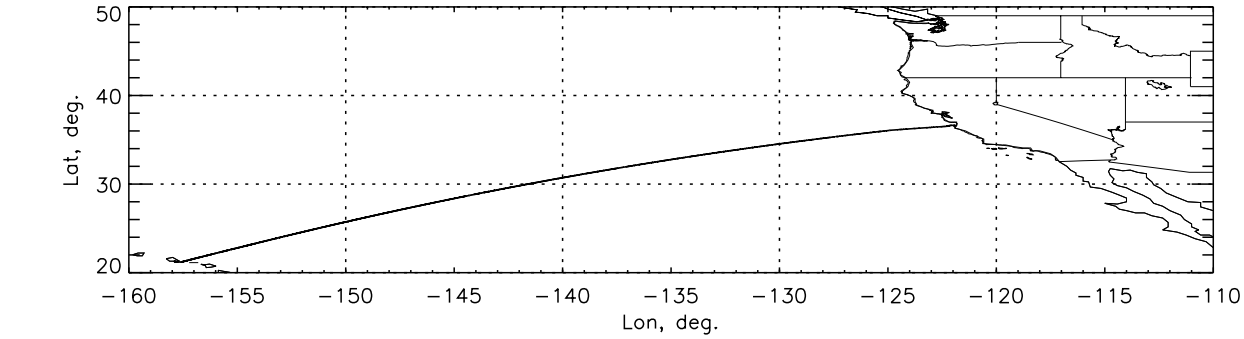
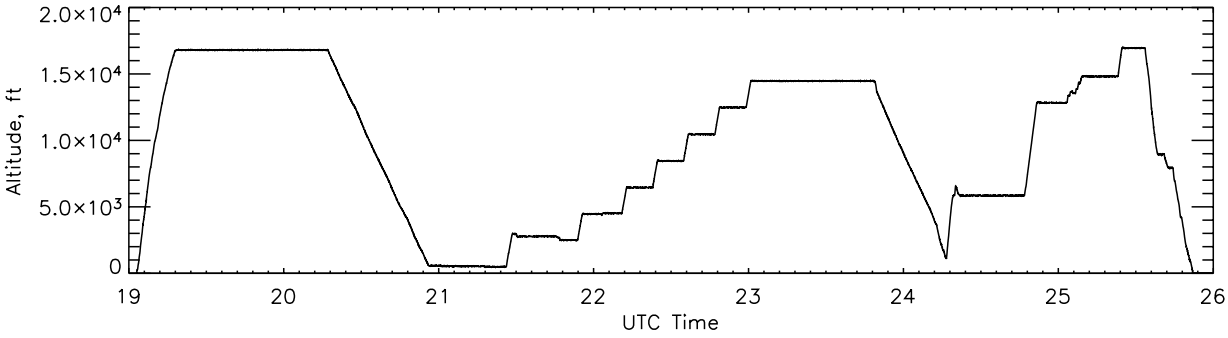
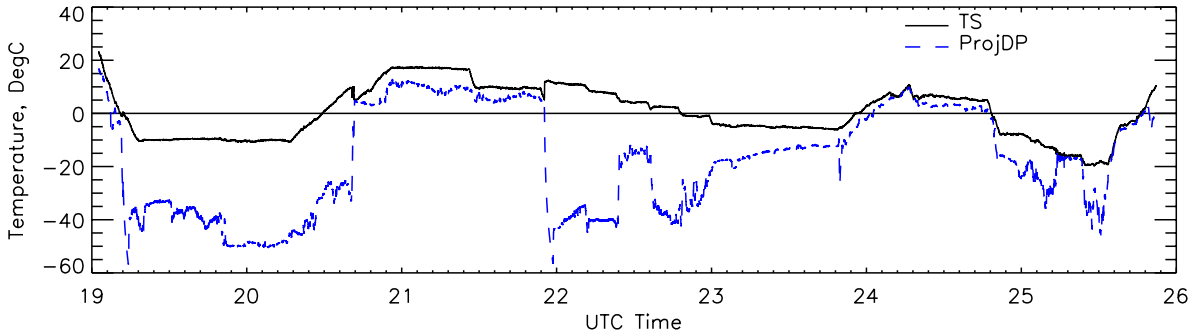
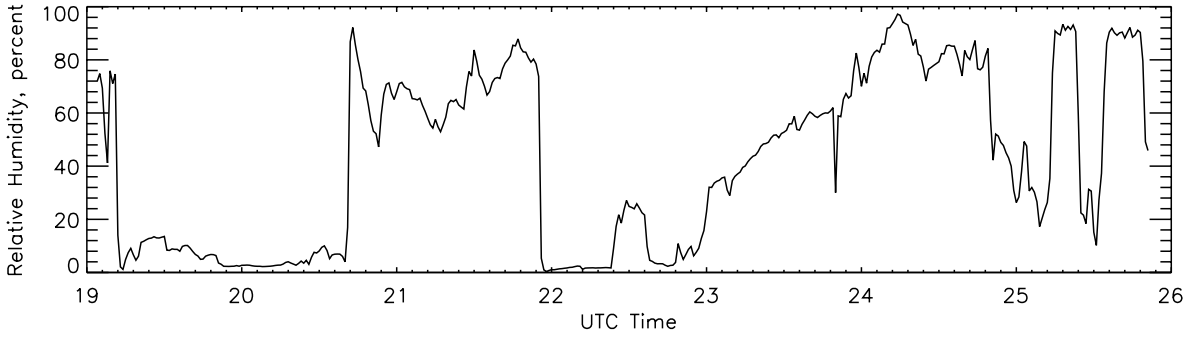
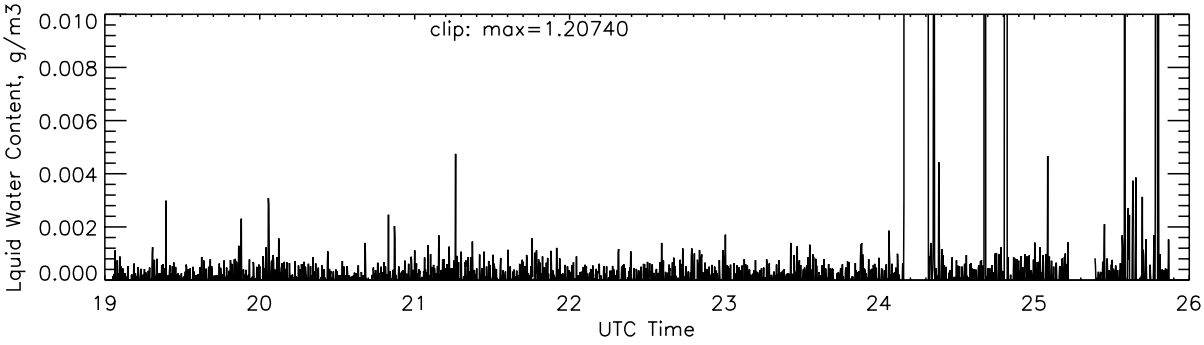
FINAL DATA: PEM Tropics B P3-B Flight 18

