

Heliogeomagnetic activity and human health at Spitsbergen

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On the data of incident events and unexpected illnesses of Russian miners at Barentsburg ($\Phi=74.9$) their possible connection to solar and magnetic activity (local magnetic activity and penetrating solar protons) was investigated. It was obtained that the extreme situation events (traumas, unexpected deaths, heart and nervous illnesses) correlate rather well to increase of solar and magnetic activity. During winter time not only enhanced level of activity, but also very low level of it may influence on appearance of extreme situations. The infradian rhythms (with period of about 7 days) observed in variations of extreme situation level seem to be caused by heliogeophysical factors. The results obtained may be used in forecast of extreme situation level increase during helio-geomagnetic disturbances far inside of the geophysical polar cap.