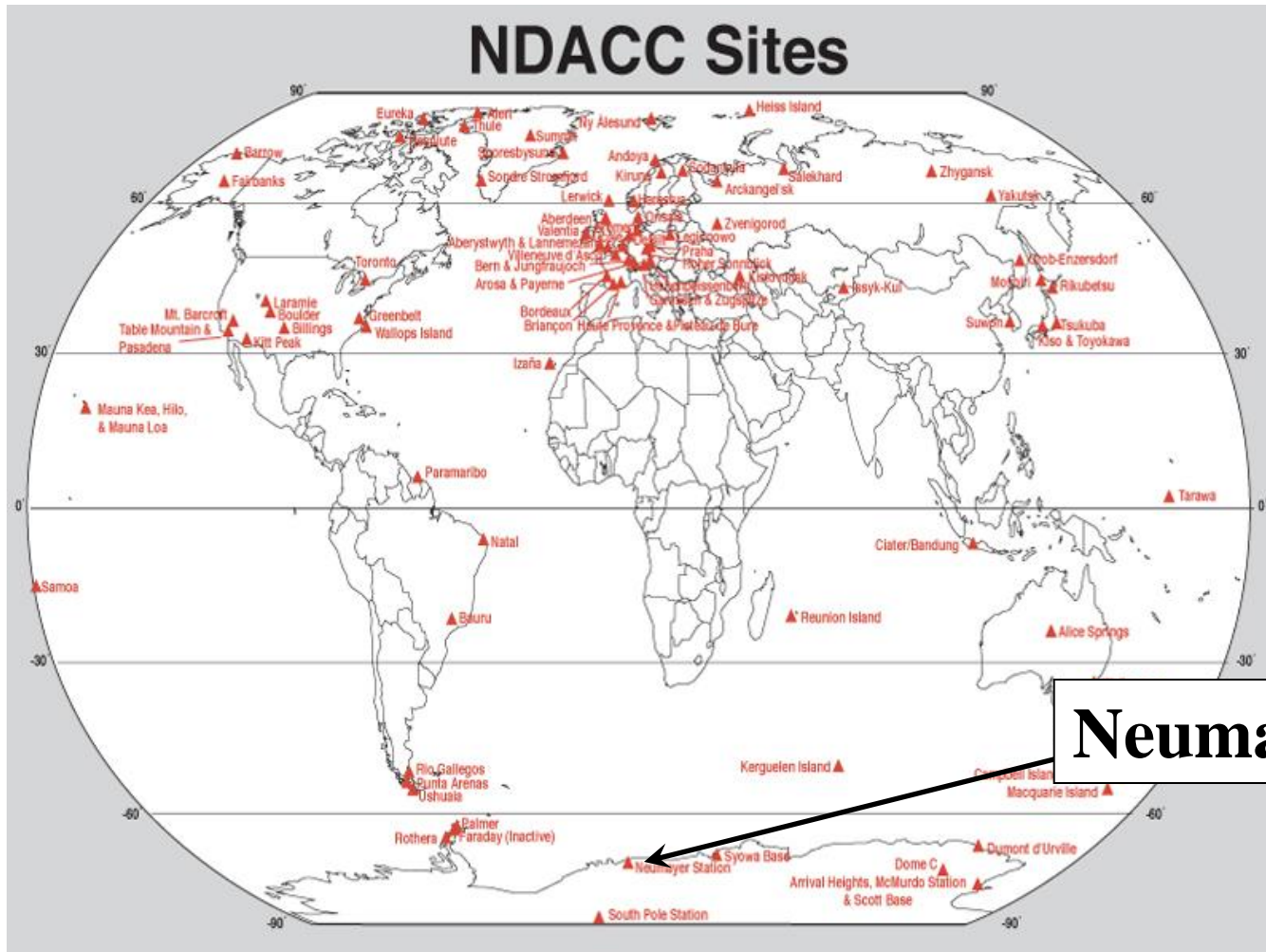


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für Polar- und Meeresforschung

AWI



The NDACC Station **Neumayer**



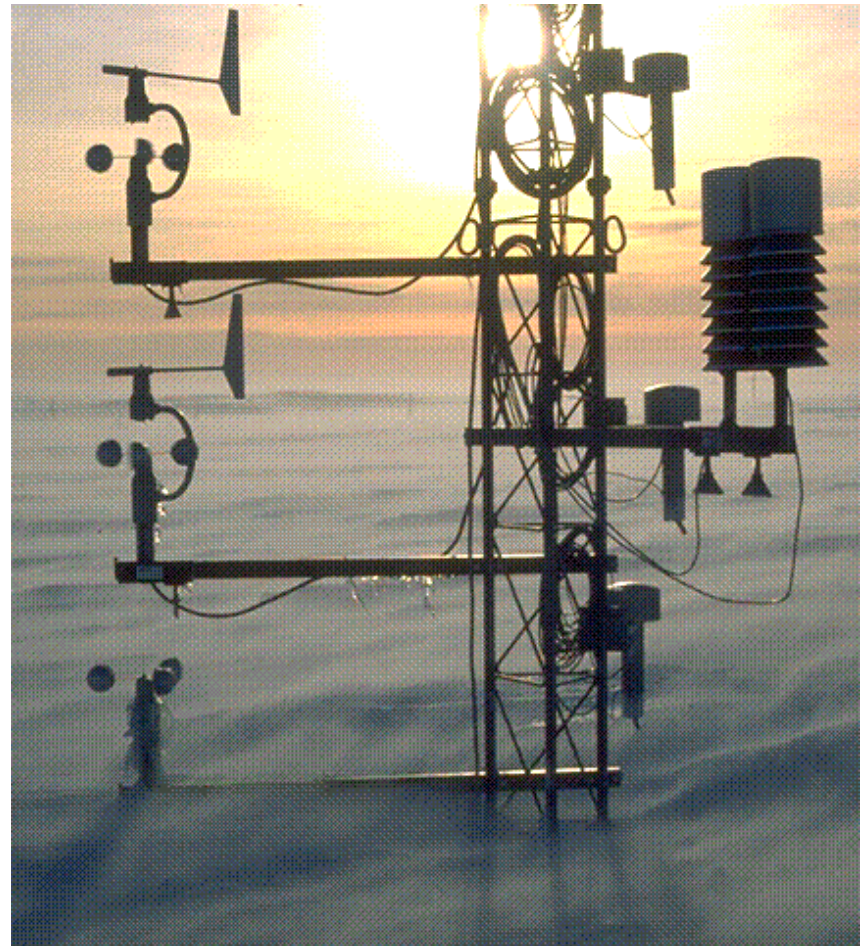
2 NDACC instruments:

- **Ozone sondes**
(*G. König-Langlo, O. Schrems, AWI*)

- **UV/VIS MAX-DOAS spectrograph**
(*U. Platt, U. Friess, Uni Heidelberg*)



1. **Global Telecommunication System (GTS)**
2. **Baseline Surface Radiation Network (BSRN)**
3. **Network for the Detection of Atmospheric Composite Changes (NDACC)**
4. **Global Atmospheric Watch (GAW)**



Met-Tower

Air Temperature,
Wind Direction,
Wind Velocity,
Humidity in 2
and 10 m Height.



Upper Air Sounding

Air Temperature,
Wind Direction,
Wind Velocity,
Humidity,
Ozone till 35 km.



BSRN (Radiation)

Global, Reflex,
Diffuse, Direct, UV,
OG1, RG8, Sunshine,
Downward Long-Wave,
Upward Long-Wave.



