

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.

While in 2013 only preventive maintenance interventions were necessary, due to the very high reliability of the installed equipment, we expect much more activity in 2014. MeteoSwiss will renew and extend the measuring bridge on the Sphinx platform (see picture). At the same time, a bulk part of the measuring infrastructure (cables, loggers, etc.) will be renewed. A very careful preparation for this operation was done in Payerne during the year 2013.



Figure 1. Radiation bridge to be renewed and extended in 2014.

The support from the custodians for various tasks (cleaning radiation instruments, resetting the acquisition electronics, resetting the electric power, etc.) 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_CH.html

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

Address:

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