

The wind data varies from long-term statistical to 6-hourly, objectively analyzed fields* on grids ranging in size from 80 km x 80 km to 381 km x 381 km. Mixing depth varies from climatological arrays through actual calculated values (from upper air ascents) to fixed values between 1000-1500 metres.

Appendix 5 gives a more detailed description of each of the five selected models and a summary of some preliminary comparisons with measured data.

* Objective analysis routines variously use inverse-square averaging, arithmetic averaging within a grid square, and a 3-dimensional data assimilation scheme that incorporates hydrostatic and height-wind balance routines.