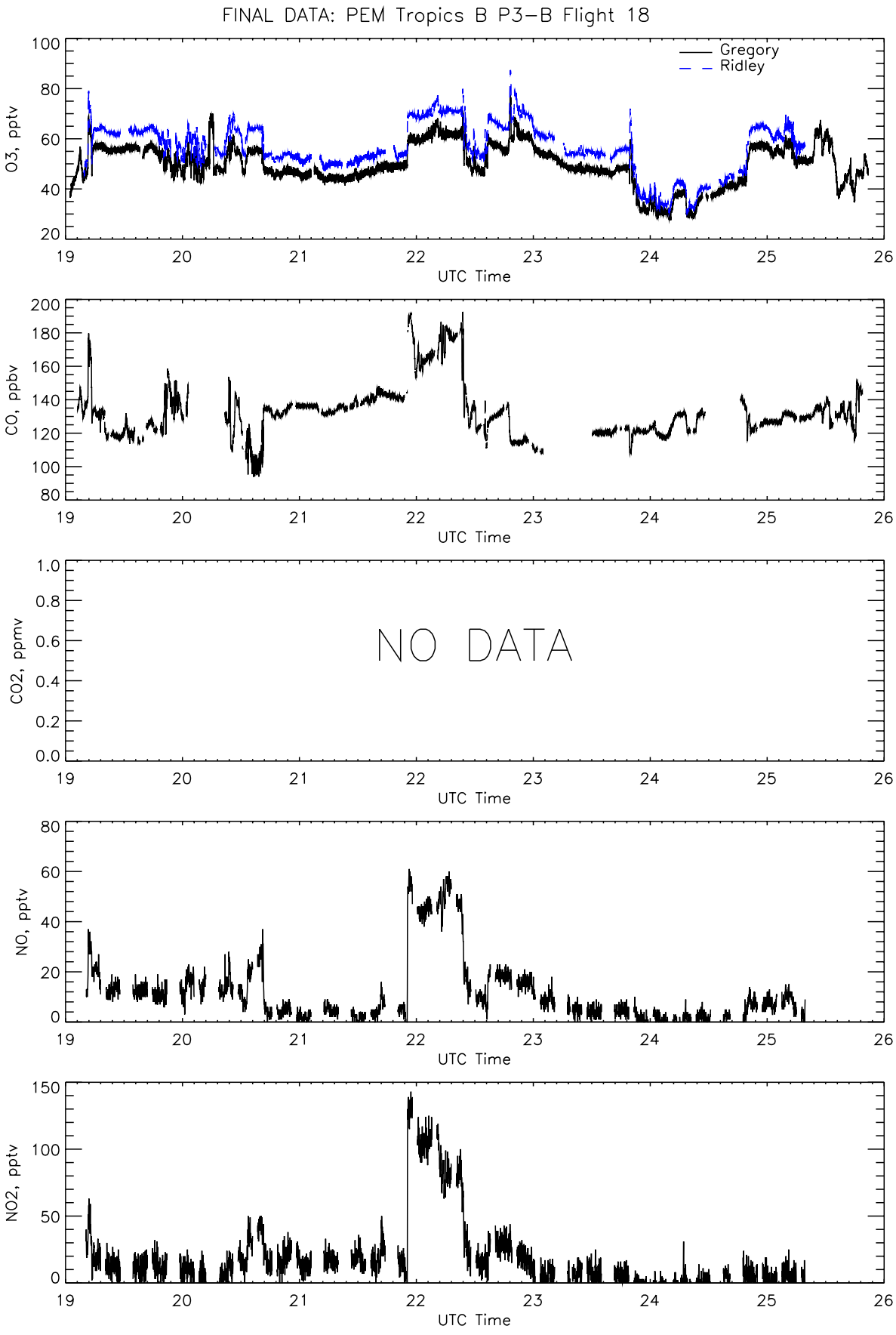




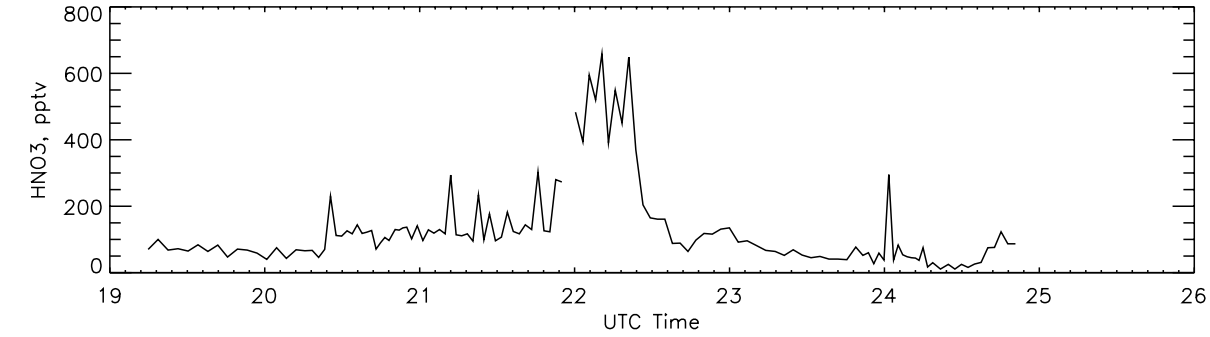


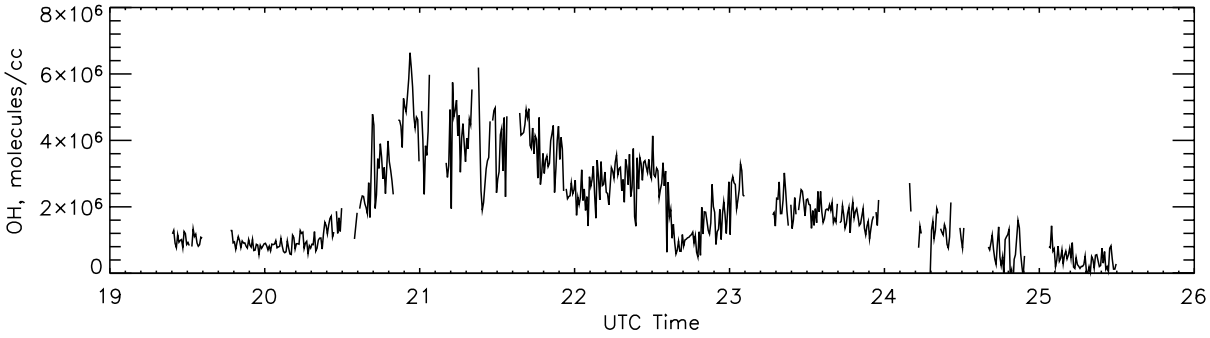


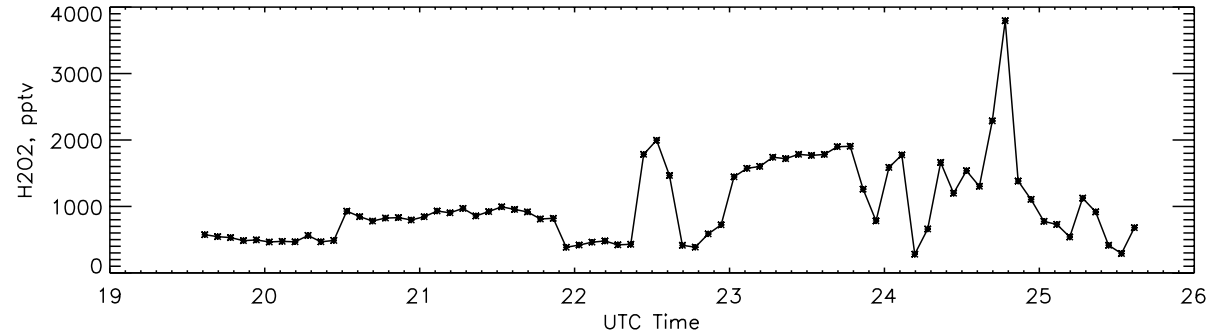


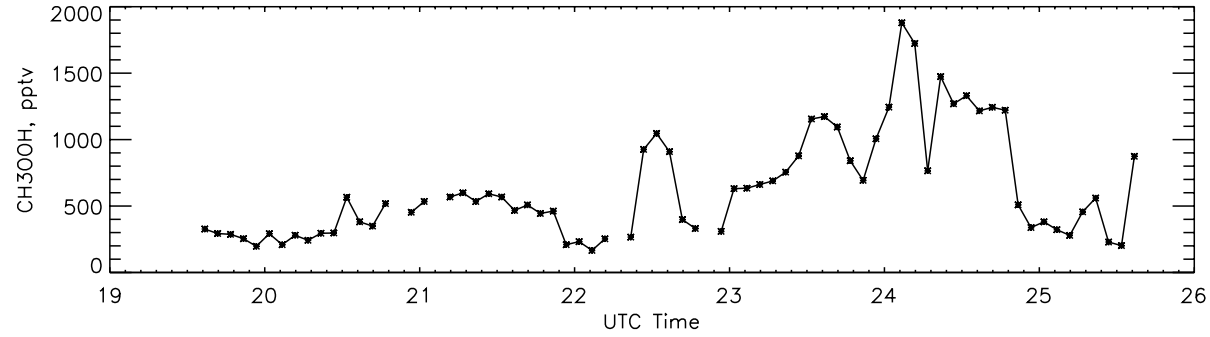

FINAL DATA: PEM Tropics B P3-B Flight 18
Gregory
Ridley
O3, pptv
CO, ppbv
CO2, ppmv
NO DATA
NO, pptv
NO2, pptv
UTC Time

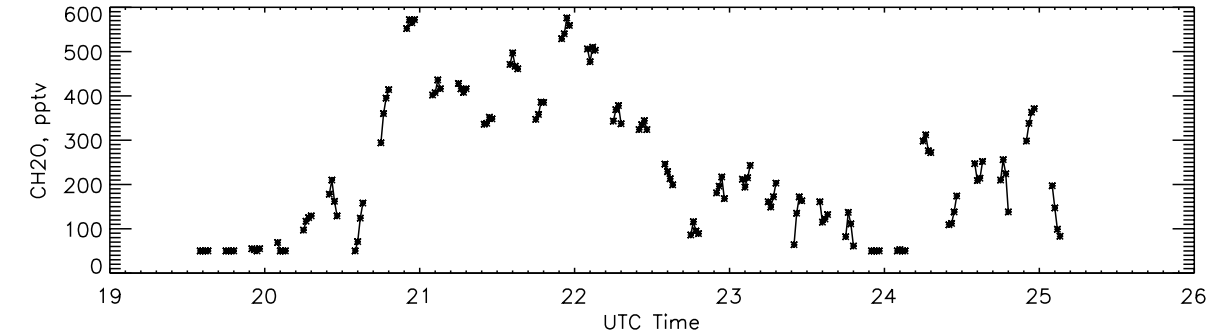
FINAL DATA: PEM Tropics B P3-B Flight 18

