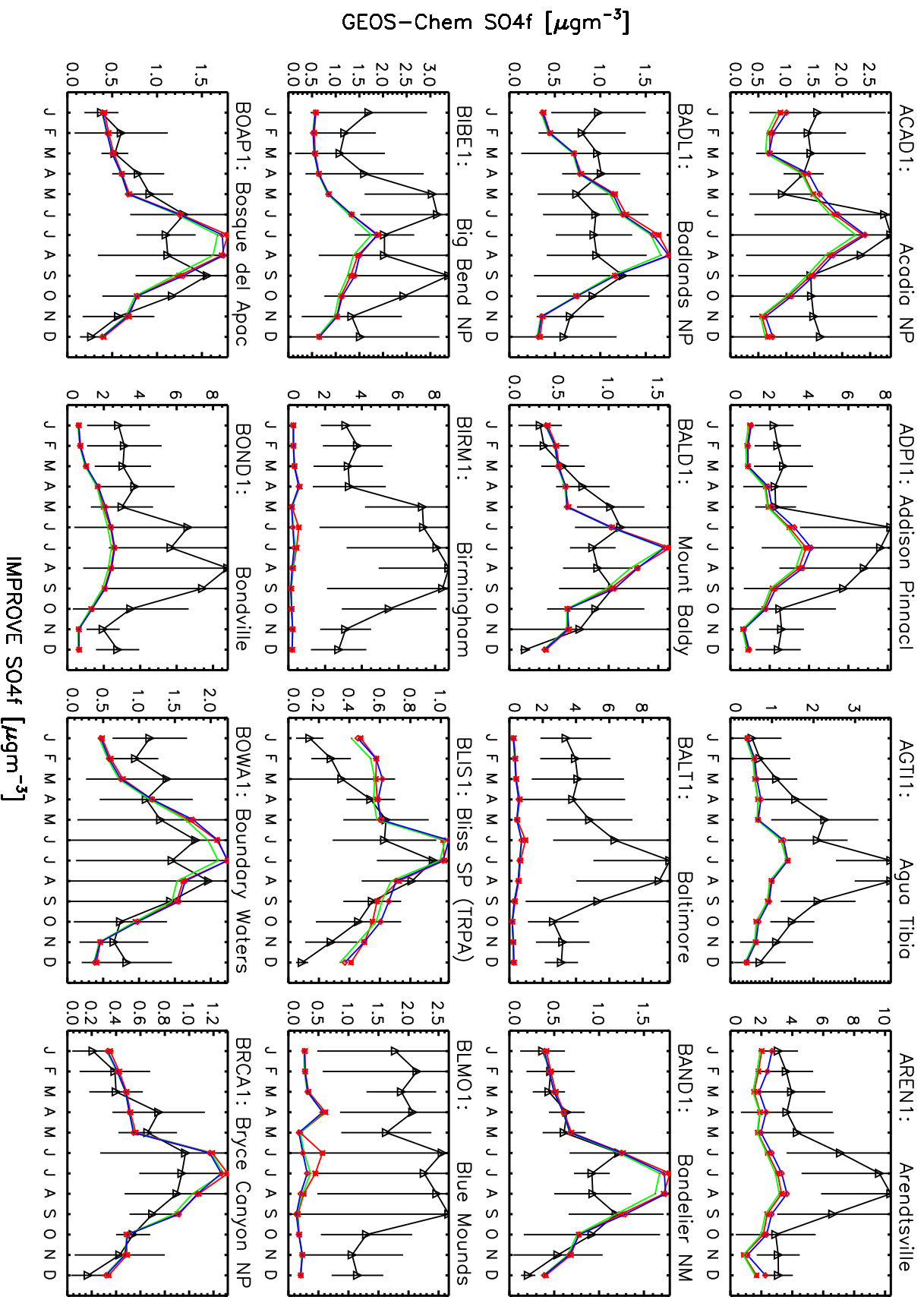
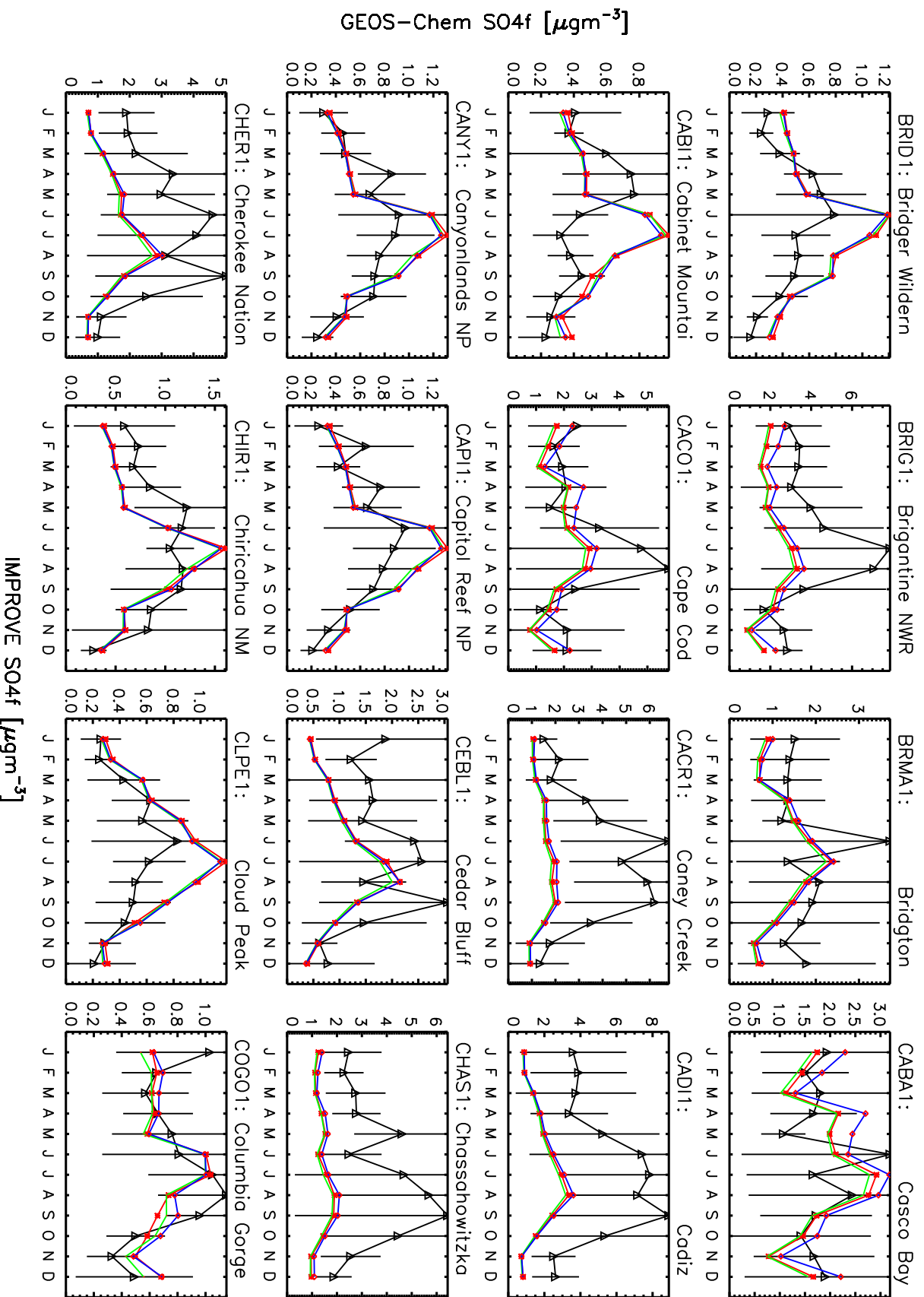


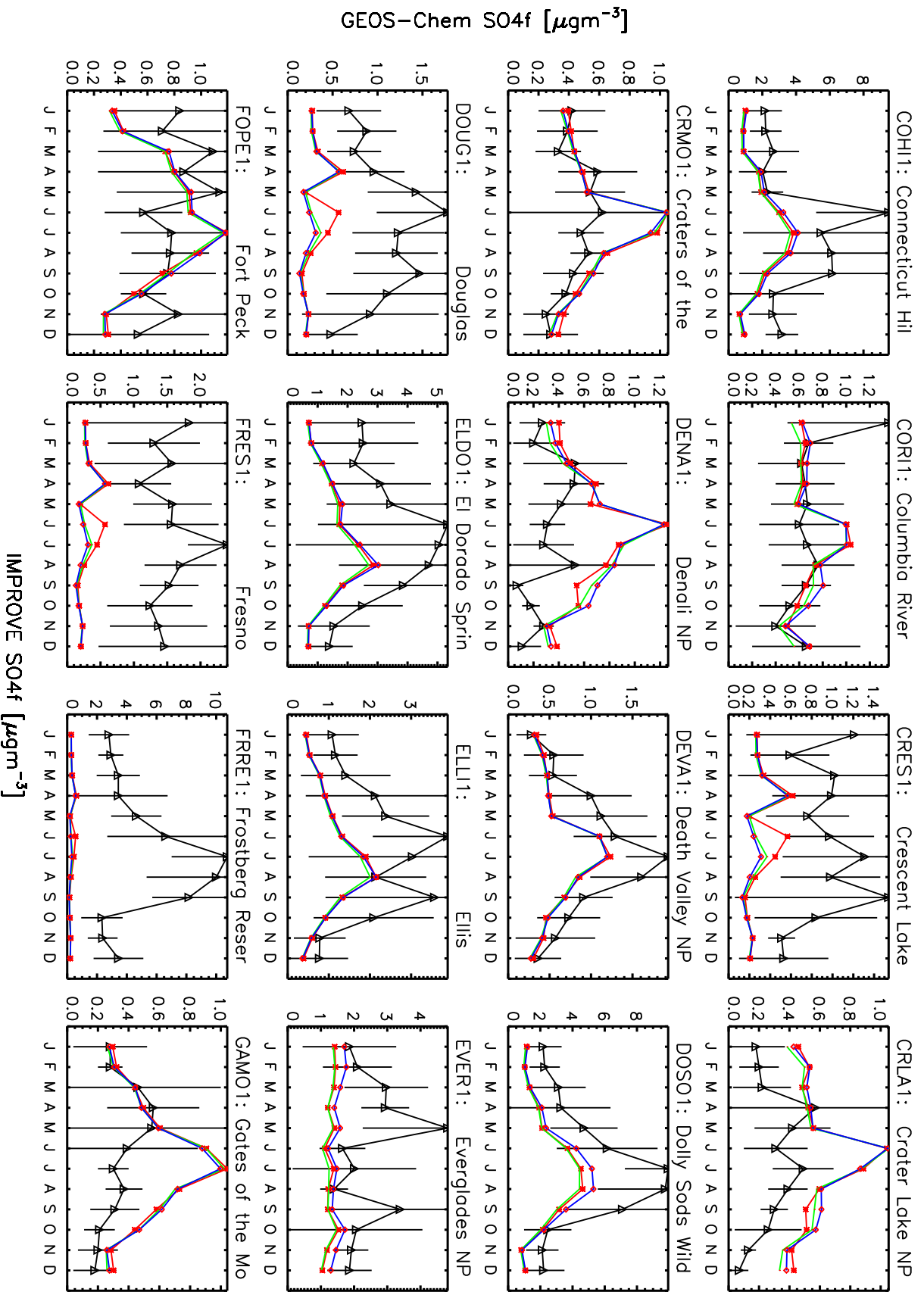
Red: v11-01b-Run0 (2013); Green: v11-01d-Run1 (2013); Blue: v11-01f-geosfp-Run0 (2013)



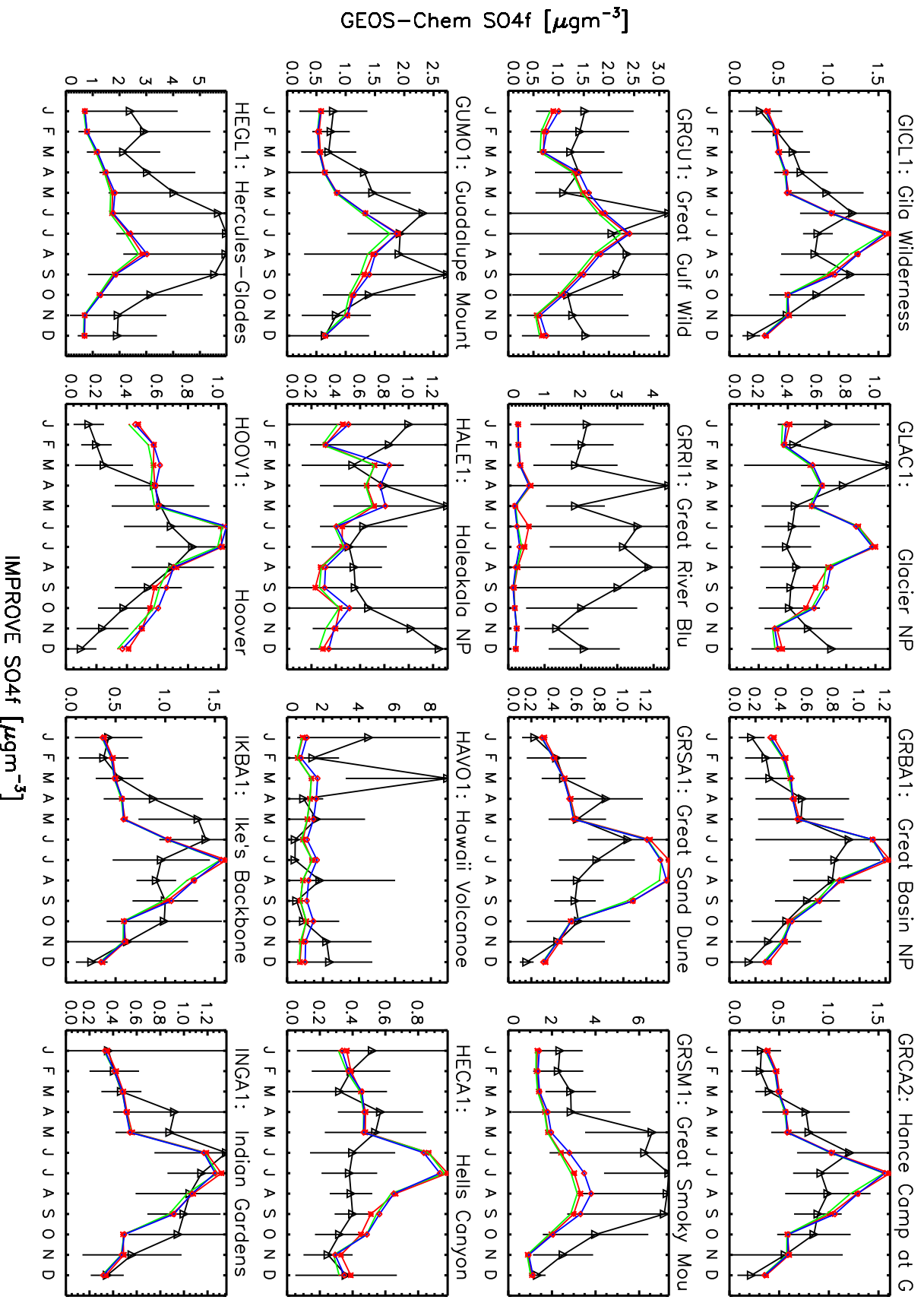
Red: v11-01b-Run0 (2013); Green: v11-01d-Run1 (2013); Blue: v11-01f-geosfp-Run0 (2013)



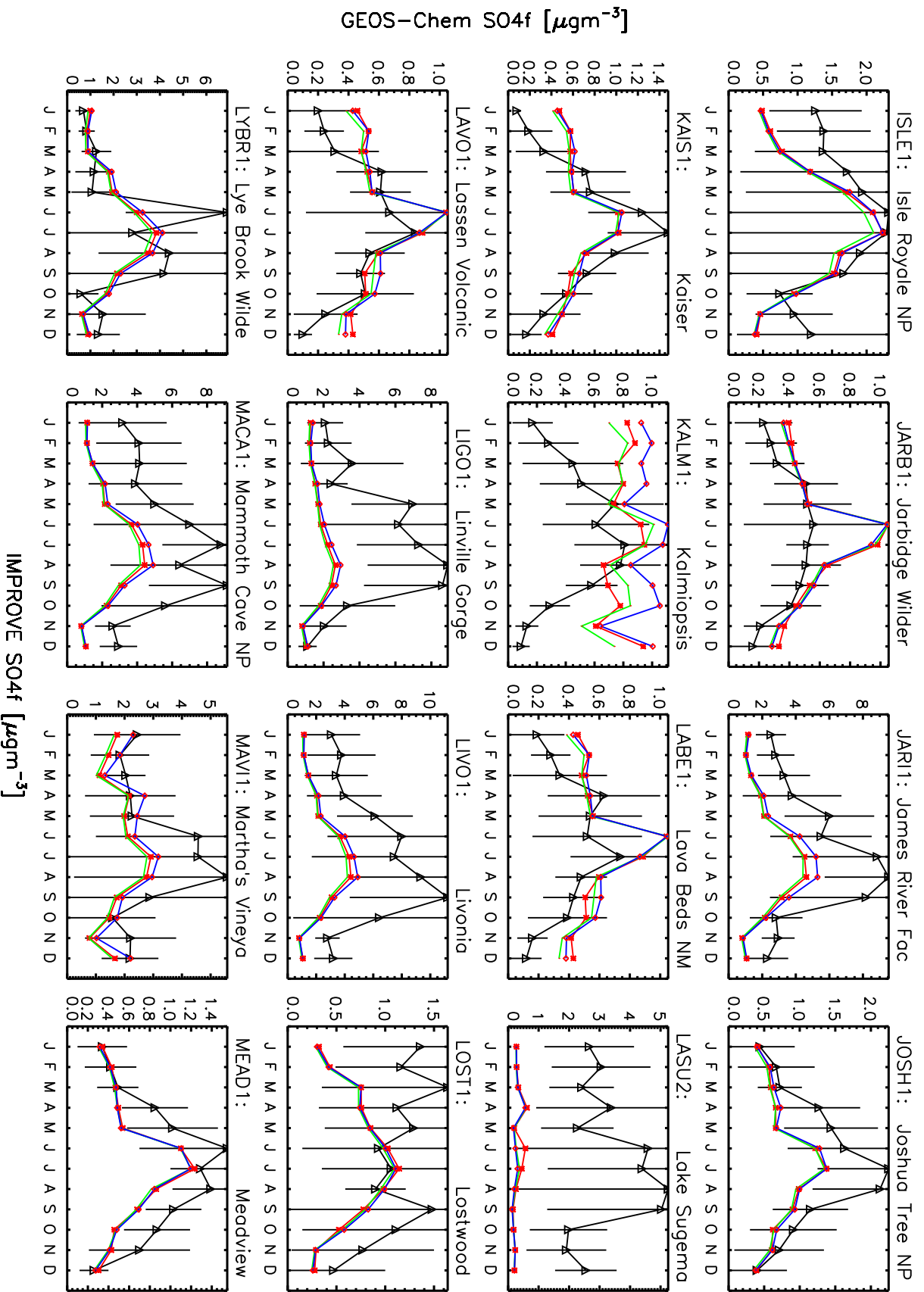
Red: v11-01b-Run0 (2013); Green: v11-01d-Run1 (2013); Blue: v11-01f-geosfp-Run0 (2013)



