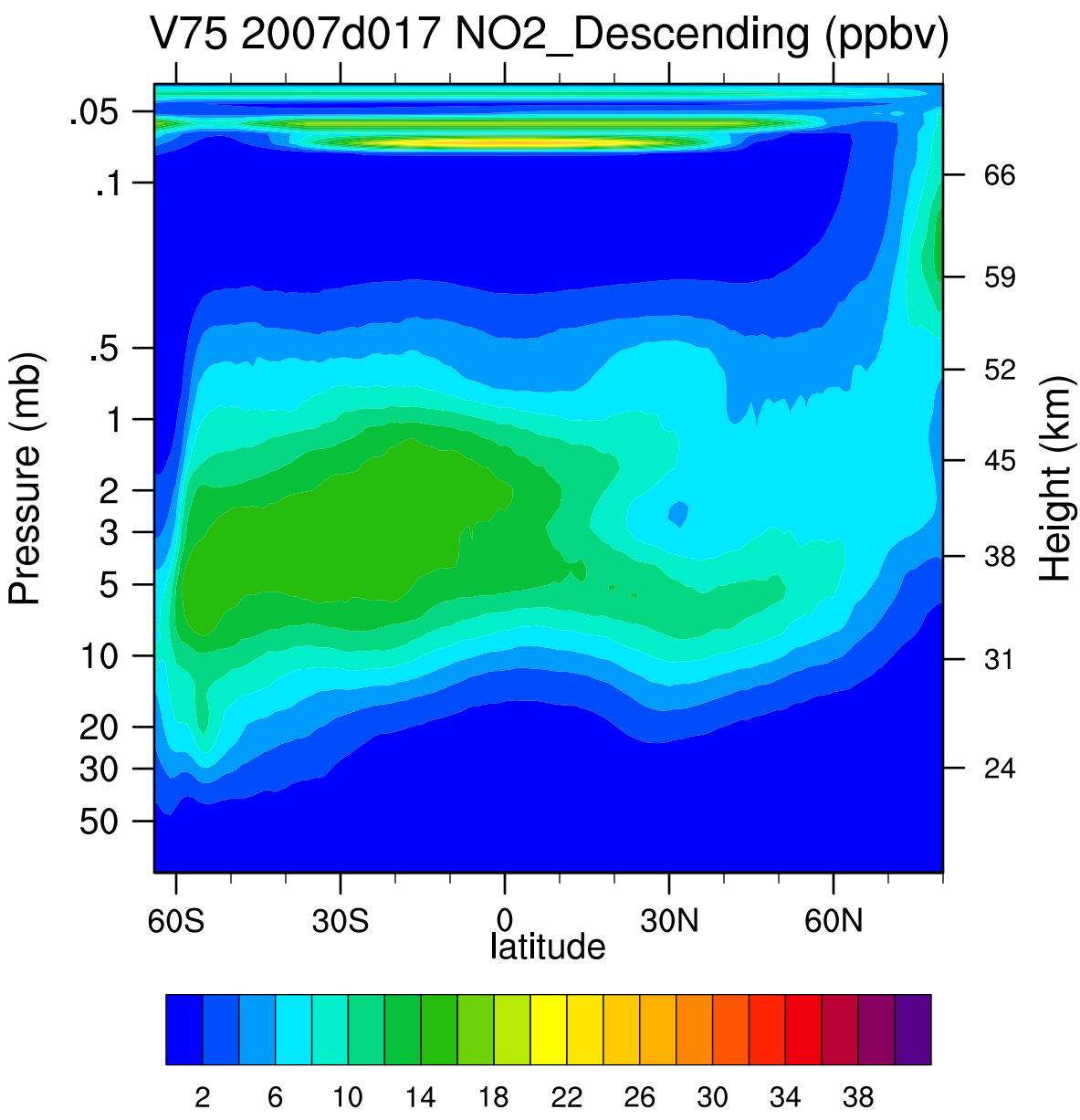
34
38


V75 2007d017 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
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30S
0
30N
60N
latitude
2
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10
14
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26
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34
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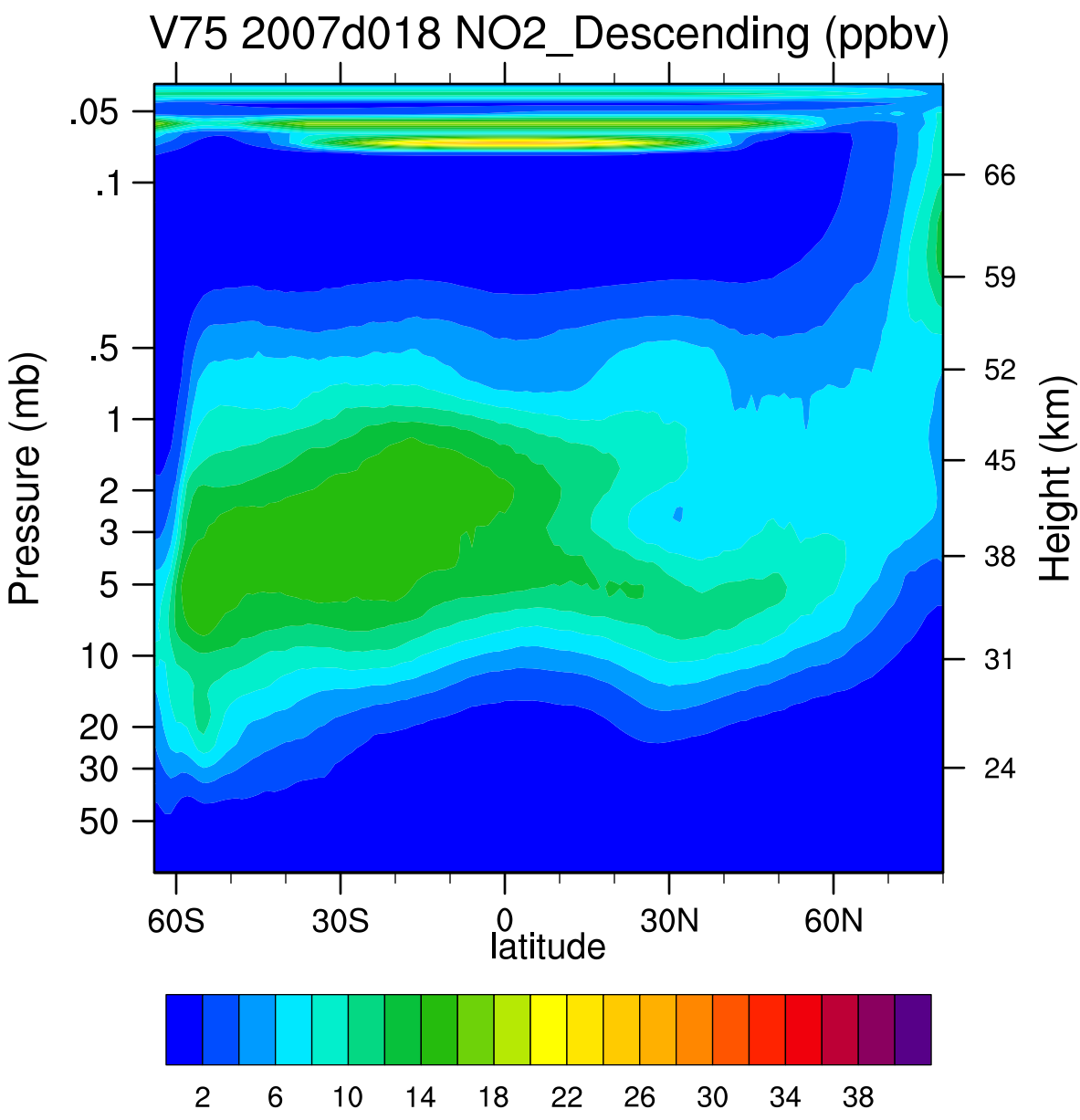
V75 2007d018 NO2_Descending (ppbv)
Pressure (mb)
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.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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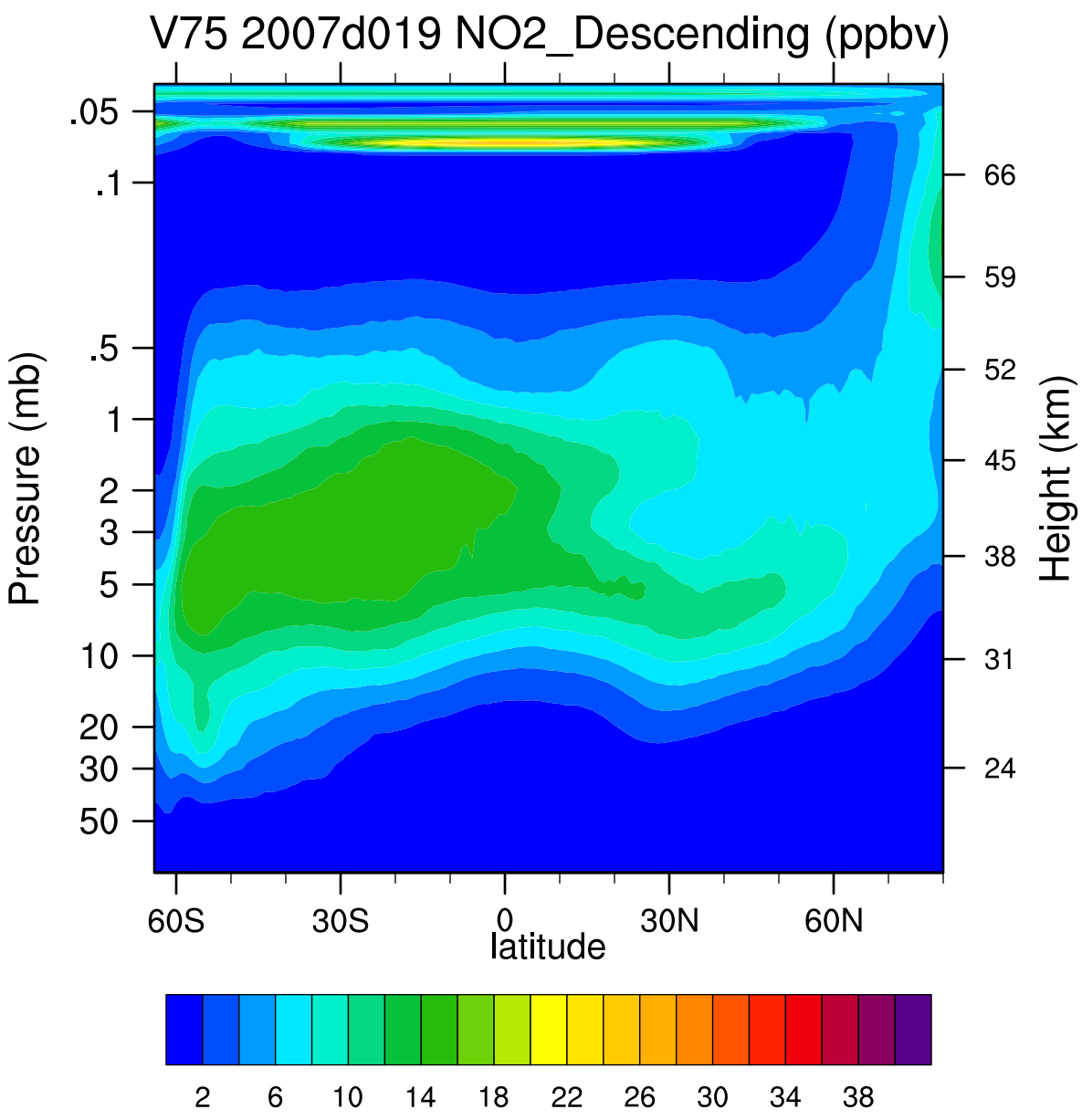
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1
2
3
5
10
20
30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
60S
30S
0
30N
60N
latitude
2
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10
14
18
22
26
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34
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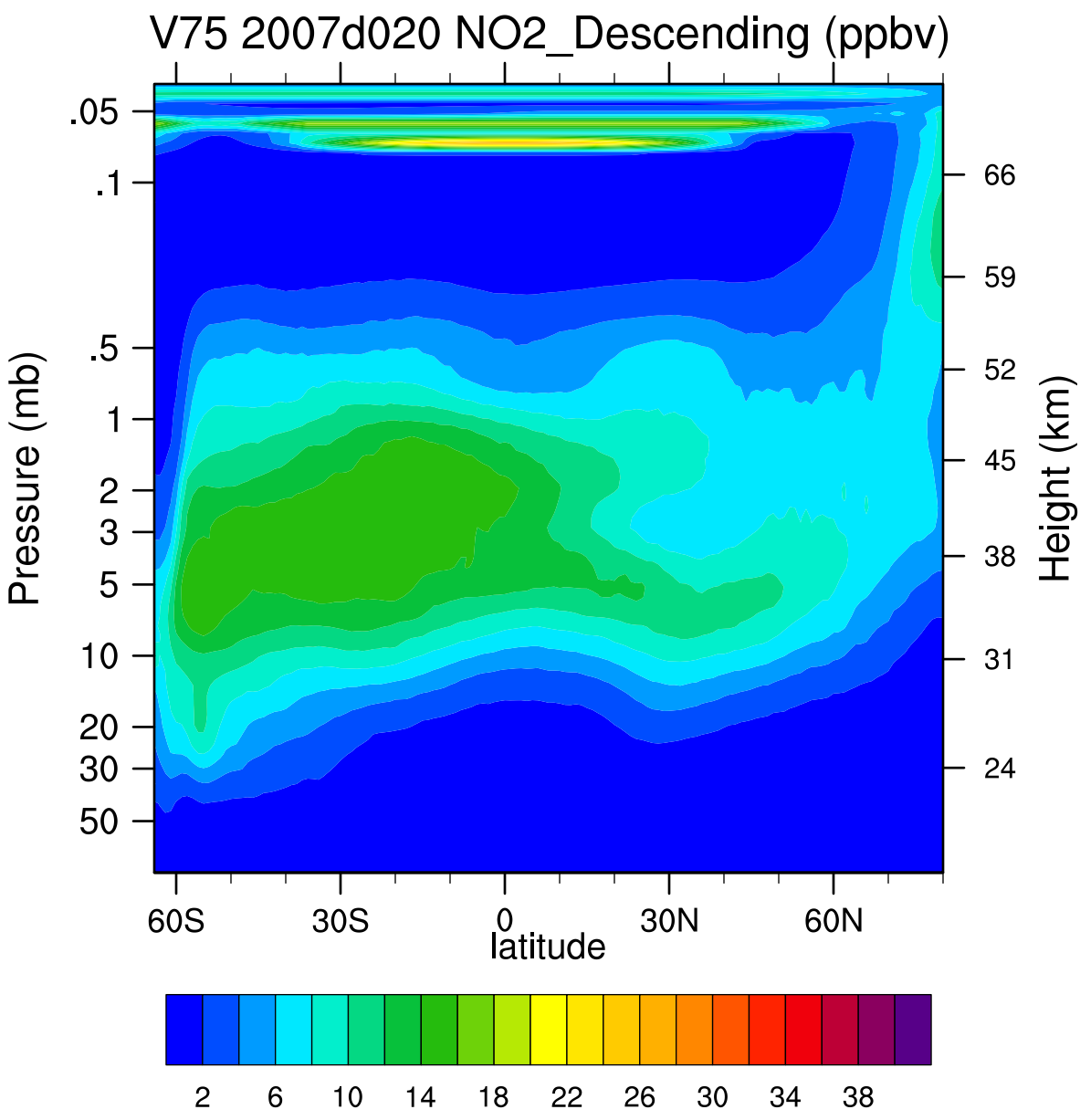
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Pressure (mb)
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.5
1
2
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5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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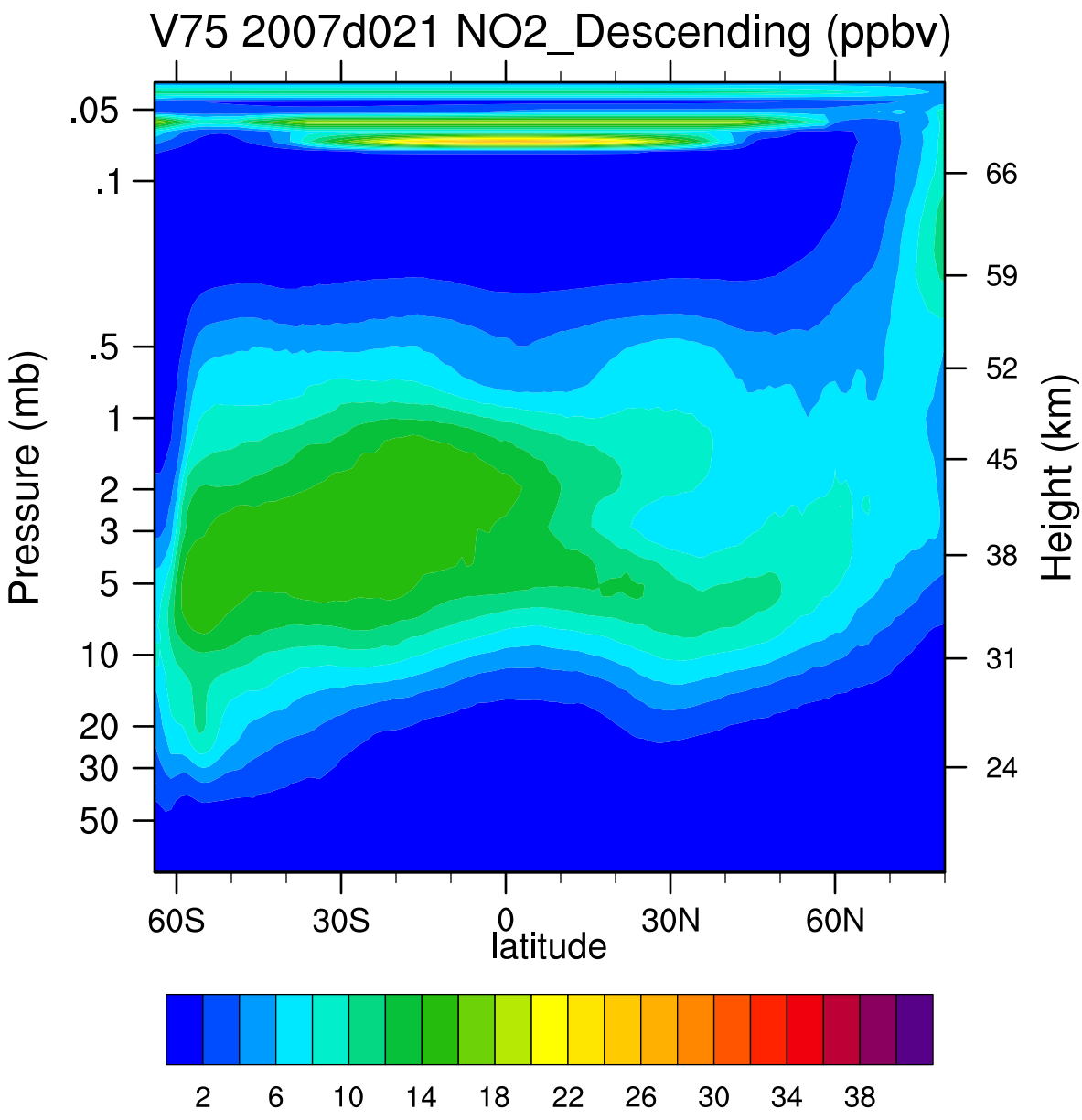
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Pressure (mb)
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2
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5
10
20
30
50
Height (km)
66
59
52
45
38
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24
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30S
0
30N
60N
latitude
2
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10
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18
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26
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34
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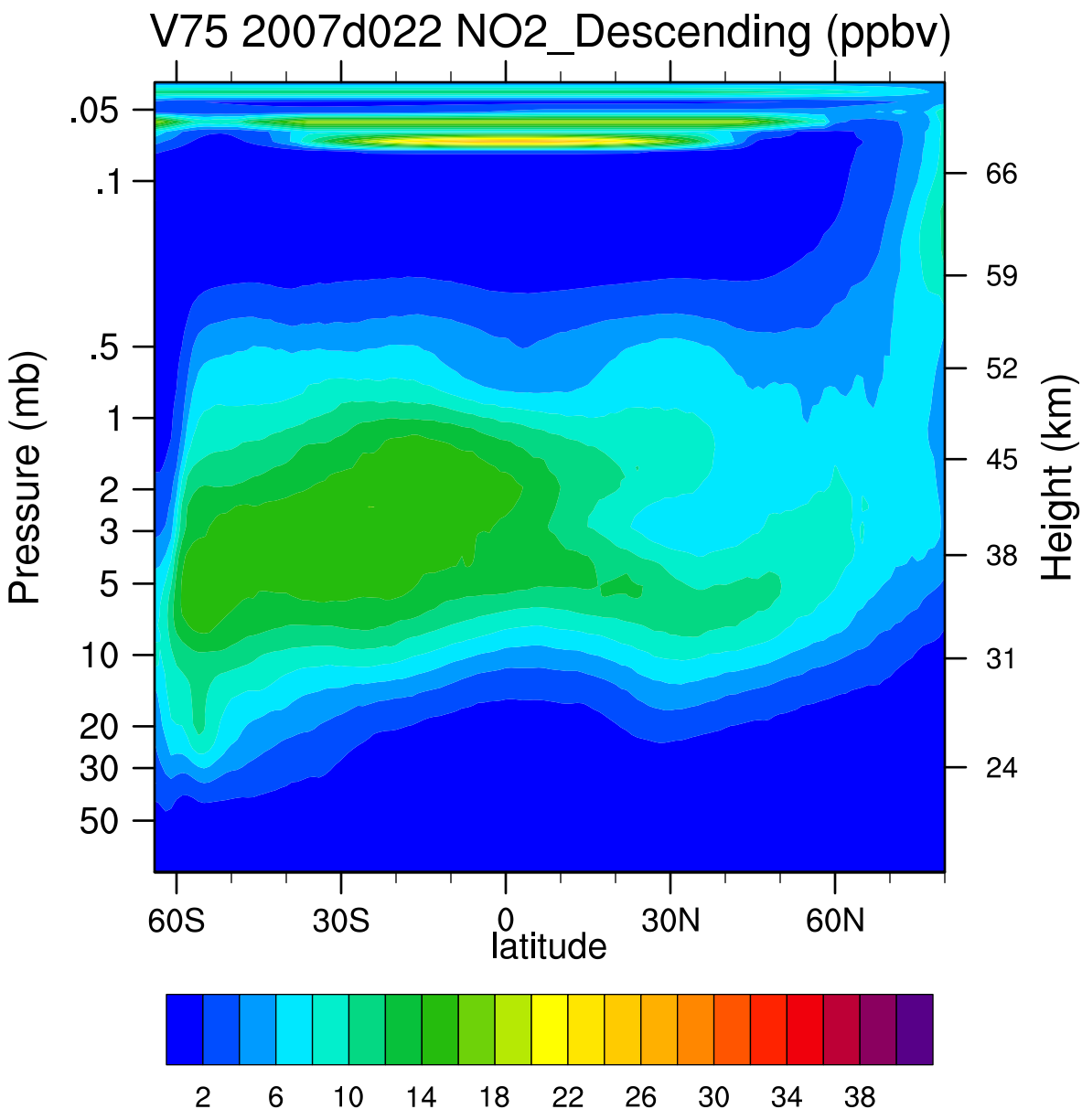
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Pressure (mb)
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1
2
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5
10
20
30
50
Height (km)
66
59
52
45
38
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24
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30S
0
30N
60N
latitude
2
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10
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26
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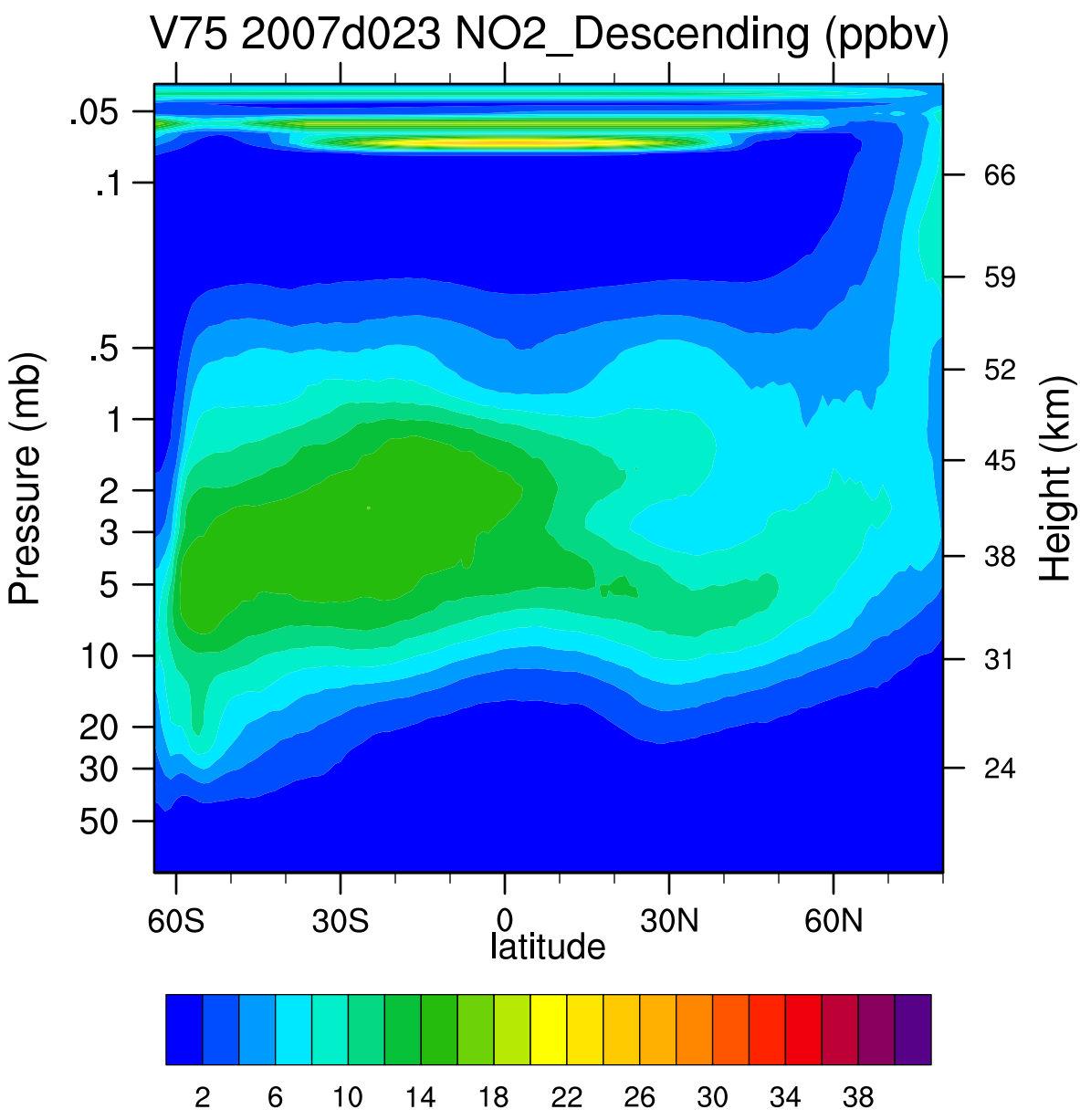
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Pressure (mb)
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2
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5
10
20
30
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Height (km)
66
59
52
45
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24
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30S
0
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60N
latitude
2
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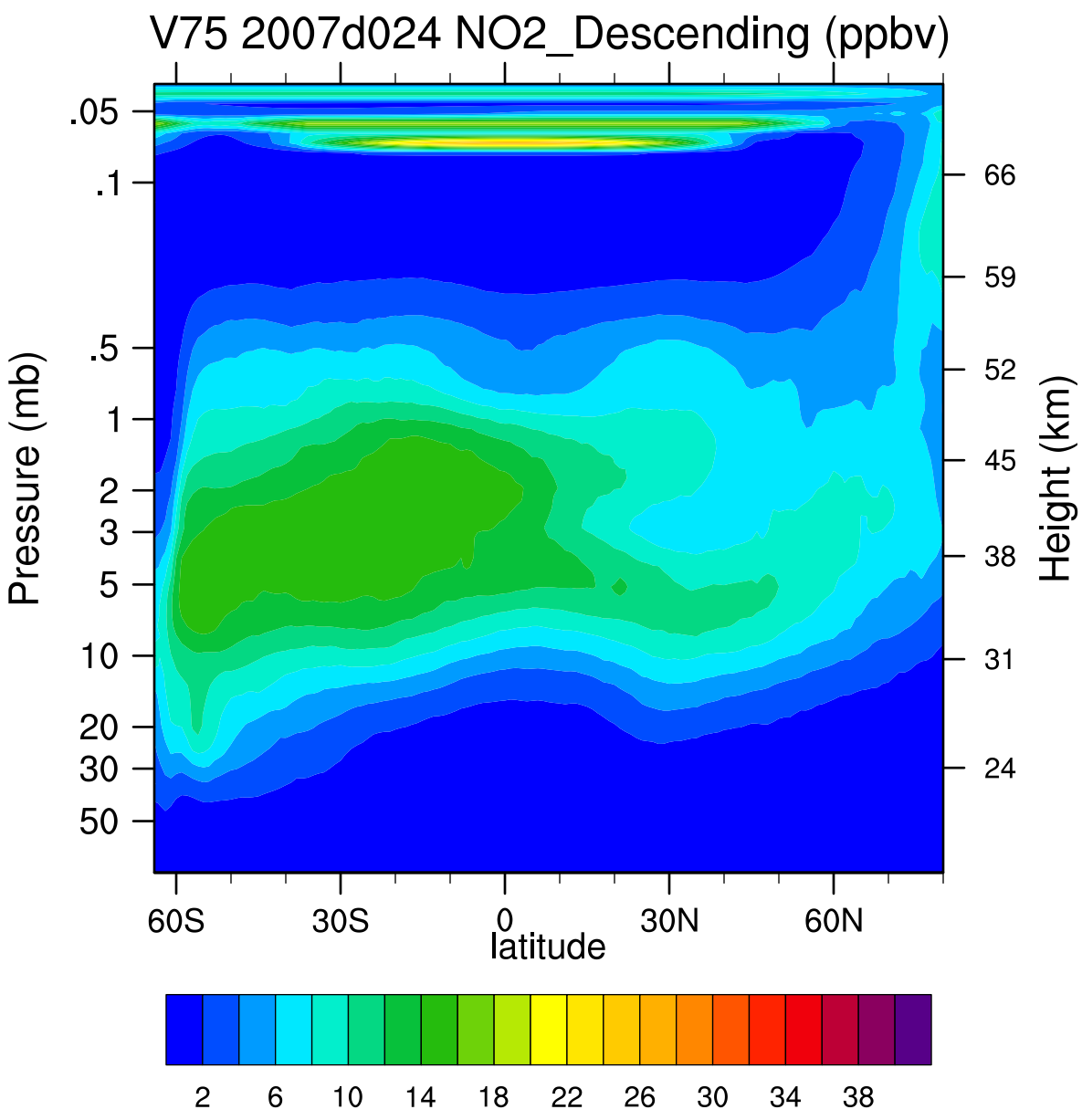
V75 2007d024 NO2_Descending (ppbv)
Pressure (mb)
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2
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5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
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22
26
30
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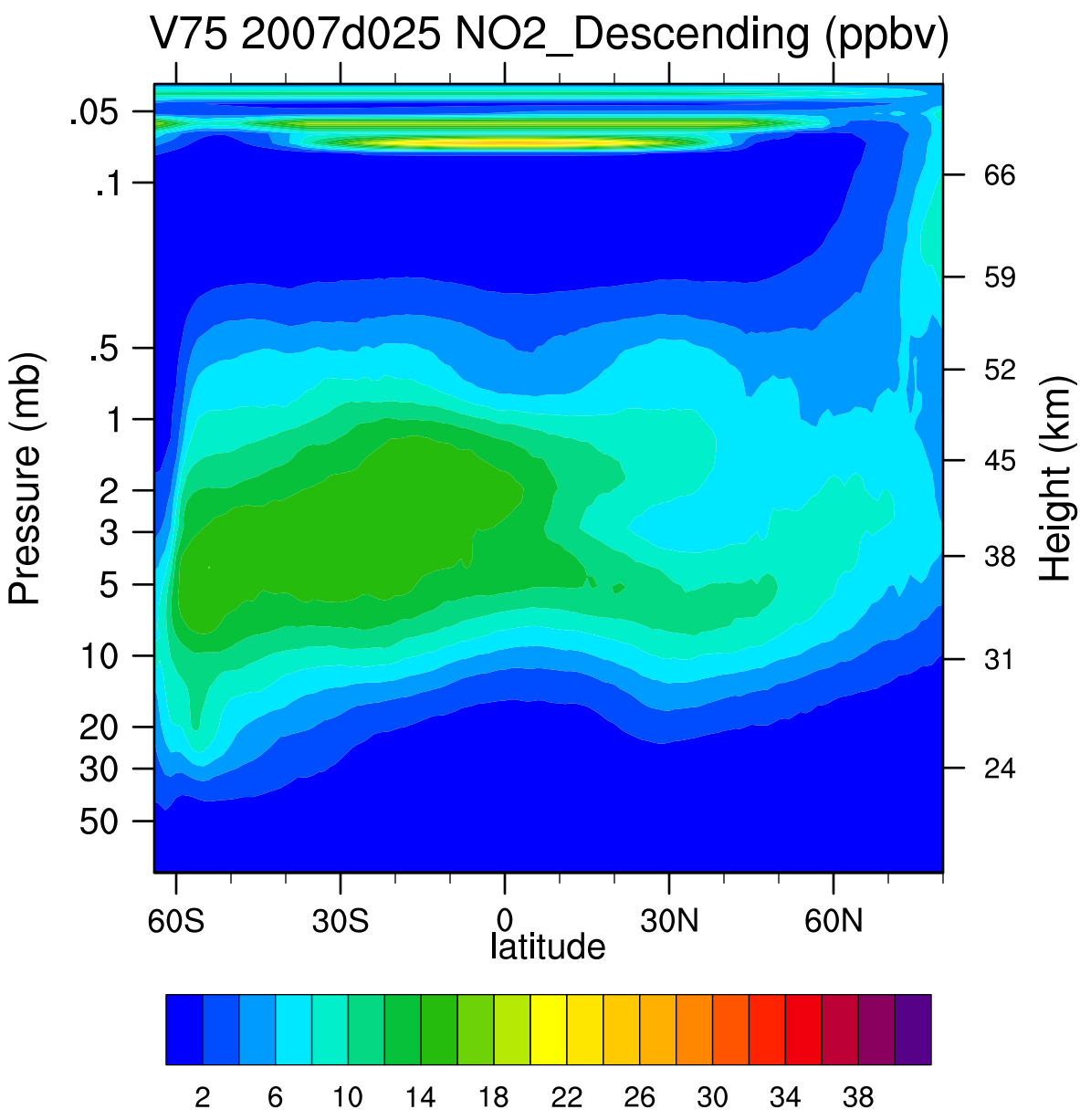
V75 2007d025 NO2_Descending (ppbv)
Pressure (mb)
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2
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5
10
20
30
50
Height (km)
66
59
52
45
38
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24
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30S
0
30N
60N
latitude
2
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10
14
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22
26
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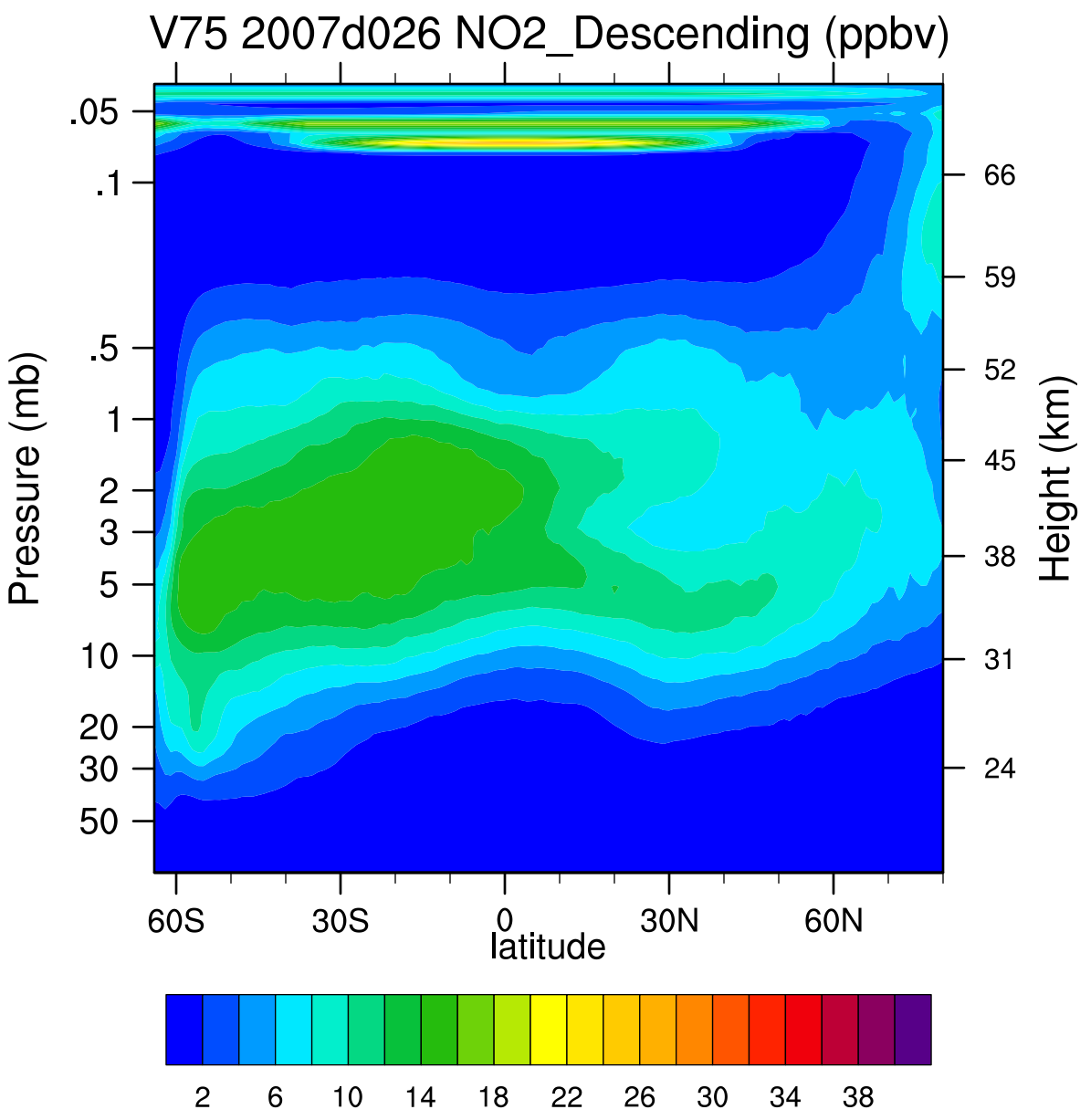
V75 2007d026 NO2_Descending (ppbv)
Pressure (mb)
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5
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30
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Height (km)
66
59
52
45
38
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24
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30S
0
30N
60N
latitude
2
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26
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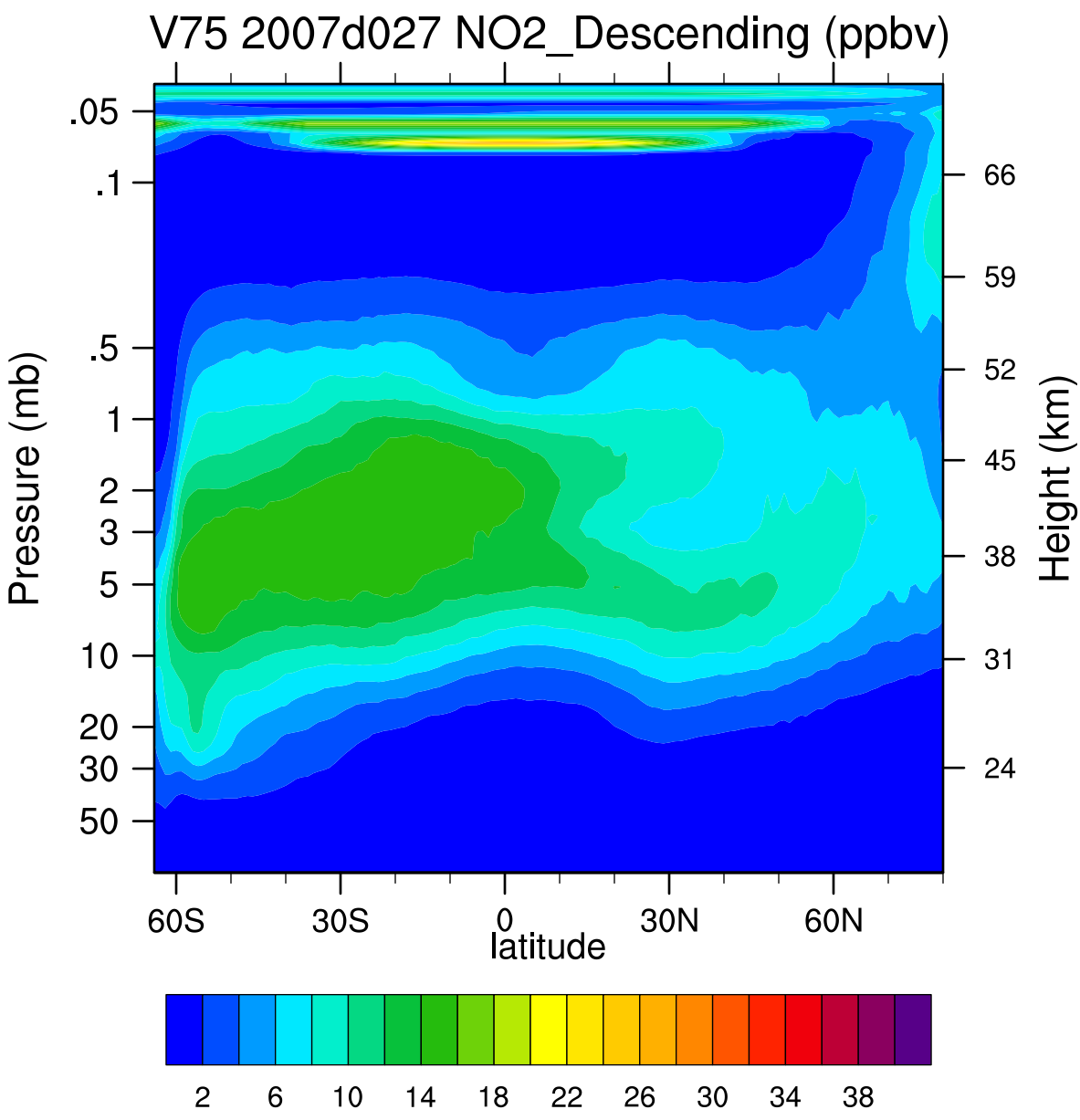
V75 2007d027 NO2_Descending (ppbv)
Pressure (mb)
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10
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30
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Height (km)
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59
52
45
38
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24
60S
30S
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30N
60N
latitude
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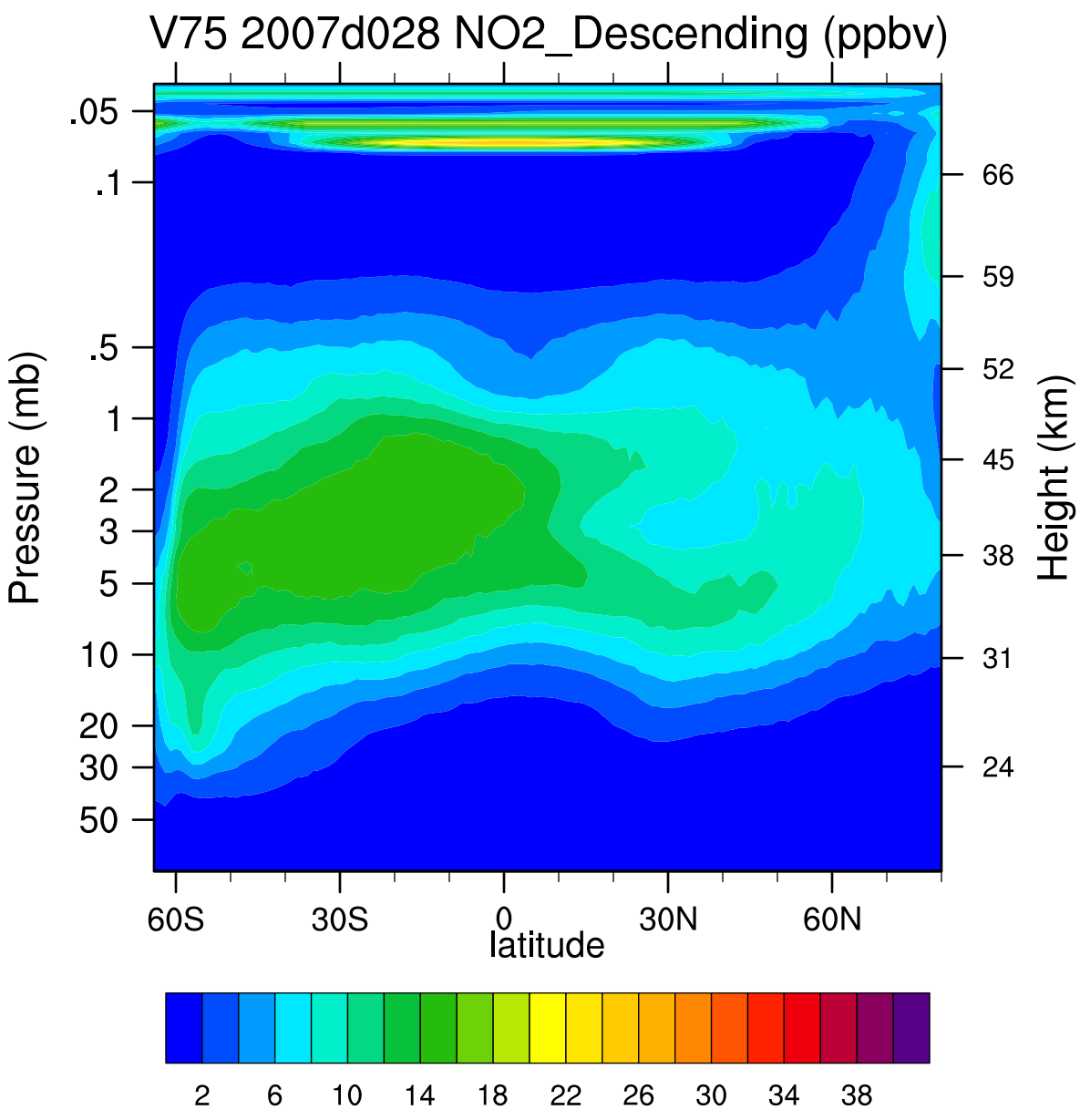
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Pressure (mb)
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5
10
20
30
50
Height (km)
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59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
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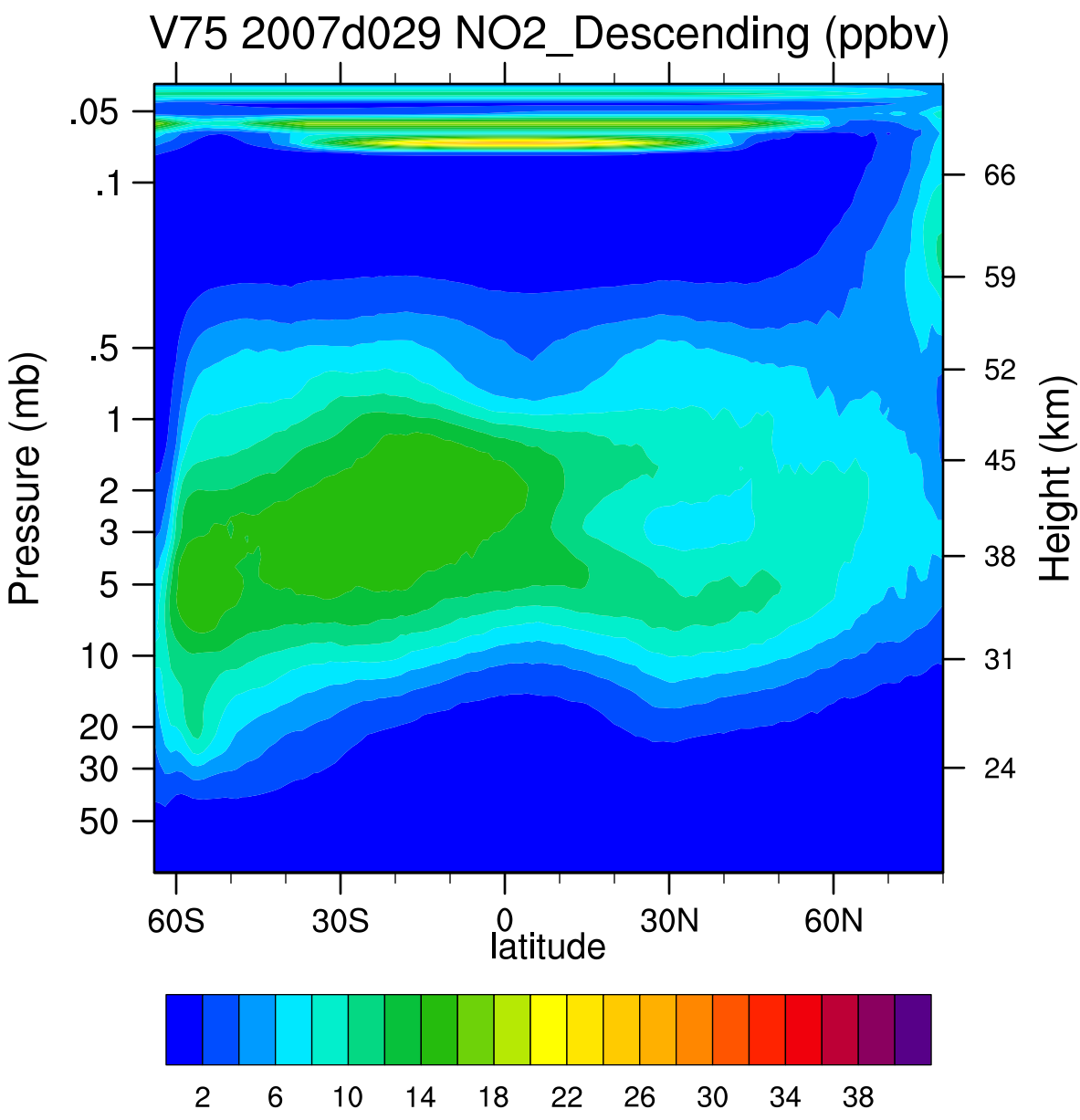
V75 2007d029 NO2_Descending (ppbv)
Pressure (mb)
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.5
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Height (km)
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59
52
45
38
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30S
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30N
60N
latitude
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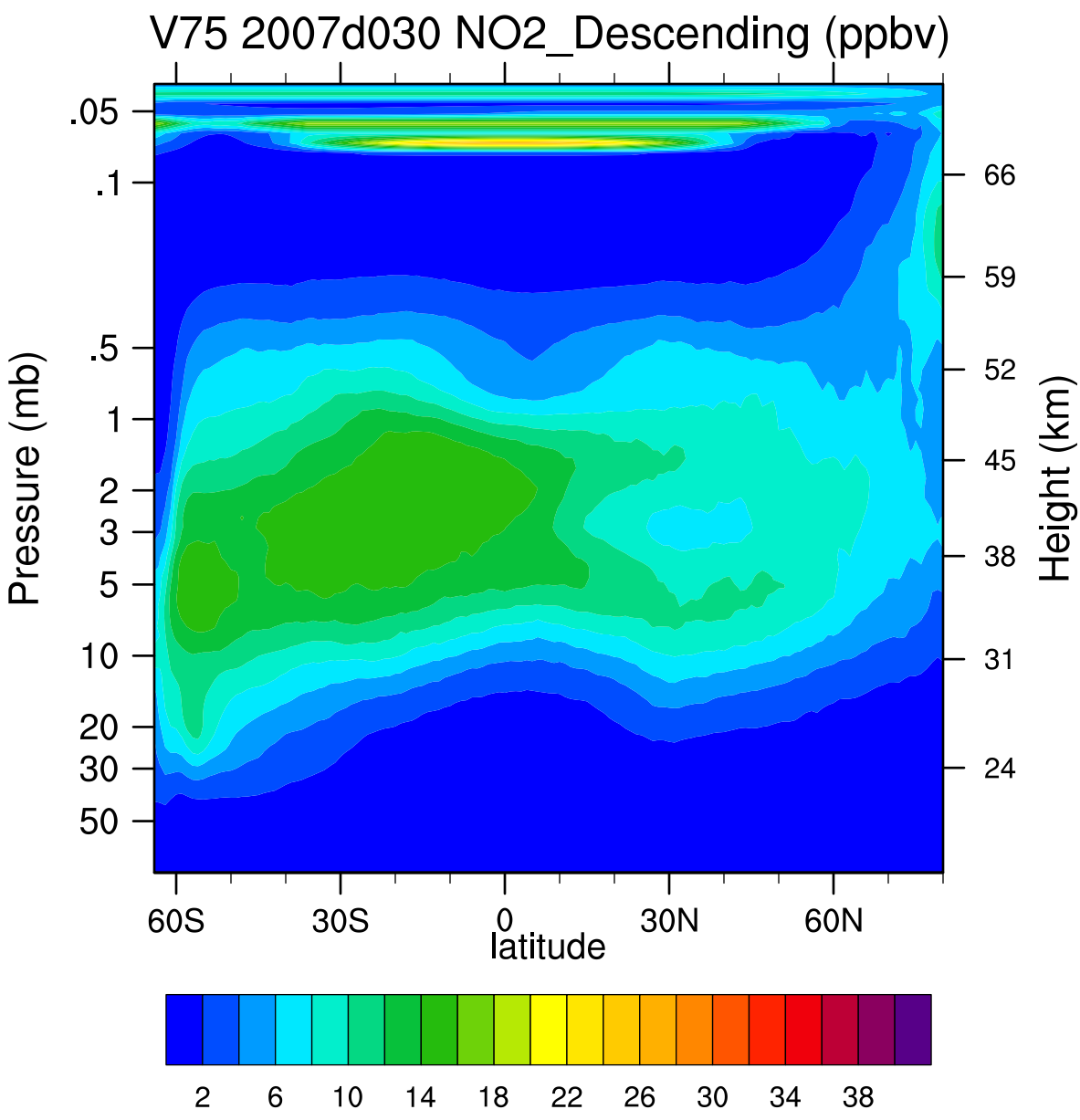
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Pressure (mb)
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.5
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Height (km)
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59
52
45
38
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30S
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30N
60N
latitude
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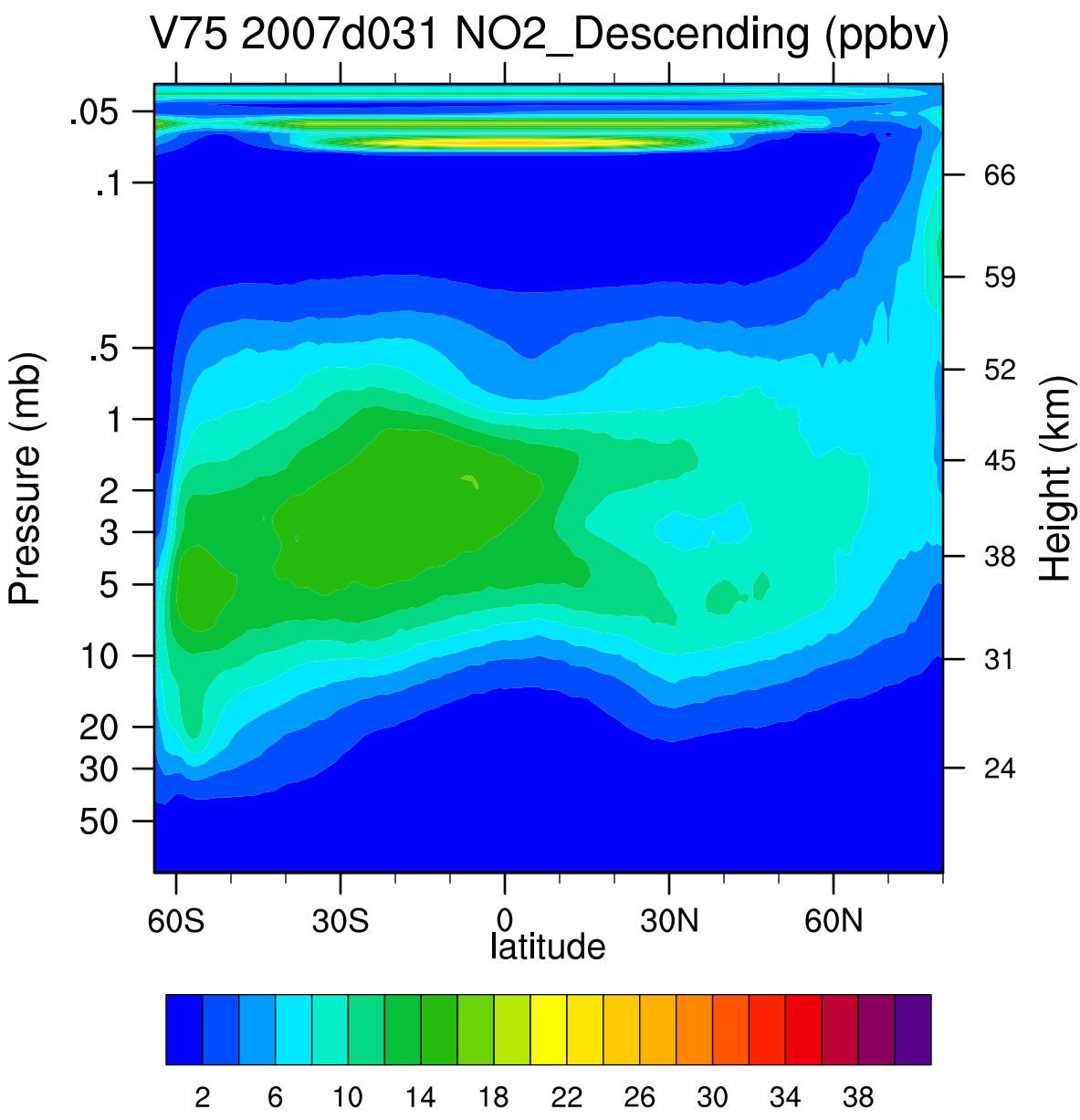
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Height (km)
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59
52
45
38
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24
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30S
0
30N
60N
latitude
2
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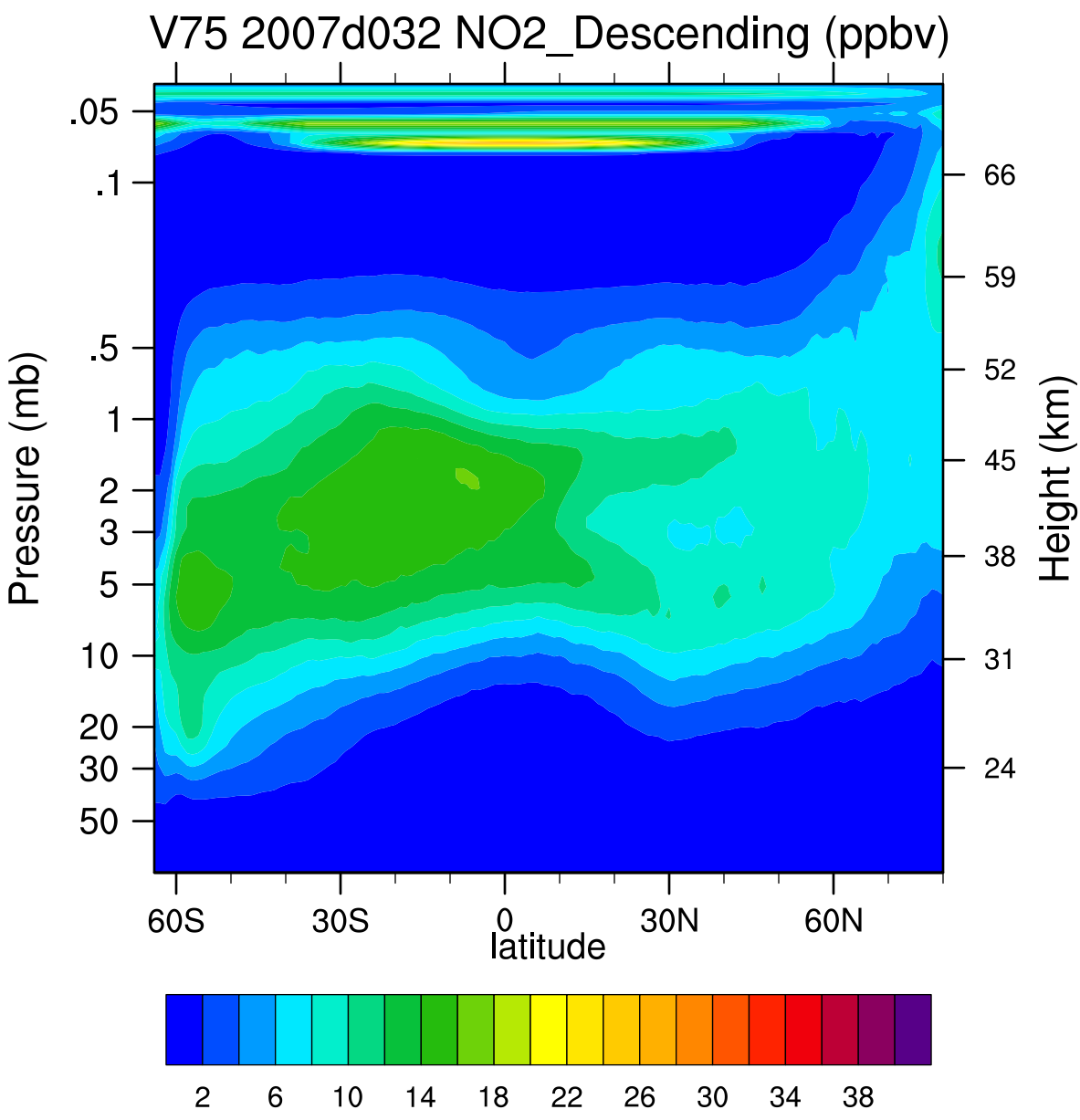
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2
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Height (km)
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59
52
45
38
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24
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30S
0
30N
60N
latitude
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26
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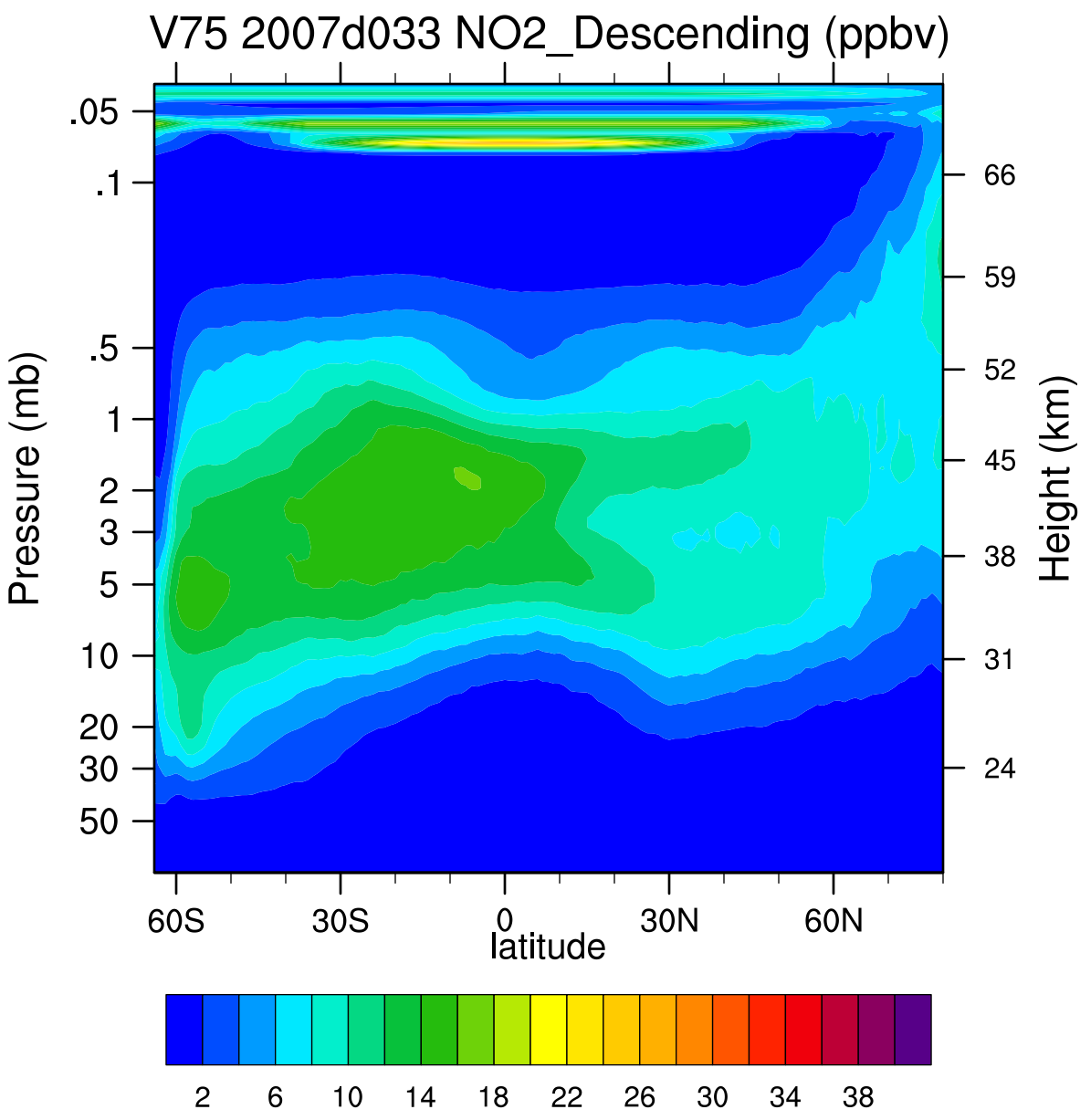
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2
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30
50
Height (km)
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59
52
45
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30S
0
30N
60N
latitude
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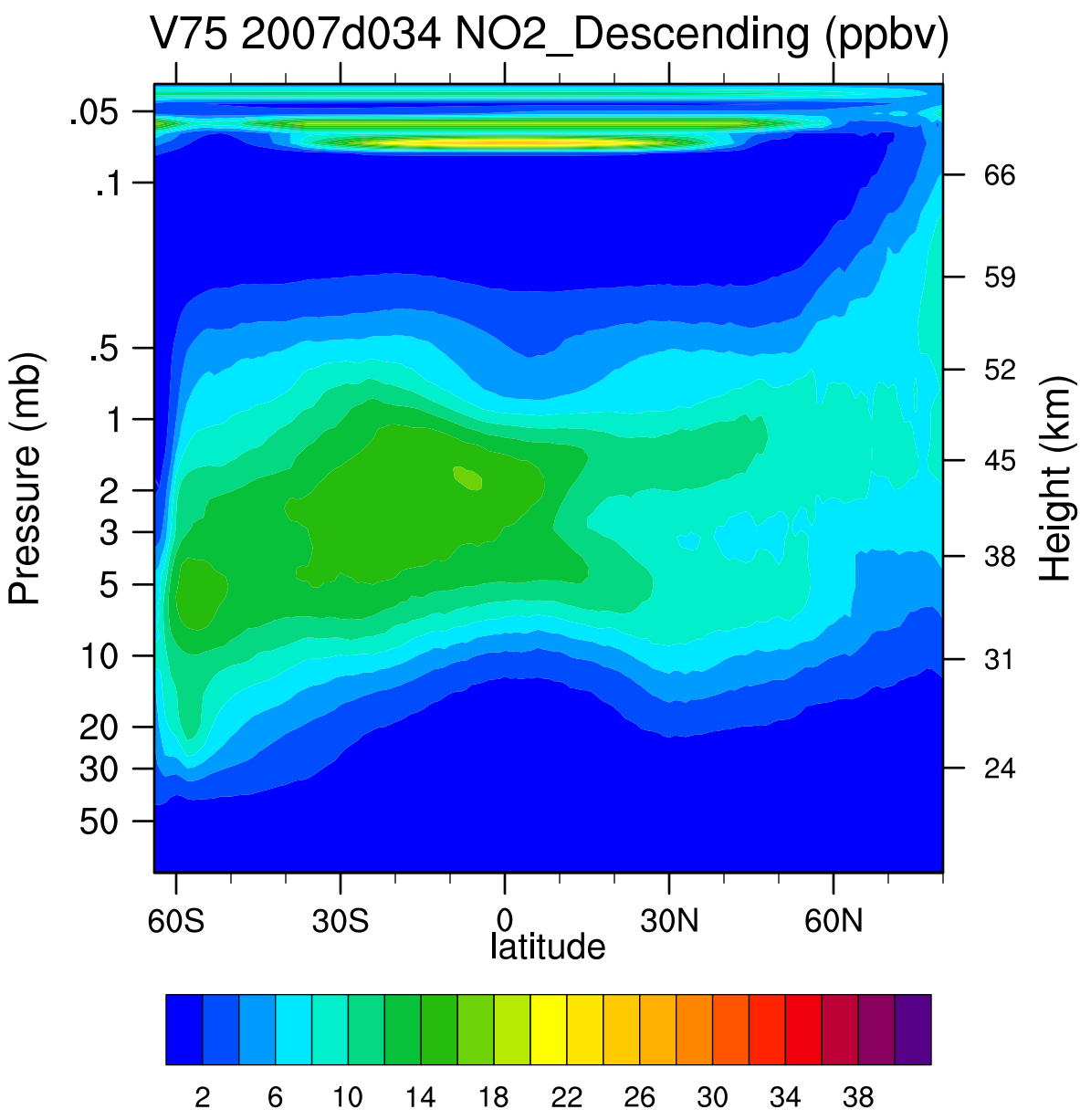
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2
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Height (km)
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59
52
45
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30S
0
30N
60N
latitude
2
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26
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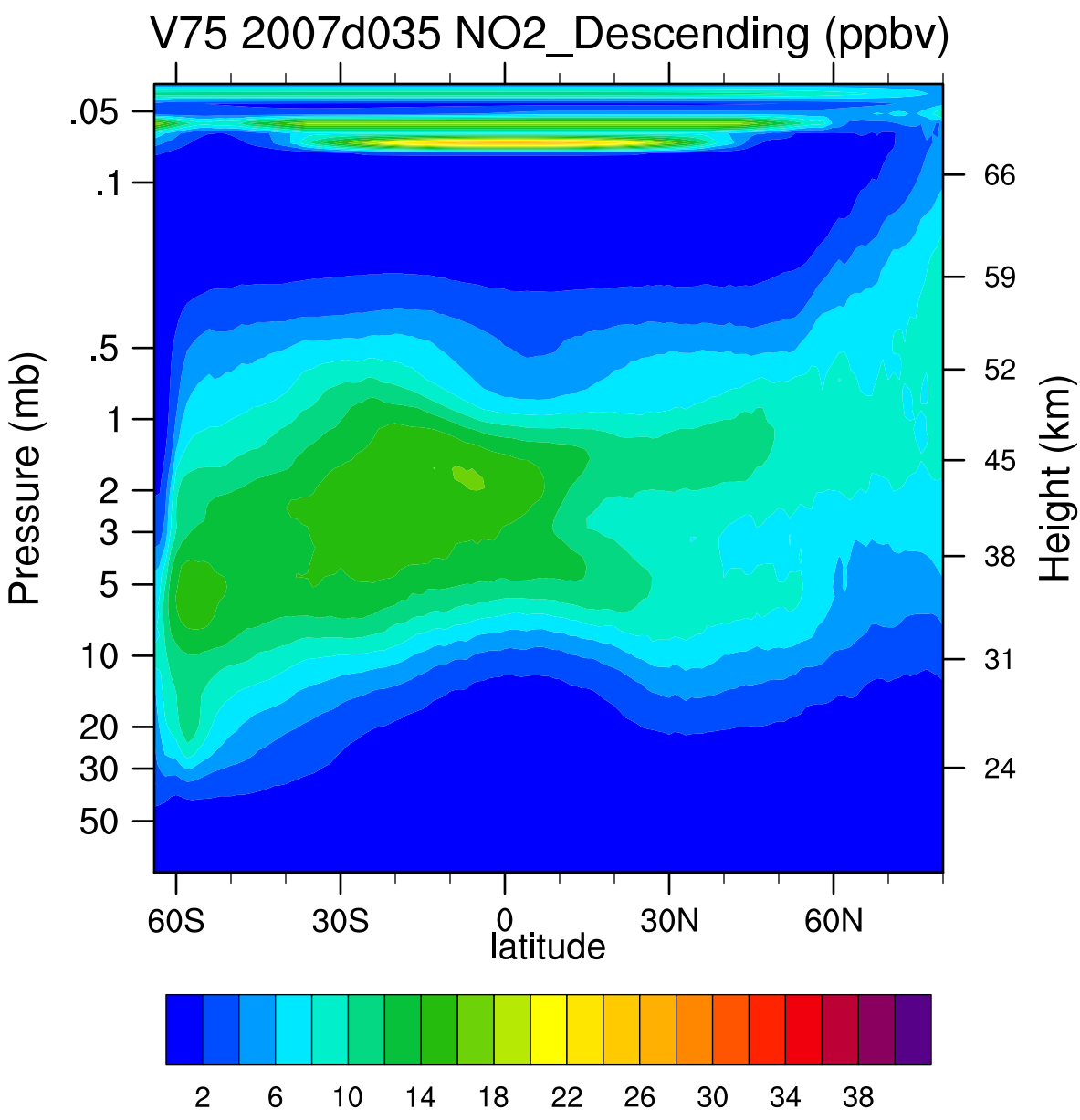
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5
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30
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Height (km)
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59
52
45
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30S
0
30N
60N
latitude
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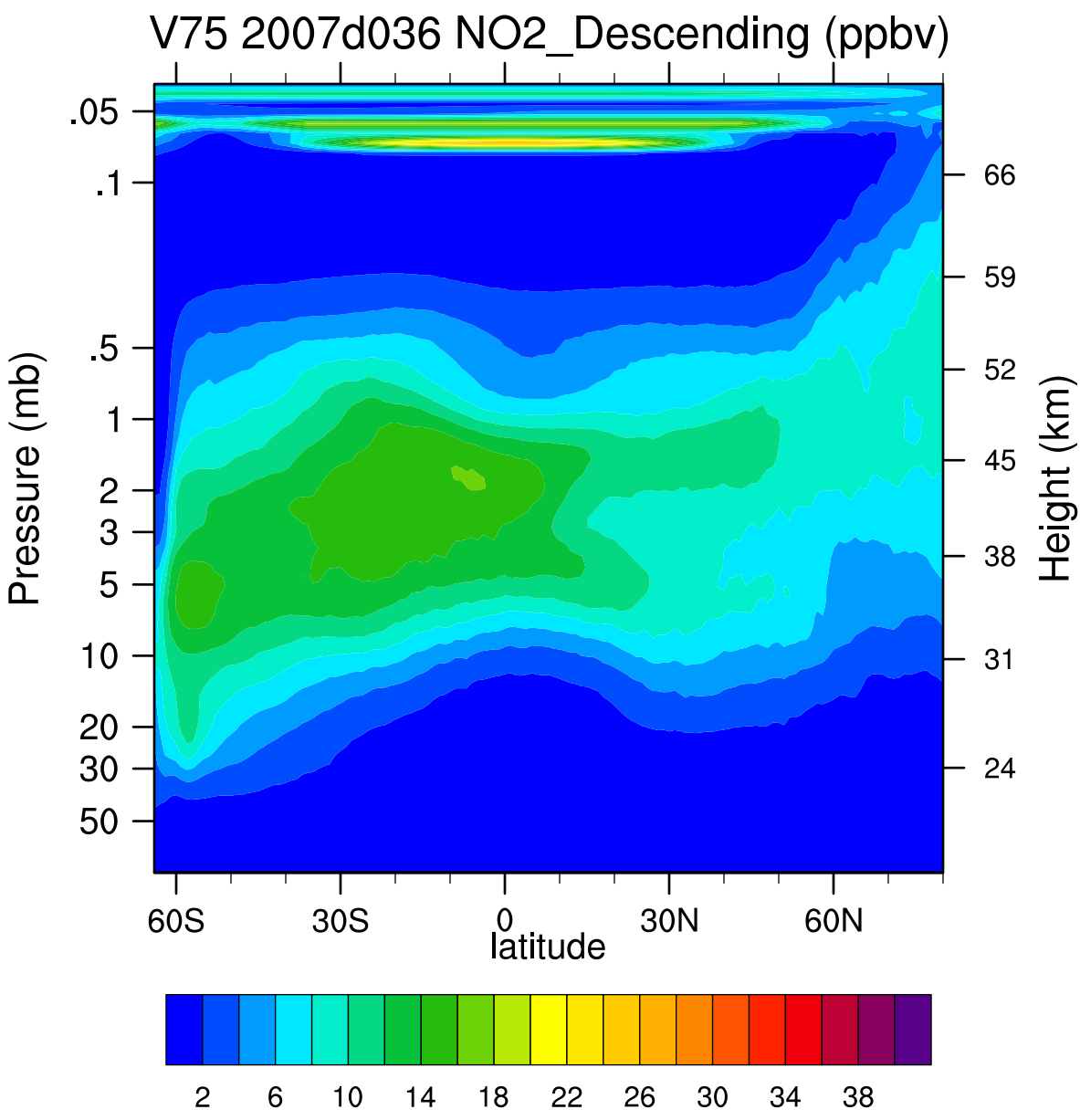
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Height (km)
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59
52
45
38
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24
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30S
0
30N
60N
latitude
2
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26
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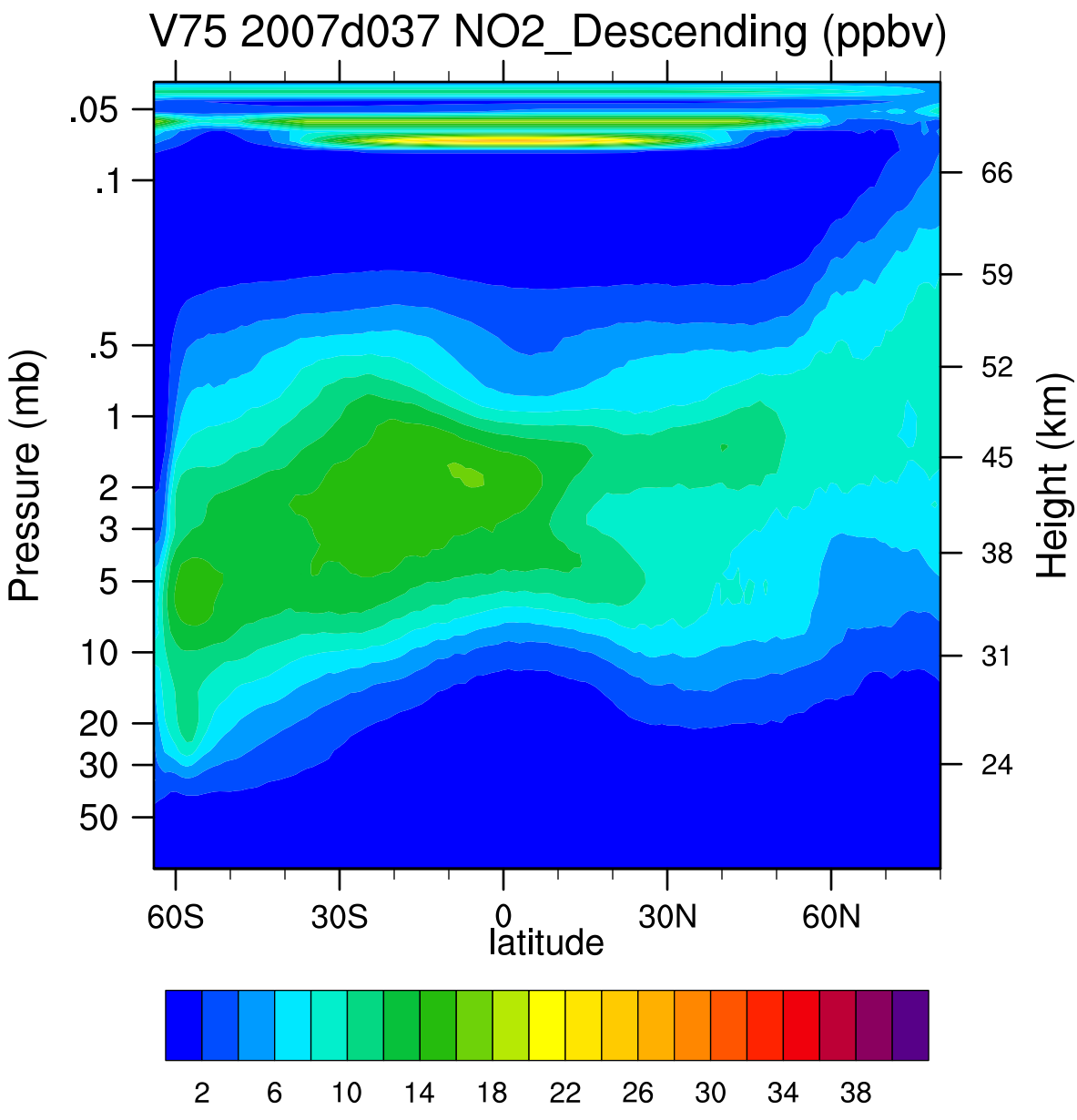
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Height (km)
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59
52
45
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30S
0
30N
60N
latitude
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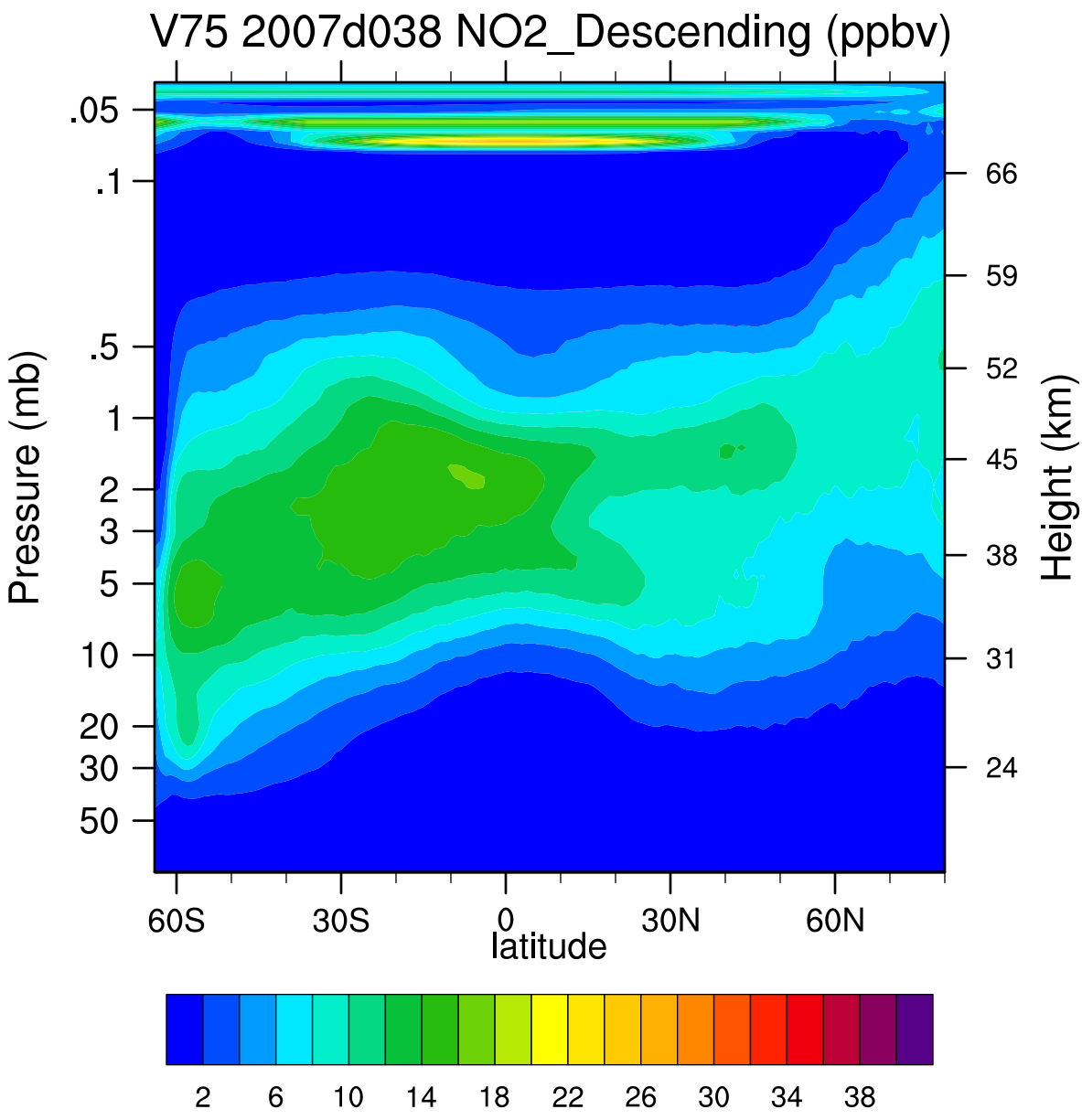
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5
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Height (km)
66
59
52
45
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24
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30S
0
30N
60N
latitude
2
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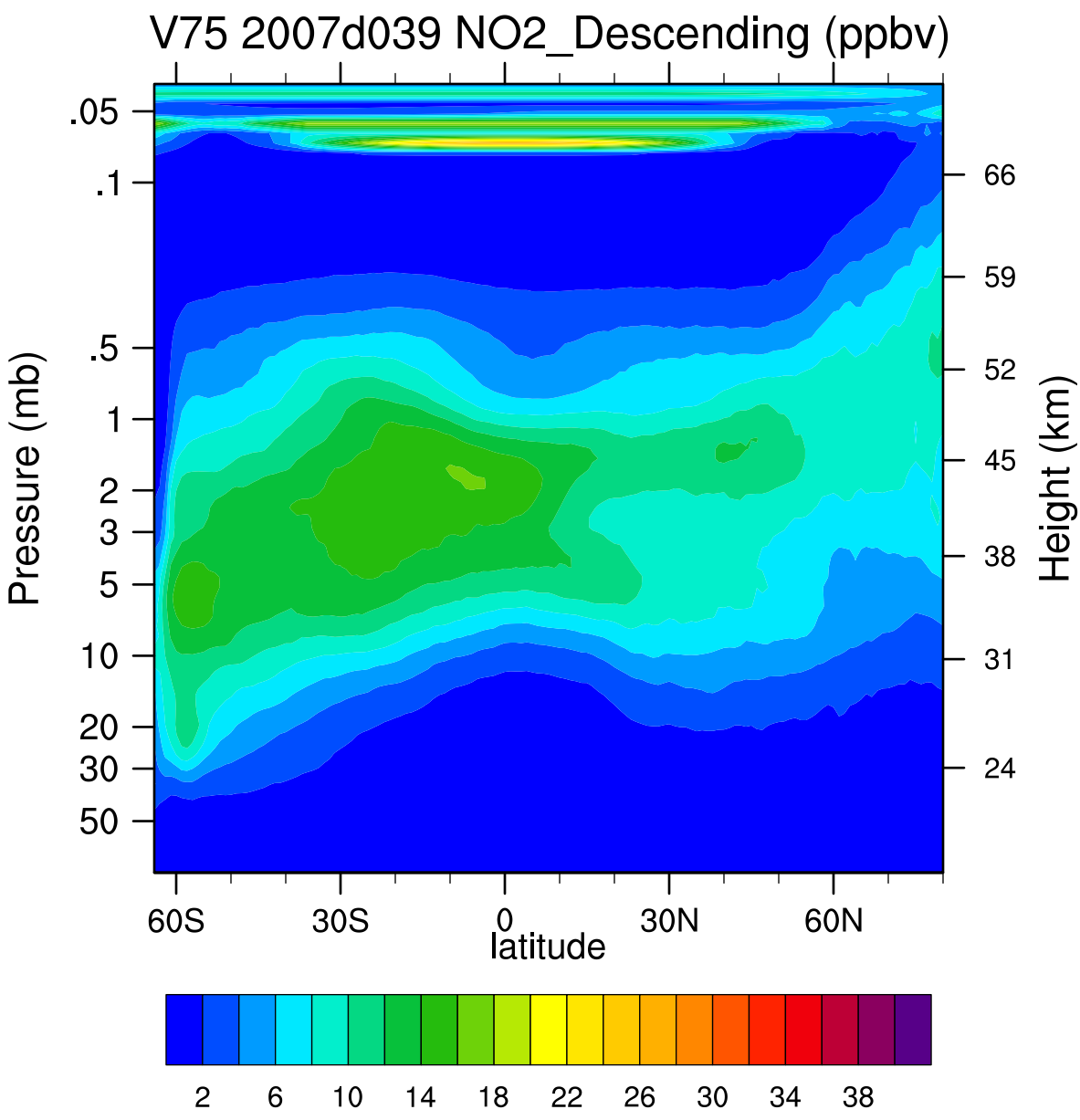
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Height (km)
66
59
52
45
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30S
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60N
latitude
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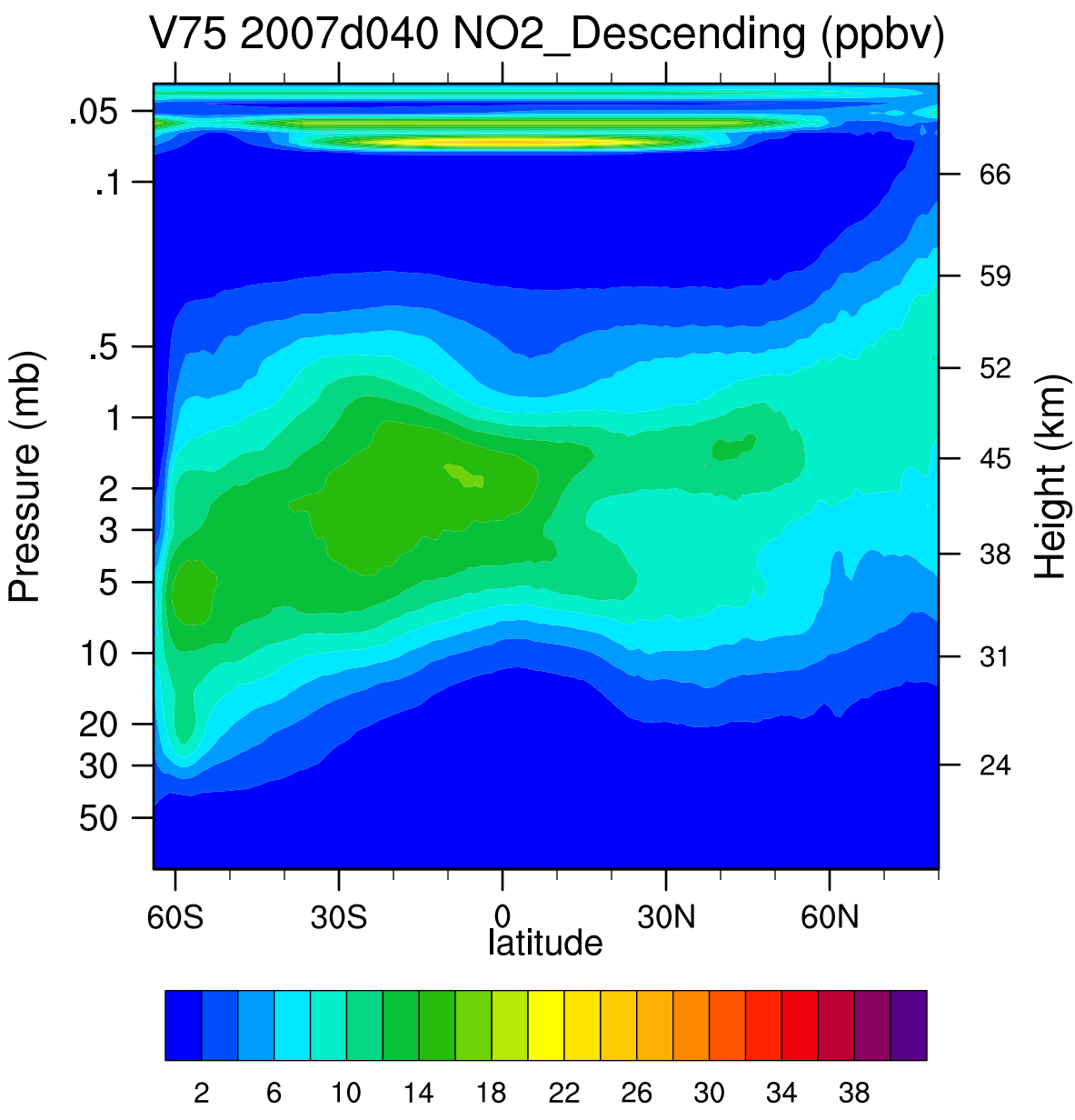
V75 2007d040 NO2_Descending (ppbv)
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Height (km)
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59
52
45
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30S
0
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60N
latitude
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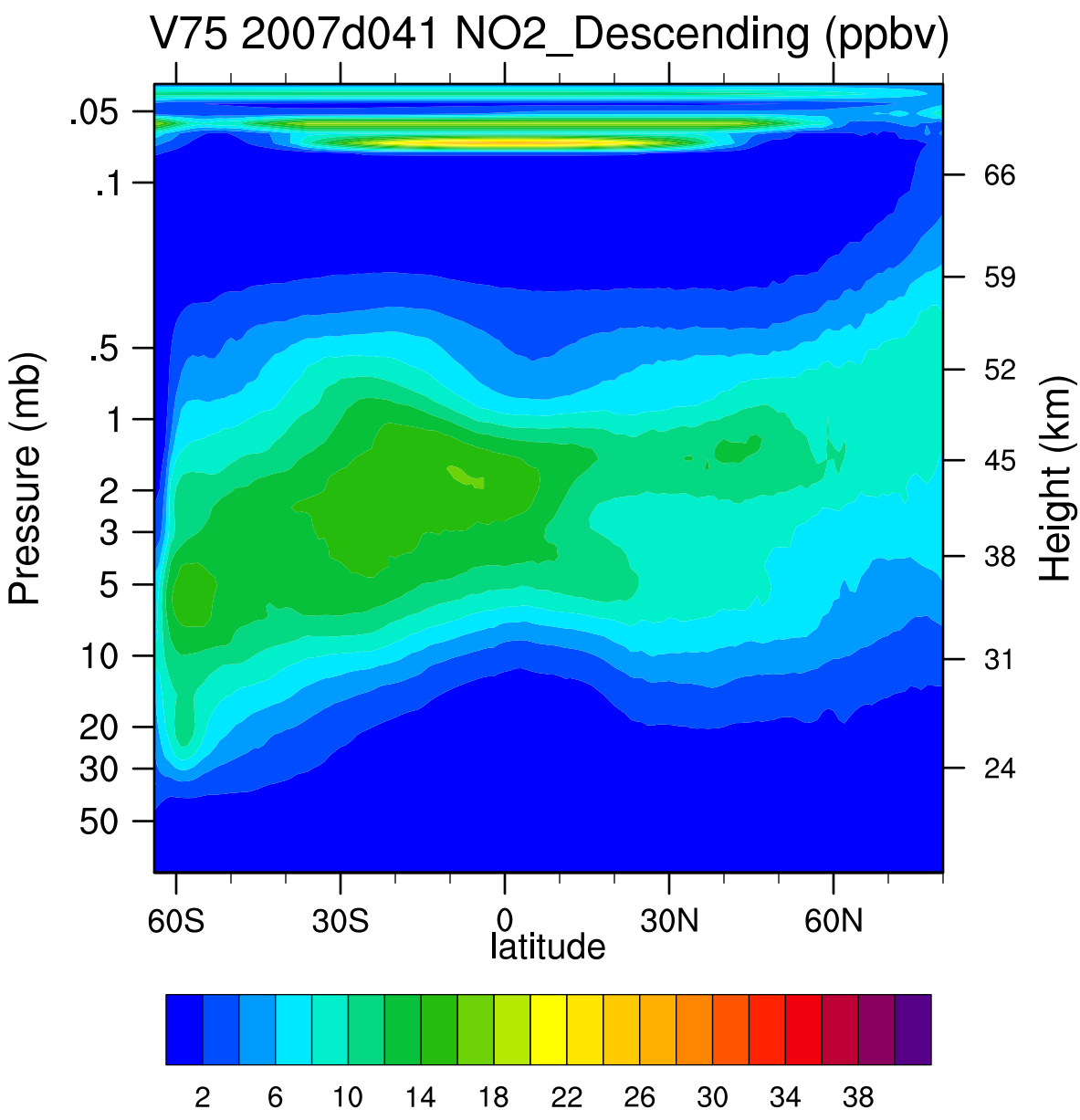
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Height (km)
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59
52
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30S
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60N
latitude
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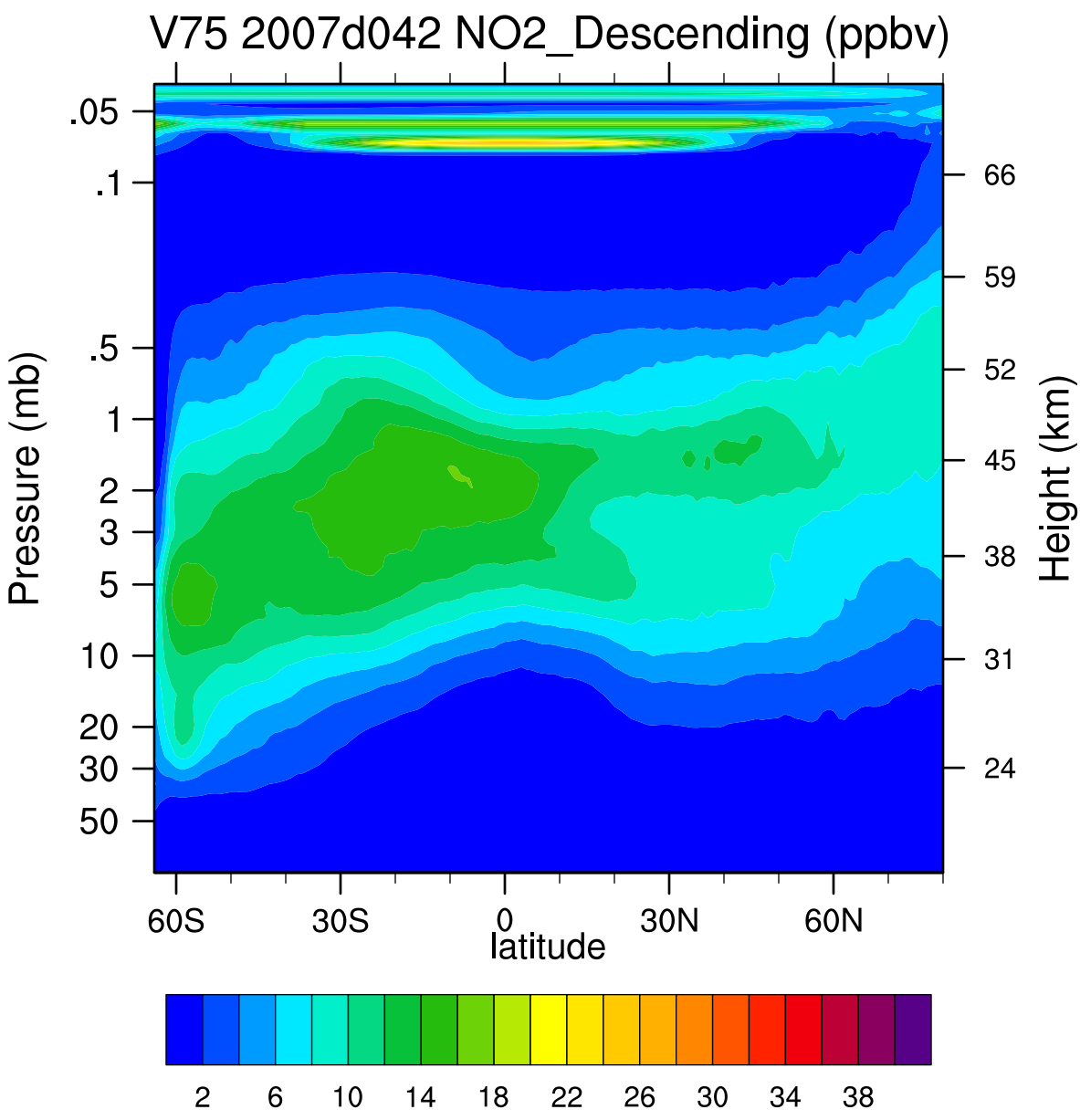
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Height (km)
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59
52
45
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30S
0
30N
60N
latitude
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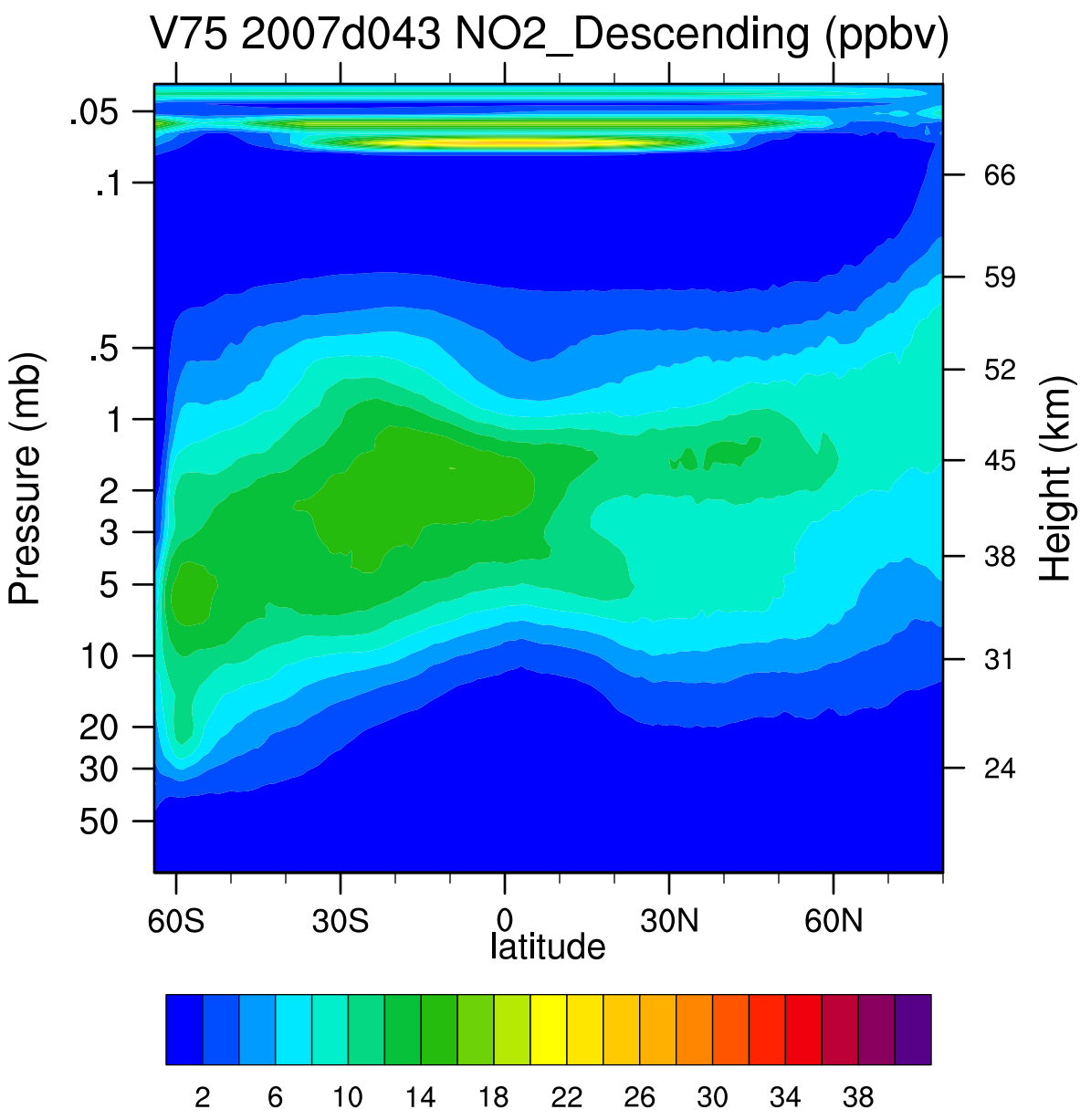
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Height (km)
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59
52
45
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30S
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30N
60N
latitude
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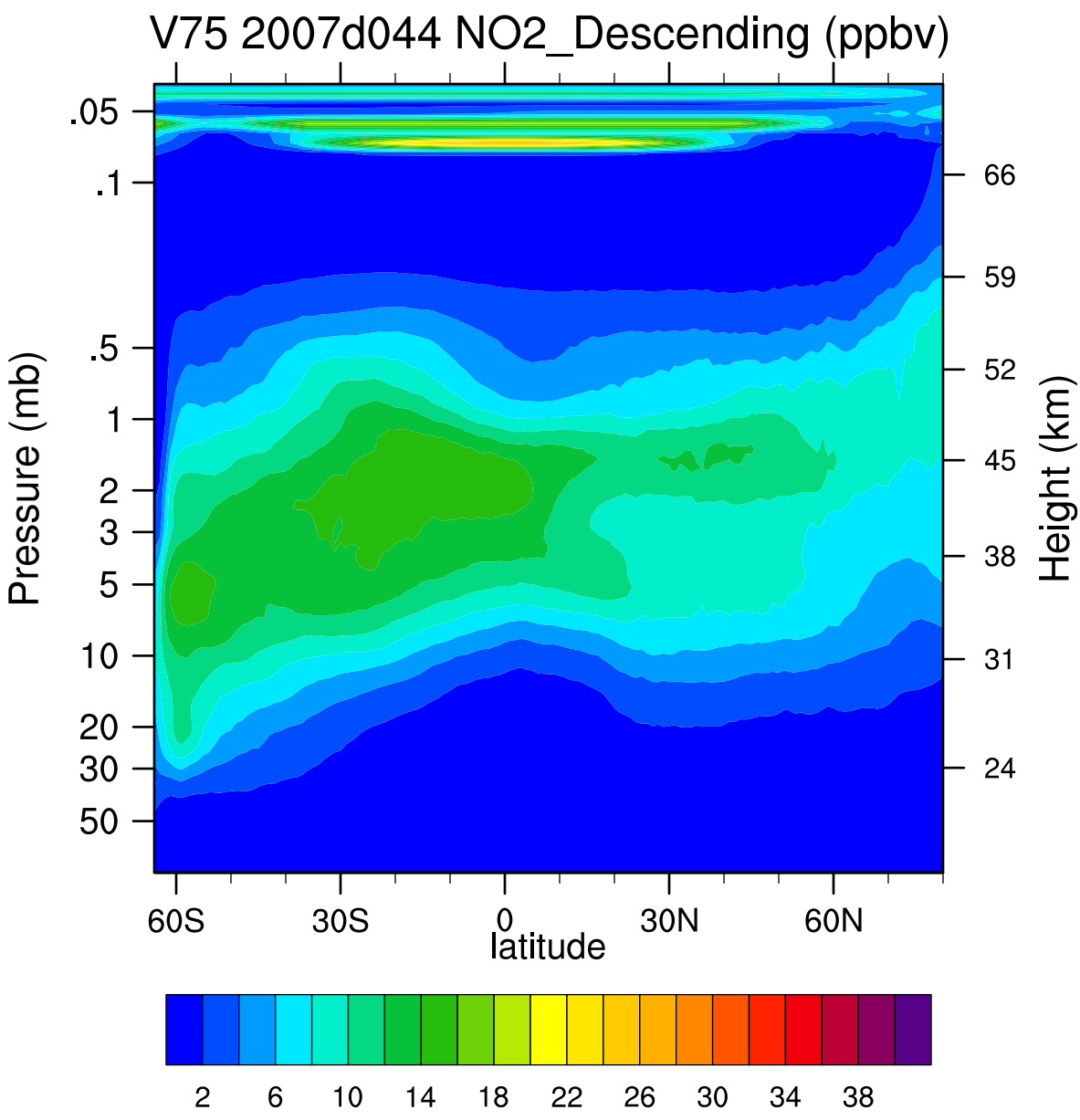
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Height (km)
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52
45
38
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24
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30S
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30N
60N
latitude
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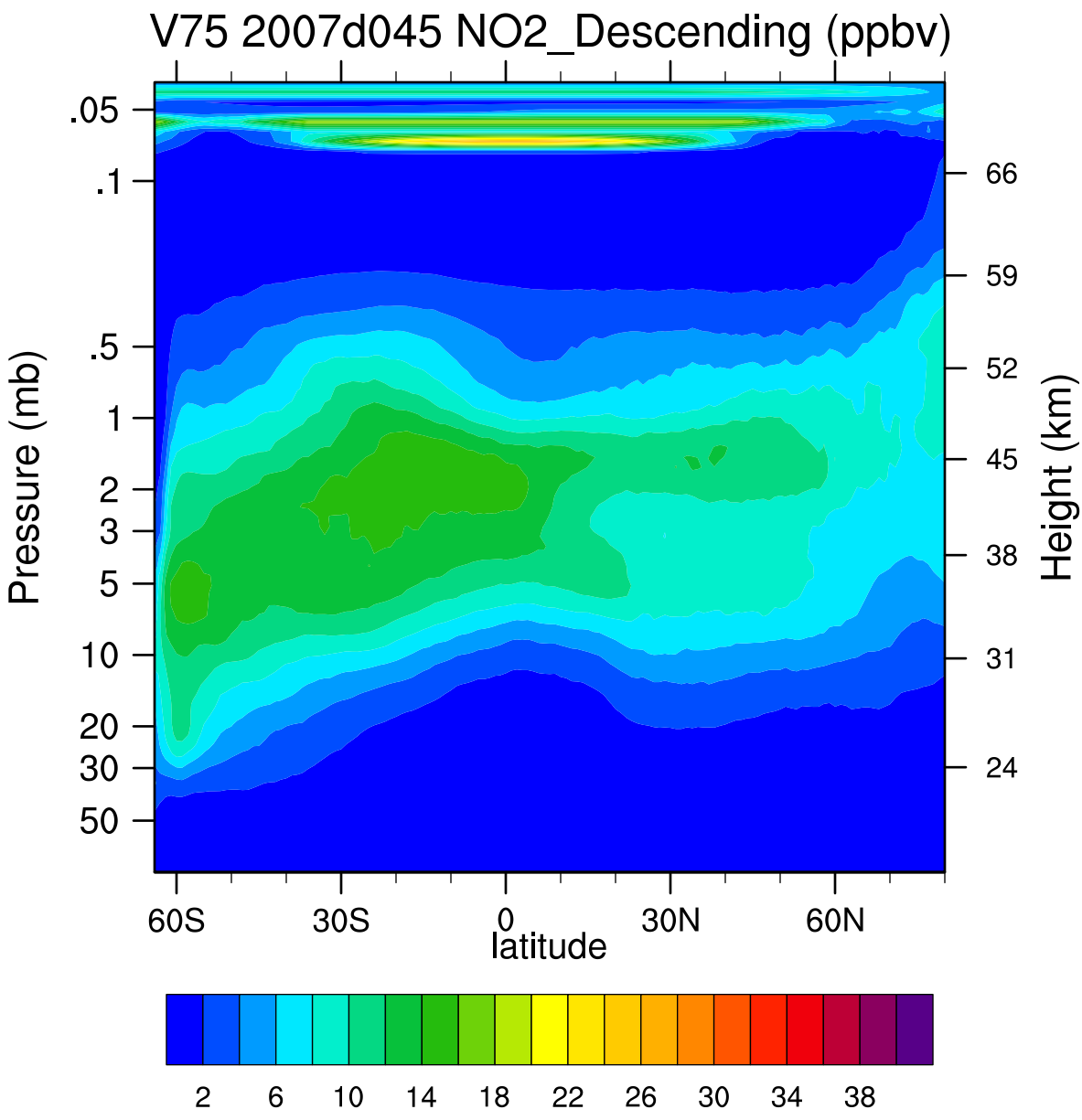
V75 2007d045 NO2_Descending (ppbv)
Pressure (mb)
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.5
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5
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30
50
Height (km)
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59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
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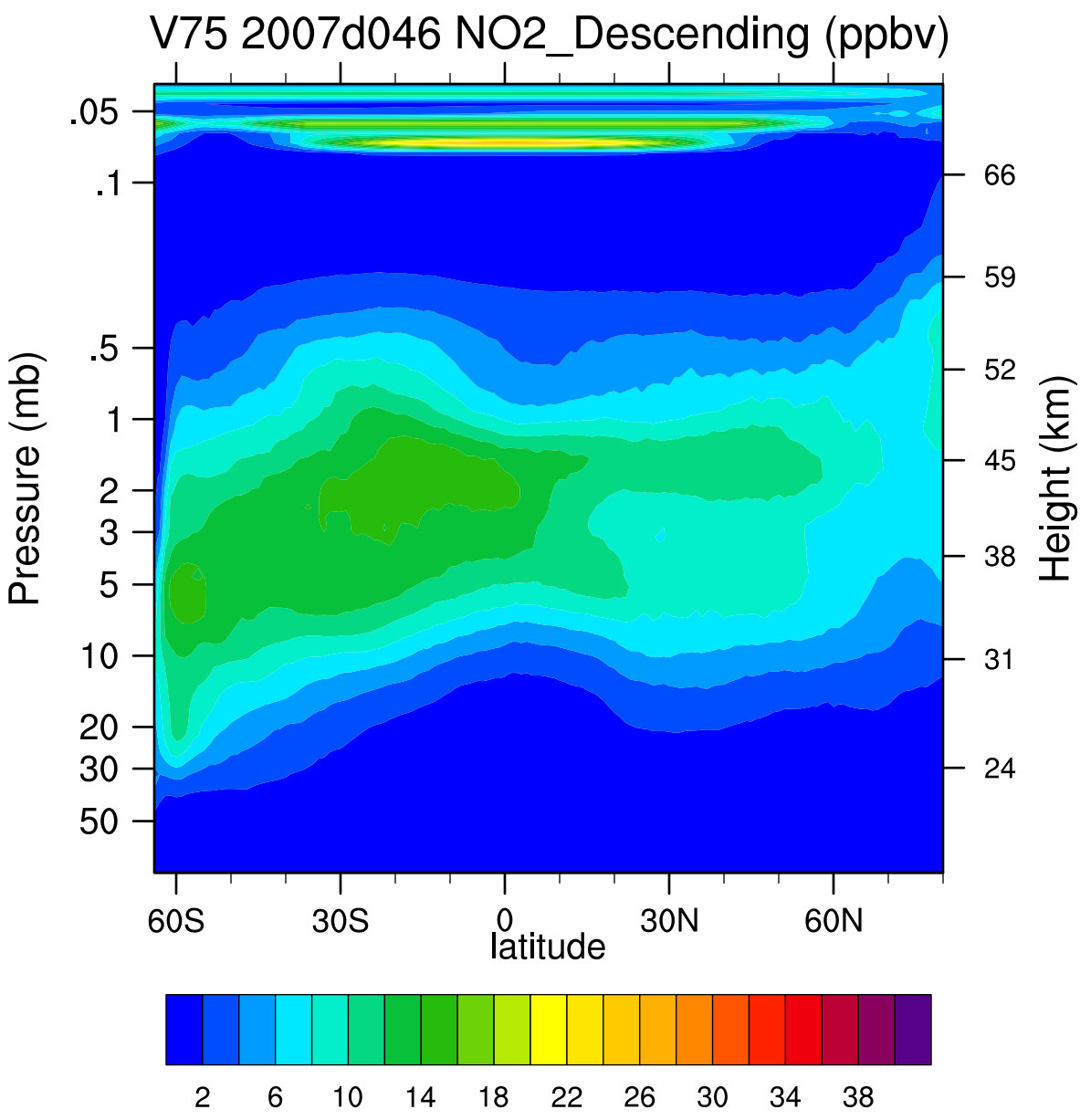
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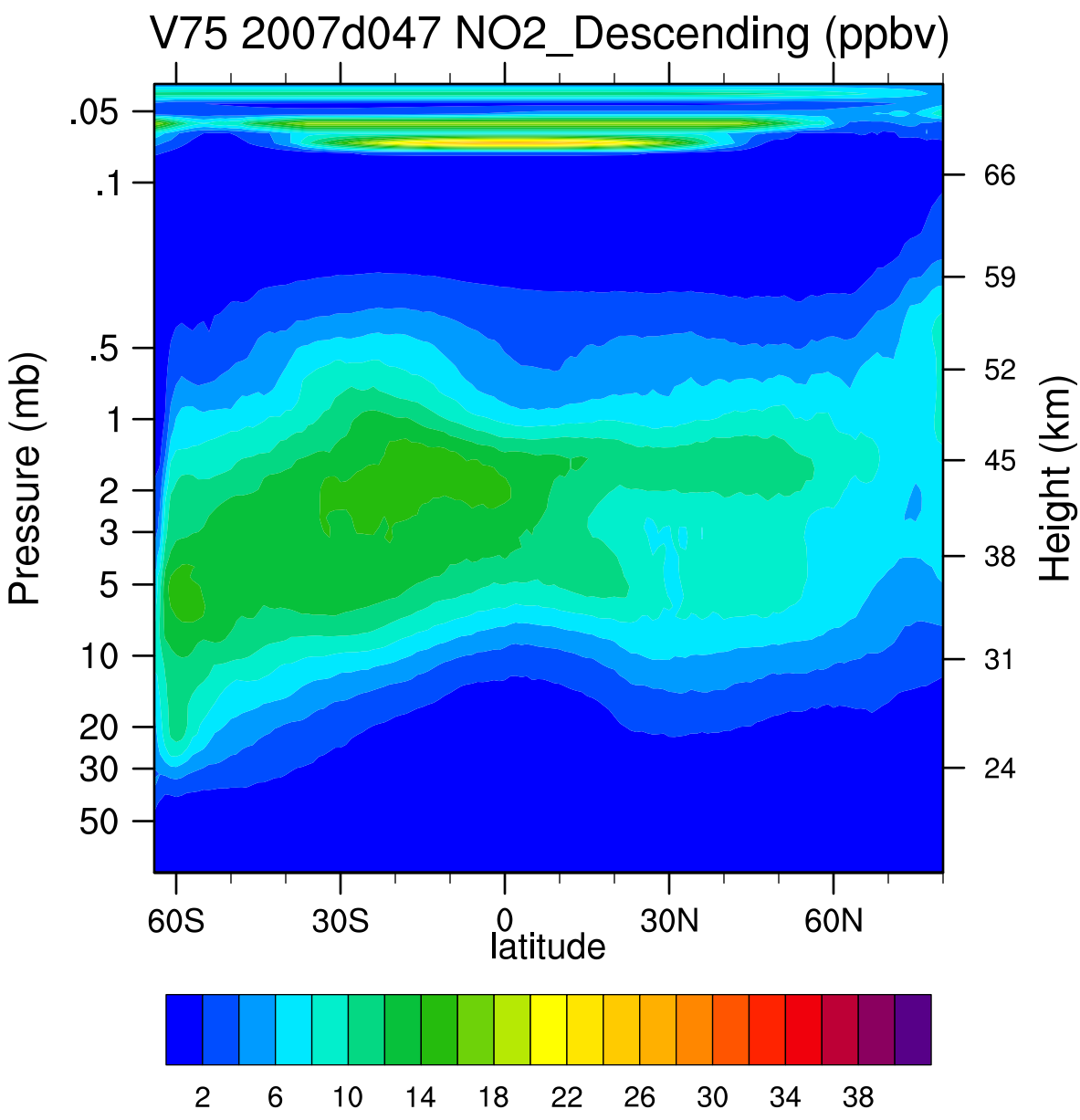
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Height (km)
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latitude
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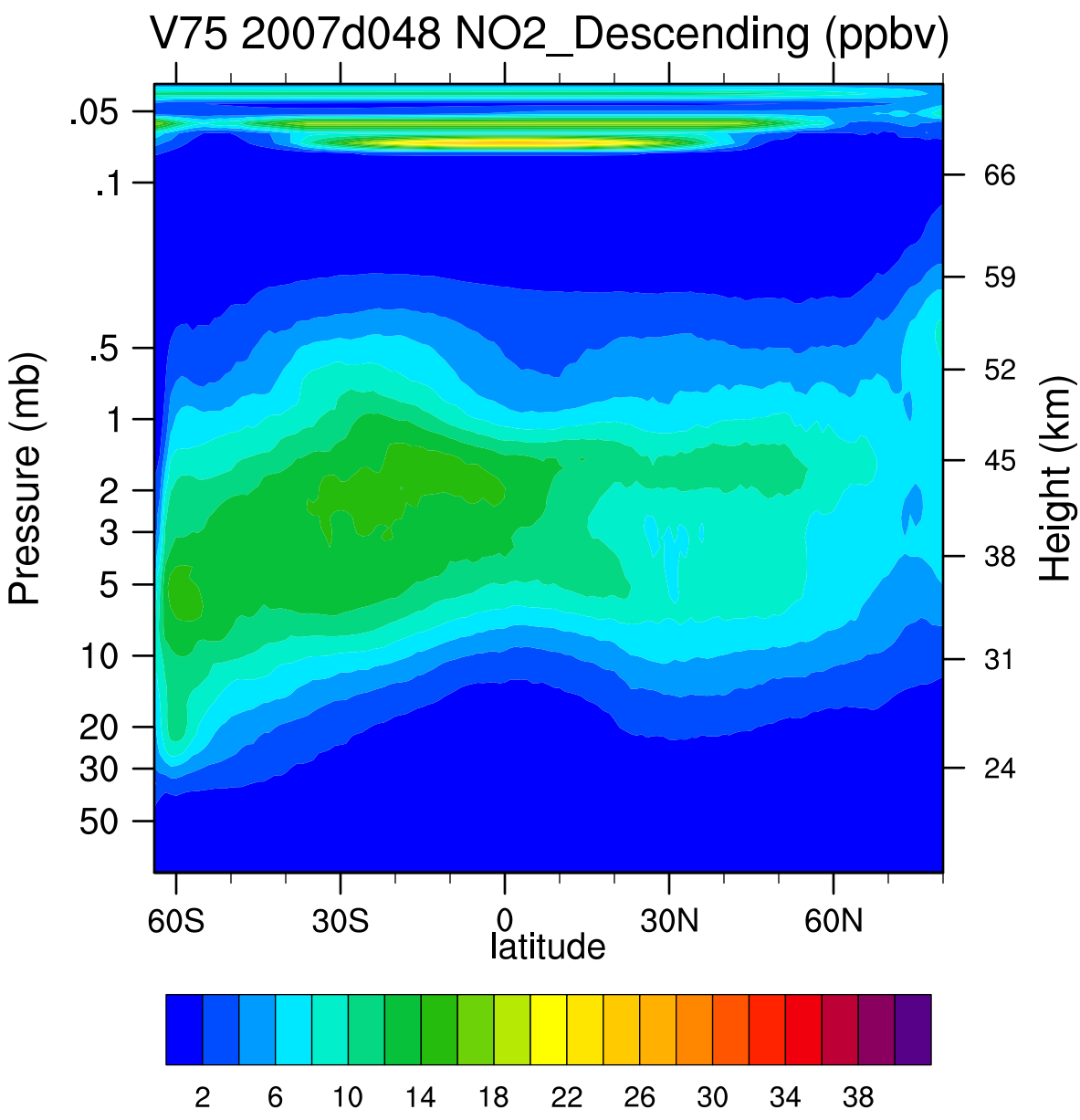
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latitude
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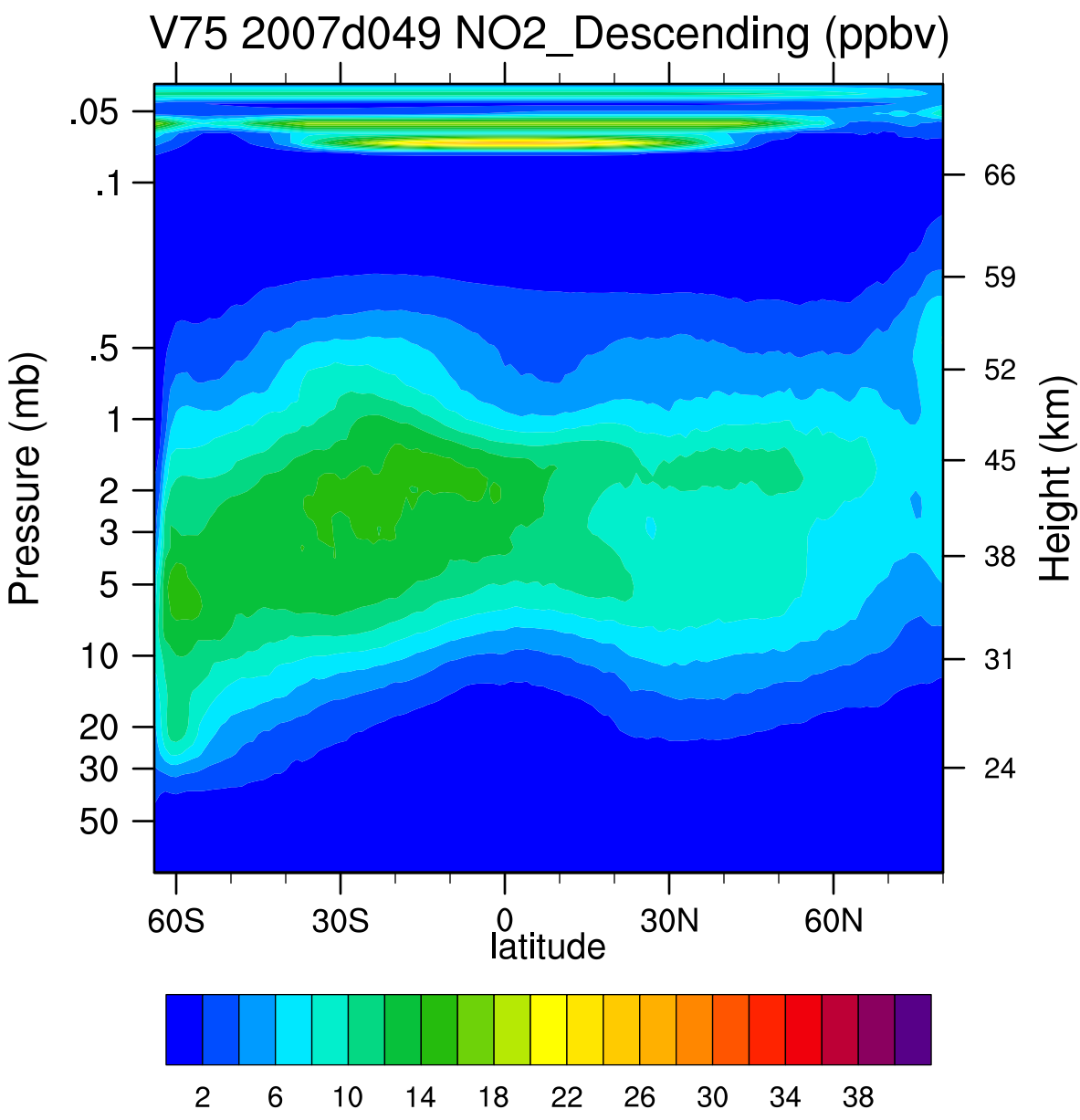
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latitude
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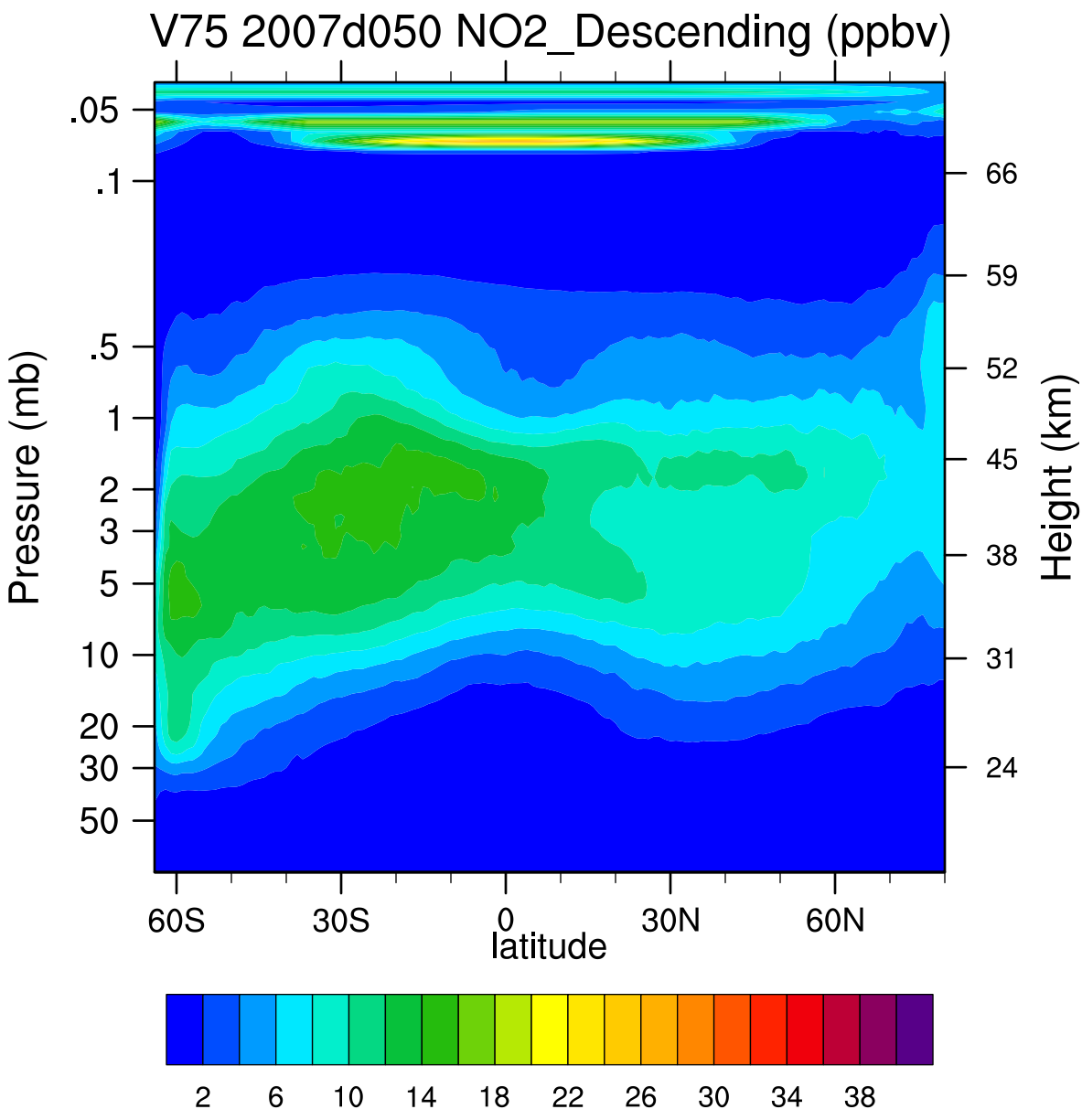
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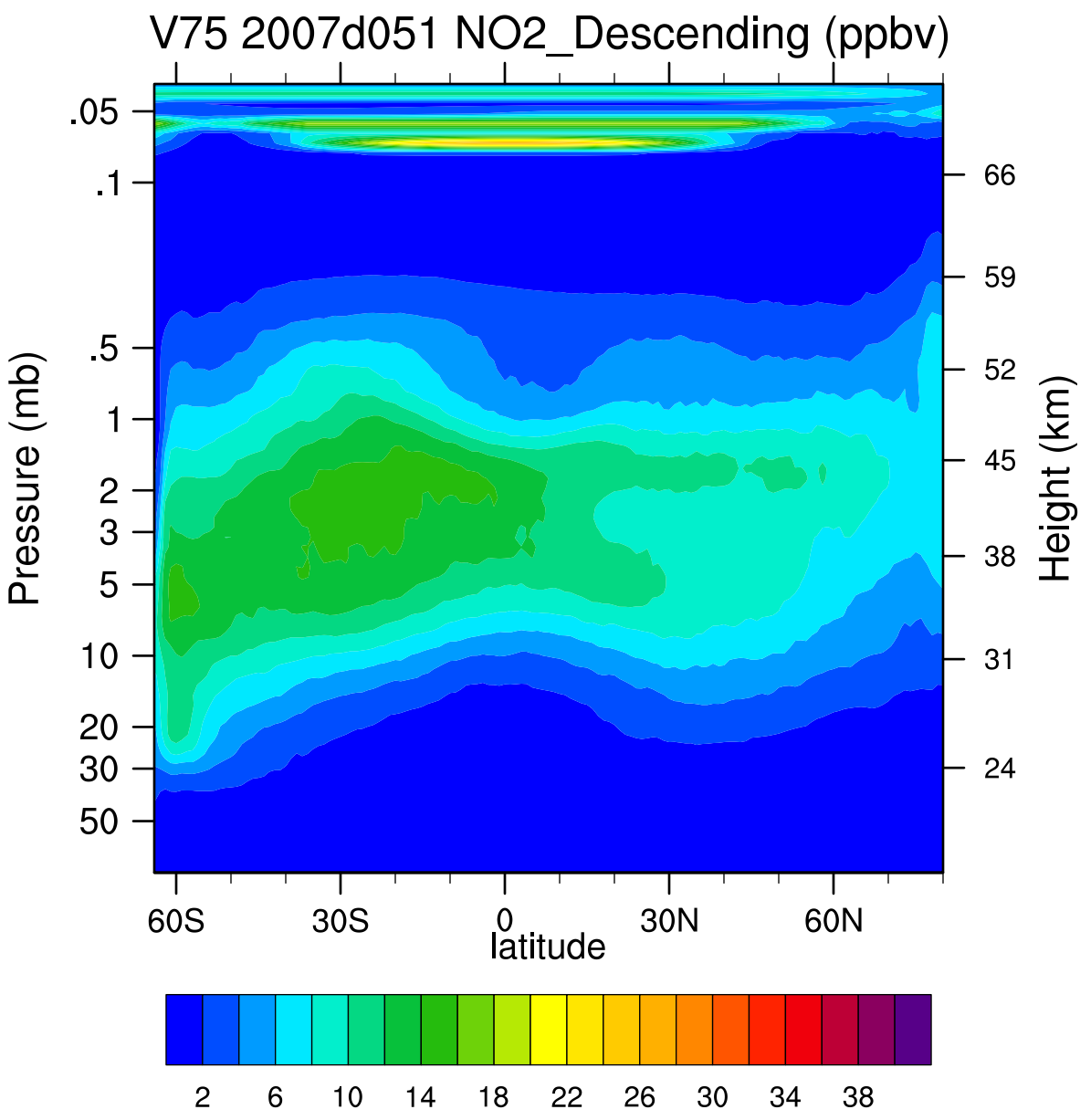
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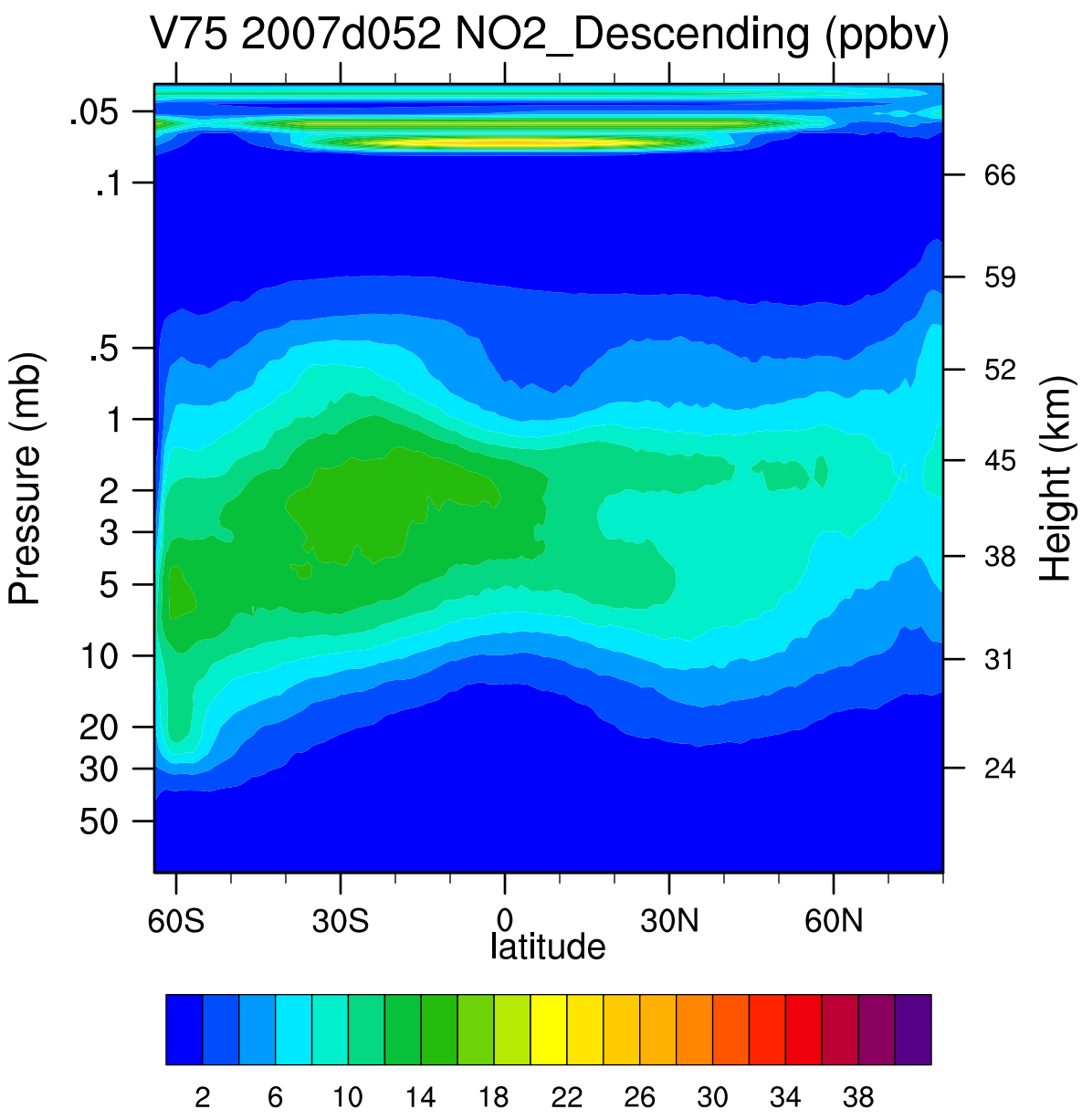
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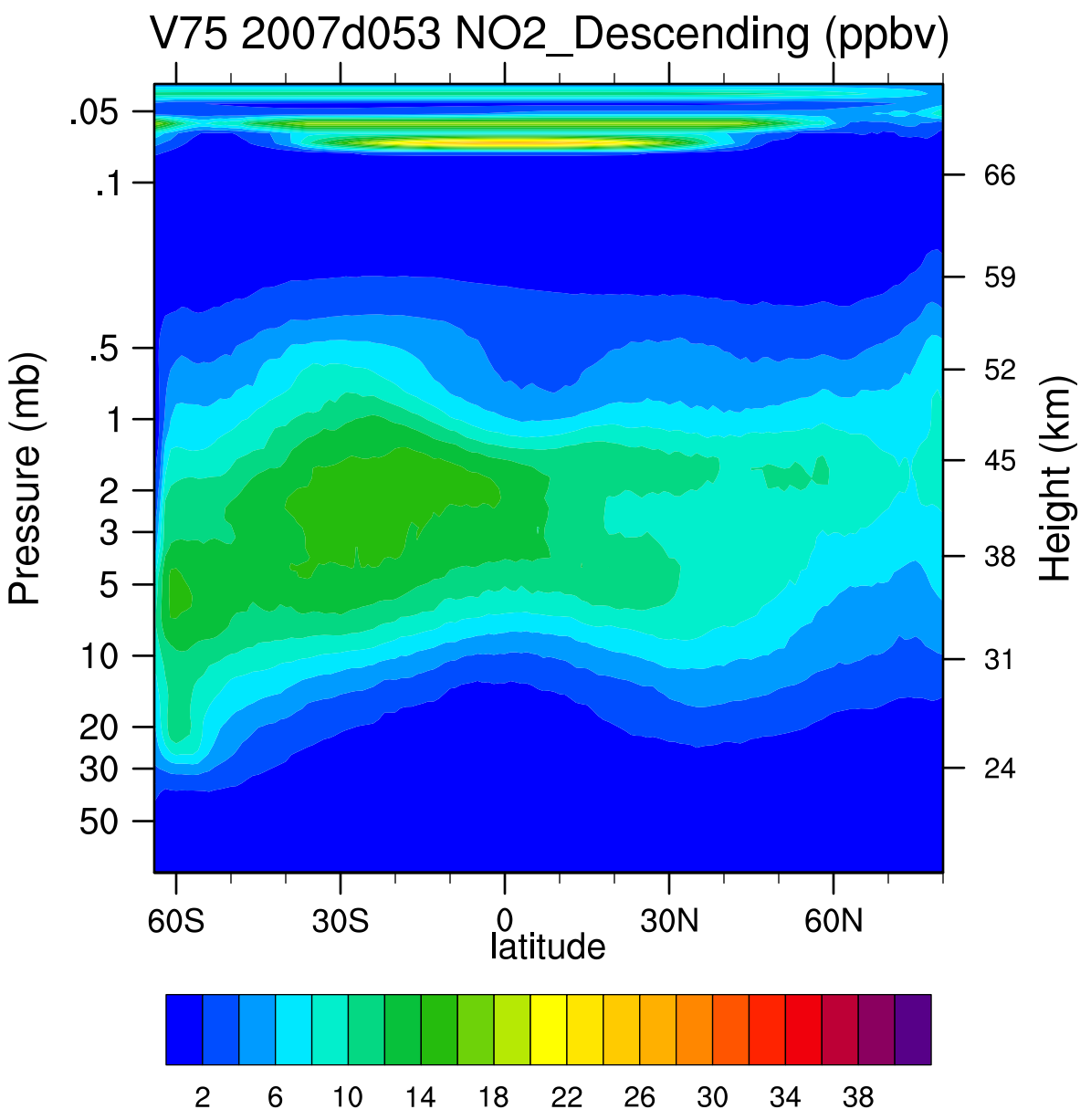
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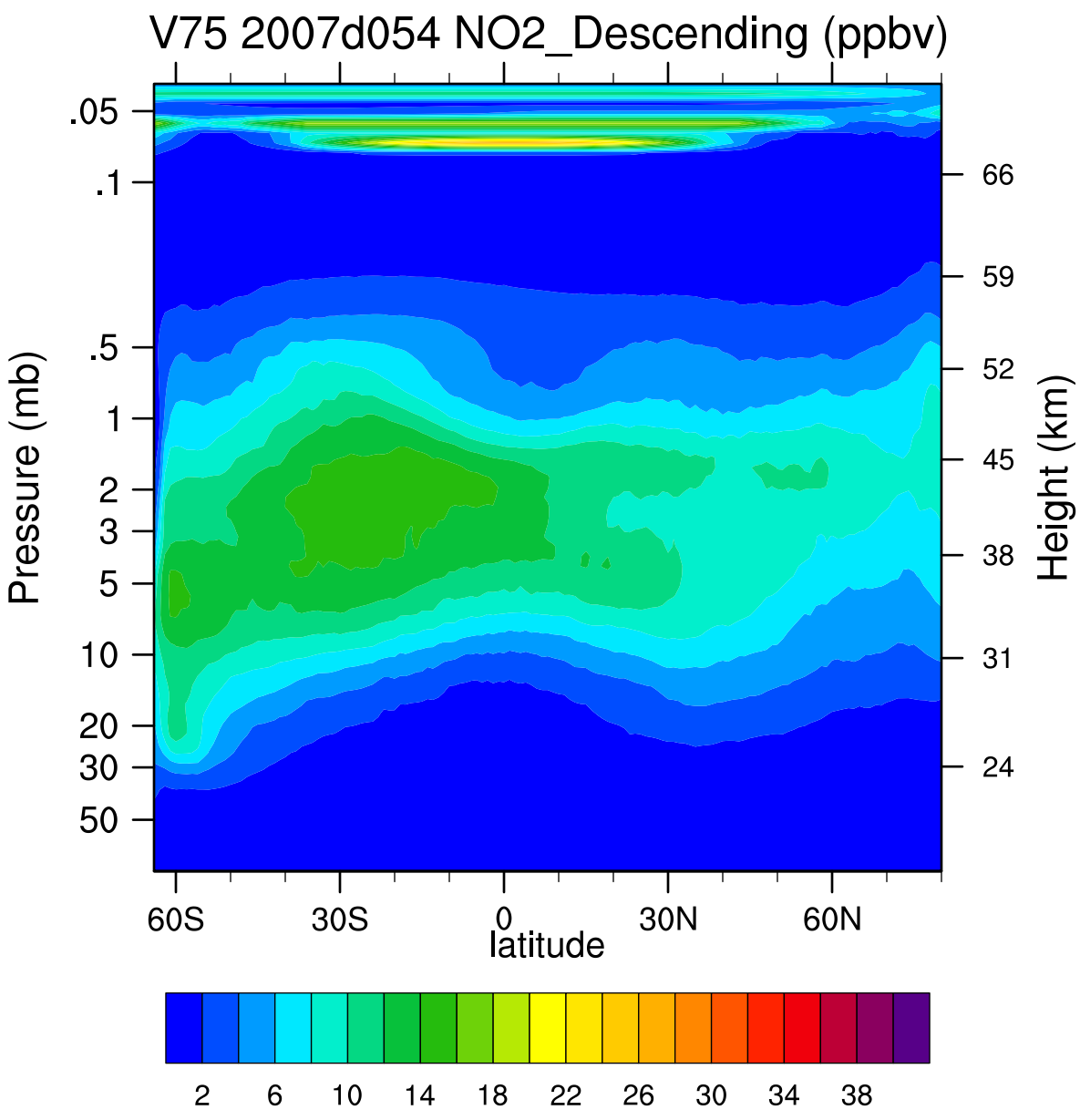
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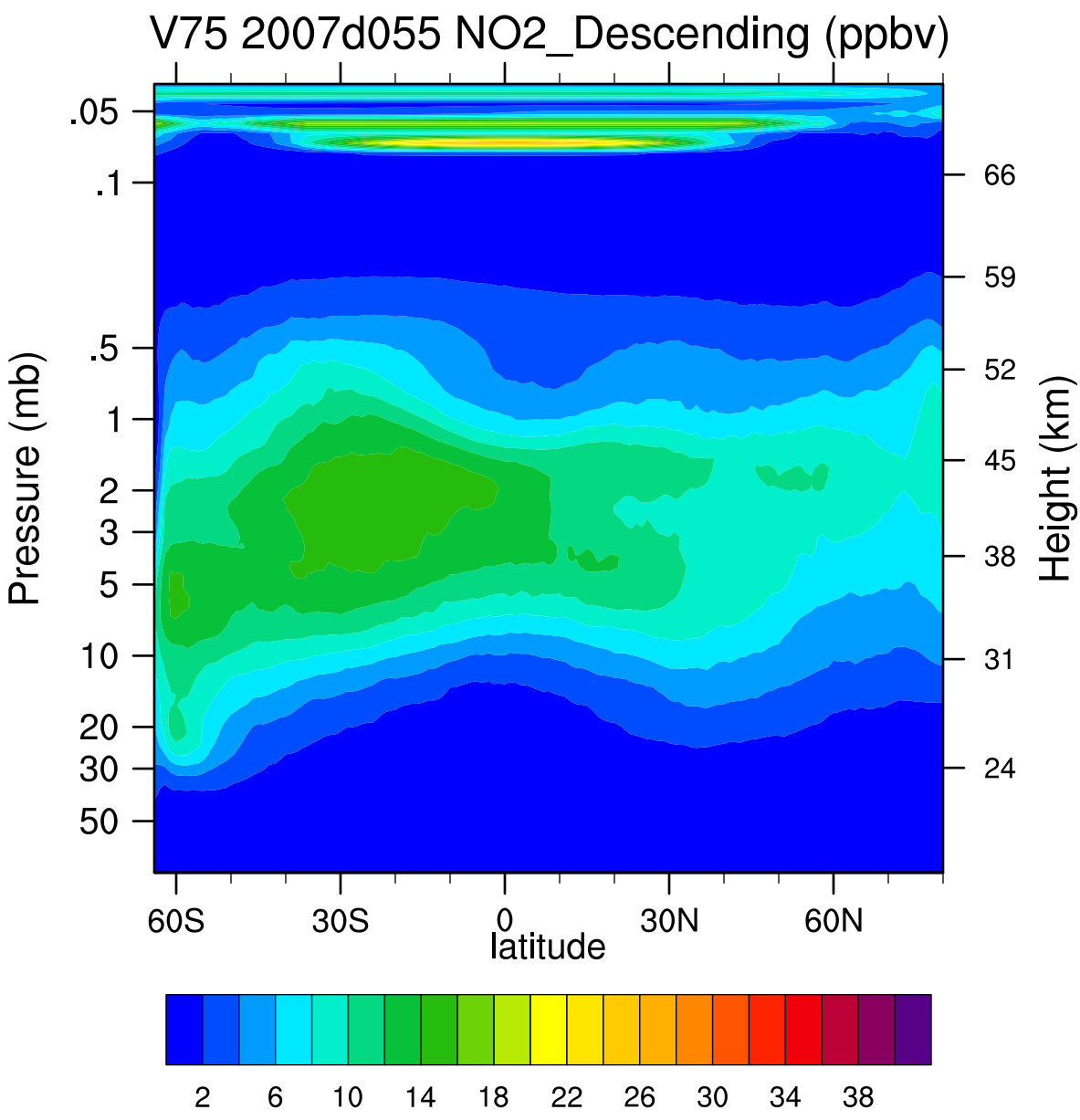
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latitude
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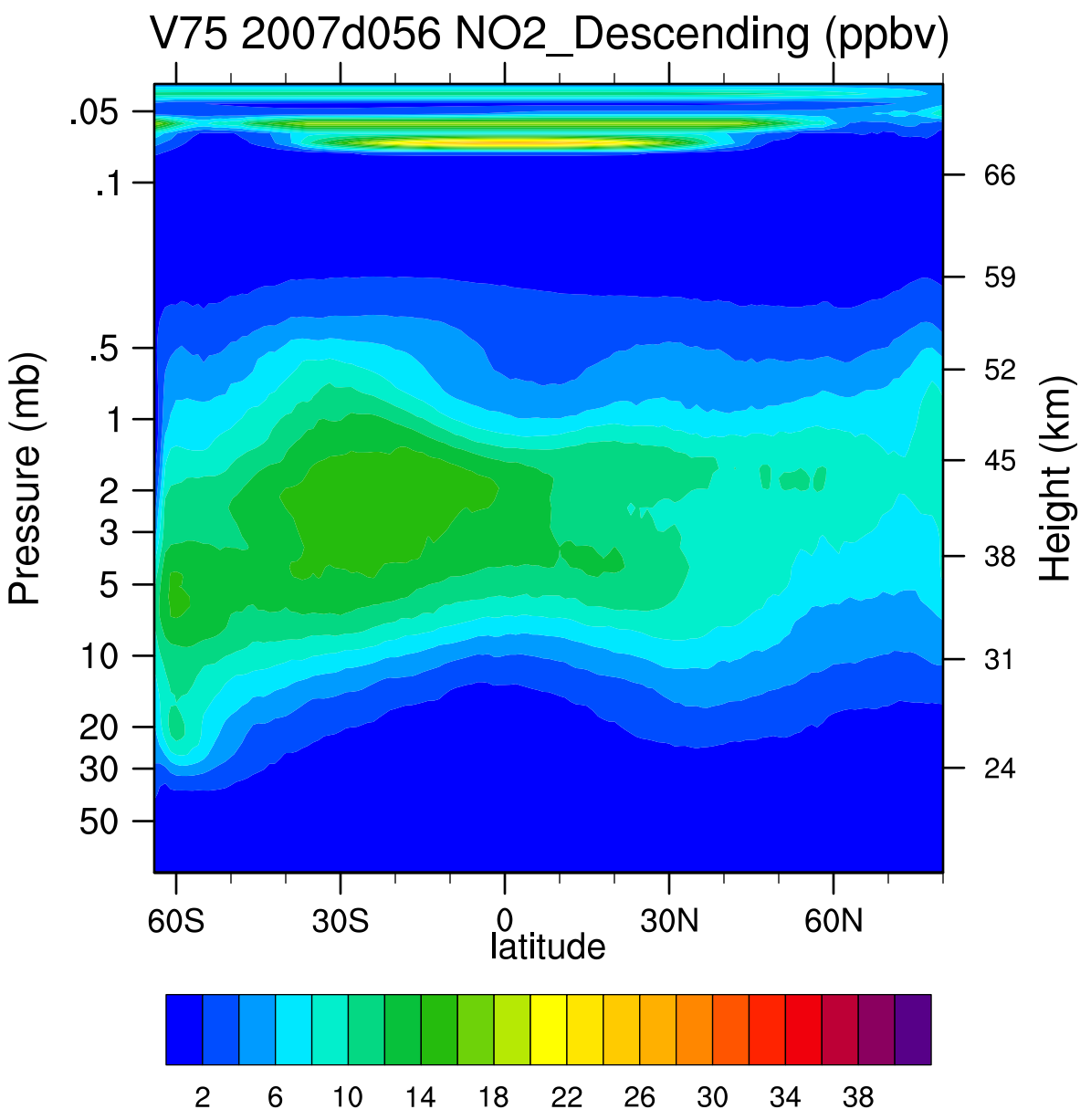
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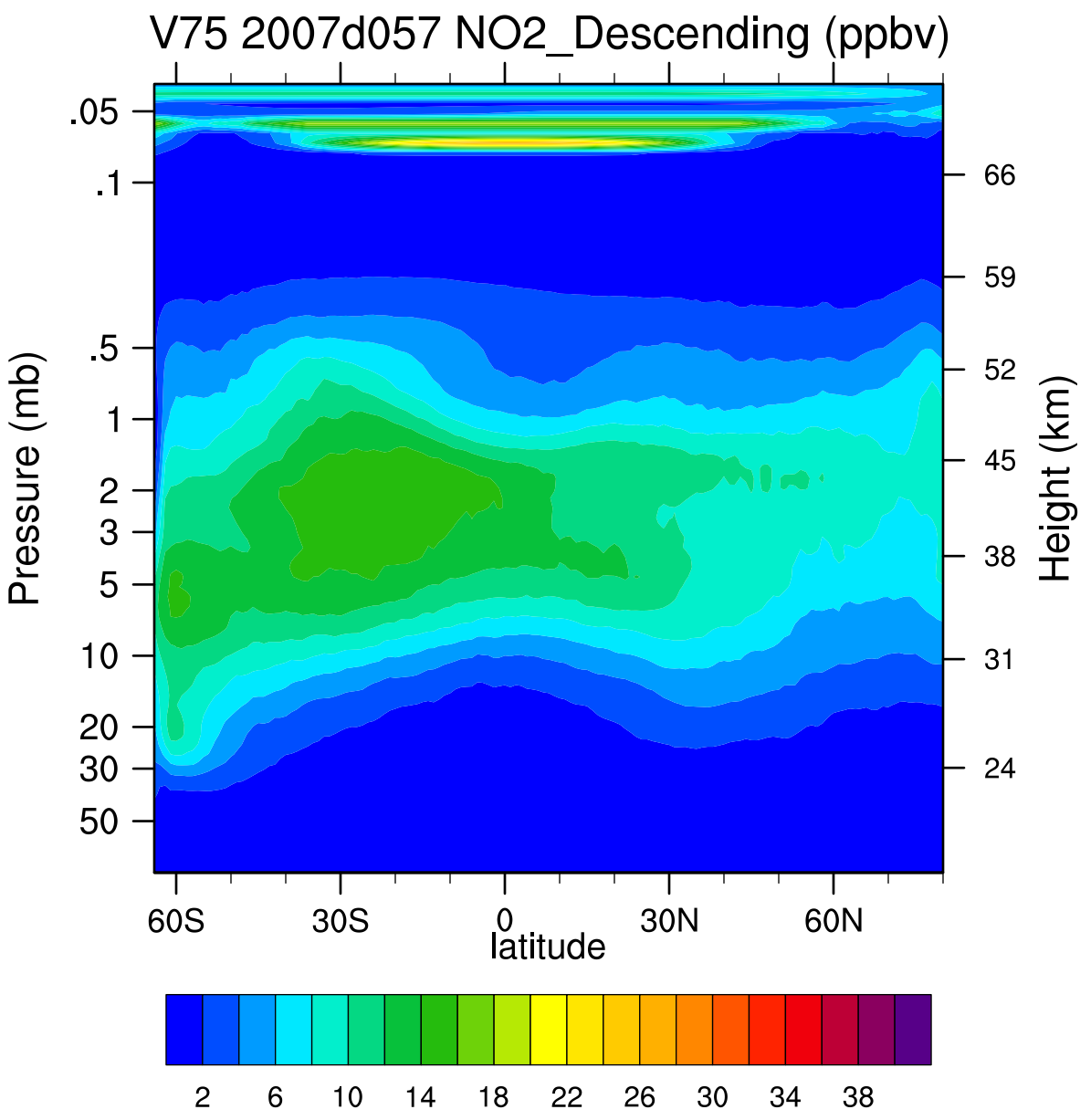
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Height (km)
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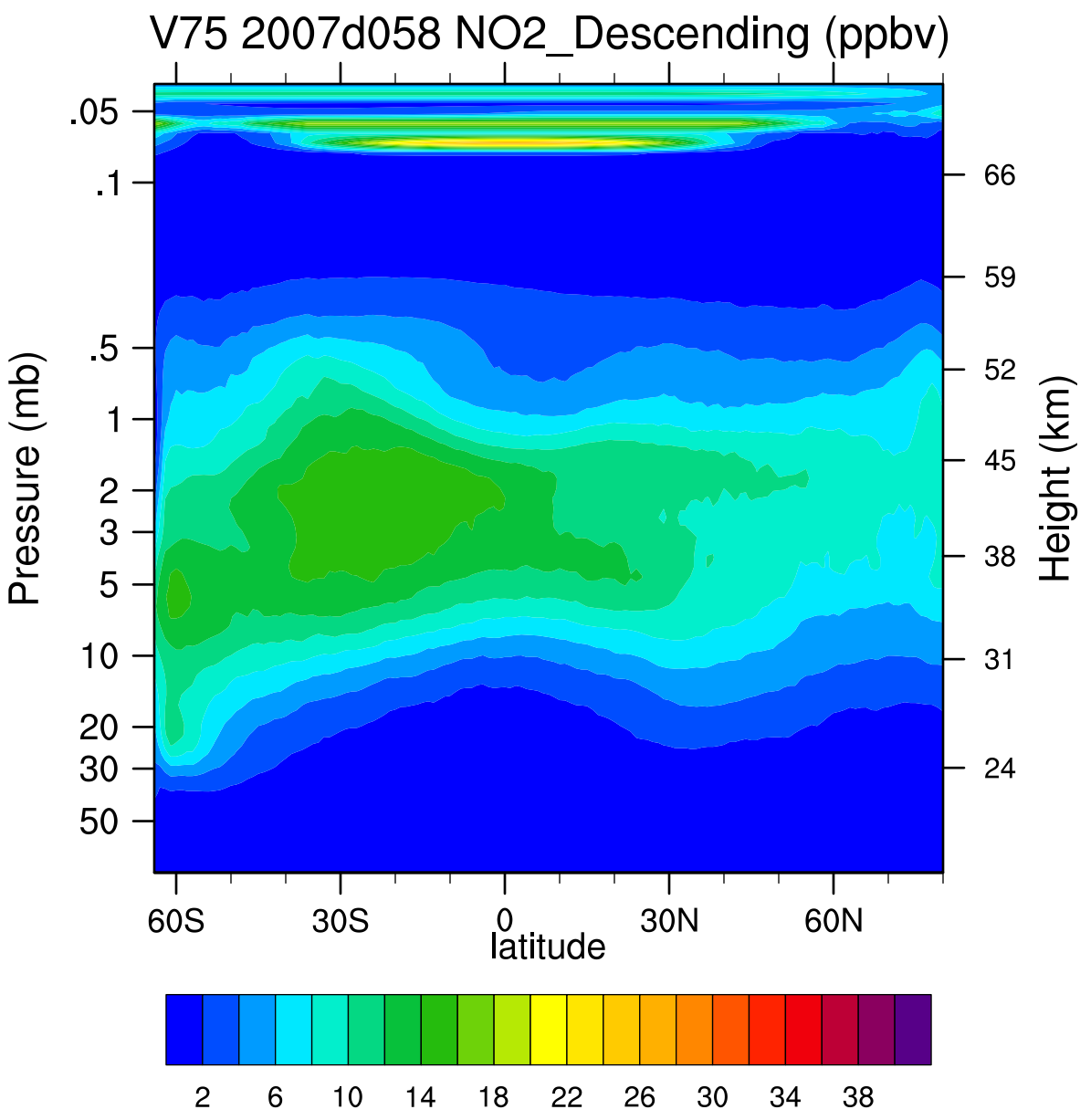
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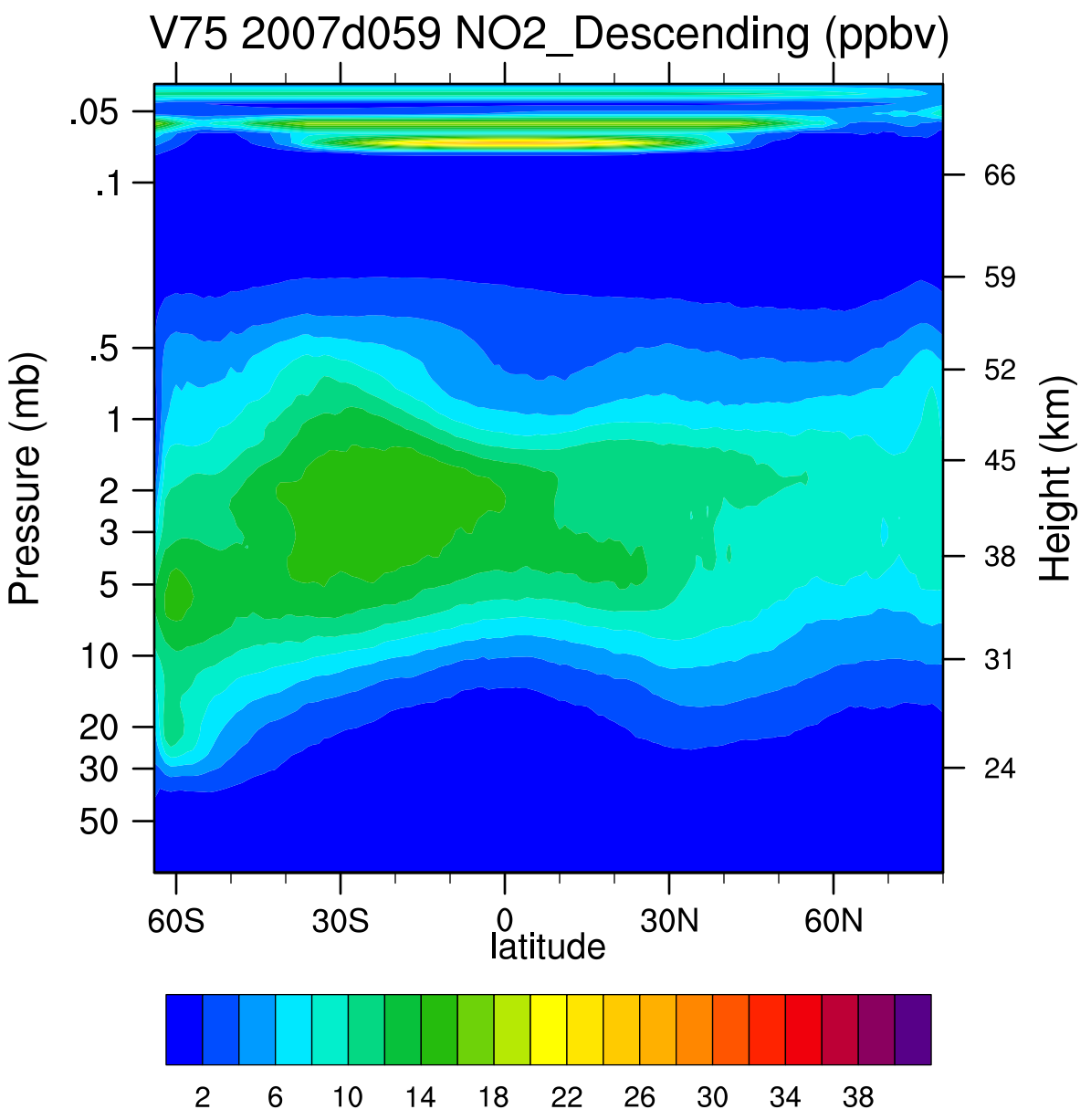
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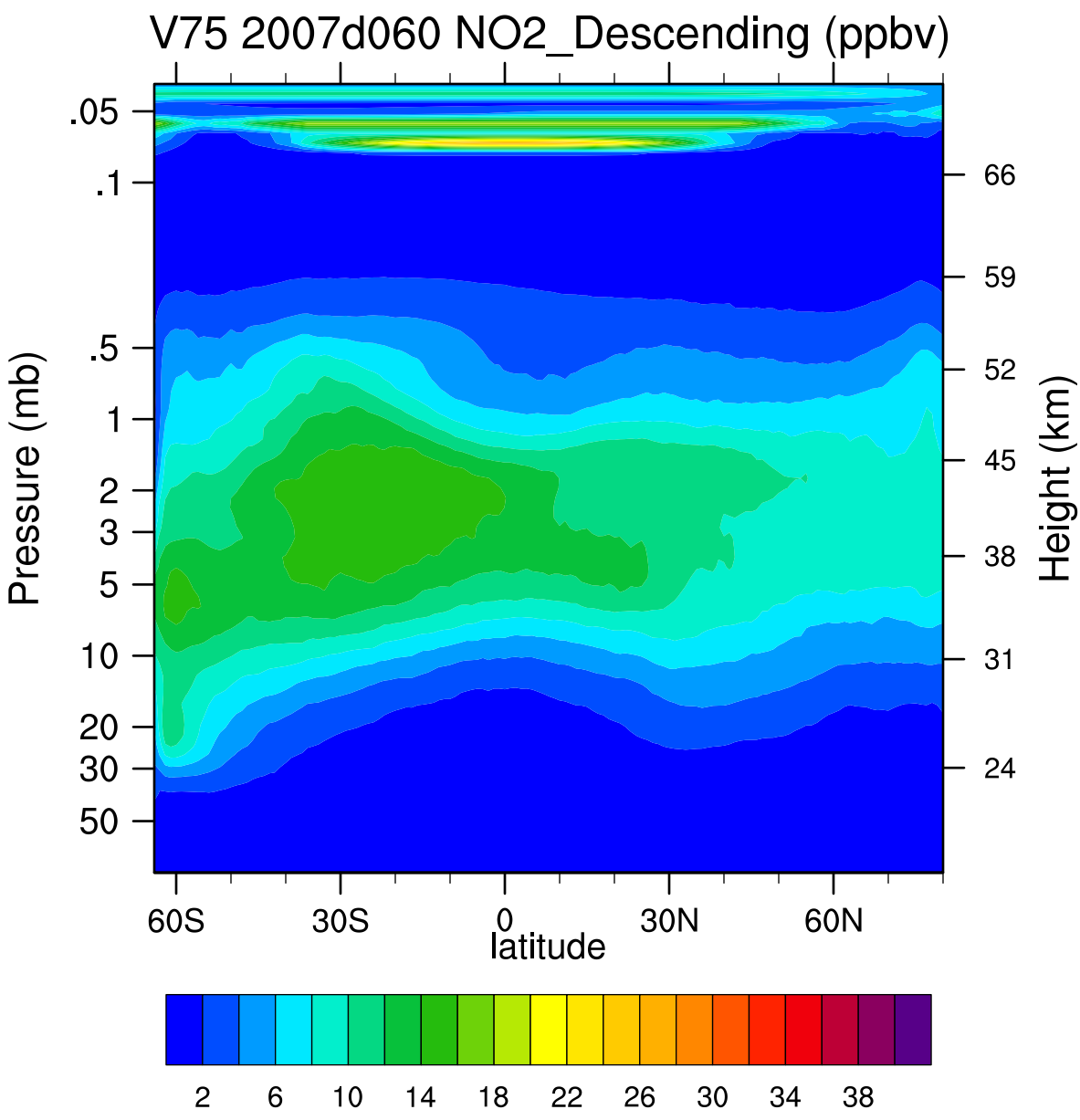
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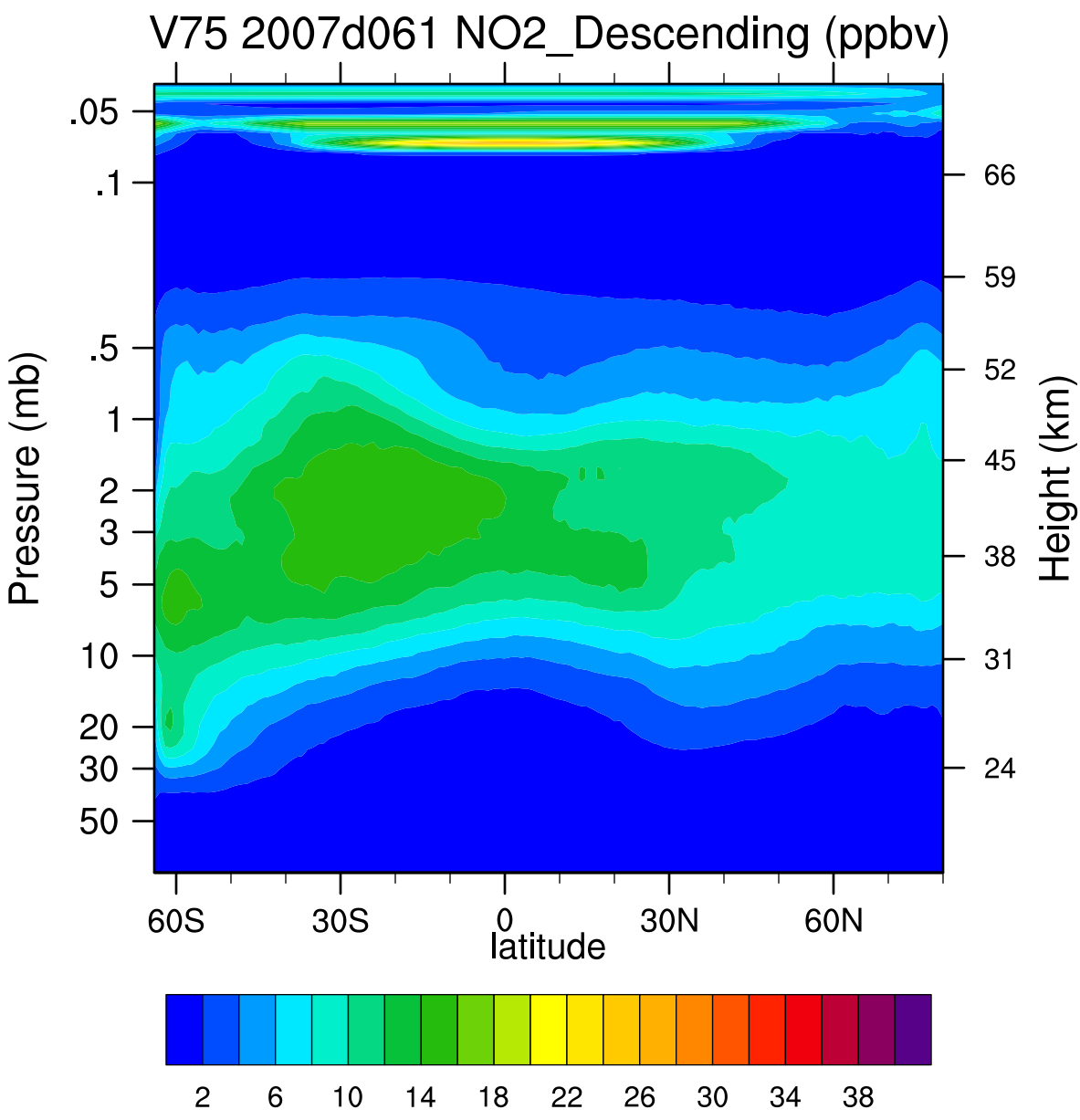
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latitude
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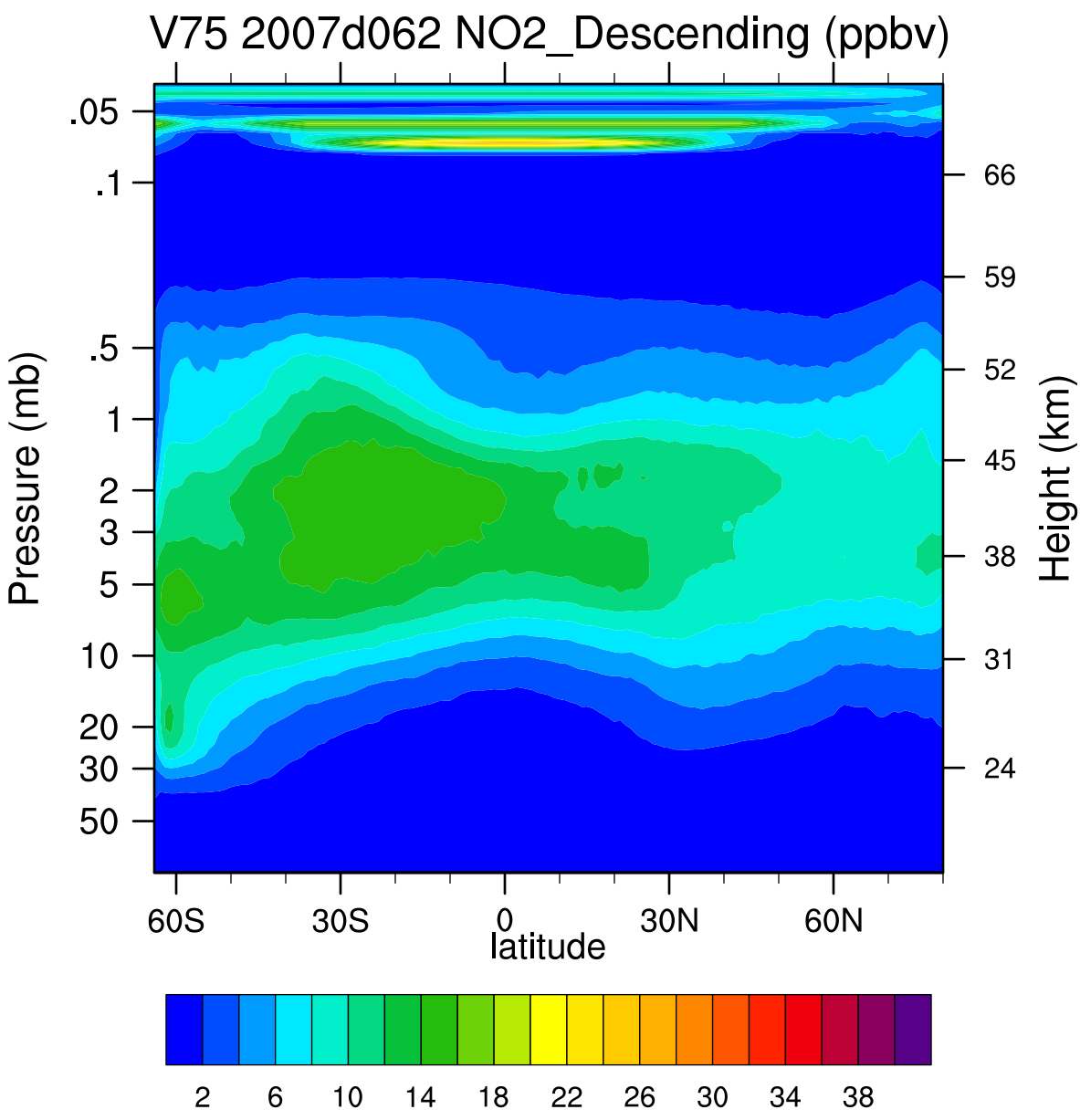
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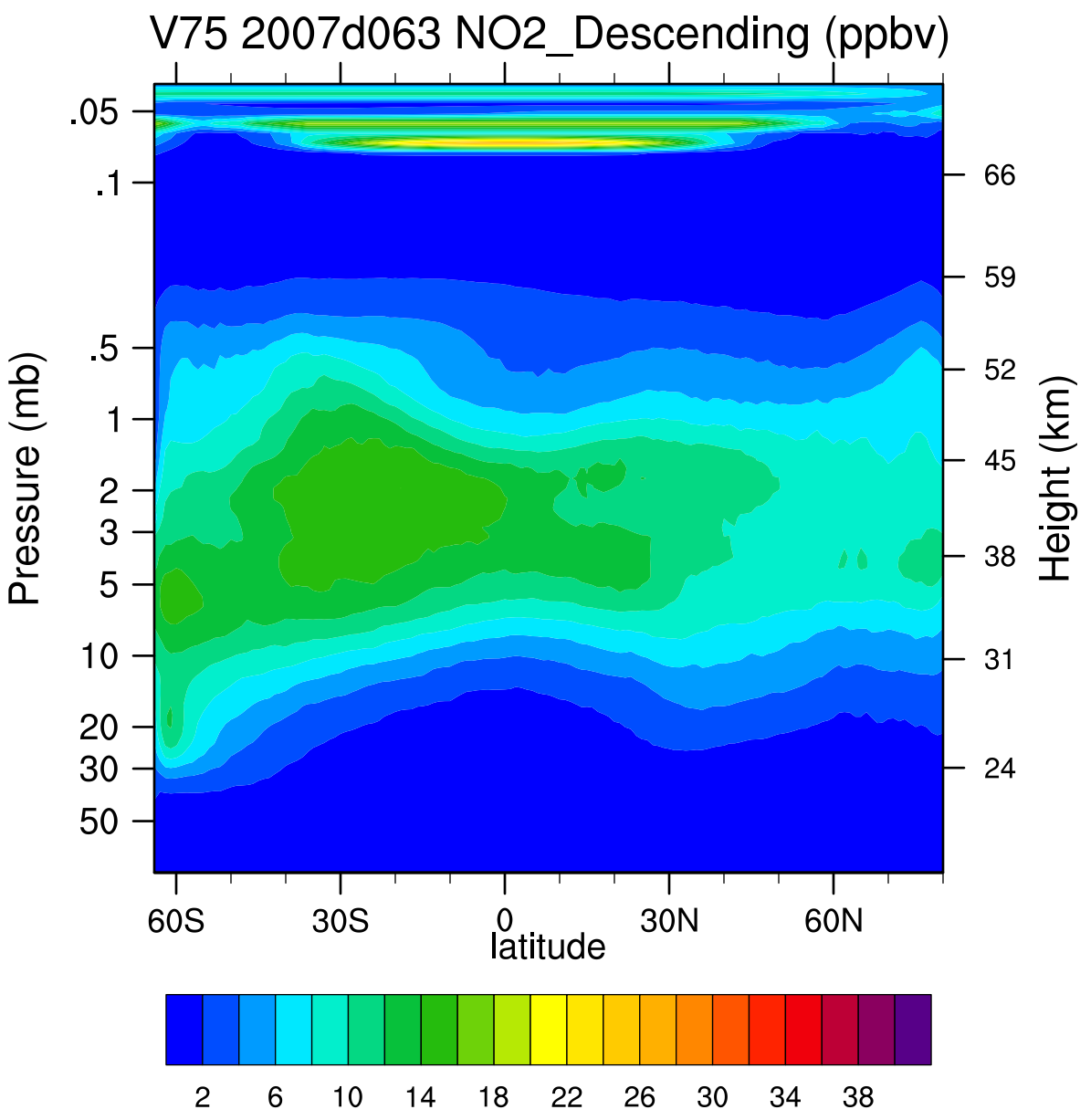
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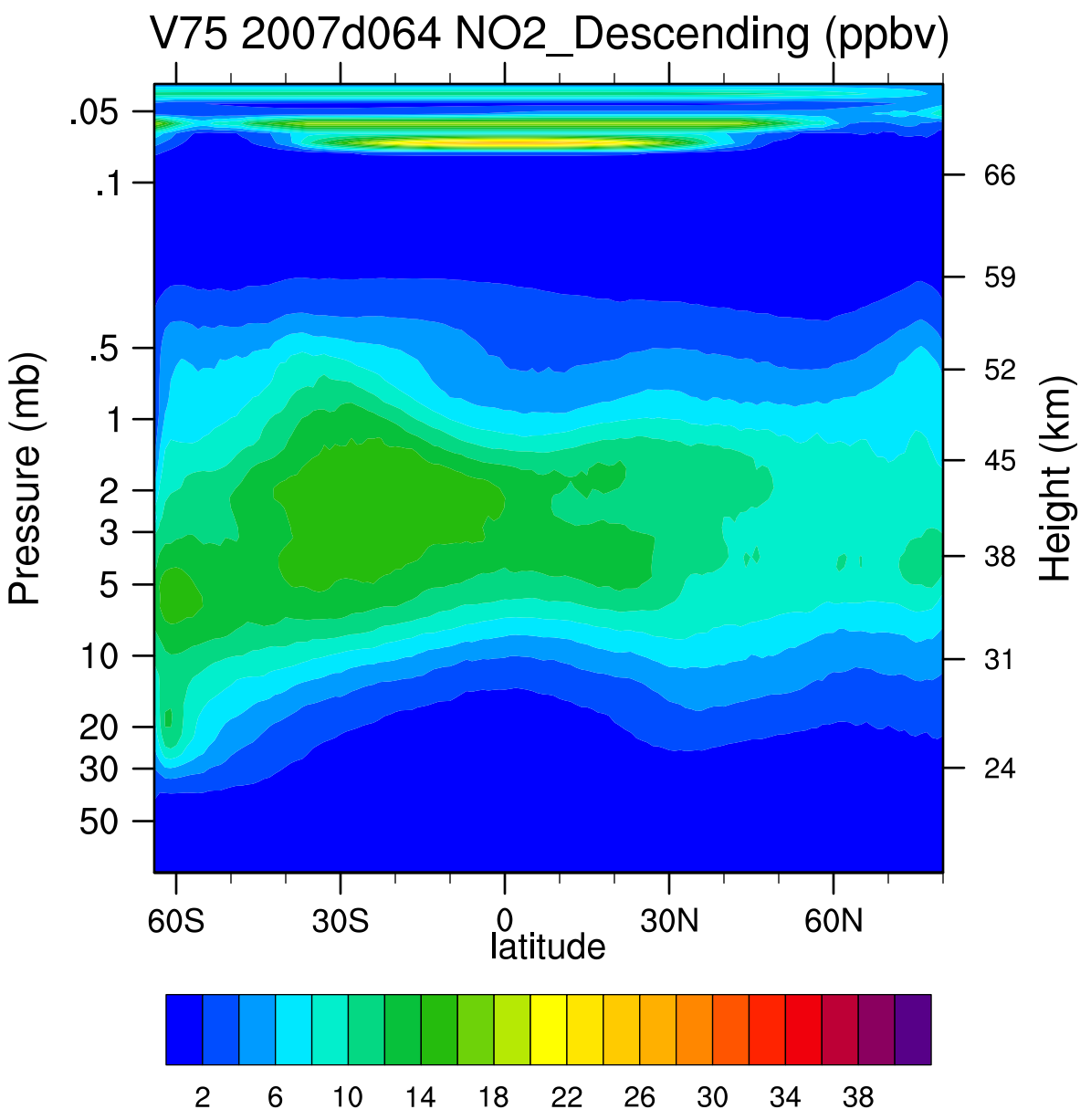
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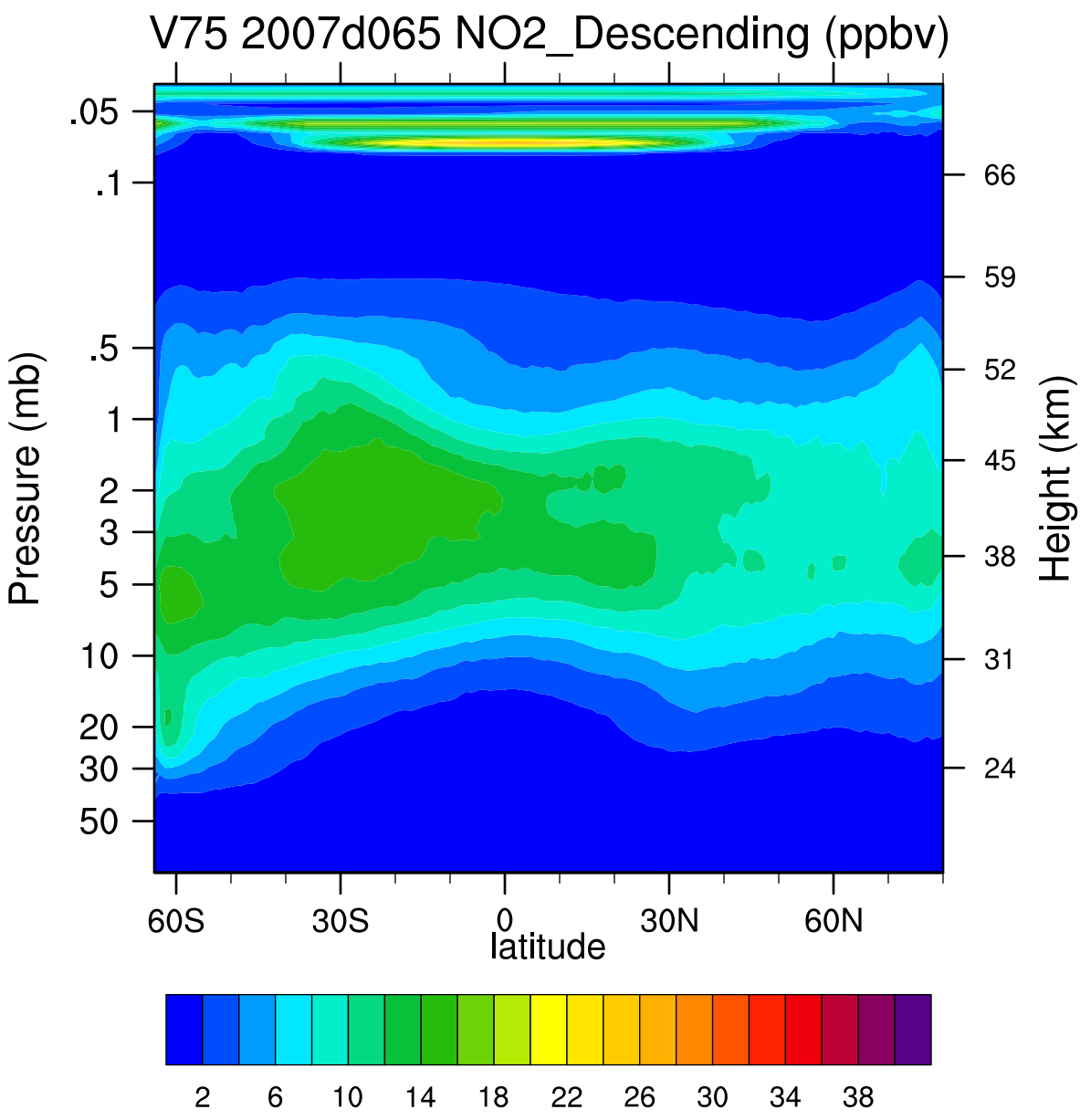
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latitude
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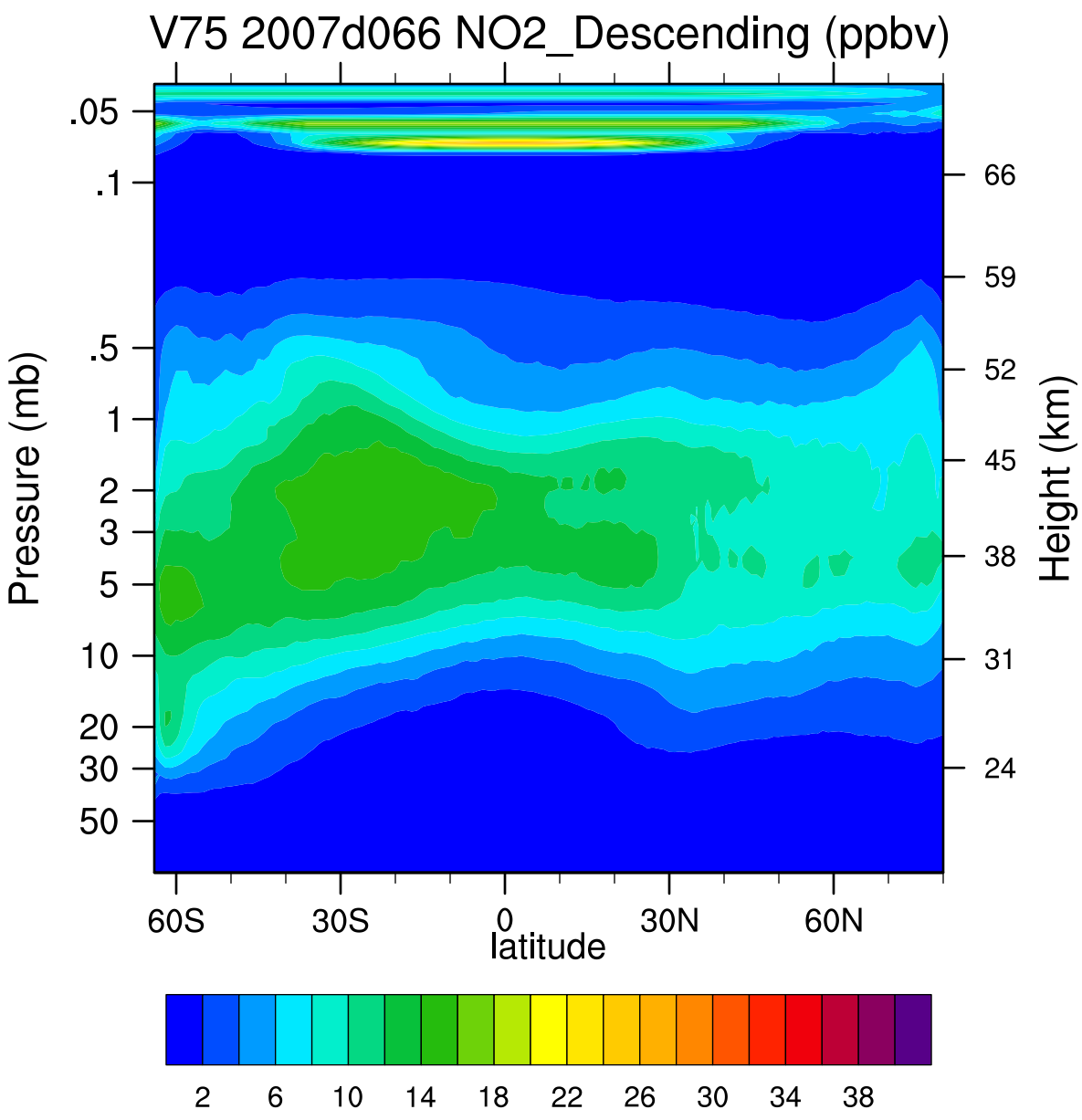
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latitude
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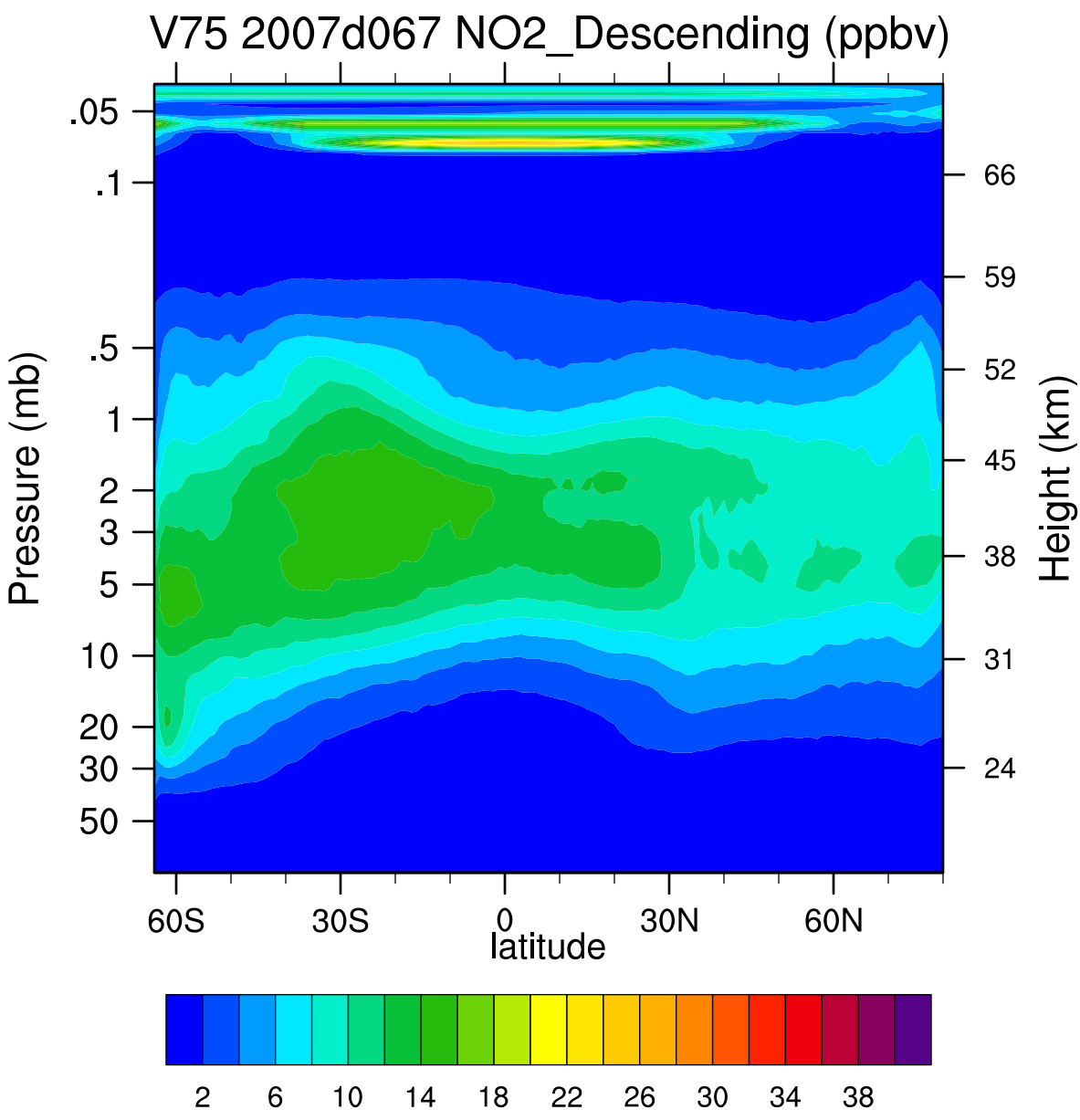
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latitude
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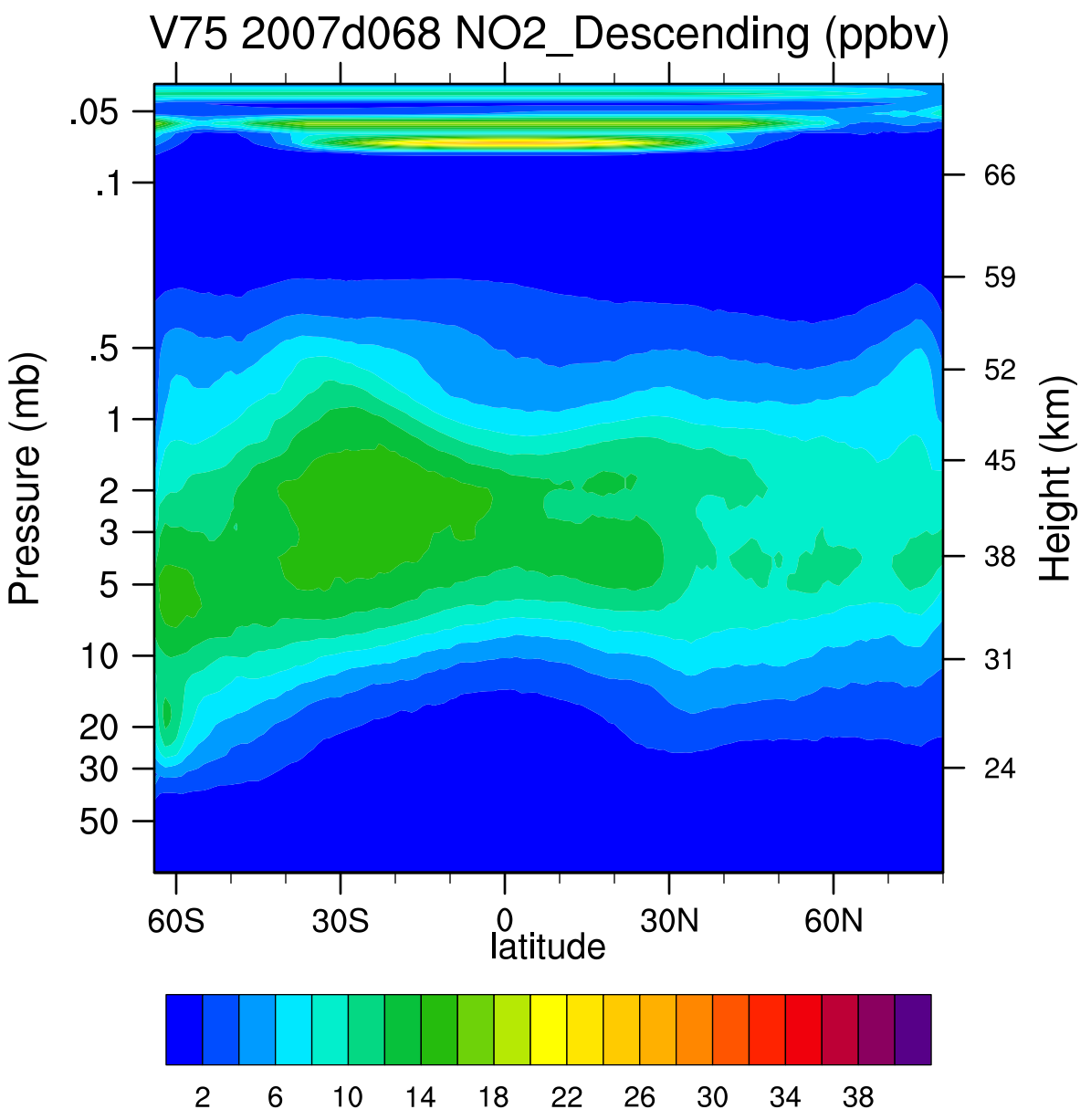
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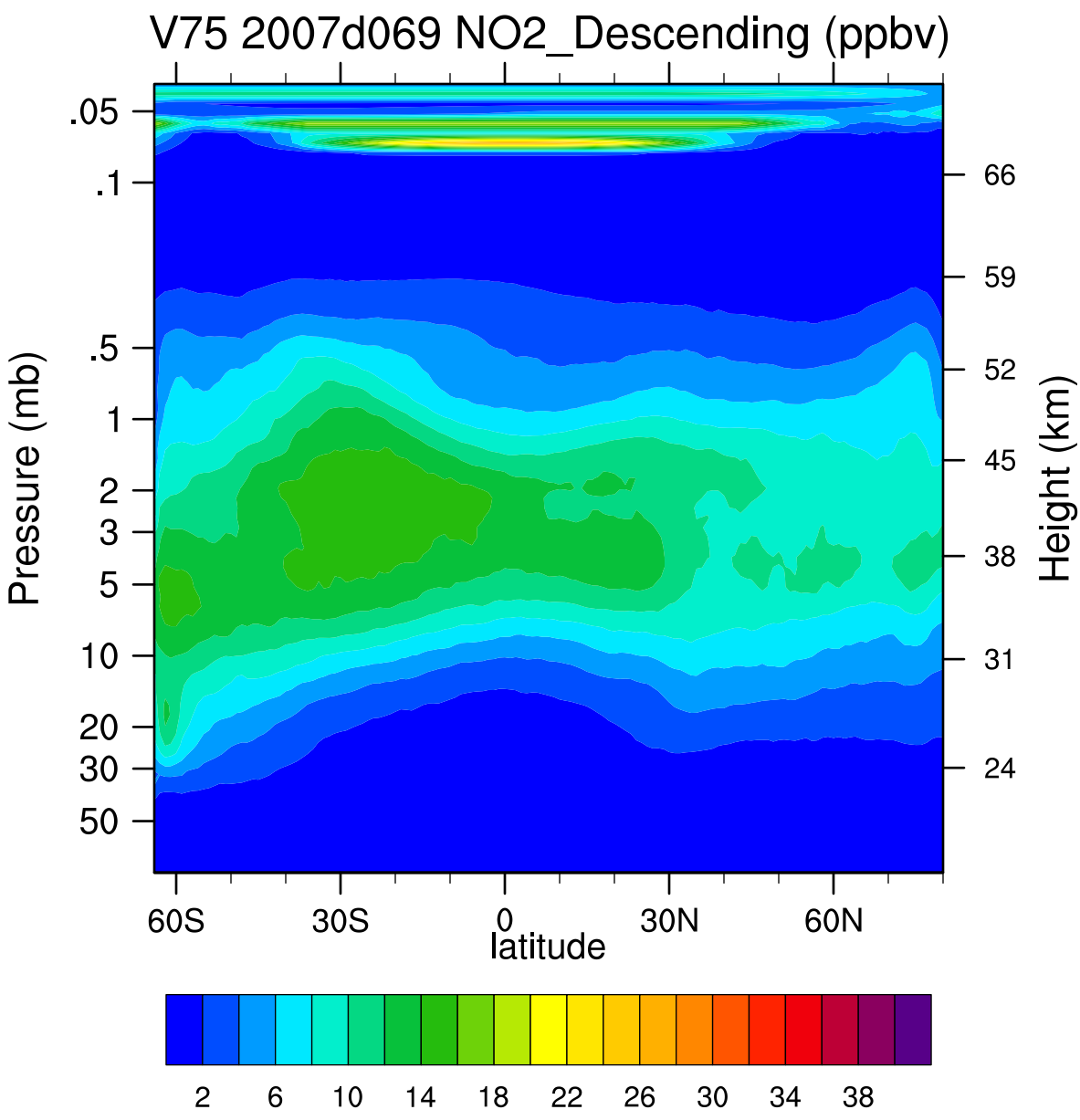
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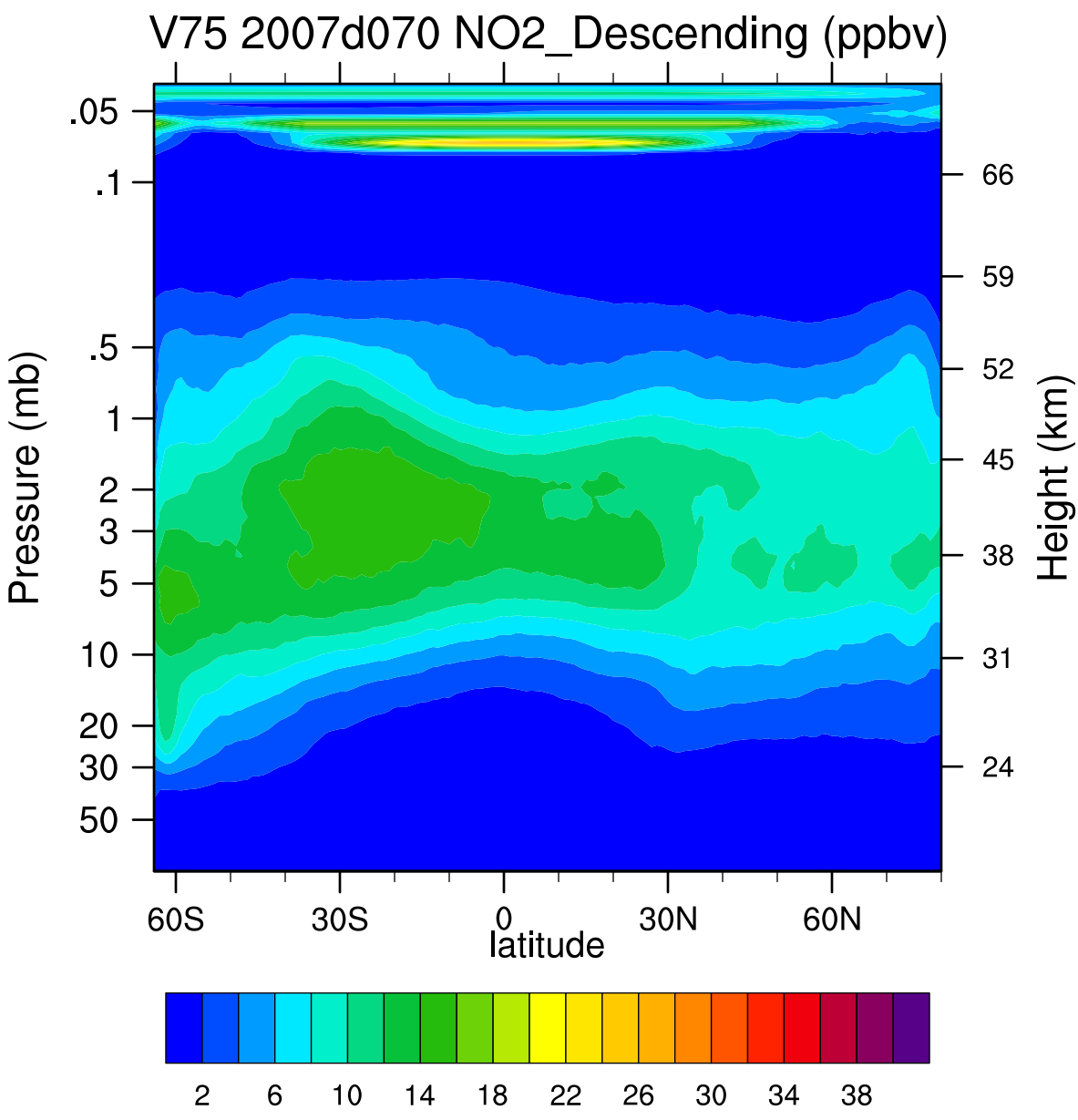
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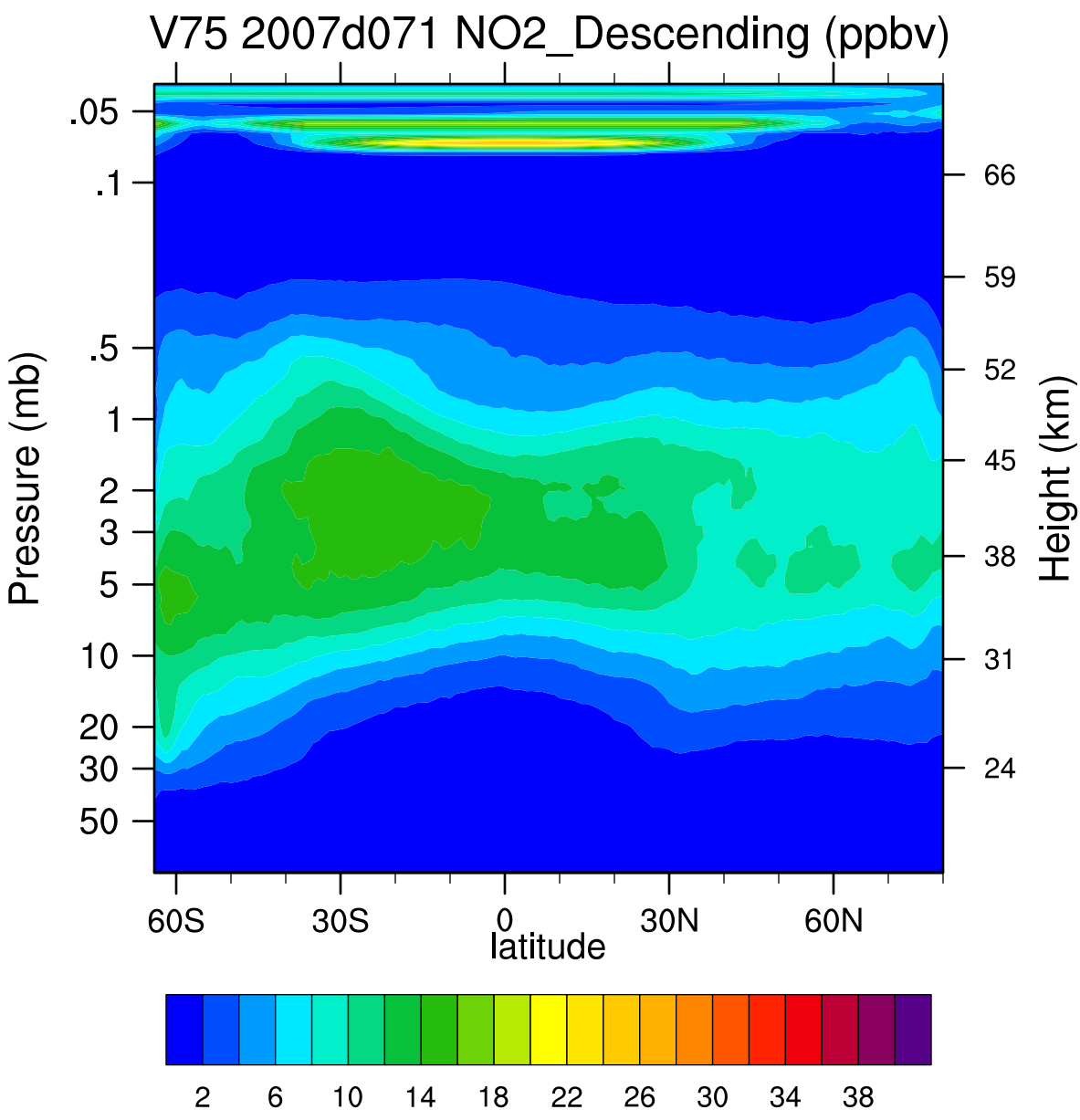
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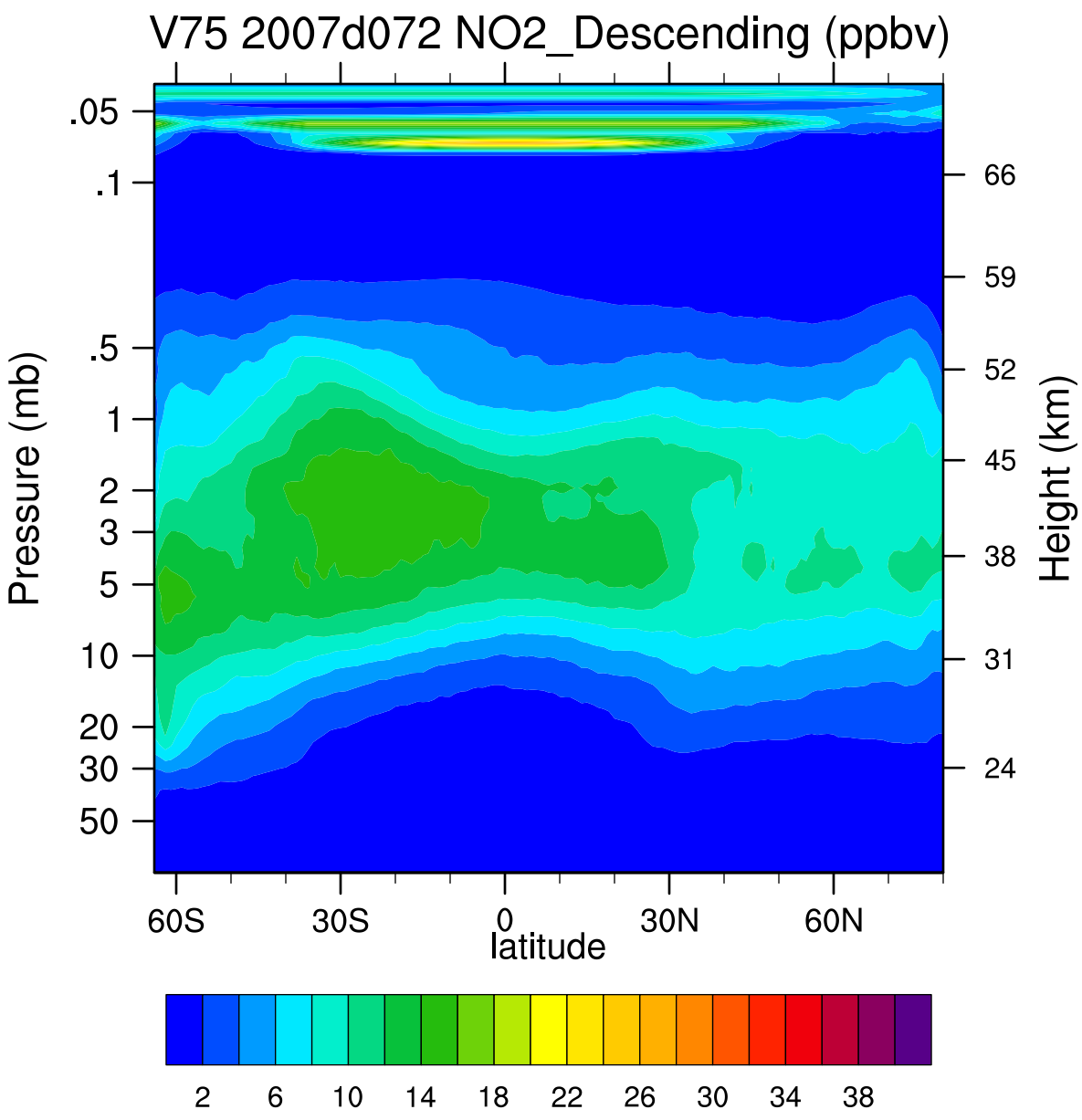
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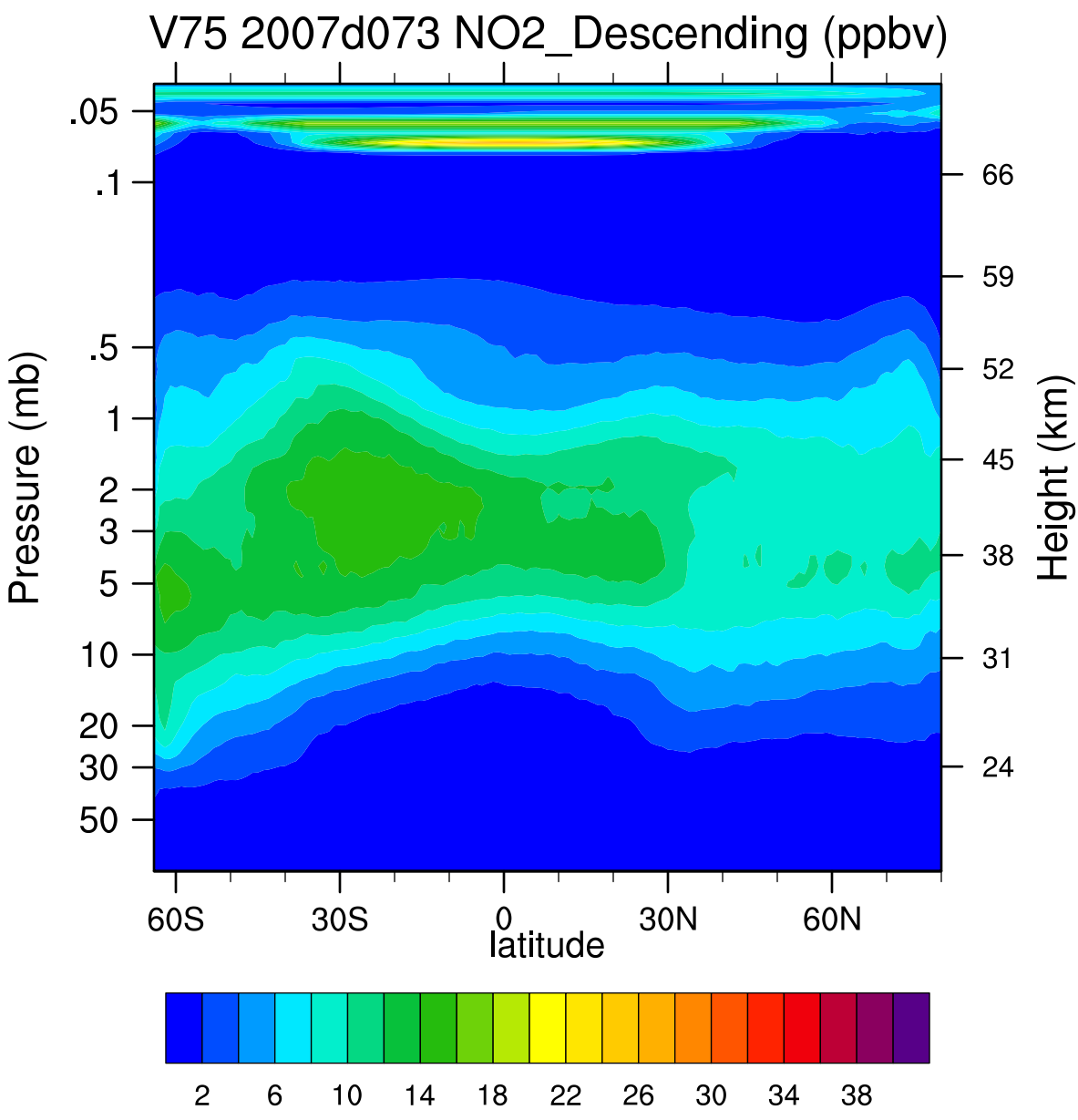
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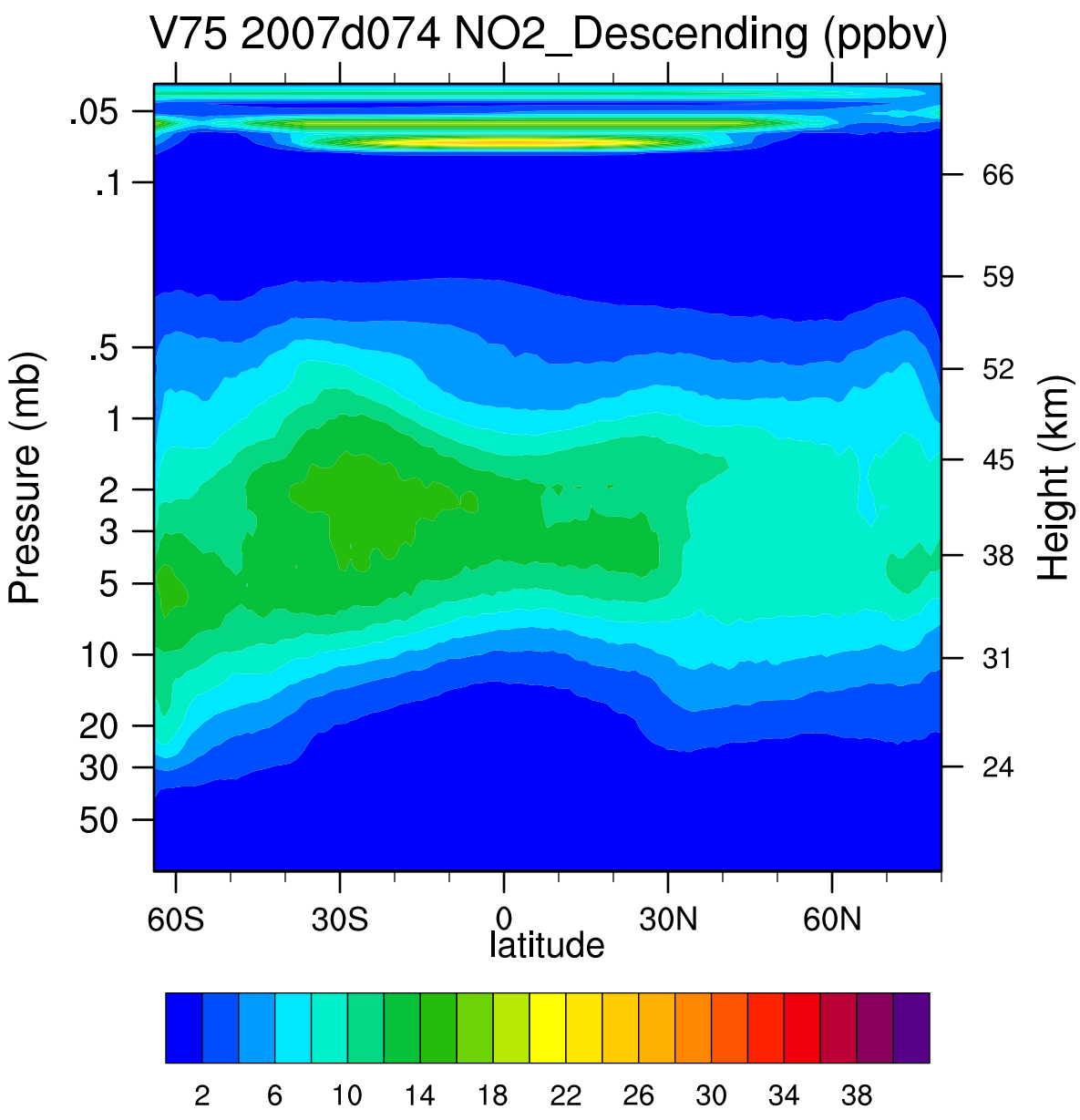
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Height (km)
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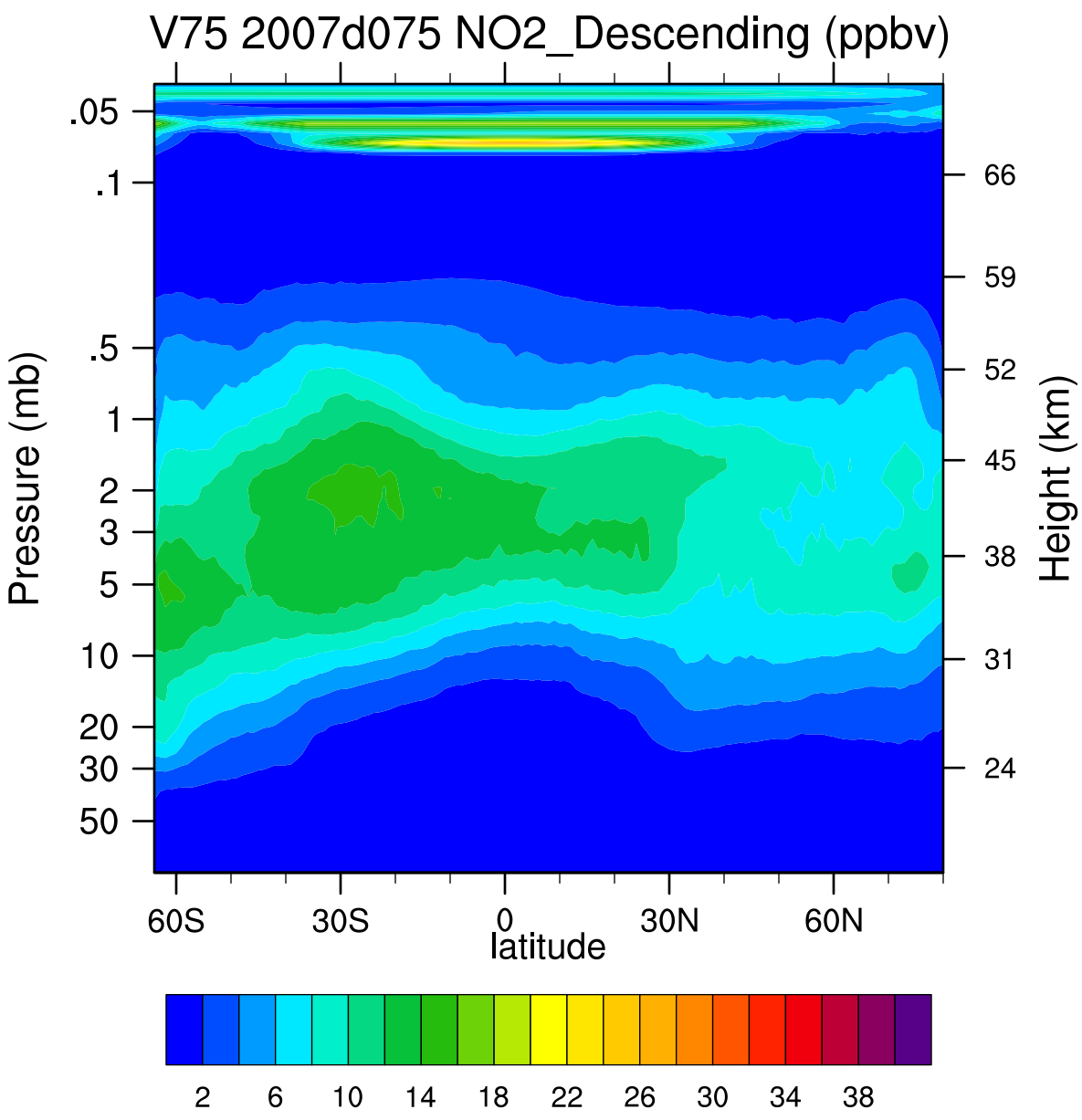
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Pressure (mb)
66
59
52
45
38
31
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Height (km)
