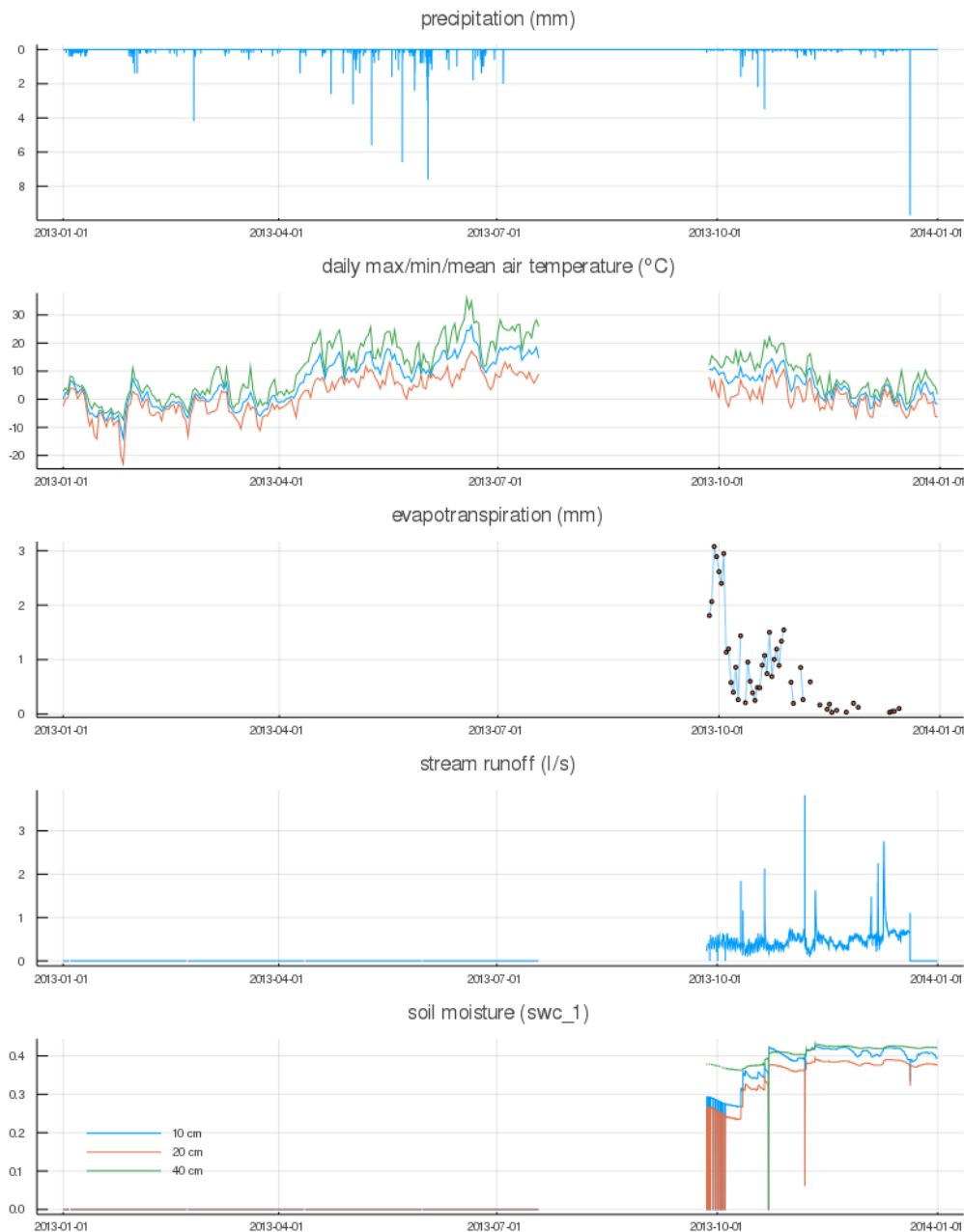


Data description for Nučice catchment 2013

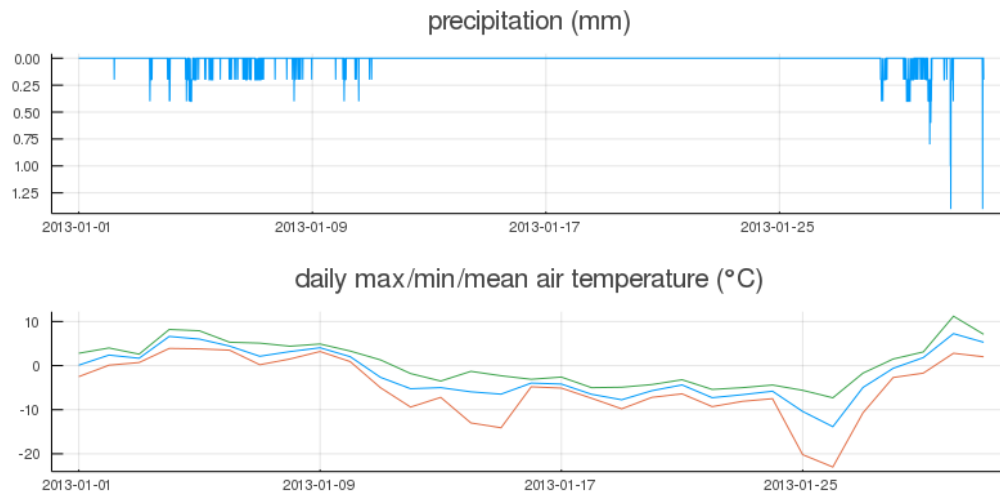
1. Summary



Precipitation and temperature were recorded for most of the year (There is a data gap between the end of July till the end of September). Reference evapotranspiration, stream discharge, and soil moisture were measured since the end of September. The highest precipitation is 9.7mm (in December) and the largest discharge is 3.84 l/s (in November). The lowest/highest temperature were -23.0 °C (in January) and 36.0 °C (in June), respectively.

