

## High-altitude ELVEs registered on the International Space Station and boundaries of the Earth's lithospheric plates

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***The analysis of the locations of coordinates of high-altitude ring lights (elves) registered on the international space station within the framework of the international program "UV atmosphere" in 2019–2022 has been performed. Most elves are registered in the equatorial region of the Earth, which may be a consequence of the ISS orbit passing through the equator, as well as the presence of a large number of thunderstorms in these areas. The analysis showed that the coordinates of the registered 37 elves are mostly located along the boundaries of the Earth's tectonic plates.***

**Keywords:** high-altitude lightning, elves, international space Station, ISS, Earth's lithospheric plates.

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