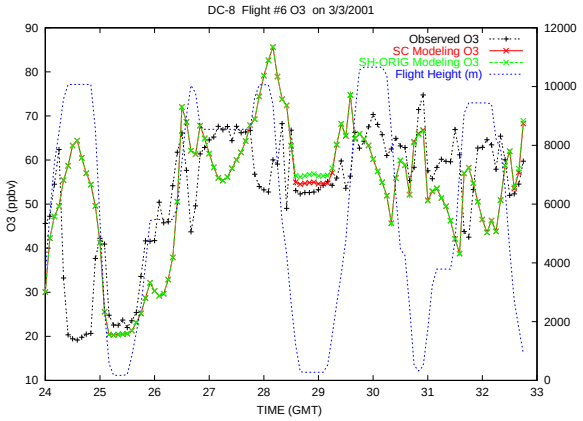
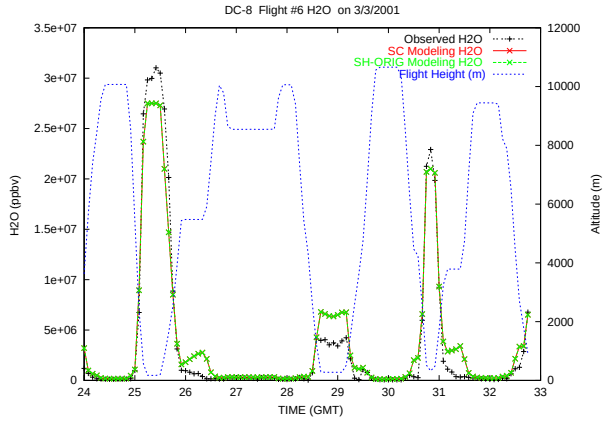
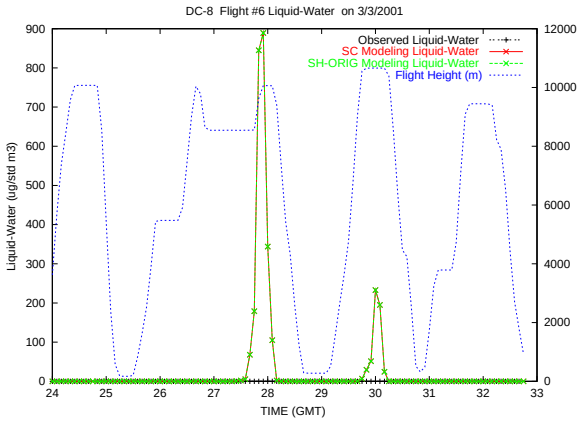
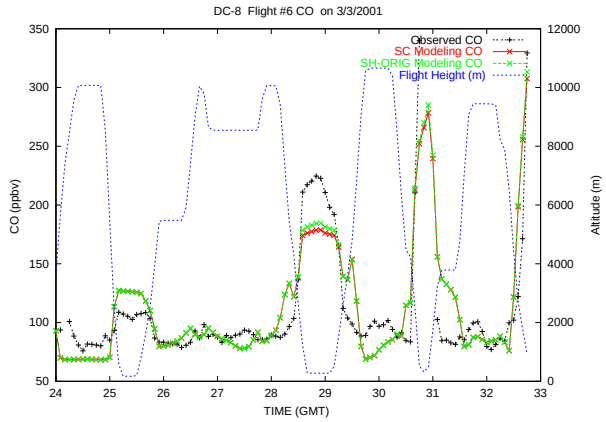
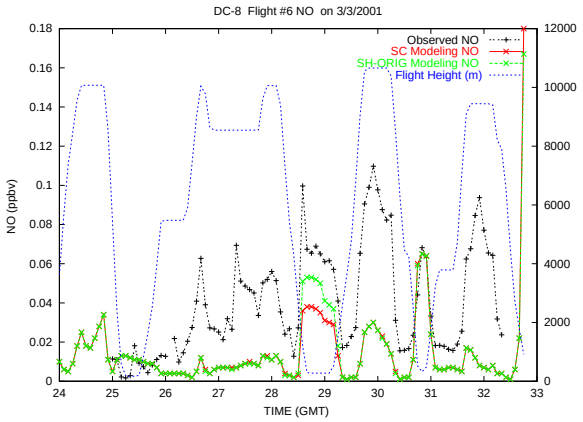
TRACE-P DC-8 Flight #6

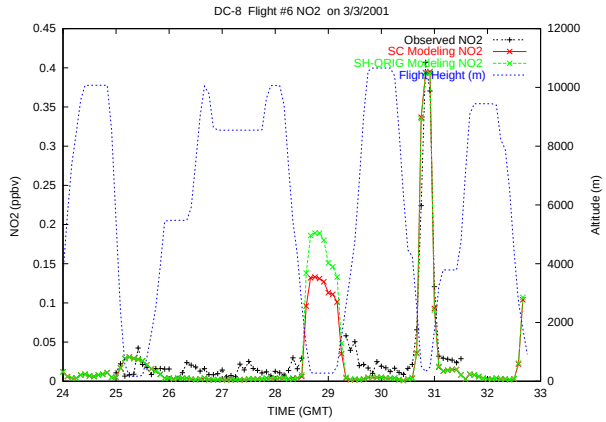


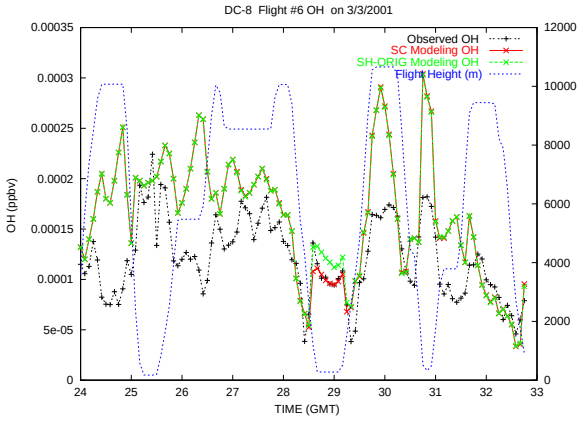


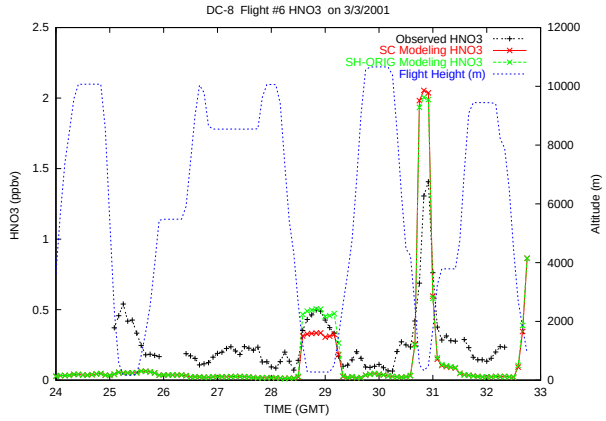


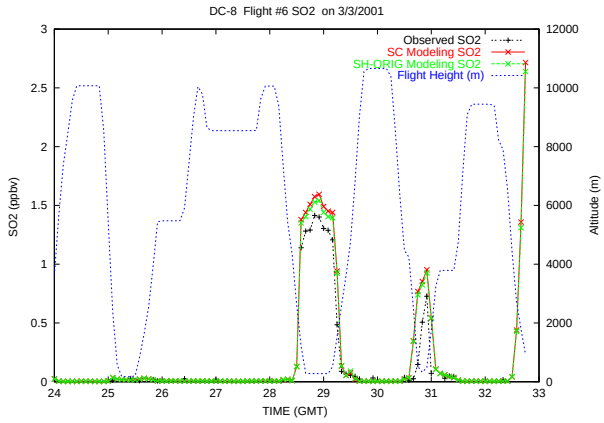


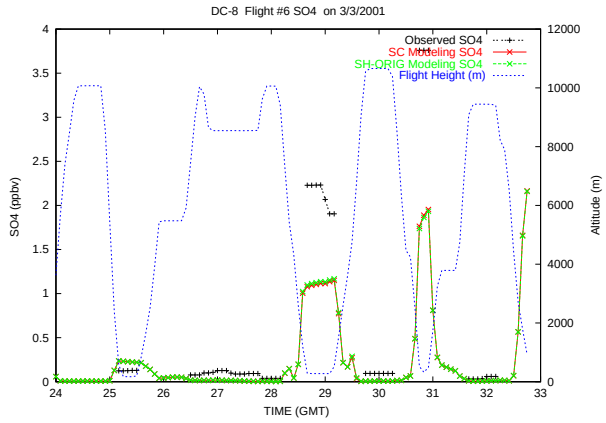


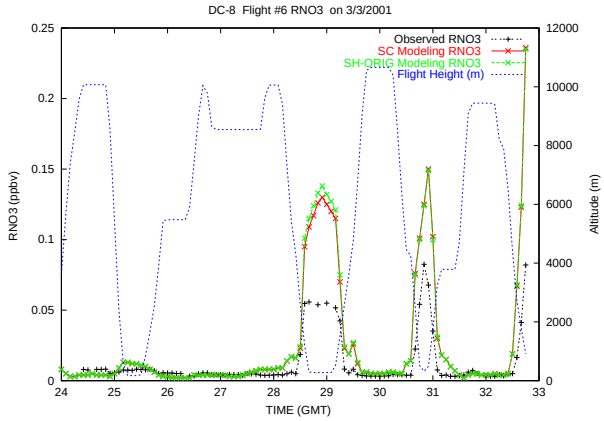


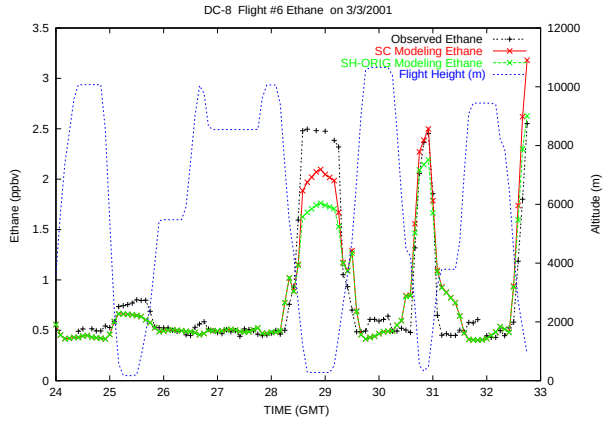


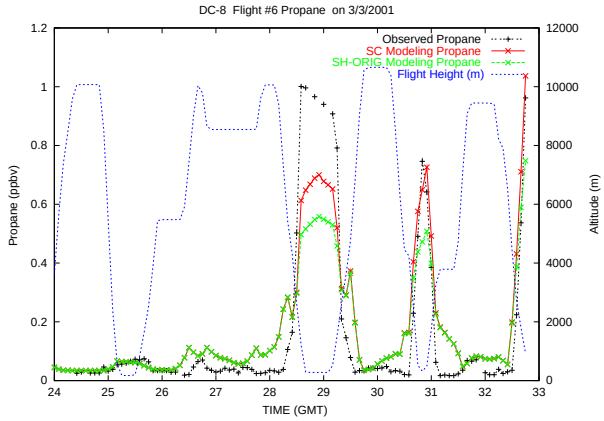


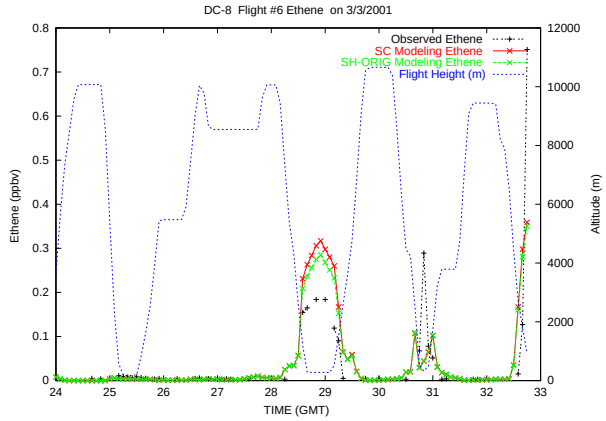

DC-8 Flight #6 SO2 on 3/3/2001
Observed SO2
SC Modeling SO2
SH-ORIG Modeling SO2
Flight Height (m)
SO2 (ppbv)
Altitude (m)
TIME (GMT)

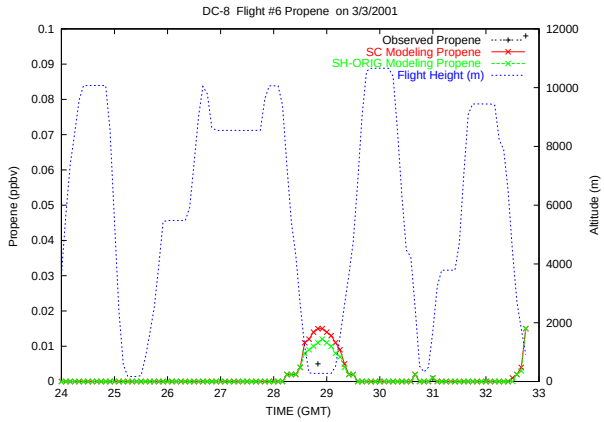

DC-8 Flight #6 SO4 on 3/3/2001
Observed SO4
SC Modeling SO4
SH-ORIG Modeling SO4
Flight Height (m)
SO4 (ppbv)
Altitude (m)
TIME (GMT)

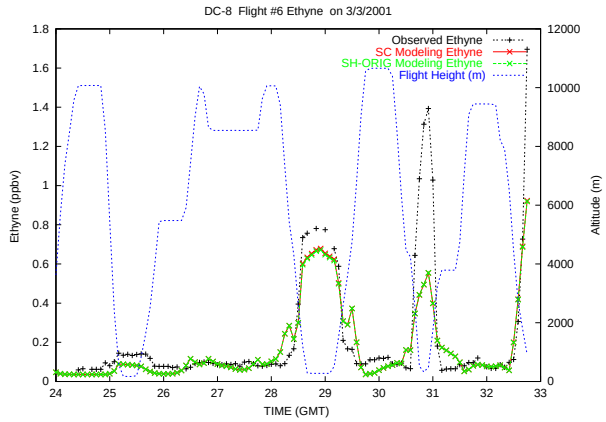

DC-8 Flight #6 RNO3 on 3/3/2001
Observed RNO3
SC Modeling RNO3
SH-ORIG Modeling RNO3
Flight Height (m)
RNO3 (ppbv)
Altitude (m)
TIME (GMT)

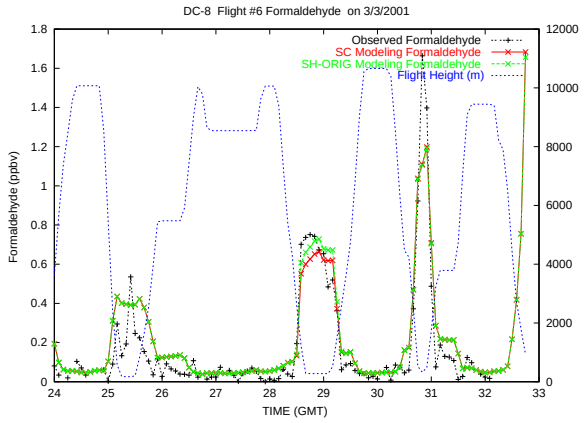

DC-8 Flight #6 Ethane on 3/3/2001
Observed Ethane
SC Modeling Ethane
SH-ORIG Modeling Ethane
Flight Height (m)
Ethane (ppbv)
Altitude (m)
TIME (GMT)

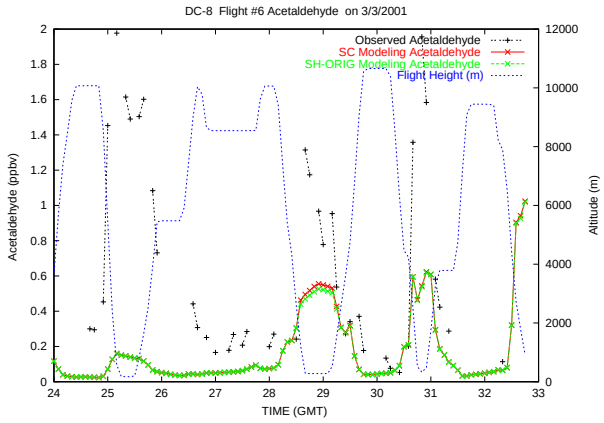

DC-8 Flight #6 Propane on 3/3/2001
Observed Propane
SC Modeling Propane
SH-ORIG Modeling Propane
Flight Height (m)
Propane (ppbv)
Altitude (m)
TIME (GMT)

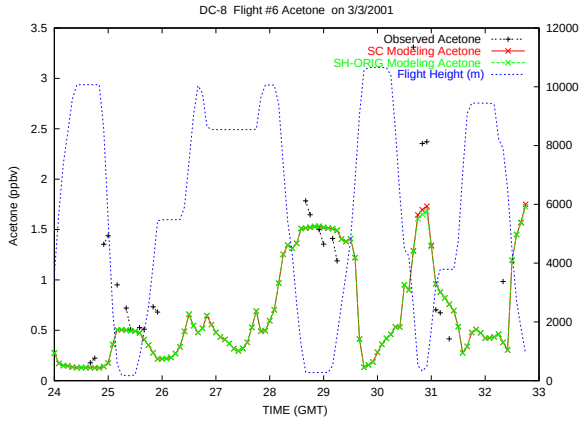

DC-8 Flight #6 Ethene on 3/3/2001
Observed Ethene
SC Modeling Ethene
SH-ORIG Modeling Ethene
Flight Height (m)
Ethene (ppbv)
Altitude (m)
TIME (GMT)

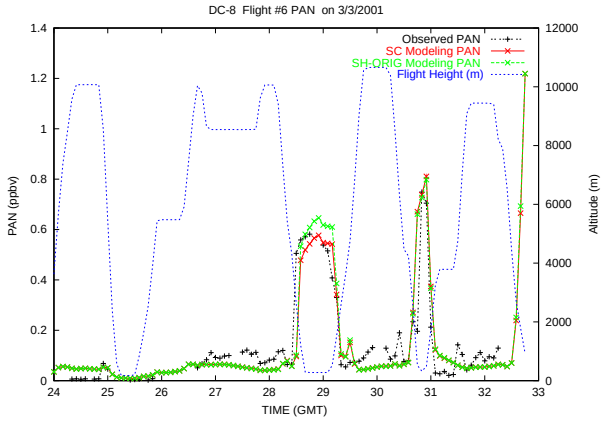

DC-8 Flight #6 Propene on 3/3/2001
Observed Propene
SC Modeling Propene
SH-ORIG Modeling Propene
Flight Height (m)
Propene (ppbv)
Altitude (m)
TIME (GMT)

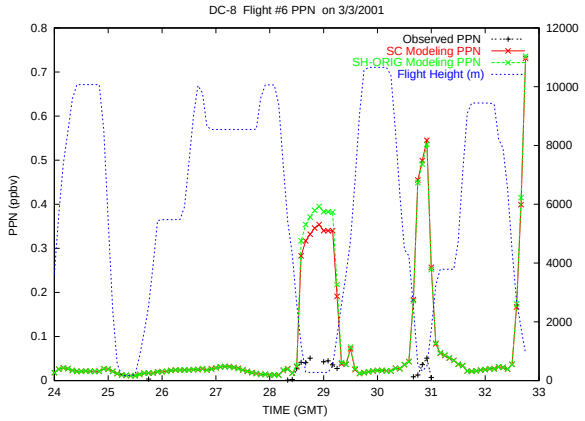

DC-8 Flight #6 Ethyne on 3/3/2001
Observed Ethyne
SC Modeling Ethyne
SH-ORIG Modeling Ethyne
Flight Height (m)
Ethyne (ppbv)
Altitude (m)
TIME (GMT)

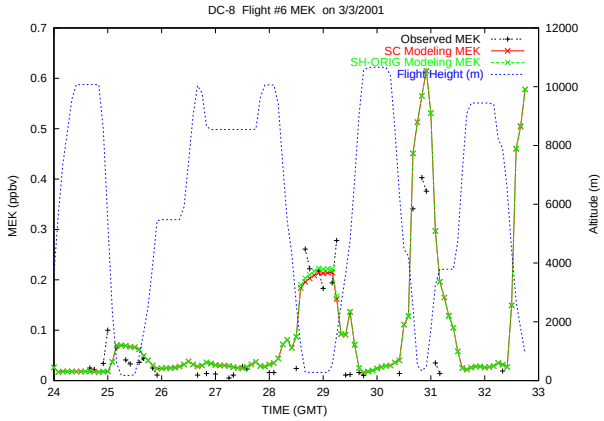

DC-8 Flight #6 Formaldehyde on 3/3/2001
Observed Formaldehyde
SC Modeling Formaldehyde
SH-ORIG Modeling Formaldehyde
Flight Height (m)
Formaldehyde (ppbv)
Altitude (m)
TIME (GMT)

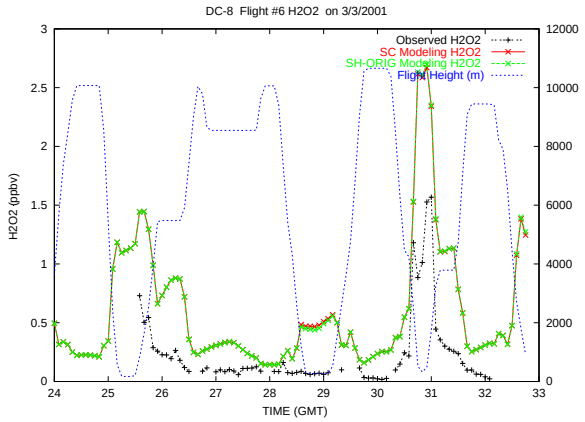

DC-8 Flight #6 Acetaldehyde on 3/3/2001
Observed Acetaldehyde
SC Modeling Acetaldehyde
SH-ORIG Modeling Acetaldehyde
Flight Height (m)
Acetaldehyde (ppbv)
Altitude (m)
TIME (GMT)

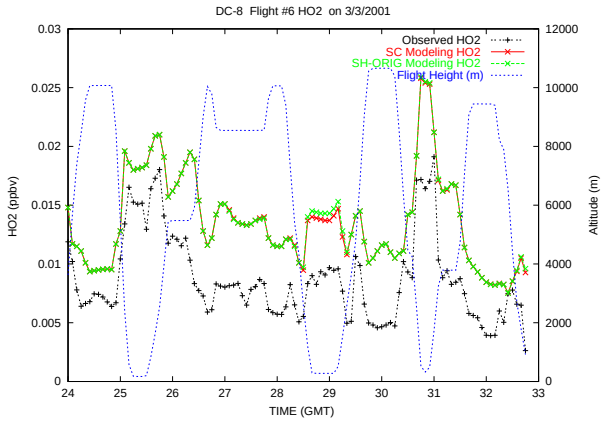

DC-8 Flight #6 Acetone on 3/3/2001
Observed Acetone
SC Modeling Acetone
SH-ORIG Modeling Acetone
Flight Height (m)
Acetone (ppbv)
Altitude (m)
TIME (GMT)

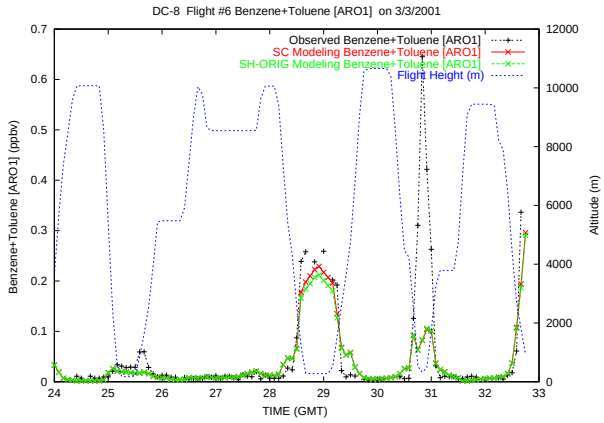

DC-8 Flight #6 PAN on 3/3/2001
Observed PAN
SC Modeling PAN
SH-ORIG Modeling PAN
Flight Height (m)
PAN (ppbv)
Altitude (m)
TIME (GMT)

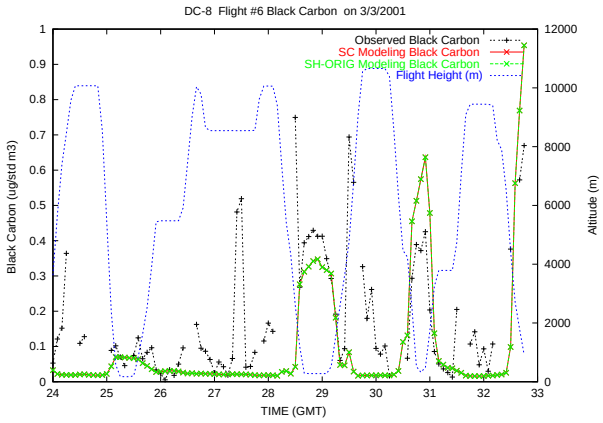

DC-8 Flight #6 PPN on 3/3/2001
Observed PPN
SC Modeling PPN
SH-ORIG Modeling PPN
Flight Height (m)
PPN (ppbv)
Altitude (m)
TIME (GMT)

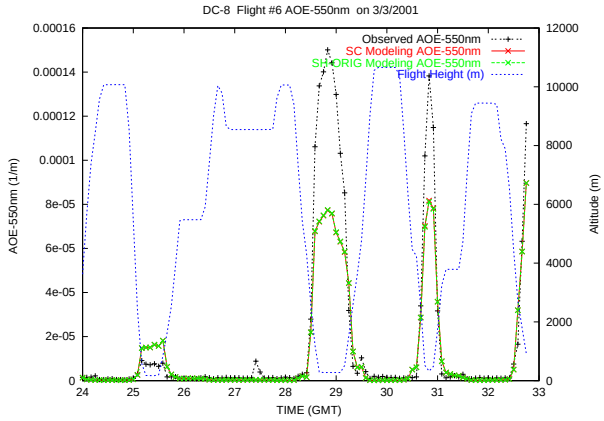

DC-8 Flight #6 MEK on 3/3/2001
Observed MEK
SC Modeling MEK
SH-ORIG Modeling MEK
Flight Height (m)
MEK (ppbv)
Altitude (m)
TIME (GMT)

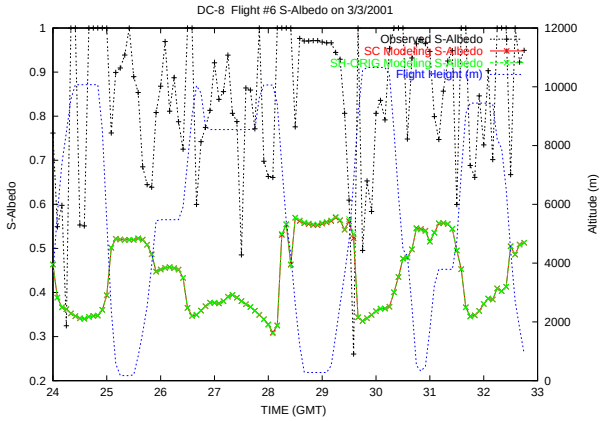

DC-8 Flight #6 H2O2 on 3/3/2001
Observed H2O2
SC Modeling H2O2
SH-ORIG Modeling H2O2
Flight Height (m)
H2O2 (ppbv)
Altitude (m)
TIME (GMT)

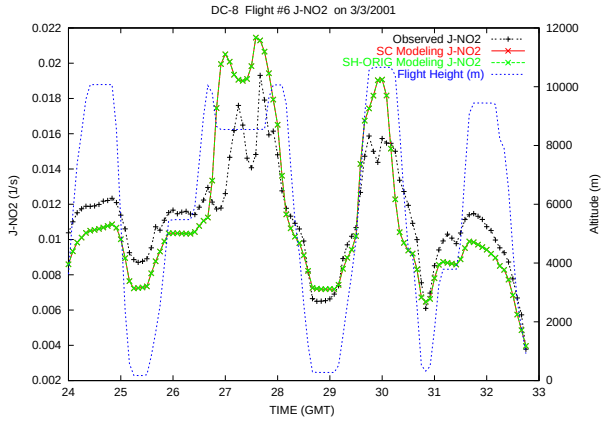

DC-8 Flight #6 HO2 on 3/3/2001
Observed HO2
SC Modeling HO2
SH-ORIG Modeling HO2
Flight Height (m)
HO2 (ppbv)
Altitude (m)
TIME (GMT)

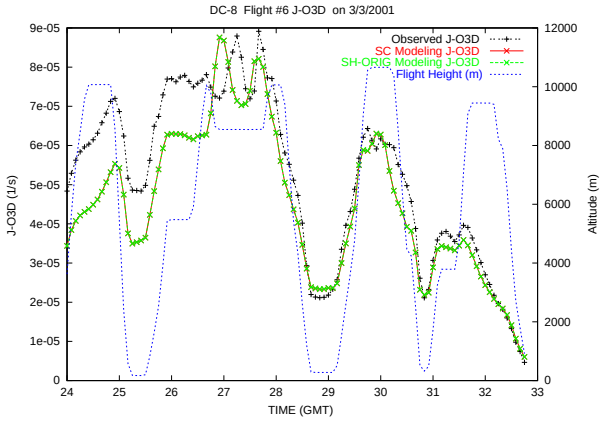

DC-8 Flight #6 Benzene+Toluene [ARO1] on 3/3/2001
Observed Benzene+Toluene [ARO1]
SC Modeling Benzene+Toluene [ARO1]
SH-ORIG Modeling Benzene+Toluene [ARO1]
Flight Height (m)
Benzene+Toluene [ARO1] (pptv)
Altitude (m)
TIME (GMT)

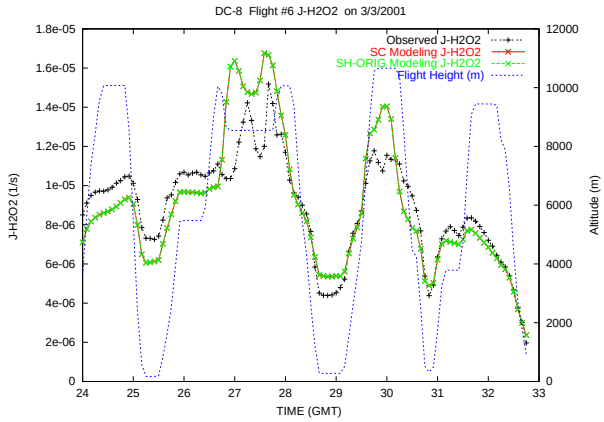

DC-8 Flight #6 Black Carbon on 3/3/2001
Observed Black Carbon
SC Modeling Black Carbon
SH-ORIG Modeling Black Carbon
Flight Height (m)
Black Carbon (ug/std m3)
Altitude (m)
TIME (GMT)

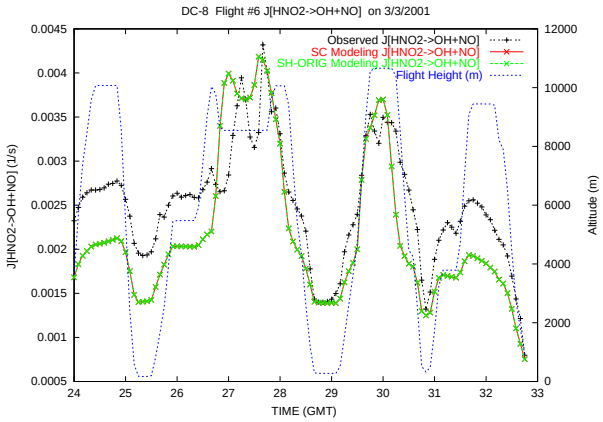

DC-8 Flight #6 AOE-550nm on 3/3/2001
Observed AOE-550nm
SC Modeling AOE-550nm
SH-ORIG Modeling AOE-550nm
Flight Height (m)
AOE-550nm (1/m)
Altitude (m)
TIME (GMT)

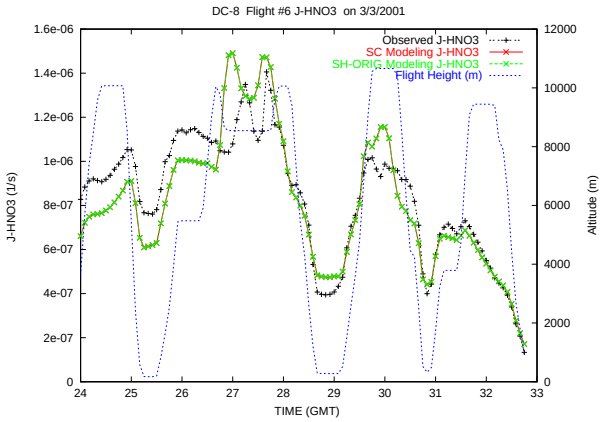

DC-8 Flight #6 S-Albedo on 3/3/2001
Observed S-Albedo
SC Modeling S-Albedo
SH-ORIG Modeling S-Albedo
Flight Height (m)
S-Albedo
Altitude (m)
TIME (GMT)

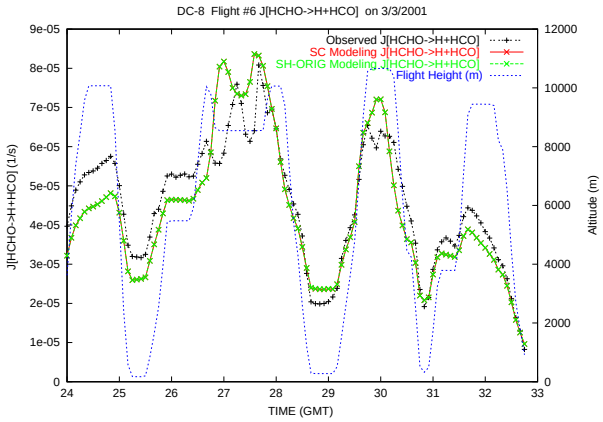

DC-8 Flight #6 J-NO2 on 3/3/2001
Observed J-NO2
SC Modeling J-NO2
SH-ORIG Modeling J-NO2
Flight Height (m)
J-NO2 (1/s)
Altitude (m)
TIME (GMT)

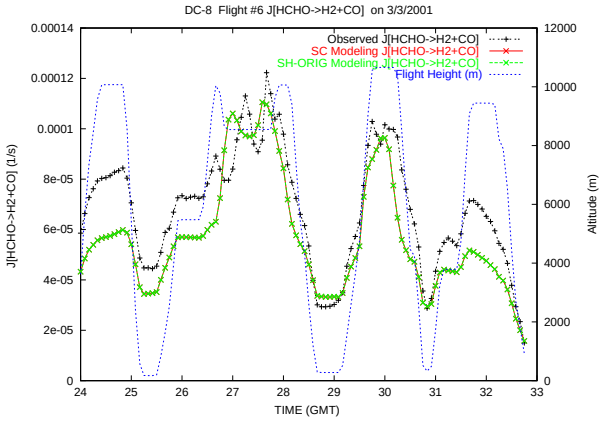

DC-8 Flight #6 J-O3D on 3/3/2001
Observed J-O3D
SC Modeling J-O3D
SH-ORIG Modeling J-O3D
Flight Height (m)
J-O3D (1/s)
Altitude (m)
TIME (GMT)

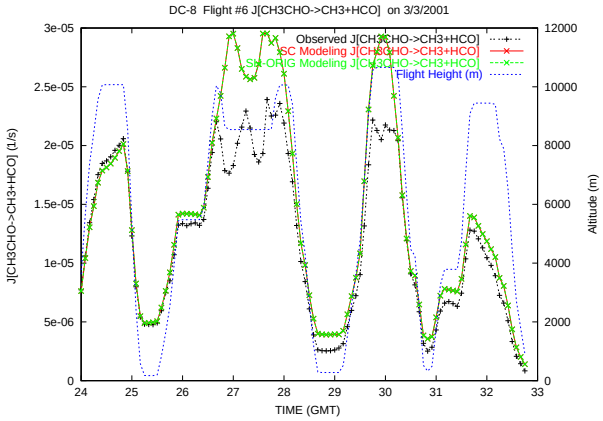

DC-8 Flight #6 J-H2O2 on 3/3/2001
Observed J-H2O2
SC Modeling J-H2O2
SH-ORIG Modeling J-H2O2
Flight Height (m)
J-H2O2 (1/s)
Altitude (m)
TIME (GMT)

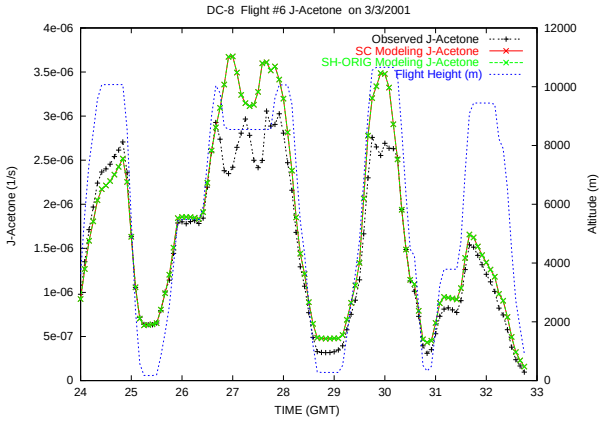

DC-8 Flight #6 J[HNO2->OH+NO] on 3/3/2001
Observed J[HNO2->OH+NO]
SC Modeling J[HNO2->OH+NO]
SH-ORIG Modeling J[HNO2->OH+NO]
Flight Height (m)
J[HNO2->OH+NO] (1/s)
Altitude (m)
TIME (GMT)

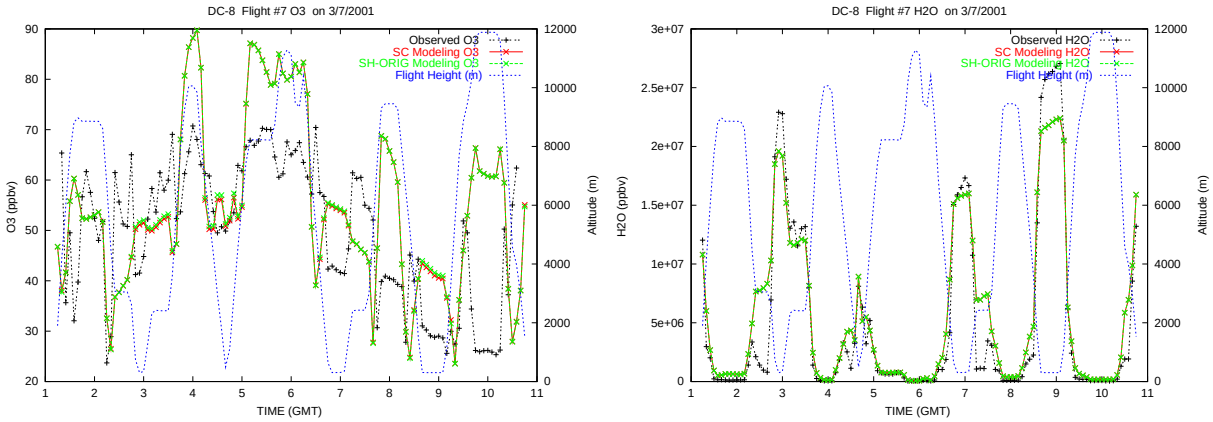

DC-8 Flight #6 J-HNO3 on 3/3/2001
Observed J-HNO3
SC Modeling J-HNO3
SH-ORIG Modeling J-HNO3
Flight Height (m)
J-HNO3 (1/s)
Altitude (m)
TIME (GMT)


DC-8 Flight #6 J[HCHO->H+HCO] on 3/3/2001
Observed J[HCHO->H+HCO]
SC Modeling J[HCHO->H+HCO]
SH-ORIG Modeling J[HCHO->H+HCO]
Flight Height (m)
J[HCHO->H+HCO] (1/s)
Altitude (m)
TIME (GMT)

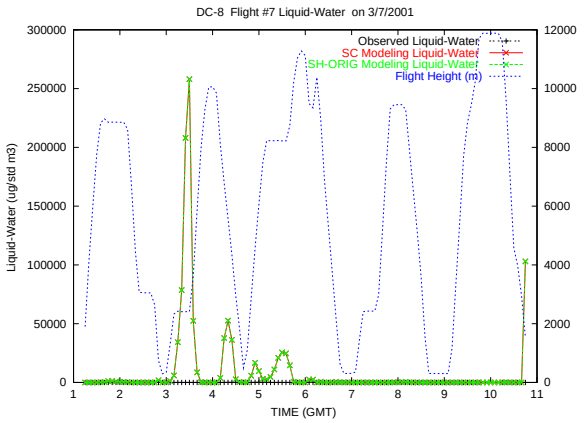

DC-8 Flight #6 J[HCHO->H2+CO] on 3/3/2001
Observed J[HCHO->H2+CO]
SC Modeling J[HCHO->H2+CO]
SH-ORIG Modeling J[HCHO->H2+CO]
Flight Height (m)
J[HCHO->H2+CO] (1/s)
Altitude (m)
TIME (GMT)

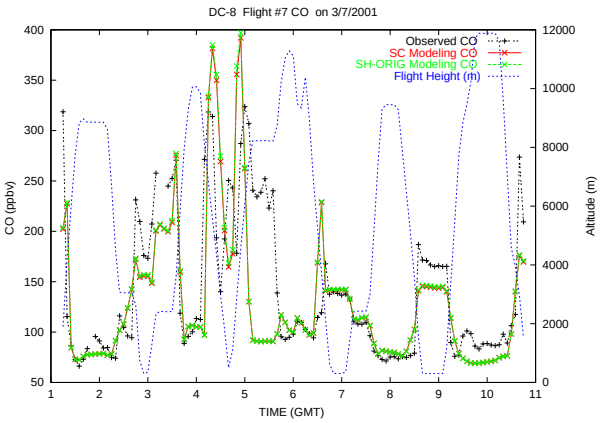

DC-8 Flight #6 J[CH3CHO->CH3+HCO] on 3/3/2001
Observed J[CH3CHO->CH3+HCO]
SC Modeling J[CH3CHO->CH3+HCO]
SH-ORIG Modeling J[CH3CHO->CH3+HCO]
Flight Height (m)
J[CH3CHO->CH3+HCO] (1/s)
Altitude (m)
TIME (GMT)

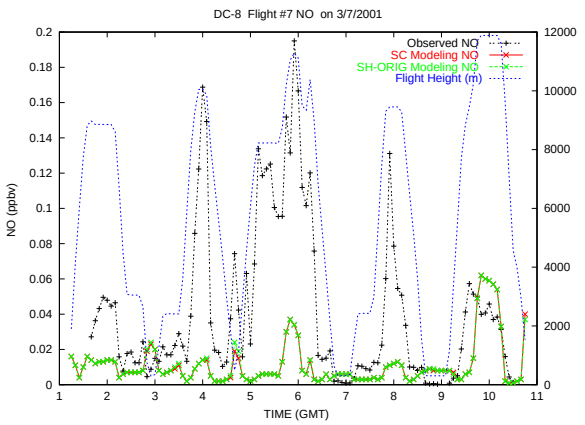

DC-8 Flight #6 J-Acetone on 3/3/2001
Observed J-Acetone
SC Modeling J-Acetone
SH-ORIG Modeling J-Acetone
Flight Height (m)
J-Acetone (1/s)
Altitude (m)
TIME (GMT)

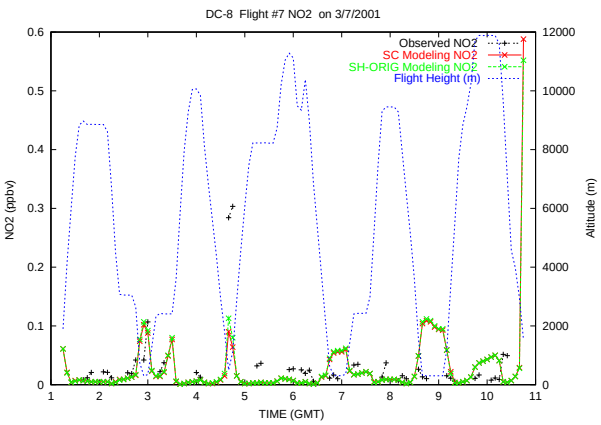

DC-8 Flight #7 O3 on 3/7/2001
Observed O3
SC Modeling O3
SH-ORIG Modeling O3
Flight Height (m)
O3 (ppbv)
Altitude (m)
TIME (GMT)

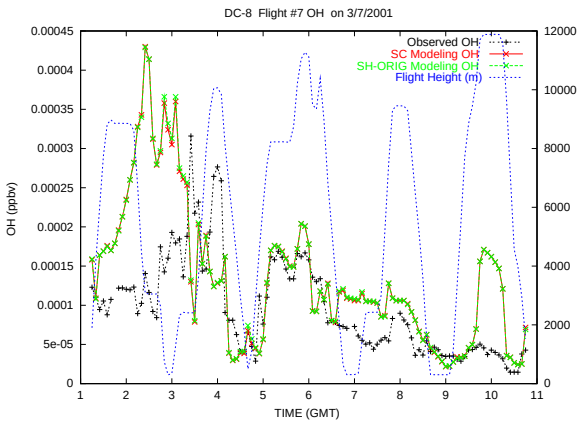
DC-8 Flight #7 H2O on 3/7/2001
Observed H2O
SC Modeling H2O
SH-ORIG Modeling H2O
Flight Height (m)
H2O (ppbv)
Altitude (m)
TIME (GMT)

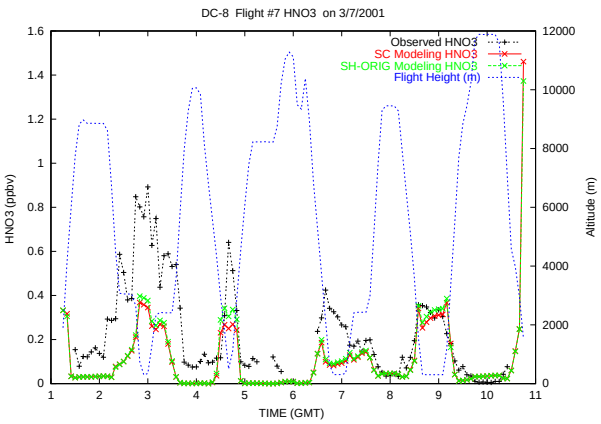

DC-8 Flight #7 Liquid-Water on 3/7/2001
Observed Liquid-Water
SC Modeling Liquid-Water
SH-ORIG Modeling Liquid-Water
Flight Height (m)
Liquid-Water (ug/std m3)
Altitude (m)
TIME (GMT)

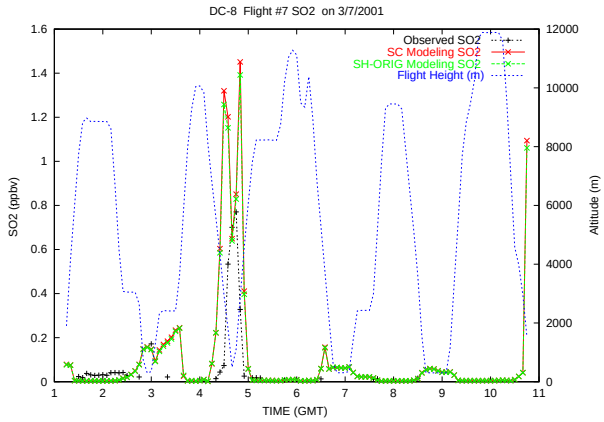

DC-8 Flight #7 CO on 3/7/2001
Observed CO
SC Modeling CO
SH-ORIG Modeling CO
Flight Height (m)
CO (ppbv)
Altitude (m)
TIME (GMT)

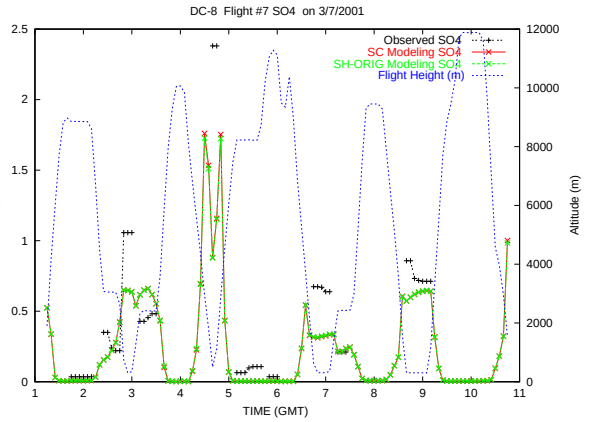

DC-8 Flight #7 NO on 3/7/2001
Observed NO
SC Modeling NO
SH-ORIG Modeling NO
Flight Height (m)
NO (ppbv)
Altitude (m)
TIME (GMT)

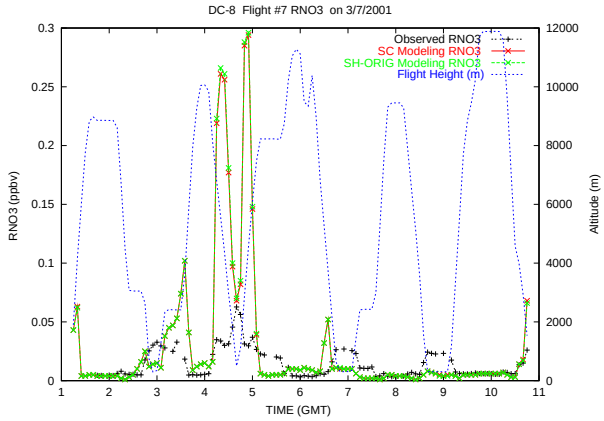

DC-8 Flight #7 NO2 on 3/7/2001
Observed NO2
SC Modeling NO2
SH-ORIG Modeling NO2
Flight Height (m)
NO2 (ppbv)
Altitude (m)
TIME (GMT)

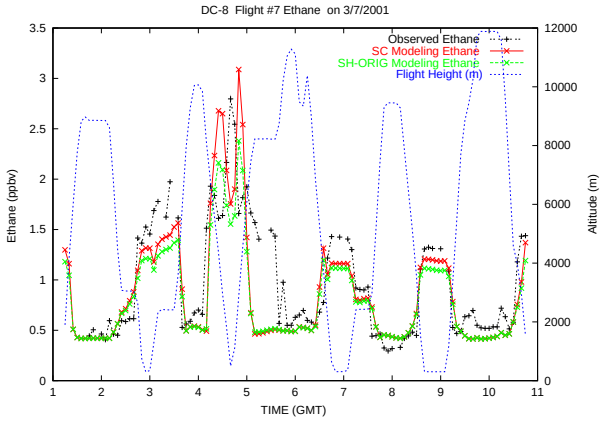

DC-8 Flight #7 OH on 3/7/2001
Observed OH
SC Modeling OH
SH-ORIG Modeling OH
Flight Height (m)
OH (pptv)
Altitude (m)
TIME (GMT)

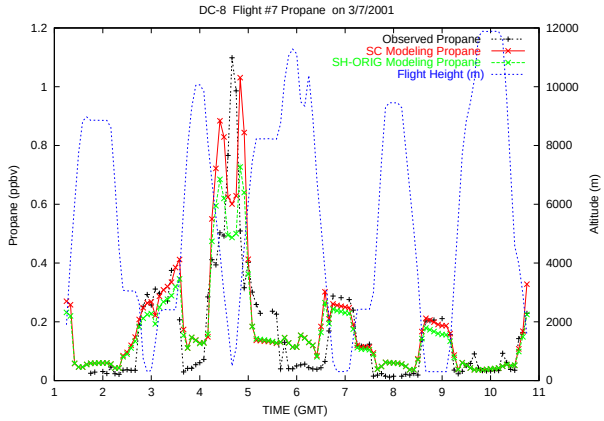

DC-8 Flight #7 HNO3 on 3/7/2001
Observed HNO3
SC Modeling HNO3
SH-ORIG Modeling HNO3
Flight Height (m)
HNO3 (ppbv)
Altitude (m)
TIME (GMT)

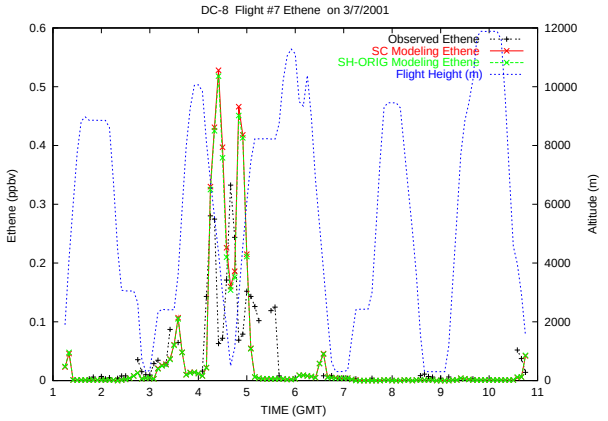

DC-8 Flight #7 SO2 on 3/7/2001
Observed SO2
SC Modeling SO2
SH-ORIG Modeling SO2
Flight Height (m)
SO2 (ppbv)
Altitude (m)
TIME (GMT)

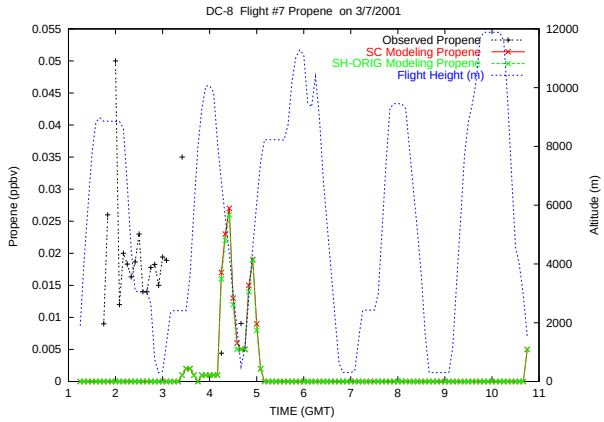

DC-8 Flight #7 SO4 on 3/7/2001
Observed SO4
SC Modeling SO4
SH-ORIG Modeling SO4
Flight Height (m)
SO4 (ppbv)
Altitude (m)
TIME (GMT)

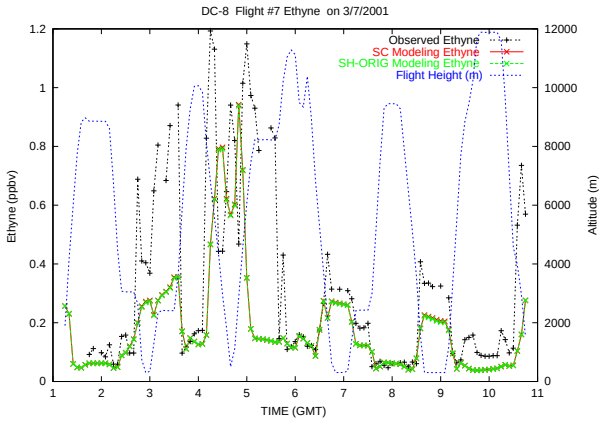

DC-8 Flight #7 RNO3 on 3/7/2001
Observed RNO3
SC Modeling RNO3
SH-ORIG Modeling RNO3
Flight Height (m)
RNO3 (ppbv)
Altitude (m)
TIME (GMT)

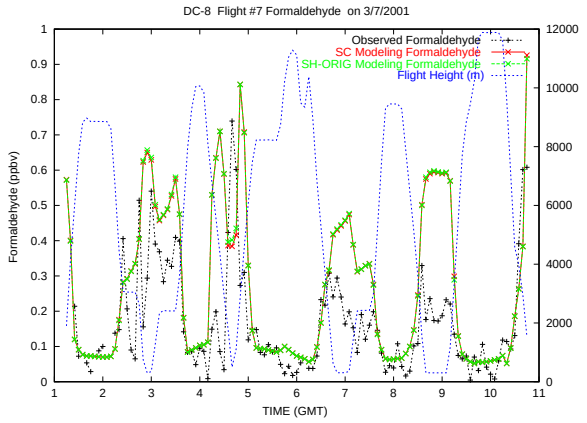

DC-8 Flight #7 Ethane on 3/7/2001
Observed Ethane
SC Modeling Ethane
SH-ORIG Modeling Ethane
Flight Height (m)
Ethane (ppbv)
Altitude (m)
TIME (GMT)

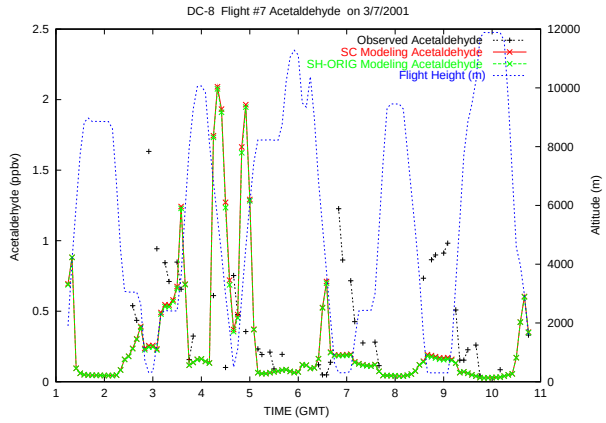

DC-8 Flight #7 Propane on 3/7/2001
Observed Propane
SC Modeling Propane
SH-ORIG Modeling Propane
Flight Height (m)
Propane (ppbv)
Altitude (m)
TIME (GMT)

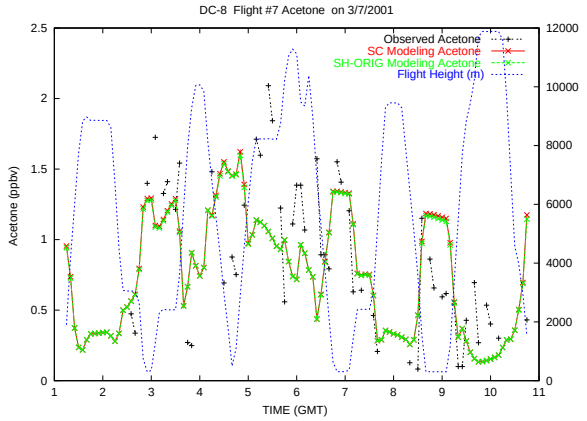

DC-8 Flight #7 Ethene on 3/7/2001
Observed Ethene
SC Modeling Ethene
SH-ORIG Modeling Ethene
Flight Height (m)
Ethene (ppbv)
Altitude (m)
TIME (GMT)

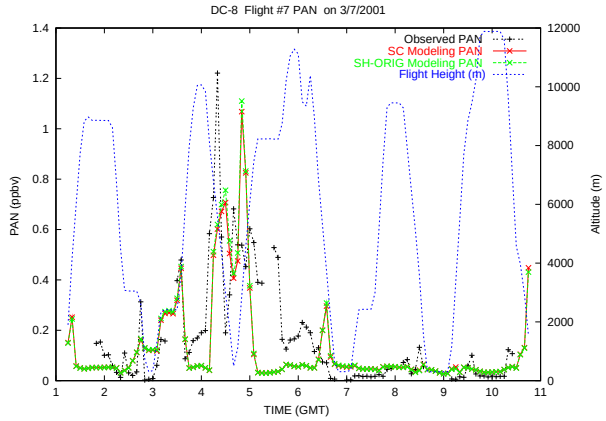

DC-8 Flight #7 Propene on 3/7/2001
Observed Propene
SC Modeling Propene
SH-ORIG Modeling Propene
Flight Height (m)
Propene (ppbv)
Altitude (m)
TIME (GMT)

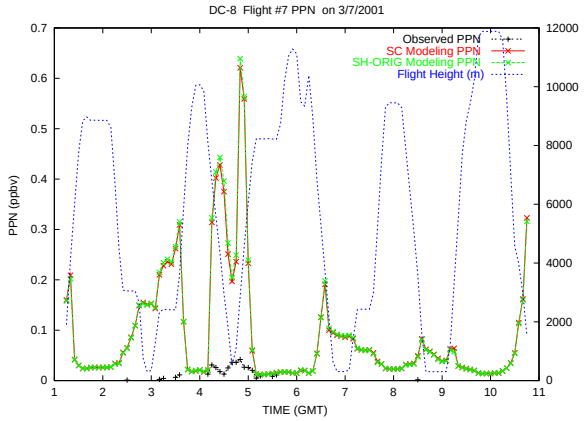

DC-8 Flight #7 Ethyne on 3/7/2001
Observed Ethyne
SC Modeling Ethyne
SH-ORIG Modeling Ethyne
Flight Height (m)
Ethyne (ppbv)
Altitude (m)
TIME (GMT)

