**Cosmic Kiss: Matthias Maurer’s first ISS mission**

ESA astronaut Matthias Maurer from Germany has been assigned his first mission to the International Space Station (ISS). He is expected to fly to the International Space Station in the autumn of 2021. The mission is called Cosmic Kiss and Maurer will spend six months in orbit, carrying out vital science and operations on behalf of researchers and international partners worldwide.

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| Image | Text |
| 10:00:00:00 | **TITLE: Cosmic Kiss: Matthias Maurer’s first ISS mission** |
| 10:00:08:00   * INT. ESA Astronauts at Johnson space center, Houston TX, USA – 2017 – ESA (3 shots) * EXT. SpaceX crew Dragon launch, Kennedy Space center, Cape Canaveral FL, USA – 2020 – NASA (2 shots) * INT. ESA Astronauts at Johnson space center, Houston TX, USA – 2017 – ESA (2 shots) * EXT. View of the ISS in space – unknown date – ESA/NASA * Animation. Cosmic Kiss mission patch – 2020 - ESA | **The countdown has started for ESA Astronaut Matthias Maurer who has just been assigned to fly his first mission to the International Space Station in the autumn of 2021. The German astronaut will be the second ESA astronaut to fly under NASA’s commercial crew programme and is expected to launch from Kennedy Space Center in a SpaceX Dragon crew capsule. Matthias’ mission to the Space Station is called Cosmic Kiss. This name is a declaration of love for space and the connection the Space Station provides between humankind and the cosmos. This connection is also evident in the mission patch.** |
| 10:00:47:14   * Still. Nebra Sky disc – unknown date * Still. Voyager golden record – unknown date * Interview Matthias Maurer, EAC, Cologne, Germany – November 2020 - ESA | **Mathias Maurer, ESA Astronaut:***[00:03:22]*The Cosmic Kiss patch takes inspiration from the Nebra sky disc, the oldest known realistic illustration of the night sky, as well as the pioneer Black and the Voyager Golden records. Those are sent into the unknown, carrying messages from Earth. These artefacts show a fascination with space that spans the ages. Since the beginning of time, humans have looked skyward for knowledge about the origins of life, the universe and our place in the cosmos. The Cosmic Kiss mission built on the curiosity of all those who came before us as exploration advances our understanding of Earth, our Solar System and life itself. *[00:04:05][42.5* |
| 10:01:19:00   * EXT. View of the ISS in space – unknown date – ESA/NASA * INT. Female Astronaut doing experiments aboard the space station – unknown date – ESA/NASA * INT. Thomas Pesquet doing experiments aboard the space station – unknown date – ESA/NASA * INT. Alexander Gerst doing experiments aboard the space station – unknown date – ESA/NASA * INT. Paolo Nespoli aboard the space station – unknown date – ESA/NASA * INT. Tim Peake aboard the space station – unknown date – ESA/NASA * INT. Thomas Pesquet doing experiments aboard the space * INT. Alexander Gerst doing experiments aboard the space station – unknown date – ESA/NASA * INT. Zero gravity airplane, Matthias Maurer practicing in zero Gravity – unknown date - ESA | **The International Space Station is a unique laboratory and throughout his mission Matthias will carry out numerous European and international experiments for researchers on the ground. The Space Station’s weightless environment enables scientists and researchers to conduct experiments that are not possible on Earth. The discoveries made here will propel us farther into space while enhancing life on Earth. But Matthias is well prepared.** |
| 10:01:47:17   * Interview Matthias Maurer, EAC, Cologne, Germany – November 2020 - ESA | **Mathias Maurer, ESA Astronaut:***[00:00:33]*As a material scientist, I'm really looking forward to my experiments in the Columbus module, working on new alloys, but also developing life sciences experiments, new technology for Earth. So far, I've been training on all the systems inside the ISS, but also doing a spacewalk in case that I need to repair something on the outside or install new experiments. *[00:00:55][22.6]* |