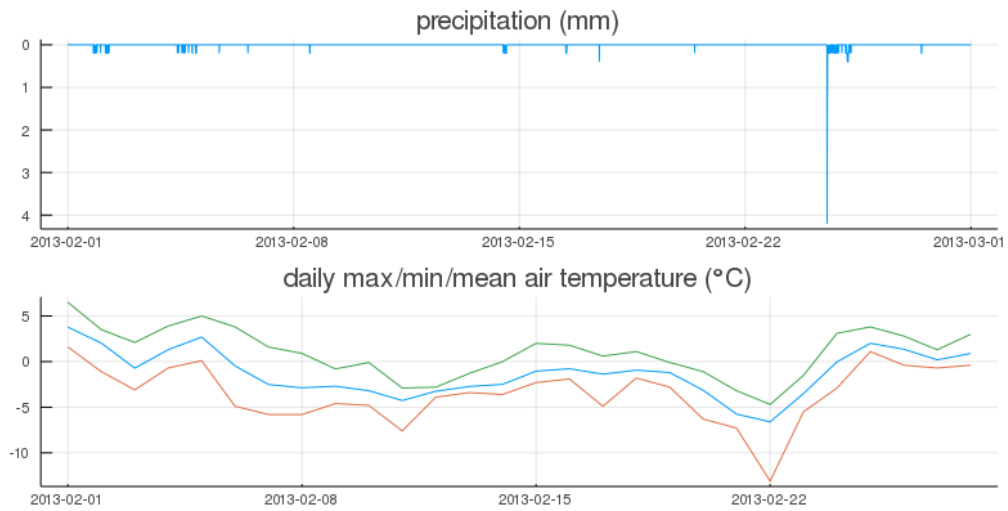
2. Monthly analysis

2.1. January



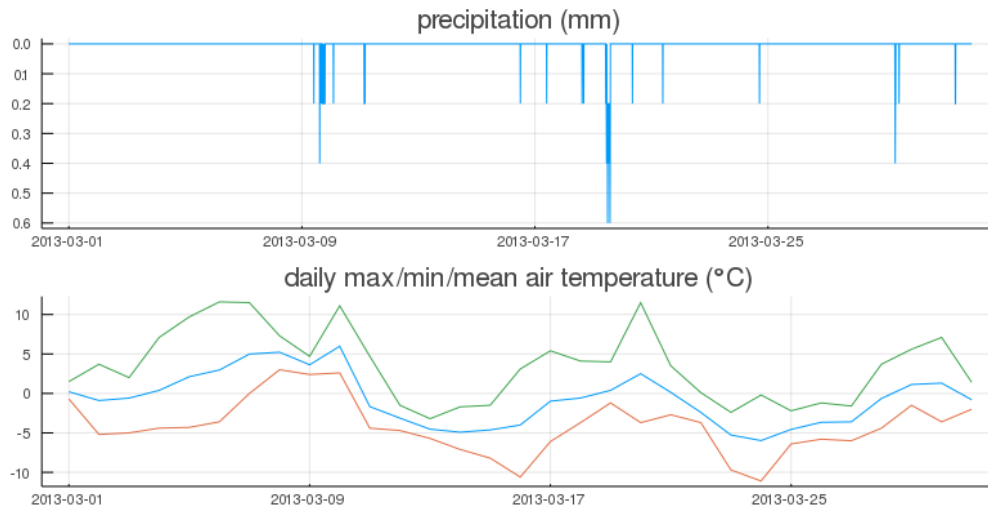
Only precipitation and temperature data were recorded for this month. The average monthly precipitation is about 0.013 mm, the maximum precipitation is 1.4 mm. The mean temperature is -1.9 °C. The minimum and maximum temperature are -23.0 °C and 11.2 °C.

2.2. February



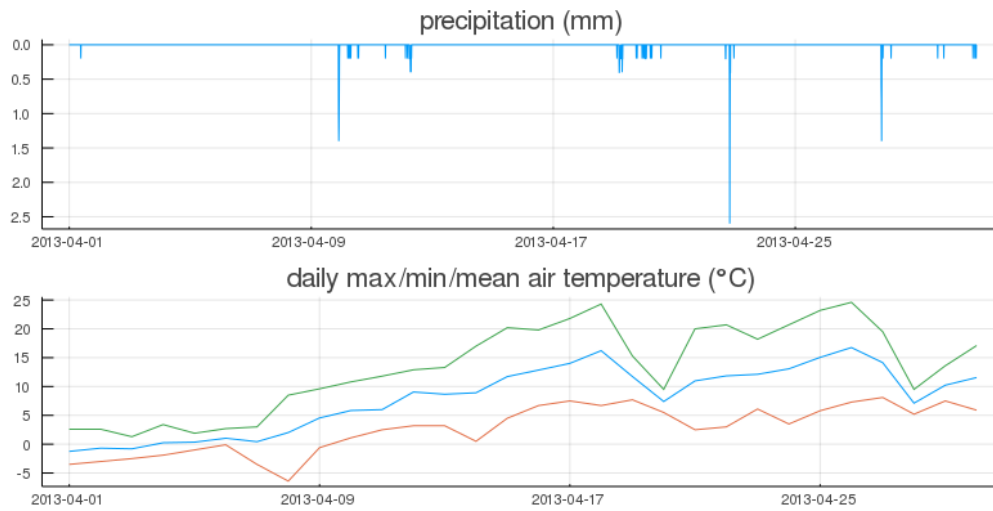
Only precipitation and temperature data were recorded for this month. The average monthly precipitation is about 0.006 mm, the maximum precipitation is 4.2 mm. The mean temperature is -1.3 °C. The minimum and maximum temperature are -13.1 °C and 6.5 °C.

