2. MIPAS Daily Report for level 2 products summary report

(See **mipas_daily_report_level2_ML2PP_7_03_W_20070117.html** for a detailed report).

2.1 General Info

This report contains a daily analysis on parameters extracted from MIPAS level 2 data (The MIP_NL__2P product).

2.1.1 Report summary

The table below shows general characteristics of the data that are included into this report.

Item	Value
Report version	v1.11 26-05-2015
Time of report generation	28APR2016 09:55:51
Data source version	ML2PP/7.03-W
Processing scope for products	17JAN2007 00:00:00 to 18JAN2007 00:00:00
Start time of first product within scope	16JAN2007 23:28:52
Stop time of last product within scope	18JAN2007 00:37:44
Total number of level 2 products	15
Number of level 2 products with errors	0

2.1.2 Summary per product

The following table shows a summary for each product used in this report.

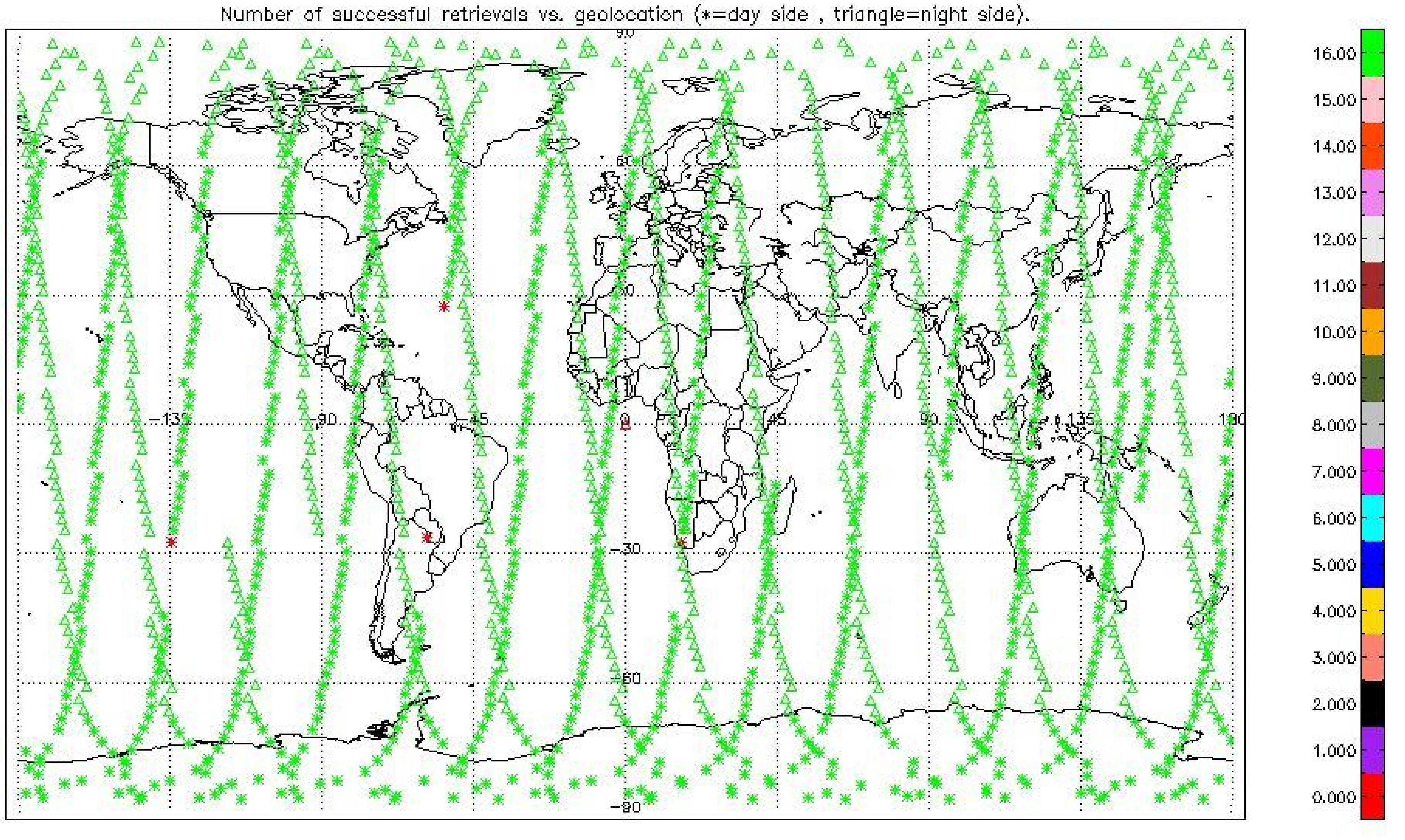
#	Product name	Start time	Stop time	Prod err	Number of scans (tot/proc)	Quality summary warnings
0	MIP_NL__2PWDSI20070116_232852_000060352054_00417_25521_1000.N1	16JAN2007 23:28:52	17JAN2007 01:09:26	0	133/133	VMR_TERM_MACRO_MICRO[HCN/micro:2]
1	MIP_NL__2PWDSI20070117_010933_000059912054_00418_25522_1000.N1	17JAN2007 01:09:33	17JAN2007 02:49:23	0	132/132	VMR_TERM_MACRO_MICRO[HCN/macro:1; HCN/micro:3]
2	MIP_NL__2PWDSI20070117_024959_000036652054_00419_25523_1000.N1	17JAN2007 02:49:59	17JAN2007 03:51:04	0	81/81	VMR_TERM_MACRO_MICRO[F14/macro:1; COF2/micro:1; HCN/micro:2]
3	MIP_NL__2PWDSI20070117_043039_000060352054_00420_25524_1000.N1	17JAN2007 04:30:39	17JAN2007 06:11:14	0	133/133	VMR_TERM_MACRO_MICRO[HCN/micro:1]
4	MIP_NL__2PWDSI20070117_071217_000023342054_00421_25525_1000.N1	17JAN2007 07:12:17	17JAN2007 07:51:11	0	52/52	VMR_TERM_MACRO_MICRO[HCN/micro:1]
5	MIP_NL__2PWDSI20070117_075147_000060342054_00422_25526_1000.N1	17JAN2007 07:51:47	17JAN2007 09:32:21	0	129/129	VMR_TERM_MACRO_MICRO[HCN/macro:1; HCN/micro:2]
6	MIP_NL__2PWDSI20070117_093227_000060352054_00423_25527_1000.N1	17JAN2007 09:32:27	17JAN2007 11:13:02	0	133/133	VMR_TERM_MACRO_MICRO[HCN/macro:1; F14/micro:1]
7	MIP_NL__2PWDSI20070117_111308_000059912054_00424_25528_1000.N1	17JAN2007 11:13:08	17JAN2007 12:52:59	0	132/132	VMR_TERM_MACRO_MICRO[HCN/macro:1; CH4/micro:1; HCN/micro:1]
8	MIP_NL__2PWDSI20070117_125334_000060342054_00425_25529_1000.N1	17JAN2007 12:53:34	17JAN2007 14:34:09	0	110/110	VMR_TERM_MACRO_MICRO[F14/macro:2; HCN/micro:2]
9	MIP_NL__2PWDSI20070117_143415_000060352054_00426_25530_1000.N1	17JAN2007 14:34:15	17JAN2007 16:14:50	0	133/133	VMR_TERM_MACRO_MICRO[HCN/micro:2]
10	MIP_NL__2PWDSI20070117_161456_000059912054_00427_25531_1000.N1	17JAN2007 16:14:56	17JAN2007 17:54:47	0	132/132	VMR_TERM_MACRO_MICRO[F14/macro:1; HCN/micro:1; F14/micro:1]
11	MIP_NL__2PWDSI20070117_175522_000060342054_00428_25532_1000.N1	17JAN2007 17:55:22	17JAN2007 19:35:56	0	129/129	VMR_TERM_MACRO_MICRO[HCN/macro:1; HCN/micro:3]
12	MIP_NL__2PWDSI20070117_193603_000060352054_00429_25533_1000.N1	17JAN2007 19:36:03	17JAN2007 21:16:37	0	133/133	VMR_TERM_MACRO_MICRO[HCN/macro:2; F14/macro:1; HCN/micro:1]
13	MIP_NL__2PWDSI20070117_211644_000059912054_00430_25534_1000.N1	17JAN2007 21:16:44	17JAN2007 22:56:34	0	132/132	VMR_TERM_MACRO_MICRO[HCN/macro:1]
14	MIP_NL__2PWDSI20070117_225710_000060342054_00431_25535_1000.N1	17JAN2007 22:57:10	18JAN2007 00:37:44	0	129/129	VMR_TERM_MACRO_MICRO[HCN/micro:2]

2.2 Processing performance indicators

2.2.1 Successful retrievals

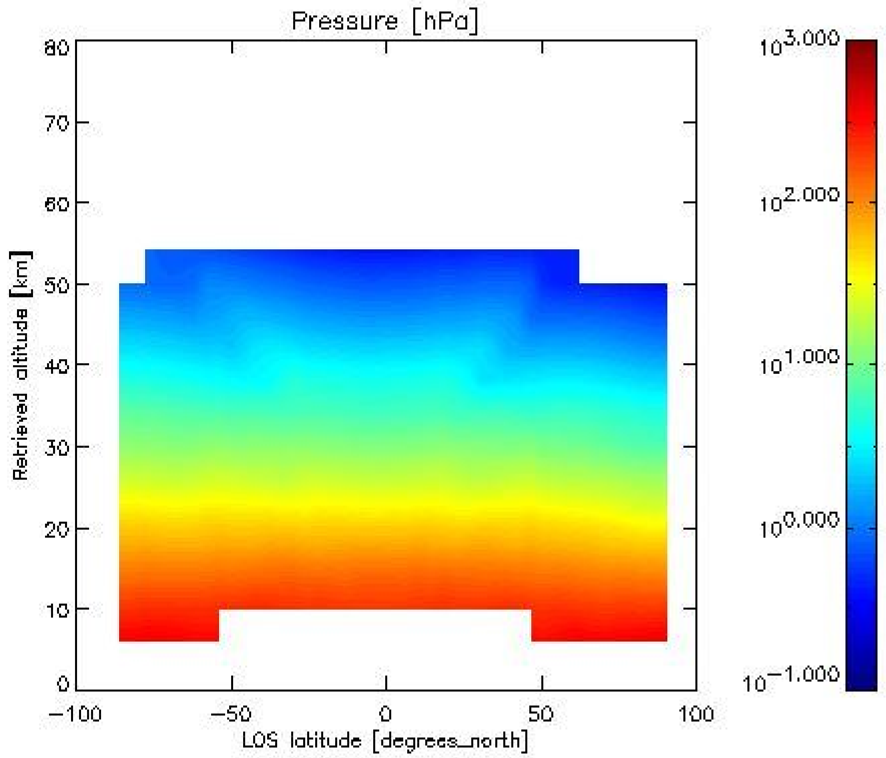
This section includes a table with statistics on the number of retrievals, as well as a worldmap plot that shows successful retrievals.

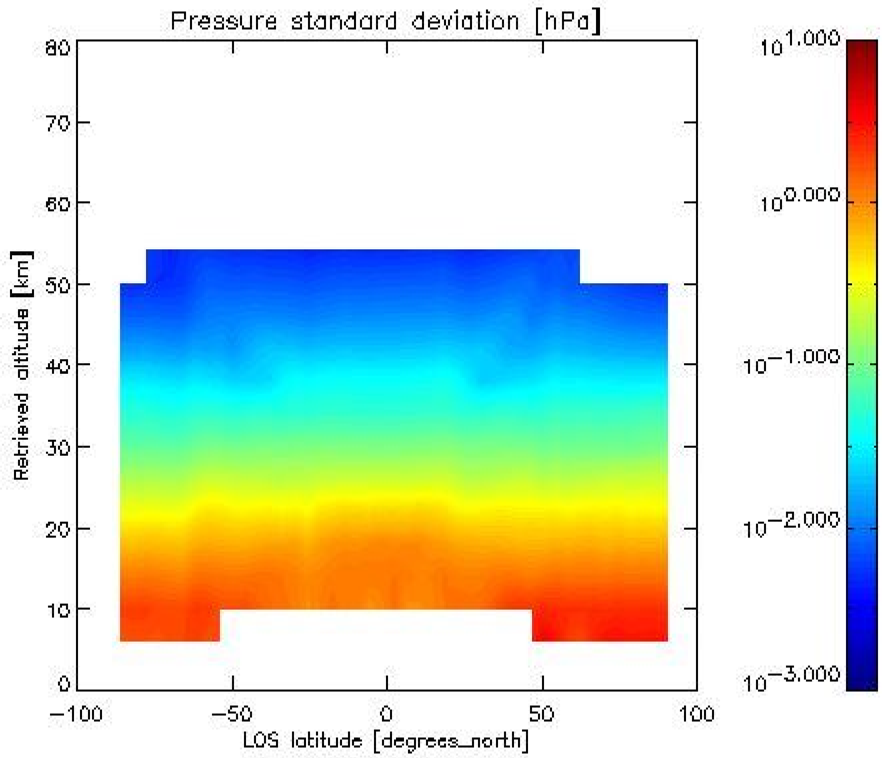
RETRIEVAL MDS	# scans processed	# Successful retrievals	%
PT	1823	1729	94.844
H2O	1823	1729	94.844
O3	1823	1729	94.844
HNO3	1823	1729	94.844
CH4	1823	1729	94.844
N2O	1823	1729	94.844
NO2	1823	1729	94.844
F11	1823	1729	94.844
CLNO	1823	1729	94.844
N2O5	1823	1729	94.844
F12	1823	1729	94.844
COF2	1823	1729	94.844
CCL4	1823	1729	94.844
HCN	1823	1729	94.844
F14	1823	1729	94.844
F22	1823	1729	94.844



2.2.2 Pressure overview

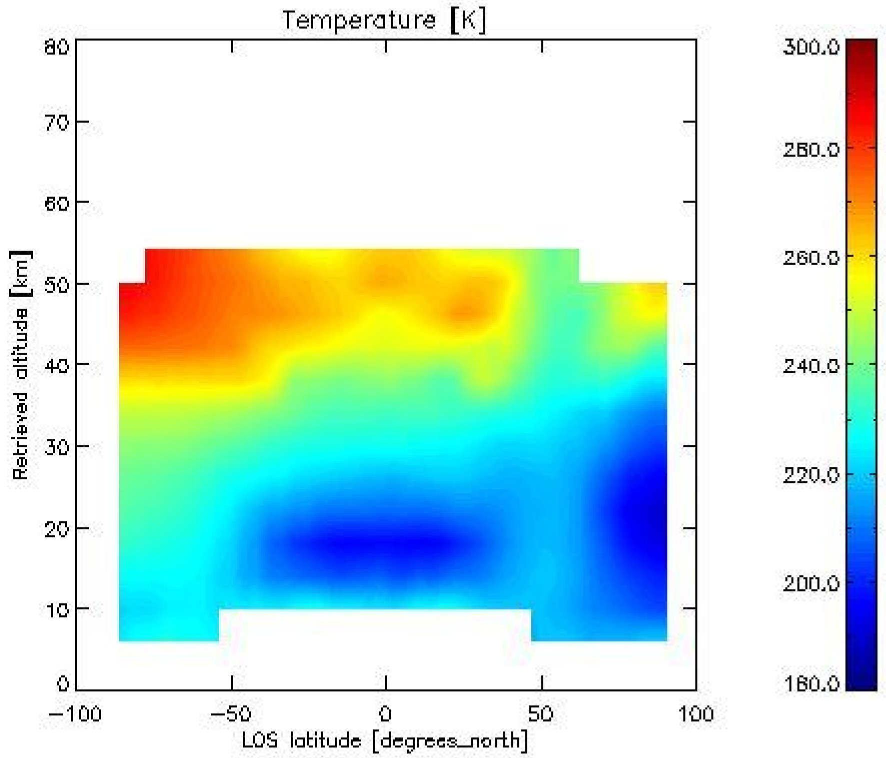
This section shows values (left) and error (right) for pressure after binning individual sweep values over retrieved altitude and tangent latitude.

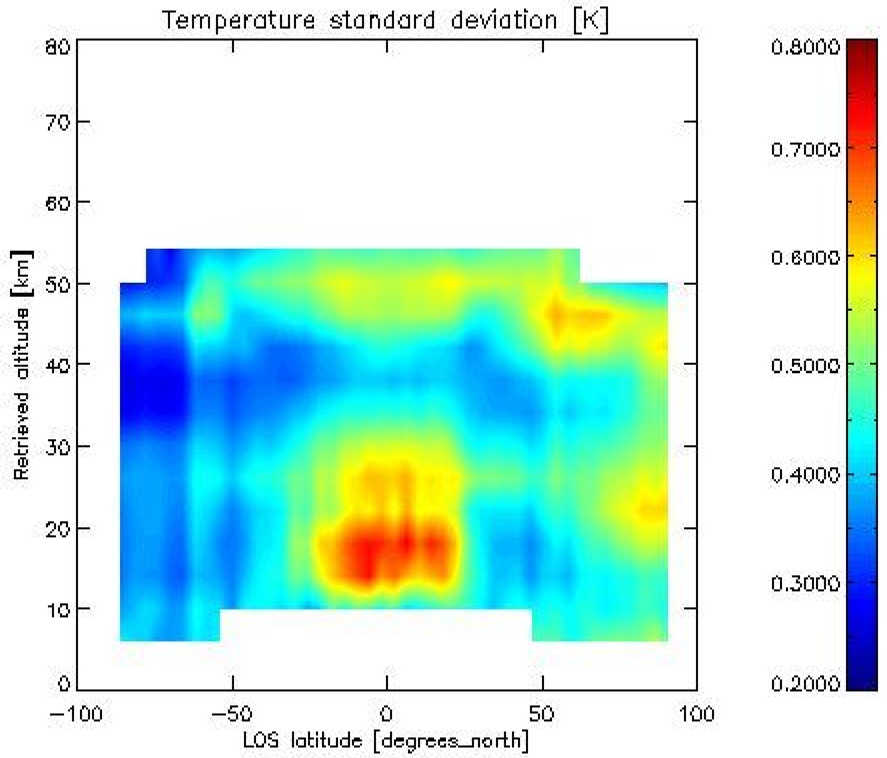




2.2.3 Temperature overview

This section shows values (left) and error (right) for temperature after binning individual sweep values over retrieved altitude and tangent latitude.

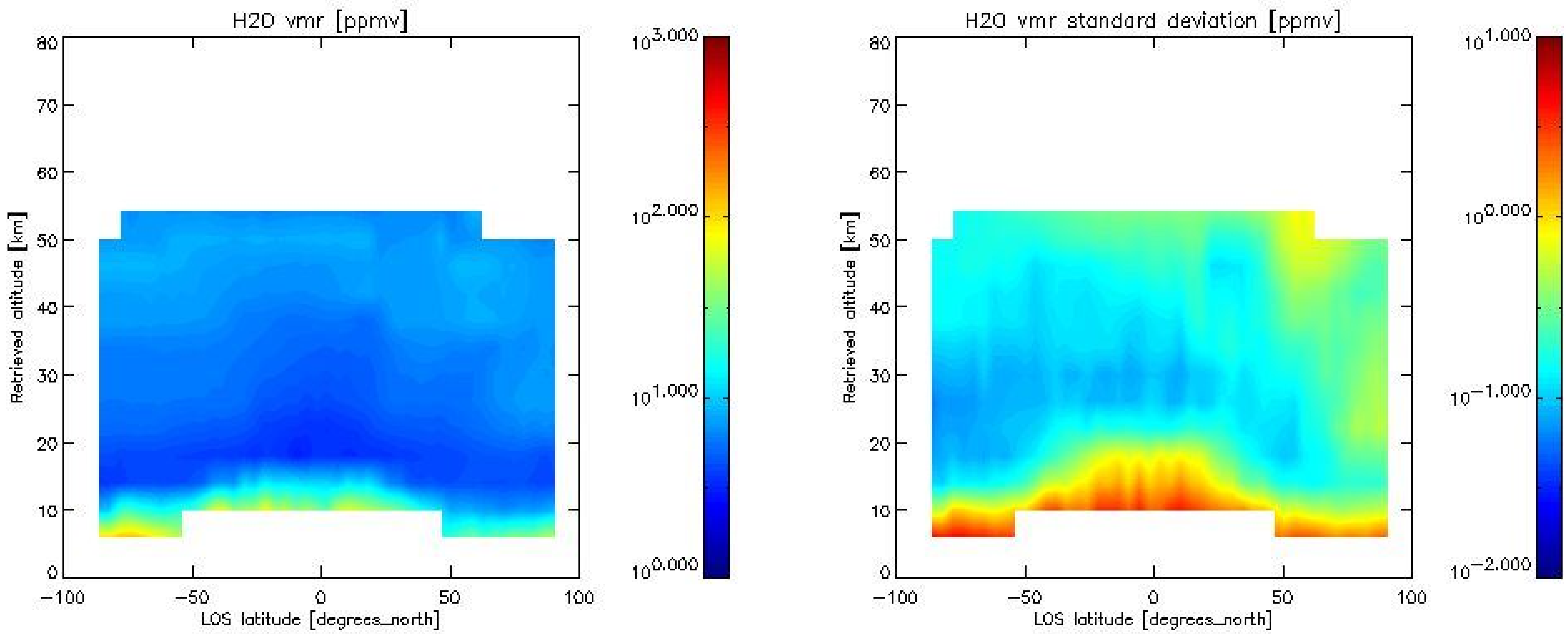




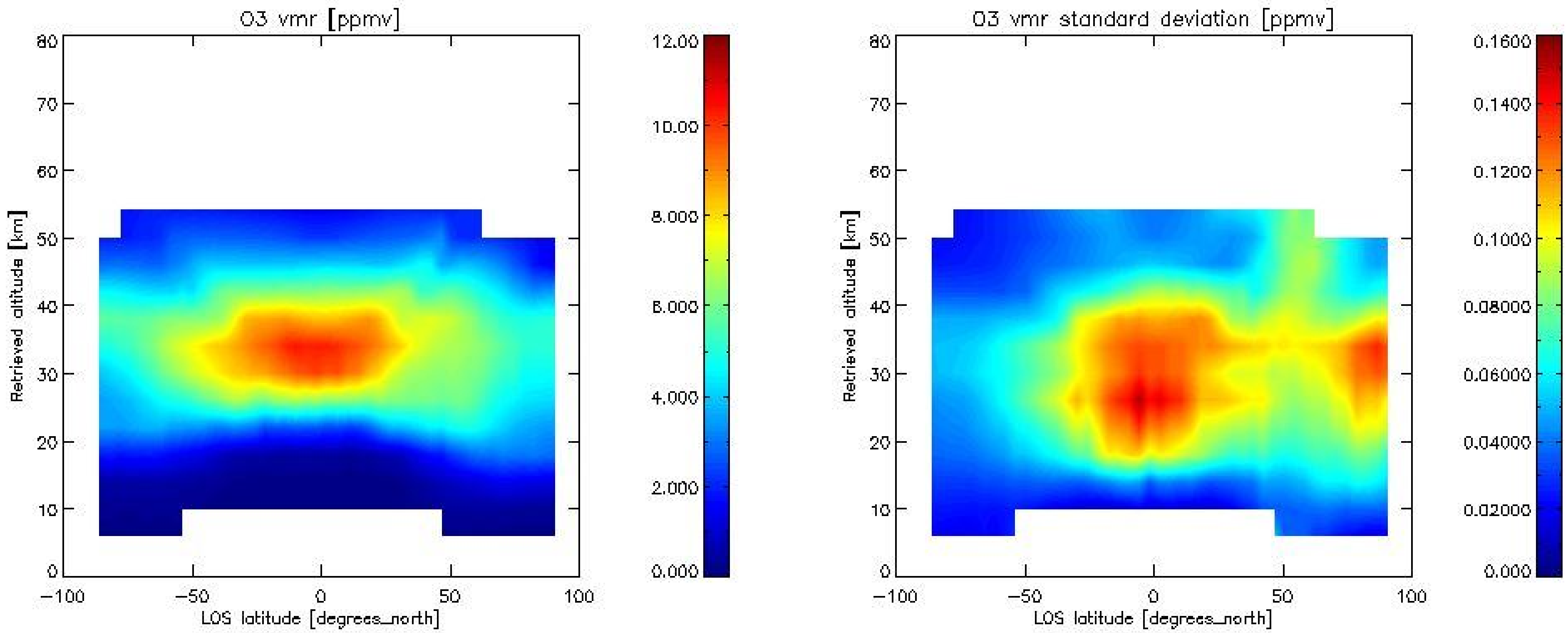
2.2.4 Species overview

2.2.4.1 H2O overview

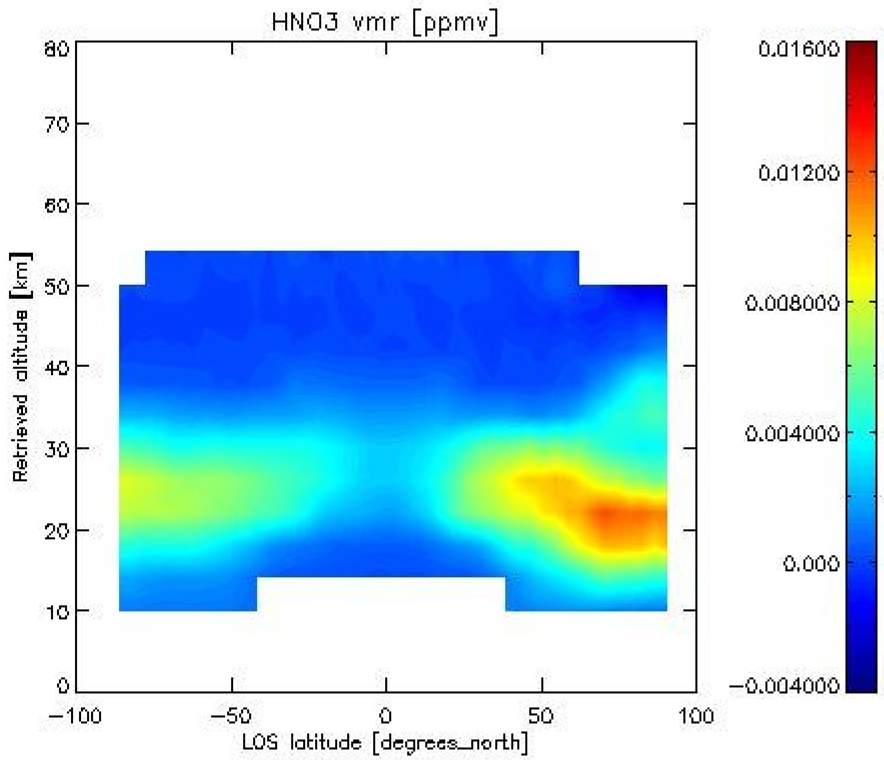
This section shows values (left) and error (right) for H2O after binning individual sweep values over retrieved altitude and tangent latitude.

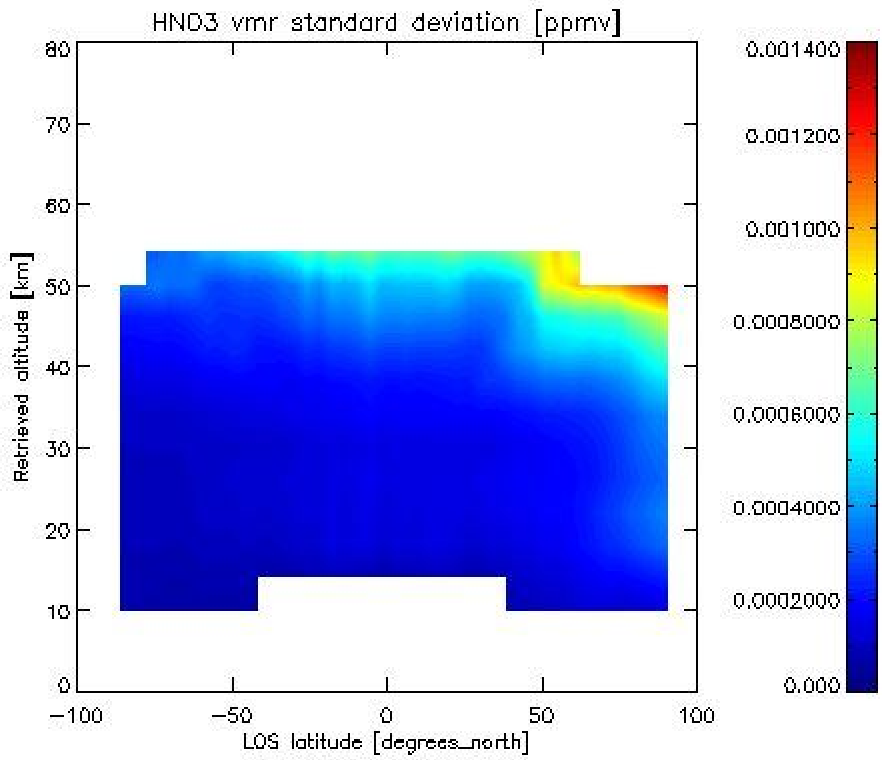


2.2.4.2 O3 overview **This section shows values (left) and error (right) for O3 after binning individual sweep values over retrieved altitude and tangent latitude.**

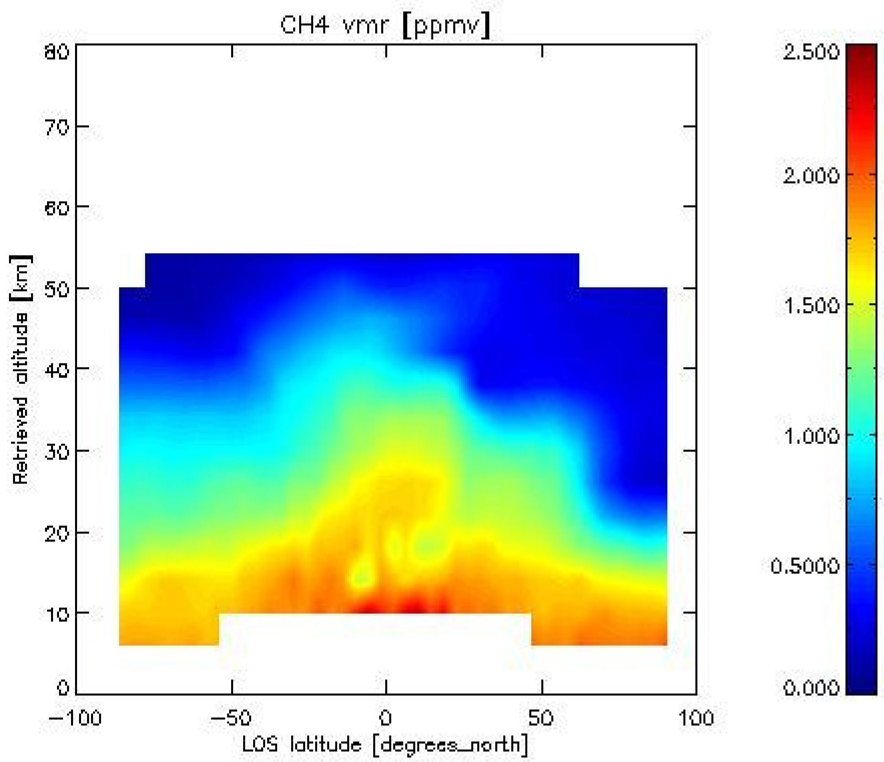


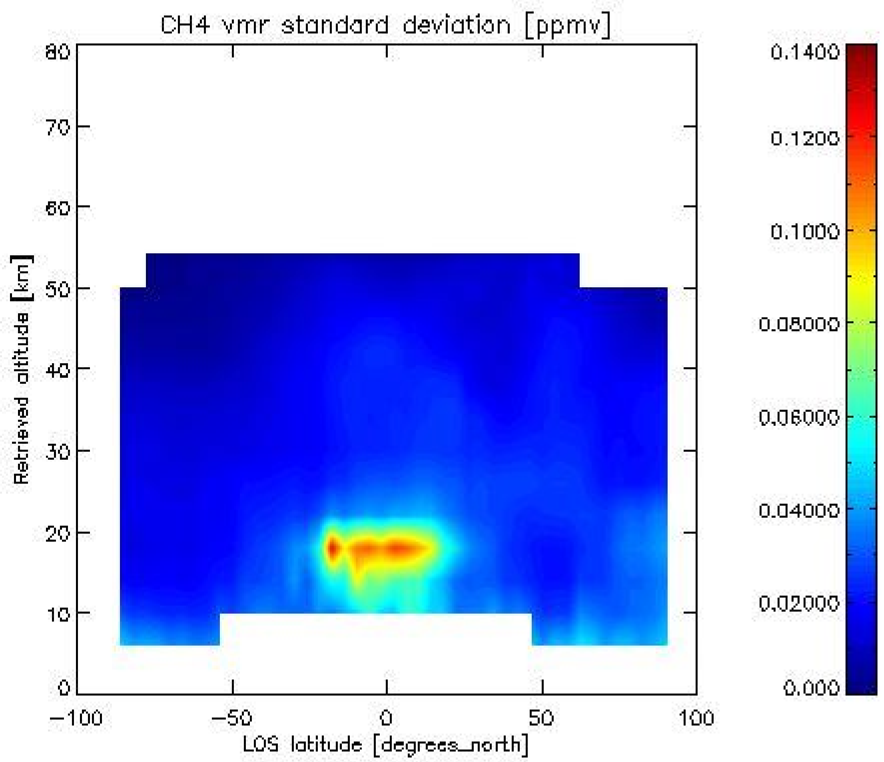
2.2.4.3 HNO3 overview **This section shows values (left) and error (right) for HNO3 after binning individual sweep values over retrieved altitude and tangent latitude.**



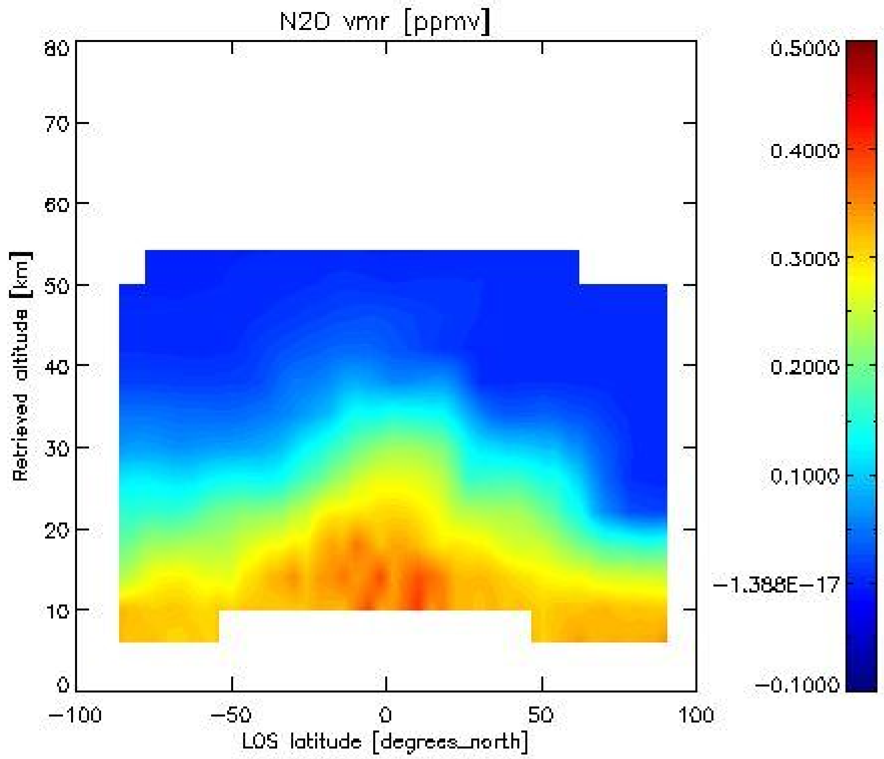


2.2.4.4 CH4 overview This section shows values (left) and error (right) for CH4 after binning individual sweep values over retrieved altitude and tangent latitude.

