

## Review

Review for manuscript

**"Increase in precipitation scavenging contributes to long-term reductions of light-absorbing aerosol in the Arctic."** by Heslin-Rees et al.

### General Comments

Thank you for your detailed responses and implementing the feedback you received. I believe you have contributed an excellent study to the scientific literature.

There remains just one important, and a few smaller comments, which I urge you to implement before publication

Main Manuscript

**Specific comments** (Numbers refer to Line numbers in the revised manuscript PDFs)

Regarding the use of the GFED fire emission inventory, you really need to specify the exact version you used, i.e. GFEDv4.1s, since "The fourth version of the GFED" is technically GFEDv4 and does not necessarily include small fires (see:

[https://daac.ornl.gov/VEGETATION/guides/fire\\_emissions\\_v4\\_R1.html](https://daac.ornl.gov/VEGETATION/guides/fire_emissions_v4_R1.html)).

### Technical corrections

Line 24: forces -> forcers

Line 443: follow instructions of red text, then delete red text

Supplementary Information

### General Comments

None

### Specific comments

None

### Technical corrections

Figure S16: follow instructions of red text, then delete red text

### Recommendation

I recommend publication.

### References

None