NASA'S LUNAR CRATER OBSERVATION AND SENSING SATELLITE (LCROSS) IS PULLING A CENTAMR ROCKET SET TO COLLIDE WITH THE MOON TO TRY AND LOCATE HINTS OF LUNAR ICE; THIS ROCKET, HOWEVER, IS LINED WITH ICICLES COLLECTED FROM HUMID PRE-LAUNCH AIR AND FROZEN DYRING LAUNCH, ICICLES WHICH NEED TO BE MELTED BEFORE IMPACT SO AS TO NOT "POLLUTE" FINDINGS WITH TRACES OF EARTH WATER.

The Centaur rocket is lined with form designed to keep its propollant fuel tanks chilled. While sitting on the launch pad at Cape Canaveral, the form absorbed significant amounts of water from the humid Florida air. Because of the orientation of LCROSS' solar panels, one side of the rocket in tow perpetually faces away from the sun, Making it impossible for the ice to melt.

thus, scientists are steering the pair through a series of "cold side bakeouts", Maneyvers which rotate the cold side temporarily towards the sun. However, even the tiny molecules of melted water coming off the racket can impart their exit velocity and throw the craft slightly off course - a serious problem given the precision target points scientists must choose between for their lunar collision.

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