Simulation of availability of WINDCUBE® v2 measurement under different atmospheric conditions

\[ \log_{10}(\beta) = \log_{10}(\alpha / 40) \]
Experimental data for availability & accuracy under a range of standard atmospheric conditions (cloud, rain, different atmospheric stabilities...)

- **Typical availability at Hovsore (Risoe test site in Denmark):**

  3 months of data = 14288 10min samples @10 different heights

  Graph beside is a time-serie showing the availability of the maximum height: red is 200m

  @116m: 98% of 10min data shows an availability (leosphere QF) higher than 50%

  @200m: 90% of 10min data shows an availability (leosphere QF) higher than 50%

- **Impact of rain on measurement deviation:**

  WINDCUBE to cup deviation @135m vs. Rain sensor

  Max. influence from rain is here below 0.1%