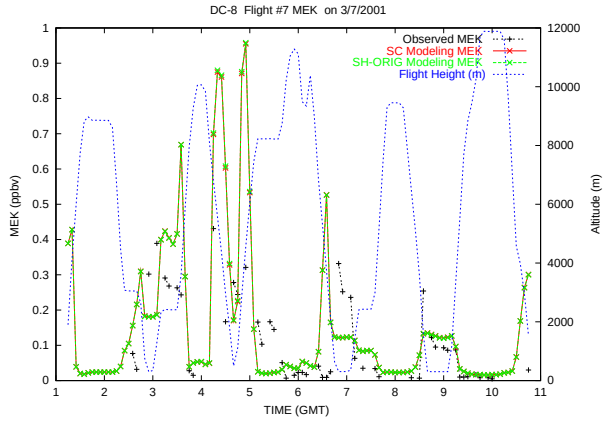

DC-8 Flight #7 Formaldehyde on 3/7/2001
Observed Formaldehyde
SC Modeling Formaldehyde
SH-ORIG Modeling Formaldehyde
Flight Height (m)
Formaldehyde (ppbv)
Altitude (m)
TIME (GMT)

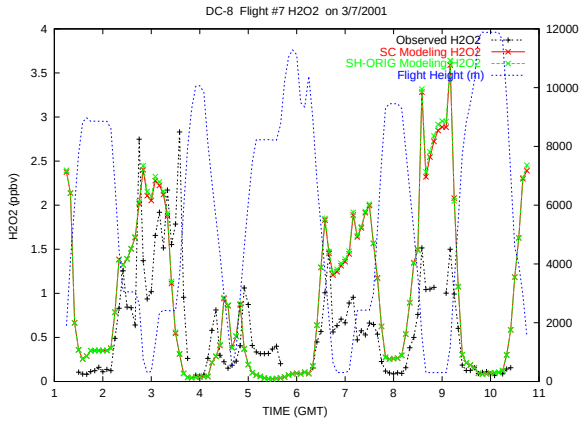

DC-8 Flight #7 Acetaldehyde on 3/7/2001
Observed Acetaldehyde
SC Modeling Acetaldehyde
SH-ORIG Modeling Acetaldehyde
Flight Height (m)
Acetaldehyde (ppbv)
Altitude (m)
TIME (GMT)

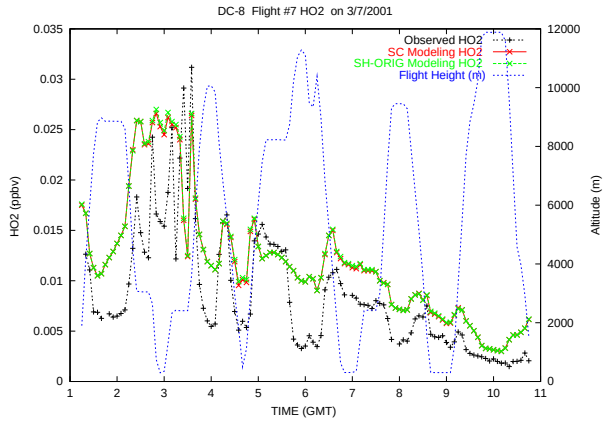

DC-8 Flight #7 Acetone on 3/7/2001
Observed Acetone
SC Modeling Acetone
SH-ORIG Modeling Acetone
Flight Height (m)
Acetone (ppbv)
Altitude (m)
TIME (GMT)

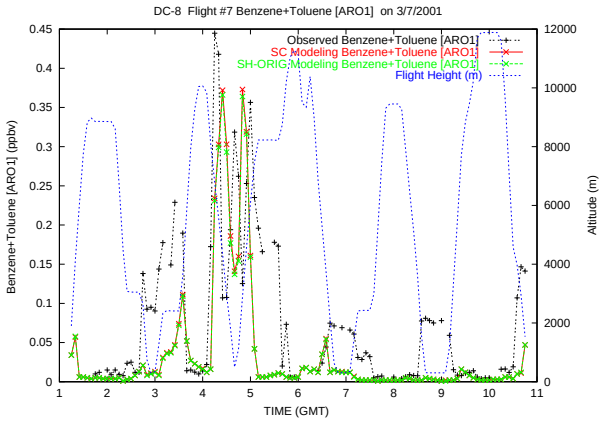

DC-8 Flight #7 PAN on 3/7/2001
Observed PAN
SC Modeling PAN
SH-ORIG Modeling PAN
Flight Height (m)
PAN (ppbv)
Altitude (m)
TIME (GMT)

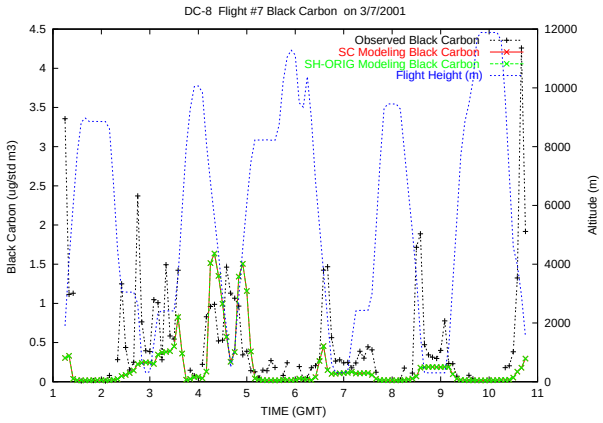

DC-8 Flight #7 PPN on 3/7/2001
Observed PPN
SC Modeling PPN
SH-ORIG Modeling PPN
Flight Height (m)
PPN (ppbv)
Altitude (m)
TIME (GMT)

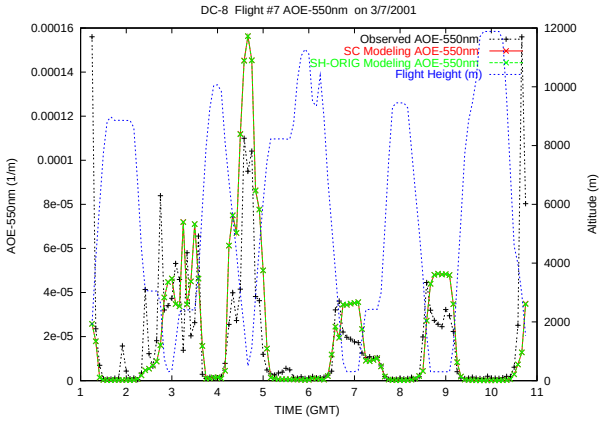

DC-8 Flight #7 MEK on 3/7/2001
Observed MEK
SC Modeling MEK
SH-ORIG Modeling MEK
Flight Height (m)
MEK (ppbv)
Altitude (m)
TIME (GMT)

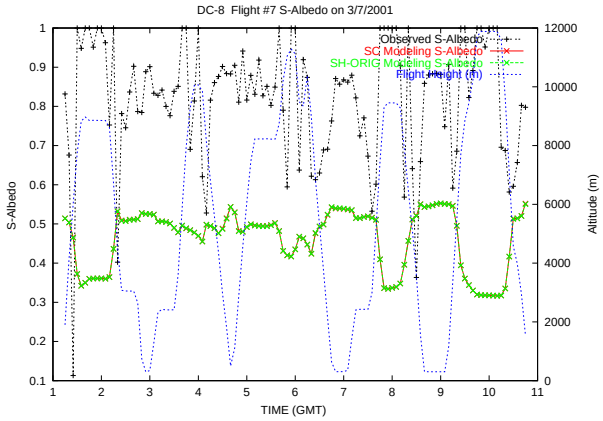

DC-8 Flight #7 H2O2 on 3/7/2001
Observed H2O2
SC Modeling H2O2
SH-ORIG Modeling H2O2
Flight Height (m)
H2O2 (ppbv)
Altitude (m)
TIME (GMT)

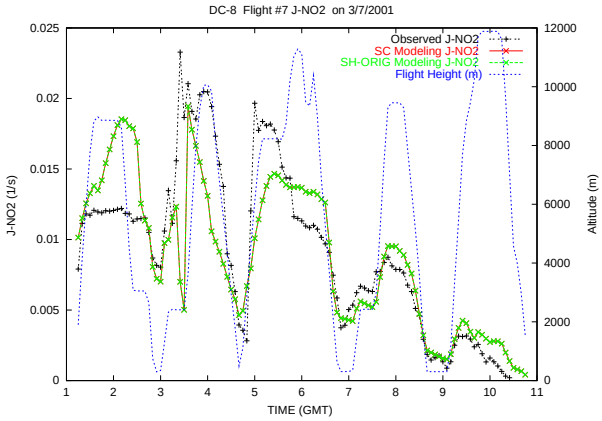

DC-8 Flight #7 HO2 on 3/7/2001
Observed HO2
SC Modeling HO2
SH-ORIG Modeling HO2
Flight Height (m)
HO2 (ppbv)
Altitude (m)
TIME (GMT)

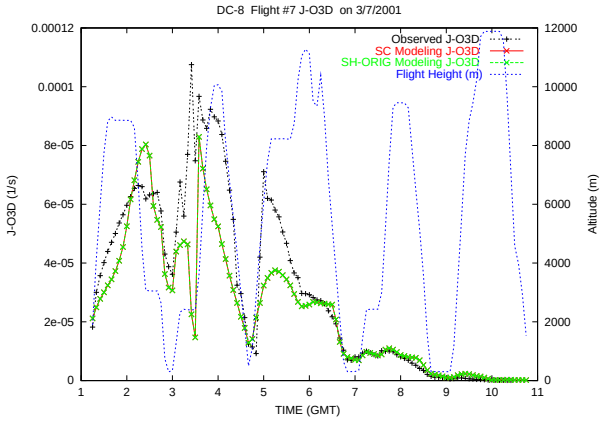

DC-8 Flight #7 Benzene+Toluene [ARO1] on 3/7/2001
Observed Benzene+Toluene [ARO1]
SC Modeling Benzene+Toluene [ARO1]
SH-ORIG Modeling Benzene+Toluene [ARO1]
Flight Height (m)
Benzene+Toluene [ARO1] (pptv)
Altitude (m)
TIME (GMT)

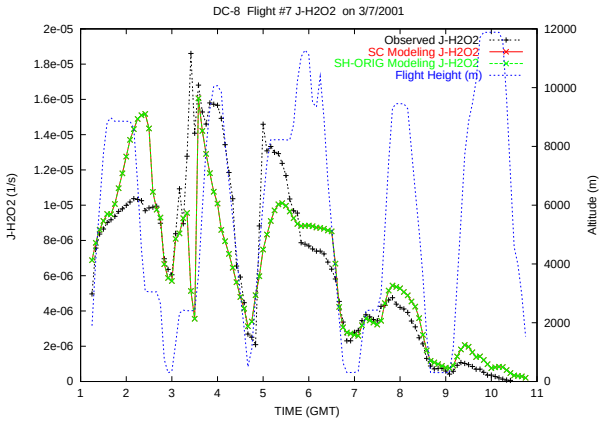

DC-8 Flight #7 Black Carbon on 3/7/2001
Observed Black Carbon
SC Modeling Black Carbon
SH-ORIG Modeling Black Carbon
Flight Height (m)
Black Carbon (ug/std m3)
Altitude (m)
TIME (GMT)

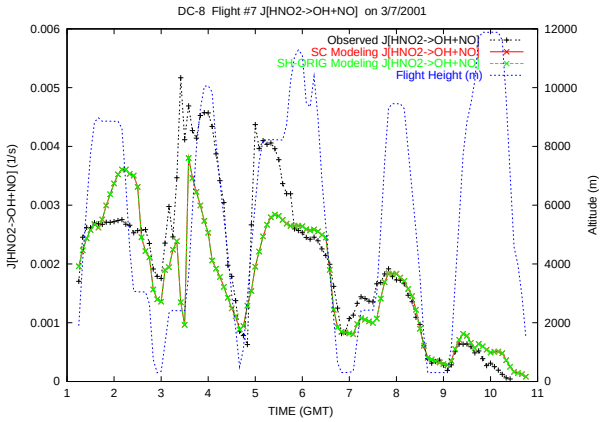

DC-8 Flight #7 AOE-550nm on 3/7/2001
Observed AOE-550nm
SC Modeling AOE-550nm
SH-ORIG Modeling AOE-550nm
Flight Height (m)
AOE-550nm (1/m)
Altitude (m)
TIME (GMT)

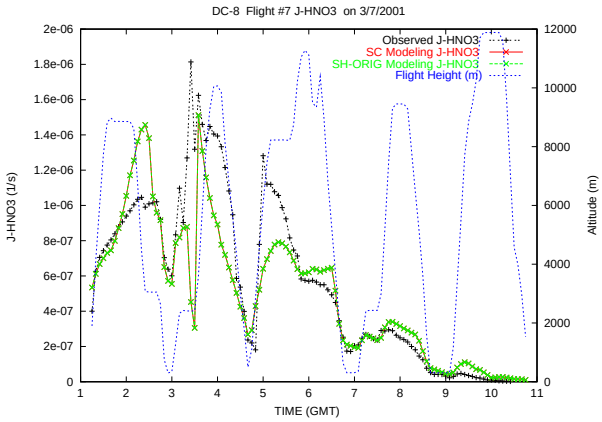

DC-8 Flight #7 S-Albedo on 3/7/2001
Observed S-Albedo
SC Modeling S-Albedo
SH-ORIG Modeling S-Albedo
Flight Height (m)
S-Albedo
Altitude (m)
TIME (GMT)

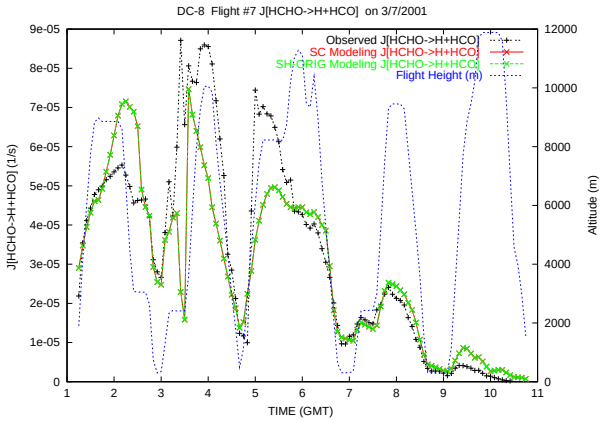

DC-8 Flight #7 J-NO2 on 3/7/2001
Observed J-NO2
SC Modeling J-NO2
SH-ORIG Modeling J-NO2
Flight Height (m)
J-NO2 (1/s)
Altitude (m)
TIME (GMT)

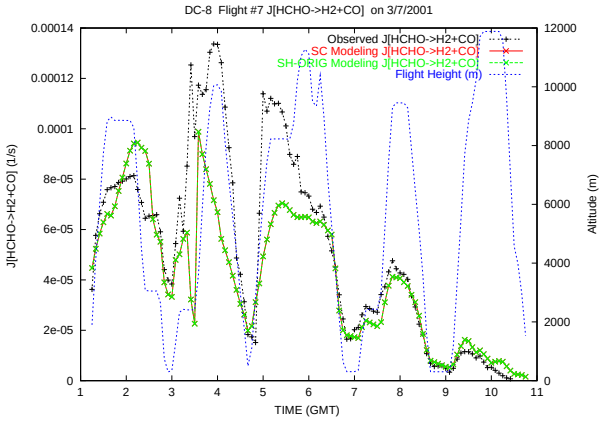

DC-8 Flight #7 J-O3D on 3/7/2001
Observed J-O3D
SC Modeling J-O3D
SH-ORIG Modeling J-O3D
Flight Height (m)
J-O3D (1/s)
Altitude (m)
TIME (GMT)

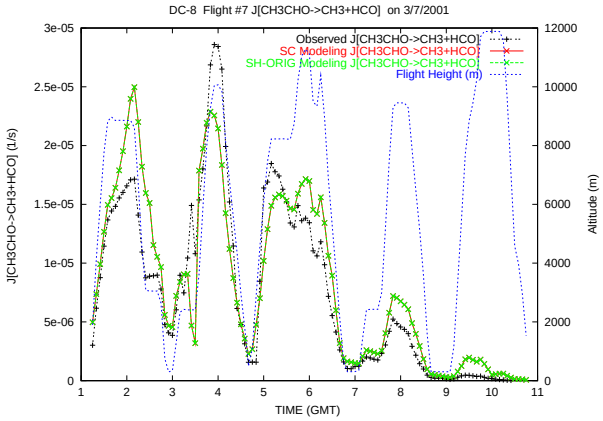

DC-8 Flight #7 J-H2O2 on 3/7/2001
Observed J-H2O2
SC Modeling J-H2O2
SH-ORIG Modeling J-H2O2
Flight Height (m)
J-H2O2 (1/s)
Altitude (m)
TIME (GMT)

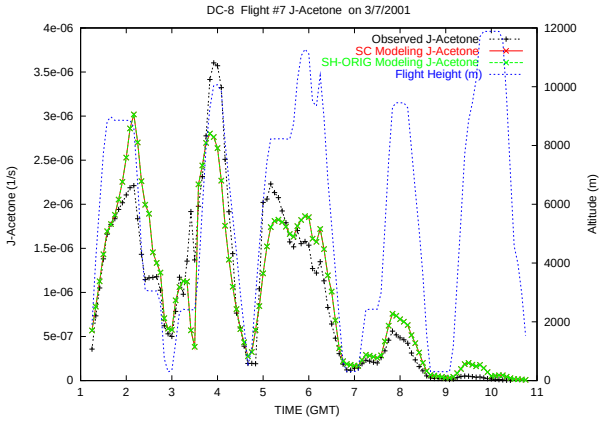

DC-8 Flight #7 J[HNO2->OH+NO] on 3/7/2001
Observed J[HNO2->OH+NO]
SC Modeling J[HNO2->OH+NO]
SH-ORIG Modeling J[HNO2->OH+NO]
Flight Height (m)
J[HNO2->OH+NO] (1/s)
Altitude (m)
TIME (GMT)

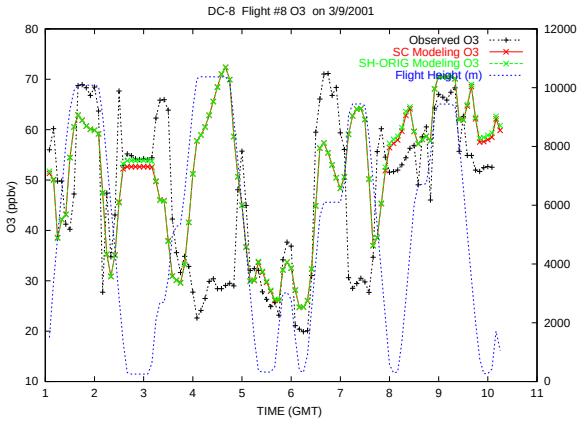

DC-8 Flight #7 J-HNO3 on 3/7/2001
Observed J-HNO3
SC Modeling J-HNO3
SH-ORIG Modeling J-HNO3
Flight Height (m)
J-HNO3 (1/s)
Altitude (m)
TIME (GMT)

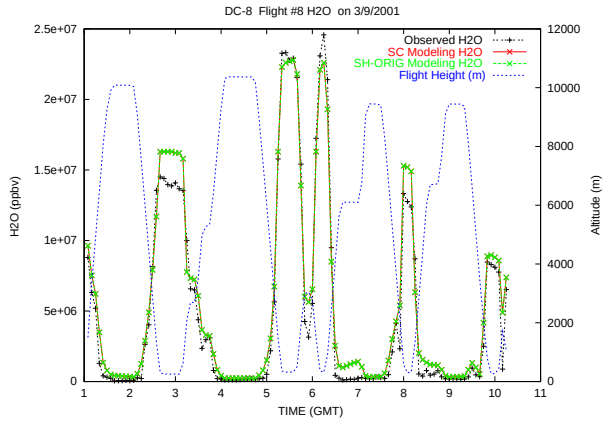

DC-8 Flight #7 J[HCHO->H+HCO] on 3/7/2001
Observed J[HCHO->H+HCO]
SC Modeling J[HCHO->H+HCO]
SH-ORIG Modeling J[HCHO->H+HCO]
Flight Height (m)
J[HCHO->H+HCO] (1/s)
Altitude (m)
TIME (GMT)

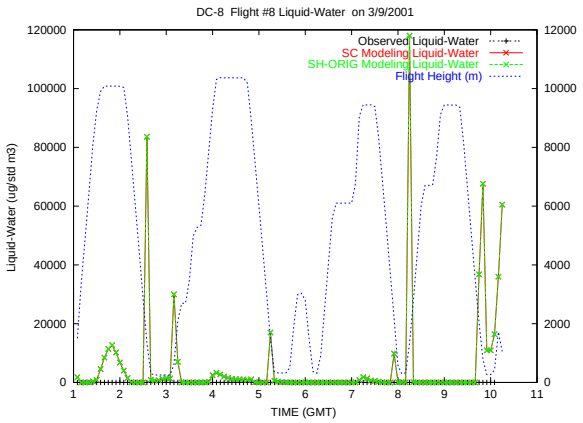

DC-8 Flight #7 J[HCHO->H2+CO] on 3/7/2001
Observed J[HCHO->H2+CO]
SC Modeling J[HCHO->H2+CO]
SH-ORIG Modeling J[HCHO->H2+CO]
Flight Height (m)
J[HCHO->H2+CO] (1/s)
Altitude (m)
TIME (GMT)

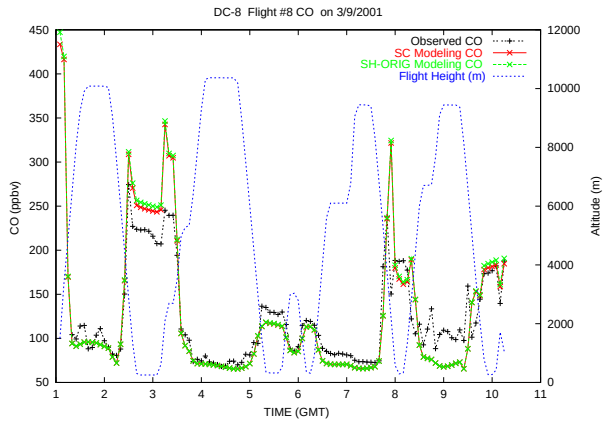

DC-8 Flight #7 J[CH3CHO->CH3+HCO] on 3/7/2001
Observed J[CH3CHO->CH3+HCO]
SC Modeling J[CH3CHO->CH3+HCO]
SH-ORIG Modeling J[CH3CHO->CH3+HCO]
Flight Height (m)
J[CH3CHO->CH3+HCO] (1/s)
Altitude (m)
TIME (GMT)

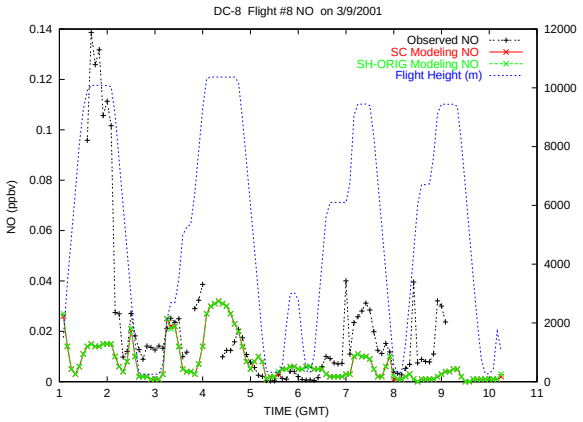

DC-8 Flight #7 J-Acetone on 3/7/2001
Observed J-Acetone
SC Modeling J-Acetone
SH-ORIG Modeling J-Acetone
Flight Height (m)
J-Acetone (1/s)
Altitude (m)
TIME (GMT)

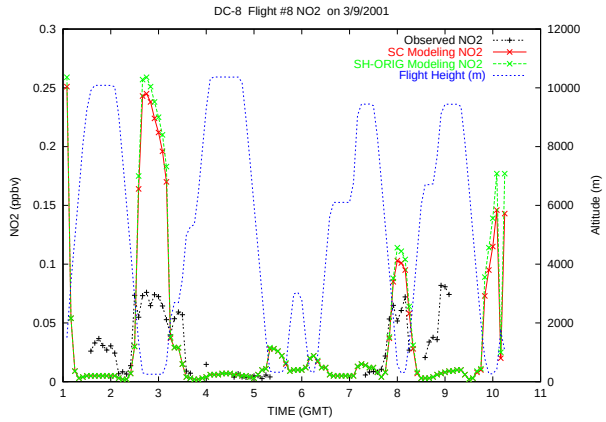

DC-8 Flight #8 O3 on 3/9/2001
Observed O3
SC Modeling O3
SH-ORIG Modeling O3
Flight Height (m)
O3 (ppbv)
Altitude (m)
TIME (GMT)

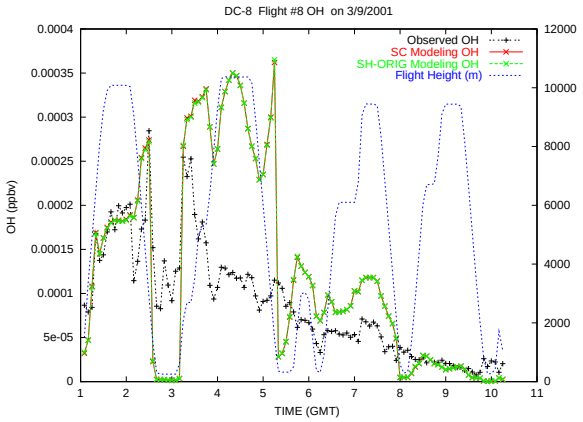

DC-8 Flight #8 H2O on 3/9/2001
Observed H2O
SC Modeling H2O
SH-ORIG Modeling H2O
Flight Height (m)
H2O (ppbv)
Altitude (m)
TIME (GMT)

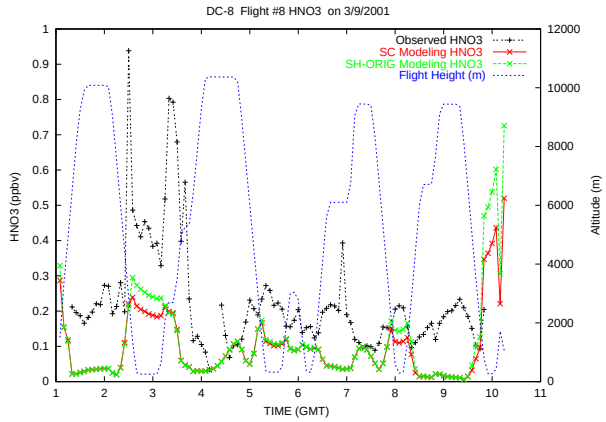

DC-8 Flight #8 Liquid-Water on 3/9/2001
Observed Liquid-Water
SC Modeling Liquid-Water
SH-ORIG Modeling Liquid-Water
Flight Height (m)
Liquid-Water (ug/std m3)
Altitude (m)
TIME (GMT)

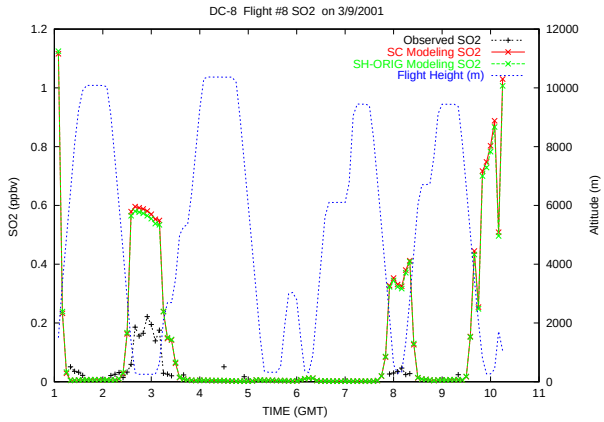

DC-8 Flight #8 CO on 3/9/2001
Observed CO
SC Modeling CO
SH-ORIG Modeling CO
Flight Height (m)
CO (ppbv)
Altitude (m)
TIME (GMT)

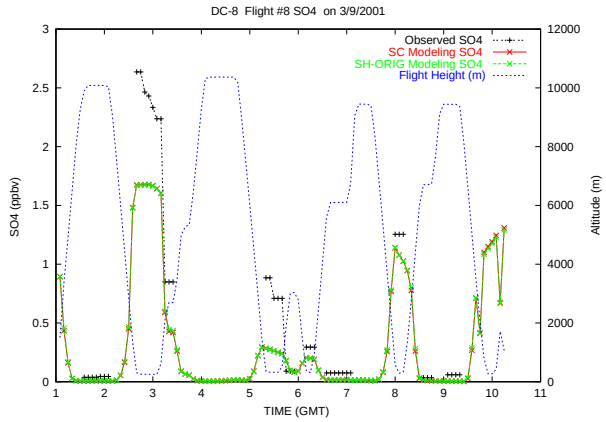

DC-8 Flight #8 NO on 3/9/2001
Observed NO
SC Modeling NO
SH-ORIG Modeling NO
Flight Height (m)
NO (ppbv)
Altitude (m)
TIME (GMT)

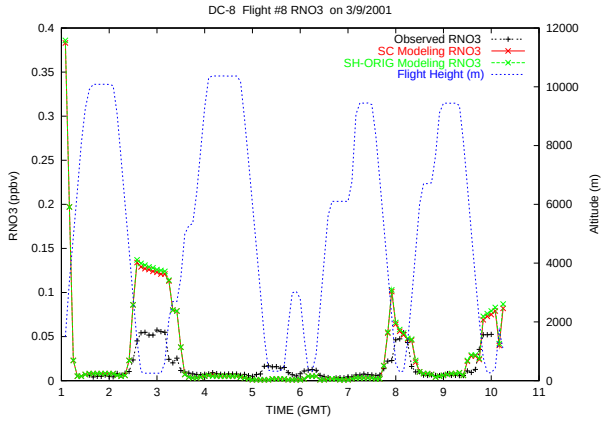

DC-8 Flight #8 NO2 on 3/9/2001
Observed NO2
SC Modeling NO2
SH-ORIG Modeling NO2
Flight Height (m)
NO2 (ppbv)
Altitude (m)
TIME (GMT)

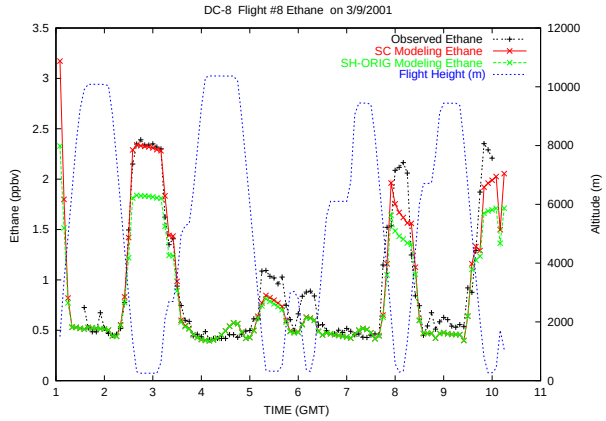

DC-8 Flight #8 OH on 3/9/2001
Observed OH
SC Modeling OH
SH-ORIG Modeling OH
Flight Height (m)
OH (pptbv)
Altitude (m)
TIME (GMT)

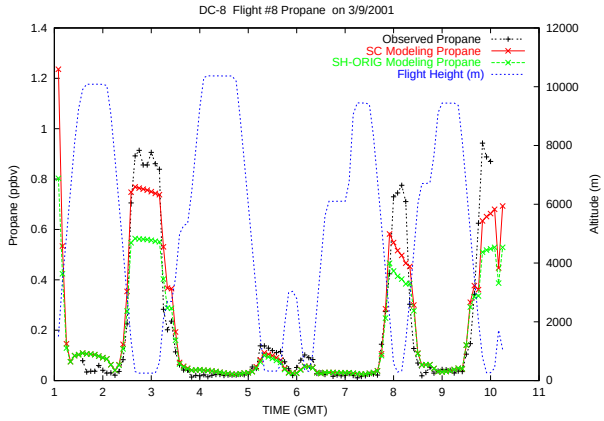

DC-8 Flight #8 HNO3 on 3/9/2001
Observed HNO3
SC Modeling HNO3
SH-ORIG Modeling HNO3
Flight Height (m)
HNO3 (ppbv)
Altitude (m)
TIME (GMT)

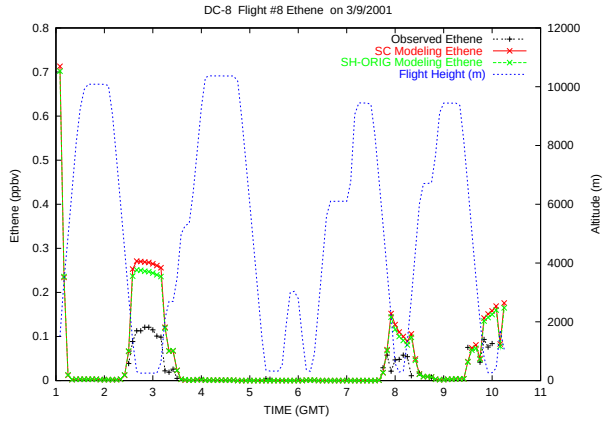

DC-8 Flight #8 SO2 on 3/9/2001
Observed SO2
SC Modeling SO2
SH-ORIG Modeling SO2
Flight Height (m)
SO2 (ppbv)
Altitude (m)
TIME (GMT)

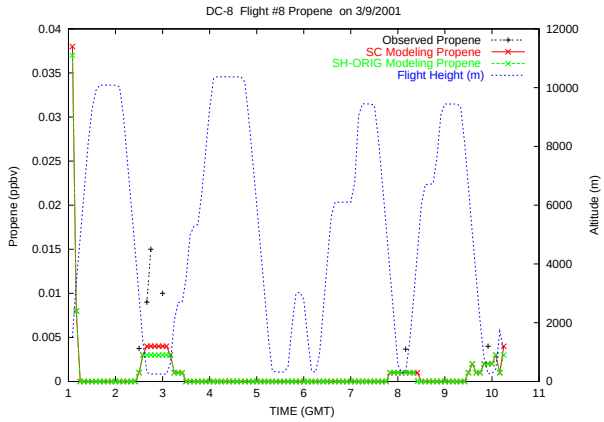

DC-8 Flight #8 SO4 on 3/9/2001
Observed SO4
SC Modeling SO4
SH-ORIG Modeling SO4
Flight Height (m)
SO4 (ppbv)
Altitude (m)
TIME (GMT)

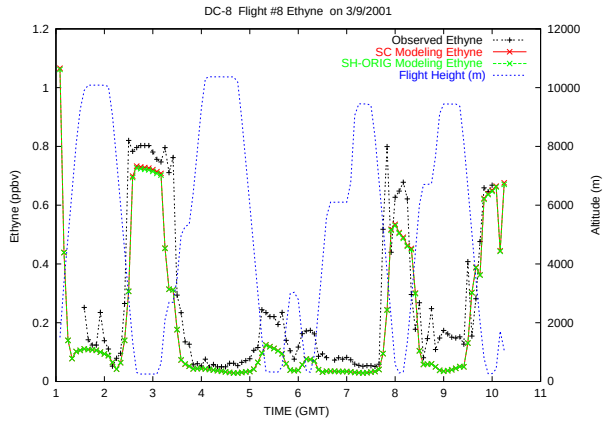

DC-8 Flight #8 RNO3 on 3/9/2001
Observed RNO3
SC Modeling RNO3
SH-ORIG Modeling RNO3
Flight Height (m)
RNO3 (ppbv)
Altitude (m)
TIME (GMT)

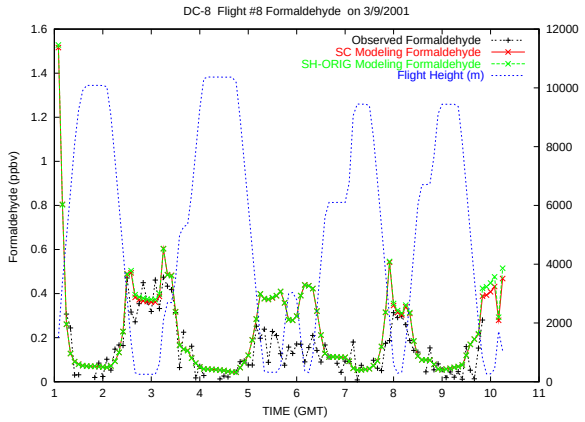

DC-8 Flight #8 Ethane on 3/9/2001
Observed Ethane
SC Modeling Ethane
SH-ORIG Modeling Ethane
Flight Height (m)
Ethane (ppbv)
Altitude (m)
TIME (GMT)

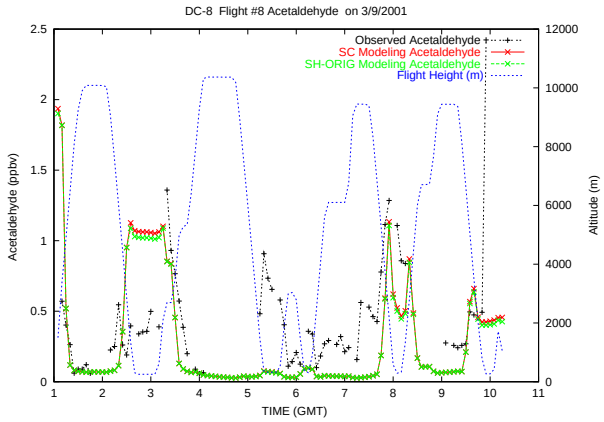

DC-8 Flight #8 Propane on 3/9/2001
Observed Propane
SC Modeling Propane
SH-ORIG Modeling Propane
Flight Height (m)
Propane (ppbv)
Altitude (m)
TIME (GMT)

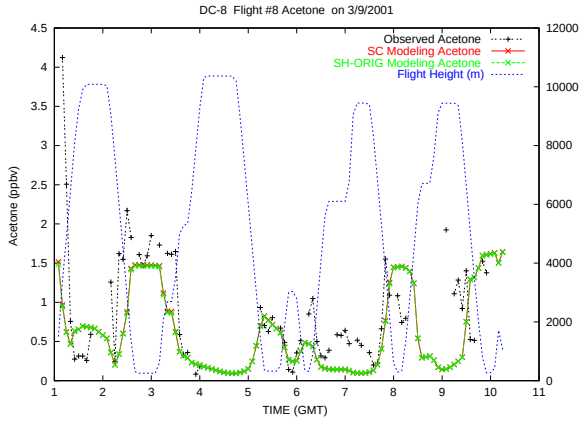

DC-8 Flight #8 Ethene on 3/9/2001
Observed Ethene
SC Modeling Ethene
SH-ORIG Modeling Ethene
Flight Height (m)
Ethene (ppbv)
Altitude (m)
TIME (GMT)

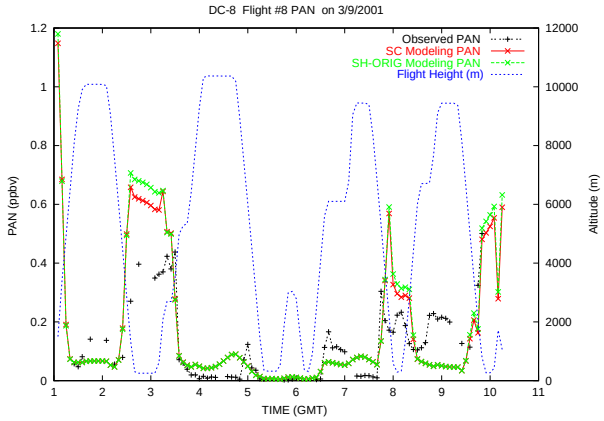

DC-8 Flight #8 Propene on 3/9/2001
Observed Propene
SC Modeling Propene
SH-ORIG Modeling Propene
Flight Height (m)
Propene (ppbv)
Altitude (m)
TIME (GMT)

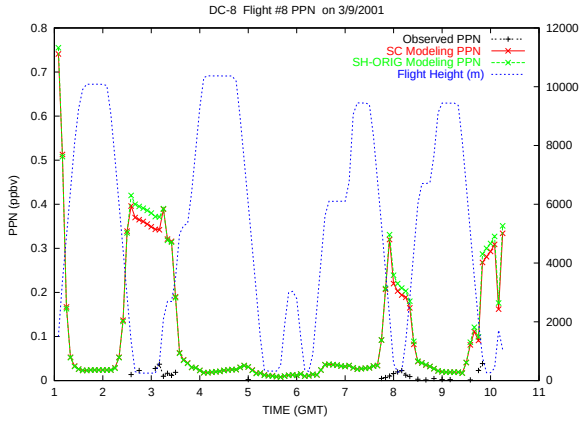

DC-8 Flight #8 Ethyne on 3/9/2001
Observed Ethyne
SC Modeling Ethyne
SH-ORIG Modeling Ethyne
Flight Height (m)
Ethyne (ppbv)
Altitude (m)
TIME (GMT)

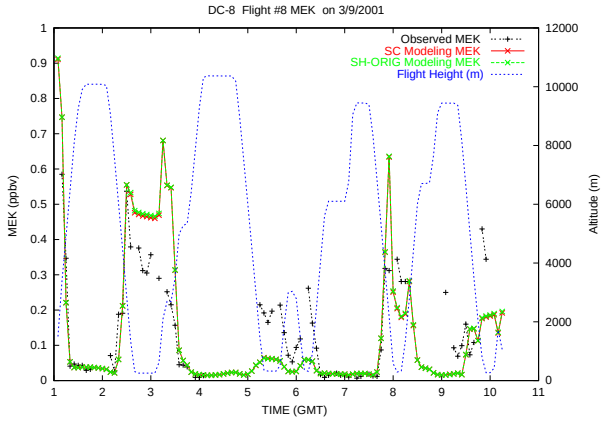

DC-8 Flight #8 Formaldehyde on 3/9/2001
Observed Formaldehyde
SC Modeling Formaldehyde
SH-ORIG Modeling Formaldehyde
Flight Height (m)
Formaldehyde (ppbv)
Altitude (m)
TIME (GMT)

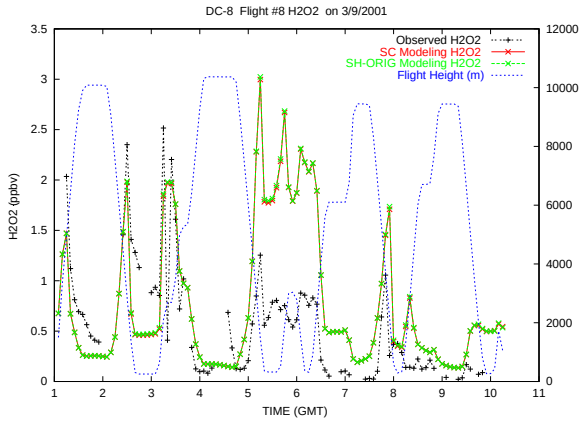

DC-8 Flight #8 Acetaldehyde on 3/9/2001
Observed Acetaldehyde
SC Modeling Acetaldehyde
SH-ORIG Modeling Acetaldehyde
Flight Height (m)
Acetaldehyde (ppbv)
Altitude (m)
TIME (GMT)

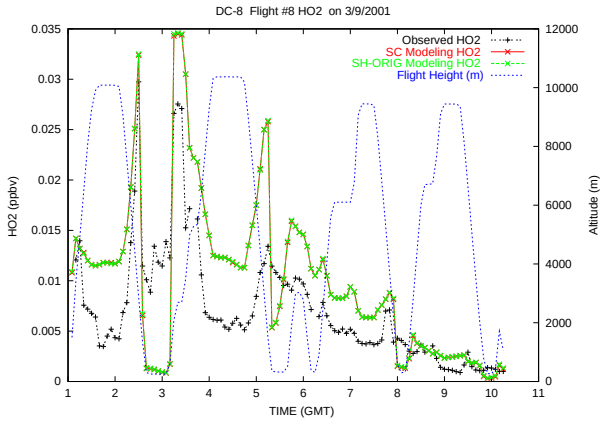

DC-8 Flight #8 Acetone on 3/9/2001
Observed Acetone
SC Modeling Acetone
SH-ORIG Modeling Acetone
Flight Height (m)
Acetone (ppbv)
Altitude (m)
TIME (GMT)

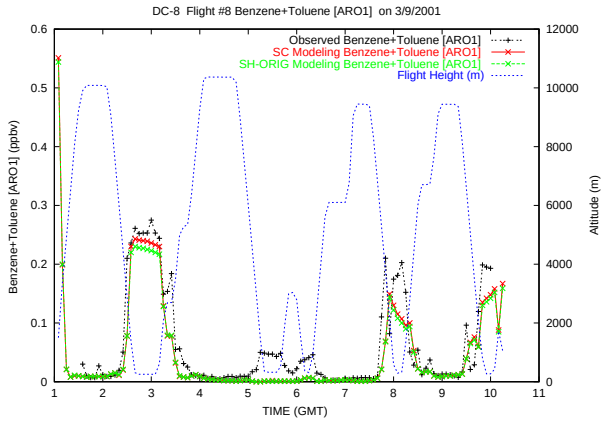

DC-8 Flight #8 PAN on 3/9/2001
Observed PAN
SC Modeling PAN
SH-ORIG Modeling PAN
Flight Height (m)
PAN (ppbv)
Altitude (m)
TIME (GMT)

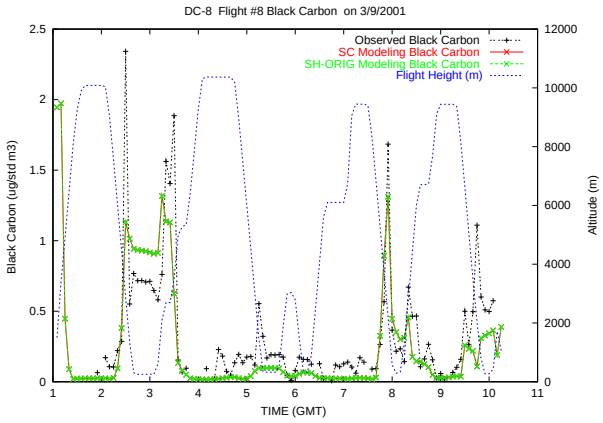

DC-8 Flight #8 PPN on 3/9/2001
Observed PPN
SC Modeling PPN
SH-ORIG Modeling PPN
Flight Height (m)
PPN (ppbv)
Altitude (m)
TIME (GMT)

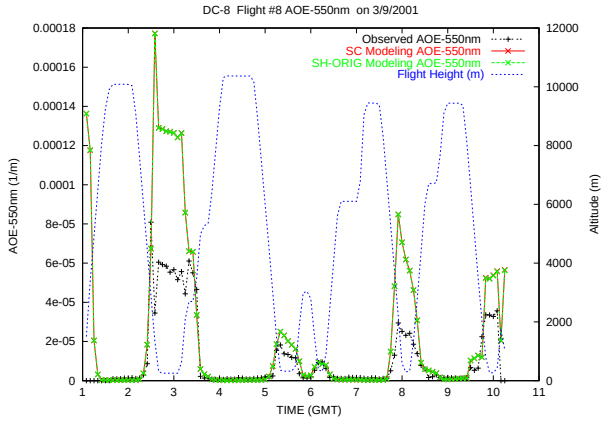

DC-8 Flight #8 MEK on 3/9/2001
Observed MEK
SC Modeling MEK
SH-ORIG Modeling MEK
Flight Height (m)
MEK (ppbv)
Altitude (m)
TIME (GMT)

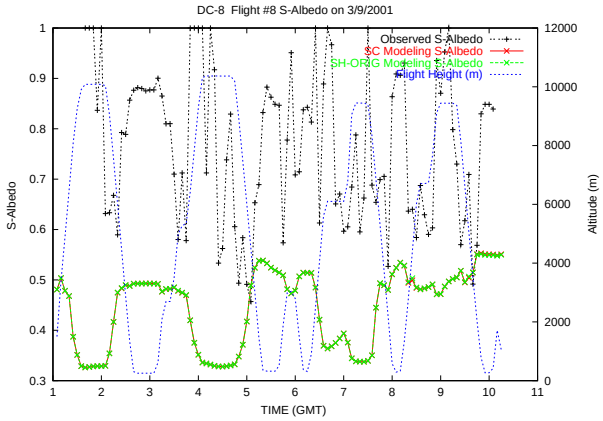

DC-8 Flight #8 H2O2 on 3/9/2001
Observed H2O2
SC Modeling H2O2
SH-ORIG Modeling H2O2
Flight Height (m)
H2O2 (ppbv)
Altitude (m)
TIME (GMT)

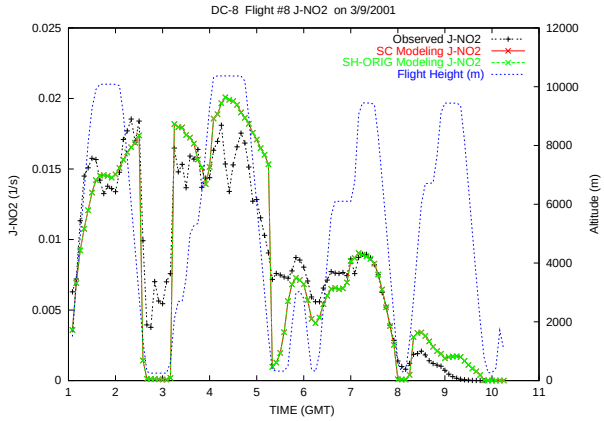

DC-8 Flight #8 HO2 on 3/9/2001
Observed HO2
SC Modeling HO2
SH-ORIG Modeling HO2
Flight Height (m)
HO2 (ppbv)
Altitude (m)
TIME (GMT)

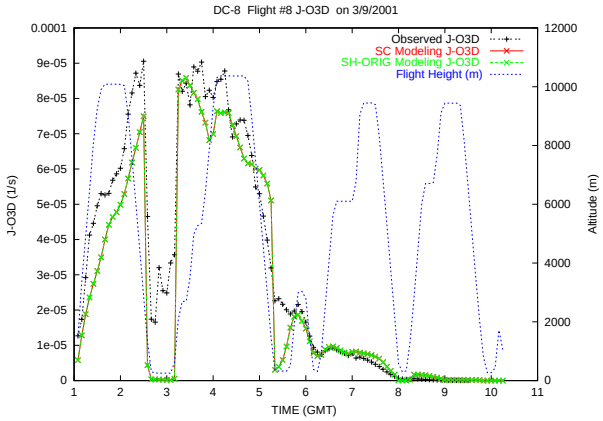

DC-8 Flight #8 Benzene+Toluene [ARO1] on 3/9/2001
Observed Benzene+Toluene [ARO1]
SC Modeling Benzene+Toluene [ARO1]
SH-ORIG Modeling Benzene+Toluene [ARO1]
Flight Height (m)
Benzene+Toluene [ARO1] (ppbv)
Altitude (m)
TIME (GMT)

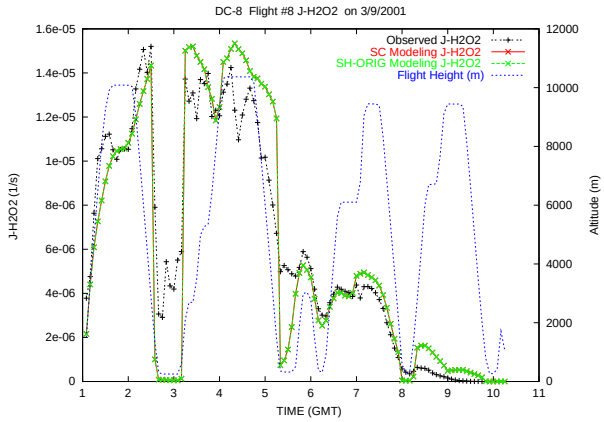

DC-8 Flight #8 Black Carbon on 3/9/2001
Observed Black Carbon
SC Modeling Black Carbon
SH-ORIG Modeling Black Carbon
Flight Height (m)
Black Carbon (ug/std m3)
Altitude (m)
TIME (GMT)

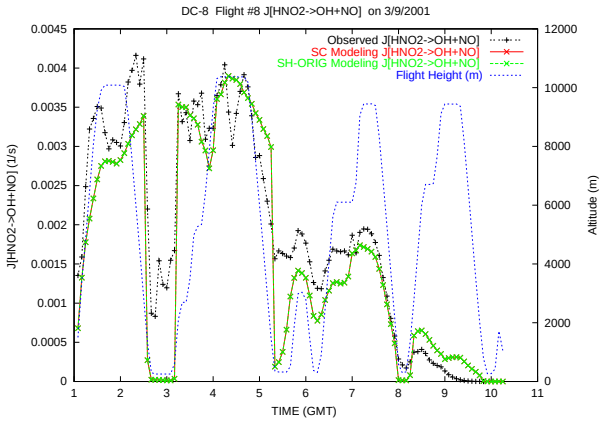

DC-8 Flight #8 AOE-550nm on 3/9/2001
Observed AOE-550nm
SC Modeling AOE-550nm
SH-ORIG Modeling AOE-550nm
Flight Height (m)
AOE-550nm (1/m)
Altitude (m)
TIME (GMT)

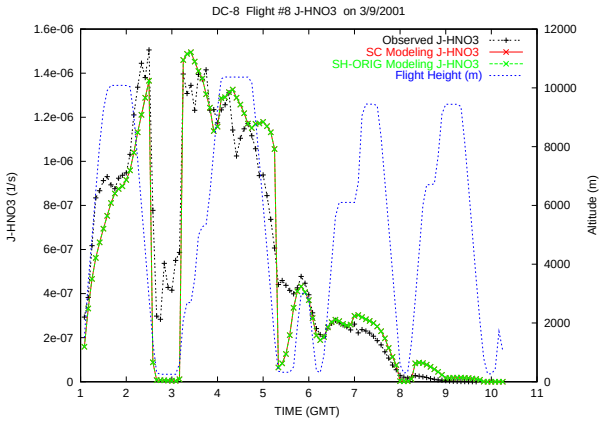

DC-8 Flight #8 S-Albedo on 3/9/2001
Observed S-Albedo
SC Modeling S-Albedo
SH-ORIG Modeling S-Albedo
Flight Height (m)
S-Albedo
Altitude (m)
TIME (GMT)

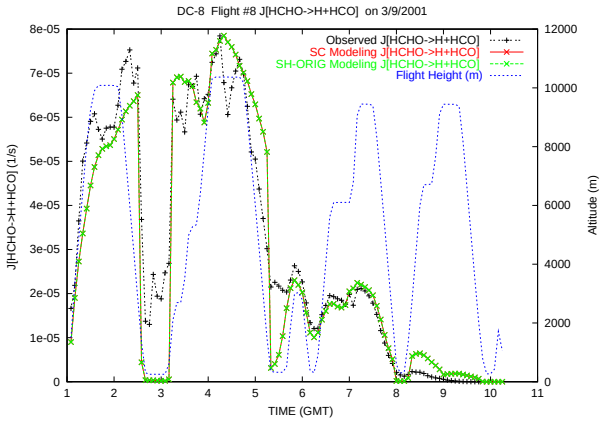

DC-8 Flight #8 J-NO2 on 3/9/2001
Observed J-NO2
SC Modeling J-NO2
SH-ORIG Modeling J-NO2
Flight Height (m)
J-NO2 (1/s)
Altitude (m)
TIME (GMT)

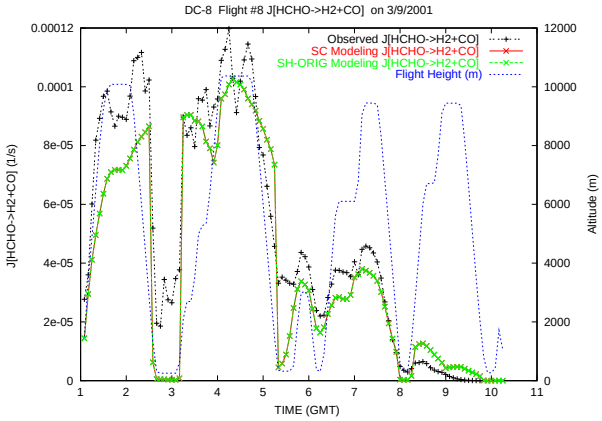

DC-8 Flight #8 J-O3D on 3/9/2001
Observed J-O3D
SC Modeling J-O3D
SH-ORIG Modeling J-O3D
Flight Height (m)
J-O3D (1/s)
Altitude (m)
TIME (GMT)

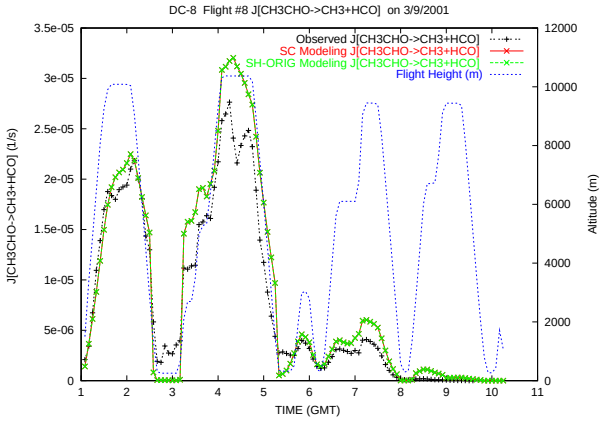

DC-8 Flight #8 J-H2O2 on 3/9/2001
Observed J-H2O2
SC Modeling J-H2O2
SH-ORIG Modeling J-H2O2
Flight Height (m)
J-H2O2 (1/s)
Altitude (m)
TIME (GMT)

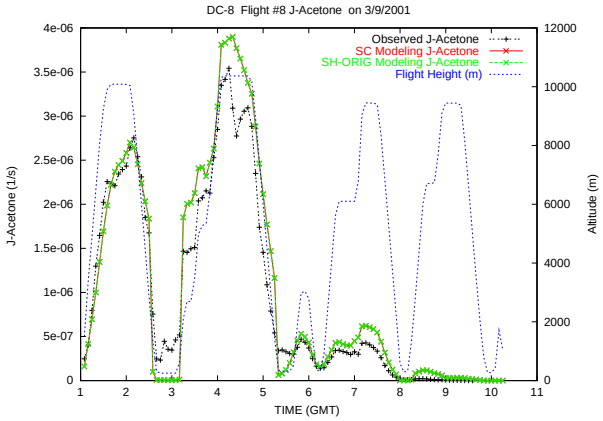

DC-8 Flight #8 J[HNO2->OH+NO] on 3/9/2001
Observed J[HNO2->OH+NO]
SC Modeling J[HNO2->OH+NO]
SH-ORIG Modeling J[HNO2->OH+NO]
Flight Height (m)
J[HNO2->OH+NO] (1/s)
Altitude (m)
TIME (GMT)

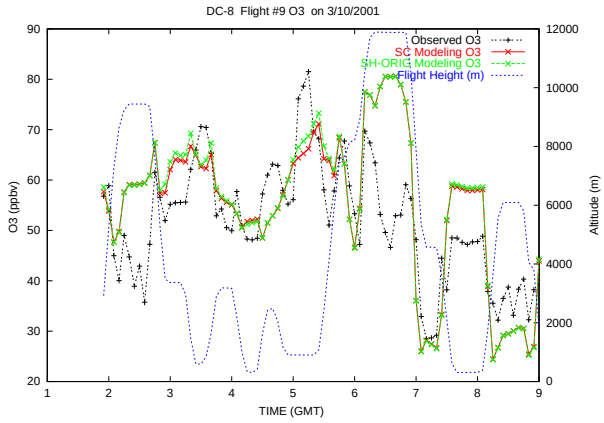

DC-8 Flight #8 J-HNO3 on 3/9/2001
Observed J-HNO3
SC Modeling J-HNO3
SH-ORIG Modeling J-HNO3
Flight Height (m)
J-HNO3 (1/s)
Altitude (m)
TIME (GMT)

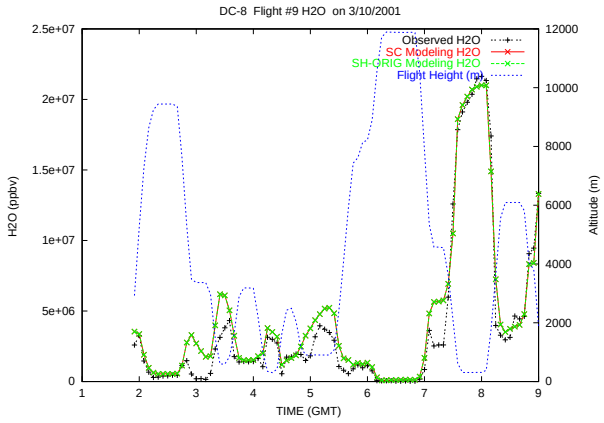

DC-8 Flight #8 J[HCHO->H+HCO] on 3/9/2001
Observed J[HCHO->H+HCO]
SC Modeling J[HCHO->H+HCO]
SH-ORIG Modeling J[HCHO->H+HCO]
Flight Height (m)
J[HCHO->H+HCO] (1/s)
Altitude (m)
TIME (GMT)

