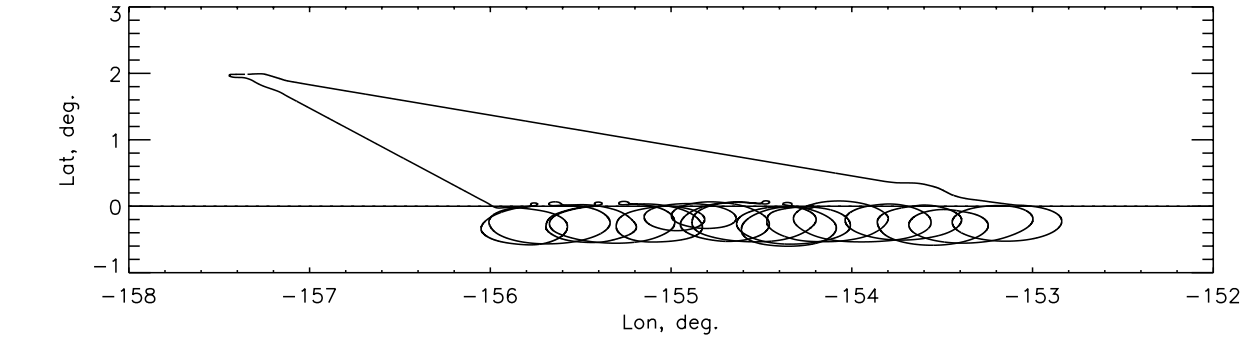
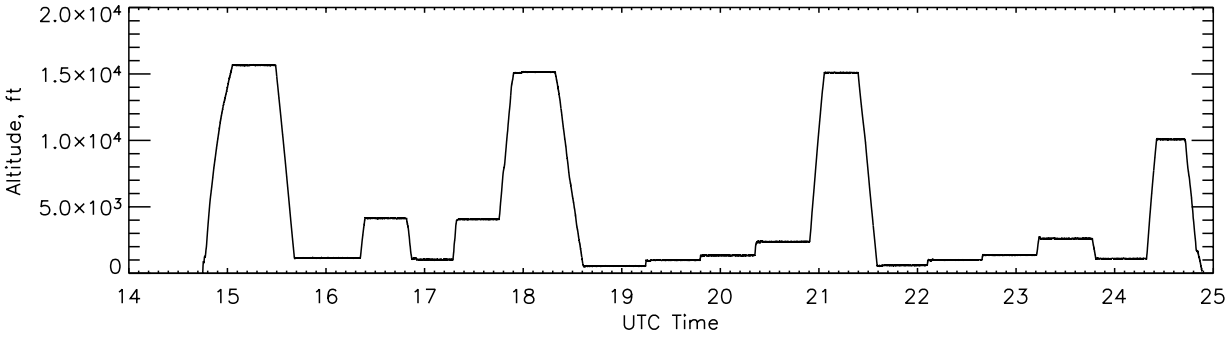
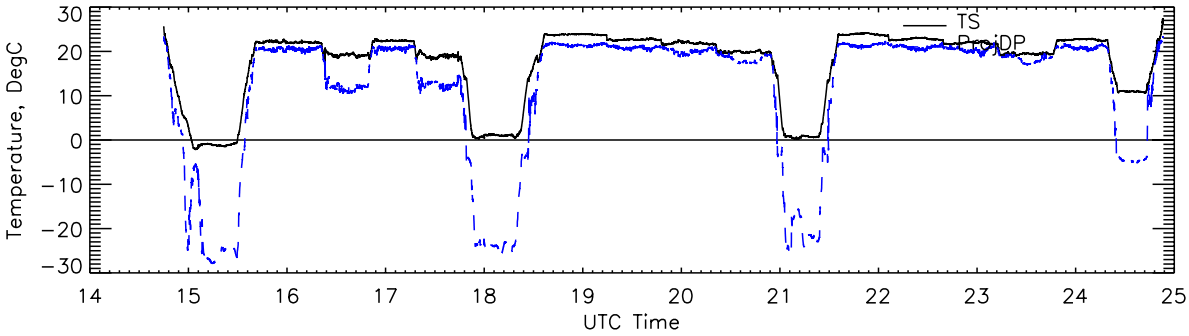
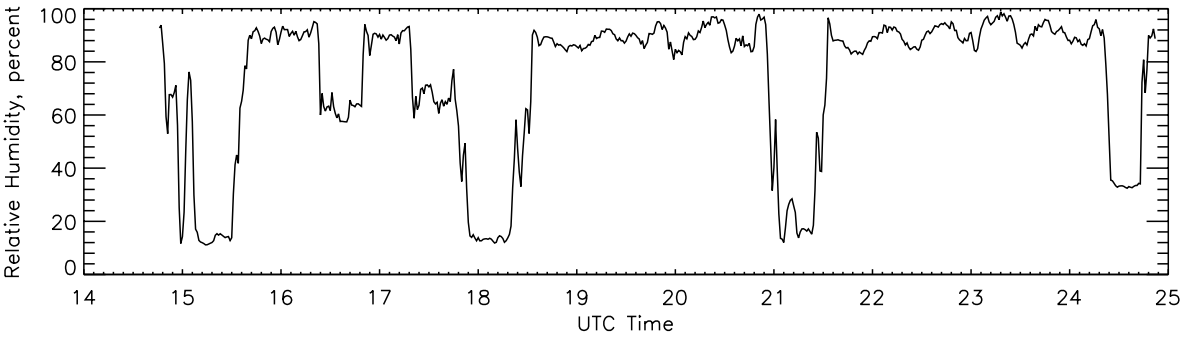
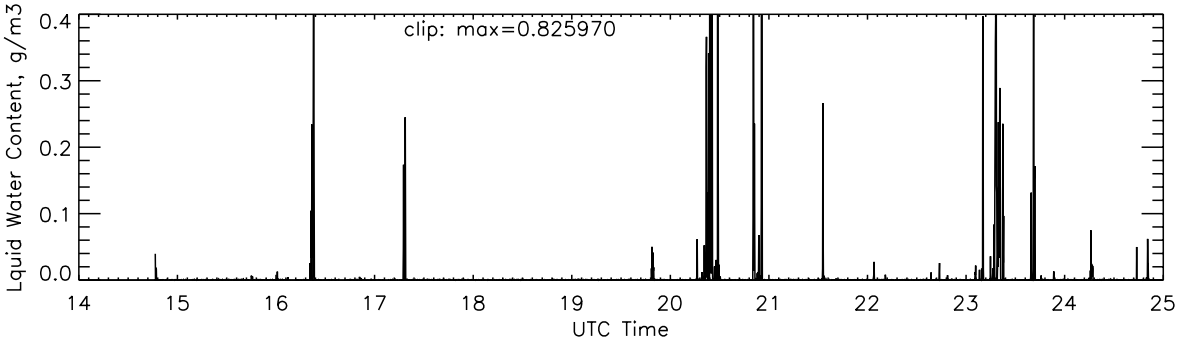
FINAL DATA: PEM Tropics B P3-B Flight 10

