

Miratlas opens technical instrumentation platform at the Observatoire de Haute-Provence (OHP).

Pertuis, France, 21st of January 2025 — Miratlas is partnering with the CNRS by establishing itself at the Haute-Provence Observatory (OHP), renowned for its pioneering exoplanetary research, to advance astronomy through innovative technologies.

Miratlas is delighted to announce this strategic partnership, marking a significant step in strengthening our network and capabilities. By leveraging the state-of-the-art facilities of the OHP, Miratlas will host and test its latest atmospheric characterization instruments, the advanced SkyMonitors.

As part of this collaboration, Miratlas will benefit from a dedicated facility within the observatory, including access to a 15-meter-high tower. These resources will enable rigorous testing of our instruments under real-world conditions, both on the ground and atop the tower, ensuring optimal performance for atmospheric monitoring.

We are honored to collaborate with the esteemed OHP team and grateful to Marc Ferrari for allowing us to be part of such a historic and beautiful site. This partnership represents a unique opportunity to validate and refine cutting-edge technologies aimed at optimizing observation and data transmission conditions.

The installation of the SkyMonitors on the observatory's infrastructure will significantly accelerate our development process and strengthen our ability to contribute to advancements in astronomy and atmospheric research.

Check out the [live data from the Sky Monitor at the OHP](#).

About Miratlas :

Founded in 2018 by [Jean-Edouard Communal](#) and [Frédéric Jabet](#), Miratlas is a deep-tech company which designs, manufactures and sells the Sky Monitor, and provides continuous, real-time, atmospheric characterization and modelling of all the parameters impacting light transmission including cloud cover and turbulence.

Miratlas is enabling the new chapter of laser satellites communication (Fibre in the Sky), by facilitating Direct to Earth Free Space Optical Communications and the extension of the high-capacity terrestrial networks to space.

About OHP :

The Haute-Provence Observatory (OHP, OSU Pythéas - CNRS/AMU) is a CNRS scientific observation and experimentation site in the fields of astronomy, atmospheric studies and ecology.

Founded in 1937, the OHP is recognized for its excellence in astronomy, particularly in the search for exoplanets. The very first, 51Pegasi b, was discovered at the OHP in 1995 with the ELODIE spectrograph installed on the 1.93 m telescope by two Swiss astronomers, Michel Mayor and Didier Queloz, 2019 Nobel Prize winner in Physics.

The OHP is also renowned for monitoring and studying the atmosphere, since the 1970s, with lidars and high-performance instrumentation, observing greenhouse gases with the 100m-high ICOS tower, and studying the oak forest and biodiversity subject to climate change, with the O3HP platform.

Designated a historic monument since February 8, 2017, OHP and its telescopes are symbols of groundbreaking astronomy research.



Miratlas / CNRS-OHP



CNRS - OHP

The data were acquired on the CNRS/OHP site as part of the CNRS/MIRATLAS agreement