

National Aeronautics and Space Administration

SUPPORTING U-M RESEARCH AND SCHOLARSHIP



\$28 MILLION

Research Supported by NASA in FY20



365

Active Projects Supported by NASA



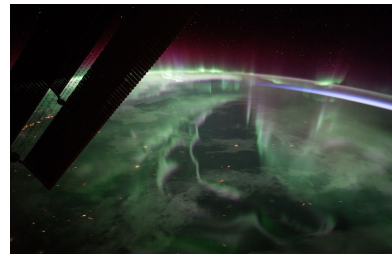
247

Faculty, Postdocs and Grad Students Supported Annually by NASA

The National Aeronautics and Space Administration partners with researchers across U-M to discover and expand knowledge for the benefit of humanity, while supporting innovation and technology development to advance our space exploration capabilities.

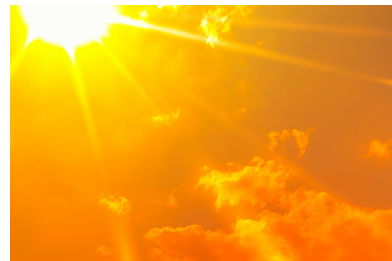
Modeling Earth's Atmosphere

Funding from NASA supports Aether, a project led by U-M aimed at improving models of the Earth's upper atmosphere that allows scientists to see what is happening on both a broad scale and in more granular detail. The models will incorporate data from disparate sources, such as constellations of satellites. U-M is a leader in space weather research and previous U-M models are being used by the national Space Weather Prediction Center.



Space Weather Storms

U-M is leading a \$62.6 million NASA grant to study how the Sun generates and releases space weather storms, known as particle storms, into space. This research will improve our understanding of how the solar system operates and will help protect astronauts by providing better information on how the Sun's radiation affects the space environment that spacecraft and astronauts travel through.



Bioastronautics and Life Support Systems

NASA is planning a return to the moon by 2024 with its Artemis program, and U-M aims to help the agency achieve its goal. NASA selected the Bioastronautics and Life Support Systems (BLiSS) team to develop innovative design ideas that will help the agency advance and execute its Artemis program objectives. BLiSS, a student-led team, will focus on voice command technology aimed at allowing the Gateway crew to communicate efficiently with crew members.



For more information about U-M research, visit research.umich.edu