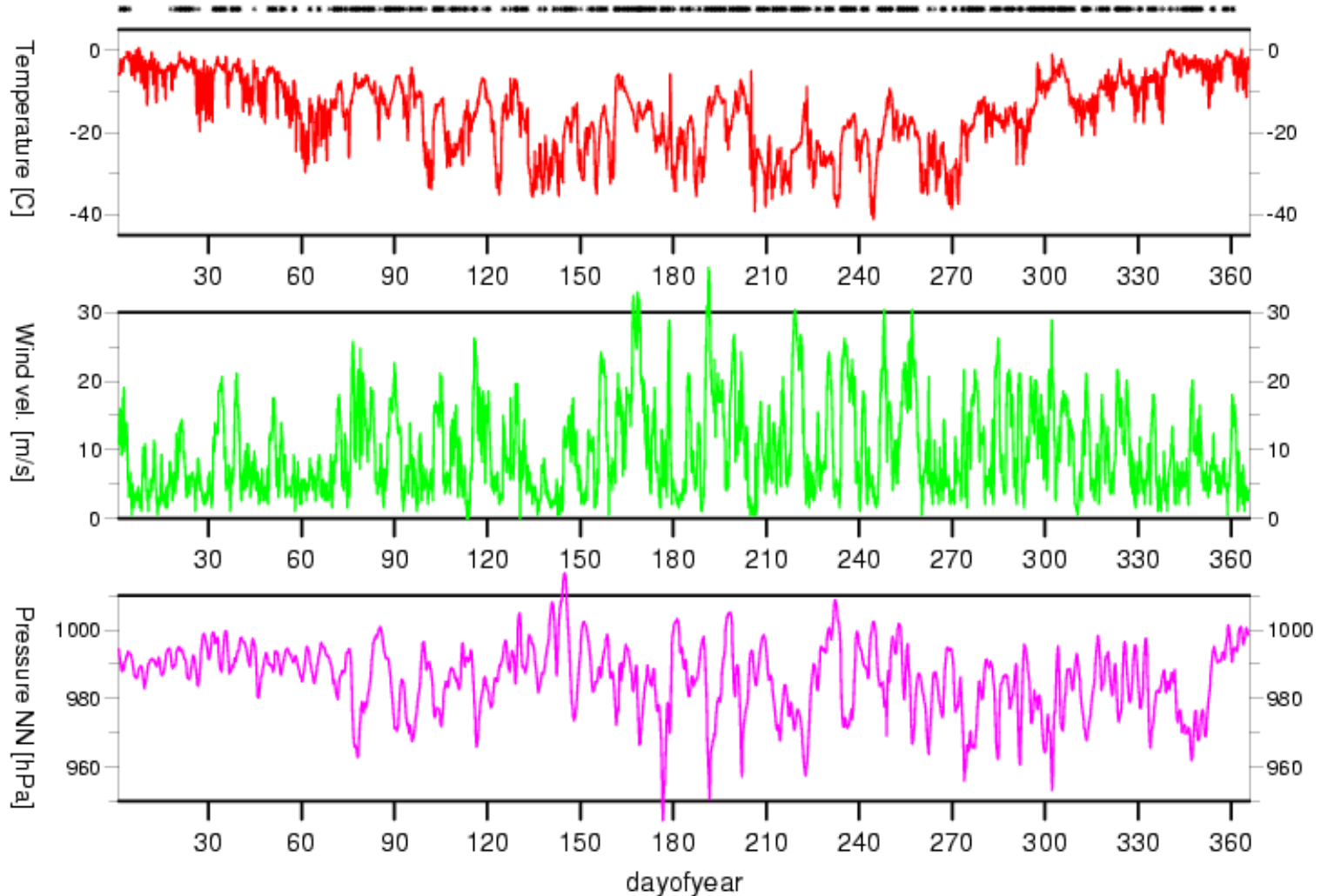
Forecast

Sat-Pics Reception,
Cloud Ceiling,
Visibility,
Online-Data,
Model-Outputs.

