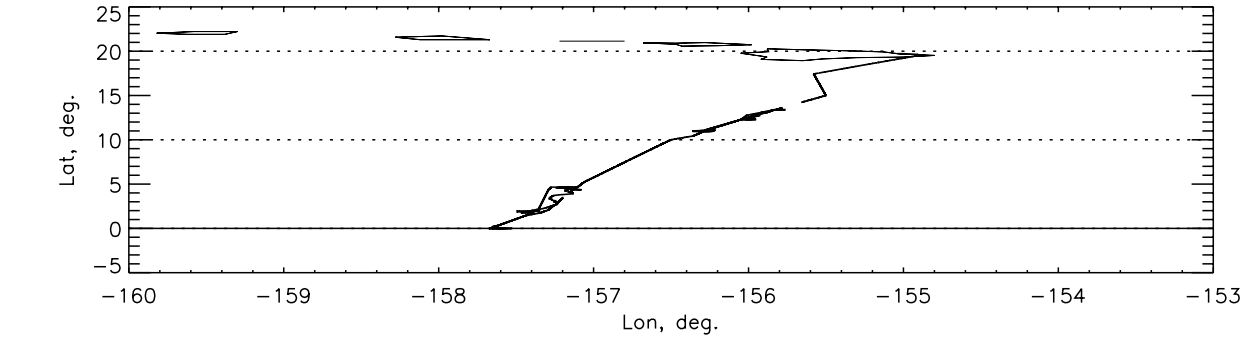
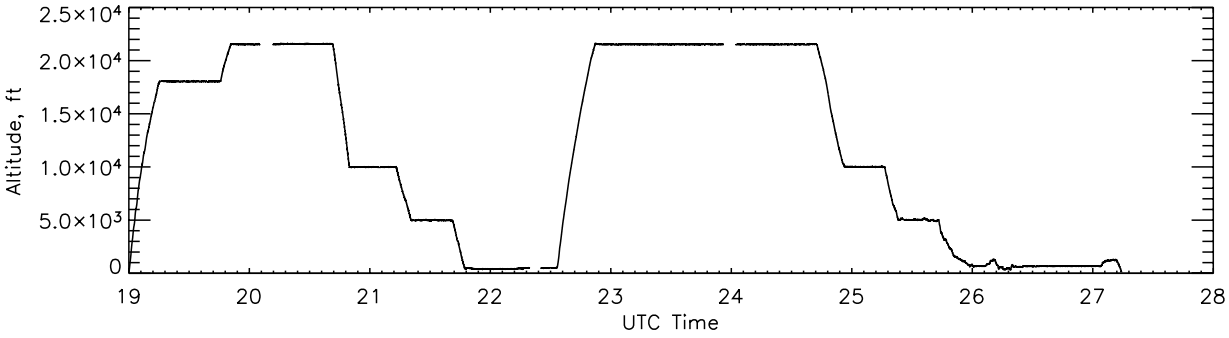
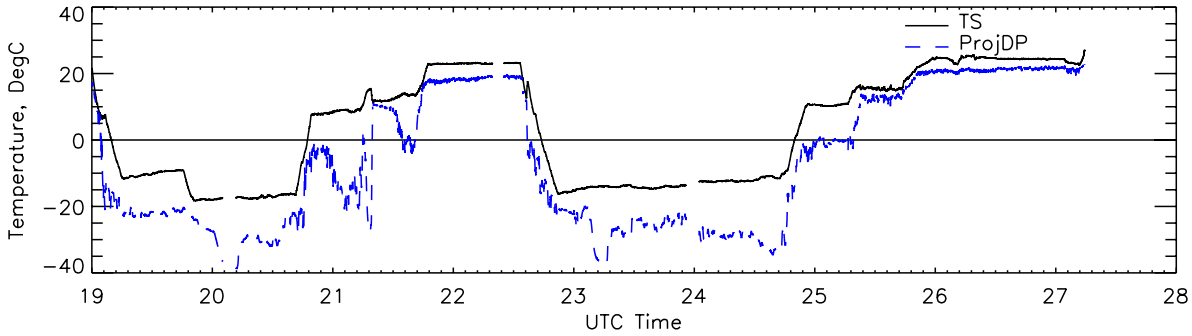
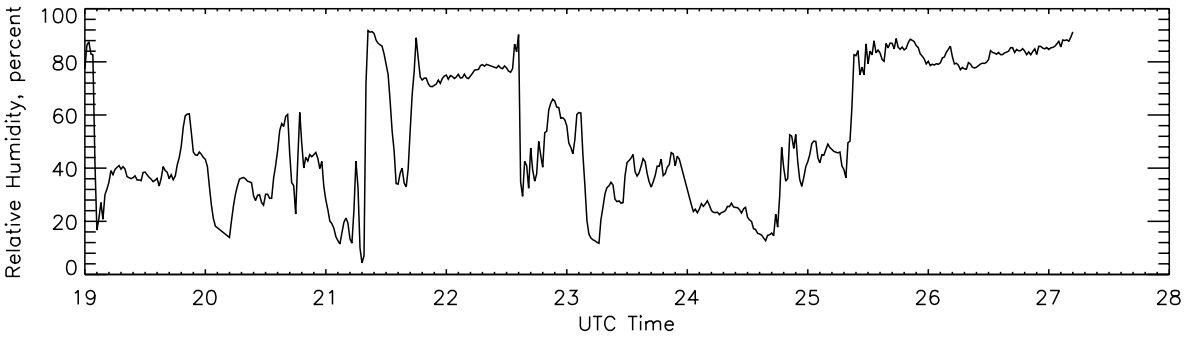
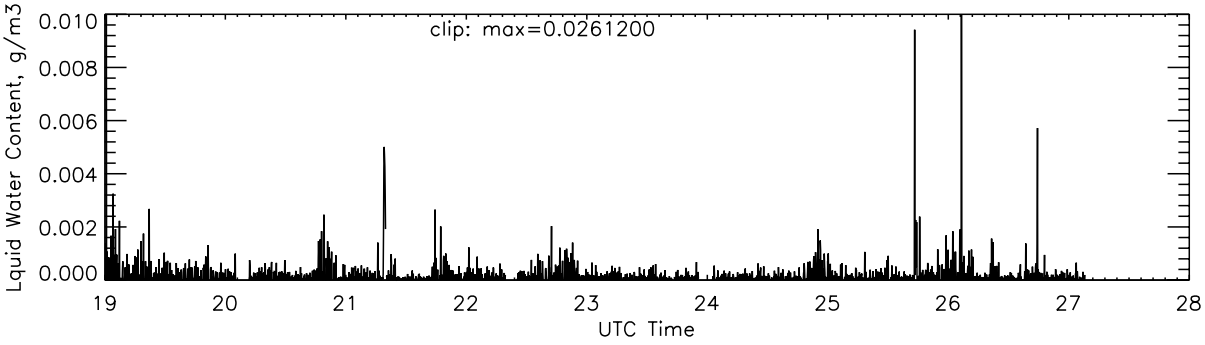
FINAL DATA: PEM Tropics B P3-B Flight 05