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latitude
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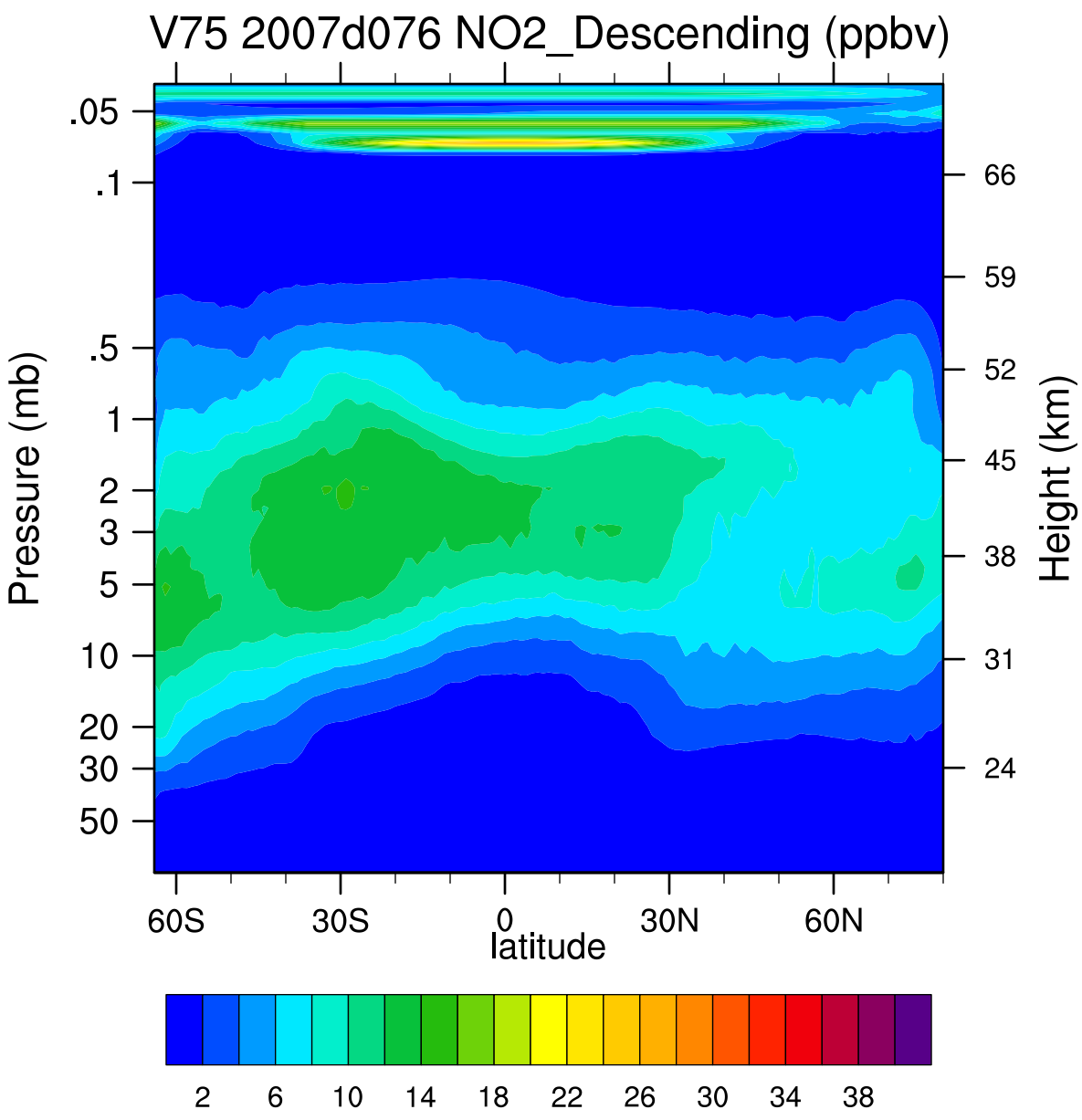
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Height (km)
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59
52
45
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60N
latitude
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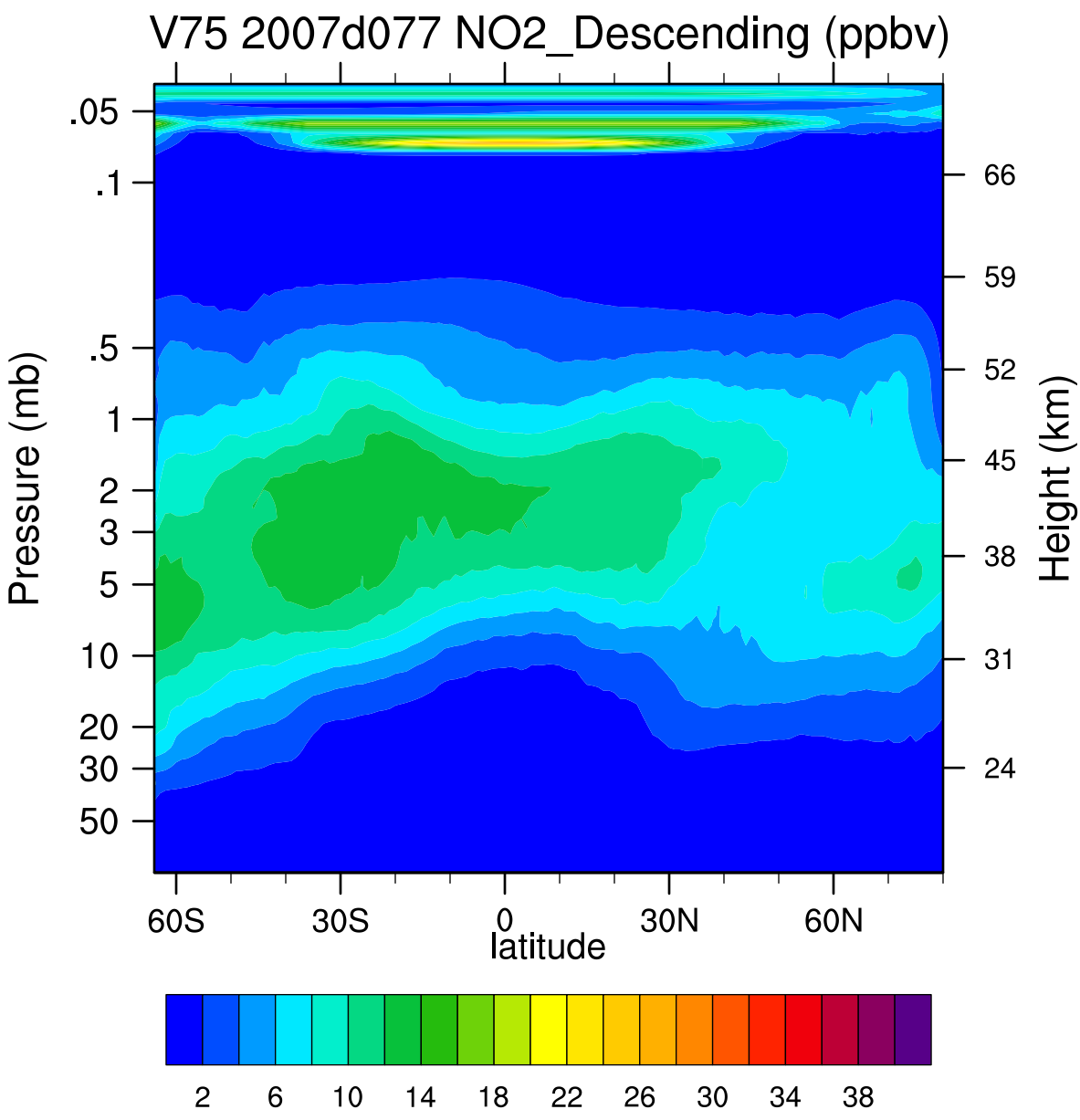
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Height (km)
66
59
52
45
38
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60N
latitude
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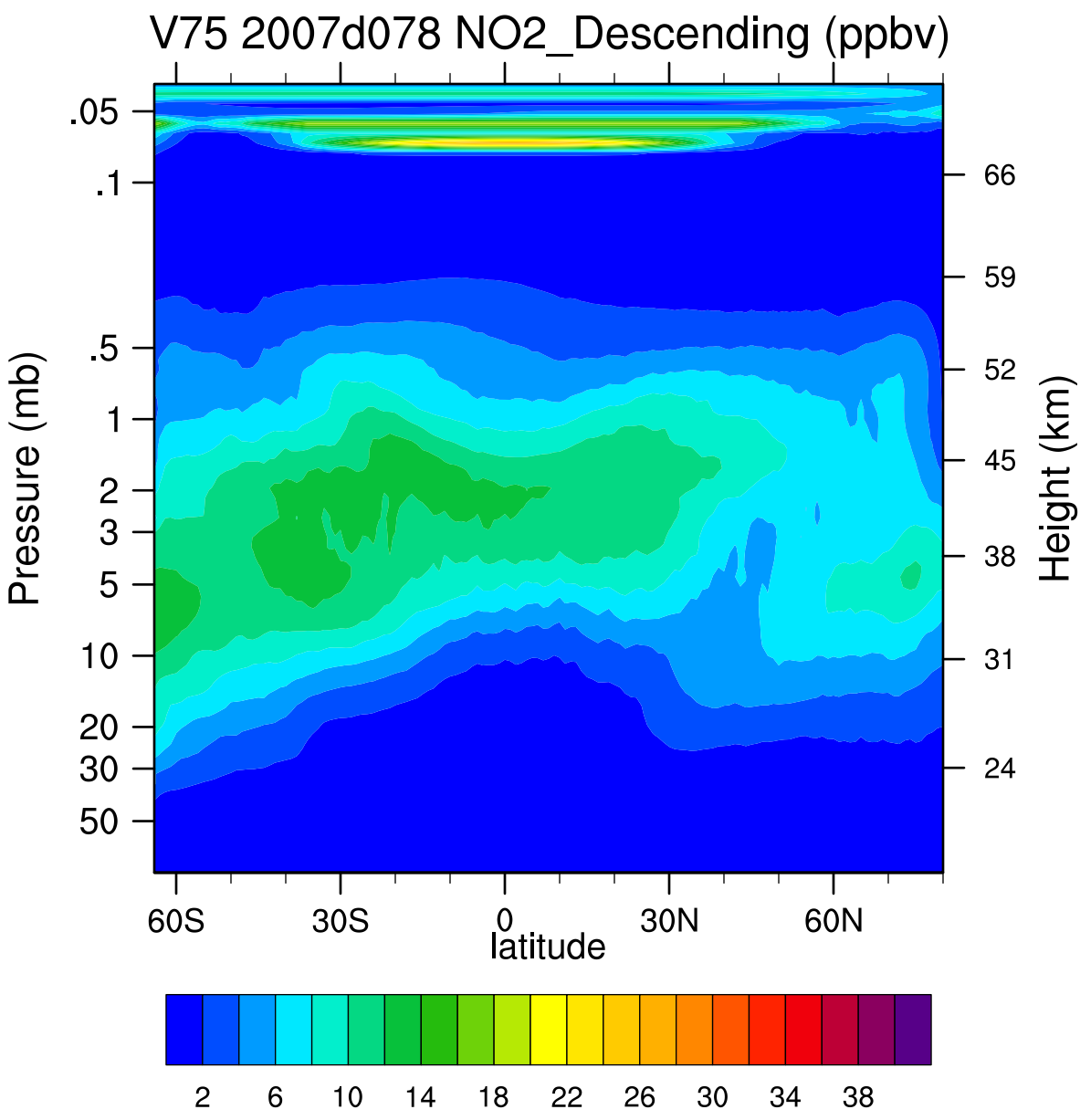
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52
45
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30N
60N
latitude
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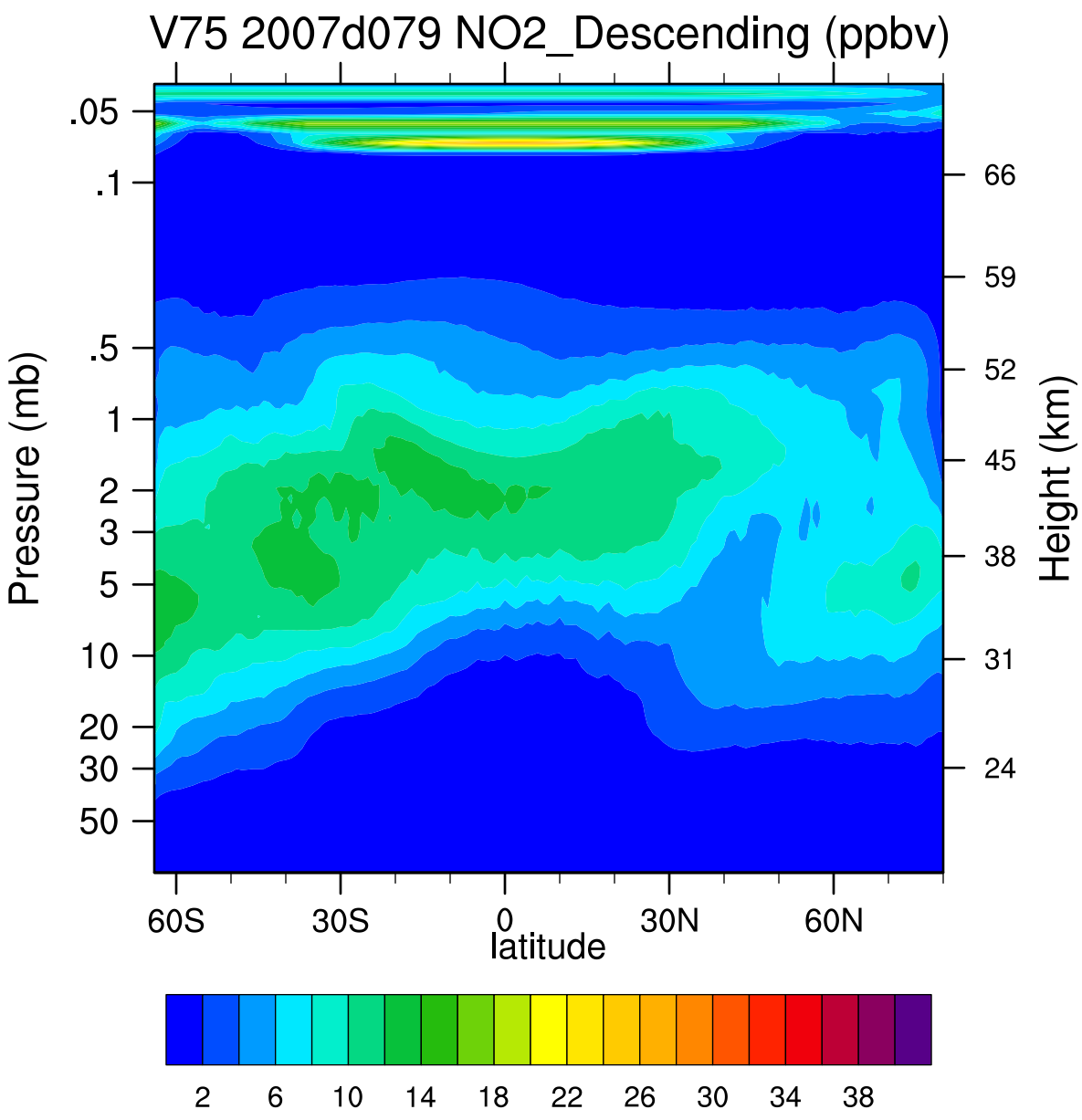
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latitude
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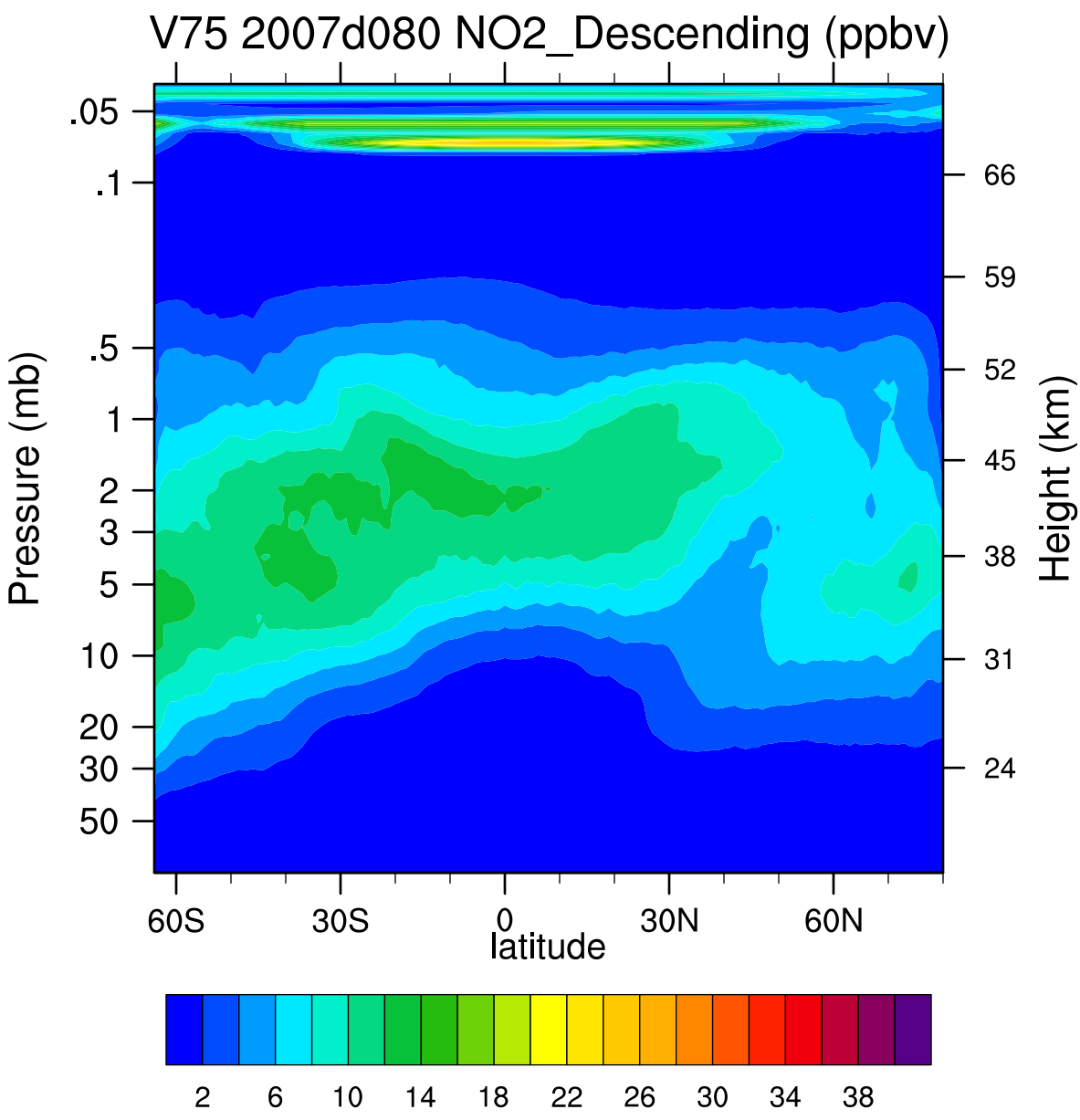
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Height (km)
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latitude
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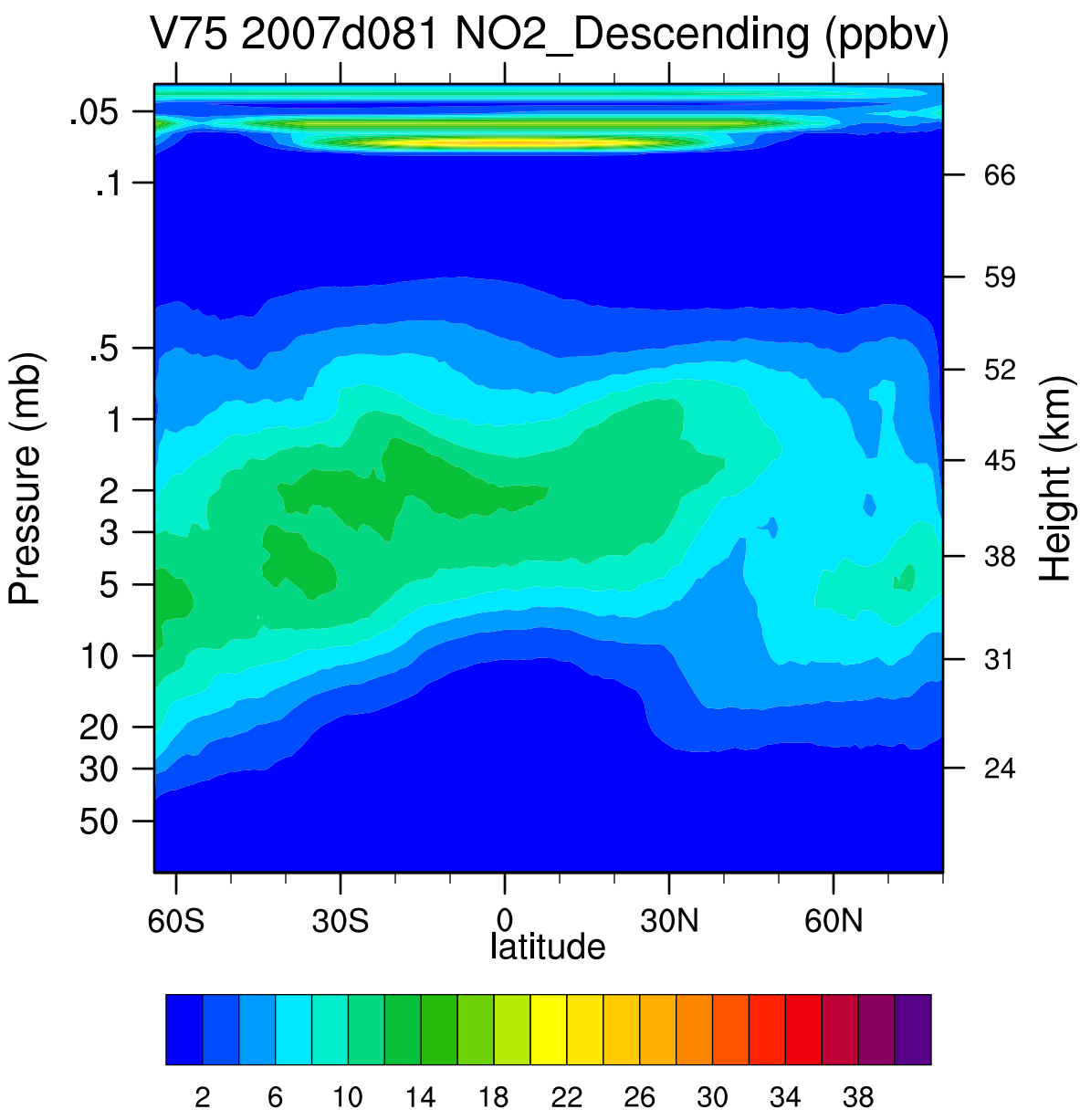
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Height (km)
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latitude
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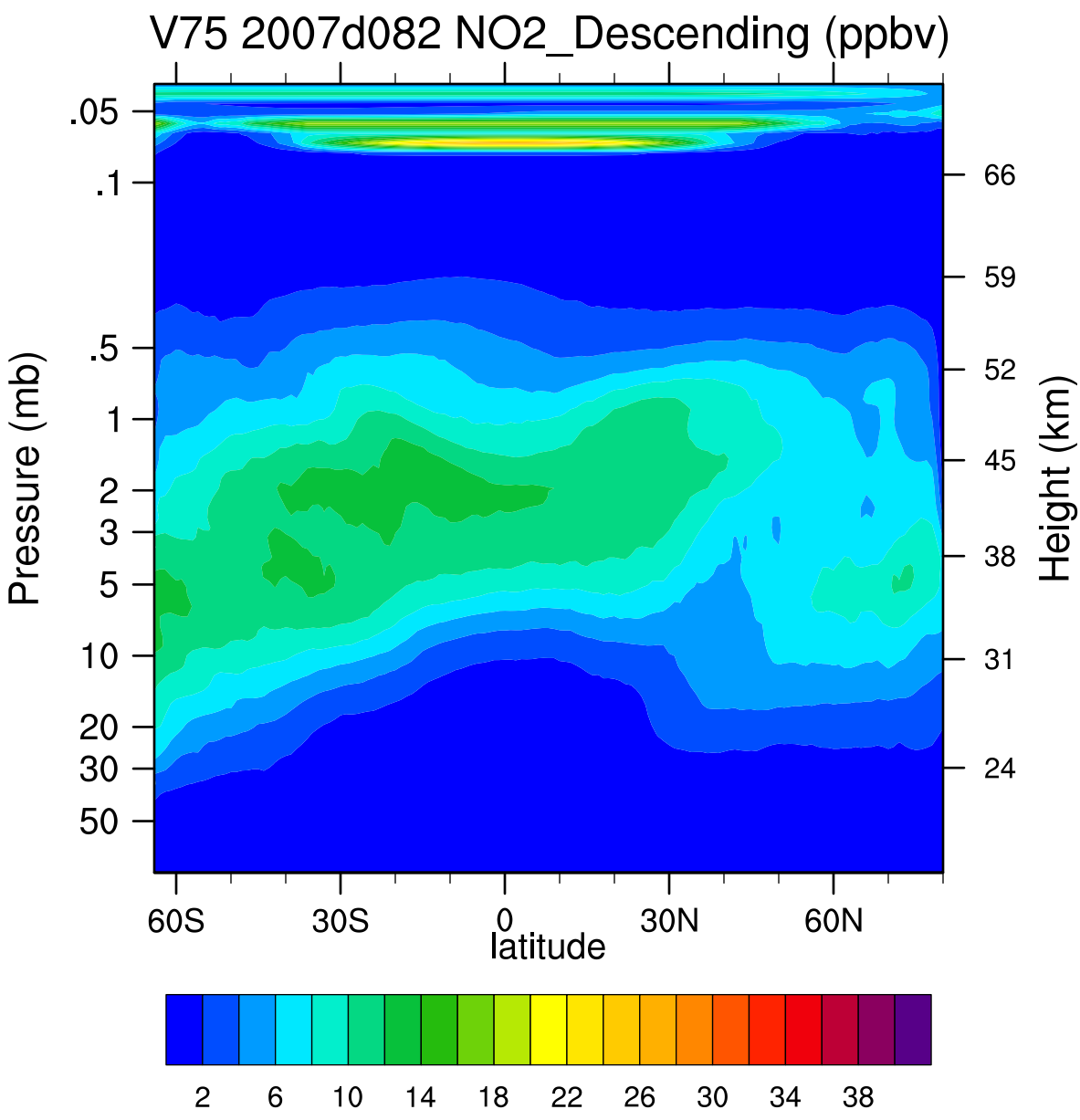
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Pressure (mb)
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Height (km)
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latitude
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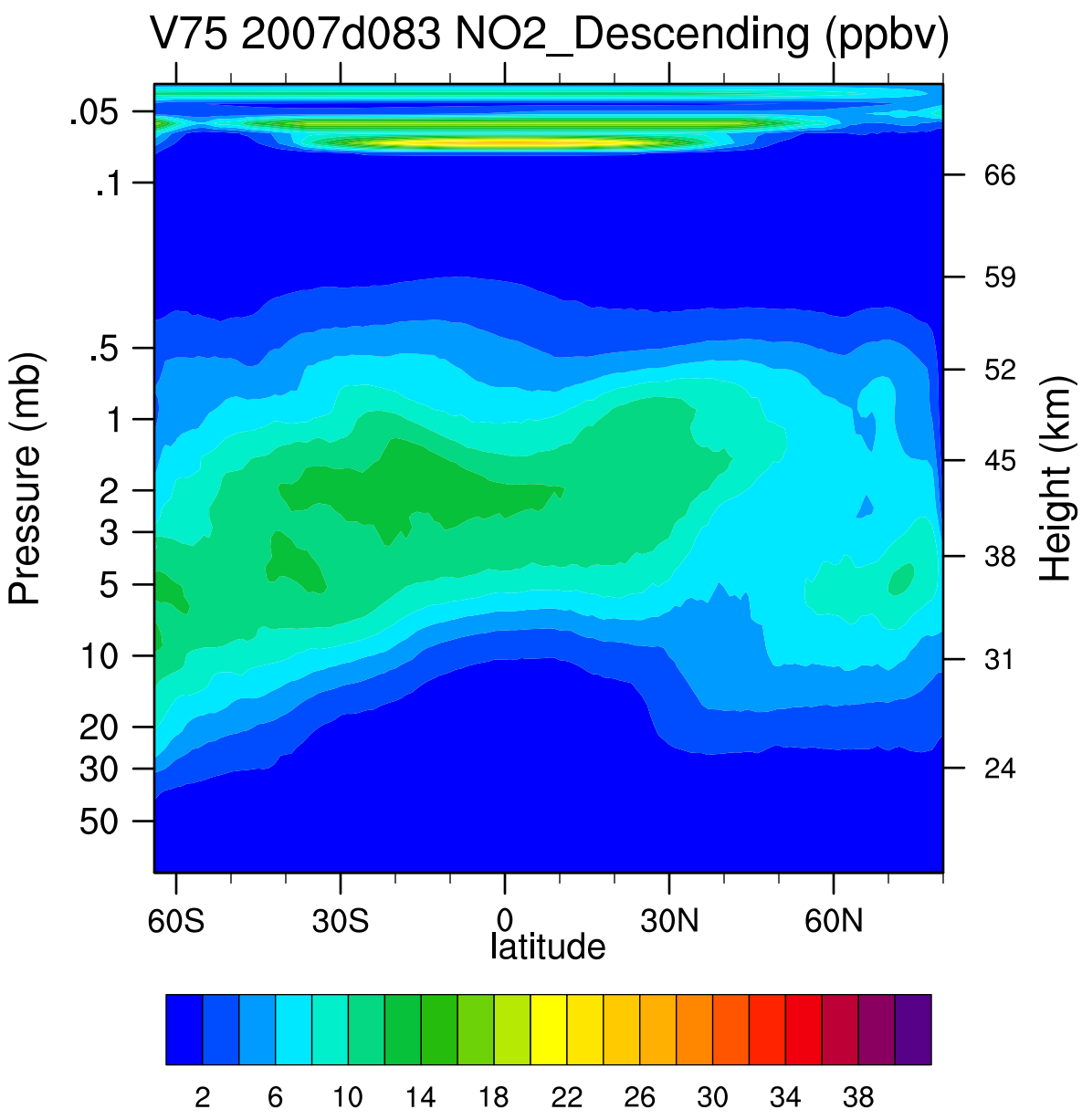
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Height (km)
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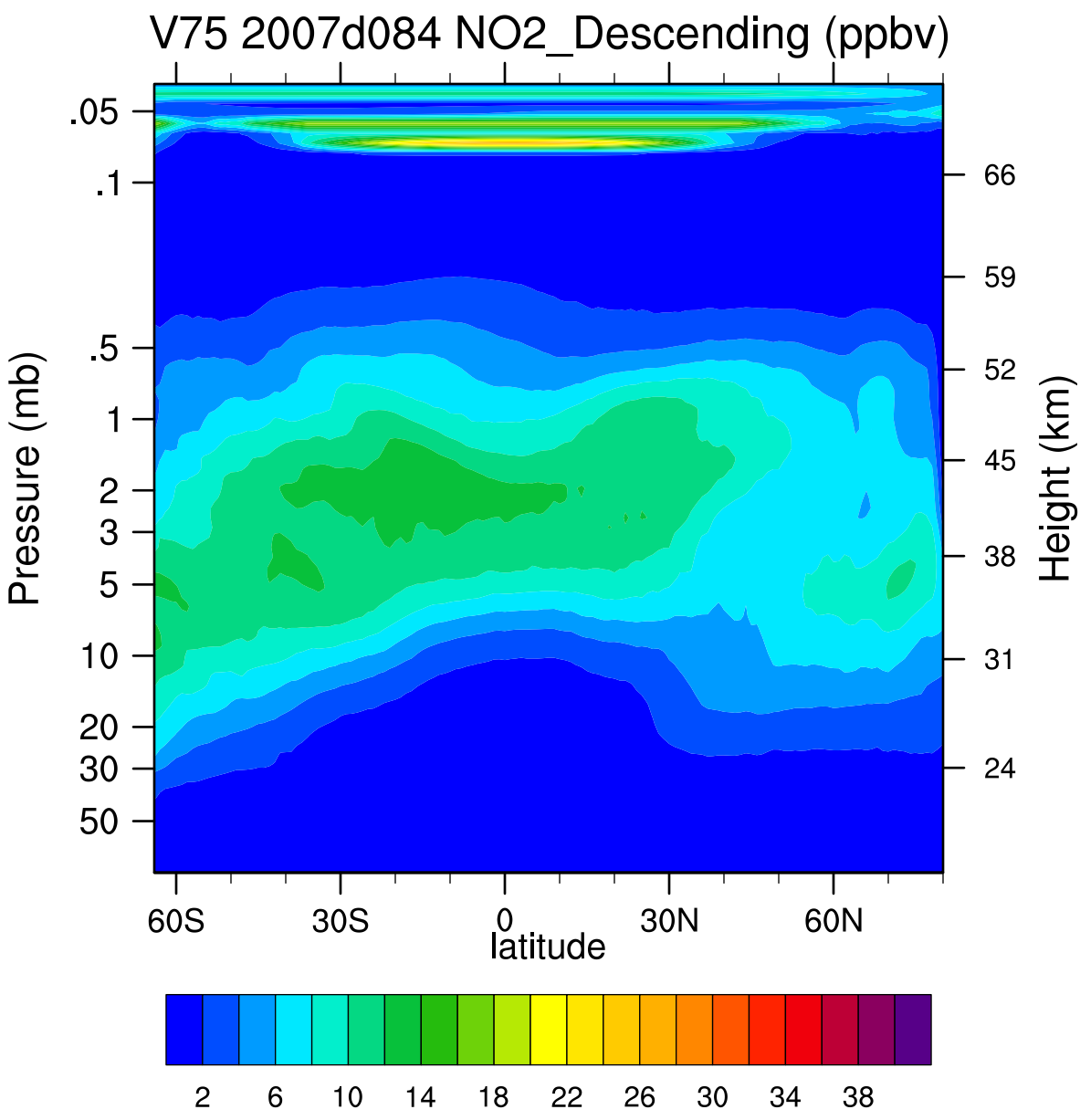
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Height (km)
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latitude
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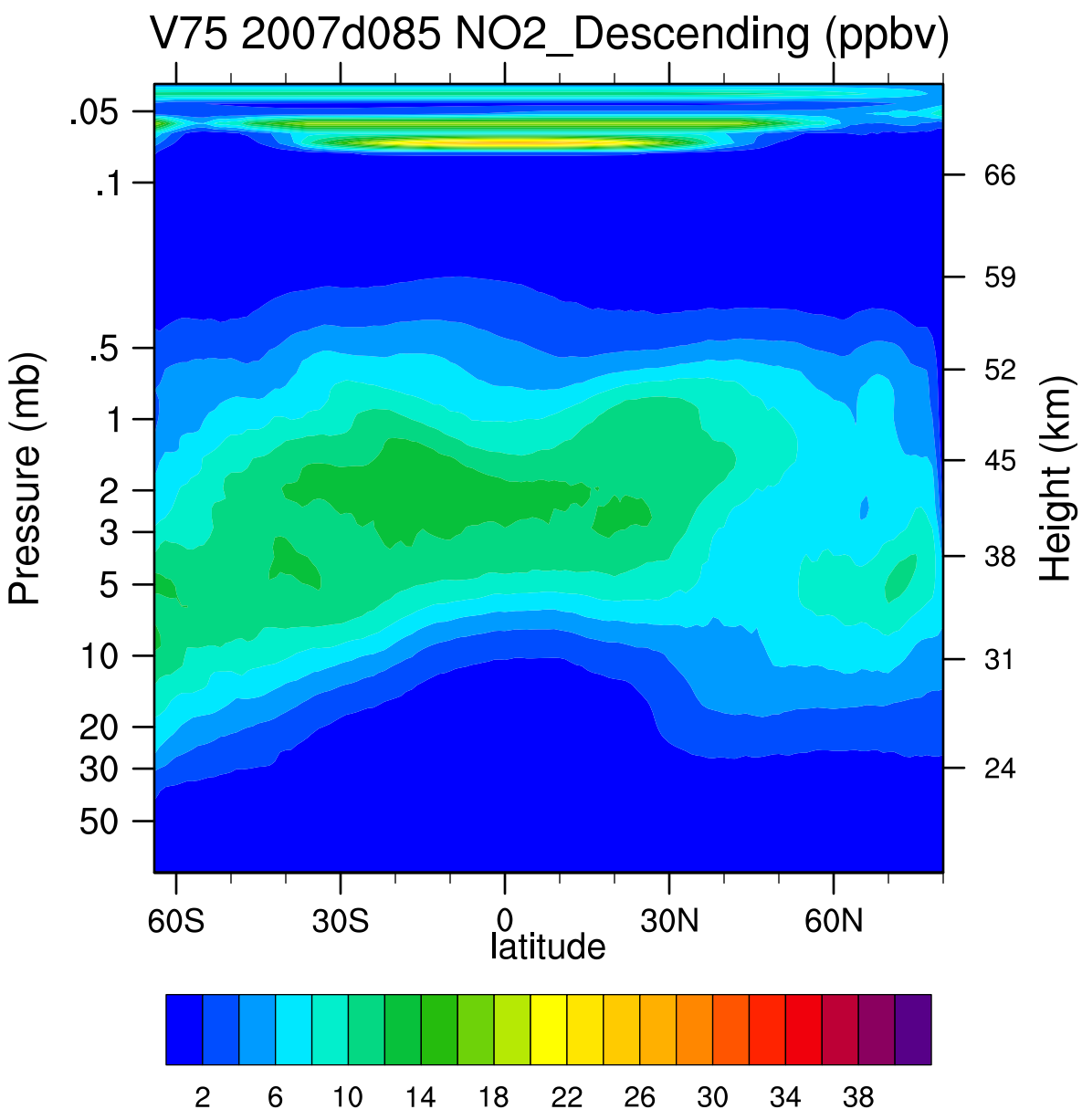
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latitude
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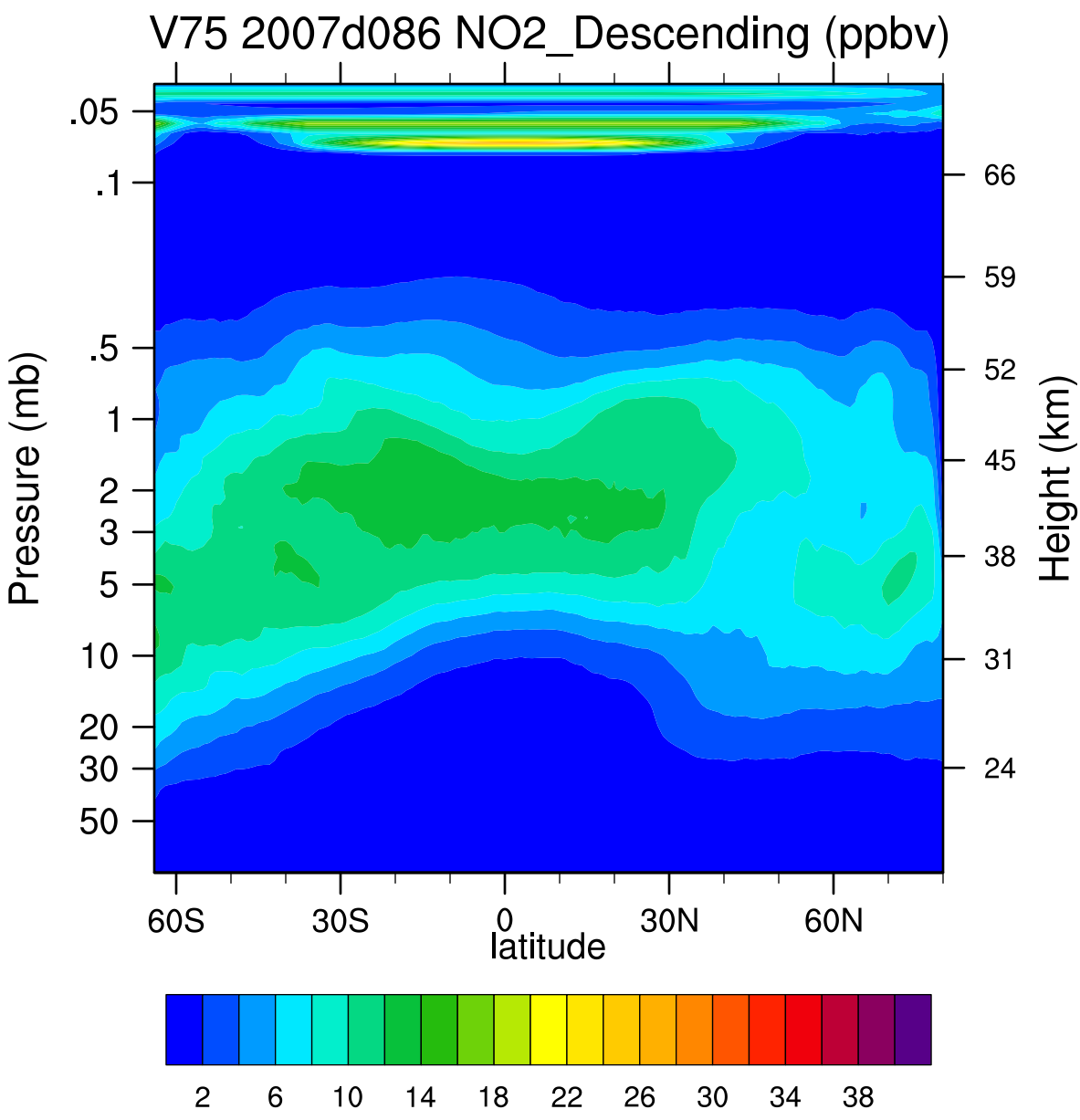
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Height (km)
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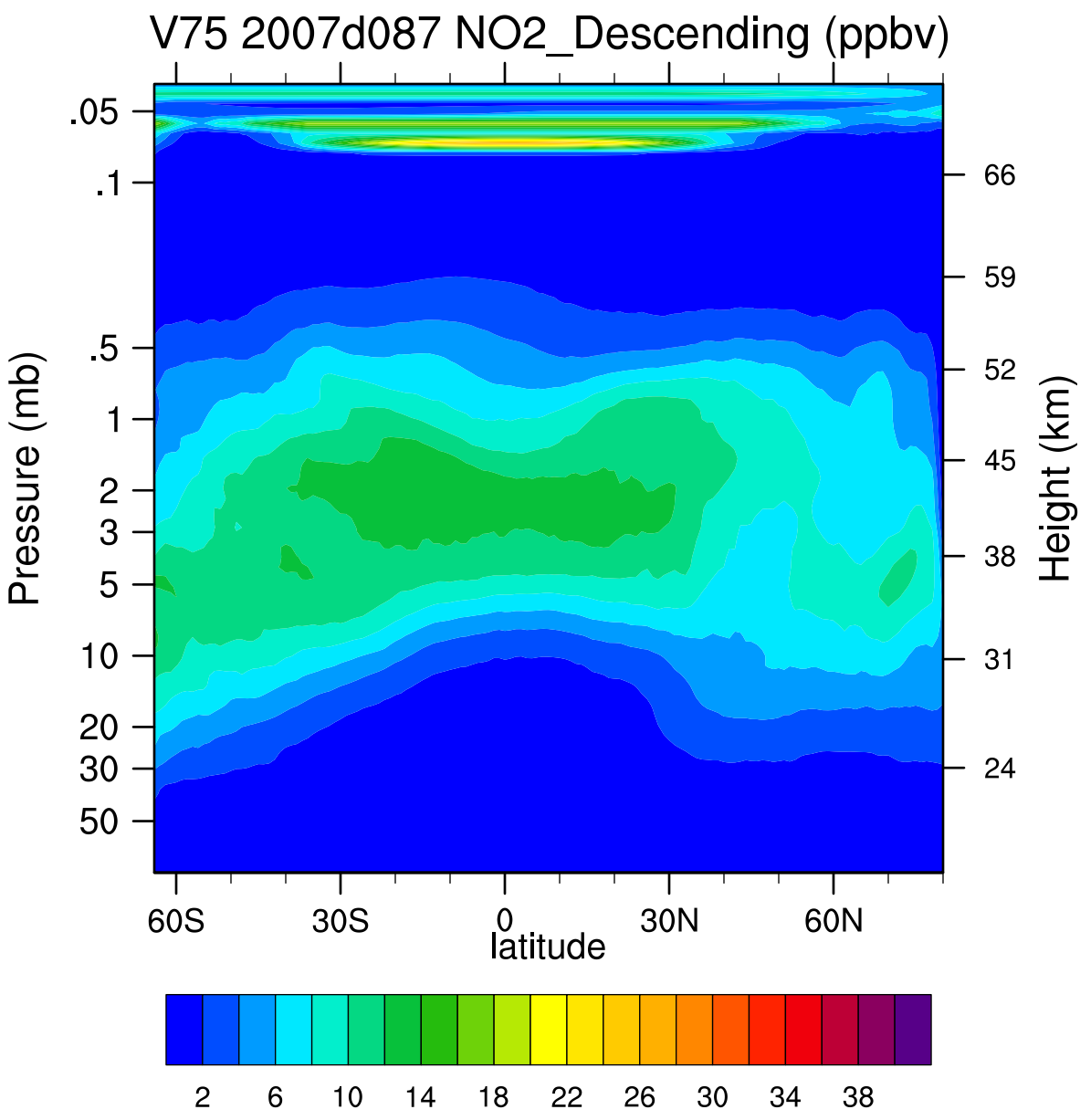
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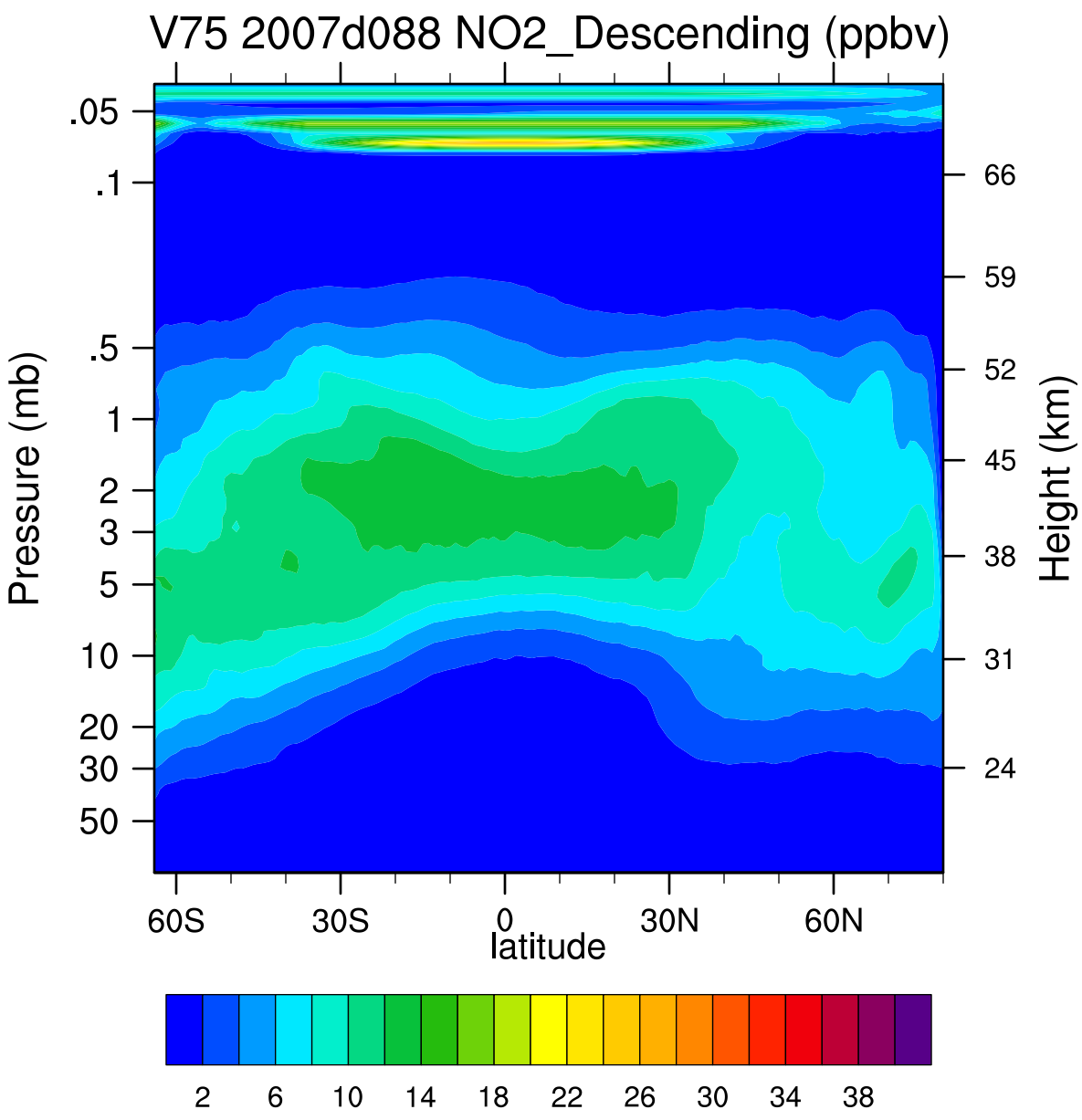
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latitude
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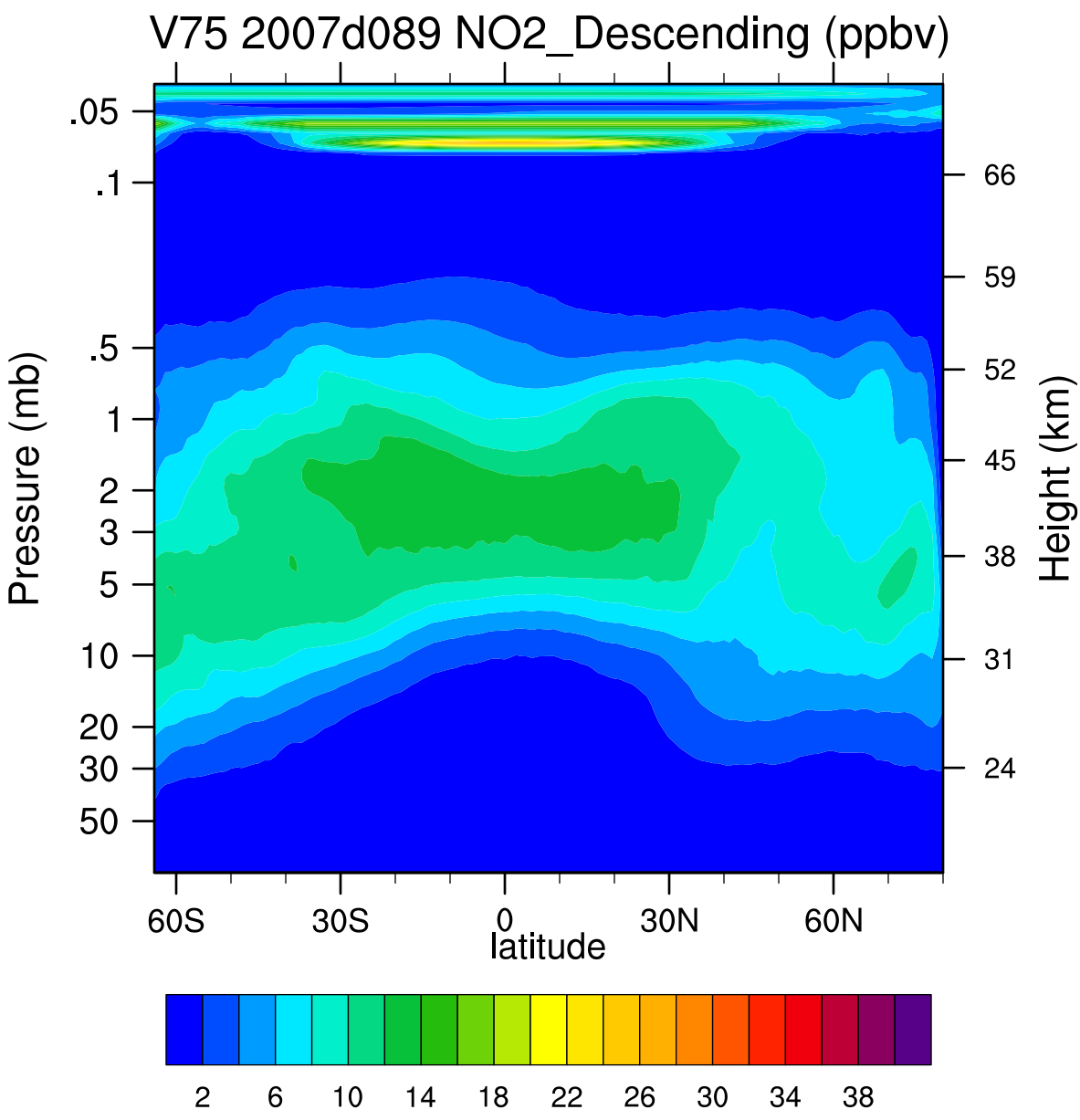
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Height (km)
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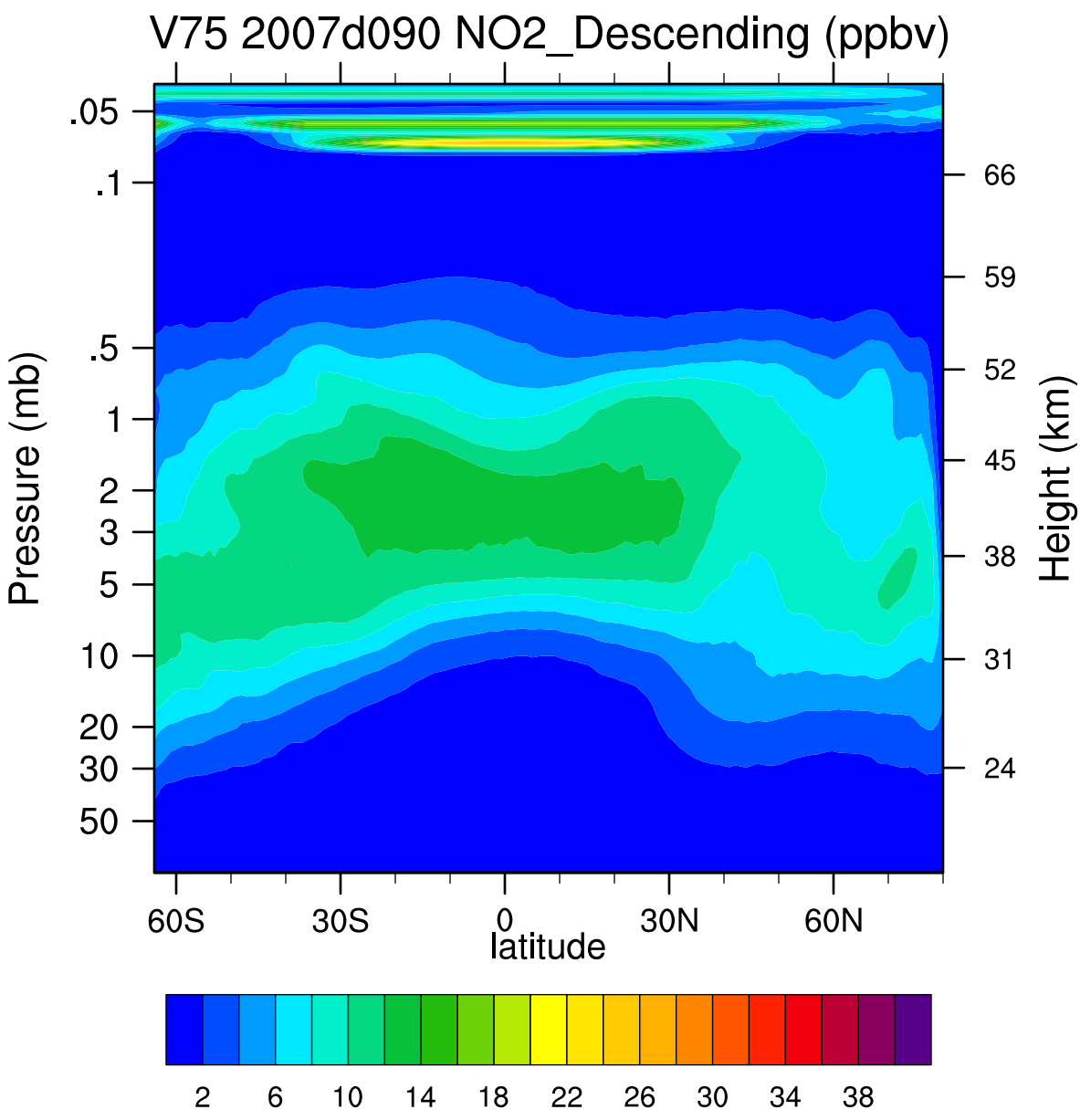
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Height (km)
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latitude
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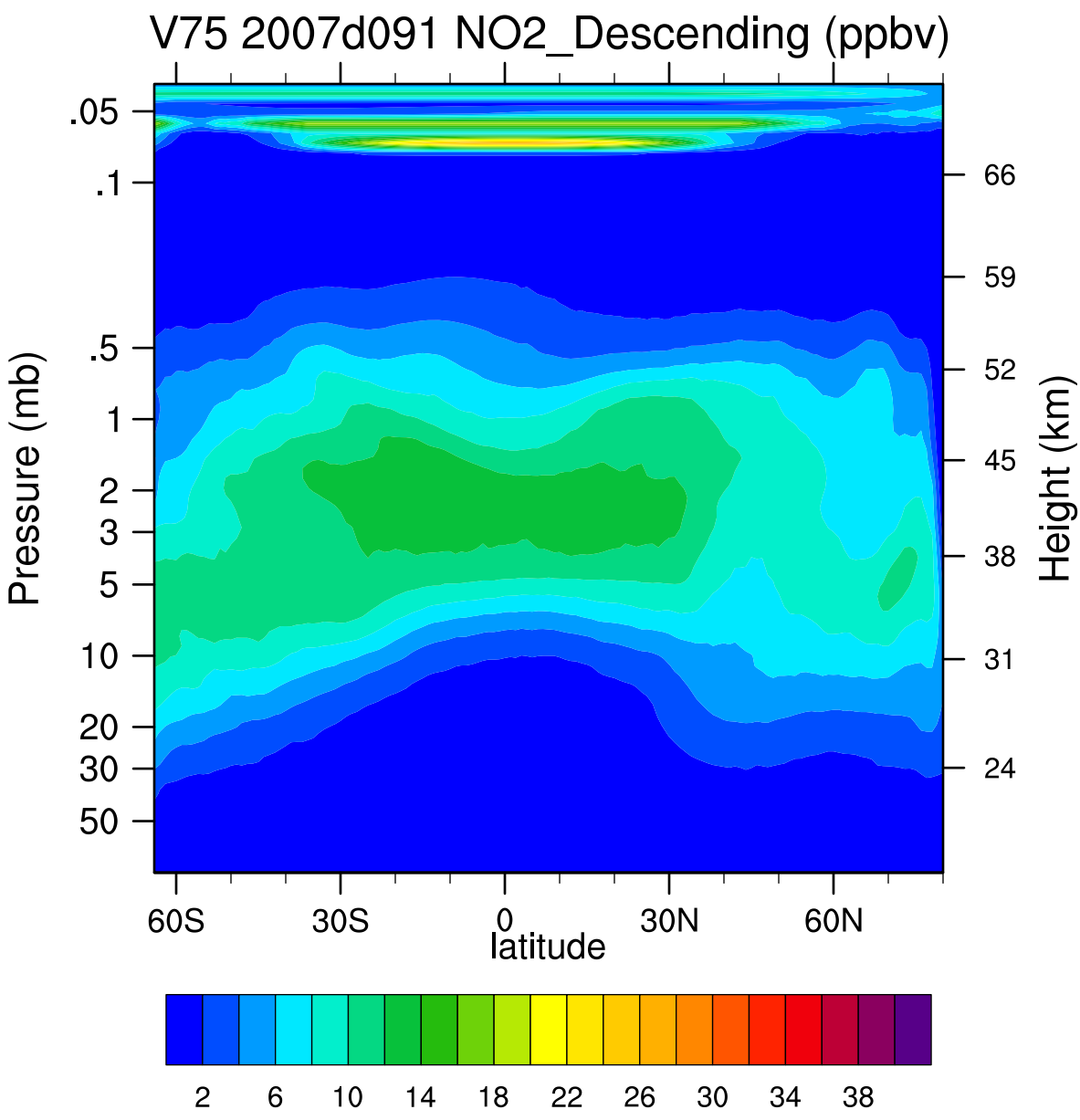
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Height (km)
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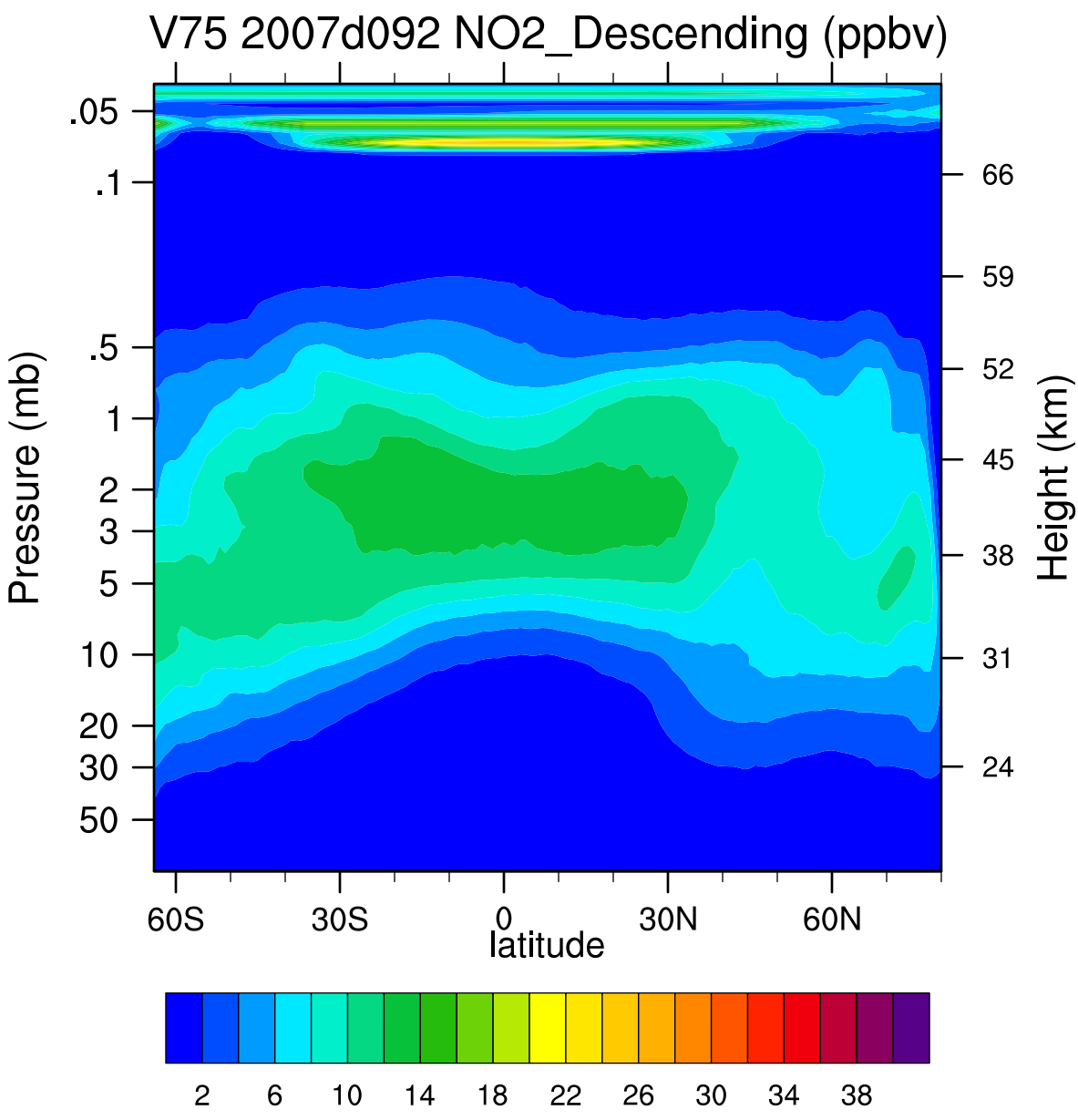
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Height (km)
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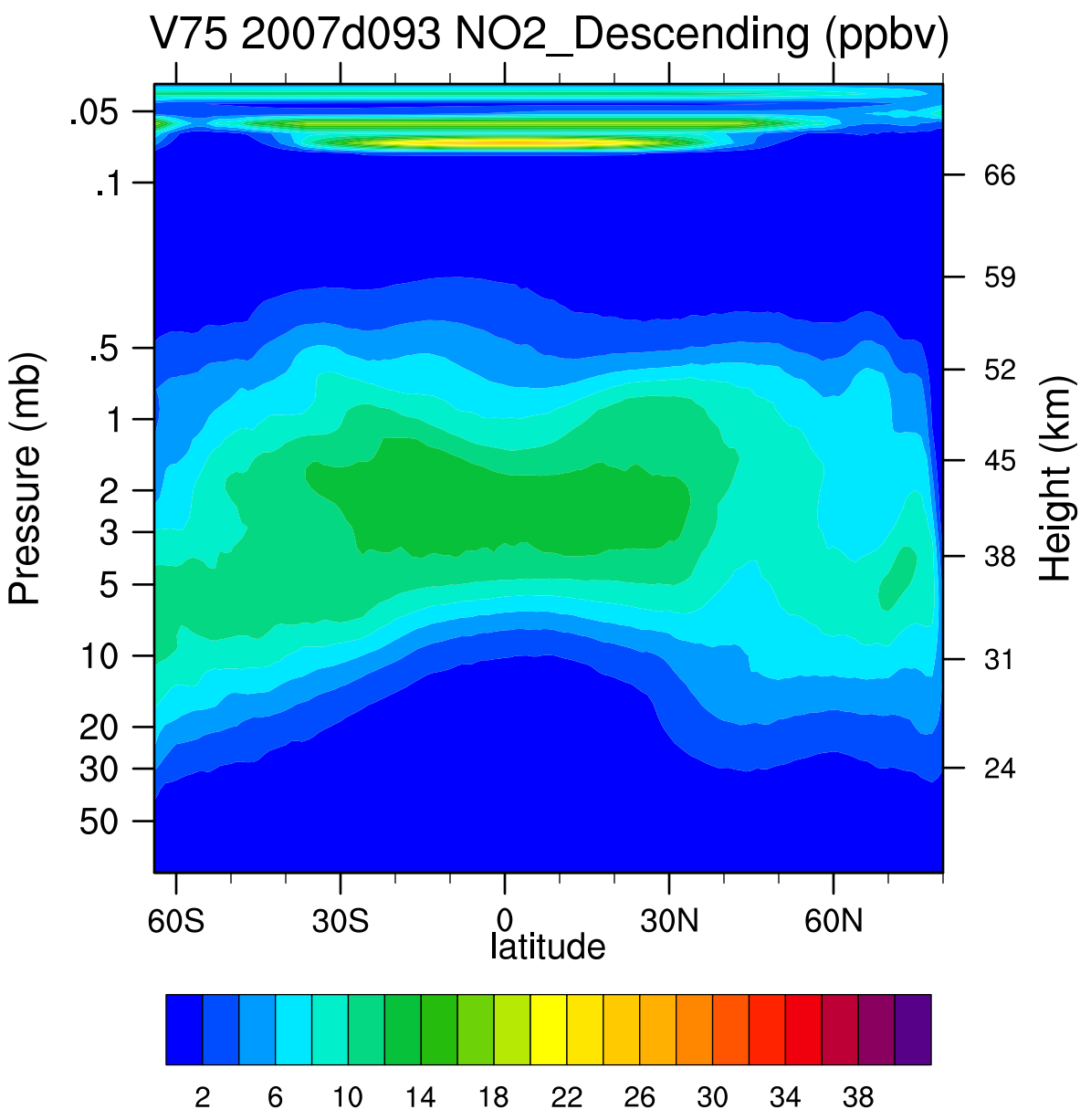
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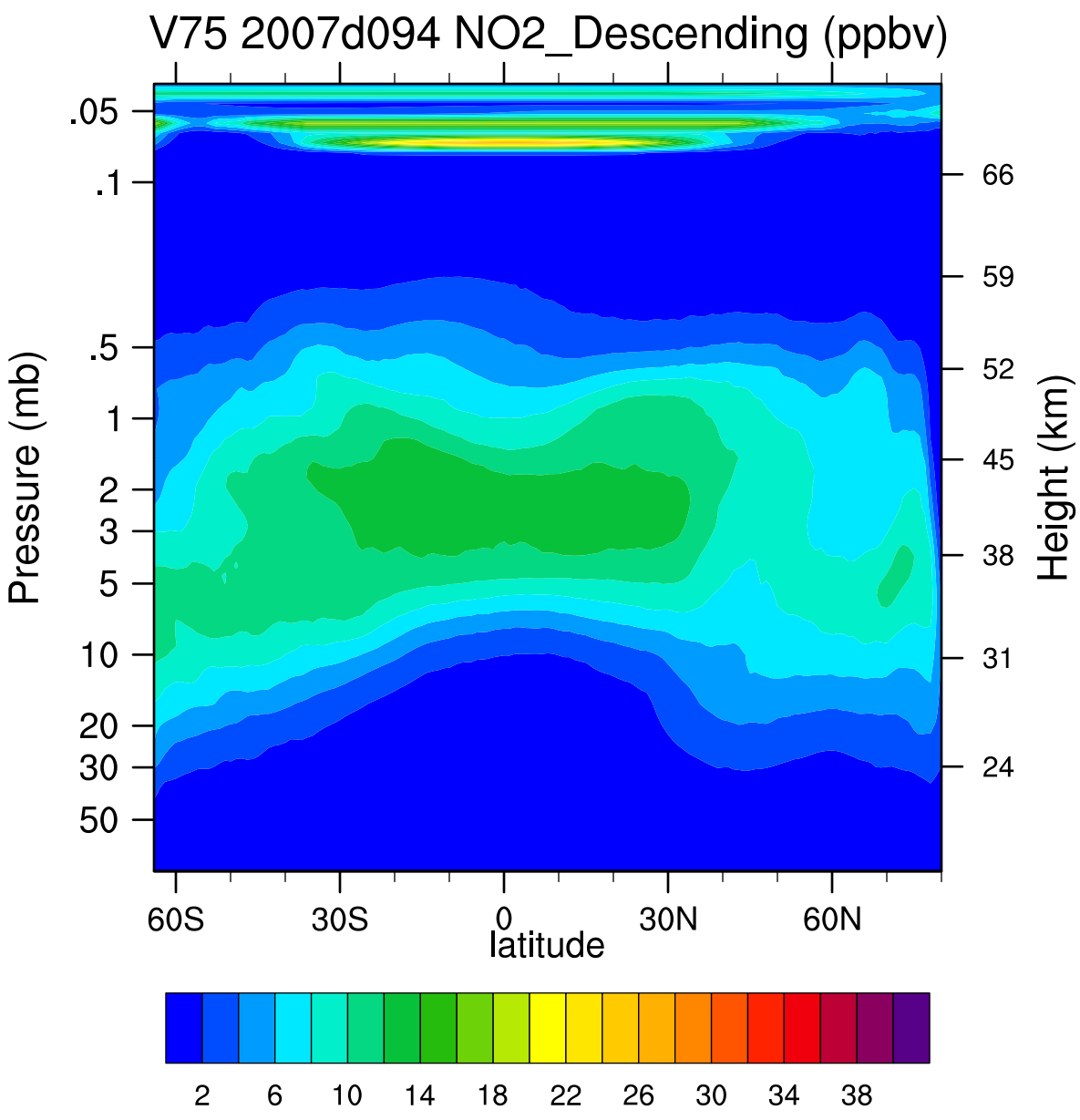
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Height (km)
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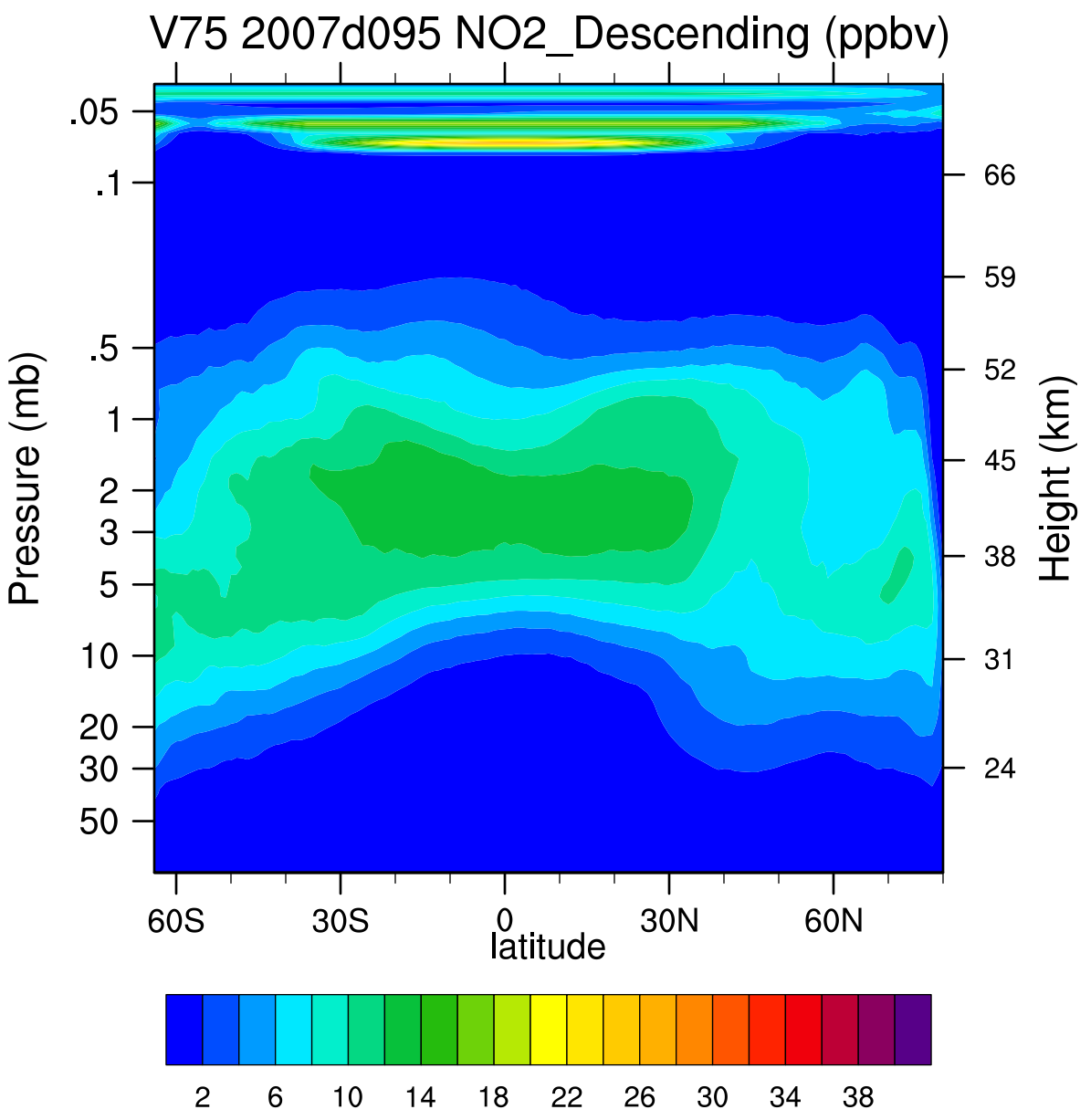
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Height (km)
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52
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60N
latitude
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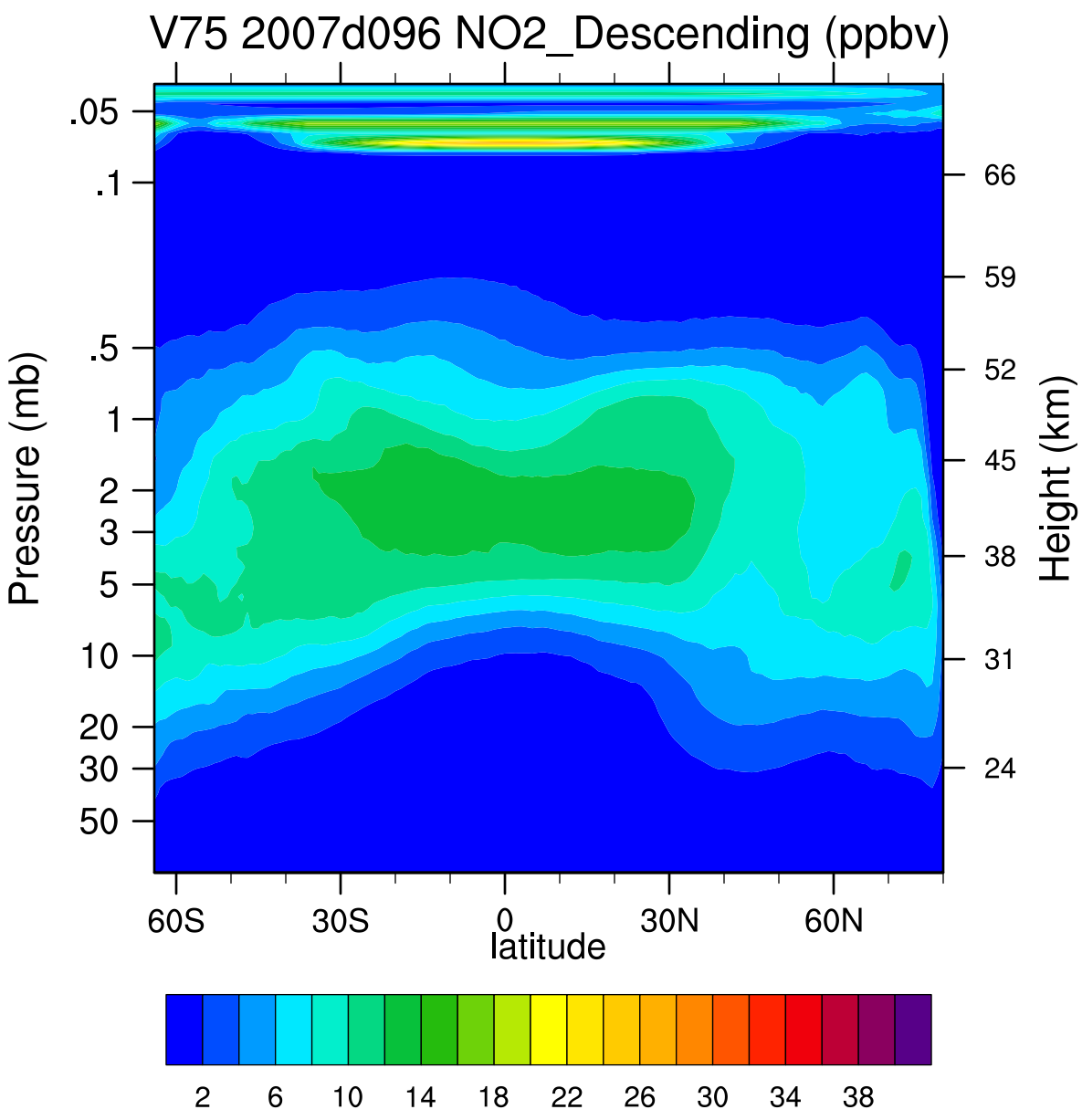
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Height (km)
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52
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latitude
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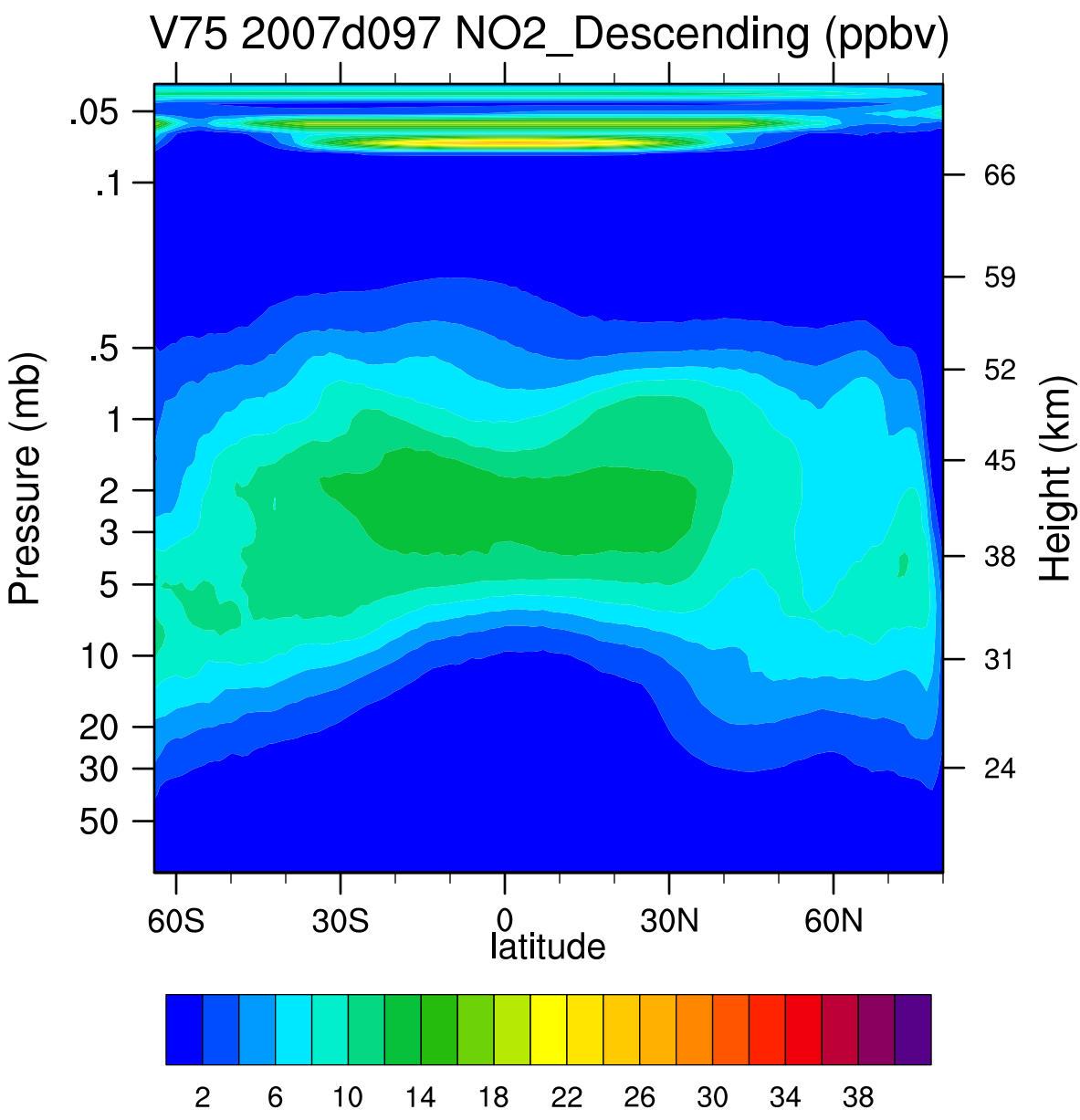
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Height (km)
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52
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latitude
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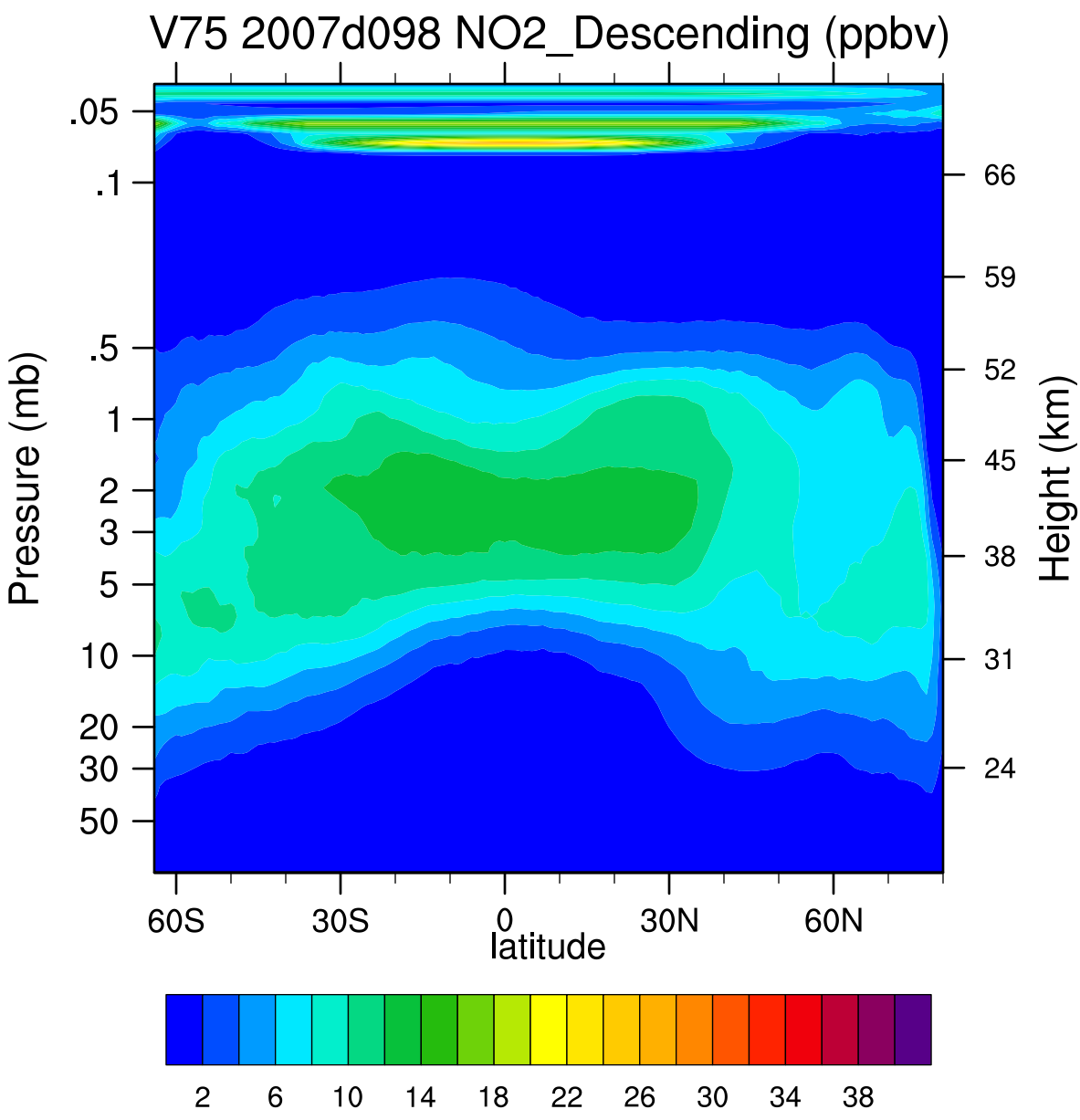
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Height (km)
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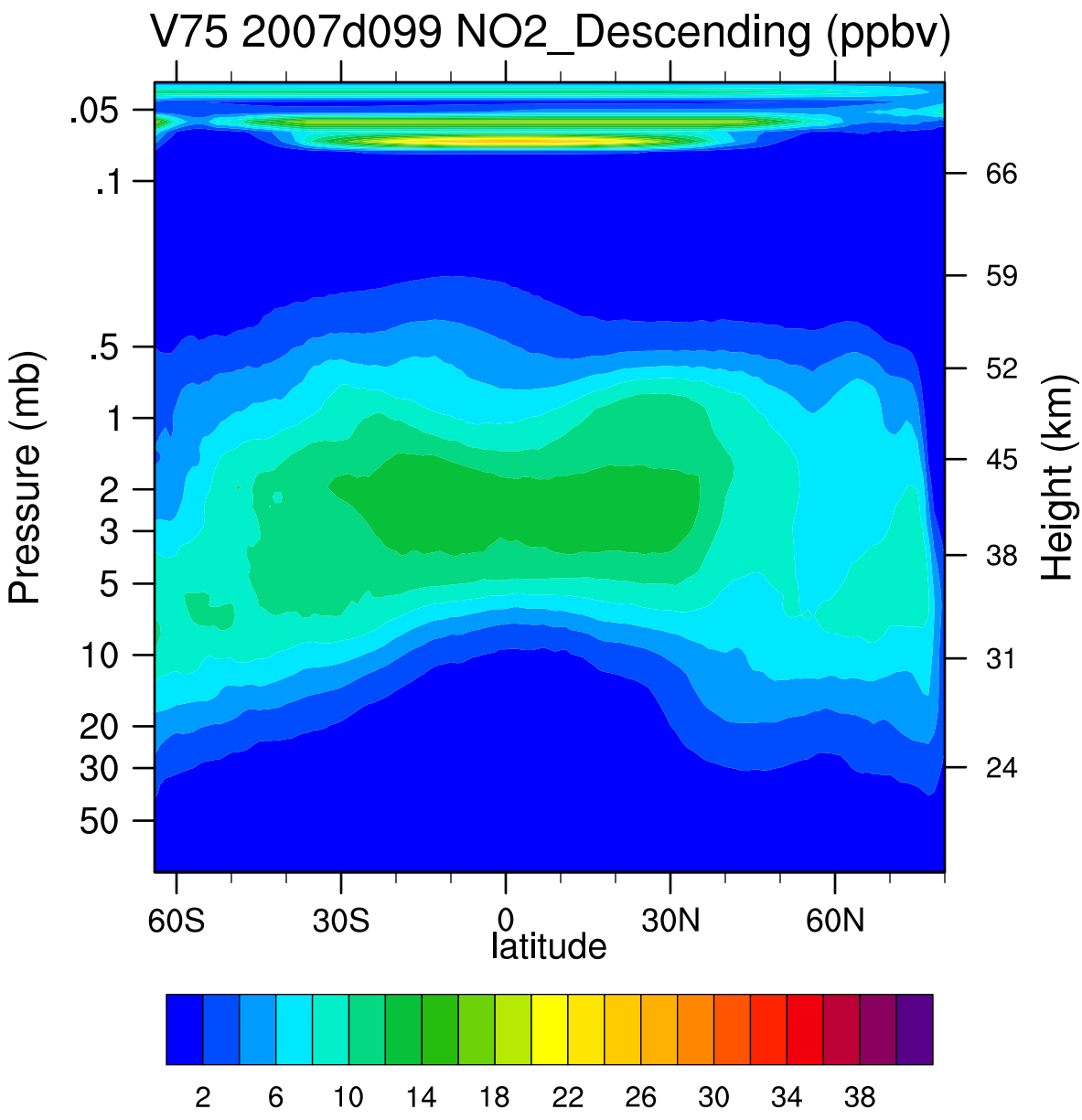
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Height (km)
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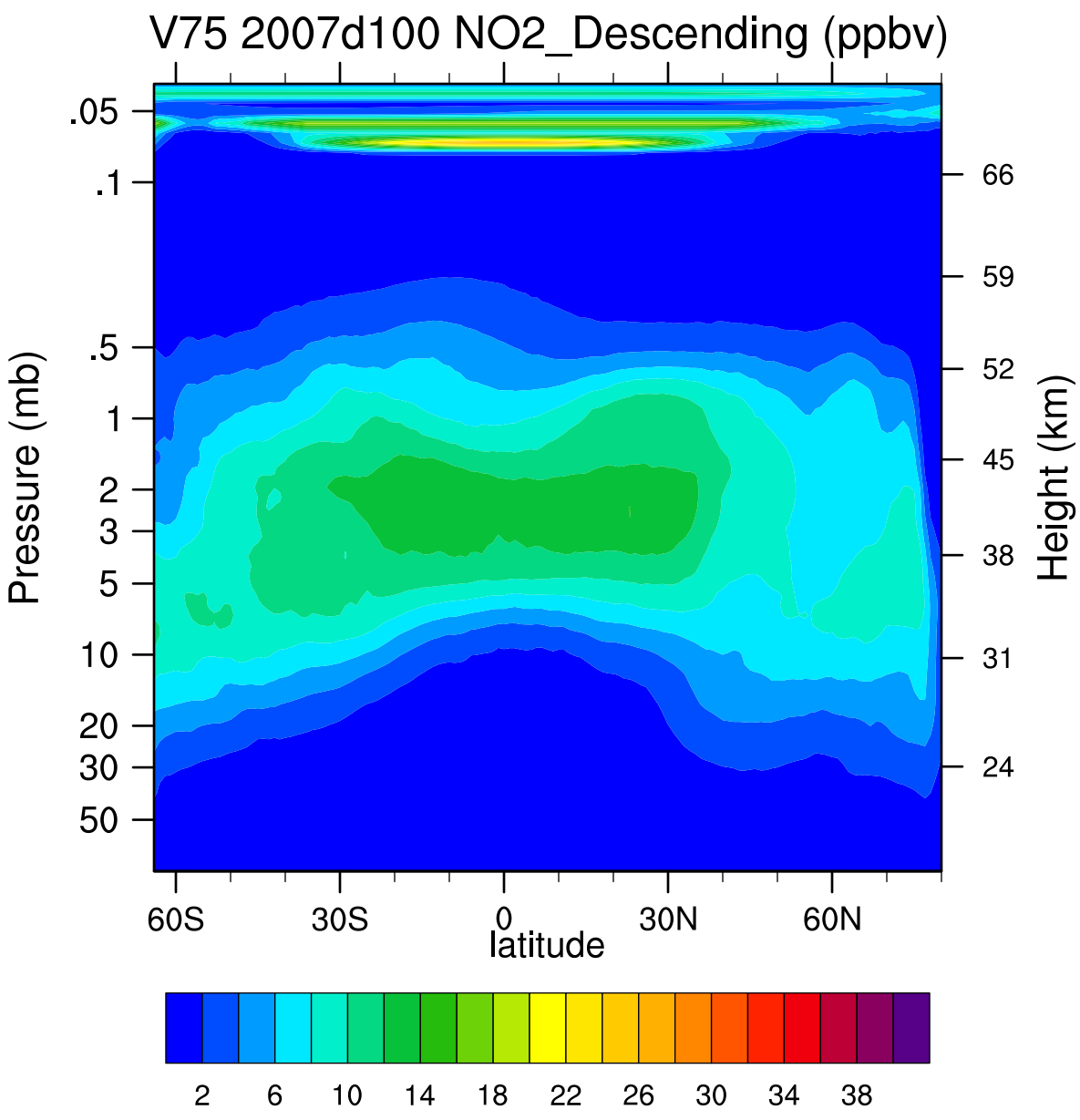
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Height (km)
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latitude
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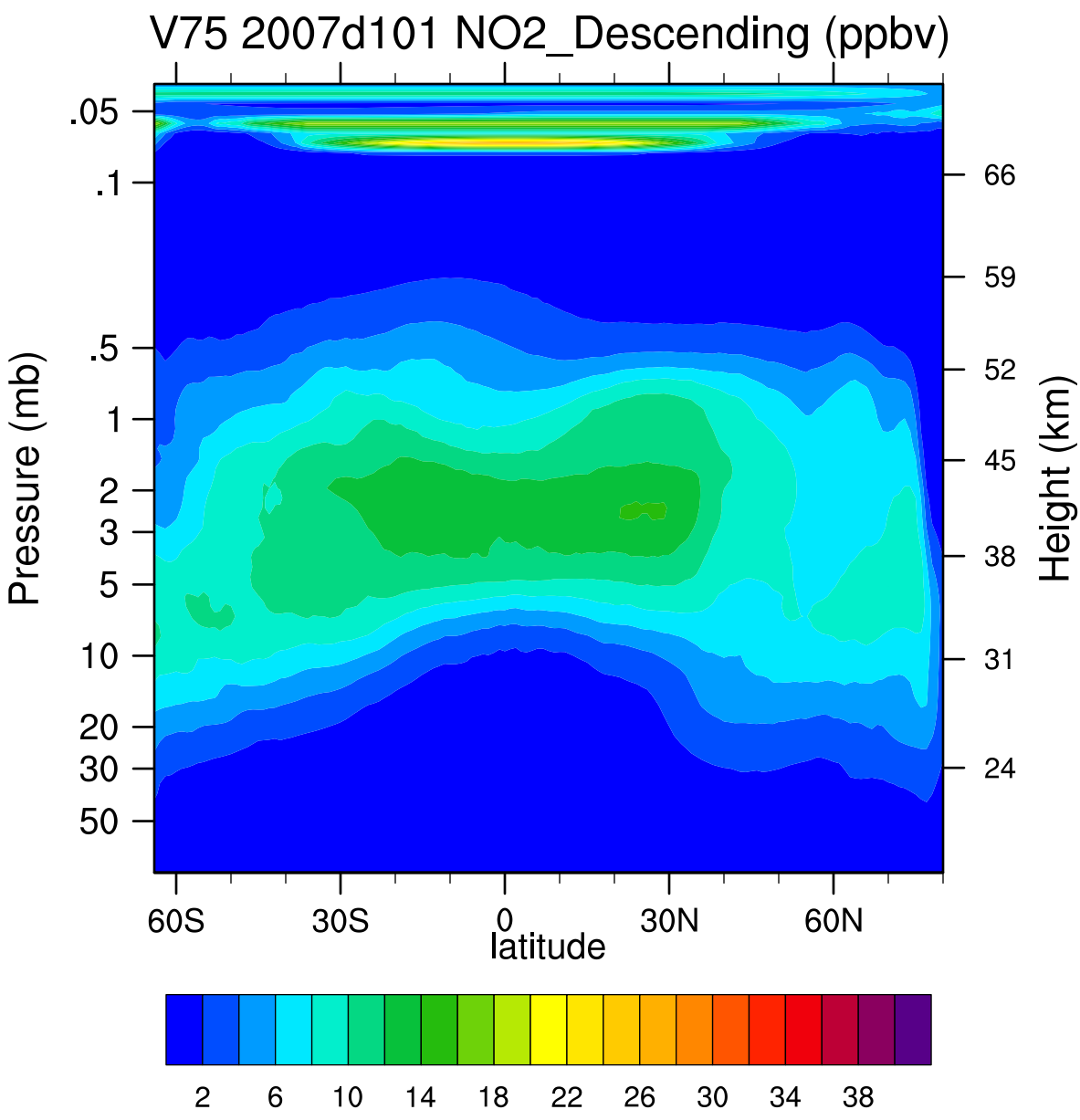
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Height (km)
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latitude
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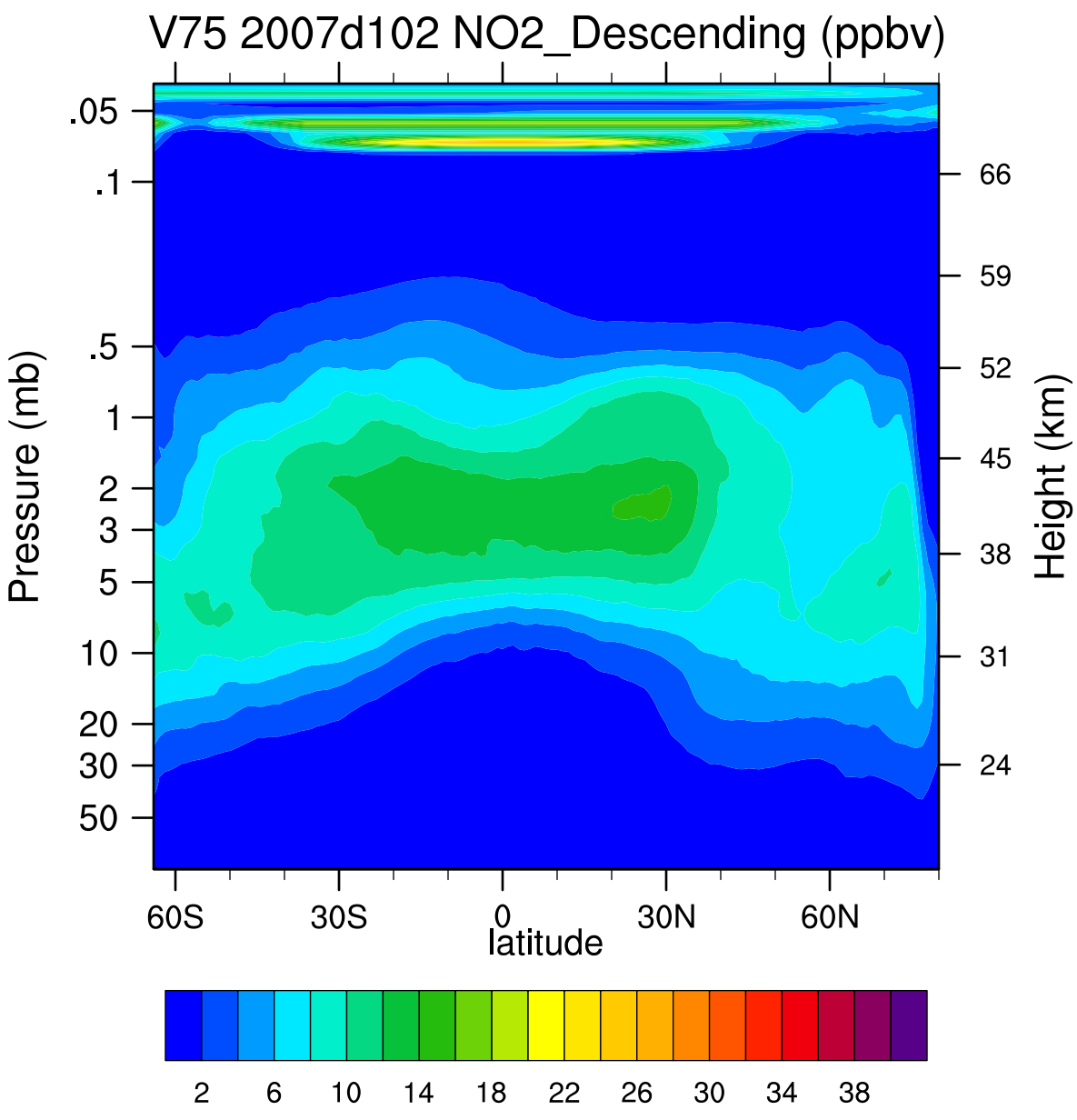
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Height (km)
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latitude
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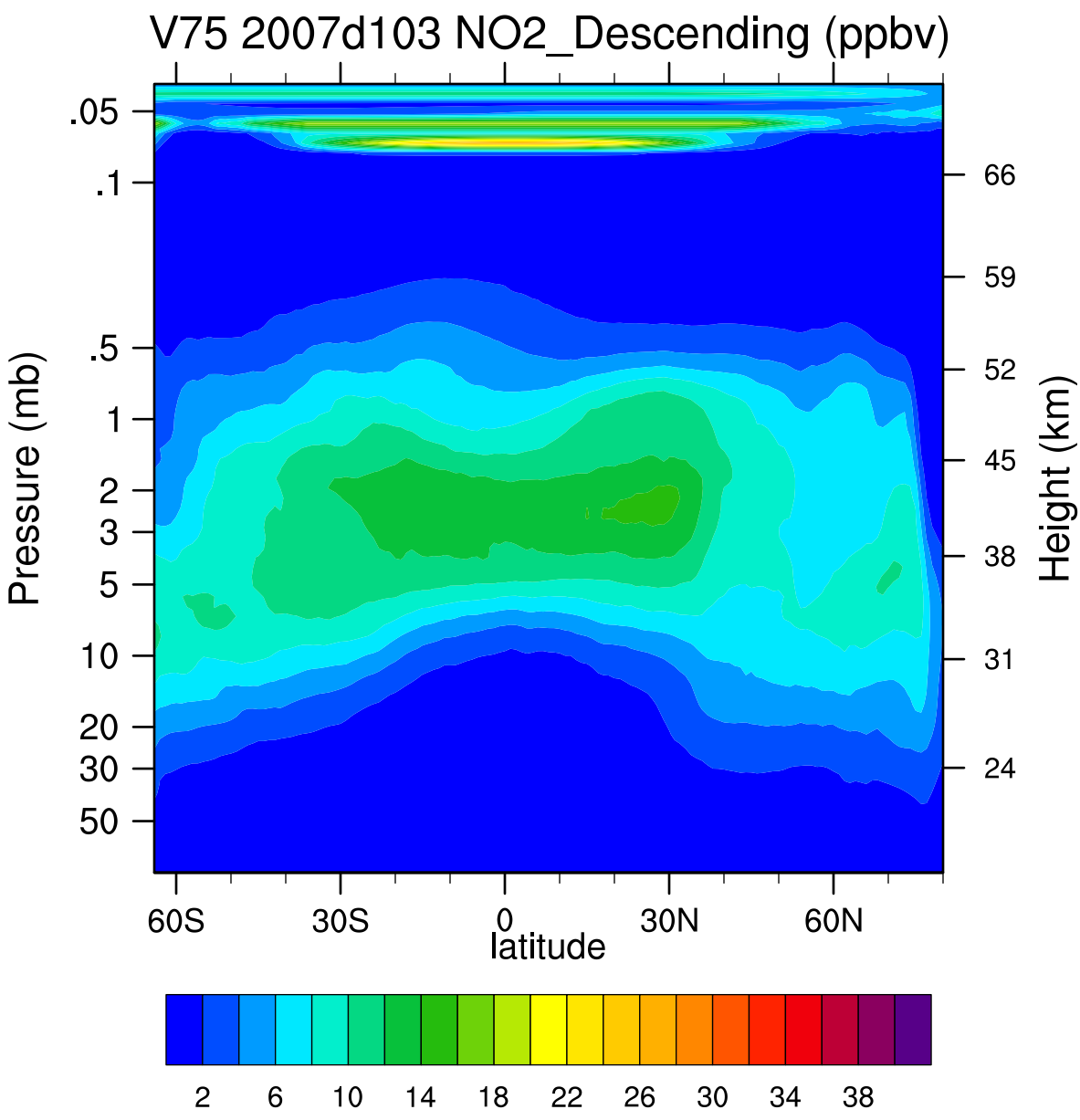
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Height (km)
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52
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latitude
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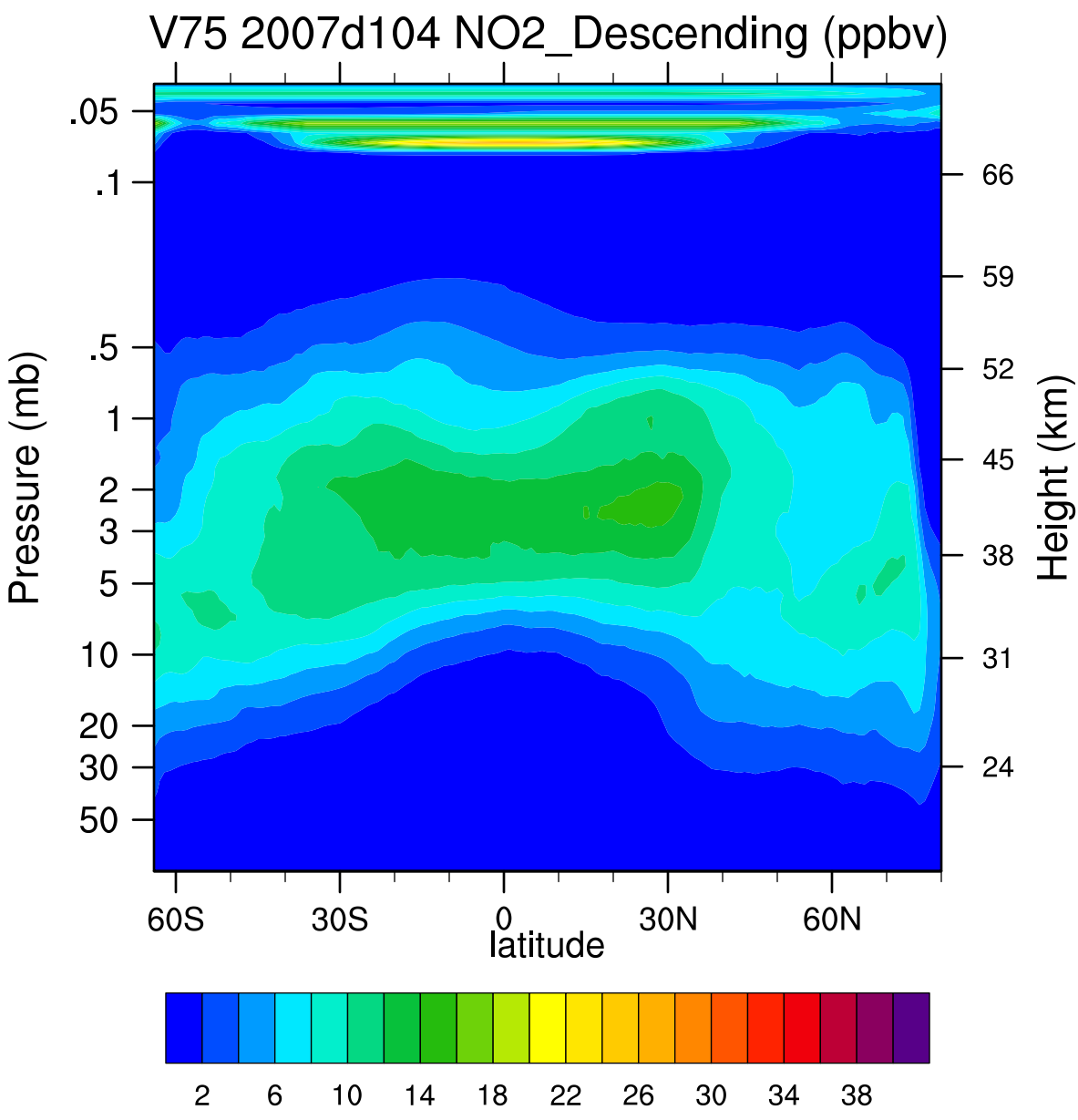
V75 2007d104 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
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Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
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10
14
18
22
26
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34
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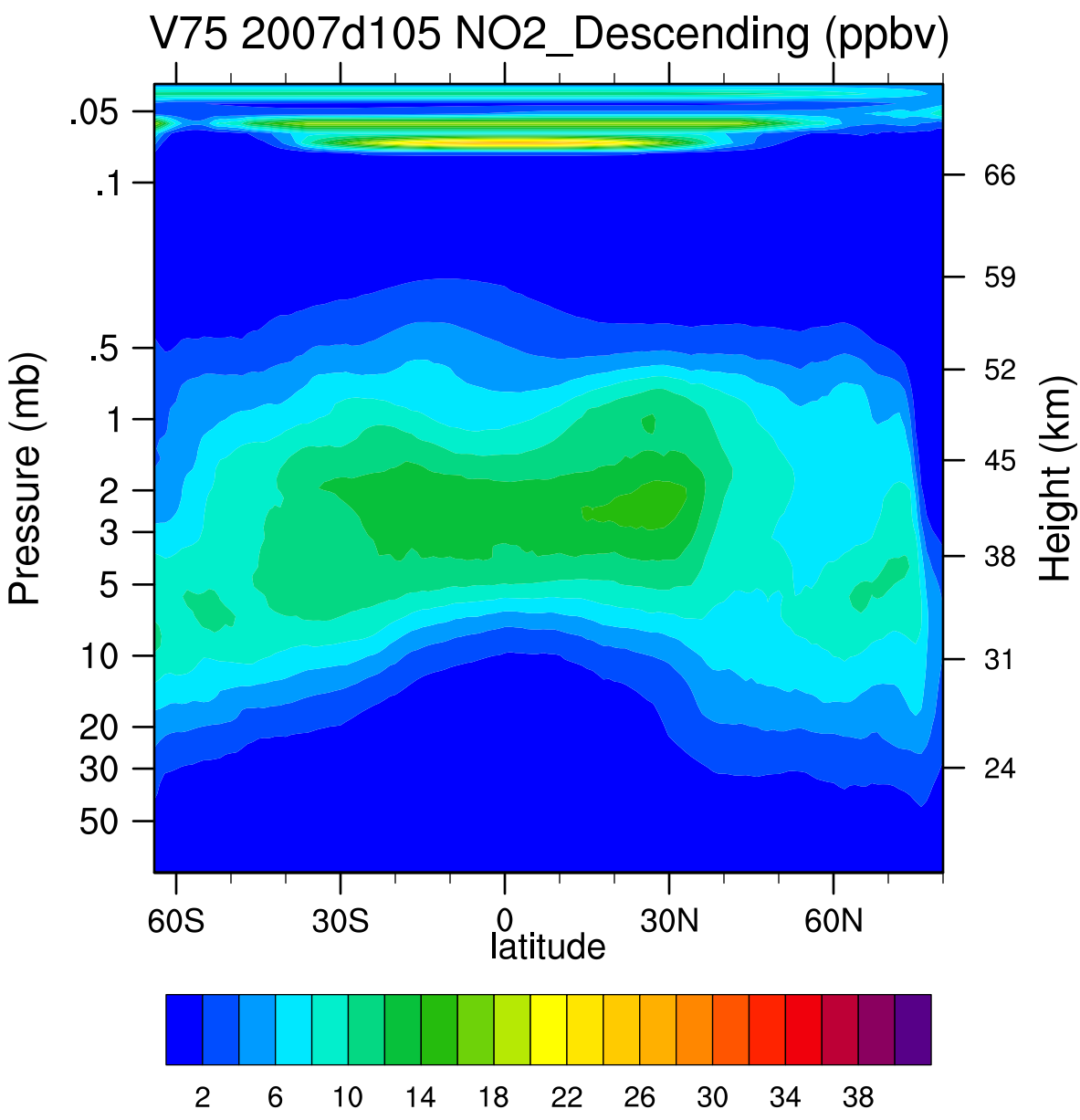
V75 2007d105 NO2_Descending (ppbv)
Pressure (mb)
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.1
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1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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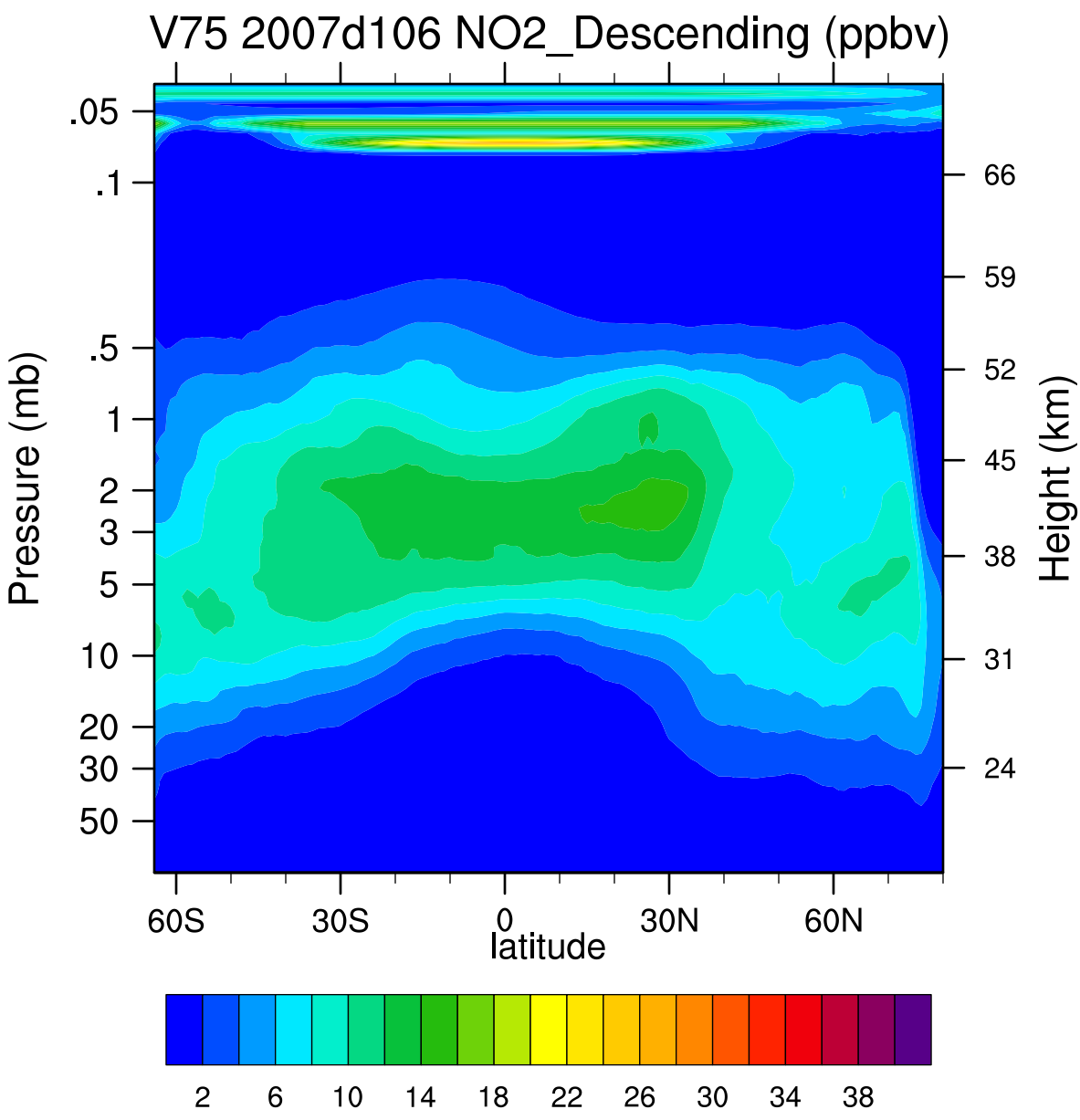
V75 2007d106 NO2_Descending (ppbv)
Pressure (mb)
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.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
6
10
14
18
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26
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34
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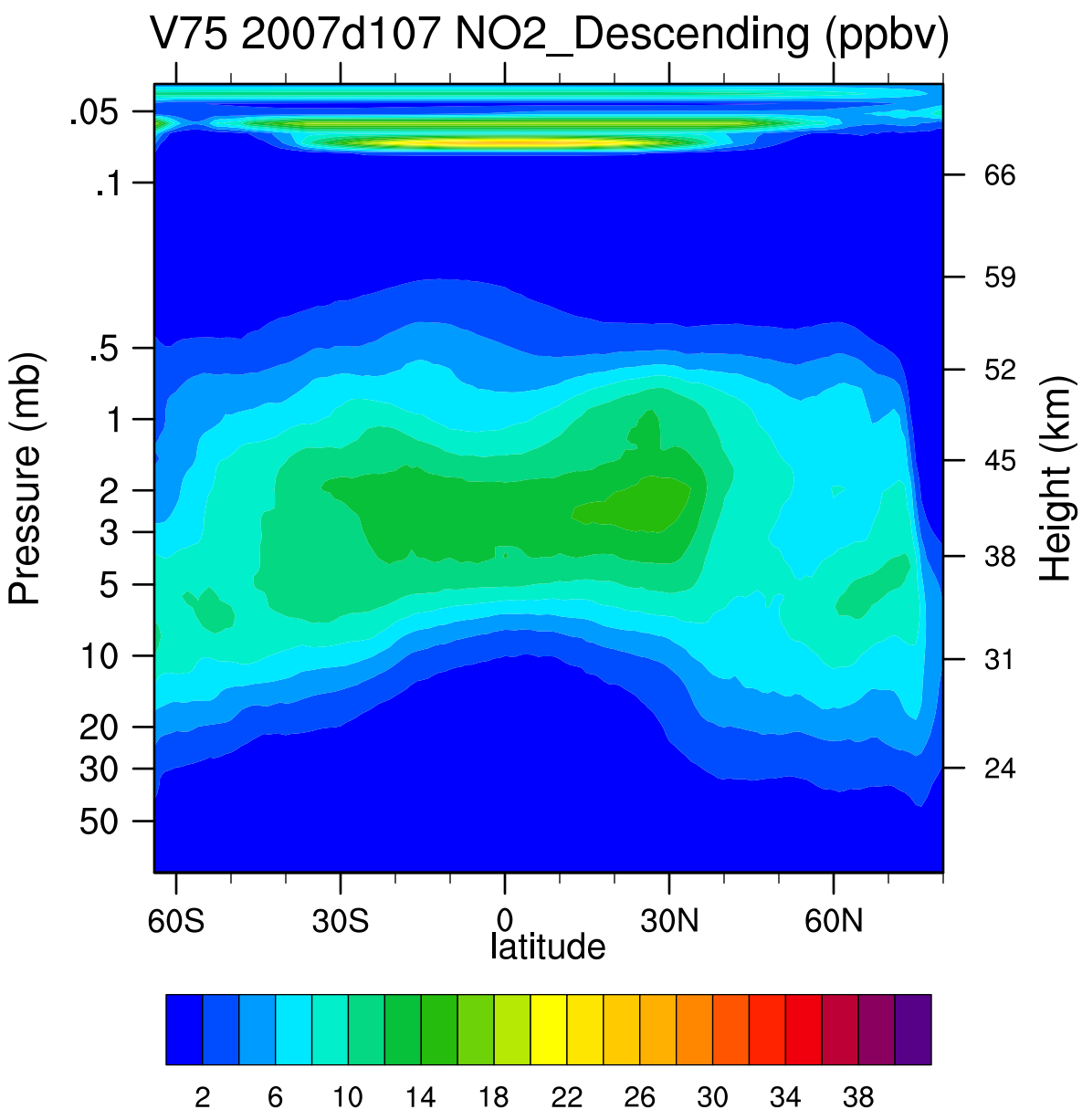
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Pressure (mb)
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1
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5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
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10
14
18
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26
30
34
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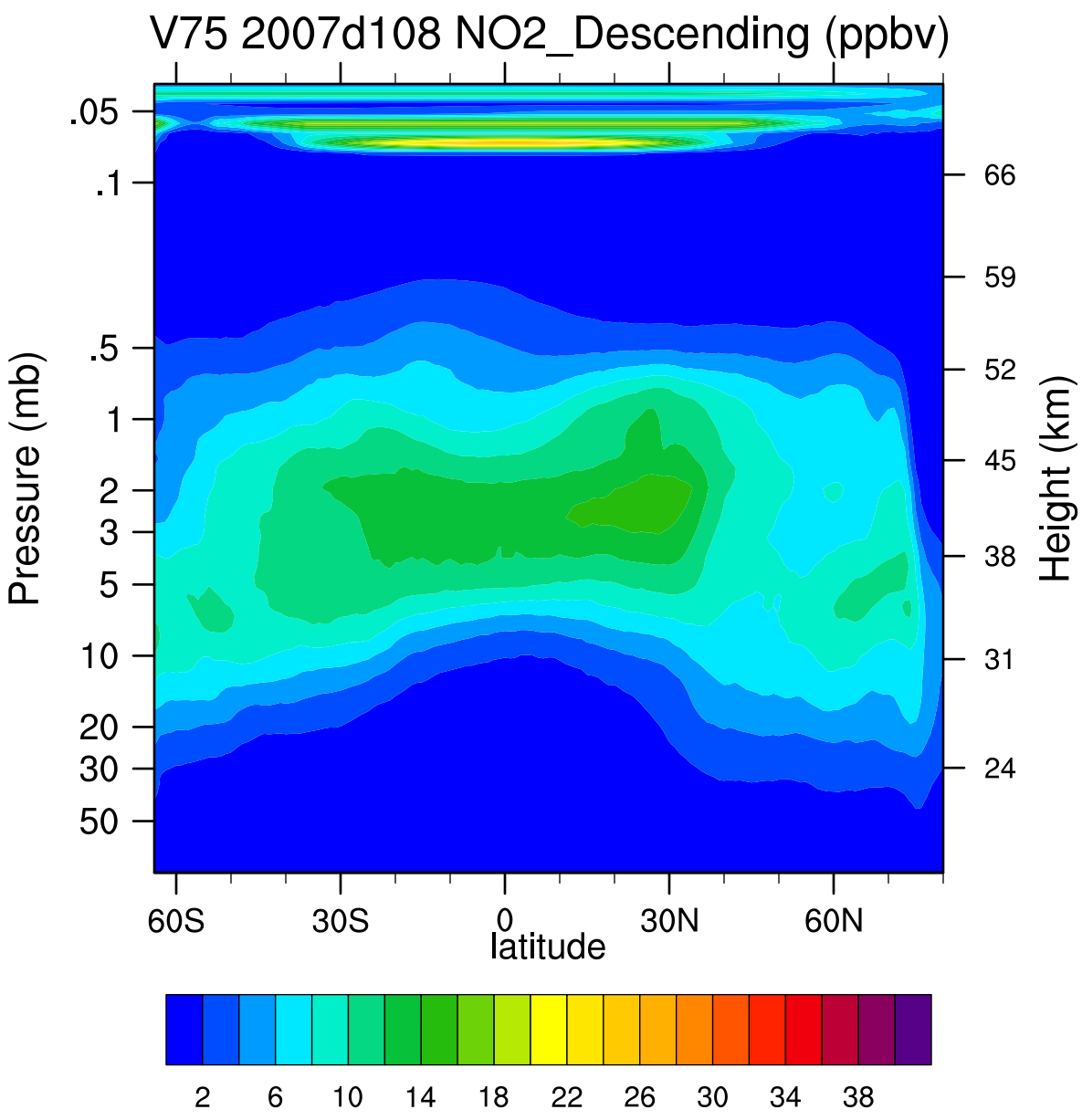
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3
5
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50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
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30S
0
30N
60N
latitude
2
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10
14
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26
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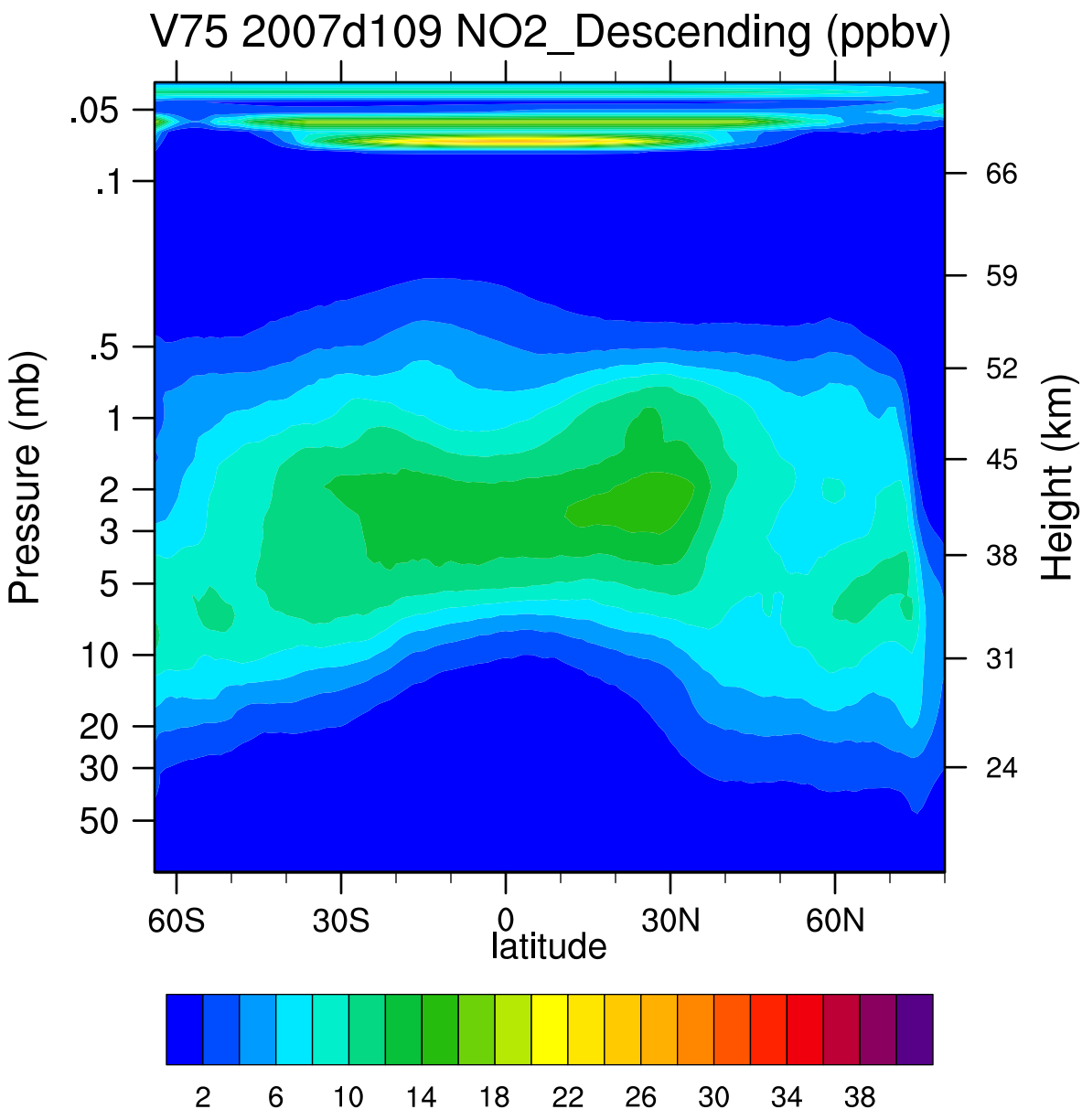
V75 2007d109 NO2_Descending (ppbv)
Pressure (mb)
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.1
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1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
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24
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30S
0
30N
60N
latitude
2
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10
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26
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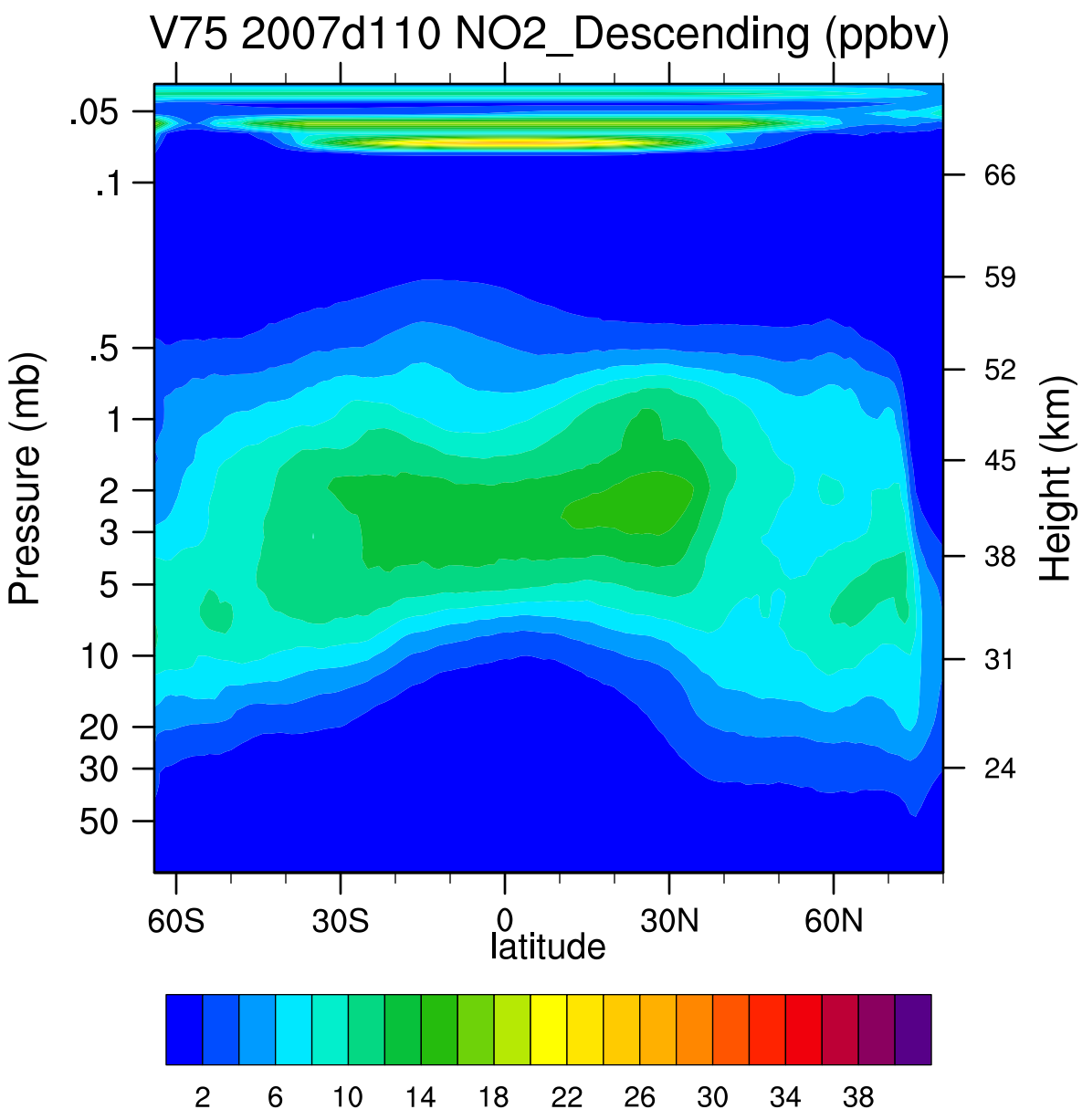
V75 2007d110 NO2_Descending (ppbv)
Pressure (mb)
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Height (km)
66
59
52
45
38
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30S
0
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60N
latitude
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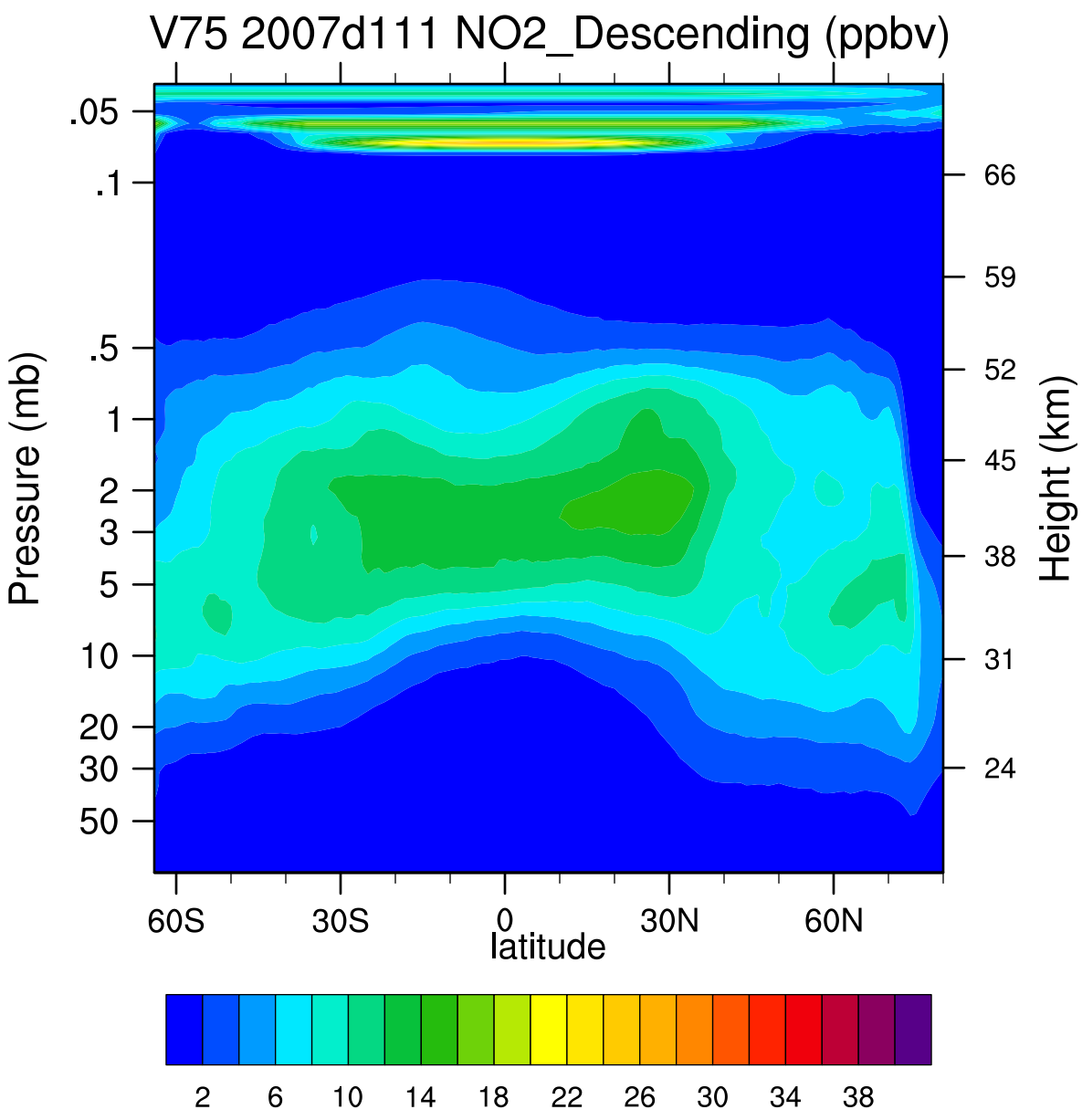
V75 2007d111 NO2_Descending (ppbv)
Pressure (mb)
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2
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Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
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10
14
18
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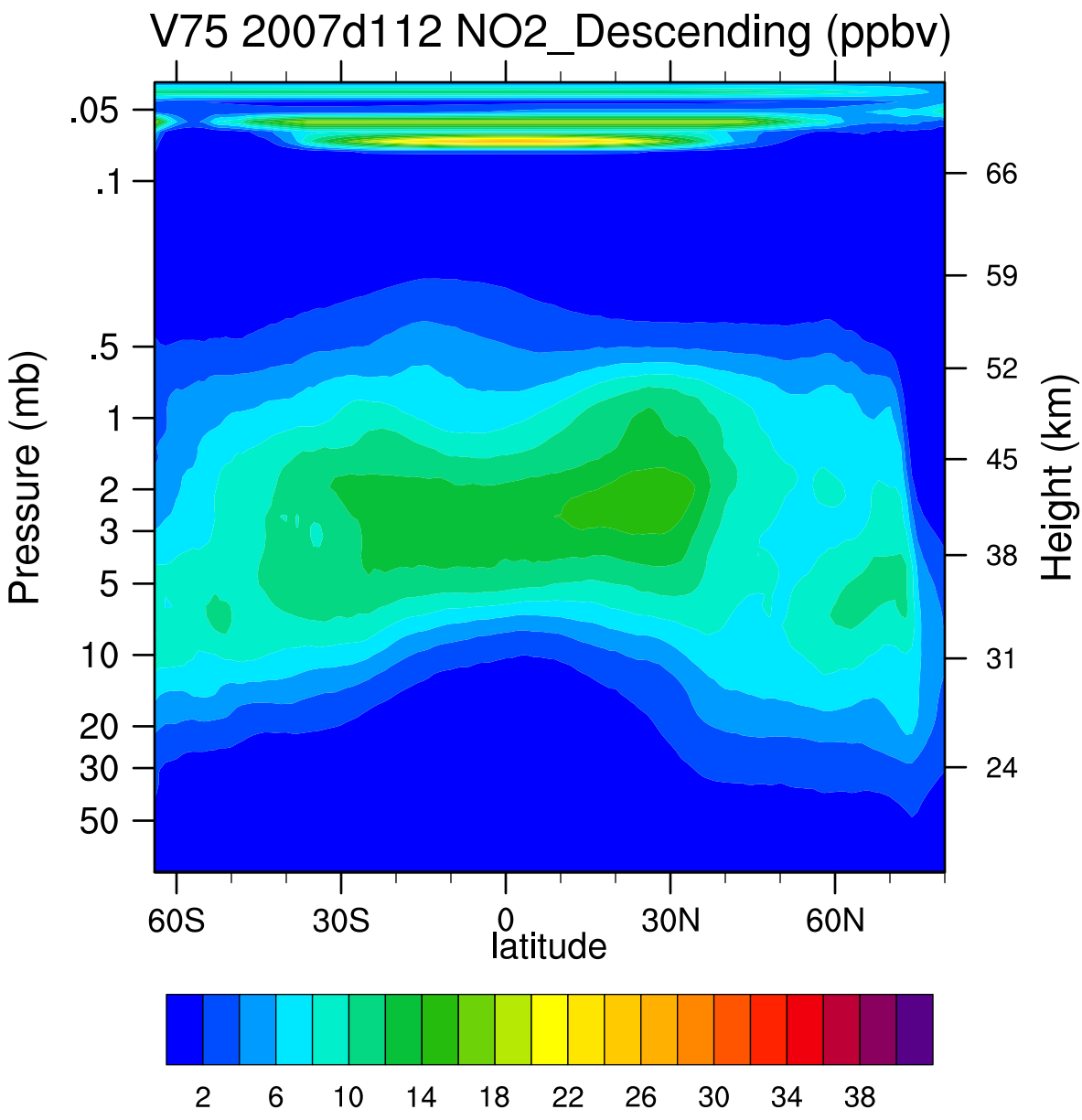
26
30
34
38


V75 2007d112 NO2_Descending (ppbv)
Pressure (mb)
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5
10
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50
Height (km)
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59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
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10
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18
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26
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34
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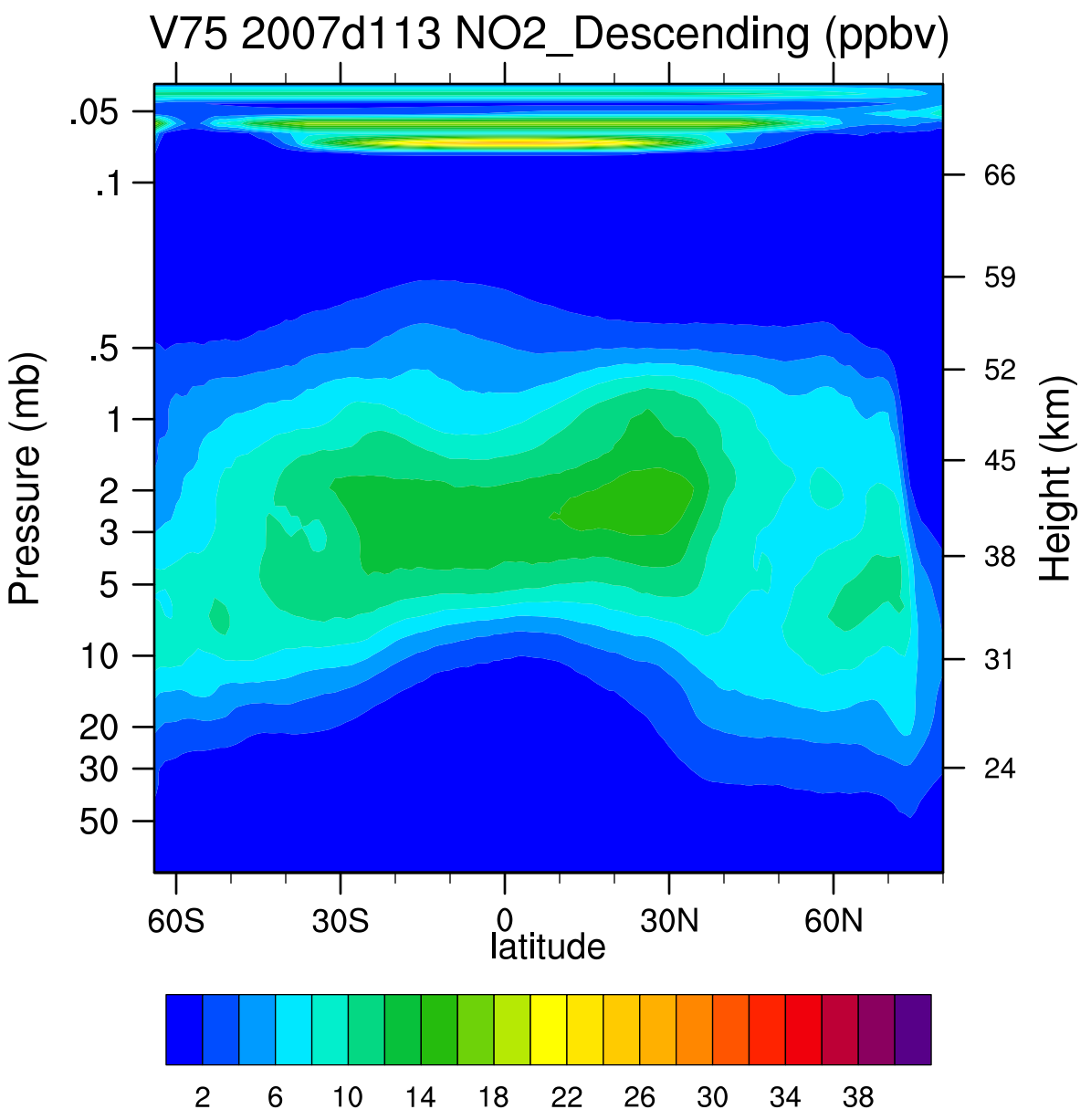
V75 2007d113 NO2_Descending (ppbv)
Pressure (mb)
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.5
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3
5
10
20
30
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Height (km)
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59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
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10
14
18
22
26
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34
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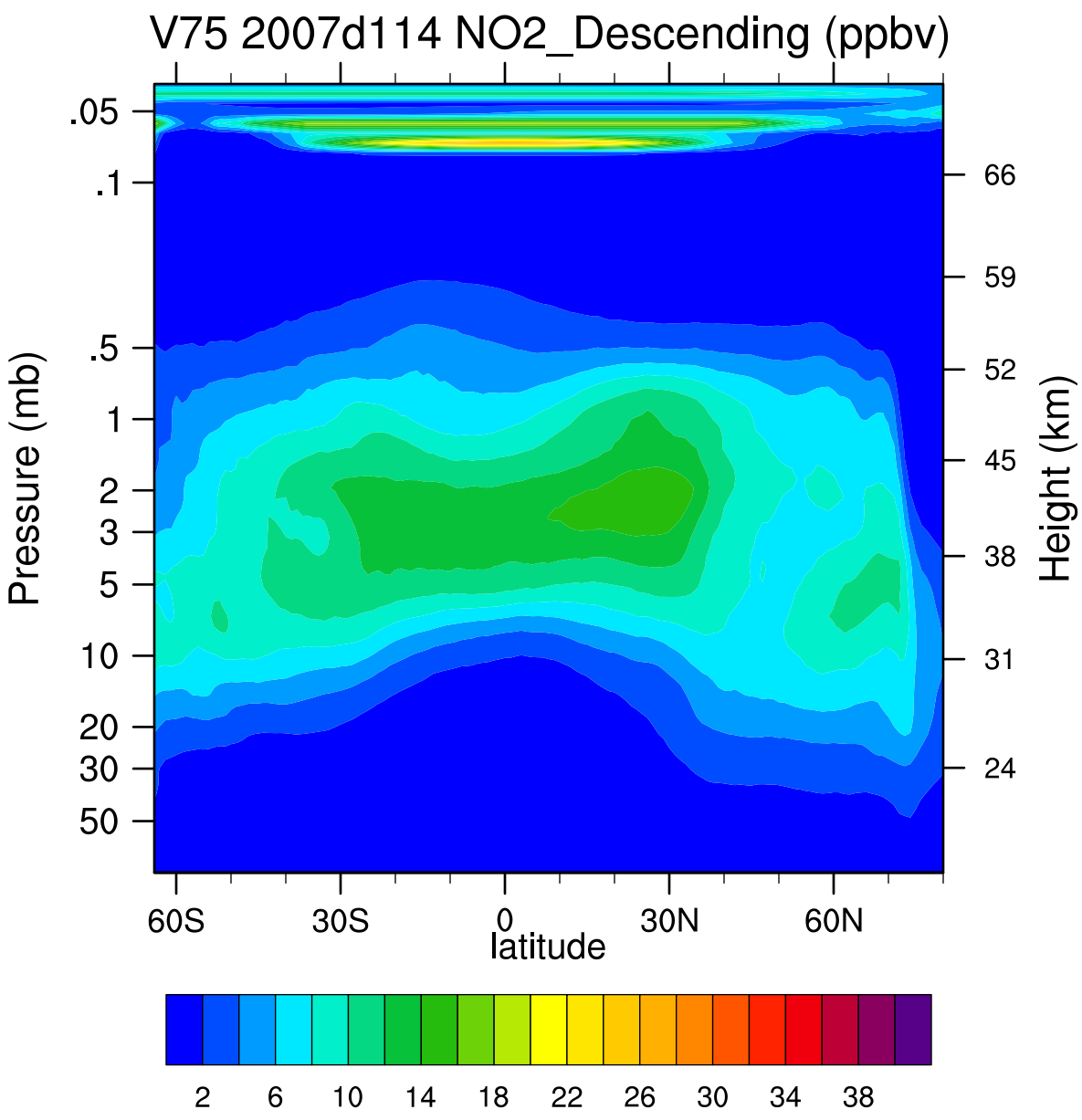
V75 2007d114 NO2_Descending (ppbv)
Pressure (mb)
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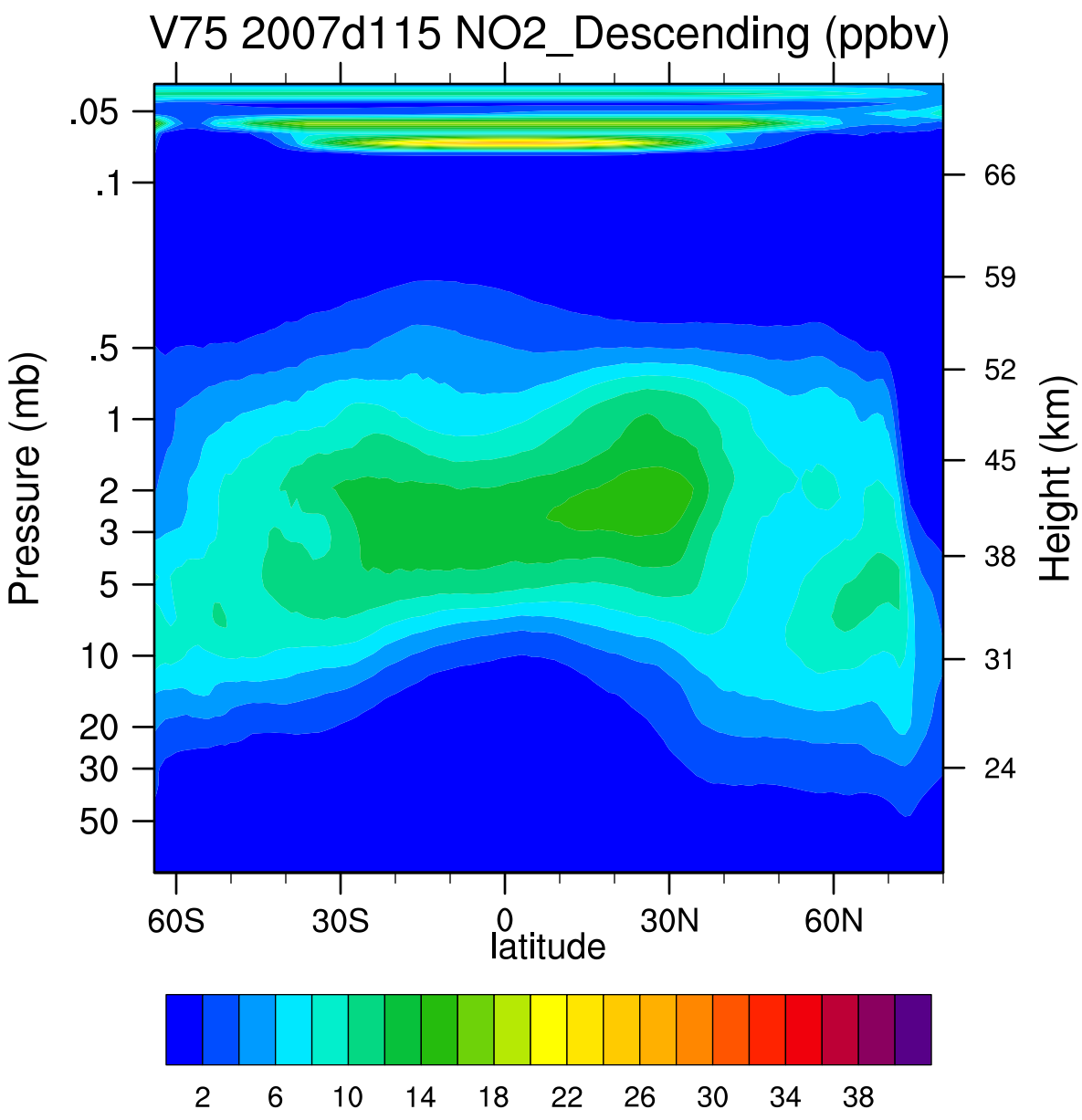
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2007d115 NO2_Descending (ppbv)
Pressure (mb)
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.5
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2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
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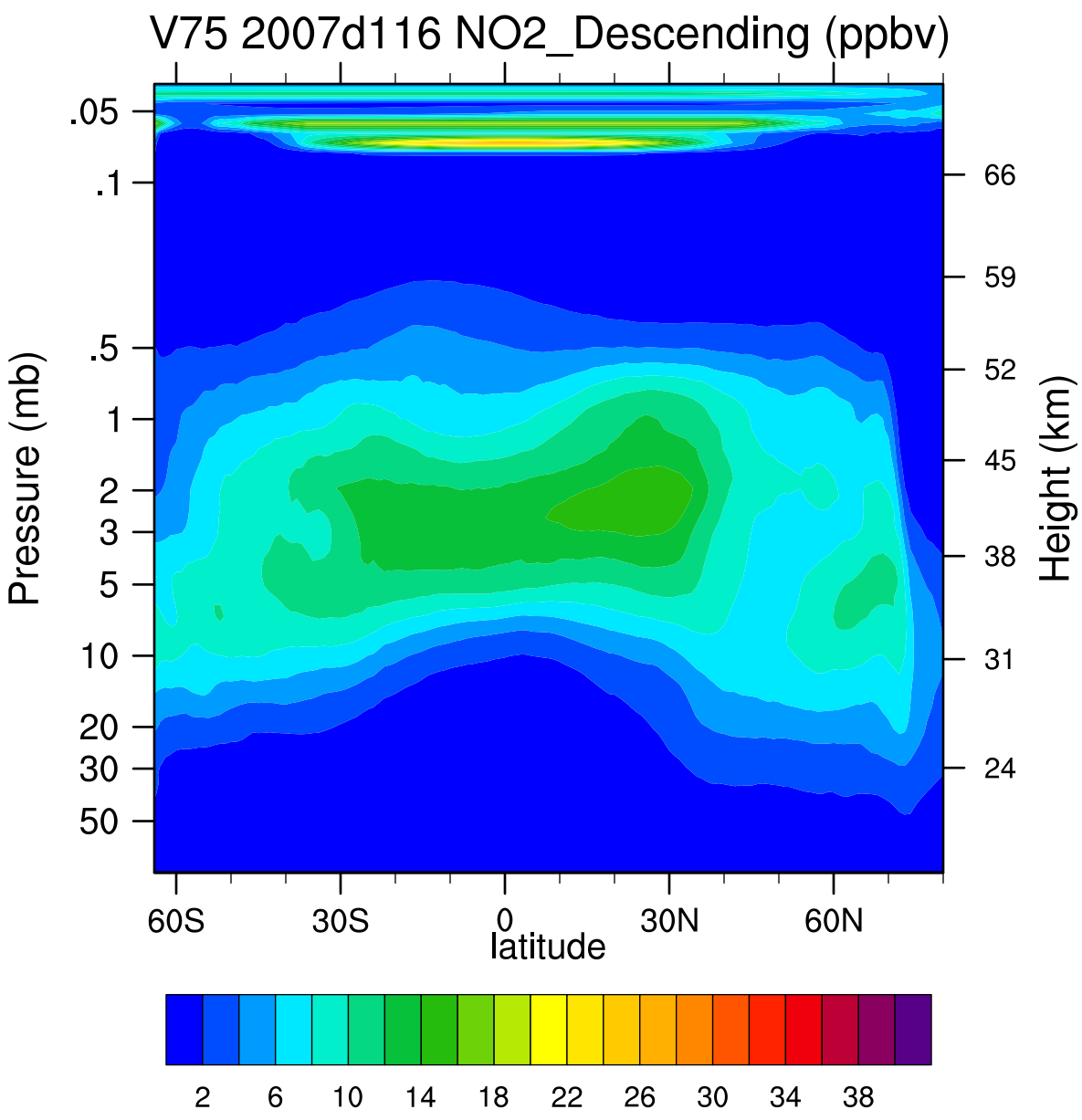
26
30
34
38


V75 2007d116 NO2_Descending (ppbv)
Pressure (mb)
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.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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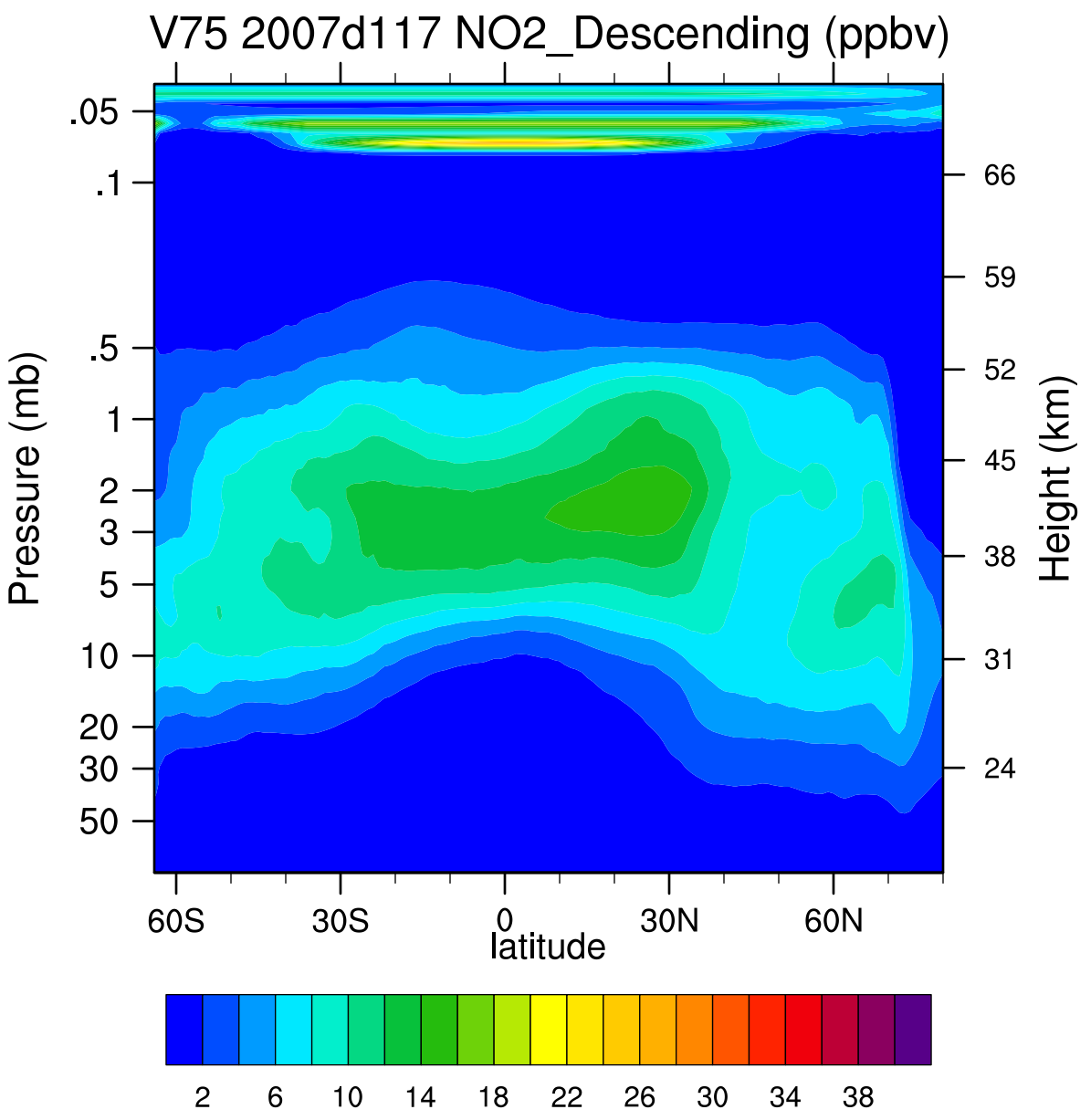
V75 2007d117 NO2_Descending (ppbv)
Pressure (mb)
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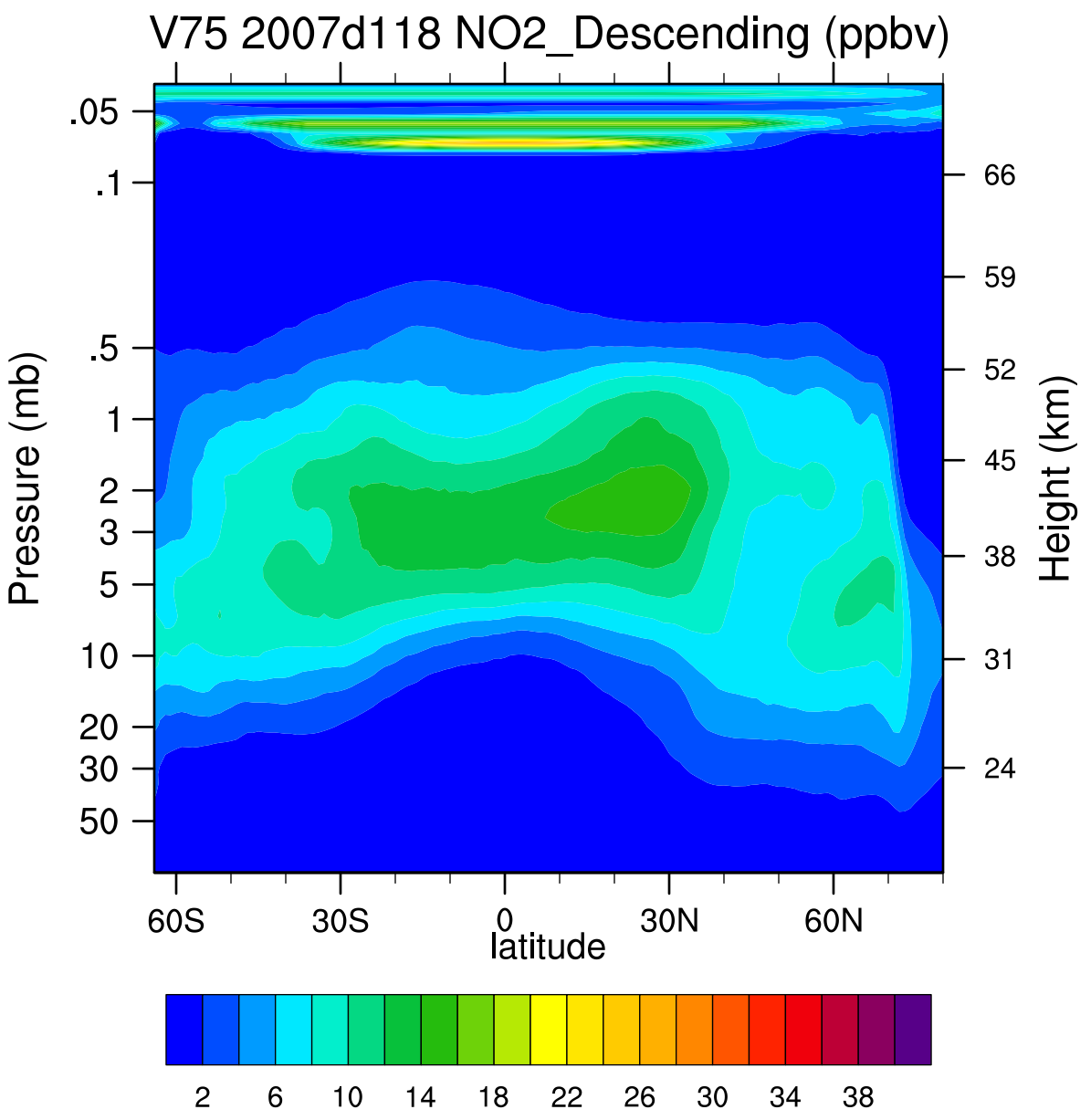
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2007d118 NO2_Descending (ppbv)
Pressure (mb)
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.5
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2
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5
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30
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Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
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10
14
18
22
26
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34
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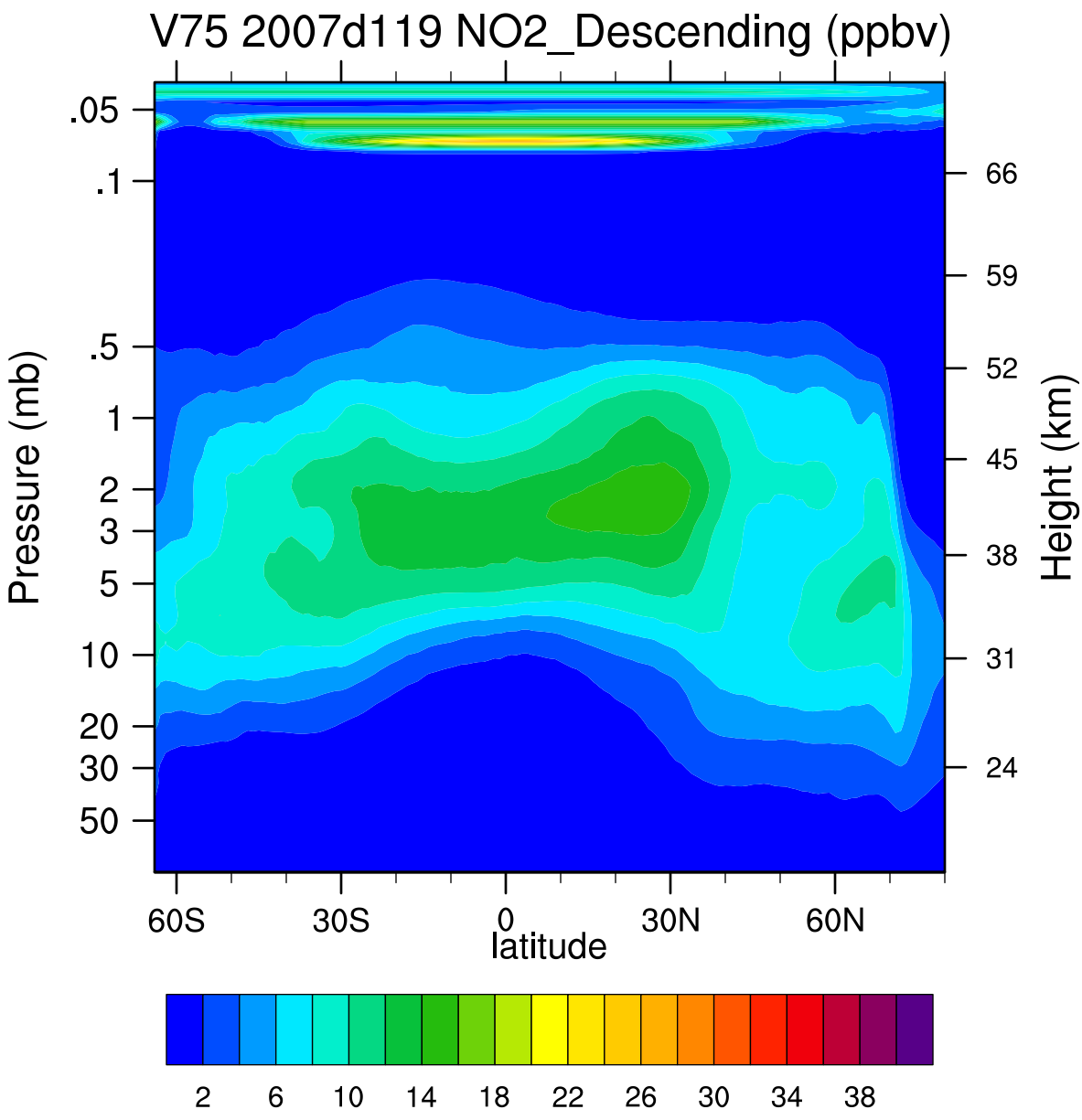
V75 2007d119 NO2_Descending (ppbv)
Pressure (mb)
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.5
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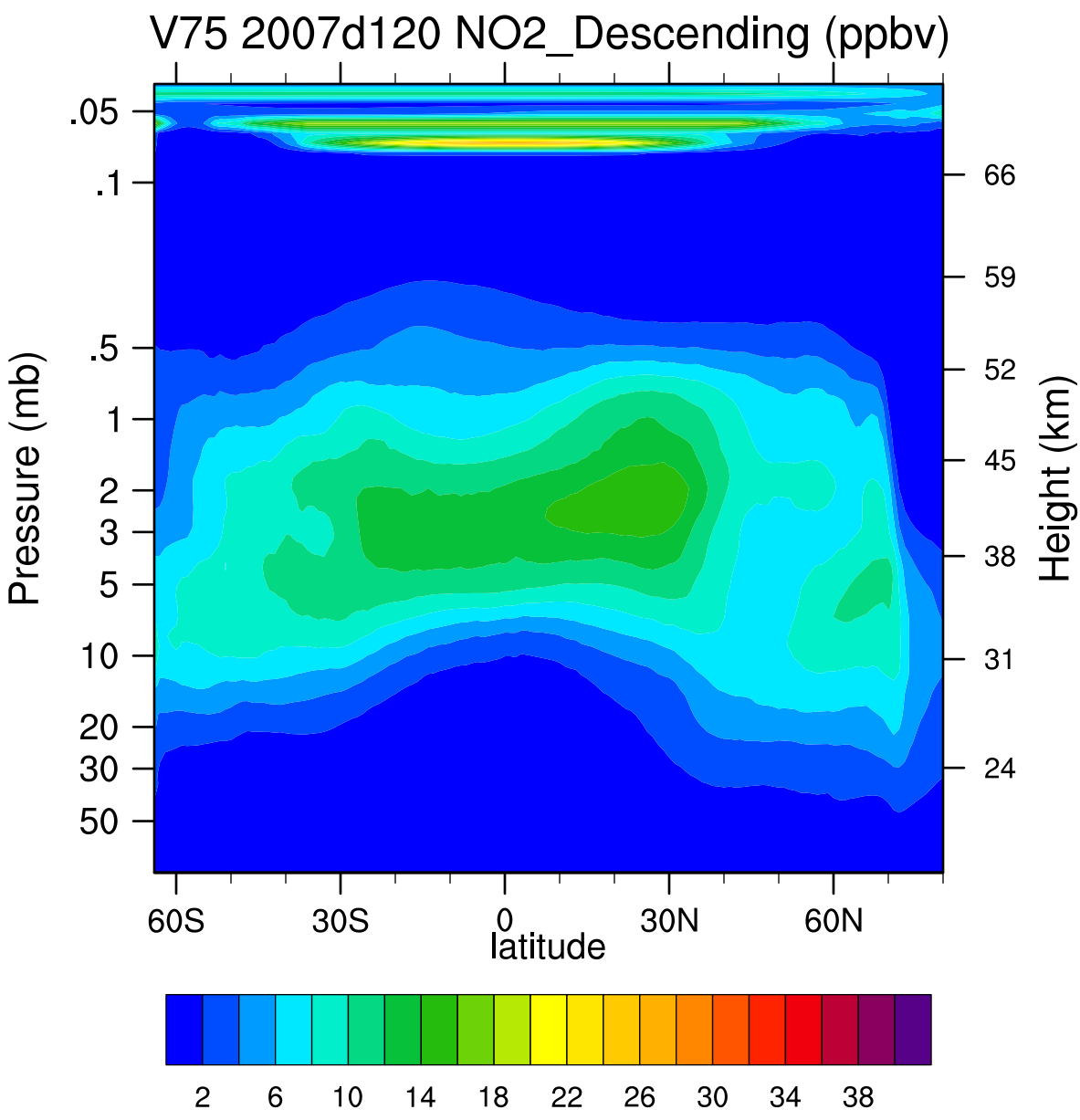
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2007d120 NO2_Descending (ppbv)
Pressure (mb)
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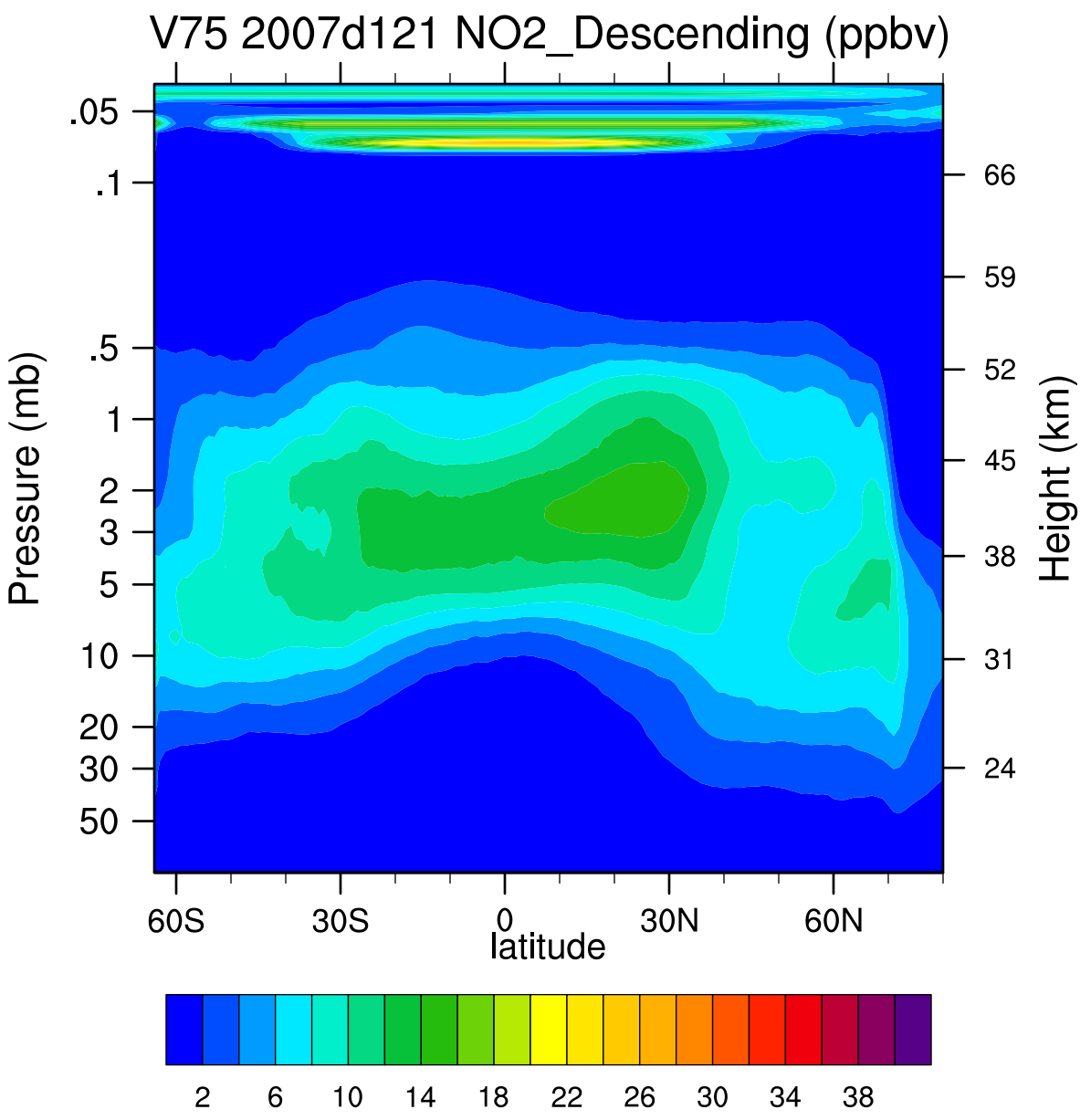
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2007d121 NO2_Descending (ppbv)
Pressure (mb)
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.5
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2
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5
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Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
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34
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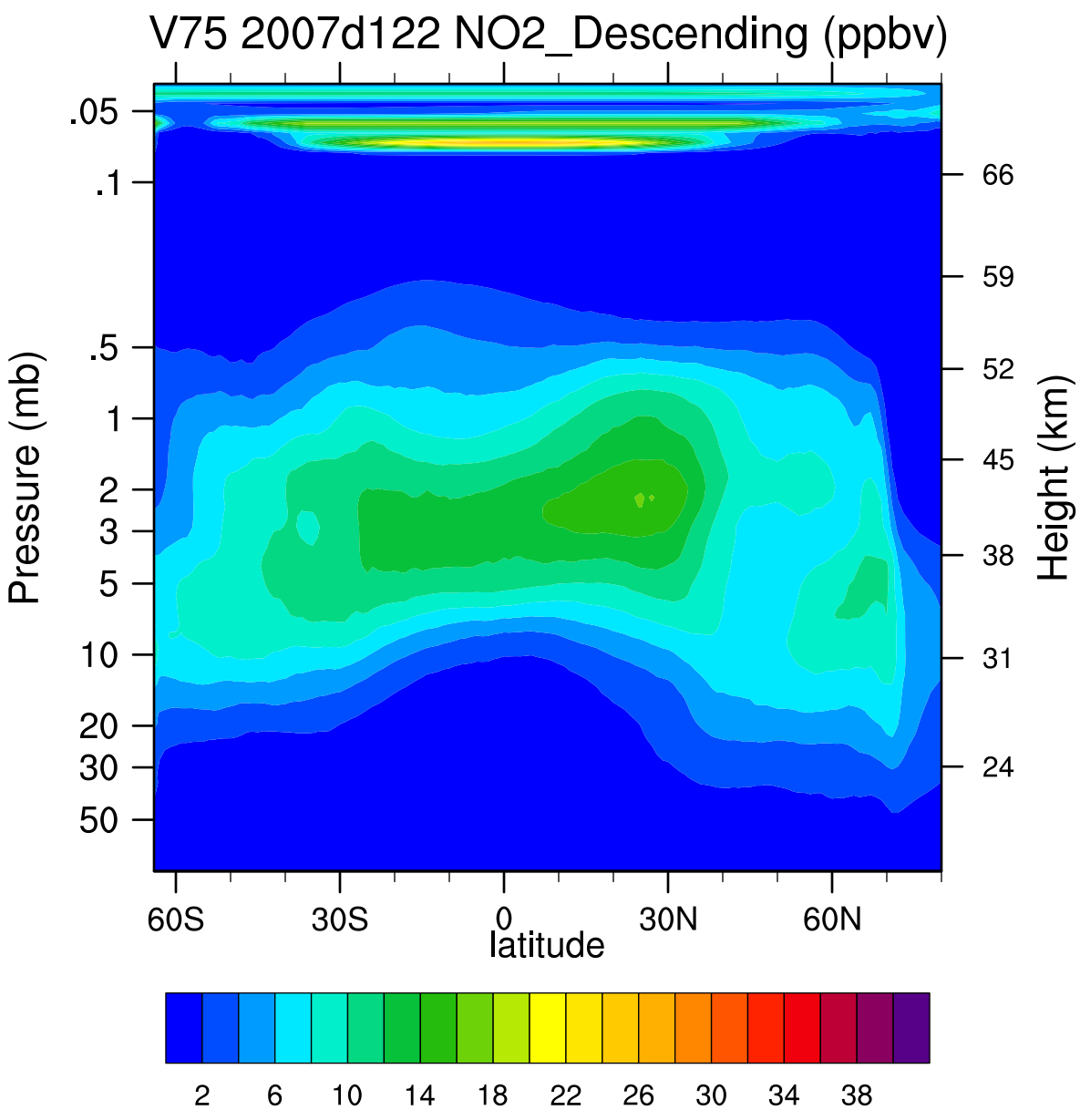
V75 2007d122 NO2_Descending (ppbv)
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Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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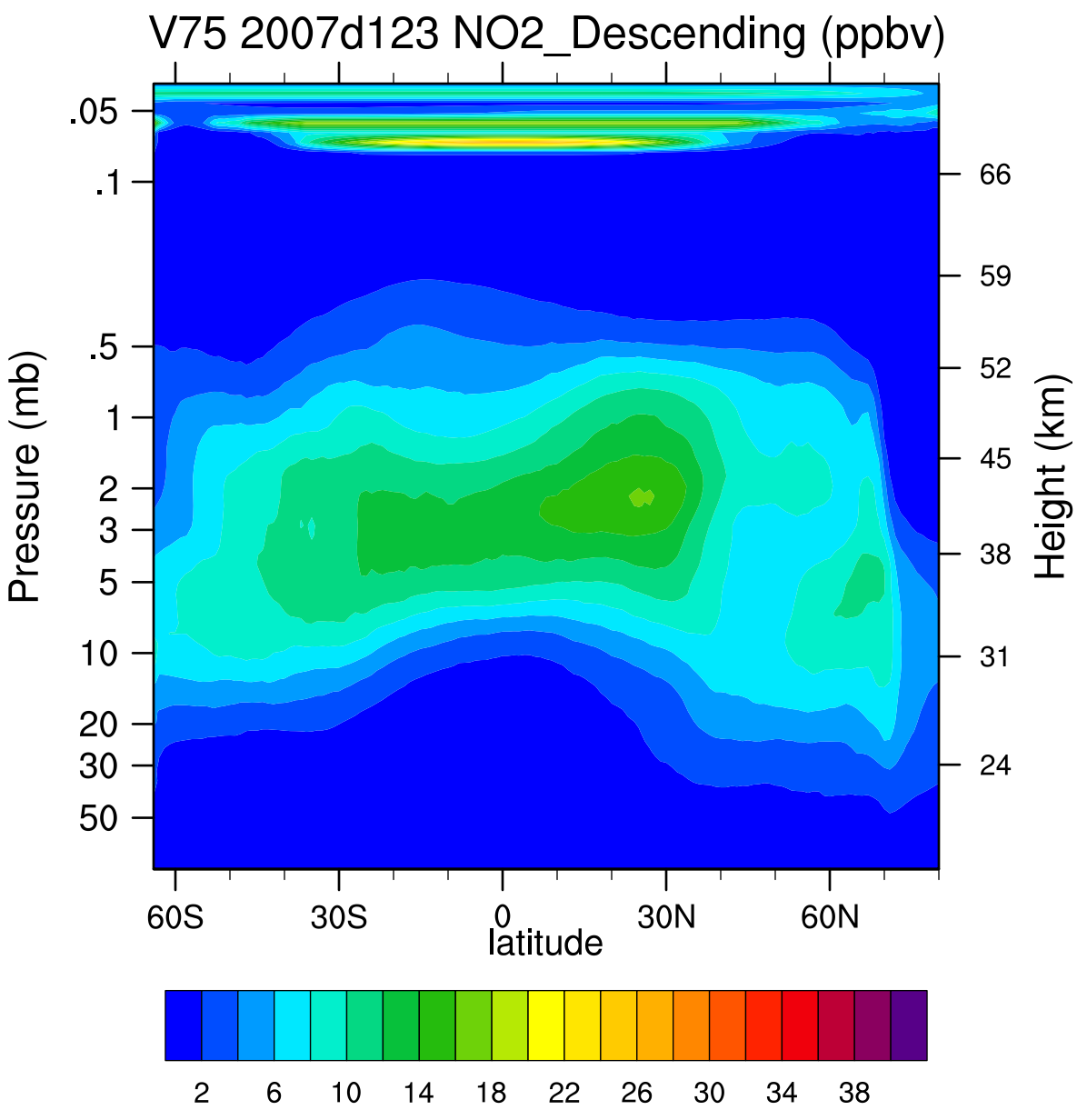
V75 2007d123 NO2_Descending (ppbv)
Pressure (mb)
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.5
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5
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Height (km)
66
59
52
45
38
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24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
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34
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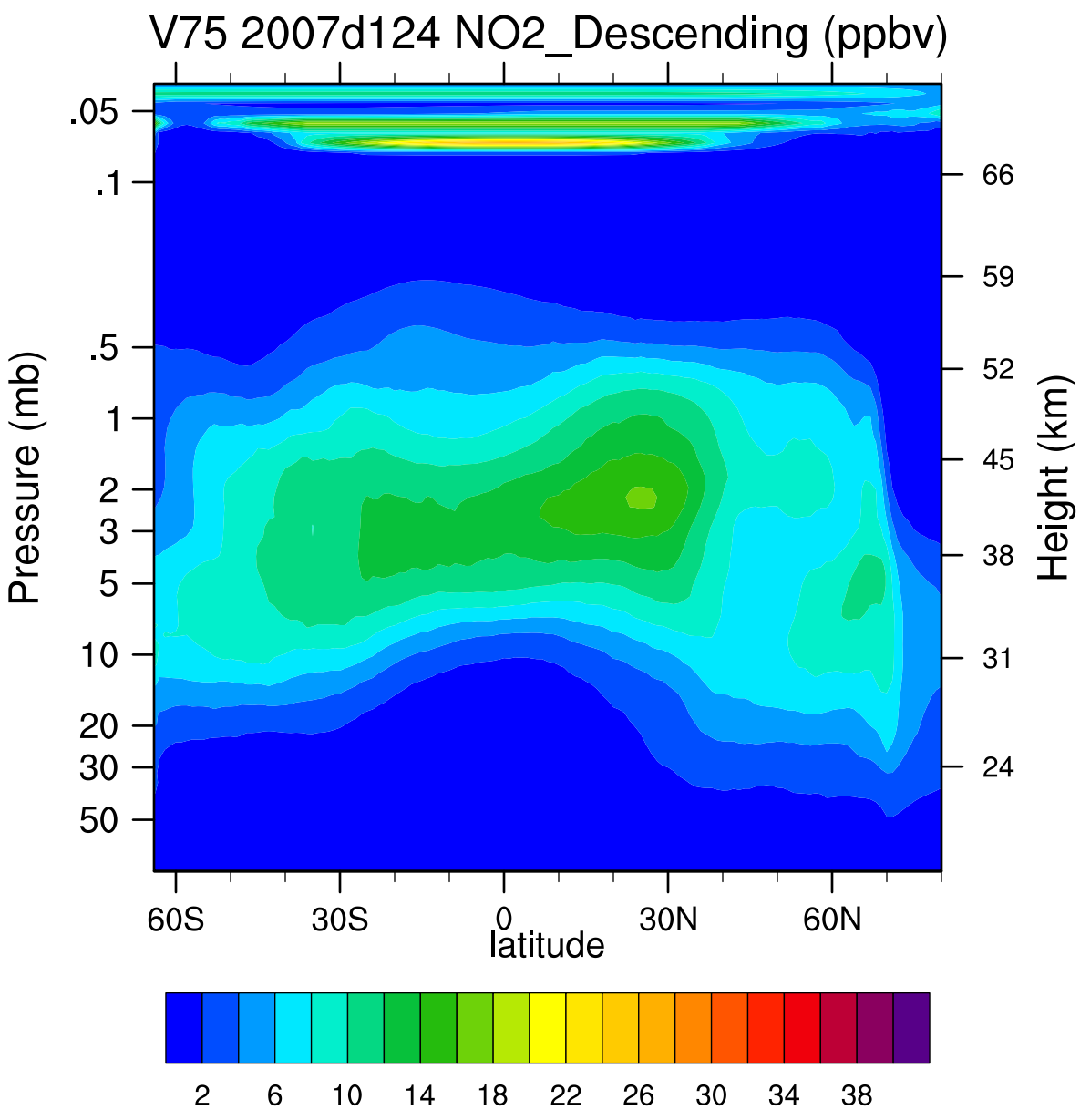
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5
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Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
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34
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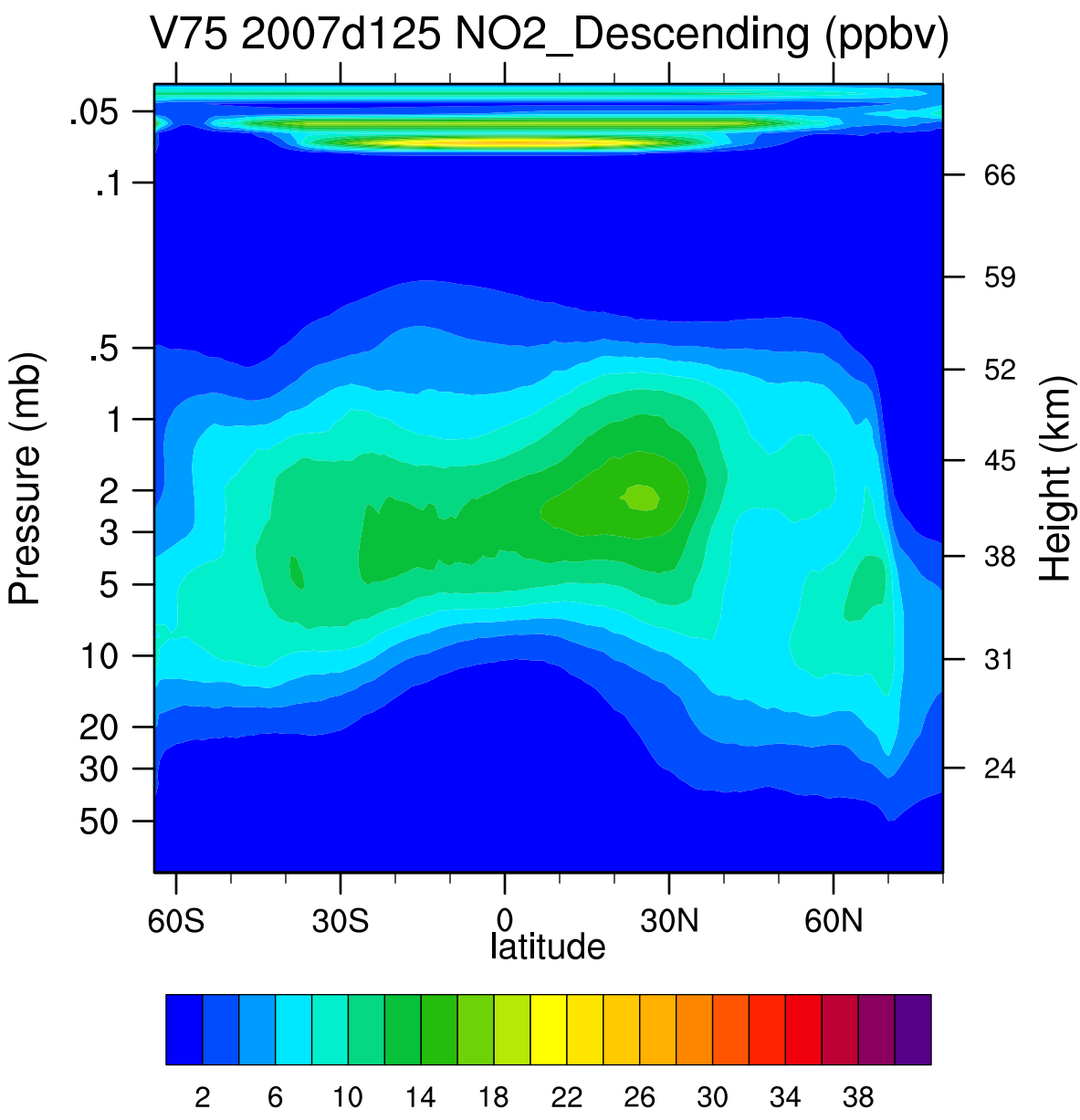
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5
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20
30
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Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
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34
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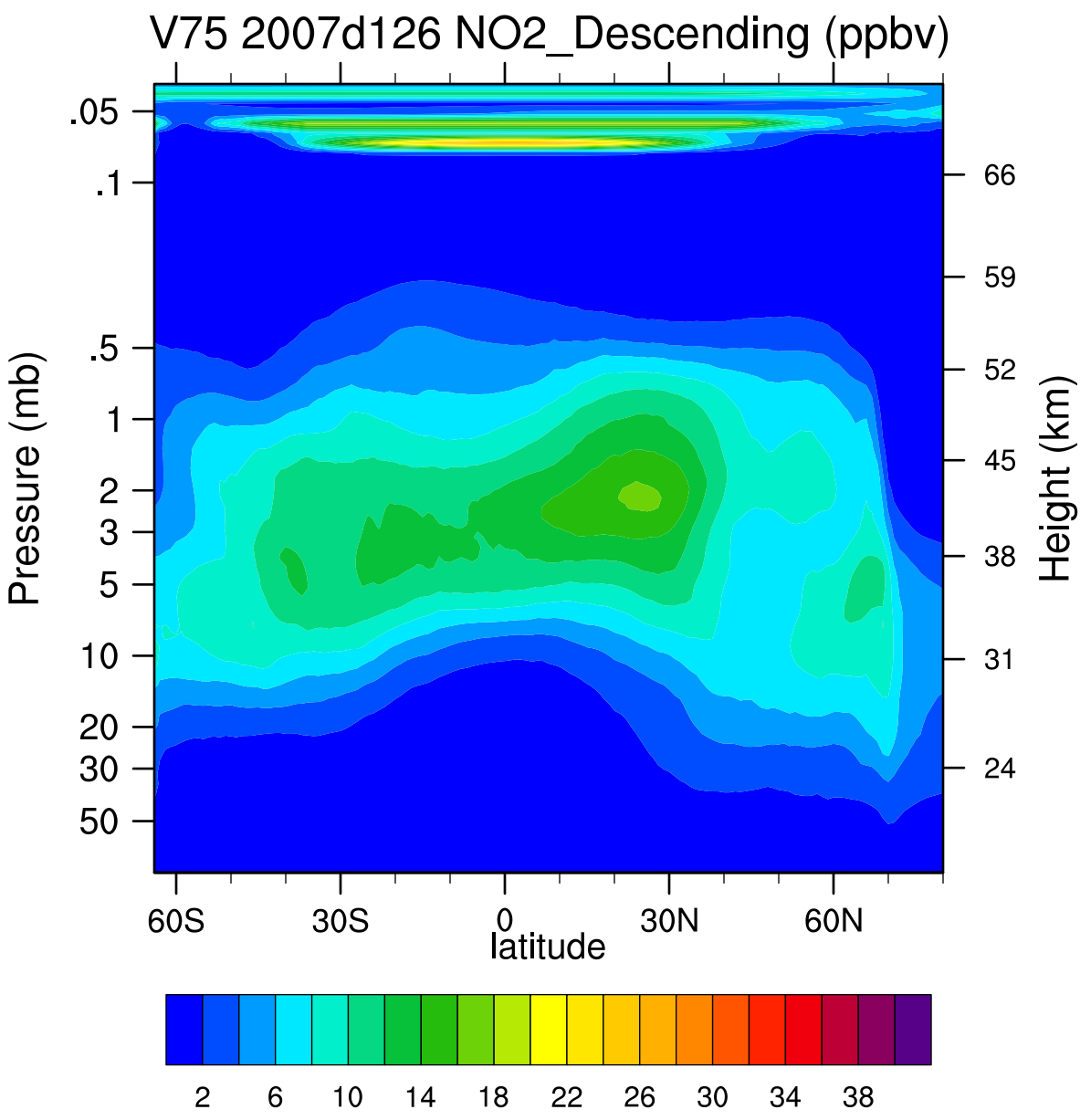
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2
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5
10
20
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Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
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34
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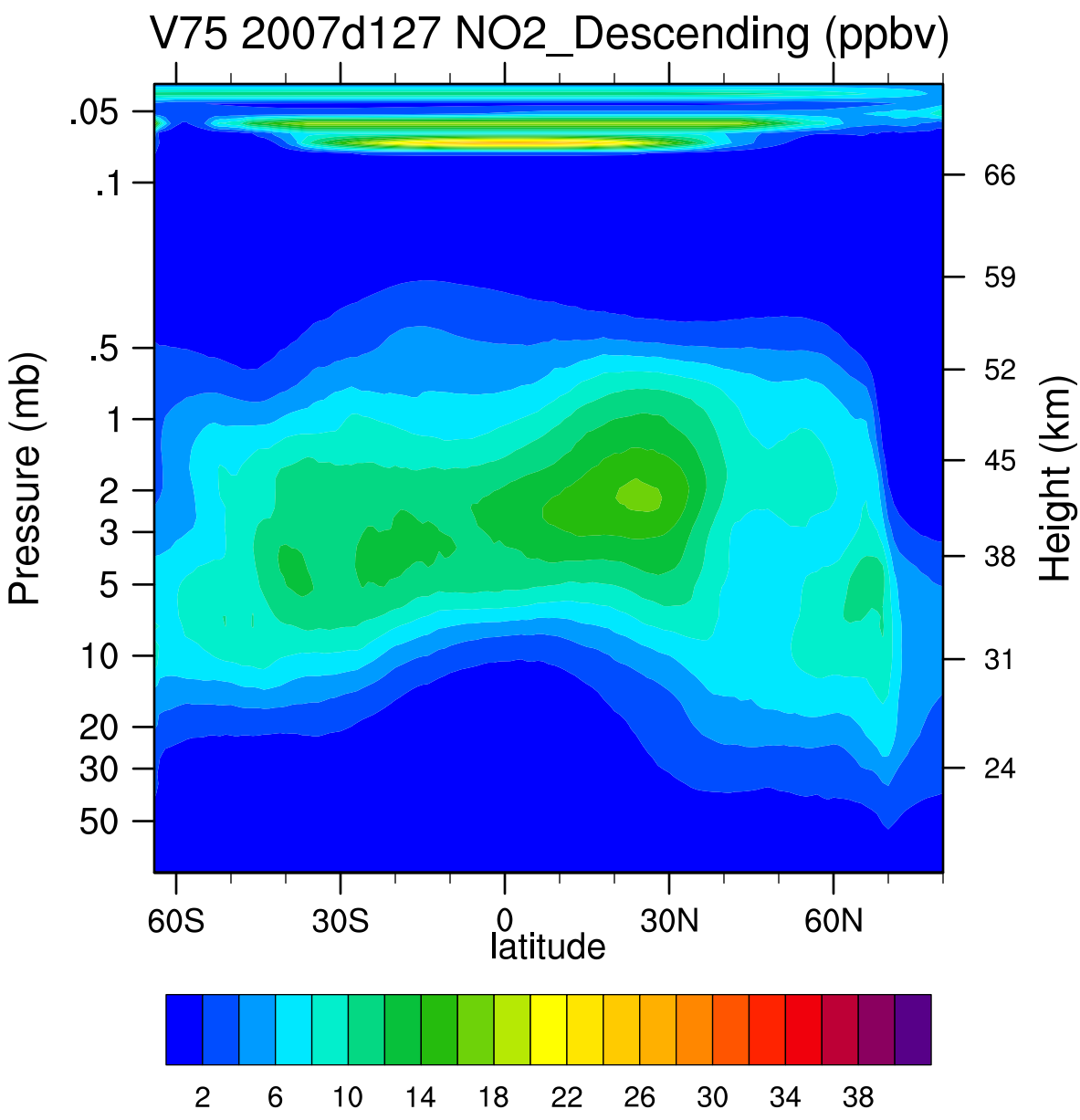
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Height (km)
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59
52
45
38
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24
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
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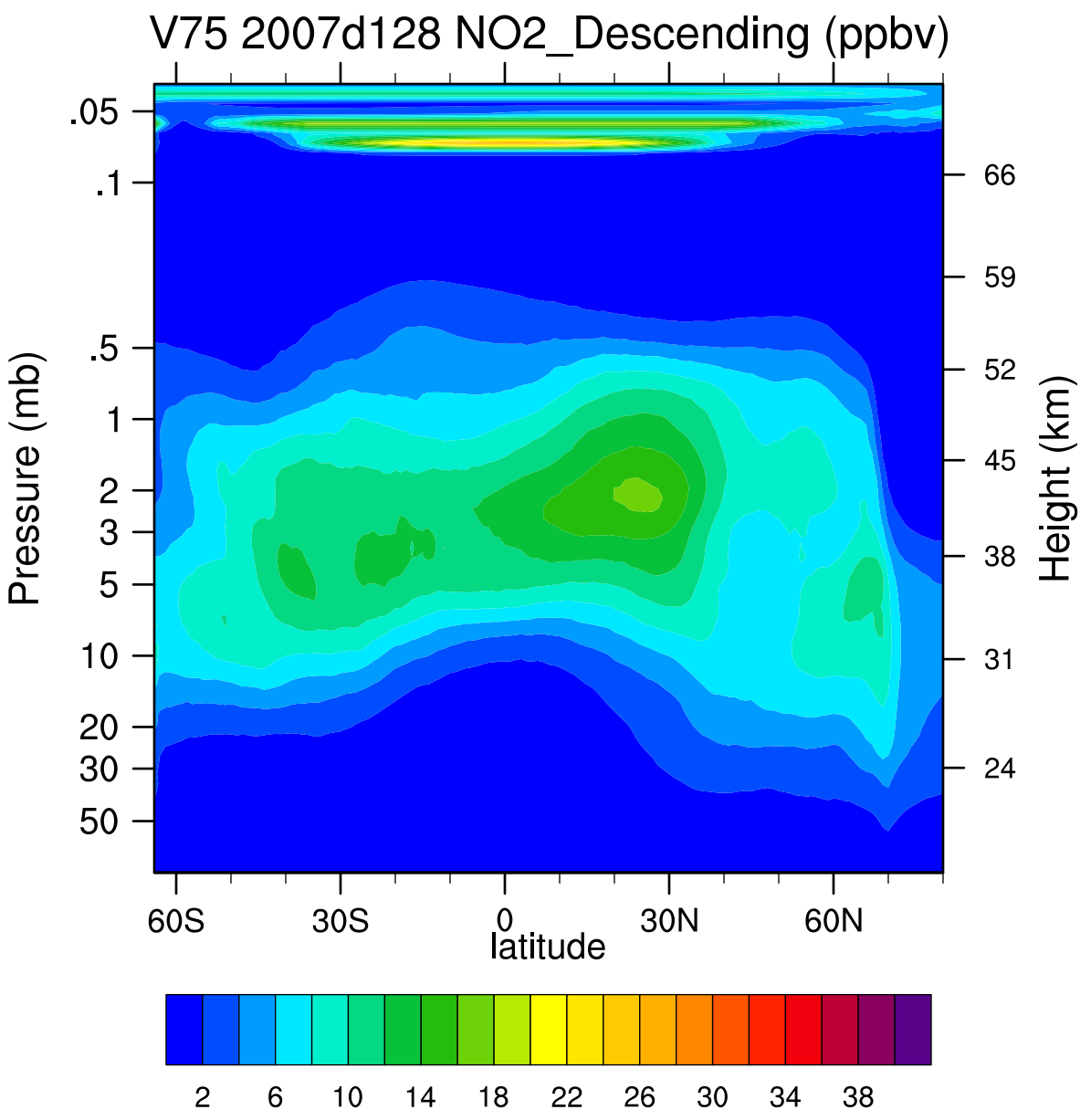
V75 2007d128 NO2_Descending (ppbv)
Pressure (mb)
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30
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Height (km)
66
59
52
45
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30S
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latitude
2
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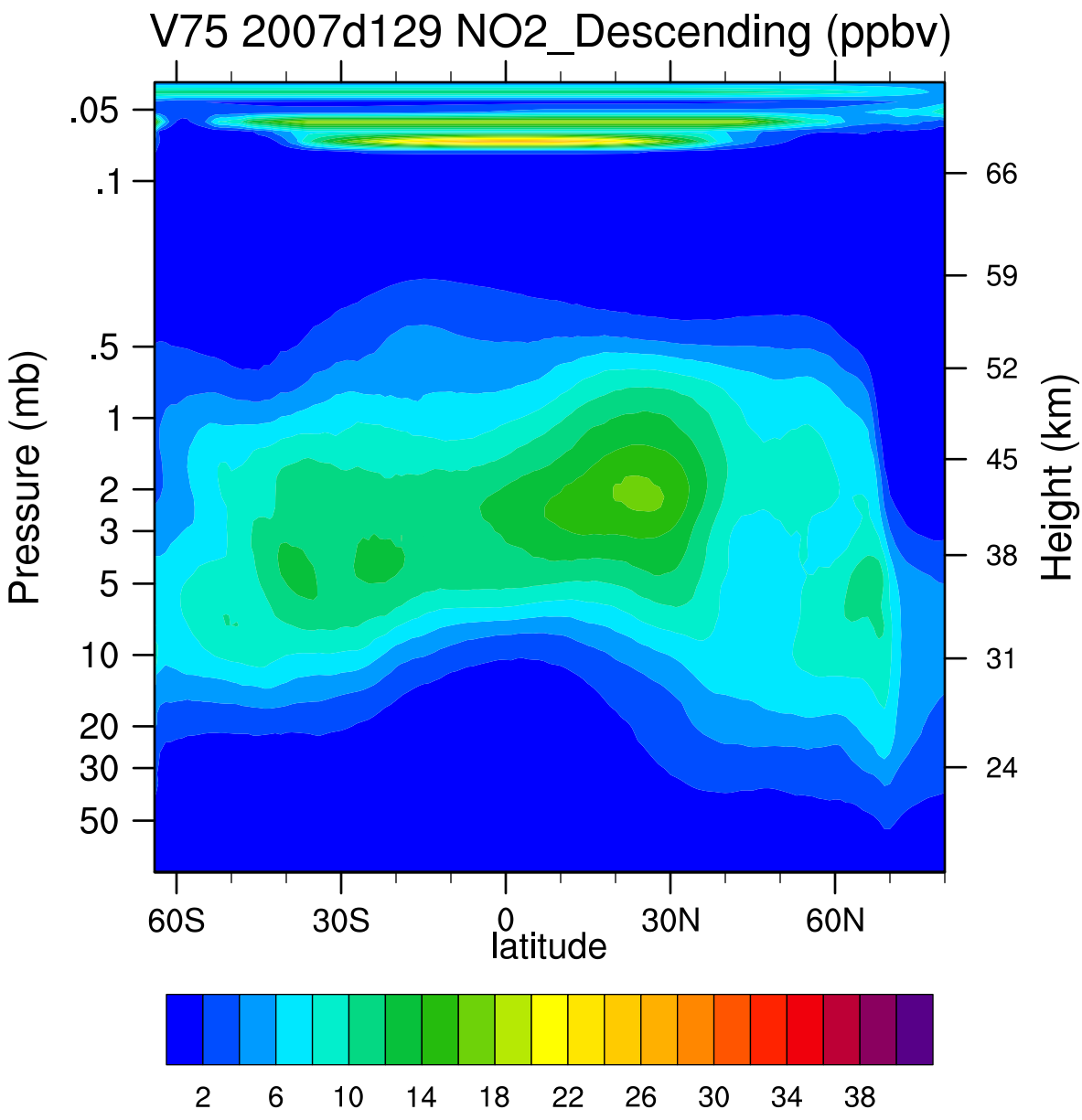
V75 2007d129 NO2_Descending (ppbv)
Pressure (mb)
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.5
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2
3
5
10
20
30
50
Height (km)
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59
52
45
38
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24
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30S
