**Soil temperature and moisture data - Snow Fence**

The distance of soil temperature and moisture sensors to snow fence are **0m, 2.5m, 5m, 10m, 20m and one control is located at the upside** without influence of snow fence. The **depth are 5cm, 10cm and 20cm**. When we analysis, we can choose data at **2.5m as SH**, and data at both **20m and upside as control**.

But sometimes the instruments went wrong when the temperature was extremely low or batteries energy was over.

So I checked the data and made some notes in “wrong”, “tem-10cm too high” “tem-5cm-wrong”, “only 2 data”, “tem-20cm-wrong-too high” at the last column. Should we delete the wrong data and use average data? Or other fix method？The issues are as follows:

Thanks Aud.

**2.5m (from Snow Fence)，As SH**

**2012.12.16 - 2016.09.10**

Wrong：2015.1.19-2015.1.30，2015.11.18, 2016.4.15

tem-10cm too high：2016.1.26-2016.2.26

Lack：2015.1.30-2015.5.8；2016.4.15-2016.6.21

**20m (from Snow Fence), As CK**

**2013.03.21-2016.09.10**

Wrong：2014.11.3, 2014.11.6-2014.11.8

Lack：2013.9.21-2014.8.24；2014.11.8-2015.5.8

**CK (Aside of snow fence)**

**2012.12.16-2016.09.10**

Wrong：part of 2016.11.26-2016.11.30

Lack：2013.11.30-2014.1.25**；2014.9.4-2016.4.18**（only two records on 2015.12.2）

tem-20cm-wrong-too high：2014.6.30-2014.8.14

tem-5cm-wrong：2014.9.2-2014.9.4

**Snow depth data - Snow Fence**

**2014.01.13-2016.09.10**

**Lack：**2014.4.30-2014.8.24 and 2014.10.26-2015.1.24 (in snow fence and control)

2016.02.27-2016.9.10 (in control, the sensor was broken)

**Issue:** The instrument can measures the snow depth by infrared ray, but it’s also recorded some plant height.