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# GULF NEWS

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**RESIDENTS OF  
DUBAI HAPPY  
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Good response to fee decision, with retailers offering reusable bags to shoppers at a nominal cost



GINA Archive

■ UAE spacecraft to Mars, Hope Probe, has released fourth batch of scientific data collected during orbit around Mars.

## Hope Probe's fourth batch of data released

Mars solar energetic particles and galactic cosmic rays monitored

**ABU DHABI**

Gulf News Report

**E**mirates Mars Mission (EMM) has released the fourth batch of scientific data collected by the Hope Probe's instruments during orbit around Mars from December 2021 to February 2022, bringing the total data shared with the international scientific community to 688.5 gigabytes.

EMM said "the latest data demonstrate the capabilities of Hope Probe's instruments, and its incredible performance."

Hope Probe has identified new observations, in addition to its nominal set of observations. The latest released data include new observations from the Emirates Mars Ultraviolet Spectrometer (EMUS) to provide better coverage of the aurora. The EMUS instrument was also able to successfully observe the solar energetic particles and galactic cosmic

rays through a detector background monitoring. Also, as part of a detector characterisation experiment, the EMUS observed the ability to operate on higher gain, giving more sensitivity to observations.

Hope Probe's Emirates Exploration Imager (EXI) camera also observed high cadence clouds on December 24, 2021; and well as on January 7 and 25 this year.

### Key research and insights

EMM project director Eng. Omran Sharaf said: "The new observations are a testament to the quality of the Hope Probe in driving key research and insights on Mars and its atmosphere, and we are thrilled to share the latest observations with the global scientific community."

Sharaf noted: "As the Probe continues its planned mission to orbit around Mars, we will continue to identify ways in which we can enrich our discoveries and observations to deliver above and beyond our mission, to further enhance the international community's knowledge and understanding of the Red Planet."