



Supplement of

Technical note: The CAMS greenhouse gas reanalysis from 2003 to 2020

Anna Agustí-Panareda et al.

Correspondence to: Anna Agustí-Panareda (anna.agusti-panareda@ecmwf.int)

The copyright of individual parts of the supplement might differ from the article licence.

Catalogue of AirCore vertical profiles (from NOAA_AirCore_data_v20210813 dataset, Baier et al., 2021) used for the evaluation in Sect. 3.2.

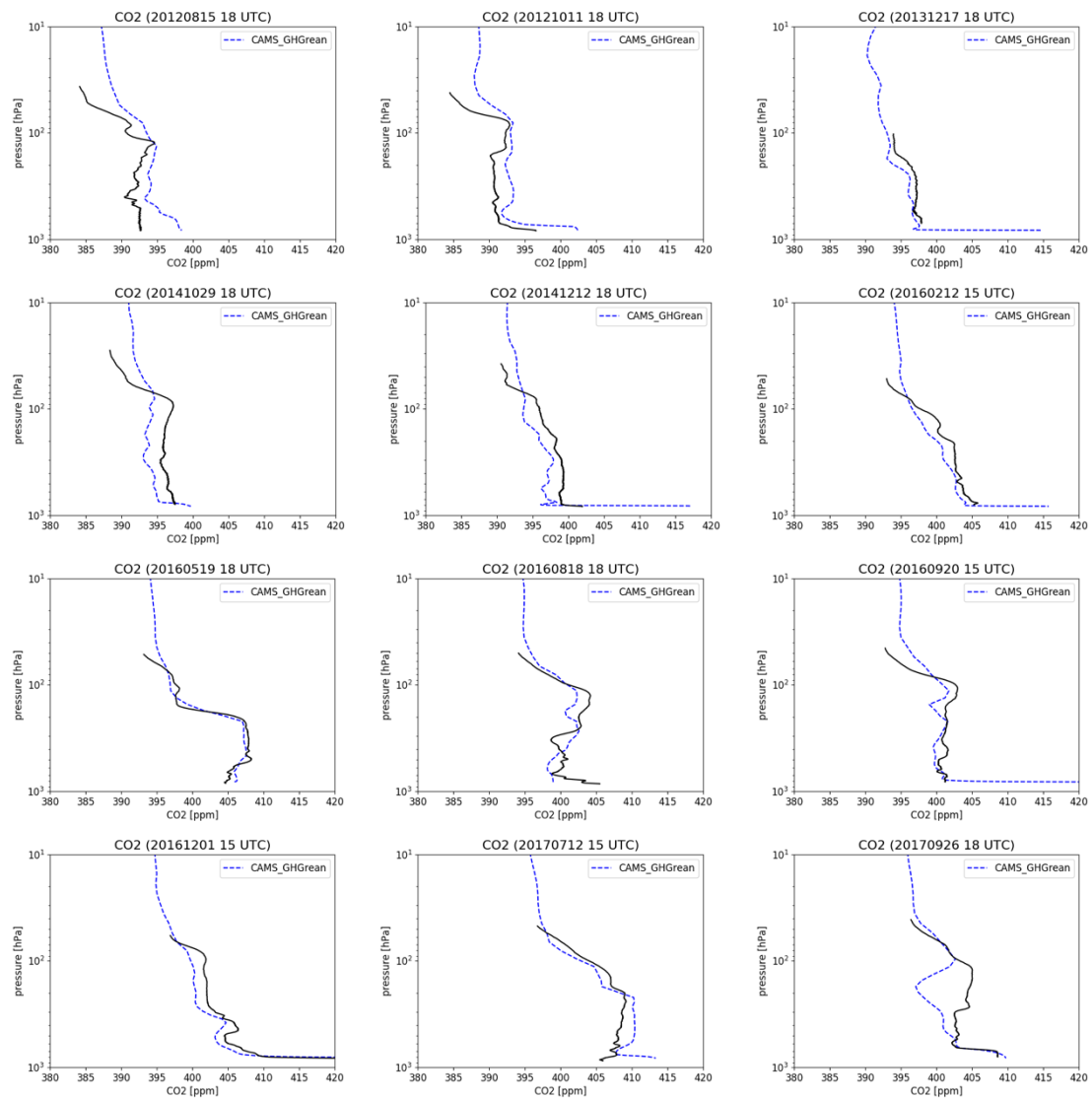


Fig S1a Vertical mole fraction profiles of CO₂ from the CAMS GHG reanalysis (dash line) and AirCore observations (solid line) at Boulder (CO, USA, see Table A3) (*continued in the next page*).

