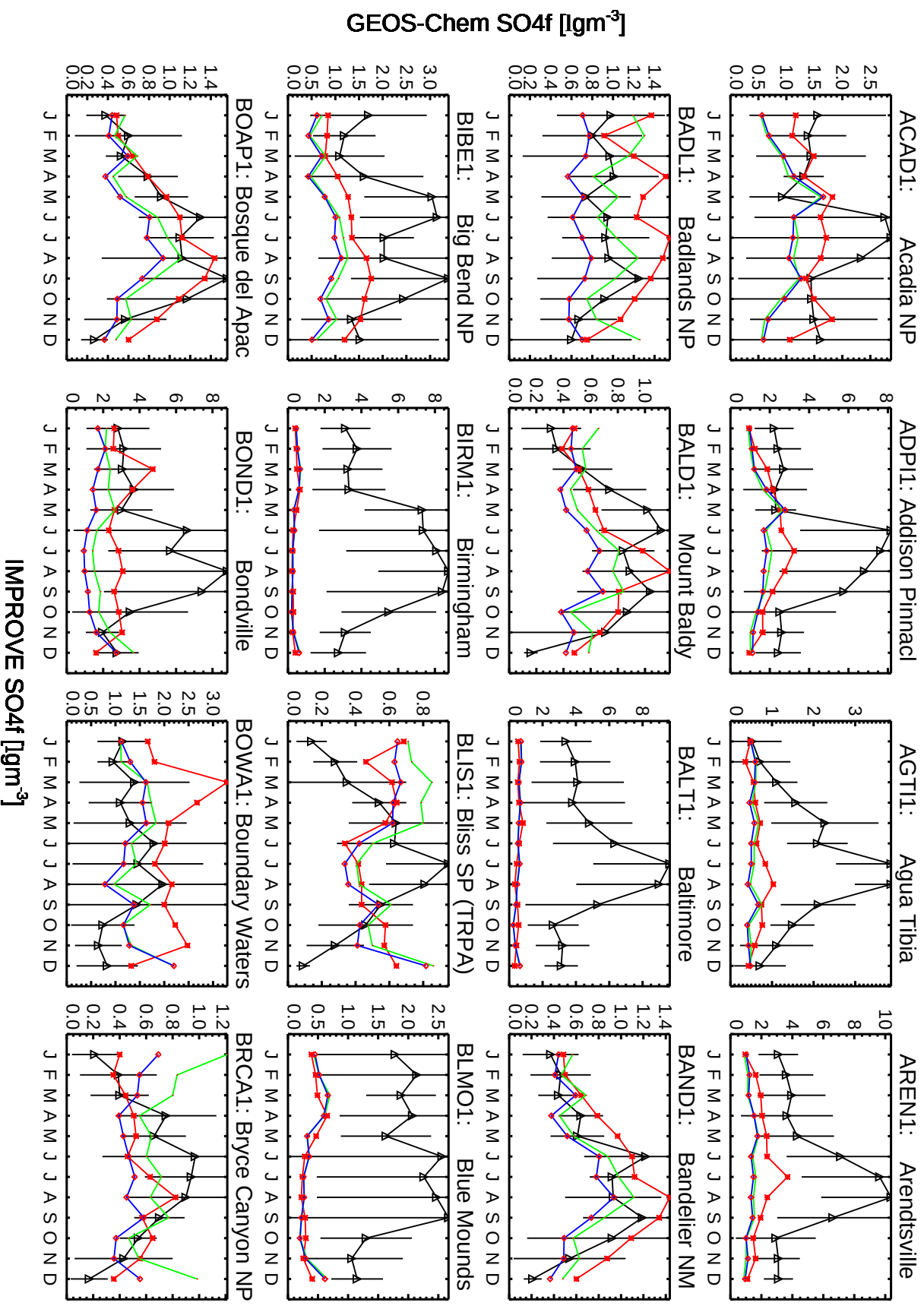
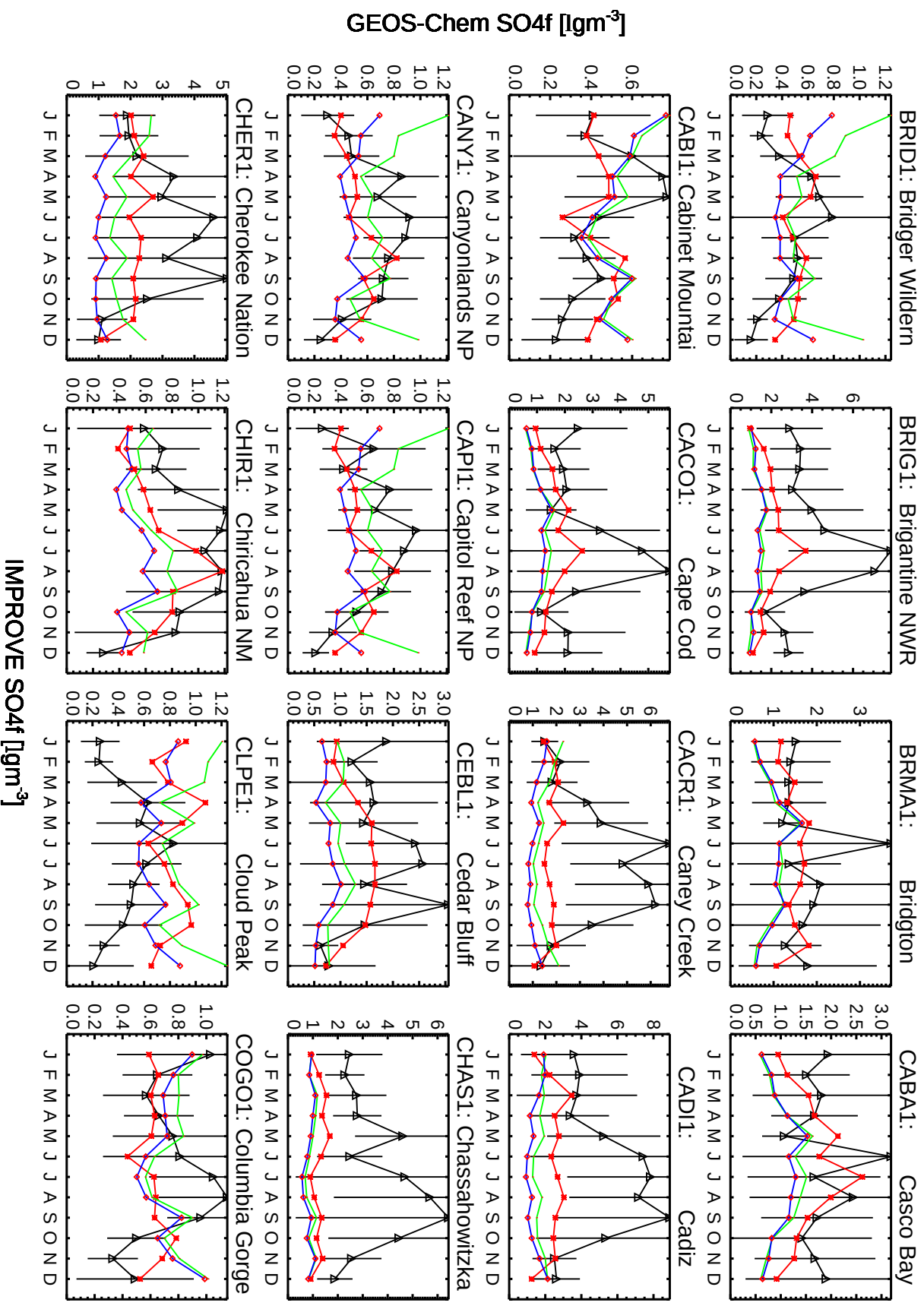


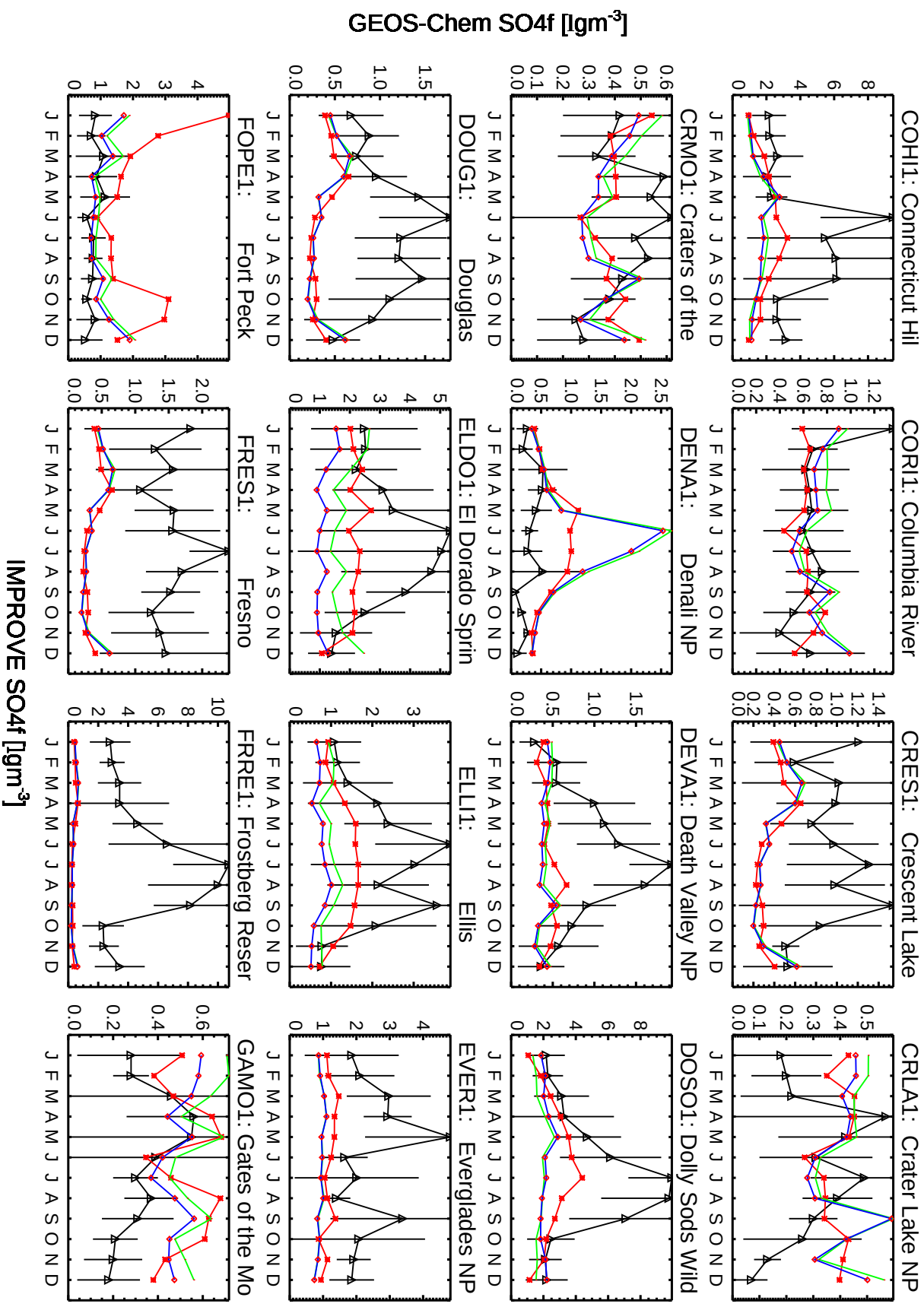
Red: GCC_12.9.0 (2016); Green: GCC_13.0.0 (2019); Blue: GCC_13.2.0 (2019)



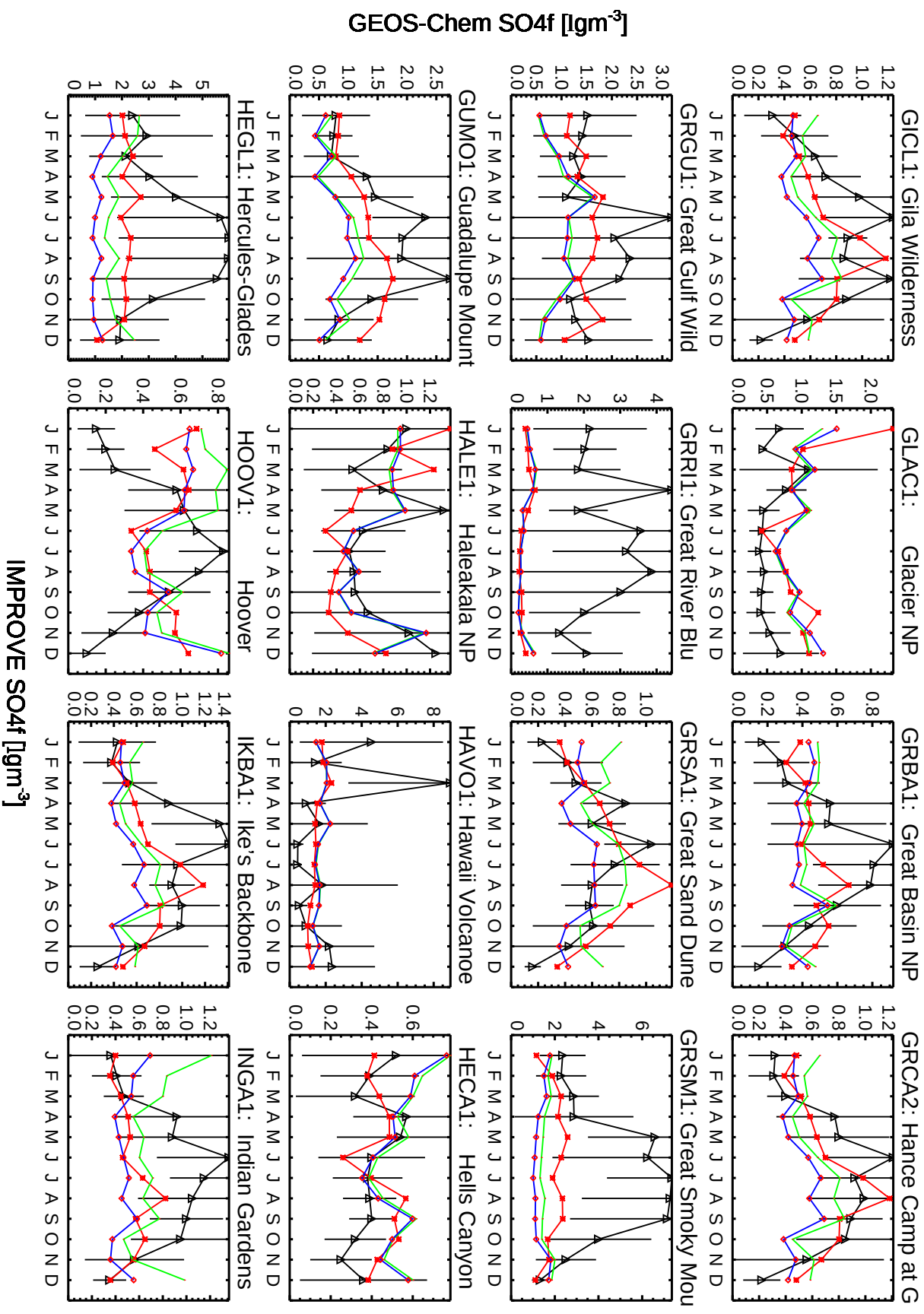
Red: GCC_12.9.0 (2016); Green: GCC_13.0.0 (2019); Blue: GCC_13.2.0 (2019)



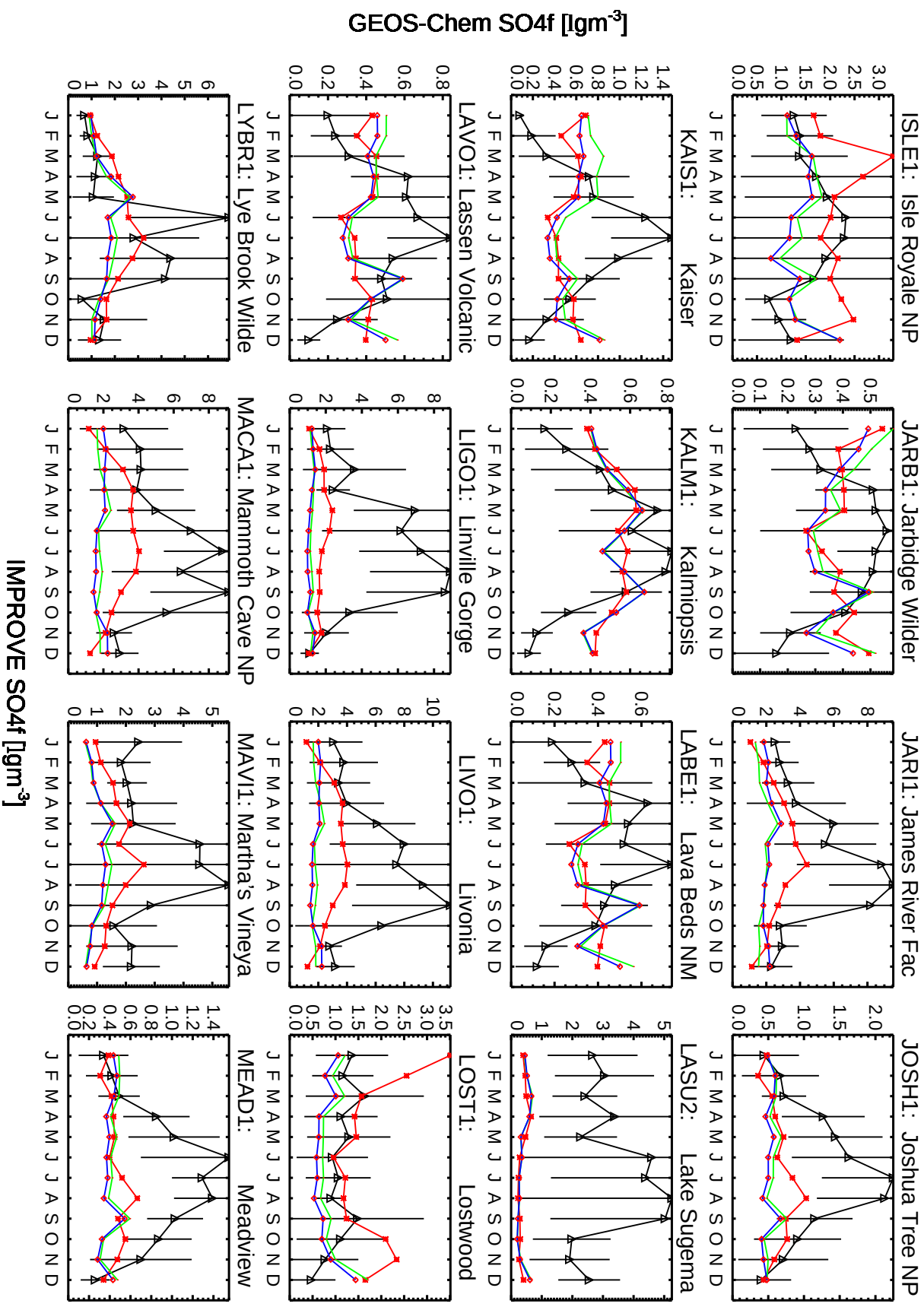
Red: GCC_12.9.0 (2016); Green: GCC_13.0.0 (2019); Blue: GCC_13.2.0 (2019)



