

Runaway Black Hole Compass Image

Extended Description

Image titled “Runaway Black Hole Near RCP28.” The Hubble Space Telescope photograph of a curious linear feature on a black, deep-space field speckled with white, yellow and reddish galaxies and one, lone, star. The photograph is overlaid with a color key, scale bar, and compass arrows. Two, white-bordered boxes appear on the image—a small box in the center and a larger box to the right, which contains a magnified view of the contents of smaller box. Both boxes showcase the feature, a long, thin, diagonal streak of whitish-blue stars. The line of stars is connected to the irregular galaxy that appears at the top, right corner of both boxes. In the magnified view, a white knot appears prominently at the left, lower side of the diagonal streak of stars. At the top left of the image, below the title, is the label H S T A C S, which indicates the Hubble instrument used. Below that is a color key showing which filters were used to create the image and which color was assigned to each filter. F 606 W is blue and F 814 W is orange. At the lower left is a scale bar. On top of the bar is the label “20 arcseconds.” Below the bar is the label “200,000 light-years.” The width of the scale bar is about one-sixth the total width of the image. At the bottom right are compass arrows indicating the orientation of the image on the sky. The north arrow points up and the east arrow points to the left.