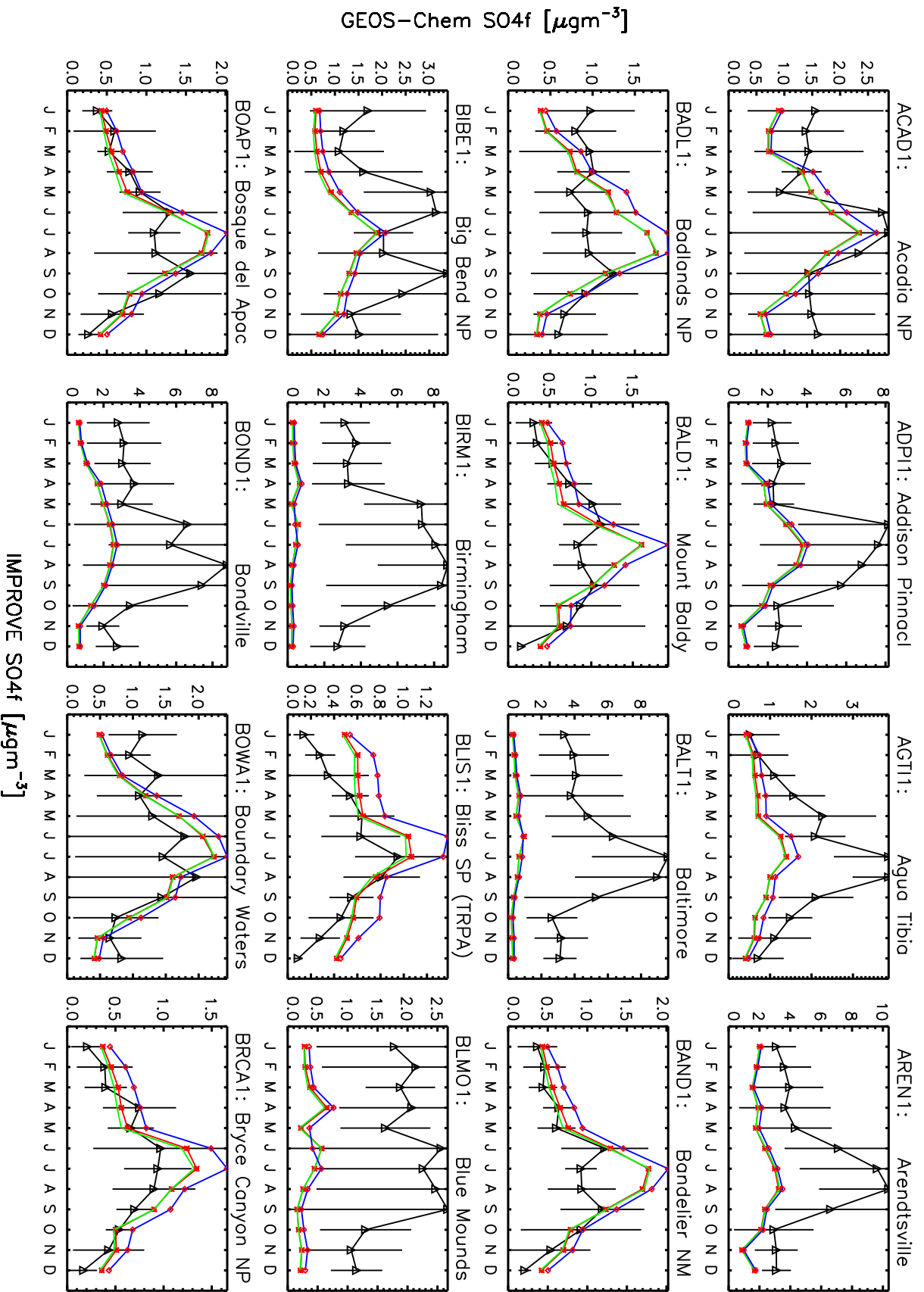
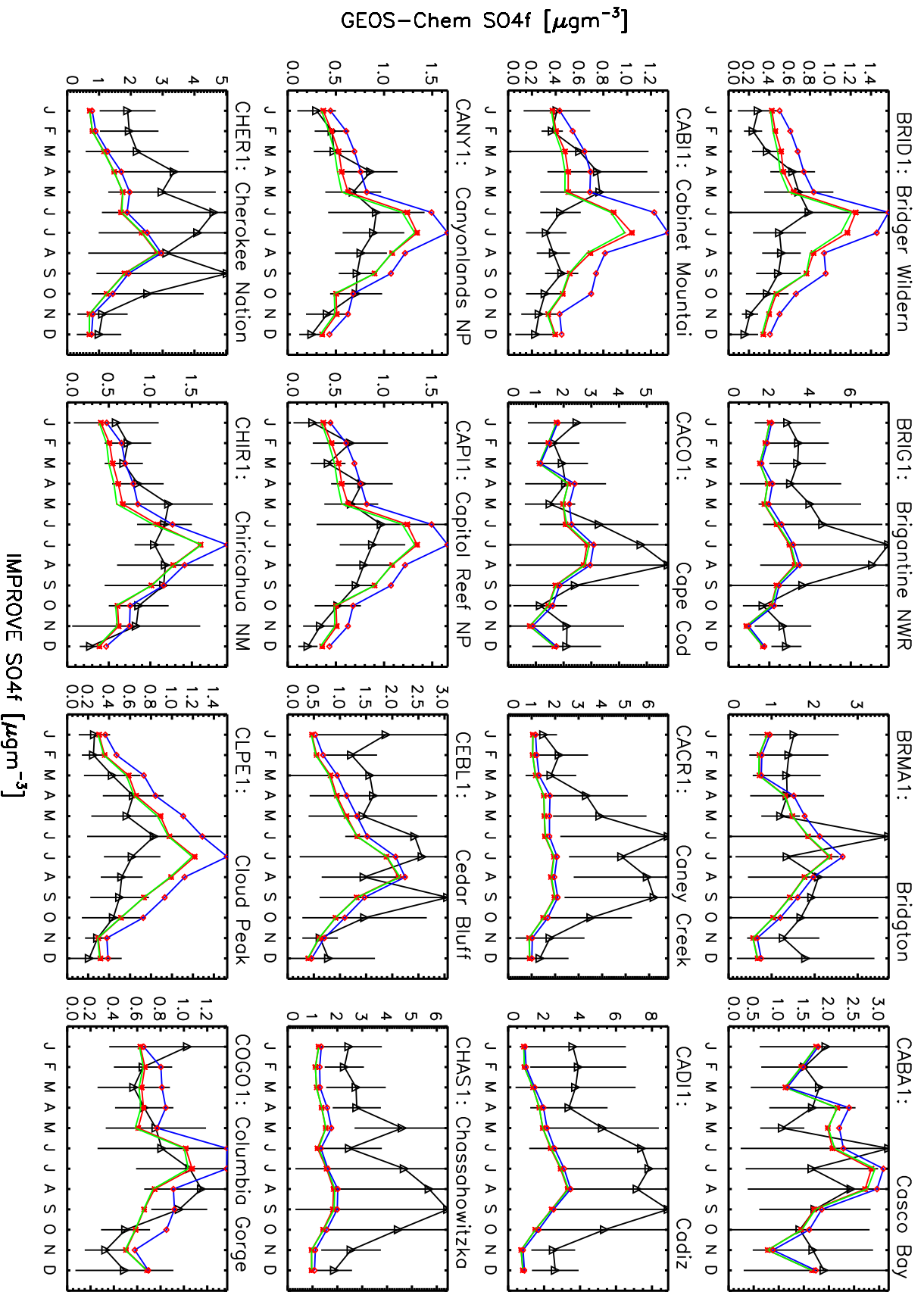


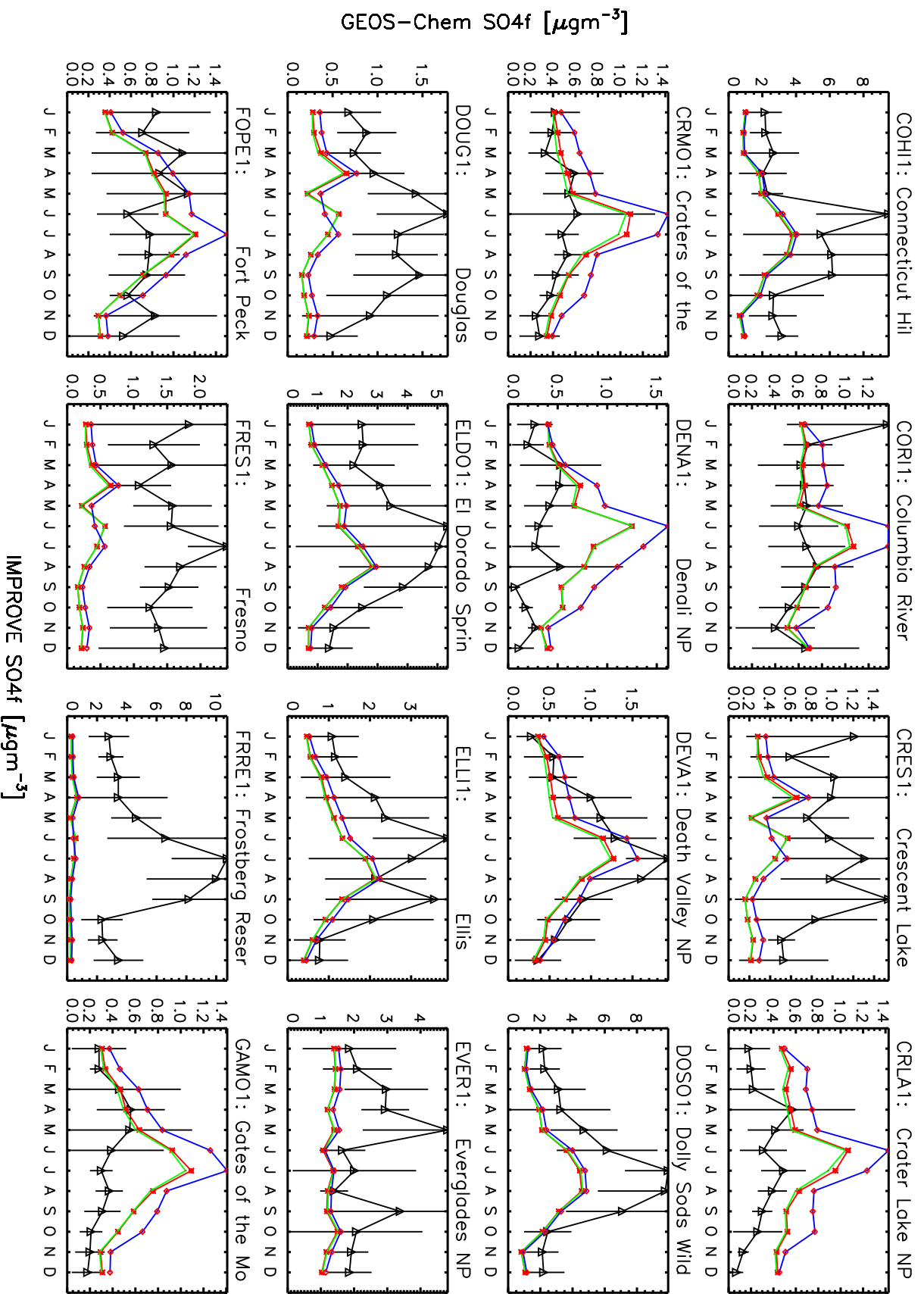
Red: v10-01-public-Run0 (2013); Green: v11-01b-Run0 (2013); Blue: v11-01d-Run0 (2013)



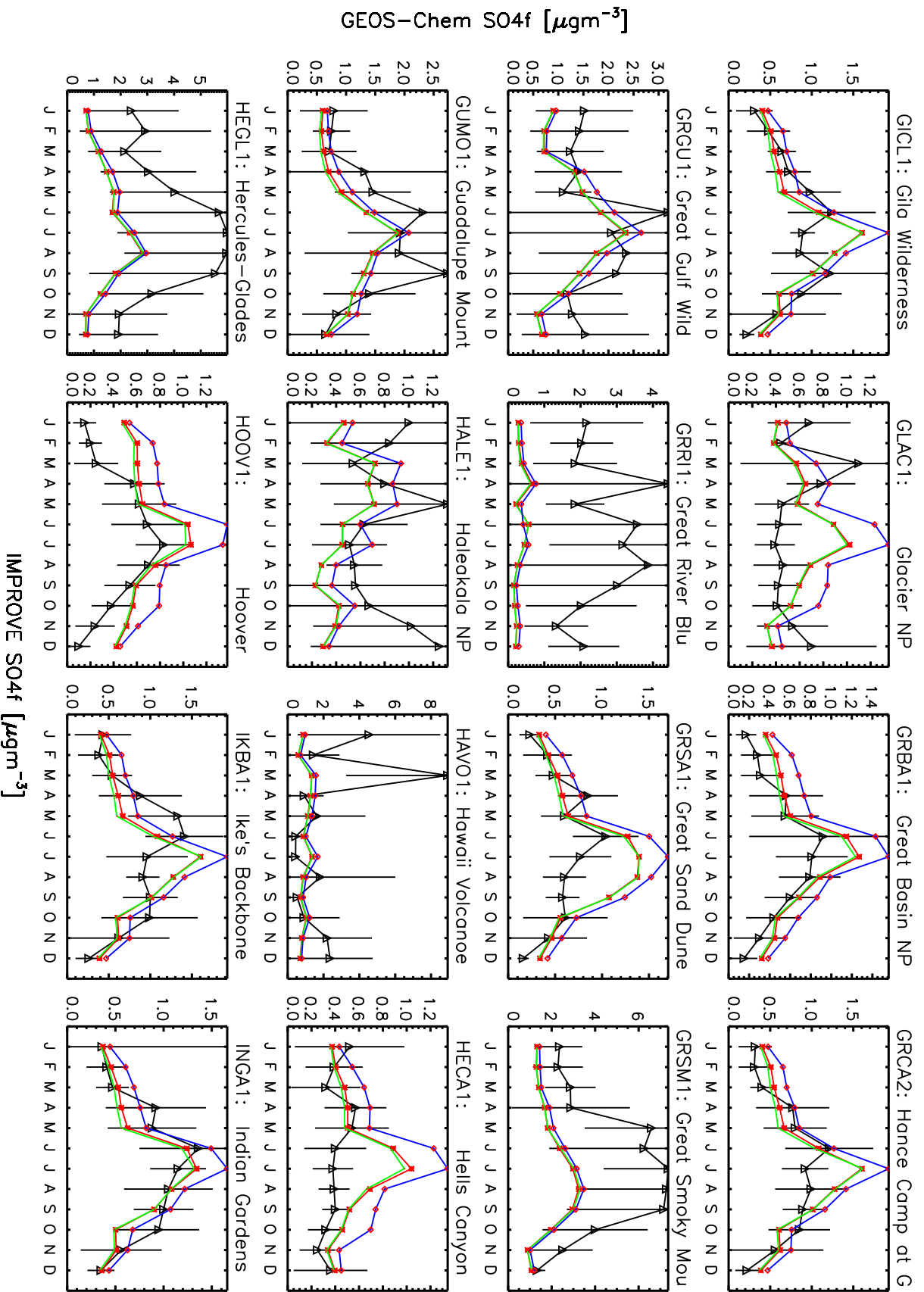
Red: v10-01-public-Run0 (2013); Green: v11-01b-Run0 (2013); Blue: v11-01d-Run0 (2013)



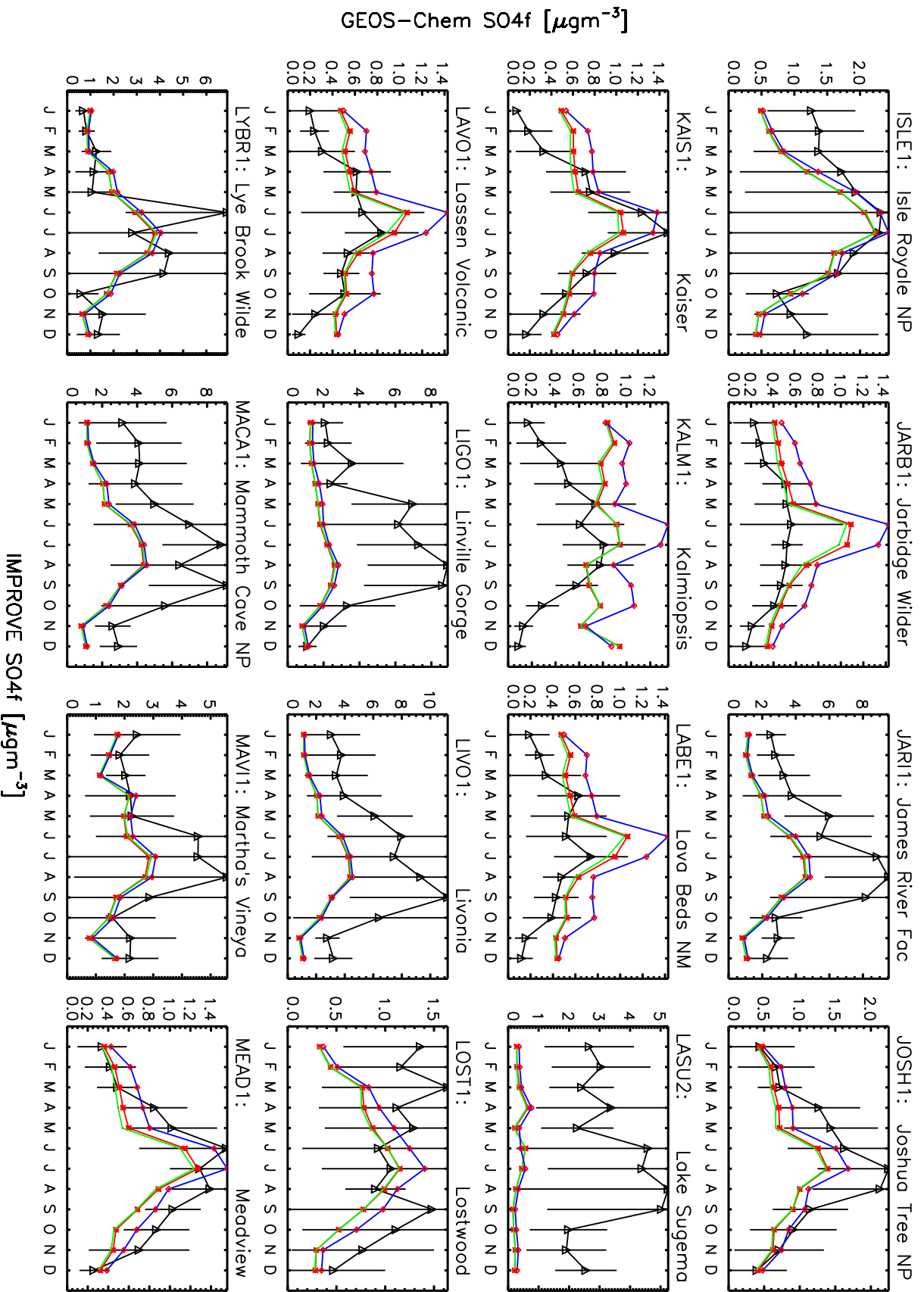
Red: v10-01-public-Run0 (2013); Green: v11-01b-Run0 (2013); Blue: v11-01d-Run0 (2013)



