The Ulysses spacecraft superimposed on a soft x-ray image of the sun. The dark regions on the sun and the gaps in the sun's corona above the poles are coronal holes. The focus of the Ulysses mission is to explore the polar regions of the heliosphere. See the Reports in a special section beginning on page 1005 for results from Ulysses's pass over the sun's south pole. [Images: Courtesy of the European Space Agency]