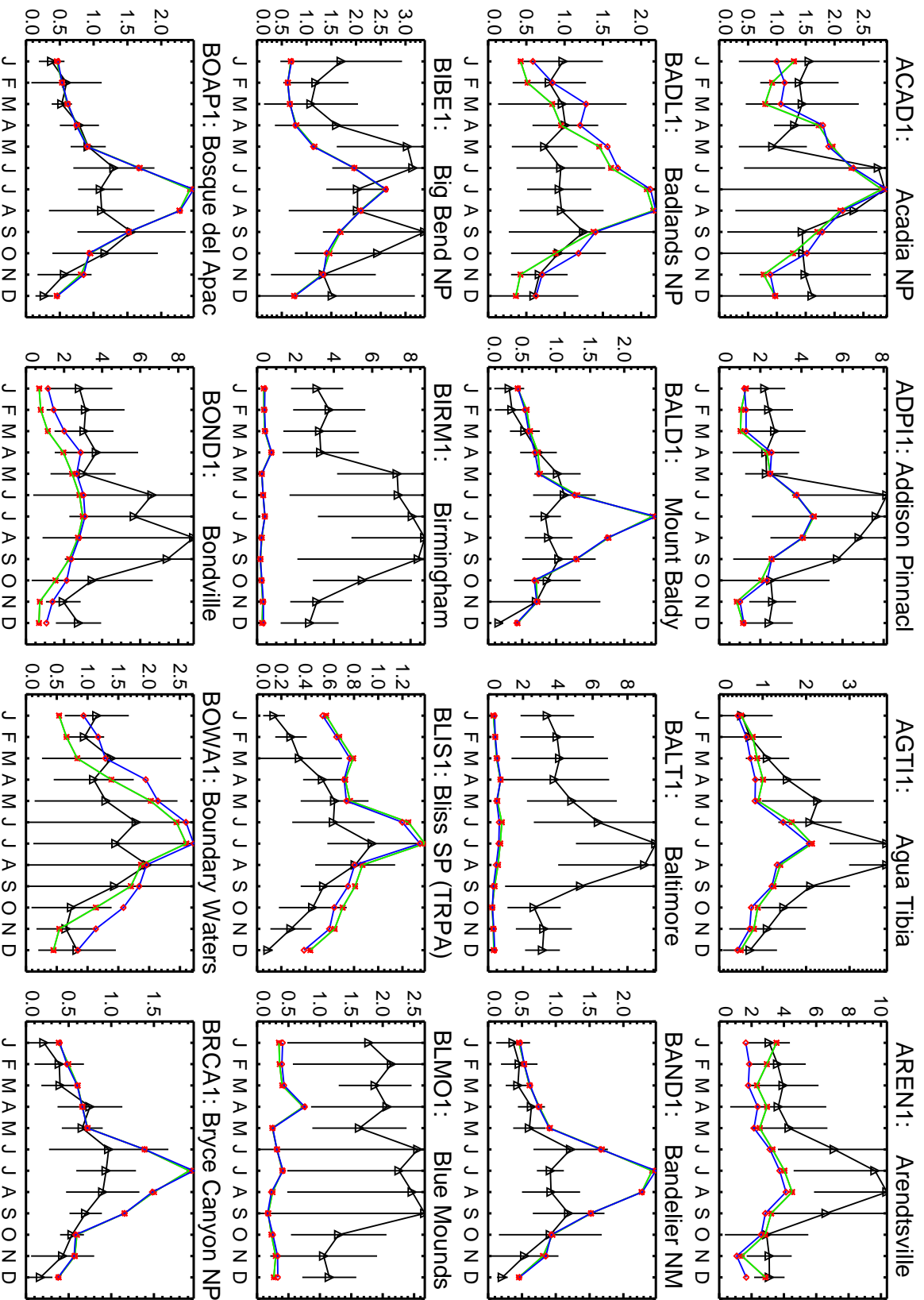


Red: v11-01k-Run0 (2013); Green: v11-01-public-Run0 (2013); Blue: v11-02a (2013)

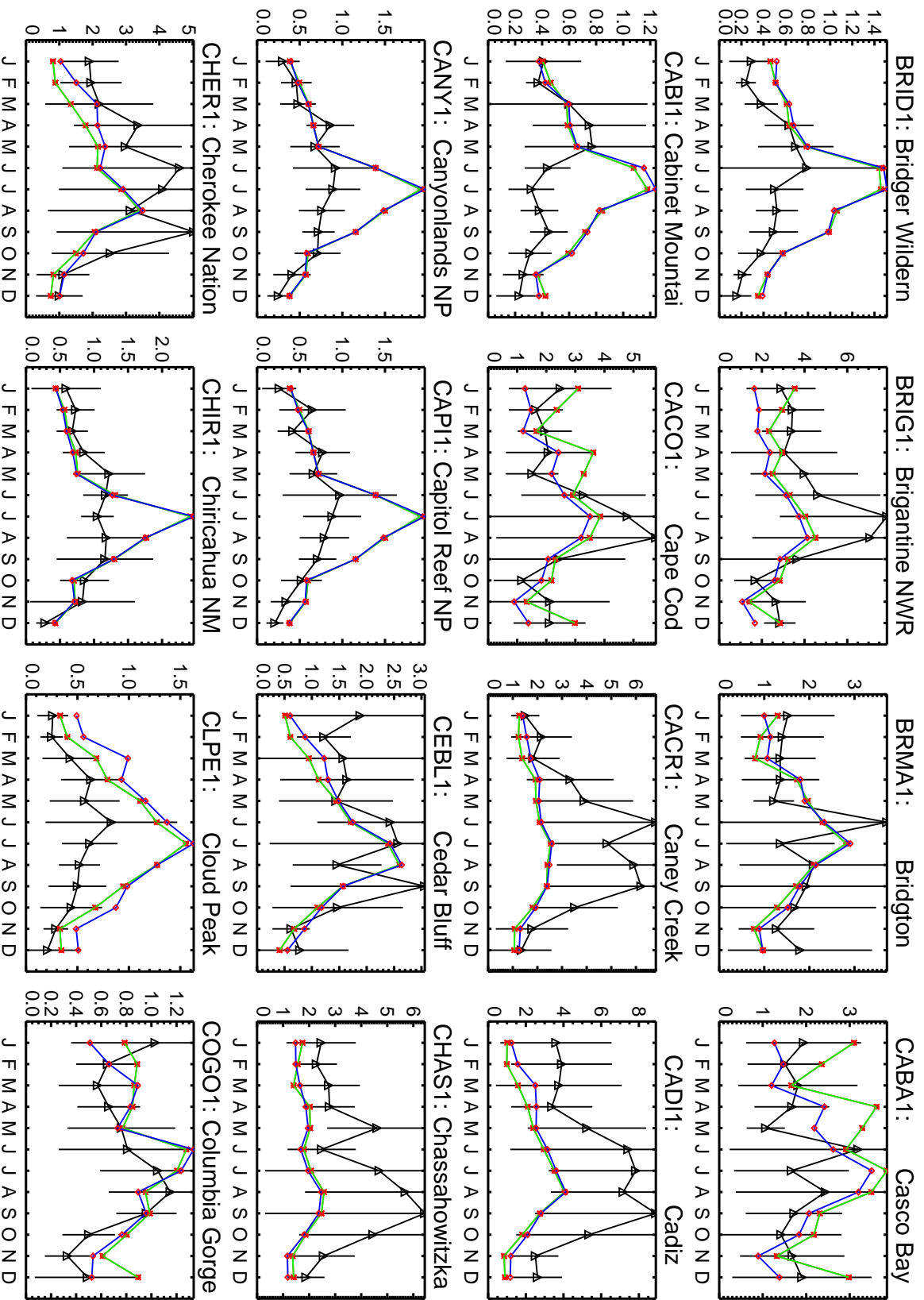
GEOS-Chem SO₄f [$\mu\text{g m}^{-3}$]



IMPROVE SO₄f [$\mu\text{g m}^{-3}$]

Red: v11-01k-Run0 (2013); Green: v11-01-public-Run0 (2013); Blue: v11-02a (2013)

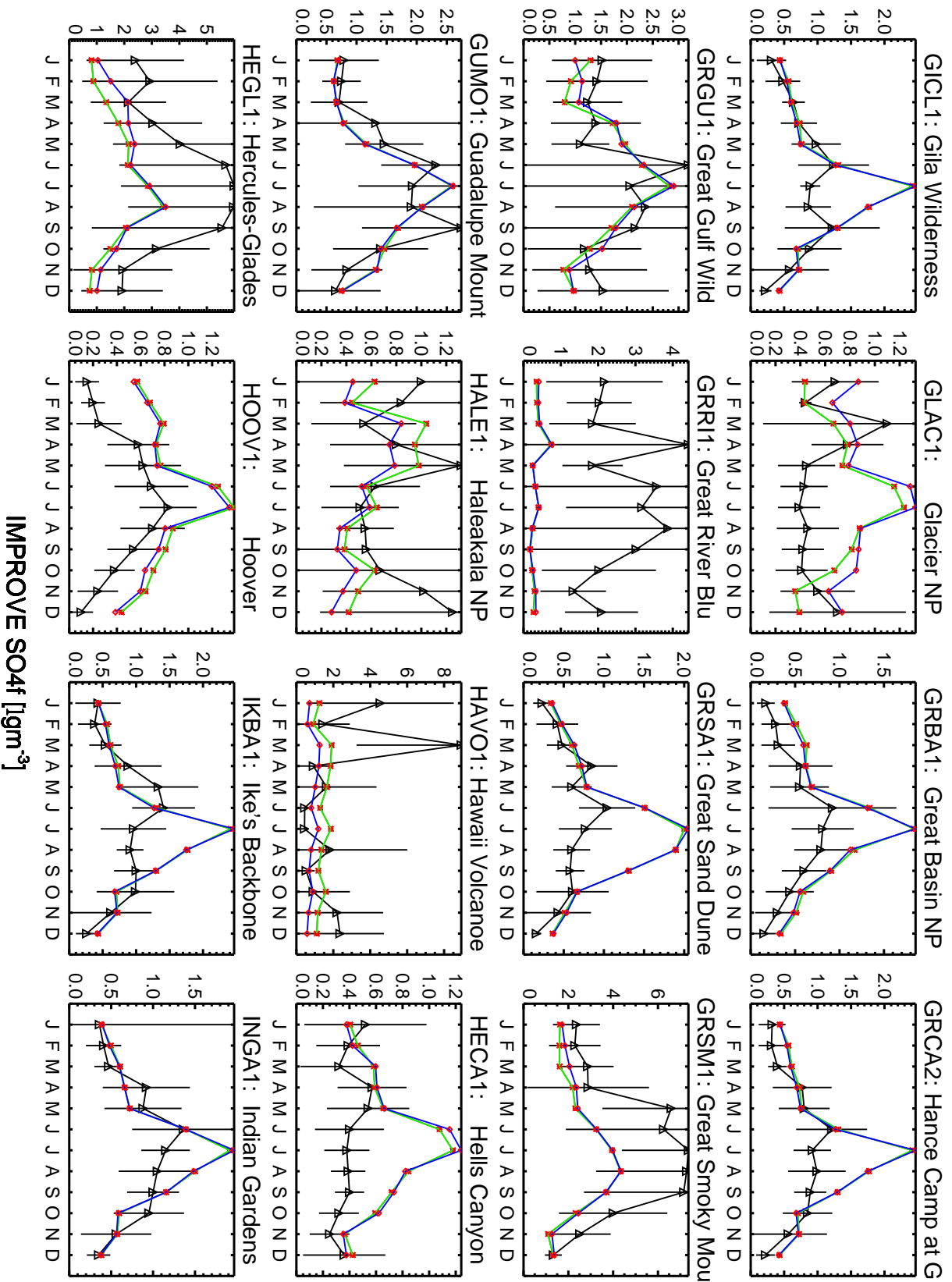
GEOS-Chem SO₄f [lgm⁻³]



IMPROVE SO₄f [lgm⁻³]

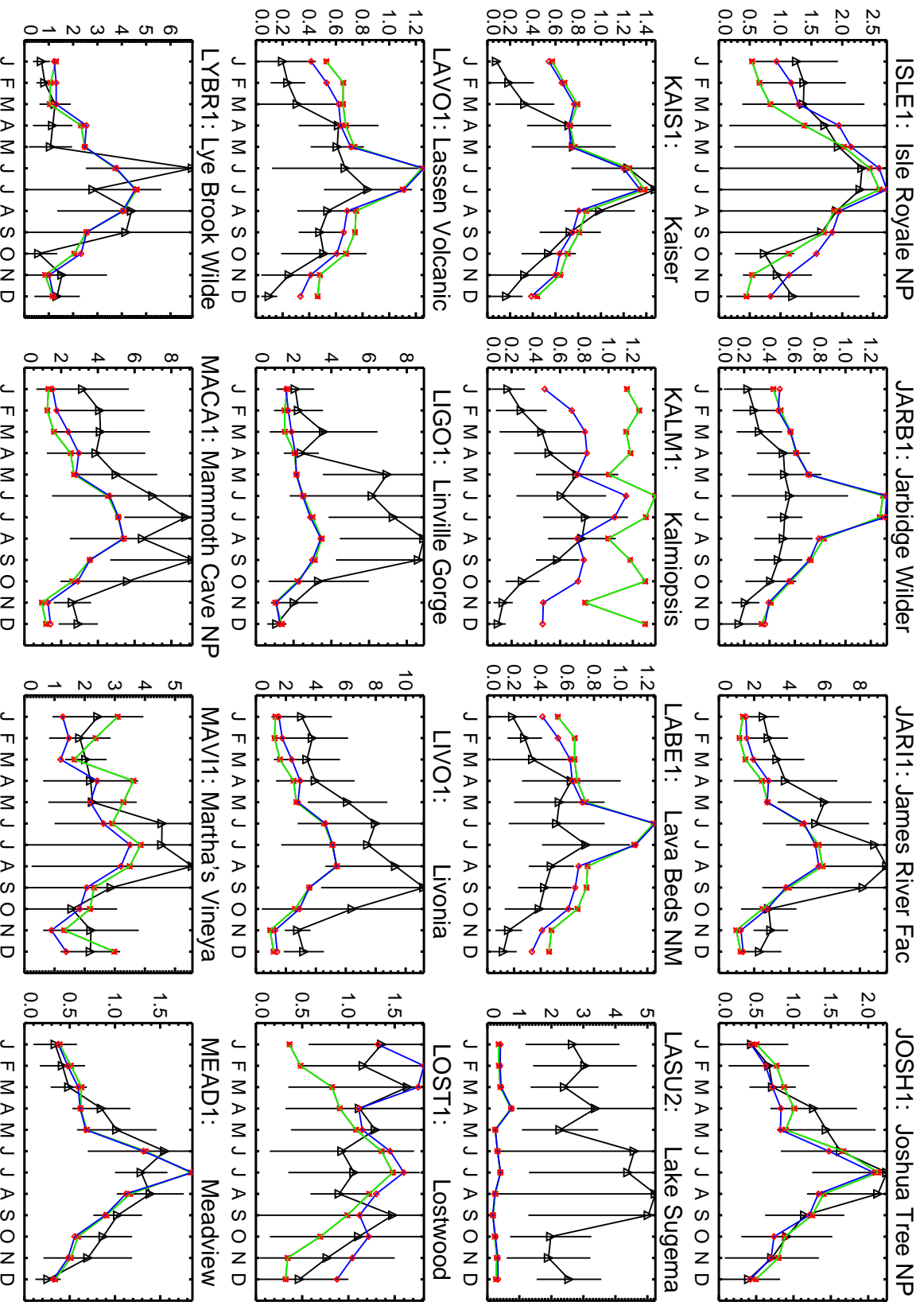
Red: v11-01k-Run0 (2013); Green: v11-01-public-Run0 (2013); Blue: v11-02a (2013)

GEOS-Chem SO₄f [$\mu\text{g m}^{-3}$]



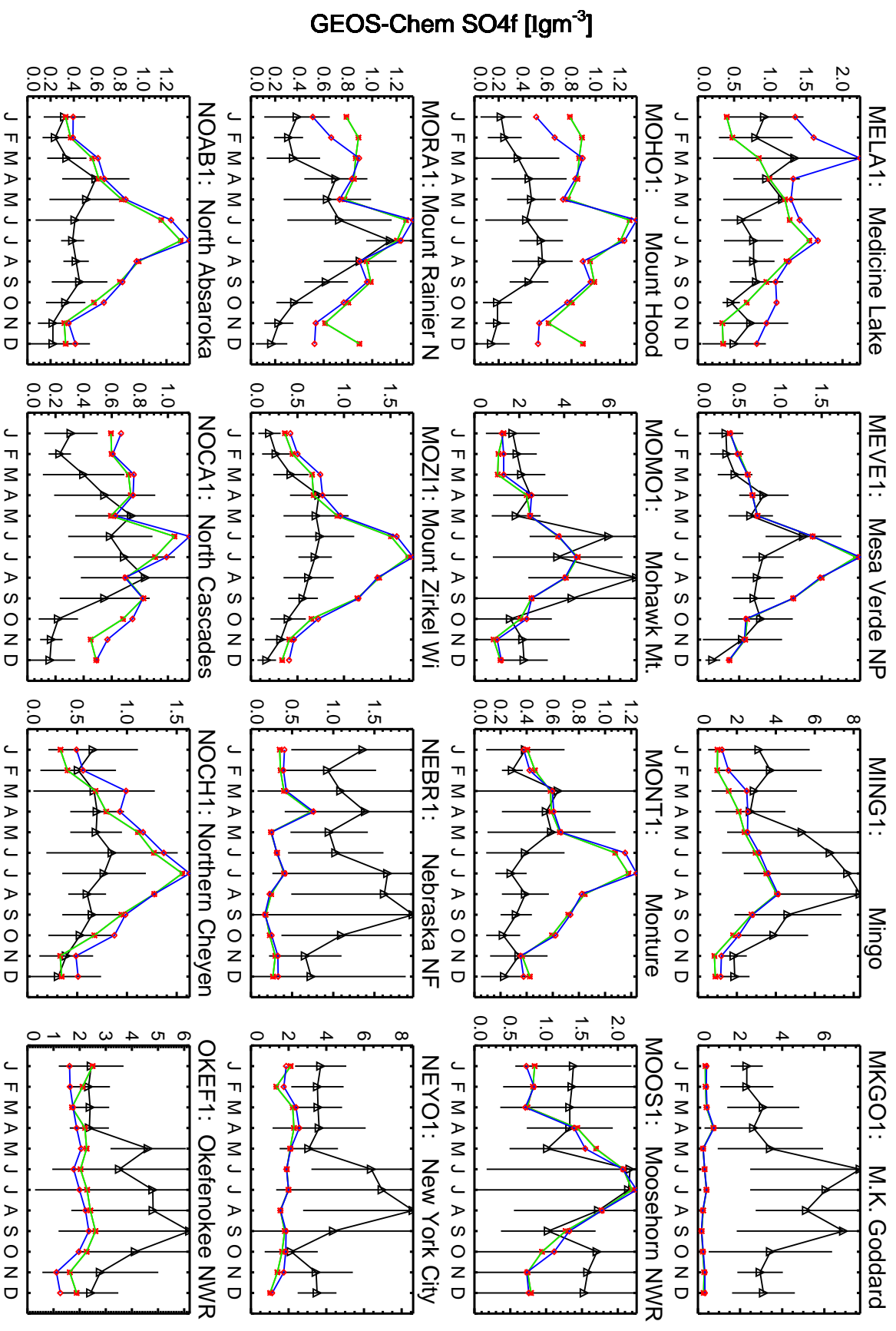
Red: v11-01k-Run0 (2013); Green: v11-01-public-Run0 (2013); Blue: v11-02a (2013)