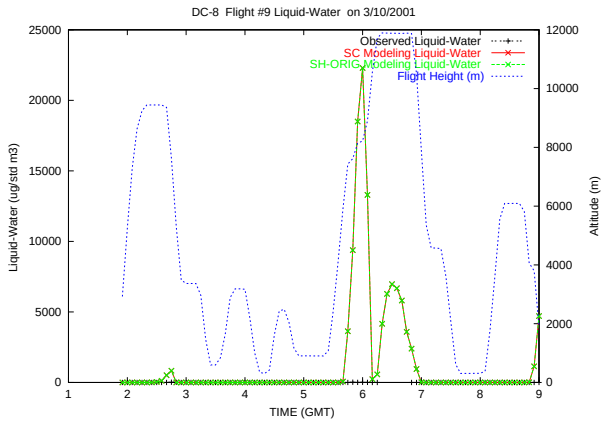

DC-8 Flight #8 J[HCHO->H2+CO] on 3/9/2001
Observed J[HCHO->H2+CO]
SC Modeling J[HCHO->H2+CO]
SH-ORIG Modeling J[HCHO->H2+CO]
Flight Height (m)
J[HCHO->H2+CO] (1/s)
Altitude (m)
TIME (GMT)

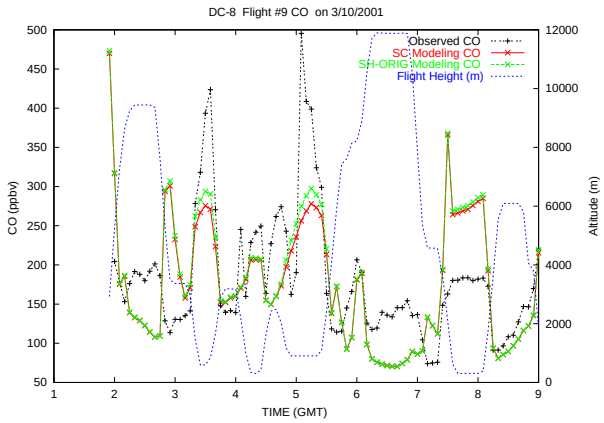

DC-8 Flight #8 J[CH3CHO->CH3+HCO] on 3/9/2001
Observed J[CH3CHO->CH3+HCO]
SC Modeling J[CH3CHO->CH3+HCO]
SH-ORIG Modeling J[CH3CHO->CH3+HCO]
Flight Height (m)
J[CH3CHO->CH3+HCO] (1/s)
Altitude (m)
TIME (GMT)

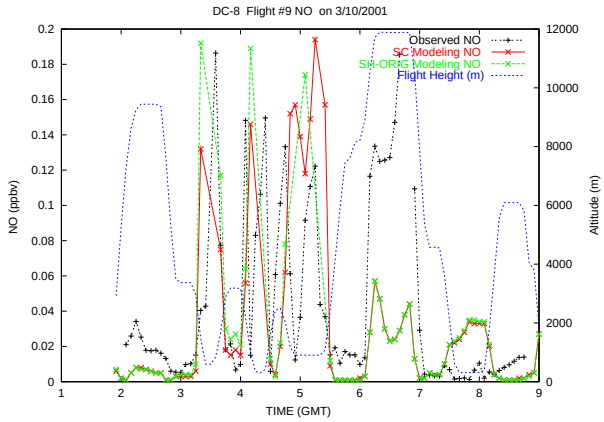

DC-8 Flight #8 J-Acetone on 3/9/2001
Observed J-Acetone
SC Modeling J-Acetone
SH-ORIG Modeling J-Acetone
Flight Height (m)
J-Acetone (1/s)
Altitude (m)
TIME (GMT)

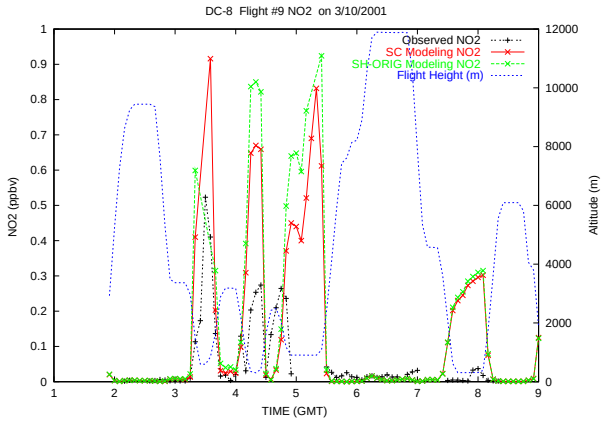

DC-8 Flight #9 O3 on 3/10/2001
Observed O3
SC Modeling O3
SH-ORIG Modeling O3
Flight Height (m)
O3 (ppbv)
Altitude (m)
TIME (GMT)

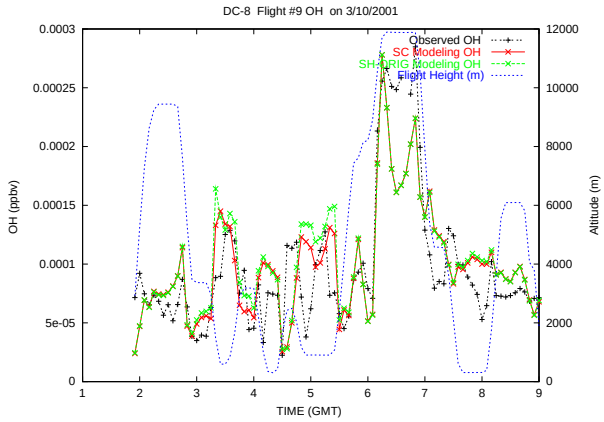

DC-8 Flight #9 H2O on 3/10/2001
Observed H2O
SC Modeling H2O
SH-ORIG Modeling H2O
Flight Height (m)
H2O (ppbv)
Altitude (m)
TIME (GMT)

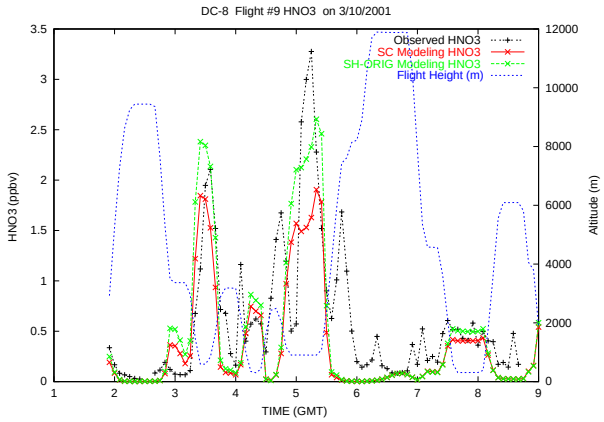

DC-8 Flight #9 Liquid-Water on 3/10/2001
Observed Liquid-Water
SC Modeling Liquid-Water
SH-ORIG Modeling Liquid-Water
Flight Height (m)
Liquid-Water (ug/std m3)
Altitude (m)
TIME (GMT)

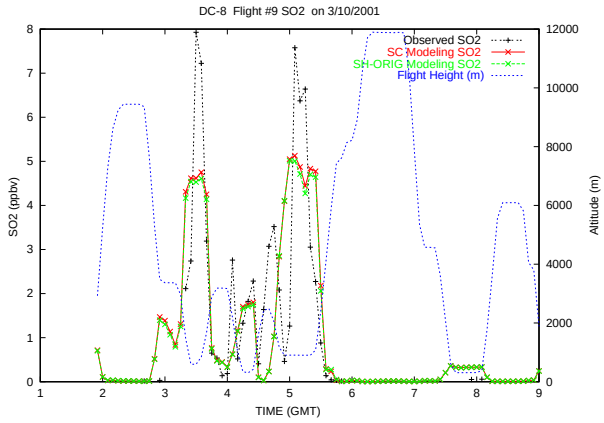

DC-8 Flight #9 CO on 3/10/2001
Observed CO
SC Modeling CO
SH-ORIG Modeling CO
Flight Height (m)
CO (ppbv)
Altitude (m)
TIME (GMT)

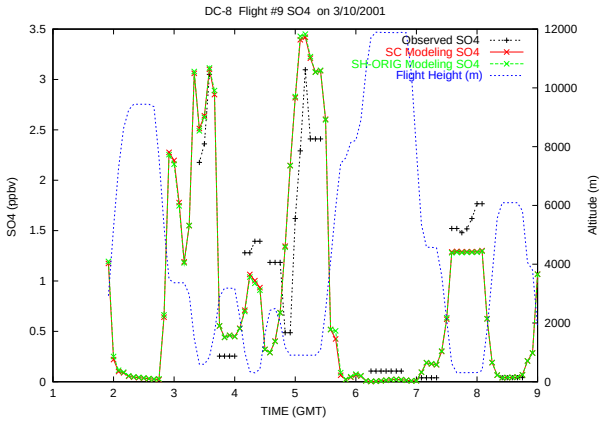

DC-8 Flight #9 NO on 3/10/2001
Observed NO
SC Modeling NO
SH-ORIG Modeling NO
Flight Height (m)
NO (ppbv)
Altitude (m)
TIME (GMT)

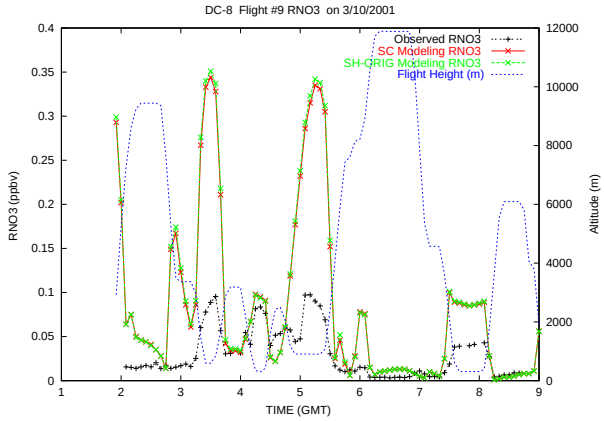

DC-8 Flight #9 NO2 on 3/10/2001
Observed NO2
SC Modeling NO2
SH-ORIG Modeling NO2
Flight Height (m)
NO2 (ppbv)
Altitude (m)
TIME (GMT)

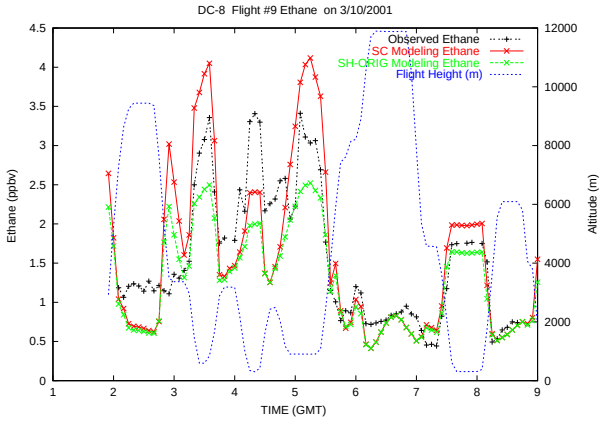

DC-8 Flight #9 OH on 3/10/2001
Observed OH
SC Modeling OH
SH-ORIG Modeling OH
Flight Height (m)
OH (ppbv)
Altitude (m)
TIME (GMT)

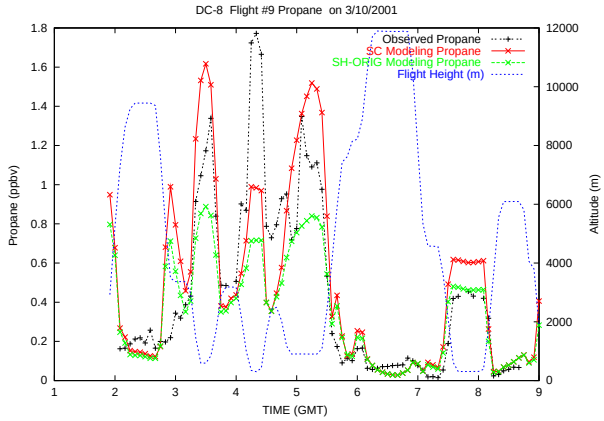

DC-8 Flight #9 HNO3 on 3/10/2001
Observed HNO3
SC Modeling HNO3
SH-ORIG Modeling HNO3
Flight Height (m)
HNO3 (ppbv)
Altitude (m)
TIME (GMT)

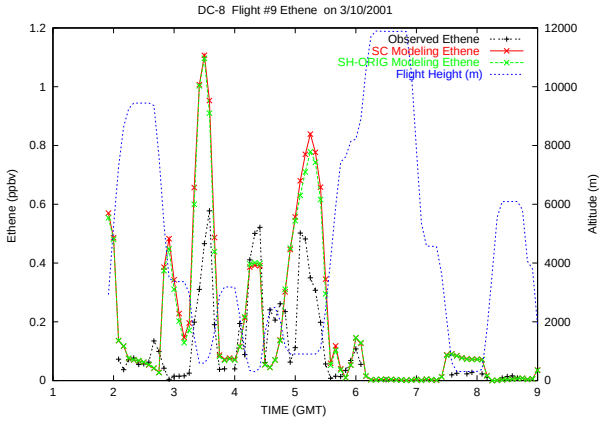

DC-8 Flight #9 SO2 on 3/10/2001
Observed SO2
SC Modeling SO2
SH-ORIG Modeling SO2
Flight Height (m)
SO2 (ppbv)
Altitude (m)
TIME (GMT)

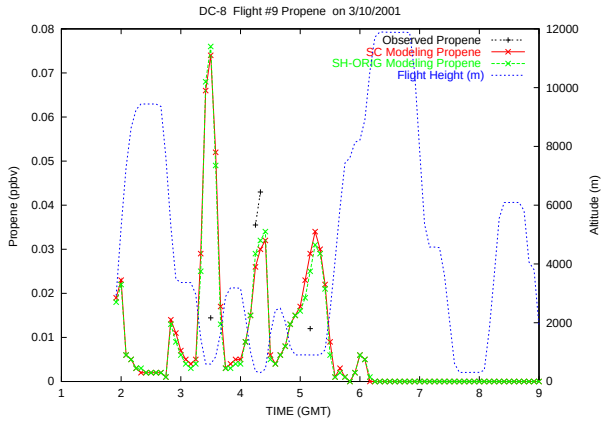

DC-8 Flight #9 SO4 on 3/10/2001
Observed SO4
SC Modeling SO4
SH-ORIG Modeling SO4
Flight Height (m)
SO4 (ppbv)
Altitude (m)
TIME (GMT)

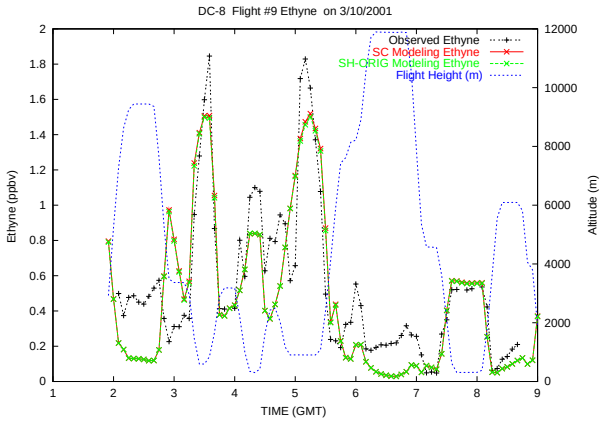

DC-8 Flight #9 RNO3 on 3/10/2001
Observed RNO3
SC Modeling RNO3
SH-ORIG Modeling RNO3
Flight Height (m)
RNO3 (ppbv)
Altitude (m)
TIME (GMT)

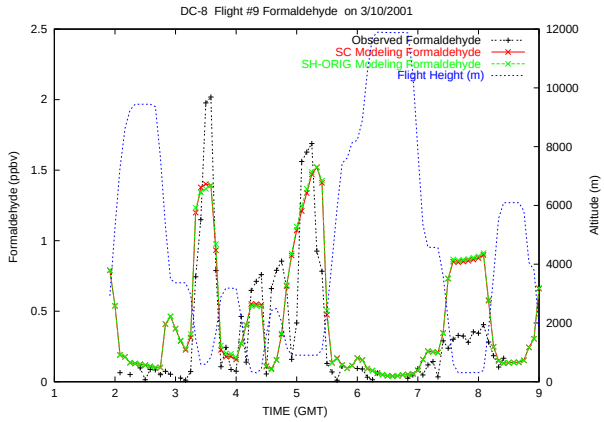

DC-8 Flight #9 Ethane on 3/10/2001
Observed Ethane
SC Modeling Ethane
SH-ORIG Modeling Ethane
Flight Height (m)
Ethane (ppbv)
Altitude (m)
TIME (GMT)

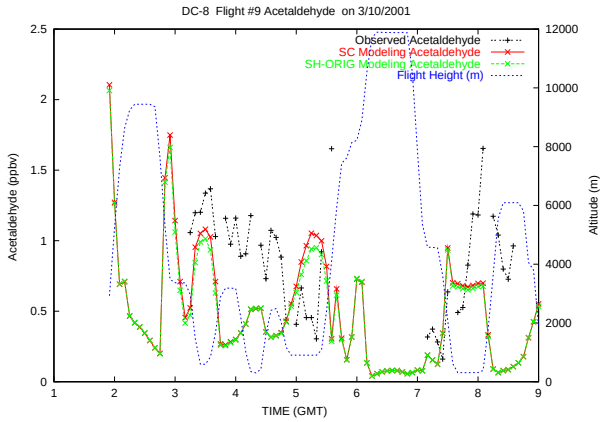

DC-8 Flight #9 Propane on 3/10/2001
Observed Propane
SC Modeling Propane
SH-ORIG Modeling Propane
Flight Height (m)
Propane (ppbv)
Altitude (m)
TIME (GMT)

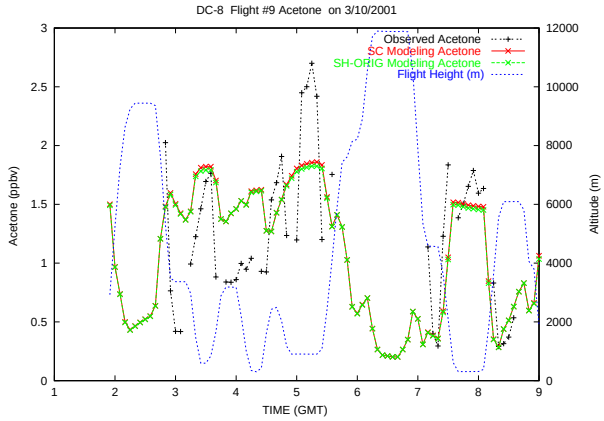

DC-8 Flight #9 Ethene on 3/10/2001
Observed Ethene
SC Modeling Ethene
SH-ORIG Modeling Ethene
Flight Height (m)
Ethene (ppbv)
Altitude (m)
TIME (GMT)

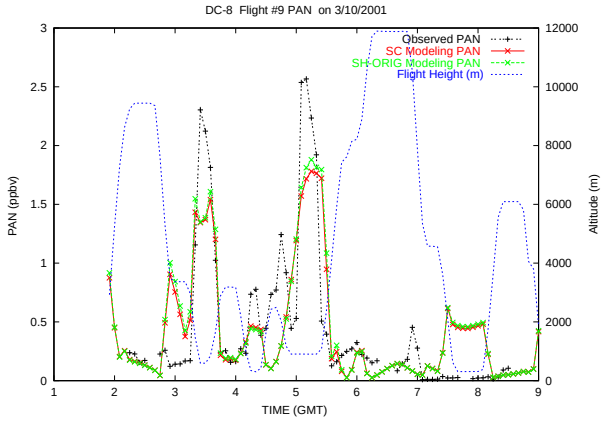

DC-8 Flight #9 Propene on 3/10/2001
Observed Propene
SC Modeling Propene
SH-ORIG Modeling Propene
Flight Height (m)
Propene (ppbv)
Altitude (m)
TIME (GMT)

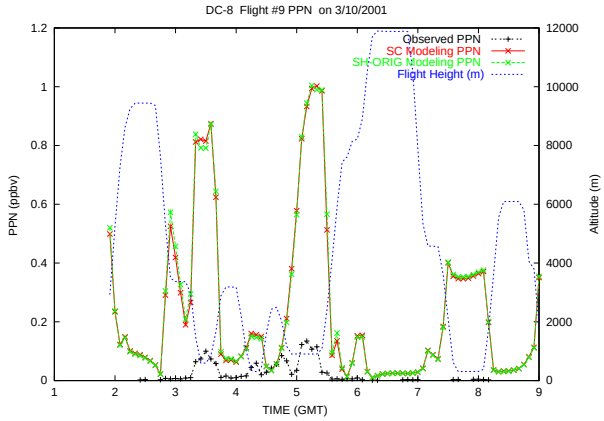

DC-8 Flight #9 Ethyne on 3/10/2001
Observed Ethyne
SC Modeling Ethyne
SH-ORIG Modeling Ethyne
Flight Height (m)
Ethyne (ppbv)
Altitude (m)
TIME (GMT)

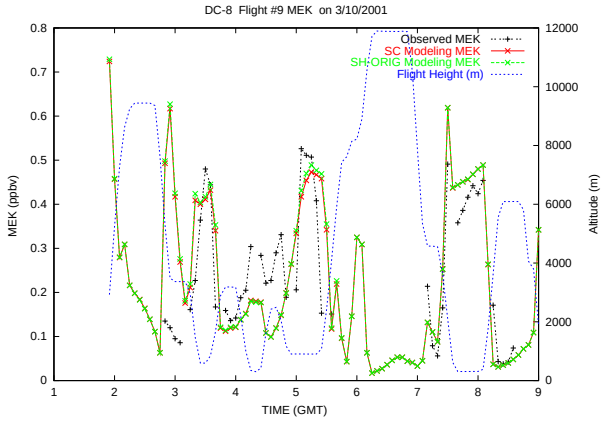

DC-8 Flight #9 Formaldehyde on 3/10/2001
Observed Formaldehyde
SC Modeling Formaldehyde
SH-ORIG Modeling Formaldehyde
Flight Height (m)
Formaldehyde (ppbv)
Altitude (m)
TIME (GMT)

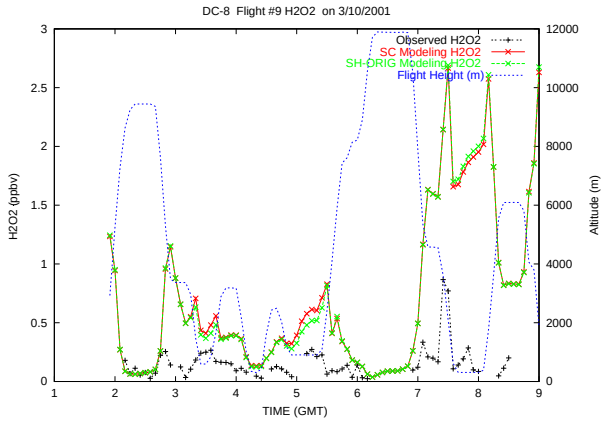

DC-8 Flight #9 Acetaldehyde on 3/10/2001
Observed Acetaldehyde
SC Modeling Acetaldehyde
SH-ORIG Modeling Acetaldehyde
Flight Height (m)
Acetaldehyde (ppbv)
Altitude (m)
TIME (GMT)

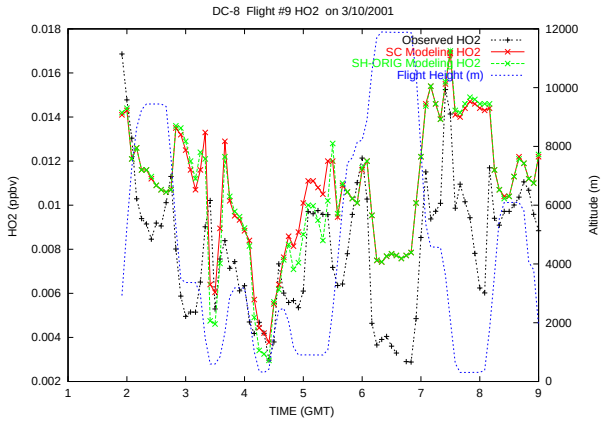

DC-8 Flight #9 Acetone on 3/10/2001
Observed Acetone
SC Modeling Acetone
SH-ORIG Modeling Acetone
Flight Height (m)
Acetone (ppbv)
Altitude (m)
TIME (GMT)

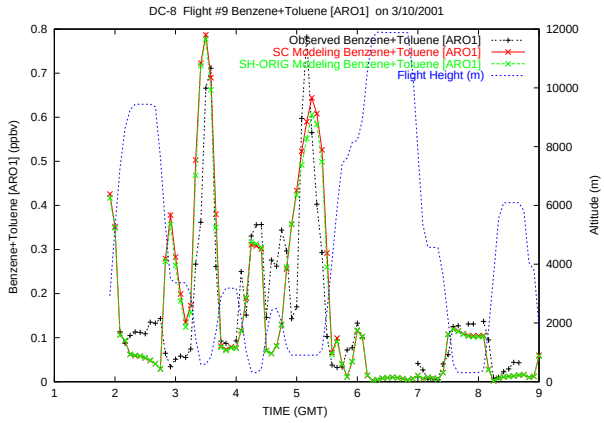

DC-8 Flight #9 PAN on 3/10/2001
Observed PAN
SC Modeling PAN
SH-ORIG Modeling PAN
Flight Height (m)
PAN (ppbv)
Altitude (m)
TIME (GMT)

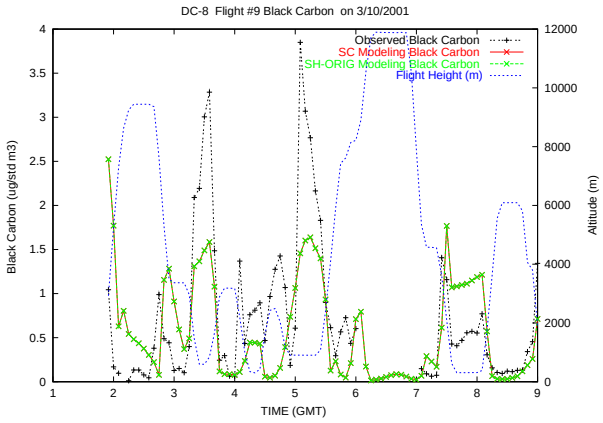

DC-8 Flight #9 PPN on 3/10/2001
Observed PPN
SC Modeling PPN
SH-ORIG Modeling PPN
Flight Height (m)
PPN (ppbv)
Altitude (m)
TIME (GMT)

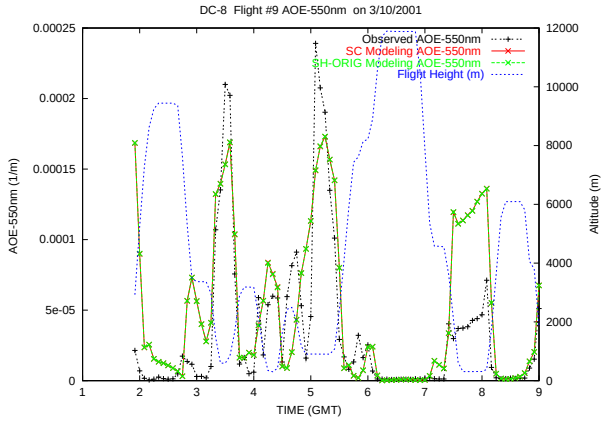

DC-8 Flight #9 MEK on 3/10/2001
Observed MEK
SC Modeling MEK
SH-ORIG Modeling MEK
Flight Height (m)
MEK (ppbv)
Altitude (m)
TIME (GMT)

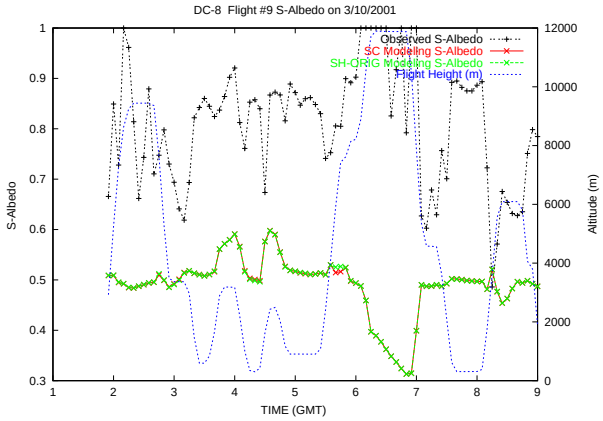

DC-8 Flight #9 H2O2 on 3/10/2001
Observed H2O2
SC Modeling H2O2
SH-ORIG Modeling H2O2
Flight Height (m)
H2O2 (ppbv)
Altitude (m)
TIME (GMT)

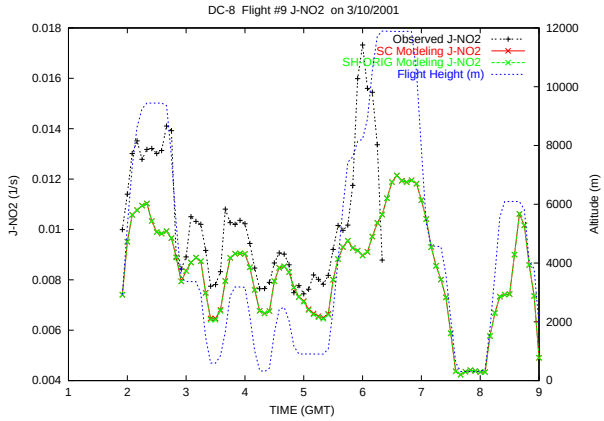

DC-8 Flight #9 HO2 on 3/10/2001
Observed HO2
SC Modeling HO2
SH-ORIG Modeling HO2
Flight Height (m)
HO2 (ppbv)
Altitude (m)
TIME (GMT)

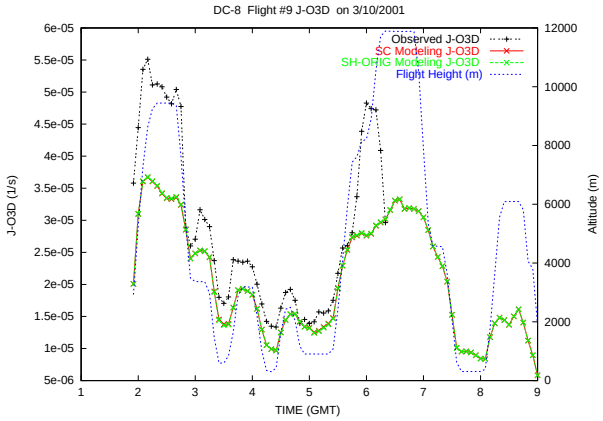

DC-8 Flight #9 Benzene+Toluene [ARO1] on 3/10/2001
Observed Benzene+Toluene [ARO1]
SC Modeling Benzene+Toluene [ARO1]
SH-ORIG Modeling Benzene+Toluene [ARO1]
Flight Height (m)
Benzene+Toluene [ARO1] (pptv)
Altitude (m)
TIME (GMT)

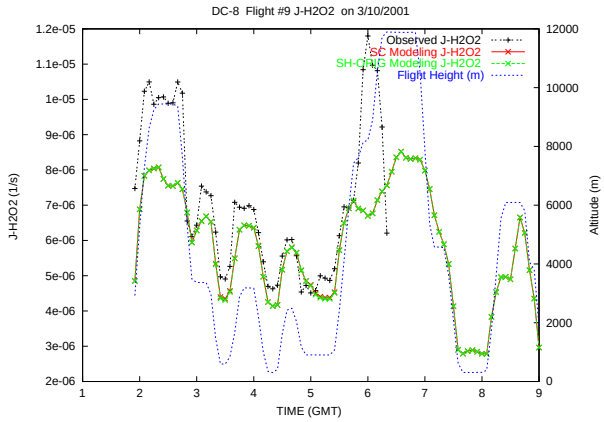

DC-8 Flight #9 Black Carbon on 3/10/2001
Observed Black Carbon
SC Modeling Black Carbon
SH-ORIG Modeling Black Carbon
Flight Height (m)
Black Carbon (ug/std m3)
Altitude (m)
TIME (GMT)

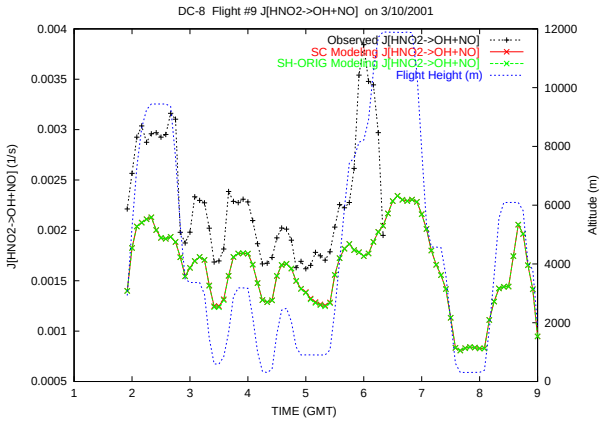

DC-8 Flight #9 AOE-550nm on 3/10/2001
Observed AOE-550nm
SC Modeling AOE-550nm
SH-ORIG Modeling AOE-550nm
Flight Height (m)
AOE-550nm (1/m)
Altitude (m)
TIME (GMT)

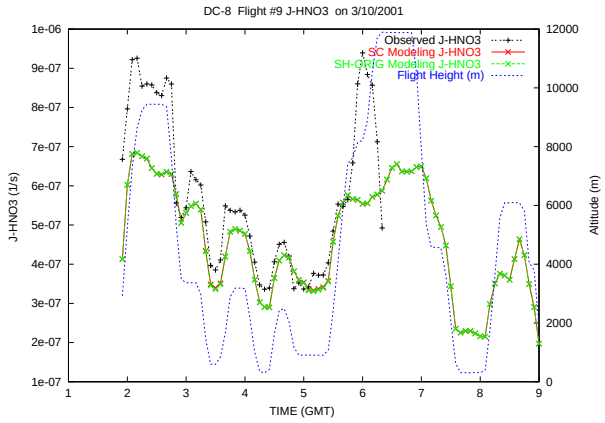

DC-8 Flight #9 S-Albedo on 3/10/2001
Observed S-Albedo
SC Modeling S-Albedo
SH-ORIG Modeling S-Albedo
Flight Height (m)
S-Albedo
Altitude (m)
TIME (GMT)

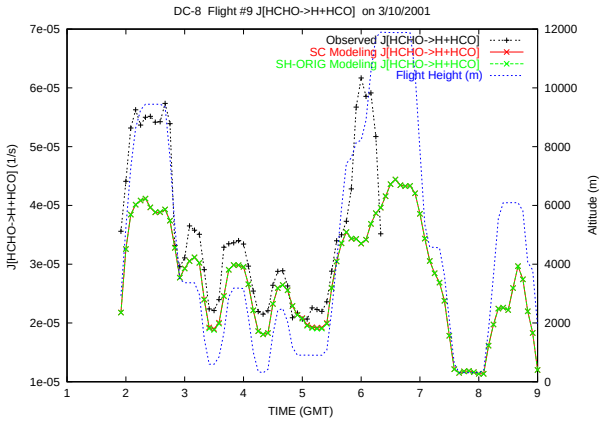

DC-8 Flight #9 J-NO2 on 3/10/2001
Observed J-NO2
SC Modeling J-NO2
SH-ORIG Modeling J-NO2
Flight Height (m)
J-NO2 (1/s)
Altitude (m)
TIME (GMT)

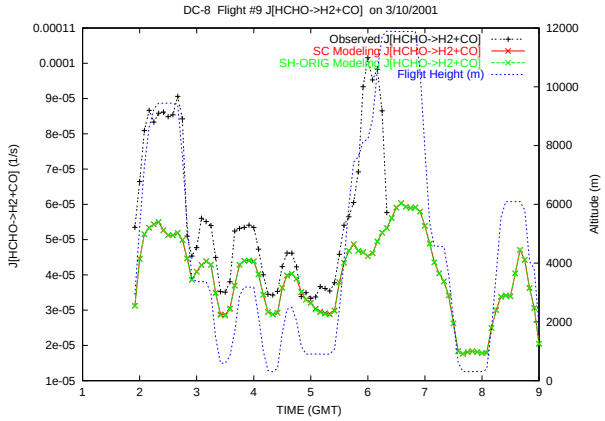

DC-8 Flight #9 J-O3D on 3/10/2001
Observed J-O3D
SC Modeling J-O3D
SH-ORIG Modeling J-O3D
Flight Height (m)
J-O3D (1/s)
Altitude (m)
TIME (GMT)

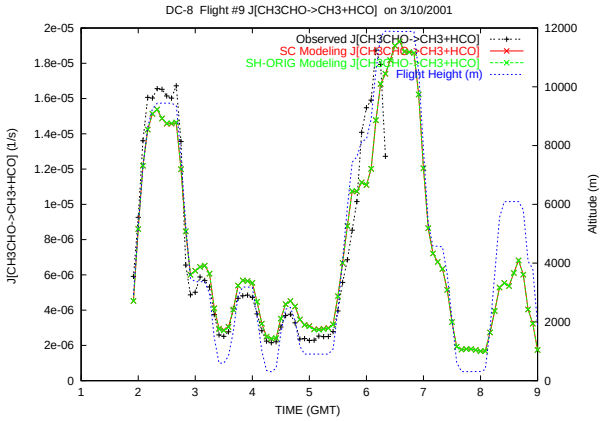

DC-8 Flight #9 J-H2O2 on 3/10/2001
Observed J-H2O2
SC Modeling J-H2O2
SH-ORIG Modeling J-H2O2
Flight Height (m)
J-H2O2 (1/s)
Altitude (m)
TIME (GMT)

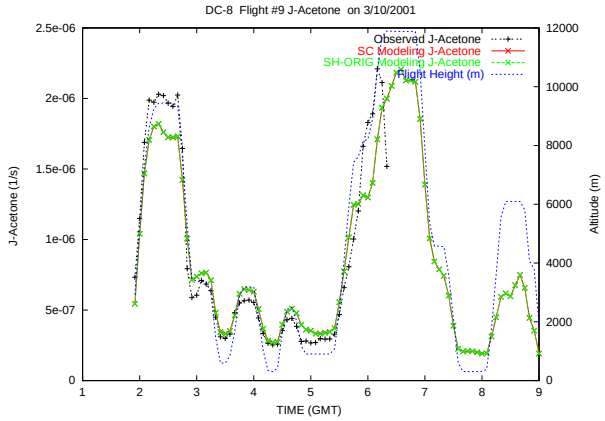

DC-8 Flight #9 J[HNO2->OH+NO] on 3/10/2001
Observed J[HNO2->OH+NO]
SC Modeling J[HNO2->OH+NO]
SH-ORIG Modeling J[HNO2->OH+NO]
Flight Height (m)
J[HNO2->OH+NO] (1/s)
Altitude (m)
TIME (GMT)

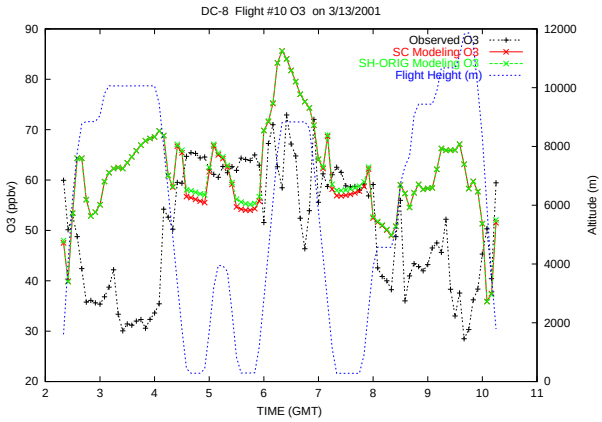

DC-8 Flight #9 J-HNO3 on 3/10/2001
Observed J-HNO3
SC Modeling J-HNO3
SH-ORIG Modeling J-HNO3
Flight Height (m)
J-HNO3 (1/s)
Altitude (m)
TIME (GMT)

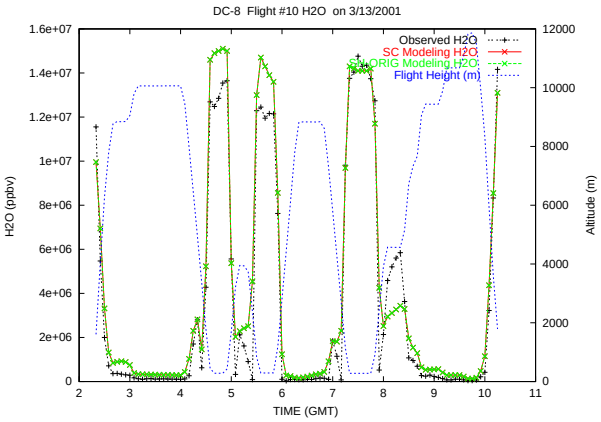

DC-8 Flight #9 J[HCHO->H+HCO] on 3/10/2001
Observed J[HCHO->H+HCO]
SC Modeling J[HCHO->H+HCO]
SH-ORIG Modeling J[HCHO->H+HCO]
Flight Height (m)
J[HCHO->H+HCO] (1/s)
Altitude (m)
TIME (GMT)

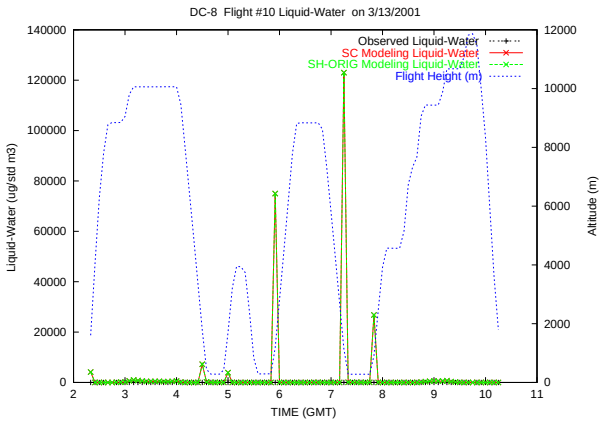

DC-8 Flight #9 J[HCHO->H2+CO] on 3/10/2001
Observed J[HCHO->H2+CO]
SC Modeling J[HCHO->H2+CO]
SH-ORIG Modeling J[HCHO->H2+CO]
Flight Height (m)
J[HCHO->H2+CO] (1/s)
Altitude (m)
TIME (GMT)

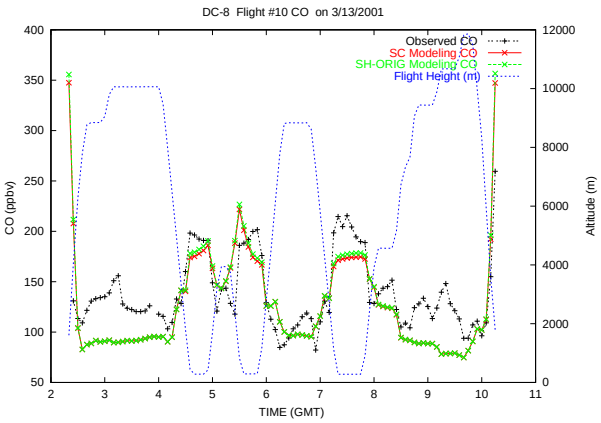

DC-8 Flight #9 J[CH3CHO->CH3+HCO] on 3/10/2001
Observed J[CH3CHO->CH3+HCO]
SC Modeling J[CH3CHO->CH3+HCO]
SH-ORIG Modeling J[CH3CHO->CH3+HCO]
Flight Height (m)
J[CH3CHO->CH3+HCO] (1/s)
Altitude (m)
TIME (GMT)

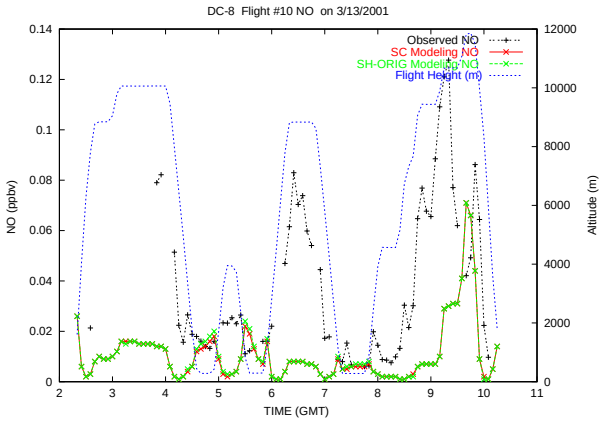

DC-8 Flight #9 J-Acetone on 3/10/2001
Observed J-Acetone
SC Modeling J-Acetone
SH-ORIG Modeling J-Acetone
Flight Height (m)
J-Acetone (1/s)
Altitude (m)
TIME (GMT)

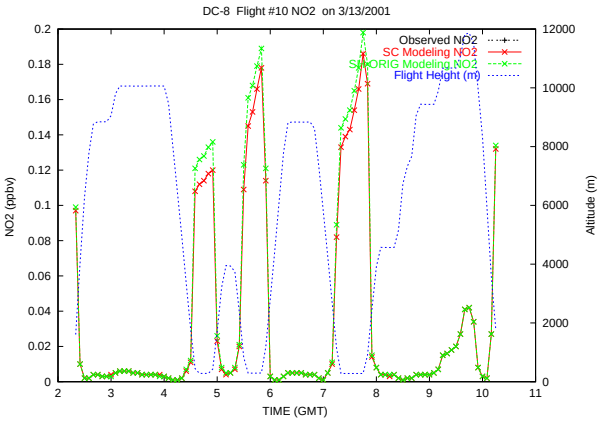

DC-8 Flight #10 O3 on 3/13/2001
Observed O3
SC Modeling O3
SH-ORIG Modeling O3
Flight Height (m)
O3 (ppbv)
Altitude (m)
TIME (GMT)

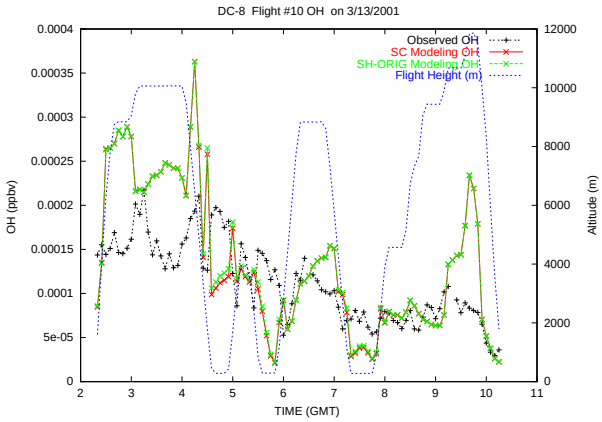

DC-8 Flight #10 H2O on 3/13/2001
Observed H2O
SC Modeling H2O
SH-ORIG Modeling H2O
Flight Height (m)
H2O (ppbv)
Altitude (m)
TIME (GMT)

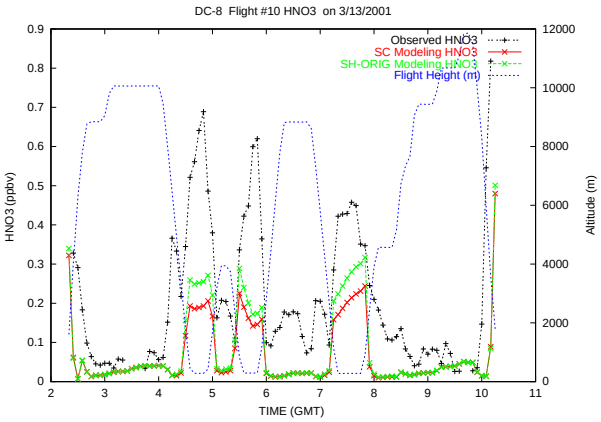

DC-8 Flight #10 Liquid-Water on 3/13/2001
Observed Liquid-Water
SC Modeling Liquid-Water
SH-ORIG Modeling Liquid-Water
Flight Height (m)
Liquid-Water (ug/std m3)
Altitude (m)
TIME (GMT)

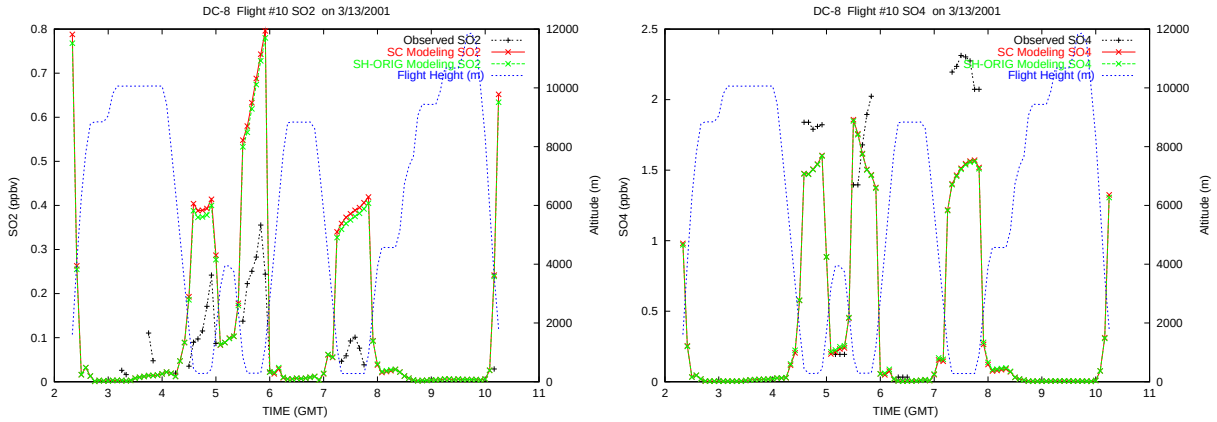

DC-8 Flight #10 CO on 3/13/2001
Observed CO
SC Modeling CO
SH-ORIG Modeling CO
Flight Height (m)
CO (ppbv)
Altitude (m)
TIME (GMT)


DC-8 Flight #10 NO on 3/13/2001
Observed NO
SC Modeling NO
SH-ORIG Modeling NO
Flight Height (m)
NO (ppbv)
Altitude (m)
TIME (GMT)

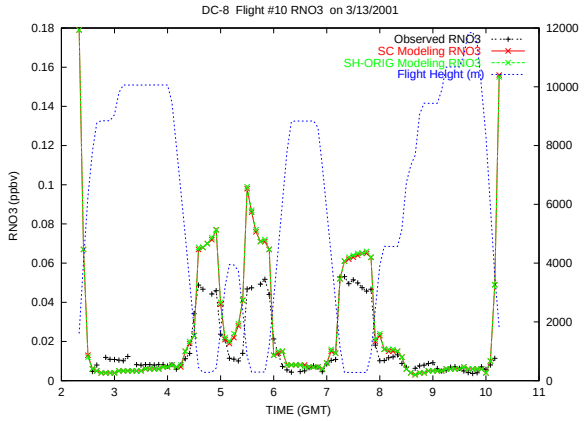

DC-8 Flight #10 NO2 on 3/13/2001
Observed NO2
SC Modeling NO2
SH-ORIG Modeling NO2
Flight Height (m)
NO2 (ppbv)
Altitude (m)
TIME (GMT)

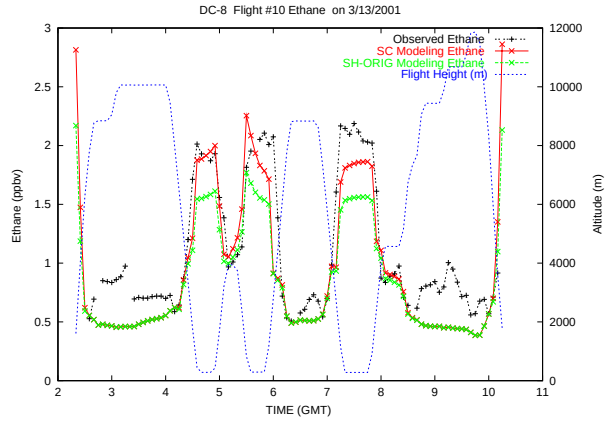

DC-8 Flight #10 OH on 3/13/2001
Observed OH
SC Modeling OH
SH-ORIG Modeling OH
Flight Height (m)
OH (pptv)
Altitude (m)
TIME (GMT)

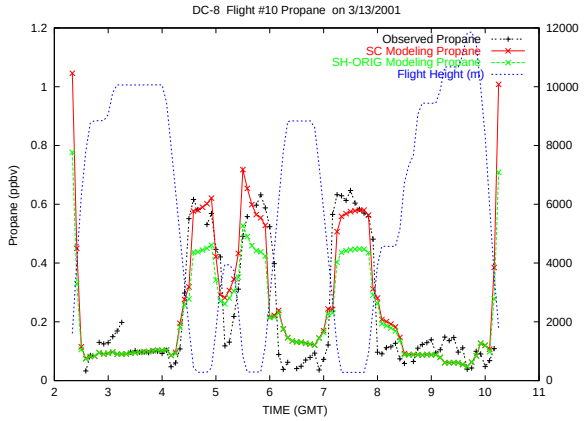

DC-8 Flight #10 HNO3 on 3/13/2001
Observed HNO3
SC Modeling HNO3
SH-ORIG Modeling HNO3
Flight Height (m)
HNO3 (ppbv)
Altitude (m)
TIME (GMT)

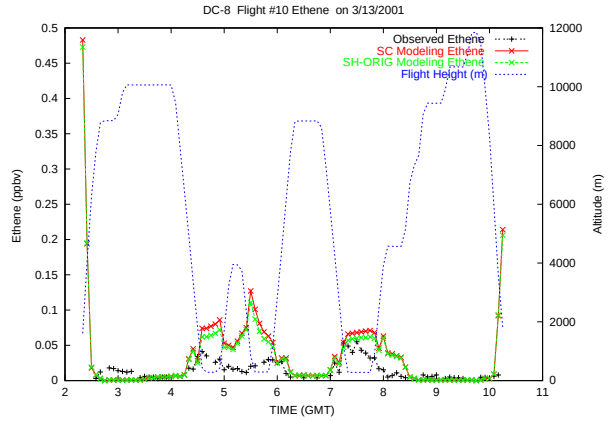

DC-8 Flight #10 SO2 on 3/13/2001
Observed SO2
SC Modeling SO2
SH-ORIG Modeling SO2
Flight Height (m)
SO2 (ppbv)
Altitude (m)
TIME (GMT)

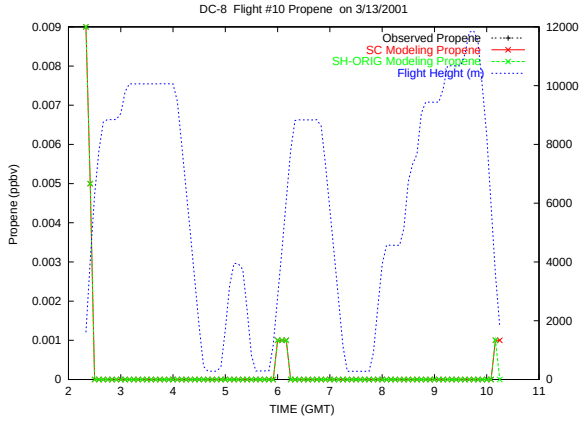
DC-8 Flight #10 SO4 on 3/13/2001
Observed SO4
SC Modeling SO4
SH-ORIG Modeling SO4
Flight Height (m)
SO4 (ppbv)
Altitude (m)
TIME (GMT)

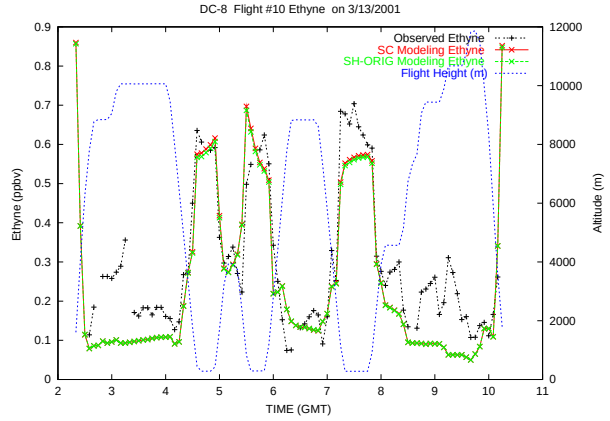

DC-8 Flight #10 RNO3 on 3/13/2001
Observed RNO3
SC Modeling RNO3
SH-ORIG Modeling RNO3
Flight Height (m)
RNO3 (ppbv)
Altitude (m)
TIME (GMT)

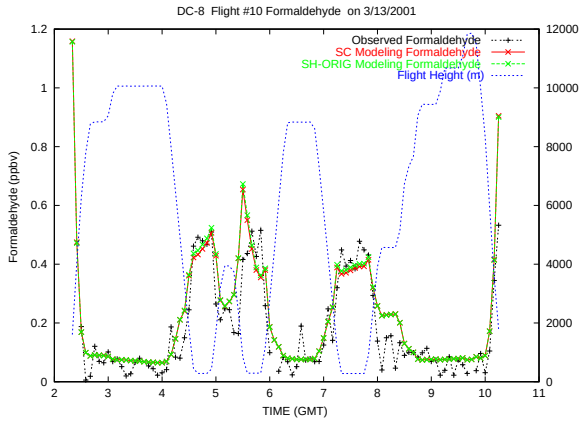

DC-8 Flight #10 Ethane on 3/13/2001
Observed Ethane
SC Modeling Ethane
SH-ORIG Modeling Ethane
Flight Height (m)
Ethane (ppbv)
Altitude (m)
TIME (GMT)

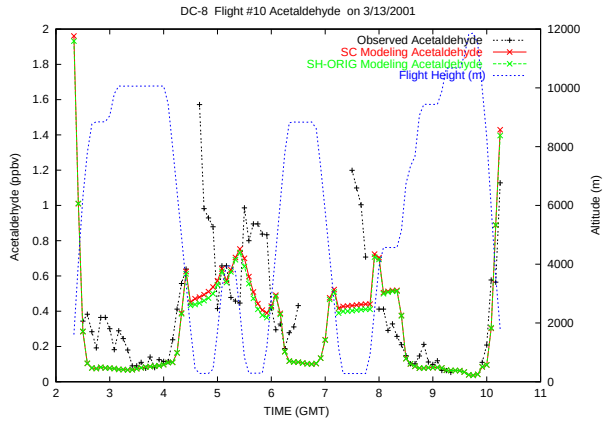

DC-8 Flight #10 Propane on 3/13/2001
Observed Propane
SC Modeling Propane
SH-ORIG Modeling Propane
Flight Height (m)
Propane (ppbv)
Altitude (m)
TIME (GMT)

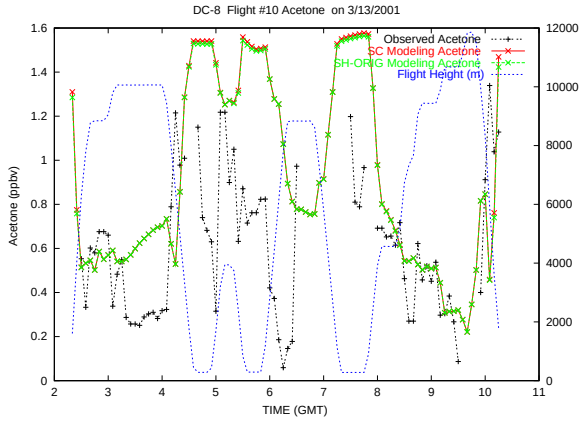

DC-8 Flight #10 Ethene on 3/13/2001
Observed Ethene
SC Modeling Ethene
SH-ORIG Modeling Ethene
Flight Height (m)
Ethene (ppbv)
Altitude (m)
TIME (GMT)

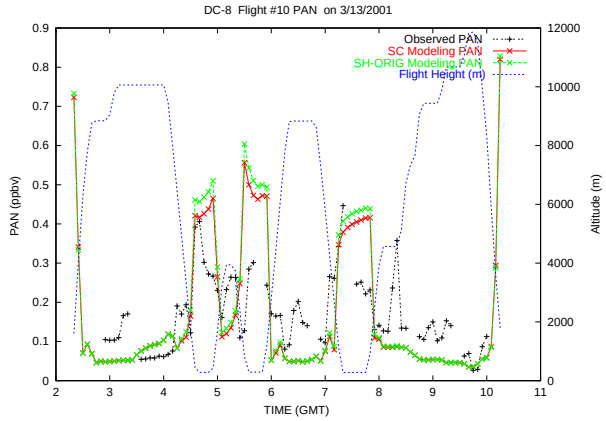

DC-8 Flight #10 Propene on 3/13/2001
Observed Propene
SC Modeling Propene
SH-ORIG Modeling Propene
Flight Height (m)
Propene (ppbv)
Altitude (m)
TIME (GMT)

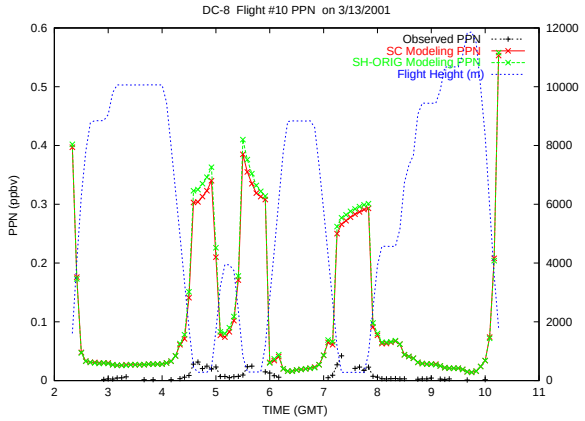

DC-8 Flight #10 Ethyne on 3/13/2001
Observed Ethyne
SC Modeling Ethyne
SH-ORIG Modeling Ethyne
Flight Height (m)
Ethyne (ppbv)
Altitude (m)
TIME (GMT)

