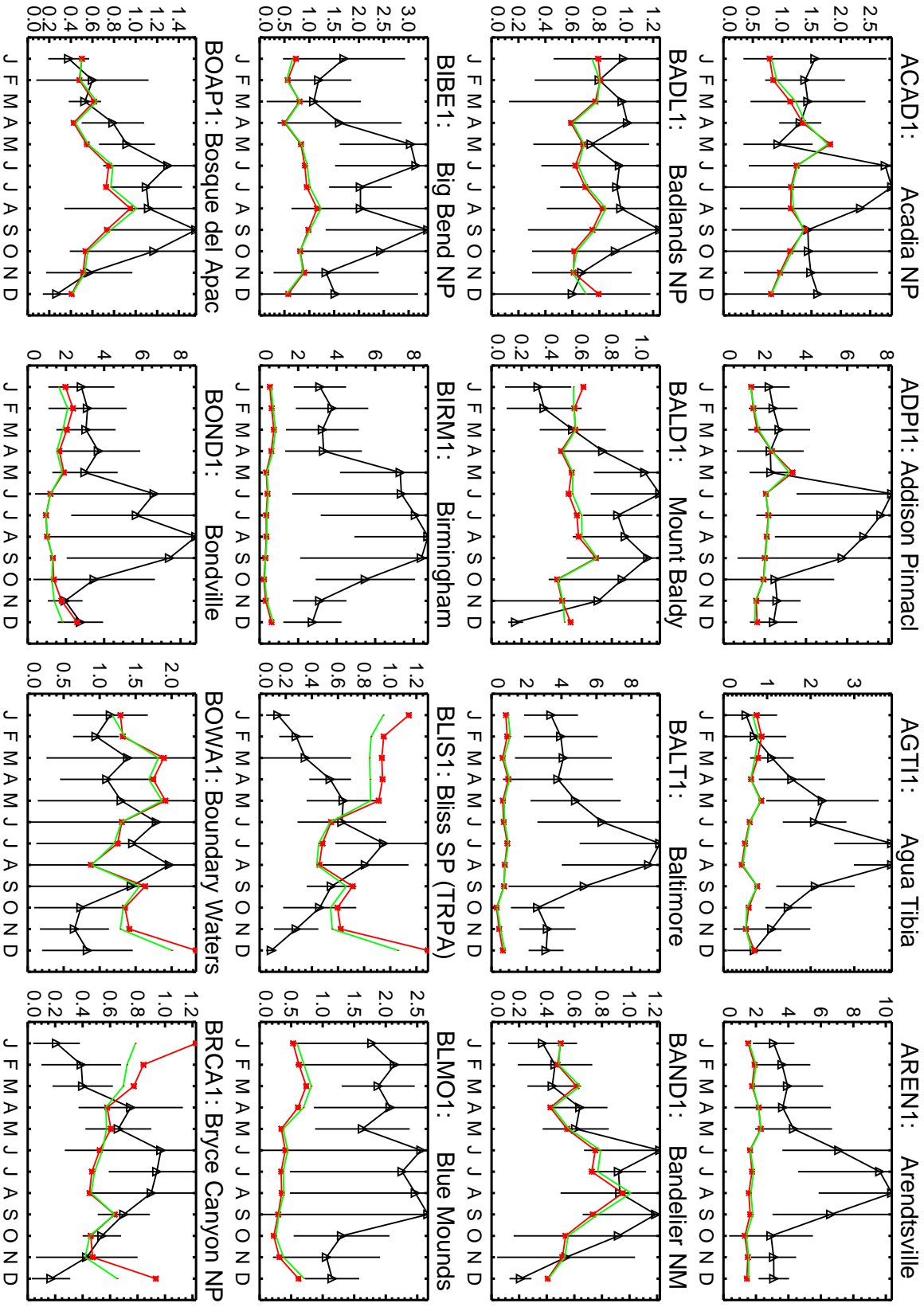


Red: GCC_14.0.0 (2019); Green: GCC_14.2.0 (2019)

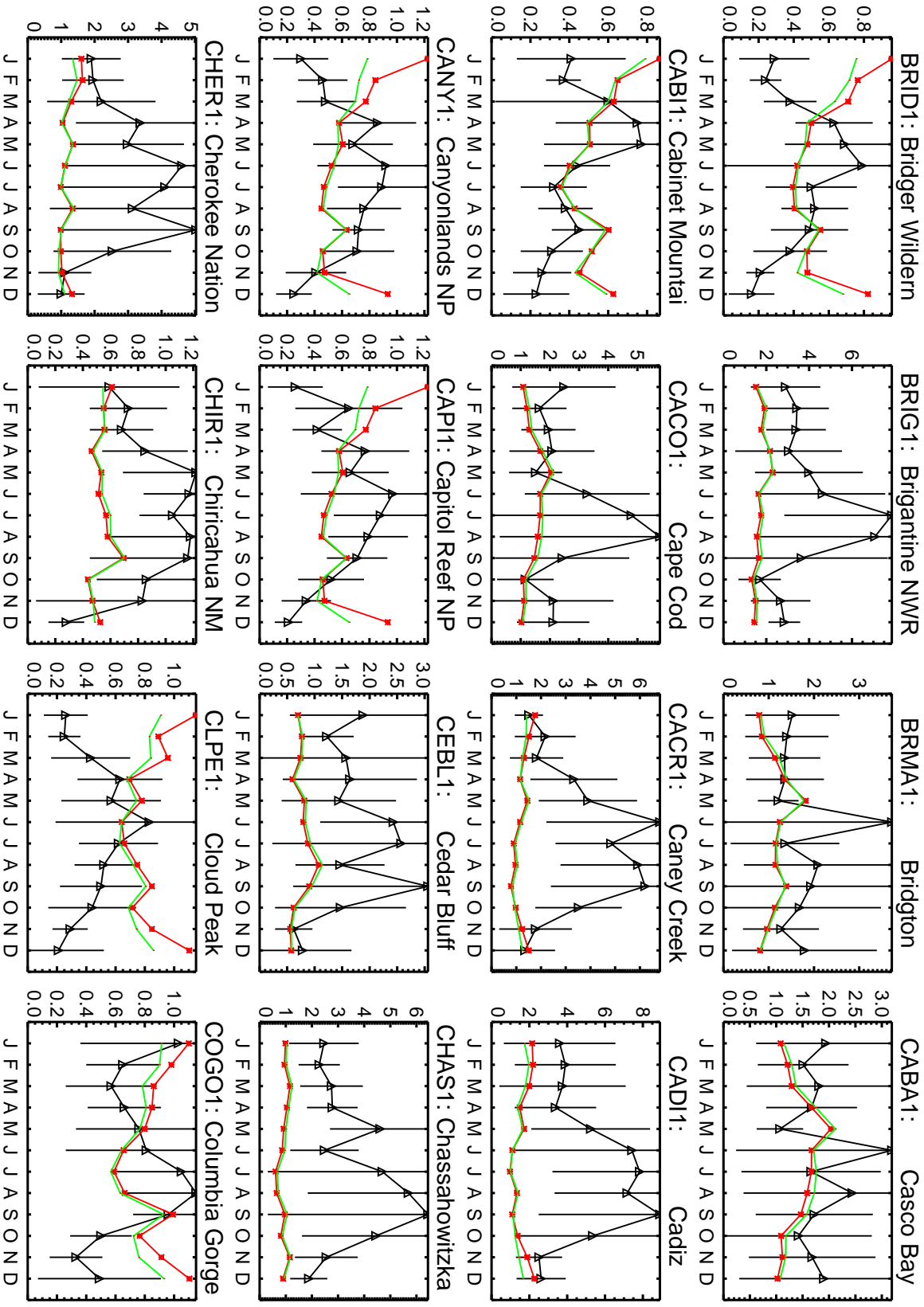
GEOS-Chem SO4f [$\mu\text{g m}^{-3}$]



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

Red: GCC_14.0.0 (2019); Green: GCC_14.2.0 (2019)

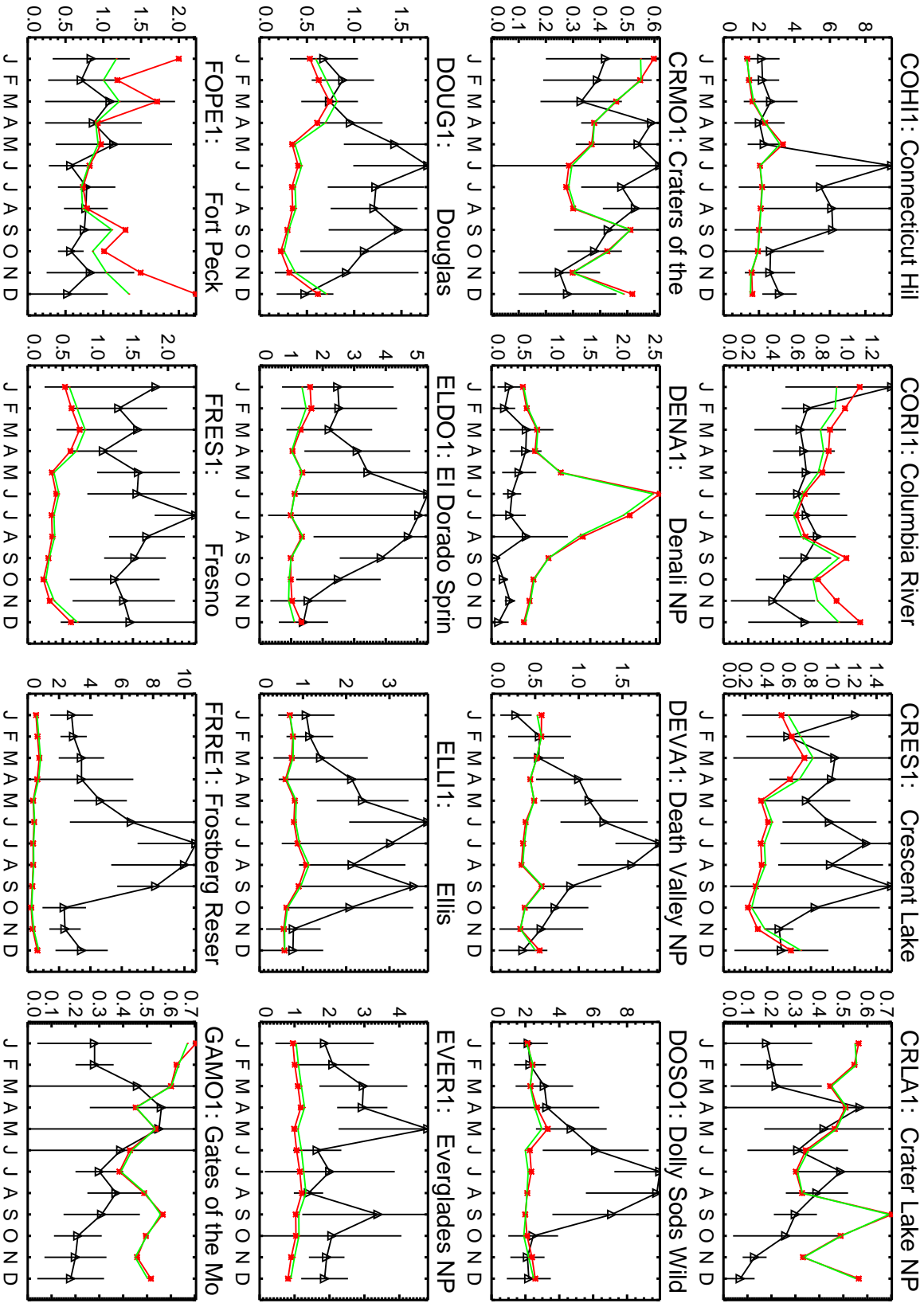
GEOS-Chem SO4f [$\mu\text{g m}^{-3}$]



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

Red: GCC_14.0.0 (2019); Green: GCC_14.2.0 (2019)

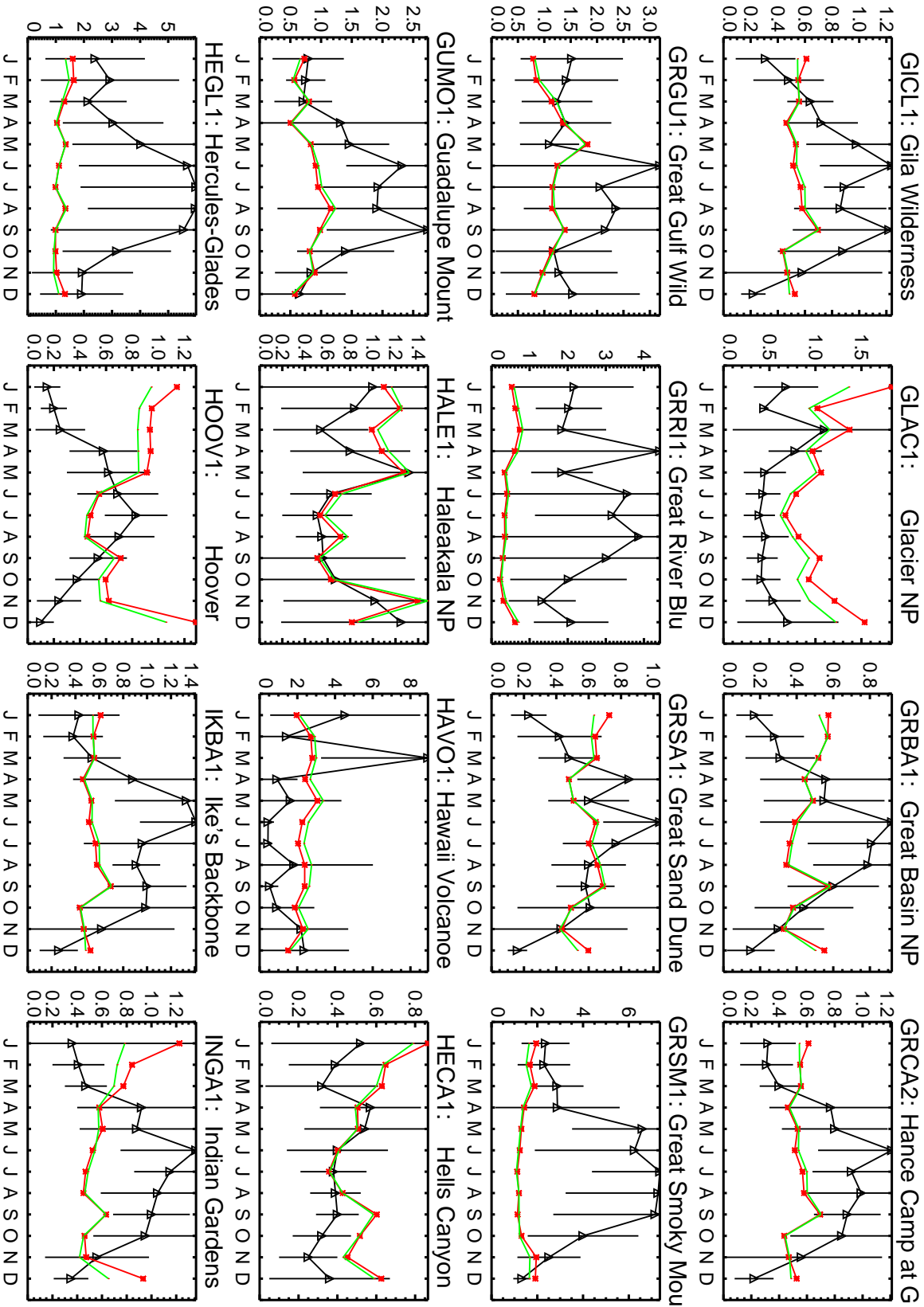
GEOS-Chem SO4f [μgm^{-3}]



IMPROVE SO4f [μgm^{-3}]

Red: GCC_14.0.0 (2019); Green: GCC_14.2.0 (2019)

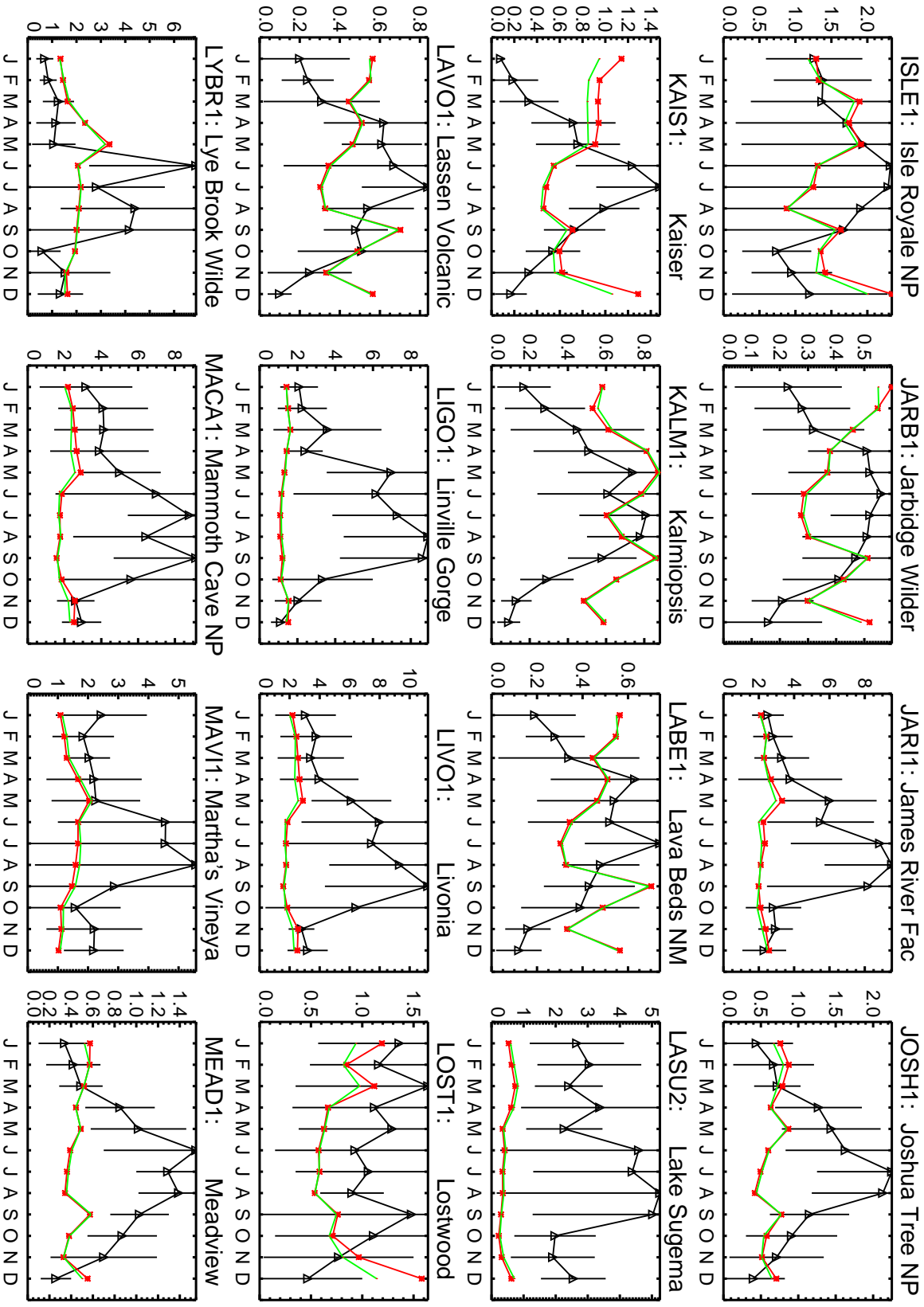
GEOS-Chem SO4f [μgm^{-3}]



IMPROVE SO4f [μgm^{-3}]