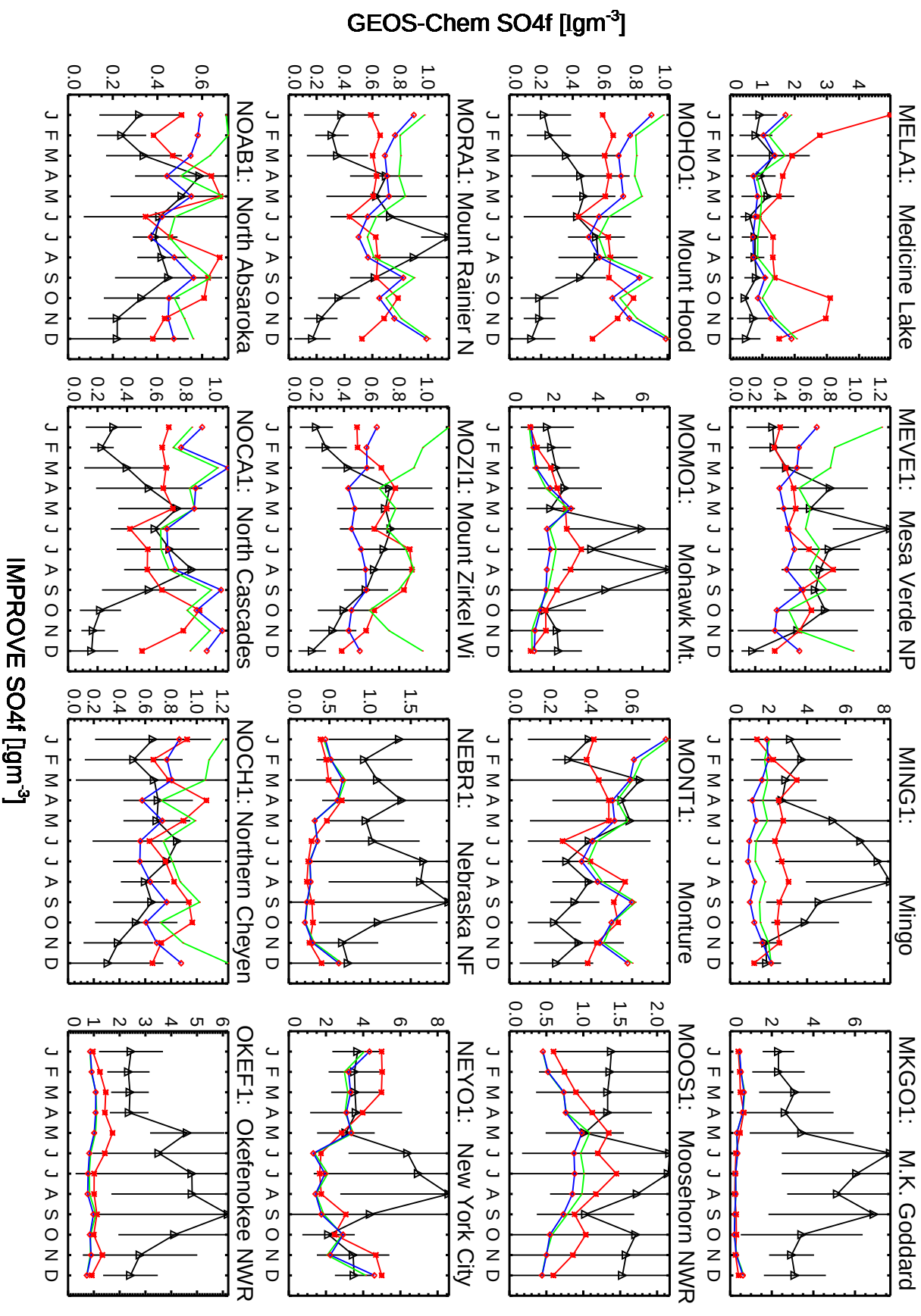
Red: GCC_12.9.0 (2016); Green: GCC_13.0.0 (2019); Blue: GCC_13.2.0 (2019)



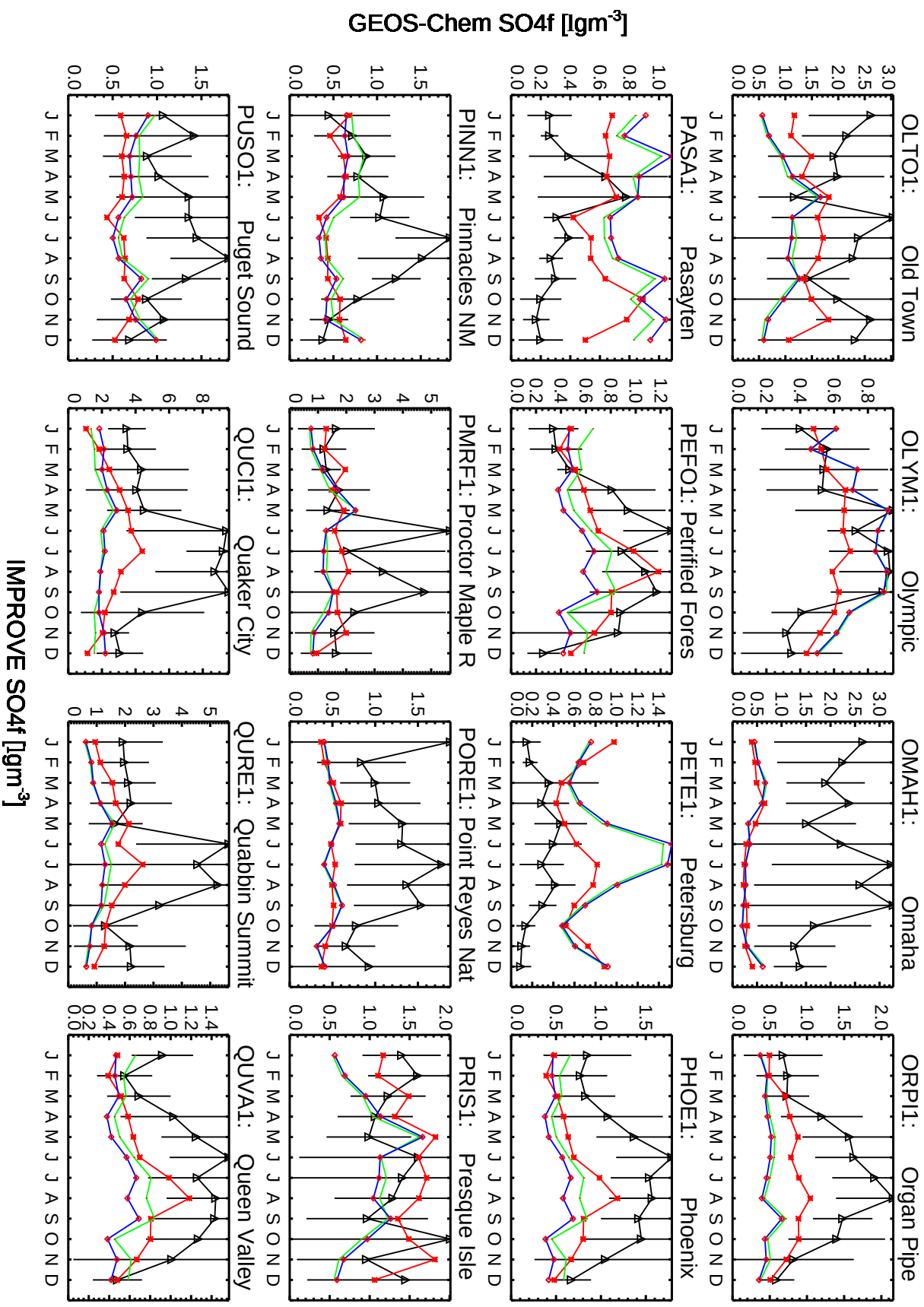
Red: GCC_12.9.0 (2016); Green: GCC_13.0.0 (2019); Blue: GCC_13.2.0 (2019)



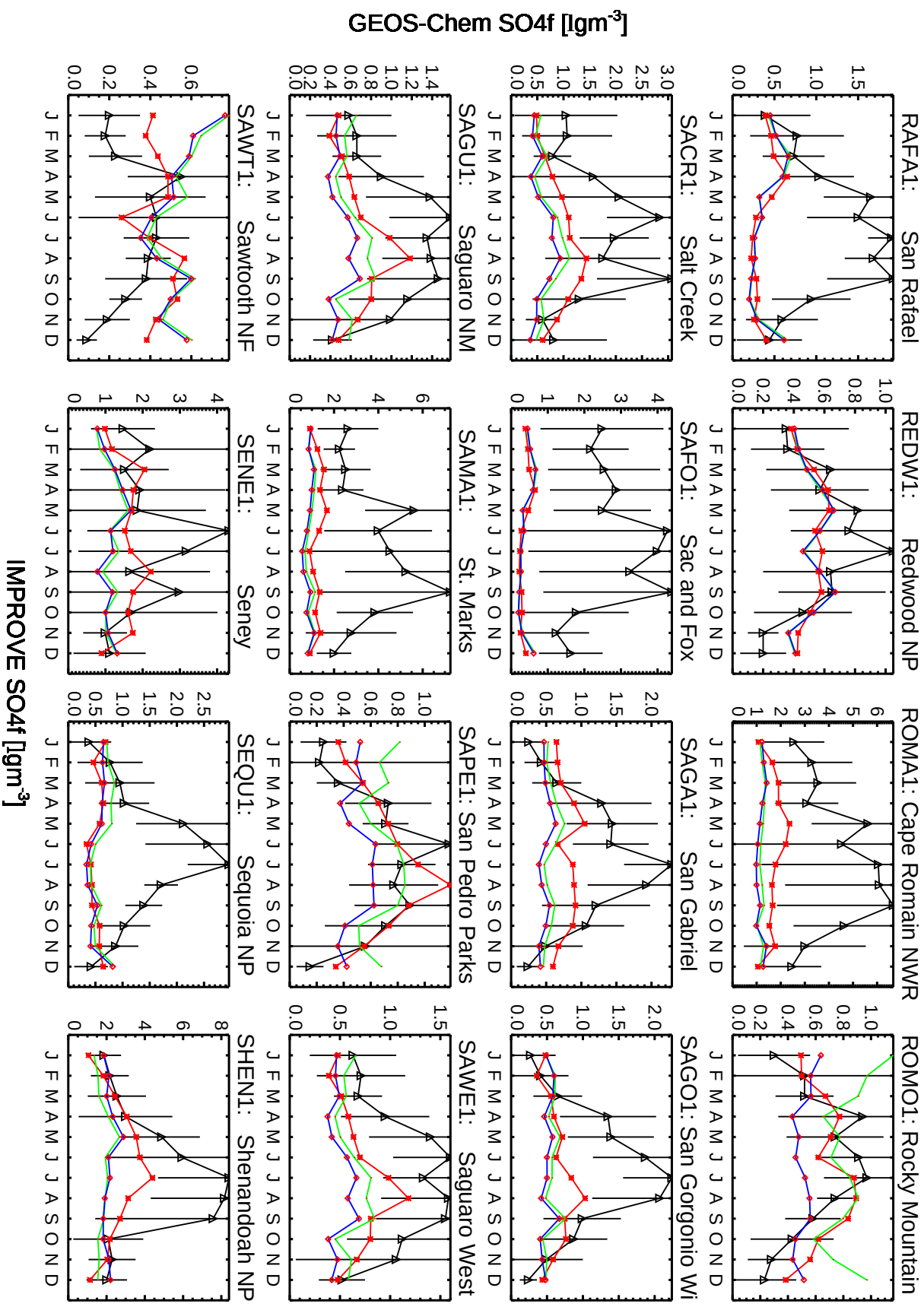
Red: GCC_12.9.0 (2016); Green: GCC_13.0.0 (2019); Blue: GCC_13.2.0 (2019)



Red: GCC_12.9.0 (2016); Green: GCC_13.0.0 (2019); Blue: GCC_13.2.0 (2019)

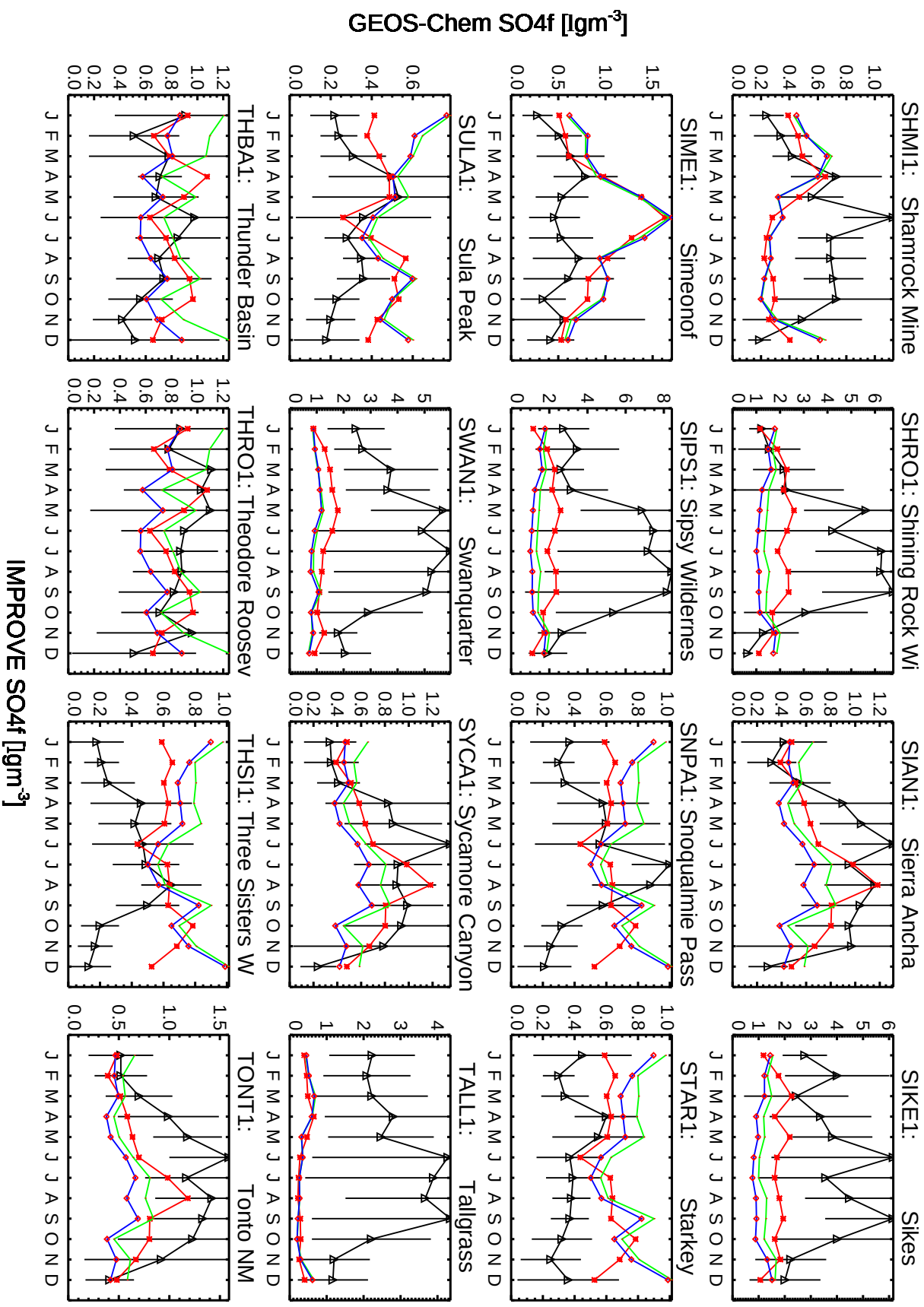


Red: GCC_12.9.0 (2016); Green: GCC_13.0.0 (2019); Blue: GCC_13.2.0 (2019)

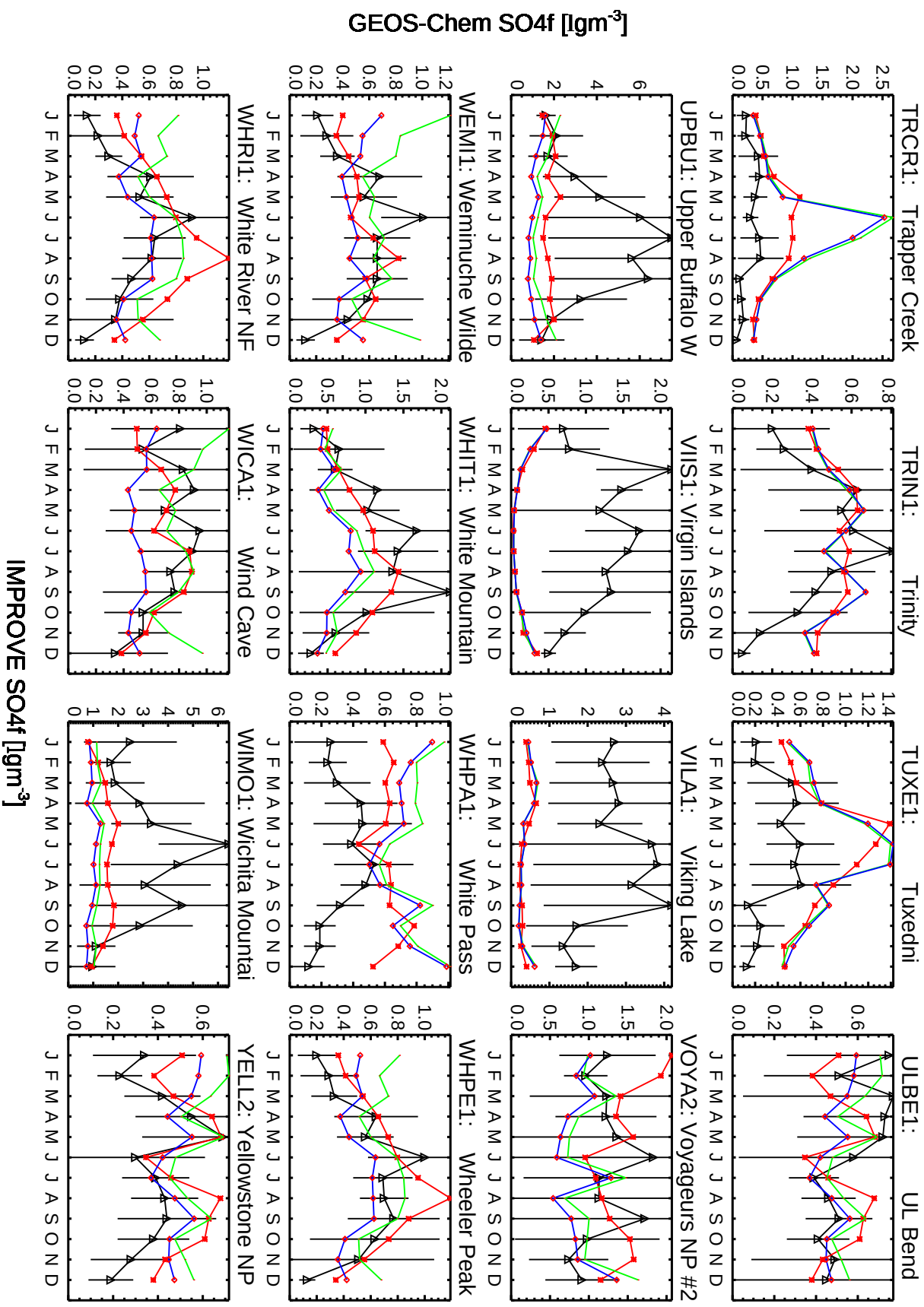


IMPROVE SO₄f [Igm⁻³]

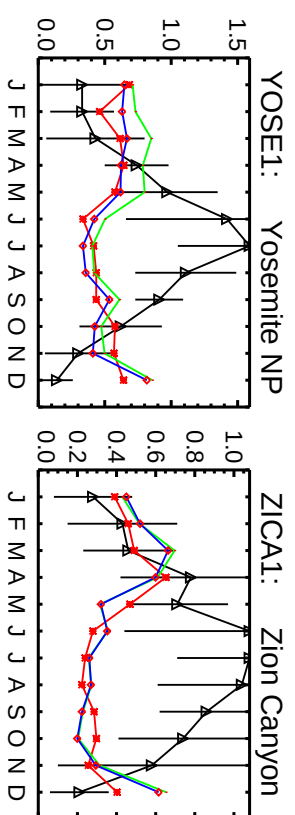
Red: GCC_12.9.0 (2016); Green: GCC_13.0.0 (2019); Blue: GCC_13.2.0 (2019)



Red: GCC_12.9.0 (2016); Green: GCC_13.0.0 (2019); Blue: GCC_13.2.0 (2019)