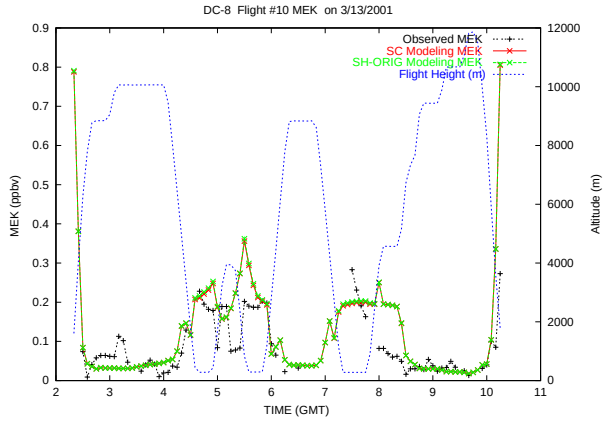

DC-8 Flight #10 Formaldehyde on 3/13/2001
Observed Formaldehyde
SC Modeling Formaldehyde
SH-ORIG Modeling Formaldehyde
Flight Height (m)
Formaldehyde (ppbv)
Altitude (m)
TIME (GMT)

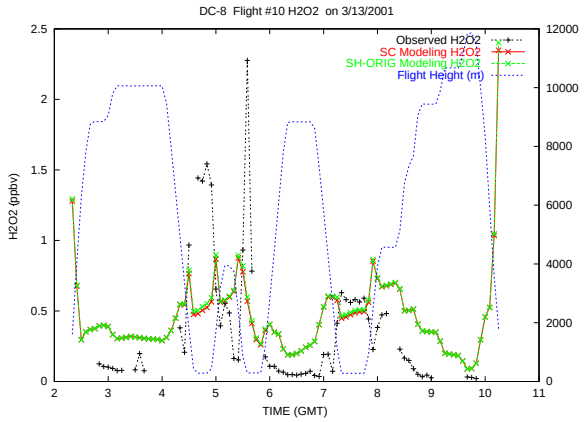

DC-8 Flight #10 Acetaldehyde on 3/13/2001
Observed Acetaldehyde
SC Modeling Acetaldehyde
SH-ORIG Modeling Acetaldehyde
Flight Height (m)
Acetaldehyde (ppbv)
Altitude (m)
TIME (GMT)

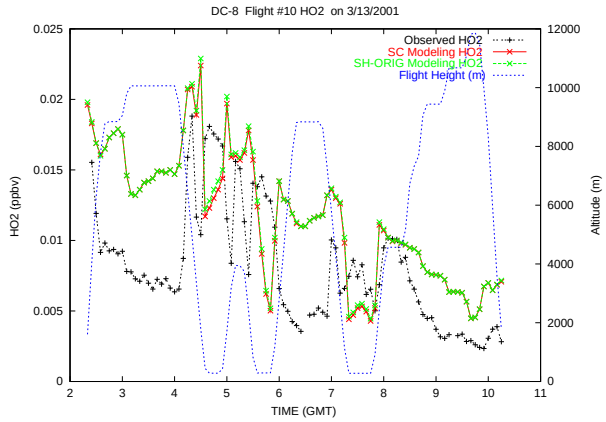

DC-8 Flight #10 Acetone on 3/13/2001
Observed Acetone
SC Modeling Acetone
SH-ORIG Modeling Acetone
Flight Height (m)
Acetone (ppbv)
Altitude (m)
TIME (GMT)

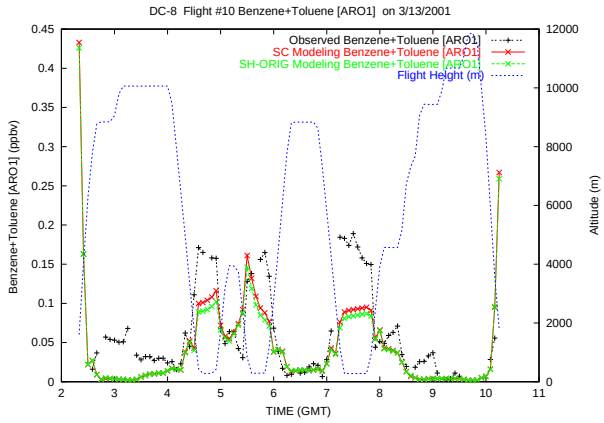

DC-8 Flight #10 PAN on 3/13/2001
Observed PAN
SC Modeling PAN
SH-ORIG Modeling PAN
Flight Height (m)
PAN (ppbv)
Altitude (m)
TIME (GMT)

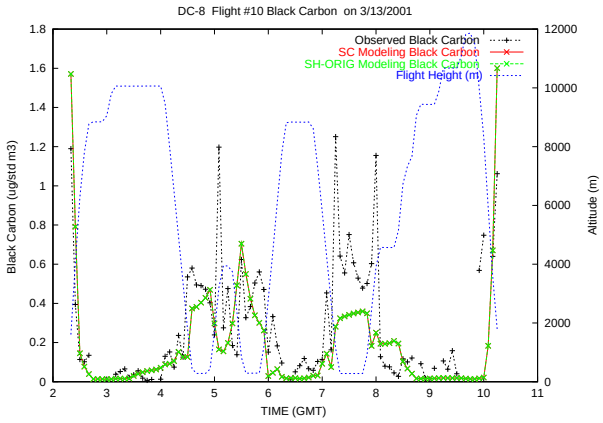

DC-8 Flight #10 PPN on 3/13/2001
Observed PPN
SC Modeling PPN
SH-ORIG Modeling PPN
Flight Height (m)
PPN (ppbv)
Altitude (m)
TIME (GMT)

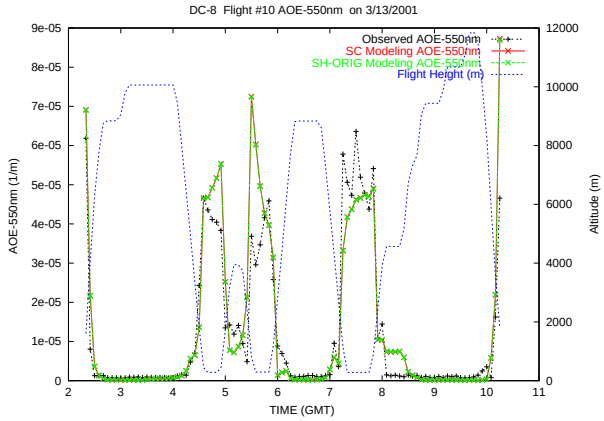

DC-8 Flight #10 MEK on 3/13/2001
Observed MEK
SC Modeling MEK
SH-ORIG Modeling MEK
Flight Height (m)
MEK (ppbv)
Altitude (m)
TIME (GMT)

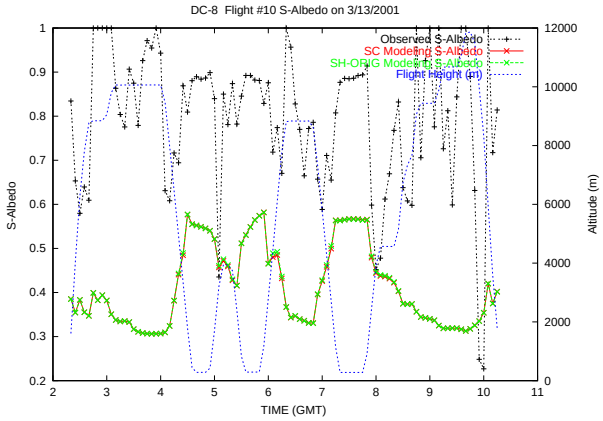

DC-8 Flight #10 H2O2 on 3/13/2001
Observed H2O2
SC Modeling H2O2
SH-ORIG Modeling H2O2
Flight Height (m)
H2O2 (ppbv)
Altitude (m)
TIME (GMT)

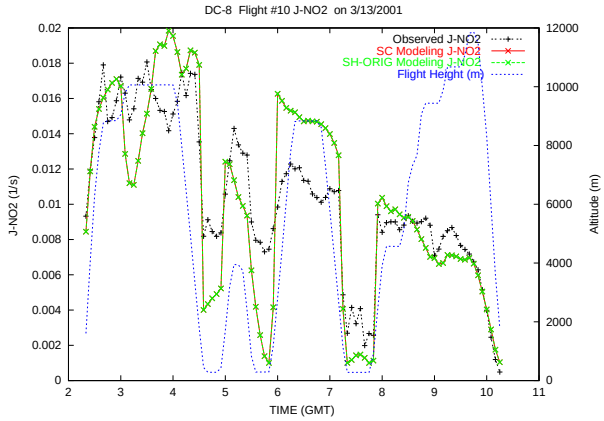

DC-8 Flight #10 HO2 on 3/13/2001
Observed HO2
SC Modeling HO2
SH-ORIG Modeling HO2
Flight Height (m)
HO2 (ppbv)
Altitude (m)
TIME (GMT)

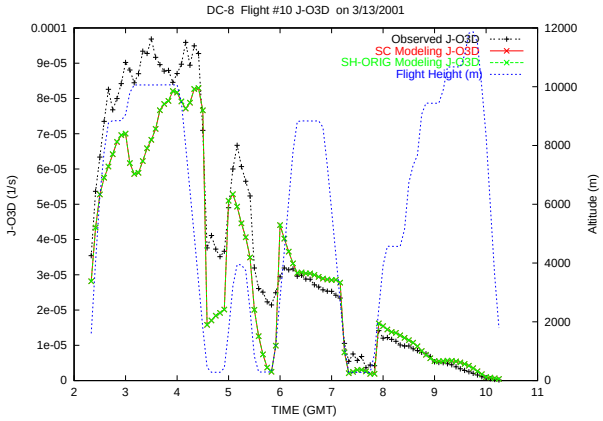

DC-8 Flight #10 Benzene+Toluene [ARO1] on 3/13/2001
Observed Benzene+Toluene [ARO1]
SC Modeling Benzene+Toluene [ARO1]
SH-ORIG Modeling Benzene+Toluene [ARO1]
Flight Height (m)
Benzene+Toluene [ARO1] (pptv)
Altitude (m)
TIME (GMT)

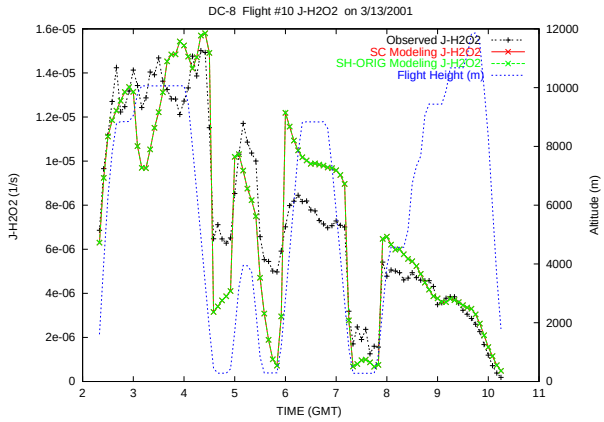

DC-8 Flight #10 Black Carbon on 3/13/2001
Observed Black Carbon
SC Modeling Black Carbon
SH-ORIG Modeling Black Carbon
Flight Height (m)
Black Carbon (ug/std m3)
Altitude (m)
TIME (GMT)

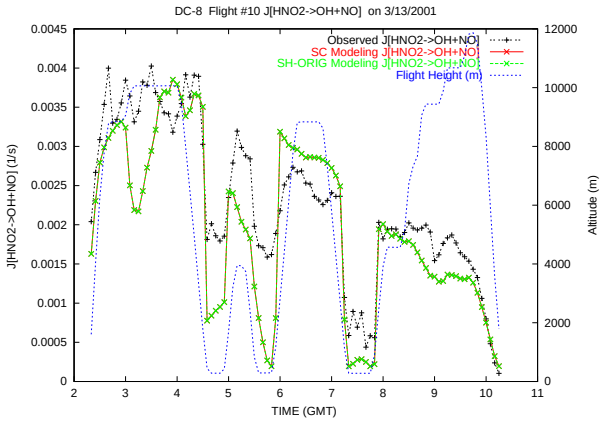

DC-8 Flight #10 AOE-550nm on 3/13/2001
Observed AOE-550nm
SC Modeling AOE-550nm
SH-ORIG Modeling AOE-550nm
Flight Height (m)
AOE-550nm (1/m)
Altitude (m)
TIME (GMT)

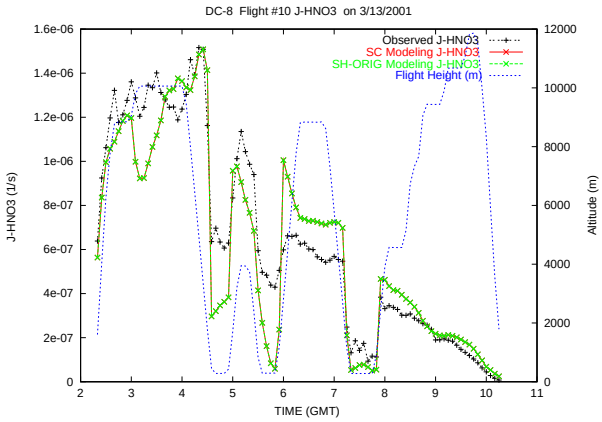

DC-8 Flight #10 S-Albedo on 3/13/2001
Observed S-Albedo
SC Modeling S-Albedo
SH-ORIG Modeling S-Albedo
Flight Height (m)
S-Albedo
Altitude (m)
TIME (GMT)

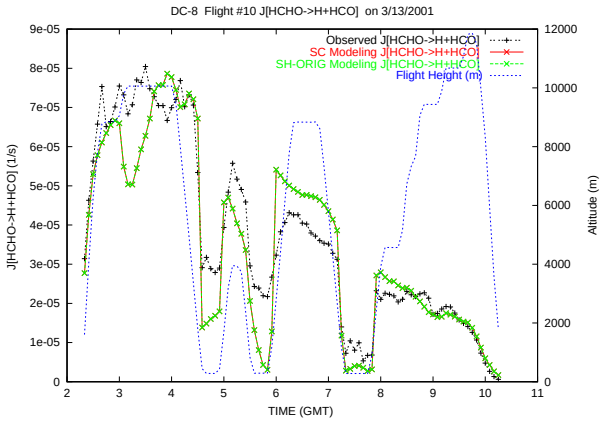

DC-8 Flight #10 J-NO2 on 3/13/2001
Observed J-NO2
SC Modeling J-NO2
SH-ORIG Modeling J-NO2
Flight Height (m)
J-NO2 (1/s)
Altitude (m)
TIME (GMT)

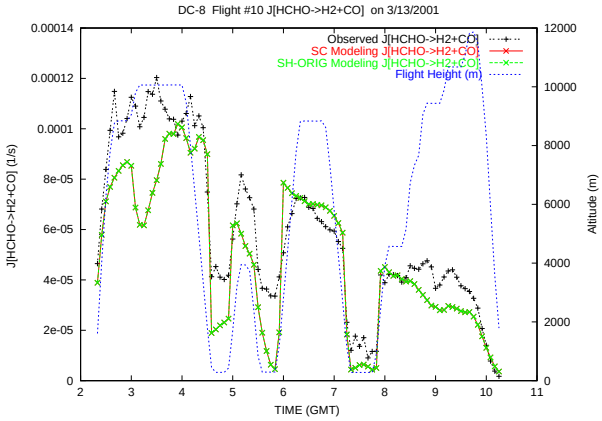

DC-8 Flight #10 J-O3D on 3/13/2001
Observed J-O3D
SC Modeling J-O3D
SH-ORIG Modeling J-O3D
Flight Height (m)
J-O3D (1/s)
Altitude (m)
TIME (GMT)

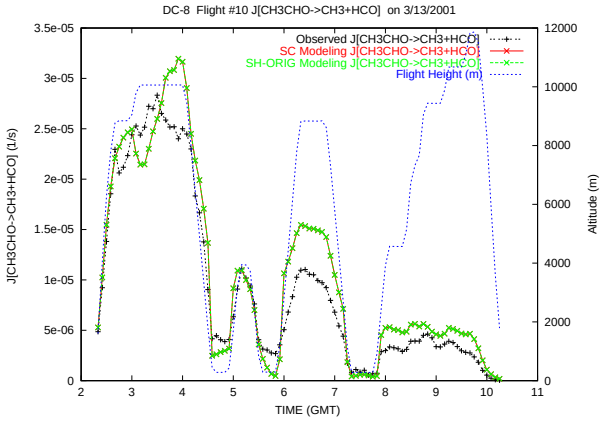

DC-8 Flight #10 J-H2O2 on 3/13/2001
Observed J-H2O2
SC Modeling J-H2O2
SH-ORIG Modeling J-H2O2
Flight Height (m)
J-H2O2 (1/s)
Altitude (m)
TIME (GMT)

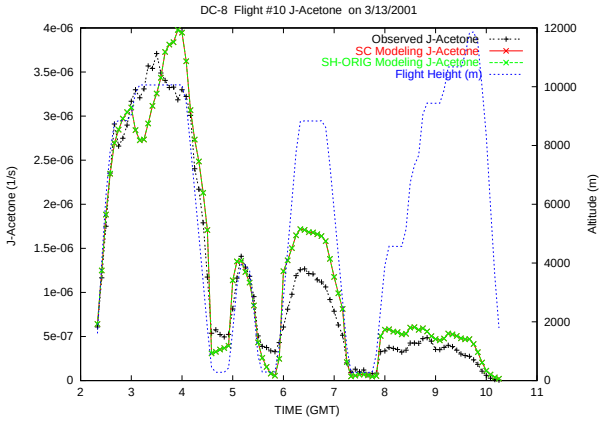

DC-8 Flight #10 J[HNO2->OH+NO] on 3/13/2001
Observed J[HNO2->OH+NO]
SC Modeling J[HNO2->OH+NO]
SH-ORIG Modeling J[HNO2->OH+NO]
Flight Height (m)
J[HNO2->OH+NO] (1/s)
Altitude (m)
TIME (GMT)

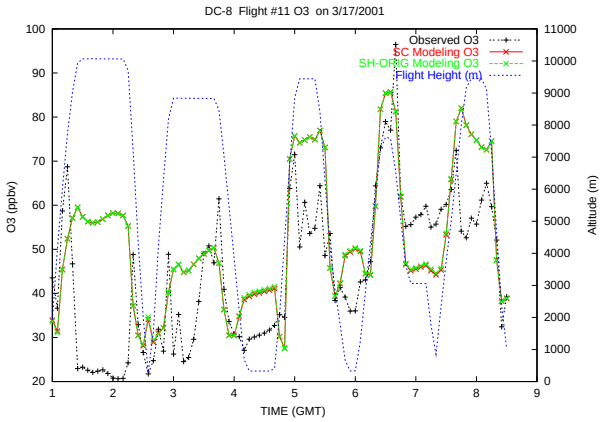

DC-8 Flight #10 J-HNO3 on 3/13/2001
Observed J-HNO3
SC Modeling J-HNO3
SH-ORIG Modeling J-HNO3
Flight Height (m)
J-HNO3 (1/s)
Altitude (m)
TIME (GMT)

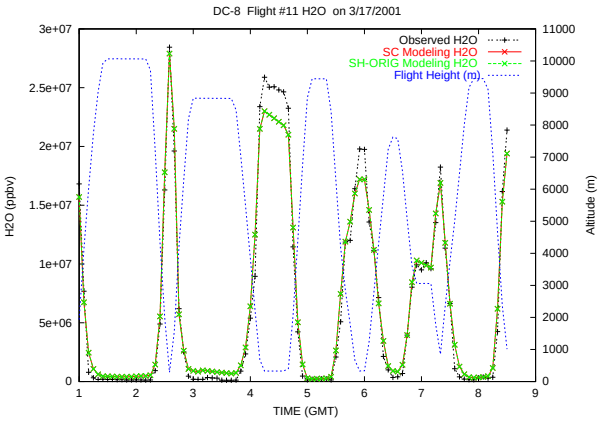

DC-8 Flight #10 J[HCHO->H+HCO] on 3/13/2001
Observed J[HCHO->H+HCO]
SC Modeling J[HCHO->H+HCO]
SH-ORIG Modeling J[HCHO->H+HCO]
Flight Height (m)
J[HCHO->H+HCO] (1/s)
Altitude (m)
TIME (GMT)

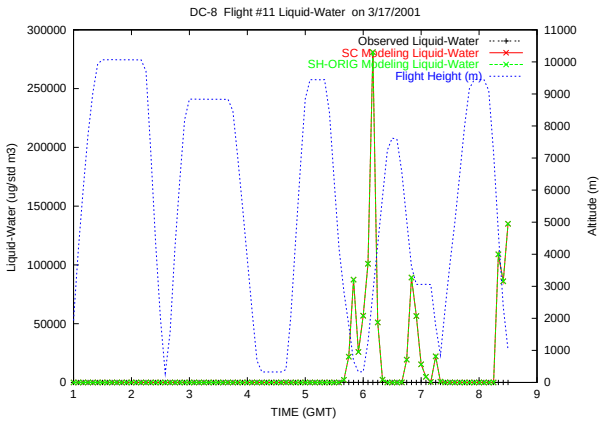

DC-8 Flight #10 J[HCHO->H2+CO] on 3/13/2001
Observed J[HCHO->H2+CO]
SC Modeling J[HCHO->H2+CO]
SH-ORIG Modeling J[HCHO->H2+CO]
Flight Height (m)
J[HCHO->H2+CO] (1/s)
Altitude (m)
TIME (GMT)

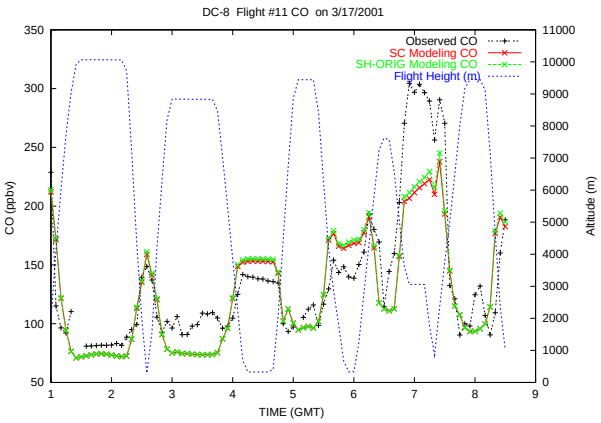

DC-8 Flight #10 J[CH3CHO->CH3+HCO] on 3/13/2001
Observed J[CH3CHO->CH3+HCO]
SC Modeling J[CH3CHO->CH3+HCO]
SH-ORIG Modeling J[CH3CHO->CH3+HCO]
Flight Height (m)
J[CH3CHO->CH3+HCO] (1/s)
Altitude (m)
TIME (GMT)

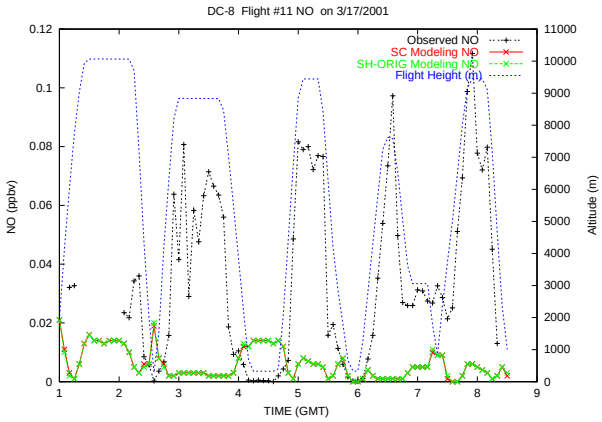

DC-8 Flight #10 J-Acetone on 3/13/2001
Observed J-Acetone
SC Modeling J-Acetone
SH-ORIG Modeling J-Acetone
Flight Height (m)
J-Acetone (1/s)
Altitude (m)
TIME (GMT)

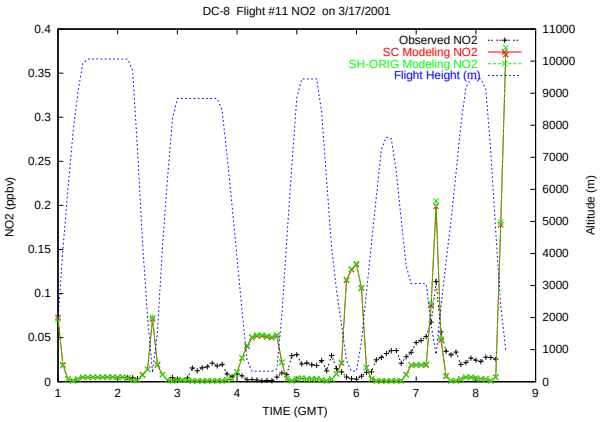

DC-8 Flight #11 O3 on 3/17/2001
Observed O3
SC Modeling O3
SH-ORIG Modeling O3
Flight Height (m)
O3 (ppbv)
Altitude (m)
TIME (GMT)

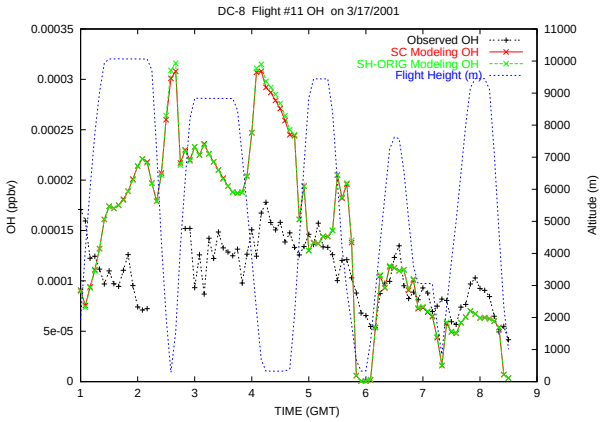

DC-8 Flight #11 H2O on 3/17/2001
Observed H2O
SC Modeling H2O
SH-ORIG Modeling H2O
Flight Height (m)
H2O (ppbv)
Altitude (m)
TIME (GMT)

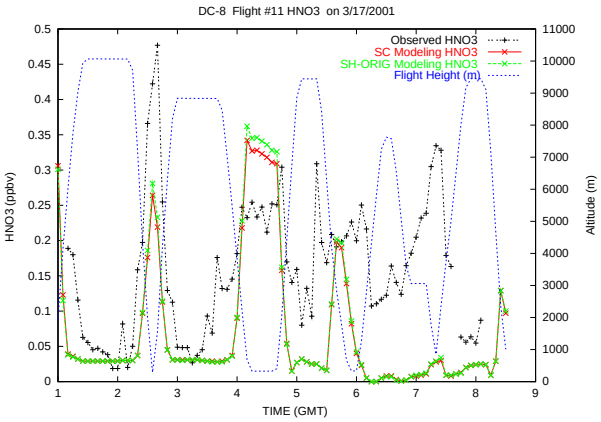

DC-8 Flight #11 Liquid-Water on 3/17/2001
Observed Liquid-Water
SC Modeling Liquid-Water
SH-ORIG Modeling Liquid-Water
Flight Height (m)
Liquid-Water (ug/std m3)
Altitude (m)
TIME (GMT)

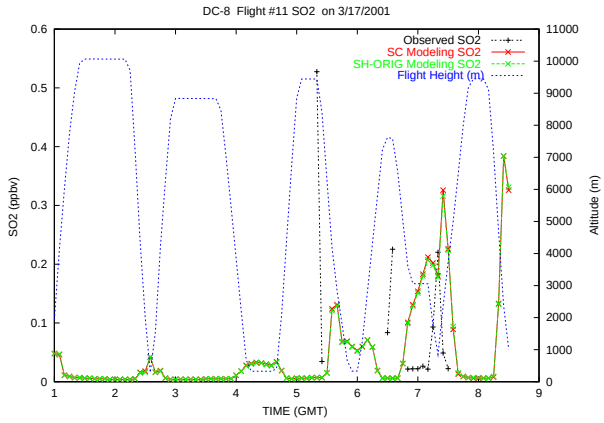

DC-8 Flight #11 CO on 3/17/2001
Observed CO
SC Modeling CO
SH-ORIG Modeling CO
Flight Height (m)
CO (ppbv)
Altitude (m)
TIME (GMT)

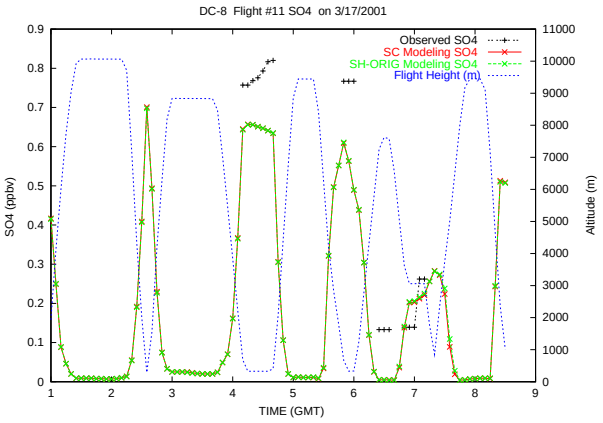

DC-8 Flight #11 NO on 3/17/2001
Observed NO
SC Modeling NO
SH-ORIG Modeling NO
Flight Height (m)
NO (ppbv)
Altitude (m)
TIME (GMT)

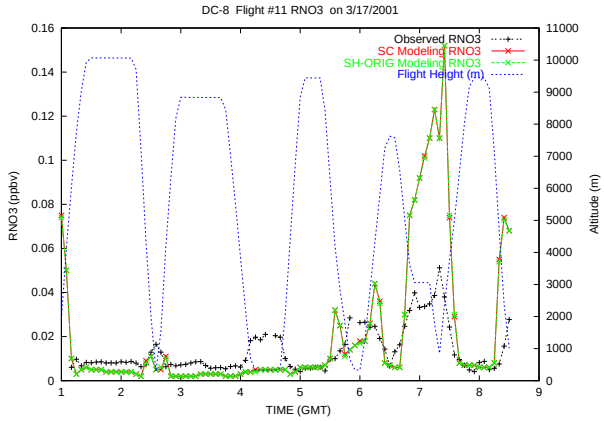

DC-8 Flight #11 NO2 on 3/17/2001
Observed NO2
SC Modeling NO2
SH-ORIG Modeling NO2
Flight Height (m)
NO2 (ppbv)
Altitude (m)
TIME (GMT)

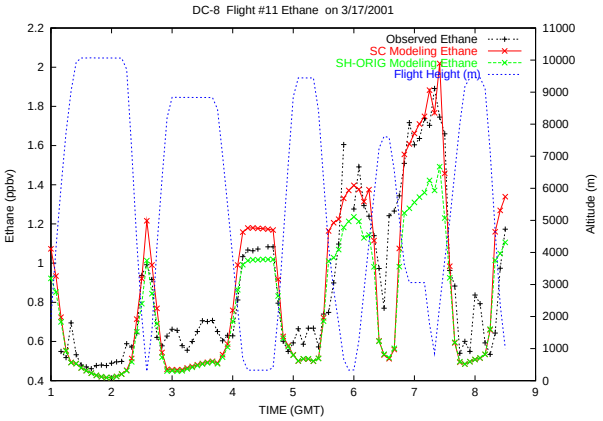

DC-8 Flight #11 OH on 3/17/2001
Observed OH
SC Modeling OH
SH-ORIG Modeling OH
Flight Height (m)
OH (ppbv)
Altitude (m)
TIME (GMT)

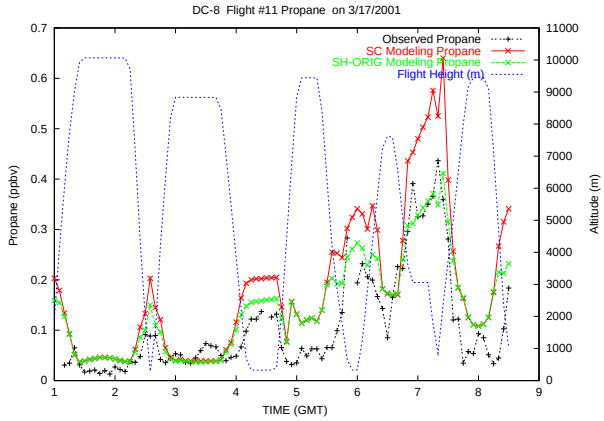

DC-8 Flight #11 HNO3 on 3/17/2001
Observed HNO3
SC Modeling HNO3
SH-ORIG Modeling HNO3
Flight Height (m)
HNO3 (ppbv)
Altitude (m)
TIME (GMT)

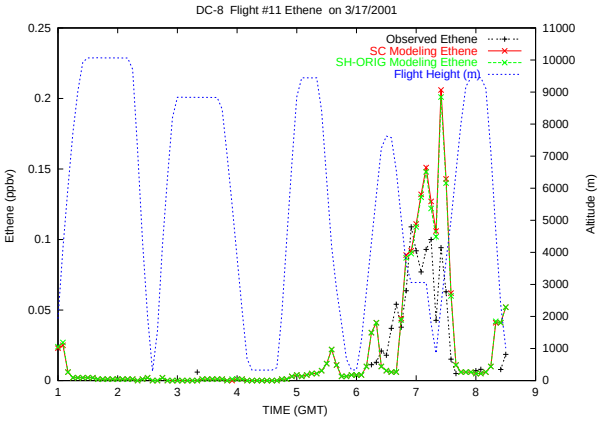

DC-8 Flight #11 SO2 on 3/17/2001
Observed SO2
SC Modeling SO2
SH-ORIG Modeling SO2
Flight Height (m)
SO2 (ppbv)
Altitude (m)
TIME (GMT)

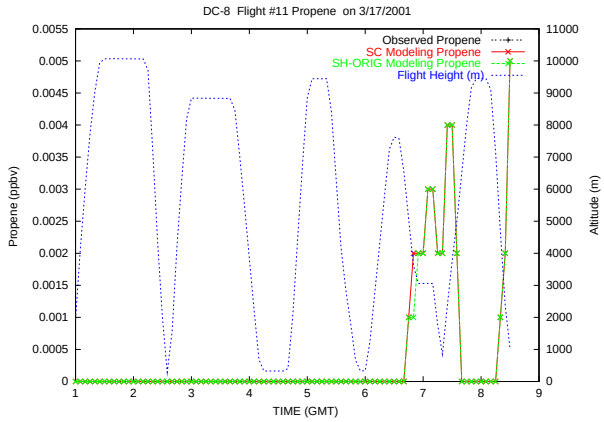

DC-8 Flight #11 SO4 on 3/17/2001
Observed SO4
SC Modeling SO4
SH-ORIG Modeling SO4
Flight Height (m)
SO4 (ppbv)
Altitude (m)
TIME (GMT)

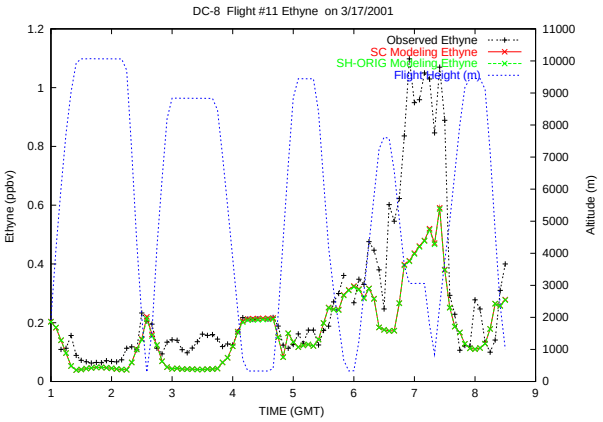

DC-8 Flight #11 RNO3 on 3/17/2001
Observed RNO3
SC Modeling RNO3
SH-ORIG Modeling RNO3
Flight Height (m)
RNO3 (ppbv)
Altitude (m)
TIME (GMT)

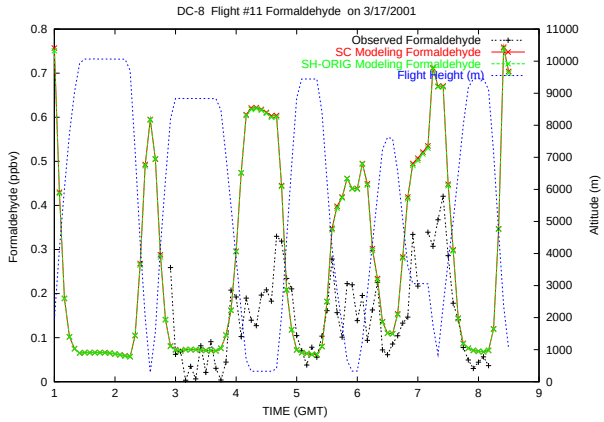

DC-8 Flight #11 Ethane on 3/17/2001
Observed Ethane
SC Modeling Ethane
SH-ORIG Modeling Ethane
Flight Height (m)
Ethane (ppbv)
Altitude (m)
TIME (GMT)

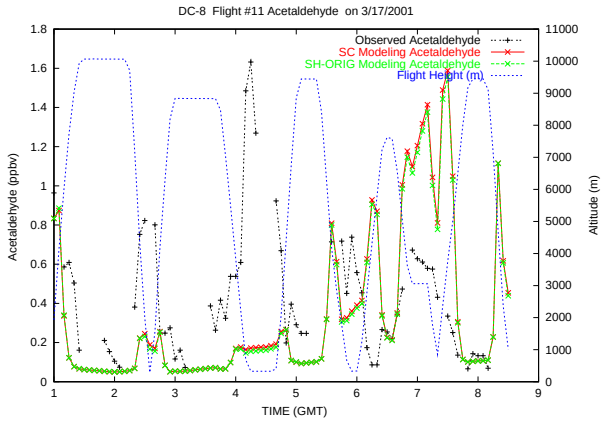

DC-8 Flight #11 Propane on 3/17/2001
Observed Propane
SC Modeling Propane
SH-ORIG Modeling Propane
Flight Height (m)
Propane (ppbv)
Altitude (m)
TIME (GMT)

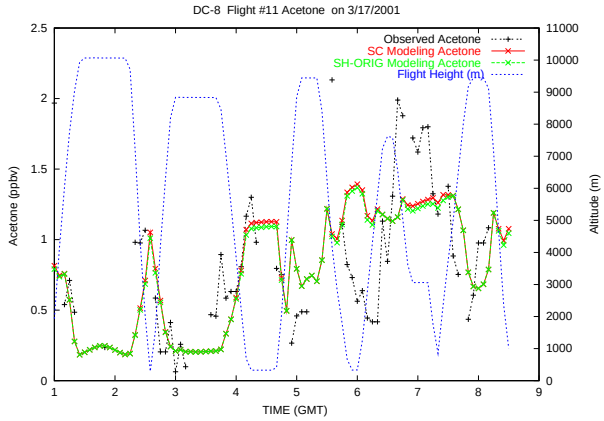

DC-8 Flight #11 Ethene on 3/17/2001
Observed Ethene
SC Modeling Ethene
SH-ORIG Modeling Ethene
Flight Height (m)
Ethene (ppbv)
Altitude (m)
TIME (GMT)

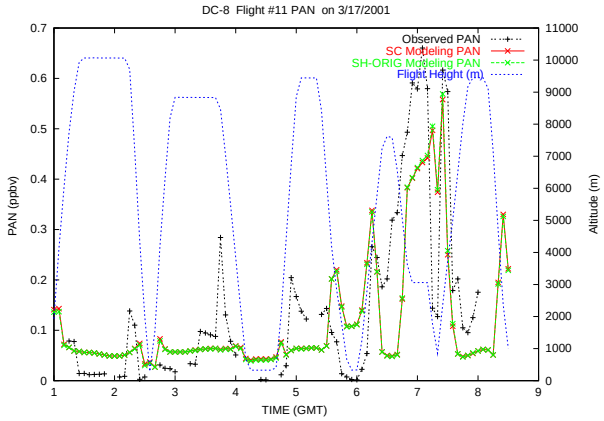

DC-8 Flight #11 Propene on 3/17/2001
Observed Propene
SC Modeling Propene
SH-ORIG Modeling Propene
Flight Height (m)
Propene (ppbv)
Altitude (m)
TIME (GMT)

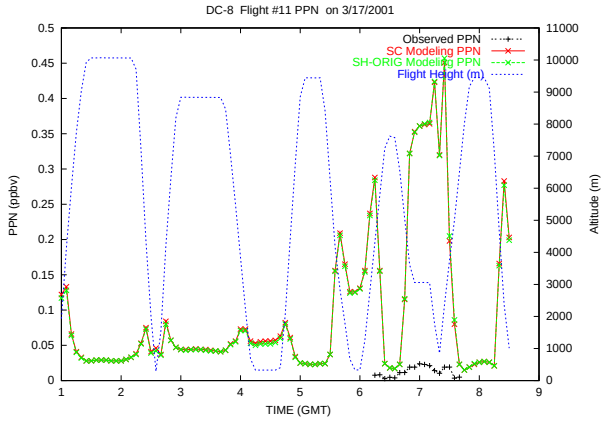

DC-8 Flight #11 Ethyne on 3/17/2001
Observed Ethyne
SC Modeling Ethyne
SH-ORIG Modeling Ethyne
Flight Height (m)
Ethyne (ppbv)
Altitude (m)
TIME (GMT)

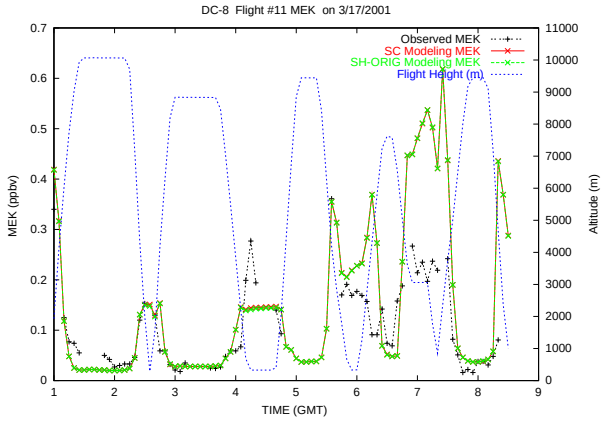

DC-8 Flight #11 Formaldehyde on 3/17/2001
Observed Formaldehyde
SC Modeling Formaldehyde
SH-ORIG Modeling Formaldehyde
Flight Height (m)
Formaldehyde (ppbv)
Altitude (m)
TIME (GMT)

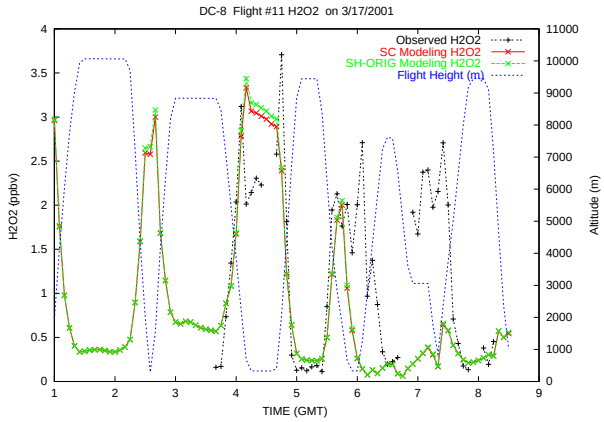

DC-8 Flight #11 Acetaldehyde on 3/17/2001
Observed Acetaldehyde
SC Modeling Acetaldehyde
SH-ORIG Modeling Acetaldehyde
Flight Height (m)
Acetaldehyde (ppbv)
Altitude (m)
TIME (GMT)

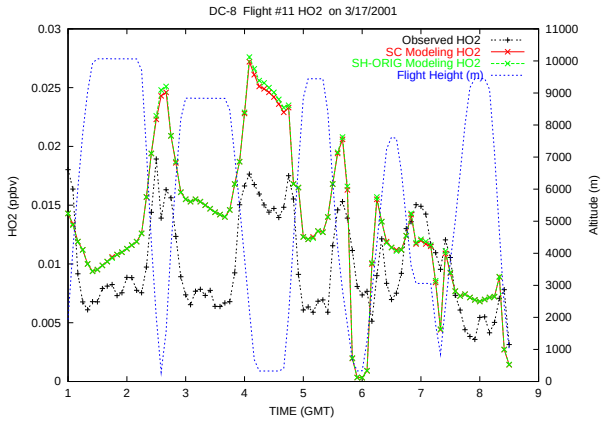

DC-8 Flight #11 Acetone on 3/17/2001
Observed Acetone
SC Modeling Acetone
SH-ORIG Modeling Acetone
Flight Height (m)
Acetone (ppbv)
Altitude (m)
TIME (GMT)

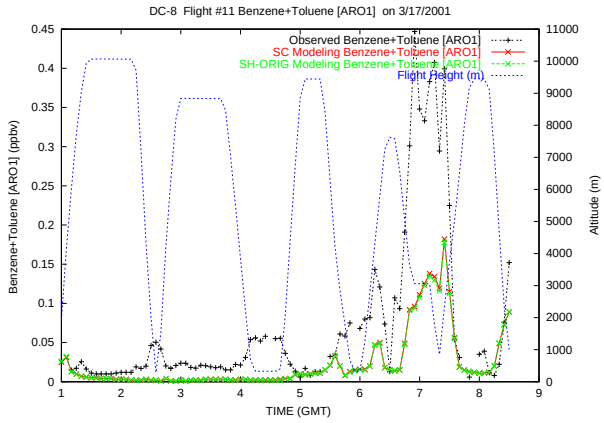

DC-8 Flight #11 PAN on 3/17/2001
Observed PAN
SC Modeling PAN
SH-ORIG Modeling PAN
Flight Height (m)
PAN (ppbv)
Altitude (m)
TIME (GMT)

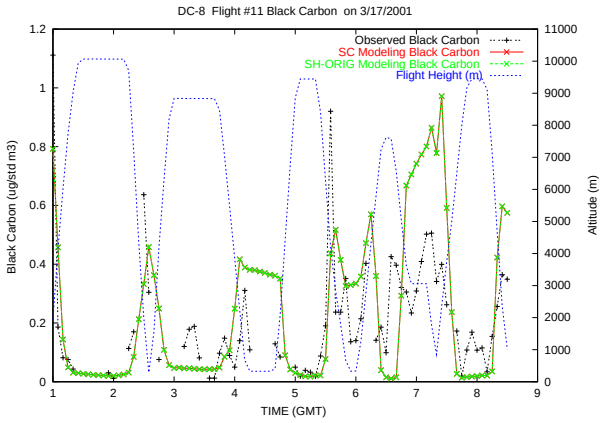

DC-8 Flight #11 PPN on 3/17/2001
Observed PPN
SC Modeling PPN
SH-ORIG Modeling PPN
Flight Height (m)
PPN (ppbv)
Altitude (m)
TIME (GMT)

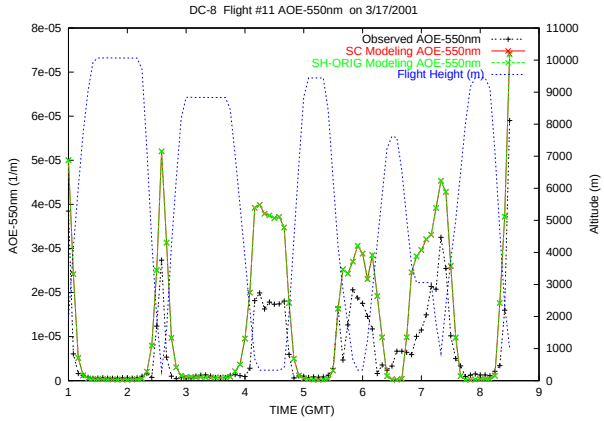

DC-8 Flight #11 MEK on 3/17/2001
Observed MEK
SC Modeling MEK
SH-ORIG Modeling MEK
Flight Height (m)
MEK (ppbv)
Altitude (m)
TIME (GMT)

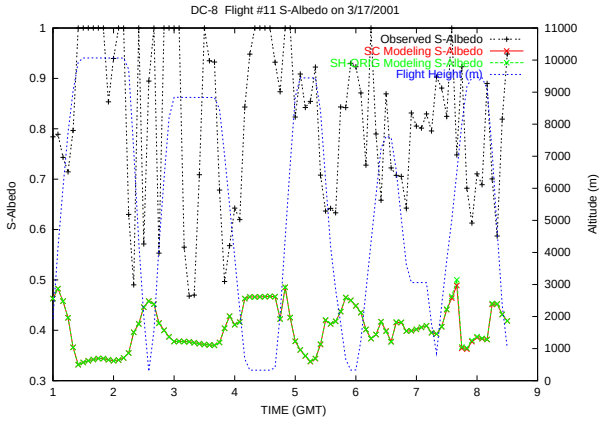

DC-8 Flight #11 H2O2 on 3/17/2001
Observed H2O2
SC Modeling H2O2
SH-ORIG Modeling H2O2
Flight Height (m)
H2O2 (ppbv)
Altitude (m)
TIME (GMT)

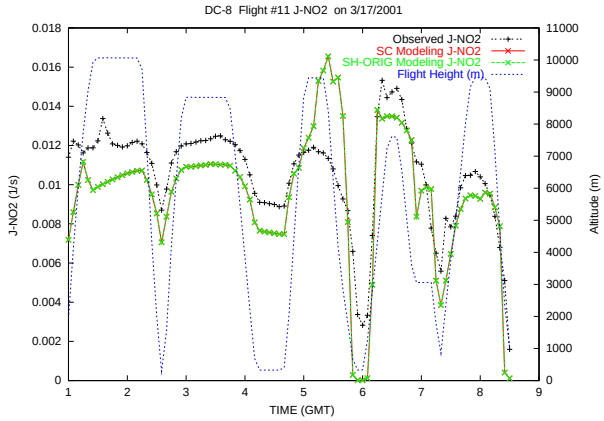

DC-8 Flight #11 HO2 on 3/17/2001
Observed HO2
SC Modeling HO2
SH-ORIG Modeling HO2
Flight Height (m)
HO2 (ppbv)
Altitude (m)
TIME (GMT)

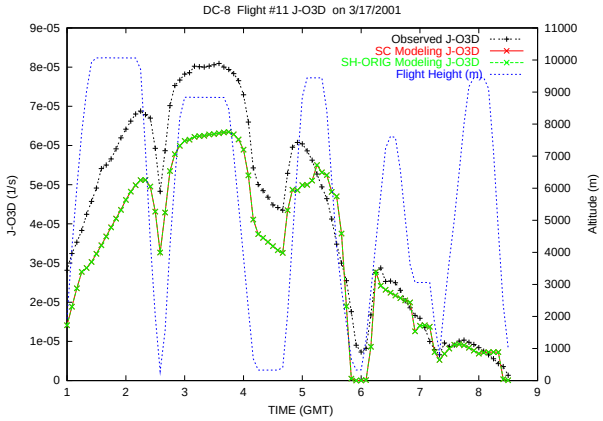

DC-8 Flight #11 Benzene+Toluene [ARO1] on 3/17/2001
Observed Benzene+Toluene [ARO1]
SC Modeling Benzene+Toluene [ARO1]
SH-ORIG Modeling Benzene+Toluene [ARO1]
Flight Height (m)
Benzene+Toluene [ARO1] (pptv)
Altitude (m)
TIME (GMT)

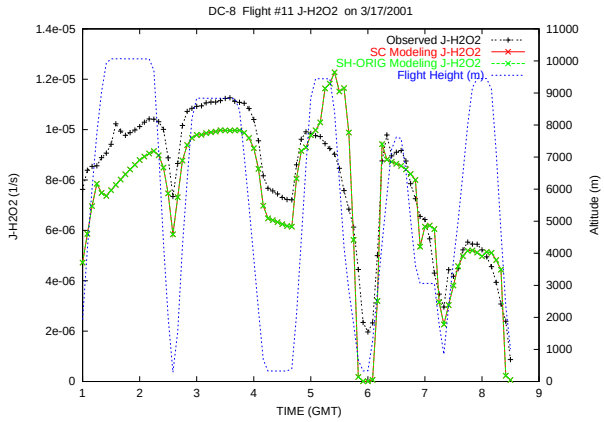

DC-8 Flight #11 Black Carbon on 3/17/2001
Observed Black Carbon
SC Modeling Black Carbon
SH-ORIG Modeling Black Carbon
Flight Height (m)
Black Carbon (ug/std m3)
Altitude (m)
TIME (GMT)

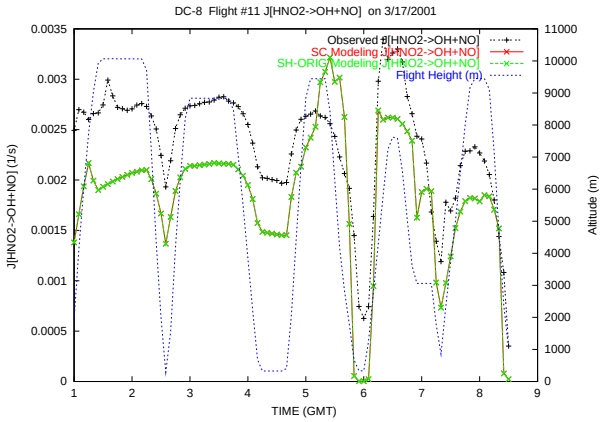

DC-8 Flight #11 AOE-550nm on 3/17/2001
Observed AOE-550nm
SC Modeling AOE-550nm
SH-ORIG Modeling AOE-550nm
Flight Height (m)
AOE-550nm (1/m)
Altitude (m)
TIME (GMT)

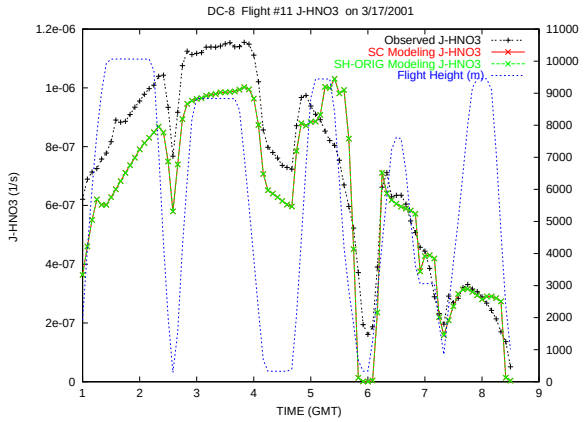

DC-8 Flight #11 S-Albedo on 3/17/2001
Observed S-Albedo
SC Modeling S-Albedo
SH-ORIG Modeling S-Albedo
Flight Height (m)
S-Albedo
Altitude (m)
TIME (GMT)

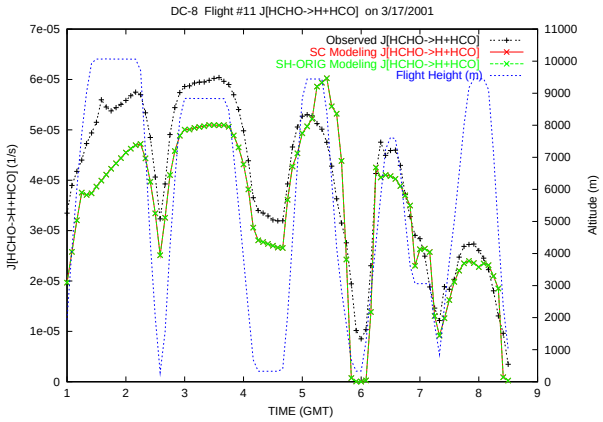

DC-8 Flight #11 J-NO2 on 3/17/2001
Observed J-NO2
SC Modeling J-NO2
SH-ORIG Modeling J-NO2
Flight Height (m)
J-NO2 (1/s)
Altitude (m)
TIME (GMT)

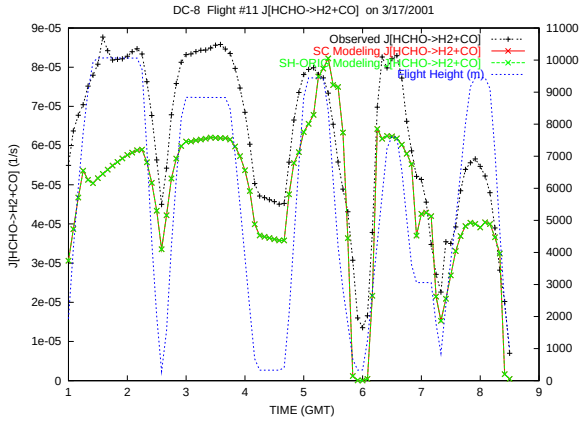

DC-8 Flight #11 J-O3D on 3/17/2001
Observed J-O3D
SC Modeling J-O3D
SH-ORIG Modeling J-O3D
Flight Height (m)
J-O3D (1/s)
Altitude (m)
TIME (GMT)

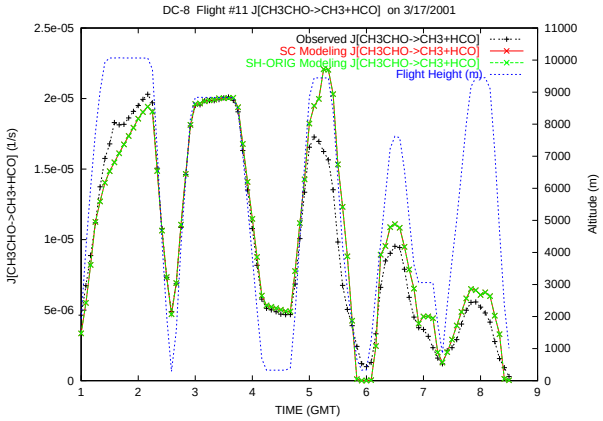

DC-8 Flight #11 J-H2O2 on 3/17/2001
Observed J-H2O2
SC Modeling J-H2O2
SH-ORIG Modeling J-H2O2
Flight Height (m)
J-H2O2 (1/s)
Altitude (m)
TIME (GMT)

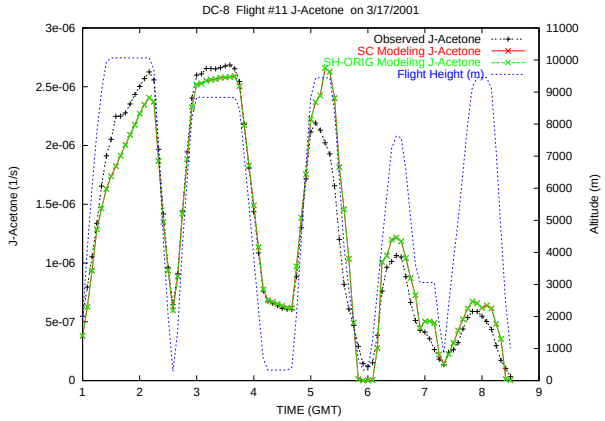

DC-8 Flight #11 J[HNO2->OH+NO] on 3/17/2001
Observed J[HNO2->OH+NO]
SC Modeling J[HNO2->OH+NO]
SH-ORIG Modeling J[HNO2->OH+NO]
Flight Height (m)
J[HNO2->OH+NO] (1/s)
Altitude (m)
TIME (GMT)

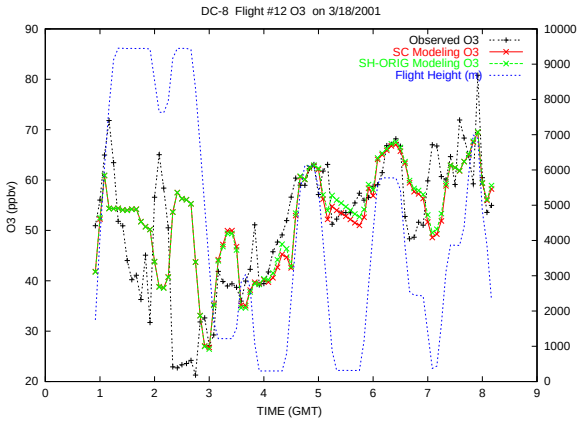

DC-8 Flight #11 J-HNO3 on 3/17/2001
Observed J-HNO3
SC Modeling J-HNO3
SH-ORIG Modeling J-HNO3
Flight Height (m)
J-HNO3 (1/s)
Altitude (m)
TIME (GMT)