| 10:01:59:10   * INT. Zero gravity airplane, Matthias Maurer practicing in zero Gravity – unknown date – ESA * INT. Matthias Maurer at NBL spacewalk training, Johnson space center, Houston TX, USA – 2017 – ESA (2 shots) * INT. Matthias Maurer ISS training, Houston TX, USA – 2017 – ESA (2 shots) * EXT. Matthias Maurer underwater experiments, NEEMO 21 Analog mission – 2016 – NASA (2shots) * EXT. Matthias Maurer geology training – unknown date -ESA (2 shots) * EXT. Matthias Maurer sea survival training, China – unknown date - ESA (3 shots) | **Matthias joined the ESA Astronaut corps in 2015 and has been training for this mission ever since.**  **From a 16-day underwater mission, to geological field training and sea survival training, every activity brought him closer to his first time in orbit – an exciting prospect for every astronaut.** |
| 10:02:19:16   * Interview Matthias Maurer, EAC, Cologne, Germany – November 2020 – ESA * INT. View of earth through ISS Cupola – unknown date – ESA/NASA | **Mathias Maurer, ESA Astronaut:***[00:00:07]*I'm especially looking forward to floating in zero gravity, gliding down into the Cupola, the favorite place of all astronauts, and just observing our planet Earth, gliding by for a full round 90 minutes, just enjoying the view. *[00:00:21][13.8]* |
| 10:02:33:20   * INT. View of earth through ISS Cupola – unknown date – ESA/NASA * INT. Matthias Maurer and Thomas Pesquet mission training Johnson space center, Houston TX, USA – 2017– ESA (3 shots) * INT. Matthias Maurer and Thomas Pesquet mission training Johnson space center, Houston TX, USA – unknown– ESA (3 shots) * INT. Matthias Maurer mission training Johnson space center, Houston TX, USA – unknown– ESA (2 shots) * INT. View of earth through ISS Cupola – unknown date – ESA/NASA | **In the coming months Matthias will continue his training, prepare for his mission and also serve as back-up for Thomas Pesquet’s Alpha mission. With Matthias Maurer, another European astronaut will join the ranks of those exploring beyond our planet for the benefit of humankind.** |
| **B-ROLL**   * Interview Matthias Maurer, EAC, Cologne, Germany – November 2020 – ESA | **Mathias Maurer, ESA Astronaut: Soundbites English**   * Hello, I'm ESA Astronaut Mathias Maurer. I'm looking forward to my very first space flight to the International Space Station in 2021. I'm especially looking forward to floating in zero gravity, gliding down into the cupola, the favorite place of all astronauts, and just observing our planet Earth, gliding by for a full round 90 minutes, just enjoying the view. * I can’t wait to sit into the very modern capsule. The SpaceX Dragon capsule, it’s so shinny and cool. You can’t beat that. * So far, my training comprised learning all the systems inside the International Space station because I need to know how to manipulate everything, but also how to repair it and how to perform a spacewalk in case something fails on the outside. * The International Space Station is a huge cooperation amongst different space agencies. That means I get training in the United States, in Russia, in Canada, in Japan. But most important for me is the training in Europe. * During my six months in space, I will participate in a huge number of experiments, roughly between 100 and 150. And these comprise material science experiments, life science experiments, biology experiments, but also a lot about physics and fundamental science. * Cosmic-Kiss is the name of my mission. It's a fresh new name and it's a declaration of love to space to all what we are doing in space, to our unique space station that floats around the Earth and that bridges the gap between the humans on our home planet and all the destinations in space that we want to explore. * The name Cosmic-Kiss is a declaration of love for space. It communicates the special connection the space station provides between the Earth's inhabitants and the cosmos. It also conveys the value of partnership in exploring further to the moon and Mars alongside the need to respect, protect and preserve the nature of our home planet. * The cosmic kiss patch takes inspiration from the Nebra skydisc, the oldest known realistic illustration