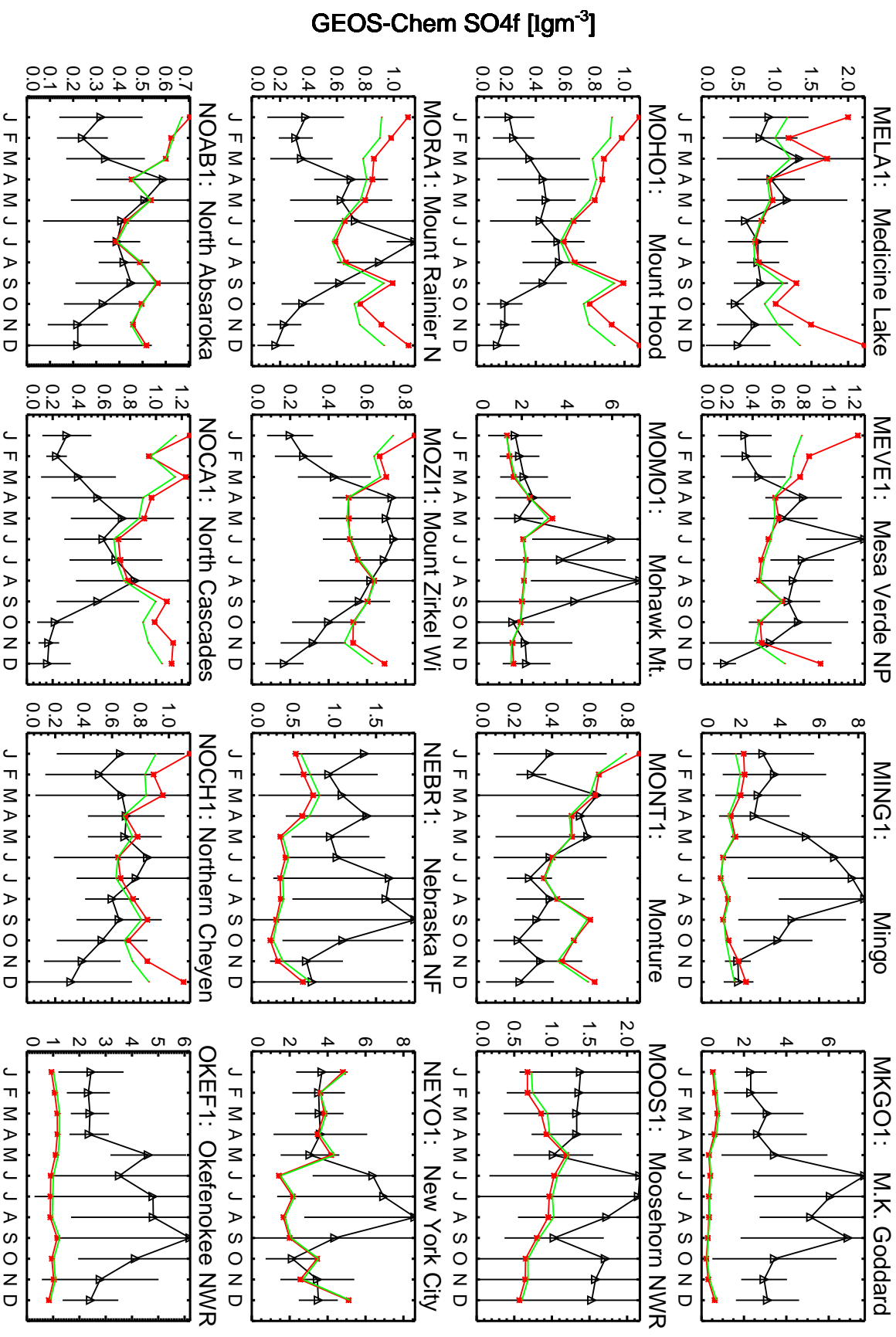
Red: GCC_14.0.0 (2019); Green: GCC_14.2.0 (2019)

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



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

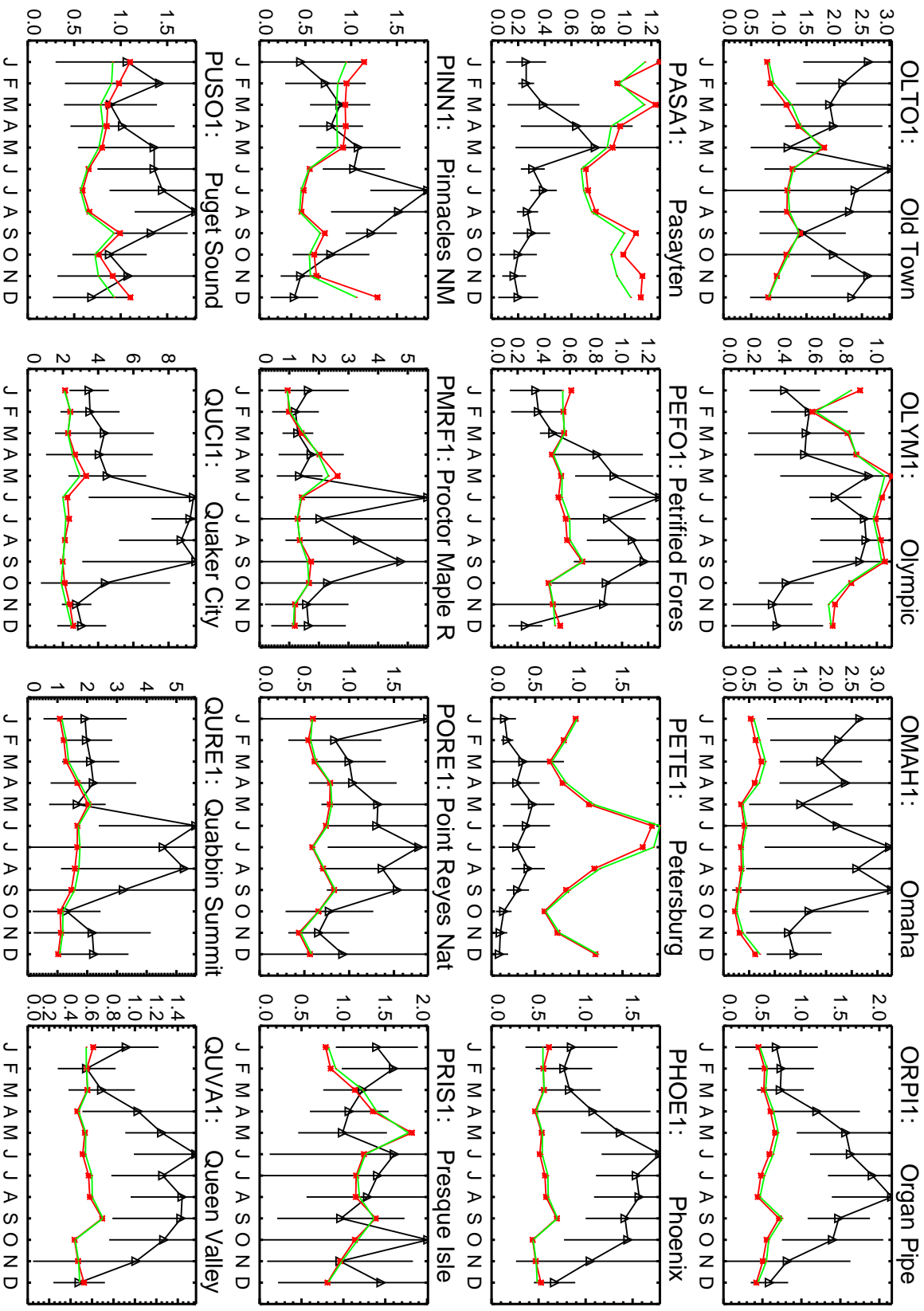
Red: GCC_14.0.0 (2019); Green: GCC_14.2.0 (2019)



IMPROVE SO₄f [Igm⁻³]

Red: GCC_14.0.0 (2019); Green: GCC_14.2.0 (2019)

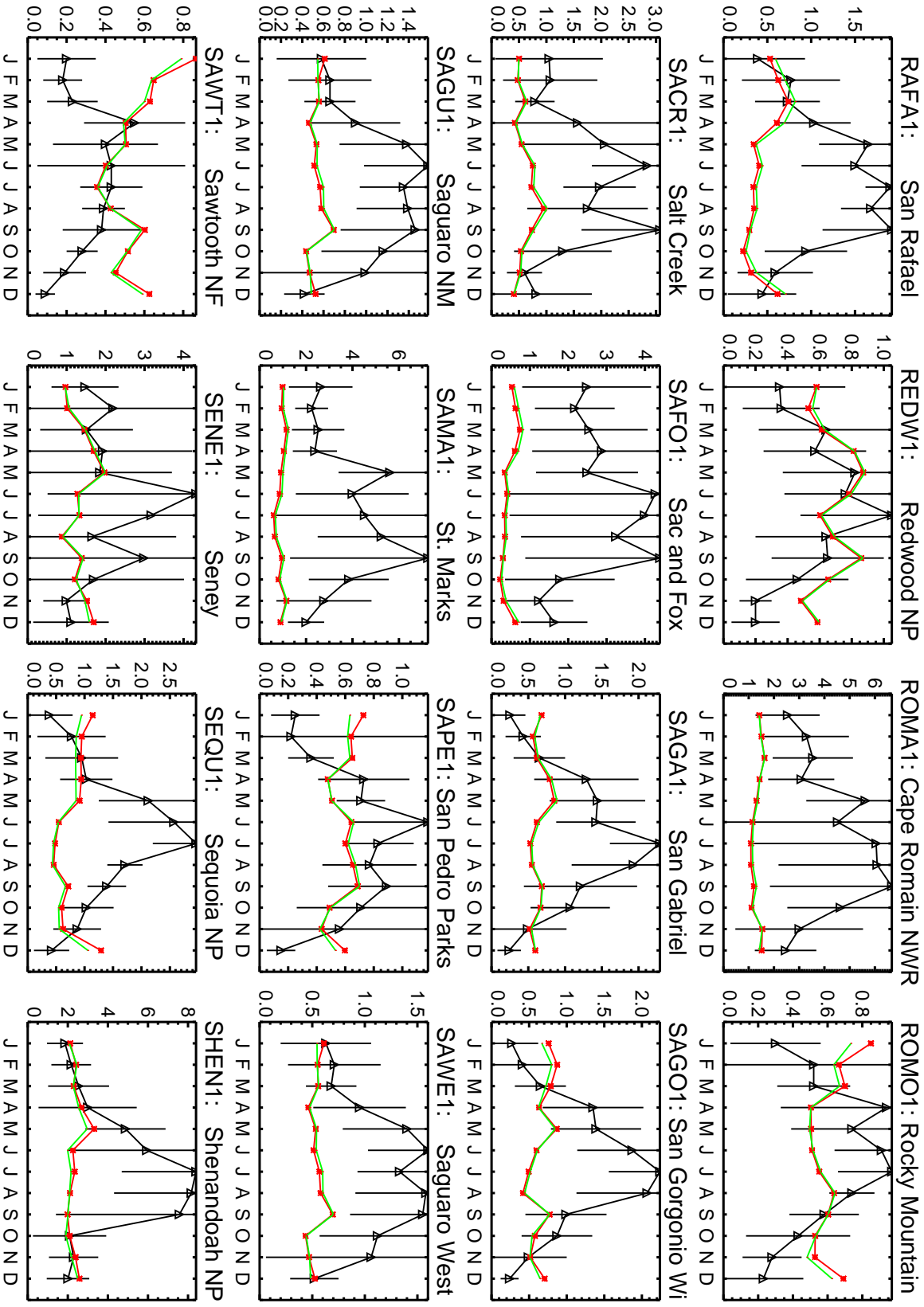
GEOS-Chem SO4f [$\mu\text{g m}^{-3}$]



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

Red: GCC_14.0.0 (2019); Green: GCC_14.2.0 (2019)

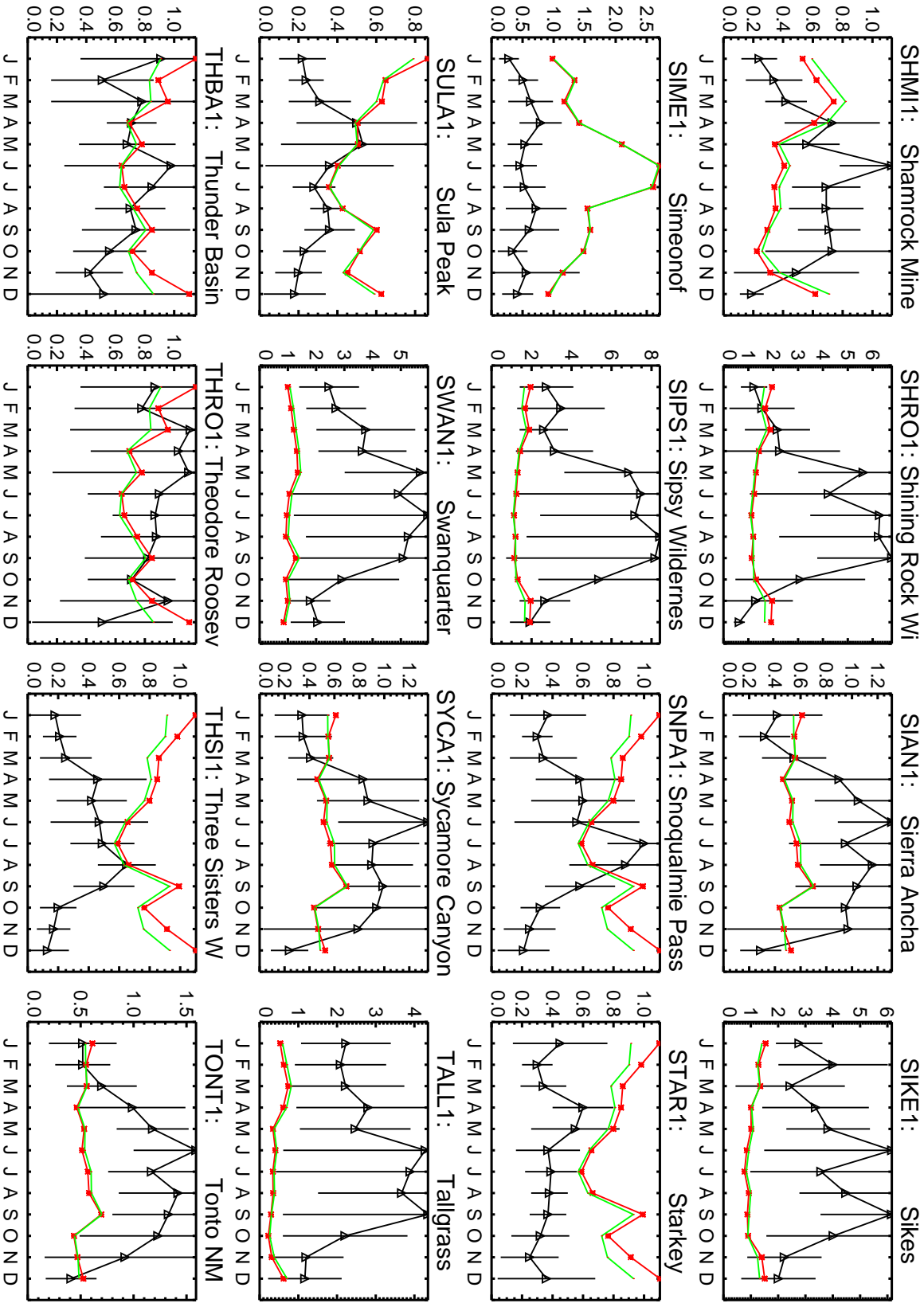
GEOS-Chem SO4f [$\mu\text{g m}^{-3}$]



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

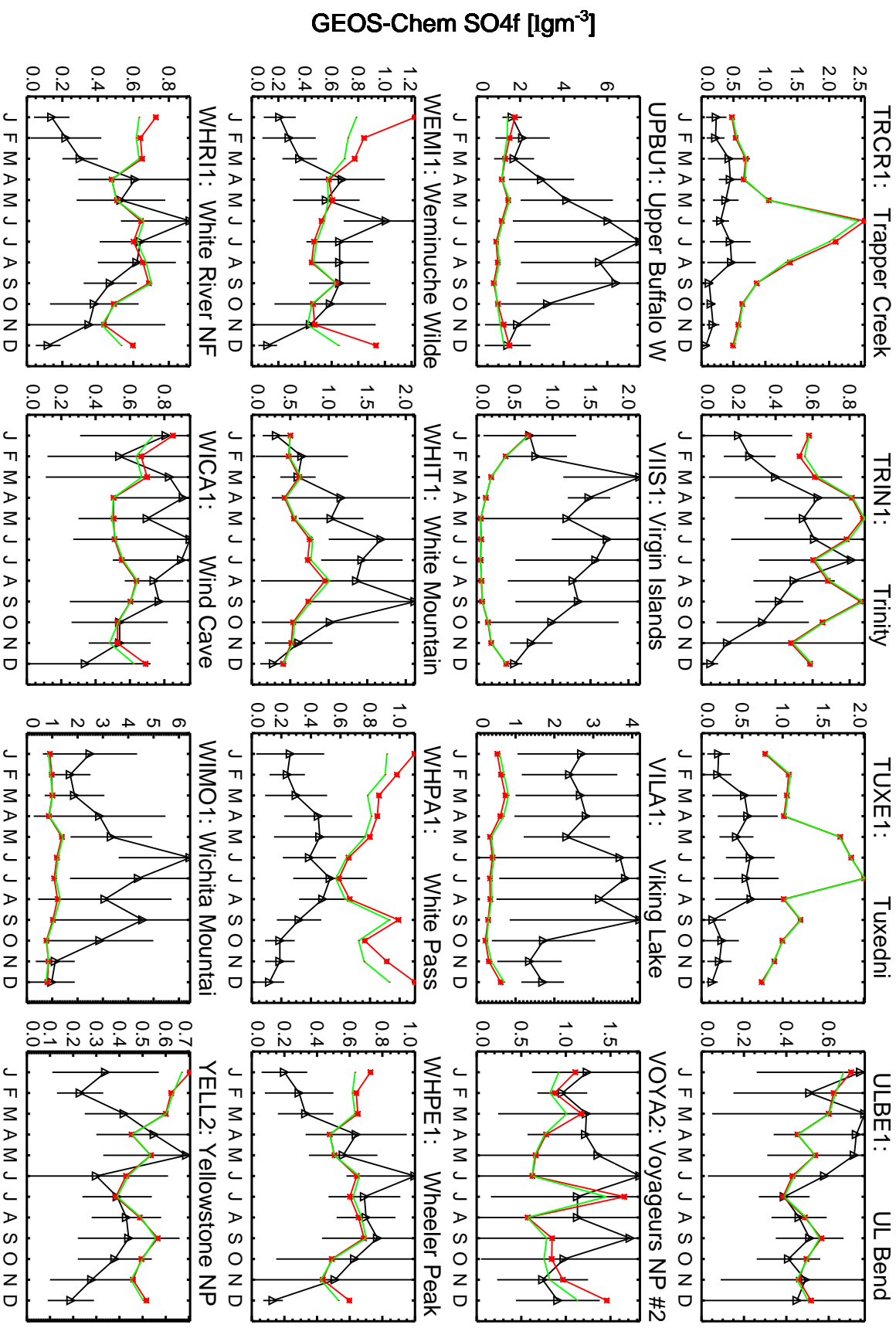
Red: GCC_14.0.0 (2019); Green: GCC_14.2.0 (2019)

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

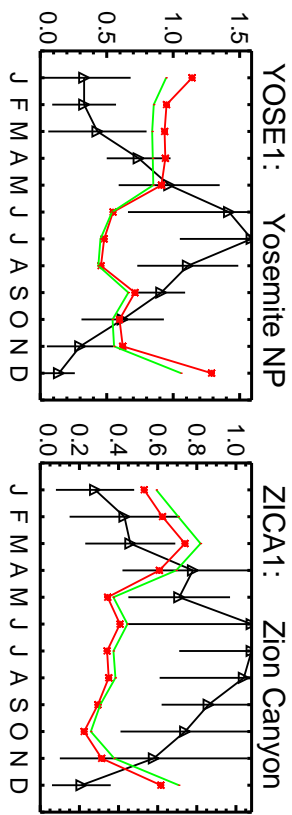


IMPROVE SO4f [$\mu\text{g m}^{-3}$]

Red: GCC_14.0.0 (2019); Green: GCC_14.2.0 (2019)



Red: GCC_14.0.0 (2019); Green: GCC_14.2.0 (2019)