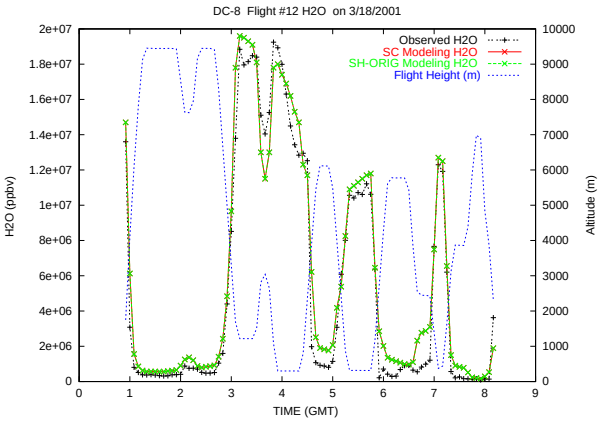

DC-8 Flight #11 J[HCHO->H+HCO] on 3/17/2001
Observed J[HCHO->H+HCO]
SC Modeling J[HCHO->H+HCO]
SH-ORIG Modeling J[HCHO->H+HCO]
Flight Height (m)
J[HCHO->H+HCO] (1/s)
Altitude (m)
TIME (GMT)

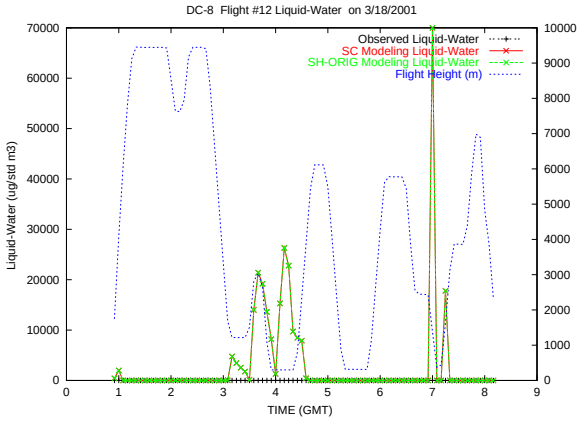

DC-8 Flight #11 J[HCHO->H2+CO] on 3/17/2001
Observed J[HCHO->H2+CO]
SC Modeling J[HCHO->H2+CO]
SH-ORIG Modeling J[HCHO->H2+CO]
Flight Height (m)
J[HCHO->H2+CO] (1/s)
Altitude (m)
TIME (GMT)

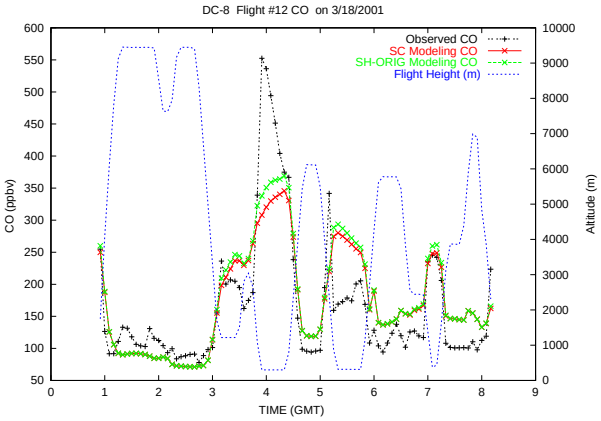

DC-8 Flight #11 J[CH3CHO->CH3+HCO] on 3/17/2001
Observed J[CH3CHO->CH3+HCO]
SC Modeling J[CH3CHO->CH3+HCO]
SH-ORIG Modeling J[CH3CHO->CH3+HCO]
Flight Height (m)
J[CH3CHO->CH3+HCO] (1/s)
Altitude (m)
TIME (GMT)

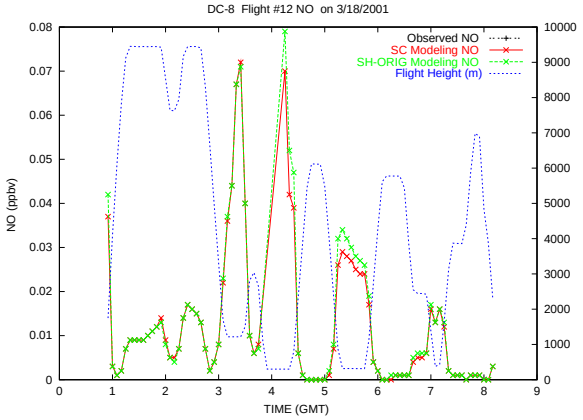

DC-8 Flight #11 J-Acetone on 3/17/2001
Observed J-Acetone
SC Modeling J-Acetone
SH-ORIG Modeling J-Acetone
Flight Height (m)
J-Acetone (1/s)
Altitude (m)
TIME (GMT)

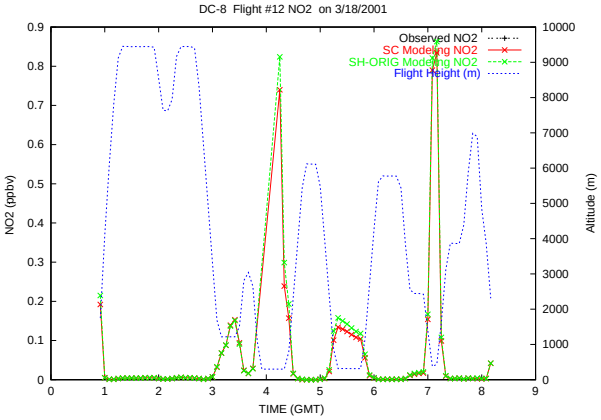

DC-8 Flight #12 O3 on 3/18/2001
Observed O3
SC Modeling O3
SH-ORIG Modeling O3
Flight Height (m)
O3 (ppbv)
Altitude (m)
TIME (GMT)

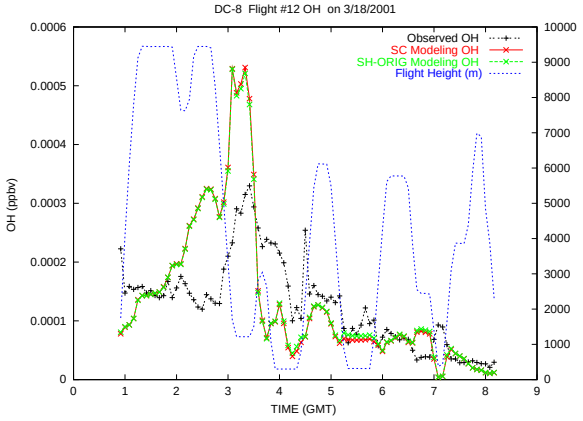

DC-8 Flight #12 H2O on 3/18/2001
Observed H2O
SC Modeling H2O
SH-ORIG Modeling H2O
Flight Height (m)
H2O (ppbv)
Altitude (m)
TIME (GMT)

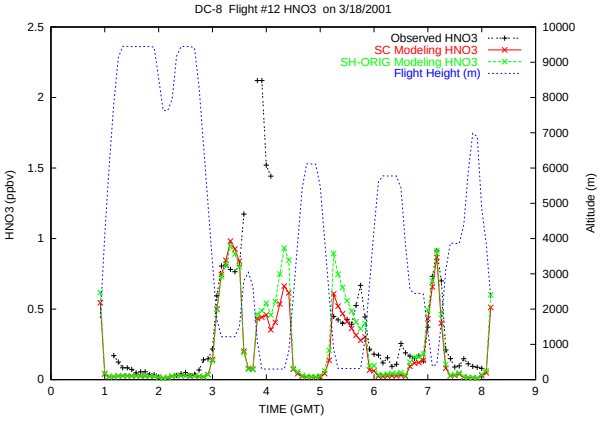

DC-8 Flight #12 Liquid-Water on 3/18/2001
Observed Liquid-Water
SC Modeling Liquid-Water
SH-ORIG Modeling Liquid-Water
Flight Height (m)
Liquid-Water (ug/std m3)
Altitude (m)
TIME (GMT)

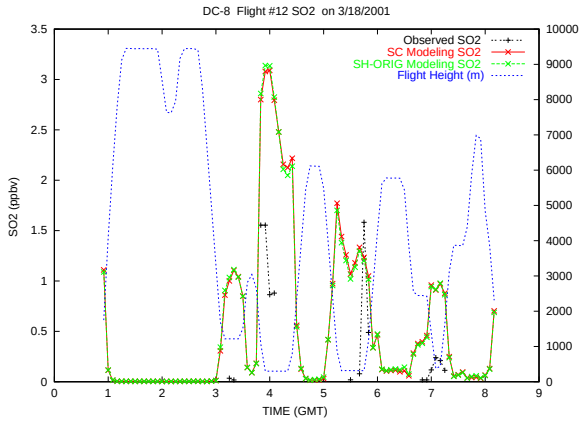

DC-8 Flight #12 CO on 3/18/2001
Observed CO
SC Modeling CO
SH-ORIG Modeling CO
Flight Height (m)
CO (ppbv)
Altitude (m)
TIME (GMT)

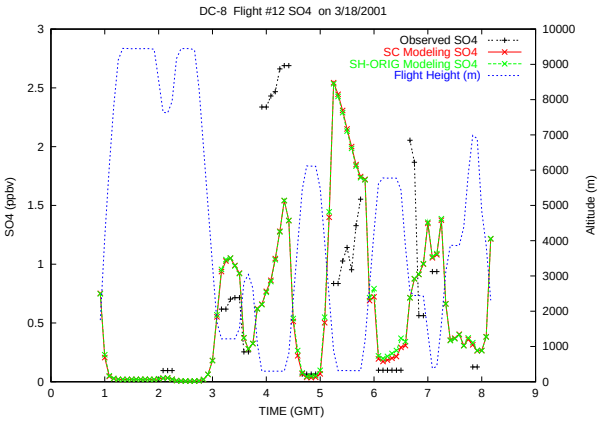

DC-8 Flight #12 NO on 3/18/2001
Observed NO
SC Modeling NO
SH-ORIG Modeling NO
Flight Height (m)
NO (ppbv)
Altitude (m)
TIME (GMT)

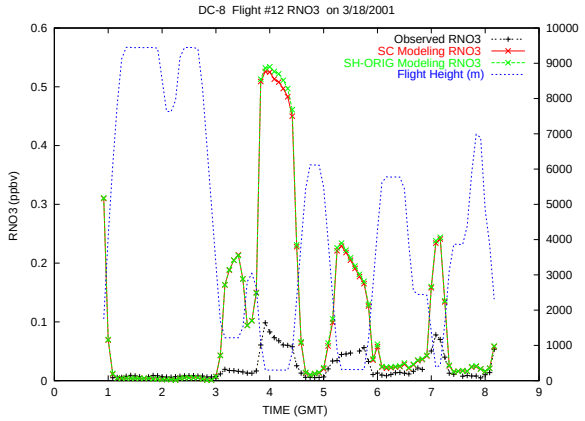

DC-8 Flight #12 NO2 on 3/18/2001
Observed NO2
SC Modeling NO2
SH-ORIG Modeling NO2
Flight Height (m)
NO2 (ppbv)
Altitude (m)
TIME (GMT)

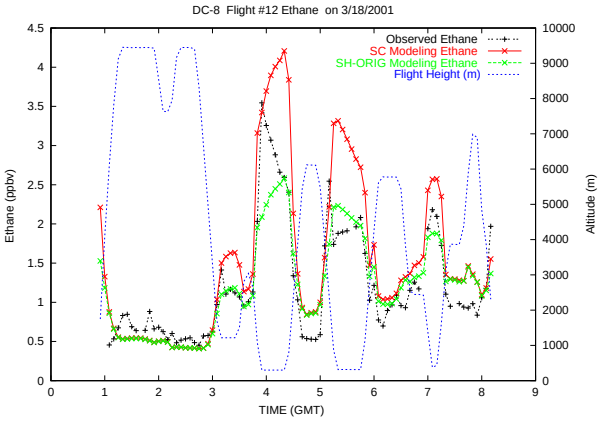

DC-8 Flight #12 OH on 3/18/2001
Observed OH
SC Modeling OH
SH-ORIG Modeling OH
Flight Height (m)
OH (pptv)
Altitude (m)
TIME (GMT)

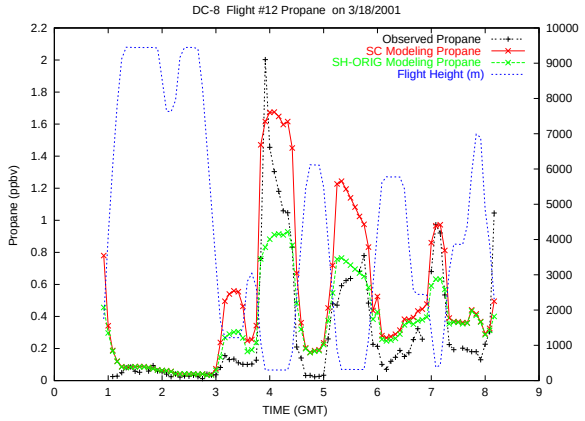

DC-8 Flight #12 HNO3 on 3/18/2001
Observed HNO3
SC Modeling HNO3
SH-ORIG Modeling HNO3
Flight Height (m)
HNO3 (ppbv)
Altitude (m)
TIME (GMT)

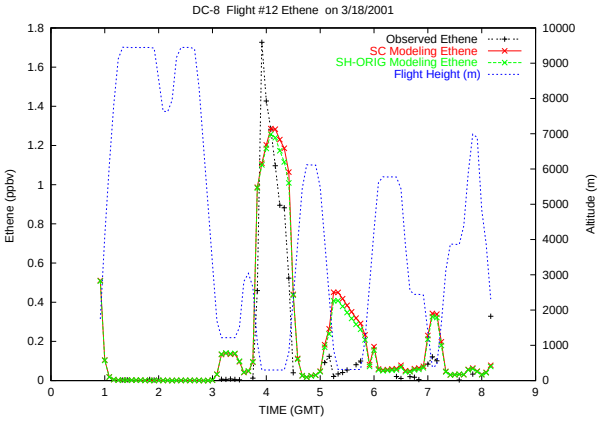

DC-8 Flight #12 SO2 on 3/18/2001
Observed SO2
SC Modeling SO2
SH-ORIG Modeling SO2
Flight Height (m)
SO2 (ppbv)
Altitude (m)
TIME (GMT)

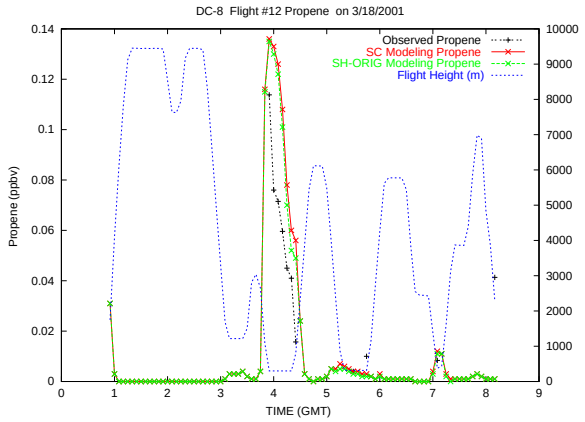

DC-8 Flight #12 SO4 on 3/18/2001
Observed SO4
SC Modeling SO4
SH-ORIG Modeling SO4
Flight Height (m)
SO4 (ppbv)
Altitude (m)
TIME (GMT)

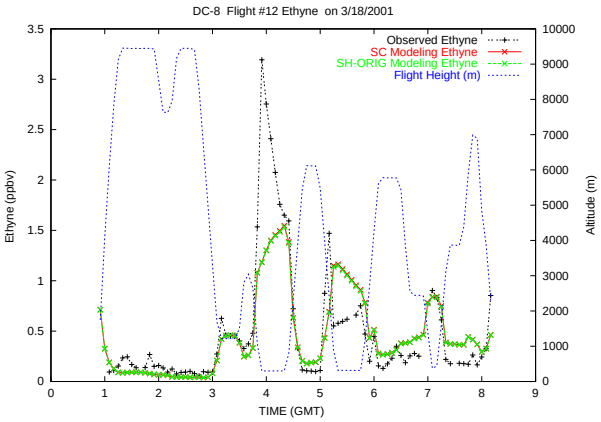

DC-8 Flight #12 RNO3 on 3/18/2001
Observed RNO3
SC Modeling RNO3
SH-ORIG Modeling RNO3
Flight Height (m)
RNO3 (ppbv)
Altitude (m)
TIME (GMT)

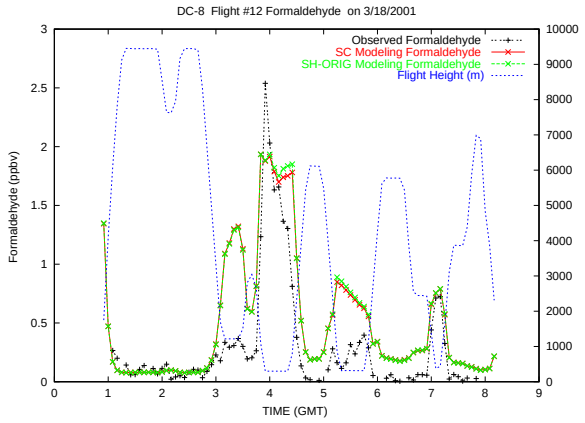

DC-8 Flight #12 Ethane on 3/18/2001
Observed Ethane
SC Modeling Ethane
SH-ORIG Modeling Ethane
Flight Height (m)
Ethane (ppbv)
Altitude (m)
TIME (GMT)

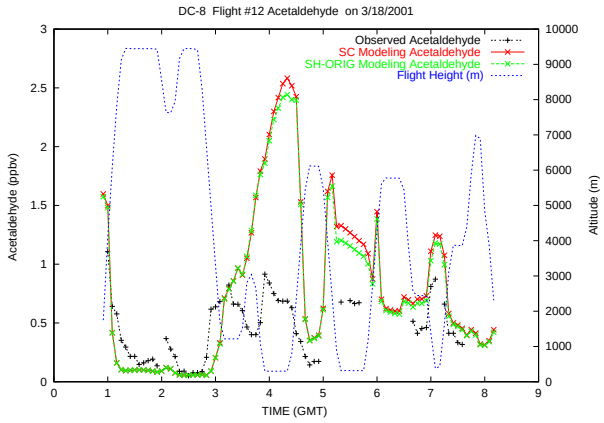

DC-8 Flight #12 Propane on 3/18/2001
Observed Propane
SC Modeling Propane
SH-ORIG Modeling Propane
Flight Height (m)
Propane (ppbv)
Altitude (m)
TIME (GMT)

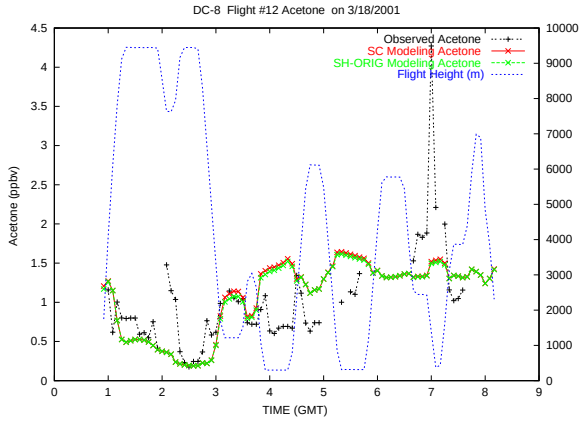

DC-8 Flight #12 Ethene on 3/18/2001
Observed Ethene
SC Modeling Ethene
SH-ORIG Modeling Ethene
Flight Height (m)
Ethene (ppbv)
Altitude (m)
TIME (GMT)

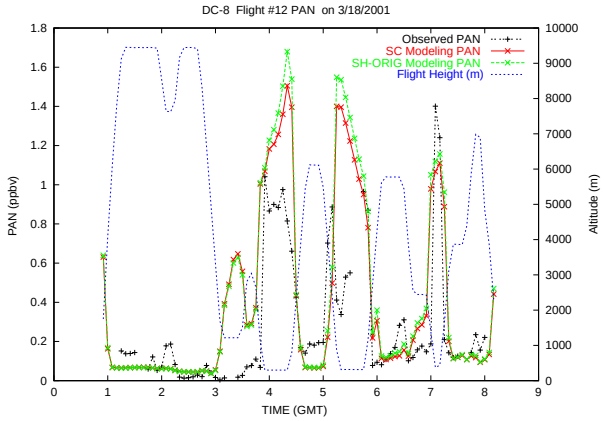

DC-8 Flight #12 Propene on 3/18/2001
Observed Propene
SC Modeling Propene
SH-ORIG Modeling Propene
Flight Height (m)
Propene (ppbv)
Altitude (m)
TIME (GMT)

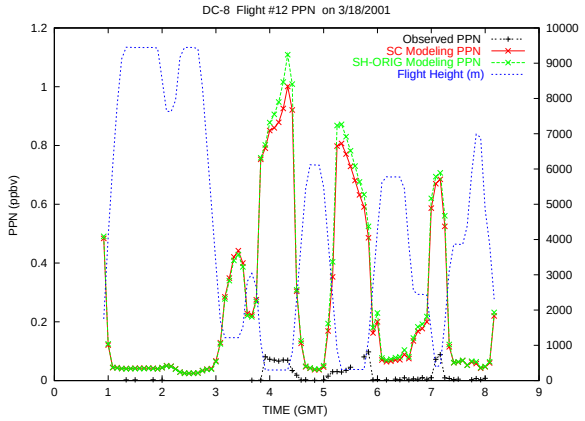

DC-8 Flight #12 Ethyne on 3/18/2001
Observed Ethyne
SC Modeling Ethyne
SH-ORIG Modeling Ethyne
Flight Height (m)
Ethyne (ppbv)
Altitude (m)
TIME (GMT)

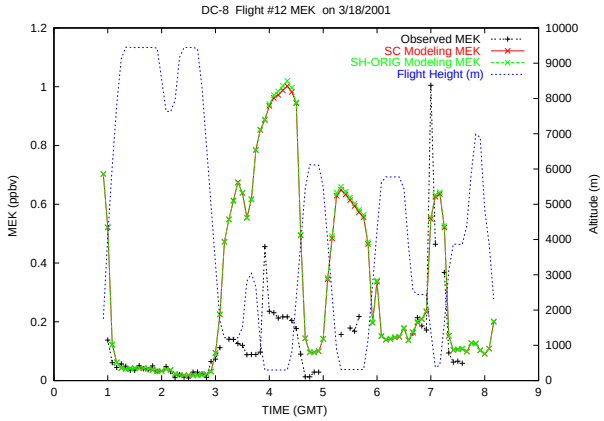

DC-8 Flight #12 Formaldehyde on 3/18/2001
Observed Formaldehyde
SC Modeling Formaldehyde
SH-ORIG Modeling Formaldehyde
Flight Height (m)
Formaldehyde (ppbv)
Altitude (m)
TIME (GMT)

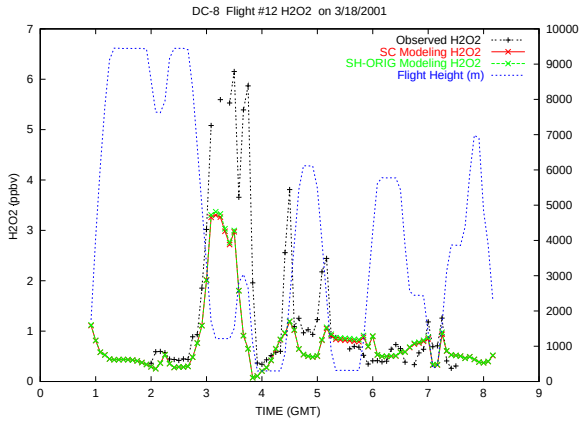

DC-8 Flight #12 Acetaldehyde on 3/18/2001
Observed Acetaldehyde
SC Modeling Acetaldehyde
SH-ORIG Modeling Acetaldehyde
Flight Height (m)
Acetaldehyde (ppbv)
Altitude (m)
TIME (GMT)

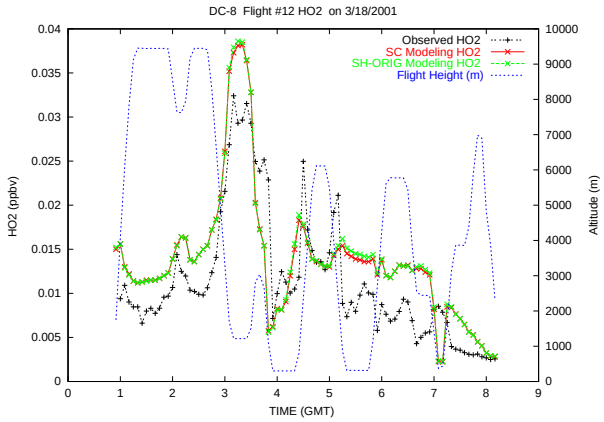

DC-8 Flight #12 Acetone on 3/18/2001
Observed Acetone
SC Modeling Acetone
SH-ORIG Modeling Acetone
Flight Height (m)
Acetone (ppbv)
Altitude (m)
TIME (GMT)

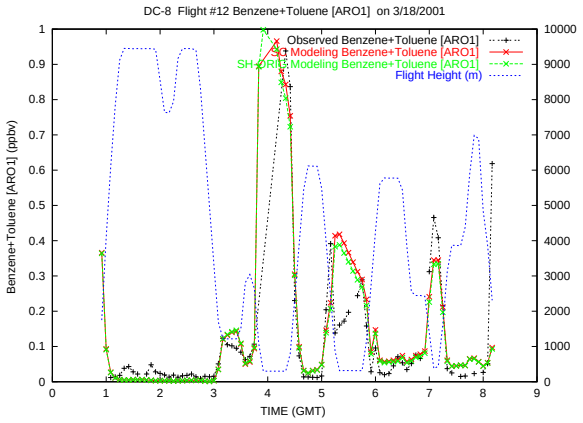

DC-8 Flight #12 PAN on 3/18/2001
Observed PAN
SC Modeling PAN
SH-ORIG Modeling PAN
Flight Height (m)
PAN (ppbv)
Altitude (m)
TIME (GMT)

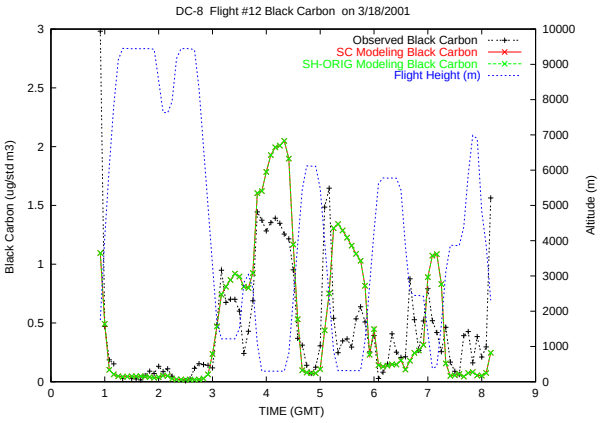

DC-8 Flight #12 PPN on 3/18/2001
Observed PPN
SC Modeling PPN
SH-ORIG Modeling PPN
Flight Height (m)
PPN (ppbv)
Altitude (m)
TIME (GMT)

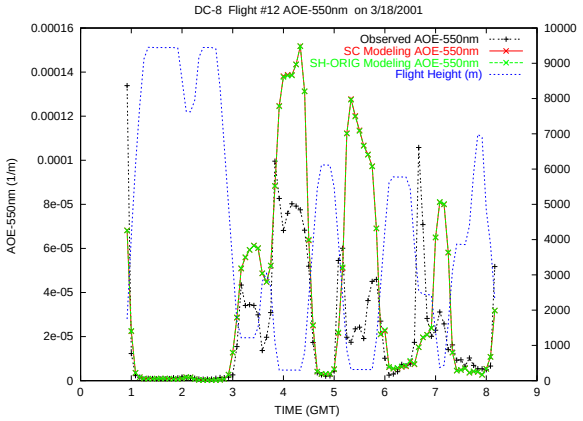

DC-8 Flight #12 MEK on 3/18/2001
Observed MEK
SC Modeling MEK
SH-ORIG Modeling MEK
Flight Height (m)
MEK (ppbv)
Altitude (m)
TIME (GMT)

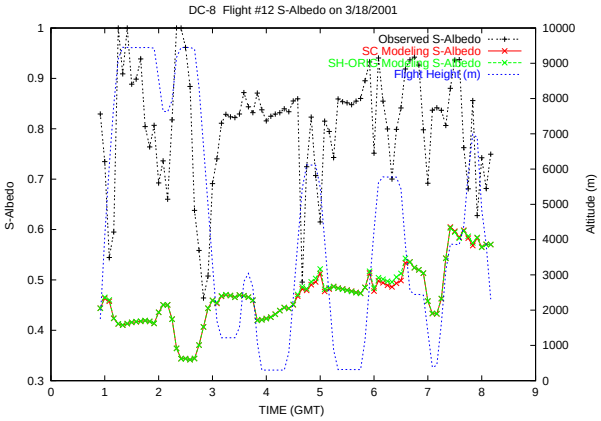

DC-8 Flight #12 H2O2 on 3/18/2001
Observed H2O2
SC Modeling H2O2
SH-ORIG Modeling H2O2
Flight Height (m)
H2O2 (ppbv)
Altitude (m)
TIME (GMT)

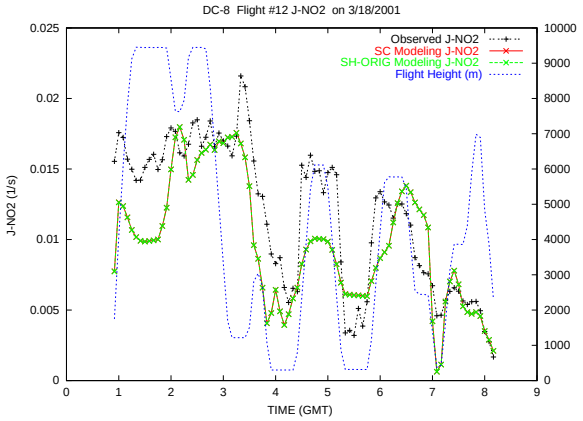

DC-8 Flight #12 HO2 on 3/18/2001
Observed HO2
SC Modeling HO2
SH-ORIG Modeling HO2
Flight Height (m)
HO2 (ppbv)
Altitude (m)
TIME (GMT)

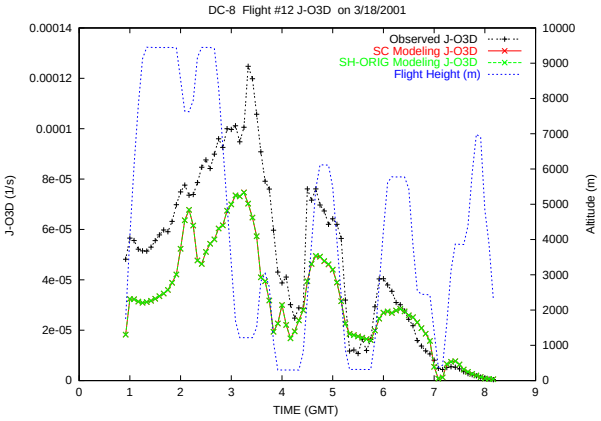

DC-8 Flight #12 Benzene+Toluene [ARO1] on 3/18/2001
Observed Benzene+Toluene [ARO1]
SC Modeling Benzene+Toluene [ARO1]
SH-ORIG Modeling Benzene+Toluene [ARO1]
Flight Height (m)
Benzene+Toluene [ARO1] (pptv)
Altitude (m)
TIME (GMT)

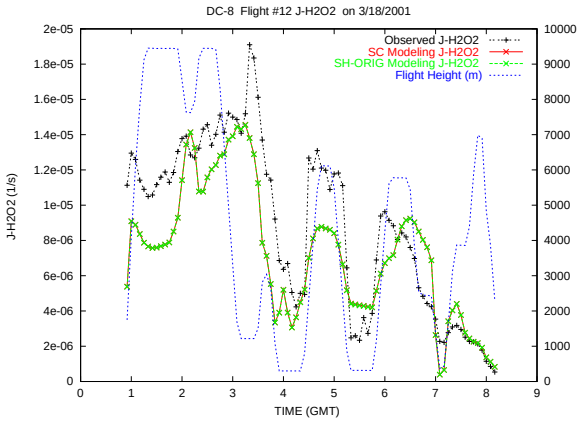

DC-8 Flight #12 Black Carbon on 3/18/2001
Observed Black Carbon
SC Modeling Black Carbon
SH-ORIG Modeling Black Carbon
Flight Height (m)
Black Carbon (ug/std m3)
Altitude (m)
TIME (GMT)

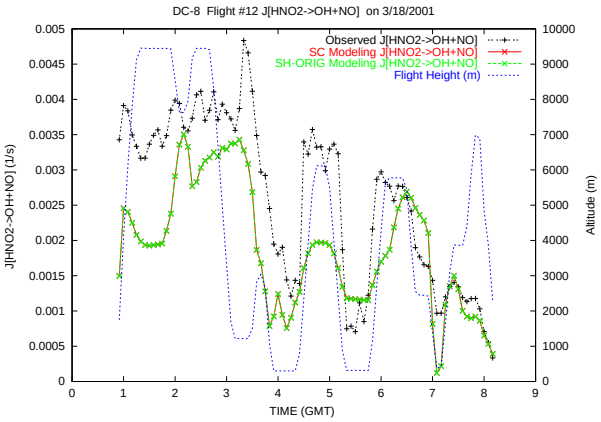

DC-8 Flight #12 AOE-550nm on 3/18/2001
Observed AOE-550nm
SC Modeling AOE-550nm
SH-ORIG Modeling AOE-550nm
Flight Height (m)
AOE-550nm (1/m)
Altitude (m)
TIME (GMT)

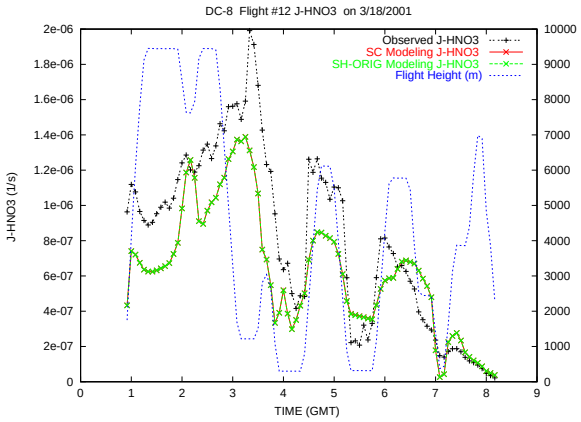

DC-8 Flight #12 S-Albedo on 3/18/2001
Observed S-Albedo
SC Modeling S-Albedo
SH-ORIG Modeling S-Albedo
Flight Height (m)
S-Albedo
Altitude (m)
TIME (GMT)

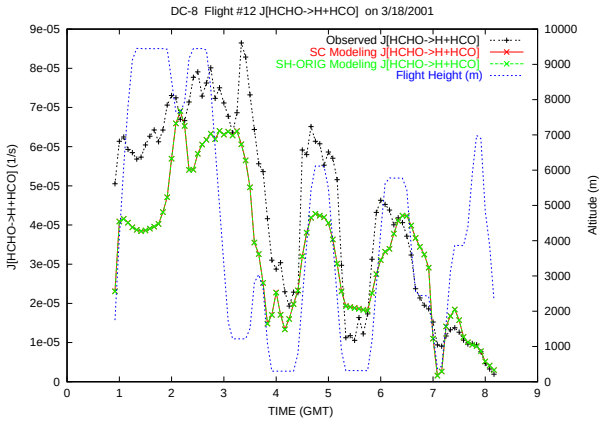

DC-8 Flight #12 J-NO2 on 3/18/2001
Observed J-NO2
SC Modeling J-NO2
SH-ORIG Modeling J-NO2
Flight Height (m)
J-NO2 (1/s)
Altitude (m)
TIME (GMT)

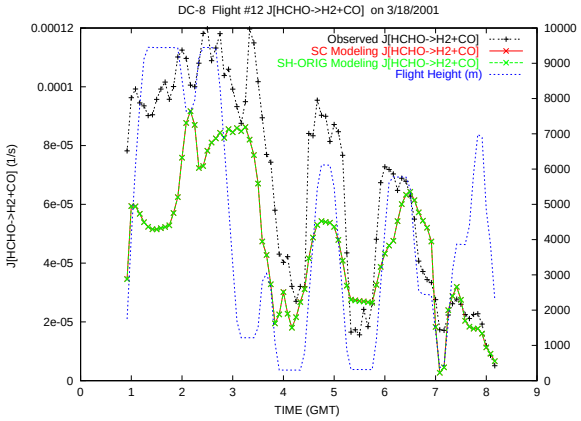

DC-8 Flight #12 J-O3D on 3/18/2001
Observed J-O3D
SC Modeling J-O3D
SH-ORIG Modeling J-O3D
Flight Height (m)
J-O3D (1/s)
Altitude (m)
TIME (GMT)

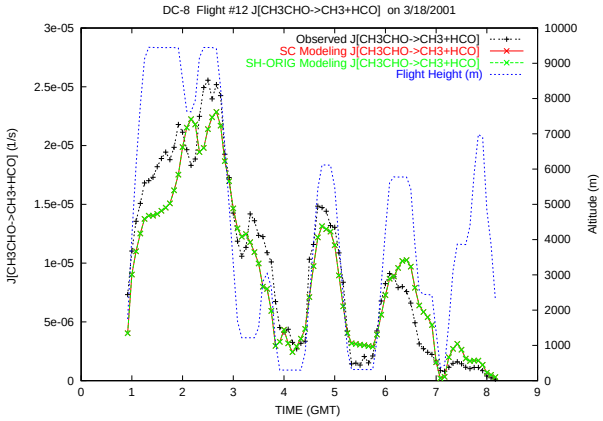

DC-8 Flight #12 J-H2O2 on 3/18/2001
Observed J-H2O2
SC Modeling J-H2O2
SH-ORIG Modeling J-H2O2
Flight Height (m)
J-H2O2 (1/s)
Altitude (m)
TIME (GMT)

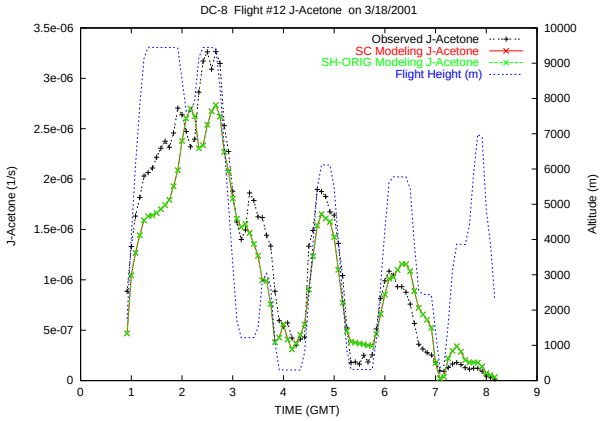

DC-8 Flight #12 J[HNO2->OH+NO] on 3/18/2001
Observed J[HNO2->OH+NO]
SC Modeling J[HNO2->OH+NO]
SH-ORIG Modeling J[HNO2->OH+NO]
Flight Height (m)
J[HNO2->OH+NO] (1/s)
Altitude (m)
TIME (GMT)

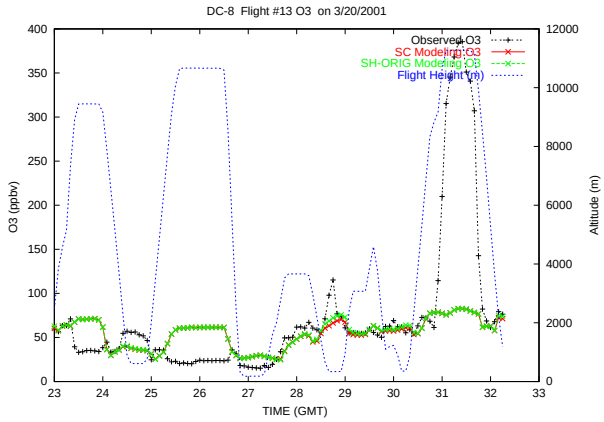

DC-8 Flight #12 J-HNO3 on 3/18/2001
Observed J-HNO3
SC Modeling J-HNO3
SH-ORIG Modeling J-HNO3
Flight Height (m)
J-HNO3 (1/s)
Altitude (m)
TIME (GMT)

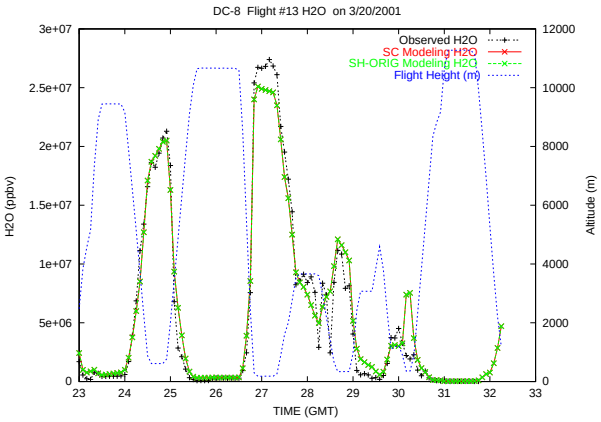

DC-8 Flight #12 J[HCHO->H+HCO] on 3/18/2001
Observed J[HCHO->H+HCO]
SC Modeling J[HCHO->H+HCO]
SH-ORIG Modeling J[HCHO->H+HCO]
Flight Height (m)
J[HCHO->H+HCO] (1/s)
Altitude (m)
TIME (GMT)

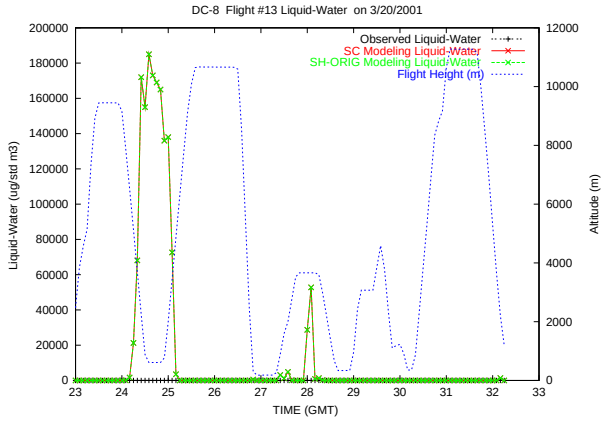

DC-8 Flight #12 J[HCHO->H2+CO] on 3/18/2001
Observed J[HCHO->H2+CO]
SC Modeling J[HCHO->H2+CO]
SH-ORIG Modeling J[HCHO->H2+CO]
Flight Height (m)
J[HCHO->H2+CO] (1/s)
Altitude (m)
TIME (GMT)

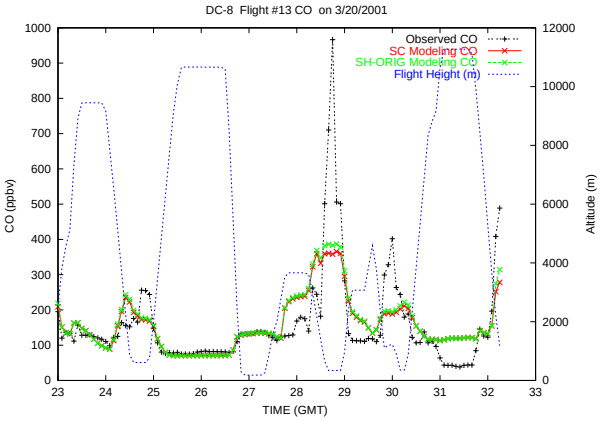

DC-8 Flight #12 J[CH3CHO->CH3+HCO] on 3/18/2001
Observed J[CH3CHO->CH3+HCO]
SC Modeling J[CH3CHO->CH3+HCO]
SH-ORIG Modeling J[CH3CHO->CH3+HCO]
Flight Height (m)
J[CH3CHO->CH3+HCO] (1/s)
Altitude (m)
TIME (GMT)

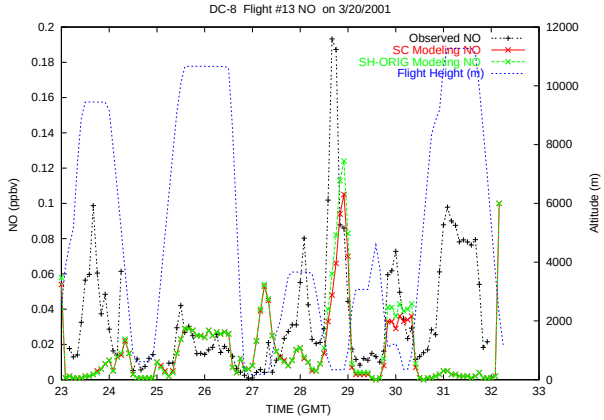

DC-8 Flight #12 J-Acetone on 3/18/2001
Observed J-Acetone
SC Modeling J-Acetone
SH-ORIG Modeling J-Acetone
Flight Height (m)
J-Acetone (1/s)
Altitude (m)
TIME (GMT)

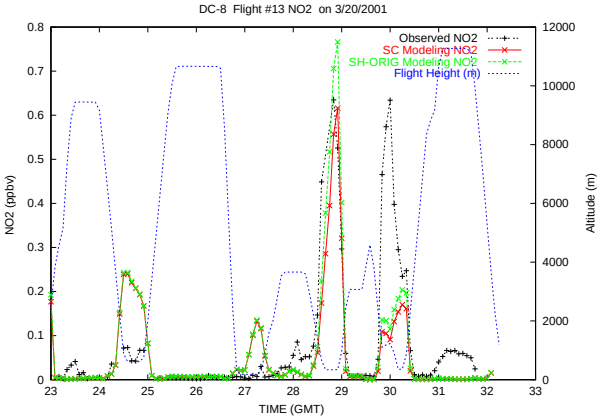

DC-8 Flight #13 O3 on 3/20/2001
Observed O3
SC Modeling O3
SH-ORIG Modeling O3
Flight Height (m)
O3 (ppbv)
Altitude (m)
TIME (GMT)

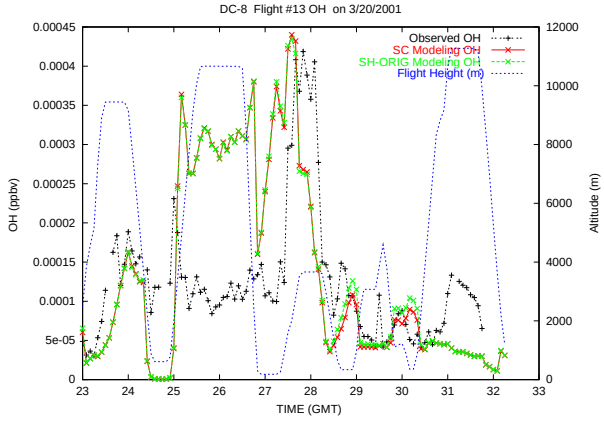

DC-8 Flight #13 H2O on 3/20/2001
Observed H2O
SC Modeling H2O
SH-ORIG Modeling H2O
Flight Height (m)
H2O (ppbv)
Altitude (m)
TIME (GMT)

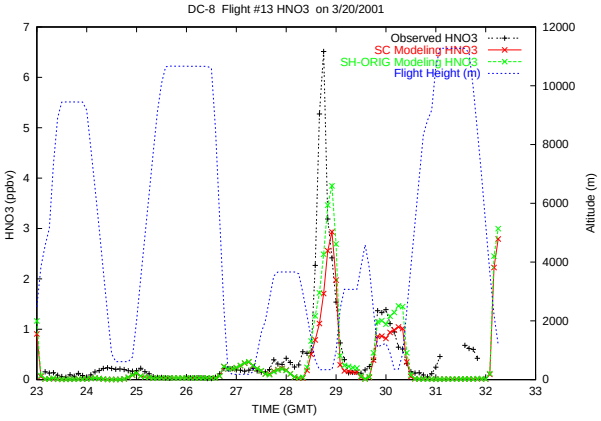

DC-8 Flight #13 Liquid-Water on 3/20/2001
Observed Liquid-Water
SC Modeling Liquid-Water
SH-ORIG Modeling Liquid-Water
Flight Height (m)
Liquid-Water (ug/std m3)
Altitude (m)
TIME (GMT)

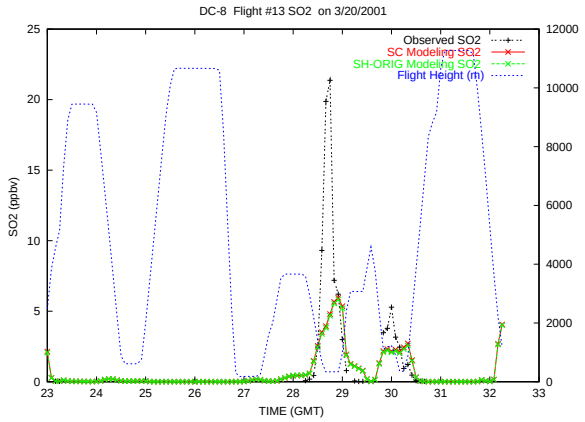

DC-8 Flight #13 CO on 3/20/2001
Observed CO
SC Modeling CO
SH-ORIG Modeling CO
Flight Height (m)
CO (ppbv)
Altitude (m)
TIME (GMT)

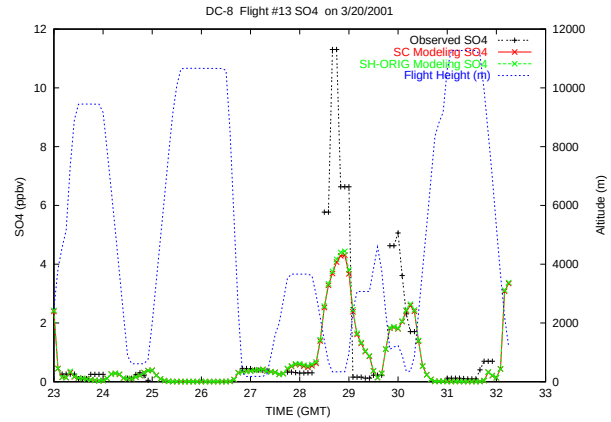

DC-8 Flight #13 NO on 3/20/2001
Observed NO
SC Modeling NO
SH-ORIG Modeling NO
Flight Height (m)
NO (ppbv)
Altitude (m)
TIME (GMT)

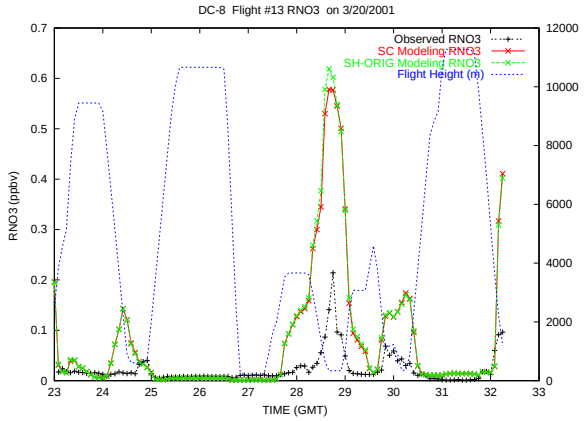

DC-8 Flight #13 NO2 on 3/20/2001
Observed NO2
SC Modeling NO2
SH-ORIG Modeling NO2
Flight Height (m)
NO2 (ppbv)
Altitude (m)
TIME (GMT)

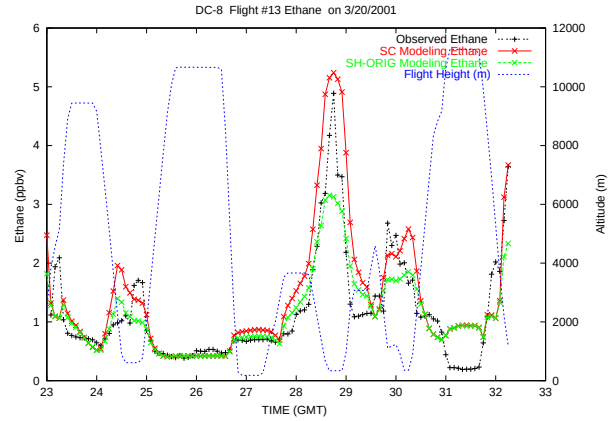

DC-8 Flight #13 OH on 3/20/2001
Observed OH
SC Modeling OH
SH-ORIG Modeling OH
Flight Height (m)
OH (pptv)
Altitude (m)
TIME (GMT)

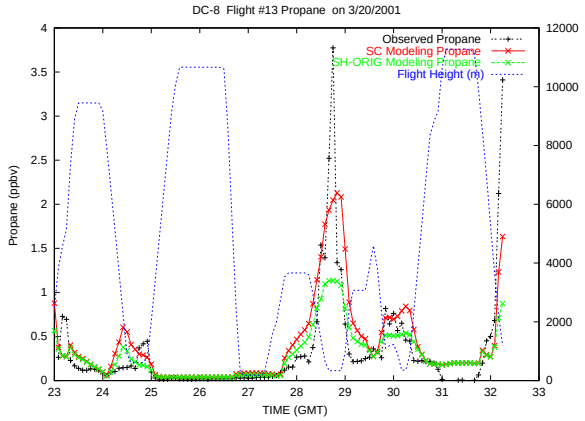

DC-8 Flight #13 HNO3 on 3/20/2001
Observed HNO3
SC Modeling HNO3
SH-ORIG Modeling HNO3
Flight Height (m)
HNO3 (ppbv)
Altitude (m)
TIME (GMT)

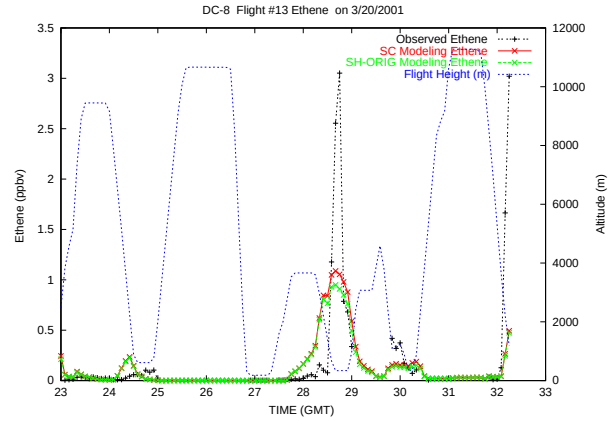

DC-8 Flight #13 SO2 on 3/20/2001
Observed SO2
SC Modeling SO2
SH-ORIG Modeling SO2
Flight Height (m)
SO2 (ppbv)
Altitude (m)
TIME (GMT)

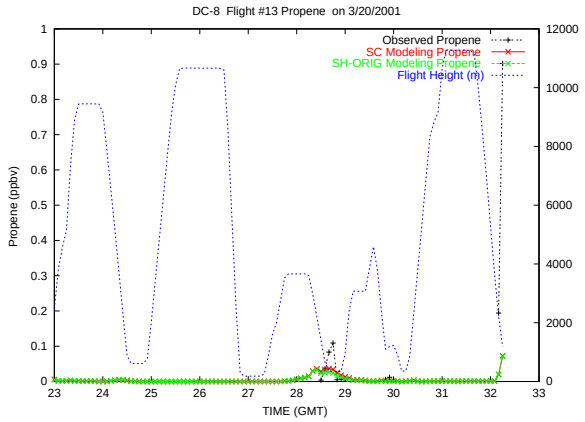

DC-8 Flight #13 SO4 on 3/20/2001
Observed SO4
SC Modeling SO4
SH-ORIG Modeling SO4
Flight Height (m)
SO4 (ppbv)
Altitude (m)
TIME (GMT)

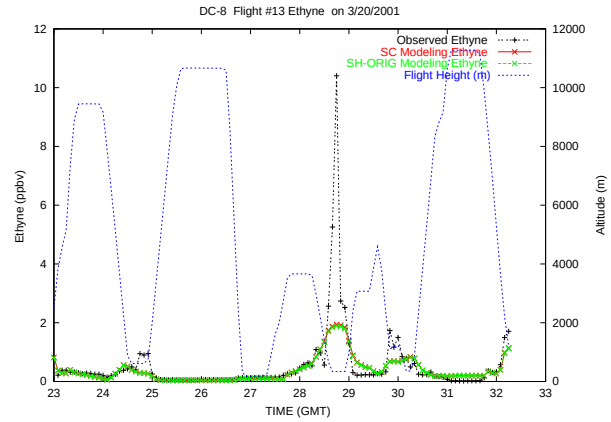

DC-8 Flight #13 RNO3 on 3/20/2001
Observed RNO3
SC Modeling RNO3
SH-ORIG Modeling RNO3
Flight Height (m)
RNO3 (ppbv)
Altitude (m)
TIME (GMT)

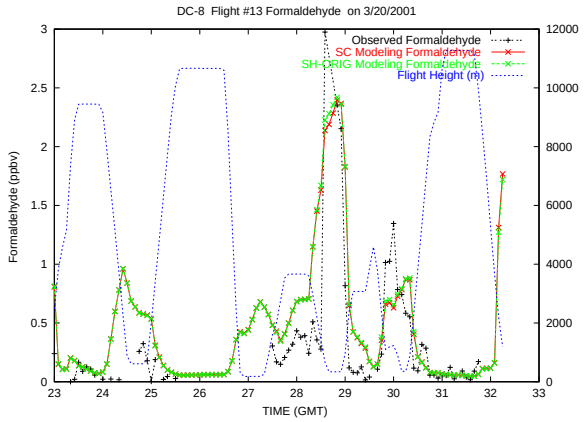

DC-8 Flight #13 Ethane on 3/20/2001
Observed Ethane
SC Modeling Ethane
SH-ORIG Modeling Ethane
Flight Height (m)
Ethane (ppbv)
Altitude (m)
TIME (GMT)

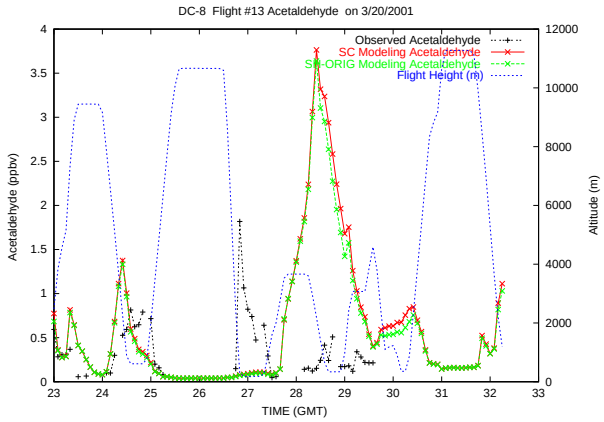

DC-8 Flight #13 Propane on 3/20/2001
Observed Propane
SC Modeling Propane
SH-ORIG Modeling Propane
Flight Height (m)
Propane (ppbv)
Altitude (m)
TIME (GMT)

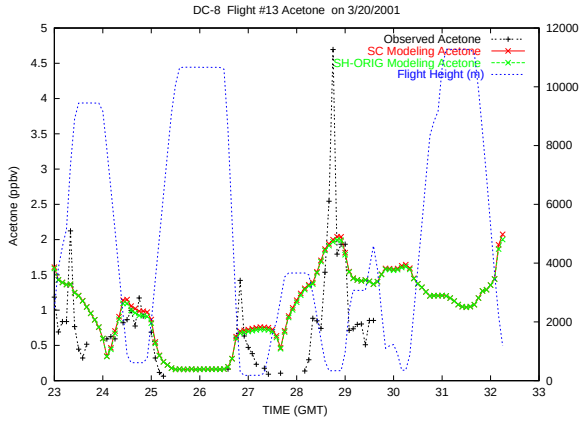

DC-8 Flight #13 Ethene on 3/20/2001
Observed Ethene
SC Modeling Ethene
SH-ORIG Modeling Ethene
Flight Height (m)
Ethene (ppbv)
Altitude (m)
TIME (GMT)

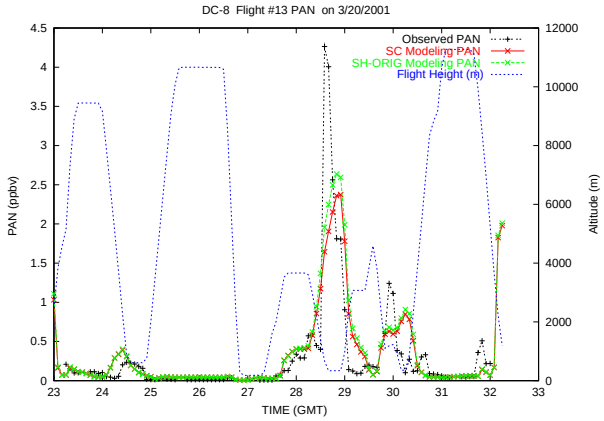

DC-8 Flight #13 Propene on 3/20/2001
Observed Propene
SC Modeling Propene
SH-ORIG Modeling Propene
Flight Height (m)
Propene (ppbv)
Altitude (m)
TIME (GMT)

