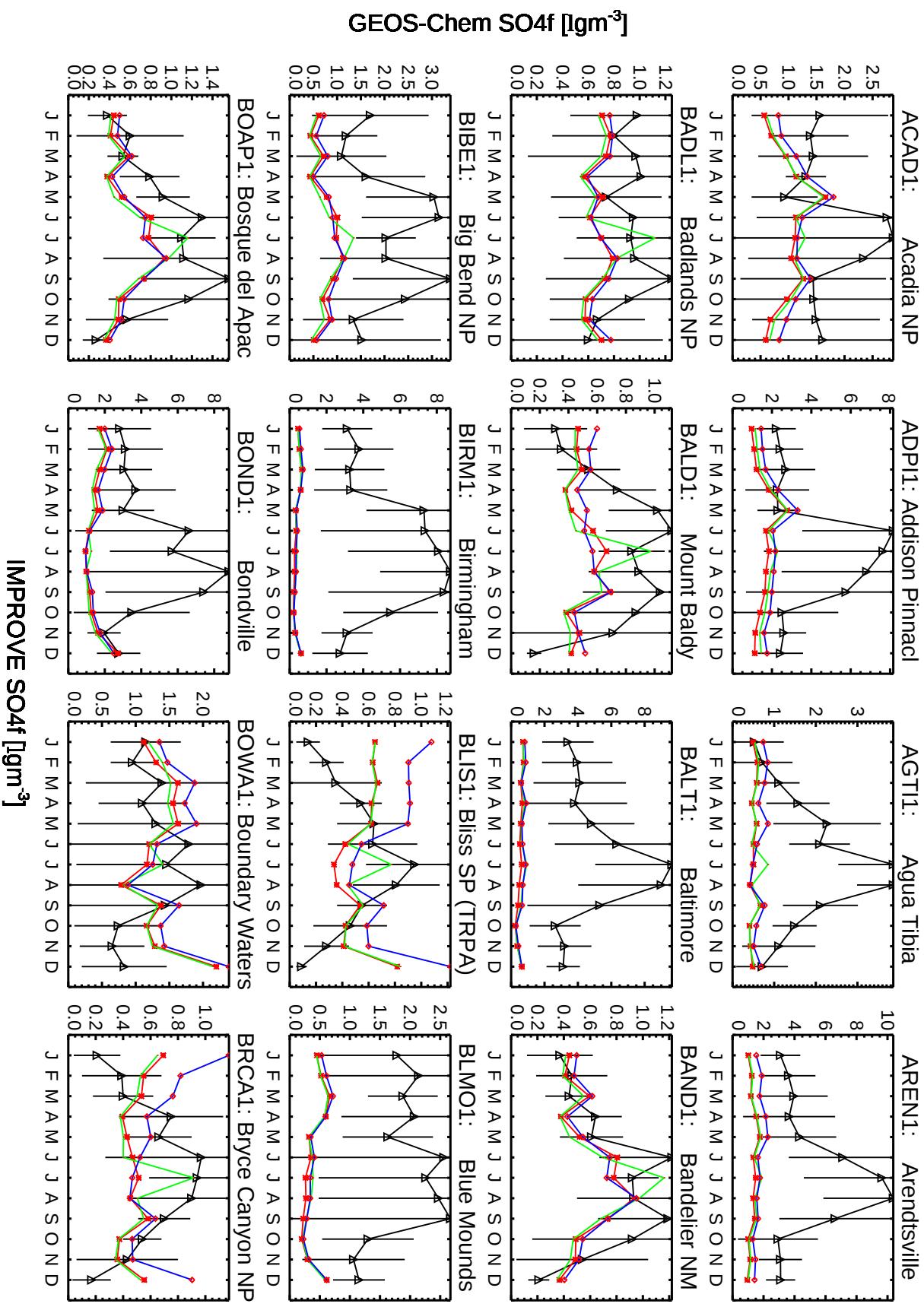
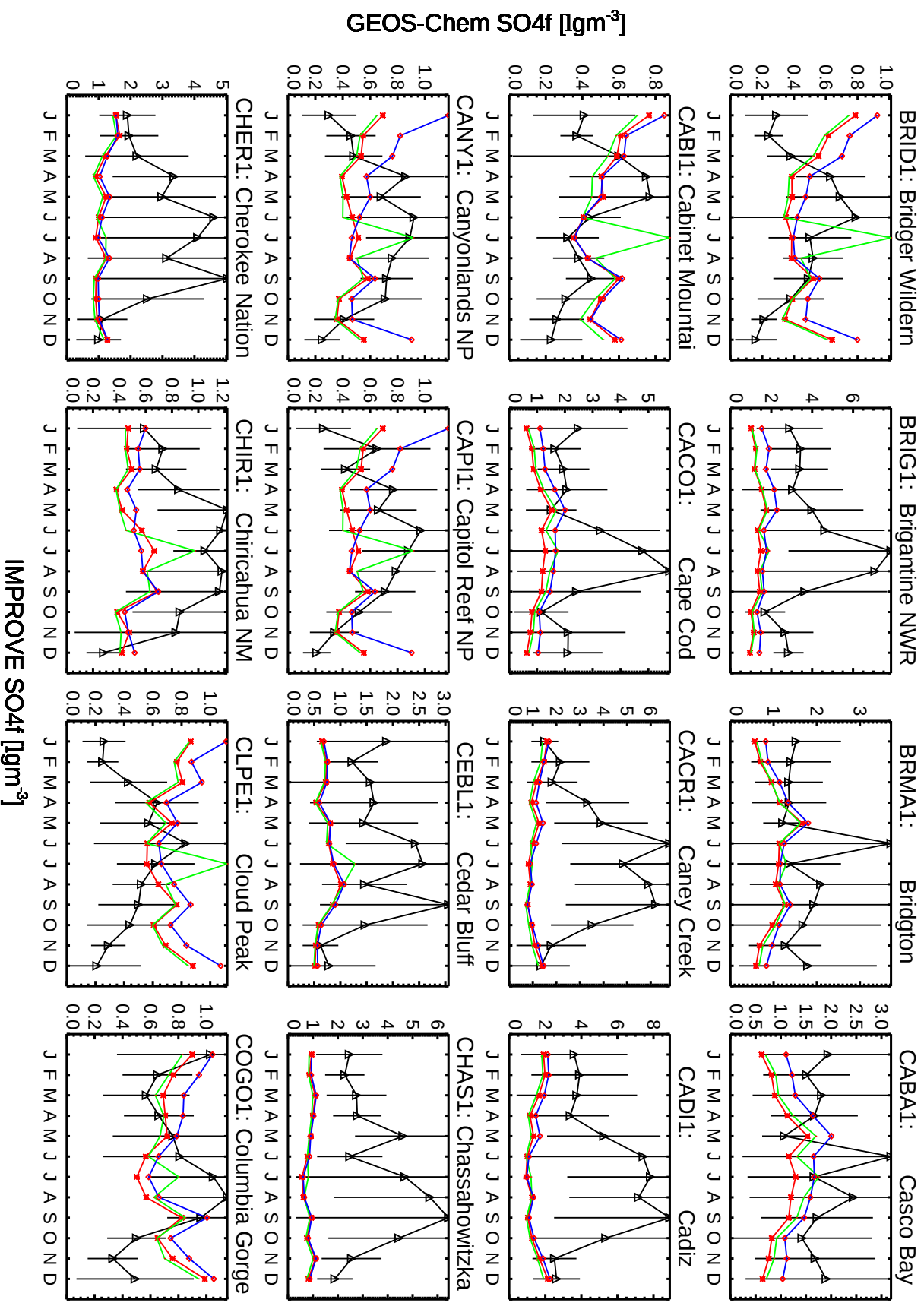


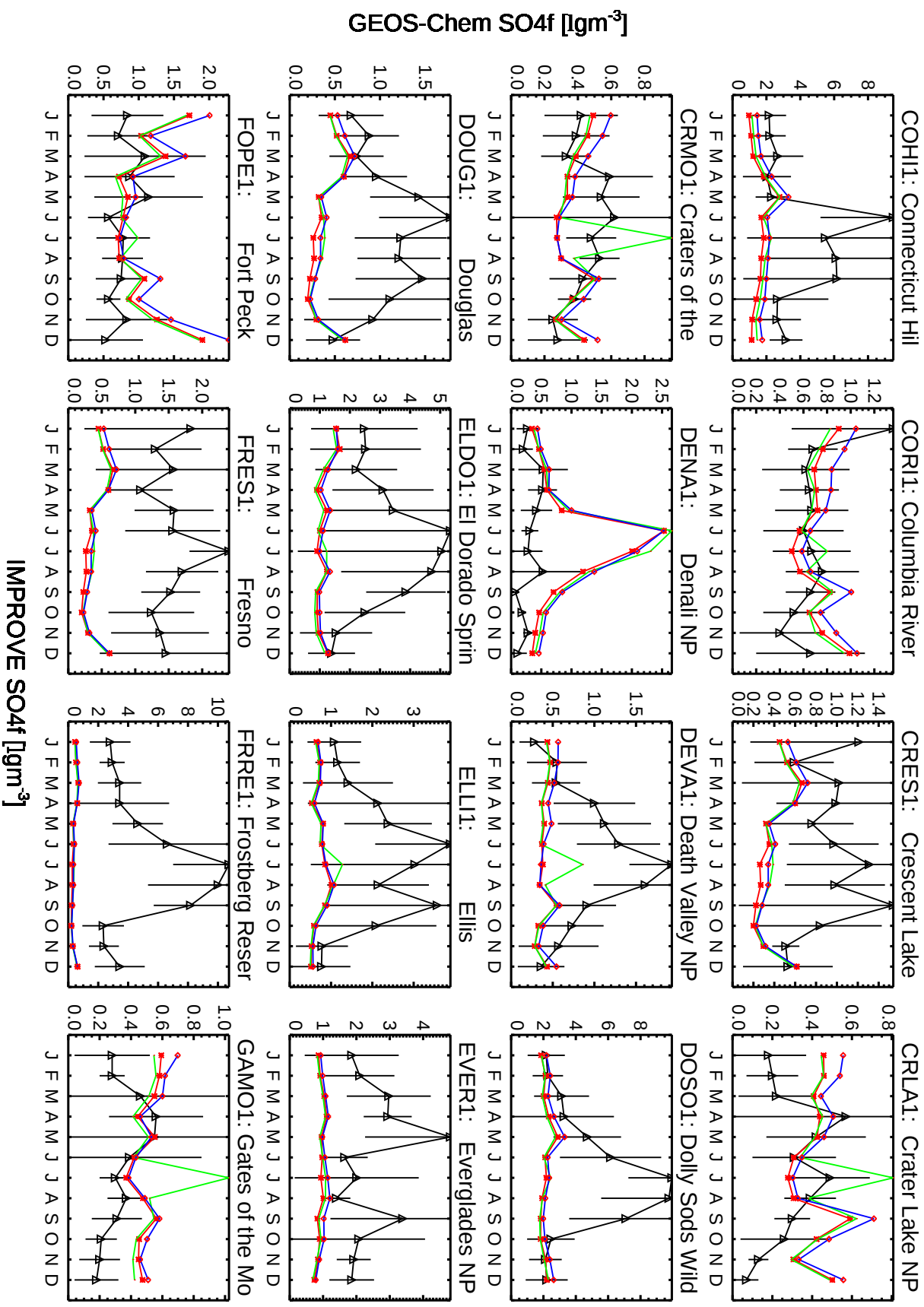
Red: GCC_13.2.0 (2019); Green: GCC_13.3.0 (2019); Blue: GCC_13.4.0 (2019)



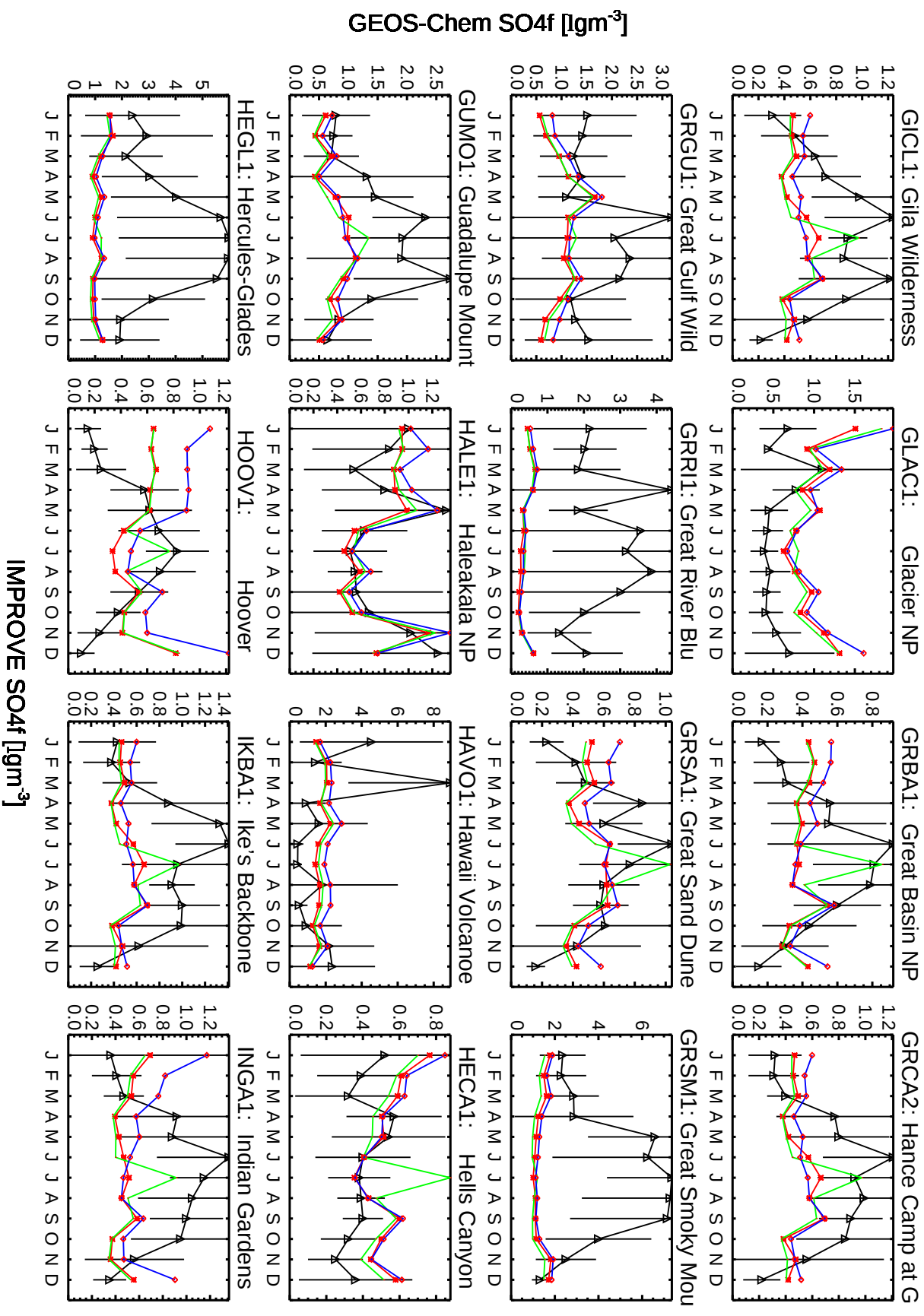
Red: GCC_13.2.0 (2019); Green: GCC_13.3.0 (2019); Blue: GCC_13.4.0 (2019)



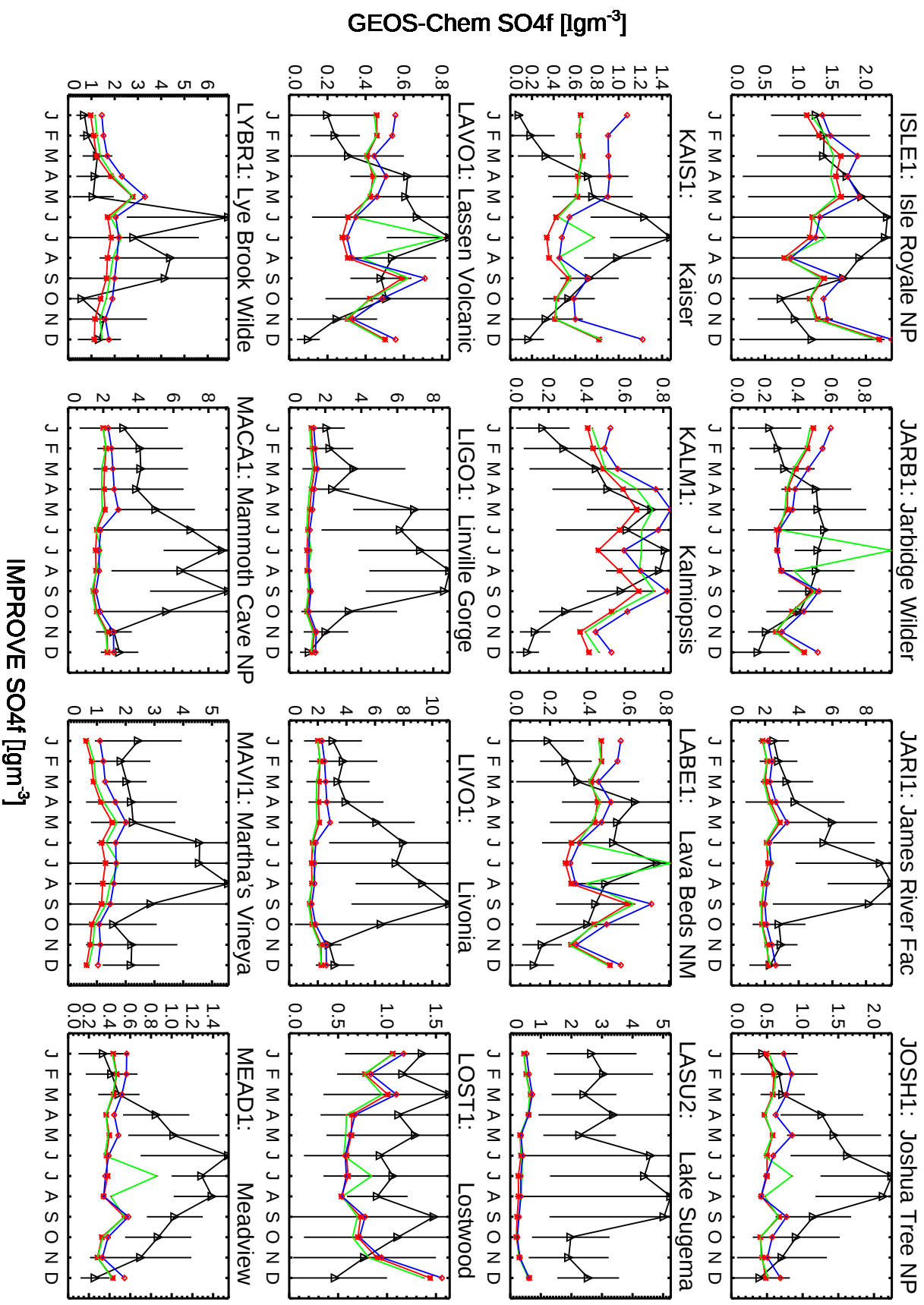
Red: GCC_13.2.0 (2019); Green: GCC_13.3.0 (2019); Blue: GCC_13.4.0 (2019)