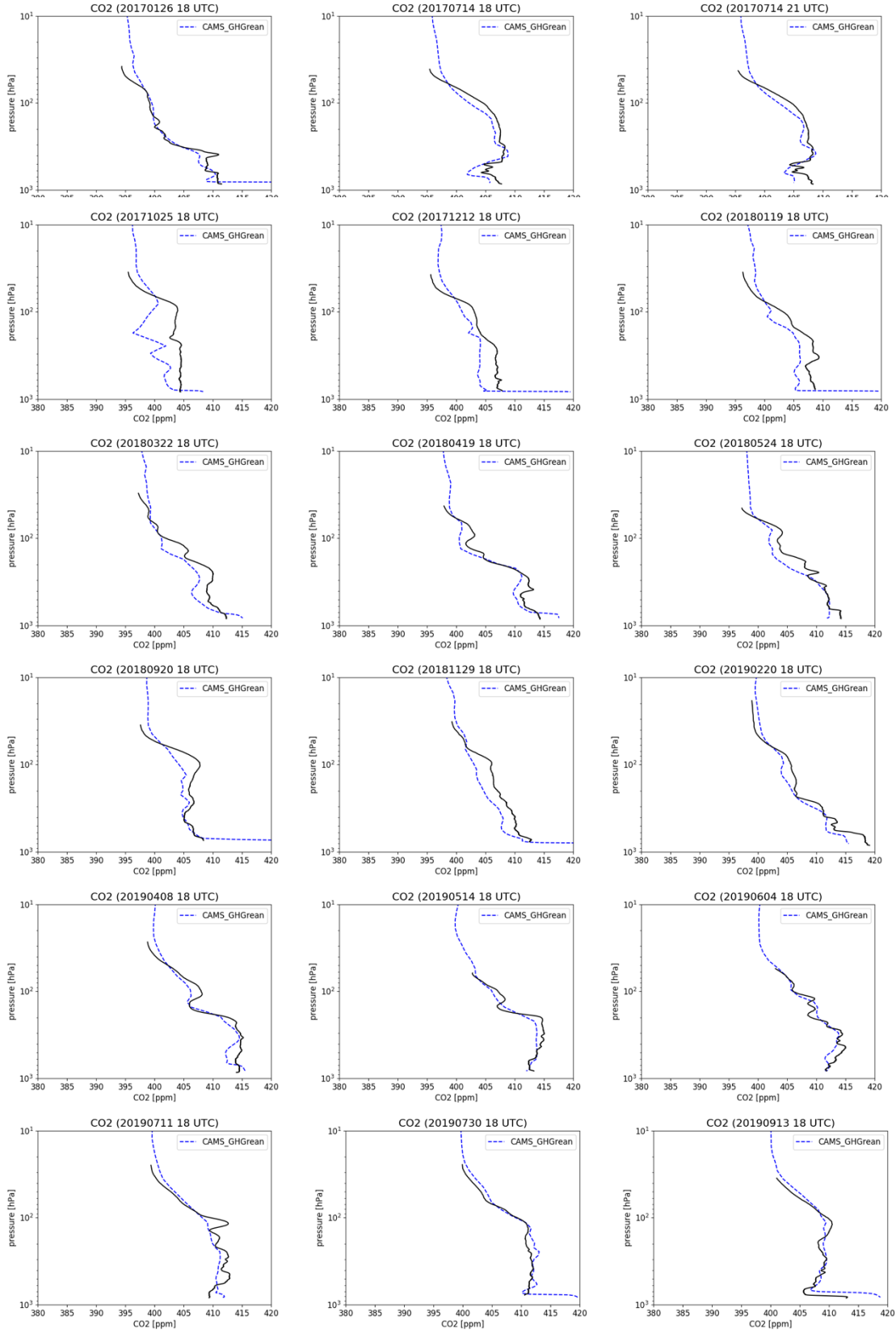


Fig S1a *cont.* Vertical mole fraction profiles of CO₂ from the CAMS GHG reanalysis (dash line) and AirCore observations (solid line) at Boulder (CO, USA, see Table A3) (*continued in the next page*).

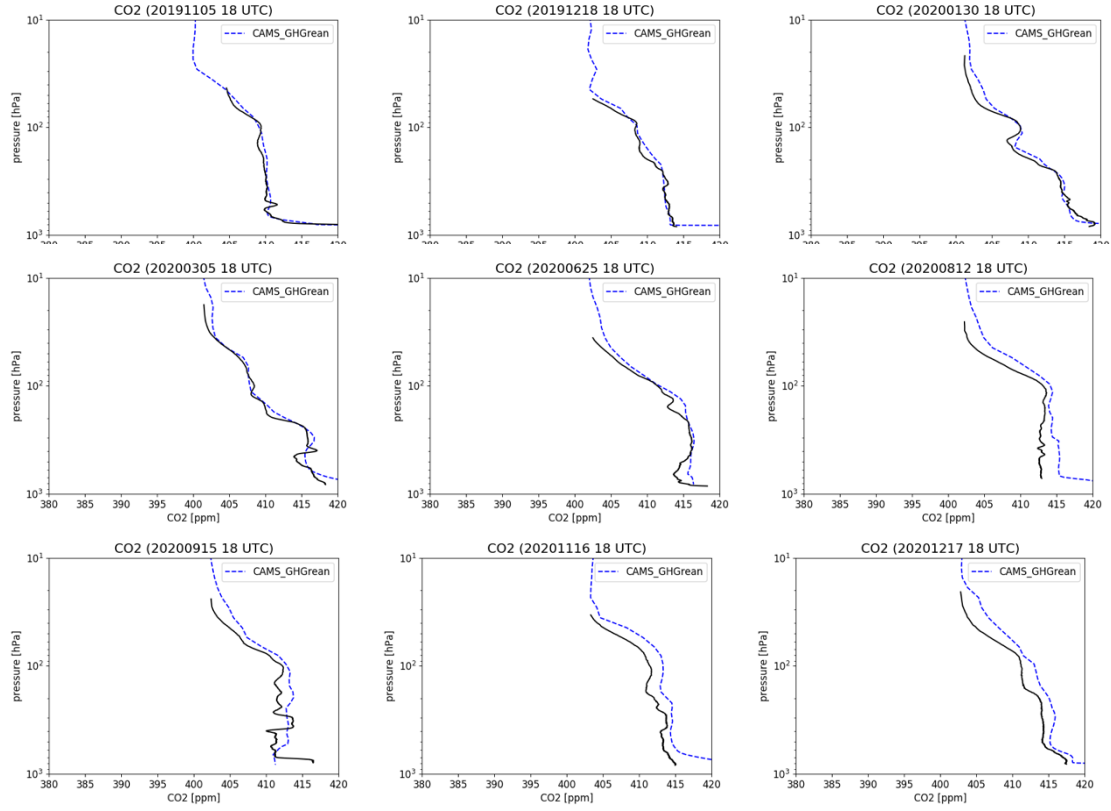


Fig S1a *cont.* Vertical mole fraction profiles of CO₂ from the CAMS GHG reanalysis (dash line) and AirCore observations (solid line) at Boulder (CO, USA, see Table A3) (*continued in the next page*).