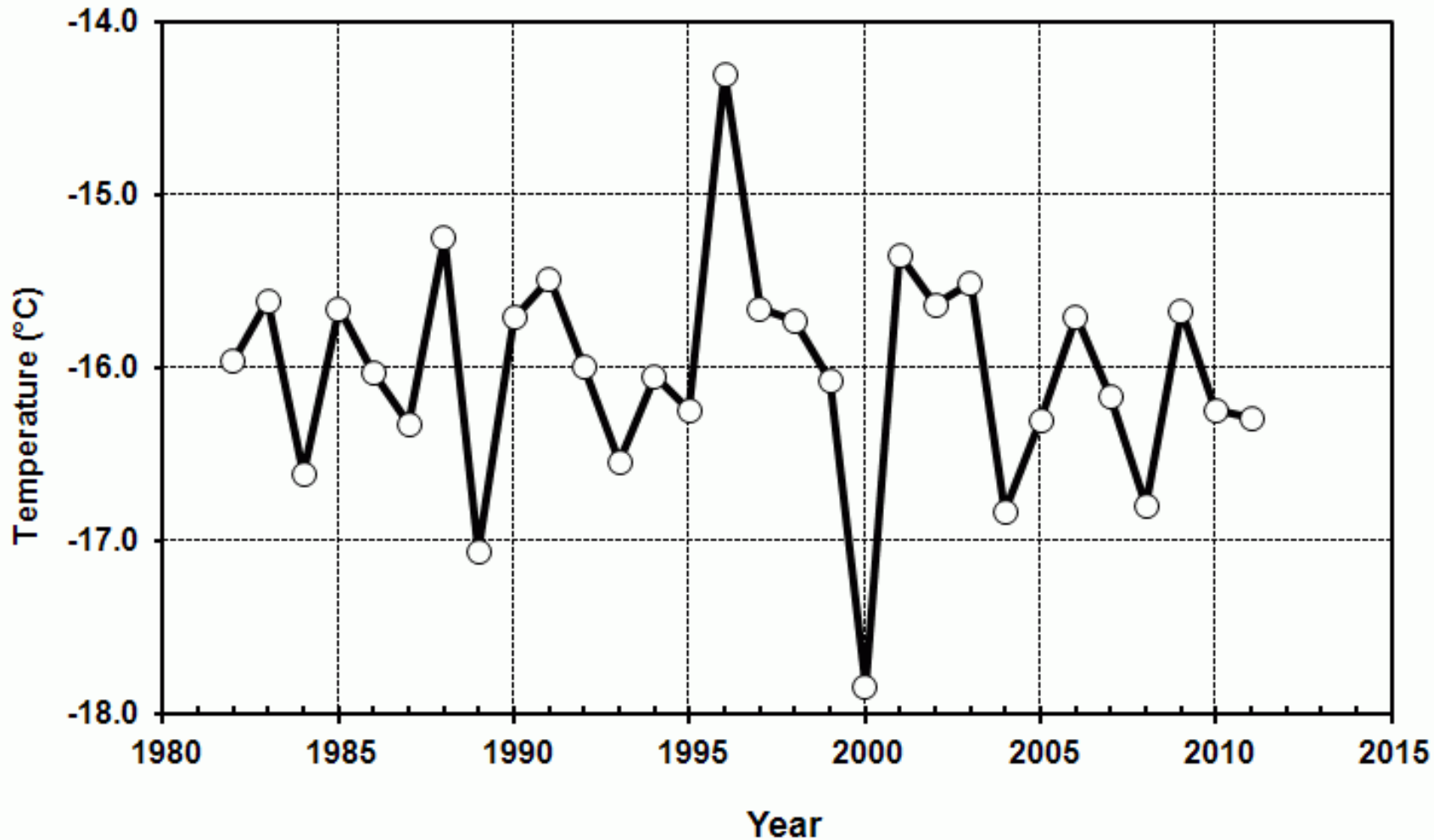


Meteorology Observatory Neumayer

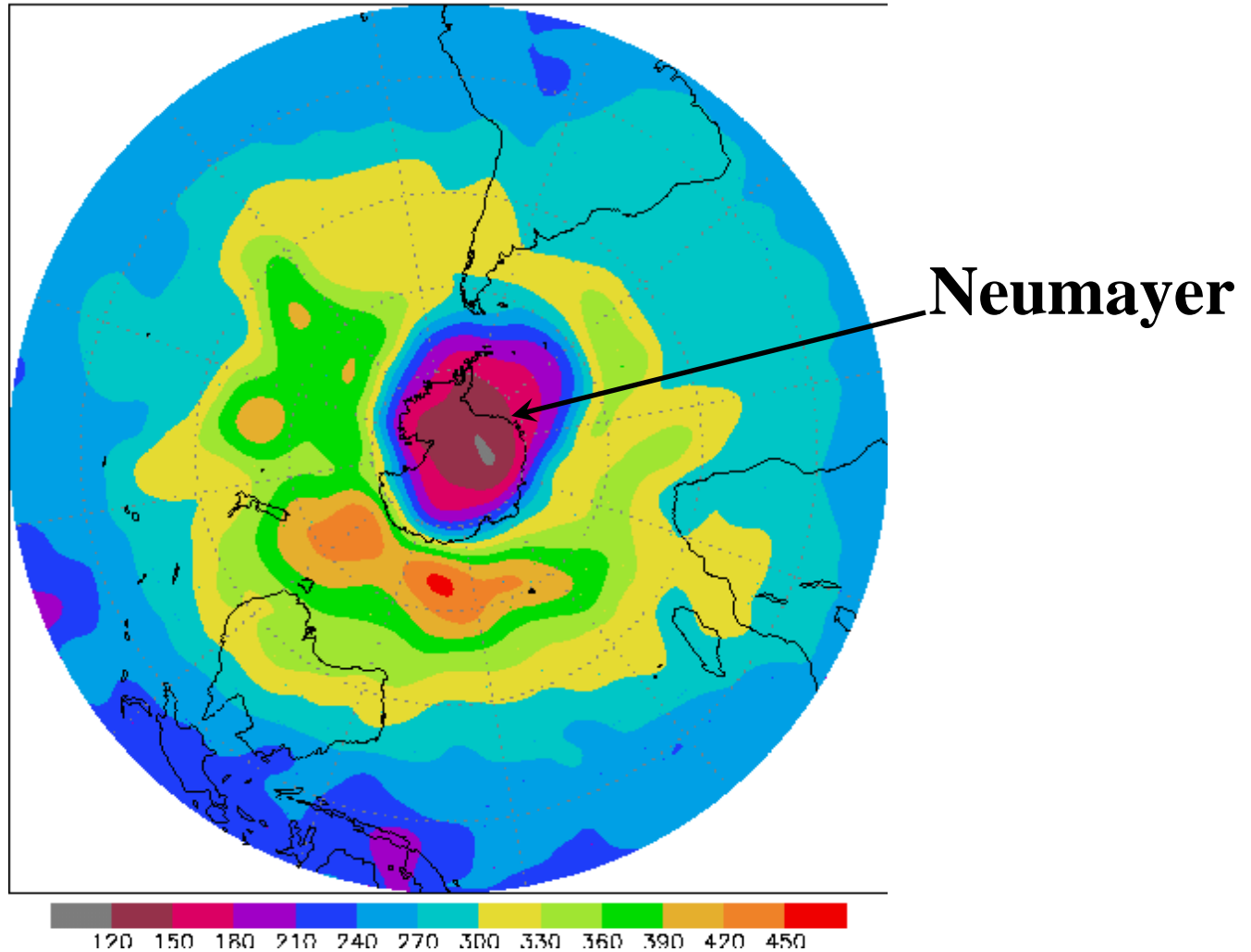
- 1.) 3-Hourly Synoptic Observations.
- 2.) Daily Upper Air Soundings (incl. Ozone).
- 3.) „Baseline Surface Radiation Network“ (BSRN).
- 4.) Forecast-Center Dronning Maud Land.



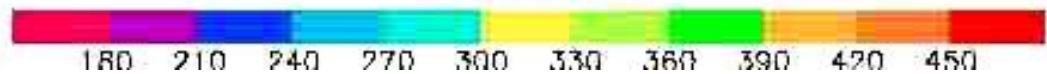
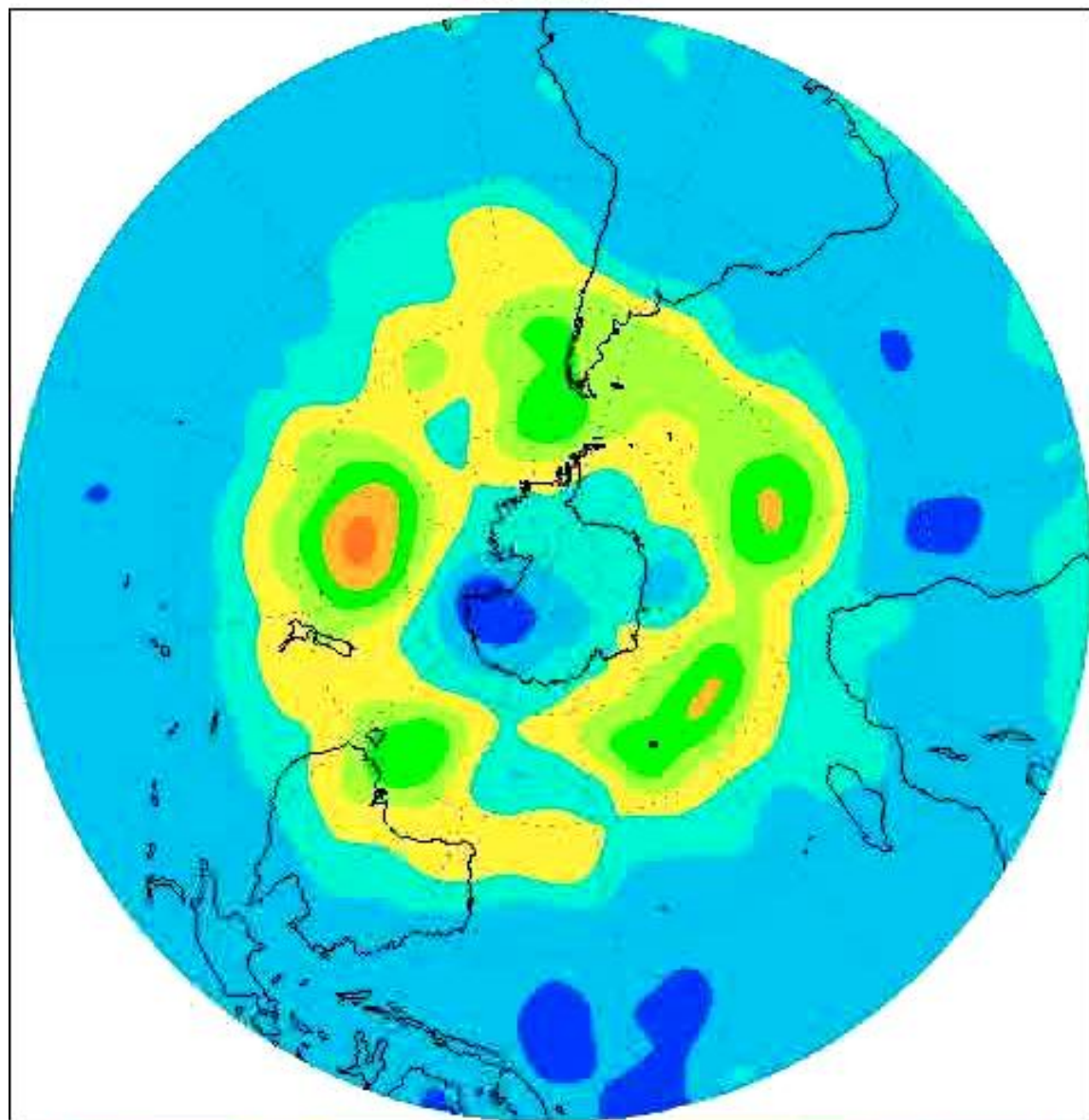
Temperature from Neumayer