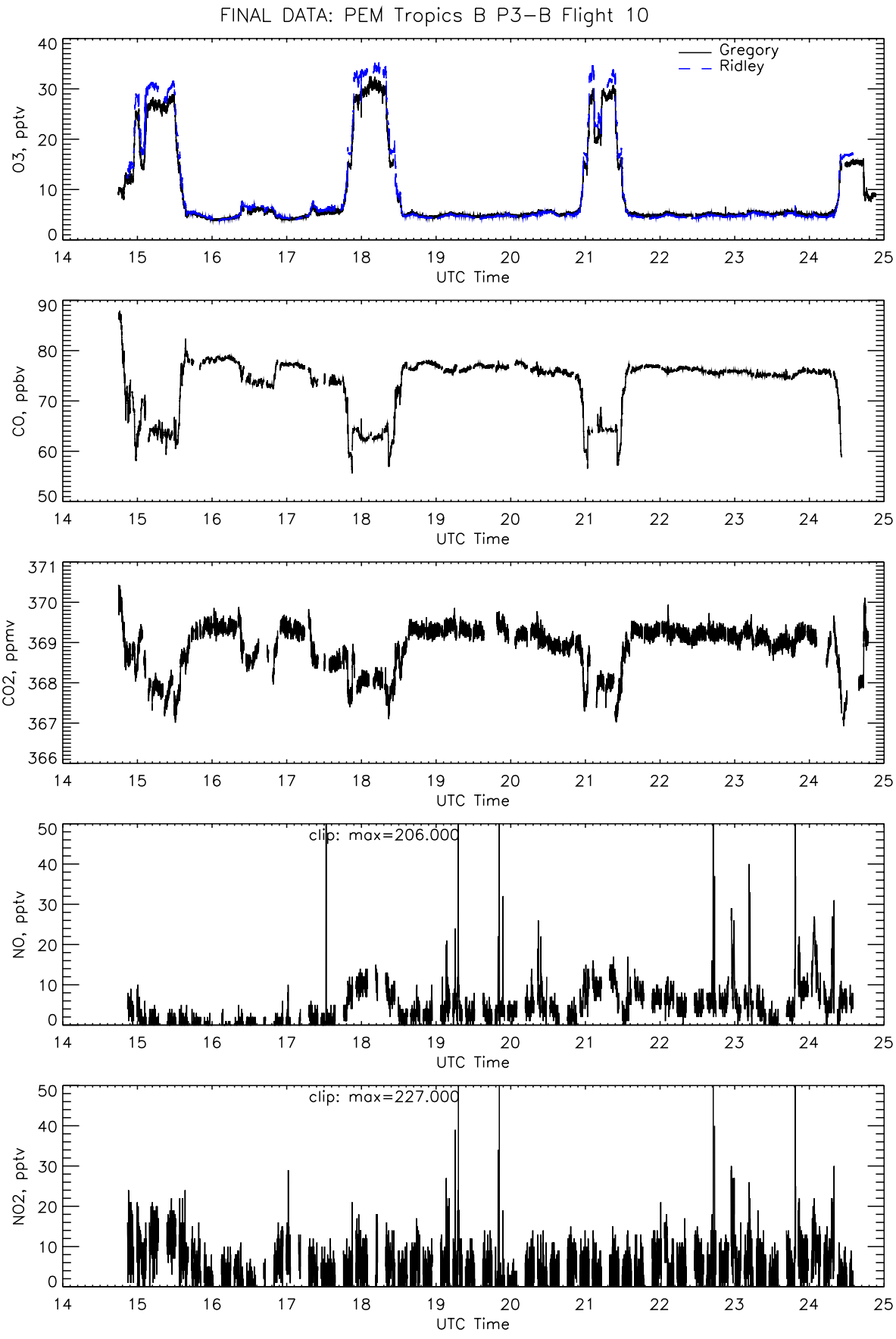




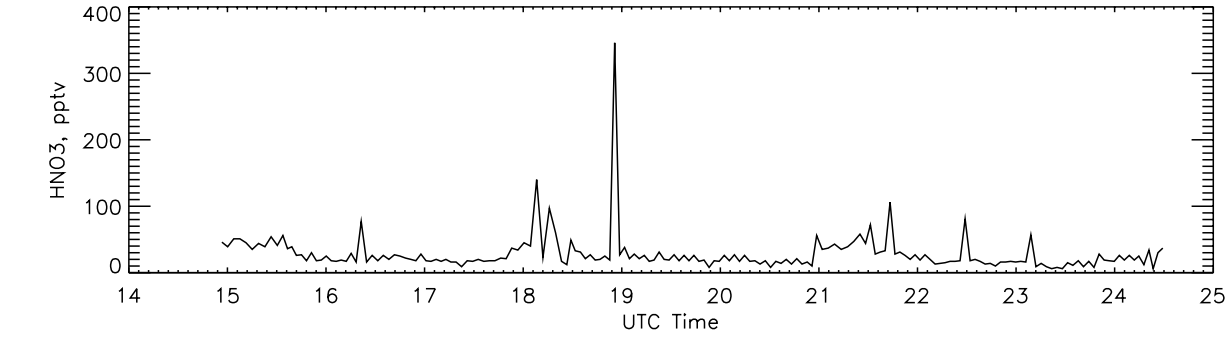


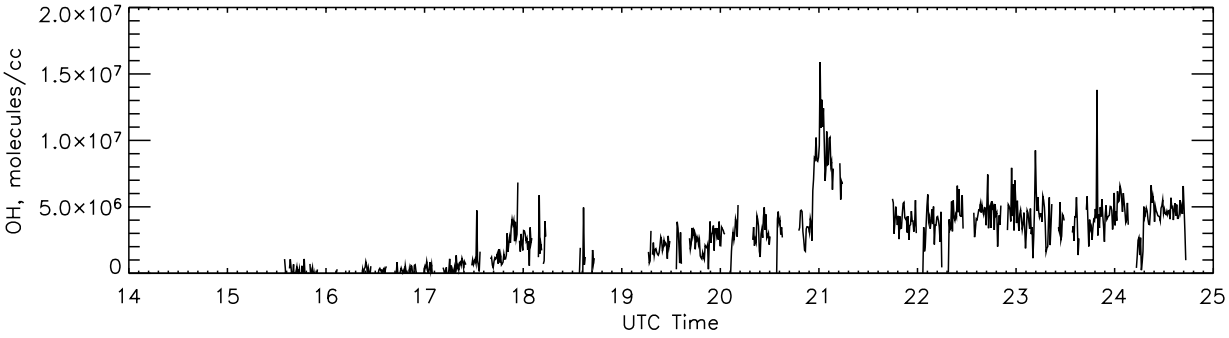


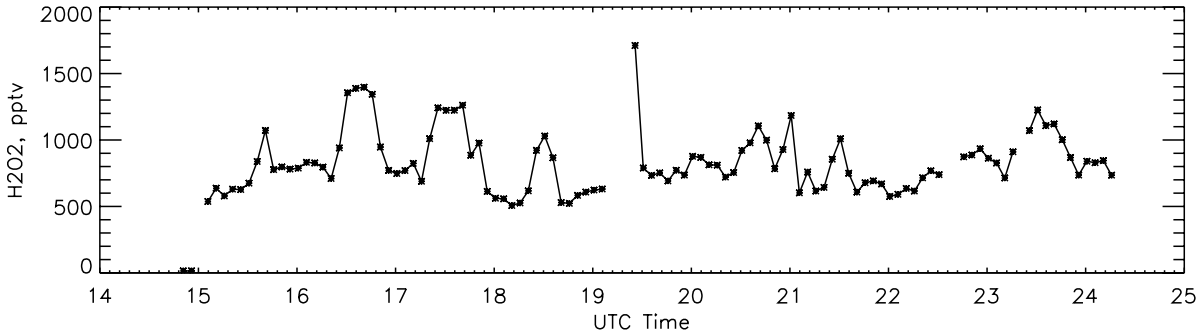


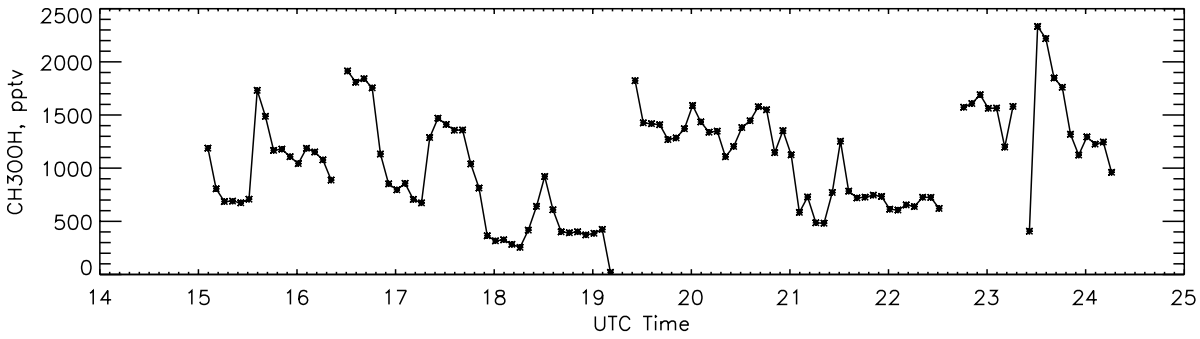

FINAL DATA: PEM Tropics B P3-B Flight 10
Gregory
Ridley
O3, pptv
CO, ppbv
CO2, ppmv
NO, pptv
clip: max=206.000
NO2, pptv
clip: max=227.000
UTC Time

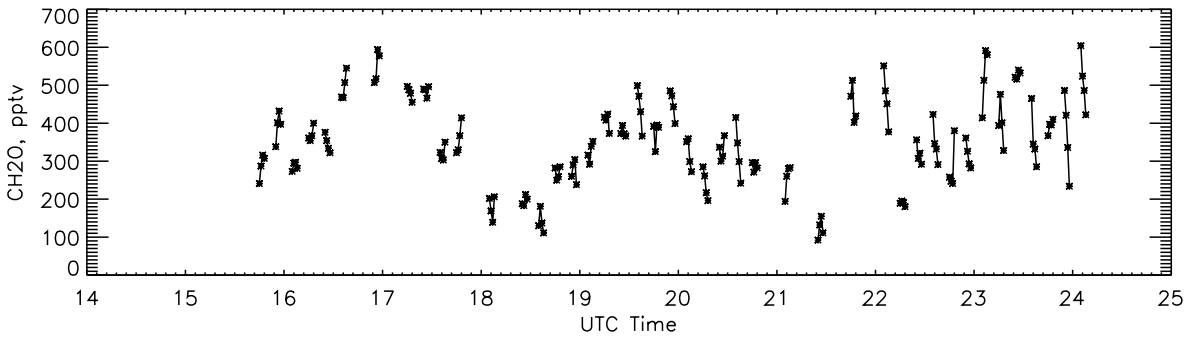
FINAL DATA: PEM Tropics B P3-B Flight 10

