

Interactive comment on “Impacts of an Intense Wildfire Smoke Episode on Surface Radiation, Energy and Carbon Fluxes in Southwestern British Columbia, Canada” by Ian G. McKendry et al.

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We thank the three reviewers for their positive and constructive comments. We are currently formulating a detailed response that addresses the issues raised. In particular we are preparing supplementary materials including a large table that provides details on the instrumentation and methods used. We also propose to add further materials and clarifications regarding other points raised. (e.g. a cloudy day for comparison purposes. Note, a clear day example is already provided). The concern raised regarding the short duration of the event is interesting, and one that we grappled with ourselves. On one hand, we feel that in western North America, short events such as the one

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described are not uncommon due to mid-latitude synoptic variability. The example examined is therefore somewhat representative and offers the opportunity to explore the rapidity of ecosystem response. That said, significantly longer events would allow more robust conclusions to be drawn. An unusually long (two weeks), but less intense, smoke event in 2017 is currently under investigation for this reason. We welcome more discussion around this issue.

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