0
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60N
latitude
2
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18
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26
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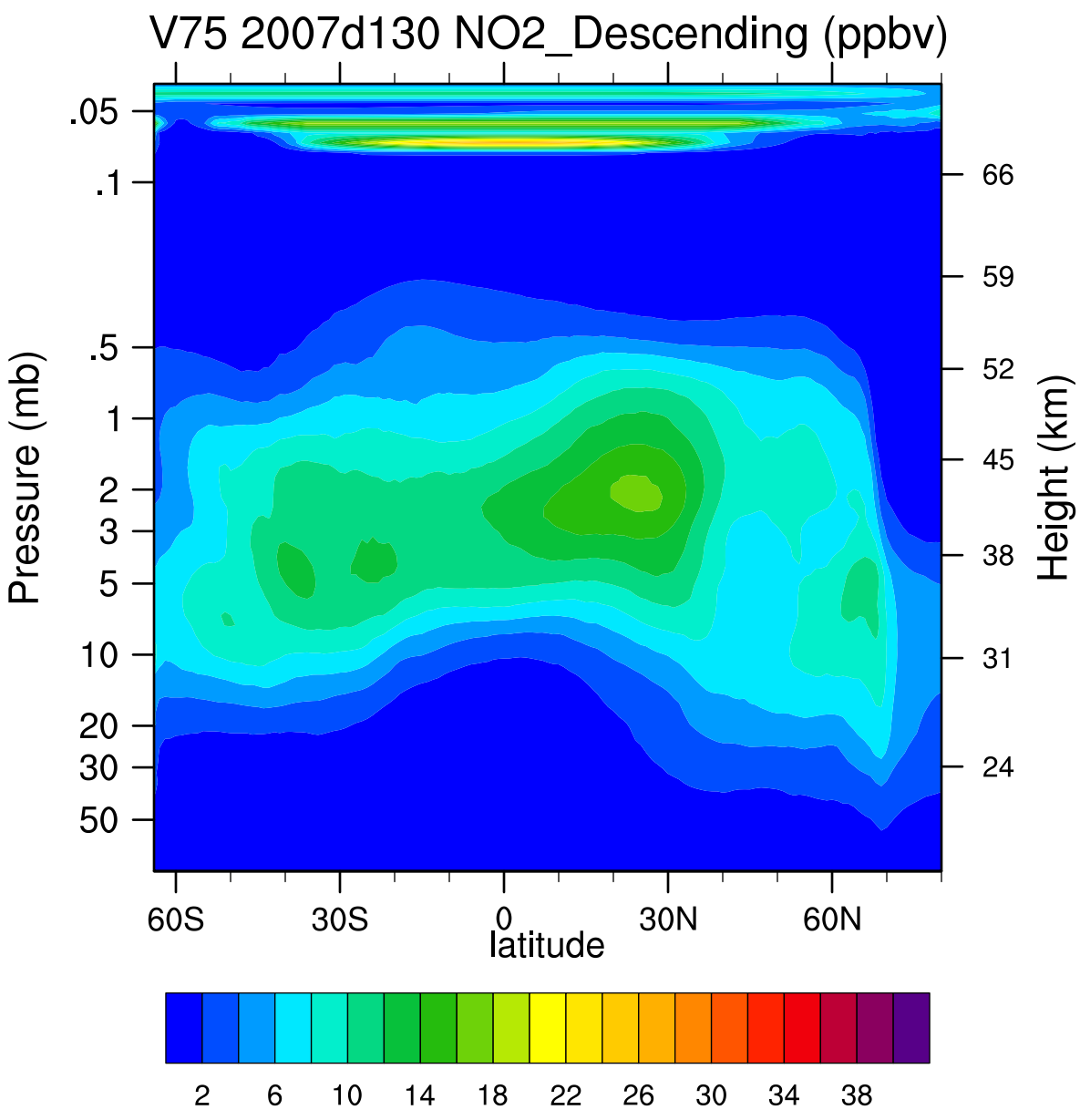
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5
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Height (km)
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59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
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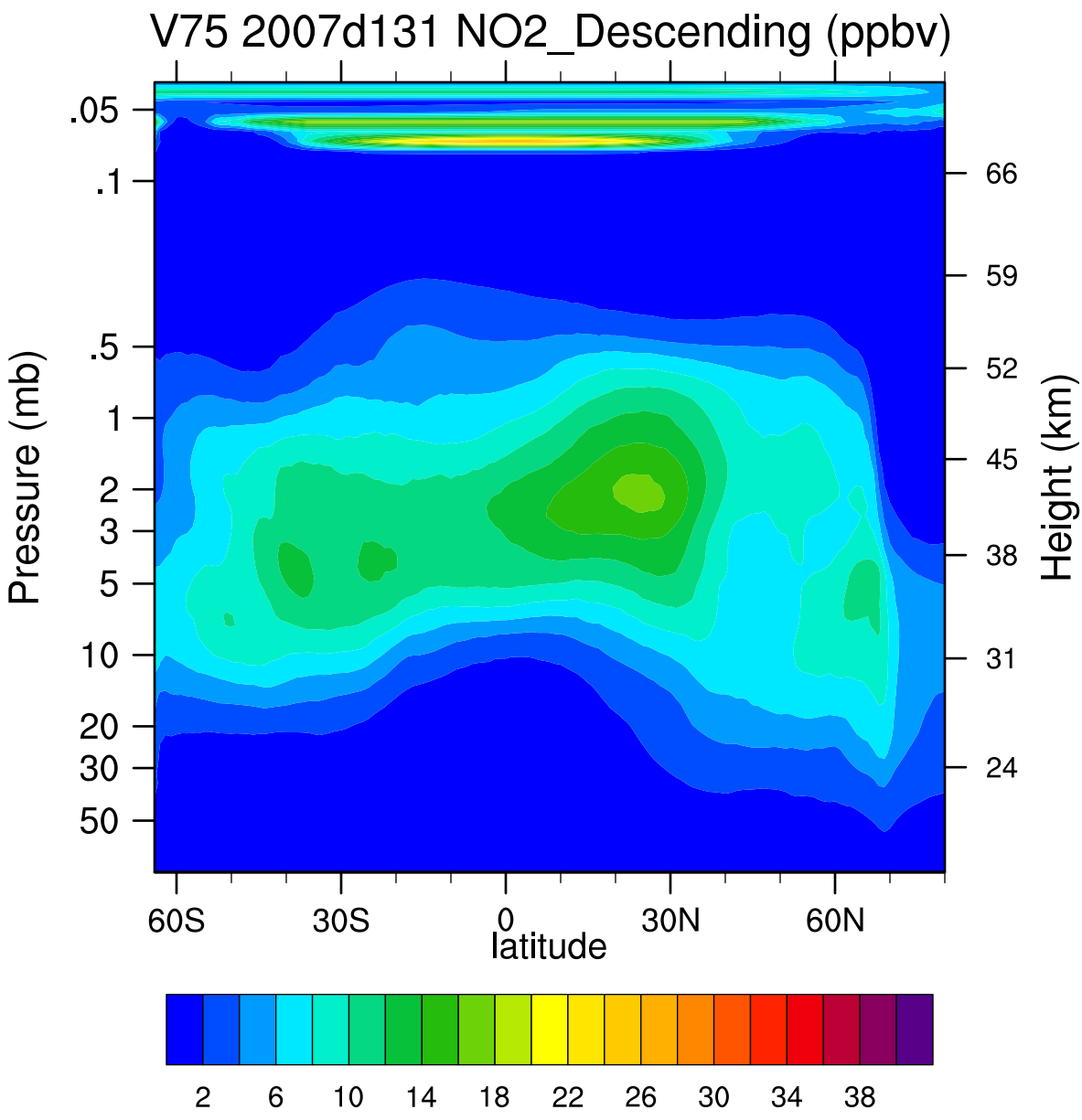
V75 2007d131 NO2_Descending (ppbv)
Pressure (mb)
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1
2
3
5
10
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30
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Height (km)
66
59
52
45
38
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24
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30S
0
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60N
latitude
2
6
10
14
18
22
26
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34
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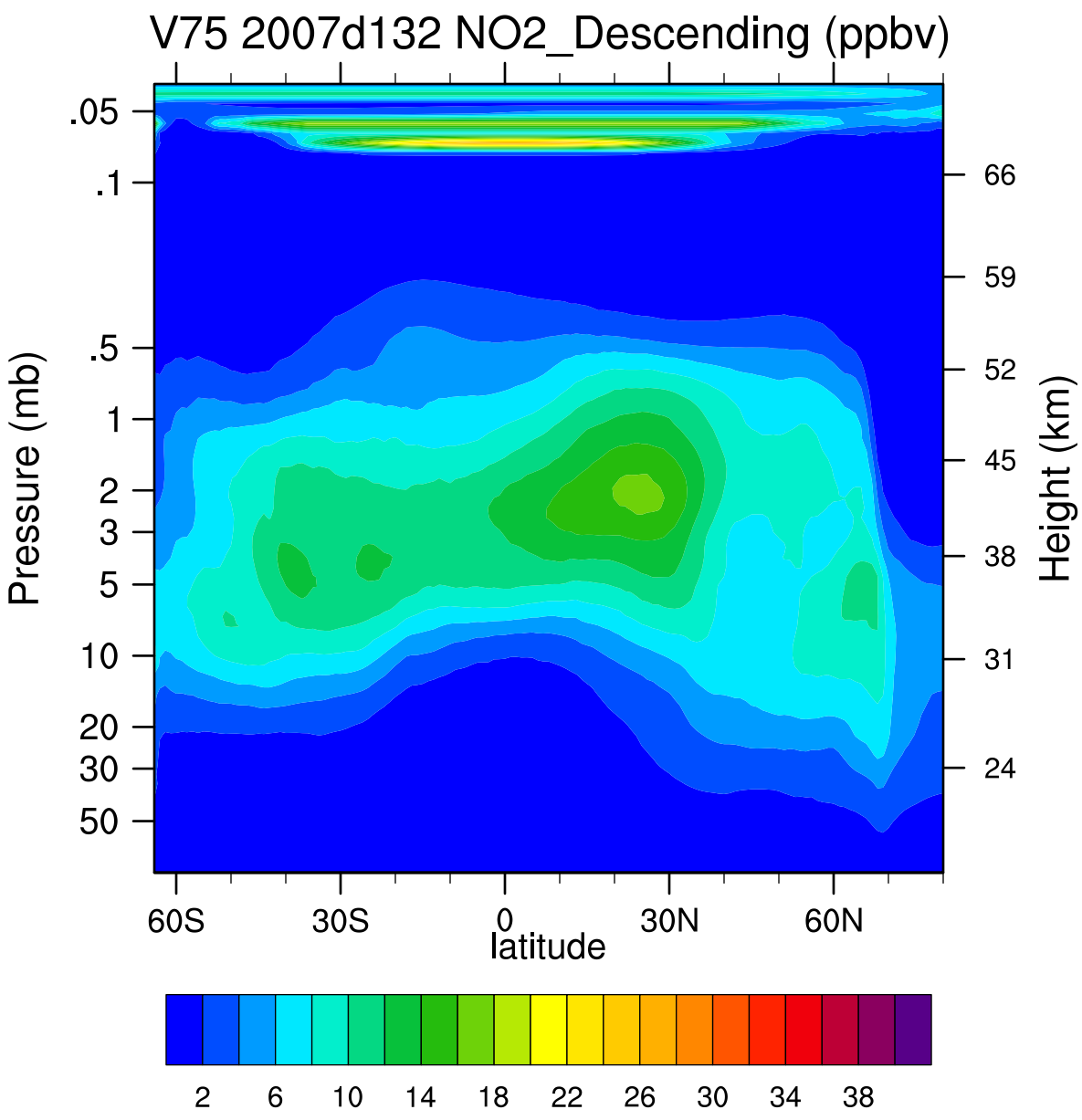
V75 2007d132 NO2_Descending (ppbv)
Pressure (mb)
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.5
1
2
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5
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30
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Height (km)
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59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
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14
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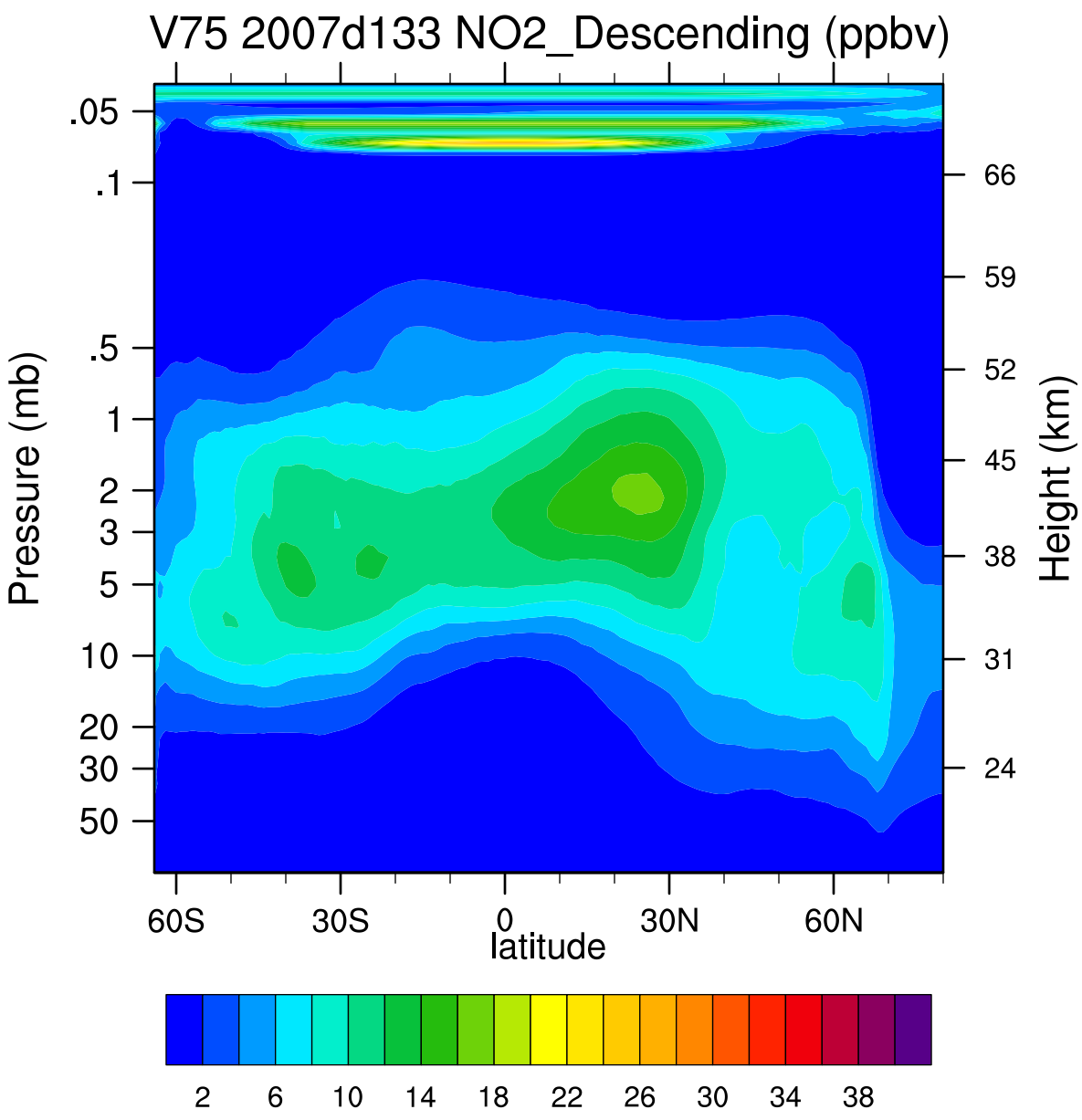
34
38


V75 2007d133 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
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Height (km)
66
59
52
45
38
31
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30S
0
30N
60N
latitude
2
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10
14
18
22
26
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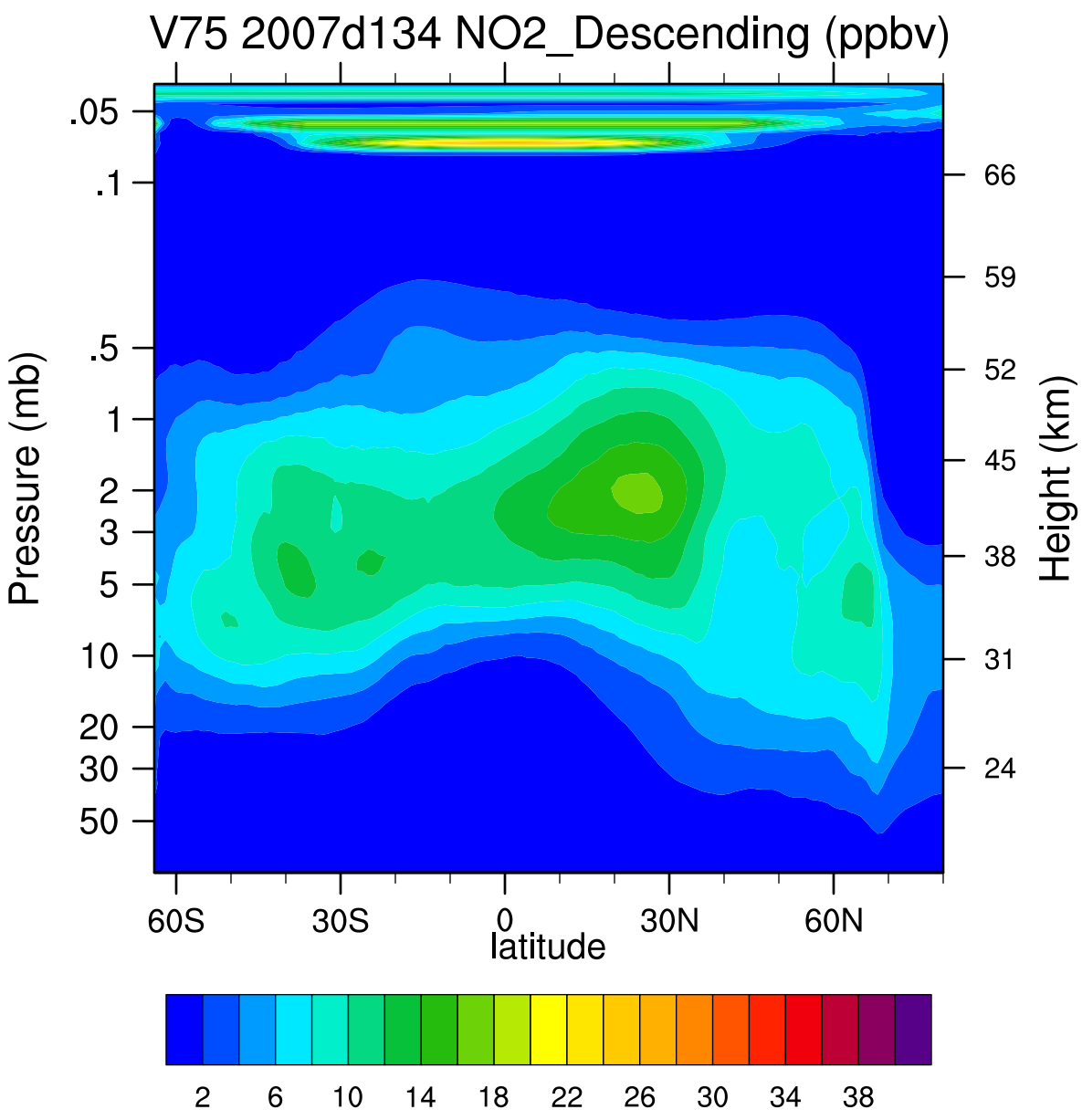
V75 2007d134 NO2_Descending (ppbv)
Pressure (mb)
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.1
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1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
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24
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30S
0
30N
60N
latitude
2
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10
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26
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34
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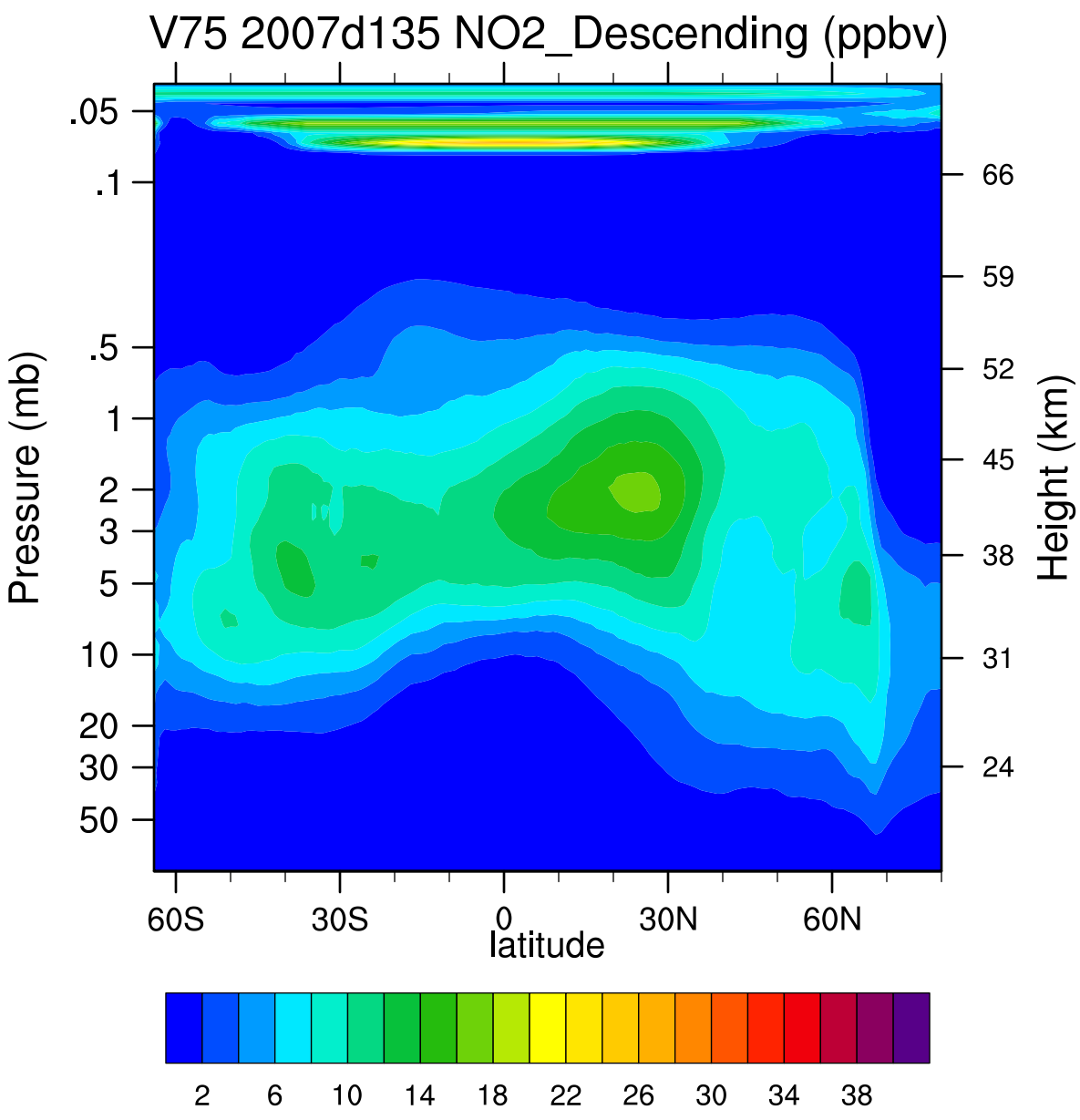
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Pressure (mb)
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5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
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10
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18
22
26
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34
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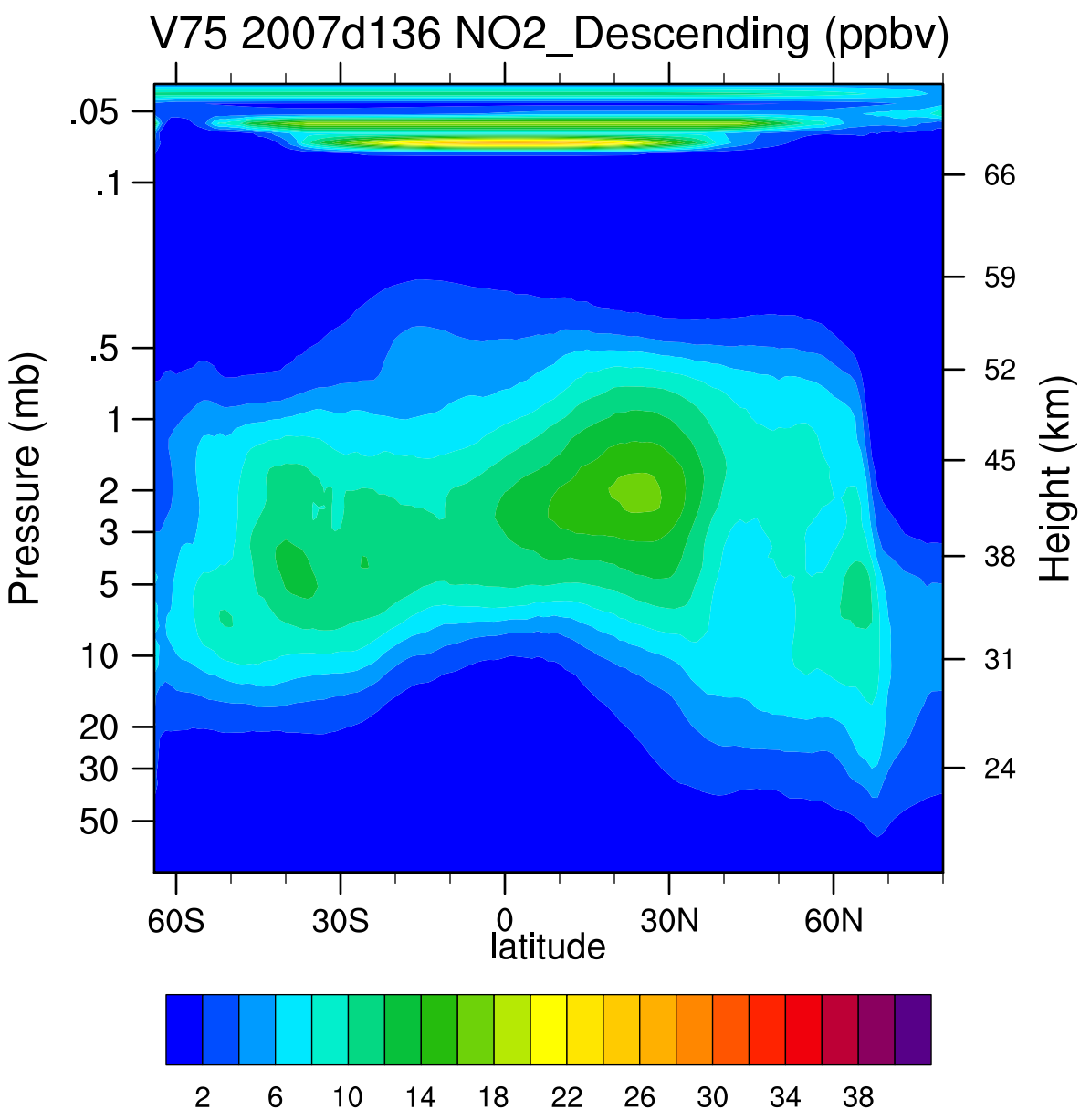
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Pressure (mb)
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5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
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34
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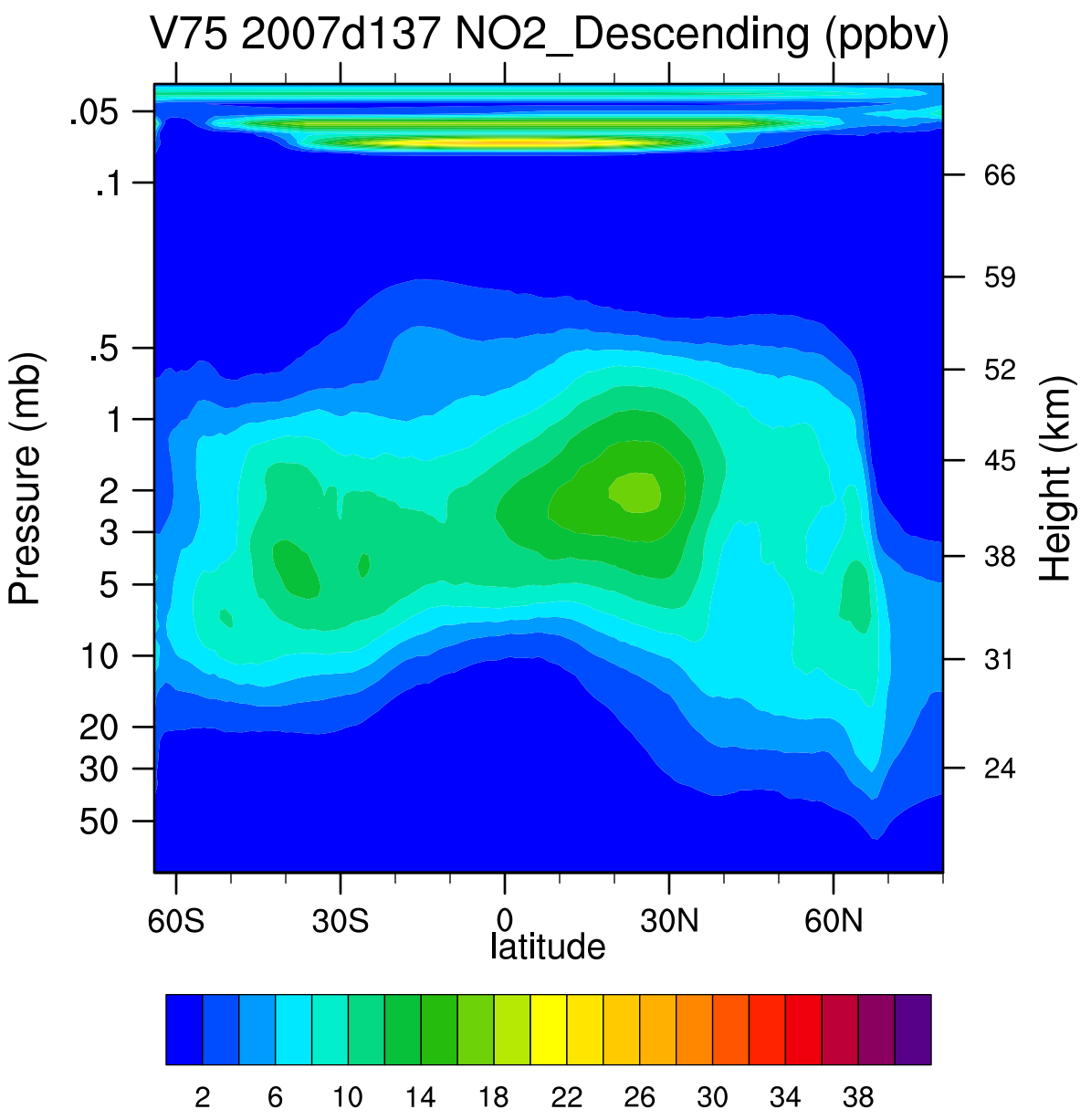
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Height (km)
66
59
52
45
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30S
0
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60N
latitude
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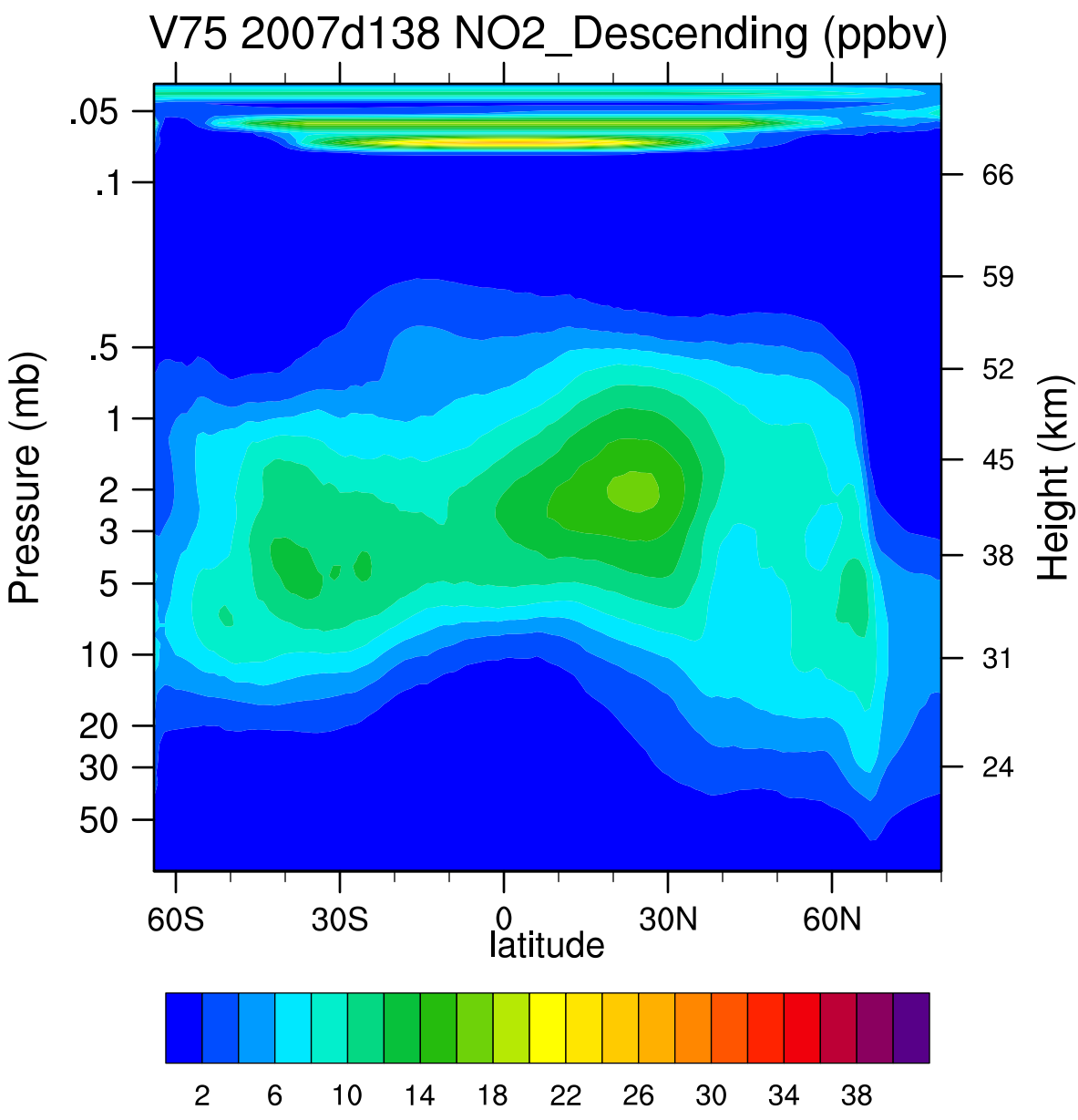
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Pressure (mb)
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5
10
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30
50
Height (km)
66
59
52
45
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30S
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60N
latitude
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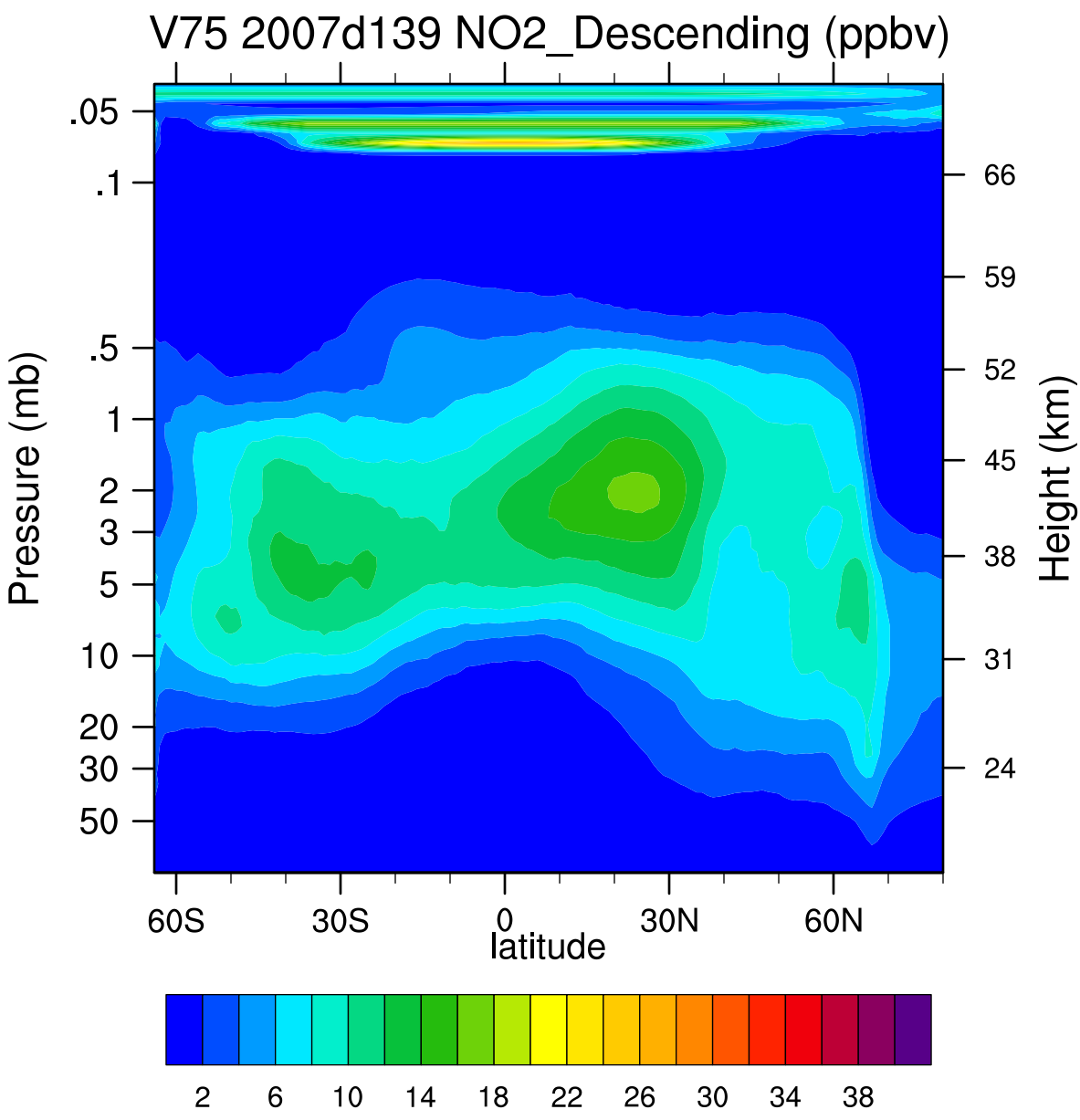
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Pressure (mb)
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2
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5
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20
30
50
Height (km)
66
59
52
45
38
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24
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30S
0
30N
60N
latitude
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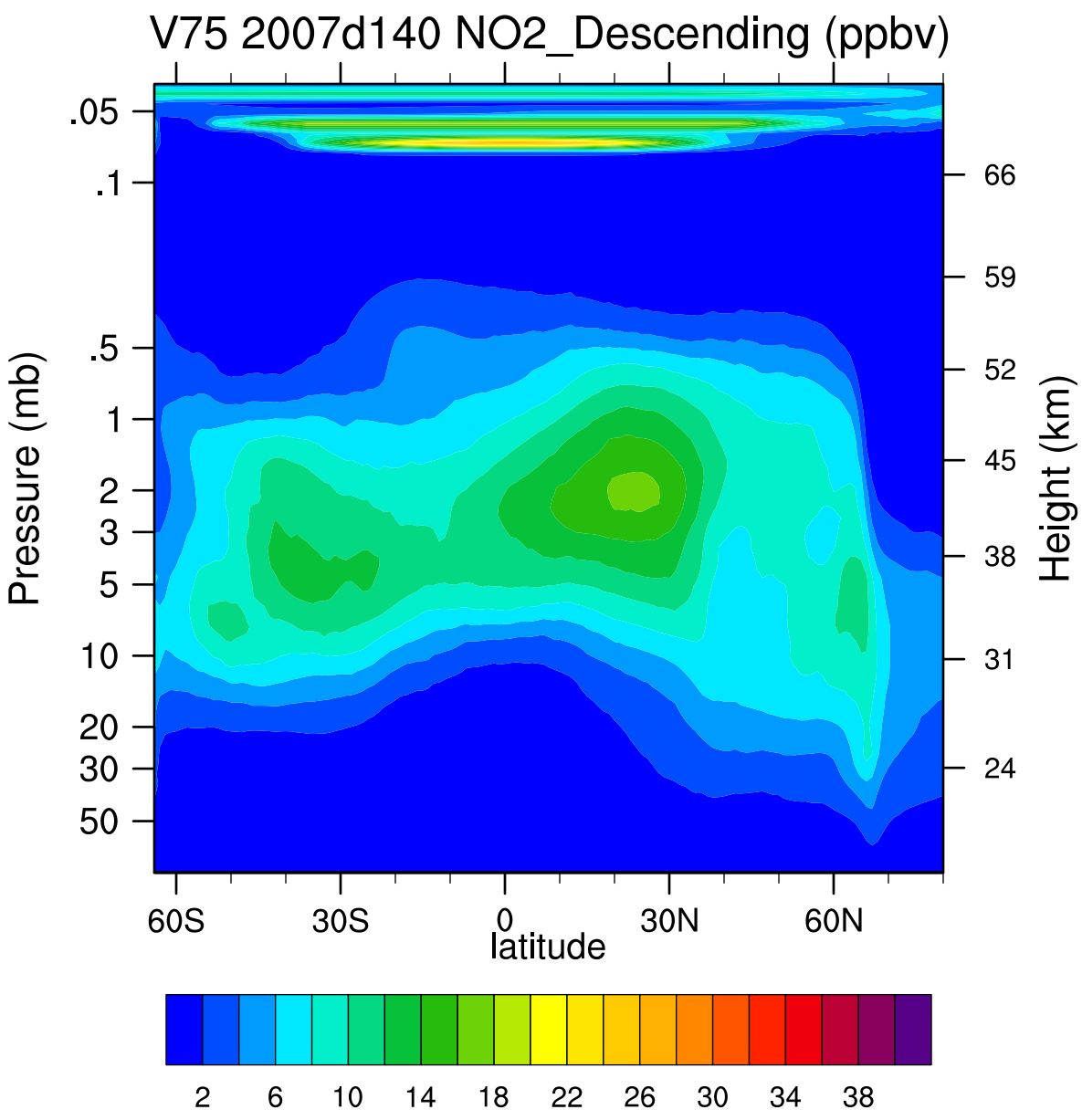
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Pressure (mb)
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5
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50
Height (km)
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59
52
45
38
31
24
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30S
0
30N
60N
latitude
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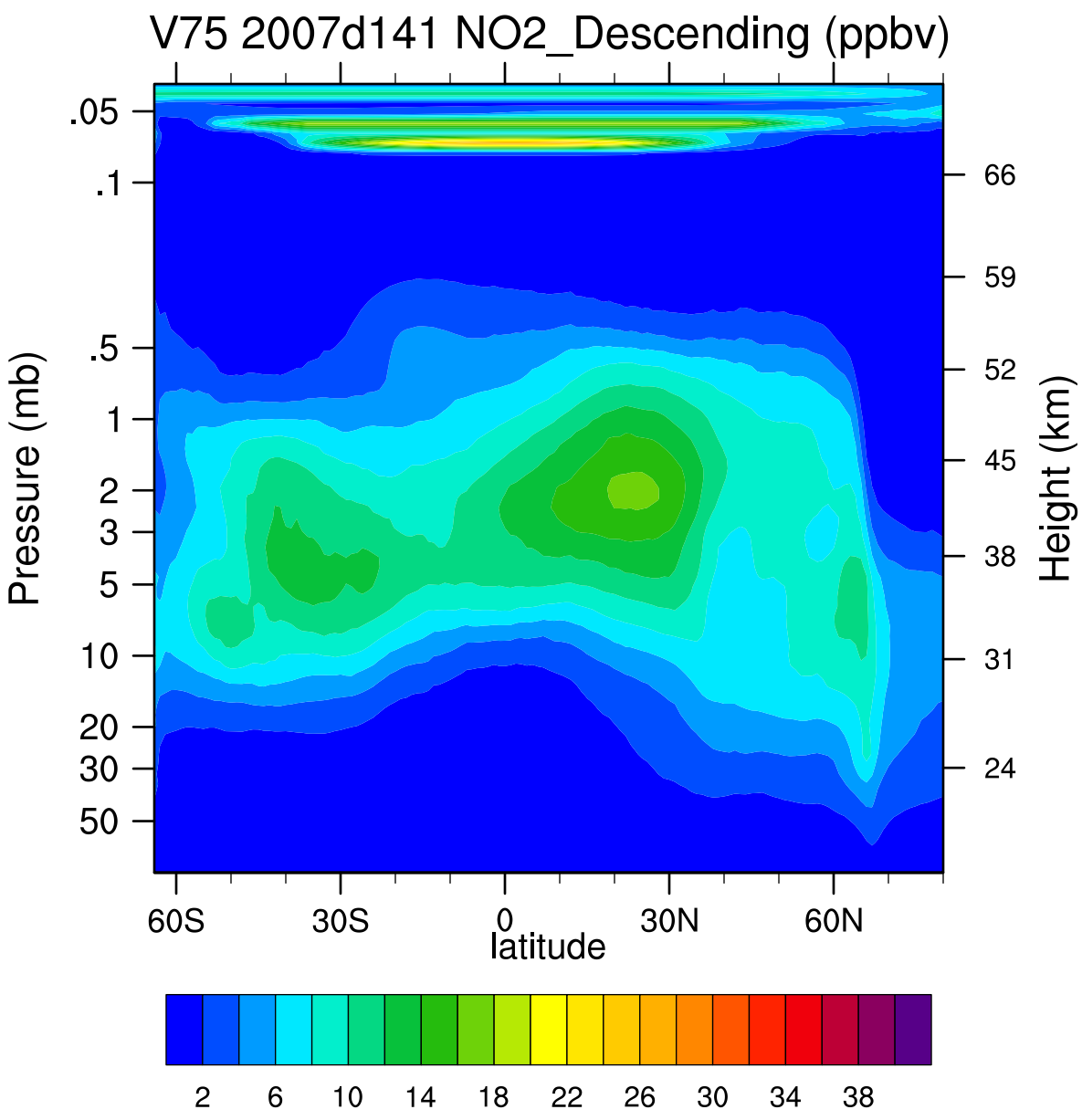
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5
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50
Height (km)
66
59
52
45
38
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24
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30S
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30N
60N
latitude
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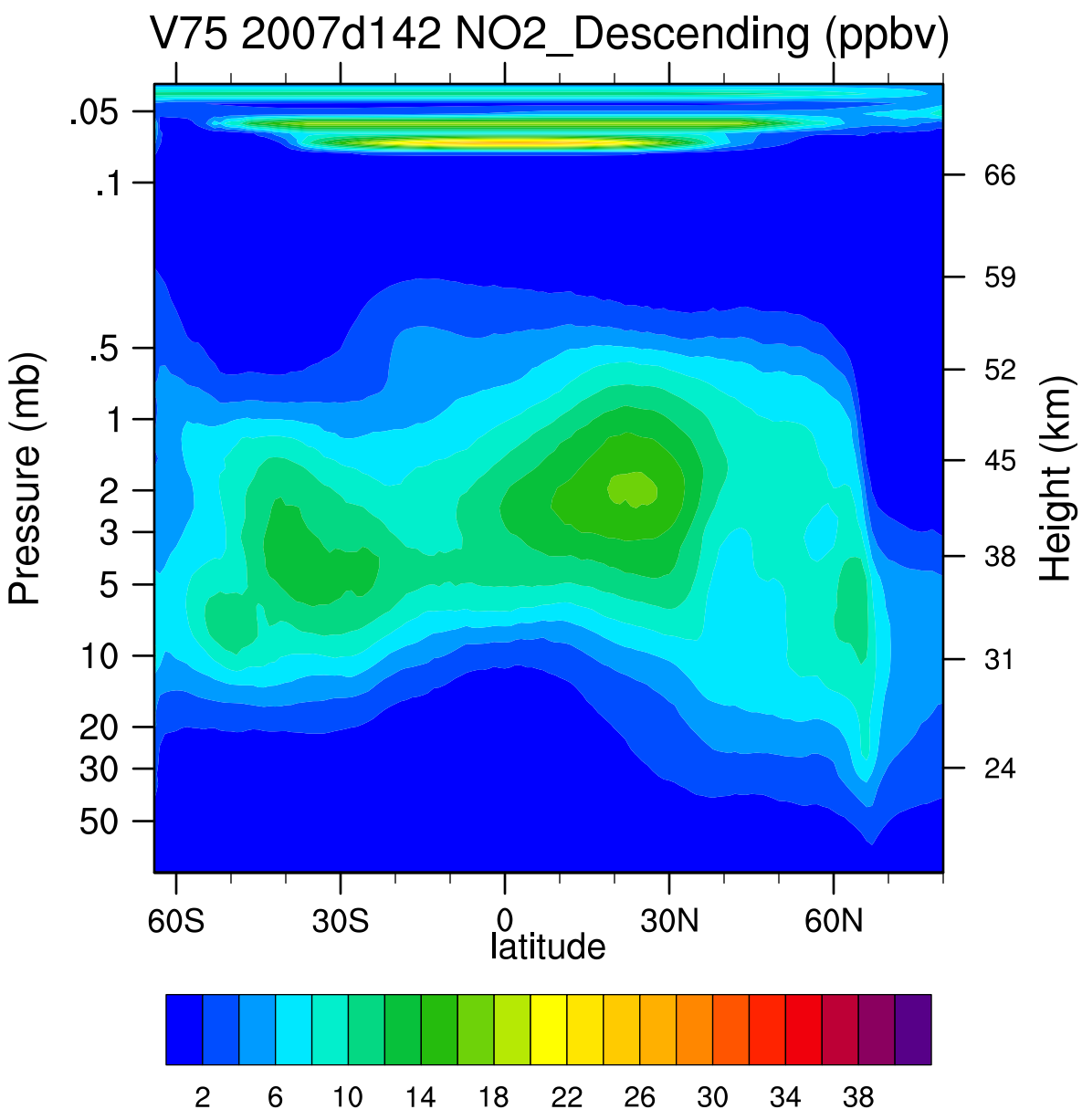
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5
10
20
30
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Height (km)
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59
52
45
38
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24
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30S
0
30N
60N
latitude
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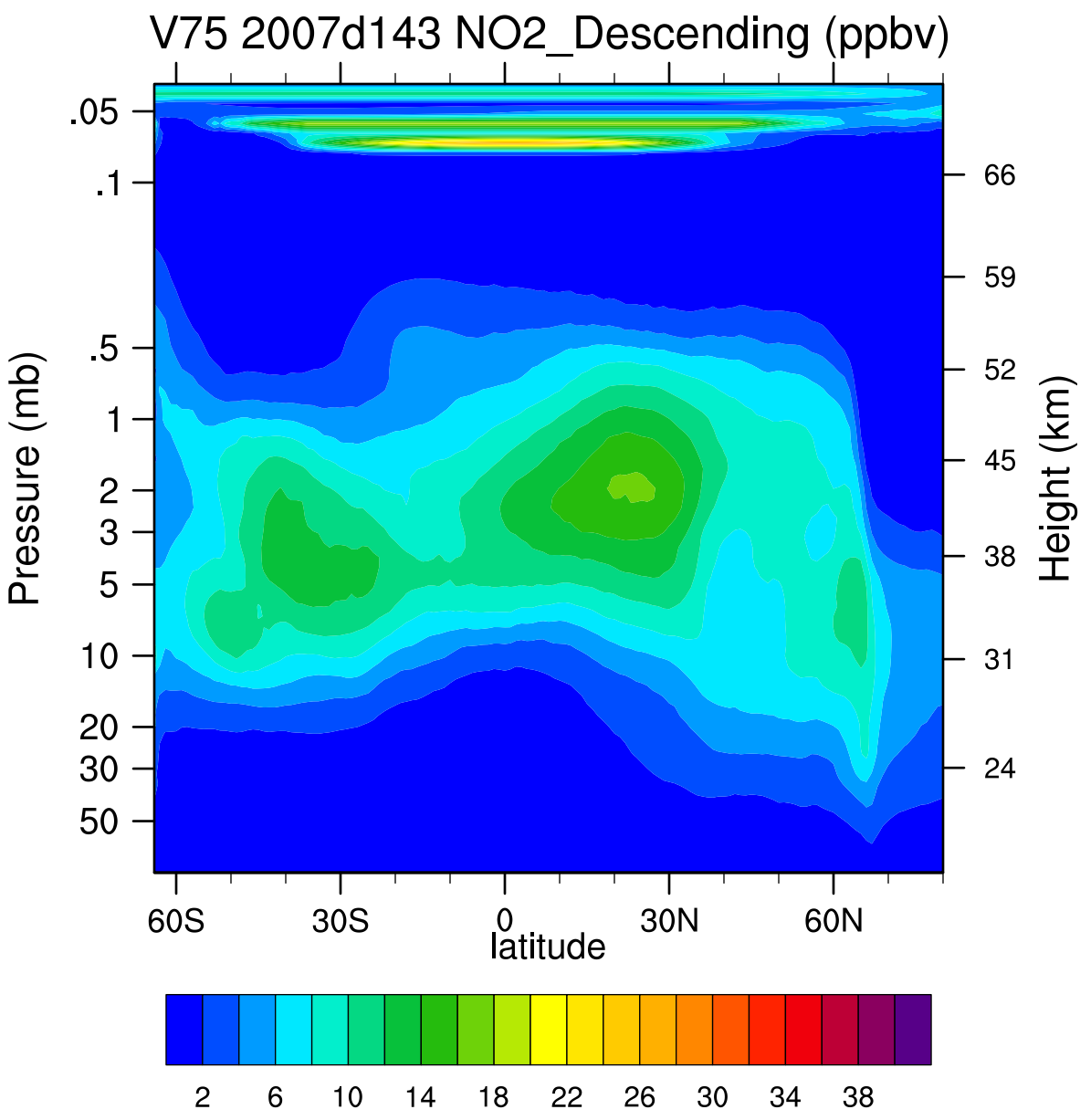
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Pressure (mb)
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5
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Height (km)
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52
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38
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30N
60N
latitude
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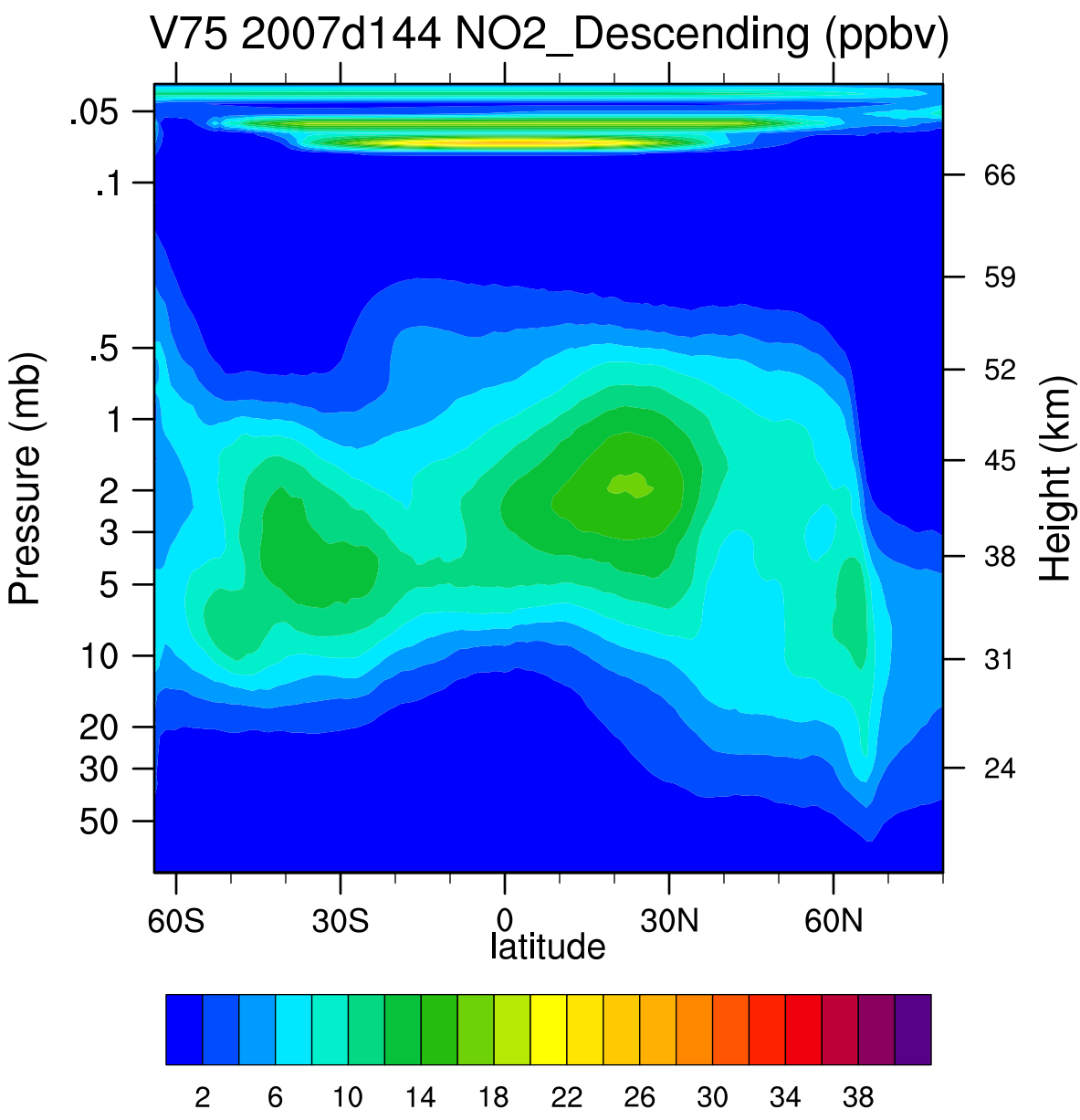
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5
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20
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50
Height (km)
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59
52
45
38
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24
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30S
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30N
60N
latitude
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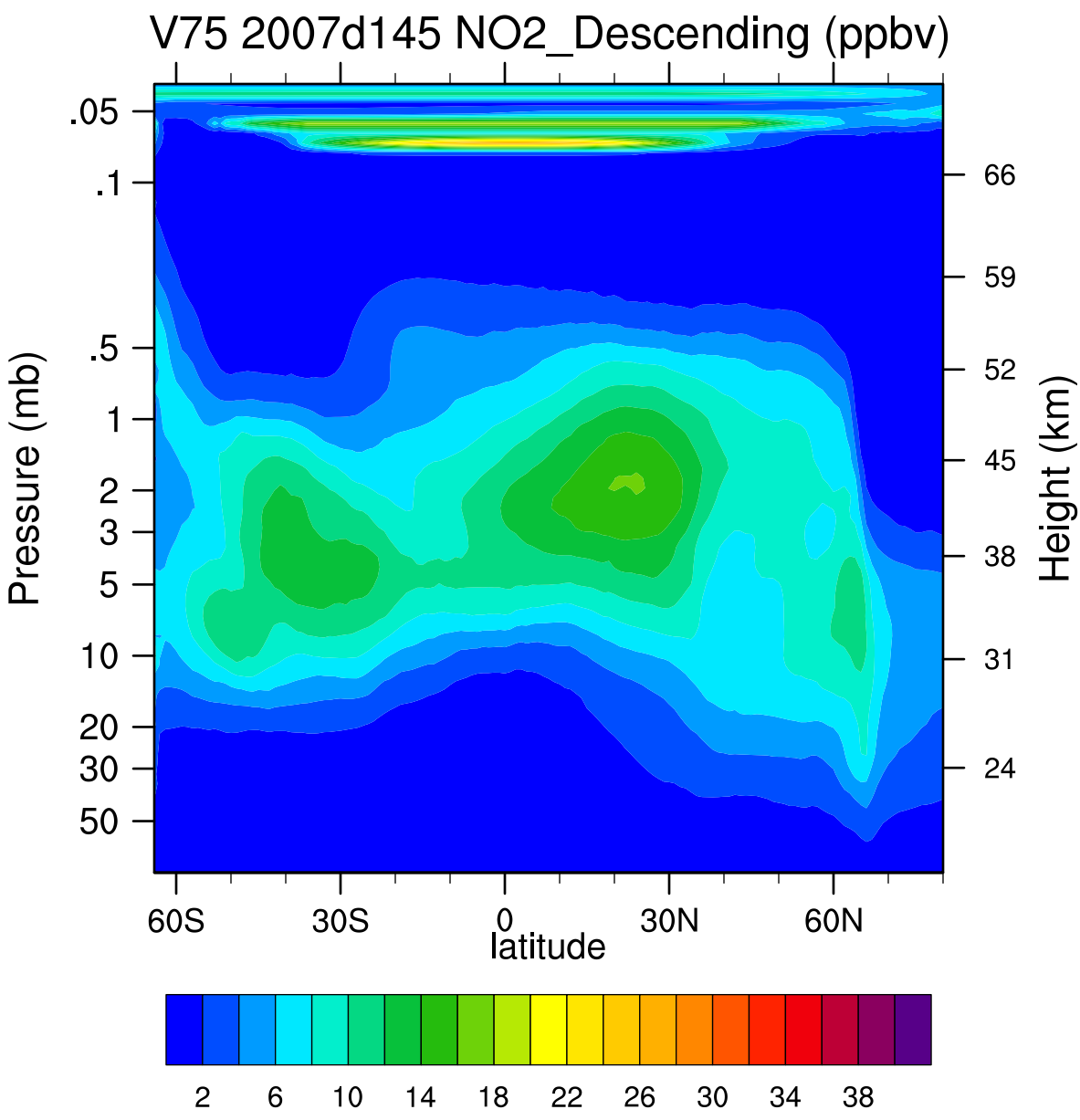
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5
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Height (km)
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59
52
45
38
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24
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30S
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30N
60N
latitude
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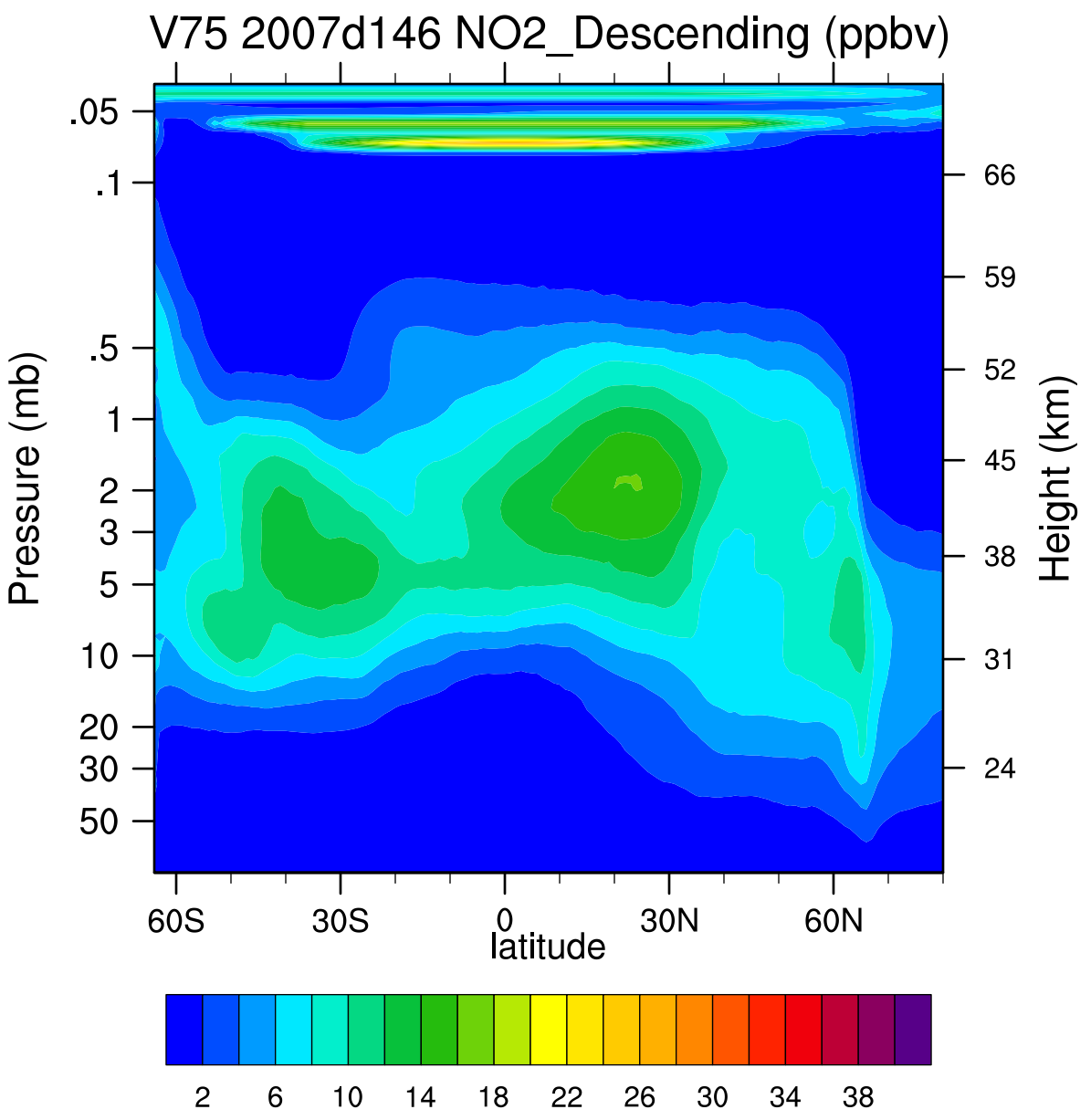
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Pressure (mb)
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.5
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5
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Height (km)
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59
52
45
38
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24
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30S
0
30N
60N
latitude
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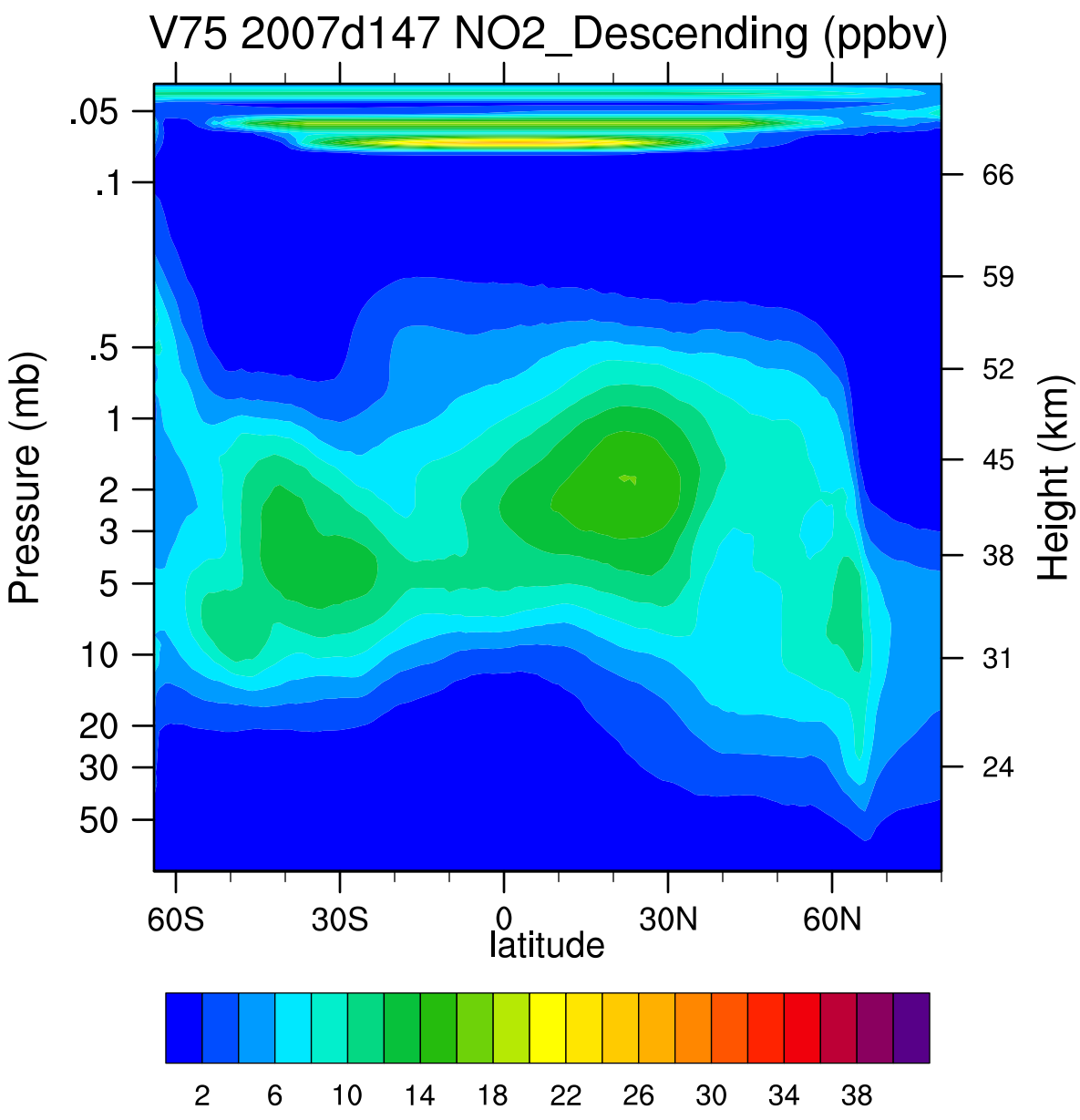
V75 2007d147 NO2_Descending (ppbv)
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Height (km)
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59
52
45
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24
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30S
0
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60N
latitude
2
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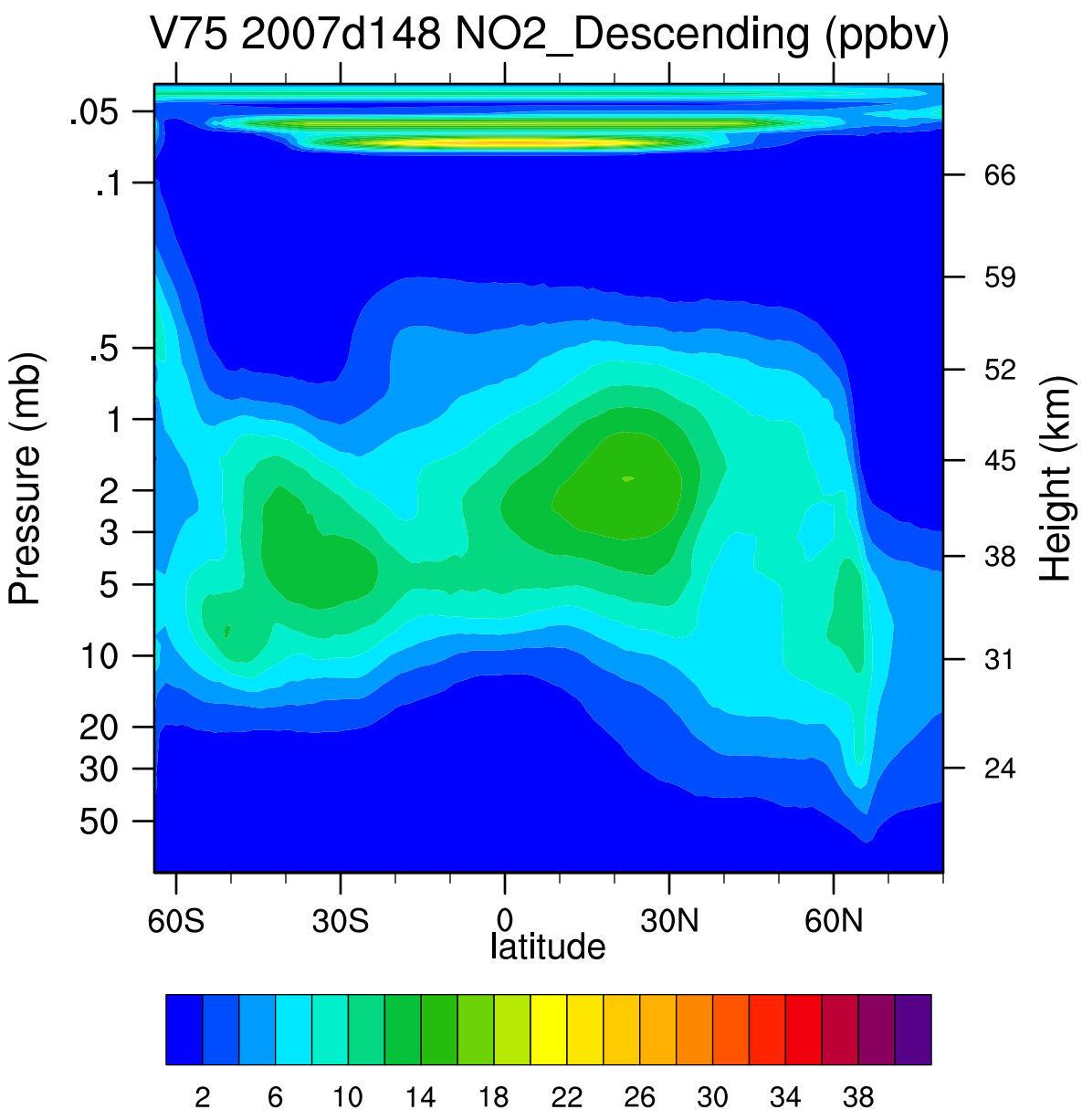
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Pressure (mb)
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59
52
45
38
31
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Height (km)
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30S
0
30N
60N
latitude
2
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10
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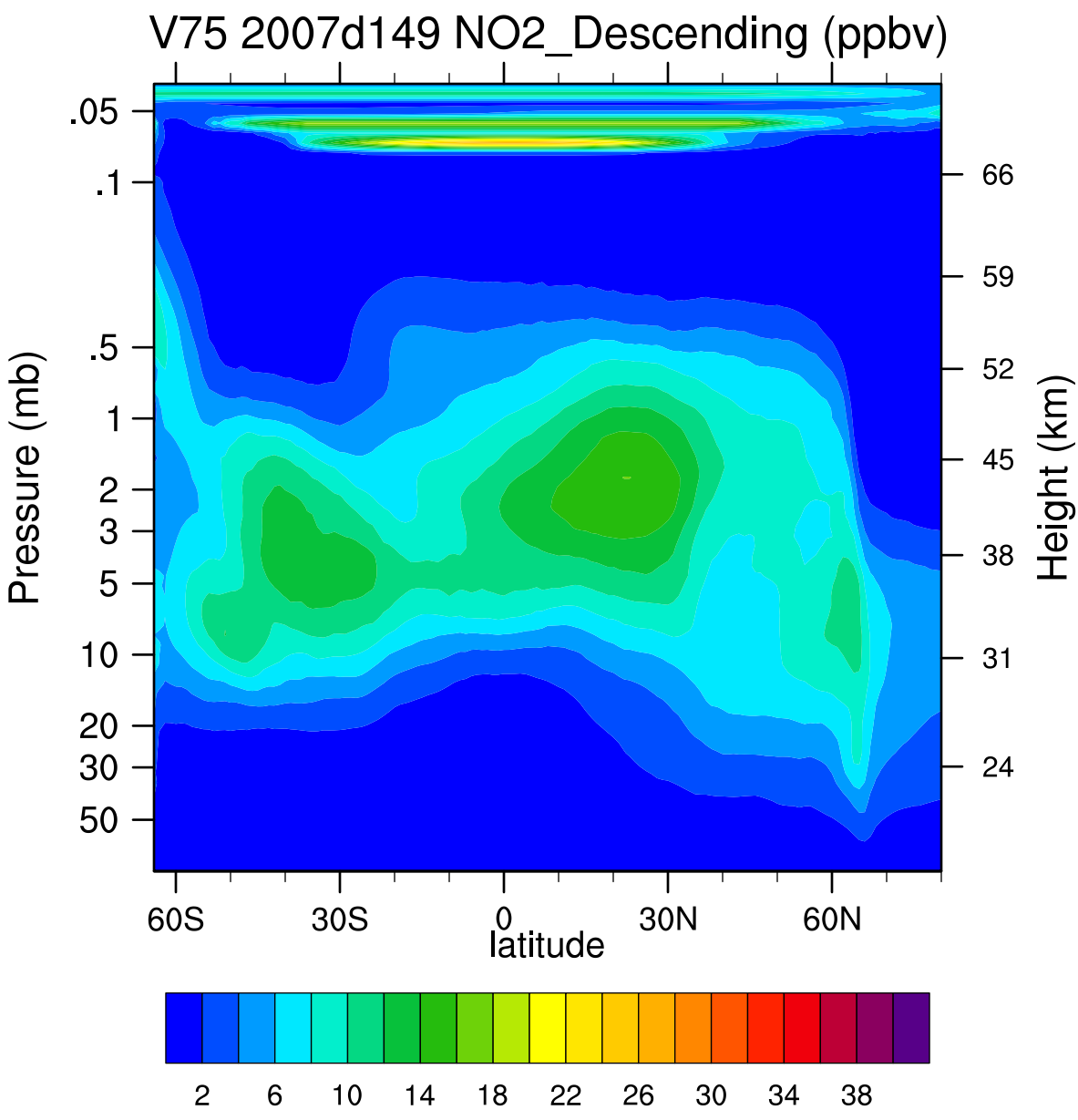
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Height (km)
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59
52
45
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30S
0
30N
60N
latitude
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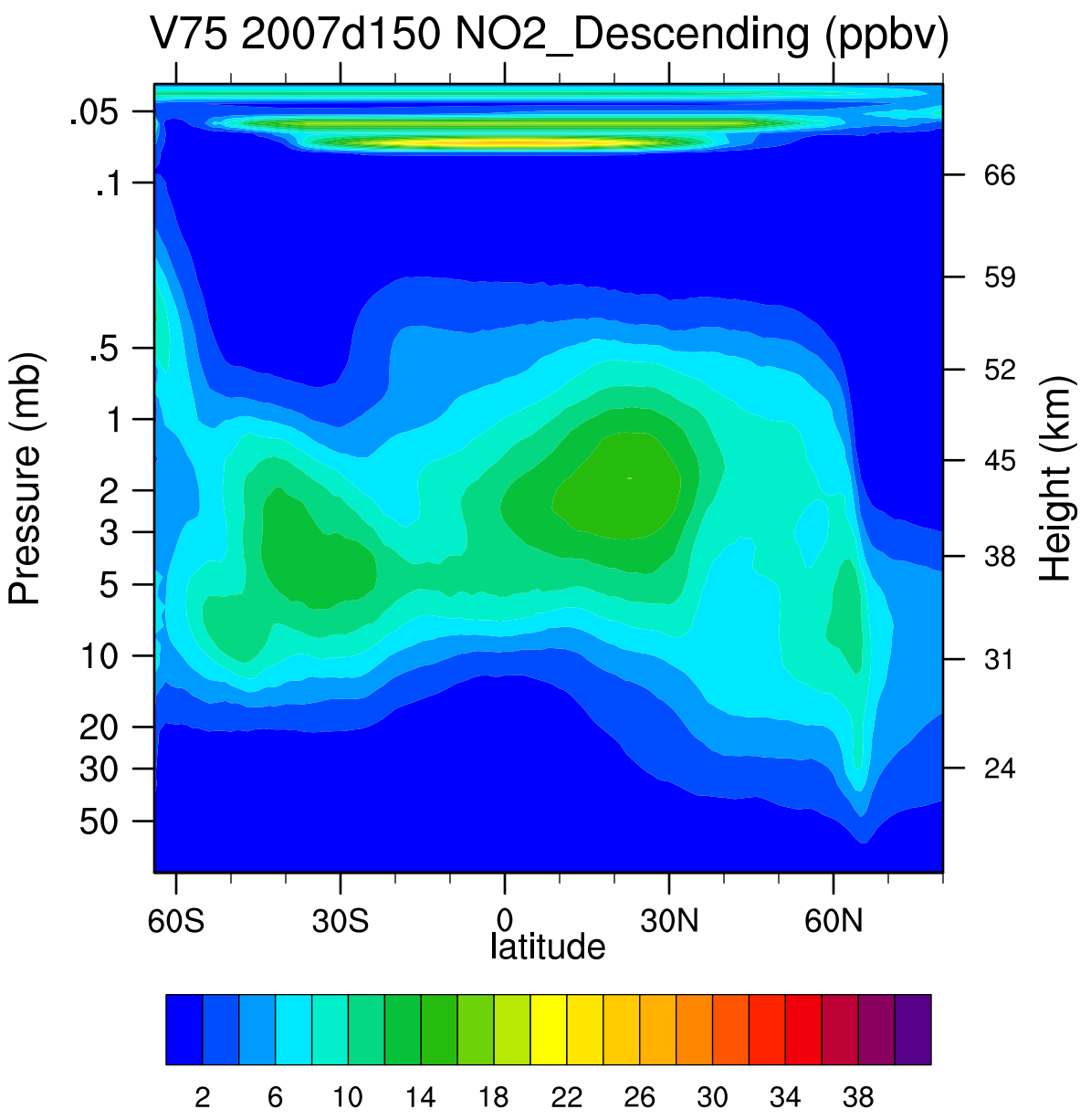
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Height (km)
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52
45
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30S
0
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60N
latitude
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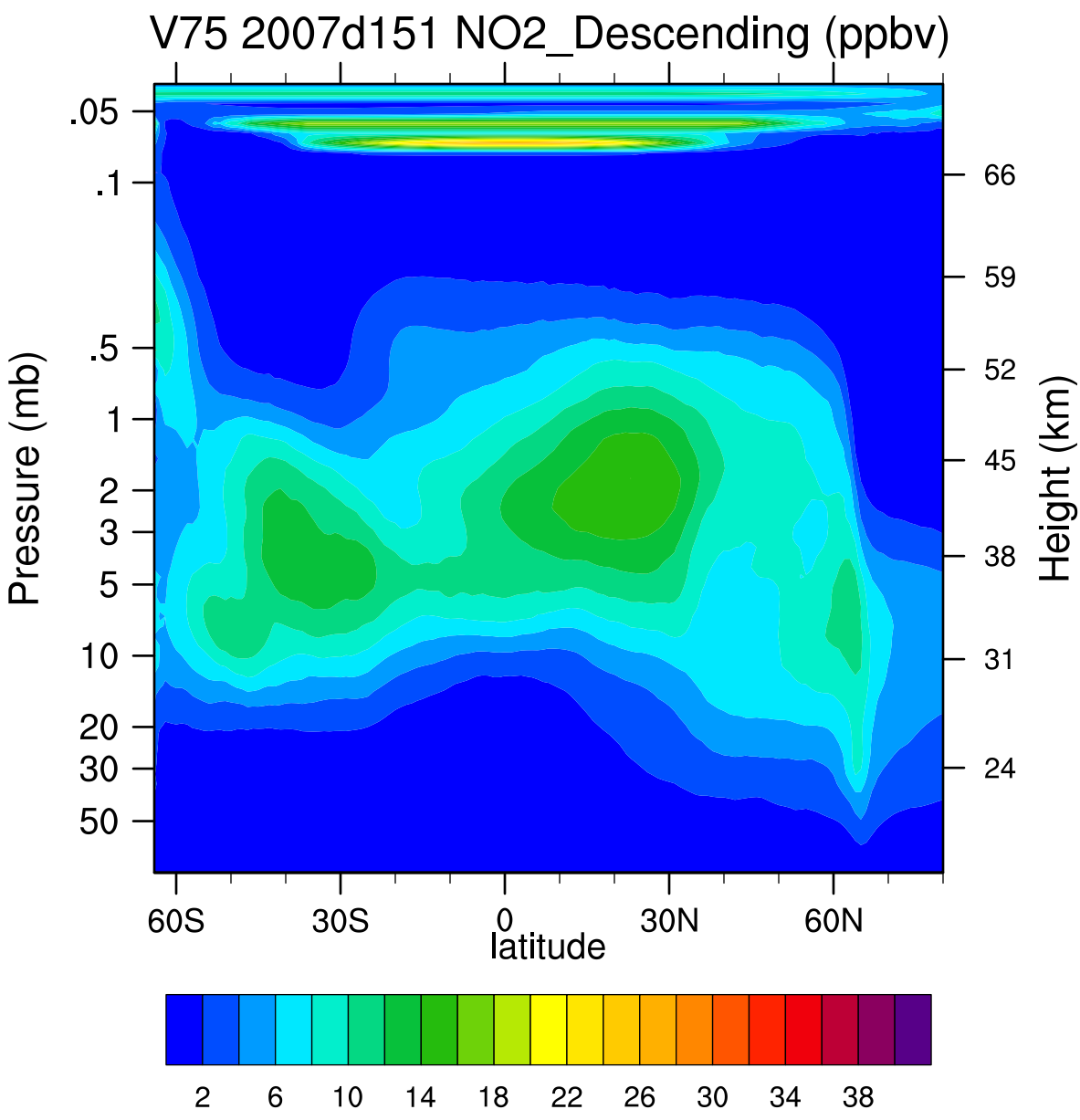
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Height (km)
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52
45
38
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24
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30S
0
30N
60N
latitude
2
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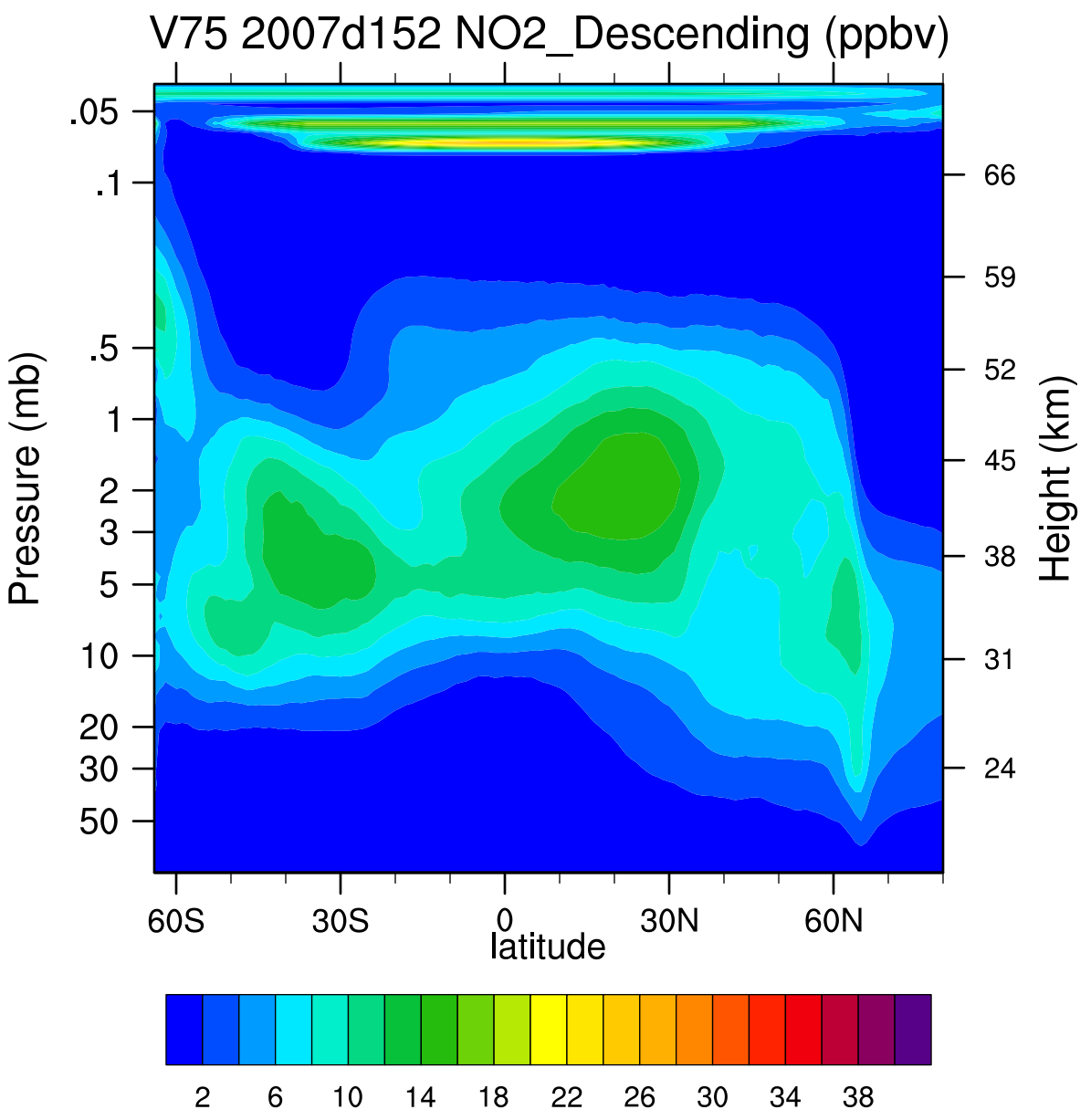
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Pressure (mb)
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45
38
31
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Height (km)
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30S
0
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60N
latitude
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26
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34
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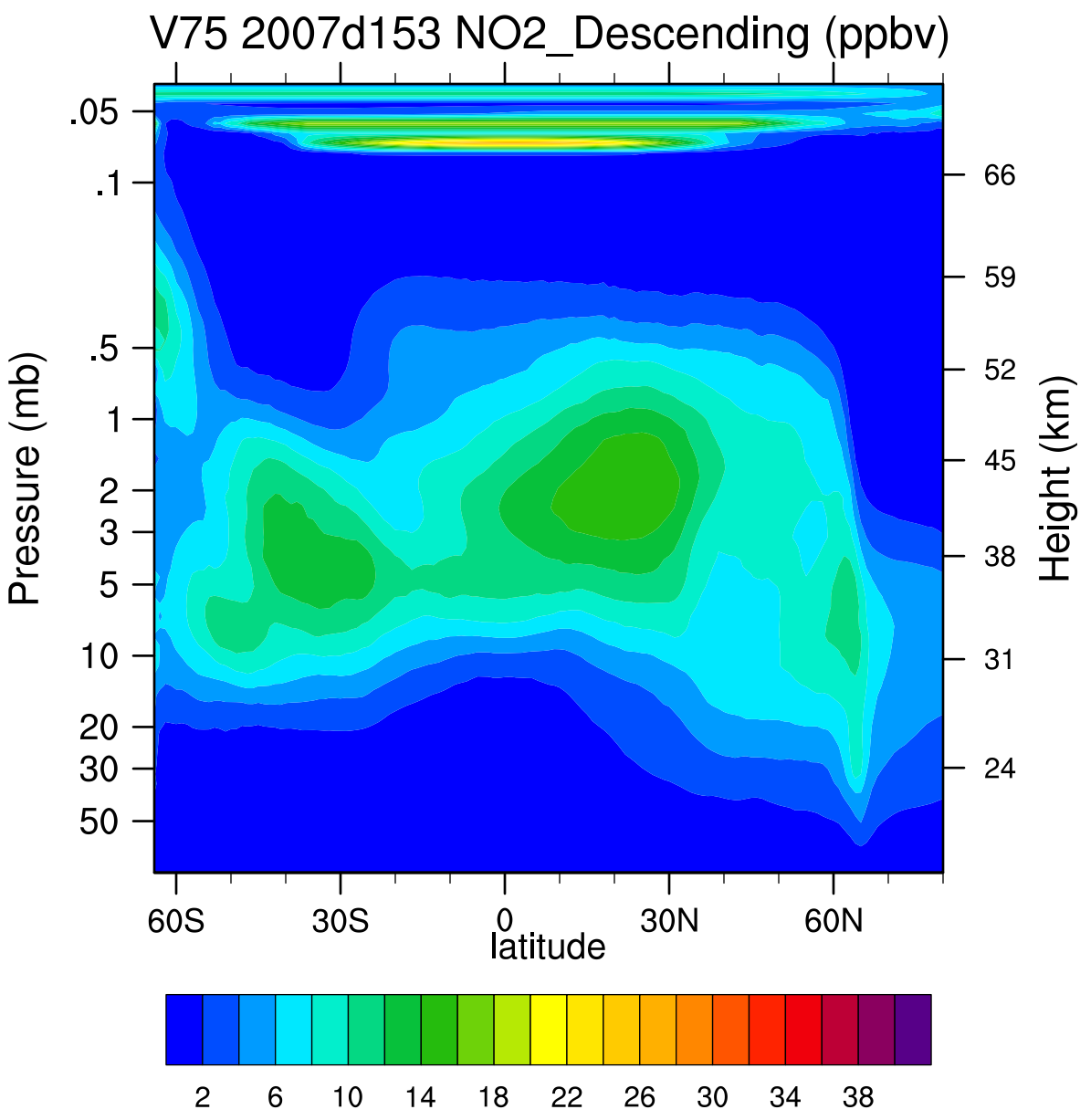
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Pressure (mb)
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45
38
31
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Height (km)
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30S
0
30N
60N
latitude
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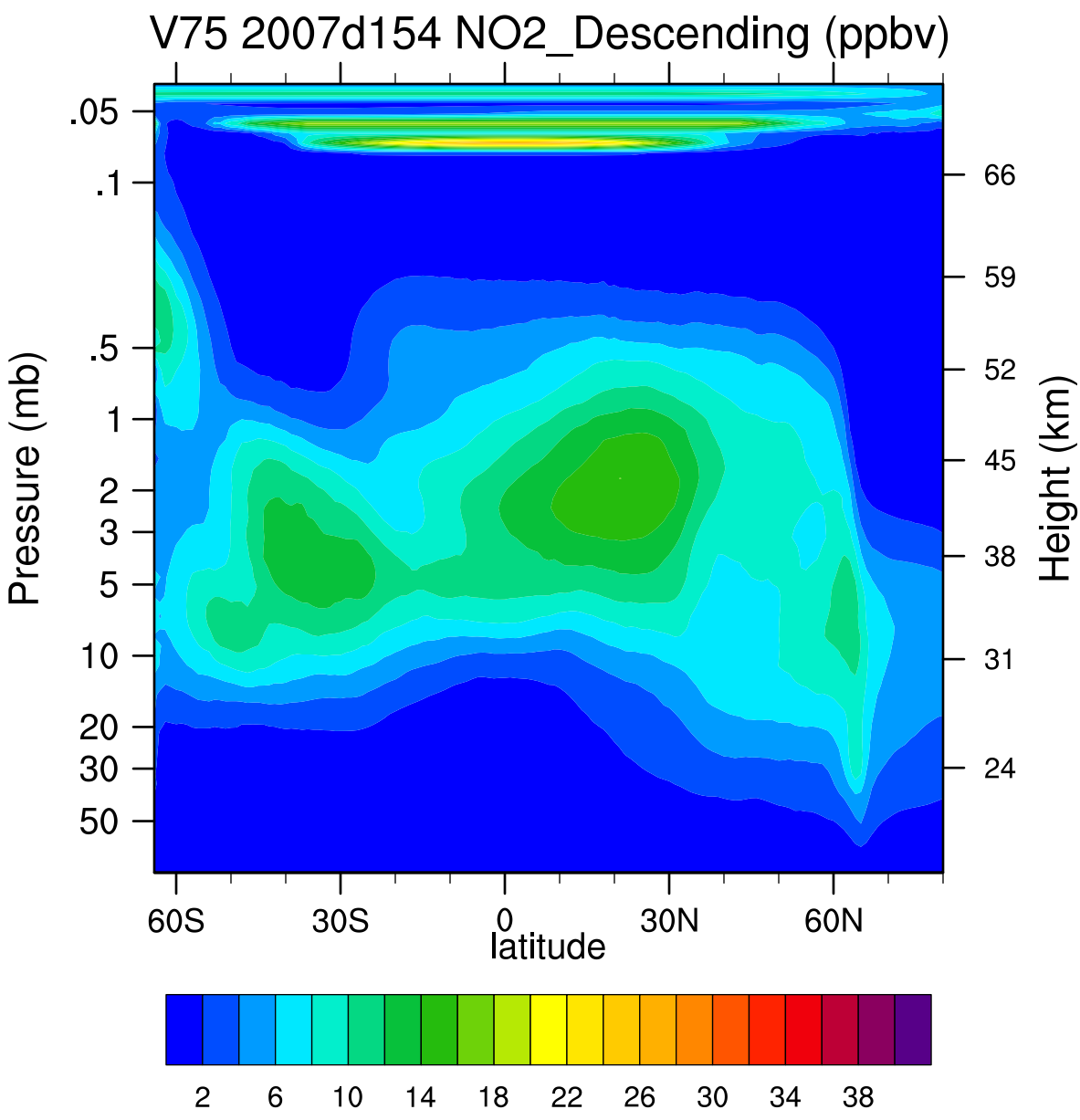
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Height (km)
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59
52
45
38
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24
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30S
0
30N
60N
latitude
2
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26
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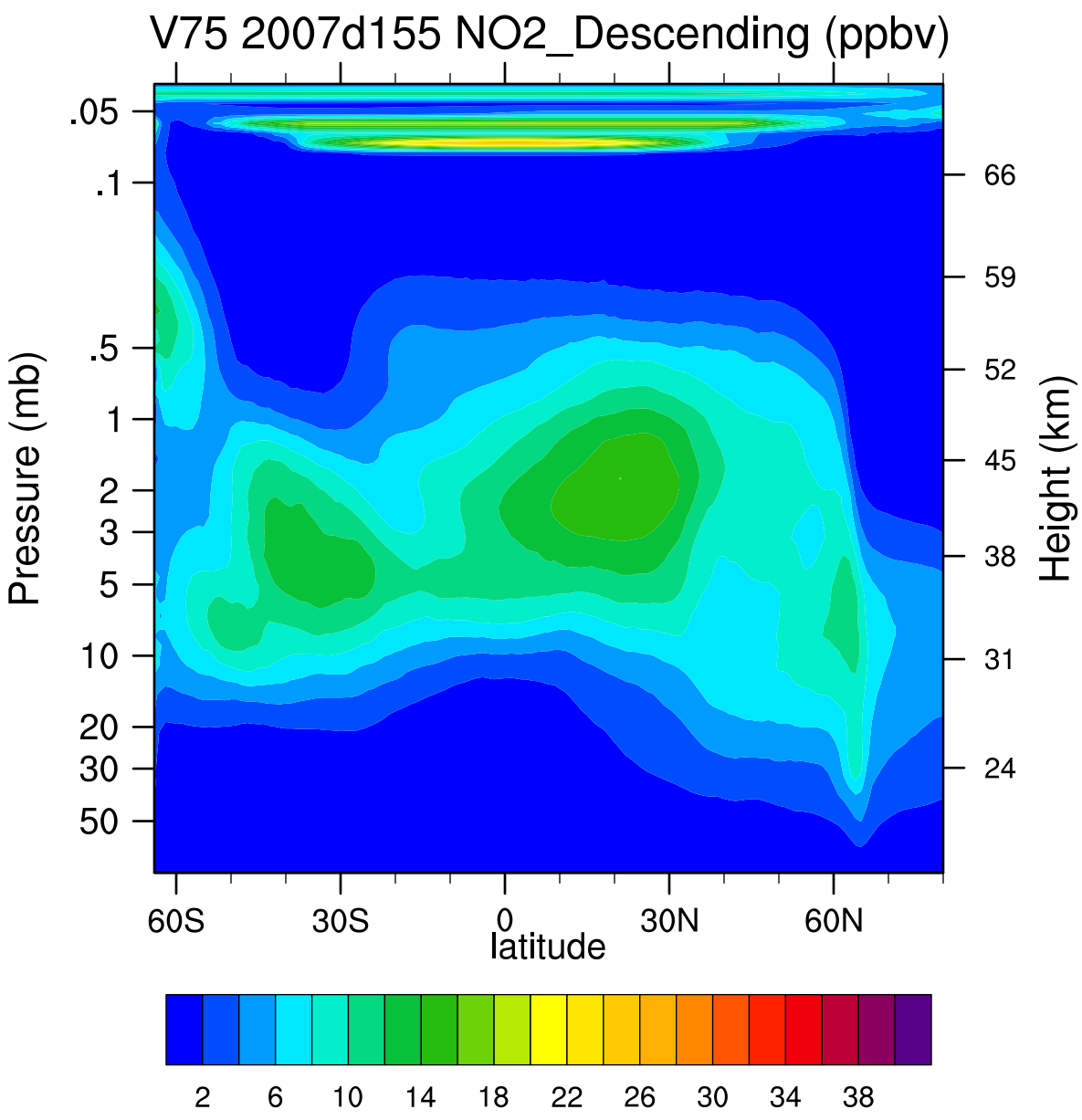
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Height (km)
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59
52
45
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24
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30S
0
30N
60N
latitude
2
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26
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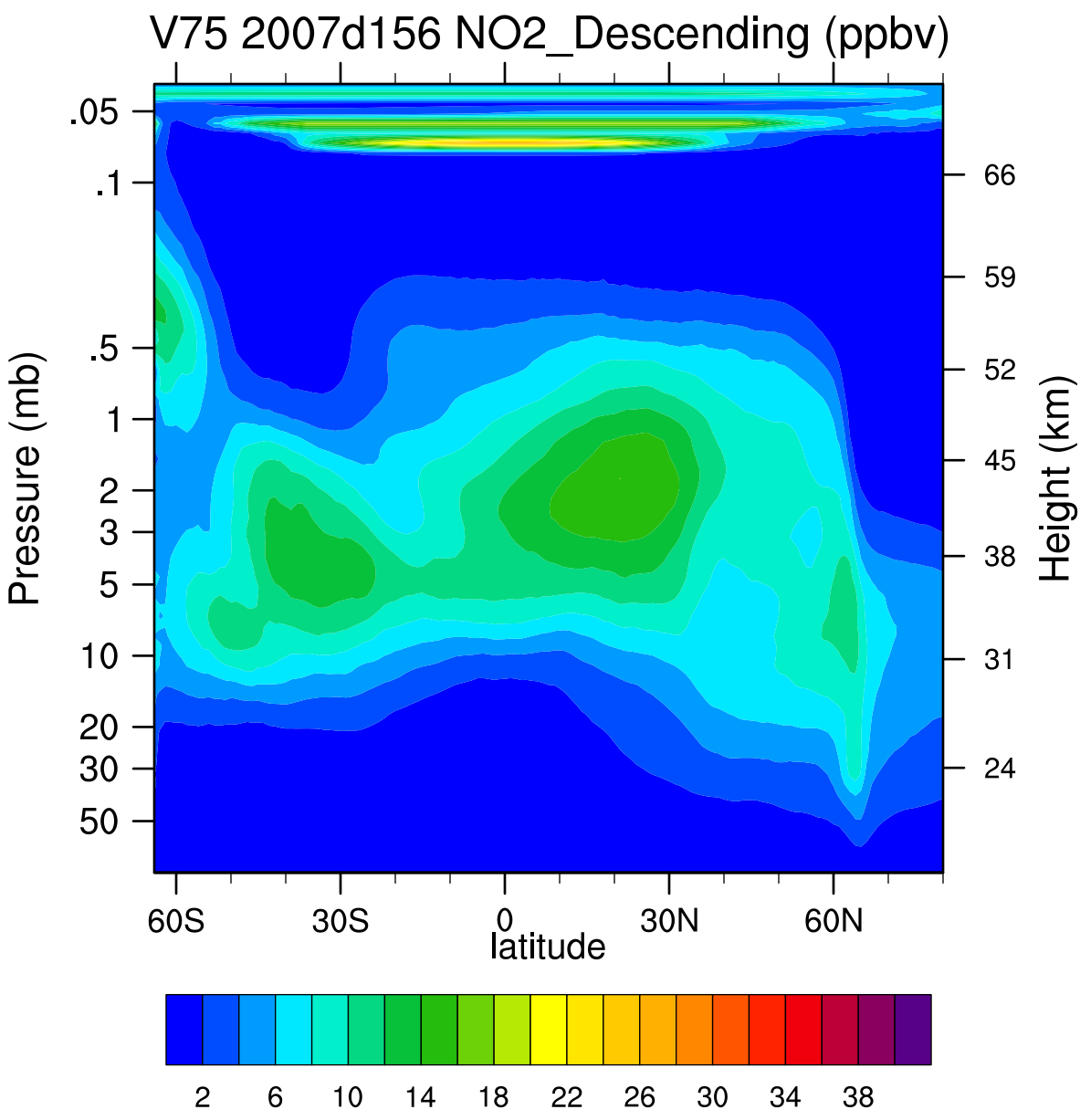
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Pressure (mb)
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52
45
38
31
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Height (km)
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30S
0
30N
60N
latitude
2
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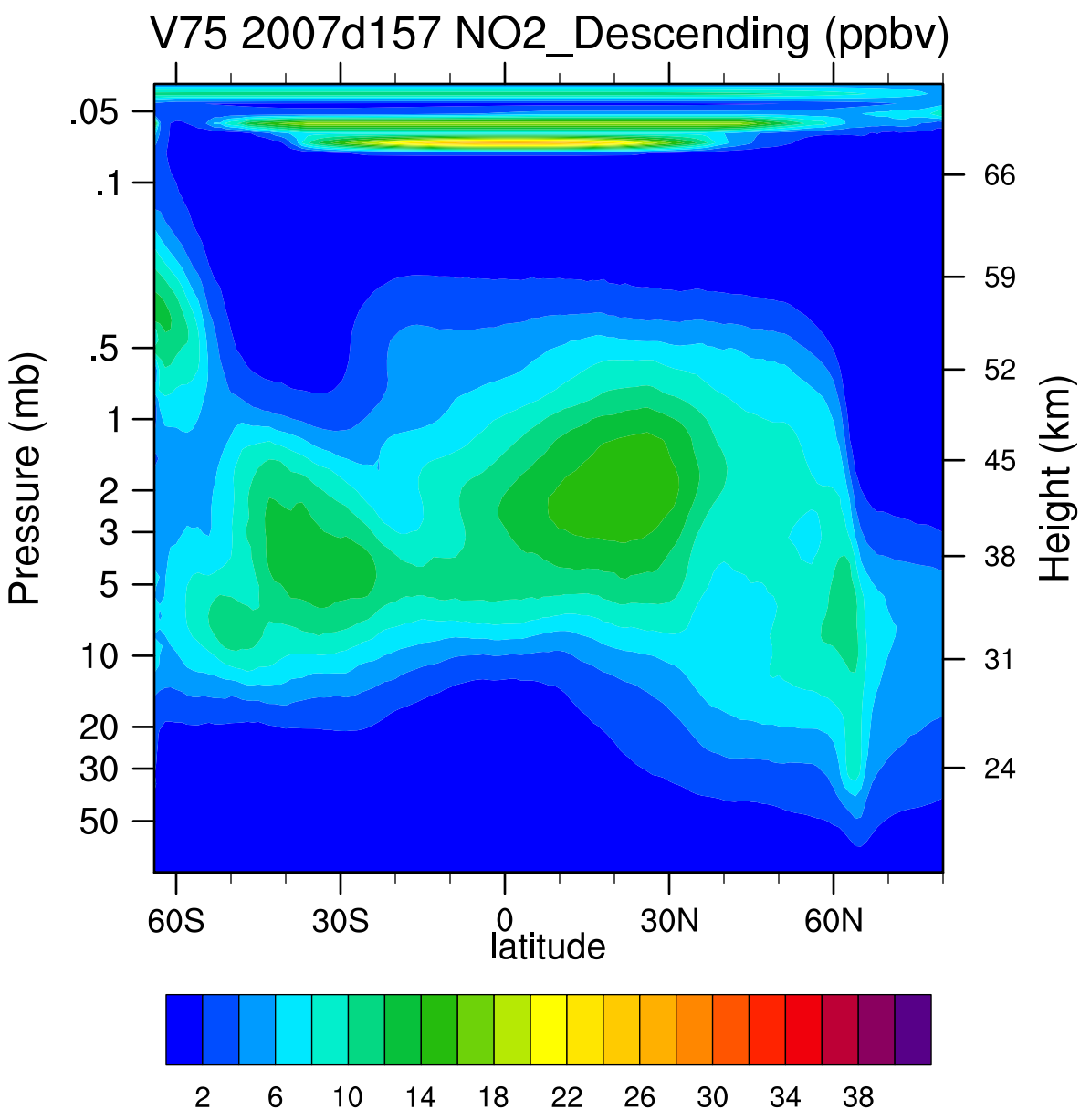
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Pressure (mb)
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59
52
45
38
31
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Height (km)
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30S
0
30N
60N
latitude
2
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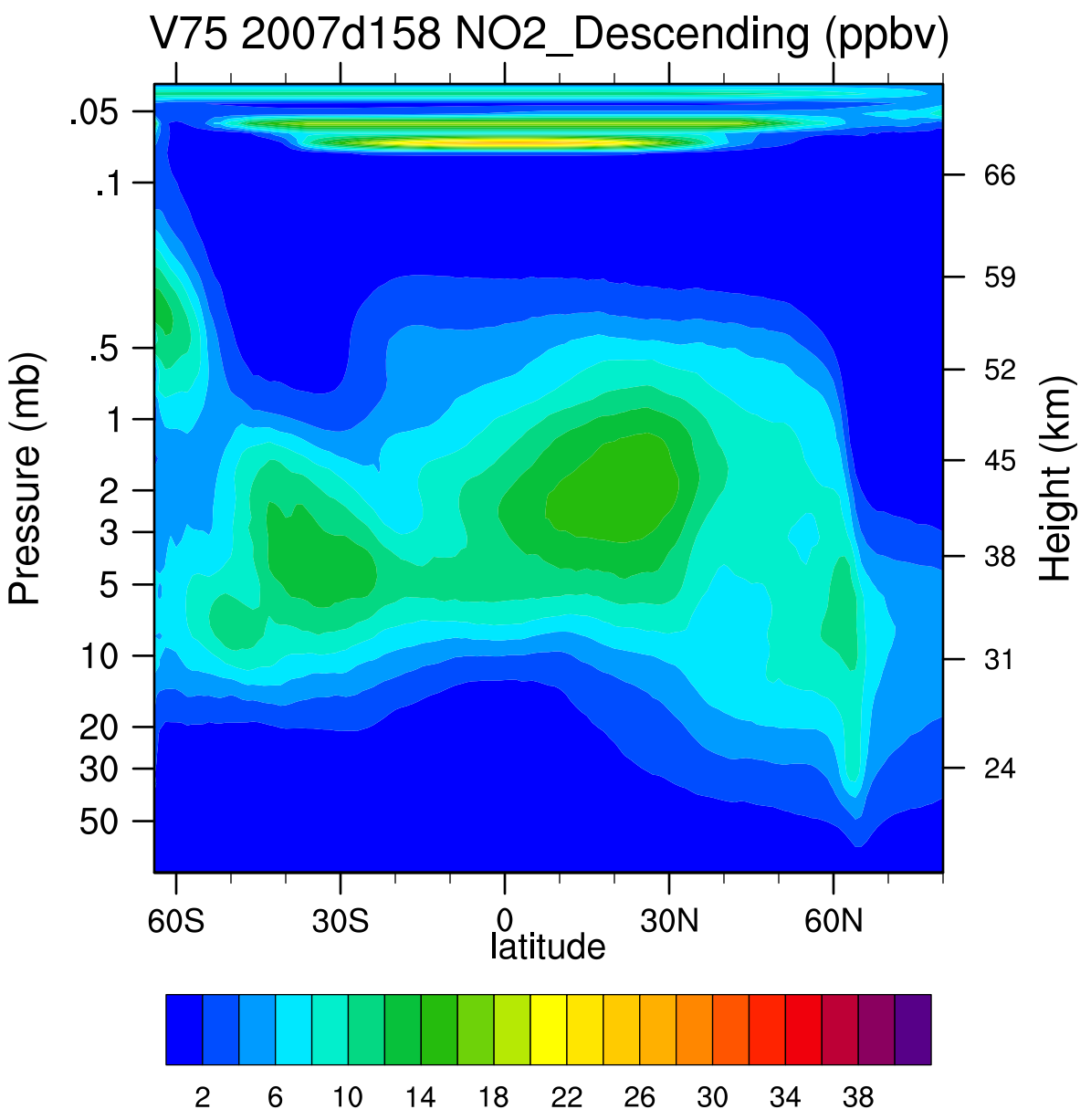
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Pressure (mb)
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50
Height (km)
66
59
52
45
38
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30S
0
30N
60N
latitude
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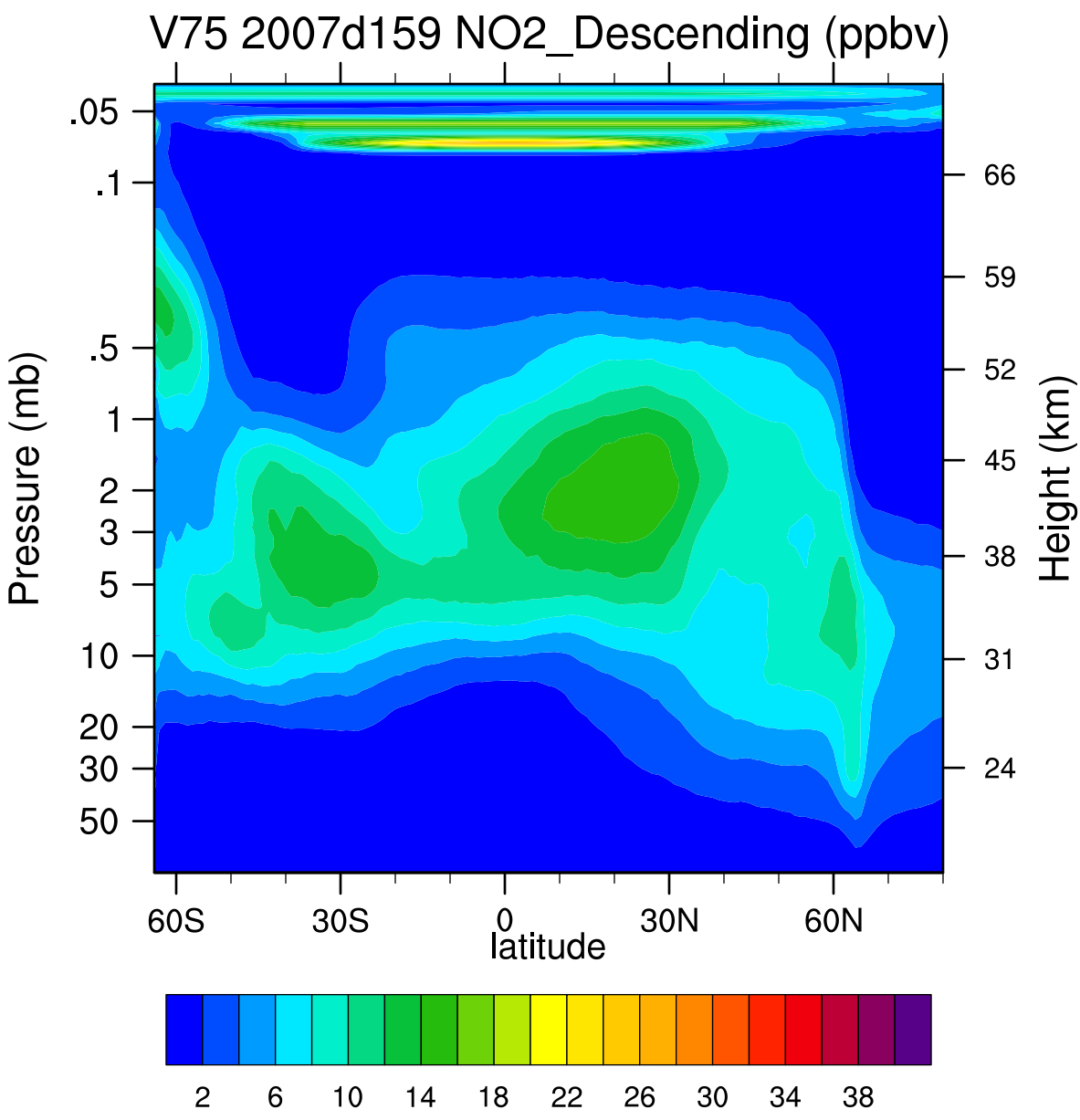
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Pressure (mb)
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2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
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24
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30S
0
30N
60N
latitude
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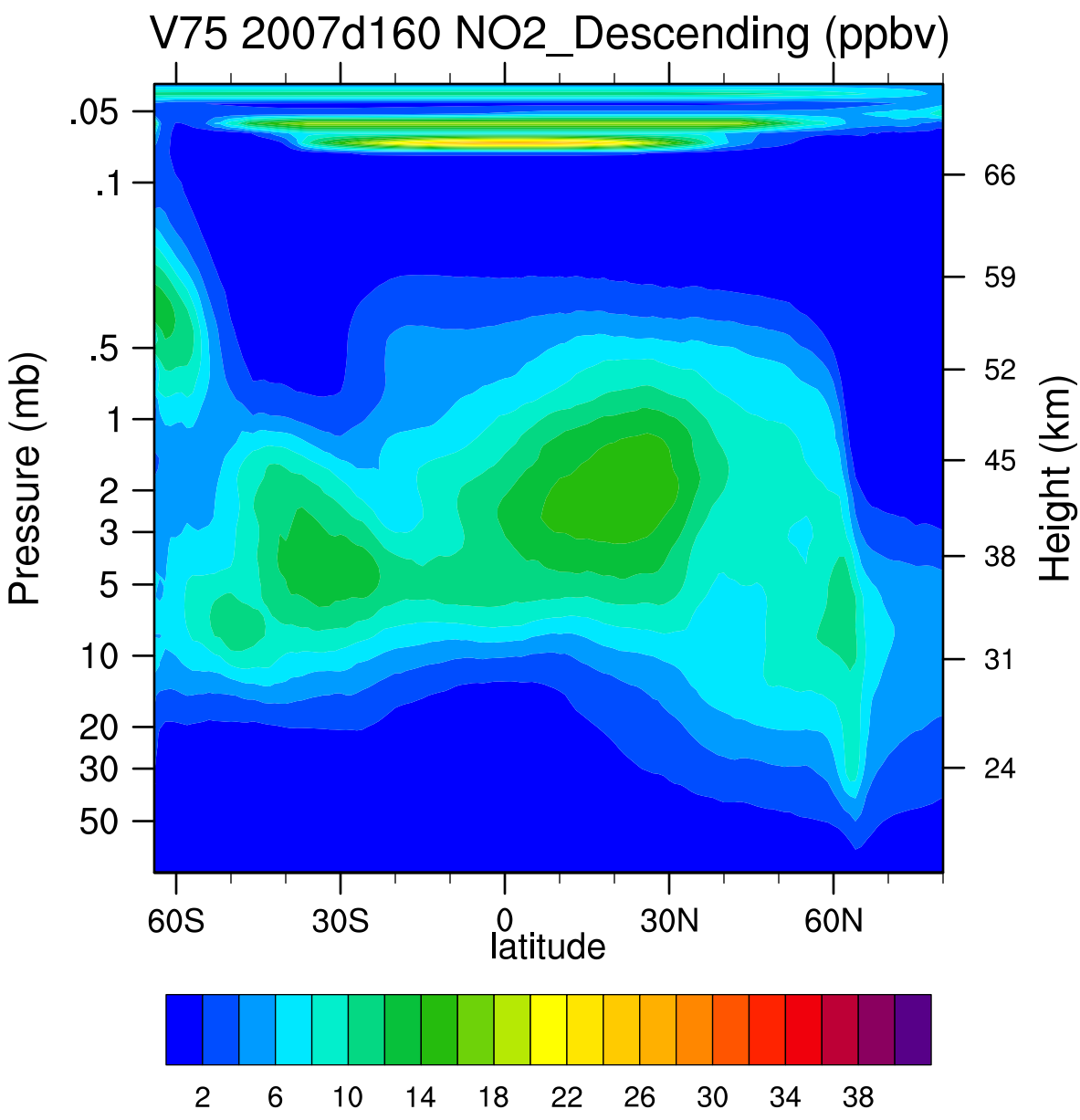
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Pressure (mb)
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50
Height (km)
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52
45
38
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24
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30S
0
30N
60N
latitude
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14
18
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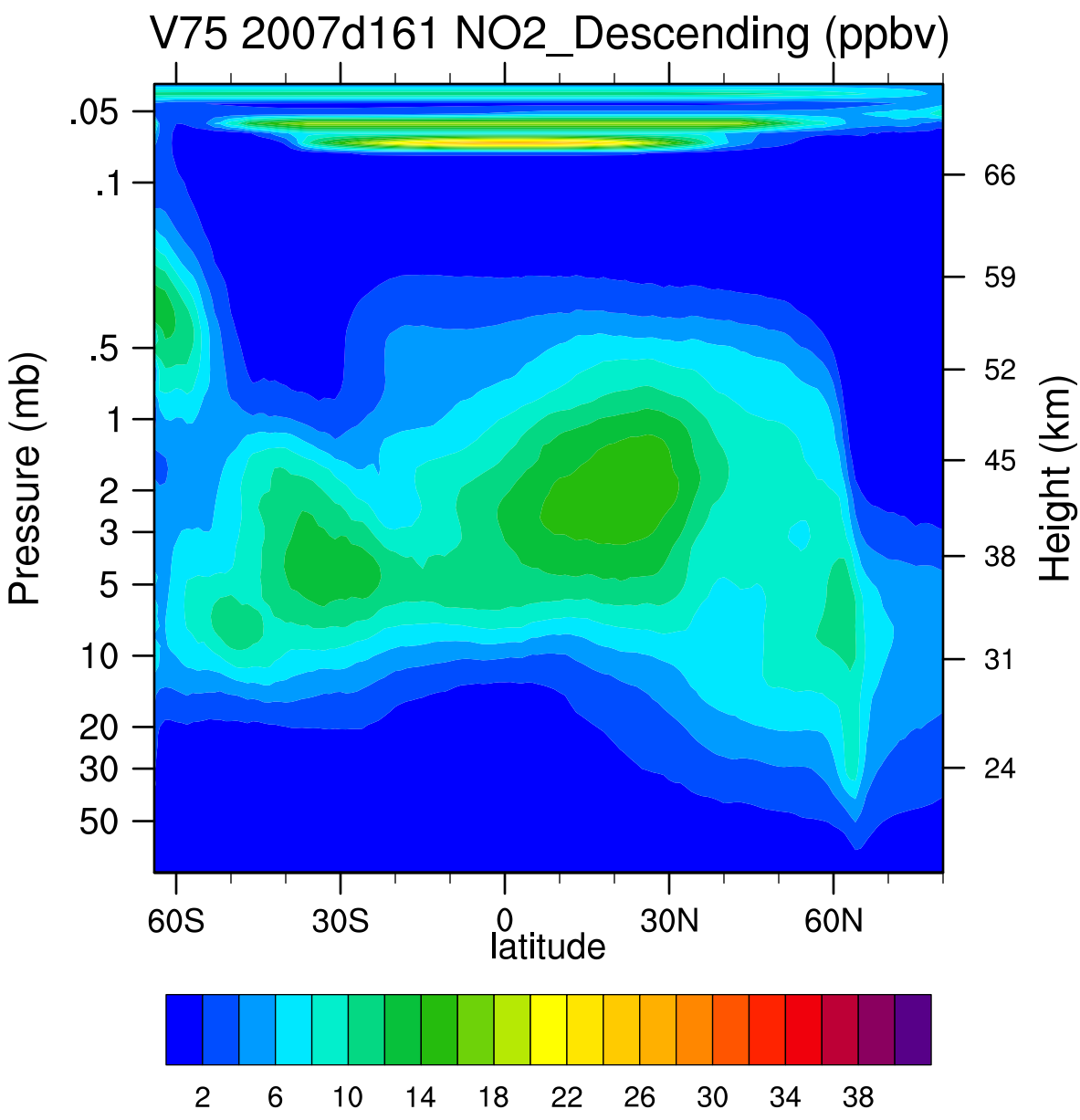
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.1
.5
1
2
3
5
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30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
60S
30S
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30N
60N
latitude
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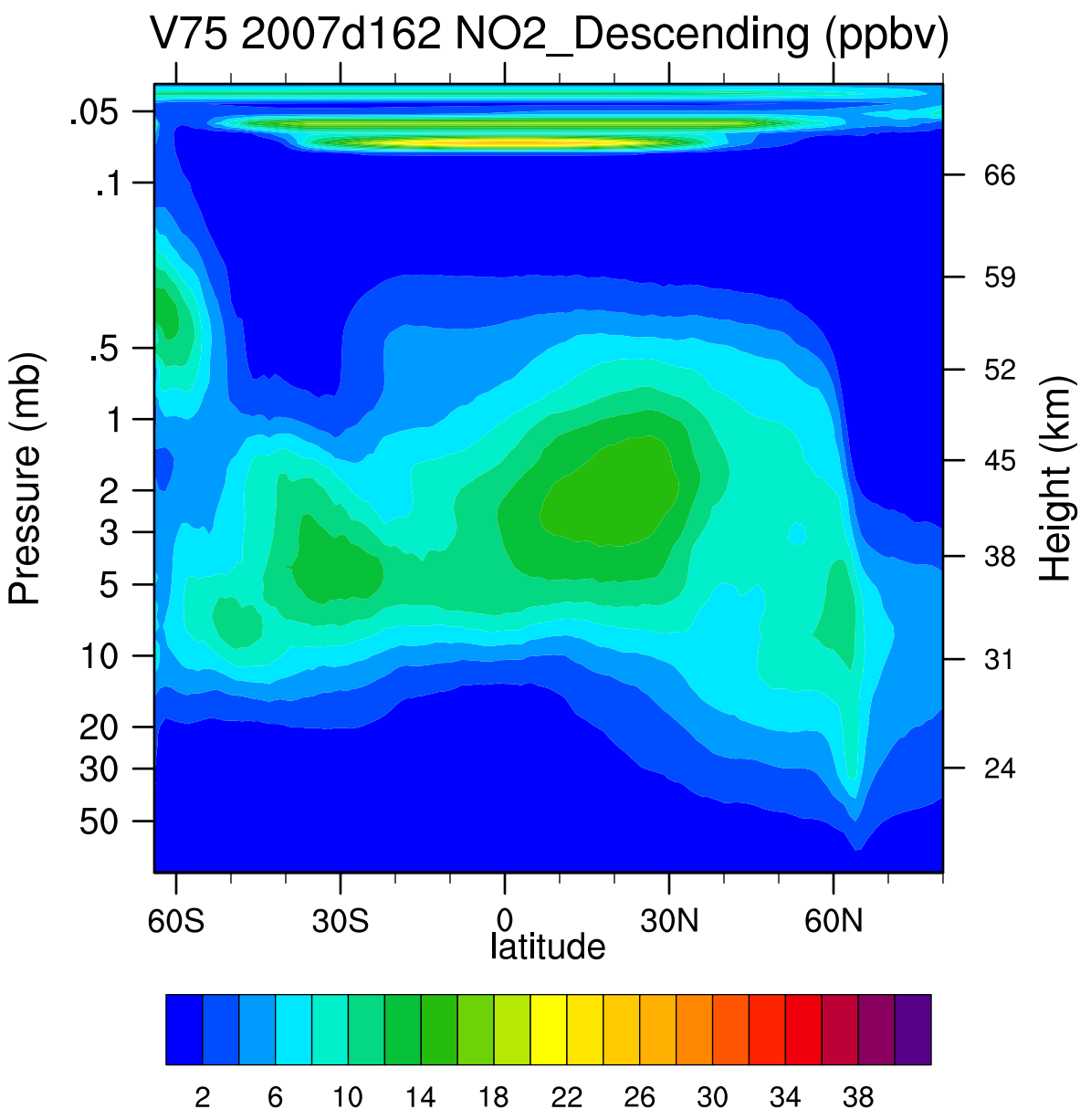
34
38


V75 2007d162 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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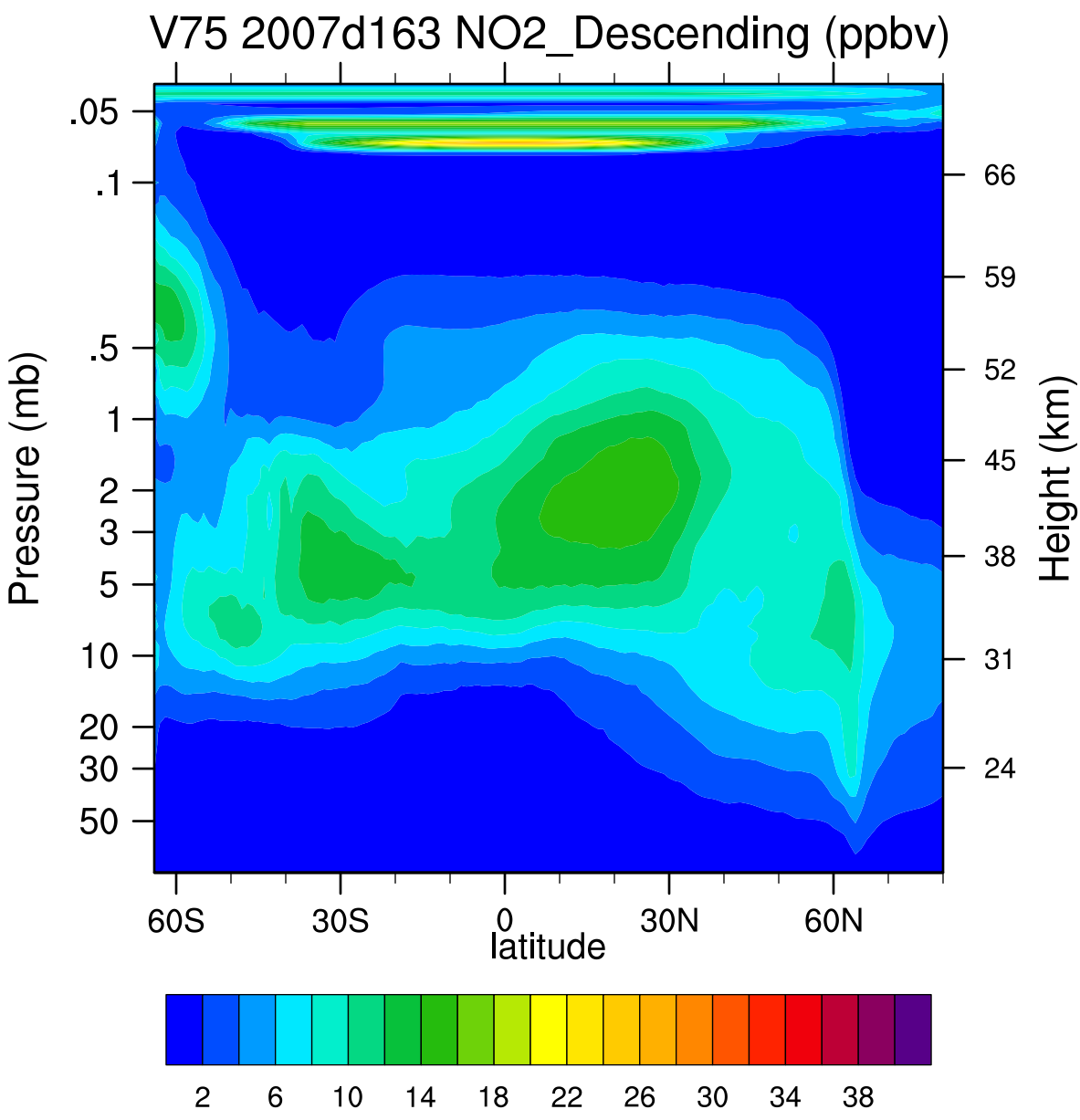
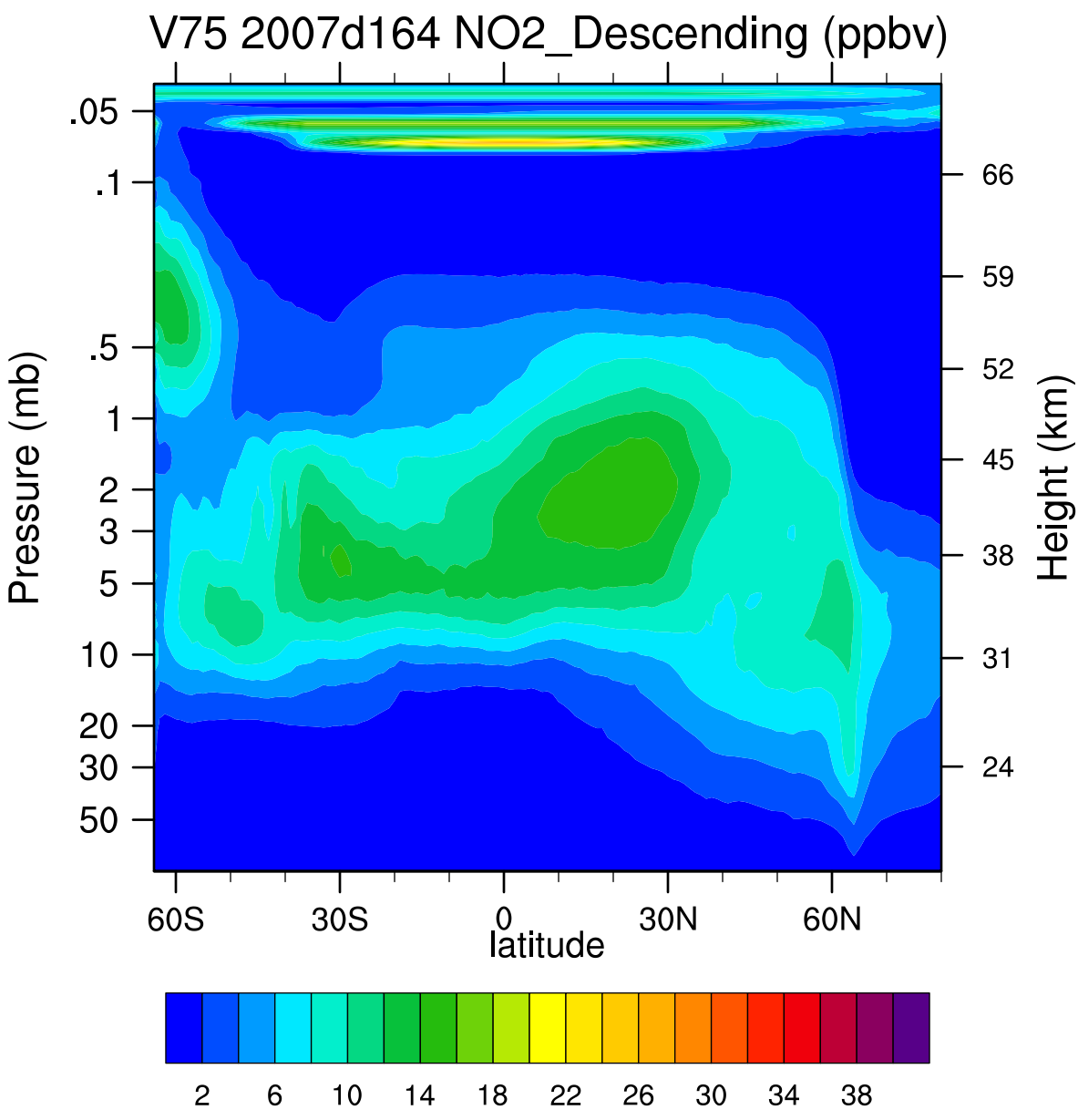

V75 2007d163 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2007d164 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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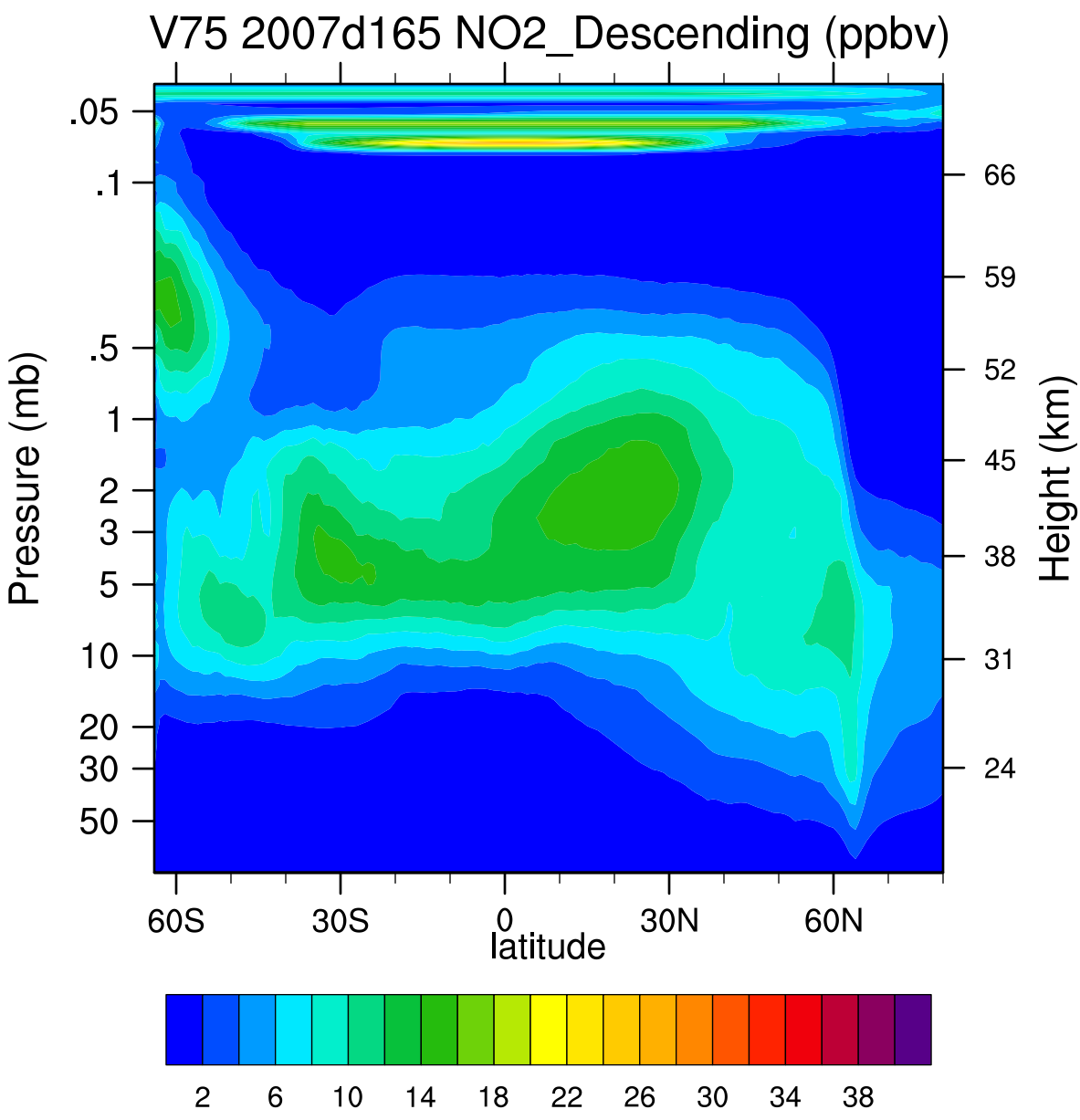
V75 2007d165 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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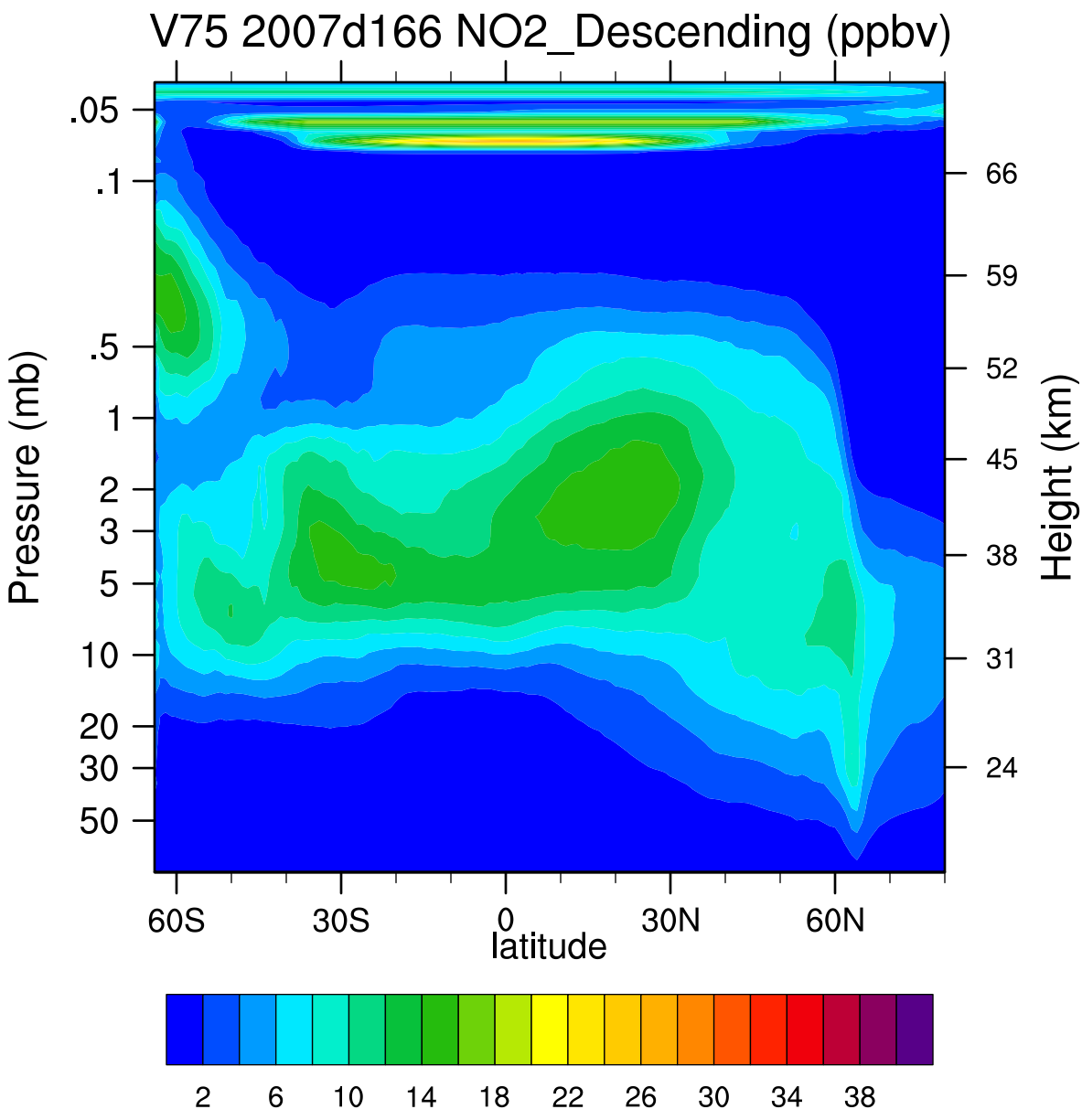
V75 2007d166 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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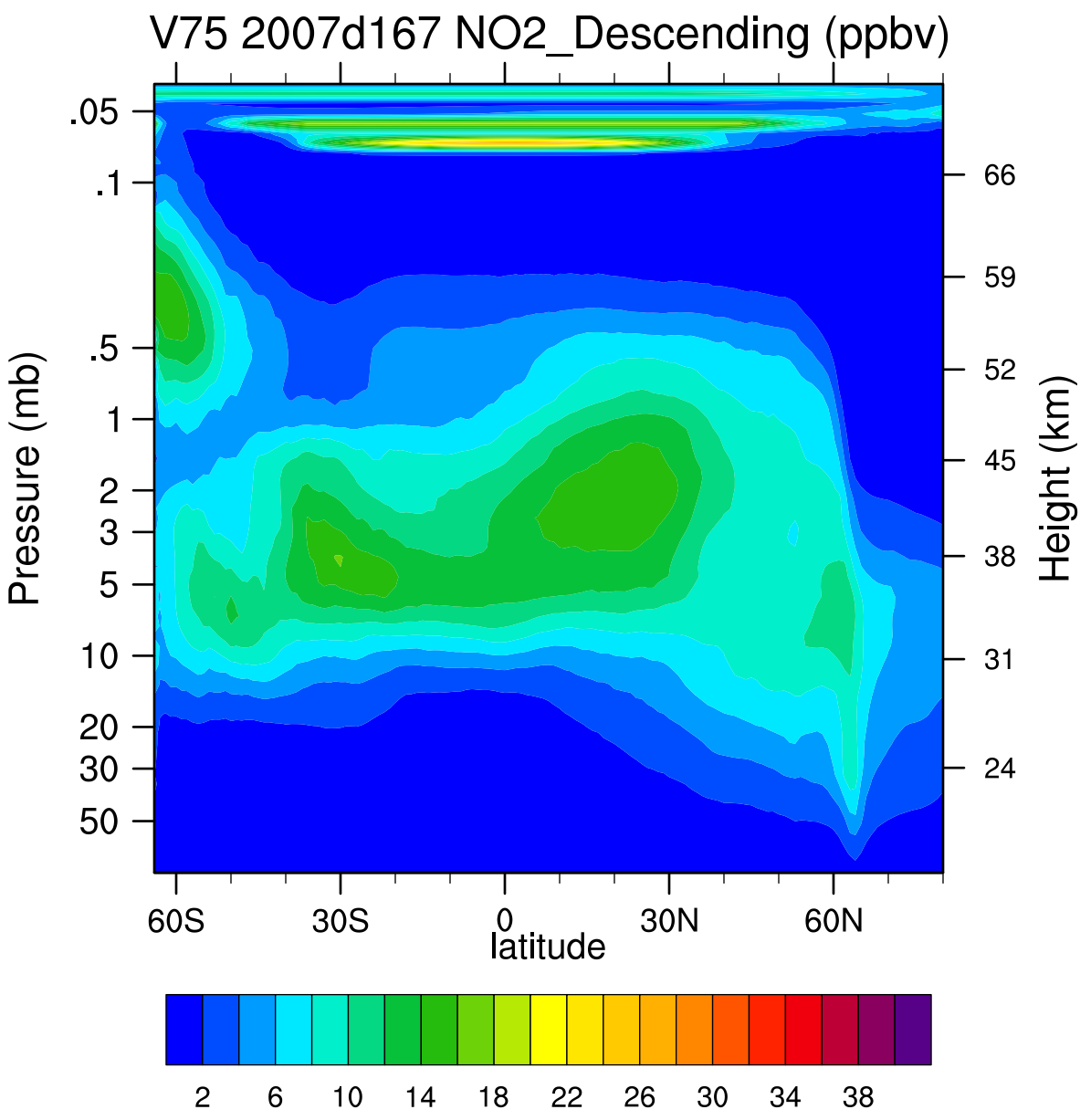
V75 2007d167 NO2_Descending (ppbv)
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.1
.5
1
2
3
5
10
20
30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
60S
30S
0
30N
60N
latitude
2
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10
14
18
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26
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34
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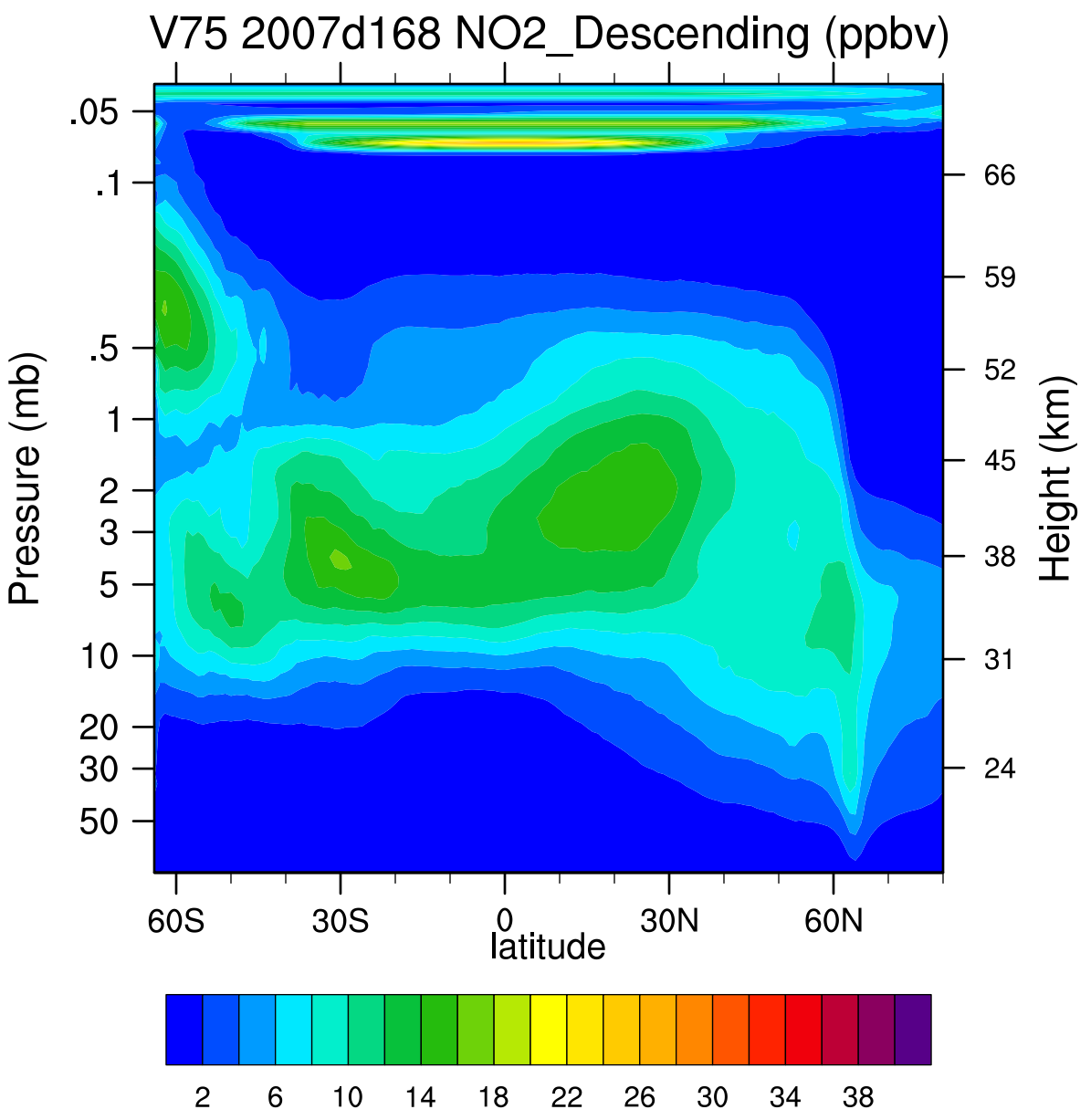
V75 2007d168 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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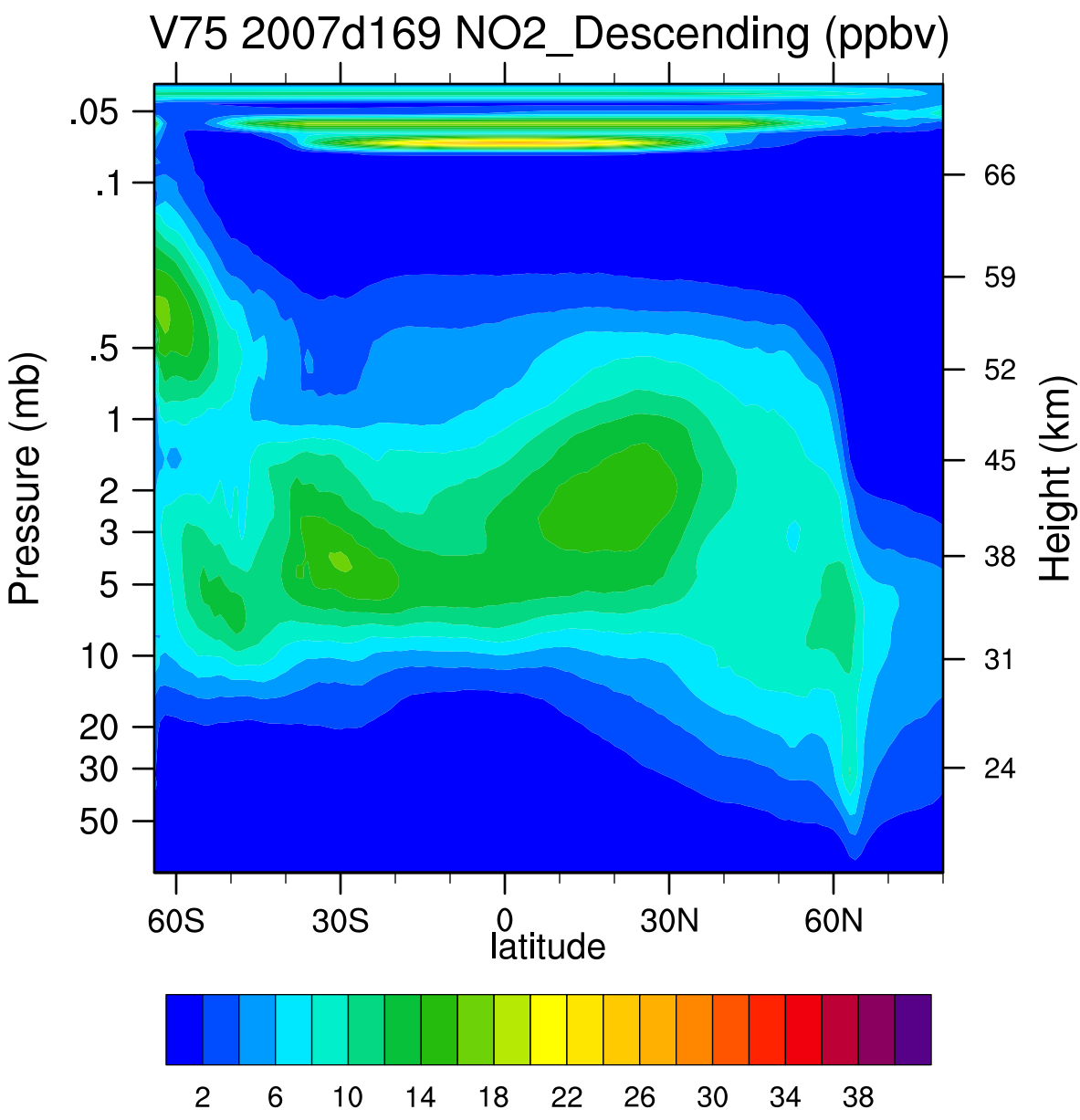
V75 2007d169 NO2_Descending (ppbv)
Pressure (mb)
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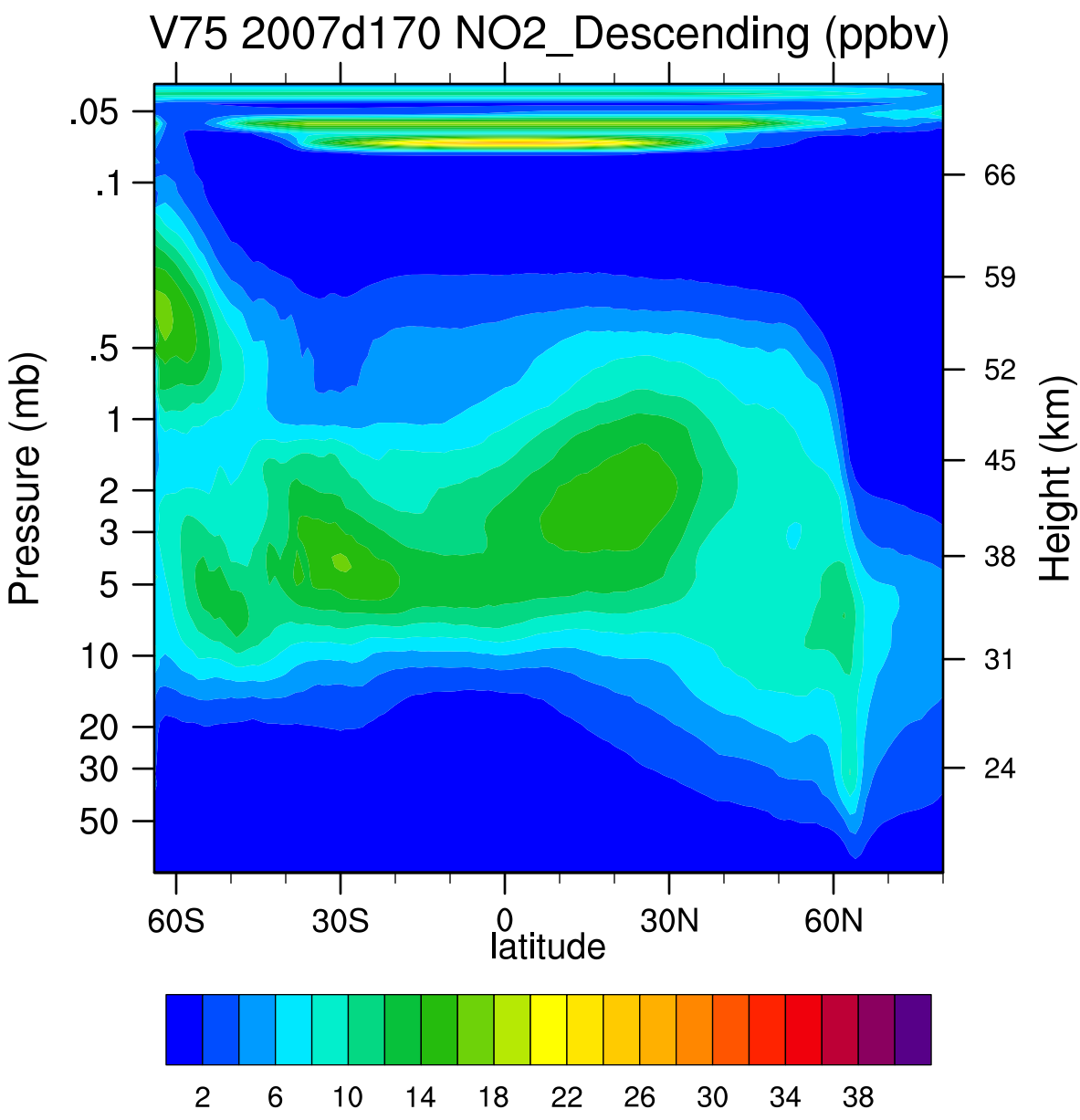
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2007d170 NO2_Descending (ppbv)
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.1
.5
1
2
3
5
10
20
