



Hubble's 25th Anniversary: Hubble's Views of Star and Cluster Formation

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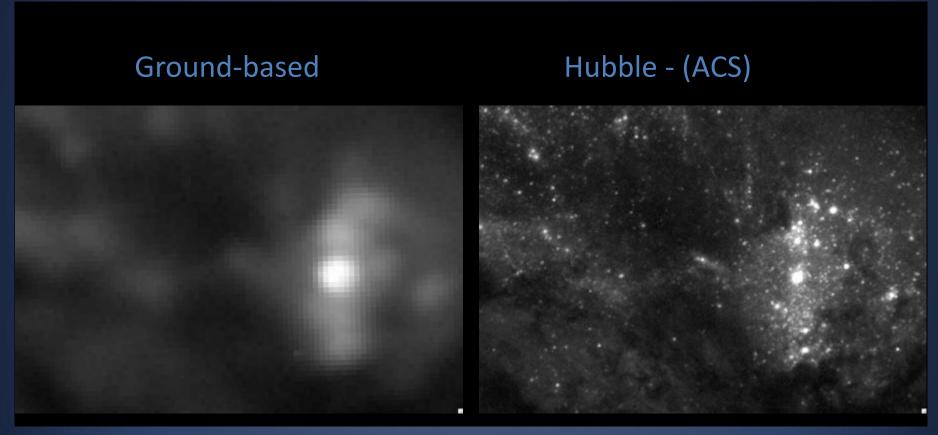
ADDITIONAL SLIDE – WHY HUBBLE vs. GROUND-BASED TELESCOPE?





Question - Why does it take HST to make these discoveries?

Answer - Spatial resolution!





Here is a comparison of a star cluster in the Antennae Galaxies observed from the ground and from space with Hubble's Advanced Camera for Surveys (ACS). Hubble's position above the blurring effects of the atmosphere and its exquisite pointing provides very fine spatial resolution (or the ability to see small details on the sky) – thus, astronomers can discern the stellar population that makes up the star cluster.