2.3. March



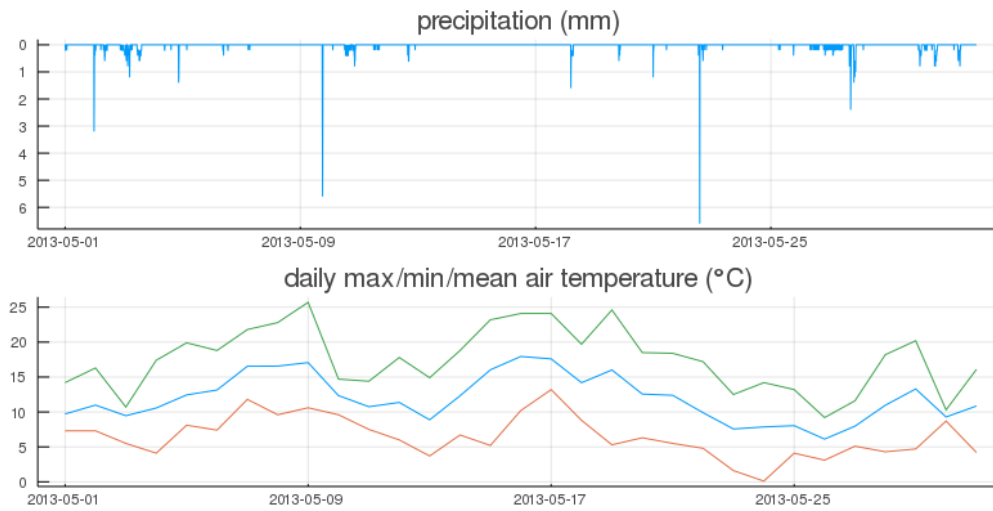
Only precipitation and temperature data were recorded for this month. The average monthly precipitation is about 0.003 mm, the maximum precipitation is 0.6 mm. The mean temperature is -0.7 °C. The minimum and maximum temperature are -11.1 °C and 11.6 °C.

2.4. April



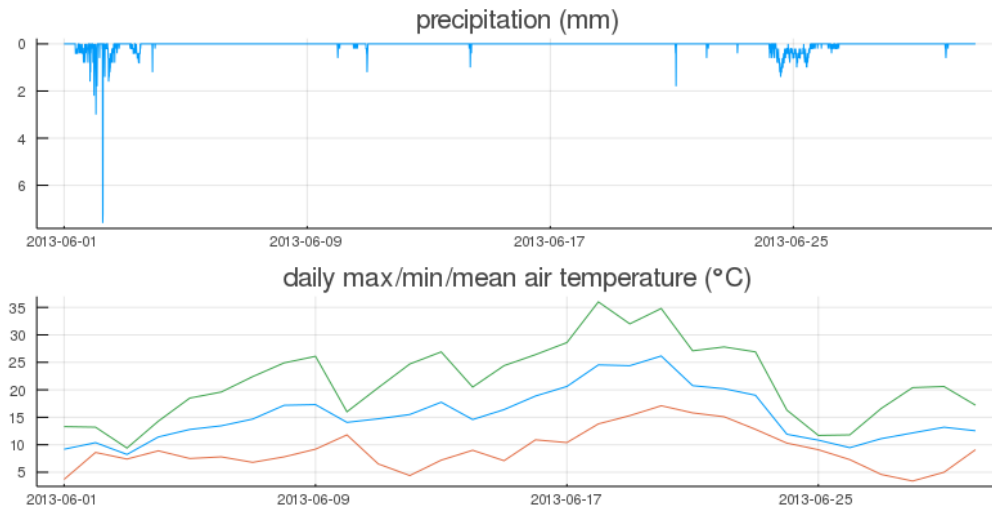
Only precipitation and temperature data were recorded for this month. The average monthly precipitation is about 0.006 mm, the maximum precipitation is 2.6 mm. The mean temperature is 8.0 °C. The minimum and maximum temperature are -6.4 °C and 24.6 °C.