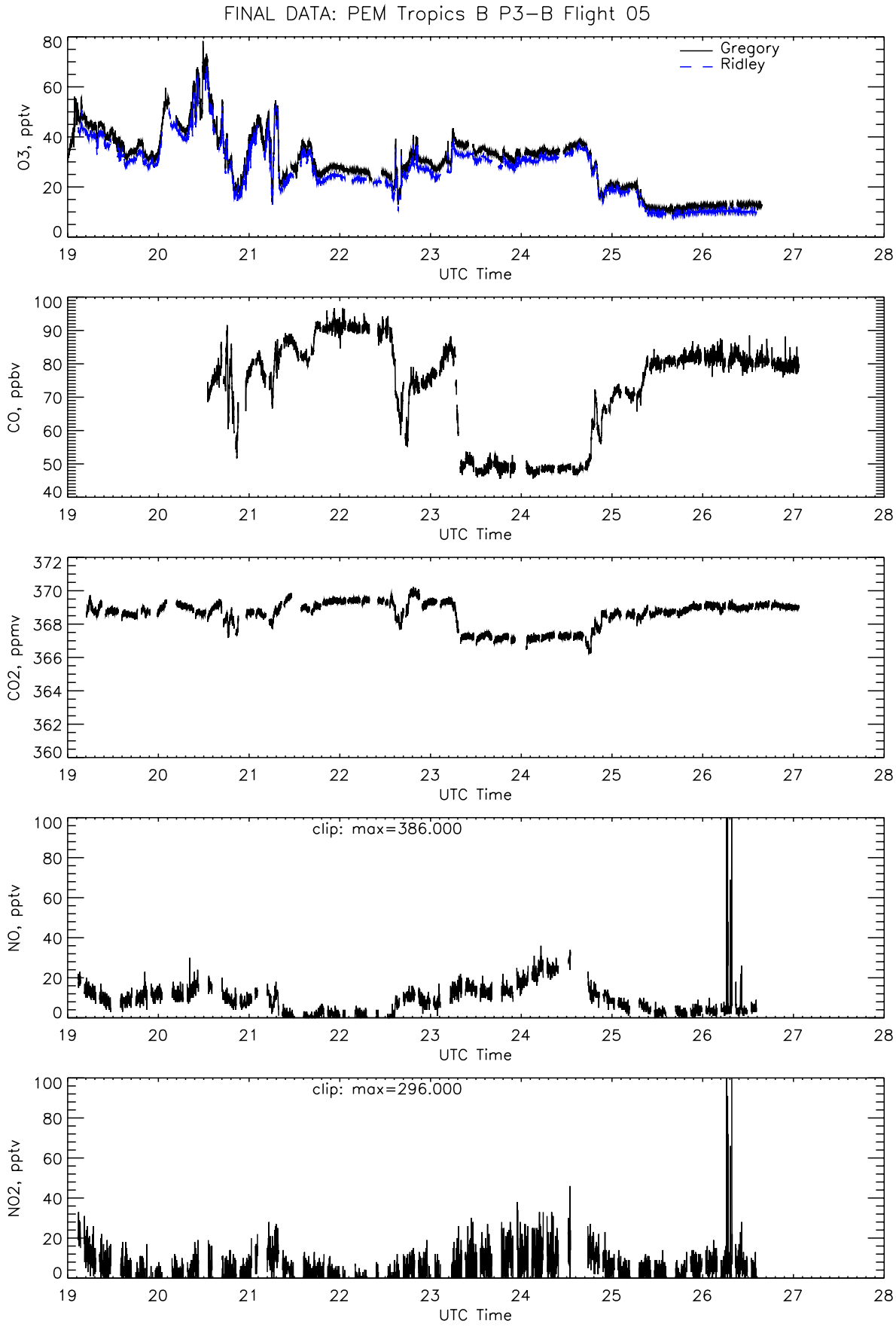




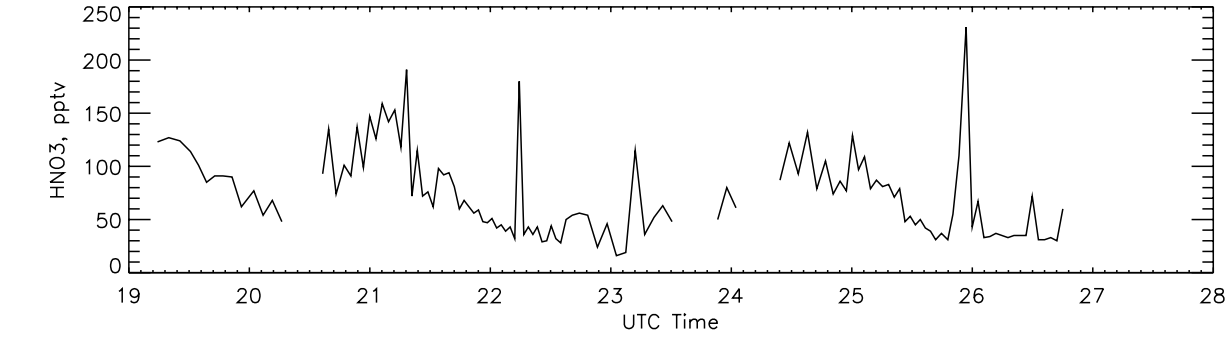


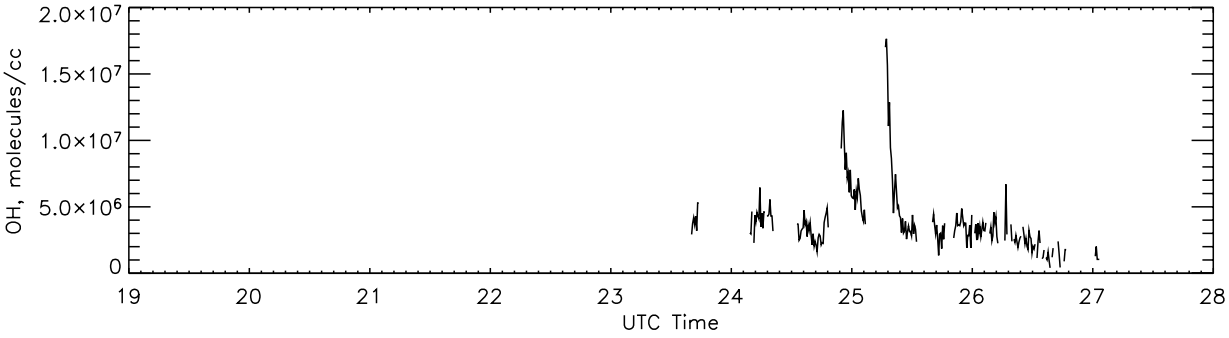


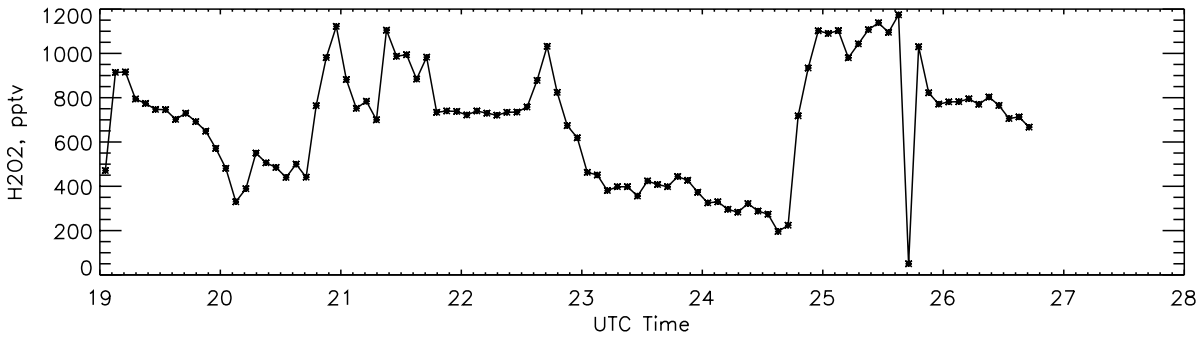


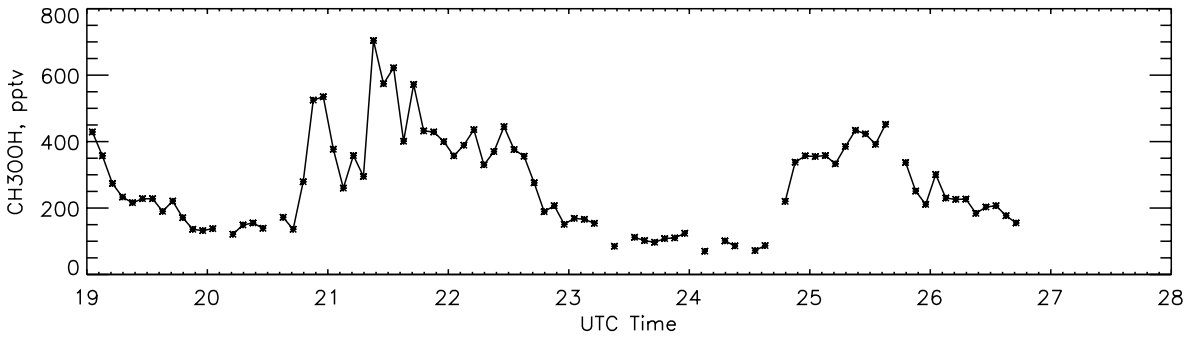

FINAL DATA: PEM Tropics B P3-B Flight 05
Gregory
Ridley
O3, pptv
CO, ppbv
CO2, ppmv
NO, pptv
clip: max=386.000
NO2, pptv
clip: max=296.000
UTC Time

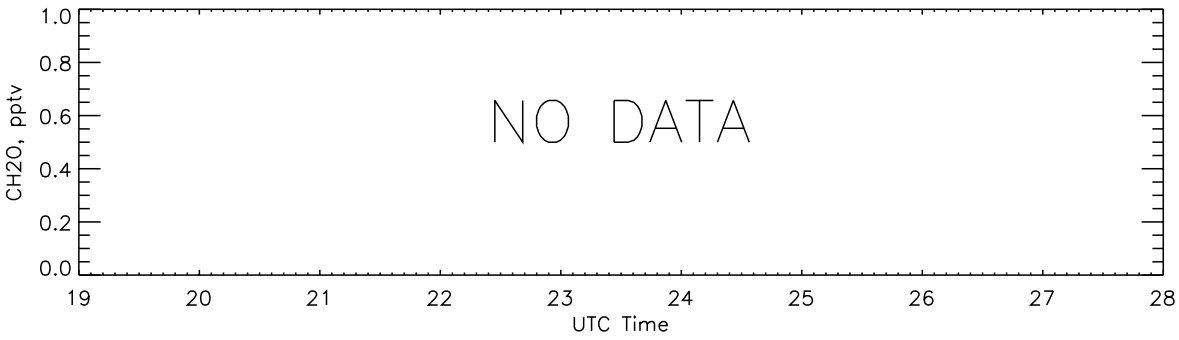
FINAL DATA: PEM Tropics B P3-B Flight 05