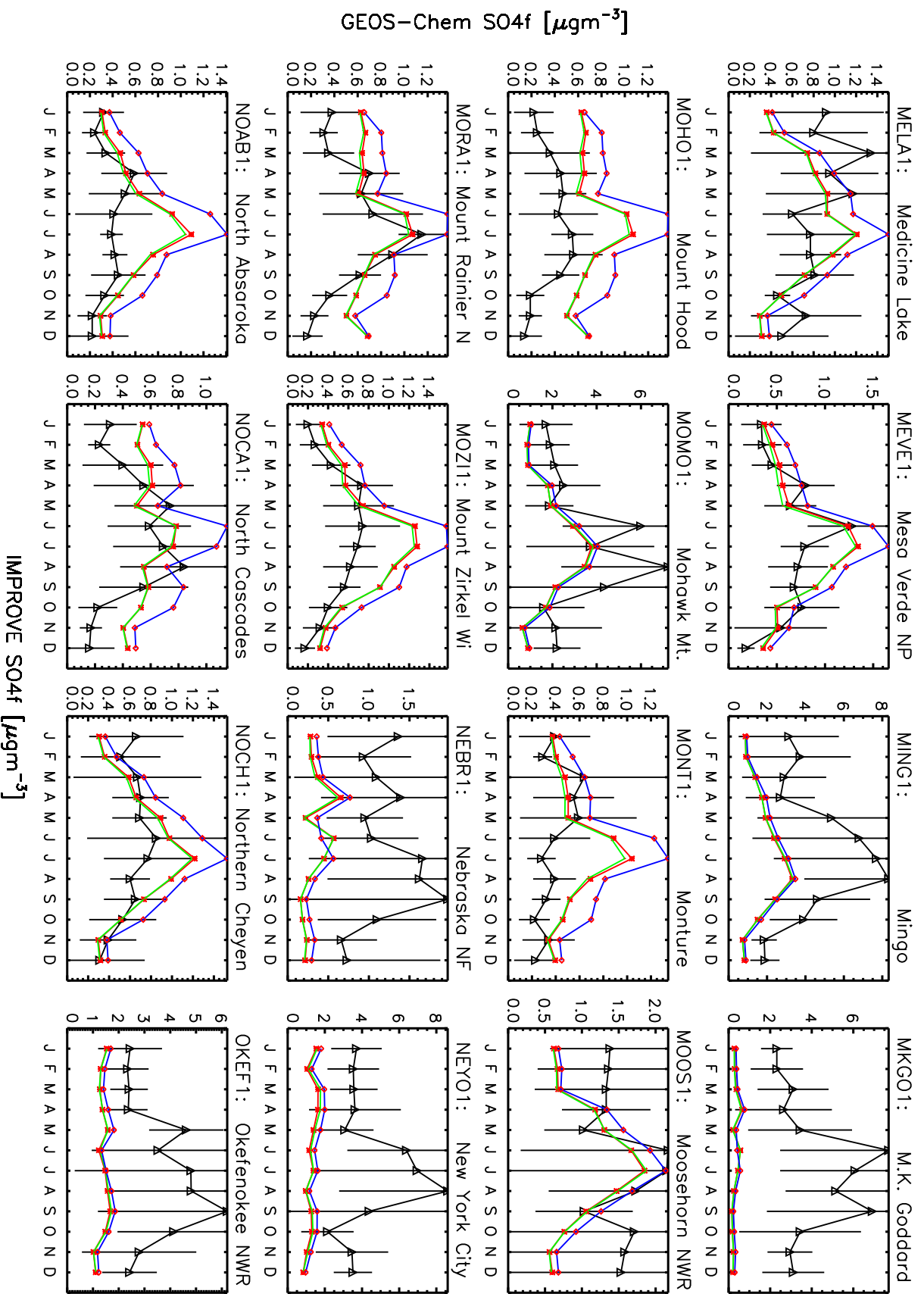
Red: v10-01-public-Run0 (2013); Green: v11-01b-Run0 (2013); Blue: v11-01d-Run0 (2013)



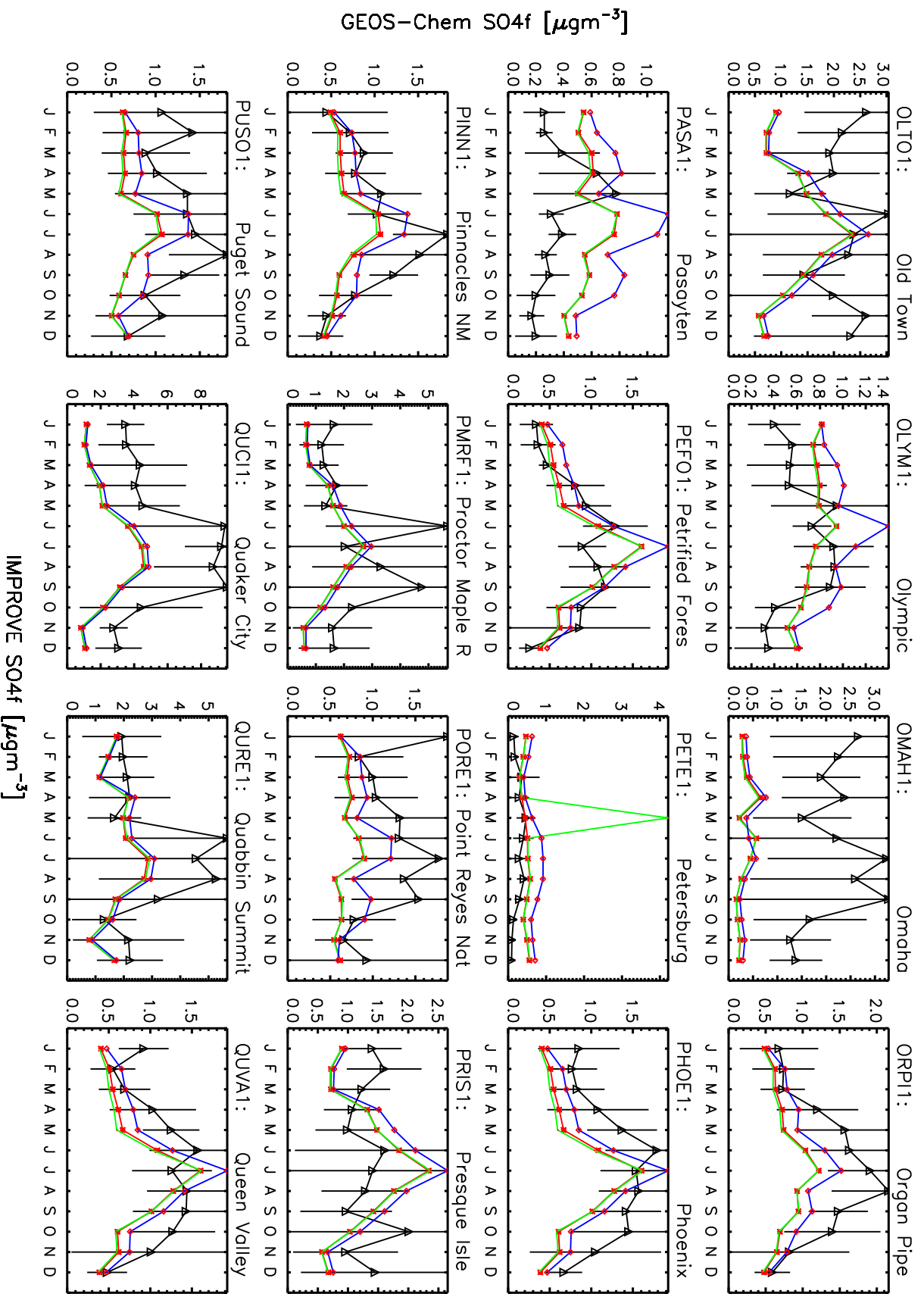
Red: v10-01-public-Run0 (2013); Green: v11-01b-Run0 (2013); Blue: v11-01d-Run0 (2013)



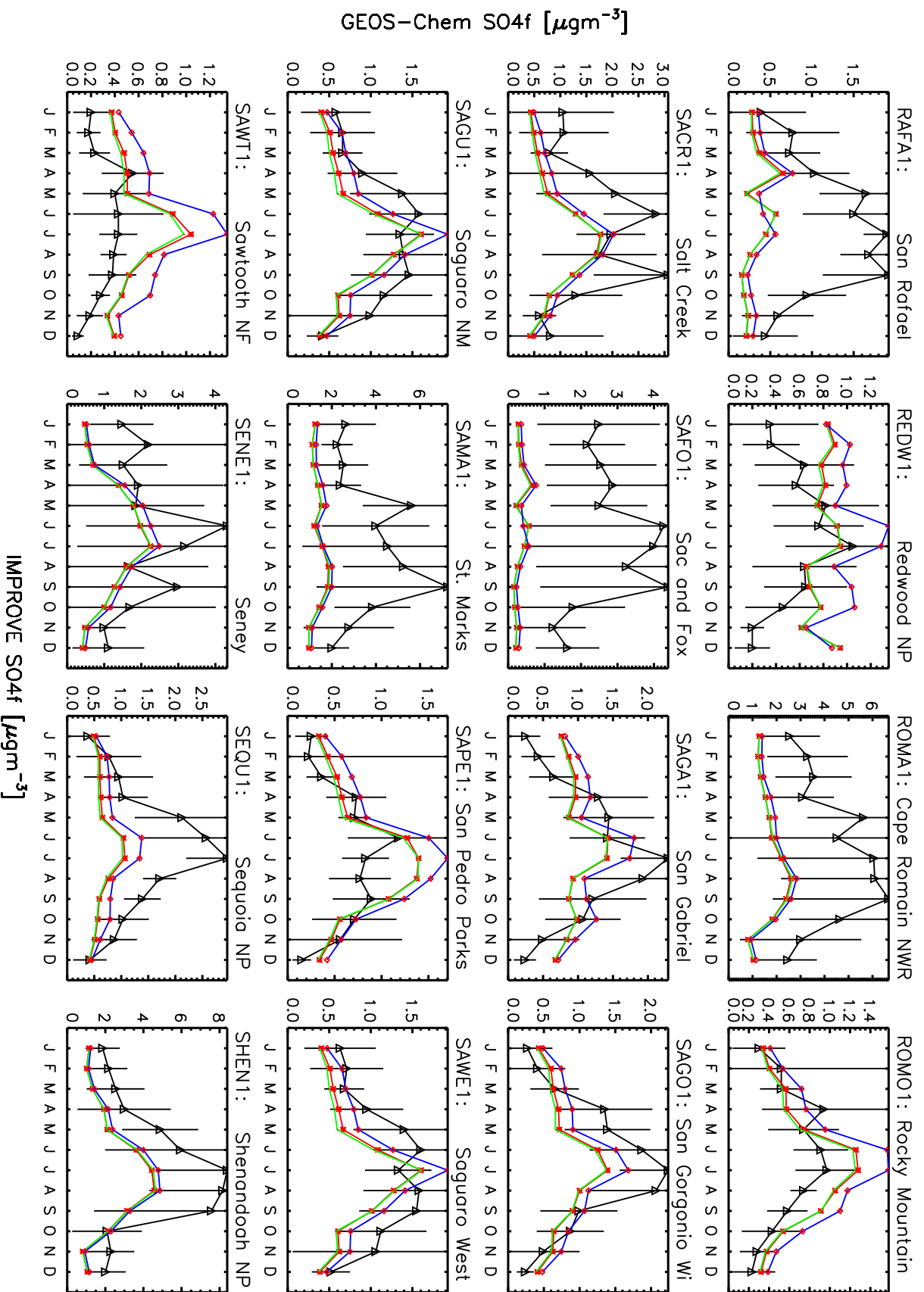
Red: v10-01-public-Run0 (2013); Green: v11-01b-Run0 (2013); Blue: v11-01d-Run0 (2013)



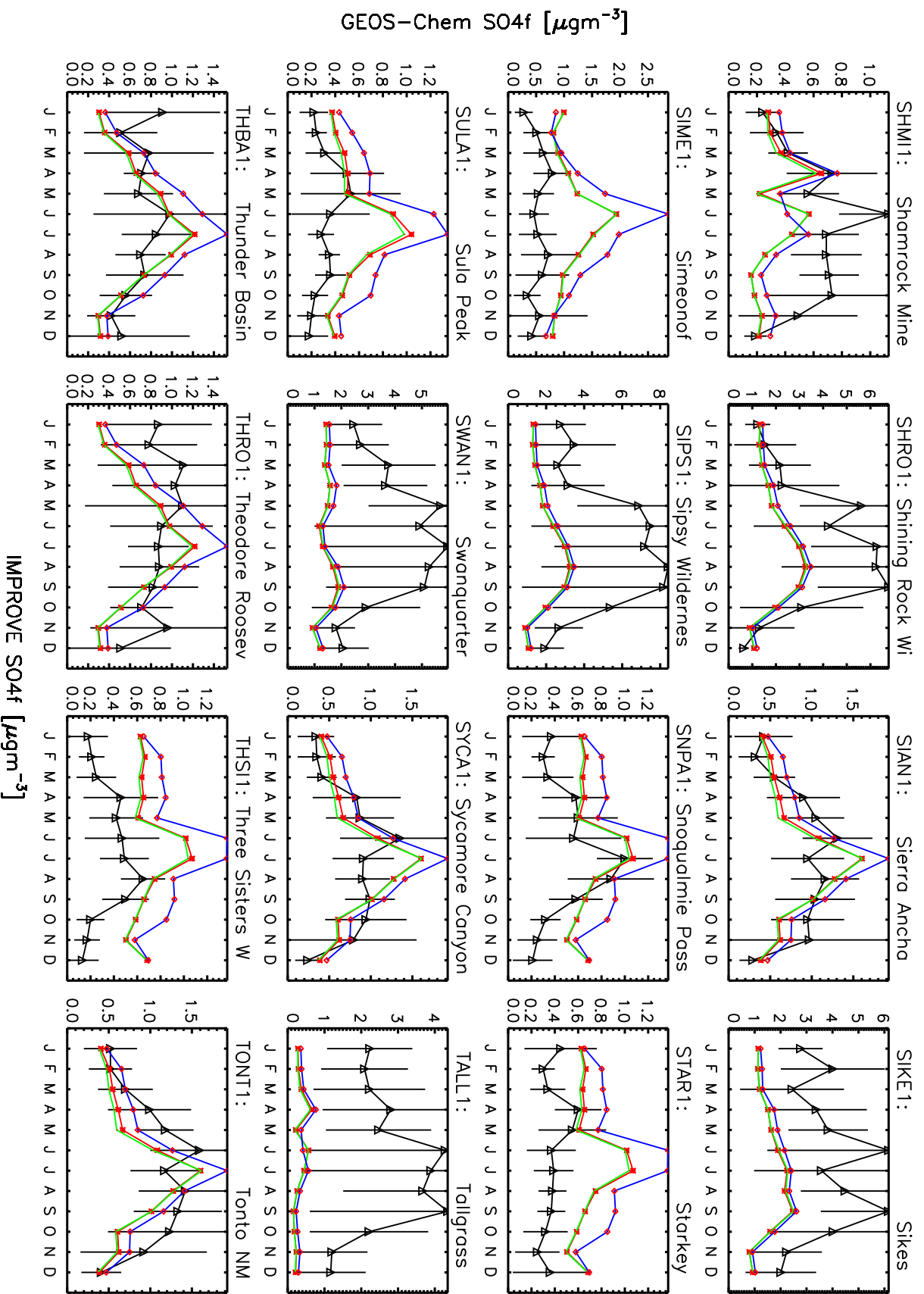
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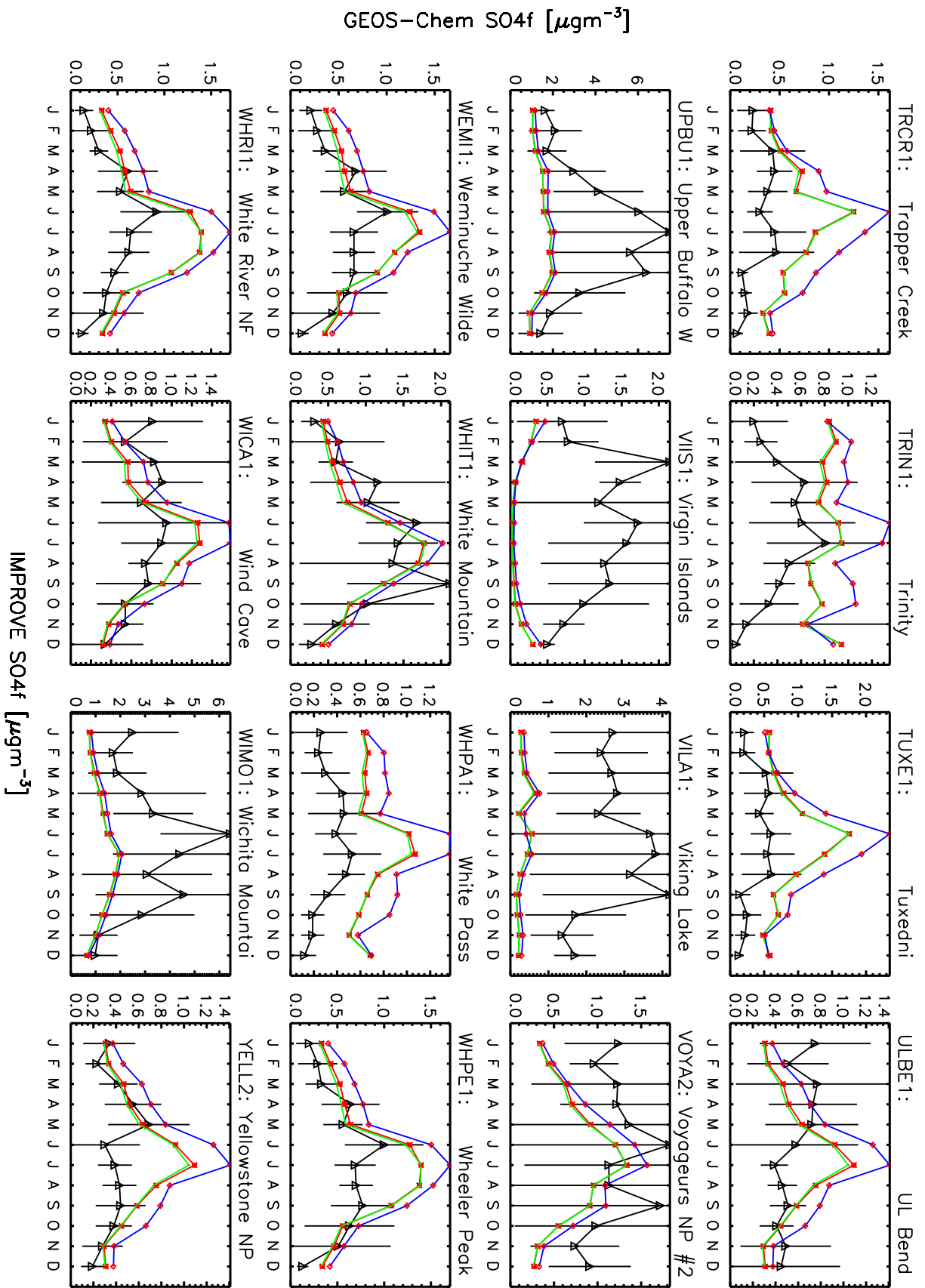
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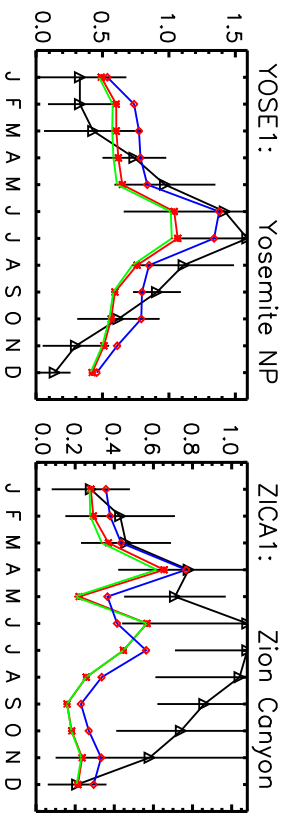
Red: v10-01-public-Run0 (2013); Green: v11-01b-Run0 (2013); Blue: v11-01d-Run0 (2013)



Red: v10-01-public-Run0 (2013); Green: v11-01b-Run0 (2013); Blue: v11-01d-Run0 (2013)



