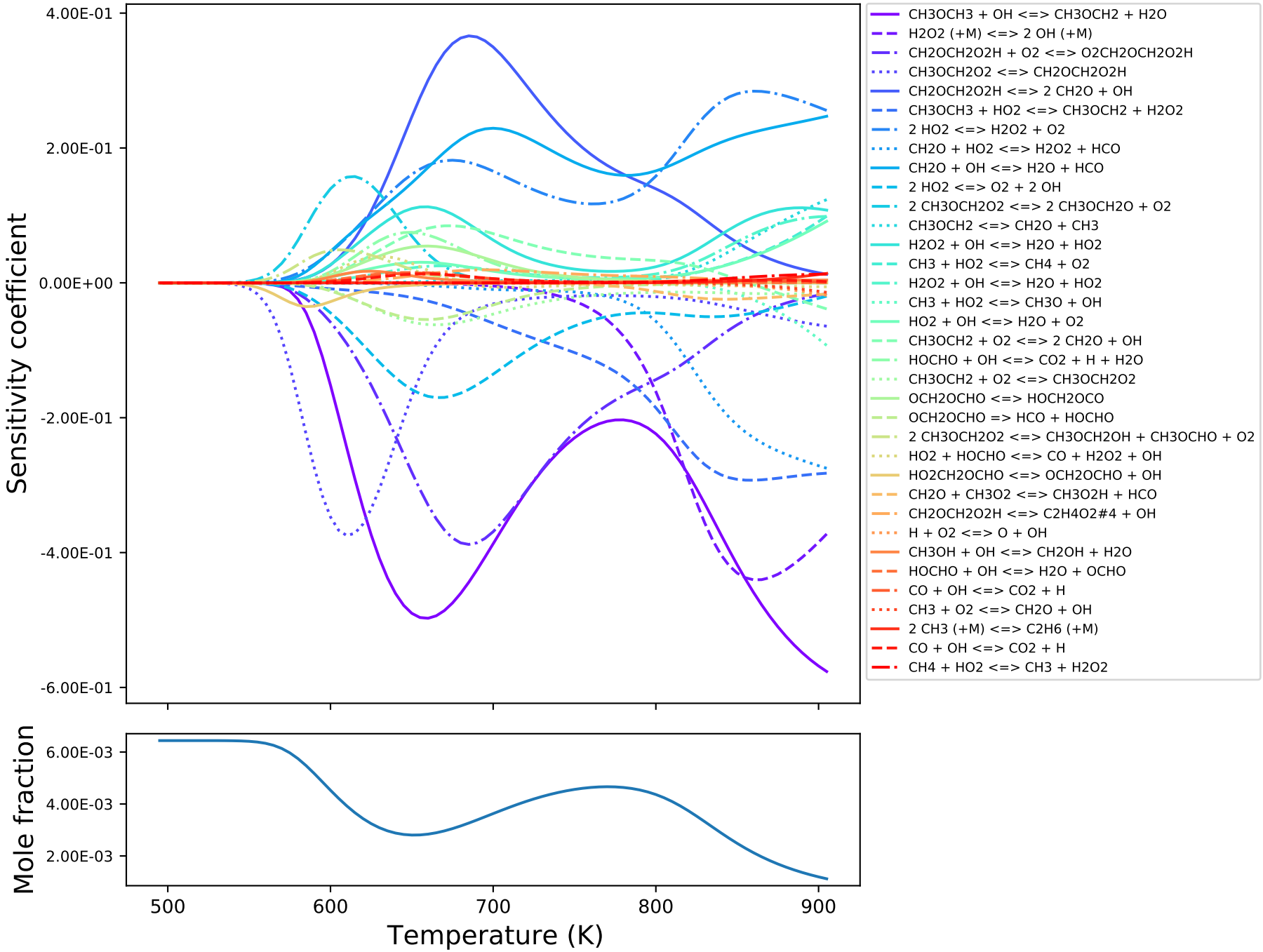
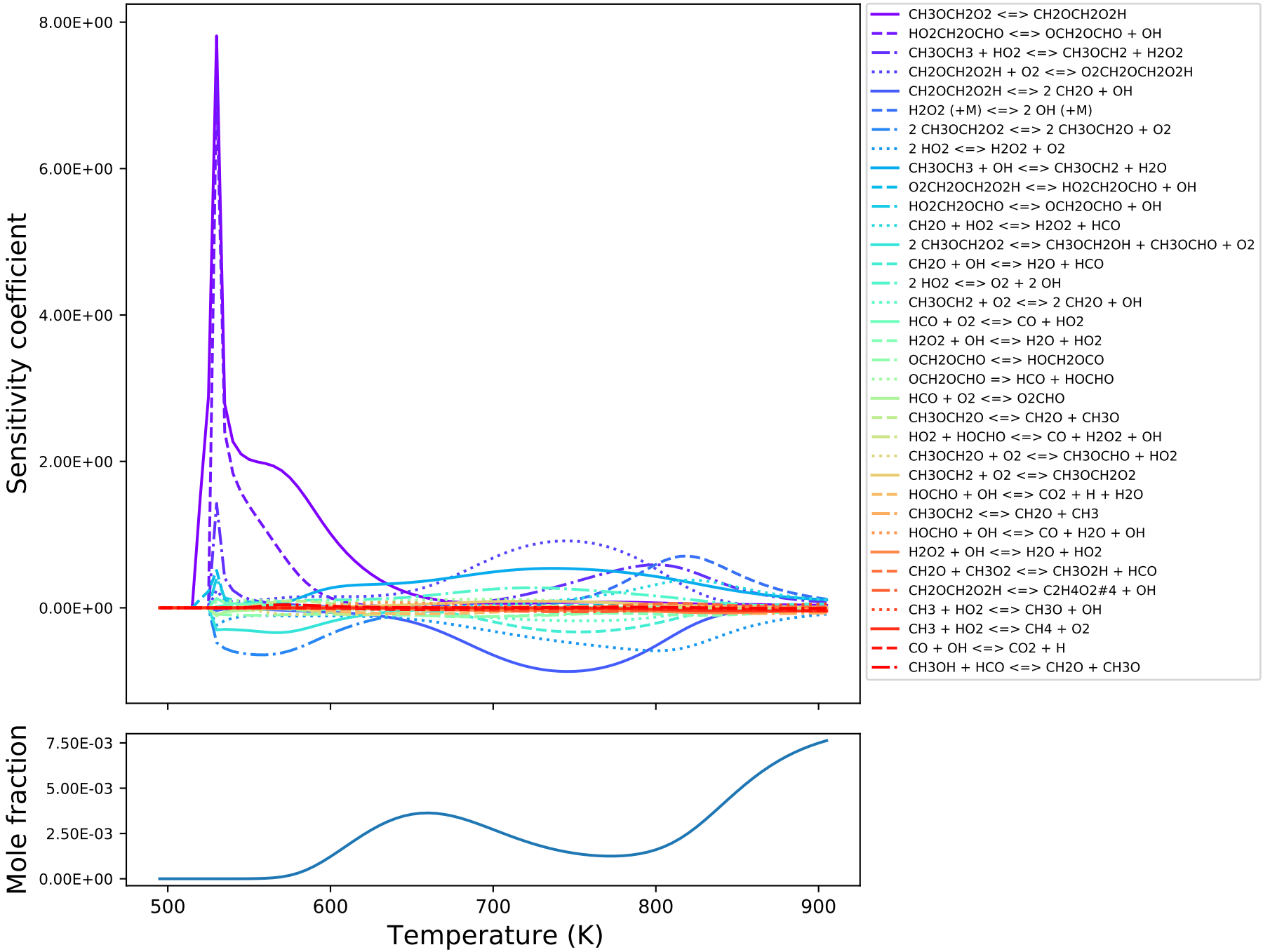
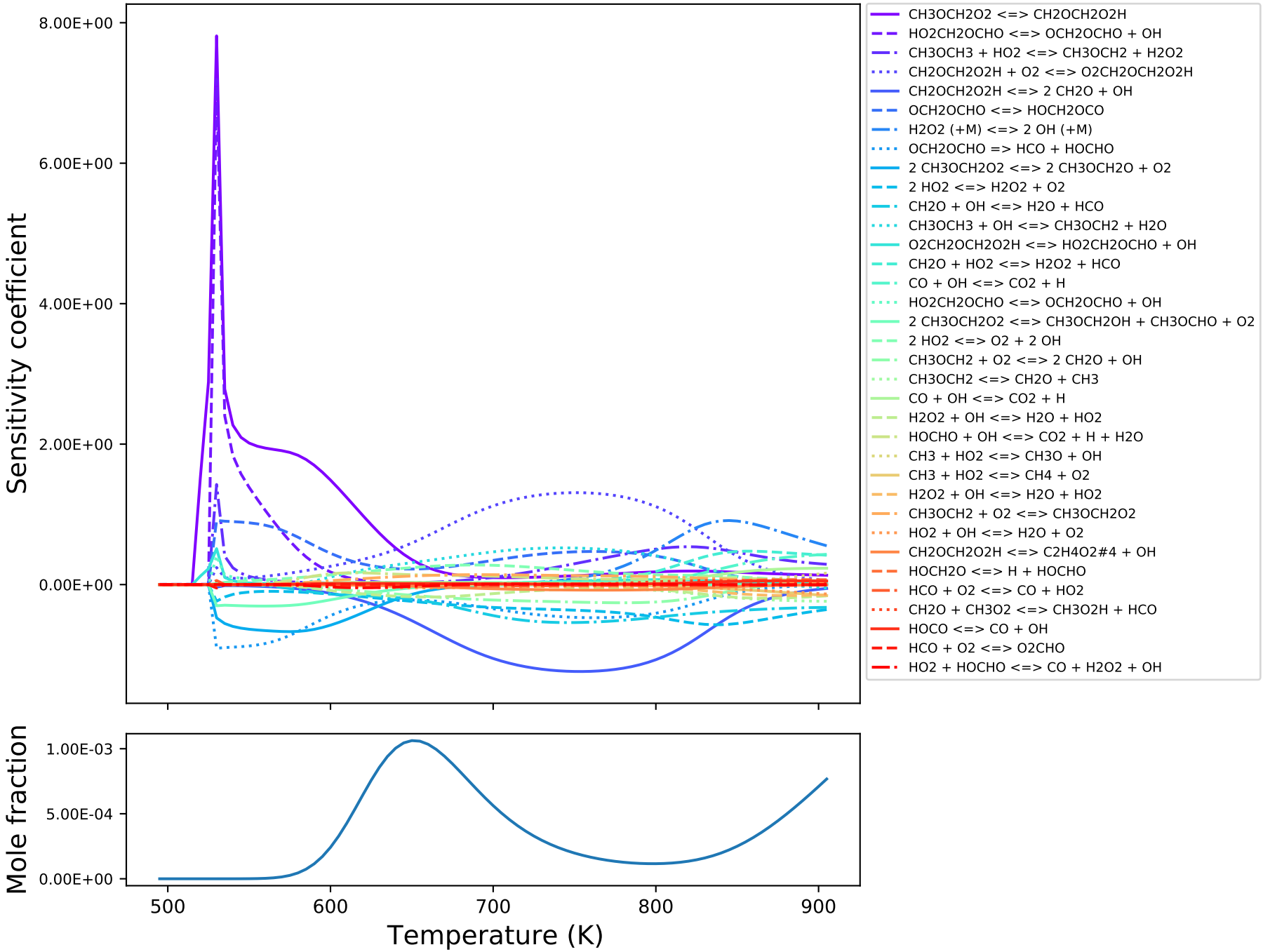
CH3OCH3


Sensitivity coefficient
4.00E-01
2.00E-01
0.00E+00
-2.00E-01
-4.00E-01
-6.00E-01
Mole fraction
6.00E-03
4.00E-03
2.00E-03
500
600
700
800
900
Temperature (K)
CH3OCH3 + OH <=> CH3OCH2 + H2O
H2O2 (+M) <=> 2 OH (+M)
CH2OCH2O2H + O2 <=> O2CH2OCH2O2H
CH3OCH2O2 <=> CH2OCH2O2H
CH2OCH2O2H <=> 2 CH2O + OH
CH3OCH3 + HO2 <=> CH3OCH2 + H2O2
2 HO2 <=> H2O2 + O2
CH2O + HO2 <=> H2O2 + HCO
CH2O + OH <=> H2O + HCO
2 HO2 <=> O2 + 2 OH
2 CH3OCH2O2 <=> 2 CH3OCH2O + O2
CH3OCH2 <=> CH2O + CH3
H2O2 + OH <=> H2O + HO2
CH3 + HO2 <=> CH4 + O2
H2O2 + OH <=> H2O + HO2
CH3 + HO2 <=> CH3O + OH
HO2 + OH <=> H2O + O2
CH3OCH2 + O2 <=> 2 CH2O + OH
HOCHO + OH <=> CO2 + H + H2O
CH3OCH2 + O2 <=> CH3OCH2O2
OCH2OCHO <=> HOCH2OCO
OCH2OCHO => HCO + HOCHO
2 CH3OCH2O2 <=> CH3OCH2OH + CH3OCHO + O2
HO2 + HOCHO <=> CO + H2O2 + OH
HO2CH2OCHO <=> OCH2OCHO + OH
CH2O + CH3O2 <=> CH3O2H + HCO
CH2OCH2O2H <=> C2H4O2#4 + OH
