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UAE Hope Probe shares new data

Images available on Emirates Mars Mission website

DUBAI

BY ANGEL TESORERO
Senior Reporter

The Emirates Mars Mission (EMM) has shared new observations conducted by the Hope Probe about Martian atmosphere, in its third batch of scientific data collected by the probe's instruments during its mission in Martian orbit, between September 1 and November 30 last year.

The data from the third batch included more than 57 gigabytes of information, images and data about the Red Planet's atmosphere, making the total data released by the Hope Probe equivalent to 827.7 gigabytes.

Images from the Hope Probe's instruments can be accessed on the Emirates Mars Mission's website.

High-density clouds

Within the data, a special high-cadence imagery observation took place, using the Emirates Exploration Imager (EXI) camera. The observation was meant to capture motion and evolution in the atmosphere, where it observed high-density clouds on November 22



GN Archives

■ Emirates Mars Mission's Hope Probe is studying the environment of Mars and serves as a stepping stone for UAE's long-term space goals.

last year. According to EMM, during the period in which the third batch of data was collected, the Mars Solar Conjunction phase took place, which paused communication, scientific observations and data collection.

Data sharing

Omran Sharaf, the EMM project director, said: "Publishing the data and images captured by the Hope Probe and sharing them with the global scientific community reflects the UAE's

commitment to supporting scientific progress in the field of space and related sciences."

Additional insights

Hessa Al Matroushi, the EMM Science Lead, said: "It is very exciting to check the most recent coverage of the Mars Hope Probe. Every data downlink we receive provides us with additional insights on Mars and its atmosphere. This supports the mission's objectives of providing useful scientific data."