

Interactive comment on “Using ^{14}C , ^{13}C , ^{18}O and ^{17}O isotopic variations to provide insights into the high northern latitude surface CO inventory” by T. Röckmann et al.

Anonymous Referee #1

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This paper uses the isotopes of carbon and oxygen to determine the likely sources of carbon monoxide. The data reported here show the value of sampling at seemingly comparable locations over several years and the value of utilizing a full suite of analytical techniques to efficiently assess these samples. The time series gives a record of inter-annual variability and the comparison and contrast between the two sites provides an insight in to the sources of carbon monoxide in this region, clearly showing the impact of transport and biomass burning.

Interactive comment on Atmos. Chem. Phys. Discuss., 2, 213, 2002.

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Original Paper