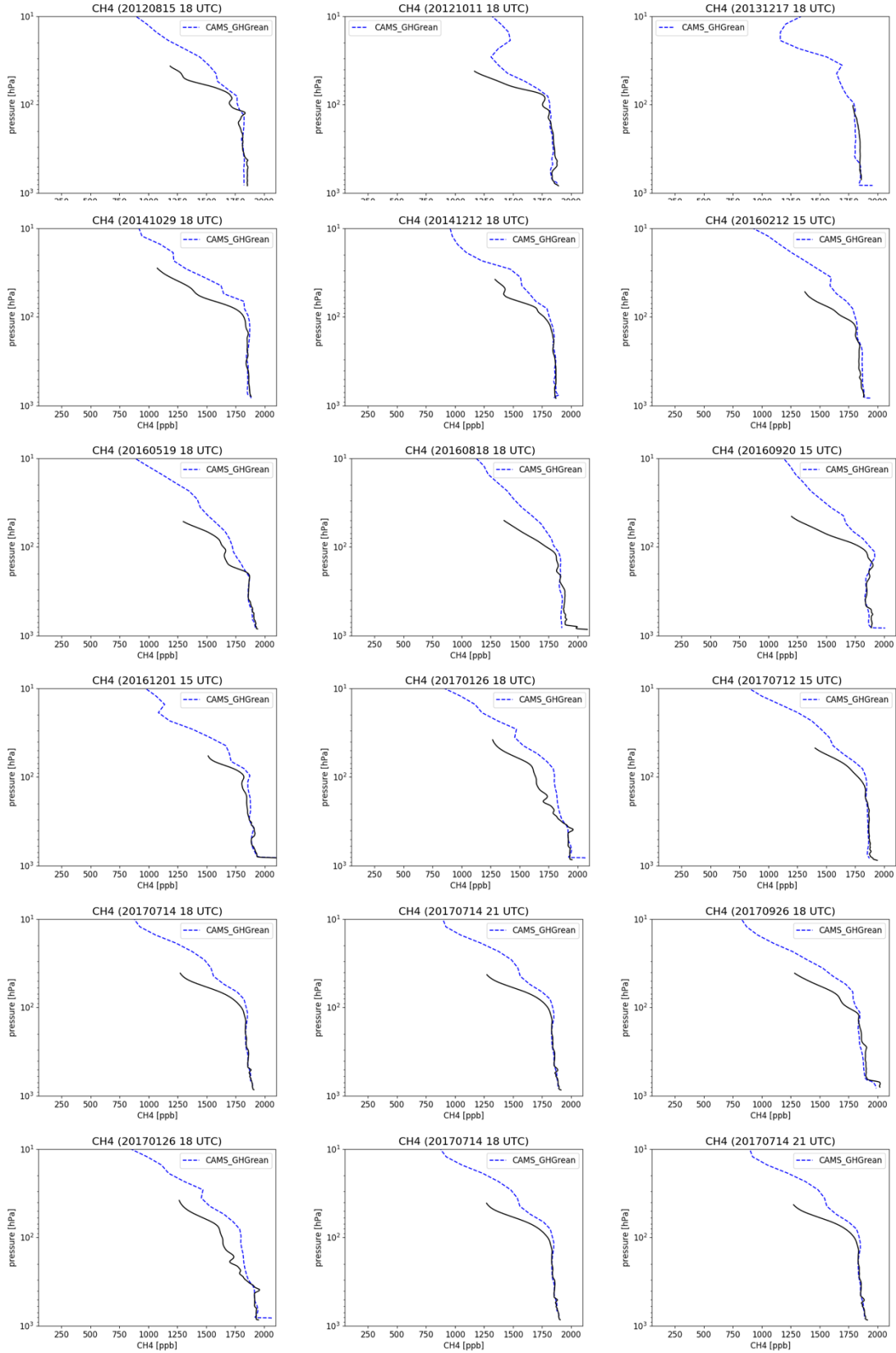


Fig S1b Vertical mole fraction profiles of CH₄ from the CAMS GHG reanalysis (dash line) and AirCore observations (solid line) at Boulder (CO, USA, see Table A3) (*continued in the next page*).

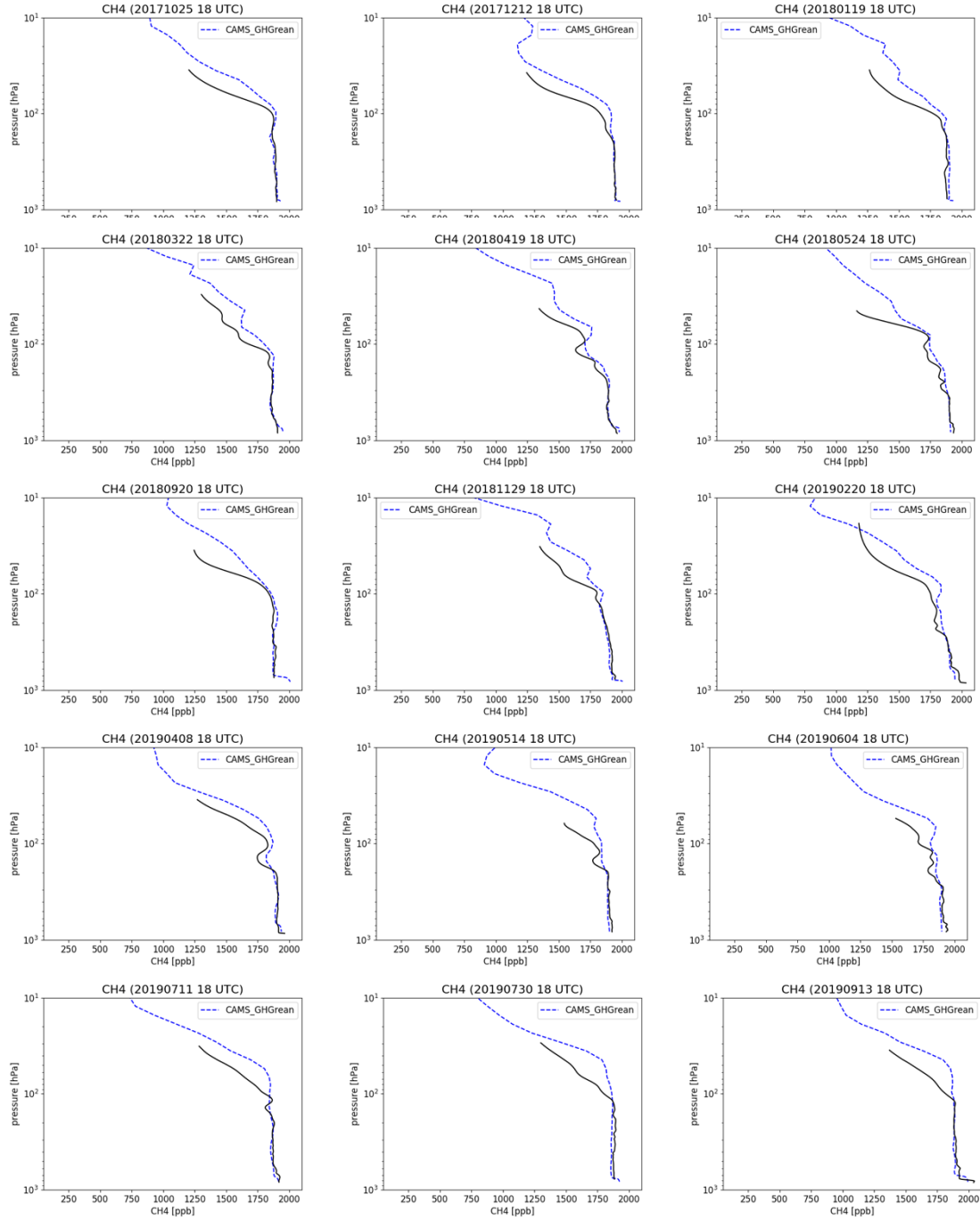


Fig S1b *cont.* Vertical mole fraction profiles of CH₄ from the CAMS GHG reanalysis (dash line) and AirCore observations (solid line) at Boulder (CO, USA, see Table A3) (*continued in the next page*).

