



APOD SEARCH

DATE:



2025 June 4

Is the sky the same every night? No -- the night sky changes every night in many ways. To better explore how the night sky changes, the USA's NSF and DOE commissioned the Vera C. Rubin Observatory in Cerro Pachón, Chile. In final testing before routine operations, Rubin will begin to explore these nightly changes -- slight differences that can tell us much about our amazing universe and its surprising zoo of objects. With a mirror over 8 meters across, Rubin will continually reimagine the entire visible sky every few nights to discover new supernovas, potentially dangerous asteroids, faint comets, and variable stars -- as well as mapping out the visible universe's large-scale structure. Pictured, the distant central band of our Milky Way Galaxy appears to flow out from the newly operational observatory. Taken last month, the featured picture is a composite of 21 images across the night sky, capturing airglow on the horizon and the Small Magellanic Cloud galaxy on the lower left.



A Milky Road to the Rubin Observatory

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Rainbow Airglow over the Azores

2025 June 3



Paulo
Assunção