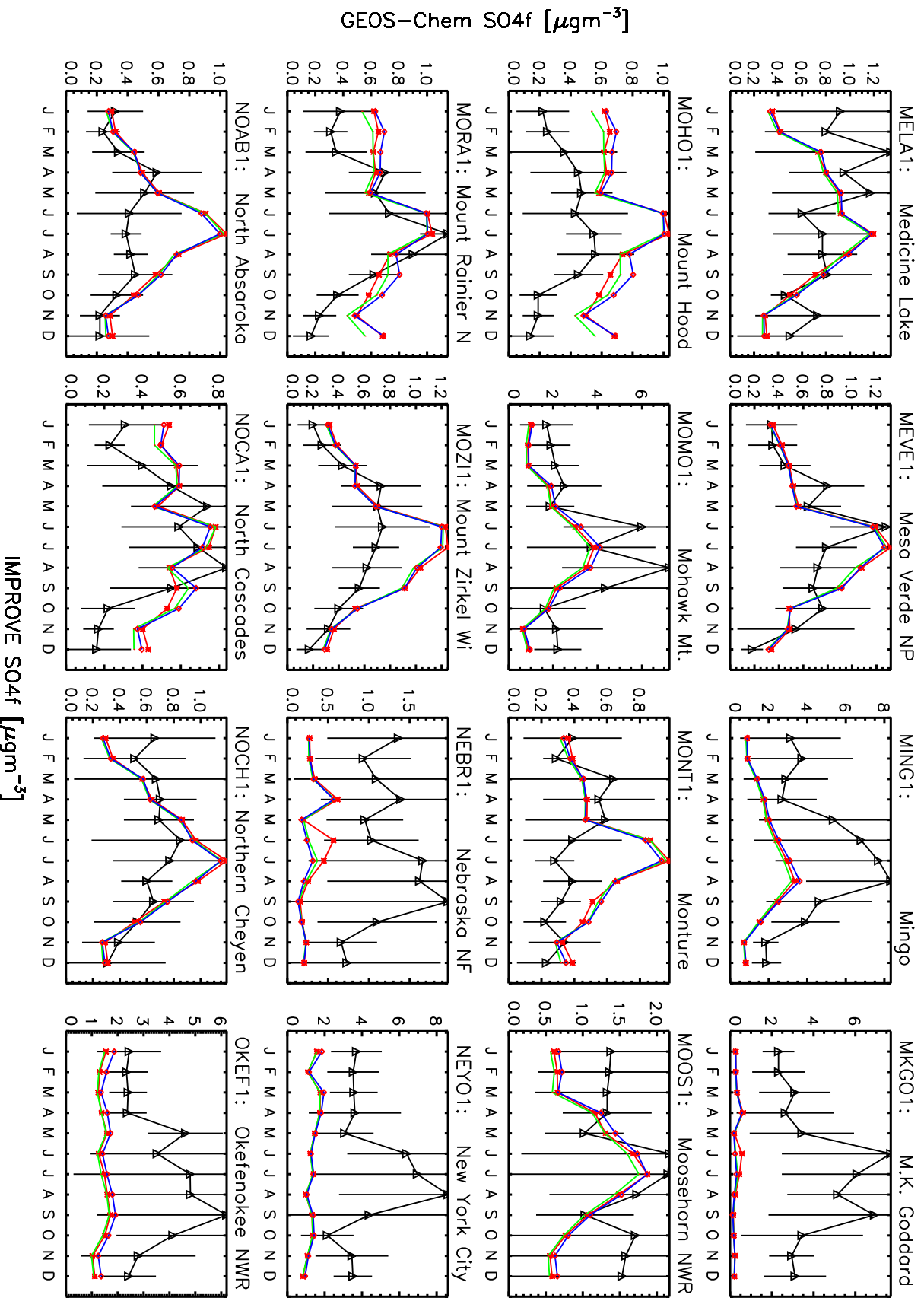
Red: v11-01b-Run0 (2013); Green: v11-01d-Run1 (2013); Blue: v11-01f-geosfp-Run0 (2013)



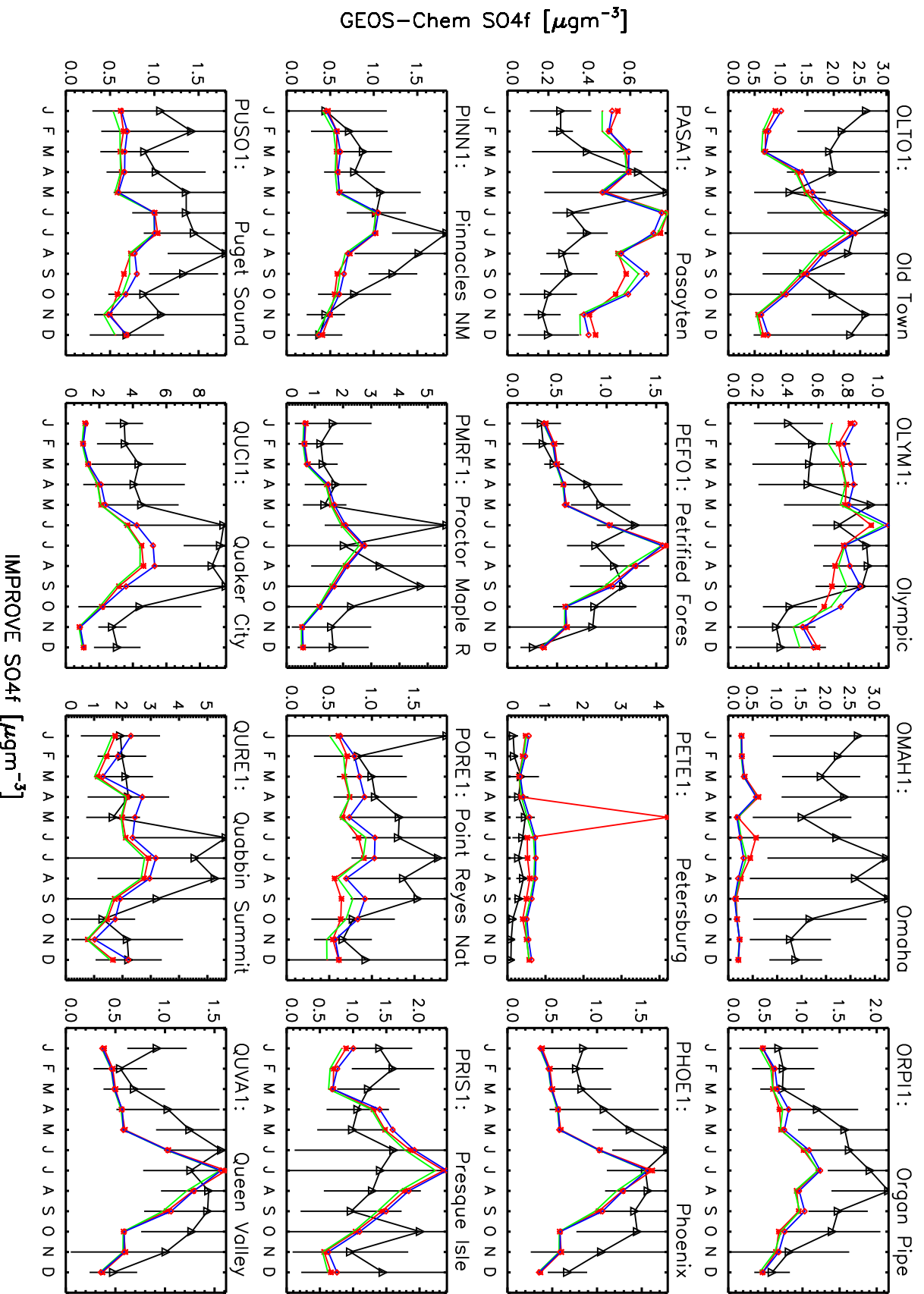
Red: v11-01b-Run0 (2013); Green: v11-01d-Run1 (2013); Blue: v11-01f-geosfp-Run0 (2013)



Red: v11-01b-Run0 (2013); Green: v11-01d-Run1 (2013); Blue: v11-01f-geosfp-Run0 (2013)

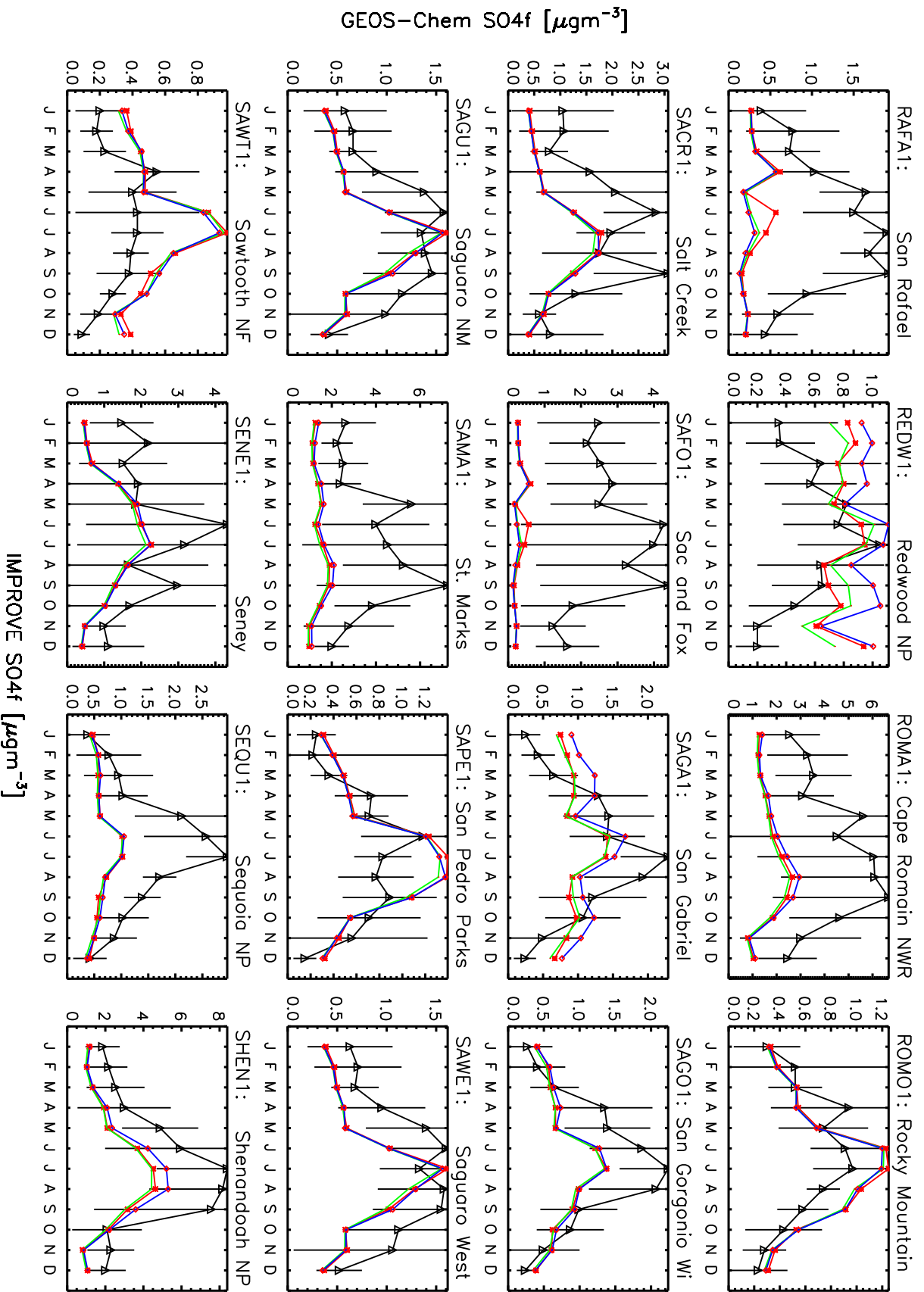


Red: v11-01b-Run0 (2013); Green: v11-01d-Run1 (2013); Blue: v11-01f-geosfp-Run0 (2013)

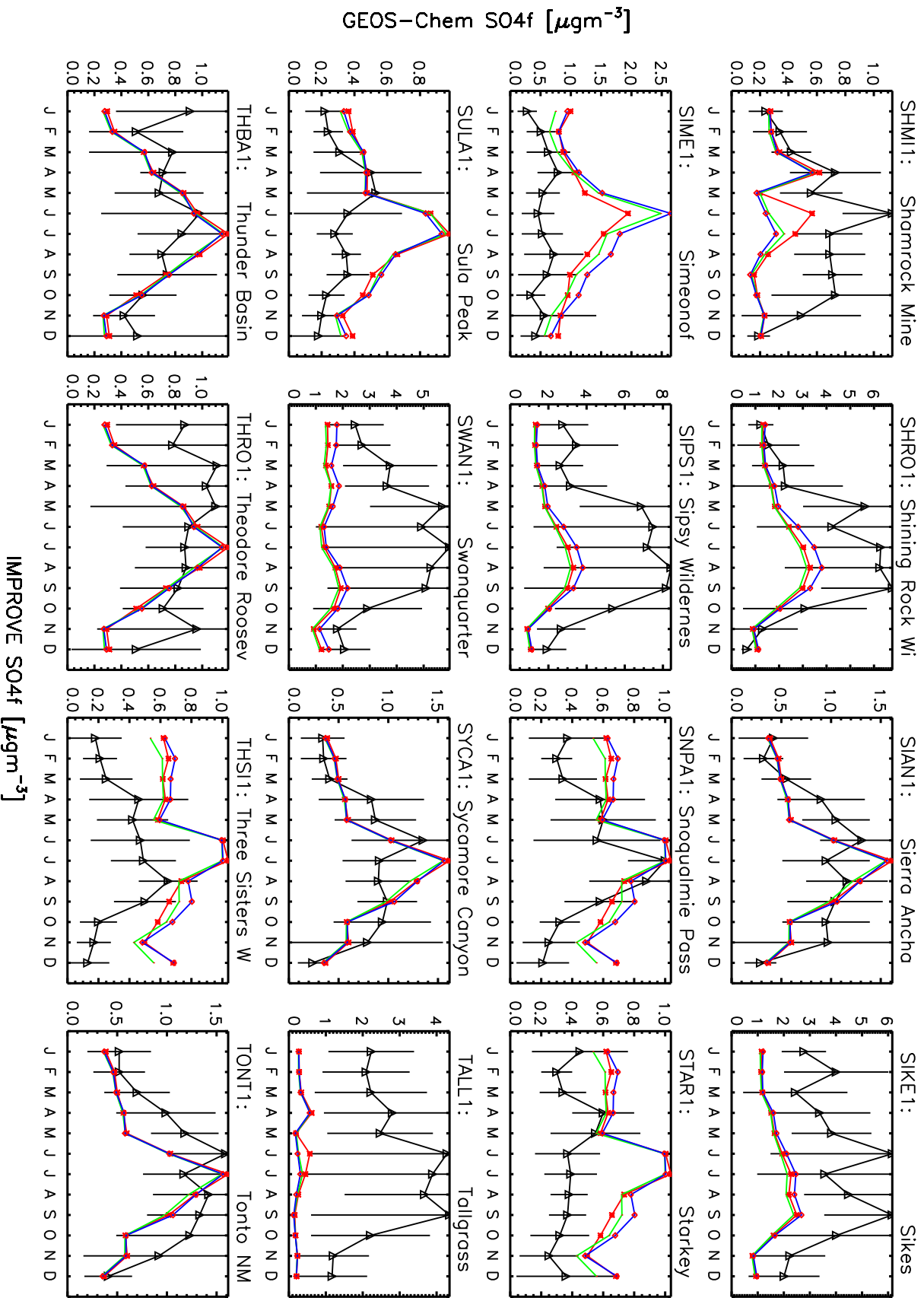


IMPROVE SO₄f [μgm^{-3}]

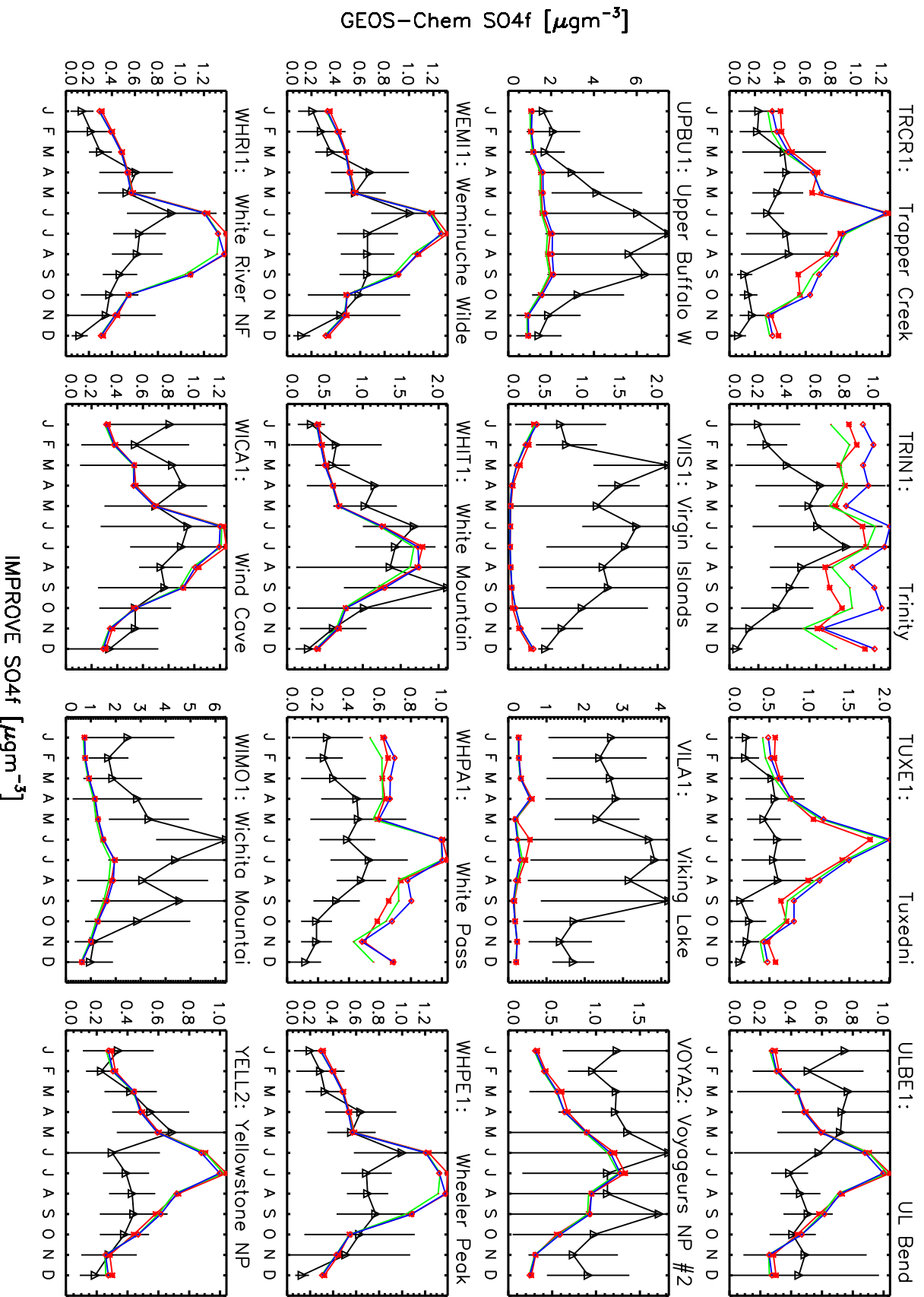
Red: v11-01b-Run0 (2013); Green: v11-01d-Run1 (2013); Blue: v11-01f-geosfp-Run0 (2013)



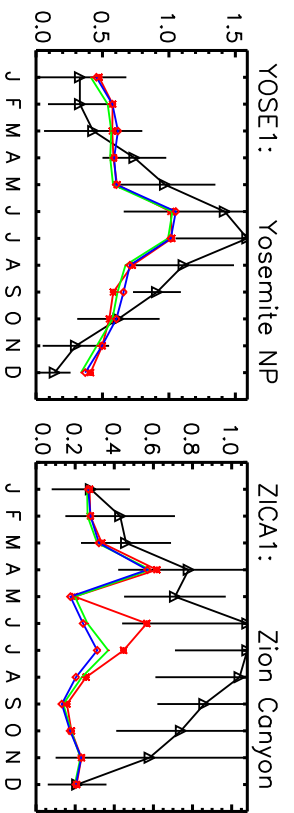
Red: v11-01b-Run0 (2013); Green: v11-01d-Run1 (2013); Blue: v11-01f-geosfp-Run0 (2013)



Red: v11-01b-Run0 (2013); Green: v11-01d-Run1 (2013); Blue: v11-01f-geosfp-Run0 (2013)