GEOS-Chem SO₄f [lgm⁻³]

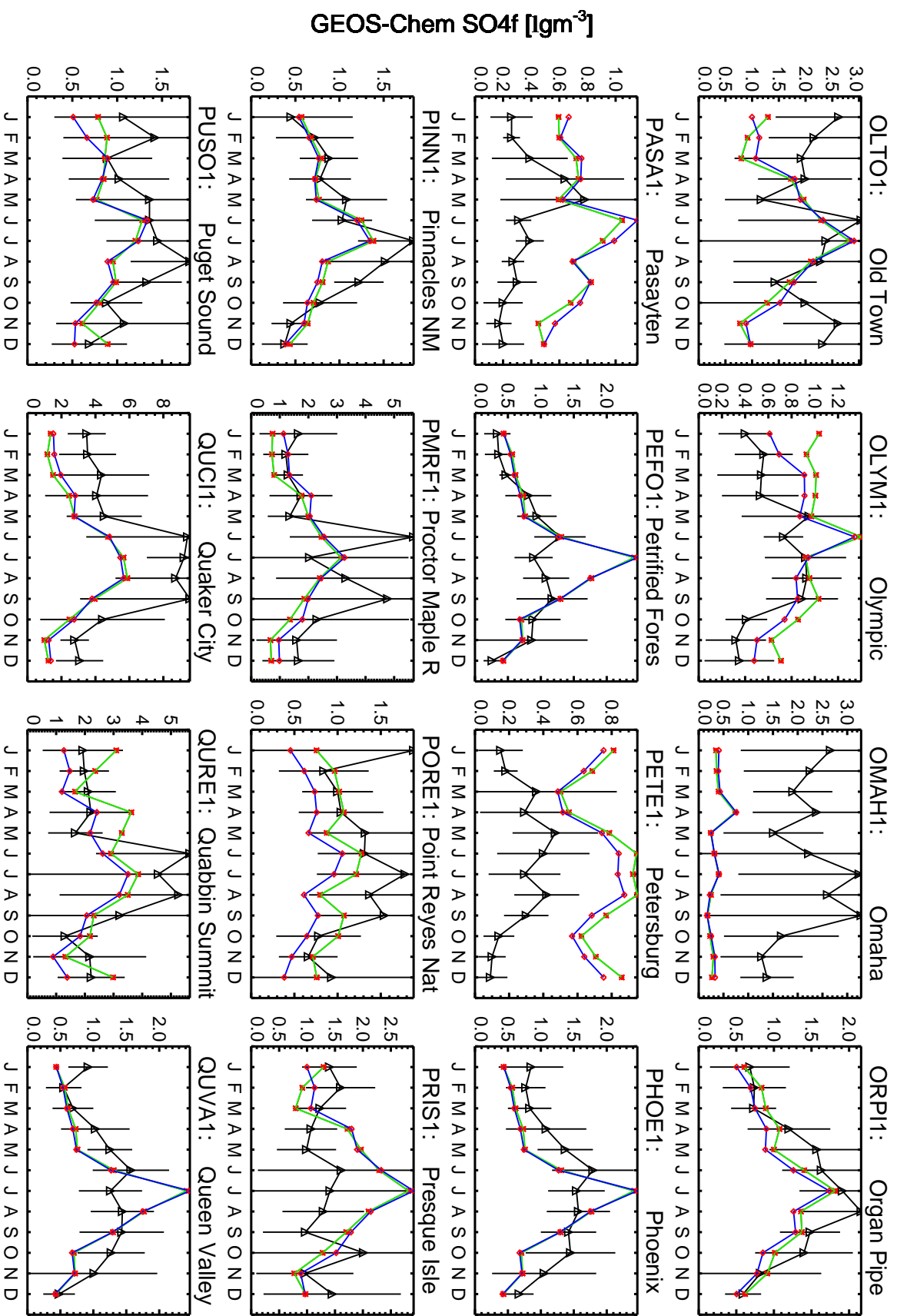


IMPROVE SO₄f [lgm⁻³]

Red: v11-01k-Run0 (2013); Green: v11-01-public-Run0 (2013); Blue: v11-02a (2013)



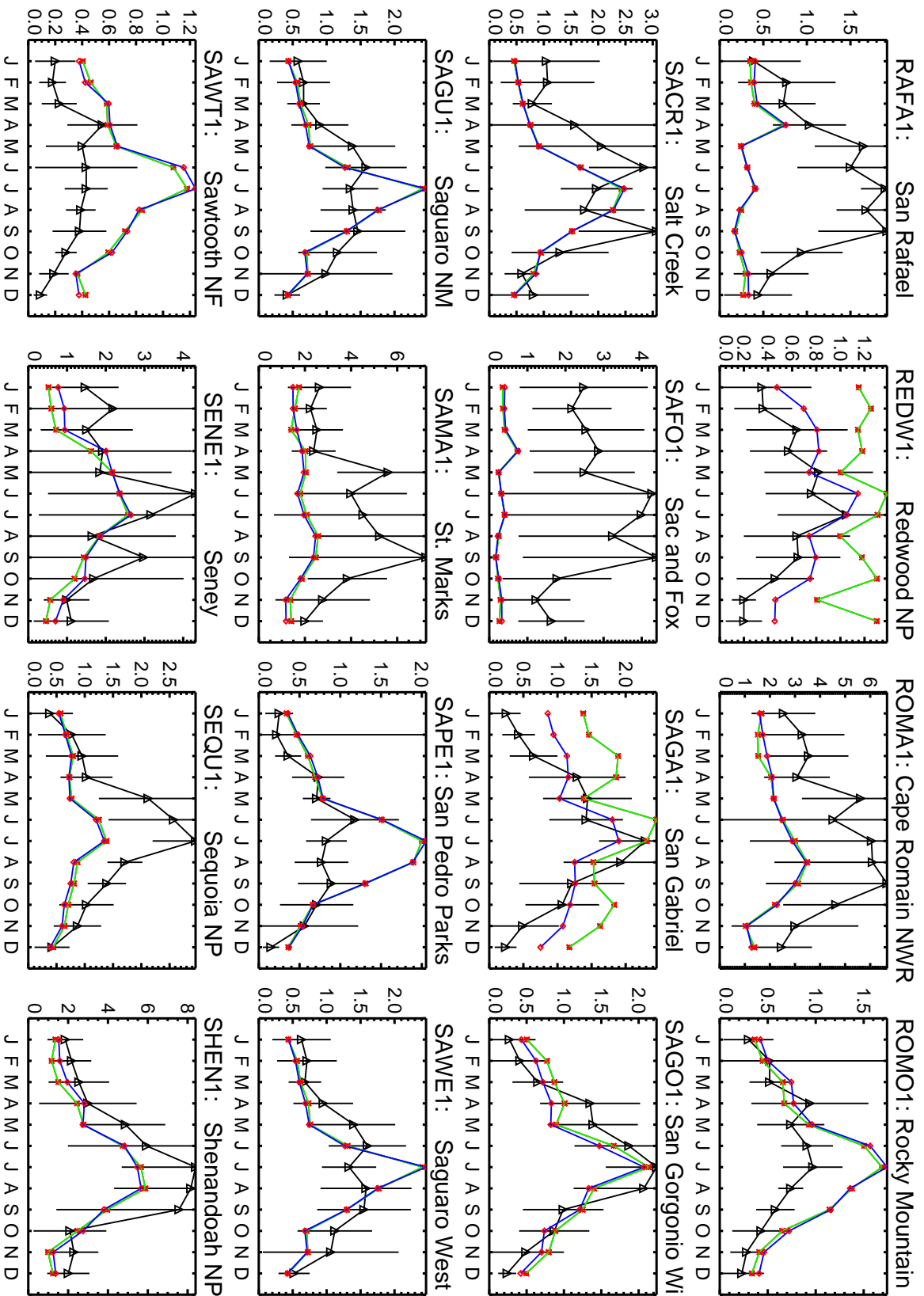
Red: v11-01k-Run0 (2013); Green: v11-01-public-Run0 (2013); Blue: v11-02a (2013)



IMPROVE SO₄f [$\mu\text{g m}^{-3}$]

Red: v11-01k-Run0 (2013); Green: v11-01-public-Run0 (2013); Blue: v11-02a (2013)

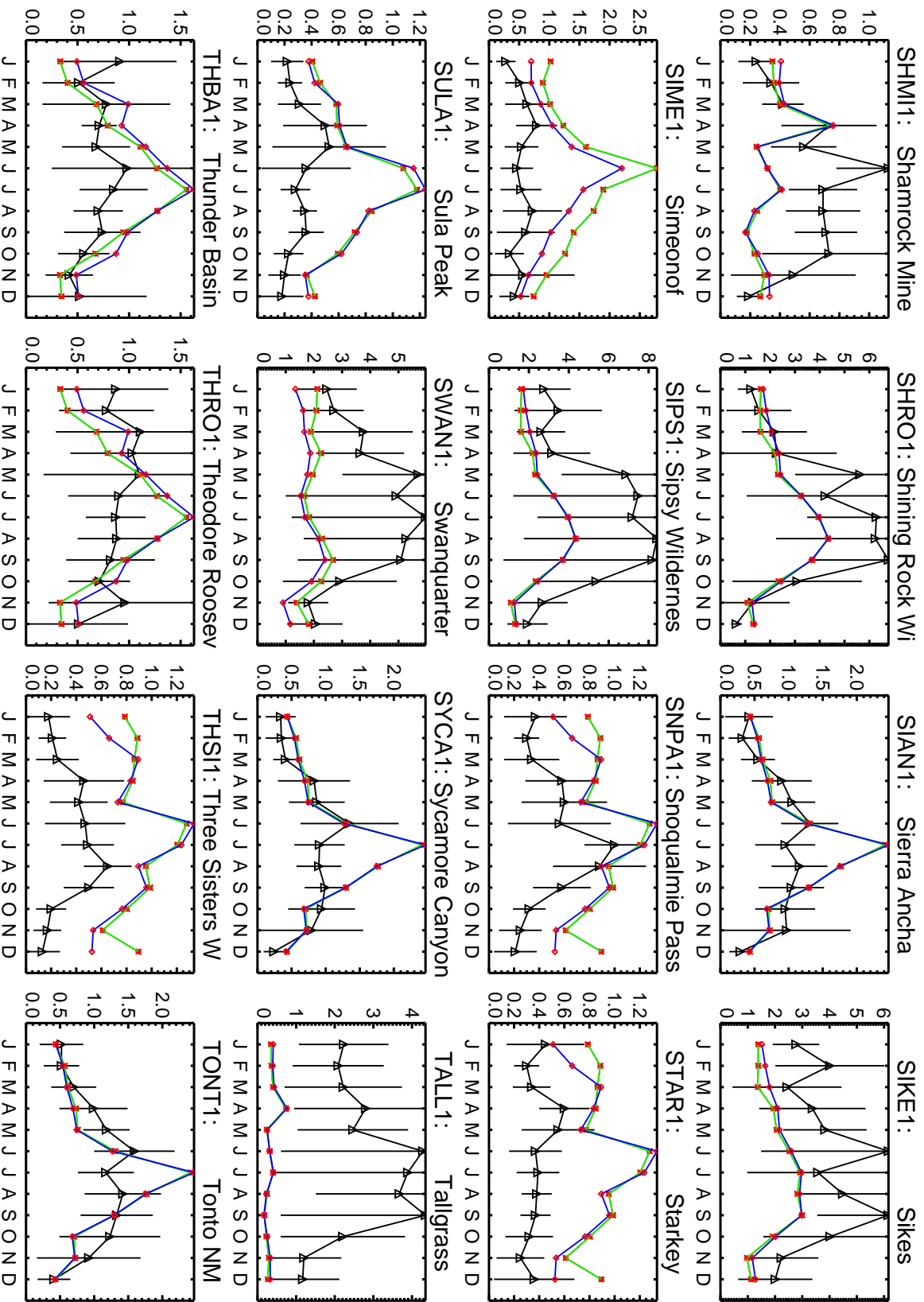
GEOS-Chem SO₄f [lgm⁻³]



IMPROVE SO₄f [lgm⁻³]

Red: v11-01k-Run0 (2013); Green: v11-01-public-Run0 (2013); Blue: v11-02a (2013)

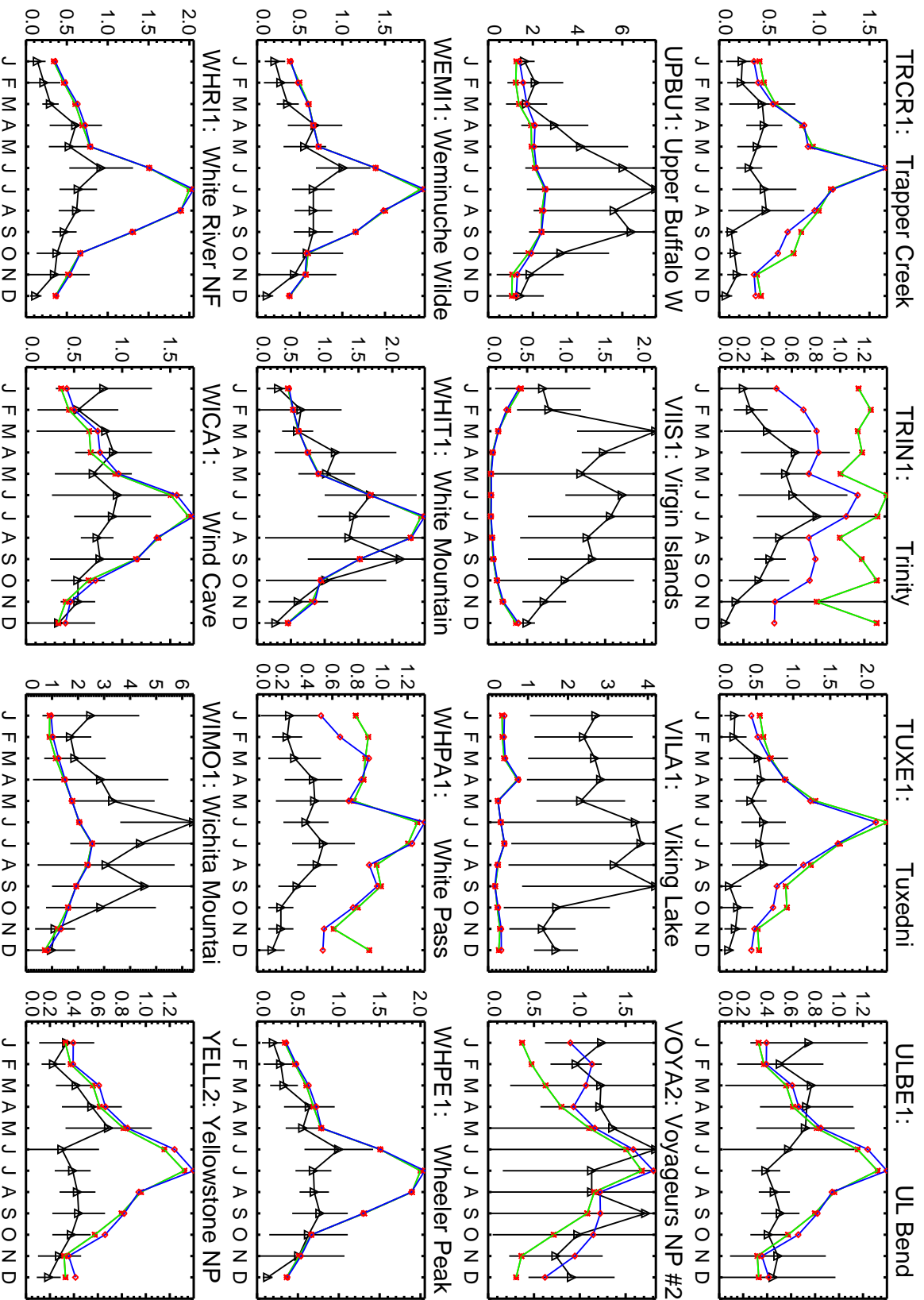
GEOS-Chem SO₄f [$\mu\text{g m}^{-3}$]



IMPROVE SO₄f [$\mu\text{g m}^{-3}$]

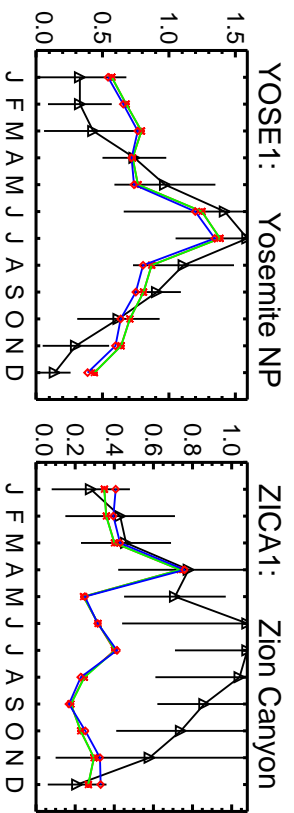
Red: v11-01k-Run0 (2013); Green: v11-01-public-Run0 (2013); Blue: v11-02a (2013)

GEOS-Chem SO₄f [$\mu\text{g m}^{-3}$]



IMPROVE SO₄f [$\mu\text{g m}^{-3}$]

