



# Crater Slopes: The Power of a Repeat Image

ESP\_O37125\_1315



Why does HiRISE take so many repeat images of the same area? Repeat coverage actually serves a special purpose, such as detecting seasonal changes (frost deposition and sublimation) and temporal changes (dust devil tracks and avalanches.) These repeat images also give us a "sneak peek" of future pictures to determine any differences. Such is the case for this observation which we took on June 2014, and covers a small 1-kilometer sized simple crater located in the Southern hemisphere. In this composite and enhanced image, the crater shows frost on all its south-facing slopes