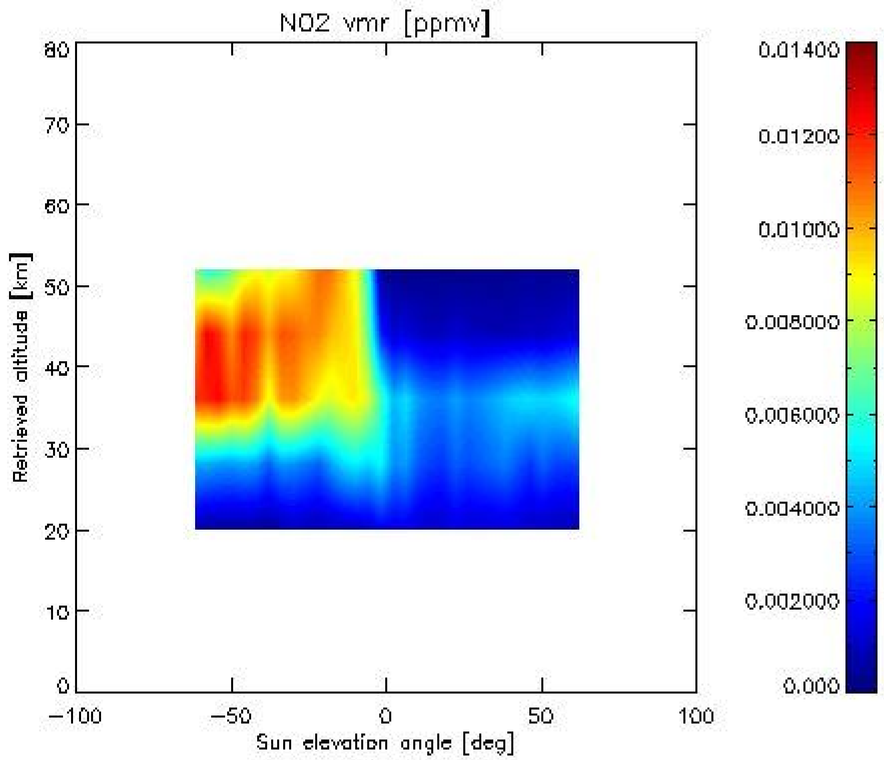




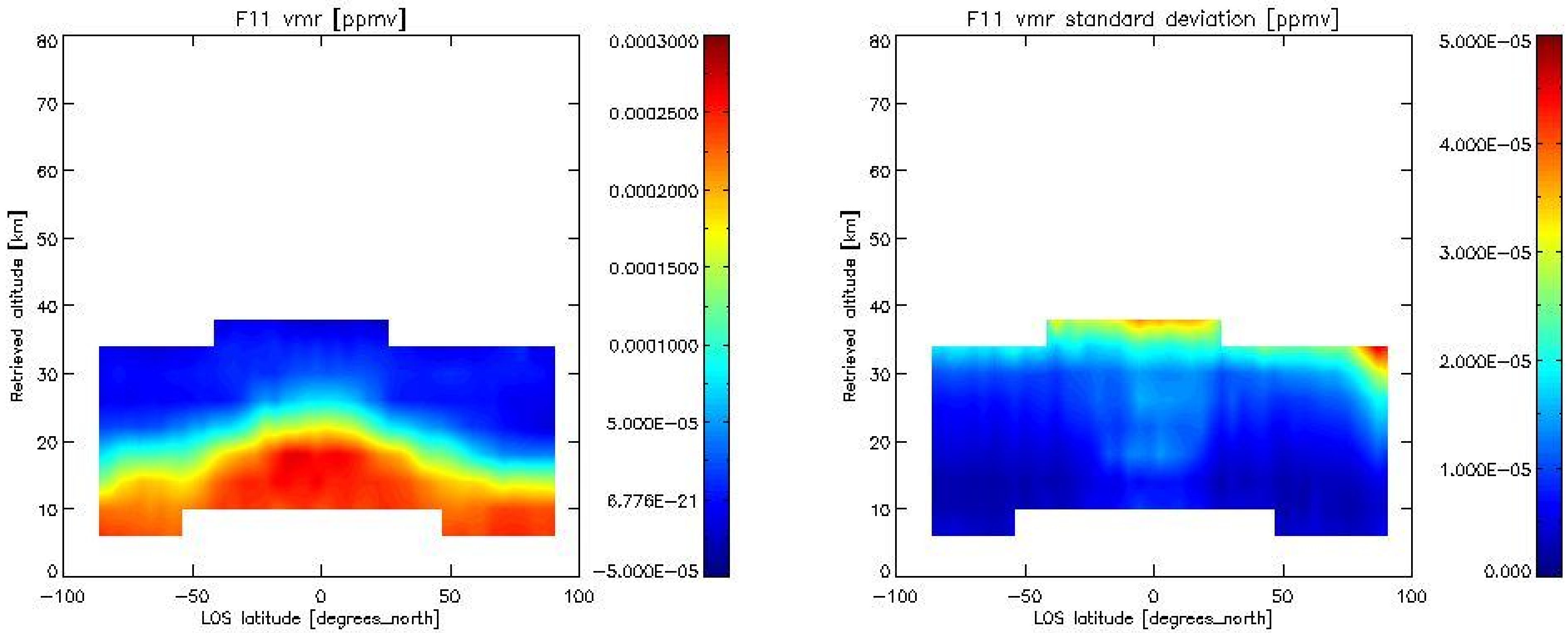
2.2.4.5 N2O overview This section shows values (left) and error (right) for N2O after binning individual sweep values over retrieved altitude and tangent latitude.



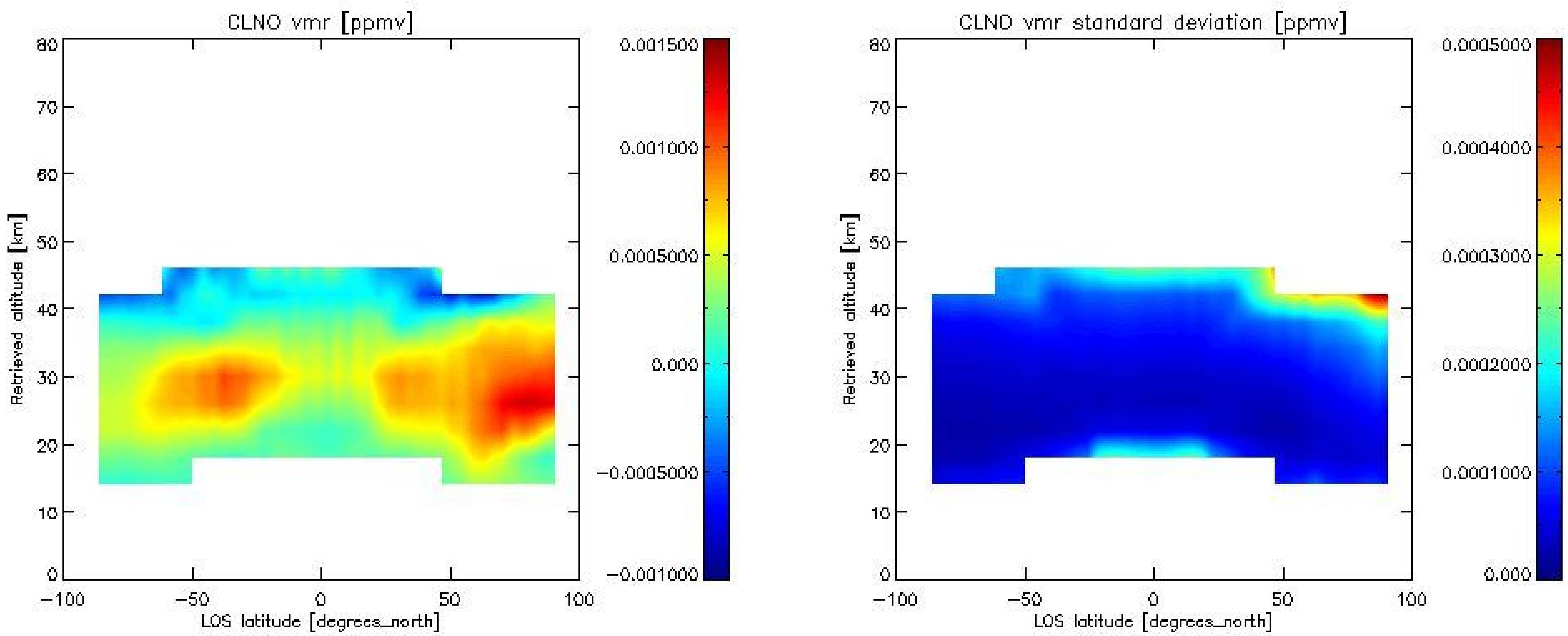
2.2.4.6 NO2 overview This section shows values (left) and error (right) for NO2 after binning individual sweep values over retrieved altitude and Sun Elevation Angle. Note that for NO2 the bin heights are 8 km.



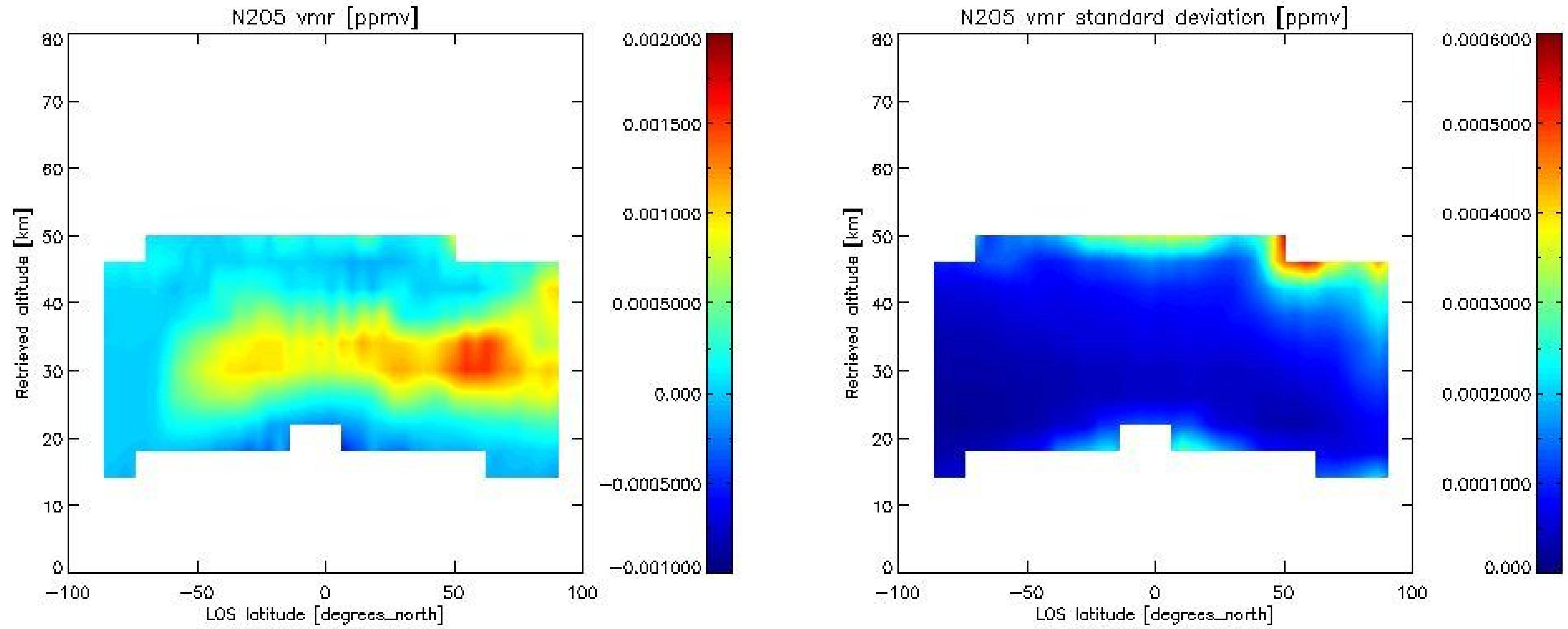
2.2.4.7 F11 overview This section shows values (left) and error (right) for F11 after binning individual sweep values over retrieved altitude and tangent latitude.



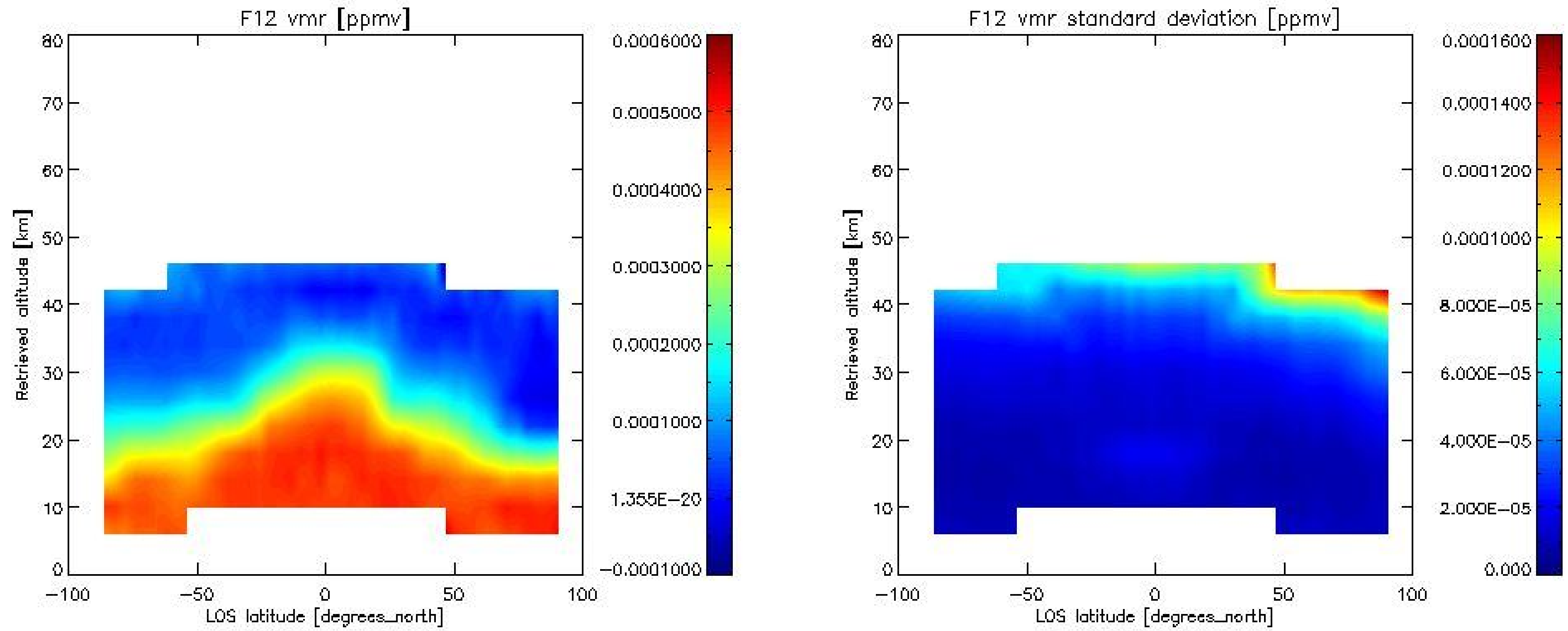
2.2.4.8 CLNO overview This section shows values (left) and error (right) for CLNO after binning individual sweep values over retrieved altitude and tangent latitude.



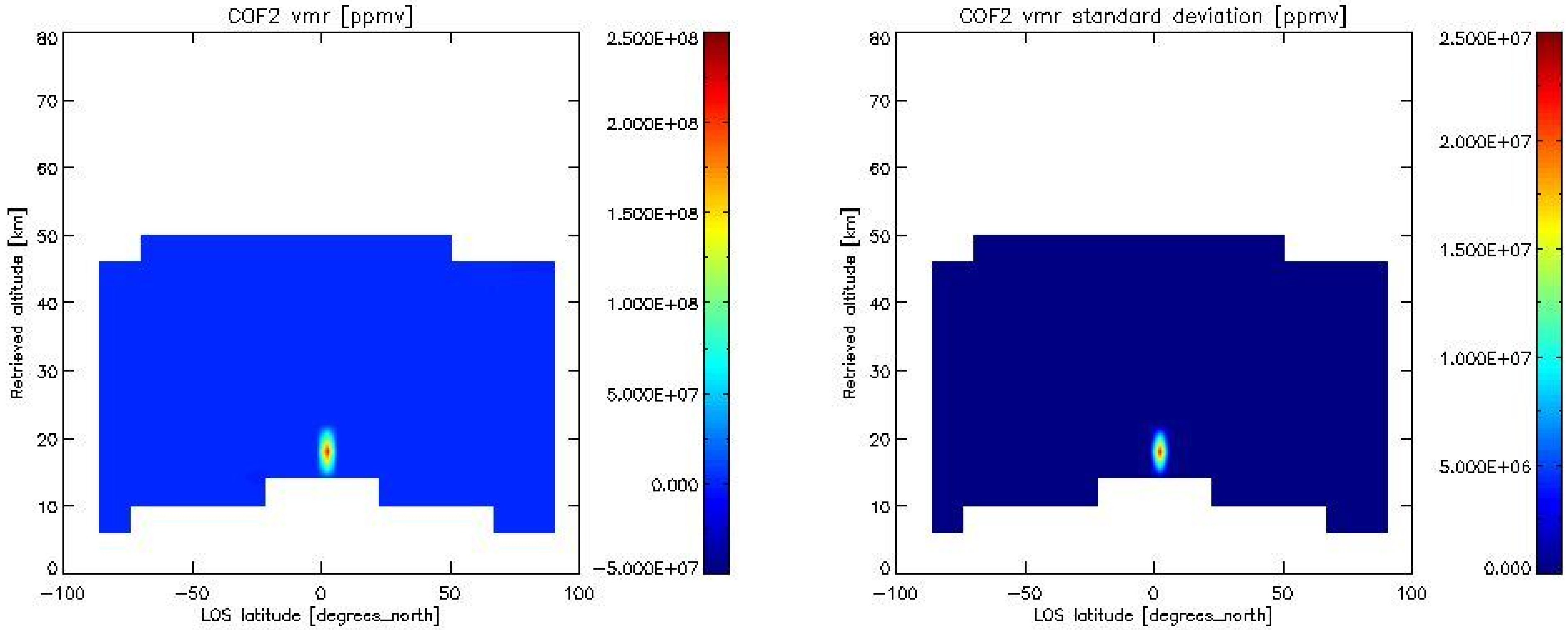
2.2.4.9 N2O5 overview This section shows values (left) and error (right) for N2O5 after binning individual sweep values over retrieved altitude and tangent latitude.



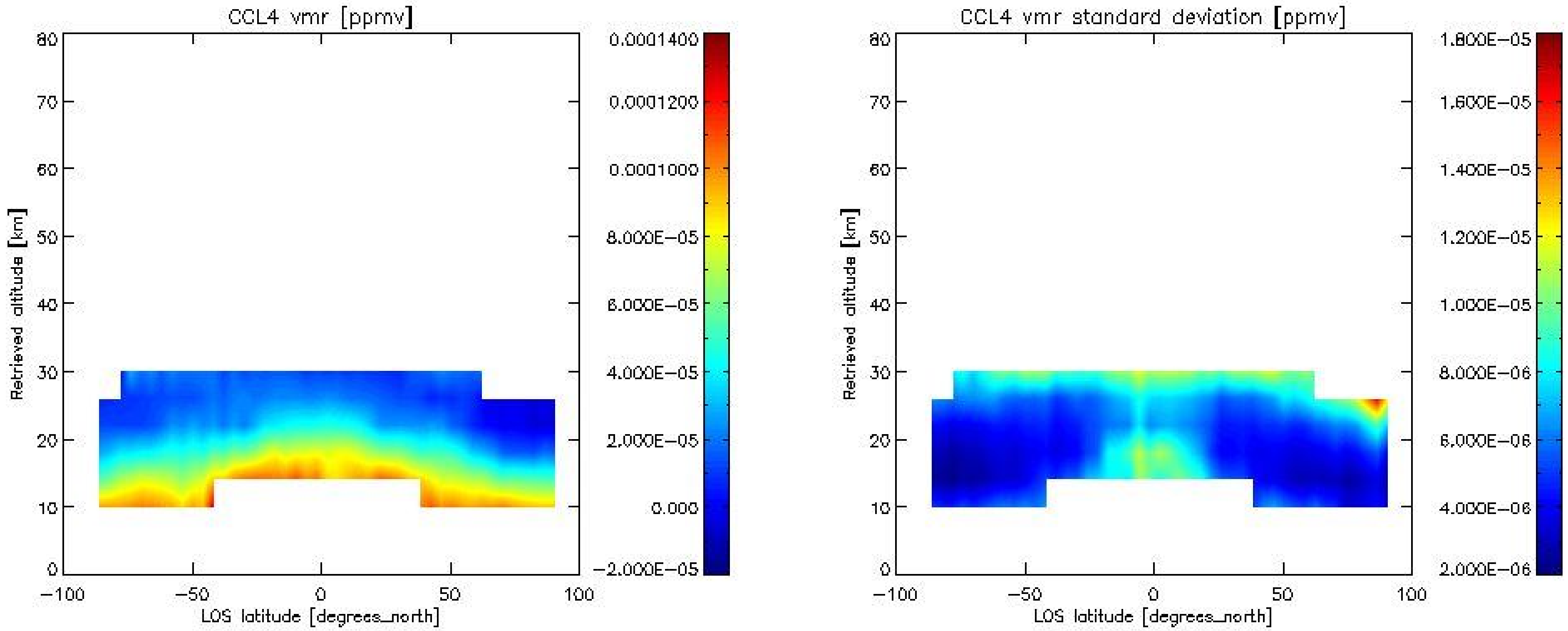
2.2.4.10 F12 overview This section shows values (left) and error (right) for F12 after binning individual sweep values over retrieved altitude and tangent latitude.



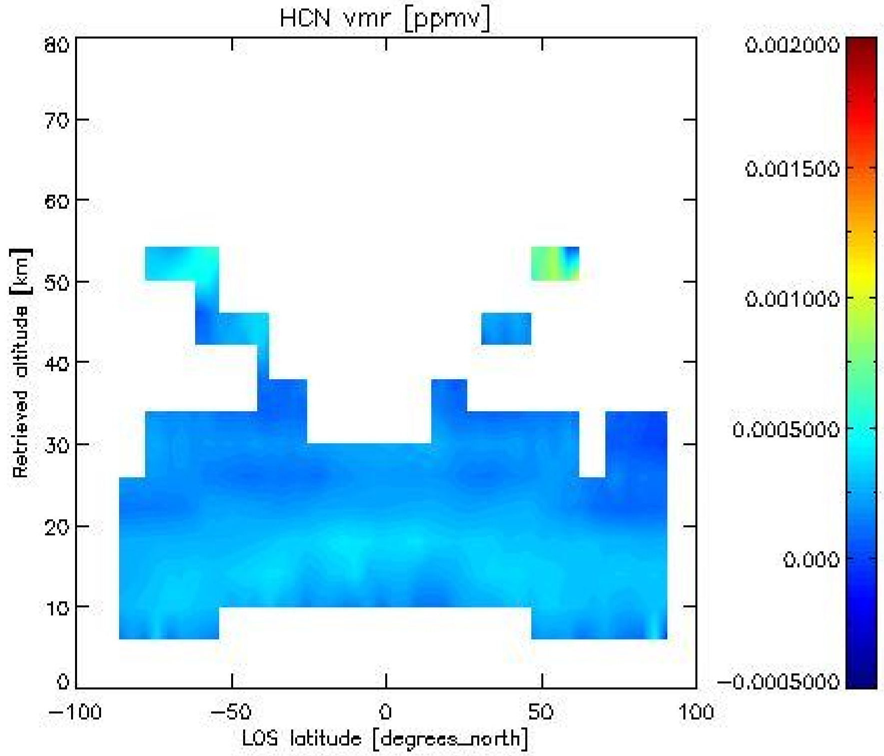
2.2.4.11 COF2 overview This section shows values (left) and error (right) for COF2 after binning individual sweep values over retrieved altitude and tangent latitude.

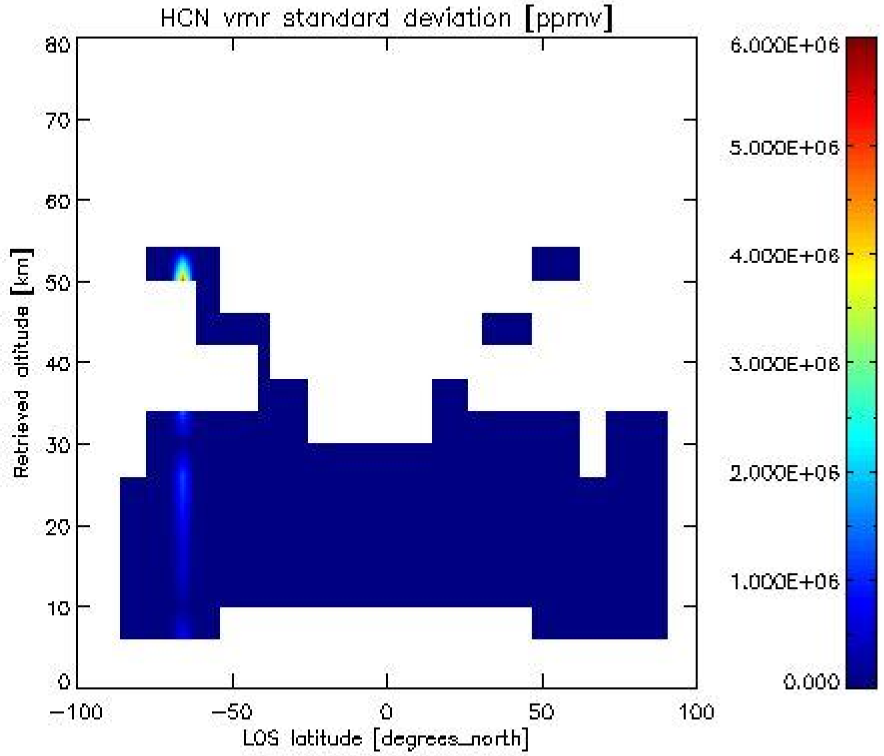


2.2.4.12 CCL4 overview This section shows values (left) and error (right) for CCL4 after binning individual sweep values over retrieved altitude and tangent latitude.

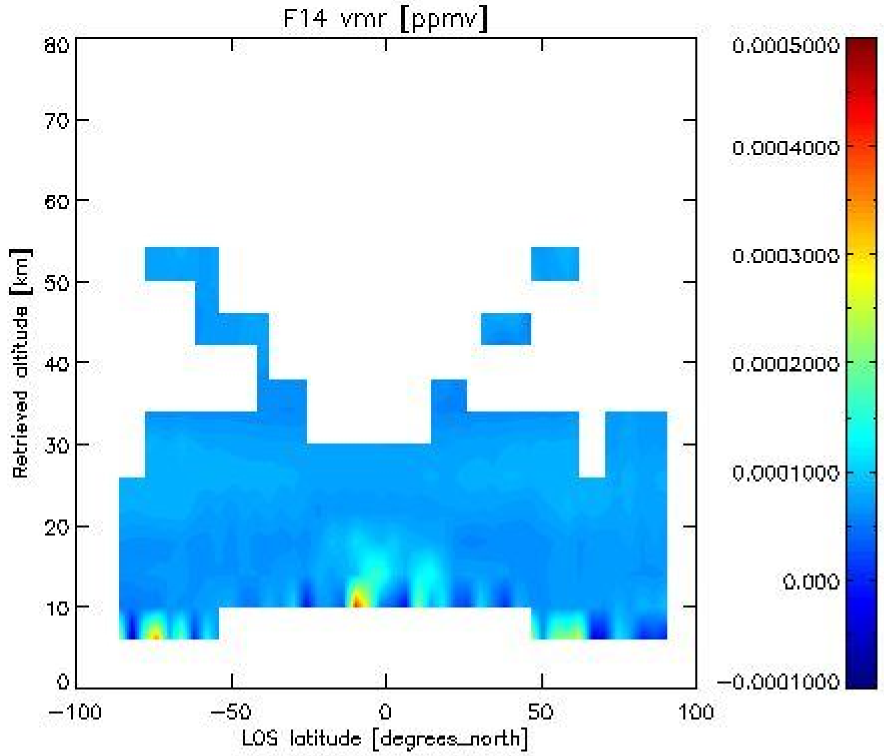


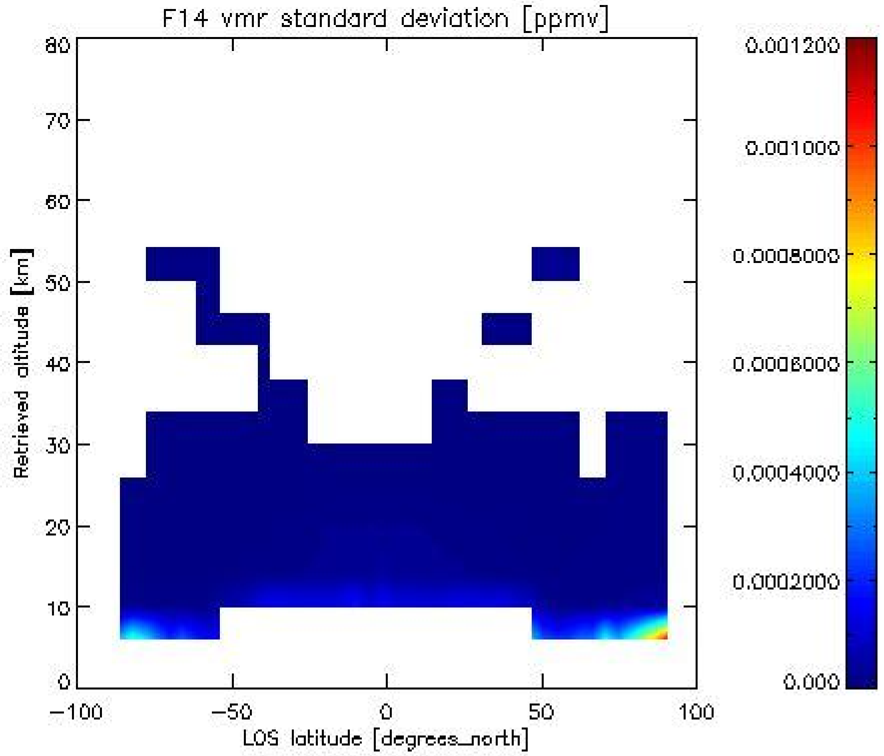
2.2.4.13 HCN overview This section shows values (left) and error (right) for HCN after binning individual sweep values over retrieved altitude and tangent latitude.



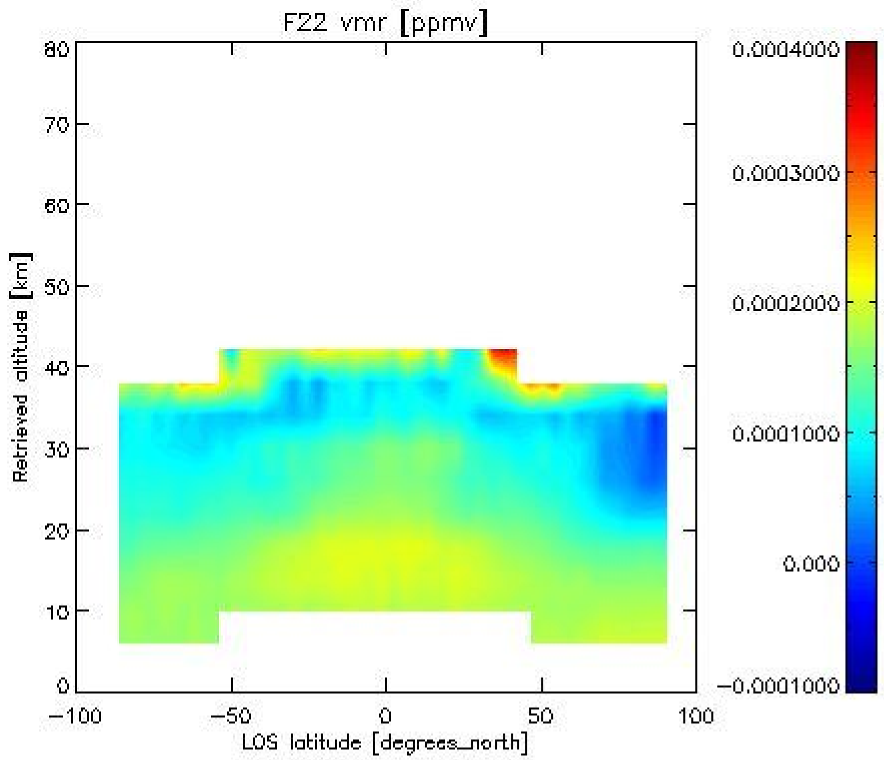


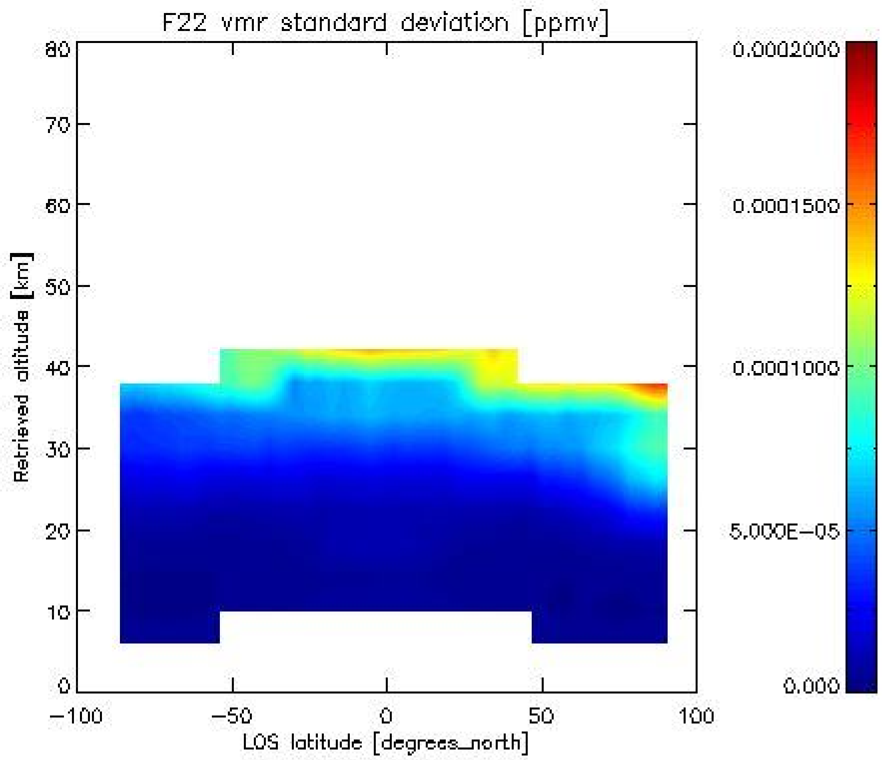
2.2.4.14 F14 overview This section shows values (left) and error (right) for F14 after binning individual sweep values over retrieved altitude and tangent latitude.





2.2.4.15 F22 overview This section shows values (left) and error (right) for F22 after binning individual sweep values over retrieved altitude and tangent latitude.





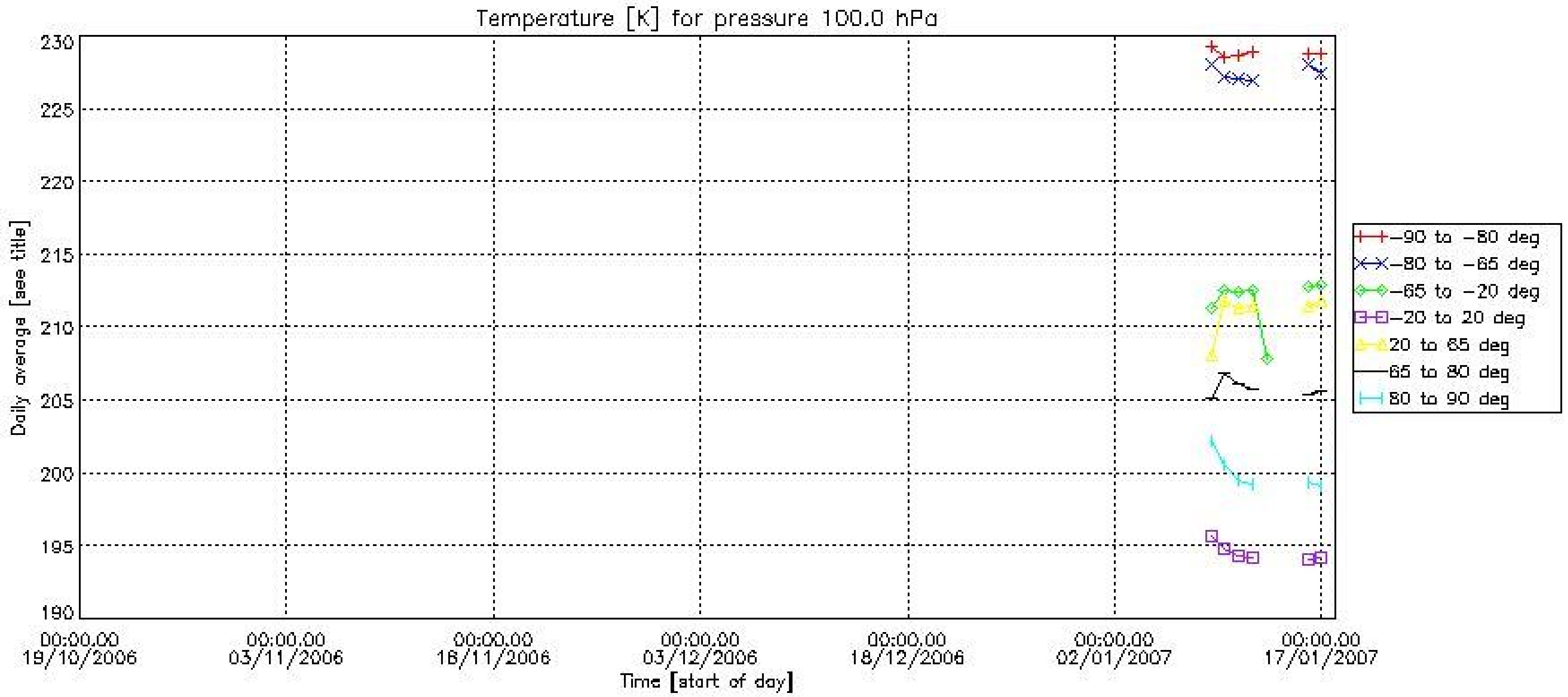
2.2.5 History of daily averages

The folllowing section lists zonal daily averages from the near past of species at different pressure levels.The value of a species for a pressure level is calculated by linear interpolation of the logarithm of the 2 consecutive sweep values with a pressure below and above the pressure level. For NO2, averages are given both for day side (positive sun elevation angles) and night side (negative sun elevation angles).