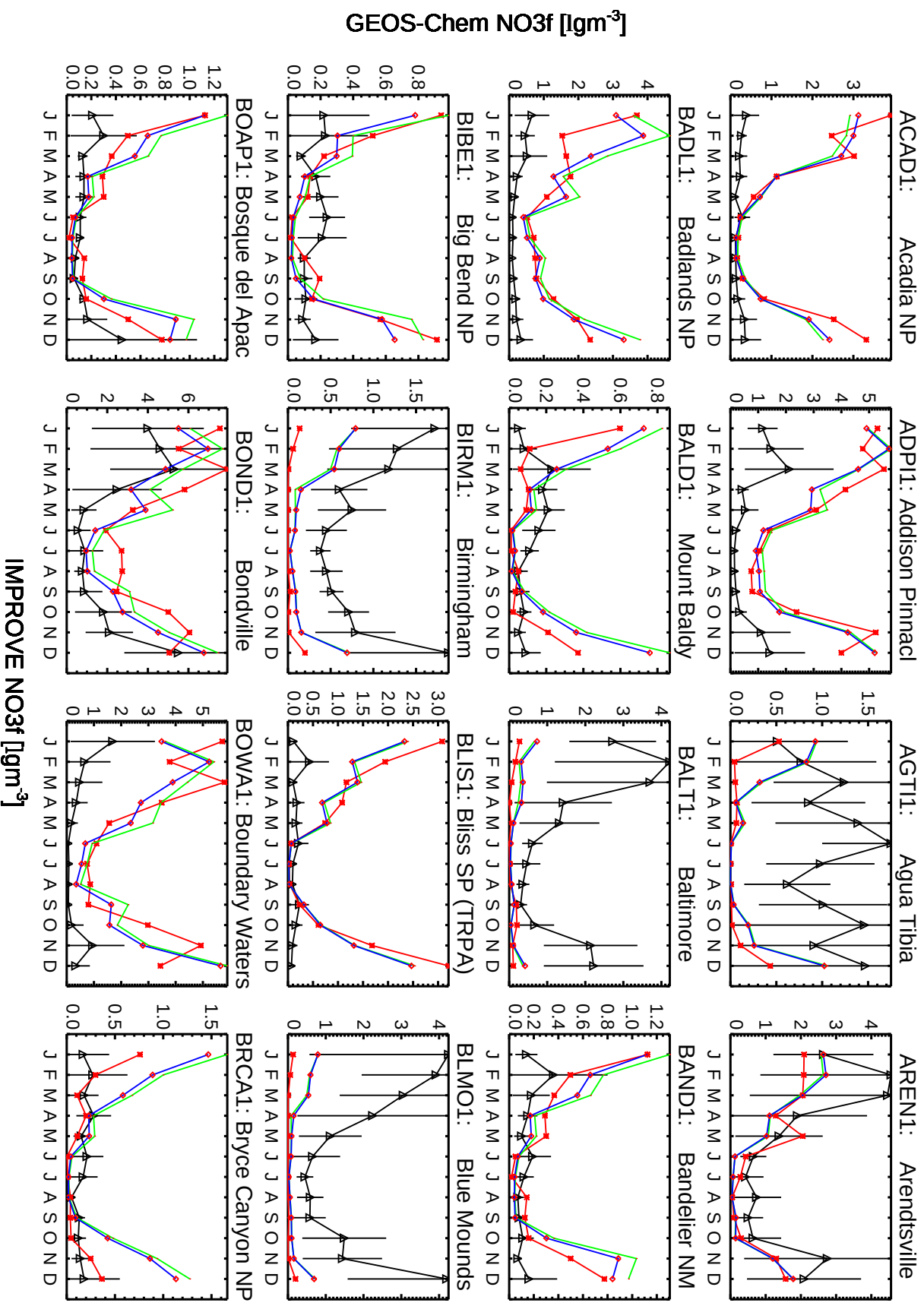
Red: GCC_12.9.0 (2016); Green: GCC_13.0.0 (2019); Blue: GCC_13.2.0 (2019)



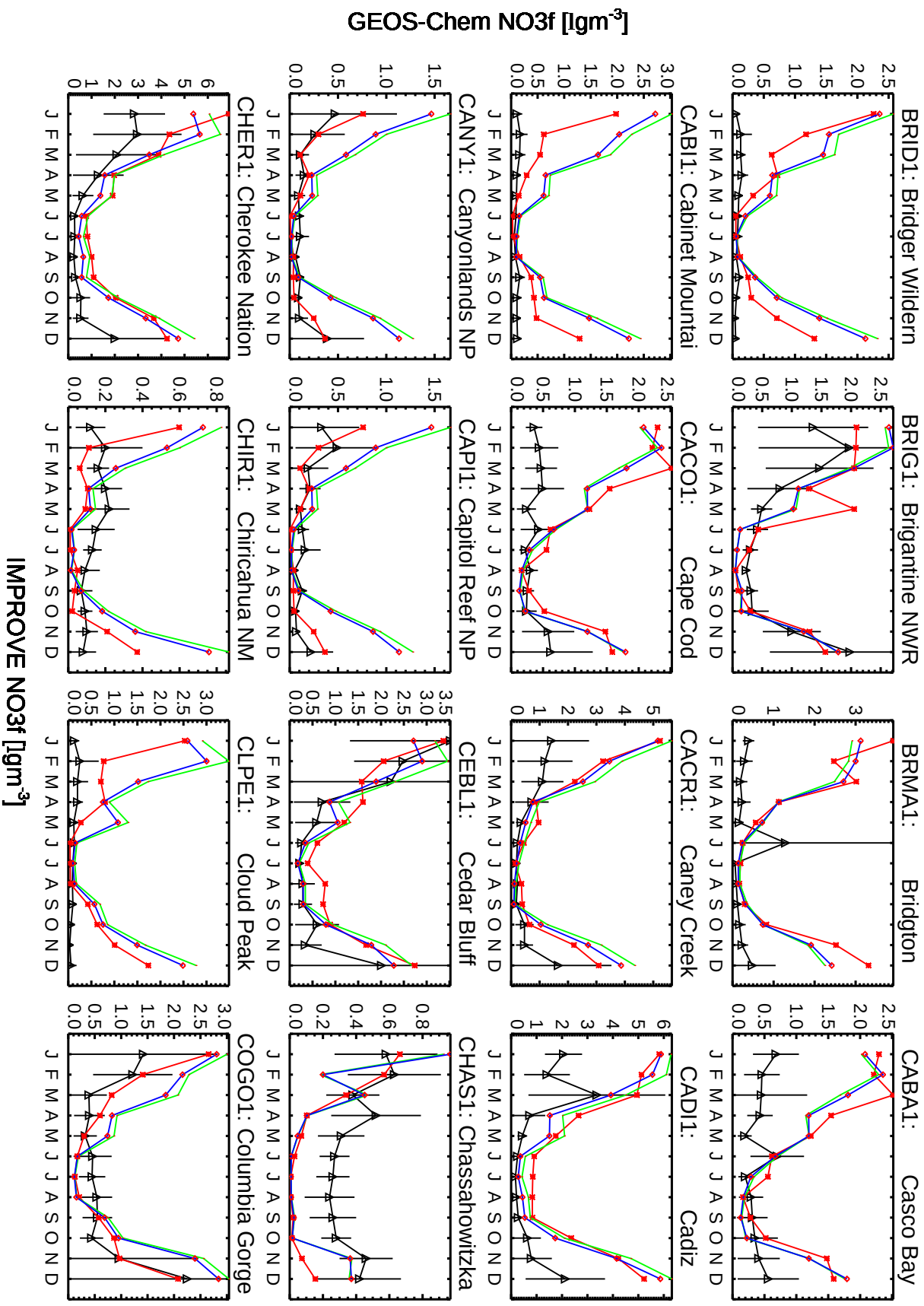
GEOS-Chem SO_4f [$\mu\text{g m}^{-3}$]

IMPROVE SO_4f [$\mu\text{g m}^{-3}$]

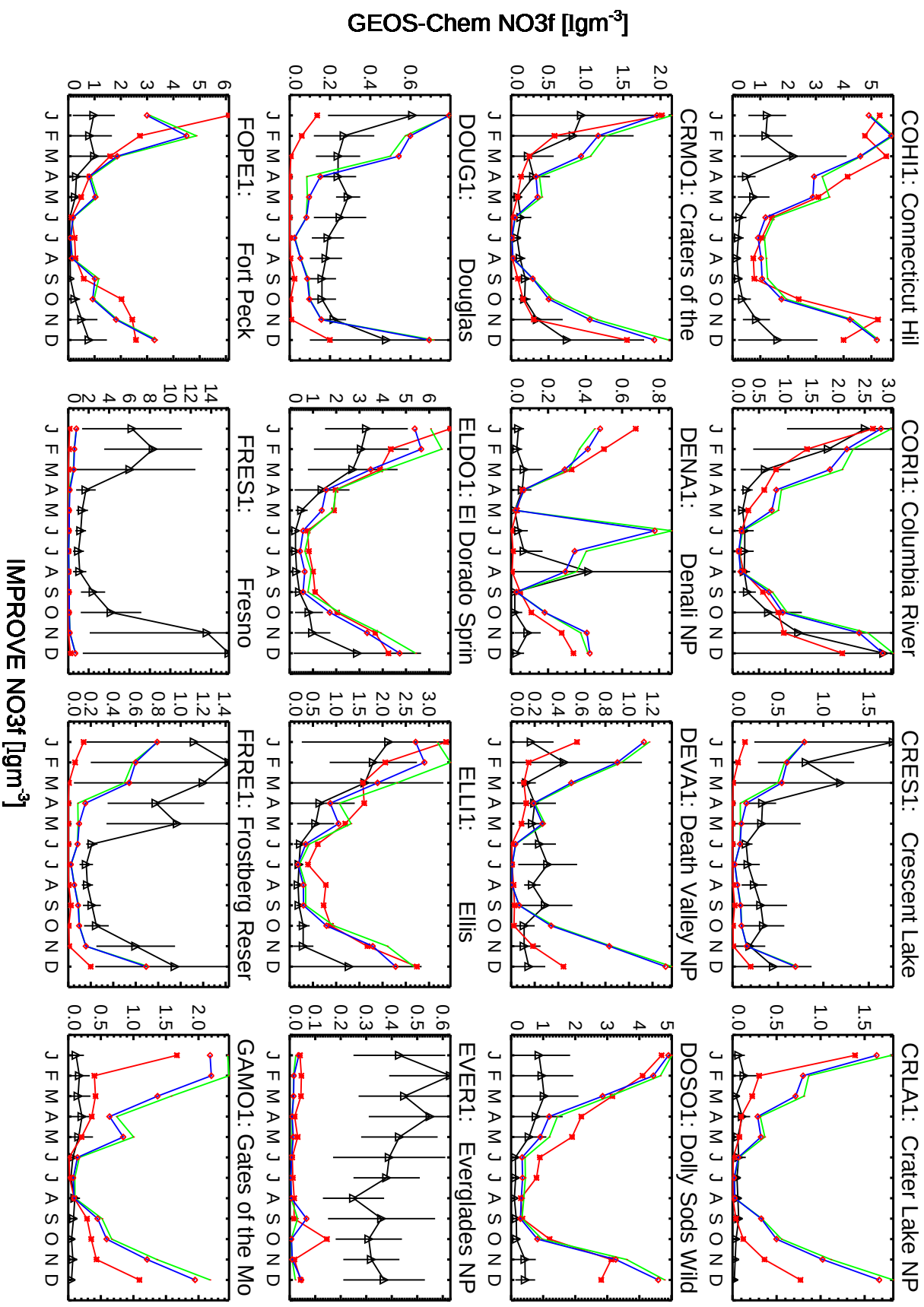
Red: GCC_12.9.0 (2016); Green: GCC_13.0.0 (2019); Blue: GCC_13.2.0 (2019)



Red: GCC_12.9.0 (2016); Green: GCC_13.0.0 (2019); Blue: GCC_13.2.0 (2019)

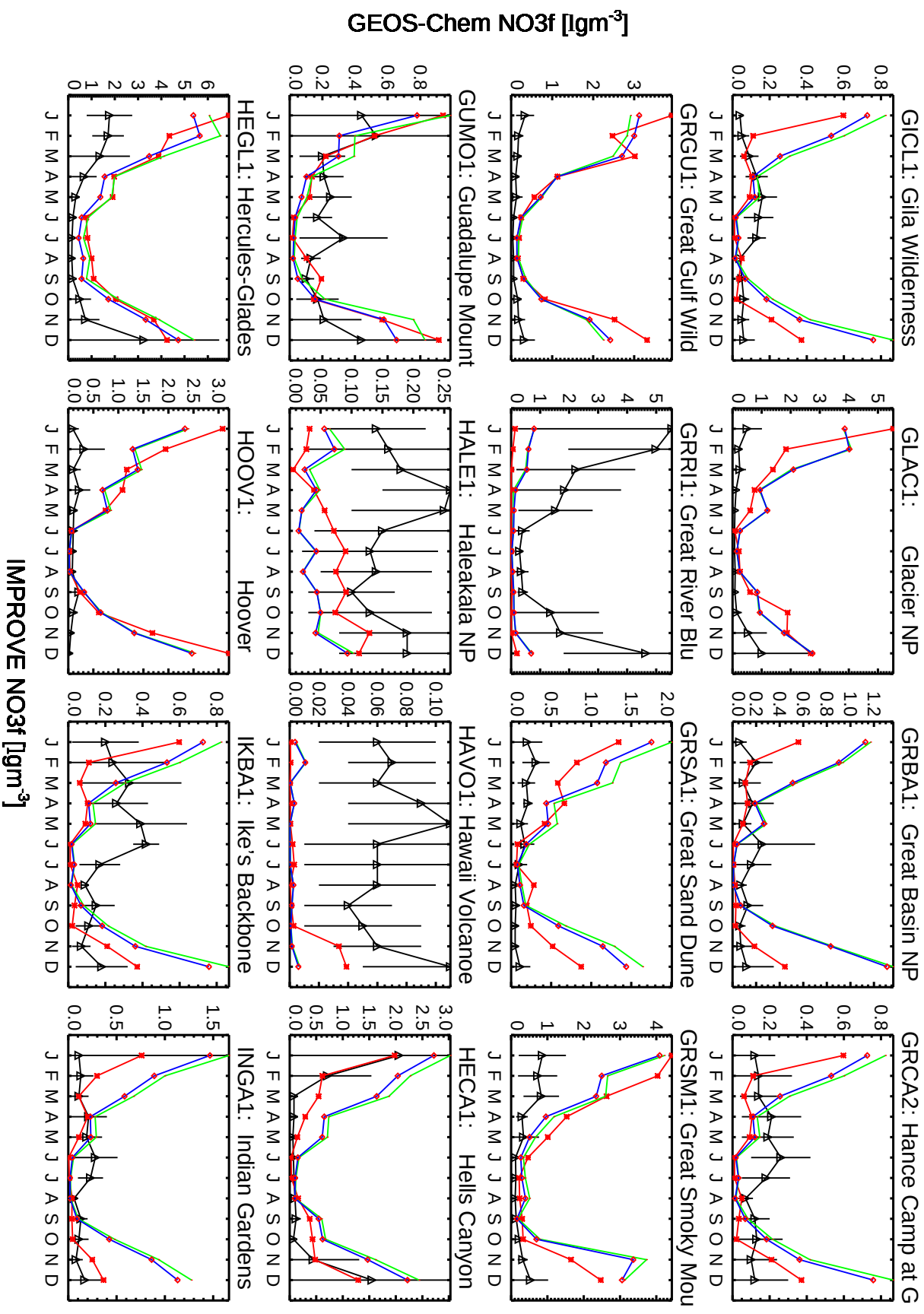


Red: GCC_12.9.0 (2016); Green: GCC_13.0.0 (2019); Blue: GCC_13.2.0 (2019)

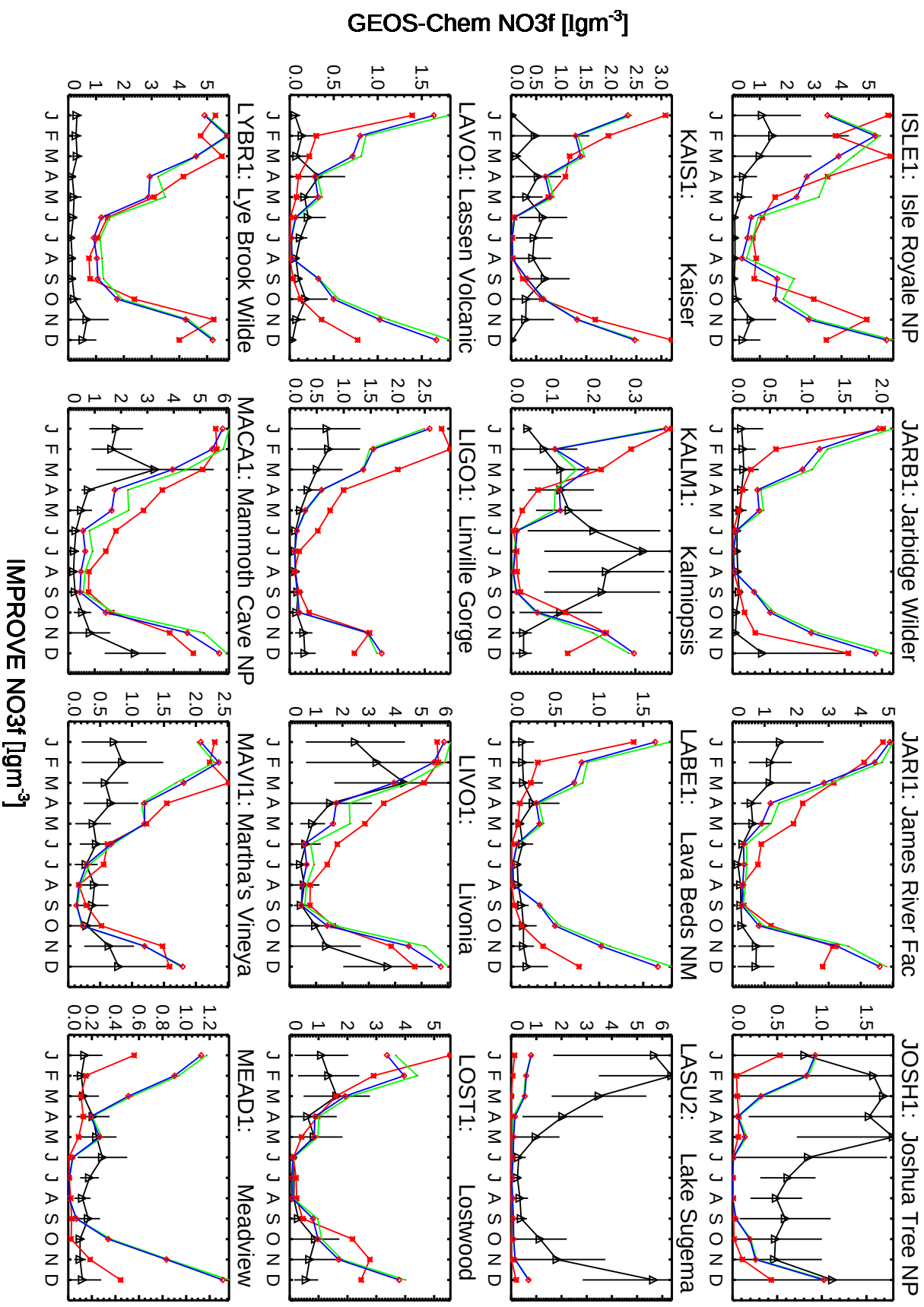


IMPROVE NO₃f [Igm⁻³]