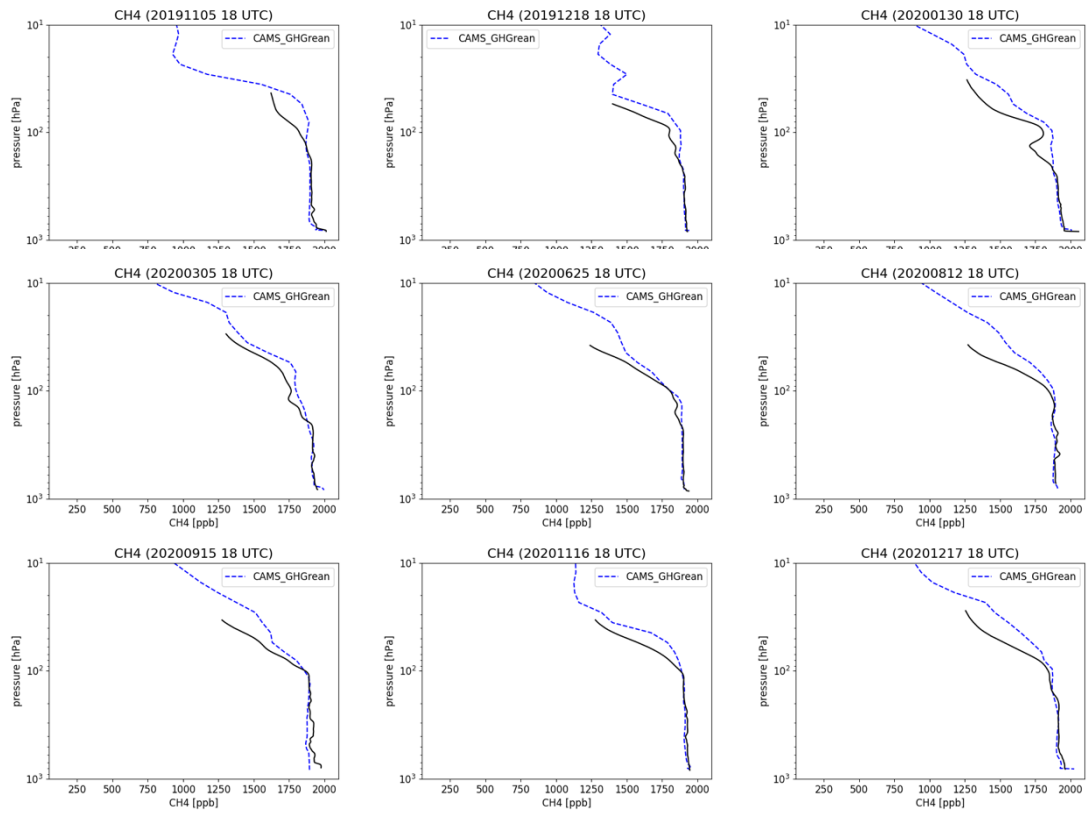


Fig S1b Vertical mole fraction profiles of CH₄ from the CAMS GHG reanalysis (dash line) and AirCore observations (solid line) at Boulder (CO, USA, see Table A3).

