

The meteorite explosions in the sky of the Earth have more destructive power than the atomic bomb

On February 15, 2013, an asteroid the size equivalent to a whale shark (18.8 m), but the energy source that produces approximately 500,000 tons of TNT.

Meteors are extraterrestrial objects that enter the Earth's atmosphere. When in the atmosphere of the Earth they are called sandstone.

1. The giant meteorite weighing 40 million tons caused a disaster equivalent to 65,000 atomic bombs about to crash into Earth?
2. Will the Earth be affected if the comet once destroyed the dinosaurs hitting the Sun?
3. NASA takes advantage of the large meteorite that is heading to Earth to test its ability to handle threats from the universe

When outside the Earth's atmosphere, meteorites will not glow because it is a vacuum. When we reach the surface of the Earth, the meteorite heats up due to friction with air resistance so we will see its tail like a meteor.



Meteors moving at high speed should bring extremely high energy when colliding. Depending on the size, the meteorite may explode when hitting the Earth's surface or in the air.

Normally, meteorites with a diameter of only a few meters to less than 1km will explode in the air. Although the size is not large, their danger is no different from an atomic bomb because they have tremendous kinetic energy. And meteorites too small will be "dissolved" before reaching the ground.

3 meteorites exploded in the sky of China Mid-Autumn night.(Source: Youtube / Scinews.)

In the case of 3 meteorites exploding in the sky of China on mid-autumn, these meteorites have a traveling speed of 14.6 km / s, bringing the equivalent energy of 540 tons of TNT. Fortunately, they exploded 37km from the ground, so there was no significant loss of life and property.

This is not the first time in the history of such a meteorite explosion "right above the head". Here are the most remarkable meteor explosions.

Meteorite 2008 TC3

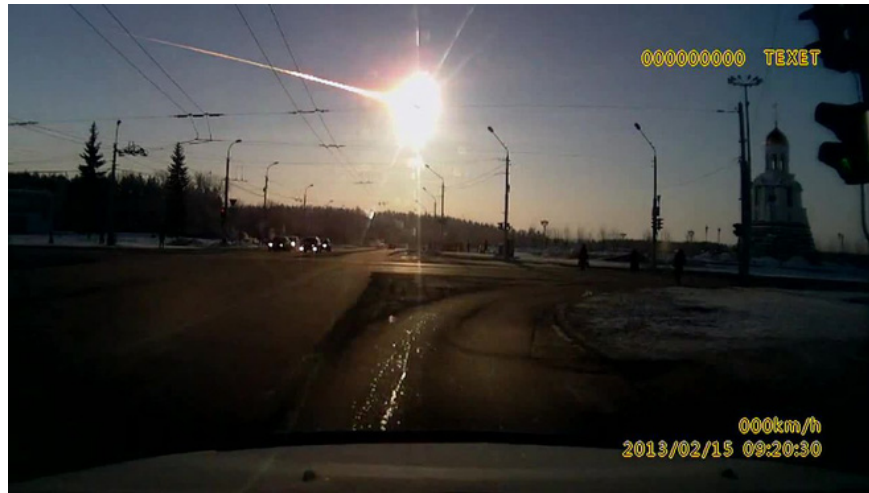


2008 TC3 meteorite exploded in the sky.(Photo of ASIMA - SETI Institute.)

On October 7, 2008, meteorite 2008 TC3 (code 8TA9D69) has a diameter of 2m to 5m, moving at a speed of 13km / s and entering North Sudan airspace. This is the first meteor that humans observe and follow before it reaches Earth.

2008 TC3 exploded at a height of 10km above the ground, but its energy generated about 1,000 tons of TNT, which is even worse than in China. A huge fireball was created after the explosion, one could observe it even 1,000 km away from the explosion location!

Exploding meteorites in Chelyabinsk, Russia



Chelyabinsk explosion, Russia.(Photo Wikipedia.)

On February 15, 2013, an asteroid the size equivalent to a whale shark (18.8 m), but the energy source that produces approximately 500,000 tons of TNT. Therefore, although it exploded at an altitude of 43 km, it caused great damage in 5 areas of Russia, more than 3,000 houses were damaged, more than 1,200 were injured.

This is the biggest explosion in 100 years. According to calculations by researchers from the Czech Academy of Sciences and the University of Western Ontario, Canada, the destruction was 30 times more destructive than the atomic bomb that the US dropped on Hiroshima, Japan near the end of the war. II.

The explosion at Tunguska



The explosion at Tunguska.(Pinterest photos.)

The shocking event at Tunguska took place on June 30, 1908. A meteorite moves into the Earth's atmosphere at speeds of up to 50,000 km / h and is burned up to 24,704 degrees Celsius (4 times more than the temperature of the core of the Earth 6,000 degrees C).

The explosion occurred "right above the head" of people with an altitude of only 8.5 km and had the power of equivalent to 10 to 15 million tons of TNT (600 to 900 times the atomic bomb dropped on Hiroshima). This is the closest high altitude explosion in history. 80 million trees and animals in the area of more than 2,000 km² are cleaned.

After the Tunguska event, the Earth suffered nearly 60 small and large meteorite explosions. Although we have tried to monitor and observe potential dangers in space, so far have not found a way to prevent these "monsters"!

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