Model Spin-up Prognostics

Total dry volumes for each aerosol mode, and O3 and NOx mixing ratios, through the model spin up period. Midnight is at -2, -1, and 0 days. Roscoff is at 0.5 days. Black, red, blue, green, purple, and grey lines represent dry volume or mixing ratio at heights of 0.5, 8, 60, 250, 650 and 840 metres.

Seasalt aerosol
x 10^−12
Dry Volume [cm^3 cm^−3_air]
7
5
3
−2
−1.5
−1
−0.5
0
0.5
O3
x 10^4
Mixing Ratio [pmol mol^−1]
4
3.5
3
2.5
2
Non−Seasalt aerosol
x 10^−13
Dry Volume [cm^3 cm^−3_air]
11
10
9
8
7
Time [days]
NOx
Mixing Ratio [pmol mol^−1]
10000
100
1
0.01
Time [days]