

EVA Report:

EVA #1

Crew members: Mehdi Scoubeau (EVA leader), Louis Maller and Arthur Lillo

Location:

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

First CRV testing site: 12S-518110E-4251535N

Second CRV testing site: 12S-518472E-4251130N

Time: departure at 9:20 a.m.

Duration: 1 hour 50 minutes

Purposes:

- Eyewear User Interface for Marsonauts
  - o Test #1 with AR glasses (displaying a map and the hour, and using the vocal command).
- Cliff Reconnaissance Vehicle (CRV)
  - o Find interesting sites to test the CRV (accessible cliffs)

HabCom: Mohammad Iranmanesh

9:20 a.m.: EVA#1 left Airlock

9:30 a.m.: Engineer Checks Complete

9:35 a.m.: EVA#1 departed

9:50 a.m.: First stop, check-in HabCom, AR glasses vocal test

10:15 a.m.: EVA#1 found a good spot for a future test of the CRV

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

10:50 a.m.: EVA#1 found another good spot for the CRV

11:00 a.m.: Check-in HabCom

11:10 a.m.: EVA#1 entered Airlock

Summary:

We went North to get familiar with the environment about one kilometer from the Hab. We filmed and took beautiful pictures despite the cloudy weather. We managed to find some interesting places for future testing of the CRV, during another EVA. Every time we stopped, Louis tried to use the vocal command of the AR glasses, but it never worked, maybe due to the noise of the ventilation inside his helmet. Hopefully, the AR glasses are able to show a map of the surrounding, and they display the hour. The duration of the battery has proven to be sufficient for a two-hour EVA and we confirm the ergonomics of the AR glasses inside the helmet.