30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
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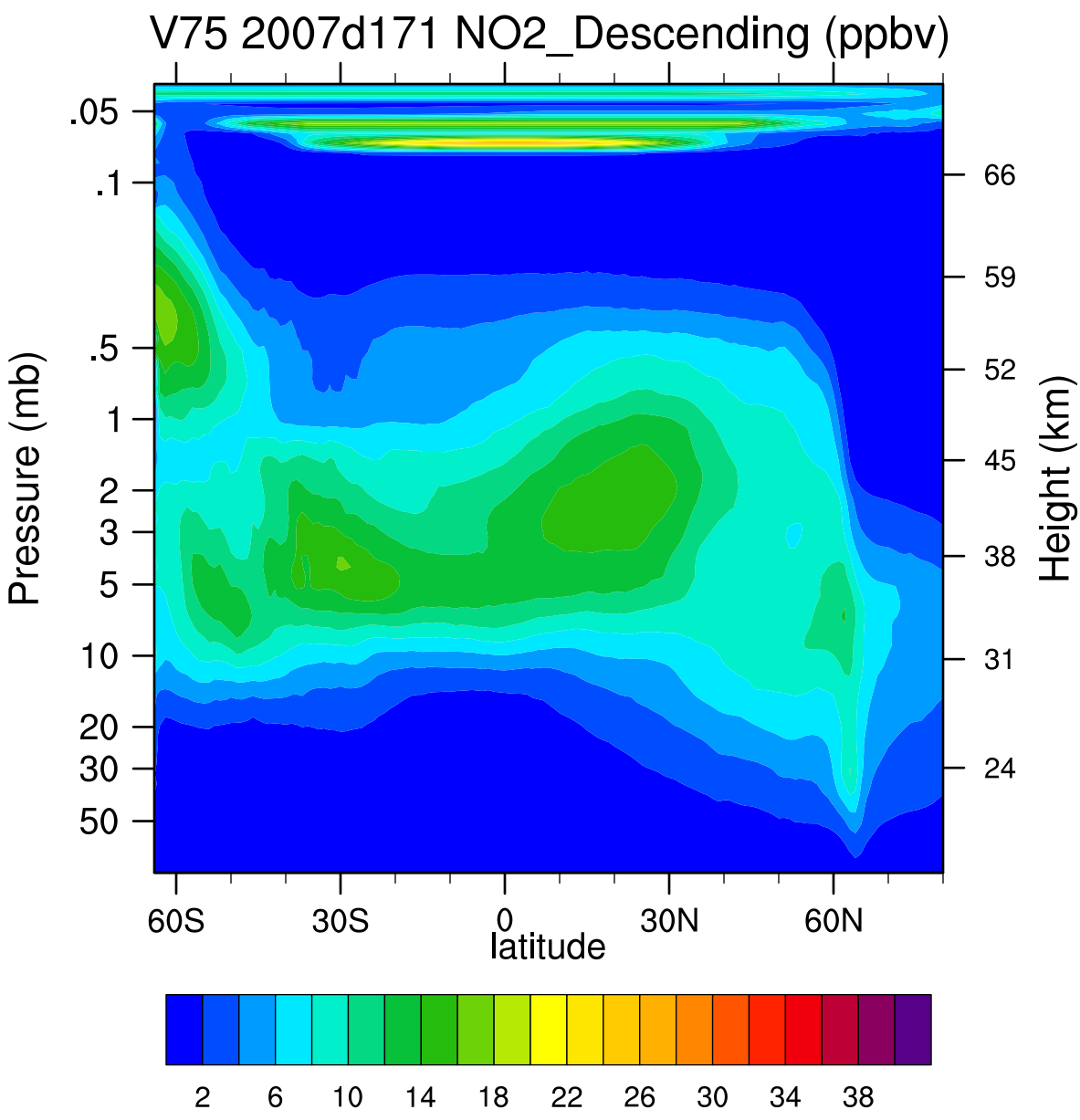
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2007d171 NO2_Descending (ppbv)
Pressure (mb)
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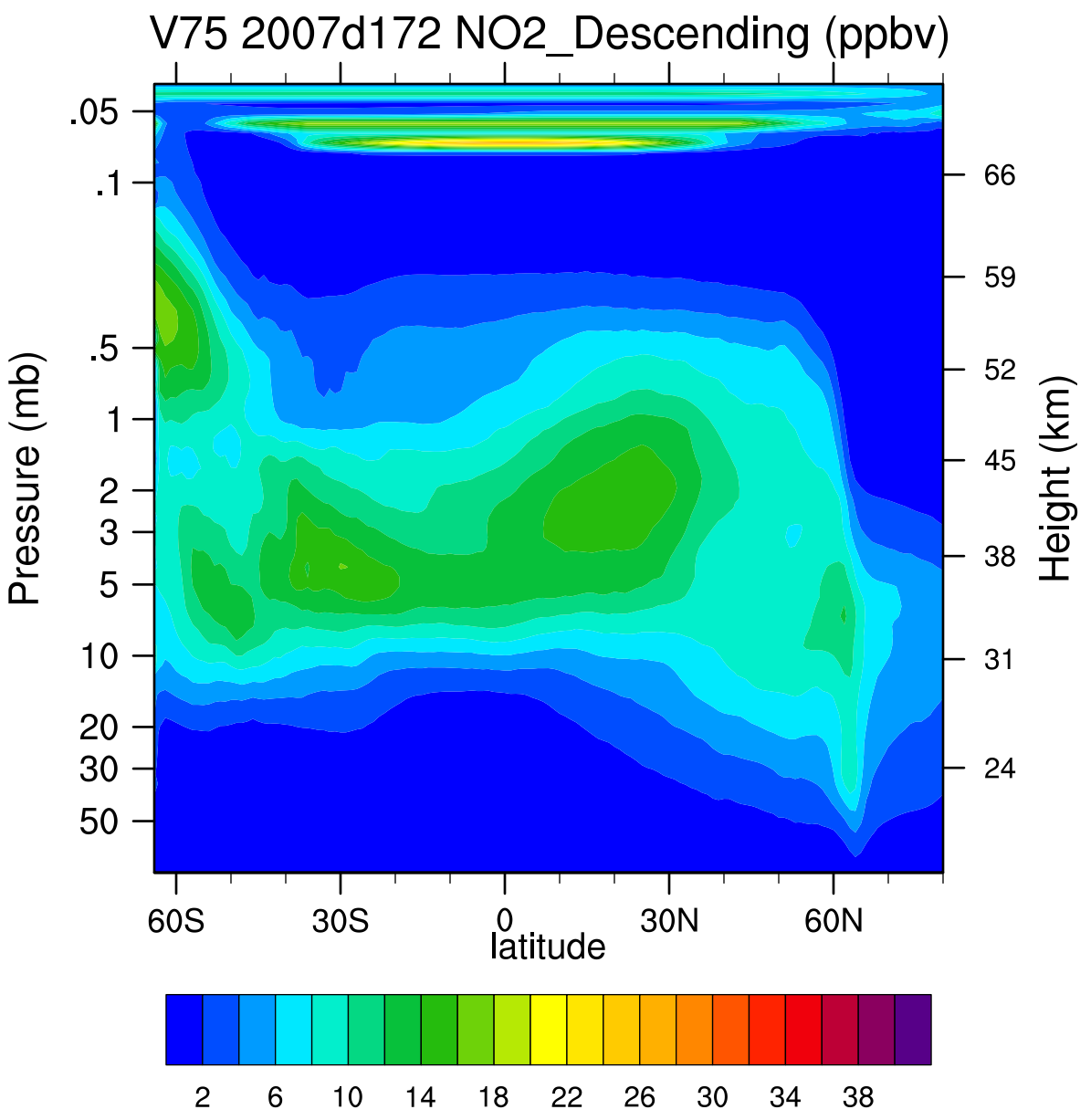
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2007d172 NO2_Descending (ppbv)
Pressure (mb)
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.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
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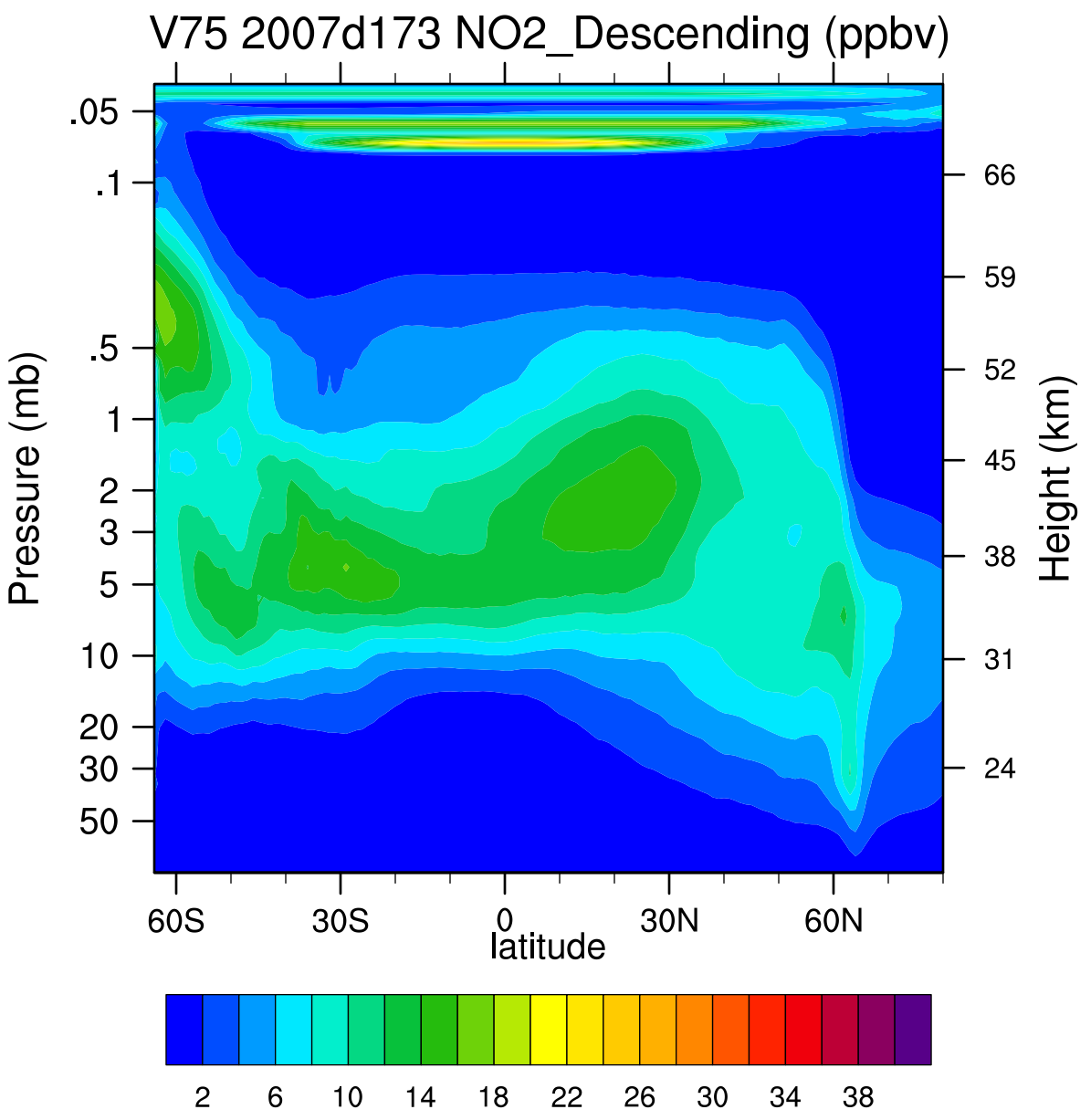
38


V75 2007d173 NO2_Descending (ppbv)
Pressure (mb)
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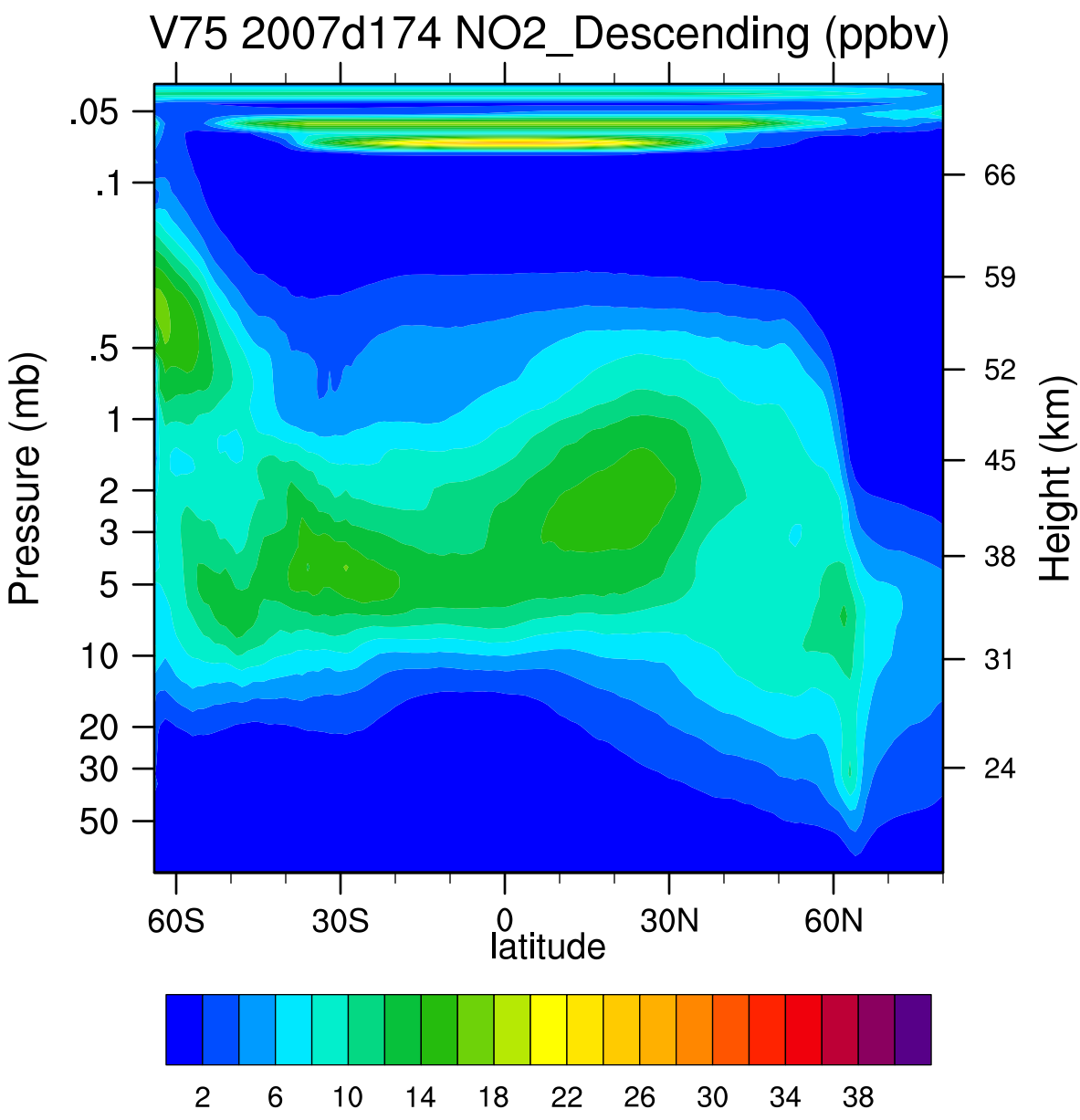
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2007d174 NO2_Descending (ppbv)
Pressure (mb)
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.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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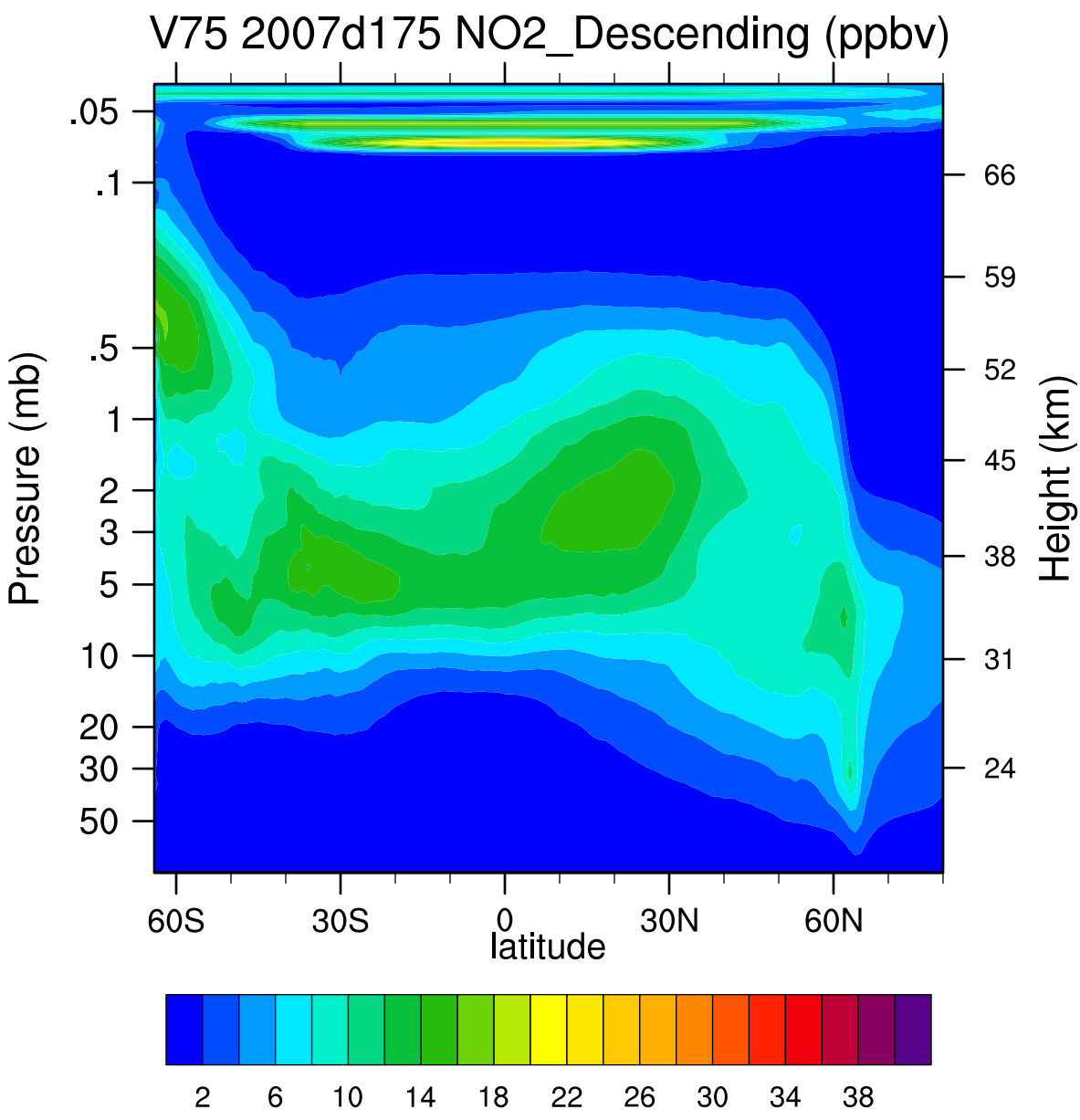
V75 2007d175 NO2_Descending (ppbv)
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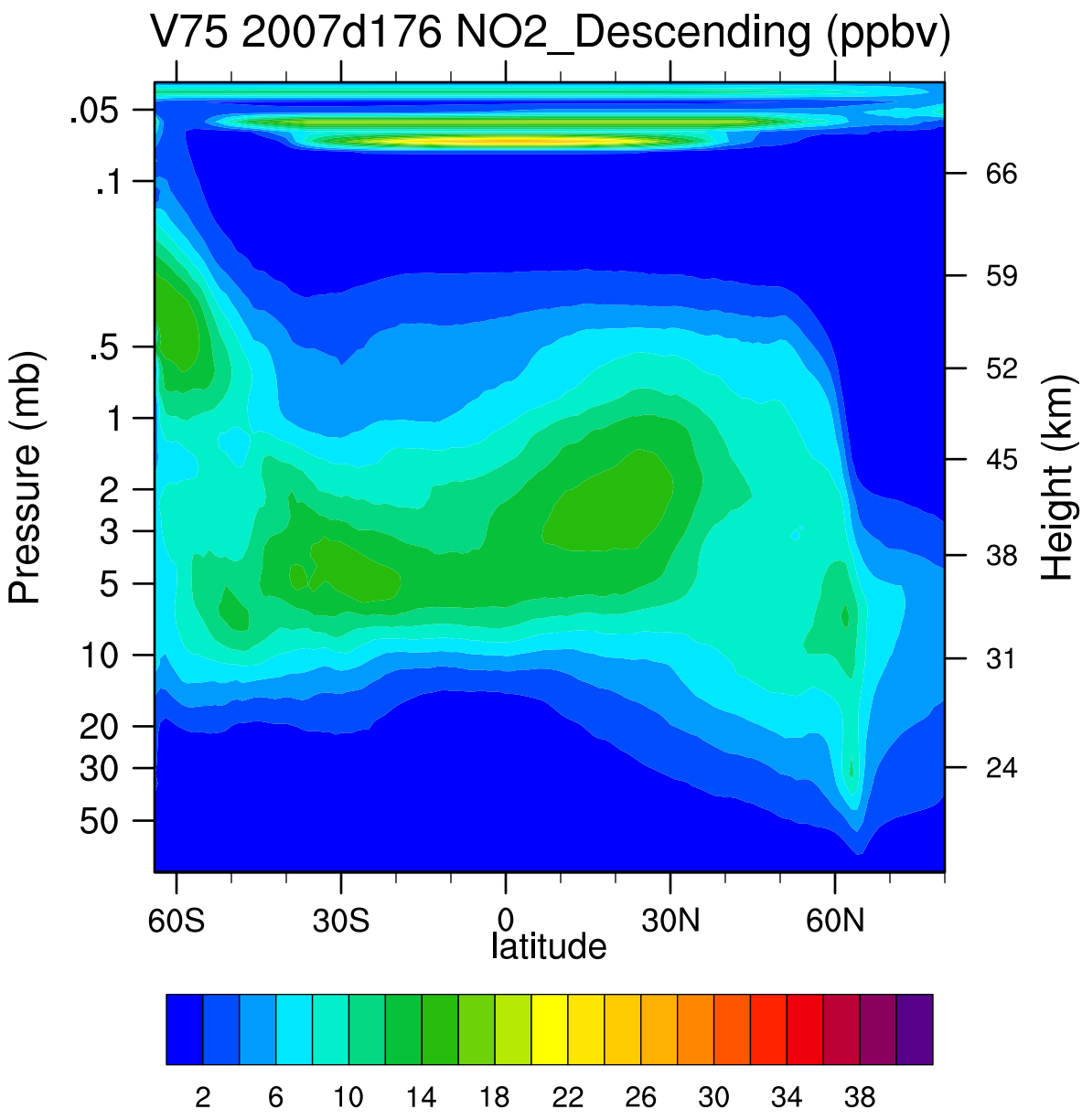
.5
1
2
3
5
10
20
30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2007d176 NO2_Descending (ppbv)
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.5
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30
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Pressure (mb)
66
59
52
45
38
31
24
Height (km)
60S
30S
0
30N
60N
latitude
2
6
10
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26
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34
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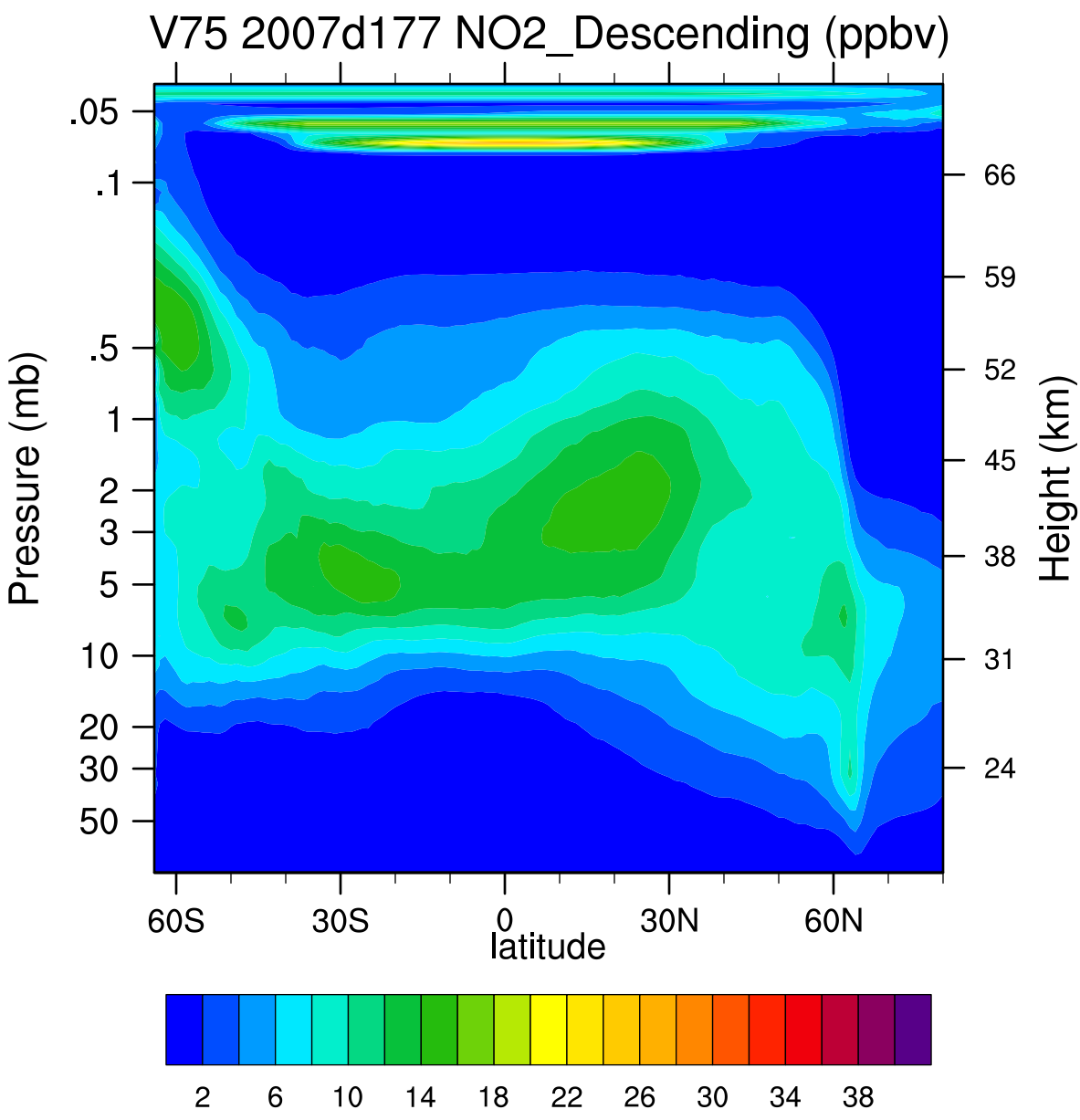
V75 2007d177 NO2_Descending (ppbv)
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.5
1
2
3
5
10
20
30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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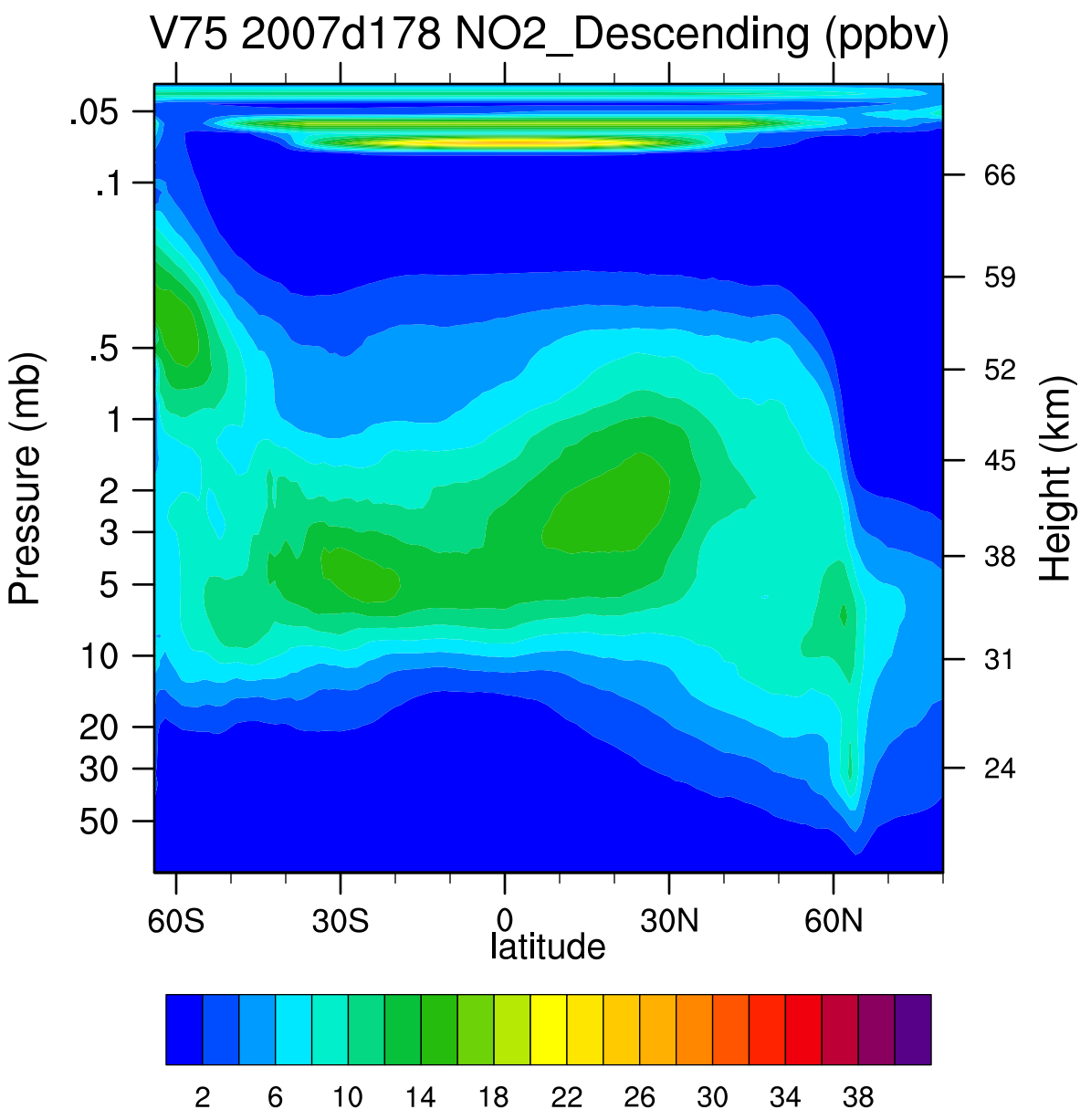
V75 2007d178 NO2_Descending (ppbv)
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.5
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2
3
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20
30
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Pressure (mb)
66
59
52
45
38
31
24
Height (km)
60S
30S
0
30N
60N
latitude
2
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14
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22
26
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34
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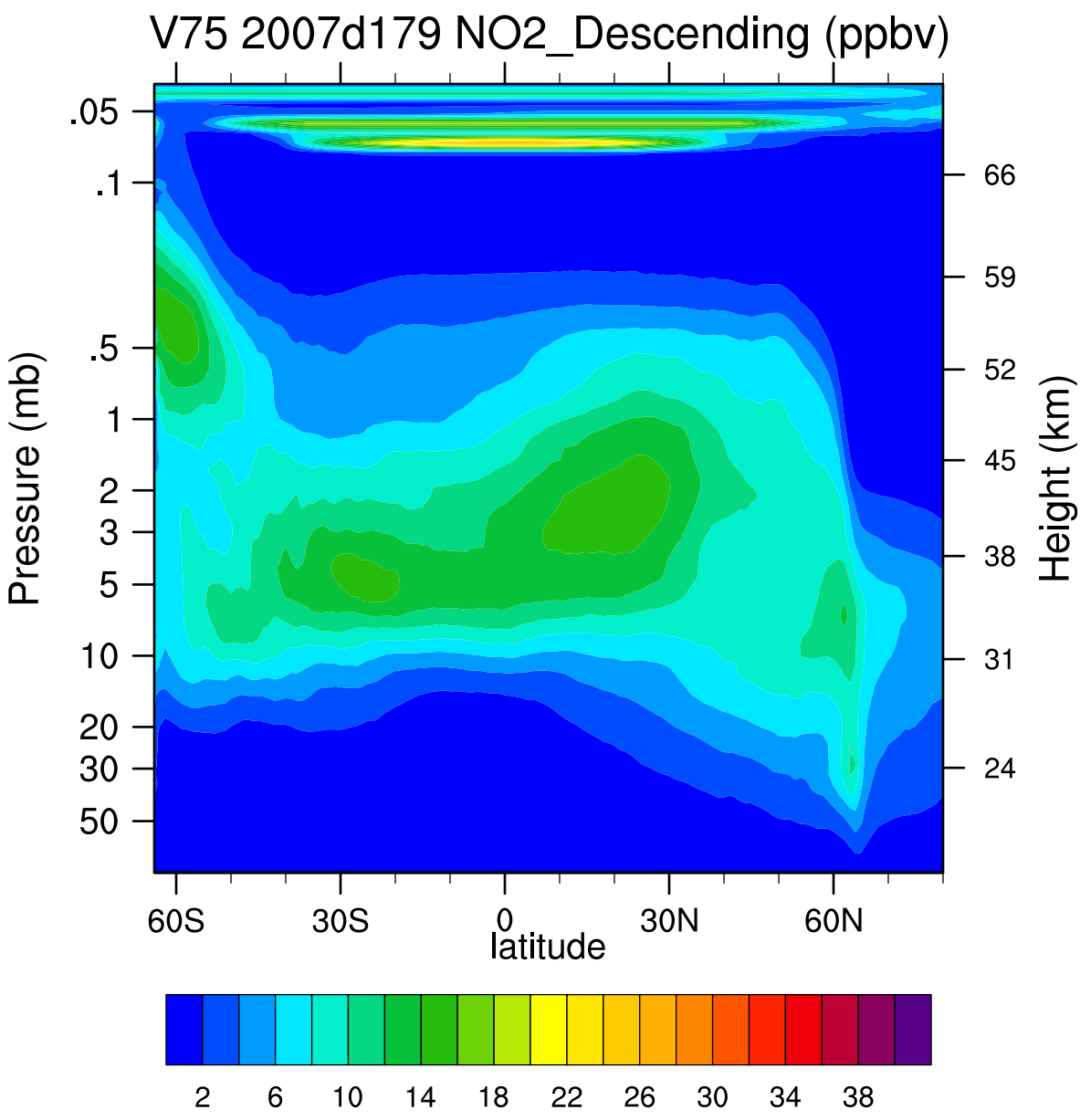
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.5
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2
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5
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Pressure (mb)
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59
52
45
38
31
24
Height (km)
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
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34
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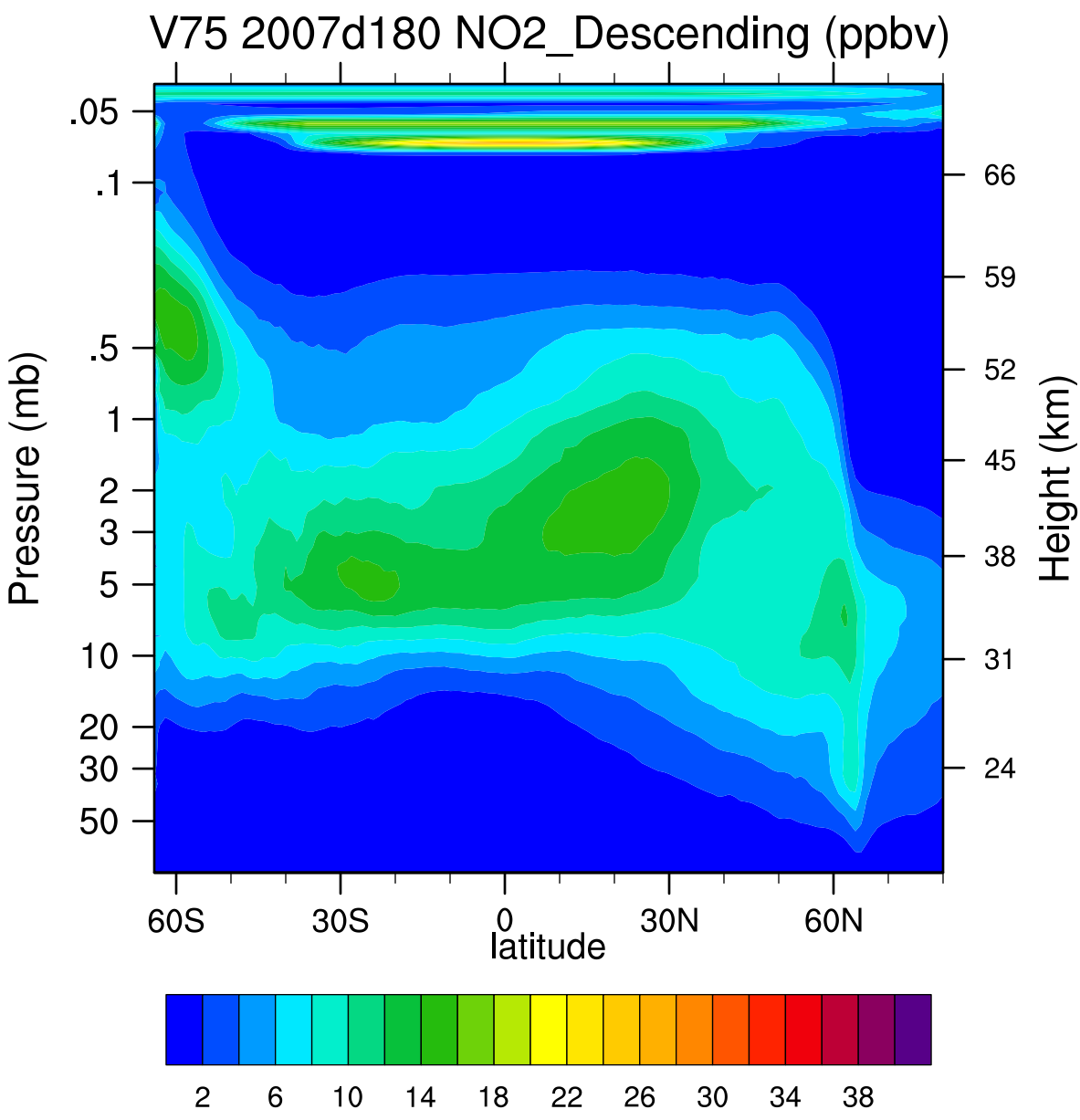
V75 2007d180 NO2_Descending (ppbv)
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.5
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5
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Pressure (mb)
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59
52
45
38
31
24
Height (km)
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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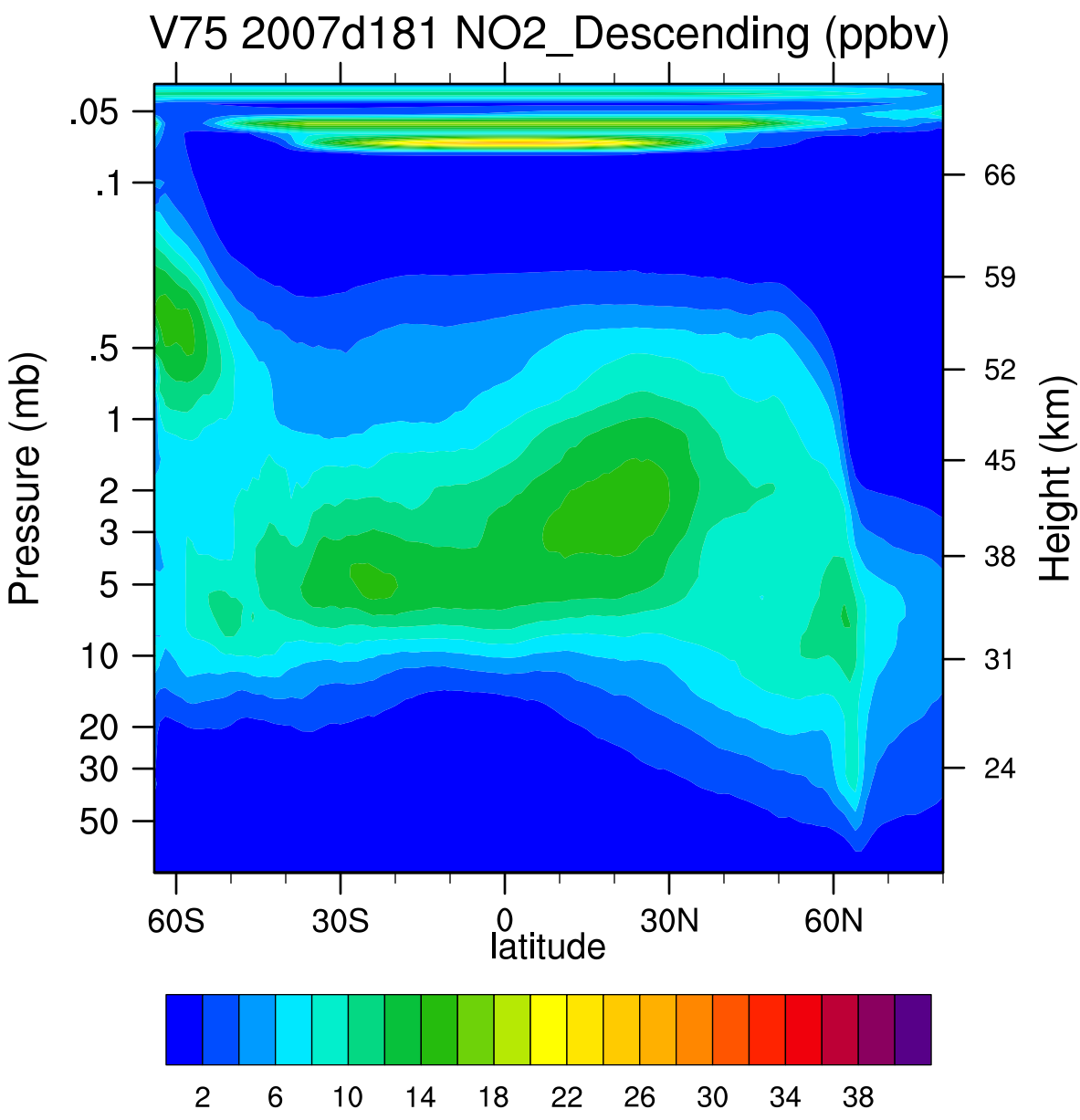
V75 2007d181 NO2_Descending (ppbv)
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.5
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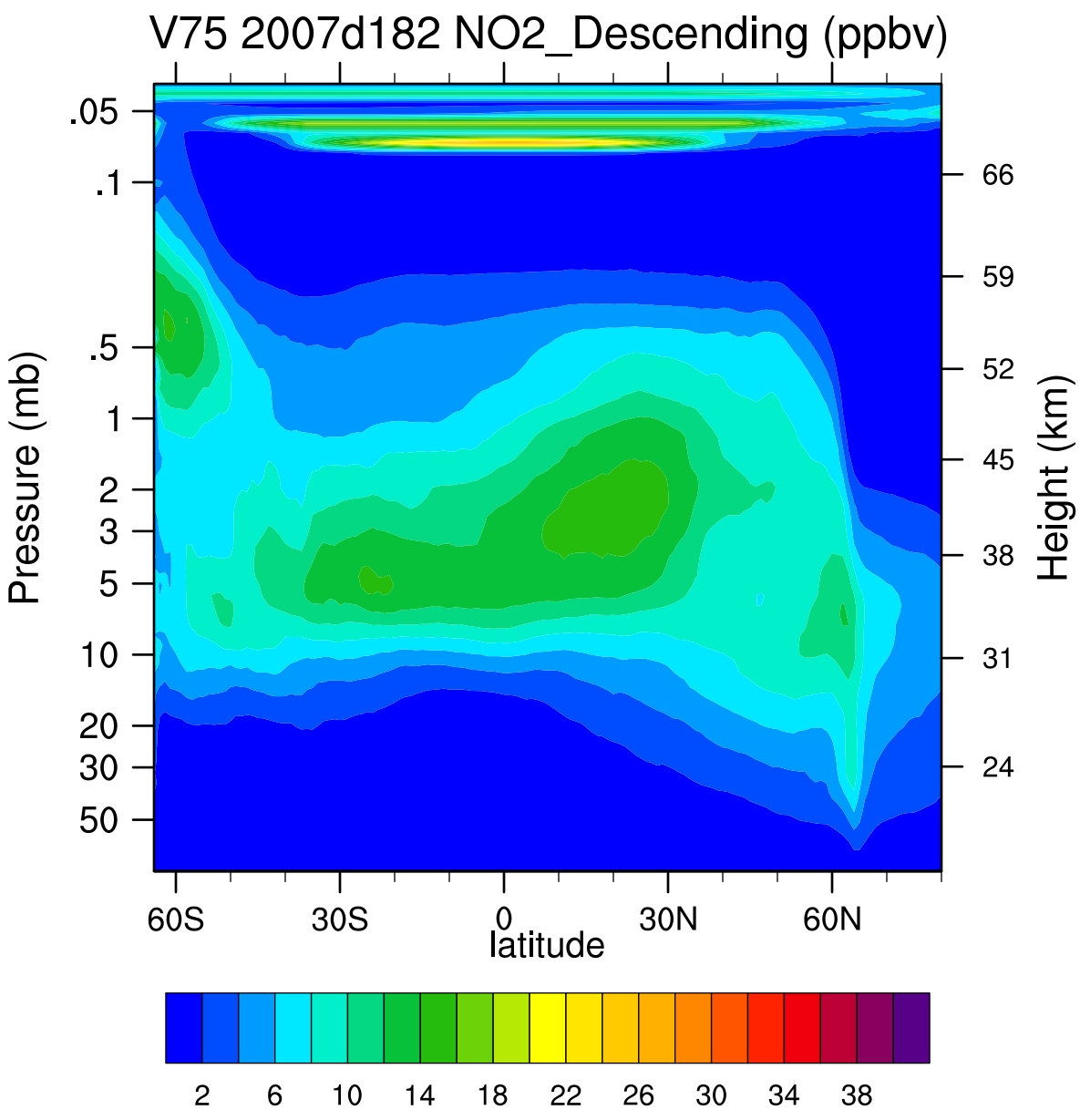
2
3
5
10
20
30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2007d182 NO2_Descending (ppbv)
Pressure (mb)
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.5
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2
3
5
10
20
30
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Height (km)
66
59
52
45
38
31
24
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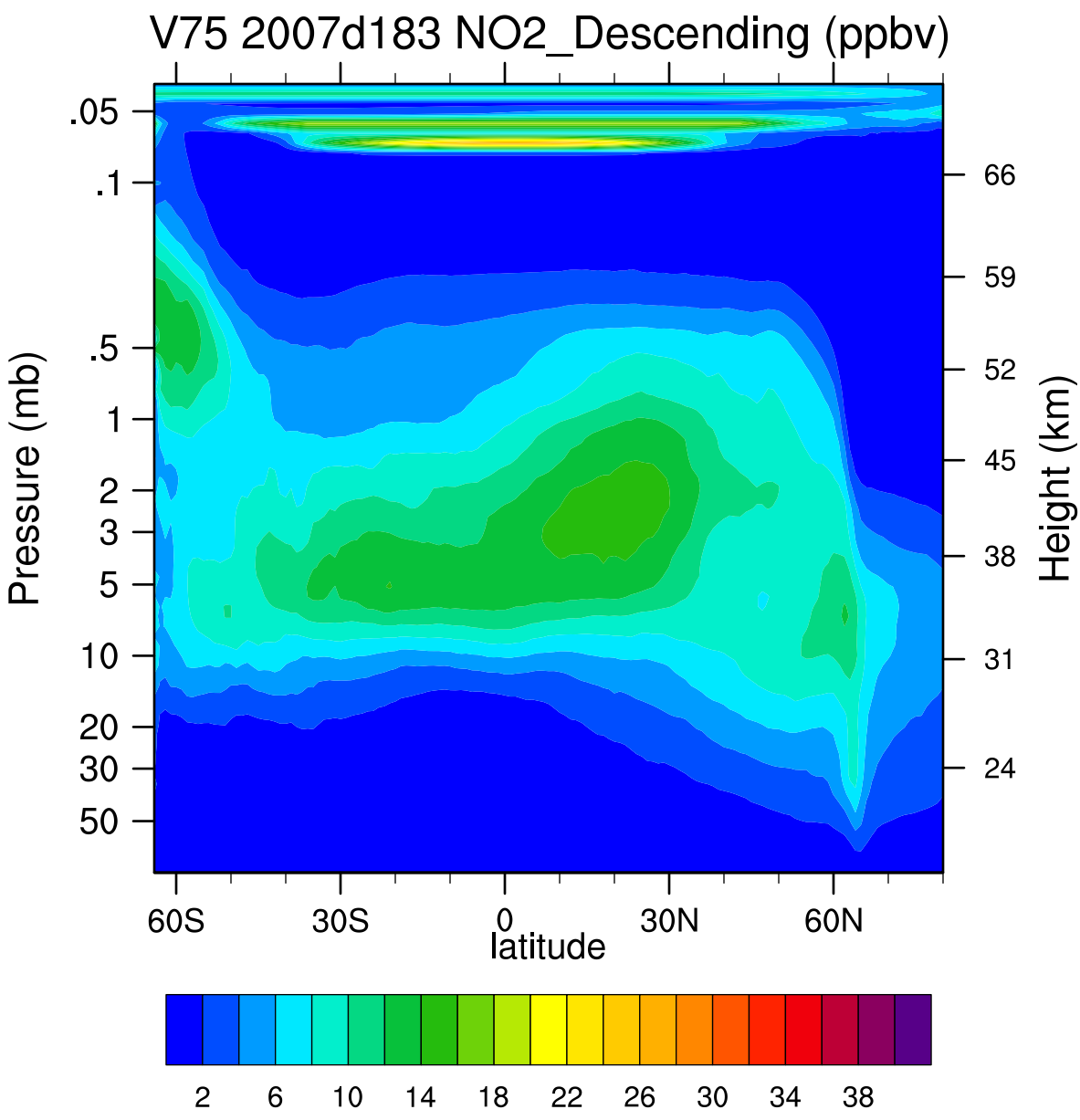
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2007d183 NO2_Descending (ppbv)
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.5
1
2
3
5
10
20
30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
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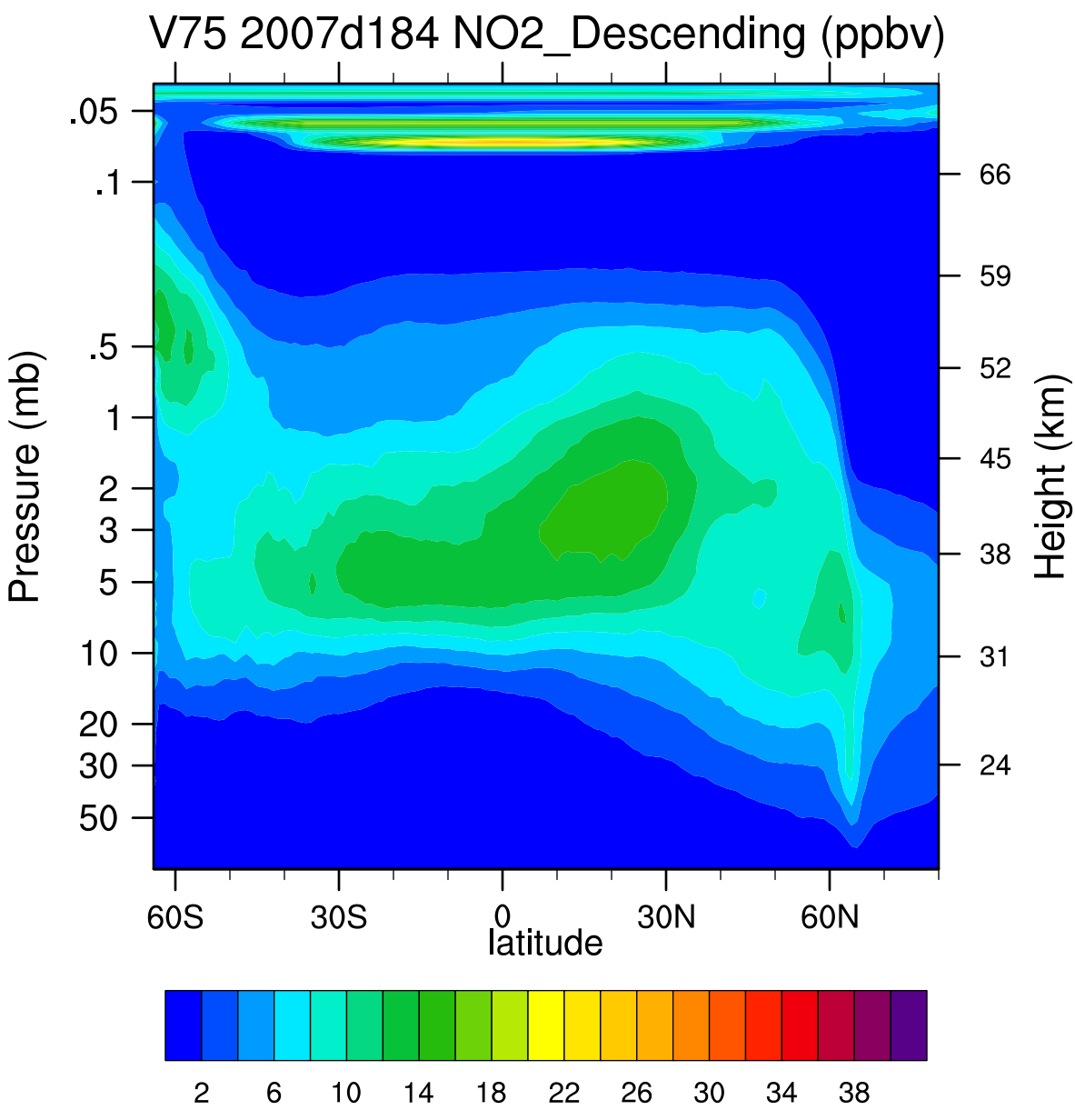
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2007d184 NO2_Descending (ppbv)
Pressure (mb)
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2
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5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
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34
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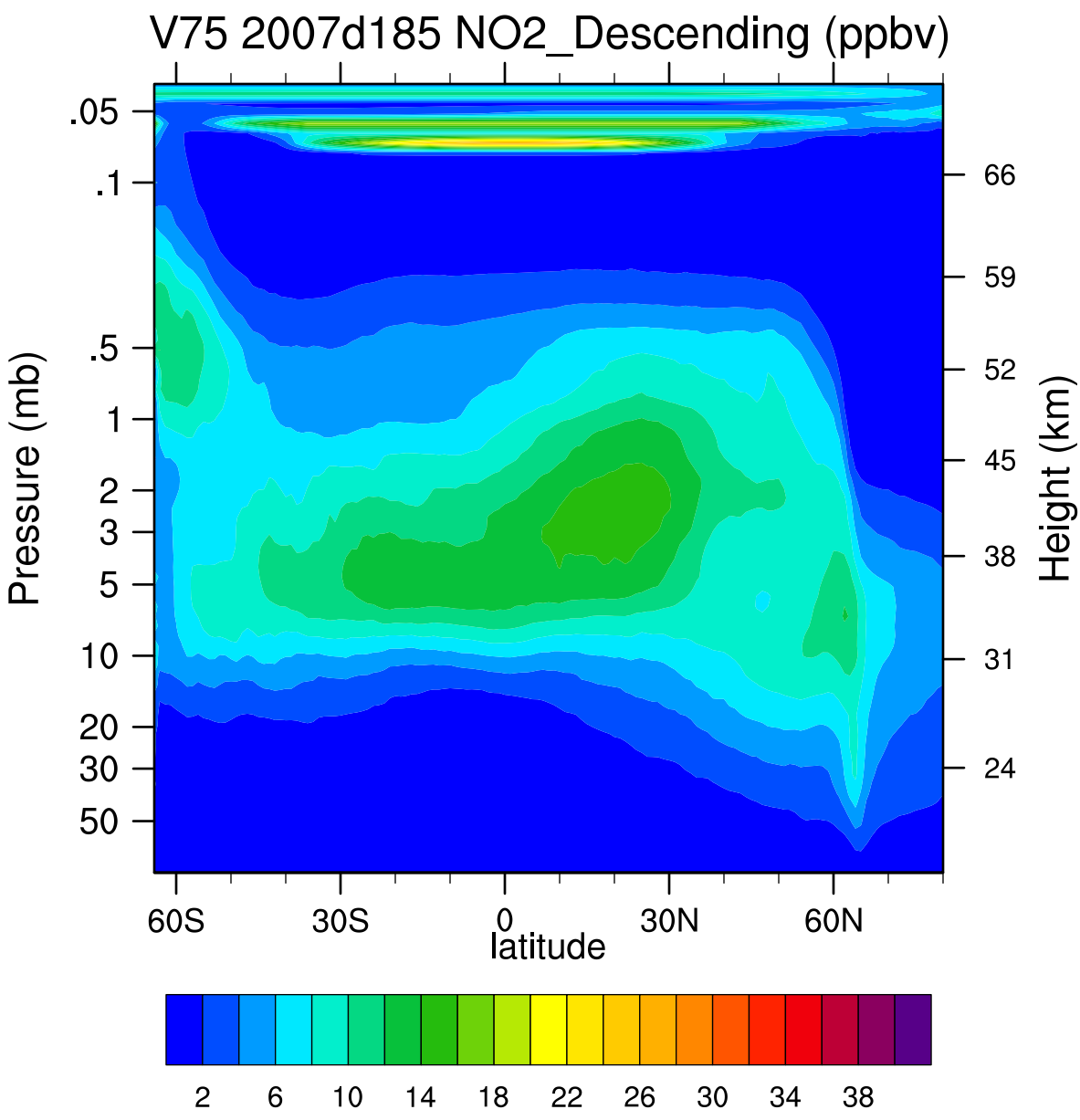
V75 2007d185 NO2_Descending (ppbv)
Pressure (mb)
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.5
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2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
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34
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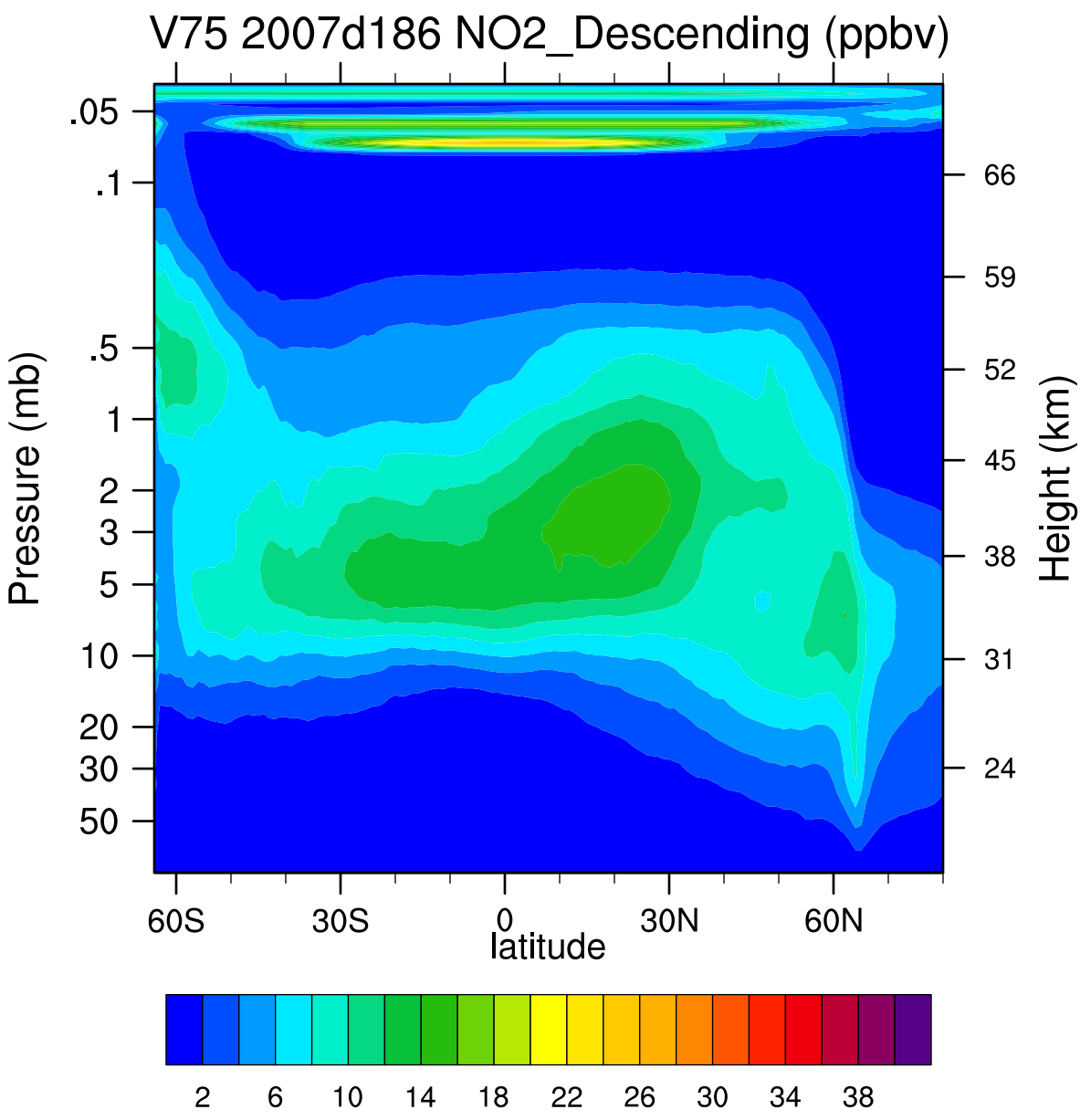
V75 2007d186 NO2_Descending (ppbv)
Pressure (mb)
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.5
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2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
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34
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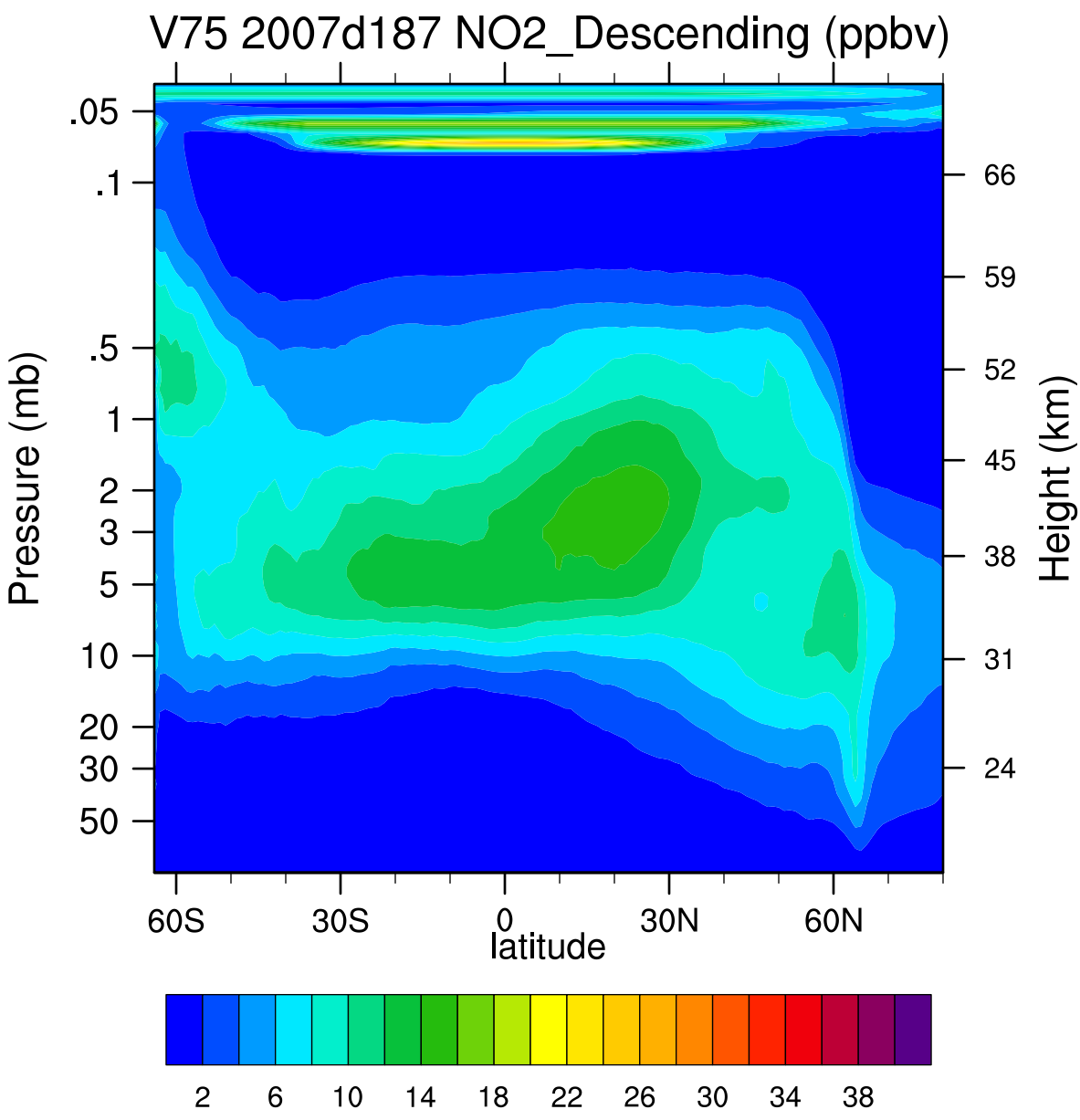
V75 2007d187 NO2_Descending (ppbv)
Pressure (mb)
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.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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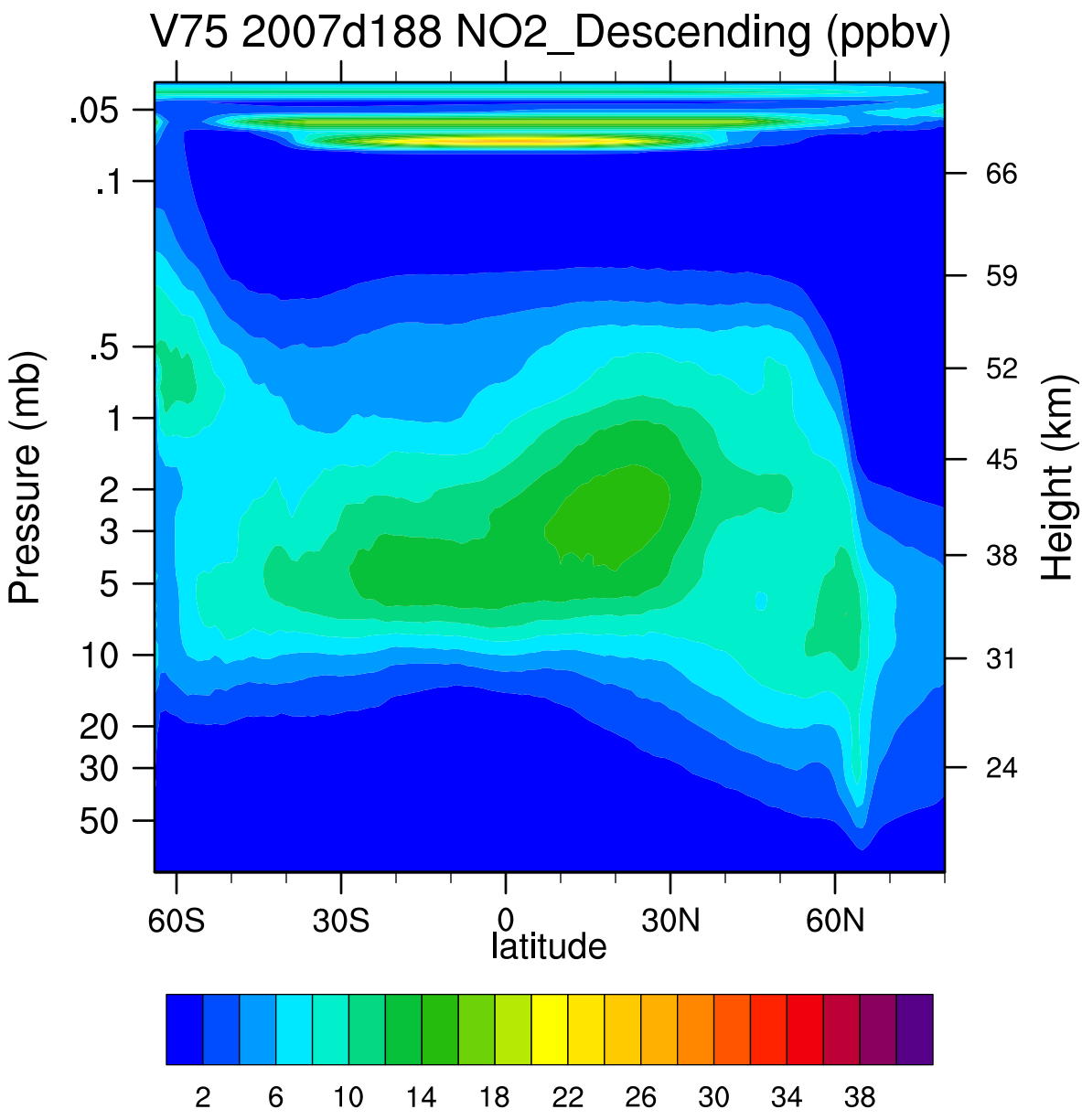
V75 2007d188 NO2_Descending (ppbv)
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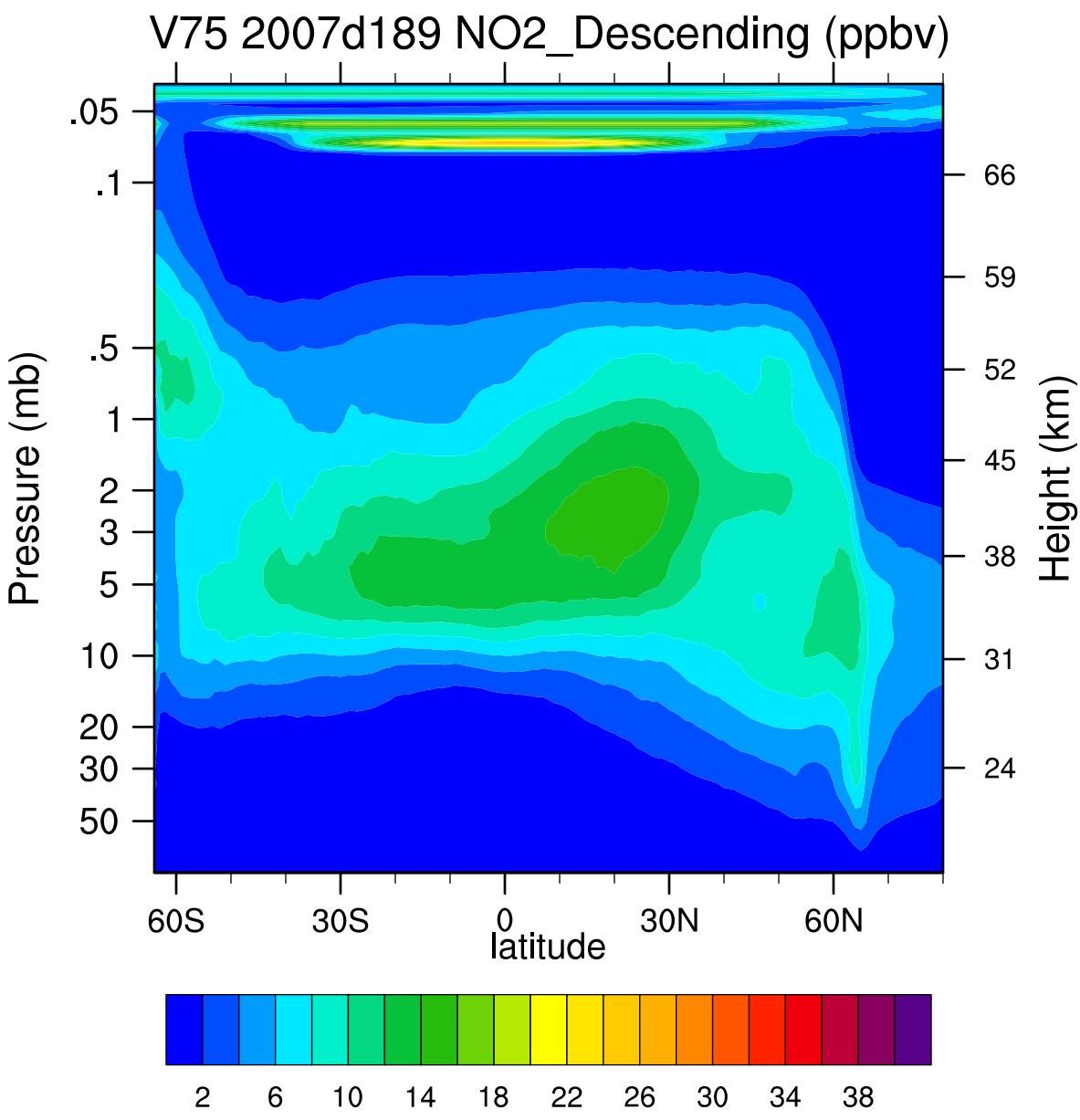
2
3
5
10
20
30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2007d189 NO2_Descending (ppbv)
.05
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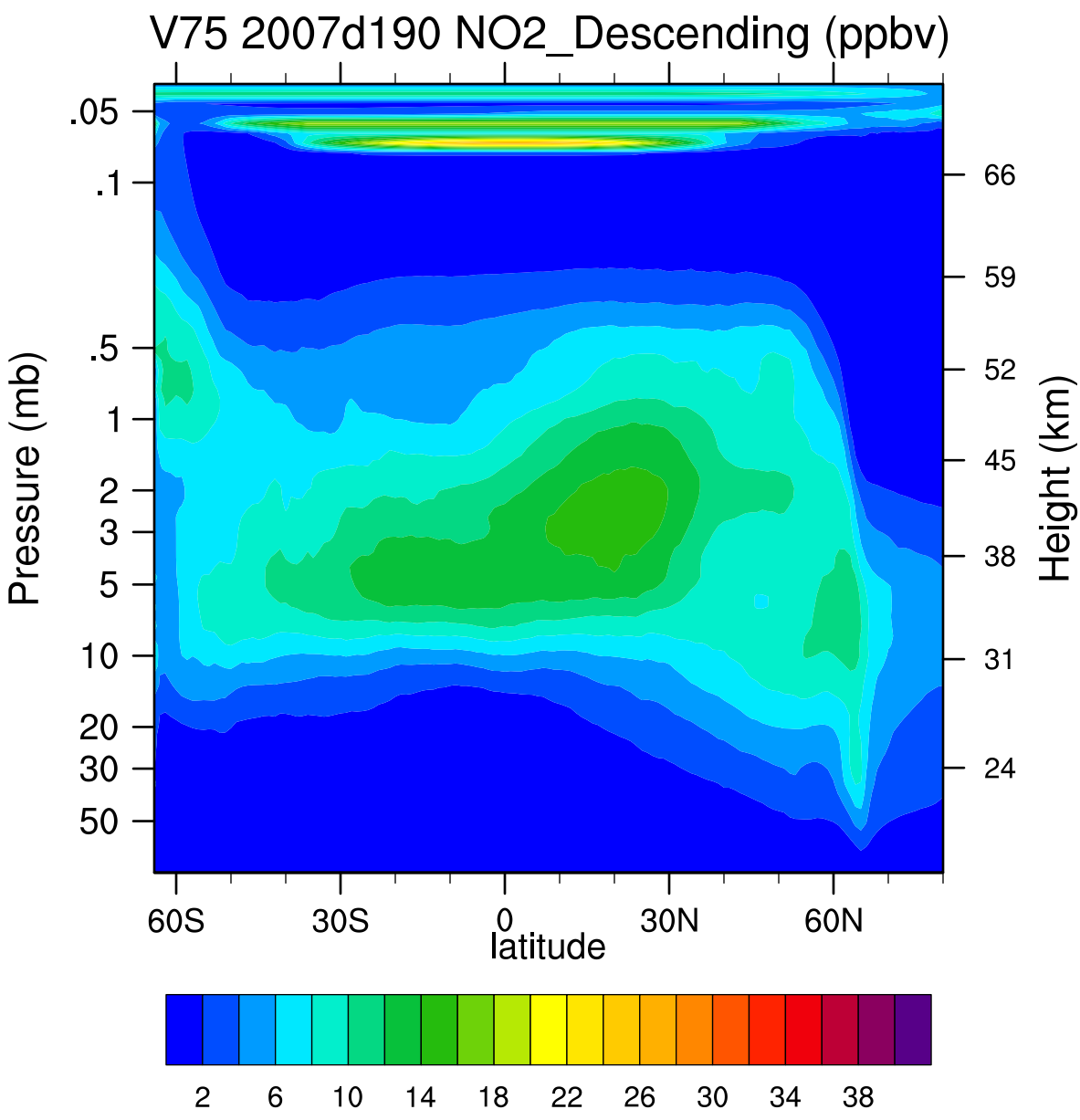
.5
1
2
3
5
10
20
30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2007d190 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
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22
26
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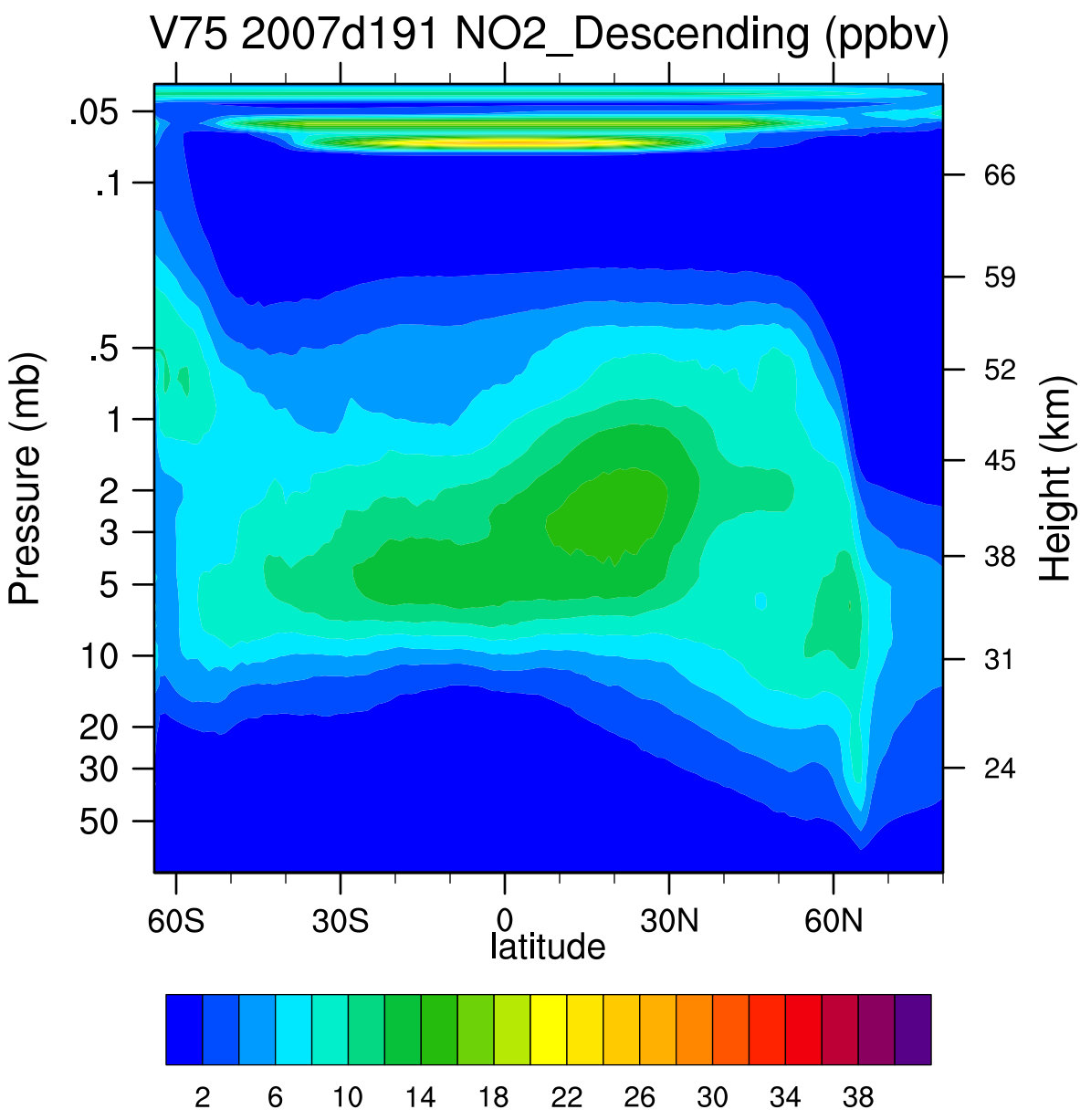
34
38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.1
.5
1
2
3
5
10
20
30
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Pressure (mb)
66
59
52
45
38
31
24
Height (km)
60S
30S
0
30N
60N
latitude
2
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10
14
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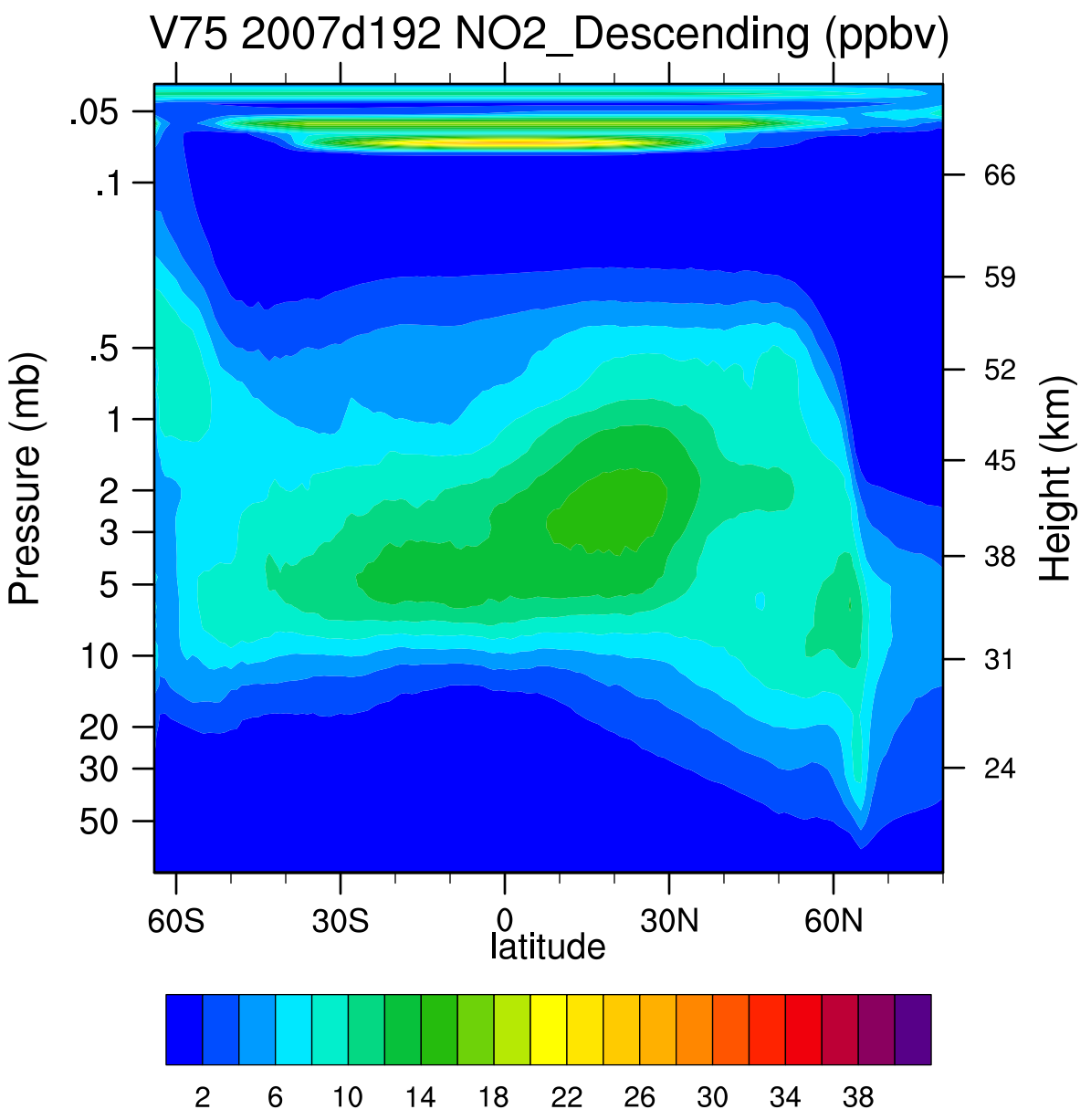
V75 2007d192 NO2_Descending (ppbv)
Pressure (mb)
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2
3
5
10
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30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
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10
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18
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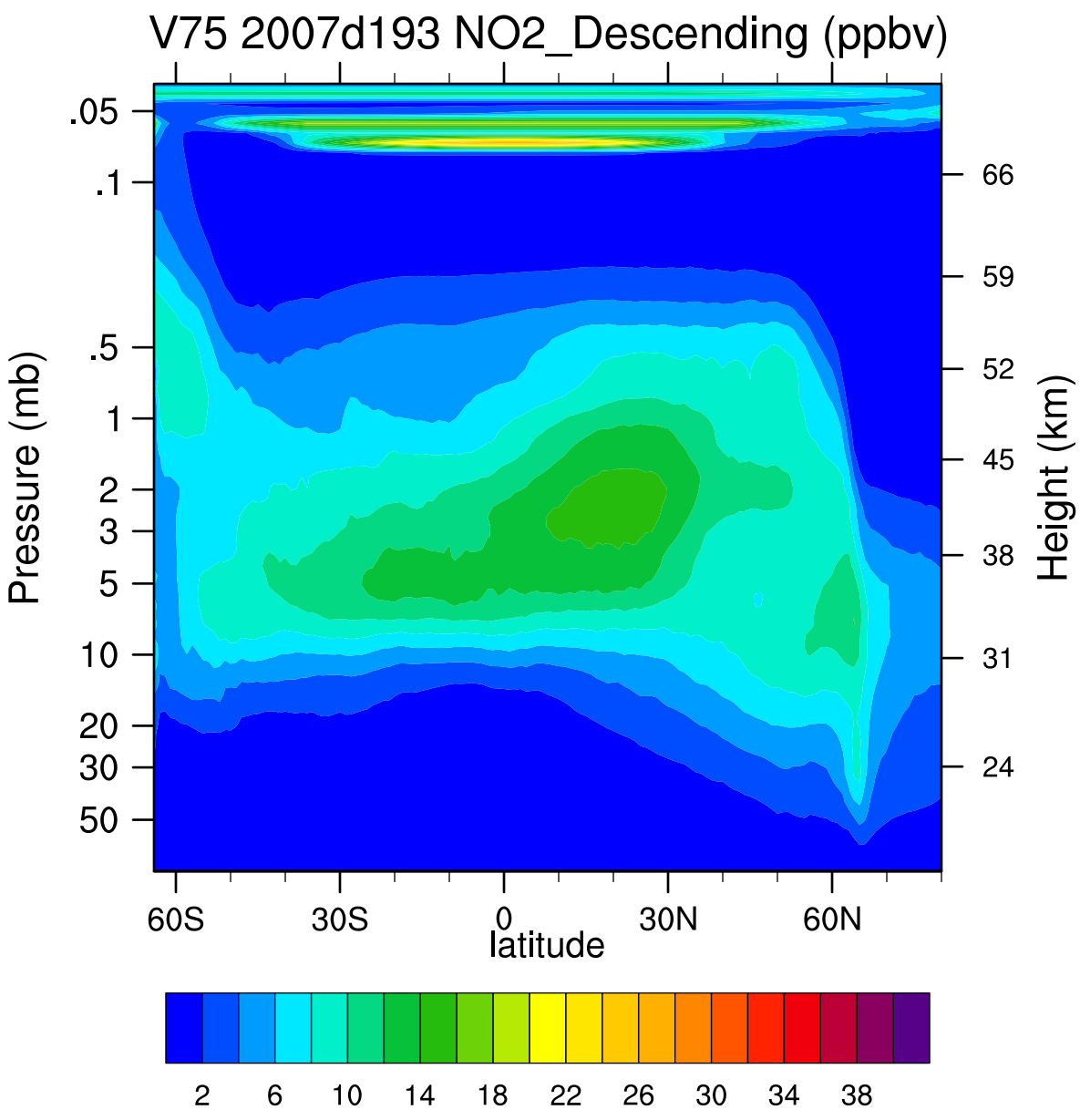
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Pressure (mb)
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5
10
20
30
50
Height (km)
66
59
52
45
38
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30S
0
30N
60N
latitude
2
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10
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26
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34
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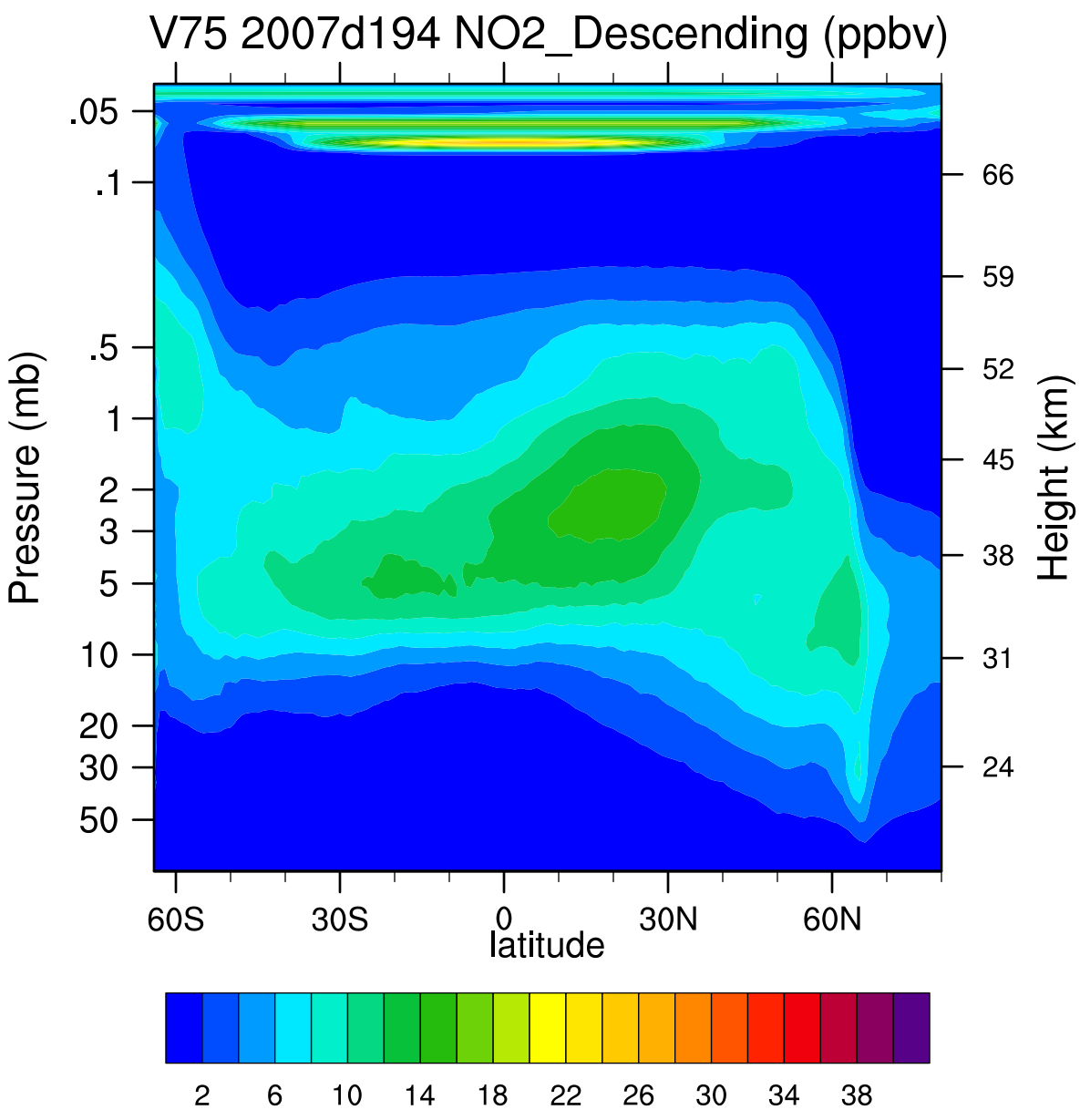
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Pressure (mb)
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5
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Height (km)
66
59
52
45
38
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24
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30S
0
30N
60N
latitude
2
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10
14
18
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26
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34
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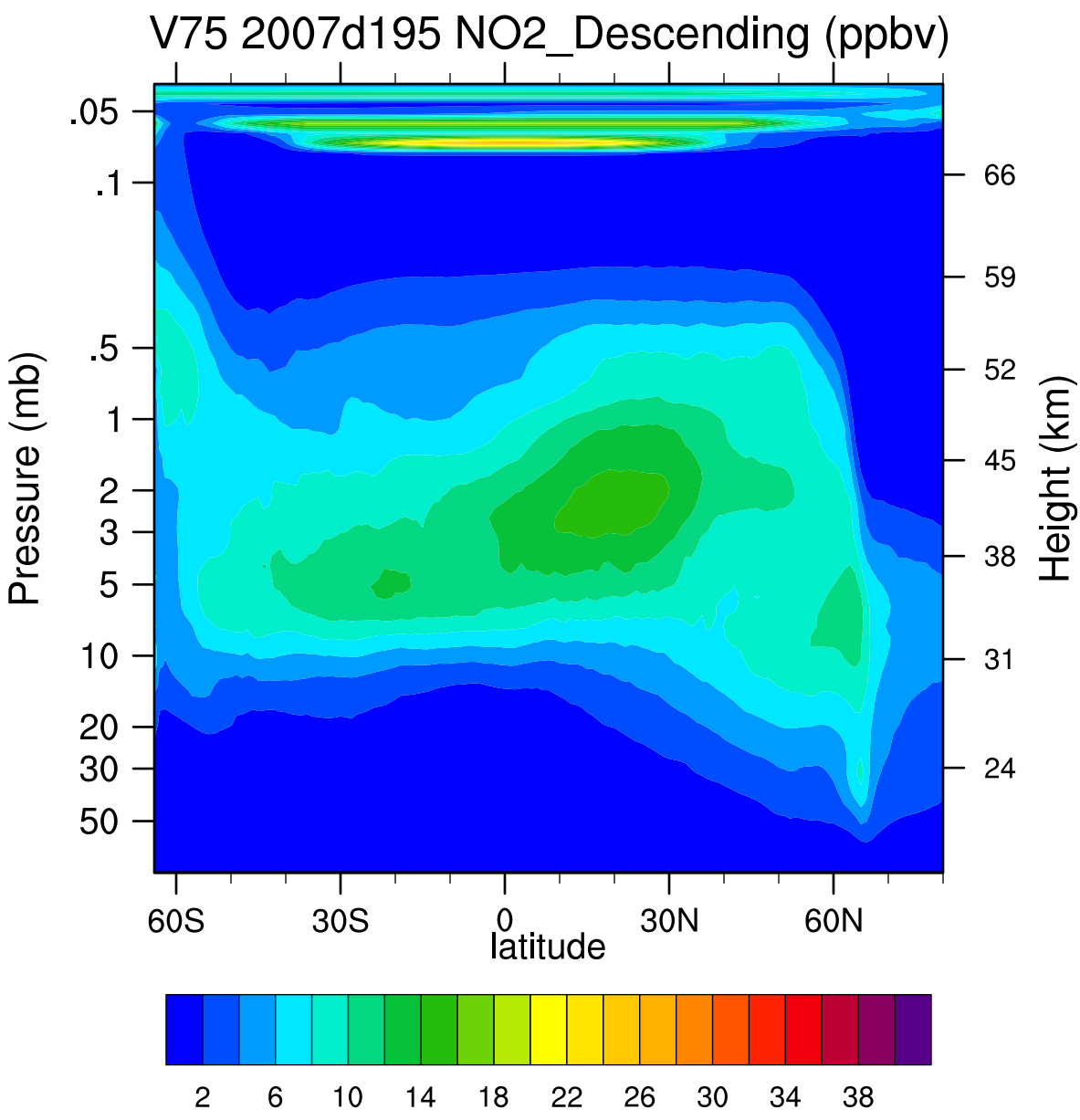
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Pressure (mb)
66
59
52
45
38
31
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Height (km)
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30S
0
30N
60N
latitude
2
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10
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26
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34
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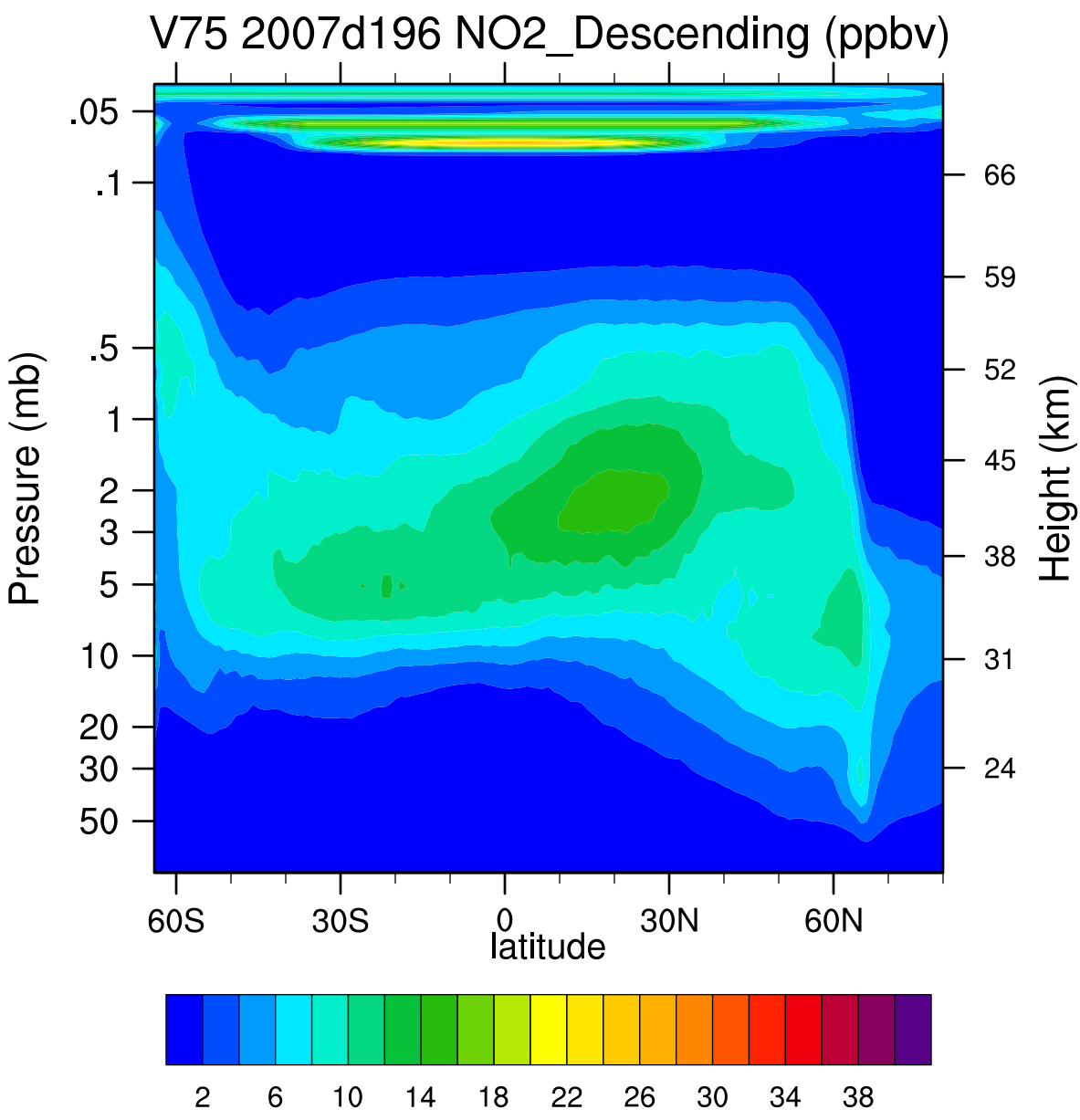
V75 2007d196 NO2_Descending (ppbv)
Pressure (mb)
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1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
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10
14
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26
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34
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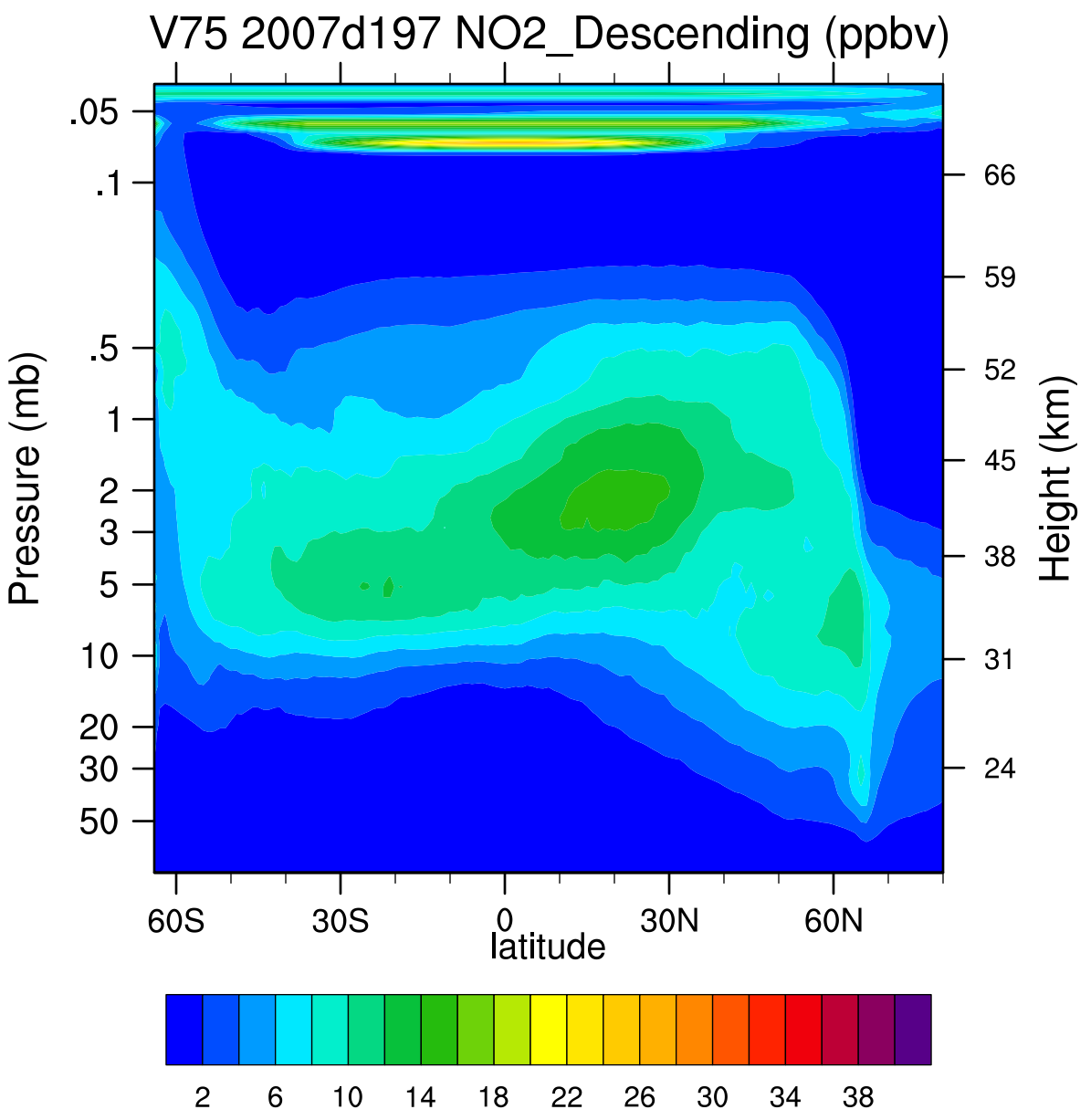
V75 2007d197 NO2_Descending (ppbv)
Pressure (mb)
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2
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5
10
20
30
50
Height (km)
66
59
52
45
38
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24
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30S
0
30N
60N
latitude
2
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10
14
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26
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34
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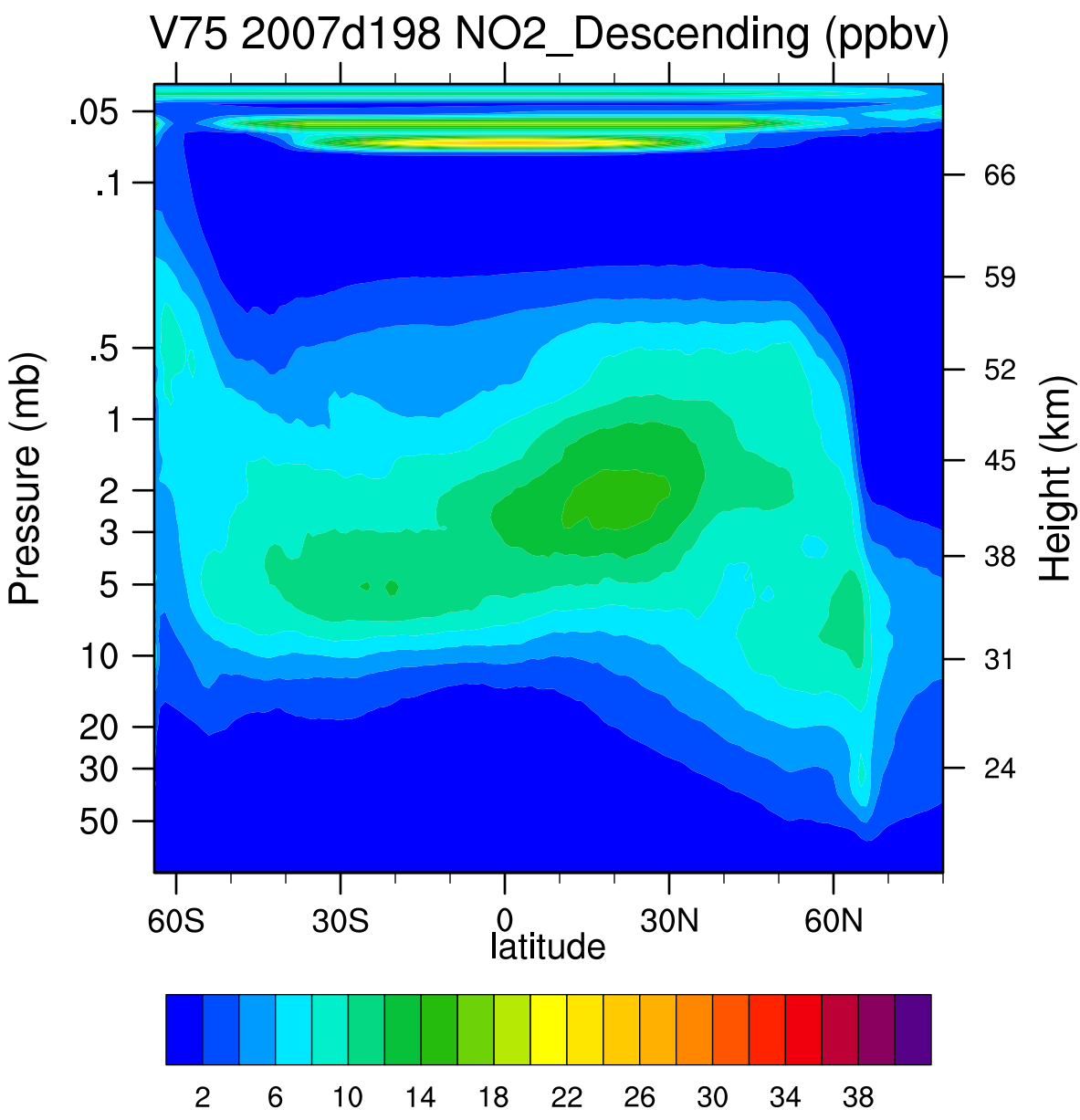
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Pressure (mb)
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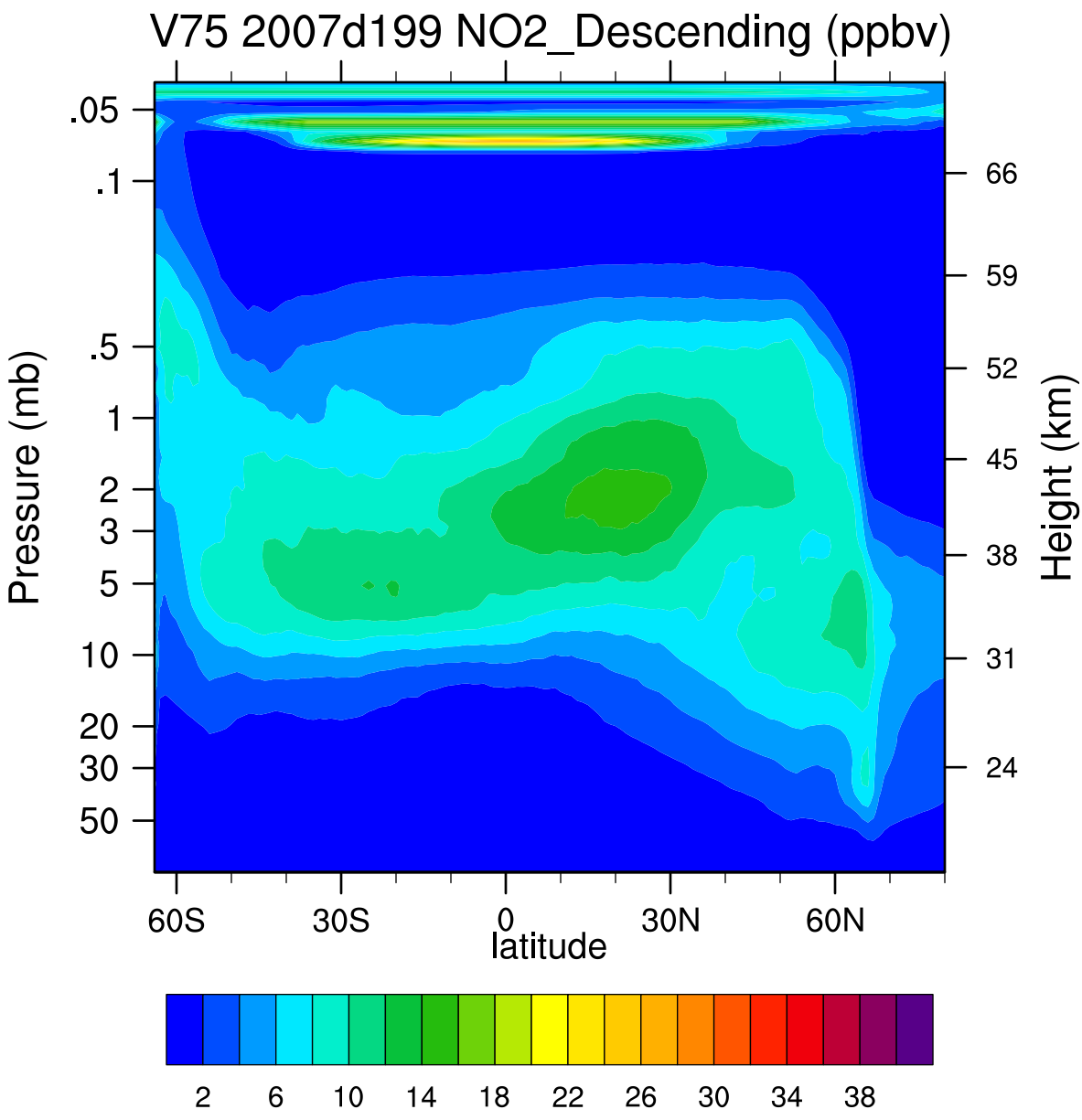
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2007d199 NO2_Descending (ppbv)
Pressure (mb)
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.5
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2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
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34
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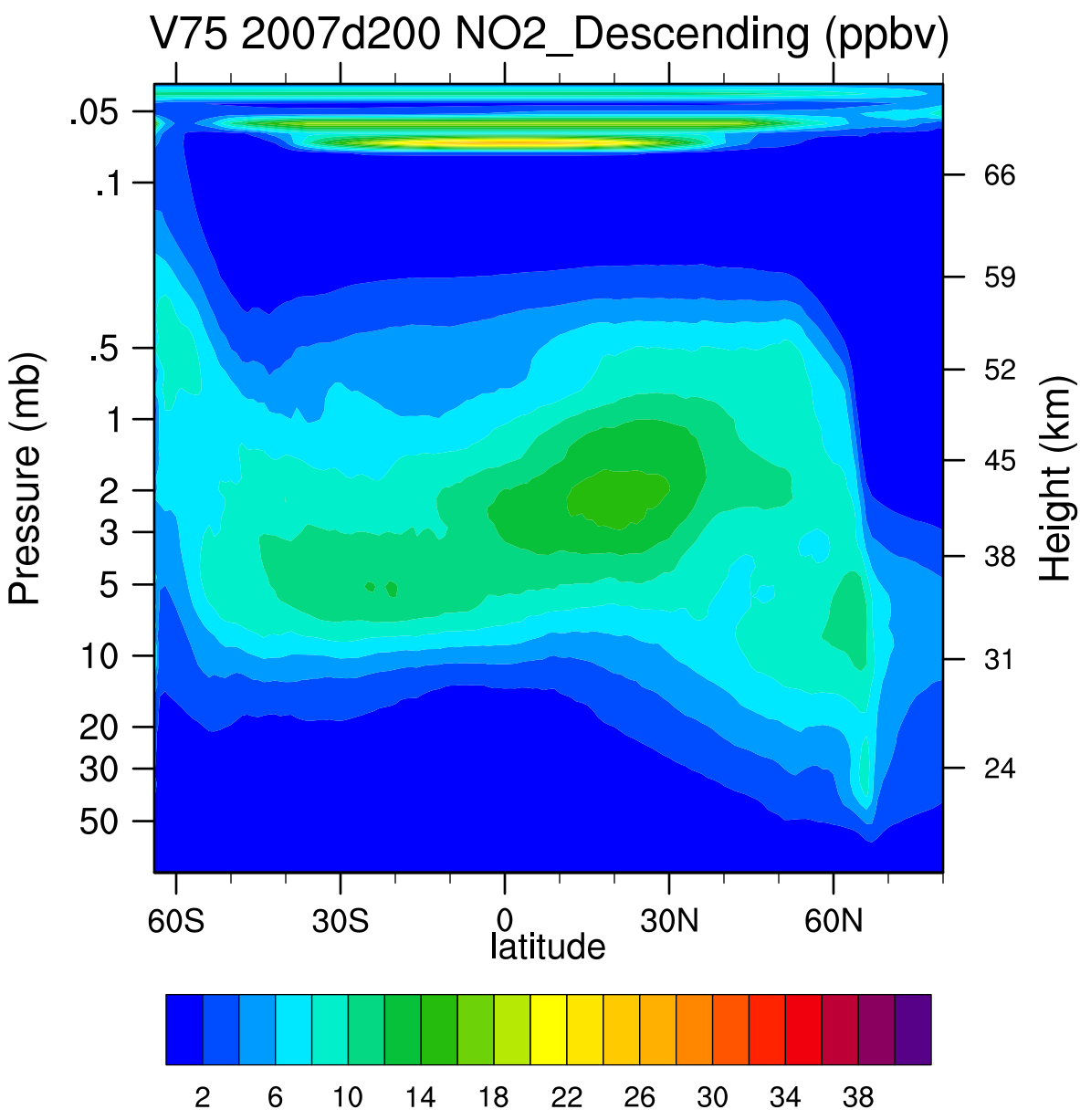
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.1
.5
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2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
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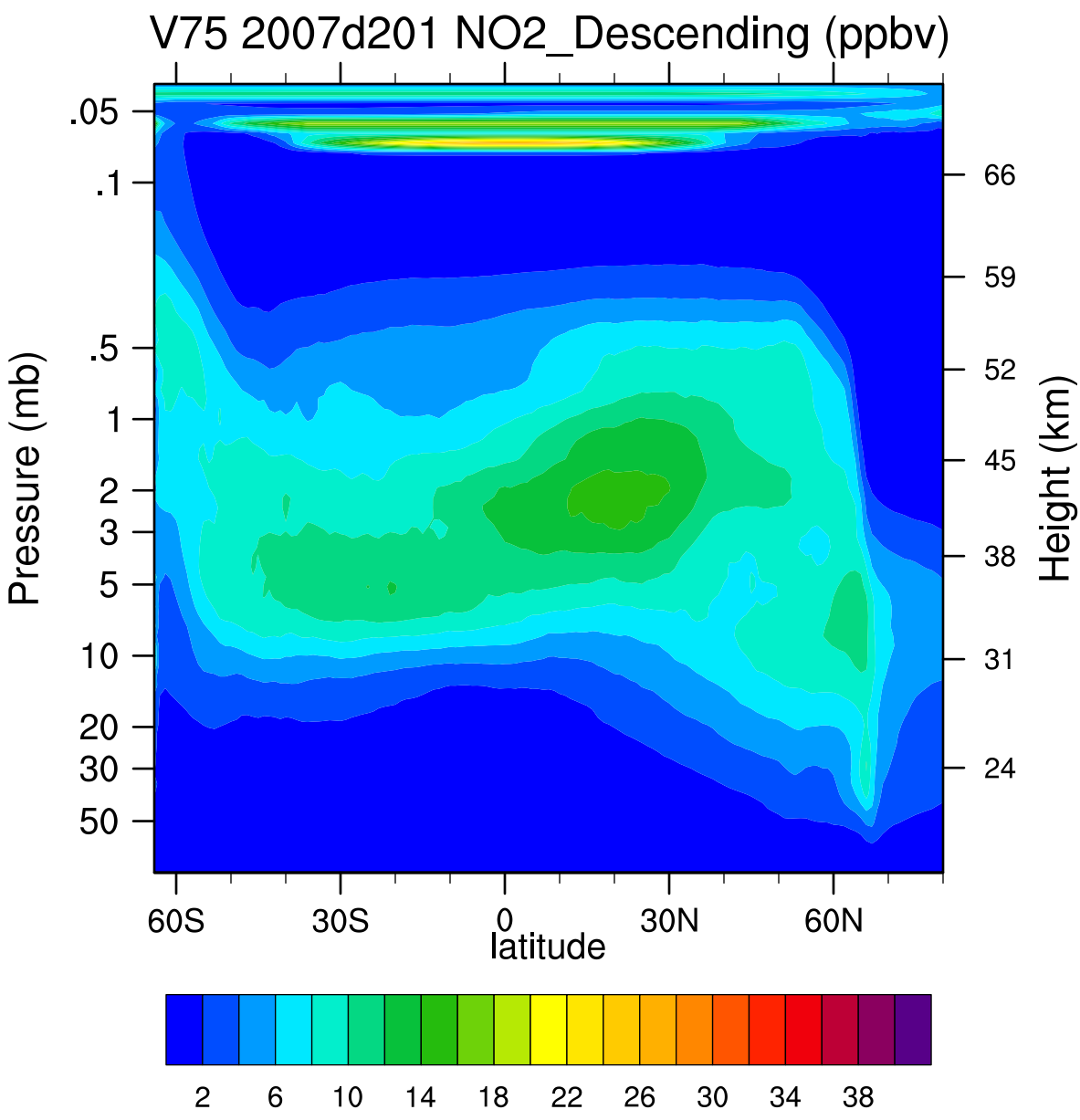
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2007d201 NO2_Descending (ppbv)
Pressure (mb)
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.5
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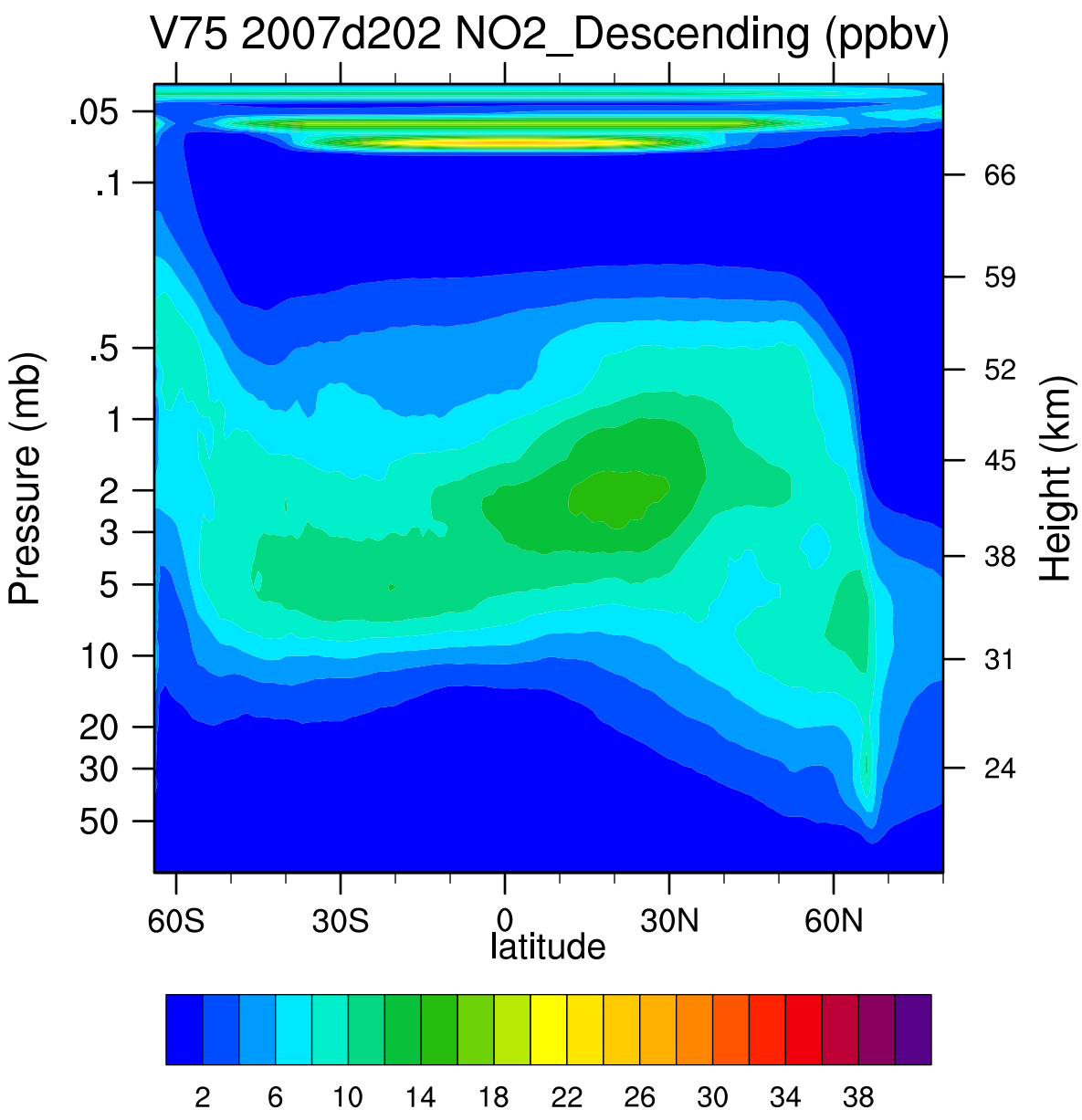
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2007d202 NO2_Descending (ppbv)
Pressure (mb)
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2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
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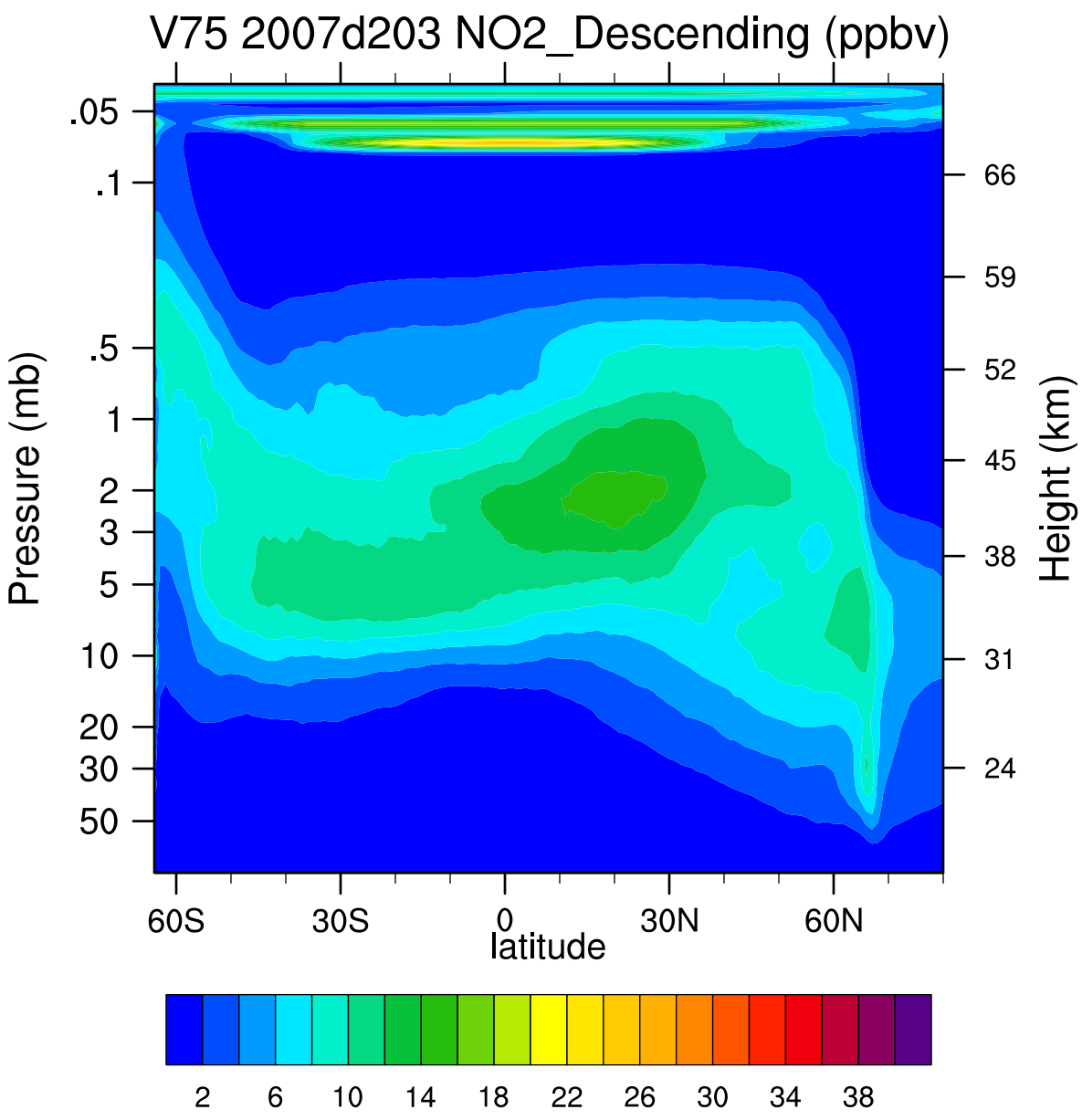
38


V75 2007d203 NO2_Descending (ppbv)
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.5
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2
3
5
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20
30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
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30S
0
30N
60N
latitude
2
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10
14
18
22
26
30
34
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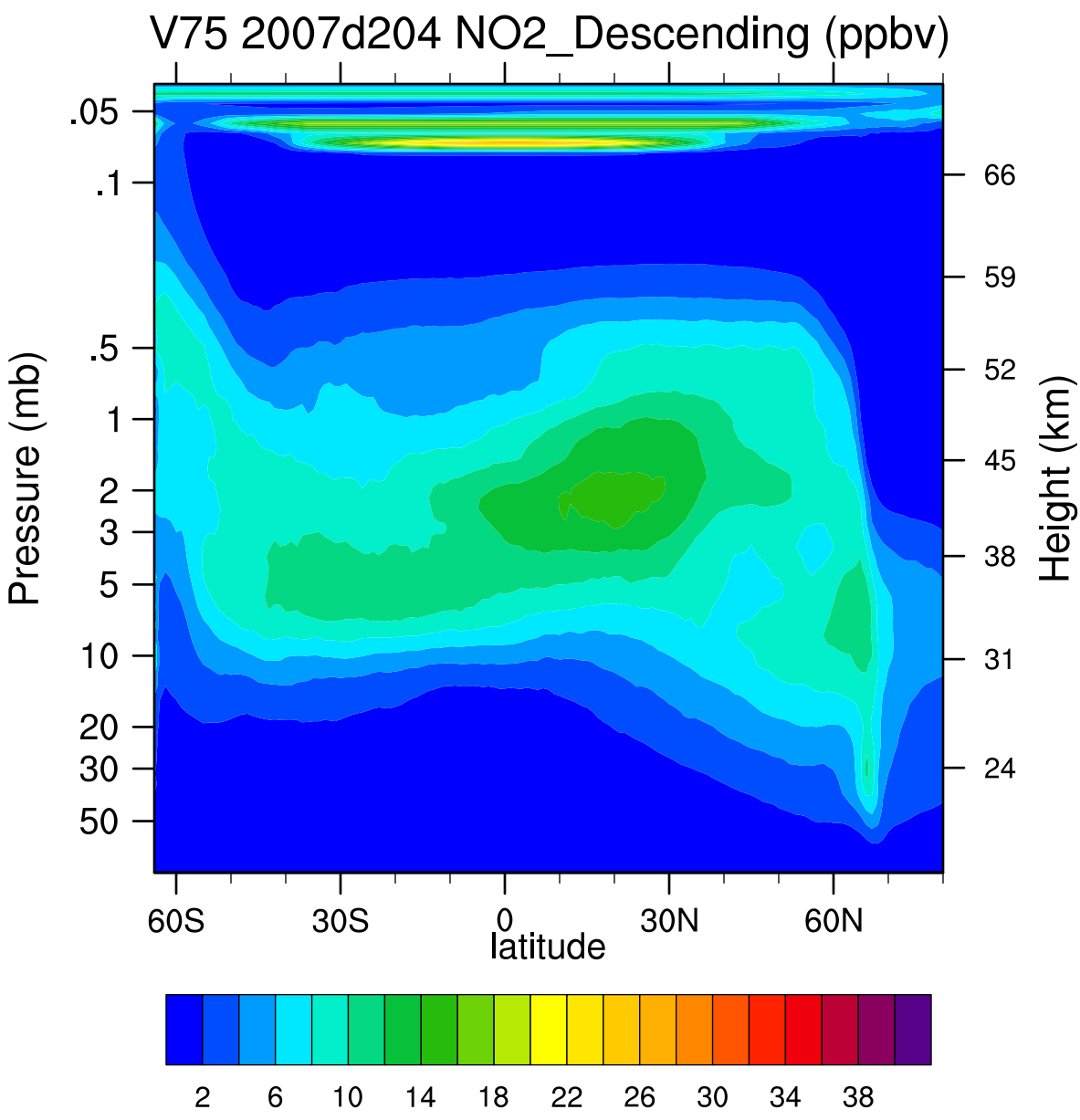
V75 2007d204 NO2_Descending (ppbv)
Pressure (mb)
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.5
1
2
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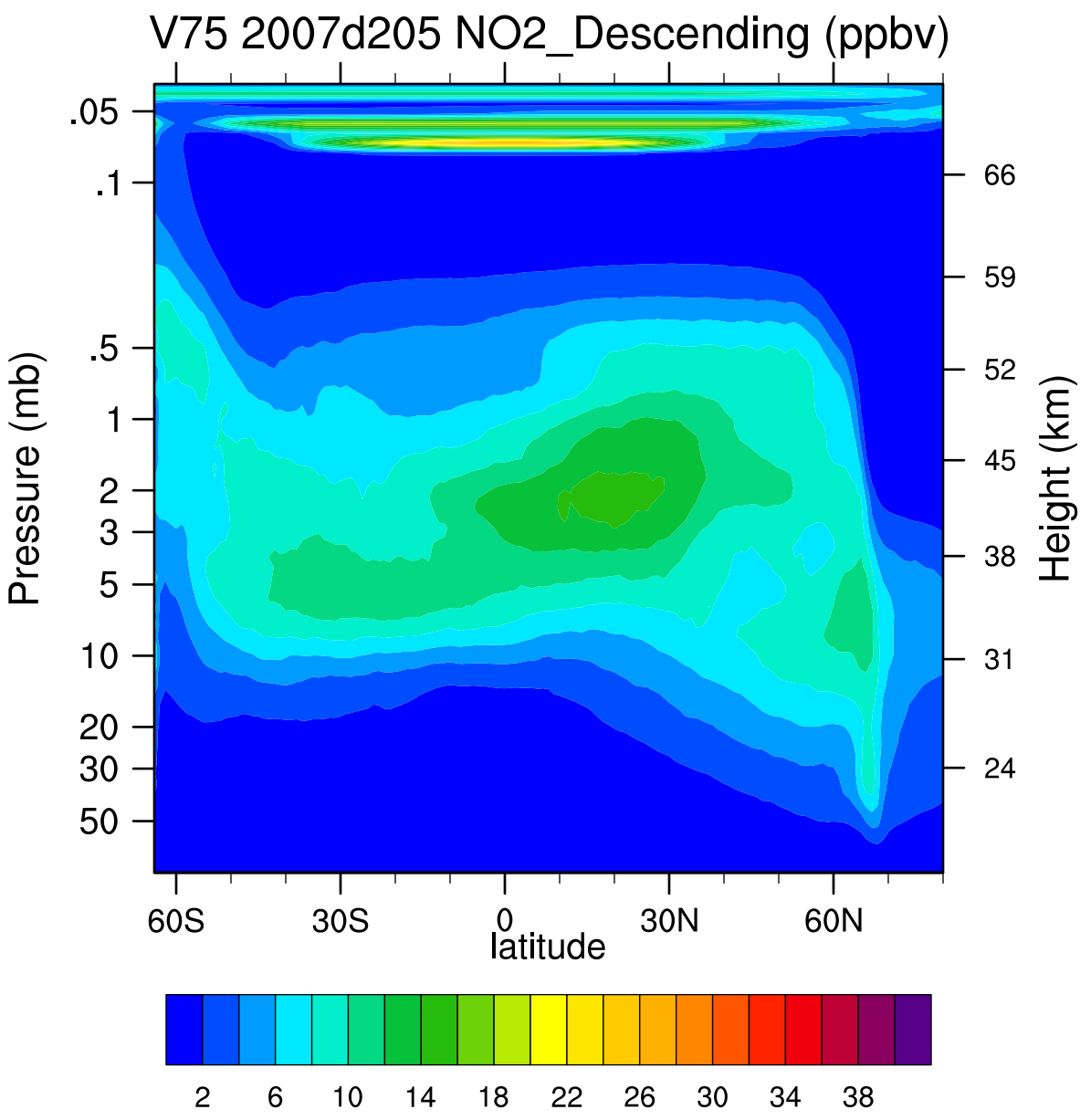
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2007d205 NO2_Descending (ppbv)
Pressure (mb)
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2
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Height (km)
66
59
52
45
38
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24
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
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34
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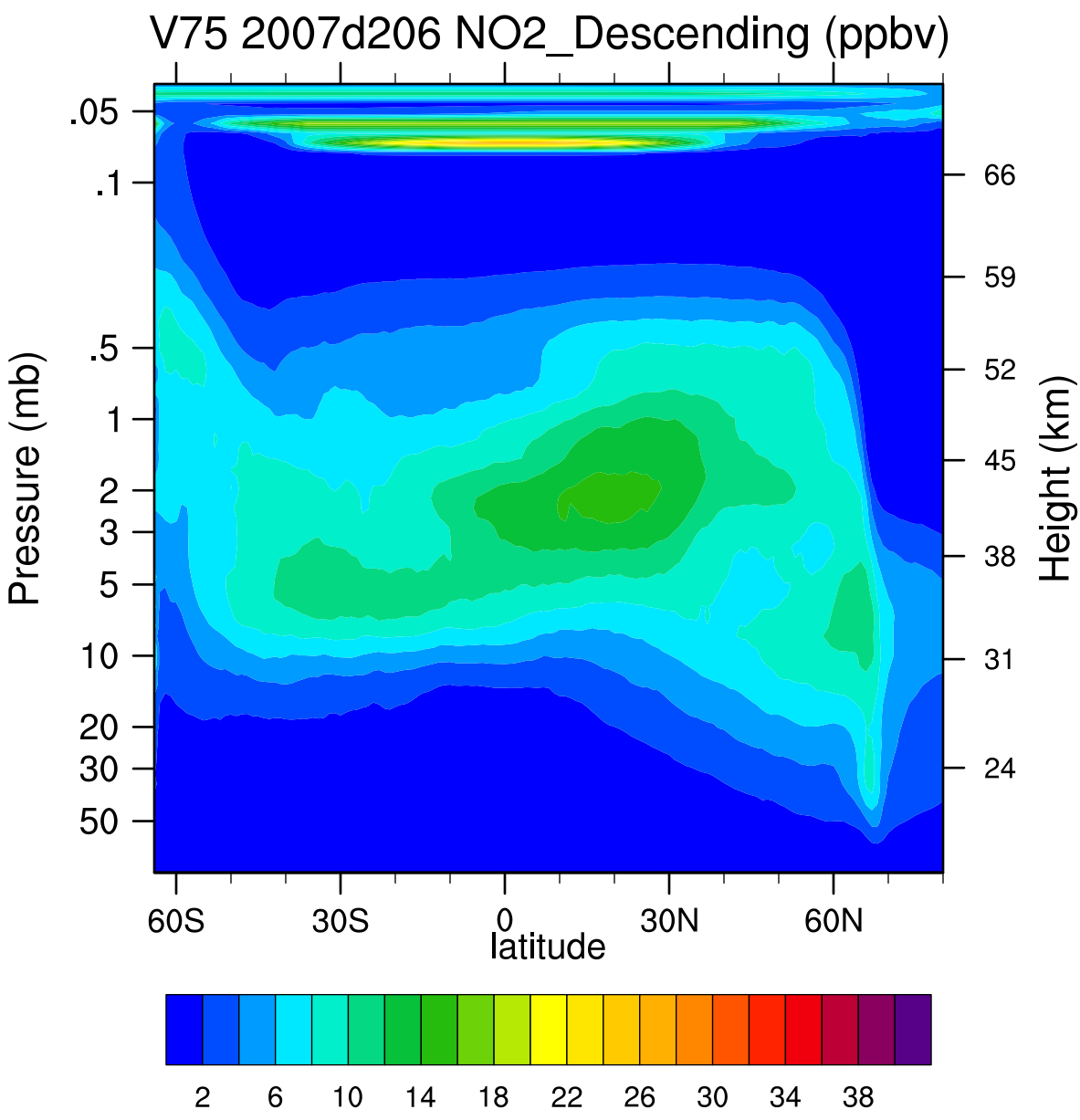
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Pressure (mb)
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Height (km)
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59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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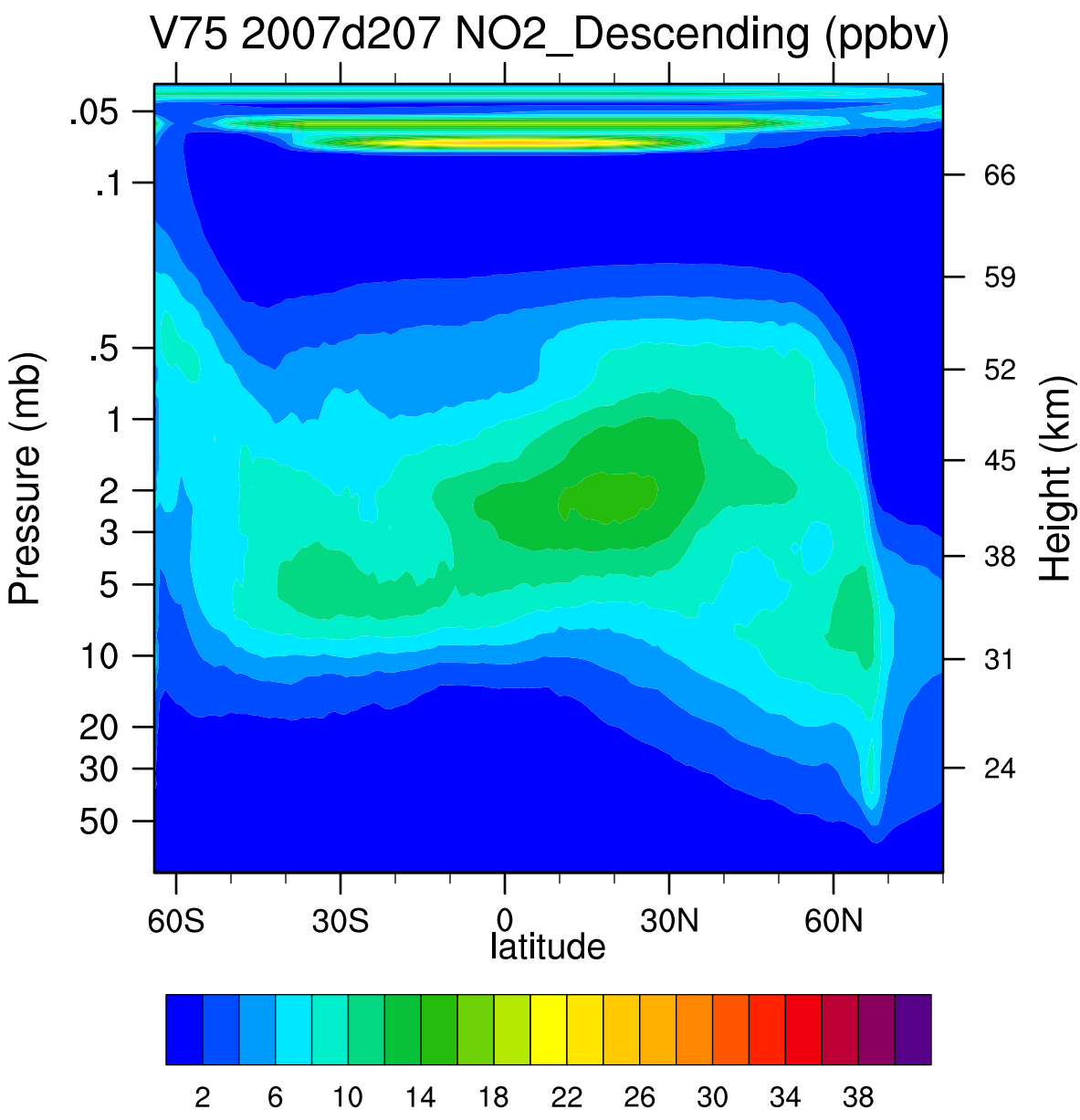
V75 2007d207 NO2_Descending (ppbv)
Pressure (mb)
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.5
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2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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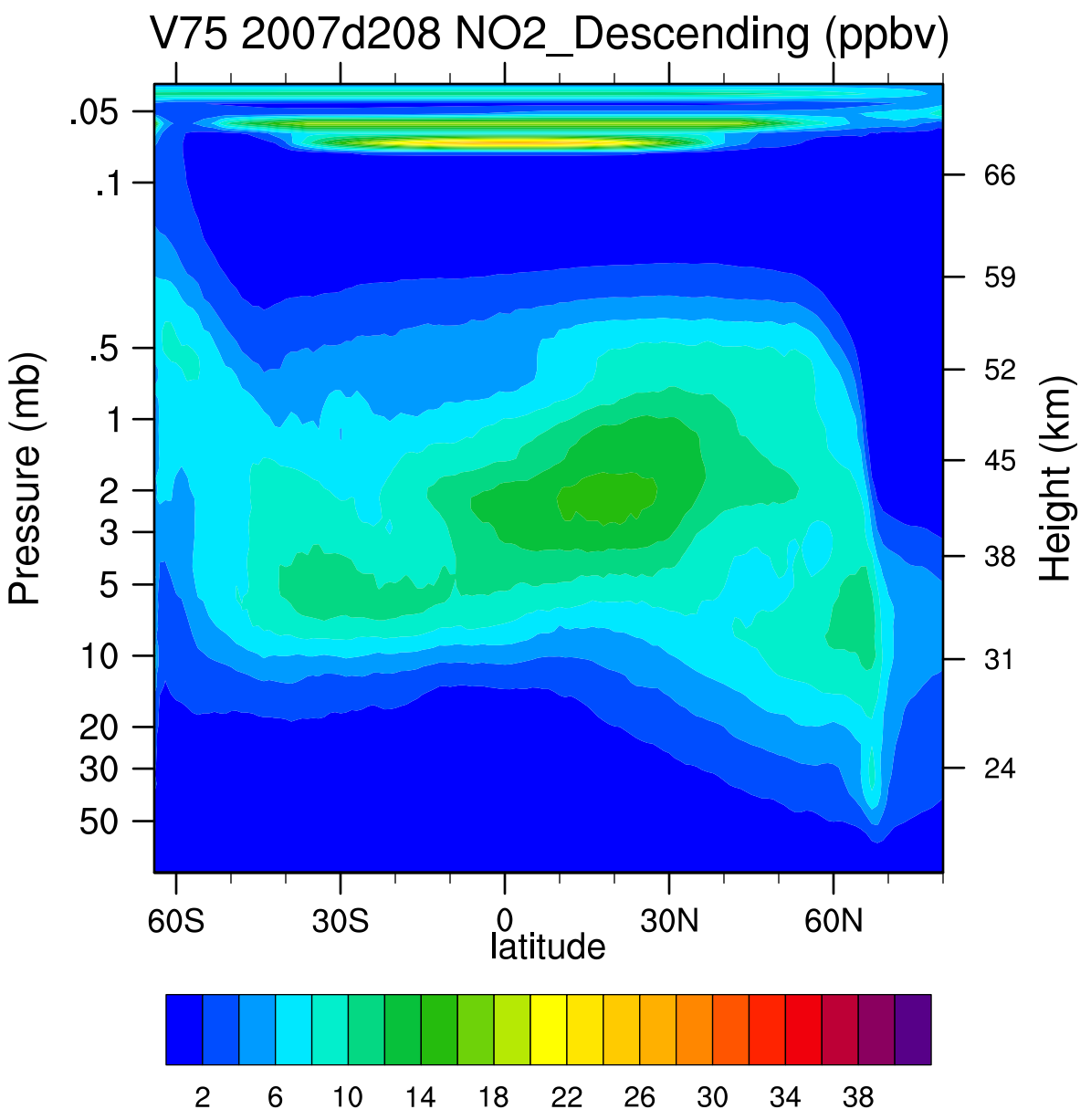
V75 2007d208 NO2_Descending (ppbv)
Pressure (mb)
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2
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Height (km)
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59
52
45
38
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24
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
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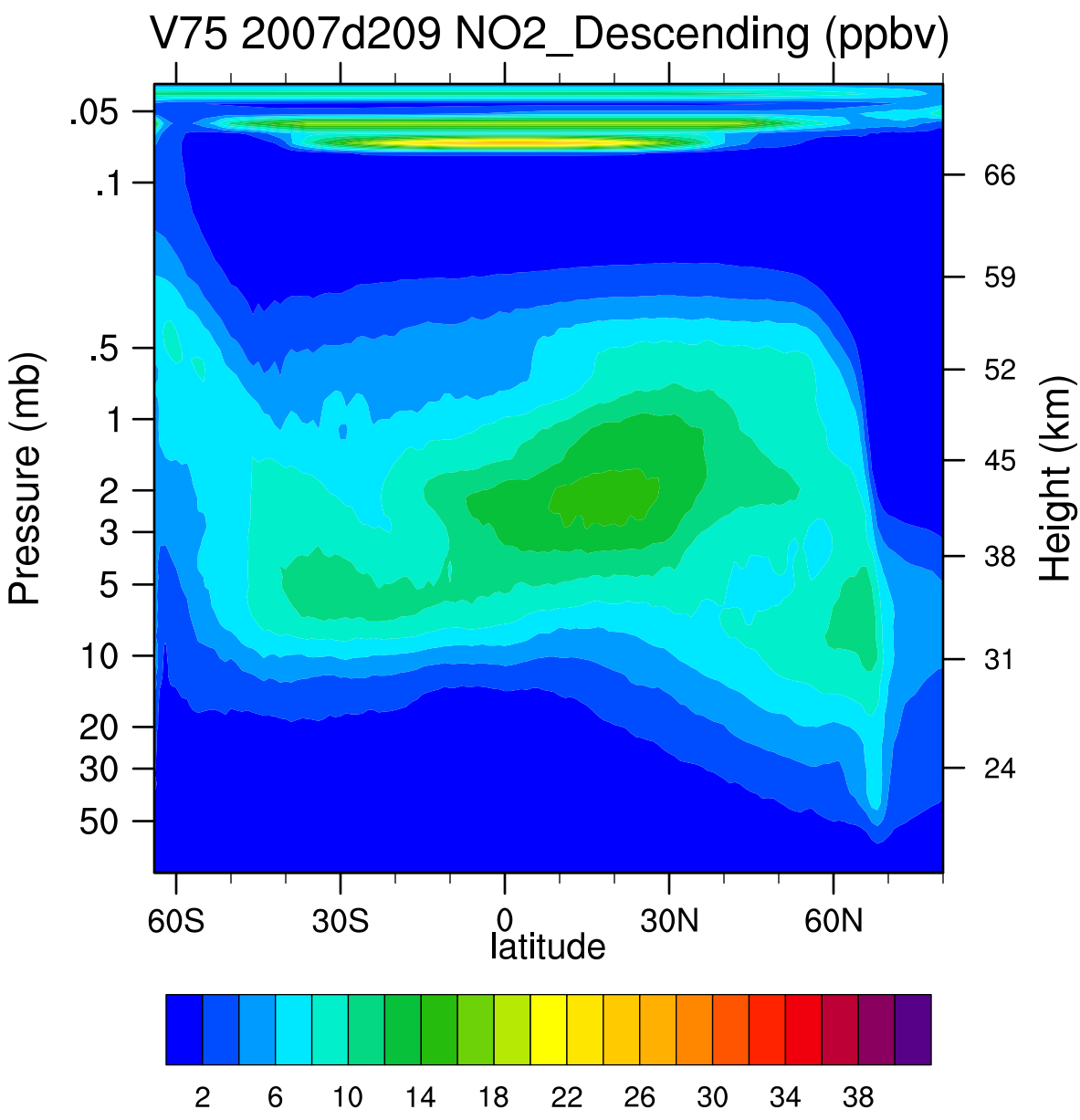
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Pressure (mb)
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45
38
31
24
Height (km)
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30S
0
30N
60N
latitude
2
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10
14
18
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26
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34
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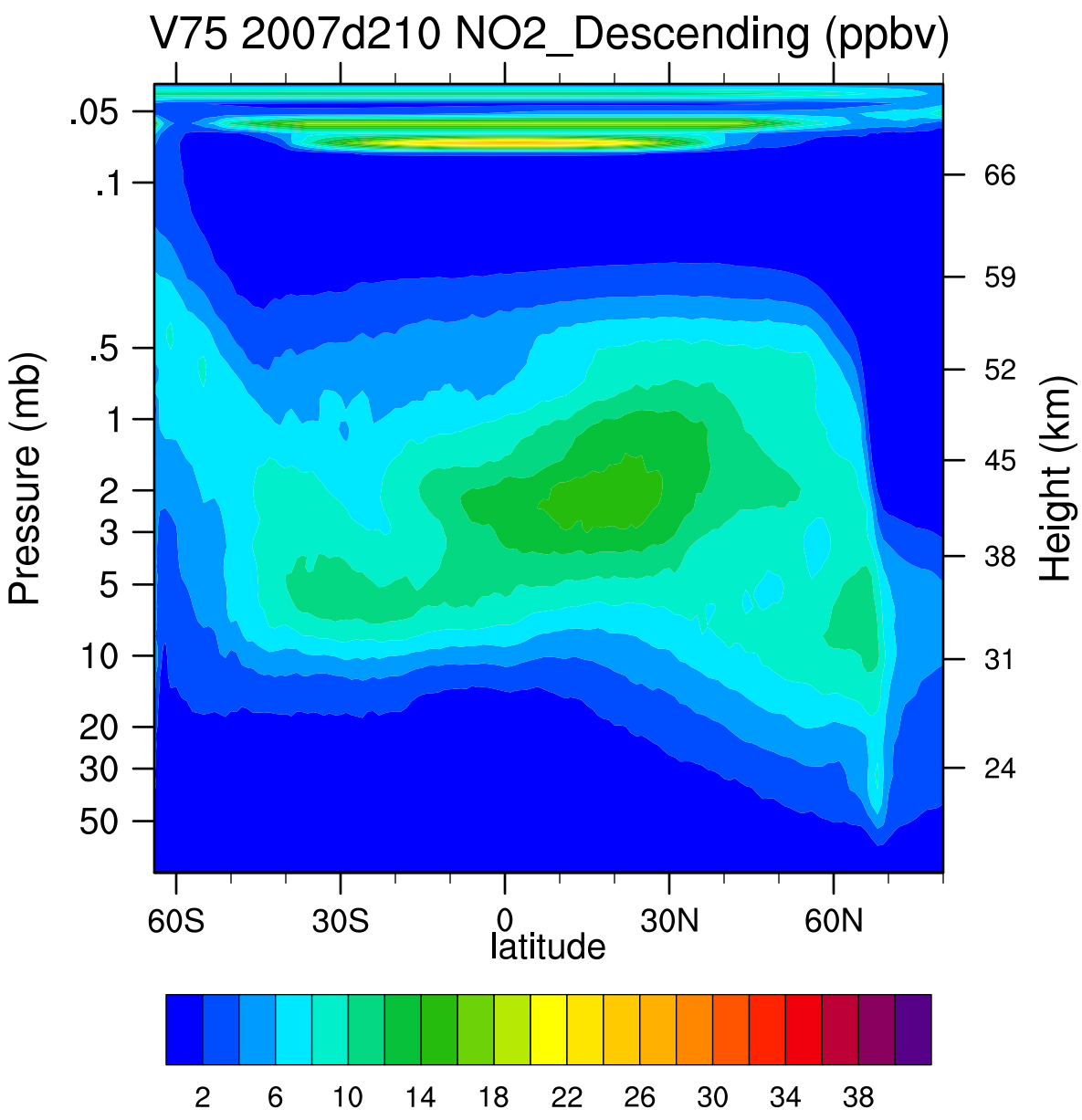
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Pressure (mb)
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52
45
38
31
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Height (km)
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30S
0
30N
60N
latitude
2
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10
14
18
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26
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34
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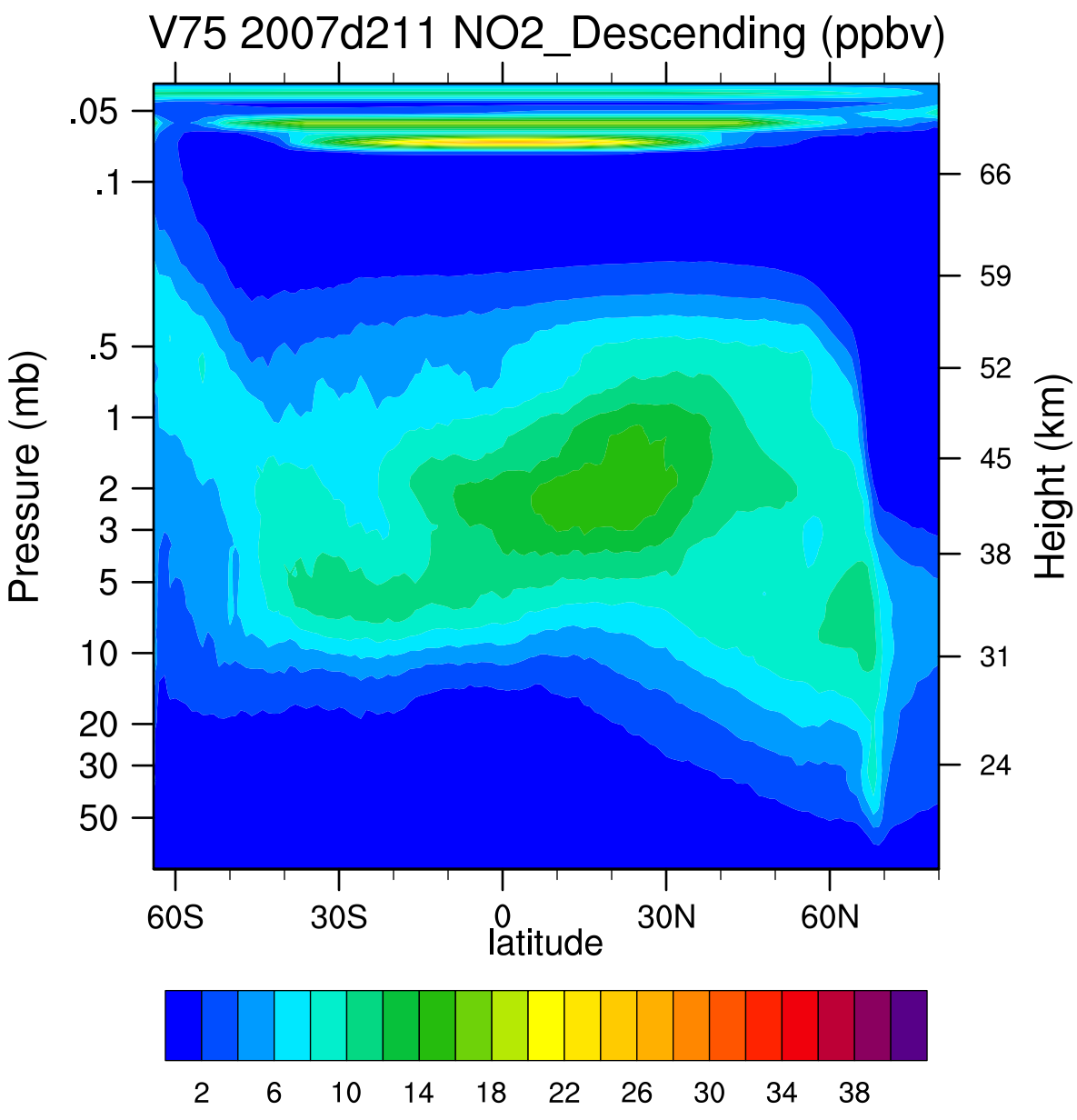
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Pressure (mb)
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45
38
31
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Height (km)
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30S
0
30N
60N
latitude
2
6
10
14
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26
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34
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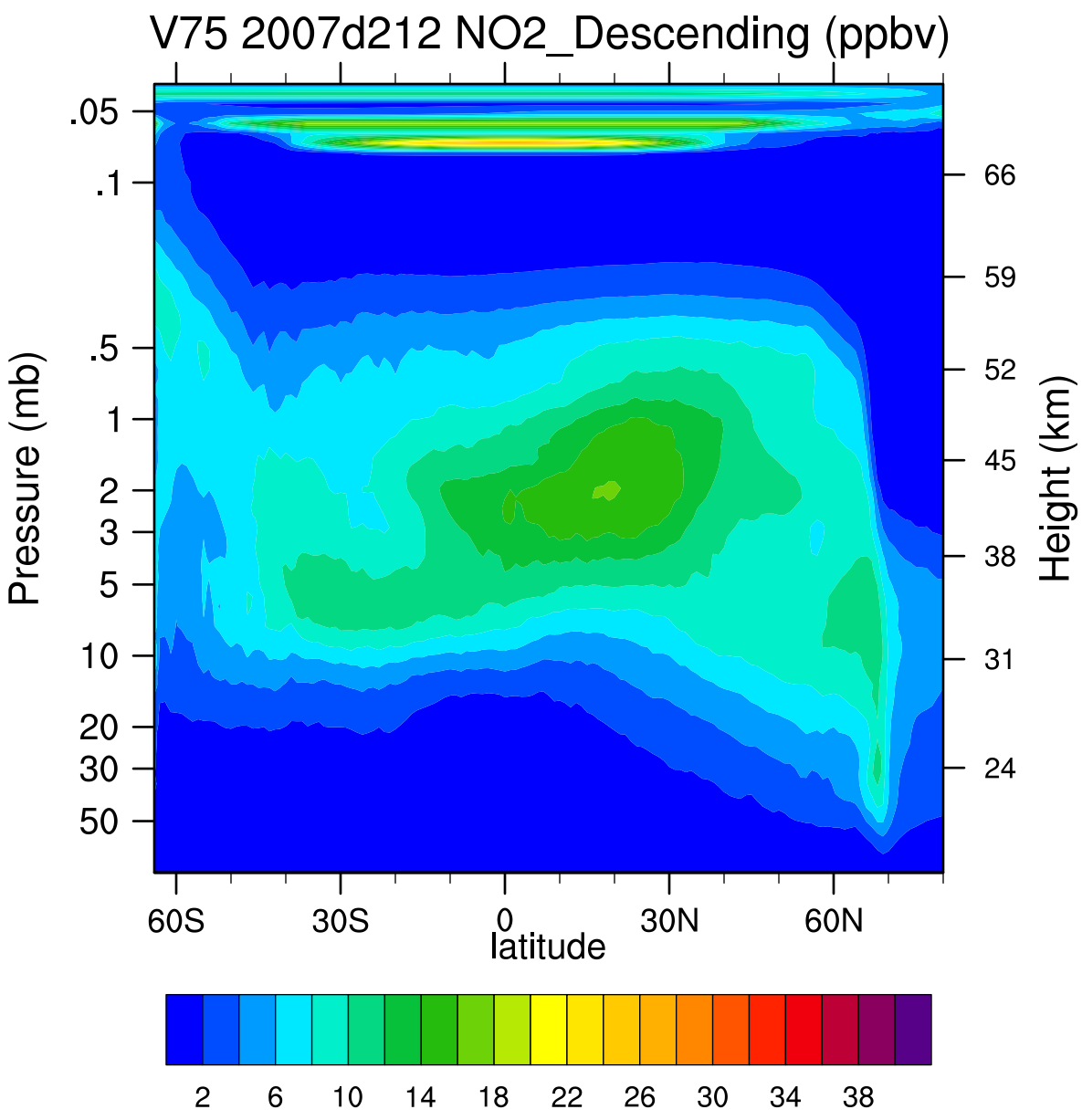
V75 2007d212 NO2_Descending (ppbv)
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Height (km)
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59
52
45
38
31
24
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30S
0
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60N
latitude
2
6
10
14
18
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26
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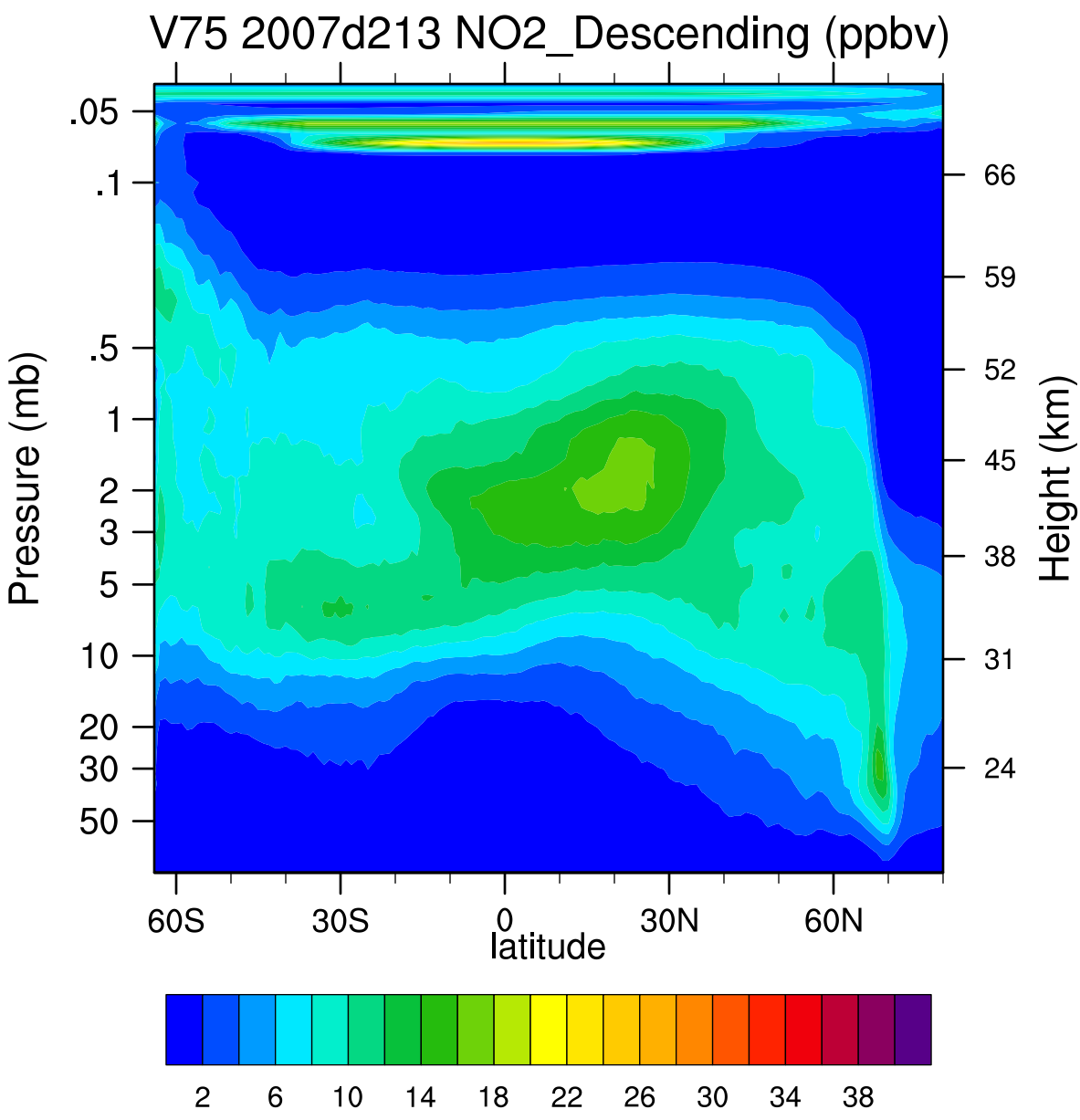