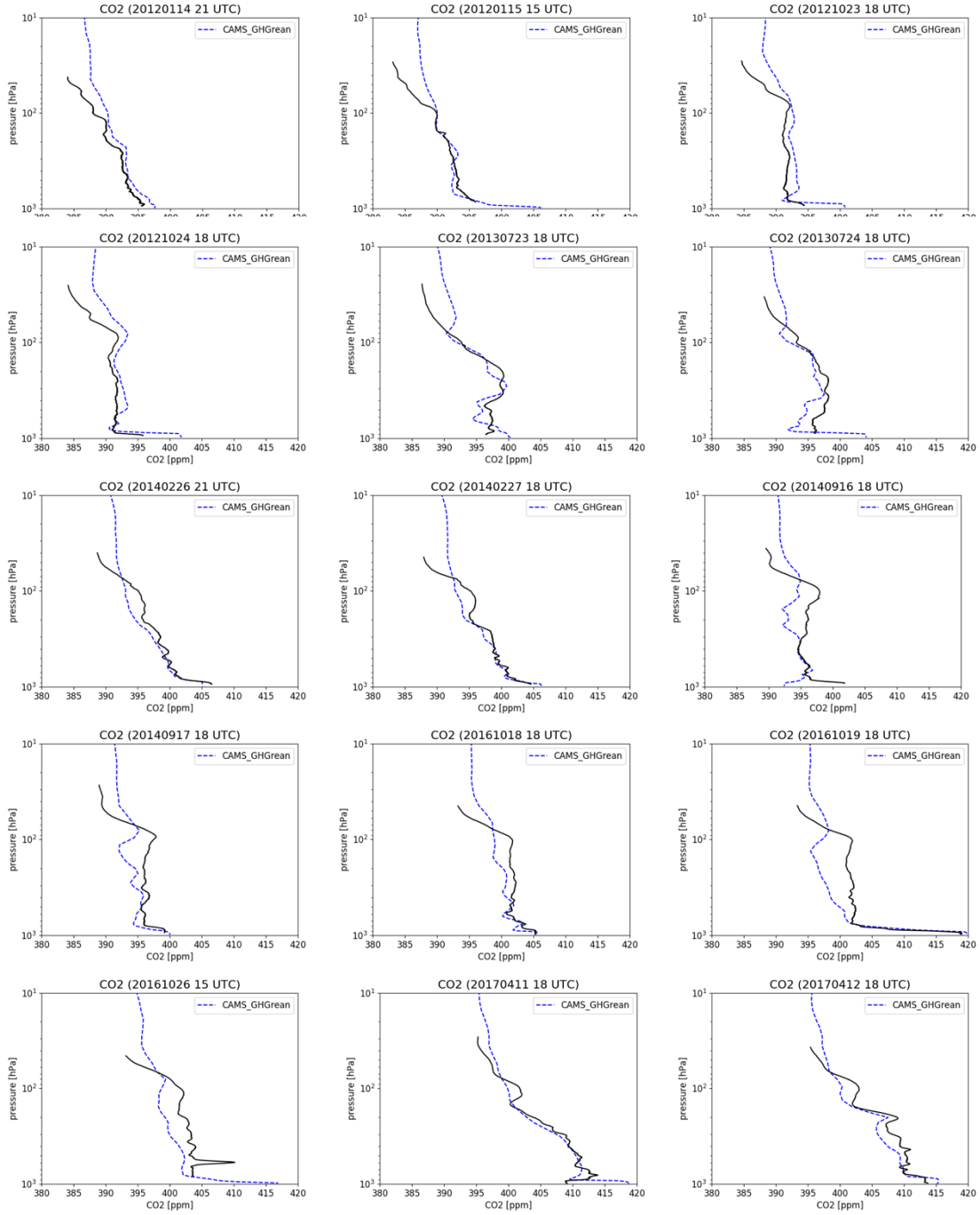


Fig S2a Vertical mole fraction profiles of CO₂ from the CAMS GHG reanalysis (dash line) and AirCore observations (solid line) at Lamont (OK, USA, see Table A3) (*continued in the next page*).

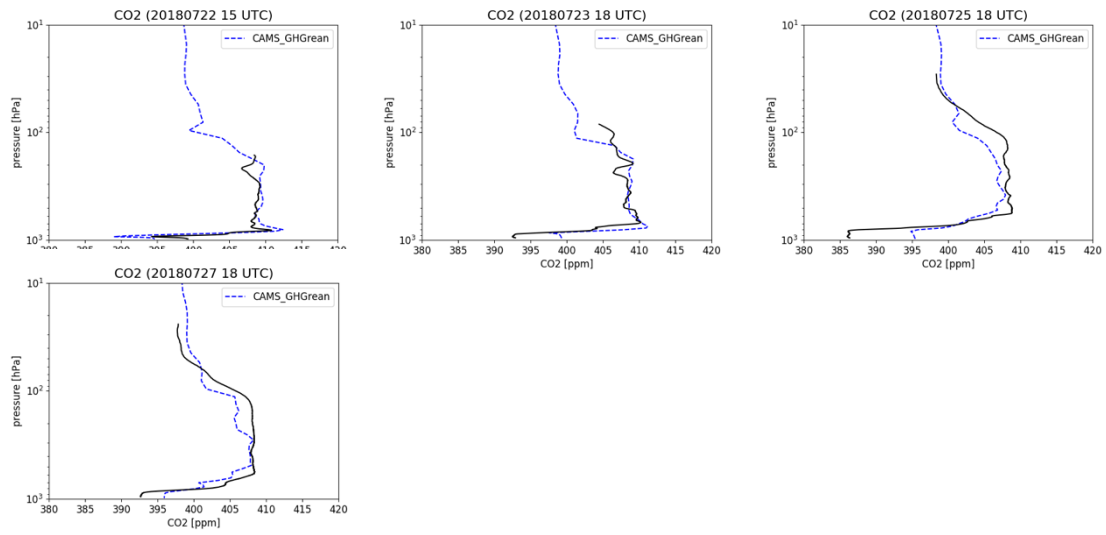


Fig S2a *cont.* Vertical mole fraction profiles of CO₂ from the CAMS GHG reanalysis (dash line) and AirCore observations (solid line) at Lamont (OK, USA, see Table A3).

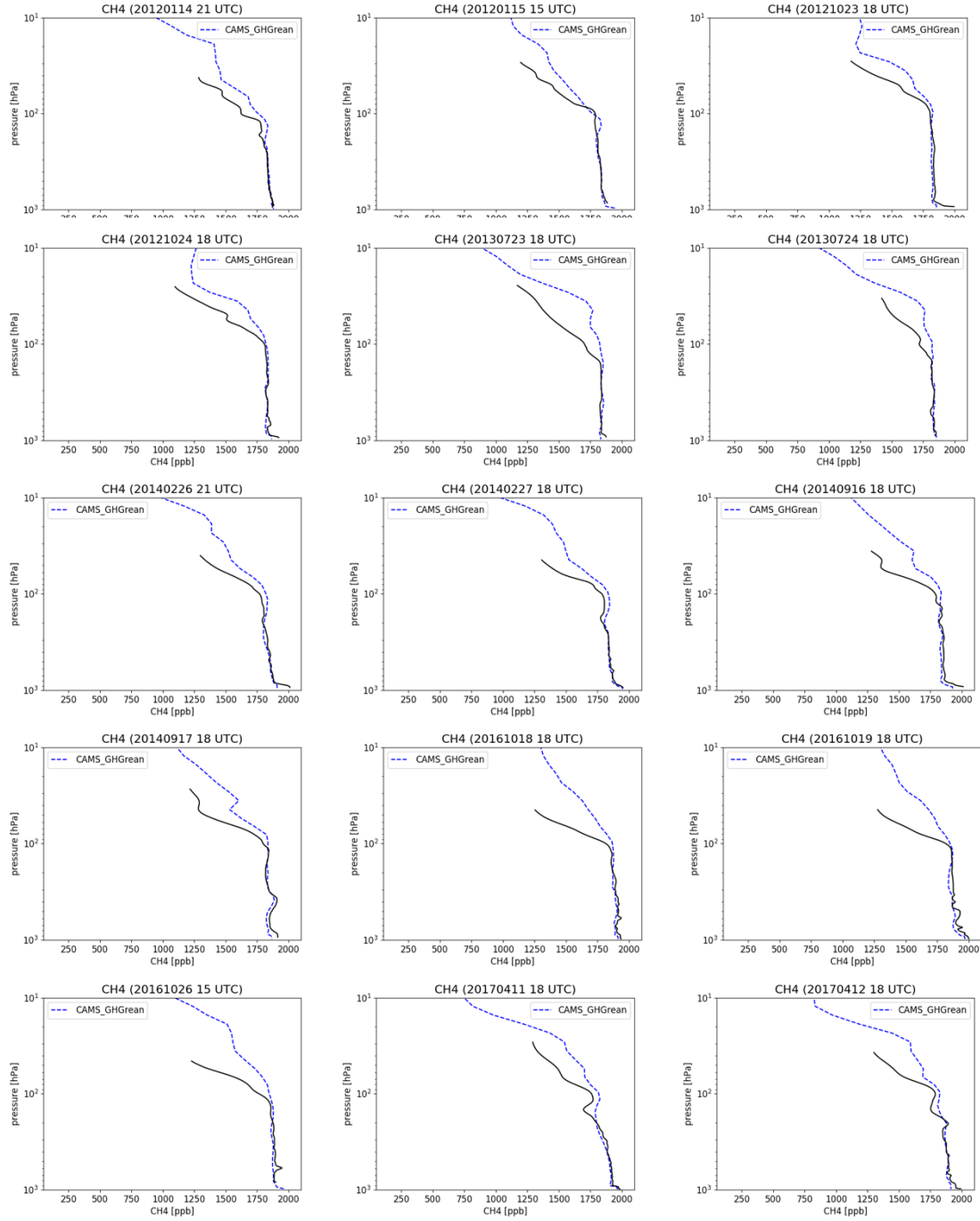


Fig S2b Vertical mole fraction profiles of CO₂ from the CAMS GHG reanalysis (dash line) and AirCore observations (solid line) at Lamont (OK, USA, see Table A3) (*continued in the next page*).