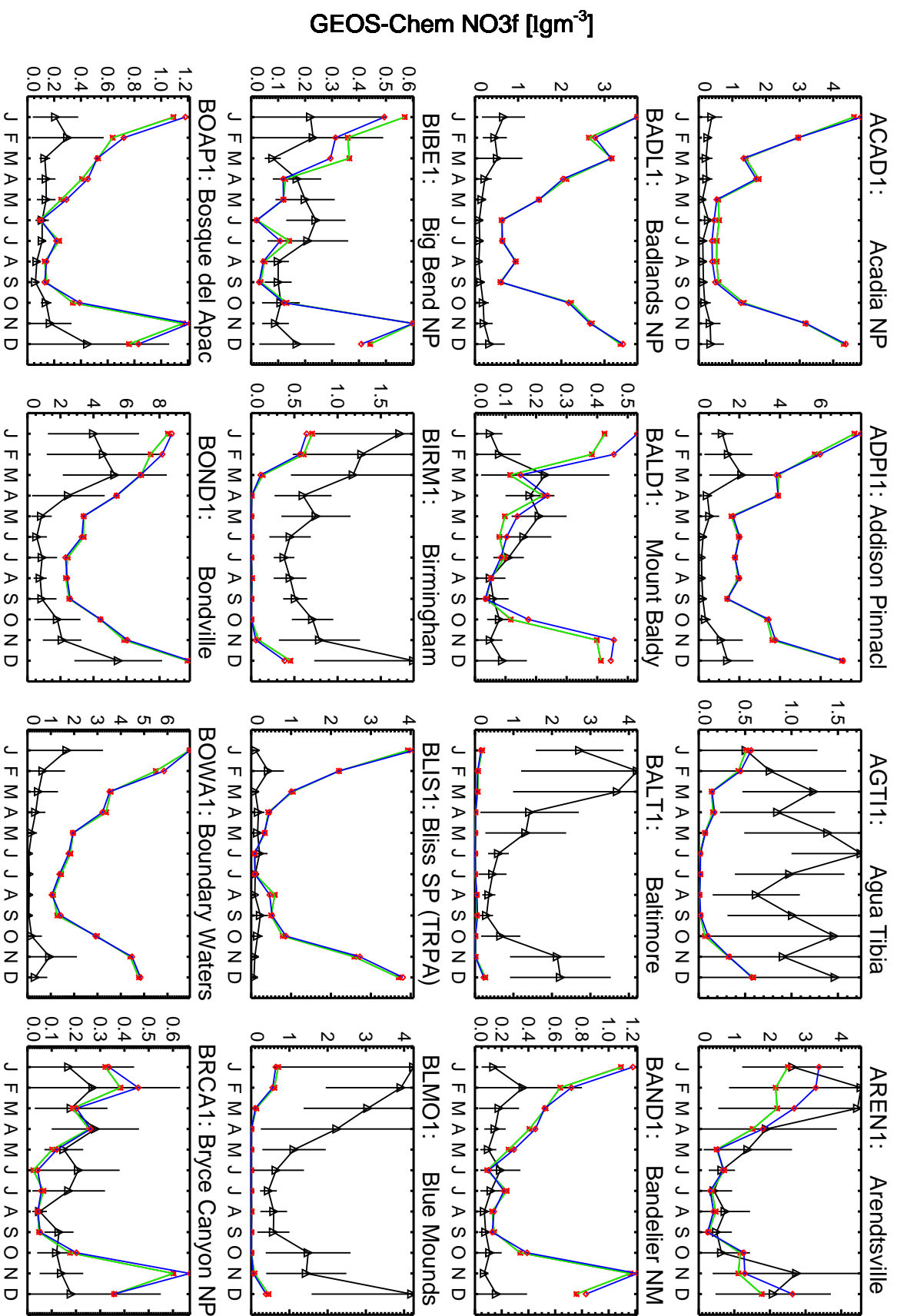
Red: v11-01k-Run0 (2013); Green: v11-01-public-Run0 (2013); Blue: v11-02a (2013)



GEOS-Chem SO₄f [1gm⁻³]

IMPROVE SO₄f [1gm⁻³]

Red: v11-01k-Run0 (2013); Green: v11-01-public-Run0 (2013); Blue: v11-02a (2013)

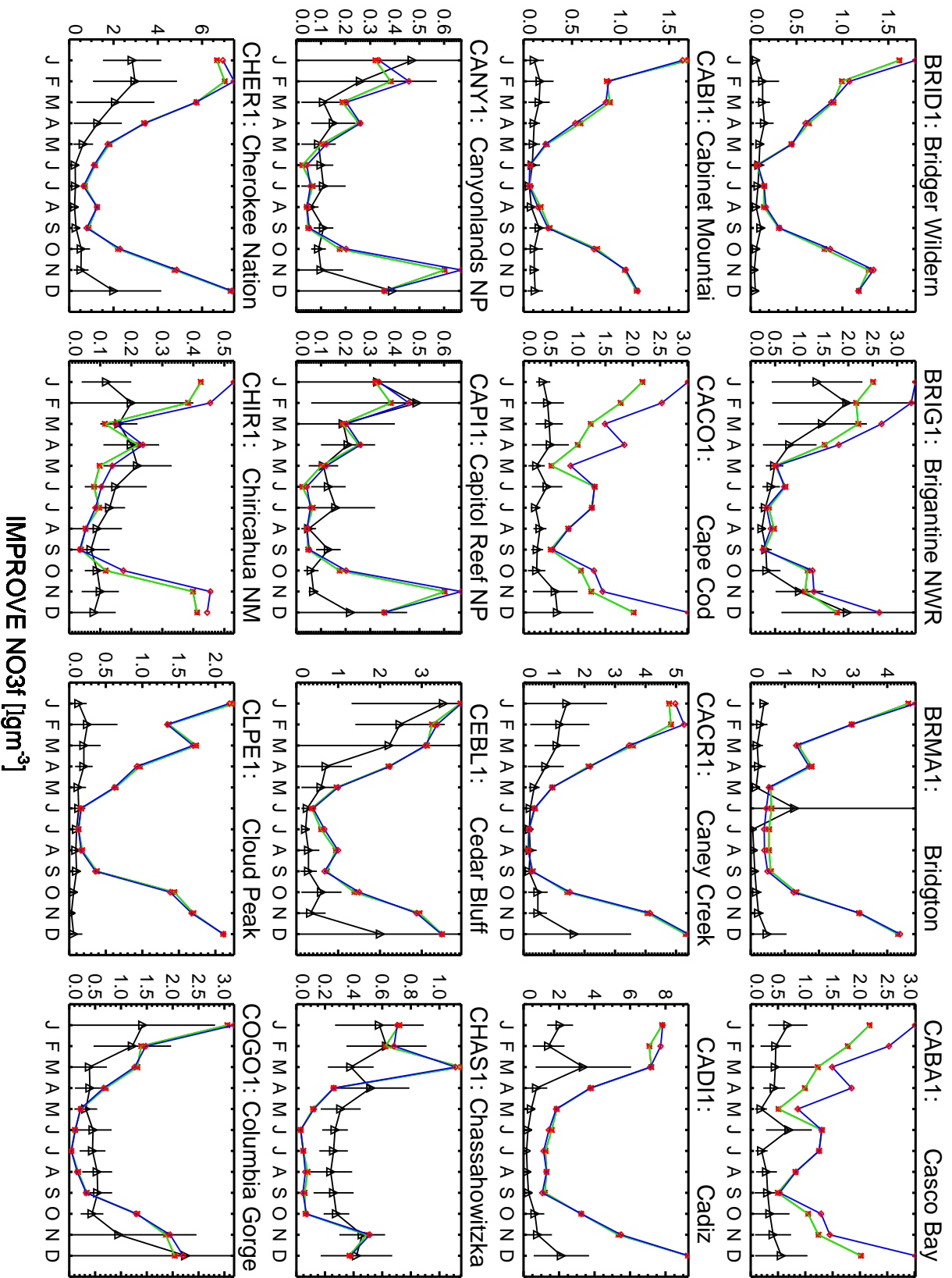


GEOS-Chem NO₃f [μgm^{-3}]

IMPROVE NO₃f [μgm^{-3}]

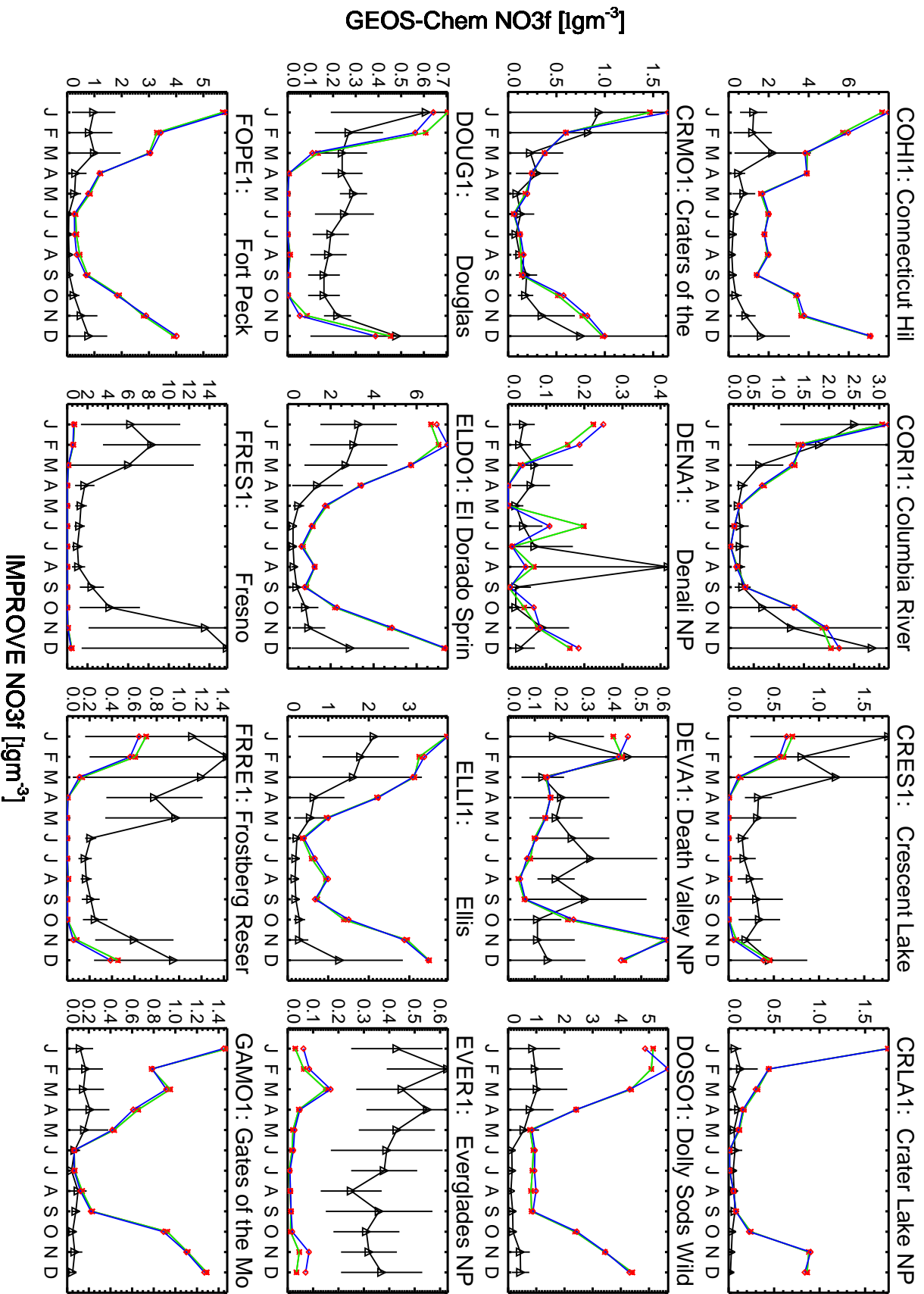
Red: v11-01k-Run0 (2013); Green: v11-01-public-Run0 (2013); Blue: v11-02a (2013)

GEOS-Chem NO₃f [$\mu\text{g m}^{-3}$]



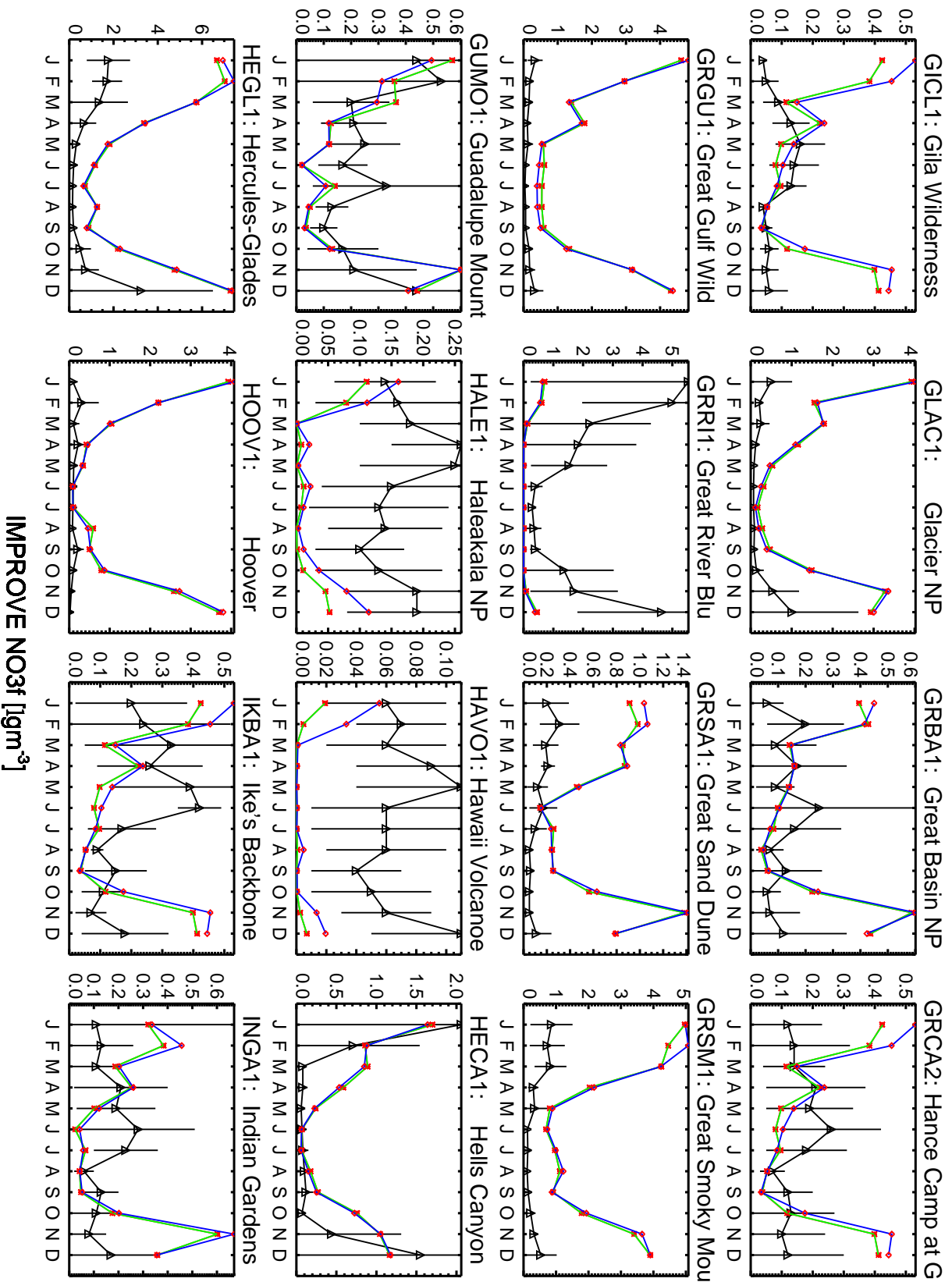
IMPROVE NO₃f [$\mu\text{g m}^{-3}$]

Red: v11-01k-Run0 (2013); Green: v11-01-public-Run0 (2013); Blue: v11-02a (2013)



Red: v11-01k-Run0 (2013); Green: v11-01-public-Run0 (2013); Blue: v11-02a (2013)

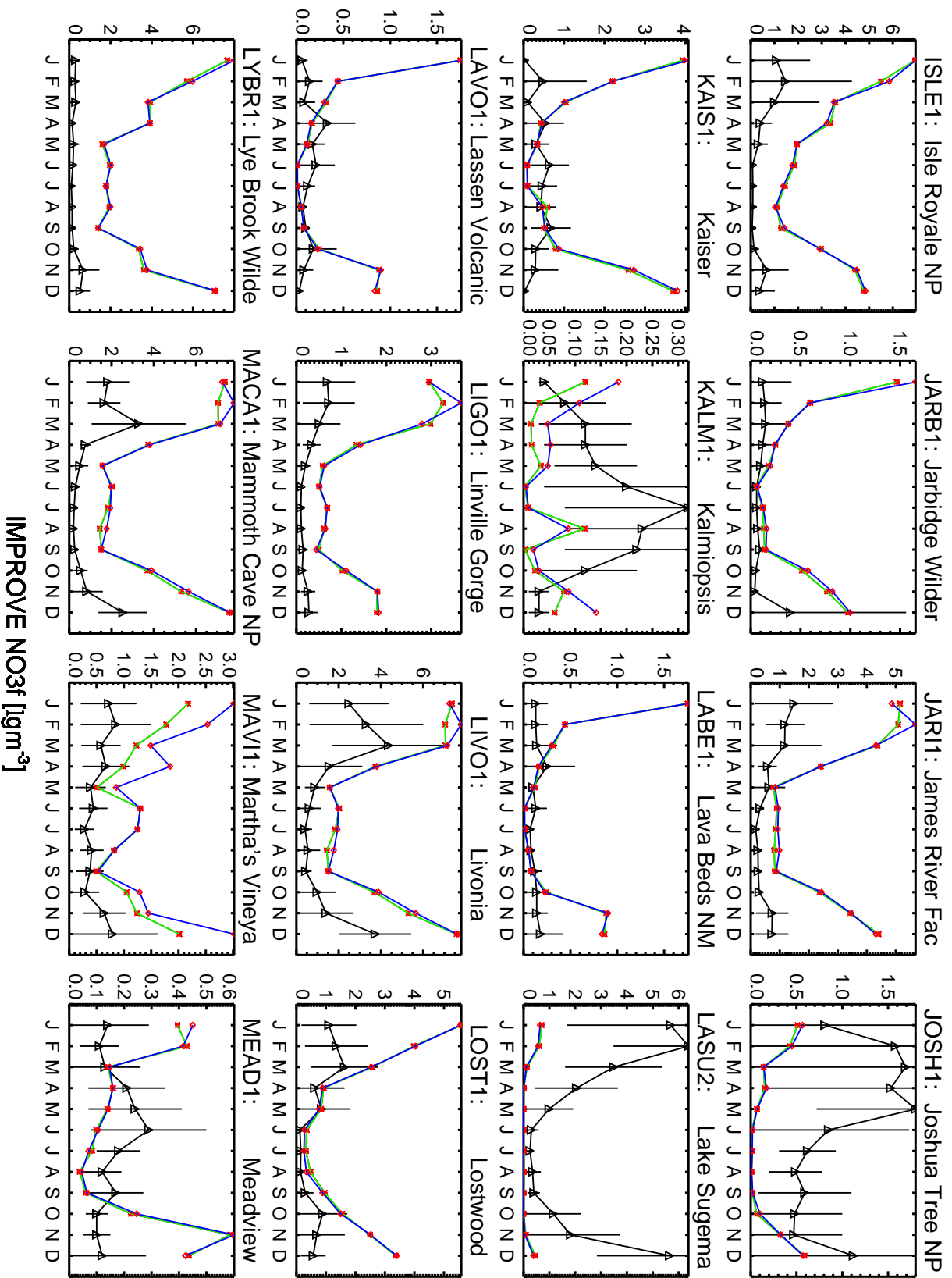
GEOS-Chem NO₃f [$\mu\text{g m}^{-3}$]



