

Corrigendum to

“Evaluation of black carbon estimations in global aerosol models” published in Atmos. Chem. Phys., 9, 9001-9026, 2009

D. Koch^{1,2}, M. Schulz³, S. Kinne⁴, C. McNaughton¹⁰, J. R. Spackman⁹, Y. Balkanski³, S. Bauer^{1,2}, T. Berntsen¹³, T. C. Bond⁶, O. Boucher¹⁴, M. Chin¹⁵, A. Clarke¹⁰, N. De Luca²⁴, F. Dentener¹⁶, T. Diehl¹⁷, O. Dubovik¹⁴, R. Easter¹⁸, D. W. Fahey⁹, J. Feichter⁴, D. Fillmore²², S. Freitag¹⁰, S. Ghan¹⁸, P. Ginoux¹⁹, S. Gong²⁰, L. Horowitz¹⁹, T. Iversen^{13,27}, A. Kirkevåg²⁷, Z. Klimont⁷, Y. Kondo¹¹, M. Krol¹², X. Liu^{23,18}, R. Miller², V. Montanaro²⁴, N. Moteki¹¹, G. Myhre^{13,28}, J. E. Penner²³, J. Perlwitz^{1,2}, G. Pitari²⁴, S. Reddy¹⁴, L. Sahu¹¹, H. Sakamoto¹¹, G. Schuster⁵, J. P. Schwarz⁹, Ø. Seland²⁷, P. Stier²⁵, N. Takegawa¹¹, T. Takemura²⁶, C. Textor³, J. A. van Aardenne⁸, and Y. Zhao²¹

¹Columbia University, New York, NY, USA

²NASA GISS, New York, NY, USA

³Laboratoire des Sciences du Climat et de l'Environnement, Gif-sur-Yvette, France

⁴Max-Planck-Institut für Meteorologie, Hamburg, Germany

⁵NASA Langley Research Center, Hampton, Virginia, USA

⁶University of Illinois at Urbana-Champaign, Urbana, IL, USA

⁷International Institute for Applied Systems Analysis, Laxenburg, Austria

⁸European Commission, Institute for Environment and Sustainability, Joint Research Centre, Ispra, Italy

⁹NOAA Earth System Research Laboratory, Chemical Sciences Division and Cooperative Institute for Research in Environmental Sciences, University of Colorado, Boulder, Colorado, USA

¹⁰University of Hawaii at Manoa, Honolulu, Hawaii, USA

¹¹RCAST, University of Tokyo, Japan

¹²Meteorology and Air Quality, Wageningen University, Wageningen, The Netherlands

¹³University of Oslo, Oslo, Norway

¹⁴Université des Sciences et Technologies de Lille, CNRS, Villeneuve d'Ascq, France

¹⁵NASA Goddard Space Flight Center, Greenbelt, MD, USA

¹⁶EC, Joint Research Centre, Institute for Environment and Sustainability, Ispra, Italy

¹⁷University of Maryland Baltimore County, Baltimore, Maryland, USA

¹⁸Pacific Northwest National Laboratory, Richland, USA

¹⁹NOAA, Geophysical Fluid Dynamics Laboratory, Princeton, New Jersey, USA

²⁰ARQM Meteorological Service Canada, Toronto, Canada

²¹University of California - Davis, CA, USA

²²NCAR, Boulder, CO, USA

²³University of Michigan, Ann Arbor, MI, USA

²⁴Università degli Studi L'Aquila, Italy

²⁵Atmospheric, Oceanic and Planetary Physics, University of Oxford, UK

²⁶Kyushu University, Fukuoka, Japan

²⁷Norwegian Meteorological Institute, Oslo, Norway

²⁸Center for International Climate and Environmental Research - Oslo (CICERO), Oslo, Norway



Correspondence to: D. Koch
(dkoch@giss.nasa.gov)

