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Lunar crash to create a 10 kilometer plume of dust

By [Physics Today](#) on October 5, 2009 11:45 AM | [1 Comment](#) | [No TrackBacks](#)

[London Times Online](#): The [Lunar Crater Observation and Sensing Satellite](#) (LCROSS) will blast two huge chunks out of the lunar surface on Friday in order to have a closer look at what the Moon is made of.

The plume will be created by dropping the Centaur upper stage of the rocket that fired LCROSS to lunar orbit onto the surface near one of the lunar poles.

When the 2.4-tonne Centaur hits the ground, it will be traveling at 2.5km per second, and throw up a plume of debris 10km high that can be analyzed by instruments on the LCROSS spacecraft.

Categories: [NASA](#), [Planetary and Geophysics](#)

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1 Comment

Robert Smiley | [October 6, 2009 12:23 PM](#) | [Reply](#)

The Moon belongs to all of humanity and should not be experimented with on this type of scale.

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