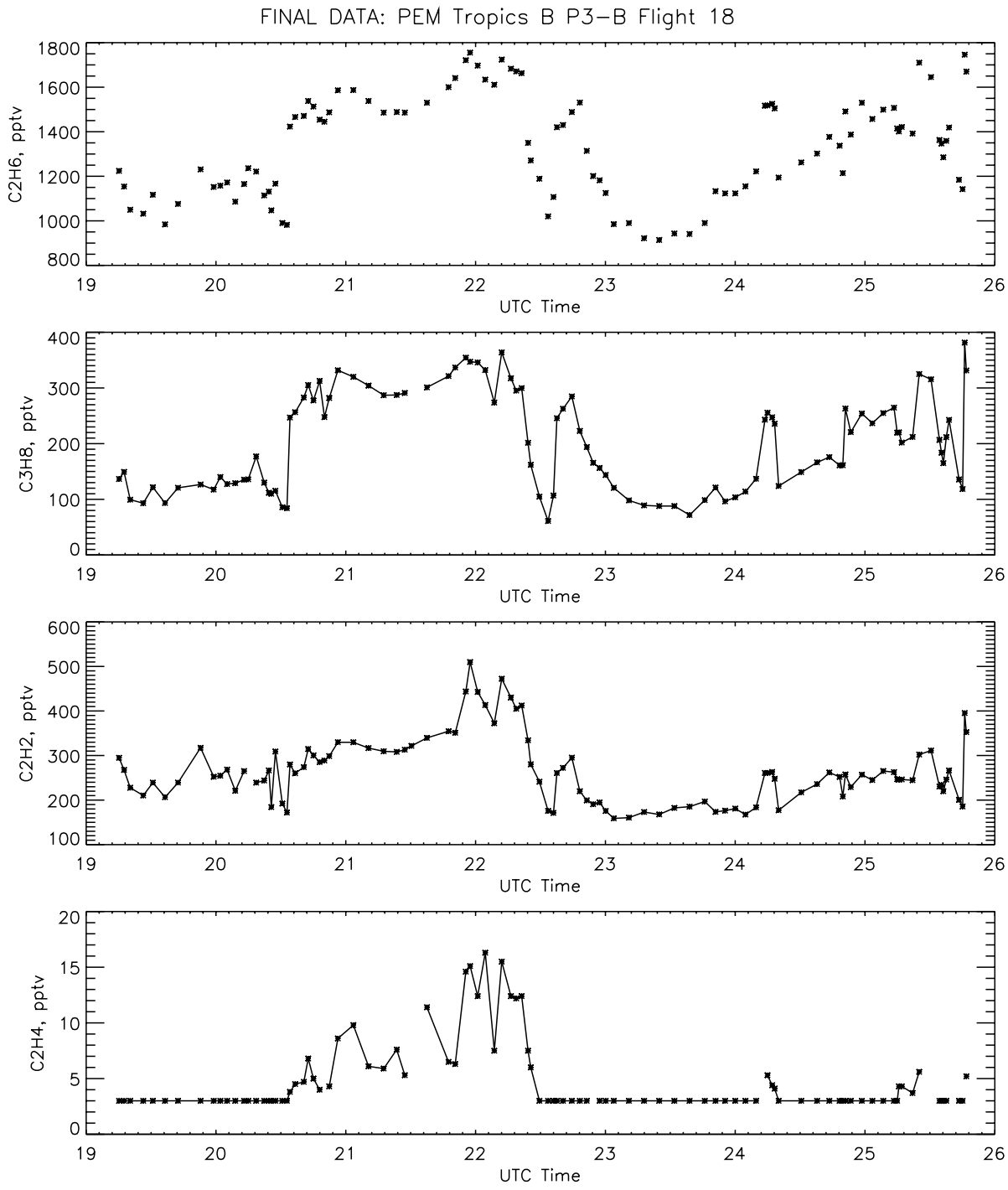






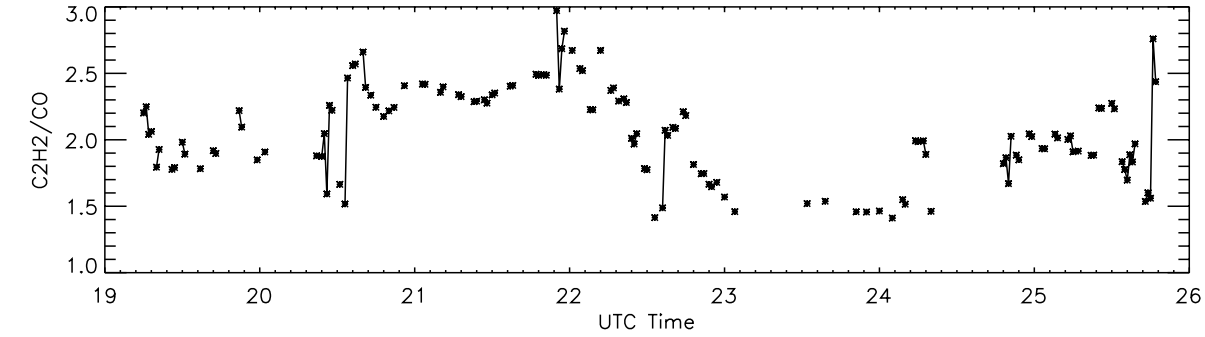


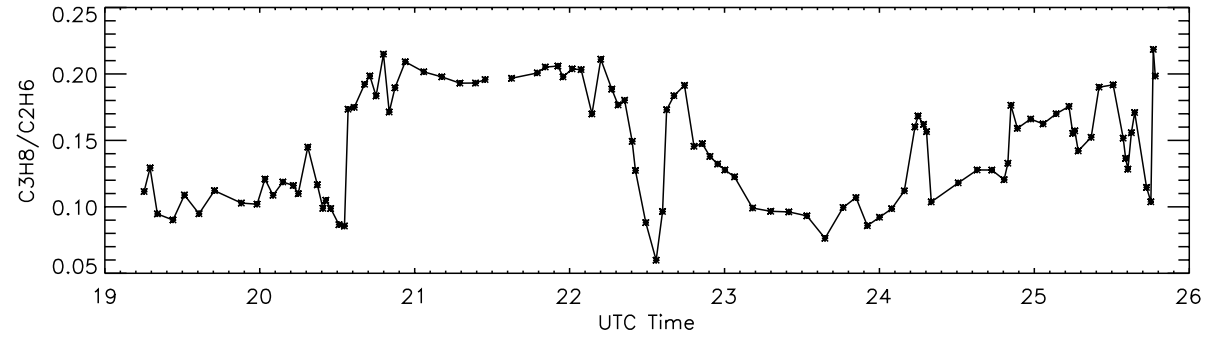


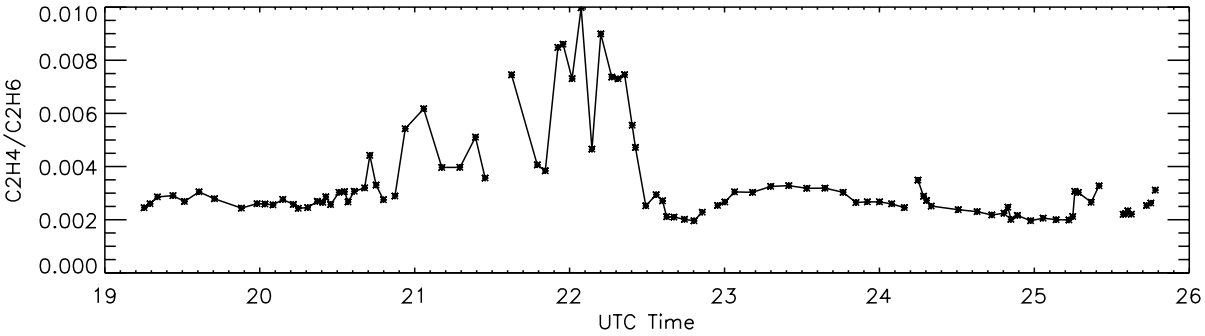

FINAL DATA: PEM Tropics B P3-B Flight 18
C2H6, pptv
1800
1600
1400
1200
1000
800
19
20
21
22
23
24
25
26
UTC Time
C3H8, pptv
400
300
200
100
0
UTC Time
C2H2, pptv
600
500
400
300
200
100
UTC Time
C2H4, pptv
20
15
10
5
0
UTC Time