H + O2 <=> O + OH
CH3OH + OH <=> CH2OH + H2O
HOCHO + OH <=> H2O + OCHO
CO + OH <=> CO2 + H
CH3 + O2 <=> CH2O + OH
2 CH3 (+M) <=> C2H6 (+M)
CO + OH <=> CO2 + H
CH4 + HO2 <=> CH3 + H2O2

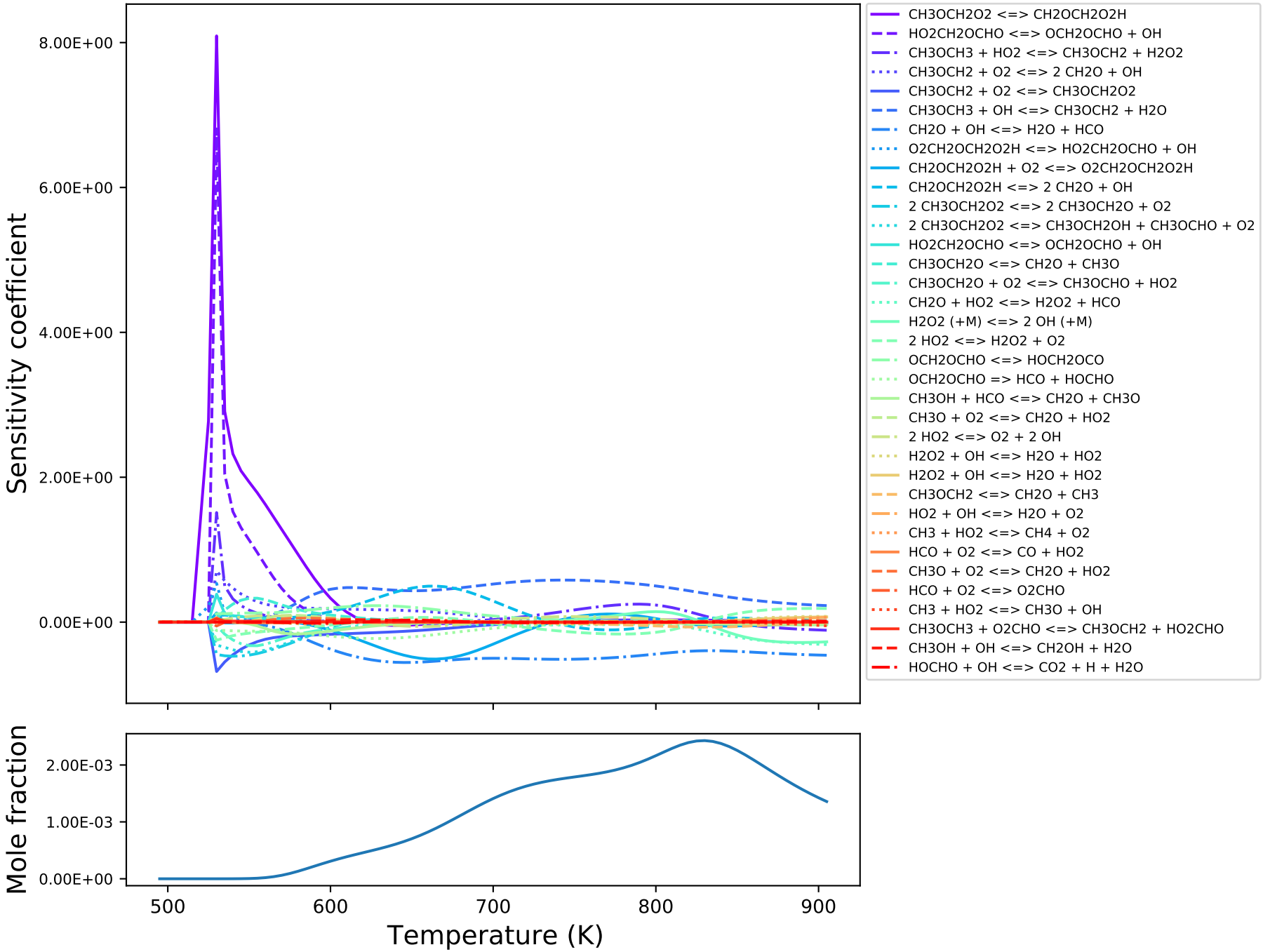
CO


Sensitivity coefficient
8.00E+00
6.00E+00
4.00E+00
2.00E+00
0.00E+00
Mole fraction
7.50E-03
5.00E-03
2.50E-03
0.00E+00
500
600
700
800
900
Temperature (K)
CH3OCH2O2 <=> CH2OCH2O2H
HO2CH2OCHO <=> OCH2OCHO + OH
CH3OCH3 + HO2 <=> CH3OCH2 + H2O2
CH2OCH2O2H + O2 <=> O2CH2OCH2O2H
CH2OCH2O2H <=> 2 CH2O + OH
H2O2 (+M) <=> 2 OH (+M)
2 CH3OCH2O2 <=> 2 CH3OCH2O + O2
2 HO2 <=> H2O2 + O2
CH3OCH3 + OH <=> CH3OCH2 + H2O
O2CH2OCH2O2H <=> HO2CH2OCHO + OH
HO2CH2OCHO <=> OCH2OCHO + OH
CH2O + HO2 <=> H2O2 + HCO
2 CH3OCH2O2 <=> CH3OCH2OH + CH3OCHO + O2
CH2O + OH <=> H2O + HCO
2 HO2 <=> O2 + 2 OH
CH3OCH2 + O2 <=> 2 CH2O + OH
HCO + O2 <=> CO + HO2
H2O2 + OH <=> H2O + HO2
OCH2OCHO <=> HOCH2OCO
OCH2OCHO => HCO + HOCHO
HCO + O2 <=> O2CHO
CH3OCH2O <=> CH2O + CH3O