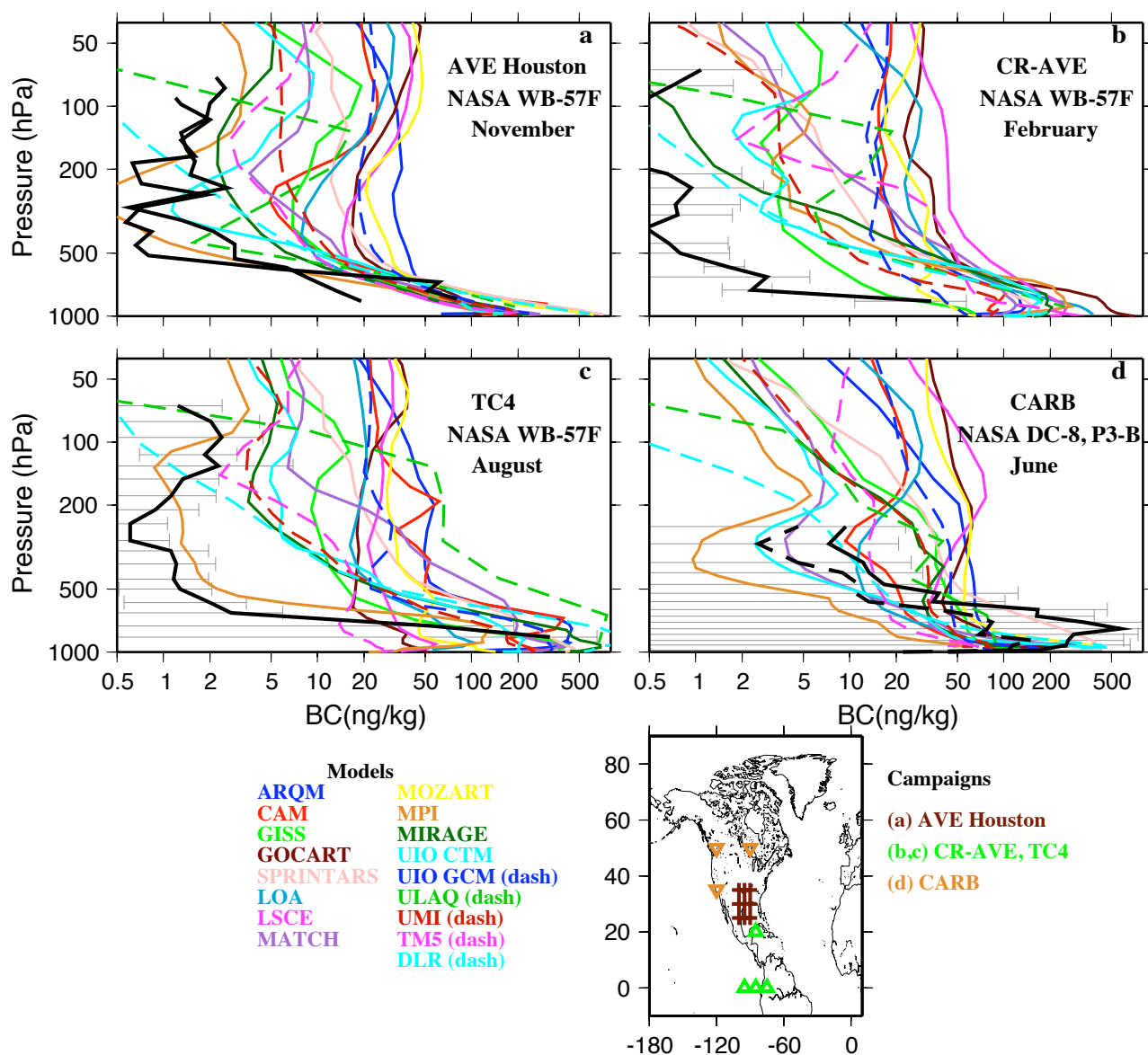


Fig. 9. Model profiles in approximate SP2 BC campaign locations in the tropics and midlatitudes, averaged over the points in the map (bottom). Observations (black curves) are average for the respective campaigns, with standard deviations where available. The Houston campaign has two profiles measured two different days. Mean (solid) and median (dashed) observed profiles are provided for (d). The markers in the map inset denote the location of model profiles in these comparisons with the aircraft measurements that are detailed in Table 7.