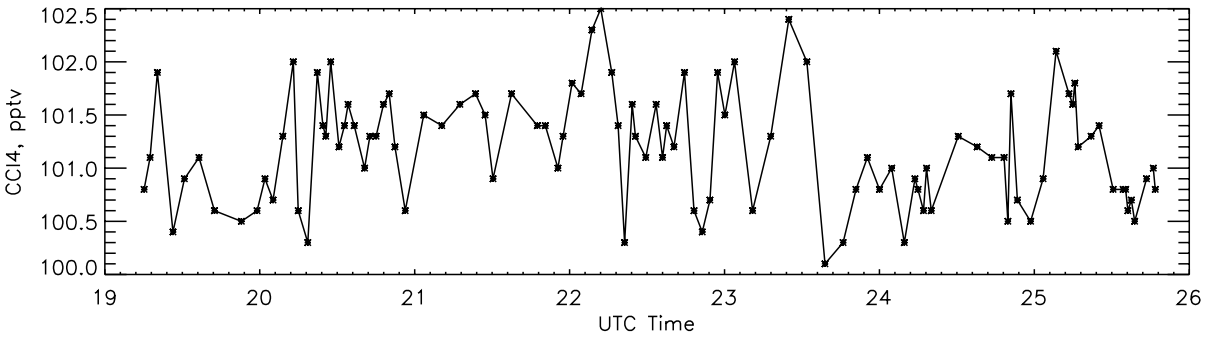
LEFT BLANK

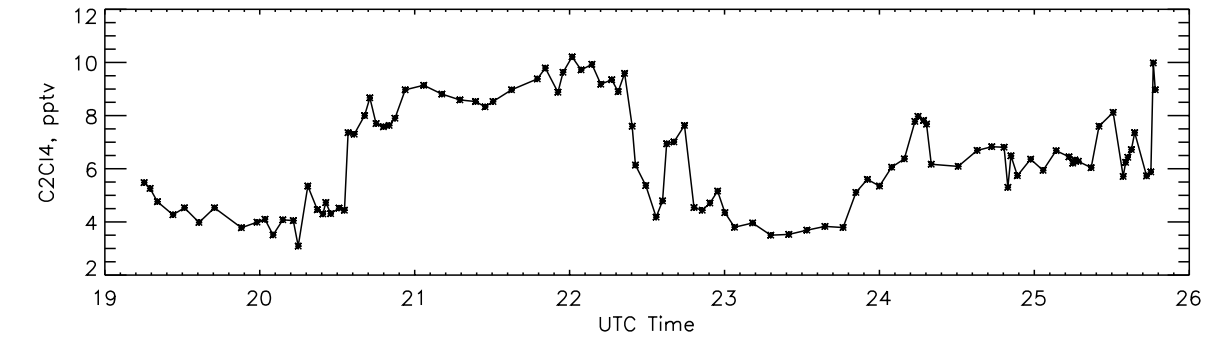
FINAL DATA: PEM Tropics B P3-B Flight 18



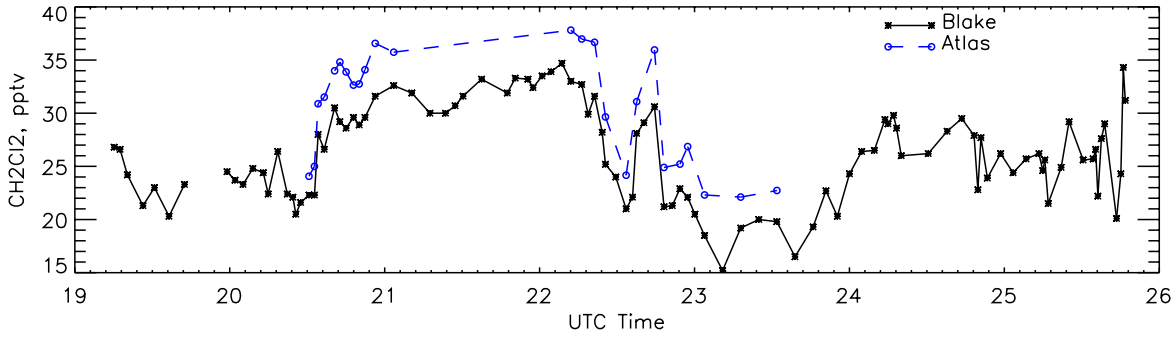


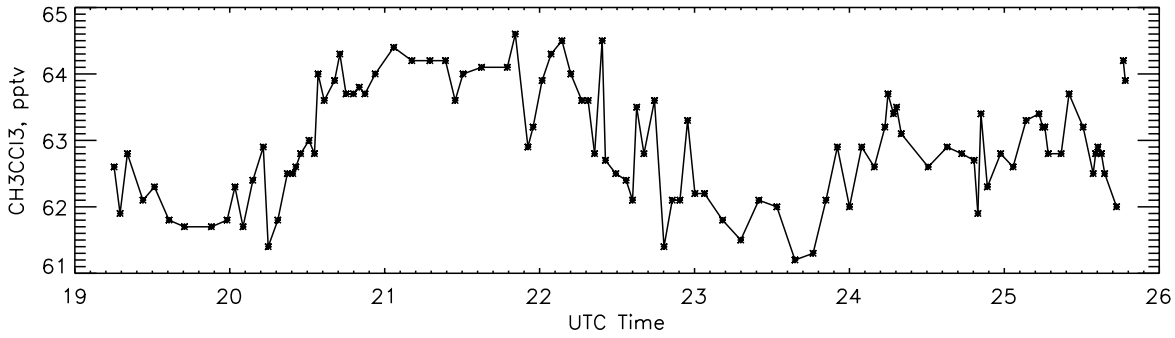


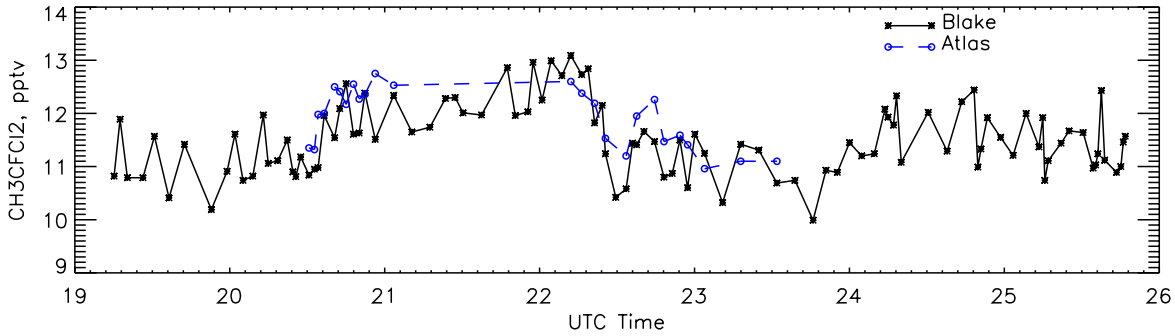


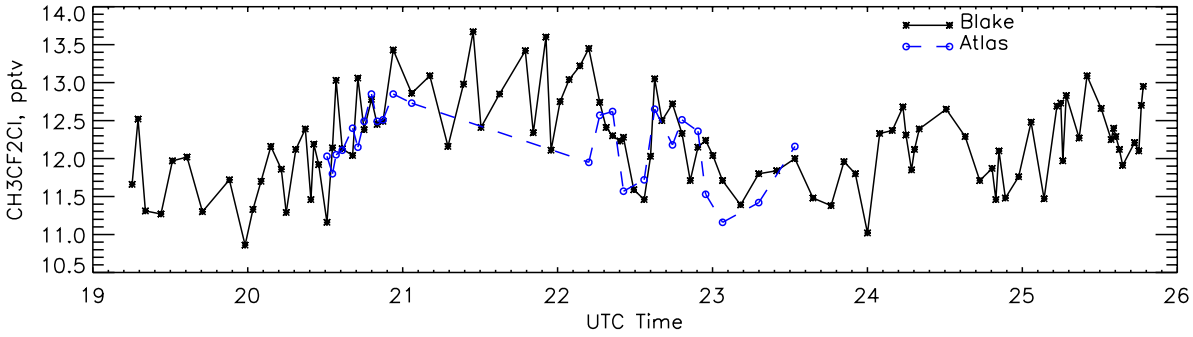


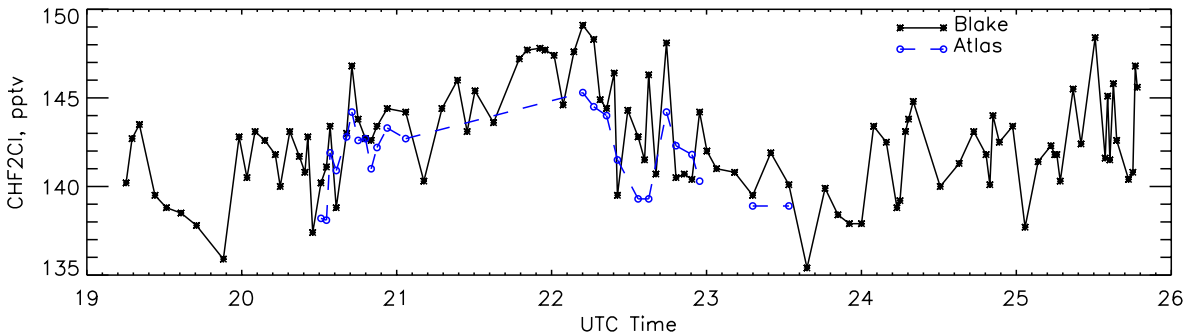
FINAL DATA: PEM Tropics B P3-B Flight 18



