## On erosion associated with the formation of the rampart crater

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Rampart craters are peculiar objects on Mars, which indicate existence of the subsurface volatile. The basic construct of this crater is composed of the inner lobe and outer robe. Here in this poster, we report volumetric analysis of the units of the inner lobe, outer robe and rampart for selected fresh craters ranging 6km to 35km in diameter. The obtained results show that the flow associated with the formation of the outer robe has a strong power in the sense that it excavated the area outside of the inner robe. We propose in the poster the model which may explain this high erosional power.