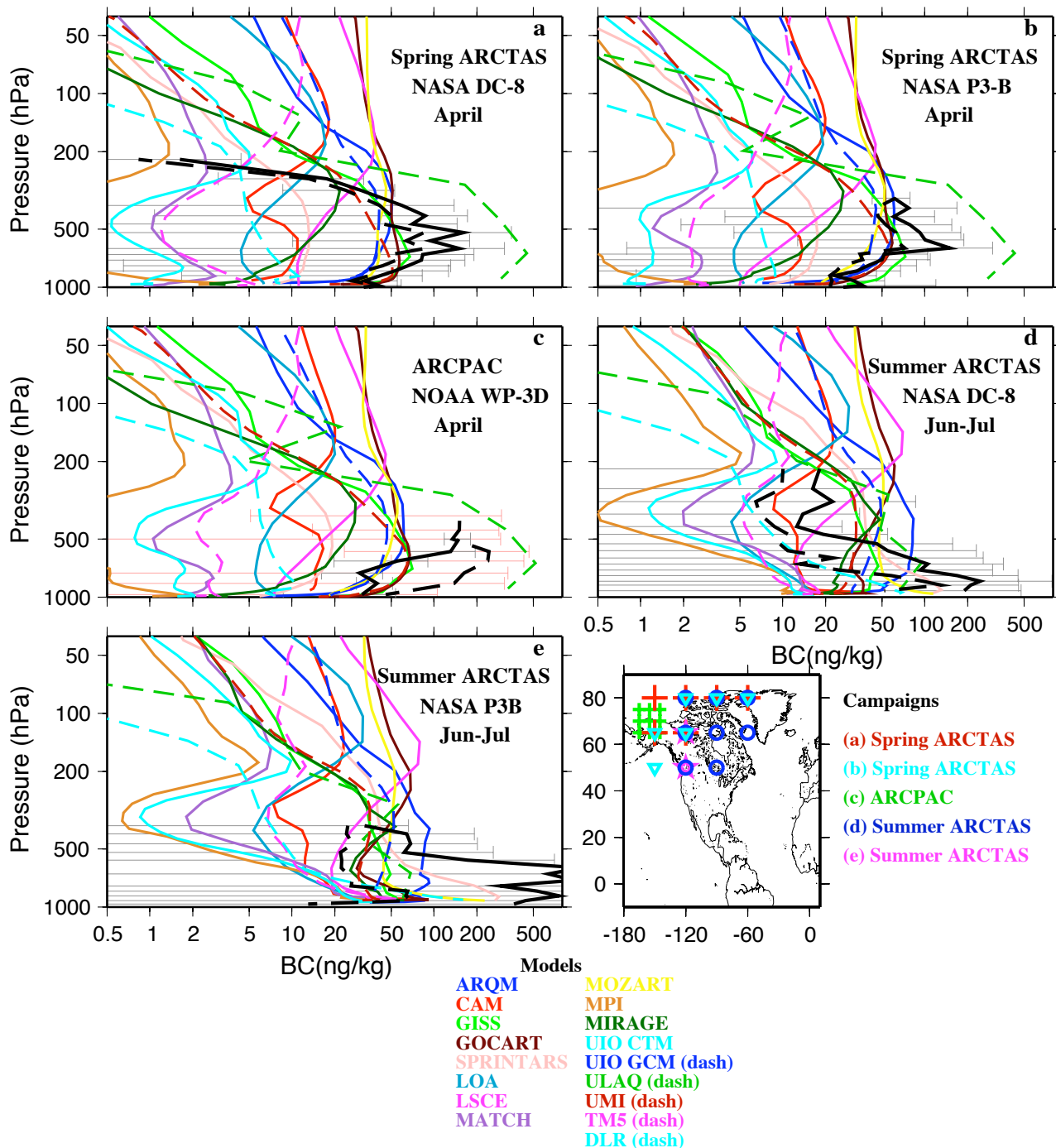


Fig. 10. Like Fig. 9 but for high latitude profiles. Mean (solid) and median (dashed) observed profiles are provided except for (c) the ARCPAC campaign has distinct profiles for the mean of the 4 flights that probed long-range biomass burning plumes (dashed) and mean for the 1 flight that sampled aged Arctic air (solid).