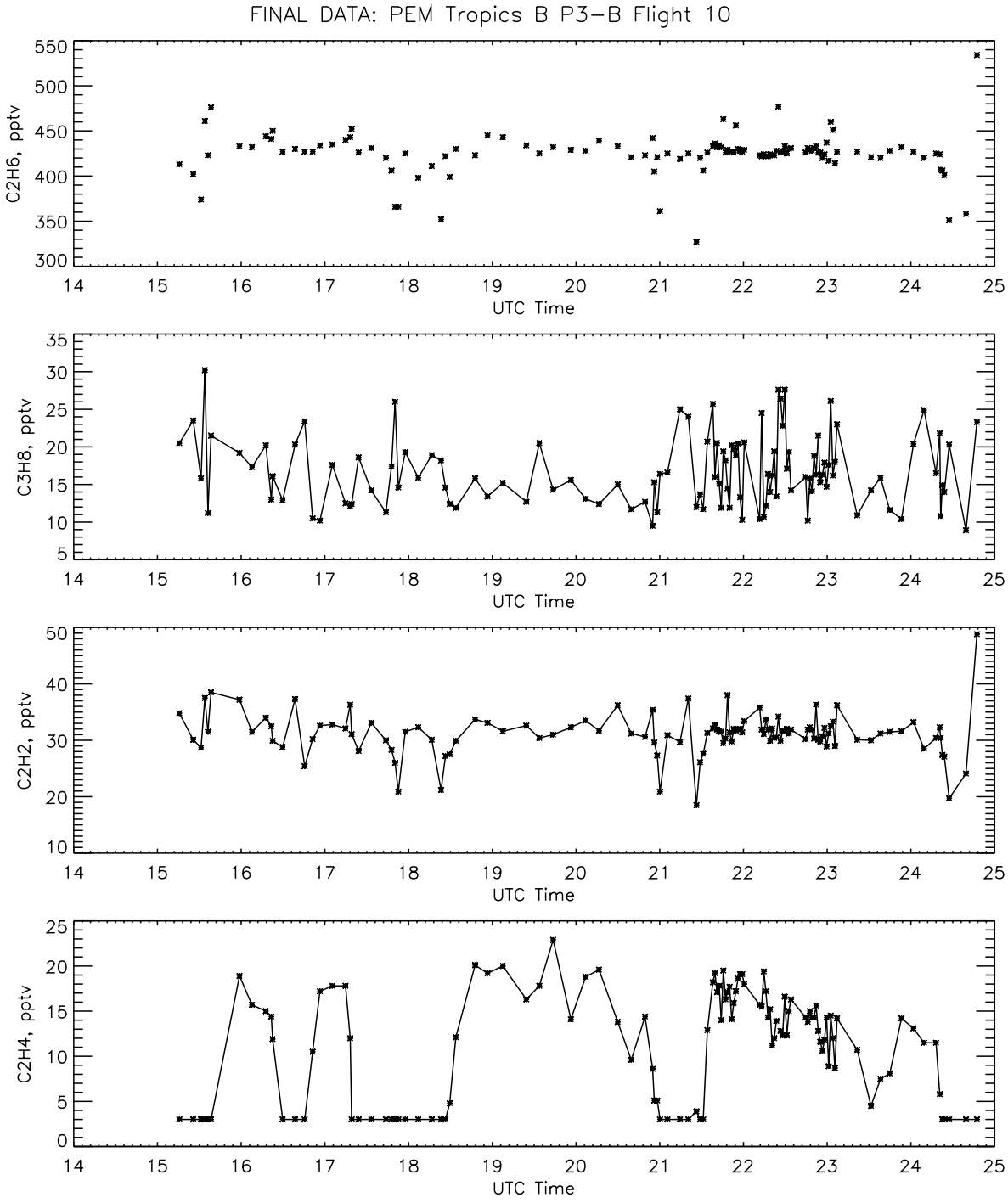











FINAL DATA: PEM Tropics B P3-B Flight 10
C2H6, pptv
C3H8, pptv
C2H2, pptv
C2H4, pptv
UTC Time

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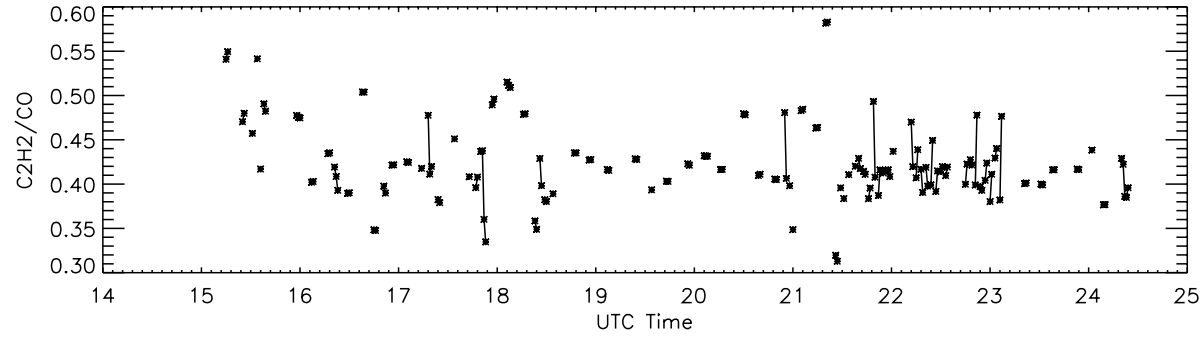
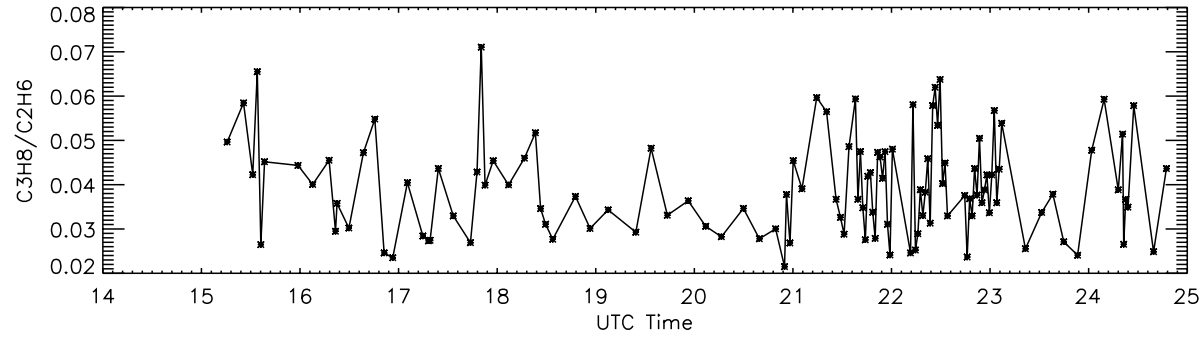
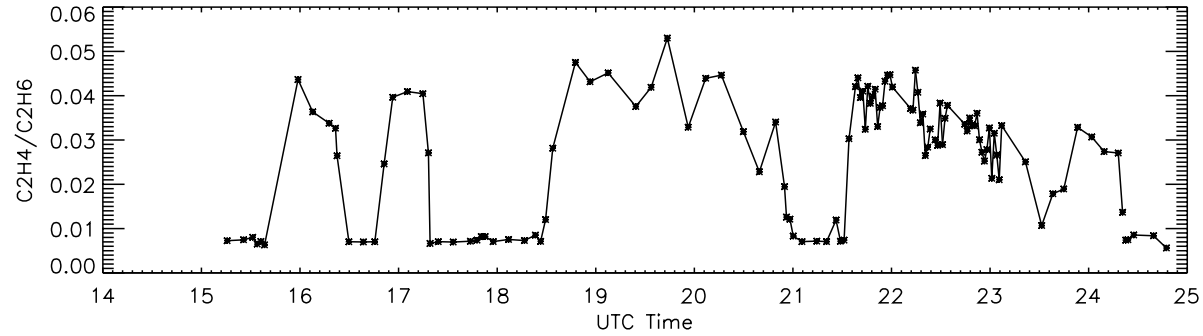
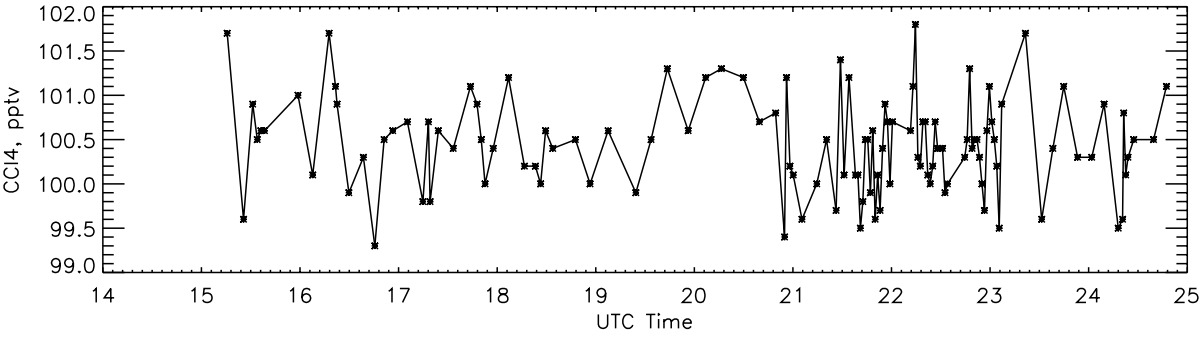
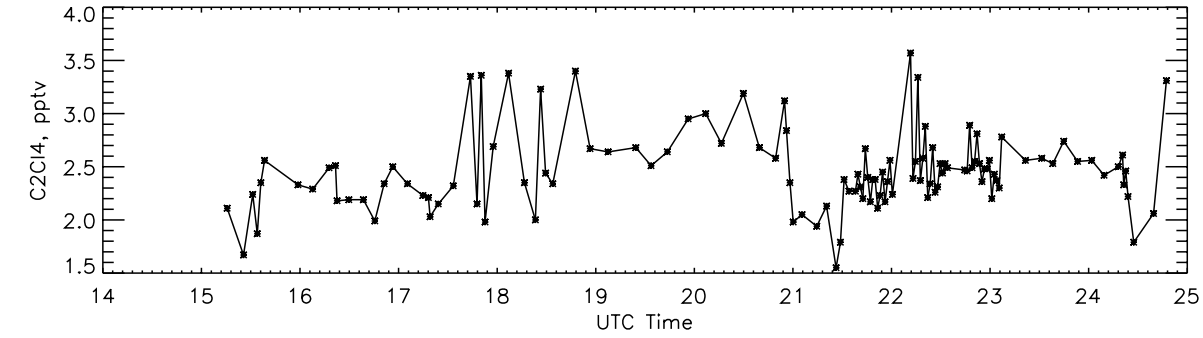
FINAL DATA: PEM Tropics B P3-B Flight 10