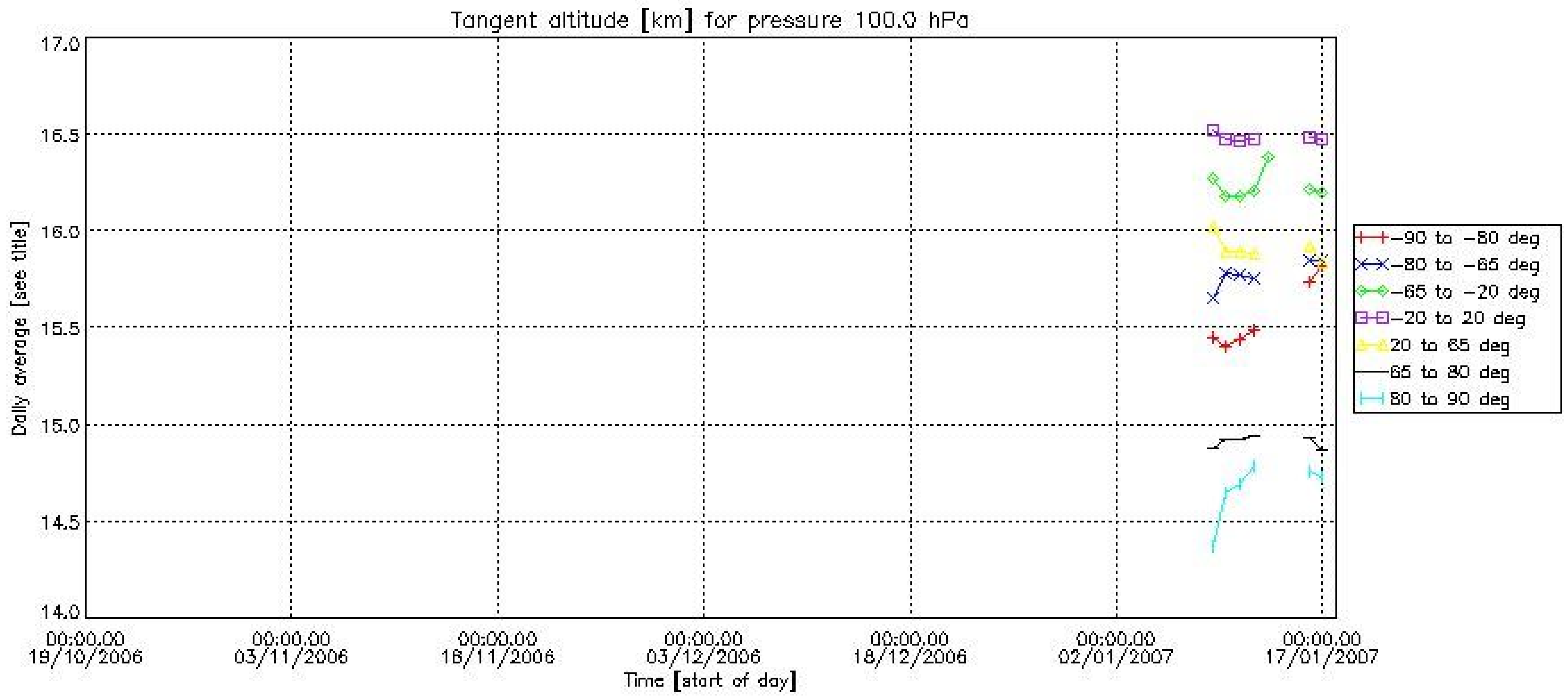
Plots are shown for the following pressures: 100.0 hPa, 10.0 hPa, 1.0 hPa, 0.1 hPa.

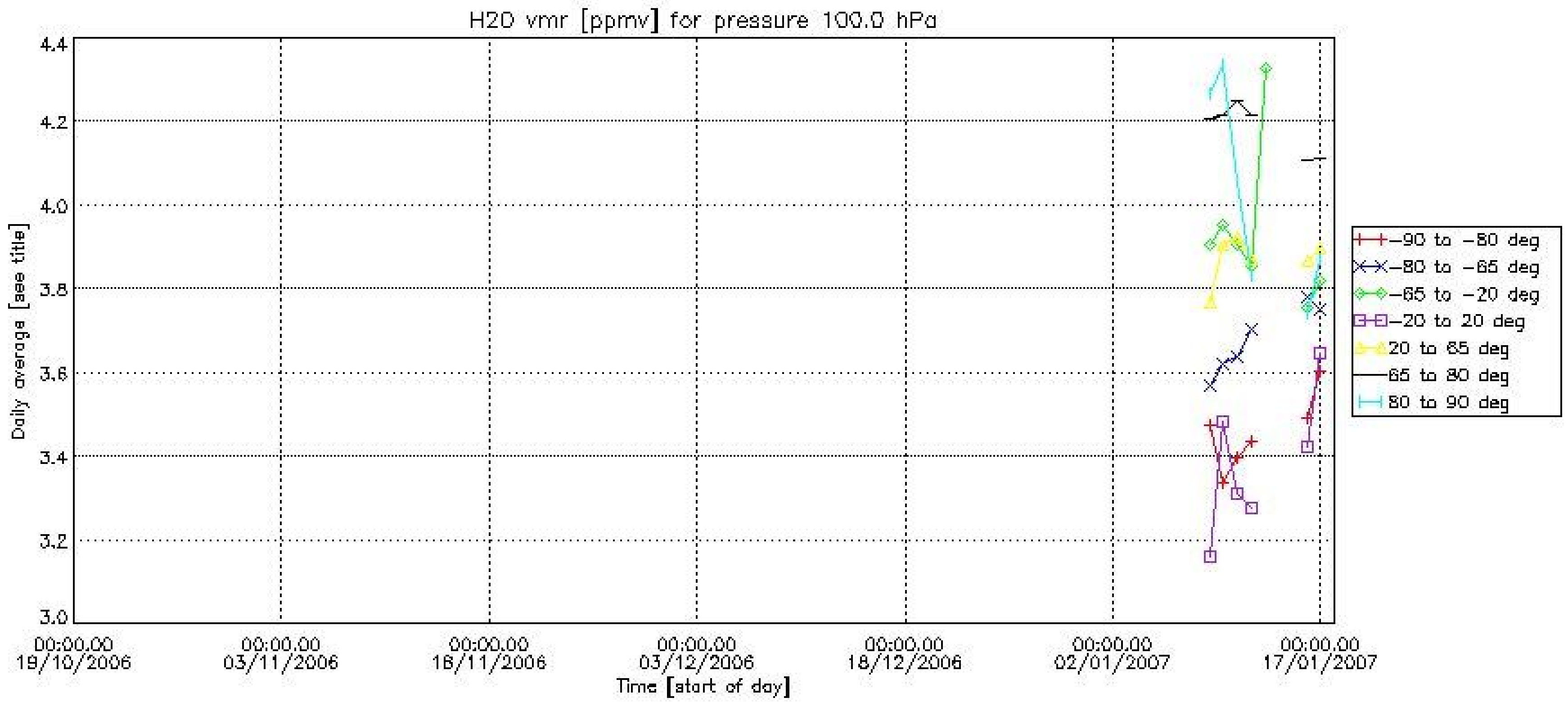
2.2.5.1 Daily average at 100.0 hPa

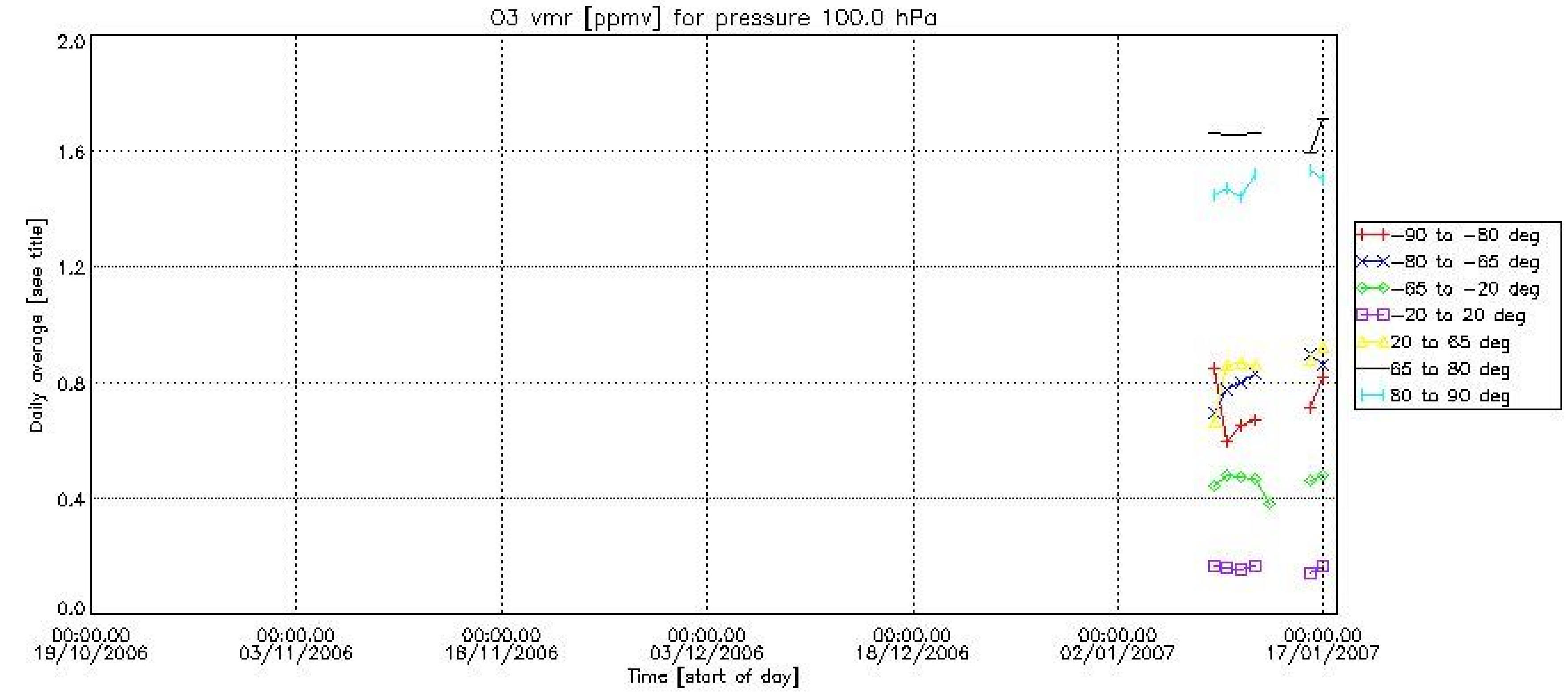
Note: In the following plot, values for Temperature outside the range of 160.000 to 320.000 K have been excluded in the averages.



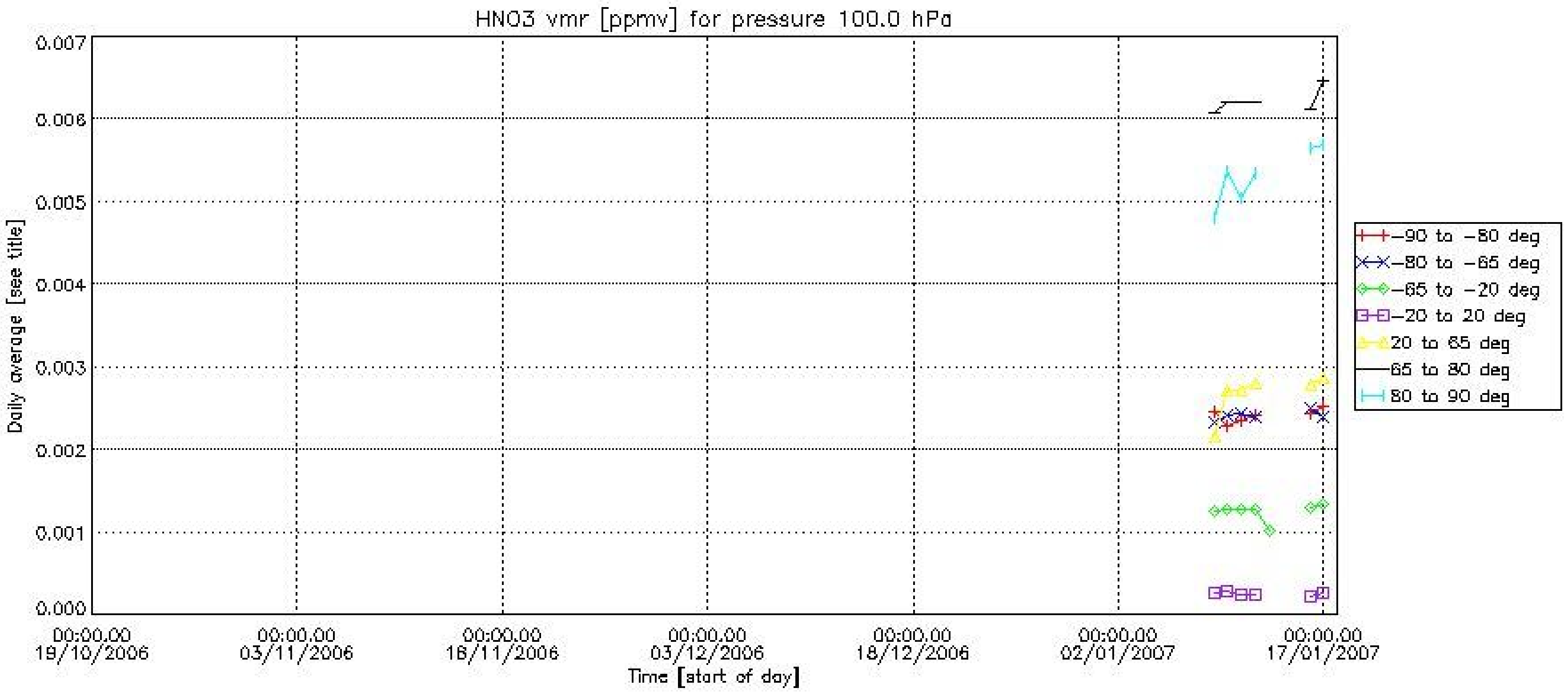
Note: In the following plot, values for Tangent altitude outside the range of 5.000 to 25.000 km have been excluded in the averages.


Tangent altitude [km] for pressure 100.0 hPa
17.0
16.5
16.0
15.5
15.0
14.5
14.0
Daily average [see title]
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
Time [start of day]
-90 to -80 deg
-80 to -65 deg
-65 to -20 deg
-20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg

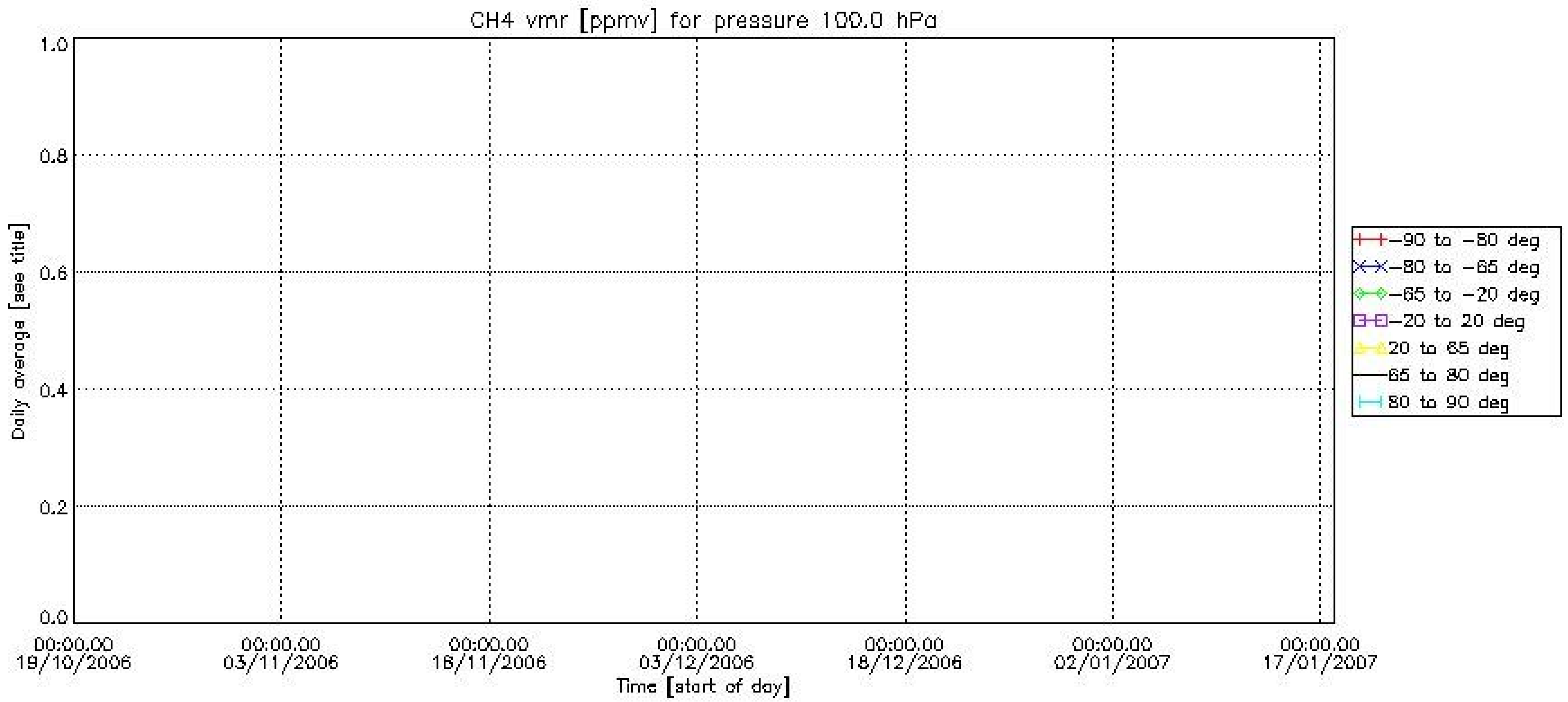

H2O vmr [ppmv] for pressure 100.0 hPa
4.4
4.2
4.0
3.8
3.6
3.4
3.2
3.0
Daily average [see title]
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
Time [start of day]
-90 to -80 deg
-80 to -65 deg
-65 to -20 deg
-20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg

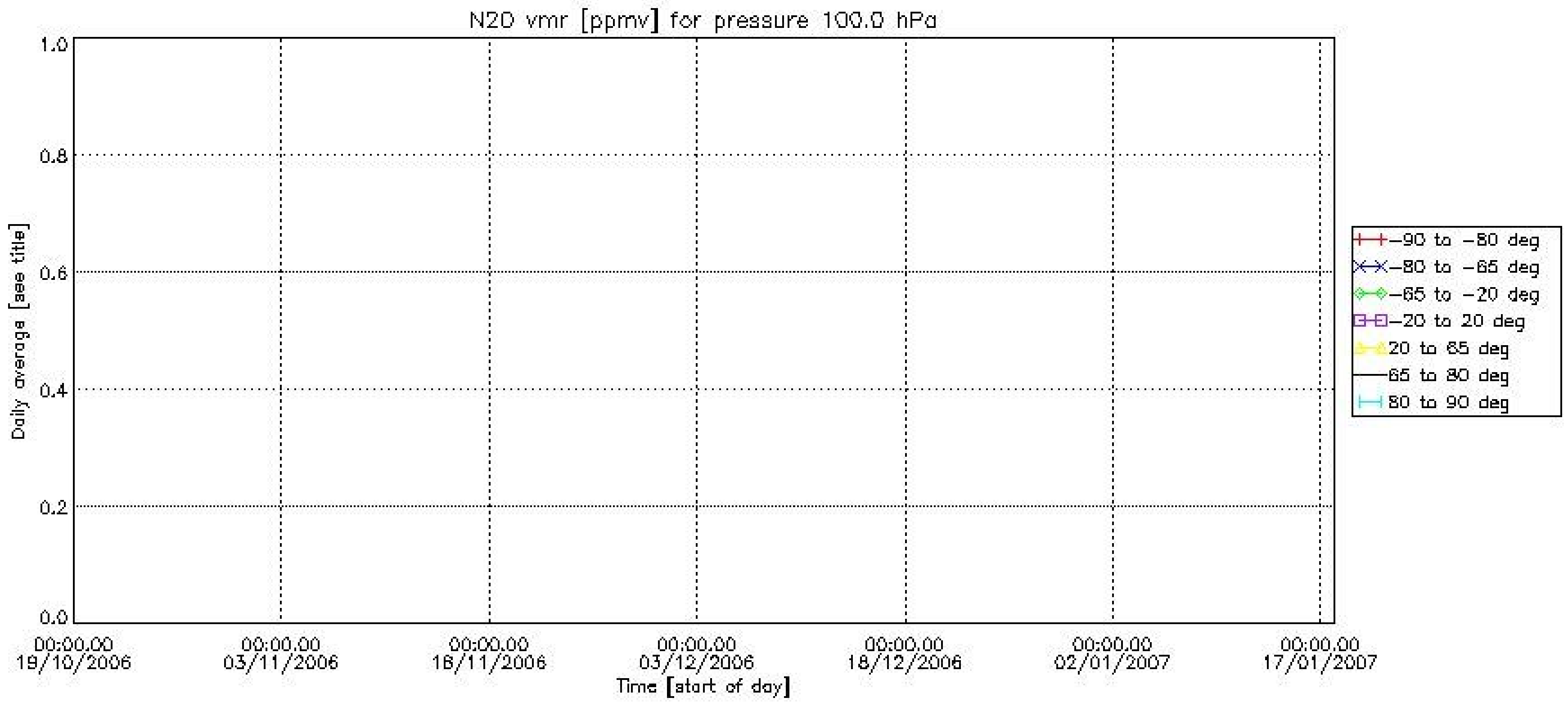


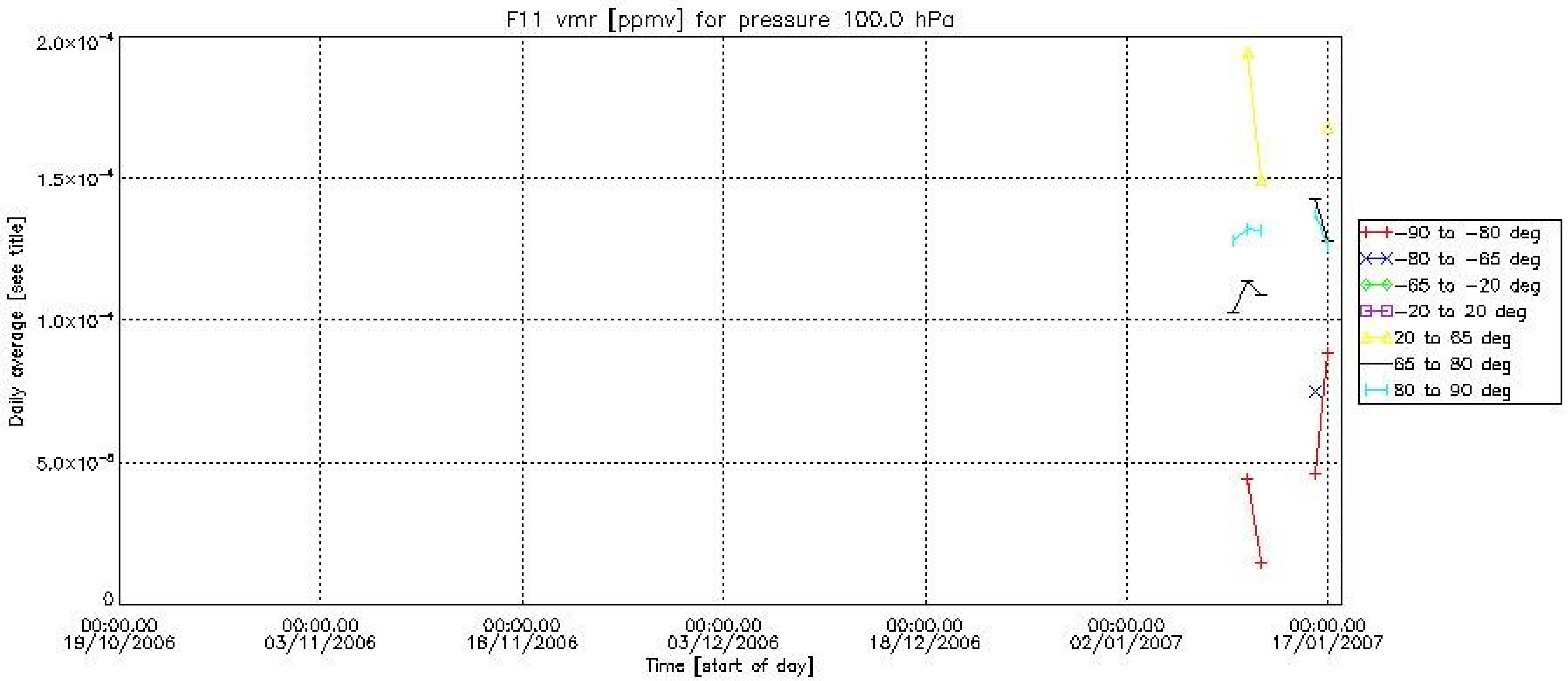
Note: In the following plot, values for HNO3 outside the range of 0.000 to 1.000 ppmv have been excluded in the averages.

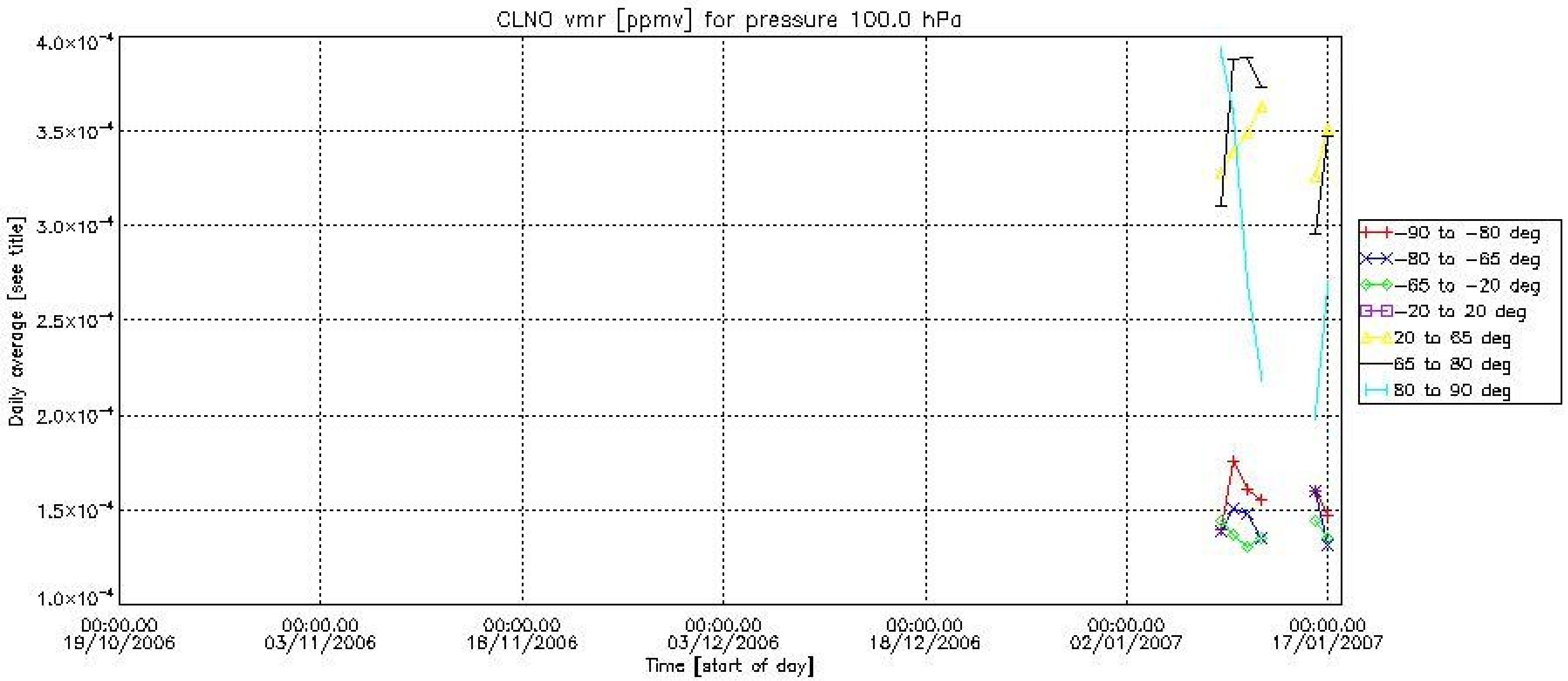


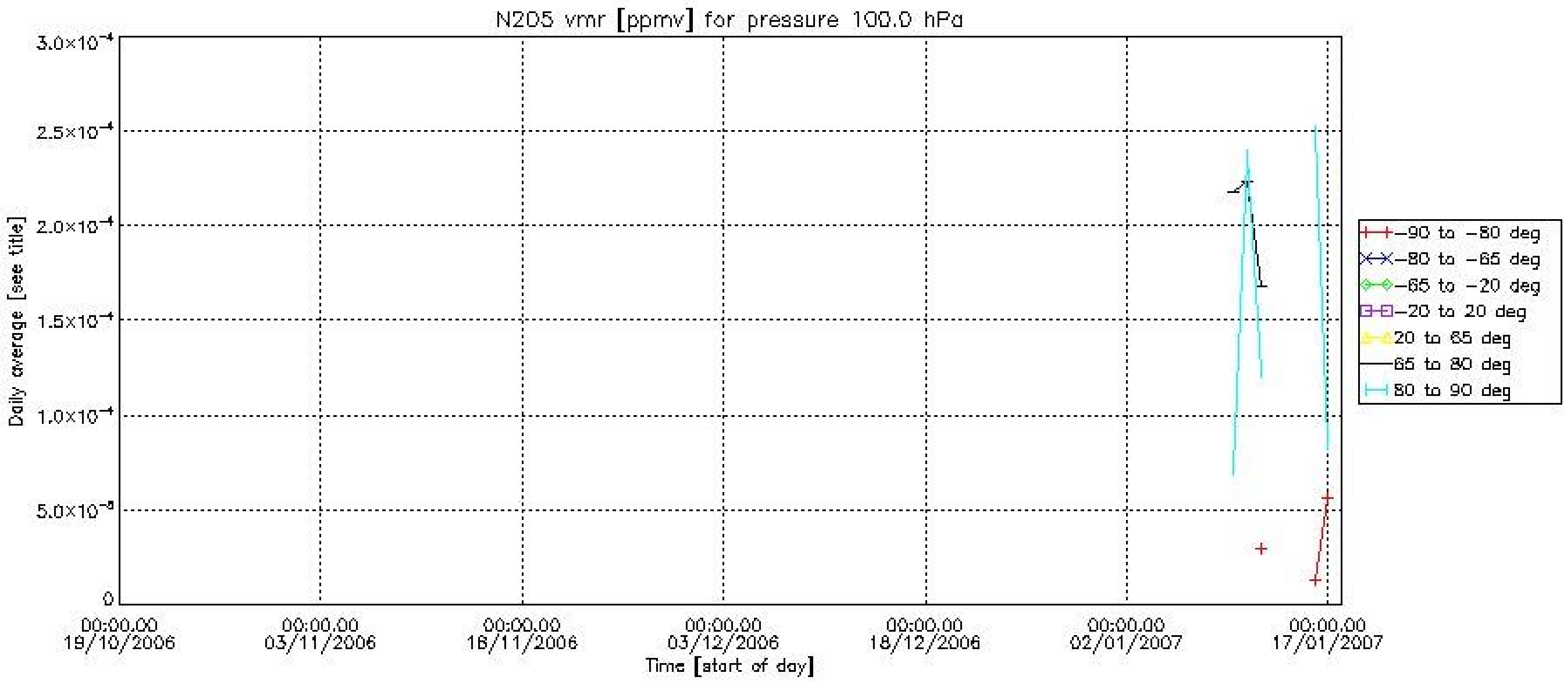
Note: In the following plot, values for CH4 outside the range of 0.000 to 5.000 ppmv have been excluded in the averages.