Below the „Ozone Hole“



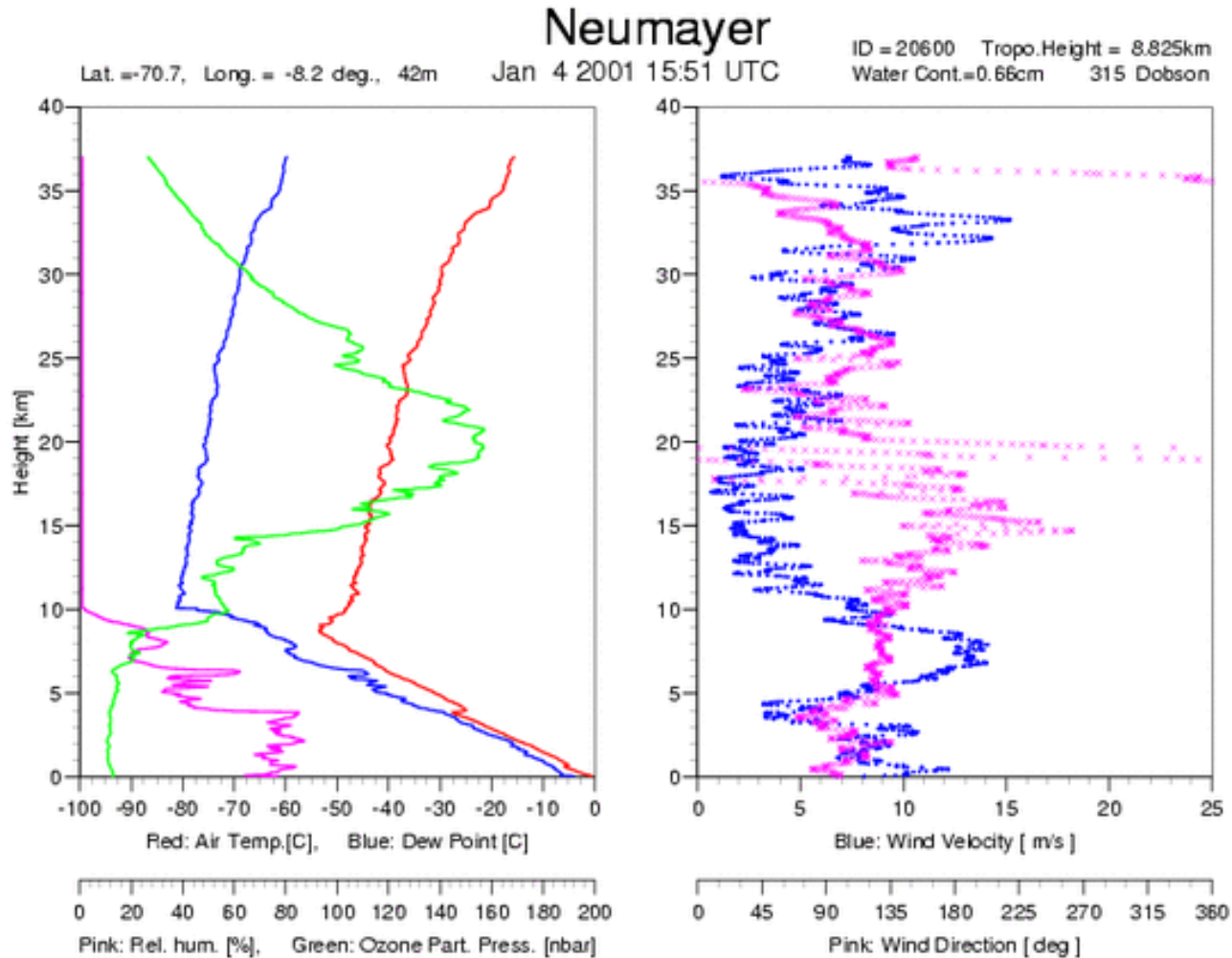
TOVS Total Ozone Analysis
Climate Prediction Center/NCEP/NWS/NOAA
08/01/95



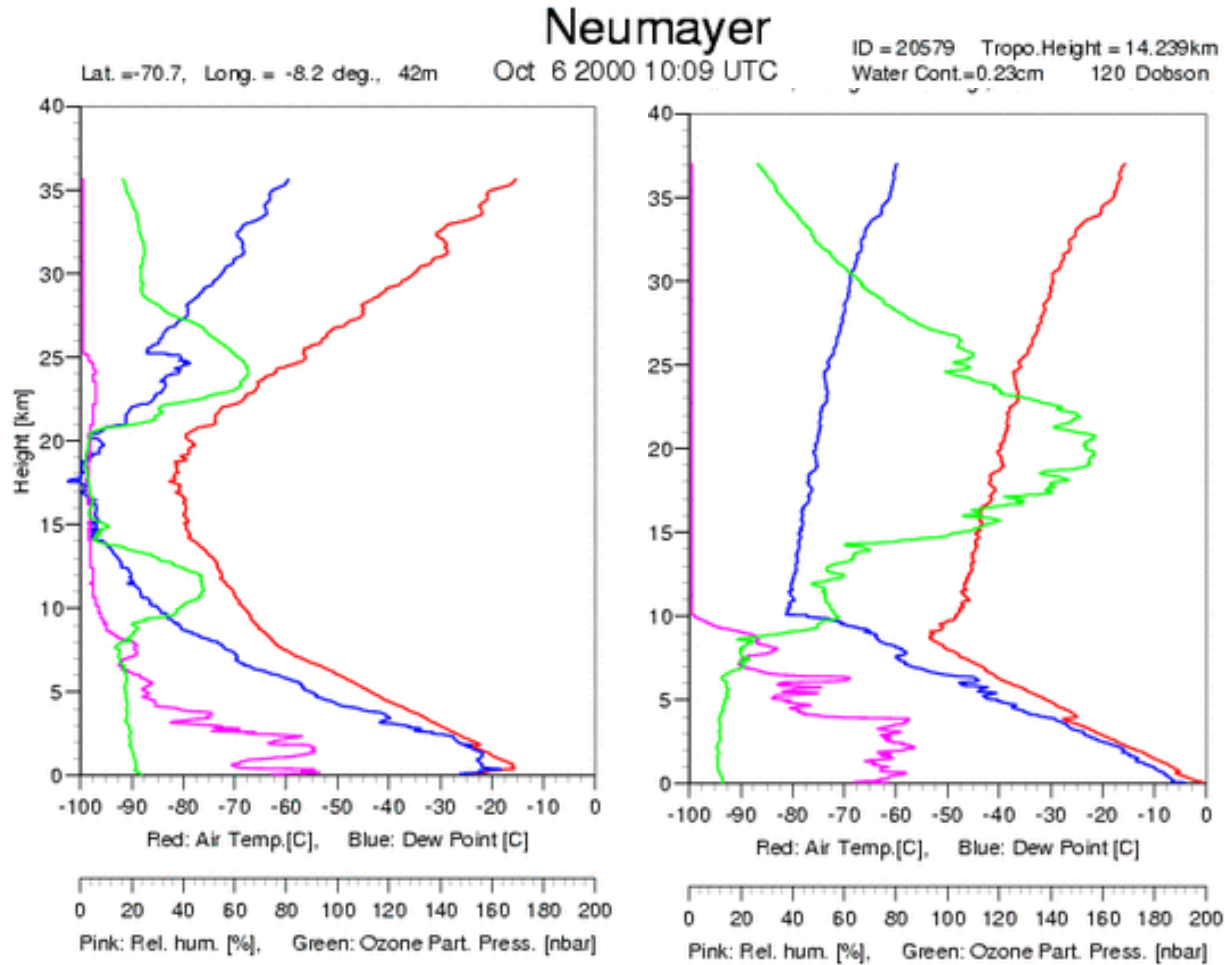
Not Easy...