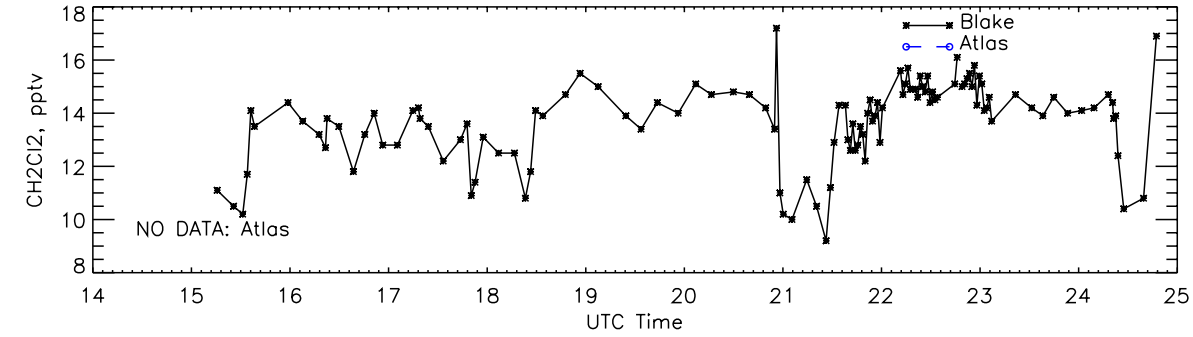


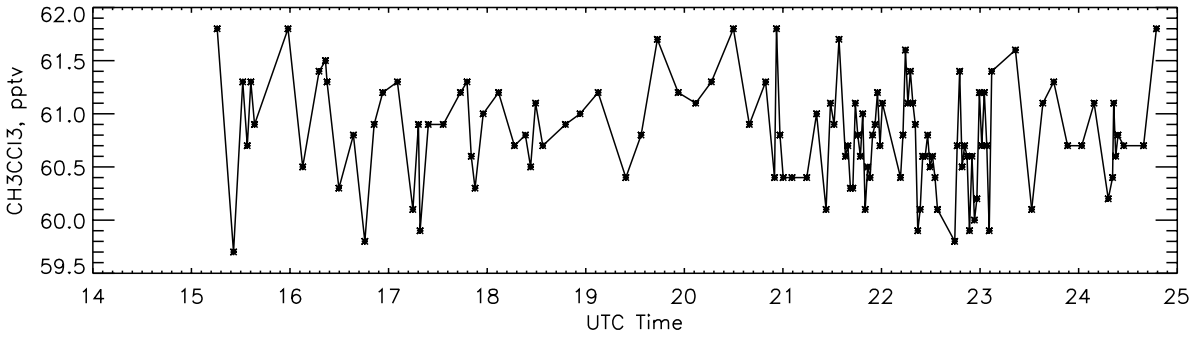


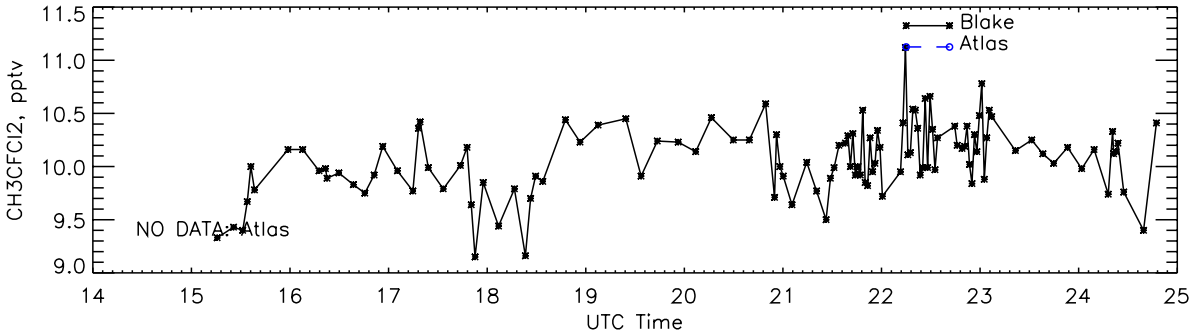


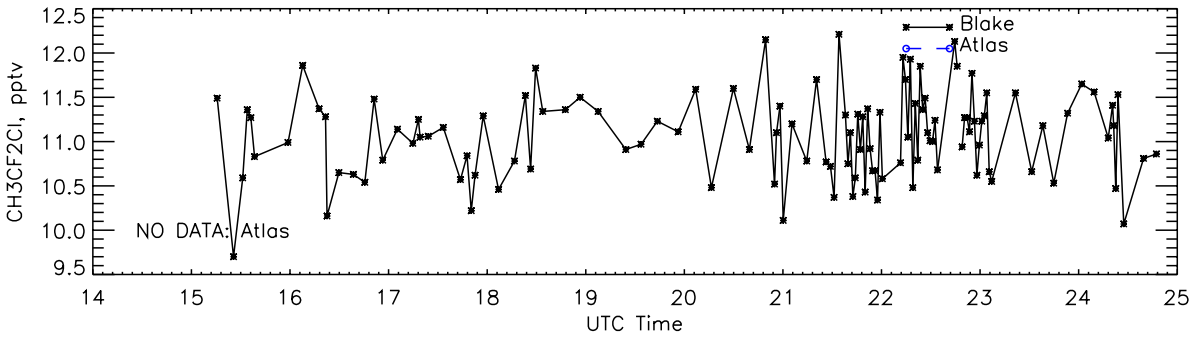


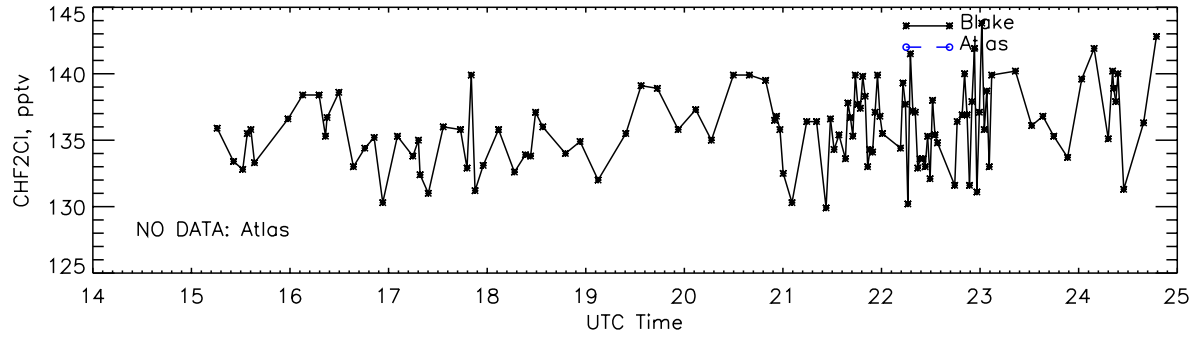
FINAL DATA: PEM Tropics B P3-B Flight 10