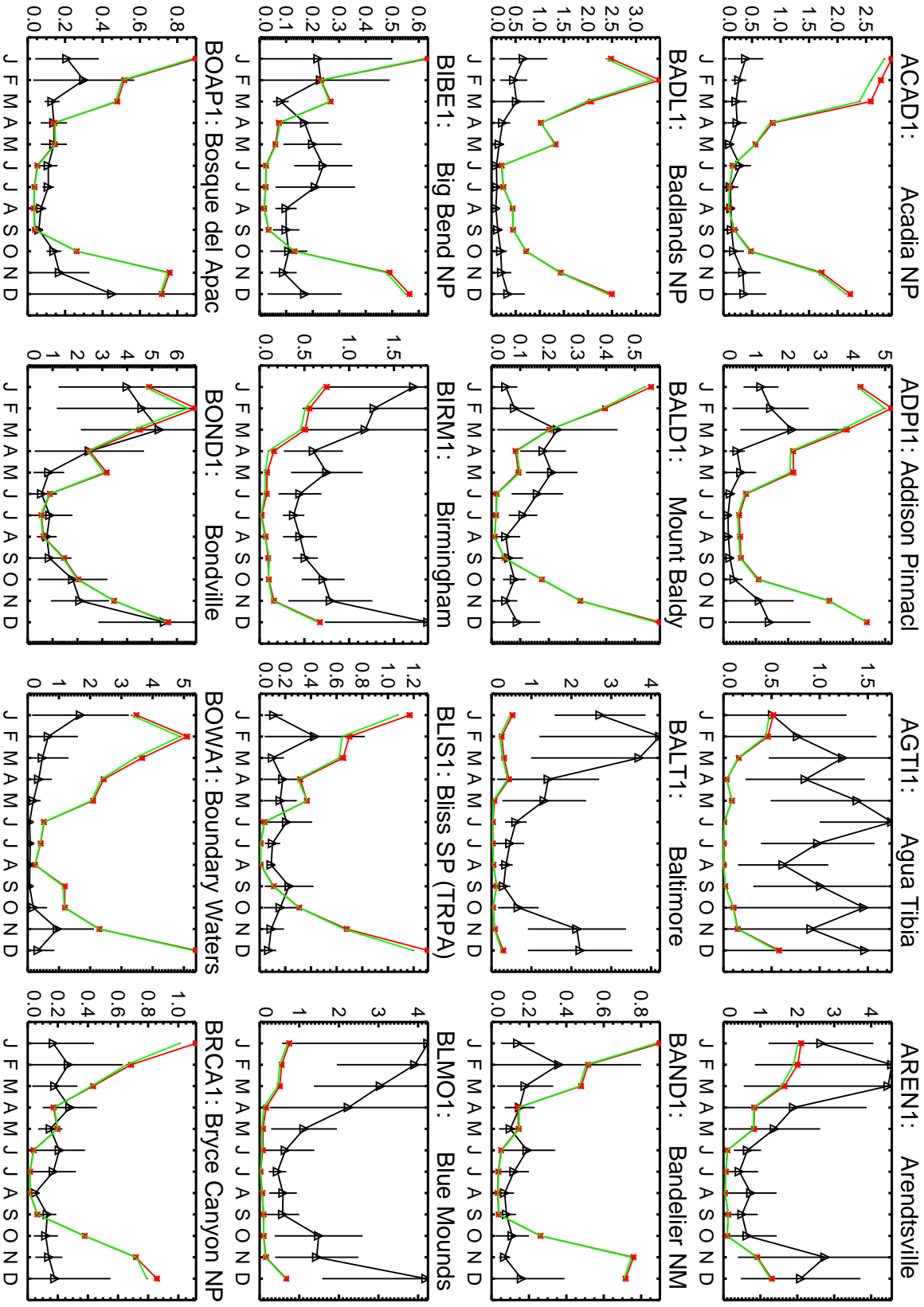


GEOS-Chem SO4f [$\mu\text{g m}^{-3}$]

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

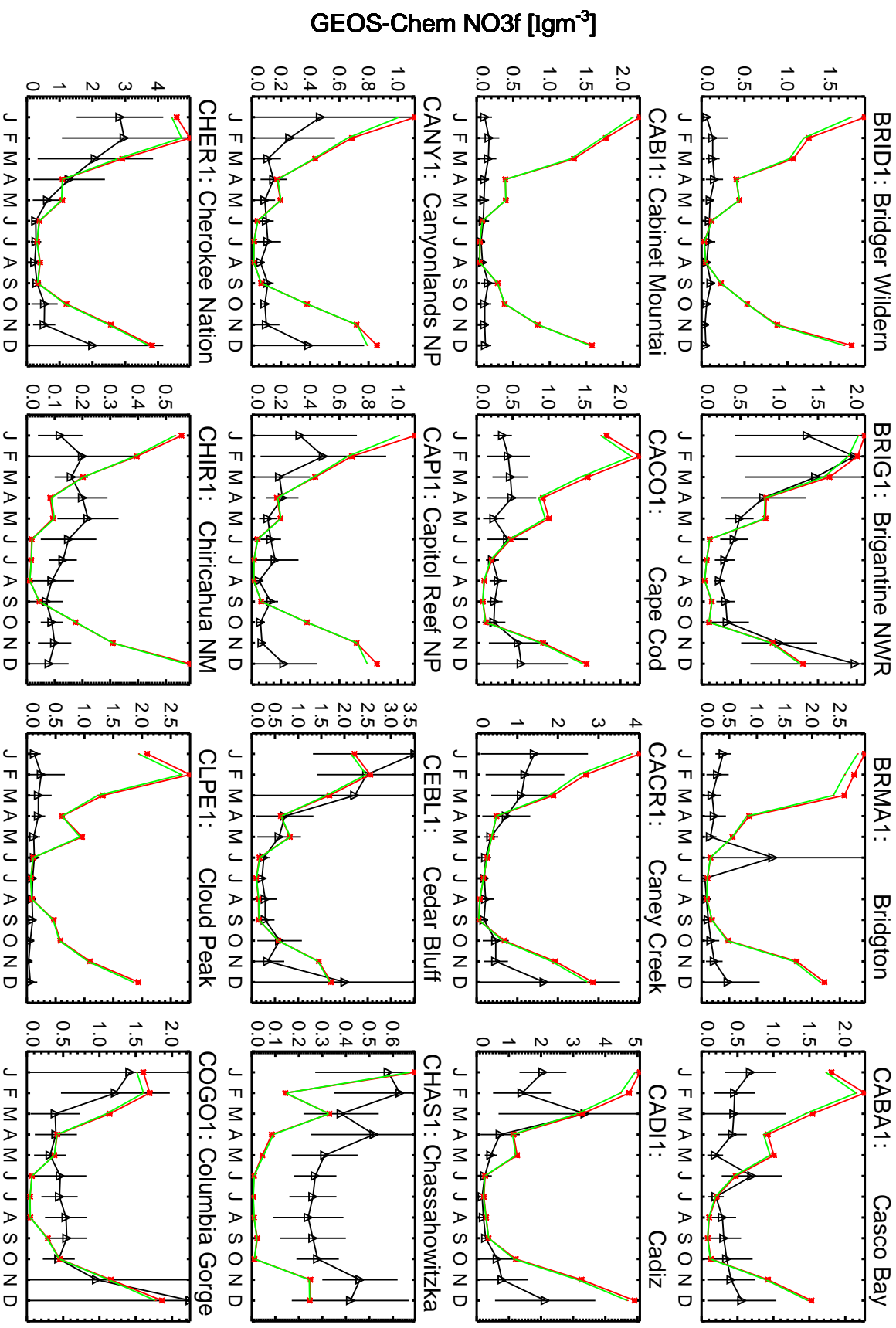
Red: GCC_14.0.0 (2019); Green: GCC_14.2.0 (2019)

GEOS-Chem NO₃f [Igm⁻³]



IMPROVE NO₃f [Igm⁻³]

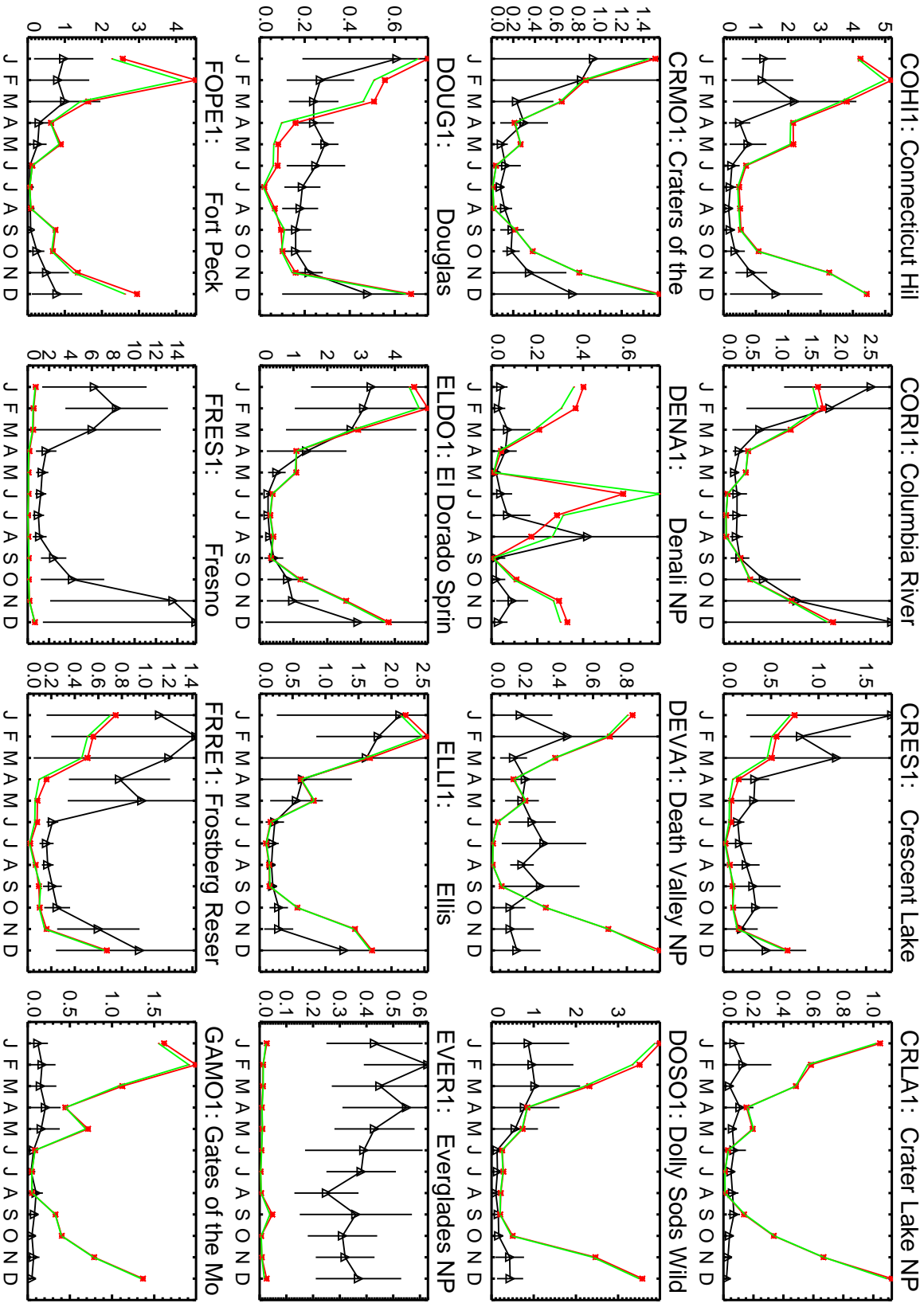
Red: GCC_14.0.0 (2019); Green: GCC_14.2.0 (2019)



IMPROVE NO₃f [Igm⁻³]

Red: GCC_14.0.0 (2019); Green: GCC_14.2.0 (2019)

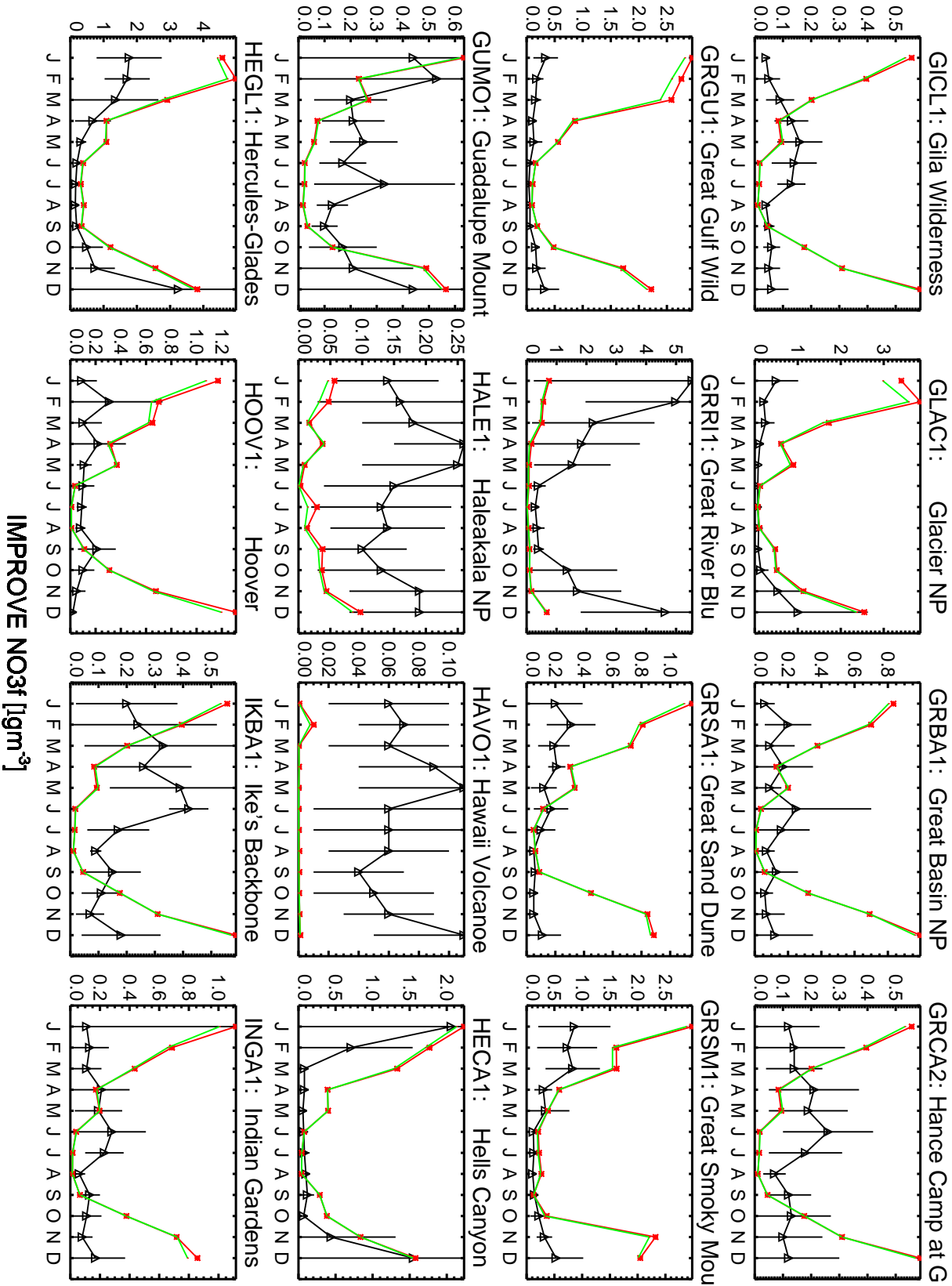
GEOS-Chem NO₃f [Igm⁻³]



IMPROVE NO₃f [Igm⁻³]

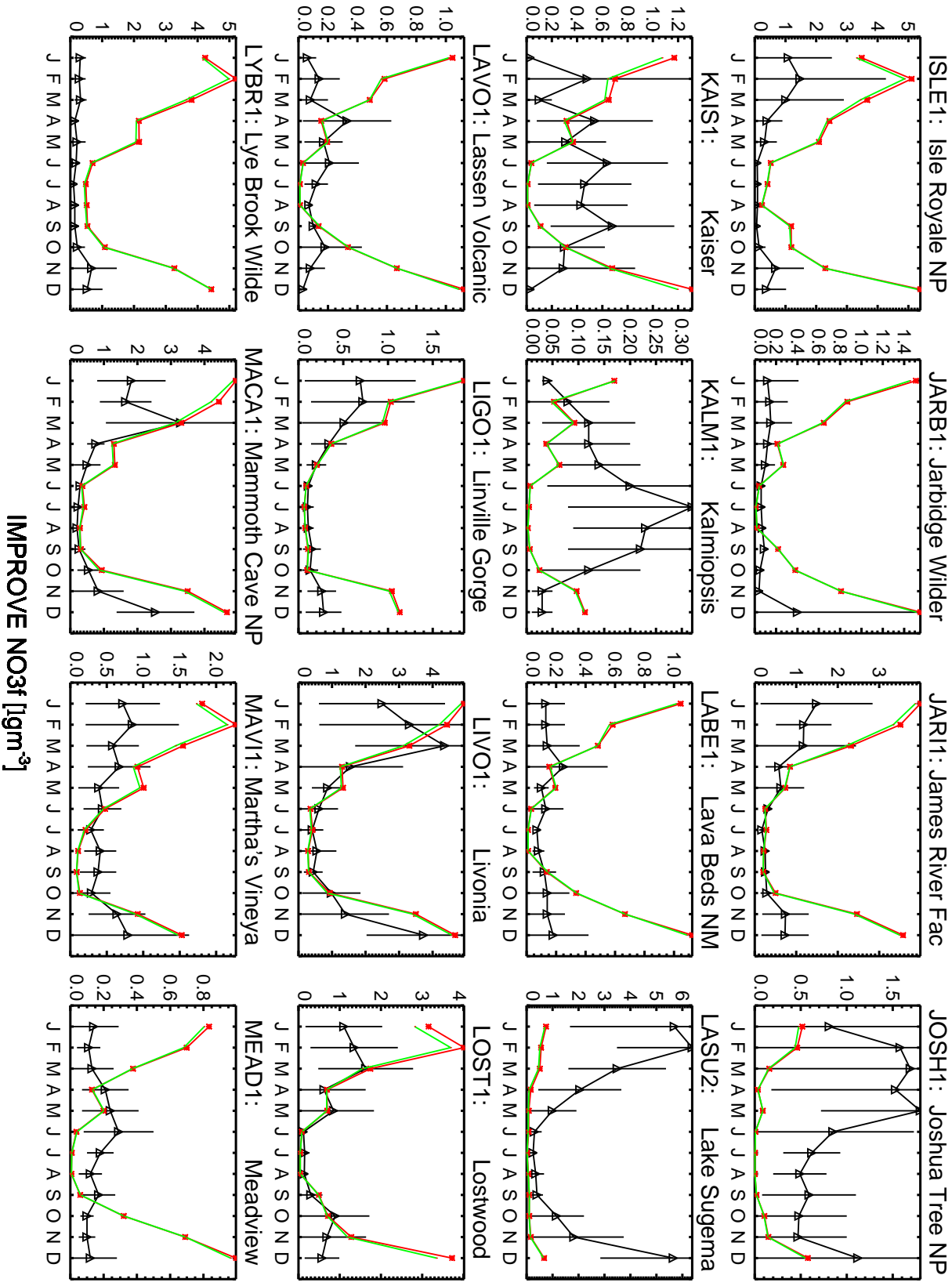
Red: GCC_14.0.0 (2019); Green: GCC_14.2.0 (2019)

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



Red: GCC_14.0.0 (2019); Green: GCC_14.2.0 (2019)