of the night sky, as well as the pioneer Black and the Voyager Golden records. Those are sent into the unknown, carrying messages from Earth. These artefacts show a fascination with space that spans the ages. Since the beginning of time, humans have looked skyward for knowledge about the origins of life, the universe and our place in the cosmos. The cosmic-kiss mission built on the curiosity of all those who came before us as exploration advances our understanding of earth, our solar system and life itself. * Like the Nebra sky disc, the patch features several cosmic elements, including the Earth, the moon and the Pleiades star cluster. It also depicts Mars, one of the three key destinations for exploration over the next 10 years. It is illustrated as a small red dot beckoning in the distance. The Earth is shown borderless and backlit, with only a delicate line of atmosphere visible. This phenomenon is often described by astronauts who marvel at the wonder of all human life and events taking place in only this one thin and precious layer. The most prominent feature is a simplified, almost hard like International Space Station. This is connected through a human heartbeat that stretches from the earth to the moon. The heartbeat symbolises the human presence and passion that propels exploration forward and connects us to the universe. The heartbeat also stands for the vital life sciences. Experiments, which the space station enables. As a unique oasis in space the ISIS is a hub for science, research and operations like no other. The continuous human presence which supports the ISIS beyond our earth leads to greater knowledge. It leads to advances in technology and a better understanding of fundamental and applied sciences. The space station is a lifeline for Earth's future and paves the way for our next steps into space as we go forward to the moon and Mars. It is the cosmic-kiss that unites us and brings light to the unknown. The cosmic-kiss mission patch features black, red, gold and white. Black represents the universe and its mysteries, which we seek to understand. Red, Red stands for love and passion. It represents our human presence today and also our future destination, Mars. Gold is the colour of the stars which share their warmth and light to enable life. White is the heartbeat that flashes in the atmosphere. It stands for technology, for scientific progress, bringing light into the dark. |
| **10:13:51:24**   * Interview Matthias Maurer, EAC, Cologne, Germany – November 2020 – ESA | **Mathias Maurer, ESA Astronaut: Soundbites German**   * Worauf freuen Sie sich am meisten, wenn Sie auf die ISS gehen? * Was halten Sie von einem Start mit SpaceX? * Für welche Aufgaben haben sie bisher trainiert? * Auf welche Art von Experimenten freuen Sie sich? * Welches Training werden Sie mit den internationalen Partnern der Station durchführen? * Wie lange wird Ihre Mission dauern und wie werden Sie sich während dieser Zeit im Orbit fit halten? * Missions Name Cosmic |
| **10:15:58:14**   * Interview Matthias Maurer, EAC, Cologne, Germany – November 2020 – ESA | **Mathias Maurer, ESA Astronaut: Soundbites Spanish**   * ¿Qué es lo que más espera de ir a la ISS? ( * ¿Cómo te sientes sobre el lanzamiento con... ...con qué nave espacial está? * ¿para qué tareas ha estado entrenando hasta ahora? * ¿Qué entrenamiento hará con los socios internacionales de la Estación para prepararse para la misión? * ¿En qué tipo de experimentos espera trabajar? * ¿Cuál es la razón del nombre de su misión? * ¿Qué te inspiró en el diseño de tu parche? |
| **10:18:27:15**   * INT. Matthias Maurer and Thomas Pesquet mission training Johnson space center, Houston TX, USA – 2017– ESA | **GV’s: Matthias Maurer EMU space suit training**  **Johnson Space Center - Houston TX, USA**  **2017** |
| **10:20:55:07**   * EXT. GV’s ISS in orbit – ESA/NASA | **Exterior views International Space Station** |
| **10:23:57:05**   * EXT. Animation Cosmic Kiss patch reveal + Still – December 2020- ESA | **Animation: Cosmic Kiss patch reveal + still**  **December 2020 - ESA** |
| **10:24:27:04** | **ESA OUTRO** |
| **10:24:38:04** | **END OF PROGRAMME** |