

ASSIMILATION OF GPS RADIOOCCULTATIONS AT DWD

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We describe the status of the assimilation of bending angles from GPS Radiooccultations in the 3D-Var for the global forecast model GME at DWD. Experiments show that the assimilation of GPSRO data leads to a significant reduction of biases in the analyses of temperature, humidity and wind in the upper troposphere and the stratosphere, as well as a better r.m.s. fit in the comparison to radiosondes. The impact on forecasts is quite notable in the northern hemisphere extratropics, where we also see a slightly positive impact on surface pressure.