

## **Influence of solar activity on total amount of ozone in atmosphere**

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Our study showed that:

1. Solar activity correlates with total amount of ozone. Influence of 11-year solar cycle is clearly observed within the area from 40 North to 40 South.
2. Amount of ozone in stratosphere grows with increase of solar activity. This fact proves that there is a relationship between the ozone concentraion change dynamic and solar activity. The correlation mechanism seems to connect with the change of solar ultraviolet emission level during the cycle of solar activity.