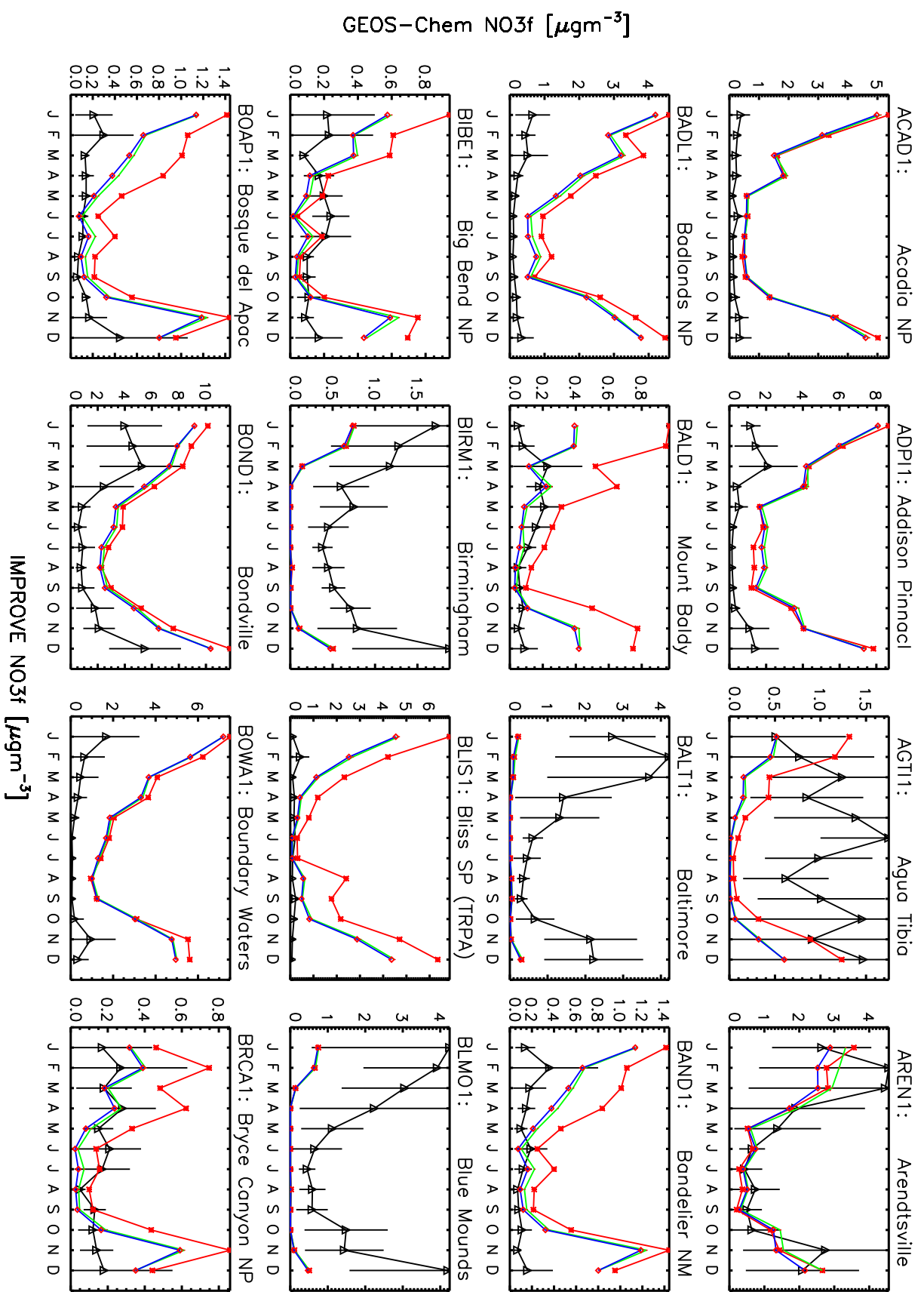
Red: v11-01b-Run0 (2013); Green: v11-01d-Run1 (2013); Blue: v11-01f-geosfp-Run0 (2013)



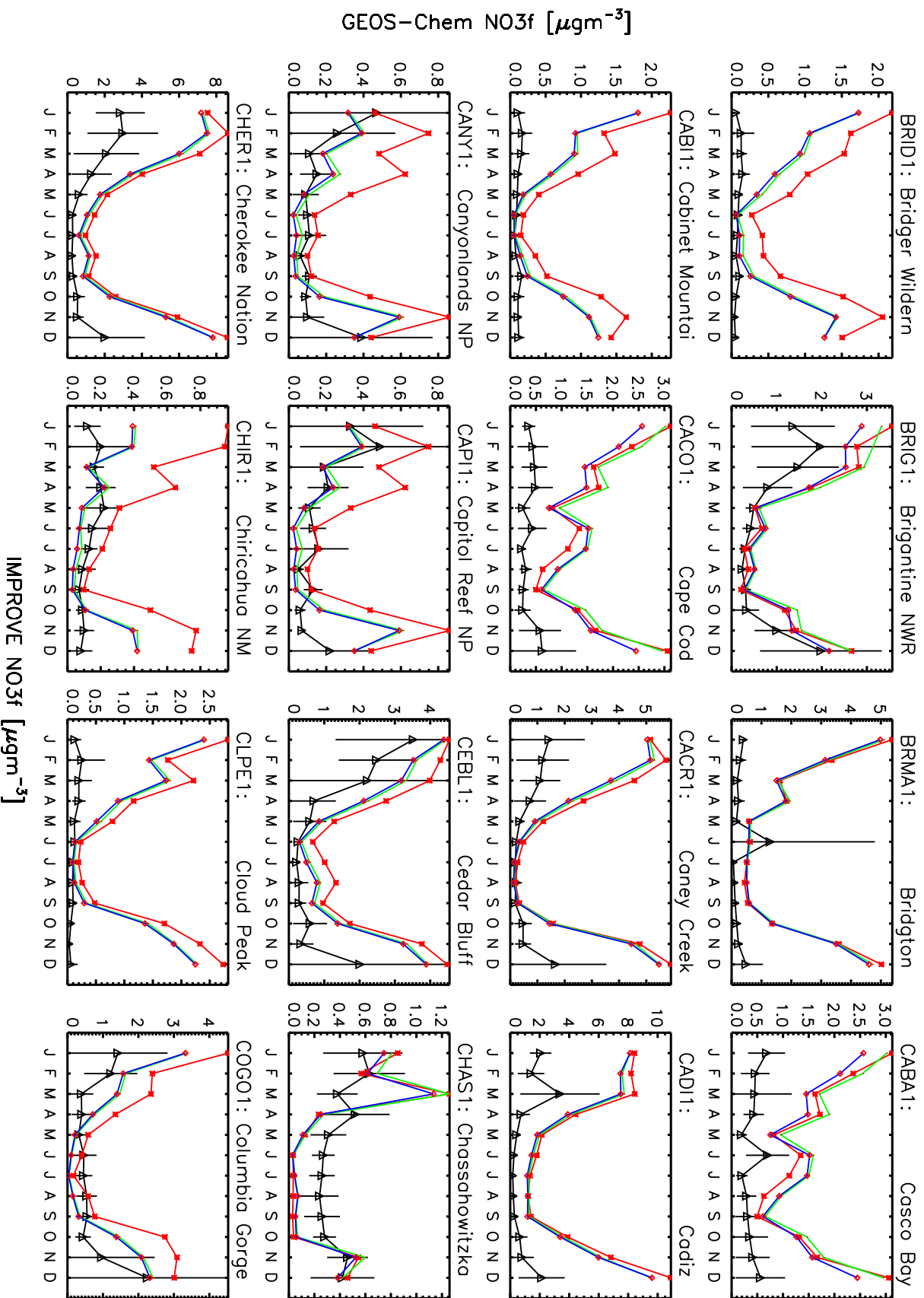
GEOS-Chem SO4f [$\mu\text{g m}^{-3}$]

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

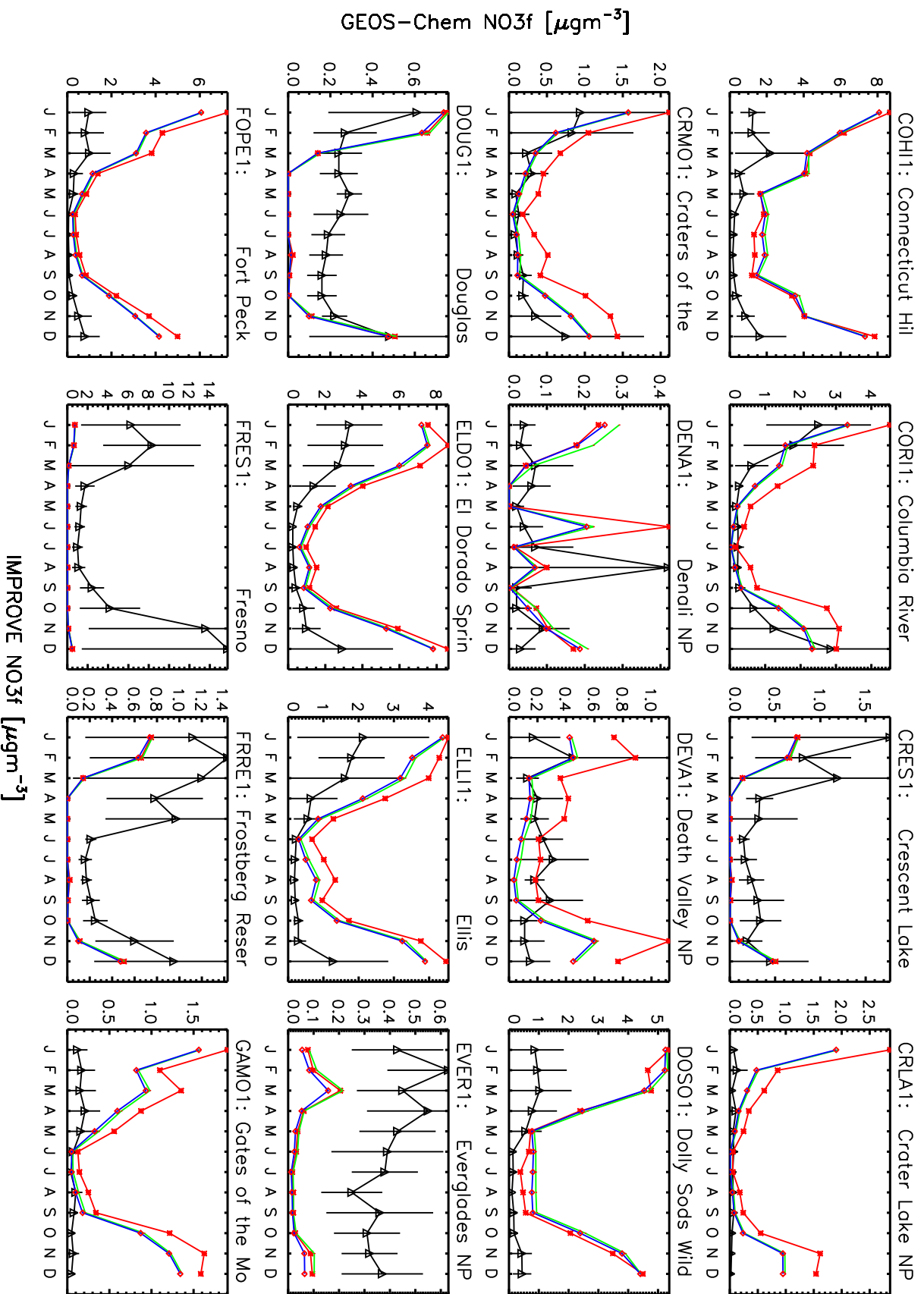
Red: v11-01b-Run0 (2013); Green: v11-01d-Run1 (2013); Blue: v11-01f-geosfp-Run0 (2013)



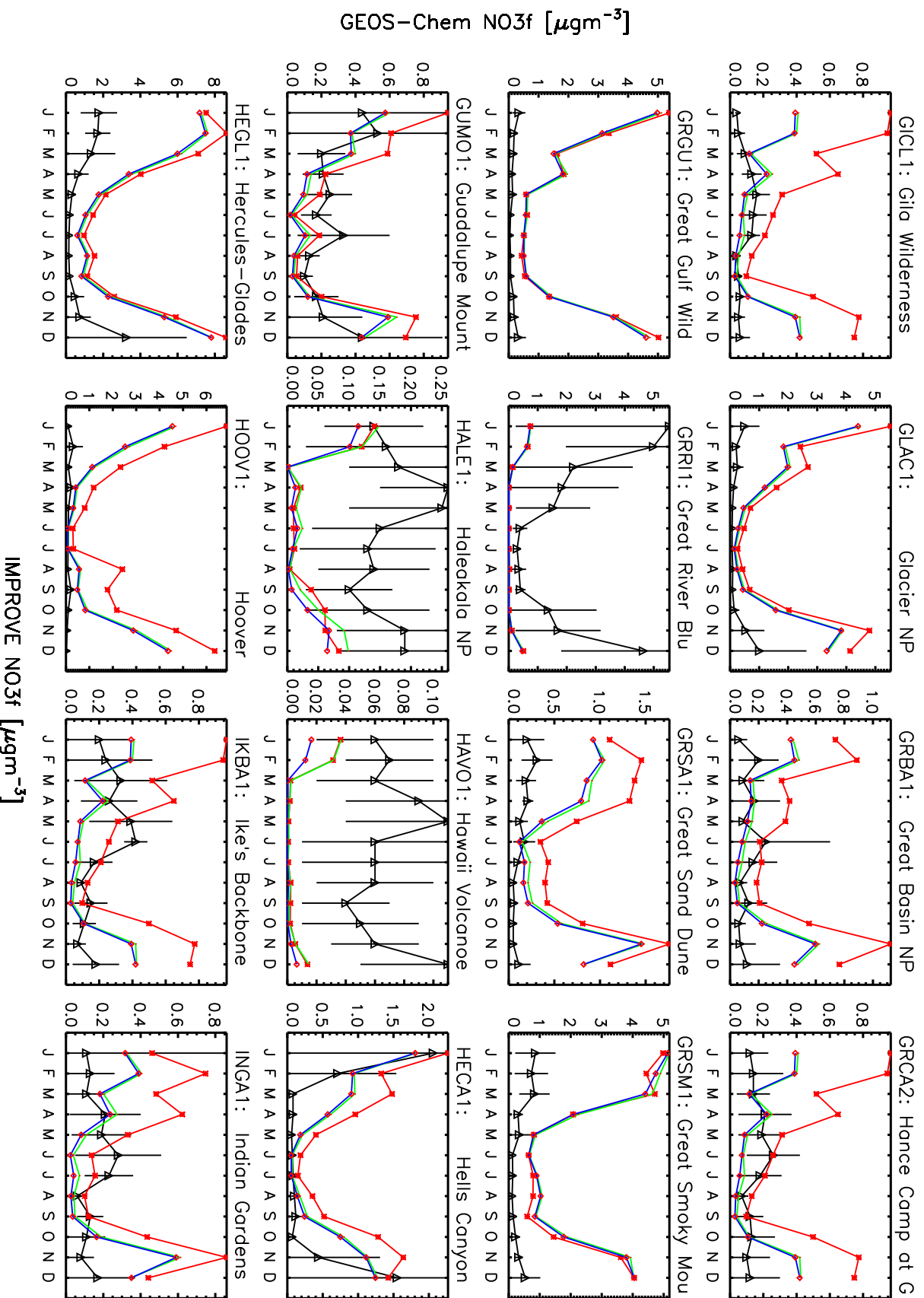
Red: v11-01b-Run0 (2013); Green: v11-01d-Run1 (2013); Blue: v11-01f-geosfp-Run0 (2013)



Red: v11-01b-Run0 (2013); Green: v11-01d-Run1 (2013); Blue: v11-01f-geosfp-Run0 (2013)

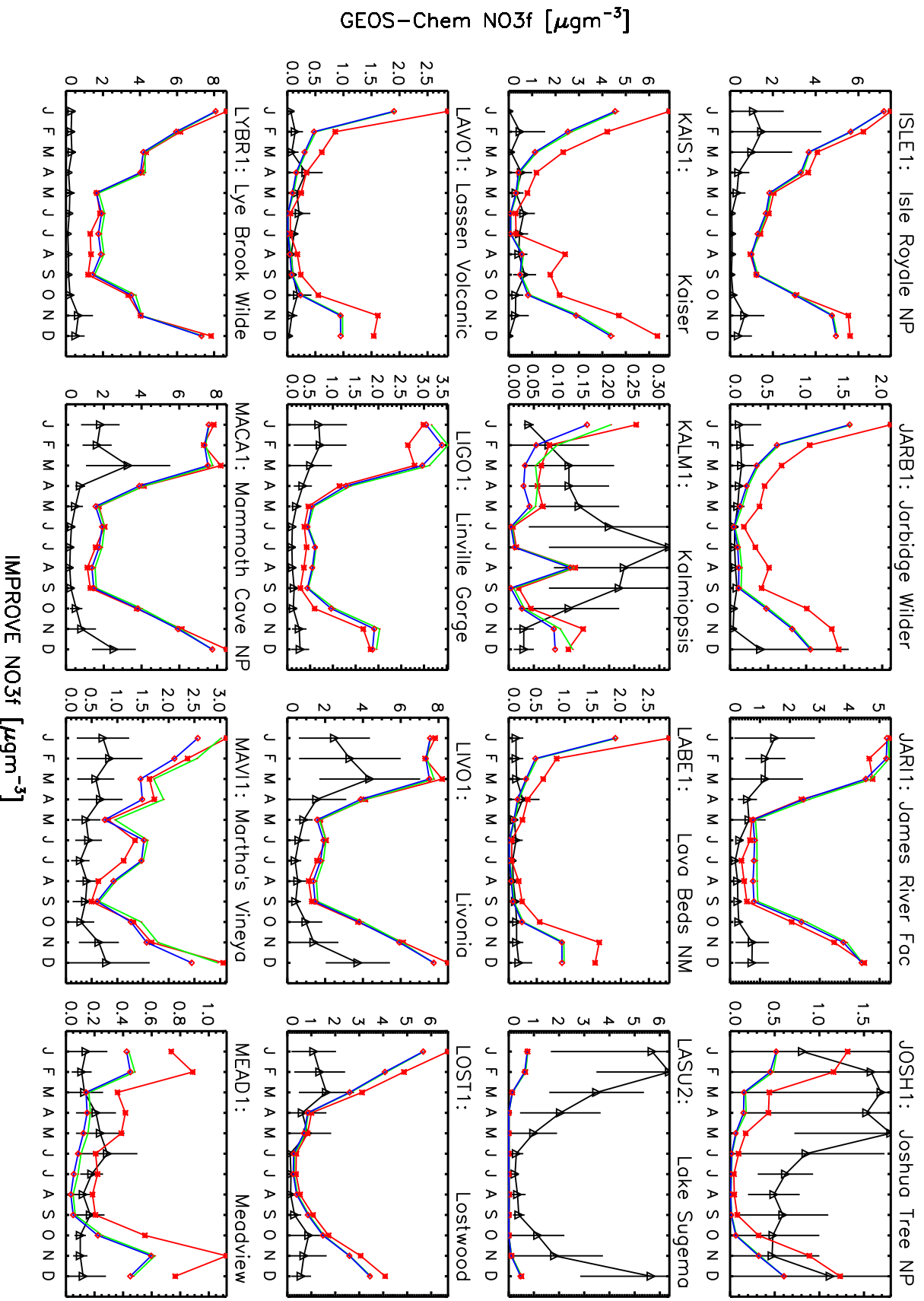


Red: v11-01b-Run0 (2013); Green: v11-01d-Run1 (2013); Blue: v11-01f-geosfp-Run0 (2013)

