

EVA Report:

EVA #2

Crew members: Mohammad IRANMANESH (EVA leader), Camille GONTIER and Louis MALLER

Location:

Around the Hab (12S-518437E-4251432N)

Time: departure at 9:40 a.m.

Duration: 1 hour 46 minutes

Purposes:

- Eyewear User Interface for Marsonauts
 - o Test #2 with AR glasses (displaying a map and the hour, and taking pictures using voice control).
- Cliff Reconnaissance Vehicle (CRV)
 - o Test #1 test the CRV on the hills scouted previously by EVA#1. Test the new wireless camera system.

HabCom: Mehdi SCOUBEAU

9:49 a.m.: CRV is taken outside of the Engineering Airlock

9:57 a.m.: EVA #2 check-in walking North

10:16 a.m.: EVA 2 on a hill testing CRV. Radio readability 3/5.

10:15 a.m.: EVA#2 asked for the time

10:40 a.m.: Decision of EVA#1 to take the direction of the Hab

10:48 a.m.: EVA#2 asked HABCOM to note down the temperature and humidity measured by the CRV sensors (humidity 24%, temperature 12°C)

11:20 a.m.: Check in: 30 min left. EVA#2 is gathering equipment to come back to the HAB.

11:35 a.m.: EVA#2 entered Airlock

Summary:

After a quick engineering check to make sure we had the numbers that Mission Support needed, we went North to get to the location scouted by EVA #1.

Louis tried AR glasses voice control and it worked much better. The command to wake up the system was changed from a vocal command to shaking the head and it worked much better. Problem with the pictures taken from the glasses because they focused on the helmet instead of the object of interest.

The new wireless camera system of the CRV worked well and the temperature and humidity were operational. About the end of the EVA, it got damaged when a crew member tried to remove the anti-roll bars.

The mind wandering experiment did not work as planned. The button to set a marker on the device registering the hearth beat was not accessible through the space suit and the gloves. But the system was recording data successfully during the EVA.

We filmed but the battery got low quickly. Probably because of issue

during recharging at the HAB.

Nice pictures were taken for the journalist report thanks to the nice weather.