



Global Precipitation Climatology Centre: Release of new Versions of global gridded Daily and Monthly Precipitation Analyses

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Founded in 1989, the Global Precipitation Climatology Centre (GPCC) provides globally gridded precipitation analyses based on in situ rain gauge measurements. The underlying precipitation database is the largest worldwide regarding number and length of the timeseries. The GPCC continuously expands the database with new stations and historical data as well as near real-time data. The contributions are mainly provided by the national meteorological and hydrological services of around 190 countries worldwide, but also from data collections of international projects. All incoming data (metadata and observations) undergo a semi-automatic quality control to ensure a high quality of GPCC's data sets.

Over the last months, new versions of three particular valuable data sets have been developed. In 2025, the GPCC released a new version of its Climatology called "GPCC Precipitation Analysis Climatology Version 2025", which includes 89'000 world wide stations (of which 3'000 have been added over the last 3 years). Further, the monthly dataset, starting in 1891, was updated. The new version of the former "Full Data Monthly" Product underwent two major changes. The first one is its name, now: "GPCC Precipitation Analysis Monthly Version 2025". Secondly, it is merged with the former "Monitoring Product". That means, that the "GPCC Precipitation Analysis Monthly Version 2025" was recalculated for 1891 - October 2025 and will be extended each month by another month, thus being near real-time from now on. In March 2026, GPCC will release also a new version of the former "Full Data Daily" Product, now "GPCC Precipitation Analysis Daily Version 2025". It will cover 1982 - 2025 and will include many new stations in different regions, which improve the quality of the analysis, e.g., in Columbia and Italy.

The new products, changes and improvements in comparison to the previous version will be presented.

All gridded data sets presented are freely available in netcdf format on the GPCC website <https://gpcc.dwd.de> and referenced by a digital object identifier (DOI). The site also provides an overview of all data sets, as well as a detailed description and further references for each data set.