

Reference measurements for WMO/CIMO SPICE and on-going projects at the Formigal-Sarrios field site



A WMO-SPICE site has been set up by 2013 → AEMET experimental site

Brief description

1. Located in the Pyrenees range at 1800 m a.s.l.
2. Subalpine environment with no vegetation
3. More than 17 automatic devices measuring snow on the ground, snow water equivalent, precipitation, air temperature, wind, air pressure, visibility, type of precipitation and radiation
4. Large quantity of snowfalls. Maximum measured snow depth of 300 cm
5. DFIR (Double Fence Intercomparison Reference)

Projects

1. Impact of snow on UV Radiation (AEMET Radiation Department)
2. Impact of undercatch of snowfall on water resources and (AEMET-Ebro Basin Hydrological Service)
3. Measurement of snowfall using disdrometers (AEMET-MeteoSwiss)
4. Impact of wind speed and wind direction in the measurement of Snowfall using disdrometers (AEMET-Spanish Research Council)
5. Cryonet station for the WMO-Global Cryosphere Watch

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