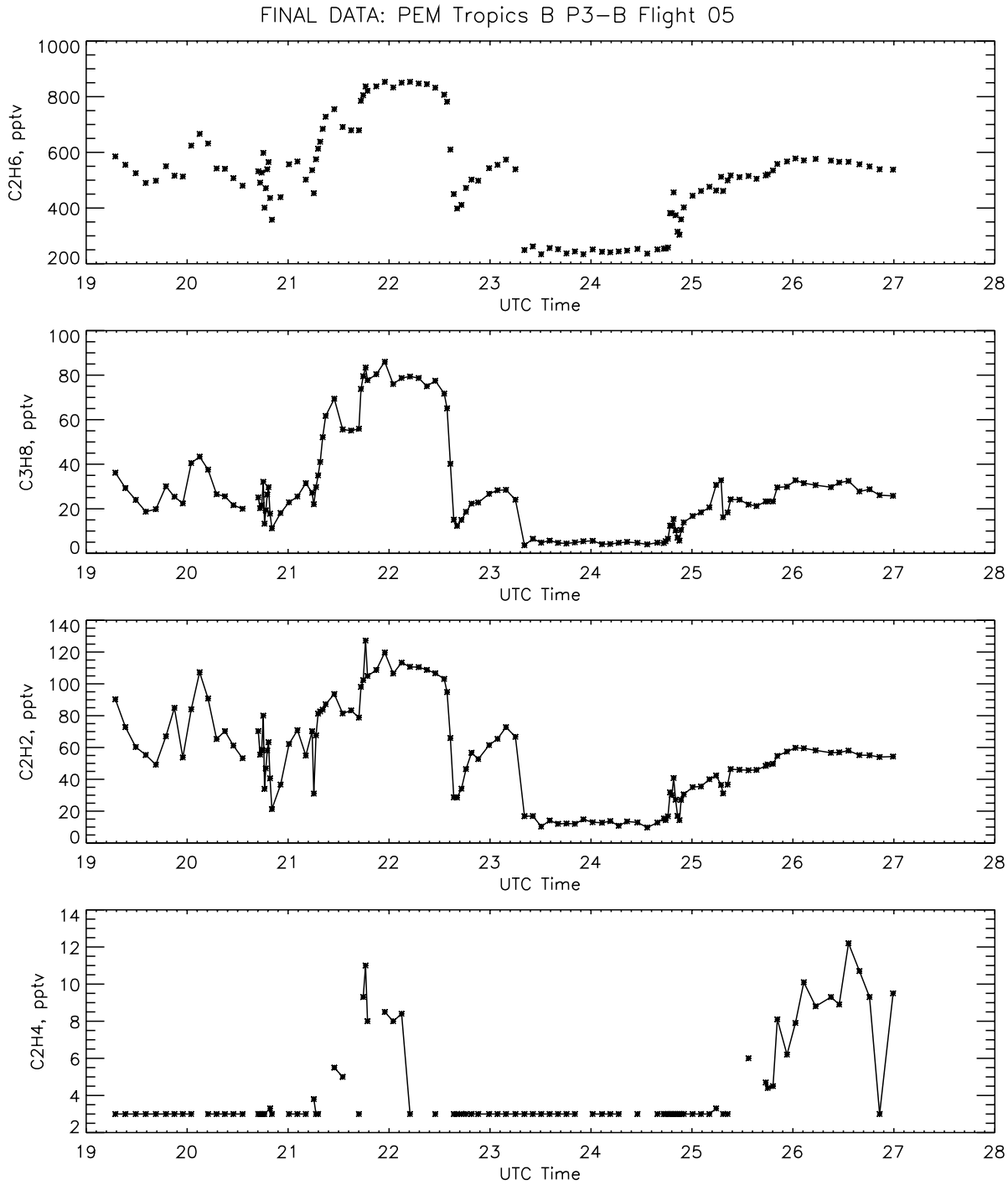











FINAL DATA: PEM Tropics B P3-B Flight 05
C2H6, pptv
1000
800
600
400
200
19
20
21
22
23
24
25
26
27
28
UTC Time
C3H8, pptv
100
80
60
40
20
0
UTC Time
C2H2, pptv
140
120
100
80
60
40
20
0
UTC Time
C2H4, pptv
14
12
10
8
6
4
2
UTC Time

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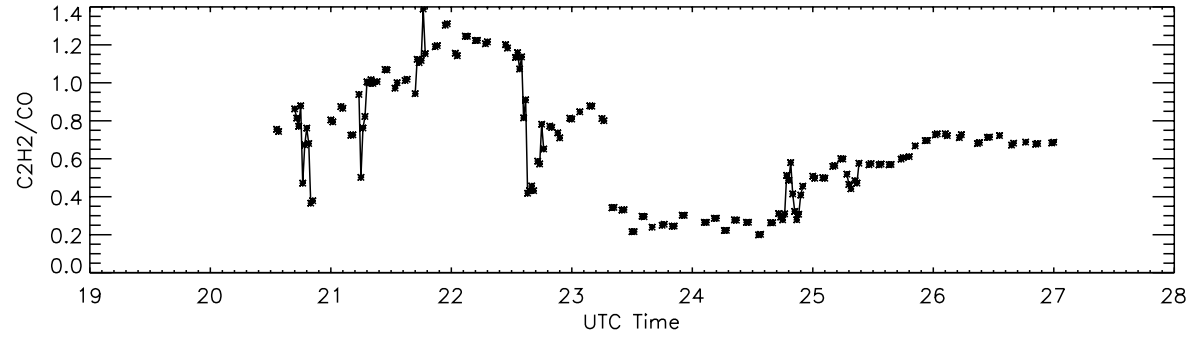
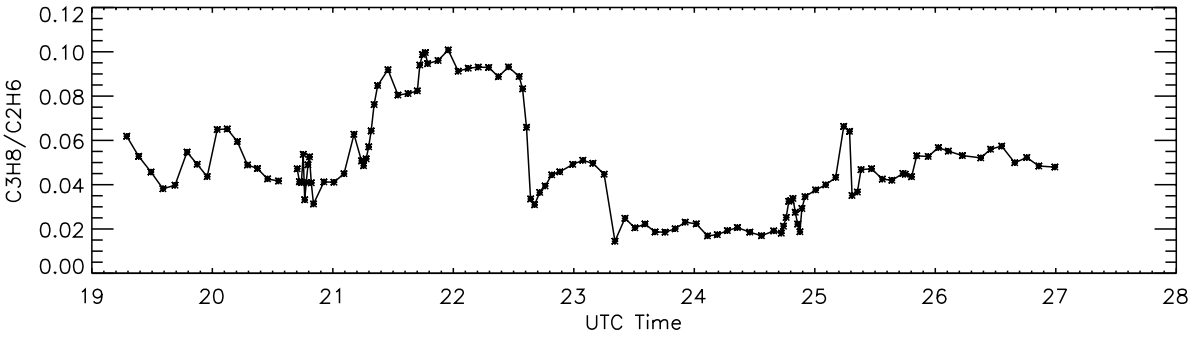
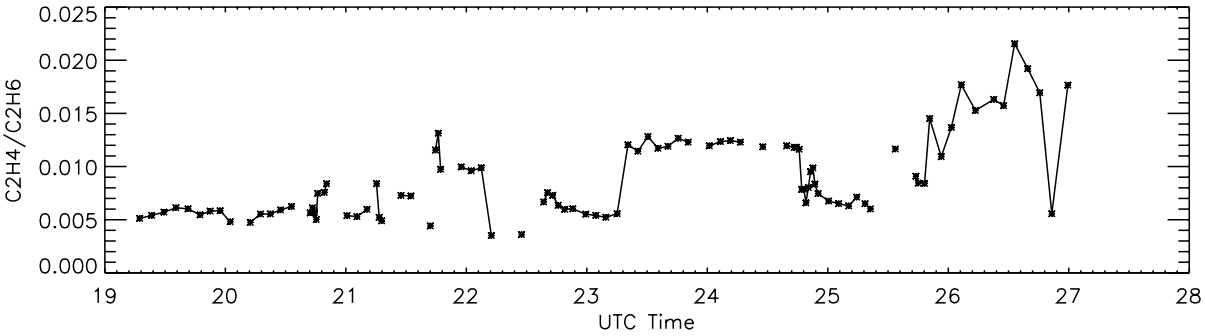
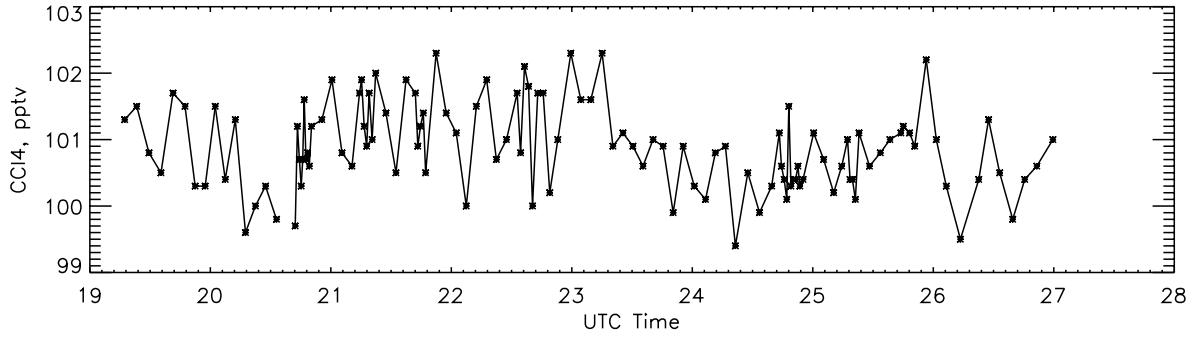
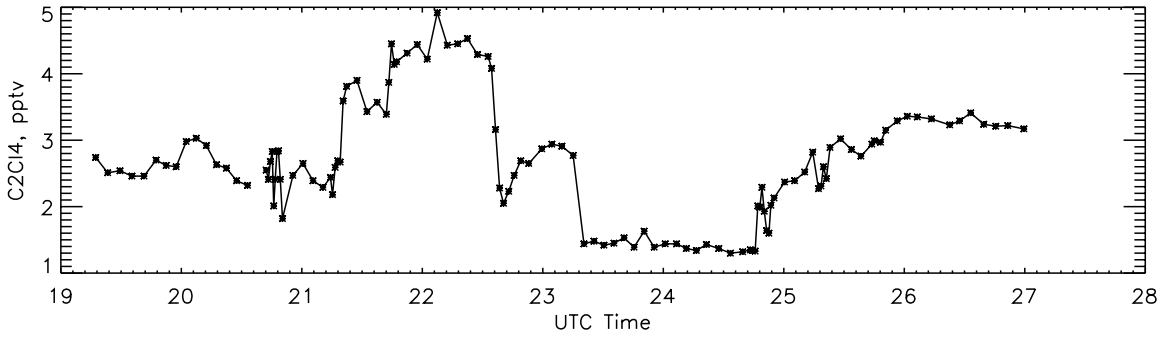
FINAL DATA: PEM Tropics B P3-B Flight 05



