

AGILE Science Operation Center at SSDC: from raw data to online analysis tools.

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AGILE is a Scientific Mission of the Italian Space Agency (ASI) built and operated in cooperation with INAF and INFN, devoted to gamma-ray astrophysics.

The satellite has been in orbit since April 23rd, 2007. The AGILE Data Center, part of the multi-mission ASI Space Science Data Center ASI-SSDC (previously known as ASDC), is in charge of all the scientific oriented activities related to the processing, archiving, and distribution of AGILE data. Quicklook data analysis and fast communication of new transients are implemented as an essential part of the AGILE science program. One important service to the scientific community, characterizing all the SSDC supported missions, is to provide web tools enabling users to perform quick-look and preliminary on-line analysis of scientific data and cross-correlations at different wavelengths. I will present the AGILE data center main activities, with particular focus on Scientific Operations, multimessenger follow-up of gravitational waves and neutrinos, and User Support features.

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