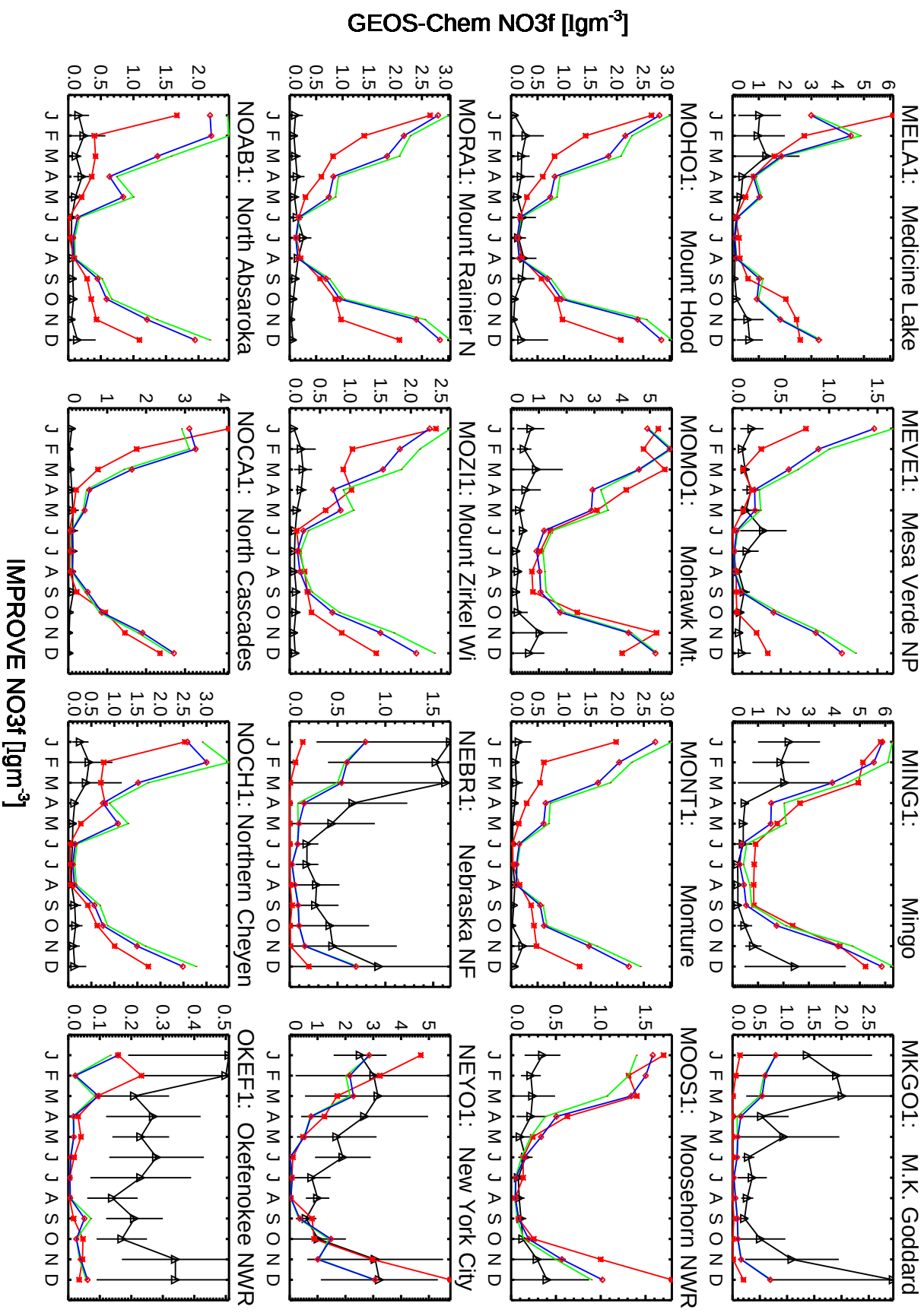
Red: GCC_12.9.0 (2016); Green: GCC_13.0.0 (2019); Blue: GCC_13.2.0 (2019)



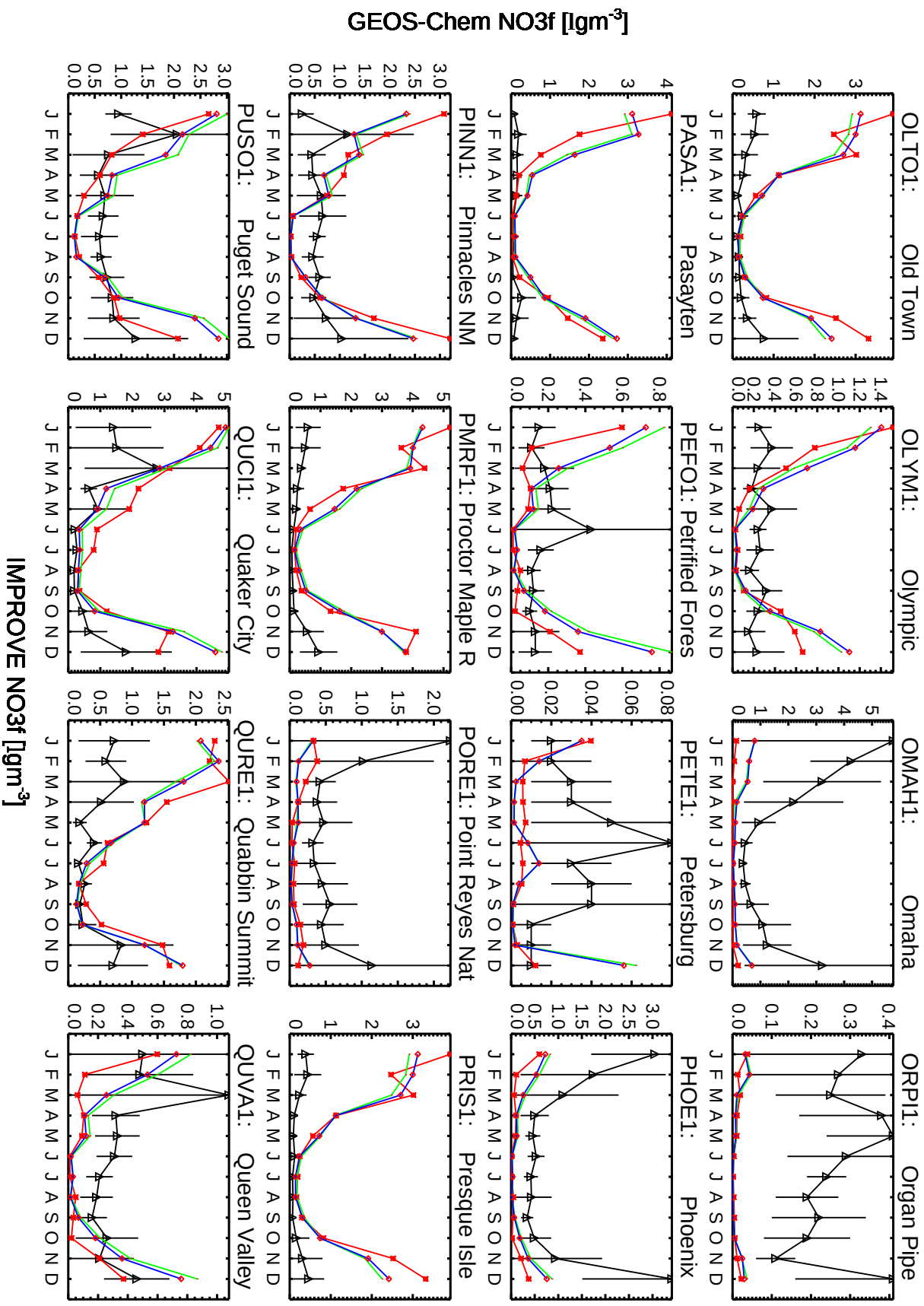
Red: GCC_12.9.0 (2016); Green: GCC_13.0.0 (2019); Blue: GCC_13.2.0 (2019)



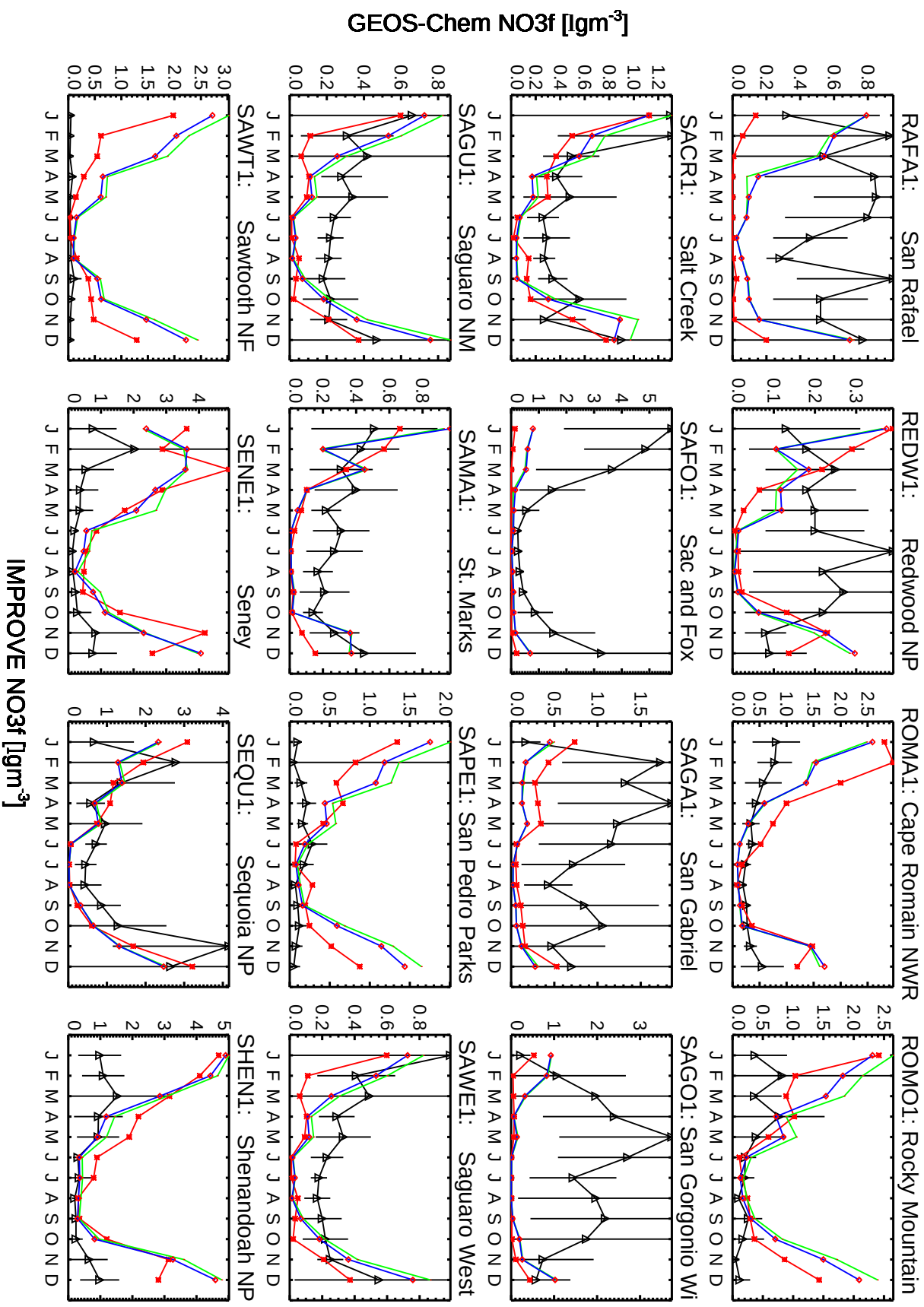
Red: GCC_12.9.0 (2016); Green: GCC_13.0.0 (2019); Blue: GCC_13.2.0 (2019)



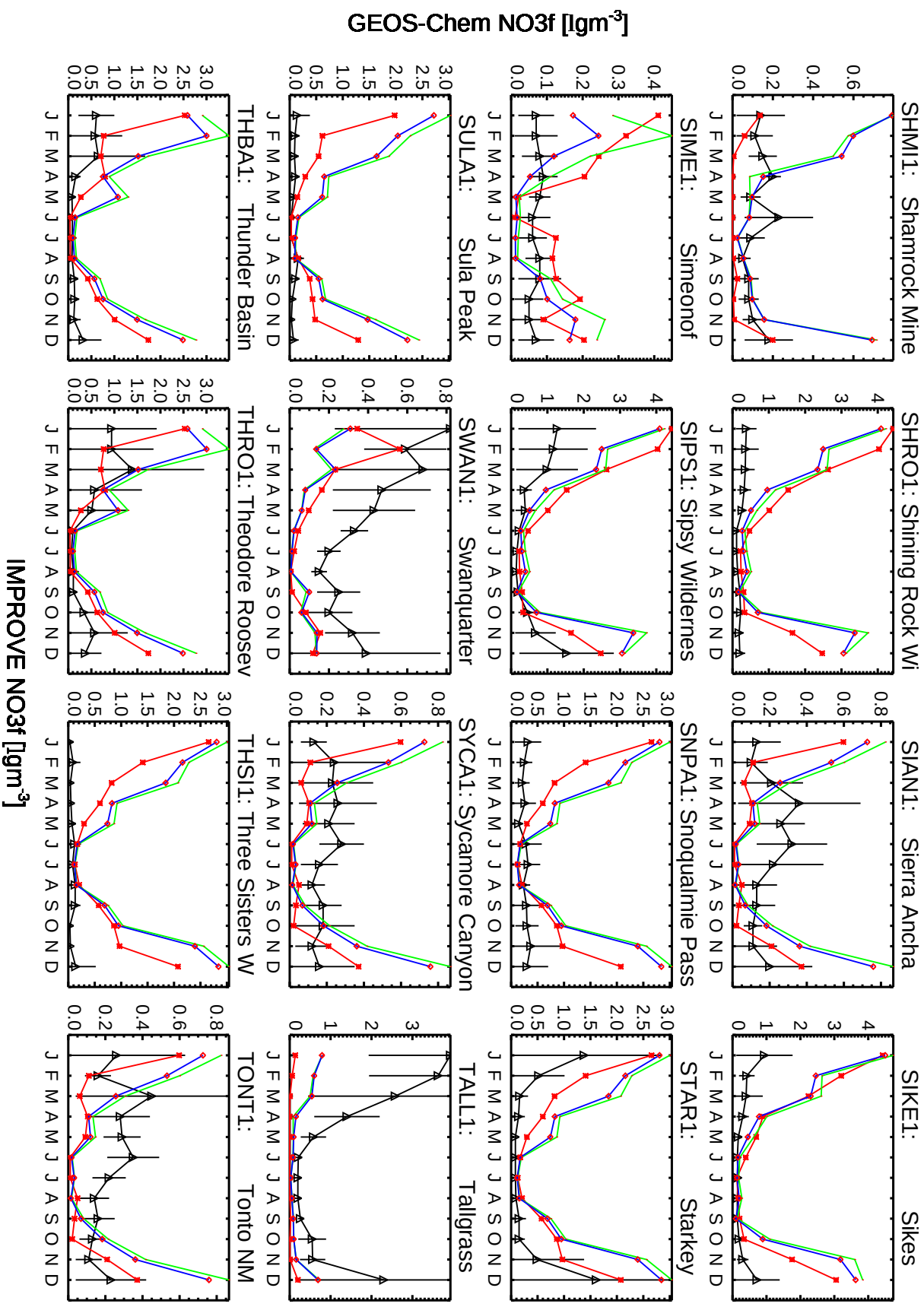
Red: GCC_12.9.0 (2016); Green: GCC_13.0.0 (2019); Blue: GCC_13.2.0 (2019)



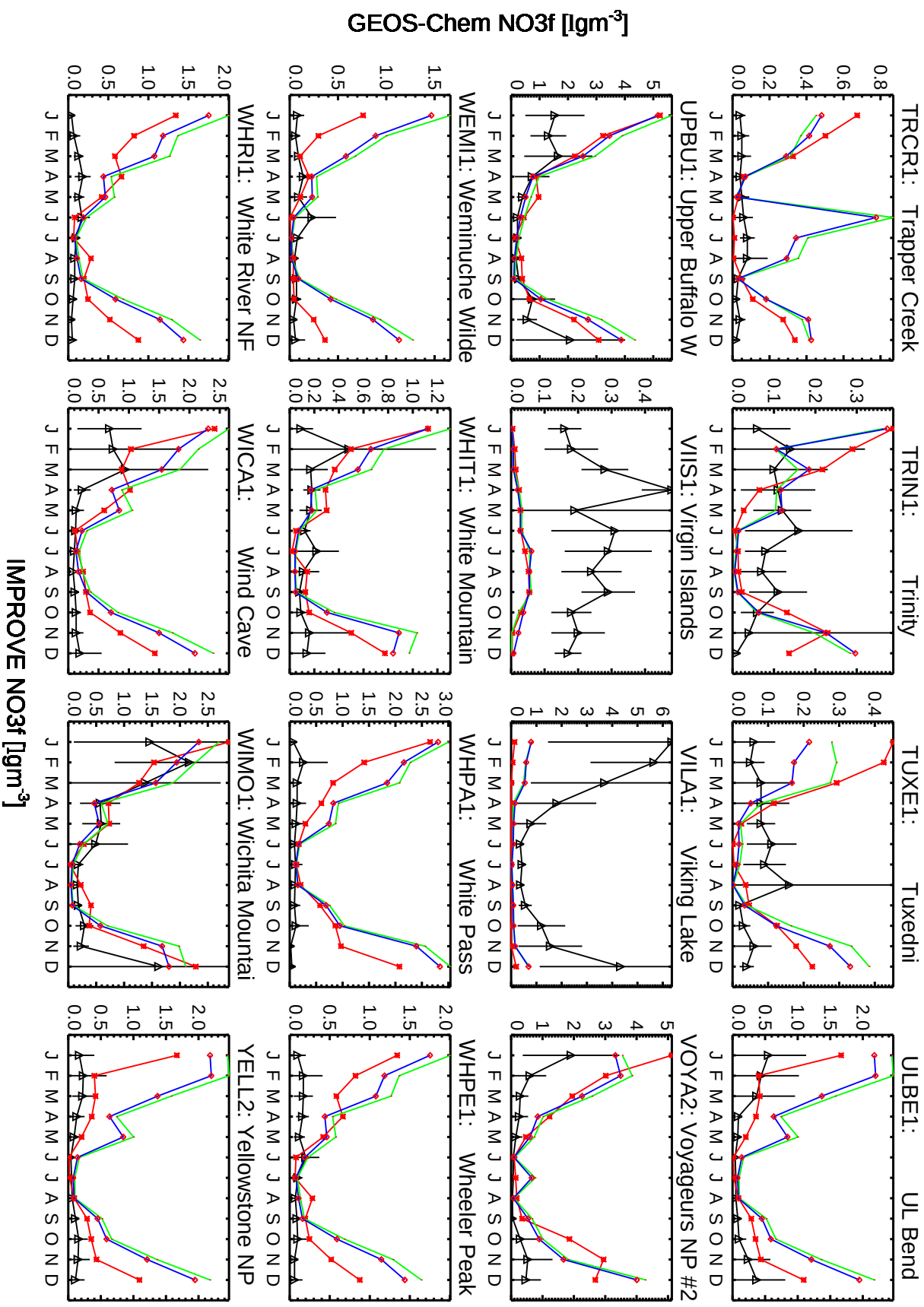
Red: GCC_12.9.0 (2016); Green: GCC_13.0.0 (2019); Blue: GCC_13.2.0 (2019)



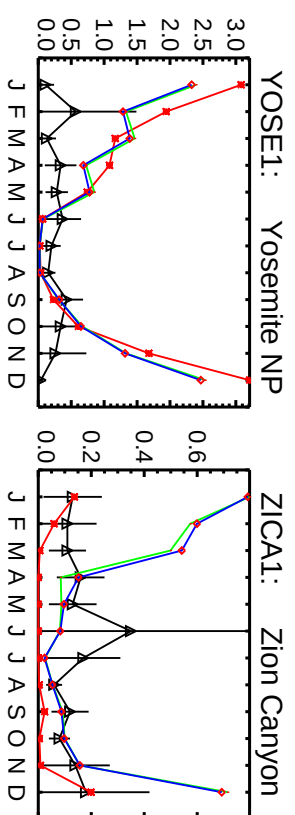
Red: GCC_12.9.0 (2016); Green: GCC_13.0.0 (2019); Blue: GCC_13.2.0 (2019)



Red: GCC_12.9.0 (2016); Green: GCC_13.0.0 (2019); Blue: GCC_13.2.0 (2019)



