Cryovolcanism on Pluto?

- New Horizons observed two broad mountains with large central depressions on Pluto’s icy surface (left top and left bottom).
- At ~100 miles wide, and 2.5 miles high, these mountains are built up relative to the average surface level (see figure below).
- The lack of impact craters on these mountain features indicates a geologically young surface.
- The mechanics of how this icy volcanism would operate are still being investigated, but material appears to have piled up, multiple times, in these locations in the geologically recent past.

**Right:** Perspective view of a possible icy volcano (2x vertical exaggeration). This color image represents elevation data, where red is high and purple is low.