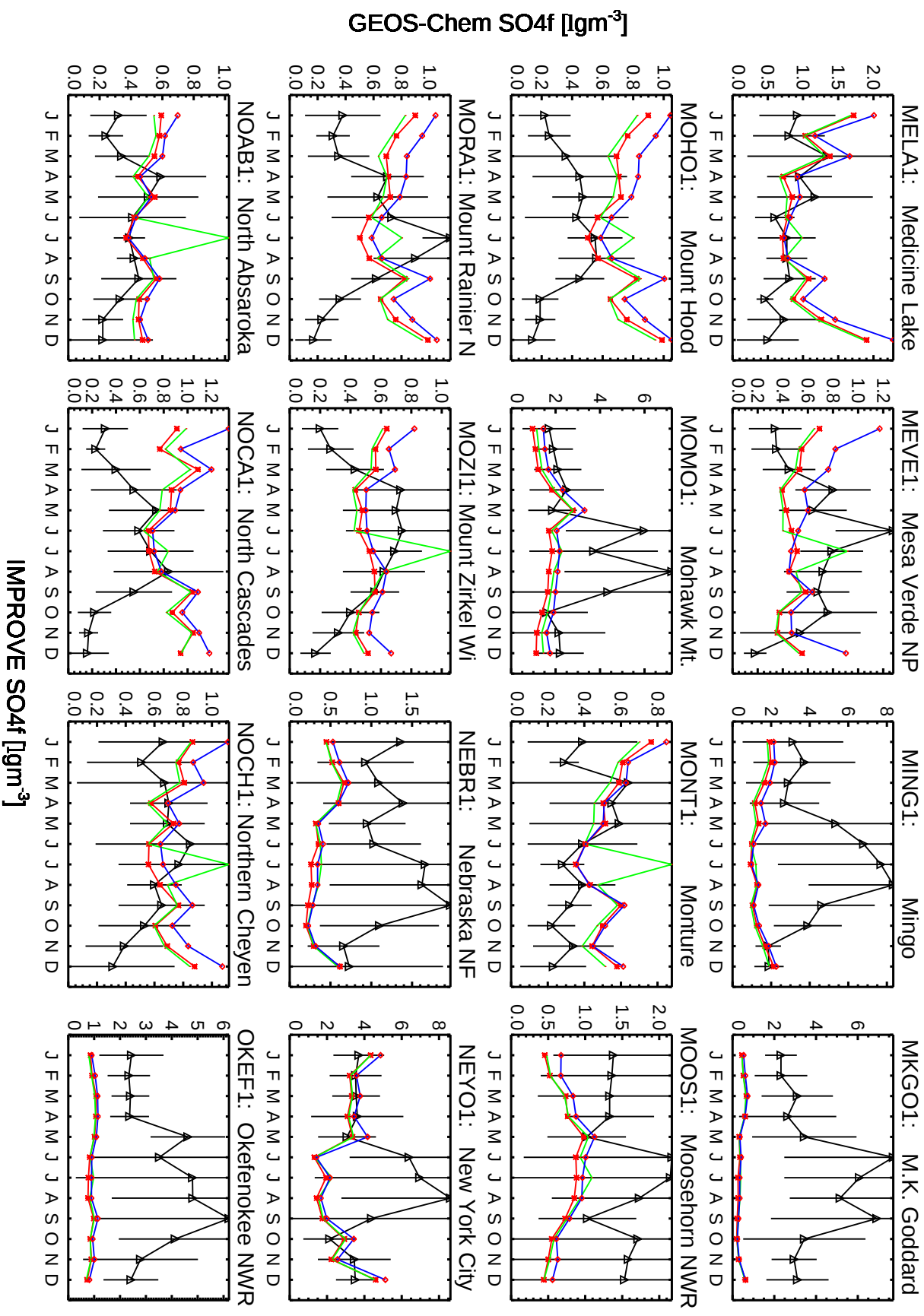
Red: GCC_13.2.0 (2019); Green: GCC_13.3.0 (2019); Blue: GCC_13.4.0 (2019)



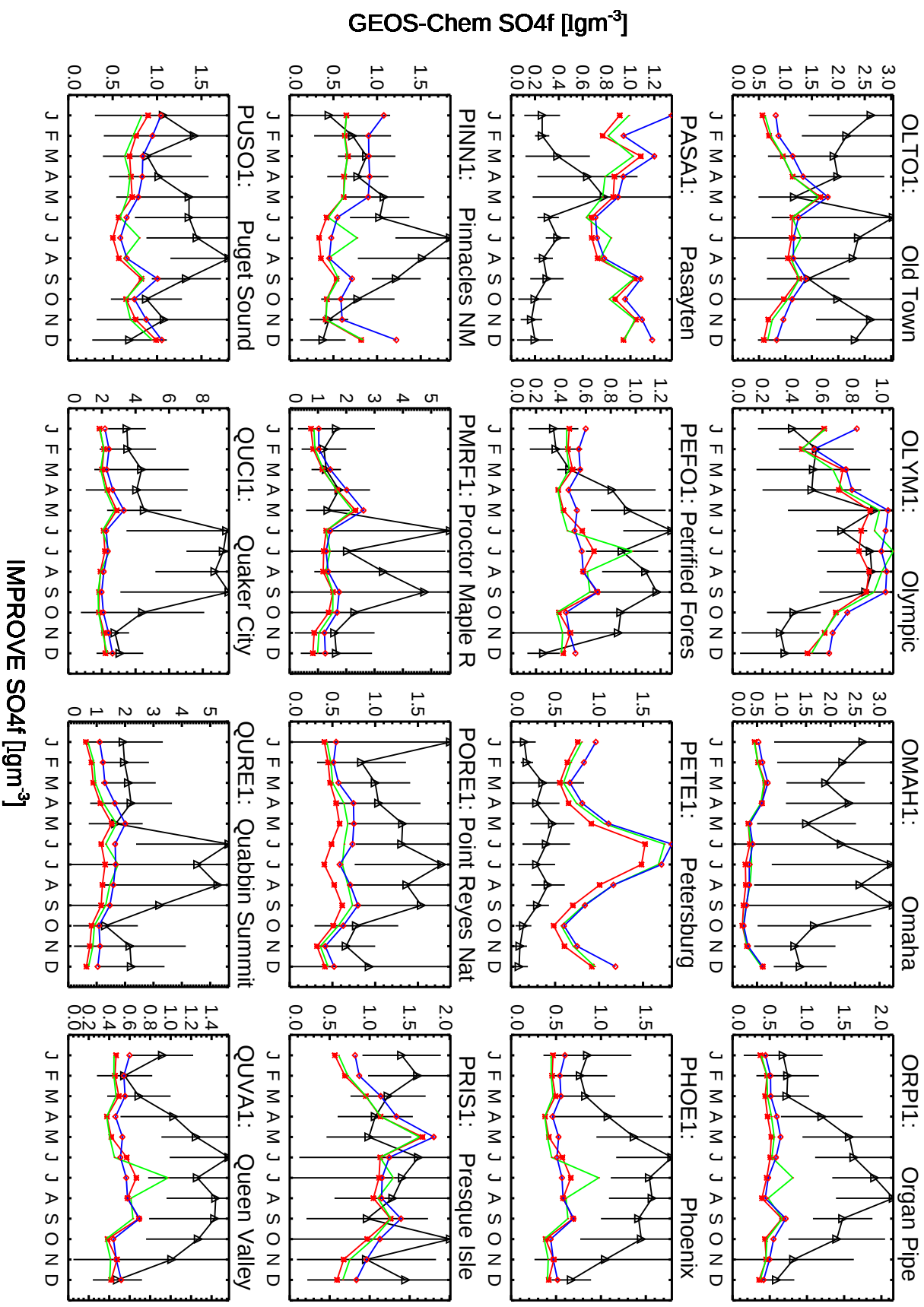
Red: GCC_13.2.0 (2019); Green: GCC_13.3.0 (2019); Blue: GCC_13.4.0 (2019)



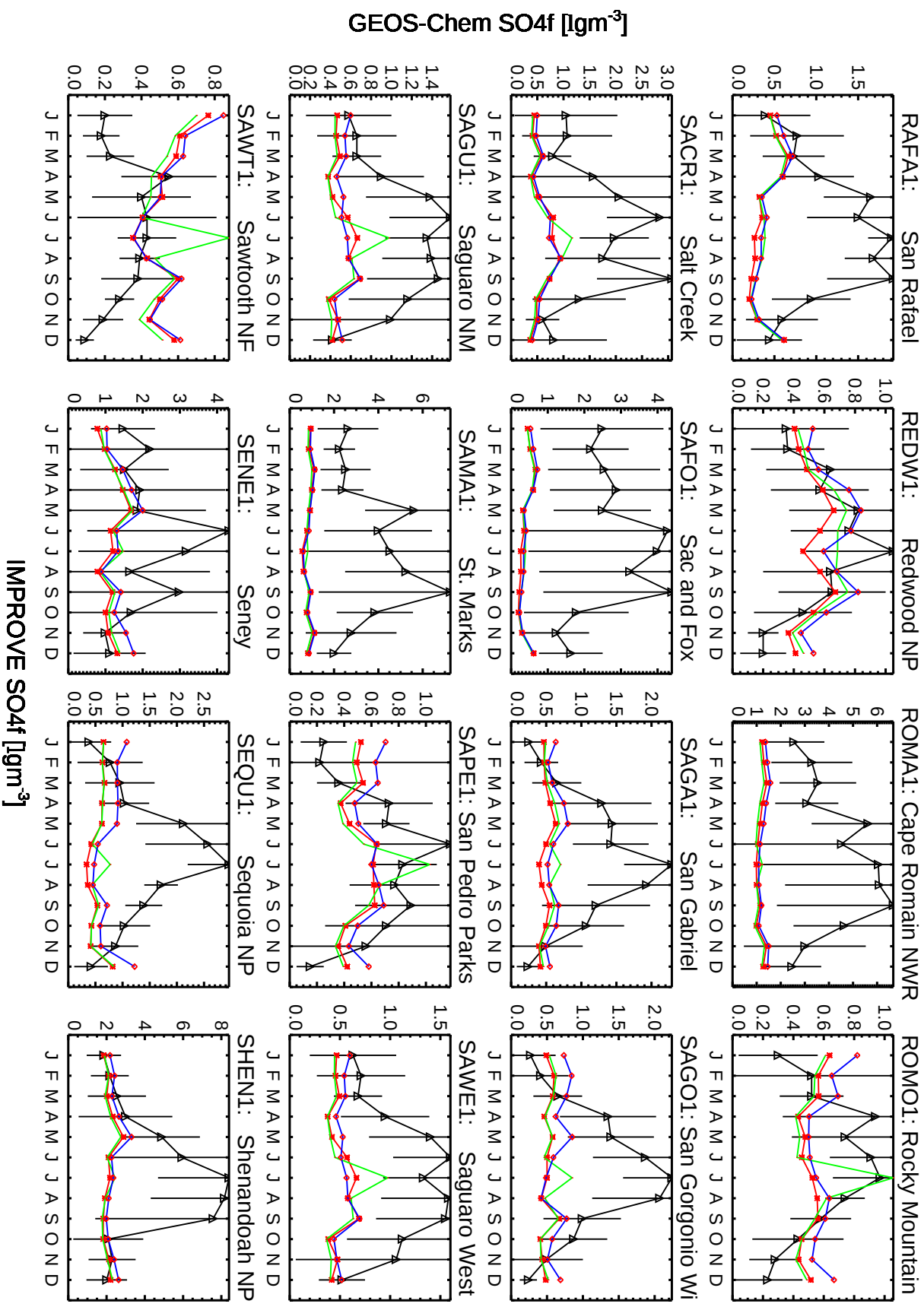
Red: GCC_13.2.0 (2019); Green: GCC_13.3.0 (2019); Blue: GCC_13.4.0 (2019)



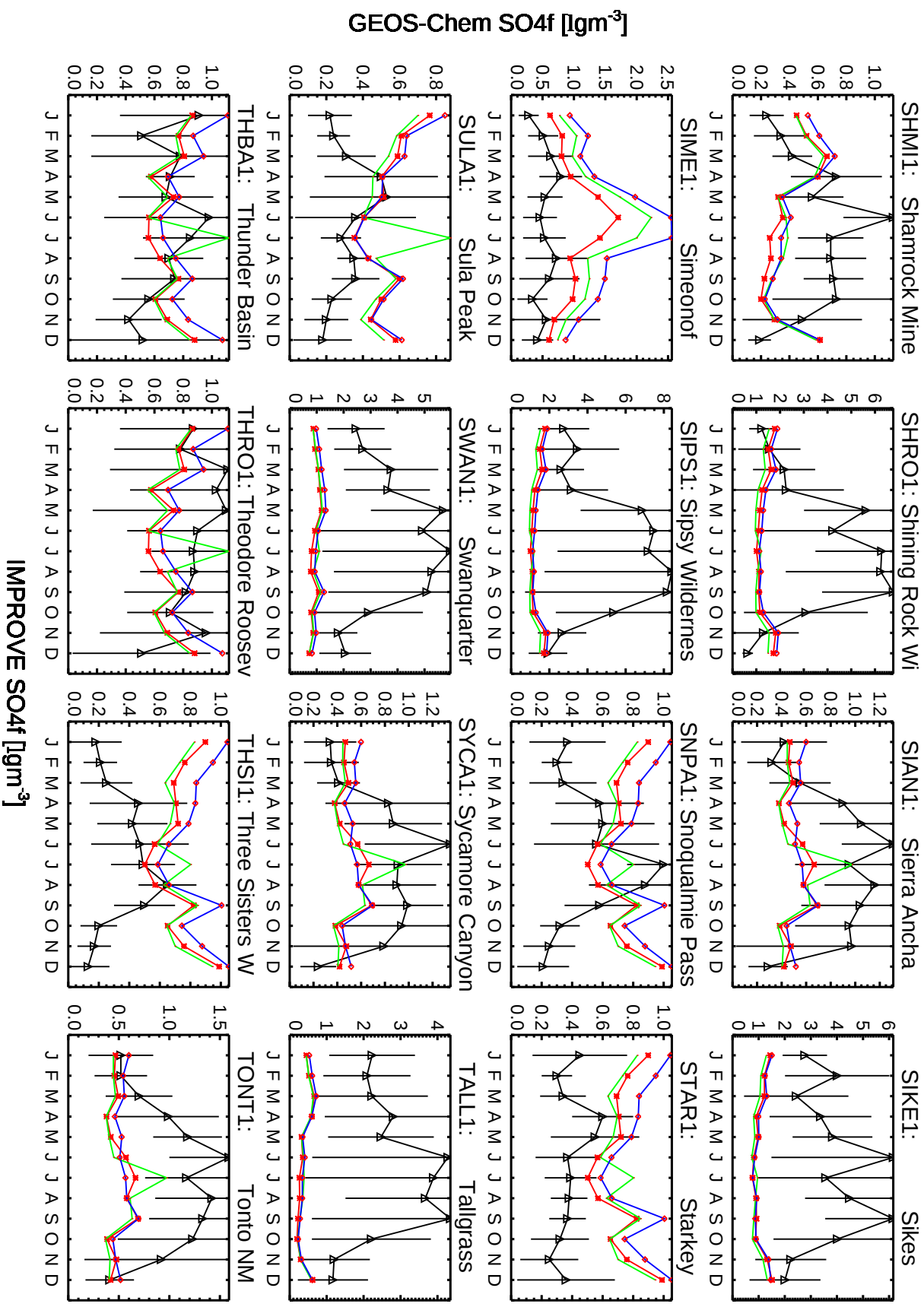
Red: GCC_13.2.0 (2019); Green: GCC_13.3.0 (2019); Blue: GCC_13.4.0 (2019)



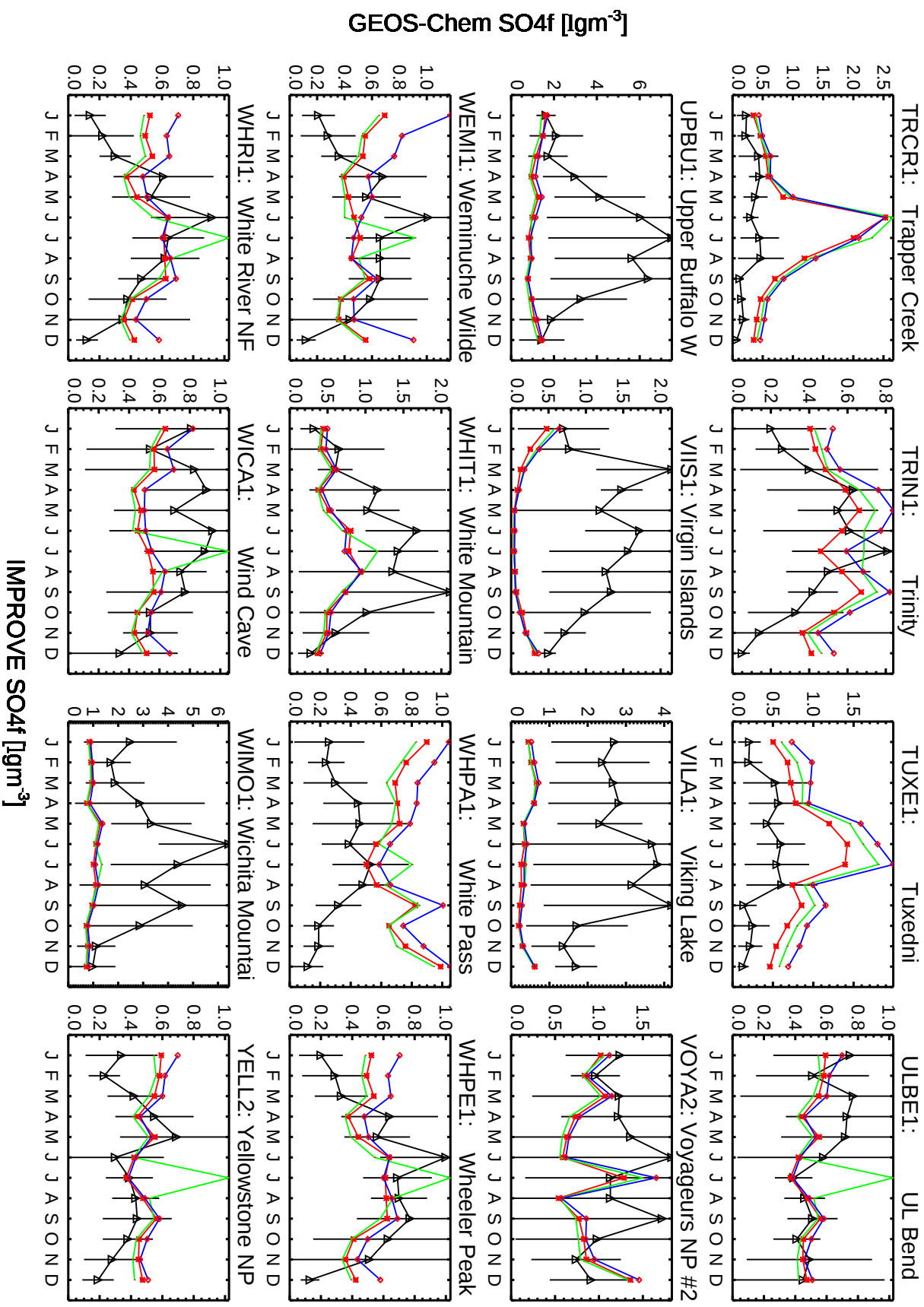
Red: GCC_13.2.0 (2019); Green: GCC_13.3.0 (2019); Blue: GCC_13.4.0 (2019)



