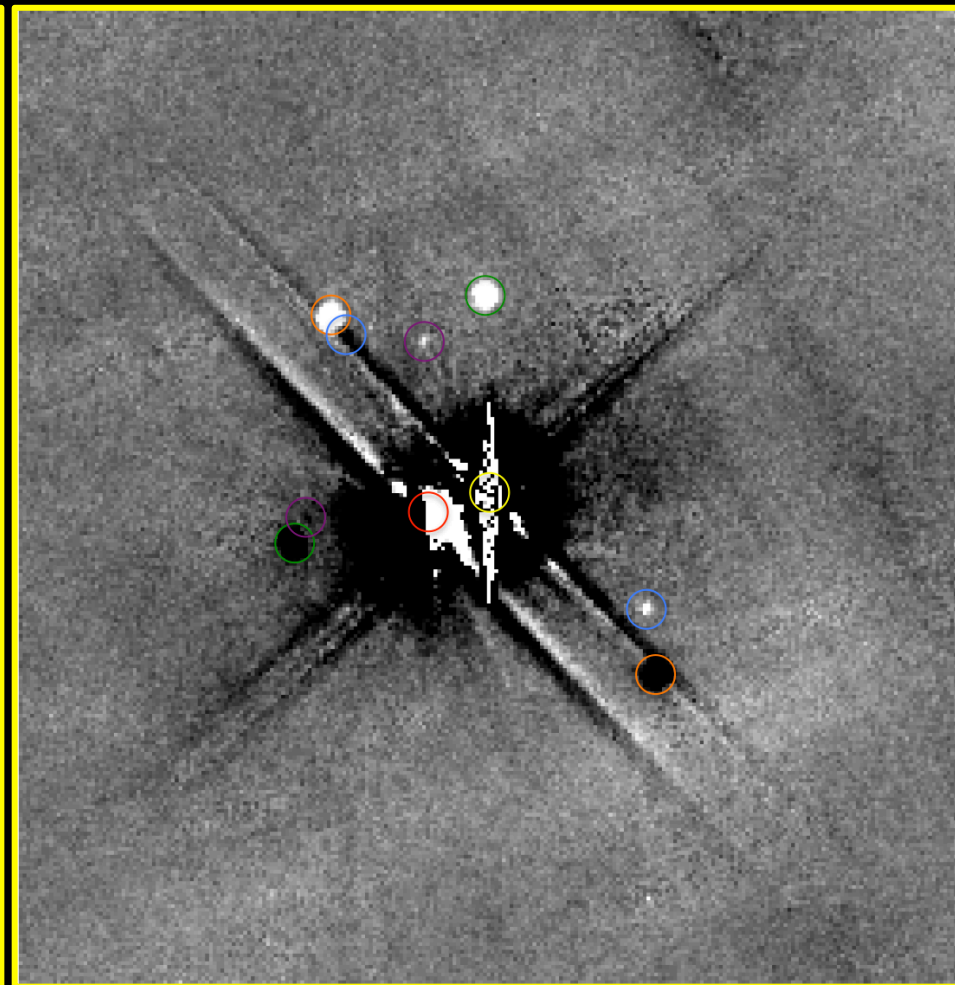
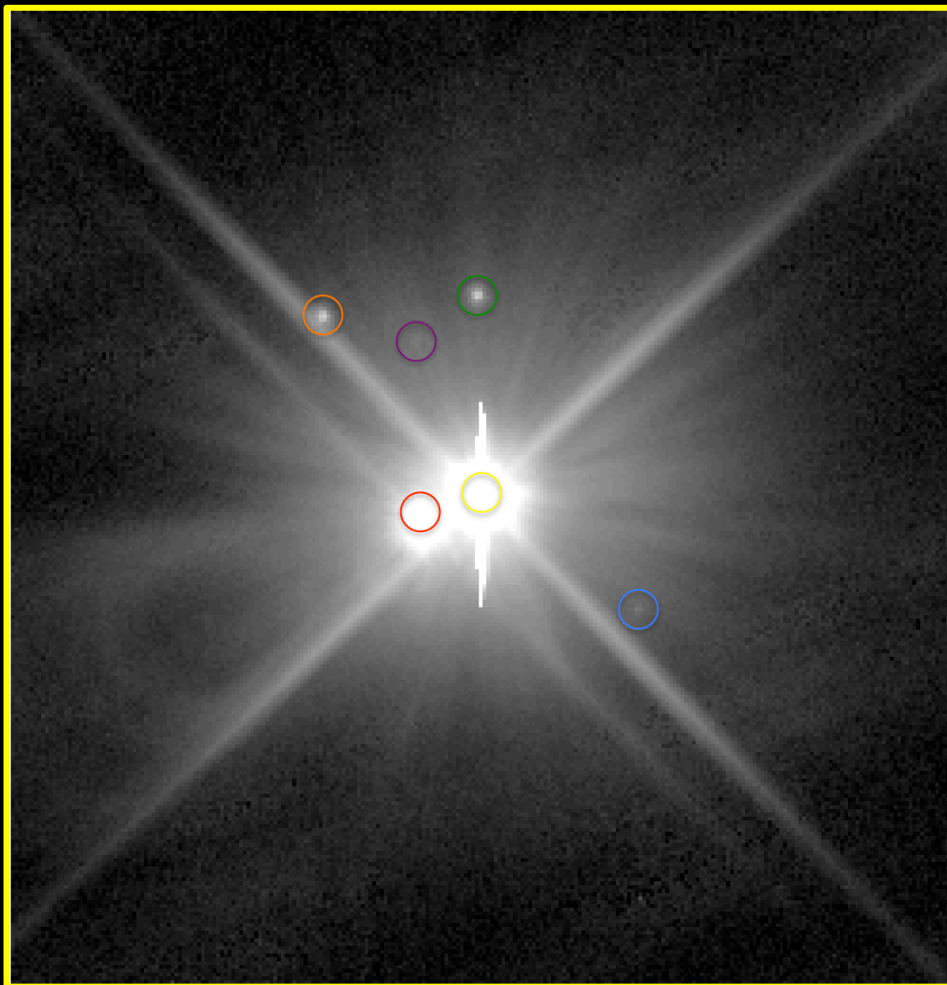


Discovery of Pluto's Fifth Moon ("P5")

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In support of NASA's New Horizons Pluto/KBO mission, Hubble performed the deepest search yet for satellites in the Pluto system. The figure to the left is a composite WFC3 image (102 min total exposure time) showing the discovery of a new satellite, provisionally named "P5", which is ~150,000 times fainter than Pluto. The figure to the right shows the *difference* between two such Hubble composite images, which more clearly shows the smaller satellites (both positive and negative) by suppressing the bright glare from Pluto and Charon. In each figure, Pluto, Charon, Nix, Hydra, P4, and P5 are labeled by ○, ○, ○, ○, ○, and ○, respectively. P5's orbit is inside Nix's and is near a 1:3 mean motion resonance with Charon.