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30
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Pressure (mb)
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59
52
45
38
31
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Height (km)
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30S
0
30N
60N
latitude
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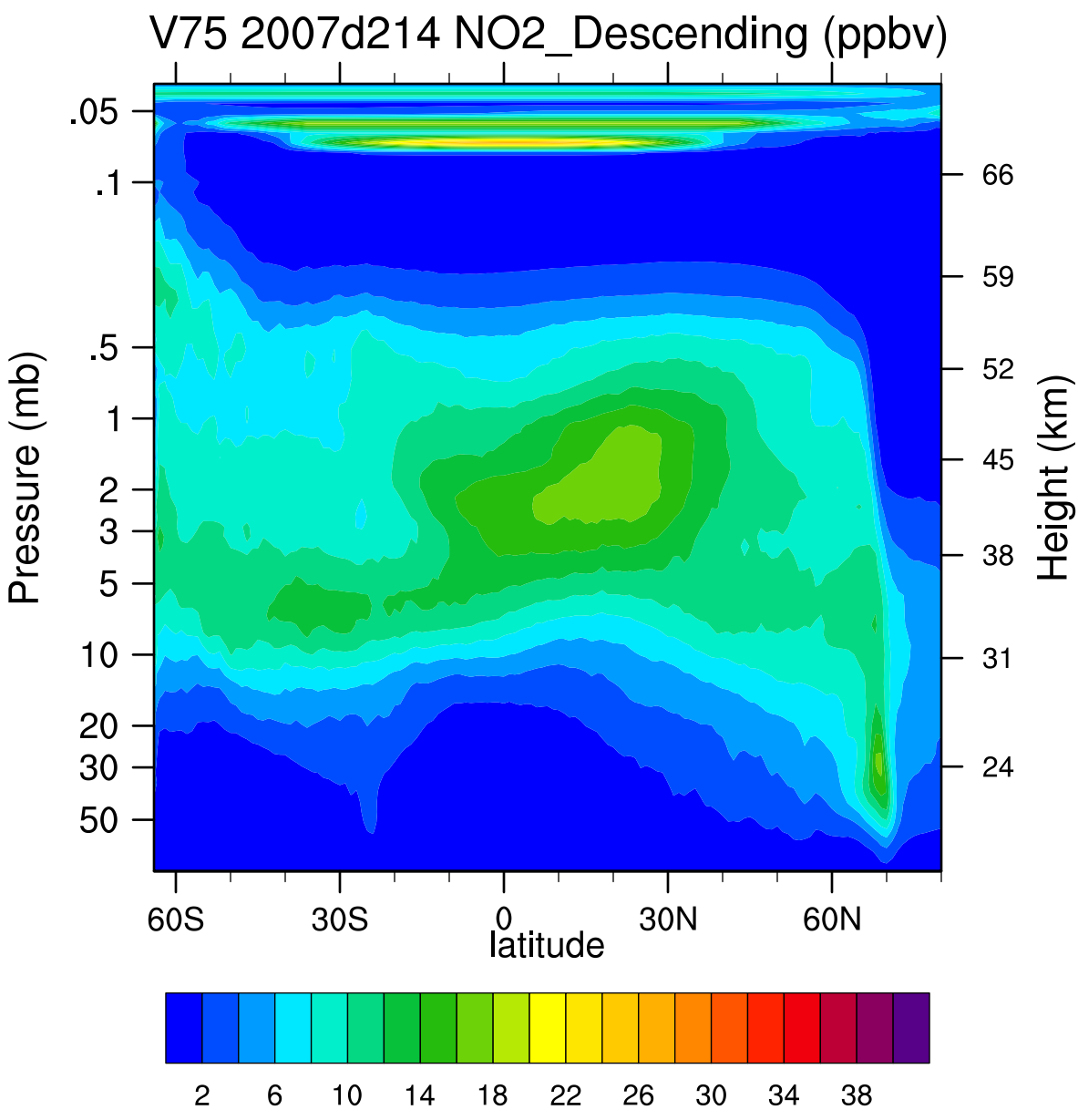
V75 2007d214 NO2_Descending (ppbv)
Pressure (mb)
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5
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Height (km)
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59
52
45
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24
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30S
0
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60N
latitude
2
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26
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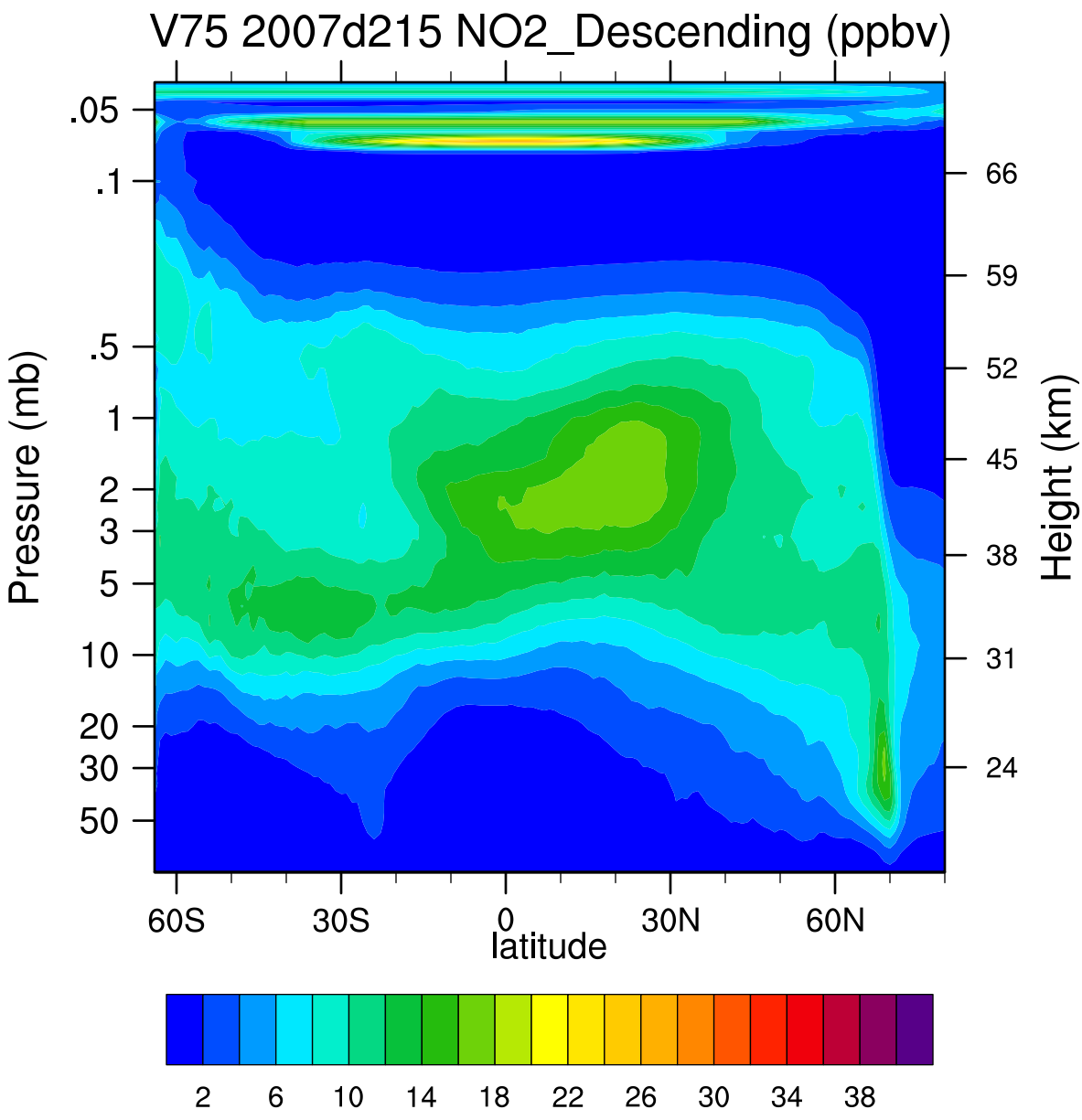
V75 2007d215 NO2_Descending (ppbv)
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Pressure (mb)
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52
45
38
31
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Height (km)
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30S
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60N
latitude
2
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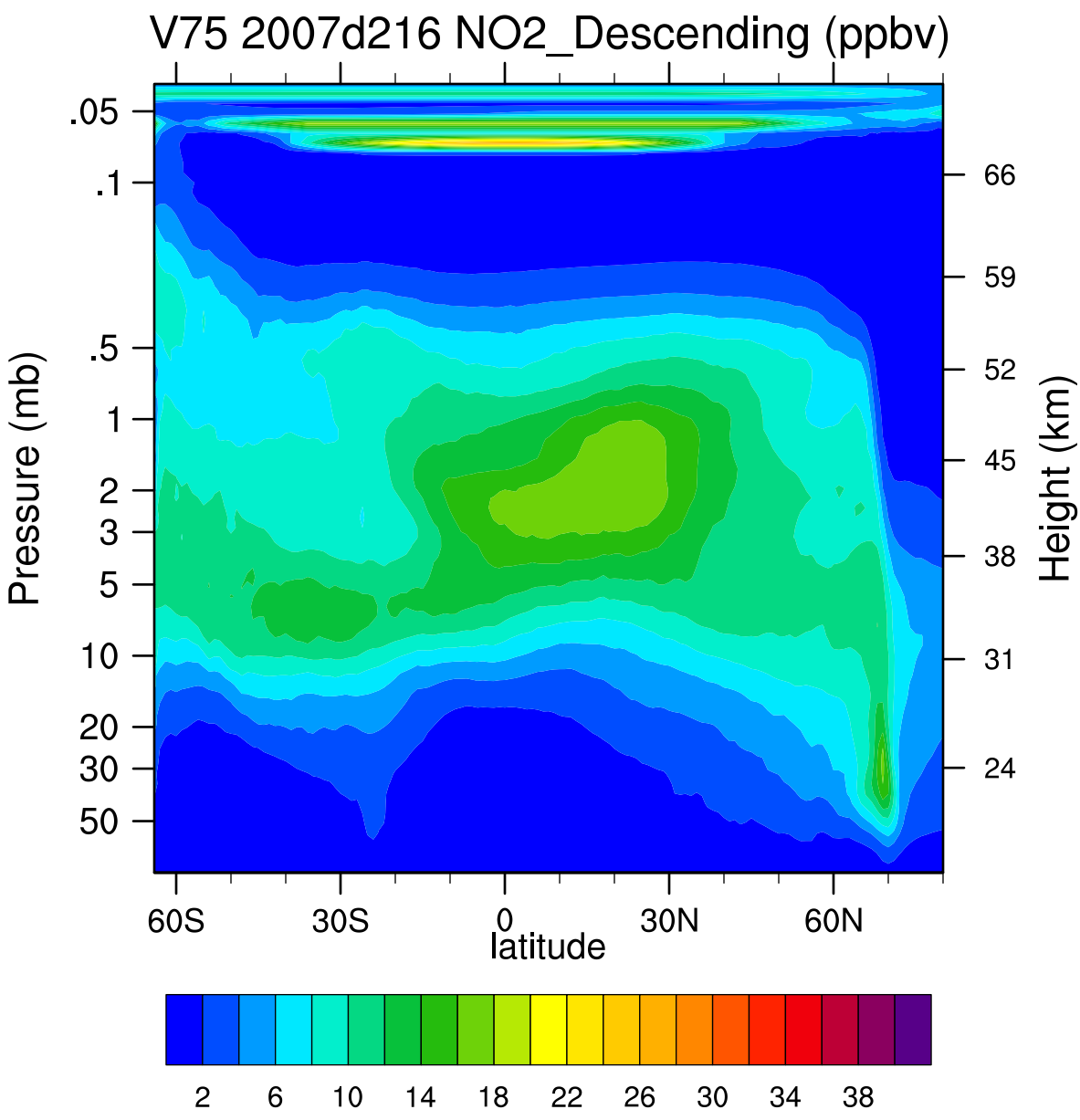
V75 2007d216 NO2_Descending (ppbv)
Pressure (mb)
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2
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20
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Height (km)
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59
52
45
38
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24
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30S
0
30N
60N
latitude
2
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10
14
18
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26
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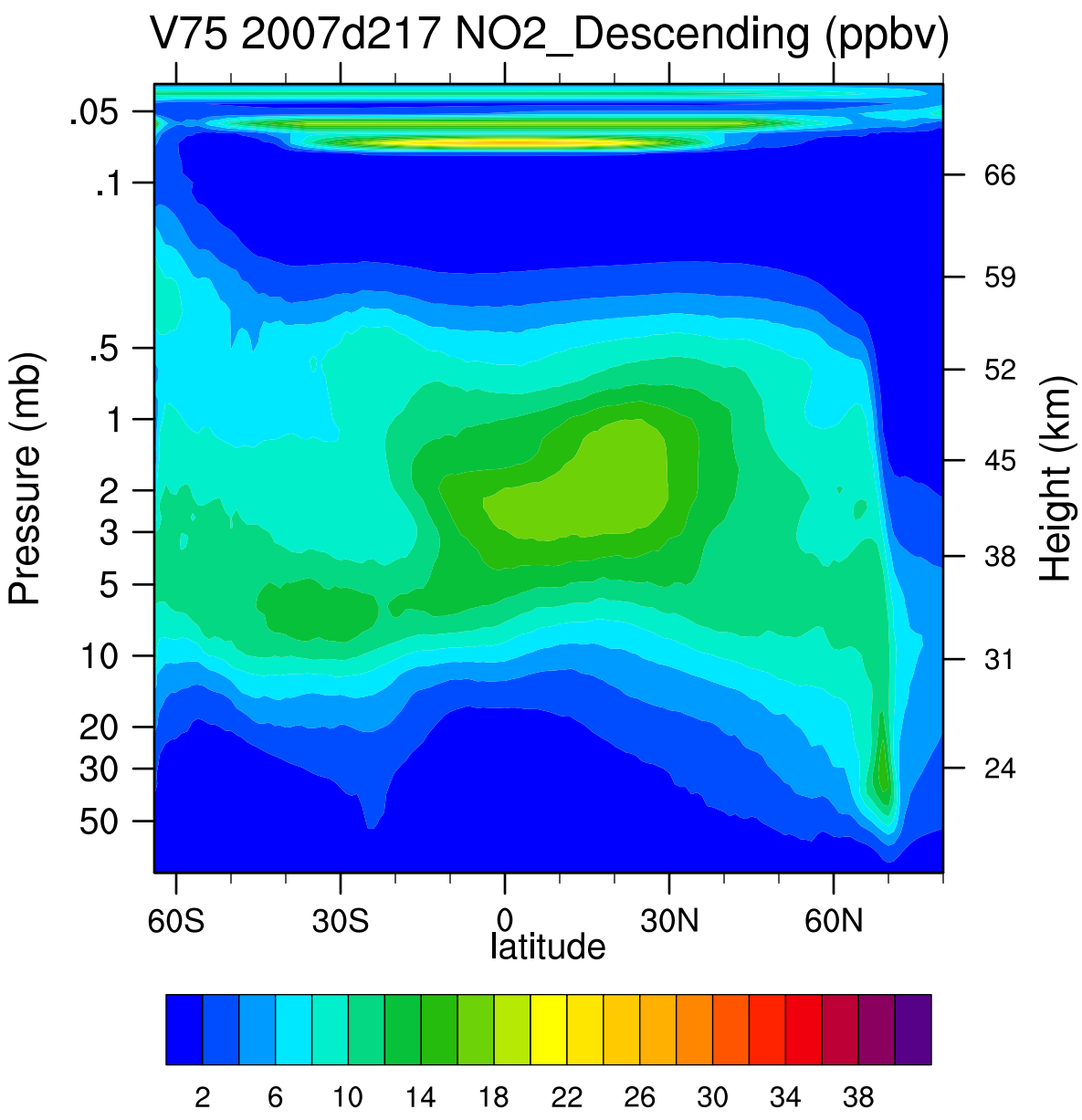
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Height (km)
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59
52
45
38
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24
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30S
0
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60N
latitude
2
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10
14
18
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26
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34
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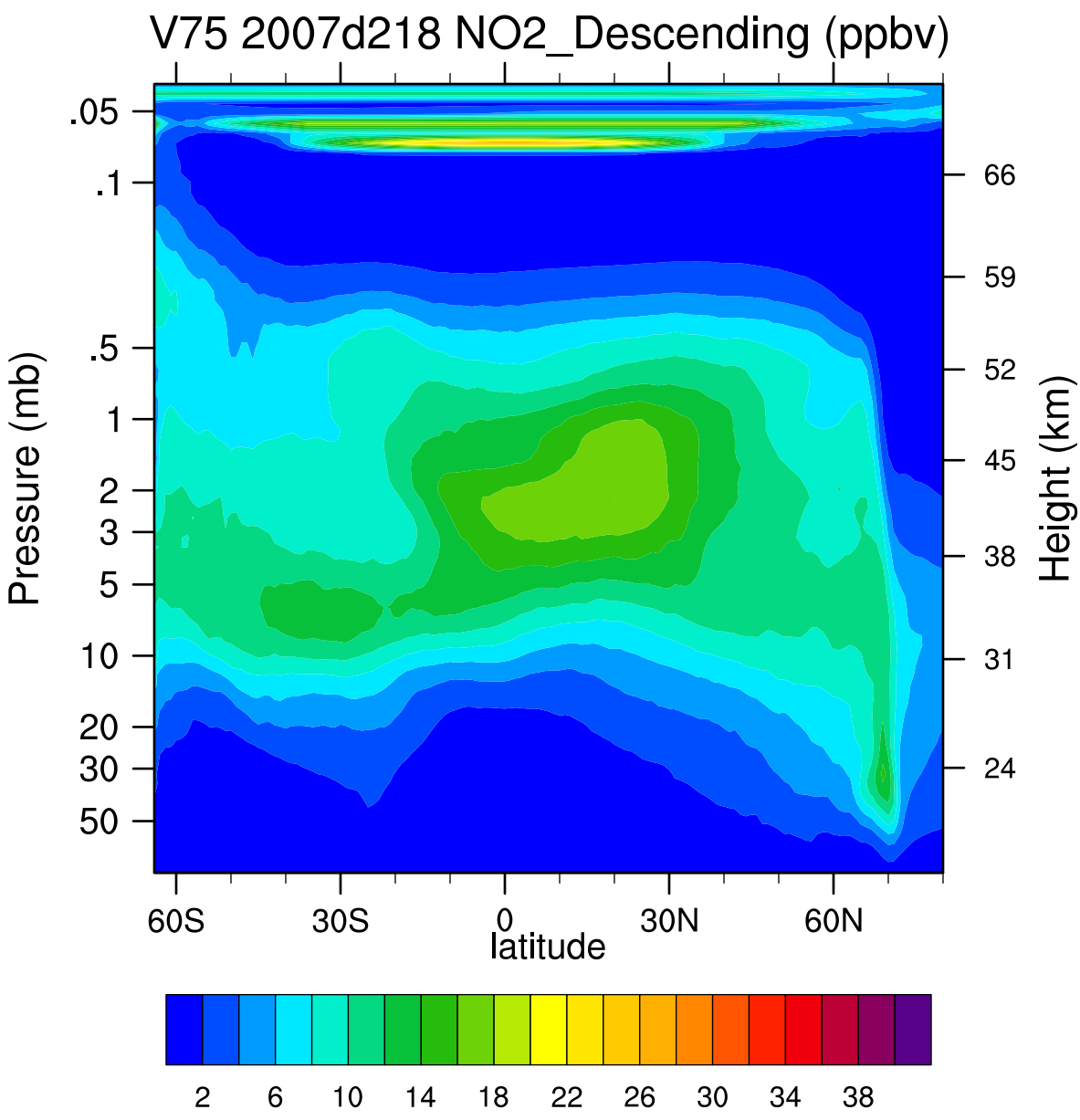
V75 2007d218 NO2_Descending (ppbv)
Pressure (mb)
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.5
1
2
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5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
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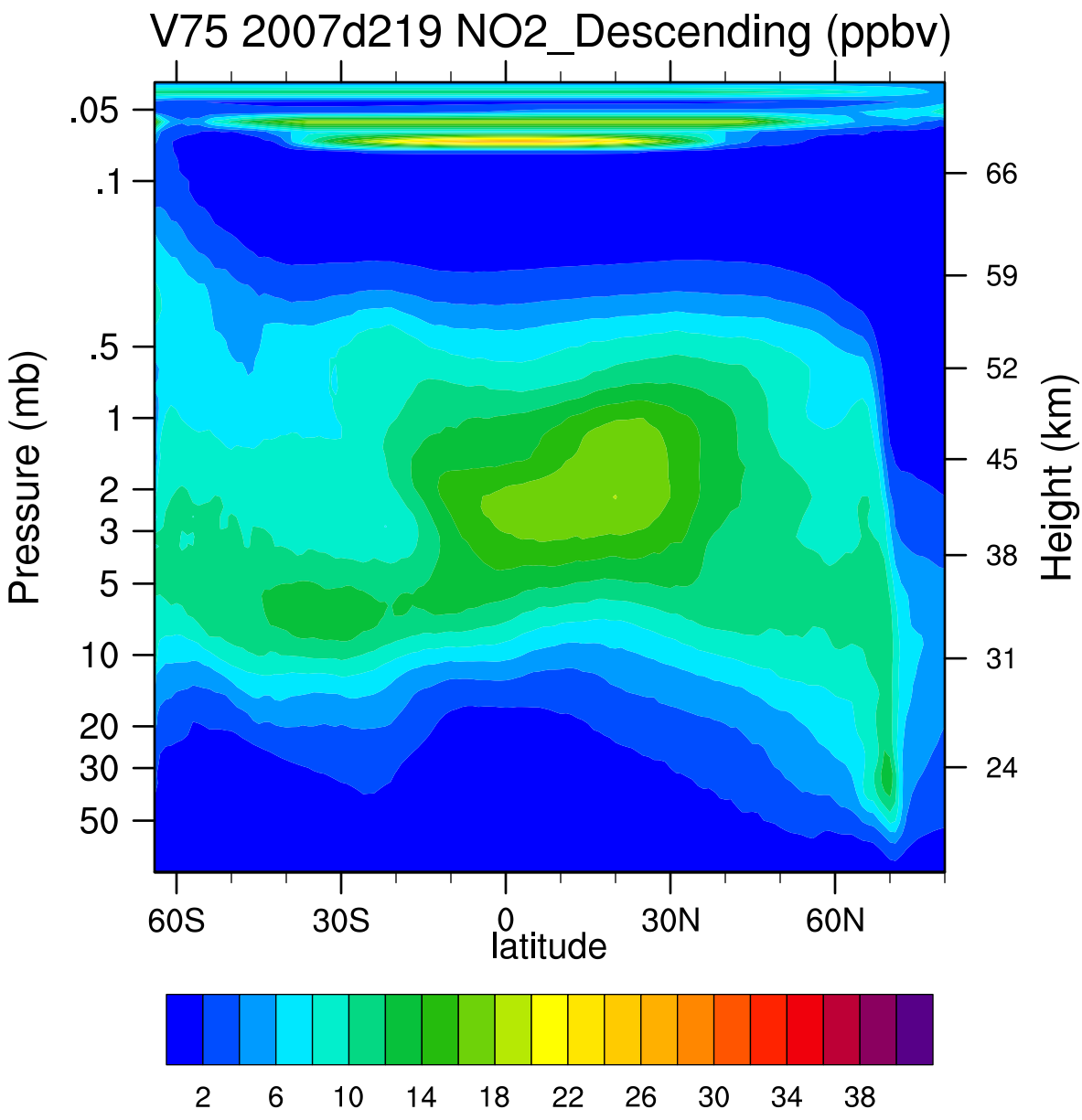
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38


V75 2007d219 NO2_Descending (ppbv)
Pressure (mb)
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.5
1
2
3
5
10
20
30
50
Height (km)
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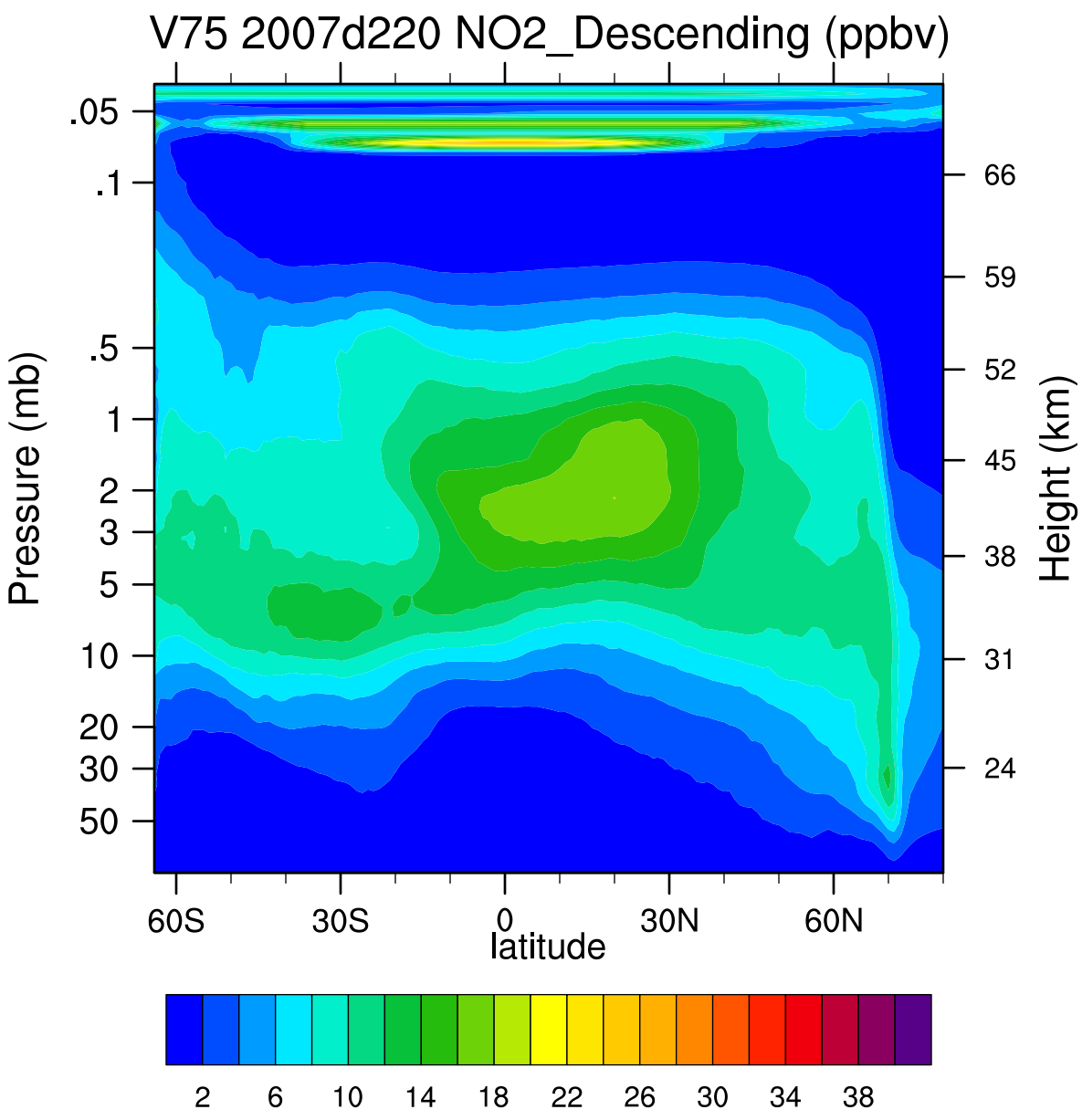
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38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Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
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30S
0
30N
60N
latitude
2
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14
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26
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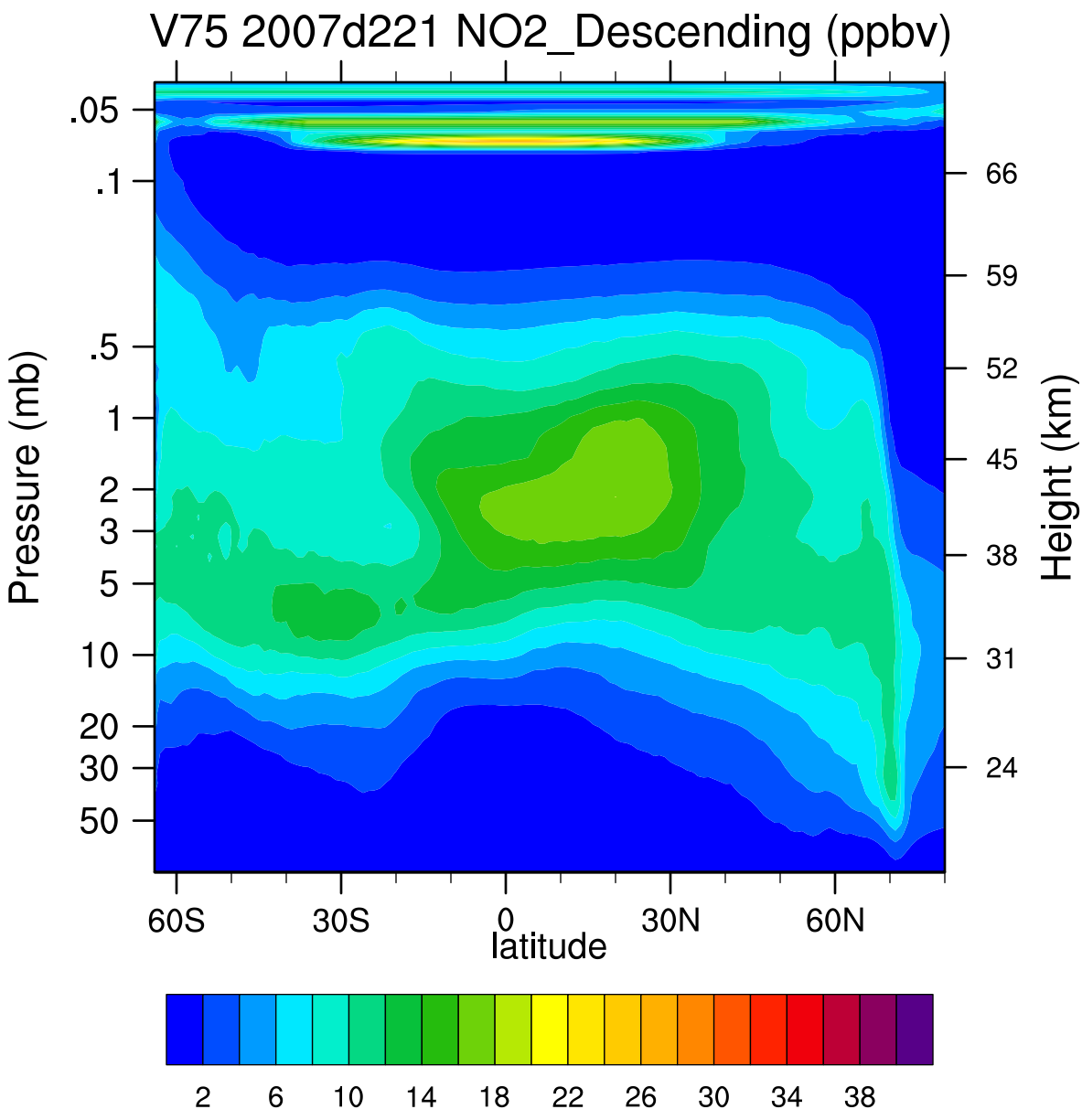
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Pressure (mb)
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1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
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30S
0
30N
60N
latitude
2
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14
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26
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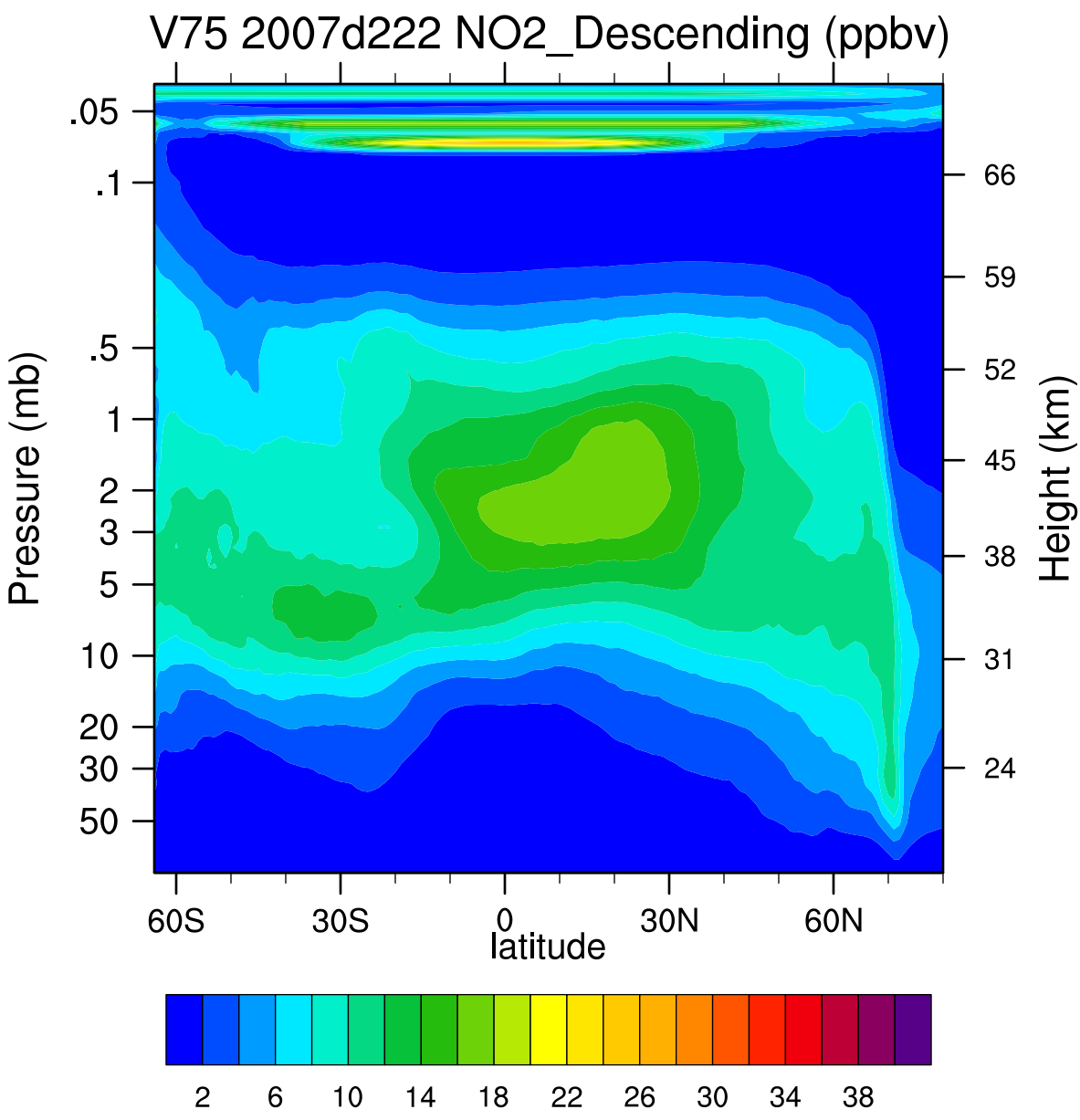
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Pressure (mb)
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5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
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30S
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60N
latitude
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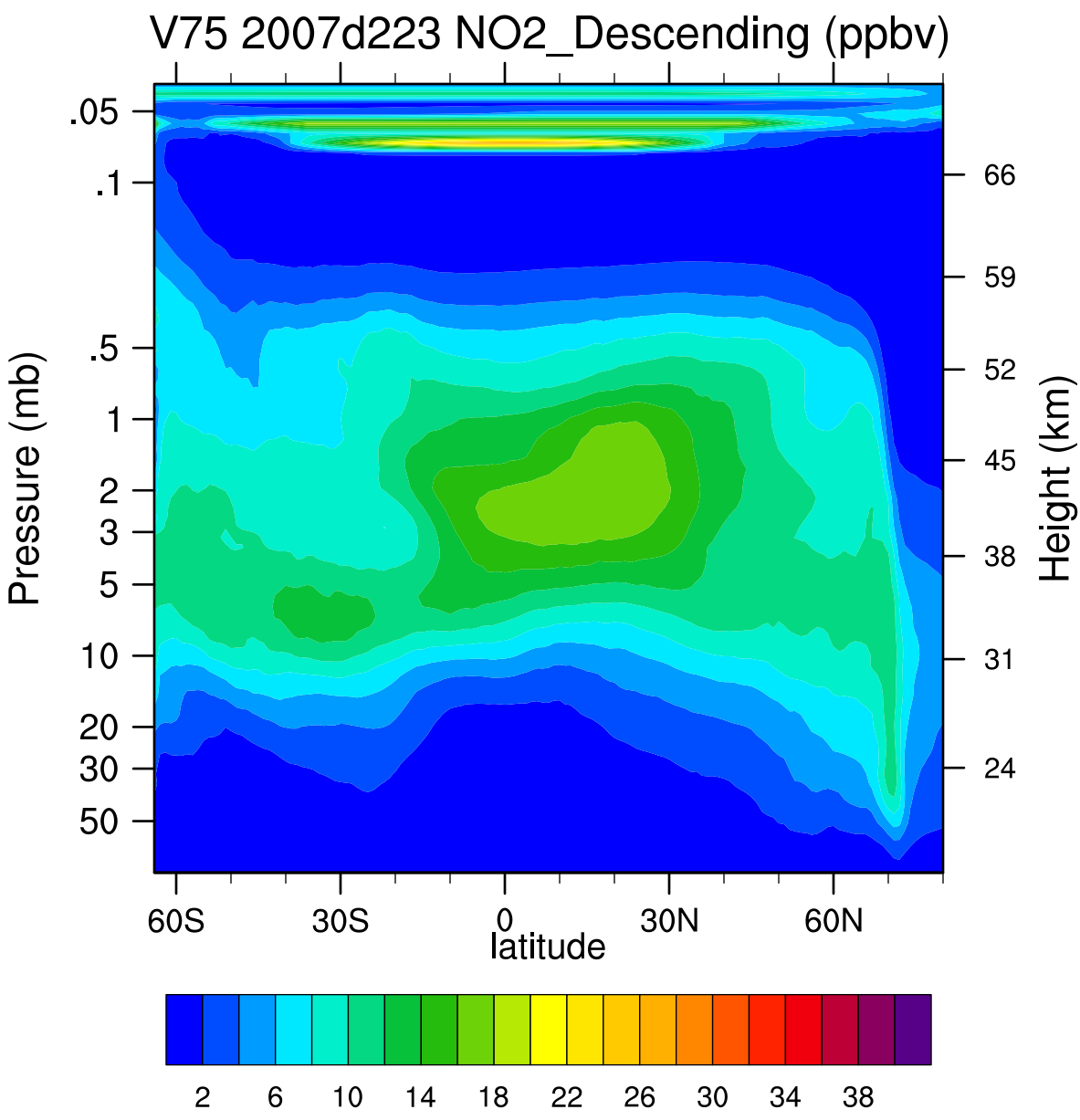
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3
5
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Pressure (mb)
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59
52
45
38
31
24
Height (km)
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30S
0
30N
60N
latitude
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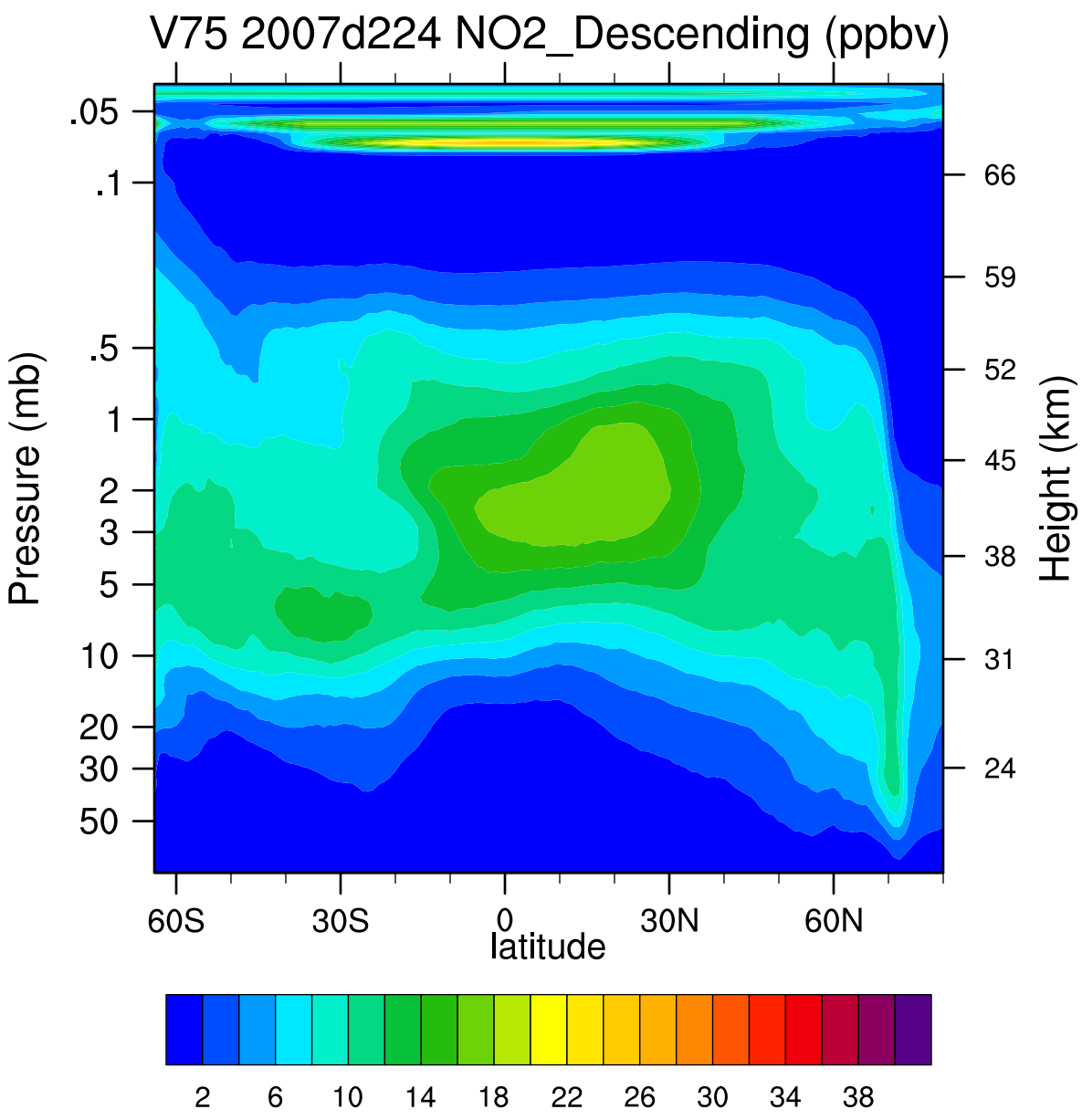
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Pressure (mb)
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59
52
45
38
31
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Height (km)
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0
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60N
latitude
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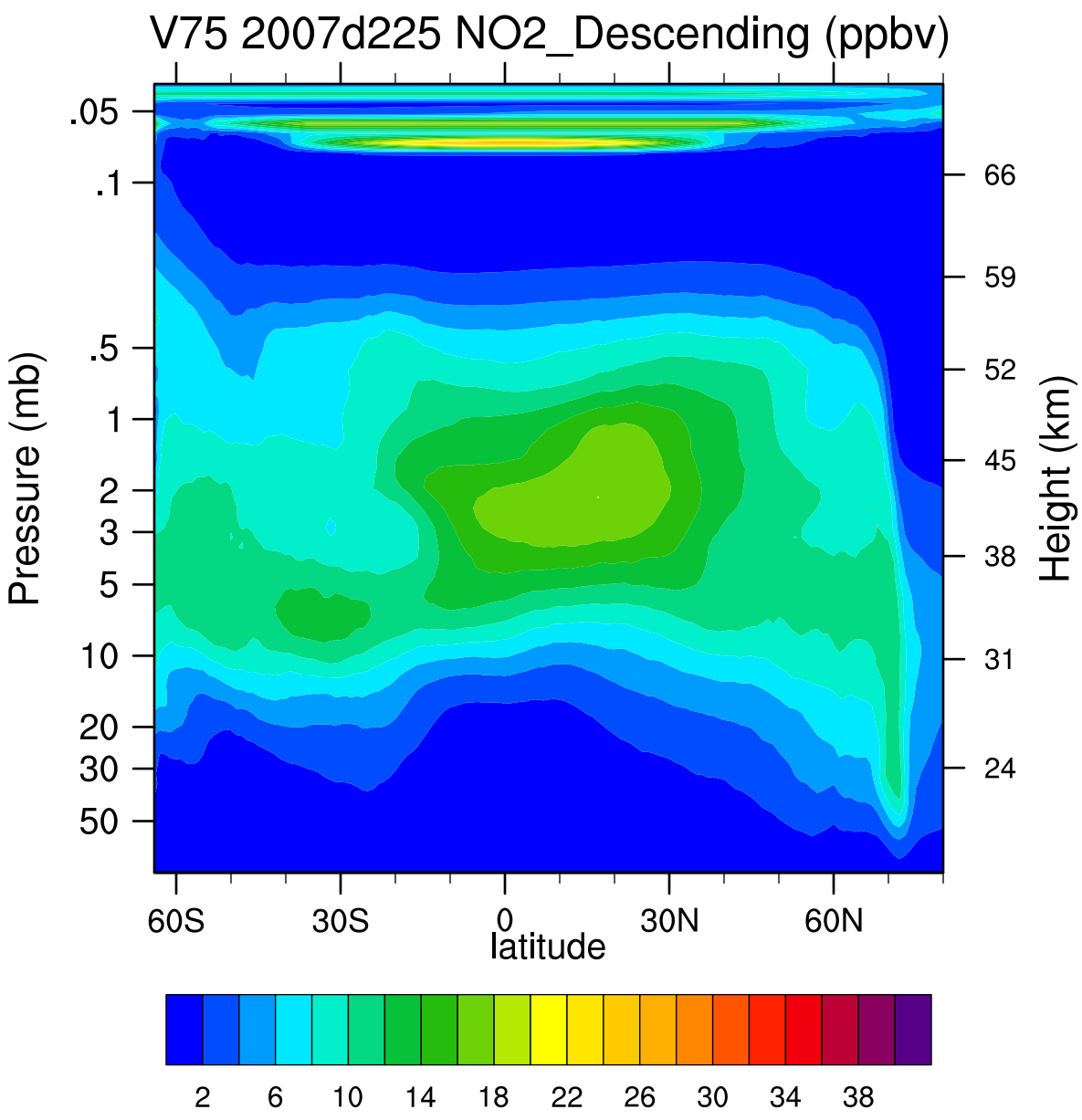
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Pressure (mb)
66
59
52
45
38
31
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Height (km)
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30S
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60N
latitude
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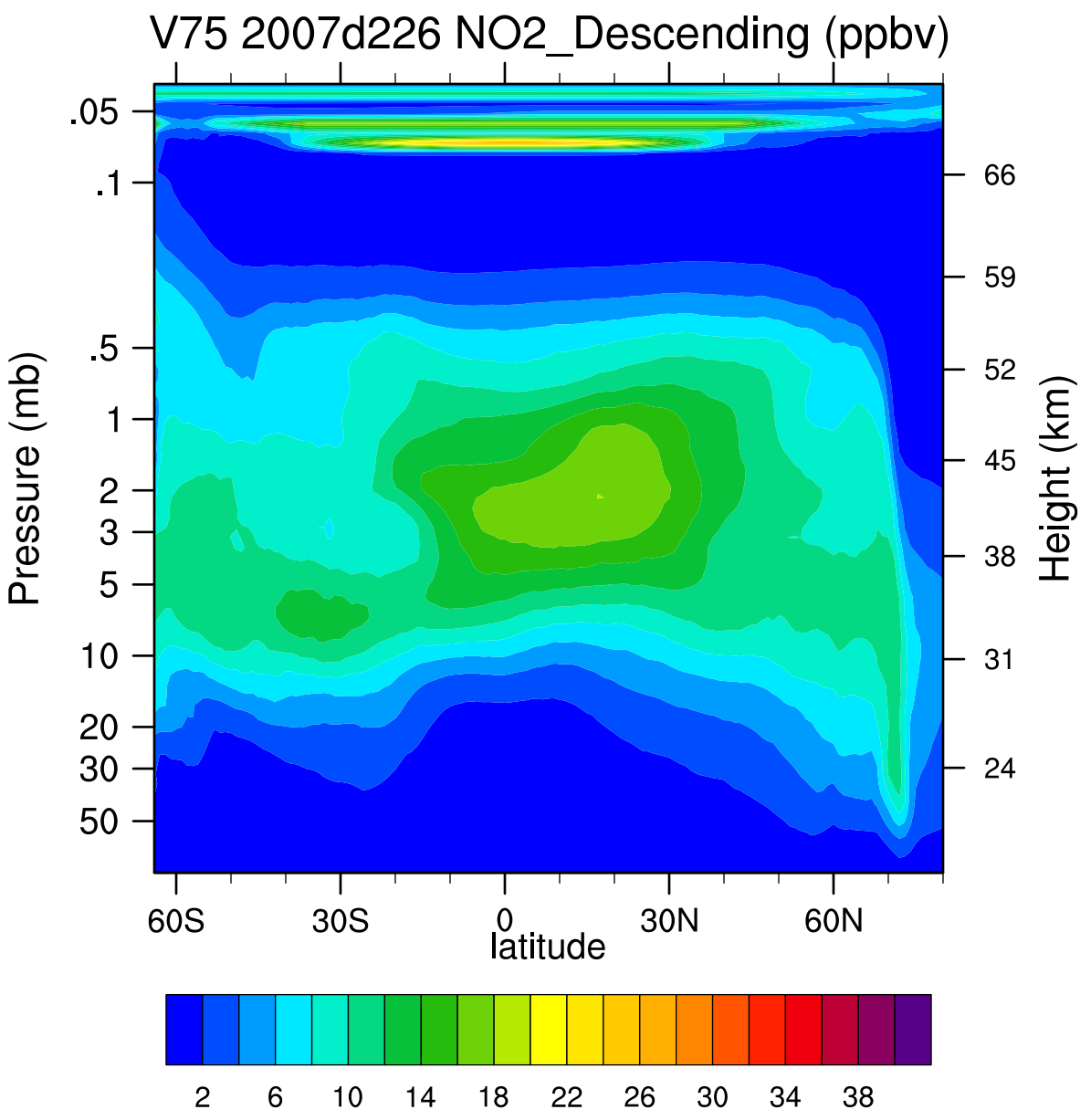
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Pressure (mb)
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38
31
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Height (km)
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30S
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30N
60N
latitude
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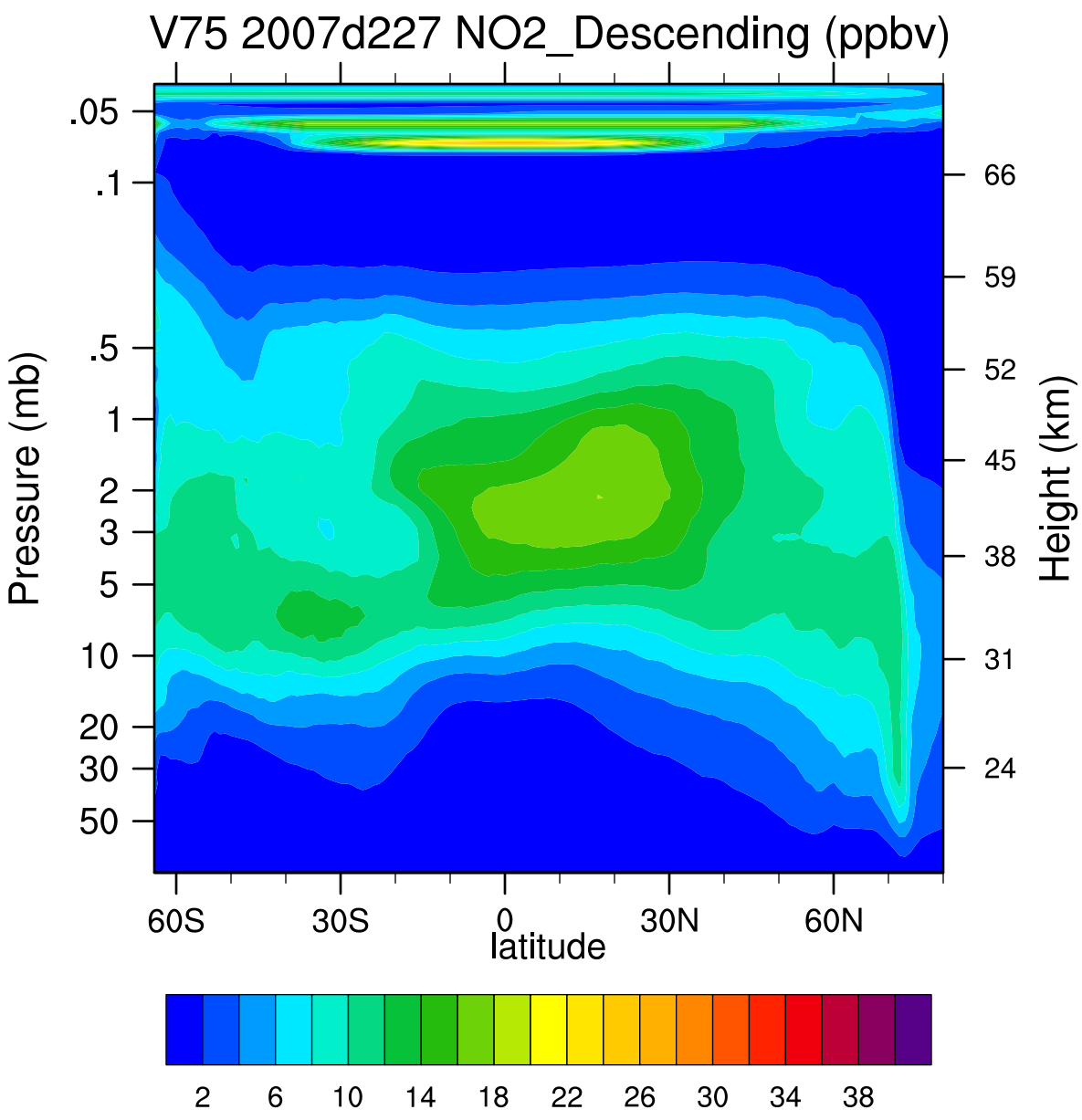
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Pressure (mb)
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Height (km)
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30N
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latitude
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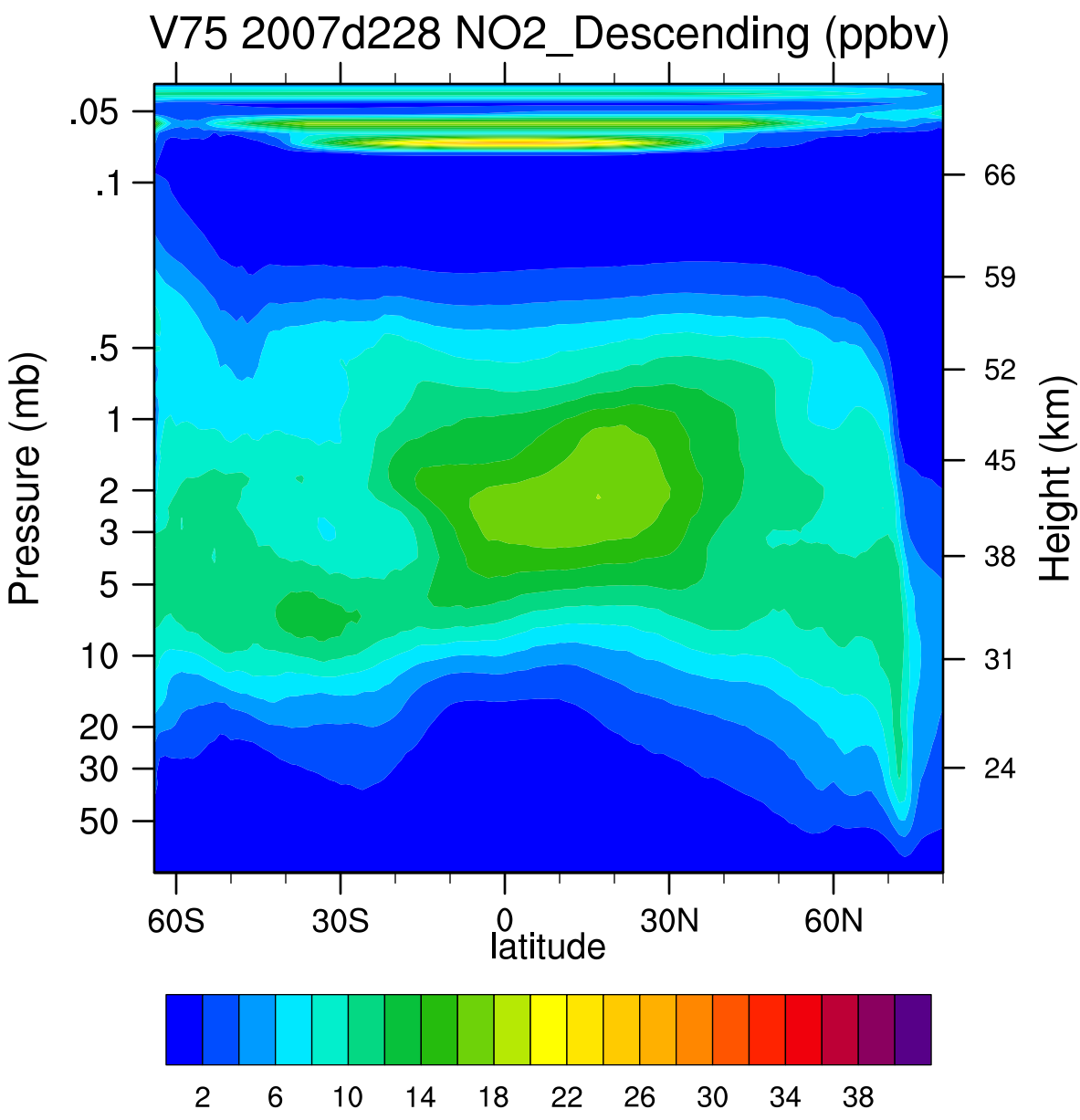
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Pressure (mb)
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59
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38
31
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Height (km)
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30N
60N
latitude
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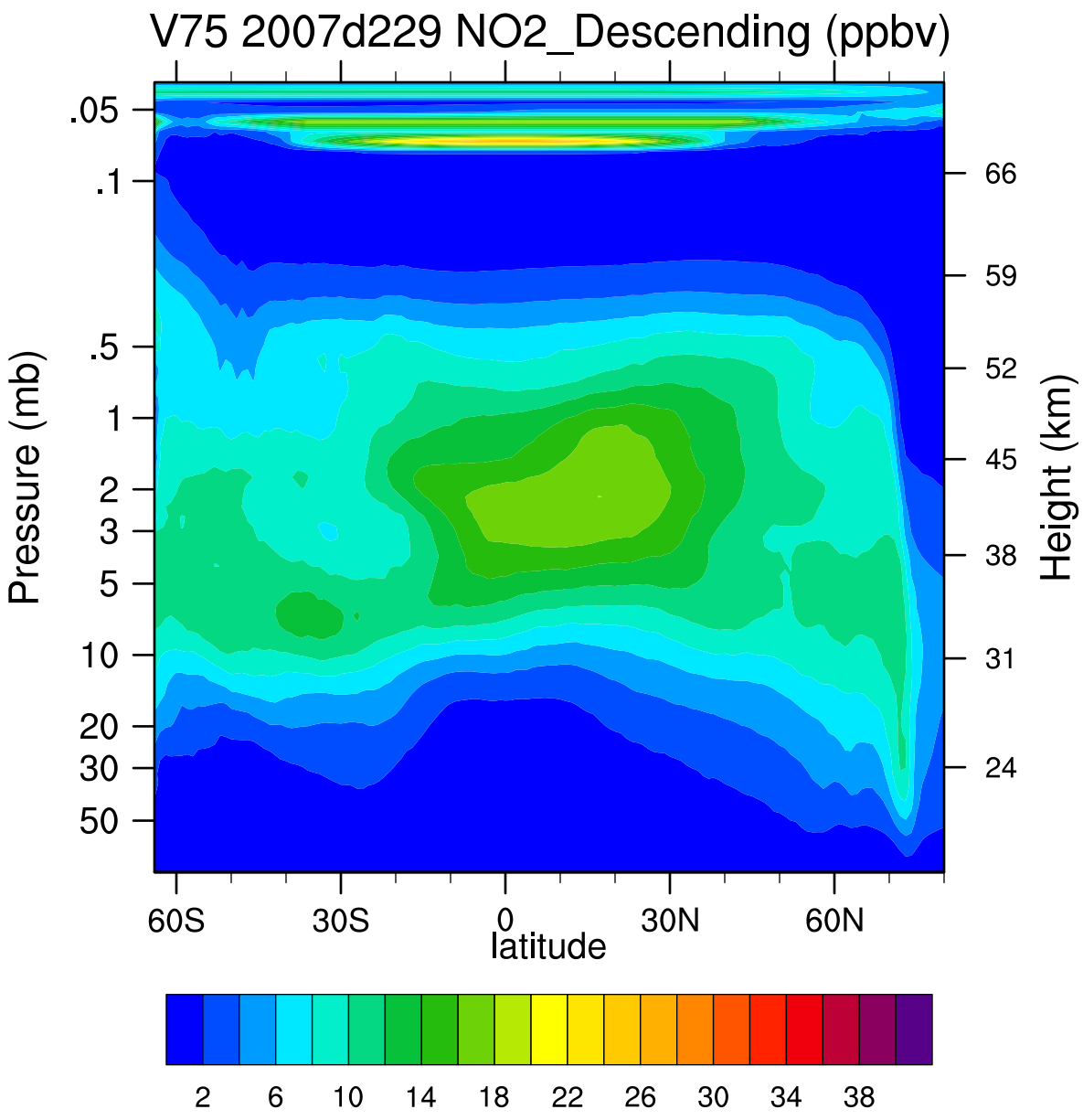
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Height (km)
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52
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60N
latitude
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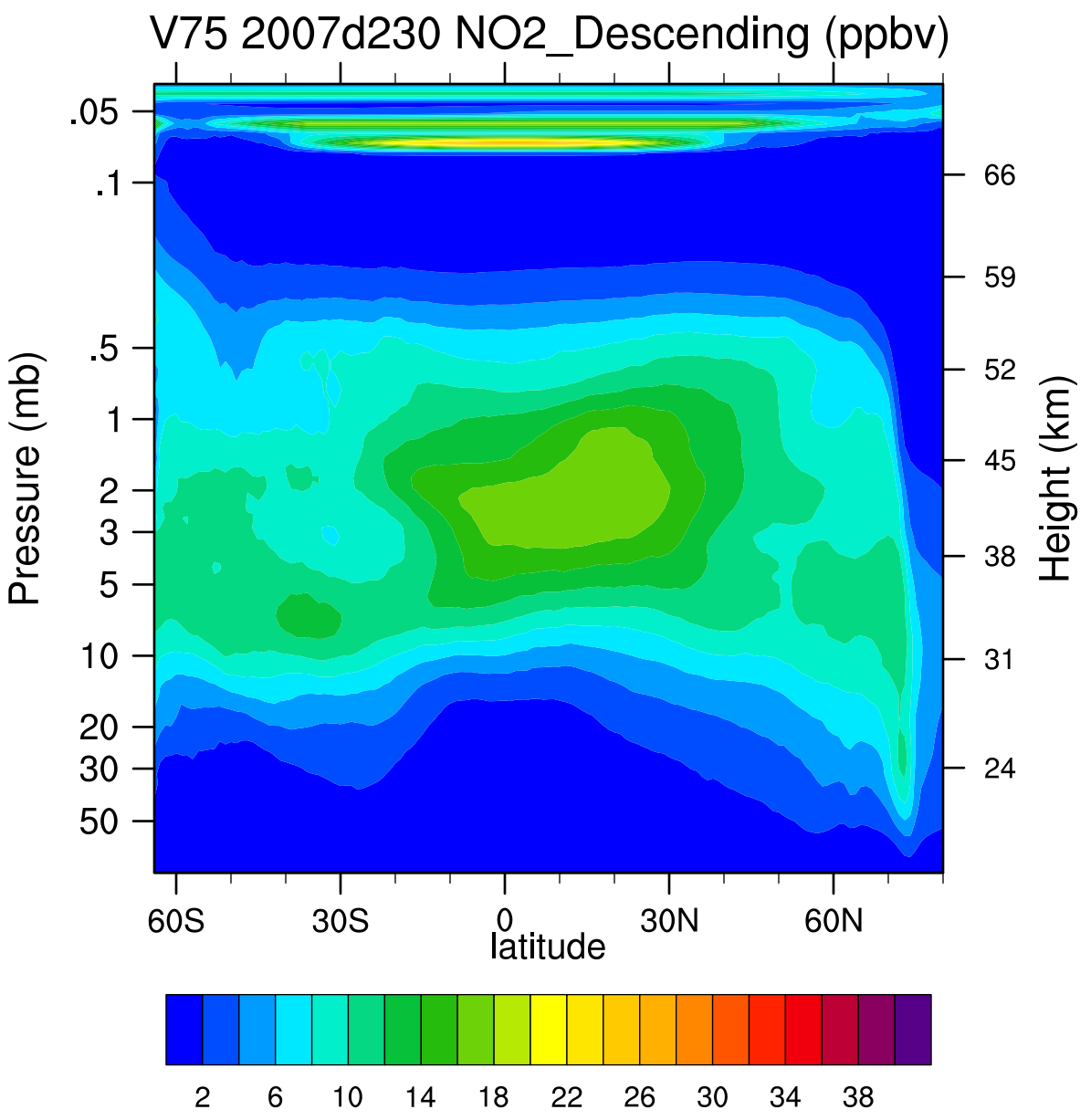
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Pressure (mb)
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Height (km)
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latitude
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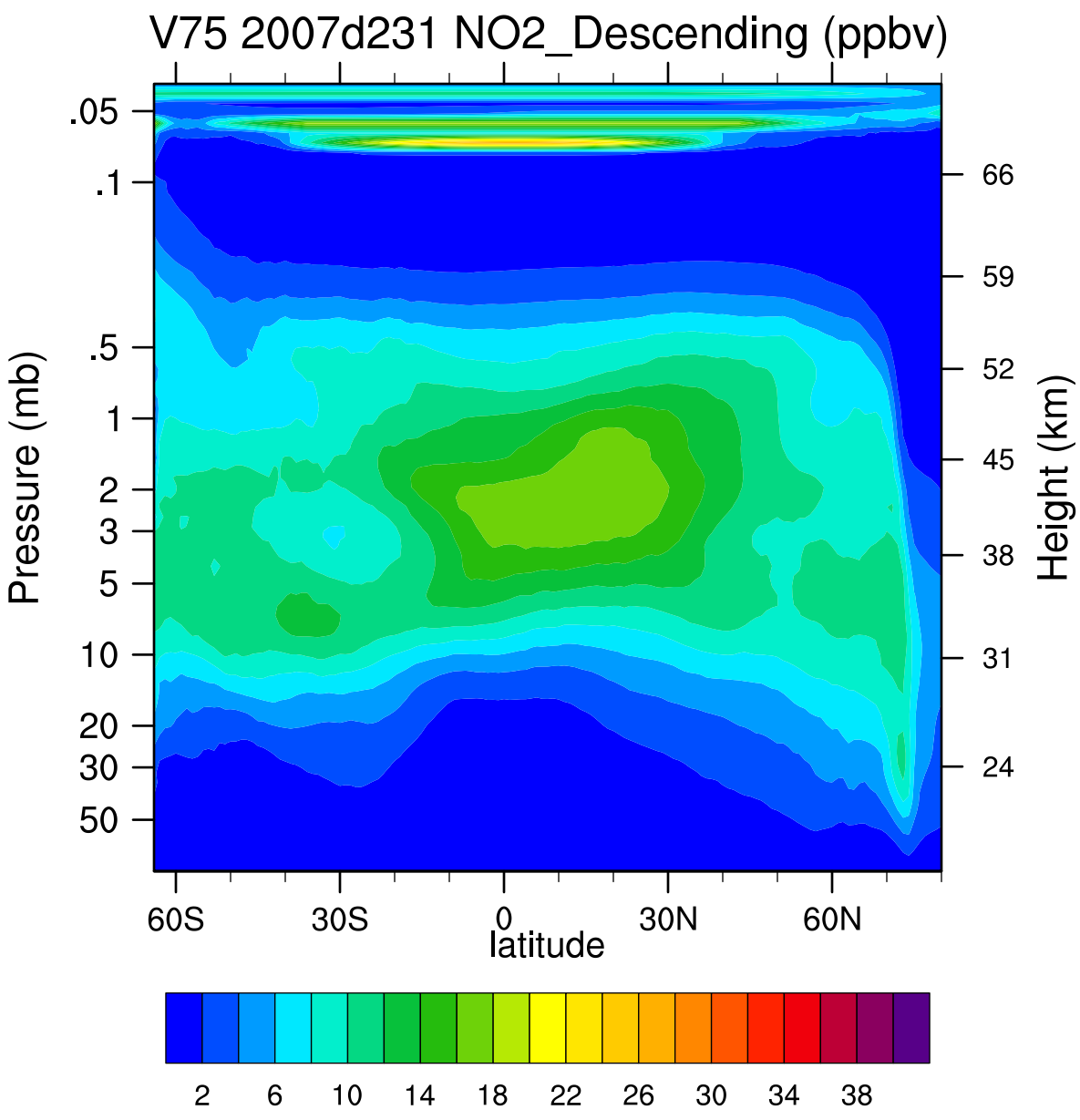
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Pressure (mb)
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Height (km)
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60N
latitude
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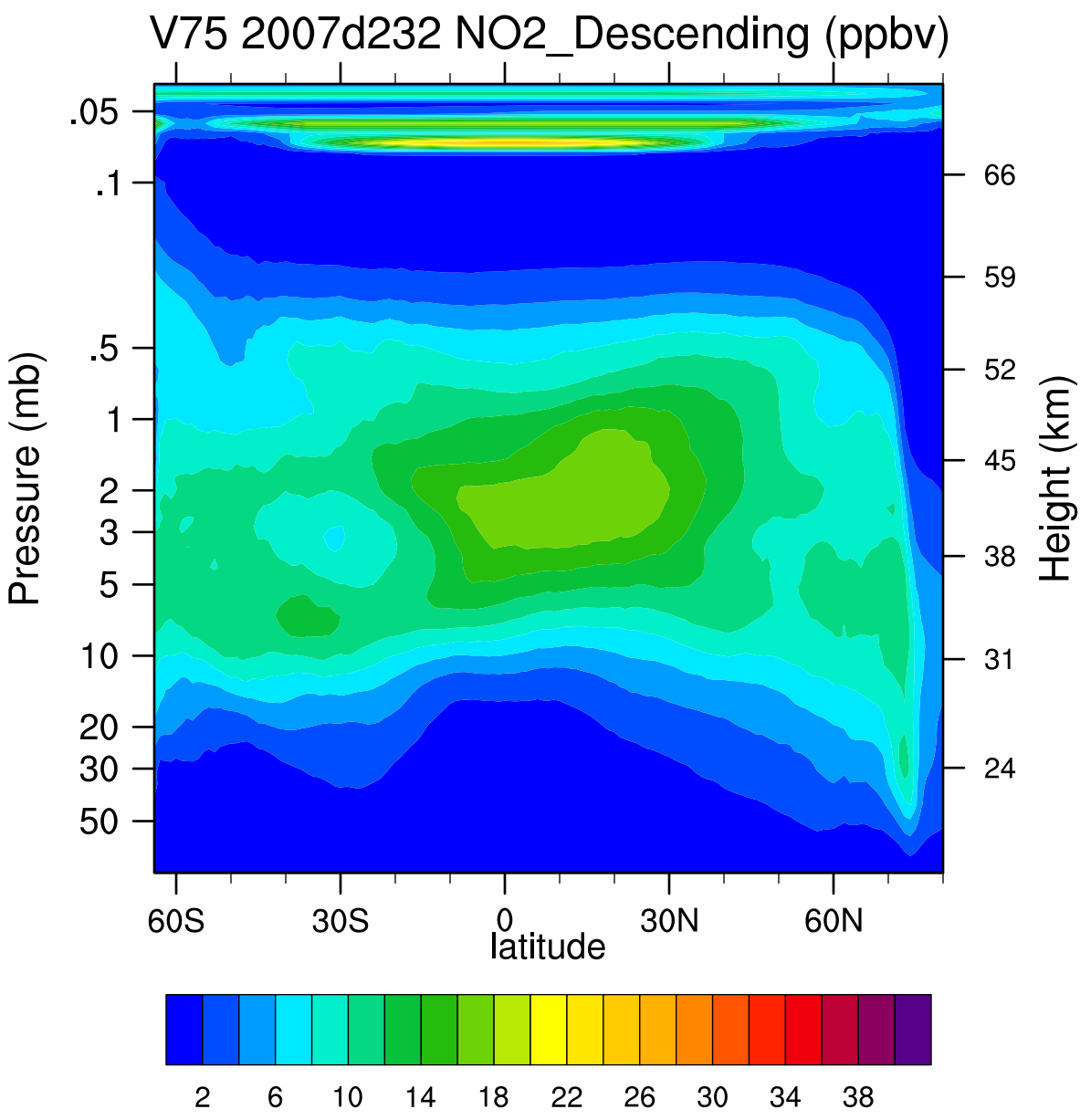
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Height (km)
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52
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60N
latitude
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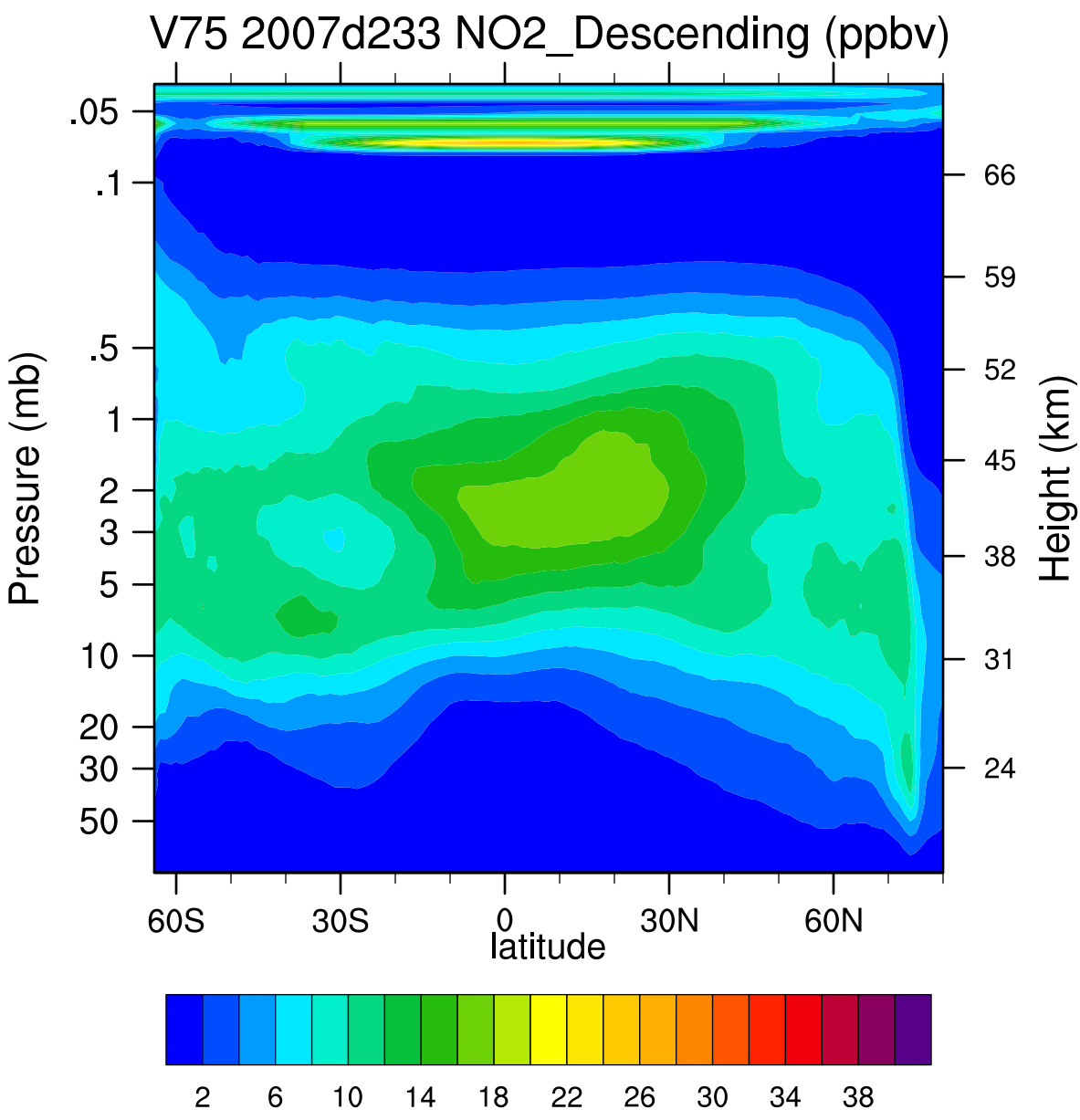
V75 2007d233 NO2_Descending (ppbv)
Pressure (mb)
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.5
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50
Height (km)
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60N
latitude
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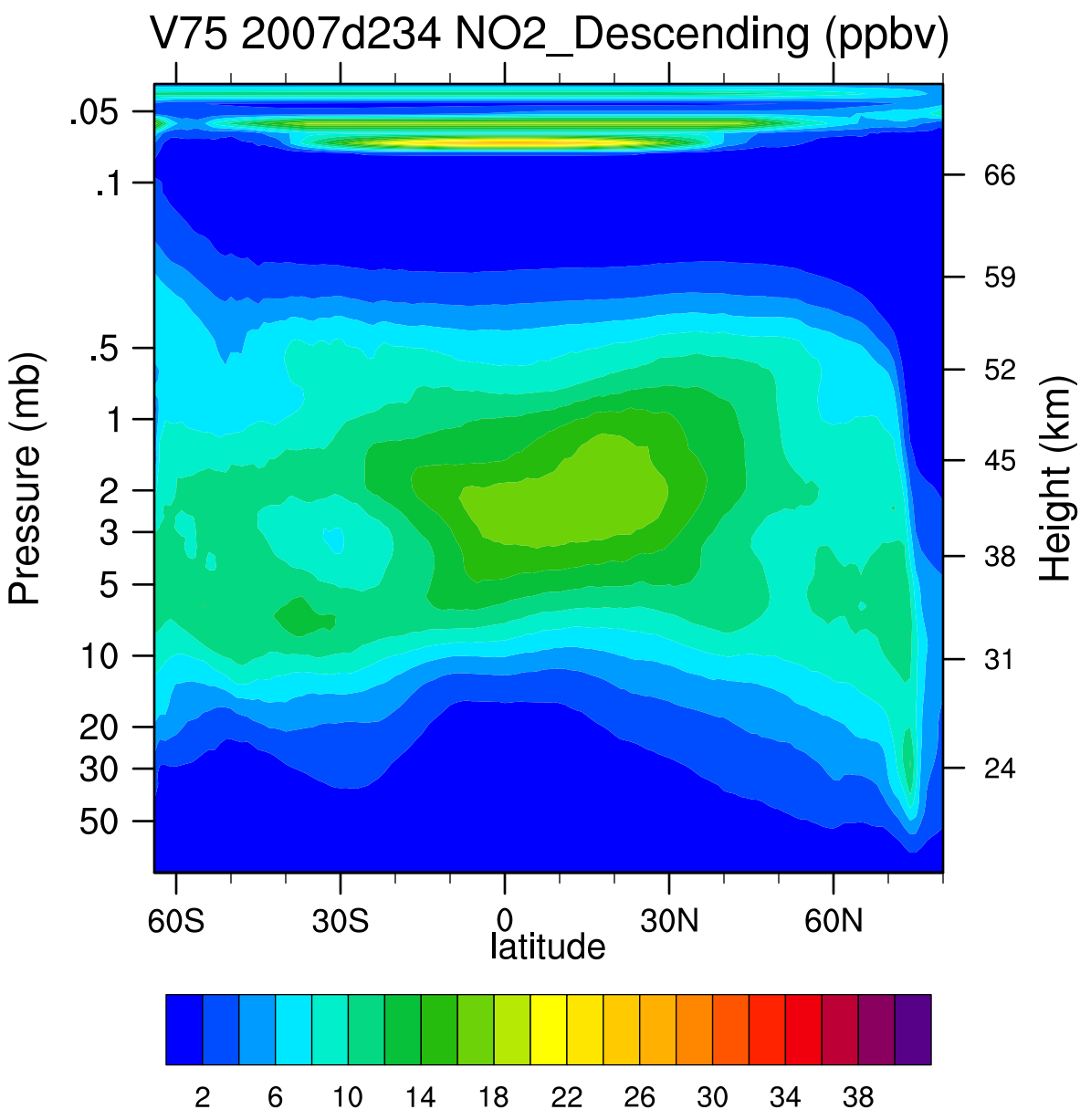
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Height (km)
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52
45
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60N
latitude
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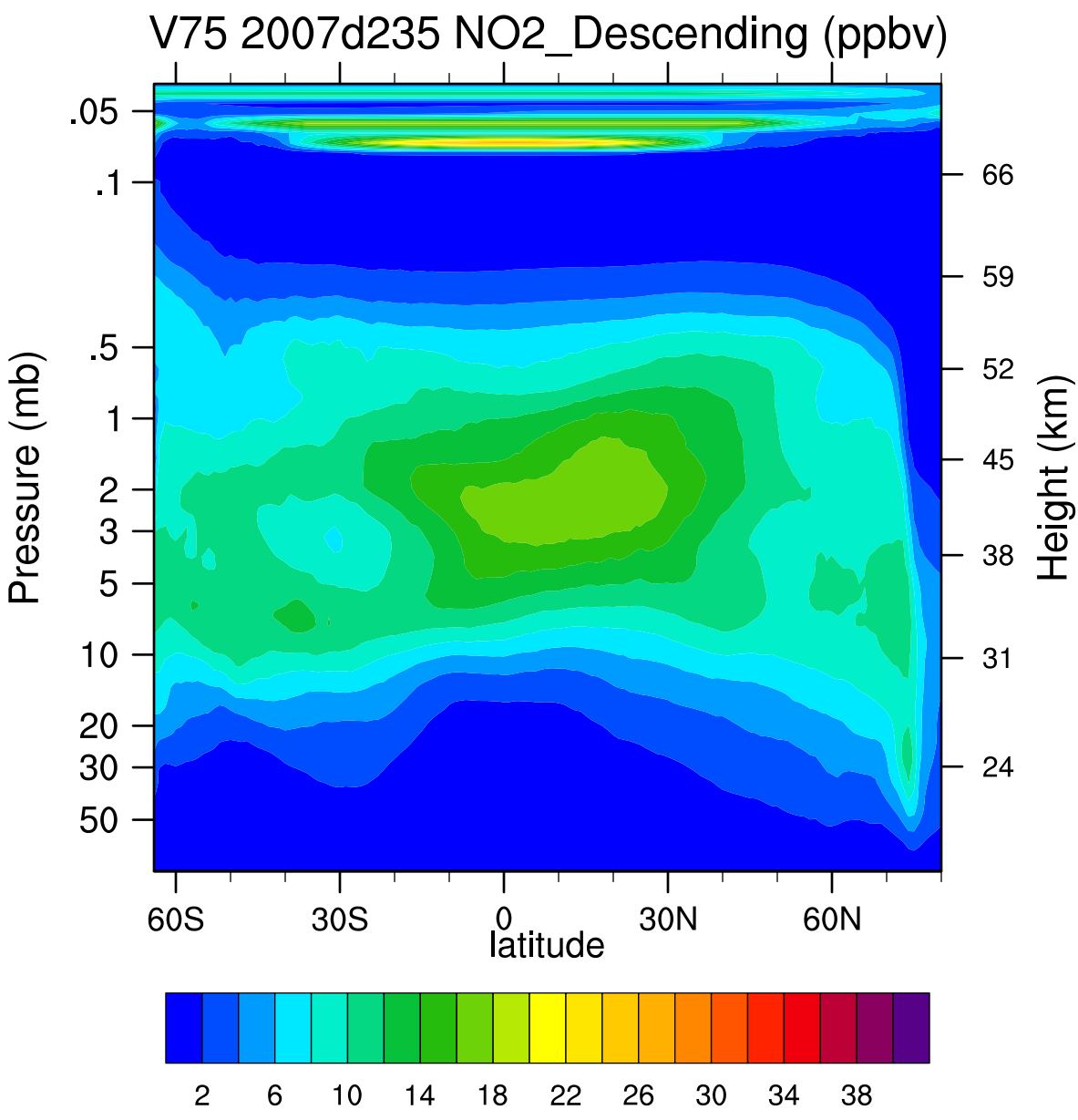
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Height (km)
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59
52
45
38
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24
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30S
0
30N
60N
latitude
2
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26
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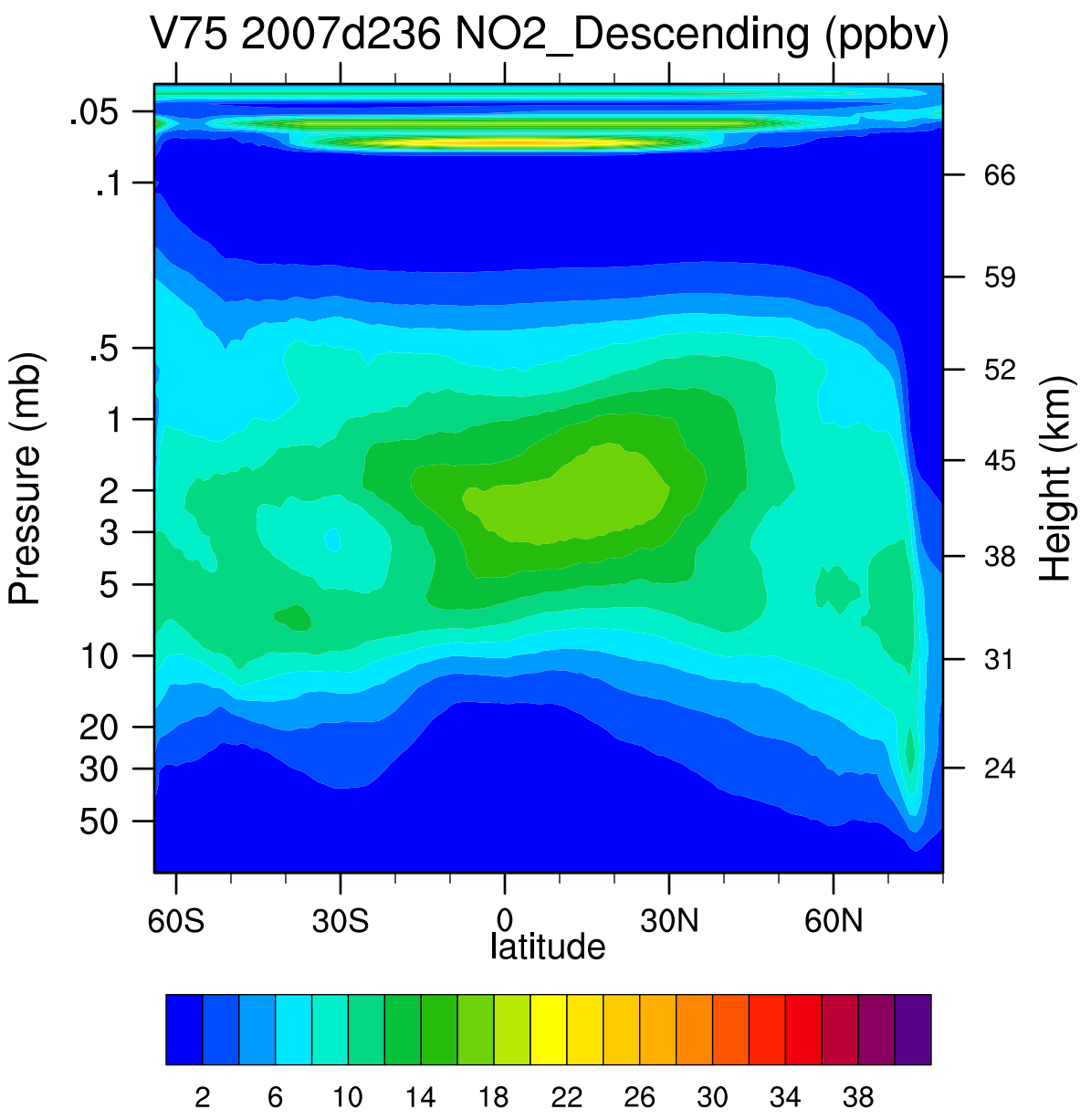
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Pressure (mb)
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59
52
45
38
31
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Height (km)
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30S
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30N
60N
latitude
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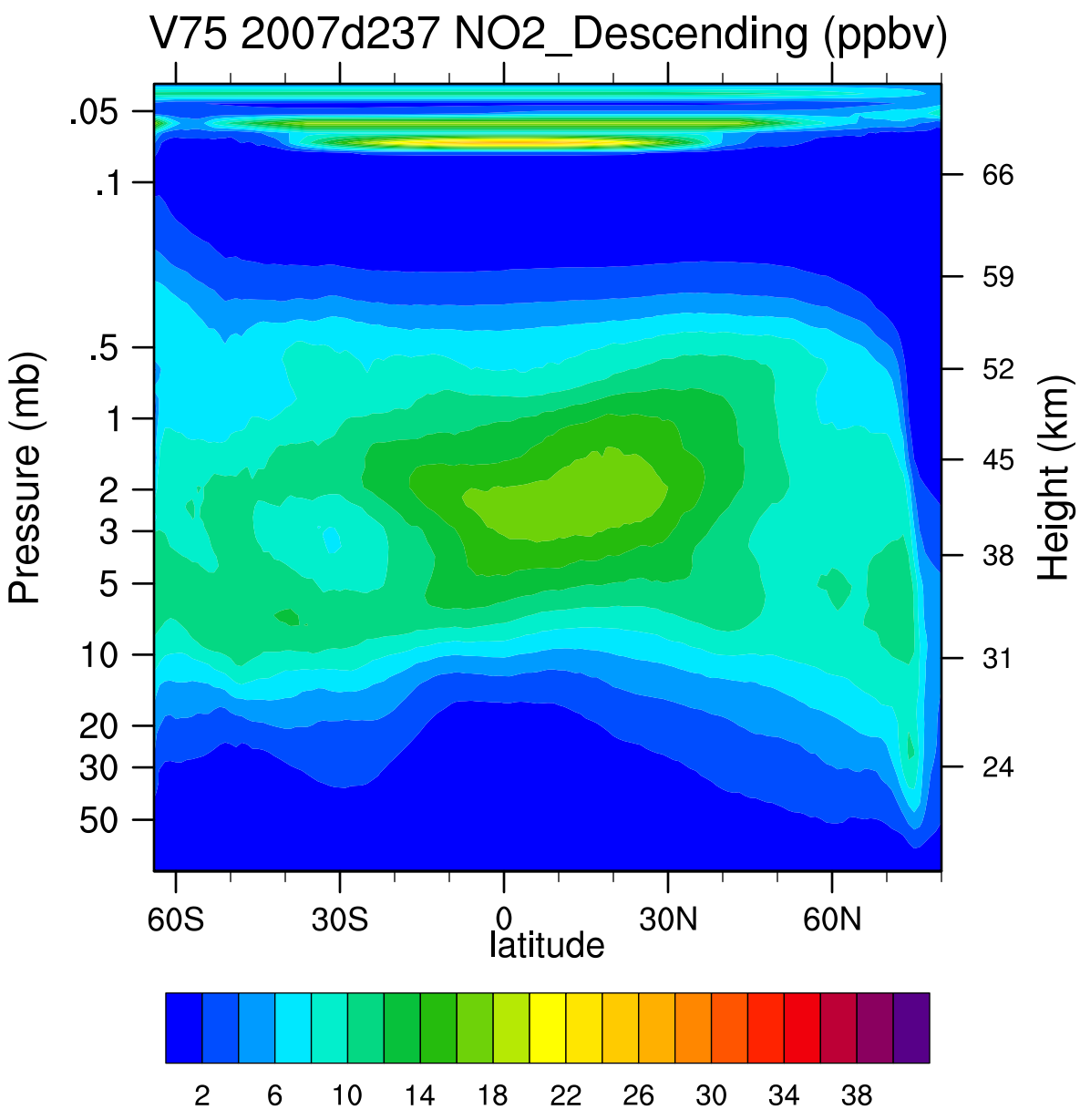
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Height (km)
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59
52
45
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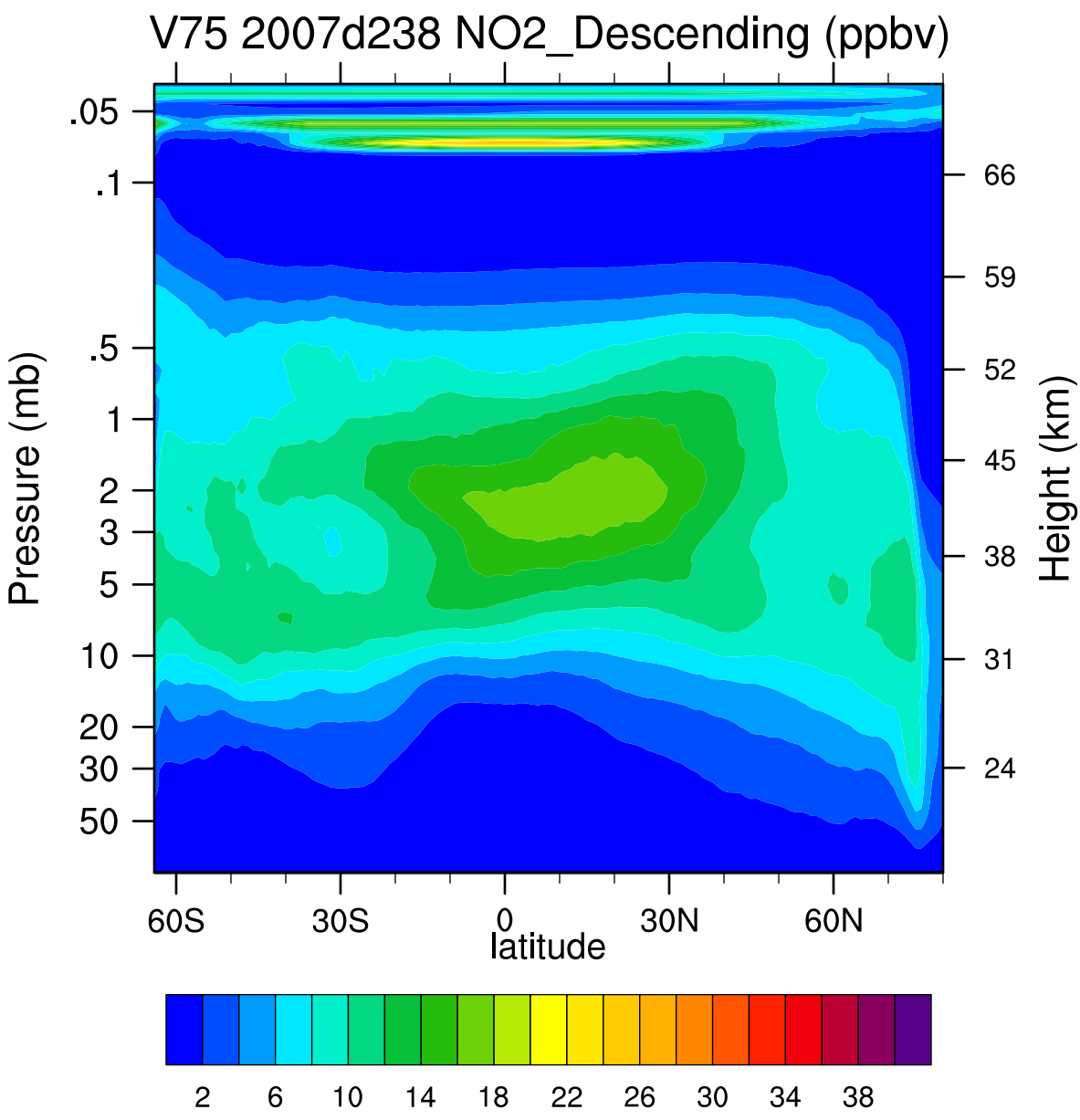
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Height (km)
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52
45
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latitude
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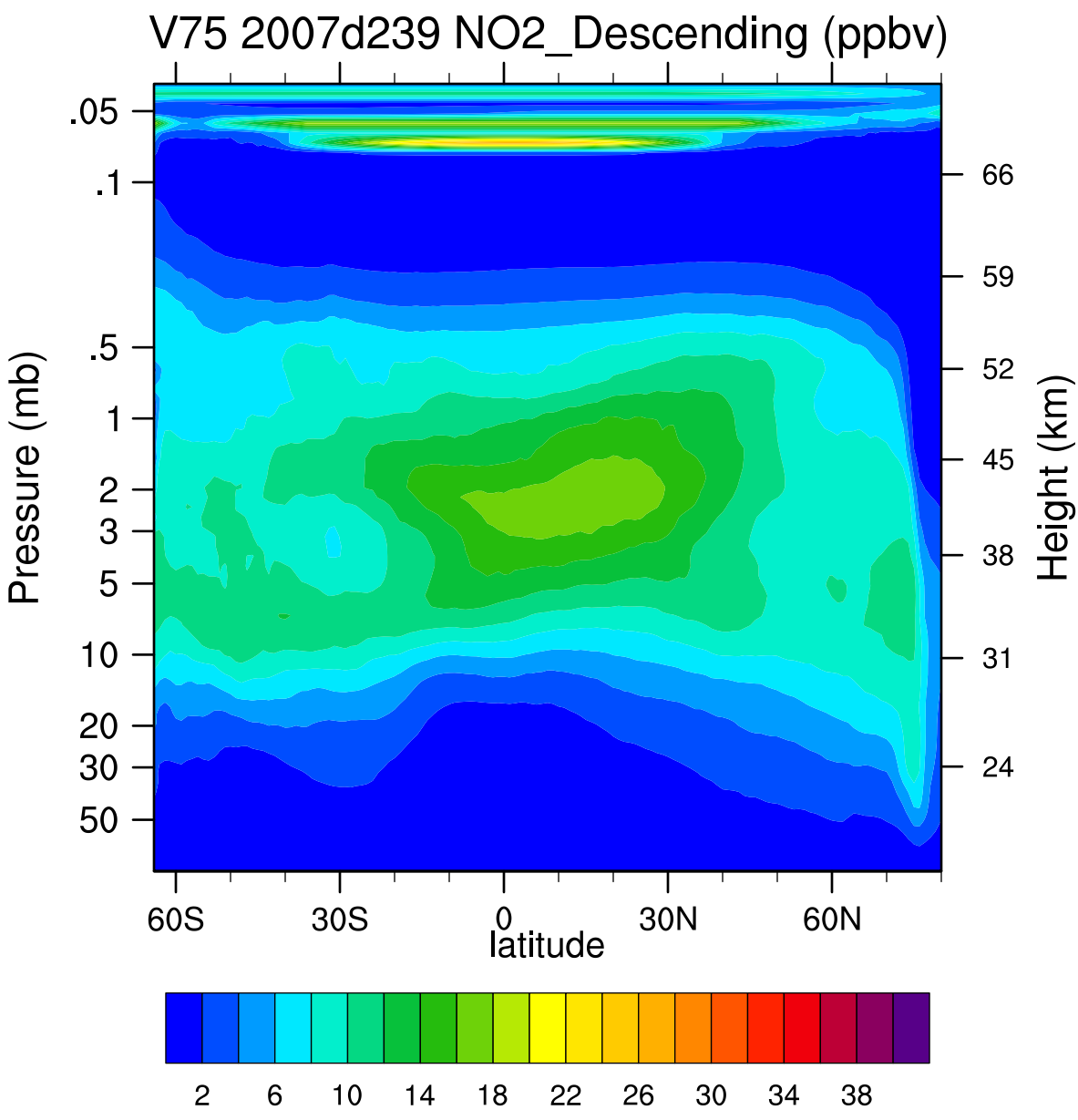
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Height (km)
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52
45
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60N
latitude
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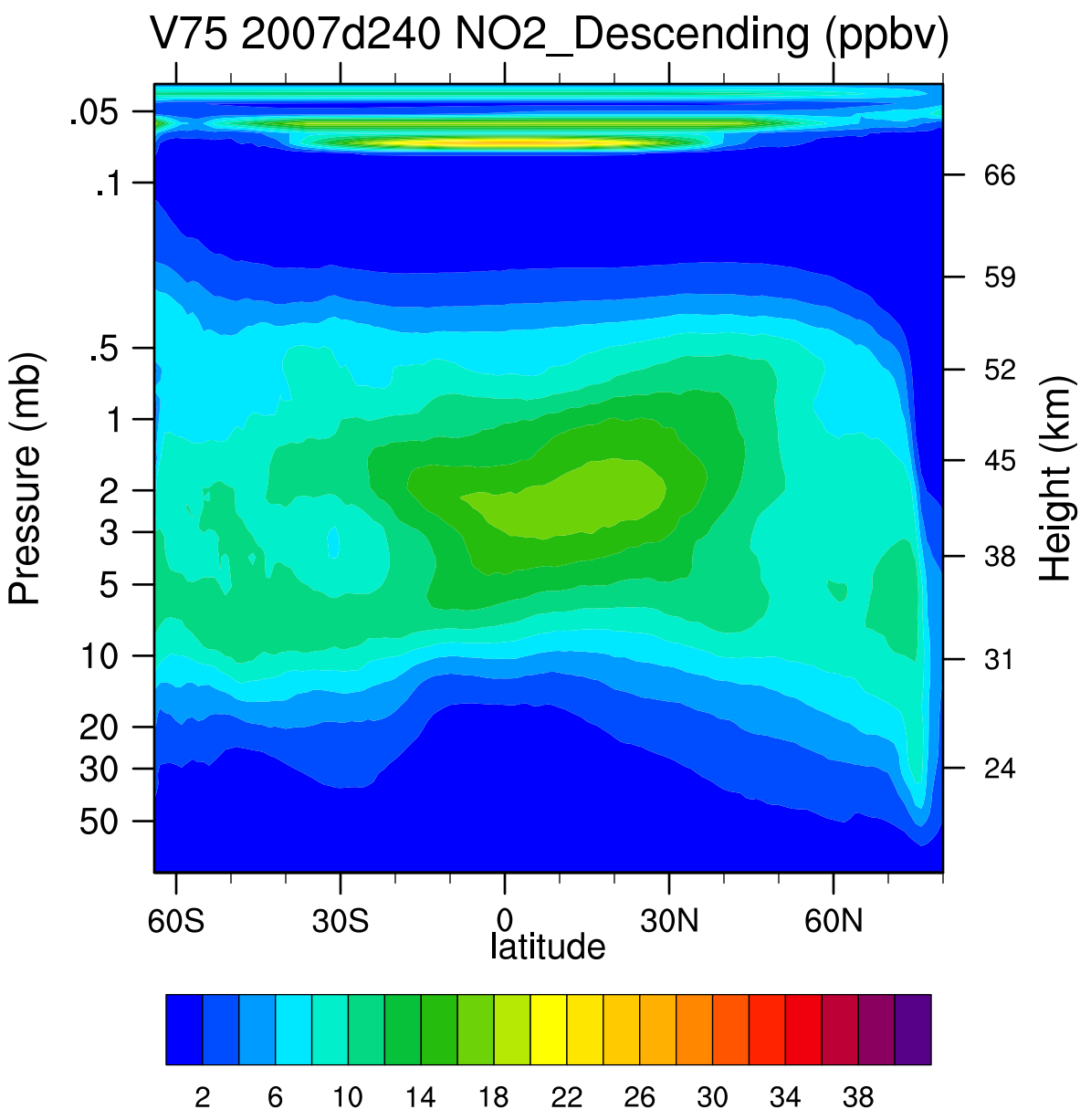
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Height (km)
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52
45
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0
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60N
latitude
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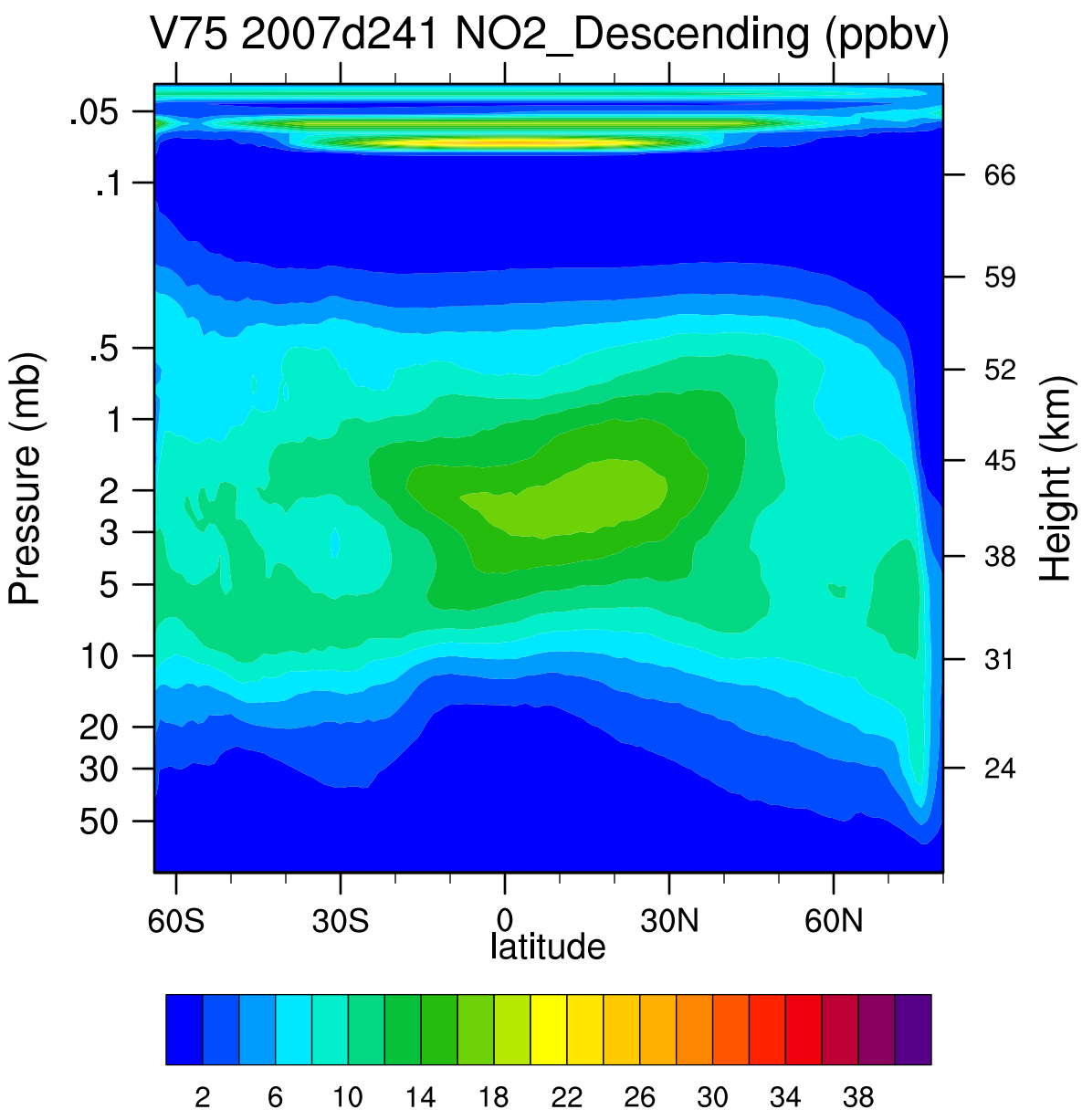
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Height (km)
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52
45
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24
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30S
0
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60N
latitude
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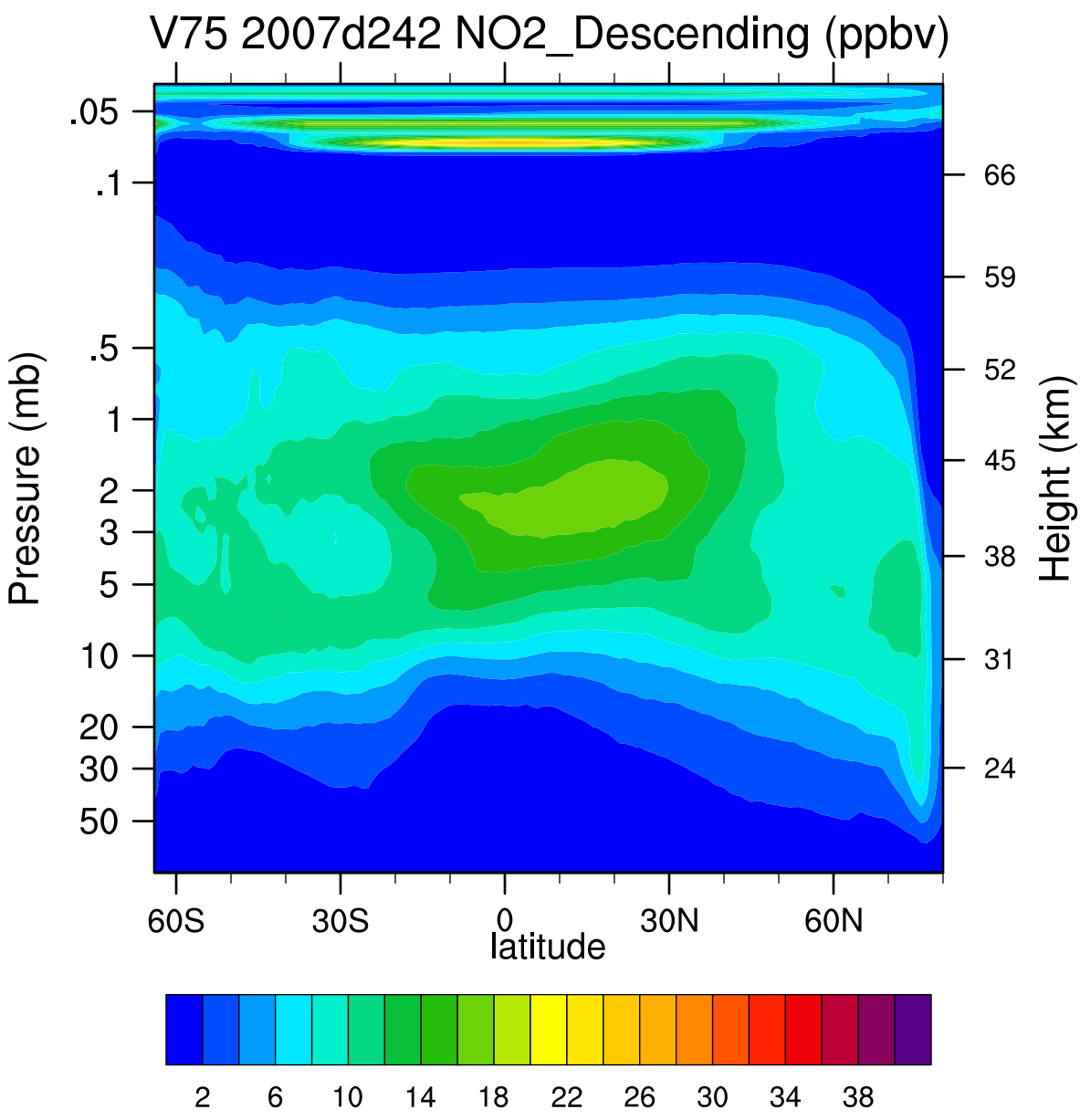
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Height (km)
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52
45
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30S
0
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60N
latitude
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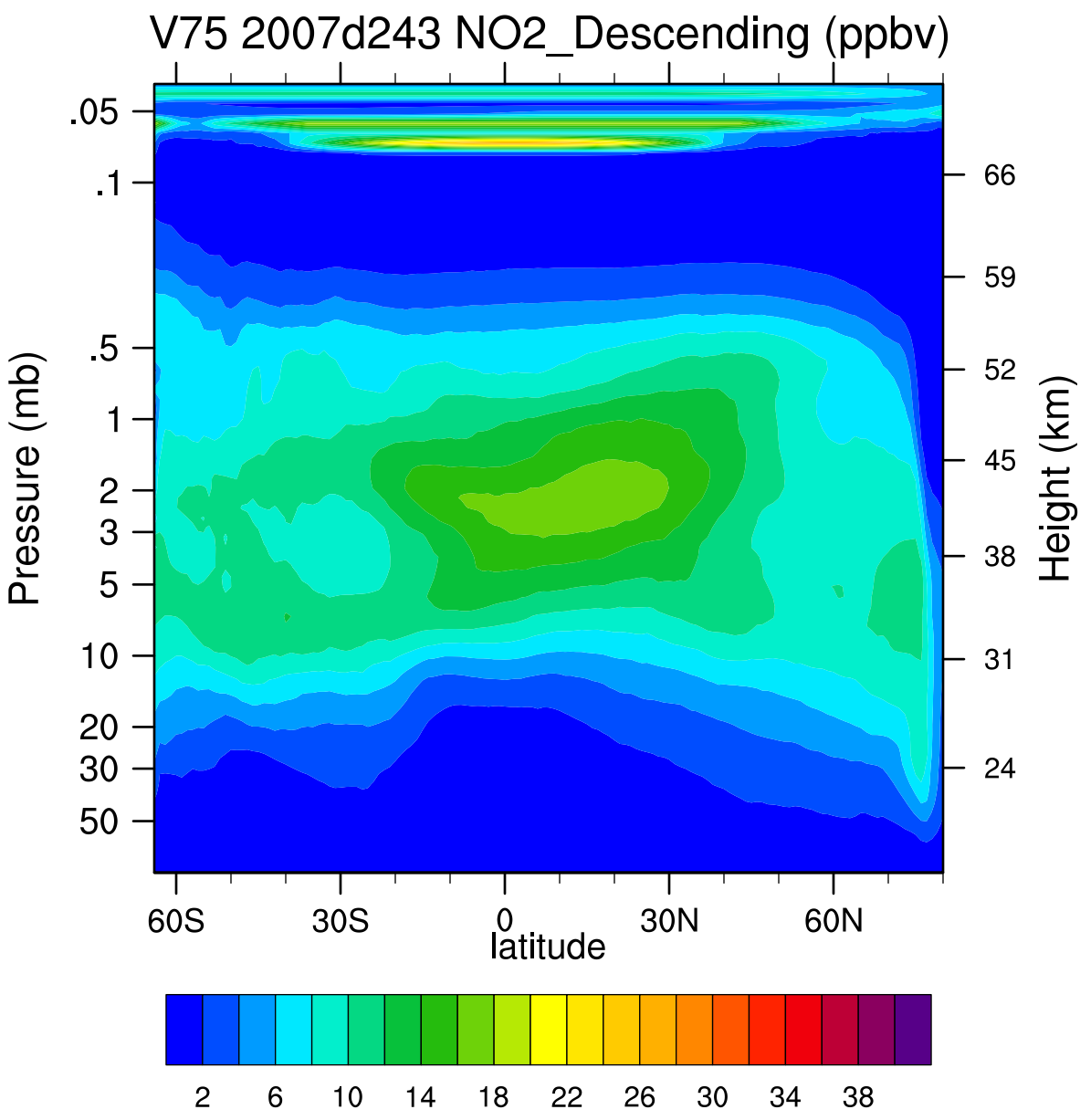
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Pressure (mb)
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38
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Height (km)
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30S
0
30N
60N
latitude
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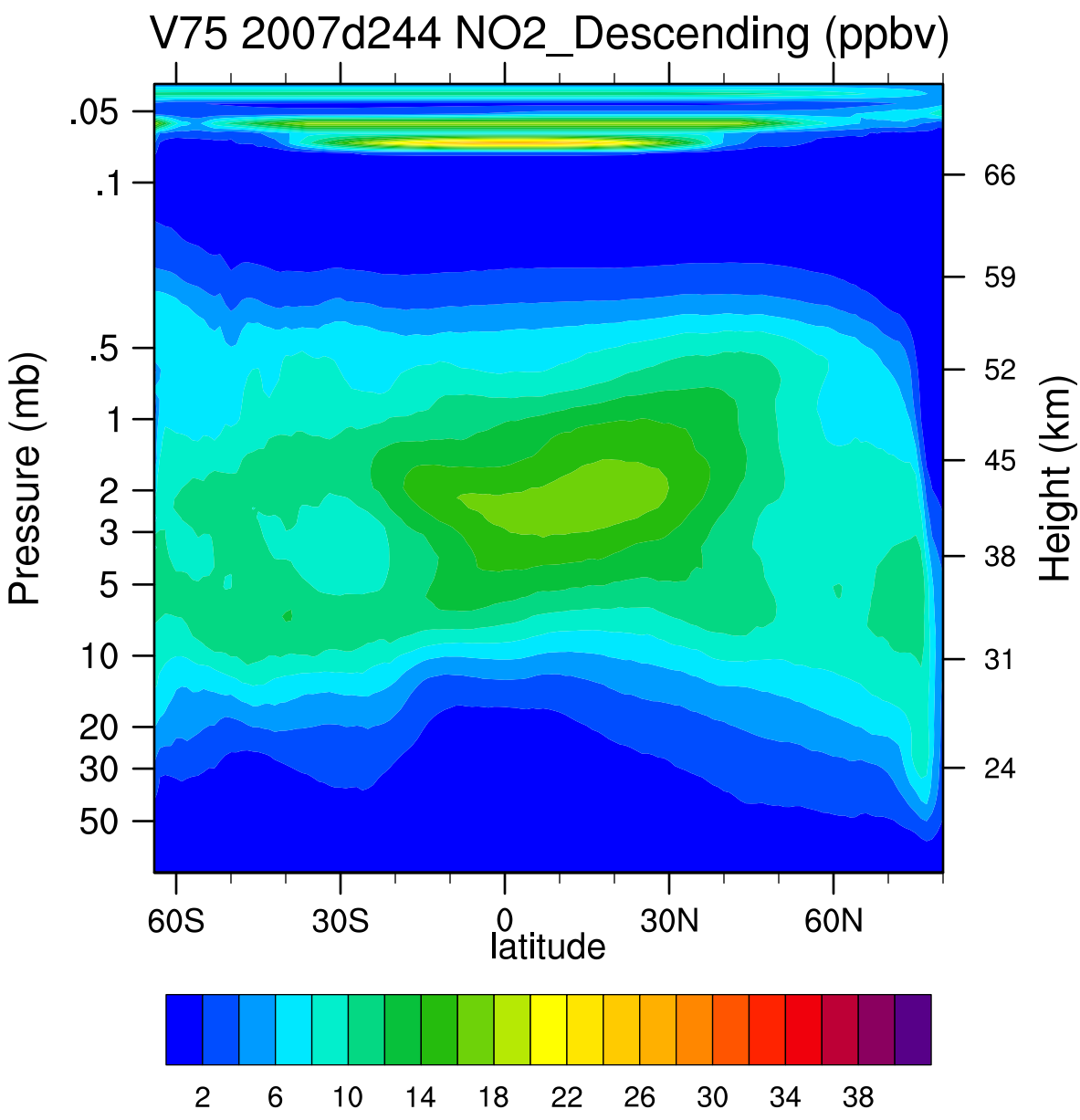
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Height (km)
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latitude
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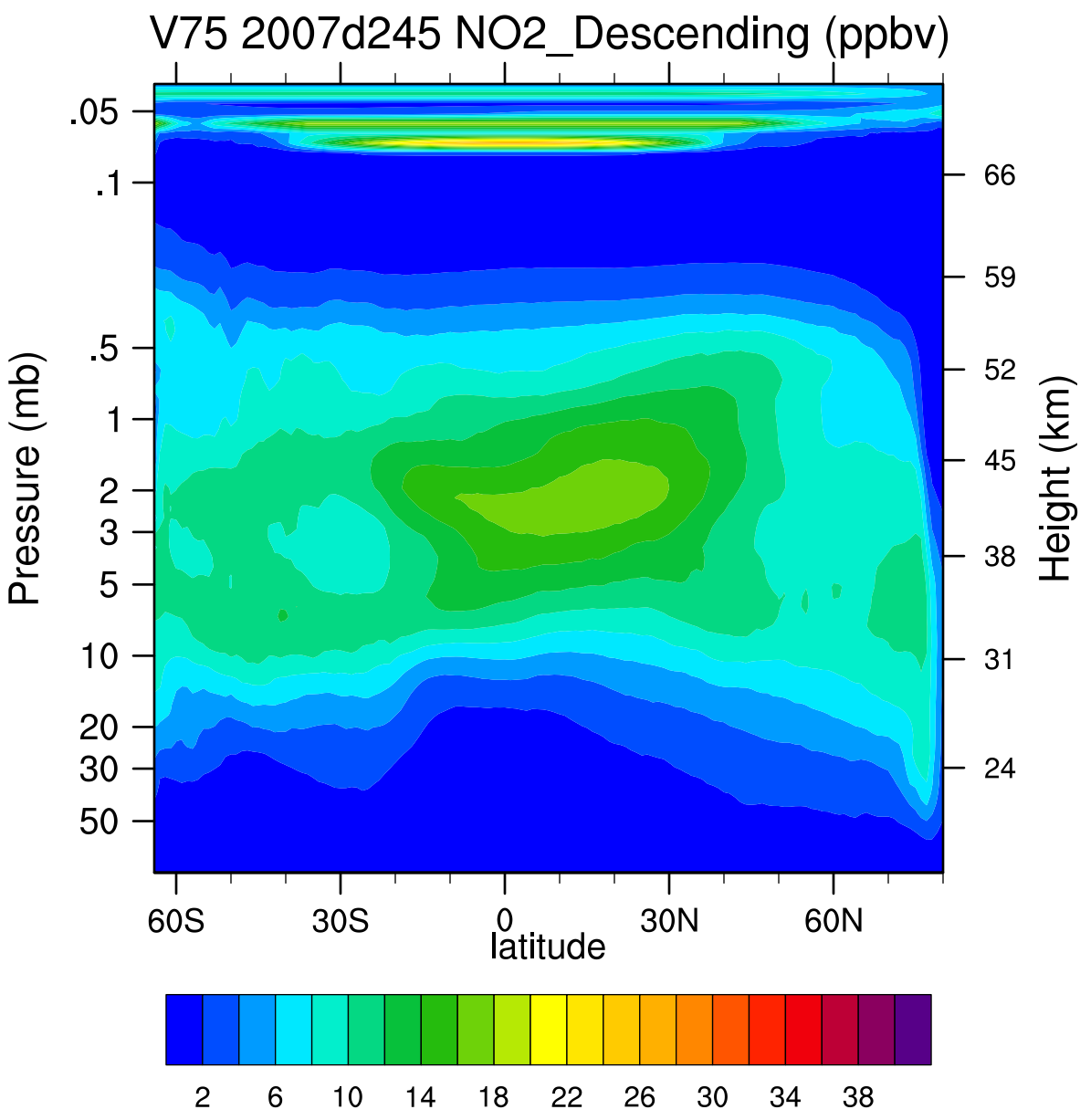
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Height (km)
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52
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0
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60N
latitude
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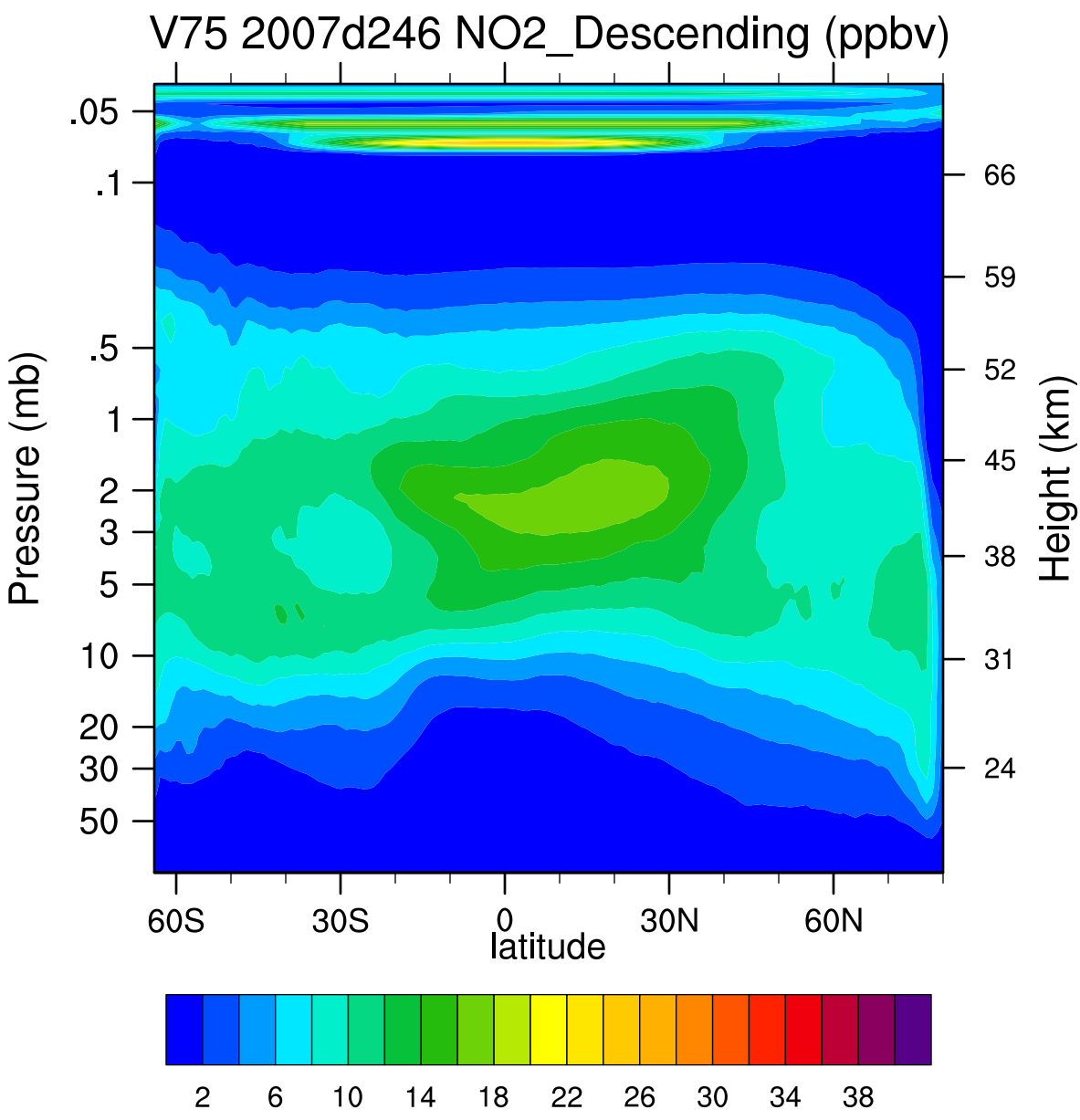
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Pressure (mb)
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38
31
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Height (km)
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30N
60N
latitude
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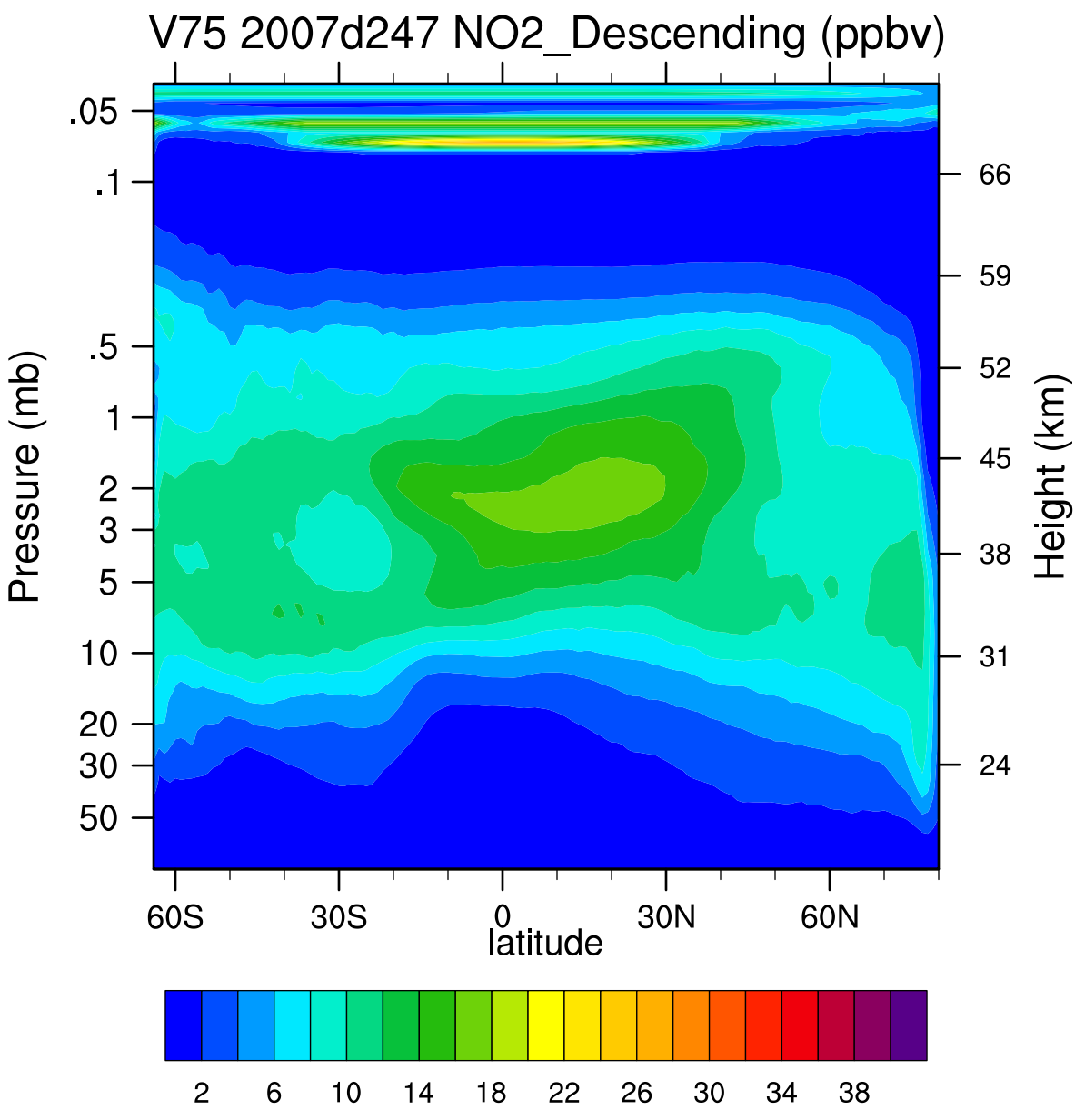
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Height (km)
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59
52
45
38
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30N
60N
latitude
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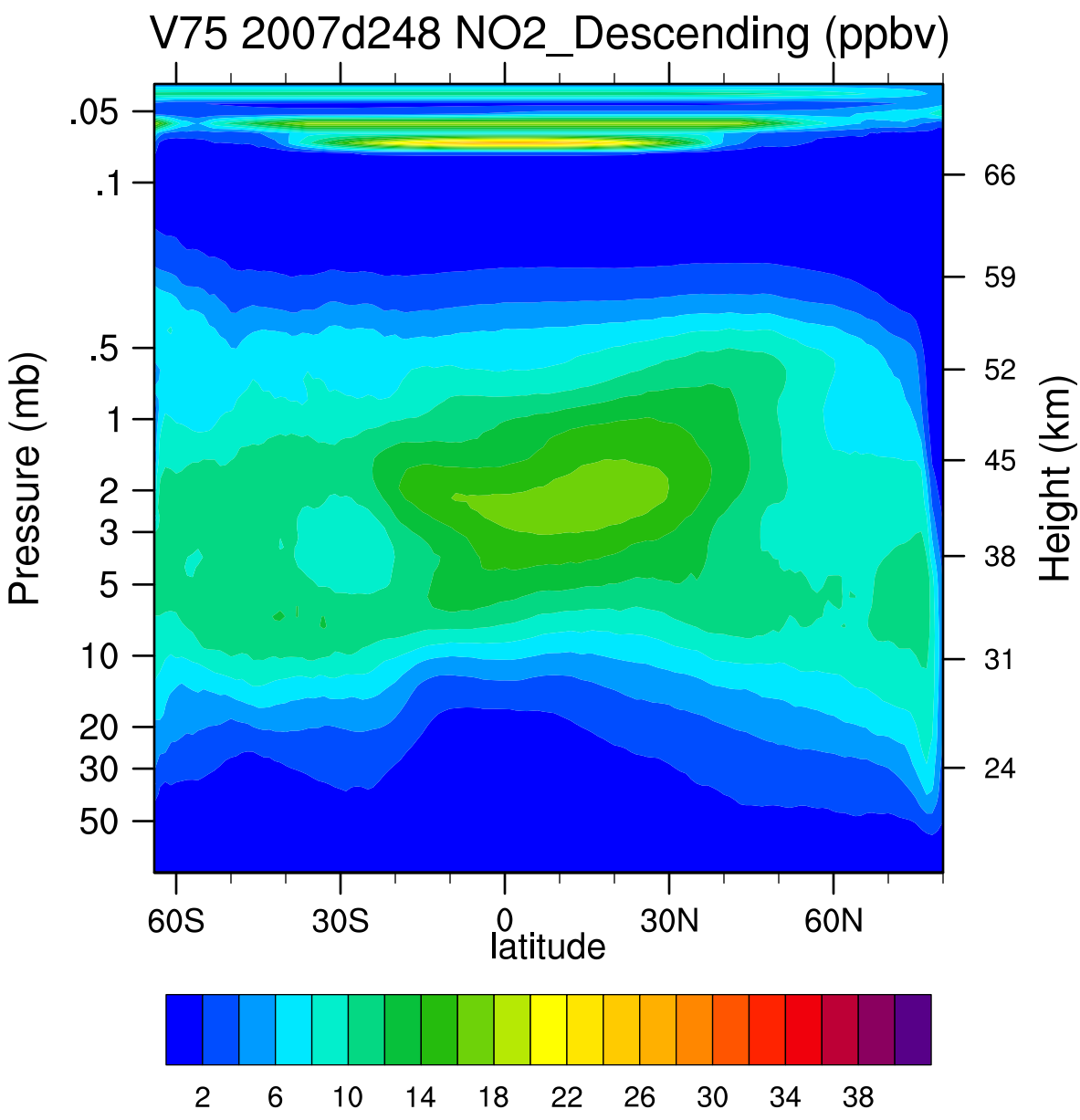
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Height (km)
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59
52
45
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60S
30S
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30N
60N
latitude
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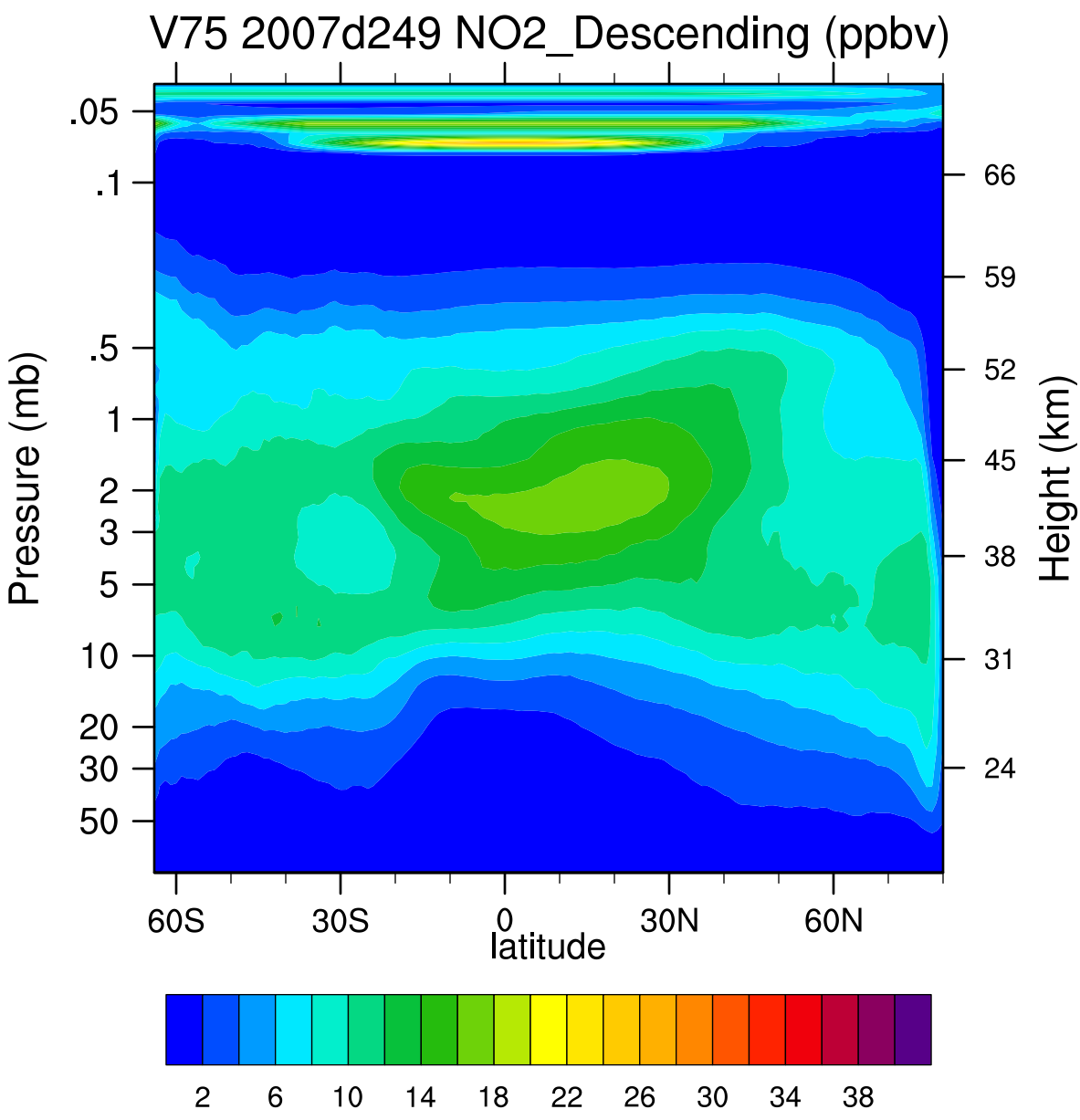
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.1
.5
1
2
3
5
10
20
30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
60S
30S
0
30N
60N
latitude
2
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10
14
18
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26
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34
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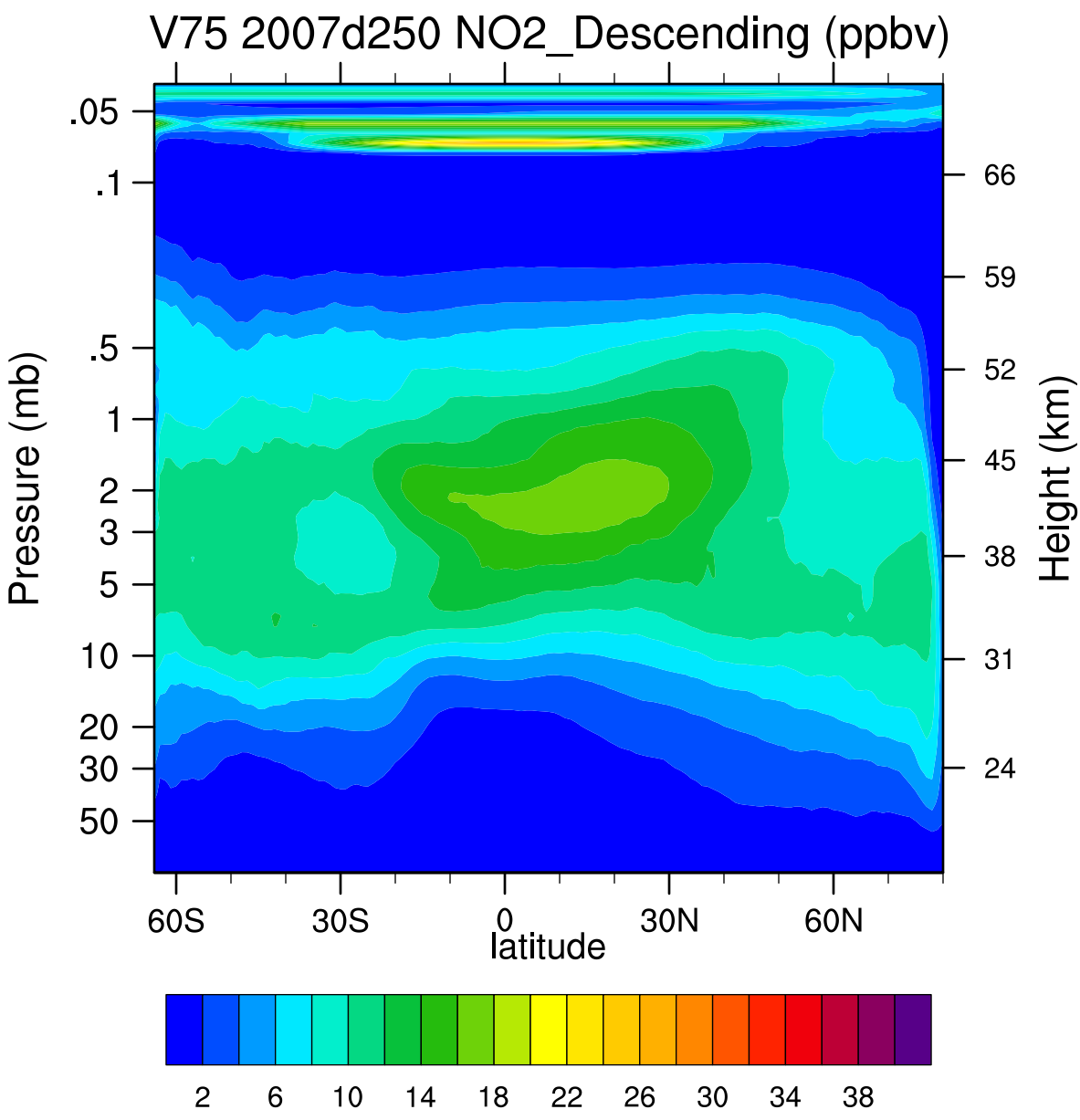
V75 2007d250 NO2_Descending (ppbv)
Pressure (mb)
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.1
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1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
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10
14
18
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26
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34
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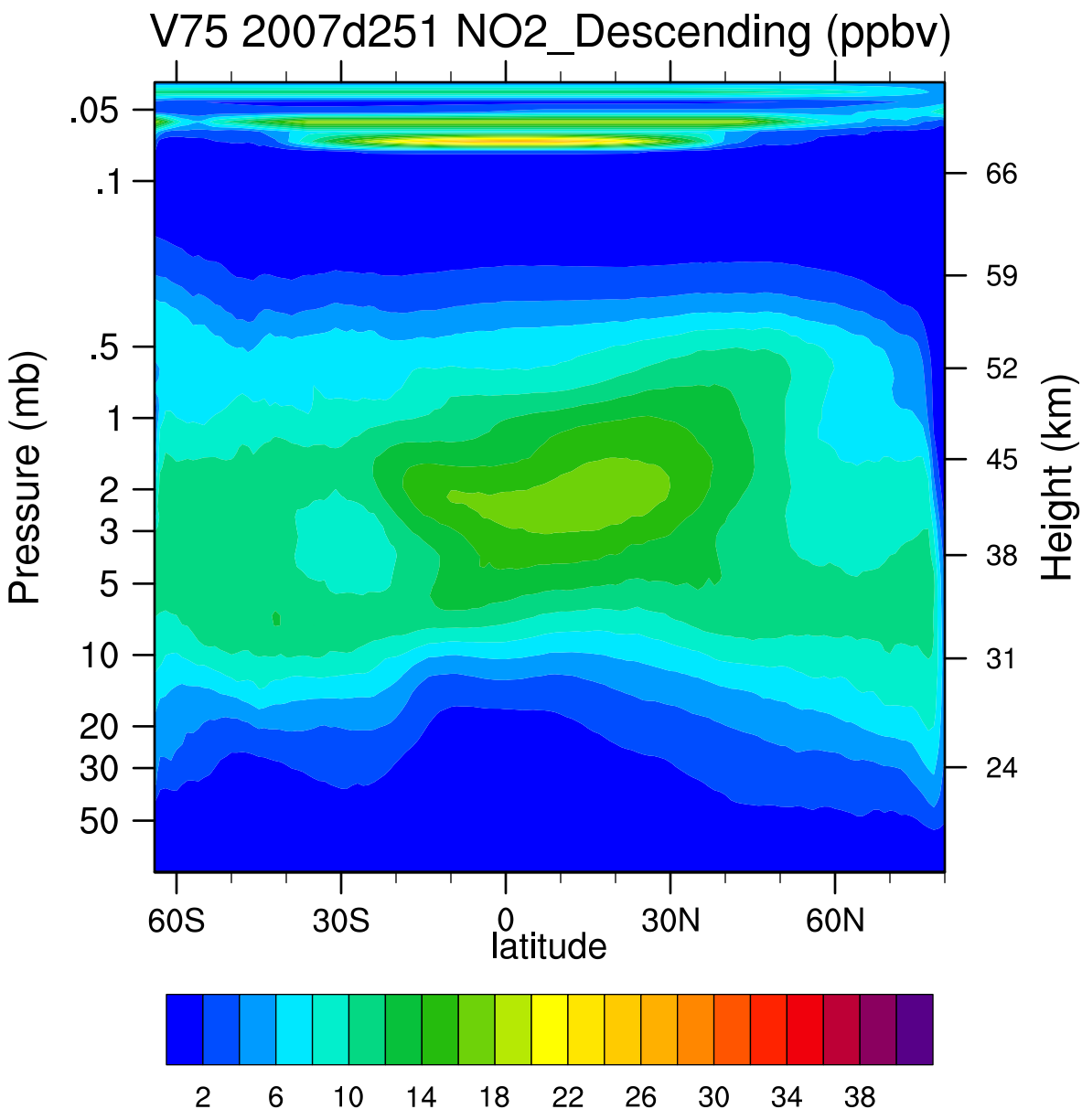
V75 2007d251 NO2_Descending (ppbv)
Pressure (mb)
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2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
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10
14
18
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26
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34
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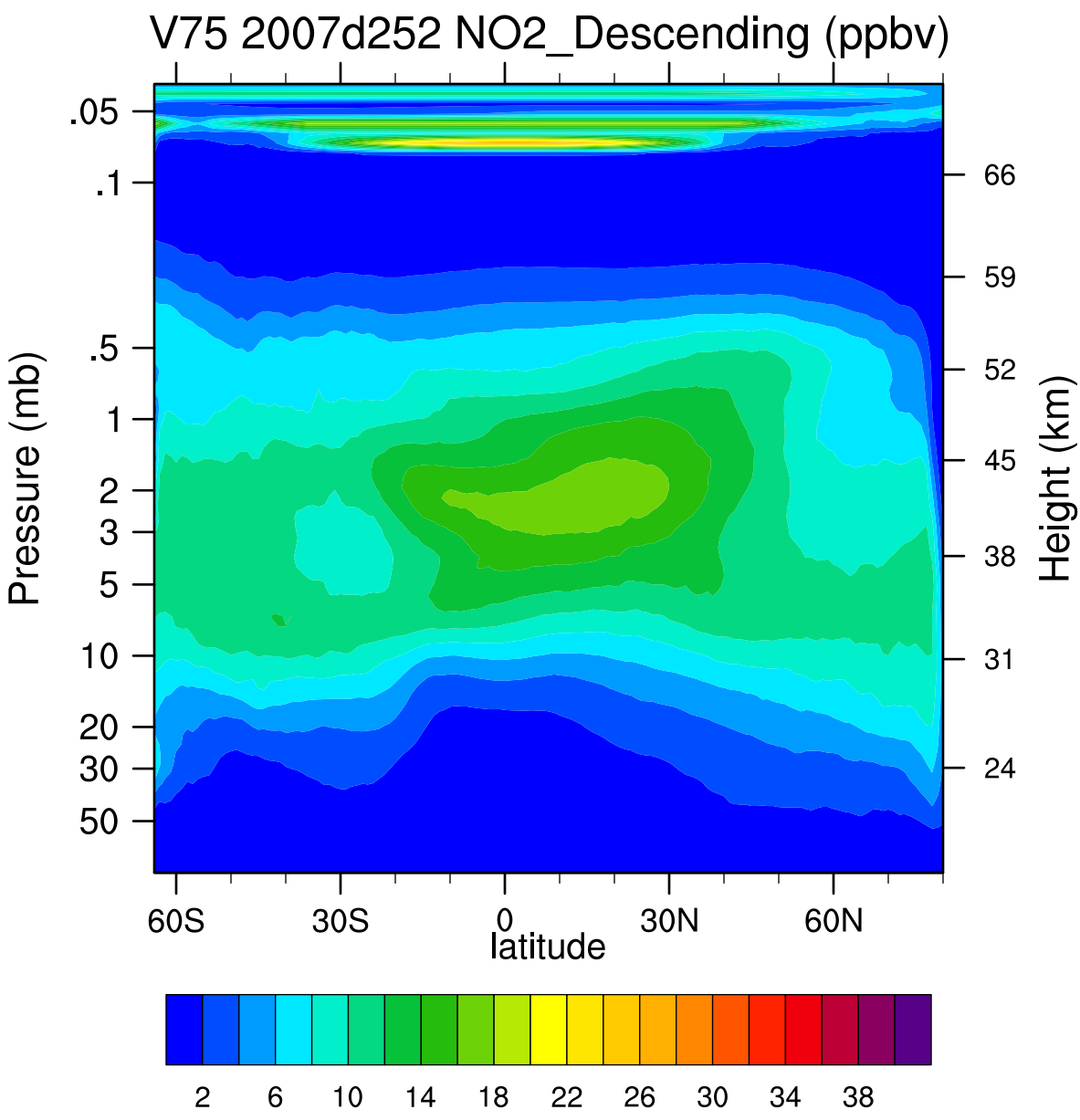
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Pressure (mb)
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5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
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10
14
18
22
26
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34
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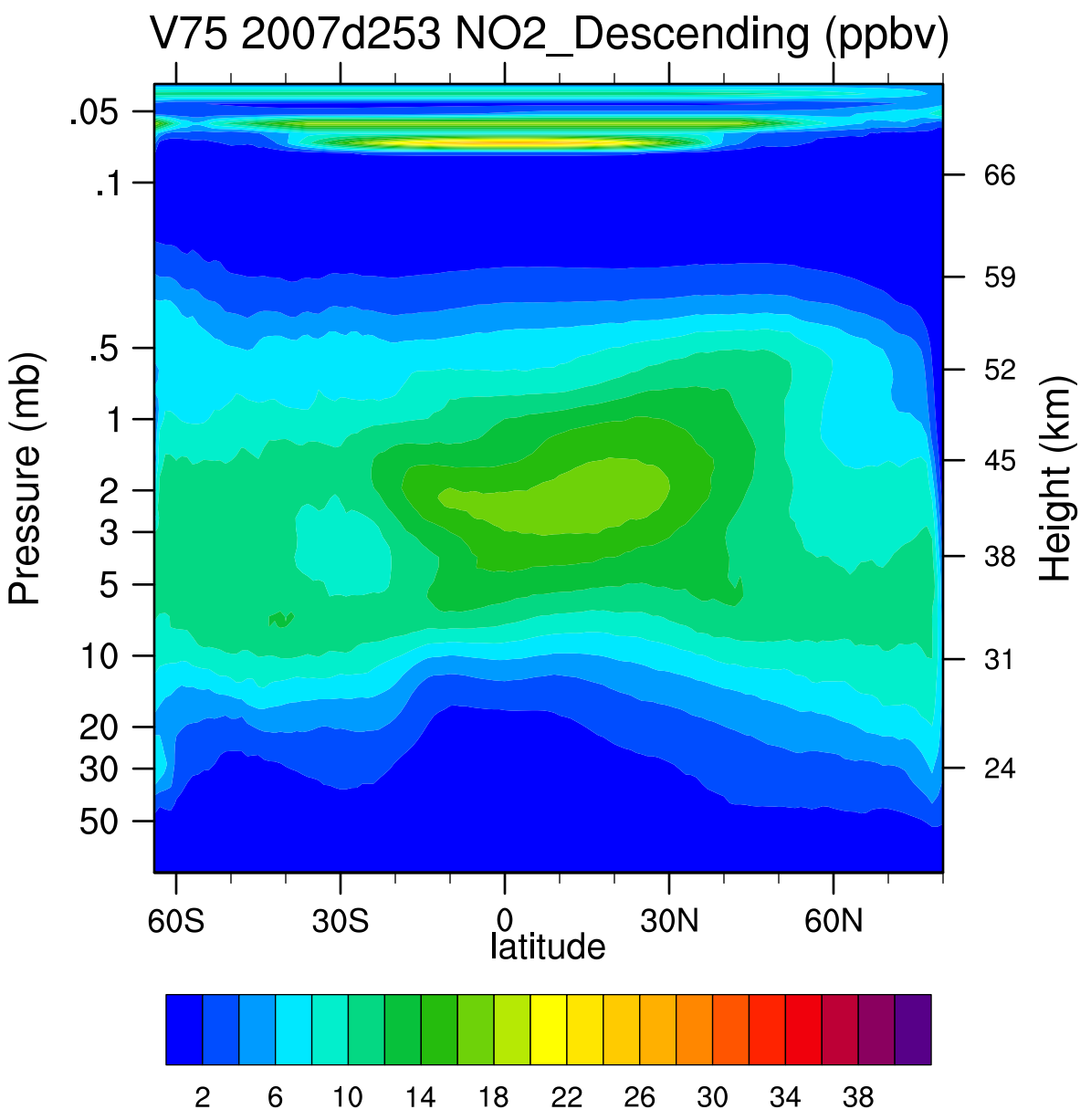
V75 2007d253 NO2_Descending (ppbv)
Pressure (mb)
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5
10
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30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
6
10
14
18
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26
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34
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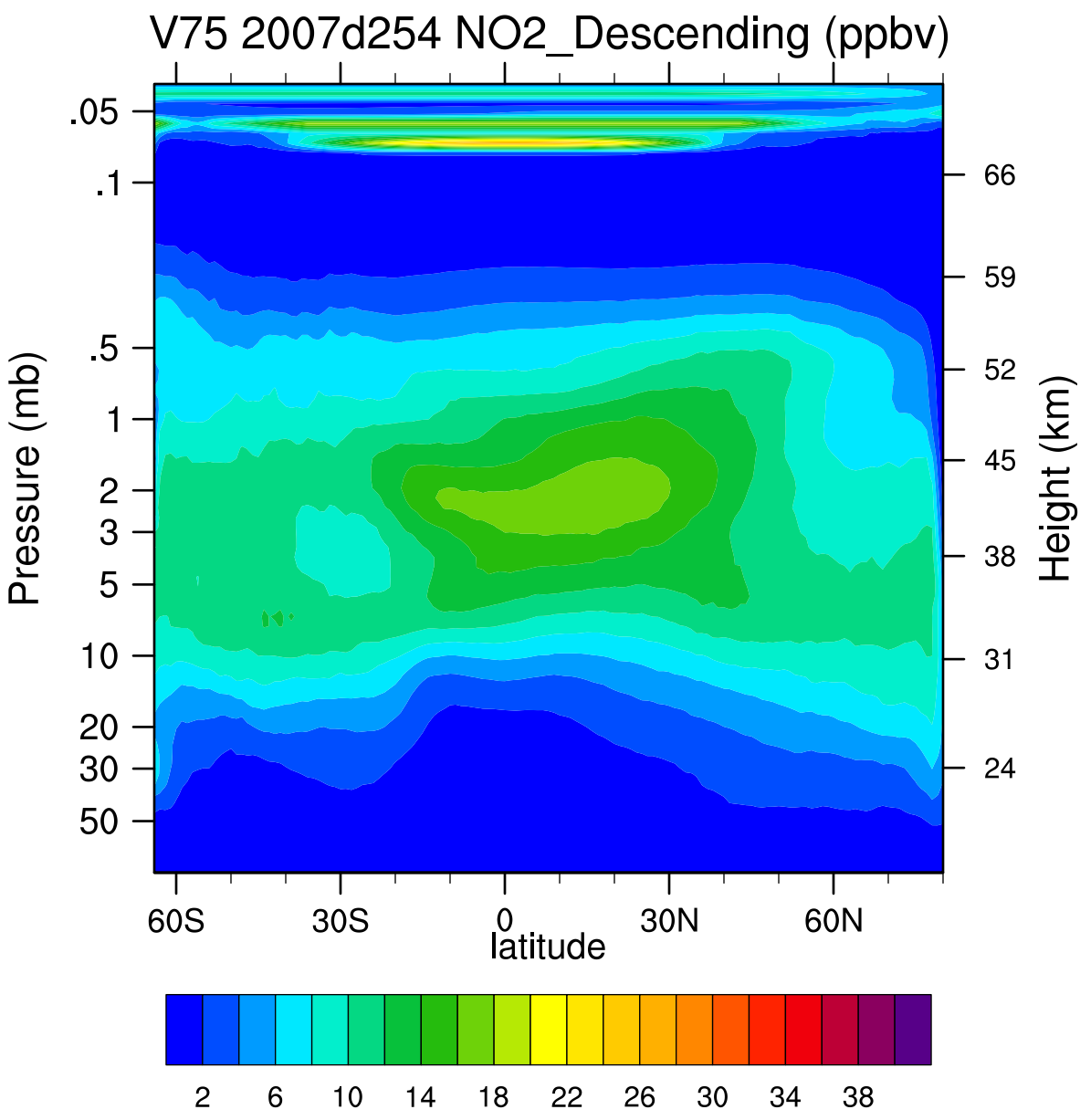
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2
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Pressure (mb)
66
59
52
45
38
31