2.5. May



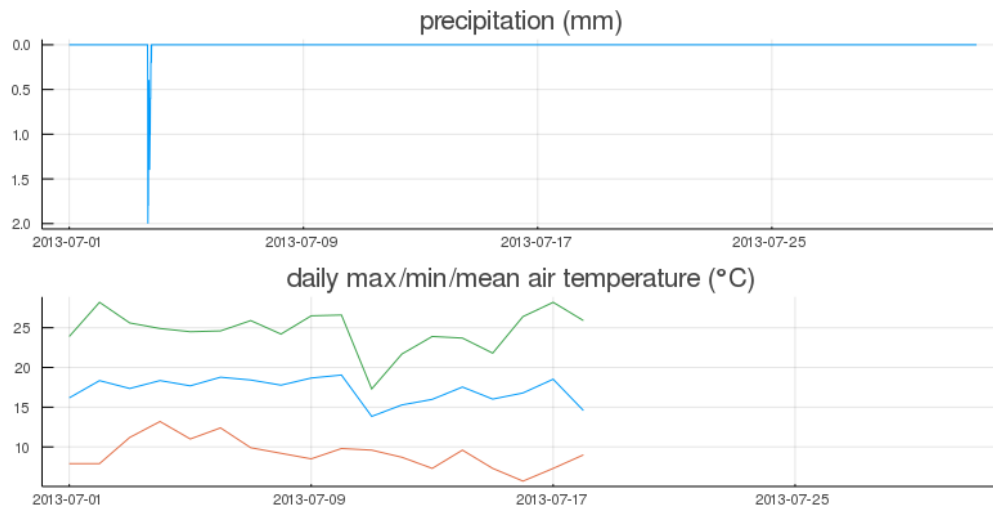
Only precipitation and temperature data were recorded for this month. The average monthly precipitation is about 0.027 mm, the maximum precipitation is 6.6 mm. The mean temperature is 11.9 °C. The minimum and maximum temperature are 0.1 °C and 25.7 °C.

2.6. June



Only precipitation and temperature data were recorded for this month. The average monthly precipitation is about 0.048 mm, the maximum precipitation is 7.6 mm. The mean temperature is 15.4 °C. The minimum and maximum temperature are 3.4 °C and 36.0 °C.

