

Abstract

In February 2013, in spectacular light and sound accompaniment a meteorite hit the Russian Federation. Small fragment which landed in populated areas caused together with blast wave damage. The largest part broke the ice crust on the lake in outskirts of Chebarkul. The circular shaped hole gave rise to various conspiracy theories. About half of the year after impact the meteorite was lifted and conspiracy theories broken. The event immediately raised interest in the issue of the impacts of meteorites and phenomena associated with them. Processes when the meteor is passing through atmosphere, impact craters, their origin and characteristics, computer models, types of meteorites and their origin. Or just a mystery of the hole in the ice crust of the lake Chebarkul. Science has got answers for such topics. This paper is just trying to summarize them.