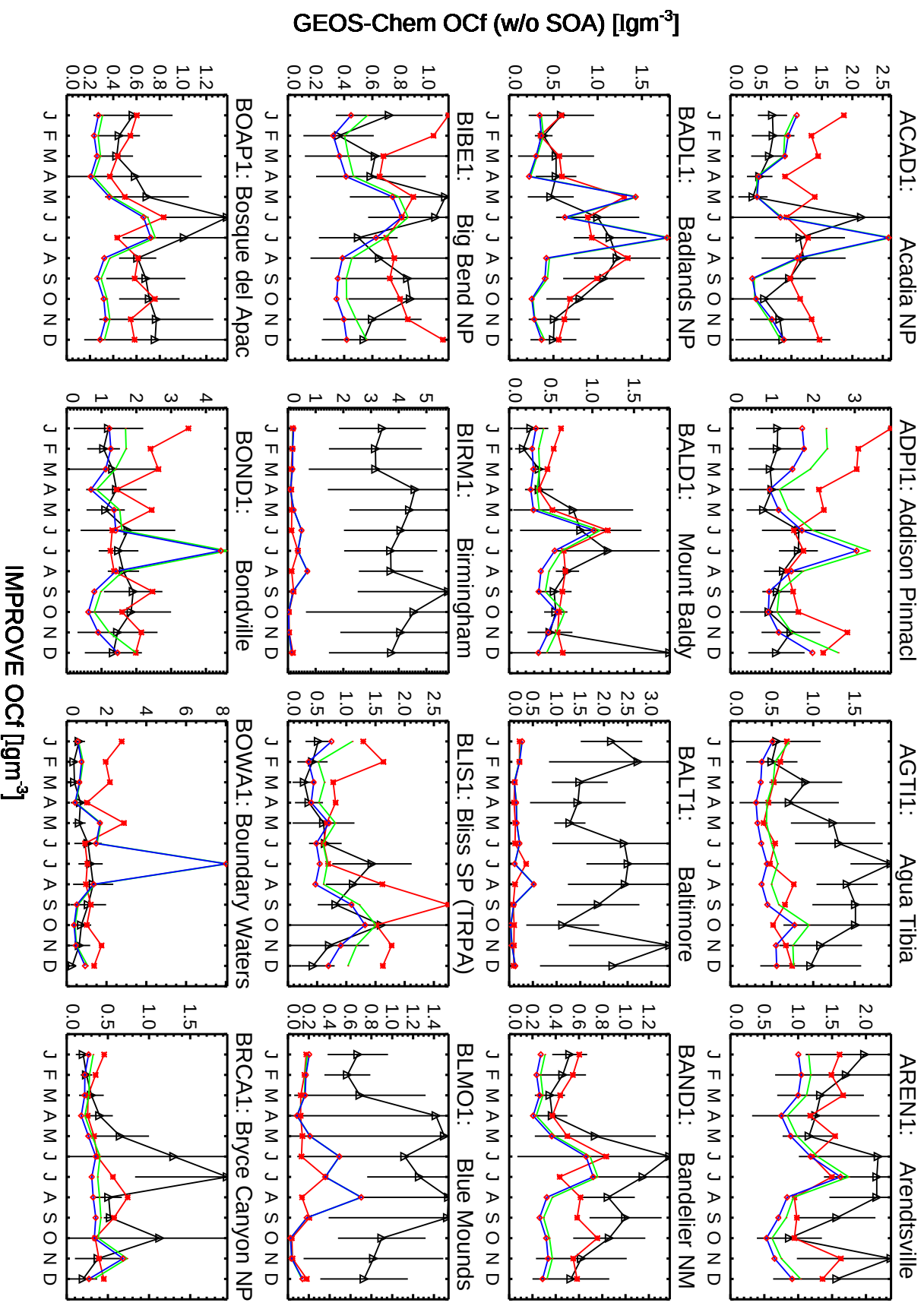
Red: GCC_12.9.0 (2016); Green: GCC_13.0.0 (2019); Blue: GCC_13.2.0 (2019)



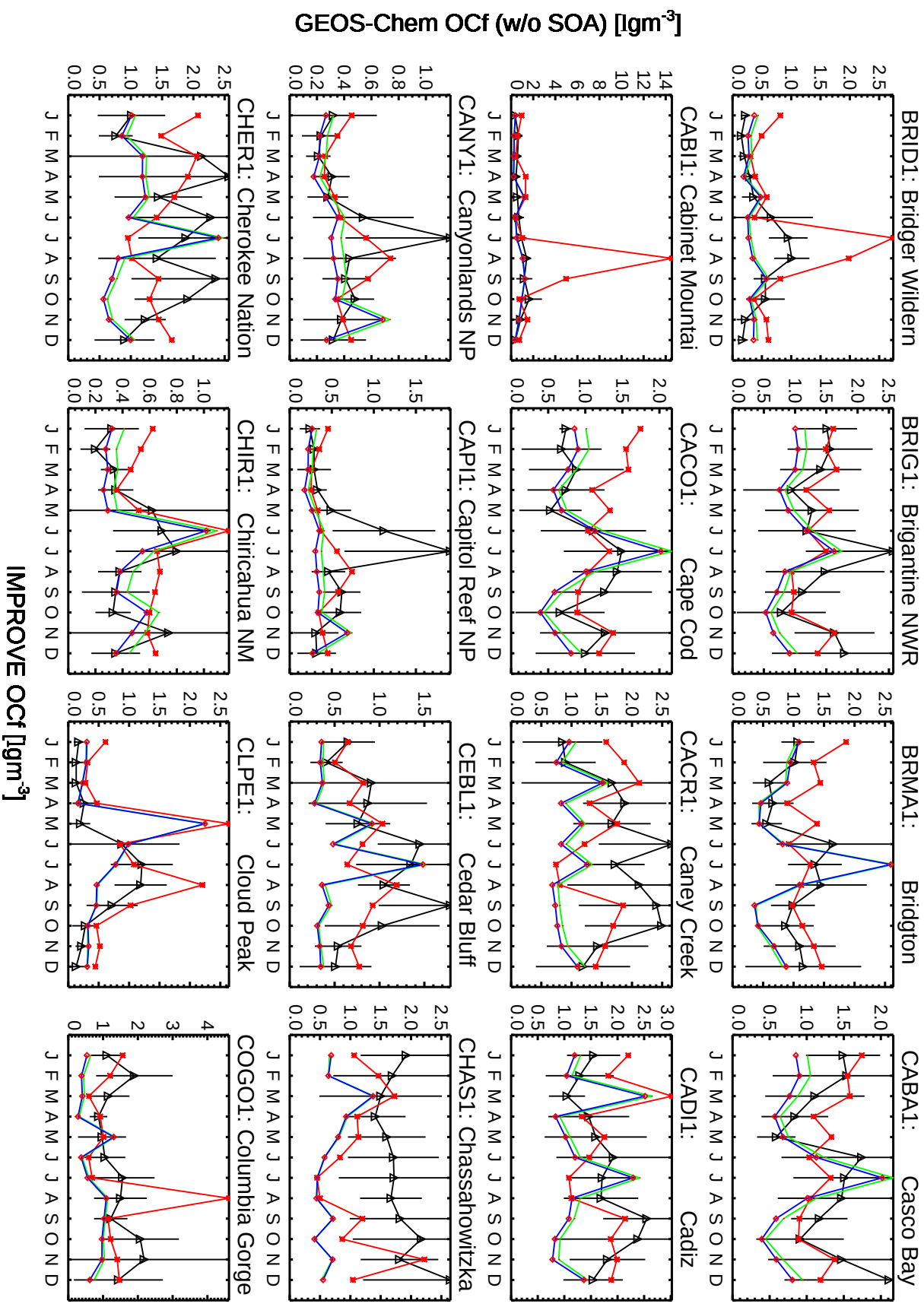
GEOS-Chem NO3f [μgm^{-3}]

IMPROVE NO3f [μgm^{-3}]

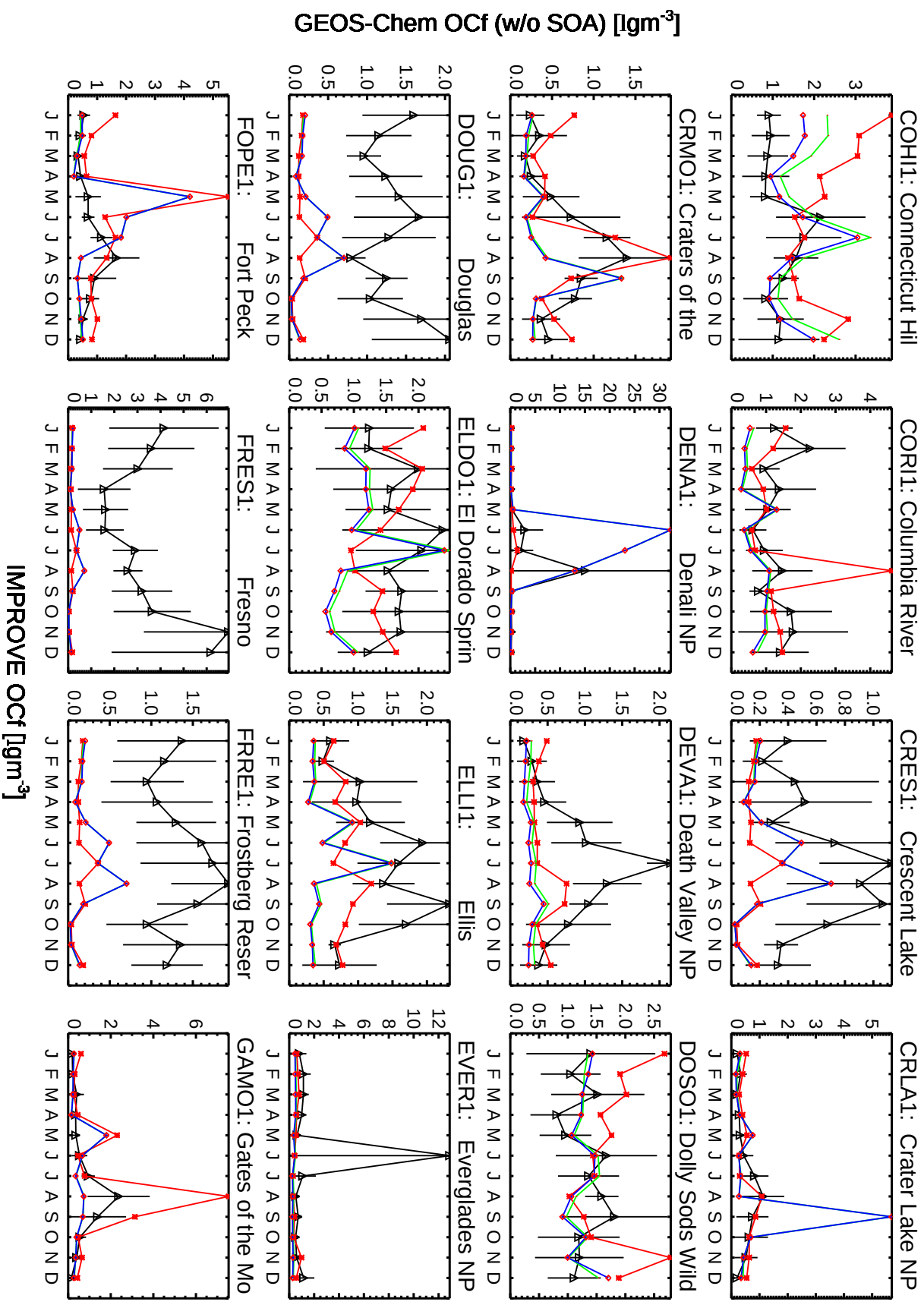
Red: GCC_12.9.0 (2016); Green: GCC_13.0.0 (2019); Blue: GCC_13.2.0 (2019)



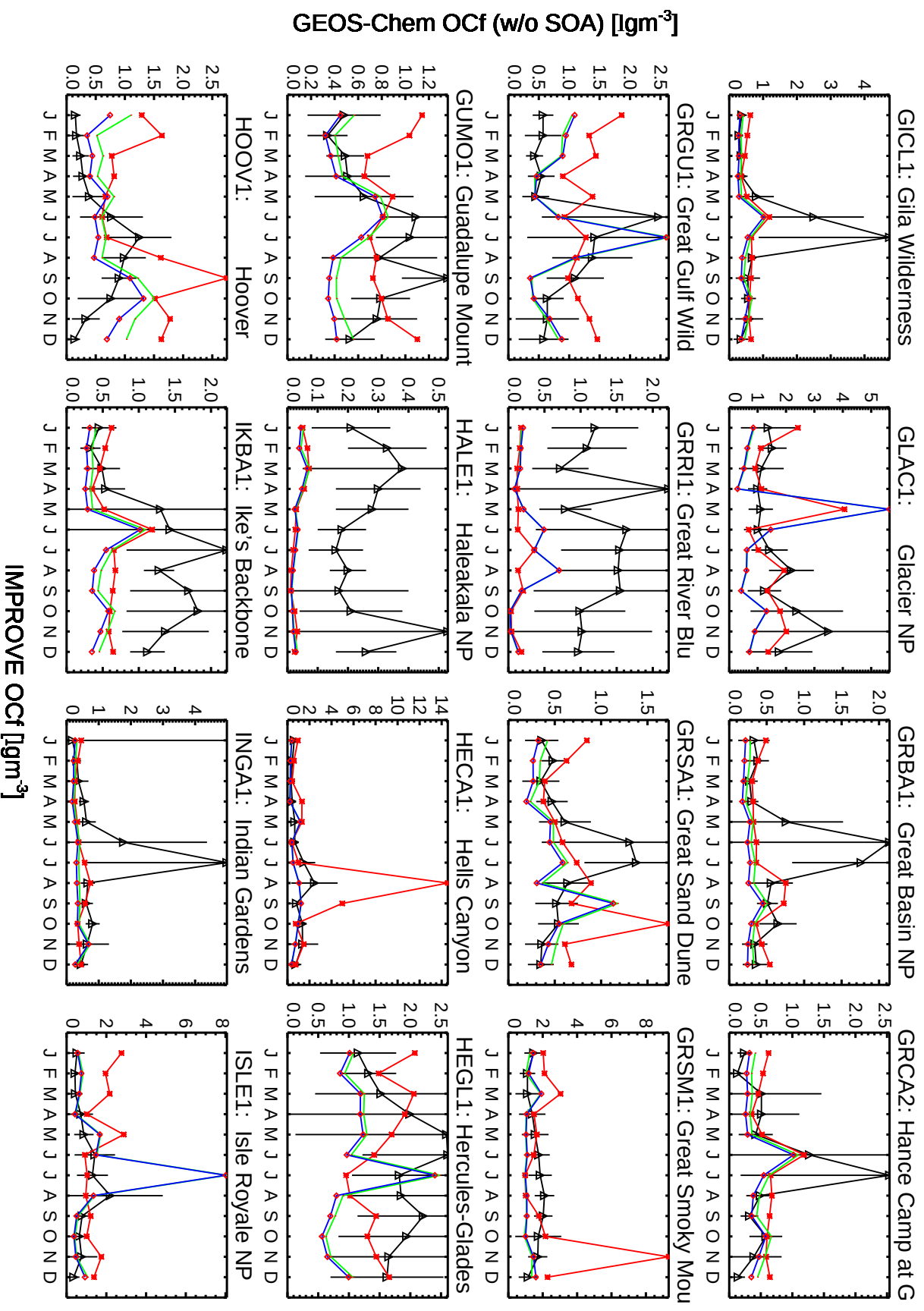
Red: GCC_12.9.0 (2016); Green: GCC_13.0.0 (2019); Blue: GCC_13.2.0 (2019)



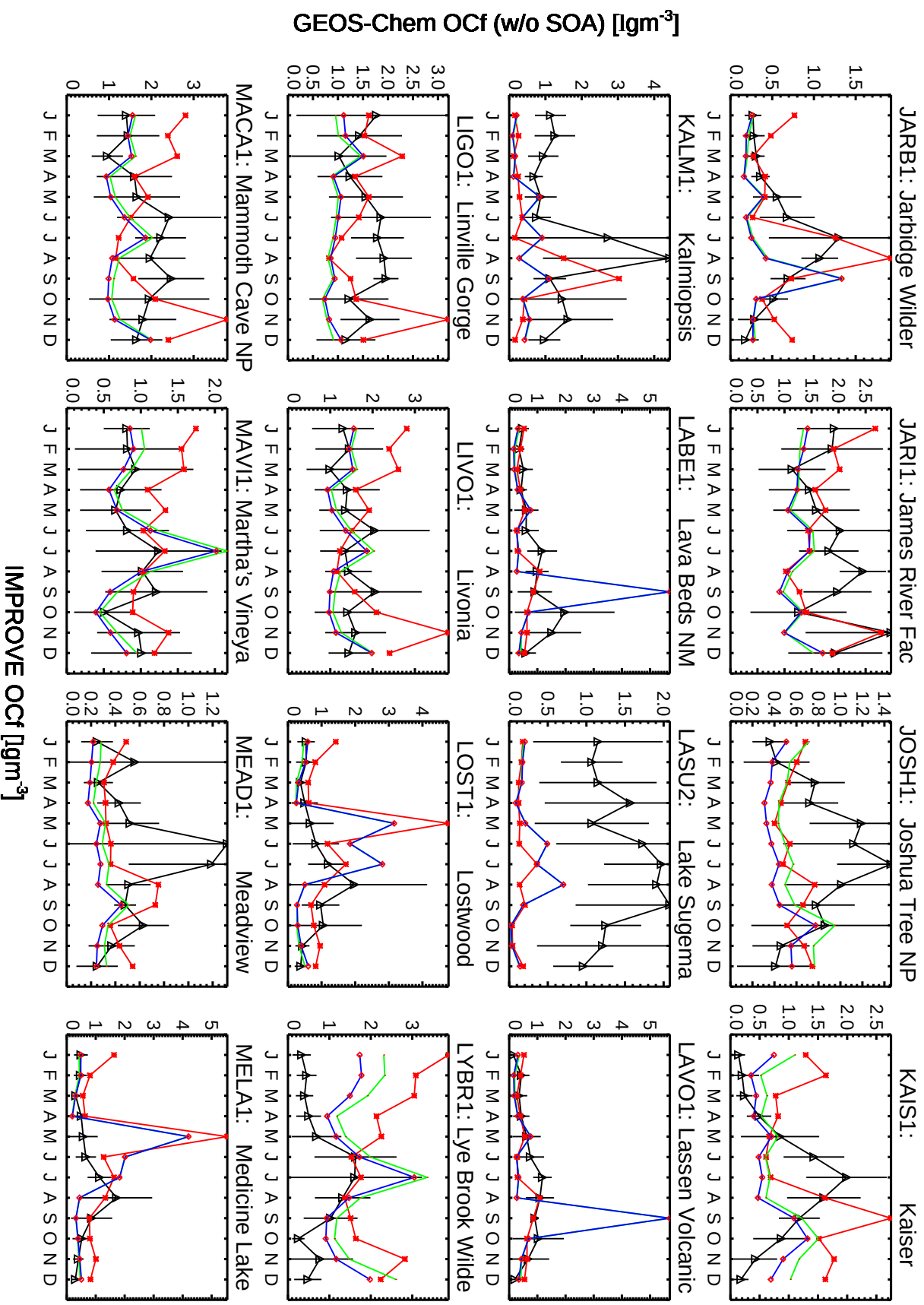
Red: GCC_12.9.0 (2016); Green: GCC_13.0.0 (2019); Blue: GCC_13.2.0 (2019)