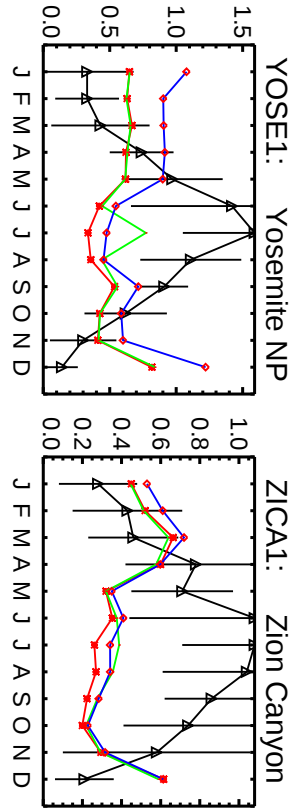
Red: GCC_13.2.0 (2019); Green: GCC_13.3.0 (2019); Blue: GCC_13.4.0 (2019)



Red: GCC_13.2.0 (2019); Green: GCC_13.3.0 (2019); Blue: GCC_13.4.0 (2019)



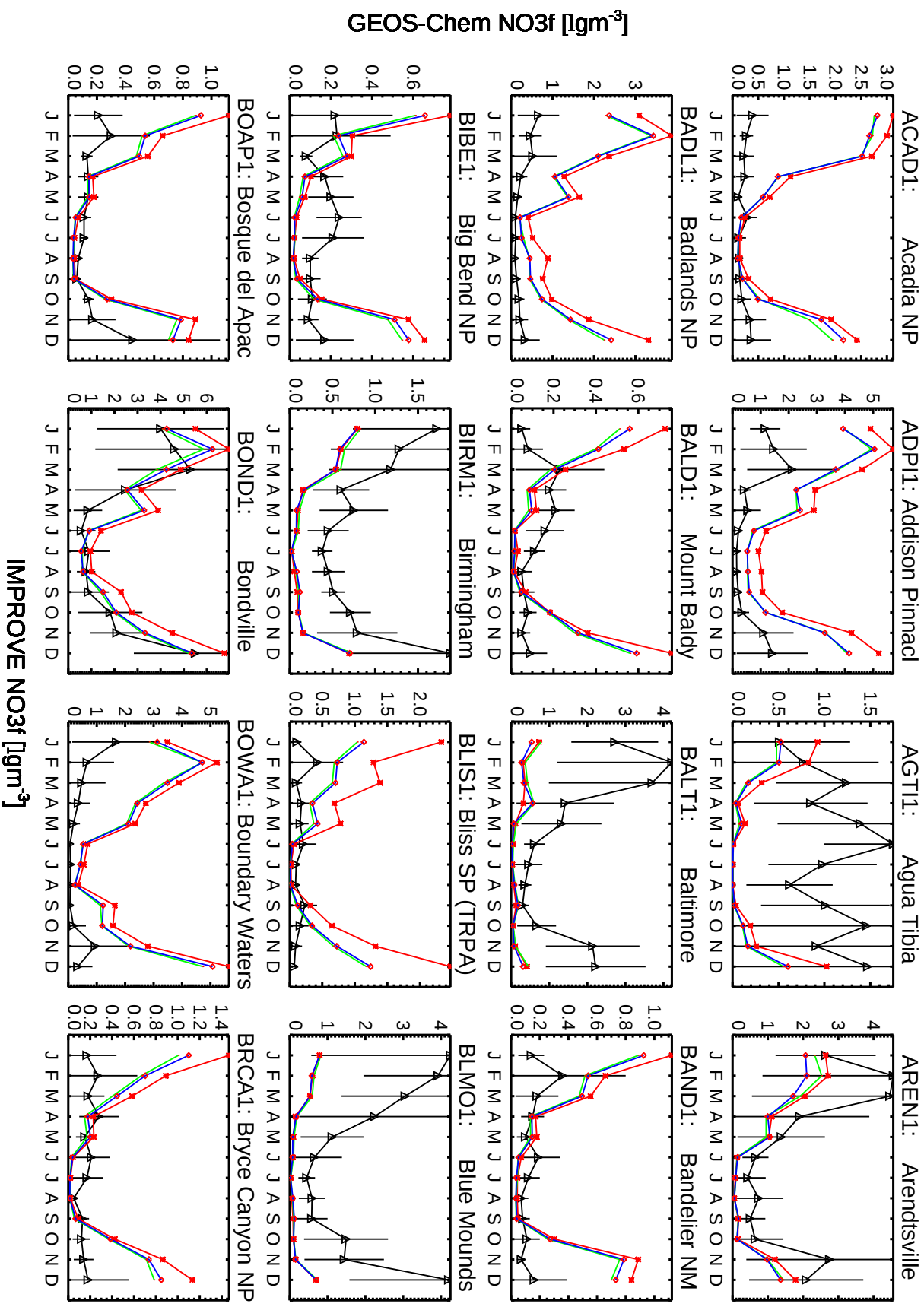
Red: GCC_13.2.0 (2019); Green: GCC_13.3.0 (2019); Blue: GCC_13.4.0 (2019)



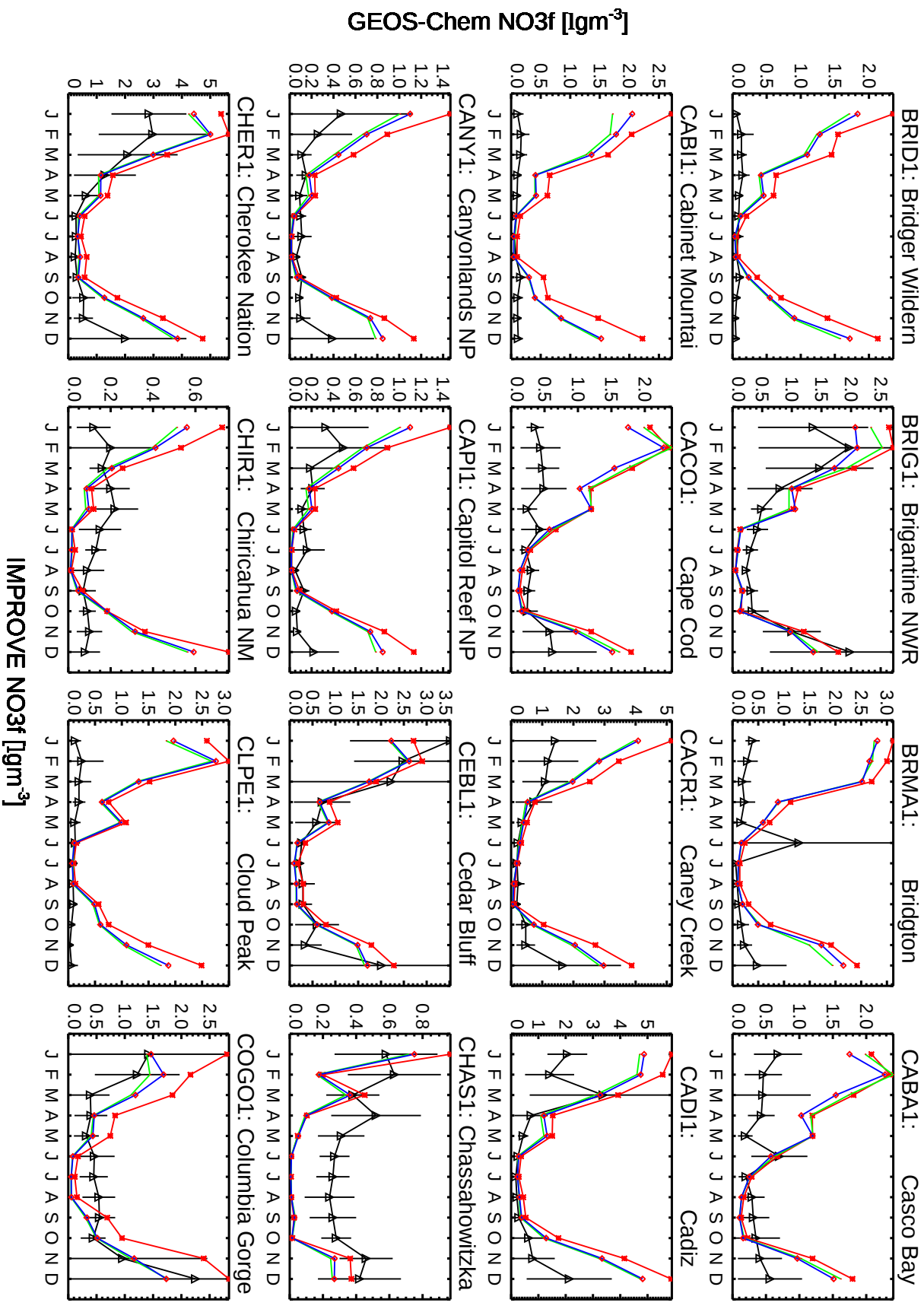
GEOS-Chem SO4f [$\mu\text{g m}^{-3}$]

IMPROVE SO4f [$\mu\text{g m}^{-3}$]

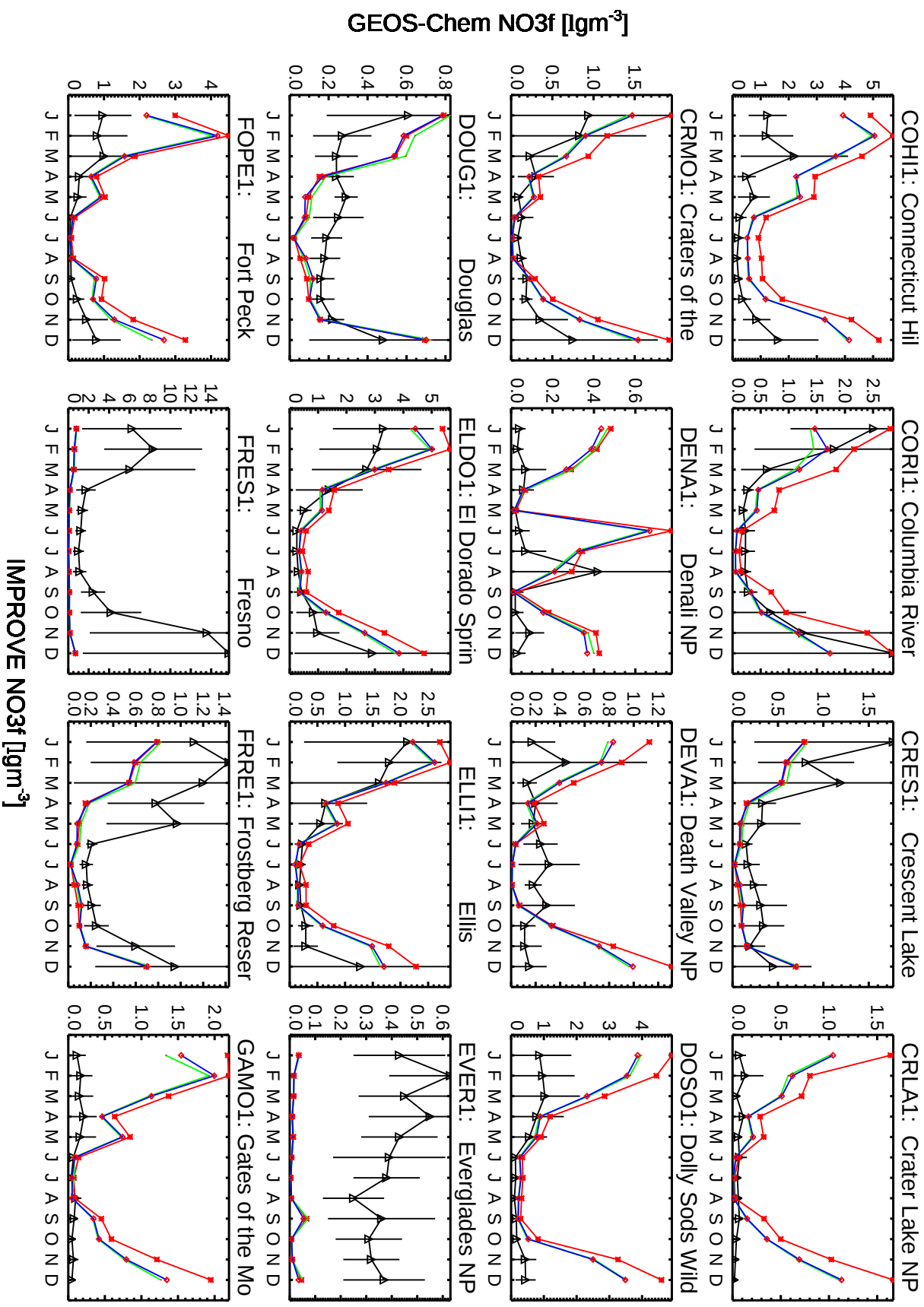
Red: GCC_13.2.0 (2019); Green: GCC_13.3.0 (2019); Blue: GCC_13.4.0 (2019)



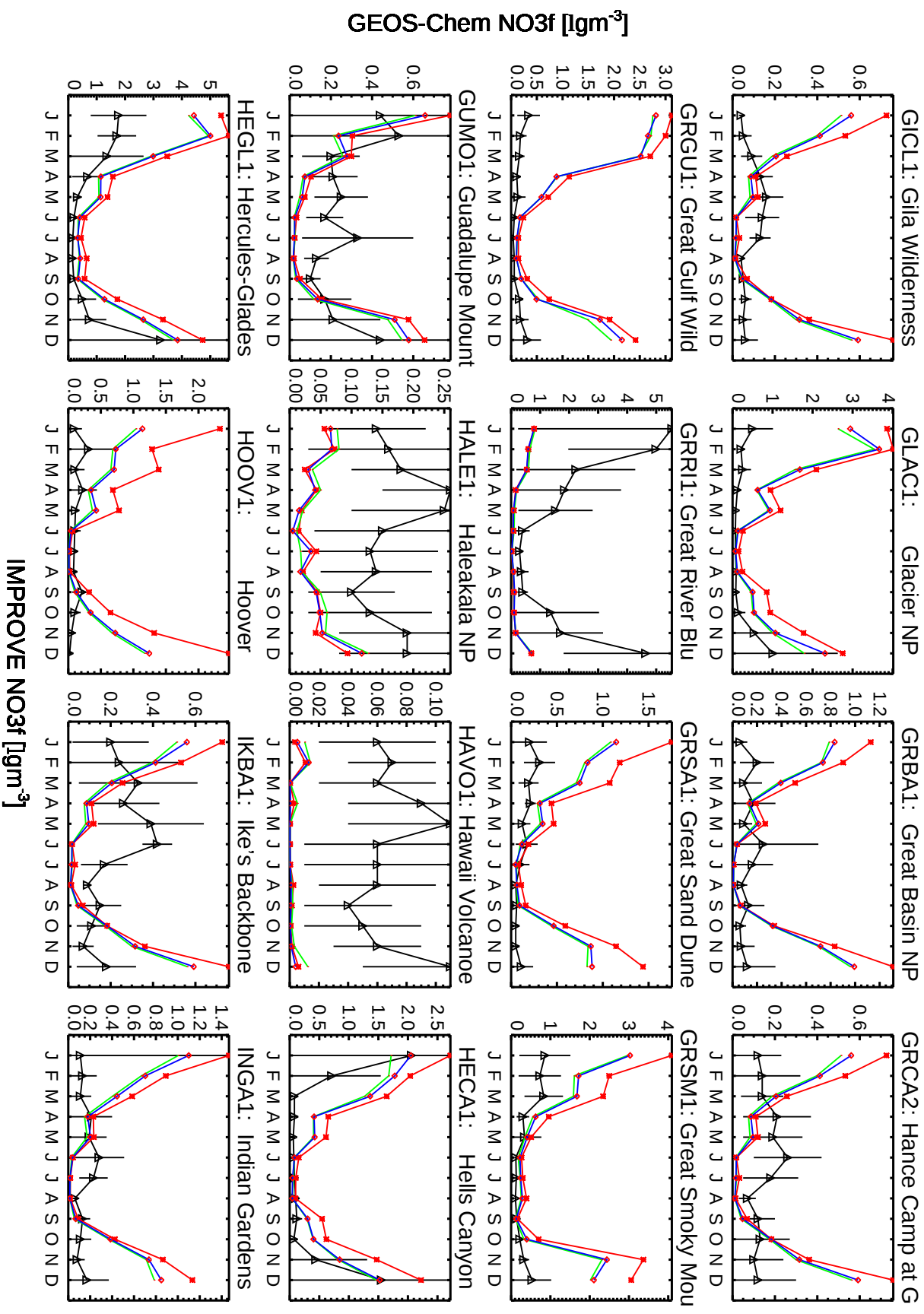
Red: GCC_13.2.0 (2019); Green: GCC_13.3.0 (2019); Blue: GCC_13.4.0 (2019)



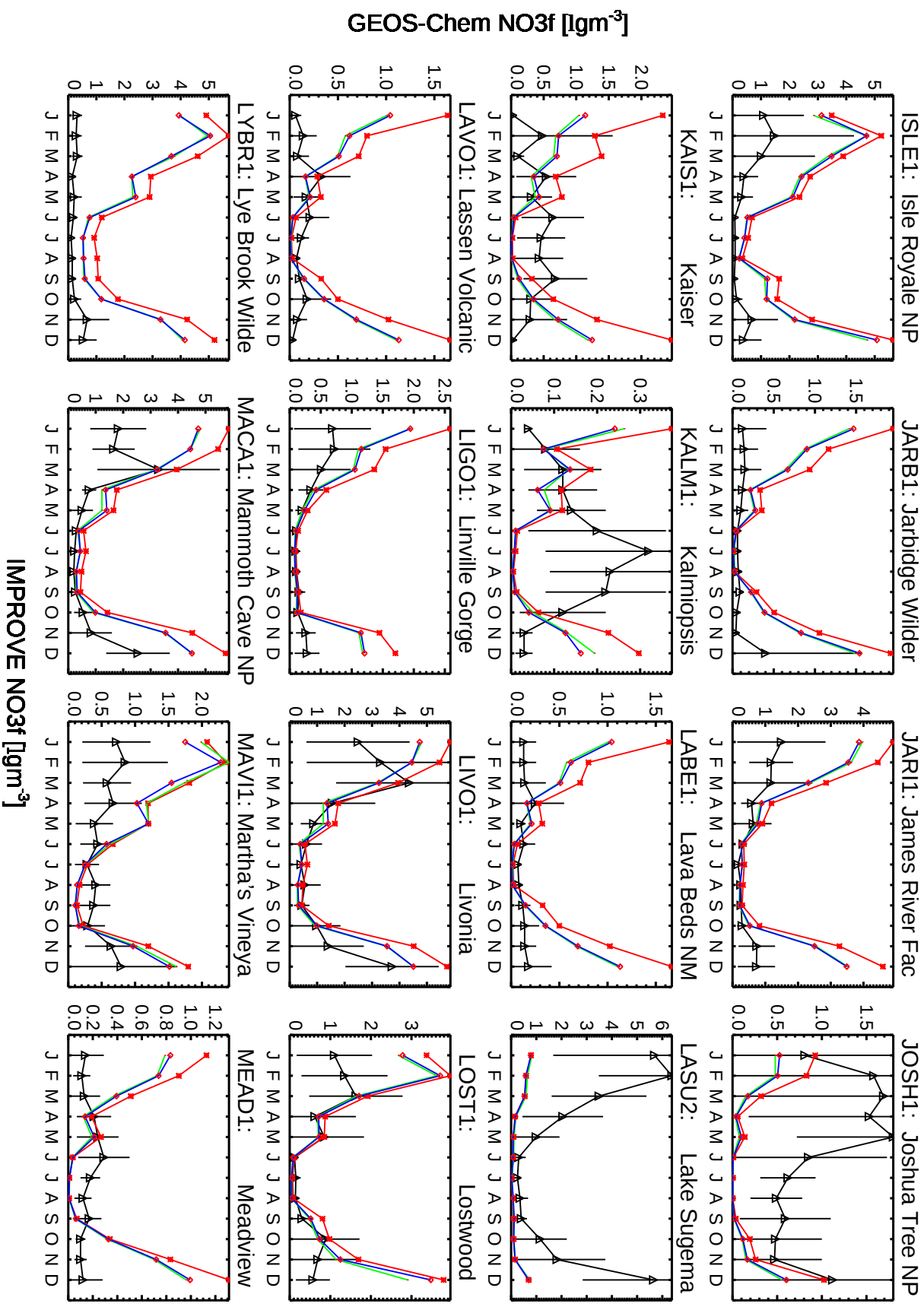
Red: GCC_13.2.0 (2019); Green: GCC_13.3.0 (2019); Blue: GCC_13.4.0 (2019)