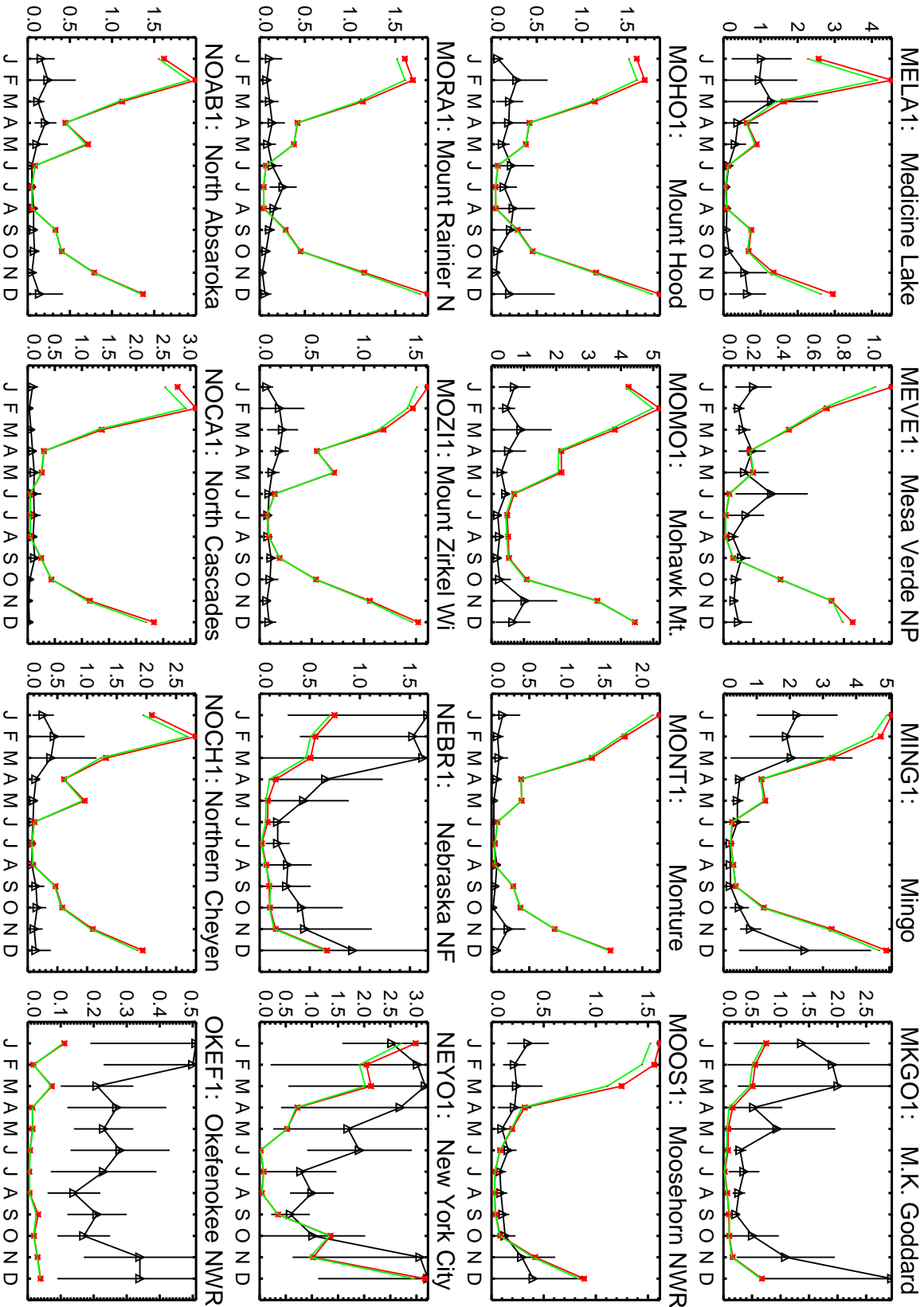
GEOS-Chem NO₃f [Igm⁻³]



IMPROVE NO₃f [Igm⁻³]

Red: GCC_14.0.0 (2019); Green: GCC_14.2.0 (2019)

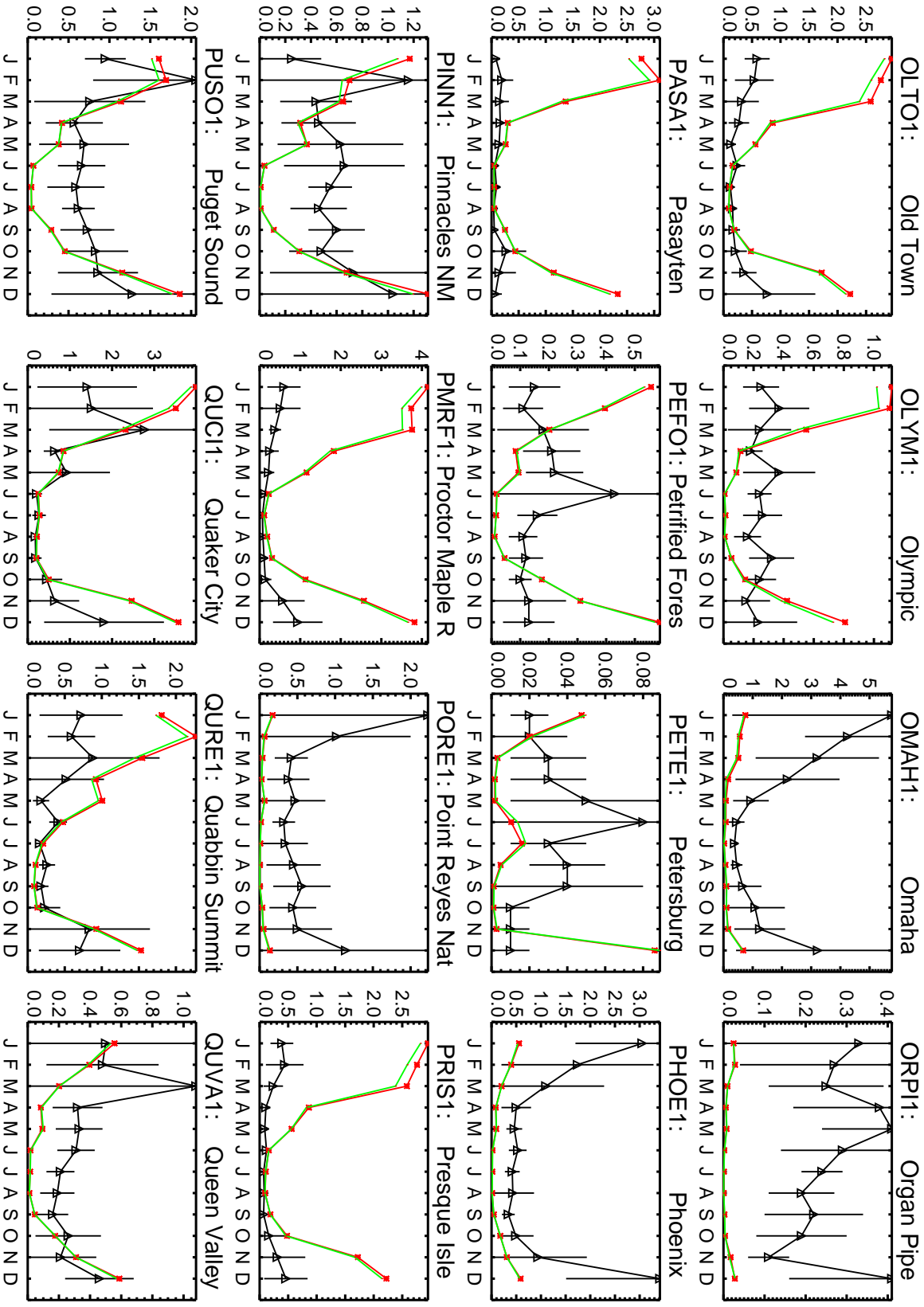
GEOS-Chem NO₃f [Igm⁻³]



IMPROVE NO₃f [Igm⁻³]

Red: GCC_14.0.0 (2019); Green: GCC_14.2.0 (2019)

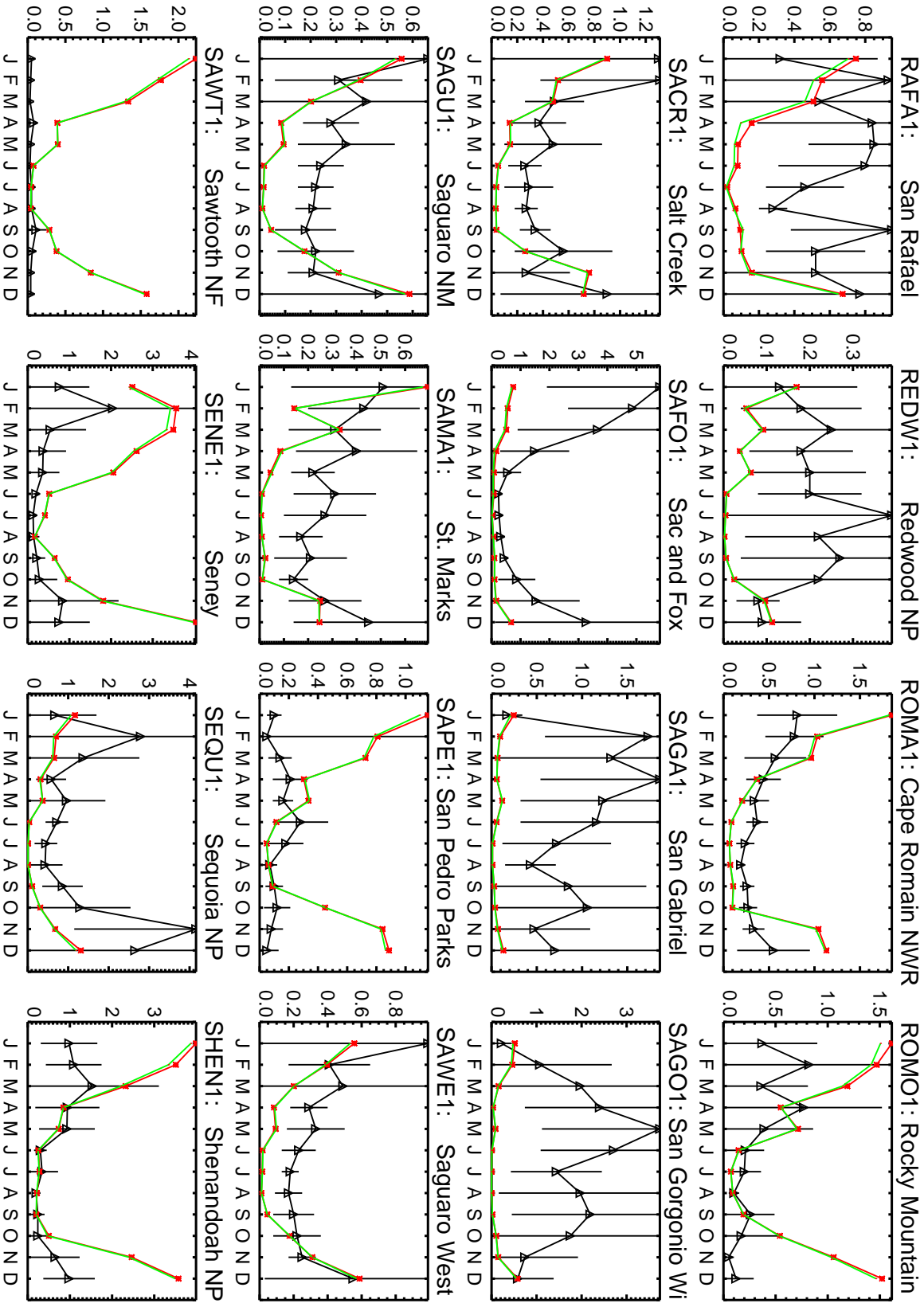
GEOS-Chem NO₃f [Igm⁻³]



IMPROVE NO₃f [Igm⁻³]

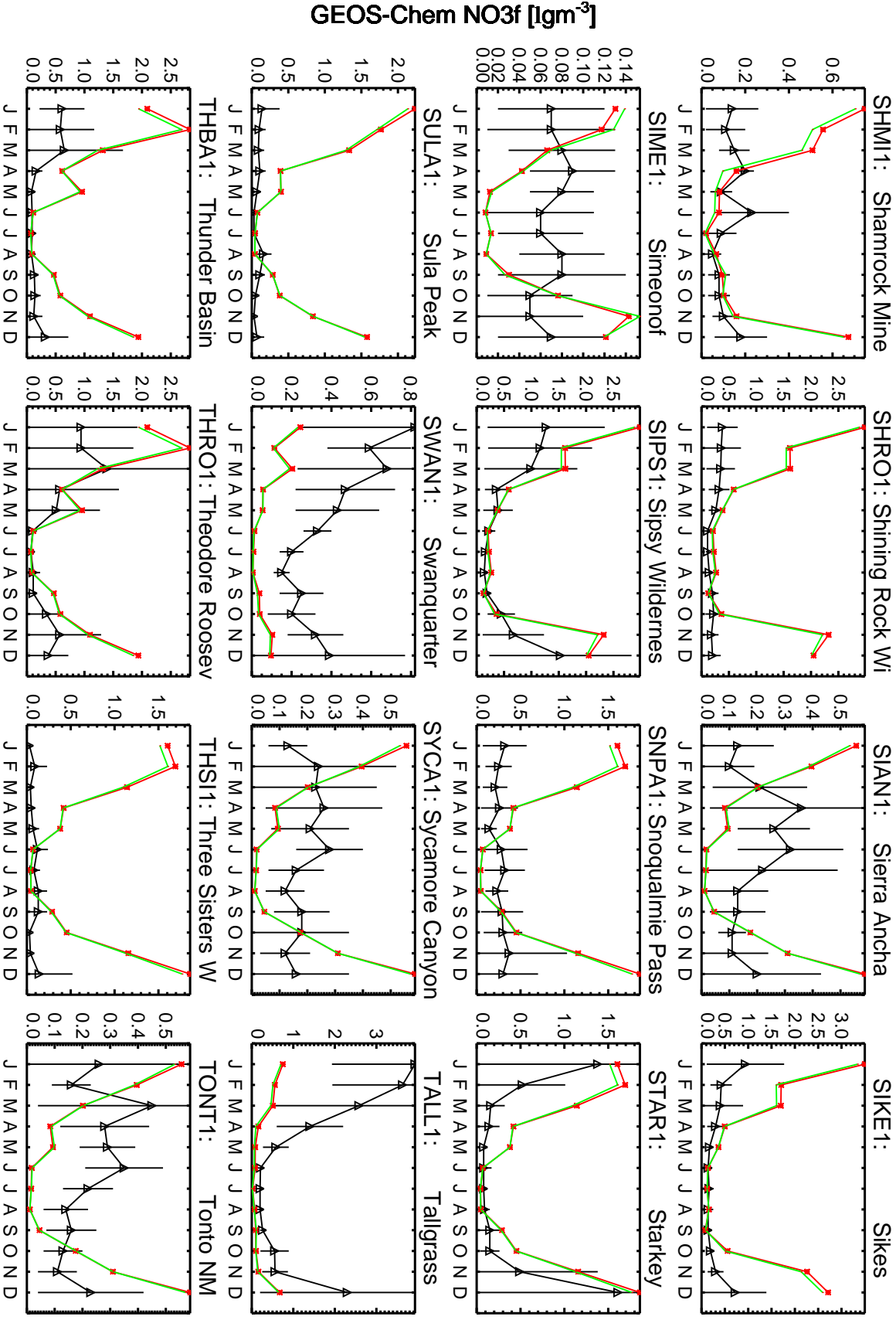
Red: GCC_14.0.0 (2019); Green: GCC_14.2.0 (2019)

GEOS-Chem NO₃f [Igm⁻³]



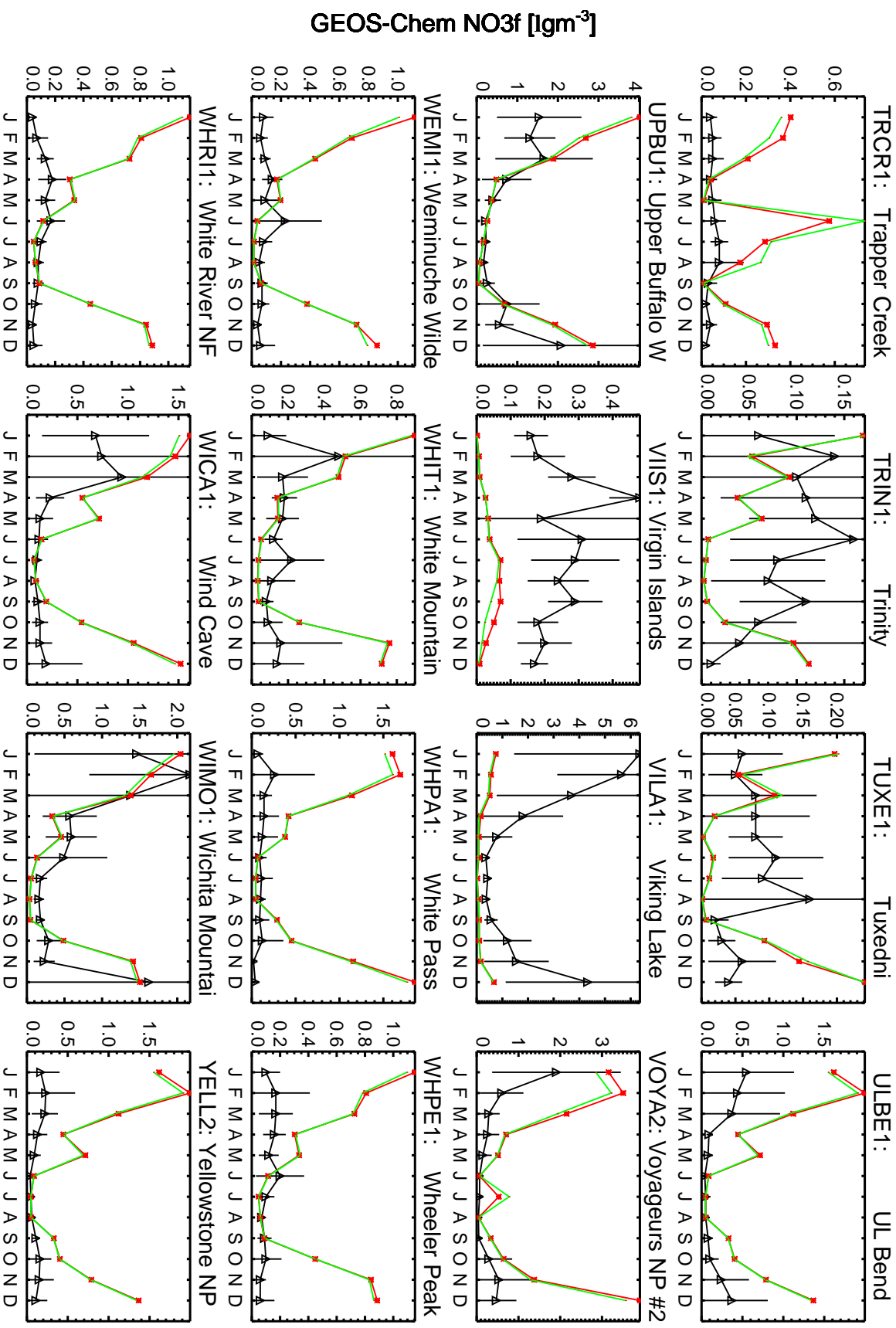
IMPROVE NO₃f [Igm⁻³]

Red: GCC_14.0.0 (2019); Green: GCC_14.2.0 (2019)



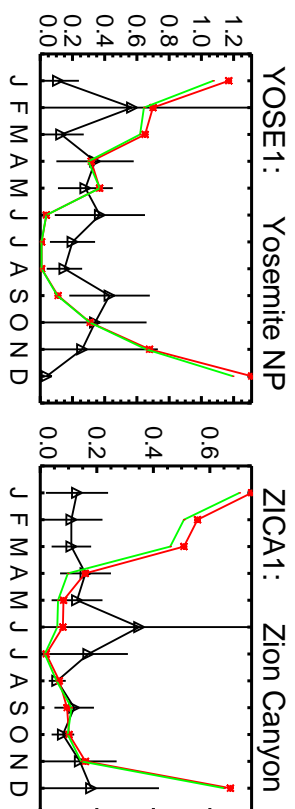
IMPROVE NO₃f [Igm⁻³]

Red: GCC_14.0.0 (2019); Green: GCC_14.2.0 (2019)



IMPROVE NO₃f [Igm⁻³]

Red: GCC_14.0.0 (2019); Green: GCC_14.2.0 (2019)