HO2 + HOCHO <=> CO + H2O2 + OH
CH3OCH2O + O2 <=> CH3OCHO + HO2
CH3OCH2 + O2 <=> CH3OCH2O2
HOCHO + OH <=> CO2 + H + H2O
CH3OCH2 <=> CH2O + CH3
HOCHO + OH <=> CO + H2O + OH
H2O2 + OH <=> H2O + HO2
CH2O + CH3O2 <=> CH3O2H + HCO
CH2OCH2O2H <=> C2H4O2#4 + OH
CH3 + HO2 <=> CH3O + OH
CH3 + HO2 <=> CH4 + O2
CO + OH <=> CO2 + H
CH3OH + HCO <=> CH2O + CH3O

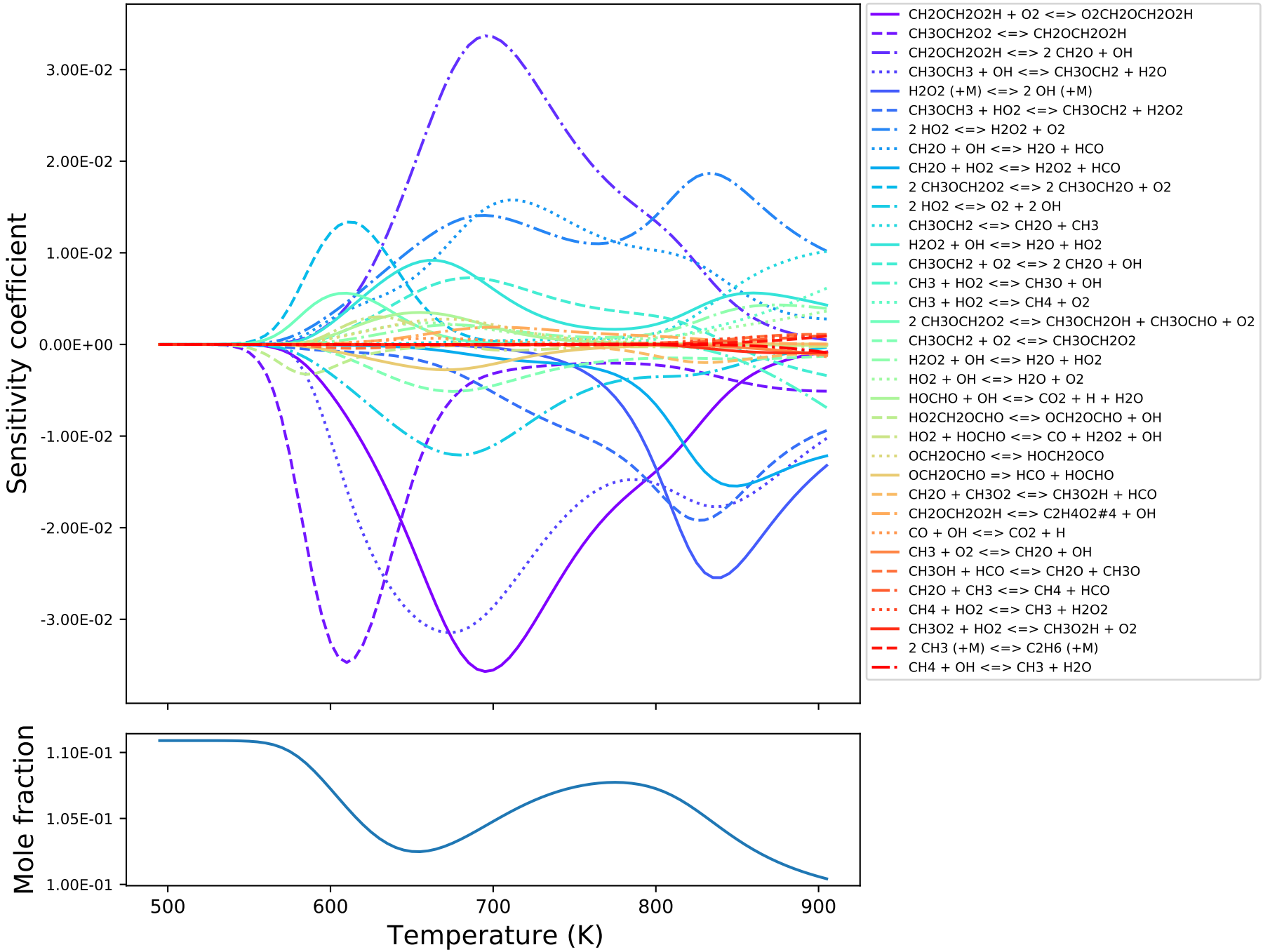
CO2


Sensitivity coefficient
8.00E+00
6.00E+00
4.00E+00
2.00E+00
0.00E+00
Mole fraction
1.00E-03
5.00E-04
0.00E+00
500
600
700
800
900
Temperature (K)
CH3OCH2O2 <=> CH2OCH2O2H
HO2CH2OCHO <=> OCH2OCHO + OH
CH3OCH3 + HO2 <=> CH3OCH2 + H2O2
CH2OCH2O2H + O2 <=> O2CH2OCH2O2H
CH2OCH2O2H <=> 2 CH2O + OH
OCH2OCHO <=> HOCH2OCO
H2O2 (+M) <=> 2 OH (+M)
OCH2OCHO => HCO + HOCHO
2 CH3OCH2O2 <=> 2 CH3OCH2O + O2
2 HO2 <=> H2O2 + O2
CH2O + OH <=> H2O + HCO
CH3OCH3 + OH <=> CH3OCH2 + H2O
O2CH2OCH2O2H <=> HO2CH2OCHO + OH
CH2O + HO2 <=> H2O2 + HCO
CO + OH <=> CO2 + H
HO2CH2OCHO <=> OCH2OCHO + OH
2 CH3OCH2O2 <=> CH3OCH2OH + CH3OCHO + O2
