Atmos. Meas. Tech. Discuss.,
doi:10.5194/amt-2016-320-SC2, 2016
© Author(s) 2016. CC-BY 3.0 License.

Atmospheric Measurement Techniques Discussions

Interactive comment on "VHF antenna pattern characterization by the observation of meteor head echoes" *by* Toralf Renkwitz et al.

T. Renkwitz

renkwitz@iap-kborn.de

Received and published: 28 November 2016

Unfortunately missed to add the figure previously. It's an additional figure as suggested by Referee #2 to introduce the reader to such events, presenting a rather exceptionally long lasting meteor head echo seen by the MAARSY radar on January 5th, 2014. Left panel: detected signal-to-noise ratio over time for a zenith pointing beam position, Right panel: position of the corresponding meteor head echo trajectory in zenith angle (x, y) with color coded altitude. Large circle lines indicate the simulated first null (red) of the simulated radiation pattern and the first side lobe (black). The red asterisk exemplary mark the single position of a detected specular meteor in contrast to the multi-point meteor head echo trajectory.

Interactive comment on Atmos. Meas. Tech. Discuss., doi:10.5194/amt-2016-320, 2016.

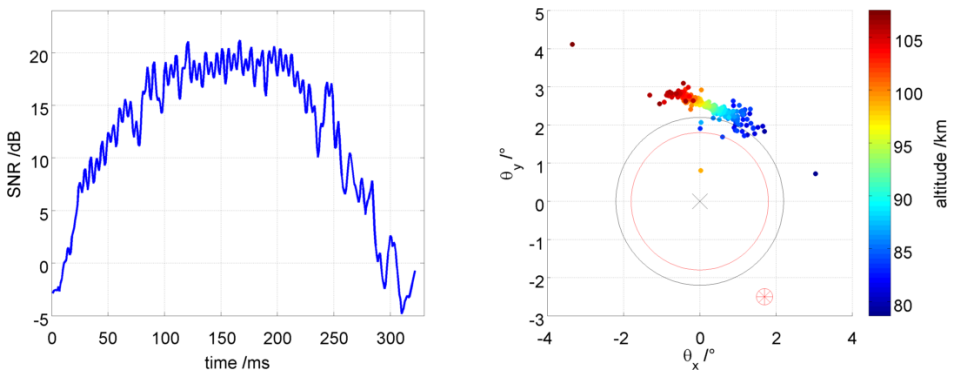

Fig. 1.