Summer Profile

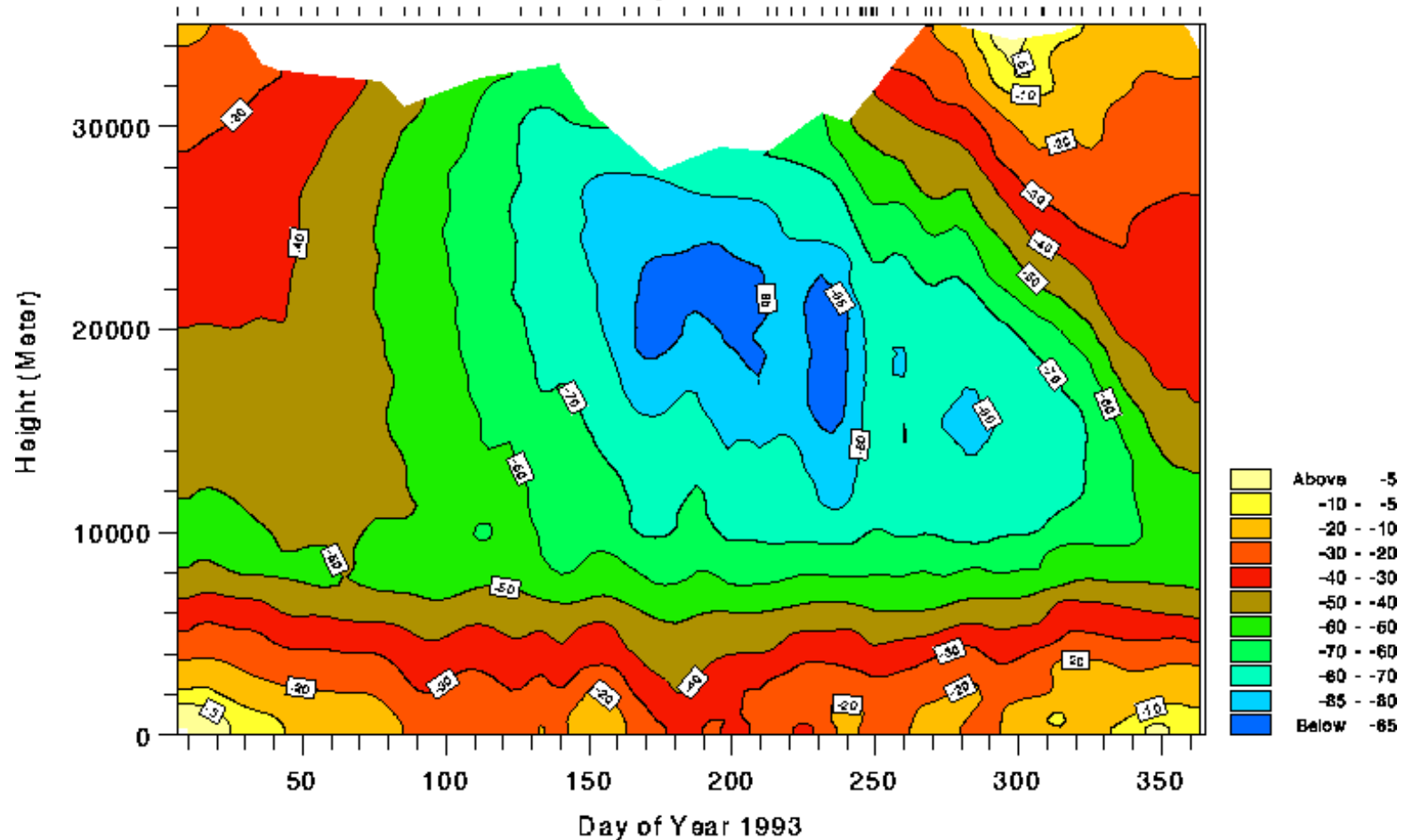


„Ozone Hole“-Profile

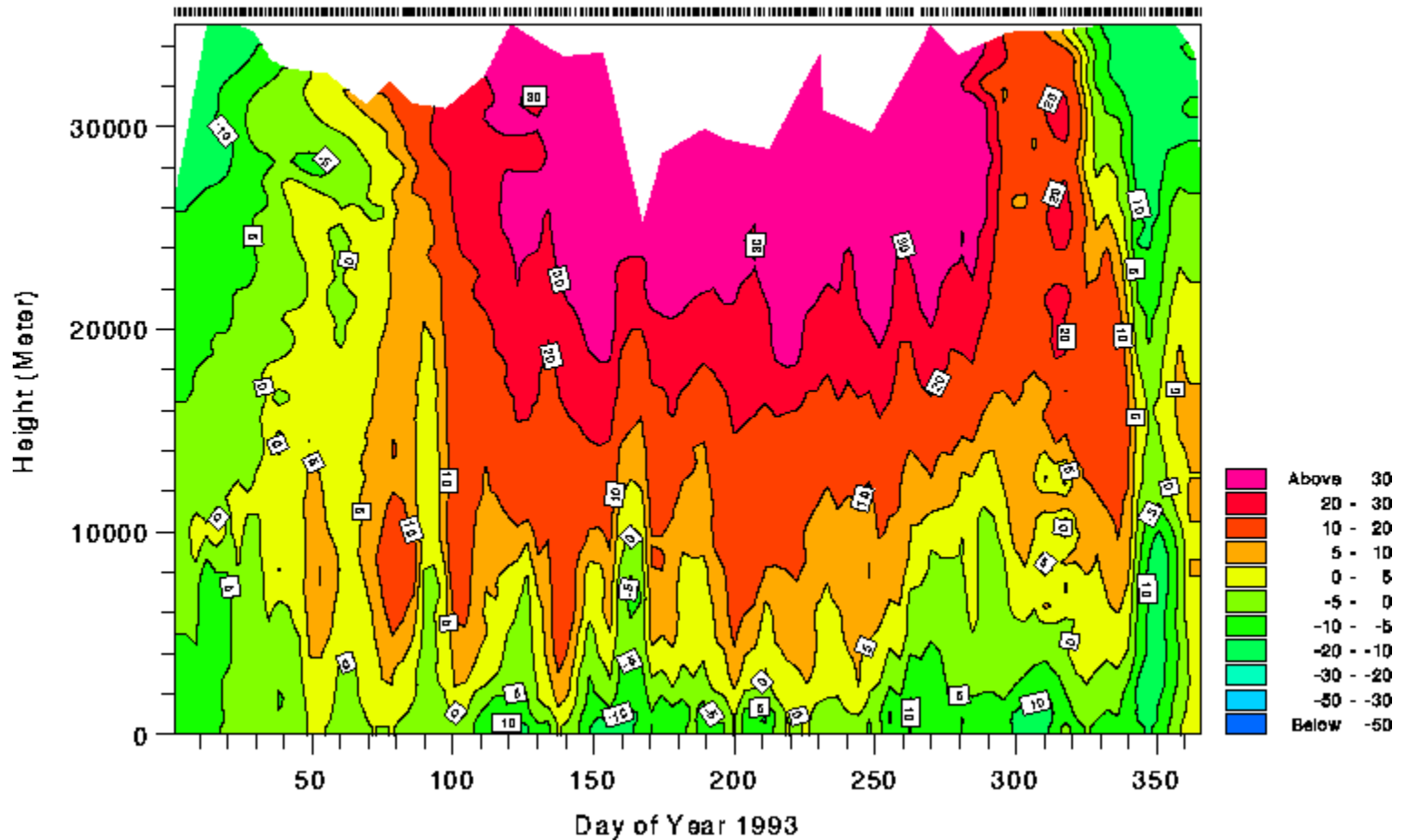


Time-Height Section of the Temperature

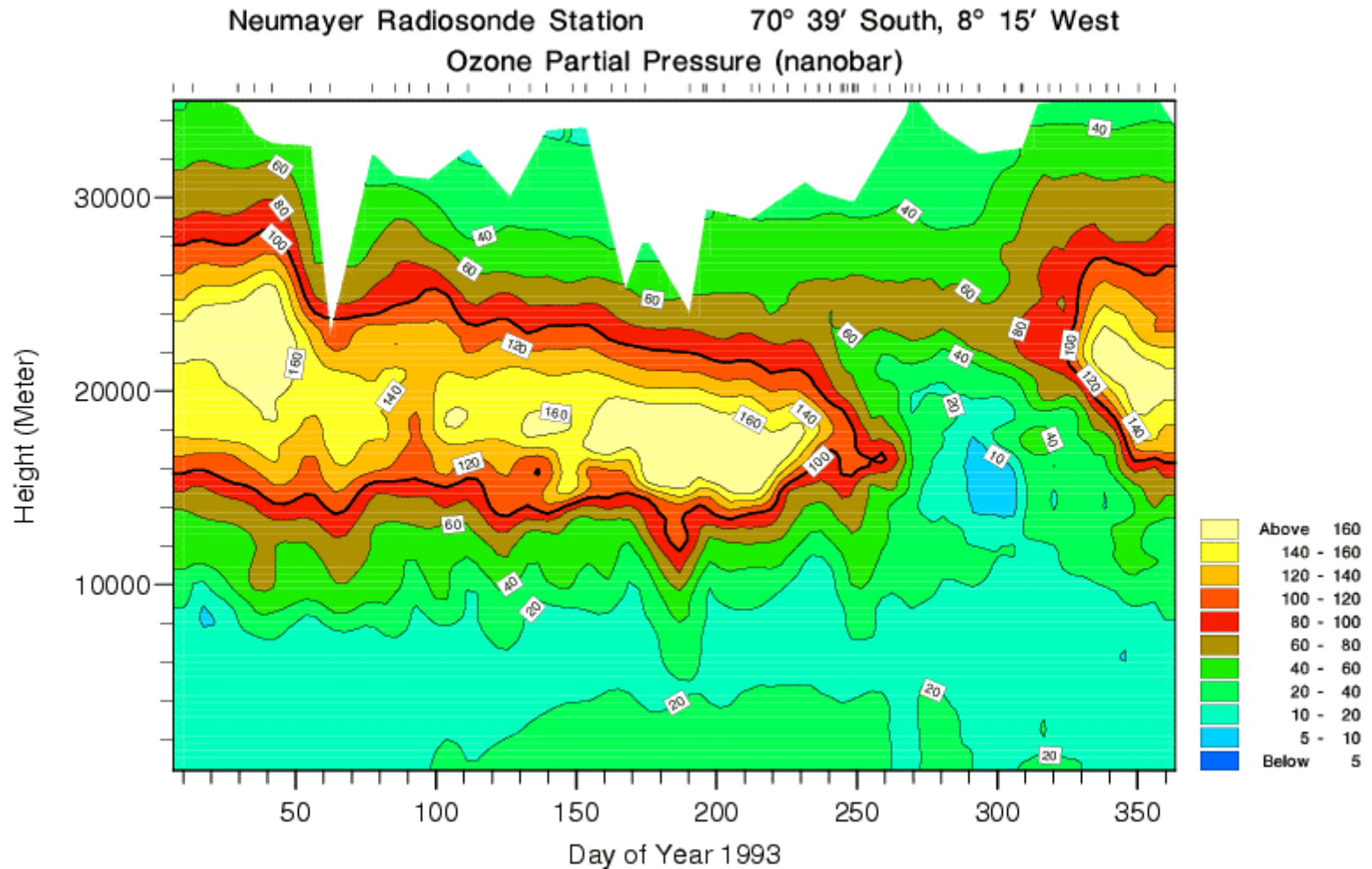