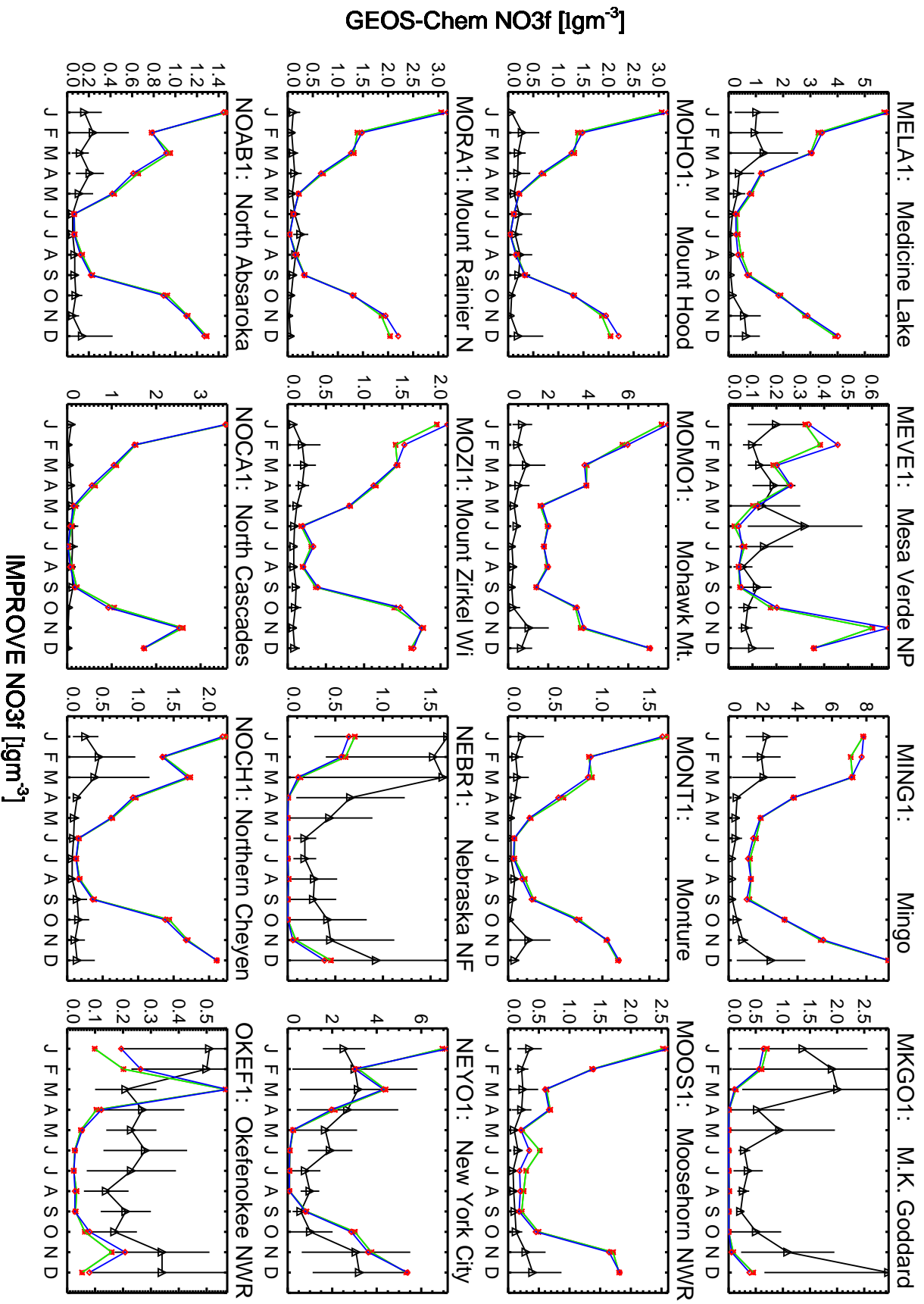
IMPROVE NO₃f [$\mu\text{g m}^{-3}$]

Red: v11-01k-Run0 (2013); Green: v11-01-public-Run0 (2013); Blue: v11-02a (2013)

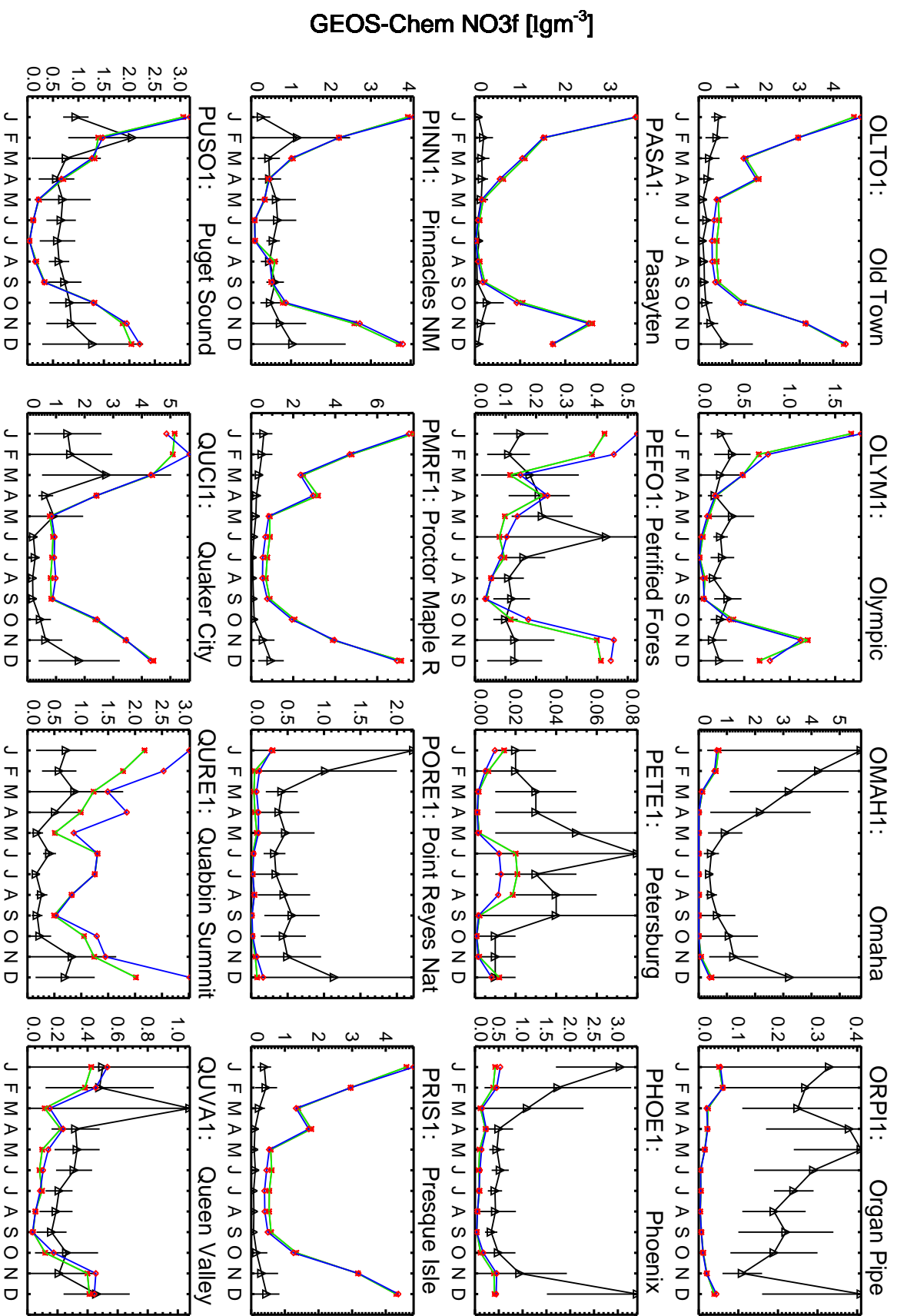
GEOS-Chem NO₃f [$\mu\text{g m}^{-3}$]



Red: v11-01k-Run0 (2013); Green: v11-01-public-Run0 (2013); Blue: v11-02a (2013)

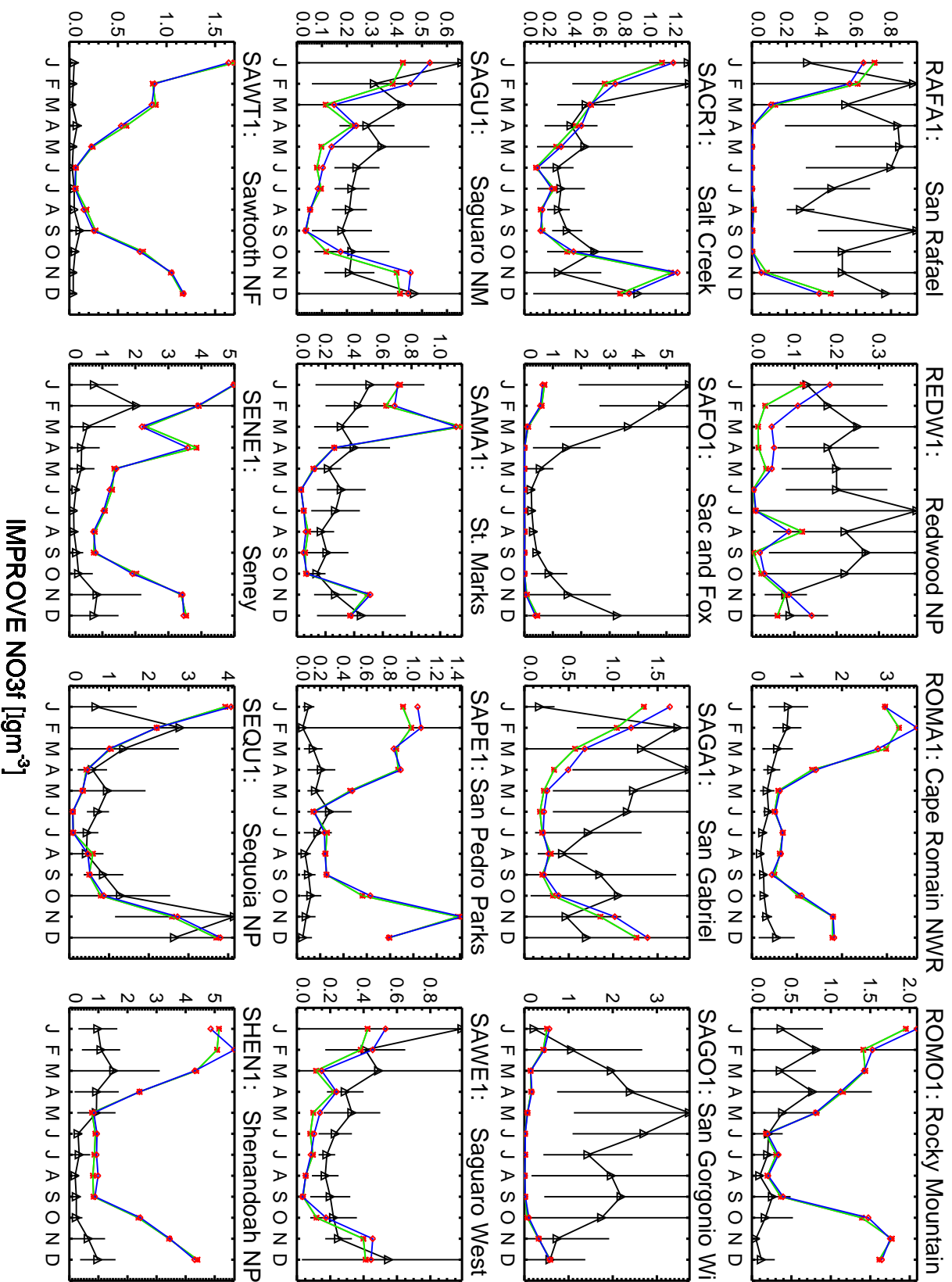


Red: v11-01k-Run0 (2013); Green: v11-01-public-Run0 (2013); Blue: v11-02a (2013)



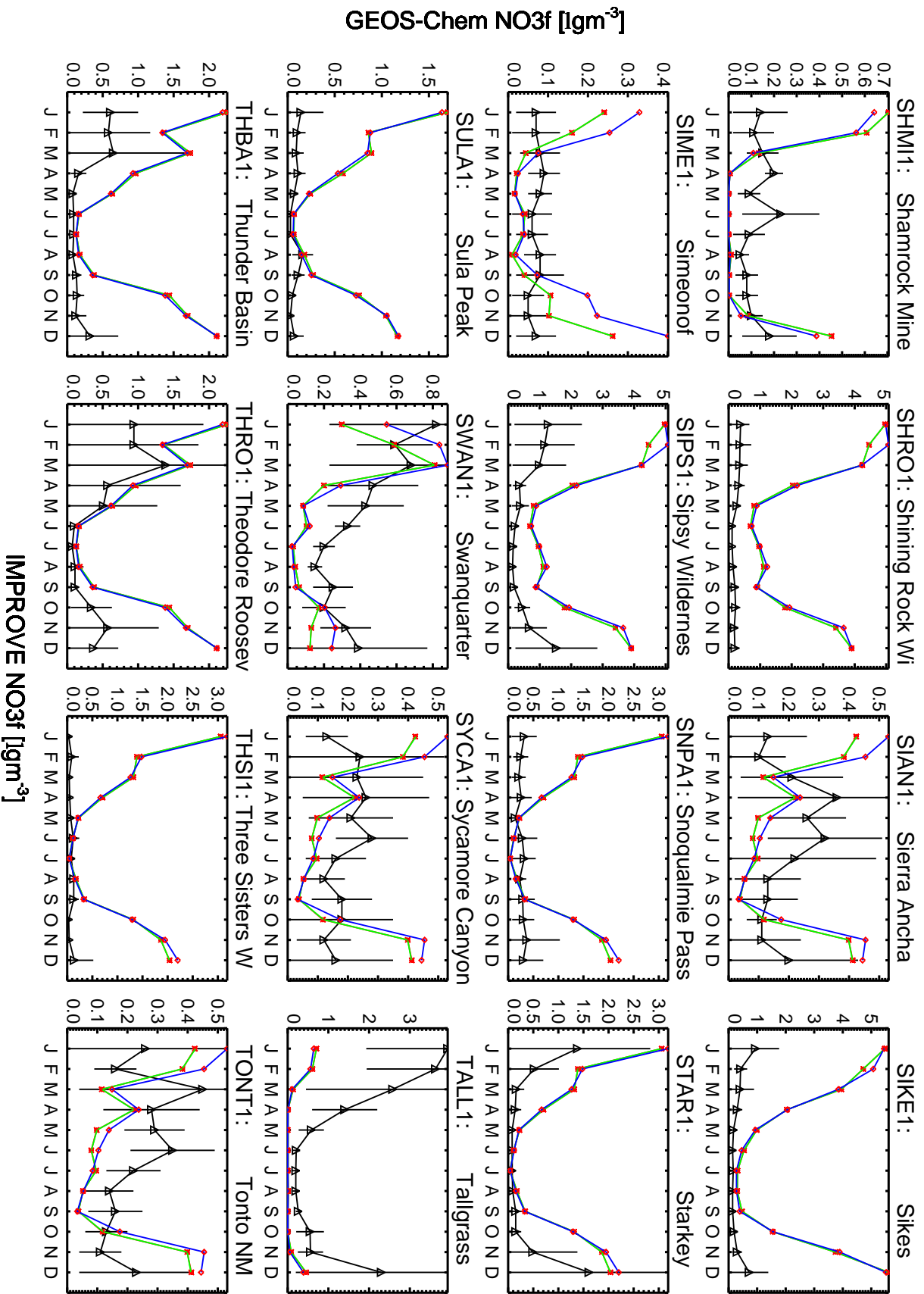
Red: v11-01k-Run0 (2013); Green: v11-01-public-Run0 (2013); Blue: v11-02a (2013)

GEOS-Chem NO₃f [μgm^{-3}]



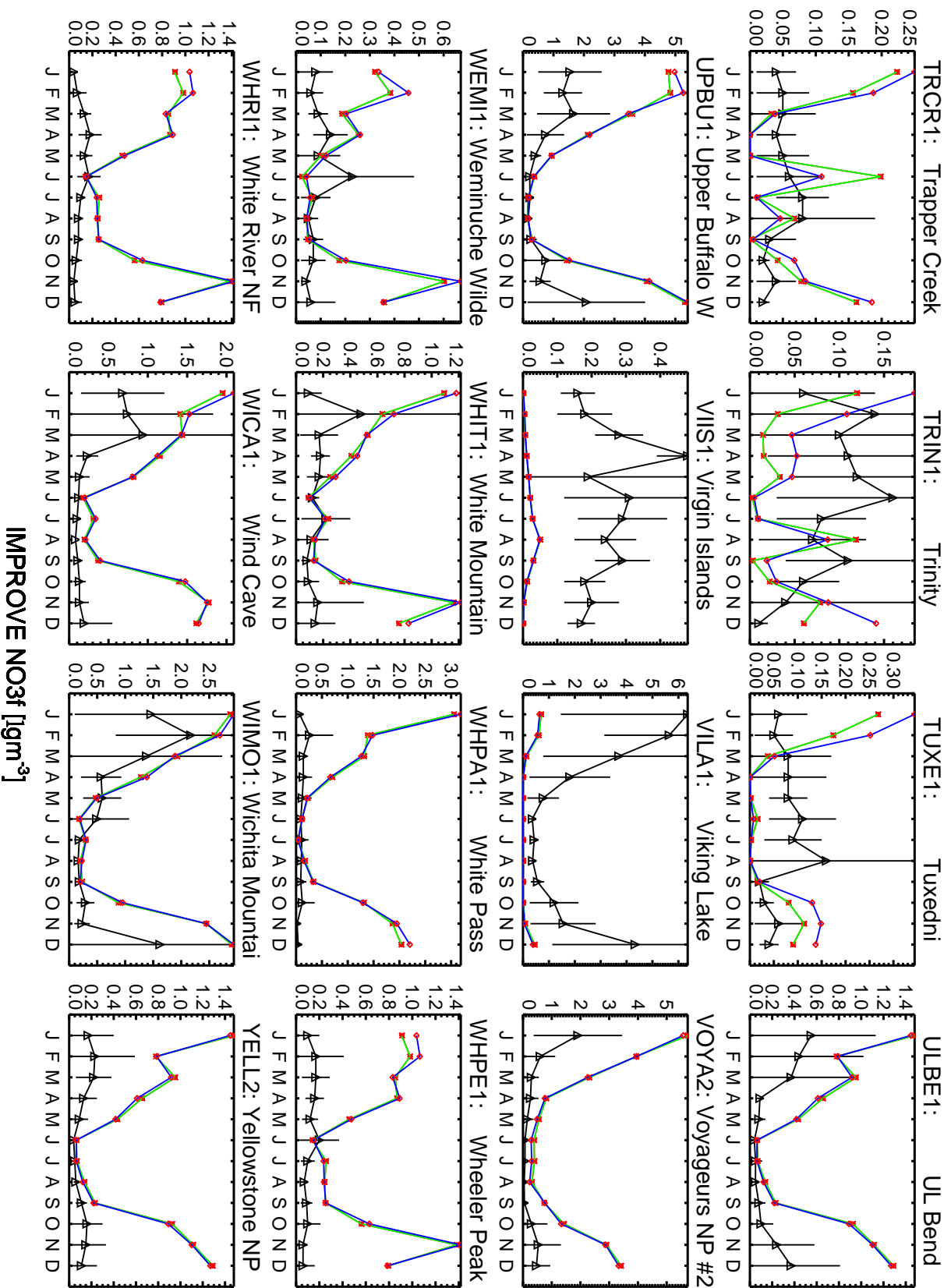
IMPROVE NO₃f [μgm^{-3}]

Red: v11-01k-Run0 (2013); Green: v11-01-public-Run0 (2013); Blue: v11-02a (2013)



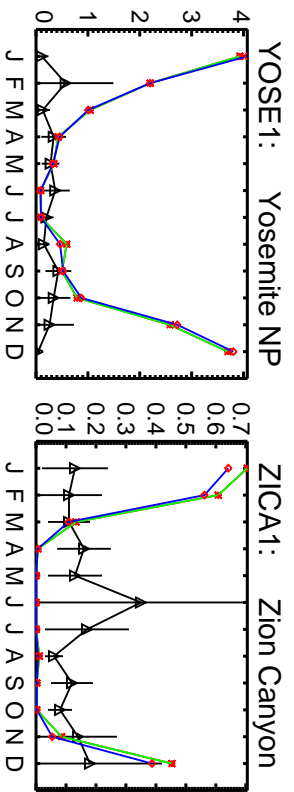
Red: v11-01k-Run0 (2013); Green: v11-01-public-Run0 (2013); Blue: v11-02a (2013)