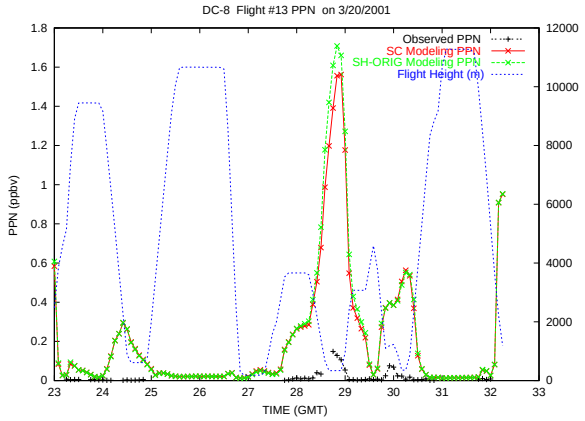

DC-8 Flight #13 Ethyne on 3/20/2001
Observed Ethyne
SC Modeling Ethyne
SH-ORIG Modeling Ethyne
Flight Height (m)
Ethyne (ppbv)
Altitude (m)
TIME (GMT)

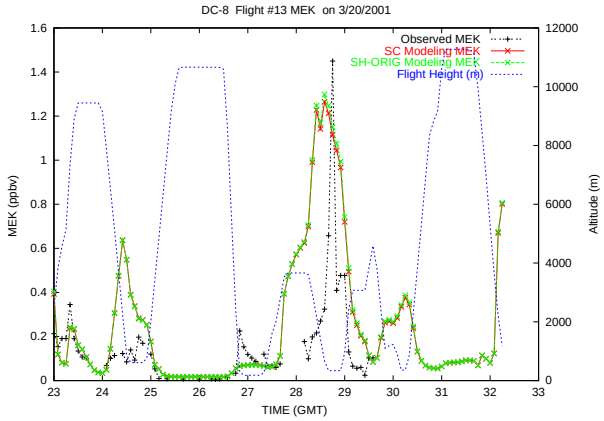

DC-8 Flight #13 Formaldehyde on 3/20/2001
Observed Formaldehyde
SC Modeling Formaldehyde
SH-ORIG Modeling Formaldehyde
Flight Height (m)
Formaldehyde (ppbv)
Altitude (m)
TIME (GMT)

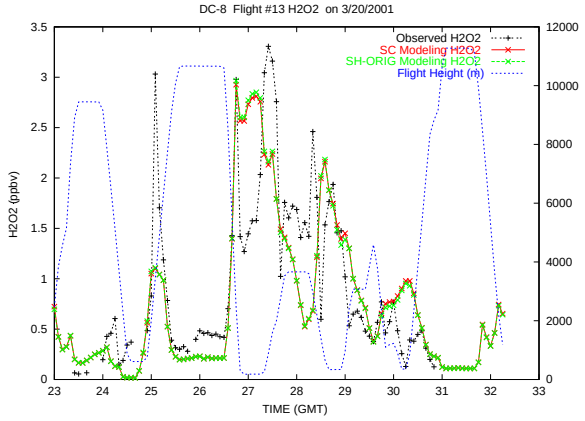

DC-8 Flight #13 Acetaldehyde on 3/20/2001
Observed Acetaldehyde
SC Modeling Acetaldehyde
SH-ORIG Modeling Acetaldehyde
Flight Height (m)
Acetaldehyde (ppbv)
Altitude (m)
TIME (GMT)

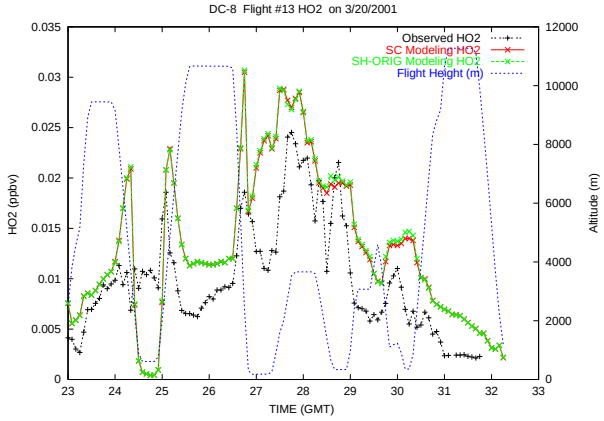

DC-8 Flight #13 Acetone on 3/20/2001
Observed Acetone
SC Modeling Acetone
SH-ORIG Modeling Acetone
Flight Height (m)
Acetone (ppbv)
Altitude (m)
TIME (GMT)

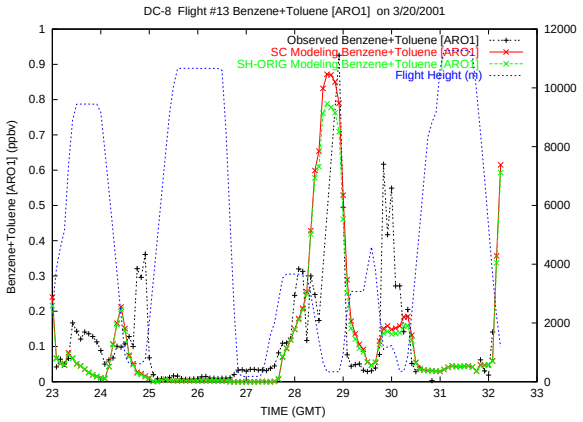

DC-8 Flight #13 PAN on 3/20/2001
Observed PAN
SC Modeling PAN
SH-ORIG Modeling PAN
Flight Height (m)
PAN (ppbv)
Altitude (m)
TIME (GMT)

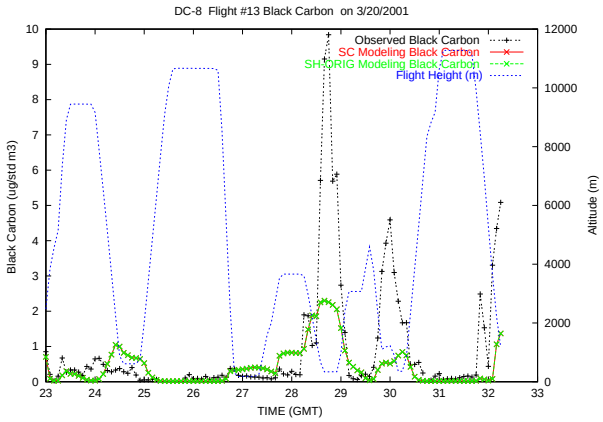

DC-8 Flight #13 PPN on 3/20/2001
Observed PPN
SC Modeling PPN
SH-ORIG Modeling PPN
Flight Height (m)
PPN (ppbv)
Altitude (m)
TIME (GMT)

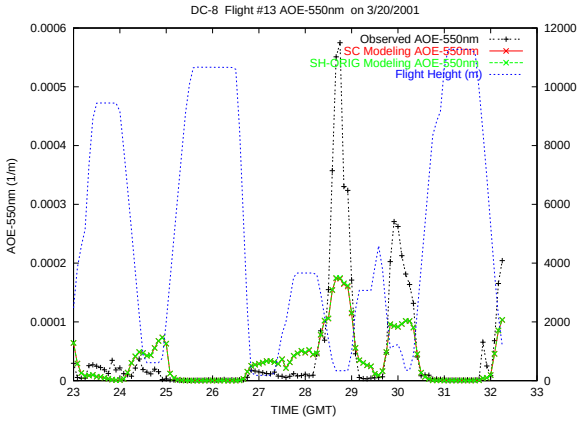

DC-8 Flight #13 MEK on 3/20/2001
Observed MEK
SC Modeling MEK
SH-ORIG Modeling MEK
Flight Height (m)
MEK (ppbv)
Altitude (m)
TIME (GMT)

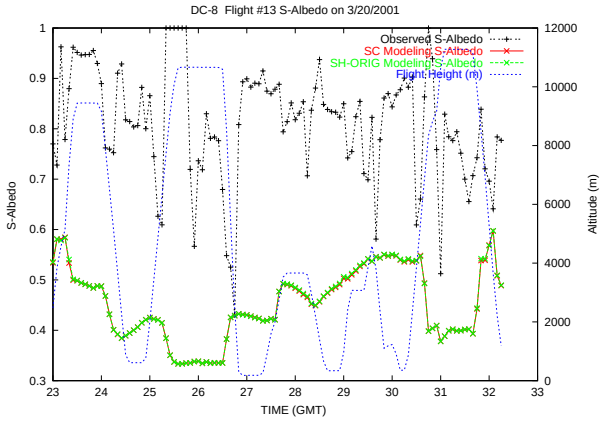

DC-8 Flight #13 H2O2 on 3/20/2001
Observed H2O2
SC Modeling H2O2
SH-ORIG Modeling H2O2
Flight Height (m)
H2O2 (ppbv)
Altitude (m)
TIME (GMT)

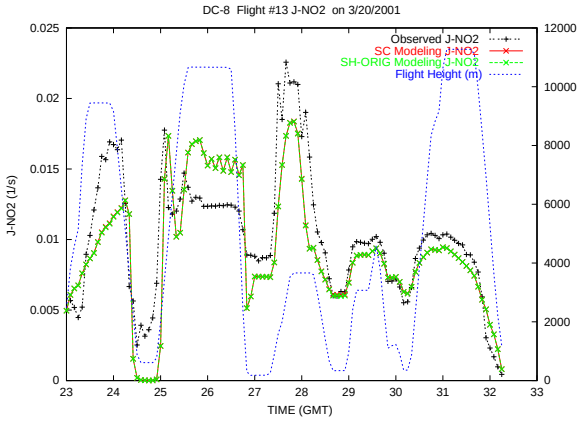

DC-8 Flight #13 HO2 on 3/20/2001
Observed HO2
SC Modeling HO2
SH-ORIG Modeling HO2
Flight Height (m)
HO2 (ppbv)
Altitude (m)
TIME (GMT)

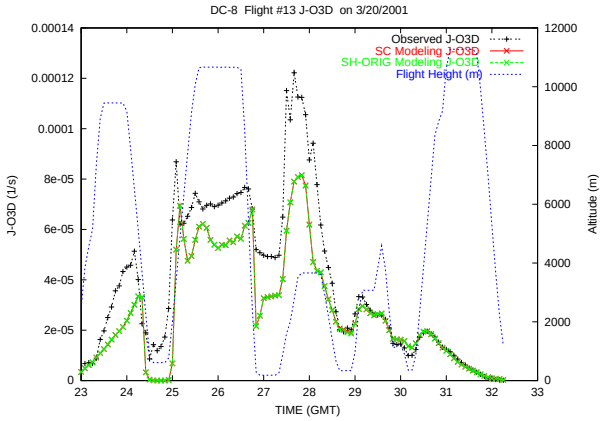

DC-8 Flight #13 Benzene+Toluene [ARO1] on 3/20/2001
Observed Benzene+Toluene [ARO1]
SC Modeling Benzene+Toluene [ARO1]
SH-ORIG Modeling Benzene+Toluene [ARO1]
Flight Height (m)
Benzene+Toluene [ARO1] (pptv)
Altitude (m)
TIME (GMT)

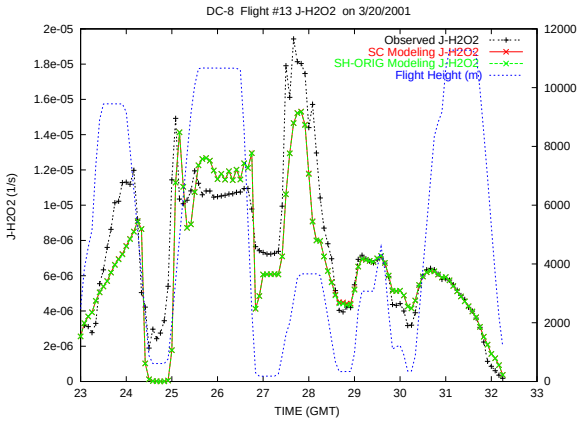

DC-8 Flight #13 Black Carbon on 3/20/2001
Observed Black Carbon
SC Modeling Black Carbon
SH-ORIG Modeling Black Carbon
Flight Height (m)
Black Carbon (ug/std m3)
Altitude (m)
TIME (GMT)

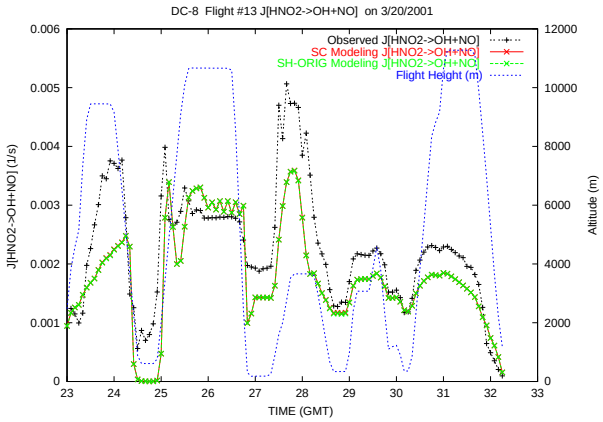

DC-8 Flight #13 AOE-550nm on 3/20/2001
Observed AOE-550nm
SC Modeling AOE-550nm
SH-ORIG Modeling AOE-550nm
Flight Height (m)
AOE-550nm (1/m)
Altitude (m)
TIME (GMT)

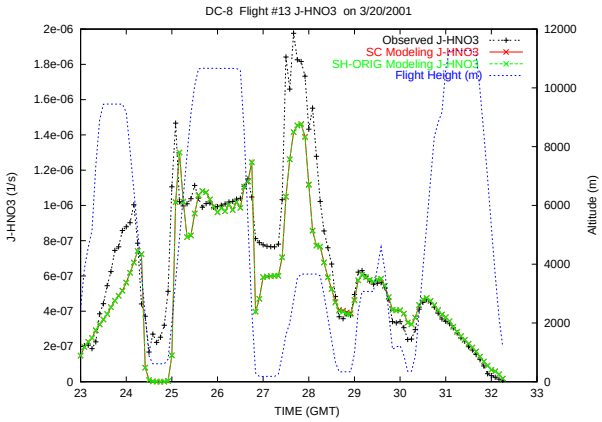

DC-8 Flight #13 S-Albedo on 3/20/2001
Observed S-Albedo
SC Modeling S-Albedo
SH-ORIG Modeling S-Albedo
Flight Height (m)
S-Albedo
Altitude (m)
TIME (GMT)

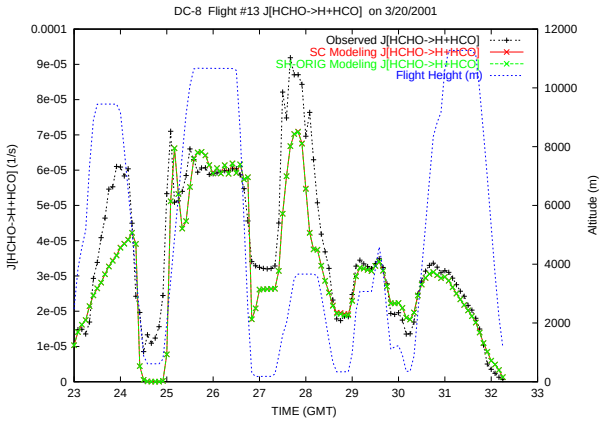

DC-8 Flight #13 J-NO2 on 3/20/2001
Observed J-NO2
SC Modeling J-NO2
SH-ORIG Modeling J-NO2
Flight Height (m)
J-NO2 (1/s)
Altitude (m)
TIME (GMT)

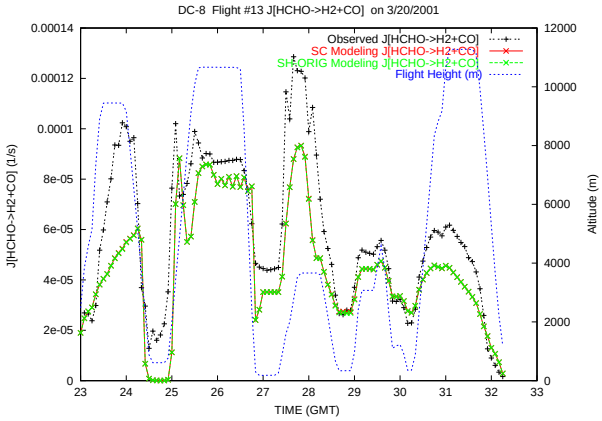

DC-8 Flight #13 J-O3D on 3/20/2001
Observed J-O3D
SC Modeling J-O3D
SH-ORIG Modeling J-O3D
Flight Height (m)
J-O3D (1/s)
Altitude (m)
TIME (GMT)

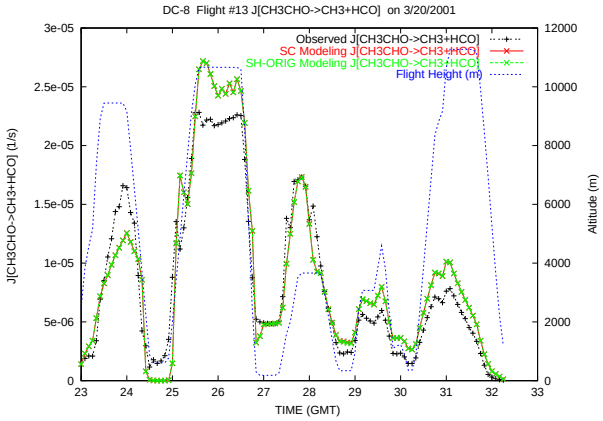

DC-8 Flight #13 J-H2O2 on 3/20/2001
Observed J-H2O2
SC Modeling J-H2O2
SH-ORIG Modeling J-H2O2
Flight Height (m)
J-H2O2 (1/s)
Altitude (m)
TIME (GMT)

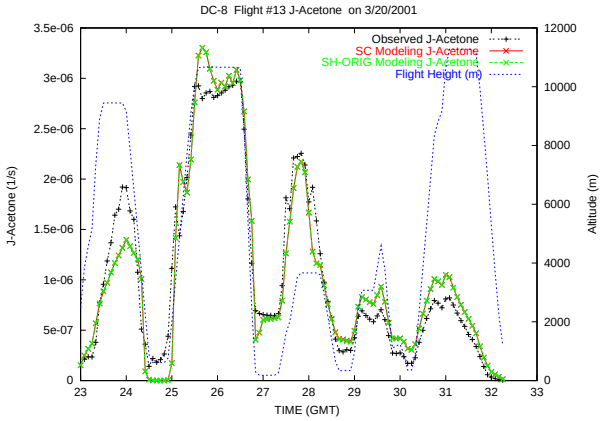

DC-8 Flight #13 J[HNO2->OH+NO] on 3/20/2001
Observed J[HNO2->OH+NO]
SC Modeling J[HNO2->OH+NO]
SH-ORIG Modeling J[HNO2->OH+NO]
Flight Height (m)
J[HNO2->OH+NO] (1/s)
Altitude (m)
TIME (GMT)

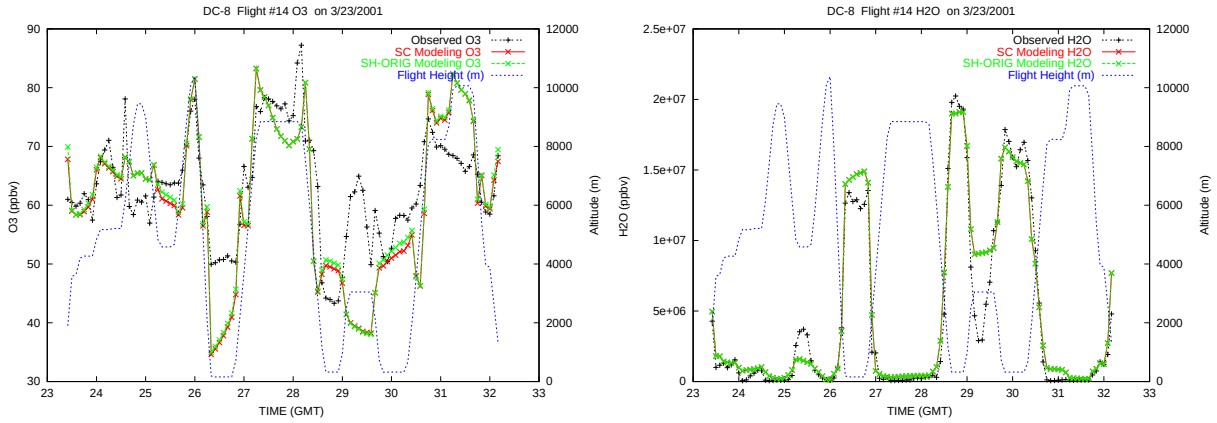

DC-8 Flight #13 J-HNO3 on 3/20/2001
Observed J-HNO3
SC Modeling J-HNO3
SH-ORIG Modeling J-HNO3
Flight Height (m)
J-HNO3 (1/s)
Altitude (m)
TIME (GMT)


DC-8 Flight #13 J[HCHO->H+HCO] on 3/20/2001
Observed J[HCHO->H+HCO]
SC Modeling J[HCHO->H+HCO]
SH-ORIG Modeling J[HCHO->H+HCO]
Flight Height (m)
J[HCHO->H+HCO] (1/s)
Altitude (m)
TIME (GMT)

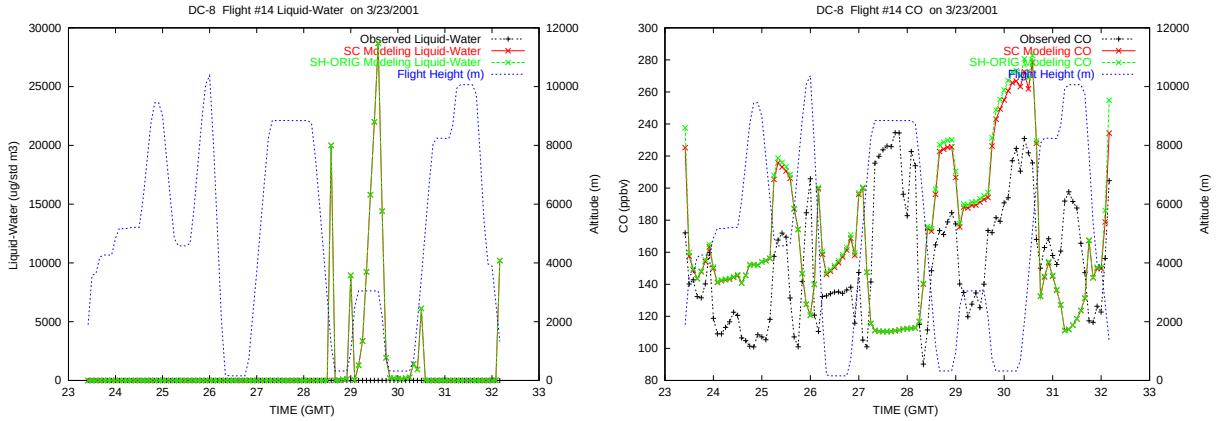

DC-8 Flight #13 J[HCHO->H2+CO] on 3/20/2001
Observed J[HCHO->H2+CO]
SC Modeling J[HCHO->H2+CO]
SH-ORIG Modeling J[HCHO->H2+CO]
Flight Height (m)
J[HCHO->H2+CO] (1/s)
Altitude (m)
TIME (GMT)


DC-8 Flight #13 J[CH3CHO->CH3+HCO] on 3/20/2001
Observed J[CH3CHO->CH3+HCO]
SC Modeling J[CH3CHO->CH3+HCO]
SH-ORIG Modeling J[CH3CHO->CH3+HCO]
Flight Height (m)
J[CH3CHO->CH3+HCO] (1/s)
Altitude (m)
TIME (GMT)

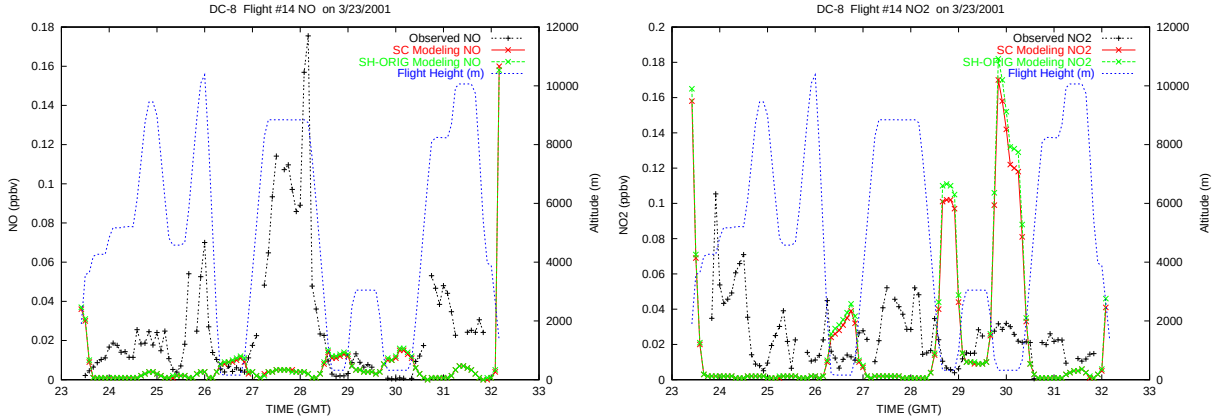

DC-8 Flight #13 J-Acetone on 3/20/2001
Observed J-Acetone
SC Modeling J-Acetone
SH-ORIG Modeling J-Acetone
Flight Height (m)
J-Acetone (1/s)
Altitude (m)
TIME (GMT)


DC-8 Flight #14 O3 on 3/23/2001
Observed O3
SC Modeling O3
SH-ORIG Modeling O3
Flight Height (m)
O3 (ppbv)
Altitude (m)
TIME (GMT)

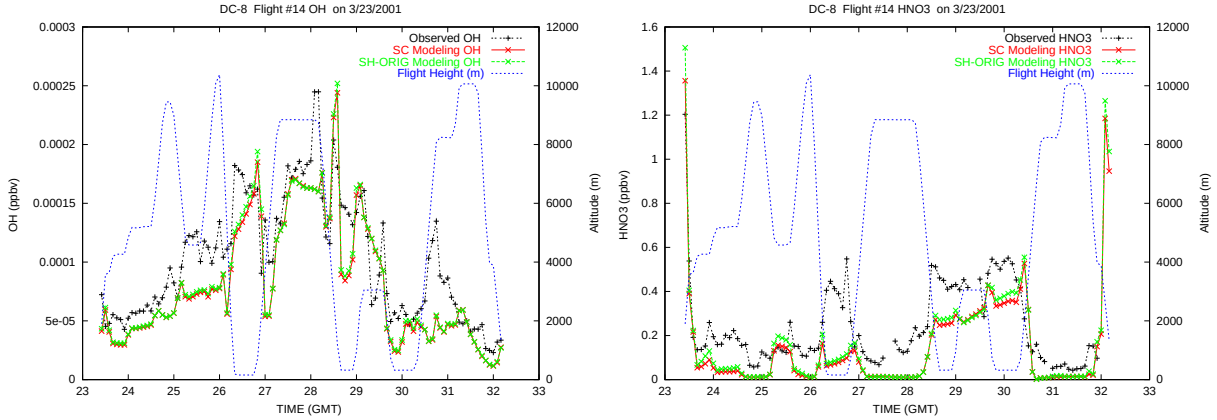
DC-8 Flight #14 H2O on 3/23/2001
Observed H2O
SC Modeling H2O
SH-ORIG Modeling H2O
Flight Height (m)
H2O (ppbv)
Altitude (m)
TIME (GMT)


DC-8 Flight #14 Liquid-Water on 3/23/2001
Observed Liquid-Water
SC Modeling Liquid-Water
SH-ORIG Modeling Liquid-Water
Flight Height (m)
Liquid-Water (ug/std m3)
Altitude (m)
TIME (GMT)

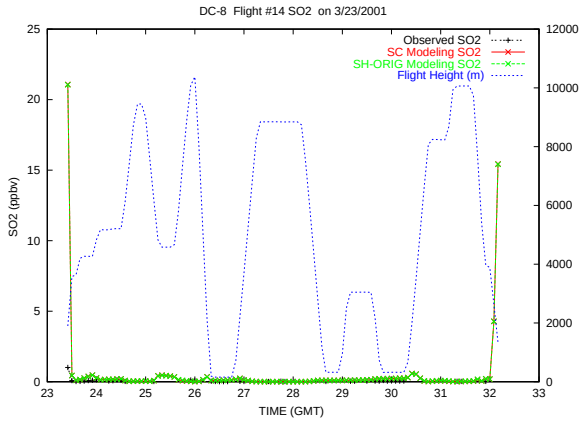
DC-8 Flight #14 CO on 3/23/2001
Observed CO
SC Modeling CO
SH-ORIG Modeling CO
Flight Height (m)
CO (ppbv)
Altitude (m)
TIME (GMT)

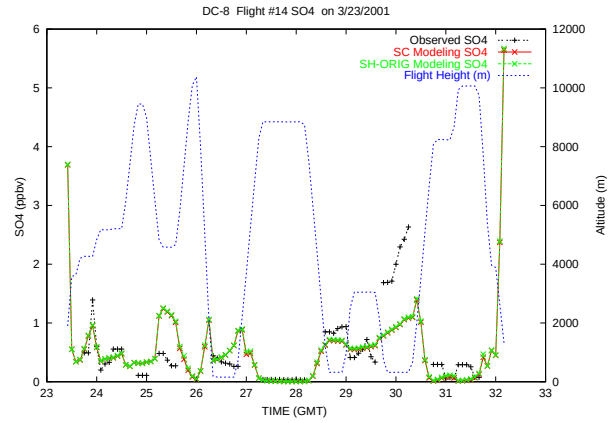

DC-8 Flight #14 NO on 3/23/2001
Observed NO
SC Modeling NO
SH-ORIG Modeling NO
Flight Height (m)
NO (ppbv)
Altitude (m)
TIME (GMT)

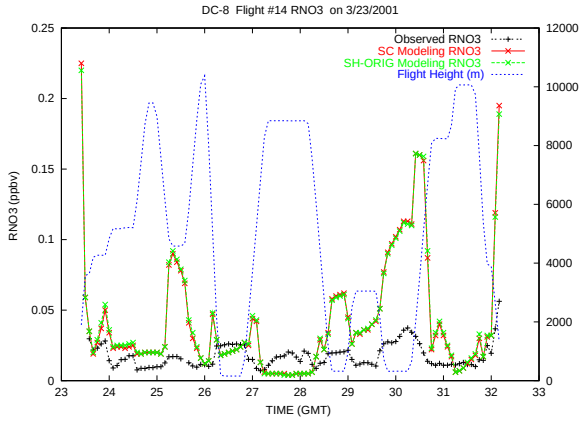
DC-8 Flight #14 NO2 on 3/23/2001
Observed NO2
SC Modeling NO2
SH-ORIG Modeling NO2
Flight Height (m)
NO2 (ppbv)
Altitude (m)
TIME (GMT)

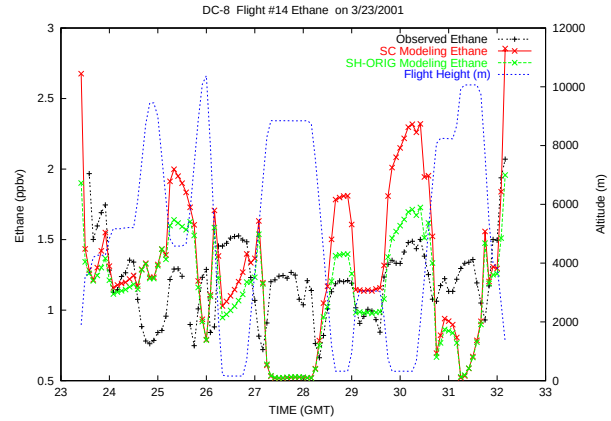

DC-8 Flight #14 OH on 3/23/2001
Observed OH
SC Modeling OH
SH-ORIG Modeling OH
Flight Height (m)
OH (ppbv)
Altitude (m)
TIME (GMT)

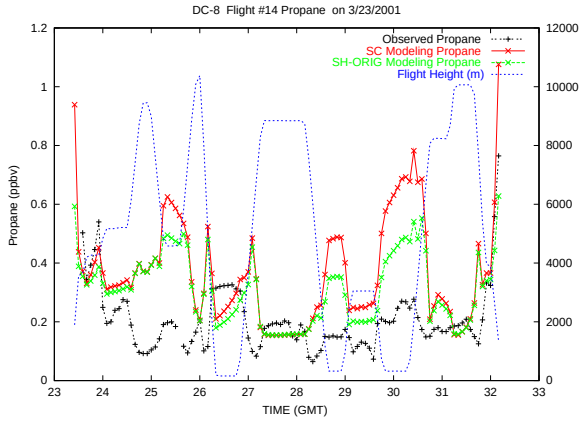
DC-8 Flight #14 HNO3 on 3/23/2001
Observed HNO3
SC Modeling HNO3
SH-ORIG Modeling HNO3
Flight Height (m)
HNO3 (ppbv)
Altitude (m)
TIME (GMT)

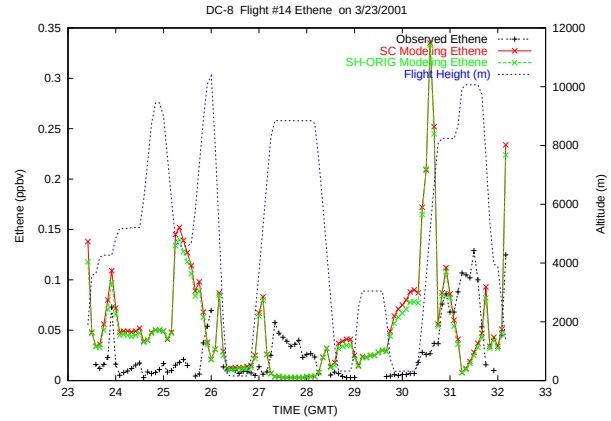

DC-8 Flight #14 SO2 on 3/23/2001
Observed SO2
SC Modeling SO2
SH-ORIG Modeling SO2
Flight Height (m)
SO2 (ppbv)
Altitude (m)
TIME (GMT)

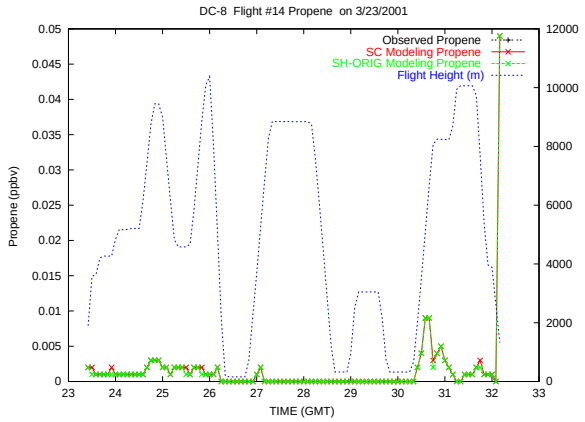

DC-8 Flight #14 SO4 on 3/23/2001
Observed SO4
SC Modeling SO4
SH-ORIG Modeling SO4
Flight Height (m)
SO4 (ppbv)
Altitude (m)
TIME (GMT)

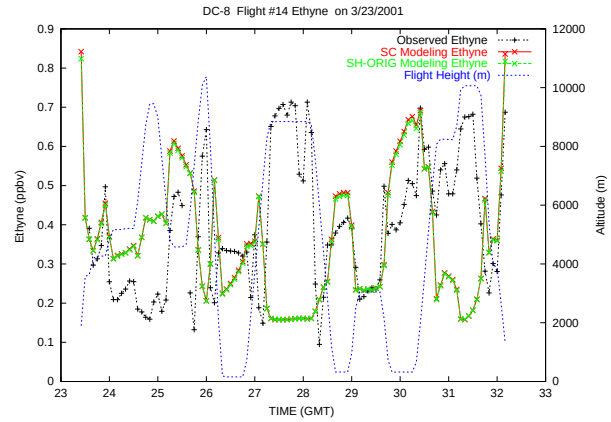

DC-8 Flight #14 RNO3 on 3/23/2001
Observed RNO3
SC Modeling RNO3
SH-ORIG Modeling RNO3
Flight Height (m)
RNO3 (ppbv)
Altitude (m)
TIME (GMT)

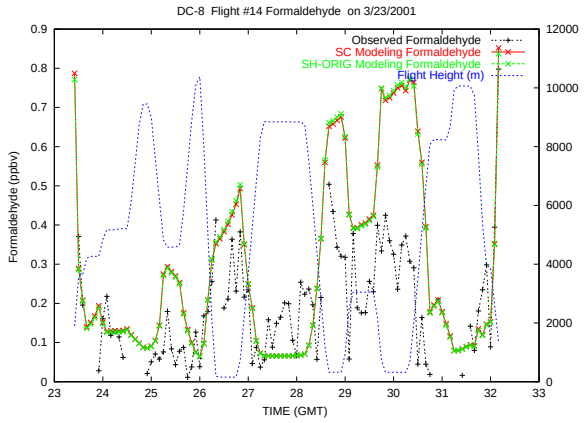

DC-8 Flight #14 Ethane on 3/23/2001
Observed Ethane
SC Modeling Ethane
SH-ORIG Modeling Ethane
Flight Height (m)
Ethane (ppbv)
Altitude (m)
TIME (GMT)

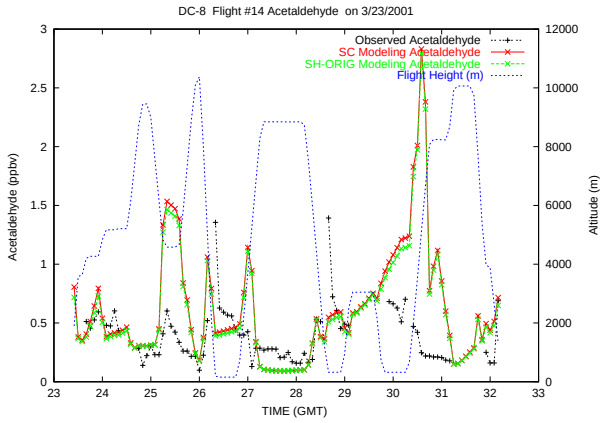

DC-8 Flight #14 Propane on 3/23/2001
Observed Propane
SC Modeling Propane
SH-ORIG Modeling Propane
Flight Height (m)
Propane (ppbv)
Altitude (m)
TIME (GMT)

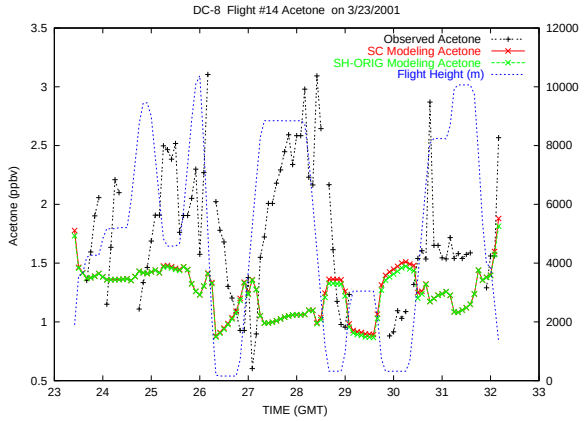

DC-8 Flight #14 Ethene on 3/23/2001
Observed Ethene
SC Modeling Ethene
SH-ORIG Modeling Ethene
Flight Height (m)
Ethene (ppbv)
Altitude (m)
TIME (GMT)

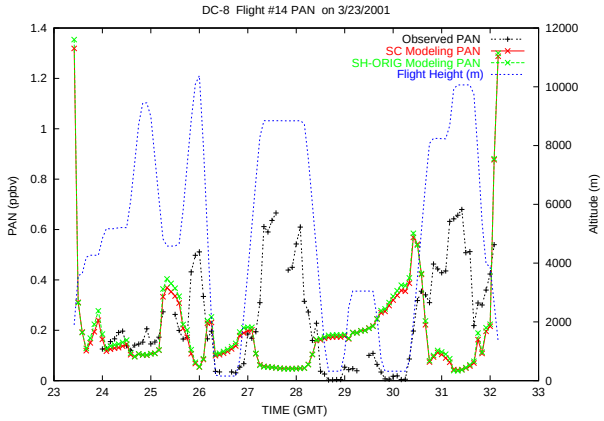

DC-8 Flight #14 Propene on 3/23/2001
Observed Propene
SC Modeling Propene
SH-ORIG Modeling Propene
Flight Height (m)
Propene (ppbv)
Altitude (m)
TIME (GMT)

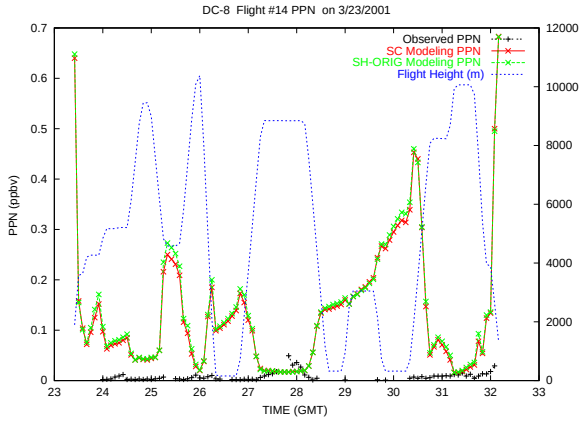

DC-8 Flight #14 Ethyne on 3/23/2001
Observed Ethyne
SC Modeling Ethyne
SH-ORIG Modeling Ethyne
Flight Height (m)
Ethyne (ppbv)
Altitude (m)
TIME (GMT)

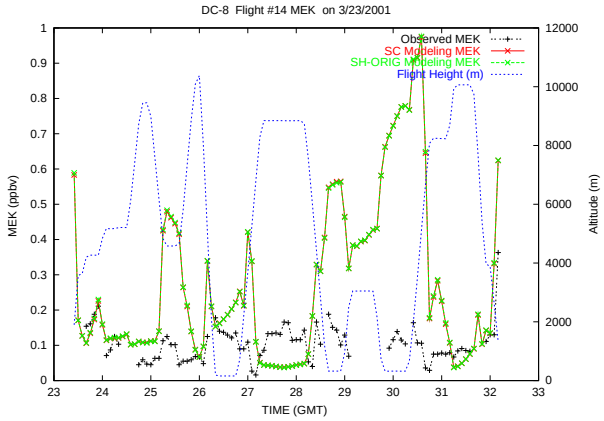

DC-8 Flight #14 Formaldehyde on 3/23/2001
Observed Formaldehyde
SC Modeling Formaldehyde
SH-ORIG Modeling Formaldehyde
Flight Height (m)
Formaldehyde (ppbv)
Altitude (m)
TIME (GMT)

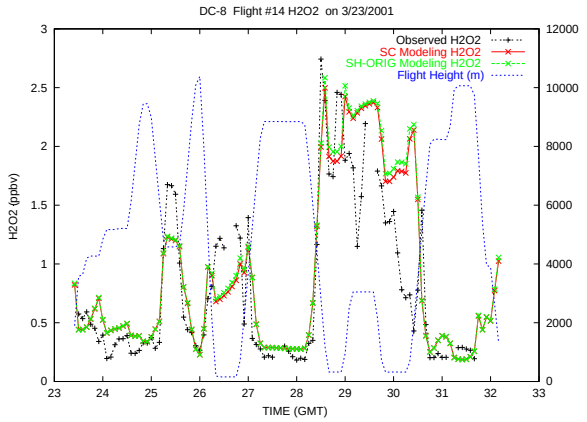

DC-8 Flight #14 Acetaldehyde on 3/23/2001
Observed Acetaldehyde
SC Modeling Acetaldehyde
SH-ORIG Modeling Acetaldehyde
Flight Height (m)
Acetaldehyde (ppbv)
Altitude (m)
TIME (GMT)

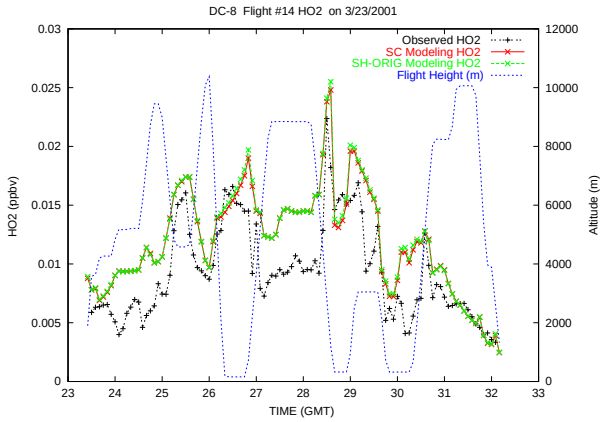

DC-8 Flight #14 Acetone on 3/23/2001
Observed Acetone
SC Modeling Acetone
SH-ORIG Modeling Acetone
Flight Height (m)
Acetone (ppbv)
Altitude (m)
TIME (GMT)

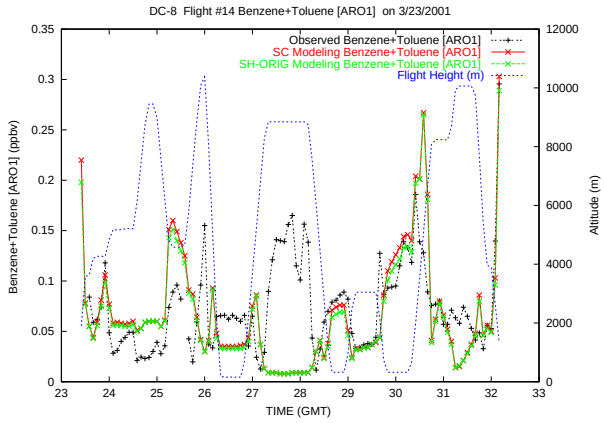

DC-8 Flight #14 PAN on 3/23/2001
Observed PAN
SC Modeling PAN
SH-ORIG Modeling PAN
Flight Height (m)
PAN (ppbv)
Altitude (m)
TIME (GMT)

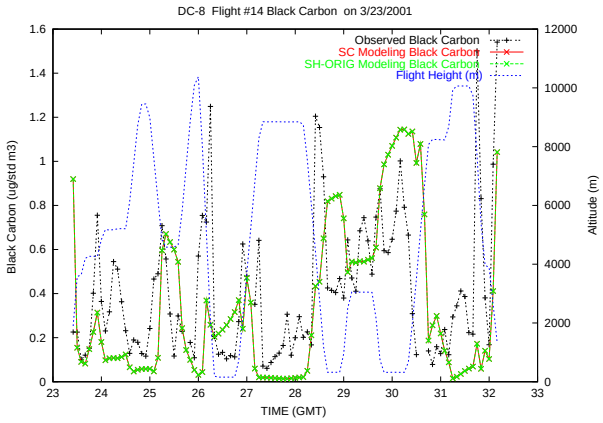

DC-8 Flight #14 PPN on 3/23/2001
Observed PPN
SC Modeling PPN
SH-ORIG Modeling PPN
Flight Height (m)
PPN (ppbv)
Altitude (m)
TIME (GMT)

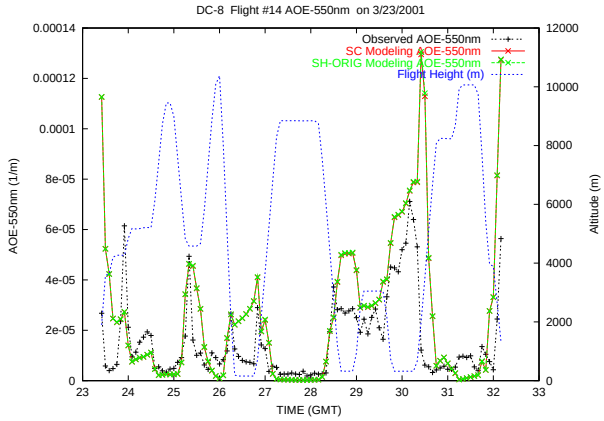

DC-8 Flight #14 MEK on 3/23/2001
Observed MEK
SC Modeling MEK
SH-ORIG Modeling MEK
Flight Height (m)
MEK (ppbv)
Altitude (m)
TIME (GMT)

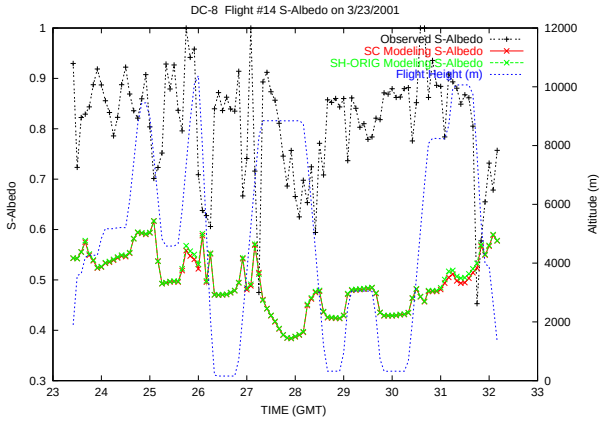

DC-8 Flight #14 H2O2 on 3/23/2001
Observed H2O2
SC Modeling H2O2
SH-ORIG Modeling H2O2
Flight Height (m)
H2O2 (ppbv)
Altitude (m)
TIME (GMT)

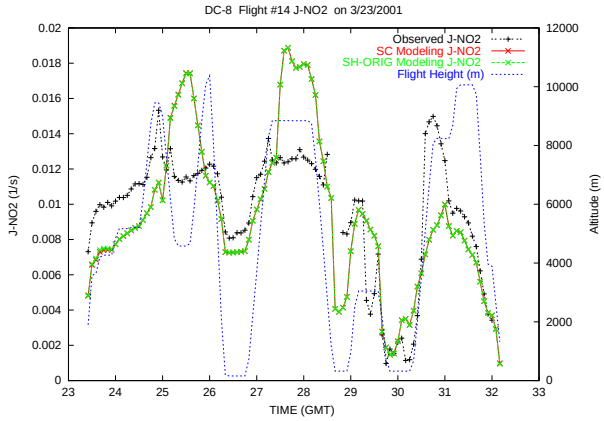

DC-8 Flight #14 HO2 on 3/23/2001
Observed HO2
SC Modeling HO2
SH-ORIG Modeling HO2
Flight Height (m)
HO2 (ppbv)
Altitude (m)
TIME (GMT)

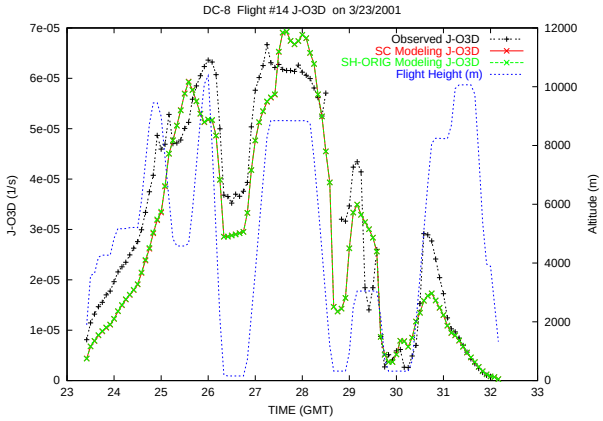

DC-8 Flight #14 Benzene+Toluene [ARO1] on 3/23/2001
Observed Benzene+Toluene [ARO1]
SC Modeling Benzene+Toluene [ARO1]
SH-ORIG Modeling Benzene+Toluene [ARO1]
Flight Height (m)
Benzene+Toluene [ARO1] (pptv)
Altitude (m)
TIME (GMT)

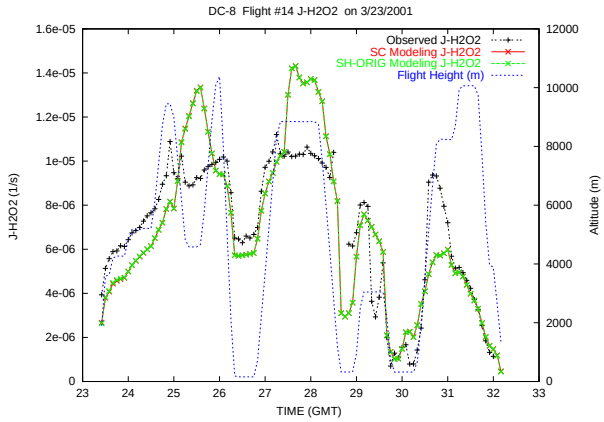

DC-8 Flight #14 Black Carbon on 3/23/2001
Observed Black Carbon
SC Modeling Black Carbon
SH-ORIG Modeling Black Carbon
Flight Height (m)
Black Carbon (ug/std m3)
Altitude (m)
TIME (GMT)

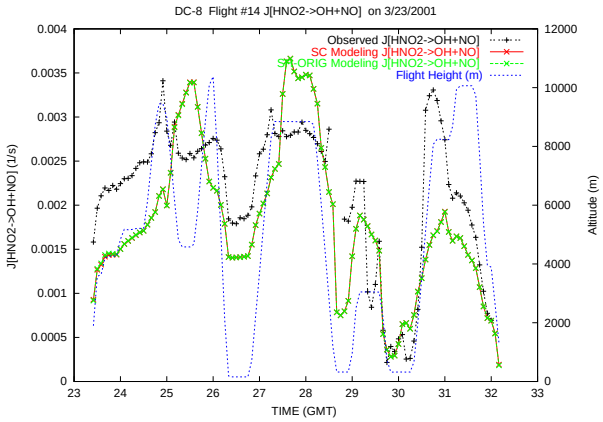

DC-8 Flight #14 AOE-550nm on 3/23/2001
Observed AOE-550nm
SC Modeling AOE-550nm
SH-ORIG Modeling AOE-550nm
Flight Height (m)
AOE-550nm (1/m)
Altitude (m)
TIME (GMT)

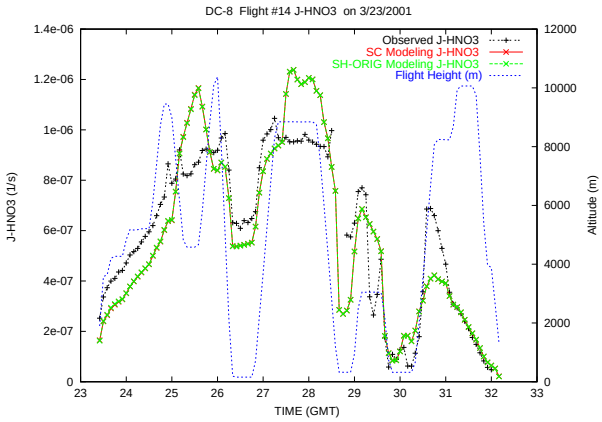

DC-8 Flight #14 S-Albedo on 3/23/2001
Observed S-Albedo
SC Modeling S-Albedo
SH-ORIG Modeling S-Albedo
Flight Height (m)
S-Albedo
Altitude (m)
TIME (GMT)

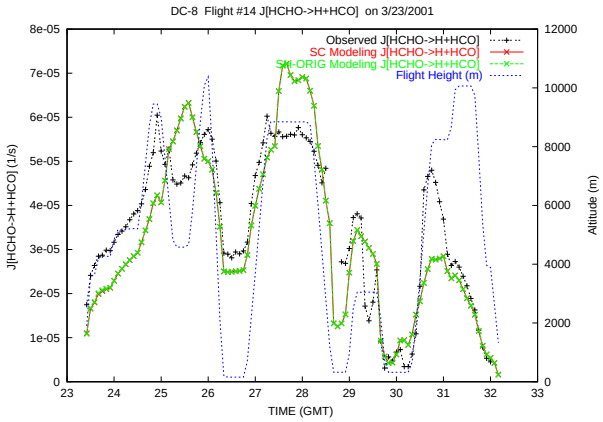

DC-8 Flight #14 J-NO2 on 3/23/2001
Observed J-NO2
SC Modeling J-NO2
SH-ORIG Modeling J-NO2
Flight Height (m)
J-NO2 (1/s)
Altitude (m)
TIME (GMT)

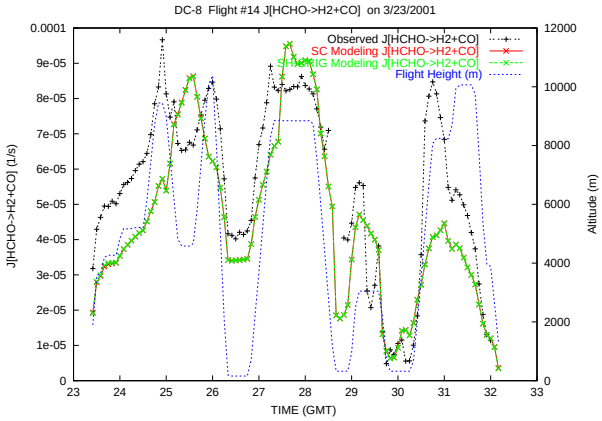

DC-8 Flight #14 J-O3D on 3/23/2001
Observed J-O3D
SC Modeling J-O3D
SH-ORIG Modeling J-O3D
Flight Height (m)
J-O3D (1/s)
Altitude (m)
TIME (GMT)

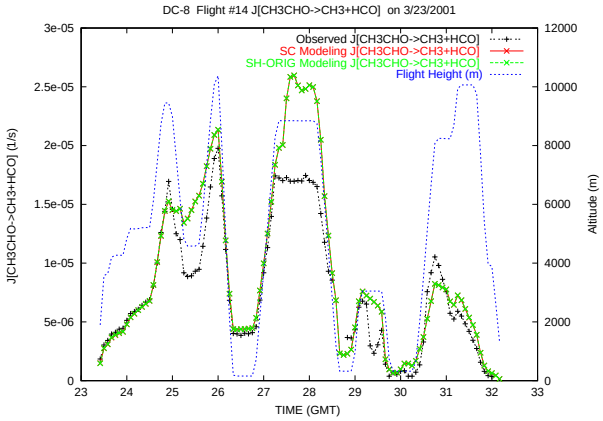

DC-8 Flight #14 J-H2O2 on 3/23/2001
Observed J-H2O2
SC Modeling J-H2O2
SH-ORIG Modeling J-H2O2
Flight Height (m)
J-H2O2 (1/s)
Altitude (m)
TIME (GMT)

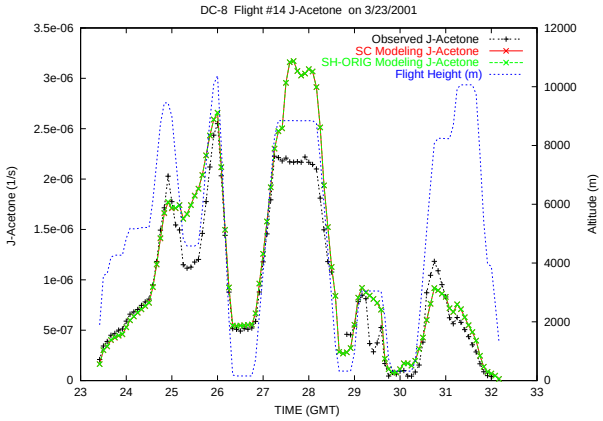

DC-8 Flight #14 J[HNO2->OH+NO] on 3/23/2001
Observed J[HNO2->OH+NO]
SC Modeling J[HNO2->OH+NO]
SH-ORIG Modeling J[HNO2->OH+NO]
Flight Height (m)
J[HNO2->OH+NO] (1/s)
Altitude (m)
TIME (GMT)

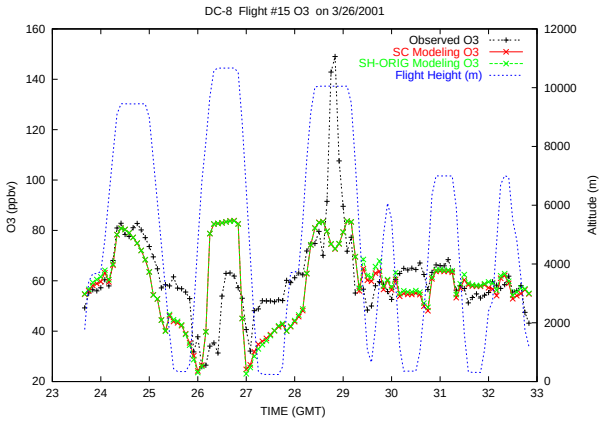

DC-8 Flight #14 J-HNO3 on 3/23/2001
Observed J-HNO3
SC Modeling J-HNO3
SH-ORIG Modeling J-HNO3
Flight Height (m)
J-HNO3 (1/s)
Altitude (m)
TIME (GMT)

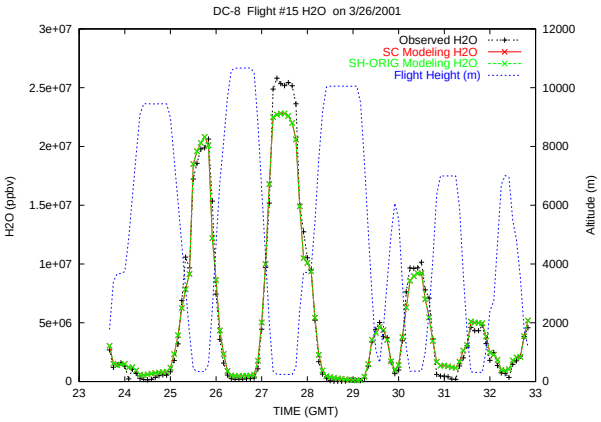

DC-8 Flight #14 J[HCHO->H+HCO] on 3/23/2001
Observed J[HCHO->H+HCO]
SC Modeling J[HCHO->H+HCO]
SH-ORIG Modeling J[HCHO->H+HCO]
Flight Height (m)
J[HCHO->H+HCO] (1/s)
Altitude (m)
TIME (GMT)