Neumayer Radiosonde Station 70° 39' South, 8° 15' West
Air Temperature (°C)



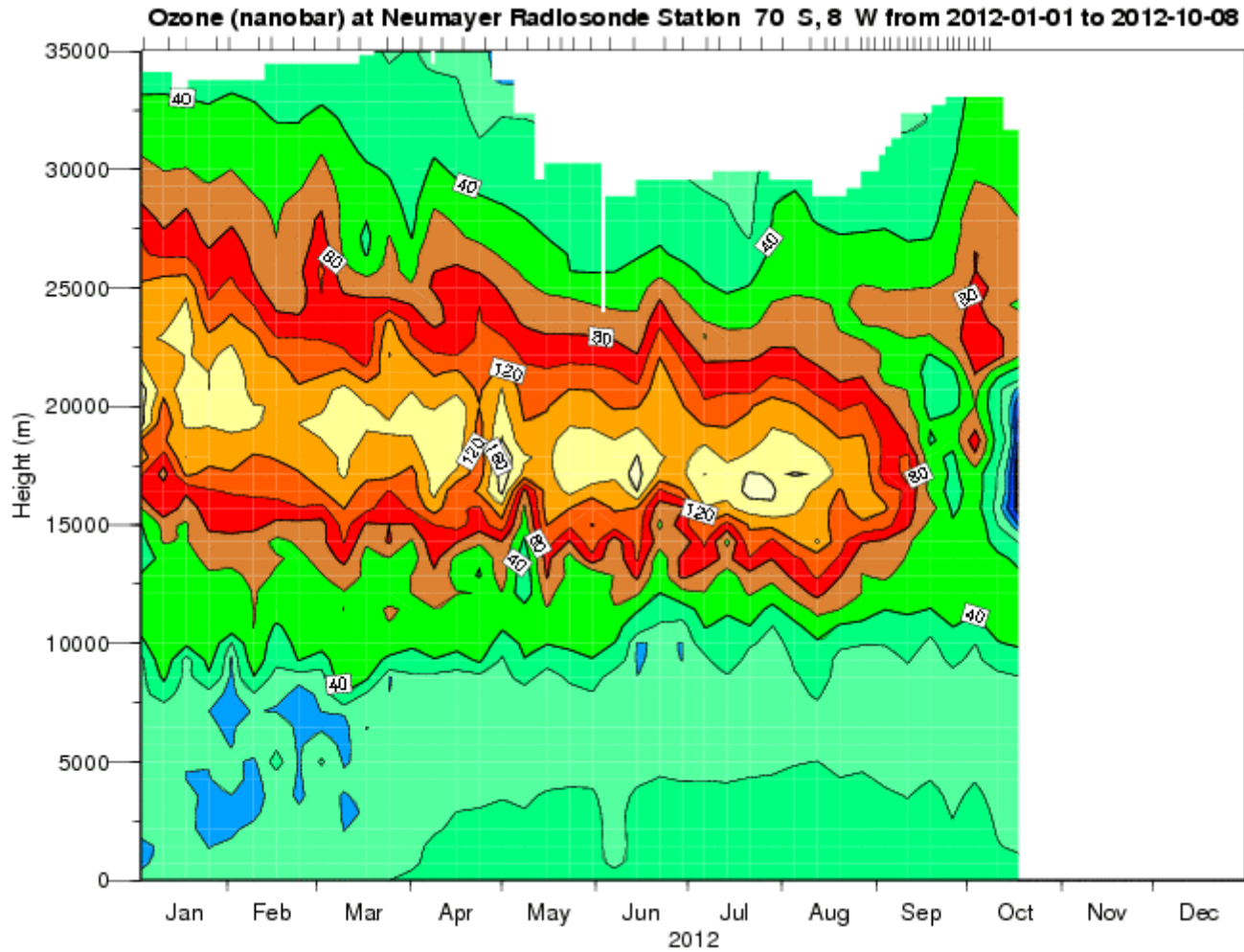
Neumayer Radiosonde Station 70° 39' South, 8° 15' West
 Zonal Wind (m/s) (- = from East, + = from West)