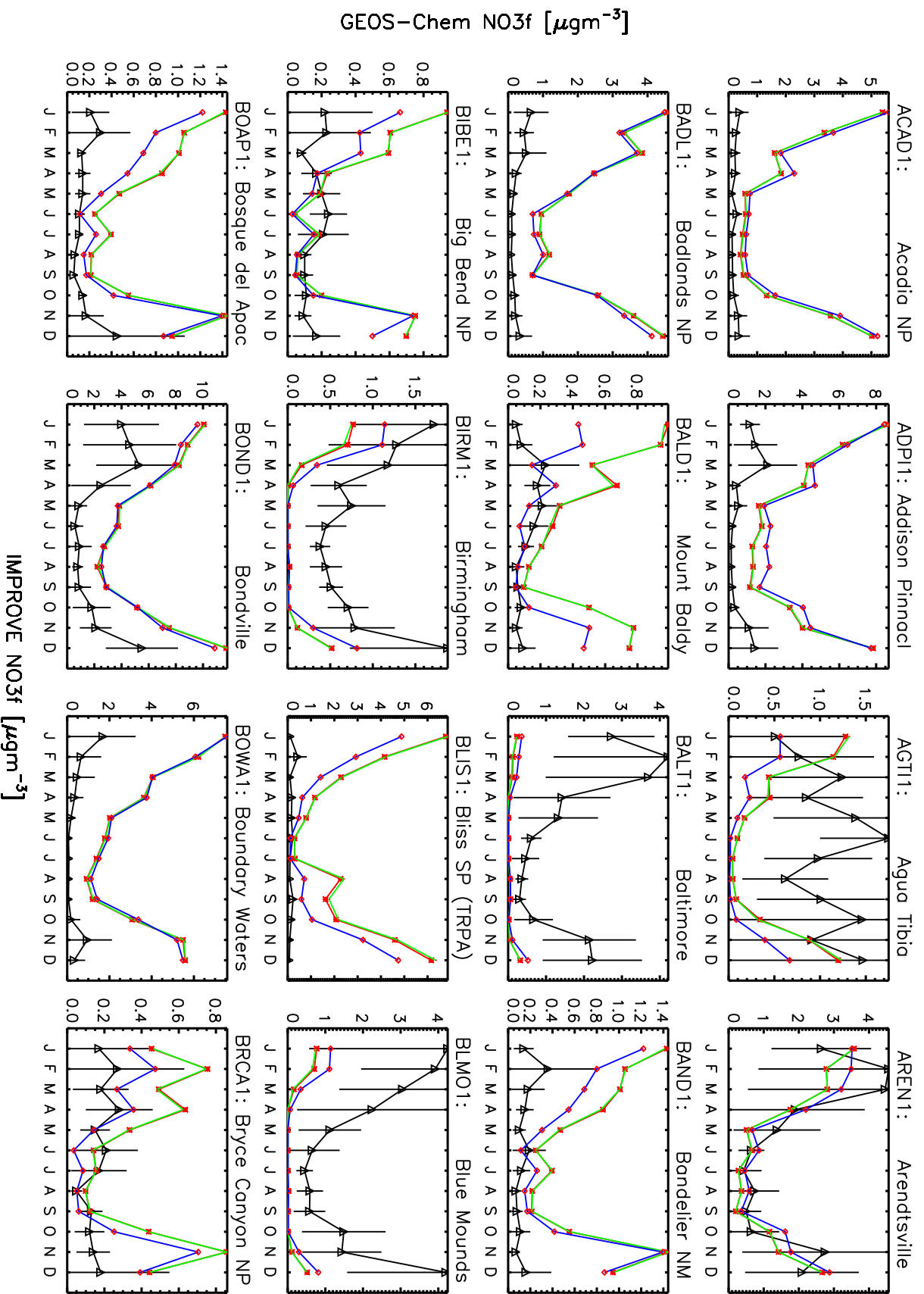
Red: v10-01-public-Run0 (2013); Green: v11-01b-Run0 (2013); Blue: v11-01d-Run0 (2013)



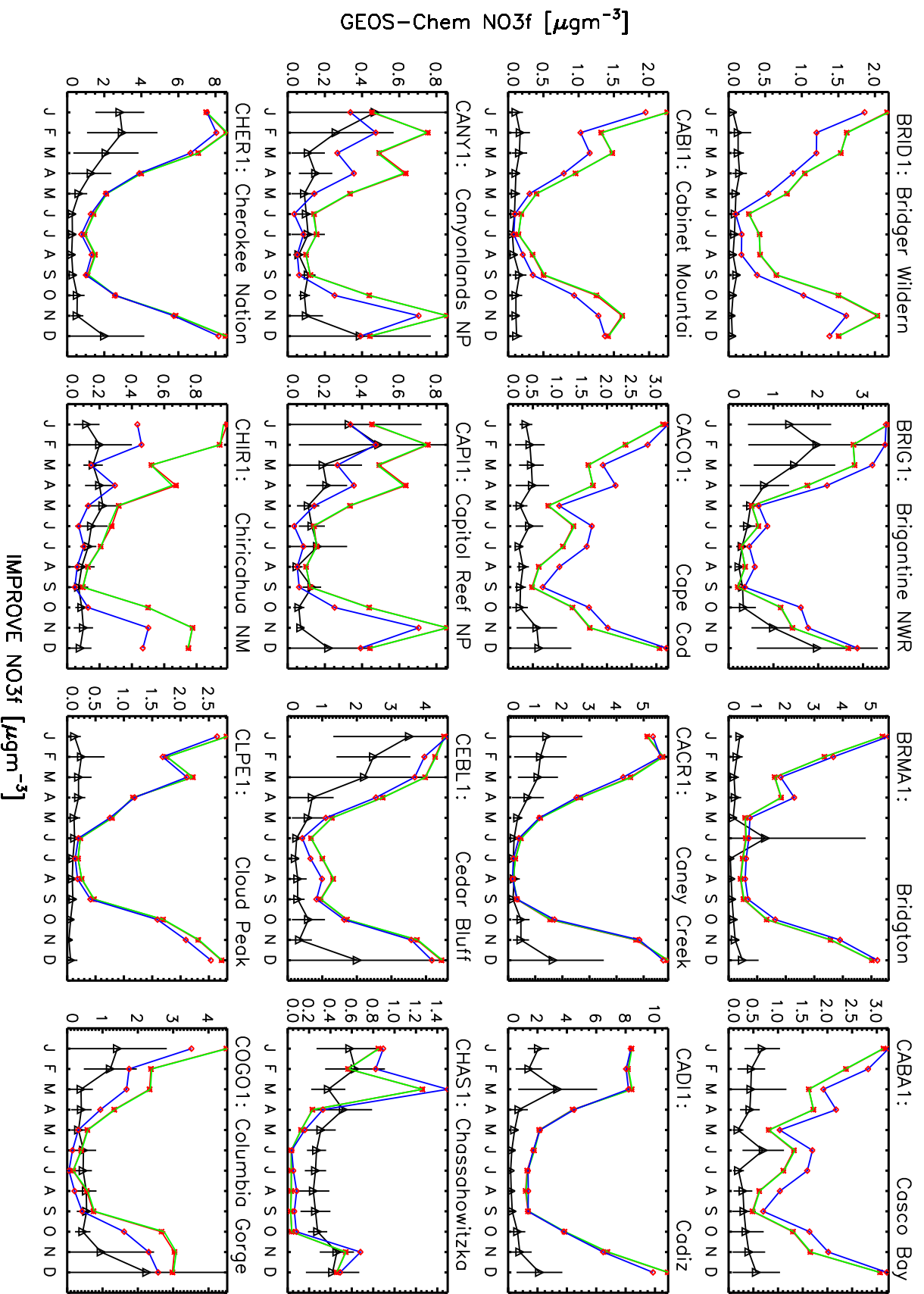
GEOS-Chem SO4f [μgm^{-3}]

IMPROVE SO4f [μgm^{-3}]

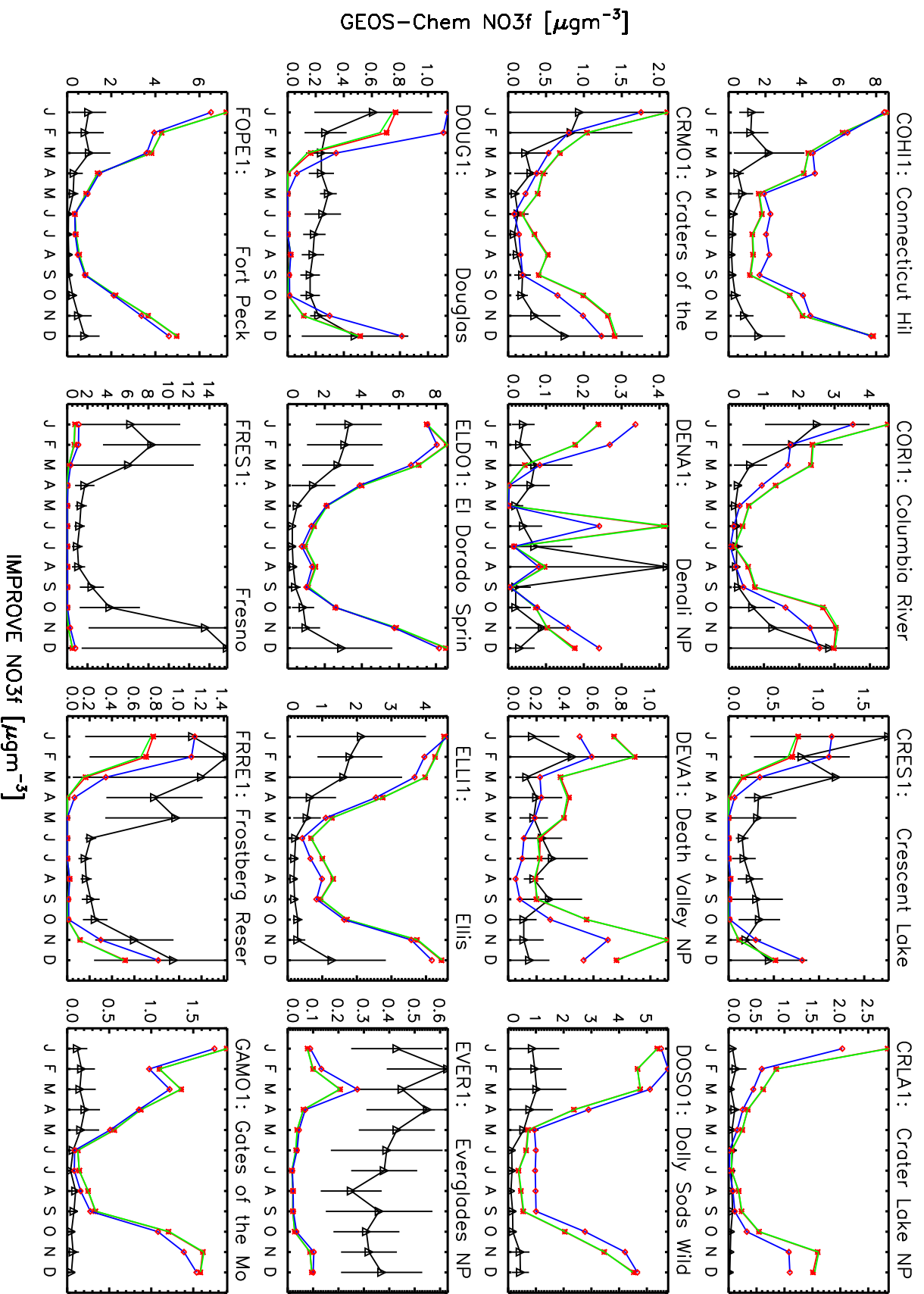
Red: v10-01-public-Run0 (2013); Green: v11-01b-Run0 (2013); Blue: v11-01d-Run0 (2013)



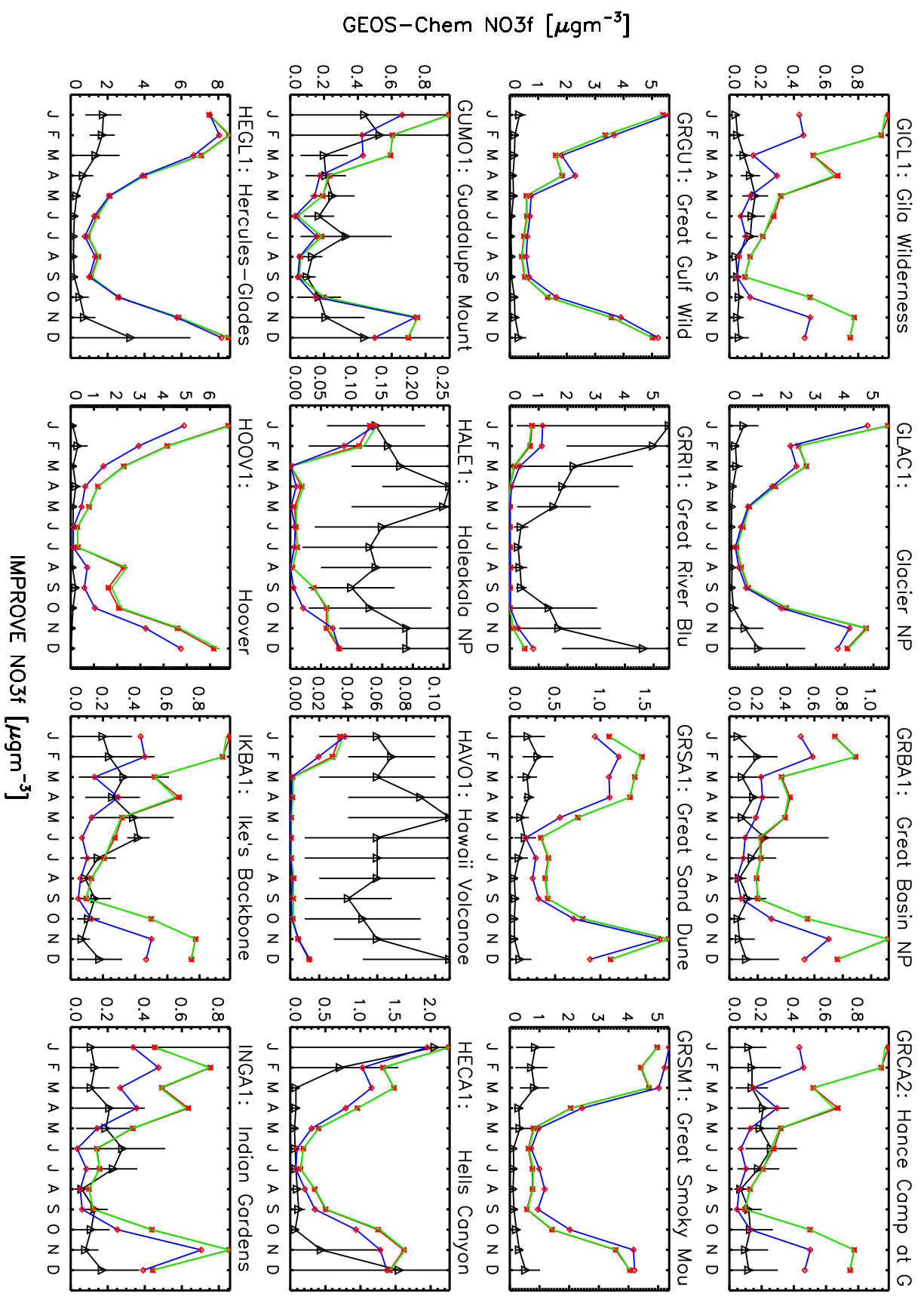
Red: v10-01-public-Run0 (2013); Green: v11-01b-Run0 (2013); Blue: v11-01d-Run0 (2013)



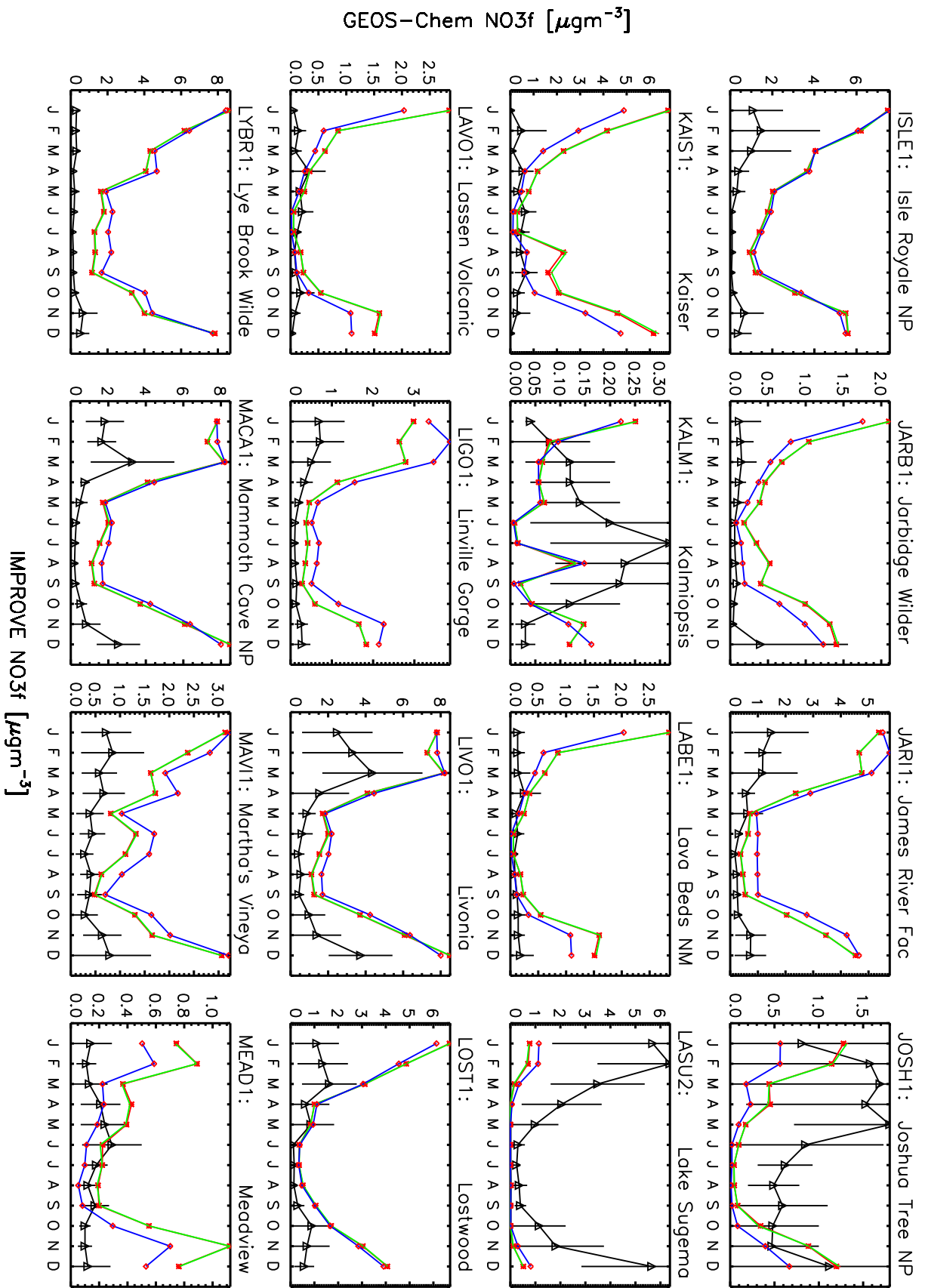
Red: v10-01-public-Run0 (2013); Green: v11-01b-Run0 (2013); Blue: v11-01d-Run0 (2013)