2 HO2 <=> O2 + 2 OH
CH3OCH2 + O2 <=> 2 CH2O + OH
CH3OCH2 <=> CH2O + CH3
CO + OH <=> CO2 + H
H2O2 + OH <=> H2O + HO2
HOCHO + OH <=> CO2 + H + H2O
CH3 + HO2 <=> CH3O + OH
CH3 + HO2 <=> CH4 + O2
H2O2 + OH <=> H2O + HO2
CH3OCH2 + O2 <=> CH3OCH2O2
HO2 + OH <=> H2O + O2
CH2OCH2O2H <=> C2H4O2#4 + OH
HOCH2O <=> H + HOCHO
HCO + O2 <=> CO + HO2
CH2O + CH3O2 <=> CH3O2H + HCO
HOCO <=> CO + OH
HCO + O2 <=> O2CHO
HO2 + HOCHO <=> CO + H2O2 + OH

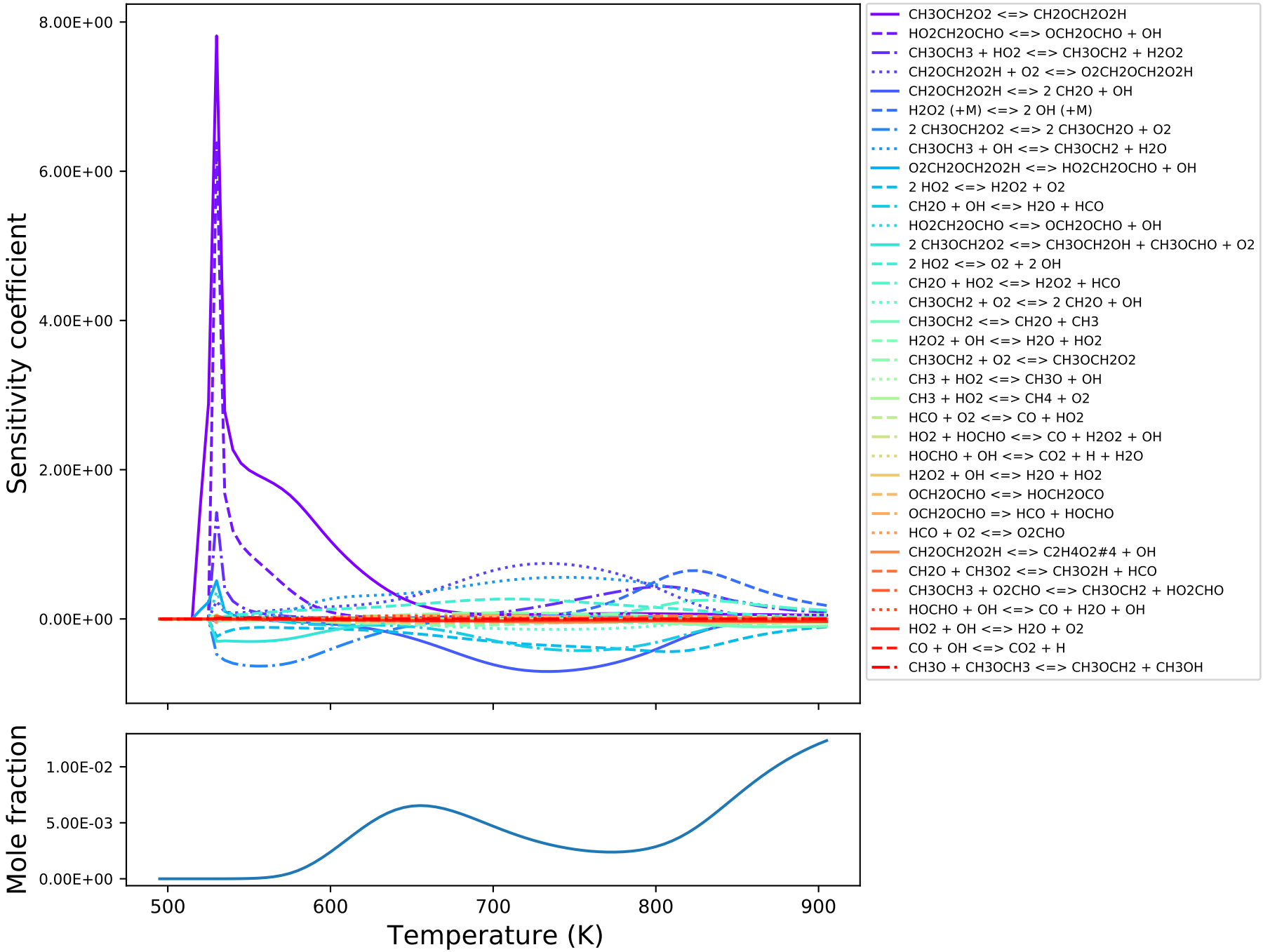
CH2O


Sensitivity coefficient
8.00E+00
6.00E+00
4.00E+00
2.00E+00
0.00E+00
Mole fraction
2.00E-03
1.00E-03
0.00E+00
500
600
700
800
900
Temperature (K)
CH3OCH2O2 <=> CH2OCH2O2H
HO2CH2OCHO <=> OCH2OCHO + OH
CH3OCH3 + HO2 <=> CH3OCH2 + H2O2
CH3OCH2 + O2 <=> 2 CH2O + OH
CH3OCH2 + O2 <=> CH3OCH2O2
CH3OCH3 + OH <=> CH3OCH2 + H2O
CH2O + OH <=> H2O + HCO
O2CH2OCH2O2H <=> HO2CH2OCHO + OH
CH2OCH2O2H + O2 <=> O2CH2OCH2O2H
CH2OCH2O2H <=> 2 CH2O + OH
2 CH3OCH2O2 <=> 2 CH3OCH2O + O2
2 CH3OCH2O2 <=> CH3OCH2OH + CH3OCHO + O2