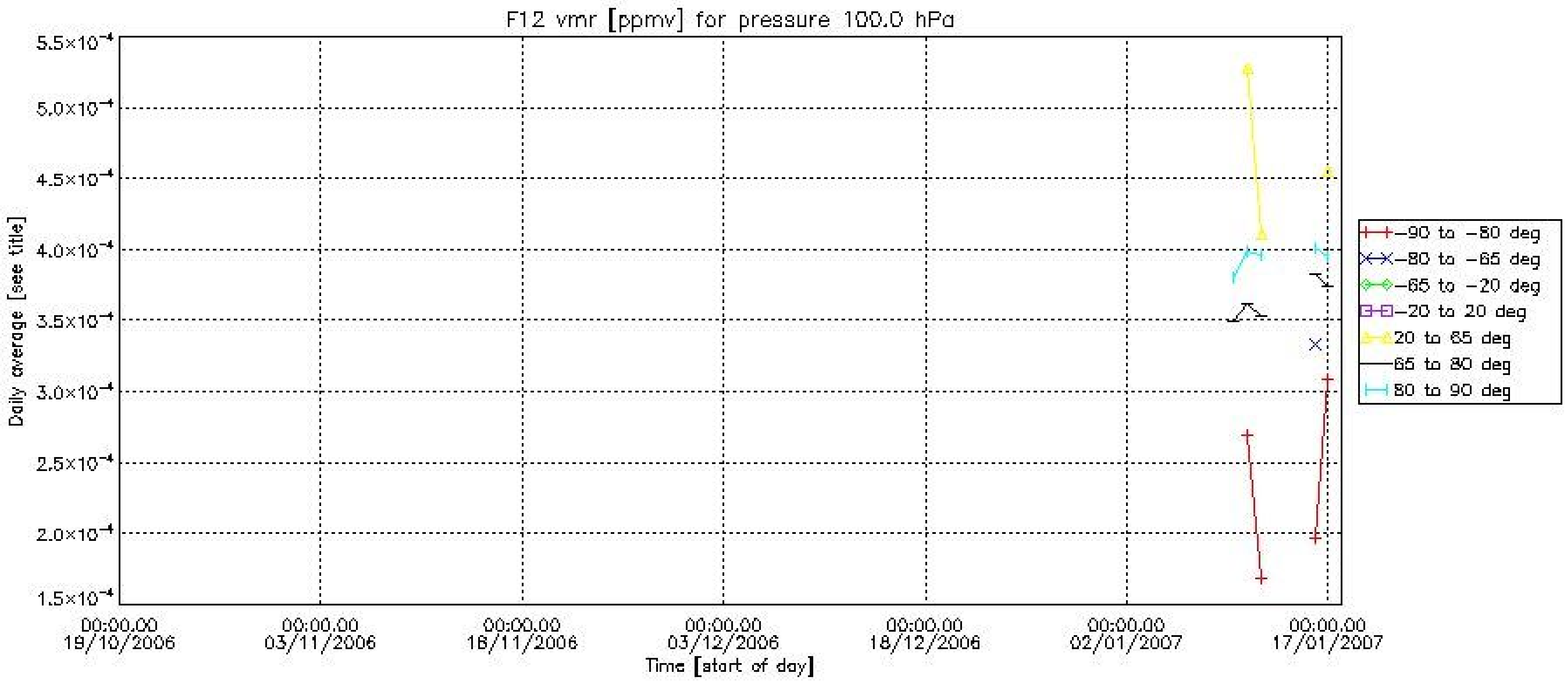

CH4 vmr [ppmv] for pressure 100.0 hPa
Daily average [see title]
Time [start of day]
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
-90 to -80 deg
-80 to -65 deg
-65 to -20 deg
-20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg

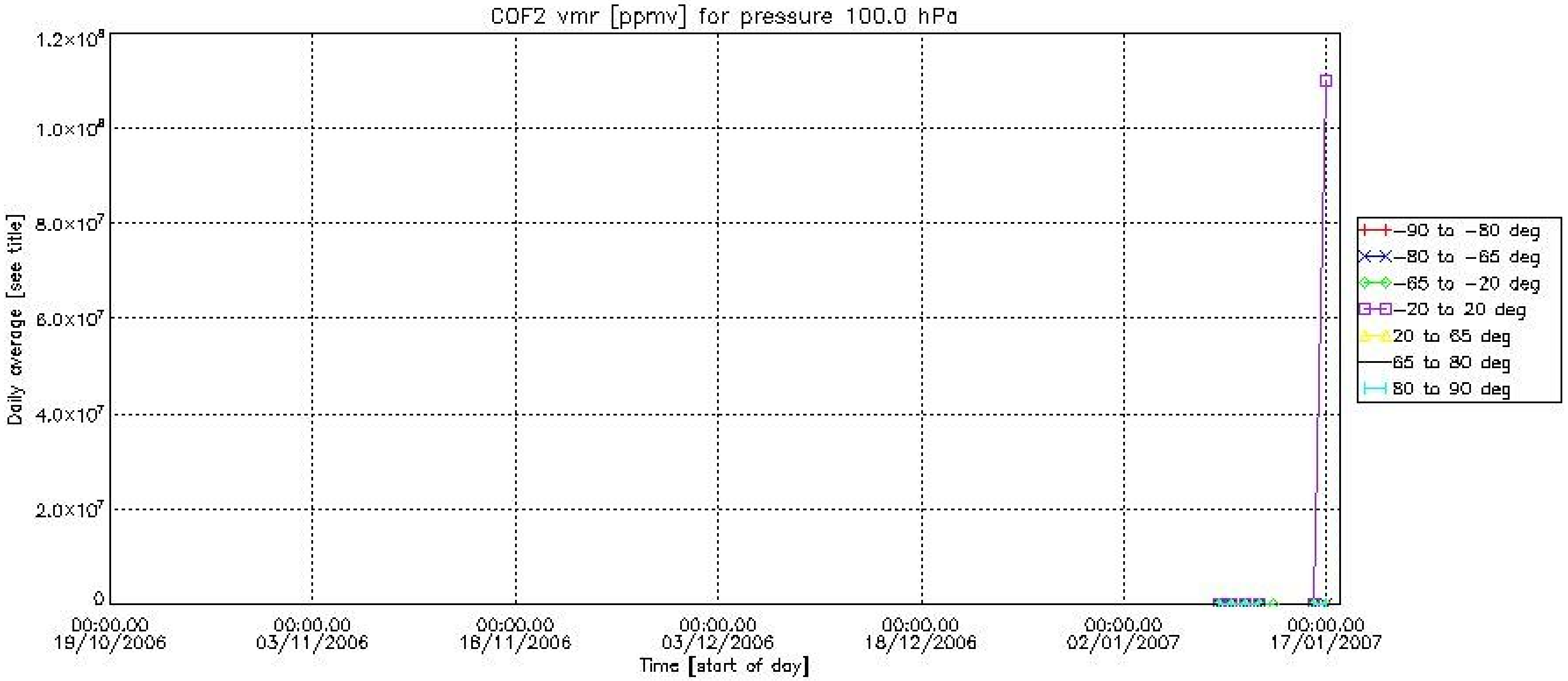

N2O vmr [ppmv] for pressure 100.0 hPa
Daily average [see title]
Time [start of day]
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
-90 to -80 deg
-80 to -65 deg
-65 to -20 deg
-20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg

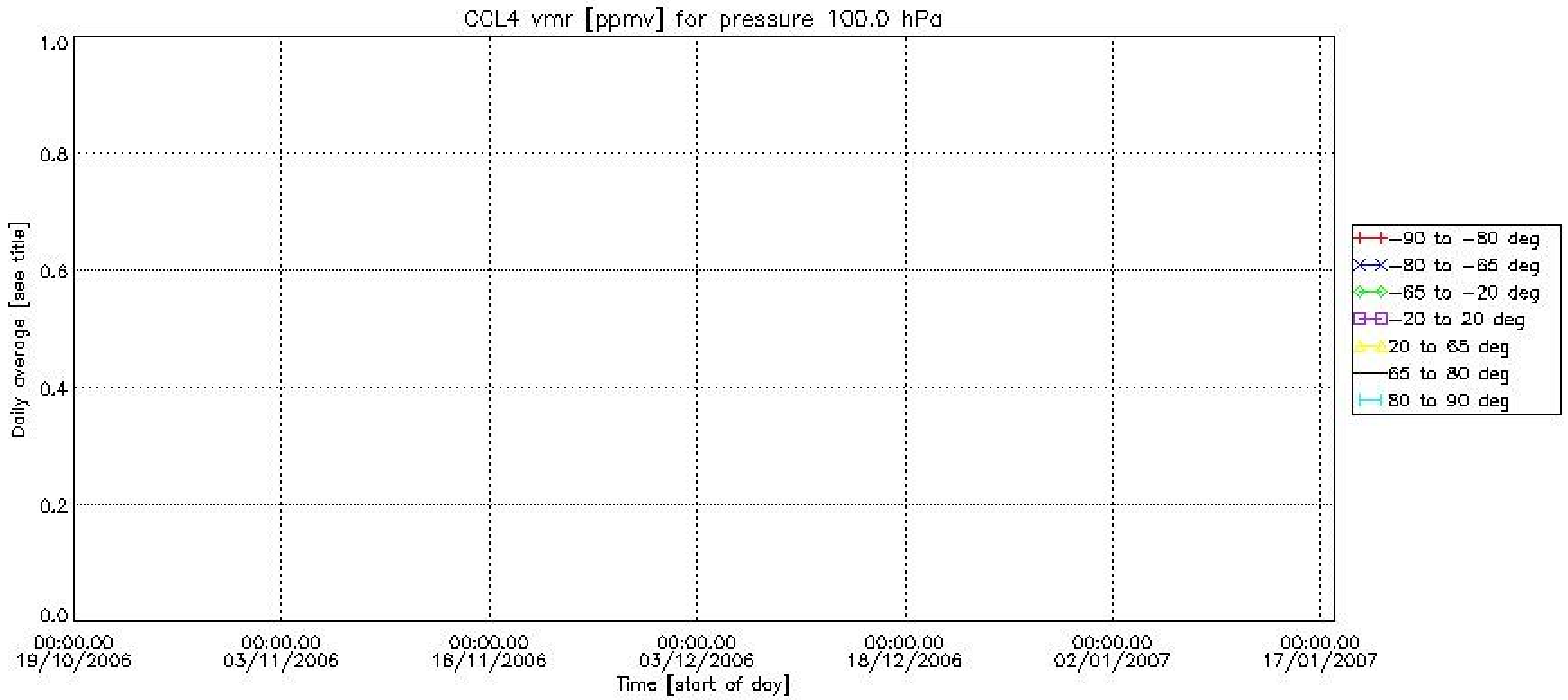

F11 vmr [ppmv] for pressure 100.0 hPa
Daily average [see title]
Time [start of day]
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
-90 to -80 deg
-80 to -65 deg
-65 to -20 deg
-20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg

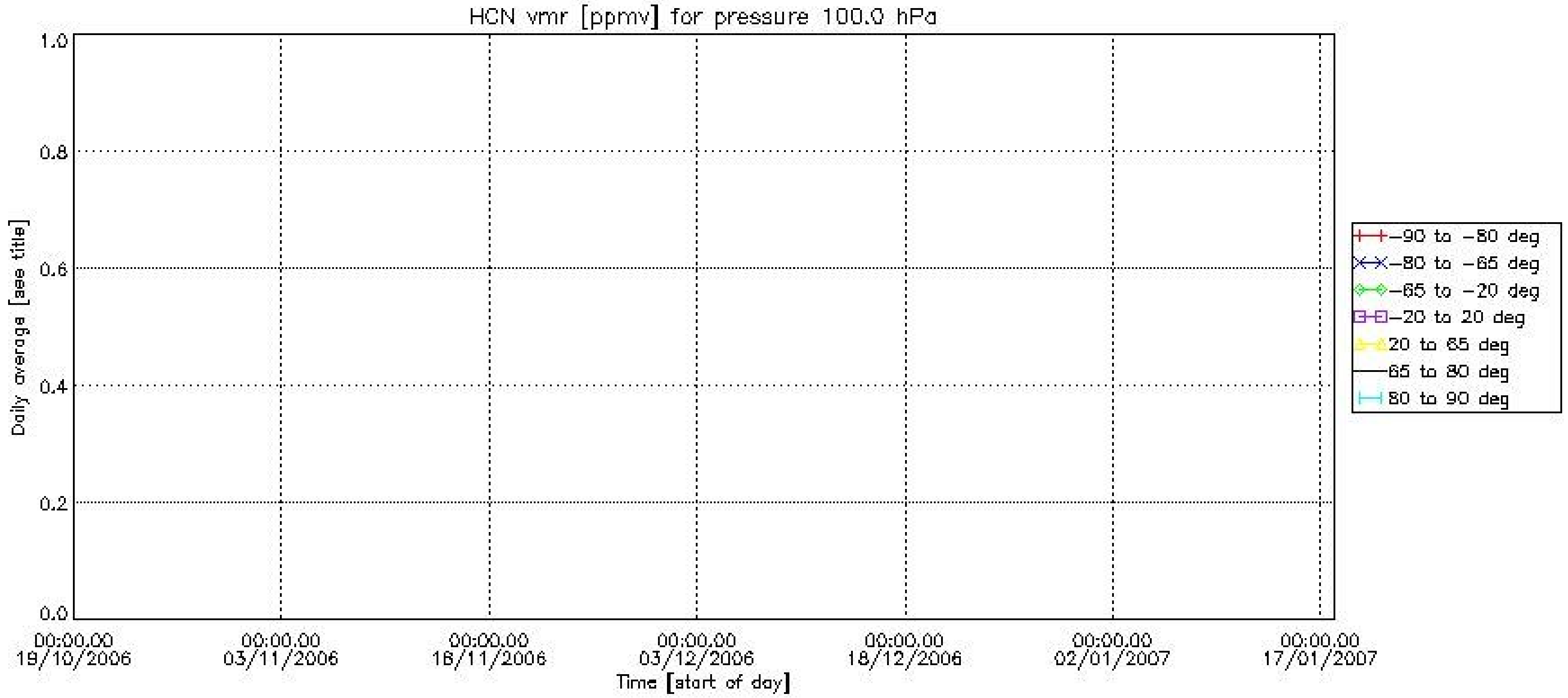

CLNO vmr [ppmv] for pressure 100.0 hPa
Daily average [see title]
Time [start of day]
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
-90 to -80 deg
-80 to -65 deg
-65 to -20 deg
-20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg

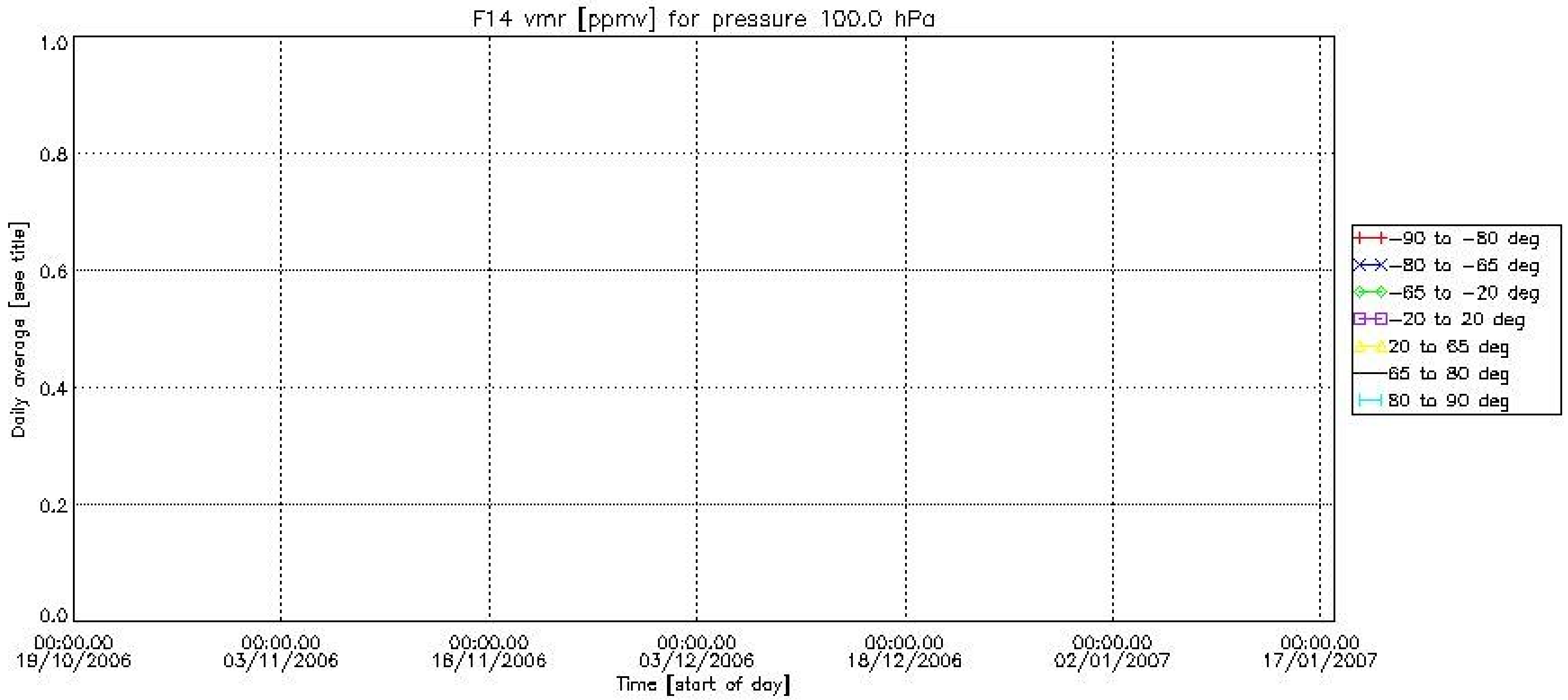

N2O5 vmr [ppmv] for pressure 100.0 hPa
Daily average [see title]
3.0×10⁻⁴
2.5×10⁻⁴
2.0×10⁻⁴
1.5×10⁻⁴
1.0×10⁻⁴
5.0×10⁻⁵
0
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
Time [start of day]
-90 to -80 deg
-80 to -65 deg
-65 to -20 deg
-20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg

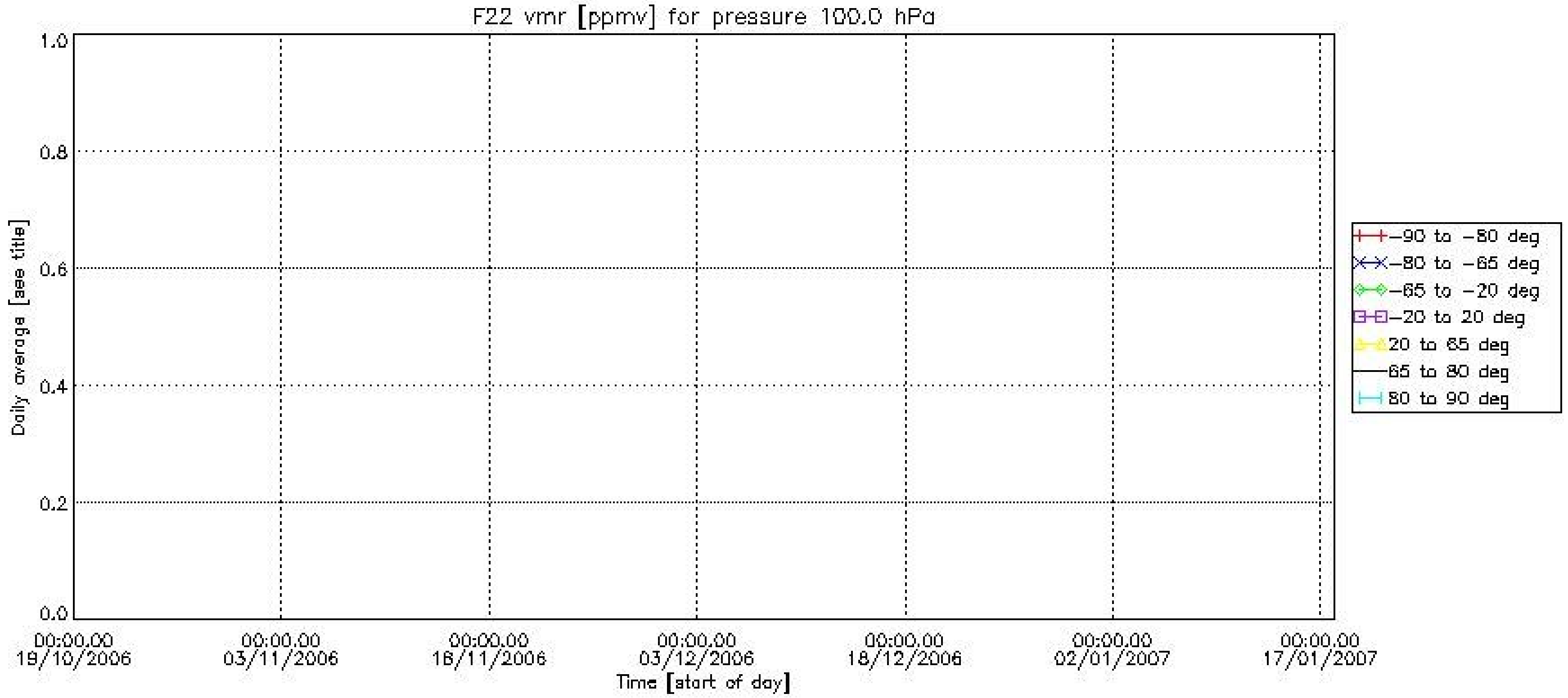

F12 vmr [ppmv] for pressure 100.0 hPa
Daily average [see title]
5.5×10⁻⁴
5.0×10⁻⁴
4.5×10⁻⁴
4.0×10⁻⁴
3.5×10⁻⁴
3.0×10⁻⁴
2.5×10⁻⁴
2.0×10⁻⁴
1.5×10⁻⁴
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
Time [start of day]
-90 to -80 deg
-80 to -65 deg
-65 to -20 deg
-20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg


COF2 vmr [ppmv] for pressure 100.0 hPa
Daily average [see title]
1.2×10⁸
1.0×10⁸
8.0×10⁷
6.0×10⁷
4.0×10⁷
2.0×10⁷
0
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
Time [start of day]
-90 to -80 deg
-80 to -65 deg
-65 to -20 deg
-20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg


CCL4 vmr [ppmv] for pressure 100.0 hPa
Daily average [see title]
1.0
0.8
0.6
0.4
0.2
0.0
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
Time [start of day]
-90 to -80 deg
-80 to -65 deg
-65 to -20 deg
-20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg

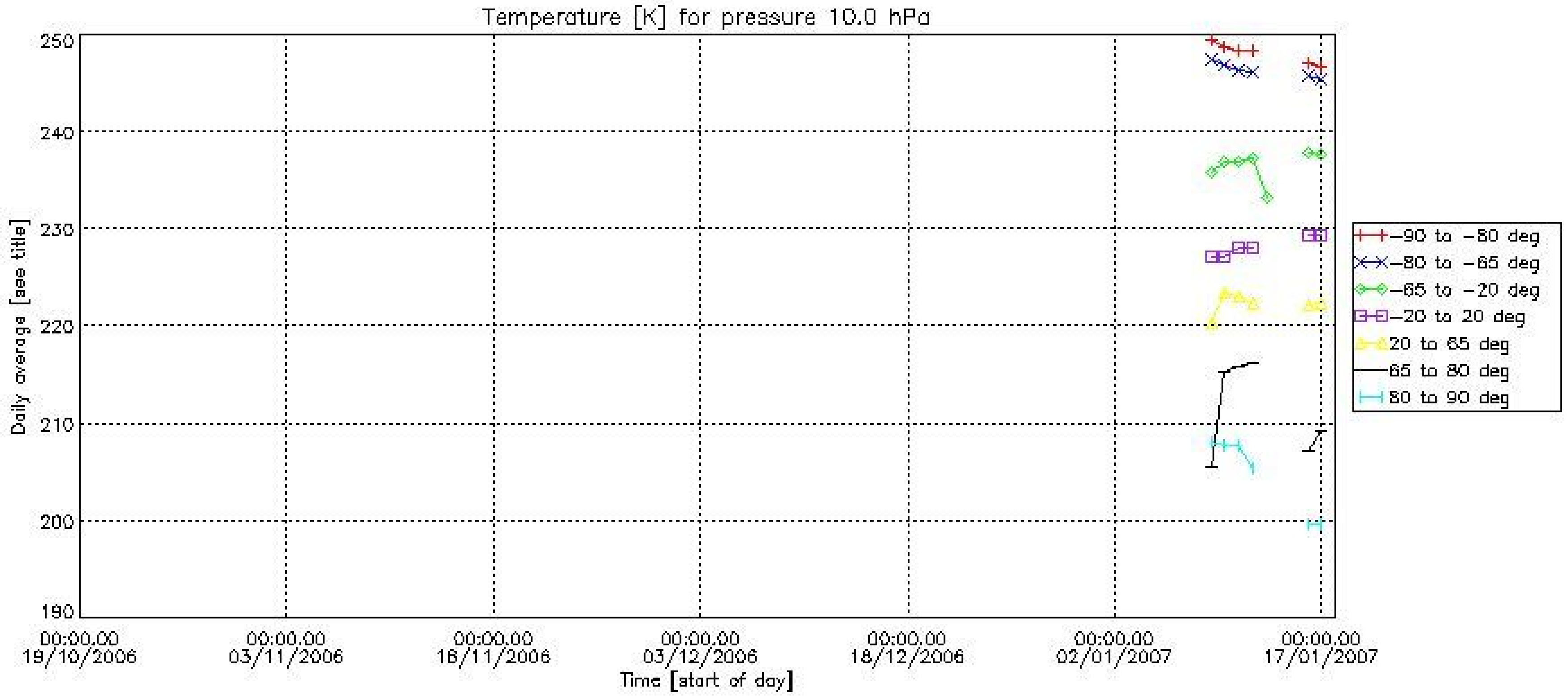

HCN vmr [ppmv] for pressure 100.0 hPa
Daily average [see title]
1.0
0.8
0.6
0.4
0.2
0.0
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
Time [start of day]
-90 to -80 deg
-80 to -65 deg
-65 to -20 deg
-20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg


F14 vmr [ppmv] for pressure 100.0 hPa
Daily average [see title]
1.0
0.8
0.6
0.4
0.2
0.0
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
Time [start of day]
-90 to -80 deg
-80 to -65 deg
-65 to -20 deg
-20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg

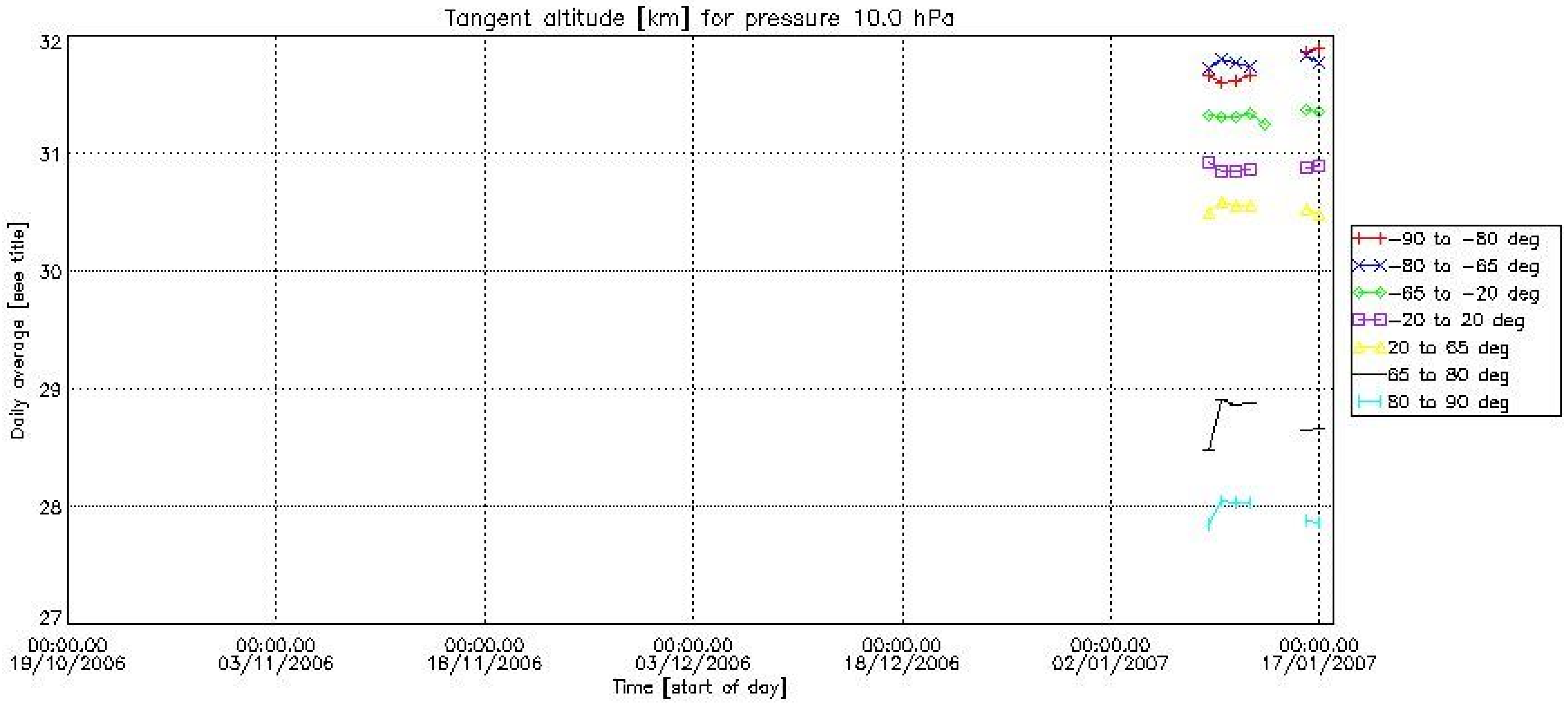


2.2.5.2 Daily average at 10.0 hPa

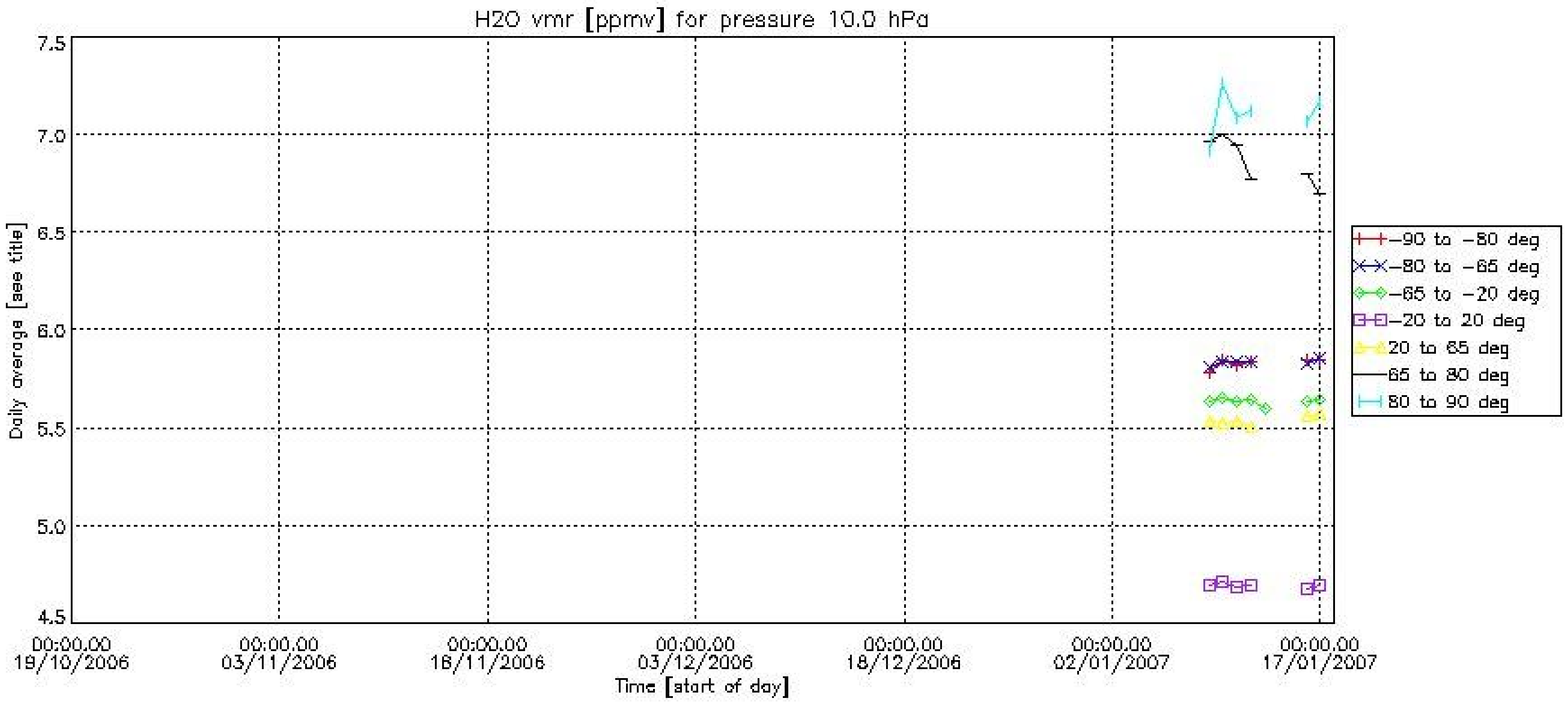
Note: In the following plot, values for Temperature outside the range of 160.000 to 320.000 K have been excluded in the averages.



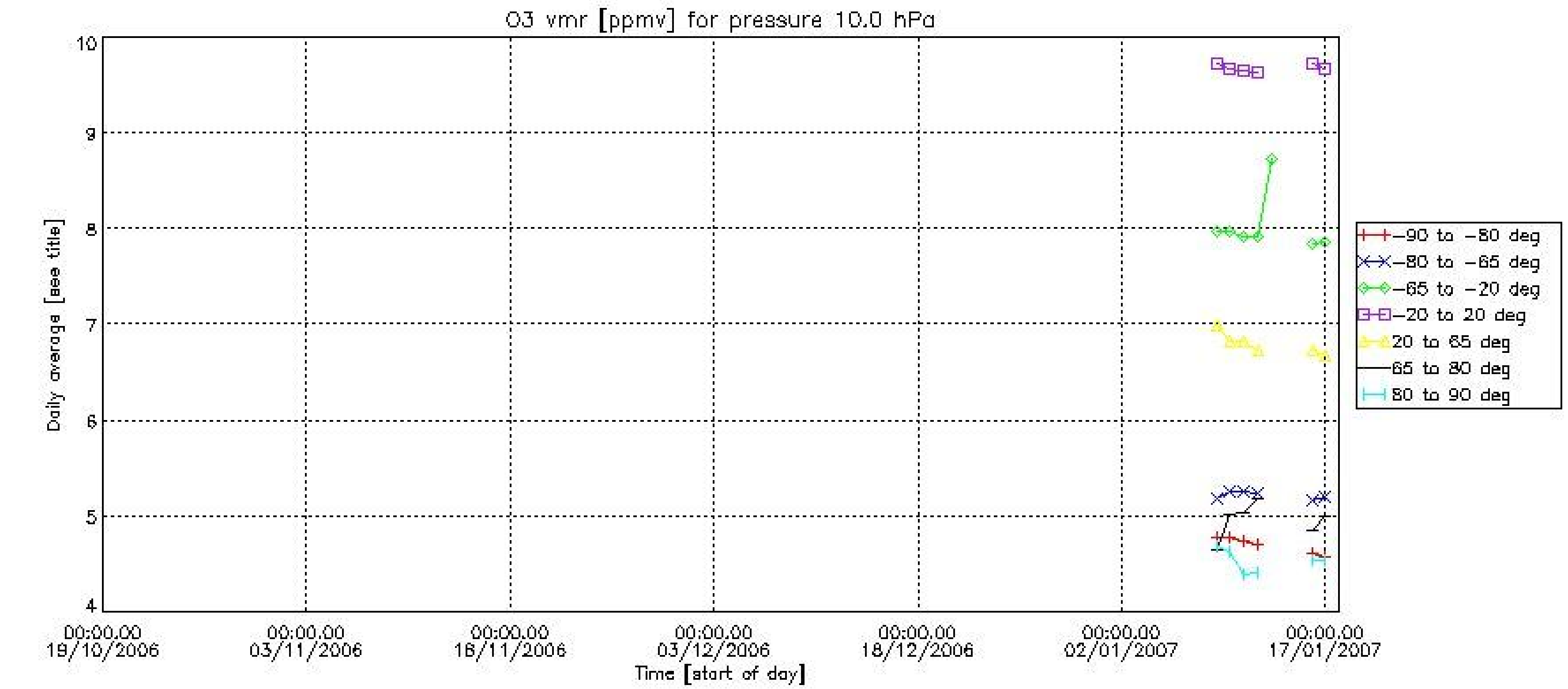
Note: In the following plot, values for Tangent altitude outside the range of 20.000 to 40.000 km have been excluded in the averages.

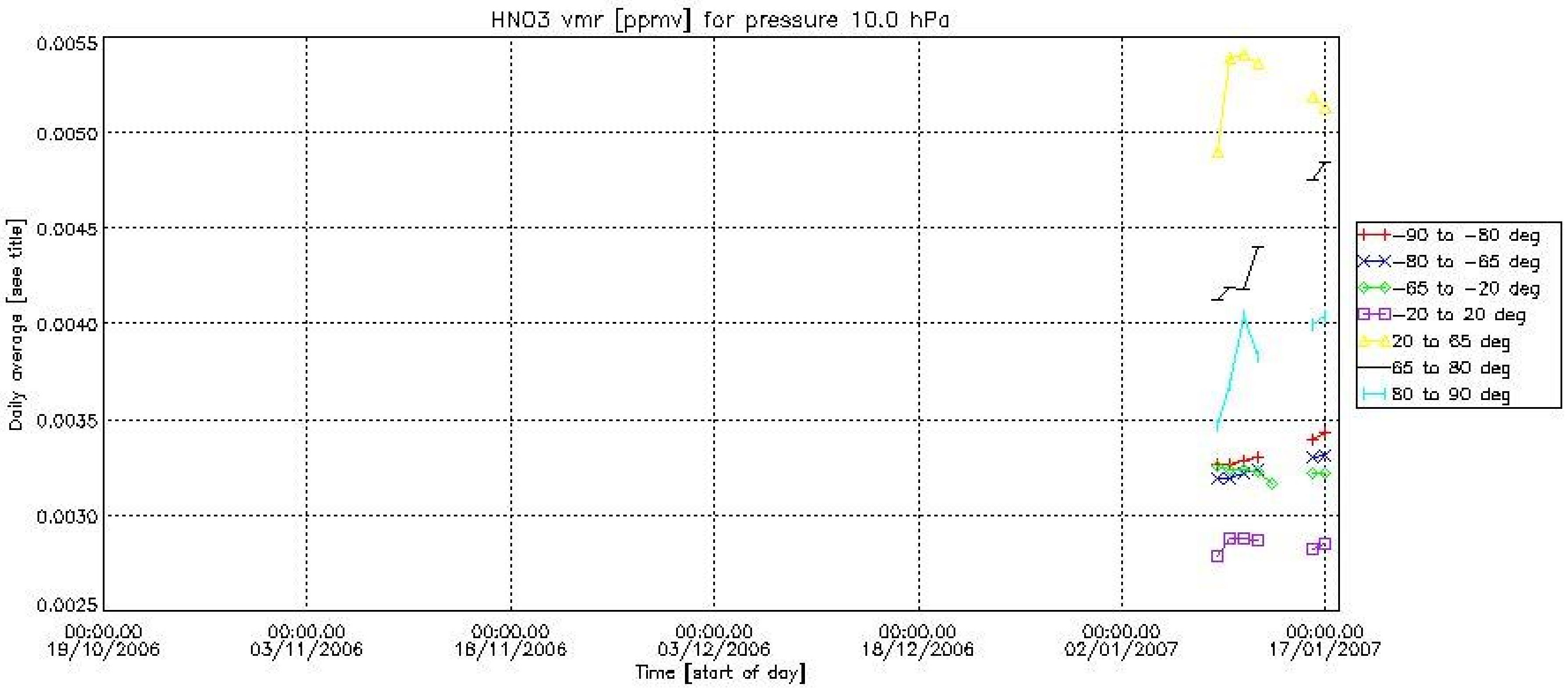


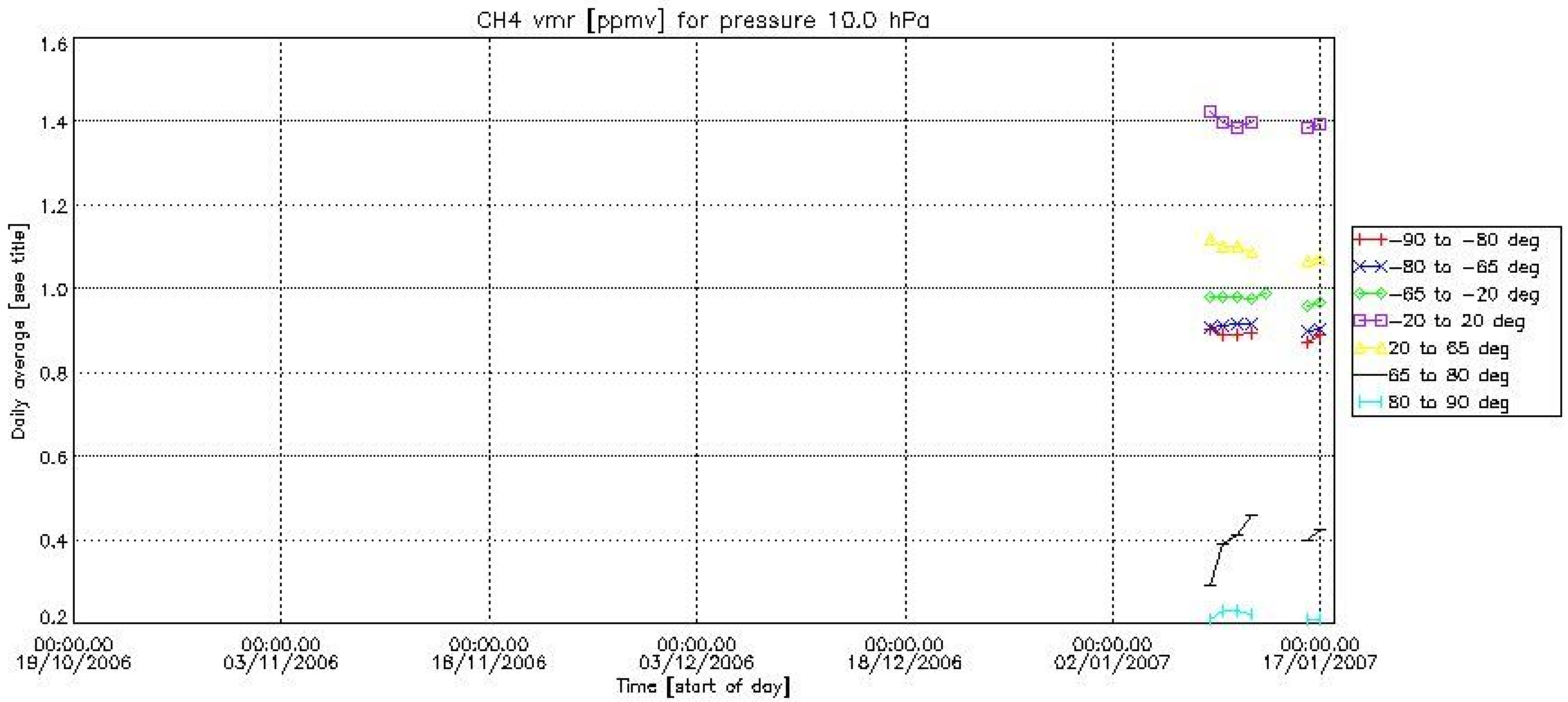
Note: In the following plot, values for H2O outside the range of 0.010 to 500.000 ppmv have been excluded in the averages.