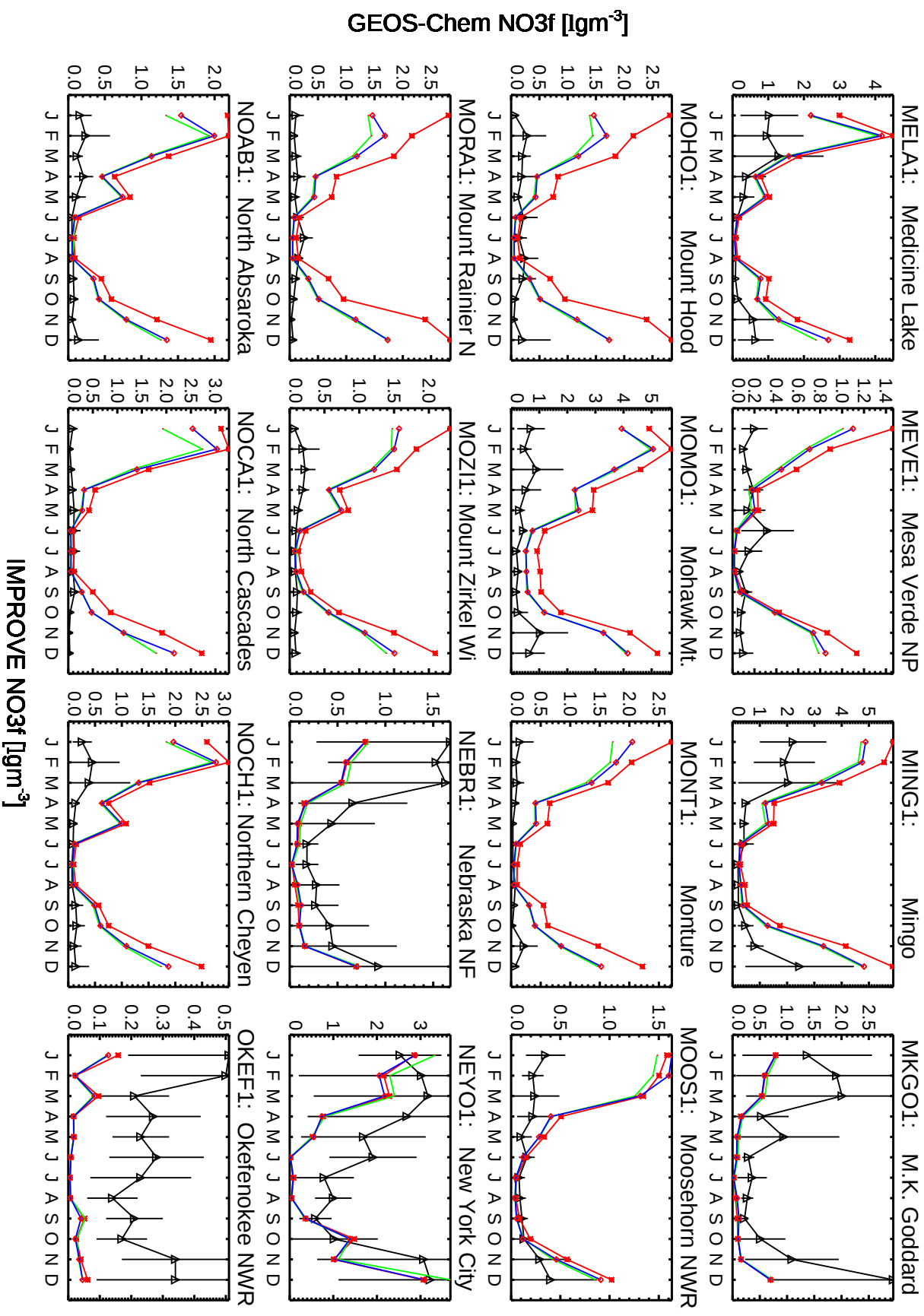
Red: GCC_13.2.0 (2019); Green: GCC_13.3.0 (2019); Blue: GCC_13.4.0 (2019)



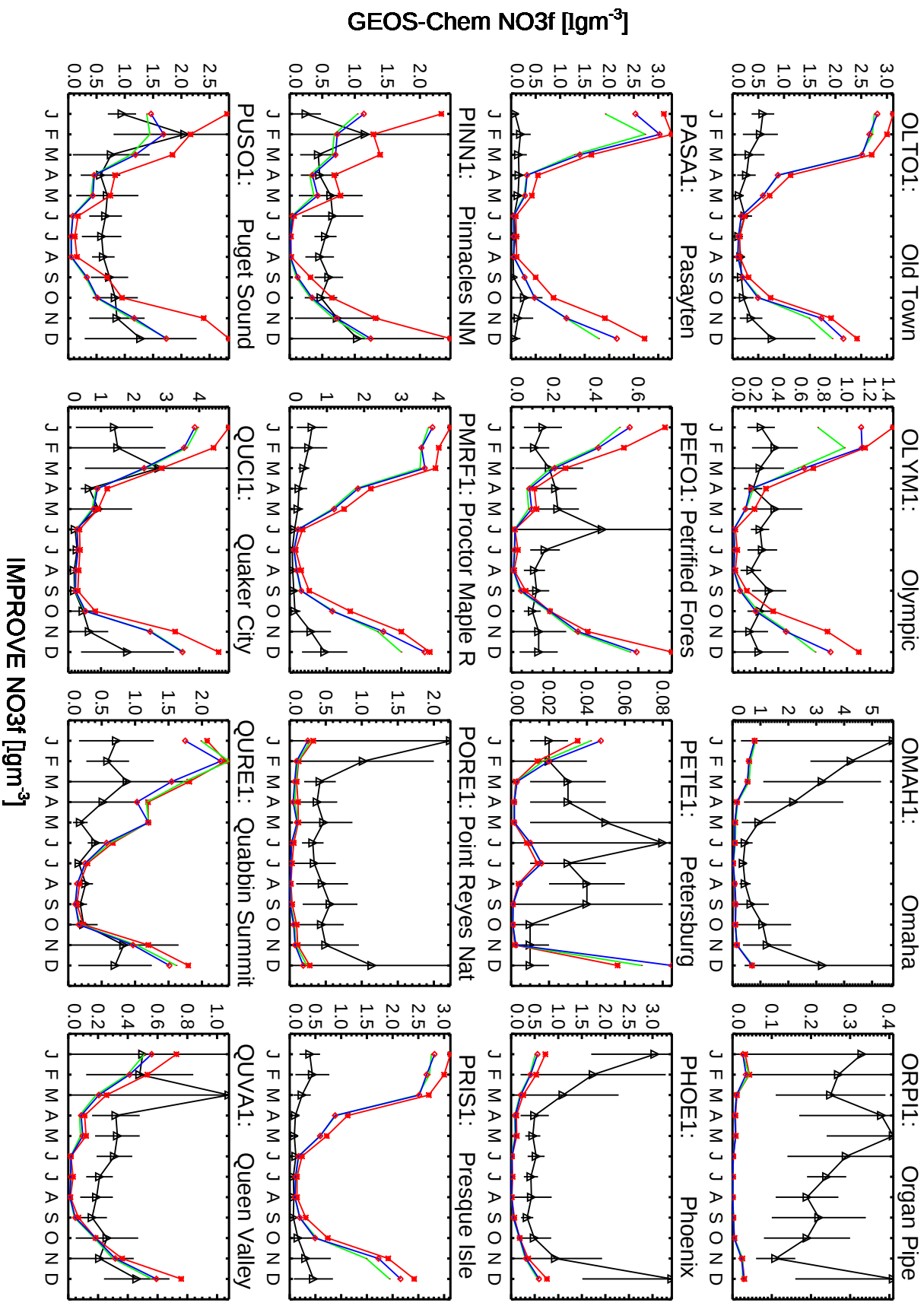
Red: GCC_13.2.0 (2019); Green: GCC_13.3.0 (2019); Blue: GCC_13.4.0 (2019)



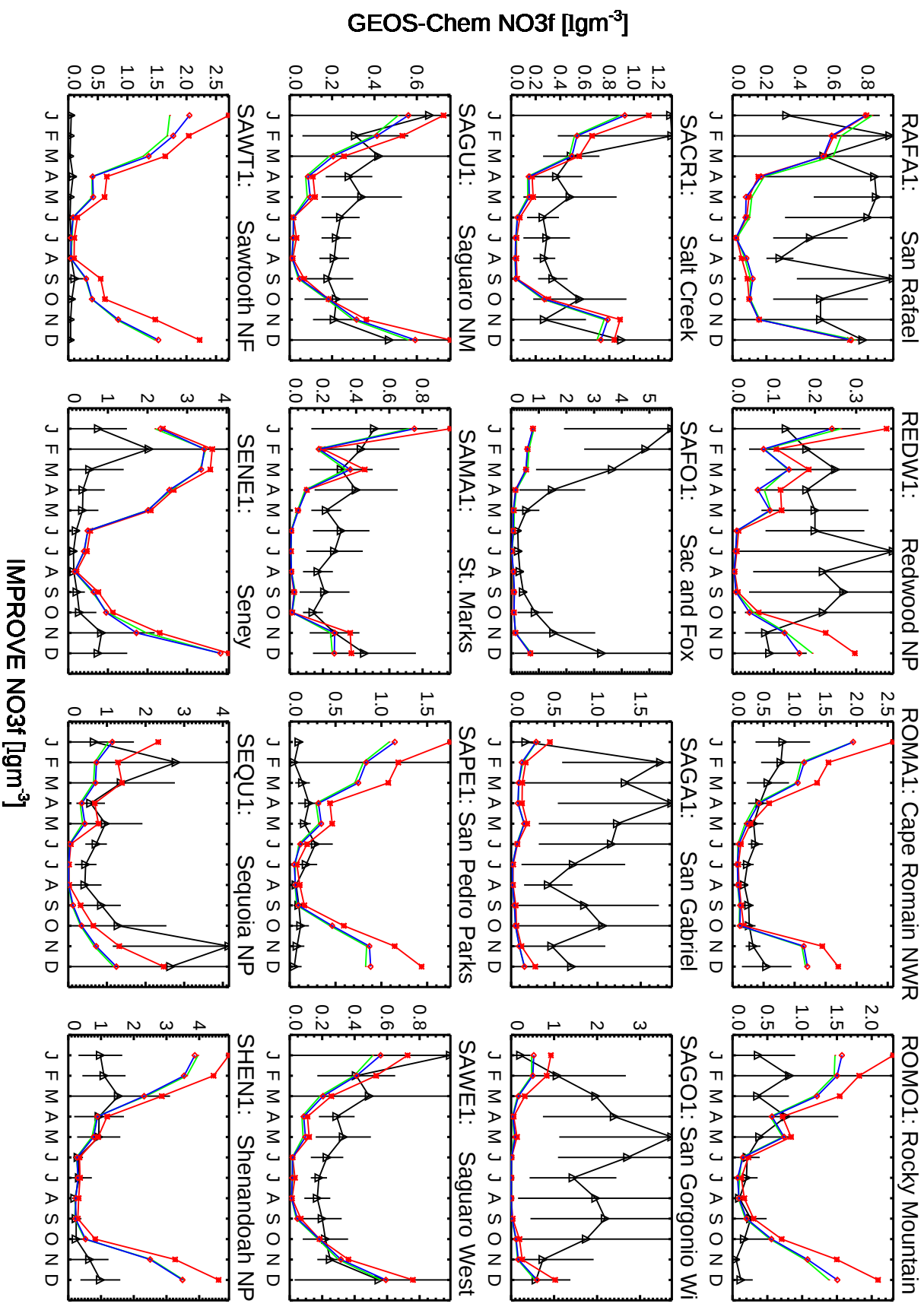
Red: GCC_13.2.0 (2019); Green: GCC_13.3.0 (2019); Blue: GCC_13.4.0 (2019)



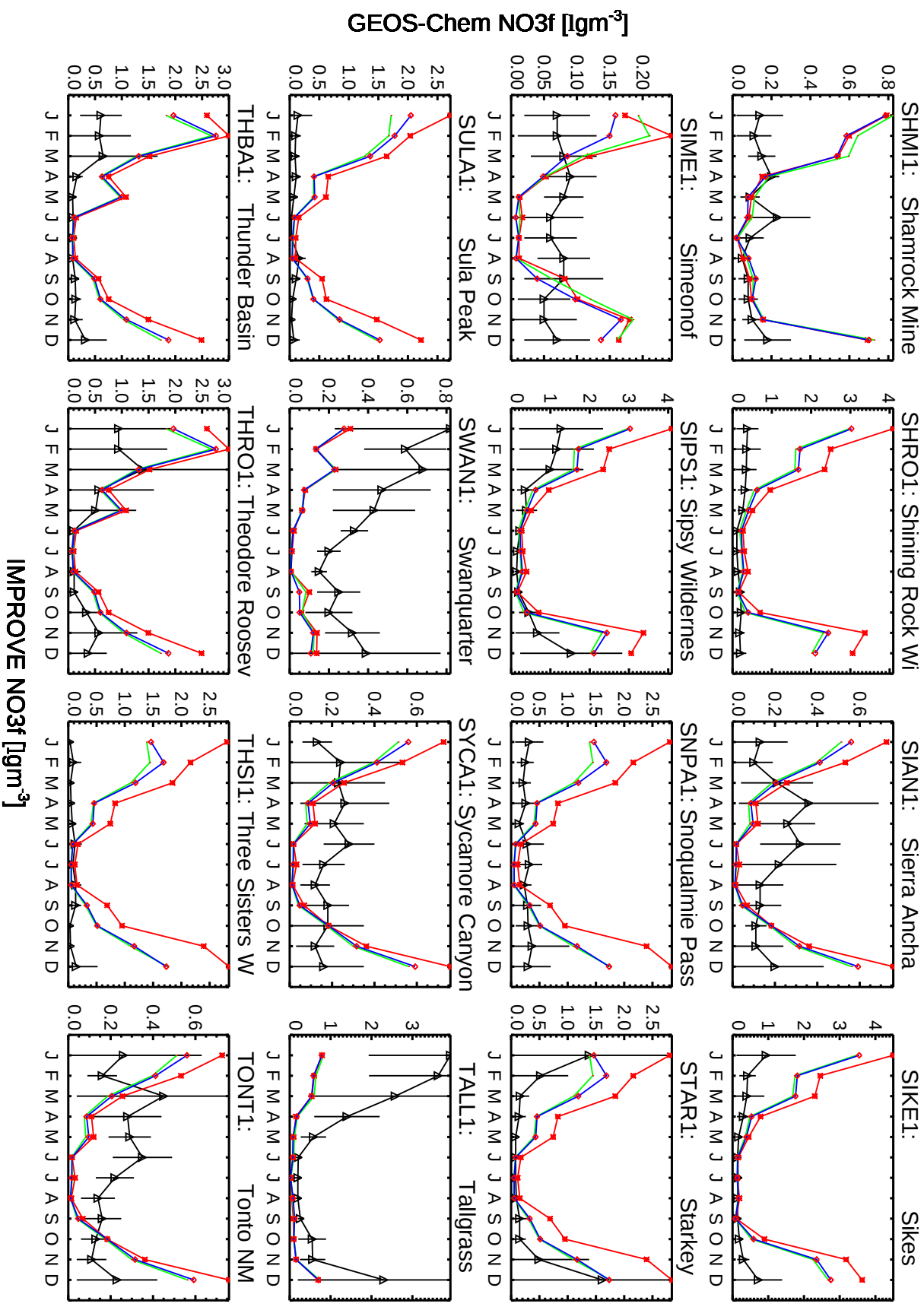
Red: GCC_13.2.0 (2019); Green: GCC_13.3.0 (2019); Blue: GCC_13.4.0 (2019)



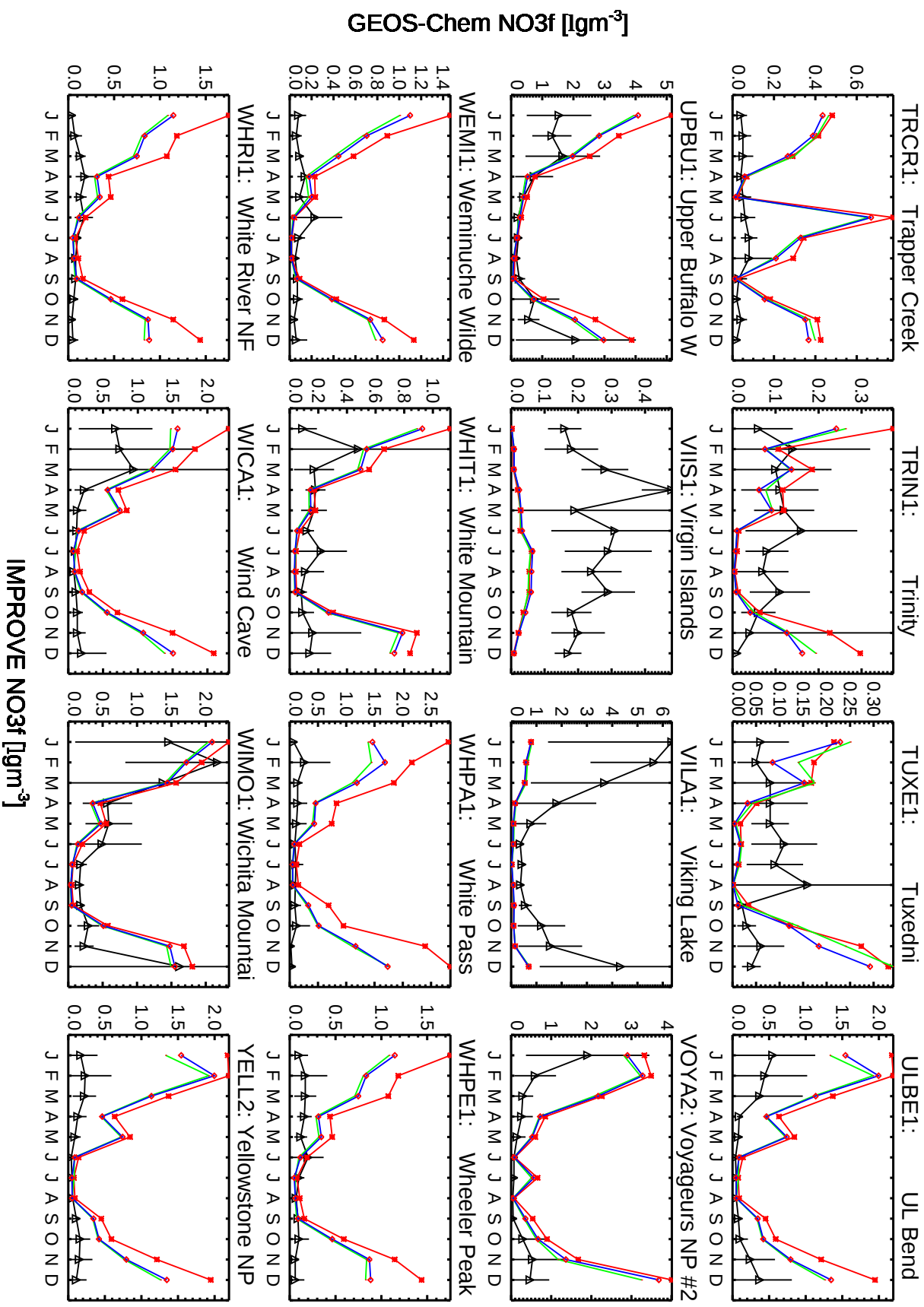
Red: GCC_13.2.0 (2019); Green: GCC_13.3.0 (2019); Blue: GCC_13.4.0 (2019)