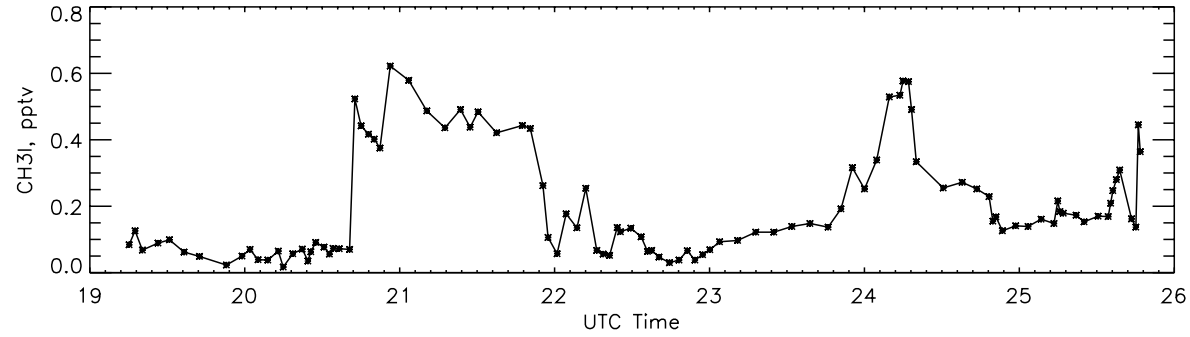


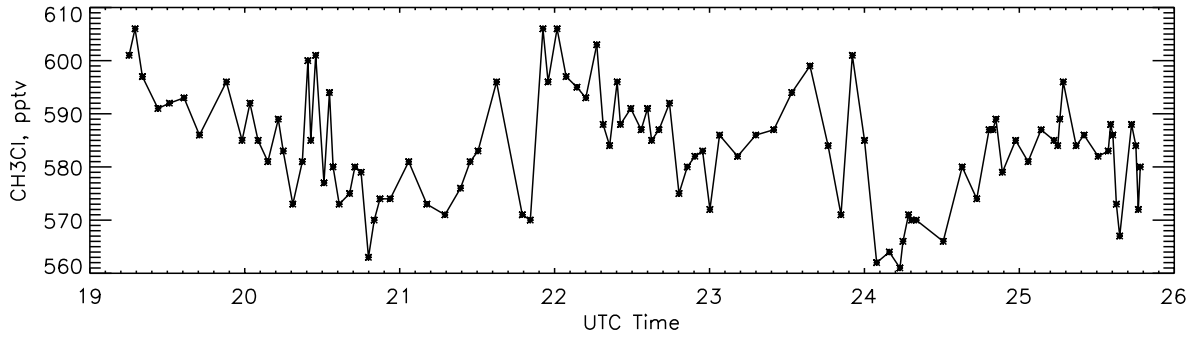


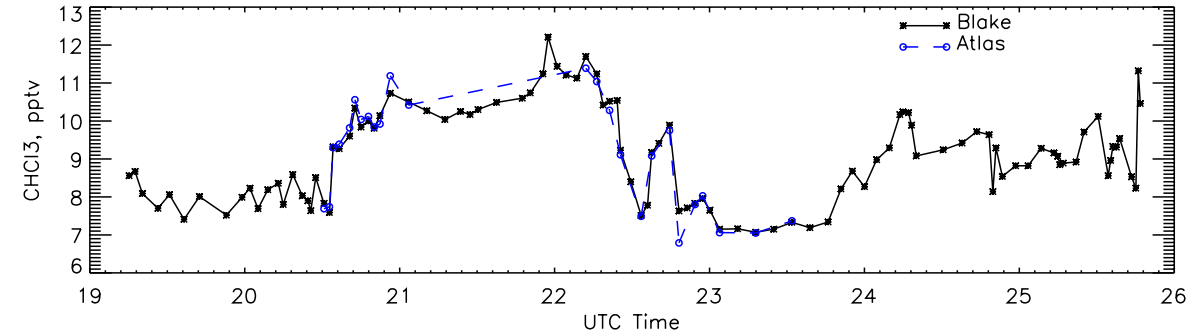


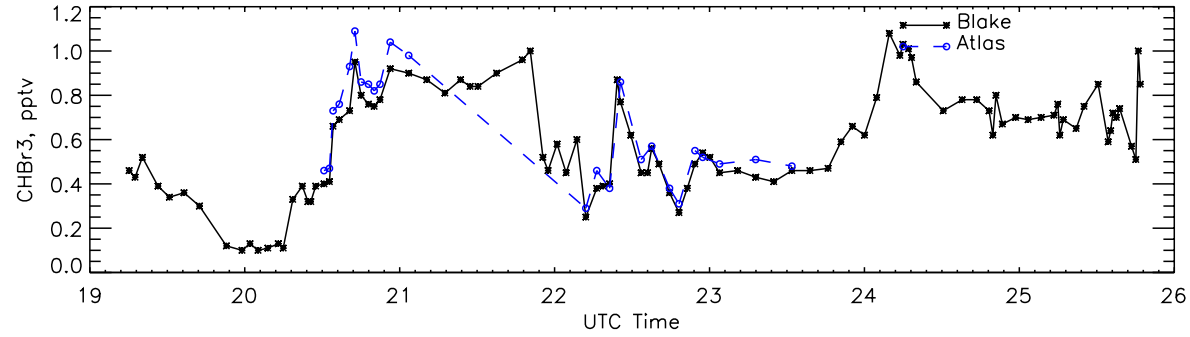


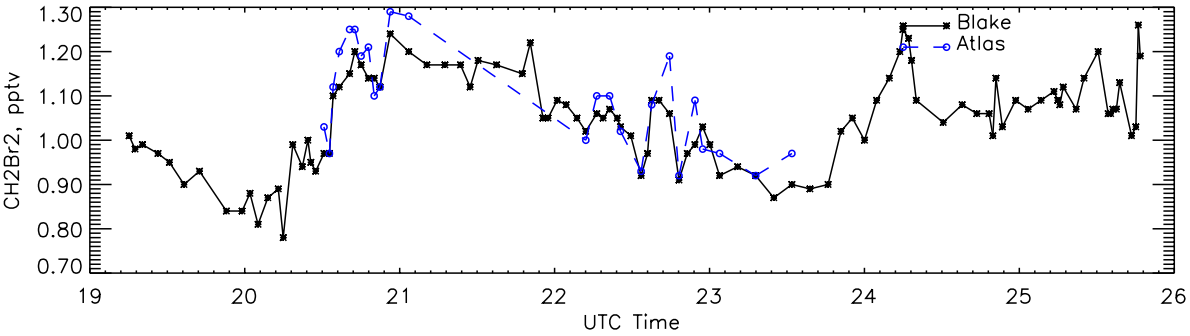
FINAL DATA: PEM Tropics B P3-B Flight 18

