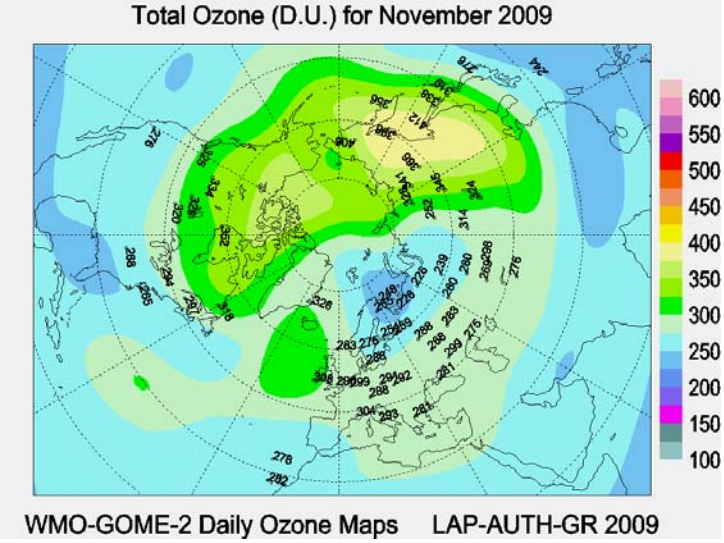
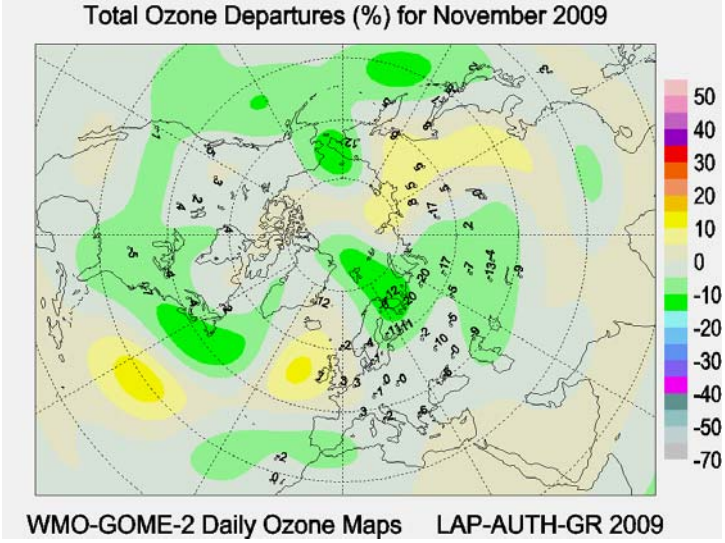
WMO Northern Hemisphere Ozone Mapping Center