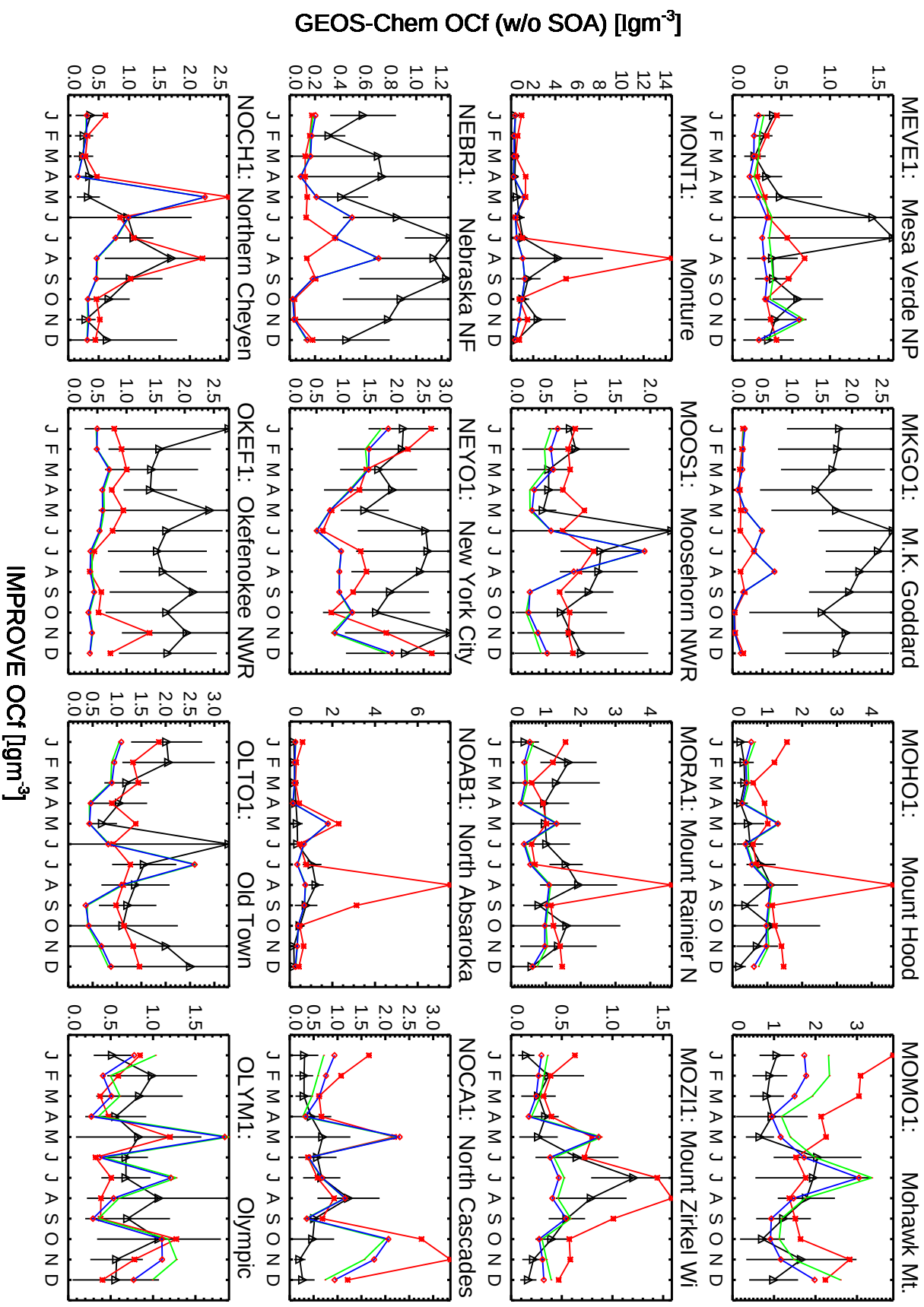
Red: GCC_12.9.0 (2016); Green: GCC_13.0.0 (2019); Blue: GCC_13.2.0 (2019)



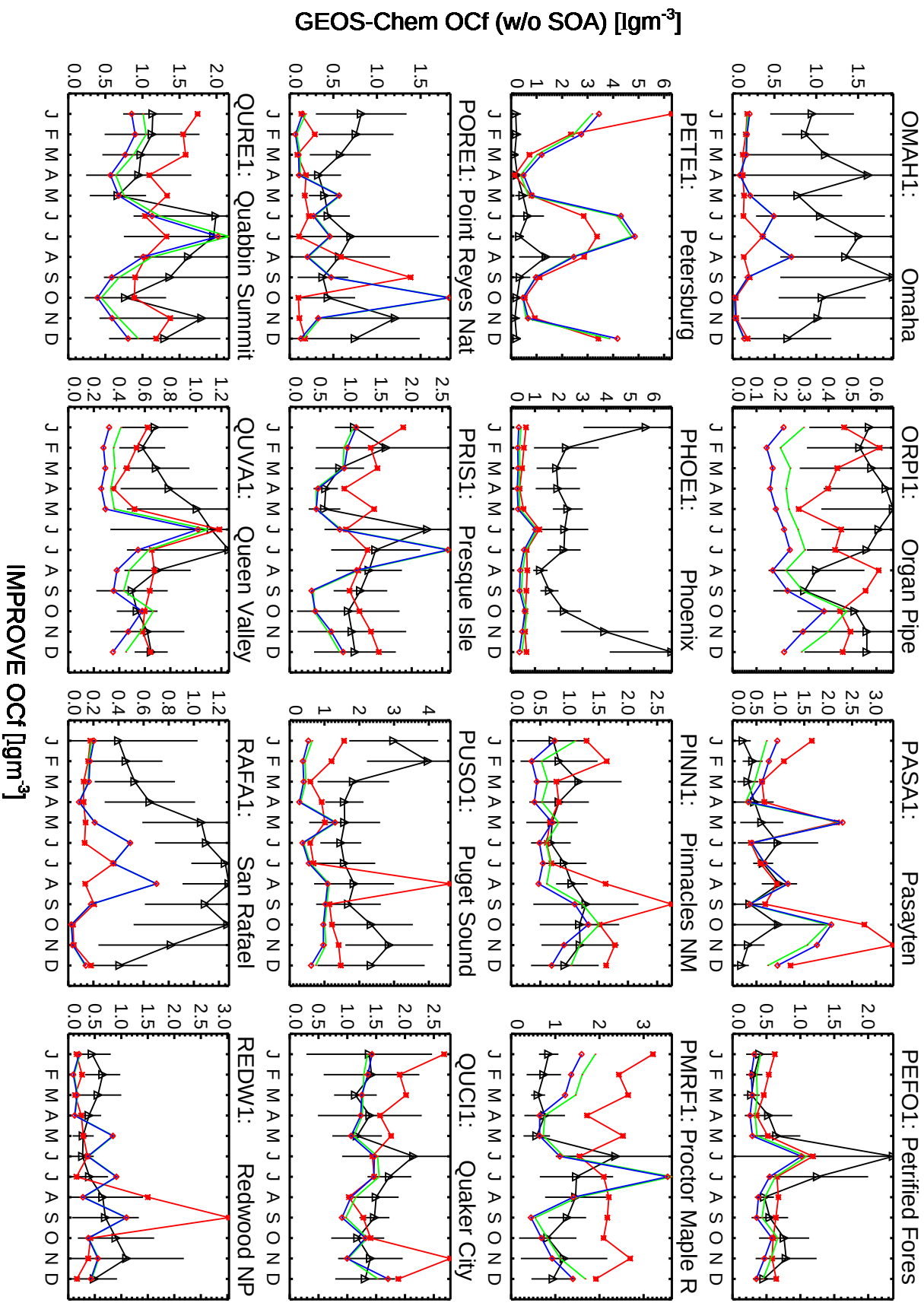
Red: GCC_12.9.0 (2016); Green: GCC_13.0.0 (2019); Blue: GCC_13.2.0 (2019)



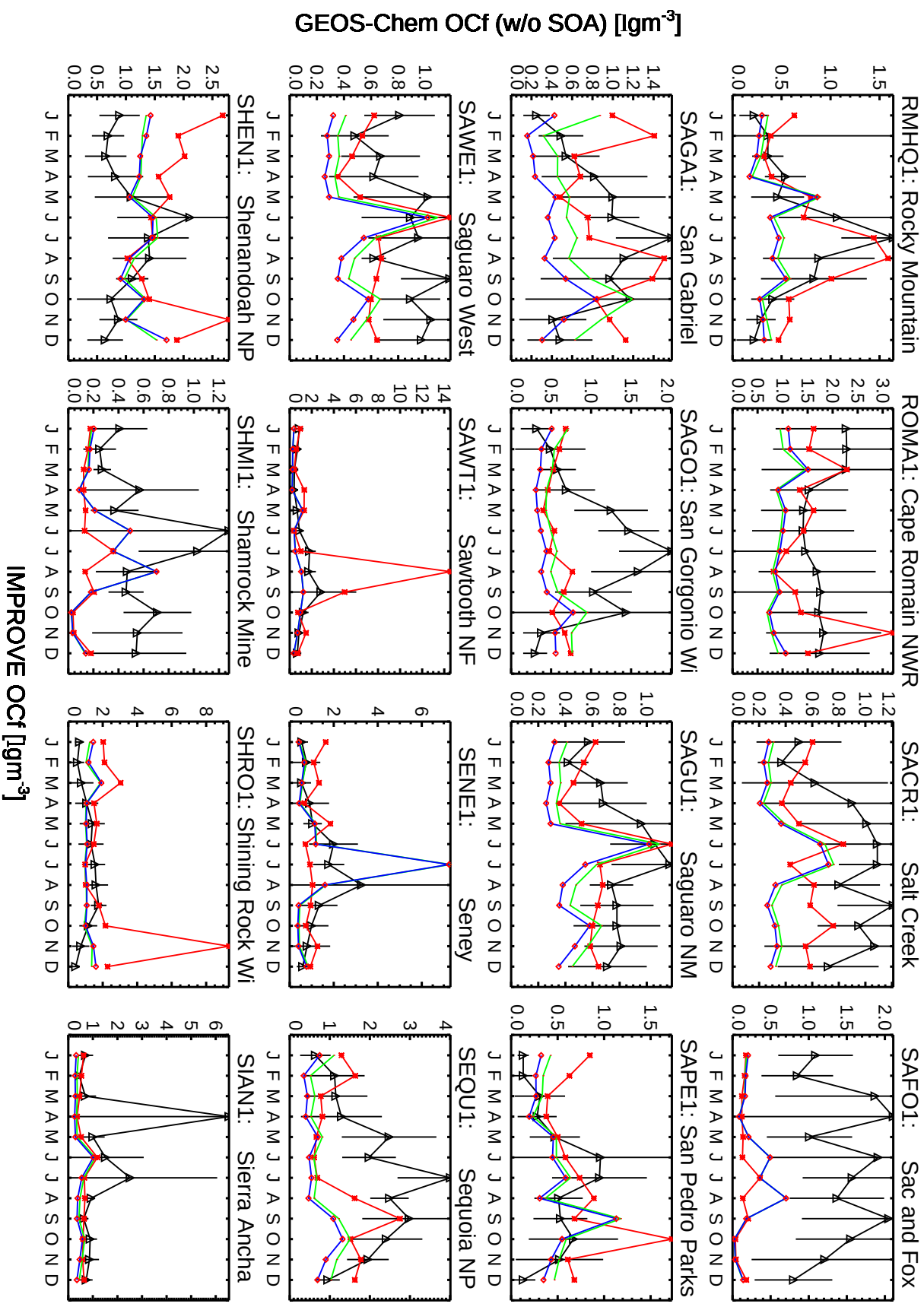
Red: GCC_12.9.0 (2016); Green: GCC_13.0.0 (2019); Blue: GCC_13.2.0 (2019)



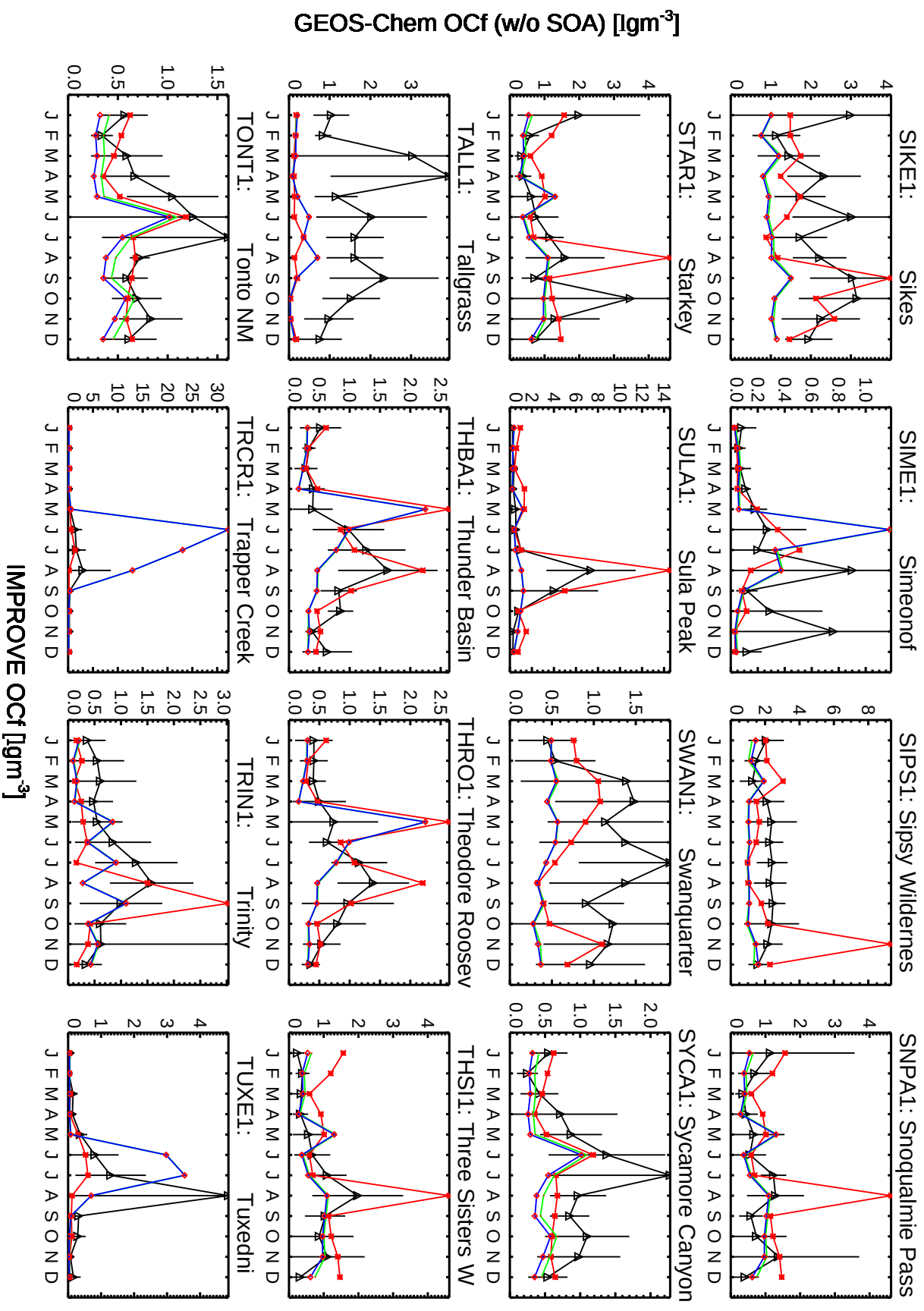
Red: GCC_12.9.0 (2016); Green: GCC_13.0.0 (2019); Blue: GCC_13.2.0 (2019)



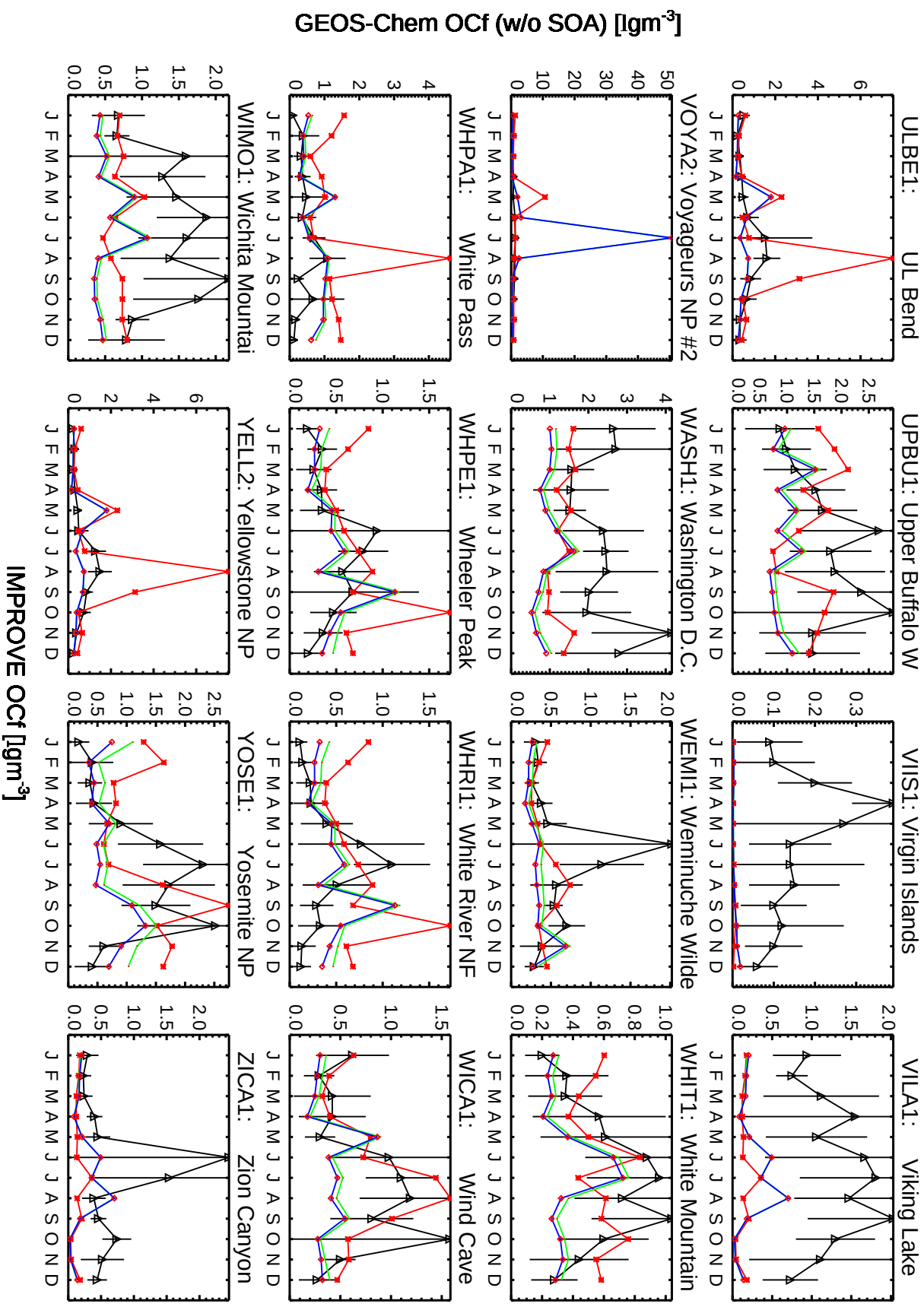
Red: GCC_12.9.0 (2016); Green: GCC_13.0.0 (2019); Blue: GCC_13.2.0 (2019)