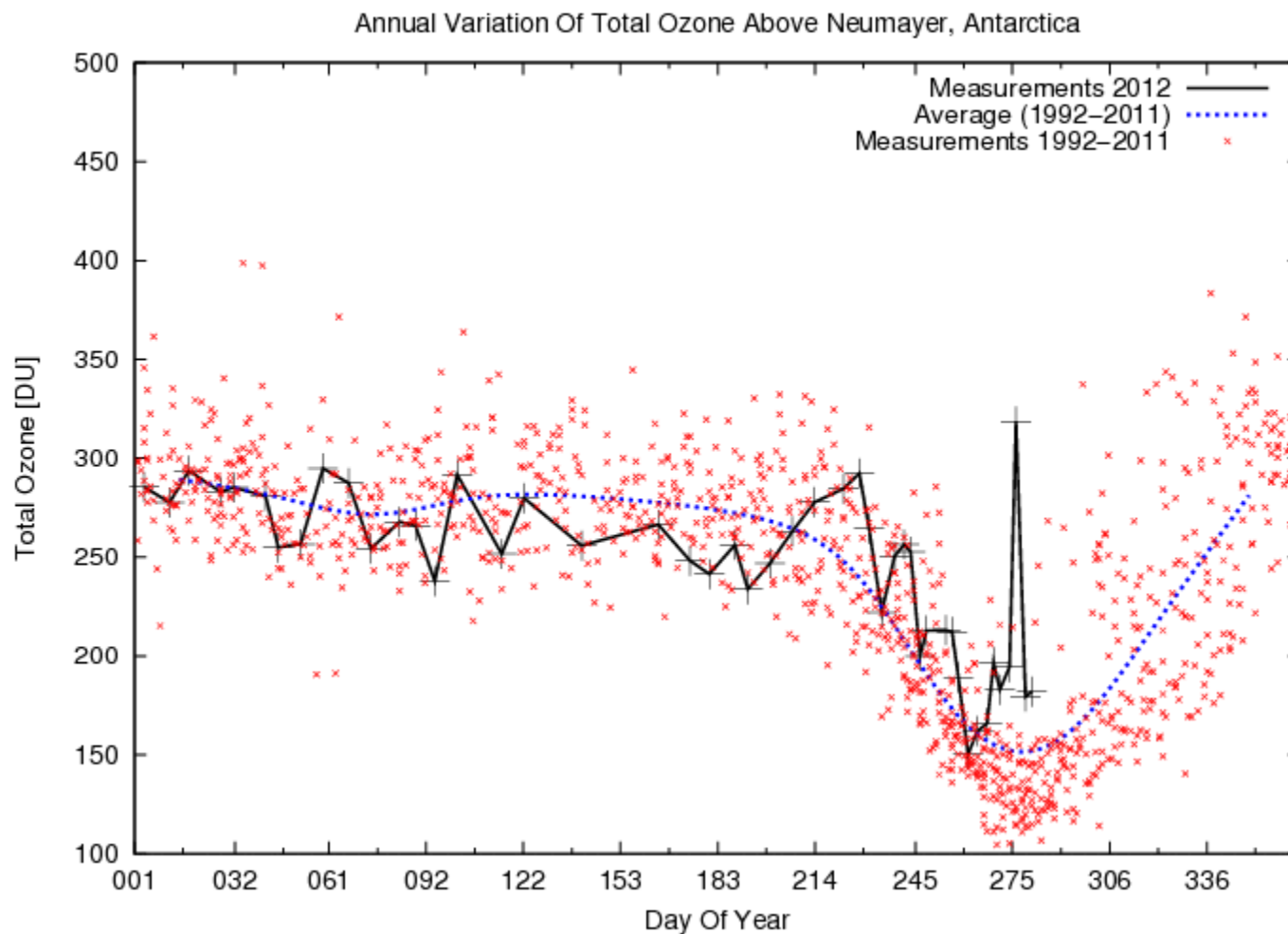
Time-Height Section of the Ozone Partial Pressure



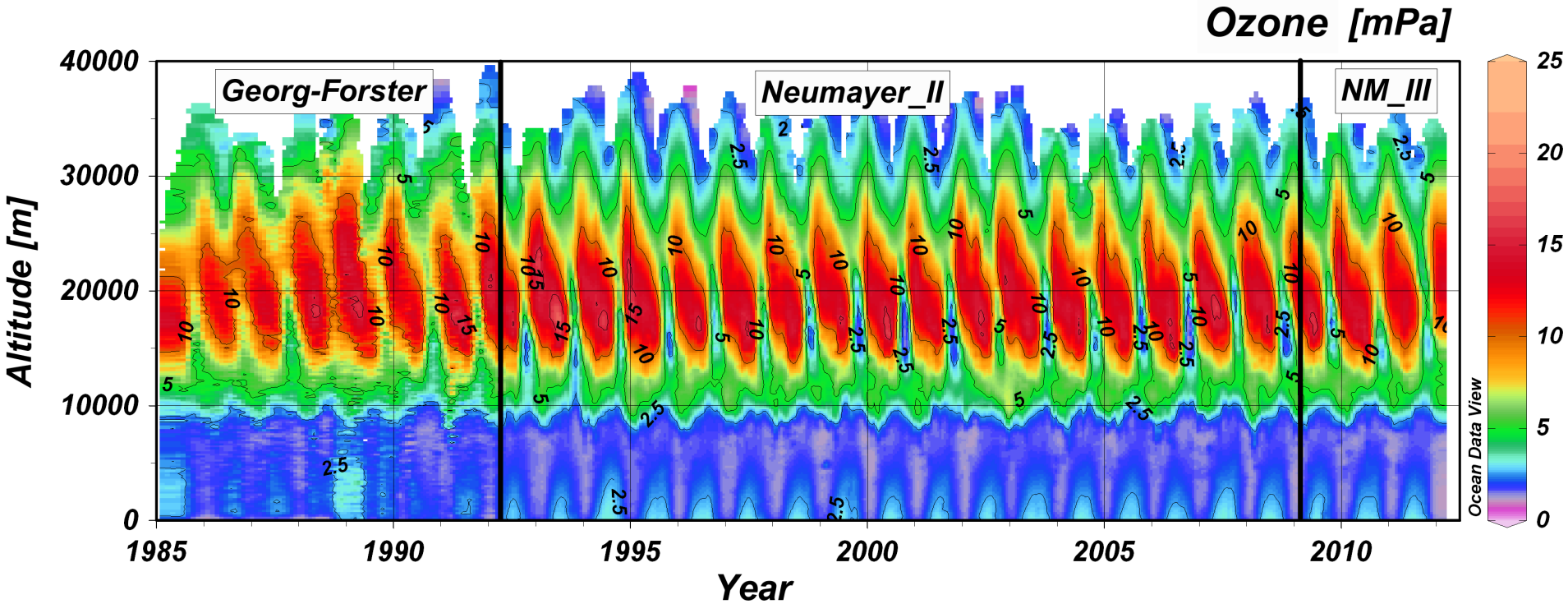
Most Recent Data...