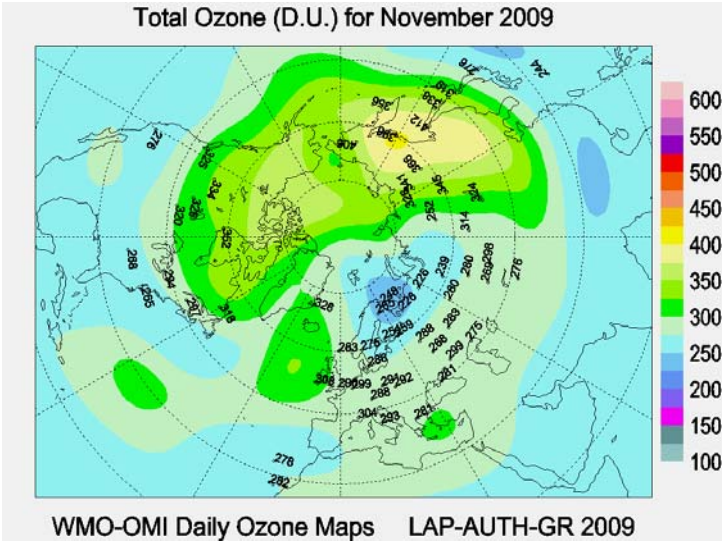
Monthly report

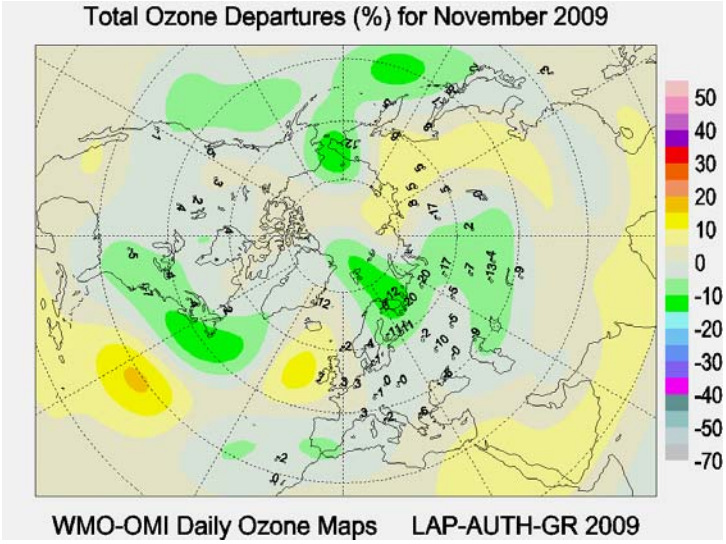
November 2009

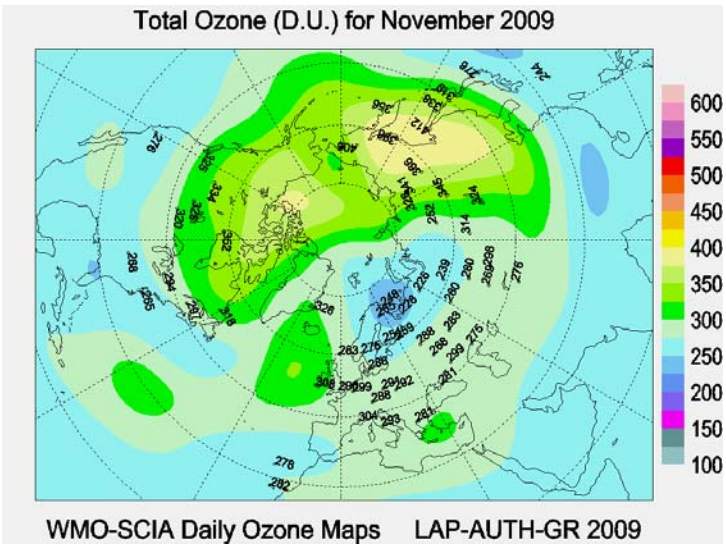
November showed low ozone values up to -15% below the pre-1976 values over Bering Sea, North Scandinavia and North West Atlantic Ocean. This pattern was prevalent the first 10day period with also high ozone values over North East Russia (around 15%). The above mentioned ozone abundance was increased to 30% and expanded over North Canada and Greenland, while an ozone destruction of about 20% was detected over Russia during the next 10day period. Ozone surpluses of the order of 30% were detected over Canada, Alaska and North Atlantic Ocean throughout the third 10day period and ozone depletions of about 15 % were observed over Siberia and North Pacific Ocean as well.