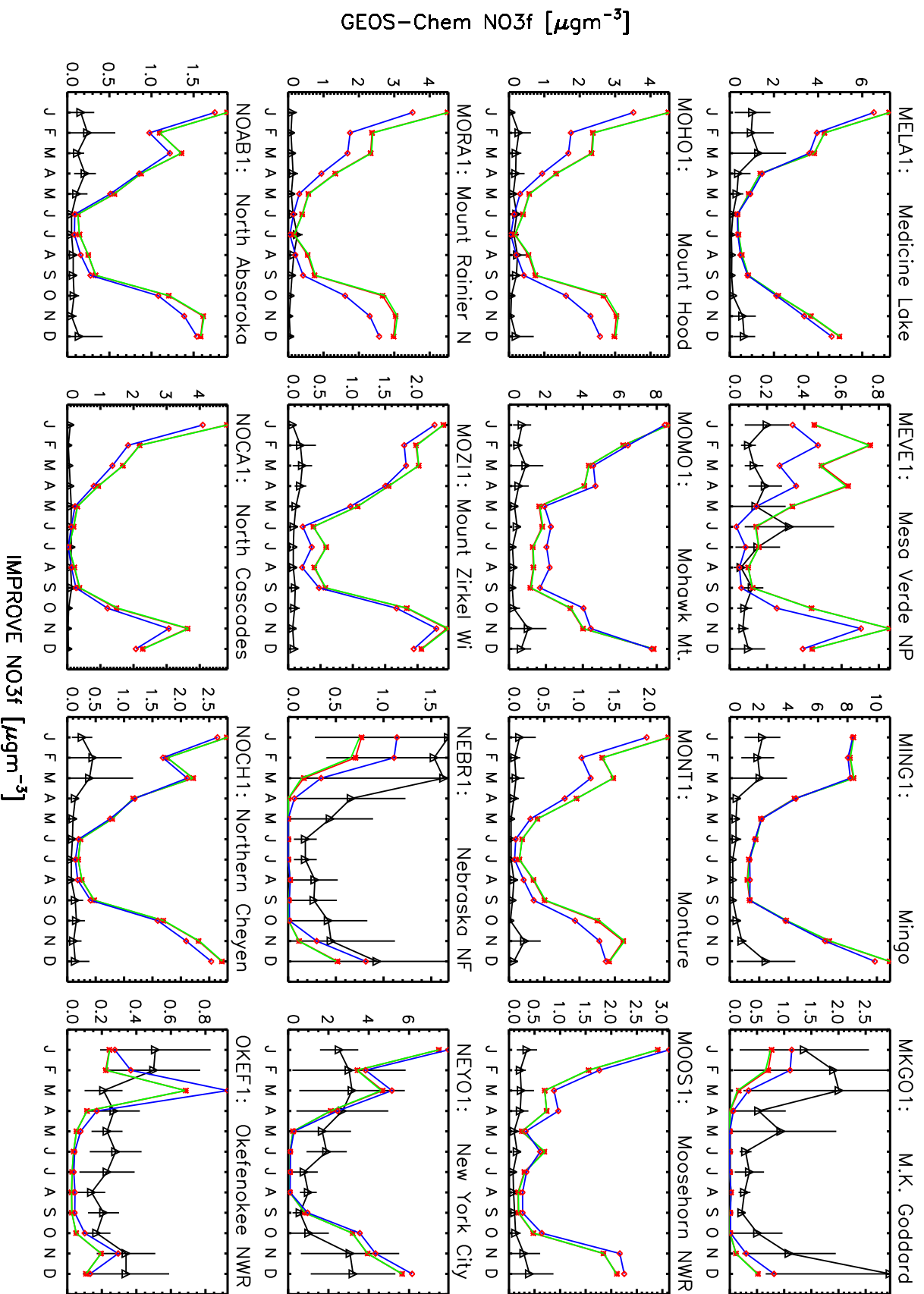
Red: v10-01-public-Run0 (2013); Green: v11-01b-Run0 (2013); Blue: v11-01d-Run0 (2013)



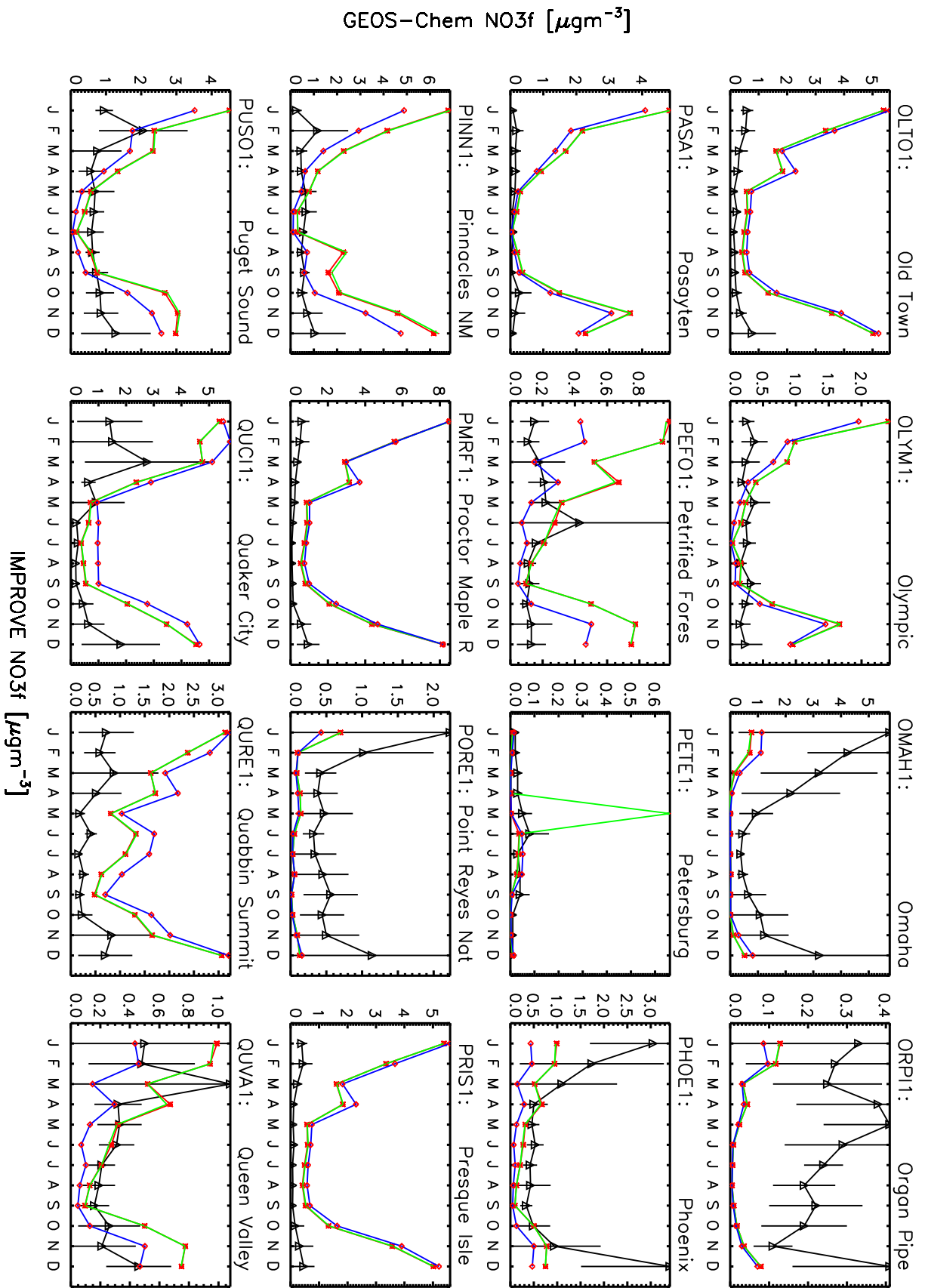
Red: v10-01-public-Run0 (2013); Green: v11-01b-Run0 (2013); Blue: v11-01d-Run0 (2013)



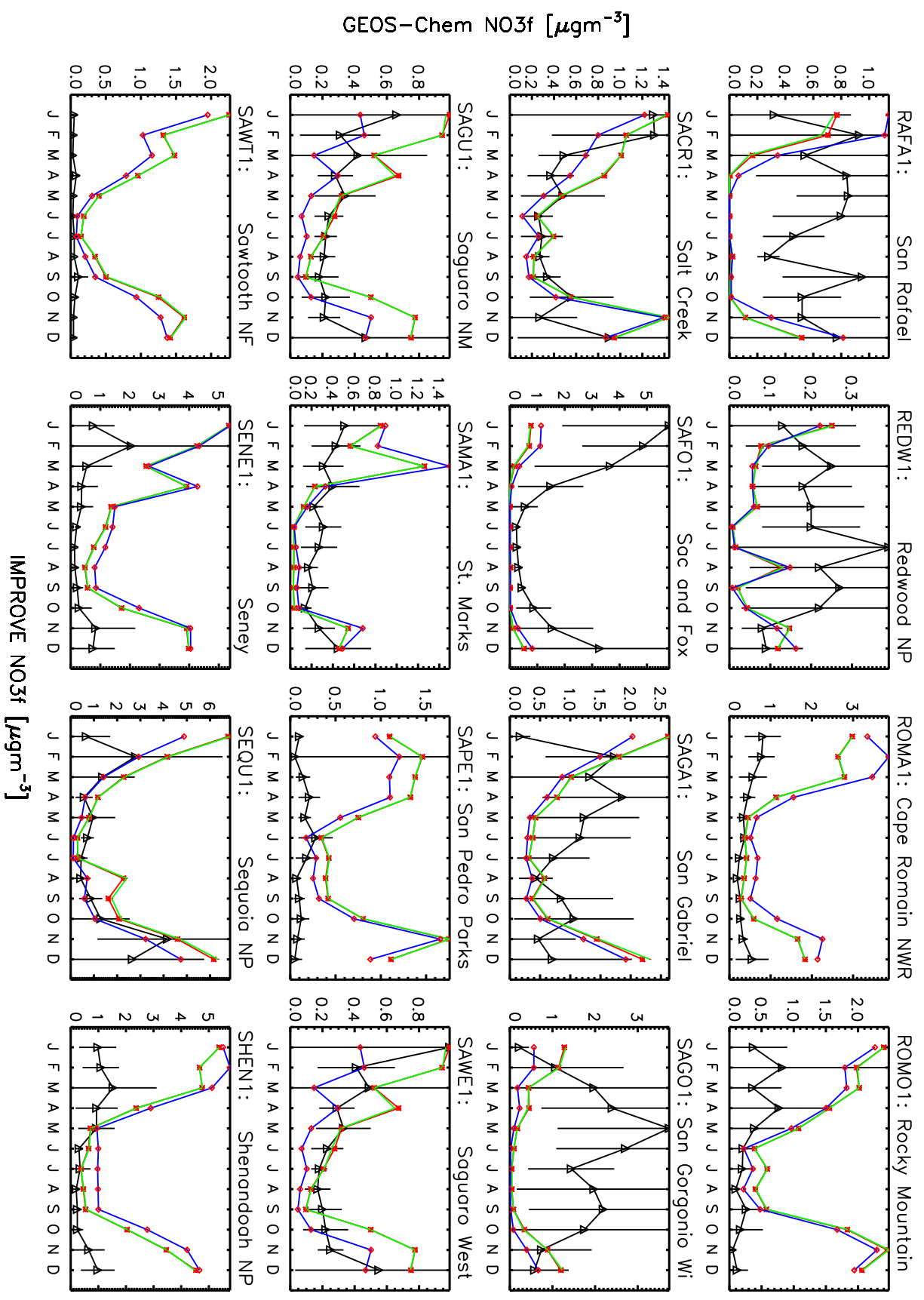
Red: v10-01-public-Run0 (2013); Green: v11-01b-Run0 (2013); Blue: v11-01d-Run0 (2013)



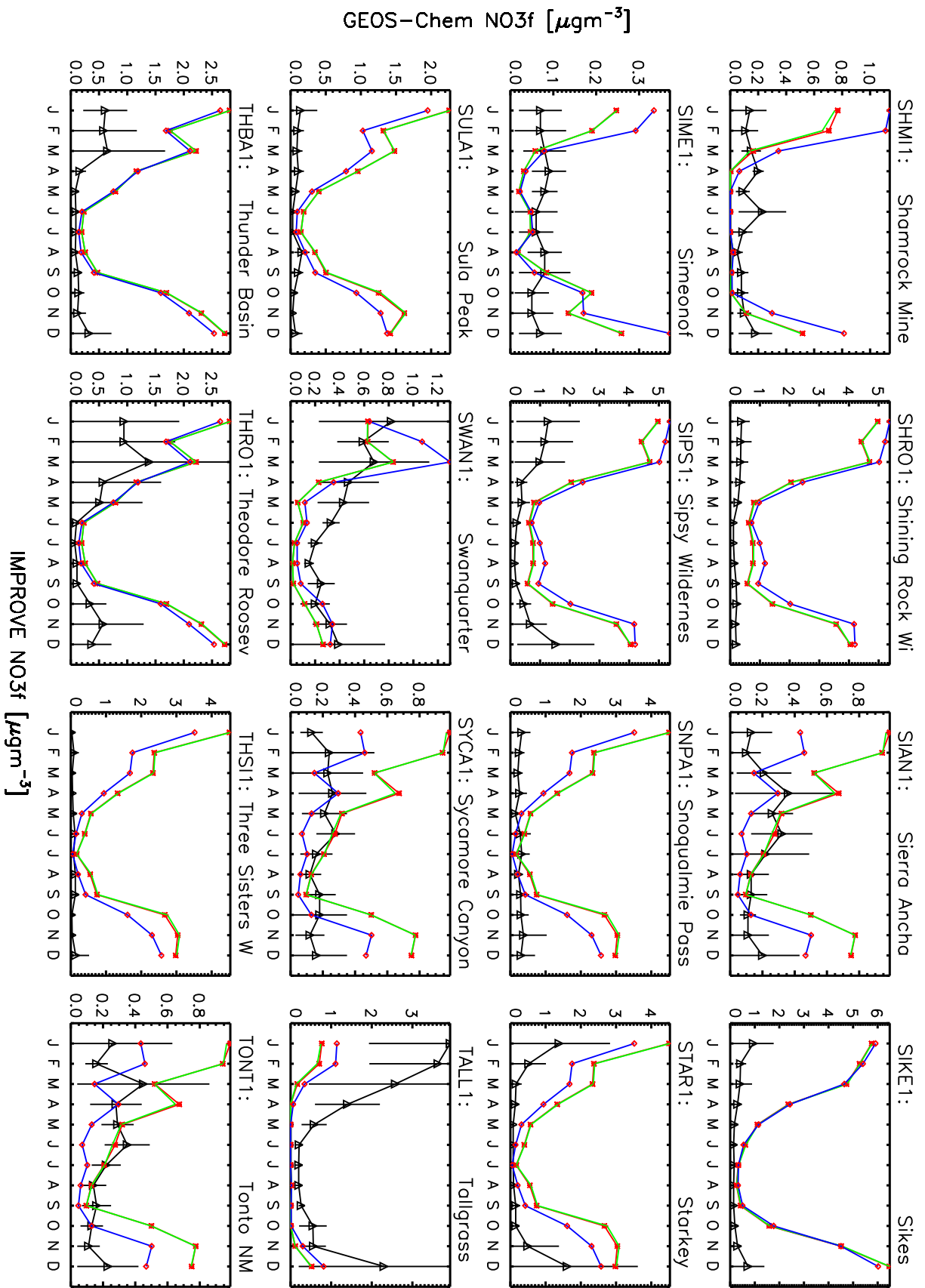
Red: v10-01-public-Run0 (2013); Green: v11-01b-Run0 (2013); Blue: v11-01d-Run0 (2013)



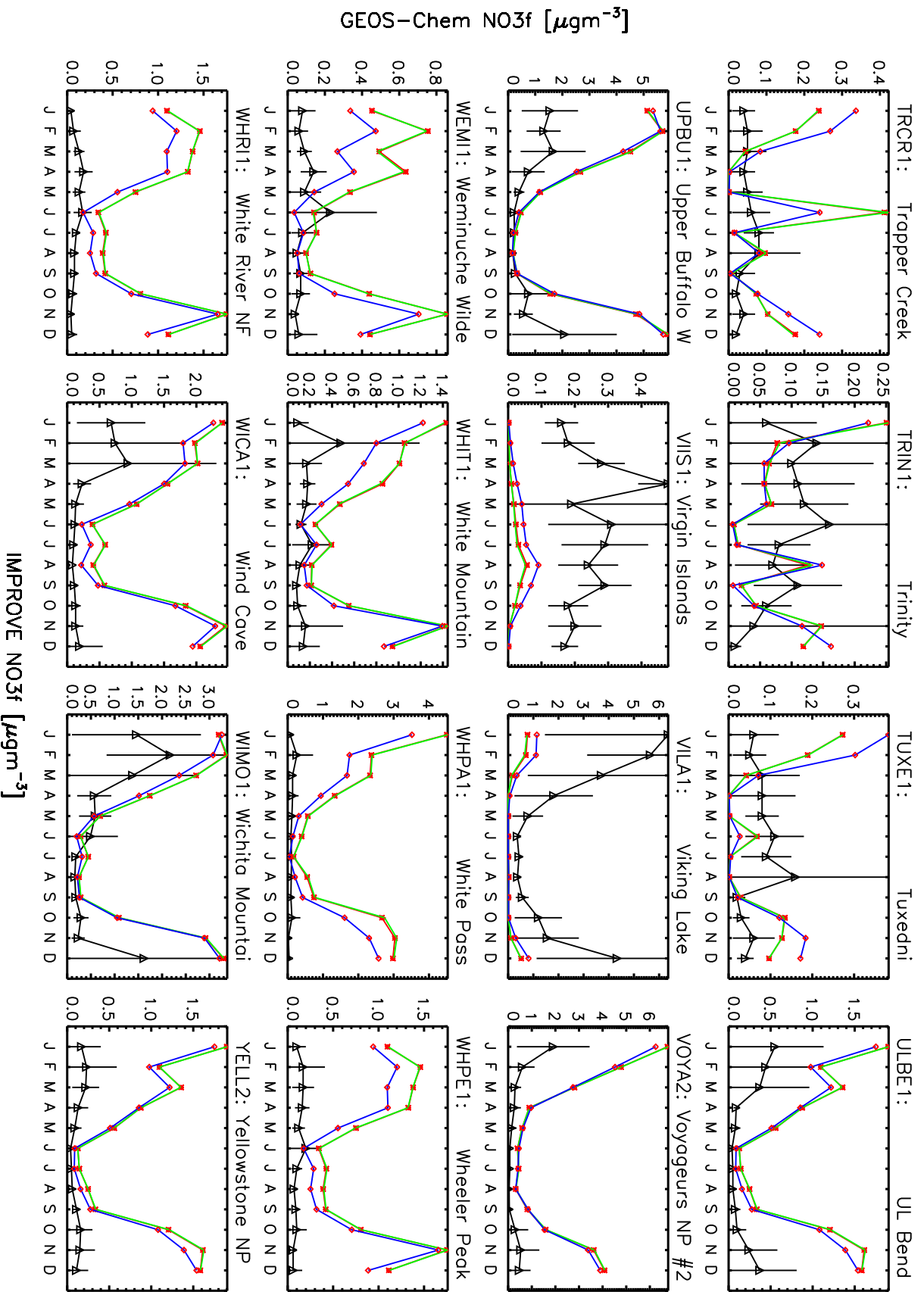
Red: v10-01-public-Run0 (2013); Green: v11-01b-Run0 (2013); Blue: v11-01d-Run0 (2013)



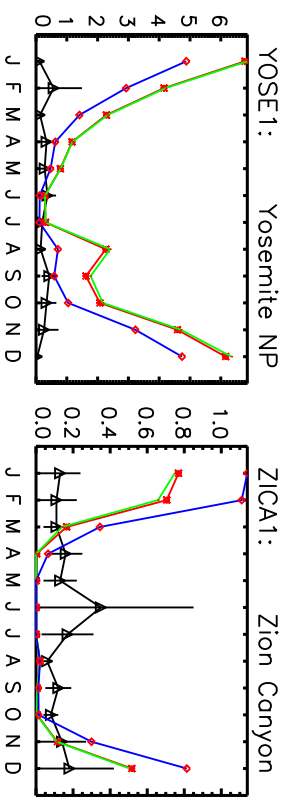
Red: v10-01-public-Run0 (2013); Green: v11-01b-Run0 (2013); Blue: v11-01d-Run0 (2013)



Red: v10-01-public-Run0 (2013); Green: v11-01b-Run0 (2013); Blue: v11-01d-Run0 (2013)