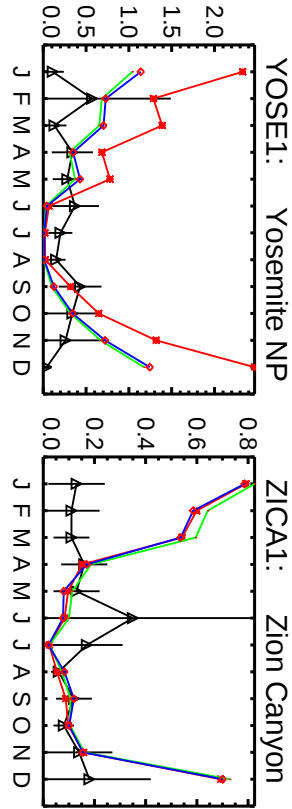
Red: GCC_13.2.0 (2019); Green: GCC_13.3.0 (2019); Blue: GCC_13.4.0 (2019)



Red: GCC_13.2.0 (2019); Green: GCC_13.3.0 (2019); Blue: GCC_13.4.0 (2019)



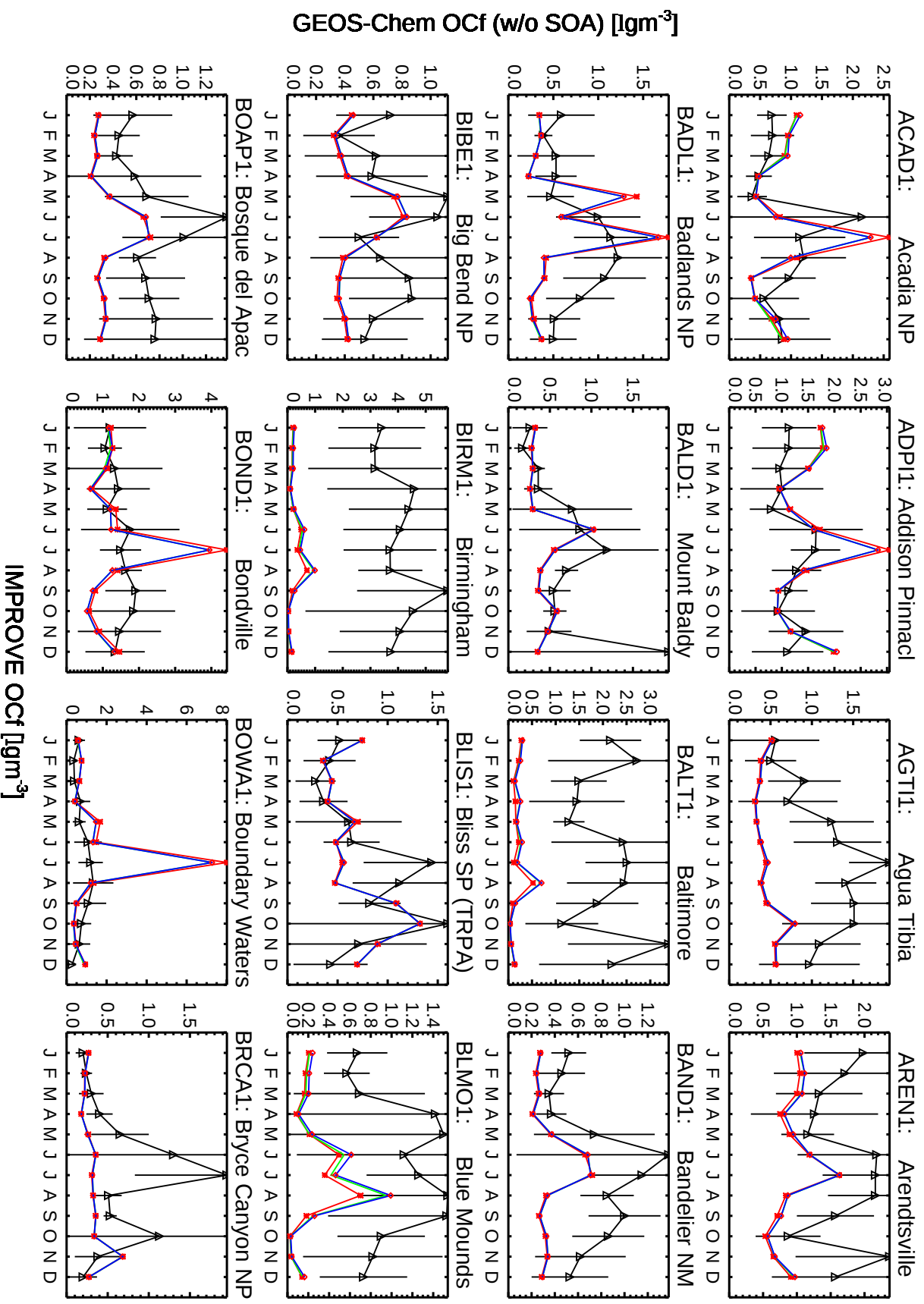
Red: GCC_13.2.0 (2019); Green: GCC_13.3.0 (2019); Blue: GCC_13.4.0 (2019)



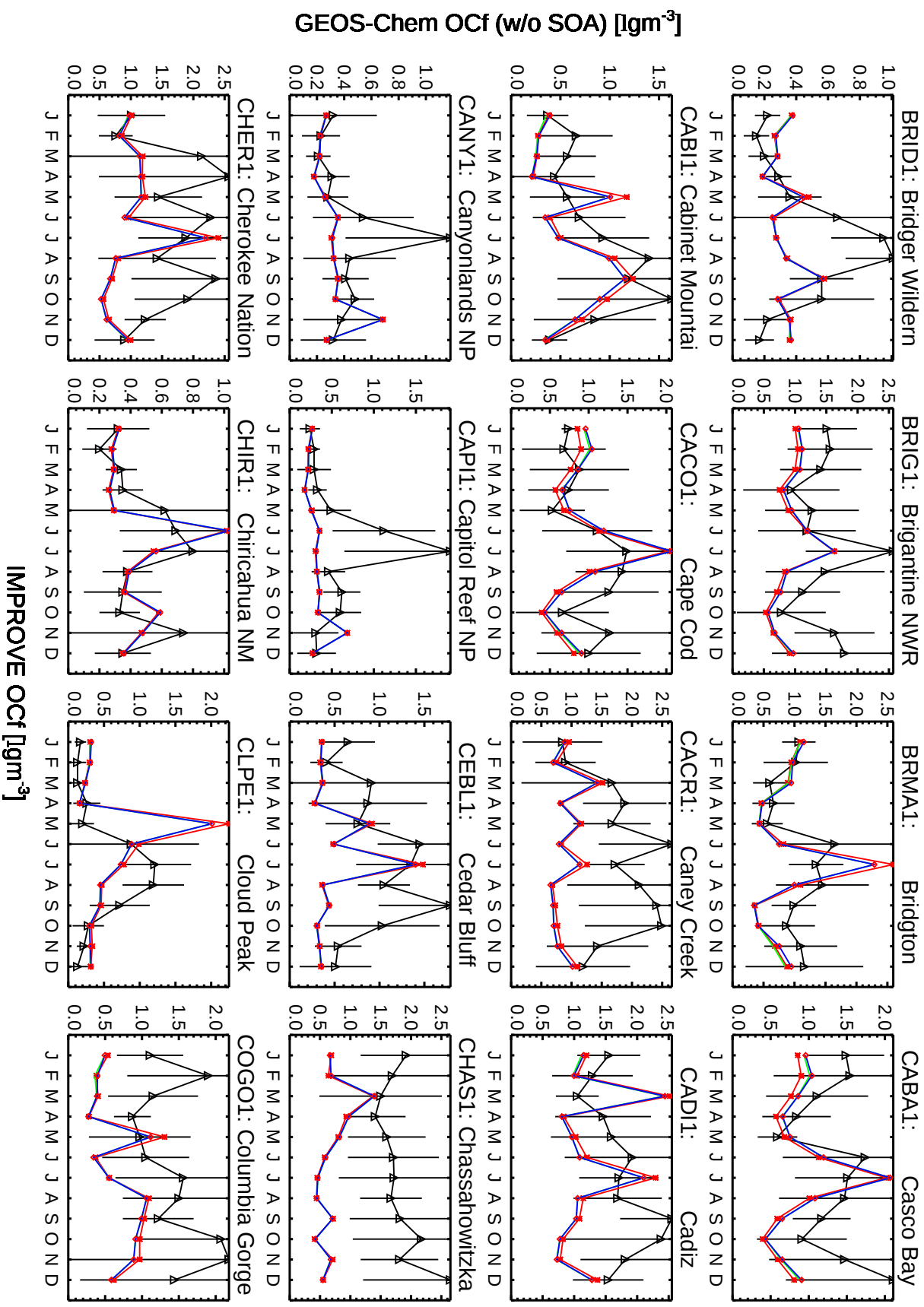
GEOS-Chem NO3f [$\mu\text{g m}^{-3}$]

IMPROVE NO3f [$\mu\text{g m}^{-3}$]

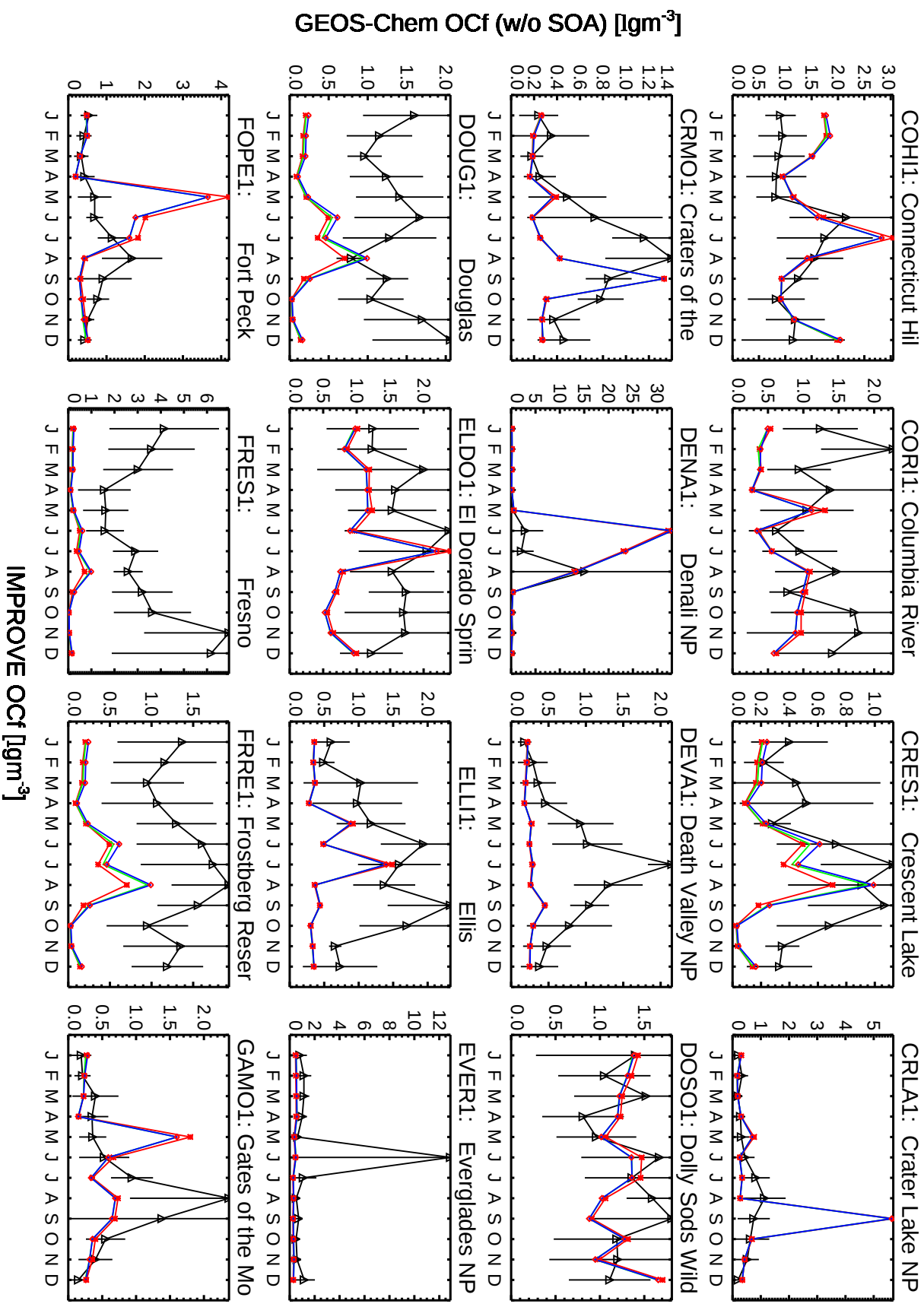
Red: GCC_13.2.0 (2019); Green: GCC_13.3.0 (2019); Blue: GCC_13.4.0 (2019)



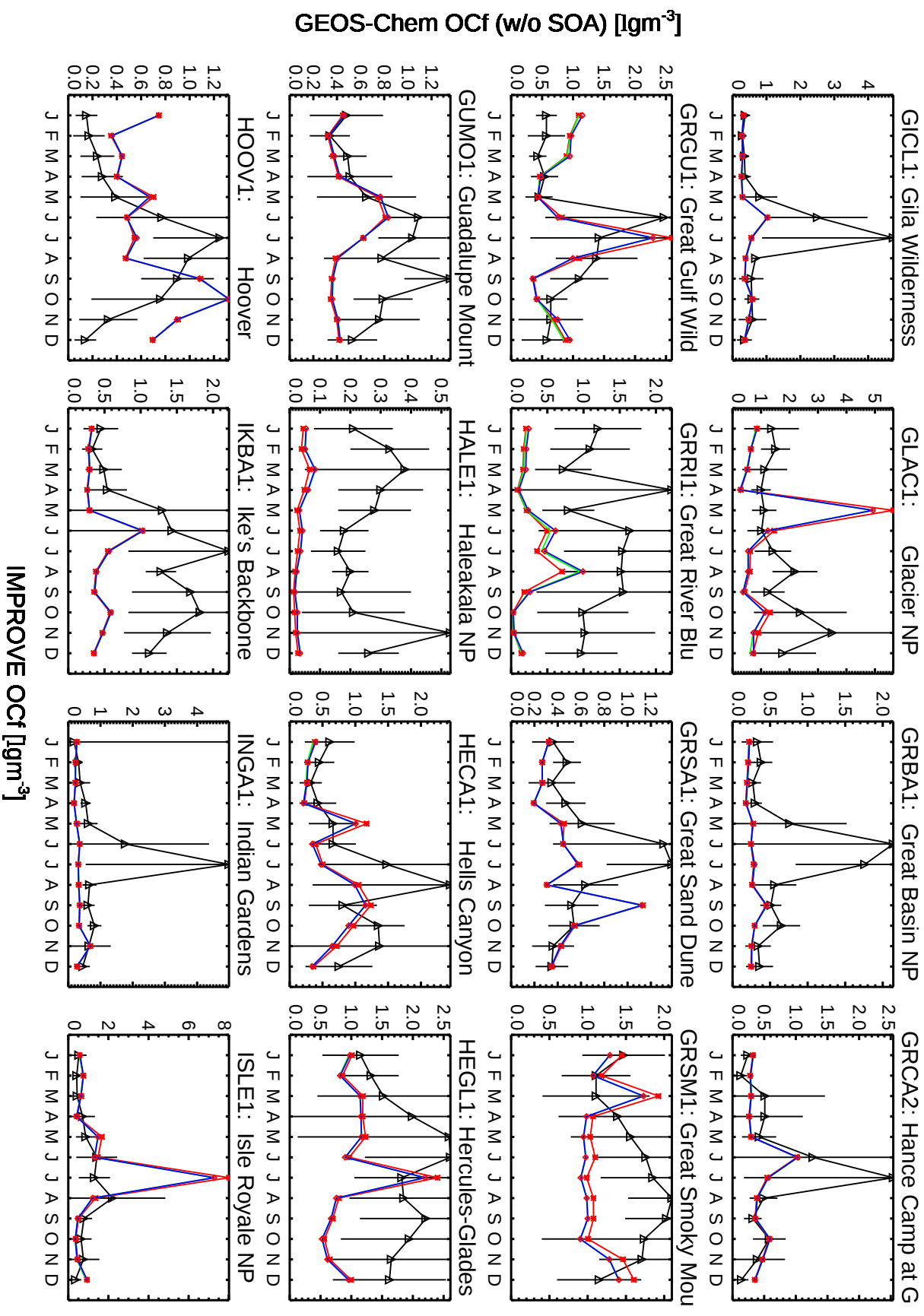
Red: GCC_13.2.0 (2019); Green: GCC_13.3.0 (2019); Blue: GCC_13.4.0 (2019)



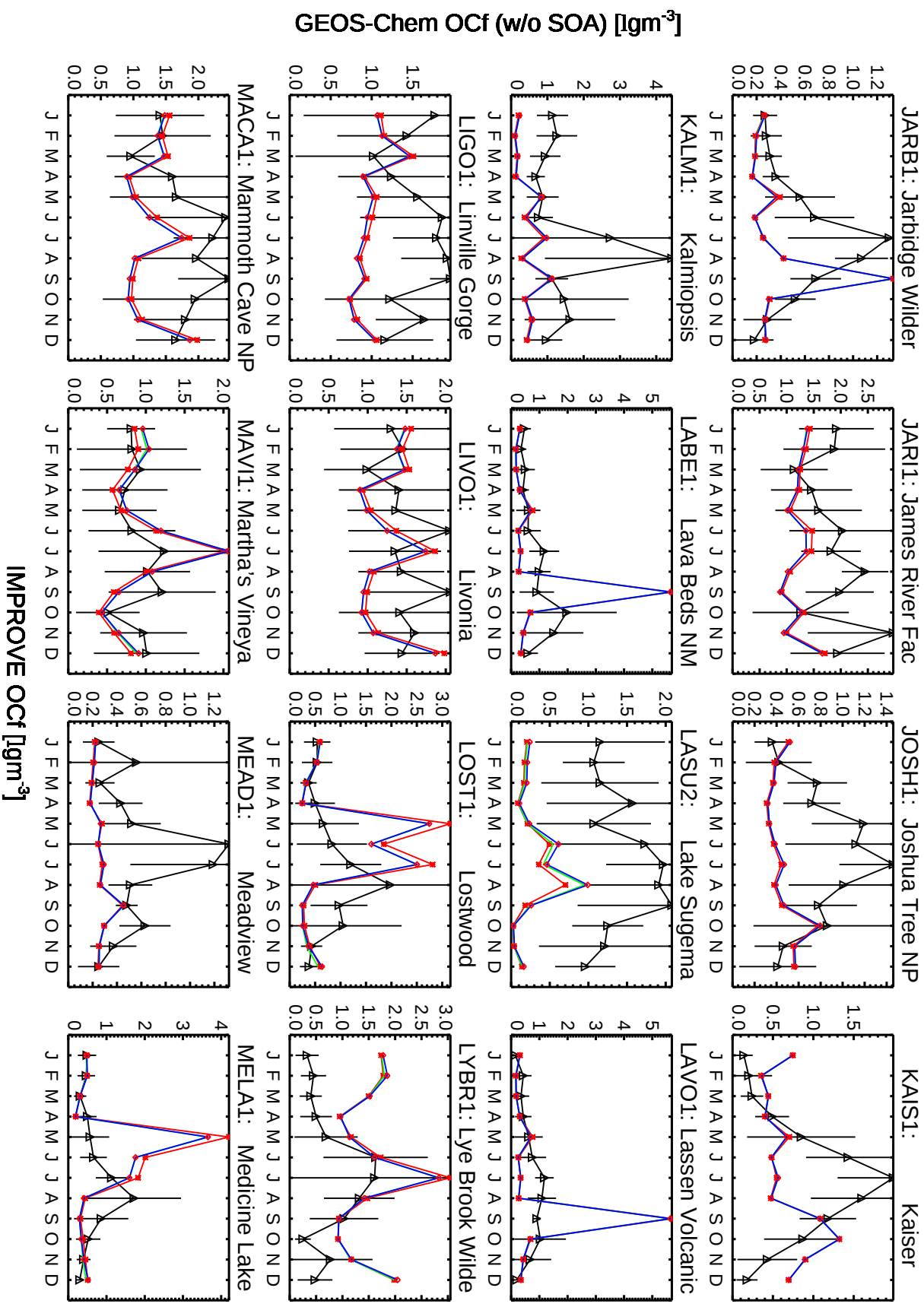
Red: GCC_13.2.0 (2019); Green: GCC_13.3.0 (2019); Blue: GCC_13.4.0 (2019)



