



common across all inventories									
		FINN v1.5	QFED native (and regrid)	QFED CO2 x FINN E.F.s	GFAS native (and regrid)	GFAS CO2 x FINN E.F.s	CMIP6	GFED native (and regrid)	GFED plus extended FINN E.F.s
<b>CAM-chem species</b>									
Name/description									
SO2	Sulfur dioxide	X	X	X	X		X	X	
BC	Black carbon	X	X	X	X		X	X	
OC	Organic Carbon	X	X	X	X		X	X	
DMS	Dimethyl Sulfide (C2H6S)				X		X	X	
NO2	Nitrogen Dioxide	X	N/A	v2.5	N/A		X	N/A	
NO	Nitrogen Oxide	X	(NOx as NO)	NO for v2.5 & NRT	(NOx as NO)		X	(NOx as NO)	
NH3	Ammonia	X	X	X	X		X	X	
CO	Carbon monoxide	X	X	X	X	X	X	X	
C2H2	Ethyne	X		X			X	X	
C2H4	Ethene	X		X	X		X	X	
C2H6	Ethane	X	X	X	X		X	X	
C3H6	Propene	X	X	X	X		X	X	
C3H8	Propane	X	X	X	X		X	X	
BIGALD	Higher Aldehydes (C ≥ 4) inc. terpenes	X		X			X		
BIGALK	Higher Alkanes (CnH2n+2, C ≥ 4)	X		X	X		X	X	
BIGENE	Higher Alkenes (CnH2n, C ≥ 4)	X		X	X		X	X	
BENZENE	C6H6	X		X	X		X	X	
TOLUENE	C7H8	X		X	X		X	(C7H8)	
XYLENES	C8H10	X		X	X		X	X	
ISOP	Isoprene (C5H8)	X		X	X		X	X	
MTERP	Monoterpenes (C10H16 in filename)	X		X			X	X	
CH3OH	Methanol	X		X	X		X	X	
C2H5OH	Ethanol	X		X	X		X	X	
CH2O	Formaldehyde	X	X	X	X		X	X	
CH3CHO	Acetaldehyde (C2H4O)	X	X(ald2)	X	X		X	X	
HCOOH	Formic Acid	X		X			X	X	
CH3COOH	Acetic Acid	X		X			X	X	
CH3COCH3	Acetone (C2H6O)	X	X	X	X		X	X	
MEK	Methyl ethyl ketone or butanone (C4H8O)	X	X	X			X	X	
HCN	Hydrogen Cyanide	X		X			X	X	
CH3CN	Acetonitrile	X		X			X		X
CH3COCHO	Methyl glyoxal	X		X			X	X	
CRESOL	Methylphenols (C7H8O)	X		X			X		
GLYALD	Glycoaldehyde (HOCH2CHO)	X		X			X	X	
HYAC	Hydroxyacetone (CH3COCH2OH)	X		X			X		
MACR	Methacrolein	X		X					X
MVK	Methyl Vinyl Ketone	X		X					X
<b>Species created from others</b>									
bc_a4	Black carbon	X	v2.5 regrid	v2.5 & NRT	X		X	X	
num_bc_a4	Number of particles emitted, will be scaled when read in, so interesting units.	X	v2.5 regrid	v2.5 & NRT	X		X	X	
pom_a4	Primary organic matter 1.4 x (Organic Carbon)	X	v2.5 regrid	v2.5 & NRT	X		X	X	
num_pom_a4	Number of particles emitted, will be scaled when read in, so interesting units.	X	v2.5 regrid	v2.5 & NRT	X		X	X	
SVOC	Lumped SOA precursors to use with VBS scheme. 0.2 x (C3H6+C3H8+C2H6+C2H4+BIGENE+BIGALK+CH3COCH3+MEK+CH3CHO+CH2O+BENZENE+TOLUENE+XYLENES)	X		v2.5 & NRT			X	X	
IVOC	Lumped SOA precursors to use with VBS scheme. 0.6 x pom_a4	X		v2.5 & NRT			X	X	
SOAG	Without VBS scheme using CAM5, for MAM4. Uses scaling factors for BIGALK, BIGENE, TOLUENE, BENZENE, XYLENES, ISOP, MTERP(C10H16).	X		v2.5 & NRT			X	X	
so4_a1	2.5% of SO2 -> SO4, therefore SO2 -> 97.5% SO2_original	X	v2.5 regrid	v2.5 & NRT	X		X	X	
num_so4	Note MW_SO4 is 115 g/mol (not 96) because MAM reads SO4 as NH4HSO4	X	v2.5 regrid	v2.5 & NRT	X		X	X	