HO2CH2OCHO <=> OCH2OCHO + OH
CH3OCH2O <=> CH2O + CH3O
CH3OCH2O + O2 <=> CH3OCHO + HO2
CH2O + HO2 <=> H2O2 + HCO
H2O2 (+M) <=> 2 OH (+M)
2 HO2 <=> H2O2 + O2
OCH2OCHO <=> HOCH2OCO
OCH2OCHO => HCO + HOCHO
CH3OH + HCO <=> CH2O + CH3O
CH3O + O2 <=> CH2O + HO2
2 HO2 <=> O2 + 2 OH
H2O2 + OH <=> H2O + HO2
H2O2 + OH <=> H2O + HO2
CH3OCH2 <=> CH2O + CH3
HO2 + OH <=> H2O + O2
CH3 + HO2 <=> CH4 + O2
HCO + O2 <=> CO + HO2
CH3O + O2 <=> CH2O + HO2
HCO + O2 <=> O2CHO
CH3 + HO2 <=> CH3O + OH
CH3OCH3 + O2CHO <=> CH3OCH2 + HO2CHO
CH3OH + OH <=> CH2OH + H2O
HOCHO + OH <=> CO2 + H + H2O

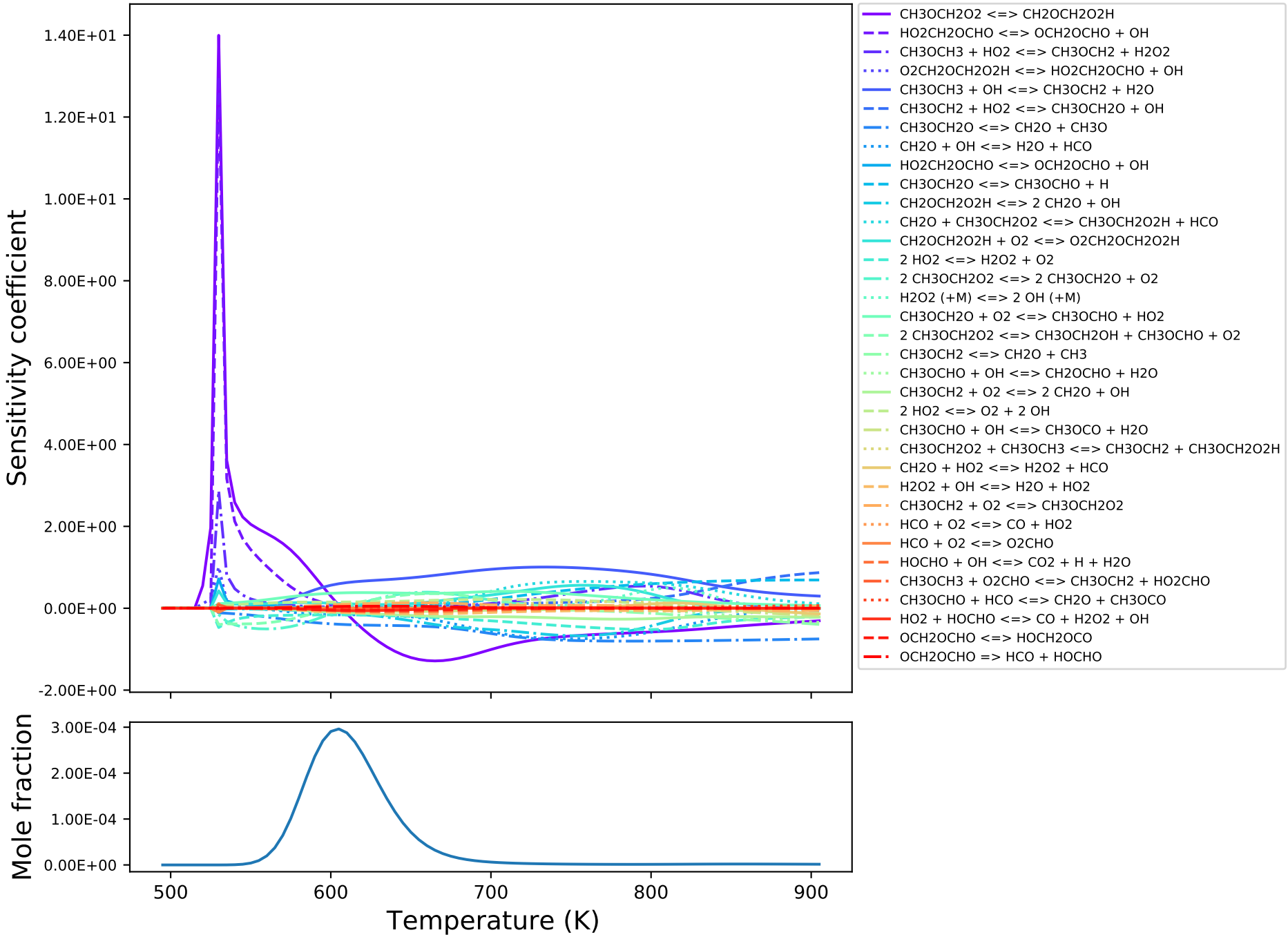
O2


Sensitivity coefficient
3.00E-02
2.00E-02
1.00E-02
0.00E+00
-1.00E-02
-2.00E-02
-3.00E-02
Mole fraction
1.10E-01
1.05E-01
1.00E-01
500
600
700
800
900
Temperature (K)
CH2OCH2O2H + O2 <=> O2CH2OCH2O2H
CH3OCH2O2 <=> CH2OCH2O2H
CH2OCH2O2H <=> 2 CH2O + OH
CH3OCH3 + OH <=> CH3OCH2 + H2O
H2O2 (+M) <=> 2 OH (+M)
CH3OCH3 + HO2 <=> CH3OCH2 + H2O2
2 HO2 <=> H2O2 + O2
CH2O + OH <=> H2O + HCO
