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On the relative role of drift and convection-diffusion effects in the long-term CR variations on the basis of NM and satellite data

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In the first part of paper on the basis of NM data for about 4 solar cycles we investigate hysteresis effects, and separate convection-diffusion and drift modulations in the suggestion that for NM data primary CR energies the diffusion time lag may be neglected. Then we determine the relative role of drift and convection-diffusion effects in the long-term CR variations. In the second part we solve the same problem but for small energy galactic CR on the basis of satellite data; in this case we take into account also the diffusion time lag.

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