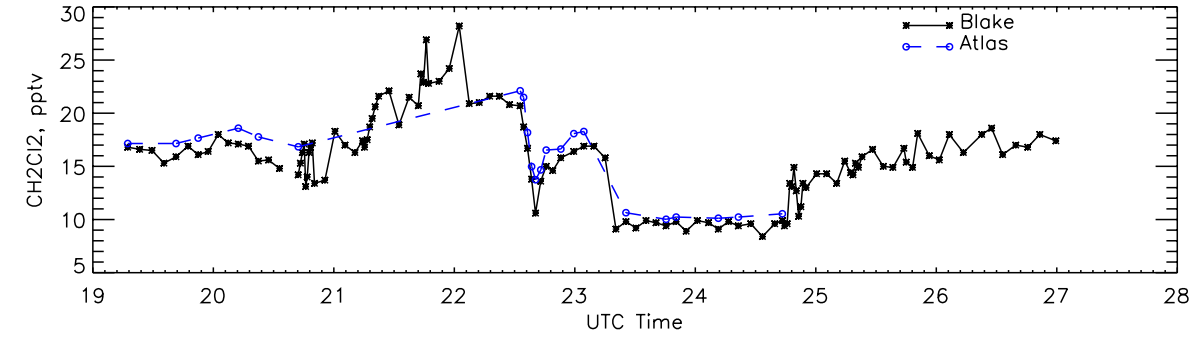


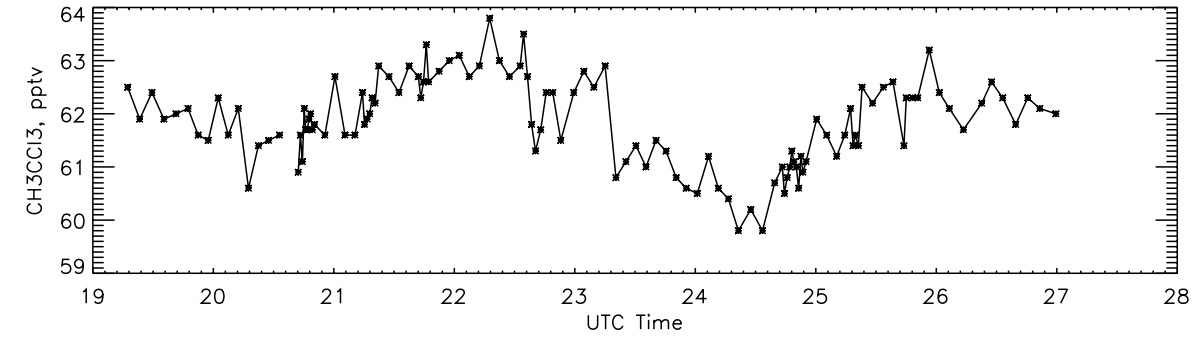


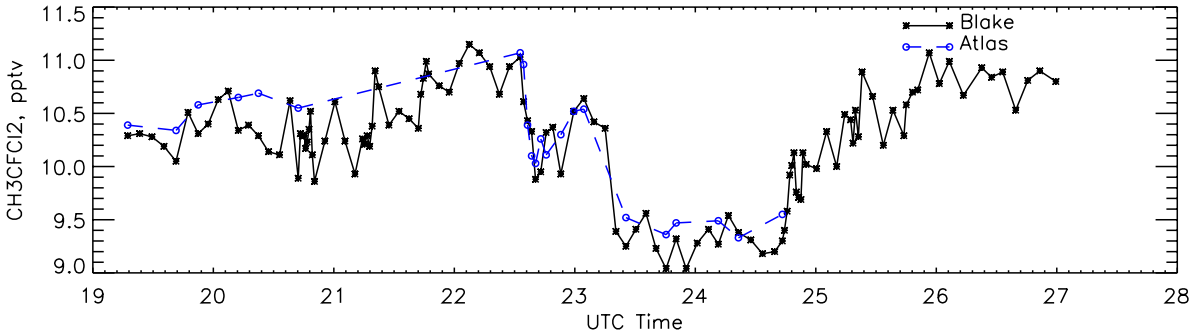


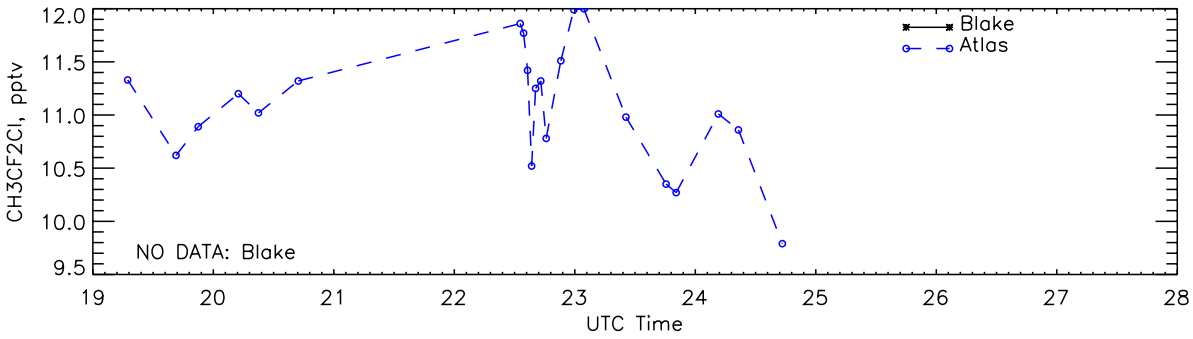


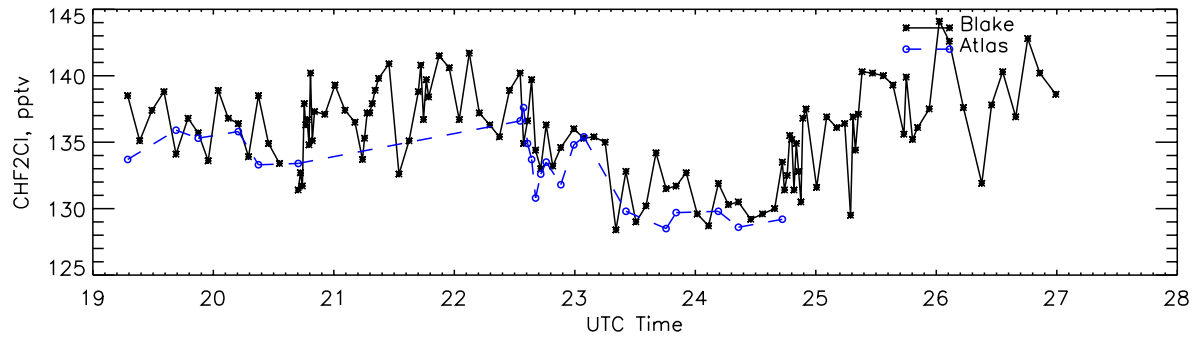
FINAL DATA: PEM Tropics B P3-B Flight 05