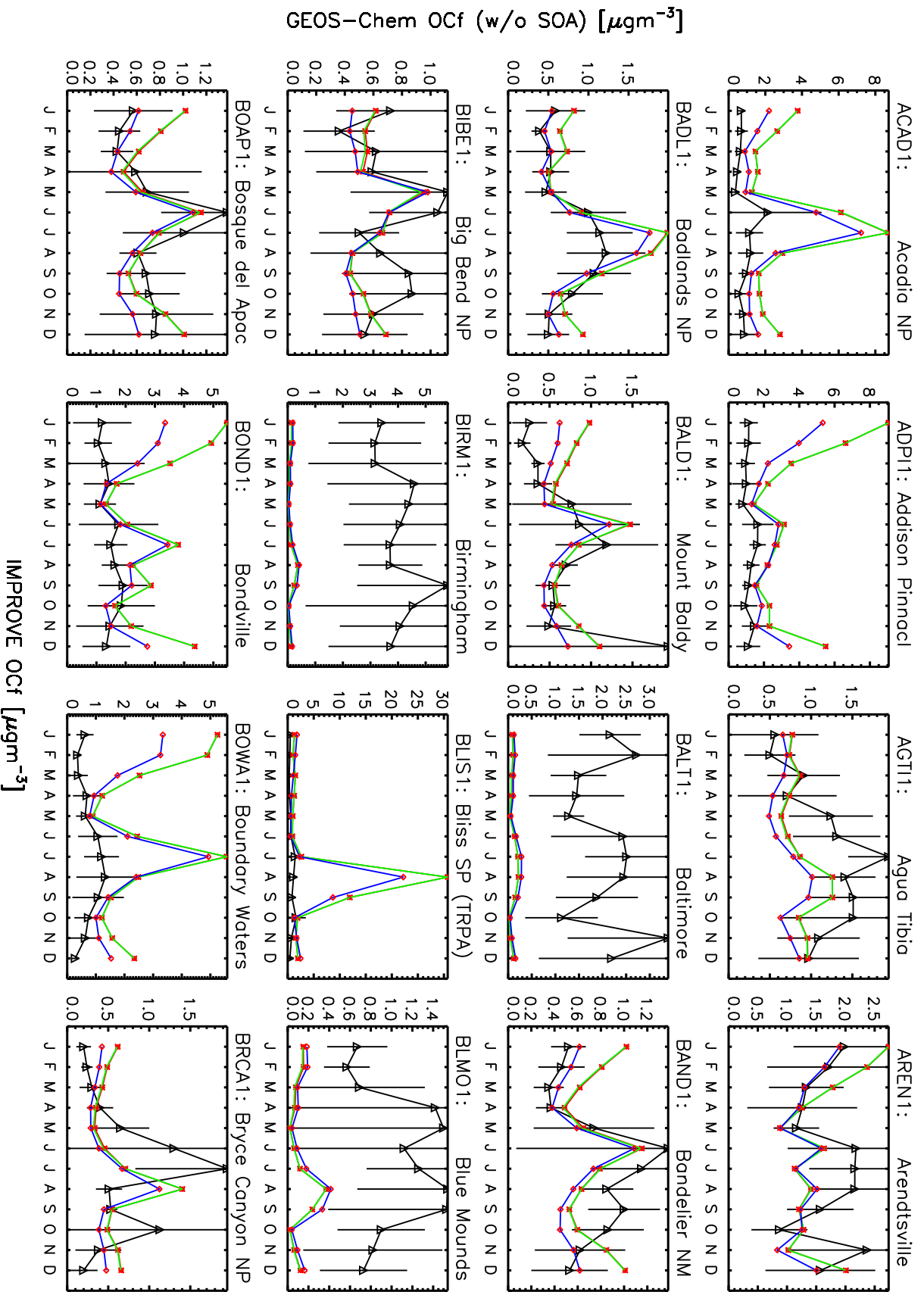
Red: v10-01-public-Run0 (2013); Green: v11-01b-Run0 (2013); Blue: v11-01d-Run0 (2013)



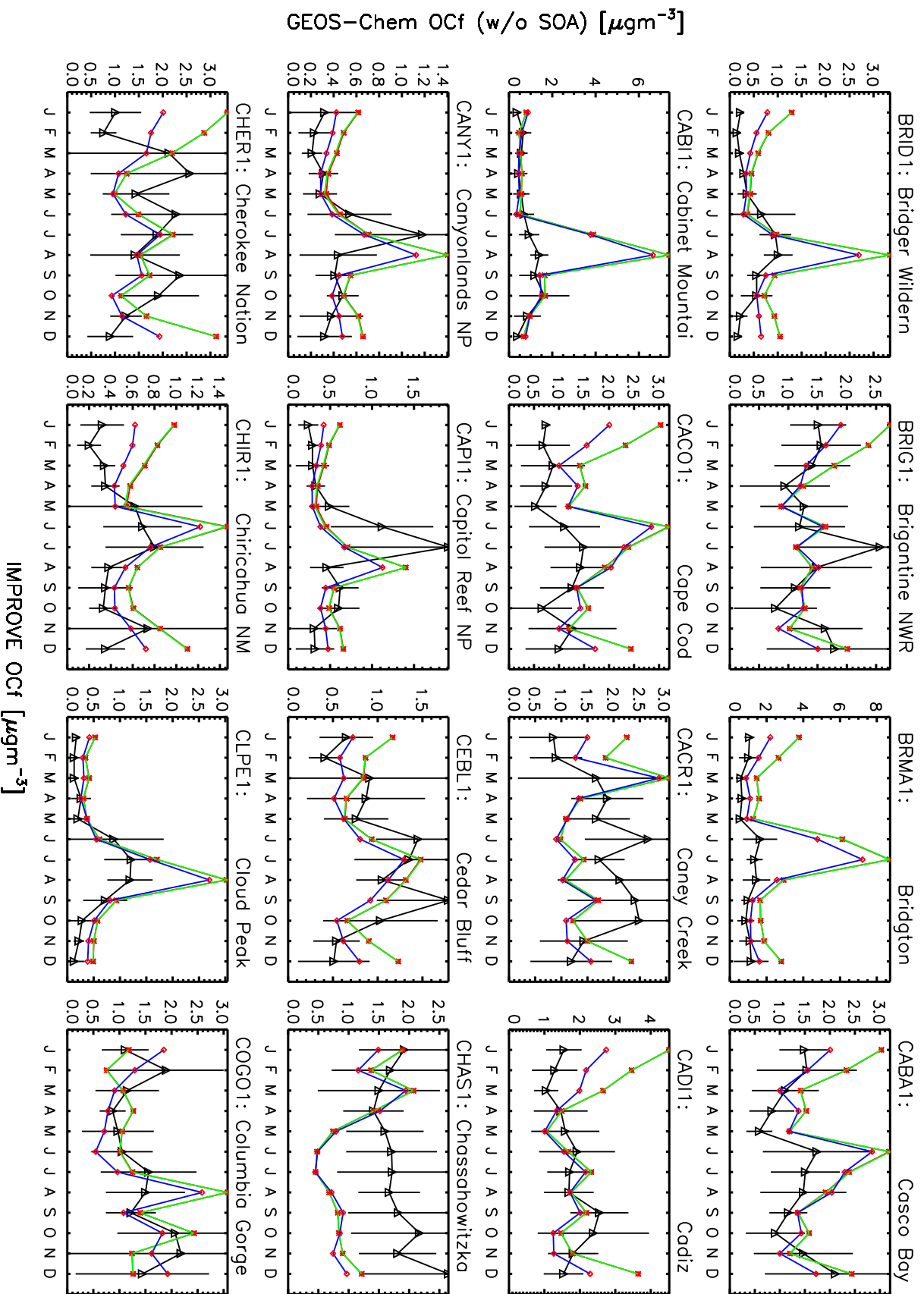
GEOS-Chem NO3f [μgm^{-3}]

IMPROVE NO3f [μgm^{-3}]

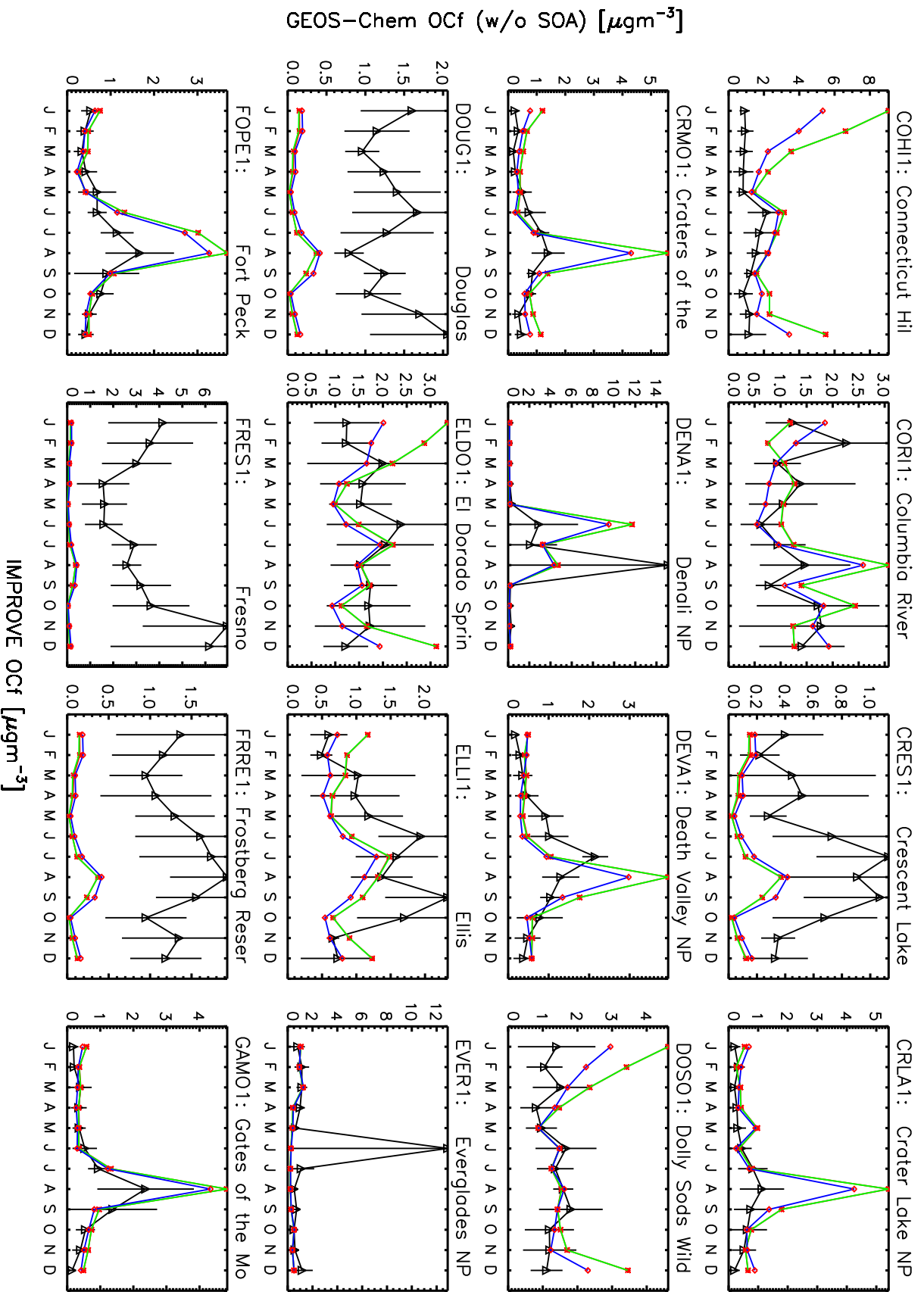
Red: v10-01-public-Run0 (2013); Green: v11-01b-Run0 (2013); Blue: v11-01d-Run0 (2013)



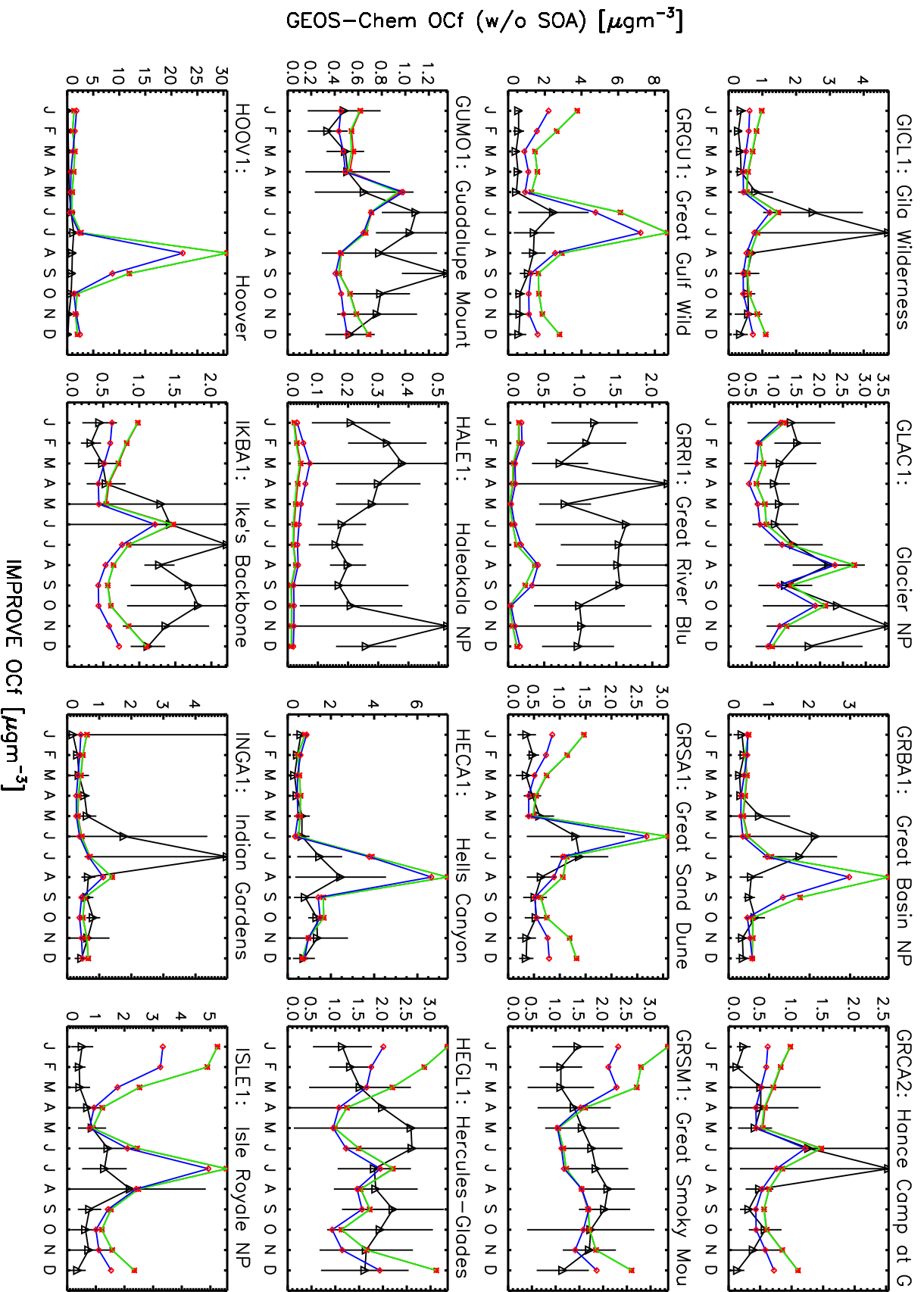
Red: v10-01-public-Run0 (2013); Green: v11-01b-Run0 (2013); Blue: v11-01d-Run0 (2013)



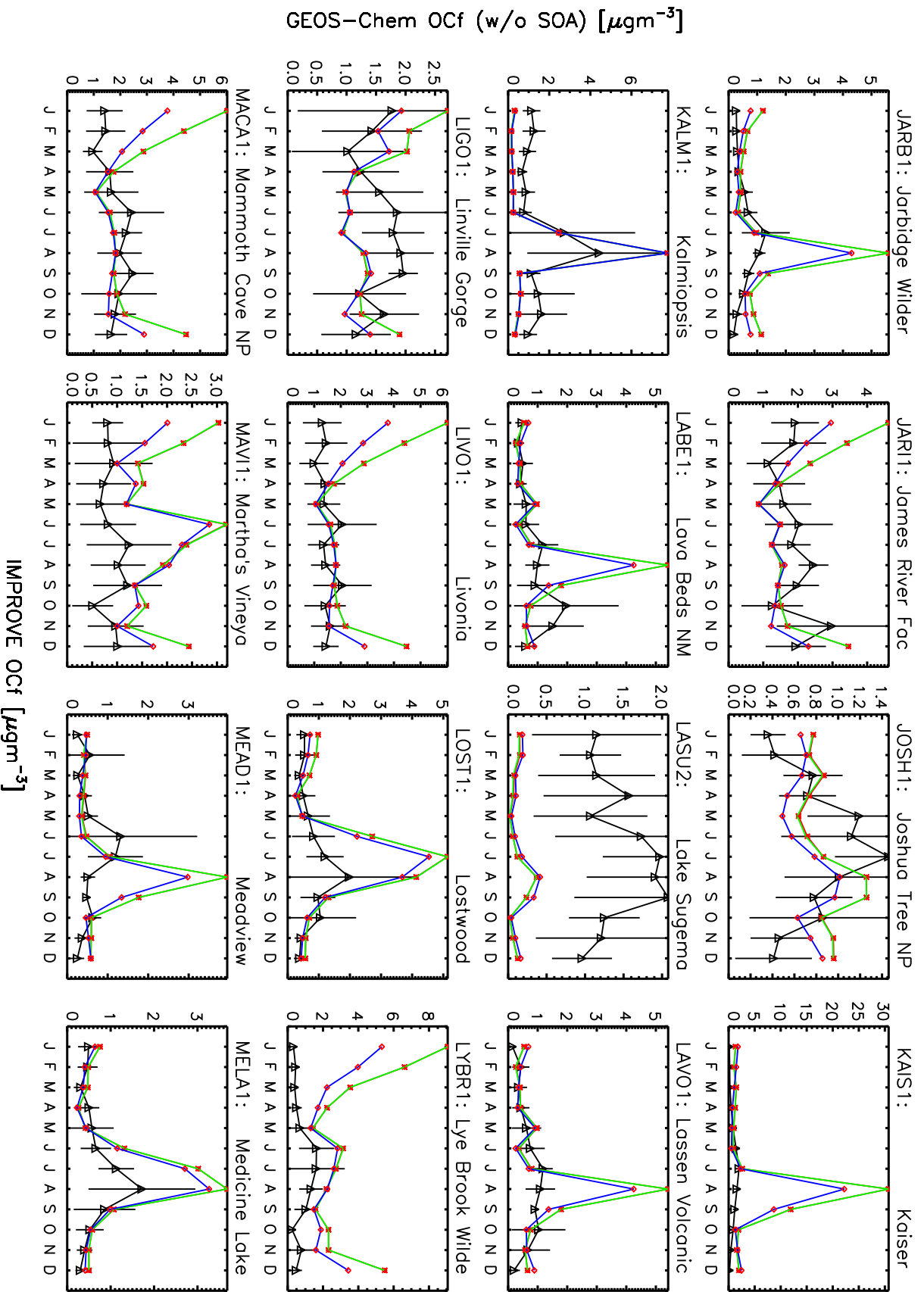
Red: v10-01-public-Run0 (2013); Green: v11-01b-Run0 (2013); Blue: v11-01d-Run0 (2013)