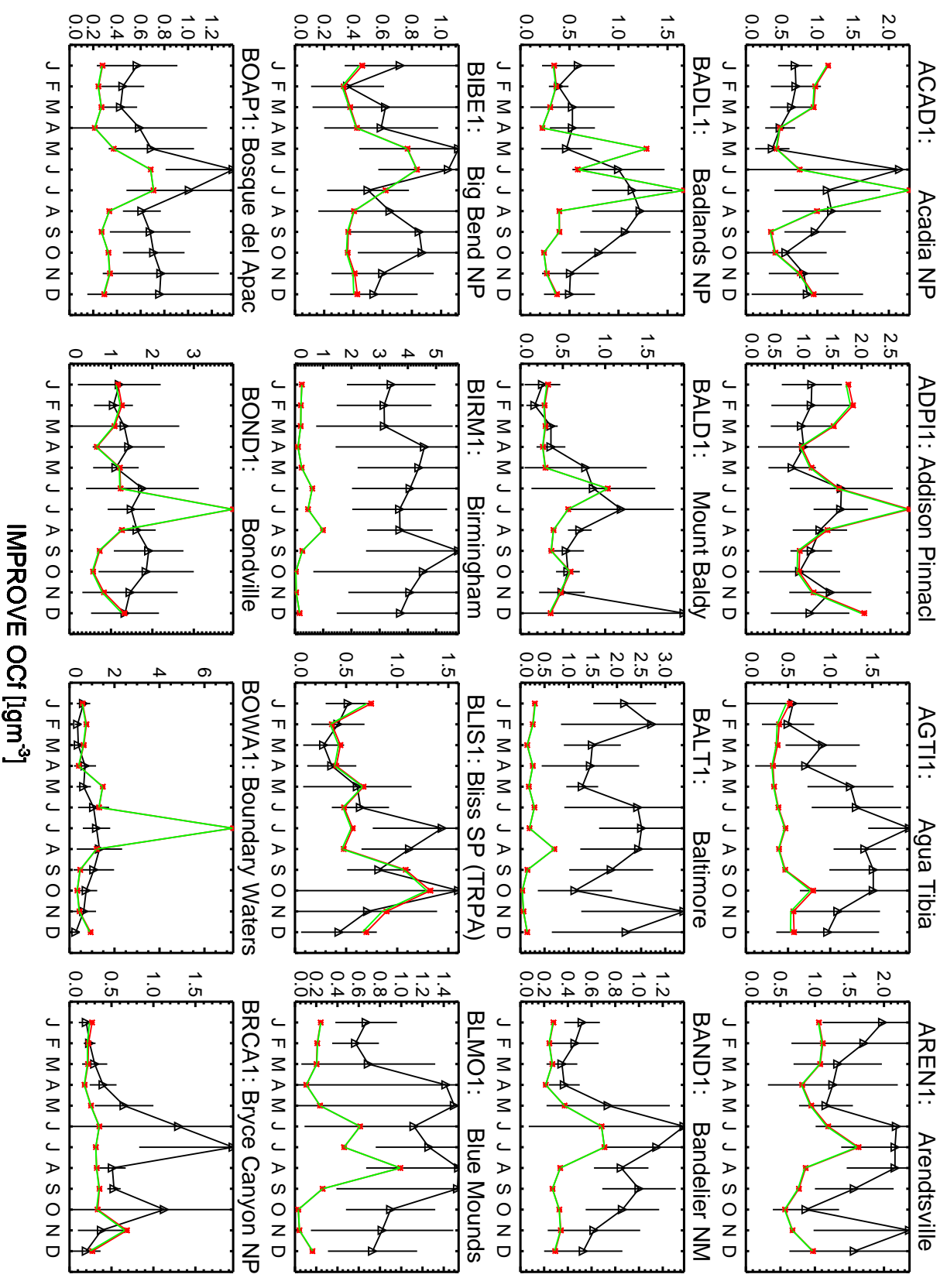


GEOS-Chem NO₃f [$1\mu\text{m}^{-3}$]

IMPROVE NO₃f [$1\mu\text{m}^{-3}$]

Red: GCC_14.0.0 (2019); Green: GCC_14.2.0 (2019)

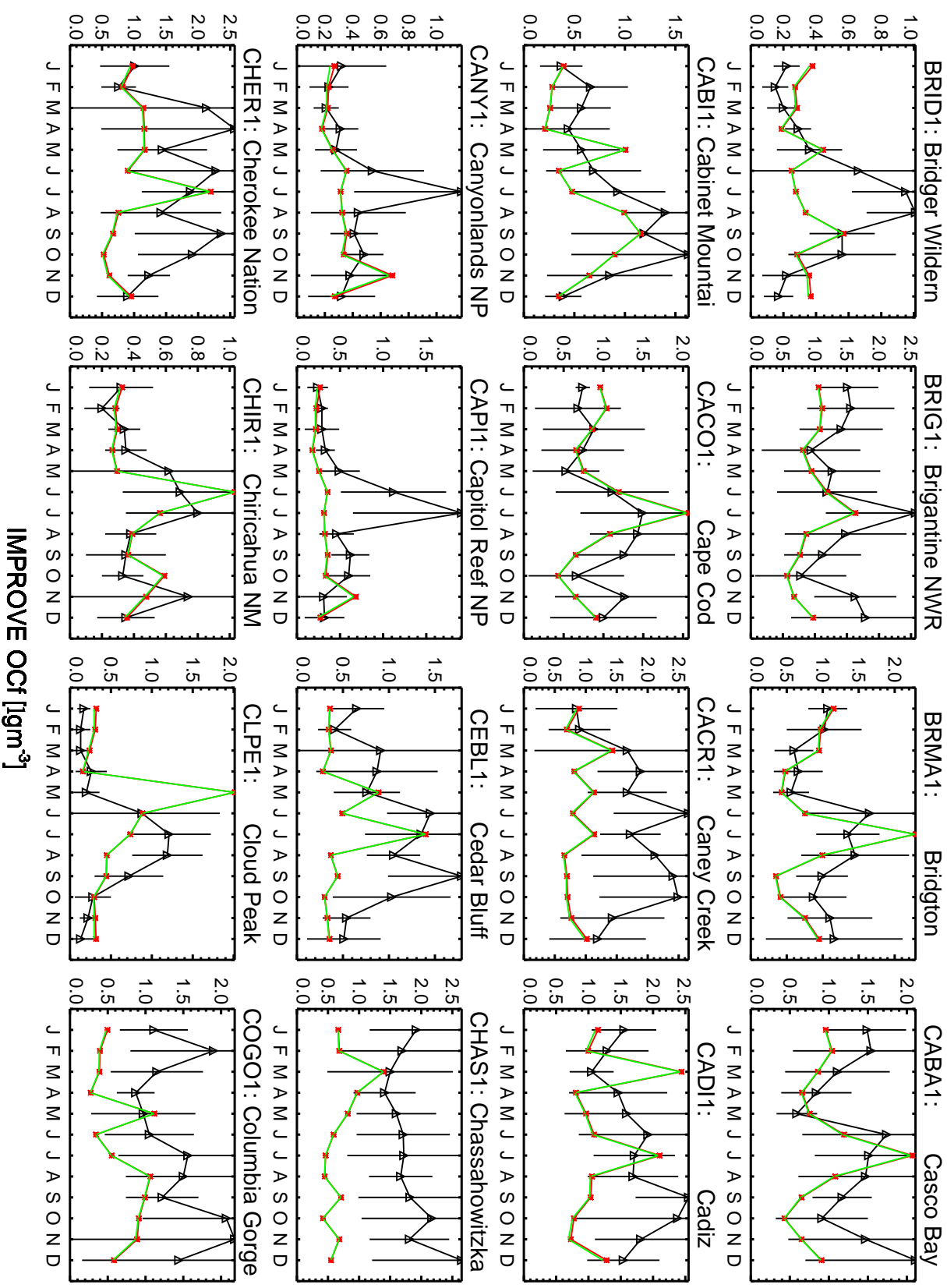
GEOS-Chem OCf (w/o SOA) [$\mu\text{g m}^{-3}$]



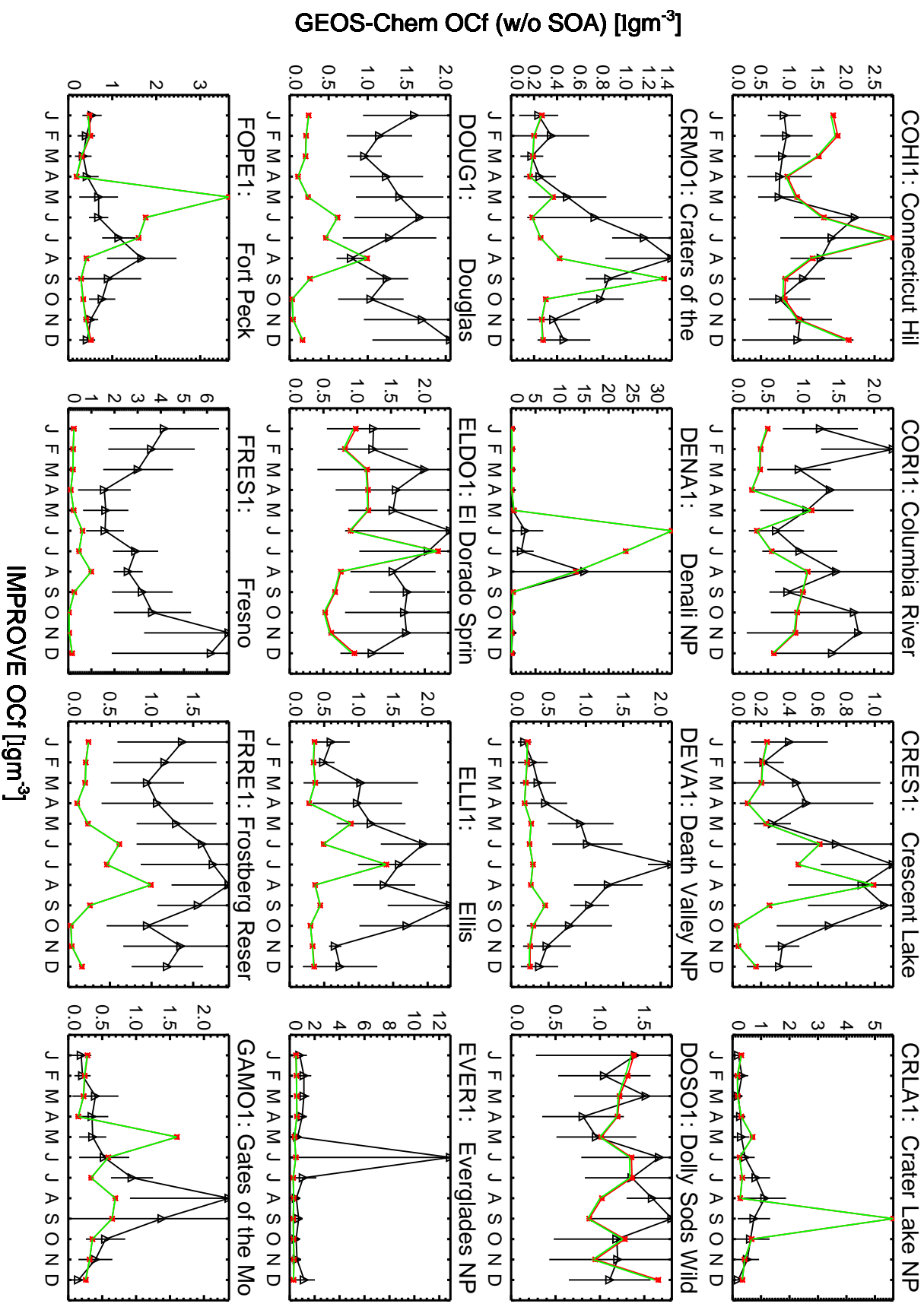
IMPROVE OCf [$\mu\text{g m}^{-3}$]

Red: GCC_14.0.0 (2019); Green: GCC_14.2.0 (2019)

GEOS-Chem OCf (w/o SOA) [$\mu\text{g m}^{-3}$]

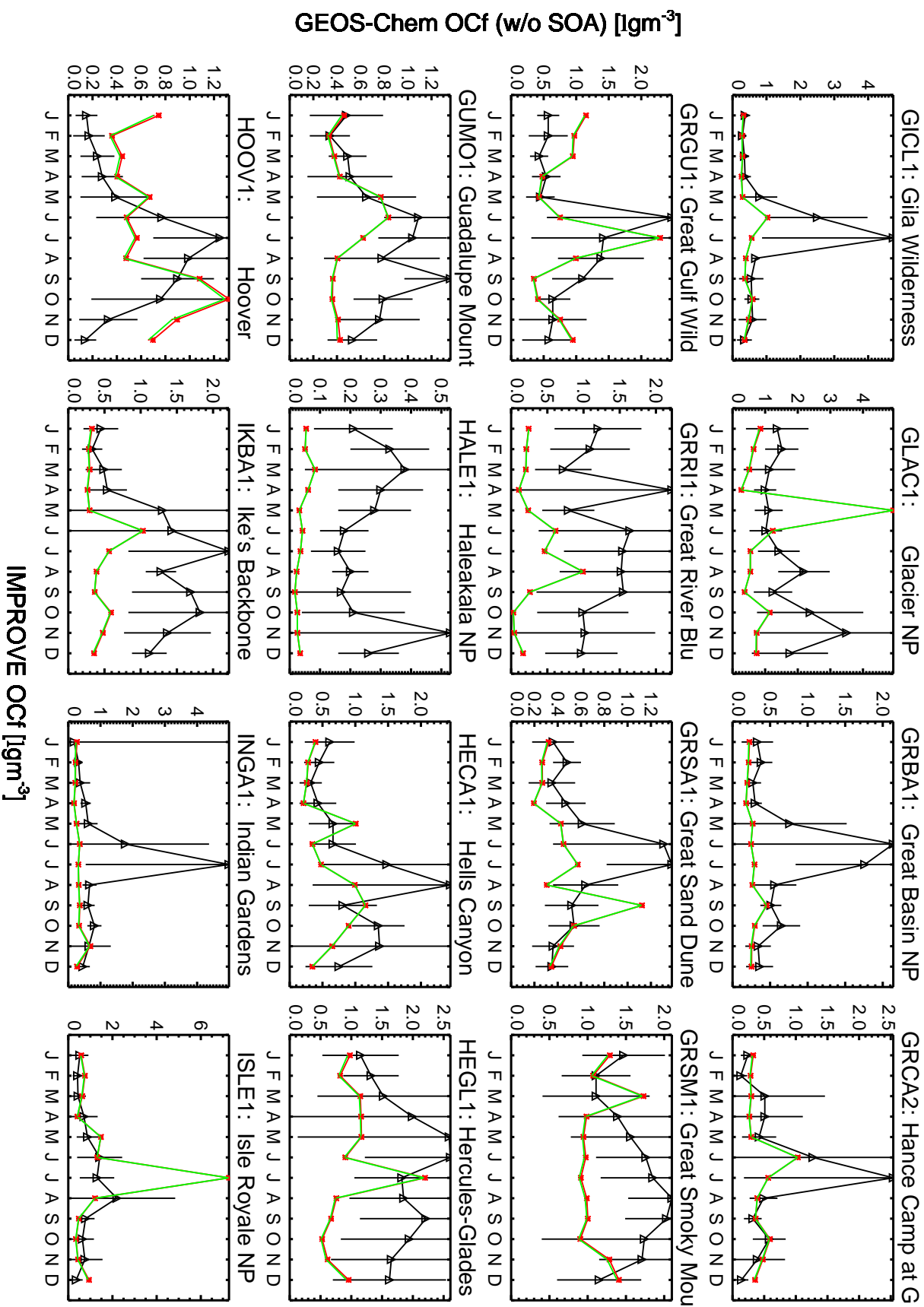


Red: GCC_14.0.0 (2019); Green: GCC_14.2.0 (2019)



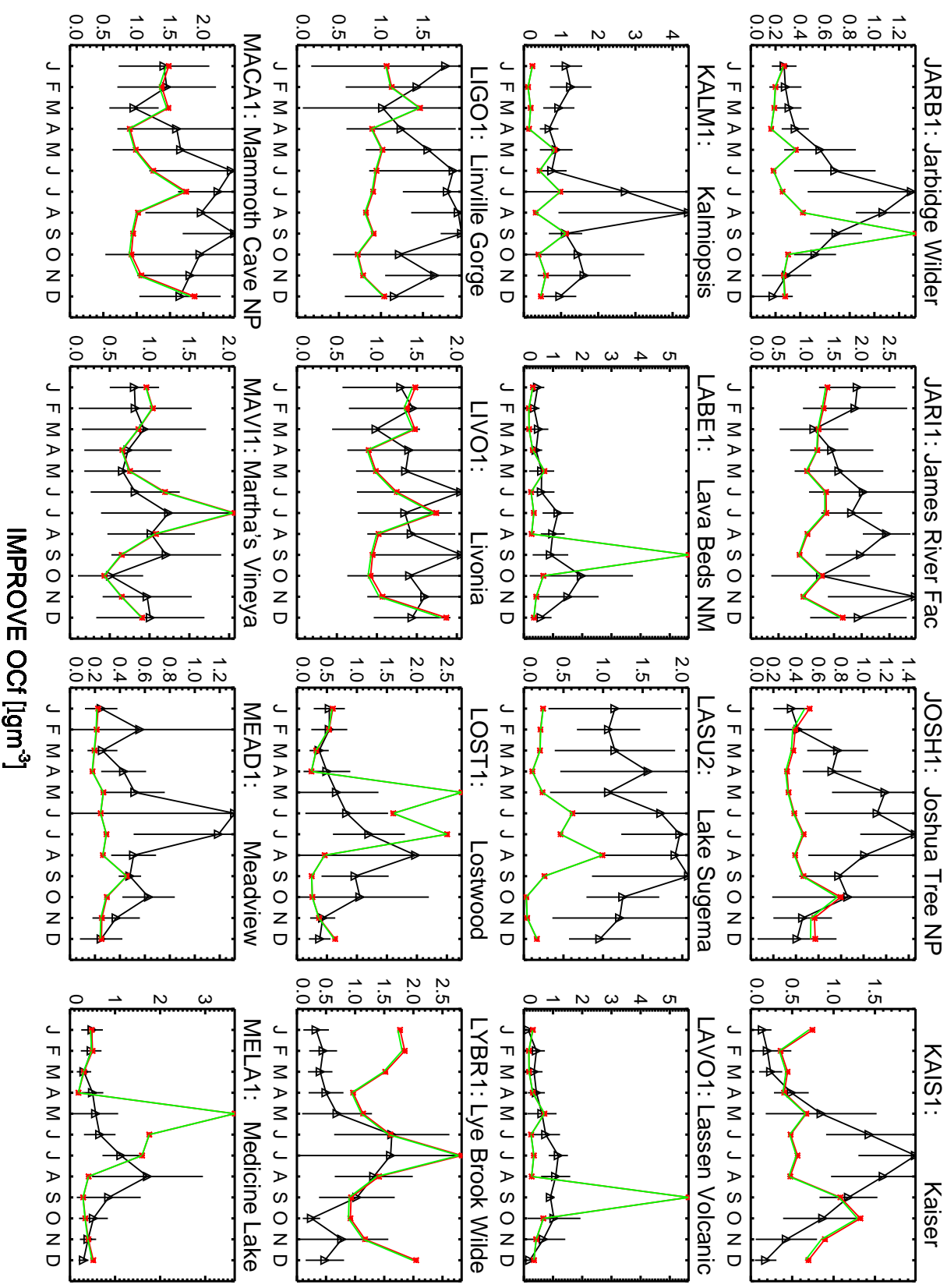
IMPROVE OCf [$\mu\text{g m}^{-3}$]

Red: GCC_14.0.0 (2019); Green: GCC_14.2.0 (2019)



Red: GCC_14.0.0 (2019); Green: GCC_14.2.0 (2019)