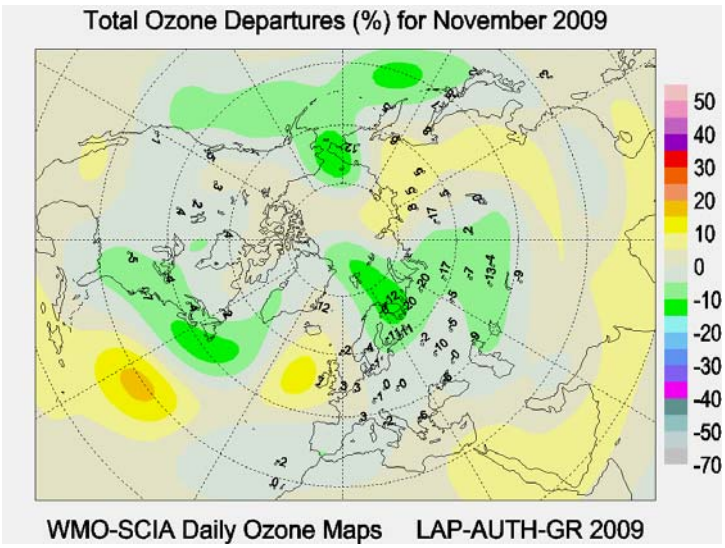


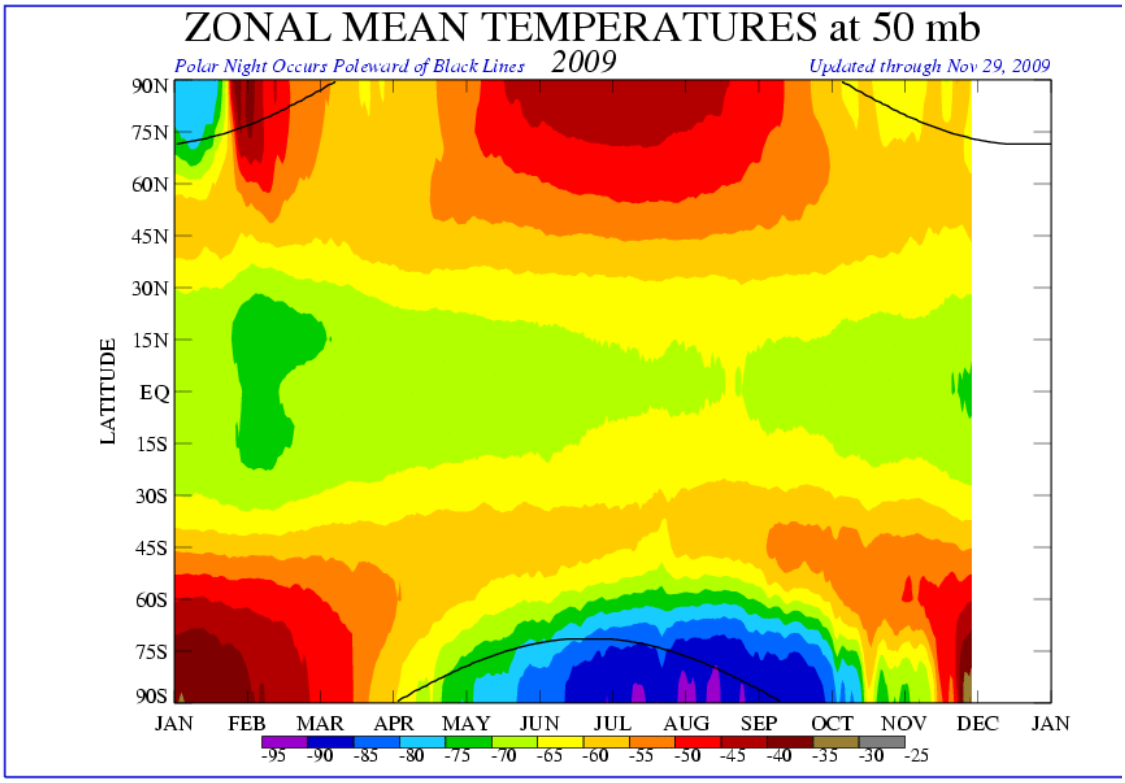



Total Ozone (D.U.) for November 2009
600
550
500
450
400
350
300
250
200
150
100
WMO-OMI Daily Ozone Maps LAP-AUTH-GR 2009


Total Ozone Departures (%) for November 2009
50
40
30
20
10
0
-10
-20
-30
-40
-50
-70
WMO-OMI Daily Ozone Maps LAP-AUTH-GR 2009


Total Ozone (D.U.) for November 2009
600
550
500
450
400
350
300
250
200
150
100
WMO-SCIA Daily Ozone Maps LAP-AUTH-GR 2009


Total Ozone Departures (%) for November 2009
50
40
30
20
10
0
-10
-20
-30
-40
-50
-70
WMO-SCIA Daily Ozone Maps LAP-AUTH-GR 2009



Courtesy of NOAA available at:

http://www.cpc.ncep.noaa.gov/products/stratosphere/polar/polar.shtml