**HUGINN: Highlights**

|  |  |
| --- | --- |
| Image | Text |
| 10:00:00:00  Stylized images of a raven silhouette swooping over the earth followed by the ISS | **It is said that Odin Allfather worries about the return of his ravens Muninn and Huginn. While the first Muninn in the shape of Swedish Astronaut Marcus Wandt’s 21-day mission to the ISS has already returned to earth, the second raven Huginn is ready to come back as well and whisper in humankind’s ear of the marvels it has seen on its journey with ESA astronaut Andreas Mogensen.** |
| Musical intermezzo and title | **Tittle: The whispering of Huginn** |
| Images of the launch and everyday life onboard ISS | **The Danish astronaut Andreas was the first non-US astronaut to pilot SpaceX Crew Dragon when he and Crew-7 launched on the 26th of August 2023 from Kennedy Space Center to the International Space Station for his first long duration mission. By the end of his mission Andreas will have been in space for a little over 6 months.**  **It has been an interesting stay during which Andreas has participated in more than 30 European experiments as well as international science. These experiments range from water filtration using membranes that mimic nature and understanding the immune system’s changes on prolonged missions to space. A particular experiment Andreas performed took place in his personal crew-quarters and involved the installation of a circadian light panel.** |
| Circadian lights video | **ANDREAS MOGENSEN VO:**  The Idea is that a light panel like this helps regulated our day night cycle or circadian rhythm onboard the international space station. Which will make us sleep better and through the better sleep it will make us more energetic during the day, it will increase our cognitive abilities, our abilities to concentrate, our reaction times will improve. In general, our mental state will be vastly improved through better sleep cycles and a better overall circadian rhythm. |
| Andreas in cupola and lighting image | **A lot of Andreas’s free time at the ISS was spend in the cupola where he made astonishing picture of the earth which he shared with the world. And for the Thor-davis experiment he used with a special camera to capture pictures of lighting from space** |
| Footage of the handover. | **After one month on board the station, he was handed command of the ISS. He is the 6th European and the first Dane to take up this mantel and he is now the longest serving European commander.** |
| Meeting Marcus. | **As commander Andreas also got to greet the arrival of the Axiom-3 mission and crew including ESA’s first project Astronaut and fellow Scandinavian Marcus Wandt. With the arrival of Marcus whose mission was called Muninn, Odin’s two ravens were reunited in Space with the first ever meeting of two Scandinavians in orbit.** |
| In flight call footage | **Andreas also made many inflight calls, including one to the Wild Nature Foundation, of which he is an Ambassador, and another to Esero Denmark, during which he engaged with students and teachers from Finland, Denmark, Norway, and Sweden.** |
| In flight call footage | *Brief soundbite ESERO call* |
| In flight call footage | **He also spoke with Physics and Chemistry Nobel Prize laureates Ferenc Krausz and Moungi Bawendi the day after they received their Nobel prize.** |
| In flight call footage | *Brief soundbite Nobel prize call* |
|  | **After a fulfilling journey of 127 million kilometers,  Huginn is now ready to return to Earth as Andreas’ dragon capsule is scheduled to splash down soon off the coast of Florida,  concluding his 2nd visit to the ISS.** |