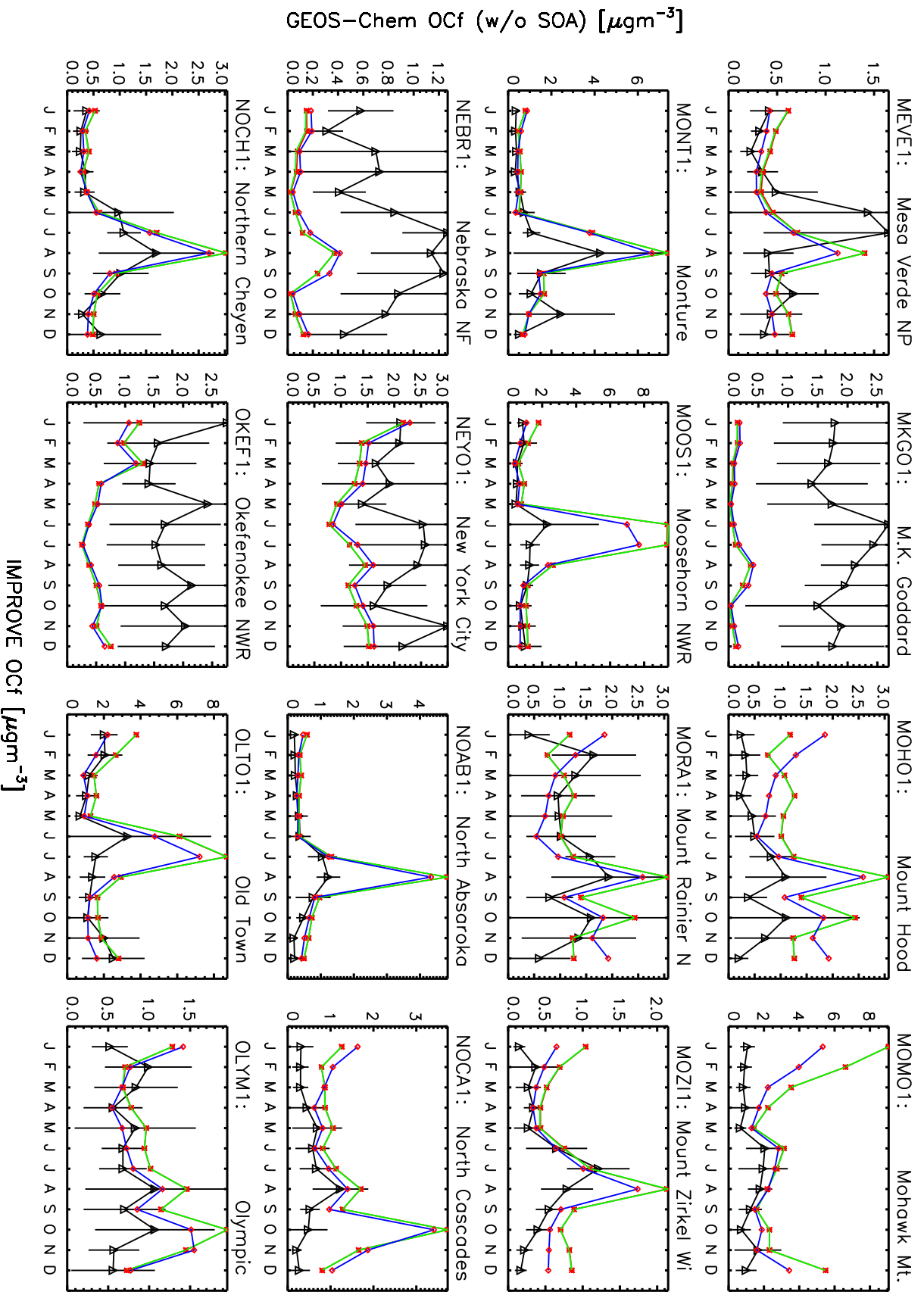
Red: v10-01-public-Run0 (2013); Green: v11-01b-Run0 (2013); Blue: v11-01d-Run0 (2013)



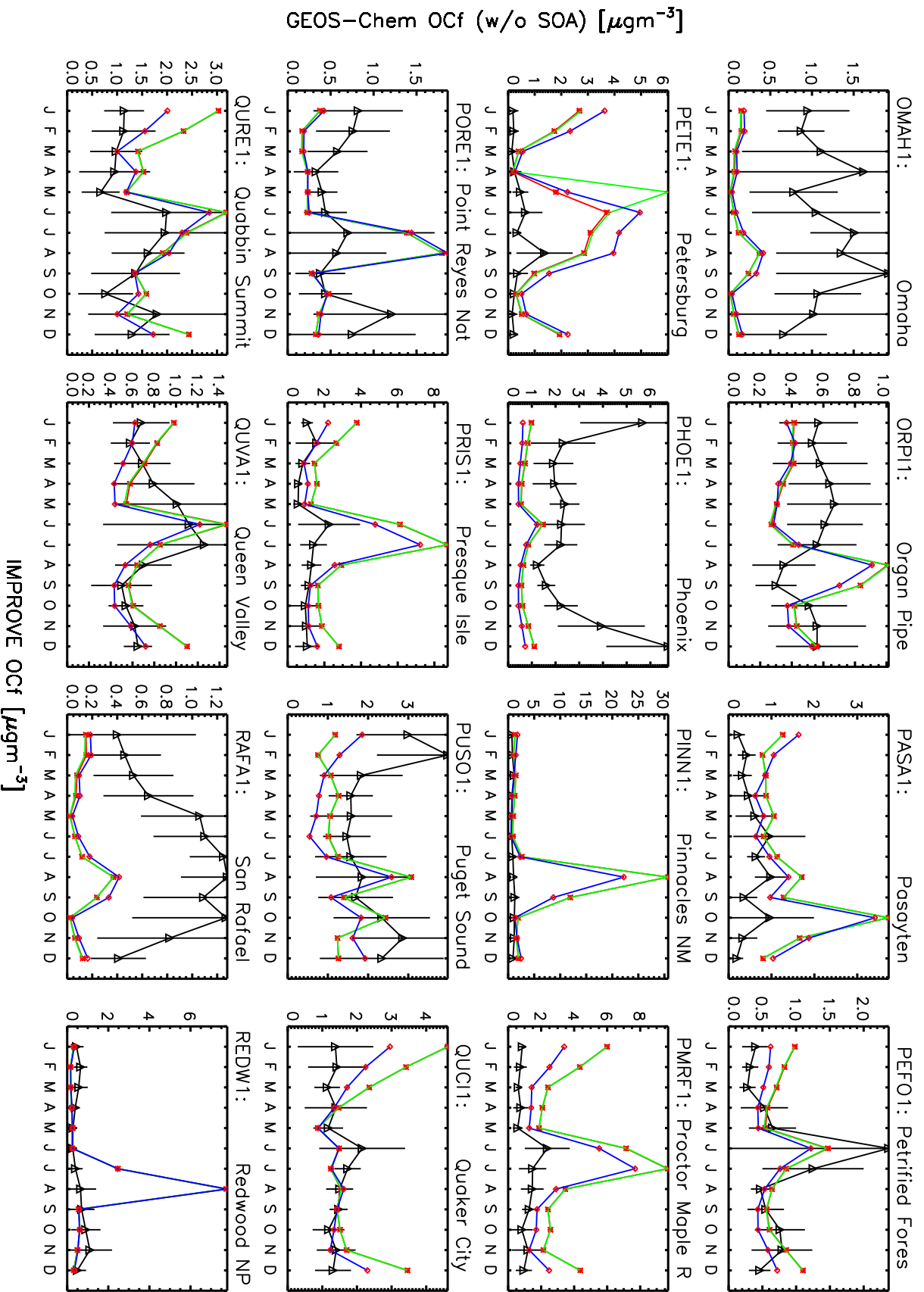
Red: v10-01-public-Run0 (2013); Green: v11-01b-Run0 (2013); Blue: v11-01d-Run0 (2013)



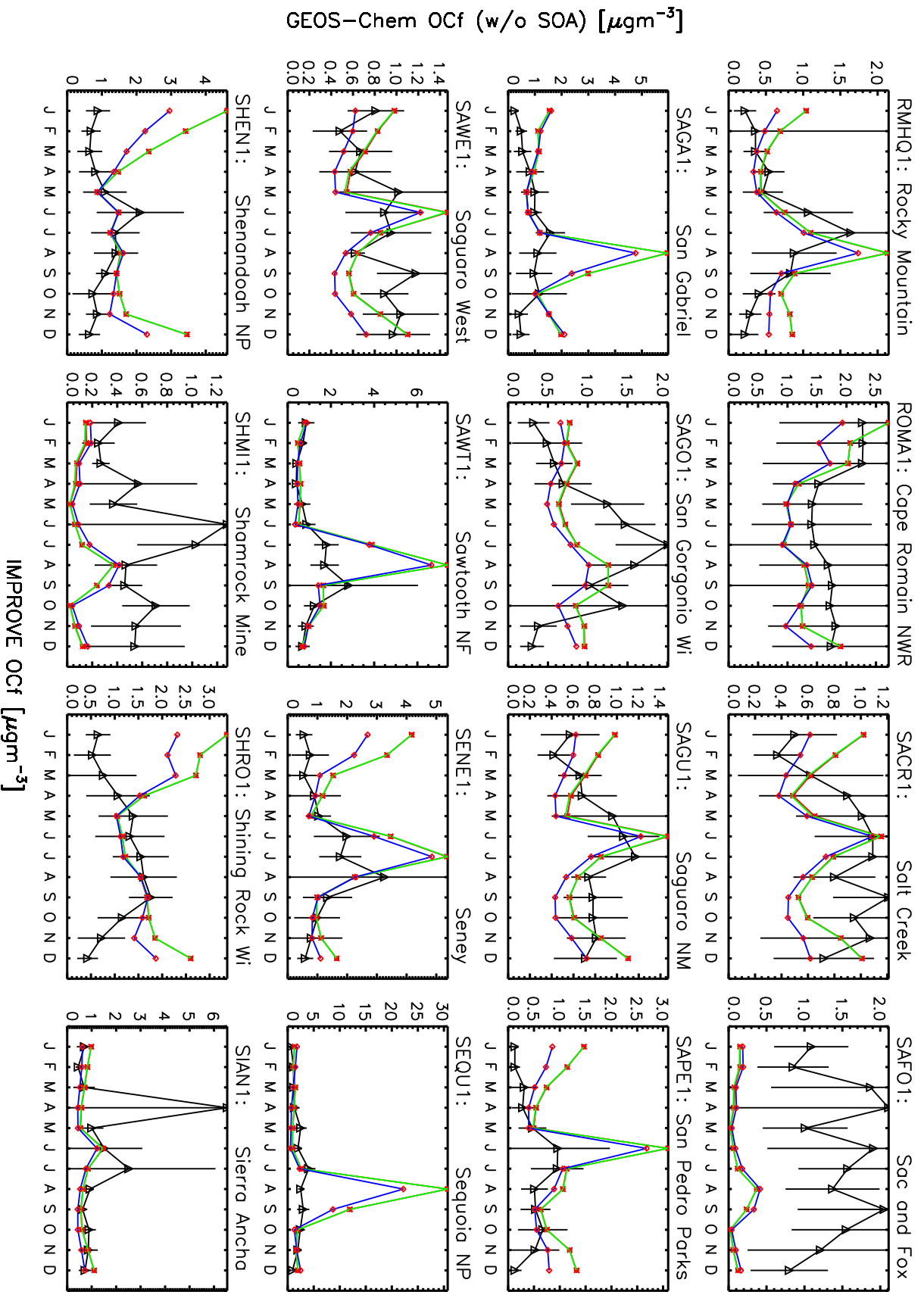
Red: v10-01-public-Run0 (2013); Green: v11-01b-Run0 (2013); Blue: v11-01d-Run0 (2013)



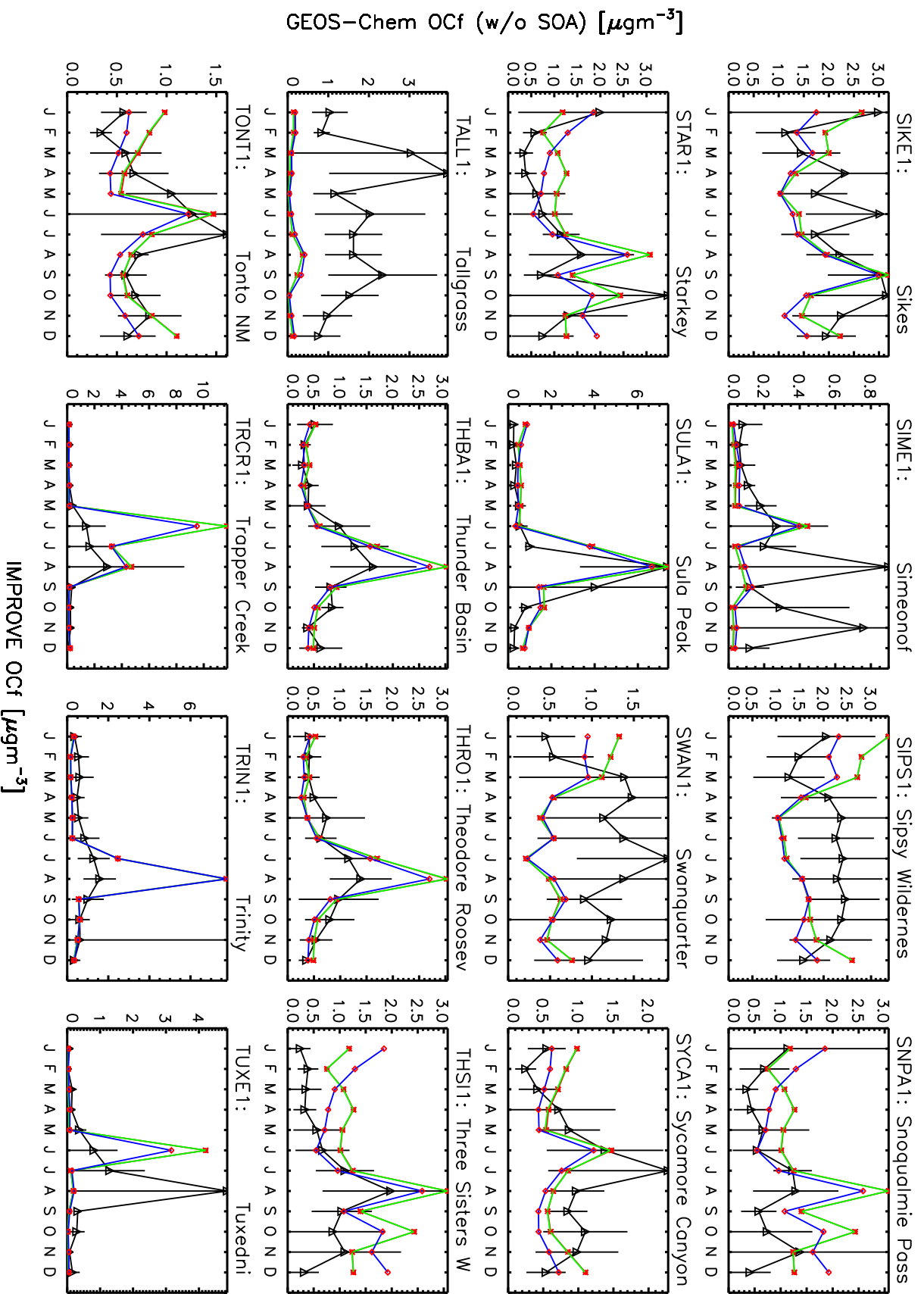
Red: v10-01-public-Run0 (2013); Green: v11-01b-Run0 (2013); Blue: v11-01d-Run0 (2013)



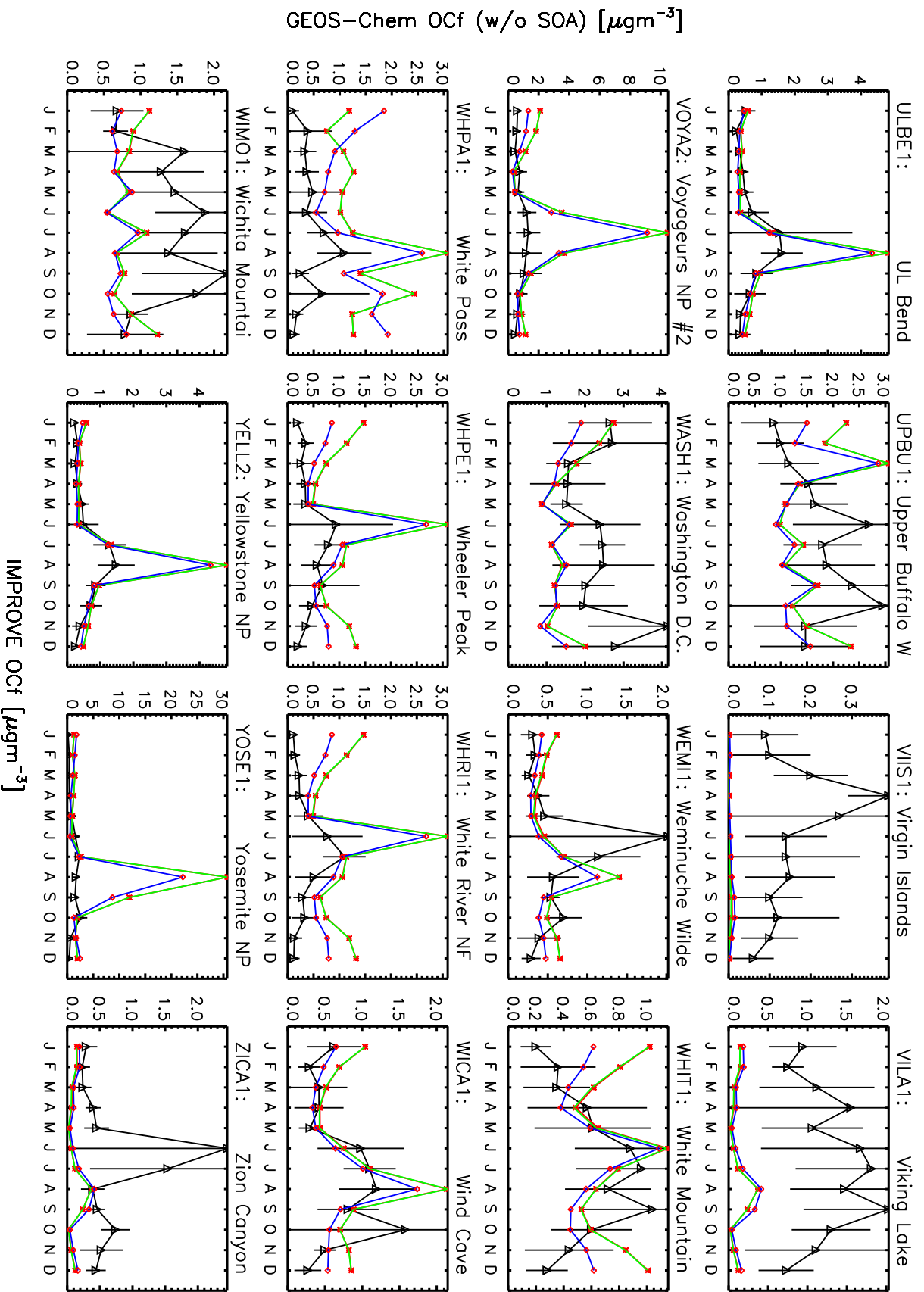
Red: v10-01-public-Run0 (2013); Green: v11-01b-Run0 (2013); Blue: v11-01d-Run0 (2013)



Red: v10-01-public-Run0 (2013); Green: v11-01b-Run0 (2013); Blue: v11-01d-Run0 (2013)