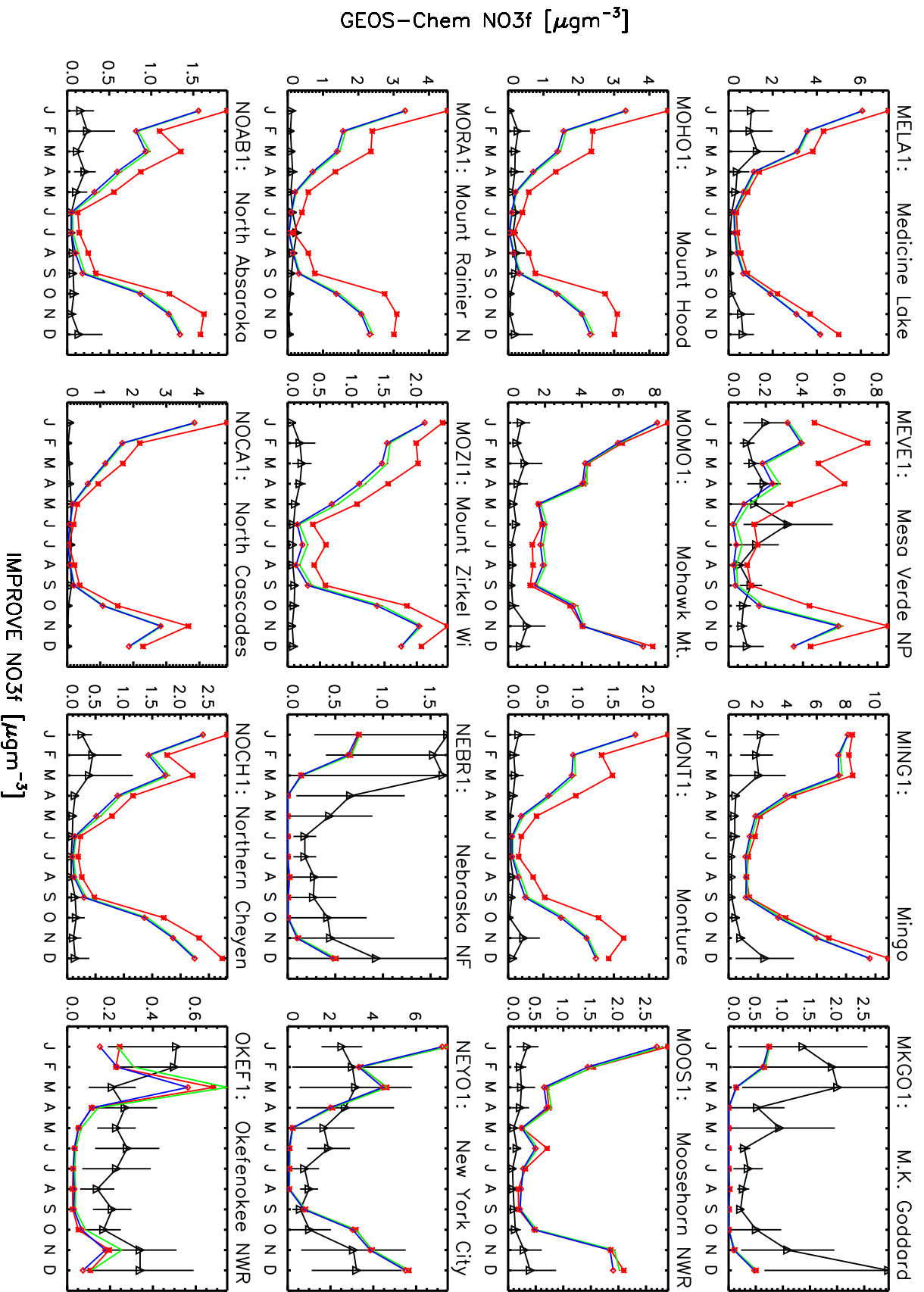


IMPROVE NO₃f [μgm^{-3}]

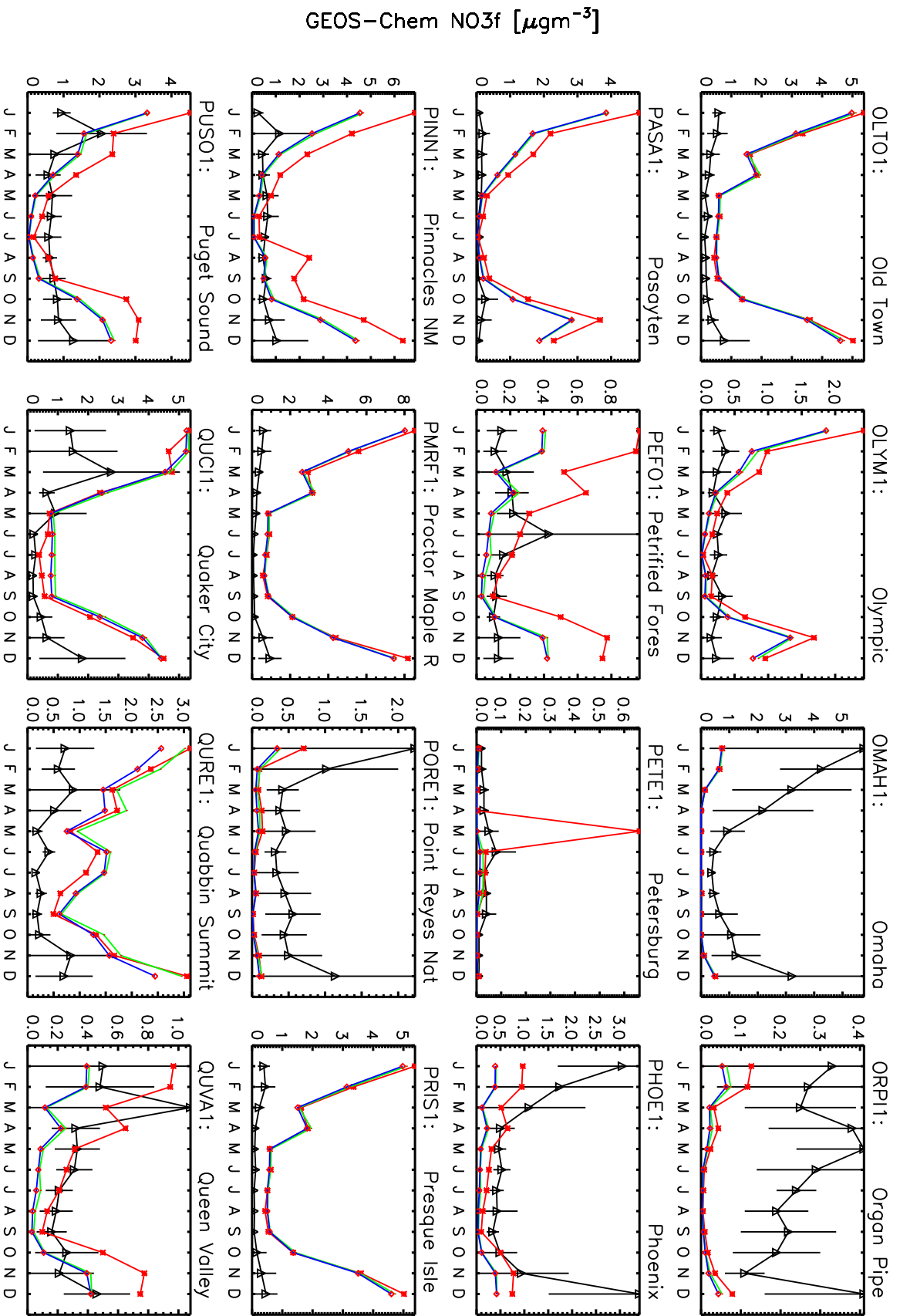
Red: v11-01b-Run0 (2013); Green: v11-01d-Run1 (2013); Blue: v11-01f-geosfp-Run0 (2013)



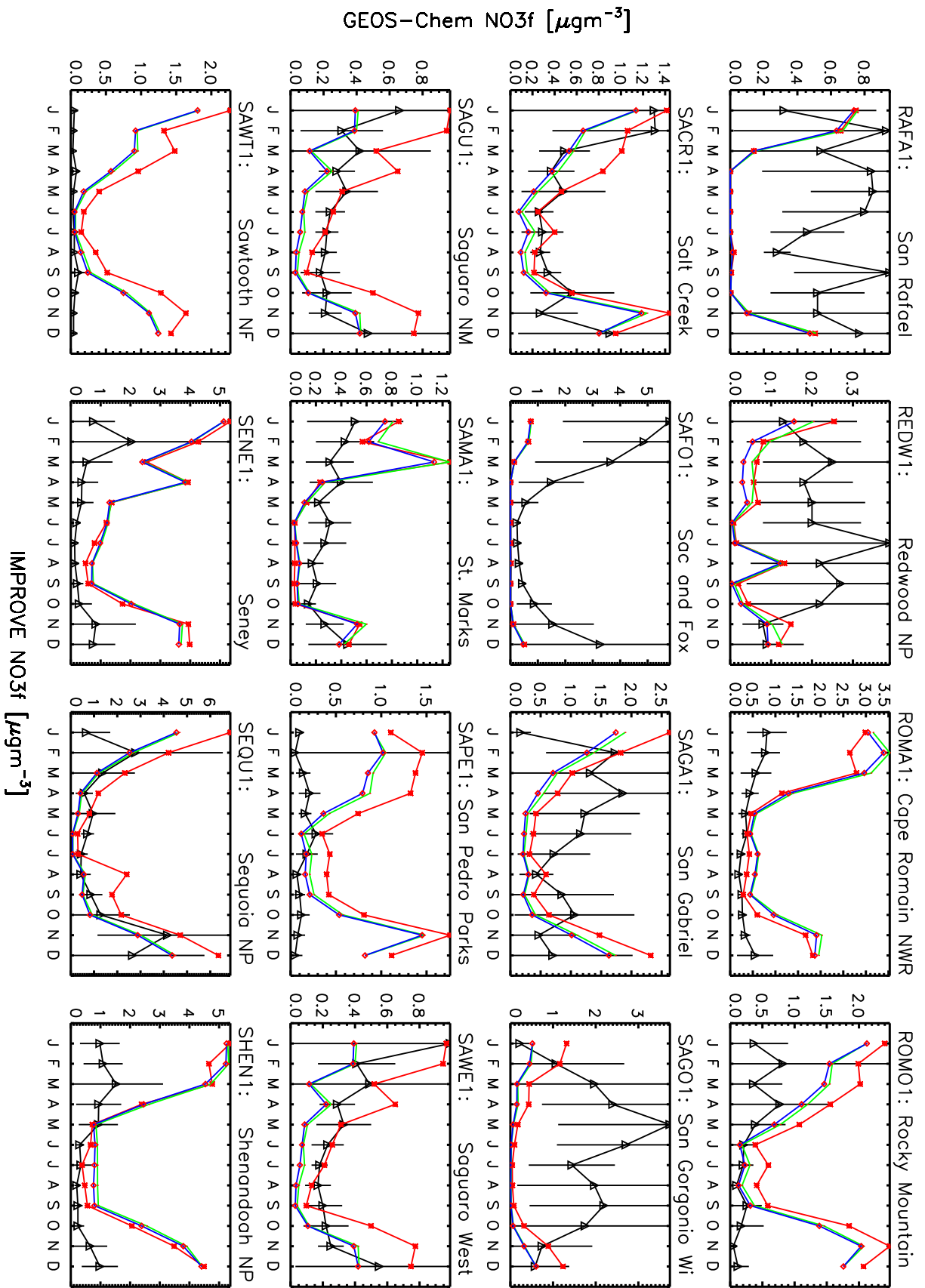
Red: v11-01b-Run0 (2013); Green: v11-01d-Run1 (2013); Blue: v11-01f-geosfp-Run0 (2013)



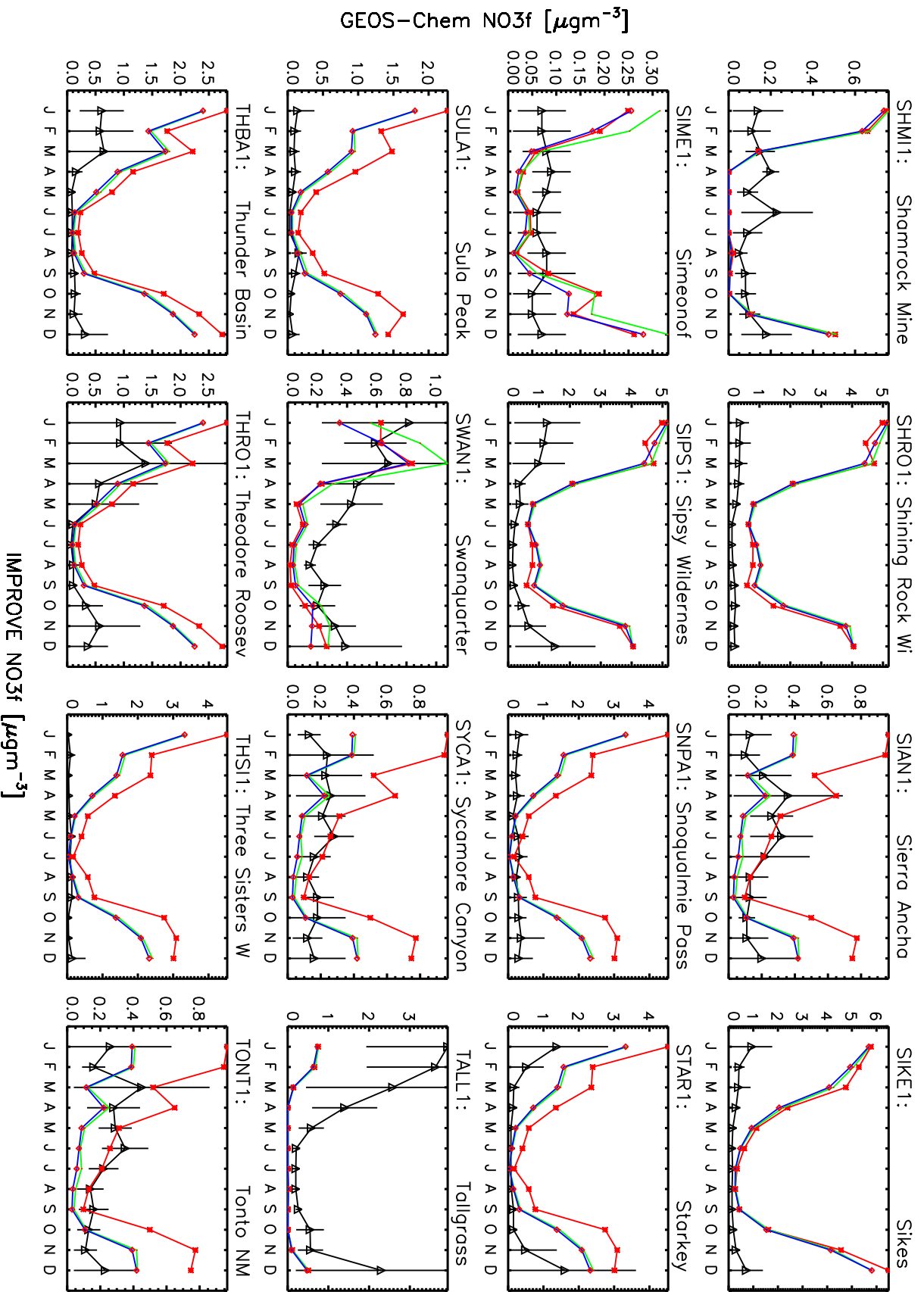
Red: v11-01b-Run0 (2013); Green: v11-01d-Run1 (2013); Blue: v11-01f-geosfp-Run0 (2013)



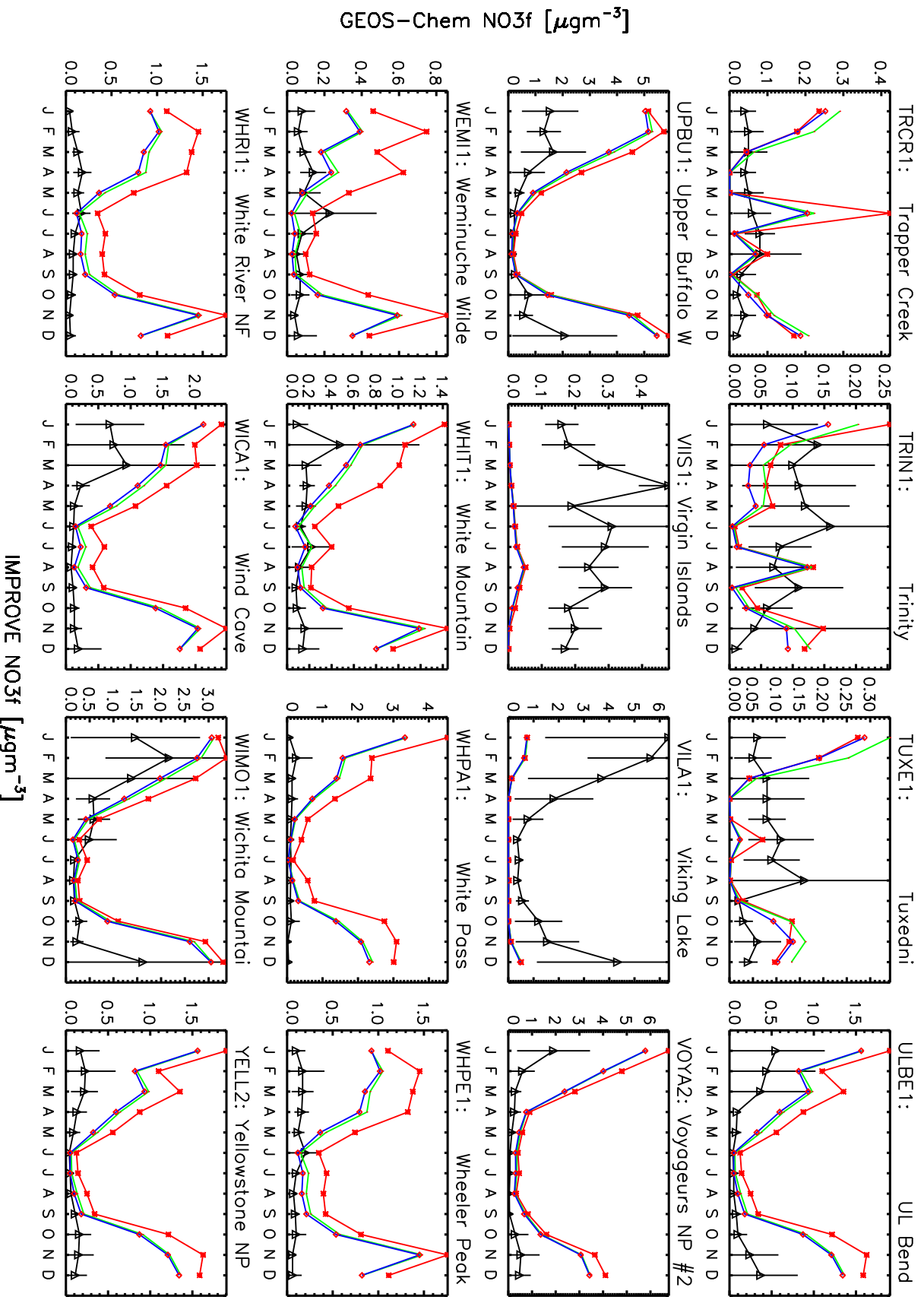
Red: v11-01b-Run0 (2013); Green: v11-01d-Run1 (2013); Blue: v11-01f-geosfp-Run0 (2013)



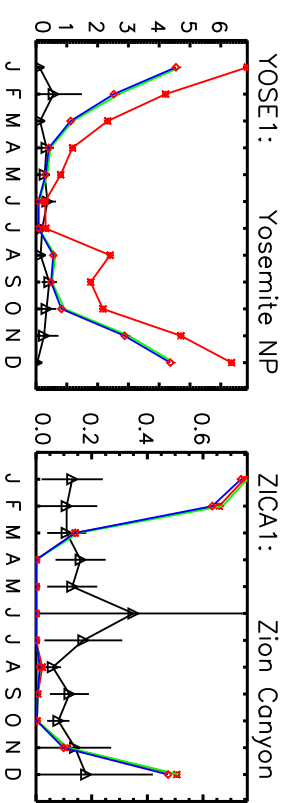
Red: v11-01b-Run0 (2013); Green: v11-01d-Run1 (2013); Blue: v11-01f-geosfp-Run0 (2013)



Red: v11-01b-Run0 (2013); Green: v11-01d-Run1 (2013); Blue: v11-01f-geosfp-Run0 (2013)