CH2O + HO2 <=> H2O2 + HCO
2 CH3OCH2O2 <=> 2 CH3OCH2O + O2
2 HO2 <=> O2 + 2 OH
CH3OCH2 <=> CH2O + CH3
H2O2 + OH <=> H2O + HO2
CH3OCH2 + O2 <=> 2 CH2O + OH
CH3 + HO2 <=> CH3O + OH
CH3 + HO2 <=> CH4 + O2
2 CH3OCH2O2 <=> CH3OCH2OH + CH3OCHO + O2
CH3OCH2 + O2 <=> CH3OCH2O2
H2O2 + OH <=> H2O + HO2
HO2 + OH <=> H2O + O2
HOCHO + OH <=> CO2 + H + H2O
HO2CH2OCHO <=> OCH2OCHO + OH
HO2 + HOCHO <=> CO + H2O2 + OH
OCH2OCHO <=> HOCH2OCO
OCH2OCHO => HCO + HOCHO
CH2O + CH3O2 <=> CH3O2H + HCO
CH2OCH2O2H <=> C2H4O2#4 + OH
CO + OH <=> CO2 + H
CH3 + O2 <=> CH2O + OH
CH3OH + HCO <=> CH2O + CH3O
CH2O + CH3 <=> CH4 + HCO
CH4 + HO2 <=> CH3 + H2O2
CH3O2 + HO2 <=> CH3O2H + O2
2 CH3 (+M) <=> C2H6 (+M)
CH4 + OH <=> CH3 + H2O

H2O


Sensitivity coefficient
8.00E+00
6.00E+00
4.00E+00
2.00E+00
0.00E+00
Mole fraction
1.00E-02
5.00E-03
0.00E+00
500
600
700
800
900
Temperature (K)
CH3OCH2O2 <=> CH2OCH2O2H
HO2CH2OCHO <=> OCH2OCHO + OH
CH3OCH3 + HO2 <=> CH3OCH2 + H2O2
CH2OCH2O2H + O2 <=> O2CH2OCH2O2H
CH2OCH2O2H <=> 2 CH2O + OH
