

Intercomparison of snowfall measurements using disdrometers in two mountainous environments: Weissfluhjoch (Switzerland) and Formigal -Sarrios (Spain)



Formigal Sarrios 1800 m asl

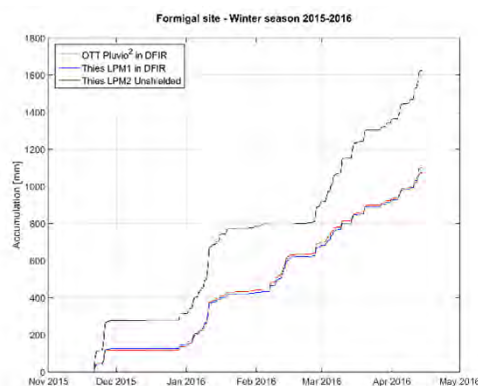


Weissfluhjoch 2400 m asl

1. Two SPICE sites with similar design, especially the reference DFIR.
2. Moreover, the alpine environment of both sites (siting) is similar.
3. Instrument under test: Thies LPM

Is the measurement of solid precipitation accumulation with disdrometers influenced by configuration (shielding, unshielding, DFIR) and specific weather conditions ?

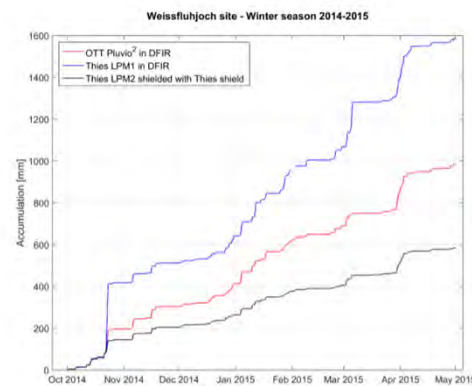
YES



Formigal 2015 - 2016

OTT Pluvio² and Thies_LPM1 inside DFIR

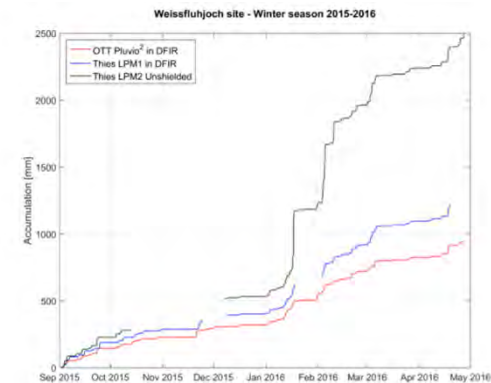
Thies_LPM2 unshielded outside DFIR



Weissfluhjoch 2014-2015

OTT Pluvio² and Thies_LPM1 inside DFIR

Thies_LPM2 shielded outside DFIR



Weissfluhjoch 2014-2015

OTT Pluvio² and Thies_LPM1 inside DFIR

Thies_LPM2 unshielded outside DFIR