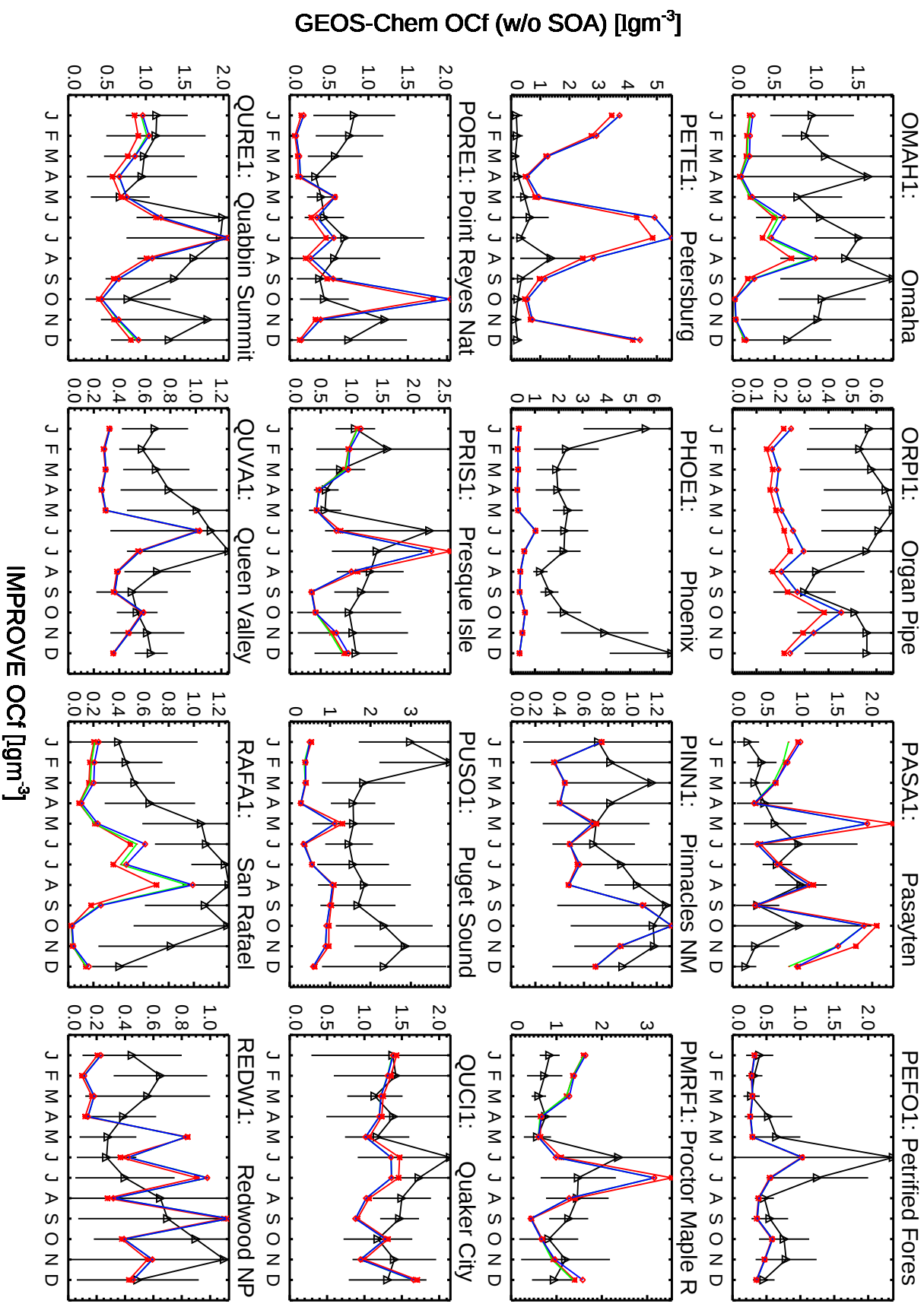
Red: GCC_13.2.0 (2019); Green: GCC_13.3.0 (2019); Blue: GCC_13.4.0 (2019)



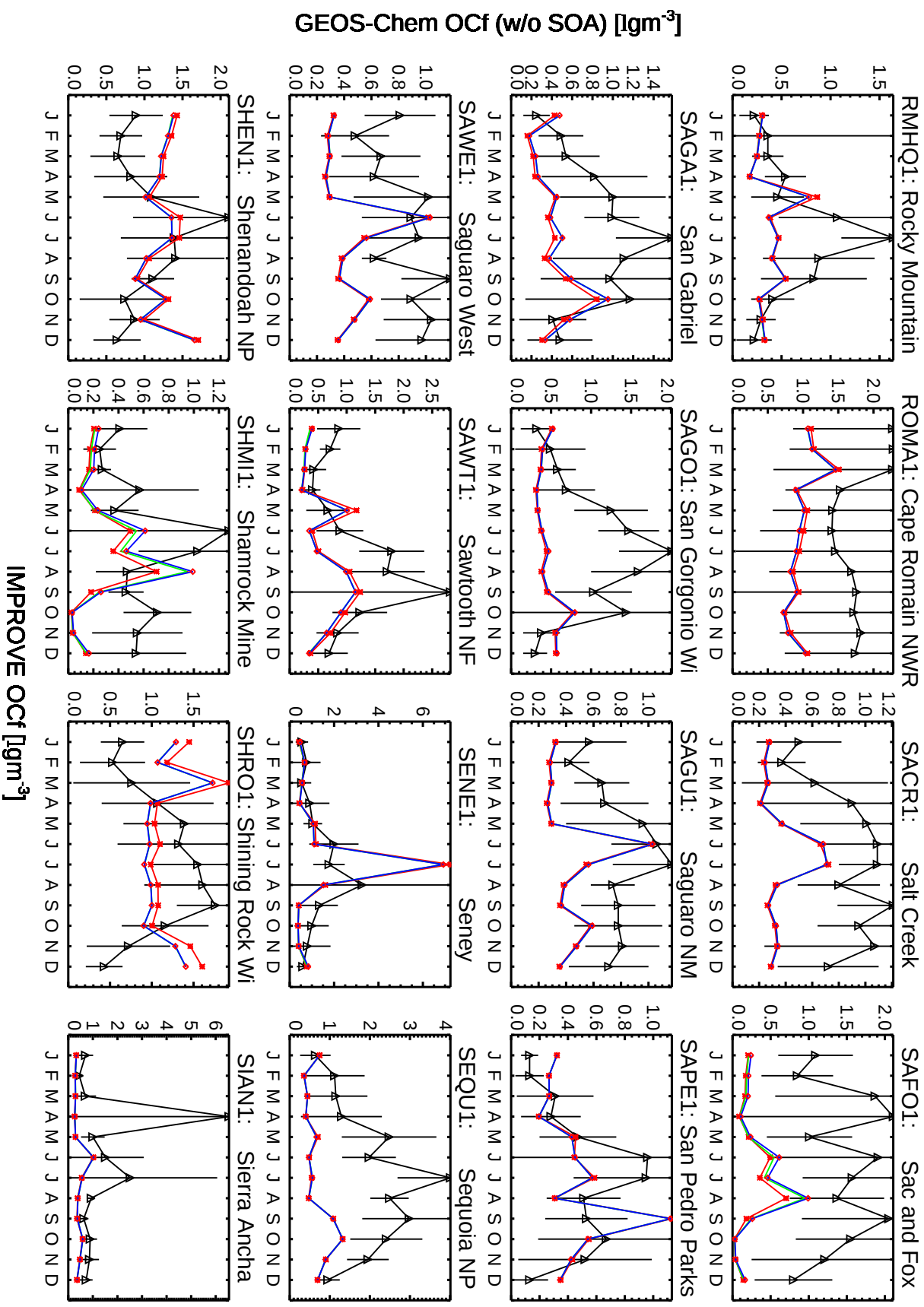
Red: GCC_13.2.0 (2019); Green: GCC_13.3.0 (2019); Blue: GCC_13.4.0 (2019)



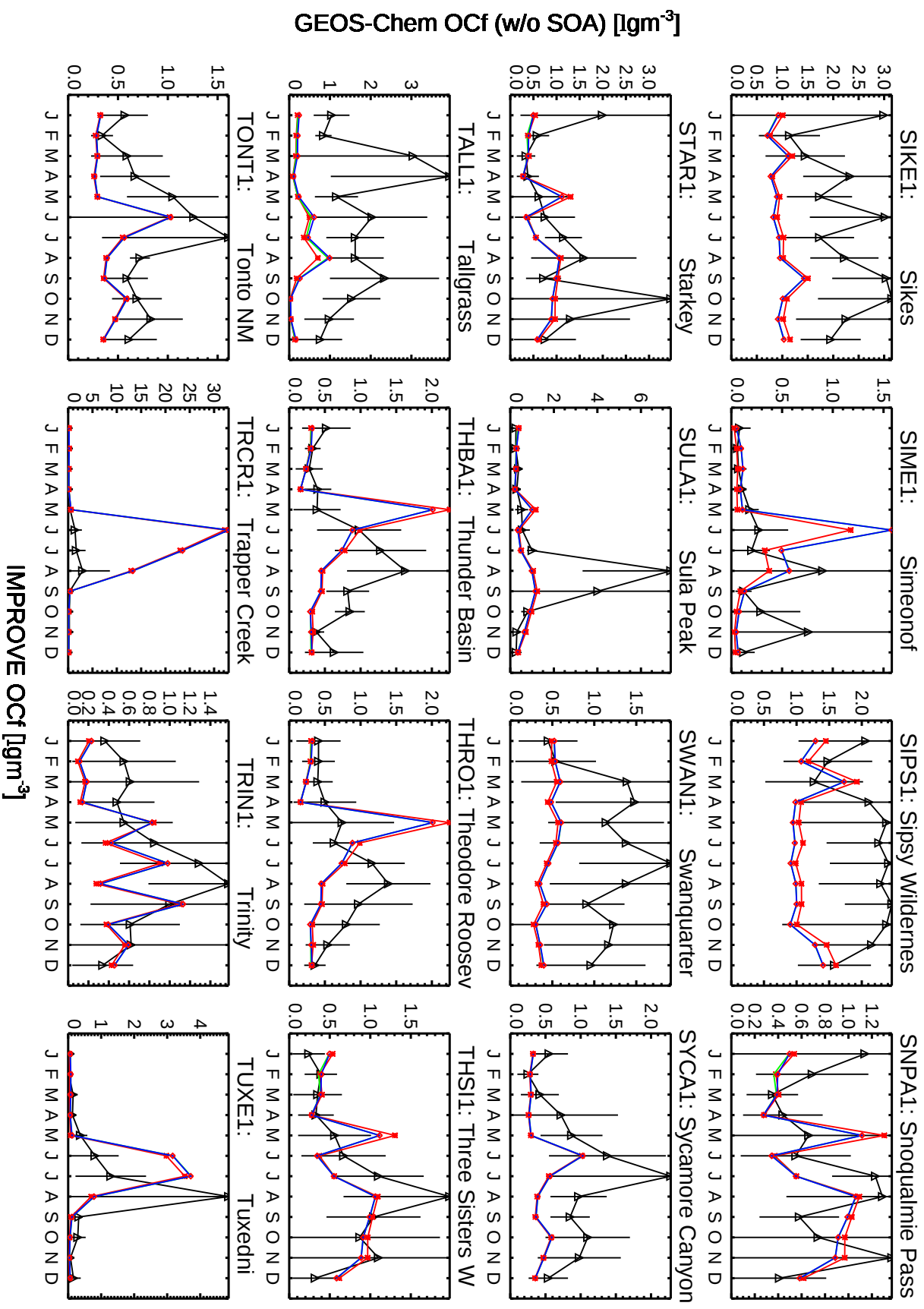
Red: GCC_13.2.0 (2019); Green: GCC_13.3.0 (2019); Blue: GCC_13.4.0 (2019)



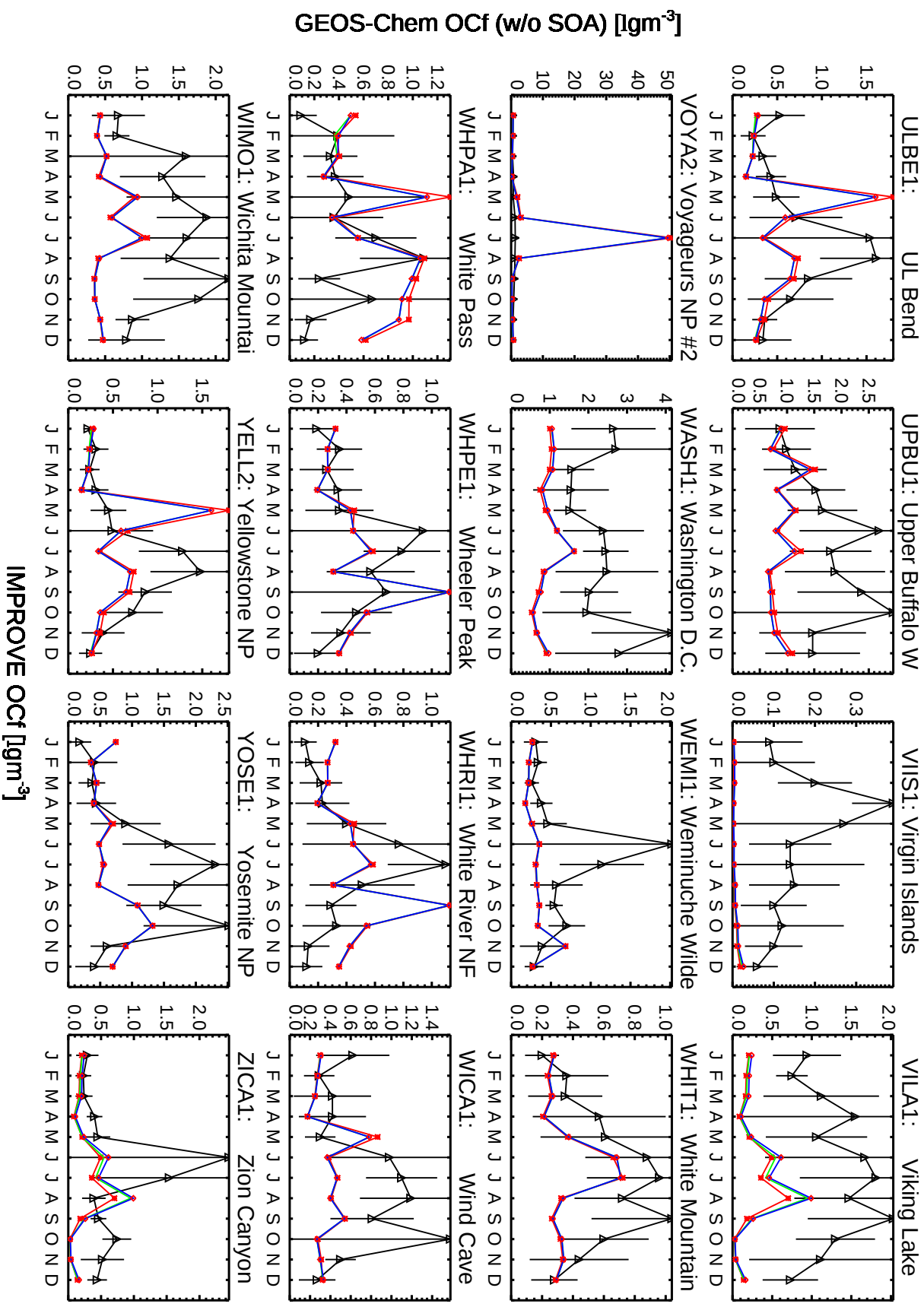
Red: GCC_13.2.0 (2019); Green: GCC_13.3.0 (2019); Blue: GCC_13.4.0 (2019)



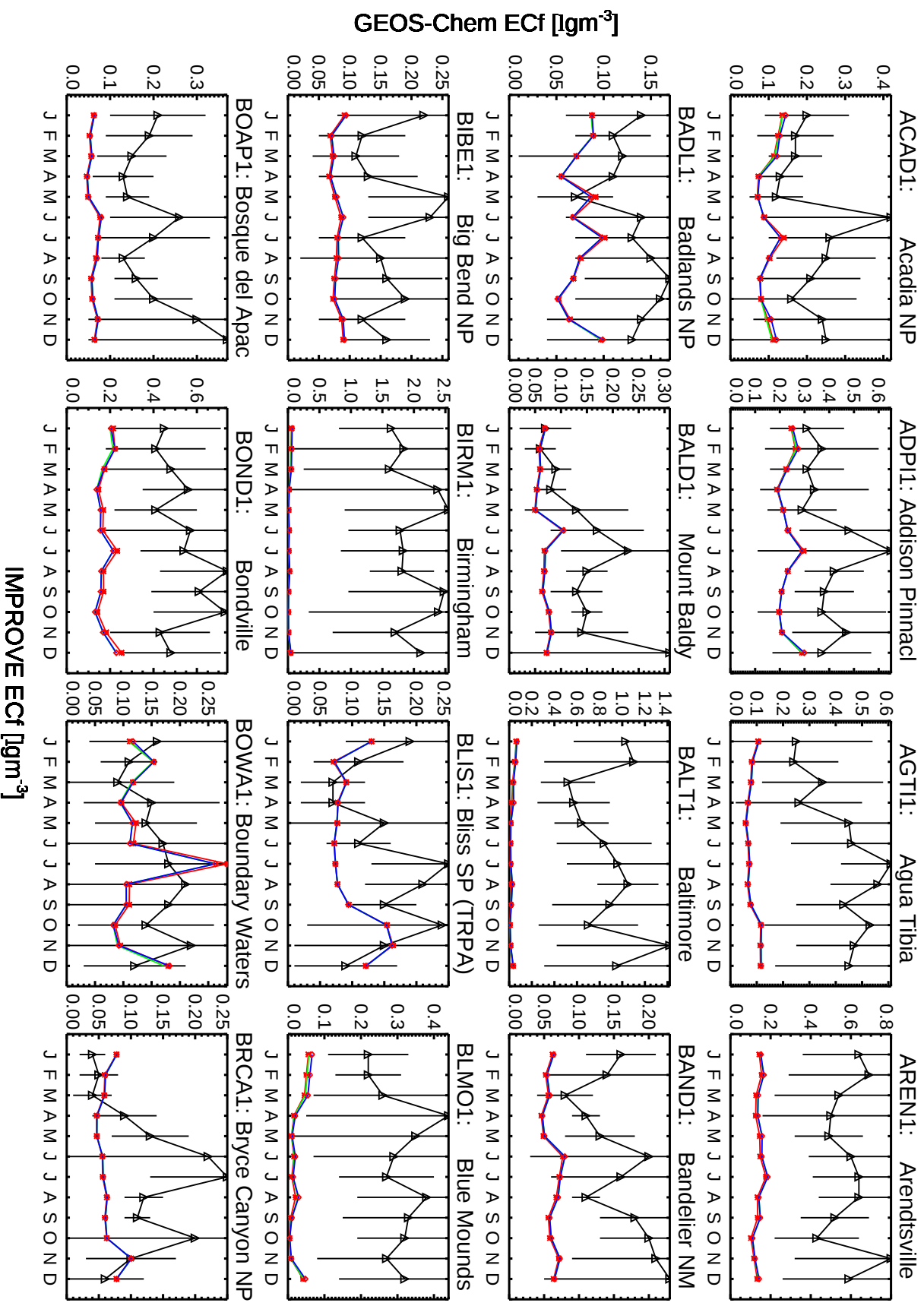
Red: GCC_13.2.0 (2019); Green: GCC_13.3.0 (2019); Blue: GCC_13.4.0 (2019)