Dobson Statistic

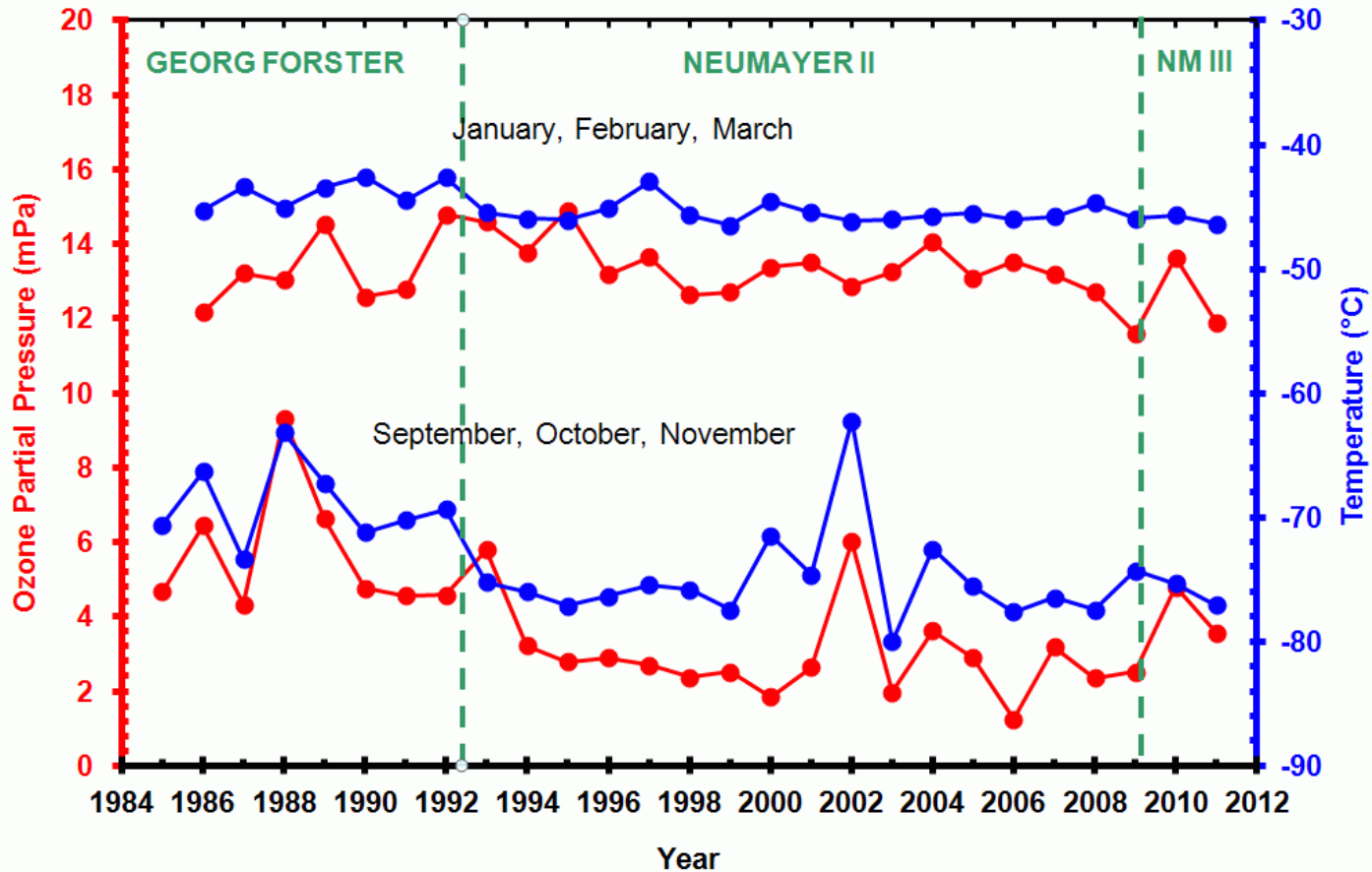


Stratospheric Ozone Depletion



Stratospheric Ozone Depletion

Timeseries of Seasonal Averaged Stratospheric Parameters (at 70hPa)



Nice Weather...



Not so Nice Weather...

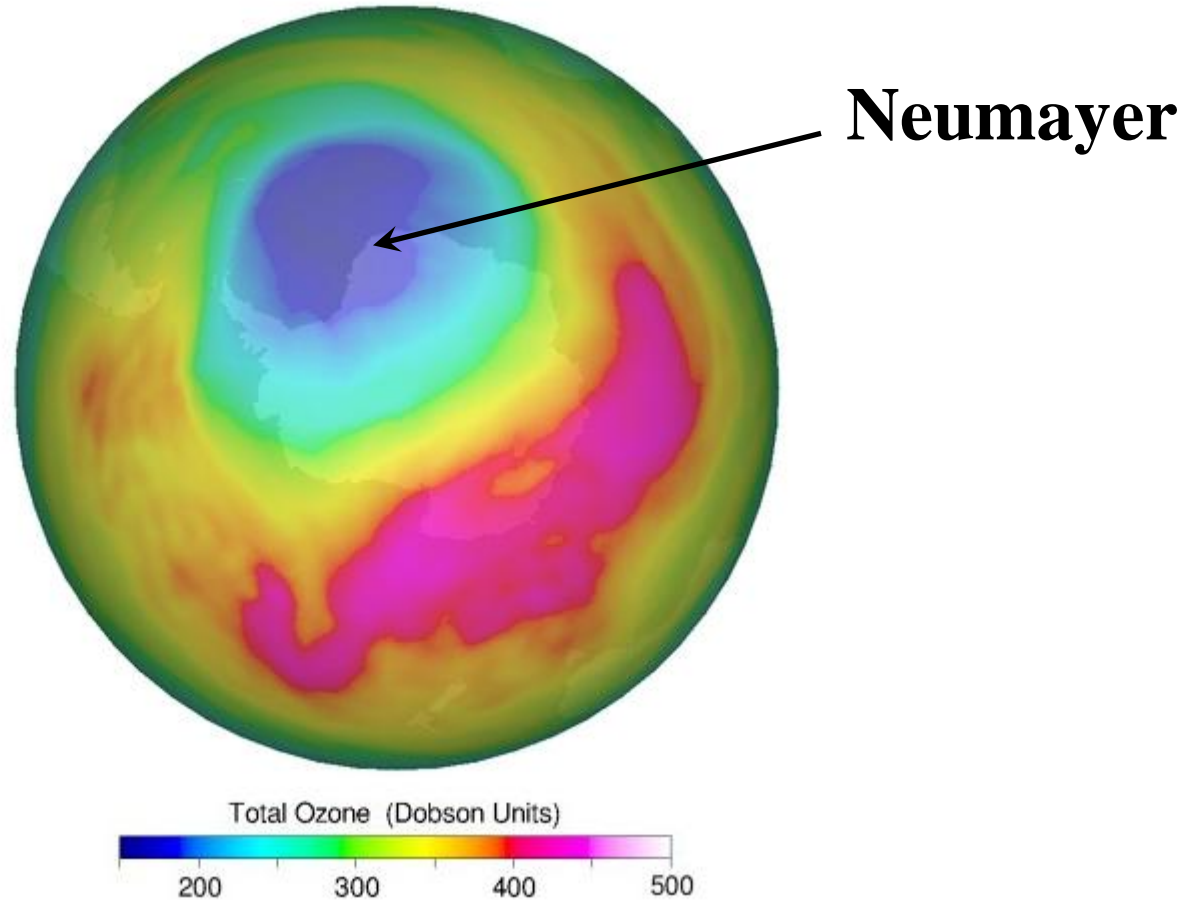


Damages...



Forecast for Today...

Antarctic view at 16 Oct, 2012



Neumayer Team 2012

Thomas Schmidt



Kathrin Höppner



Hello
Geir, many
greetings from
Neumayer