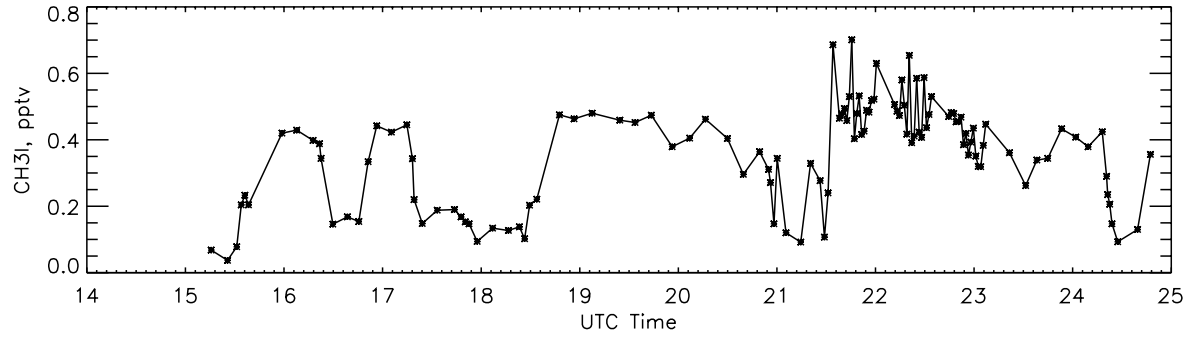


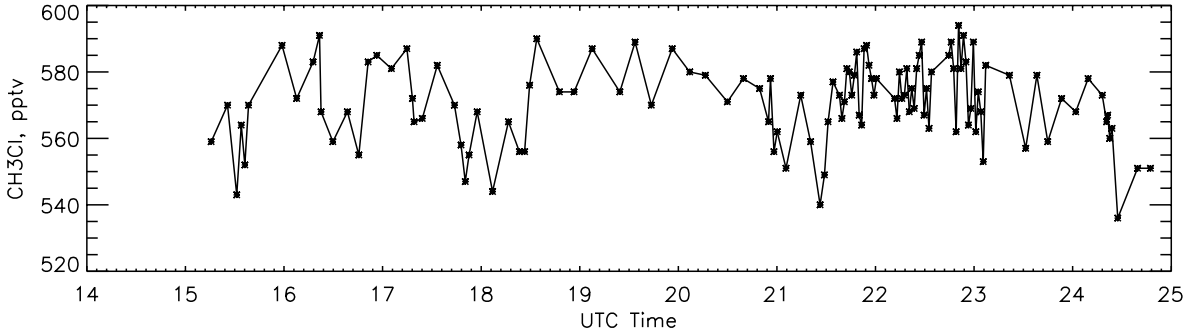


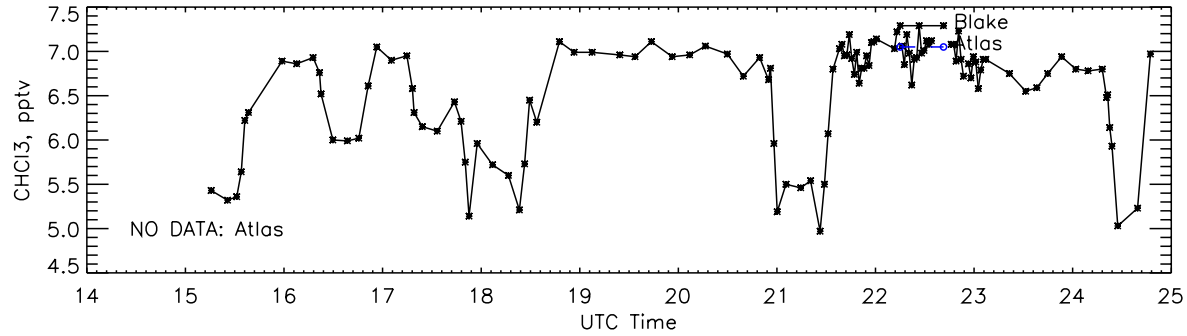


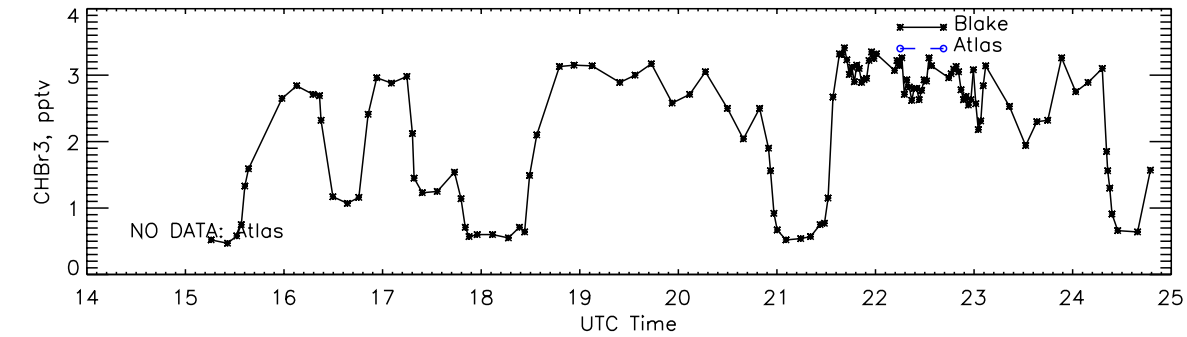


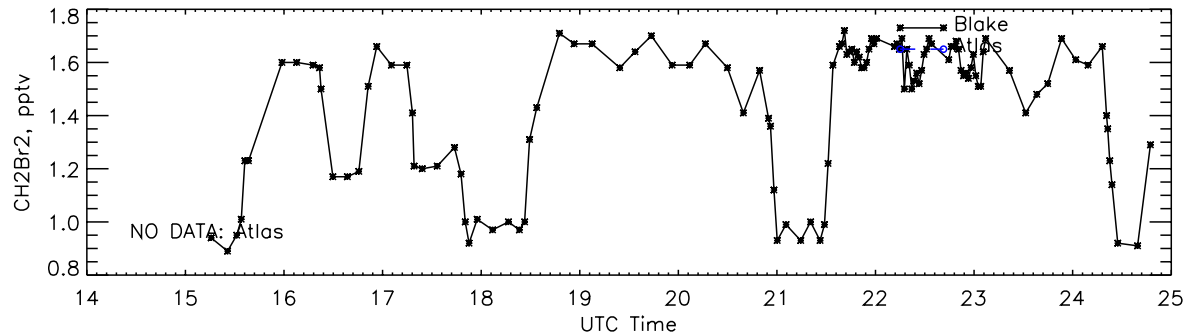
FINAL DATA: PEM Tropics B P3-B Flight 10