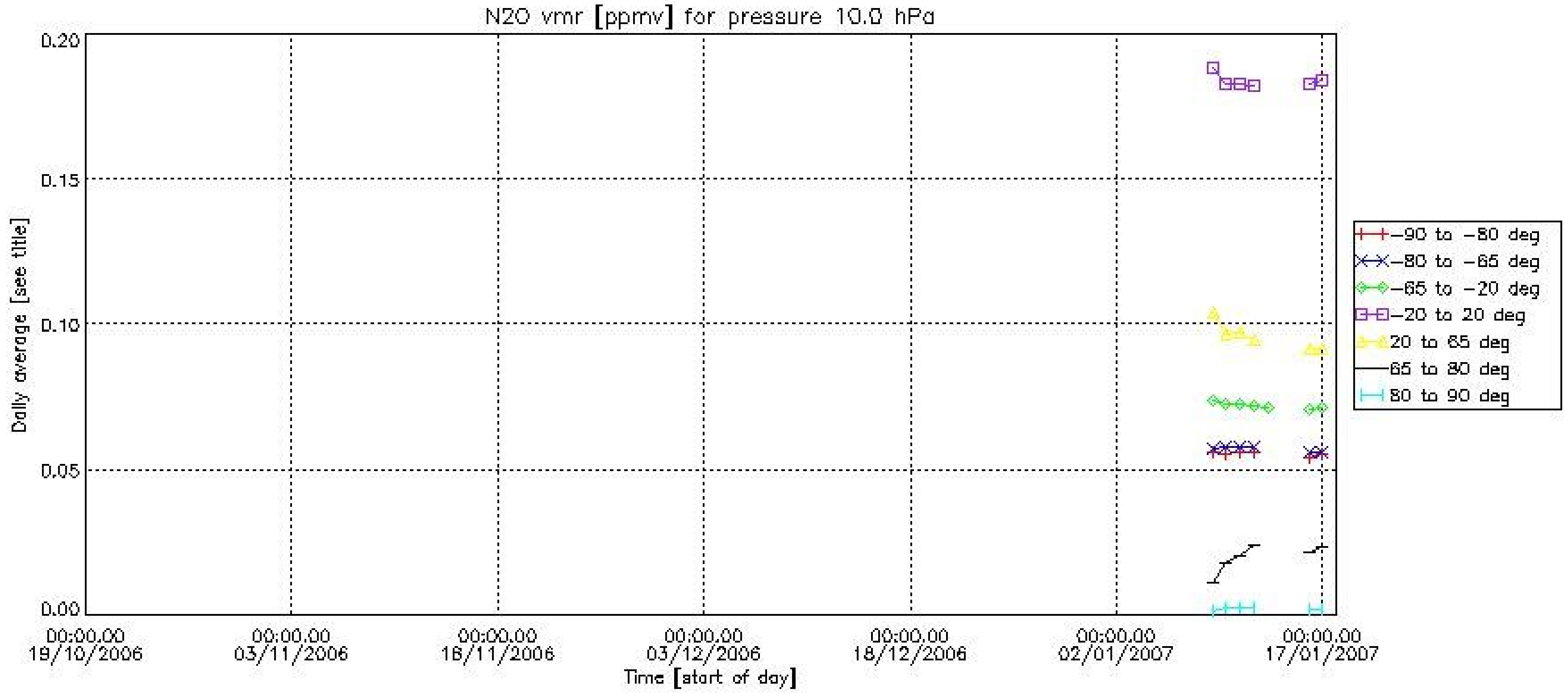


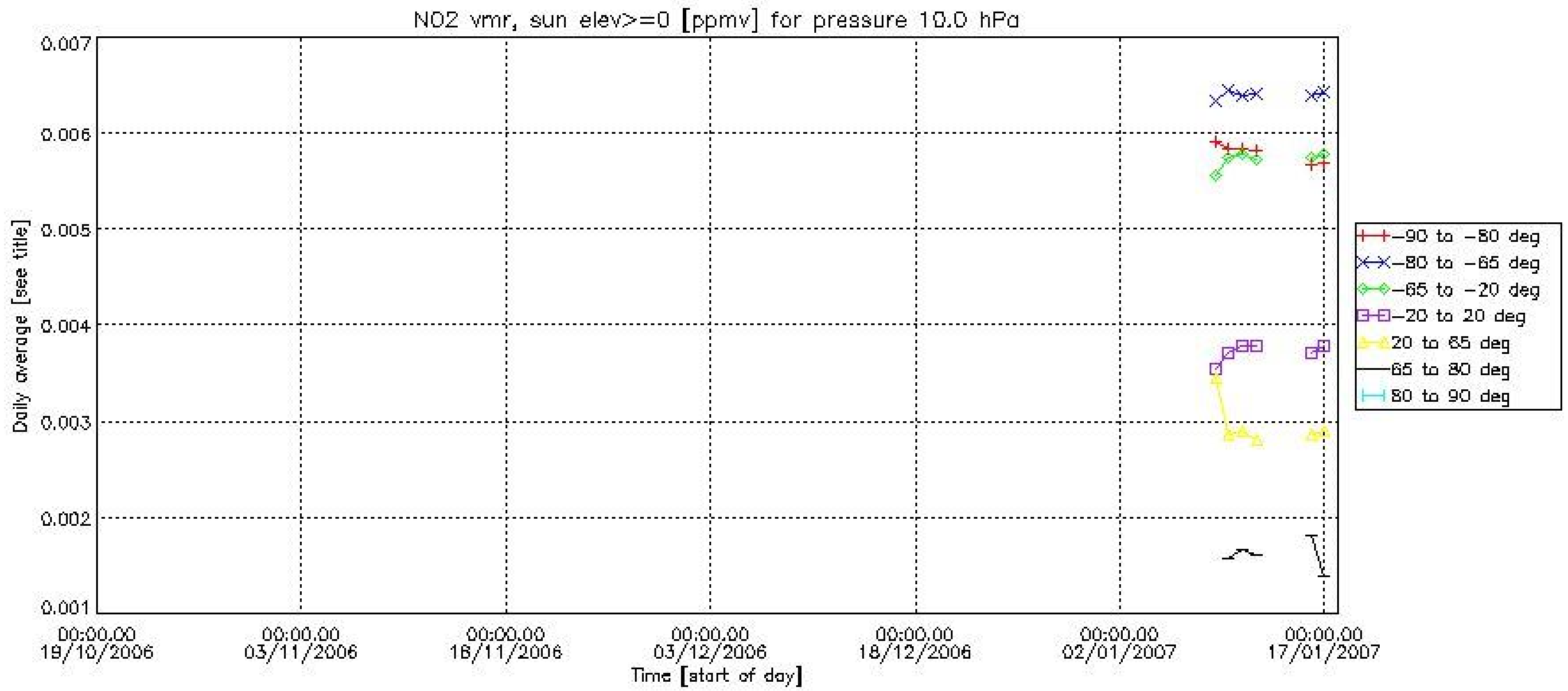
Note: In the following plot, values for O3 outside the range of 0.000 to 18.000 ppmv have been excluded in the averages.

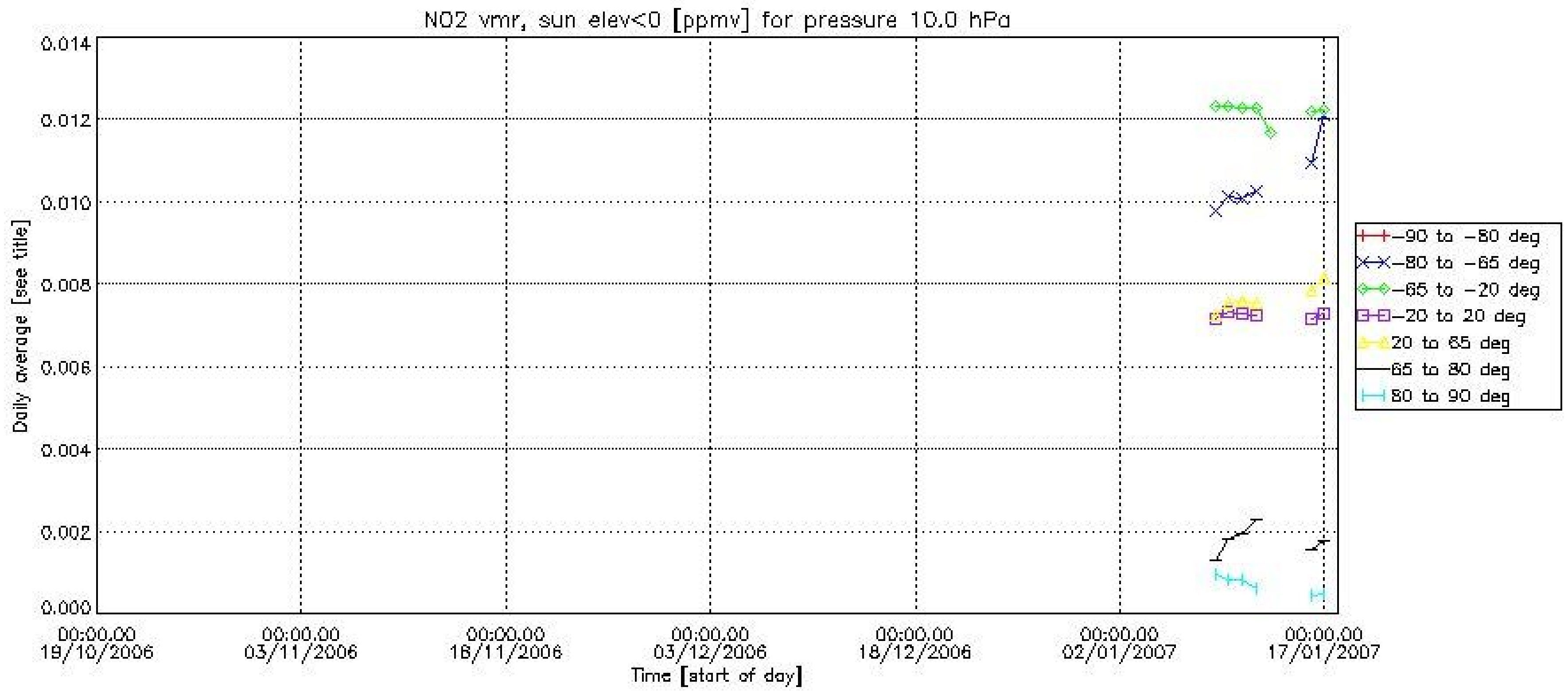

O3 vmr [ppmv] for pressure 10.0 hPa
Daily average [see title]
Time [start of day]
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
−90 to −80 deg
−80 to −65 deg
−65 to −20 deg
−20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg

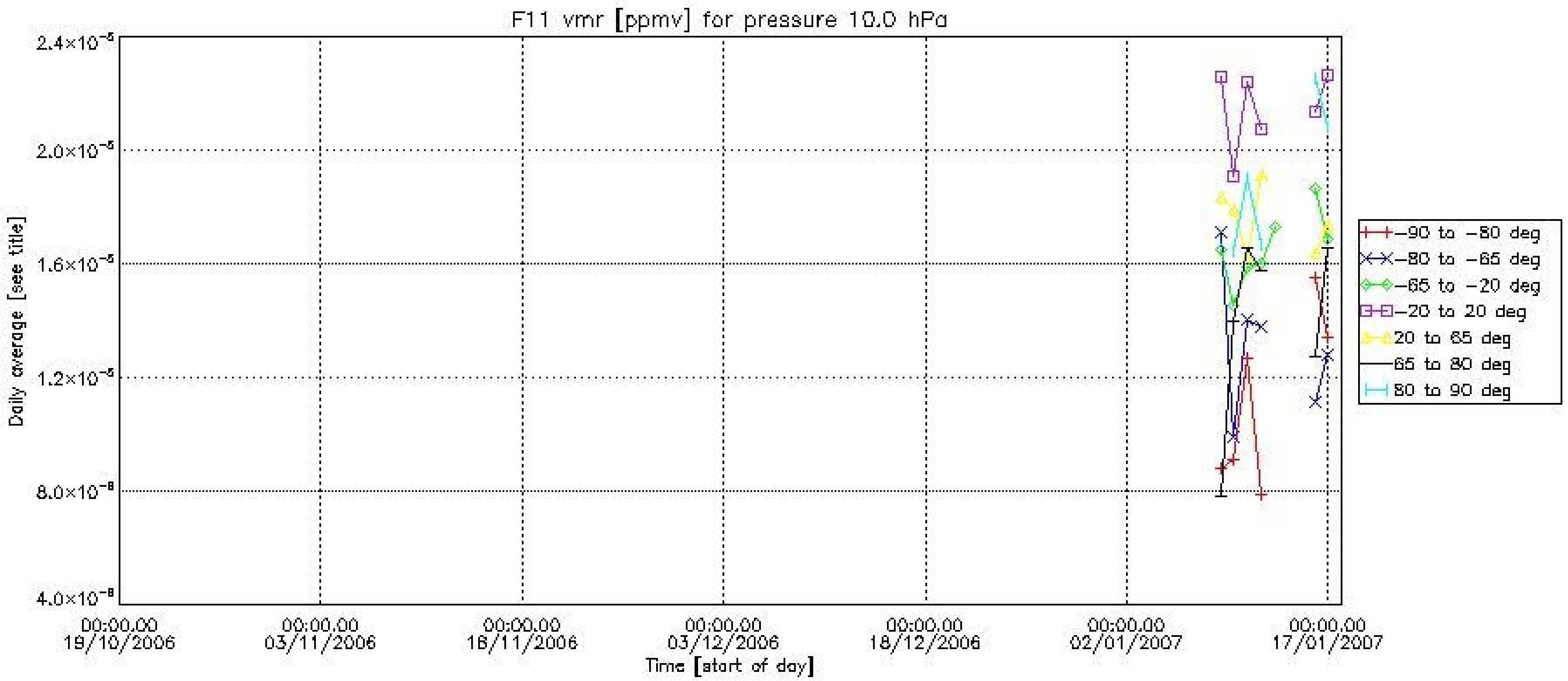

HNO3 vmr [ppmv] for pressure 10.0 hPa
Daily average [see title]
Time [start of day]
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
−90 to −80 deg
−80 to −65 deg
−65 to −20 deg
−20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg

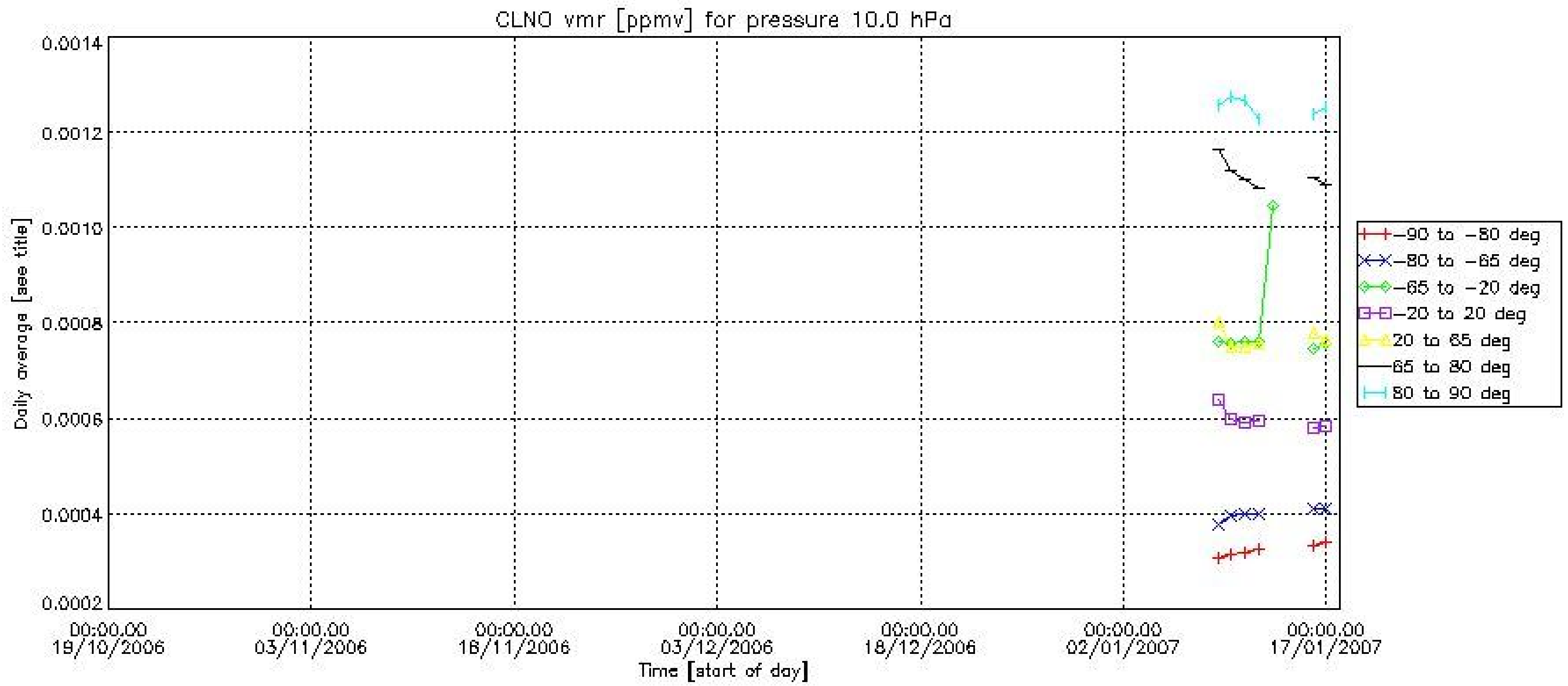

CH4 vmr [ppmv] for pressure 10.0 hPa
Daily average [see title]
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
Time [start of day]
−90 to −80 deg
−80 to −65 deg
−65 to −20 deg
−20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg

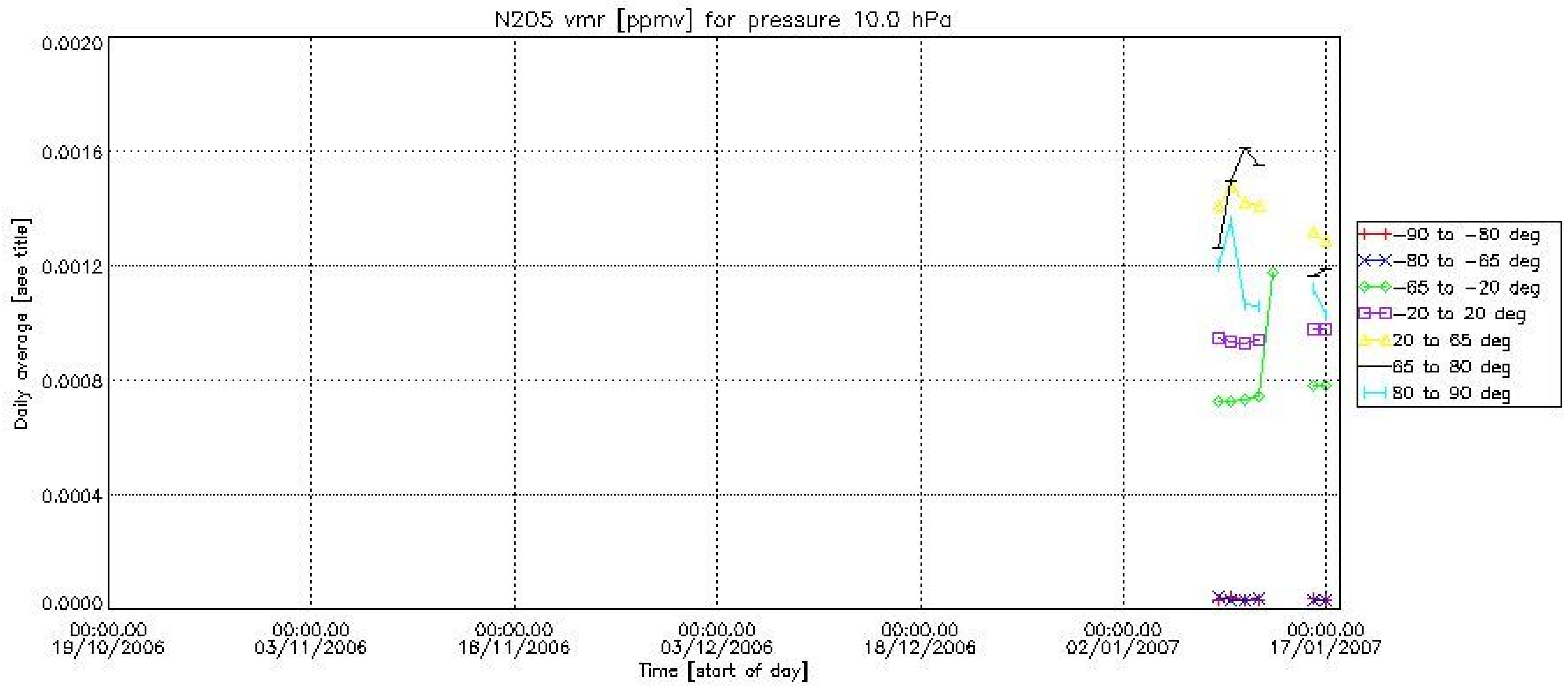

N2O vmr [ppmv] for pressure 10.0 hPa
Daily average [see title]
0.20
0.15
0.10
0.05
0.00
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
Time [start of day]
−90 to −80 deg
−80 to −65 deg
−65 to −20 deg
−20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg


NO2 vmr, sun elev>=0 [ppmv] for pressure 10.0 hPa
Daily average [see title]
0.007
0.006
0.005
0.004
0.003
0.002
0.001
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
Time [start of day]
-90 to -80 deg
-80 to -65 deg
-65 to -20 deg
-20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg

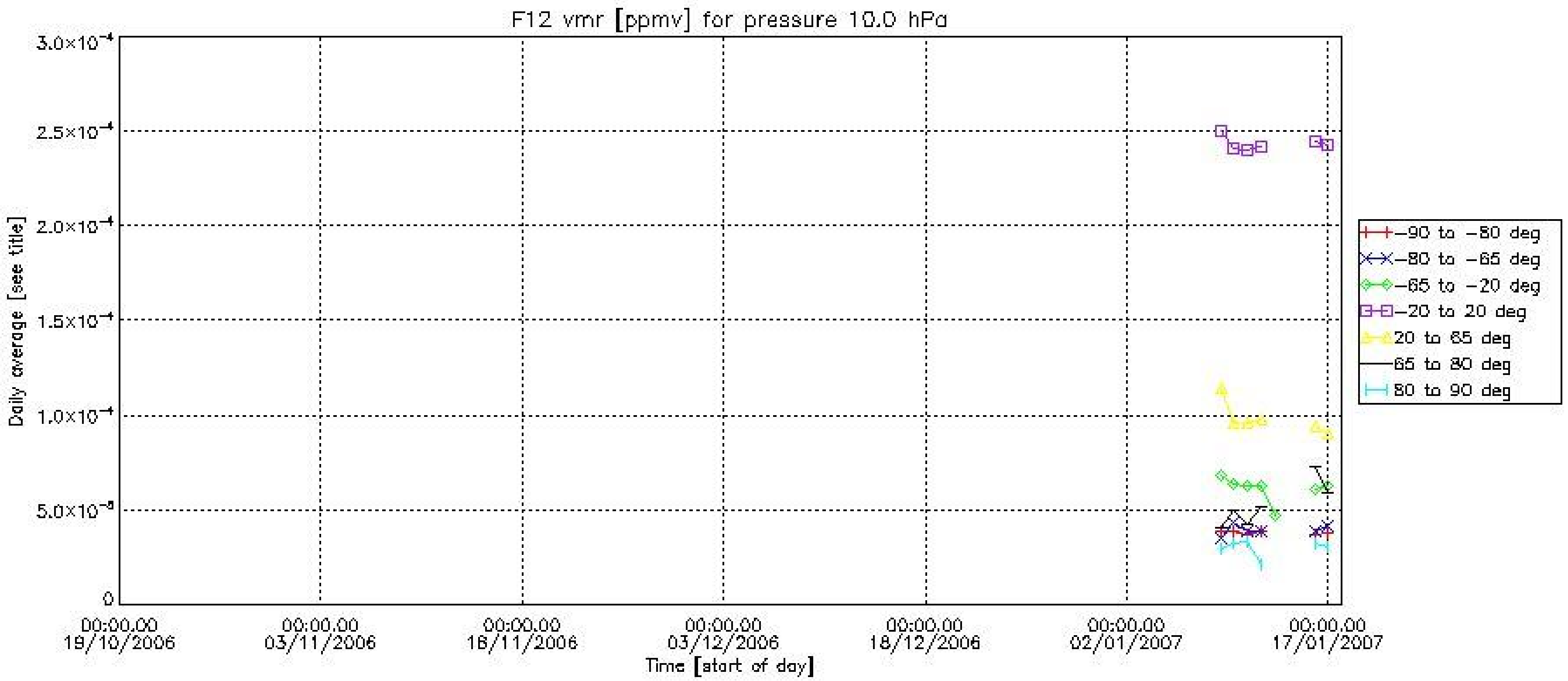

NO2 vmr, sun elev<0 [ppmv] for pressure 10.0 hPa
Daily average [see title]
0.014
0.012
0.010
0.008
0.006
0.004
0.002
0.000
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
Time [start of day]
-90 to -80 deg
-80 to -65 deg
-65 to -20 deg
-20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg

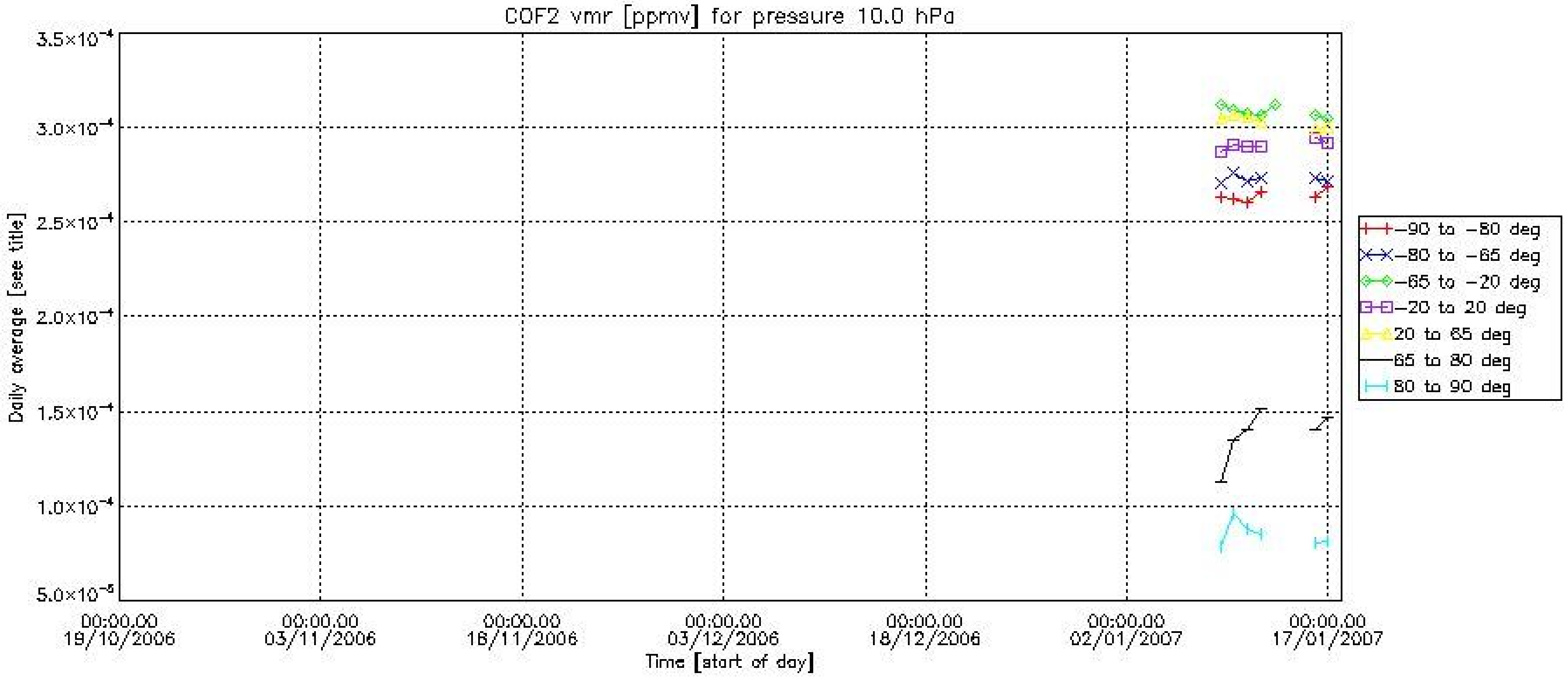

F11 vmr [ppmv] for pressure 10.0 hPa
Daily average [see title]
2.4×10⁻⁵
2.0×10⁻⁵
1.6×10⁻⁵
1.2×10⁻⁵
8.0×10⁻⁶
4.0×10⁻⁶
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
Time [start of day]
-90 to -80 deg
-80 to -65 deg
-65 to -20 deg
-20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg

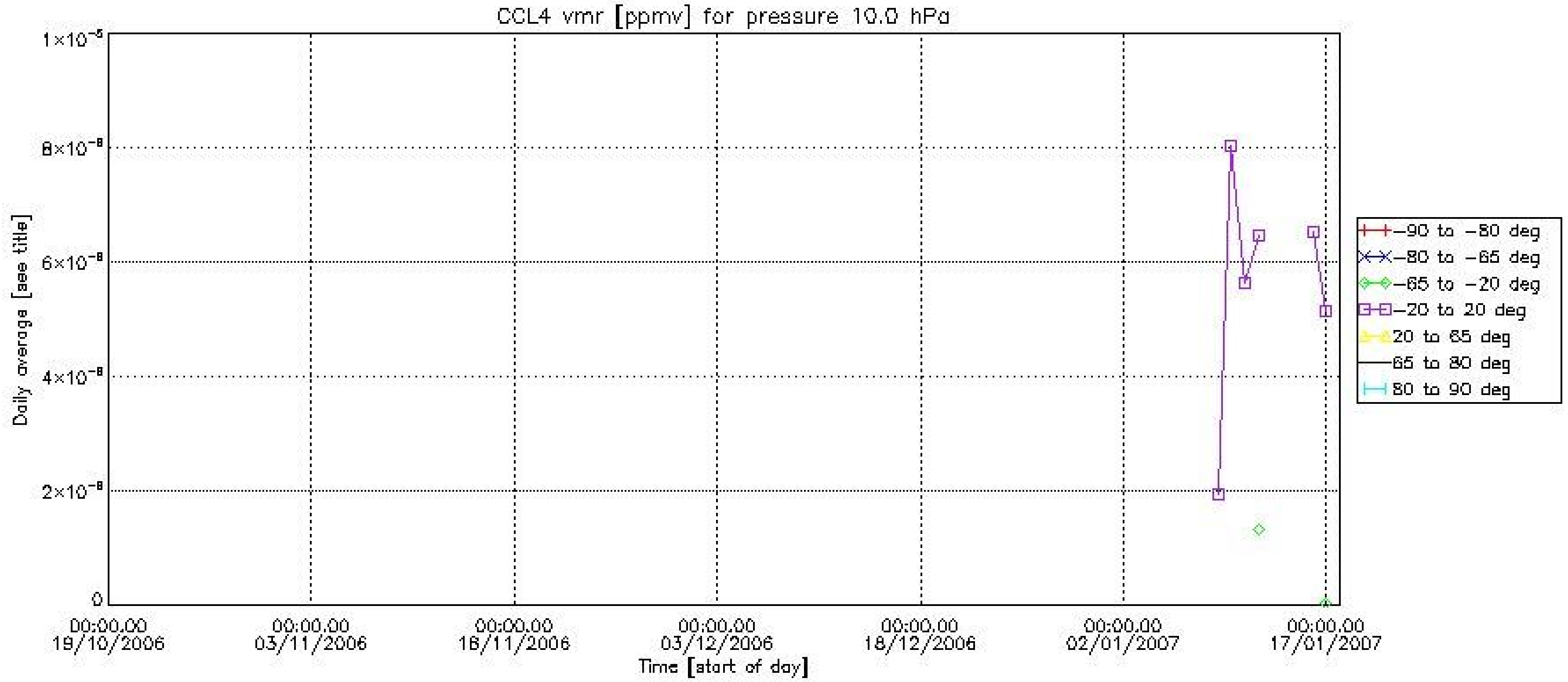

CLNO vmr [ppmv] for pressure 10.0 hPa
Daily average [see title]
0.0014
0.0012
0.0010
0.0008
0.0006
0.0004
0.0002
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
Time [start of day]
-90 to -80 deg
-80 to -65 deg
-65 to -20 deg
-20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg

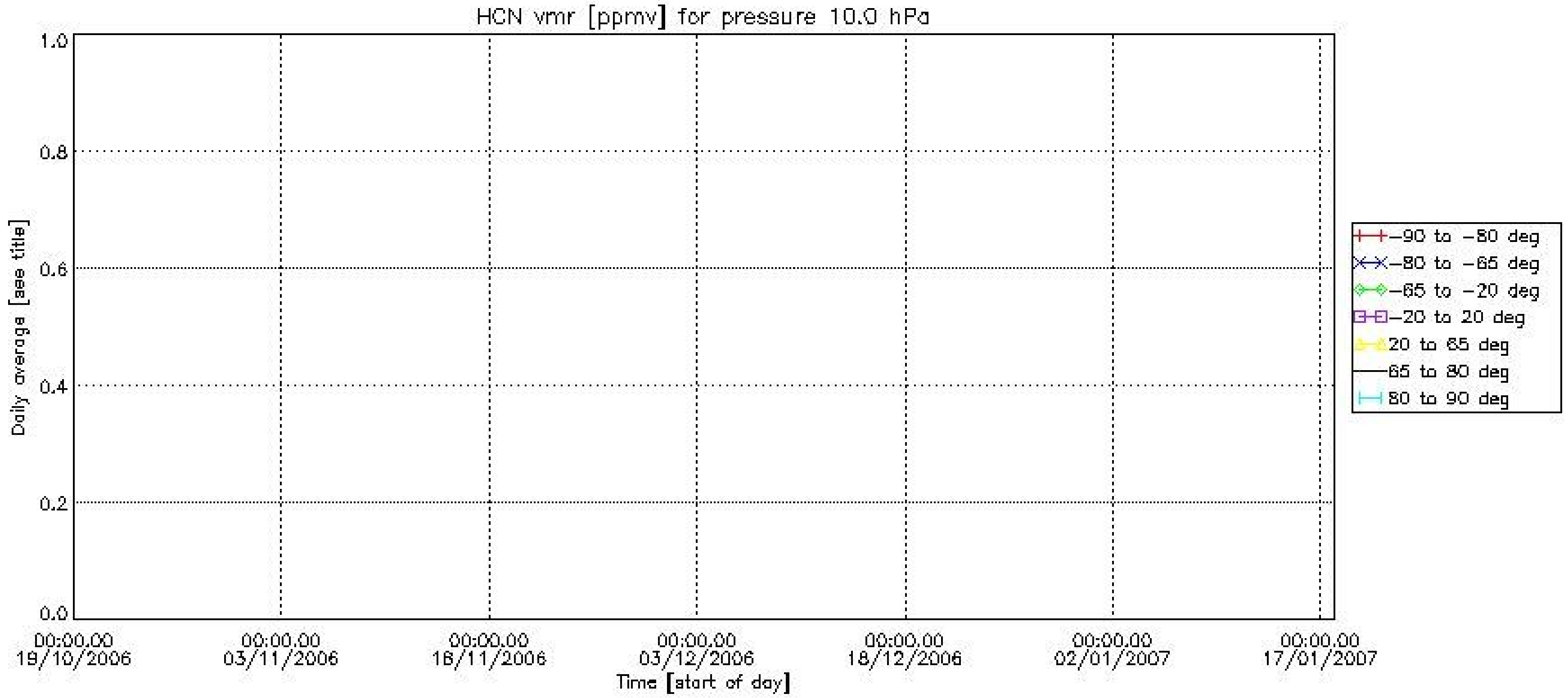


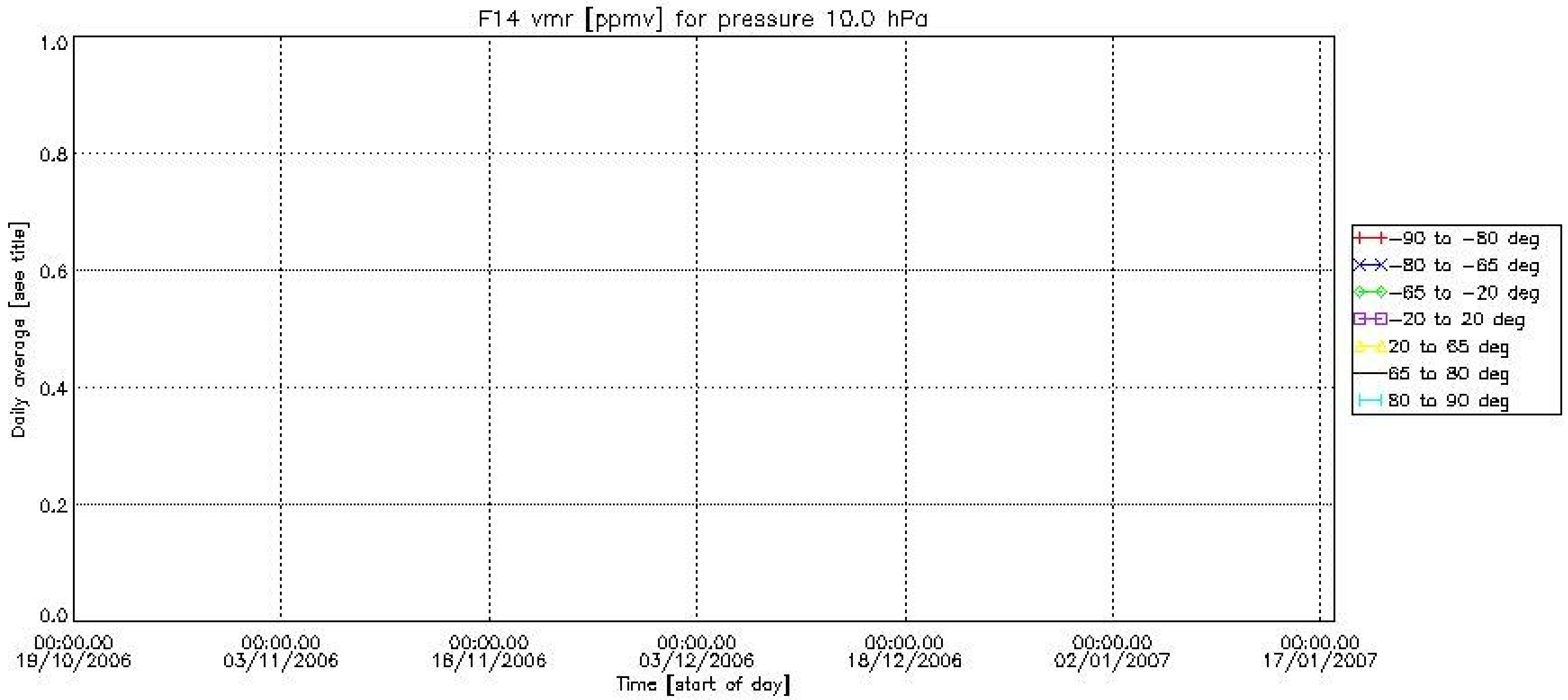
Note: In the following plot, values for F12 outside the range of 0.000 to 1.000 ppmv have been excluded in the averages.

