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Interactive comment on "Satellite data assimilation to improve forecasts of volcanic ash concentrations" *by* Guangliang Fu et al.

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Dear Anonymous Reviewer2,

For the question "P 2, L 19-21: Don't forget about other ground based remote sensing techniques besides LIDAR", in our previous answer, ceilometers (automated one-wavelength backscatter lidars), as one important type of measurements were not mentioned, which are available as networks (the German weather service currently implemented almost 100 systems).

We include these important measurements in the paper now:
" The measurements contained e.g., ground-based LIDAR and ceilometer measurements (Pappalardo et al., 2010; Wiegner et al., 2012), satellite observations (Stohl et al., 2011; Prata and Prata, 2012), aircraft in situ measurements (Schumann et al.,

2011; Weber et al., 2012), ground-based in situ measurements (Emeis et al., 2011), balloon measurements (Flentje et al., 2010) and ground-based remote sensing Sun photometer observations (Ansmann et al., 2010). "

Best wishes, Guangliang on behalf of all co-authors

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