Observing noctilucent clouds from Hungary with NLC wakeup application

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Abstract

The bluish noctilucent clouds are observable only during the time of summer solstice. They are most commonly observed at latitudes between 50 and 70 degrees, but there is evidence that corroborates their gradual increase which may be linked with the slow climate change. We summarize the discovery of noctilucent clouds after the eruption of volcano Krakatoa. We also describe their formation and types, then demonstrate the Noctilucent Cloud (NLC) WakeUp Android application developed by us. This tool can help us to calculate automatically the detection windows of noctilucent clouds depending on the date and the solar elevation angle.

