**Metop-C: triplets on orbit**

**Soon ESA and Eumetsat will launch a third Metop satellite from Europe spaceport in Kourou, Metop-C. The satellite follows 6 years after the launch of its predecessor Metop-B. This way it helps to ensure a continuous delivery of high-quality data for medium- and long-term weather forecasting and climate monitoring data well into the 2020’s.**

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| 10:00:00 | ESA leader |
| 10:00:10 | Title: **MetOp-C: triplets on orbit** |
| 10:00:10   * INT. Metop-C in cleanroom – Arianespace - Kourou, Fench-Guiana – July 2018 – ESA * EXT. Metop-B launch – Baikonur, Kazachstan – 16 sept. 2012 – ROSCOSMOS * INT. Metop-C in cleanroom – Arianespace - Kourou, Fench-Guiana – July 2018 – ESA * EXT. EUMETSAT HQ – Darmstadt, Germany – May 2012 – ESA * INT. EUMETSAT HQ, control room – Darmstadt, Germany – May 2012 – ESA * Animation – Metop-C 360 – 2018 – ESA * INT. EUMETSAT HQ, control room – Darmstadt, Germany – May 2012 - ESA | In a cleanroom at Europe spaceport in Kourou MetOp-C is being prepared for launch. Six years after the launch of its predecessor MetOp-B the satellite will now join the other two MetOp satellites in polar orbit.  MetOp or the Meteorological operational satellite program is a collaboration between ESA and Eumetsat, European Organisation for the Exploitation of Meteorological Satellites and it forms the space segment of Eumetsat's Polar System. With the launch of MetOp-C Eumetsat ensures the continued delivery of  satellite observations and data services for weather prediction and climate monitoring to its users. |
| 10:00:53:01   * INT. Metop-C cleanroom – Arianespace - Kourou, Fench-Guiana – July 2018 - ESA | **ITW Stéfane Carlier, MetOp-C Project Manager - ESA**  *The main purpose of MetOp is to provide data for the numerical weather prediction. So essentially MetOp is providing temperature and Humidity profiles on the Atmosphere as well as wind speed and direction over the ocean.* |
| 10:01:10:01   * INT. TV Weather Report – Videoblocks * Animation. Weathermap – ECMWF – Summer 2018 * Animation – Metop-C flyby – 2018 – ESA * Animation – MSG satellite – unknown date – ESA * Animation – Metop-C turn manouvre – 2018 – ESA * INT. ECMWF server room – ECMWF, Reading UK – Summer 2018 * Animation. Worldmap temperate evolution – unknown date – NOAA/NASA * Animation – Metop-C 360 instrument – 2018 – ESA * Animation – NOAA/NASA Polar orbiting satellites – unknown date – NOAA/NASA | MetOp data can be used to make weather forecasts ranging from a few hours up to ten days. In fact the contribution of these polar orbiting satellites is so great that they account for thirty percent of the precision of numerical weather predictions. Together with the geostationary Meteosat satellites they form Europe’s pillars for operational meteorological satellites.  Since the launch of MetOp-A in 2006 the satellites have gathered already 12 years of continuous data on climate and weather, with many more years still to come. These long term datasets are important as they form the basis for monitoring our planet over long periods of time. They help us to better understand phenomena like climate change.  To observe our planet from space the MetOp satellites are equipped with no less than thirteen different observation instruments, some which are identical to instruments flown on the American NOAA polar orbiting satellites. |
| 10:02:08:18   * EXT. EUMETSAT HQ, control room – Darmstadt, Germany – summer 2018 - EUMETSAT | ITW Paul Counet, Head of strategy and International Relations - EUMETSAT *It is a part of what we call the initial joint polar system. So in 1998 Eumetsat and NOAA signed this cooperation agreement where three European satellites or three MetOp satellites where corresponding to three US Satellites and for these satellites we share instruments so that the user could get from both satellites the same types of info. So we try to create more synergies between the US and Europe and more benefits to our users* |