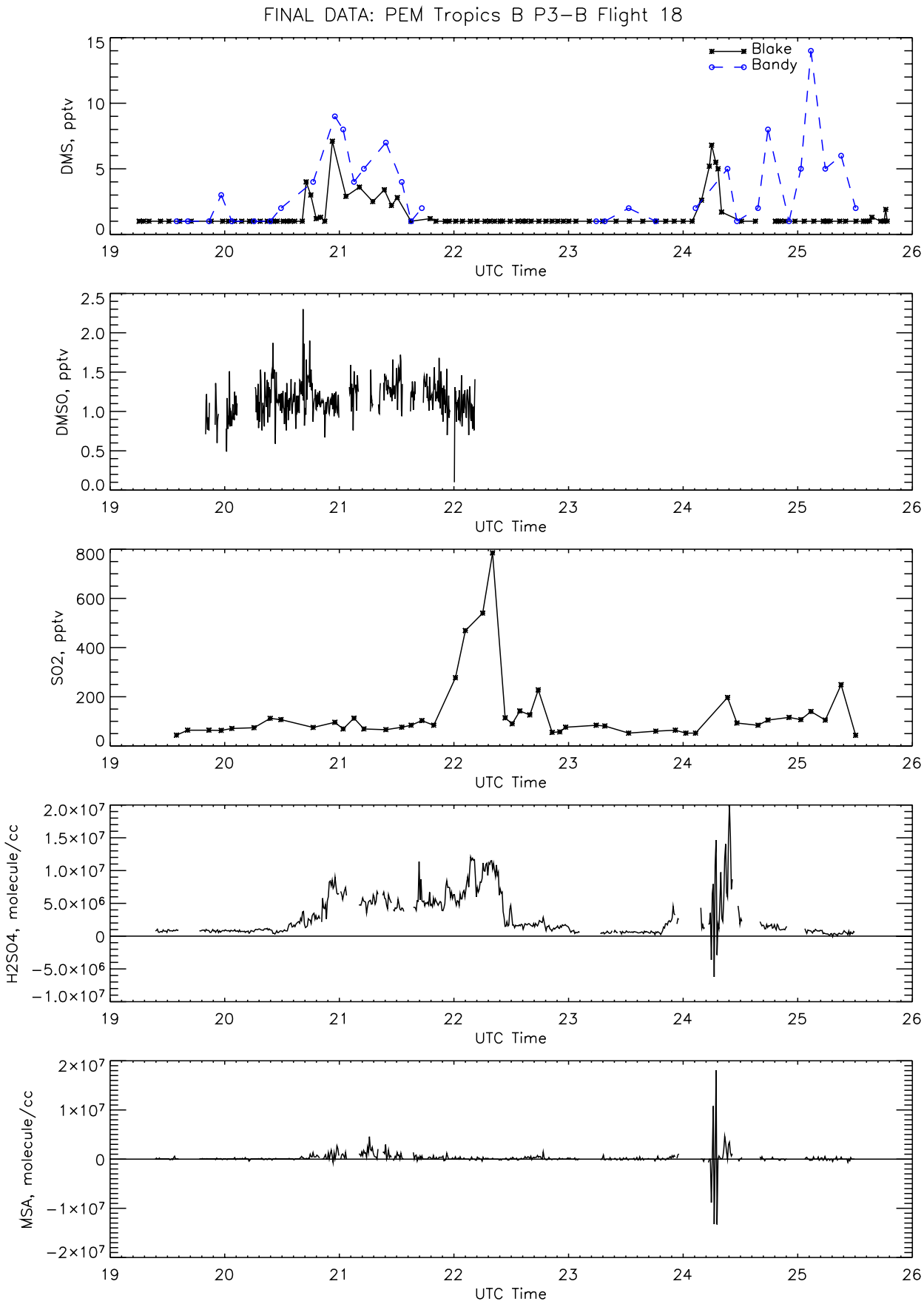




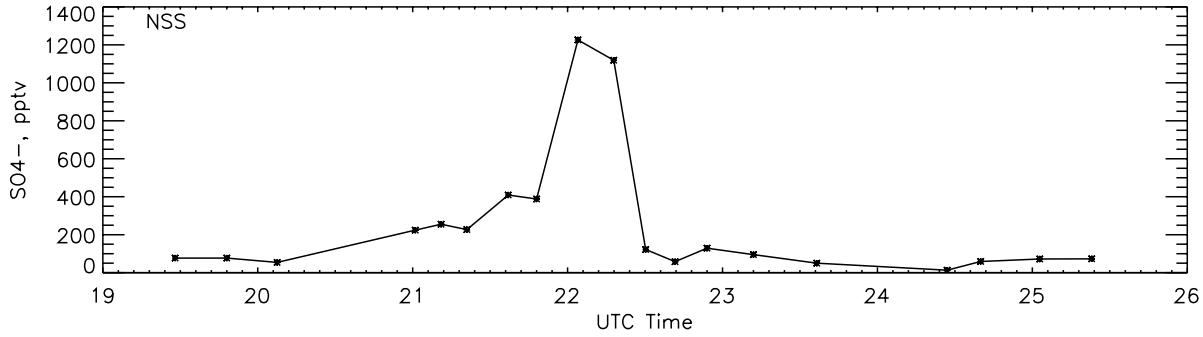


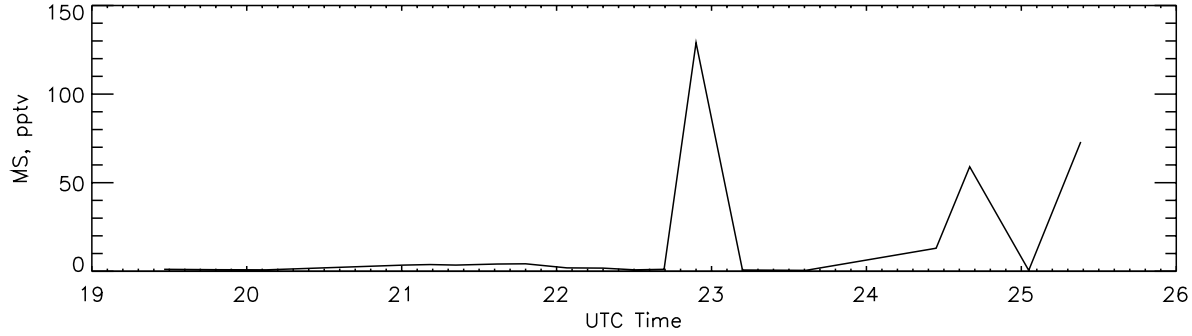


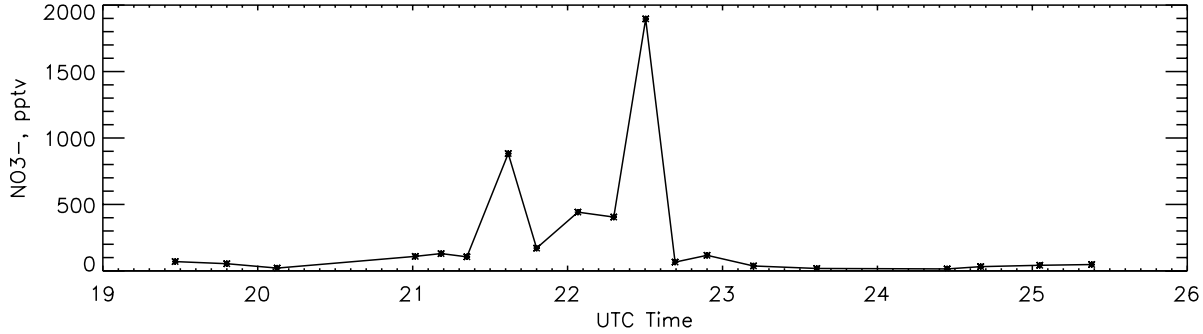


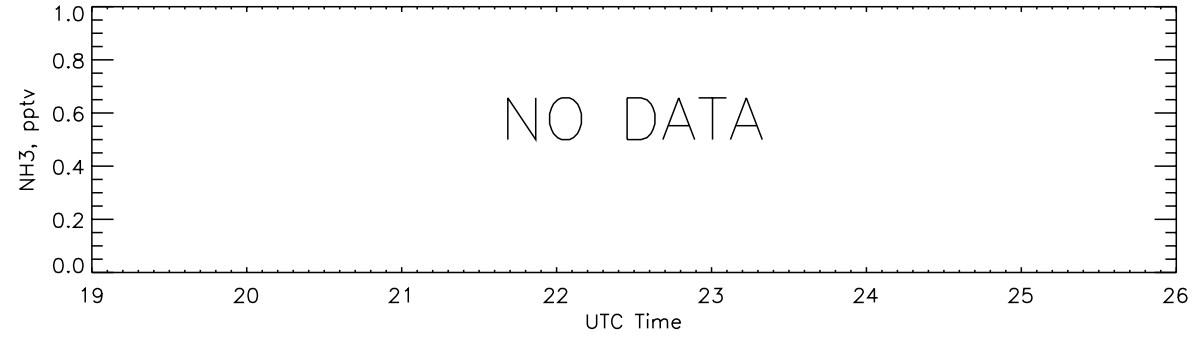

FINAL DATA: PEM Tropics B P3-B Flight 18
DMS, pptv
Blake
Bandy
UTC Time
DMSO, pptv
UTC Time
SO2, pptv
UTC Time
H2SO4, molecule/cc
UTC Time
MSA, molecule/cc
UTC Time

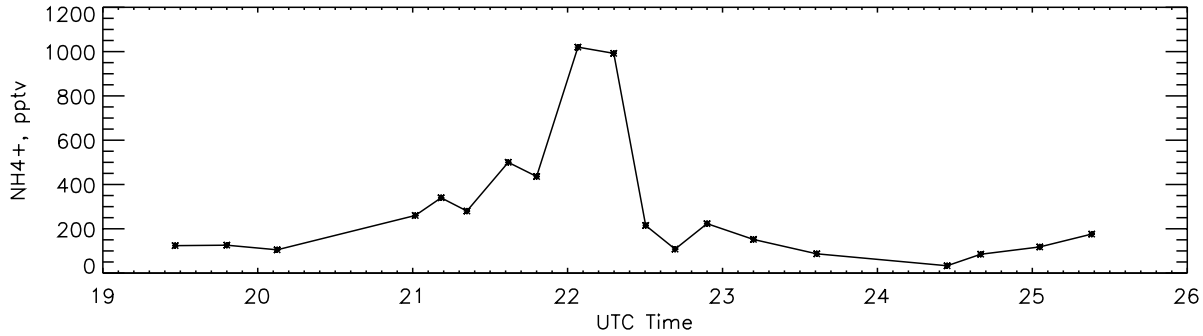
FINAL DATA: PEM Tropics B P3-B Flight 18