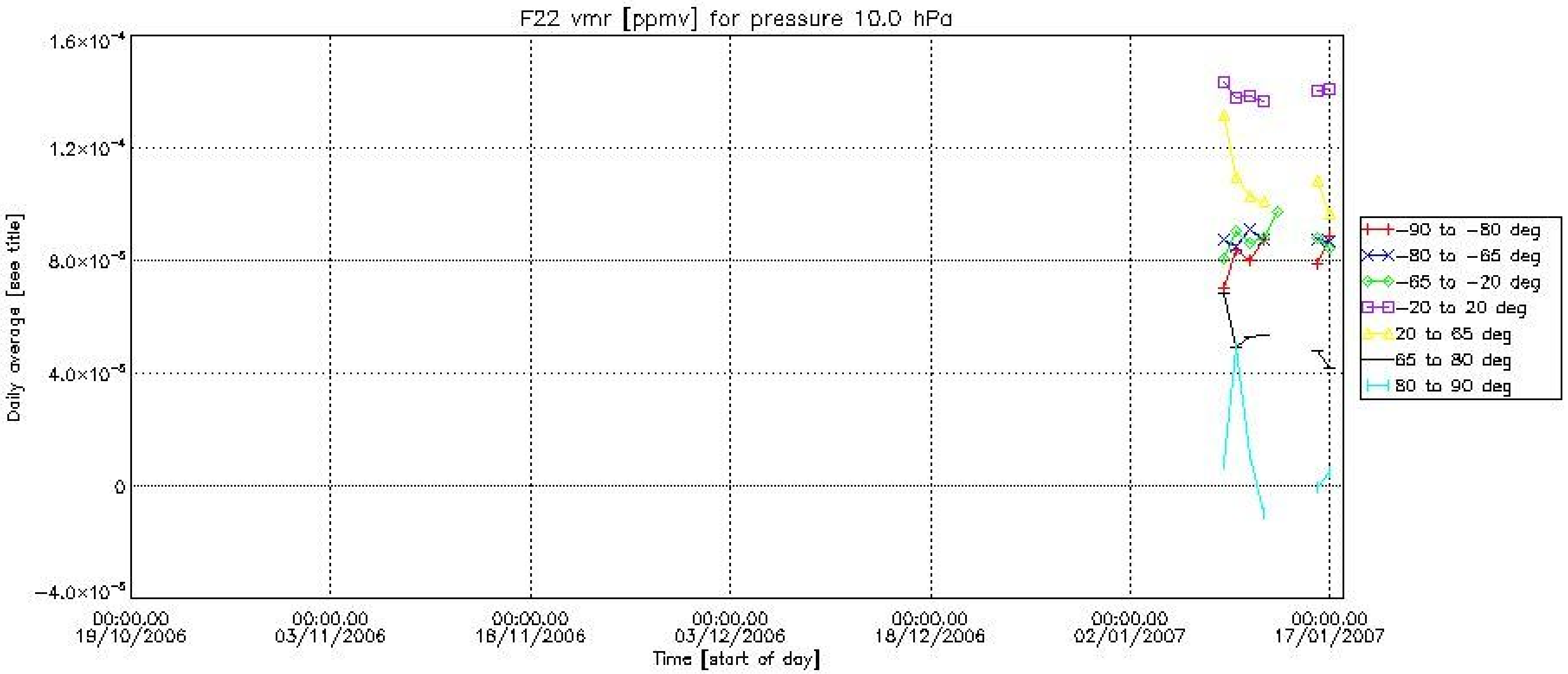



COF2 vmr [ppmv] for pressure 10.0 hPa
Daily average [see title]
Time [start of day]
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
-90 to -80 deg
-80 to -65 deg
-65 to -20 deg
-20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg


CCL4 vmr [ppmv] for pressure 10.0 hPa
Daily average [see title]
Time [start of day]
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
-90 to -80 deg
-80 to -65 deg
-65 to -20 deg
-20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg

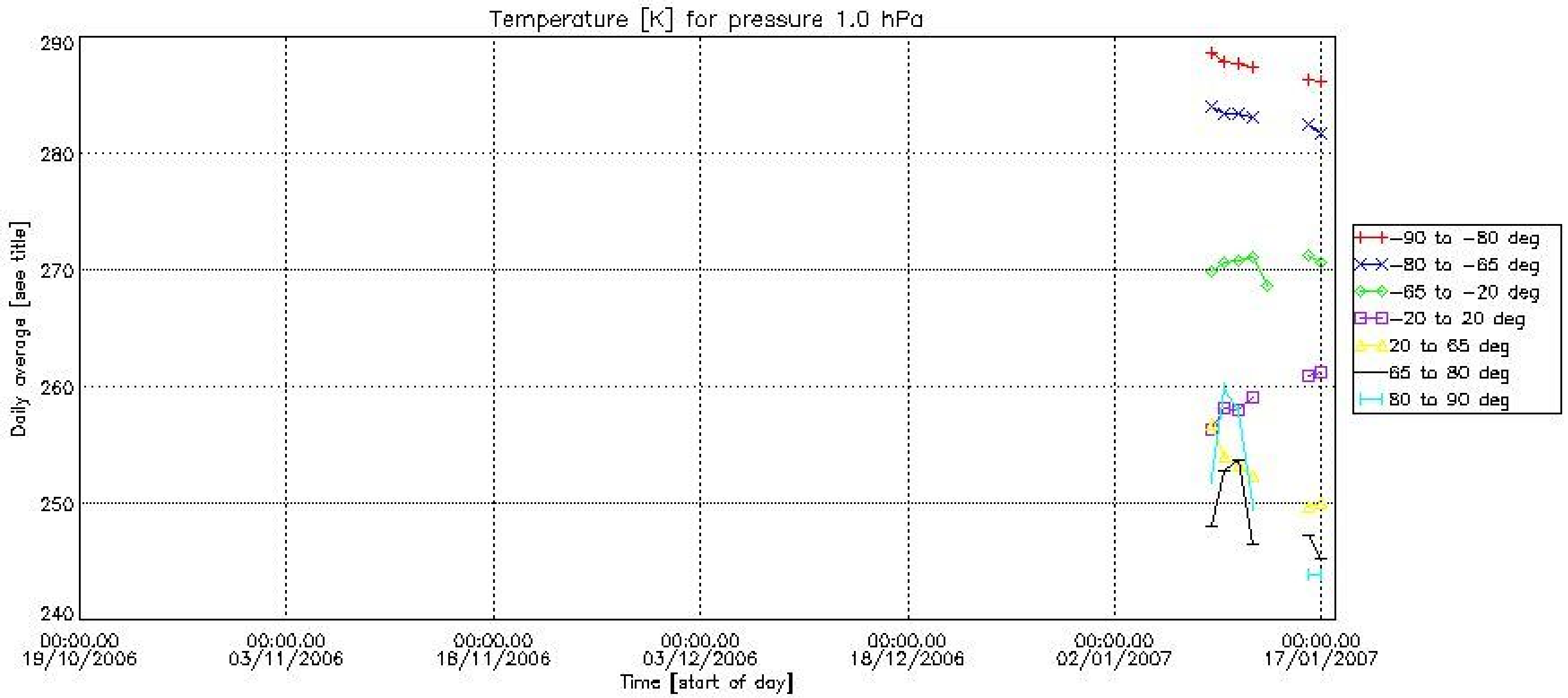

HCN vmr [ppmv] for pressure 10.0 hPa
1.0
0.8
0.6
0.4
0.2
0.0
Daily average [see title]
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
Time [start of day]
-90 to -80 deg
-80 to -65 deg
-65 to -20 deg
-20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg


F14 vmr [ppmv] for pressure 10.0 hPa
1.0
0.8
0.6
0.4
0.2
0.0
Daily average [see title]
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
Time [start of day]
-90 to -80 deg
-80 to -65 deg
-65 to -20 deg
-20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg

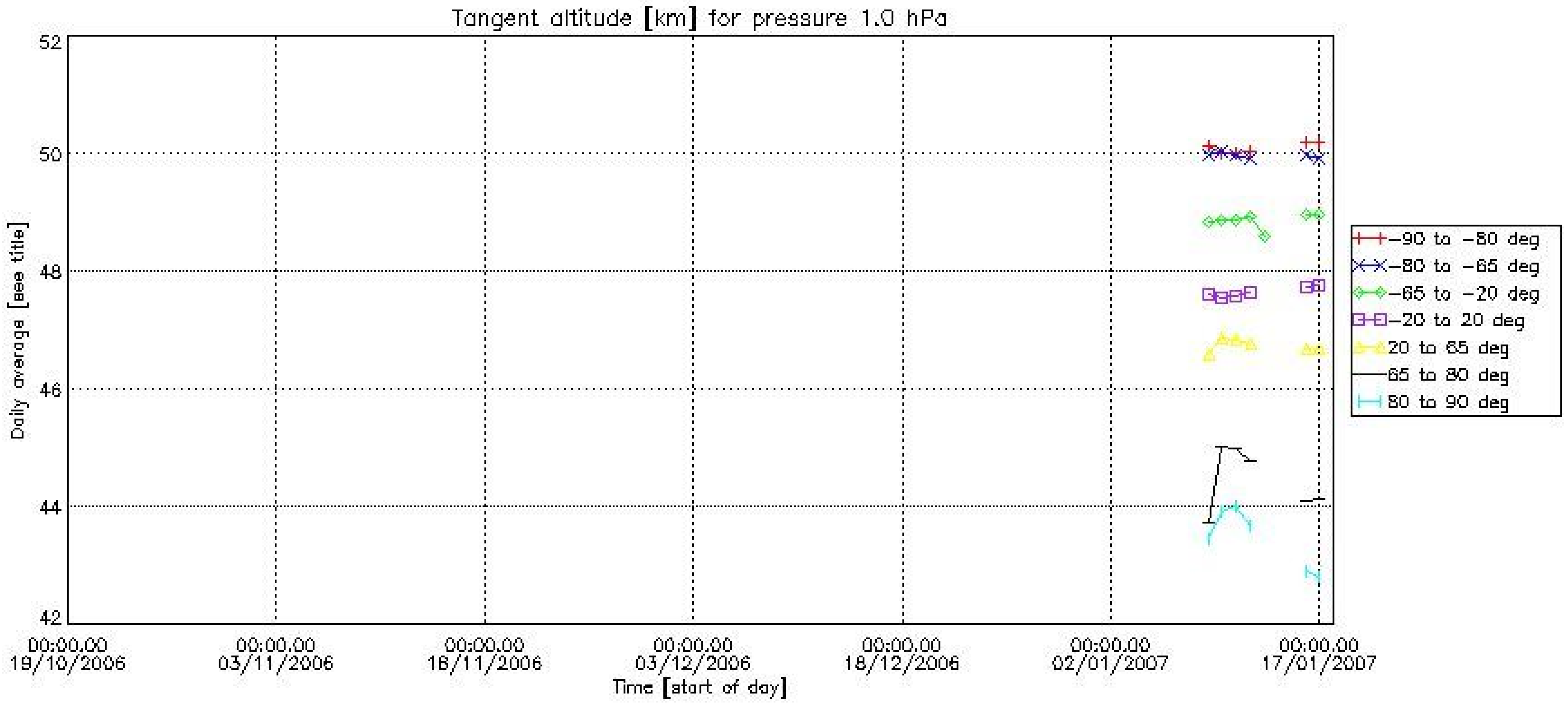


2.2.5.3 Daily average at 1.0 hPa

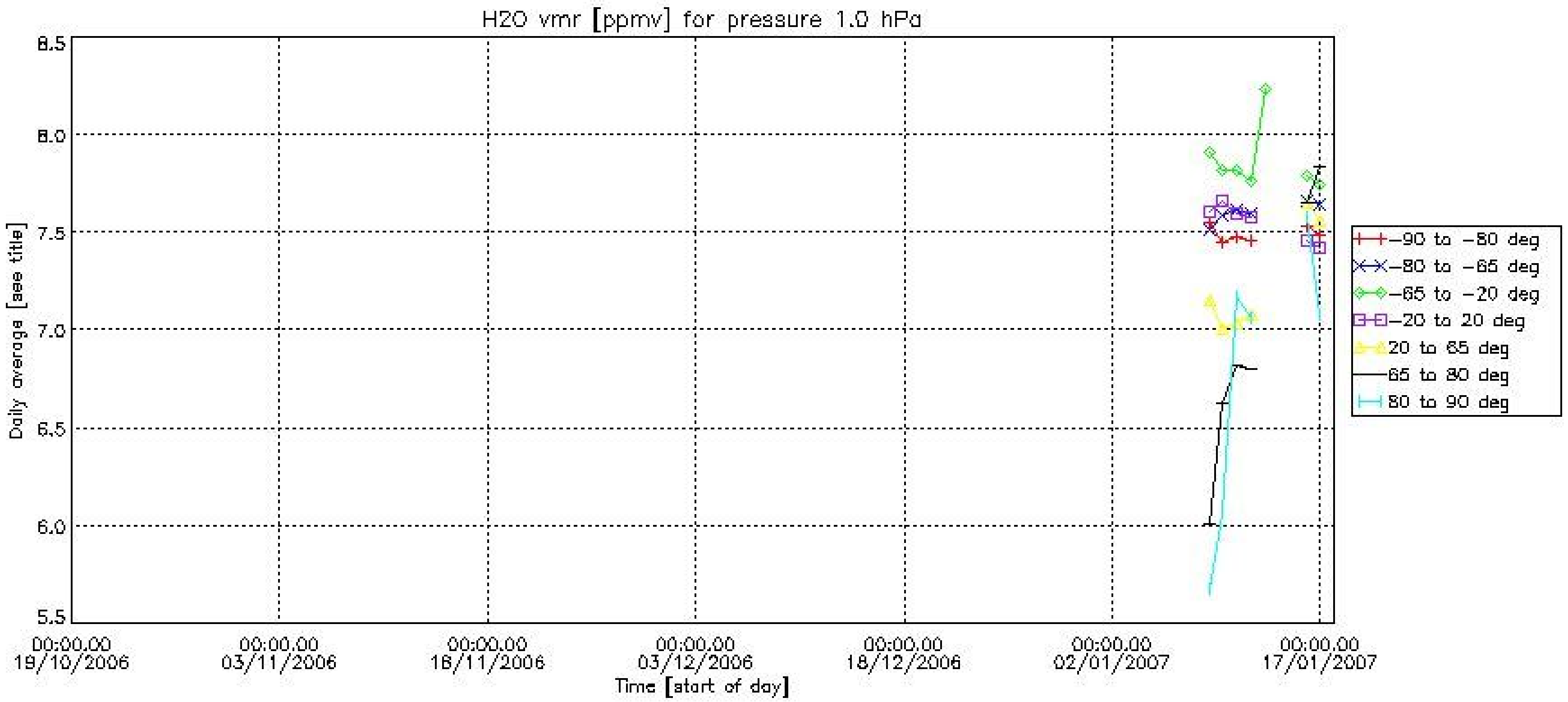
Note: In the following plot, values for Temperature outside the range of 160.000 to 320.000 K have been excluded in the averages.



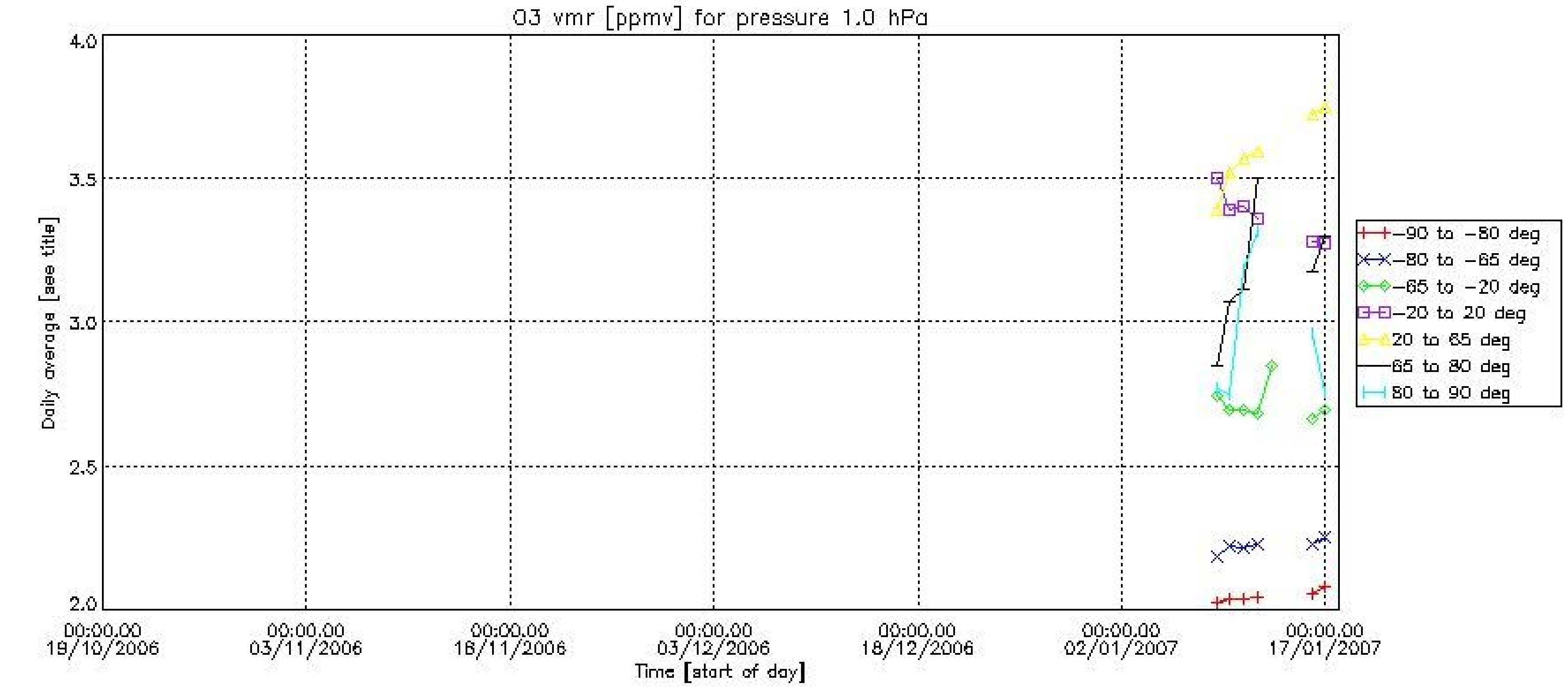
Note: In the following plot, values for Tangent altitude outside the range of 40.000 to 60.000 km have been excluded in the averages.



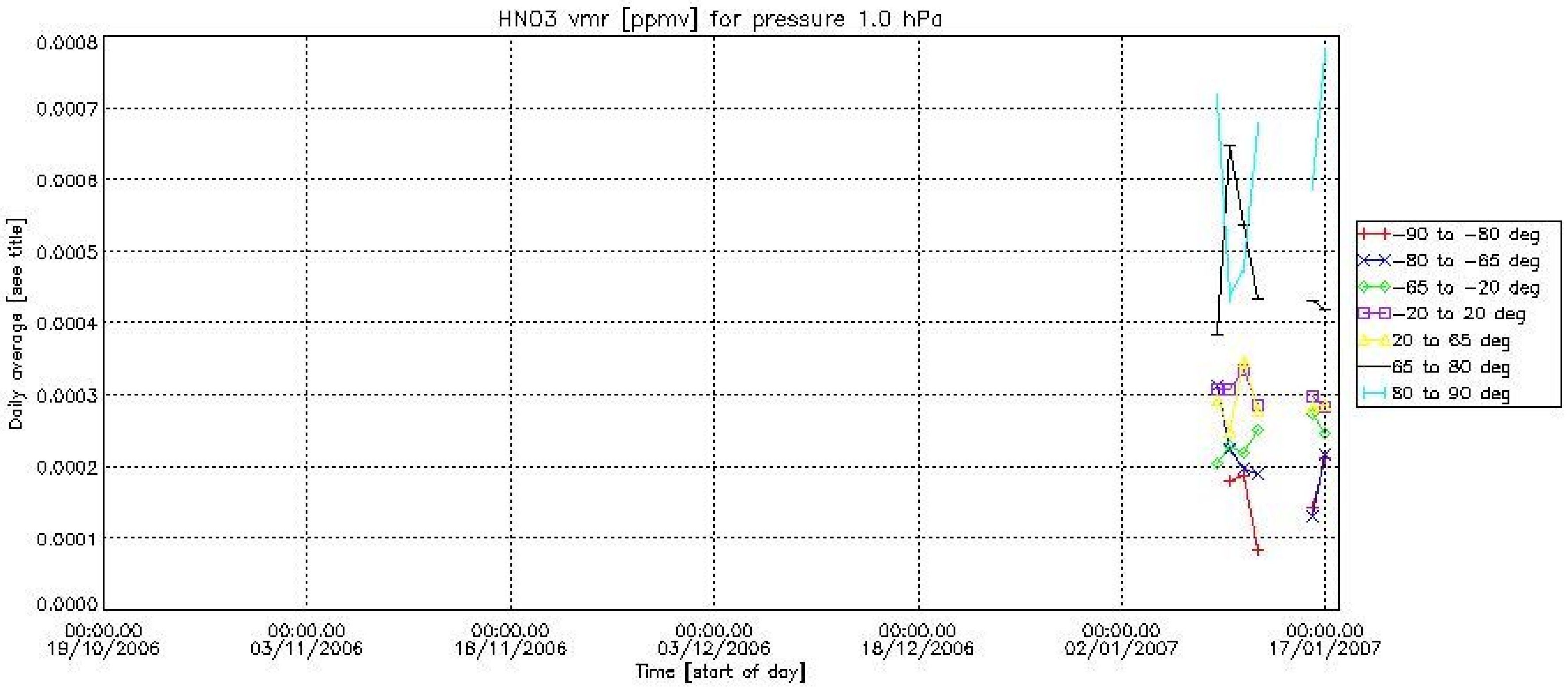
Note: In the following plot, values for H2O outside the range of 0.010 to 500.000 ppmv have been excluded in the averages.



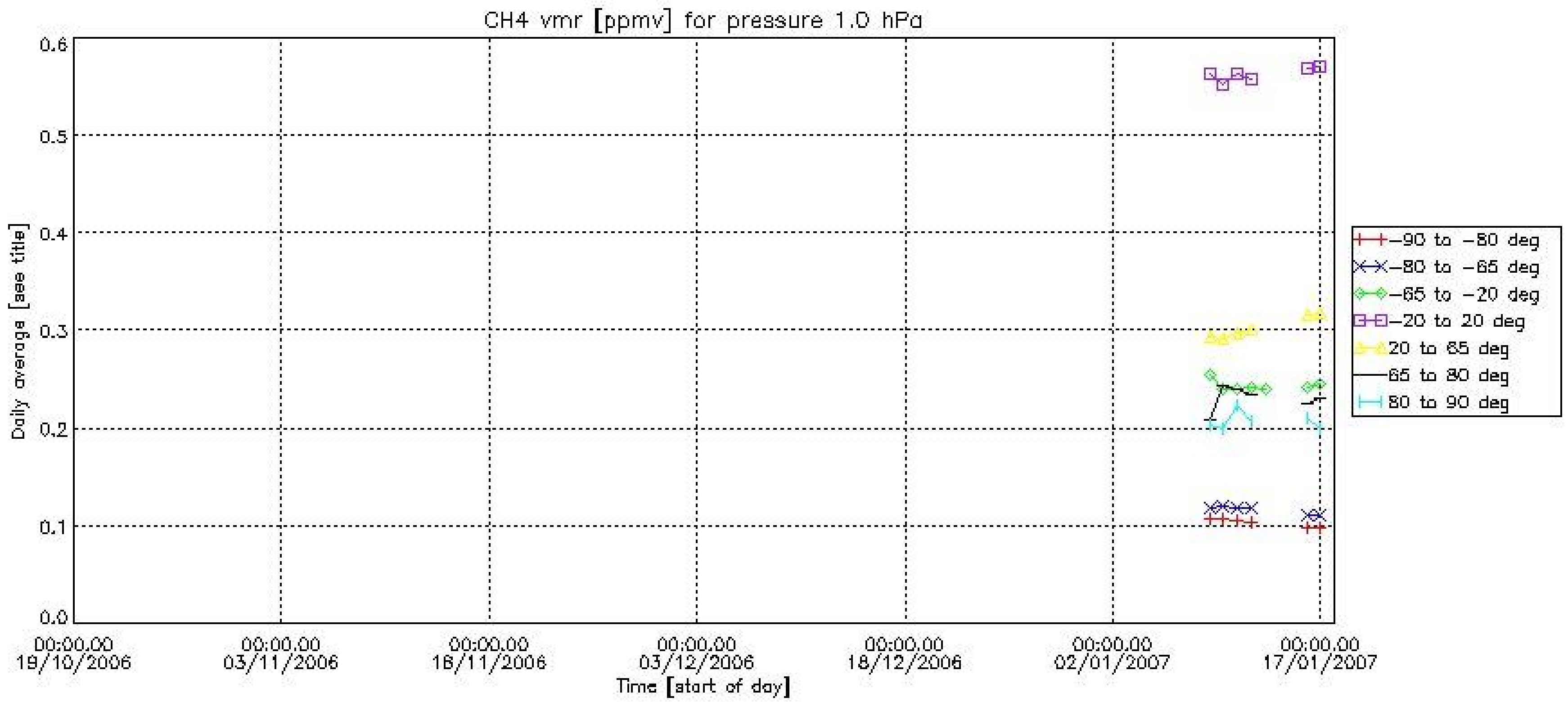
Note: In the following plot, values for O3 outside the range of 0.000 to 18.000 ppmv have been excluded in the averages.

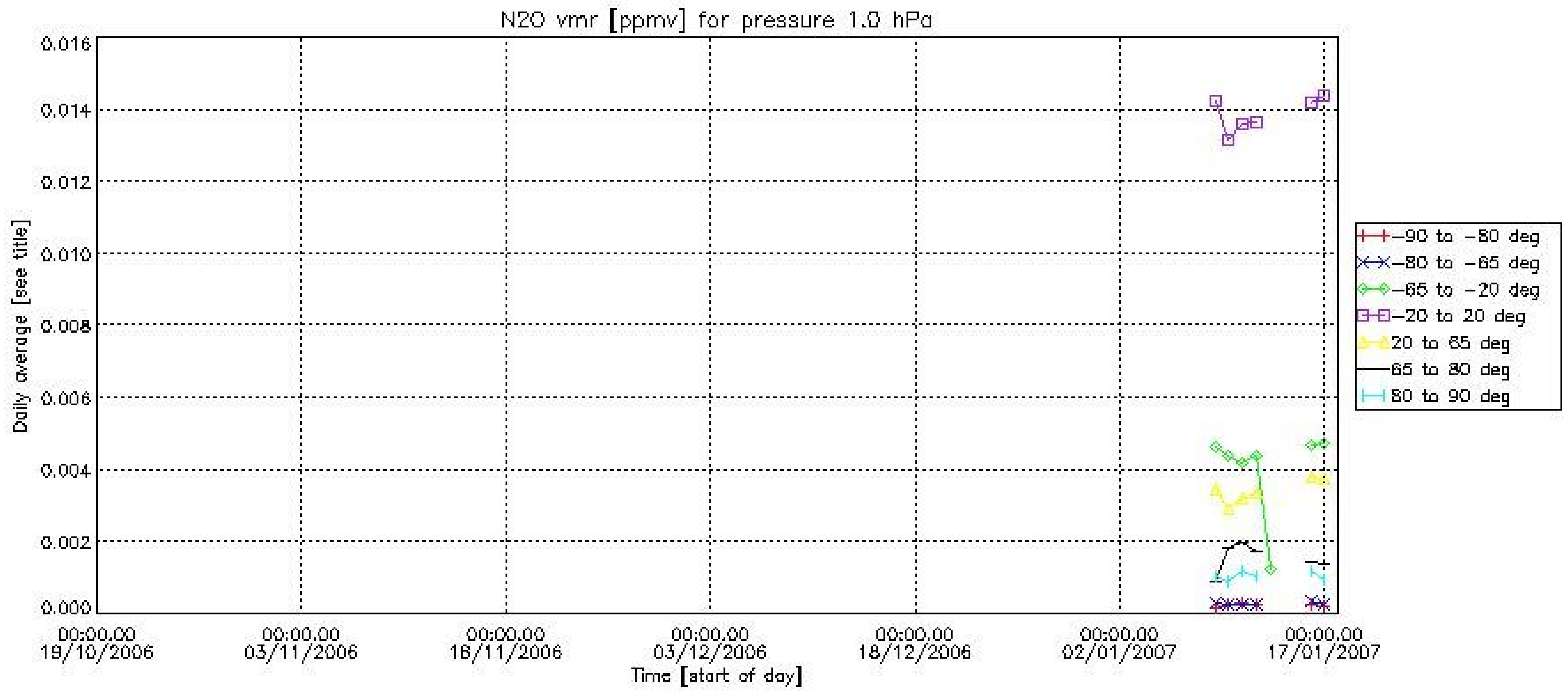


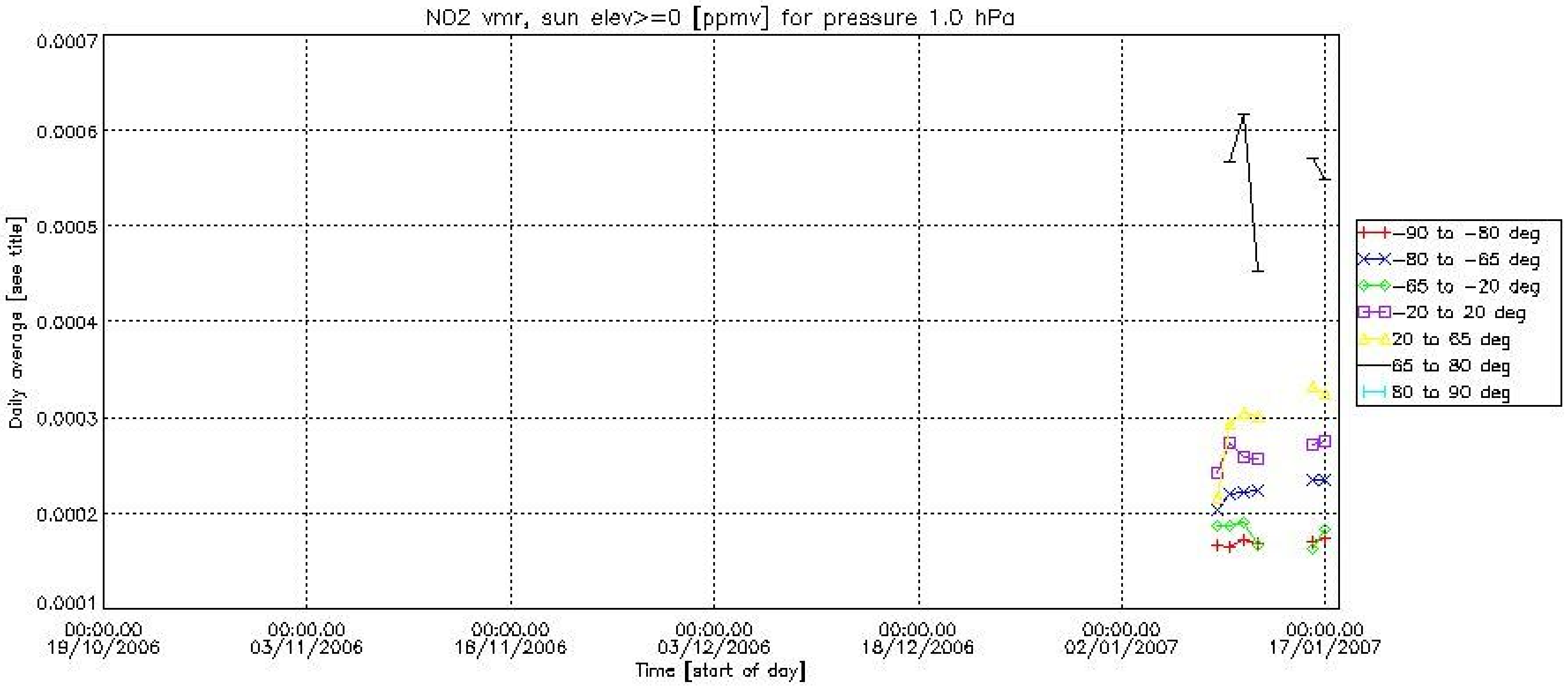
Note: In the following plot, values for HNO3 outside the range of 0.000 to 1.000 ppmv have been excluded in the averages.