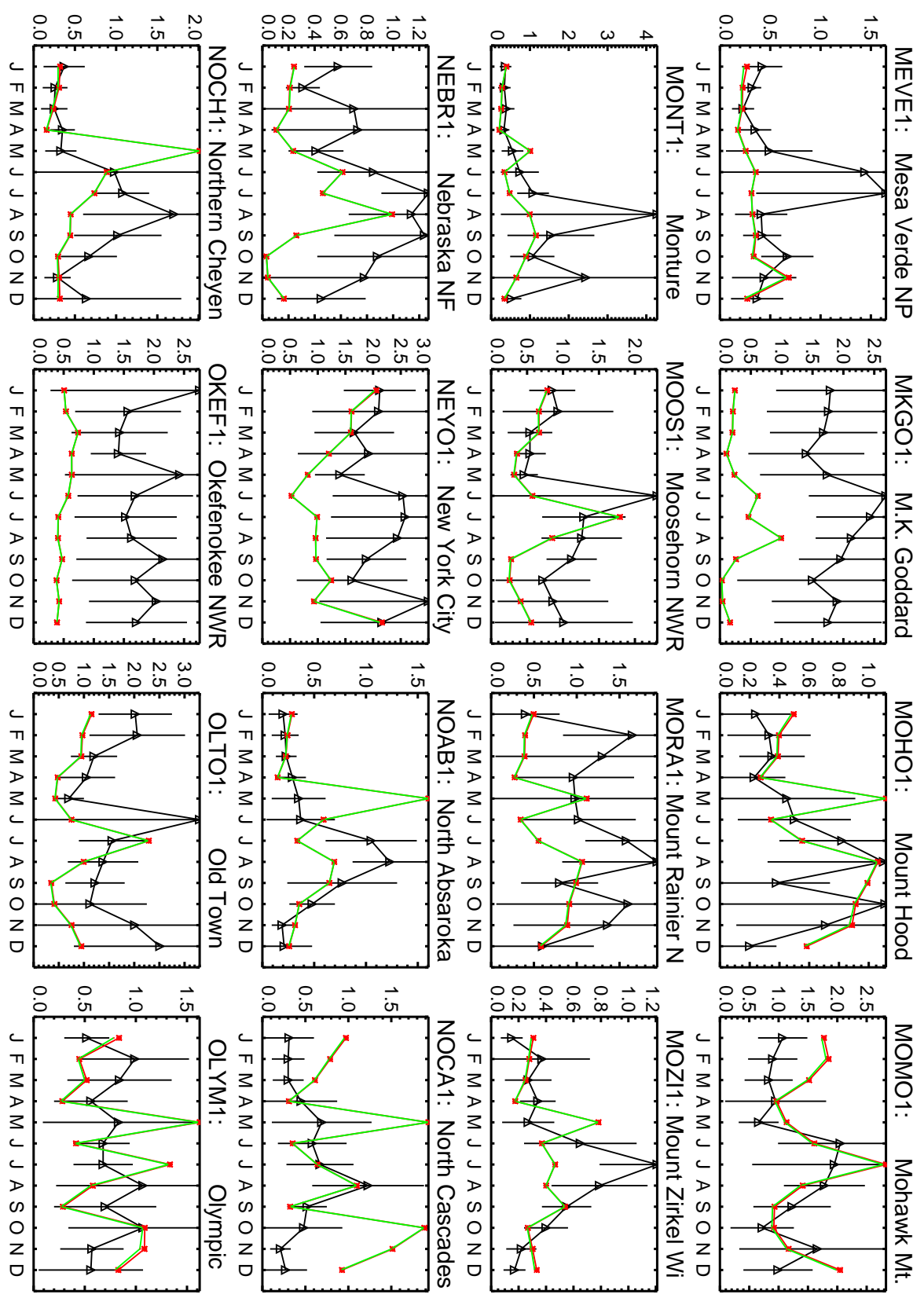
GEOS-Chem OCf (w/o SOA) [$\mu\text{g m}^{-3}$]



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

Red: GCC_14.0.0 (2019); Green: GCC_14.2.0 (2019)

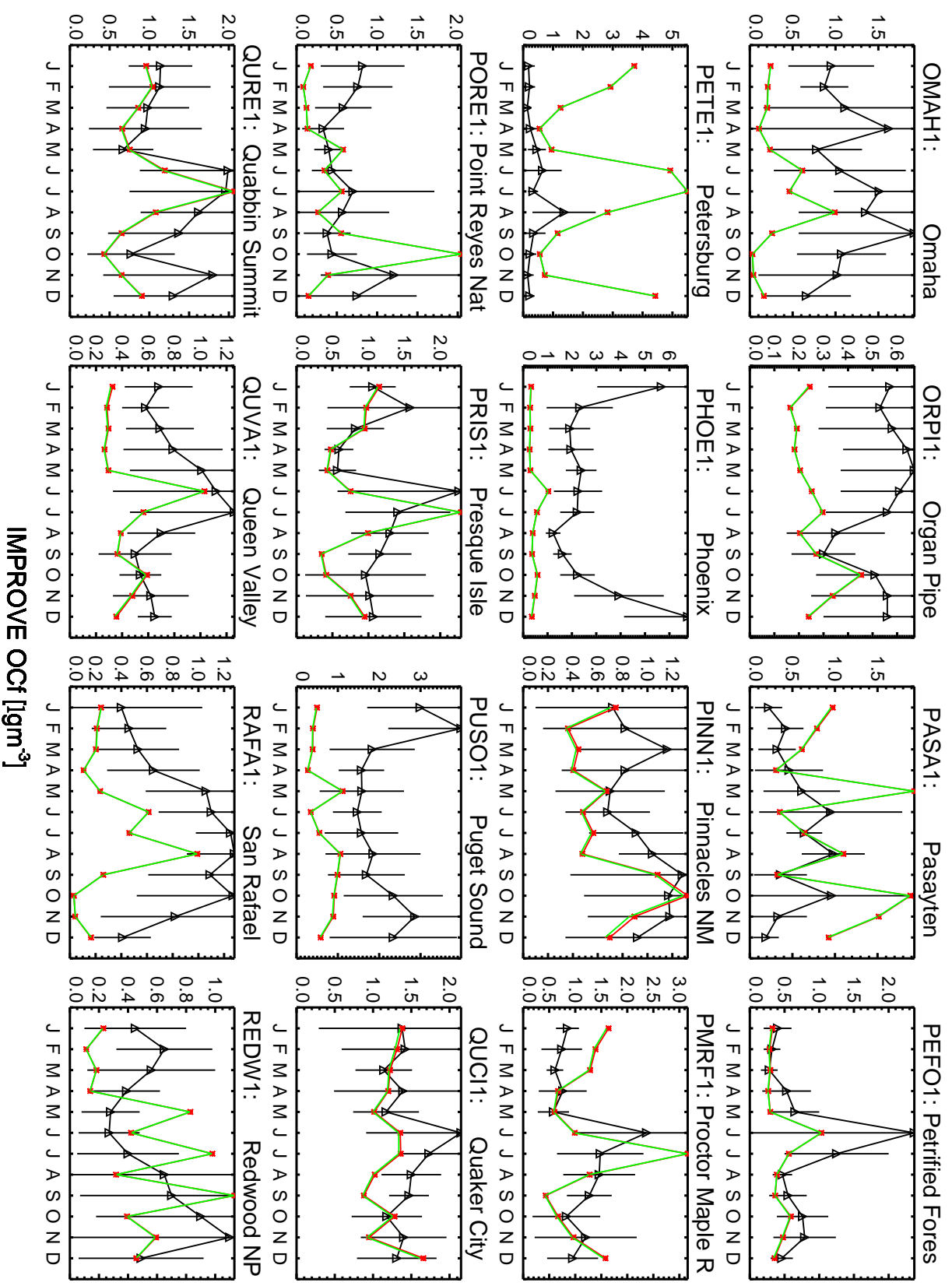
GEOS-Chem OCf (w/o SOA) [$\mu\text{g m}^{-3}$]



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

Red: GCC_14.0.0 (2019); Green: GCC_14.2.0 (2019)

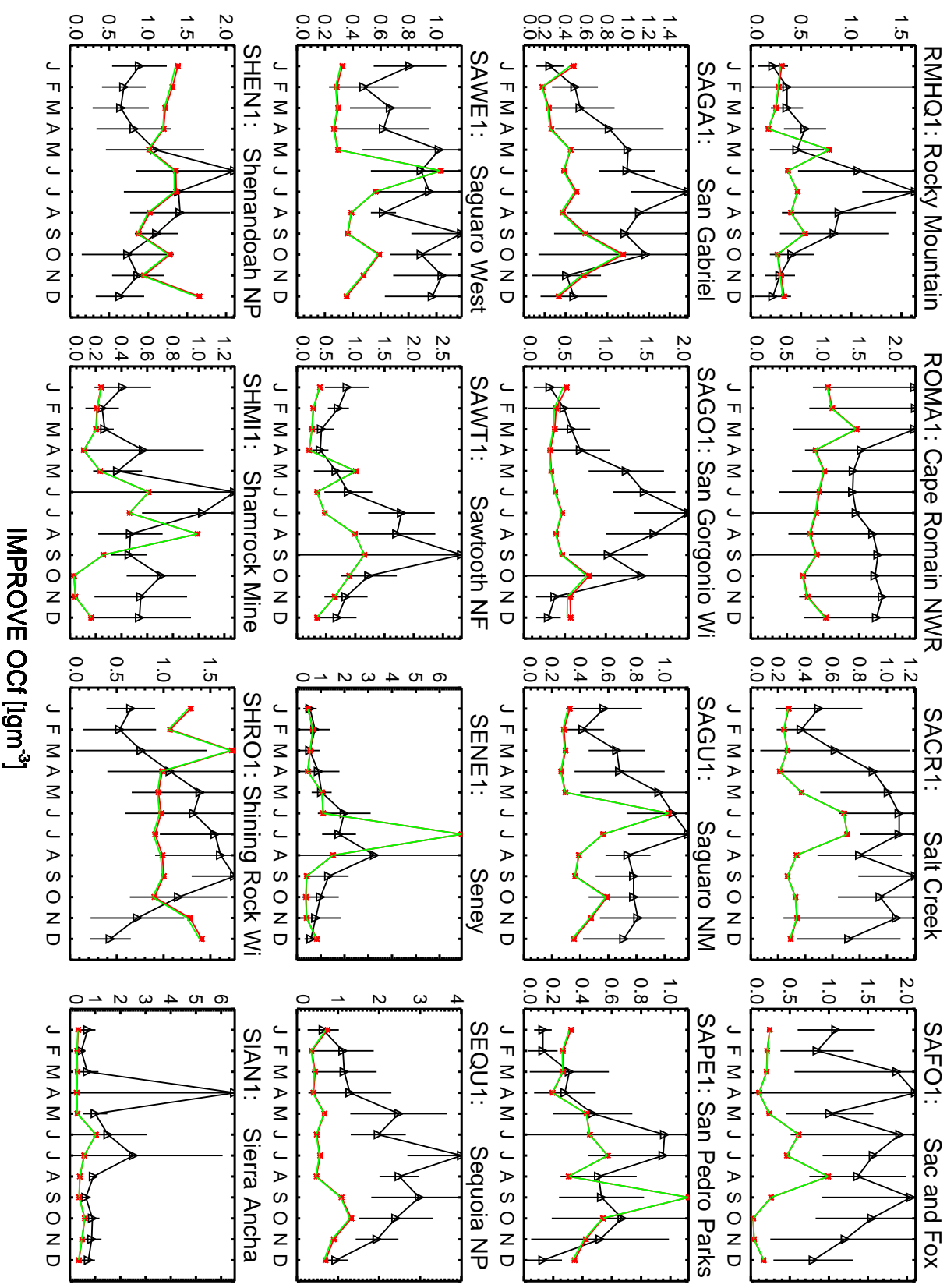
GEOS-Chem OCf (w/o SOA) [$\mu\text{g m}^{-3}$]



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

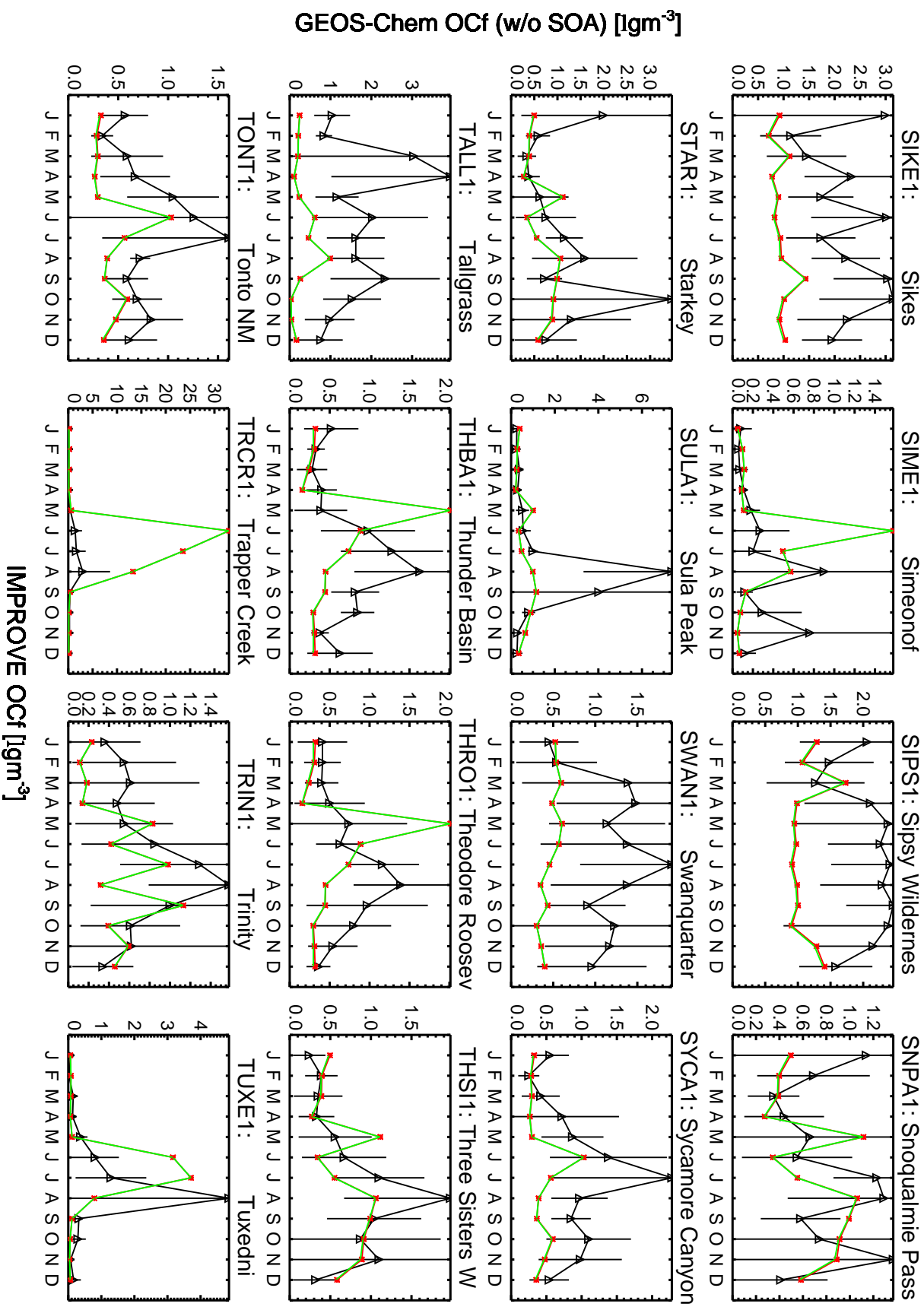
Red: GCC_14.0.0 (2019); Green: GCC_14.2.0 (2019)

GEOS-Chem OCf (w/o SOA) [$\mu\text{g m}^{-3}$]



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

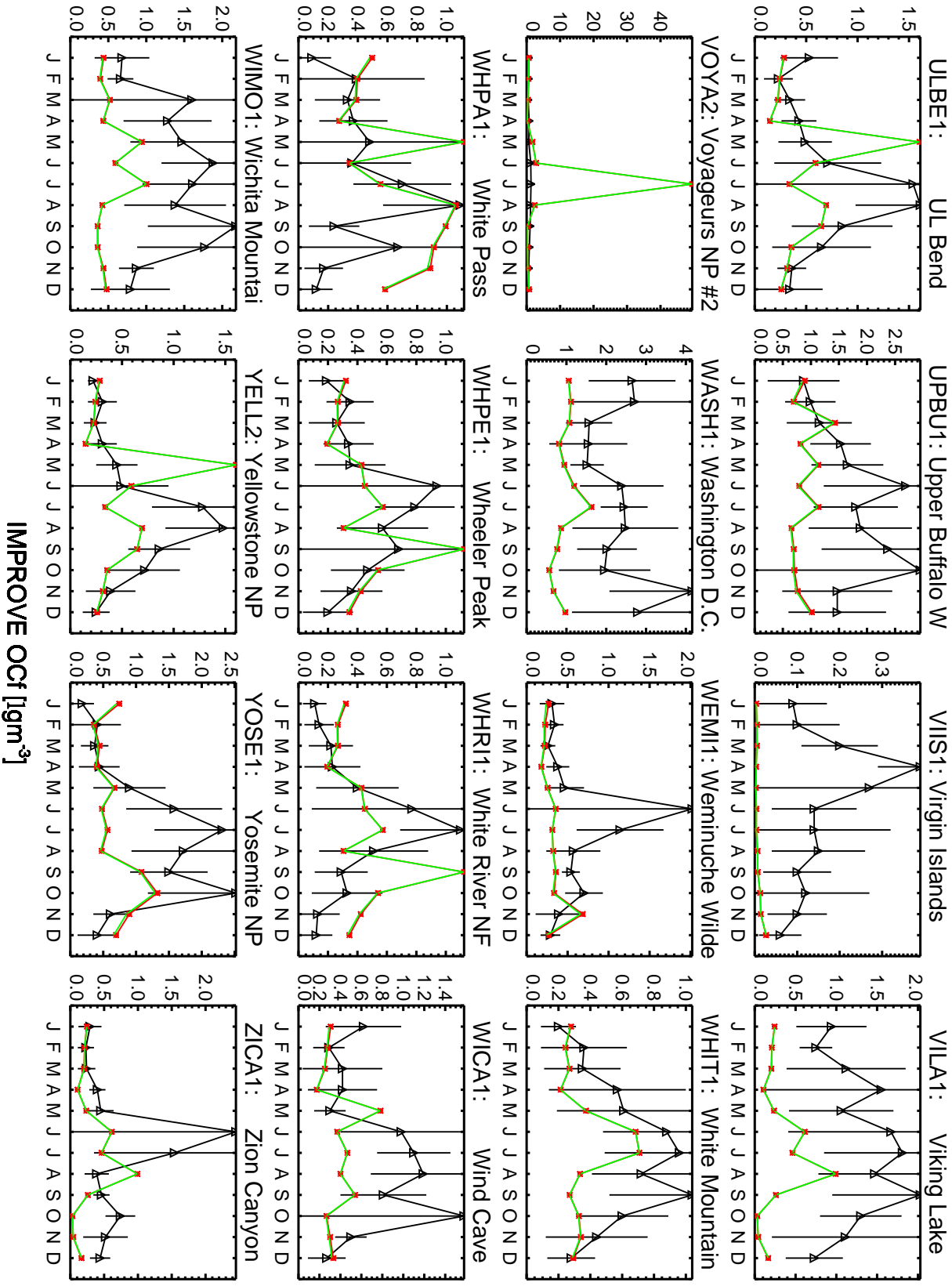
Red: GCC_14.0.0 (2019); Green: GCC_14.2.0 (2019)