2.7. July

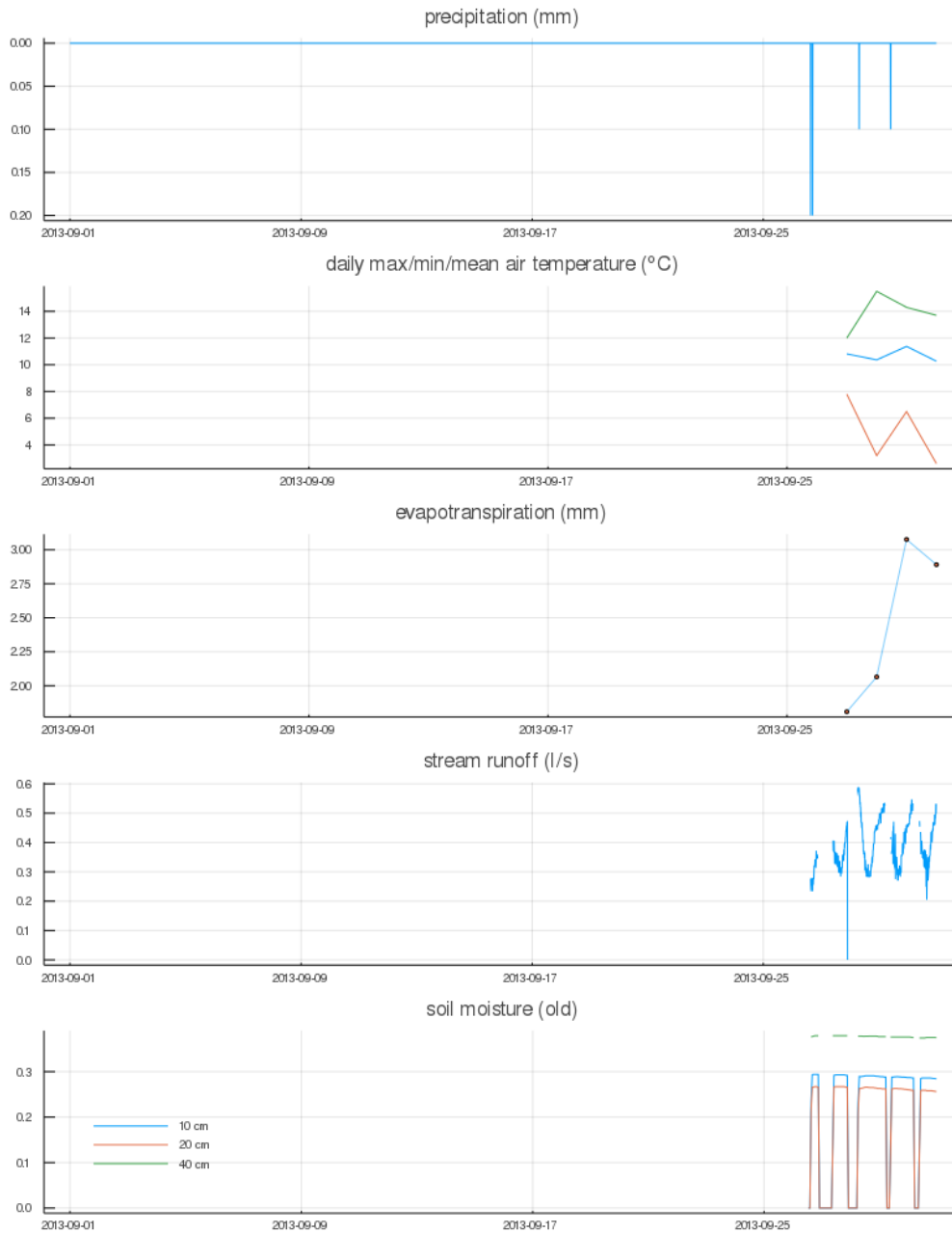


Only precipitation and temperature data were recorded for this month. The average monthly precipitation is about 0.003 mm, the maximum precipitation is 2.0 mm. The mean temperature is 17.2 °C. The minimum and maximum temperature are 5.7 °C and 28.2 °C. The data in this month is not completely recorded. There is a data gap in the end of the month.

2.8. August

There is no data recorded in this month. (Data gap)