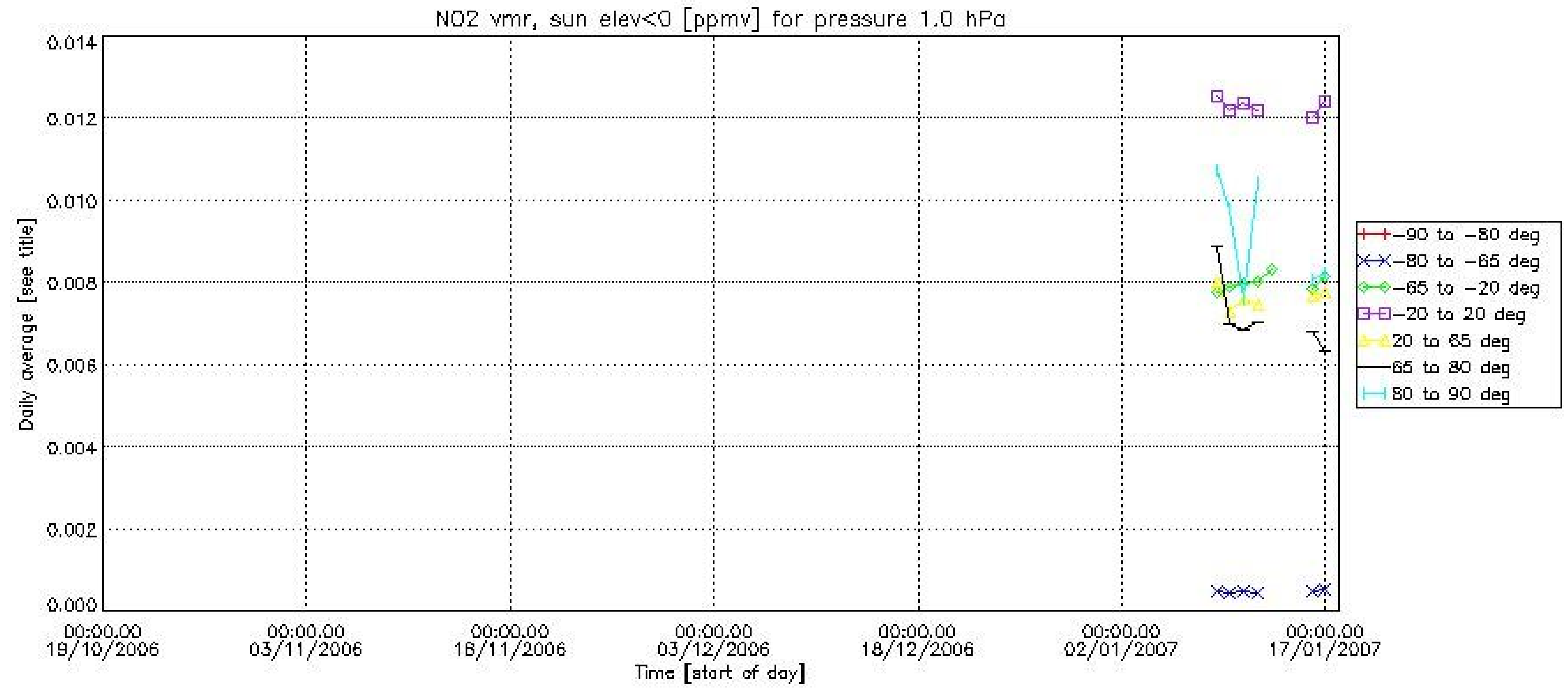


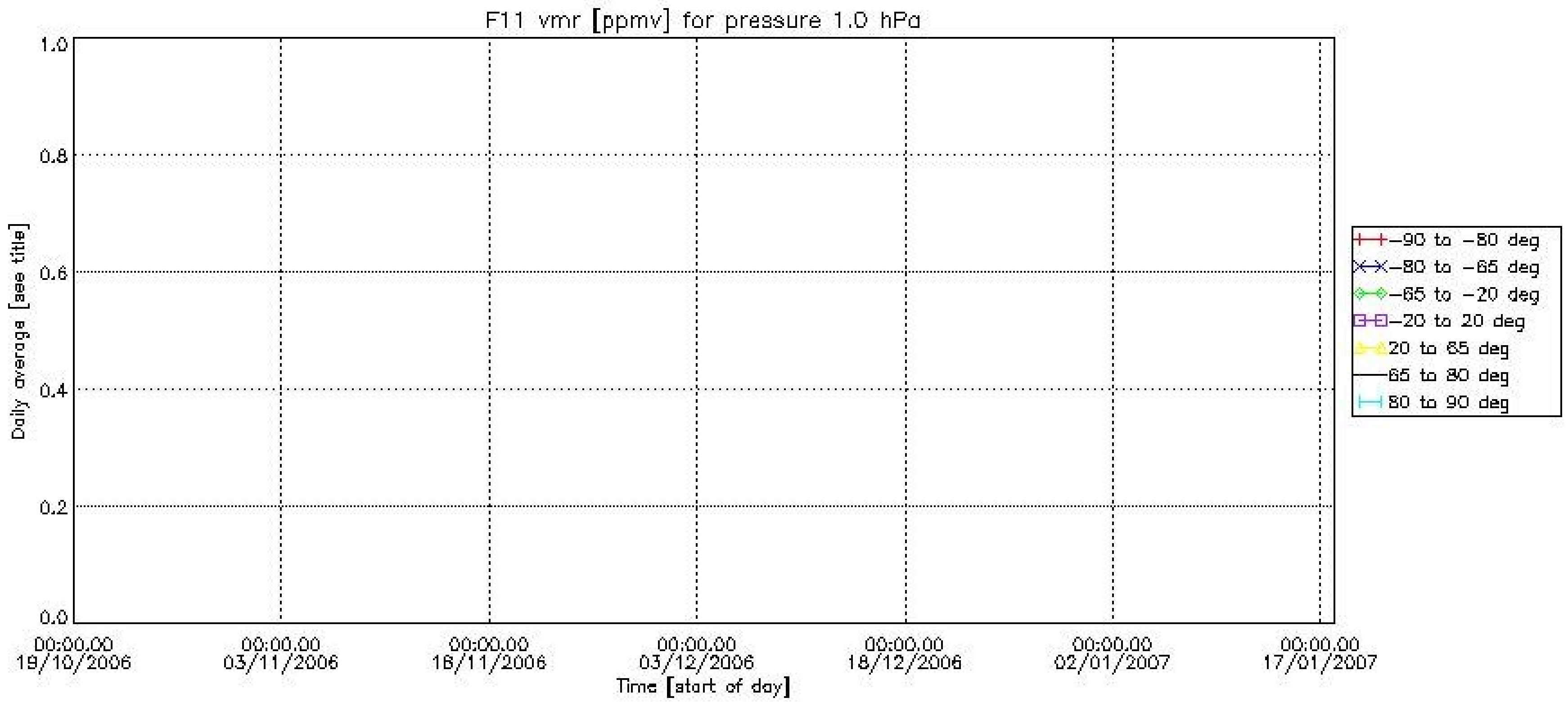
Note: In the following plot, values for CH4 outside the range of 0.000 to 5.000 ppmv have been excluded in the averages.

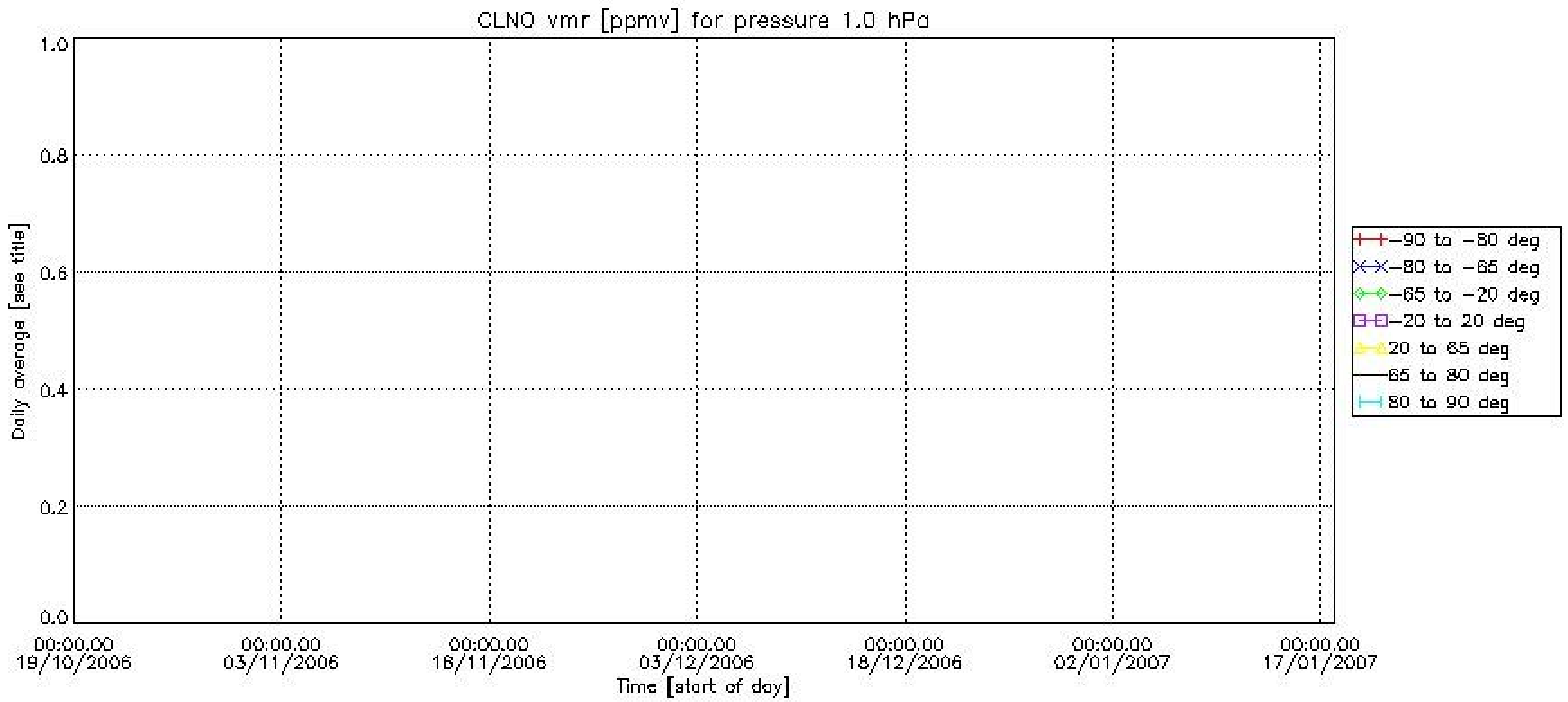

CH4 vmr [ppmv] for pressure 1.0 hPa
Daily average [see title]
Time [start of day]
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
-90 to -80 deg
-80 to -65 deg
-65 to -20 deg
-20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg

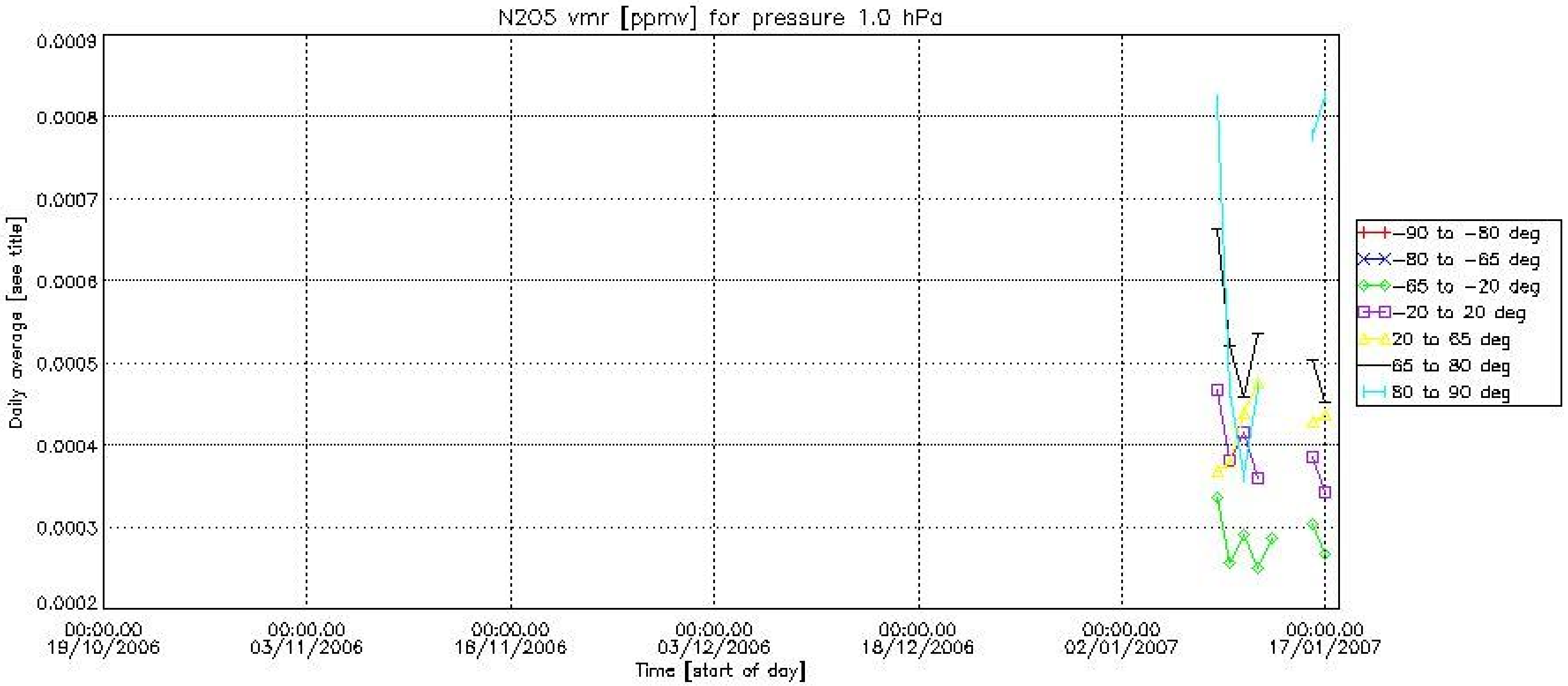

N2O vmr [ppmv] for pressure 1.0 hPa
Daily average [see title]
Time [start of day]
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
-90 to -80 deg
-80 to -65 deg
-65 to -20 deg
-20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg

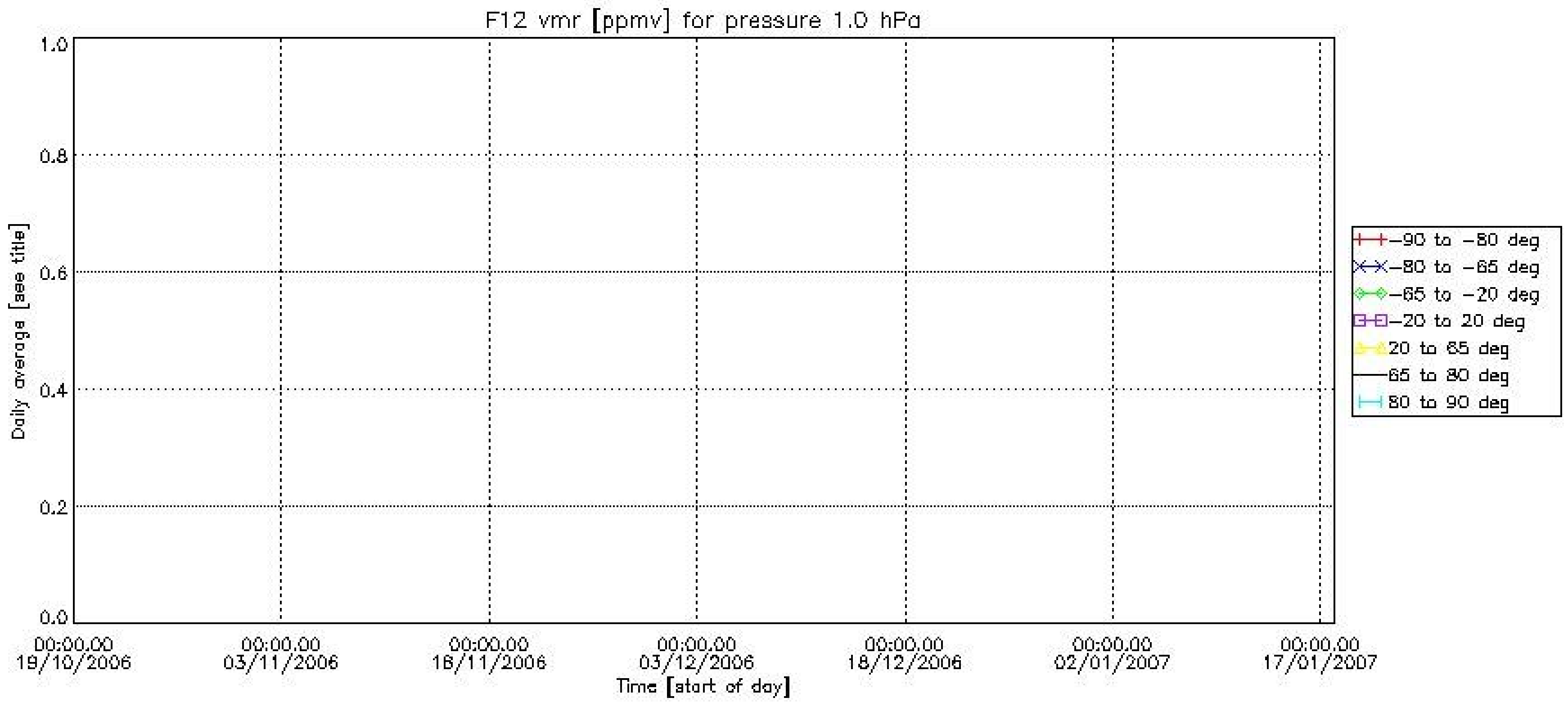

NO2 vmr, sun elev>=0 [ppmv] for pressure 1.0 hPa
Daily average [see title]
0.0007
0.0006
0.0005
0.0004
0.0003
0.0002
0.0001
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
Time [start of day]
-90 to -80 deg
-80 to -65 deg
-65 to -20 deg
-20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg

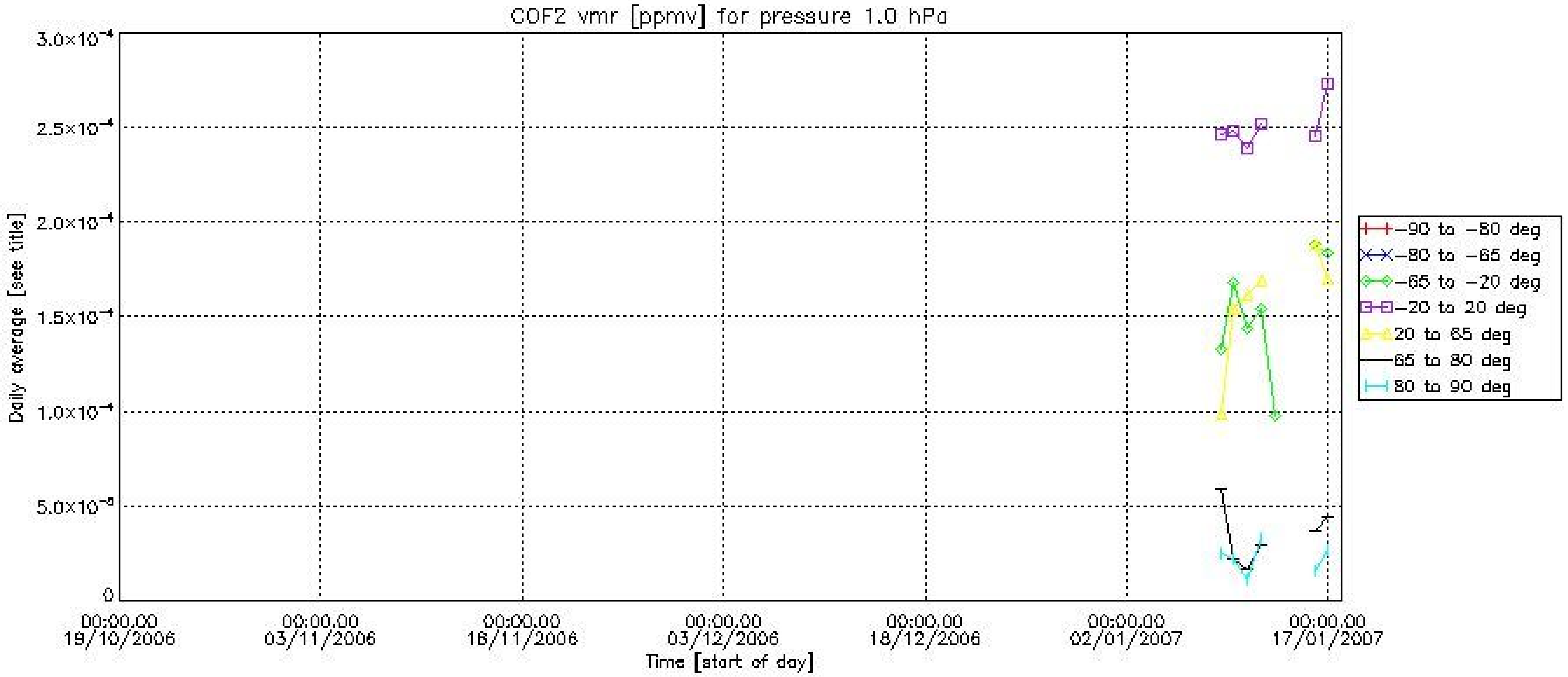

NO2 vmr, sun elev<0 [ppmv] for pressure 1.0 hPa
Daily average [see title]
0.014
0.012
0.010
0.008
0.006
0.004
0.002
0.000
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
Time [start of day]
-90 to -80 deg
-80 to -65 deg
-65 to -20 deg
-20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg


F11 vmr [ppmv] for pressure 1.0 hPa
Daily average [see title]
1.0
0.8
0.6
0.4
0.2
0.0
00:00:00 19/10/2006
00:00:00 03/11/2006
00:00:00 18/11/2006
00:00:00 03/12/2006
00:00:00 18/12/2006
00:00:00 02/01/2007
00:00:00 17/01/2007
Time [start of day]
-90 to -80 deg
-80 to -65 deg
-65 to -20 deg
-20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg

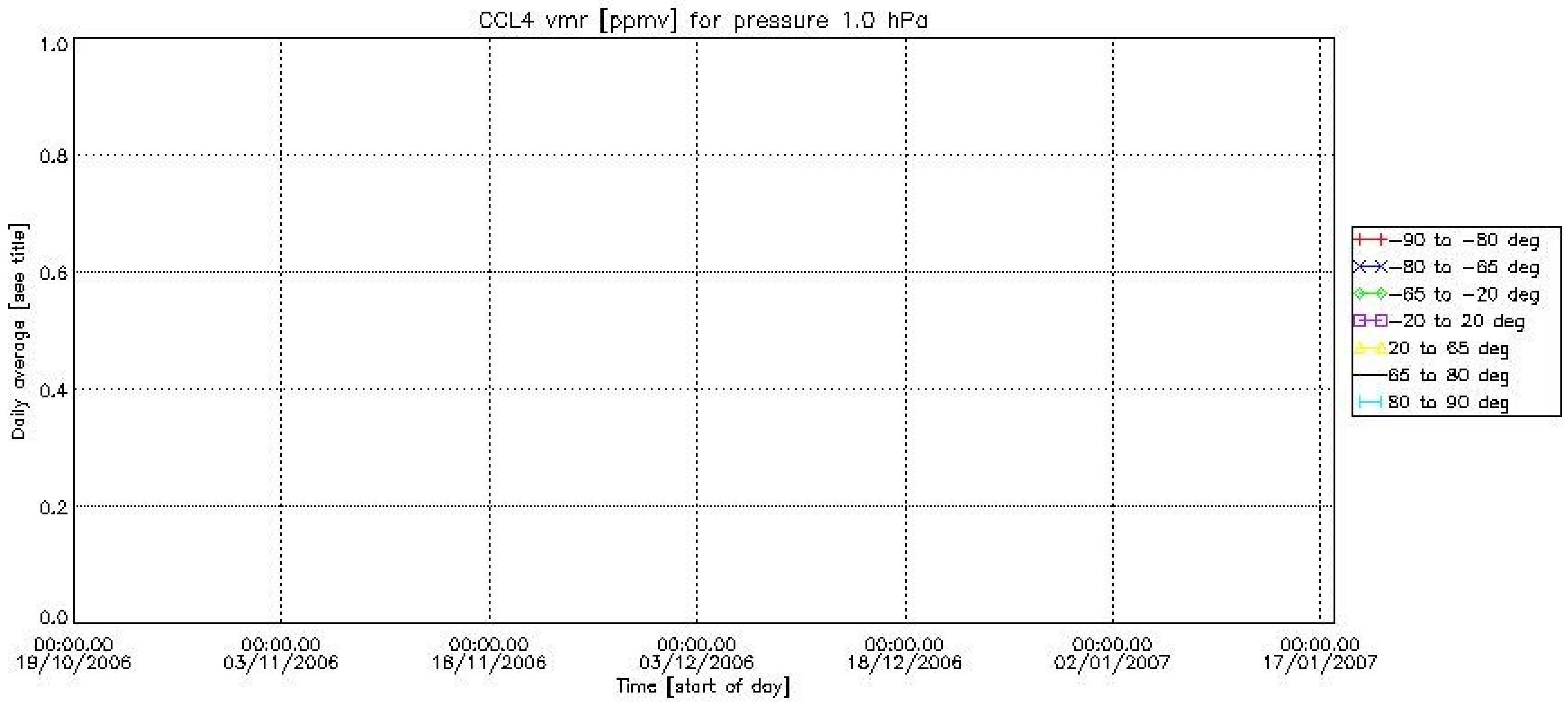

CLNO vmr [ppmv] for pressure 1.0 hPa
Daily average [see title]
1.0
0.8
0.6
0.4
0.2
0.0
00:00:00 19/10/2006
00:00:00 03/11/2006
00:00:00 18/11/2006
00:00:00 03/12/2006
00:00:00 18/12/2006
00:00:00 02/01/2007
00:00:00 17/01/2007
Time [start of day]
-90 to -80 deg
-80 to -65 deg
-65 to -20 deg
-20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg


N2O5 vmr [ppmv] for pressure 1.0 hPa
Daily average [see title]
0.0009
0.0008
0.0007
0.0006
0.0005
0.0004
0.0003
0.0002
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
Time [start of day]
-90 to -80 deg
-80 to -65 deg
-65 to -20 deg
-20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg

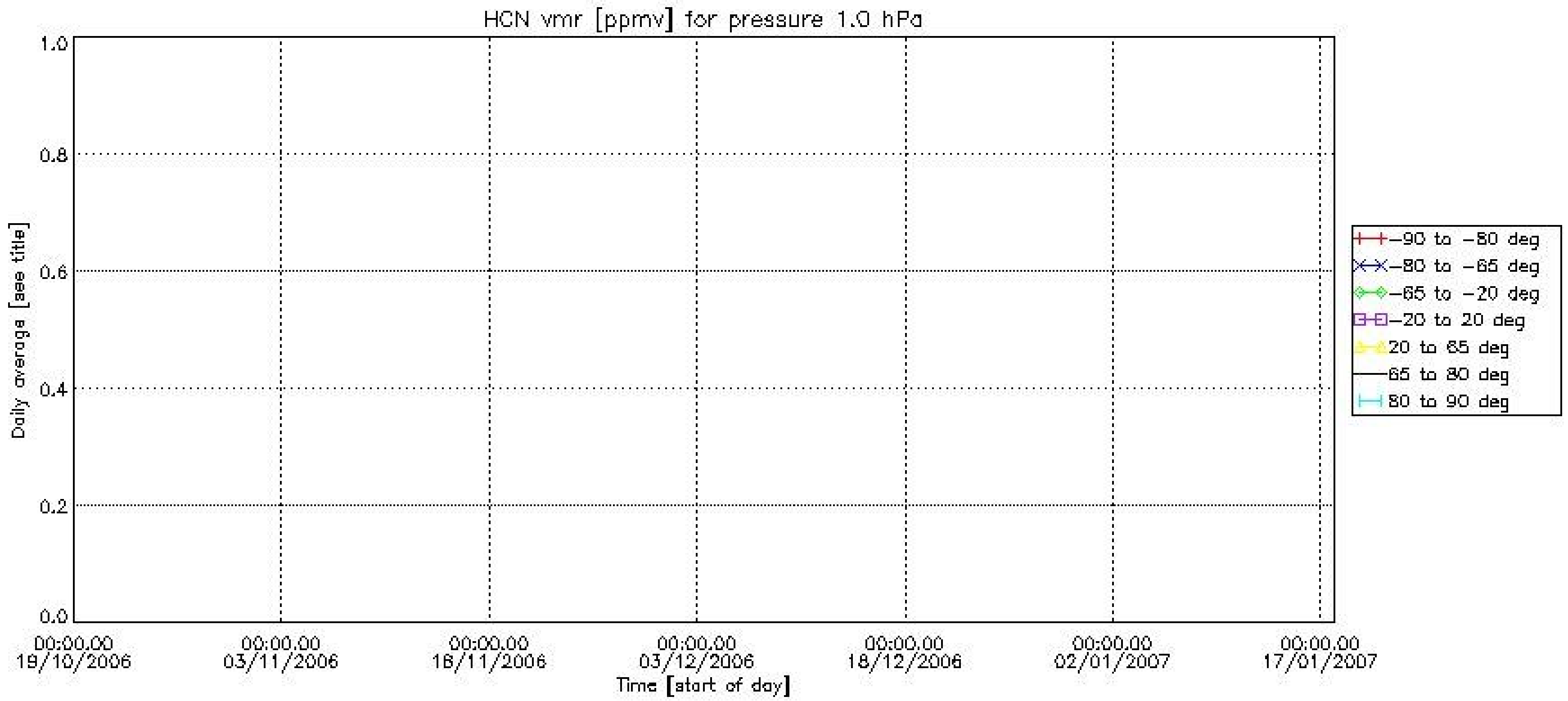

F12 vmr [ppmv] for pressure 1.0 hPa
Daily average [see title]
1.0
0.8
0.6
0.4
0.2
0.0
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
Time [start of day]
-90 to -80 deg
-80 to -65 deg
-65 to -20 deg
-20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg

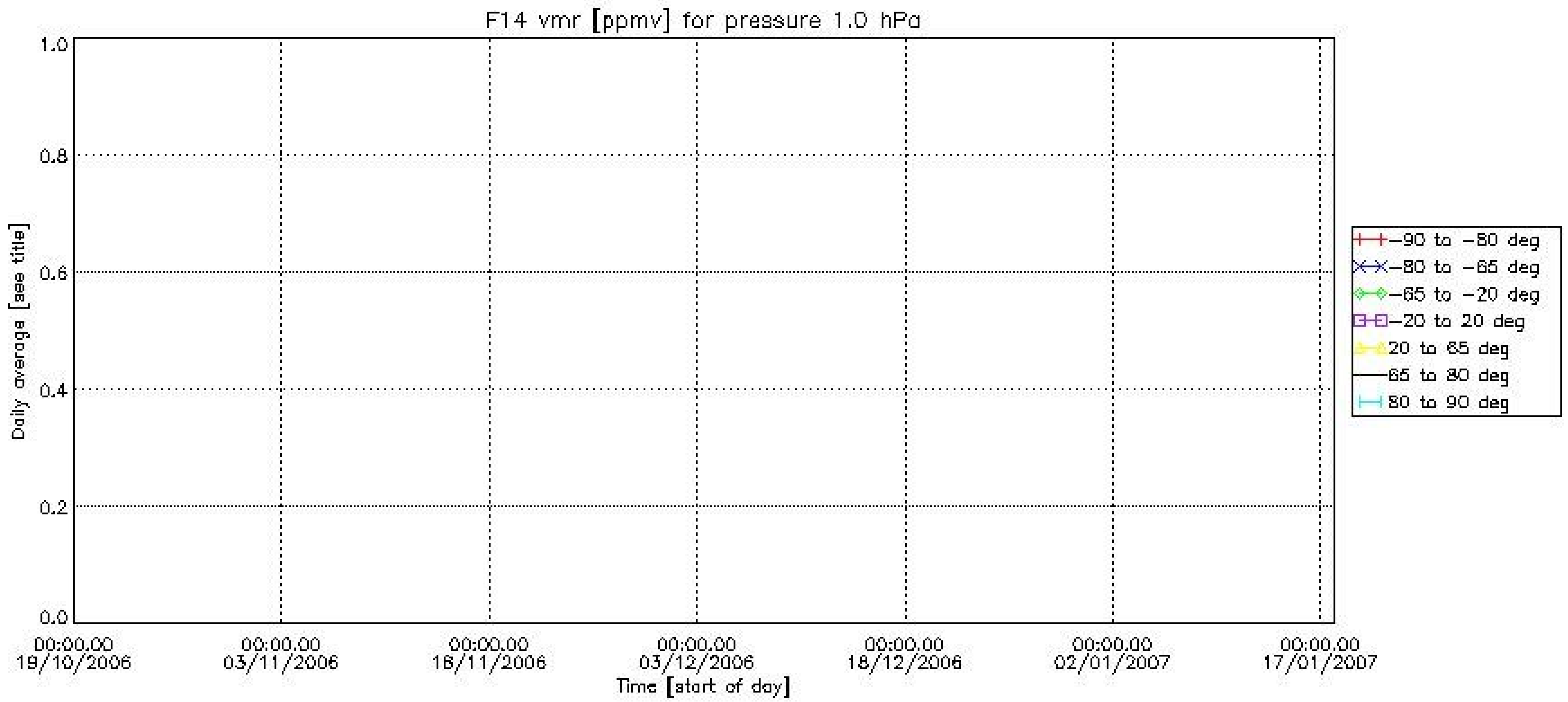


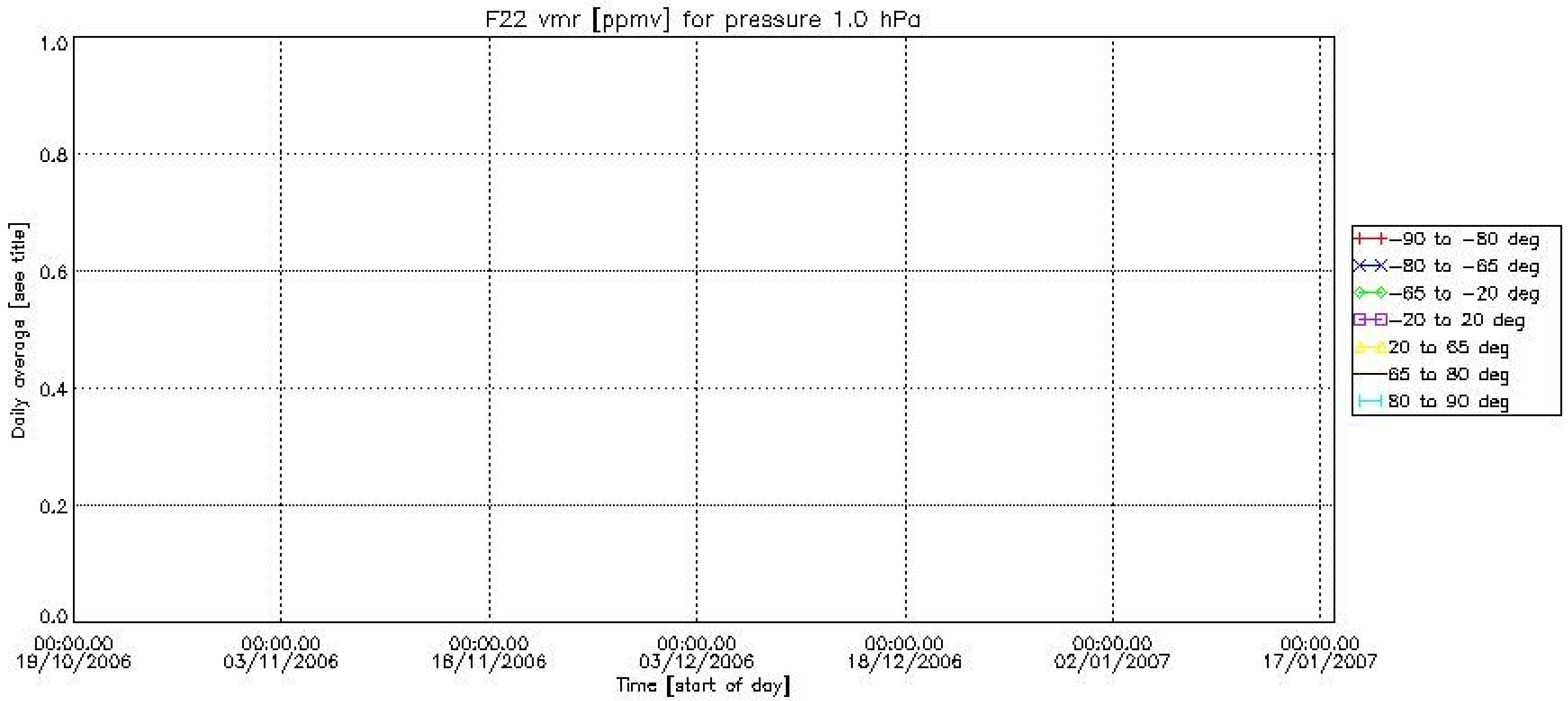
COF2 vmr [ppmv] for pressure 1.0 hPa
Daily average [see title]
3.0×10⁻⁴
2.5×10⁻⁴
2.0×10⁻⁴
1.5×10⁻⁴
1.0×10⁻⁴
5.0×10⁻⁵
0
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
Time [start of day]
-90 to -80 deg
-80 to -65 deg
-65 to -20 deg
-20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg



CCL4 vmr [ppmv] for pressure 1.0 hPa
Daily average [see title]
1.0
0.8
0.6
0.4
0.2
0.0
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
Time [start of day]
-90 to -80 deg
-80 to -65 deg
-65 to -20 deg
-20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg


HCN vmr [ppmv] for pressure 1.0 hPa
Daily average [see title]
1.0
0.8
0.6
0.4
0.2
0.0
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
Time [start of day]
-90 to -80 deg
-80 to -65 deg
-65 to -20 deg
-20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg