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

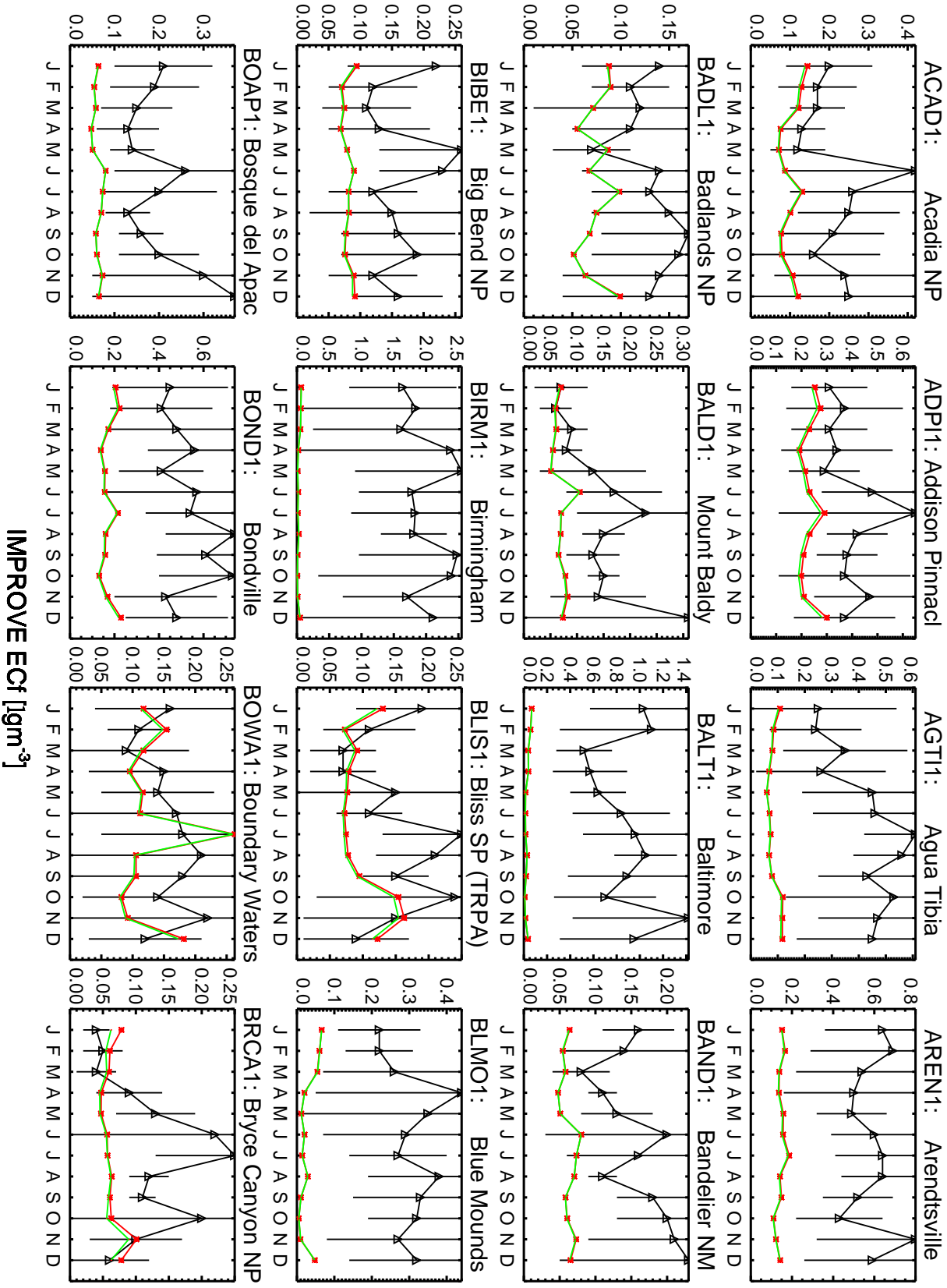
Red: GCC_14.0.0 (2019); Green: GCC_14.2.0 (2019)

GEOS-Chem OCf (w/o SOA) [$\mu\text{g m}^{-3}$]



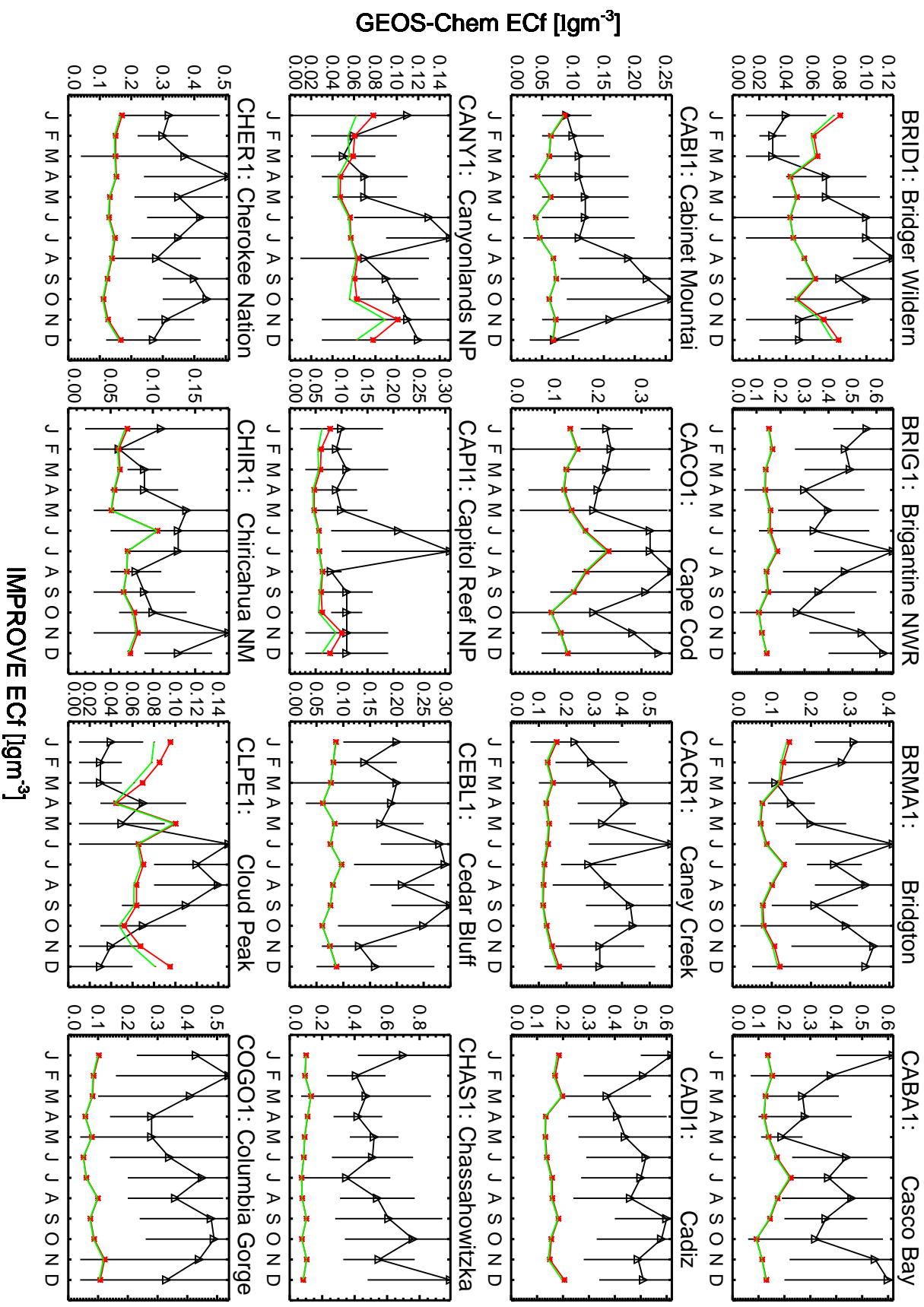
Red: GCC_14.0.0 (2019); Green: GCC_14.2.0 (2019)

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



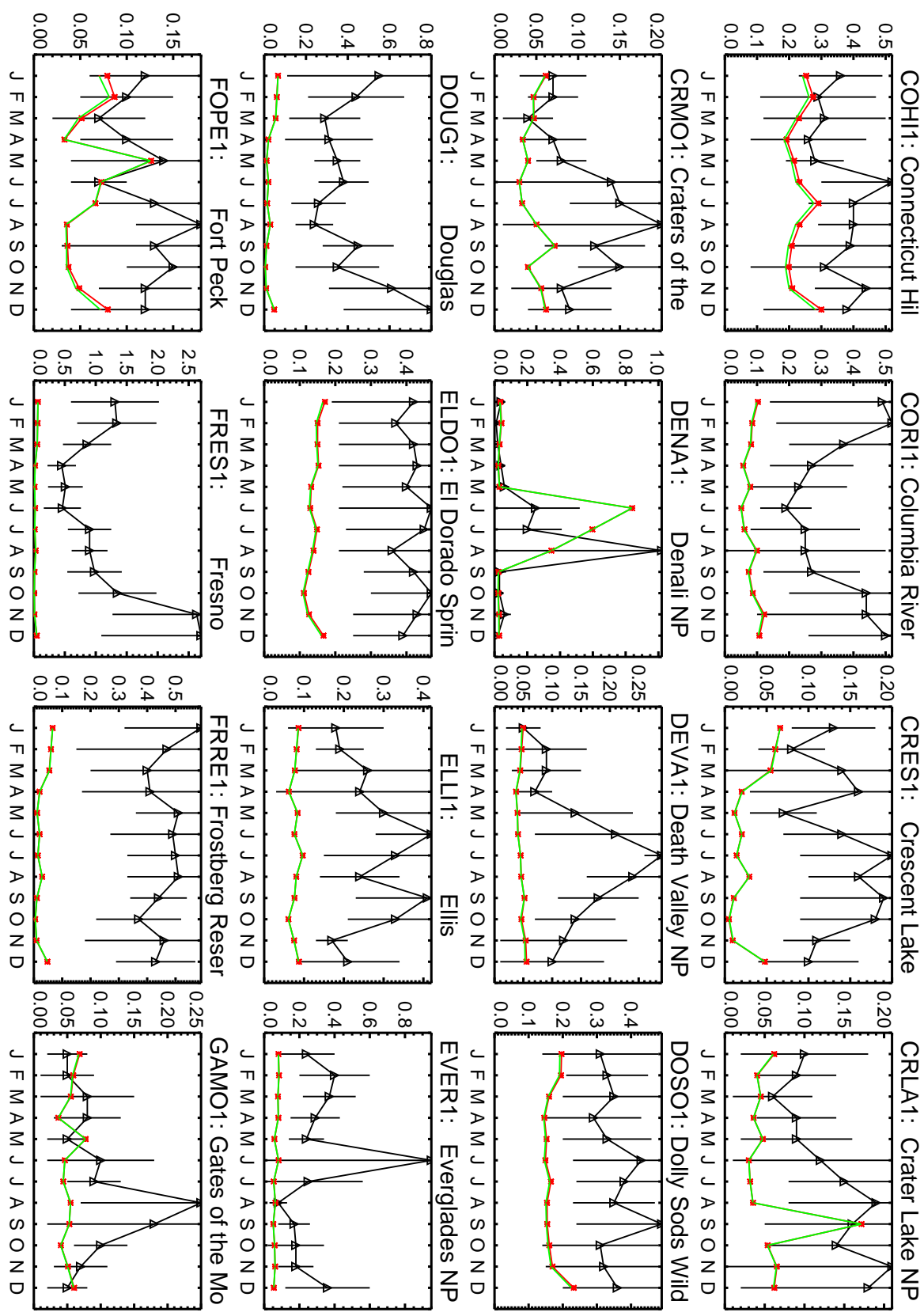
IMPROVE ECf [$\mu\text{g m}^{-3}$]

Red: GCC_14.0.0 (2019); Green: GCC_14.2.0 (2019)



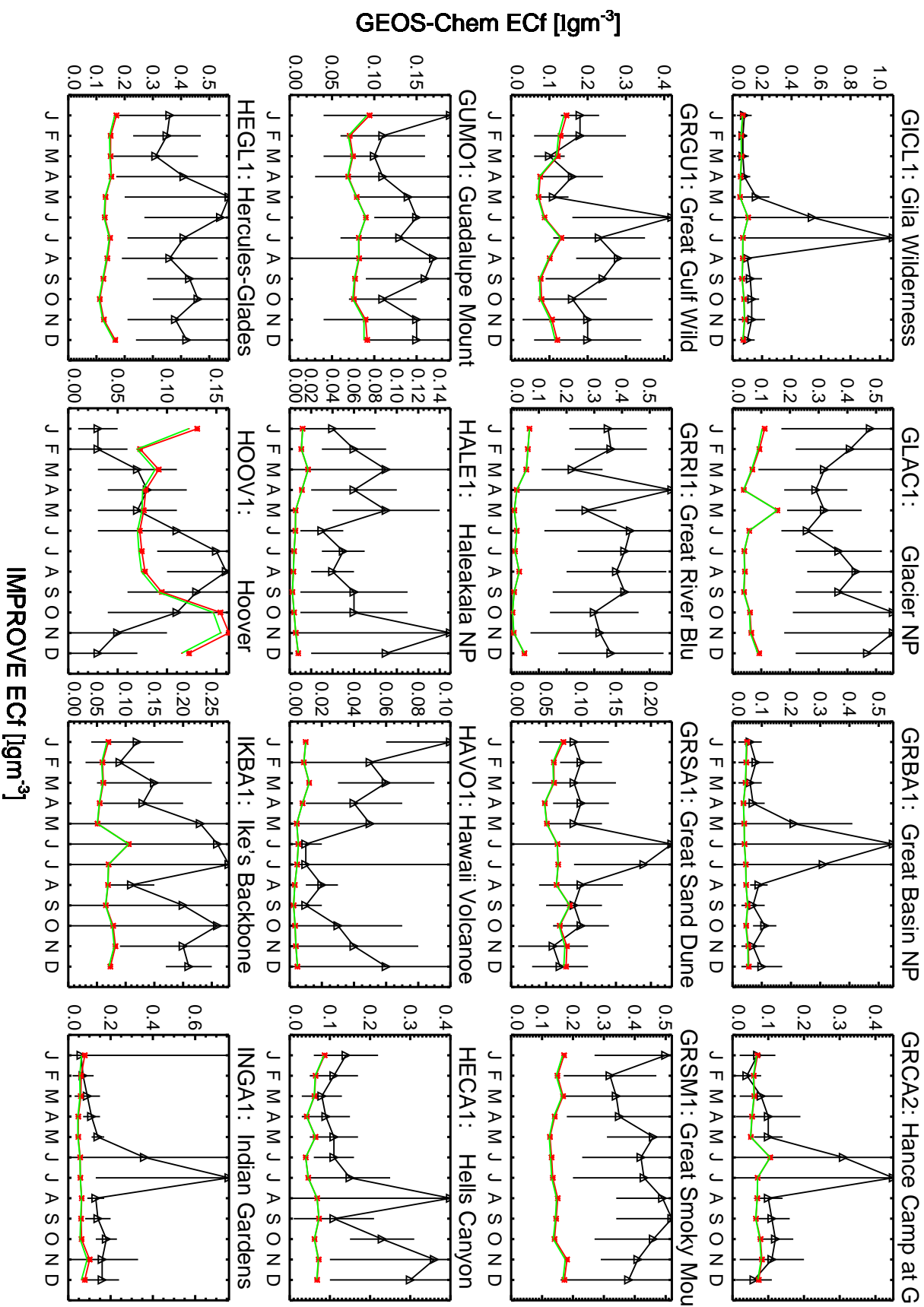
Red: GCC_14.0.0 (2019); Green: GCC_14.2.0 (2019)

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

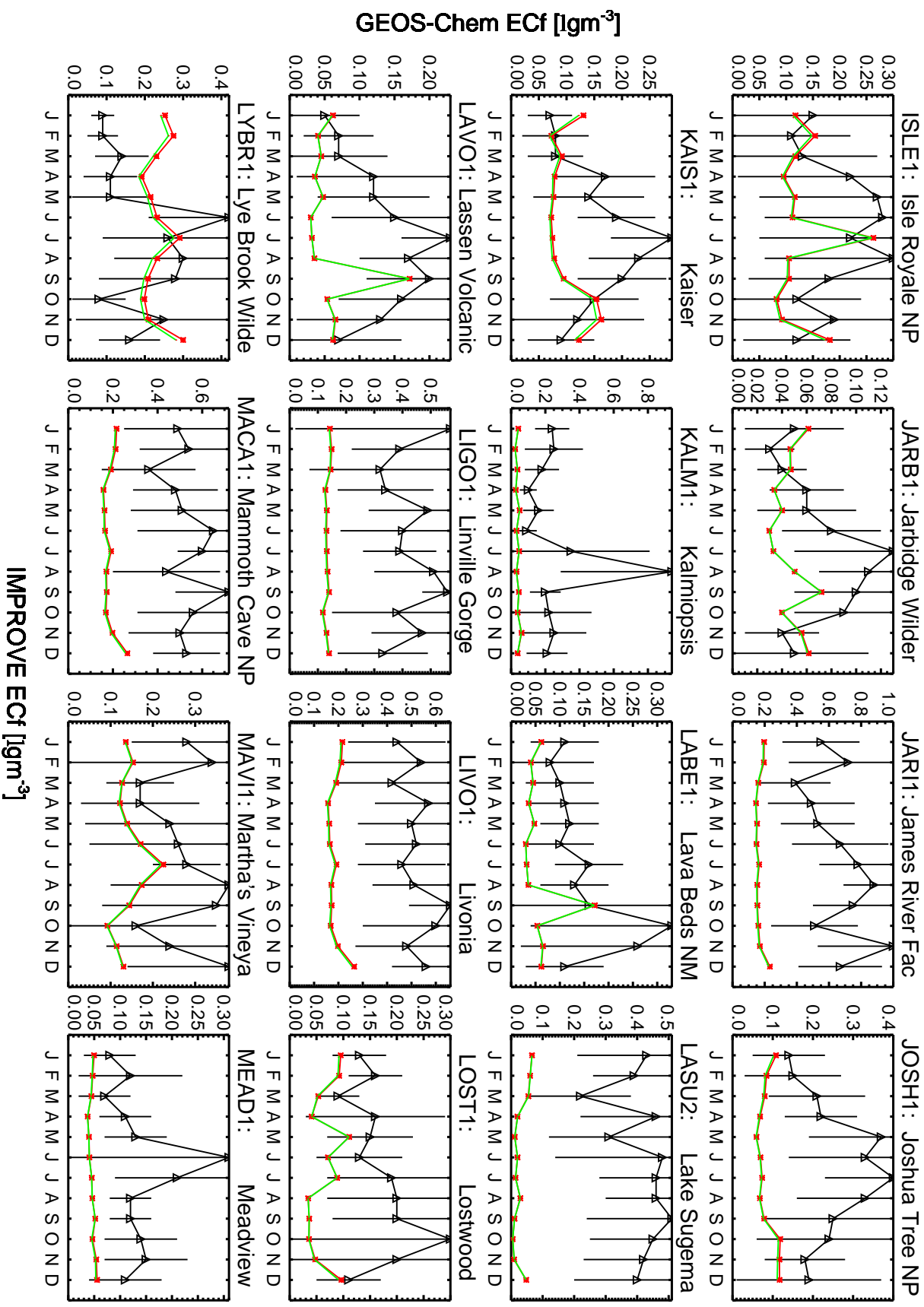


IMPROVE ECf [$\mu\text{g m}^{-3}$]

Red: GCC_14.0.0 (2019); Green: GCC_14.2.0 (2019)