GEOS-Chem NO₃f [$\mu\text{g m}^{-3}$]



IMPROVE NO₃f [$\mu\text{g m}^{-3}$]

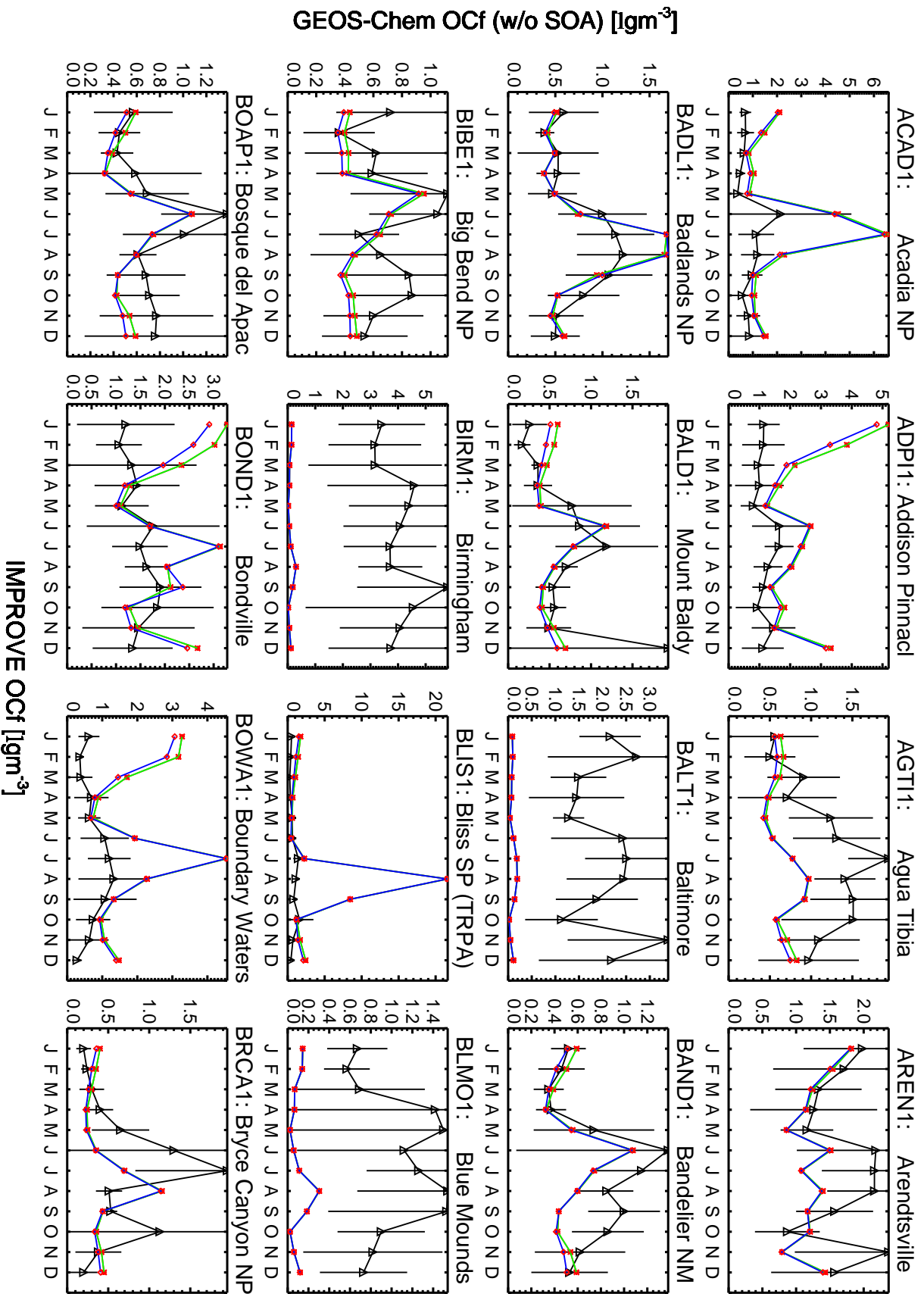
Red: v11-01k-Run0 (2013); Green: v11-01-public-Run0 (2013); Blue: v11-02a (2013)



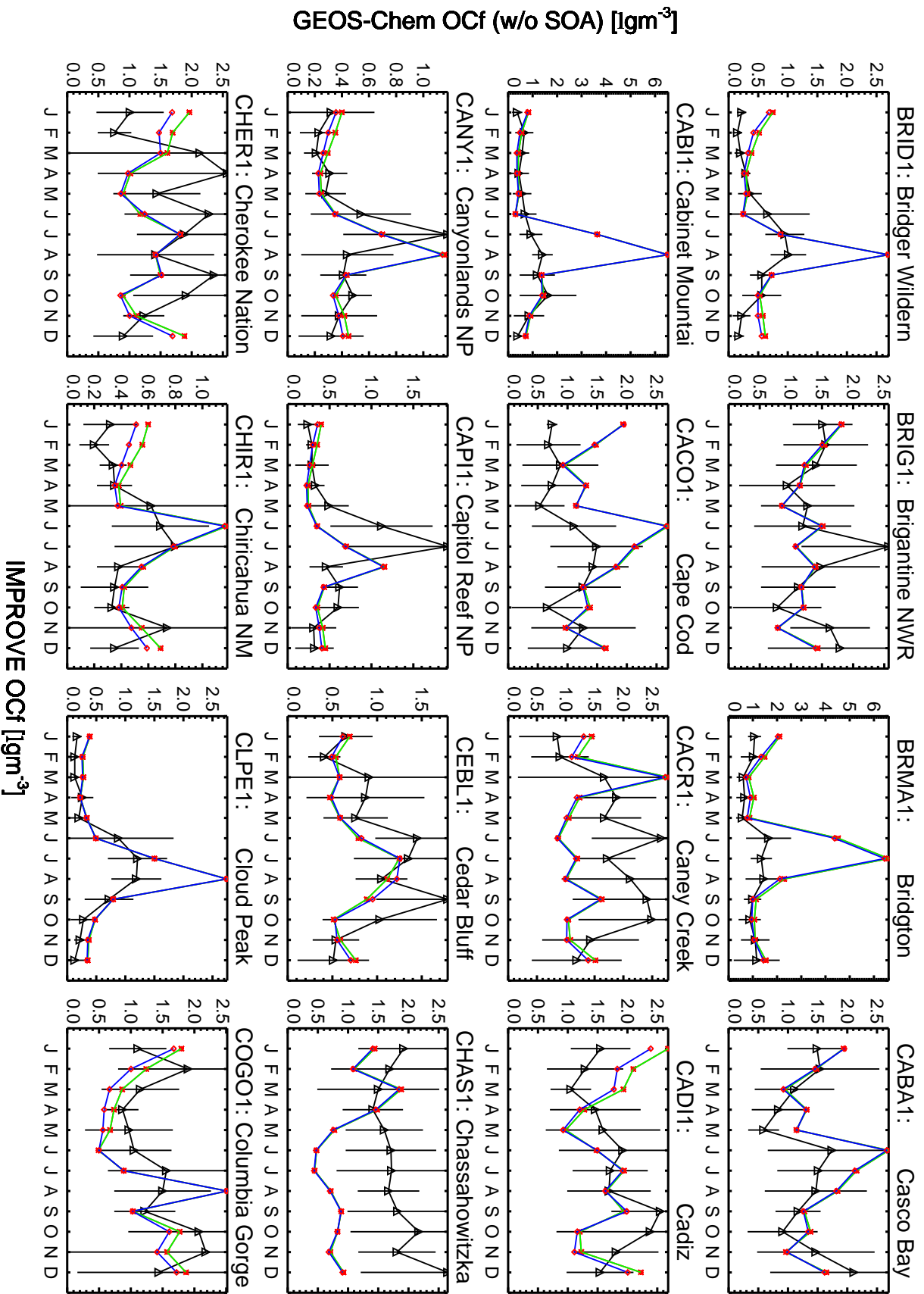
GEOS-Chem NO_3f [$\mu\text{g m}^{-3}$]

IMPROVE NO_3f [$\mu\text{g m}^{-3}$]

Red: v11-01k-Run0 (2013); Green: v11-01-public-Run0 (2013); Blue: v11-02a (2013)

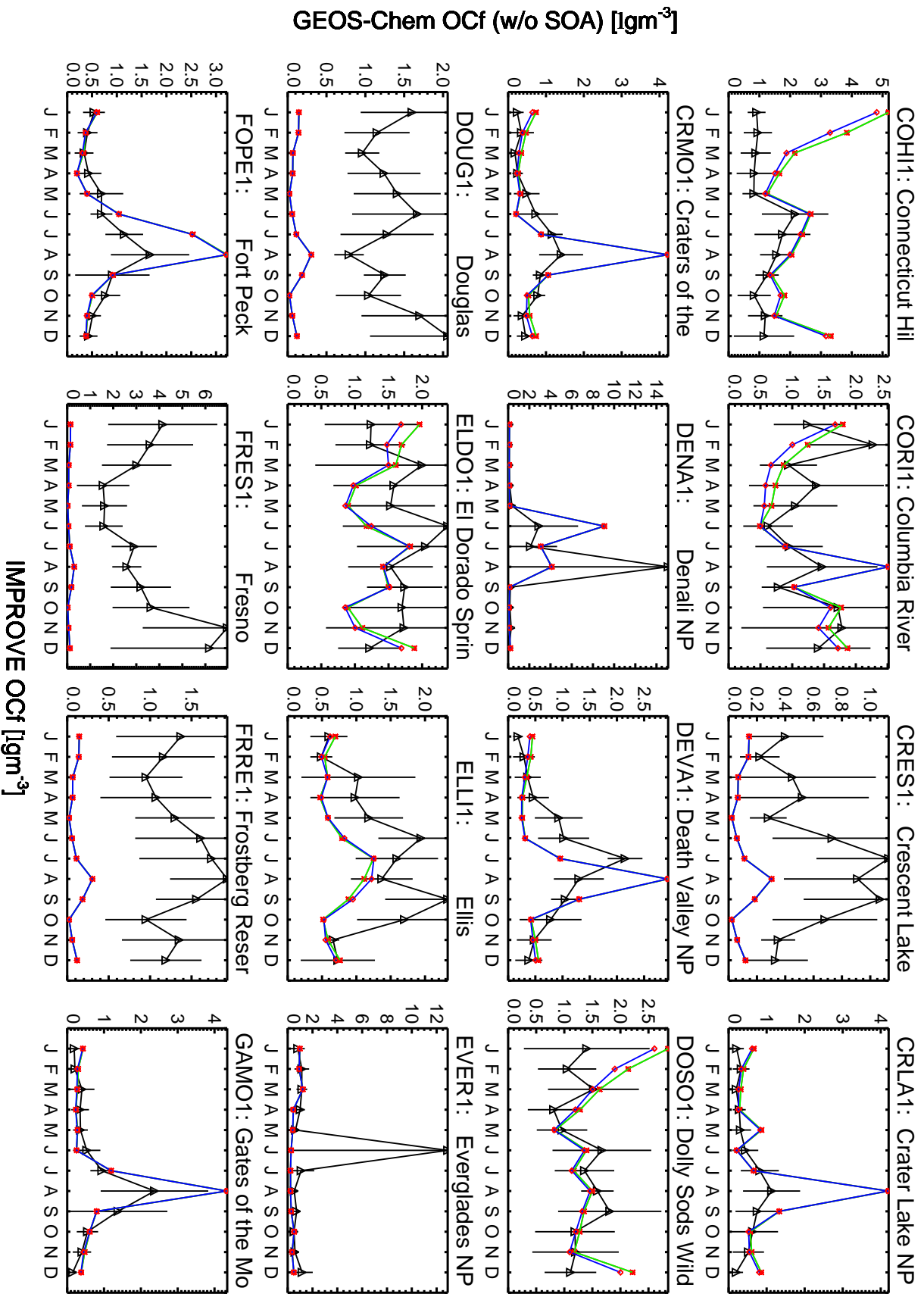


Red: v11-01k-Run0 (2013); Green: v11-01-public-Run0 (2013); Blue: v11-02a (2013)

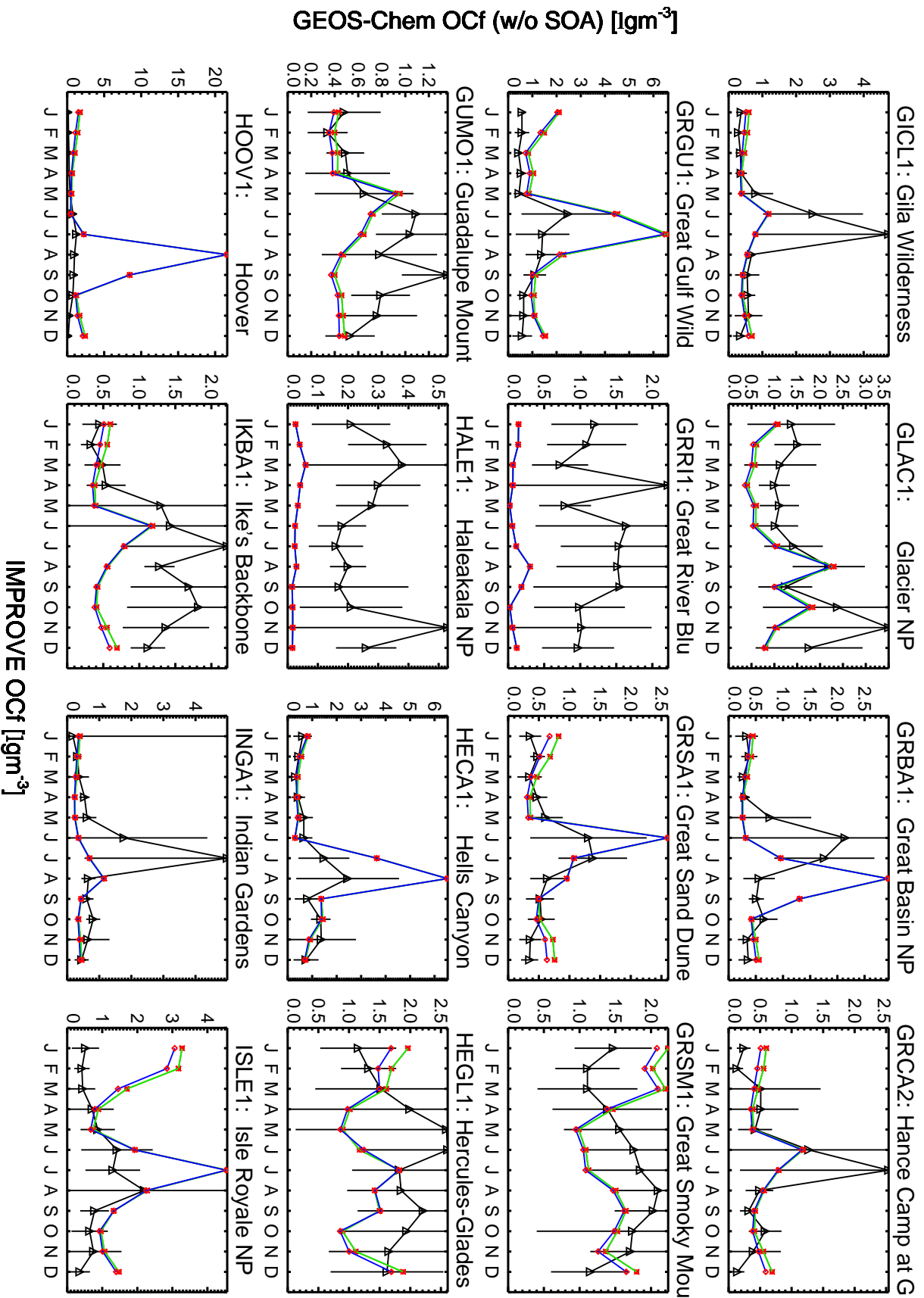


IMPROVE OCf [$\mu\text{g m}^{-3}$]

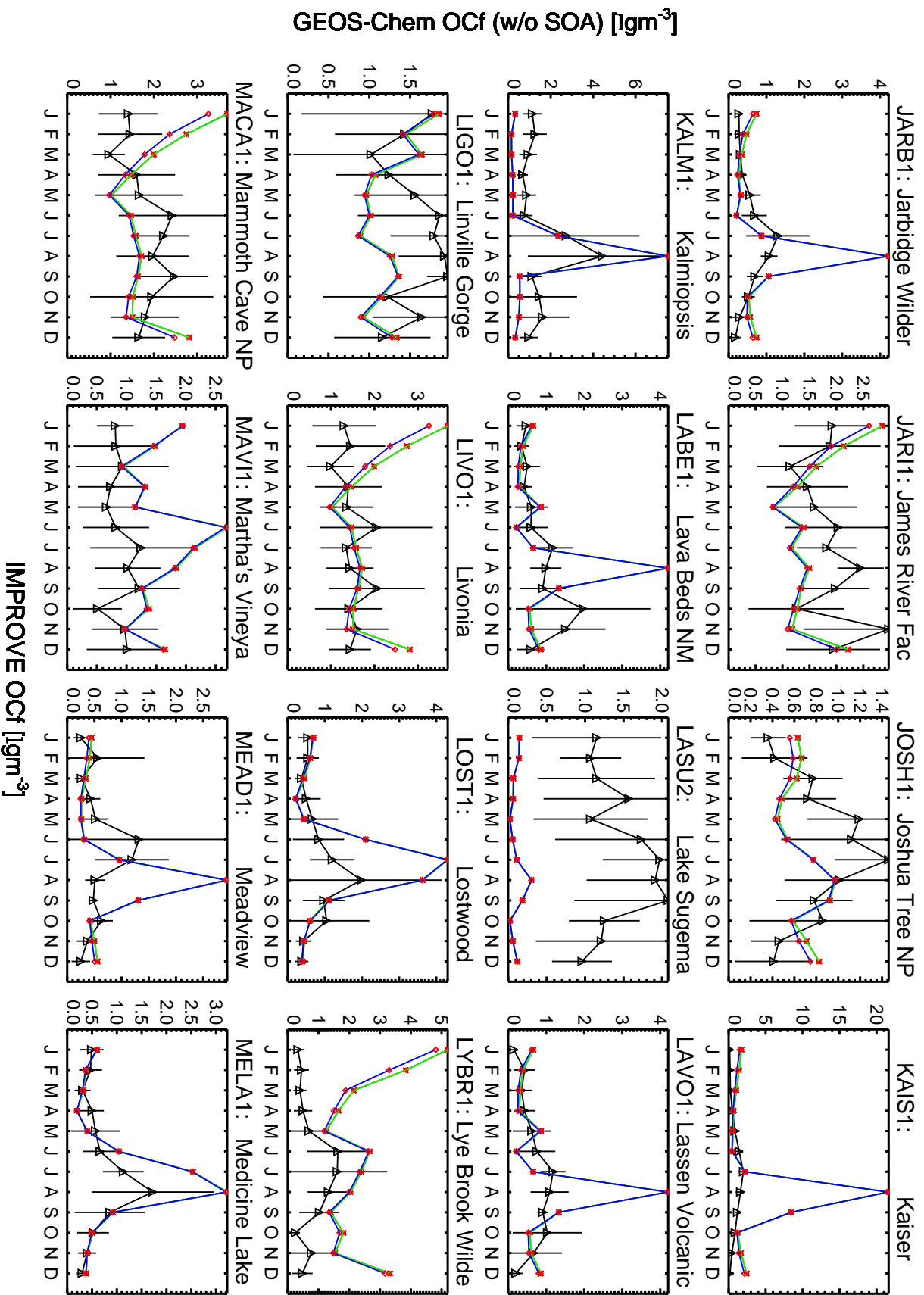
Red: v11-01k-Run0 (2013); Green: v11-01-public-Run0 (2013); Blue: v11-02a (2013)