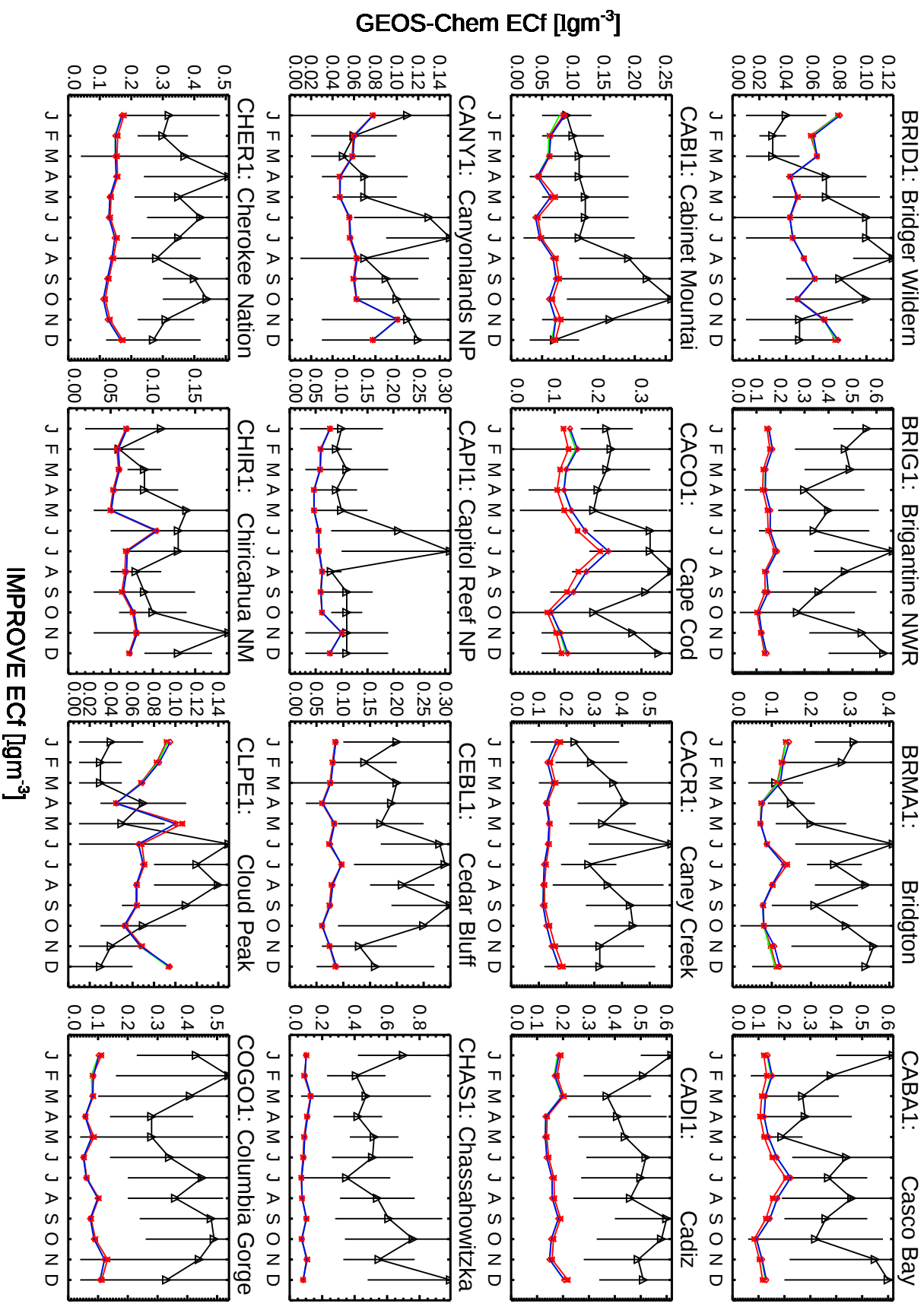
Red: GCC_13.2.0 (2019); Green: GCC_13.3.0 (2019); Blue: GCC_13.4.0 (2019)



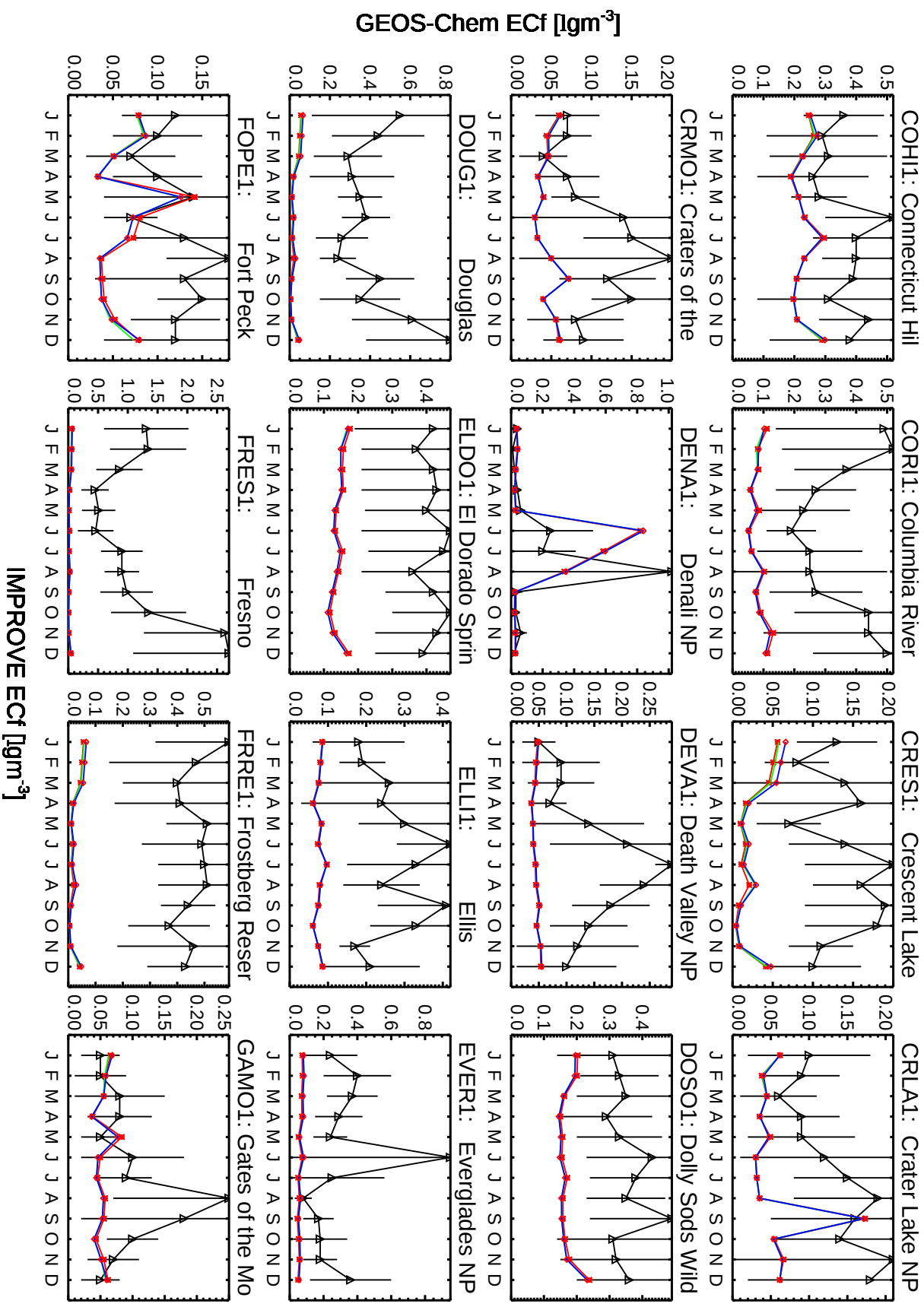
Red: GCC_13.2.0 (2019); Green: GCC_13.3.0 (2019); Blue: GCC_13.4.0 (2019)



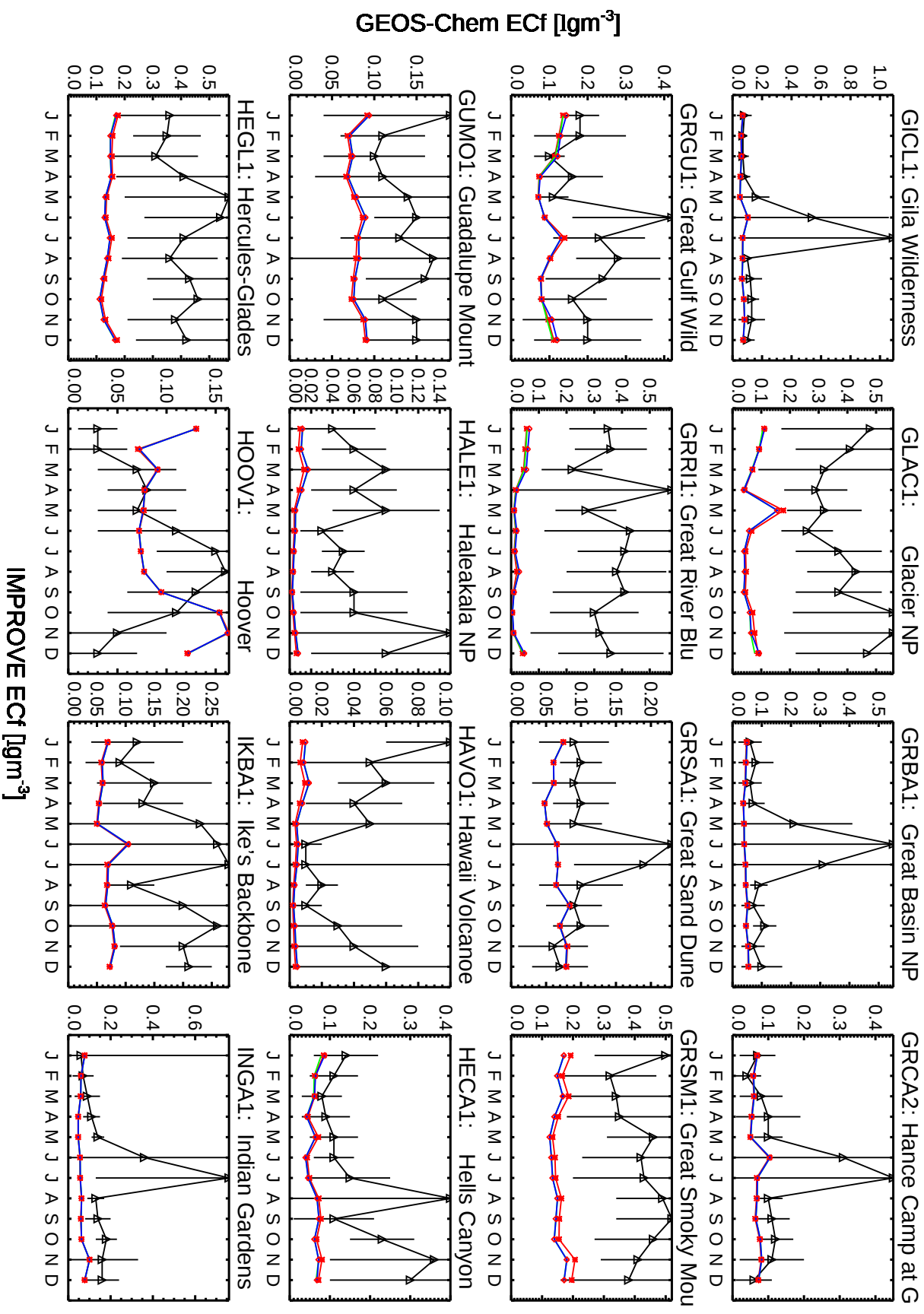
Red: GCC_13.2.0 (2019); Green: GCC_13.3.0 (2019); Blue: GCC_13.4.0 (2019)



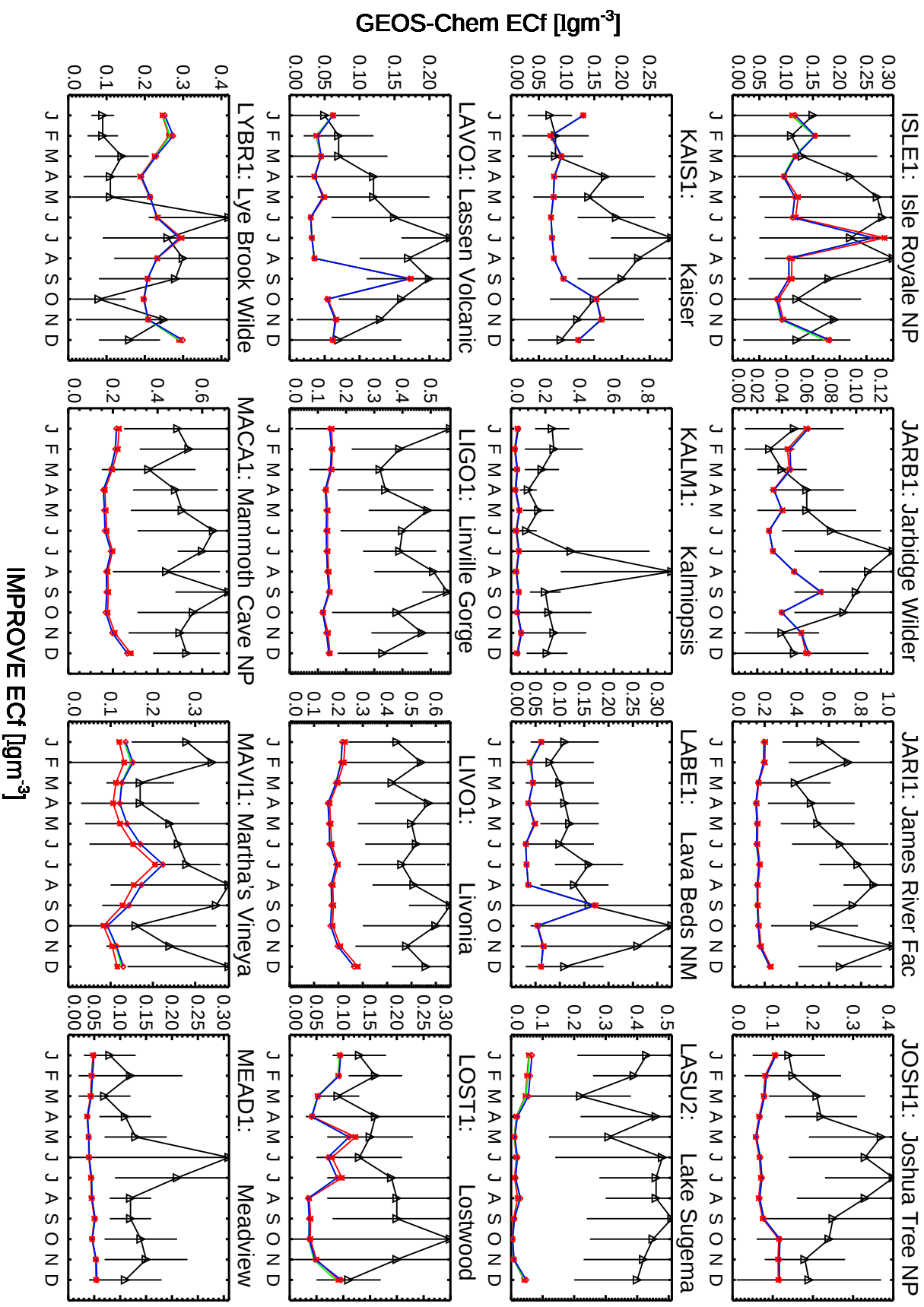
Red: GCC_13.2.0 (2019); Green: GCC_13.3.0 (2019); Blue: GCC_13.4.0 (2019)



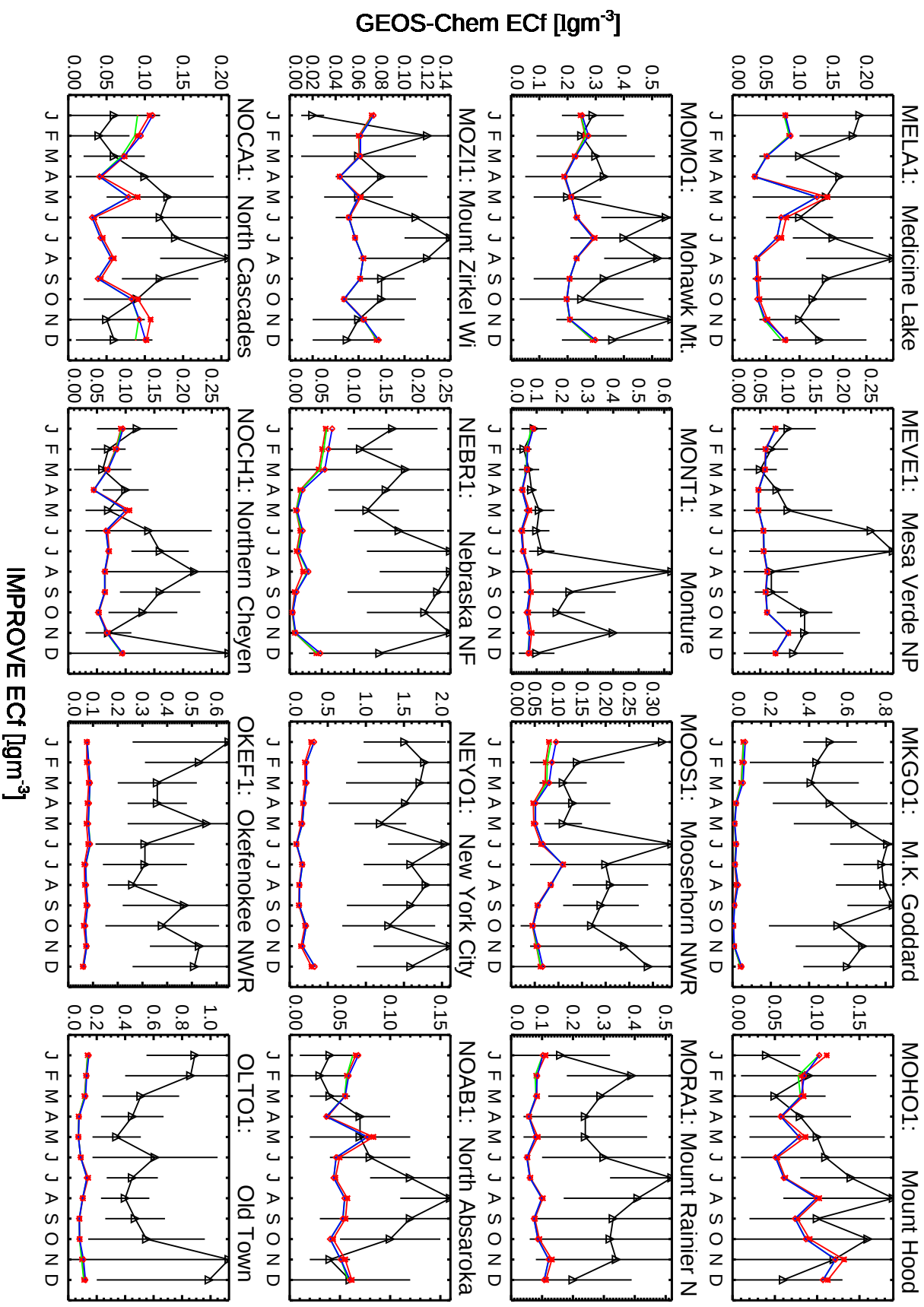
Red: GCC_13.2.0 (2019); Green: GCC_13.3.0 (2019); Blue: GCC_13.4.0 (2019)



