Atmos. Meas. Tech. Discuss.,
doi:10.5194/amt-2019-462-AC1, 2020
© Author(s) 2020. This work is distributed under
the Creative Commons Attribution 4.0 License.

Atmospheric Measurement Techniques Discussions

Interactive comment on "Toward a variational assimilation of polarimetric radar observation in a convective scale NWP model" *by* Guillaume Thomas et al.

Guillaume Thomas et al.

guillaume.thomas@meteo.fr

Received and published: 13 February 2020

First of all, I wanted to acknowledge for the comments which helped to improve the manuscript.

Concerning the typo at line 325, it is corrected as follow: "Concerning ZDR, first guess and observation distributions (Fig. 7c and d respectively) appear to be quite different."

Concerning the Figure 7, I took your advice in consideration by adding more space between the different sub-figures, and by printing titles with bold font only. I also applied the same corrections for the Figure 8 (see figures attached with this present answer).

Interactive comment on Atmos. Meas. Tech. Discuss., doi:10.5194/amt-2019-462, 2019.

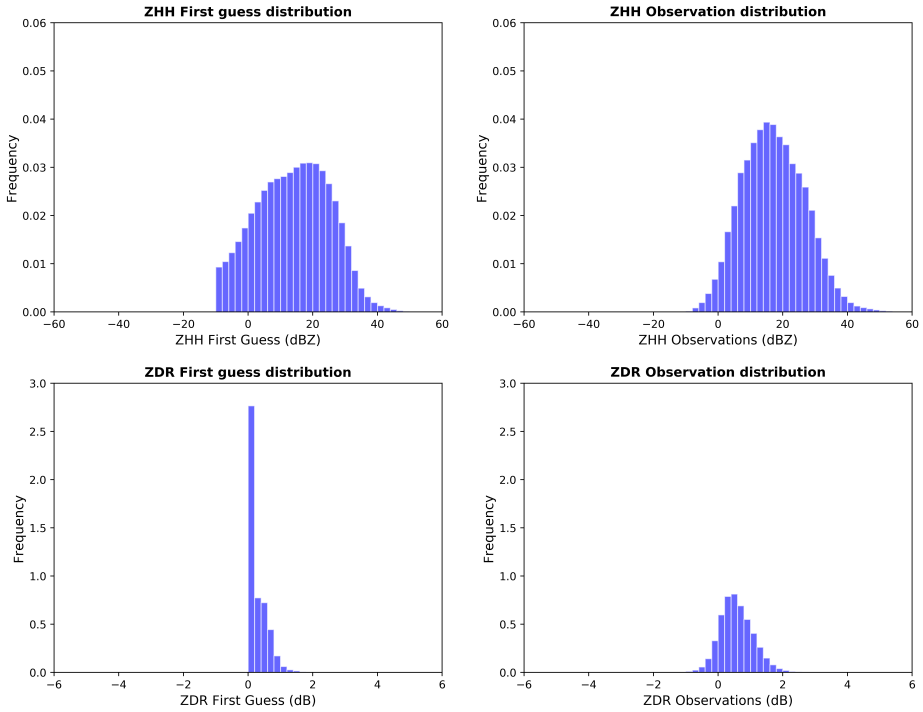
ZHH First guess distribution
ZHH First Guess (dBZ)
ZHH Observation distribution
ZHH Observations (dBZ)
ZDR First guess distribution
ZDR First Guess (dB)
ZDR Observation distribution
ZDR Observations (dB)
Frequency

Fig. 1.

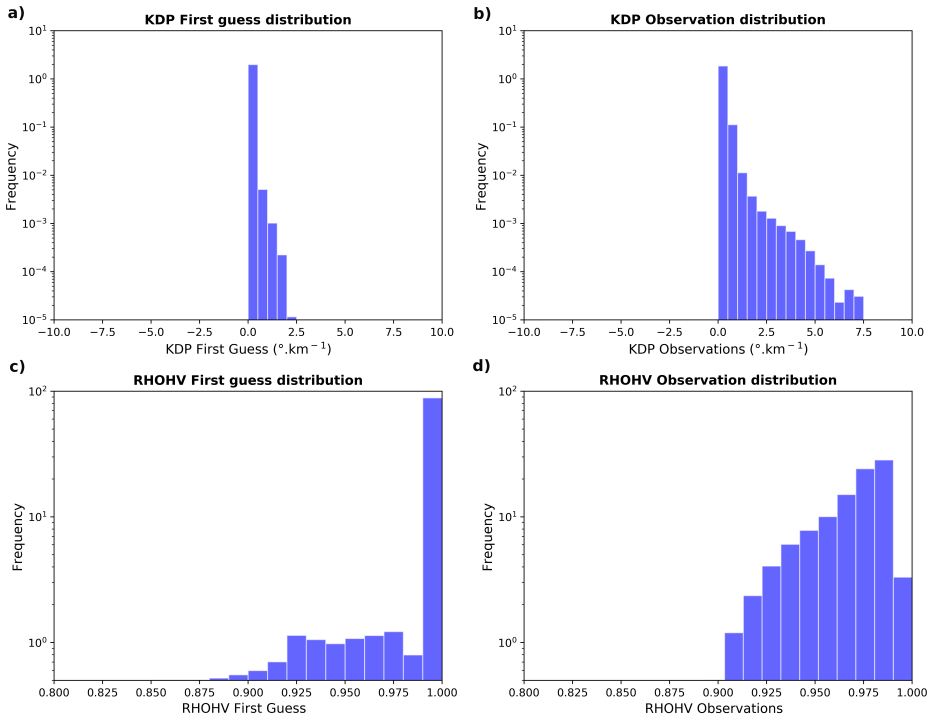
a)
KDP First guess distribution
KDP First Guess (°.km⁻¹)
b)
KDP Observation distribution
KDP Observations (°.km⁻¹)
c)
RHOHV First guess distribution
RHOHV First Guess
d)
RHOHV Observation distribution
RHOHV Observations
Frequency

Fig. 2.