This will be the first time we attain a complete picture of the 'HOPE' PROBE PROBE SCIENTIFIC OBJECTIVES

EMIRATES MARS MISSION - HOPE PROBE

Ground Systems Team
Safety and Mission Assurance

1,350 kg
Weight

Understand the structure and variability of H and O in

Explain how the weather changes the escape of H and O

34,082 Launch speed
Centers, Japan.
from Tanegashima Space

Hope probe will launch using
subishi Heavy Industries. The

Women within the team

New technical designs

200+

months ap-


tenna

2020

ARRIVAL & ORBITING

November 2020

55

ARRIVAL 2020

20,000,000,000

Earth equatorial orbit

55

2021 Science Orbit

CO

10

Years of development

Team members

50/

Global distribution of dust, ice

cloud, and water vapor in

Emirates Mars Infrared
 Spectrometer (EMIRS)

the lower atmosphere

Science Phase

Science Orbit

Arrival

EMIRATES MARS MISSION - HOPE PROBE SCIENTIFIC OBJECTIVES

• Study of the role of H and O in the structure and variability of the Martian atmosphere.
• Study of the impact of weather on the escape of H and O from Mars.

EMIRATES MARS MISSION - HOPE PROBE TEAM

• Electrical Systems Team
• Electrical System Team
• Mechanical System Team
• Thermal System Team

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