2.9. September



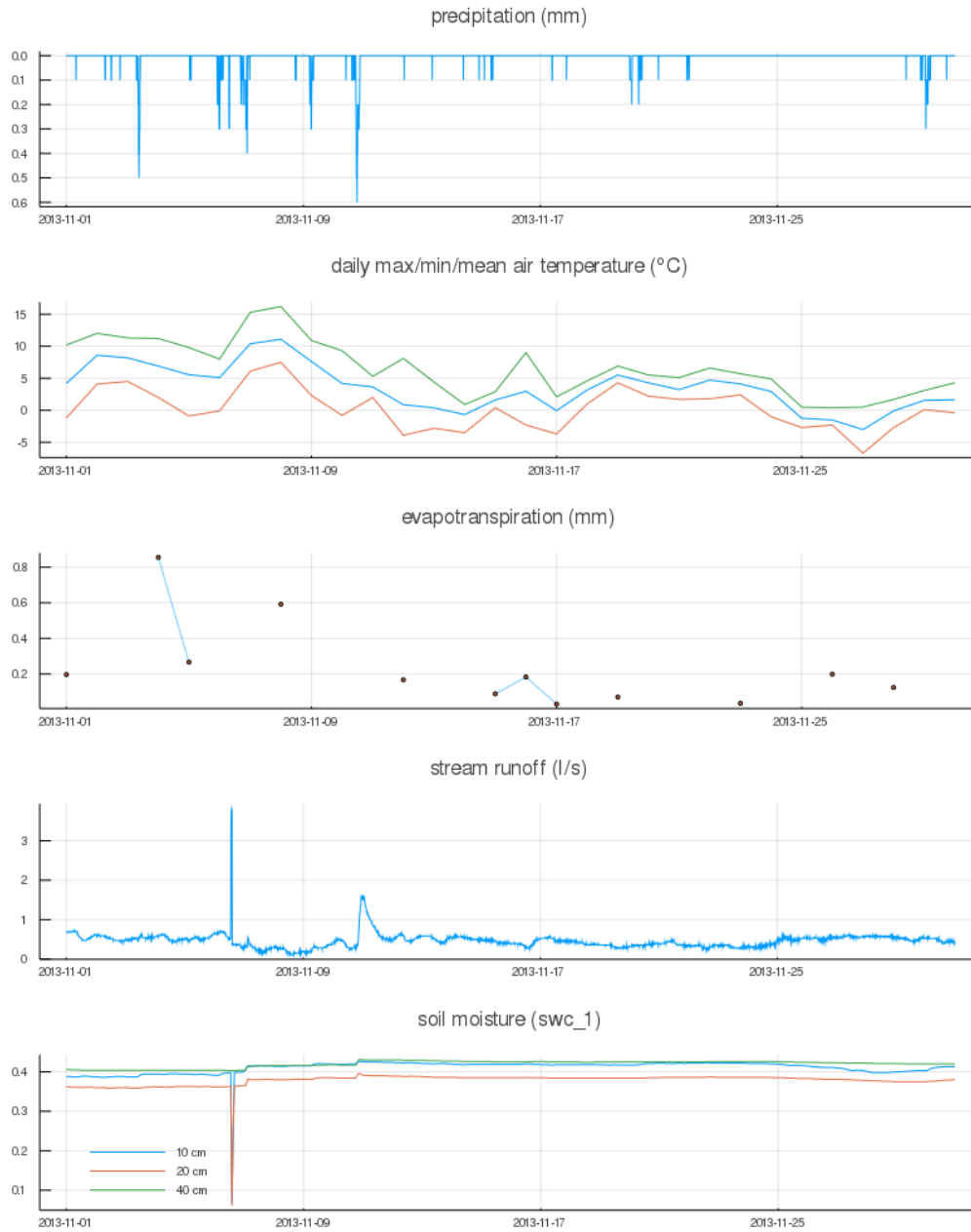
The data has only been recorded in the end of this month. The recorded data includes precipitation, temperature, evapotranspiration, stream discharge at the outlet, and soil water content at 3 depths. The average monthly precipitation is about 0.0001 mm, the maximum precipitation is 0.2 mm. The mean temperature is 10.7 °C. The minimum and maximum temperature are 2.6 °C and 15.5 °C. The mean reference evapotranspiration is about 2.46 mm/day. The stream discharge was fluctuating diurnally, and the amplitude was about 0.2 l/s. The mean discharge is about 0.36 l/s, and maximum discharge is 0.59 l/s. Soil moisture sensors were just deployed and some measurement errors has occurred.

