ALMA provides a unique view of Jupiter’s atmosphere down to 50 kilometers below the fifth planet’s visible cloud deck.

Above: Atacama Large Millimeter/submillimeter Array (ALMA) radio image of Jupiter (left) and visible light image from the Hubble Space Telescope (right). ALMA shows that high concentrations of ammonia gas are brought up during an energetic eruption in the South Equatorial Belt.

Credit: ALMA (ESO/NAOJ/NRAO), I. de Pater et al.; NRAO/AUI NSF, S. Dagnello, J. Hellerman; NASA/Hubble