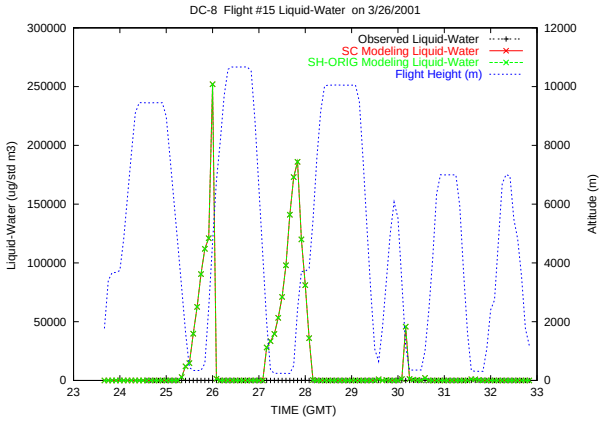

DC-8 Flight #14 J[HCHO->H2+CO] on 3/23/2001
Observed J[HCHO->H2+CO]
SC Modeling J[HCHO->H2+CO]
SH-ORIG Modeling J[HCHO->H2+CO]
Flight Height (m)
J[HCHO->H2+CO] (1/s)
Altitude (m)
TIME (GMT)

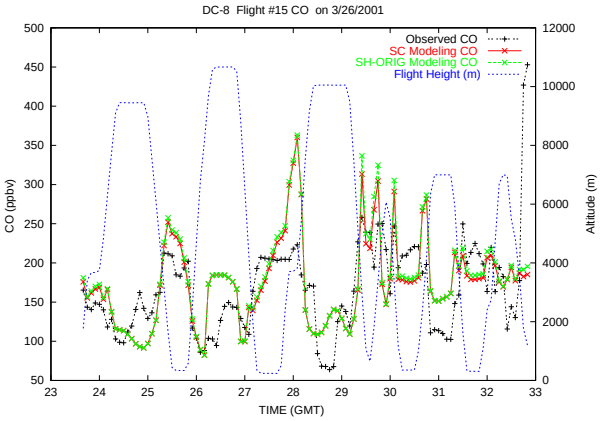

DC-8 Flight #14 J[CH3CHO->CH3+HCO] on 3/23/2001
Observed J[CH3CHO->CH3+HCO]
SC Modeling J[CH3CHO->CH3+HCO]
SH-ORIG Modeling J[CH3CHO->CH3+HCO]
Flight Height (m)
J[CH3CHO->CH3+HCO] (1/s)
Altitude (m)
TIME (GMT)

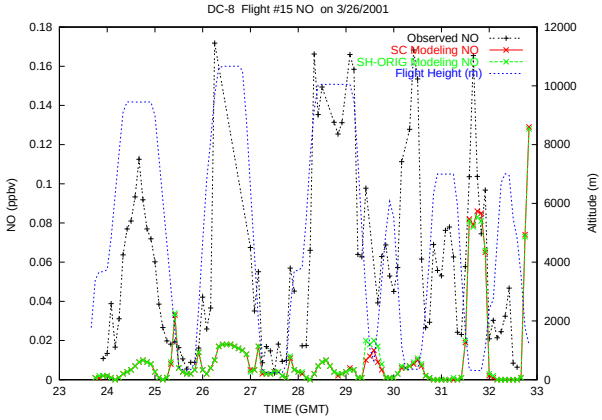

DC-8 Flight #14 J-Acetone on 3/23/2001
Observed J-Acetone
SC Modeling J-Acetone
SH-ORIG Modeling J-Acetone
Flight Height (m)
J-Acetone (1/s)
Altitude (m)
TIME (GMT)

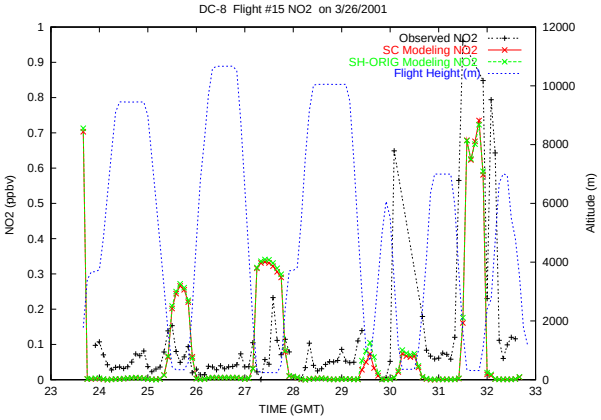

DC-8 Flight #15 O3 on 3/26/2001
Observed O3
SC Modeling O3
SH-ORIG Modeling O3
Flight Height (m)
O3 (ppbv)
Altitude (m)
TIME (GMT)

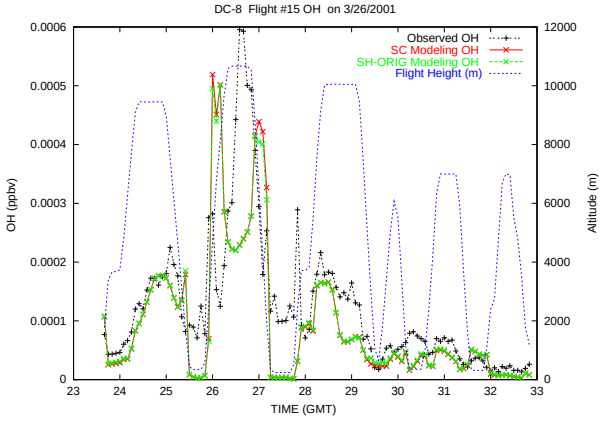

DC-8 Flight #15 H2O on 3/26/2001
Observed H2O
SC Modeling H2O
SH-ORIG Modeling H2O
Flight Height (m)
H2O (ppbv)
Altitude (m)
TIME (GMT)

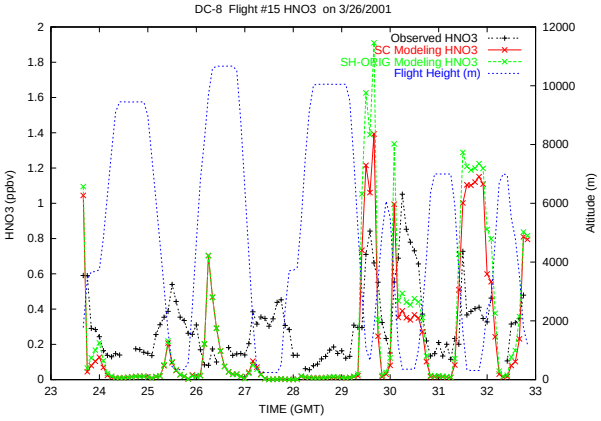

DC-8 Flight #15 Liquid-Water on 3/26/2001
Observed Liquid-Water
SC Modeling Liquid-Water
SH-ORIG Modeling Liquid-Water
Flight Height (m)
Liquid-Water (ug/std m3)
Altitude (m)
TIME (GMT)

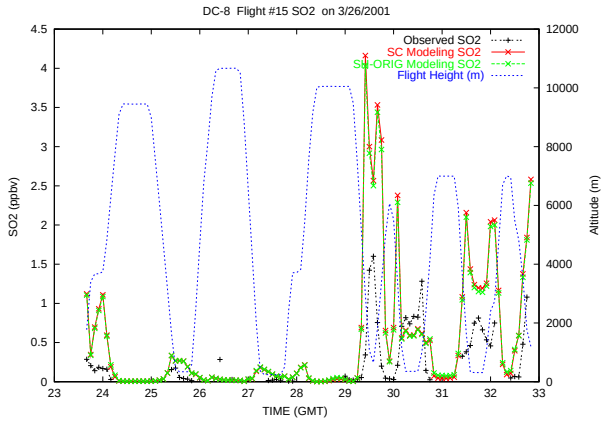

DC-8 Flight #15 CO on 3/26/2001
Observed CO
SC Modeling CO
SH-ORIG Modeling CO
Flight Height (m)
CO (ppbv)
Altitude (m)
TIME (GMT)

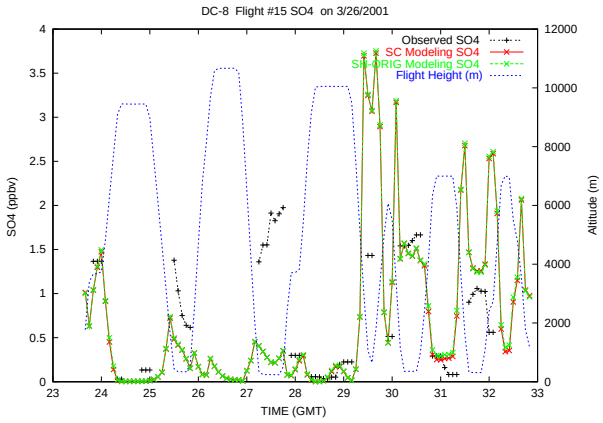

DC-8 Flight #15 NO on 3/26/2001
Observed NO
SC Modeling NO
SH-ORIG Modeling NO
Flight Height (m)
NO (ppbv)
Altitude (m)
TIME (GMT)

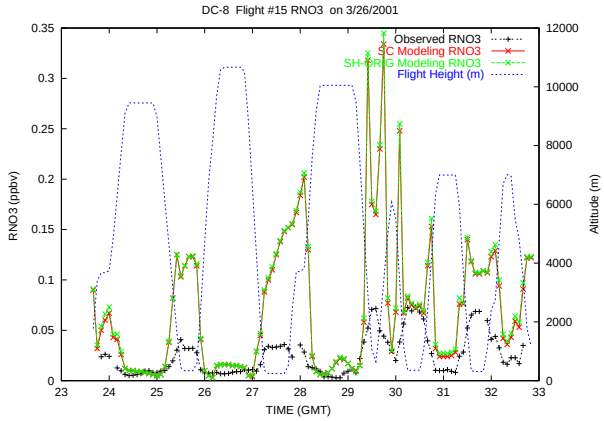

DC-8 Flight #15 NO2 on 3/26/2001
Observed NO2
SC Modeling NO2
SH-ORIG Modeling NO2
Flight Height (m)
NO2 (ppbv)
Altitude (m)
TIME (GMT)

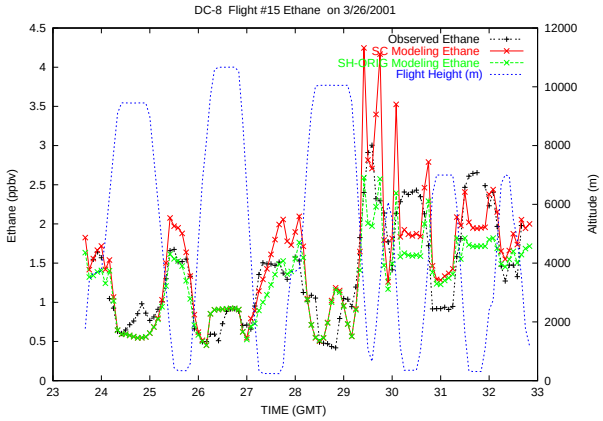

DC-8 Flight #15 OH on 3/26/2001
Observed OH
SC Modeling OH
SH-ORIG Modeling OH
Flight Height (m)
OH (ppbv)
Altitude (m)
TIME (GMT)

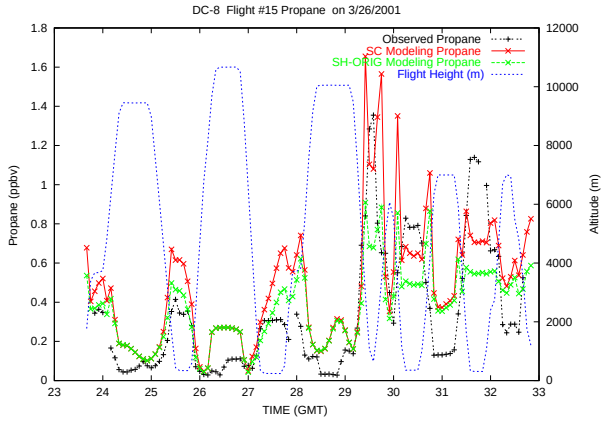

DC-8 Flight #15 HNO3 on 3/26/2001
Observed HNO3
SC Modeling HNO3
SH-ORIG Modeling HNO3
Flight Height (m)
HNO3 (ppbv)
Altitude (m)
TIME (GMT)

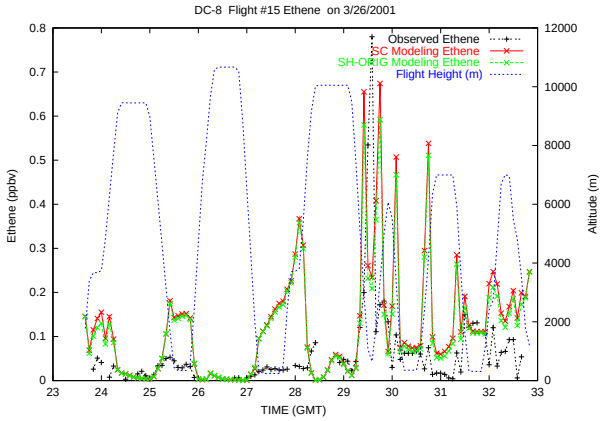

DC-8 Flight #15 SO2 on 3/26/2001
Observed SO2
SC Modeling SO2
SH-ORIG Modeling SO2
Flight Height (m)
SO2 (ppbv)
Altitude (m)
TIME (GMT)

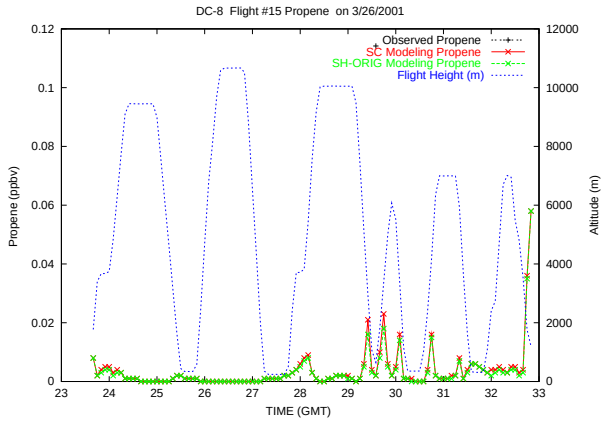

DC-8 Flight #15 SO4 on 3/26/2001
Observed SO4
SC Modeling SO4
SH-ORIG Modeling SO4
Flight Height (m)
SO4 (ppbv)
Altitude (m)
TIME (GMT)

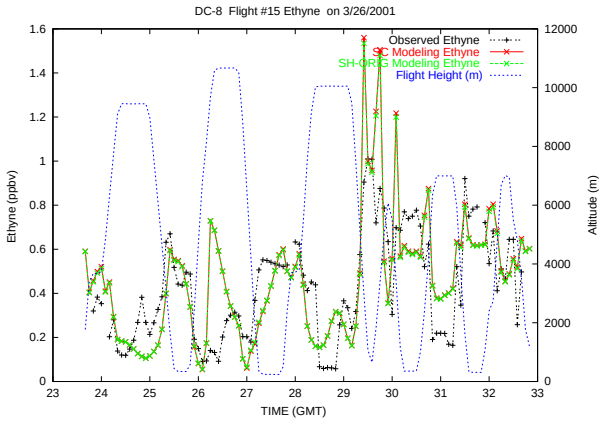

DC-8 Flight #15 RNO3 on 3/26/2001
Observed RNO3
SC Modeling RNO3
SH-ORIG Modeling RNO3
Flight Height (m)
RNO3 (ppbv)
Altitude (m)
TIME (GMT)

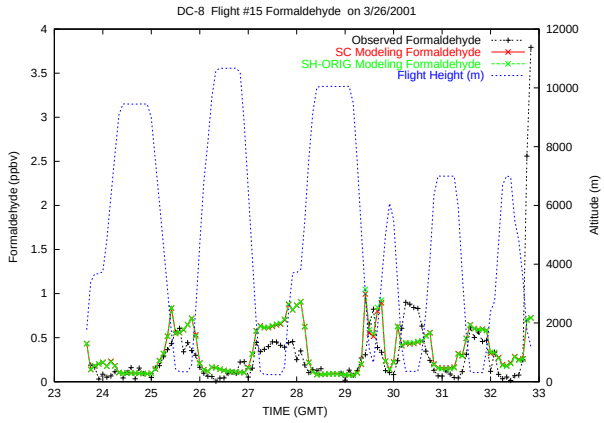

DC-8 Flight #15 Ethane on 3/26/2001
Observed Ethane
SC Modeling Ethane
SH-ORIG Modeling Ethane
Flight Height (m)
Ethane (ppbv)
Altitude (m)
TIME (GMT)

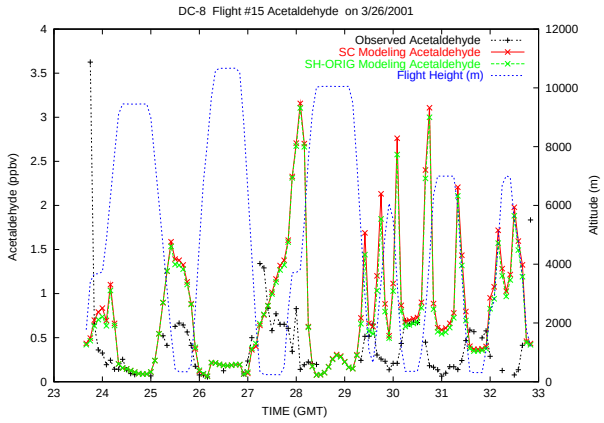

DC-8 Flight #15 Propane on 3/26/2001
Observed Propane
SC Modeling Propane
SH-ORIG Modeling Propane
Flight Height (m)
Propane (ppbv)
Altitude (m)
TIME (GMT)

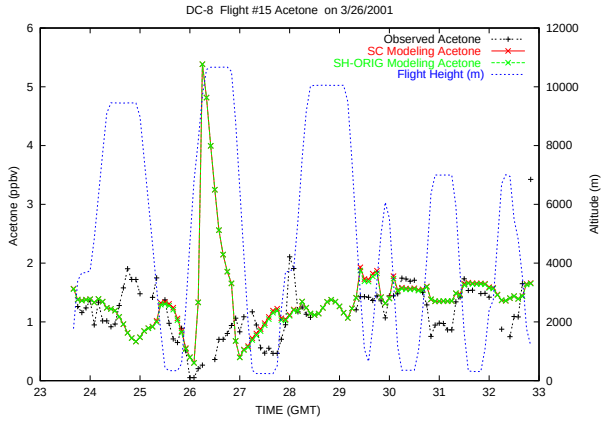

DC-8 Flight #15 Ethene on 3/26/2001
Observed Ethene
SC Modeling Ethene
SH-ORIG Modeling Ethene
Flight Height (m)
Ethene (ppbv)
Altitude (m)
TIME (GMT)

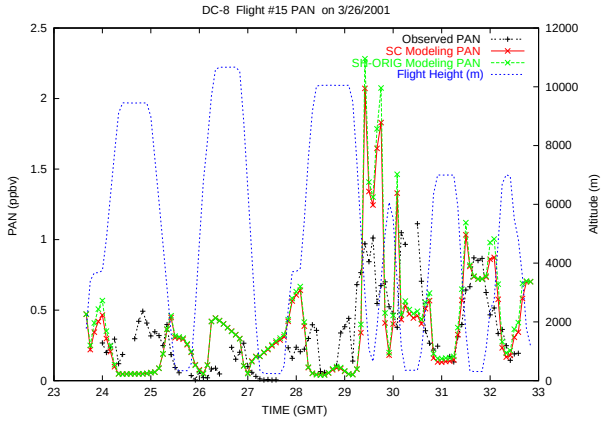

DC-8 Flight #15 Propene on 3/26/2001
Observed Propene
SC Modeling Propene
SH-ORIG Modeling Propene
Flight Height (m)
Propene (ppbv)
Altitude (m)
TIME (GMT)

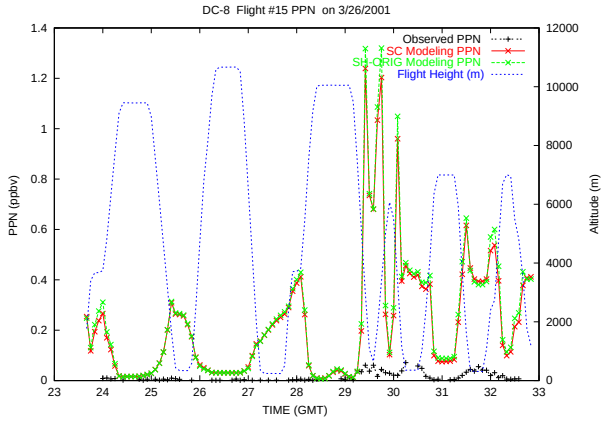

DC-8 Flight #15 Ethyne on 3/26/2001
Observed Ethyne
SC Modeling Ethyne
SH-ORIG Modeling Ethyne
Flight Height (m)
Ethyne (ppbv)
Altitude (m)
TIME (GMT)

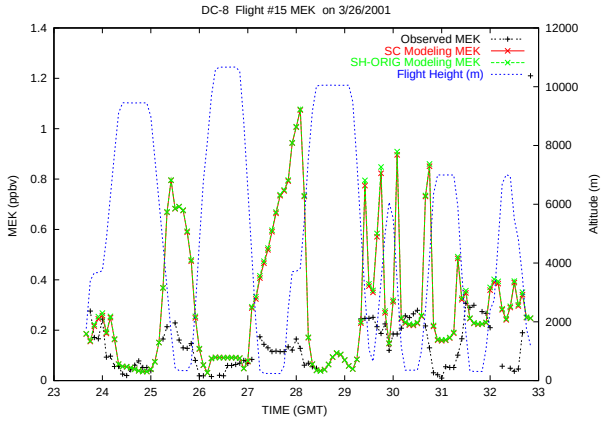

DC-8 Flight #15 Formaldehyde on 3/26/2001
Observed Formaldehyde
SC Modeling Formaldehyde
SH-ORIG Modeling Formaldehyde
Flight Height (m)
Formaldehyde (ppbv)
Altitude (m)
TIME (GMT)

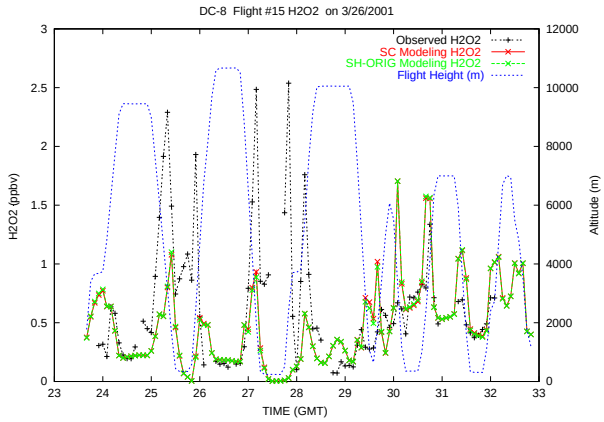

DC-8 Flight #15 Acetaldehyde on 3/26/2001
Observed Acetaldehyde
SC Modeling Acetaldehyde
SH-ORIG Modeling Acetaldehyde
Flight Height (m)
Acetaldehyde (ppbv)
Altitude (m)
TIME (GMT)

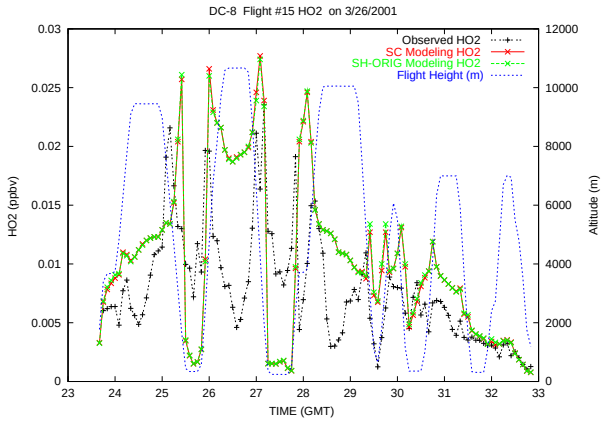

DC-8 Flight #15 Acetone on 3/26/2001
Observed Acetone
SC Modeling Acetone
SH-ORIG Modeling Acetone
Flight Height (m)
Acetone (ppbv)
Altitude (m)
TIME (GMT)

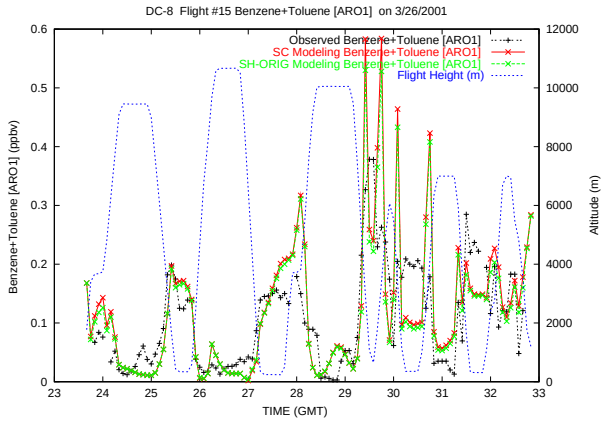

DC-8 Flight #15 PAN on 3/26/2001
Observed PAN
SC Modeling PAN
SH-ORIG Modeling PAN
Flight Height (m)
PAN (ppbv)
Altitude (m)
TIME (GMT)

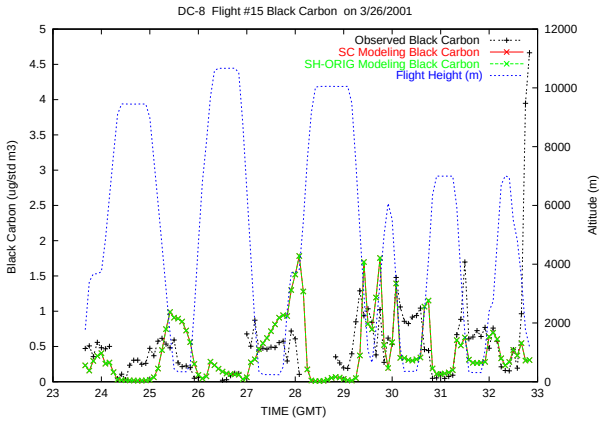

DC-8 Flight #15 PPN on 3/26/2001
Observed PPN
SC Modeling PPN
SH-ORIG Modeling PPN
Flight Height (m)
PPN (ppbv)
Altitude (m)
TIME (GMT)

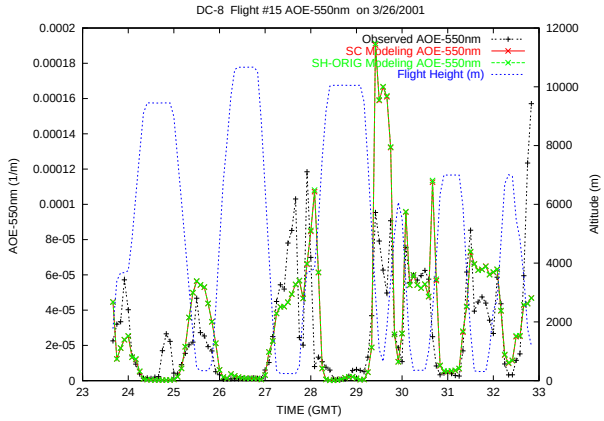

DC-8 Flight #15 MEK on 3/26/2001
Observed MEK
SC Modeling MEK
SH-ORIG Modeling MEK
Flight Height (m)
MEK (ppbv)
Altitude (m)
TIME (GMT)

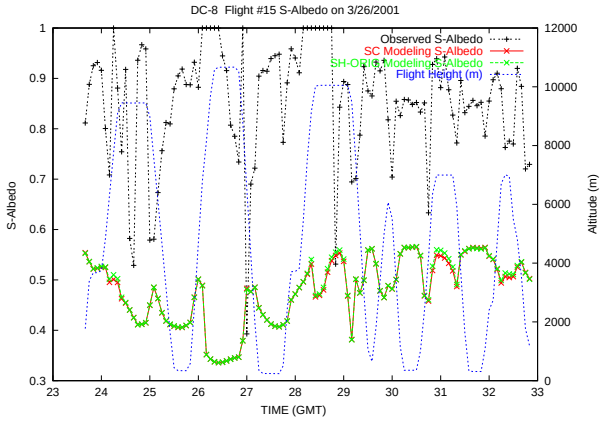

DC-8 Flight #15 H2O2 on 3/26/2001
Observed H2O2
SC Modeling H2O2
SH-ORIG Modeling H2O2
Flight Height (m)
H2O2 (ppbv)
Altitude (m)
TIME (GMT)

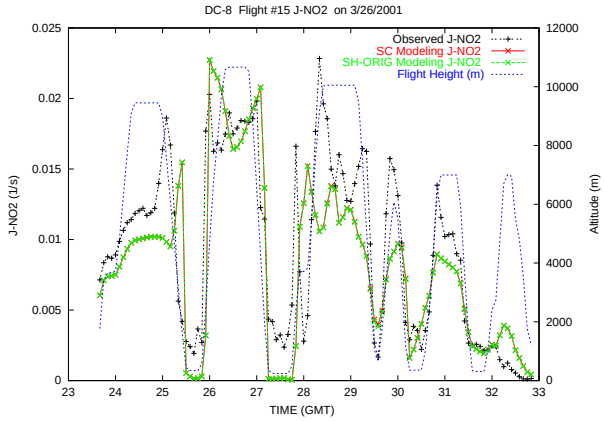

DC-8 Flight #15 HO2 on 3/26/2001
Observed HO2
SC Modeling HO2
SH-ORIG Modeling HO2
Flight Height (m)
HO2 (ppbv)
Altitude (m)
TIME (GMT)

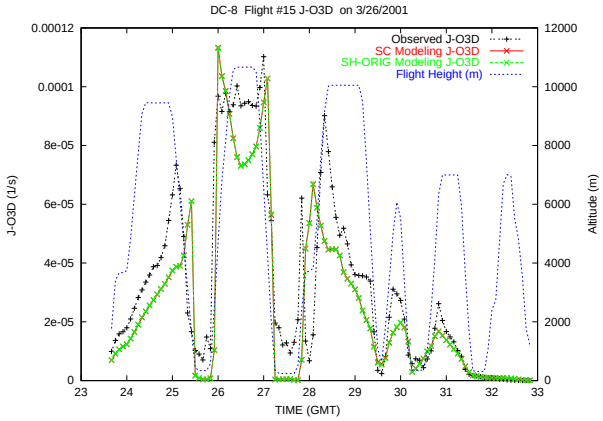

DC-8 Flight #15 Benzene+Toluene [ARO1] on 3/26/2001
Observed Benzene+Toluene [ARO1]
SC Modeling Benzene+Toluene [ARO1]
SH-ORIG Modeling Benzene+Toluene [ARO1]
Flight Height (m)
Benzene+Toluene [ARO1] (pptv)
Altitude (m)
TIME (GMT)

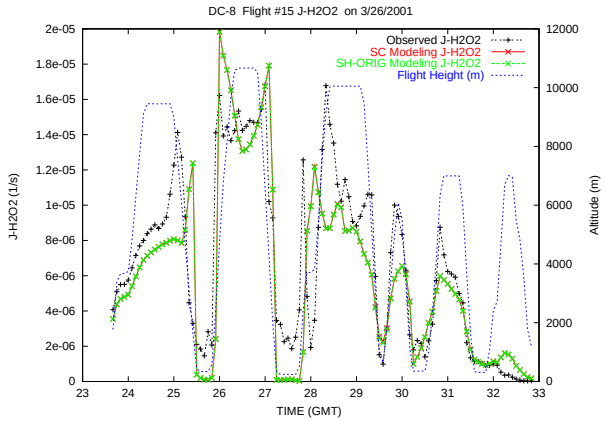

DC-8 Flight #15 Black Carbon on 3/26/2001
Observed Black Carbon
SC Modeling Black Carbon
SH-ORIG Modeling Black Carbon
Flight Height (m)
Black Carbon (ug/std m3)
Altitude (m)
TIME (GMT)

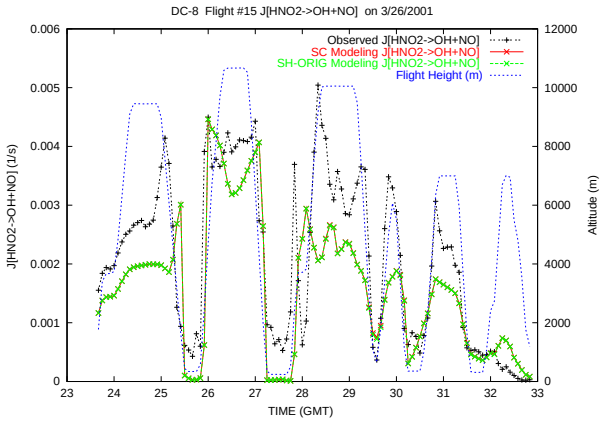

DC-8 Flight #15 AOE-550nm on 3/26/2001
Observed AOE-550nm
SC Modeling AOE-550nm
SH-ORIG Modeling AOE-550nm
Flight Height (m)
AOE-550nm (1/m)
Altitude (m)
TIME (GMT)

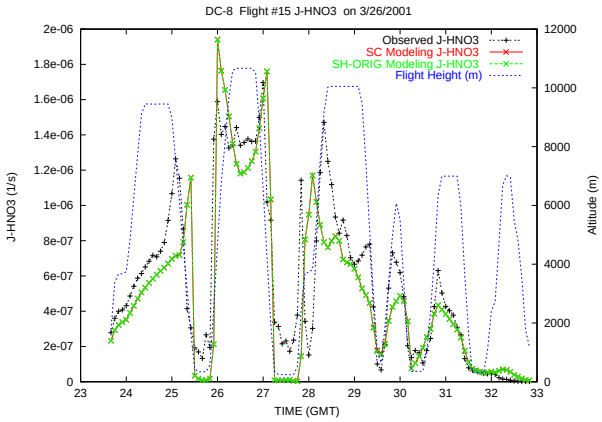

DC-8 Flight #15 S-Albedo on 3/26/2001
Observed S-Albedo
SC Modeling S-Albedo
SH-ORIG Modeling S-Albedo
Flight Height (m)
S-Albedo
Altitude (m)
TIME (GMT)

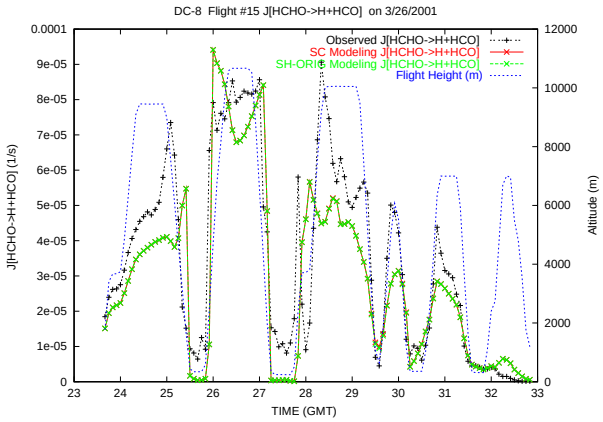

DC-8 Flight #15 J-NO2 on 3/26/2001
Observed J-NO2
SC Modeling J-NO2
SH-ORIG Modeling J-NO2
Flight Height (m)
J-NO2 (1/s)
Altitude (m)
TIME (GMT)

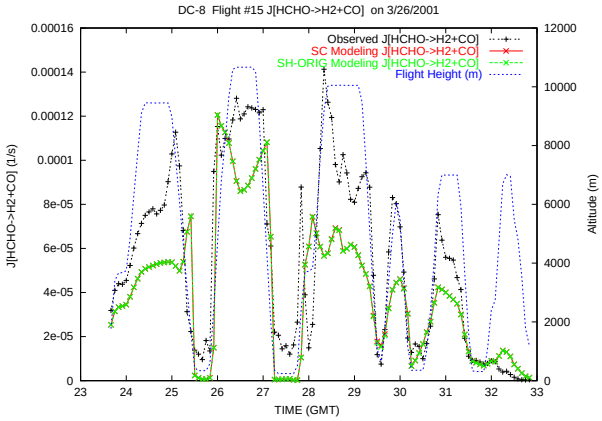

DC-8 Flight #15 J-O3D on 3/26/2001
Observed J-O3D
SC Modeling J-O3D
SH-ORIG Modeling J-O3D
Flight Height (m)
J-O3D (1/s)
Altitude (m)
TIME (GMT)

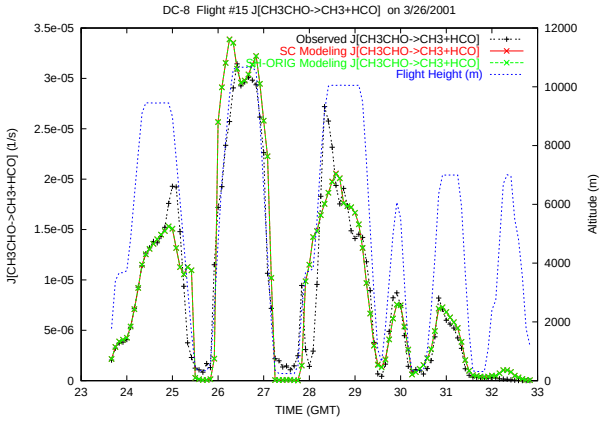

DC-8 Flight #15 J-H2O2 on 3/26/2001
Observed J-H2O2
SC Modeling J-H2O2
SH-ORIG Modeling J-H2O2
Flight Height (m)
J-H2O2 (1/s)
Altitude (m)
TIME (GMT)

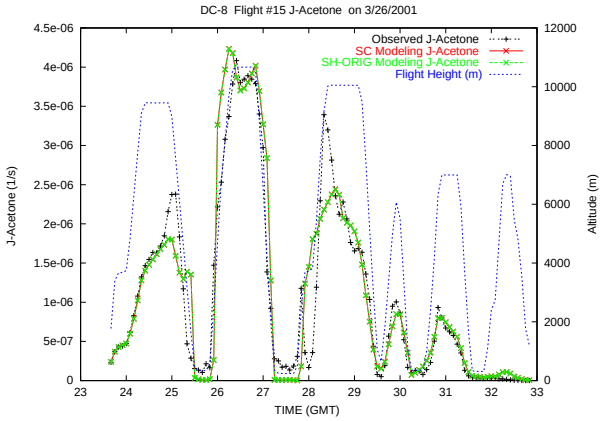

DC-8 Flight #15 J[HNO2->OH+NO] on 3/26/2001
Observed J[HNO2->OH+NO]
SC Modeling J[HNO2->OH+NO]
SH-ORIG Modeling J[HNO2->OH+NO]
Flight Height (m)
J[HNO2->OH+NO] (1/s)
Altitude (m)
TIME (GMT)

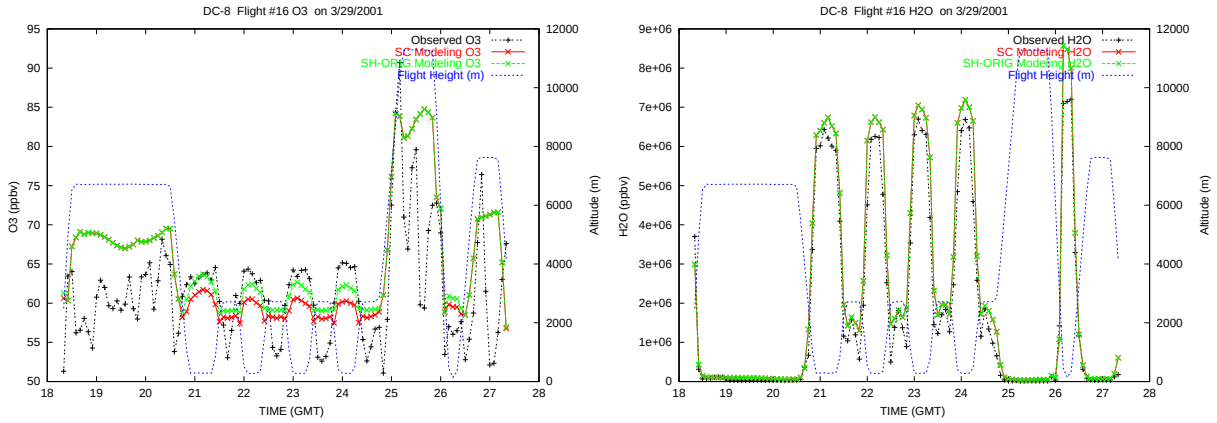

DC-8 Flight #15 J-HNO3 on 3/26/2001
Observed J-HNO3
SC Modeling J-HNO3
SH-ORIG Modeling J-HNO3
Flight Height (m)
J-HNO3 (1/s)
Altitude (m)
TIME (GMT)


DC-8 Flight #15 J[HCHO->H+HCO] on 3/26/2001
Observed J[HCHO->H+HCO]
SC Modeling J[HCHO->H+HCO]
SH-ORIG Modeling J[HCHO->H+HCO]
Flight Height (m)
J[HCHO->H+HCO] (1/s)
Altitude (m)
TIME (GMT)

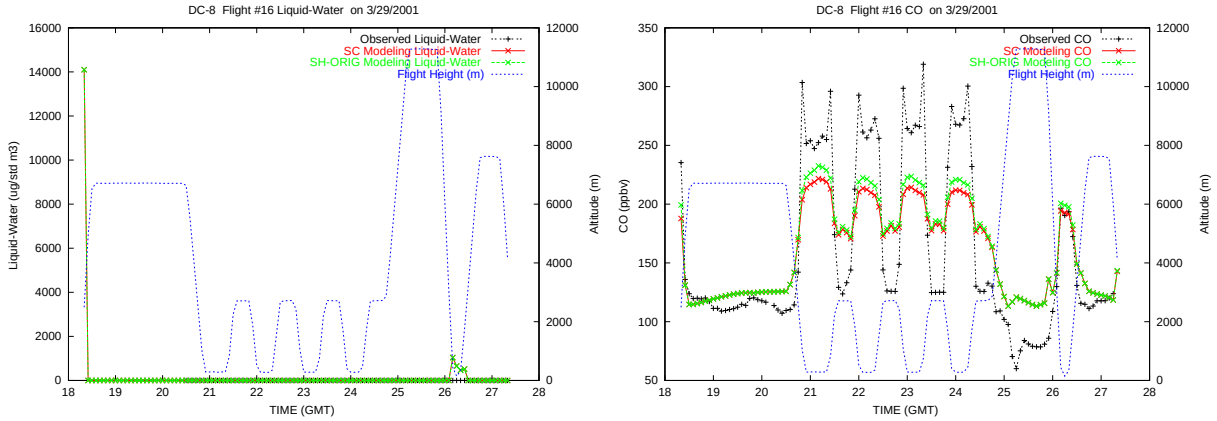

DC-8 Flight #15 J[HCHO->H2+CO] on 3/26/2001
Observed J[HCHO->H2+CO]
SC Modeling J[HCHO->H2+CO]
SH-ORIG Modeling J[HCHO->H2+CO]
Flight Height (m)
J[HCHO->H2+CO] (1/s)
Altitude (m)
TIME (GMT)


DC-8 Flight #15 J[CH3CHO->CH3+HCO] on 3/26/2001
Observed J[CH3CHO->CH3+HCO]
SC Modeling J[CH3CHO->CH3+HCO]
SH-ORIG Modeling J[CH3CHO->CH3+HCO]
Flight Height (m)
J[CH3CHO->CH3+HCO] (1/s)
Altitude (m)
TIME (GMT)

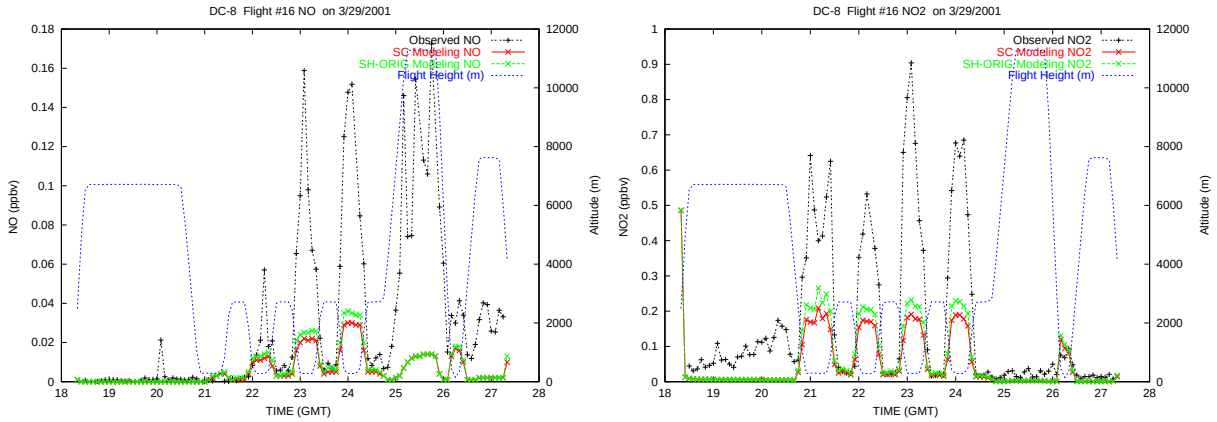

DC-8 Flight #15 J-Acetone on 3/26/2001
Observed J-Acetone
SC Modeling J-Acetone
SH-ORIG Modeling J-Acetone
Flight Height (m)
J-Acetone (1/s)
Altitude (m)
TIME (GMT)


DC-8 Flight #16 O3 on 3/29/2001
Observed O3
SC Modeling O3
SH-ORIG Modeling O3
Flight Height (m)
O3 (ppbv)
Altitude (m)
TIME (GMT)

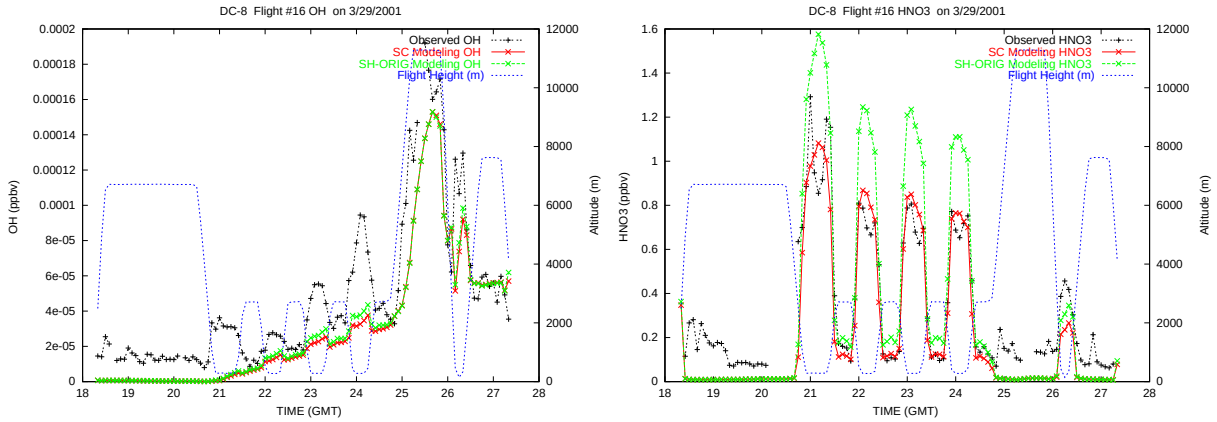
DC-8 Flight #16 H2O on 3/29/2001
Observed H2O
SC Modeling H2O
SH-ORIG Modeling H2O
Flight Height (m)
H2O (ppbv)
Altitude (m)
TIME (GMT)


DC-8 Flight #16 Liquid-Water on 3/29/2001
Observed Liquid-Water
SC Modeling Liquid-Water
SH-ORIG Modeling Liquid-Water
Flight Height (m)
Liquid-Water (ug/std m3)
Altitude (m)
TIME (GMT)

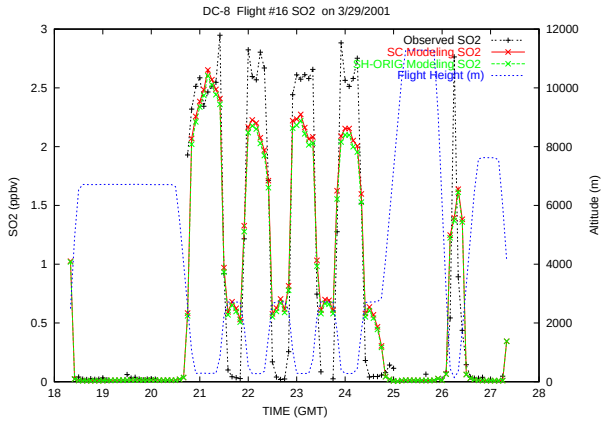
DC-8 Flight #16 CO on 3/29/2001
Observed CO
SC Modeling CO
SH-ORIG Modeling CO
Flight Height (m)
CO (ppbv)
Altitude (m)
TIME (GMT)

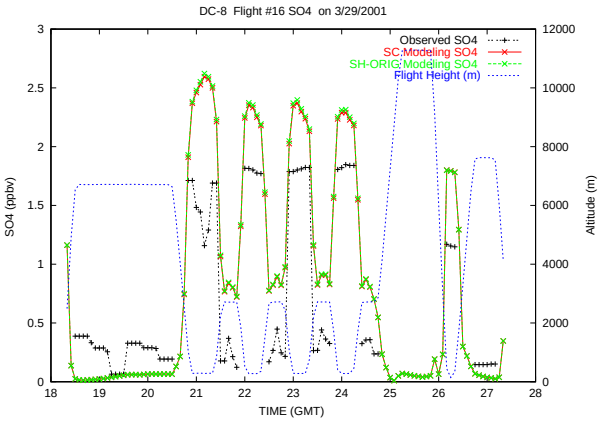

DC-8 Flight #16 NO on 3/29/2001
Observed NO
SC Modeling NO
SH-ORIG Modeling NO
Flight Height (m)
NO (ppbv)
Altitude (m)
TIME (GMT)

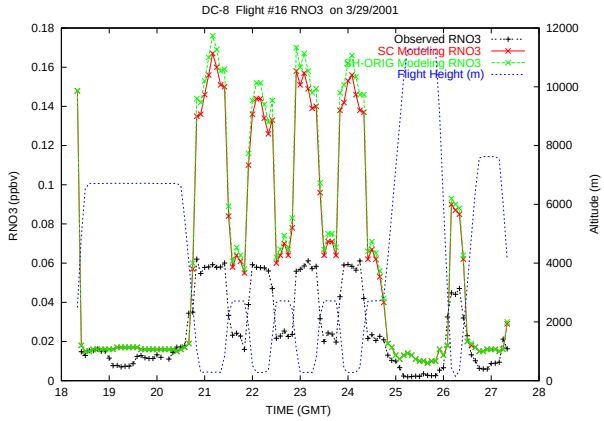
DC-8 Flight #16 NO2 on 3/29/2001
Observed NO2
SC Modeling NO2
SH-ORIG Modeling NO2
Flight Height (m)
NO2 (ppbv)
Altitude (m)
TIME (GMT)

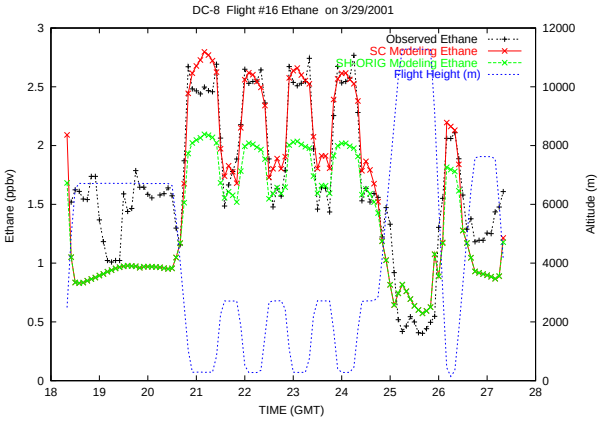

DC-8 Flight #16 OH on 3/29/2001
Observed OH
SC Modeling OH
SH-ORIG Modeling OH
Flight Height (m)
OH (ppbv)
Altitude (m)
TIME (GMT)

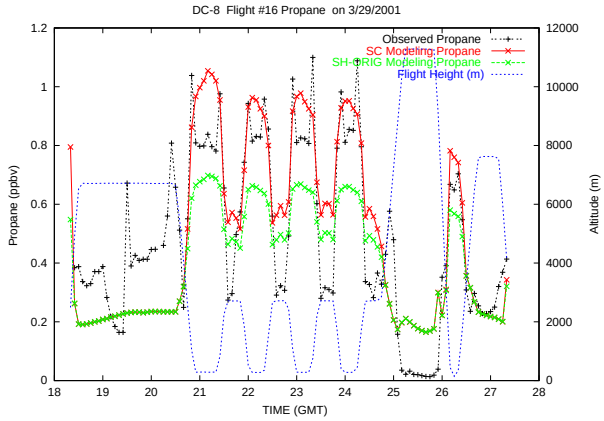
DC-8 Flight #16 HNO3 on 3/29/2001
Observed HNO3
SC Modeling HNO3
SH-ORIG Modeling HNO3
Flight Height (m)
HNO3 (ppbv)
Altitude (m)
TIME (GMT)

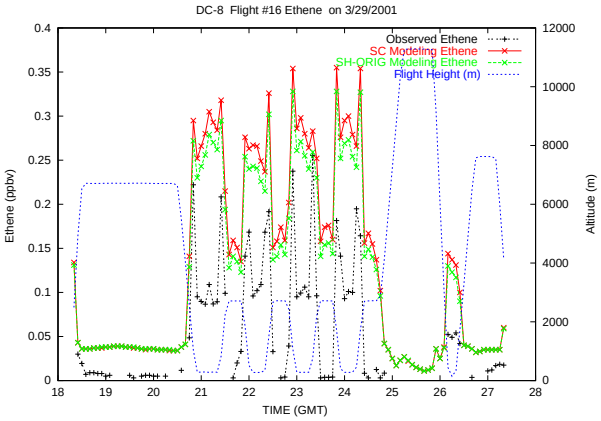

DC-8 Flight #16 SO2 on 3/29/2001
Observed SO2
SC Modeling SO2
SH-ORIG Modeling SO2
Flight Height (m)
SO2 (ppbv)
Altitude (m)
TIME (GMT)

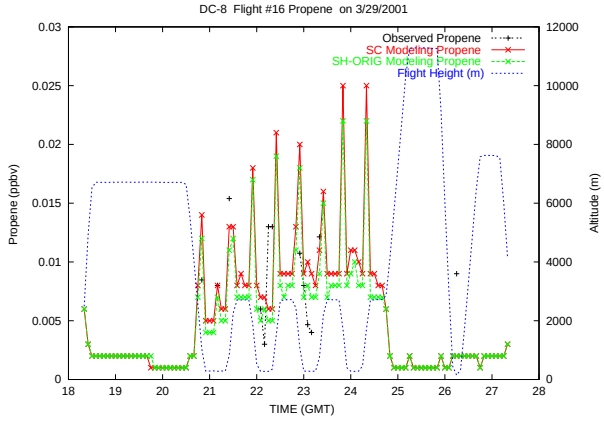

DC-8 Flight #16 SO4 on 3/29/2001
Observed SO4
SC Modeling SO4
SH-ORIG Modeling SO4
Flight Height (m)
SO4 (ppbv)
Altitude (m)
TIME (GMT)

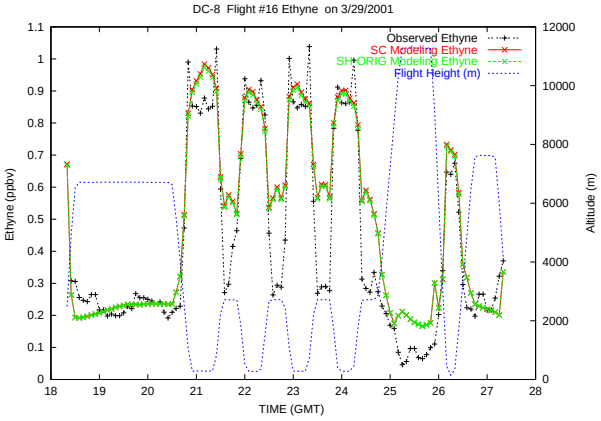

DC-8 Flight #16 RNO3 on 3/29/2001
Observed RNO3
SC Modeling RNO3
SH-ORIG Modeling RNO3
Flight Height (m)
RNO3 (ppbv)
Altitude (m)
TIME (GMT)

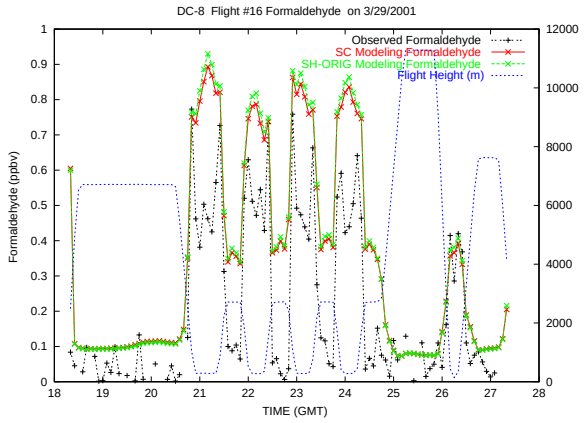

DC-8 Flight #16 Ethane on 3/29/2001
Observed Ethane
SC Modeling Ethane
SH-ORIG Modeling Ethane
Flight Height (m)
Ethane (ppbv)
Altitude (m)
TIME (GMT)

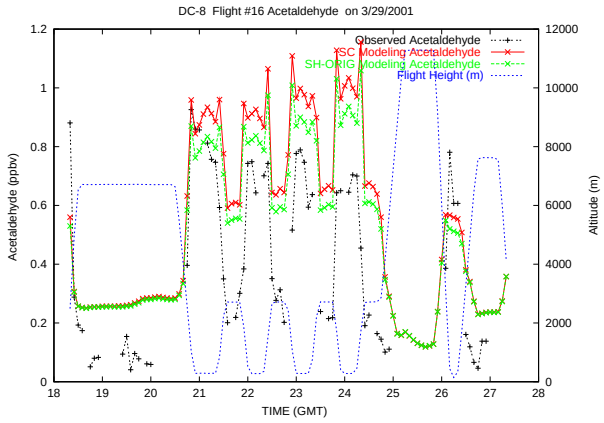

DC-8 Flight #16 Propane on 3/29/2001
Observed Propane
SC Modeling Propane
SH-ORIG Modeling Propane
Flight Height (m)
Propane (ppbv)
Altitude (m)
TIME (GMT)

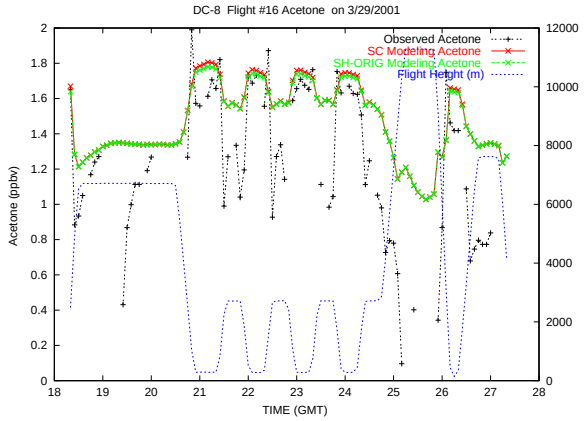

DC-8 Flight #16 Ethene on 3/29/2001
Observed Ethene
SC Modeling Ethene
SH-ORIG Modeling Ethene
Flight Height (m)
Ethene (ppbv)
Altitude (m)
TIME (GMT)

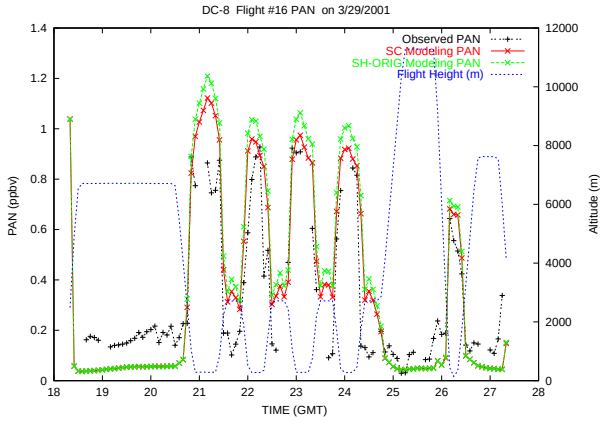

DC-8 Flight #16 Propene on 3/29/2001
Observed Propene
SC Modeling Propene
SH-ORIG Modeling Propene
Flight Height (m)
Propene (ppbv)
Altitude (m)
TIME (GMT)