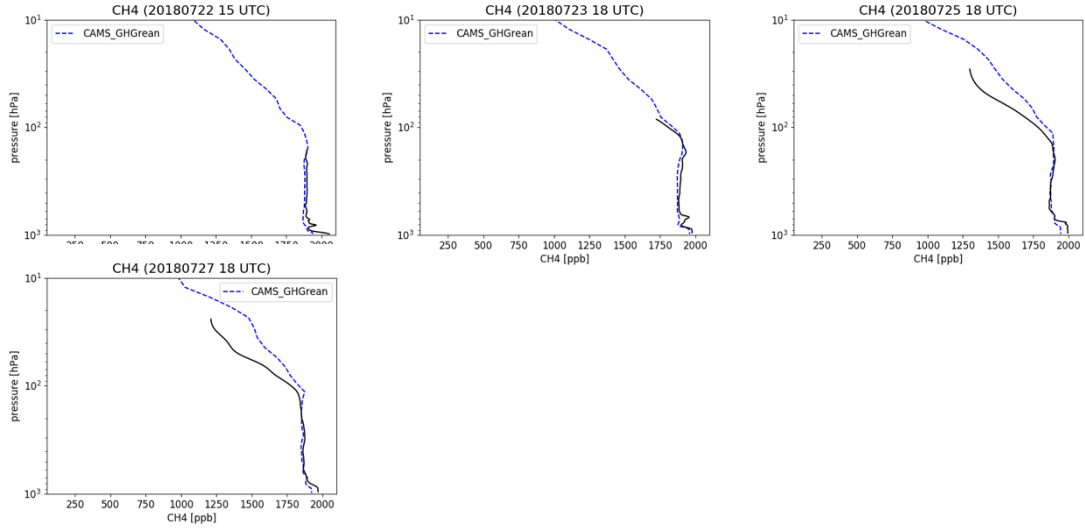


Fig S2b *cont.* Vertical mole fraction profiles of CO_2 from the CAMS GHG reanalysis (dash line) and AirCore observations (solid line) at Lamont (OK, USA, see Table A3) (*continued in the next page*).

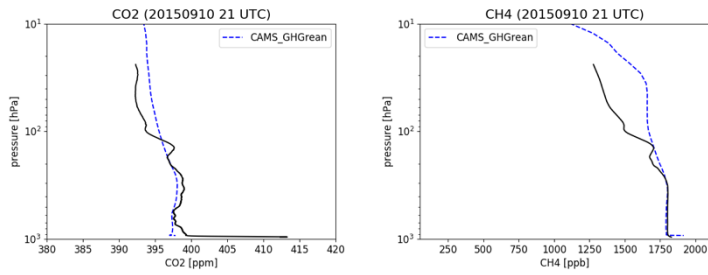


Fig S3 Vertical mole fraction profiles of CO_2 and CH_4 from the CAMS GHG reanalysis (dash line) and AirCore observations (solid line) at Lauder (New Zealand, see Table A3).

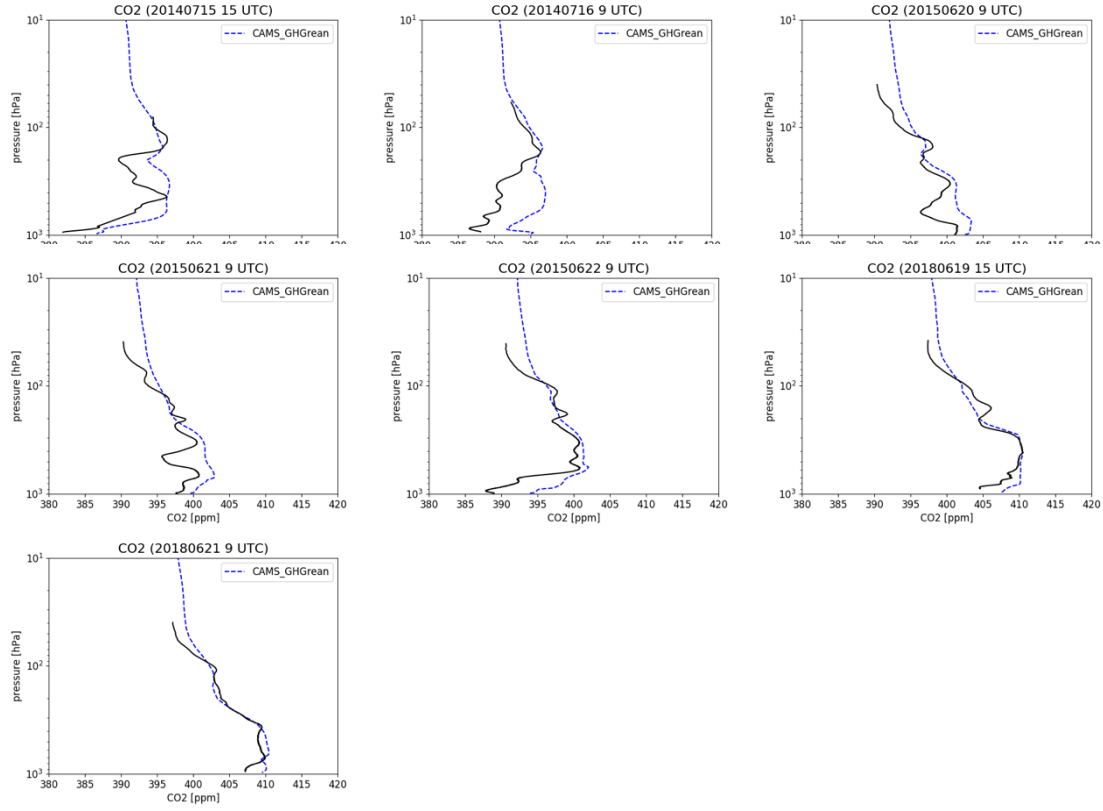


Fig S4a Vertical mole fraction profiles of CO₂ from the CAMS GHG reanalysis (dash line) and AirCore observations (solid line) at Sodankylä (Finland, see Table A3).