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Height (km)
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30S
0
30N
60N
latitude
2
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10
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26
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34
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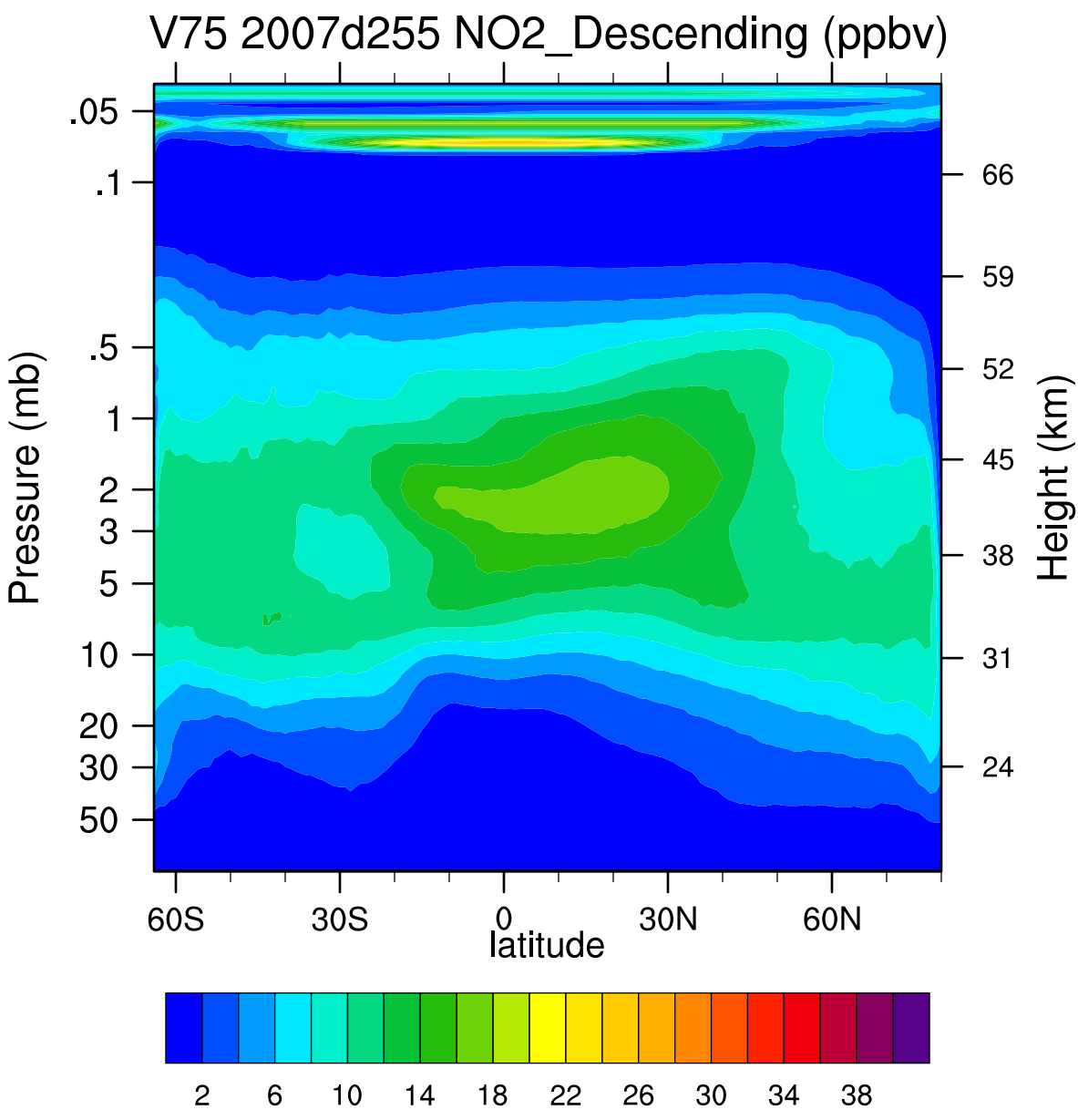
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Pressure (mb)
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5
10
20
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50
Height (km)
66
59
52
45
38
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24
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30S
0
30N
60N
latitude
2
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10
14
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26
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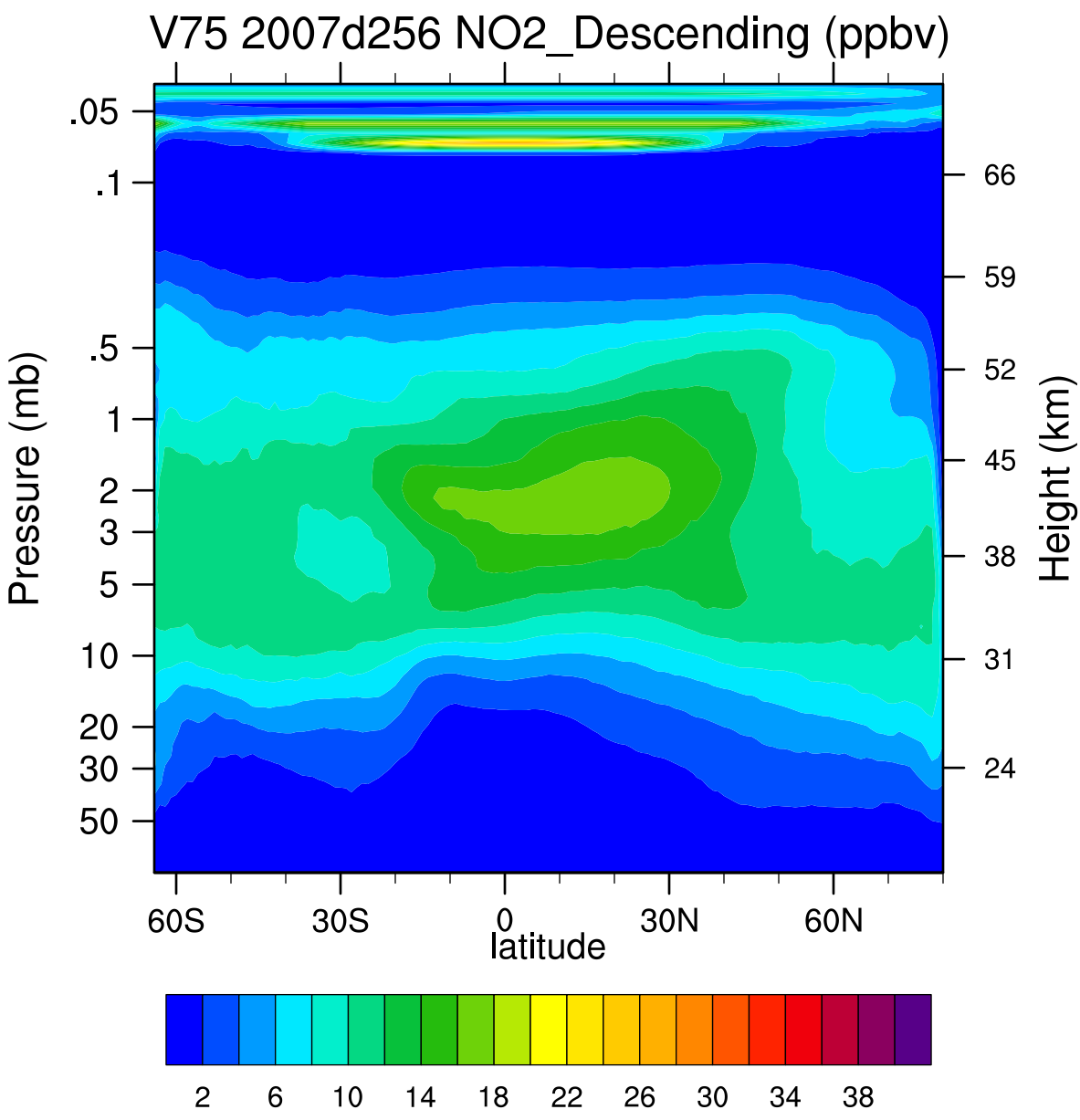
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Pressure (mb)
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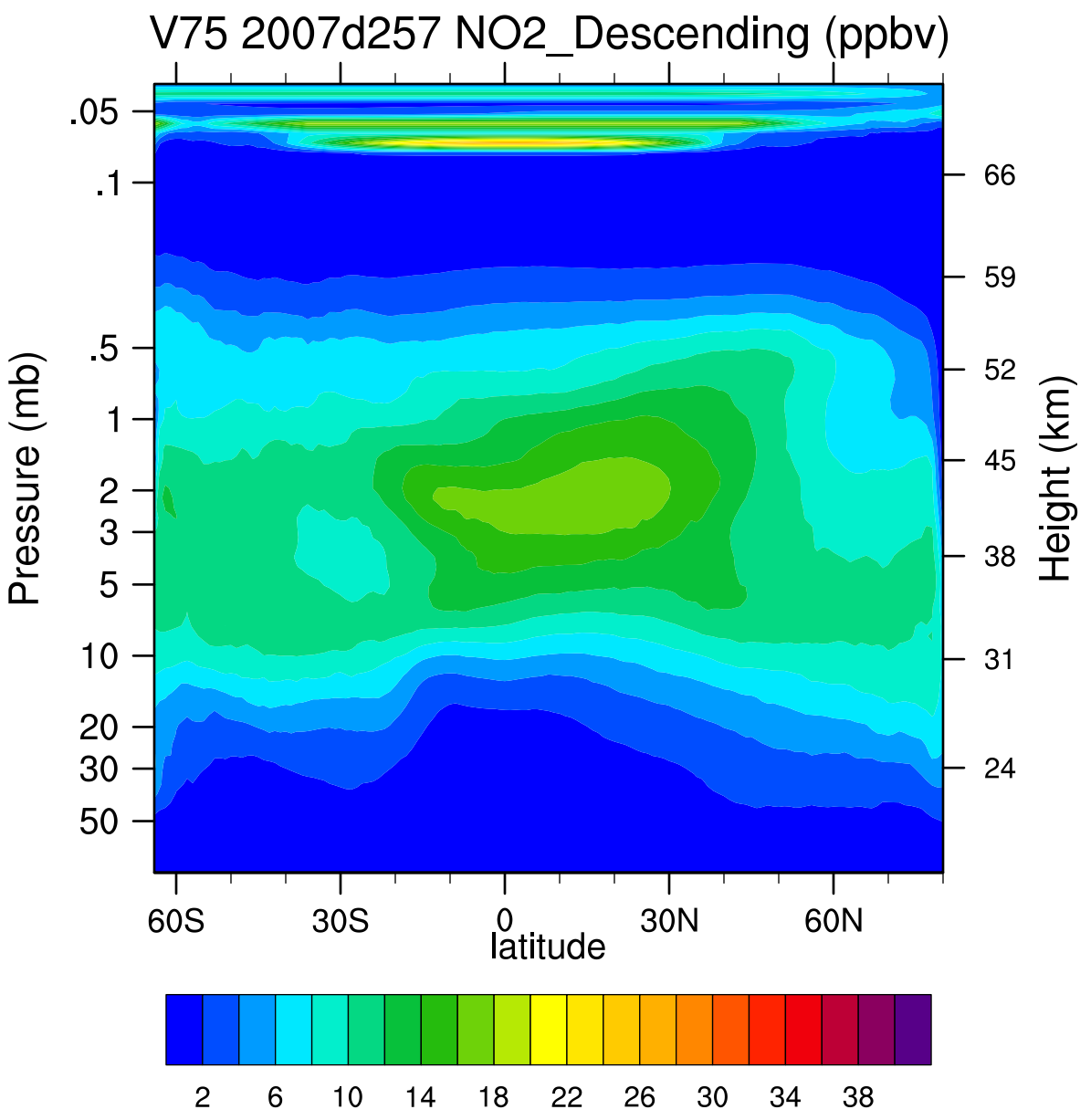
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38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Pressure (mb)
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1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
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34
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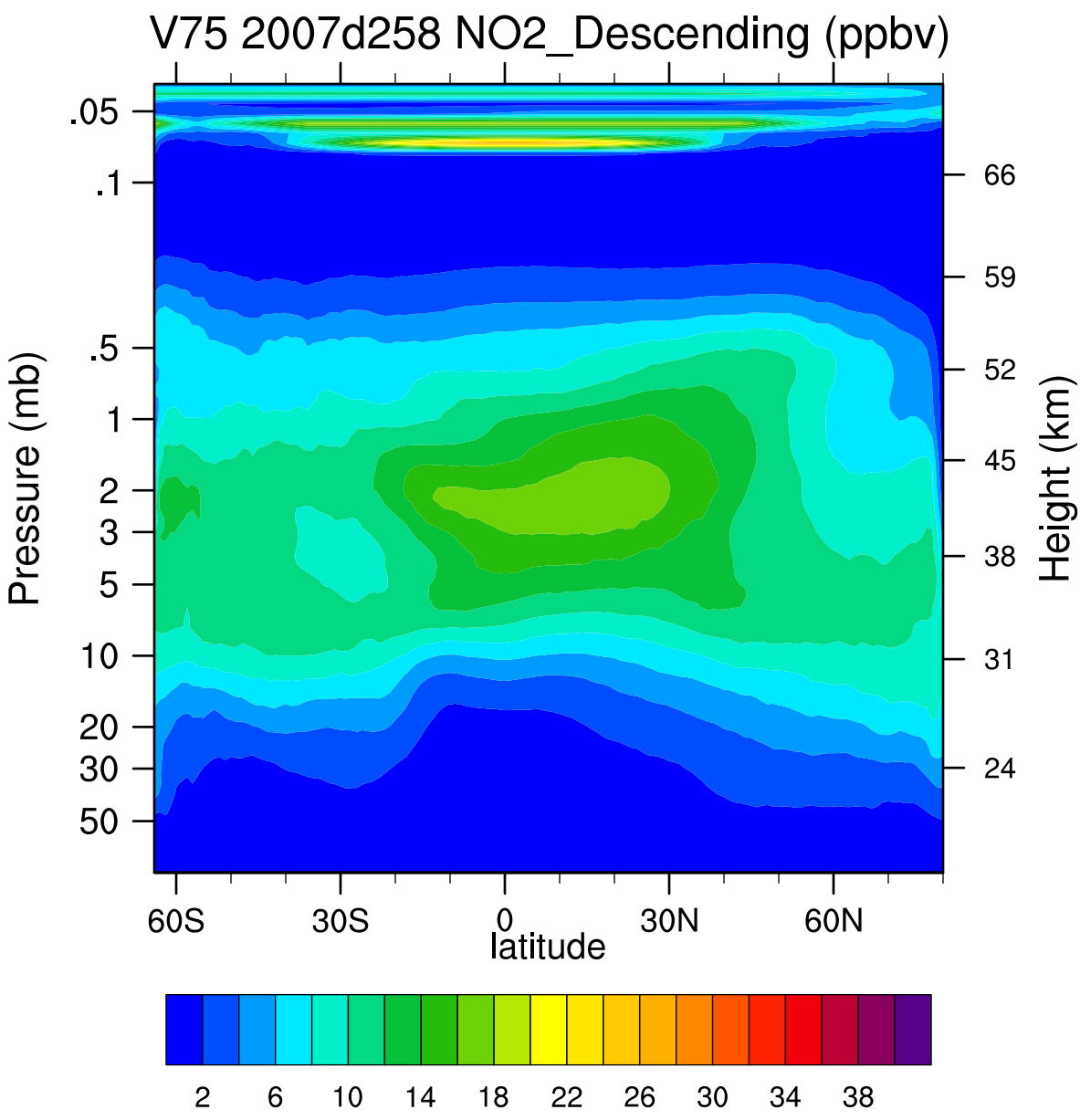
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Pressure (mb)
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5
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20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
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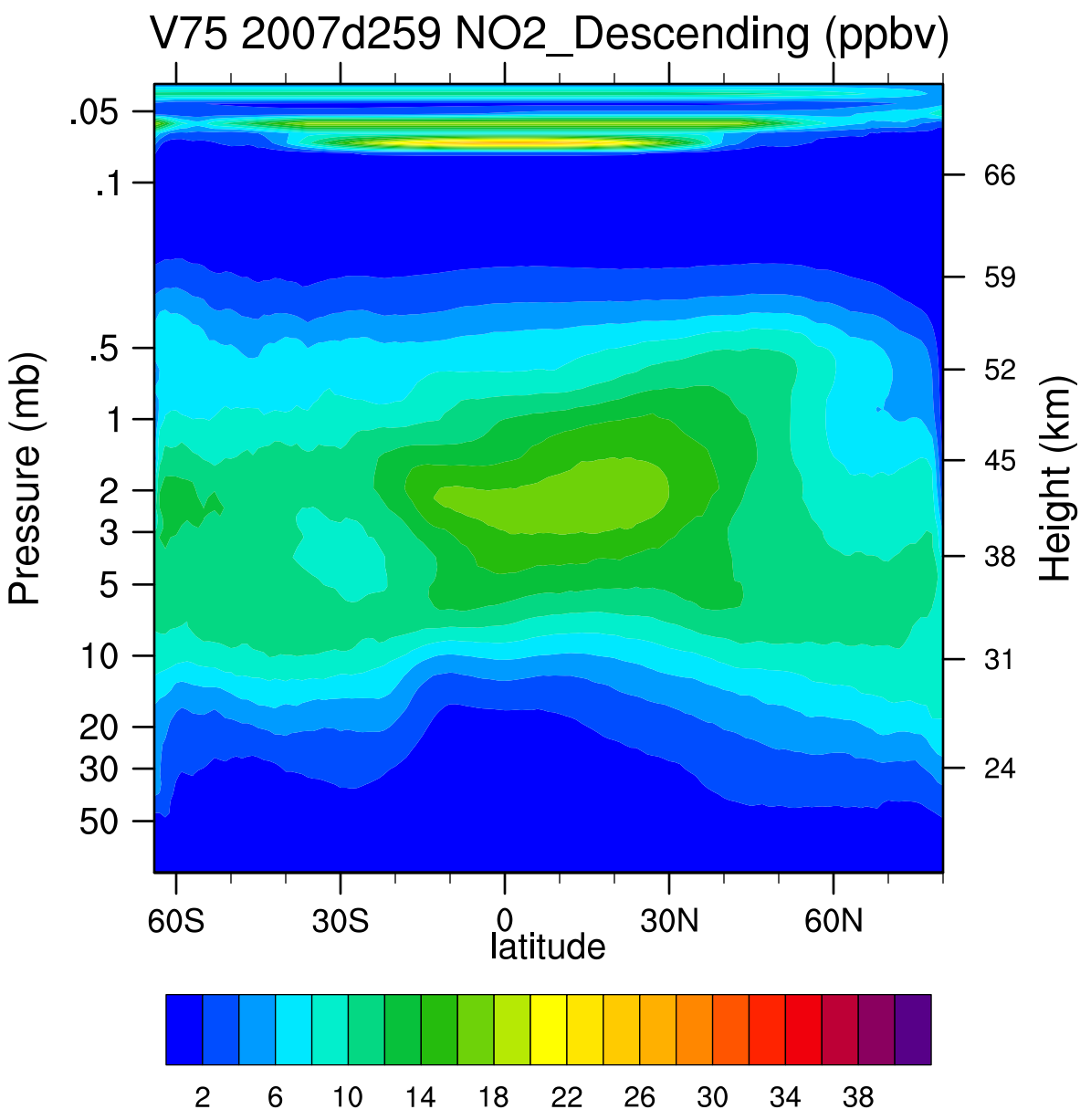
34
38


V75 2007d259 NO2_Descending (ppbv)
Pressure (mb)
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2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
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22
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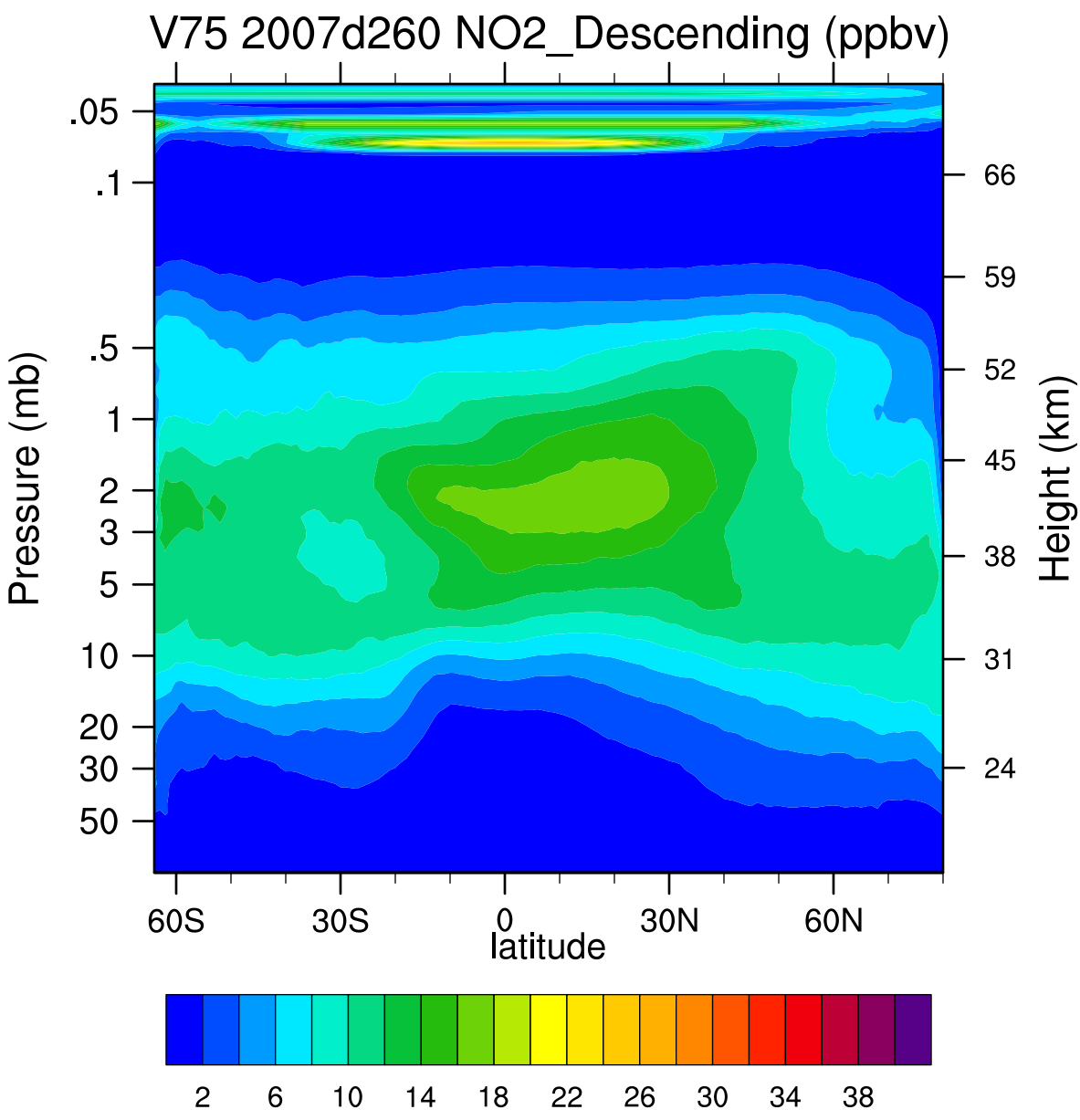
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Pressure (mb)
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3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
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10
14
18
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26
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34
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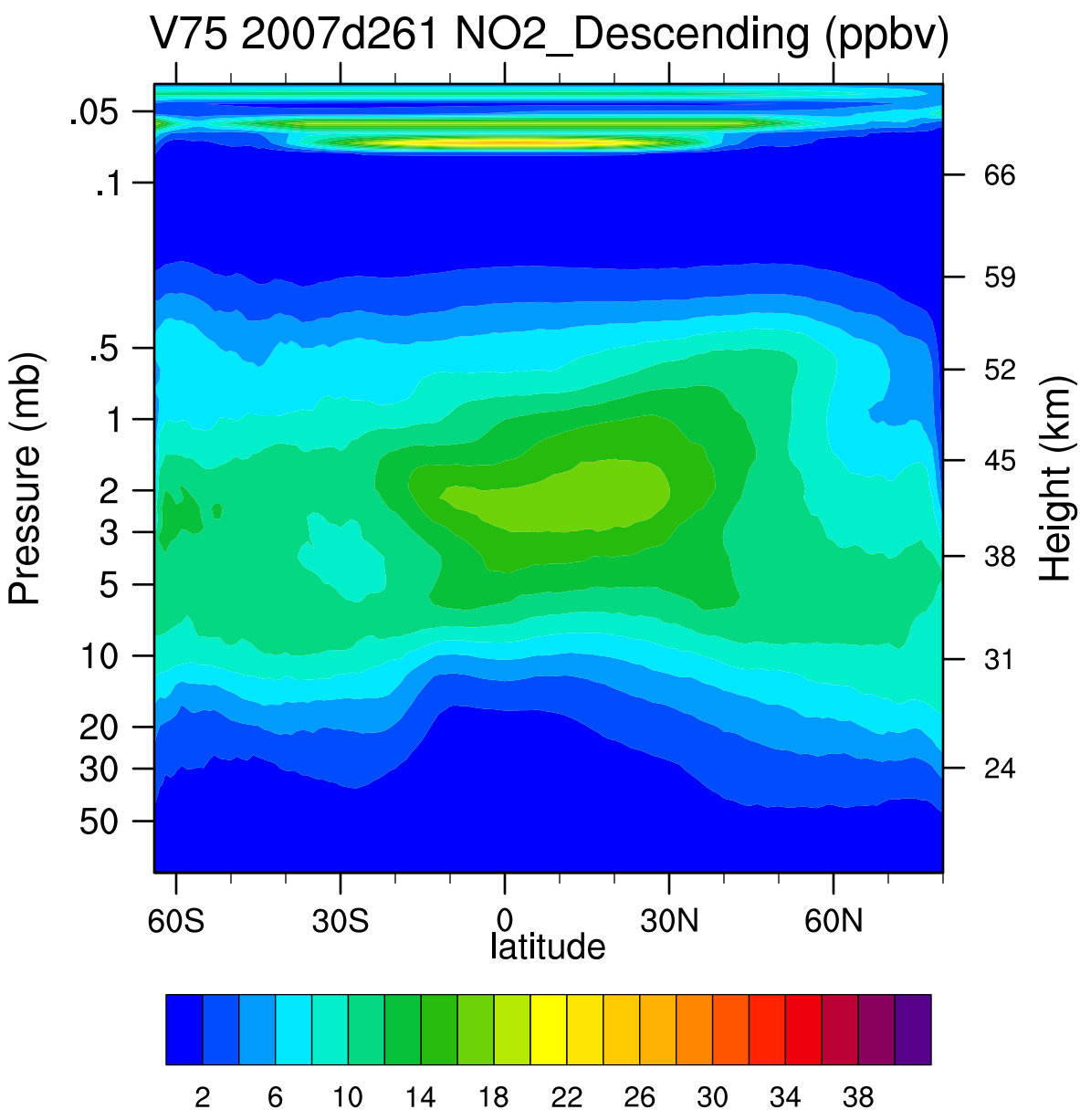
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30
50
Pressure (mb)
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59
52
45
38
31
24
Height (km)
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30S
0
30N
60N
latitude
2
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10
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18
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26
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34
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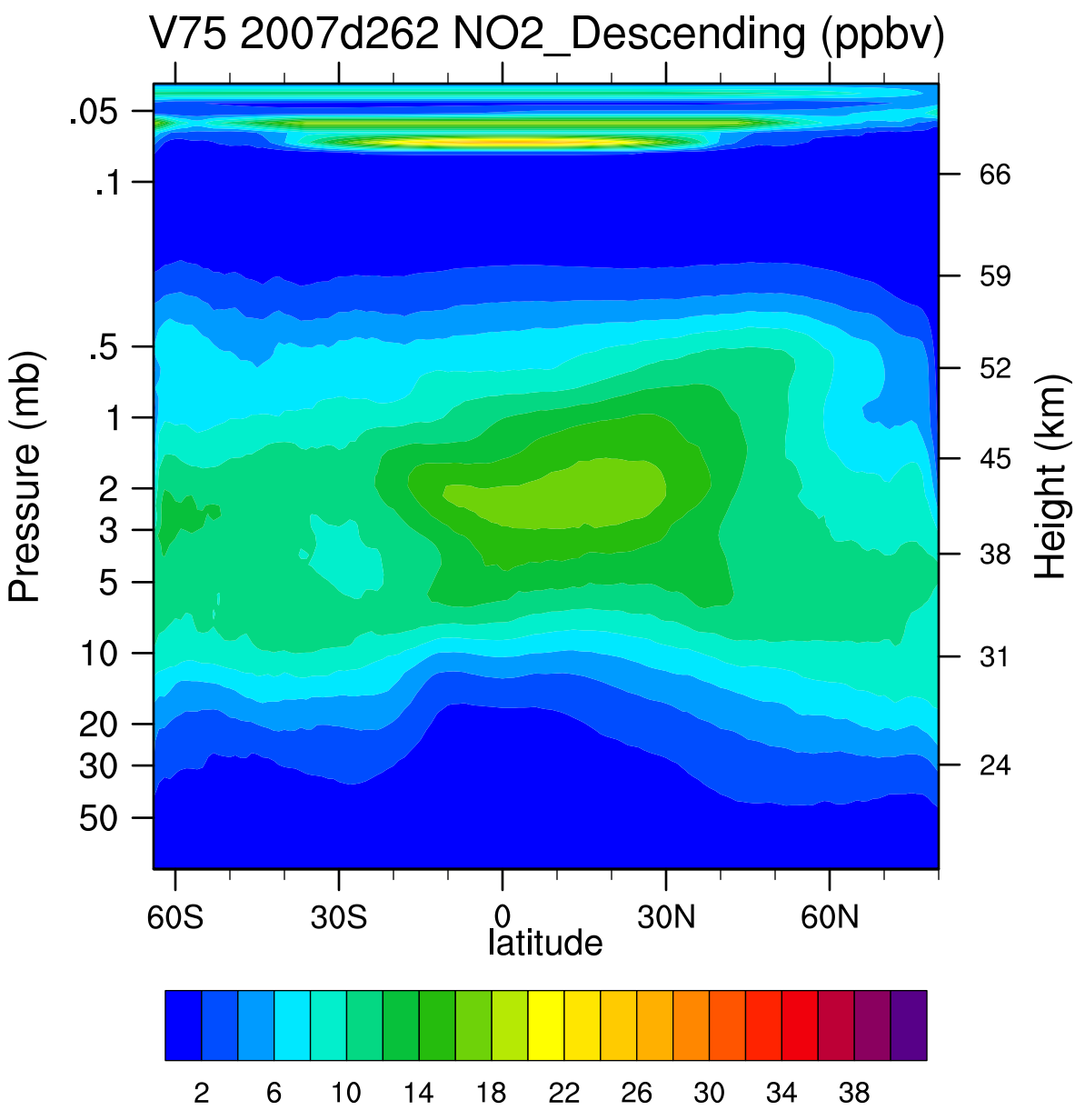
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.5
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2
3
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30
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Pressure (mb)
66
59
52
45
38
31
24
Height (km)
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30S
0
30N
60N
latitude
2
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10
14
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22
26
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34
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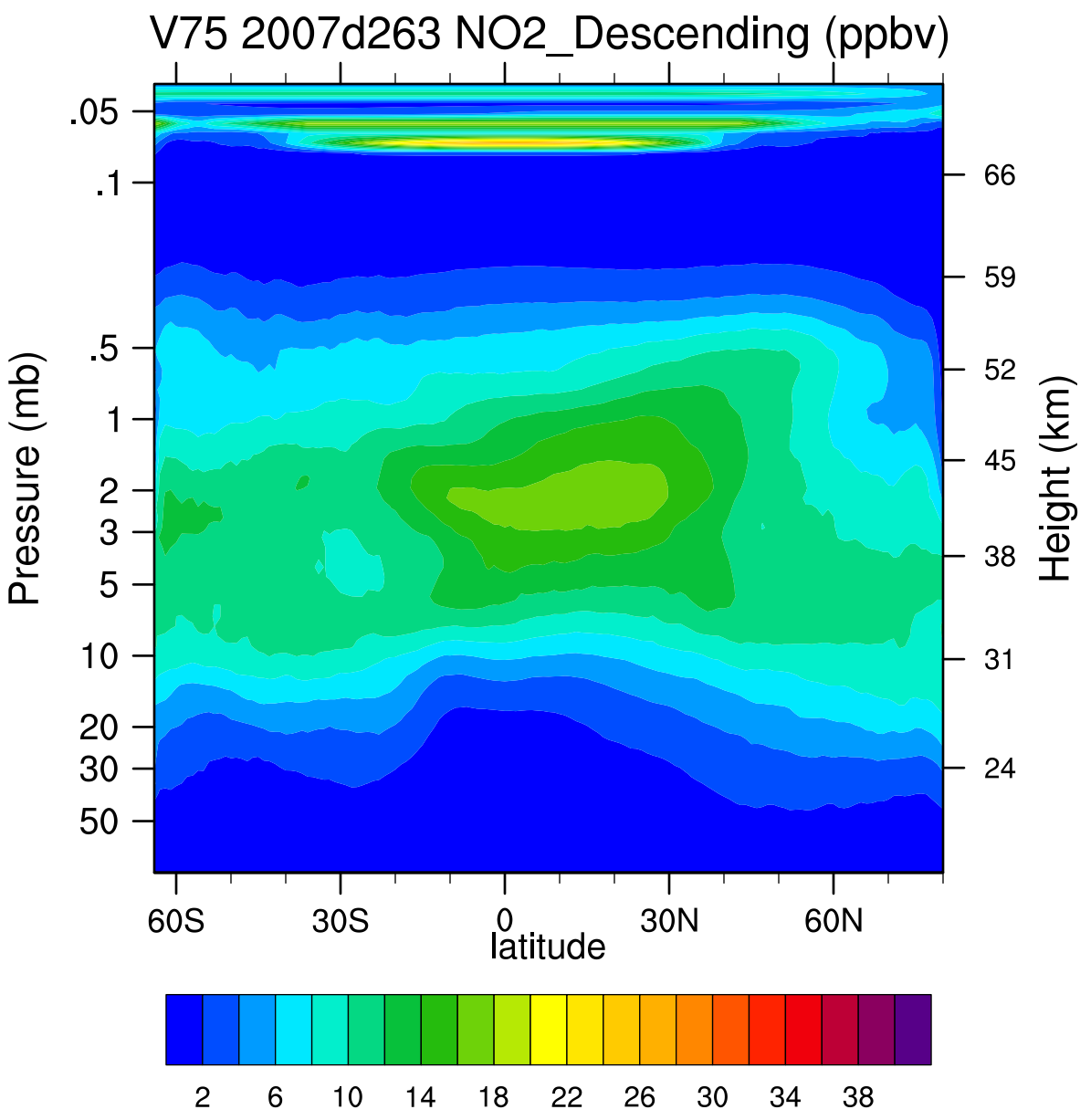
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30
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Pressure (mb)
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59
52
45
38
31
24
Height (km)
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30S
0
30N
60N
latitude
2
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10
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26
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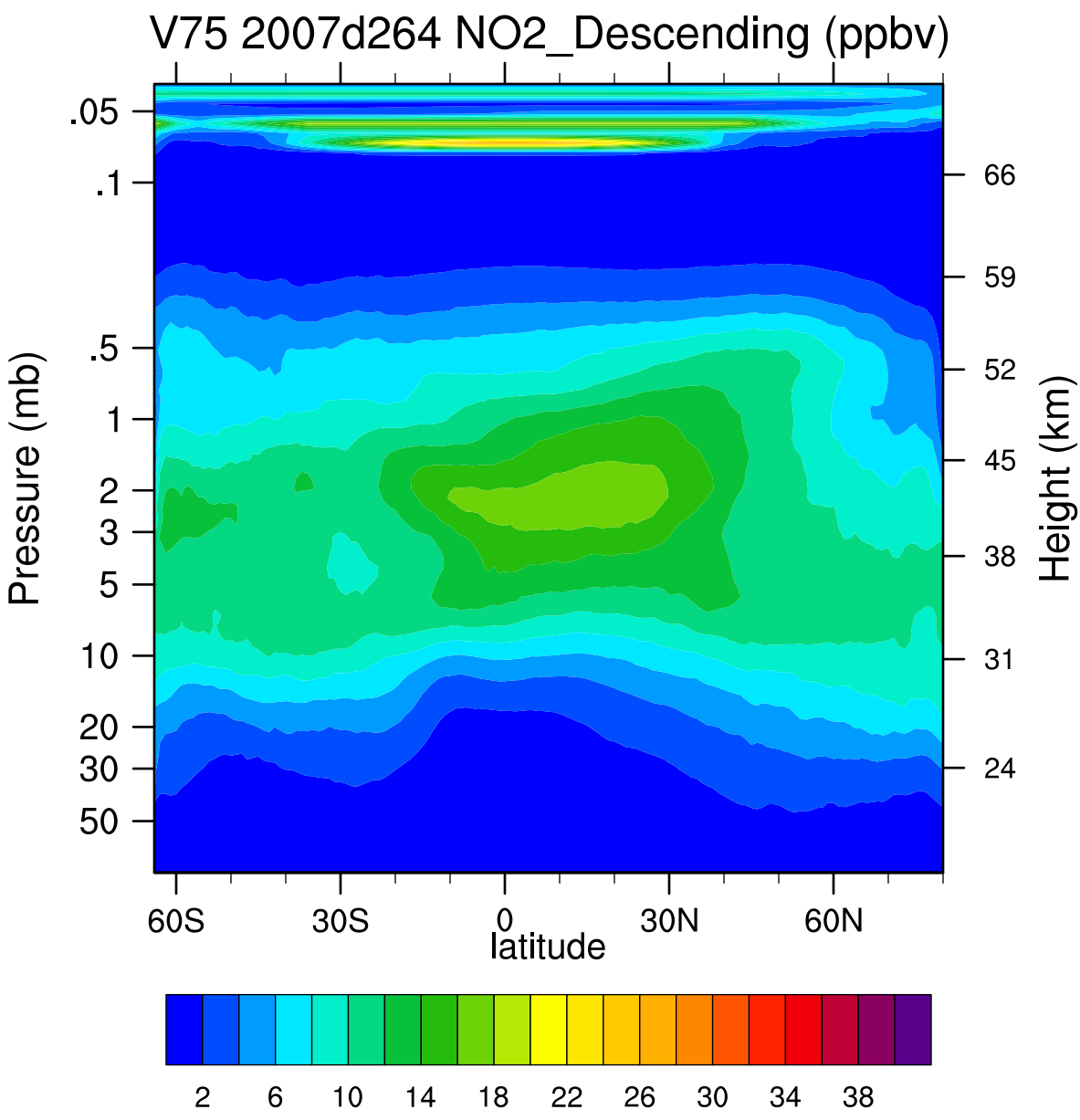
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Height (km)
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59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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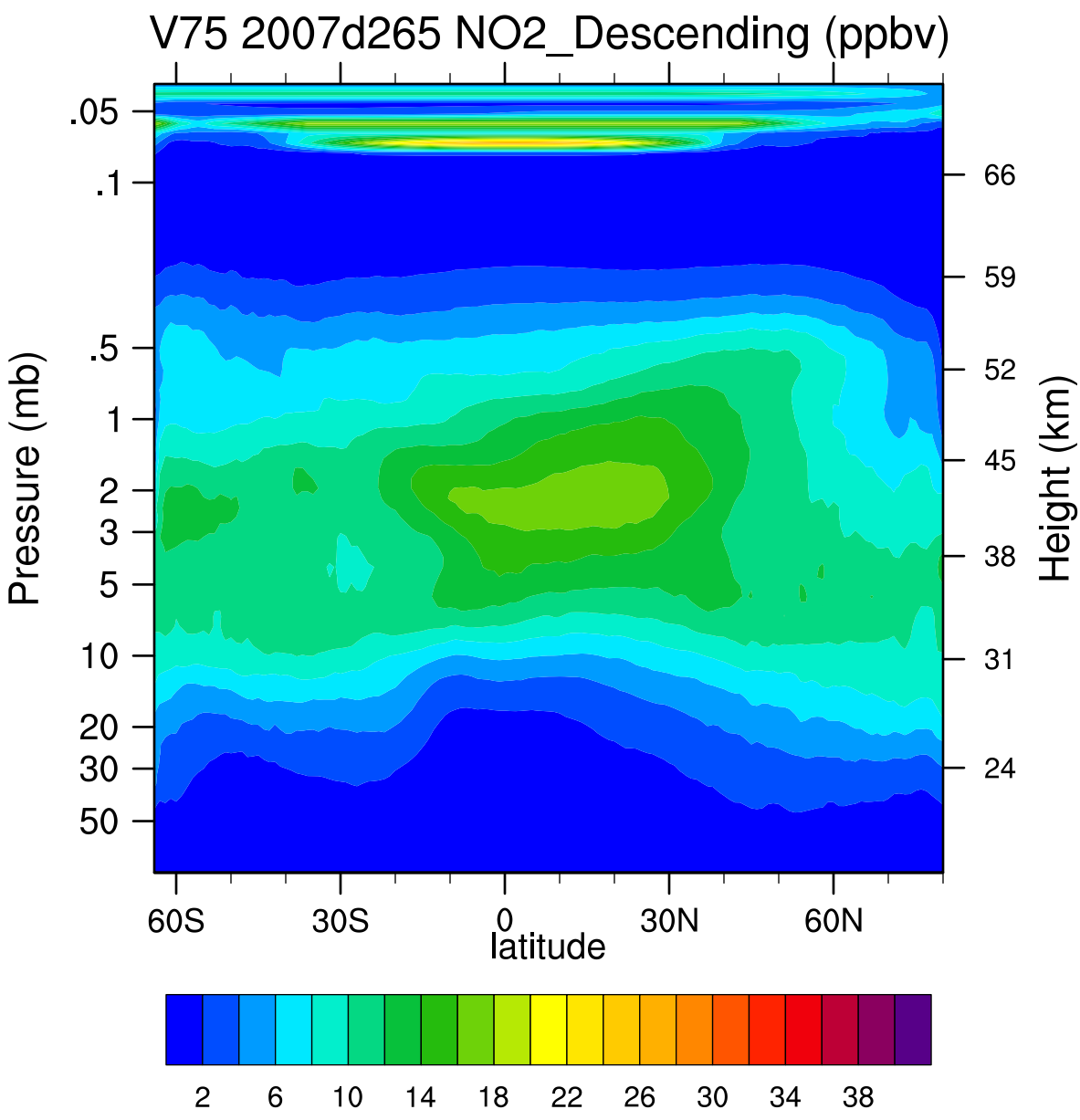
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2
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5
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30
50
Height (km)
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59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
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10
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18
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26
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34
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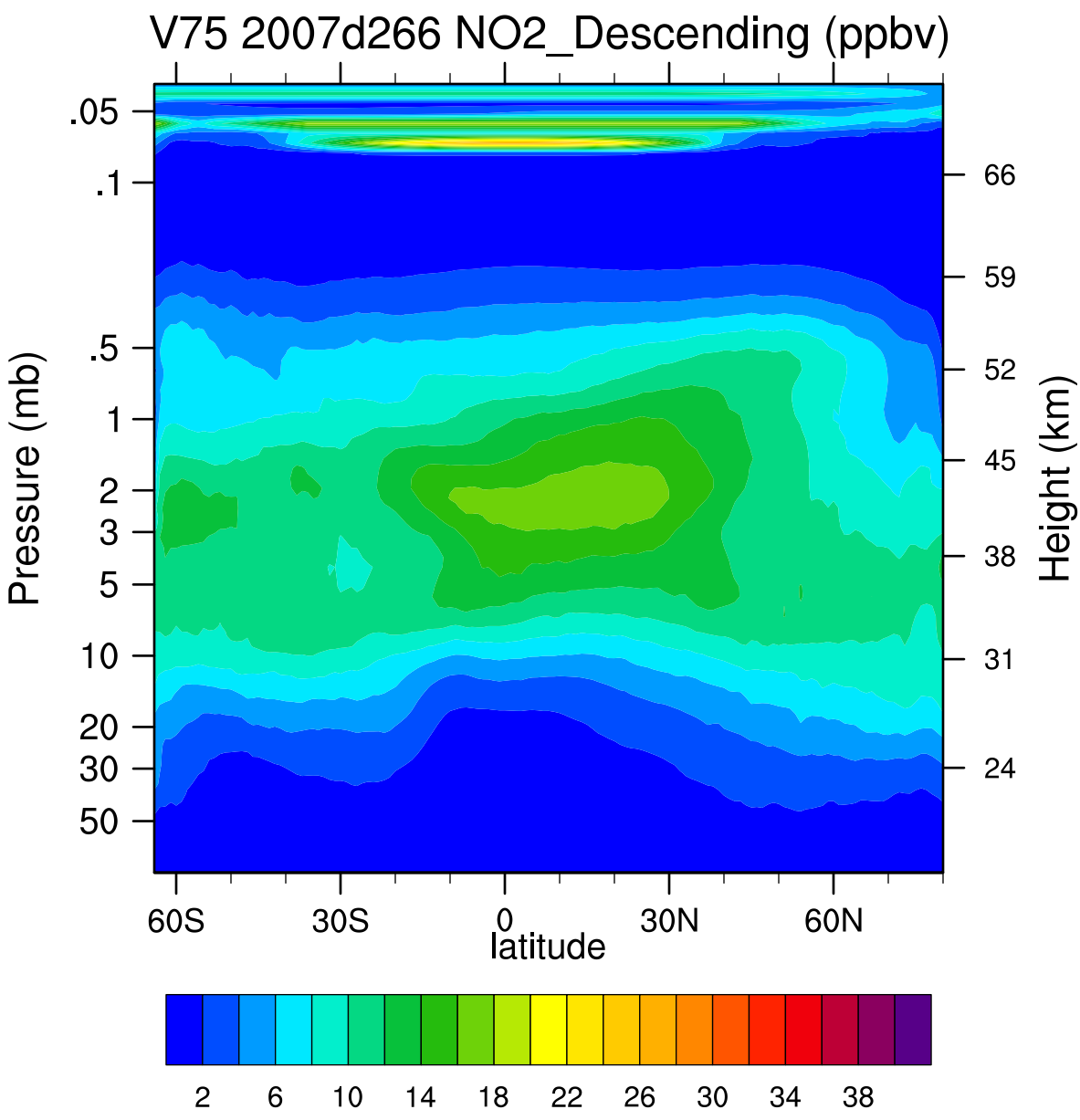
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Pressure (mb)
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59
52
45
38
31
24
Height (km)
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30S
0
30N
60N
latitude
2
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10
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26
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34
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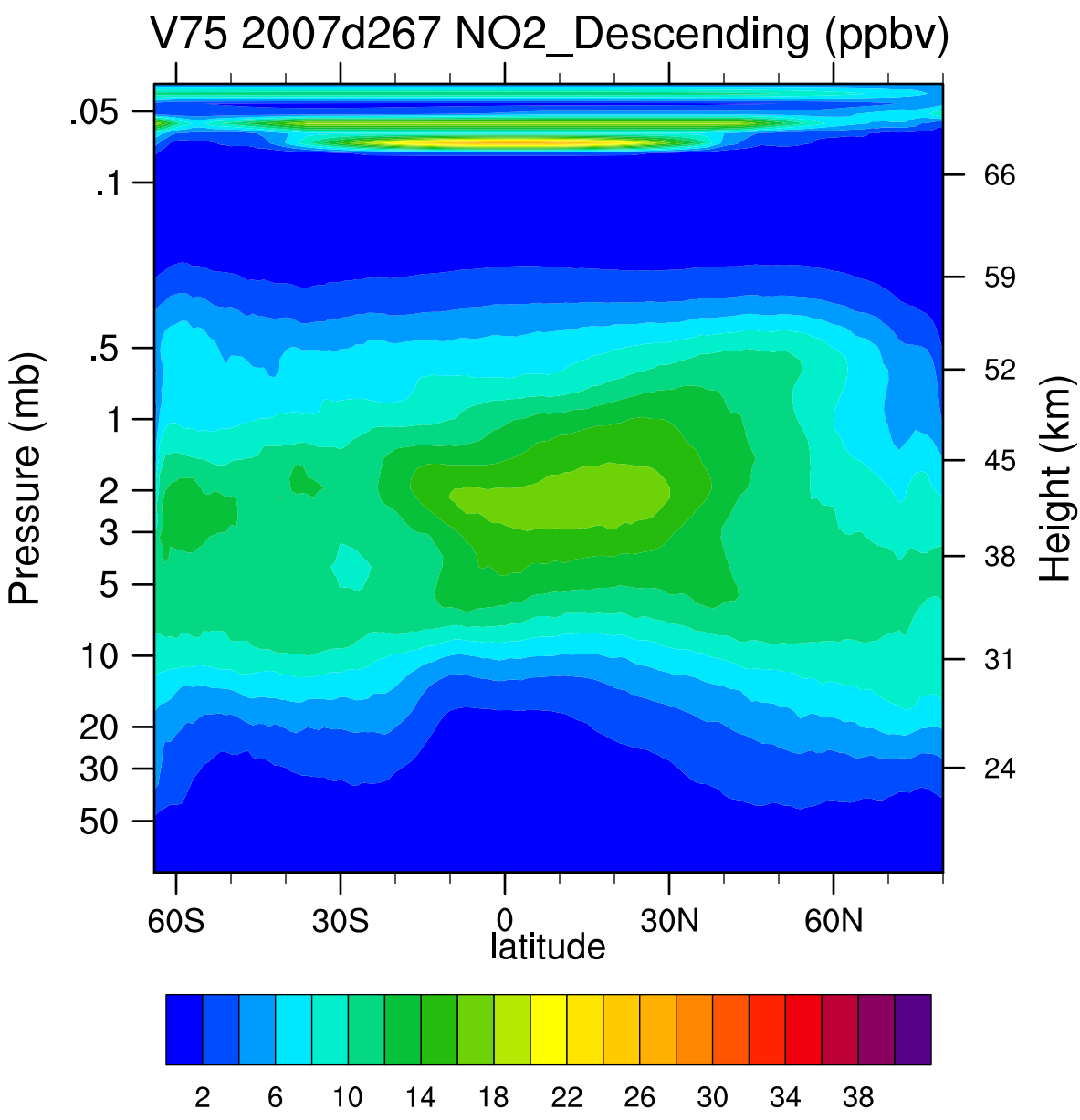
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Pressure (mb)
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52
45
38
31
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Height (km)
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30S
0
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60N
latitude
2
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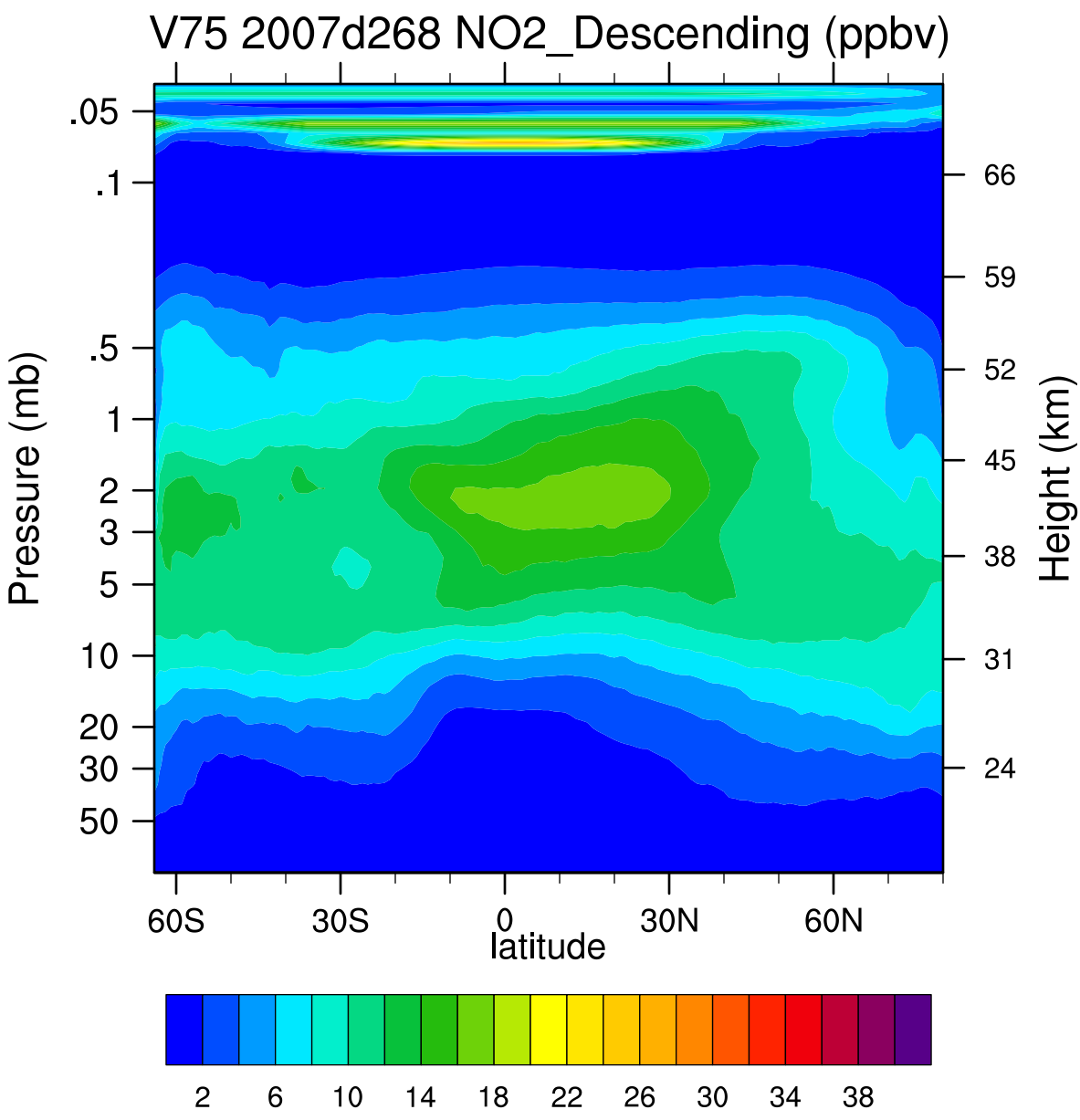
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Height (km)
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52
45
38
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24
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
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34
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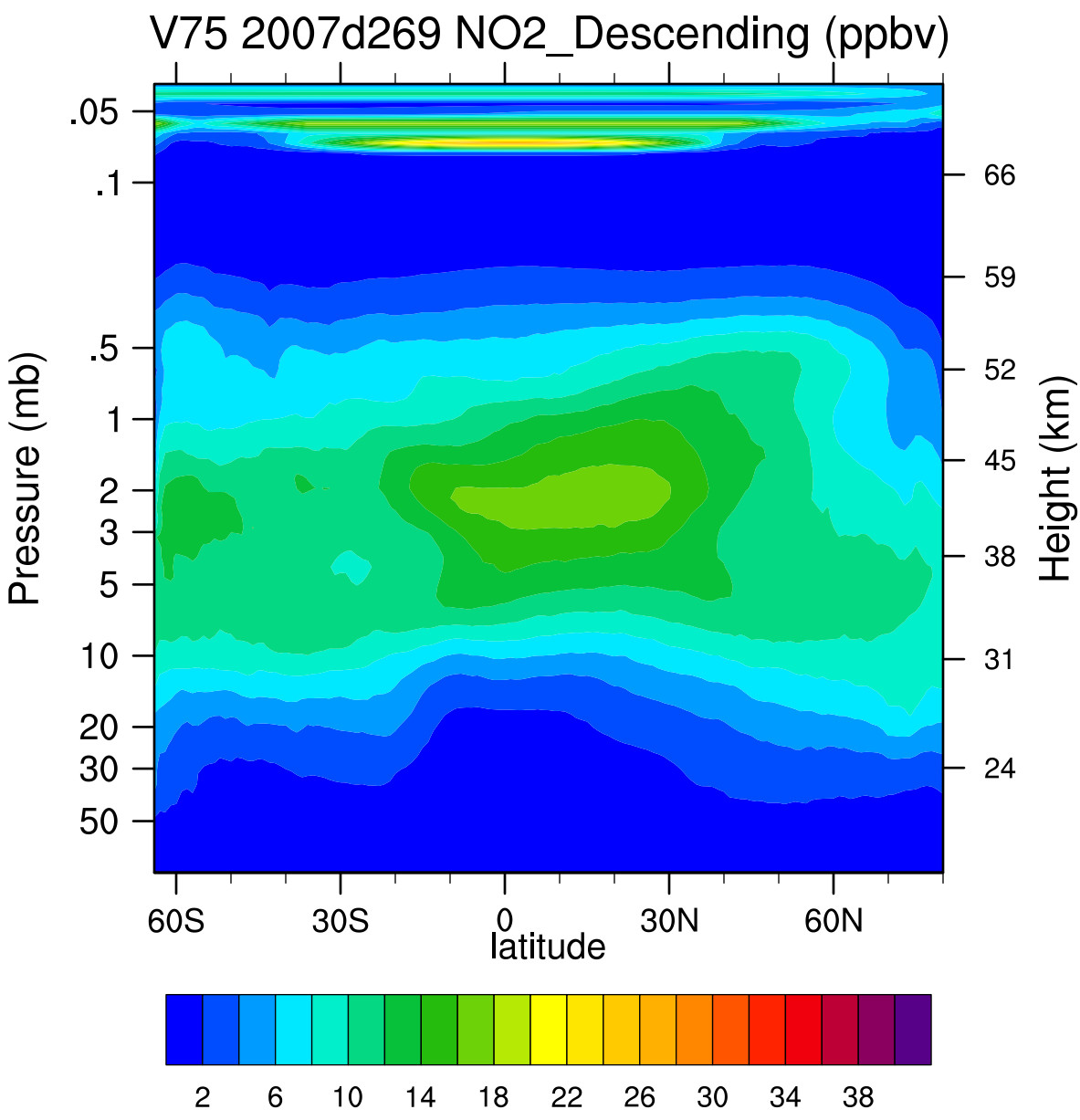
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Height (km)
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59
52
45
38
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24
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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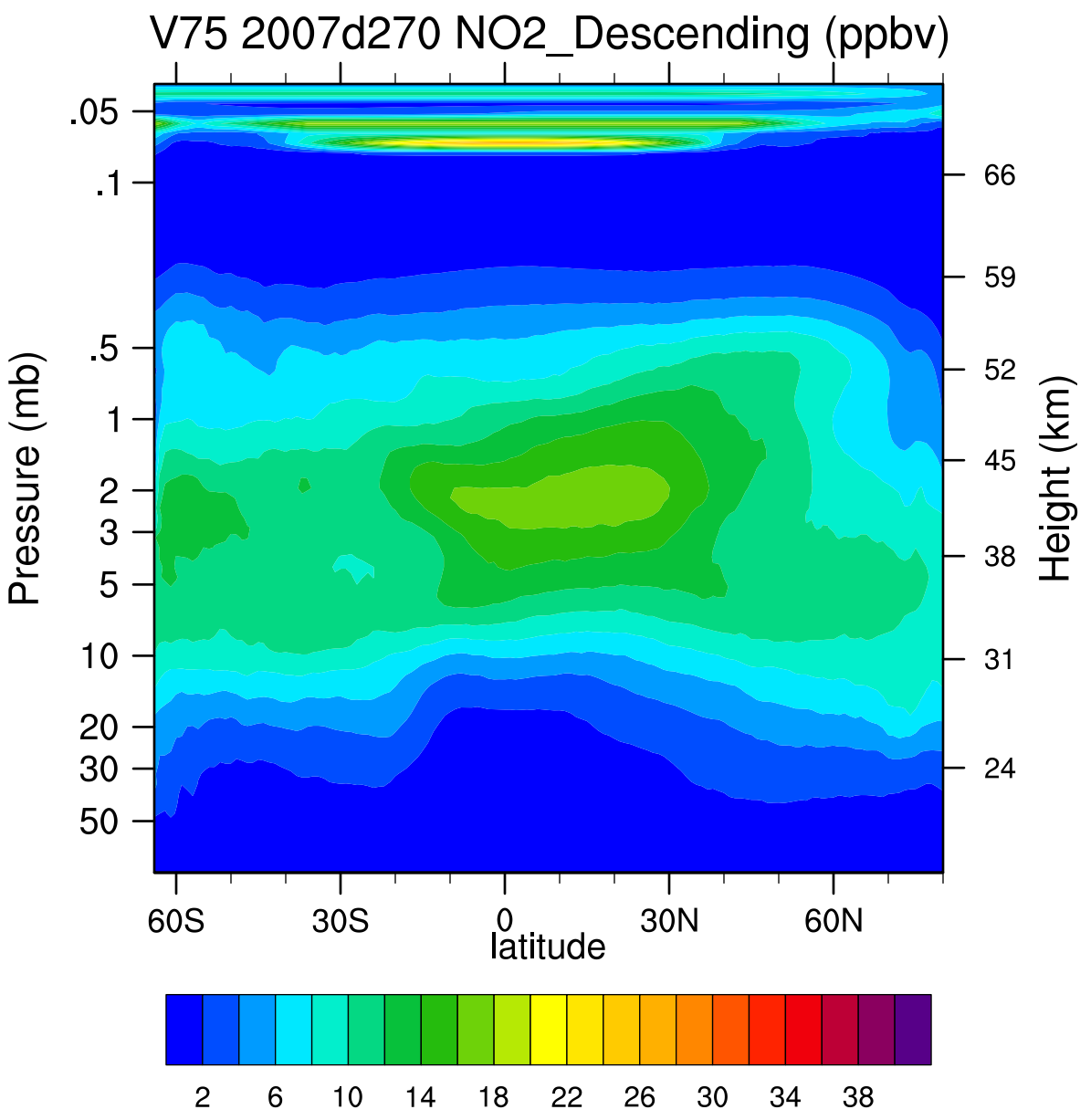
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Pressure (mb)
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52
45
38
31
24
Height (km)
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30S
0
30N
60N
latitude
2
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10
14
18
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26
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34
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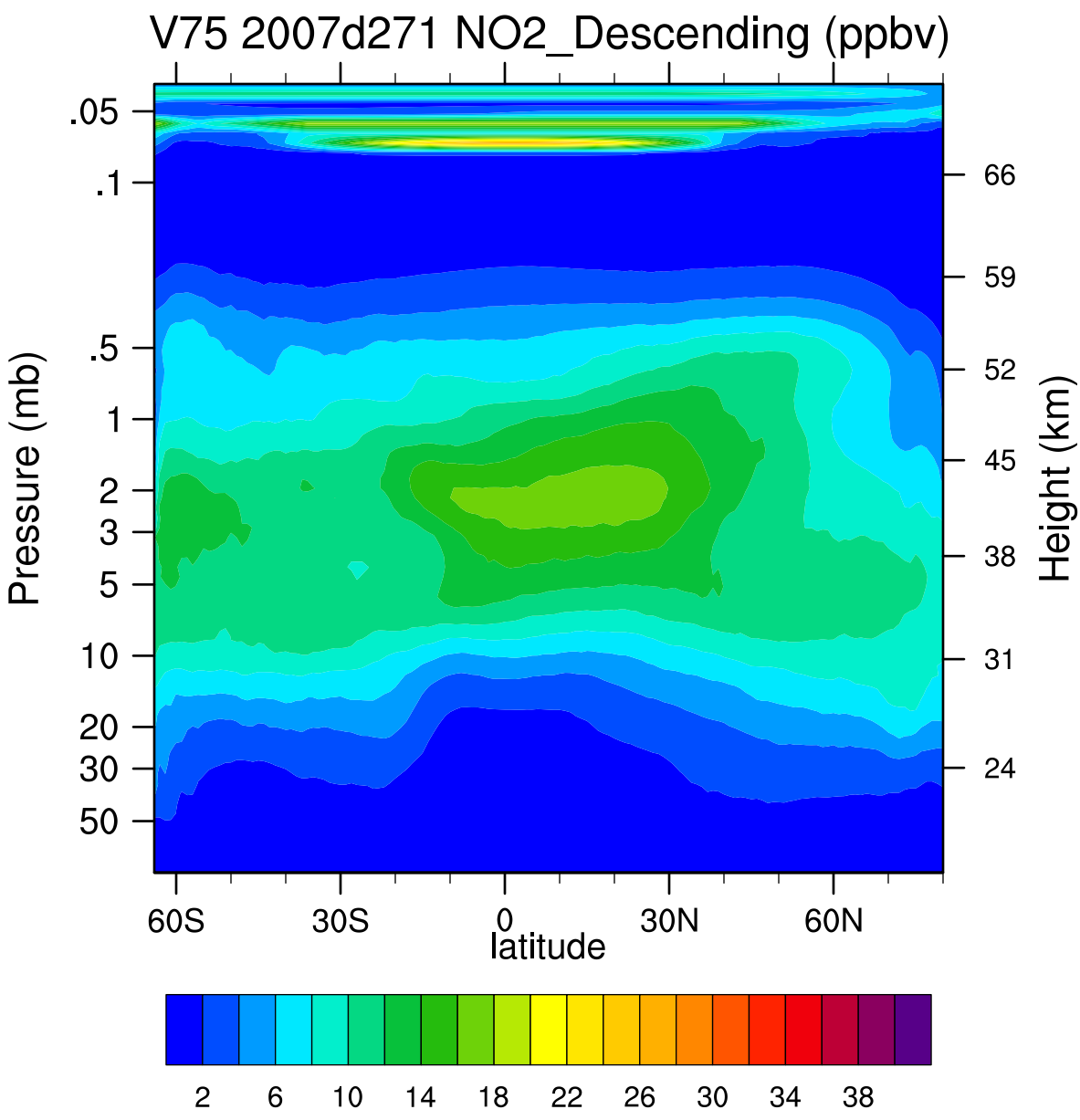
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Height (km)
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52
45
38
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24
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30S
0
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60N
latitude
2
6
10
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18
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26
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34
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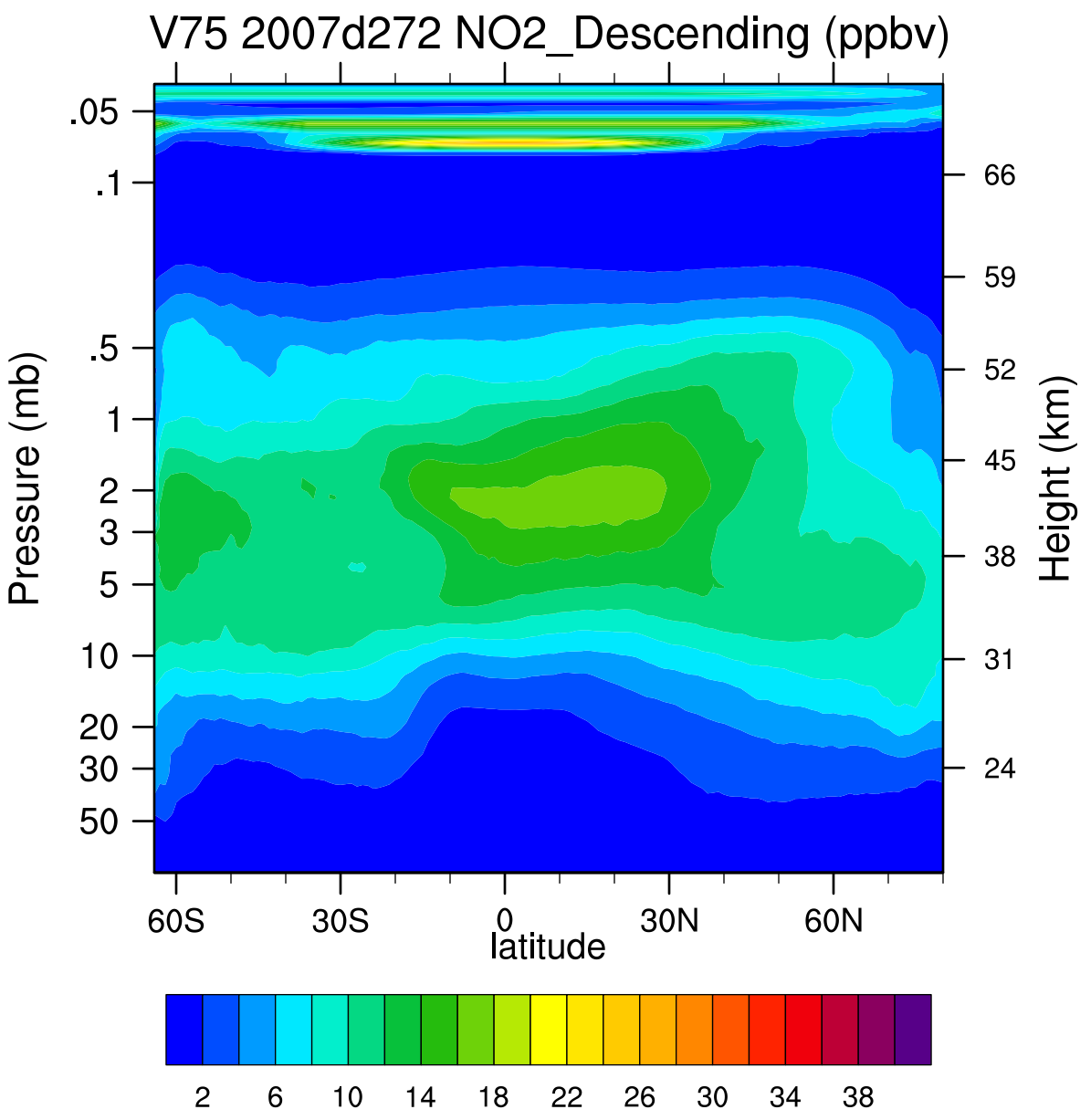
V75 2007d272 NO2_Descending (ppbv)
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Height (km)
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52
45
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30S
0
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60N
latitude
2
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26
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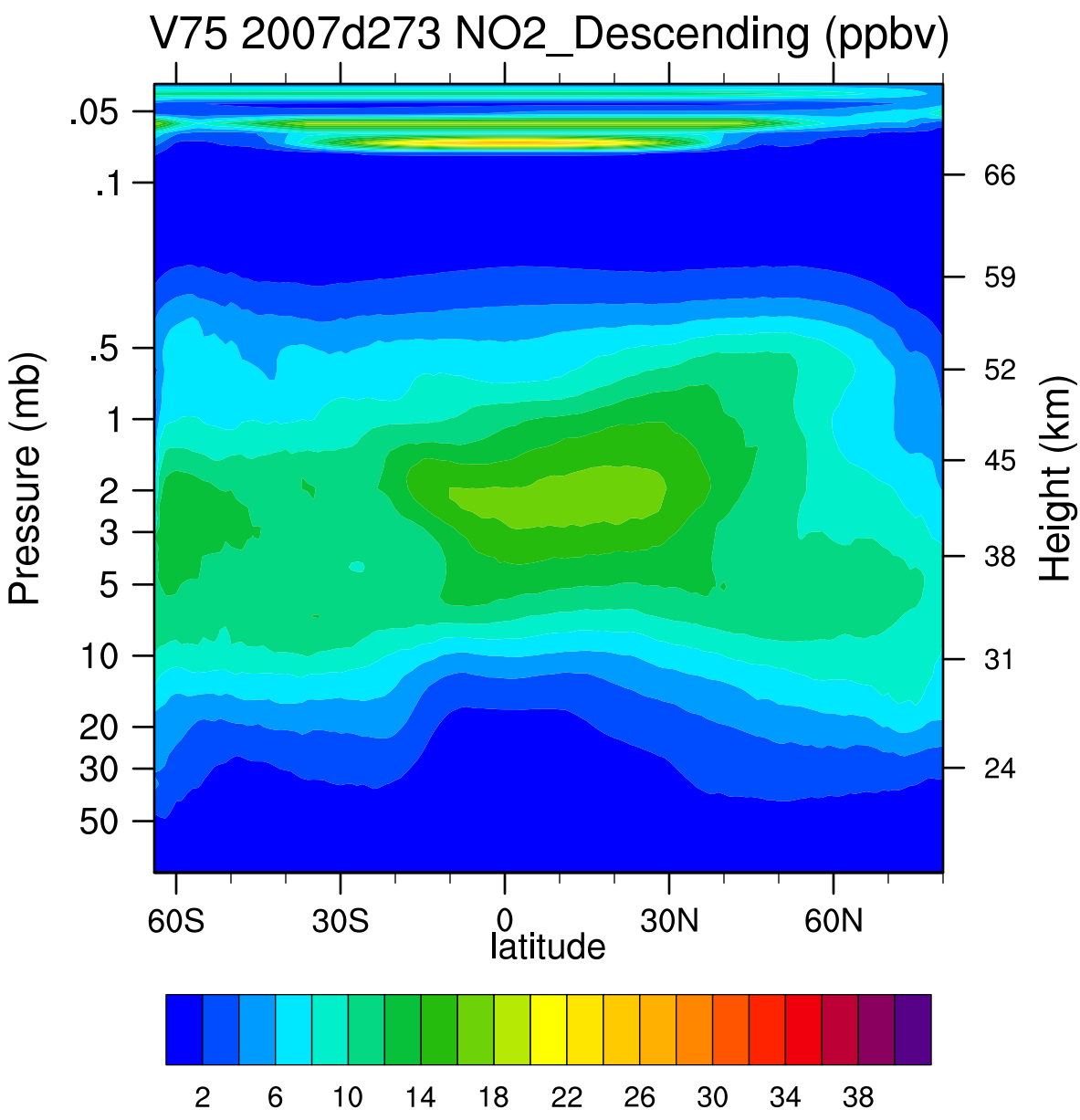
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Pressure (mb)
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59
52
45
38
31
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Height (km)
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30S
0
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60N
latitude
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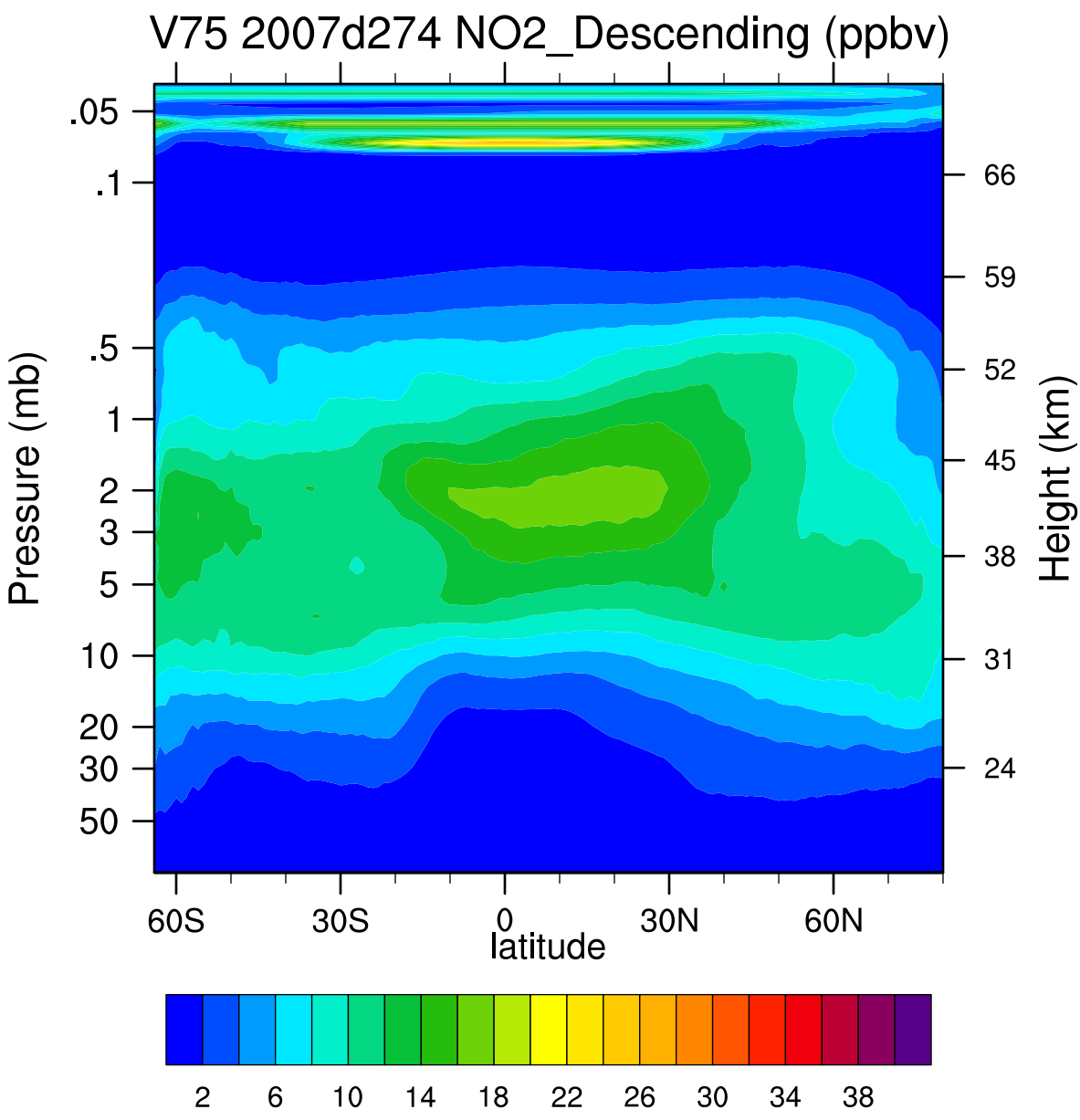
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Pressure (mb)
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2
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5
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20
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Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
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14
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26
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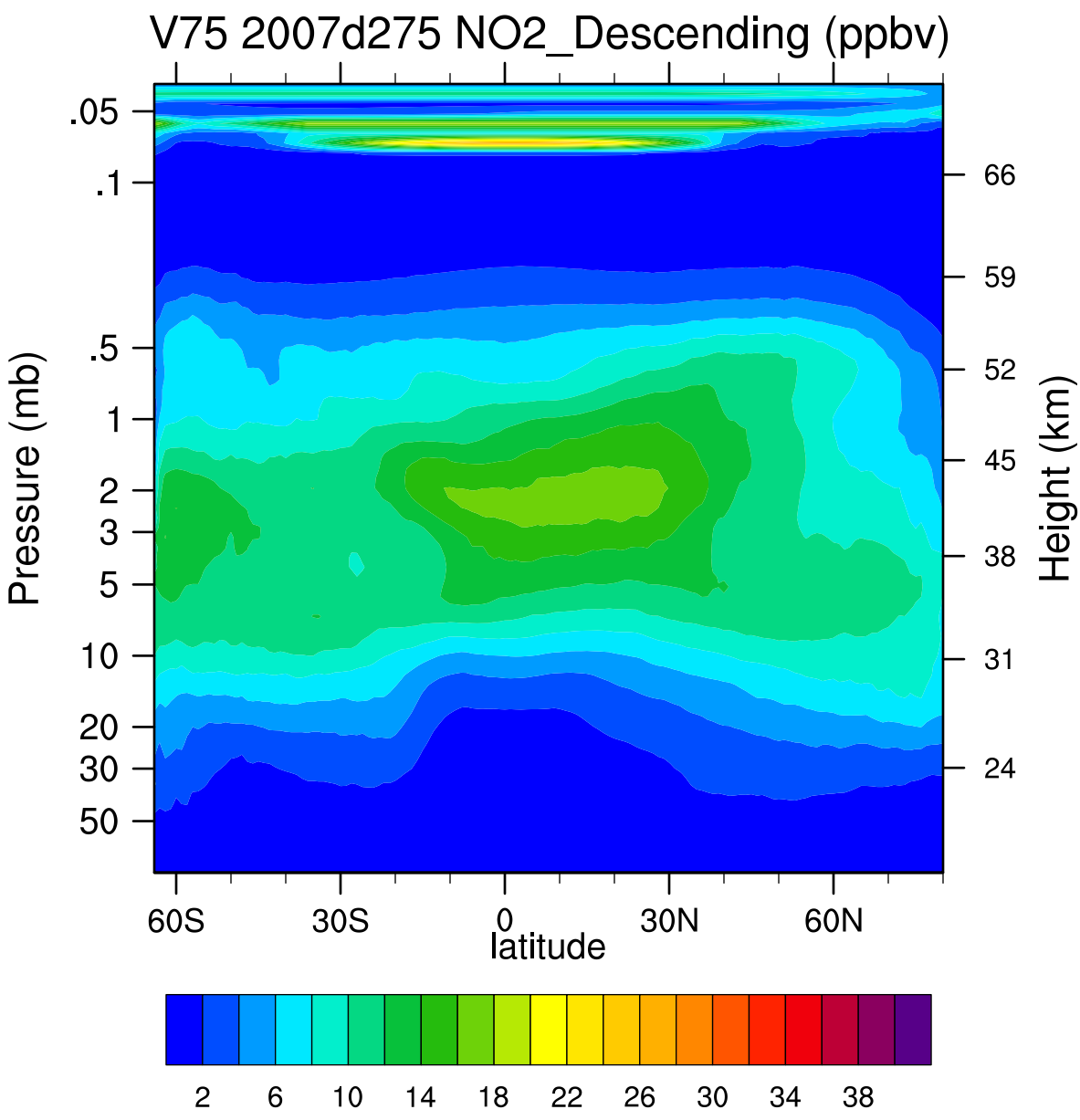
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Height (km)
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59
52
45
38
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24
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30S
0
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60N
latitude
2
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18
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26
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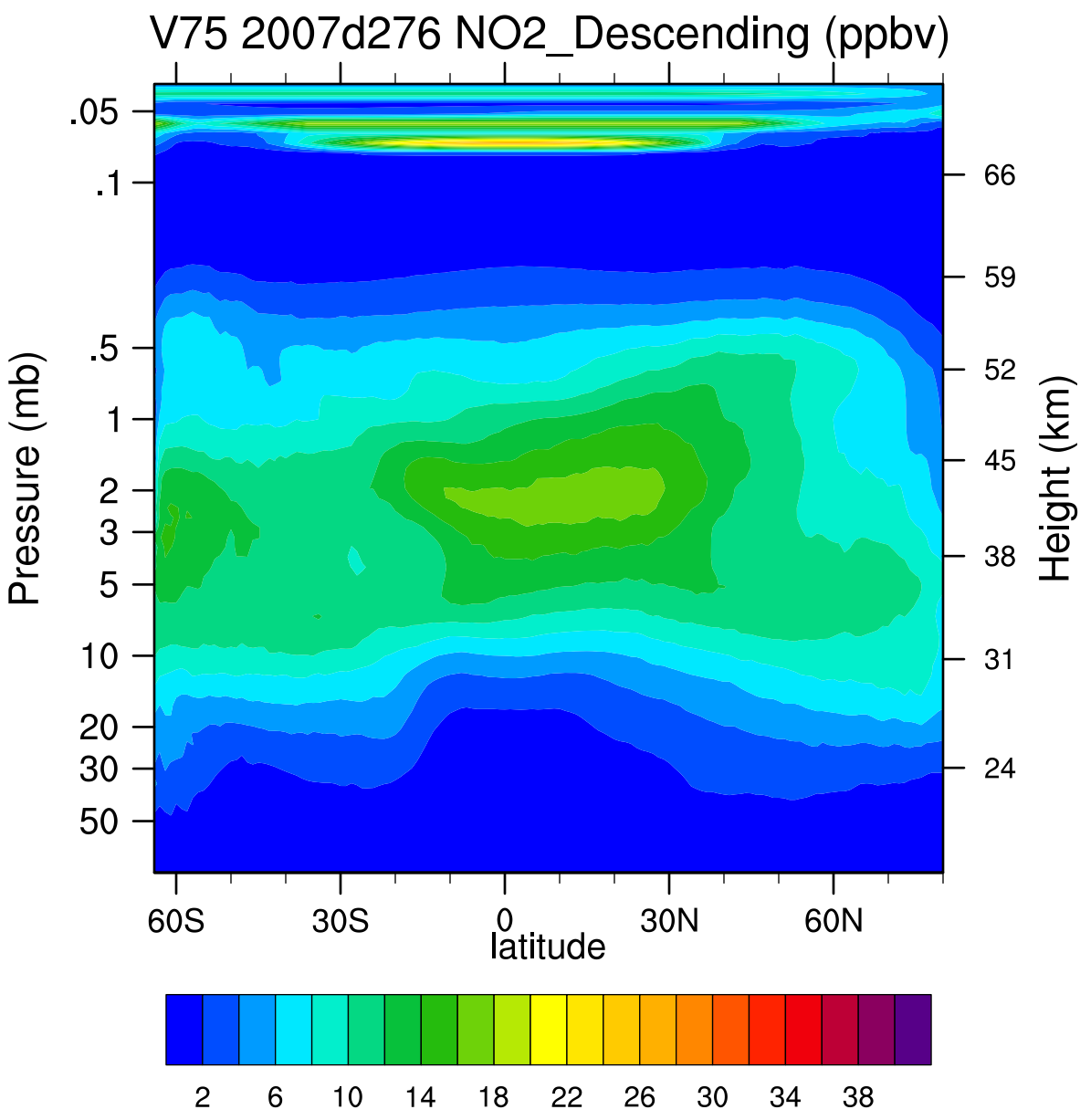
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2
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Height (km)
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59
52
45
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24
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0
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60N
latitude
2
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18
22
26
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34
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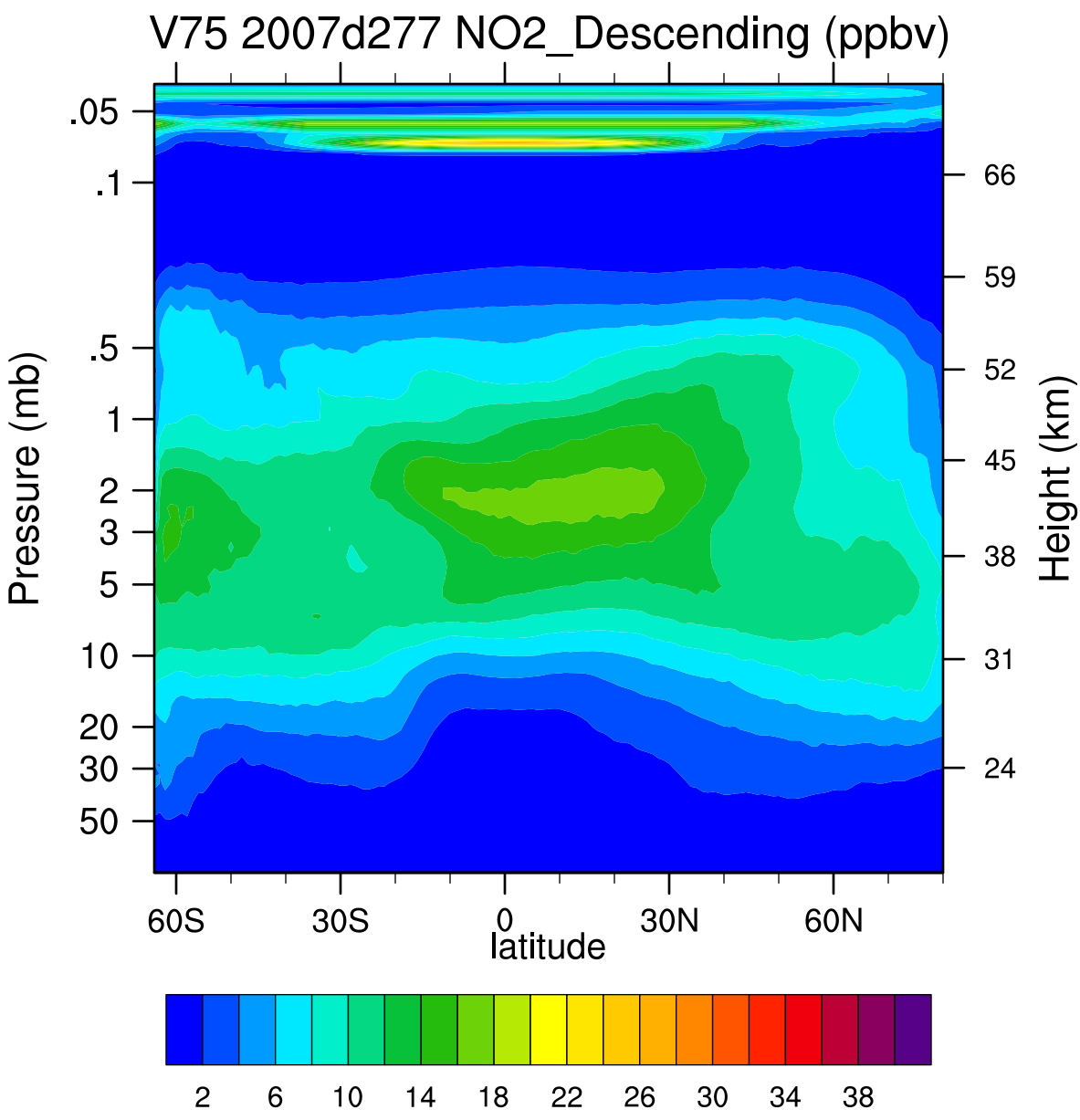
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Pressure (mb)
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2
3
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10
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30
50
Height (km)
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59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
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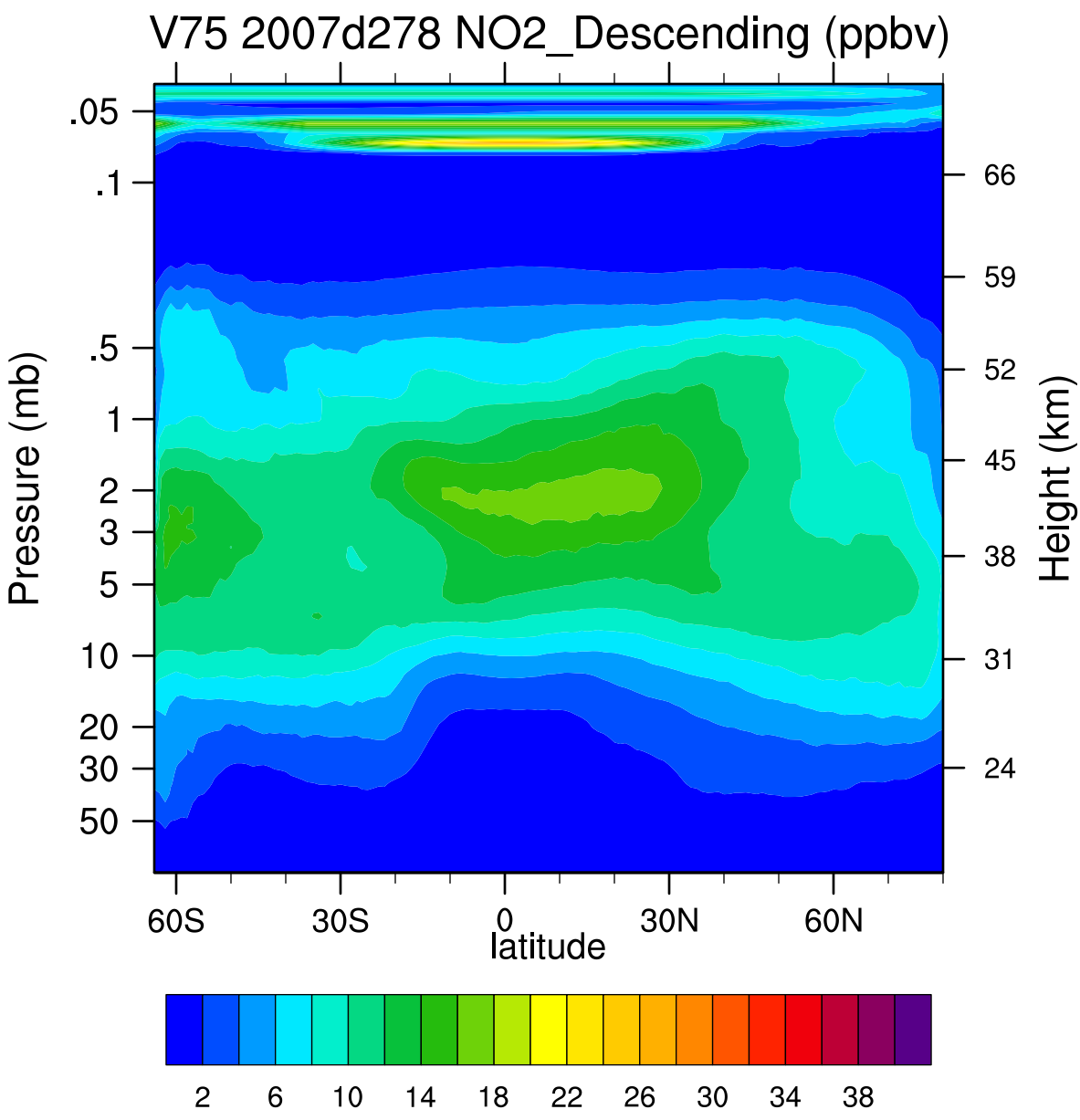
34
38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.1
.5
1
2
3
5
10
20
30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
60S
30S
0
30N
60N
latitude
2
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10
14
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26
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34
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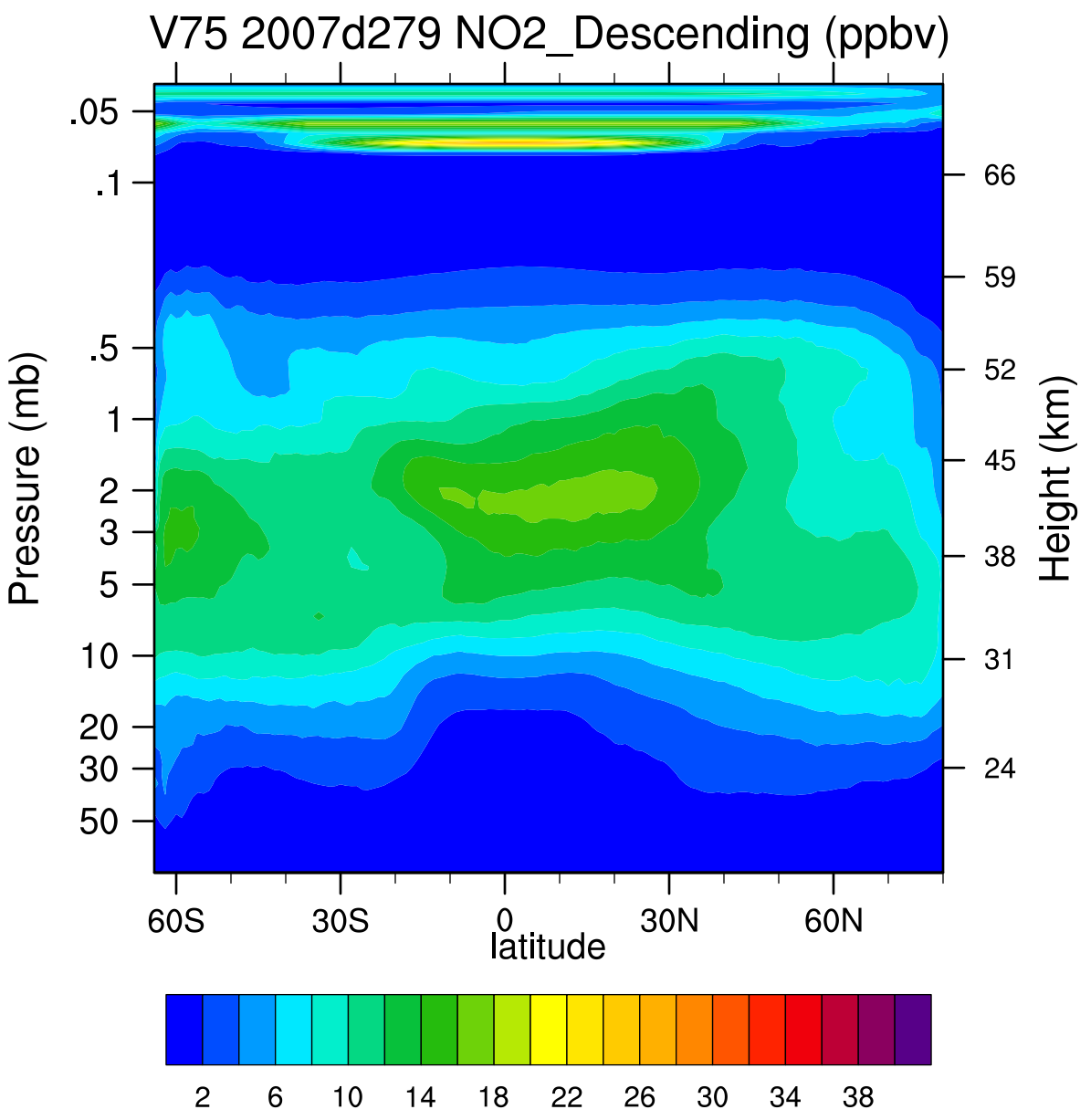
V75 2007d279 NO2_Descending (ppbv)
Pressure (mb)
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2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
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10
14
18
22
26
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34
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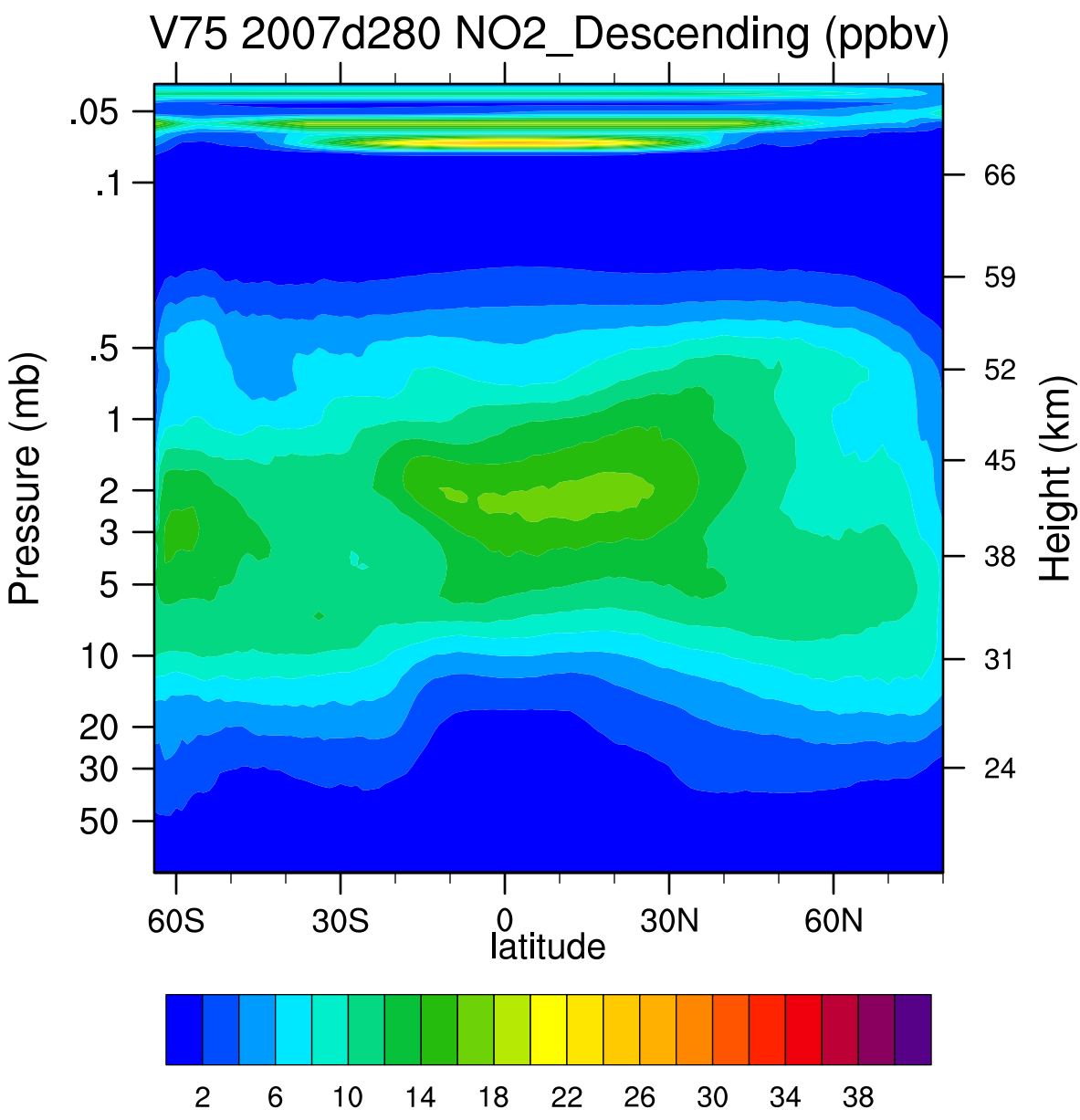
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Pressure (mb)
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1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
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10
14
18
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26
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34
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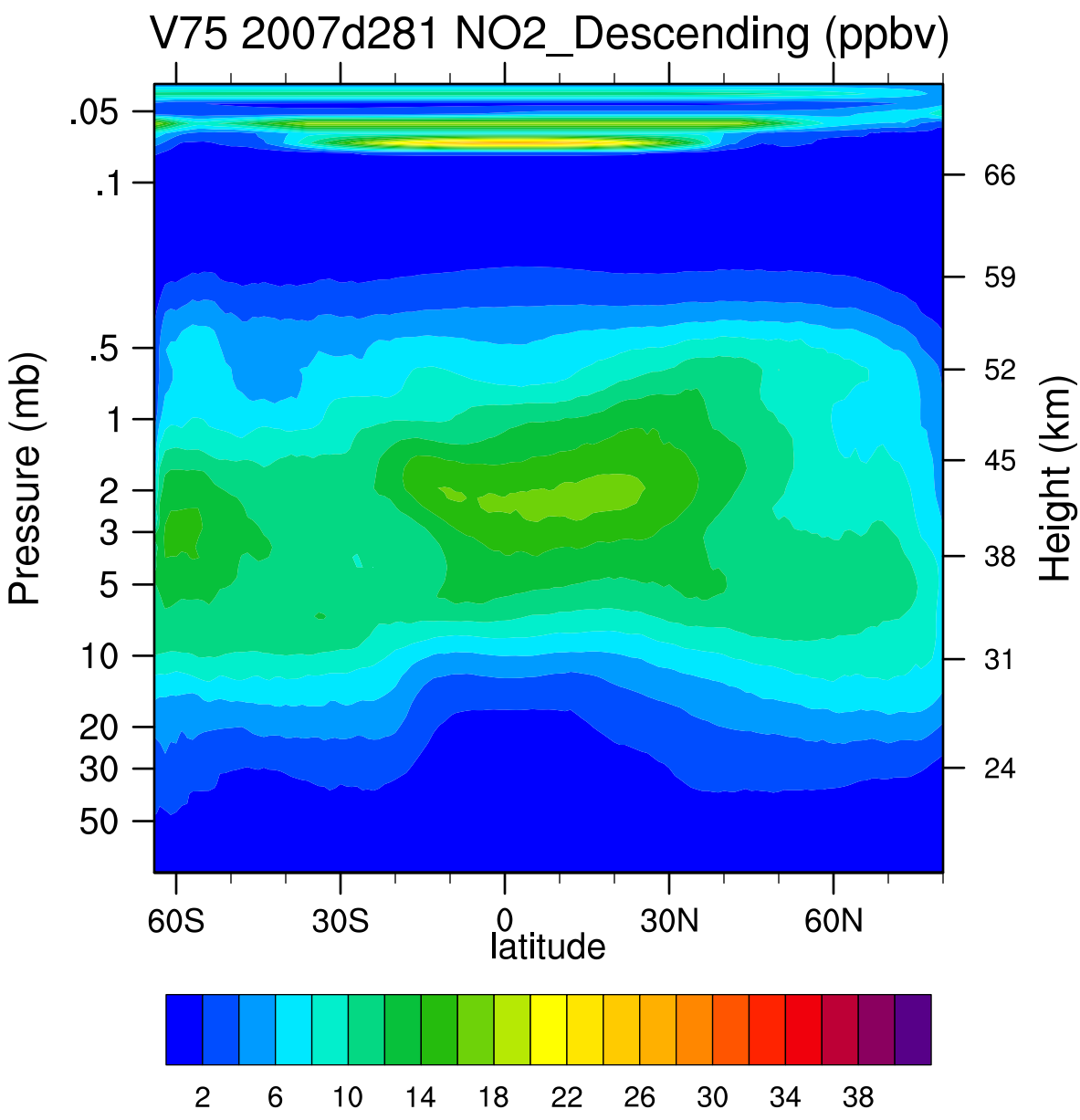
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Pressure (mb)
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3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
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10
14
18
22
26
30
34
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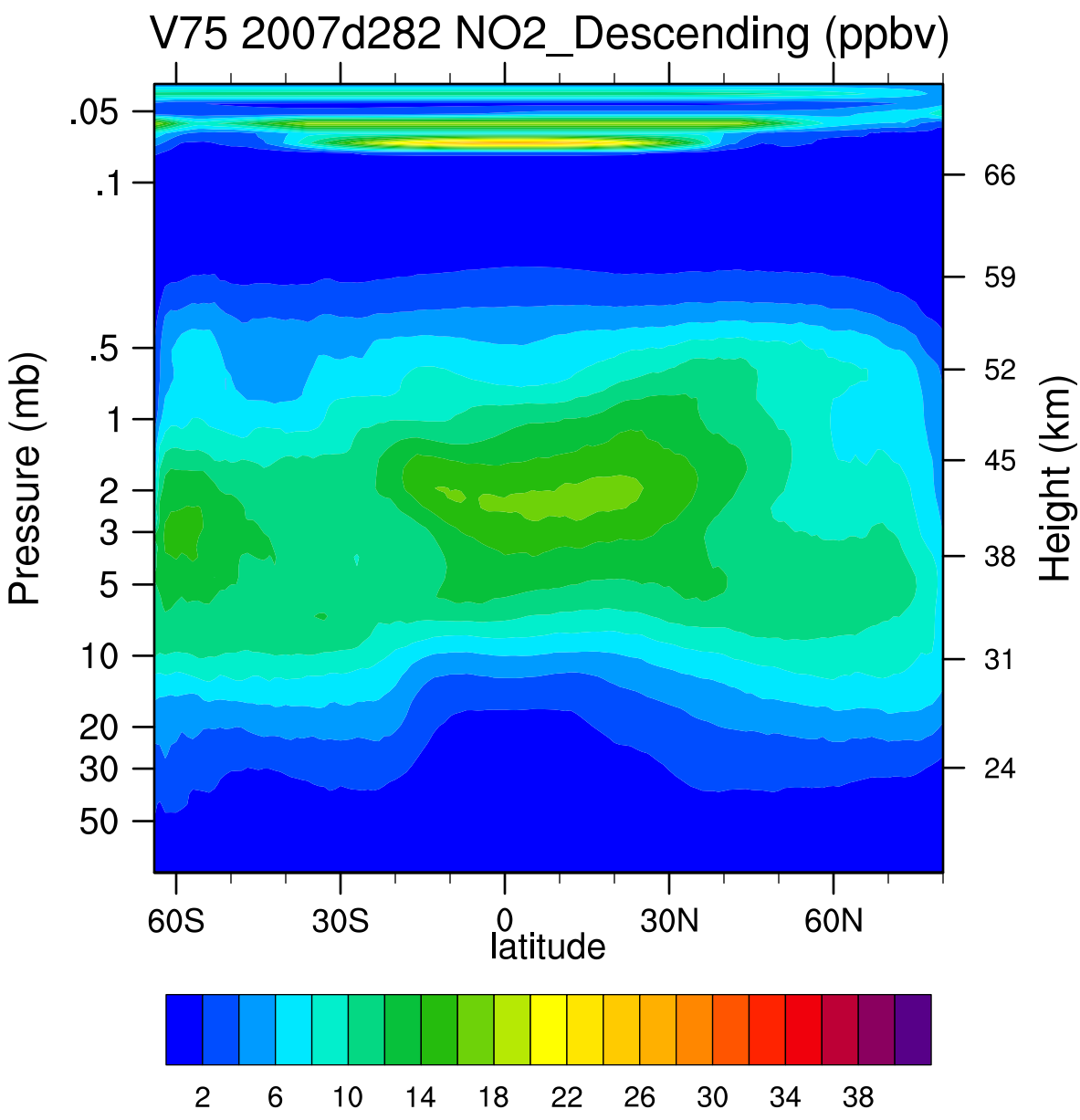
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2
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5
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20
30
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Pressure (mb)
66
59
52
45
38
31
24
Height (km)
60S
30S
0
30N
60N
latitude
2
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10
14
18
22
26
30
34
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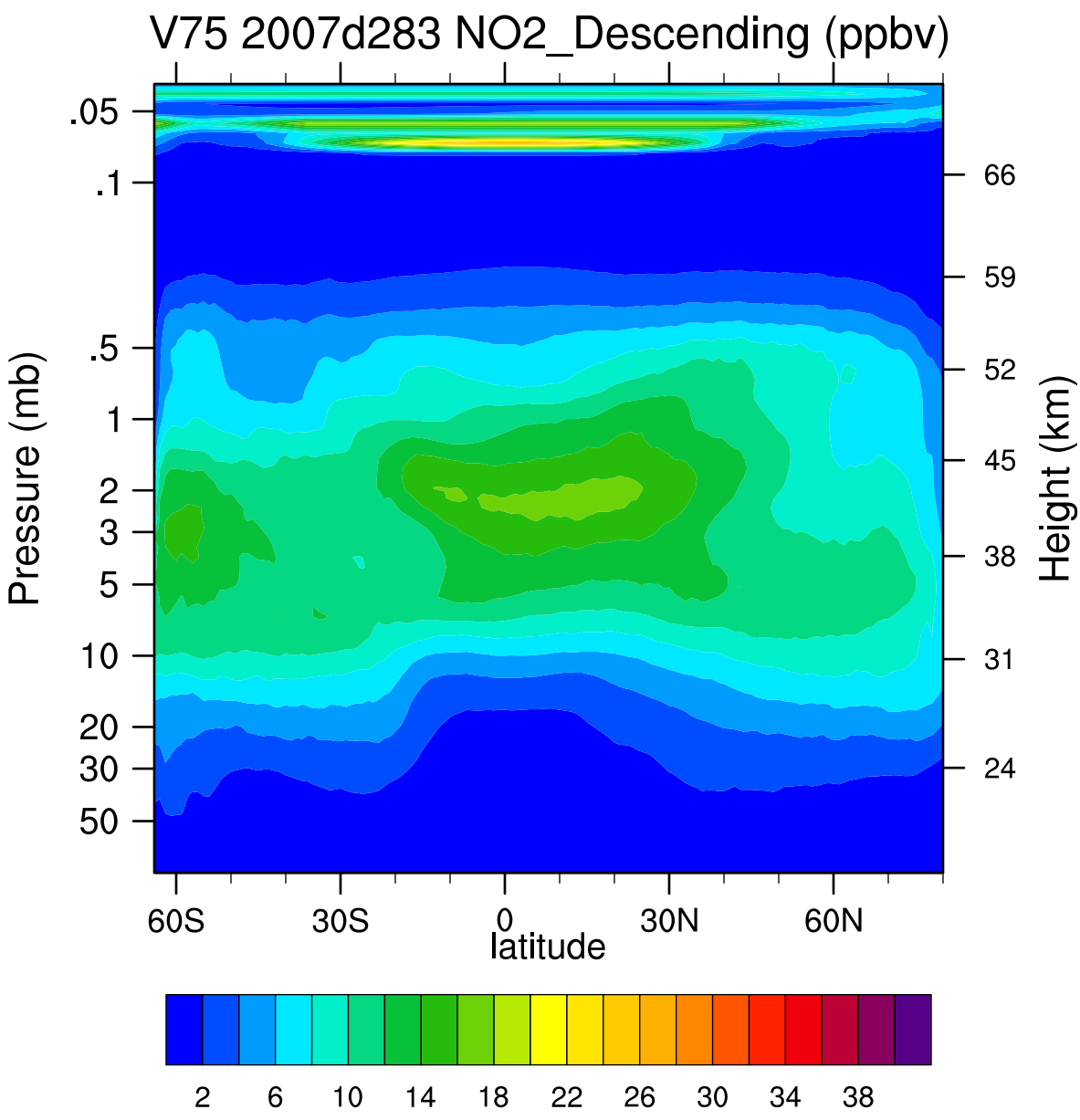
V75 2007d283 NO2_Descending (ppbv)
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.1
.5
1
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3
5
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20
30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
60S
30S
0
30N
60N
latitude
2
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10
14
18
22
26
30
34
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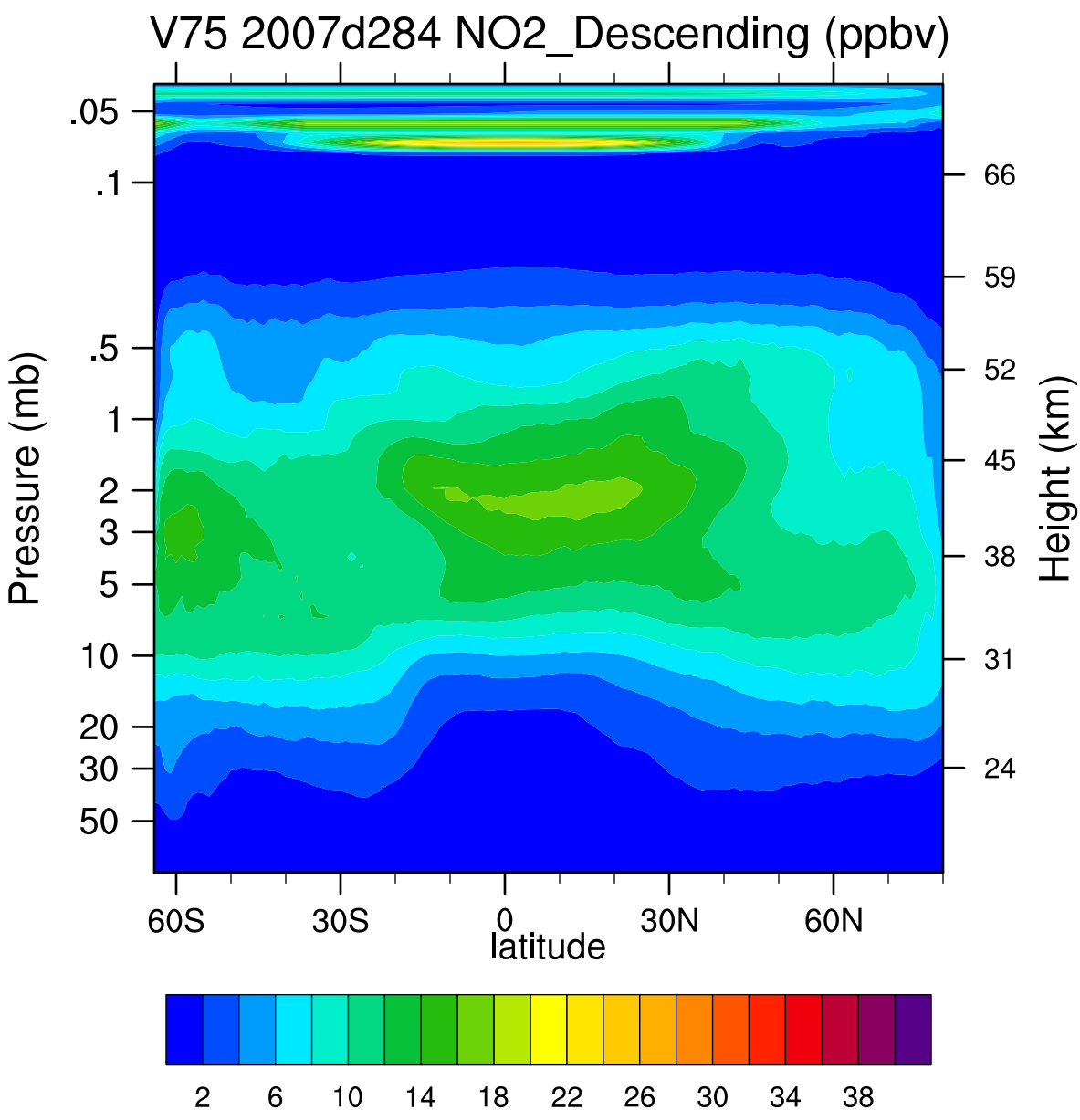
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Pressure (mb)
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5
10
20
30
50
Height (km)
66
59
52
45
38
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24
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30S
0
30N
60N
latitude
2
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10
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18
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26
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34
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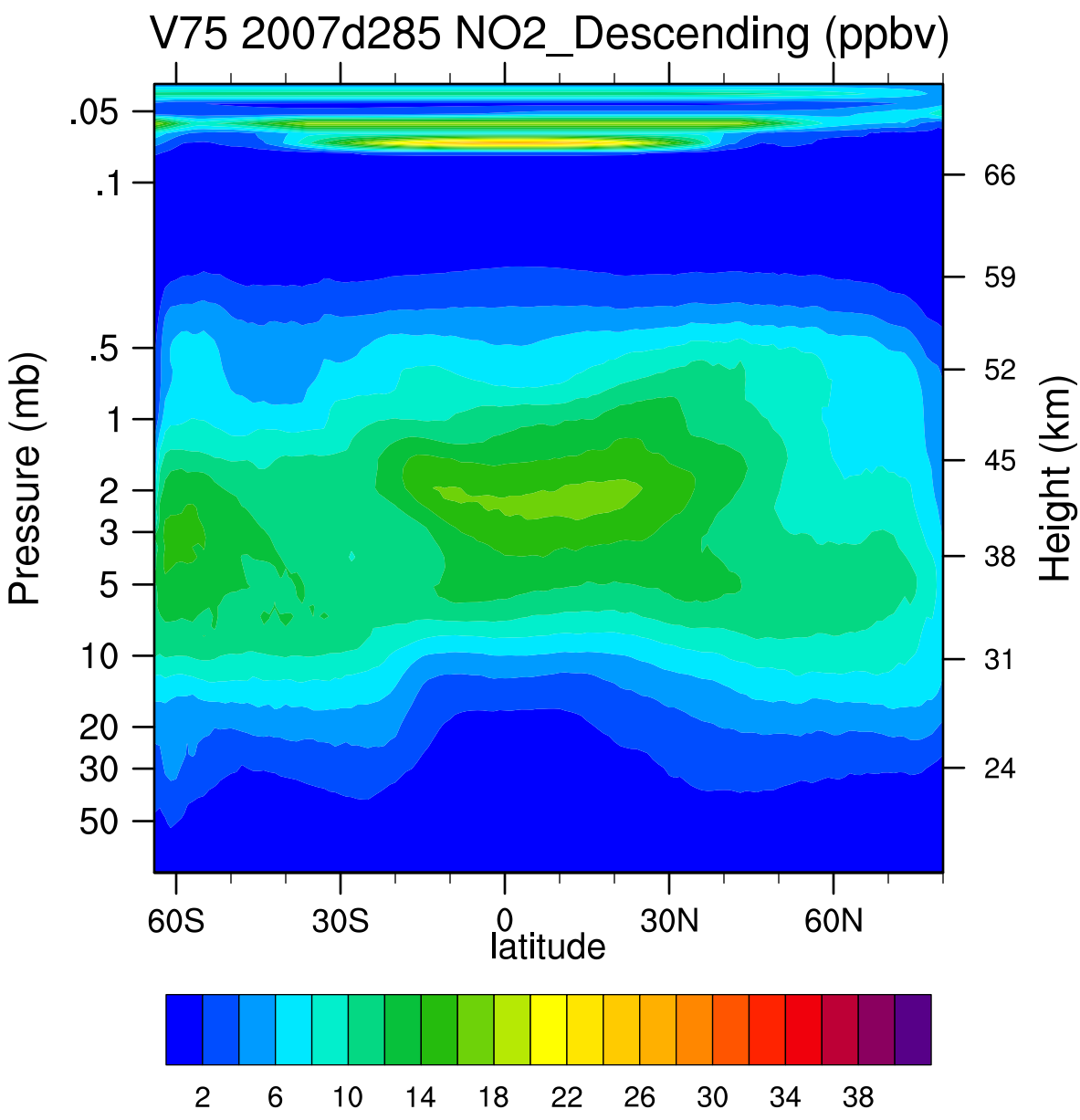
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Pressure (mb)
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10
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30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
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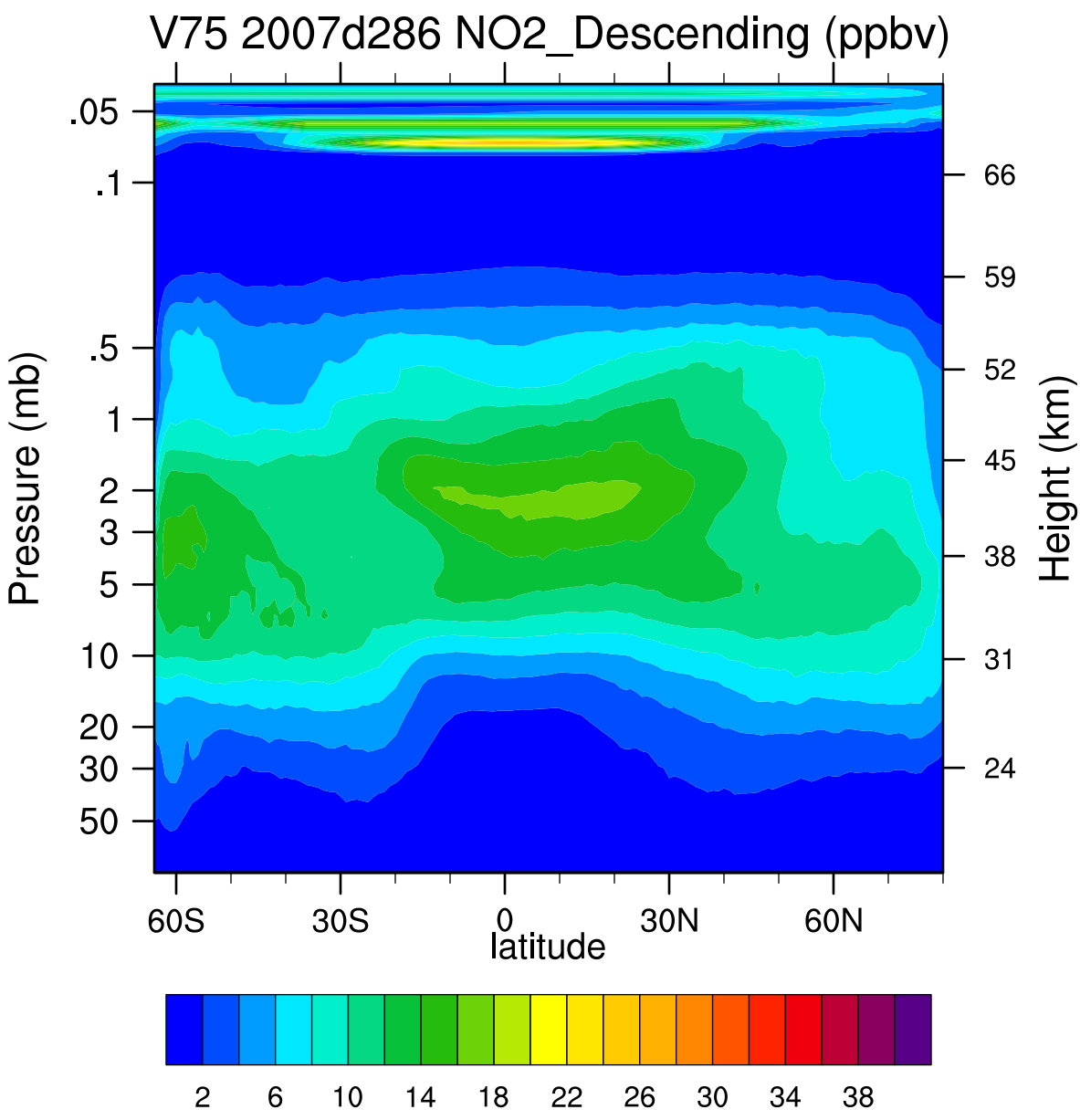
10
14
18
22
26
30
34
38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Pressure (mb)
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20
30
50
Height (km)
66
59
52
45
38
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24
60S
30S
0
30N
60N
latitude
2
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26
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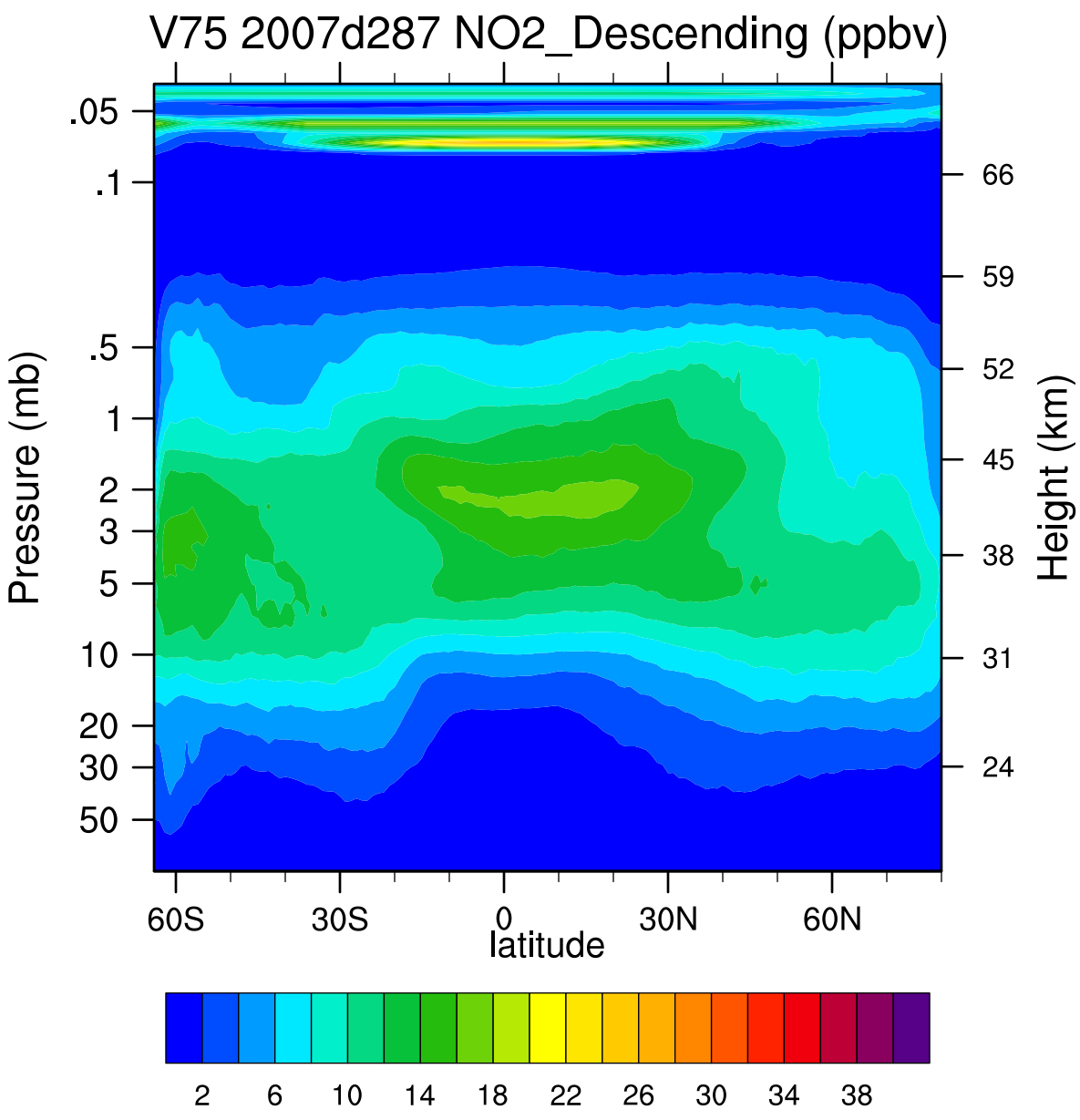
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5
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30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
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10
14
18
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26
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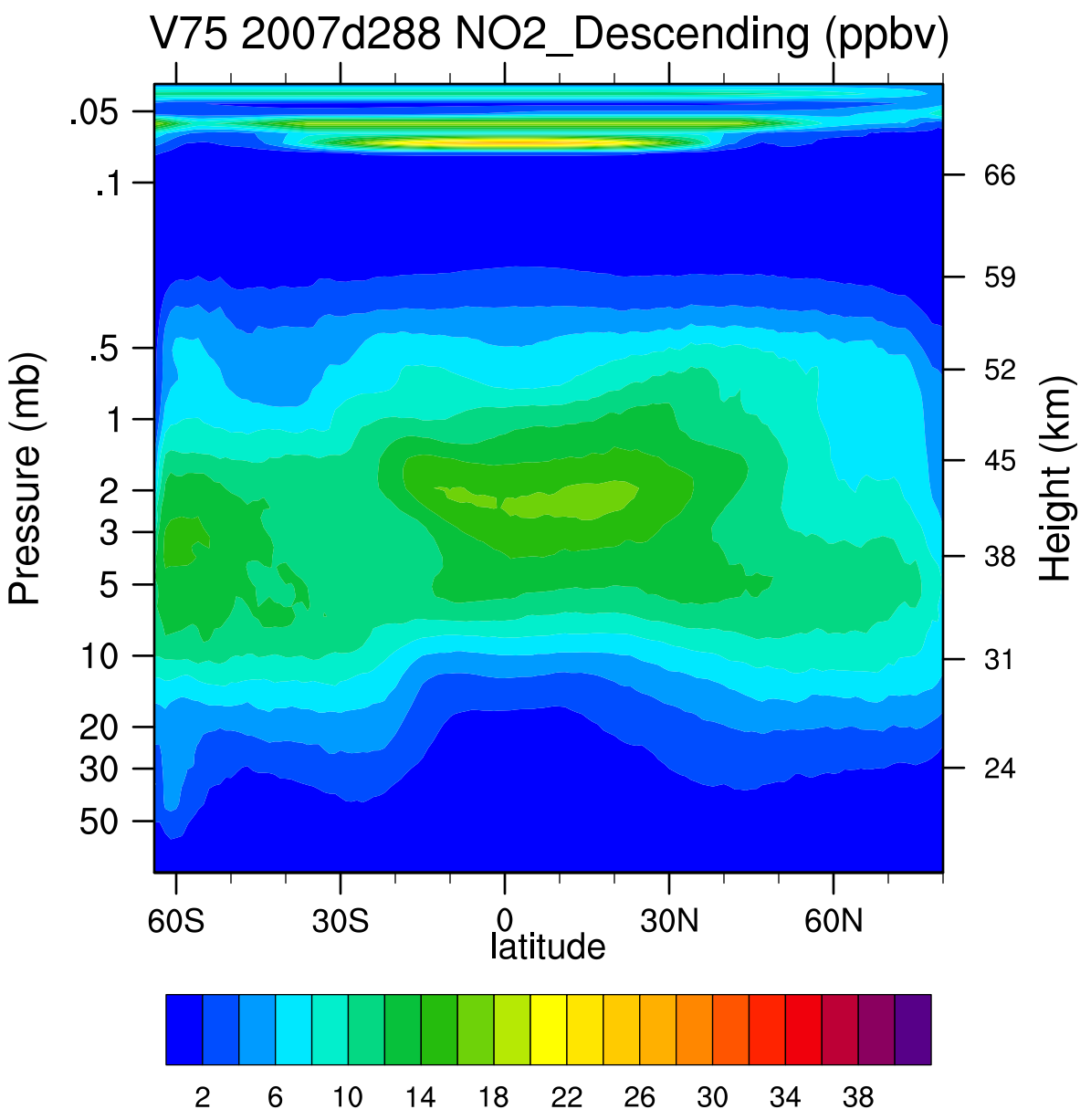
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Pressure (mb)
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5
10
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50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
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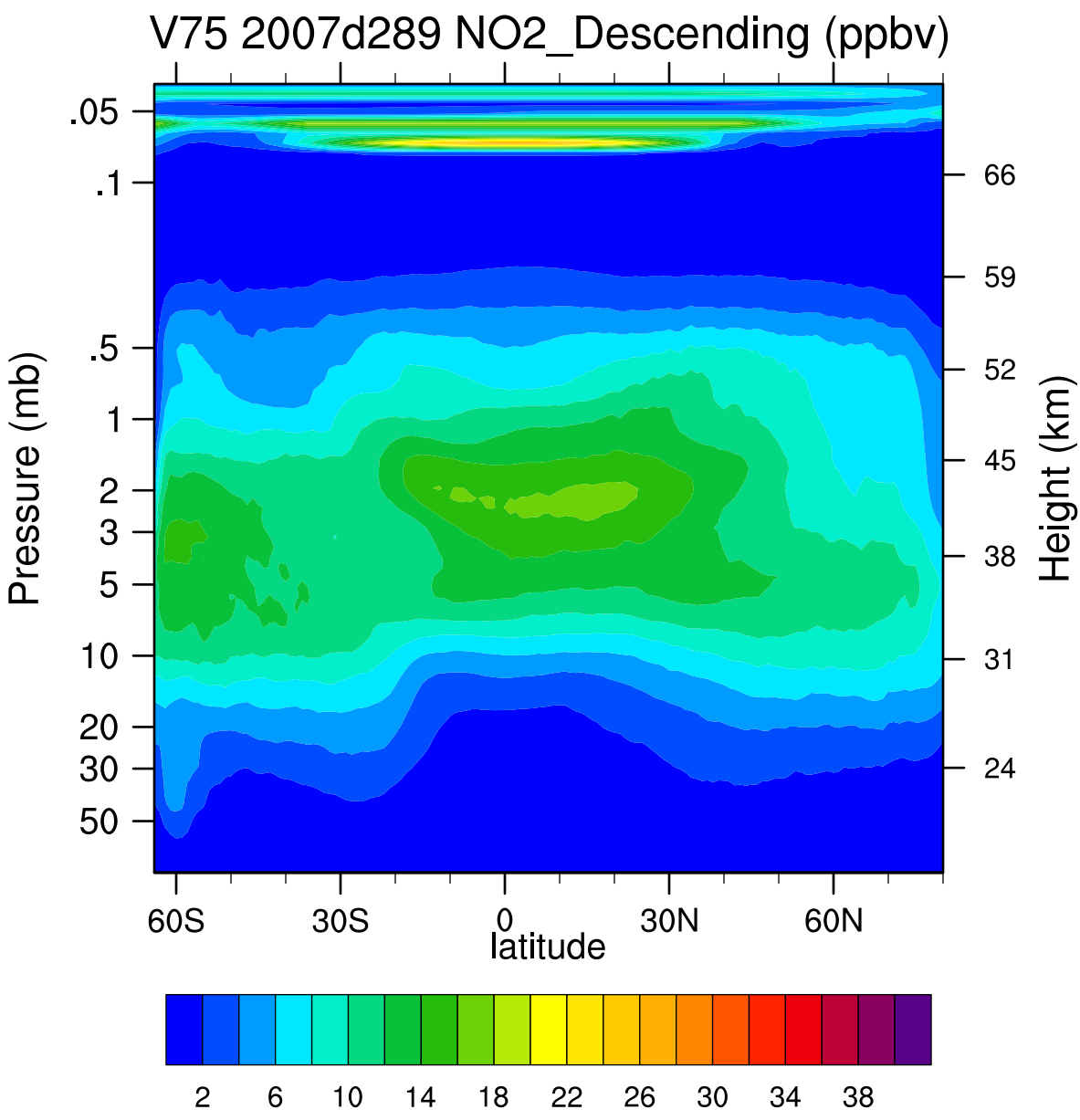
V75 2007d289 NO2_Descending (ppbv)
Pressure (mb)
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.5
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2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