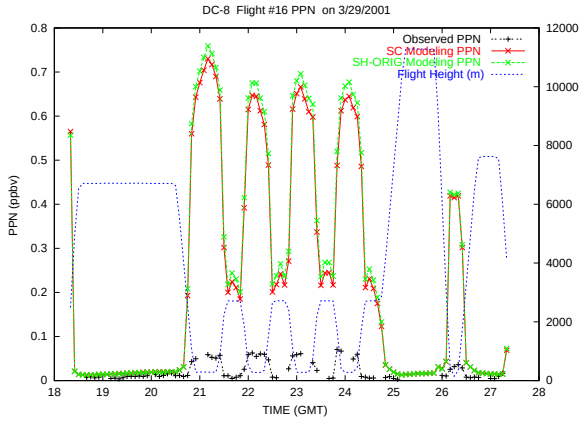

DC-8 Flight #16 Ethyne on 3/29/2001
Observed Ethyne
SC Modeling Ethyne
SH-ORIG Modeling Ethyne
Flight Height (m)
Ethyne (ppbv)
Altitude (m)
TIME (GMT)

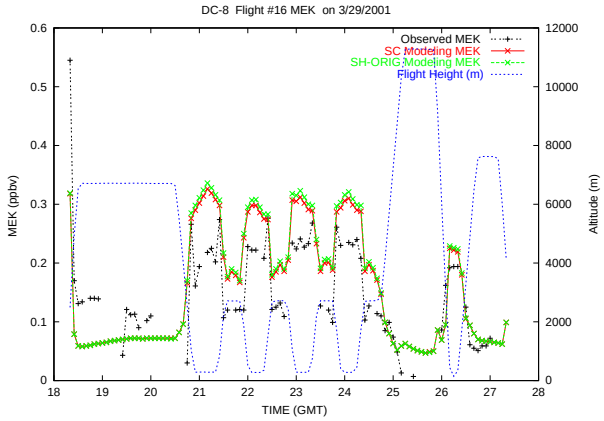

DC-8 Flight #16 Formaldehyde on 3/29/2001
Observed Formaldehyde
SC Modeling Formaldehyde
SH-ORIG Modeling Formaldehyde
Flight Height (m)
Formaldehyde (ppbv)
Altitude (m)
TIME (GMT)

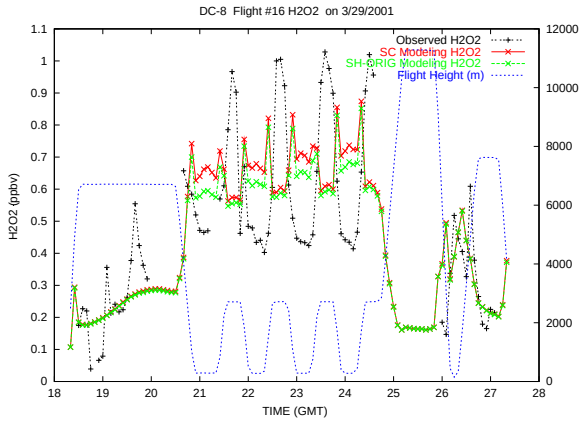

DC-8 Flight #16 Acetaldehyde on 3/29/2001
Observed Acetaldehyde
SC Modeling Acetaldehyde
SH-ORIG Modeling Acetaldehyde
Flight Height (m)
Acetaldehyde (ppbv)
Altitude (m)
TIME (GMT)

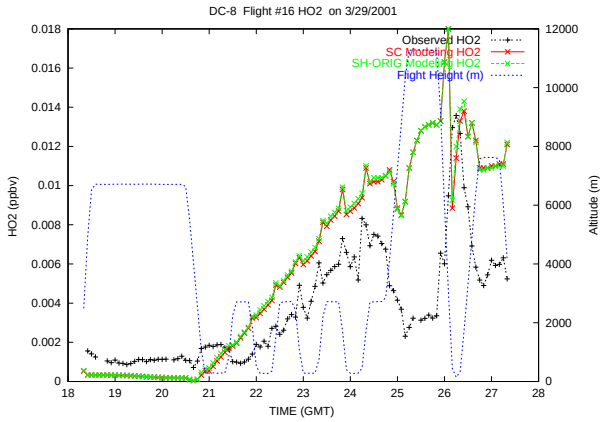

DC-8 Flight #16 Acetone on 3/29/2001
Observed Acetone
SC Modeling Acetone
SH-ORIG Modeling Acetone
Flight Height (m)
Acetone (ppbv)
Altitude (m)
TIME (GMT)

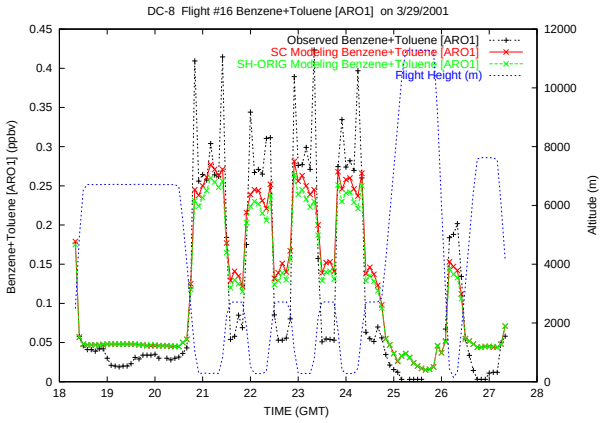

DC-8 Flight #16 PAN on 3/29/2001
Observed PAN
SC Modeling PAN
SH-ORIG Modeling PAN
Flight Height (m)
PAN (ppbv)
Altitude (m)
TIME (GMT)

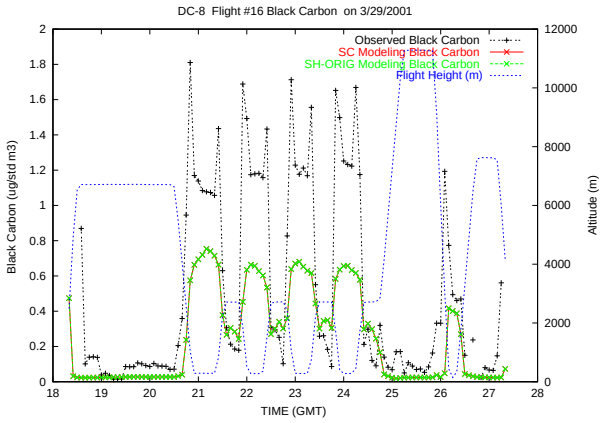

DC-8 Flight #16 PPN on 3/29/2001
Observed PPN
SC Modeling PPN
SH-ORIG Modeling PPN
Flight Height (m)
PPN (ppbv)
Altitude (m)
TIME (GMT)

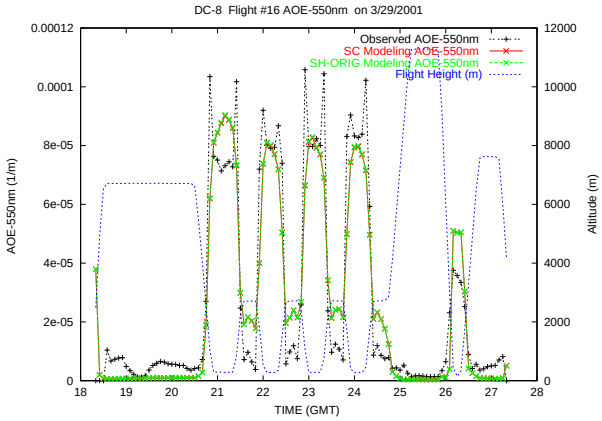

DC-8 Flight #16 MEK on 3/29/2001
Observed MEK
SC Modeling MEK
SH-ORIG Modeling MEK
Flight Height (m)
MEK (ppbv)
Altitude (m)
TIME (GMT)

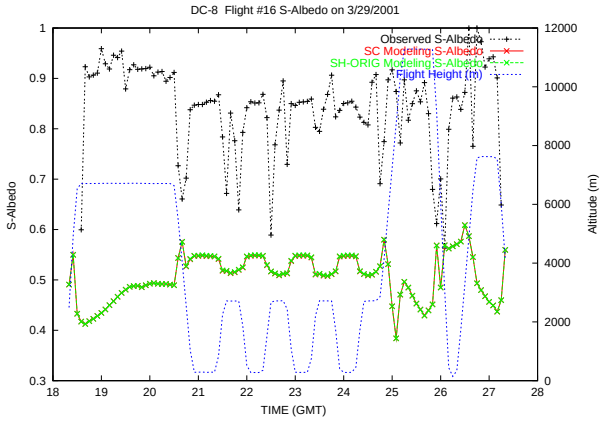

DC-8 Flight #16 H2O2 on 3/29/2001
Observed H2O2
SC Modeling H2O2
SH-ORIG Modeling H2O2
Flight Height (m)
H2O2 (ppbv)
Altitude (m)
TIME (GMT)

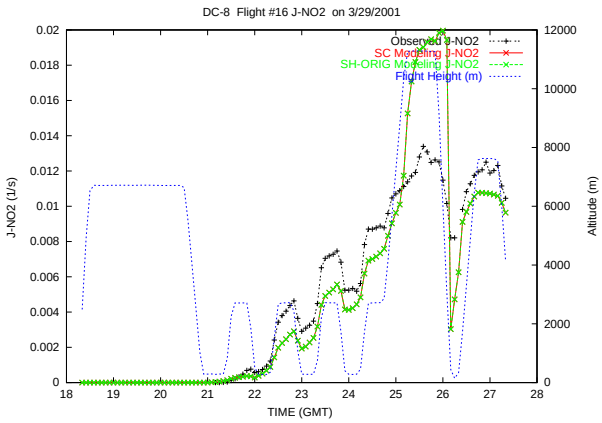

DC-8 Flight #16 HO2 on 3/29/2001
Observed HO2
SC Modeling HO2
SH-ORIG Modeling HO2
Flight Height (m)
HO2 (ppbv)
Altitude (m)
TIME (GMT)

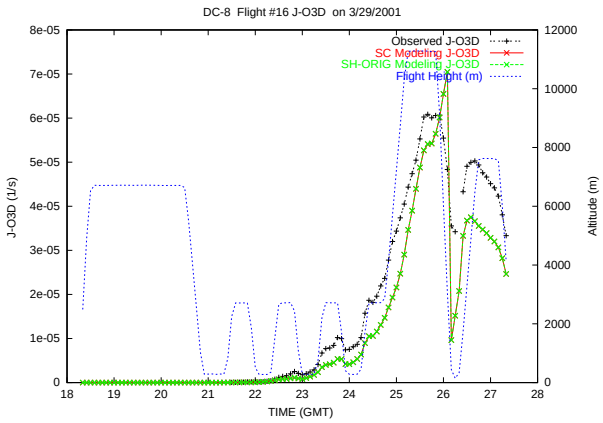

DC-8 Flight #16 Benzene+Toluene [ARO1] on 3/29/2001
Observed Benzene+Toluene [ARO1]
SC Modeling Benzene+Toluene [ARO1]
SH-ORIG Modeling Benzene+Toluene [ARO1]
Flight Height (m)
Benzene+Toluene [ARO1] (ppbv)
Altitude (m)
TIME (GMT)

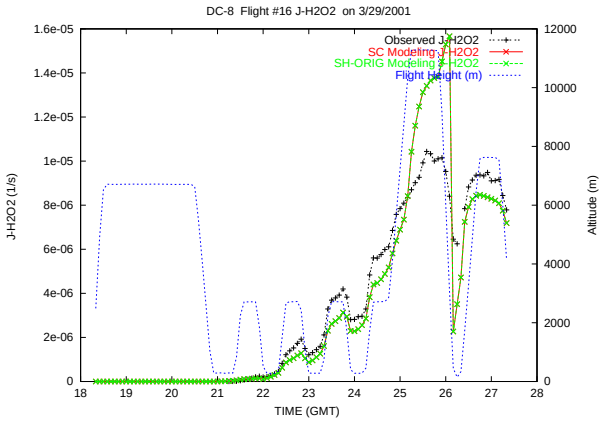

DC-8 Flight #16 Black Carbon on 3/29/2001
Observed Black Carbon
SC Modeling Black Carbon
SH-ORIG Modeling Black Carbon
Flight Height (m)
Black Carbon (ug/std m3)
Altitude (m)
TIME (GMT)

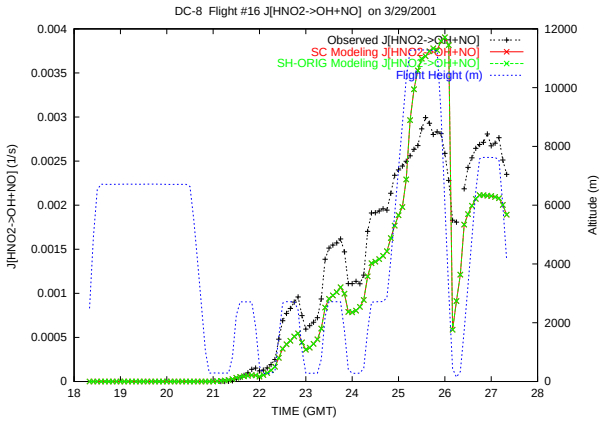

DC-8 Flight #16 AOE-550nm on 3/29/2001
Observed AOE-550nm
SC Modeling AOE-550nm
SH-ORIG Modeling AOE-550nm
Flight Height (m)
AOE-550nm (1/m)
Altitude (m)
TIME (GMT)

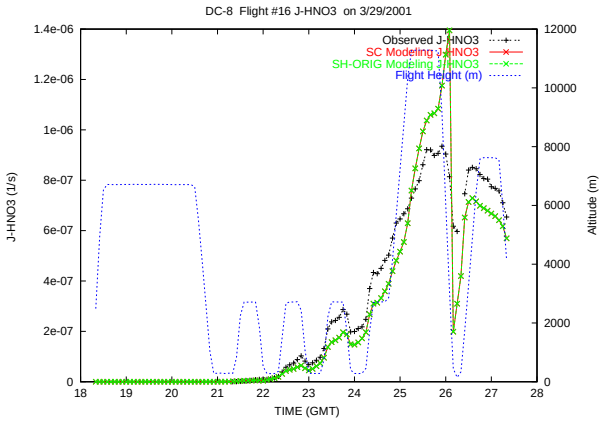

DC-8 Flight #16 S-Albedo on 3/29/2001
Observed S-Albedo
SC Modeling S-Albedo
SH-ORIG Modeling S-Albedo
Flight Height (m)
S-Albedo
Altitude (m)
TIME (GMT)

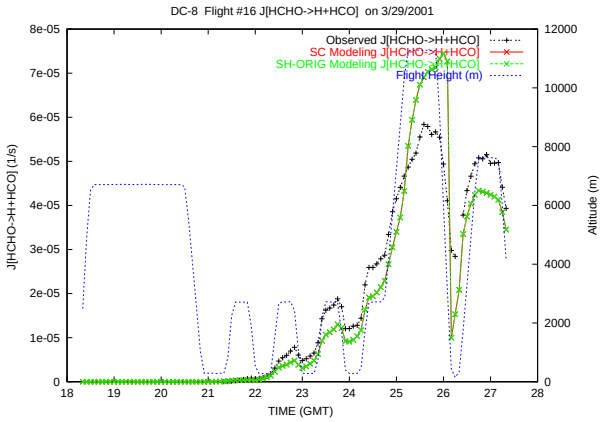

DC-8 Flight #16 J-NO2 on 3/29/2001
Observed J-NO2
SC Modeling J-NO2
SH-ORIG Modeling J-NO2
Flight Height (m)
J-NO2 (1/s)
Altitude (m)
TIME (GMT)

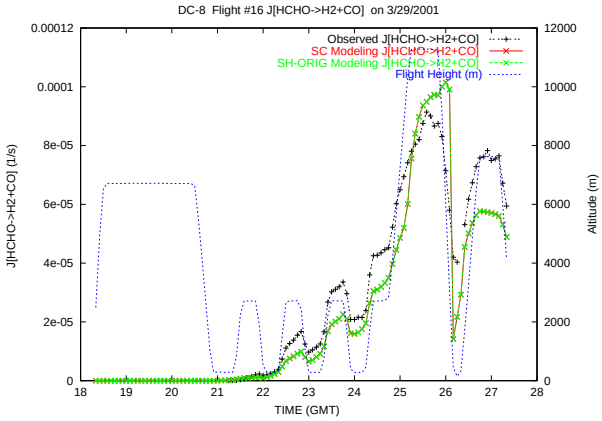

DC-8 Flight #16 J-O3D on 3/29/2001
Observed J-O3D
SC Modeling J-O3D
SH-ORIG Modeling J-O3D
Flight Height (m)
J-O3D (1/s)
Altitude (m)
TIME (GMT)

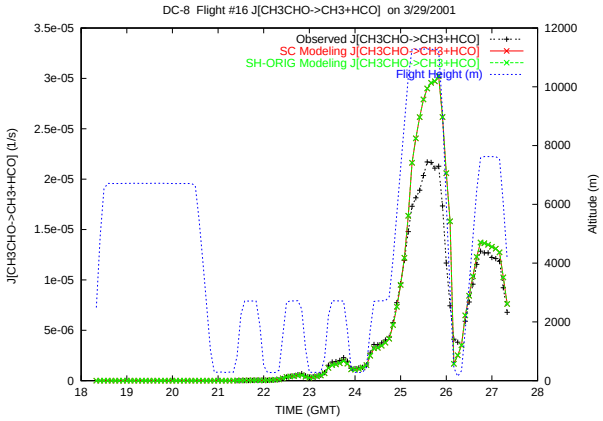

DC-8 Flight #16 J-H2O2 on 3/29/2001
Observed J-H2O2
SC Modeling J-H2O2
SH-ORIG Modeling J-H2O2
Flight Height (m)
J-H2O2 (1/s)
Altitude (m)
TIME (GMT)

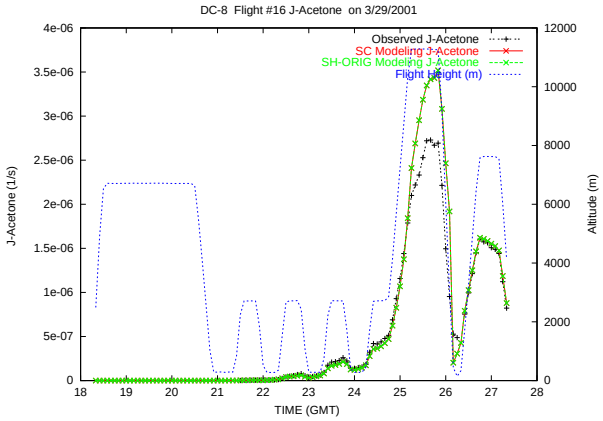

DC-8 Flight #16 J[HNO2->OH+NO] on 3/29/2001
Observed J[HNO2->OH+NO]
SC Modeling J[HNO2->OH+NO]
SH-ORIG Modeling J[HNO2->OH+NO]
Flight Height (m)
J[HNO2->OH+NO] (1/s)
Altitude (m)
TIME (GMT)

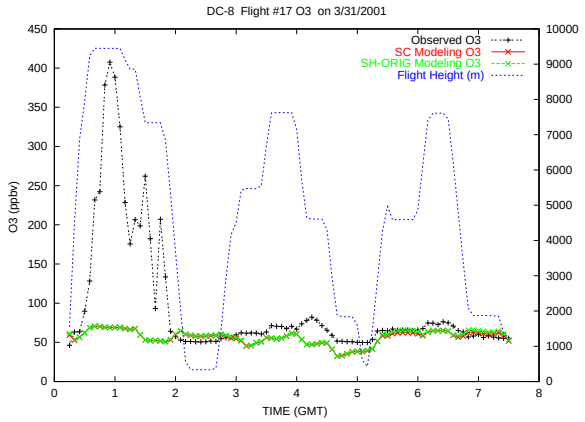

DC-8 Flight #16 J-HNO3 on 3/29/2001
Observed J-HNO3
SC Modeling J-HNO3
SH-ORIG Modeling J-HNO3
Flight Height (m)
J-HNO3 (1/s)
Altitude (m)
TIME (GMT)

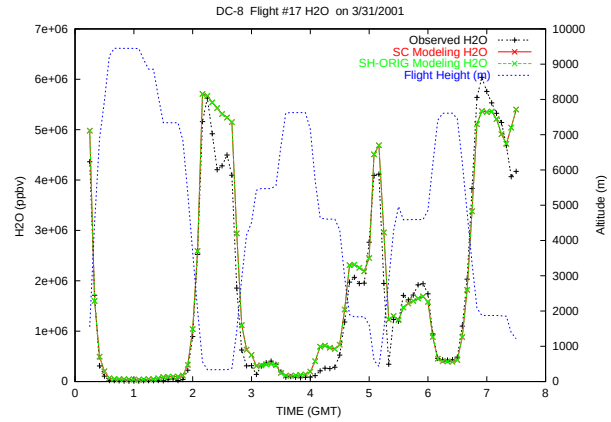

DC-8 Flight #16 J[HCHO->H+HCO] on 3/29/2001
Observed J[HCHO->H+HCO]
SC Modeling J[HCHO->H+HCO]
SH-ORIG Modeling J[HCHO->H+HCO]
Flight Height (m)
J[HCHO->H+HCO] (1/s)
Altitude (m)
TIME (GMT)

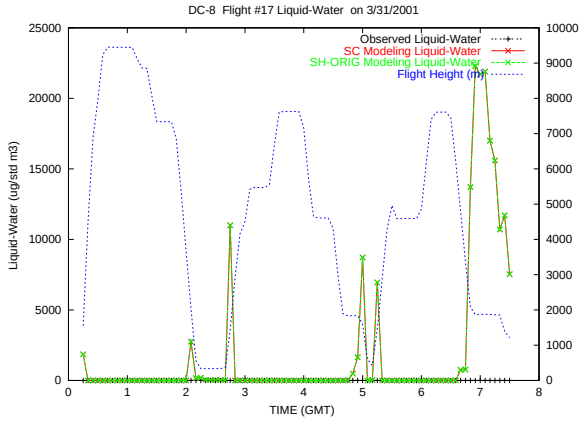

DC-8 Flight #16 J[HCHO->H2+CO] on 3/29/2001
Observed J[HCHO->H2+CO]
SC Modeling J[HCHO->H2+CO]
SH-ORIG Modeling J[HCHO->H2+CO]
Flight Height (m)
J[HCHO->H2+CO] (1/s)
Altitude (m)
TIME (GMT)

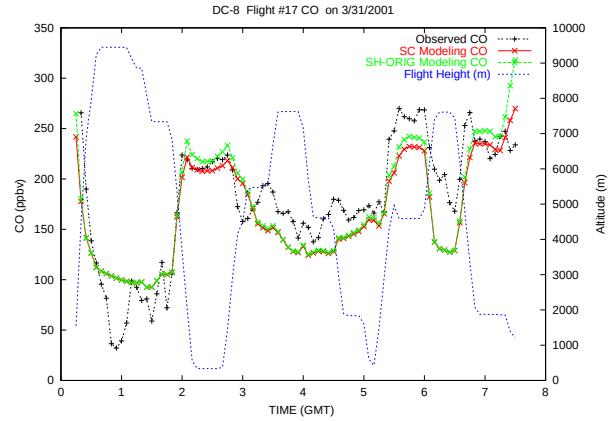

DC-8 Flight #16 J[CH3CHO->CH3+HCO] on 3/29/2001
Observed J[CH3CHO->CH3+HCO]
SC Modeling J[CH3CHO->CH3+HCO]
SH-ORIG Modeling J[CH3CHO->CH3+HCO]
Flight Height (m)
J[CH3CHO->CH3+HCO] (1/s)
Altitude (m)
TIME (GMT)

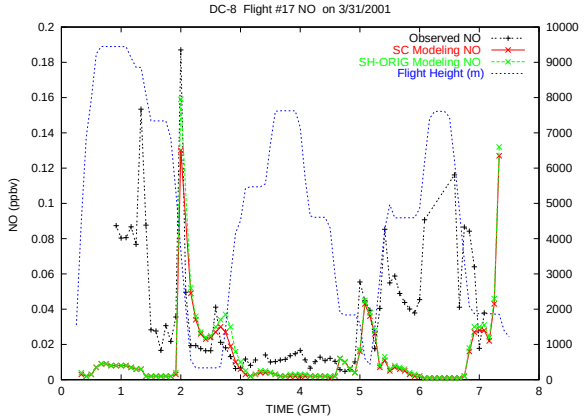

DC-8 Flight #16 J-Acetone on 3/29/2001
Observed J-Acetone
SC Modeling J-Acetone
SH-ORIG Modeling J-Acetone
Flight Height (m)
J-Acetone (1/s)
Altitude (m)
TIME (GMT)

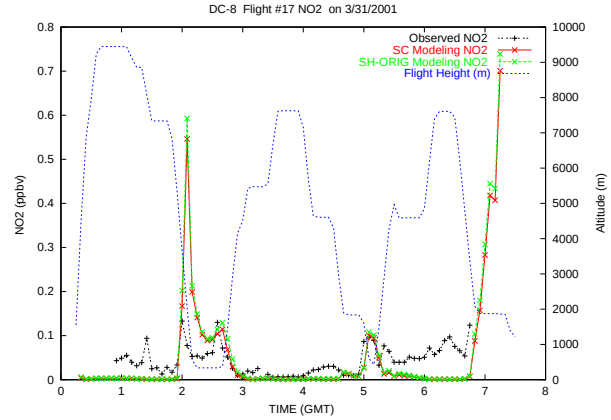

DC-8 Flight #17 O3 on 3/31/2001
Observed O3
SC Modeling O3
SH-ORIG Modeling O3
Flight Height (m)
O3 (ppbv)
Altitude (m)
TIME (GMT)

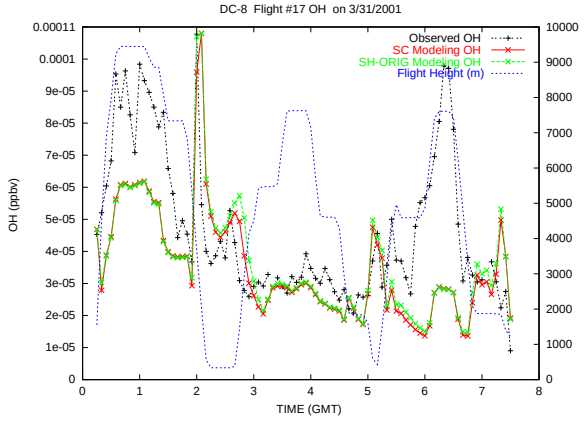

DC-8 Flight #17 H2O on 3/31/2001
Observed H2O
SC Modeling H2O
SH-ORIG Modeling H2O
Flight Height (m)
H2O (ppbv)
Altitude (m)
TIME (GMT)

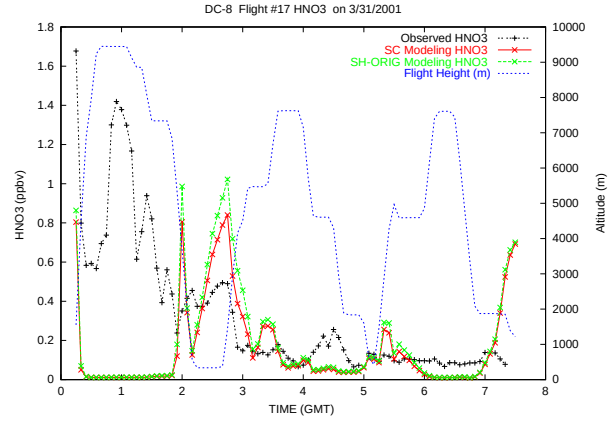

DC-8 Flight #17 Liquid-Water on 3/31/2001
Observed Liquid-Water
SC Modeling Liquid-Water
SH-ORIG Modeling Liquid-Water
Flight Height (m)
Liquid-Water (ug/std m3)
Altitude (m)
TIME (GMT)

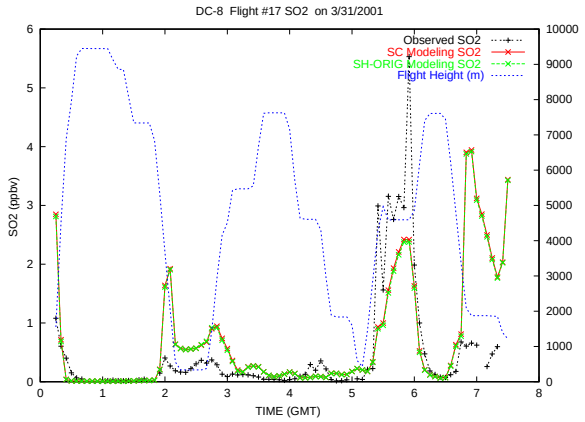

DC-8 Flight #17 CO on 3/31/2001
Observed CO
SC Modeling CO
SH-ORIG Modeling CO
Flight Height (m)
CO (ppbv)
Altitude (m)
TIME (GMT)

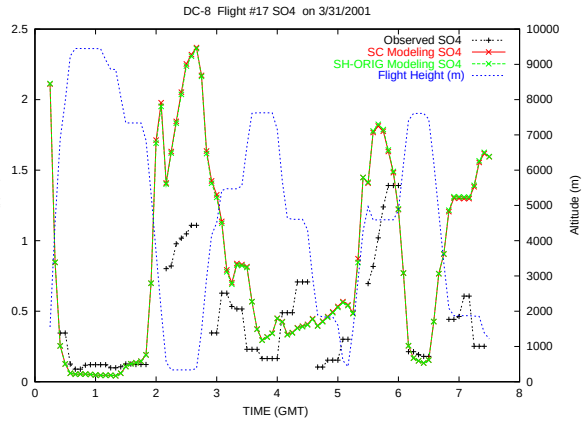

DC-8 Flight #17 NO on 3/31/2001
Observed NO
SC Modeling NO
SH-ORIG Modeling NO
Flight Height (m)
NO (ppbv)
Altitude (m)
TIME (GMT)

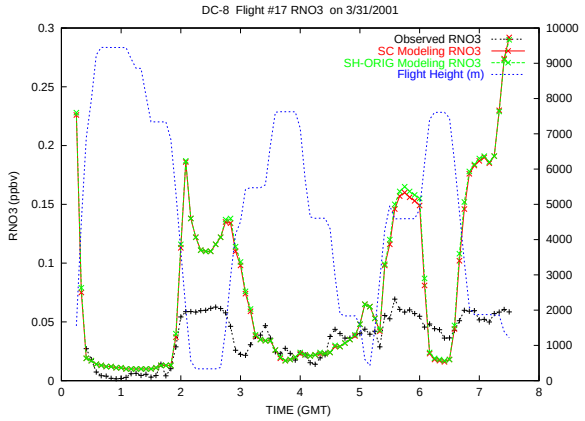

DC-8 Flight #17 NO2 on 3/31/2001
Observed NO2
SC Modeling NO2
SH-ORIG Modeling NO2
Flight Height (m)
NO2 (ppbv)
Altitude (m)
TIME (GMT)

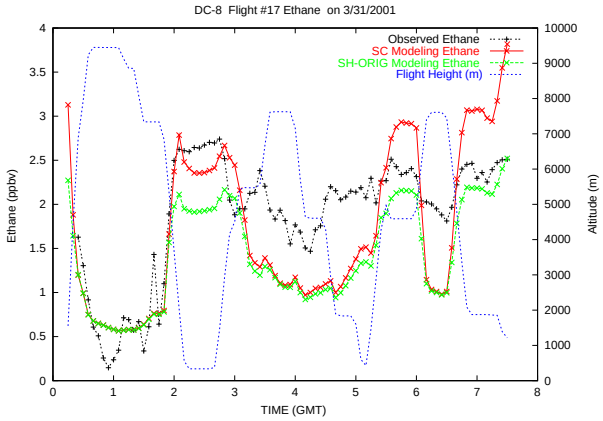

DC-8 Flight #17 OH on 3/31/2001
Observed OH
SC Modeling OH
SH-ORIG Modeling OH
Flight Height (m)
OH (ppbv)
Altitude (m)
TIME (GMT)

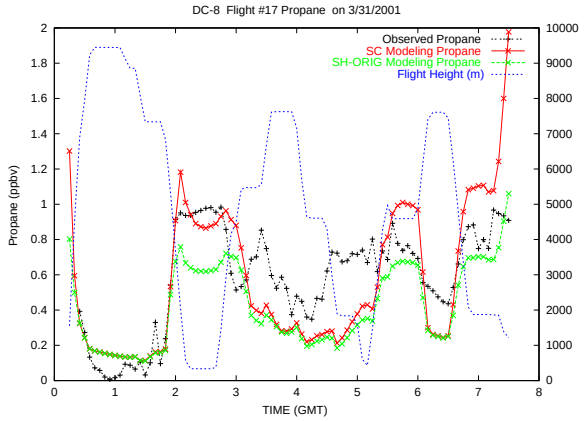

DC-8 Flight #17 HNO3 on 3/31/2001
Observed HNO3
SC Modeling HNO3
SH-ORIG Modeling HNO3
Flight Height (m)
HNO3 (ppbv)
Altitude (m)
TIME (GMT)

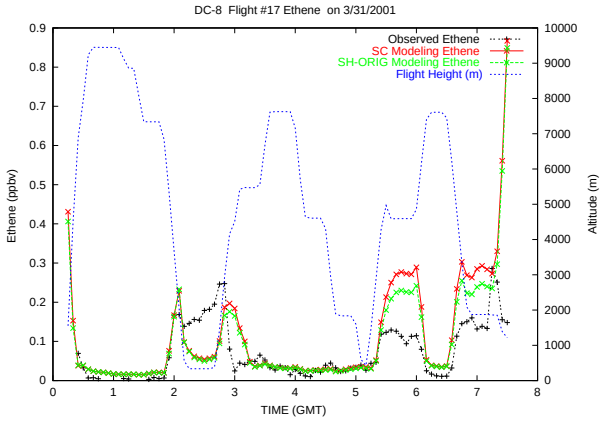

DC-8 Flight #17 SO2 on 3/31/2001
Observed SO2
SC Modeling SO2
SH-ORIG Modeling SO2
Flight Height (m)
SO2 (ppbv)
Altitude (m)
TIME (GMT)

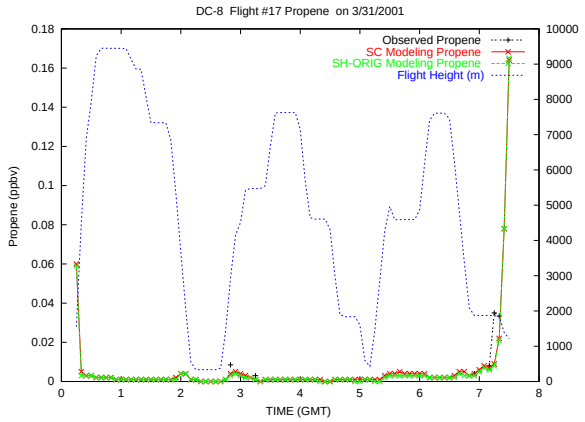

DC-8 Flight #17 SO4 on 3/31/2001
Observed SO4
SC Modeling SO4
SH-ORIG Modeling SO4
Flight Height (m)
SO4 (ppbv)
Altitude (m)
TIME (GMT)

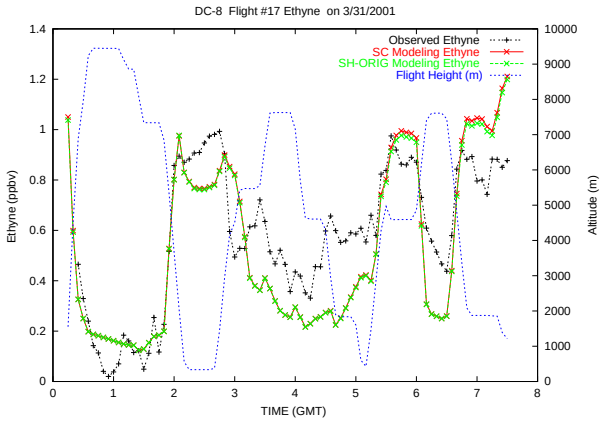

DC-8 Flight #17 RNO3 on 3/31/2001
Observed RNO3
SC Modeling RNO3
SH-ORIG Modeling RNO3
Flight Height (m)
RNO3 (ppbv)
Altitude (m)
TIME (GMT)

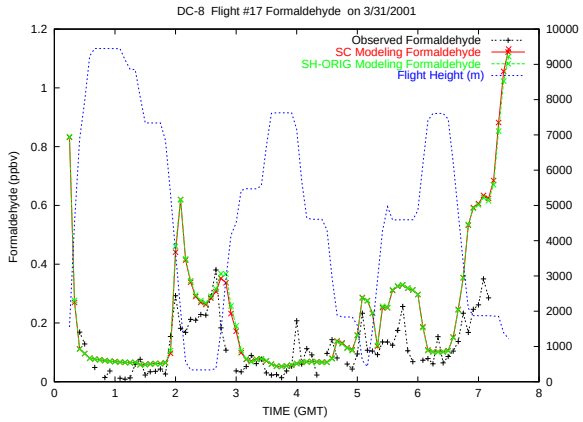

DC-8 Flight #17 Ethane on 3/31/2001
Observed Ethane
SC Modeling Ethane
SH-ORIG Modeling Ethane
Flight Height (m)
Ethane (ppbv)
Altitude (m)
TIME (GMT)

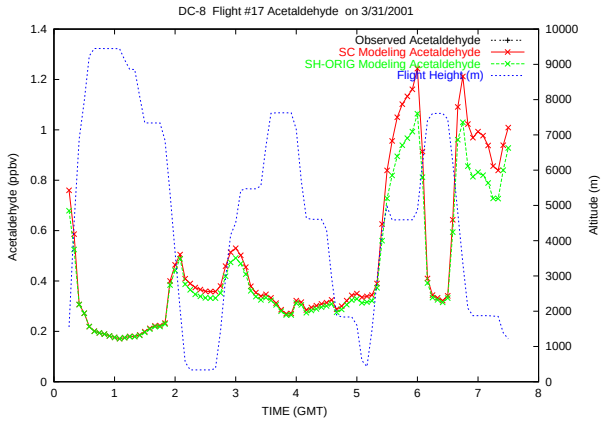

DC-8 Flight #17 Propane on 3/31/2001
Observed Propane
SC Modeling Propane
SH-ORIG Modeling Propane
Flight Height (m)
Propane (ppbv)
Altitude (m)
TIME (GMT)

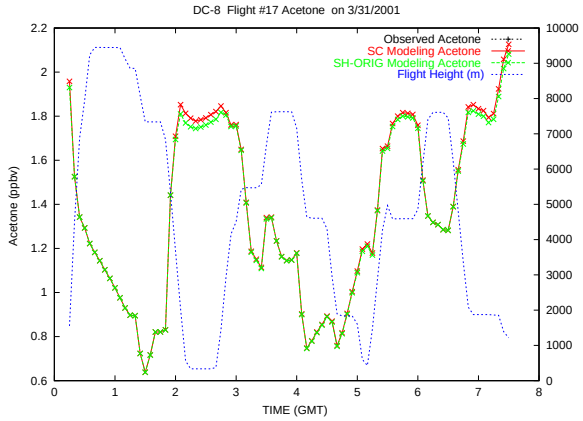

DC-8 Flight #17 Ethene on 3/31/2001
Observed Ethene
SC Modeling Ethene
SH-ORIG Modeling Ethene
Flight Height (m)
Ethene (ppbv)
Altitude (m)
TIME (GMT)

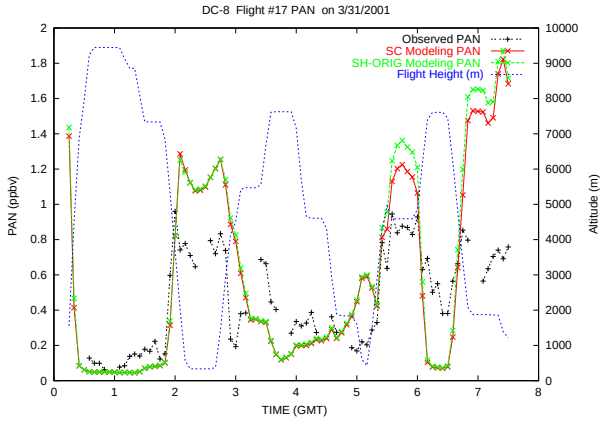

DC-8 Flight #17 Propene on 3/31/2001
Observed Propene
SC Modeling Propene
SH-ORIG Modeling Propene
Flight Height (m)
Propene (ppbv)
Altitude (m)
TIME (GMT)

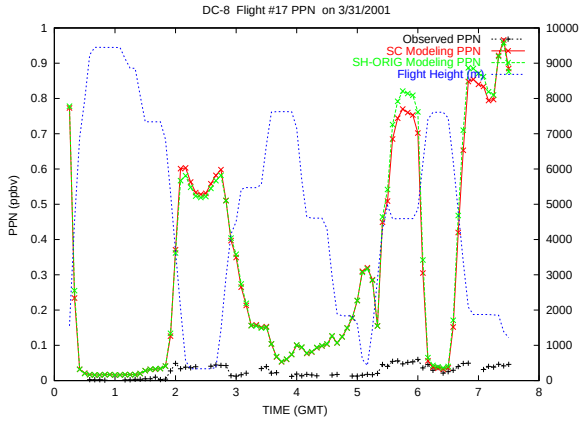

DC-8 Flight #17 Ethyne on 3/31/2001
Observed Ethyne
SC Modeling Ethyne
SH-ORIG Modeling Ethyne
Flight Height (m)
Ethyne (ppbv)
Altitude (m)
TIME (GMT)

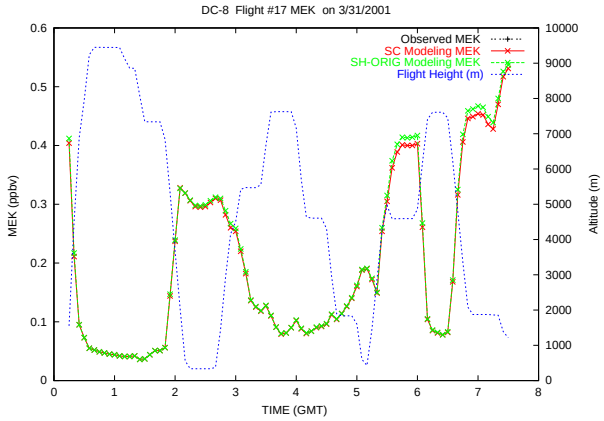

DC-8 Flight #17 Formaldehyde on 3/31/2001
Observed Formaldehyde
SC Modeling Formaldehyde
SH-ORIG Modeling Formaldehyde
Flight Height (m)
Formaldehyde (ppbv)
Altitude (m)
TIME (GMT)

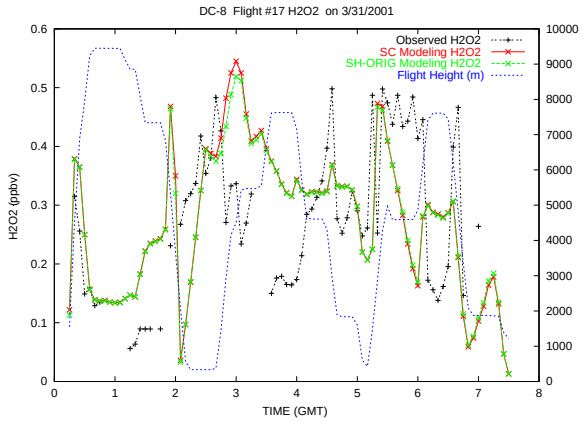

DC-8 Flight #17 Acetaldehyde on 3/31/2001
Observed Acetaldehyde
SC Modeling Acetaldehyde
SH-ORIG Modeling Acetaldehyde
Flight Height (m)
Acetaldehyde (ppbv)
Altitude (m)
TIME (GMT)

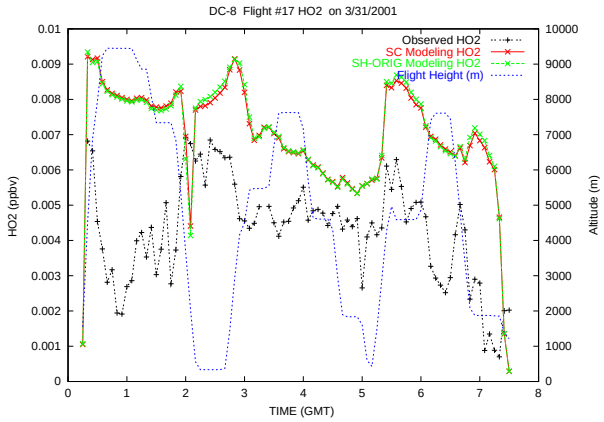

DC-8 Flight #17 Acetone on 3/31/2001
Observed Acetone
SC Modeling Acetone
SH-ORIG Modeling Acetone
Flight Height (m)
Acetone (ppbv)
Altitude (m)
TIME (GMT)

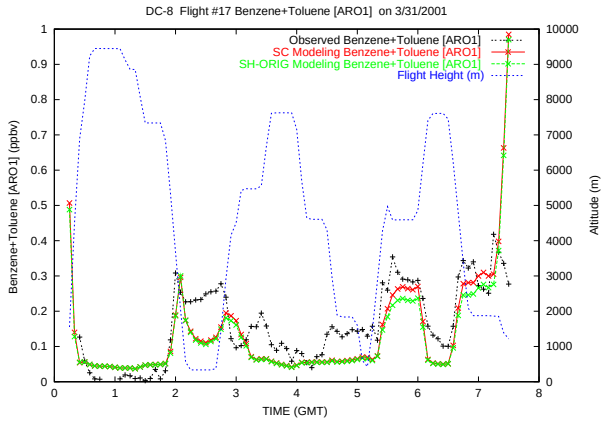

DC-8 Flight #17 PAN on 3/31/2001
Observed PAN
SC Modeling PAN
SH-ORIG Modeling PAN
Flight Height (m)
PAN (ppbv)
Altitude (m)
TIME (GMT)

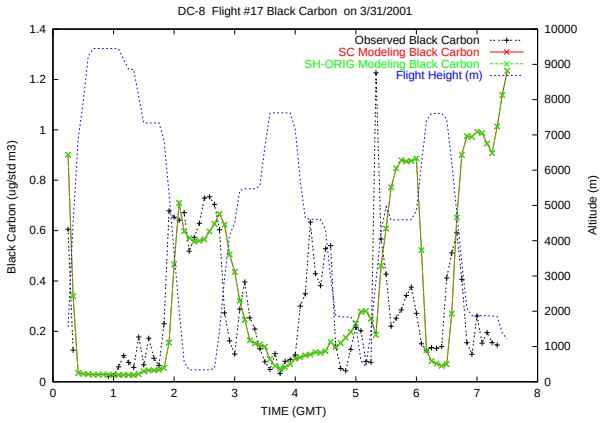

DC-8 Flight #17 PPN on 3/31/2001
Observed PPN
SC Modeling PPN
SH-ORIG Modeling PPN
Flight Height (m)
PPN (ppbv)
Altitude (m)
TIME (GMT)

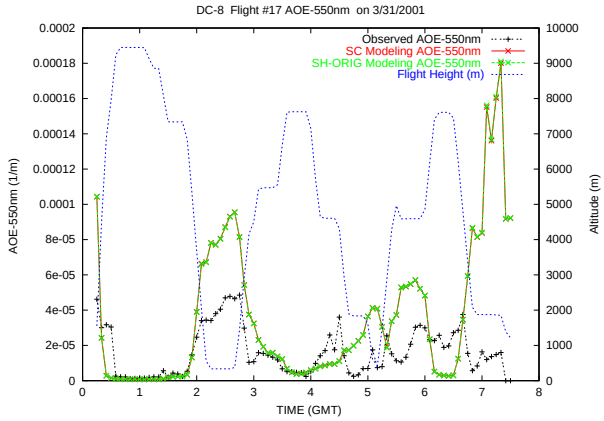

DC-8 Flight #17 MEK on 3/31/2001
Observed MEK
SC Modeling MEK
SH-ORIG Modeling MEK
Flight Height (m)
MEK (ppbv)
Altitude (m)
TIME (GMT)

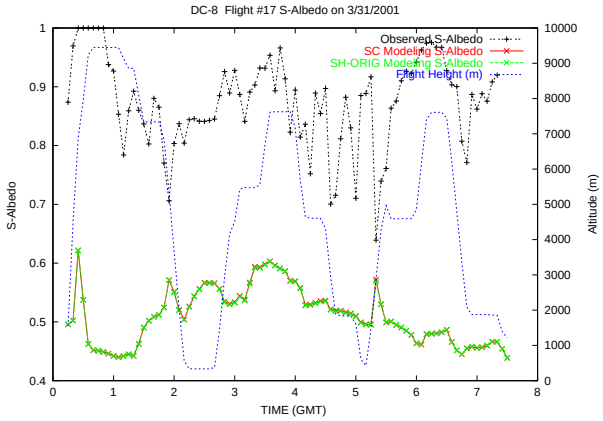

DC-8 Flight #17 H2O2 on 3/31/2001
Observed H2O2
SC Modeling H2O2
SH-ORIG Modeling H2O2
Flight Height (m)
H2O2 (ppbv)
Altitude (m)
TIME (GMT)

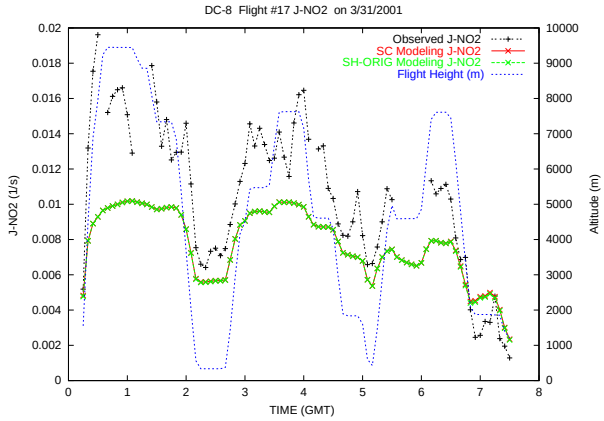

DC-8 Flight #17 HO2 on 3/31/2001
Observed HO2
SC Modeling HO2
SH-ORIG Modeling HO2
Flight Height (m)
HO2 (ppbv)
Altitude (m)
TIME (GMT)

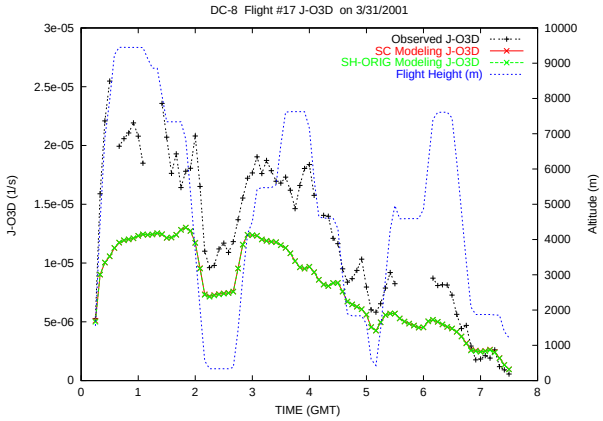

DC-8 Flight #17 Benzene+Toluene [ARO1] on 3/31/2001
Observed Benzene+Toluene [ARO1]
SC Modeling Benzene+Toluene [ARO1]
SH-ORIG Modeling Benzene+Toluene [ARO1]
Flight Height (m)
Benzene+Toluene [ARO1] (pptv)
Altitude (m)
TIME (GMT)

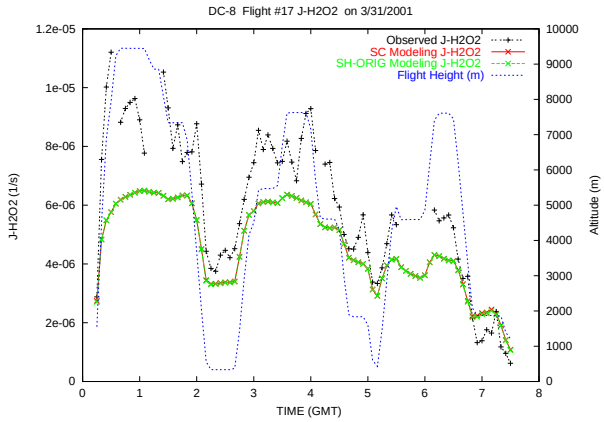

DC-8 Flight #17 Black Carbon on 3/31/2001
Observed Black Carbon
SC Modeling Black Carbon
SH-ORIG Modeling Black Carbon
Flight Height (m)
Black Carbon (ug/std m3)
Altitude (m)
TIME (GMT)

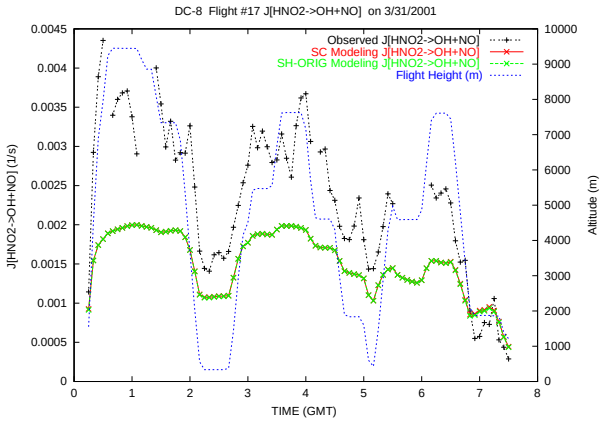

DC-8 Flight #17 AOE-550nm on 3/31/2001
Observed AOE-550nm
SC Modeling AOE-550nm
SH-ORIG Modeling AOE-550nm
Flight Height (m)
AOE-550nm (1/m)
Altitude (m)
TIME (GMT)

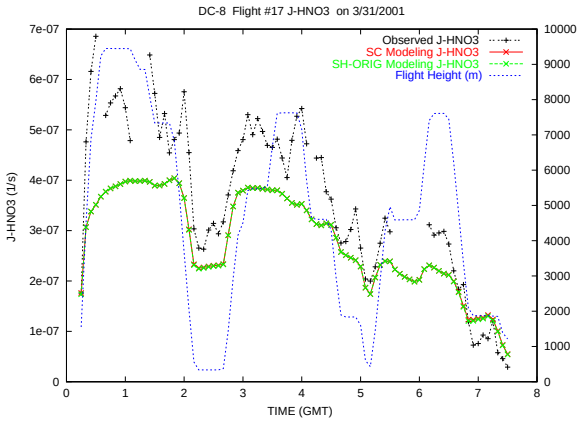

DC-8 Flight #17 S-Albedo on 3/31/2001
Observed S-Albedo
SC Modeling S-Albedo
SH-ORIG Modeling S-Albedo
Flight Height (m)
S-Albedo
Altitude (m)
TIME (GMT)

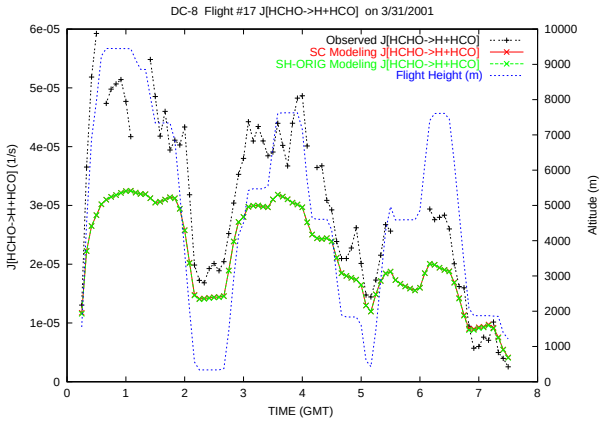

DC-8 Flight #17 J-NO2 on 3/31/2001
Observed J-NO2
SC Modeling J-NO2
SH-ORIG Modeling J-NO2
Flight Height (m)
J-NO2 (1/s)
Altitude (m)
TIME (GMT)

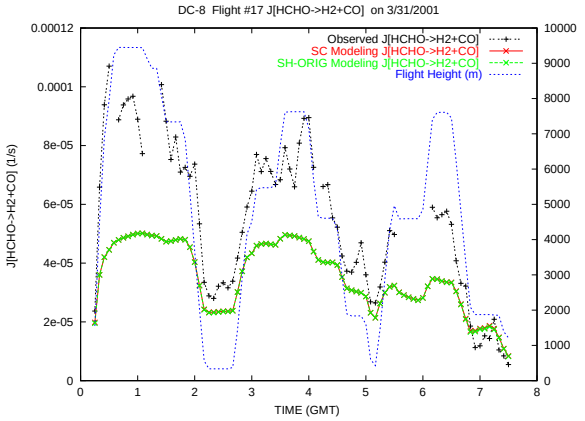

DC-8 Flight #17 J-O3D on 3/31/2001
Observed J-O3D
SC Modeling J-O3D
SH-ORIG Modeling J-O3D
Flight Height (m)
J-O3D (1/s)
Altitude (m)
TIME (GMT)

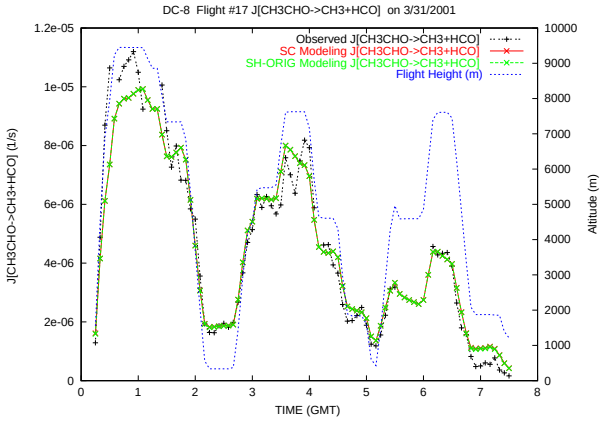

DC-8 Flight #17 J-H2O2 on 3/31/2001
Observed J-H2O2
SC Modeling J-H2O2
SH-ORIG Modeling J-H2O2
Flight Height (m)
J-H2O2 (1/s)
Altitude (m)
TIME (GMT)

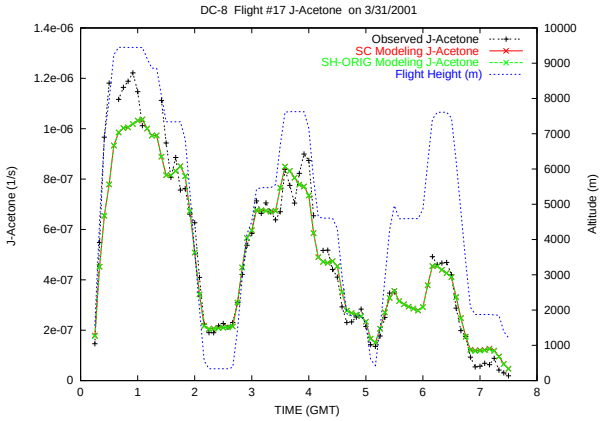

DC-8 Flight #17 J[HNO2->OH+NO] on 3/31/2001
Observed J[HNO2->OH+NO]
SC Modeling J[HNO2->OH+NO]
SH-ORIG Modeling J[HNO2->OH+NO]
Flight Height (m)
J[HNO2->OH+NO] (1/s)
Altitude (m)
TIME (GMT)


DC-8 Flight #17 J-HNO3 on 3/31/2001
Observed J-HNO3
SC Modeling J-HNO3
SH-ORIG Modeling J-HNO3
Flight Height (m)
J-HNO3 (1/s)
Altitude (m)
TIME (GMT)


DC-8 Flight #17 J[HCHO->H+HCO] on 3/31/2001
Observed J[HCHO->H+HCO]
SC Modeling J[HCHO->H+HCO]
SH-ORIG Modeling J[HCHO->H+HCO]
Flight Height (m)
J[HCHO->H+HCO] (1/s)
Altitude (m)
TIME (GMT)


DC-8 Flight #17 J[HCHO->H2+CO] on 3/31/2001
Observed J[HCHO->H2+CO]
SC Modeling J[HCHO->H2+CO]
SH-ORIG Modeling J[HCHO->H2+CO]
Flight Height (m)
J[HCHO->H2+CO] (1/s)
Altitude (m)
TIME (GMT)


DC-8 Flight #17 J[CH3CHO->CH3+HCO] on 3/31/2001
Observed J[CH3CHO->CH3+HCO]
SC Modeling J[CH3CHO->CH3+HCO]
SH-ORIG Modeling J[CH3CHO->CH3+HCO]
Flight Height (m)
J[CH3CHO->CH3+HCO] (1/s)
Altitude (m)
TIME (GMT)


DC-8 Flight #17 J-Acetone on 3/31/2001
Observed J-Acetone
SC Modeling J-Acetone
SH-ORIG Modeling J-Acetone
Flight Height (m)
J-Acetone (1/s)
Altitude (m)
TIME (GMT)