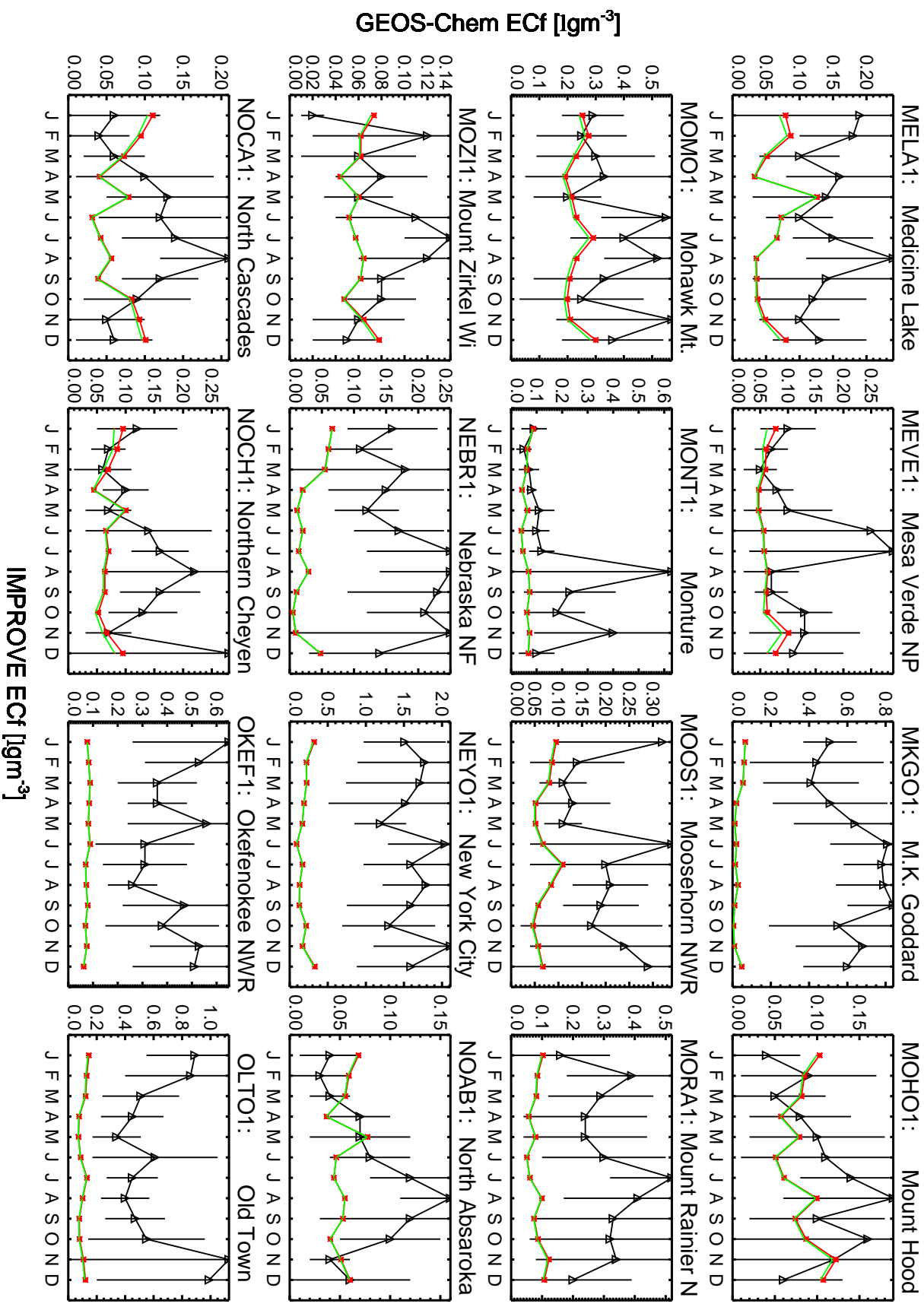


Red: GCC_14.0.0 (2019); Green: GCC_14.2.0 (2019)



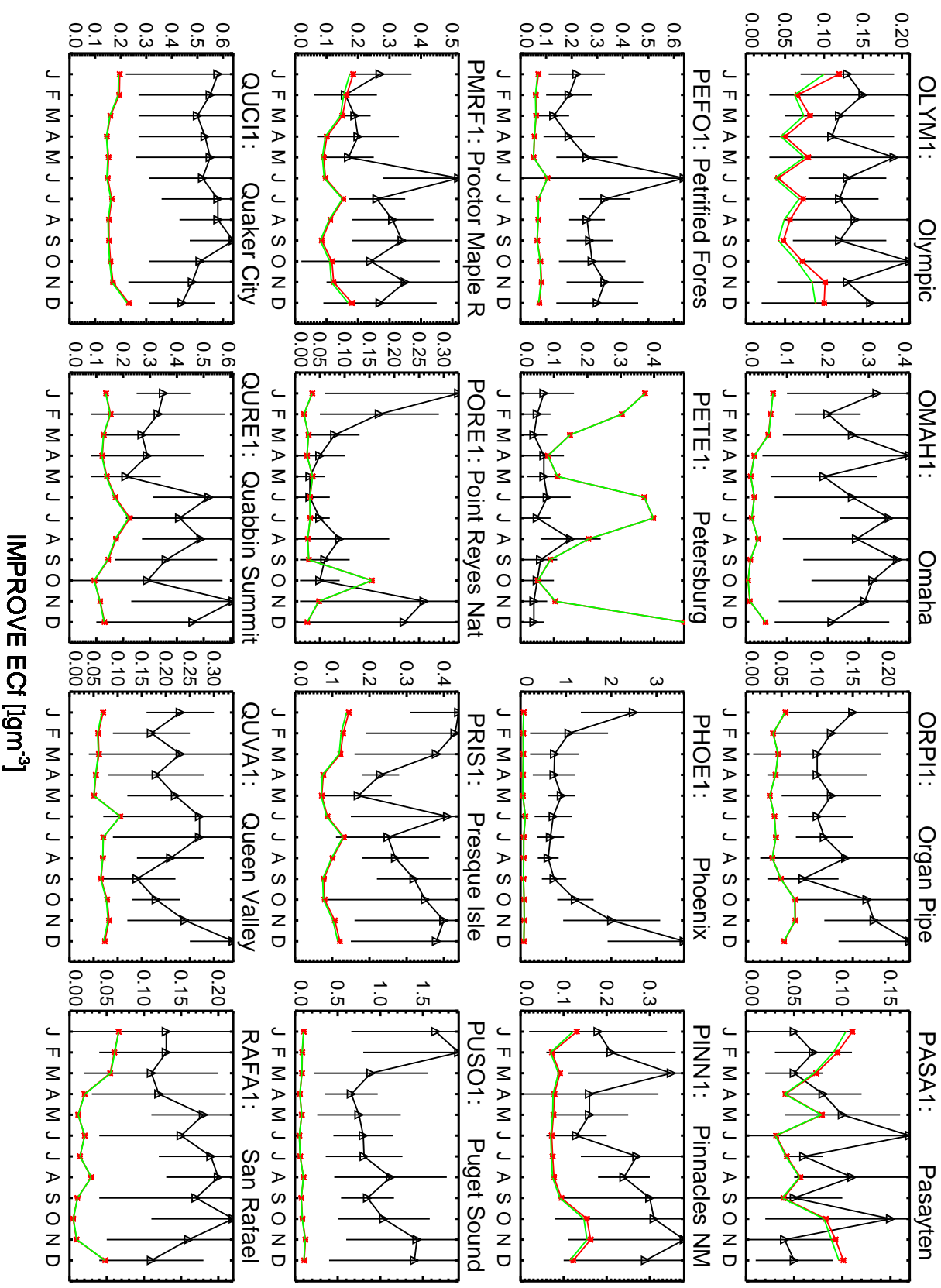
IMPROVE ECf [$\mu\text{g m}^{-3}$]

Red: GCC_14.0.0 (2019); Green: GCC_14.2.0 (2019)

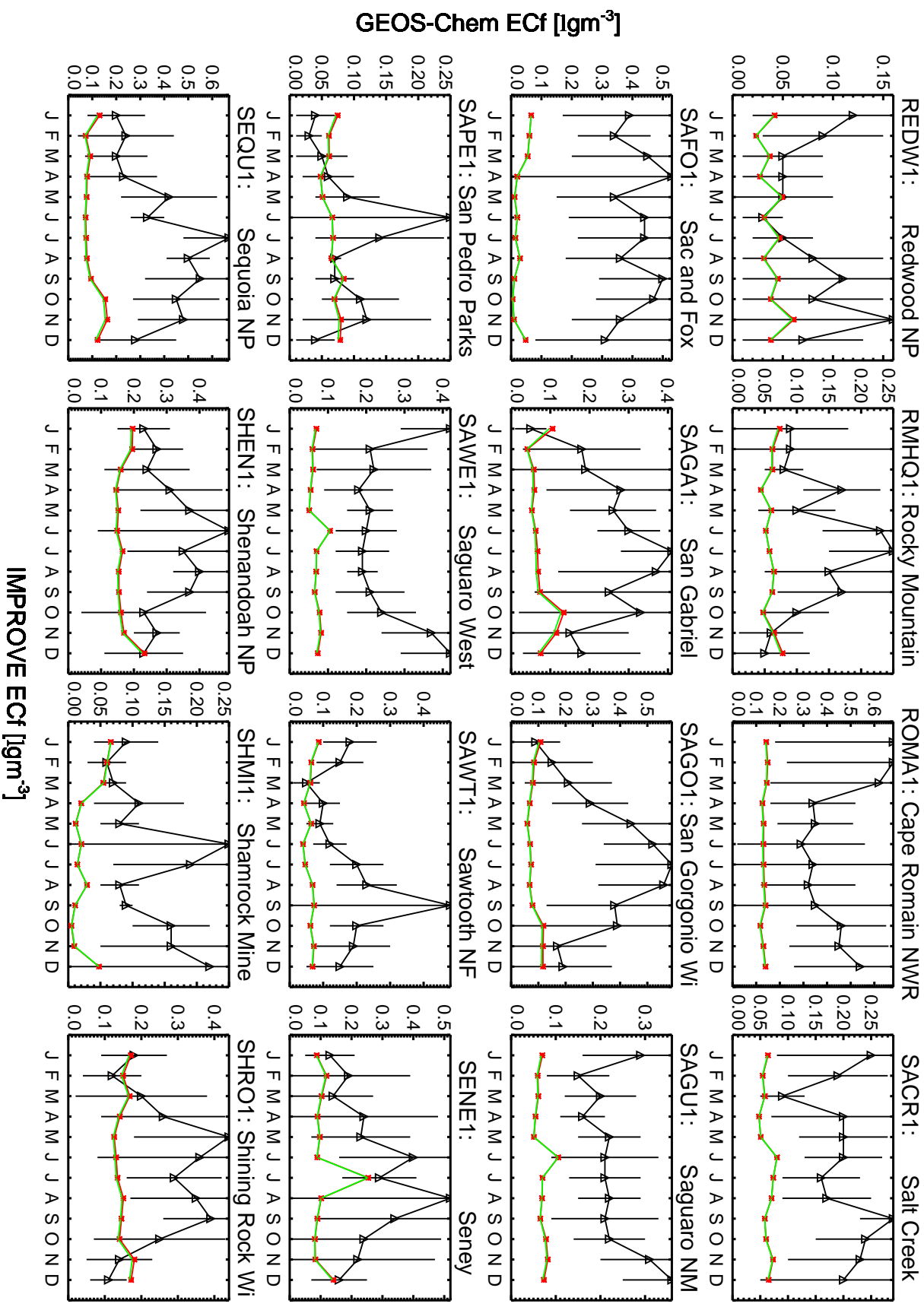


Red: GCC_14.0.0 (2019); Green: GCC_14.2.0 (2019)

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



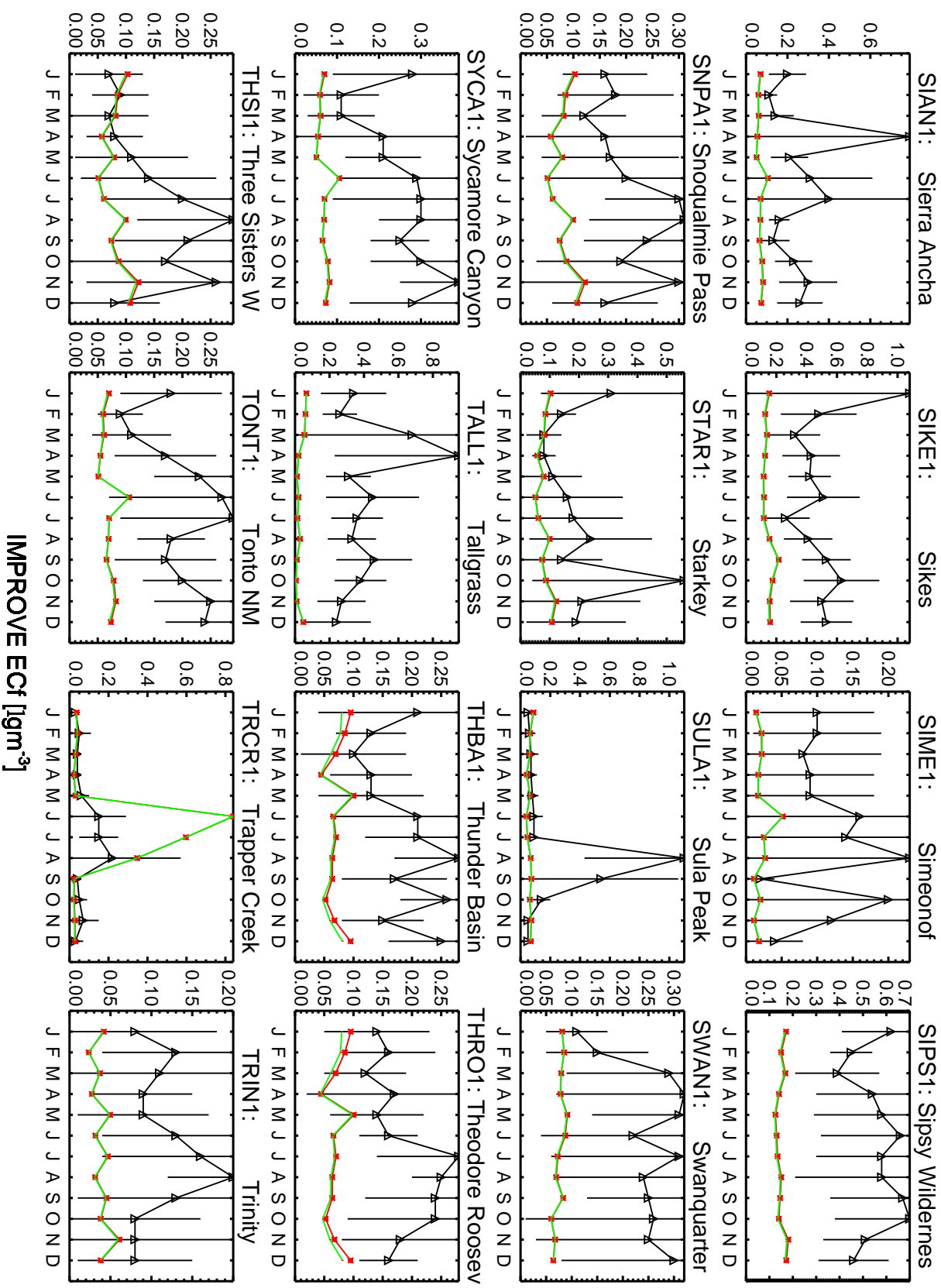
Red: GCC_14.0.0 (2019); Green: GCC_14.2.0 (2019)



IMPROVE ECf [μgm^{-3}]

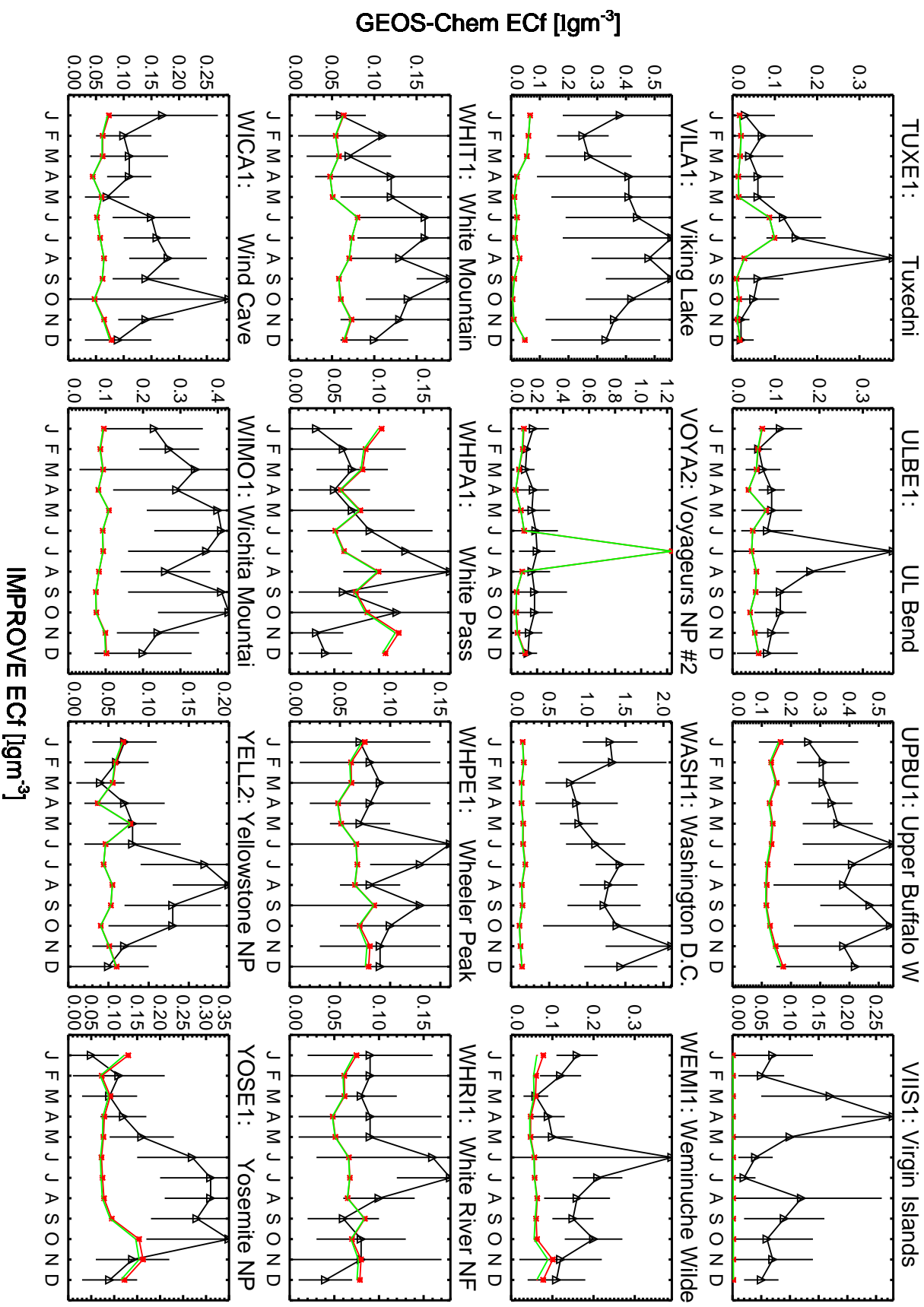
Red: GCC_14.0.0 (2019); Green: GCC_14.2.0 (2019)

GEOS-Chem ECf [μgm^{-3}]



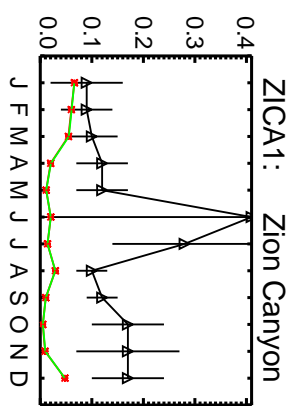
IMPROVE ECf [μgm^{-3}]

Red: GCC_14.0.0 (2019); Green: GCC_14.2.0 (2019)



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

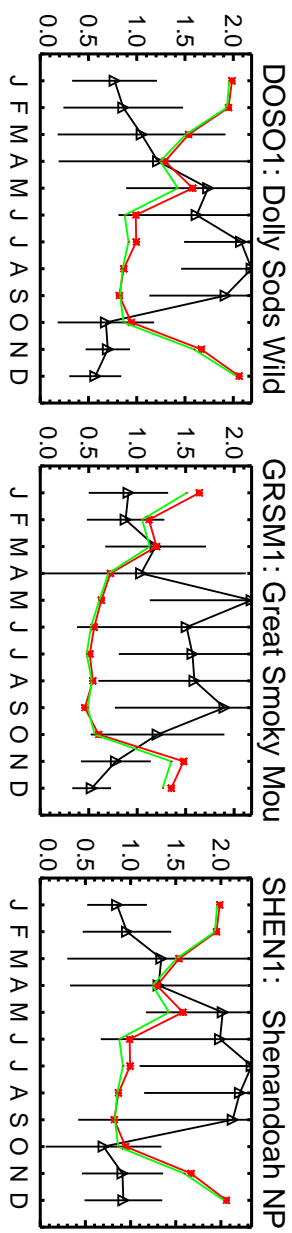
Red: GCC_14.0.0 (2019); Green: GCC_14.2.0 (2019)



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

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

Red: GCC_14.0.0 (2019); Green: GCC_14.2.0 (2019)



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

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