Red: v11-01k-Run0 (2013); Green: v11-01-public-Run0 (2013); Blue: v11-02a (2013)

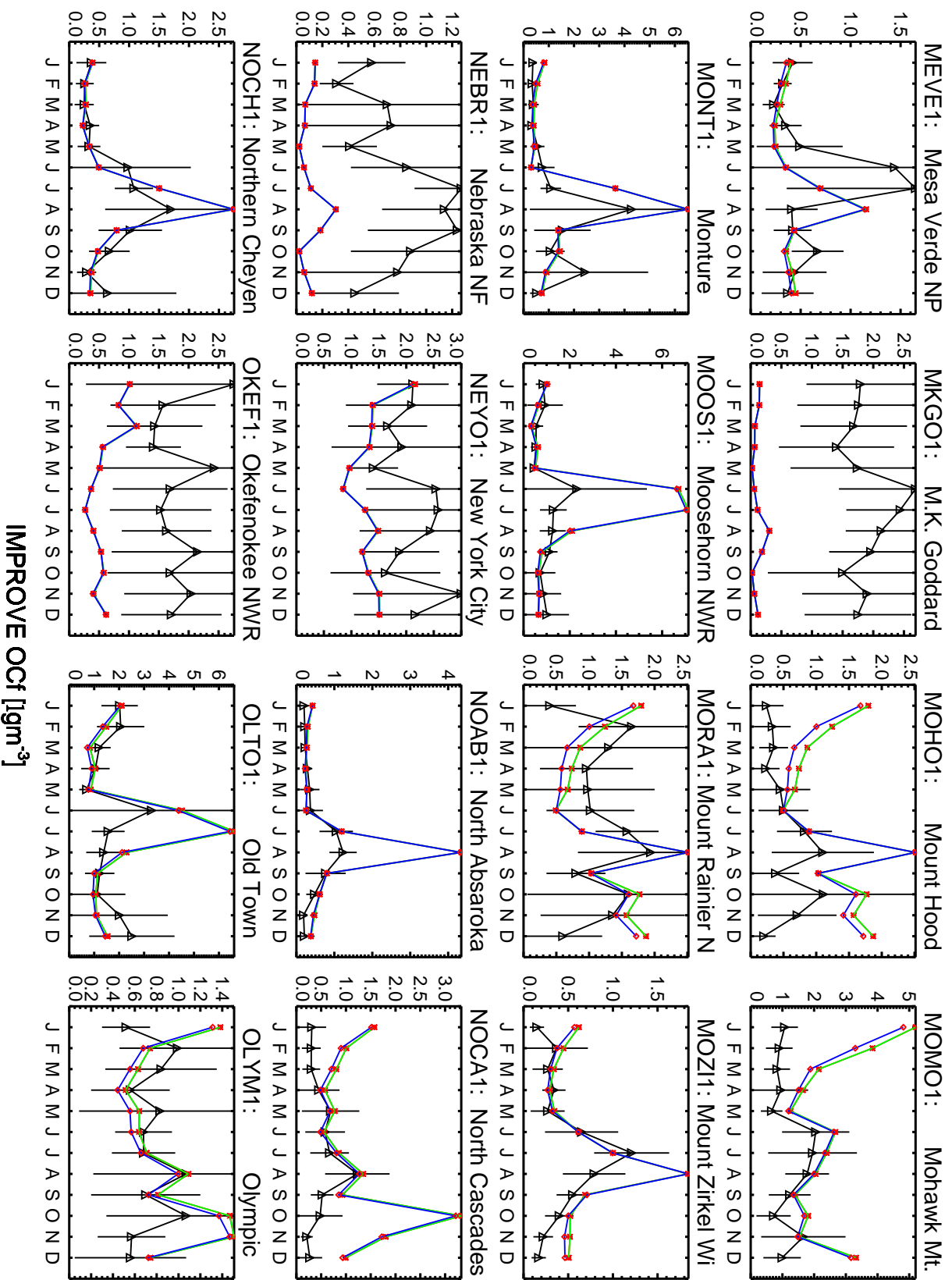


Red: v11-01k-Run0 (2013); Green: v11-01-public-Run0 (2013); Blue: v11-02a (2013)



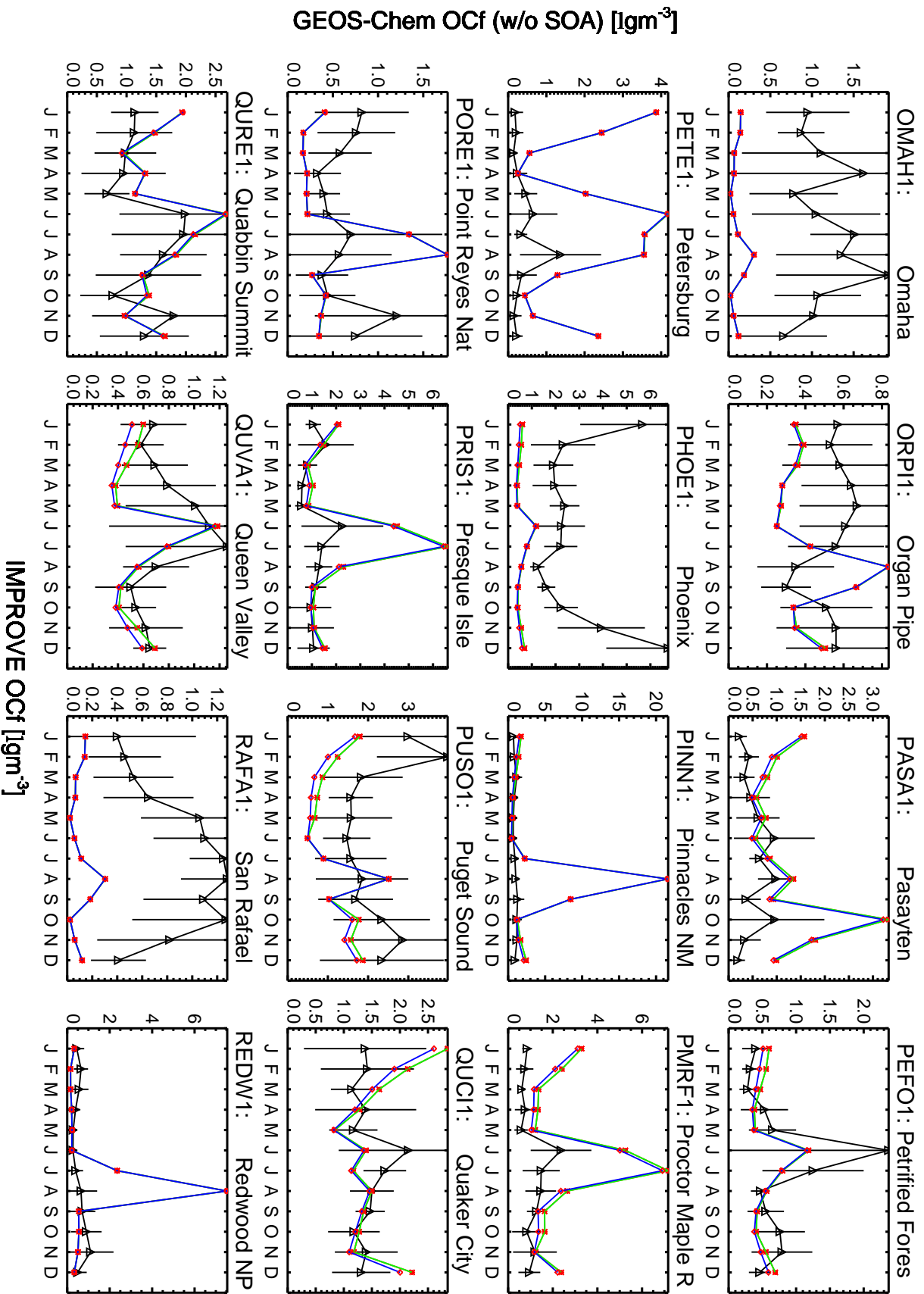
Red: v11-01k-Run0 (2013); Green: v11-01-public-Run0 (2013); Blue: v11-02a (2013)

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

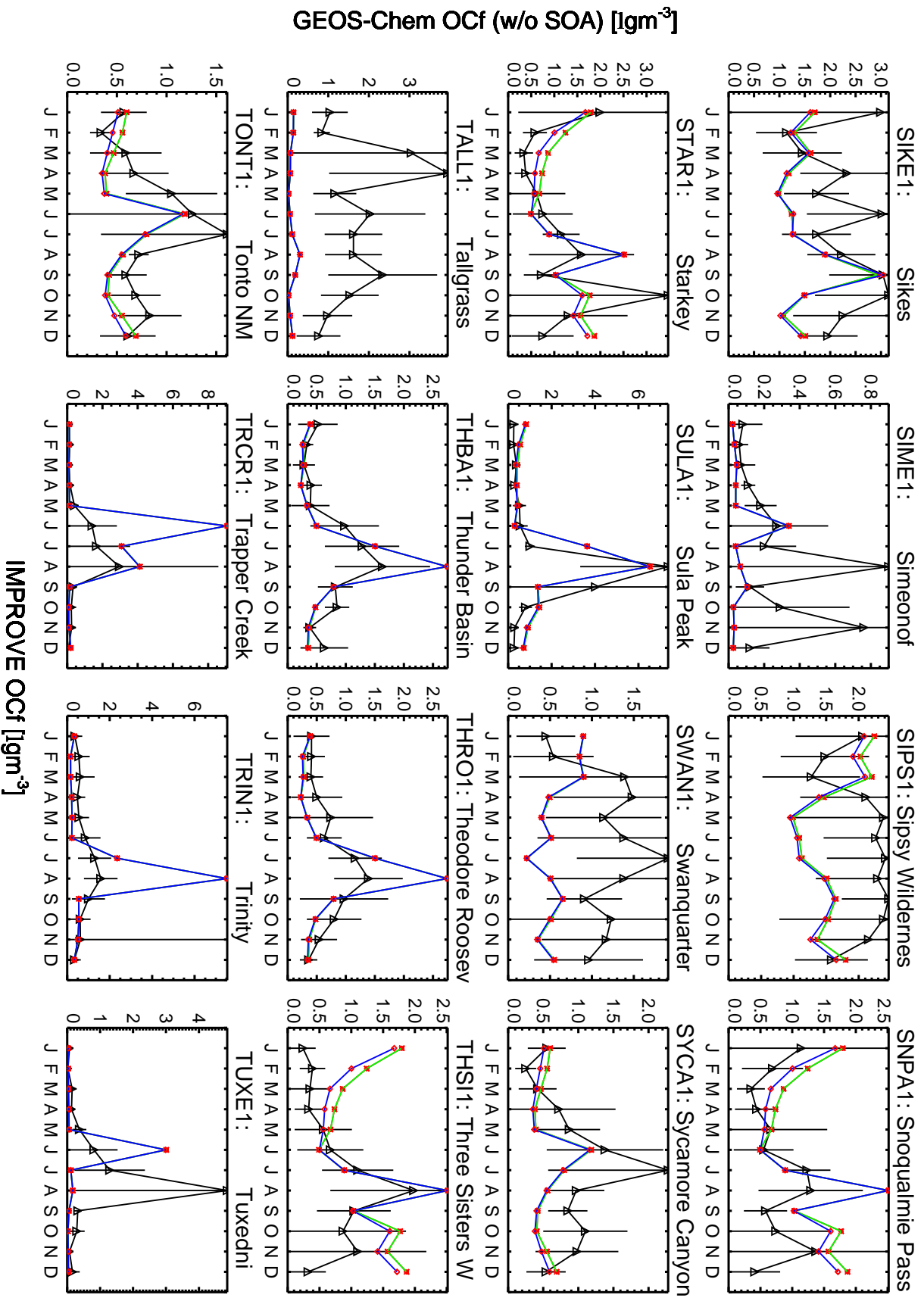


IMPROVE OCf [$\mu\text{g m}^{-3}$]

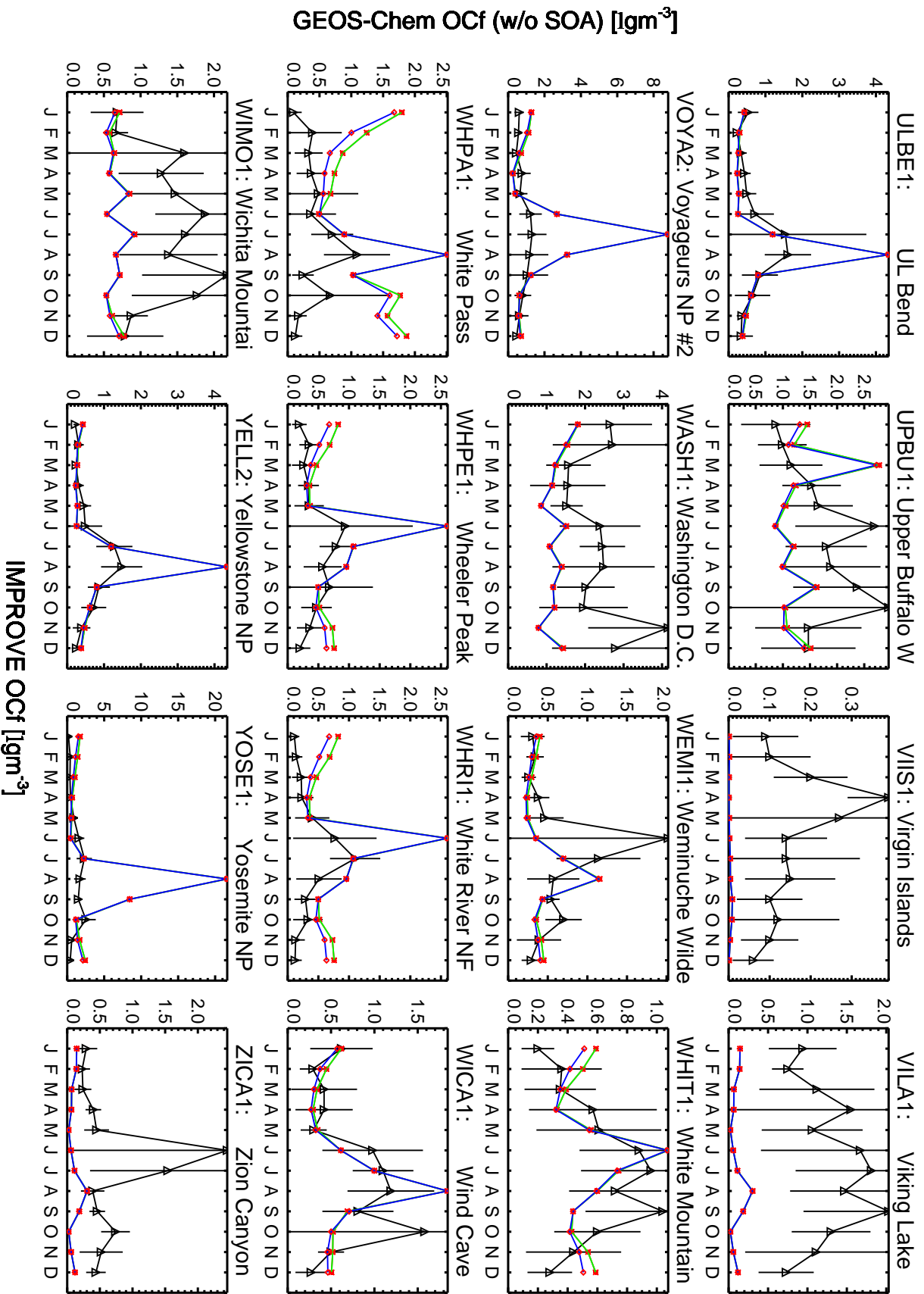
Red: v11-01k-Run0 (2013); Green: v11-01-public-Run0 (2013); Blue: v11-02a (2013)



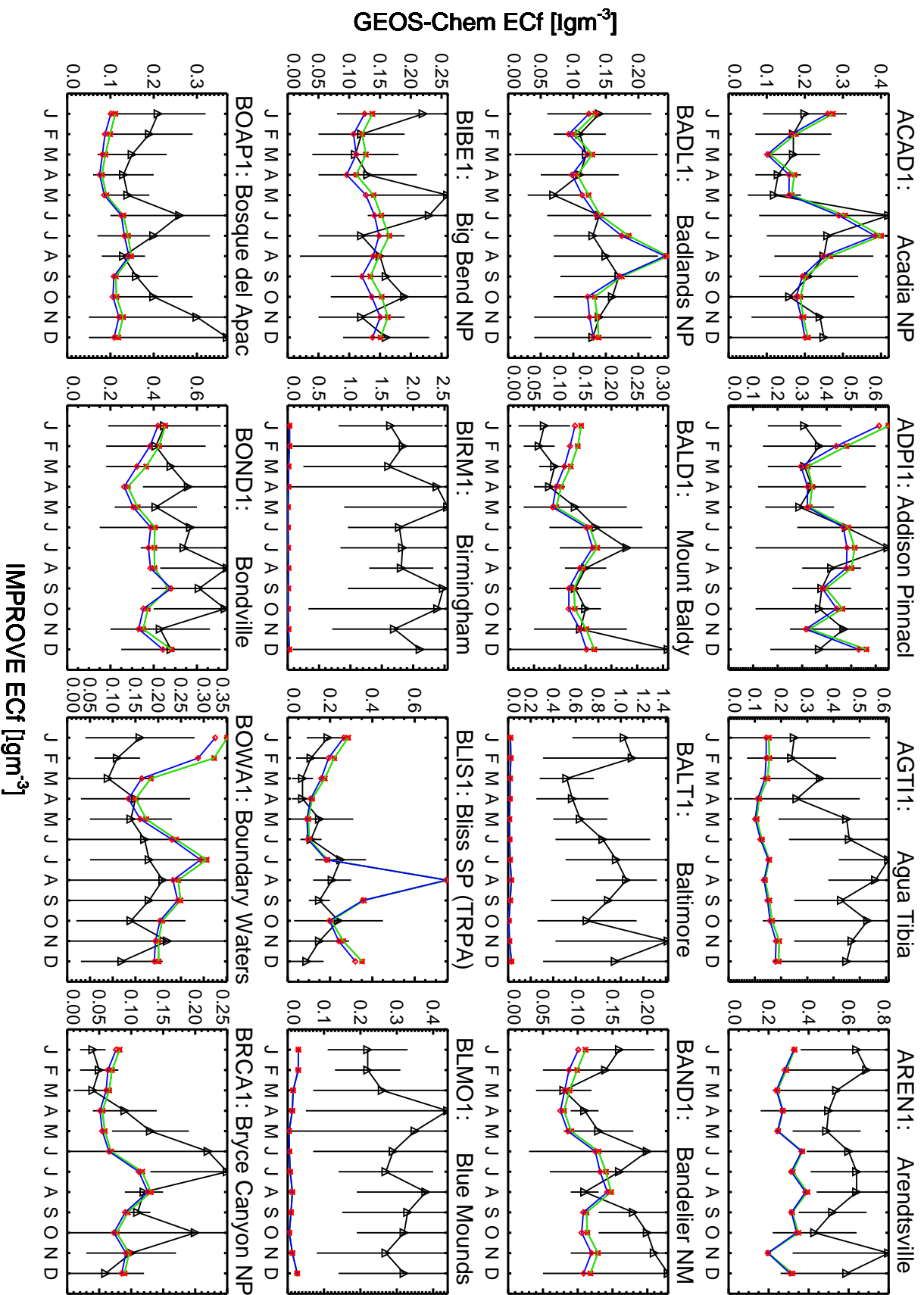
Red: v11-01k-Run0 (2013); Green: v11-01-public-Run0 (2013); Blue: v11-02a (2013)