| 10:02:37:04   * INT. Metop-C in cleanroom – Arianespace - Kourou, Fench-Guiana – July 2018 – ESA * Animation – Metop-C instrument deployment – 2018 – ESA * Animation. Temperature map – ECMWF – Summer 2018 * Animation. Sea surface temperature map – unknown date – ESA * INT. Metop-C in cleanroom – Arianespace - Kourou, Fench-Guiana – July 2018 – ESA | One of the most important aspects of the MetOp platform is the synergy between its instruments. MetOp data from different instruments looking at the same area, at the same allows meteorologists to derive a wide range of crucial parameters for numerical weather models such as temperature and humidity.  Originally the MetOp programme consisted of three successive satellites to ensure continued data and services, whereby each satellite had an expended lifespan of 6 years. But with the launch of MetOp-C Europe will soon have three working MetOp satellites on orbit with MetOp-A having already doubled its projected lifespan. With MetOp-C this data collection will be expanded even further and well into the future. |
| 10:03:27:14   * INT. Metop-C cleanroom – Arianespace - Kourou, Fench-Guiana – July 2018 - ESA | **ITW Stéfane Carlier, MetOp-C Project Manager - ESA**  The MetOp was planned for a lifetime of 5 years. The first MetOp was launched in 2006 and still working very well. So euh now we are going to launch the third MetOp. The Purpose of the third MetOp is to ensure the continuity of this data until the launch of the next generation of MetOp, MetOp SG which is currently in development. And which will be launched in a 2021-2022 timeframe. |
| 10:03:55:09   * Animation – Metop-C 360 – 2018 – ESA * Still. MetOp Next Generation artist impression – unknown date – ESA * Animation – Metop-C solarpanel deployment – 2018 – ESA * INT. TV Weather Report – Videoblocks * EXT. Night city – videoblocks * EXT. truck on highway – videoblocks * EXT. Containership – videoblocks * EXT. aerial weatfield – videoblocks * EXT. Hurricane from space - videoblocks * Animation – Metop-C fly by – 2018 – ESA | With MetOp-C soon in orbit and MetOp SG, or second generation, in development the accuracy of numerical weather prediction and climate research will ever improve. Looking at different use cases for weather data, the social and economic importance of weather and climate can hardly be overstated. These govern our daily lives in transport, agriculture and disaster management. Satellites like MetOp keep us safe from space. |
| 10:04:25:12 | **B-ROLL** |
| 10:04:25:12   * INT. Metop-C cleanroom – Arianespace - Kourou, Fench-Guiana – July 2018 - ESA | **Stéfane Carlier, MetOp-C Project Manager, ESA**  **Soundbites**  **English**   * MetOp-C instrumets * MetOp history and future * MetOp contribution to numerical weather forecast |
| 10:06:01:21   * INT. Metop-C cleanroom – Arianespace - Kourou, Fench-Guiana – July 2018 - ESA | **Stéfane Carlier, MetOp-C Project Manager, ESA**  **Soundbites**  **French**   * MetOp-C main purpose * MetOp-C instruments * MetOp contribution to numerical weather forecast * MetOp contribution to numerical weather forecast |
| 10:07:44:22   * EXT. EUMETSAT HQ, control room – Darmstadt, Germany – summer 2018 - EUMETSAT | **Paul Counet**  **Head of strategy and International Relations - EUMETSAT**  **Soundbite**  **English**   * Collaboration between ESA and NOAA |
| 10:08:27:08   * INT. Metop-C cleanroom – Arianespace - Kourou, Fench-Guiana – July 2018 - ESA | **MetOp-C in Cleanroom**  **Arianespace**  **Kourou**  **July 2018** |
| 10:10:12:17   * Animation – Metop-C – 2018 – ESA | **MetOp-C**  **Animations** |
| **10:14:50:01** | **END** |