

Name of research institute or organization:

Surface Meteorological Networks, MeteoSwiss, Payerne

Title of project:

Operation of a meteorological station at high altitude in the Alps

Project leader and team:

Dr. Christian Félix, head of surface networks, MeteoSwiss
Gilles Durieux, Bertrand Equey and the surface networks team

Project description:

MeteoSwiss operates an automatic meteorological station at the Jungfraujoch Observatory and services the instrumentation for the Global Atmosphere Watch Radiation Measurements Project.

Very few interventions were necessary in 2012, which demonstrates again the very high reliability of this equipment despite demanding meteorological conditions.

In December 2012 a new instrument (a SPN1 from DeltaT) that measures the global and diffuse short wave radiation as well as the sunshine duration, was installed on the radiation bridge.



Figure 1: New instrument (SPN1 by DeltaT) installed on the radiation bridge.

The support from the custodians for various tasks (cleaning radiation instruments, resetting the acquisition electronics, resetting the electric power ...) is gratefully acknowledged.

Key words:

Wind, temperature, sunshine duration, solar radiation, pressure, relative humidity

Internet data bases:

http://www.meteoschweiz.admin.ch/web/en/meteoswiss/international_affairs/GAW/GAW_C_H.html

http://www.meteoschweiz.admin.ch/web/en/weather/current_weather.par0001.html?region=8&station=JUN

Address:

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