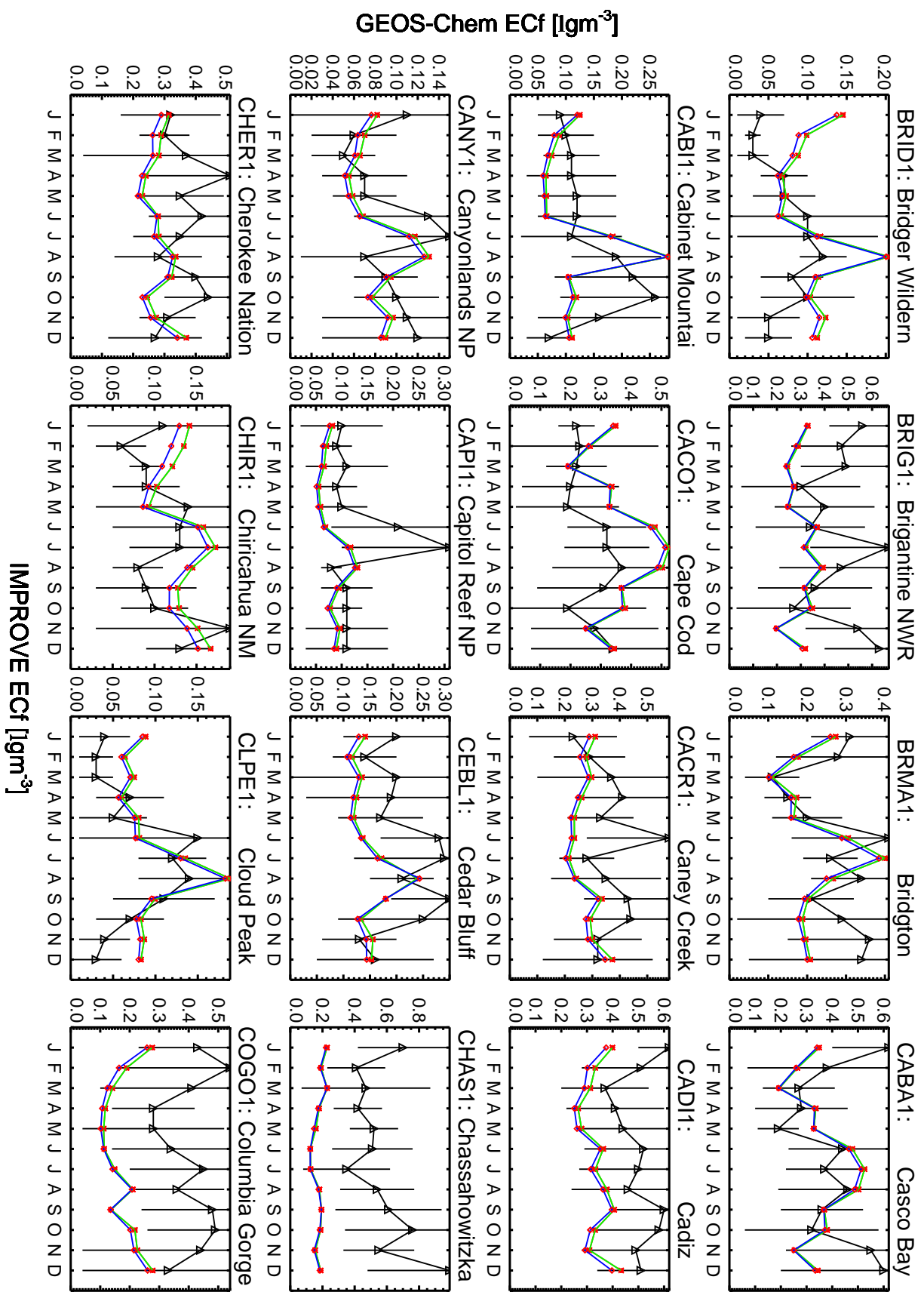
Red: v11-01k-Run0 (2013); Green: v11-01-public-Run0 (2013); Blue: v11-02a (2013)



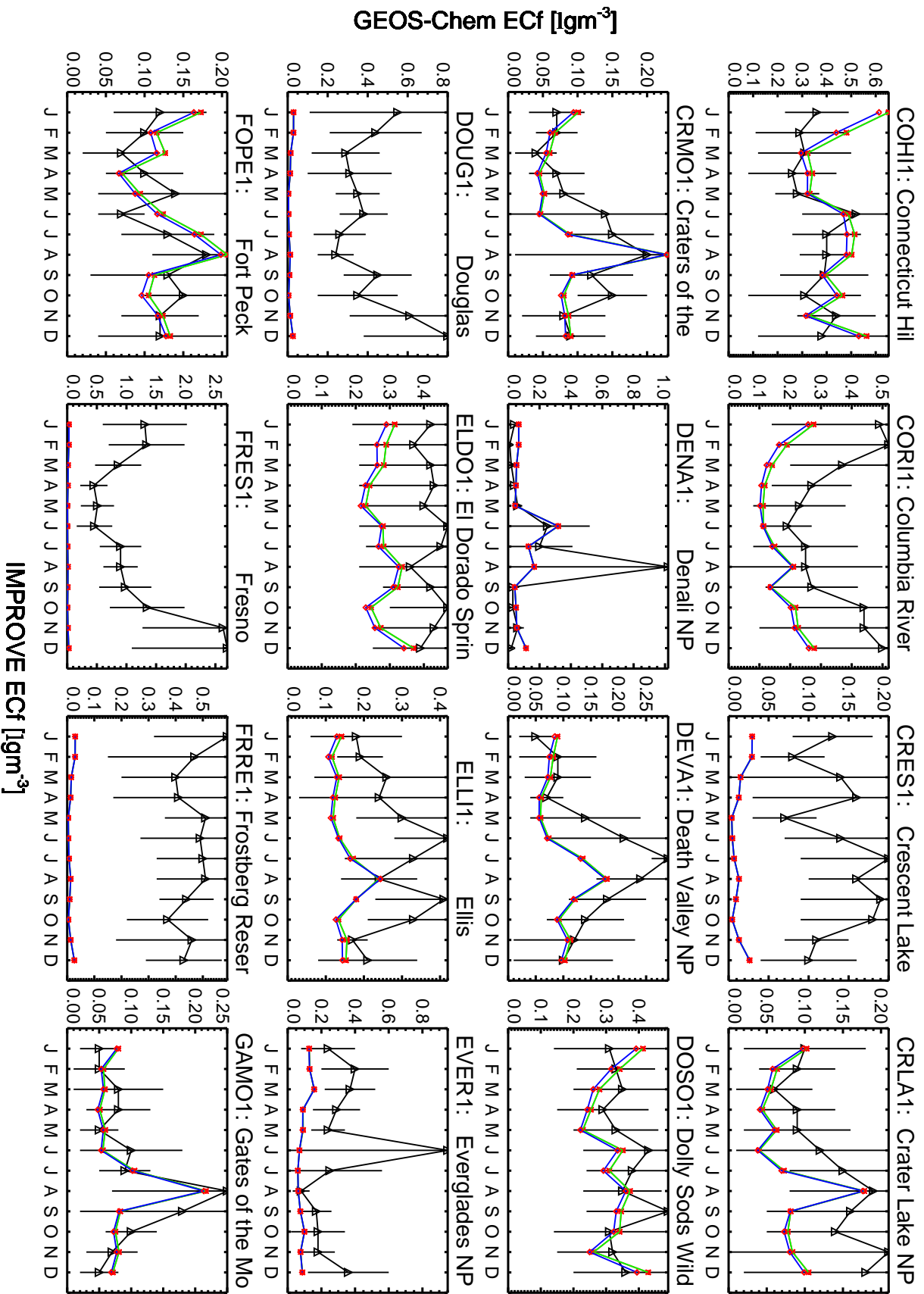
Red: v11-01k-Run0 (2013); Green: v11-01-public-Run0 (2013); Blue: v11-02a (2013)



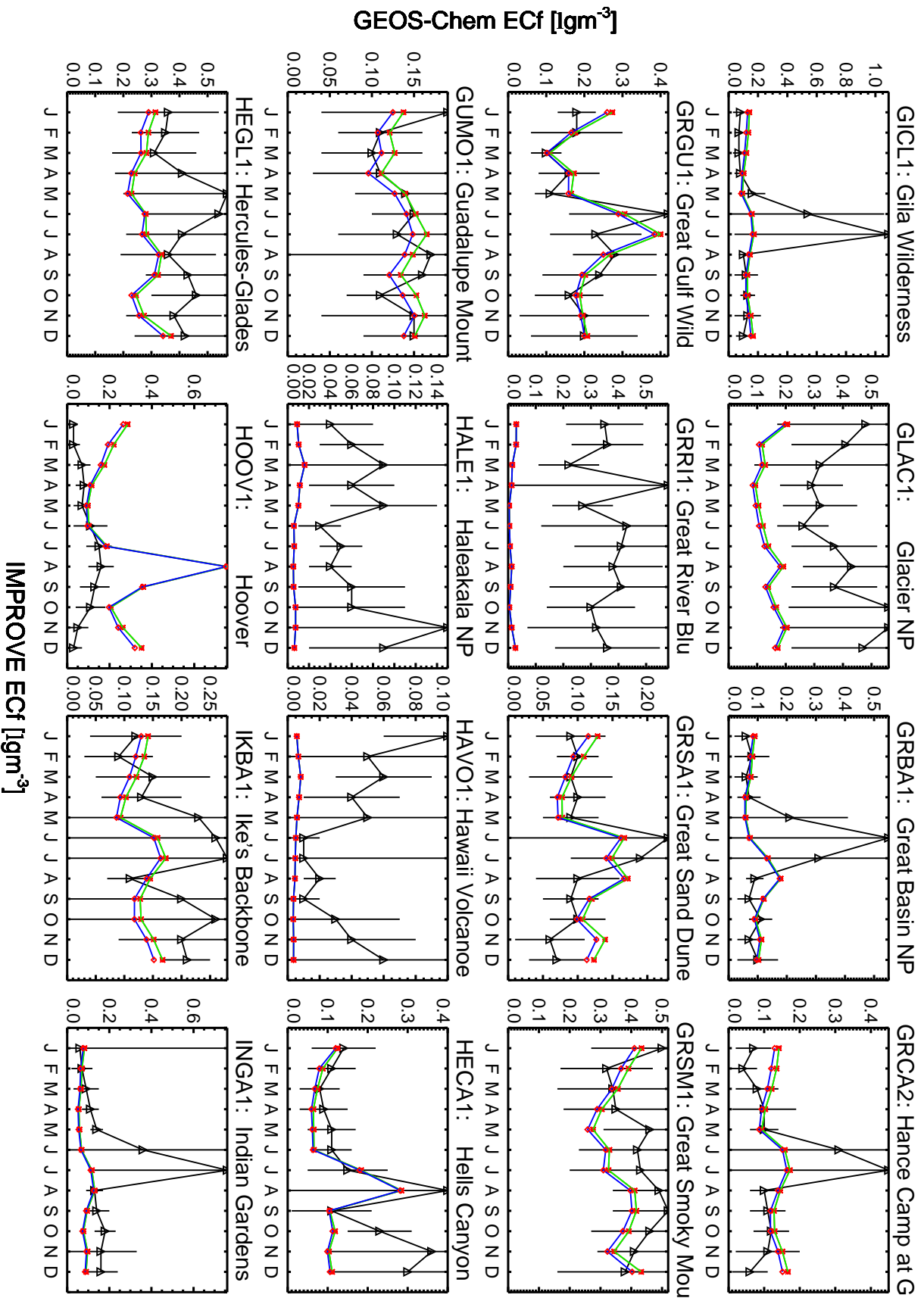
Red: v11-01k-Run0 (2013); Green: v11-01-public-Run0 (2013); Blue: v11-02a (2013)



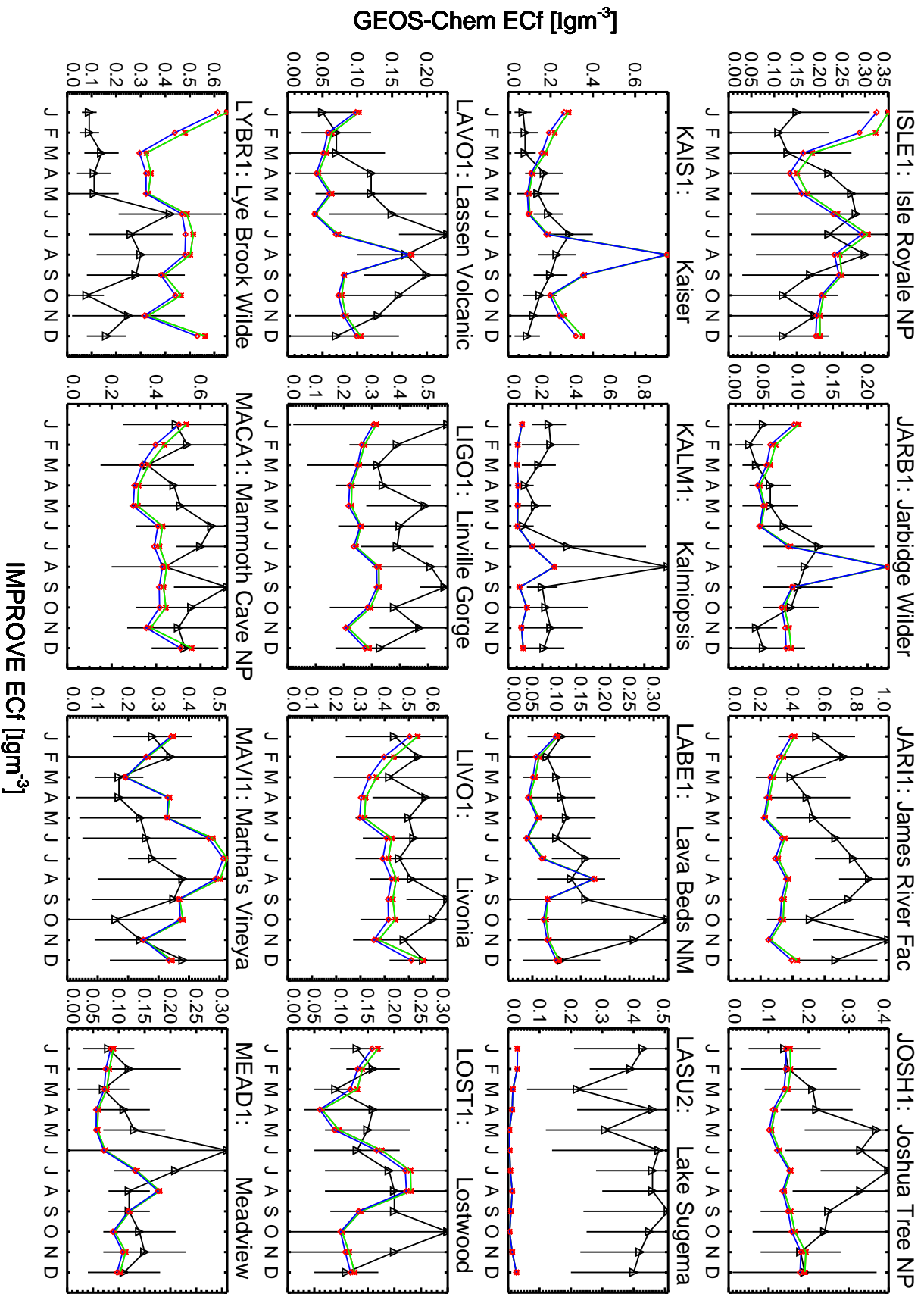
Red: v11-01k-Run0 (2013); Green: v11-01-public-Run0 (2013); Blue: v11-02a (2013)



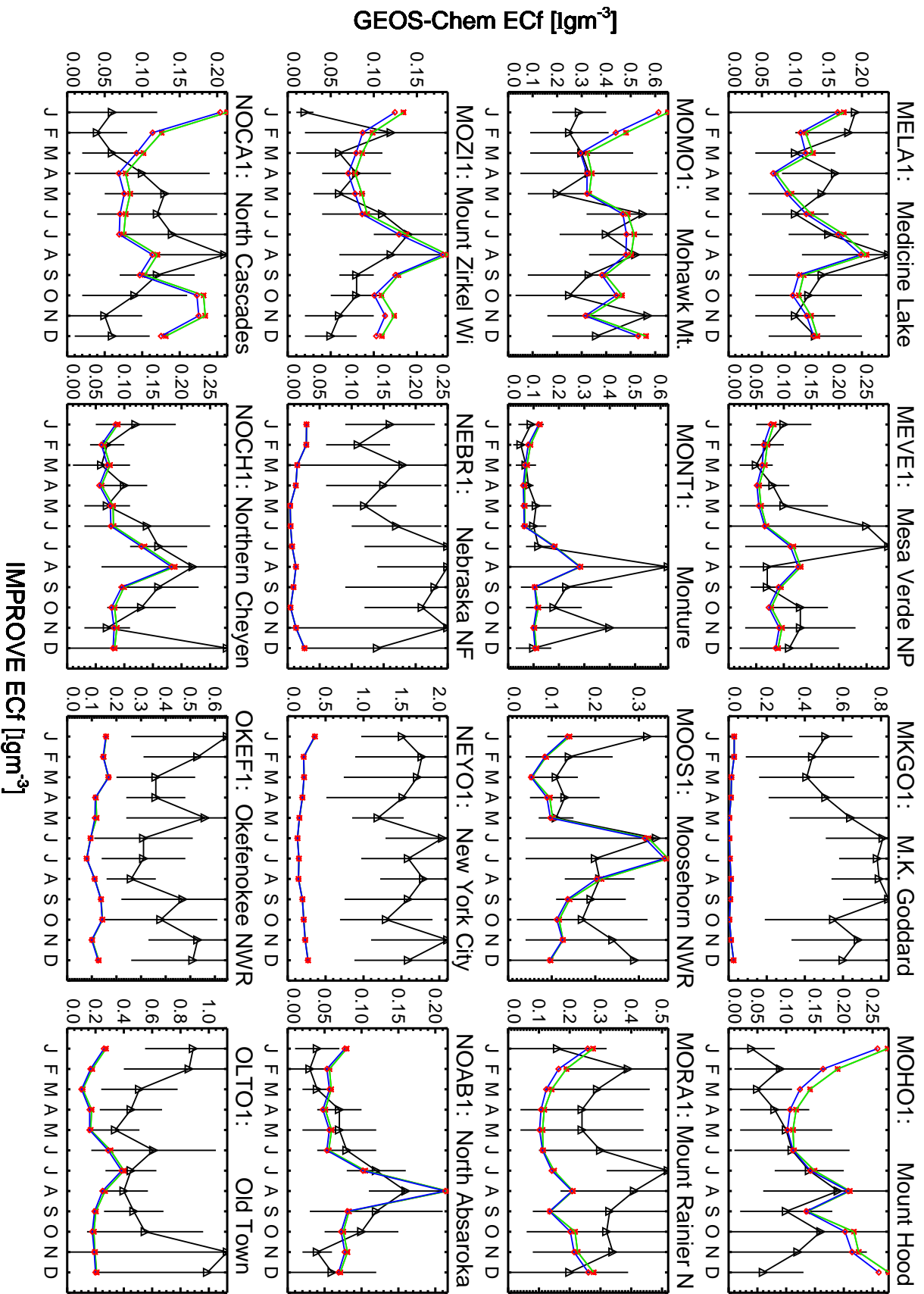
Red: v11-01k-Run0 (2013); Green: v11-01-public-Run0 (2013); Blue: v11-02a (2013)