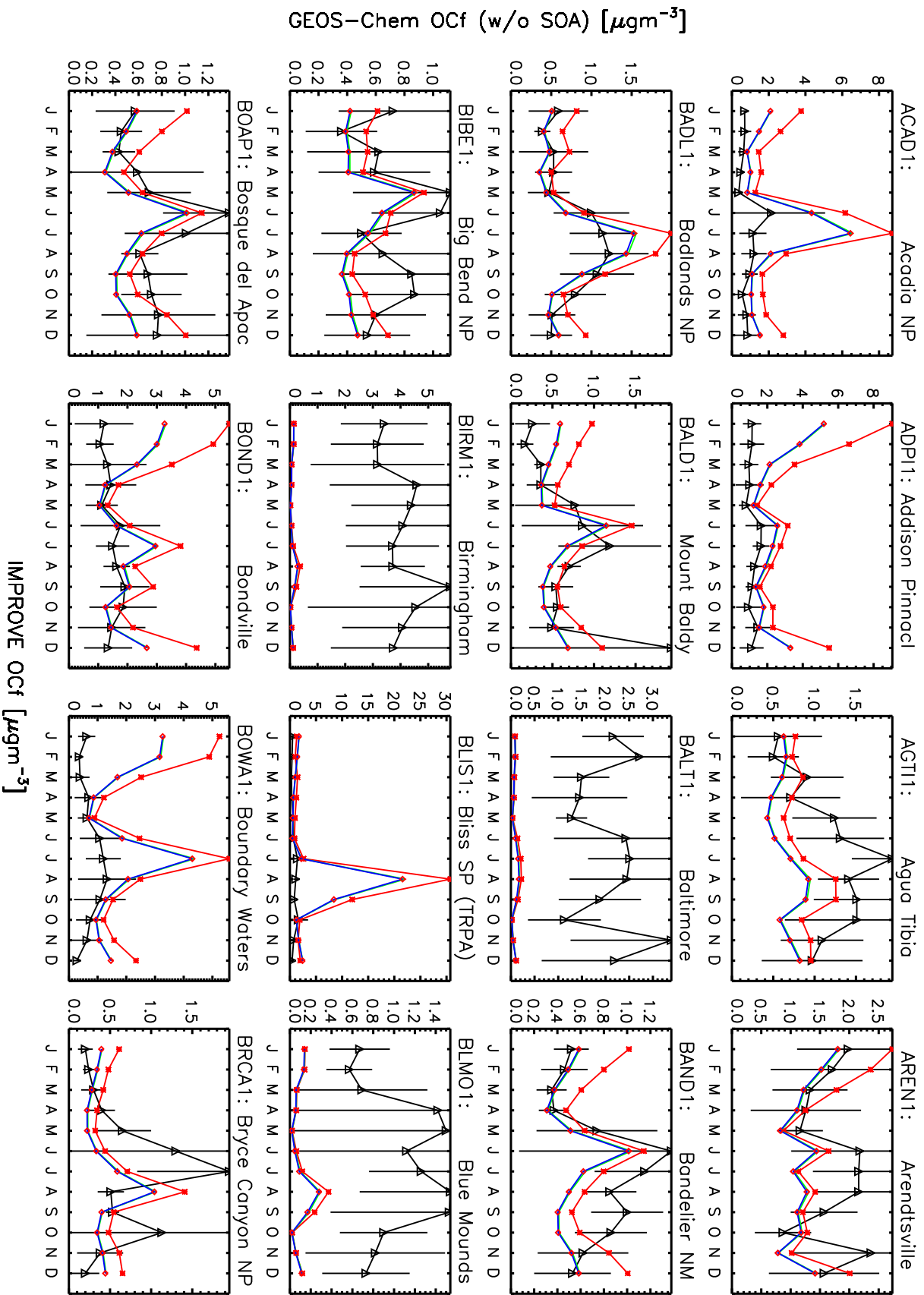
Red: v11-01b-Run0 (2013); Green: v11-01d-Run1 (2013); Blue: v11-01f-geosfp-Run0 (2013)



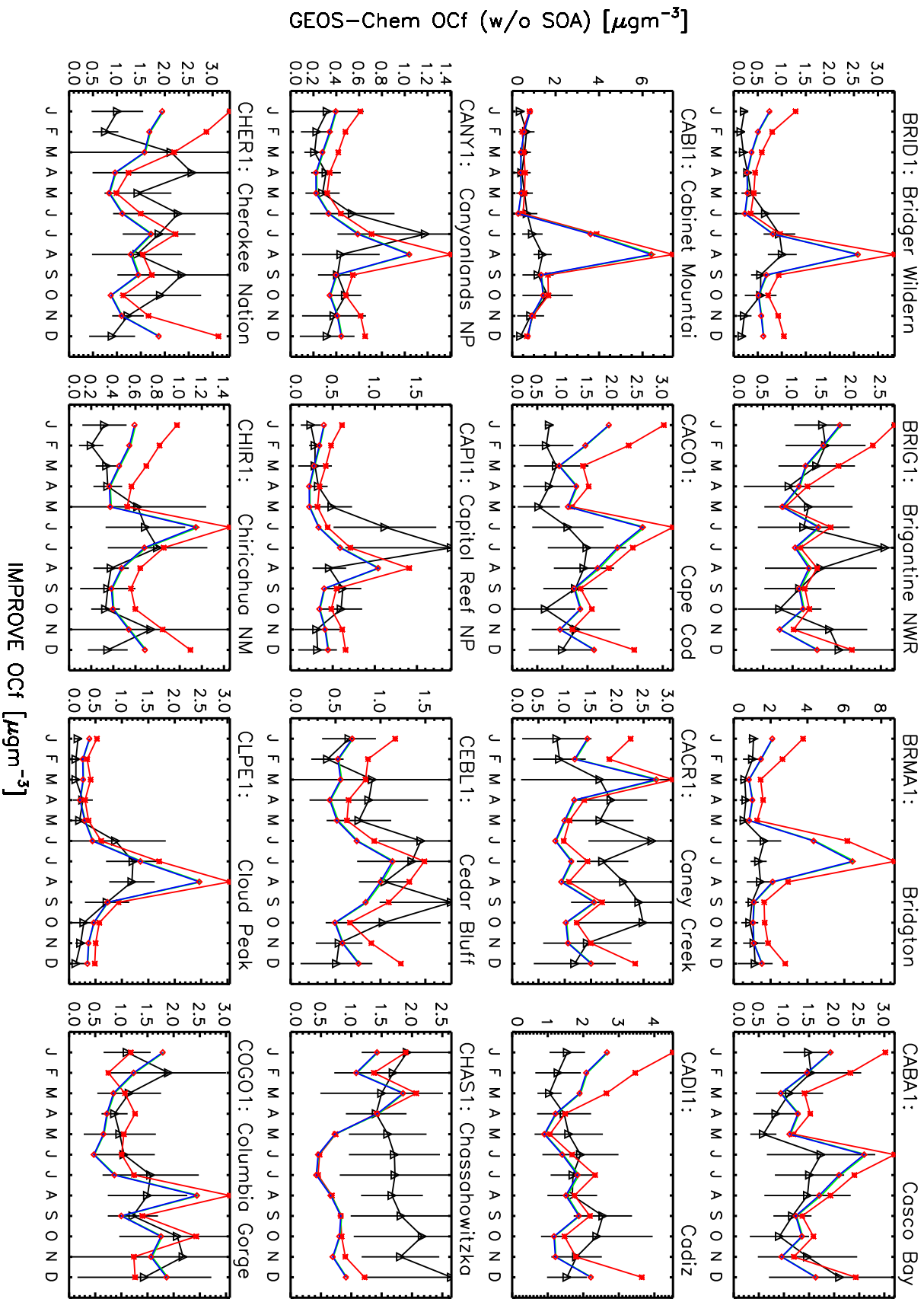
GEOS-Chem NO3f [$\mu\text{g m}^{-3}$]

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

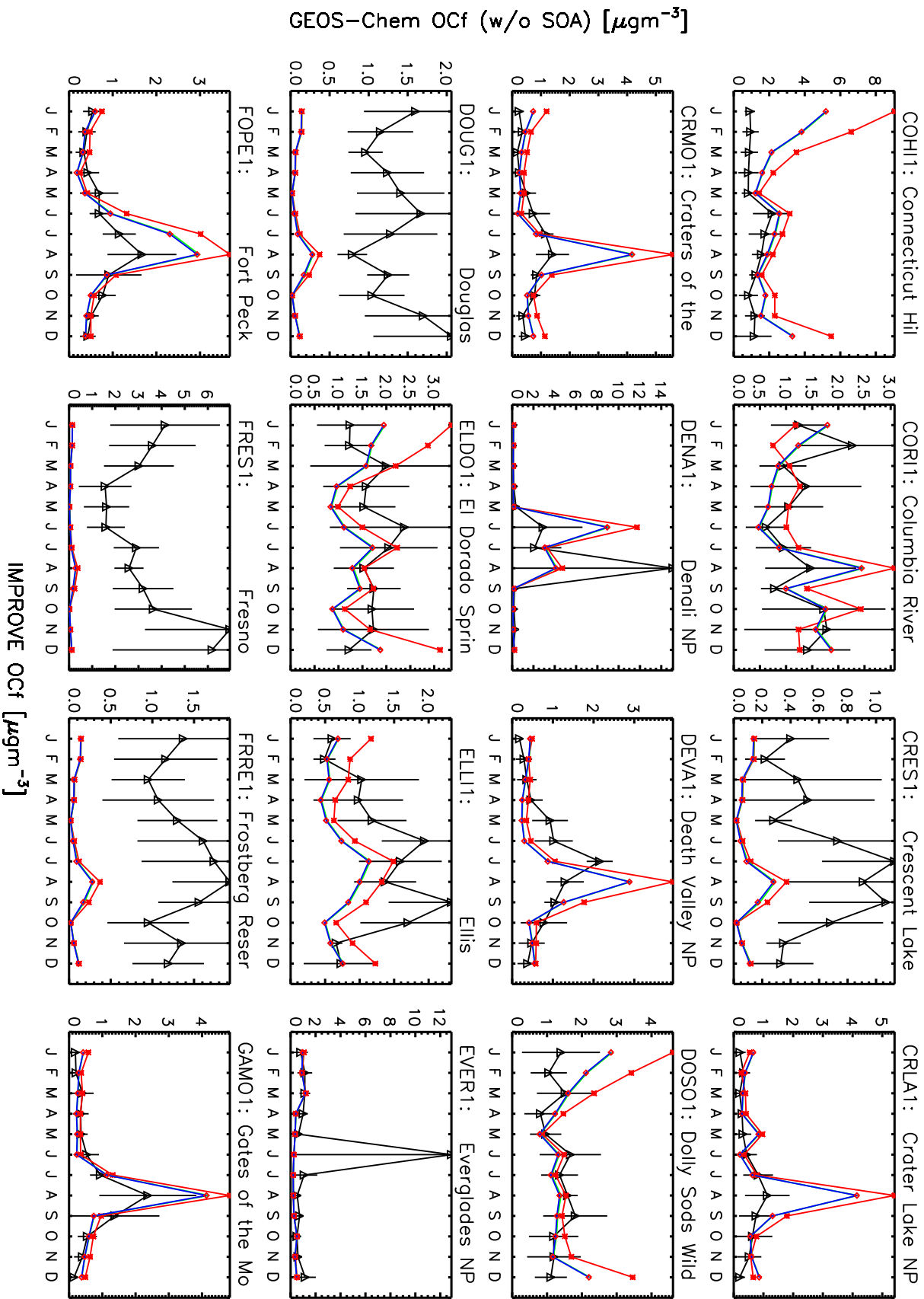
Red: v11-01b-Run0 (2013); Green: v11-01d-Run1 (2013); Blue: v11-01f-geosfp-Run0 (2013)



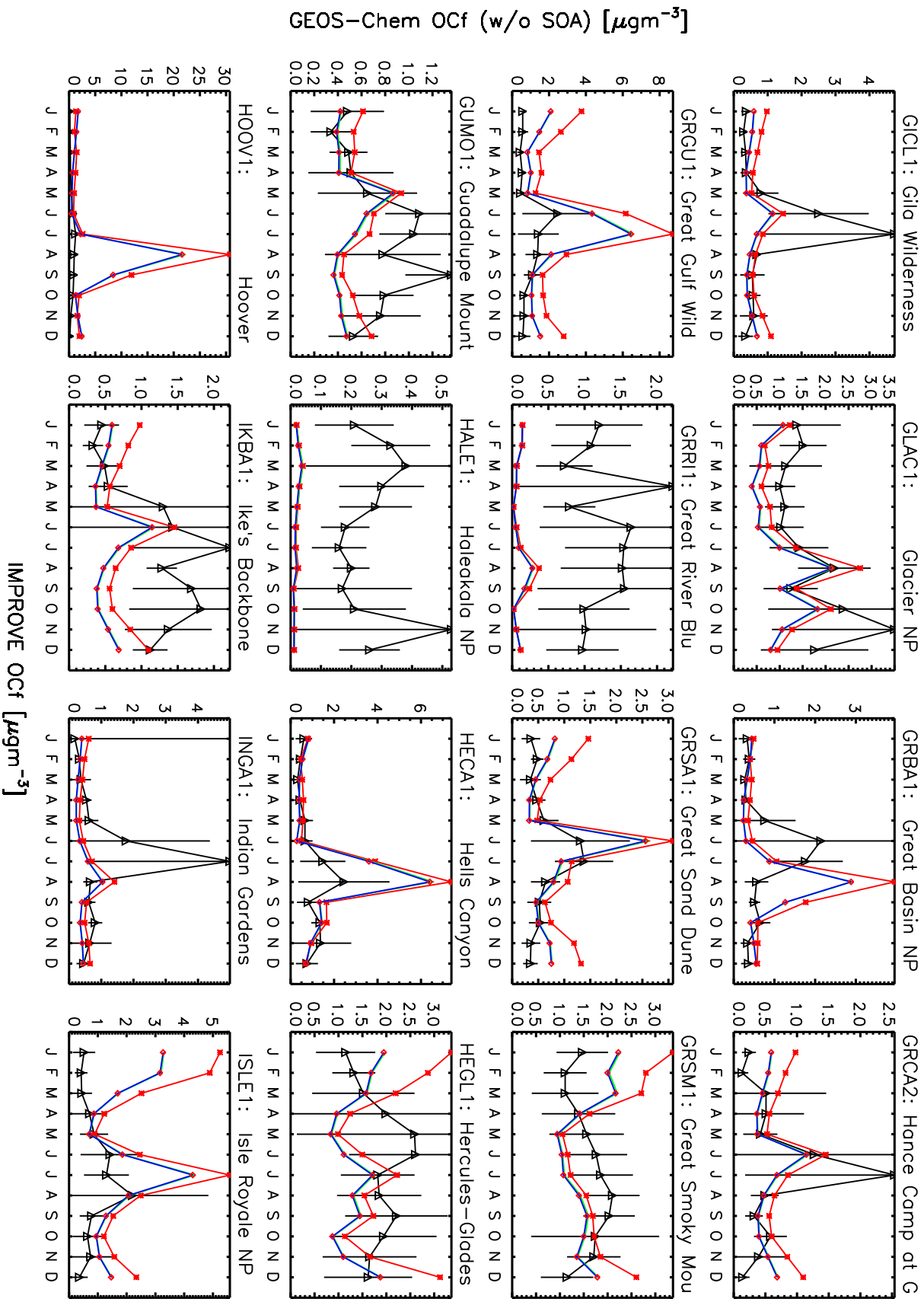
Red: v11-01b-Run0 (2013); Green: v11-01d-Run1 (2013); Blue: v11-01f-geosfp-Run0 (2013)



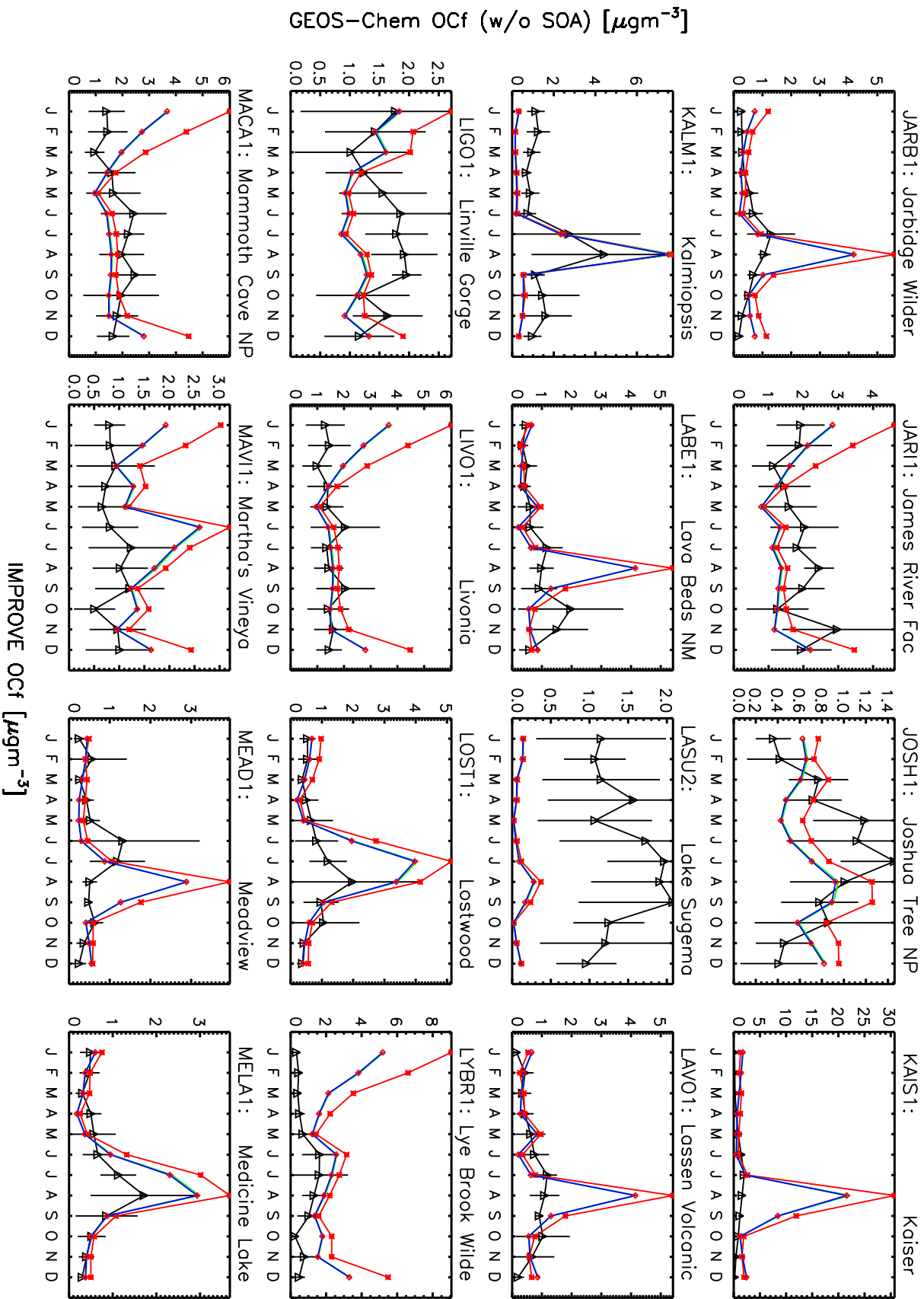
Red: v11-01b-Run0 (2013); Green: v11-01d-Run1 (2013); Blue: v11-01f-geosfp-Run0 (2013)



