Emission Species Needed in WRF-CHEM/MOZART T1v????

e\_co, e\_no, e\_no2, e\_bigalk, e\_bigene, e\_c2h4, e\_c2h5oh, e\_c2h6, e\_c3h6, e\_c3h8, e\_ch2o, e\_ch3cho, e\_ch3coch3, e\_ch3oh, e\_mek, e\_so2, e\_toluene, e\_benzene, e\_xylene, e\_nh3, e\_isop, e\_c10h16, e\_c2h2, e\_gly, e\_sulf, e\_macr, e\_mgly, e\_mvk, e\_hcooh, e\_hono

Available from CMAQ/CB6:

float NH3(TSTEP, LAY, ROW, COL) ;

float CO(TSTEP, LAY, ROW, COL) ;

float HONO(TSTEP, LAY, ROW, COL) ;

float NO(TSTEP, LAY, ROW, COL) ;

float NO2(TSTEP, LAY, ROW, COL) ;

float ACET(TSTEP, LAY, ROW, COL) ;

float ALD2(TSTEP, LAY, ROW, COL) ;

float ALDX(TSTEP, LAY, ROW, COL) ;

float BENZENE(TSTEP, LAY, ROW, COL) ;

float CH4(TSTEP, LAY, ROW, COL) ;

float ETH(TSTEP, LAY, ROW, COL) ;

float ETHA(TSTEP, LAY, ROW, COL) ;

float ETHY(TSTEP, LAY, ROW, COL) ;

float ETOH(TSTEP, LAY, ROW, COL) ;

float FORM(TSTEP, LAY, ROW, COL) ;

float IOLE(TSTEP, LAY, ROW, COL) ;

float ISOP(TSTEP, LAY, ROW, COL) ;

float KET(TSTEP, LAY, ROW, COL) ;

float MEOH(TSTEP, LAY, ROW, COL) ;

float NVOL(TSTEP, LAY, ROW, COL) ;

float OLE(TSTEP, LAY, ROW, COL) ;

float PAR(TSTEP, LAY, ROW, COL) ;

float PRPA(TSTEP, LAY, ROW, COL) ;

float TERP(TSTEP, LAY, ROW, COL) ;

float TOL(TSTEP, LAY, ROW, COL) ;

float UNK(TSTEP, LAY, ROW, COL) ;

float UNR(TSTEP, LAY, ROW, COL) ;

float XYLMN(TSTEP, LAY, ROW, COL) ;

float SO2(TSTEP, LAY, ROW, COL) ;

float SULF(TSTEP, LAY, ROW, COL) ;

float ACROLEIN(TSTEP, LAY, ROW, COL) ;

float BUTADIENE13(TSTEP, LAY, ROW, COL) ;

float NAPHTH(TSTEP, LAY, ROW, COL) ;

float HCL(TSTEP, LAY, ROW, COL) ;

float CL2(TSTEP, LAY, ROW, COL) ;

Aerosols: (or take aerosols from NEI ….?)

float PAL(TSTEP, LAY, ROW, COL) ;

float PCA(TSTEP, LAY, ROW, COL) ;

float PCL(TSTEP, LAY, ROW, COL) ;

float PEC(TSTEP, LAY, ROW, COL) ;

float PFE(TSTEP, LAY, ROW, COL) ;

float PH2O(TSTEP, LAY, ROW, COL) ;

float PK(TSTEP, LAY, ROW, COL) ;

float PMG(TSTEP, LAY, ROW, COL) ;

float PMN(TSTEP, LAY, ROW, COL) ;

float PMOTHR(TSTEP, LAY, ROW, COL) ;

float PNA(TSTEP, LAY, ROW, COL) ;

float PNCOM(TSTEP, LAY, ROW, COL) ;

float PNH4(TSTEP, LAY, ROW, COL) ;

float PNO3(TSTEP, LAY, ROW, COL) ;

float POC(TSTEP, LAY, ROW, COL) ;

float PSI(TSTEP, LAY, ROW, COL) ;

float PSO4(TSTEP, LAY, ROW, COL) ;

float PTI(TSTEP, LAY, ROW, COL) ;