

Analysis of satellite images, convection parameters and convergence



At the beginning of the shift

Analyze the cloudiness, taking into account their evolution, model distribution of convection parameters, convergence and stream lines, and discuss the following questions prior **11.30 UTC**:

1. Where is located most intense convection cell at the beginning of the shift? What synoptic object is it associated with?
2. Where are located zones of the strong convergence of airflows in the lower troposphere?
3. Where is expected the development of the day convection using data of instability in the atmosphere? Can this convection affect the flight route?



During the shift

Track the further development of the situation and compare with the preliminary conclusions on the development of convection on the flight route:

1. Where was most intense convection zone and when it reached maximum development? In what direction this zone has moved in the process of evolution?
2. Will the flight route change due to the development of the convection zone?