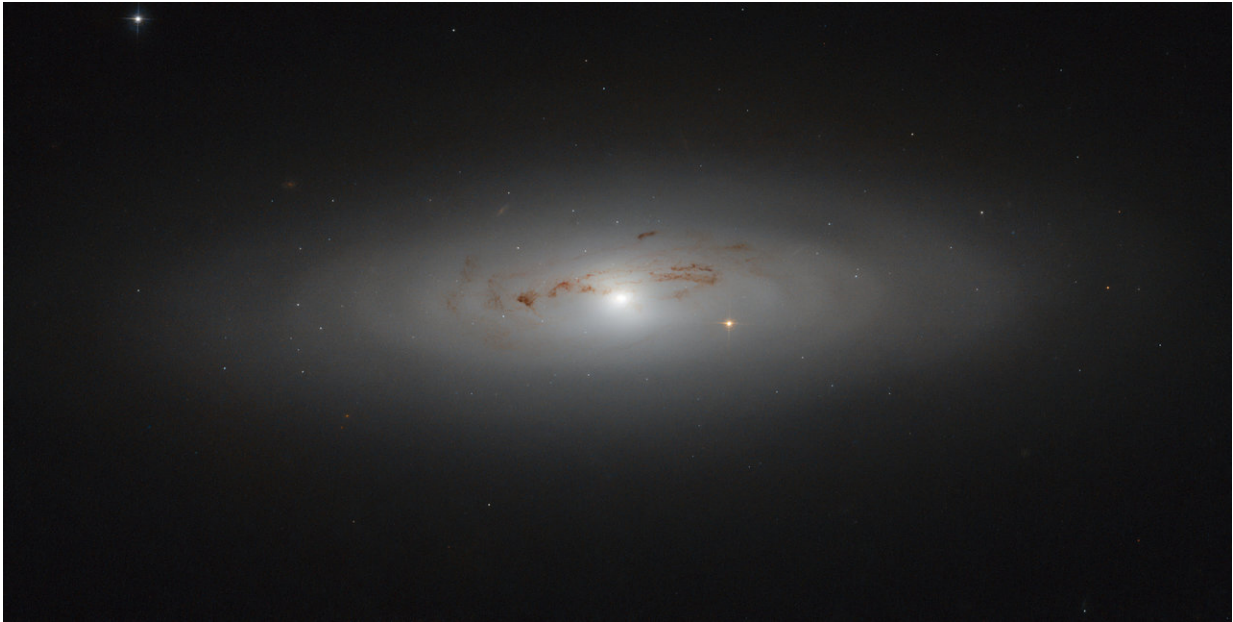


# Hubble peers into a galaxy's dusty haze

September 10 2018

---



Credit: ESA/Hubble & NASA; Acknowledgment: Judy Schmidt

This NASA/ESA Hubble Space Telescope image showcases the galaxy NGC 4036, a lenticular galaxy some 70 million light-years away in the constellation of Ursa Major (the Great Bear).

This galaxy is known for its irregular lanes of dust, which form a swirling spiral pattern around the center of the galaxy. This core is surrounded by an extended, hazy aura of gas and dust that stretches farther out into space and causes the warm, fuzzy glow that can be seen here. The center itself is also intriguing; it is something known as a

LINER-type (Low-Ionization Nuclear Emission-line Region) [galactic nucleus](#), meaning that it displays particular emission lines within its spectrum. The particularly bright star visible slightly to the right of the [galactic center](#) is not within the galaxy itself; it sits between us and NGC 4036, adding a burst of brightness to the scene.

Due to its relative brightness, this galaxy can be seen using an amateur telescope, making it a favorite amongst backyard astronomers and astrophotography aficionados.

Provided by NASA

Citation: Hubble peers into a galaxy's dusty haze (2018, September 10) retrieved 30 June 2024 from <https://phys.org/news/2018-09-hubble-peers-galaxy-dusty-haze.html>

<p>This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.</p>
--