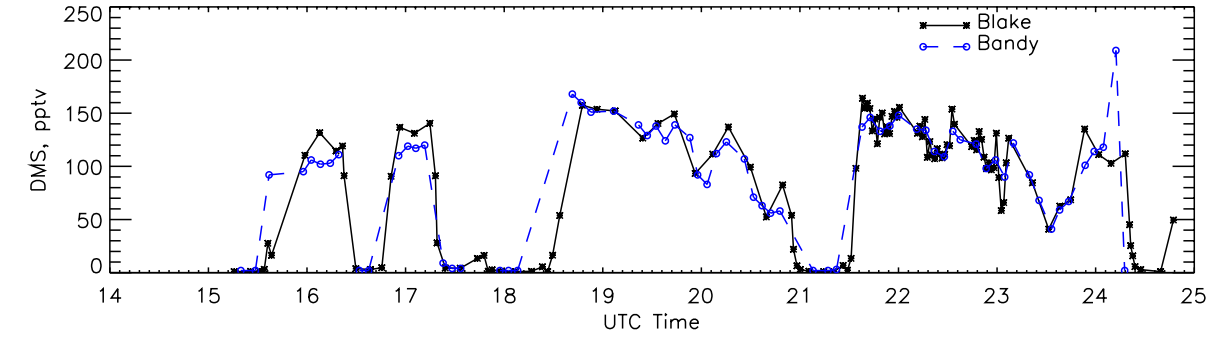


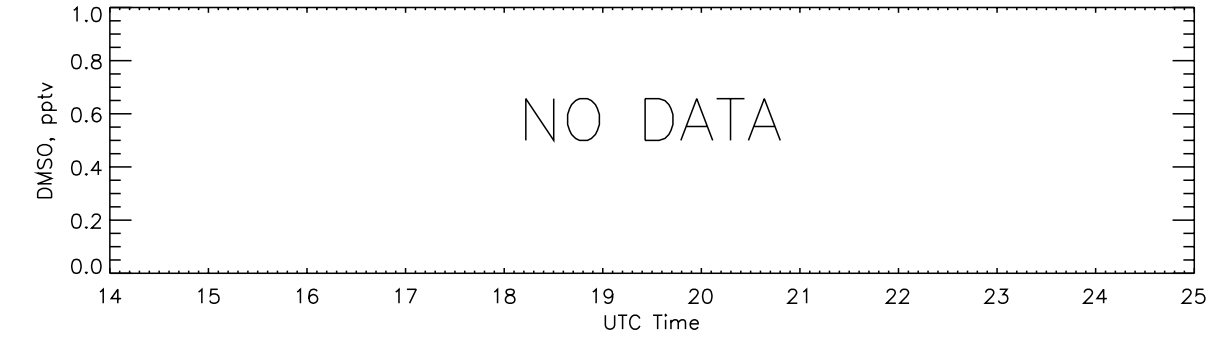


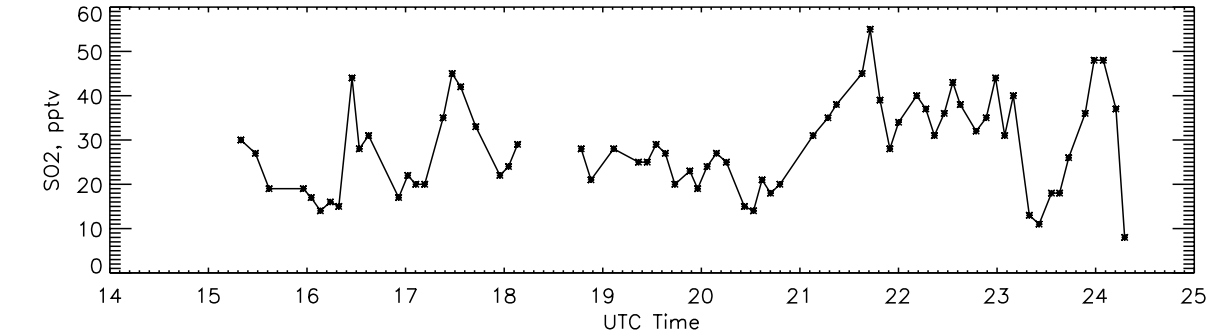


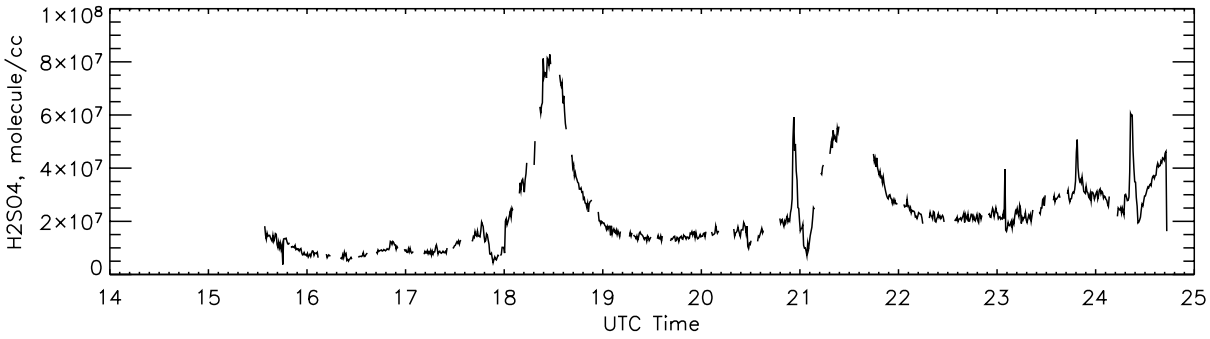


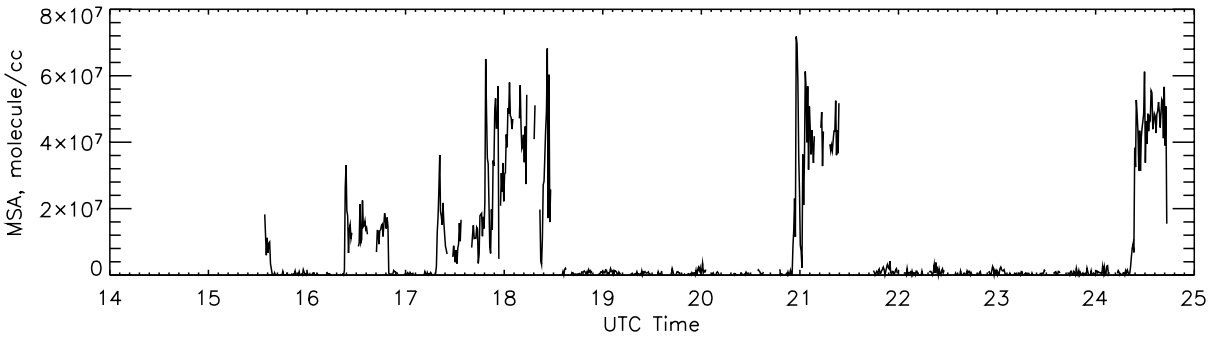
FINAL DATA: PEM Tropics B P3-B Flight 10

