

Ozone source	Definition	Notation
Base	Standard simulation	O ₃ _Base
Natural background	Simulation with no global anthropogenic emissions and anthropogenic CH ₄	O ₃ _NAT
North American background	Simulation with no North American anthropogenic emissions	O ₃ _NAB
US background	Simulation with no US anthropogenic emissions	O ₃ _USB
US anthropogenic emissions	O ₃ _Base – O ₃ _USB	O ₃ _USA
Anthropogenic emissions from Canada and Mexico	O ₃ _USB – O ₃ _NAB	O ₃ _CA+MX
Intercontinental transport and anthropogenic CH ₄	O ₃ _NAB – O ₃ _NAT	O ₃ _ICT+CH ₄
North American lightning NO _x	O ₃ _Base – simulation with the North American lightning NO _x source shut off	O ₃ _NALNO _x
Soil NO _x emissions	O ₃ _Base – simulation with the soil NO _x emissions shut off	O ₃ _SNO _x
Terrestrial biogenic VOC emissions	O ₃ _Base – simulation with the terrestrial biogenic emissions shut off	O ₃ _BVOC
All emissions except terrestrial biogenic VOCs	Simulation with terrestrial biogenic VOC emissions shut off	O ₃ _noBVOC
Biomass burning emissions	O ₃ _Base – simulation with biomass burning emissions (NO _x , CO, VOCs, aerosols, and precursors from fires) shut off	O ₃ _BB