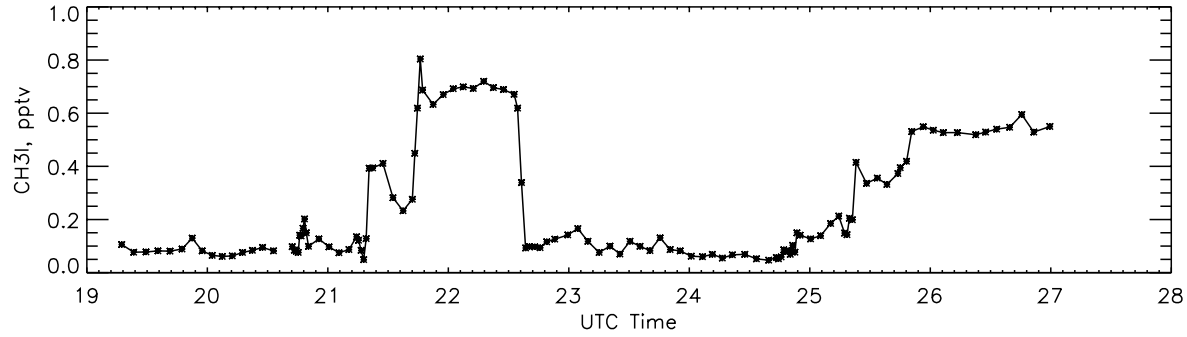


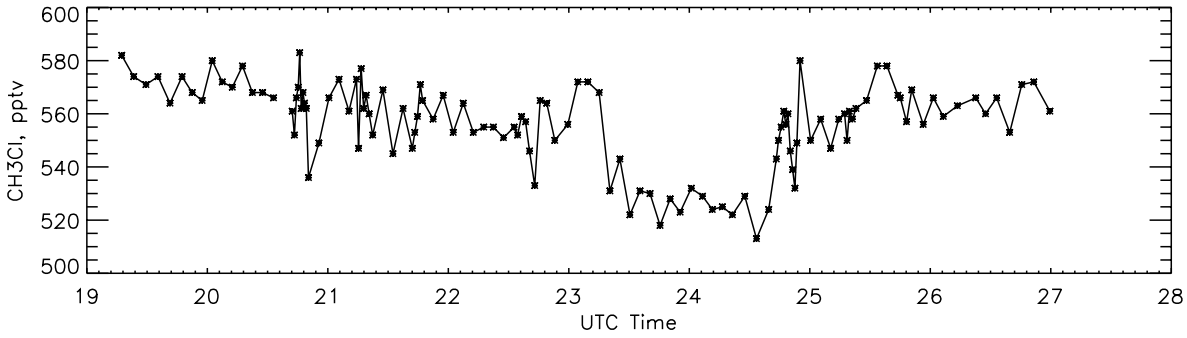


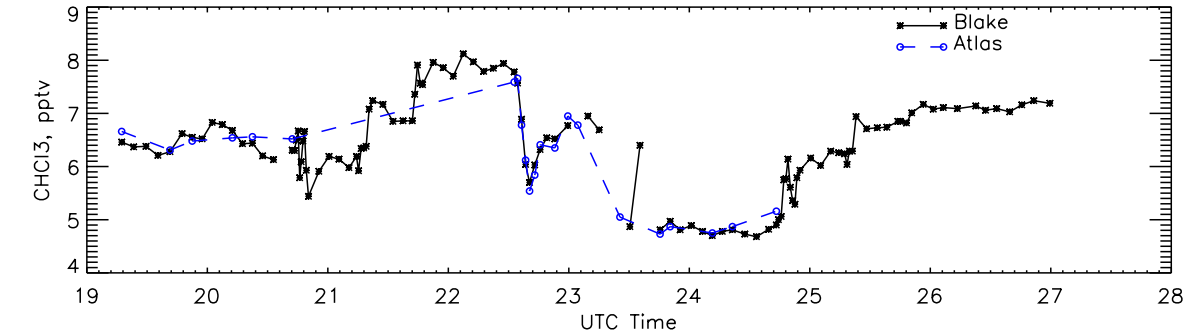


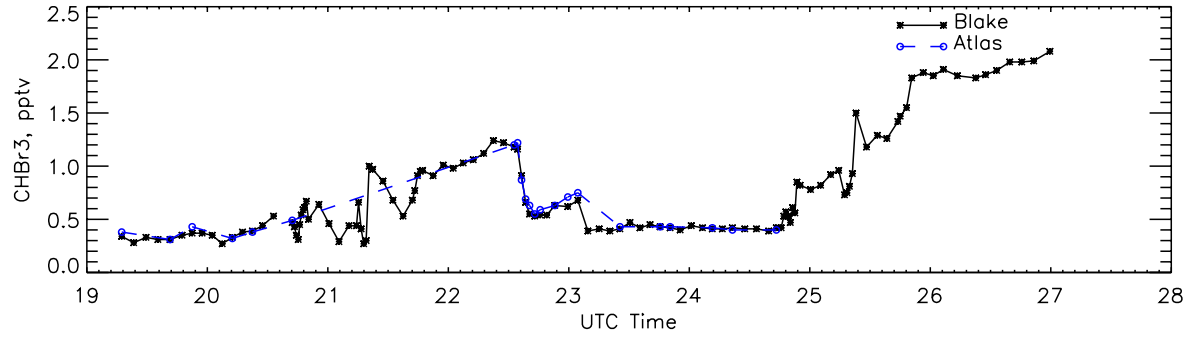


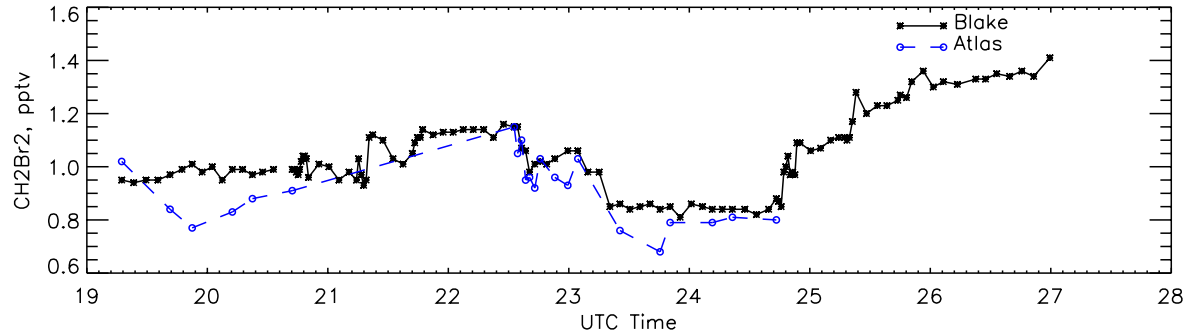
FINAL DATA: PEM Tropics B P3-B Flight 05