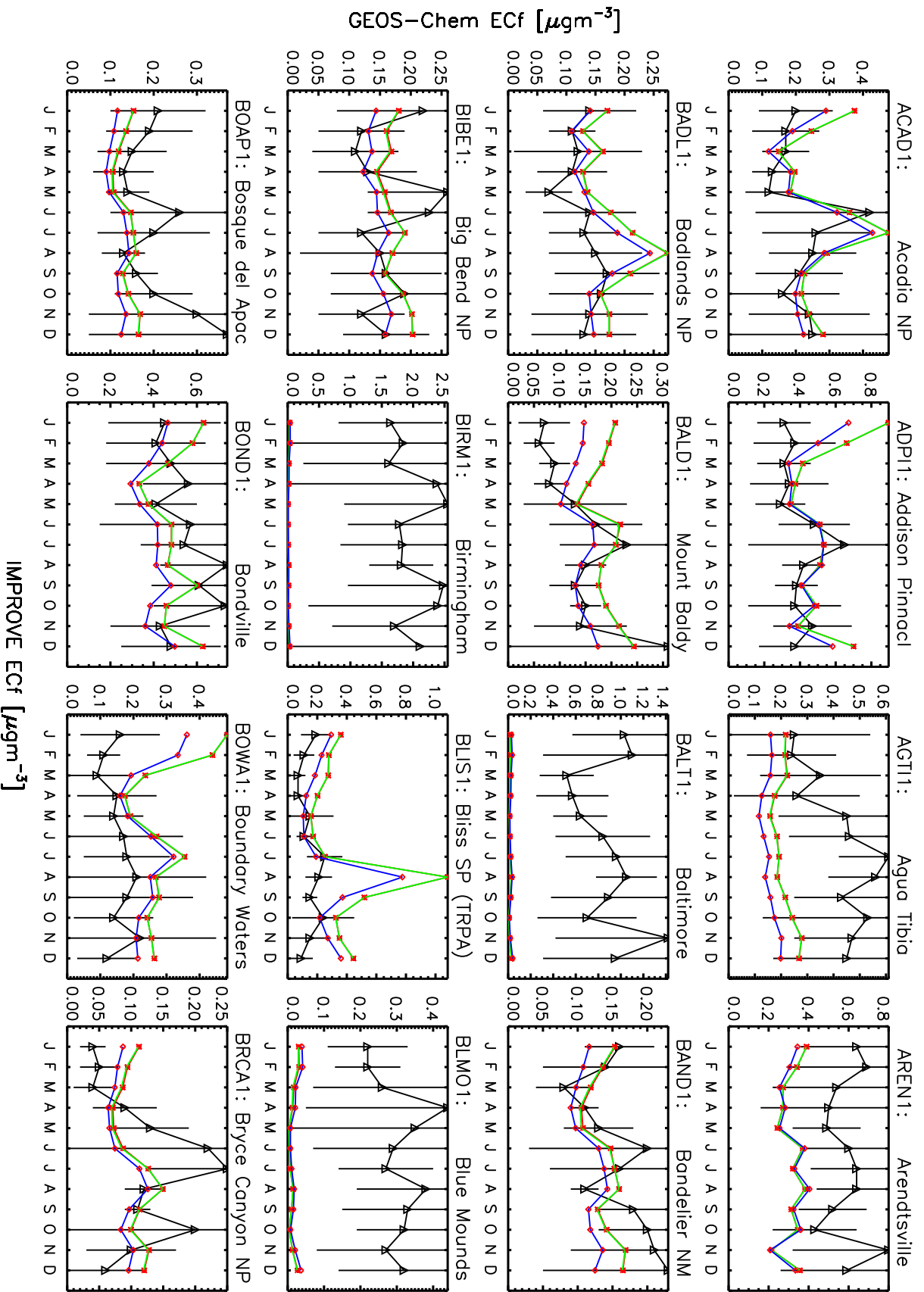


Red: v10-01-public-Run0 (2013); Green: v11-01b-Run0 (2013); Blue: v11-01d-Run0 (2013)

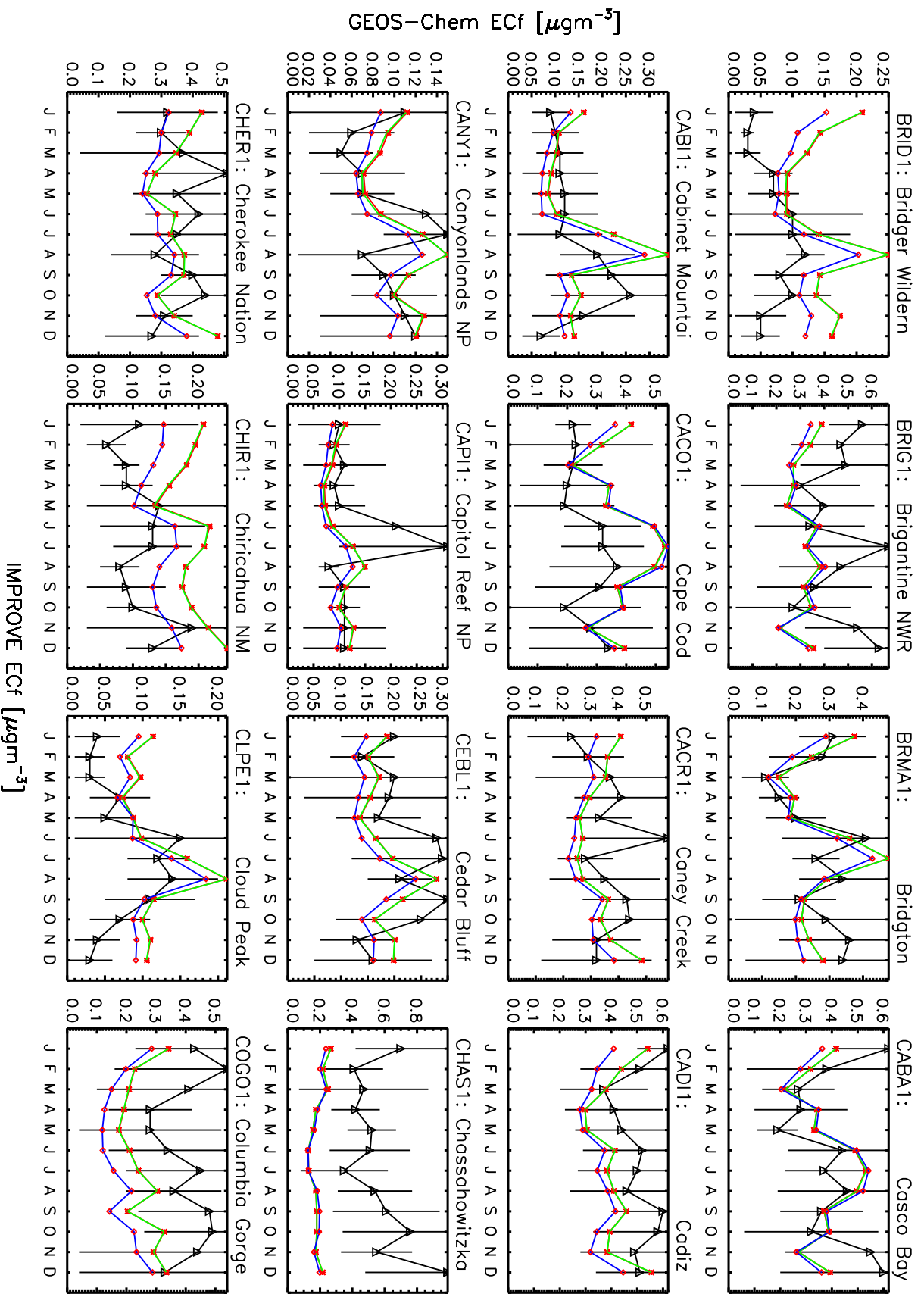


GEOS-Chem OCf (w/o SOA) [μgm^{-3}]

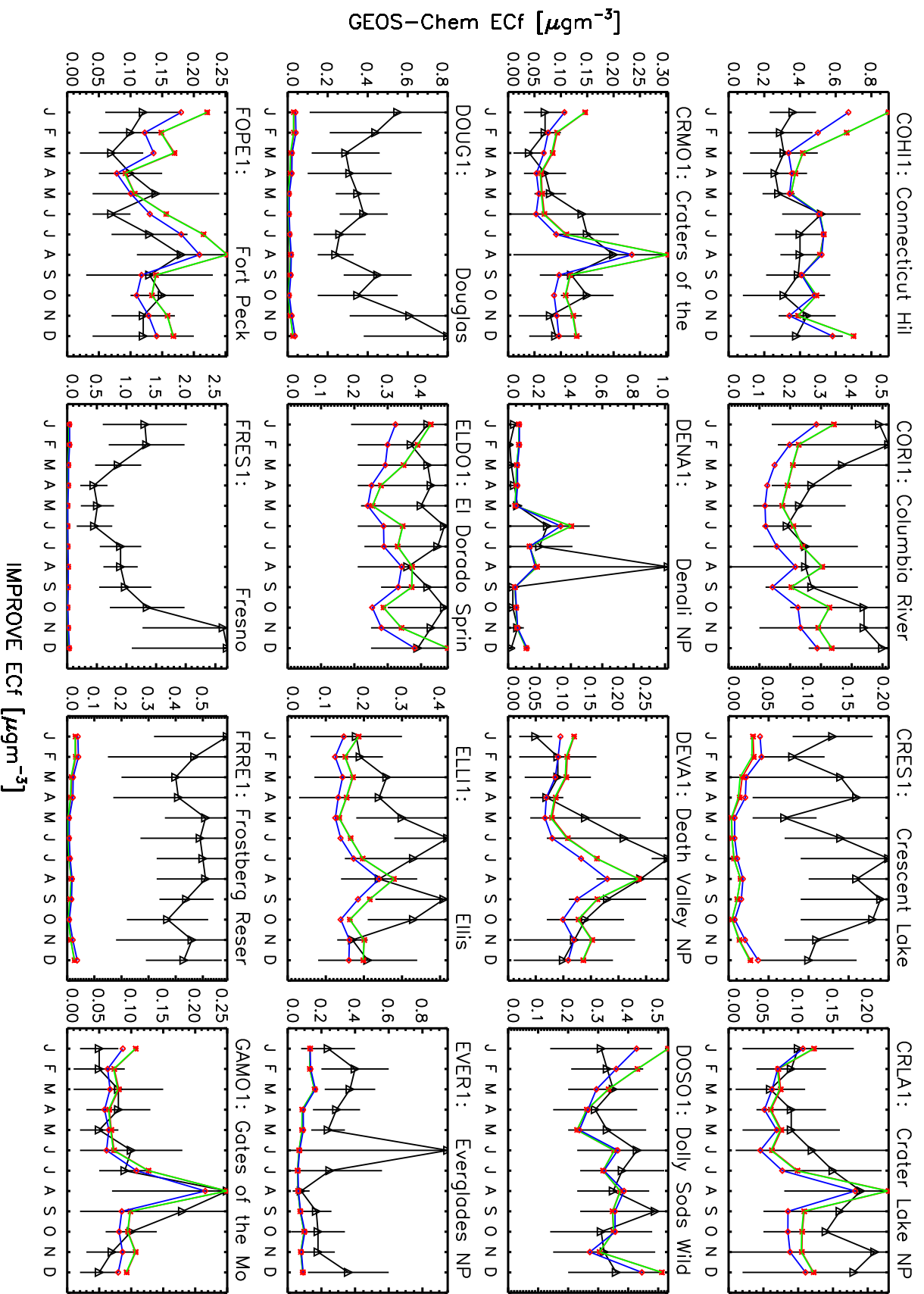
Red: v10-01-public-Run0 (2013); Green: v11-01b-Run0 (2013); Blue: v11-01d-Run0 (2013)



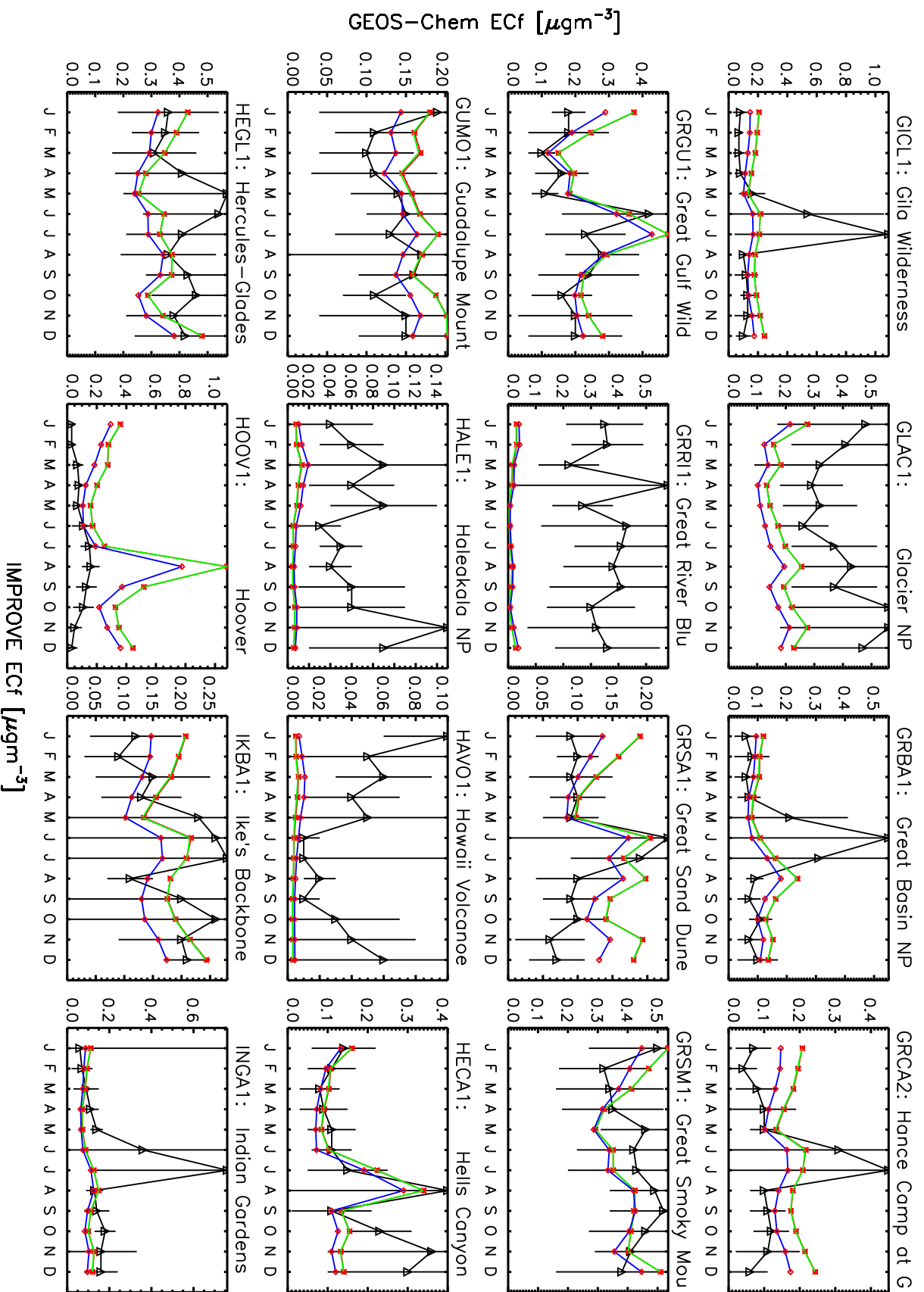
Red: v10-01-public-Run0 (2013); Green: v11-01b-Run0 (2013); Blue: v11-01d-Run0 (2013)



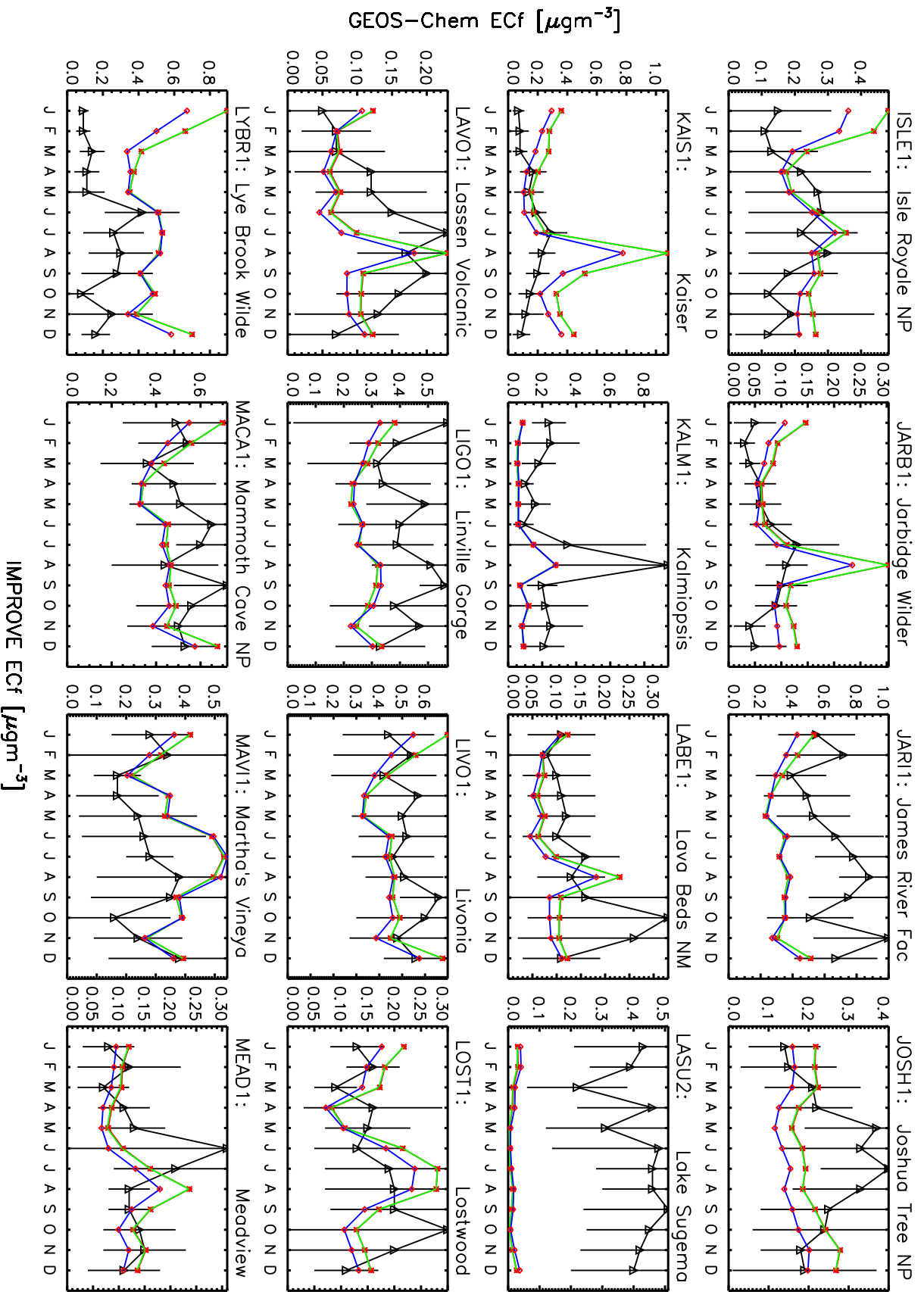
Red: v10-01-public-Run0 (2013); Green: v11-01b-Run0 (2013); Blue: v11-01d-Run0 (2013)



