



Fig. 1. (Top two rows) Crater size-frequency measurements in incremental (top row) and cumulative (second row) plots on terrains related to Argyre, Isidis, and Hellas (third row), which result in Early-to-Mid-Noachian ages. These basins have ~3–5× the crater density superposed on valley networks, which in aggregate have a frequency near the Noachian/Hesperian boundary, valley network formation mostly terminated in the Early Hesperian. The bottom row shows examples of valleys superposed on each of these major, young impact basins.