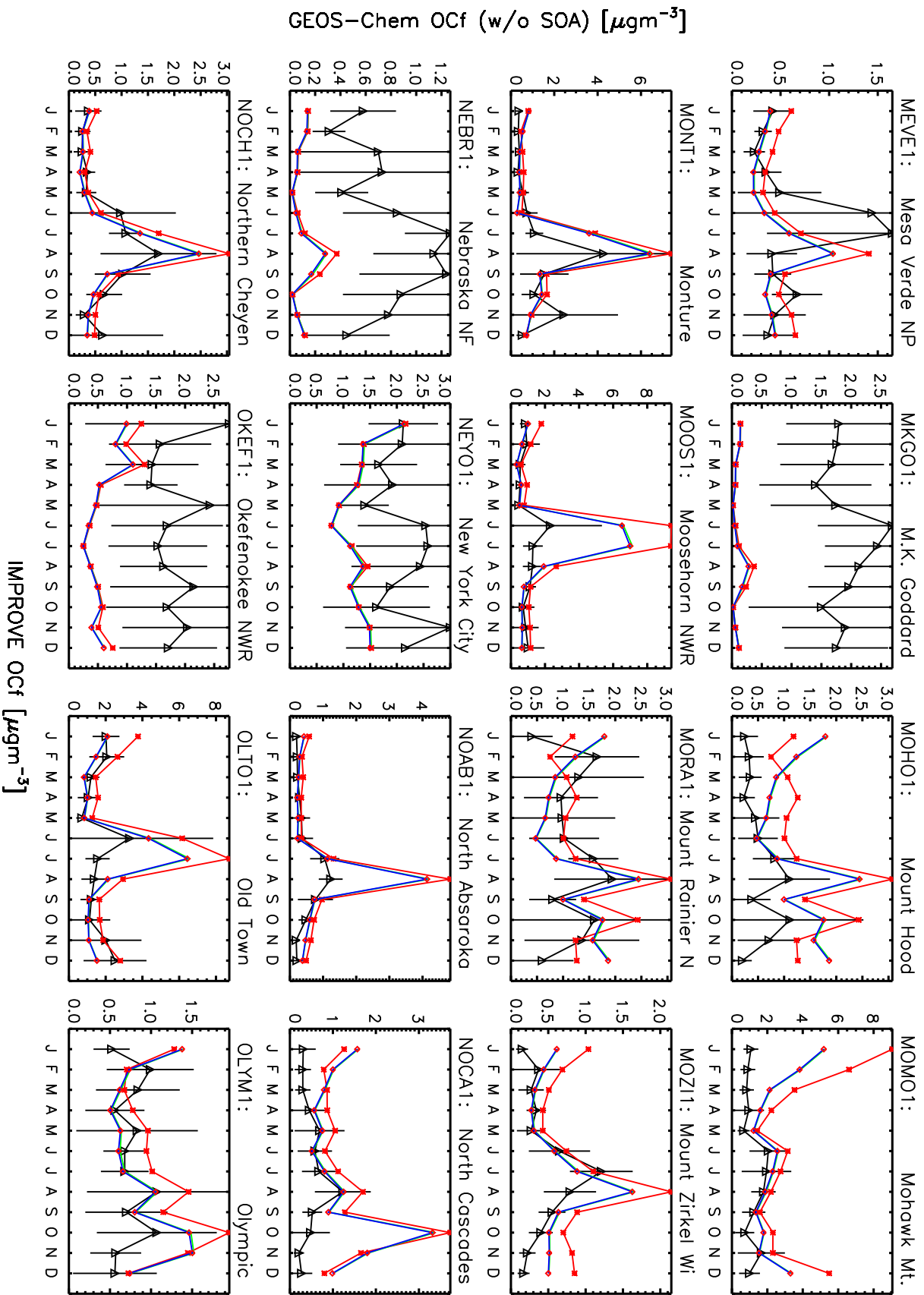
Red: v11-01b-Run0 (2013); Green: v11-01d-Run1 (2013); Blue: v11-01f-geosfp-Run0 (2013)



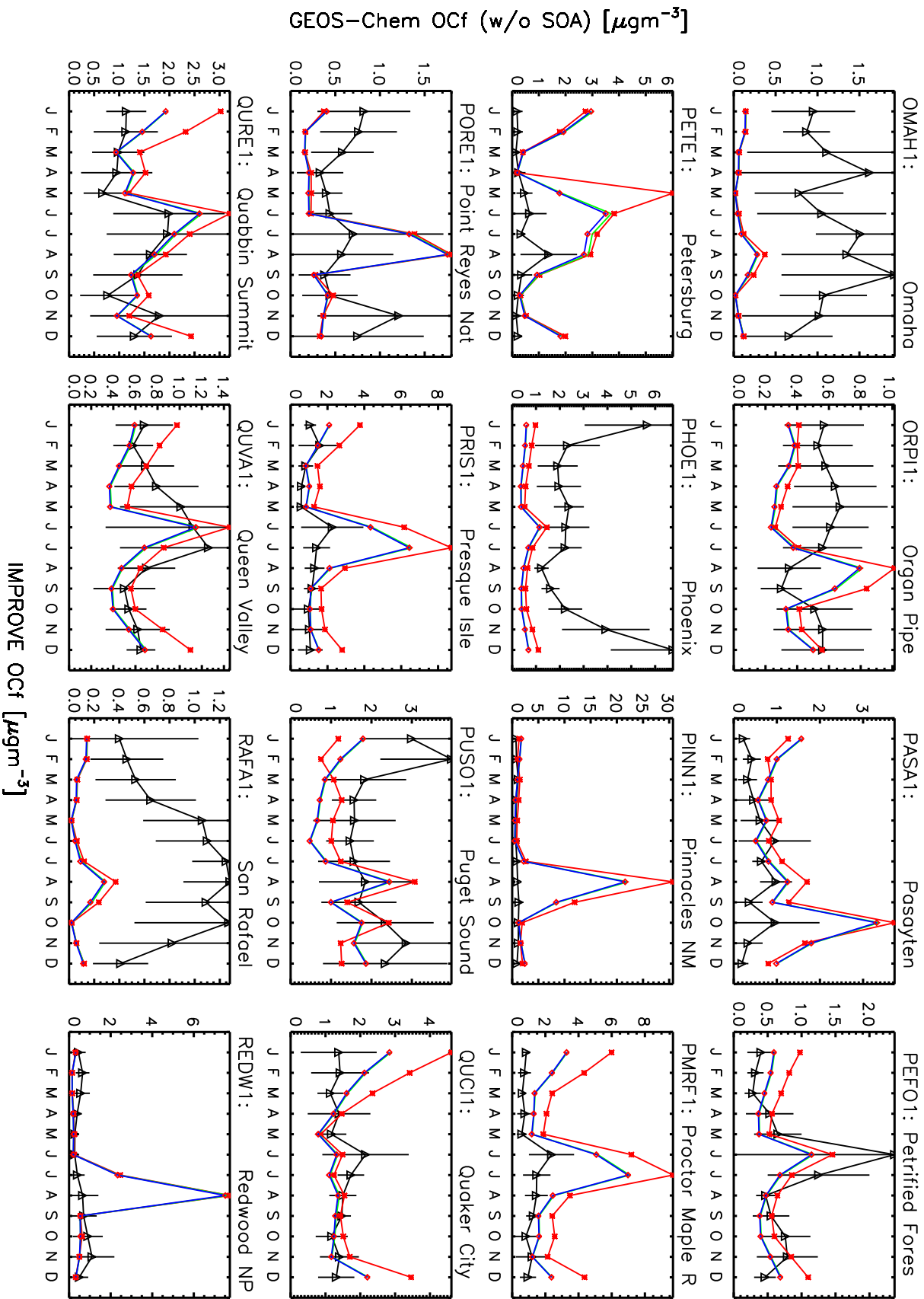
Red: v11-01b-Run0 (2013); Green: v11-01d-Run1 (2013); Blue: v11-01f-geosfp-Run0 (2013)



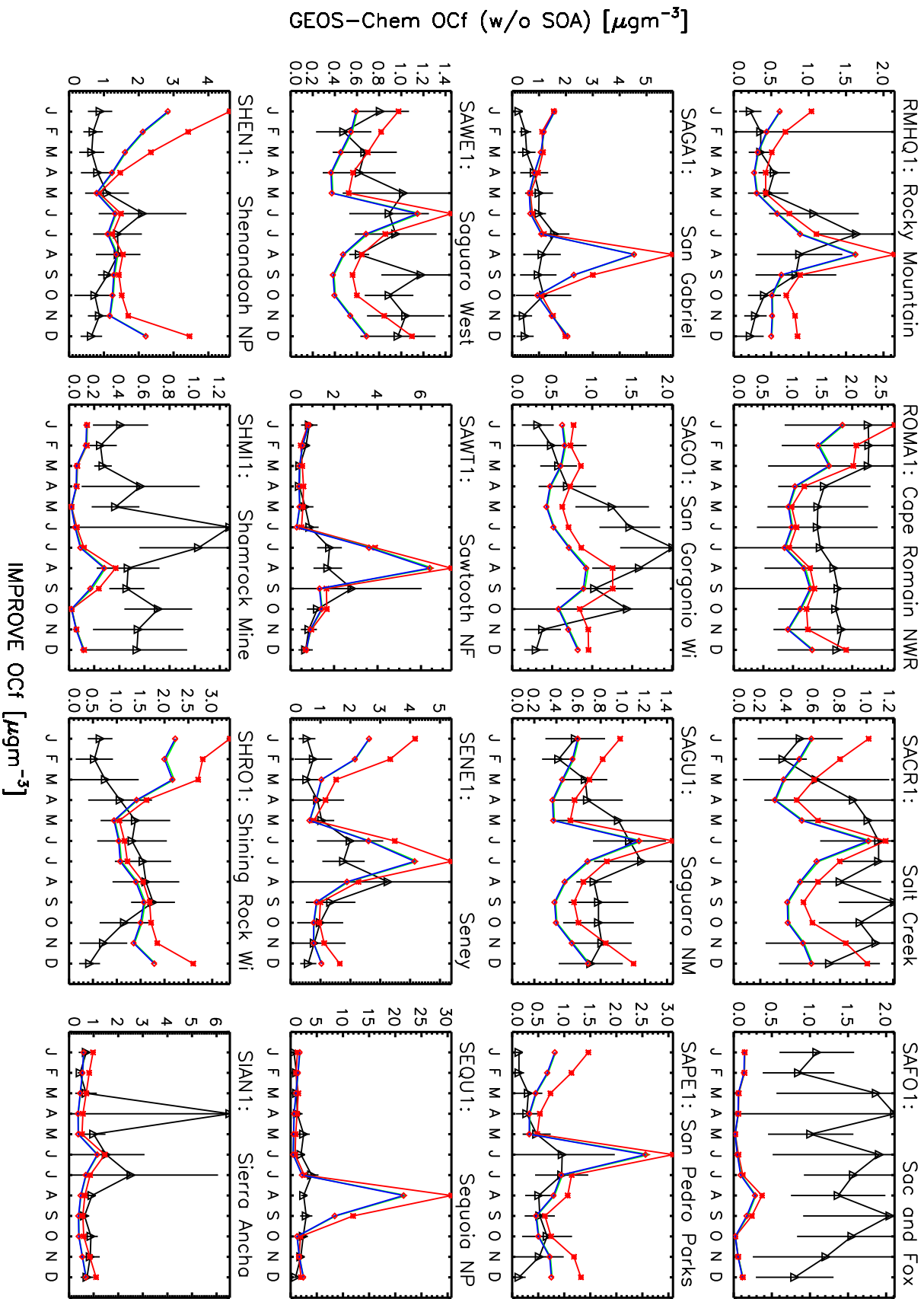
Red: v11-01b-Run0 (2013); Green: v11-01d-Run1 (2013); Blue: v11-01f-geosfp-Run0 (2013)



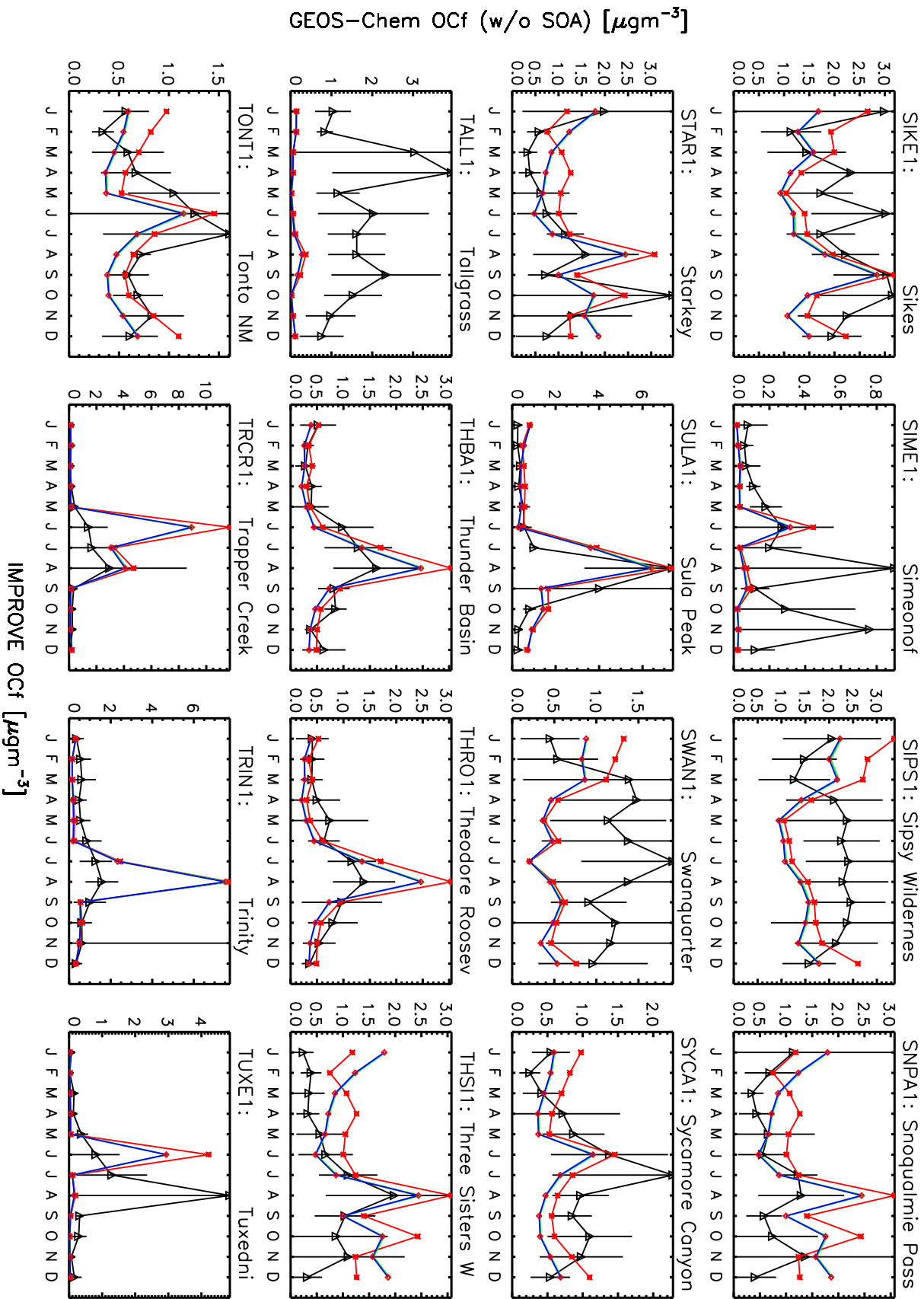
Red: v11-01b-Run0 (2013); Green: v11-01d-Run1 (2013); Blue: v11-01f-geosfp-Run0 (2013)



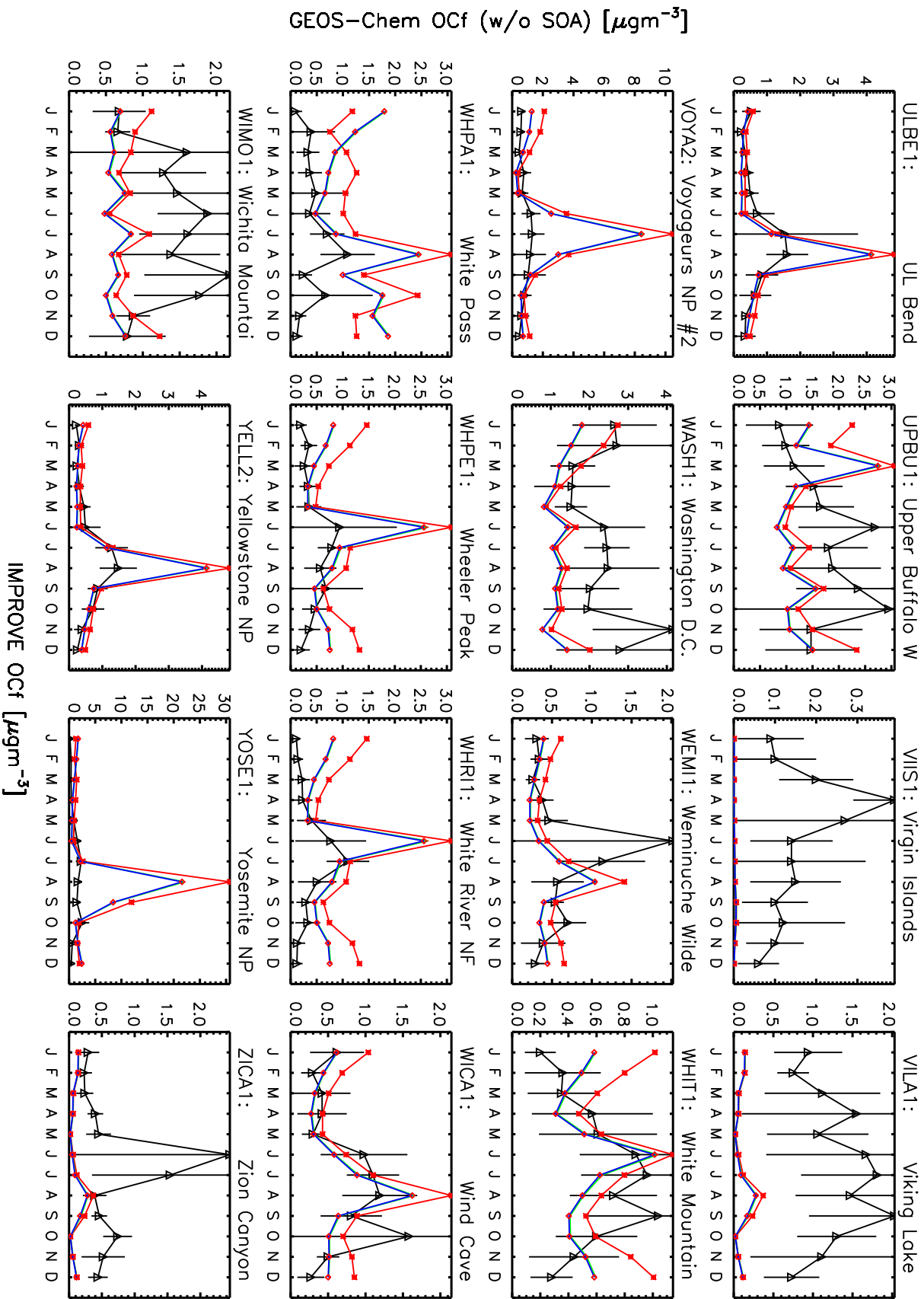
Red: v11-01b-Run0 (2013); Green: v11-01d-Run1 (2013); Blue: v11-01f-geosfp-Run0 (2013)