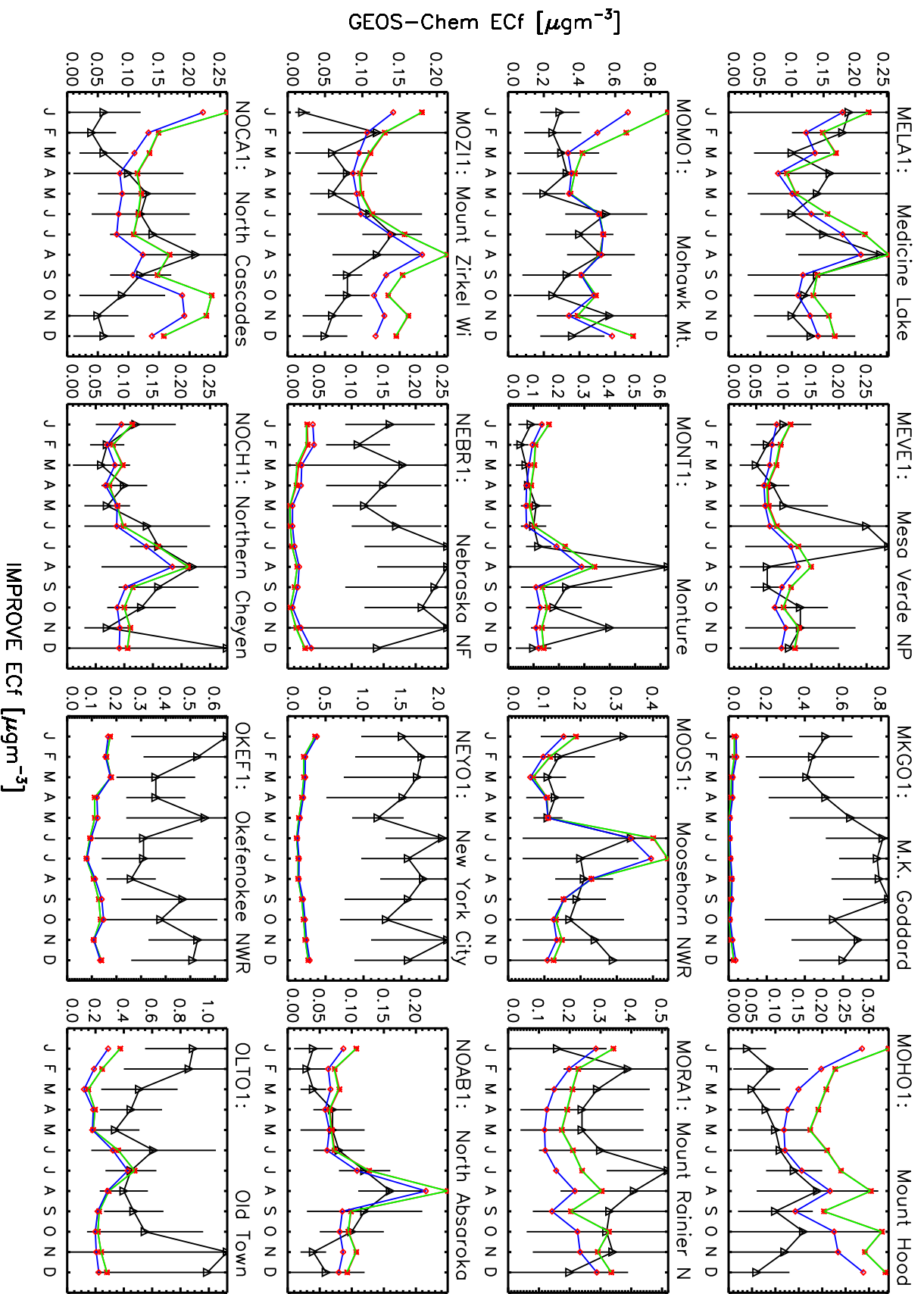
Red: v10-01-public-Run0 (2013); Green: v11-01b-Run0 (2013); Blue: v11-01d-Run0 (2013)



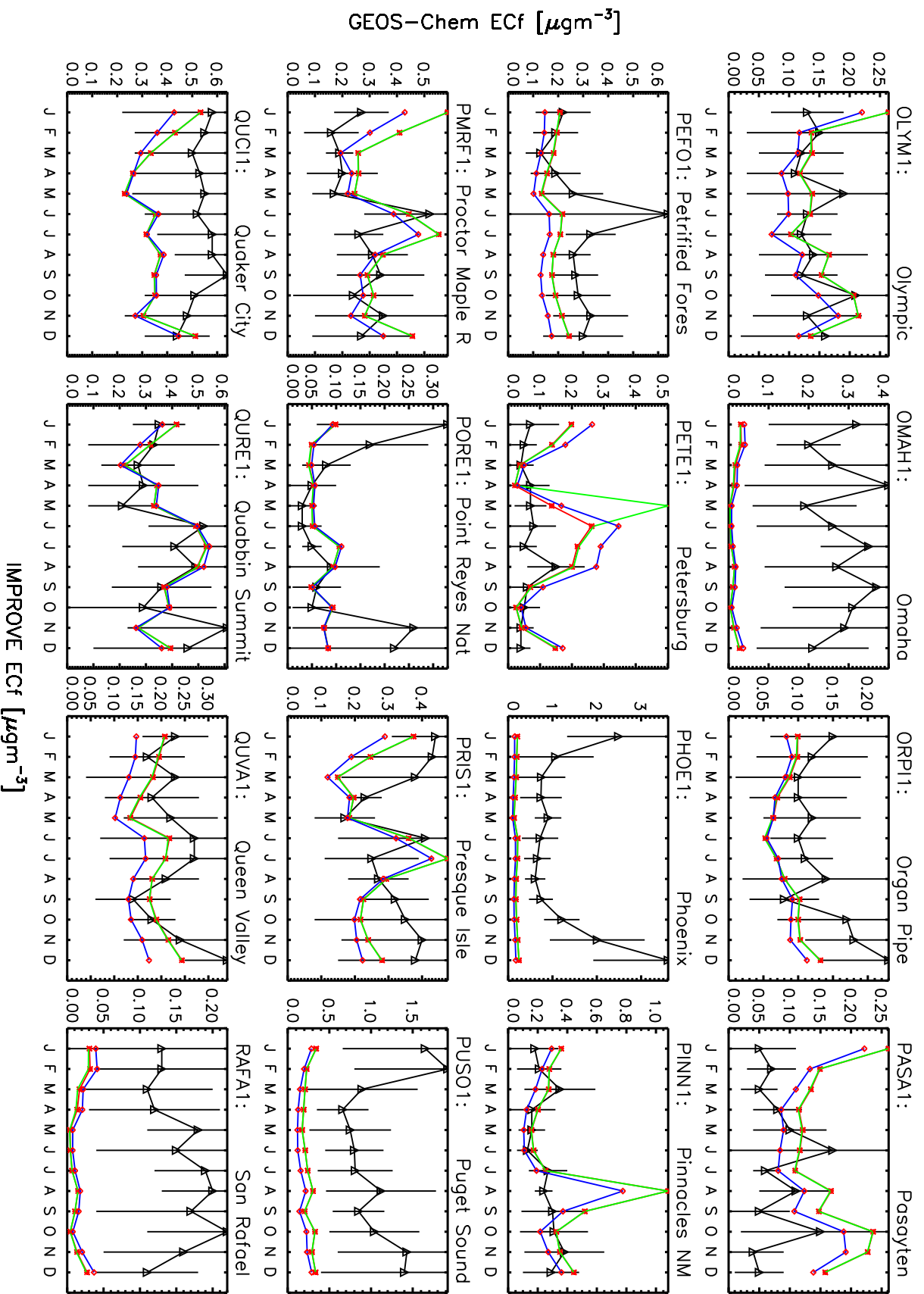
Red: v10-01-public-Run0 (2013); Green: v11-01b-Run0 (2013); Blue: v11-01d-Run0 (2013)



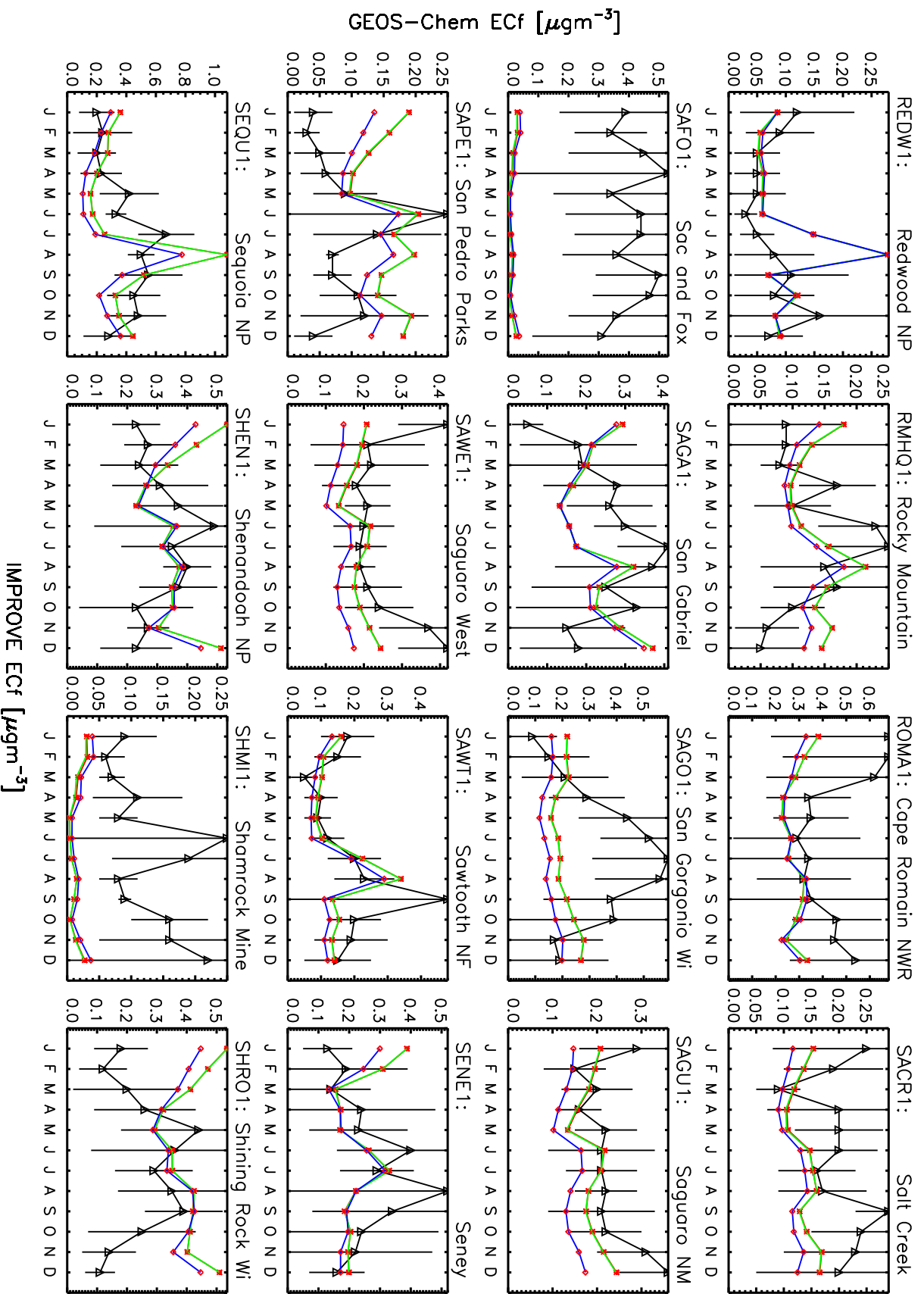
Red: v10-01-public-Run0 (2013); Green: v11-01b-Run0 (2013); Blue: v11-01d-Run0 (2013)



Red: v10-01-public-Run0 (2013); Green: v11-01b-Run0 (2013); Blue: v11-01d-Run0 (2013)



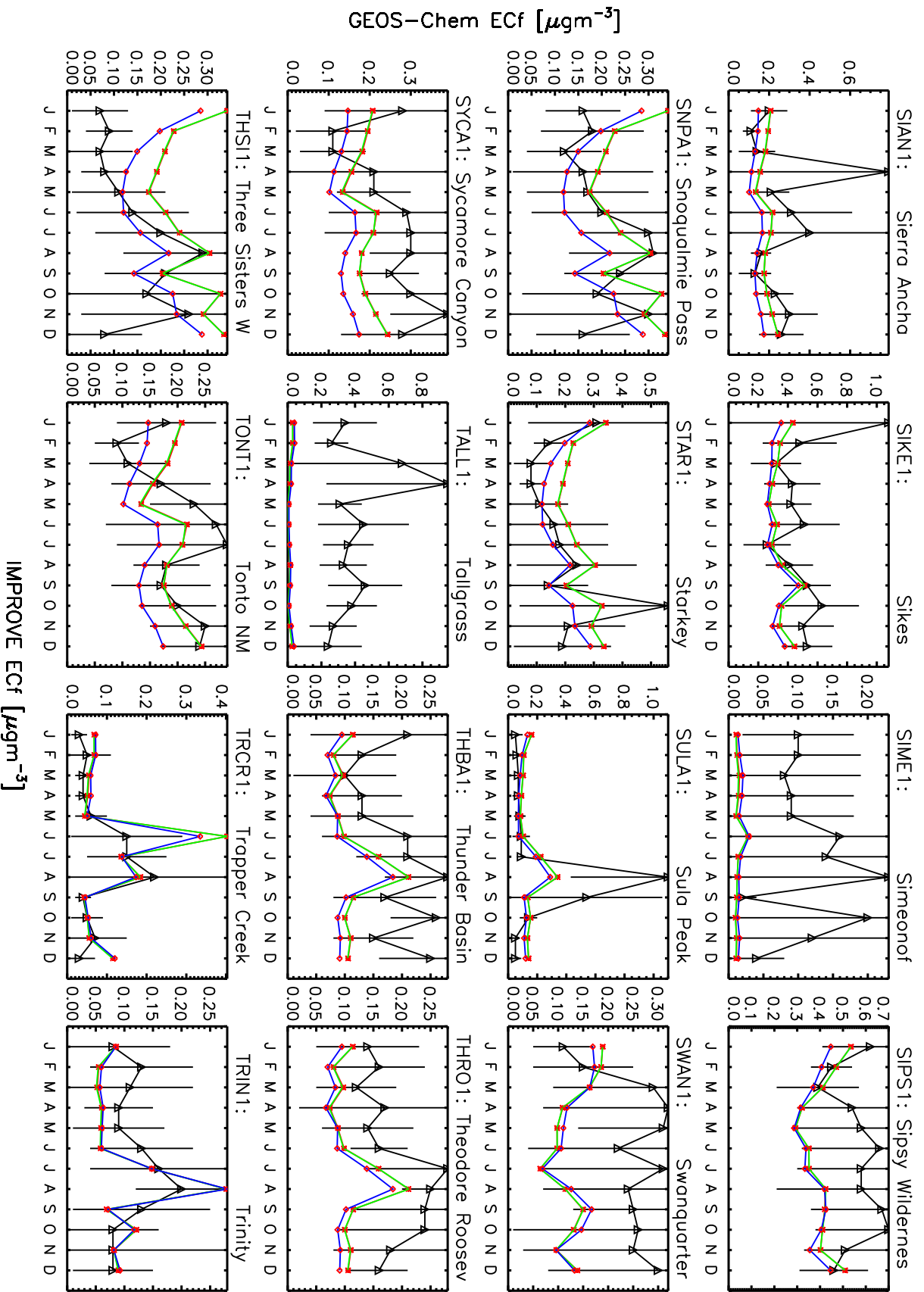
Red: v10-01-public-Run0 (2013); Green: v11-01b-Run0 (2013); Blue: v11-01d-Run0 (2013)



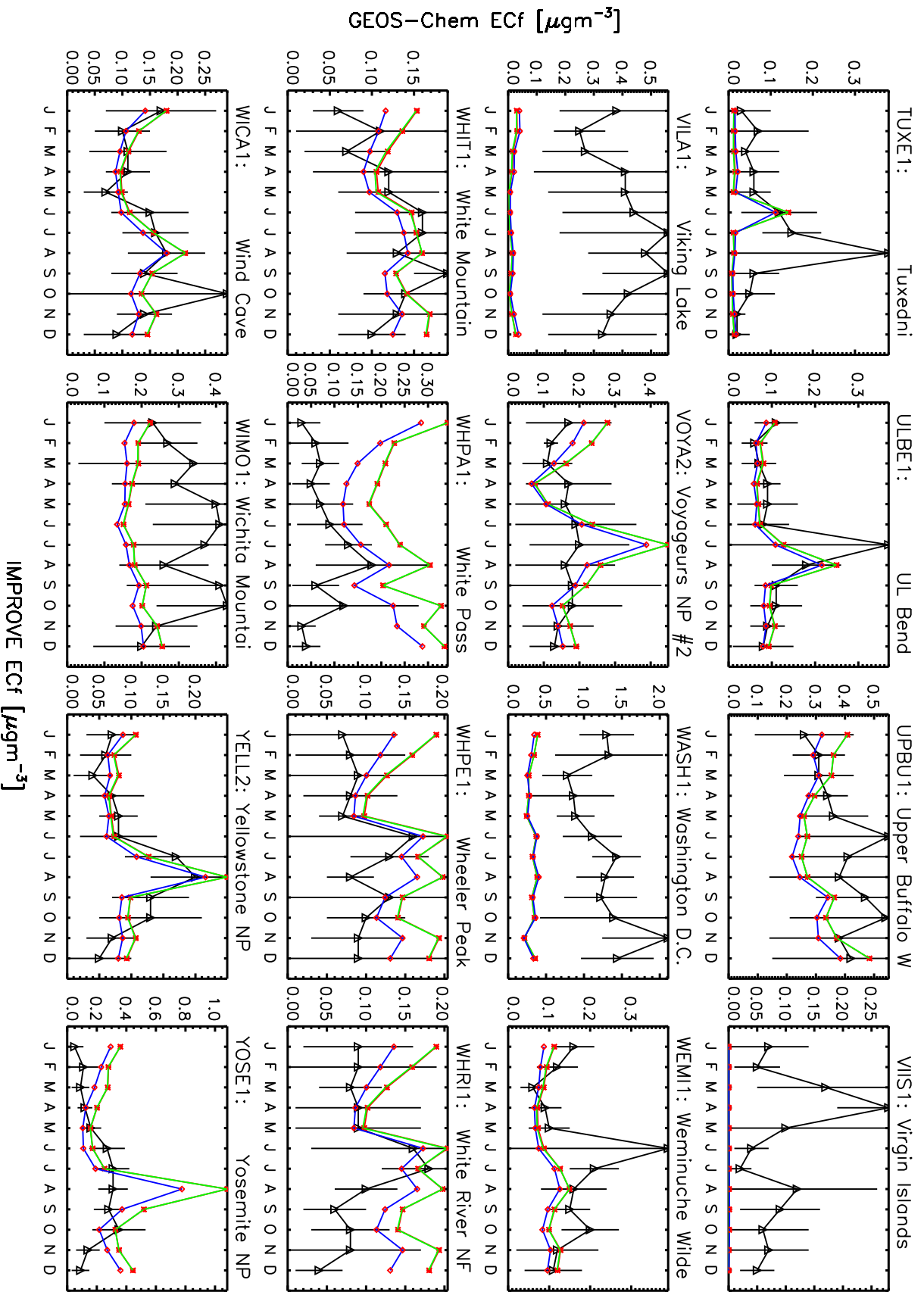
GEOS-Chem ECf [$\mu\text{g m}^{-3}$]

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

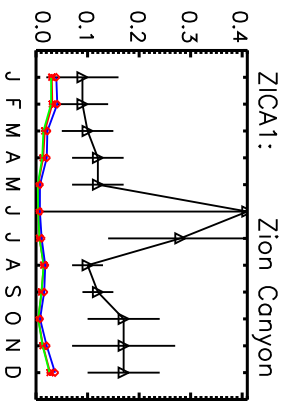
Red: v10-01-public-Run0 (2013); Green: v11-01b-Run0 (2013); Blue: v11-01d-Run0 (2013)



Red: v10-01-public-Run0 (2013); Green: v11-01b-Run0 (2013); Blue: v11-01d-Run0 (2013)



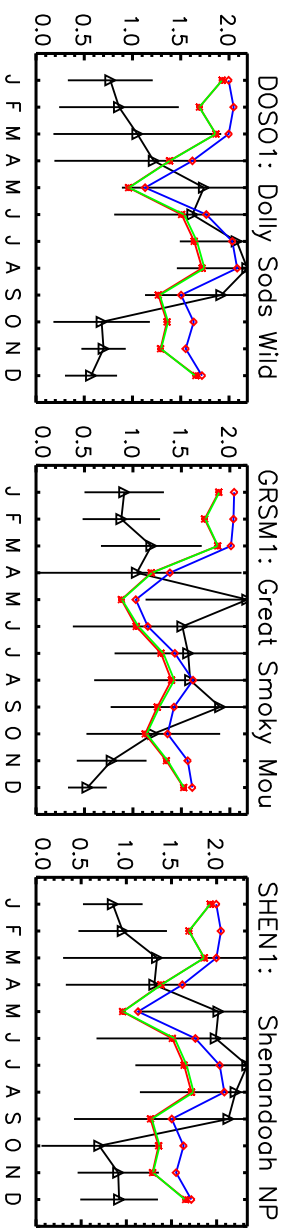
Red: v10-01-public-Run0 (2013); Green: v11-01b-Run0 (2013); Blue: v11-01d-Run0 (2013)



GEOS-Chem ECf [μgm⁻³]

IMPROVE ECf [μgm⁻³]

Red: v10-01-public-Run0 (2013); Green: v11-01b-Run0 (2013); Blue: v11-01d-Run0 (2013)



GEOS-Chem NH4f [μgm^{-3}]

IMPROVE NH4f [μgm^{-3}]