



## **The Kanzelhöhe Observatory**

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Kanzelhöhe Observatory (KSO; [kso.ac.at](http://kso.ac.at)) located in the South of Austria is part of the Institute of Physics of the University of Graz. Since the early 1940s, the Sun has been observed in various layers and wavelengths. Currently, KSO provides high-cadence full-disk observations of the solar disk in three wavelengths: H-alpha line, Ca II K line, white light. Real-time images are published online. For scientific use, the data is processed, and immediately available to the scientific community after each observing day via the Kanzelhöhe Online Data Archive archive (KODA; [kanzelhohe.uni-graz.at](http://kanzelhohe.uni-graz.at)). KSO is part of the Global H-Alpha Network and is also one of the contributing stations for the international sunspot number.

In the frame of ESA's Space Situational Awareness program, methods are currently under development for near-real image recognition with respect to solar flares and filaments. These data products will give valuable complementary information for the solar sources of space weather.