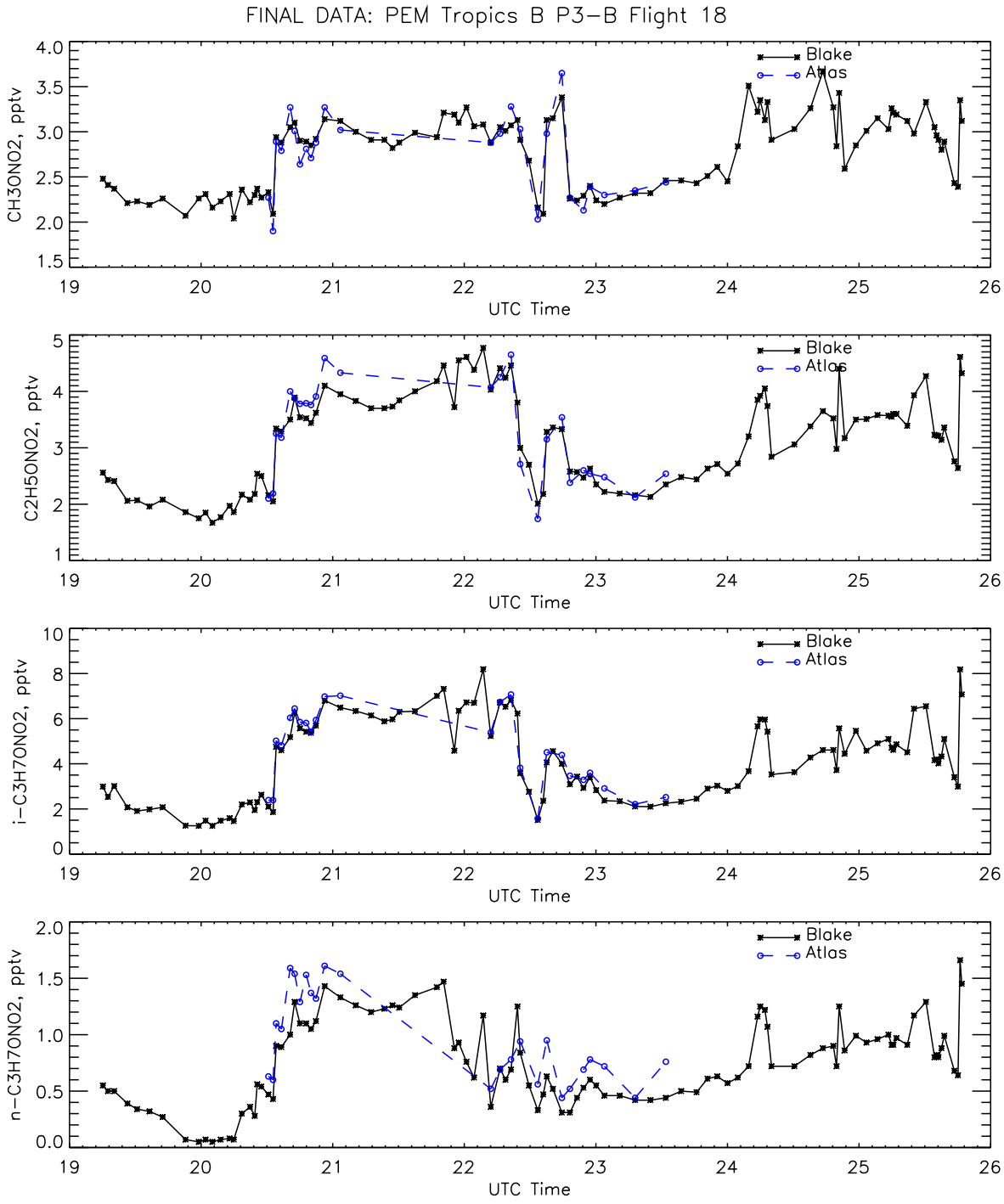






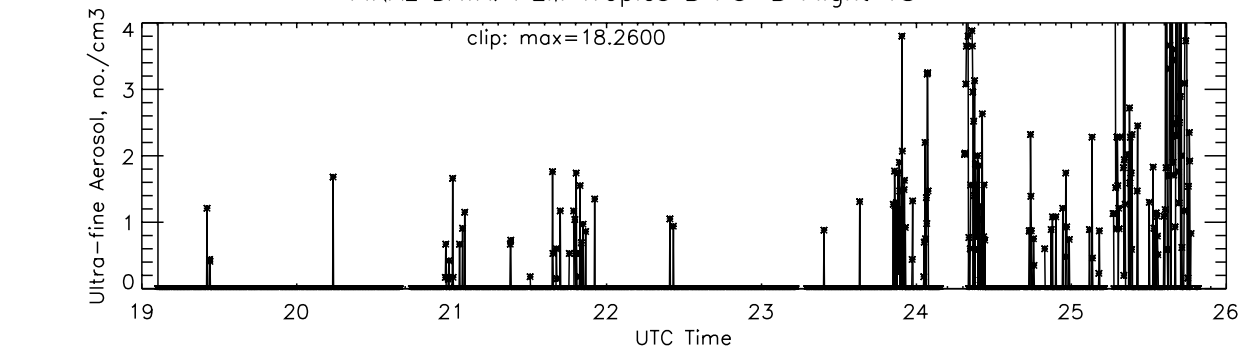


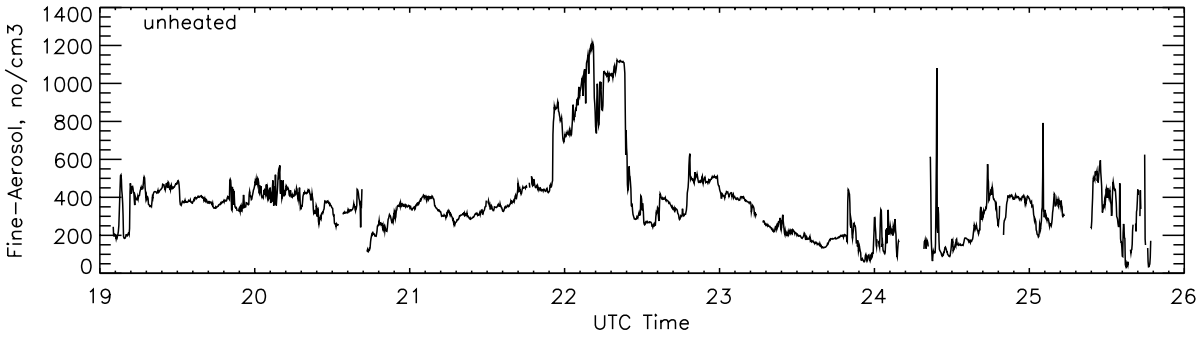


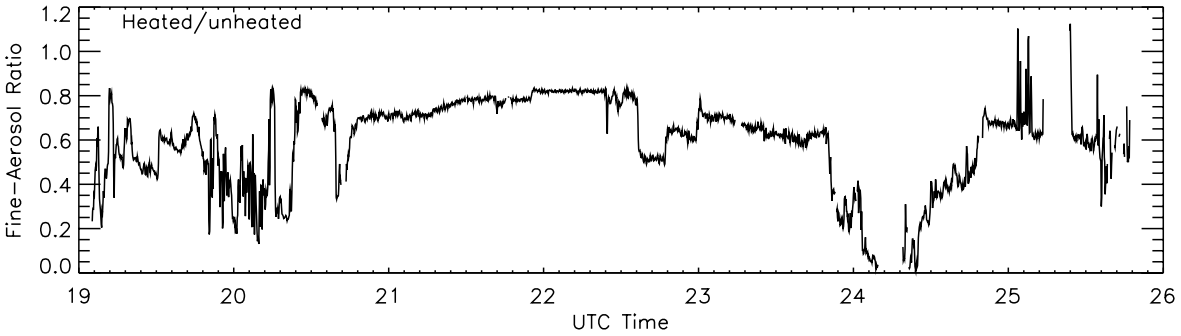

FINAL DATA: PEM Tropics B P3-B Flight 18
CH3ONO2, pptv
C2H5ONO2, pptv
i-C3H7ONO2, pptv
n-C3H7ONO2, pptv
UTC Time
Blake
Atlas

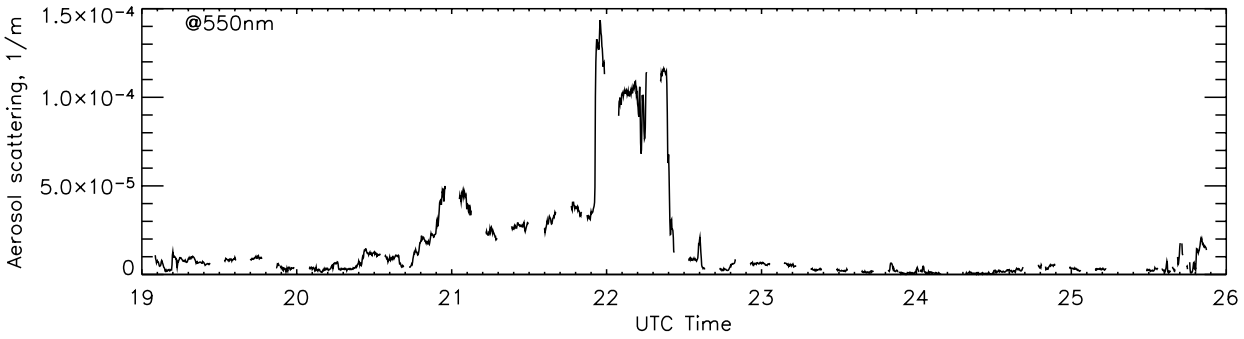
LEFT BLANK

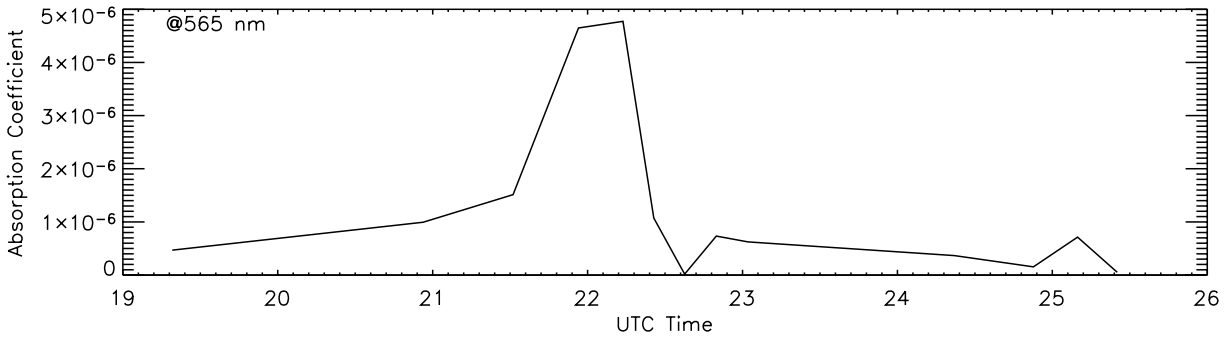
FINAL DATA: PEM Tropics B P3-B Flight 18