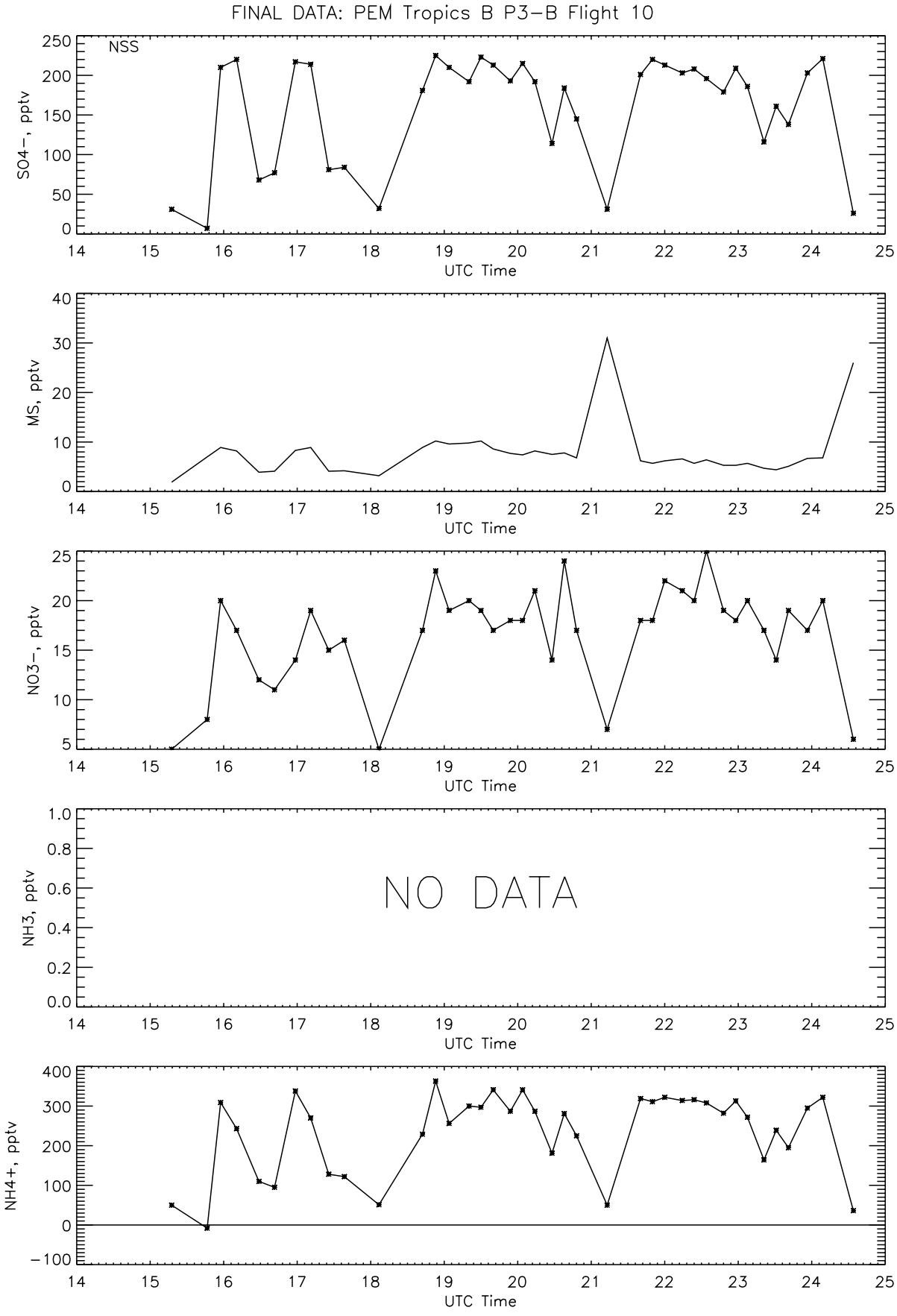


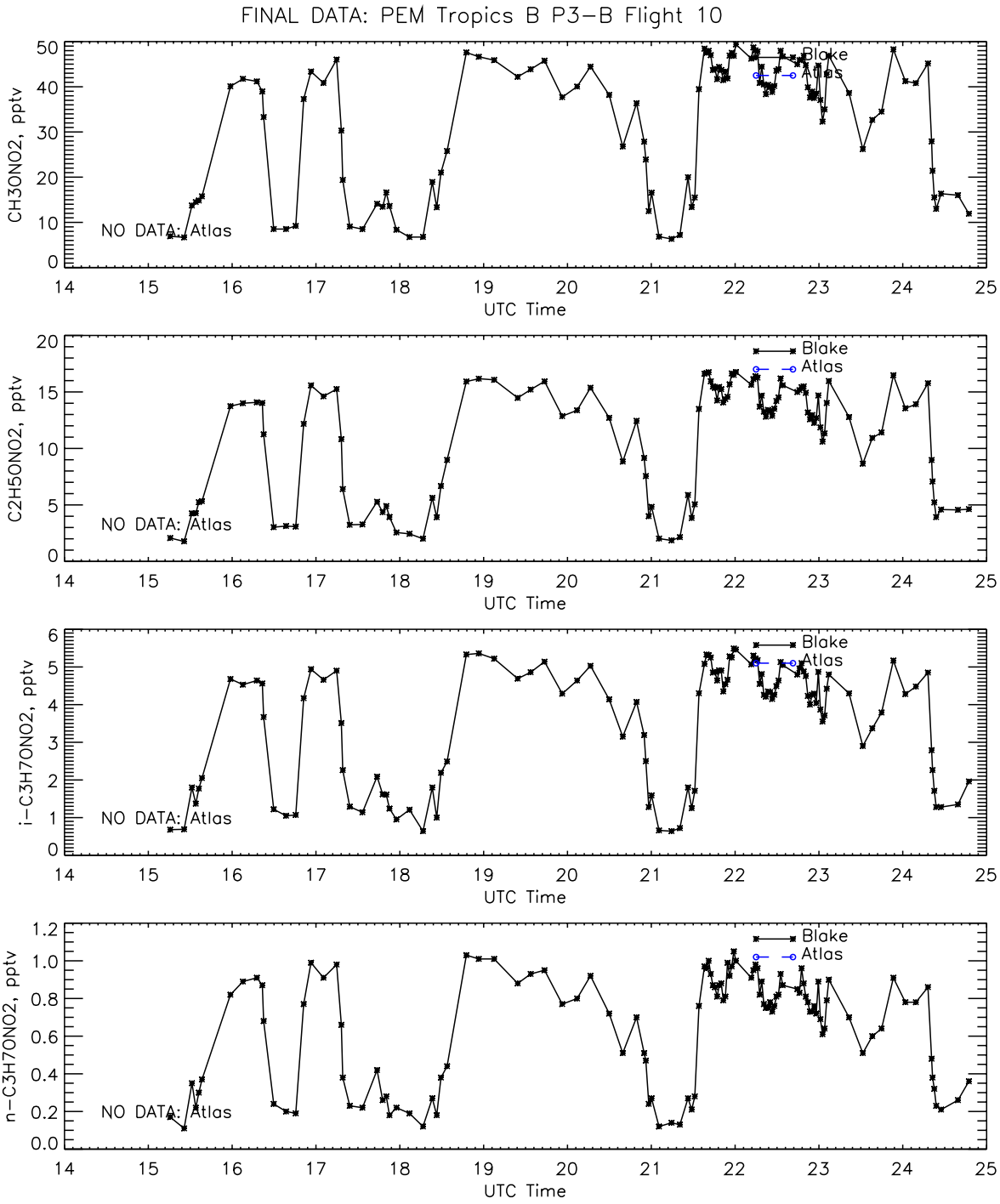









FINAL DATA: PEM Tropics B P3-B Flight 10
NSS
SO4-, pptv
MS, pptv
NO3-, pptv
NH3, pptv
NO DATA
NH4+, pptv
UTC Time


FINAL DATA: PEM Tropics B P3-B Flight 10
CH3ONO2, pptv
C2H5ONO2, pptv
i-C3H7ONO2, pptv
n-C3H7ONO2, pptv
UTC Time
Blake
Atlas
NO DATA: Atlas

