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The open dome of the 10-meter Keck Telescope on Mauna Kea, Hawaii, rotated during this time exposure, making it look transparent. The Keck, the repaired Hubble Space Telescope, and other new instruments and techniques are lifting a veil from the early universe and revealing details of its architecture and makeup, which are beginning to pose a challenge for existing theories. See the Special News Report beginning on page 1426. [Photo: R. Ressmeyer/Corbis]


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