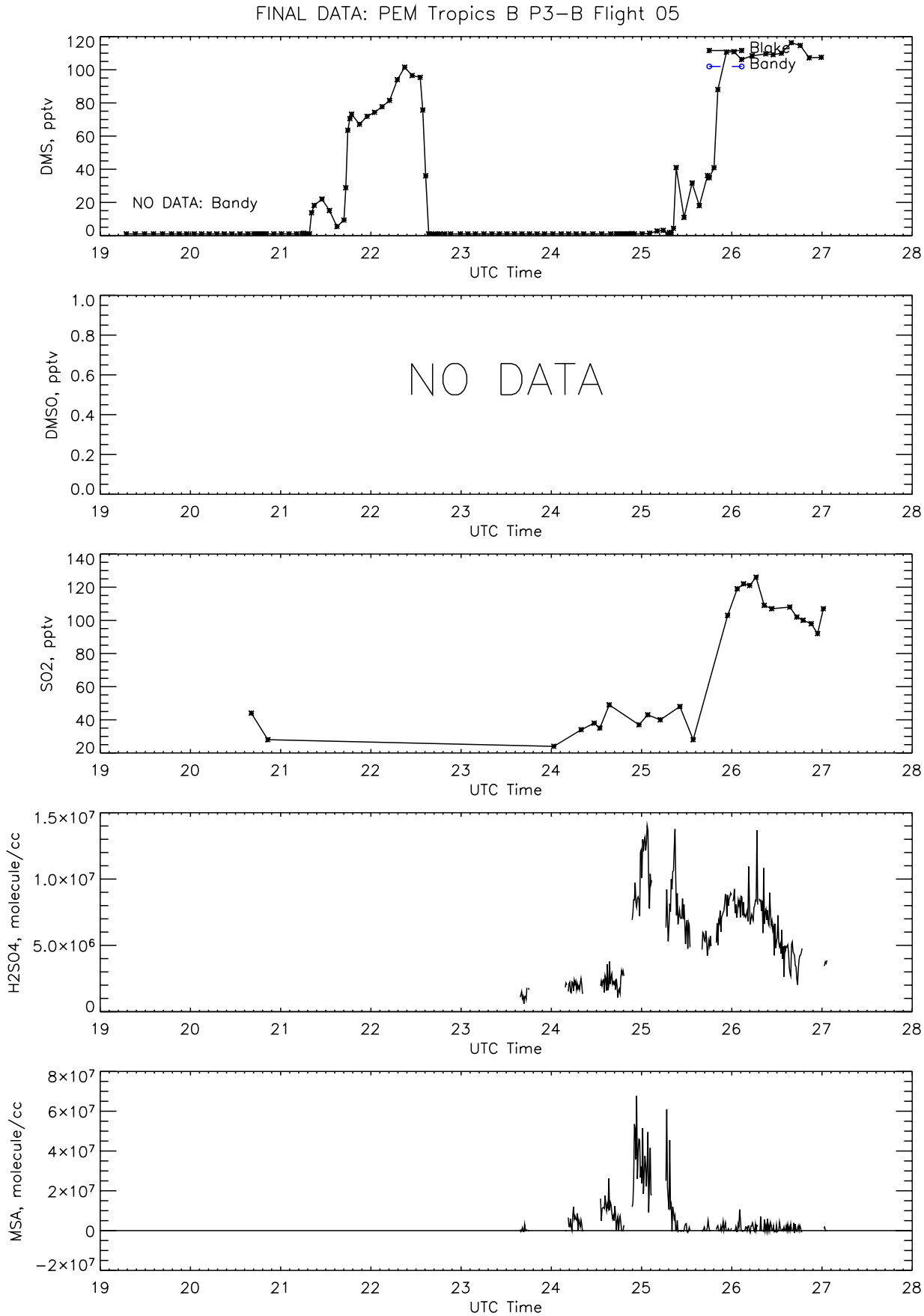




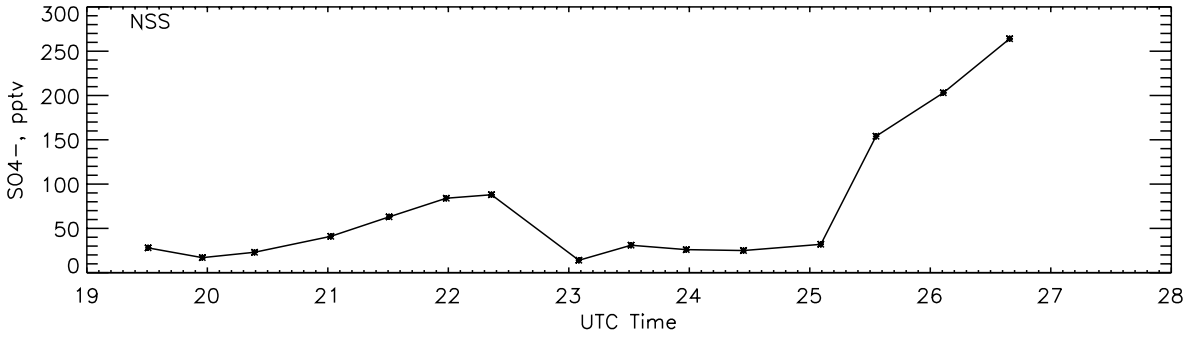


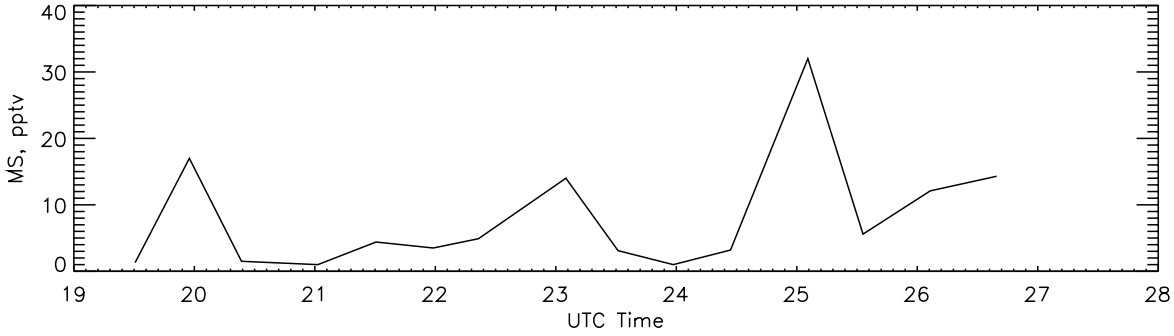


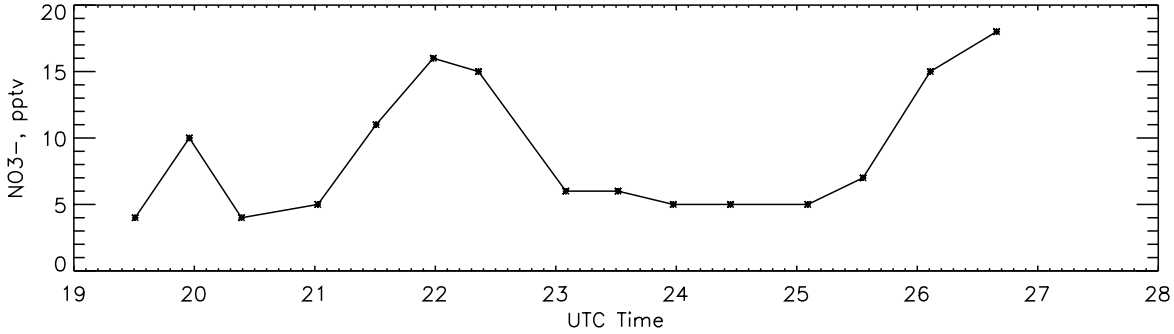


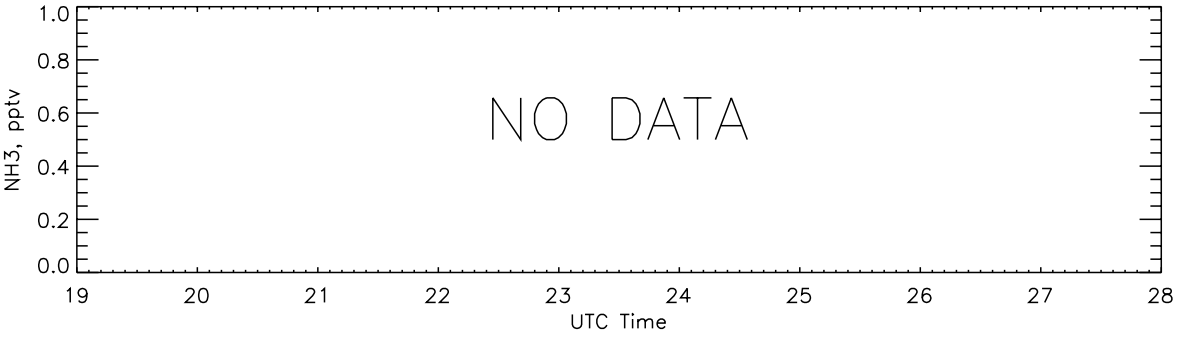

FINAL DATA: PEM Tropics B P3-B Flight 05
DMS, pptv
NO DATA: Bandy
Blake
Bandy
UTC Time
DMSO, pptv
NO DATA
UTC Time
SO2, pptv
UTC Time
H2SO4, molecule/cc
UTC Time
MSA, molecule/cc
UTC Time

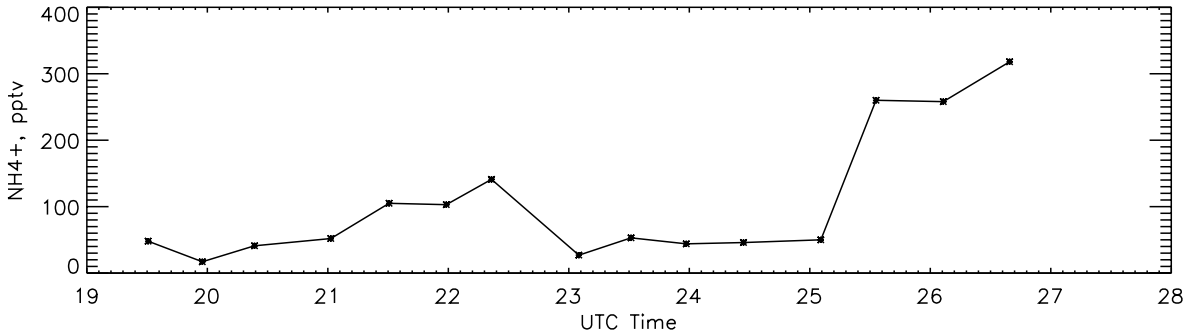
FINAL DATA: PEM Tropics B P3-B Flight 05

