TABLOID | P4-5

ANIL KAPOOR ON PLAYING 'THE WORST MAN IN THE WORLD'

Star goes all guns blazing in *The Night Manager*

THURSDAY FEBRUARY 16, 2023
RAJAB 25, 1444

gulfnews.com

GULF NEWS

Scan for our social media

THE VIEWS | P10

Turkey-Syria quake: Nature's fury and miracles

THE NATION | P3

Young cancer survivors share stories of hope

BUSINESS | P8

AD Ports Group sails past Dh1b profit mark

Hope Probe reveals fog, dust storm in Mars' grand canyon

Data captured with ultraviolet, infrared spectrometer and advanced imager

ABU DHABI
Gulf News Report

The Emirates Mars Mission Hope Probe revealed the sixth batch of data and high-resolution observations of Mars' atmosphere and the dust movement on the planet. The data was captured by the probe's high-performance measurement instruments between June 1 and August 31.

The data released includes nominal observations captured by the Probe's Emirates Mars Ultraviolet Spectrometer (EMUS), the Emirates Mars Infrared Spectrometer (EMIRS), and the Emirates Exploration Imager (EXI).

High resolution images

In addition, EXI captured high resolution images of high dust movement on Mars, on June 6, 13, 22 and 27; July 13 and 22; and August 12.

A series of EXI colour composites taken over about six hours on September 24 revealed a massive dust storm and dense fog covering Valles Marineris (the grand canyon that runs along the Martian surface east of the Tharsis region) and the surrounding areas from early morning hours until noon, as well as the rapid evolution of the storm.

Eng Zakareyya Al Shamsi, project director of Emirates Mars Mission, said: "Hope Probe's data was key in providing a deeper understanding to the climate and atmosphere dynamics on Mars and provided the global scientific community with new observations, including the dust movement on the planet.

"Over the past two years, which equal one year on Mars, the Hope Probe was able to study and map the entire planet's atmosphere, and provide unprecedented information, which led to a deeper understanding of Mars."

Courtesy: MBRSC

A series of EXI colour composites taken over about six hours revealed a dust storm and dense fog covering Valles Marineris.

Previous data batches

The Probe's instruments, including the EXI, EMUS, and EMIRS, recorded over 1.7 Terabyte of data, and released six batches of data and images.

The Probe's data centre received international praise for the quarterly data batches released and shared with the global scientific community and astronomy enthusiasts.

COMMERCIAL USE

Yahsat, MBRSC tie up for remote sensing data

ABU DHABI
Gulf News Report

Al Yah Satellite Communications Company (Yahsat) yesterday announced a Memorandum of Understanding (MoU) with the Mohammad Bin Rashid Space Centre (MBRSC) to collaborate on the commercialisation of remote sensing data and earth observation images for Yahsat's commercial and government customers.

Under the partnership, MBRSC's fleet of satellites will provide Yahsat with earth observation imagery and remote sensing data, which will then be available to key clients through Yahsat Government Solutions (YGS).

Demand for remote sensing data is expected to reach over $100 million in the UAE by 2027. The global market potential is estimated to be more than $ 4 billion for optical and synthetic-aperture radar (SAR) data combined. The partnership represents an opportunity for Yahsat to expand its offerings.