

## EVA #7

Crew members: Louis Maller (EVA leader): backpack 2, red Honda  
Mohammad Iranmanesh, one-piece backpack, ATV#3  
Arthur Lillo, backpack 4, ATV#2  
Camille Gontier: backpack 1, ATV#4

Location: South of the the Hab (12S-520235E-4250690N)

Time: departure at 10:00 a.m.

Duration: 2 hours

### Purposes:

- scouting south of the Hab
- Project EMUI:
  - Testing of new features (new note and procedure, with new pictures inside the new helmets) by PI
- Detection of Mind-Wandering using ECG
- If it is sunny, first outdoors test of the MOMA project

HabCom: Jérémy Rabineau

### Timeline:

10:00 exiting main airlock  
10:02 opening Engineering Airlock  
10:04 static tank mesure  
10:05 MOMA experiment set in front of the hab  
10:11 ATVs leave south  
10:20 loss of radio signal  
11:15 brief radio contact  
11:30 backpack problems, #1 doesn't seem to be working and #4 very feeble  
11:33 EVE#7 heading home  
11:54 back to the Hab  
11:58 Empty gas can placed on the trailer  
11:59 MOMA placed in the engineering airlock  
12:02 Back in the main airlock

### Summary:

The crew of 4 left the Hab on the ATVs heading south, looking for an interesting canyon, and exploring the road, trying to find the forks on the main road.

We went almost all the way to the main road without seeing the fork, so we went back until we found it. We stopped at a firs canyon just along the road, that was quite picturesque. We took a few pictures and then we headed back north. We found the fork in the road we were looking for. We followed that road until we arrived at a spot we found interesting, with a mountain that didn't seem far away. We left the ATV there, but the interesting land feature was farther then expected (20min walk). There wasn't any canyon as we thought at first, so we didn't stay long but we took a few pictures. During the walk from and to the ATVs we were able to connect briefly with HabCom.

The EVA was shorter than announced because we did the exploration we

wanted to do, and are now more familiar with MDRS environment. We got better with the ATVs and unfortunately there was a glitch with the EMUI experiment so I wasn't able to test them successfully.