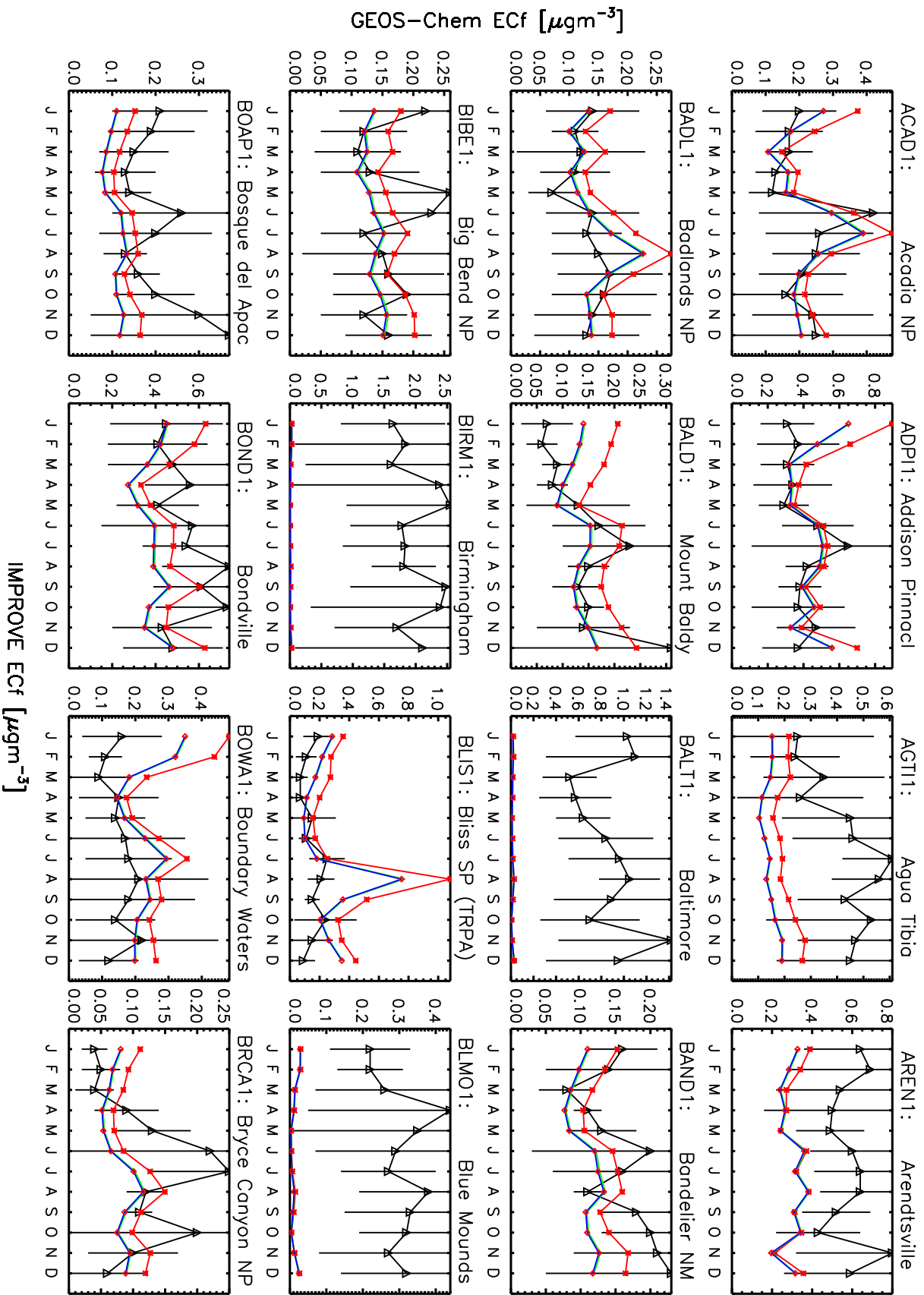
Red: v11-01b-Run0 (2013); Green: v11-01d-Run1 (2013); Blue: v11-01f-geosfp-Run0 (2013)



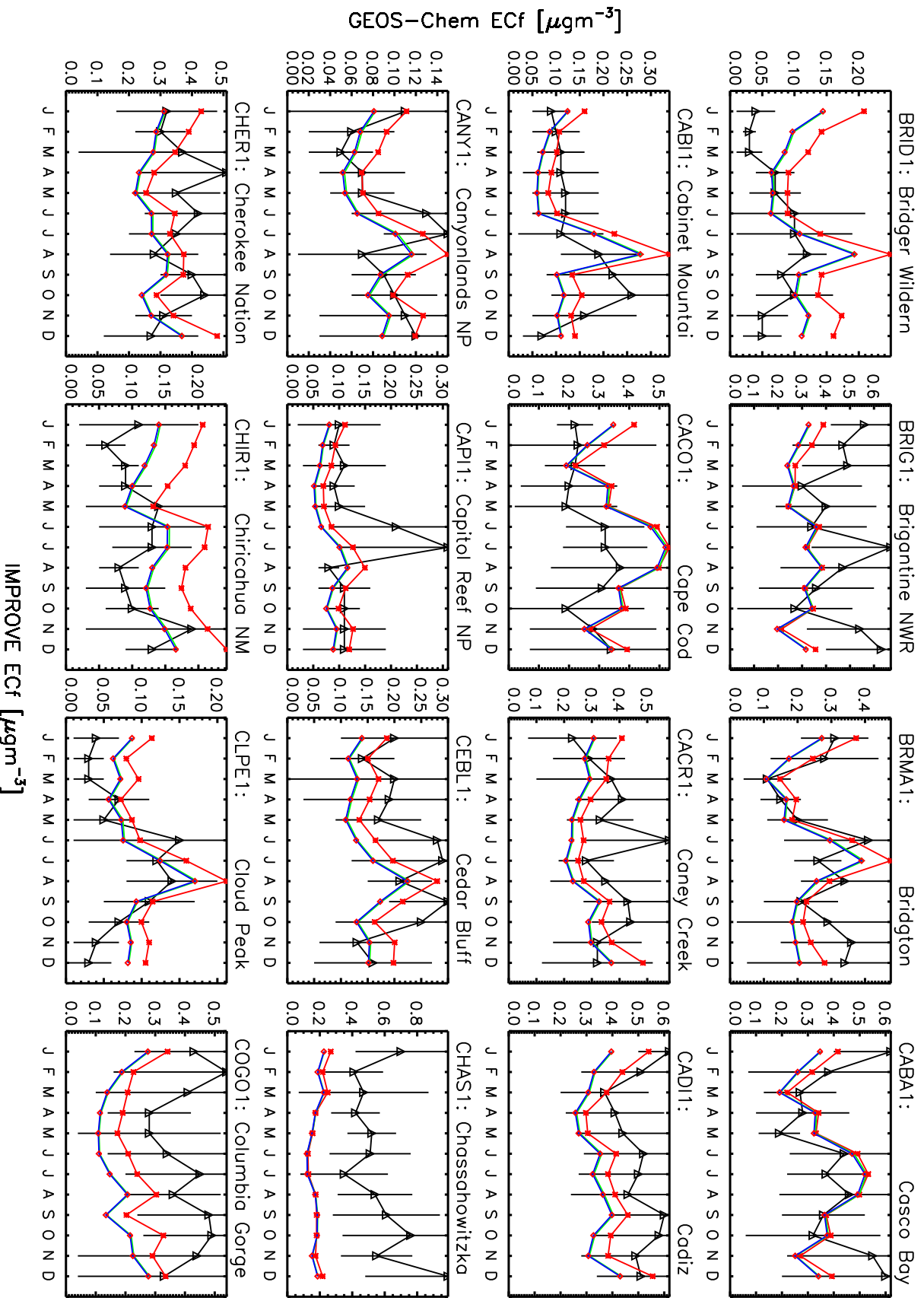
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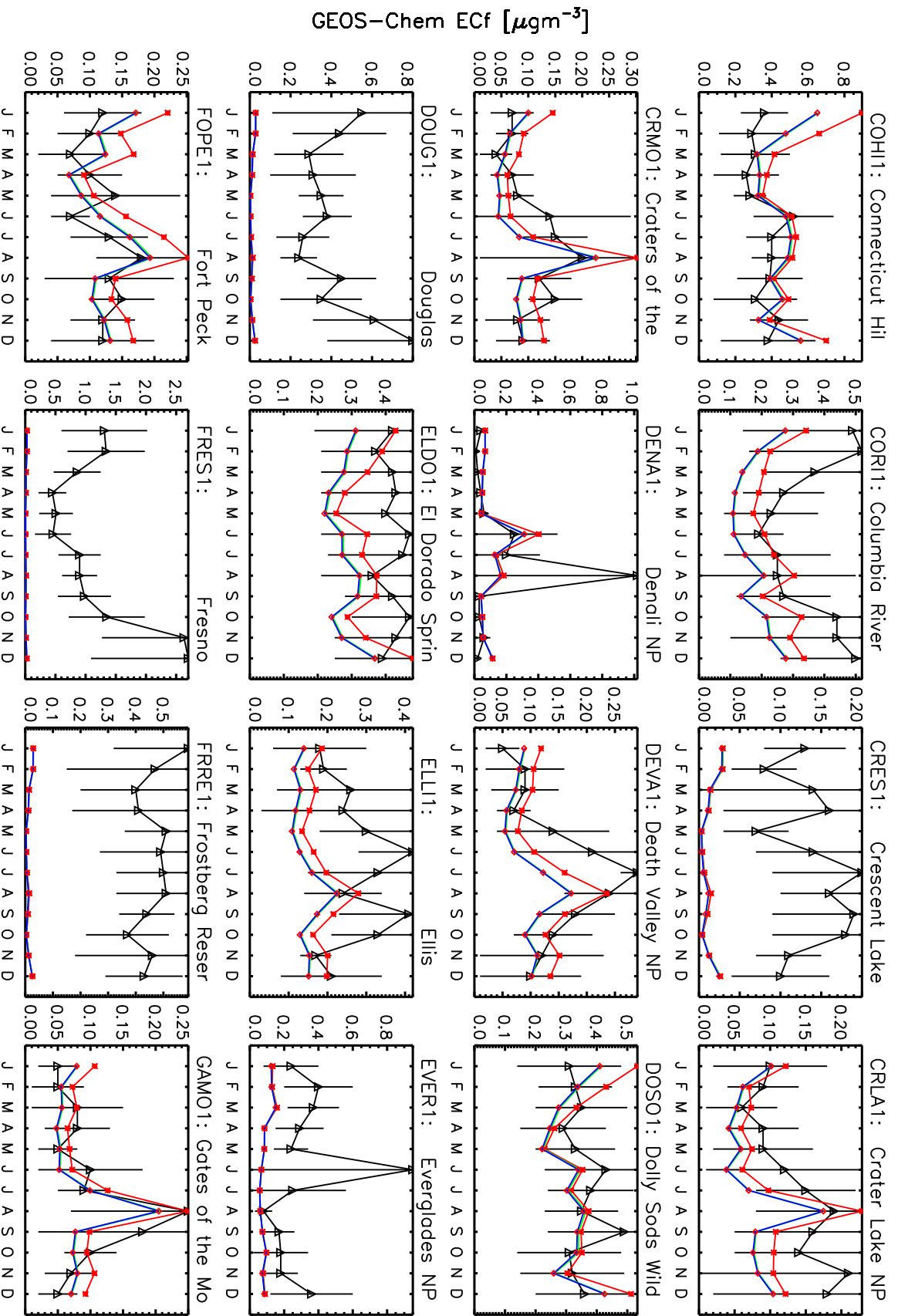
Red: v11-01b-Run0 (2013); Green: v11-01d-Run1 (2013); Blue: v11-01f-geosfp-Run0 (2013)



Red: v11-01b-Run0 (2013); Green: v11-01d-Run1 (2013); Blue: v11-01f-geosfp-Run0 (2013)

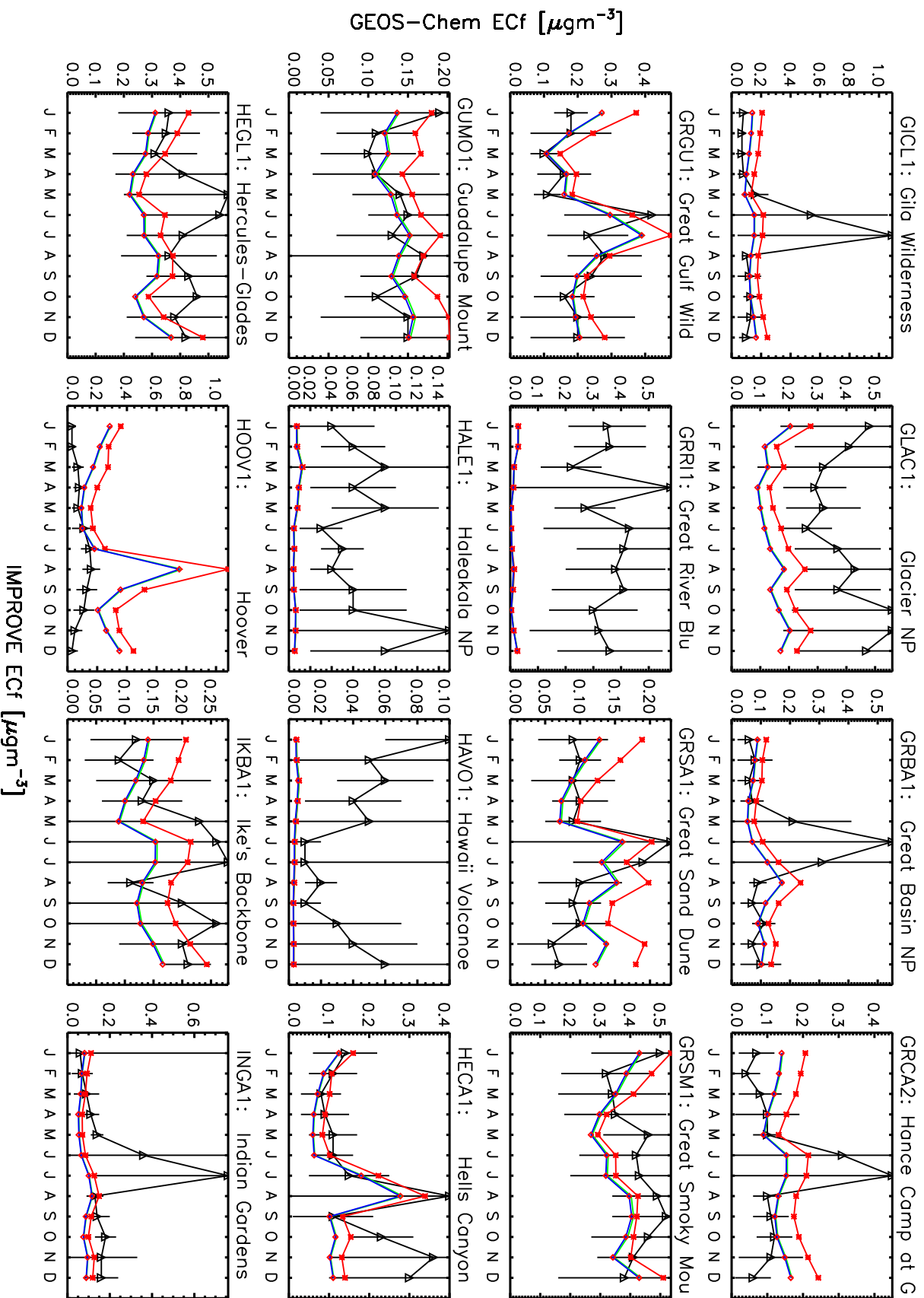


Red: v11-01b-Run0 (2013); Green: v11-01d-Run1 (2013); Blue: v11-01f-geosfp-Run0 (2013)

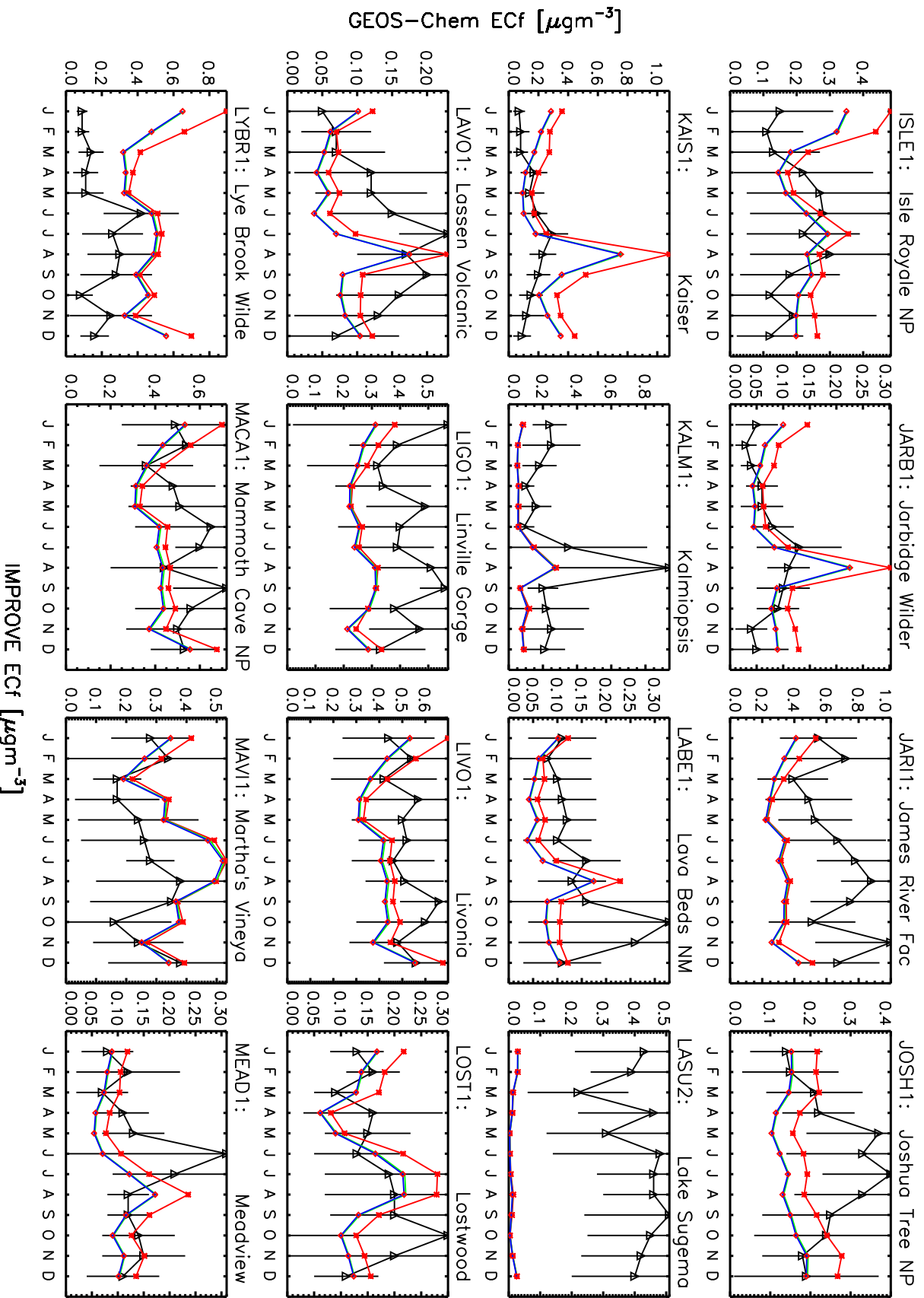


IMPROVE ECf [μgm^{-3}]