H2O2 (+M) <=> 2 OH (+M)
2 CH3OCH2O2 <=> 2 CH3OCH2O + O2
CH3OCH3 + OH <=> CH3OCH2 + H2O
O2CH2OCH2O2H <=> HO2CH2OCHO + OH
2 HO2 <=> H2O2 + O2
CH2O + OH <=> H2O + HCO
HO2CH2OCHO <=> OCH2OCHO + OH
2 CH3OCH2O2 <=> CH3OCH2OH + CH3OCHO + O2
2 HO2 <=> O2 + 2 OH
CH2O + HO2 <=> H2O2 + HCO
CH3OCH2 + O2 <=> 2 CH2O + OH
CH3OCH2 <=> CH2O + CH3
H2O2 + OH <=> H2O + HO2
CH3OCH2 + O2 <=> CH3OCH2O2
CH3 + HO2 <=> CH3O + OH
CH3 + HO2 <=> CH4 + O2
HCO + O2 <=> CO + HO2
HO2 + HOCHO <=> CO + H2O2 + OH
HOCHO + OH <=> CO2 + H + H2O
H2O2 + OH <=> H2O + HO2
OCH2OCHO <=> HOCH2OCO
OCH2OCHO => HCO + HOCHO
HCO + O2 <=> O2CHO
CH2OCH2O2H <=> C2H4O2#4 + OH
CH2O + CH3O2 <=> CH3O2H + HCO
CH3OCH3 + O2CHO <=> CH3OCH2 + HO2CHO
HOCHO + OH <=> CO + H2O + OH
HO2 + OH <=> H2O + O2
CO + OH <=> CO2 + H
CH3O + CH3OCH3 <=> CH3OCH2 + CH3OH

CH3OCHO


Sensitivity coefficient
1.40E+01
1.20E+01
1.00E+01
8.00E+00
6.00E+00
4.00E+00
2.00E+00
0.00E+00
-2.00E+00
Mole fraction
3.00E-04
2.00E-04
1.00E-04
0.00E+00
500
600
700
800
900
Temperature (K)