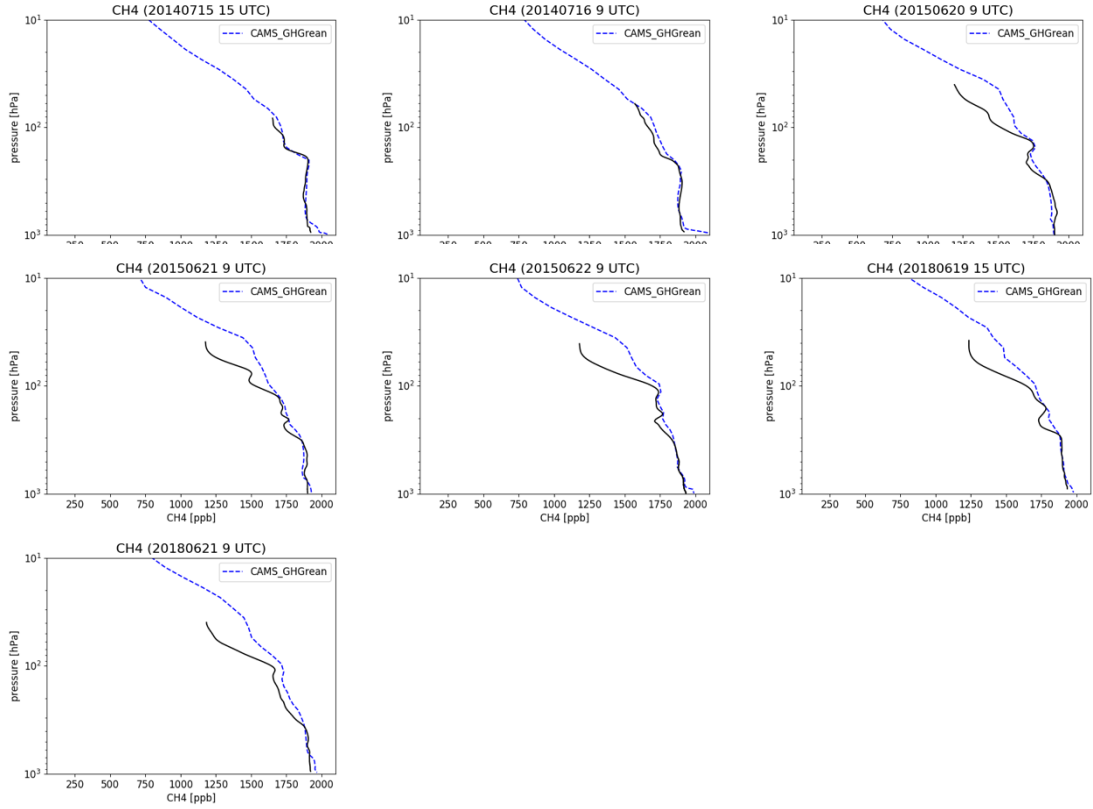


Fig S4b Vertical mole fraction profiles of CH₄ from the CAMS GHG reanalysis (dash line) and AirCore observations (solid line) at Sodankylä (Finland, see Table A3).

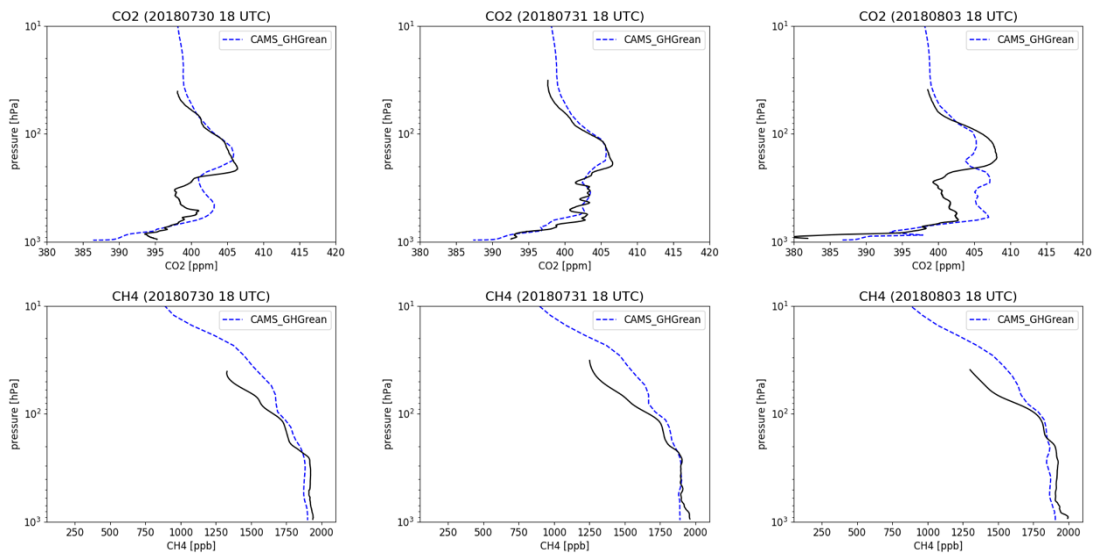


Fig S5 Vertical mole fraction profiles of CO₂ and CH₄ from the CAMS GHG reanalysis (dash line) and AirCore observations (solid line) at Park Falls (WI, USA, see Table A3).