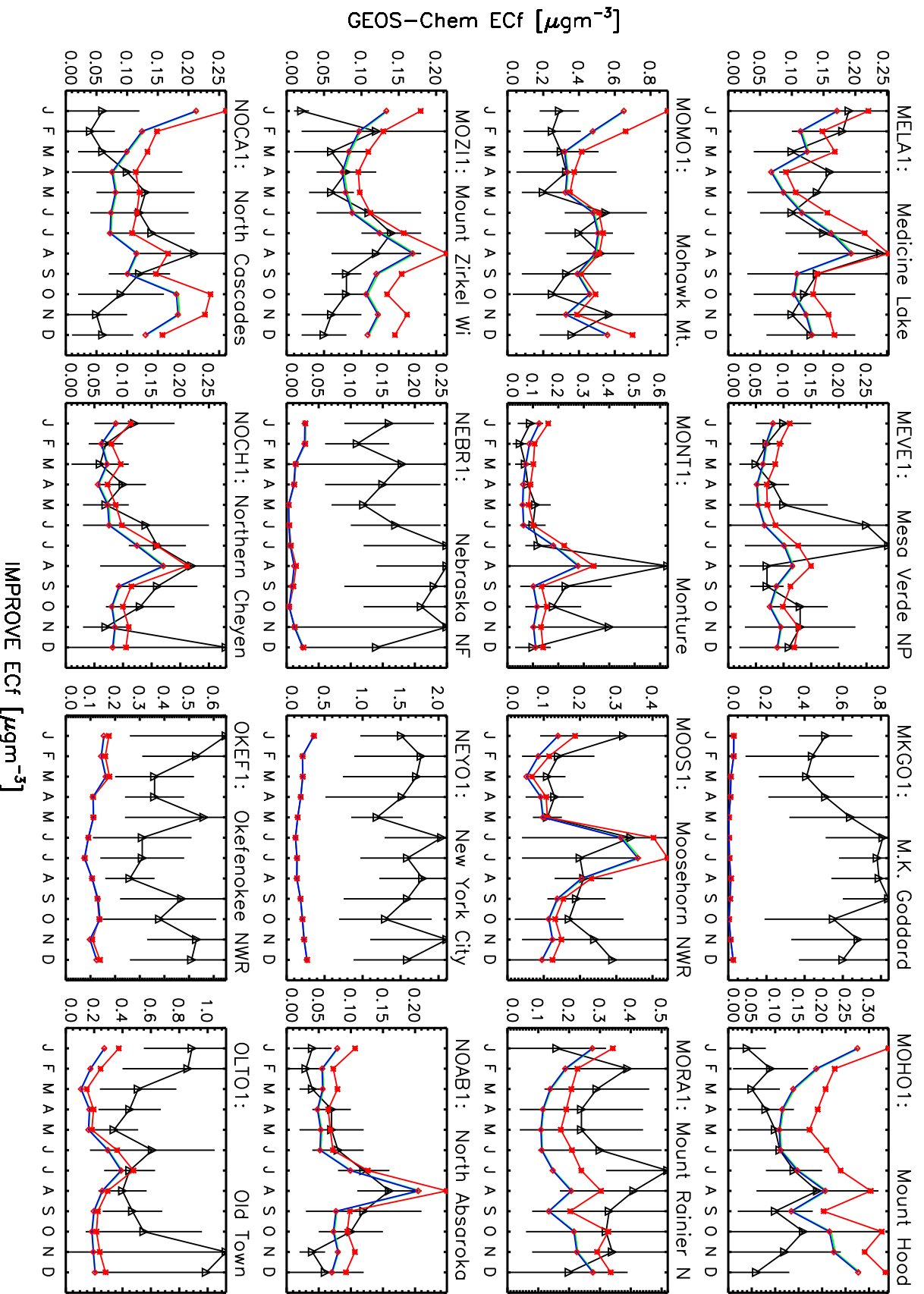
Red: v11-01b-Run0 (2013); Green: v11-01d-Run1 (2013); Blue: v11-01f-geosfp-Run0 (2013)



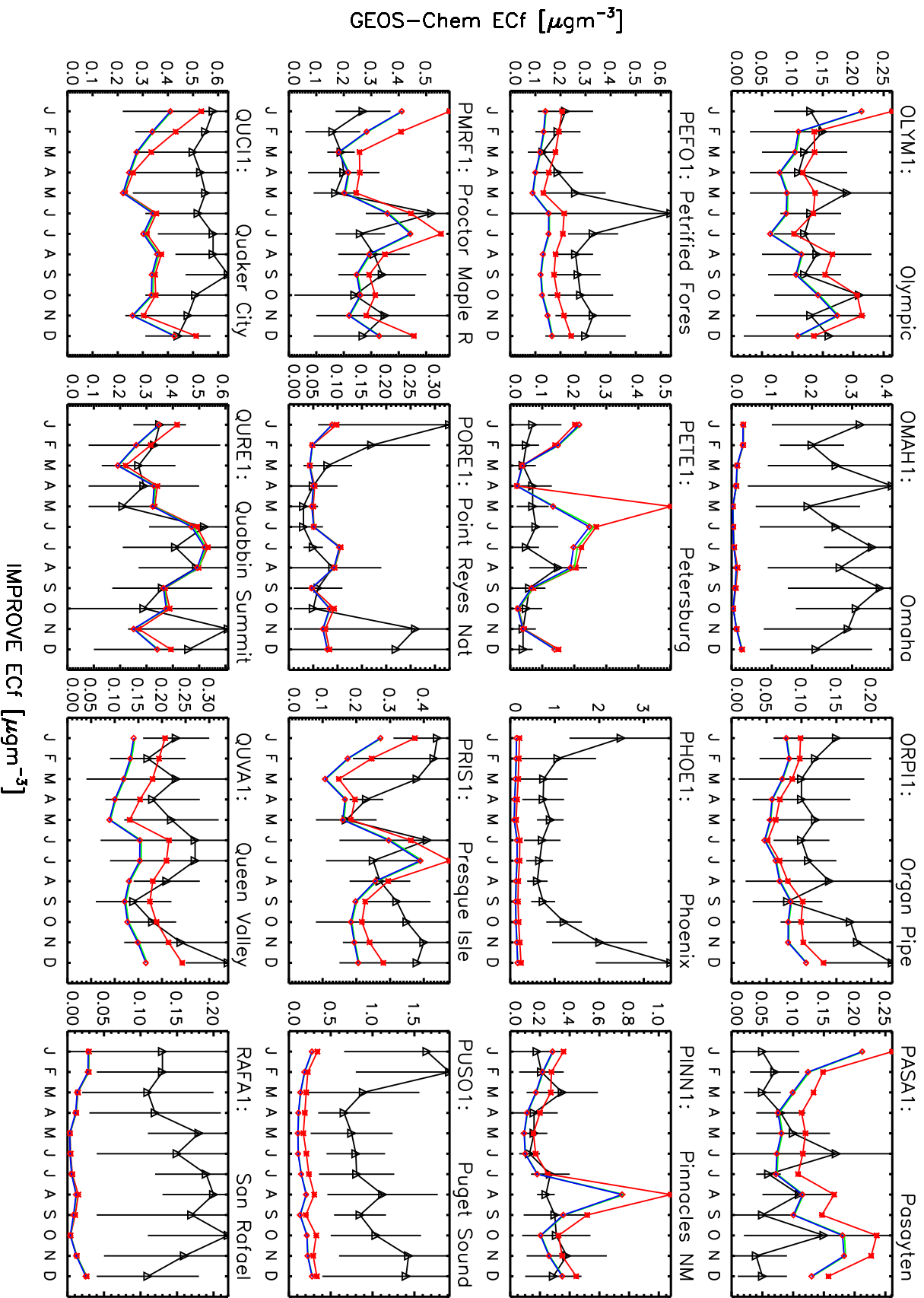
Red: v11-01b-Run0 (2013); Green: v11-01d-Run1 (2013); Blue: v11-01f-geosfp-Run0 (2013)



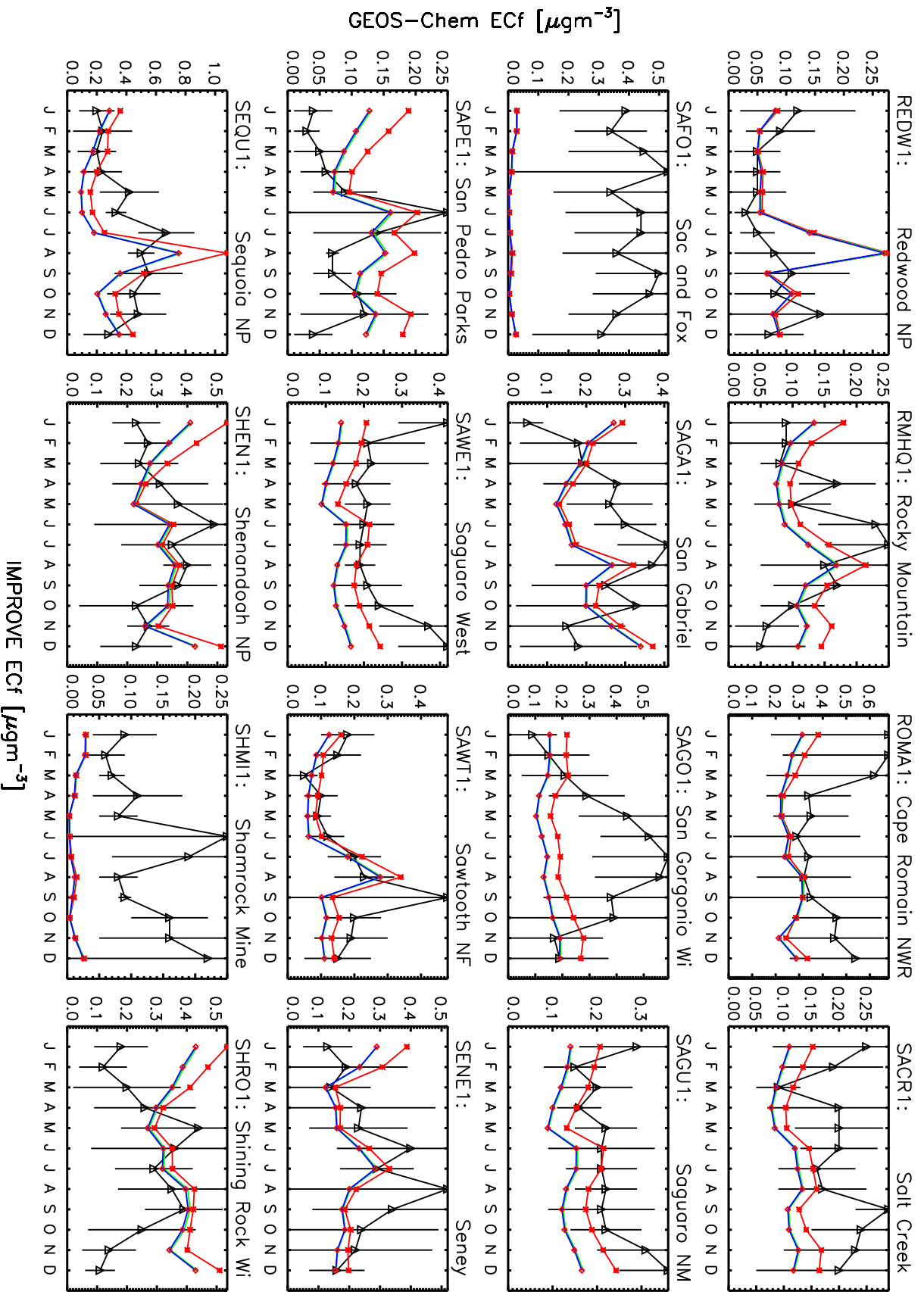
Red: v11-01b-Run0 (2013); Green: v11-01d-Run1 (2013); Blue: v11-01f-geosfp-Run0 (2013)



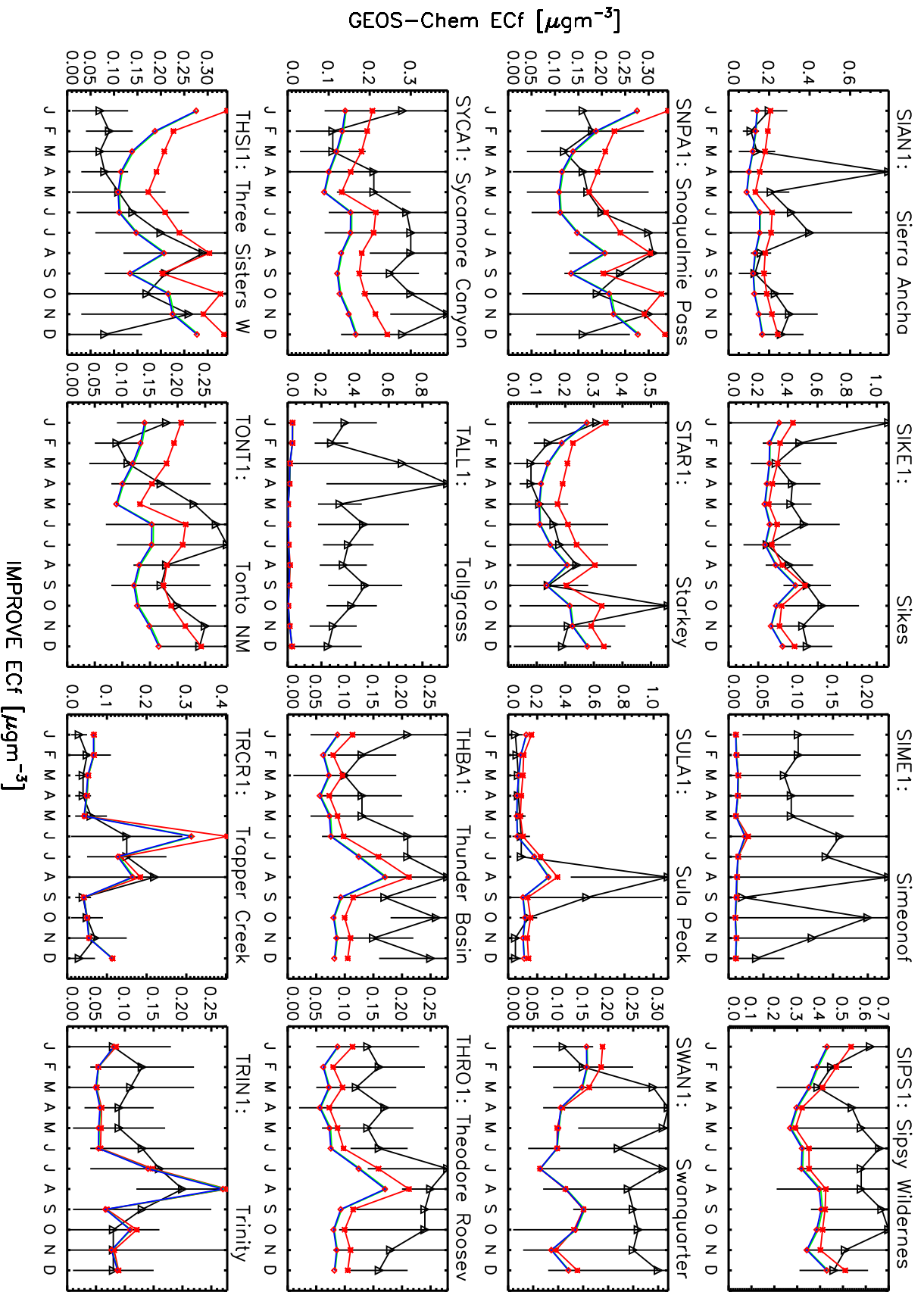
Red: v11-01b-Run0 (2013); Green: v11-01d-Run1 (2013); Blue: v11-01f-geosfp-Run0 (2013)



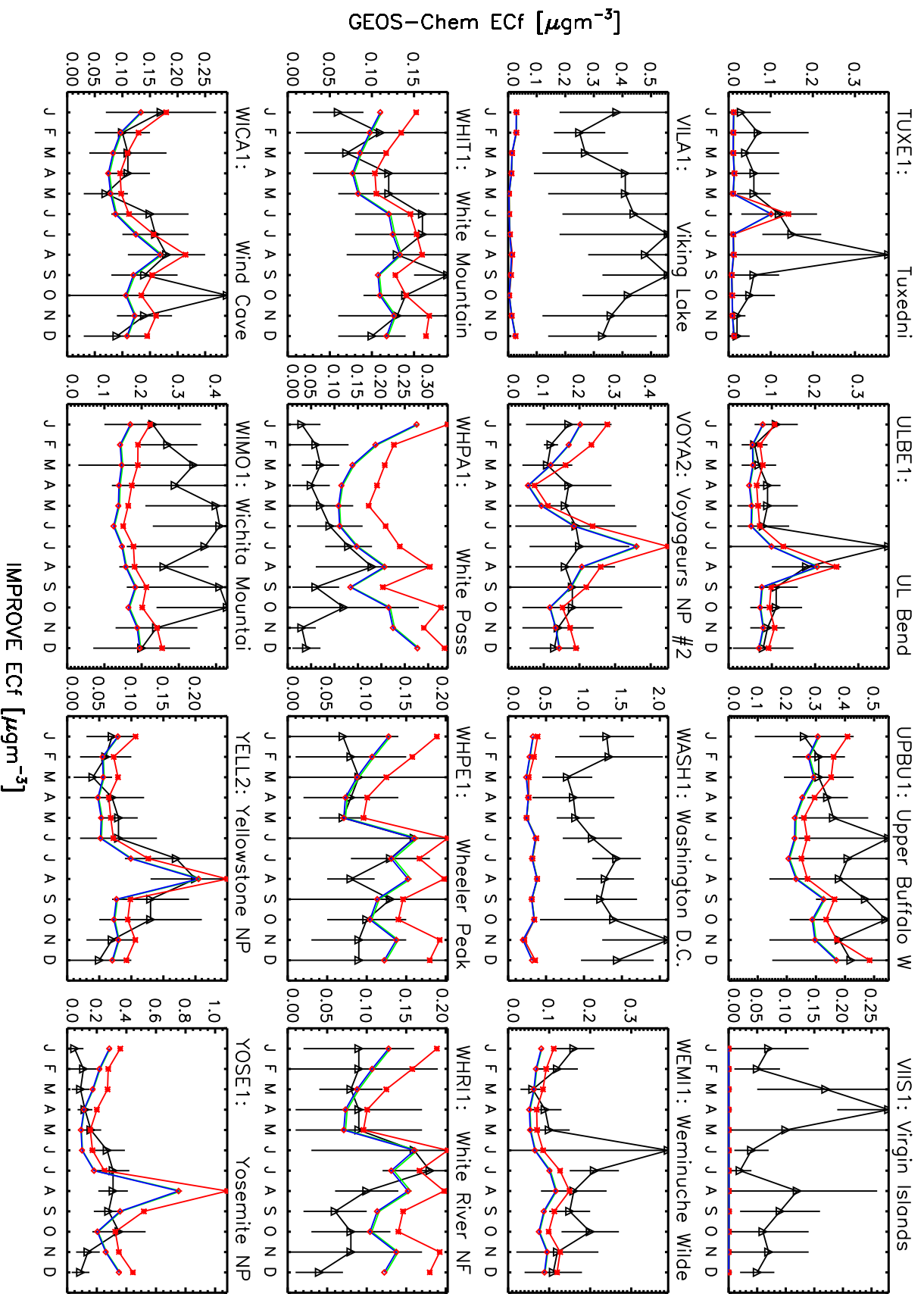
Red: v11-01b-Run0 (2013); Green: v11-01d-Run1 (2013); Blue: v11-01f-geosfp-Run0 (2013)



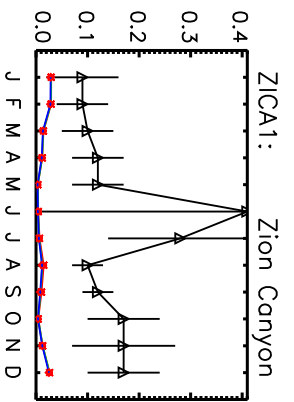
Red: v11-01b-Run0 (2013); Green: v11-01d-Run1 (2013); Blue: v11-01f-geosfp-Run0 (2013)



Red: v11-01b-Run0 (2013); Green: v11-01d-Run1 (2013); Blue: v11-01f-geosfp-Run0 (2013)



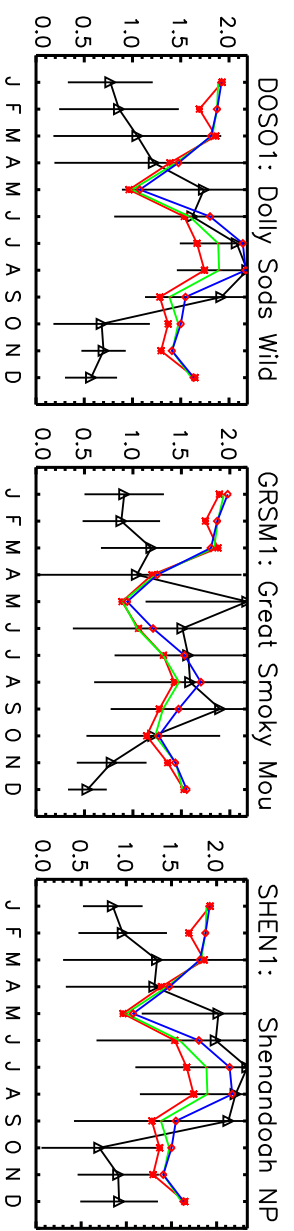
Red: v11-01b-Run0 (2013); Green: v11-01d-Run1 (2013); Blue: v11-01f-geosfp-Run0 (2013)



GEOS-Chem ECf [μgm^{-3}]

IMPROVE ECf [μgm^{-3}]

Red: v11-01b-Run0 (2013); Green: v11-01d-Run1 (2013); Blue: v11-01f-geosfp-Run0 (2013)



GEOS-Chem NH4f [μgm^{-3}]

IMPROVE NH4f [μgm^{-3}]