

## 15 03 26 Reports

### Commander Report

Date: March 26, 2015

Crew Commander Name: Susan Jewell MD

Hello from Commander Jewell.

The telesurgery study is finally completed with testing of new strategies and use of the "medi-drone" to assist medical triage and operations. Mohammad and Mehdi completed the Optivent eyewear glass study and LOCARD projects. As a small crew of three members I am honestly surprised as the amount of work we have achieved in the past week!

Crew 151 Innovative Emerging Space Leaders continued the "Rotating Commandership Concept, RCC" with the final official hand-over last night from Mohammad Irananmesh to Dr Susan Jewell MD, a veteran MDRS analog astronaut and Commander of MarsWithout Borders Crew145. Mohammad, and Medhi as XO, did fantastic job during the past days and kept the mission moving forward maintaining effective crew cohesion and bonding for the small crew. Excellent leadership qualities!

I believe the RCC strategy works with individuals possessing a certain "je nai cest quoi" and joie de vivre quality – but more importantly a deeper understanding of the "Humanness" of life and the ability to have empathy, sympathy and compassion for others interconnected with a strong sense of Self and degree of maturity, inner wisdom, openness and willingness to collaborate and advocate the "Band of Brothers" mentality.. Individuals who can be selfless and altruistic- characteristics that are innate in all Beings but rarely seen except in certain situations like living in isolation and confinement in extreme dangerous hostile environments...like Mars!. It is only those with the courage and Humanity to demonstrate vulnerability and unafraid to accept one's fragility and human imperfections and able to throw out the "egocentric Self" and adapt quickly to the "Selfless Whole" can successfully, I feel, become the "perfect" crew MIX.

Crew 151 is an extra-ordinary team having only meet one day before entering simulation and leaving for Mars. It has been quite fascinating to see this natural seamless transitioning and coalescing of the separate individuals into "One" functioning living breathing organism of four Beings...of, course, now three members. As they say you can't stick a square peg into a round hole so the Crew Mix must naturally evolve to "fit"...this a seamless transition of the physical, physiology and psychology merging into one ebbing and flowing of energies attaining harmony and balance.

So the question we must ask ourselves is how do we find the right crew mix to start the journey of Mankind's journey to plant the seeds on a New World? In my mind, the answer is not so complicated as we might think it to be. I believe to build a new Martian civilization is not so much just looking and selecting the obvious traits to become an astronaut by dissecting the Anatomy of the Body and Anatomy of the Mind/ We must dive deeper into understanding the Anatomy of Love... the invisible "gel" that bonds Humanity and Crews.

So, Crew 151 has achieved this in less than two weeks and that is amazing in itself but more incredible is the fact, the crew is so naturally connected together when only a day before we arrived at the MDRS Hab we were four total strangers!!!.

As Mr Spock would say..."fascinating Captain".  
Live Long and Prosper.

Happy Birthday to tmy Earthling family, sisters Anne and Mary and brother, Steven, All born on the same day and same month bit different years. The odds of that occurring in one family is 20 million to 1.

The odds of finding a perfect Crew Mix is????????????????????????????????

As Mr Spock would say..."fascinating Captain".  
Live Long and Prosper.

Commander Jewell  
Crew 151.

## **EVA Report:**

EVA#9

NO ATV WERE USED

Crew members: Mohammad Iranmanesh (EVA leader), Mehdi Scoubeau and Susan Jewell

Location: Around the Hab (12s-518230-4250720)

Time: departure at 10:32 a.m.

Duration: 54 min

Purposes:

- LOCARD: use of a UAV as communication relay and localization tool.
- EMUI: use of voice recognition to take notes during Engineering Check.

10:15 a.m. : EVA leaves Airlock

10:32 a.m. : Engineer Checks Complete

10:35 a.m. : EVA departs

11:26 a.m. : Enter Airlock

Summary:

The voice recognition during engineering check did not work, probably because of backpack noise. The wifi Access Point was set outside the hab. The crew lost connection with this Access Point about 100m of the Hab because of a small hill. The UAV with a wifi repeater was used to gain connection back with the HAB. The experiment was successful. There was no wind so the UAV was much more stable. LOCARD was also used to localize a dummy injured astronaut behind a hill. The test was successful.

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## **Engineering Report**

Date: March 26, 2015

Crew Engineer Name: Mehdi Scoubeau

Diesel – 73%

Propane – 54%

Gasoline – 7 gallons in tank

Water (trailer) – distance from top: 95 cm

Water (static) – distance from top: 41 cm

Trailer to Static Pump used - yes

Water (loft) – 22 gallons

Static to Loft Pump used – yes

Summary of Engineering activities:

- I prepared the EVA of tomorrow by cleaning the helmets and the headsets/micros.
- On main generator
- Internet connection via WiFi
- HALpr on

Questions and Concerns to Mission Support:

- Some pages (“record eva plan” and “explore possible eva routes”, for example) on HALpr do not seem to be available because of an “internal server error”.

Thank you,

Mehdi Scoubeau

## Journalist Report

03/26/2015  
Mohammad IRANMANESH

A (very) little bit of everything today!

Last night, short observation at the Musk Observatory. The sky was clear but the moon too bright in the direction of interest. We will miss that sky back on Earth.

The day started with a short but successful one-hour-long EVA around the Hab: The radio communication relay on the UAV worked great. We have to admit that the calm wind helped a lot.

Even the cooking was reduced to its minimum as the Belgians of the crew tried Macaroni and cheese for the first time. Did they like it? Let's just say that crew 151 is happy to leave some more Mac & Cheese in the food cabinet for crew 152.

Finally, crew 151 proved once again that they deserve the "innovative" in "Innovative Emerging Space Leaders" as they used a UAV inside the HAB to assist a Dr Jewell with her telesurgery experiment.

Tomorrow will be the last the of our simulation. We are very happy with what we manage to achieve despite being such a small crew. The atmosphere in the hab is as joyfull and energizing as it was on the first day.

Talking about "Atmosphere", today's creative Universe was "Atmosphere":  
More than providing breathable air and protection us from solar radiation, what if the biggest benefit of Earth's Atmosphere was to hide the Stars during the day so that Humans do not feel small and insignificant when they are awake?

Crew 151 wishes you a sky as beautiful as ours.