

## Temporal variations of the gravity field caused by atmospheric redistributions

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We attempt to model the seasonal redistributions of the atmosphere, and estimate their effects on the gravity field, in order to examine later the temporal gravity field, which will be determined accurately by the GRACE mission. Our investigations considered about the interannual variations and about the effects of the higher degrees. For computations, we used surface pressure data from the NCEP/NCAR Reanalysis project's database.