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24
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30S
0
30N
60N
latitude
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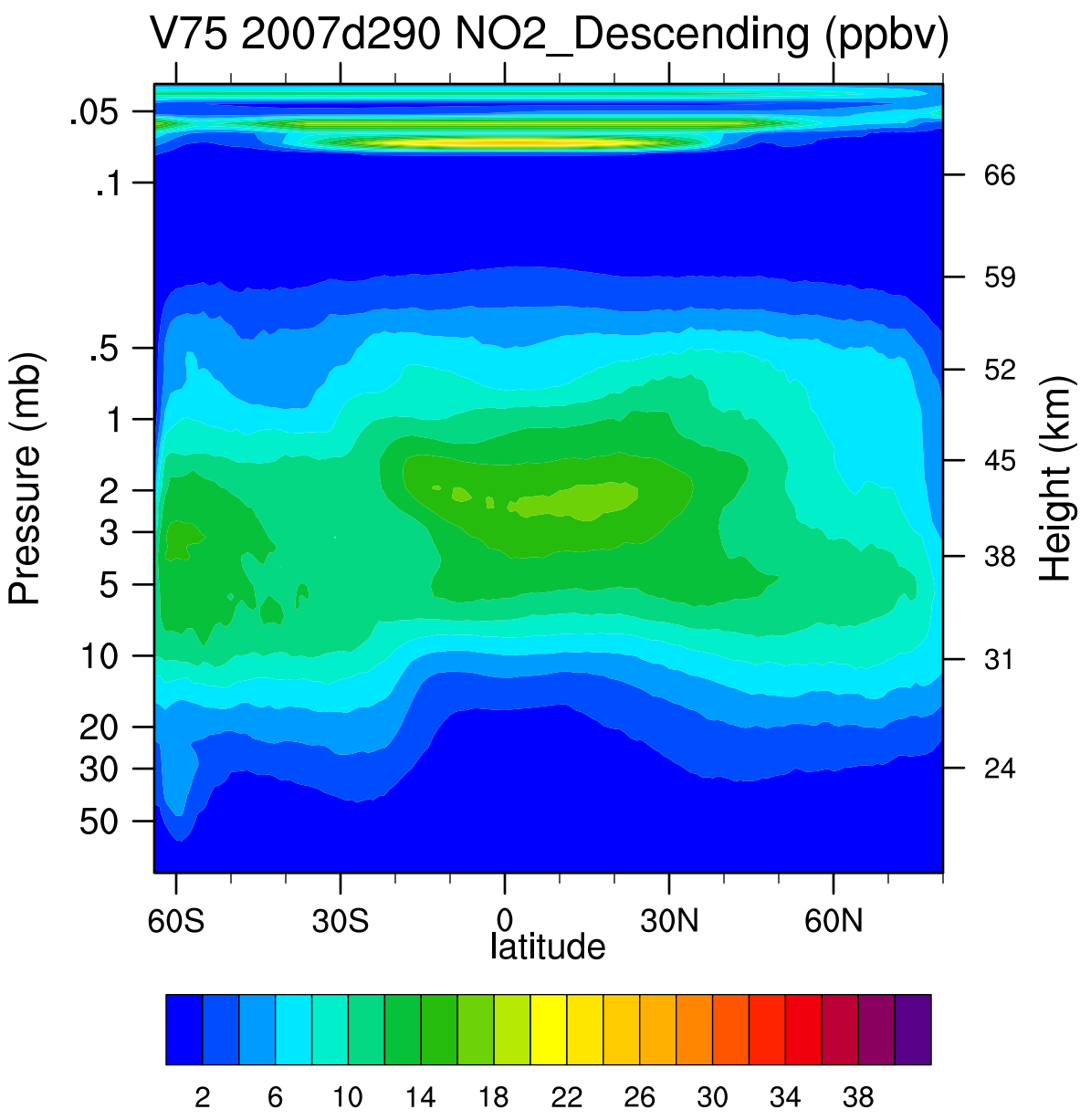
V75 2007d290 NO2_Descending (ppbv)
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Height (km)
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59
52
45
38
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30S
0
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60N
latitude
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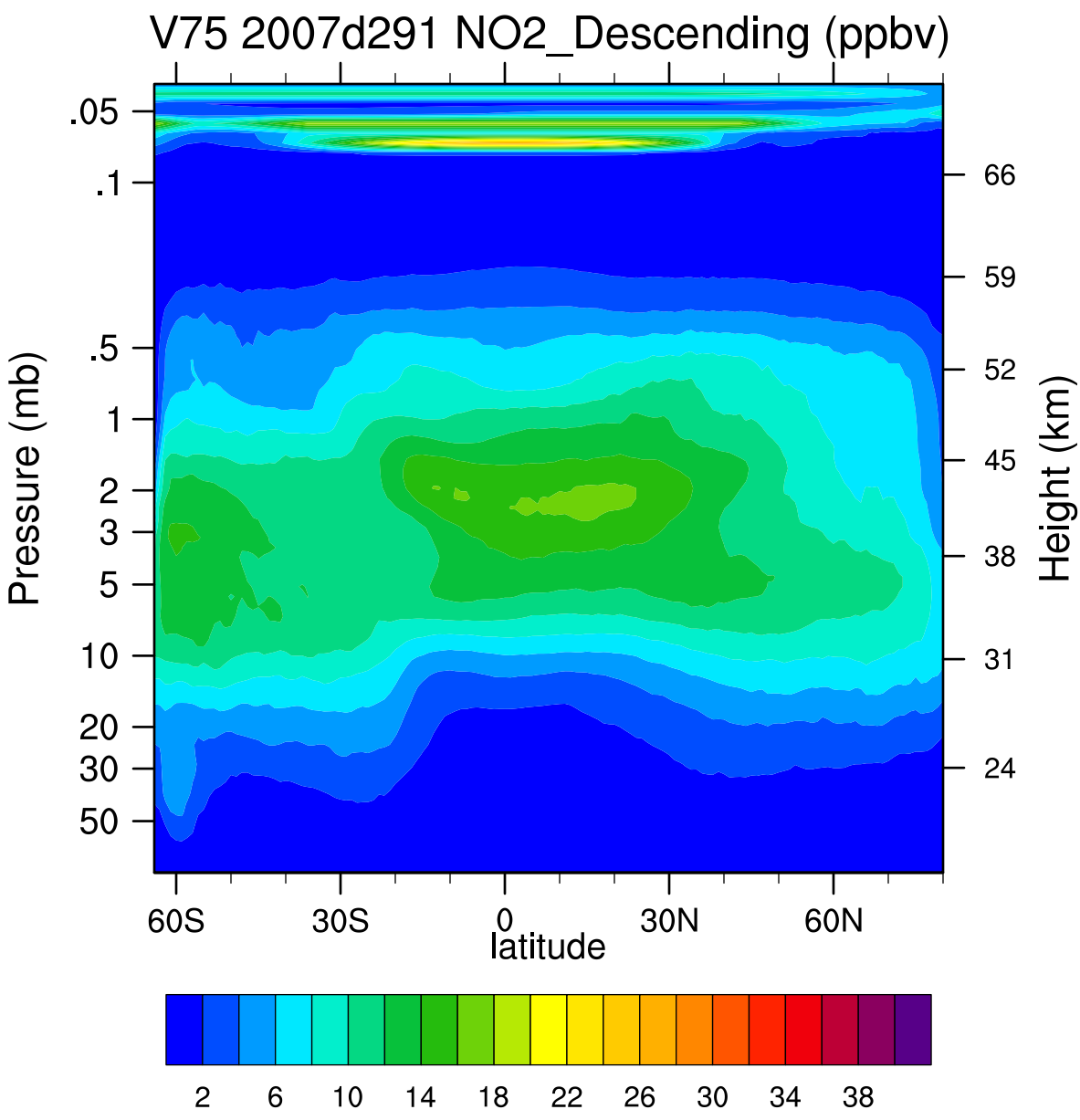
V75 2007d291 NO2_Descending (ppbv)
Pressure (mb)
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.5
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2
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5
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30
50
Height (km)
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59
52
45
38
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24
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30S
0
30N
60N
latitude
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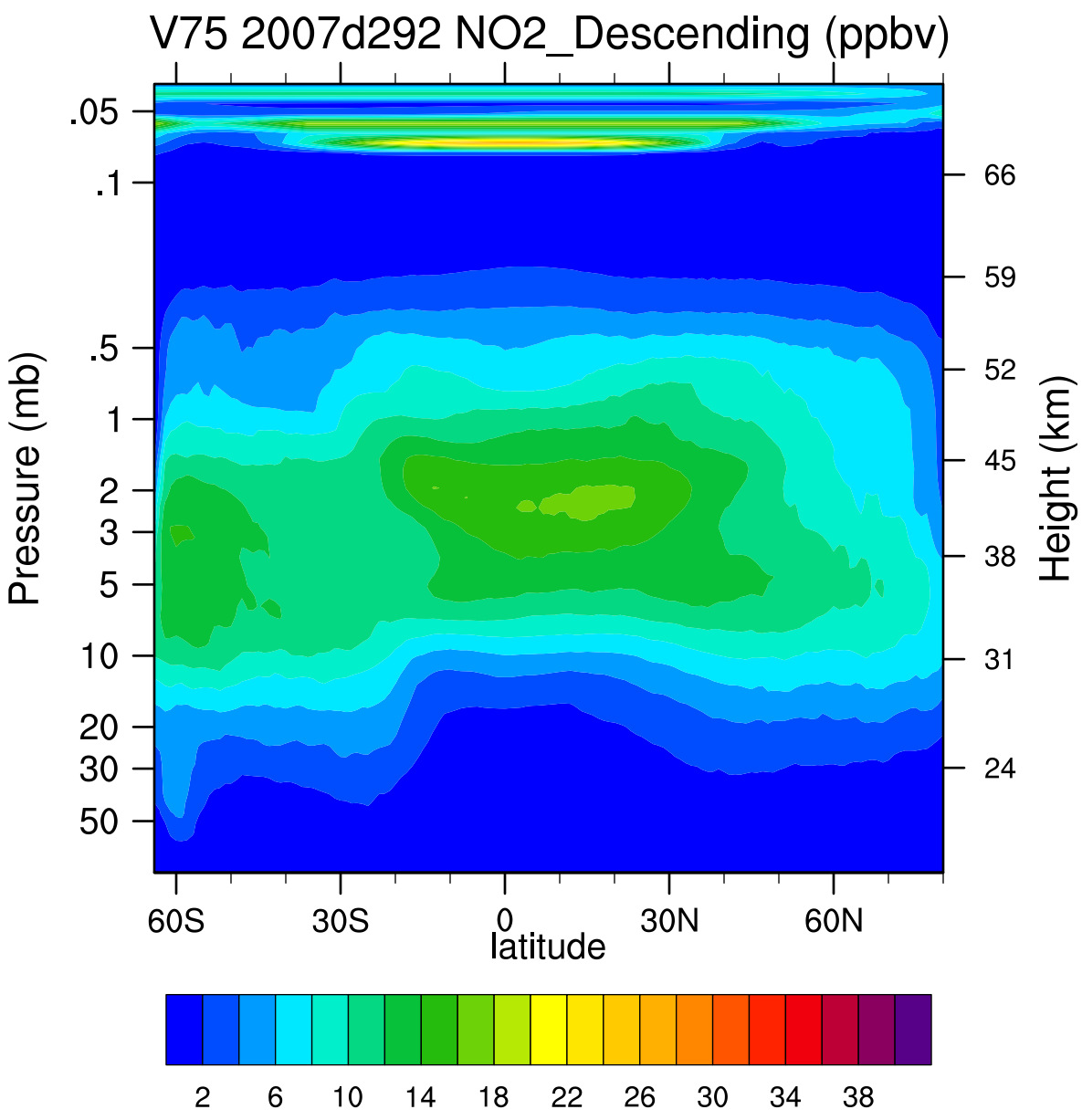
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Height (km)
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59
52
45
38
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24
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30S
0
30N
60N
latitude
2
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26
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34
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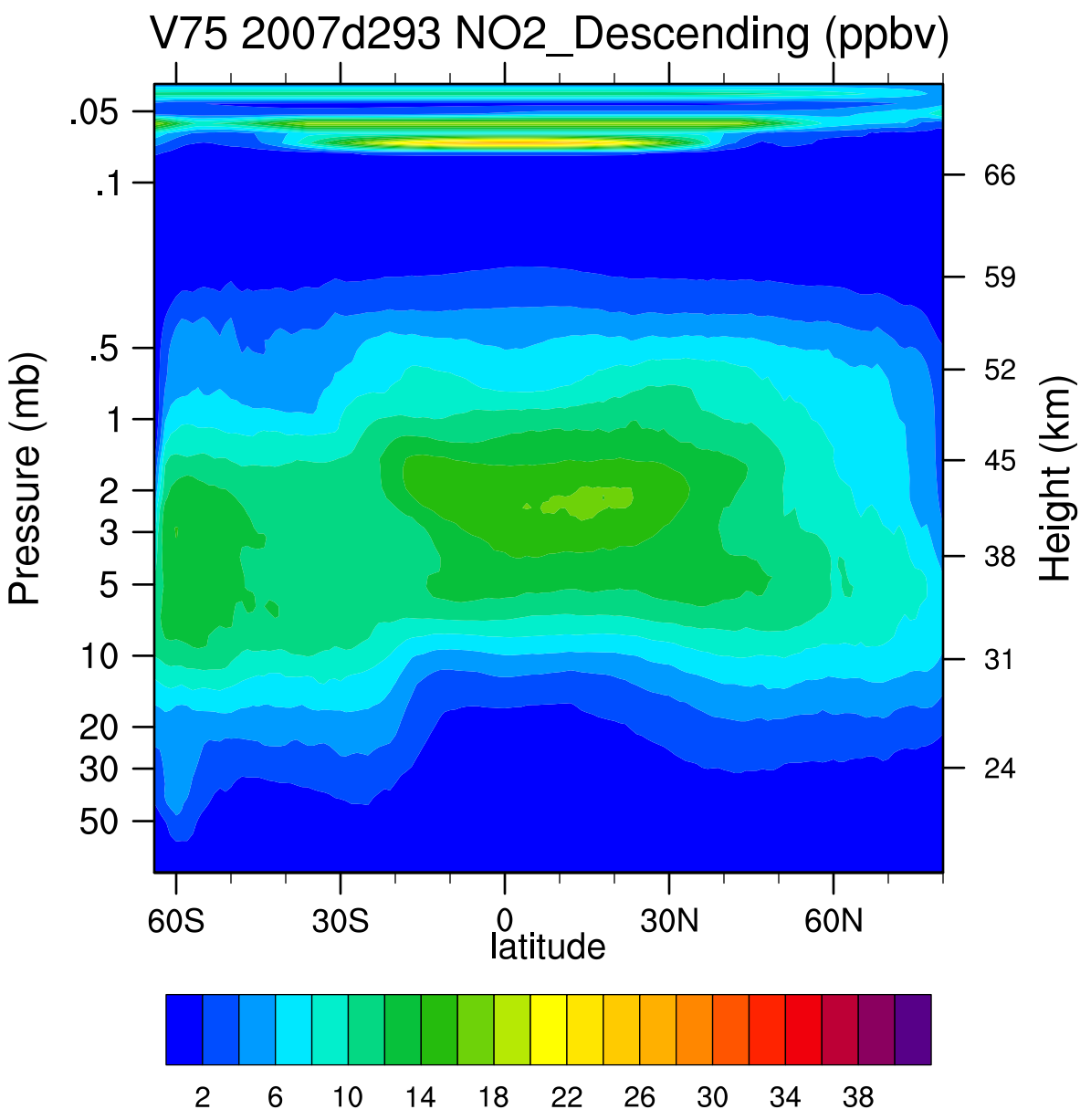
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Pressure (mb)
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59
52
45
38
31
24
Height (km)
60S
30S
0
30N
60N
latitude
2
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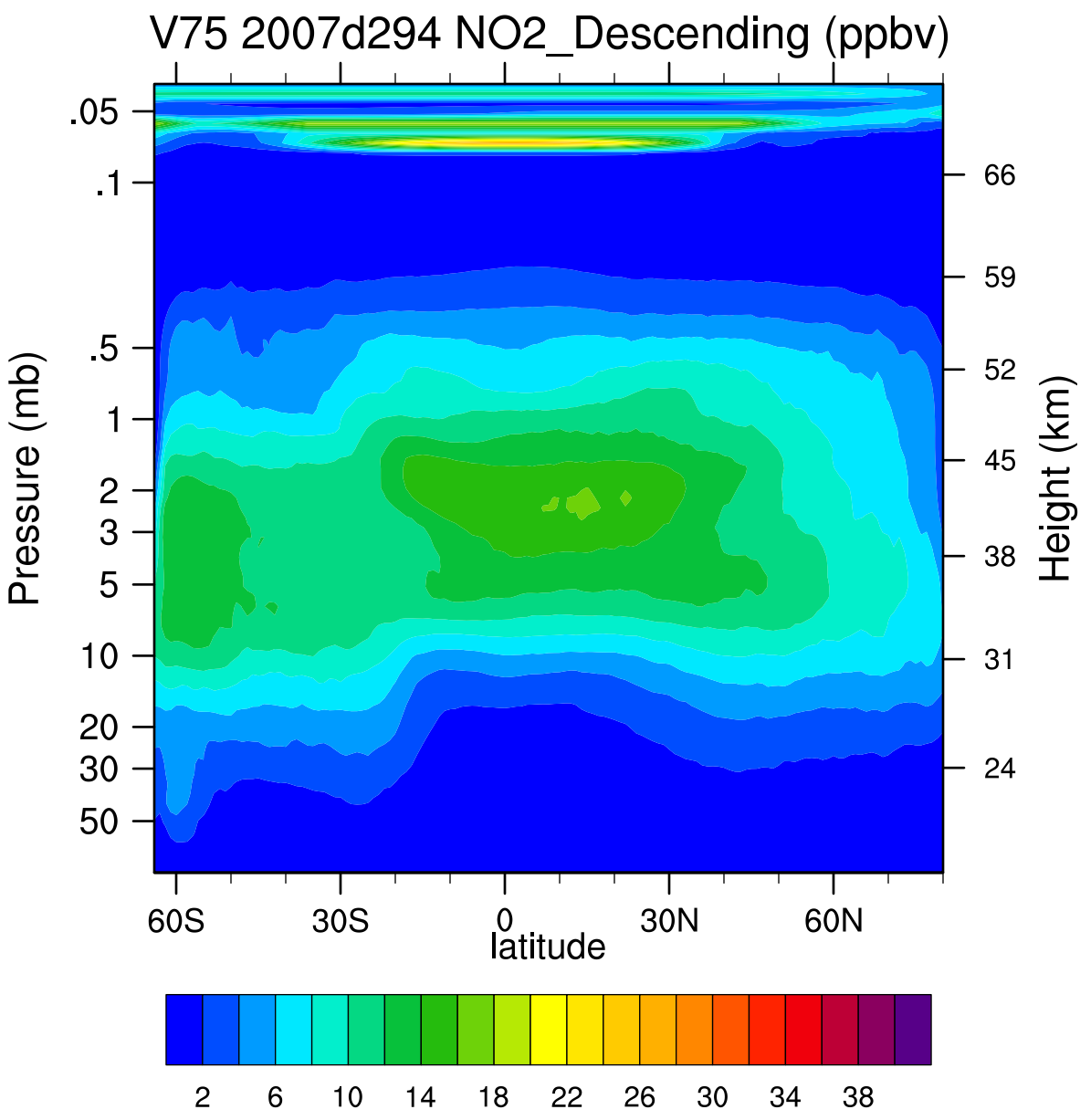
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Pressure (mb)
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59
52
45
38
31
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Height (km)
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30S
0
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60N
latitude
2
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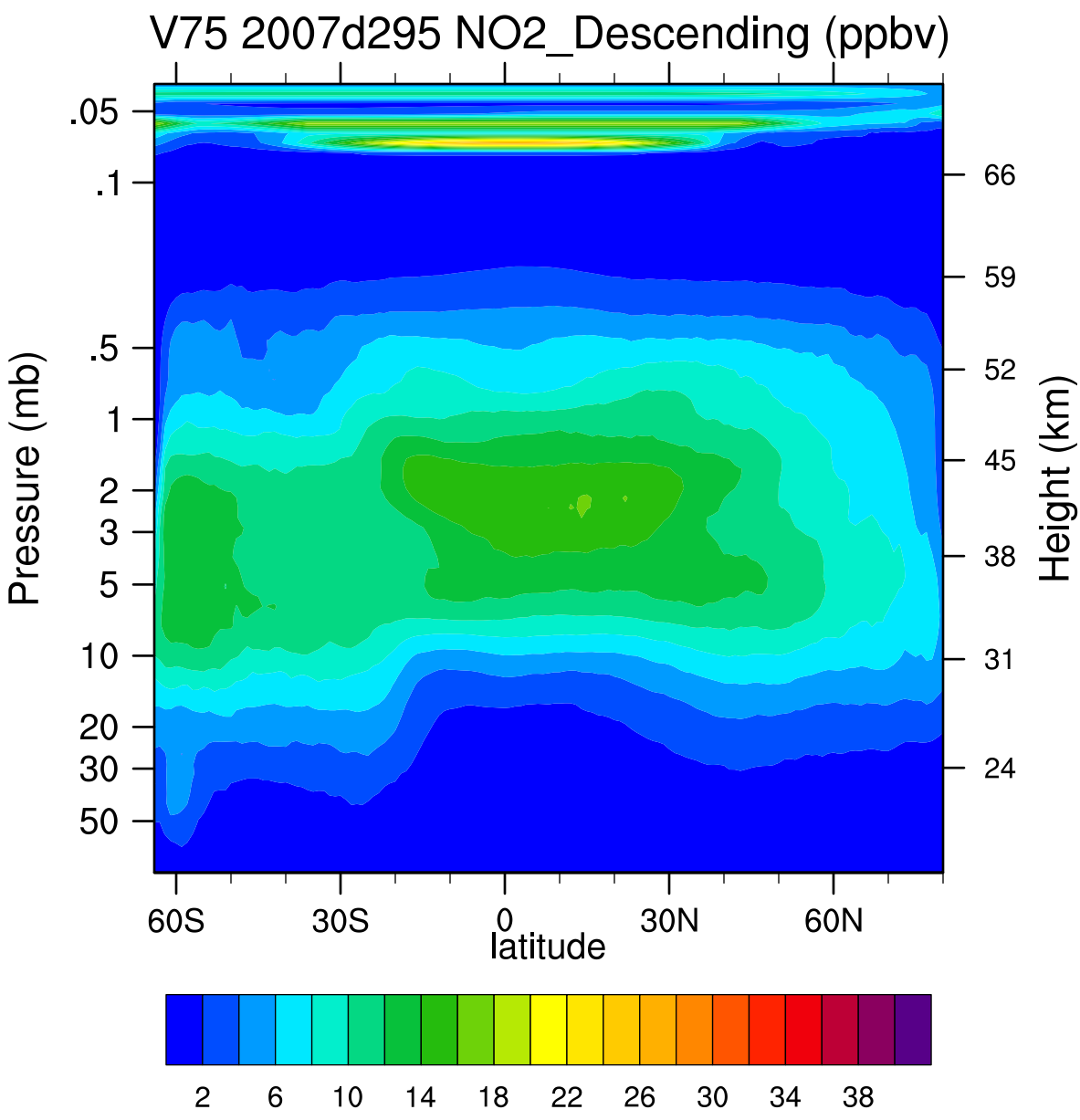
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Height (km)
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59
52
45
38
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24
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30S
0
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60N
latitude
2
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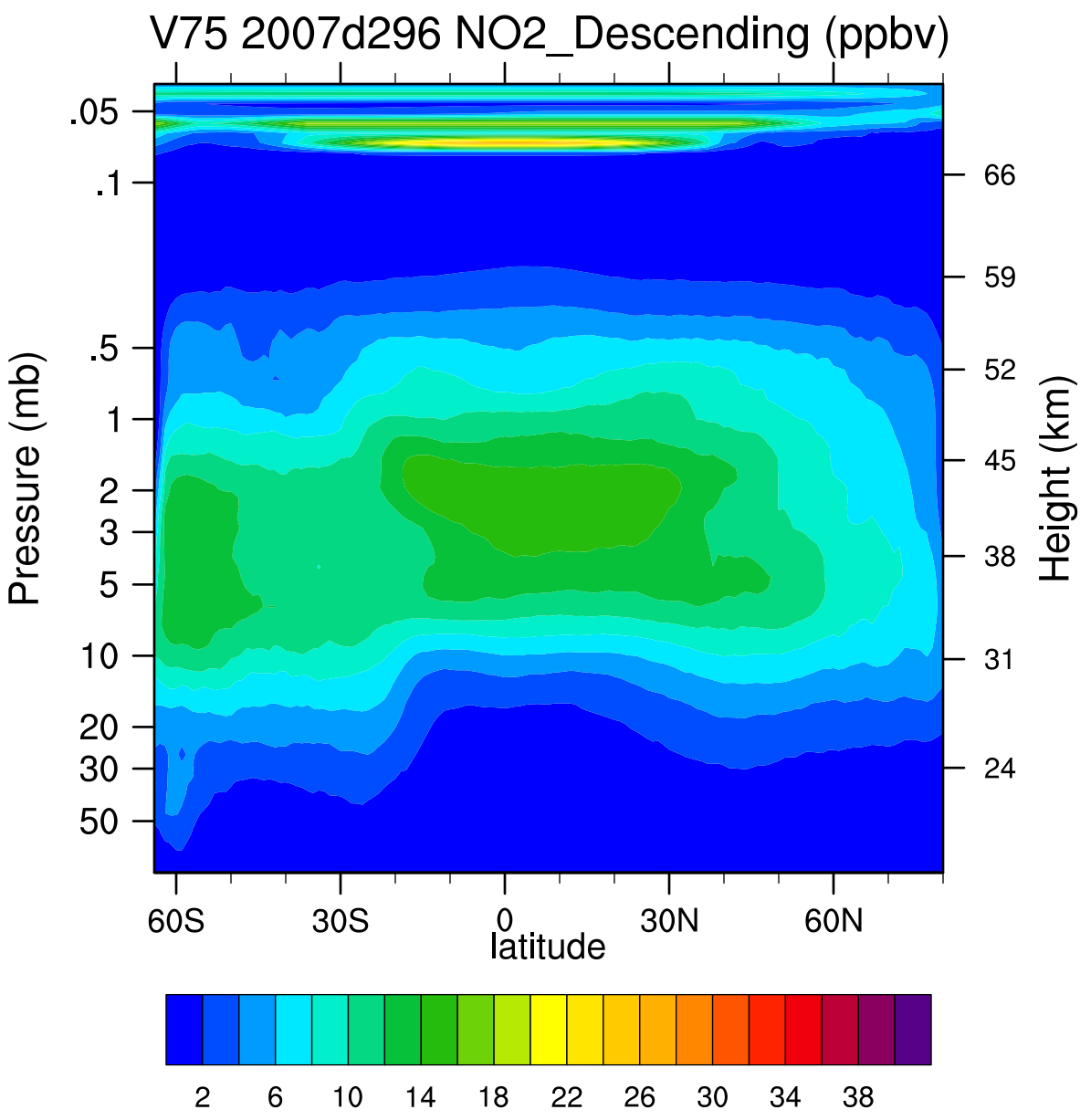
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Height (km)
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52
45
38
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24
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30S
0
30N
60N
latitude
2
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18
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26
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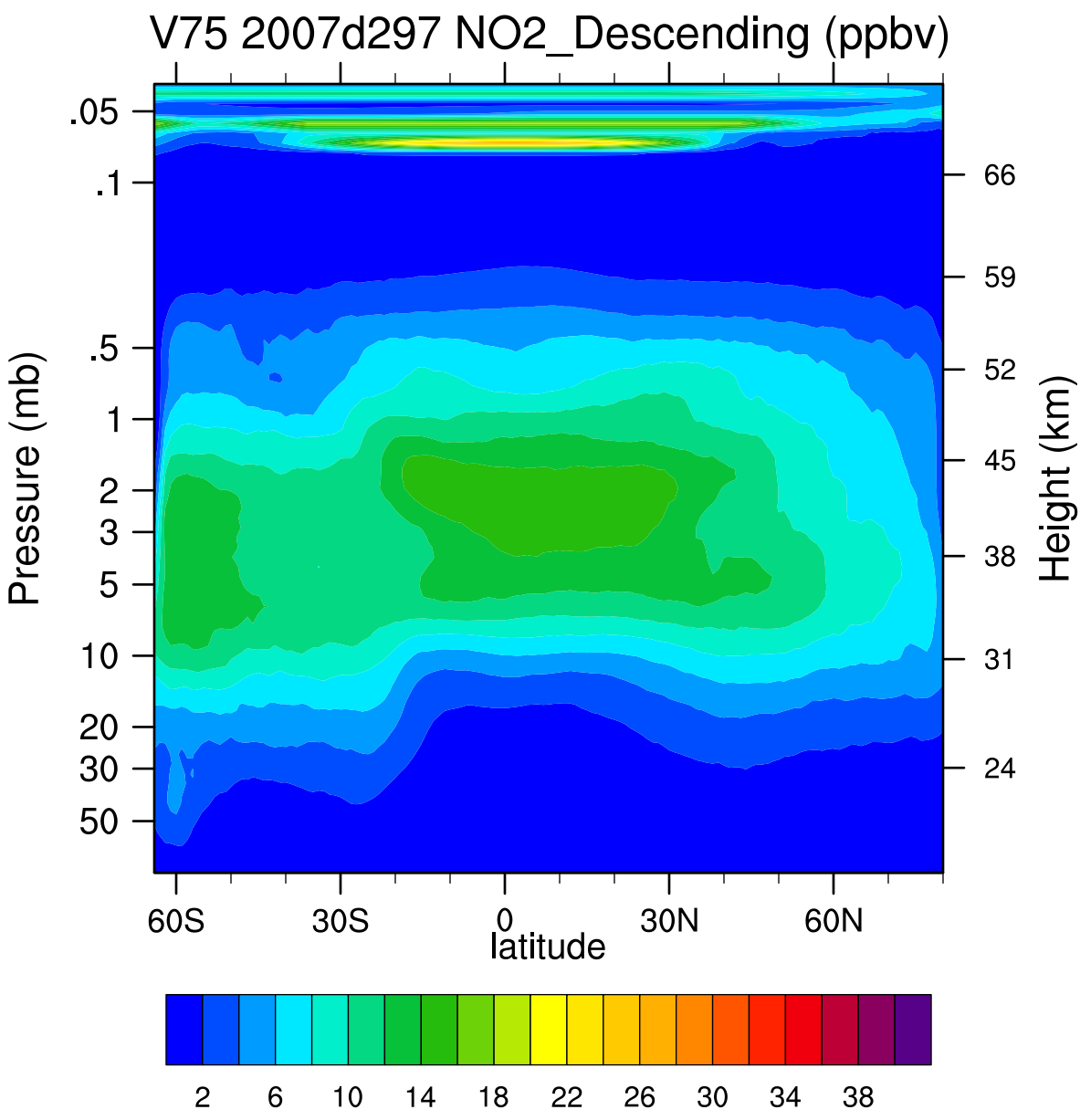
V75 2007d297 NO2_Descending (ppbv)
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Height (km)
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59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
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10
14
18
22
26
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34
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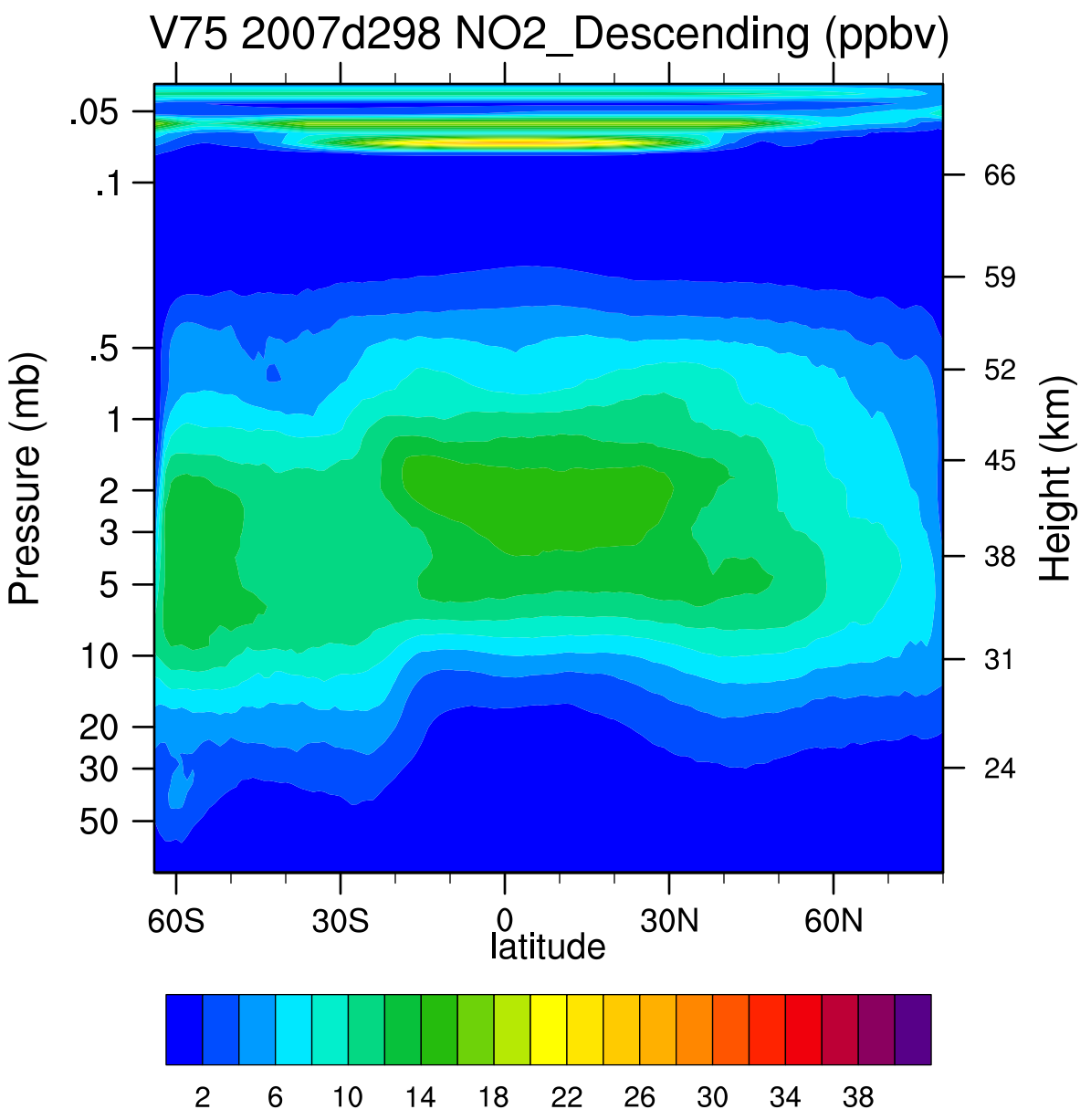
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Height (km)
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59
52
45
38
31
24
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30S
0
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60N
latitude
2
6
10
14
18
22
26
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34
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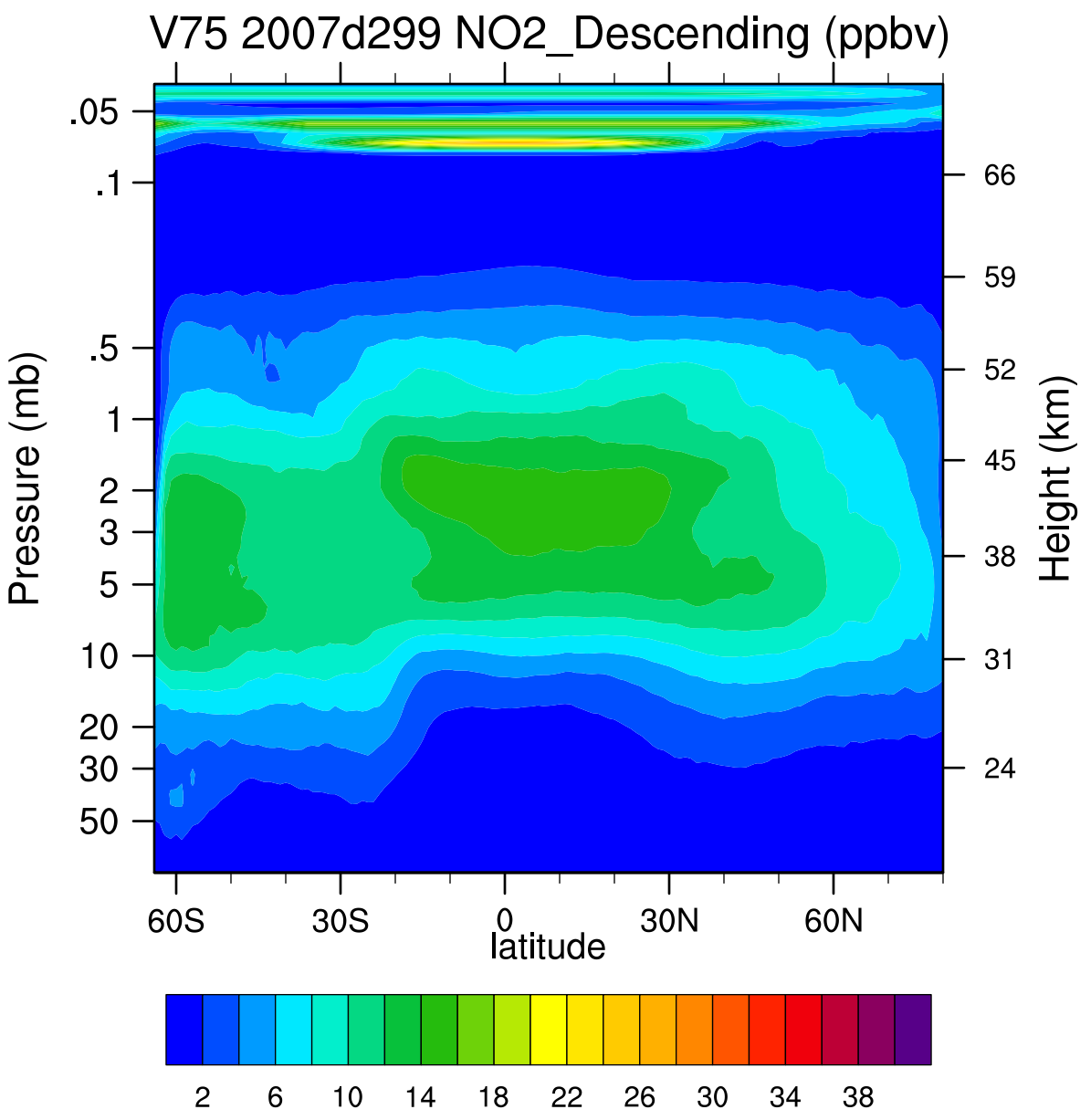
V75 2007d299 NO2_Descending (ppbv)
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30
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Pressure (mb)
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59
52
45
38
31
24
Height (km)
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
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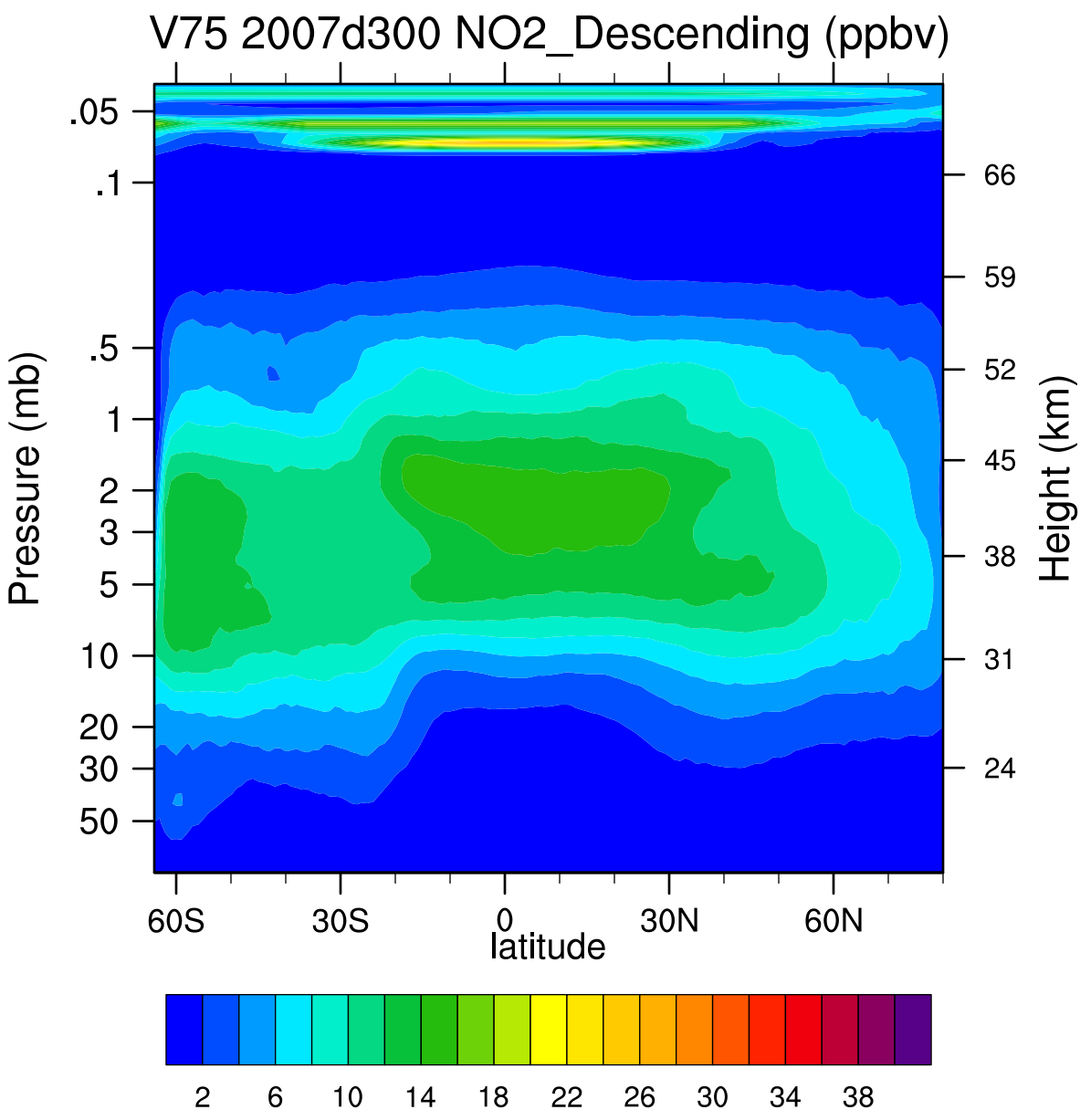
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5
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20
30
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Height (km)
66
59
52
45
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24
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30S
0
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60N
latitude
2
6
10
14
18
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26
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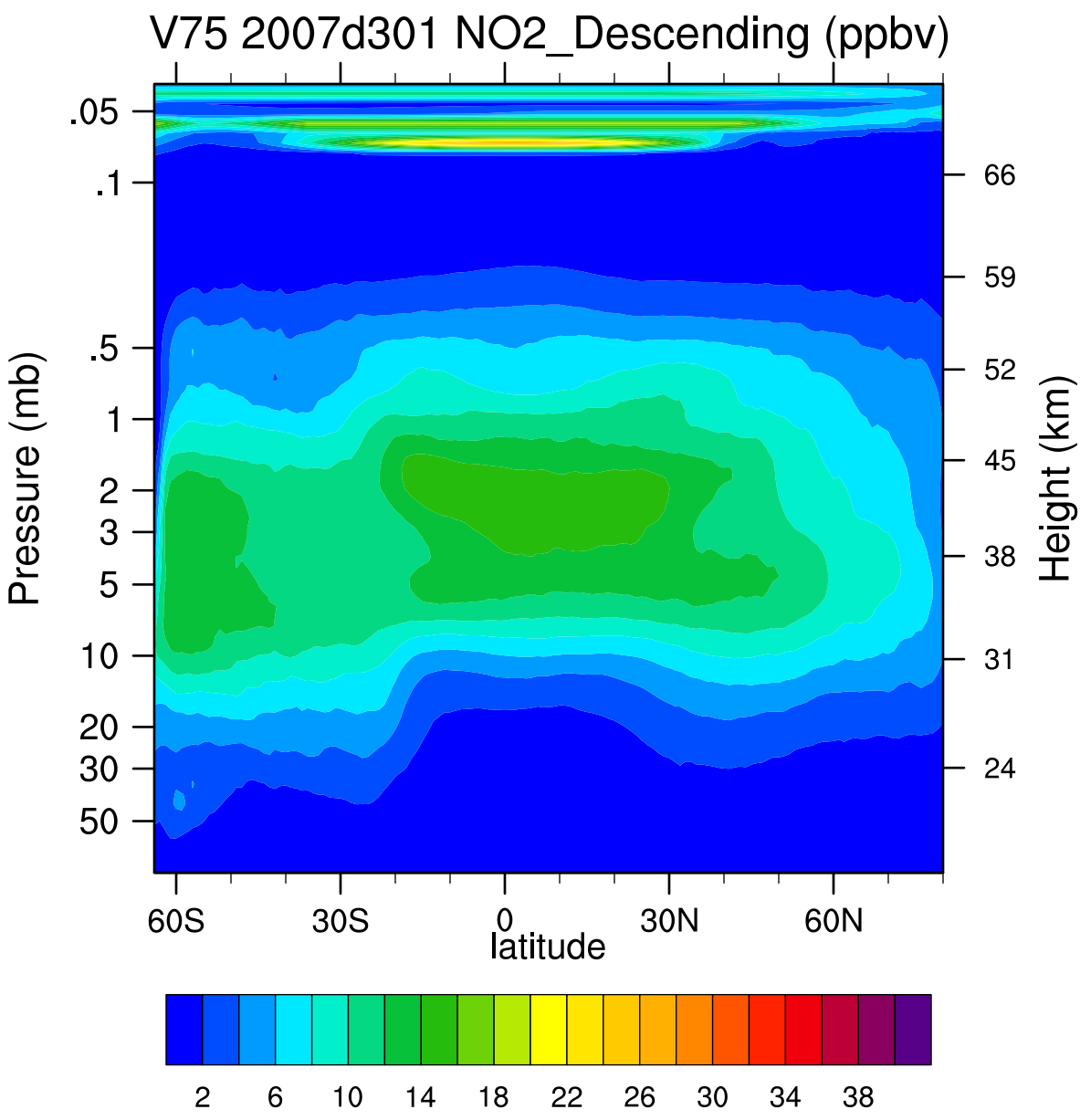
V75 2007d301 NO2_Descending (ppbv)
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Height (km)
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59
52
45
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24
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
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34
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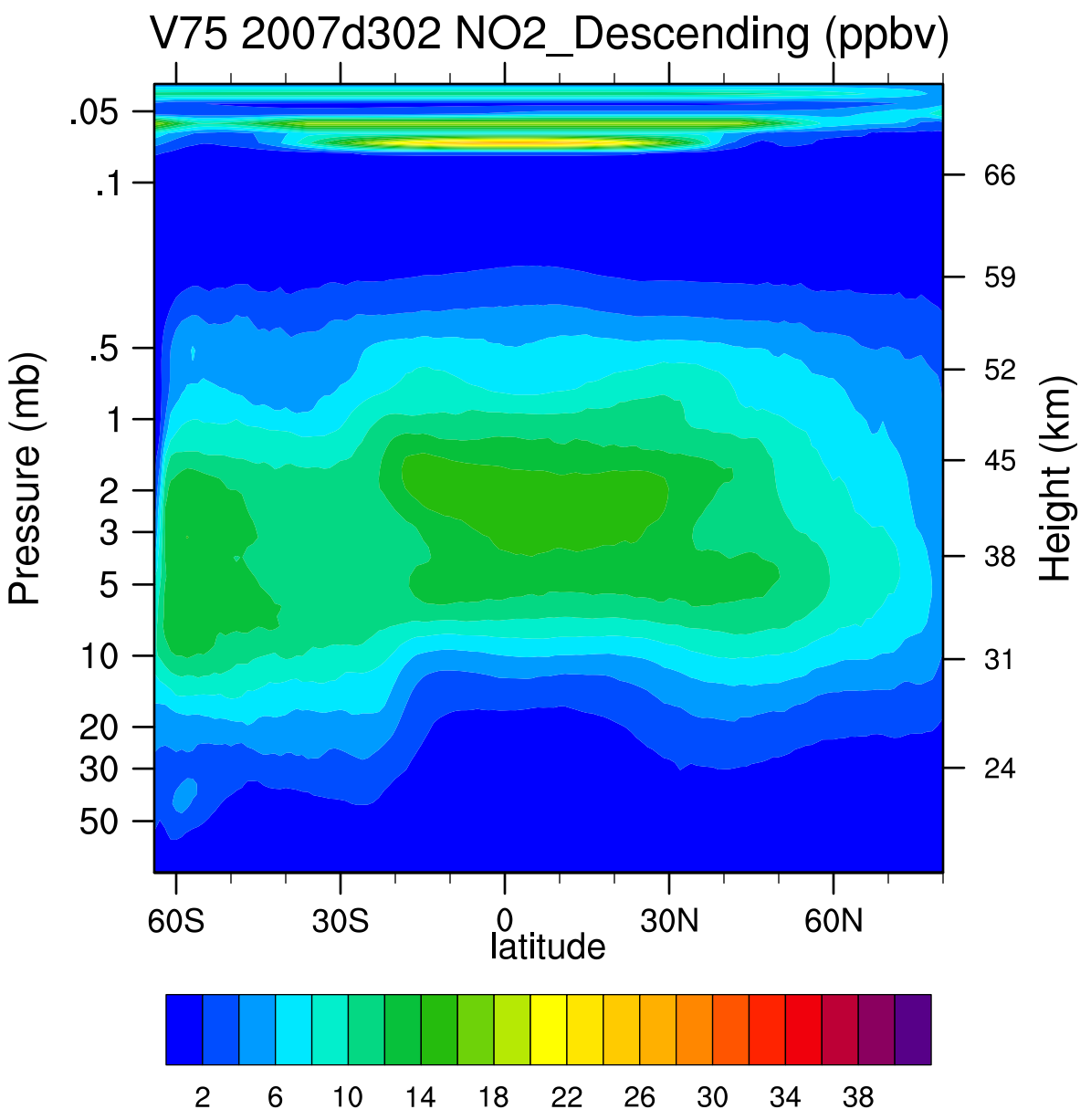
V75 2007d302 NO2_Descending (ppbv)
Pressure (mb)
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Height (km)
66
59
52
45
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24
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30S
0
30N
60N
latitude
2
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18
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26
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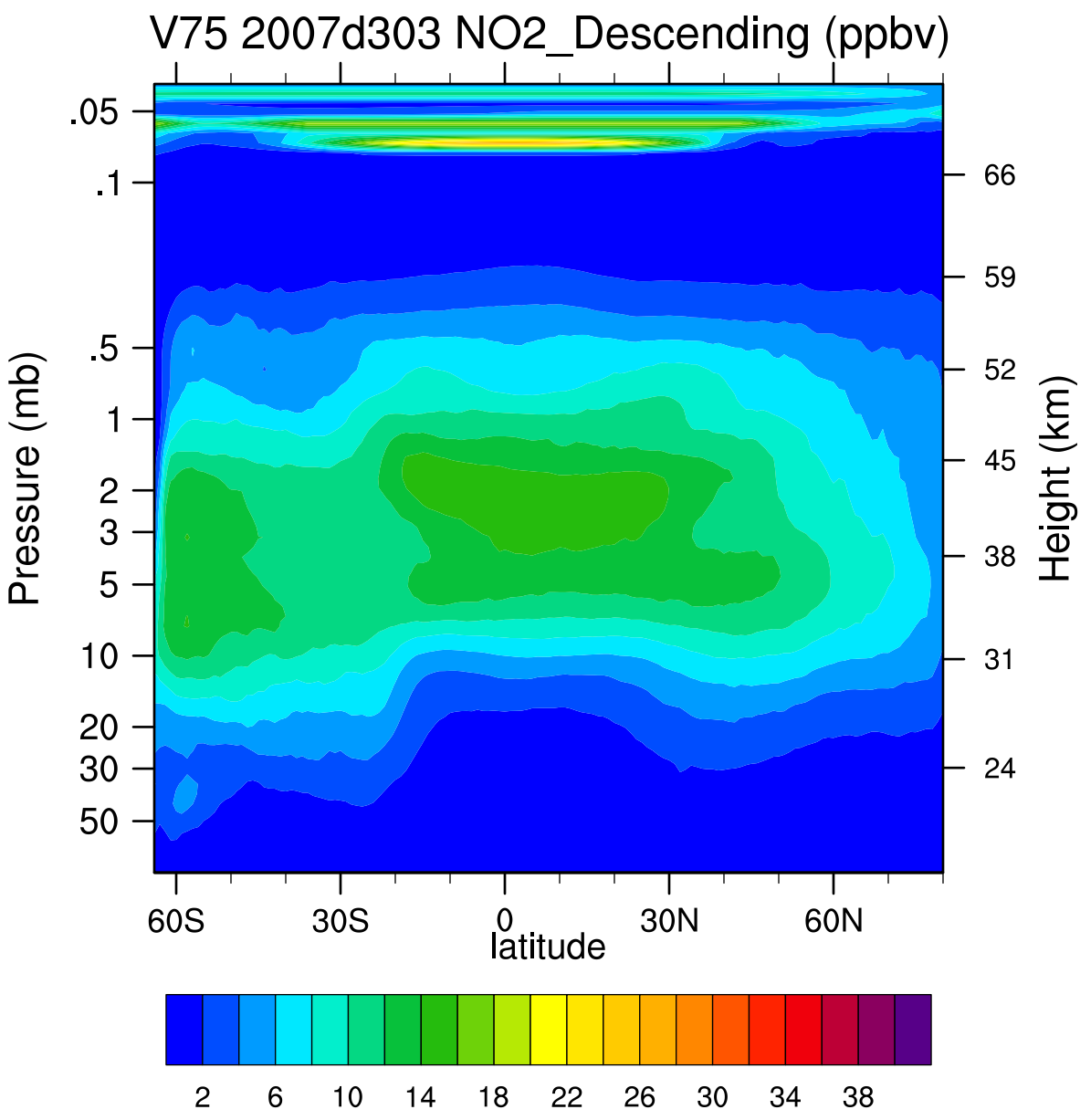
V75 2007d303 NO2_Descending (ppbv)
Pressure (mb)
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.5
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2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
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24
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30S
0
30N
60N
latitude
2
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14
18
22
26
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34
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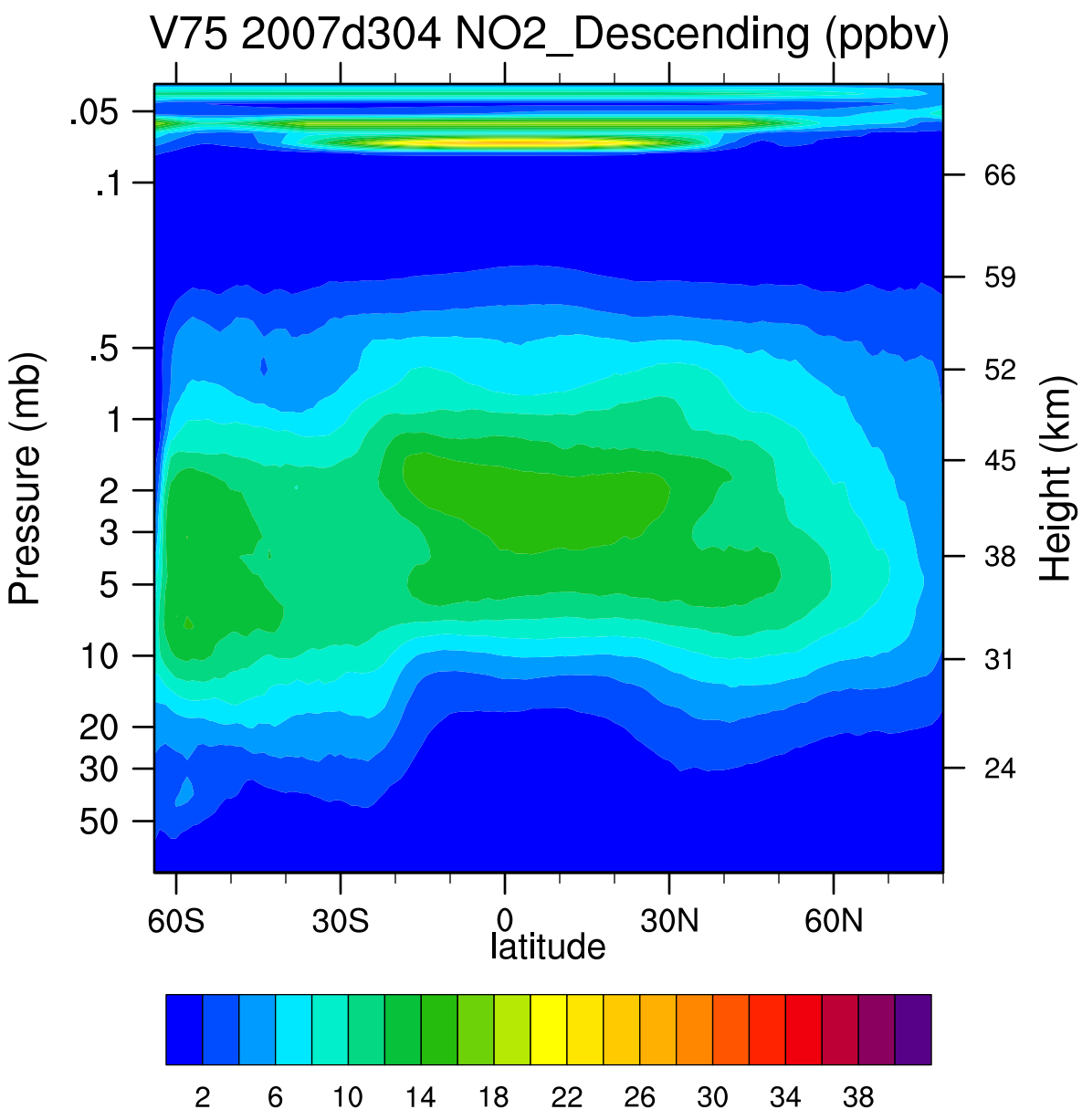
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Pressure (mb)
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Height (km)
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59
52
45
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24
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30S
0
30N
60N
latitude
2
6
10
14
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22
26
30
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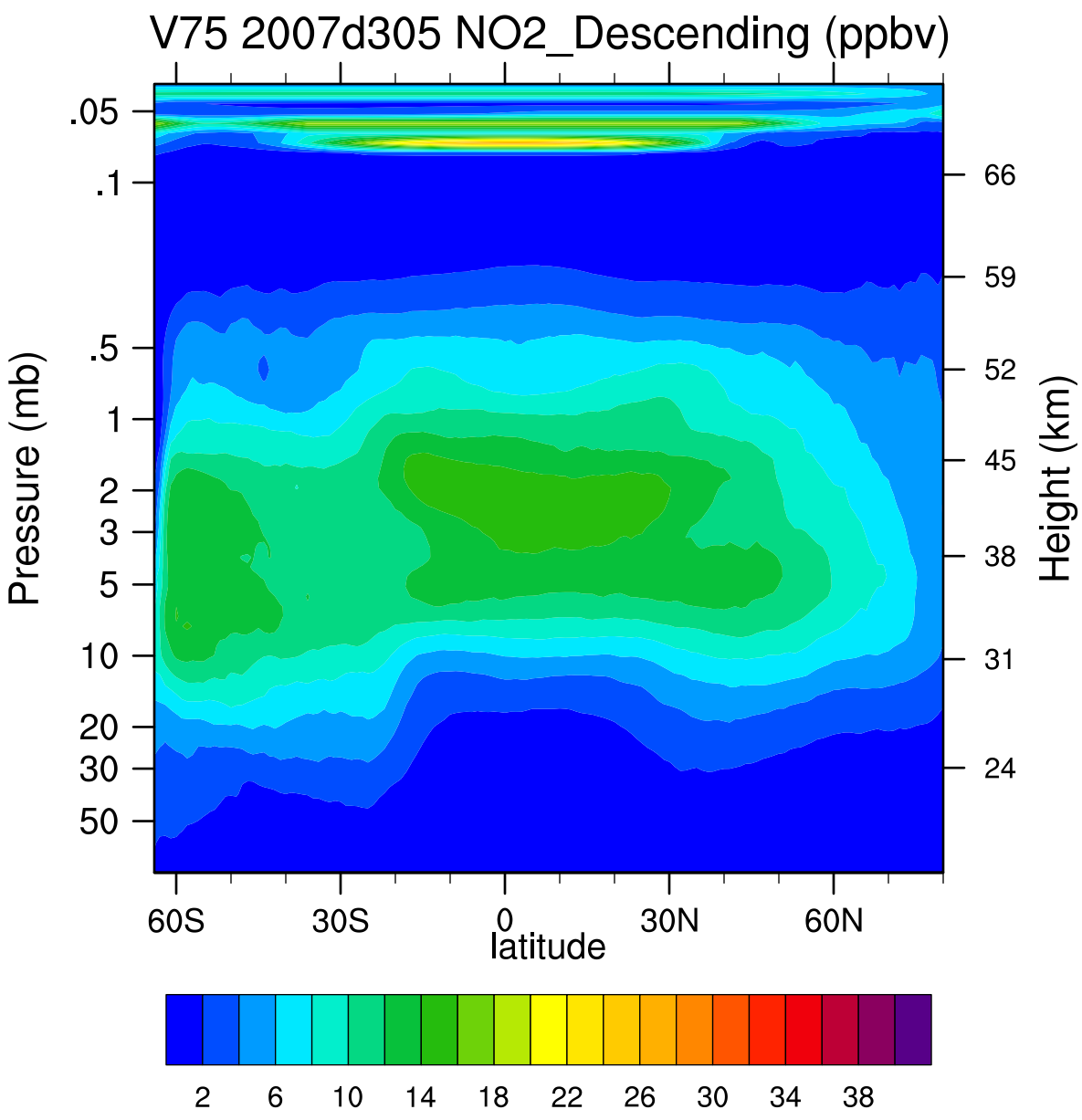
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Pressure (mb)
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1
2
3
5
10
20
30
50
Height (km)
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59
52
45
38
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24
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30S
0
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60N
latitude
2
6
10
14
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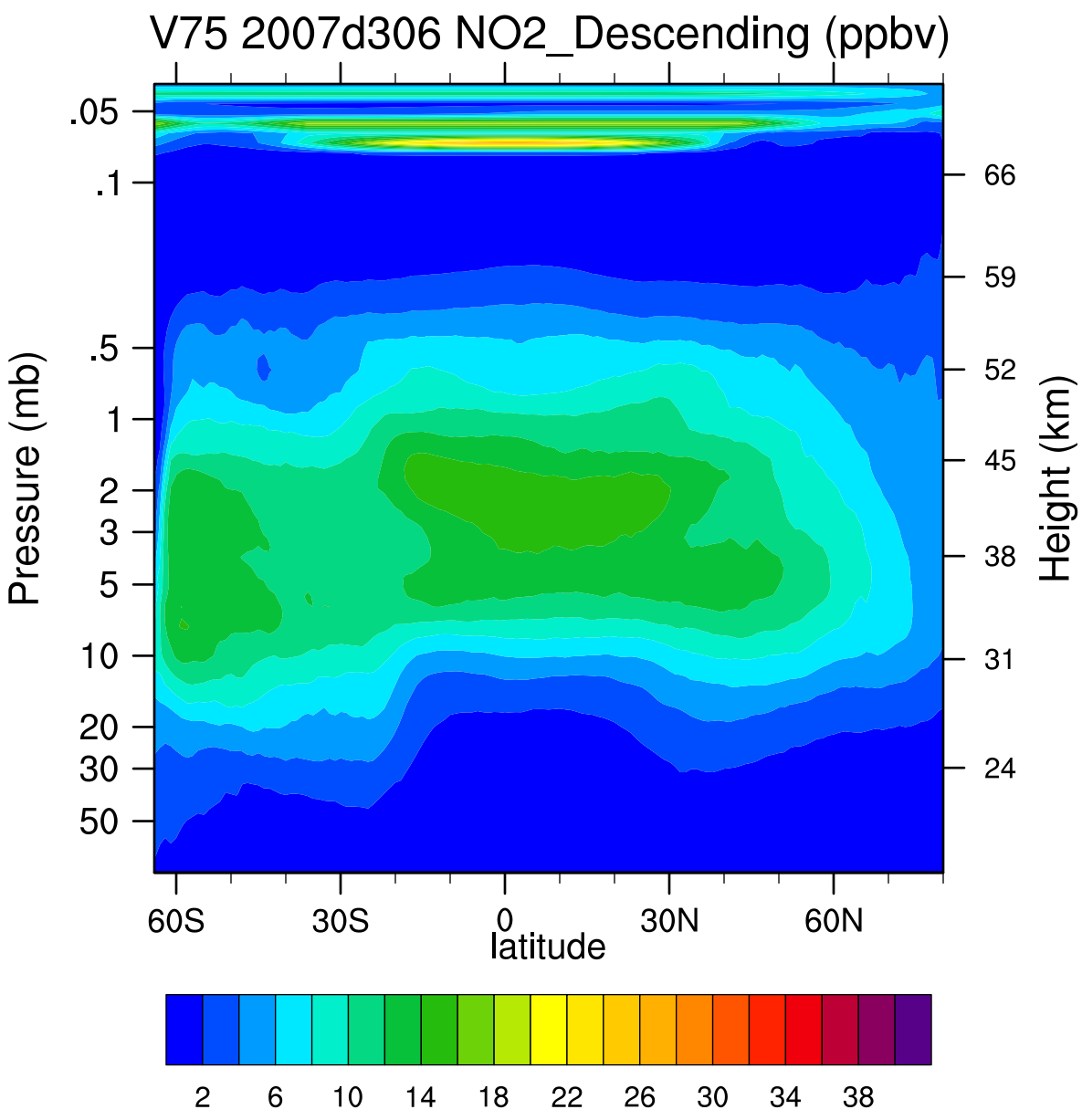
22
26
30
34
38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2
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5
10
20
30
50
Height (km)
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59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
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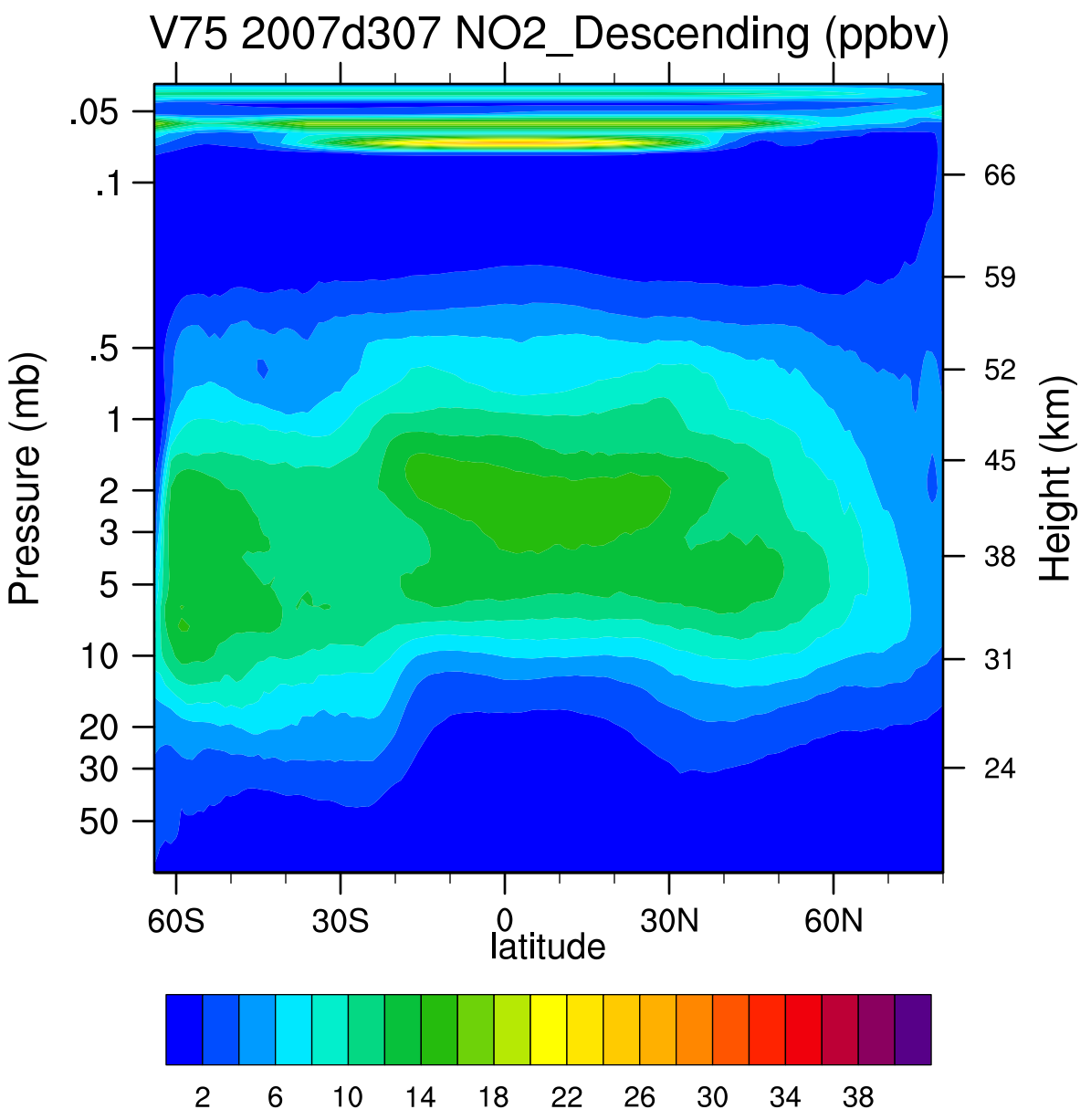
34
38


V75 2007d307 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
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Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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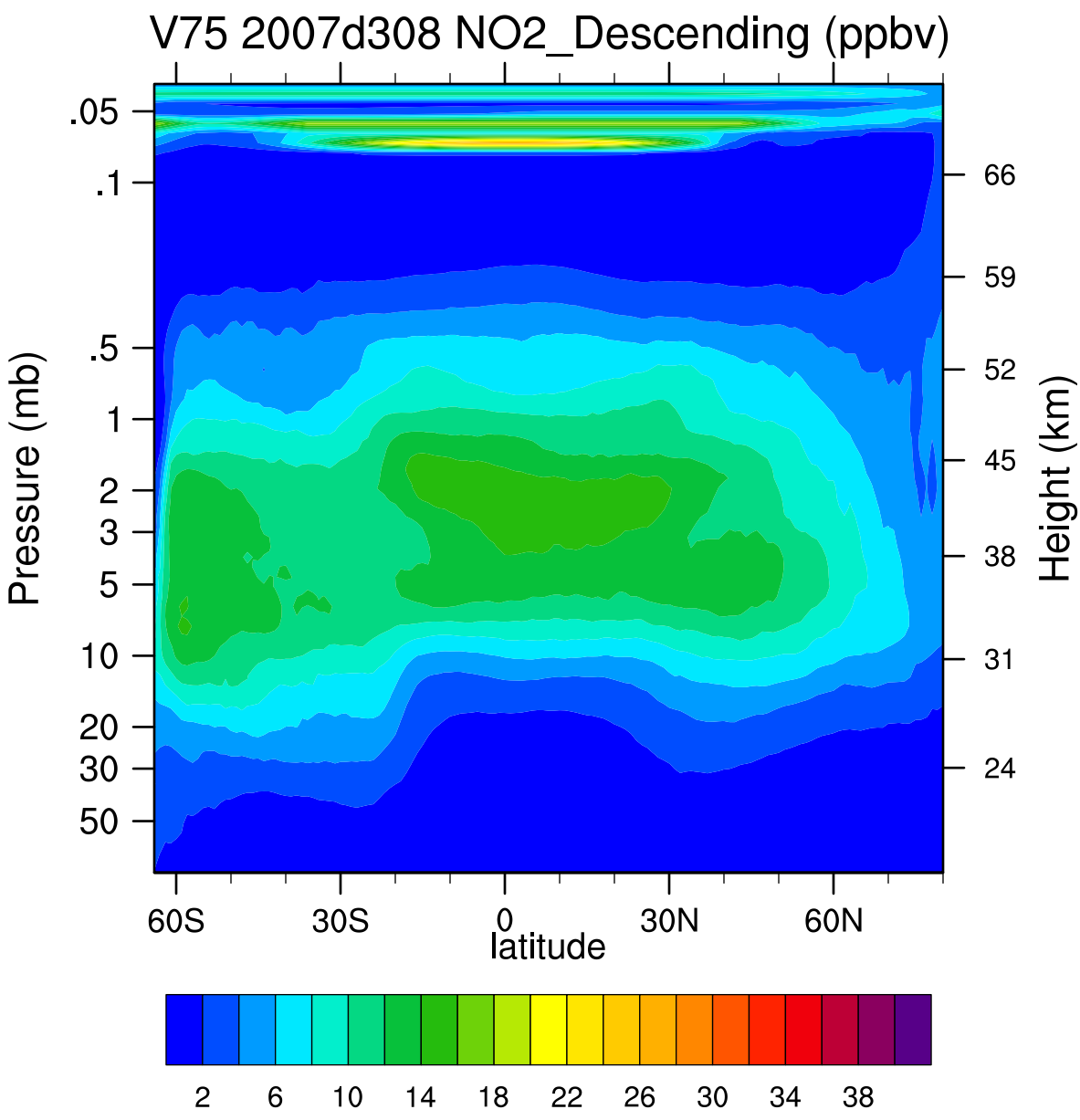
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1
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3
5
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20
30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
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34
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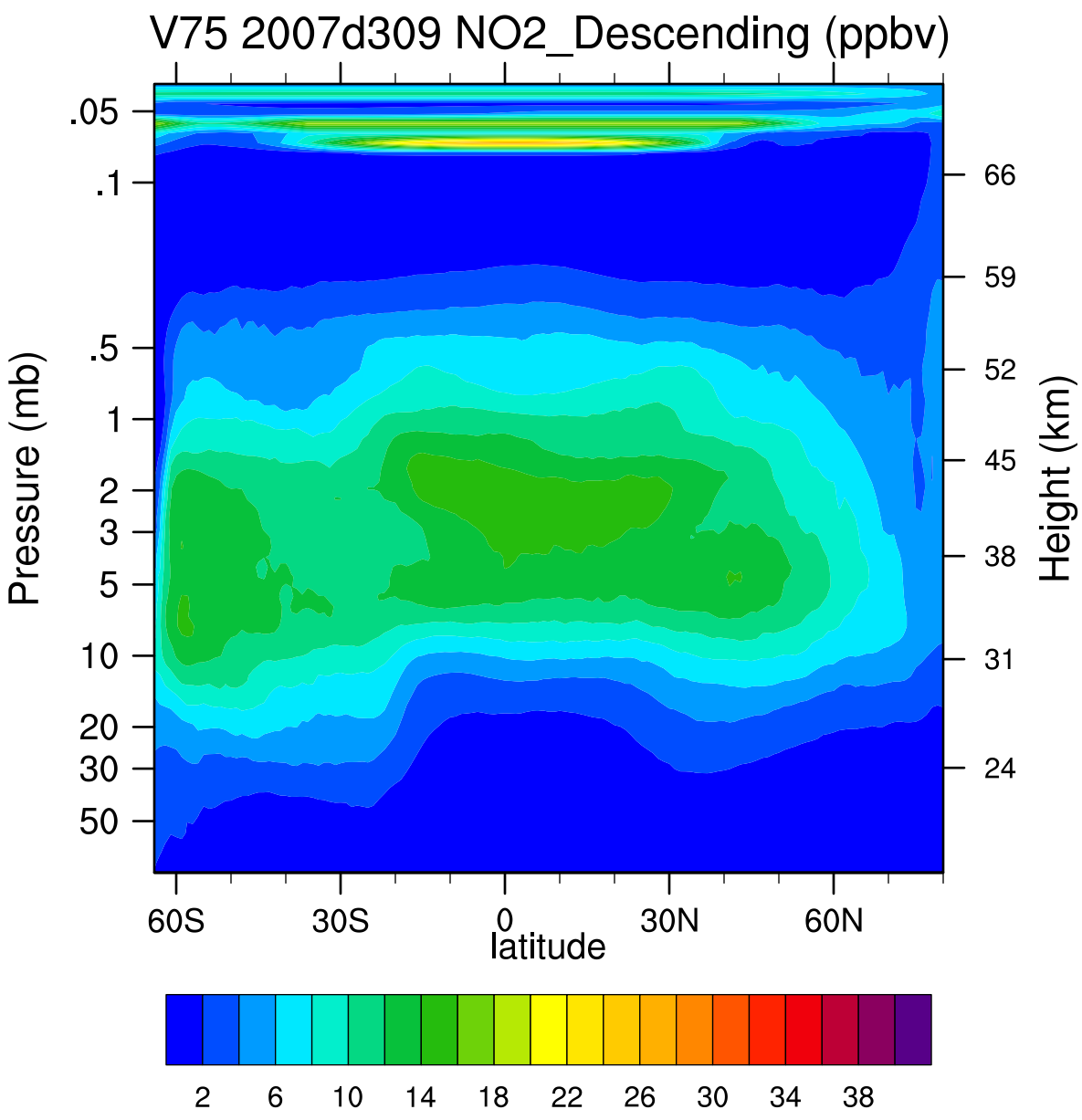
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1
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3
5
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20
30
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Pressure (mb)
66
59
52
45
38
31
24
Height (km)
60S
30S
0
30N
60N
latitude
2
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10
14
18
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26
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34
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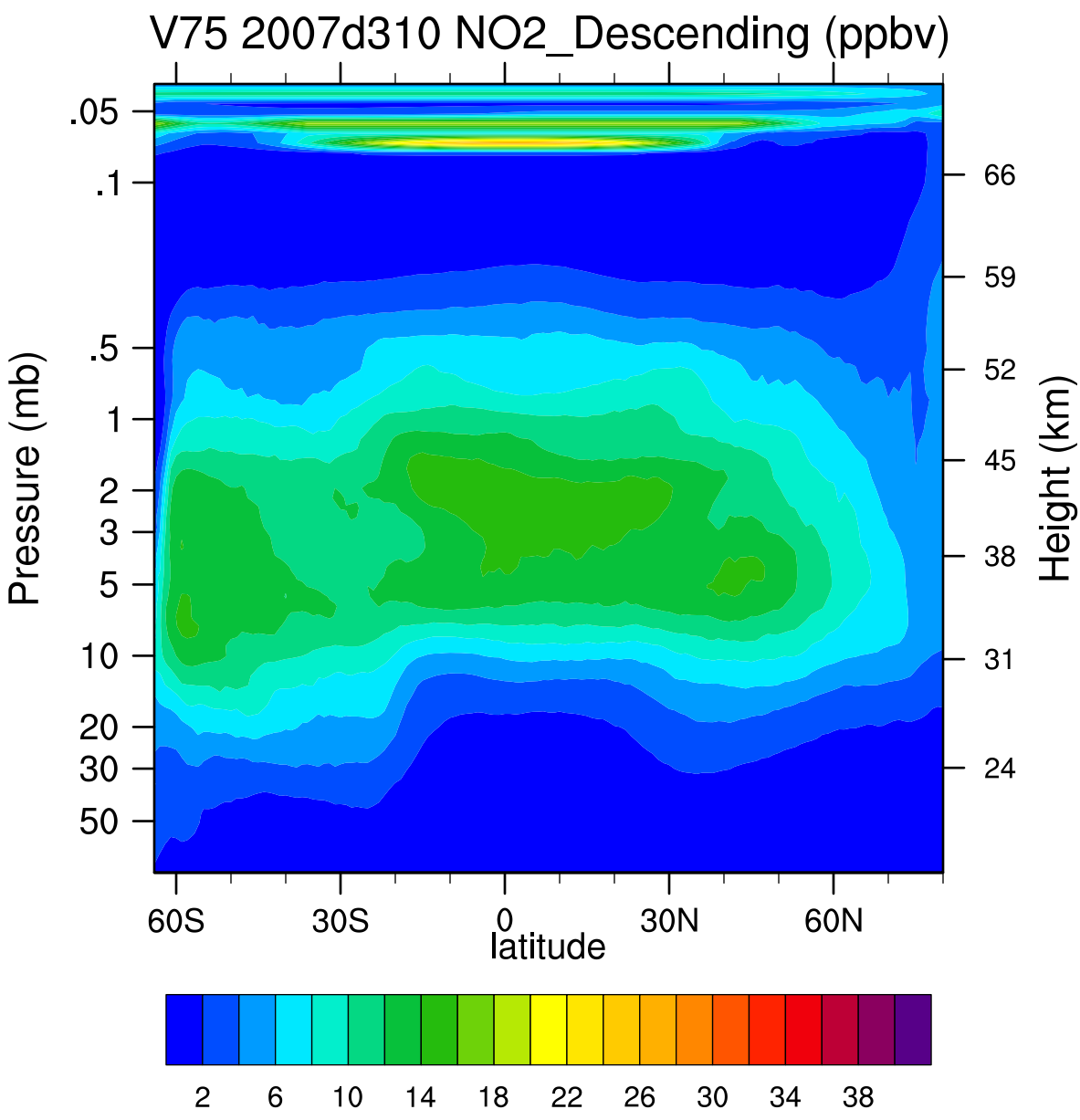
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Pressure (mb)
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.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
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34
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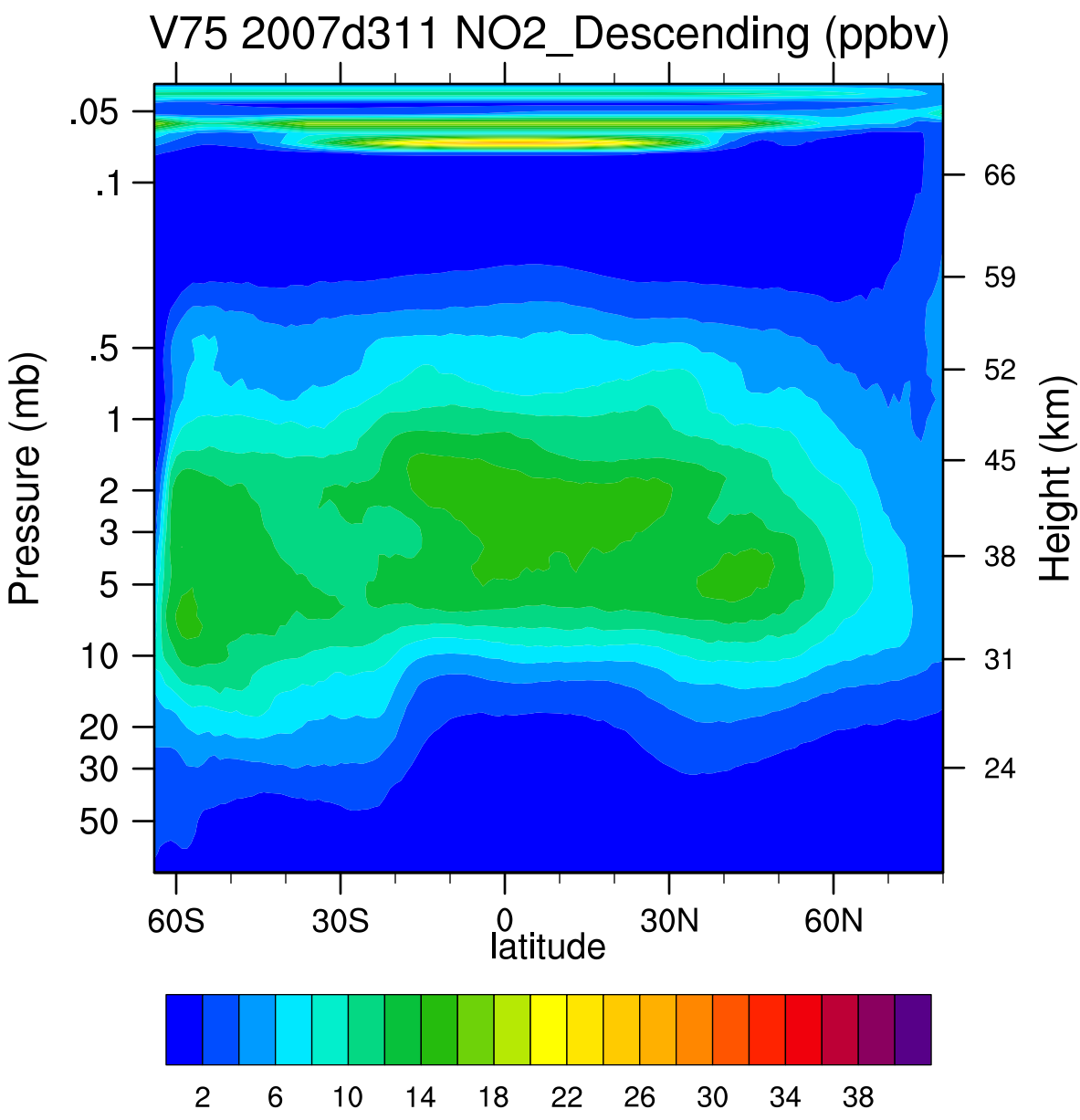
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Pressure (mb)
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2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
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24
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30S
0
30N
60N
latitude
2
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10
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18
22
26
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34
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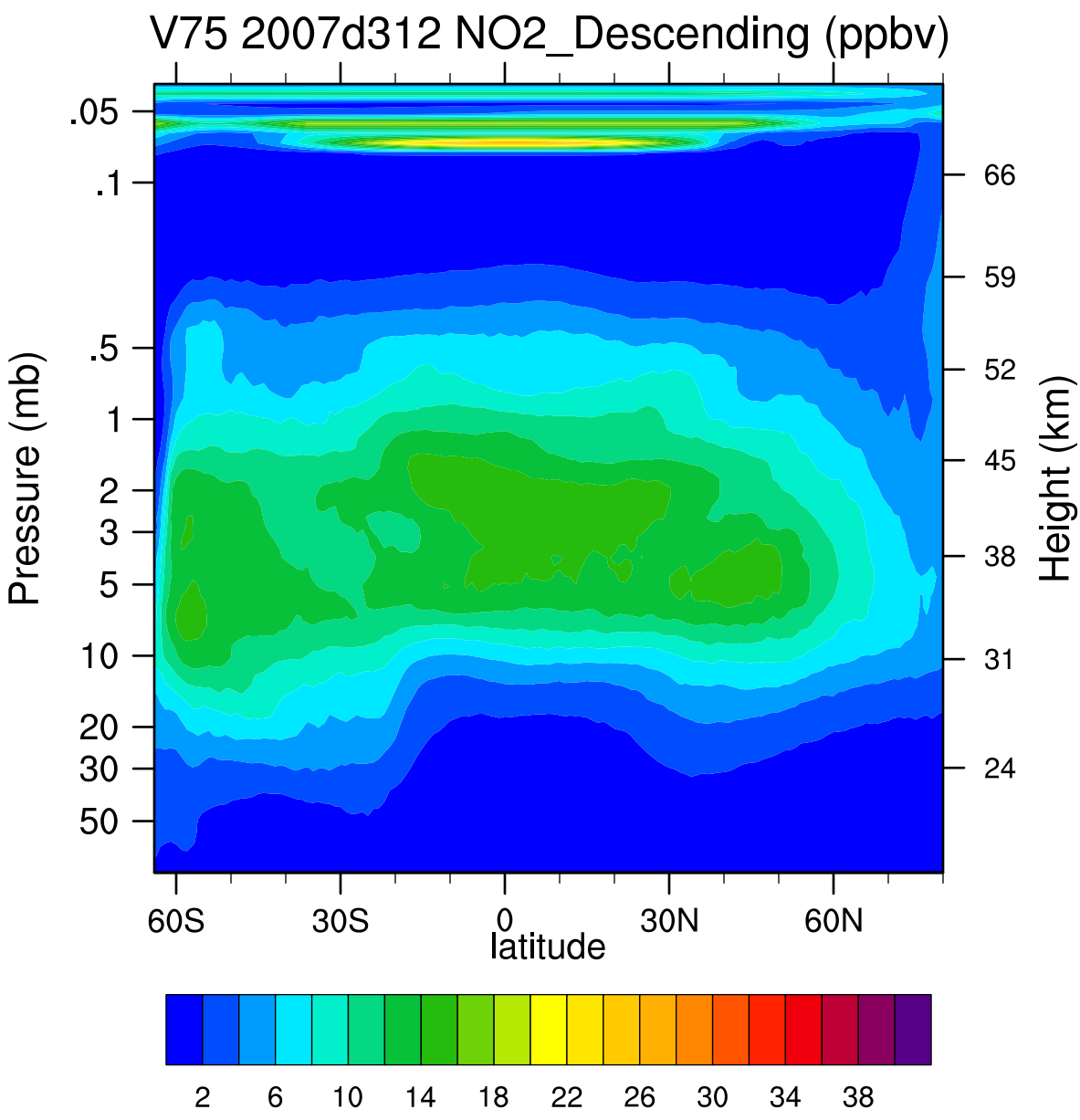
V75 2007d312 NO2_Descending (ppbv)
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.5
1
2
3
5
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20
30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
60S
30S
0
30N
60N
latitude
2
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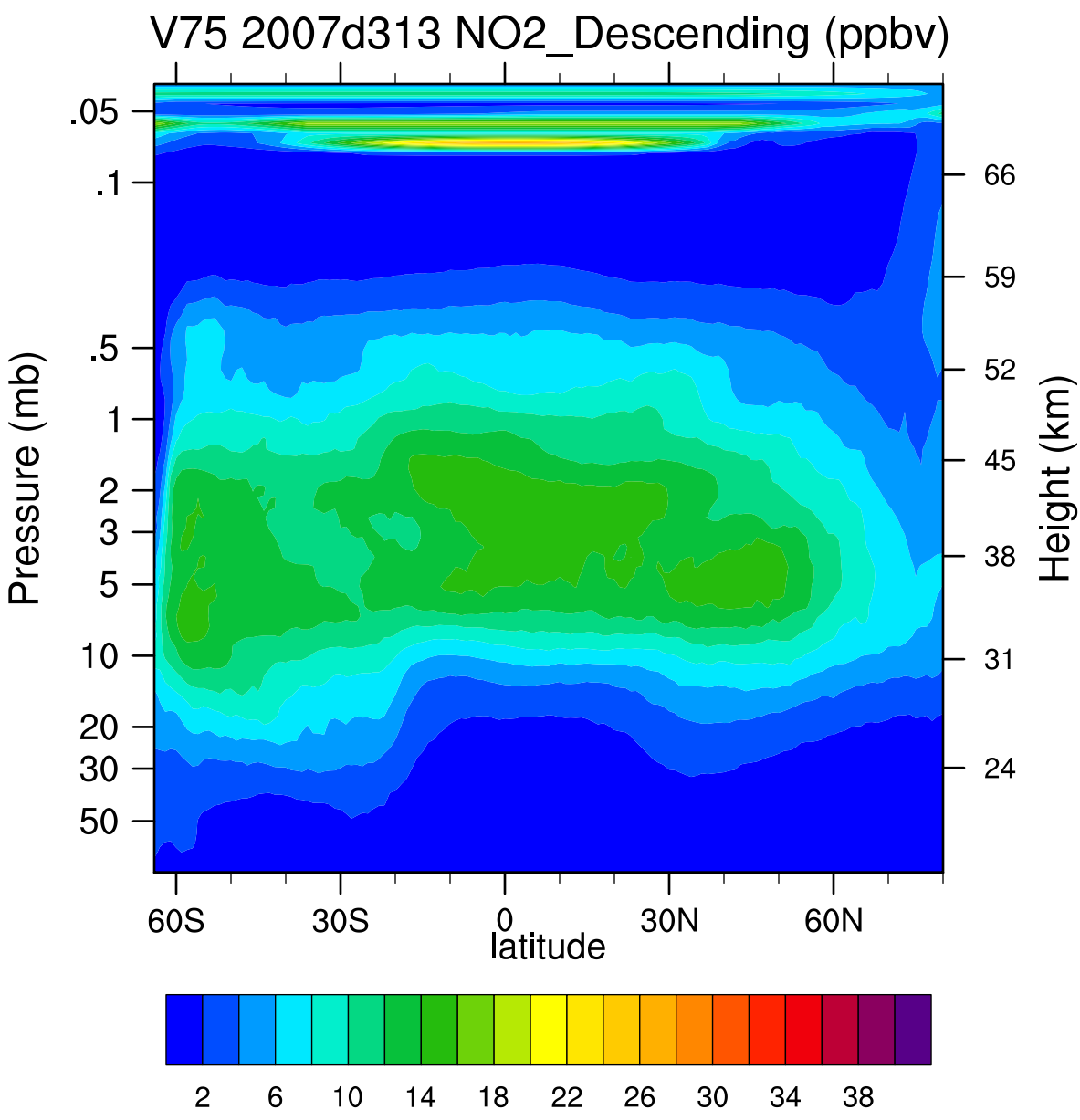
10
14
18
22
26
30
34
38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1
2
3
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30
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Pressure (mb)
66
59
52
45
38
31
24
Height (km)
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30S
0
30N
60N
latitude
2
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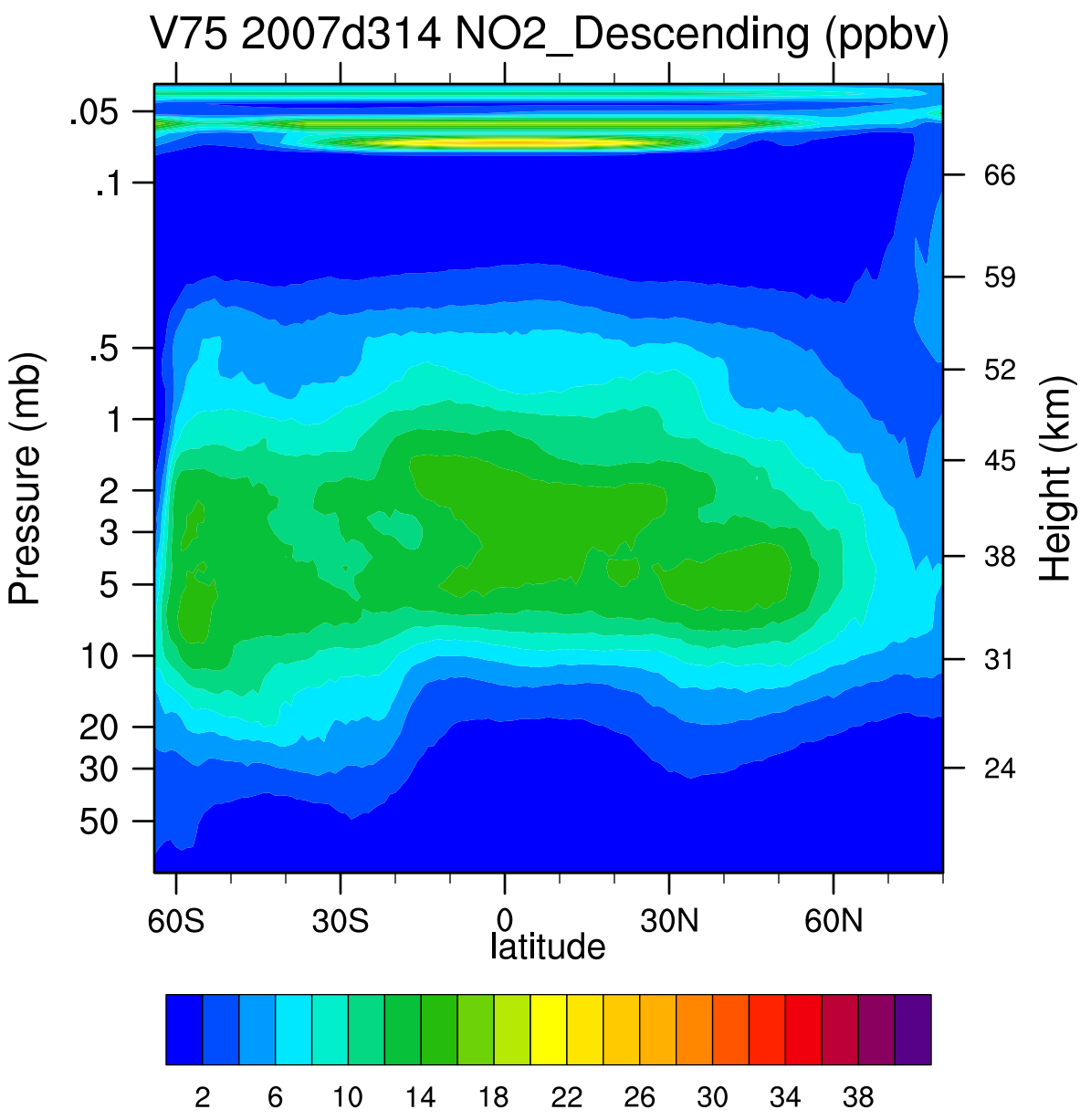
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Pressure (mb)
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59
52
45
38
31
24
Height (km)
60S
30S
0
30N
60N
latitude
2
6
10
14
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26
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34
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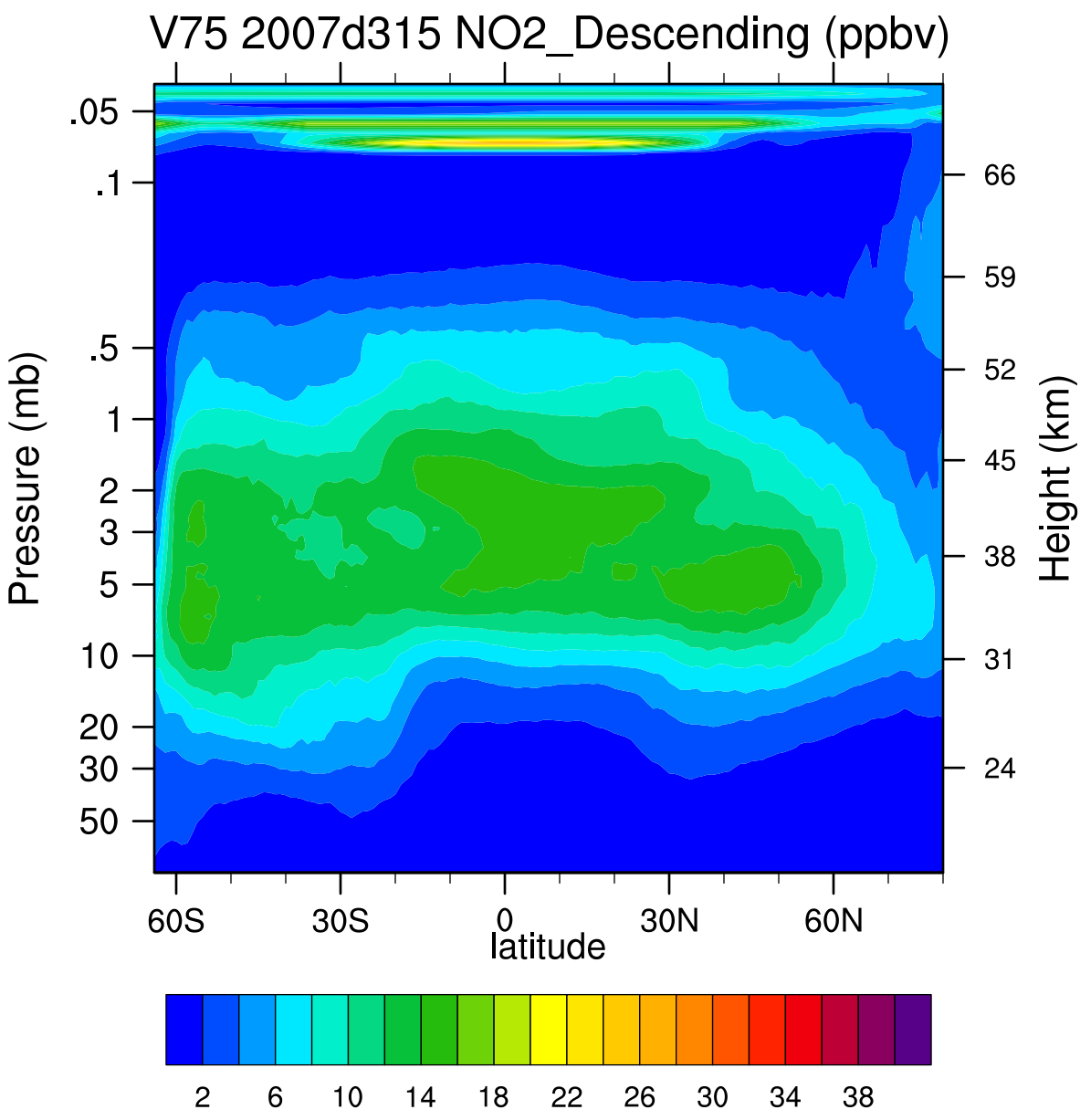
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Pressure (mb)
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.5
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2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
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22
26
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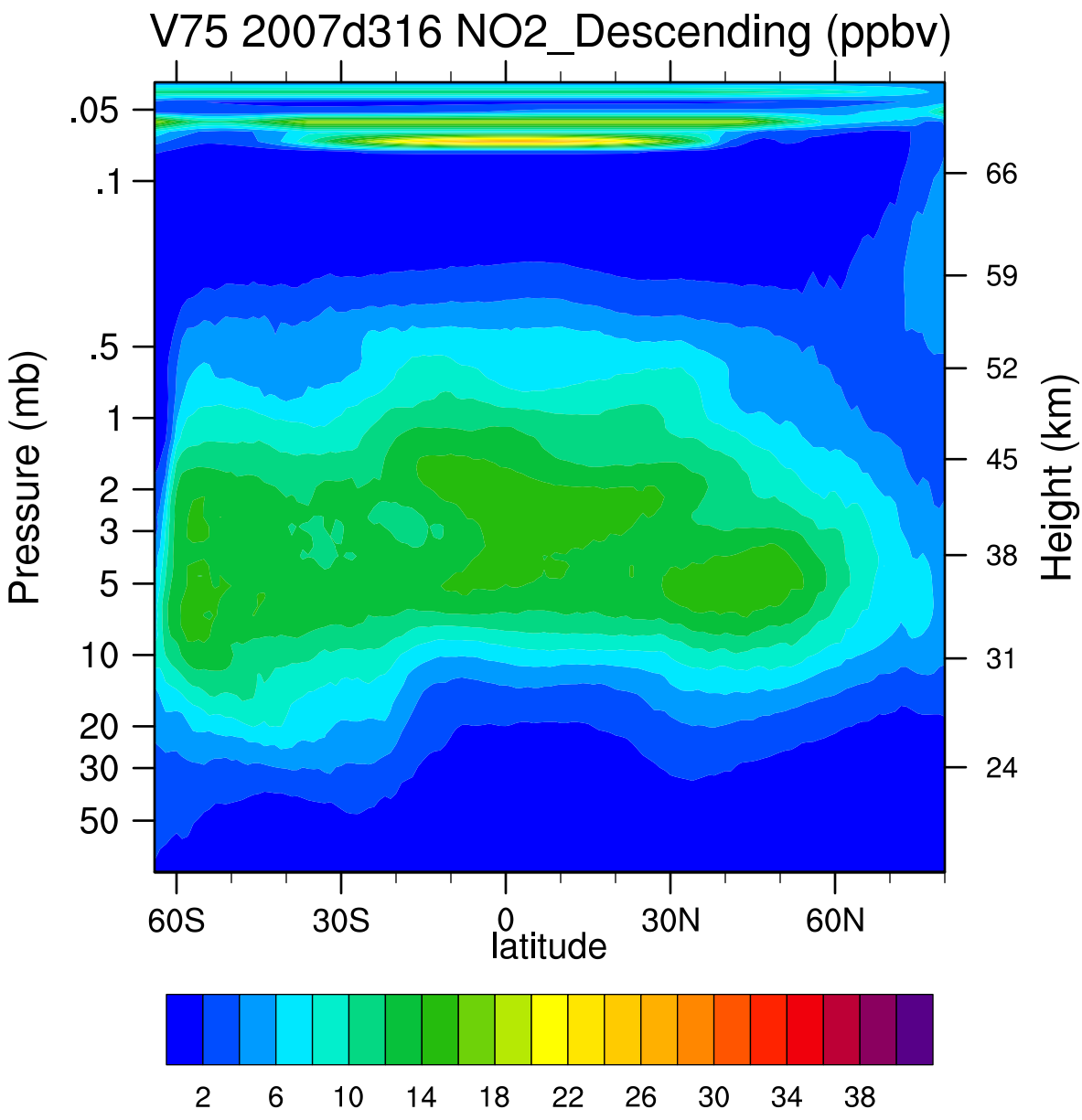
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5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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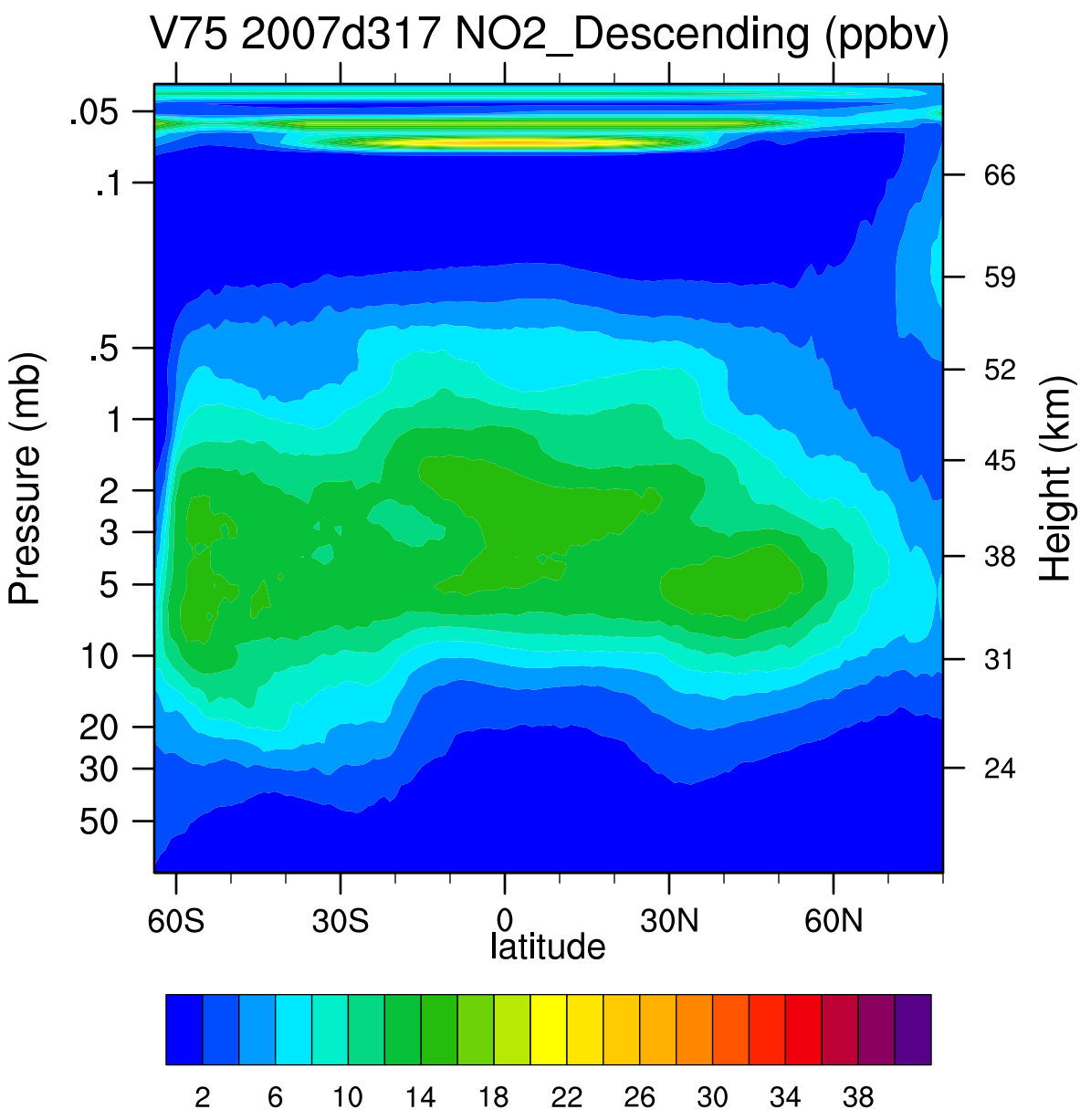
V75 2007d317 NO2_Descending (ppbv)
Pressure (mb)
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.5
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2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
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14
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22
26
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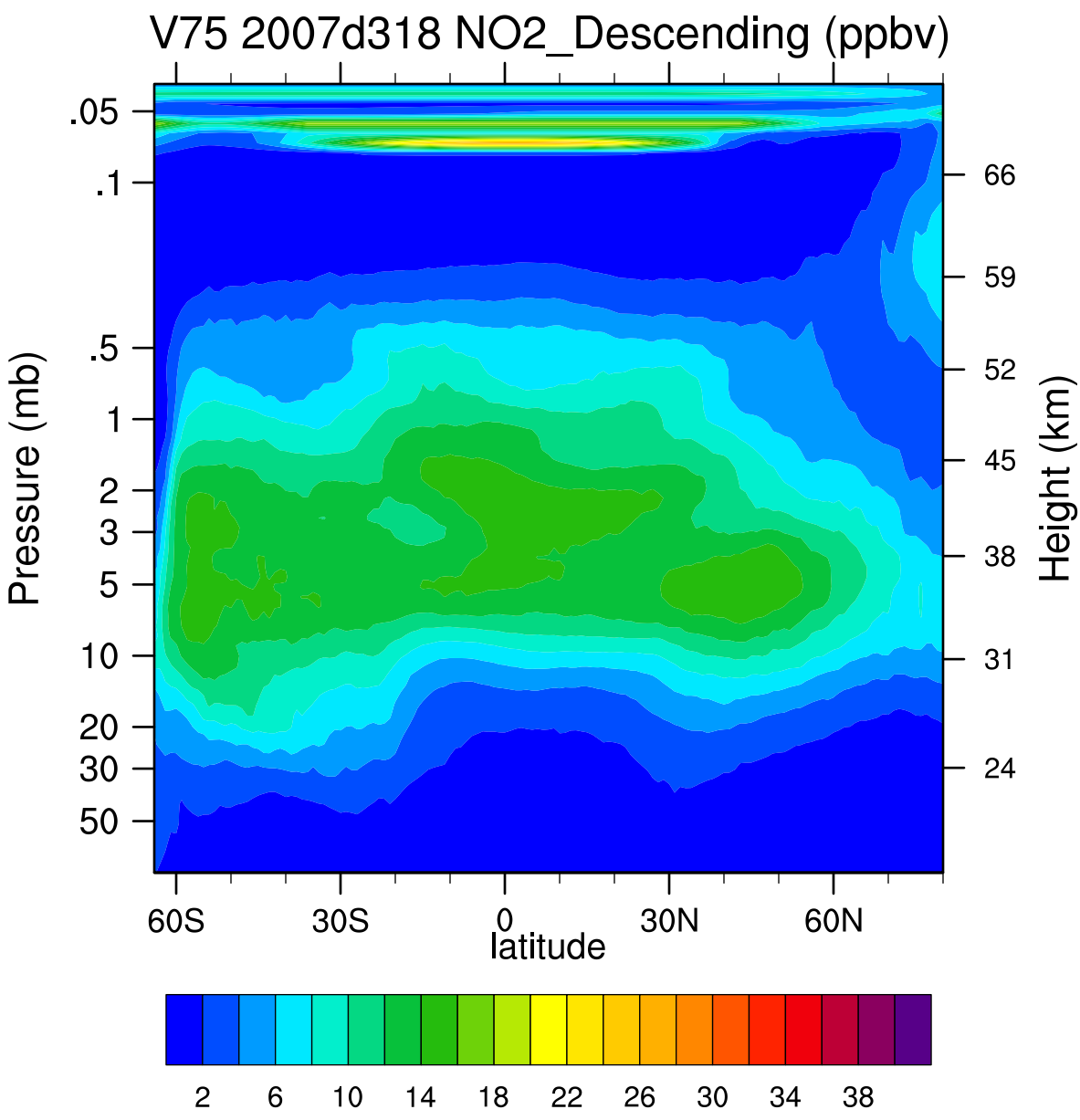
38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Pressure (mb)
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.5
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2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
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10
14
18
22
26
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34
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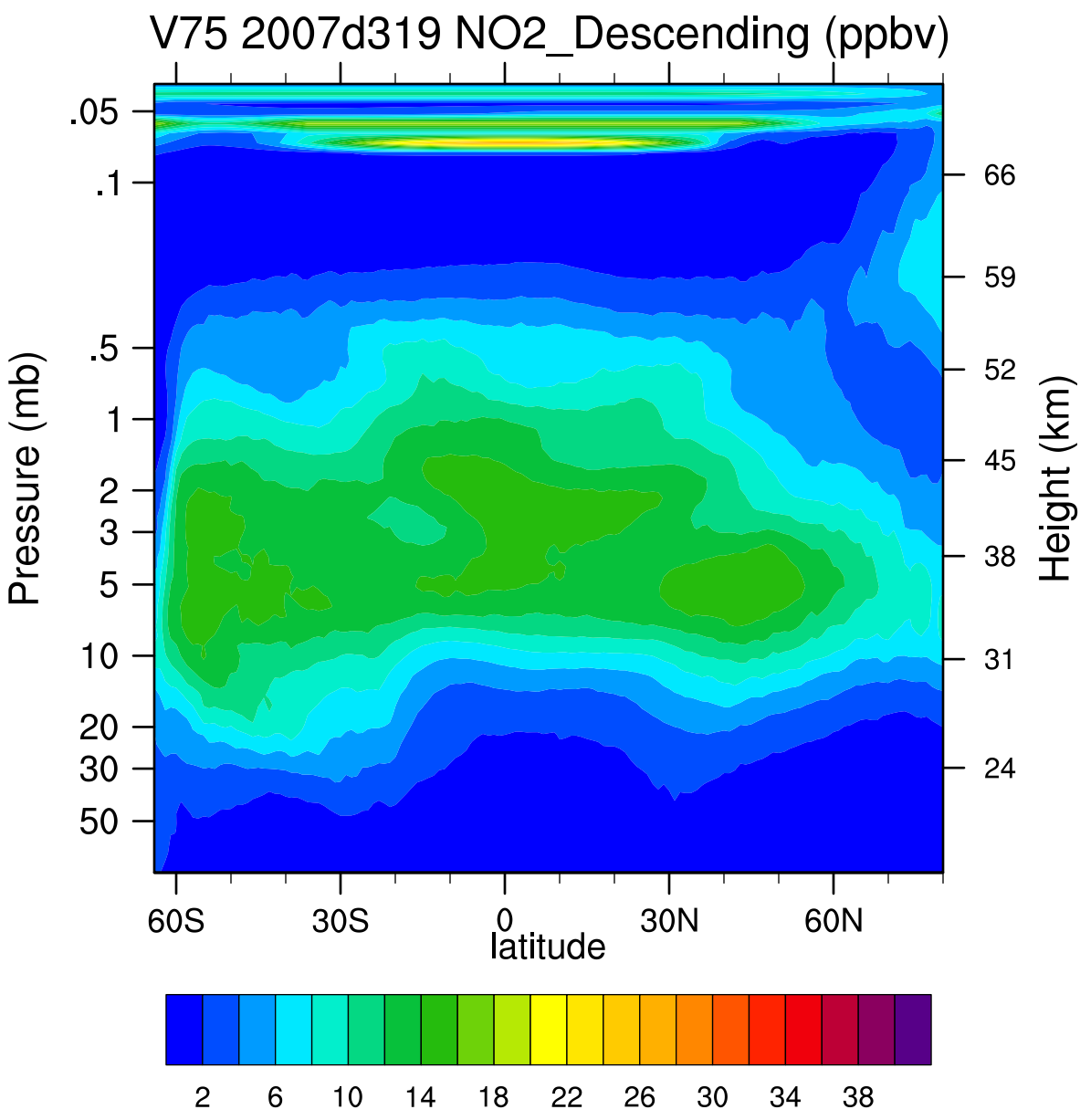
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Pressure (mb)
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5
10
20
30
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Height (km)
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59
52
45
38
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24
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30S
0
30N
60N
latitude
2
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26
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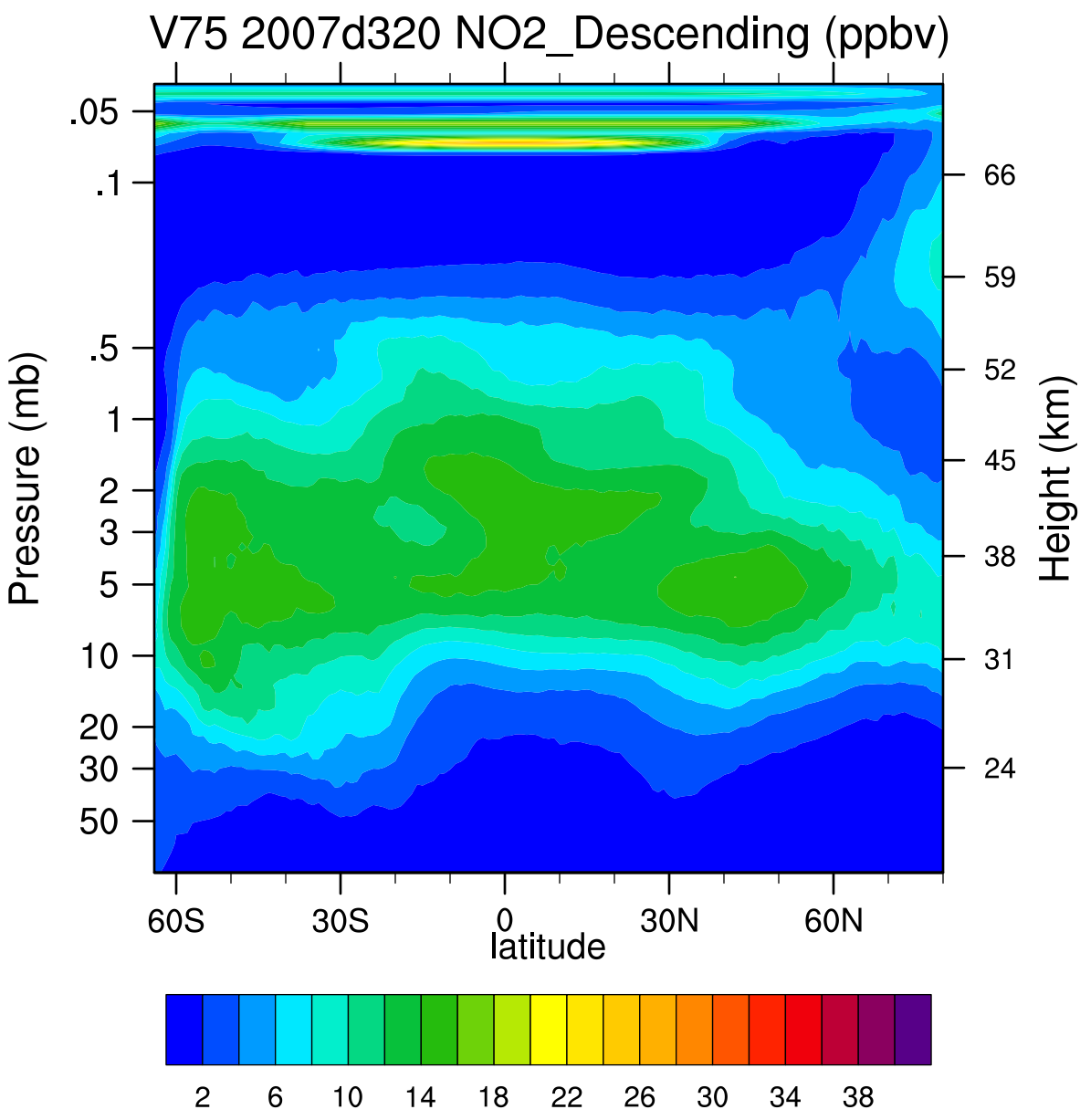
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Pressure (mb)
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.5
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2
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5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
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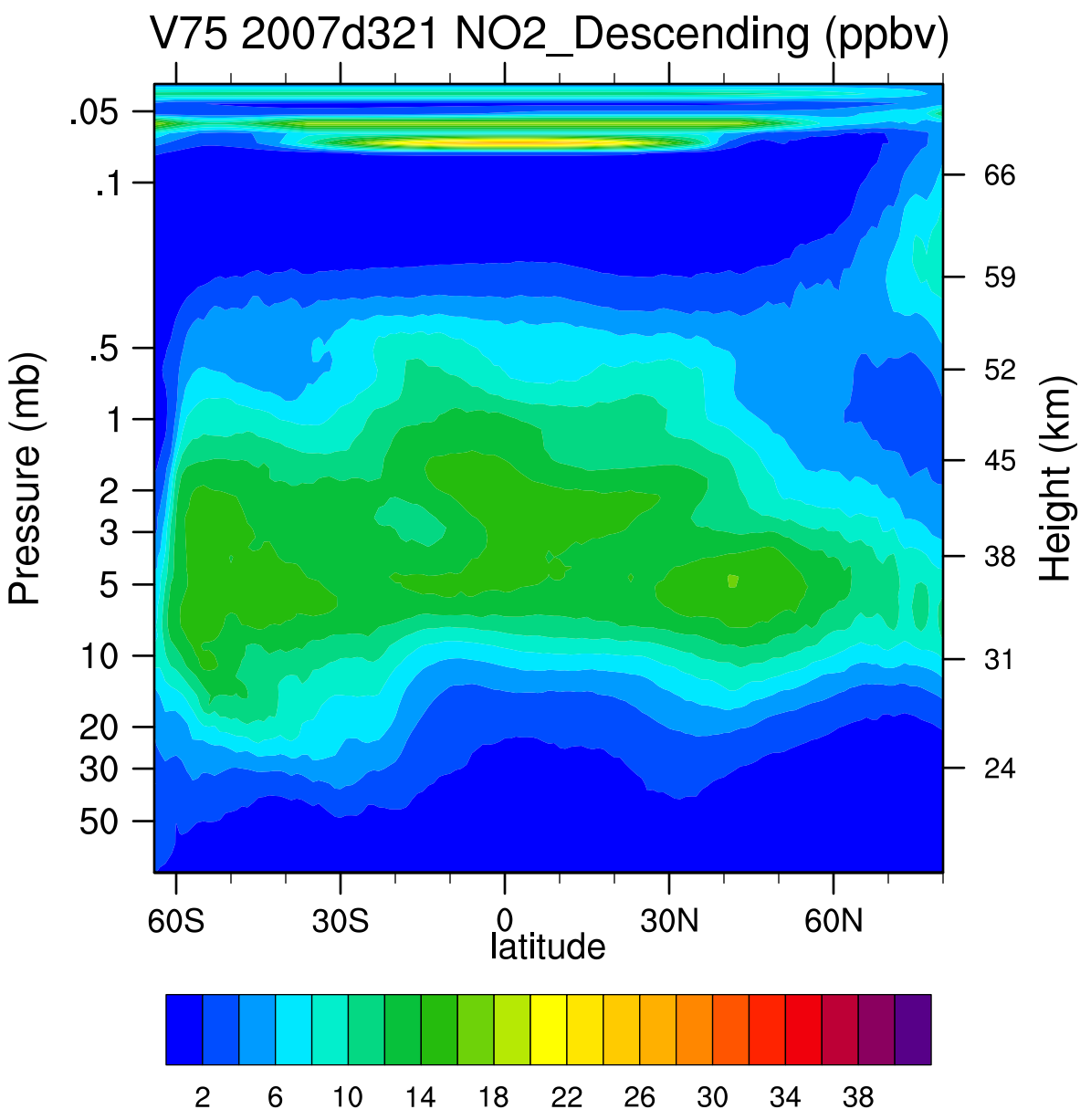
V75 2007d321 NO2_Descending (ppbv)
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Pressure (mb)
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59
52
45
38
31
24
Height (km)
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30S
0
30N
60N
latitude
2
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10
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18
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26
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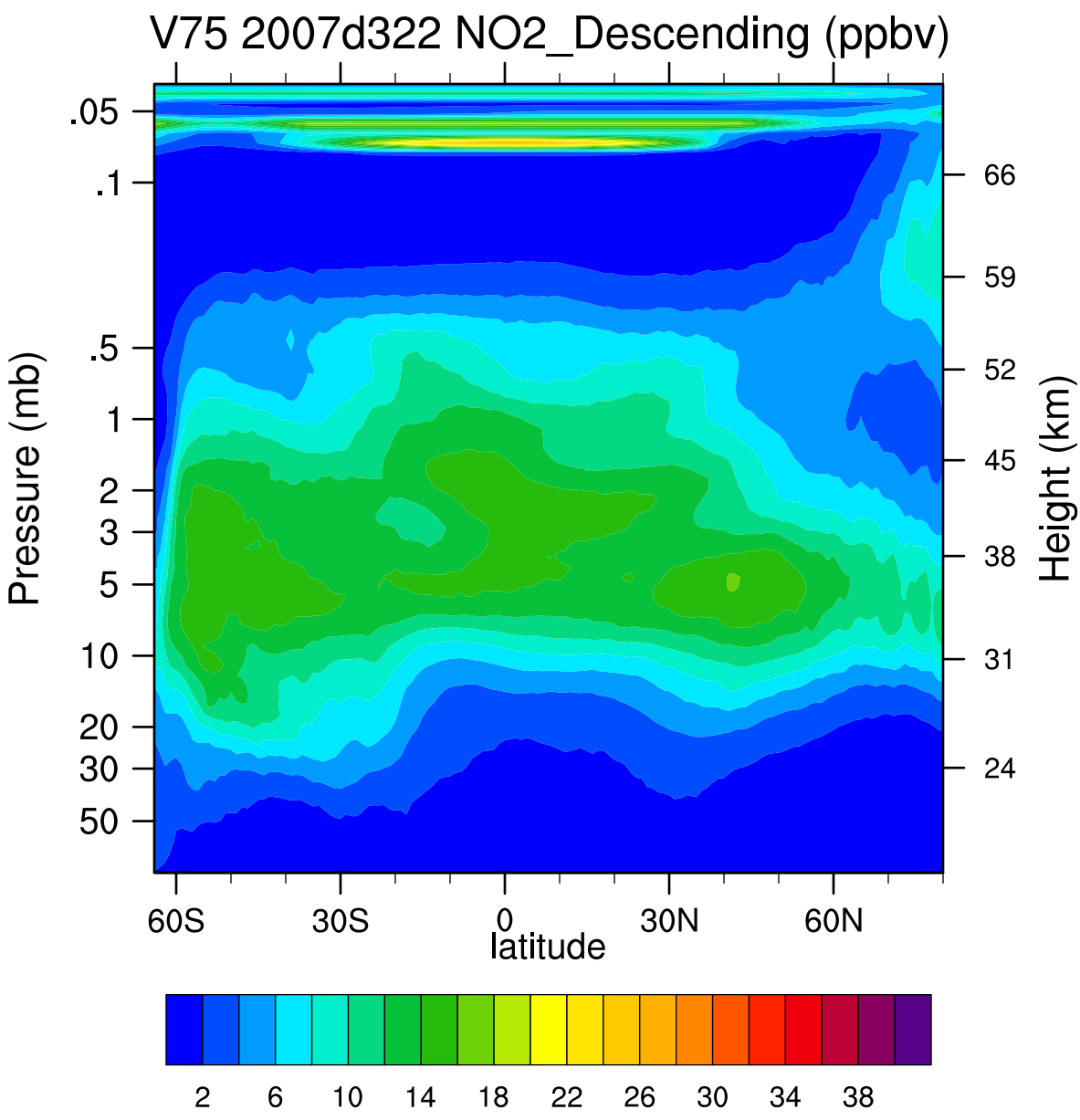
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Pressure (mb)
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52
45
38
31
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Height (km)
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30S
0
30N
60N
latitude
2
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10
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26
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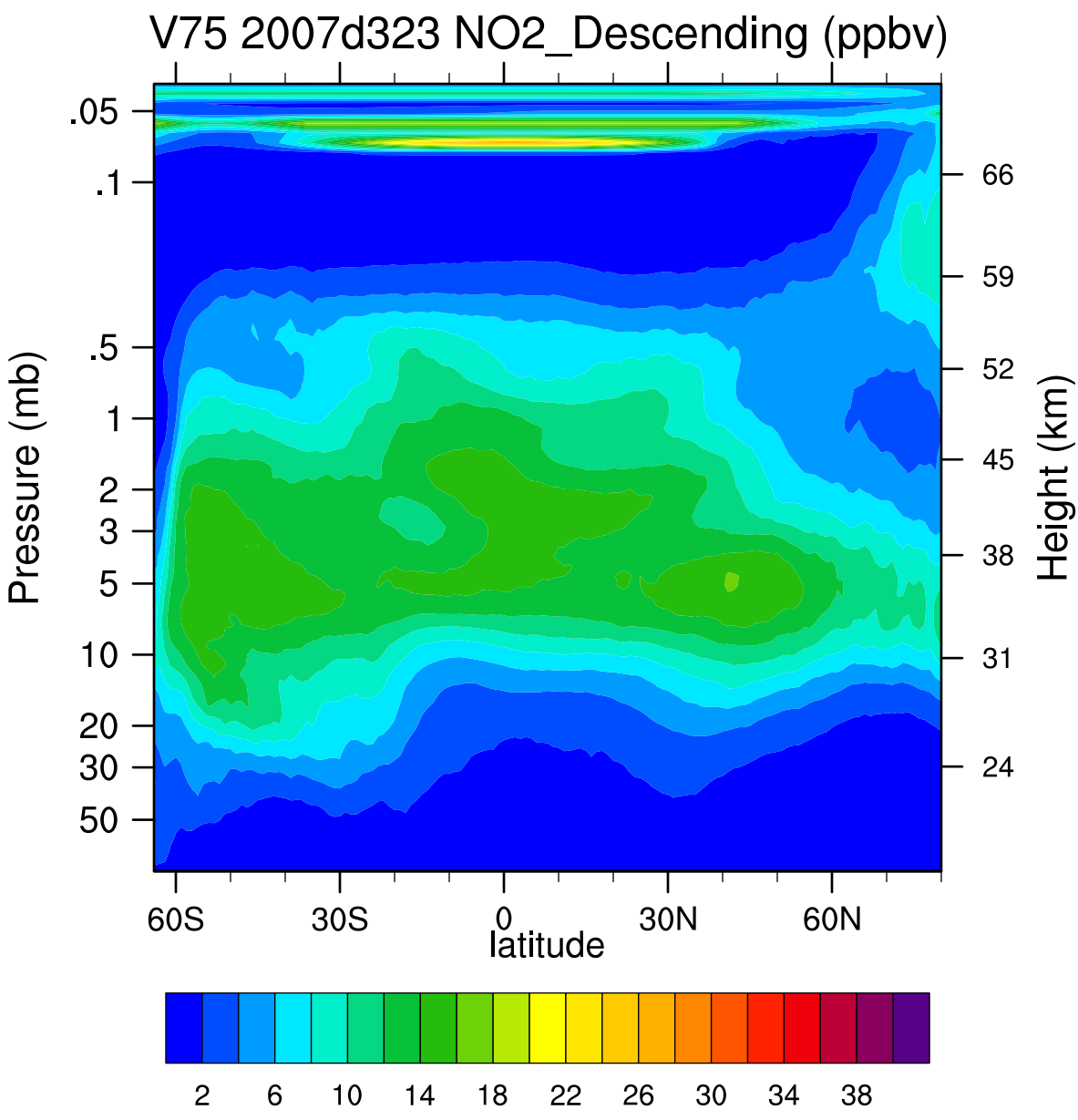
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Pressure (mb)
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52
45
38
31
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Height (km)
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30S
0
30N
60N
latitude
2
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26
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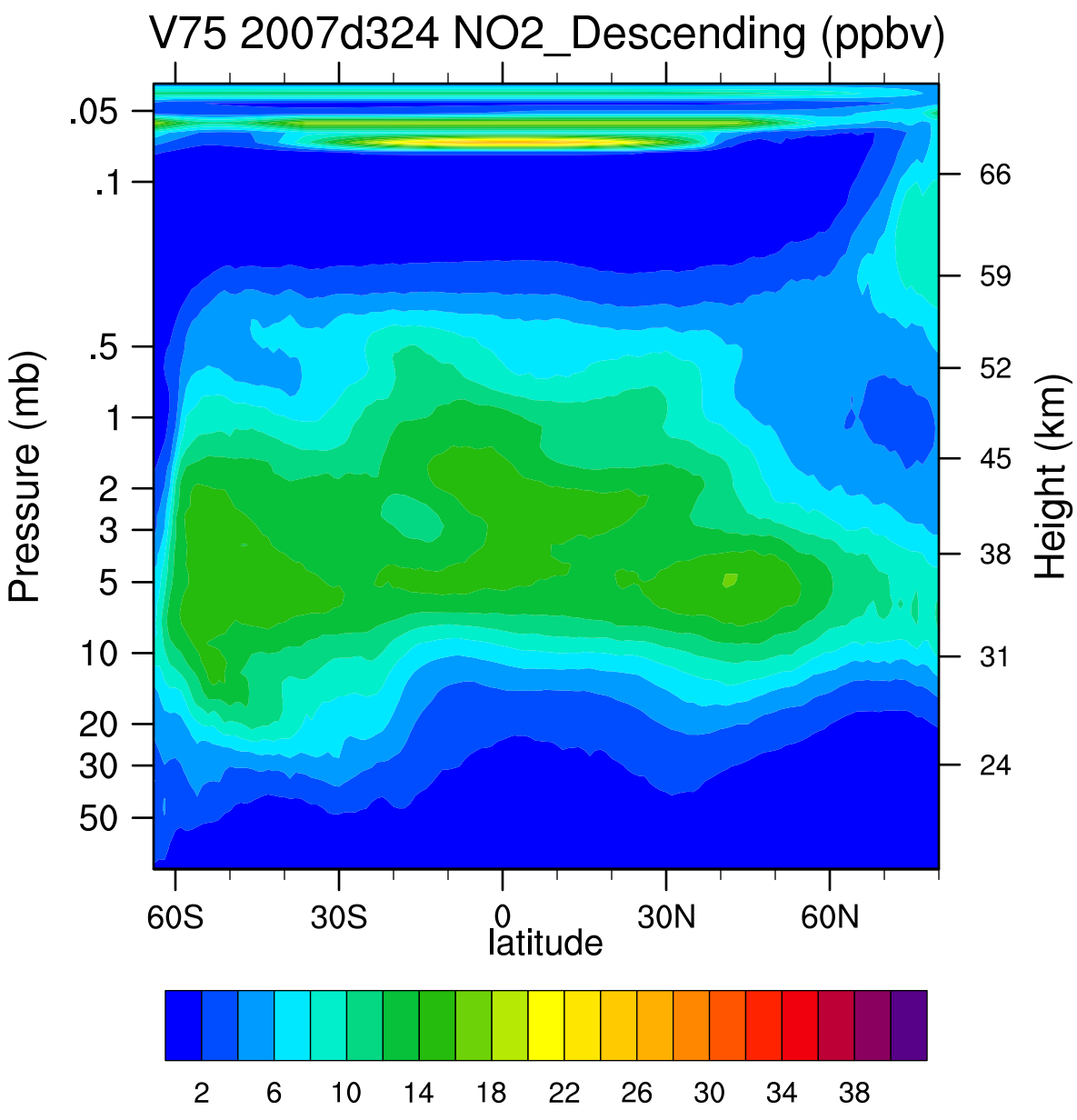
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Pressure (mb)
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45
38
31
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Height (km)
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30S
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30N
60N
latitude
2
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26
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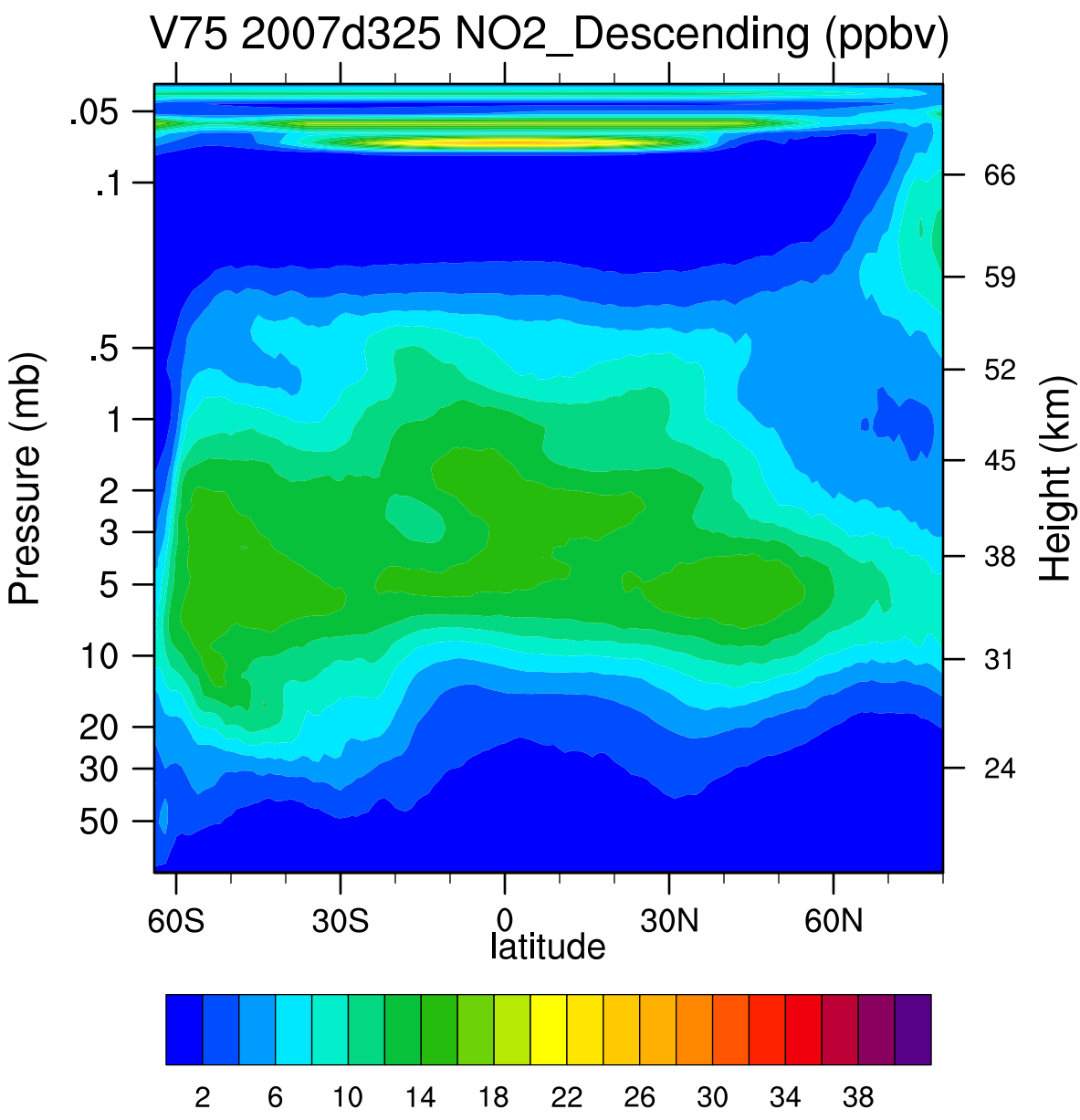
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Pressure (mb)
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45
38
31
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Height (km)