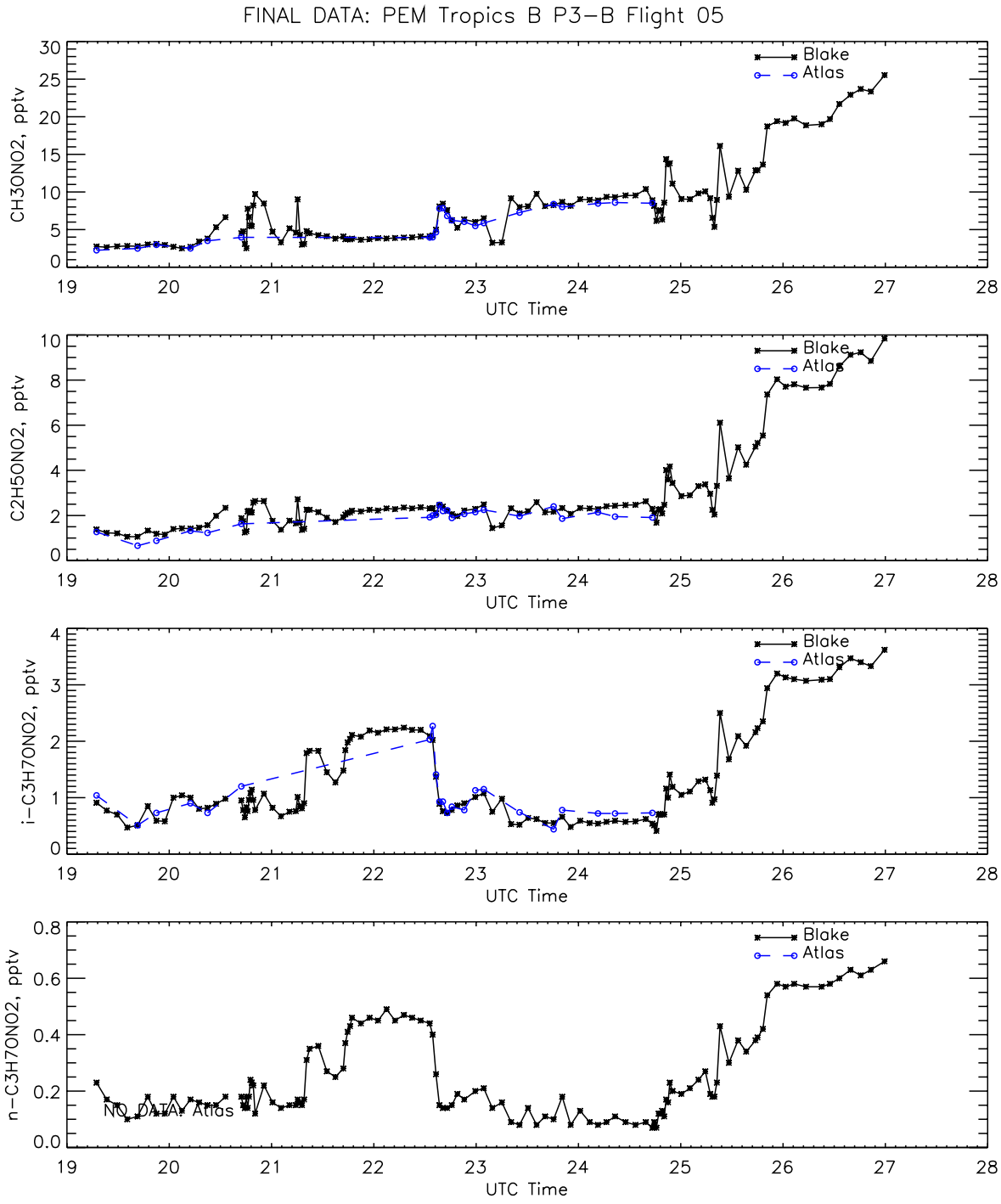




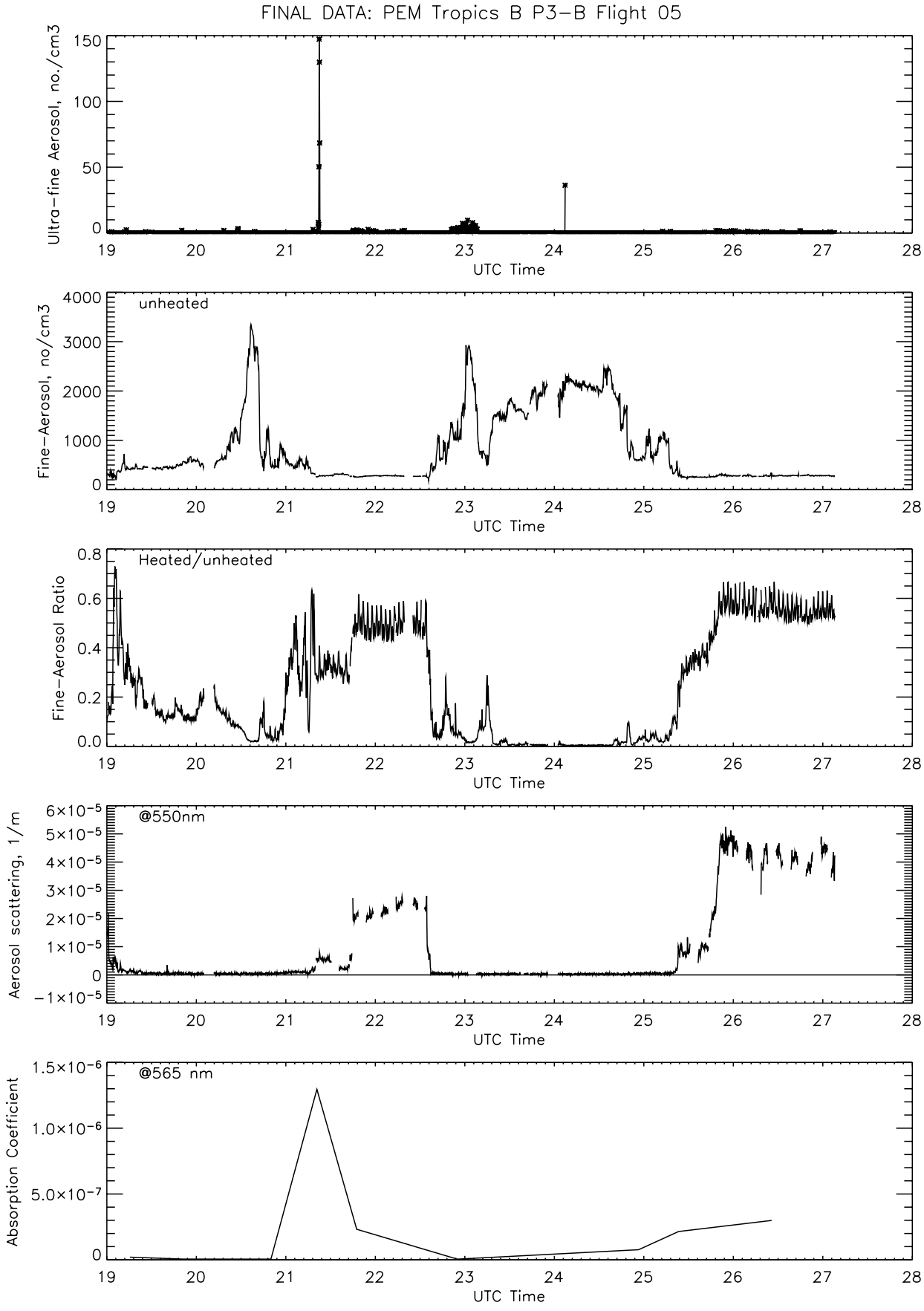




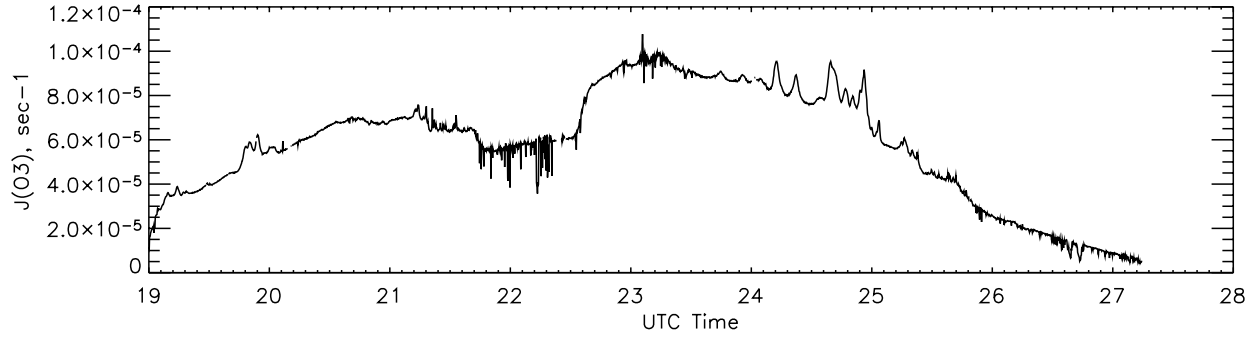


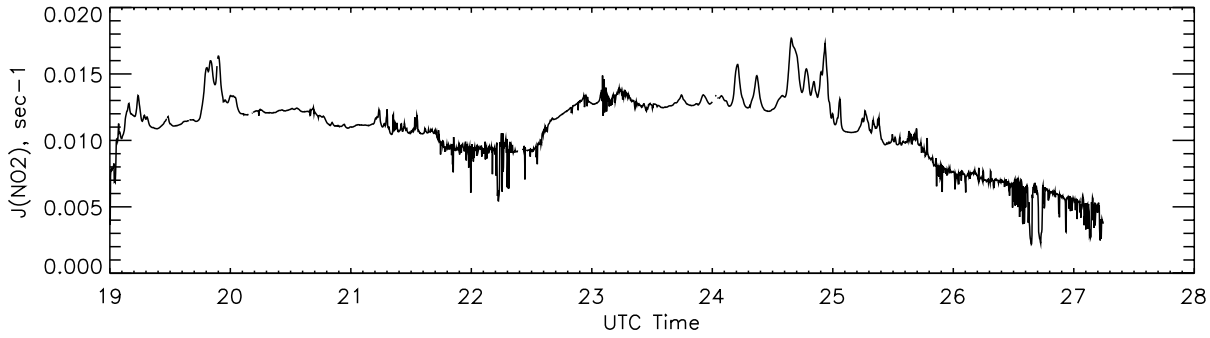

FINAL DATA: PEM Tropics B P3-B Flight 05
CH3ONO2, pptv
C2H5ONO2, pptv
i-C3H7ONO2, pptv
n-C3H7ONO2, pptv
Blake
Atlas
NO DATA: Atlas
UTC Time