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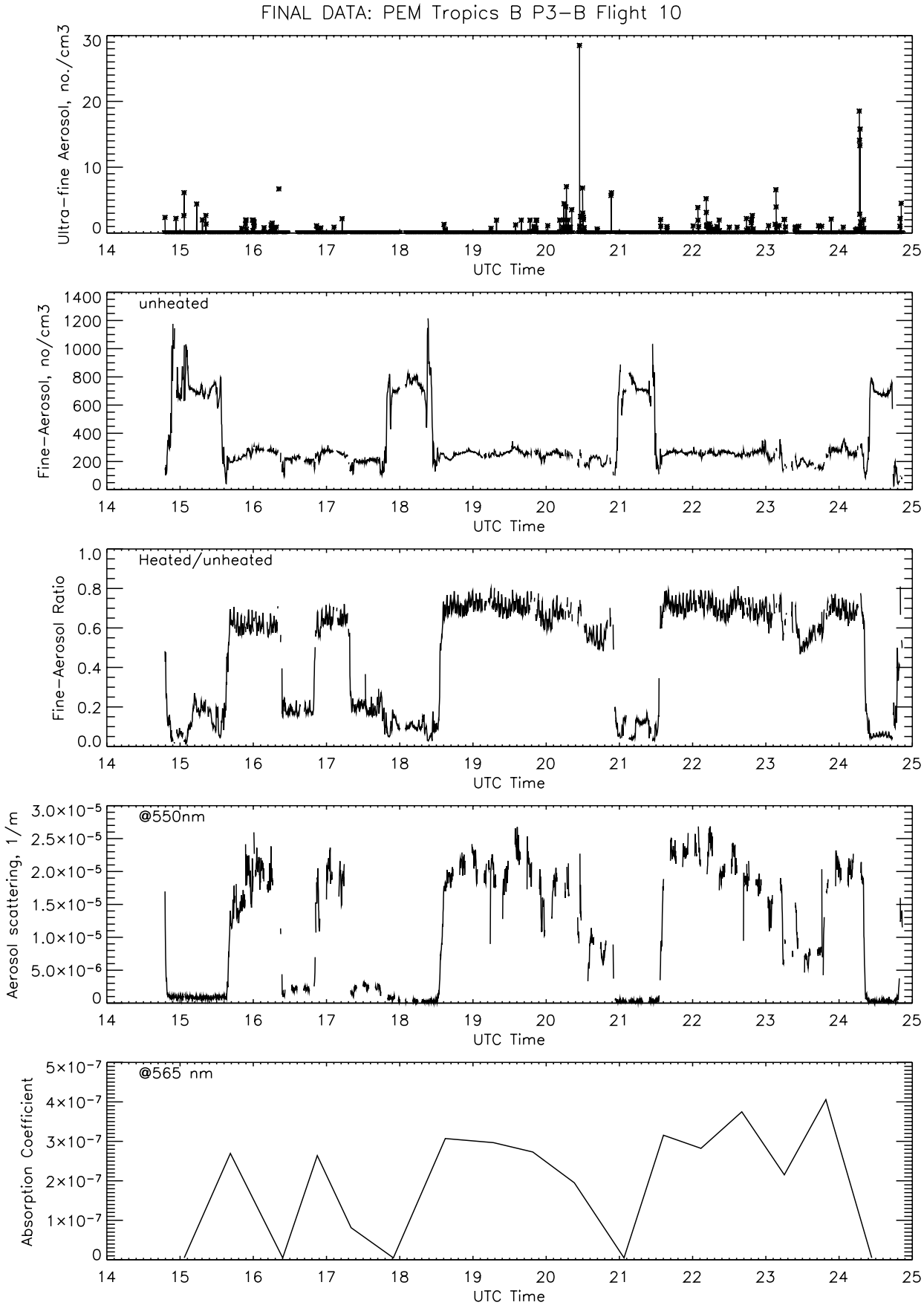
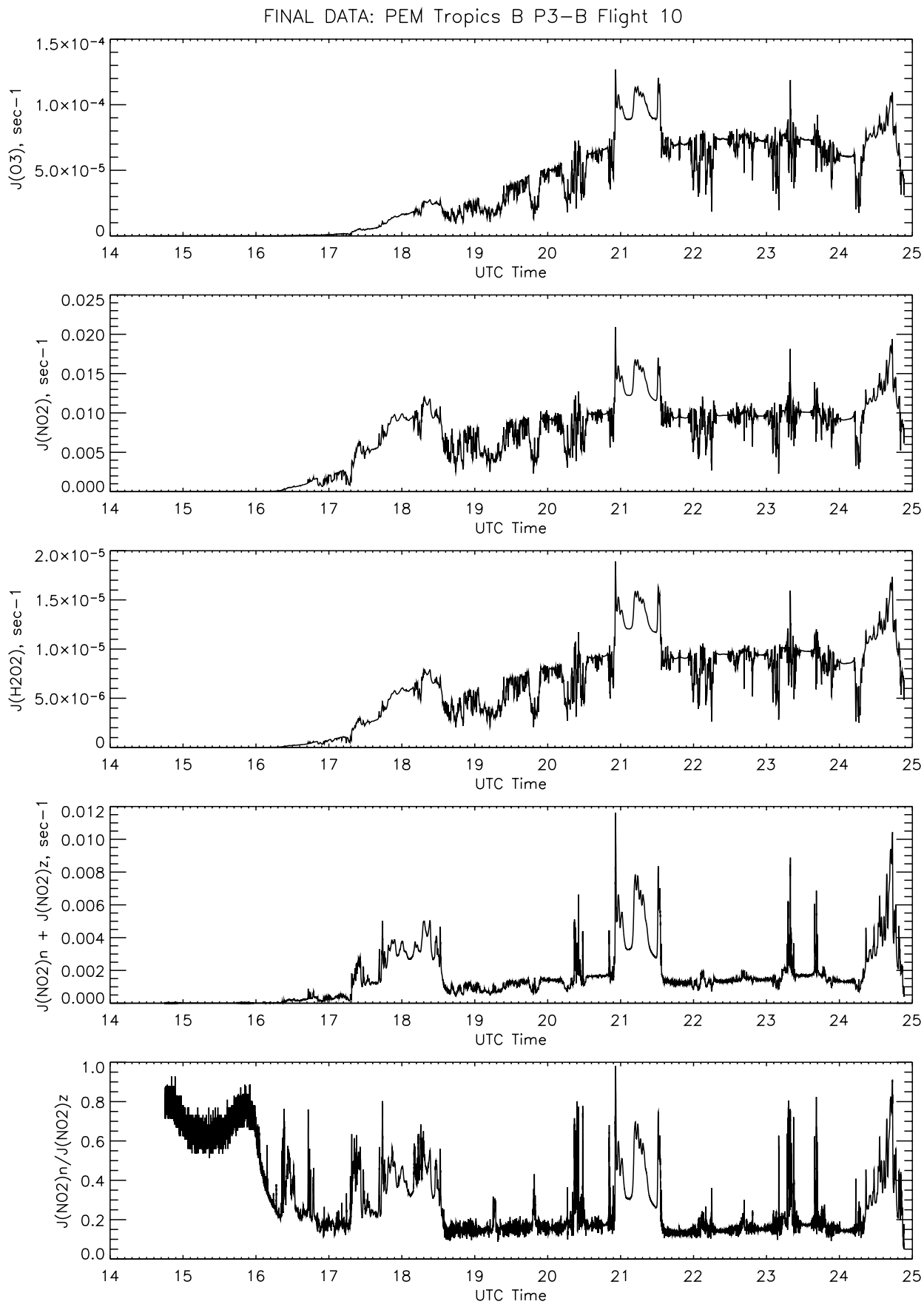
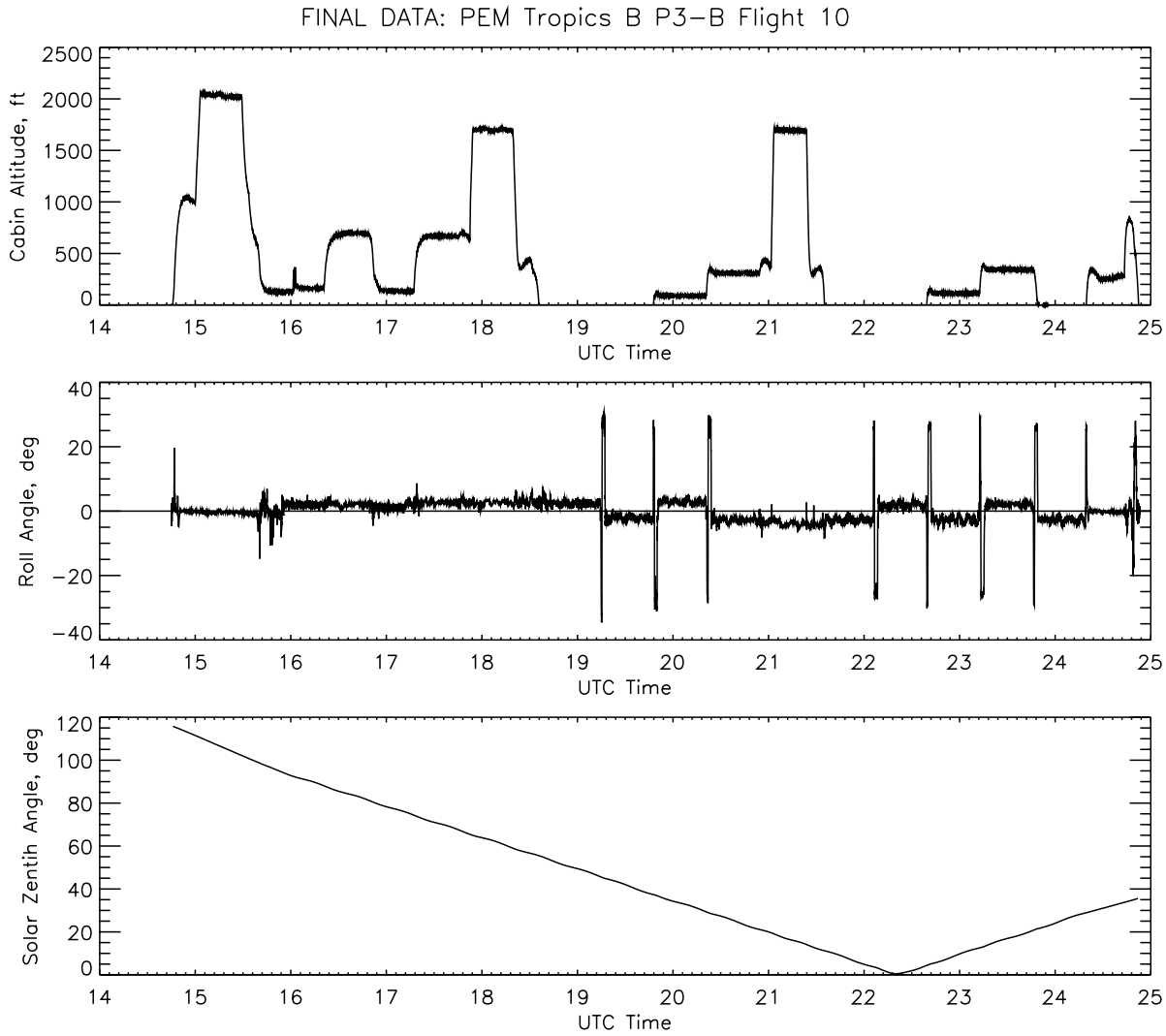

FINAL DATA: PEM Tropics B P3-B Flight 10
Ultra-fine Aerosol, no./cm3
UTC Time
unheated
Fine-Aerosol, no/cm3
UTC Time
Heated/unheated
Fine-Aerosol Ratio
UTC Time
@550nm
Aerosol scattering, 1/m
UTC Time
@565 nm
Absorption Coefficient
UTC Time


FINAL DATA: PEM Tropics B P3-B Flight 10
J(O3), sec-1
1.5×10-4
1.0×10-4
5.0×10-5
0
J(NO2), sec-1
0.025
0.020
0.015
0.010
0.005
0.000
J(H2O2), sec-1
2.0×10-5
1.5×10-5
1.0×10-5
5.0×10-6
0
J(NO2)n + J(NO2)z, sec-1
0.012
0.010
0.008
0.006
0.004
0.002
0.000
J(NO2)n/J(NO2)z
1.0
0.8
0.6
0.4
0.2
0.0
14 15 16 17 18 19 20 21 22 23 24 25
UTC Time


FINAL DATA: PEM Tropics B P3-B Flight 10
Cabin Altitude, ft
2500
2000
1500
1000
500
0
14
15
16
17
18
19
20
21
22
23
24
25
UTC Time
Roll Angle, deg
40
20
0
−20
−40
UTC Time
Solar Zenith Angle, deg
120
100
80
60
40
20
0
UTC Time