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30S
0
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60N
latitude
2
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26
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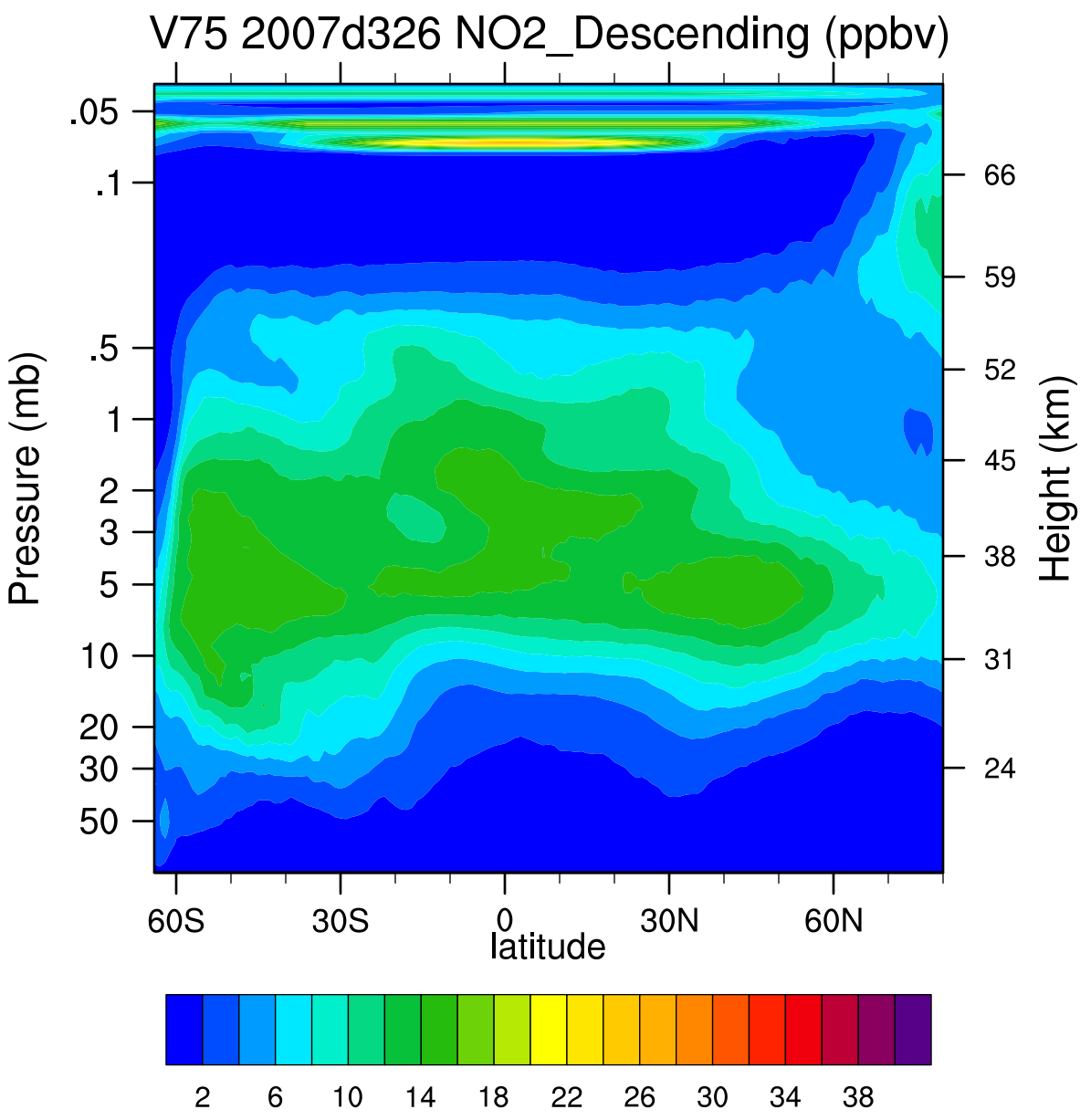
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Pressure (mb)
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52
45
38
31
24
Height (km)
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30S
0
30N
60N
latitude
2
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26
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34
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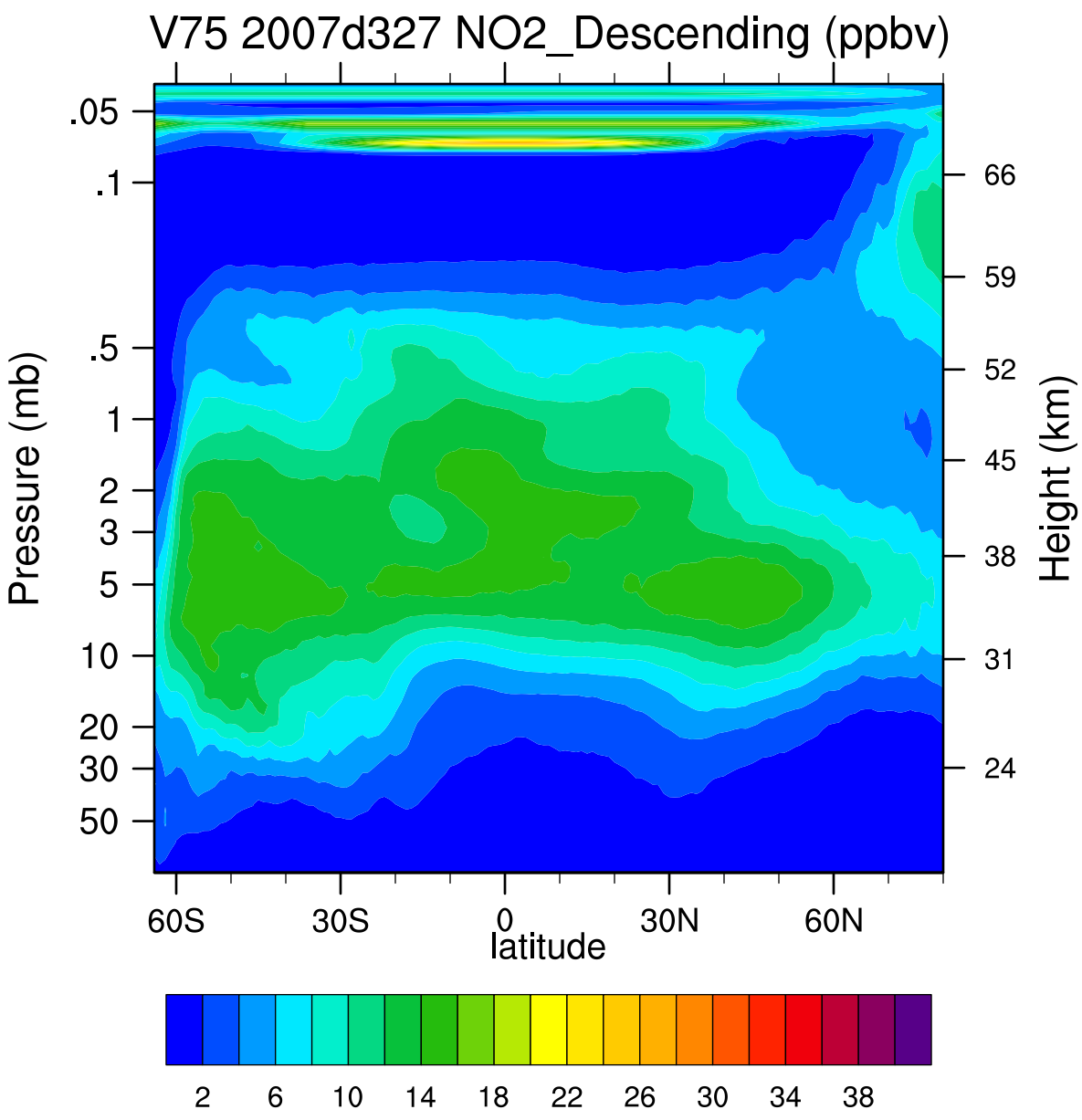
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Height (km)
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59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
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10
14
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26
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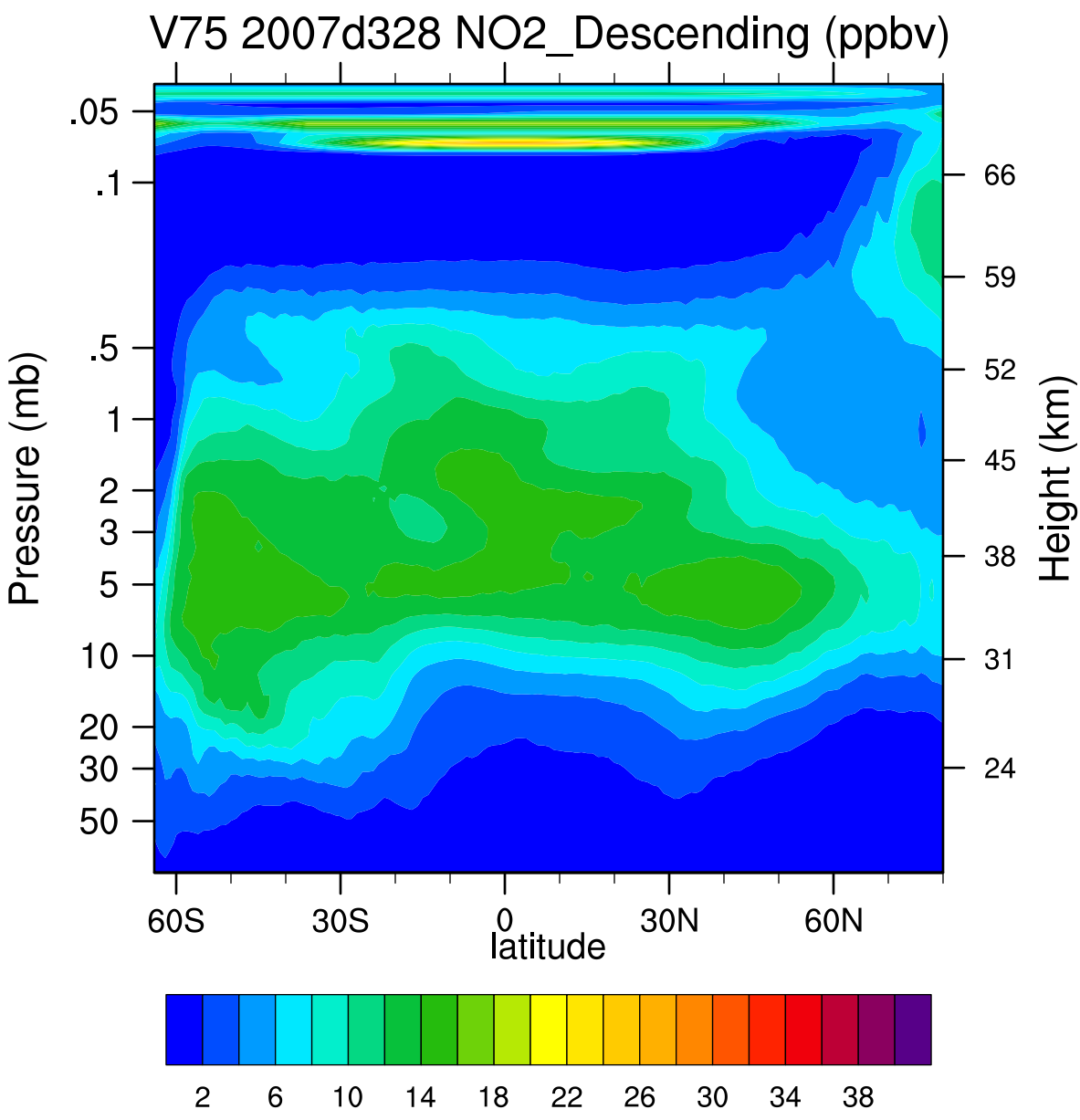
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30
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Pressure (mb)
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52
45
38
31
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Height (km)
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30S
0
30N
60N
latitude
2
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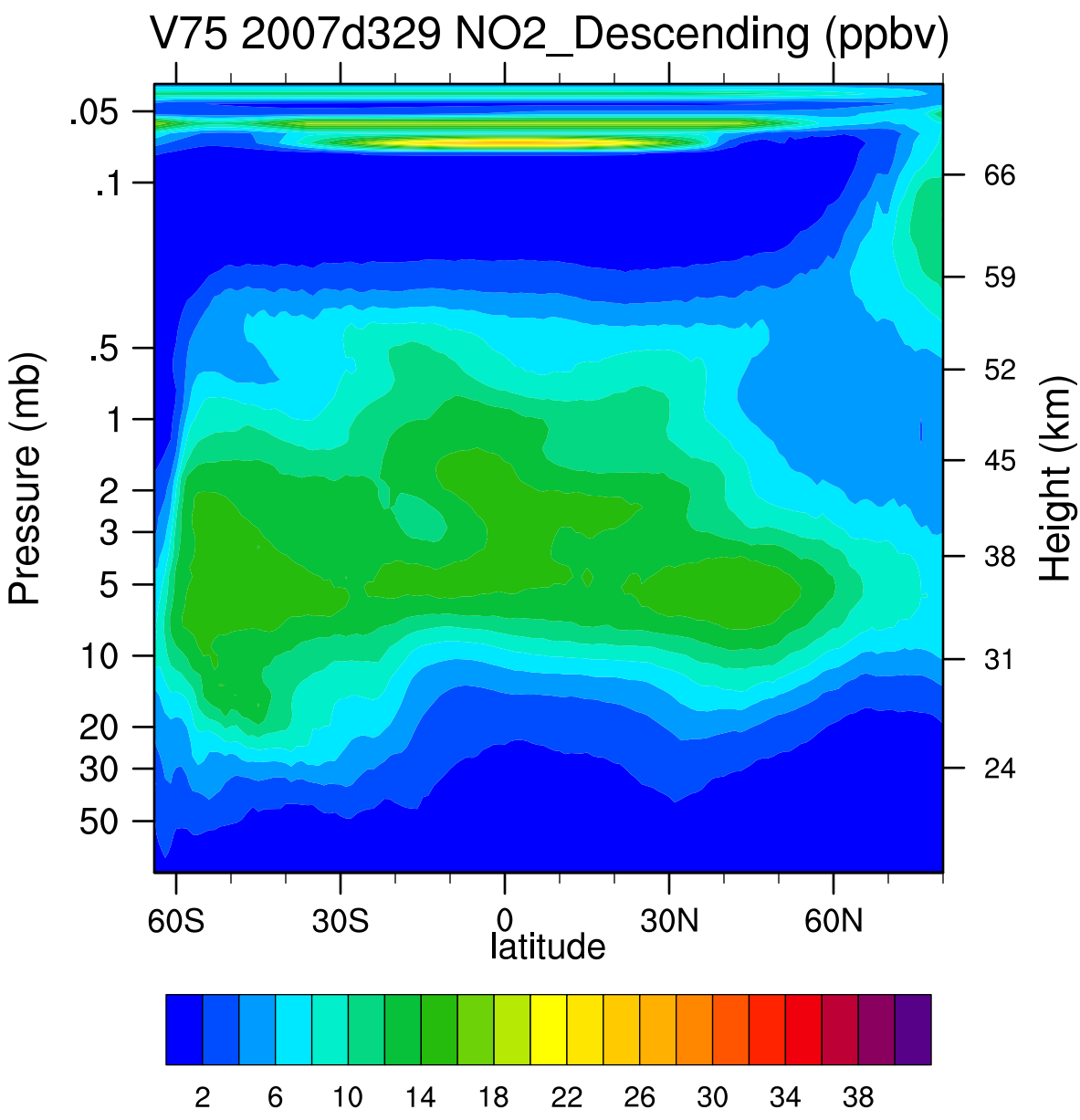
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Pressure (mb)
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Height (km)
66
59
52
45
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24
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30S
0
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60N
latitude
2
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10
14
18
22
26
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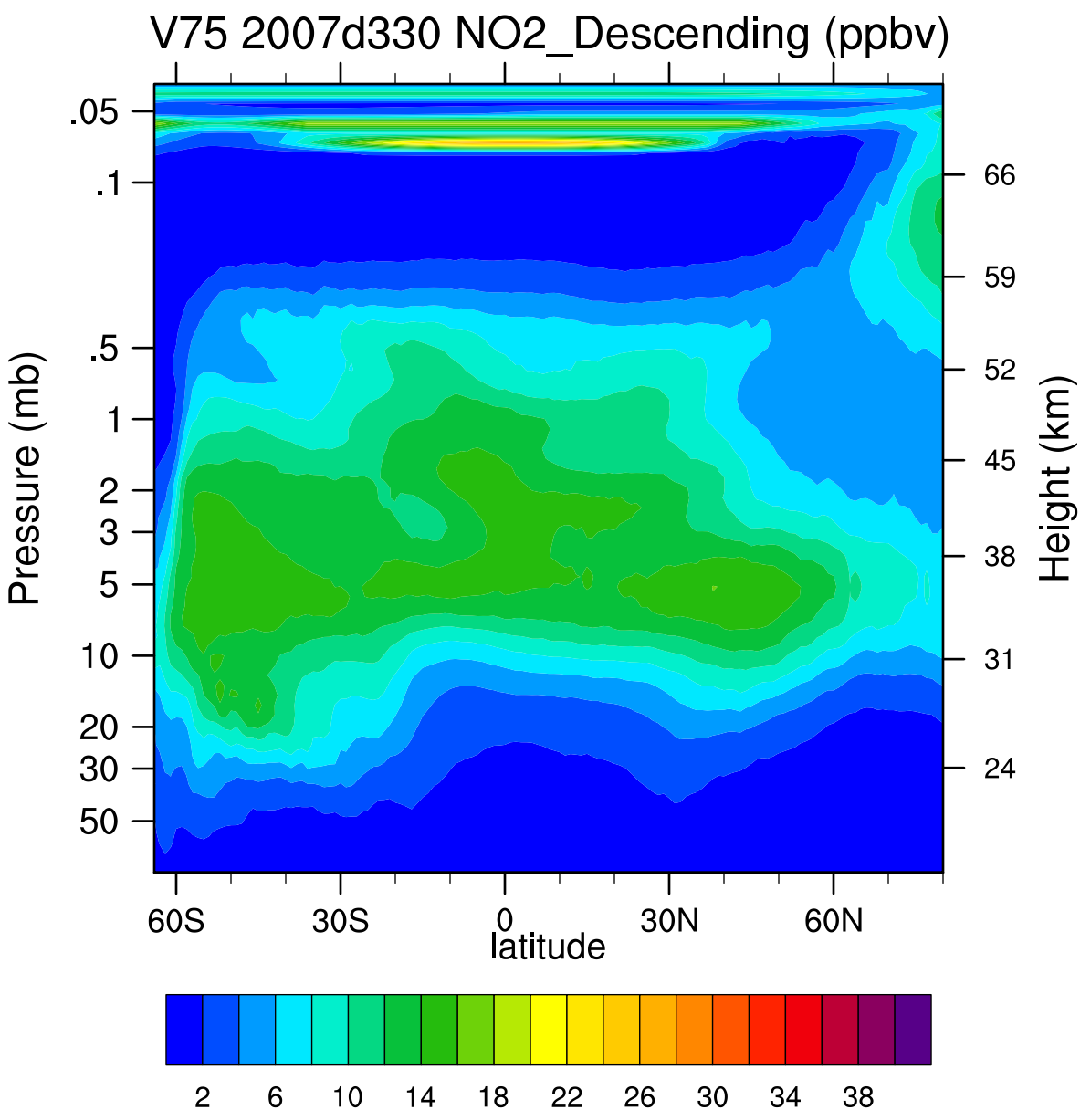
V75 2007d330 NO2_Descending (ppbv)
Pressure (mb)
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.5
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5
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20
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Height (km)
66
59
52
45
38
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24
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30S
0
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60N
latitude
2
6
10
14
18
22
26
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34
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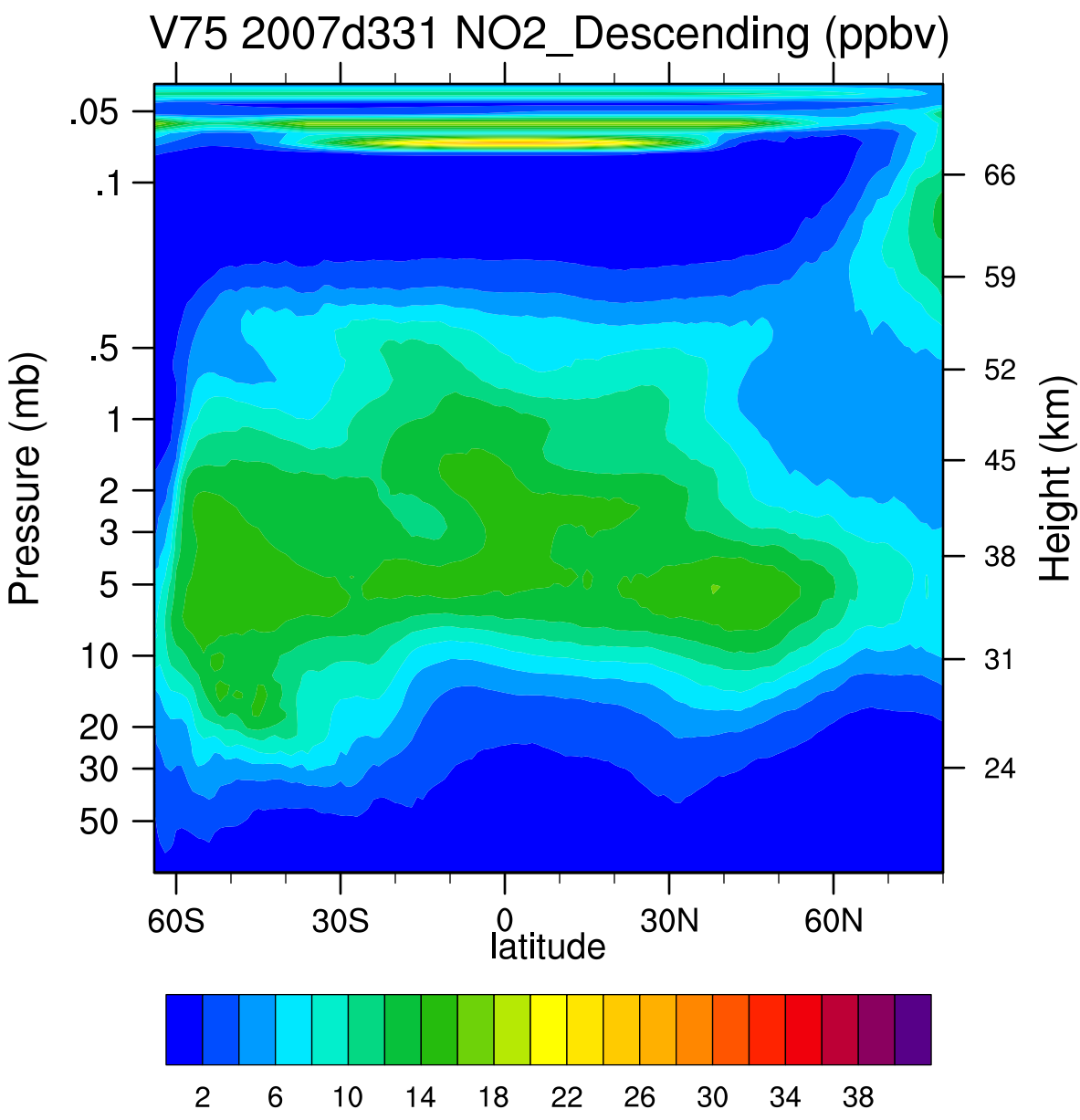
V75 2007d331 NO2_Descending (ppbv)
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Pressure (mb)
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59
52
45
38
31
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Height (km)
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30S
0
30N
60N
latitude
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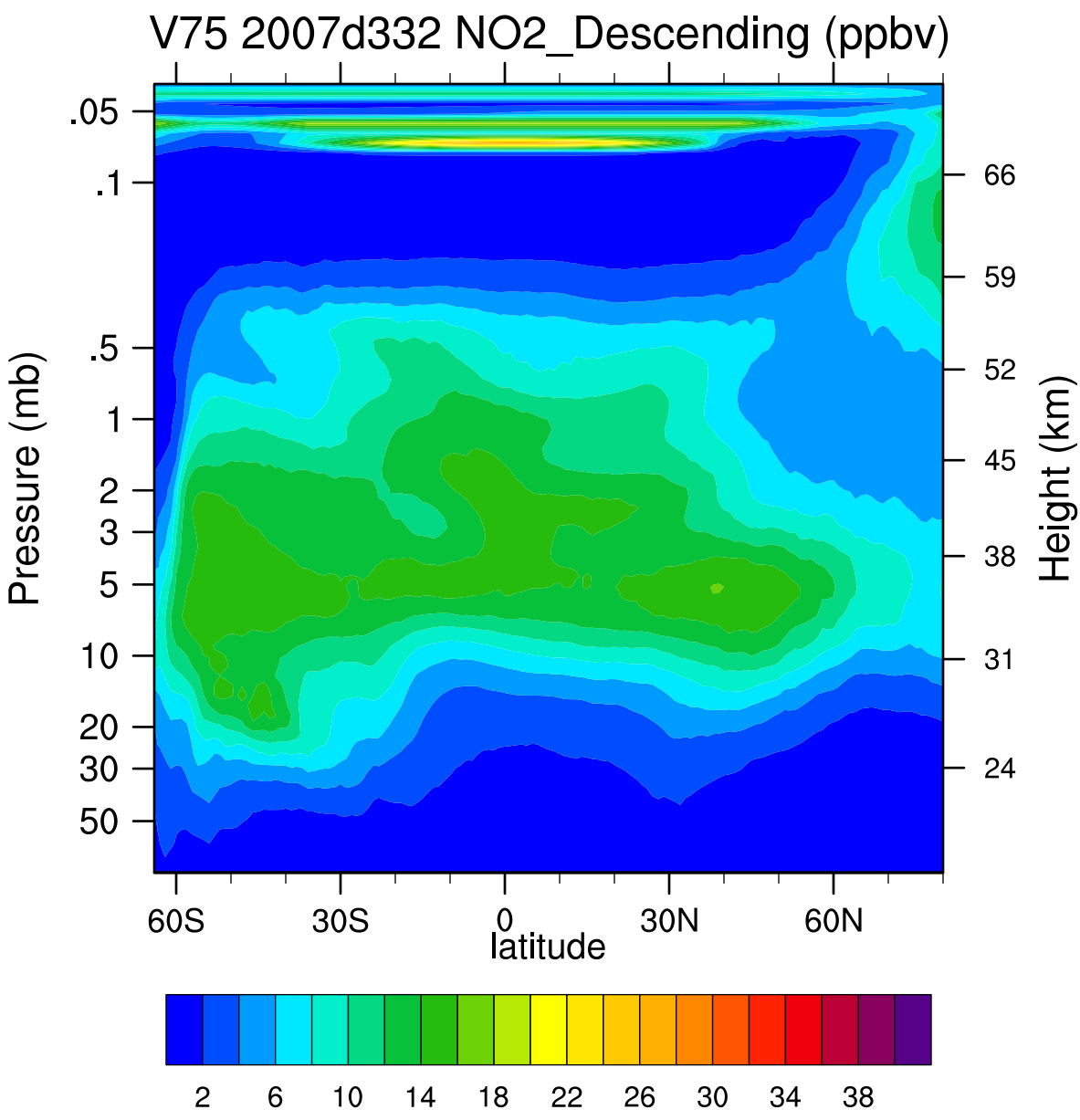
V75 2007d332 NO2_Descending (ppbv)
Pressure (mb)
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5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
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30S
0
30N
60N
latitude
2
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14
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26
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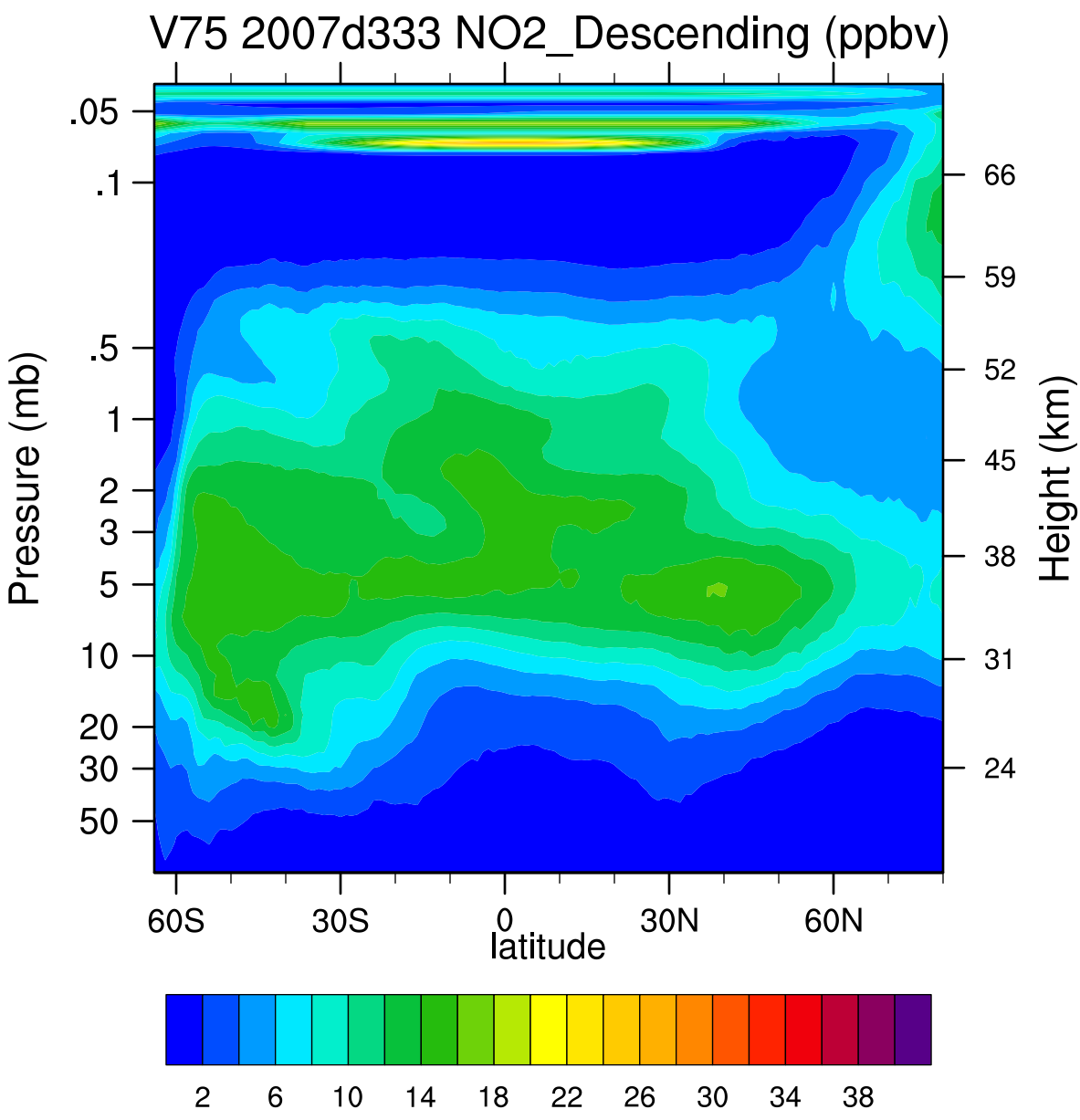
V75 2007d333 NO2_Descending (ppbv)
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Pressure (mb)
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59
52
45
38
31
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Height (km)
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30S
0
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60N
latitude
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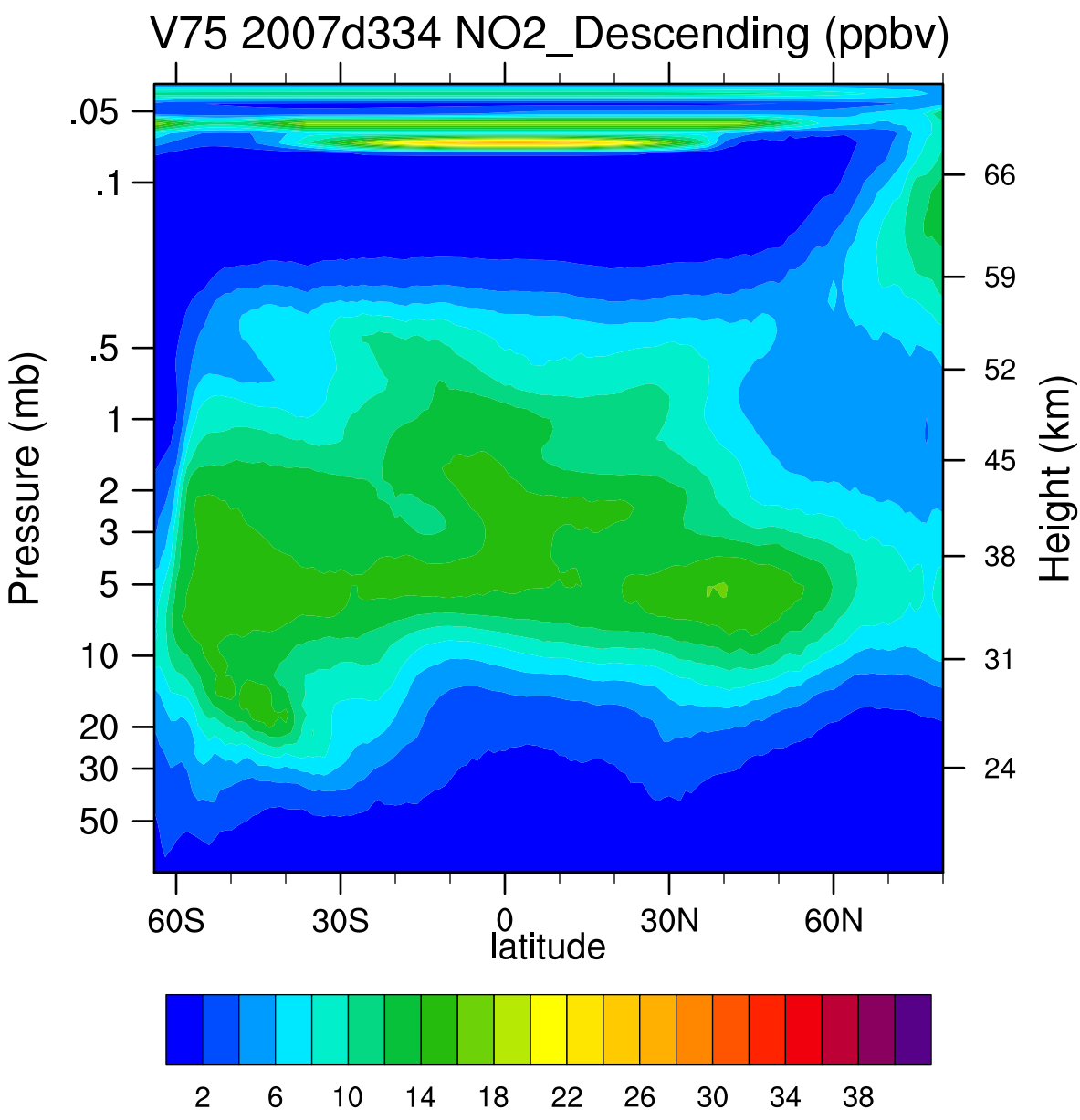
V75 2007d334 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
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24
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30S
0
30N
60N
latitude
2
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10
14
18
22
26
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34
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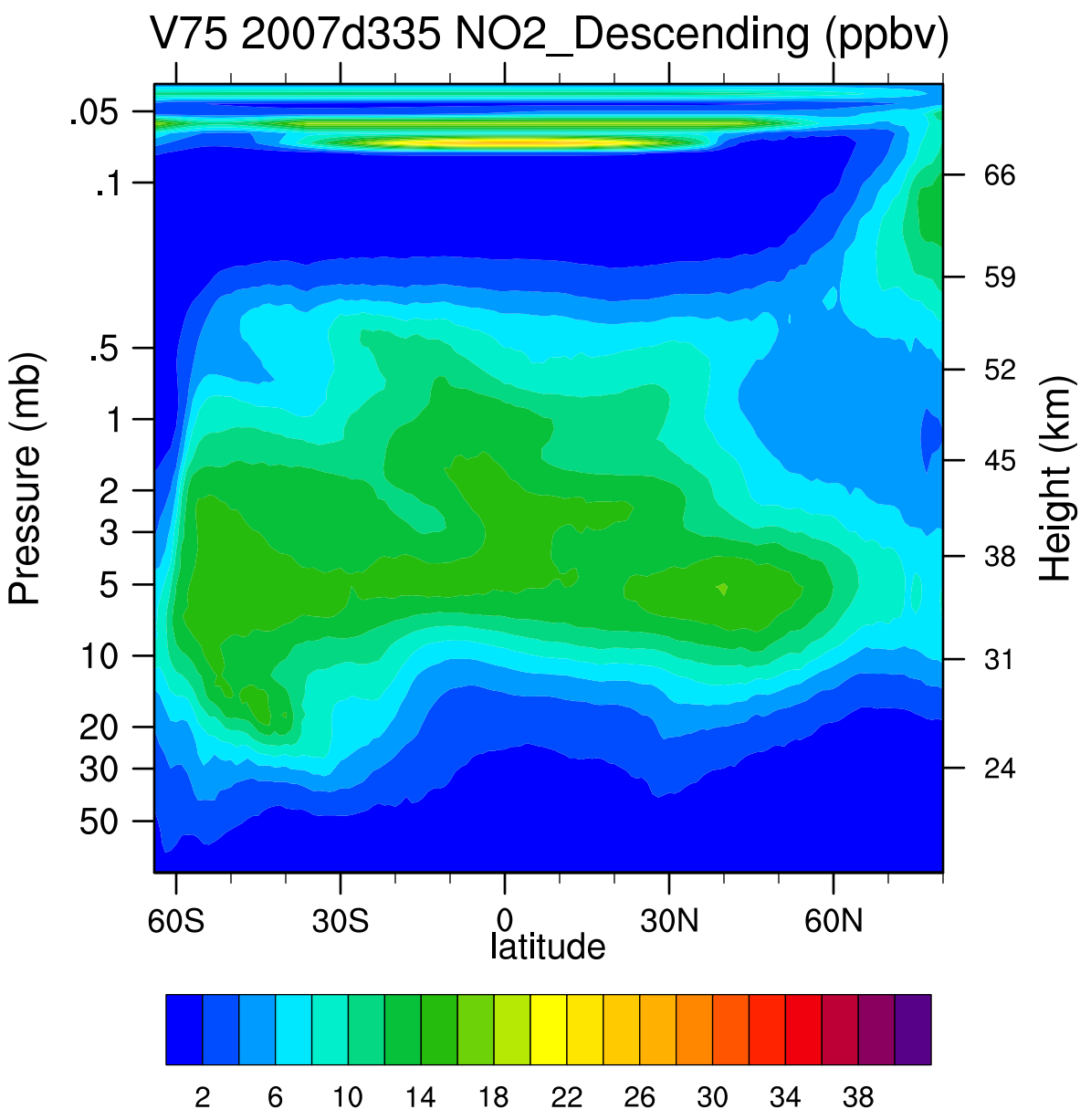
V75 2007d335 NO2_Descending (ppbv)
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1
2
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20
30
50
Pressure (mb)
66
59
52
45
38
31
24
Height (km)
60S
30S
0
30N
60N
latitude
2
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14
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22
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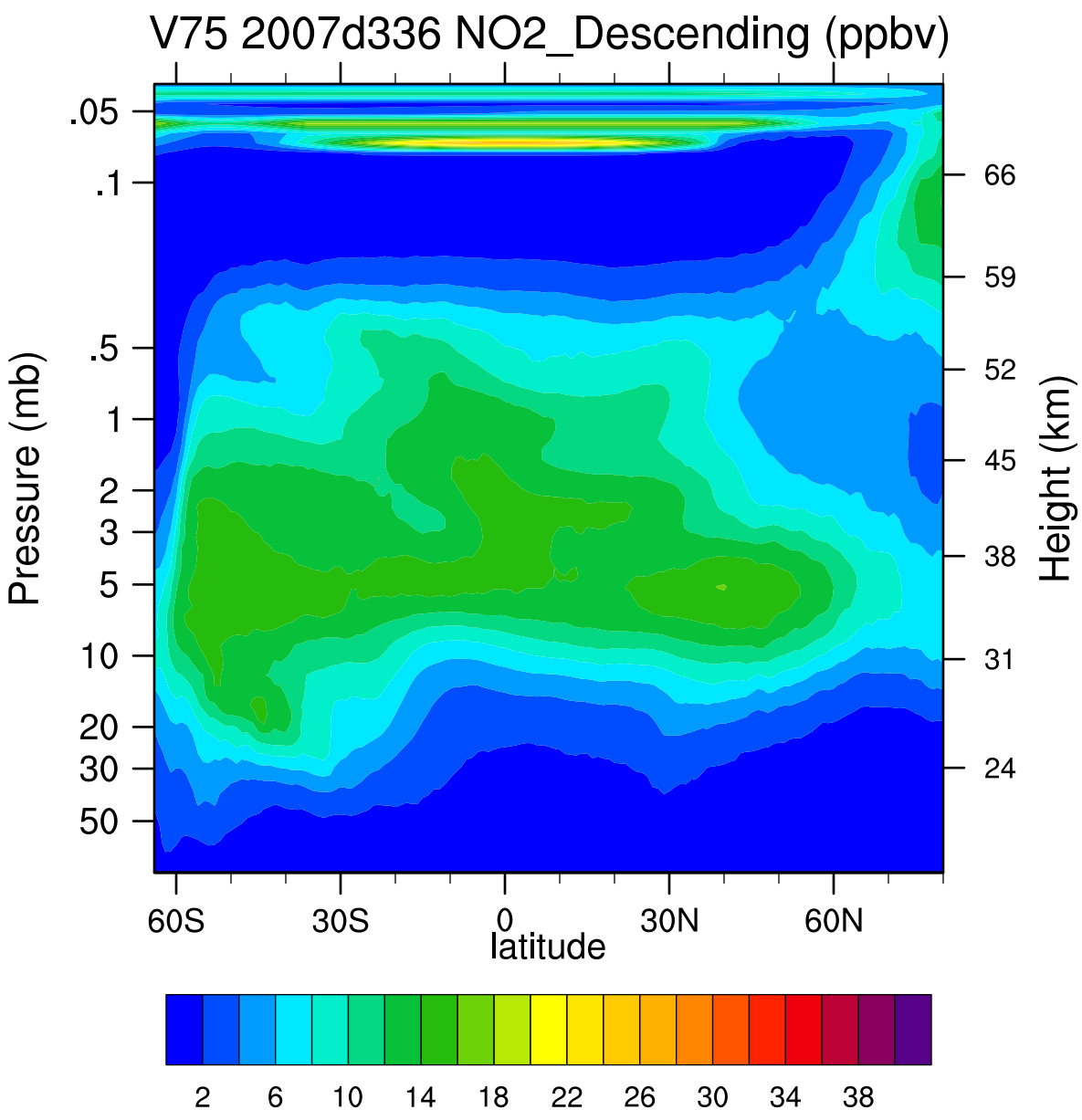
34
38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3
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Pressure (mb)
66
59
52
45
38
31
24
Height (km)
60S
30S
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30N
60N
latitude
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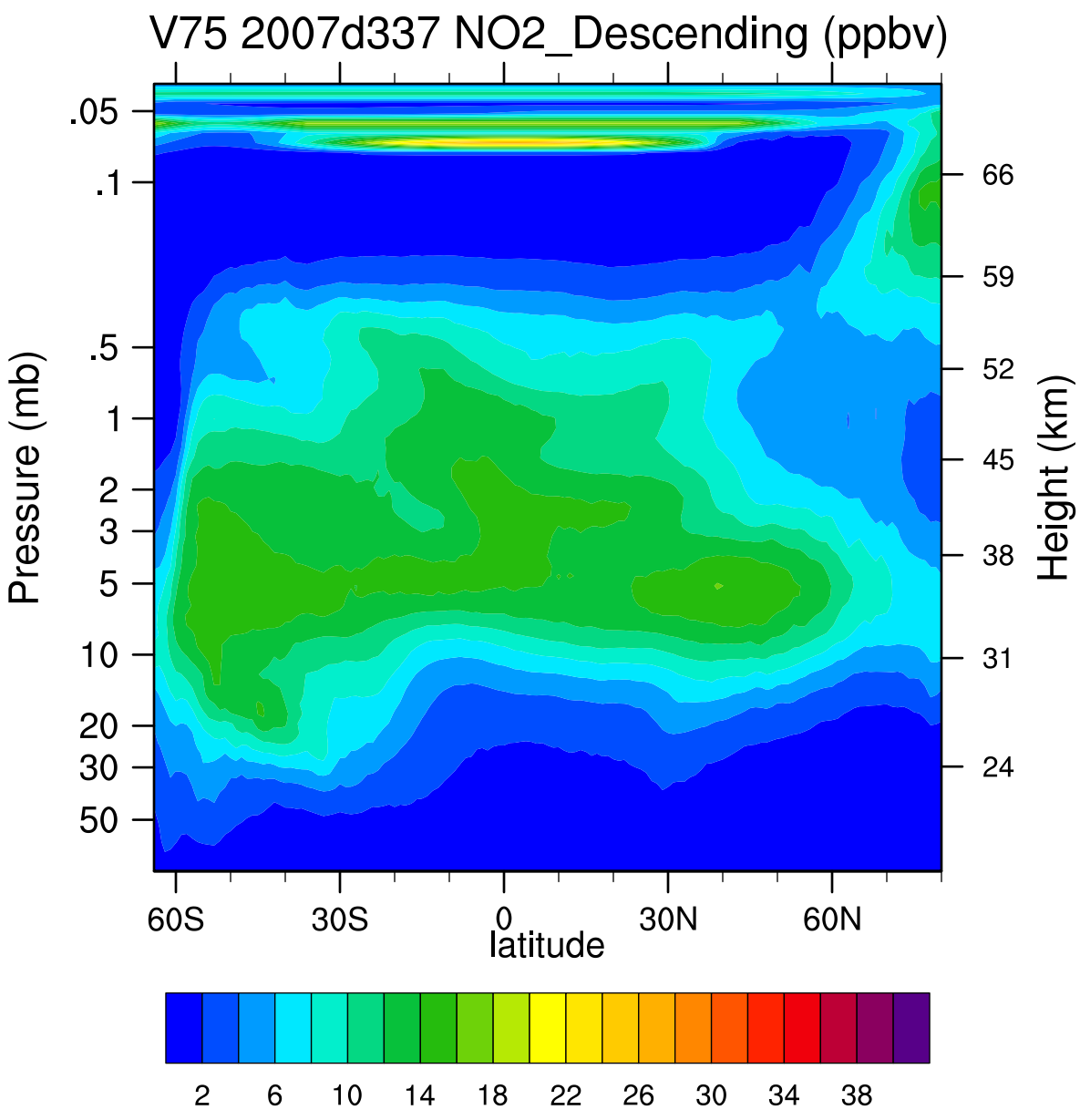
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Height (km)
66
59
52
45
38
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60N
latitude
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26
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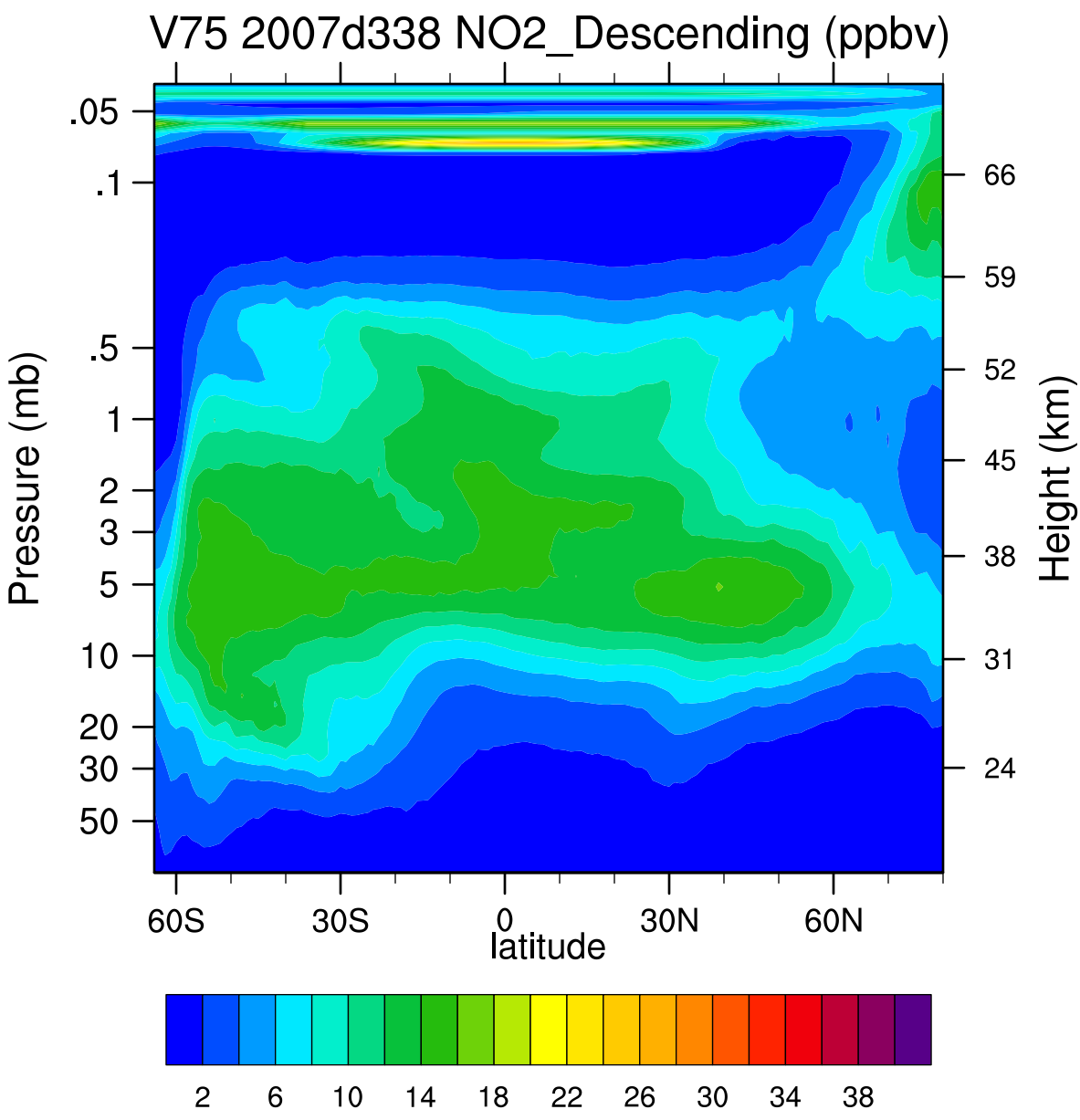
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Pressure (mb)
66
59
52
45
38
31
24
Height (km)
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30N
60N
latitude
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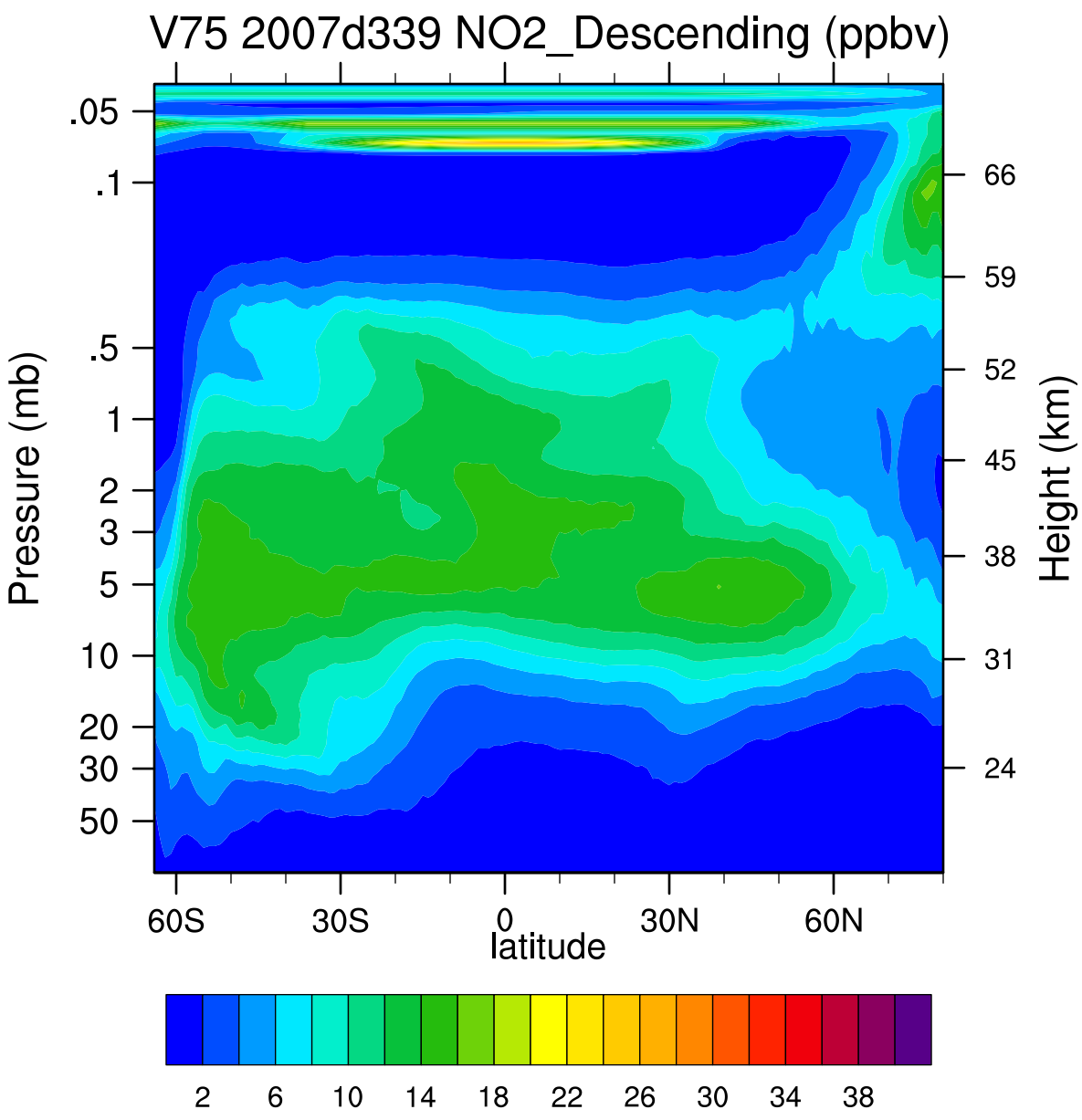
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Pressure (mb)
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59
52
45
38
31
24
Height (km)
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30S
0
30N
60N
latitude
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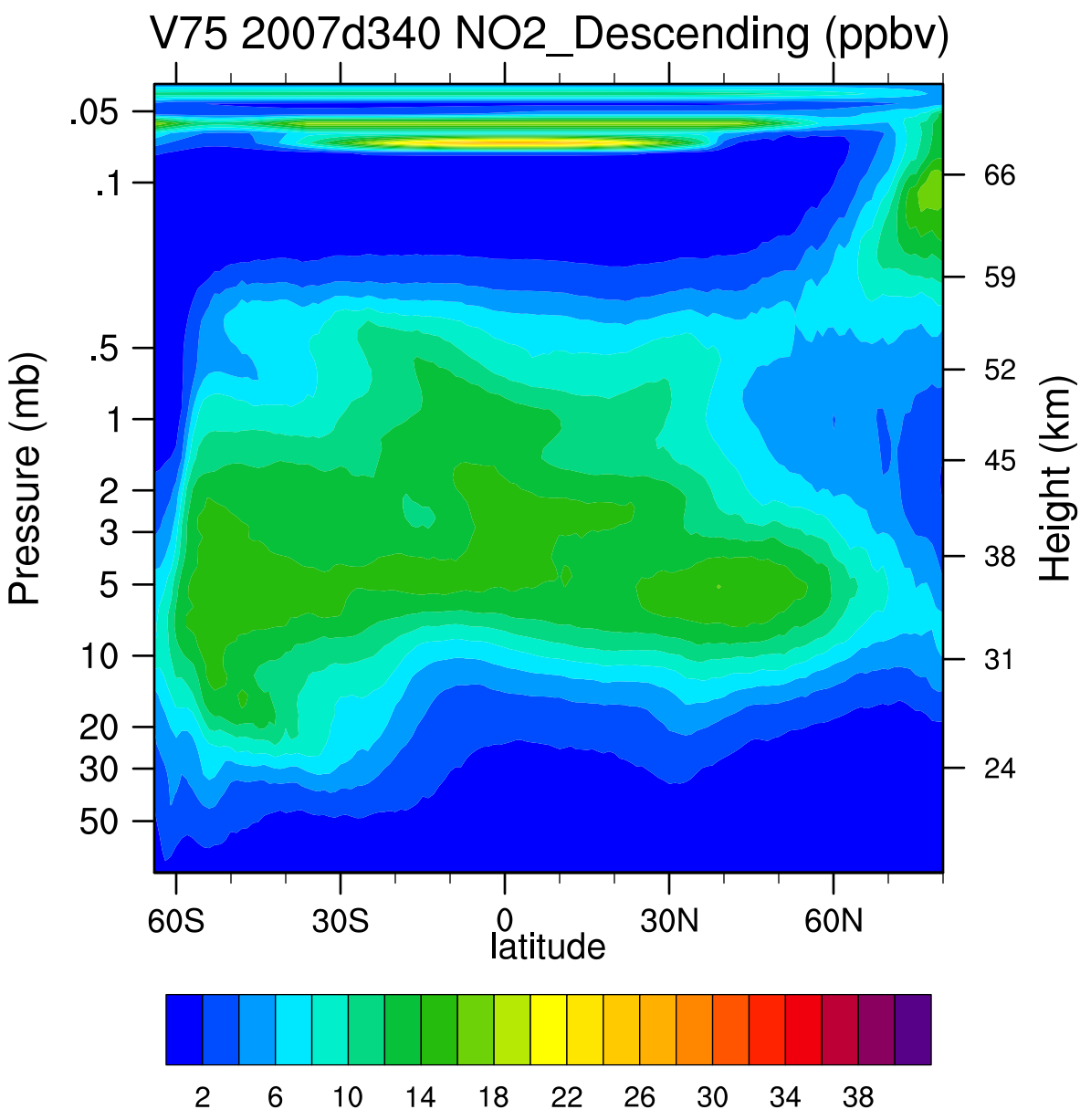
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Pressure (mb)
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59
52
45
38
31
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Height (km)
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30N
60N
latitude
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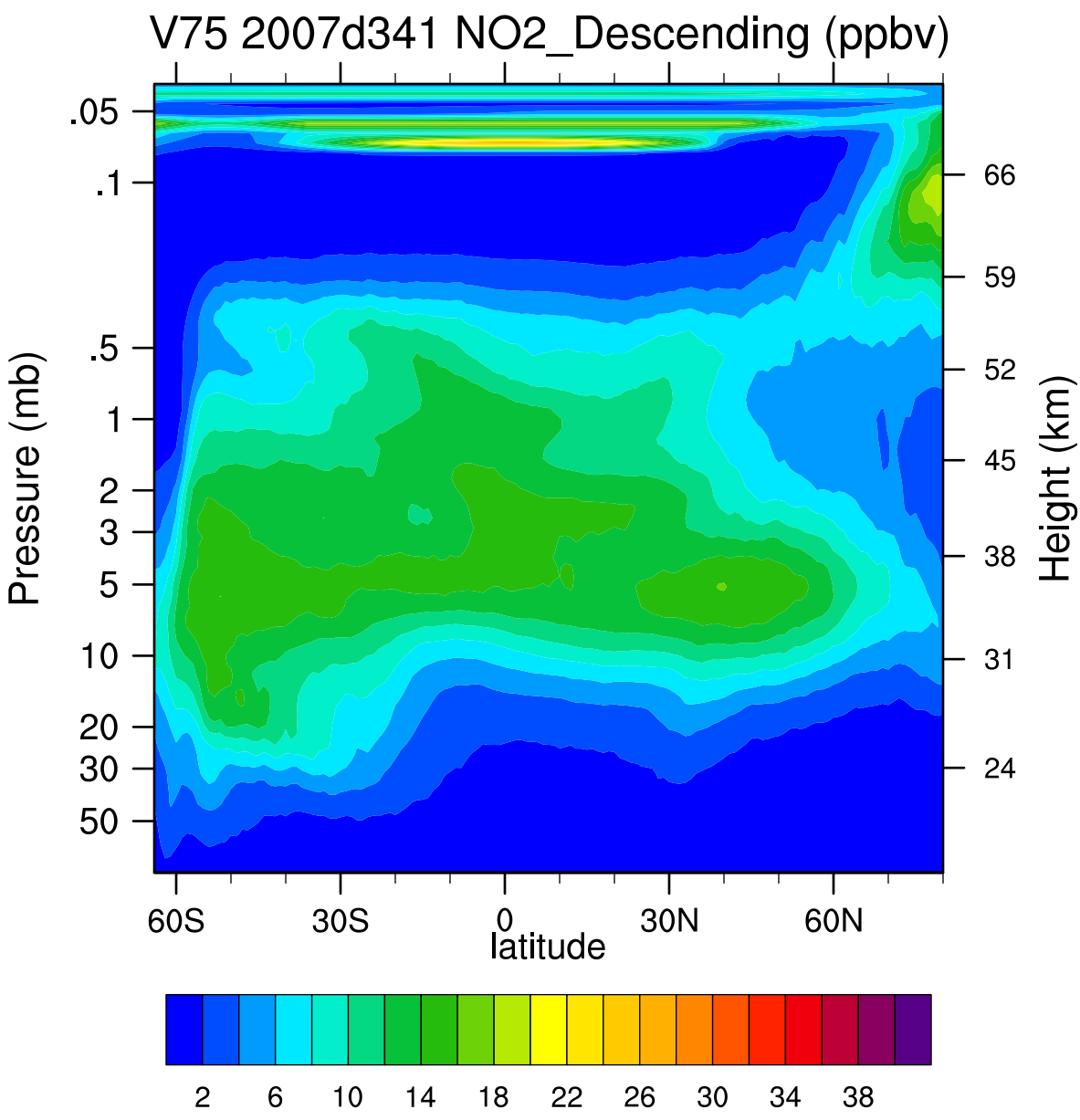
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Pressure (mb)
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59
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38
31
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Height (km)
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0
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60N
latitude
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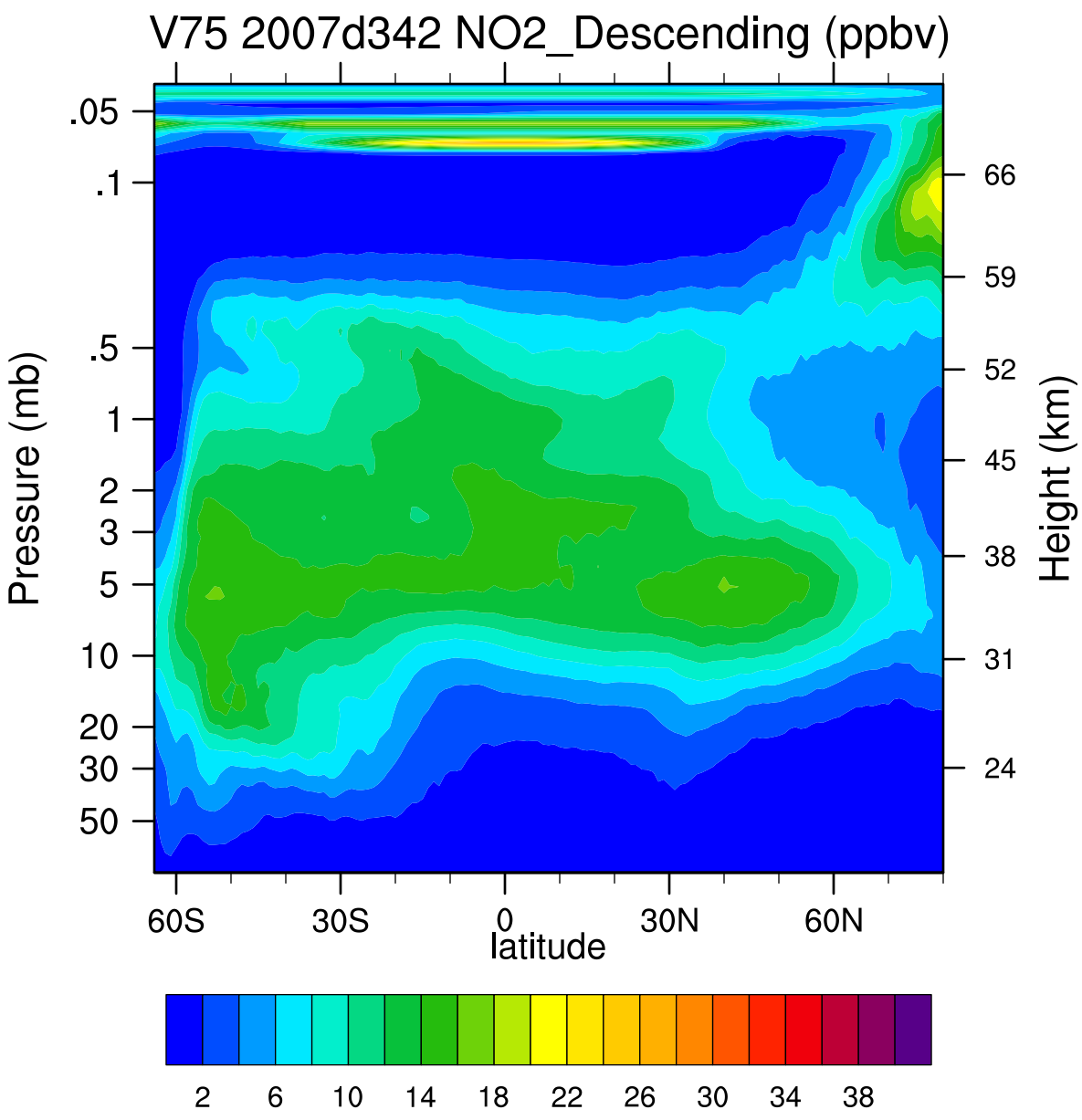
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Pressure (mb)
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Height (km)
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59
52
45
38
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24
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30S
0
30N
60N
latitude
2
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10
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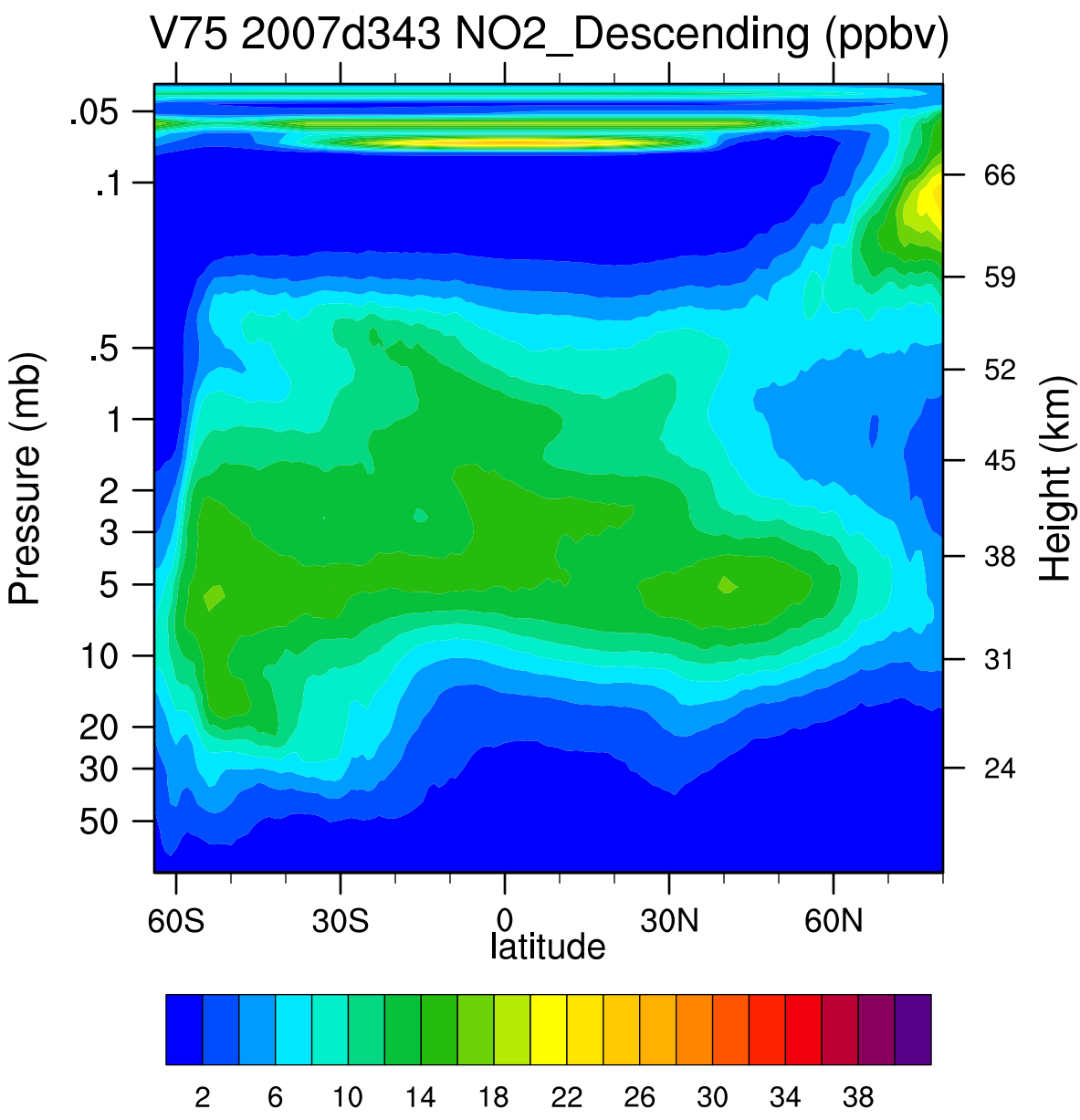
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Pressure (mb)
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Height (km)
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59
52
45
38
31
24
60S
30S
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30N
60N
latitude
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26
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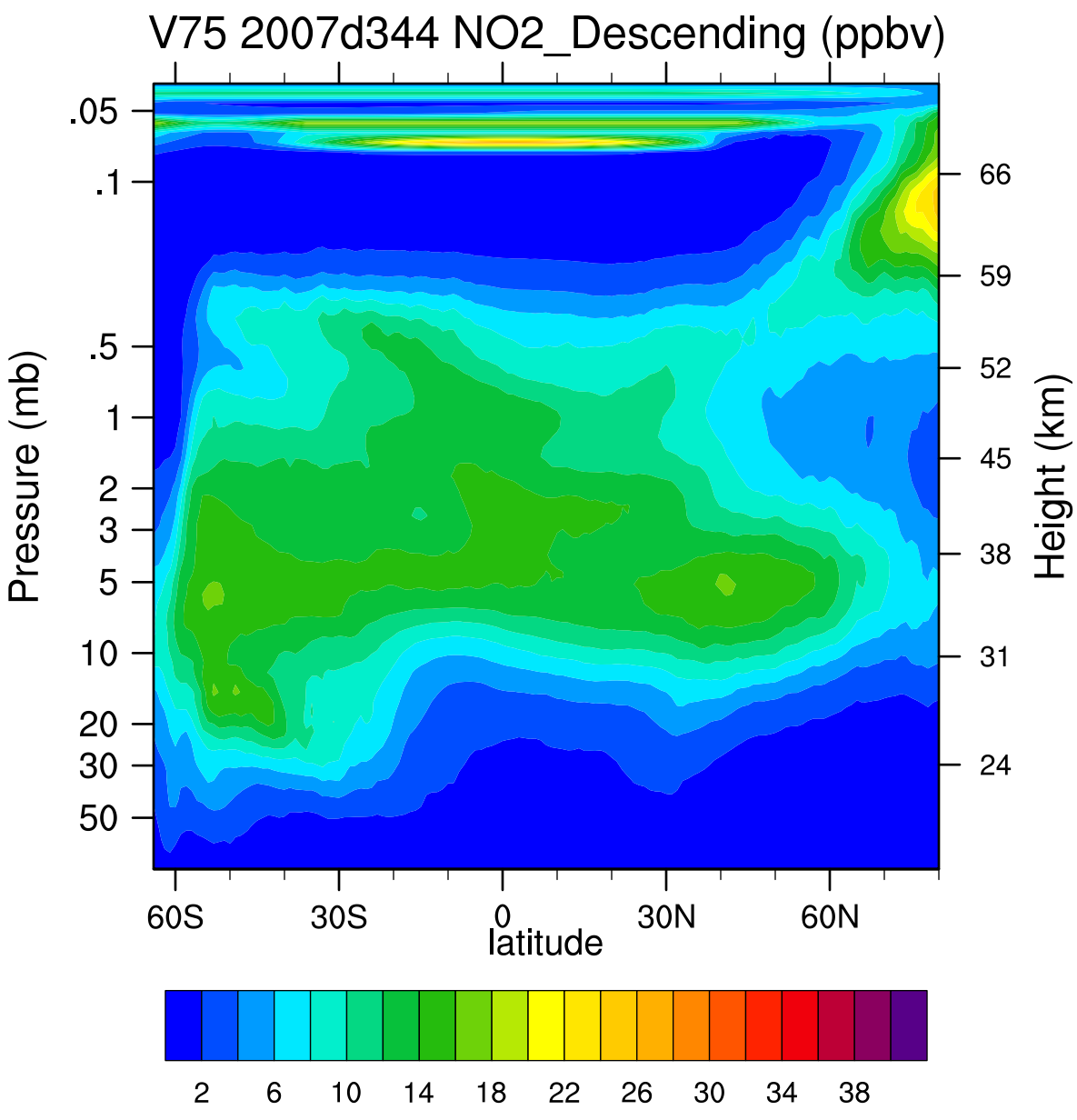
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Pressure (mb)
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Height (km)
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59
52
45
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30S
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30N
60N
latitude
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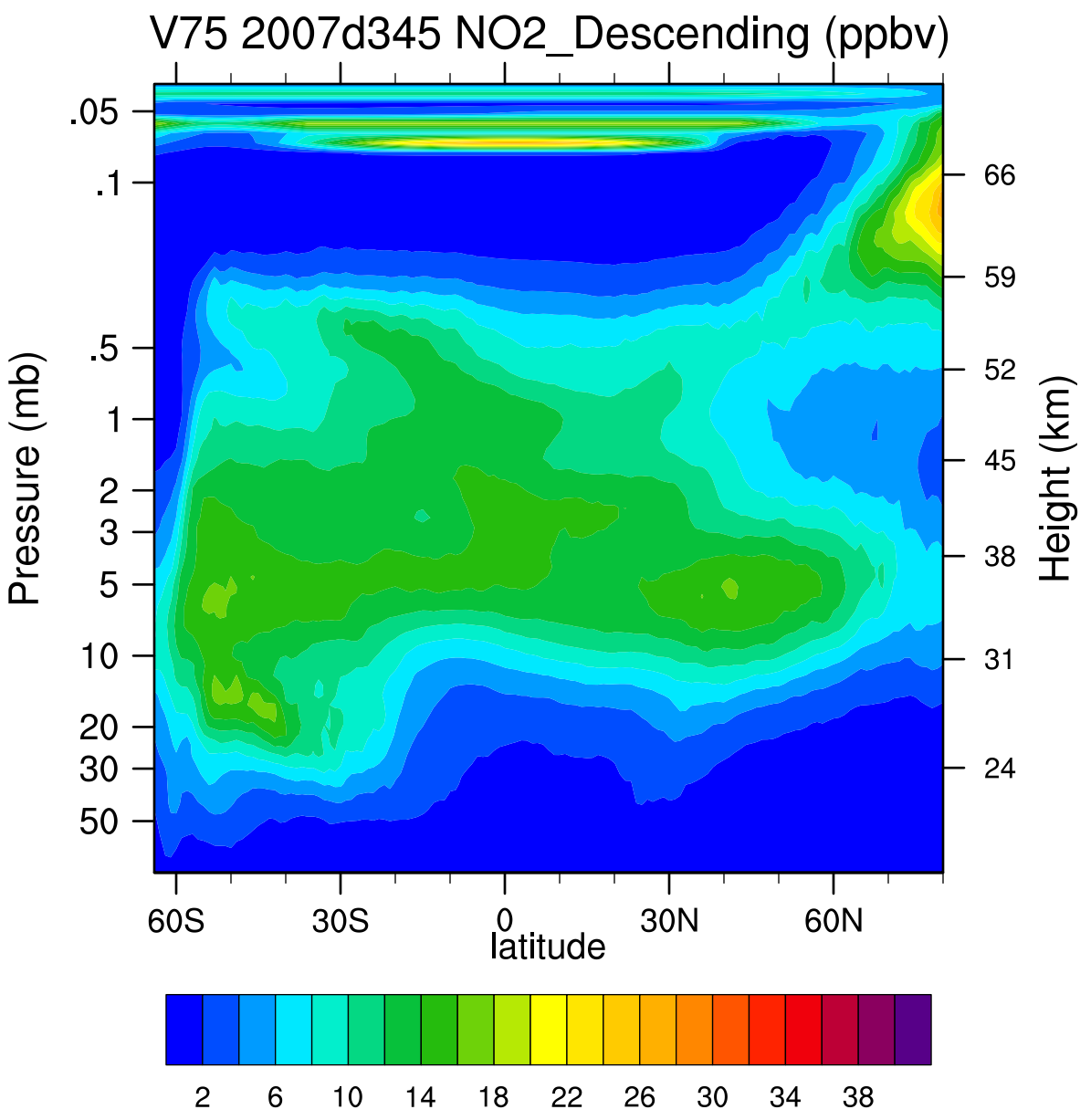
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Height (km)
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52
45
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24
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30S
0
30N
60N
latitude
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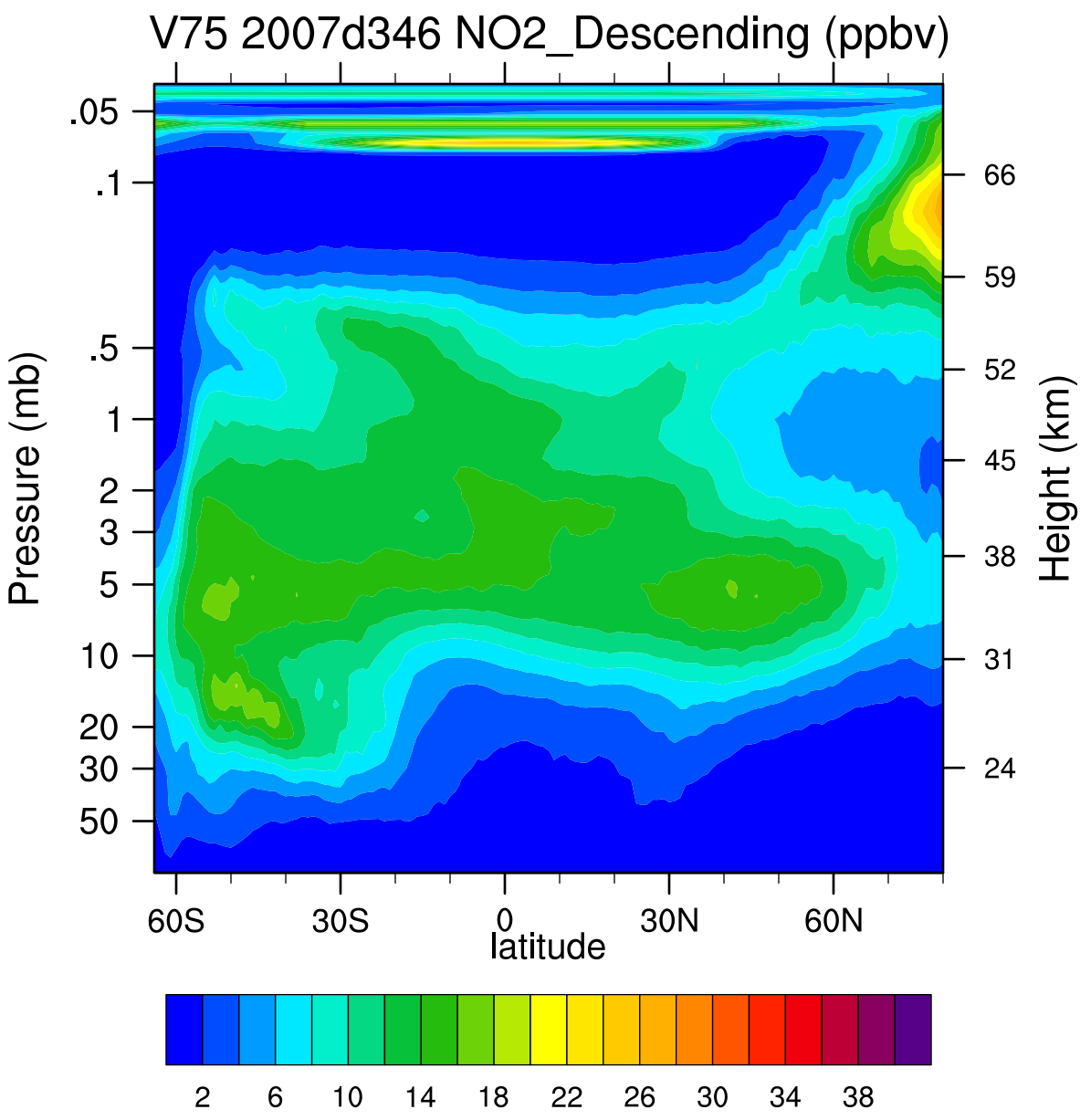
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Pressure (mb)
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59
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45
38
31
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Height (km)
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30S
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30N
60N
latitude
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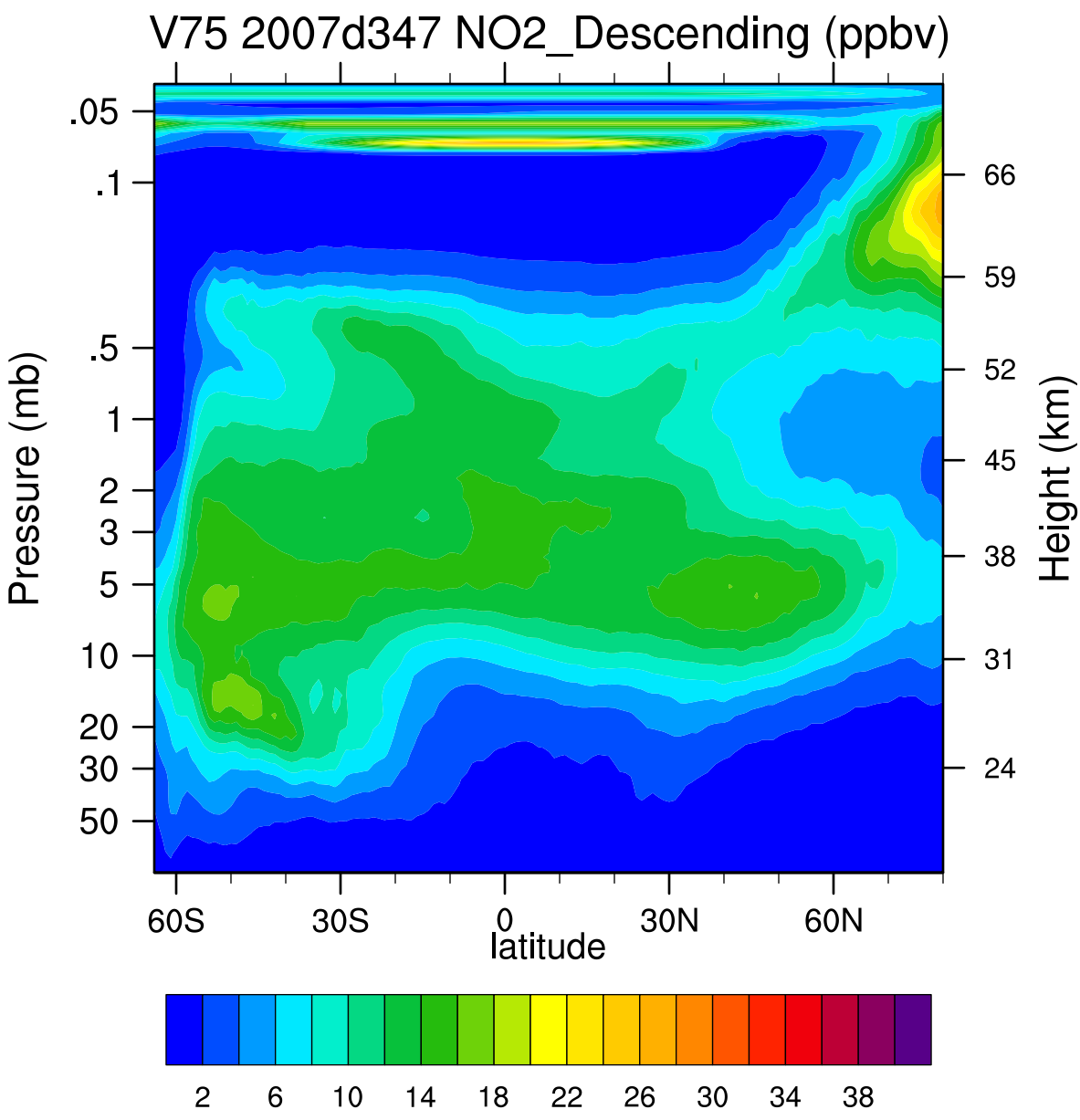
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Pressure (mb)
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Height (km)
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59
52
45
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24
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30S
0
30N
60N
latitude
2
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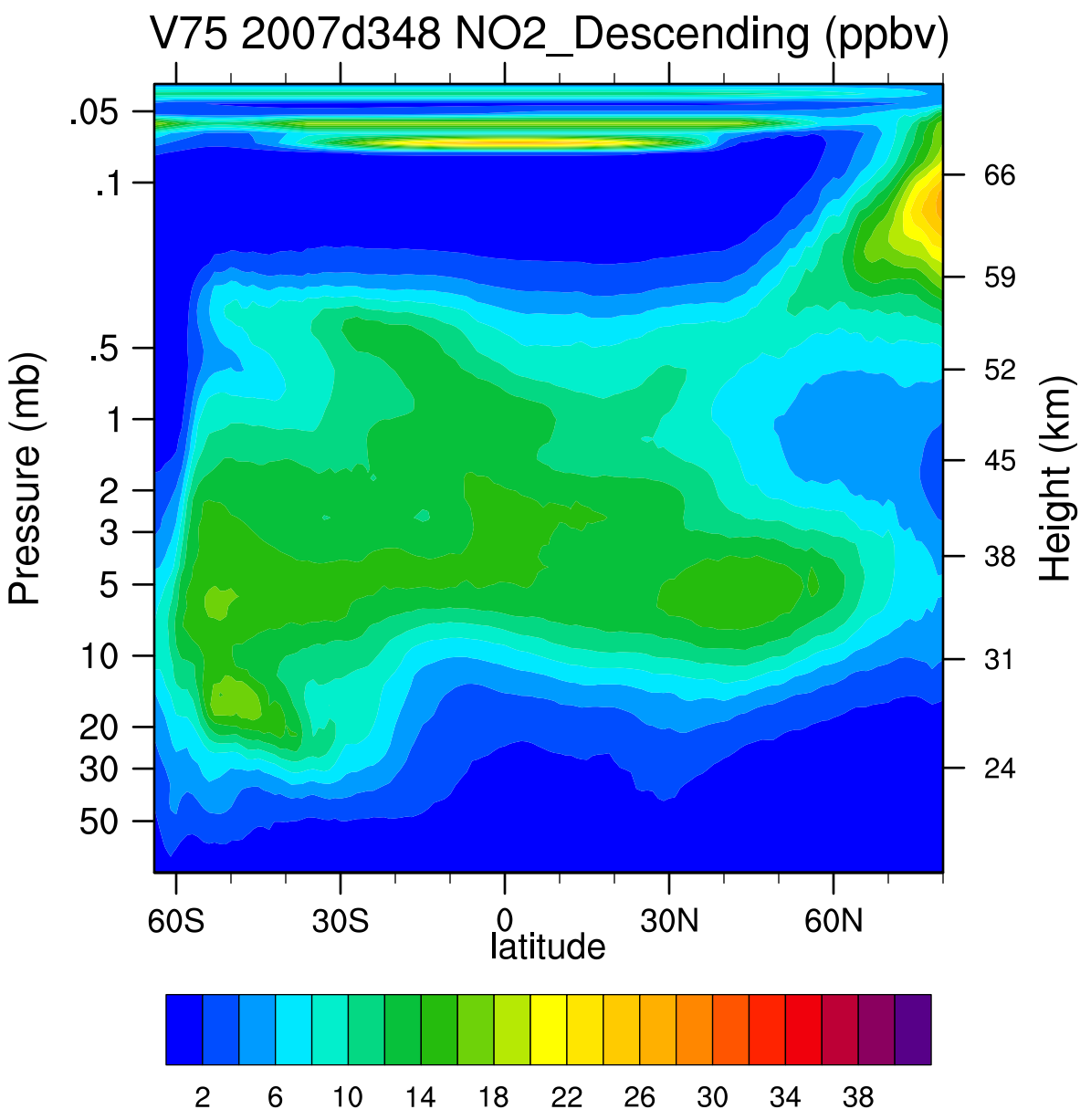
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Pressure (mb)
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59
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45
38
31
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Height (km)
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30S
0
30N
60N
latitude
2
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26
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34
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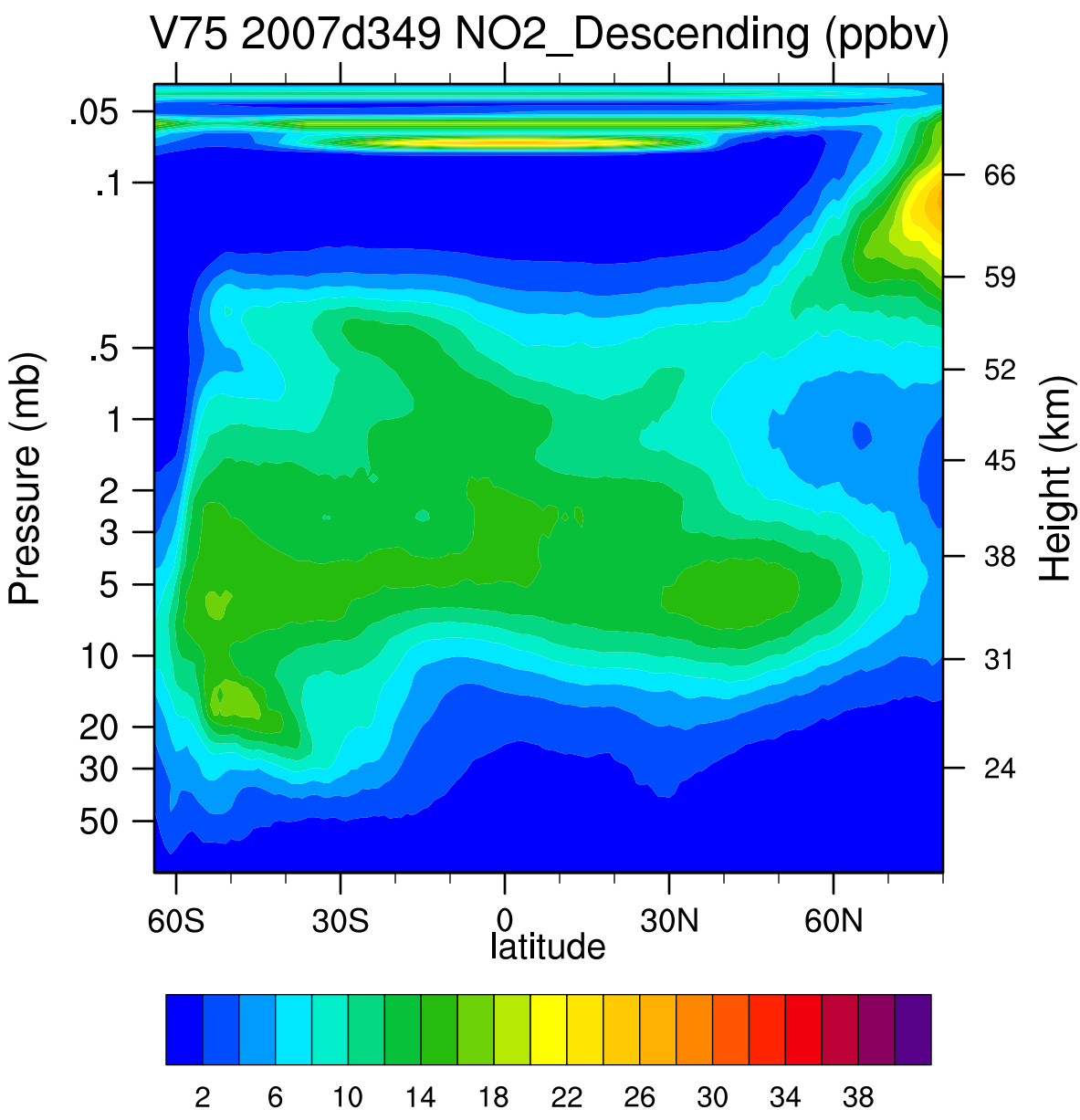
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Pressure (mb)
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Height (km)
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52
45
38
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24
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30S
0
30N
60N
latitude
2
6
10
14
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22
26
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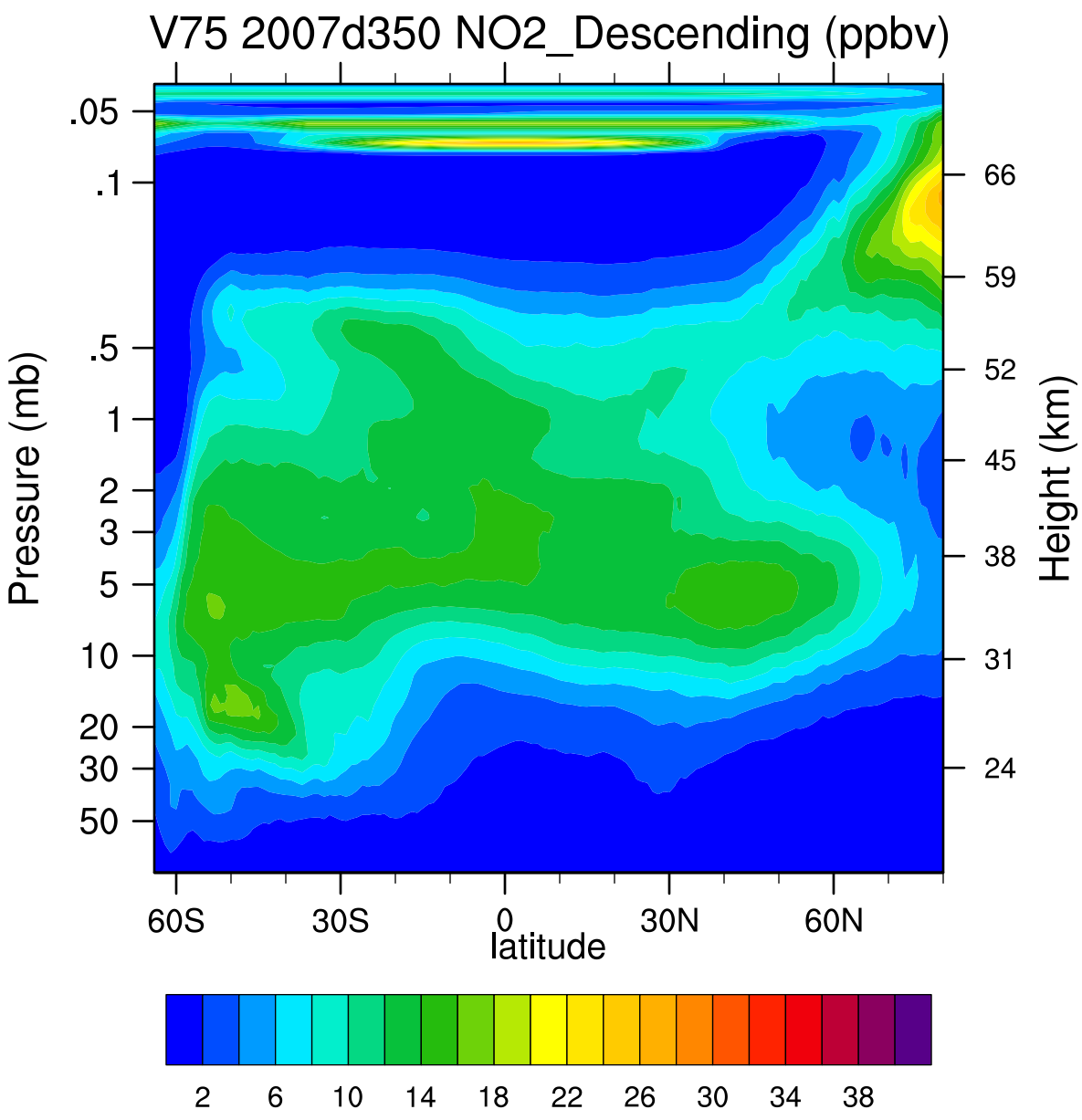
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Height (km)
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59
52
45
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30S
0
30N
60N
latitude
2
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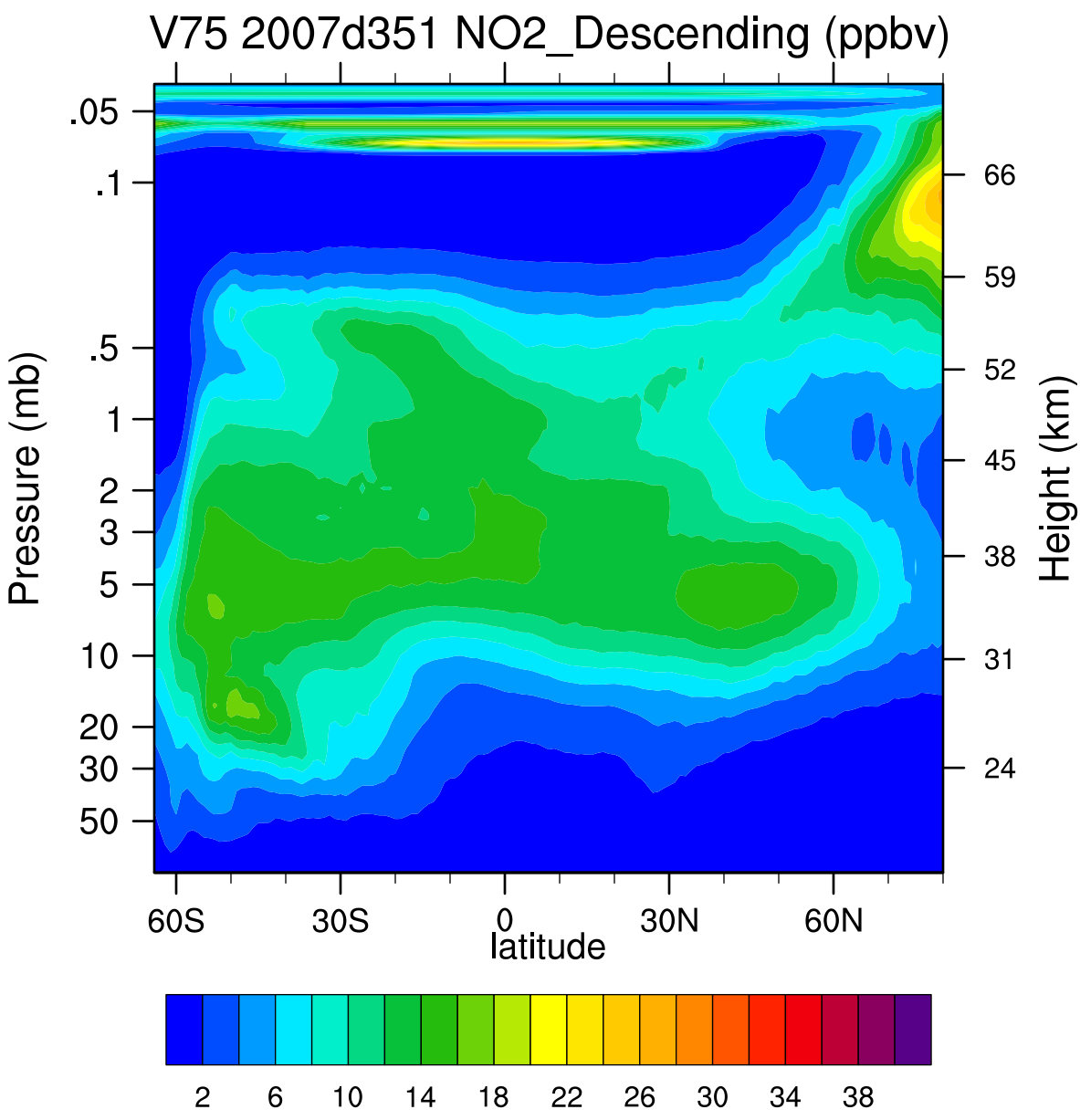
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Height (km)
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59
52
45
38
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24
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30S
0
30N
60N
latitude
2
6
10
14
18
22
26
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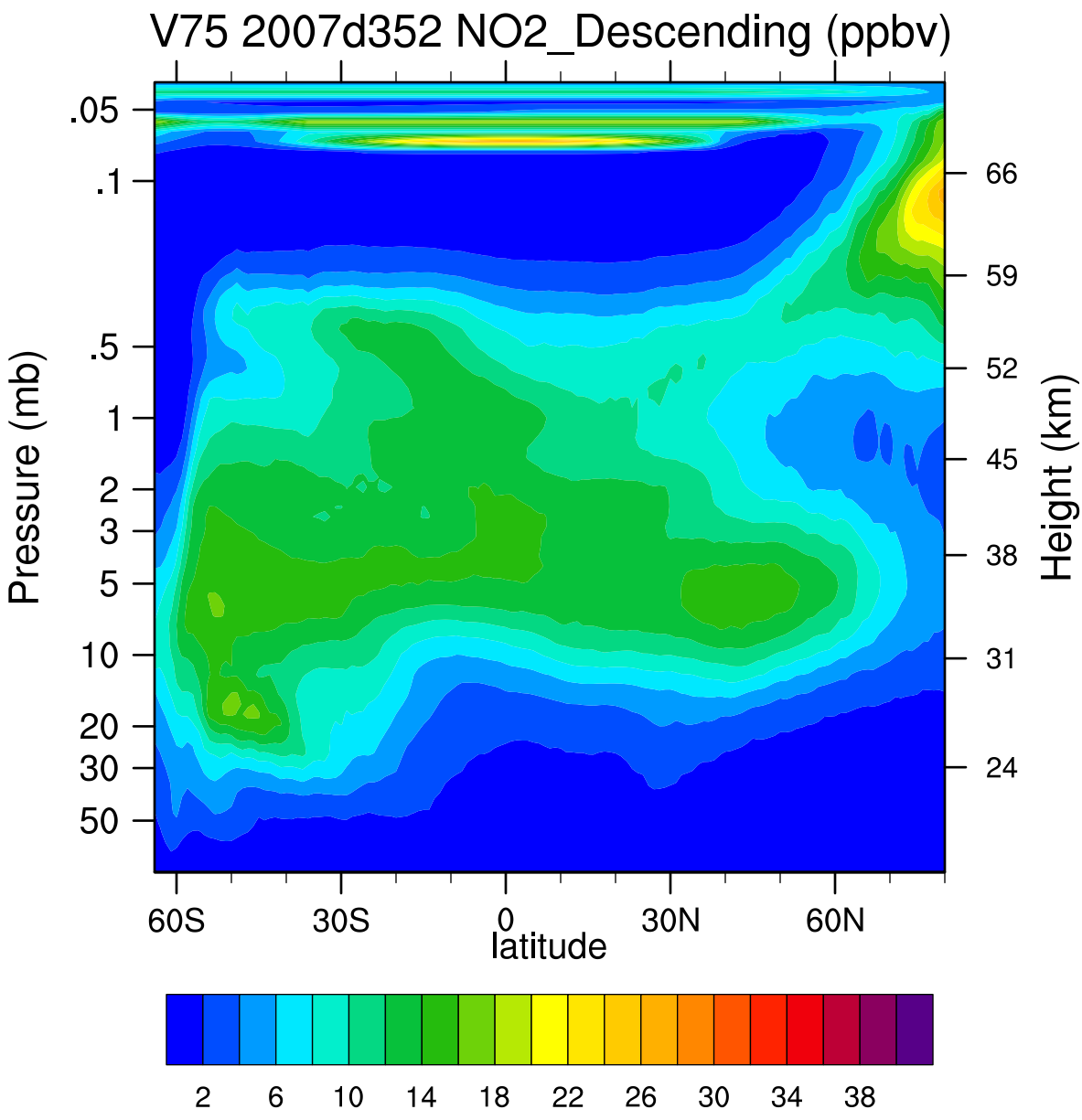
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Height (km)
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59
52
45
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24
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30S
0
30N
60N
latitude
2
6
10
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26
30
34
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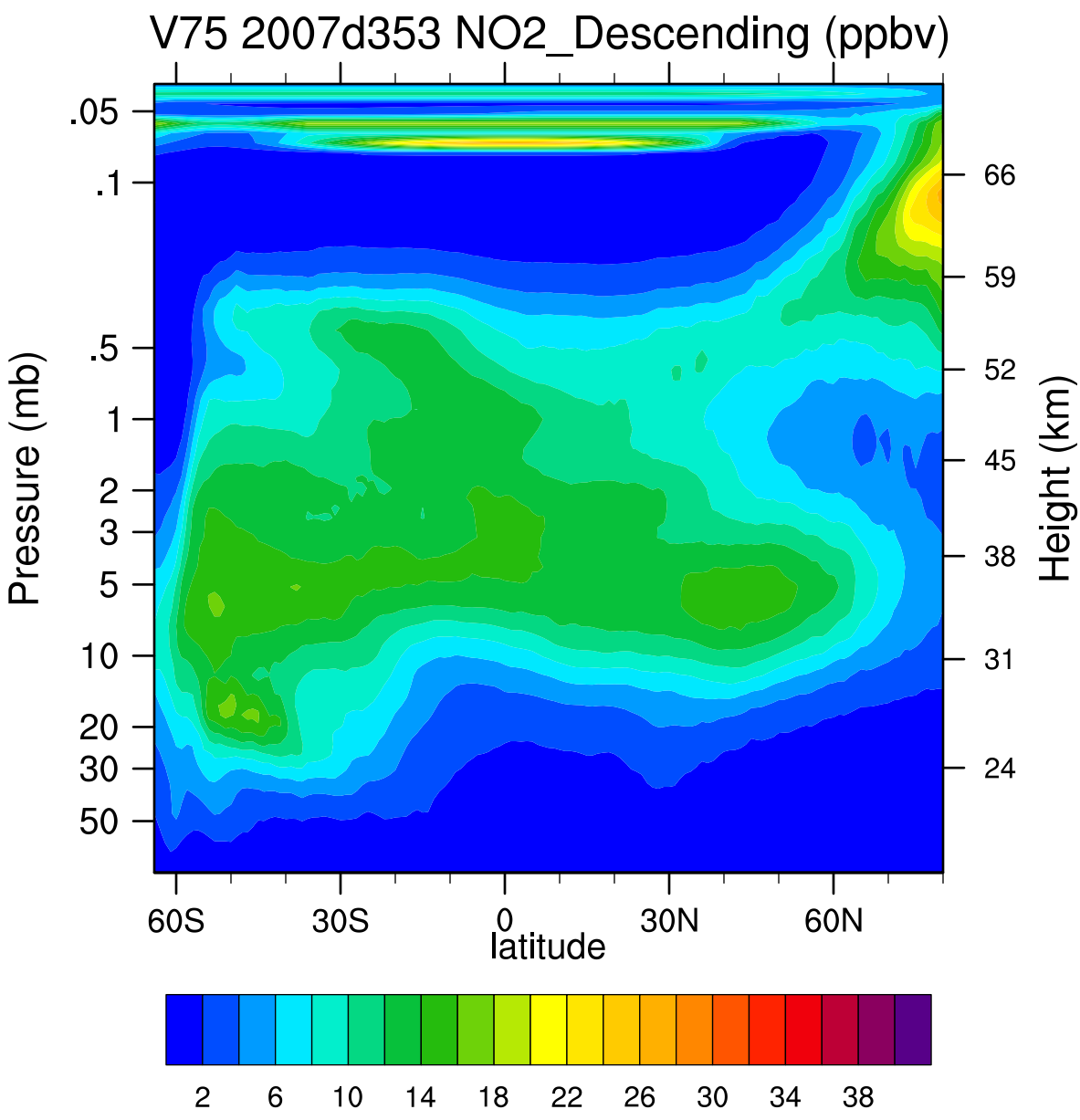
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Height (km)
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59
52
45
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latitude
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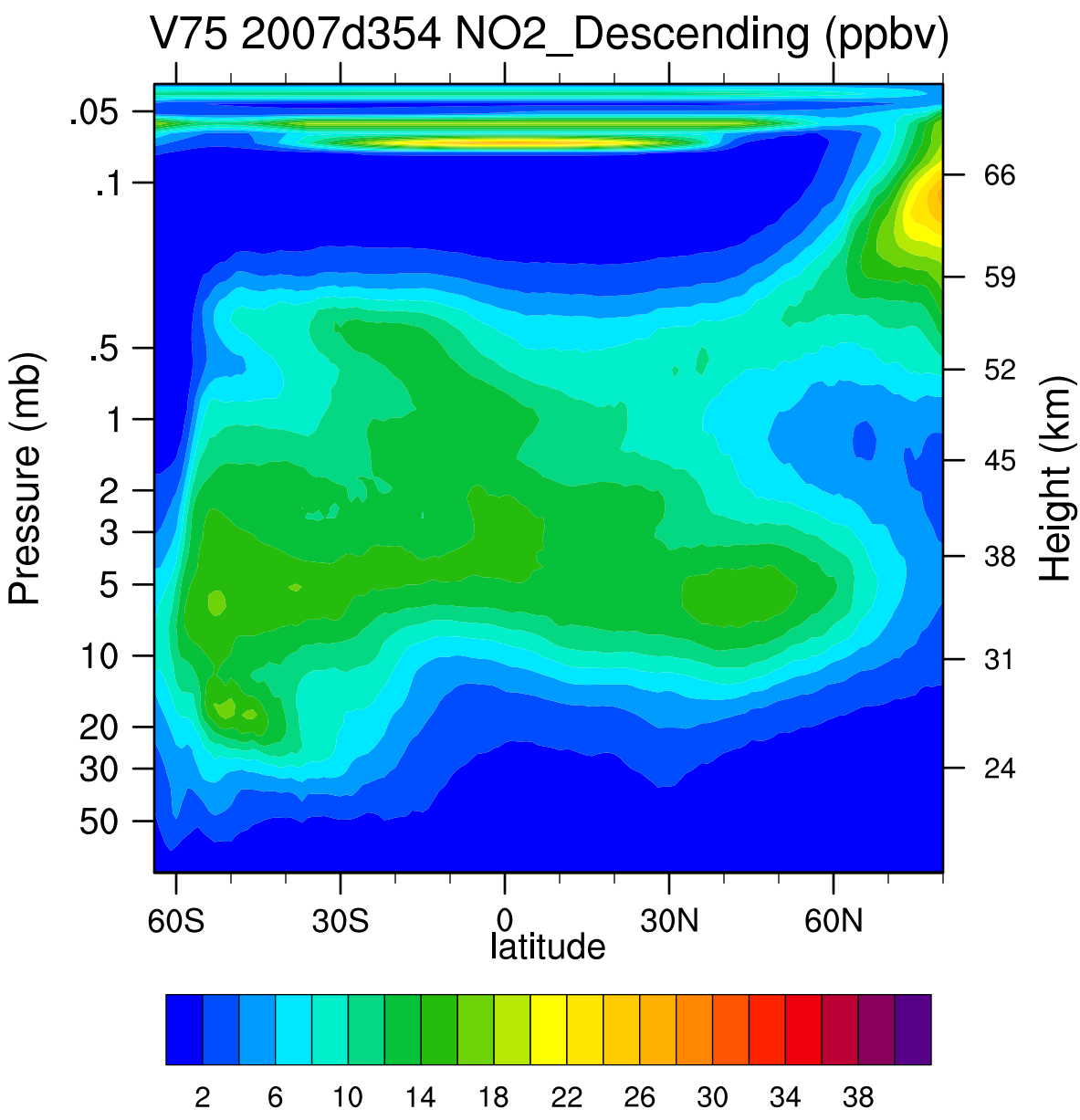
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Pressure (mb)
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38
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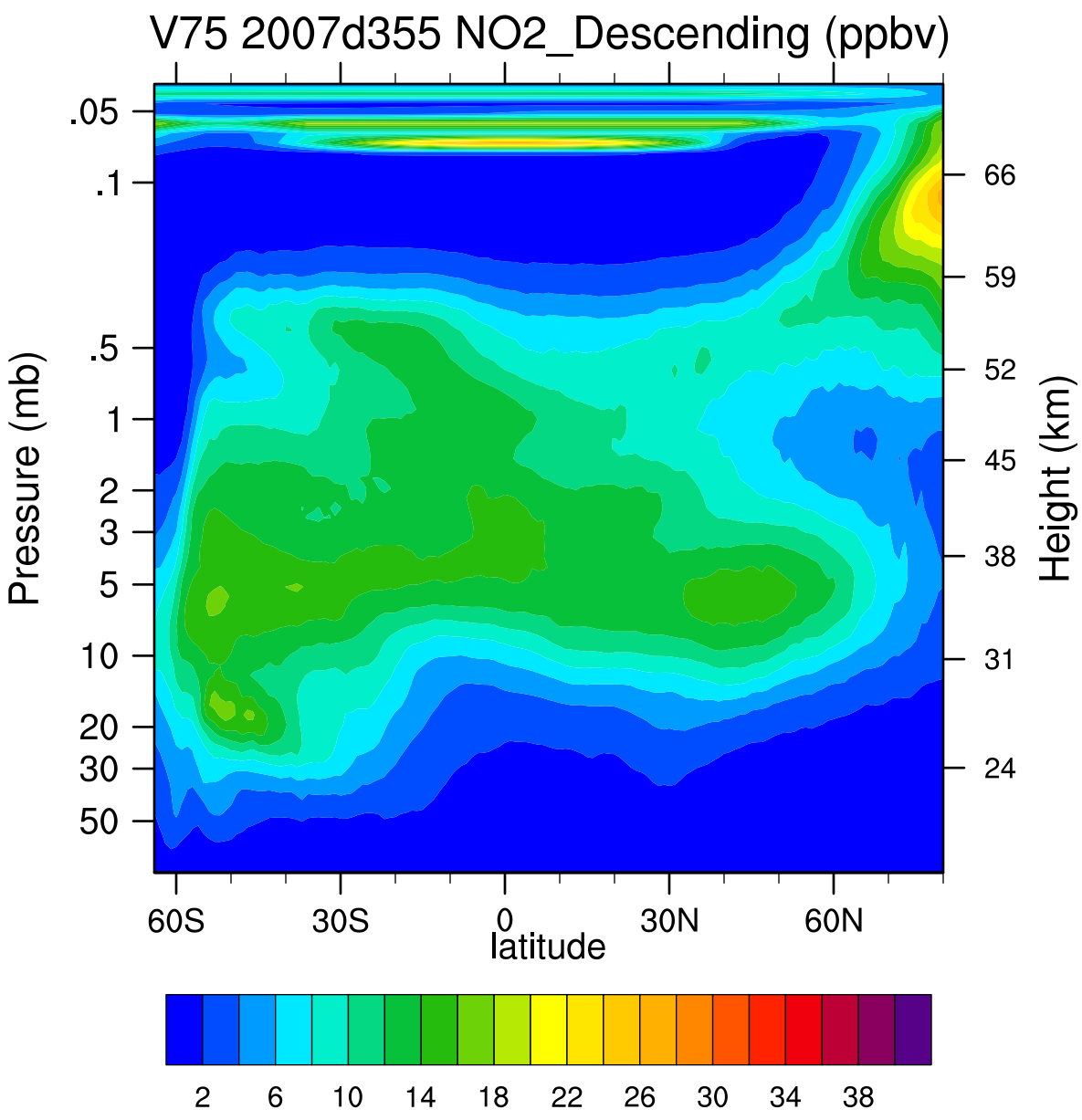
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Height (km)
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52
45
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60N
latitude
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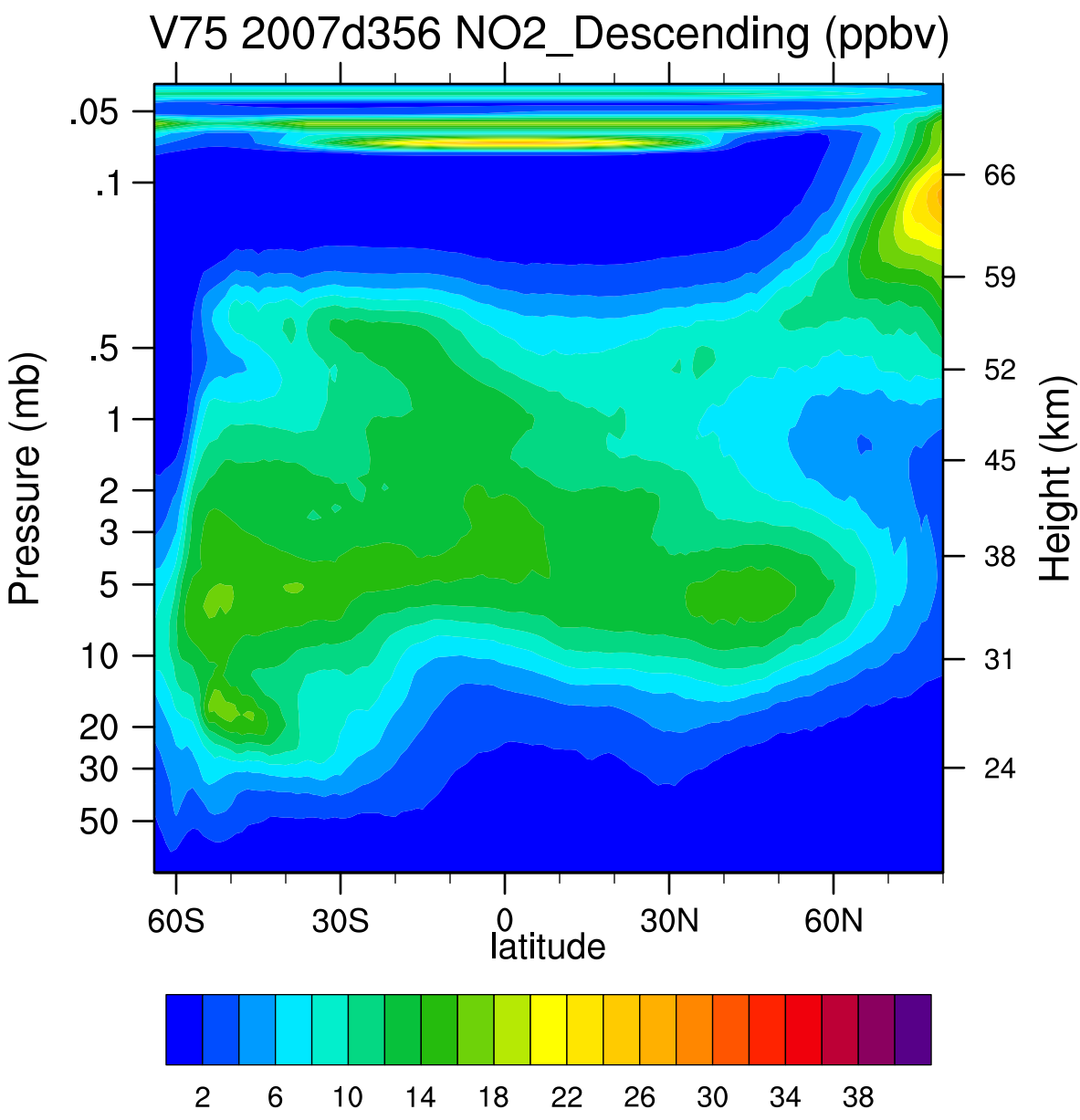
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Pressure (mb)
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38
31
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Height (km)
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30S
0
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60N
latitude
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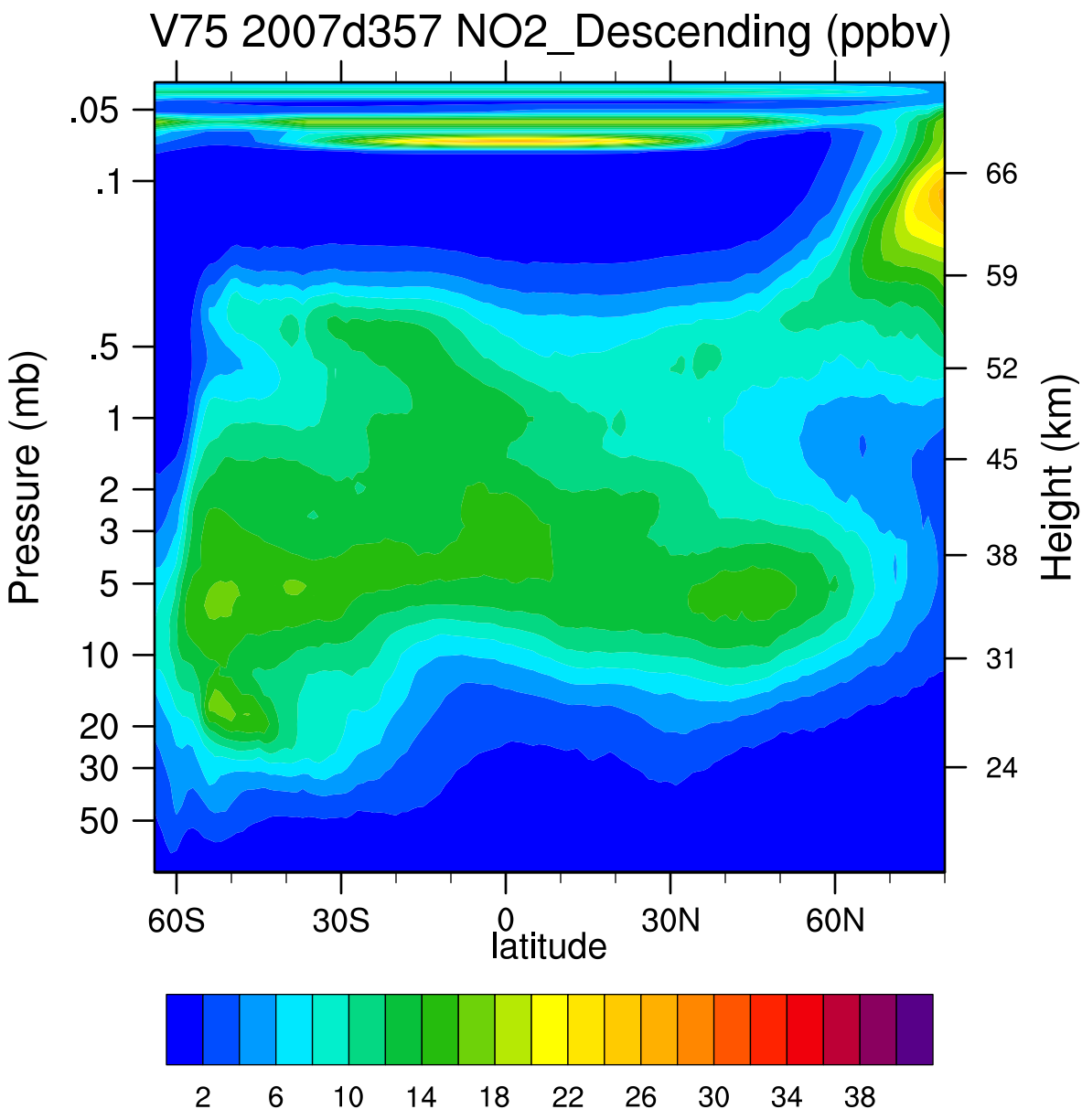
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Height (km)
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52
45
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30S
0
30N
60N
latitude
2
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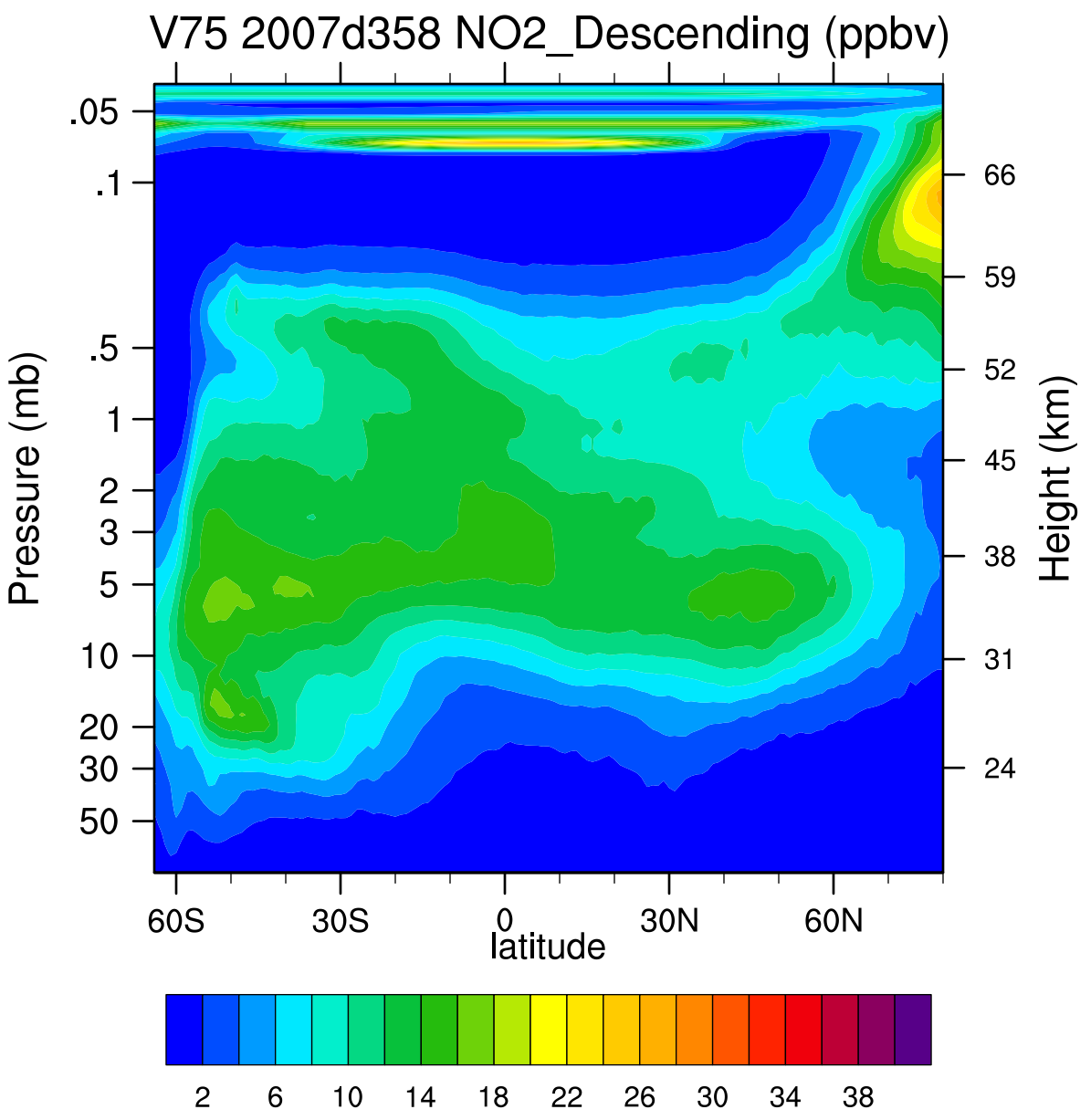
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Height (km)
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59
52
45
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30S
0
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60N
latitude
2
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18
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34
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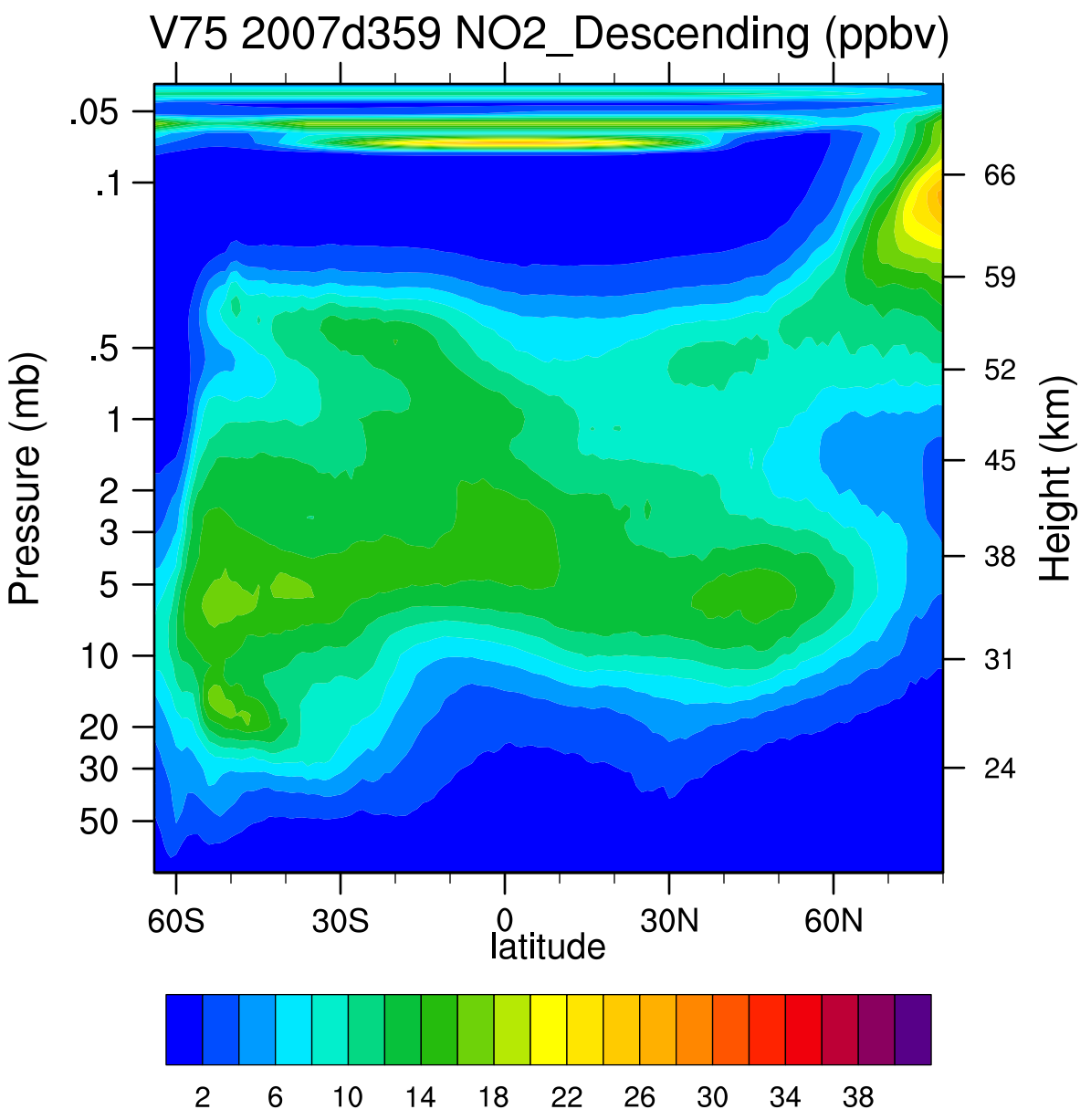
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Height (km)
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59
52
45
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30S
0
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60N
latitude
2
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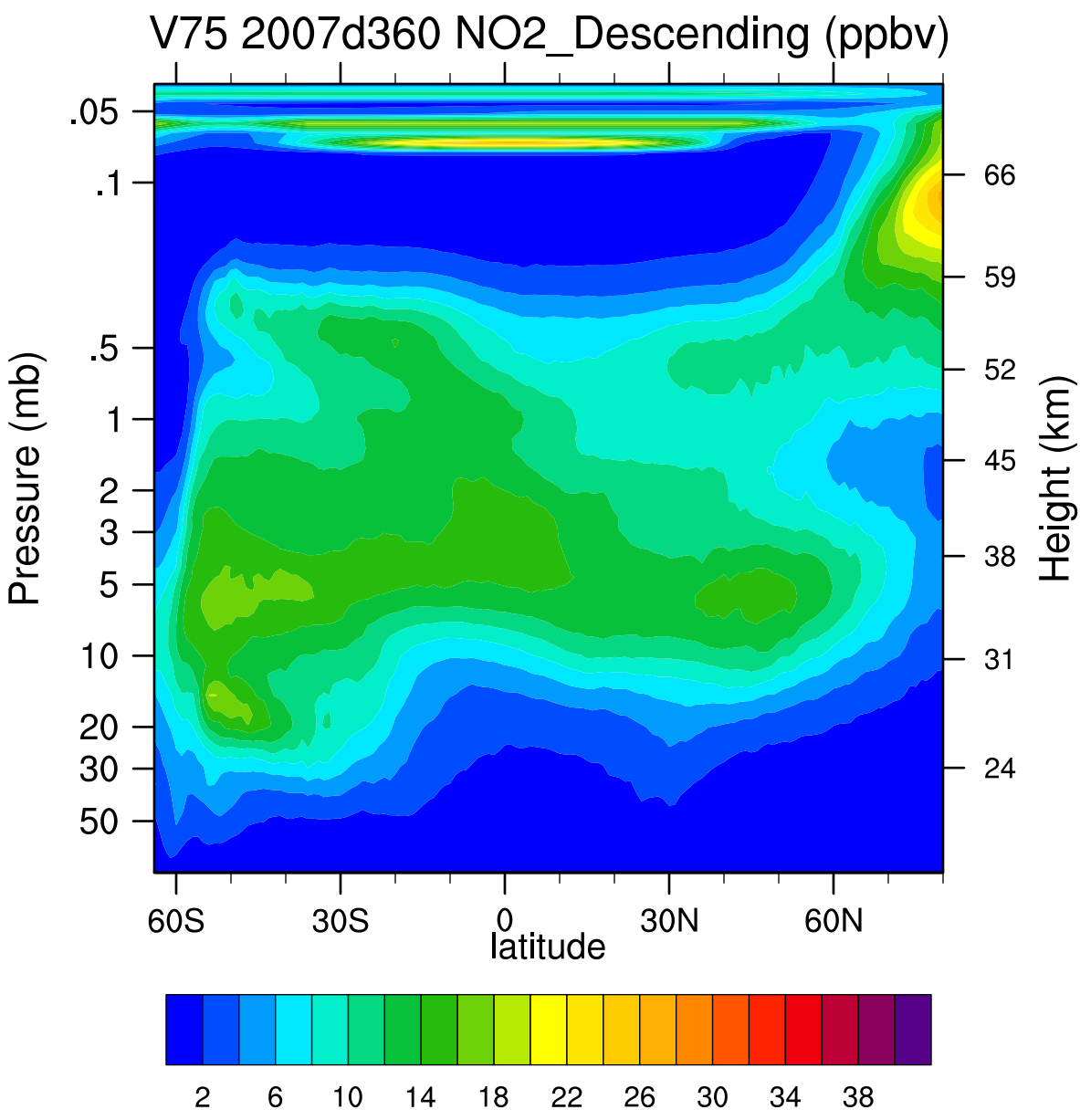
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Height (km)
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52
45
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0
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60N
latitude
2
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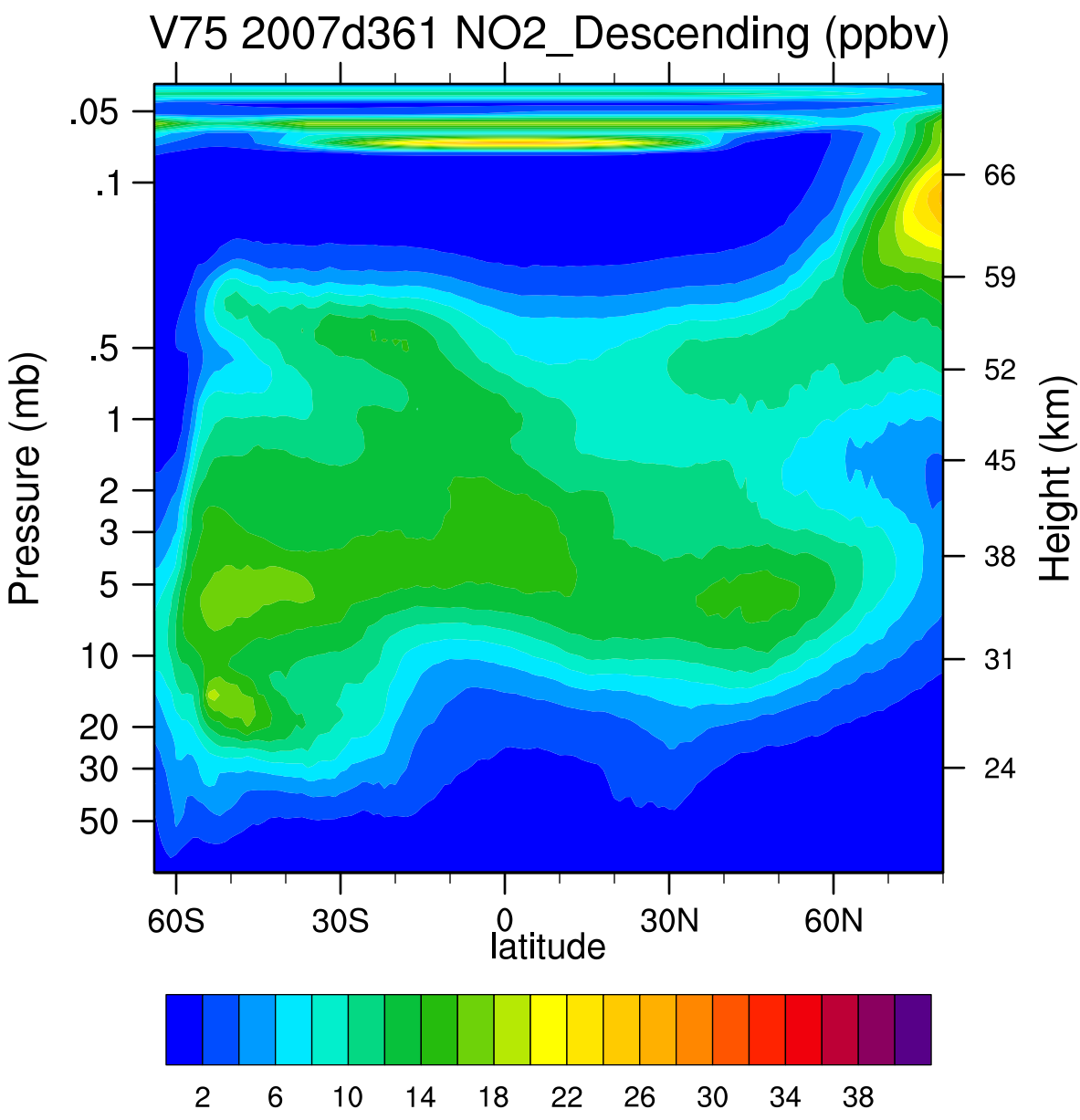
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Height (km)
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59
52
45
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60N
latitude
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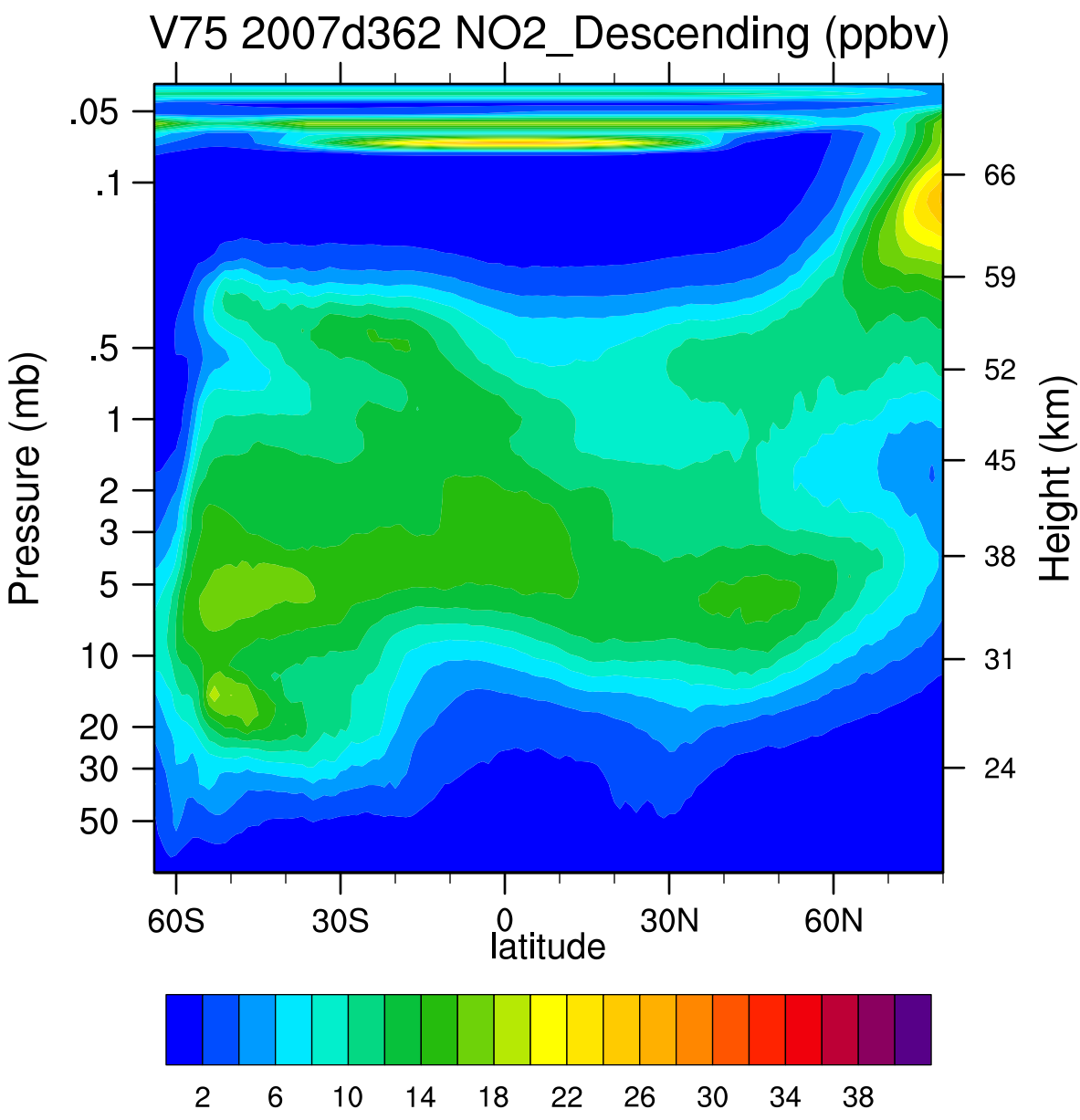
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Pressure (mb)
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45
38
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Height (km)
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60N
latitude
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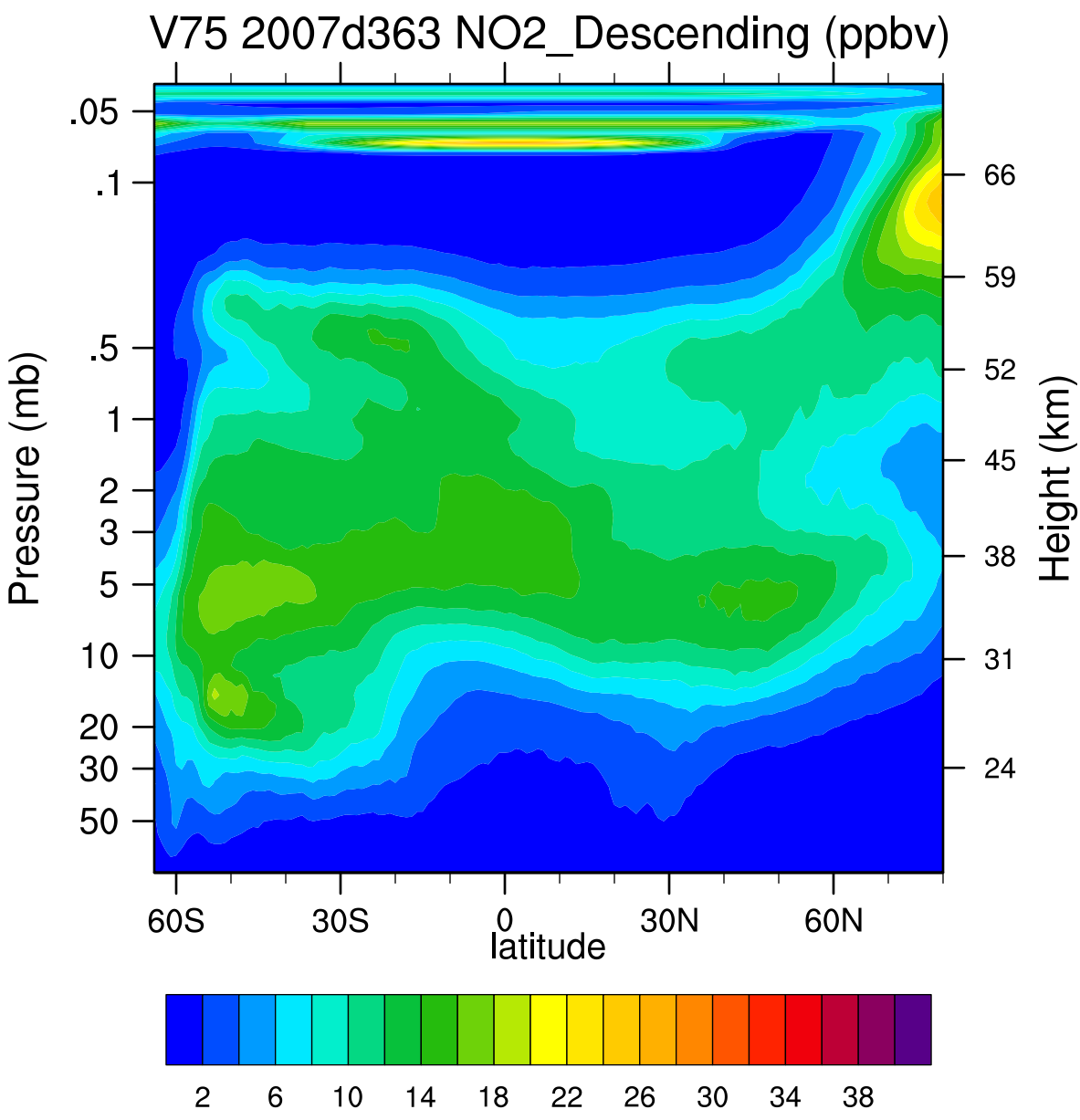
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Height (km)
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52
45
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60N
latitude
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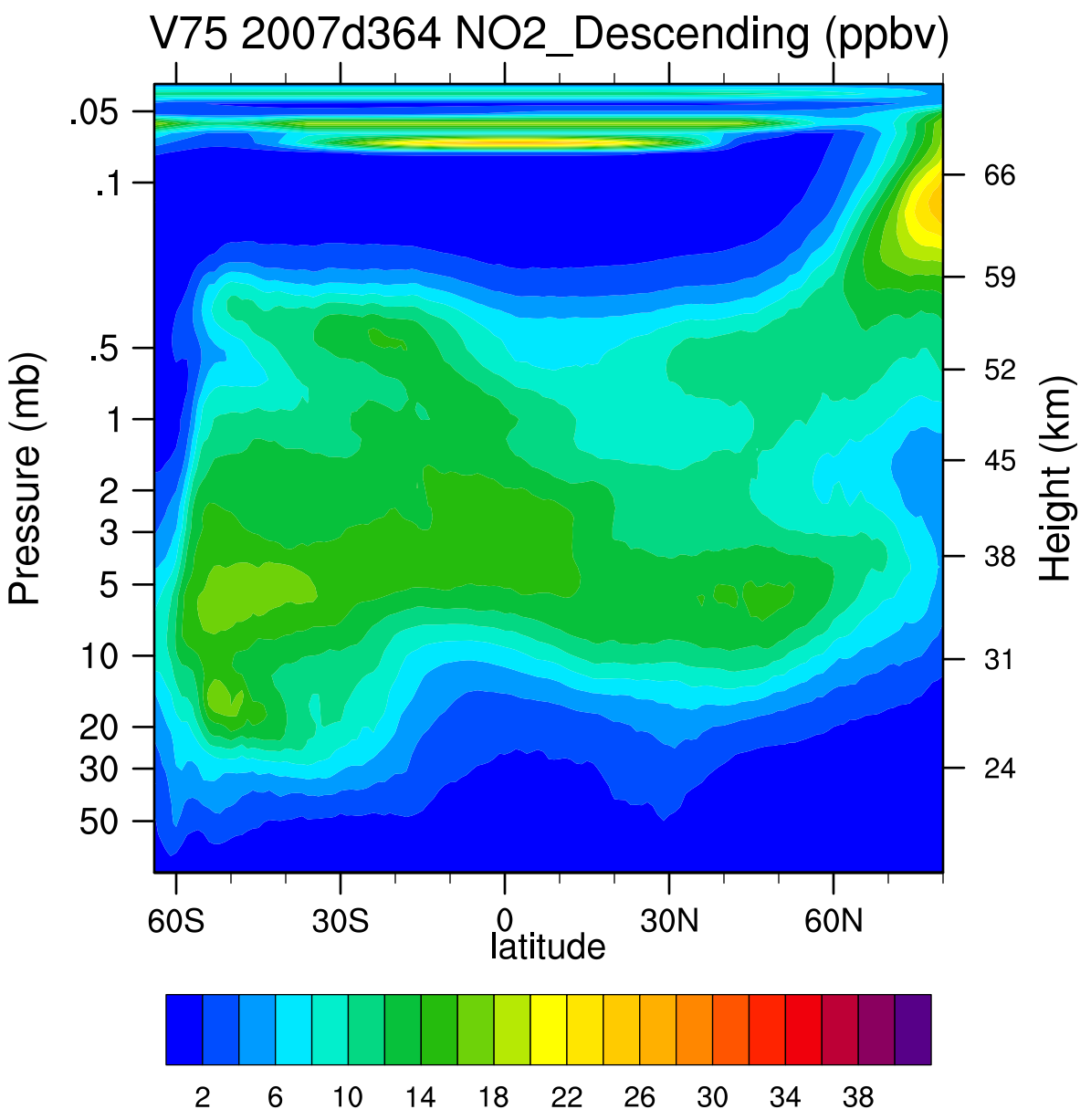
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Height (km)
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52
45
38
31
24
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30S
0
30N
60N
latitude
2
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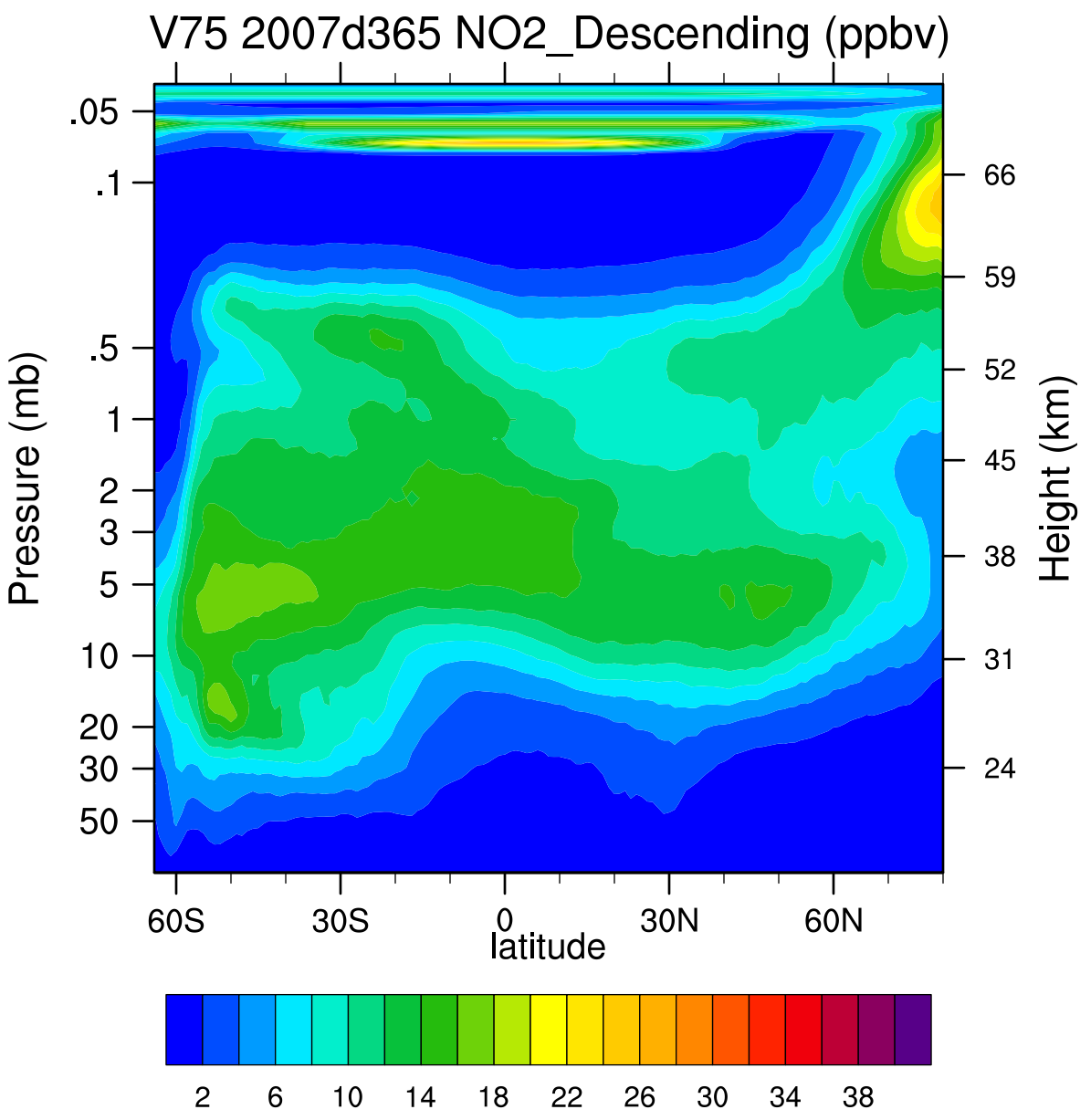
34
38


V75 2007d365 NO2_Descending (ppbv)
Pressure (mb)
.05
.1
.5
1
2
3
5
10
20
30
50
Height (km)
66
59
52
45
38
31
24
60S
30S
0
30N
60N
latitude
2
6
10
14
18
22
26
30
34
38