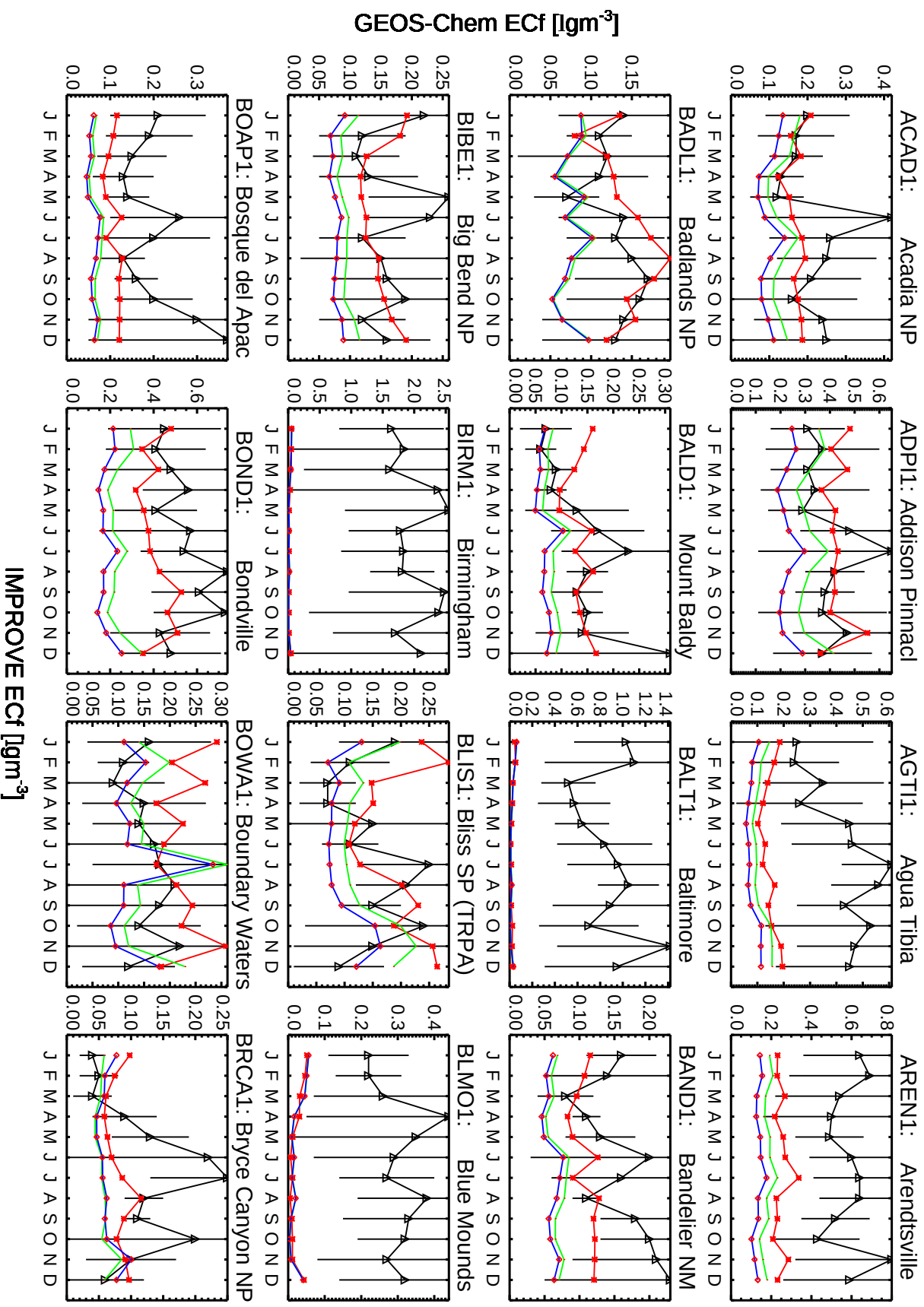
Red: GCC_12.9.0 (2016); Green: GCC_13.0.0 (2019); Blue: GCC_13.2.0 (2019)



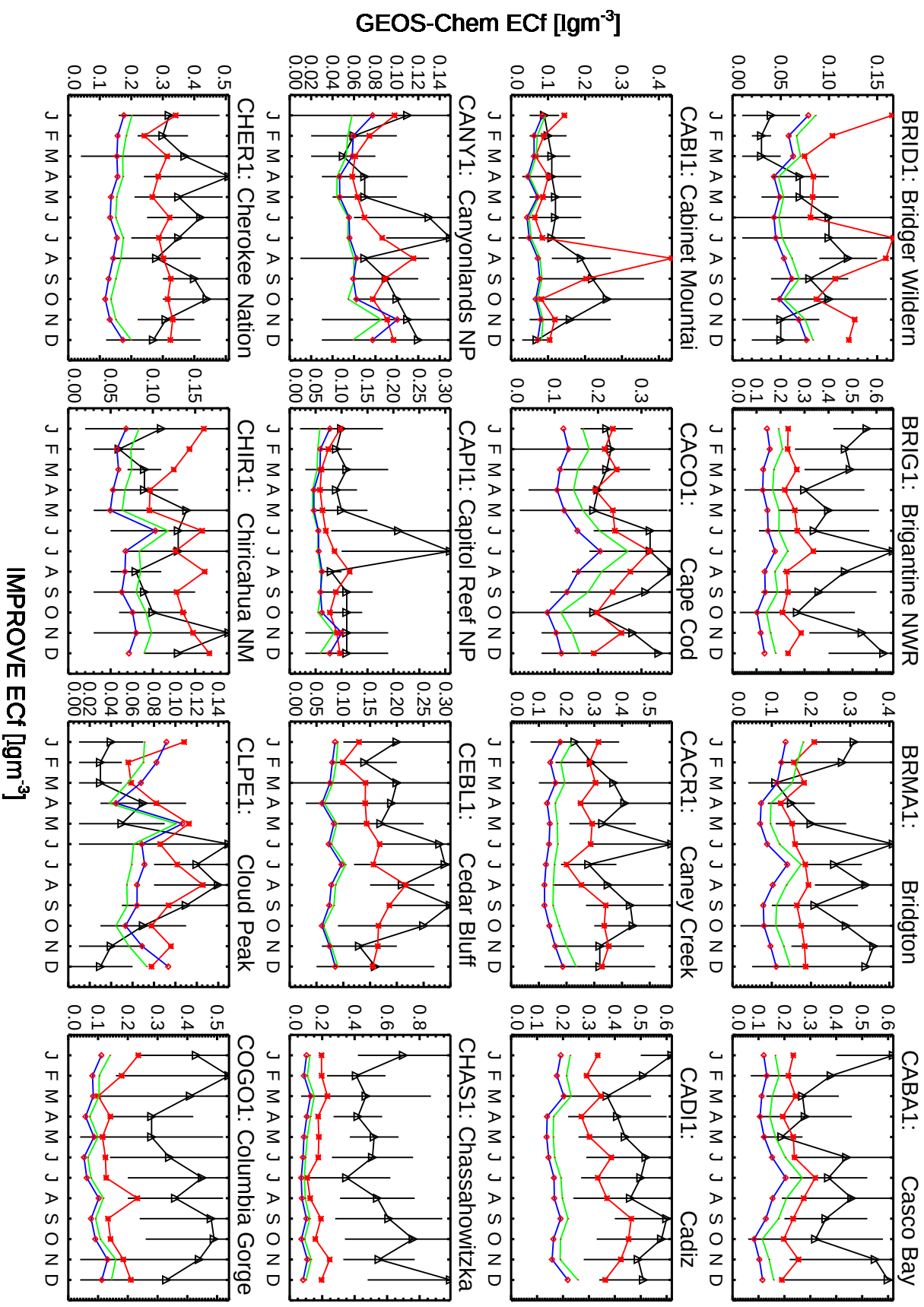
Red: GCC_12.9.0 (2016); Green: GCC_13.0.0 (2019); Blue: GCC_13.2.0 (2019)



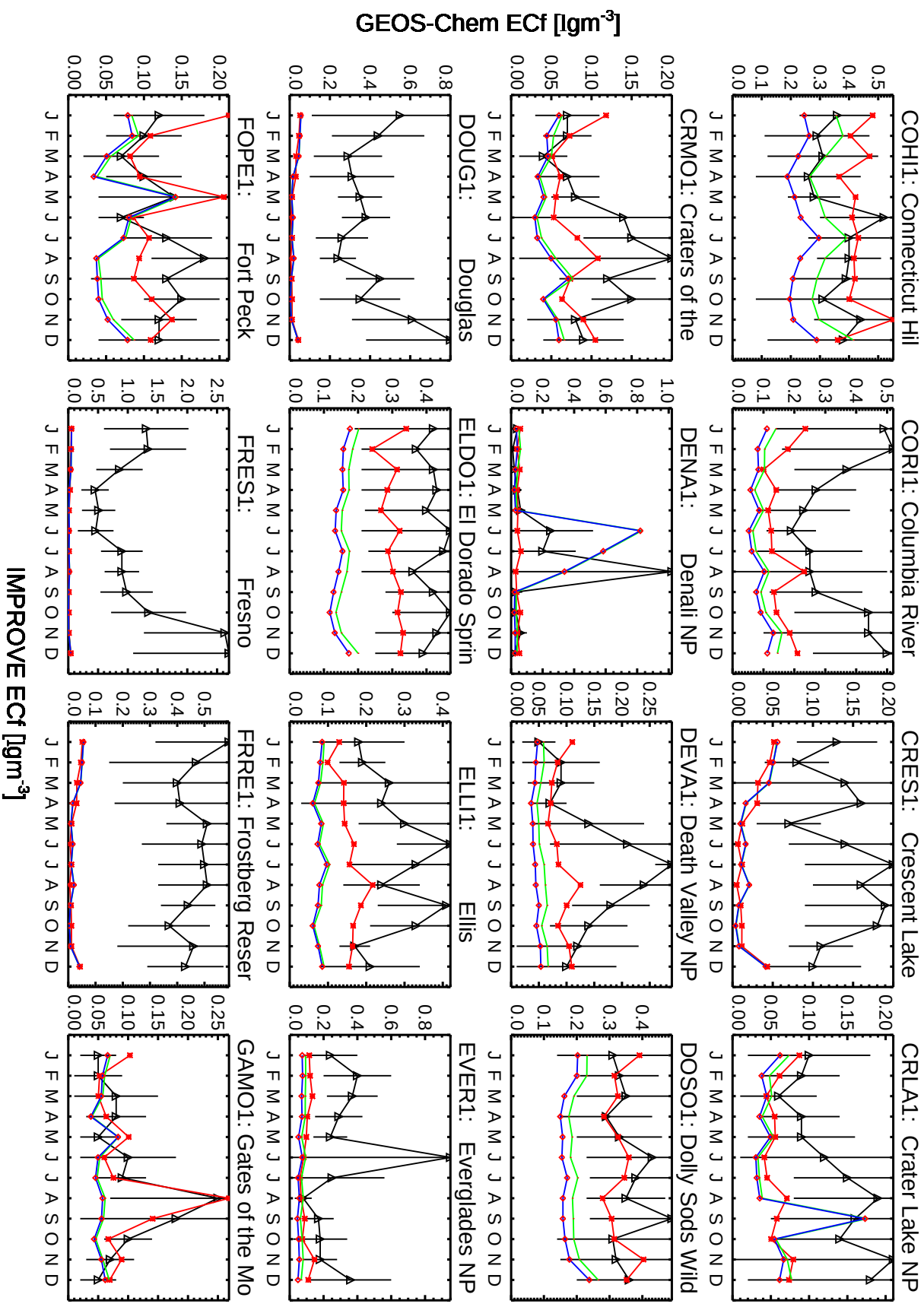
Red: GCC_12.9.0 (2016); Green: GCC_13.0.0 (2019); Blue: GCC_13.2.0 (2019)



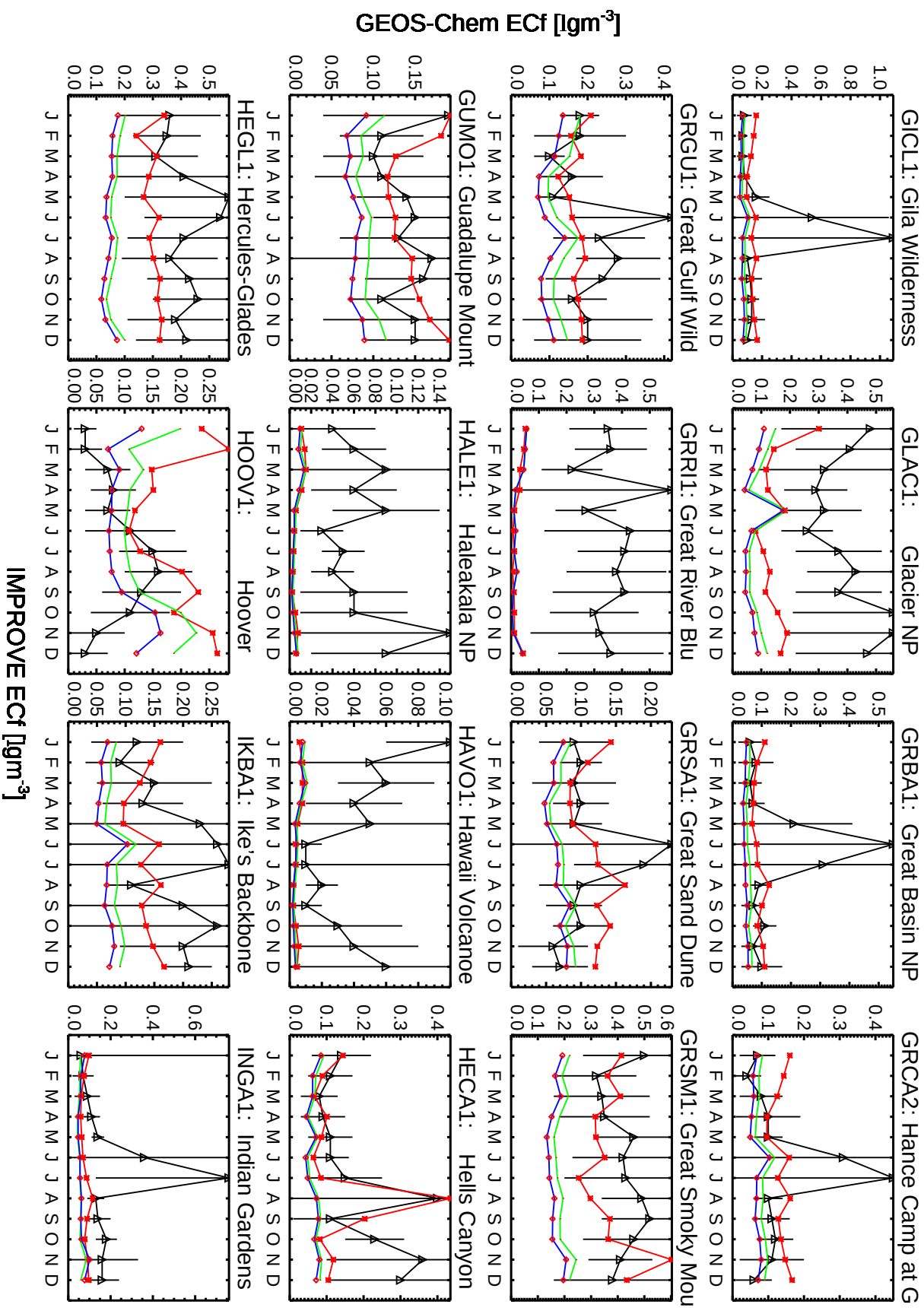
Red: GCC_12.9.0 (2016); Green: GCC_13.0.0 (2019); Blue: GCC_13.2.0 (2019)



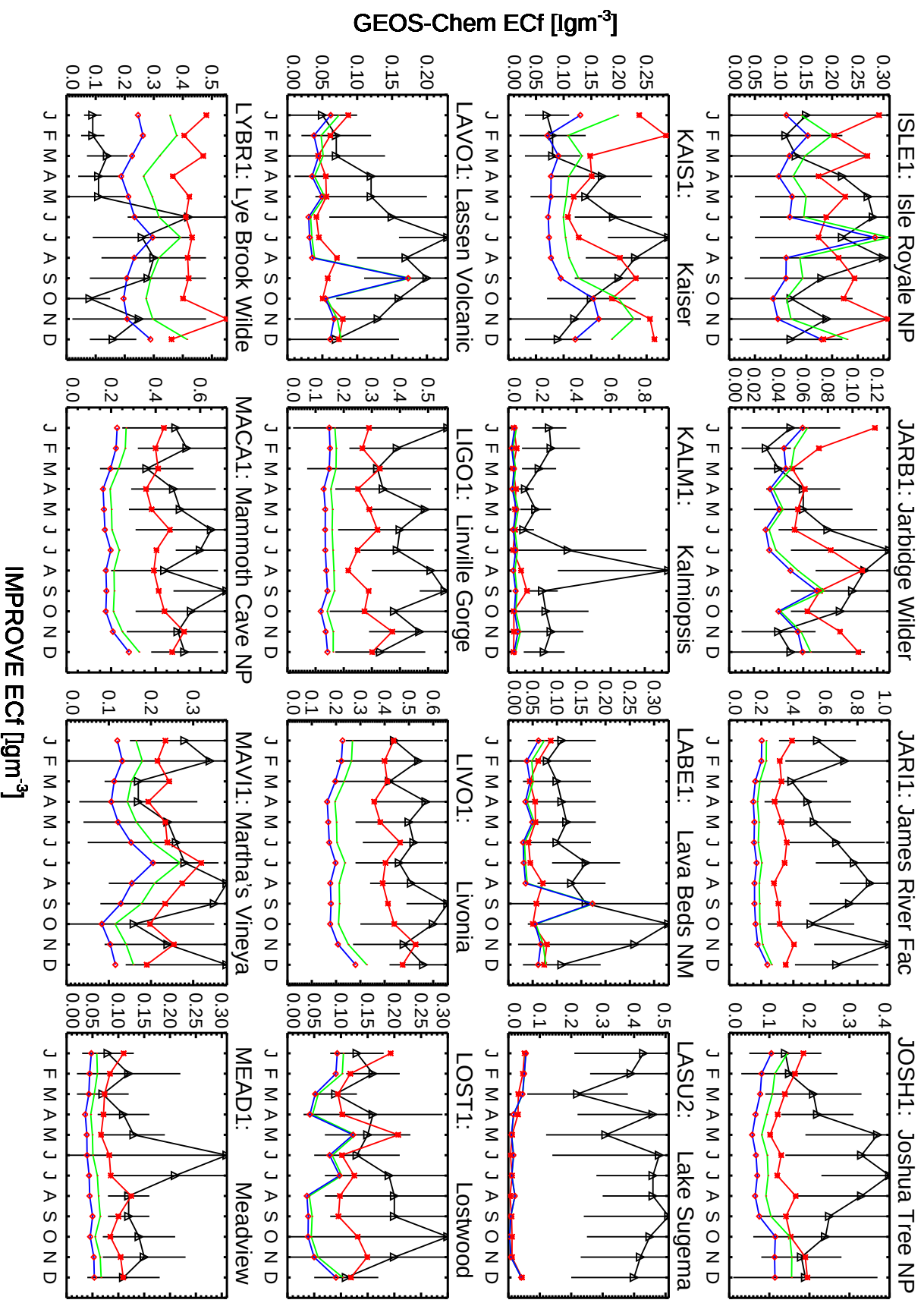
Red: GCC_12.9.0 (2016); Green: GCC_13.0.0 (2019); Blue: GCC_13.2.0 (2019)



