



Figure 13. An illustration showing the appearance of impact craters at different latitudes within the study region. (a) A crater in southern Acidalia Planitia or Chryse Planitia. (b) A crater in central or northern Acidalia Planitia.

evolved lavas exists on small spatial scales [Christensen *et al.*, 2001], the lack of widespread andesitic deposits in this region supports the theory that magmatic differentiation was likely an extremely limited and local phenomenon [McSween *et al.*, 2009].

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