

## Review for Atmospheric Measurement Techniques

Title: Exploring geometrical stereoscopic aerosol top height retrieval from geostationary satellite imagery in East Asia

By Minseok Kim, et al.

### **General comments:**

This study assessed the application of different viewing geometries for a pair of geostationary imagers, AHI-AGRI and AHI-AMI to retrieve aerosol top height (ATH) information. The stereoscopic algorithm is presented, which converts the lofted aerosol layer parallax, calculated using image-matching of two visible images, to ATH.

During the reviewing process, the main following improvements have been done:

- The retrieval algorithm has been changed: Extinction weighted mean height has been generated.
- Error analysis has been conducted.

However, error analysis results (figs. AR1-AR4 + discussion) were not included into the manuscript.

Those changes allow considering the manuscript for publication in the AMT, after following comments have been addressed:

- including error analysis results into the manuscript
- thorough revision of the references. E.g., Kim et al., 2008, Lim et al., 2018, Zoogman et al., 2011, Merucci et al., 2016, etc., are missing in References.
- Last access date should be added to all web links (e.g., KALION, Line 155)