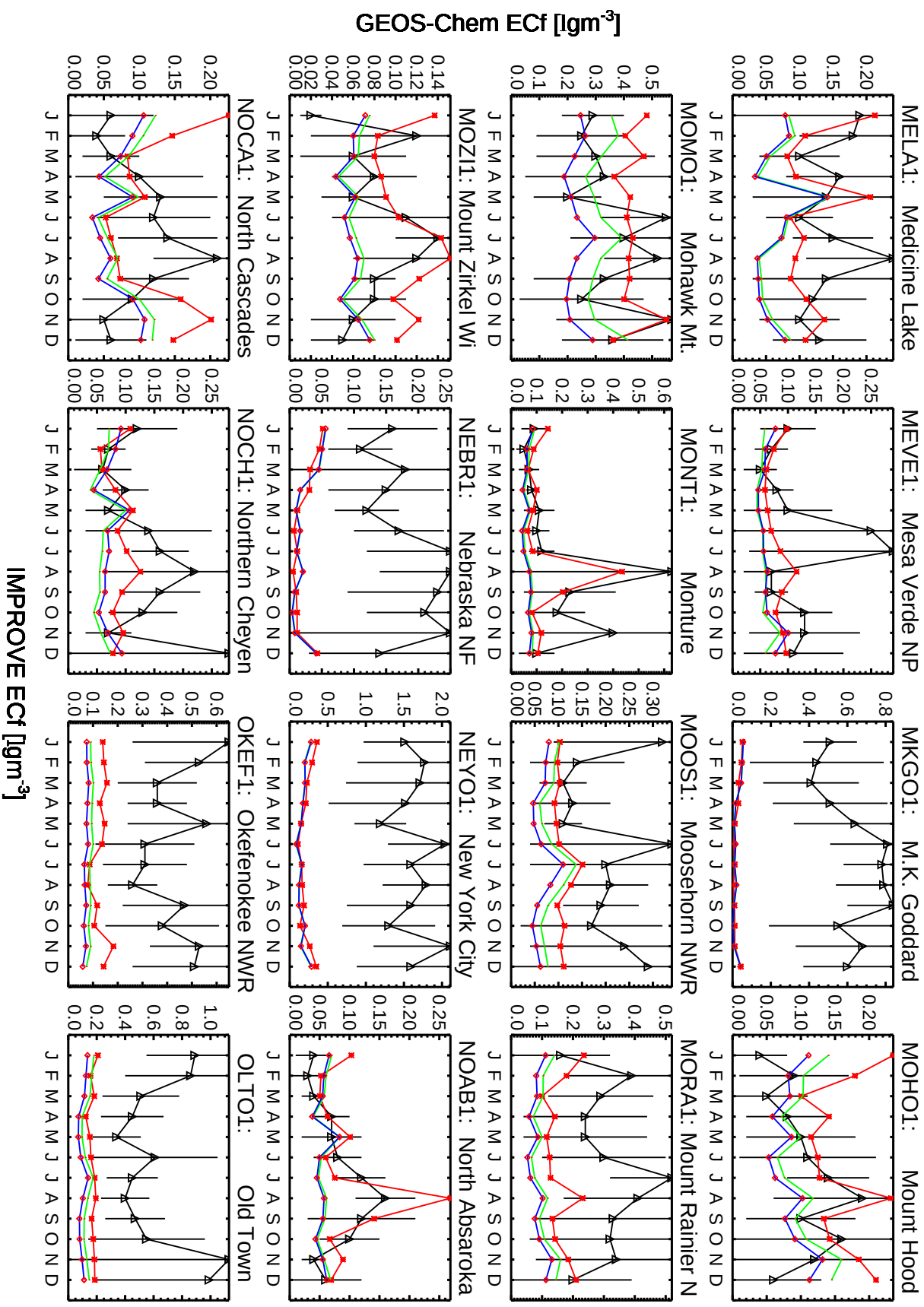
Red: GCC_12.9.0 (2016); Green: GCC_13.0.0 (2019); Blue: GCC_13.2.0 (2019)



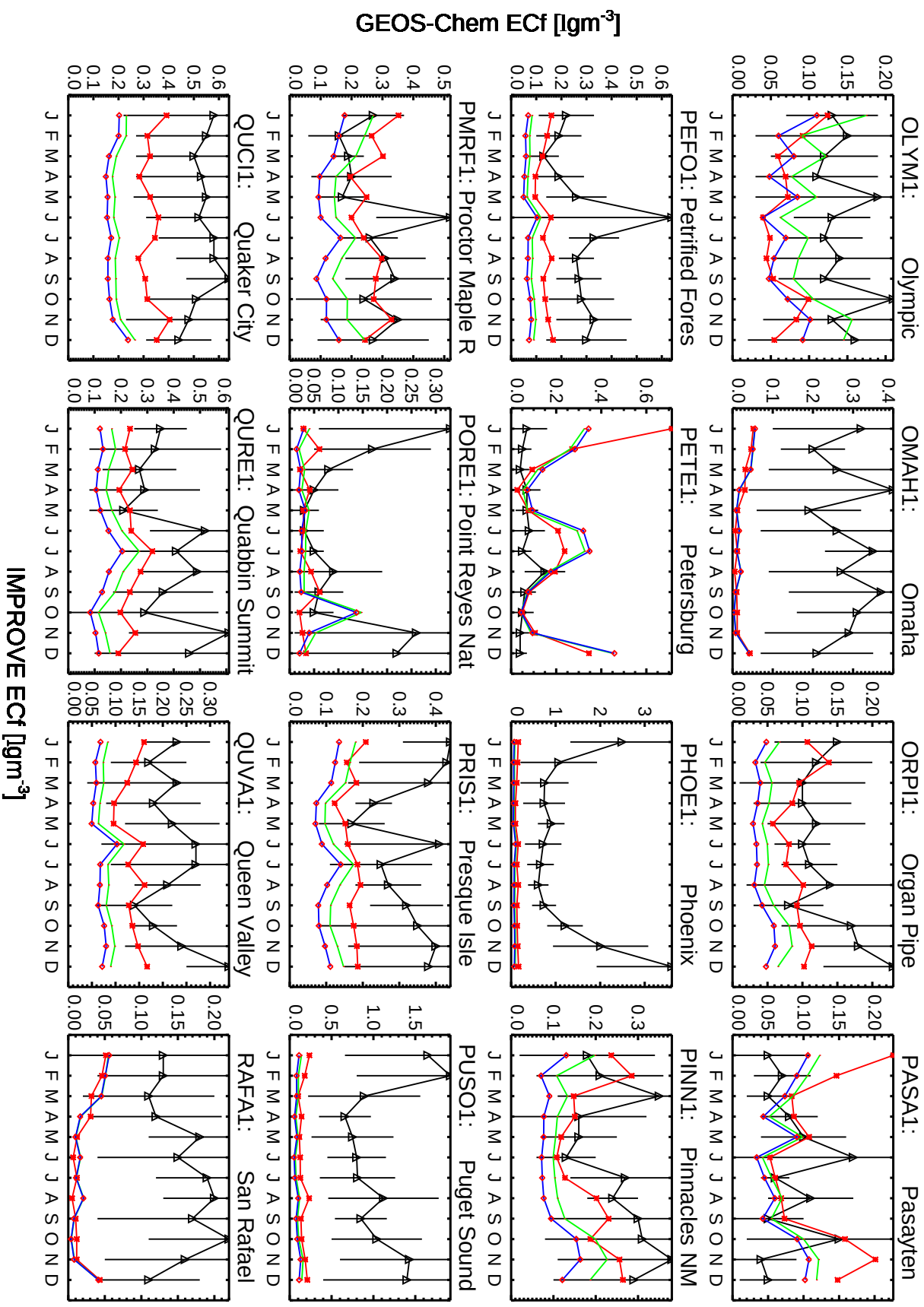
Red: GCC_12.9.0 (2016); Green: GCC_13.0.0 (2019); Blue: GCC_13.2.0 (2019)



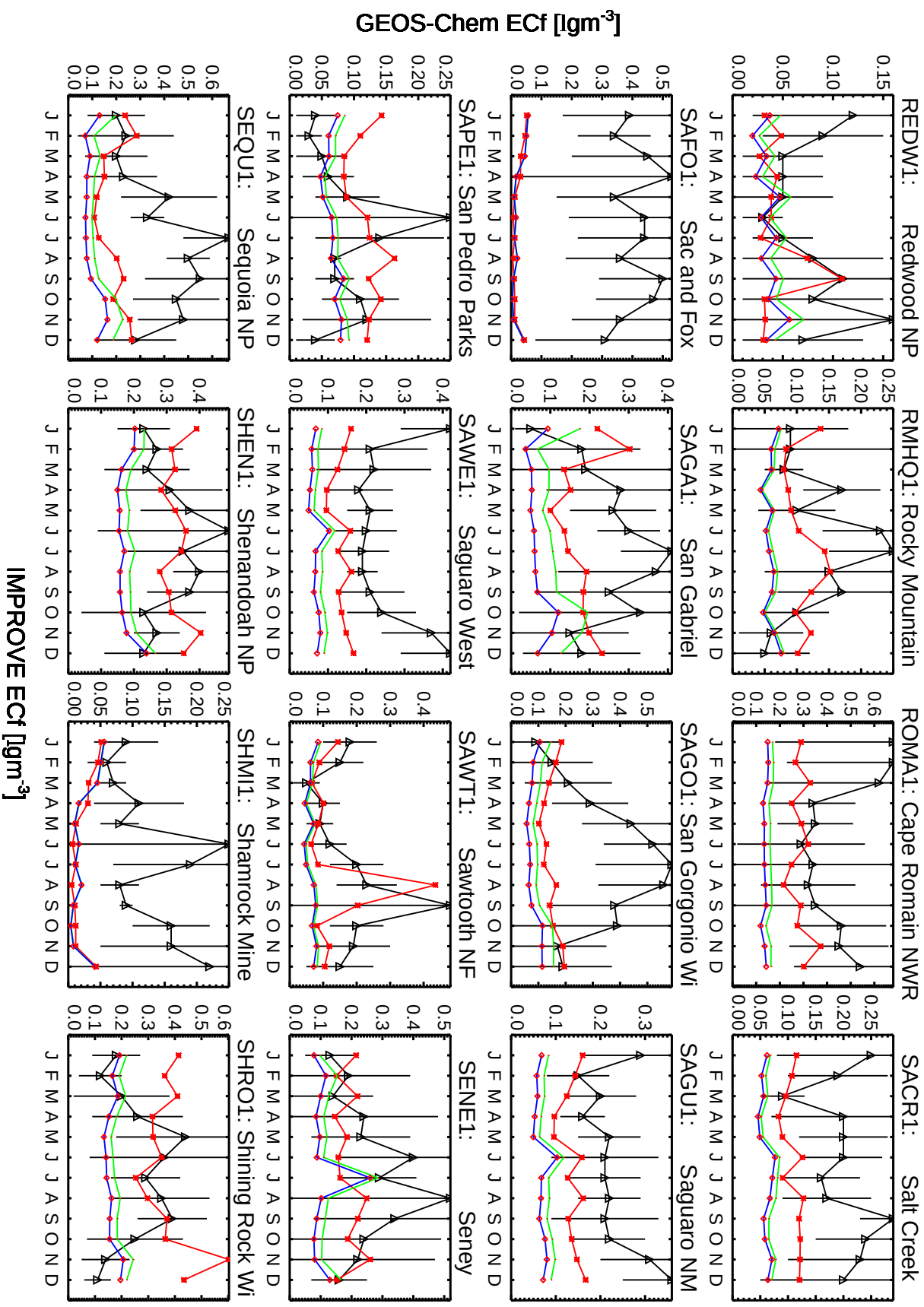
Red: GCC_12.9.0 (2016); Green: GCC_13.0.0 (2019); Blue: GCC_13.2.0 (2019)



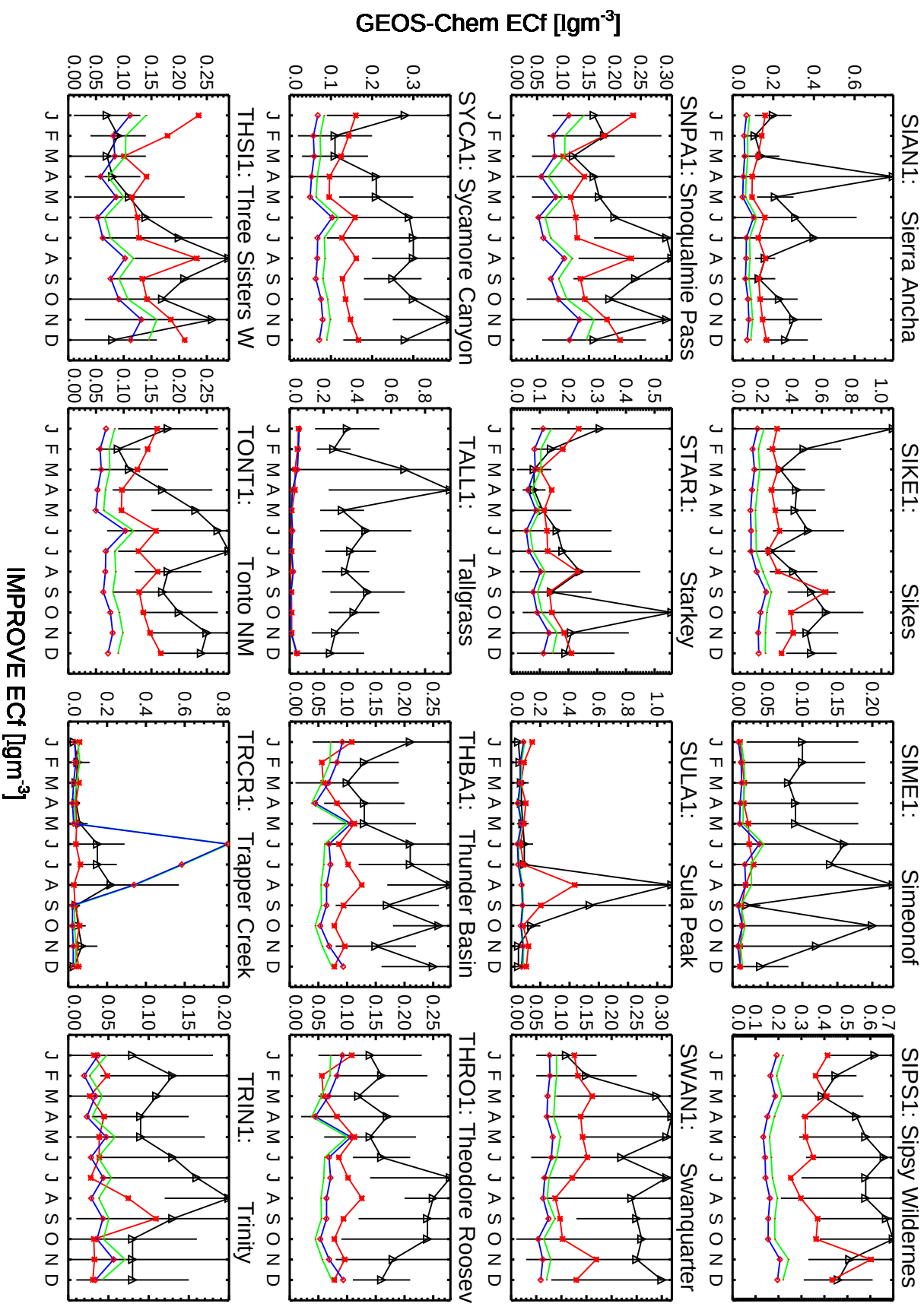
Red: GCC_12.9.0 (2016); Green: GCC_13.0.0 (2019); Blue: GCC_13.2.0 (2019)



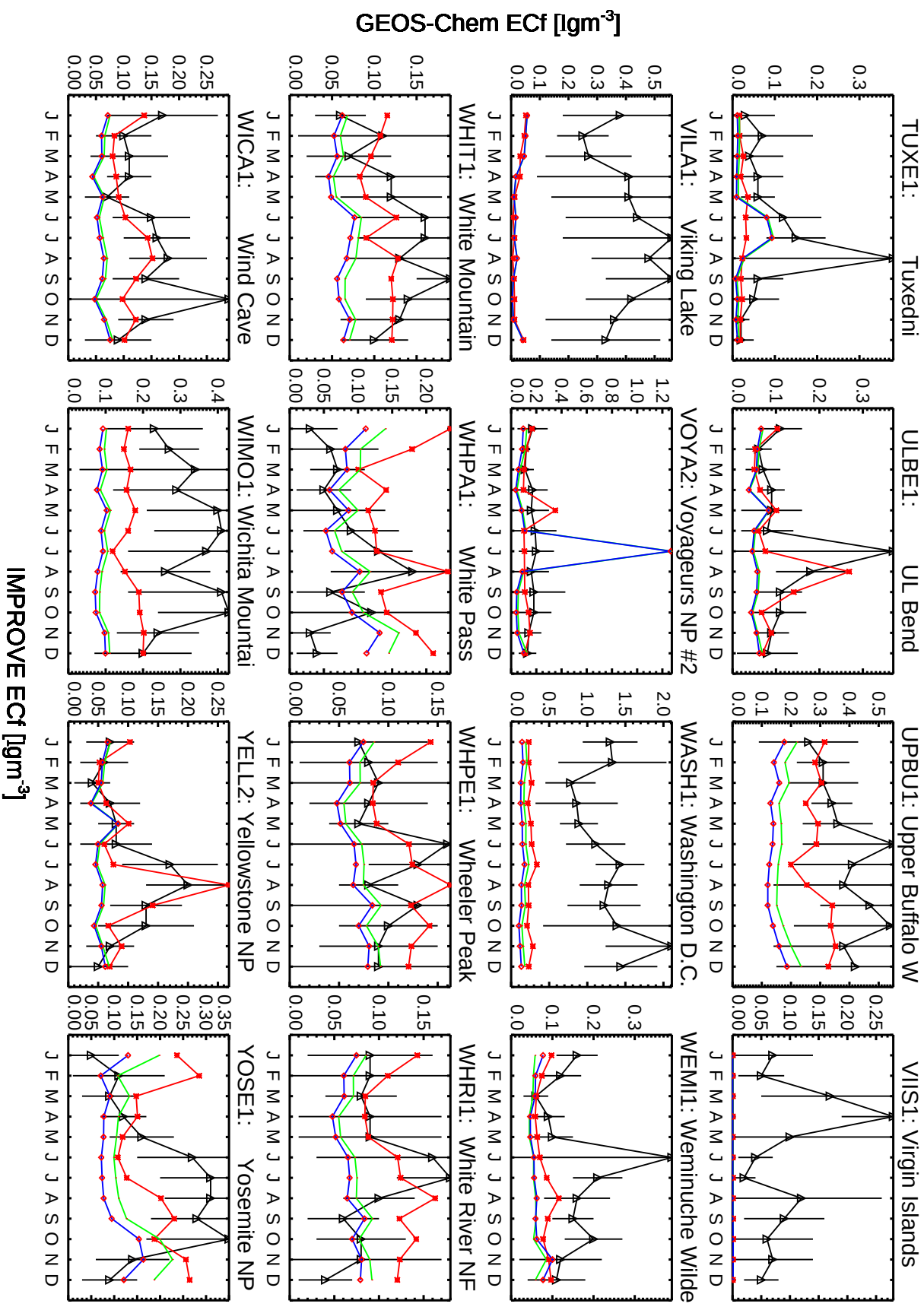
Red: GCC_12.9.0 (2016); Green: GCC_13.0.0 (2019); Blue: GCC_13.2.0 (2019)



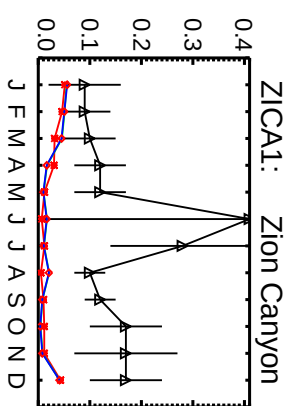
Red: GCC_12.9.0 (2016); Green: GCC_13.0.0 (2019); Blue: GCC_13.2.0 (2019)



Red: GCC_12.9.0 (2016); Green: GCC_13.0.0 (2019); Blue: GCC_13.2.0 (2019)



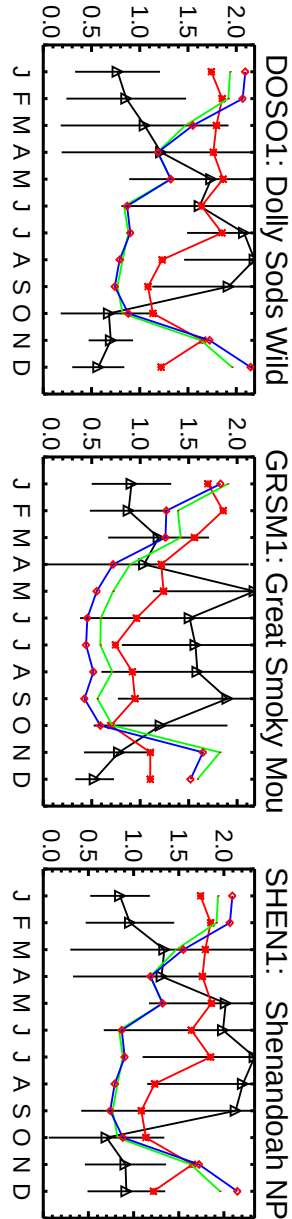
Red: GCC_12.9.0 (2016); Green: GCC_13.0.0 (2019); Blue: GCC_13.2.0 (2019)



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

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

Red: GCC_12.9.0 (2016); Green: GCC_13.0.0 (2019); Blue: GCC_13.2.0 (2019)



GEOS-Chem NH_4f [$\mu\text{g m}^{-3}$]

IMPROVE NH_4f [$\mu\text{g m}^{-3}$]