These thick clouds in the western Chryse Planitia region of Mars are dust clouds. Dust storms can reach heights of 50 kilometers.

Most storms spread only a few hundred kilometers, but occasionally dust storms can encircle the entire planet.

Location: 20.0° N, 50.0° W
Quadrangle: MC-10
(Lunae Palus)
Mission: Viking 1
Image Numbers: 467A31
467A69