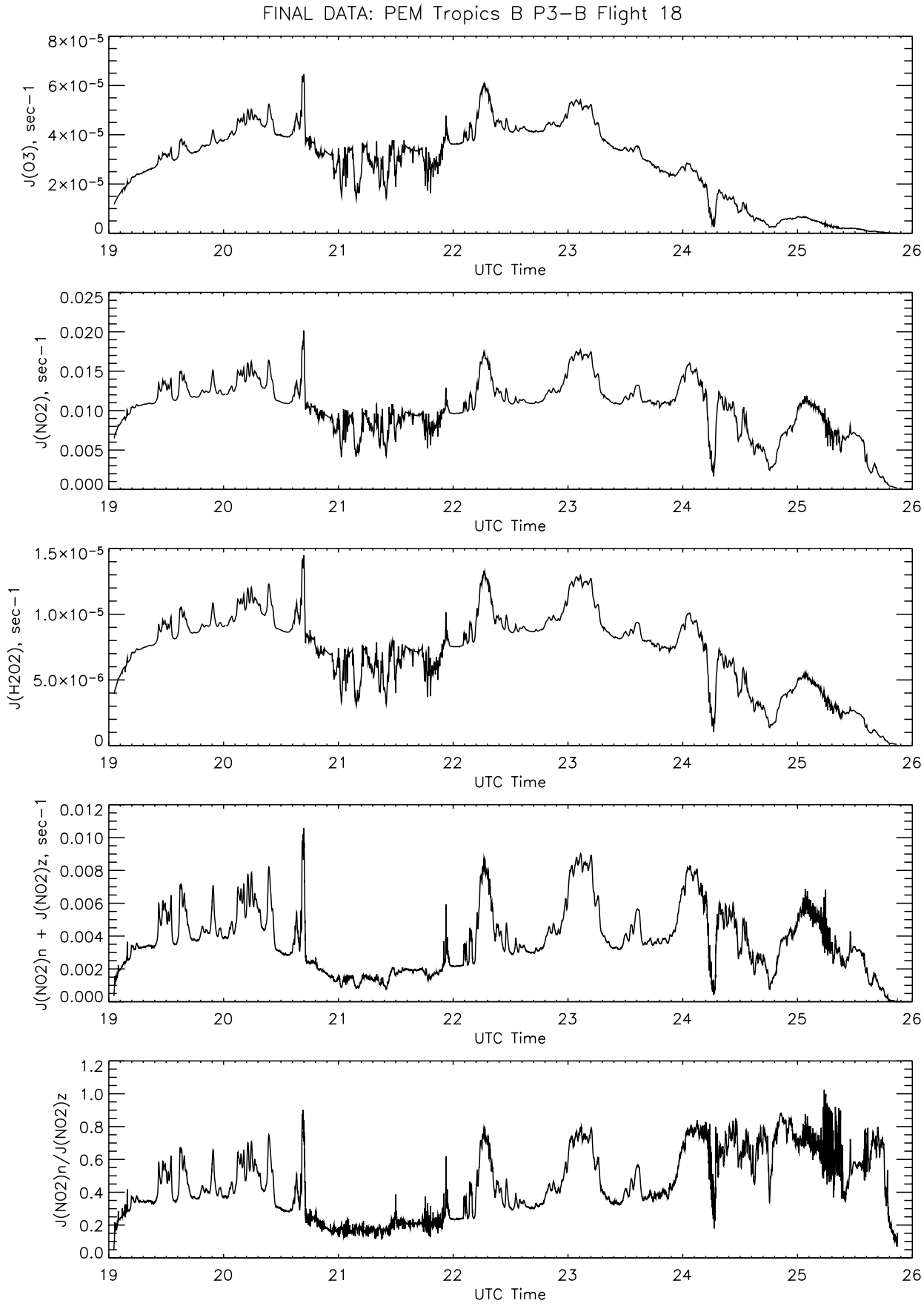


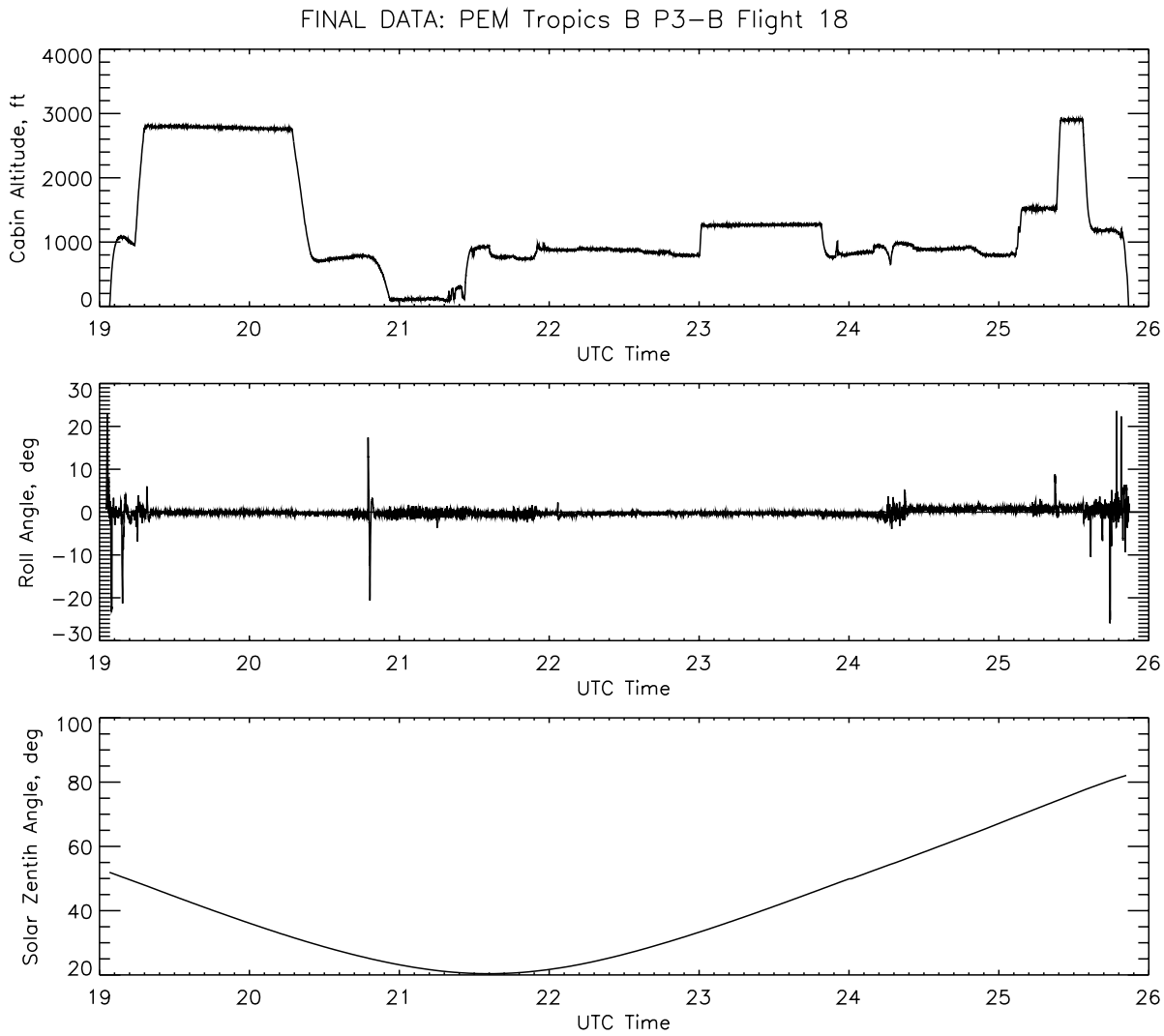









FINAL DATA: PEM Tropics B P3-B Flight 18
J(O3), sec-1
8×10-5
6×10-5
4×10-5
2×10-5
0
J(NO2), sec-1
0.025
0.020
0.015
0.010
0.005
0.000
J(H2O2), sec-1
1.5×10-5
1.0×10-5
5.0×10-6
0
J(NO2)n + J(NO2)z, sec-1
0.012
0.010
0.008
0.006
0.004
0.002
0.000
J(NO2)n/J(NO2)z
1.2
1.0
0.8
0.6
0.4
0.2
0.0
19
20
21
22
23
24
25
26
UTC Time


FINAL DATA: PEM Tropics B P3-B Flight 18
Cabin Altitude, ft
4000
3000
2000
1000
0
19
20
21
22
23
24
25
26
UTC Time
Roll Angle, deg
30
20
10
0
-10
-20
-30
19
20
21
22
23
24
25
26
UTC Time
Solar Zenith Angle, deg
100
80
60
40
20
19
20
21
22
23
24
25
26
UTC Time