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The Observable Universe

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This is a tour of the universe as we have come to understand it through observations taken at many different wavelengths. Stunning images from the Hubble Space Telescope and surprising observations from other space telescopes like Spitzer and Chandra have given us a deeper understanding of the universe, both near and far. Equally important have been observations taken with ground-based observatories such as the Very Large Telescope in Chile. I will describe the most recent advances astronomers have made using these observatories and what we hope to learn in the near future.