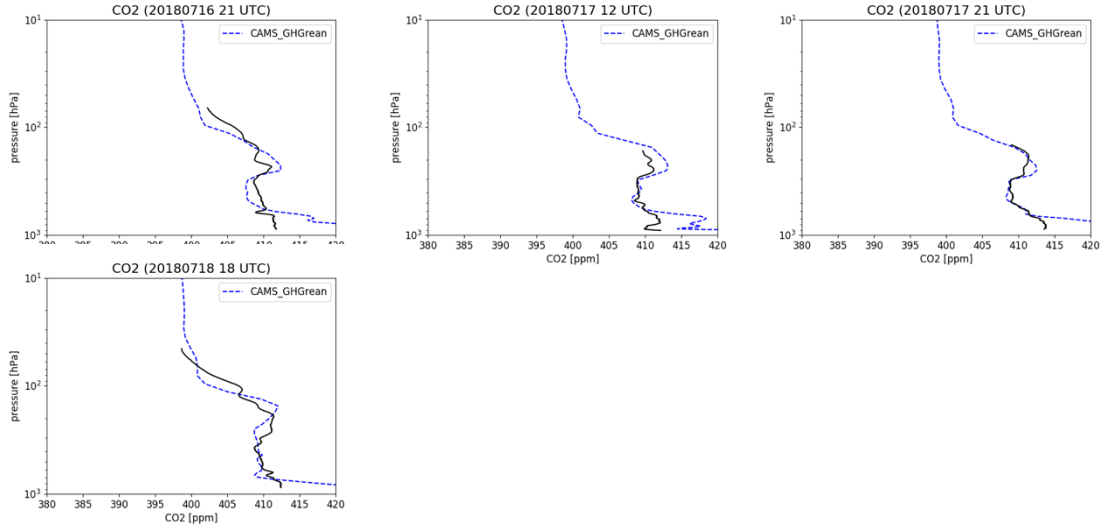


Fig S6a Vertical mole fraction profiles of CO₂ from the CAMS GHG reanalysis (dash line) and AirCore observations (solid line) at Edwards (CA, USA, see Table A3).

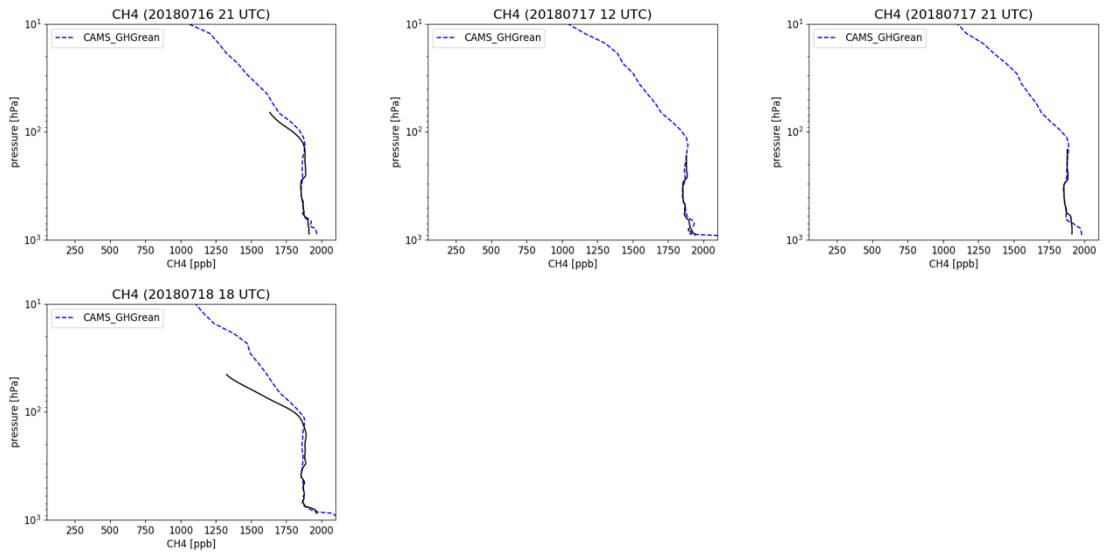


Fig S6b Vertical mole fraction profiles of CH₄ from the CAMS GHG reanalysis (dash line) and AirCore observations (solid line) at Edwards (CA, USA, see Table A3).

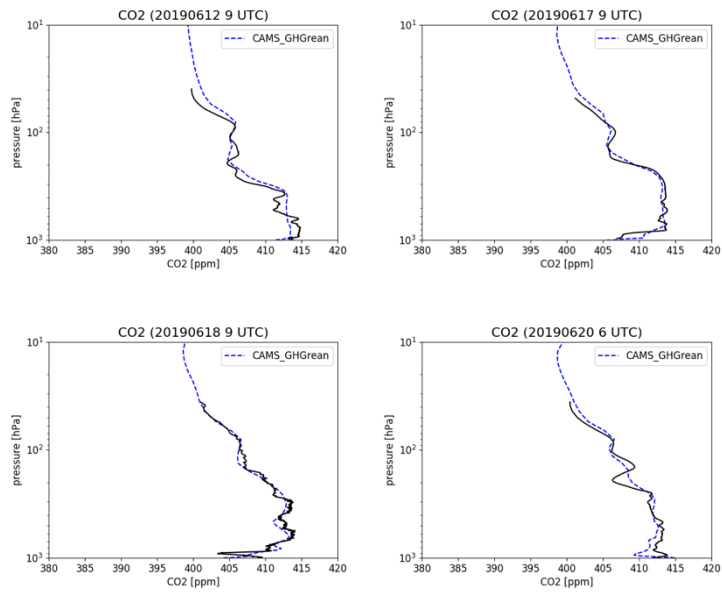


Fig S7a Vertical mole fraction profiles of CO₂ from the CAMS GHG reanalysis (dash line) and AirCore observations (solid line) at Traînou (France, see Table A3).

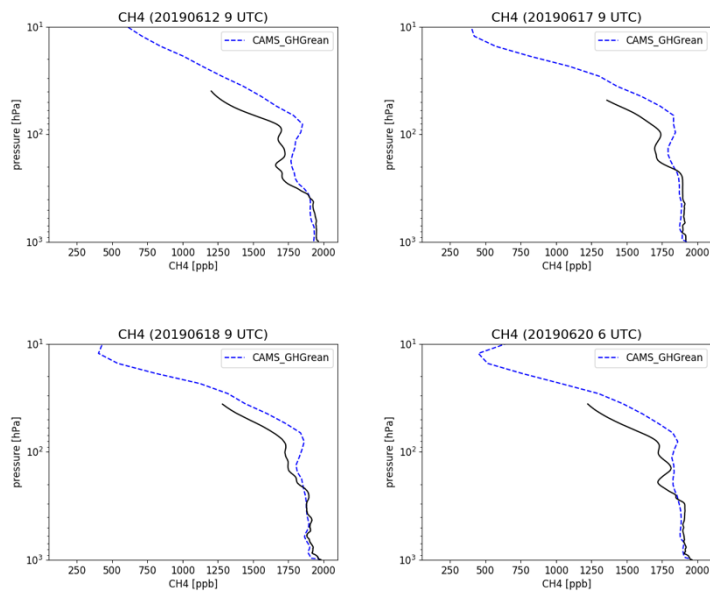


Fig S7b Vertical mole fraction profiles of CO₂ from the CAMS GHG reanalysis (dash line) and AirCore observations (solid line) at Traînou (France, see Table A3).