The graph shows the monthly variations of HNO₃ [ppb] from May to October for two data sets: MLS and SOCOL. The MLS data is at 46 hPa, while the SOCOL data is at 50 hPa.

The x-axis represents the months from May to October, while the y-axis shows the relative HNO₃ concentration to 01 May. The concentration is displayed in ppb.

The graph also includes lines representing different scenarios:
- MLS (solid black line)
- REF (blue line)
- Sn(ice) (red line)
- Sn(NAT, max) (green line)
- ST, n(ice), n(NAT, max) (purple dashed line)

The data indicates a decrease in HNO₃ concentration from May to October, with variances between the different scenarios.