The figure shows the power spectral density (PSD) and the difference between original and derived temperatures for three locations: Lindenberg, Ny-Alesund, and Tateno.

- **Lindenberg**
  - **(a)**: Plot of PSD (km cycle\(^{-1}\))
  - **(b)**: Plot of original–derived temperature difference (%)

- **Ny-Alesund**
  - **(c)**: Plot of PSD (km cycle\(^{-1}\))
  - **(d)**: Plot of original–derived temperature difference (%)

- **Tateno**
  - **(e)**: Plot of PSD (km cycle\(^{-1}\))
  - **(f)**: Plot of original–derived temperature difference (%)

The difference plots show the percentage change between the original and derived temperatures across different wavenumbers (cycle km\(^{-1}\)). The PSD plots represent the spectral density of the temperature fluctuations at various wavenumbers.