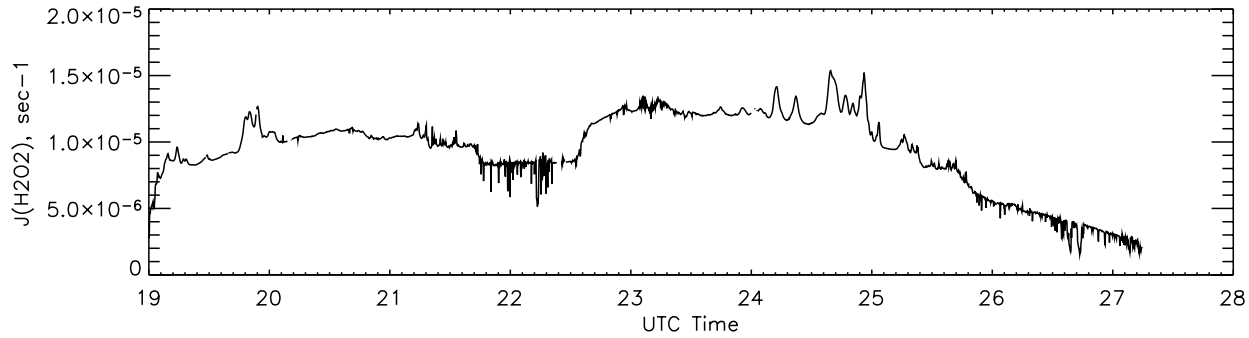
LEFT BLANK

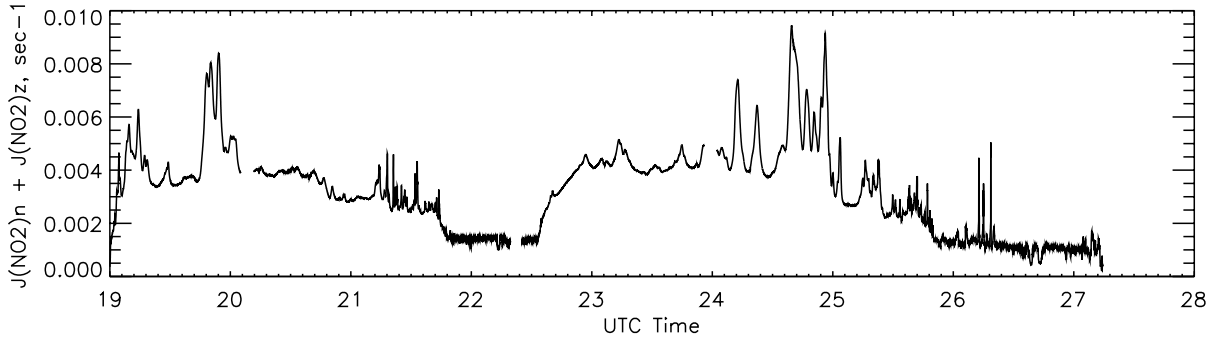

FINAL DATA: PEM Tropics B P3-B Flight 05
Ultra-fine Aerosol, no./cm3
150
100
50
0
19
20
21
22
23
24
25
26
27
28
UTC Time
Fine-Aerosol, no/cm3
unheated
4000
3000
2000
1000
0
UTC Time
Fine-Aerosol Ratio
Heated/unheated
0.8
0.6
0.4
0.2
0.0
UTC Time
Aerosol scattering, 1/m
@550nm
6×10⁻⁵
5×10⁻⁵
4×10⁻⁵
3×10⁻⁵
2×10⁻⁵
1×10⁻⁵
0
−1×10⁻⁵
UTC Time
Absorption Coefficient
@565 nm
1.5×10⁻⁶
1.0×10⁻⁶
5.0×10⁻⁷
0
UTC Time

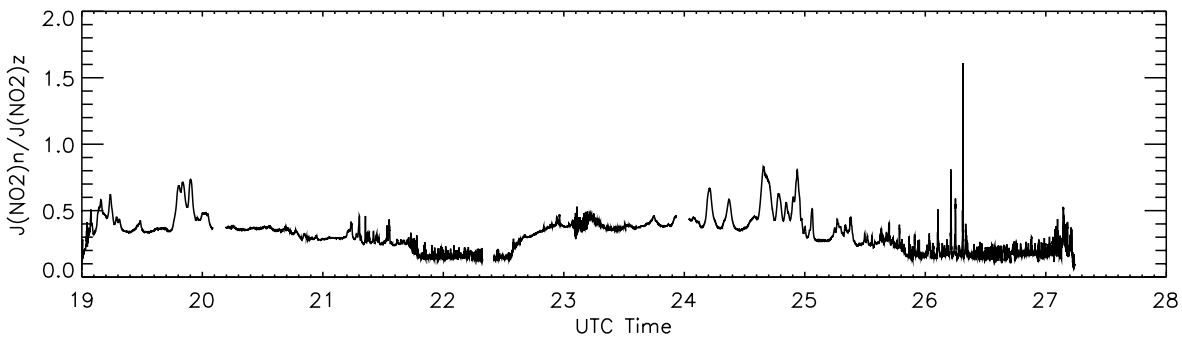
FINAL DATA: PEM Tropics B P3-B Flight 05

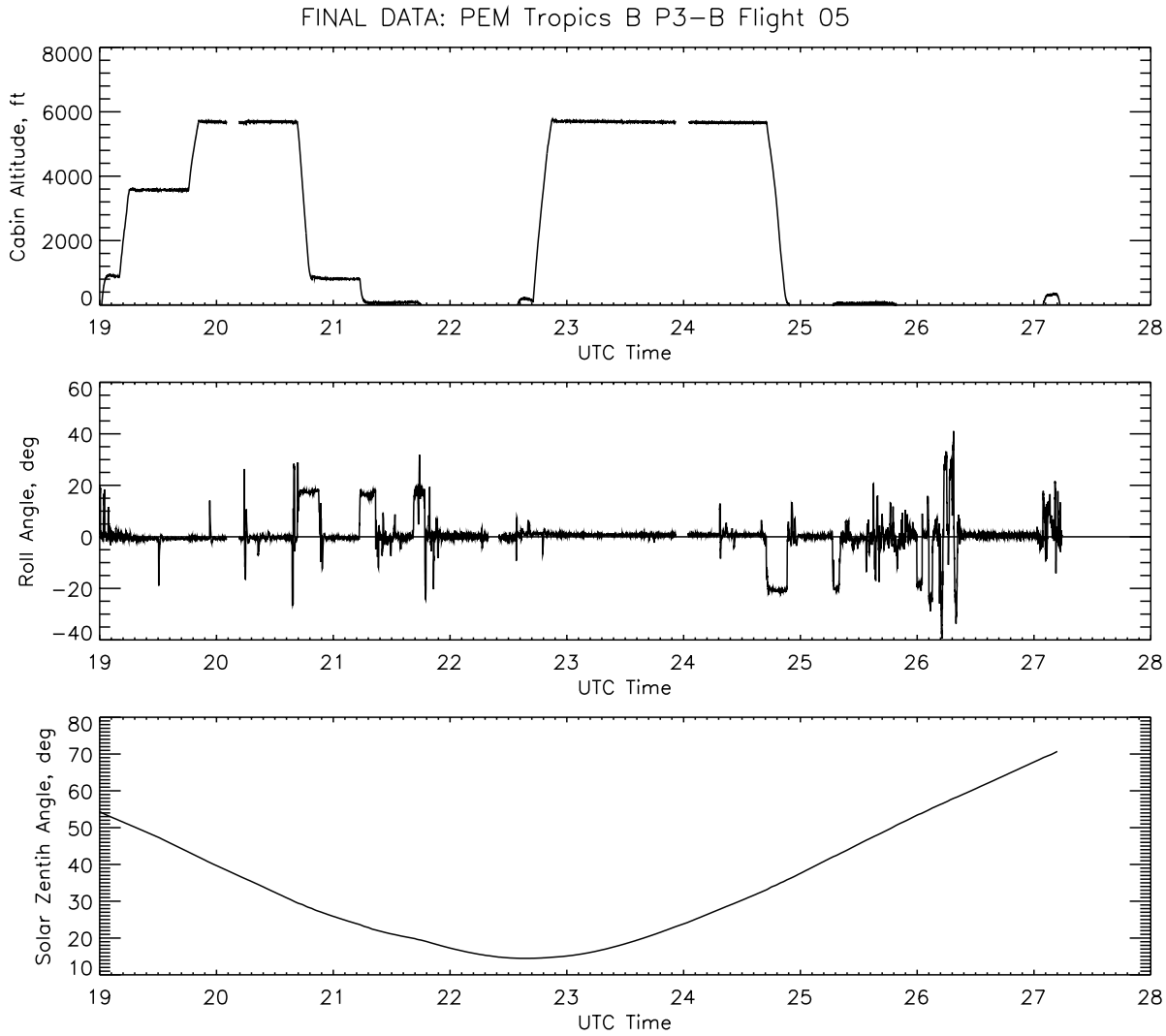











FINAL DATA: PEM Tropics B P3-B Flight 05
Cabin Altitude, ft
8000
6000
4000
2000
0
19
20
21
22
23
24
25
26
27
28
UTC Time
Roll Angle, deg
60
40
20
0
−20
−40
19
20
21
22
23
24
25
26
27
28
UTC Time
Solar Zenith Angle, deg
80
70
60
50
40
30
20
10
19
20
21
22
23
24
25
26
27
28
UTC Time