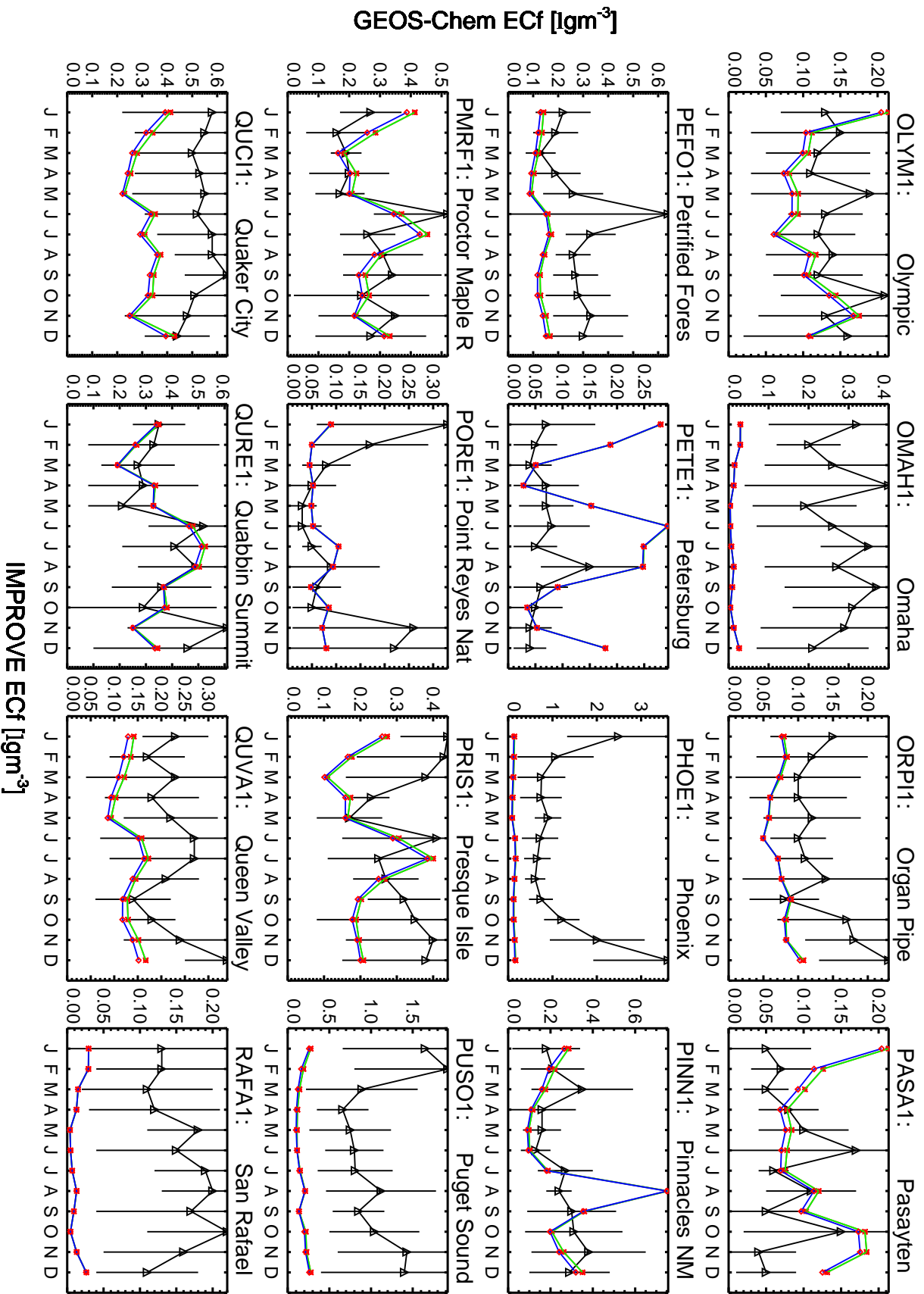
Red: v11-01k-Run0 (2013); Green: v11-01-public-Run0 (2013); Blue: v11-02a (2013)



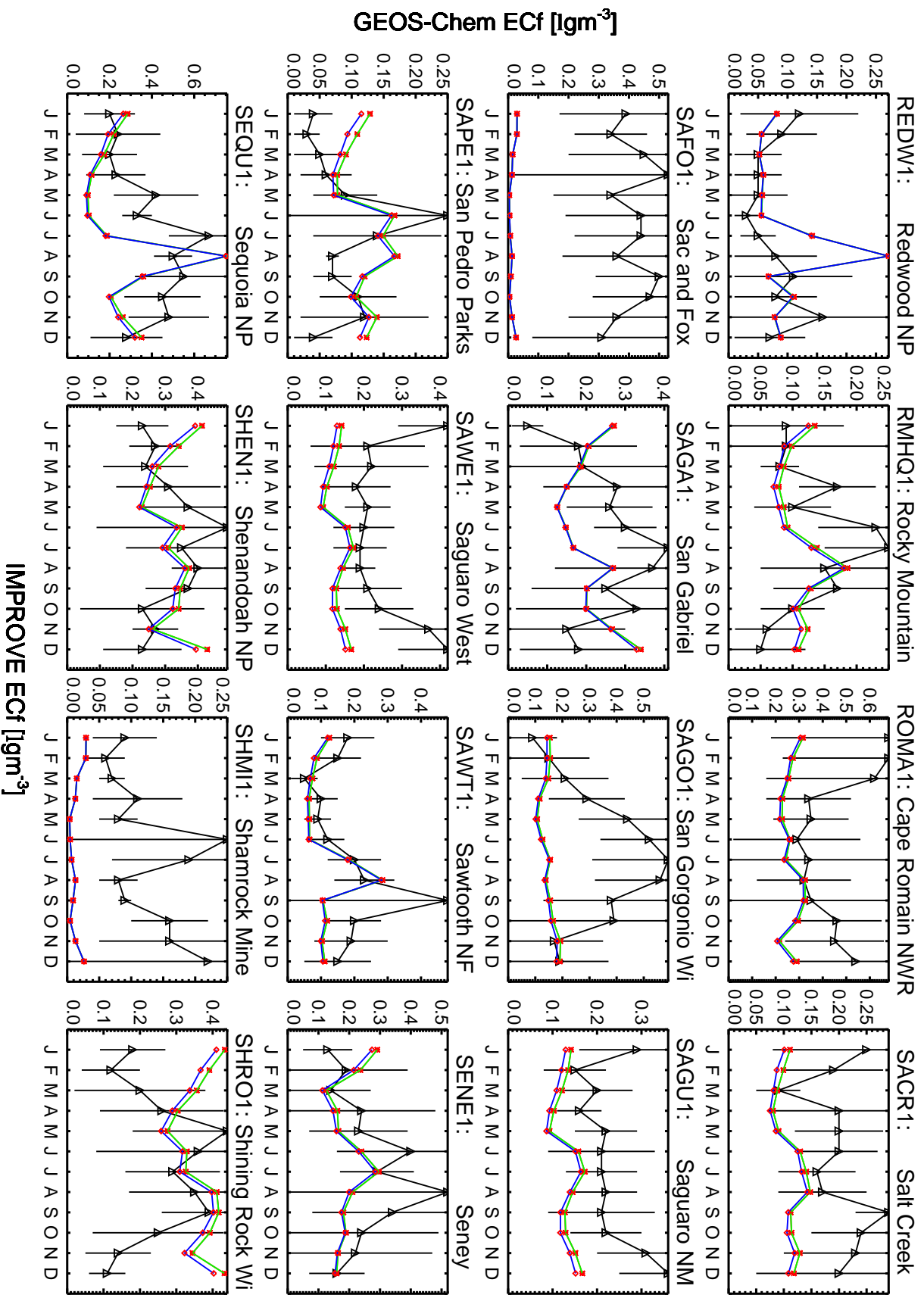
Red: v11-01k-Run0 (2013); Green: v11-01-public-Run0 (2013); Blue: v11-02a (2013)



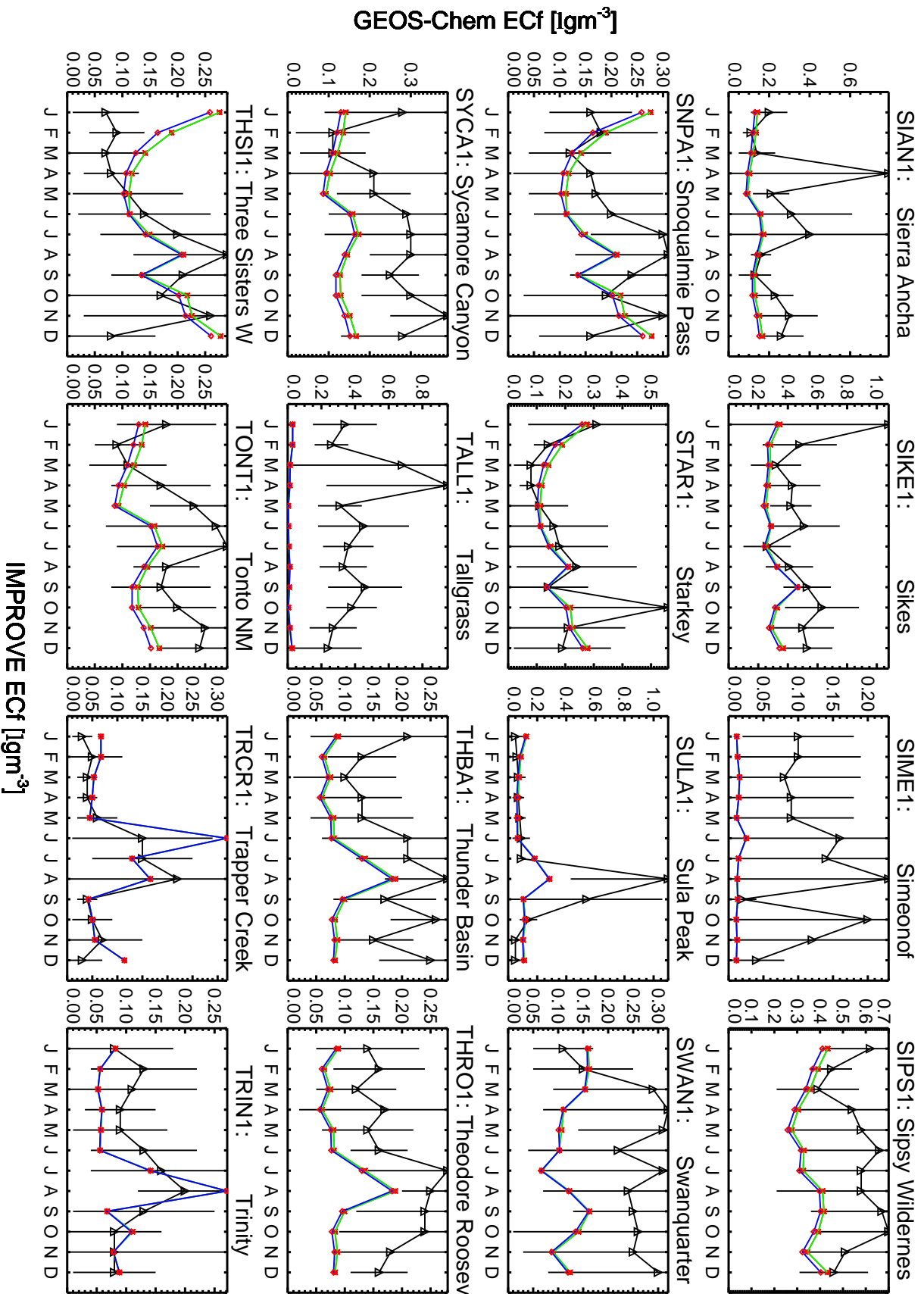
Red: v11-01k-Run0 (2013); Green: v11-01-public-Run0 (2013); Blue: v11-02a (2013)



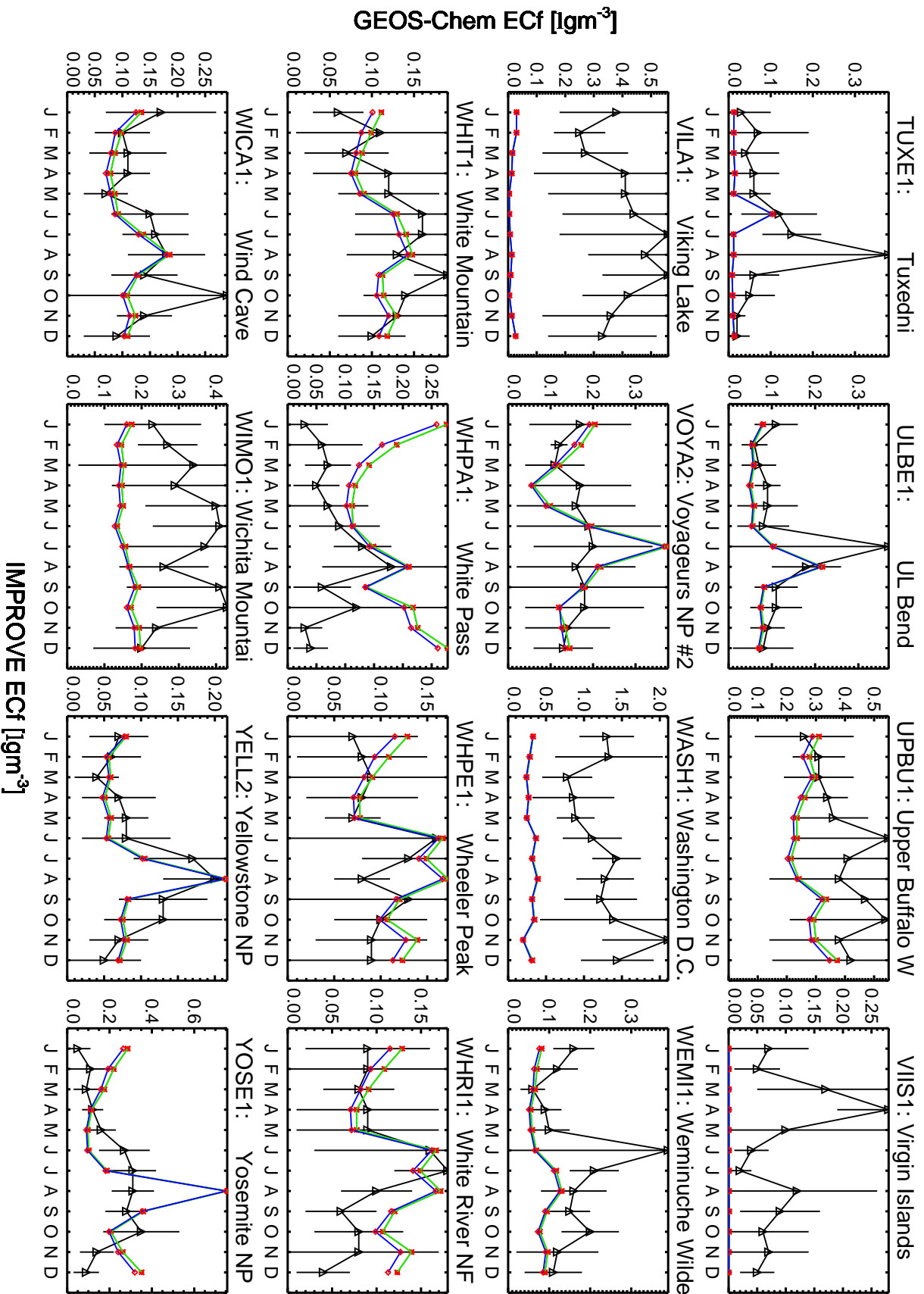
Red: v11-01k-Run0 (2013); Green: v11-01-public-Run0 (2013); Blue: v11-02a (2013)



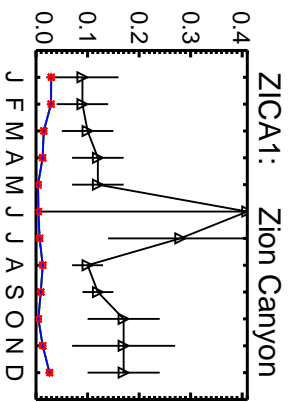
Red: v11-01k-Run0 (2013); Green: v11-01-public-Run0 (2013); Blue: v11-02a (2013)



Red: v11-01k-Run0 (2013); Green: v11-01-public-Run0 (2013); Blue: v11-02a (2013)



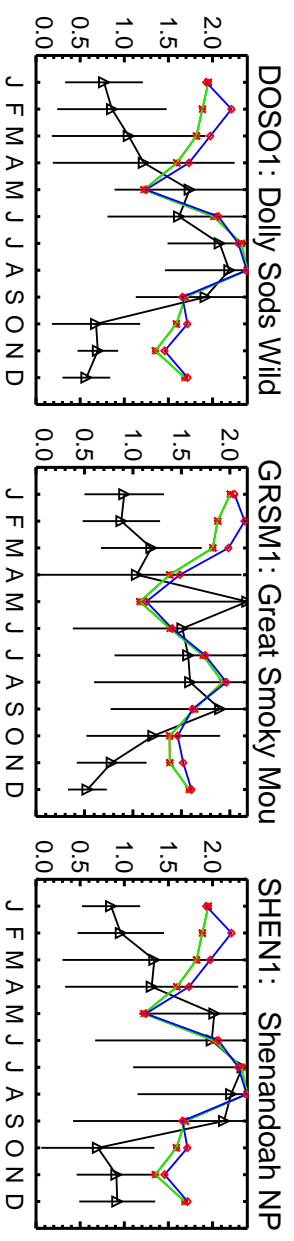
Red: v11-01k-Run0 (2013); Green: v11-01-public-Run0 (2013); Blue: v11-02a (2013)



GEOS-Chem ECf [lgm⁻³]

IMPROVE ECf [lgm⁻³]

Red: v11-01k-Run0 (2013); Green: v11-01-public-Run0 (2013); Blue: v11-02a (2013)



GEOS-Chem NH4f [$1\mu\text{g m}^{-3}$]

IMPROVE NH4f [$1\mu\text{g m}^{-3}$]