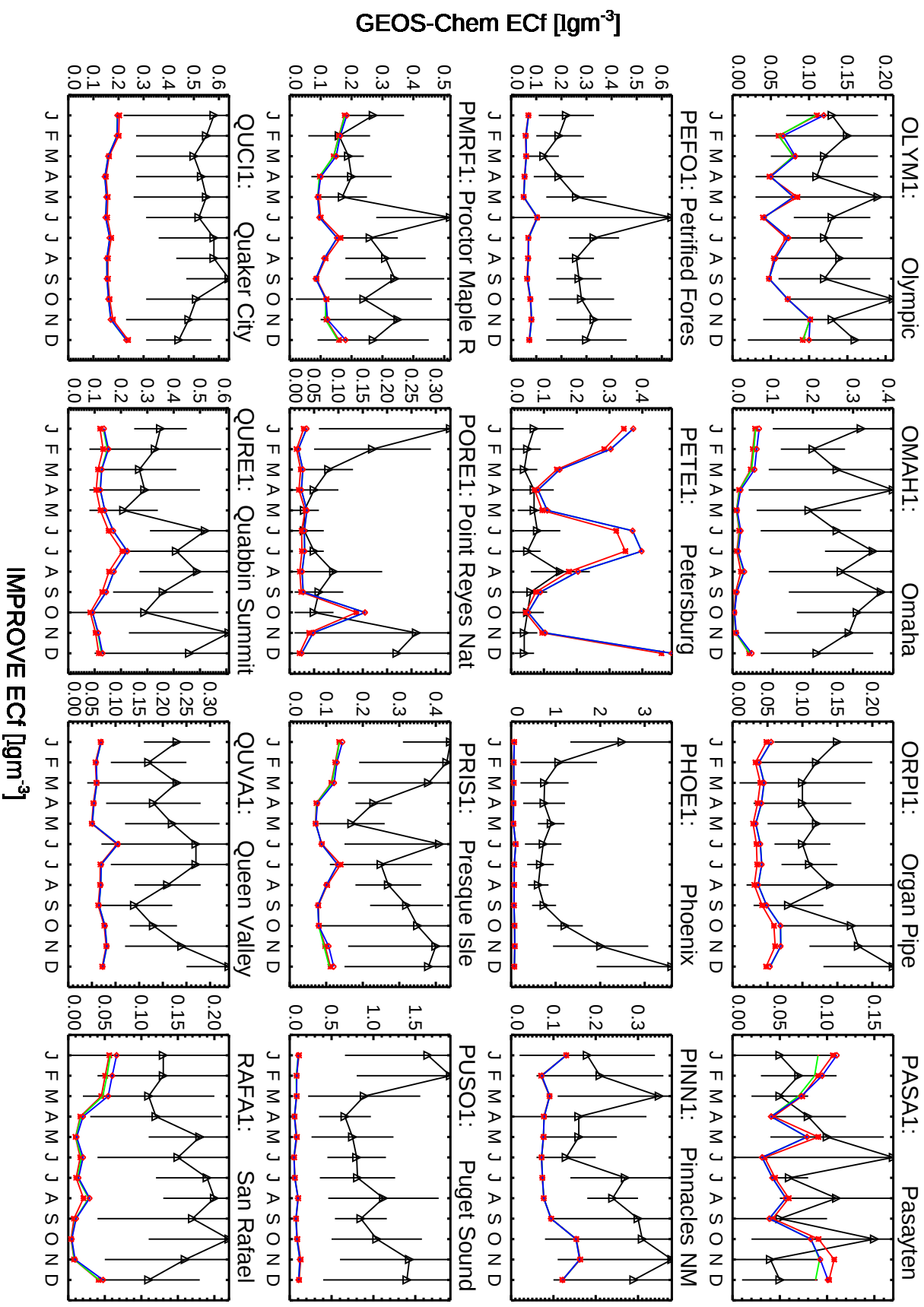
Red: GCC_13.2.0 (2019); Green: GCC_13.3.0 (2019); Blue: GCC_13.4.0 (2019)



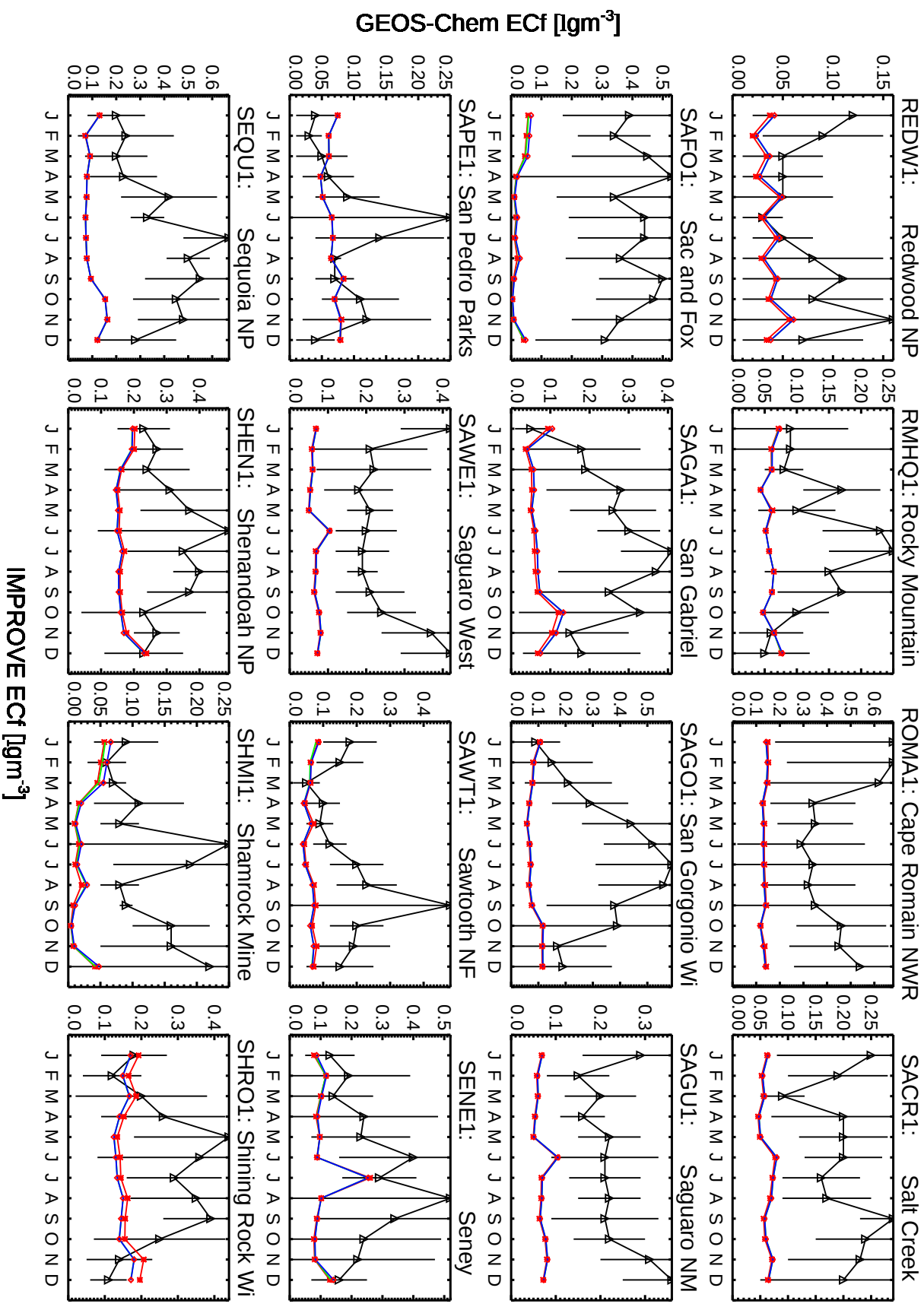
Red: GCC_13.2.0 (2019); Green: GCC_13.3.0 (2019); Blue: GCC_13.4.0 (2019)



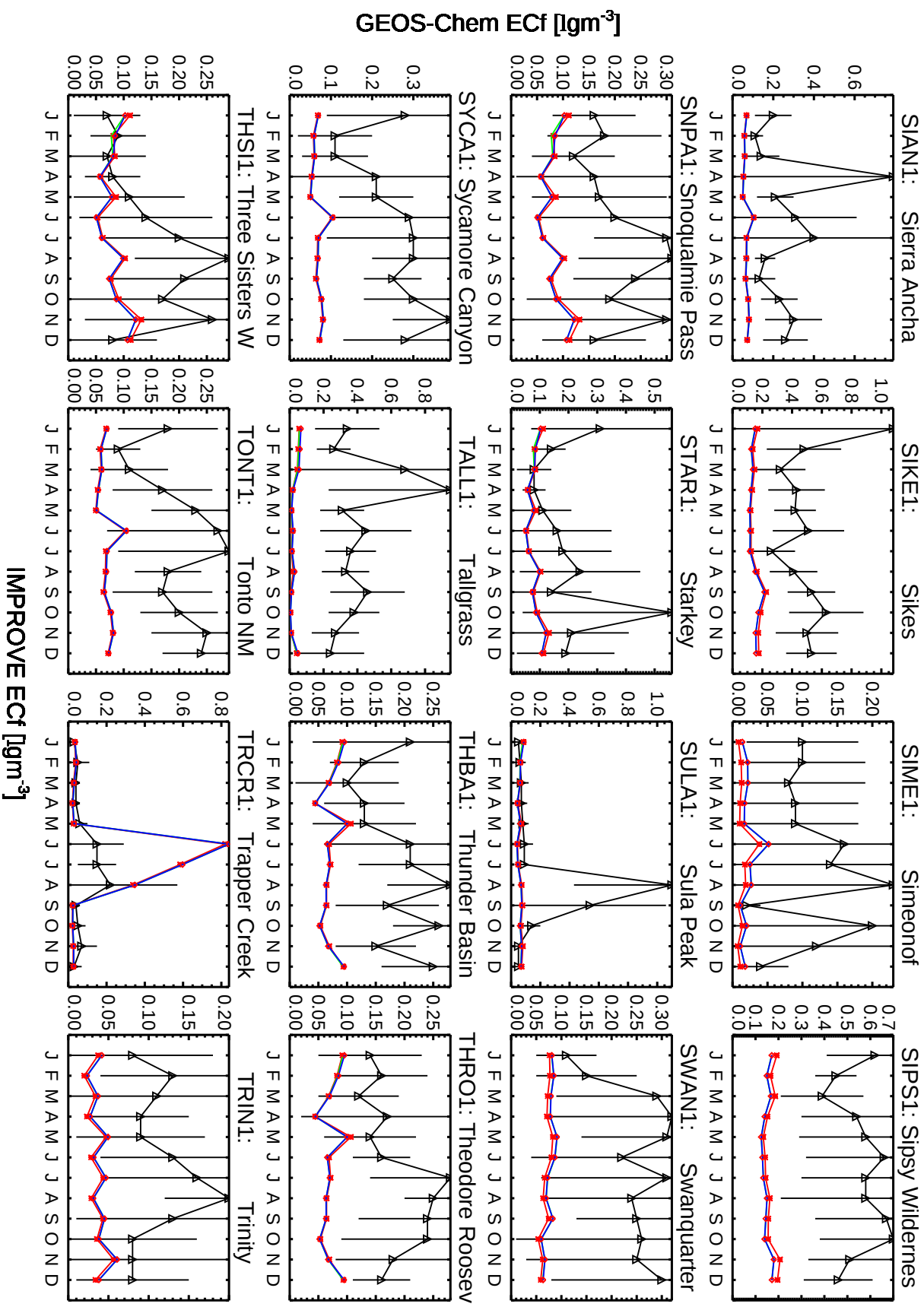
Red: GCC_13.2.0 (2019); Green: GCC_13.3.0 (2019); Blue: GCC_13.4.0 (2019)



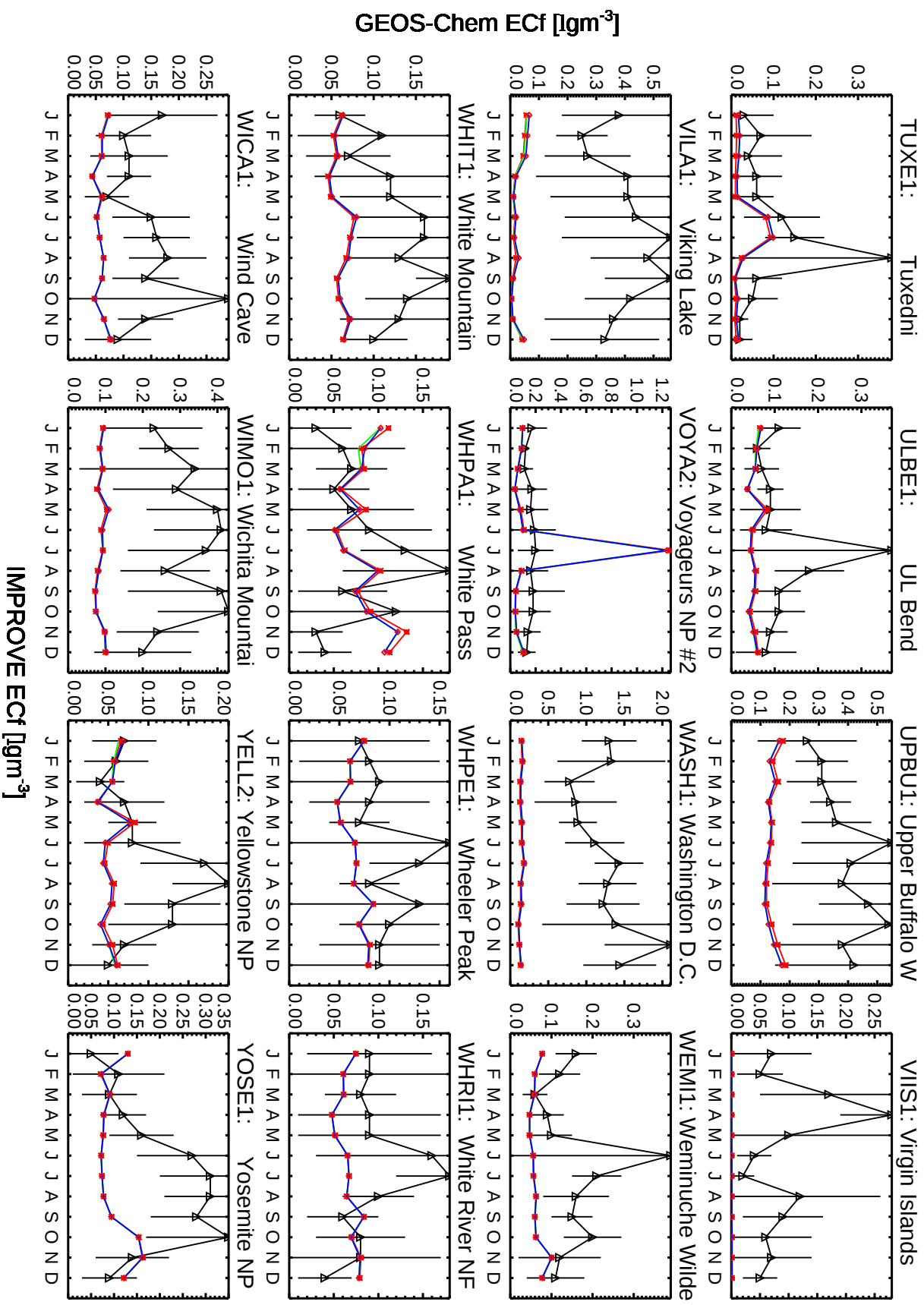
Red: GCC_13.2.0 (2019); Green: GCC_13.3.0 (2019); Blue: GCC_13.4.0 (2019)



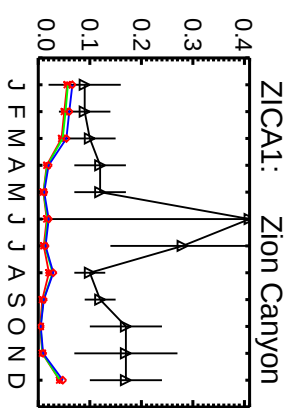
Red: GCC_13.2.0 (2019); Green: GCC_13.3.0 (2019); Blue: GCC_13.4.0 (2019)



Red: GCC_13.2.0 (2019); Green: GCC_13.3.0 (2019); Blue: GCC_13.4.0 (2019)



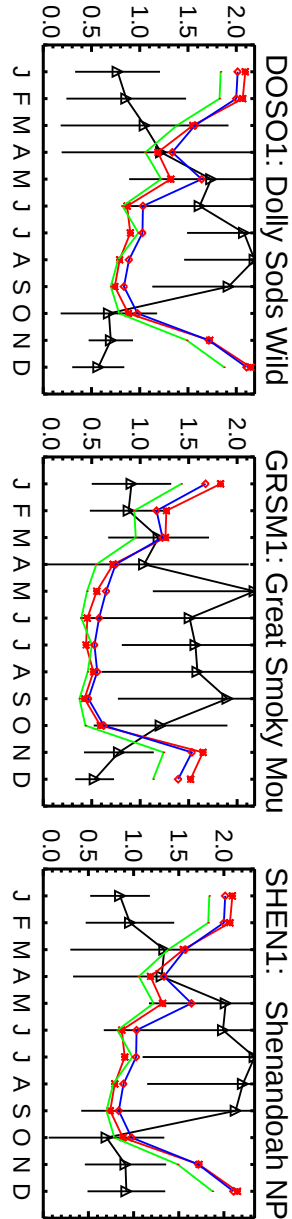
Red: GCC_13.2.0 (2019); Green: GCC_13.3.0 (2019); Blue: GCC_13.4.0 (2019)



GEOS-Chem ECf [$\mu\text{g m}^{-3}$]

IMPROVE ECf [$\mu\text{g m}^{-3}$]

Red: GCC_13.2.0 (2019); Green: GCC_13.3.0 (2019); Blue: GCC_13.4.0 (2019)



GEOS-Chem NH4f [$\mu\text{g m}^{-3}$]

IMPROVE NH4f [$\mu\text{g m}^{-3}$]