CH3OCH2O2 <=> CH2OCH2O2H
HO2CH2OCHO <=> OCH2OCHO + OH
CH3OCH3 + HO2 <=> CH3OCH2 + H2O2
O2CH2OCH2O2H <=> HO2CH2OCHO + OH
CH3OCH3 + OH <=> CH3OCH2 + H2O
CH3OCH2 + HO2 <=> CH3OCH2O + OH
CH3OCH2O <=> CH2O + CH3O
CH2O + OH <=> H2O + HCO
HO2CH2OCHO <=> OCH2OCHO + OH
CH3OCH2O <=> CH3OCHO + H
CH2OCH2O2H <=> 2 CH2O + OH
CH2O + CH3OCH2O2 <=> CH3OCH2O2H + HCO
CH2OCH2O2H + O2 <=> O2CH2OCH2O2H
2 HO2 <=> H2O2 + O2
2 CH3OCH2O2 <=> 2 CH3OCH2O + O2
H2O2 (+M) <=> 2 OH (+M)
CH3OCH2O + O2 <=> CH3OCHO + HO2
2 CH3OCH2O2 <=> CH3OCH2OH + CH3OCHO + O2
CH3OCH2 <=> CH2O + CH3
CH3OCHO + OH <=> CH2OCHO + H2O
CH3OCH2 + O2 <=> 2 CH2O + OH
2 HO2 <=> O2 + 2 OH
CH3OCHO + OH <=> CH3OCO + H2O
CH3OCH2O2 + CH3OCH3 <=> CH3OCH2 + CH3OCH2O2H
CH2O + HO2 <=> H2O2 + HCO
H2O2 + OH <=> H2O + HO2
CH3OCH2 + O2 <=> CH3OCH2O2
HCO + O2 <=> CO + HO2
HCO + O2 <=> O2CHO
HOCHO + OH <=> CO2 + H + H2O
CH3OCH3 + O2CHO <=> CH3OCH2 + HO2CHO
CH3OCHO + HCO <=> CH2O + CH3OCO
HO2 + HOCHO <=> CO + H2O2 + OH
OCH2OCHO <=> HOCH2OCO
OCH2OCHO => HCO + HOCHO