2.10. October



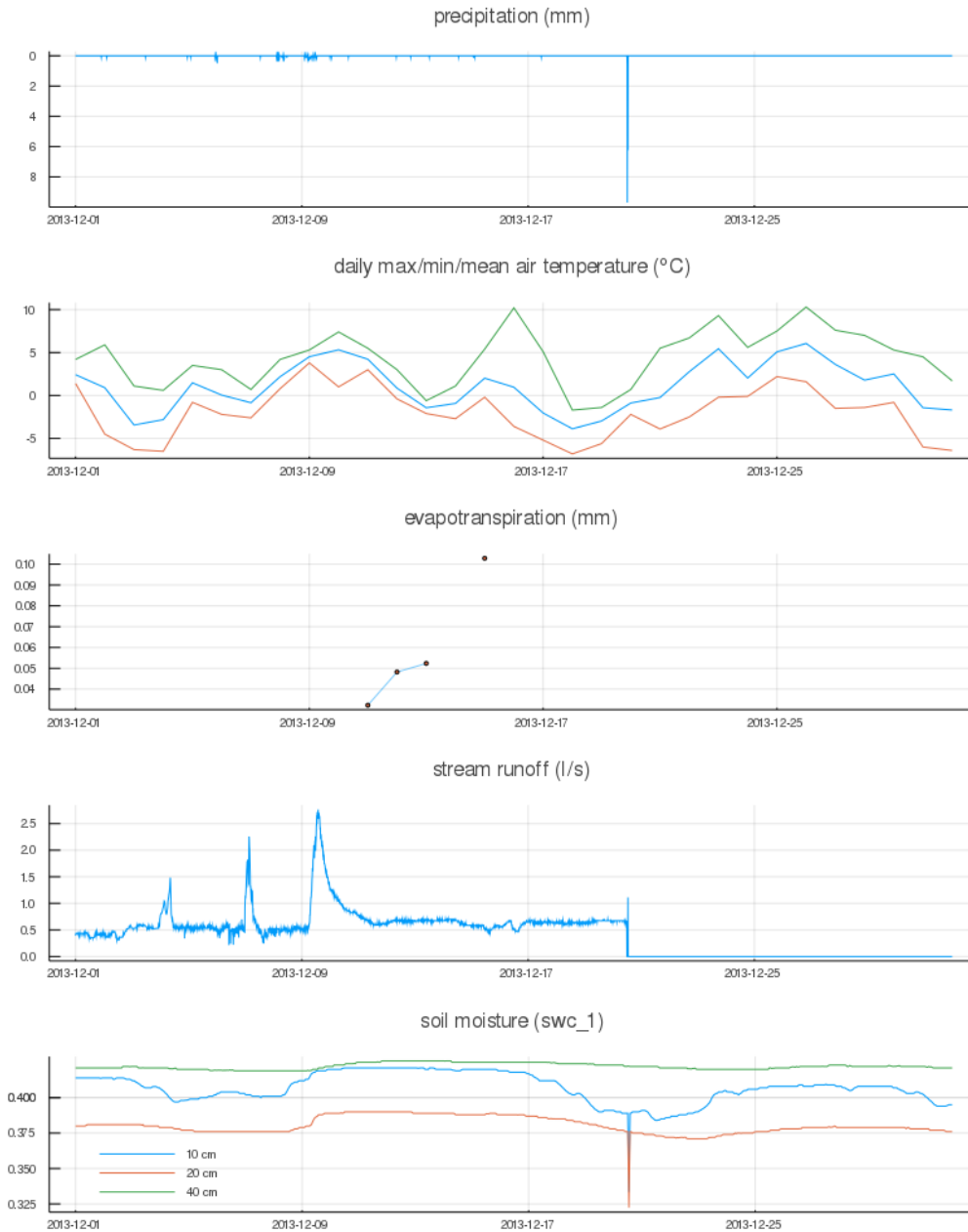
The recorded data includes precipitation, temperature, evapotranspiration, stream discharge at the outlet, and soil water content at 3 depths. The average monthly precipitation is about 0.009 mm, the maximum precipitation is 3.5 mm. The mean temperature is 9.0 °C. The minimum and maximum temperature are -3.1 °C and 22.2 °C. The mean reference evapotranspiration is about 1.02 mm/day. The stream discharge was fluctuating diurnally, and the amplitude was about 0.2-0.3 l/s. The mean discharge is about 0.39 l/s, and maximum discharge is 2.13 l/s. Soil moisture sensors had some measurement errors in the beginning of the month.

2.11. November



The recorded data includes precipitation, temperature, evapotranspiration, stream discharge at the outlet, and soil water content at 3 depths. The average monthly precipitation is about 0.007 mm, the maximum precipitation is 3.5 mm. The mean temperature is 3.5 °C. The minimum and maximum temperature are -6.7 °C and 16.2 °C. The mean reference evapotranspiration is about 0.23 mm/day. The diurnal fluctuation of stream discharge was not so clear in this month. The mean discharge is about 0.46 l/s, and maximum discharge is 3.82 l/s. Soil moisture dynamic was relatively stable.

2.12. December



The recorded data includes precipitation, temperature, evapotranspiration, stream discharge at the outlet, and soil water content at 3 depths. The average monthly precipitation is about 0.007 mm, the maximum precipitation is 9.7 mm. The mean temperature is 1.0 °C. The minimum and maximum temperature are -6.8 °C and 10.3 °C. The mean reference evapotranspiration is about 0.05 mm/day (only a few days data were recorded). The diurnal fluctuation of stream discharge was not so clear in this month. There has been a measurement error of discharge after the heavy rainfall in the end of the month. The mean discharge is about 0.41 l/s, and maximum discharge is 2.76 l/s. The soil moisture in the topsoil was more dynamic than the subsoil.