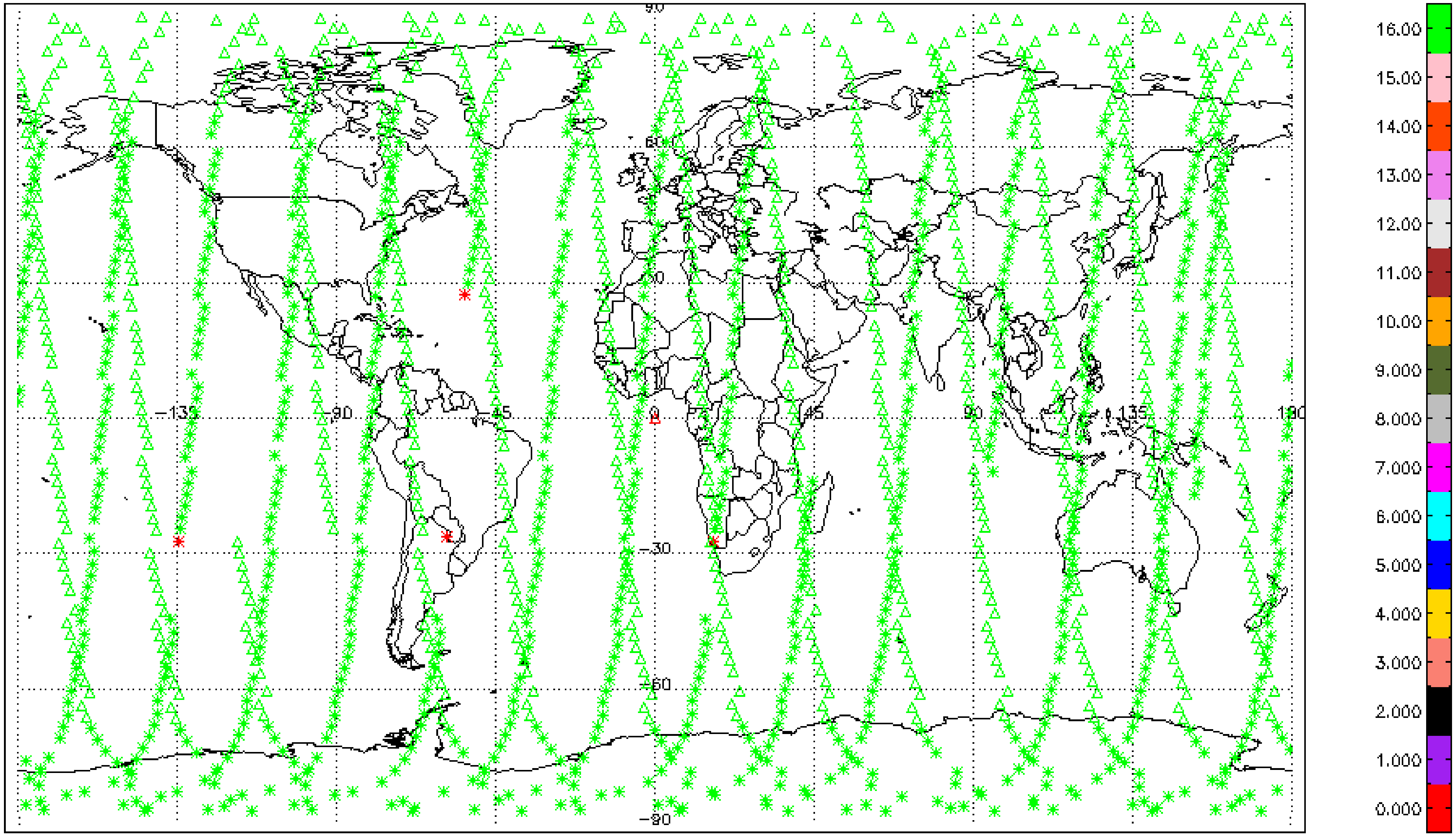

F14 vmr [ppmv] for pressure 1.0 hPa
Daily average [see title]
1.0
0.8
0.6
0.4
0.2
0.0
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
Time [start of day]
-90 to -80 deg
-80 to -65 deg
-65 to -20 deg
-20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg

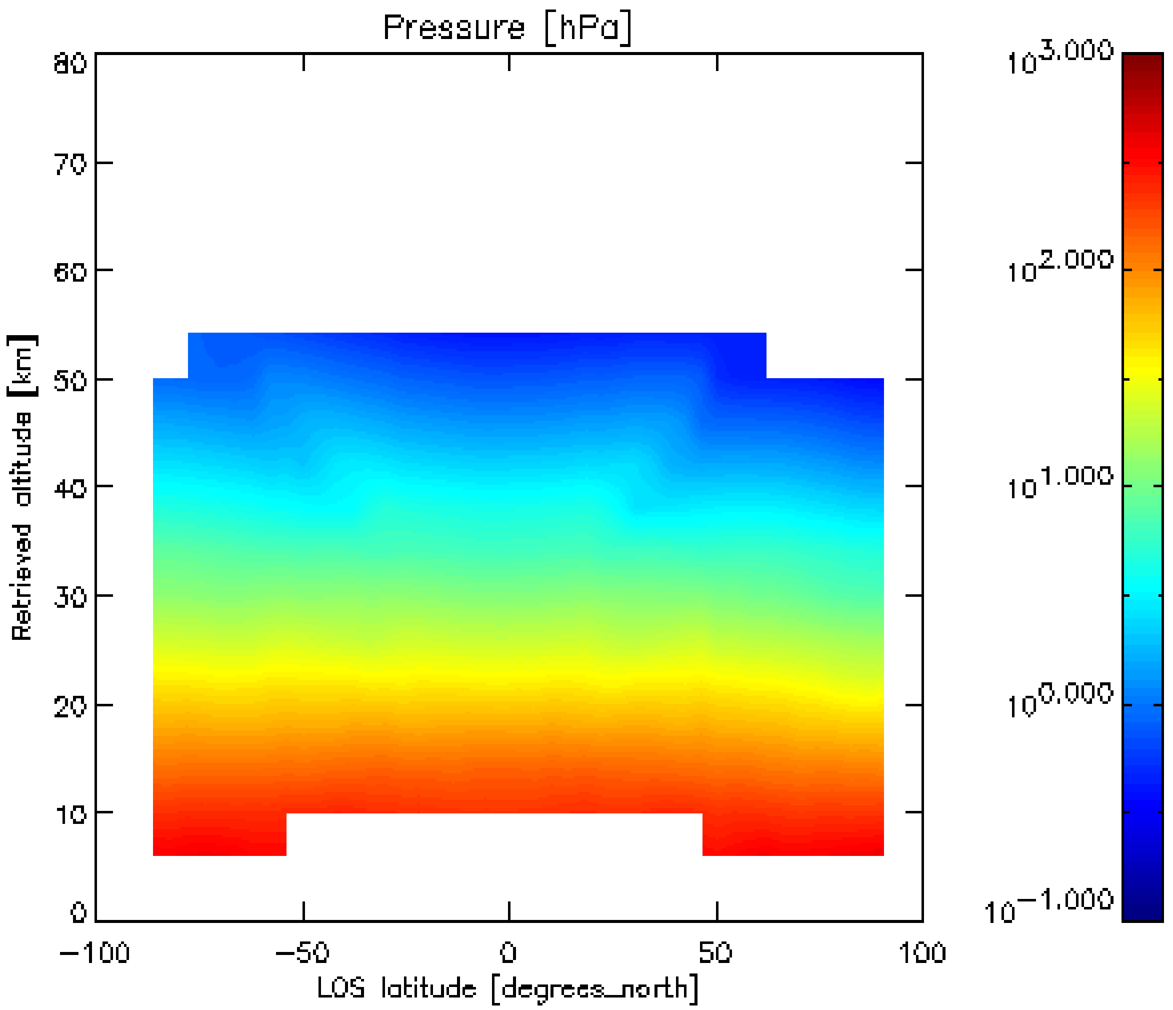


2.2.5.4 Daily average at 0.1 hPa

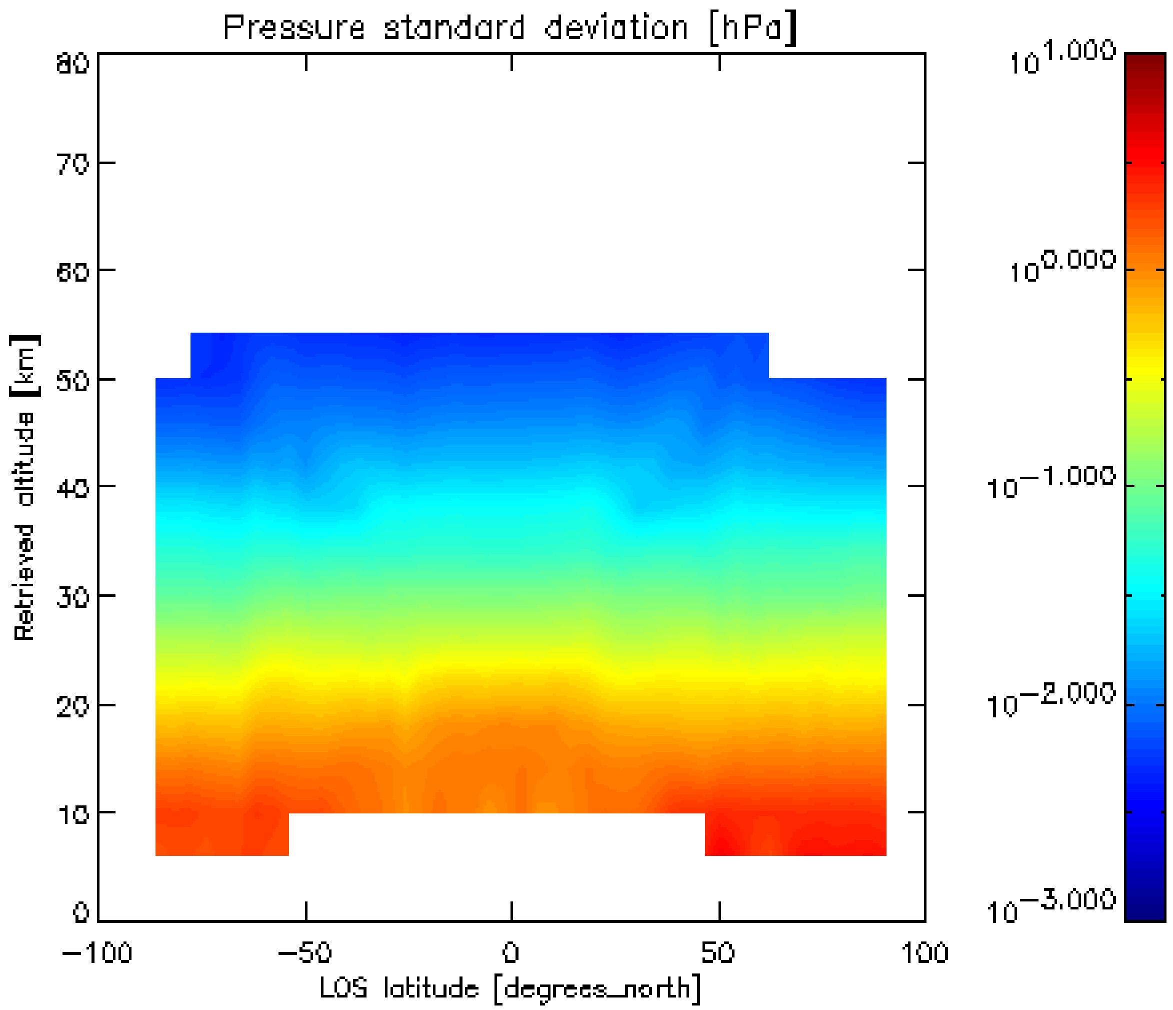
No zonal plots for pressure level 0.10000000 due to unavailability of valid pressure data.

Number of successful retrievals vs. geolocation (*=day side , triangle=night side).

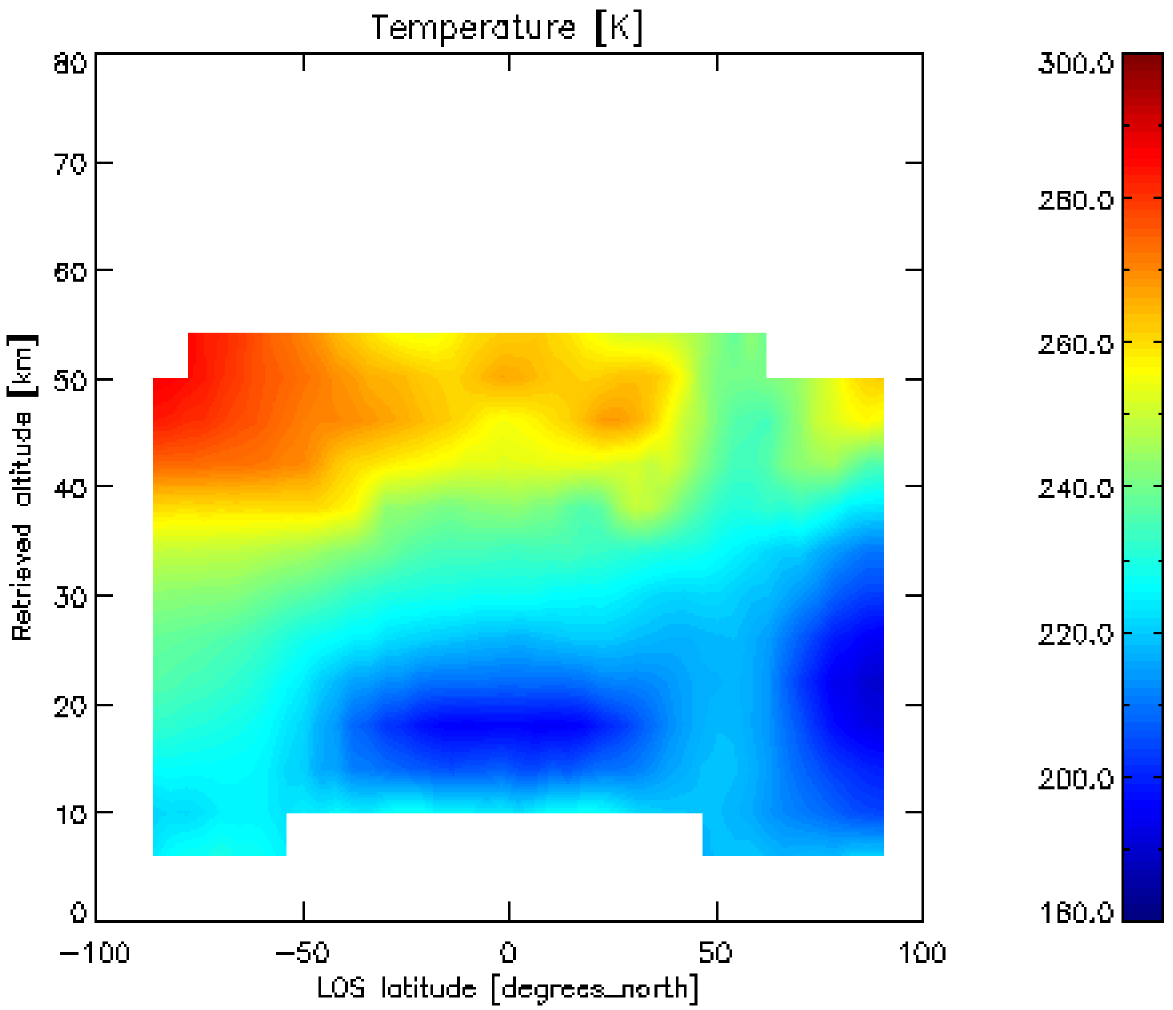


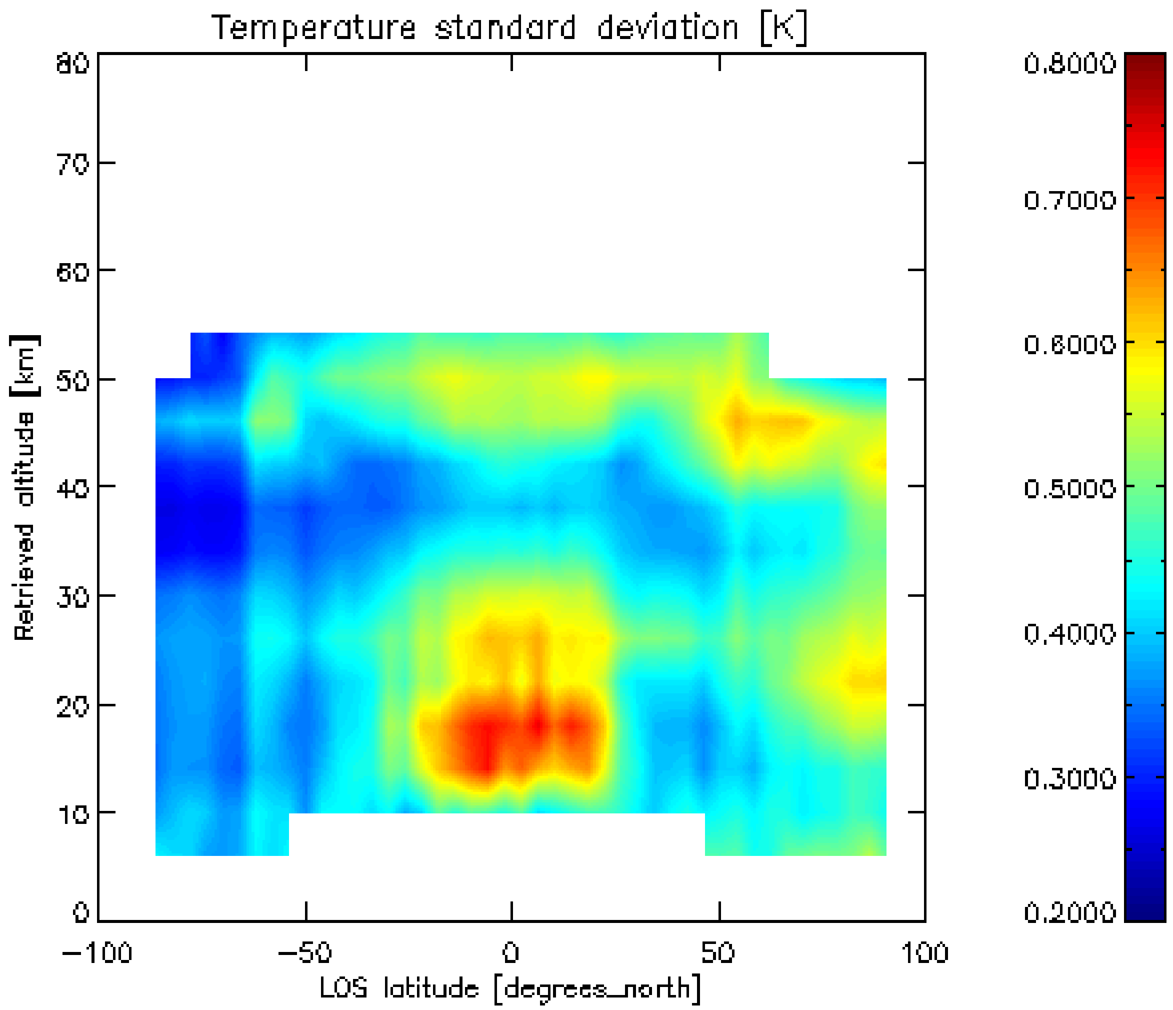


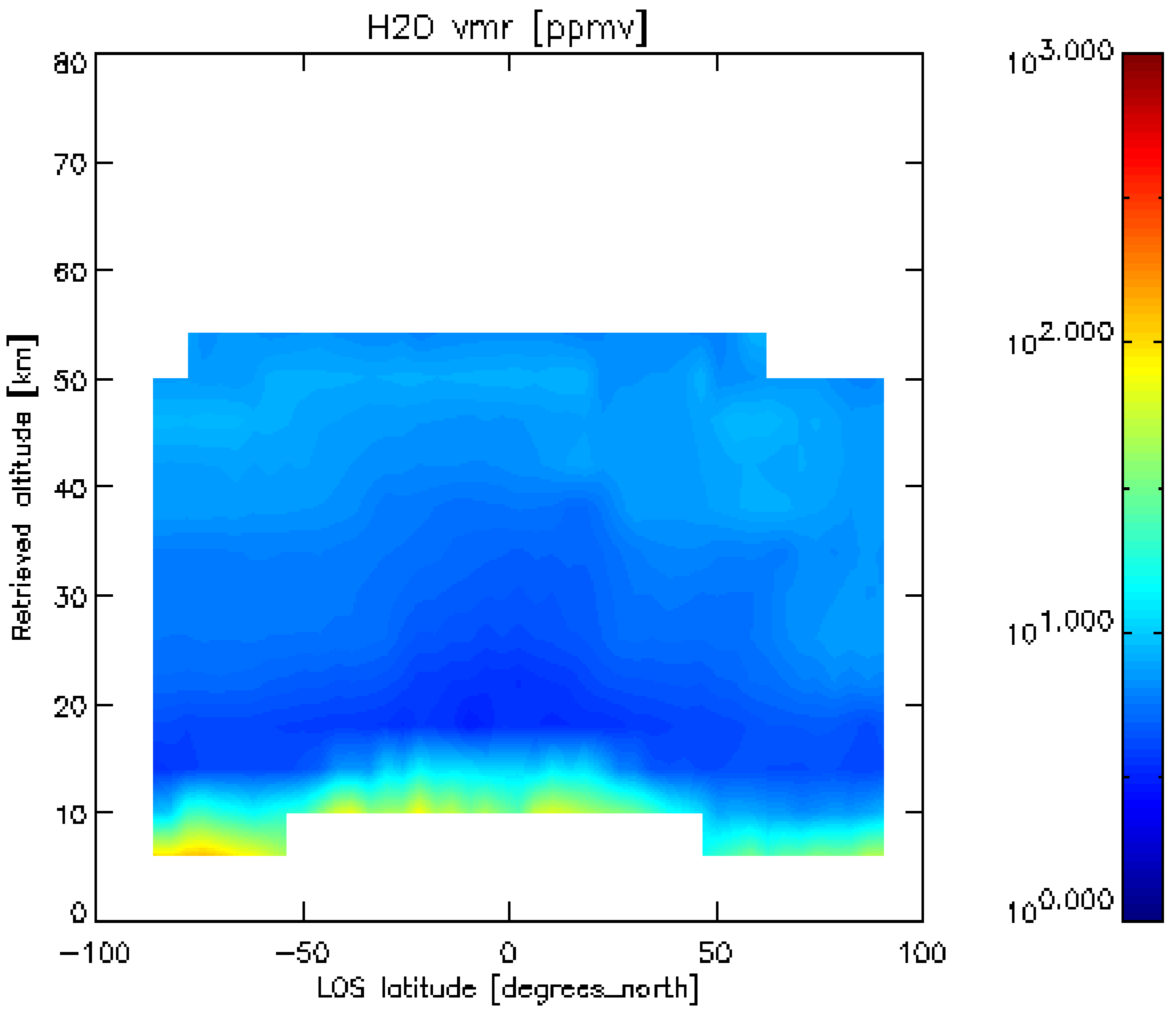
Pressure [hPa]
Retrieved altitude [km]
LOS latitude [degrees_north]

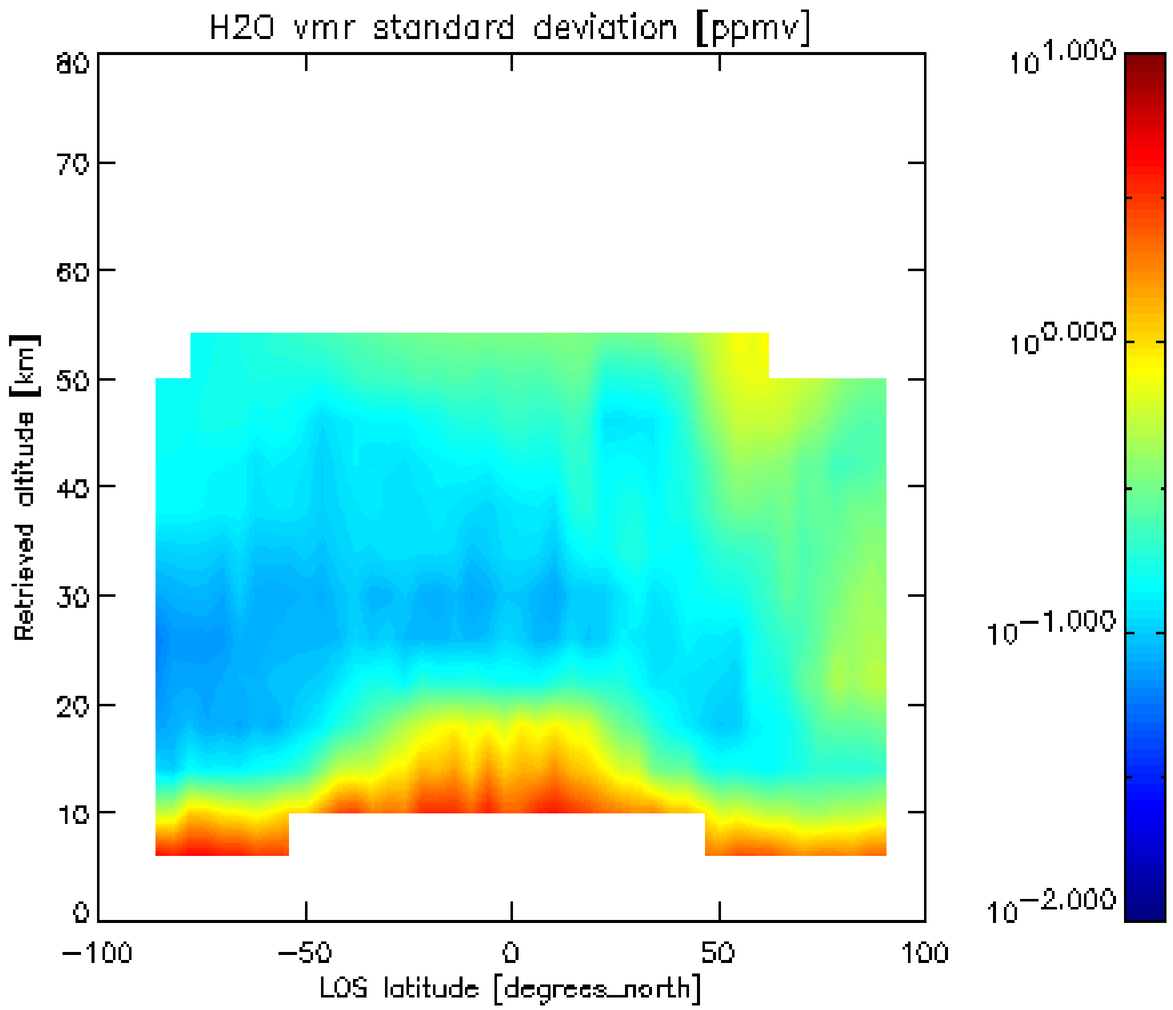


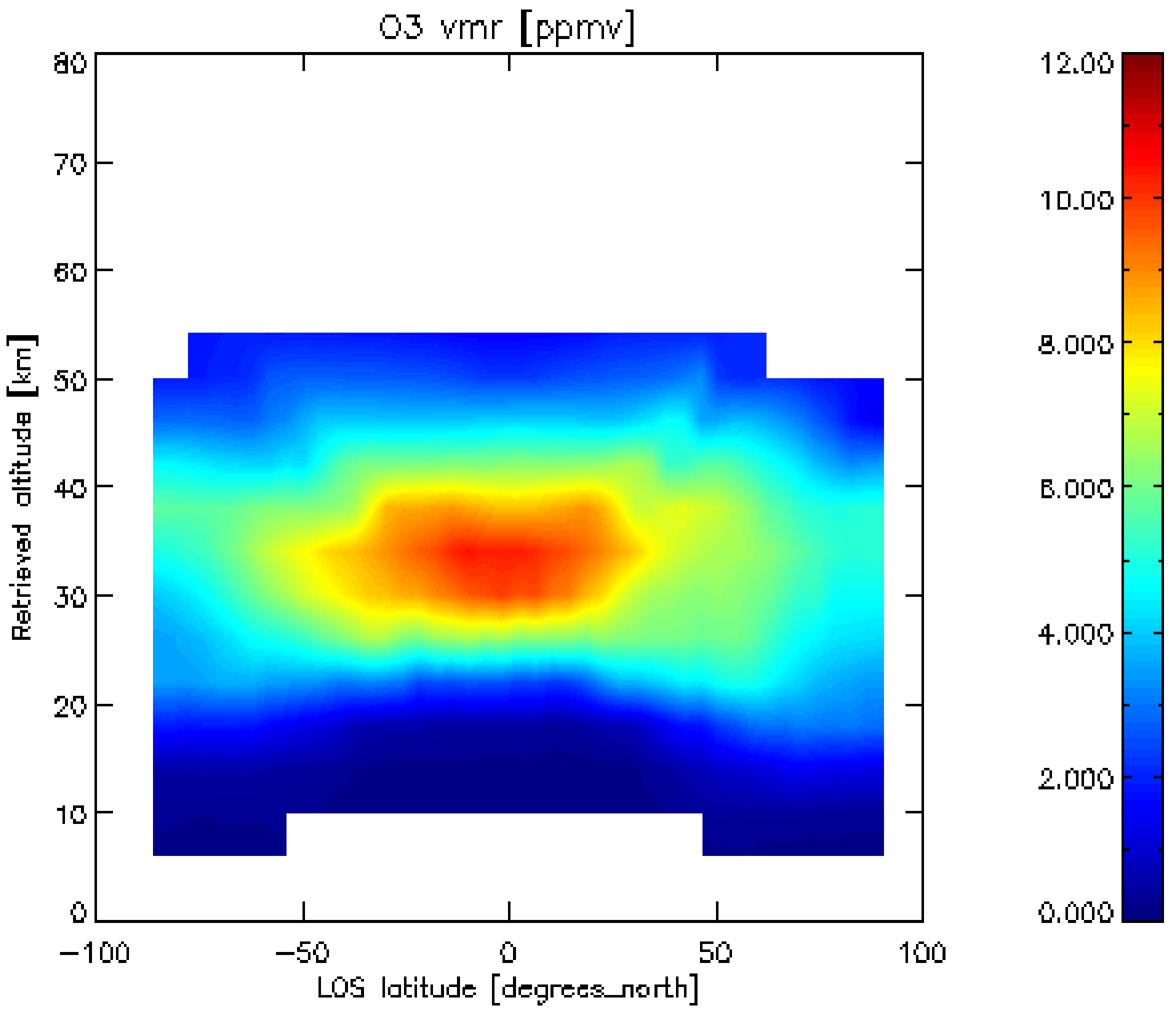
Pressure standard deviation [hPa]
Retrieved altitude [km]
LOS latitude [degrees_north]

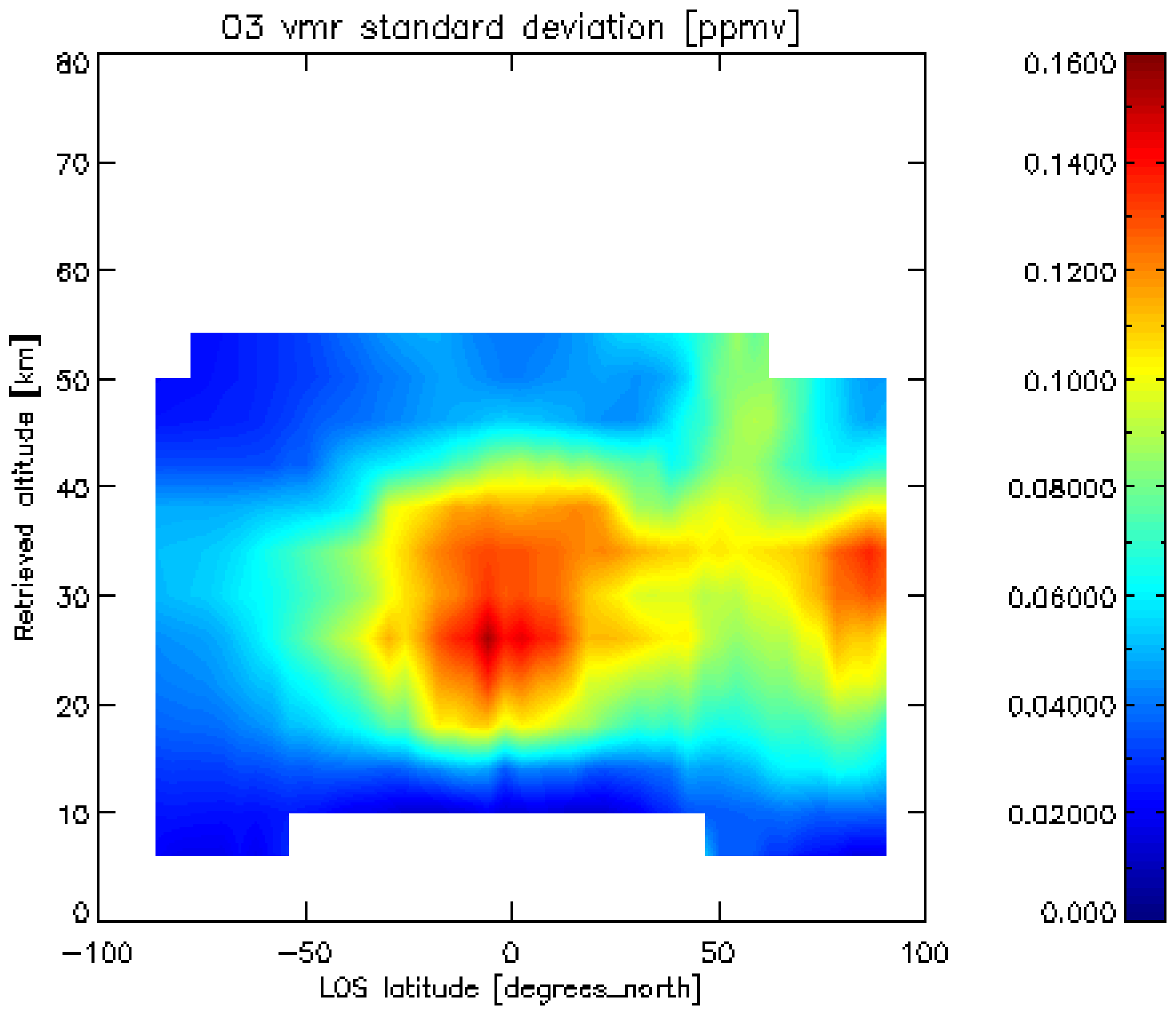

Temperature [K]
Retrieved altitude [km]
LOS latitude [degrees_north]
80
70
60
50
40
30
20
10
0
−100
−50
0
50
100
300.0
280.0
260.0
240.0
220.0
200.0
180.0

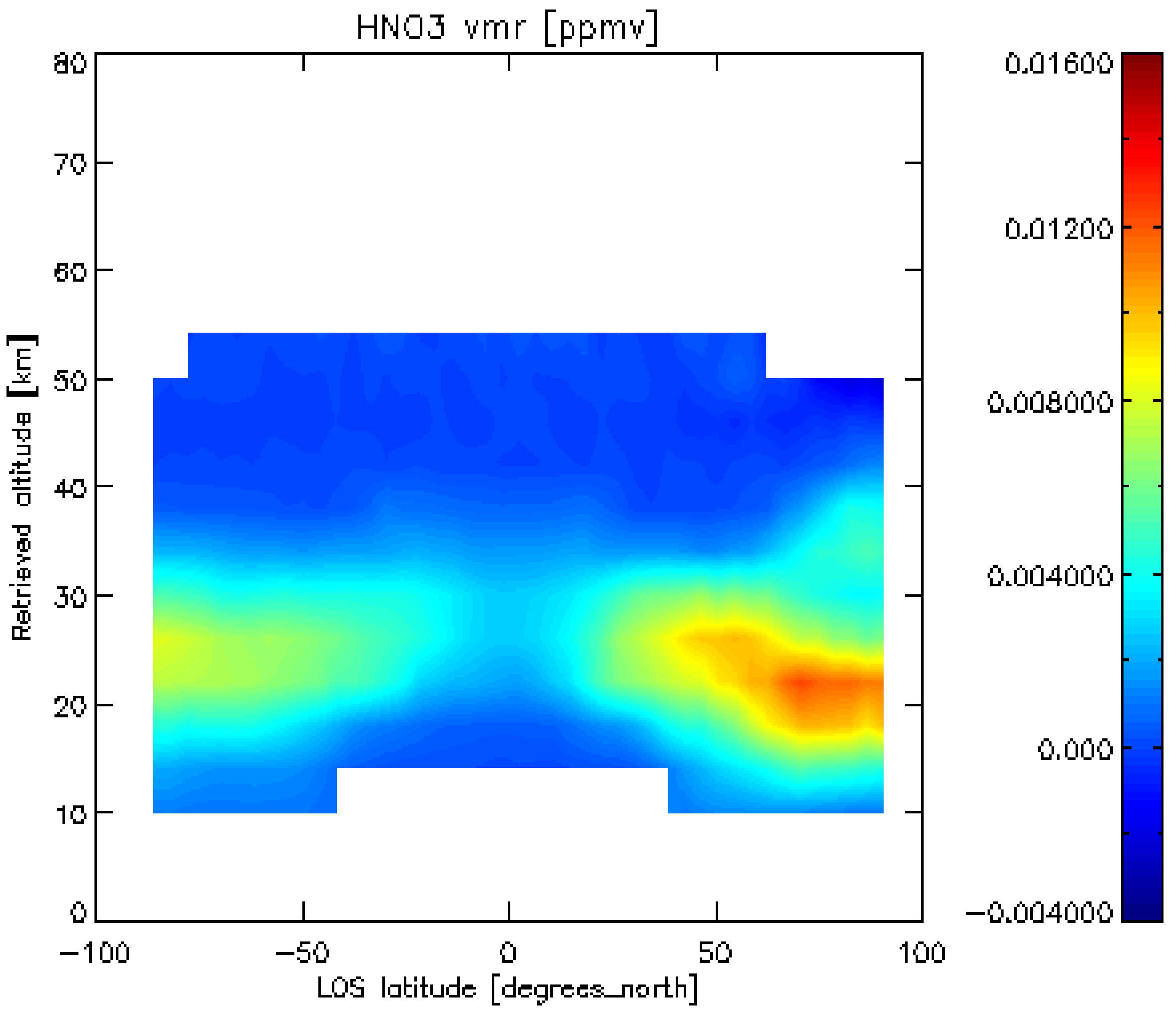

Temperature standard deviation [K]
Retrieved altitude [km]
LOS latitude [degrees_north]
80
70
60
50
40
30
20
10
0
−100
−50
0
50
100
0.8000
0.7000
0.6000
0.5000
0.4000
0.3000
0.2000

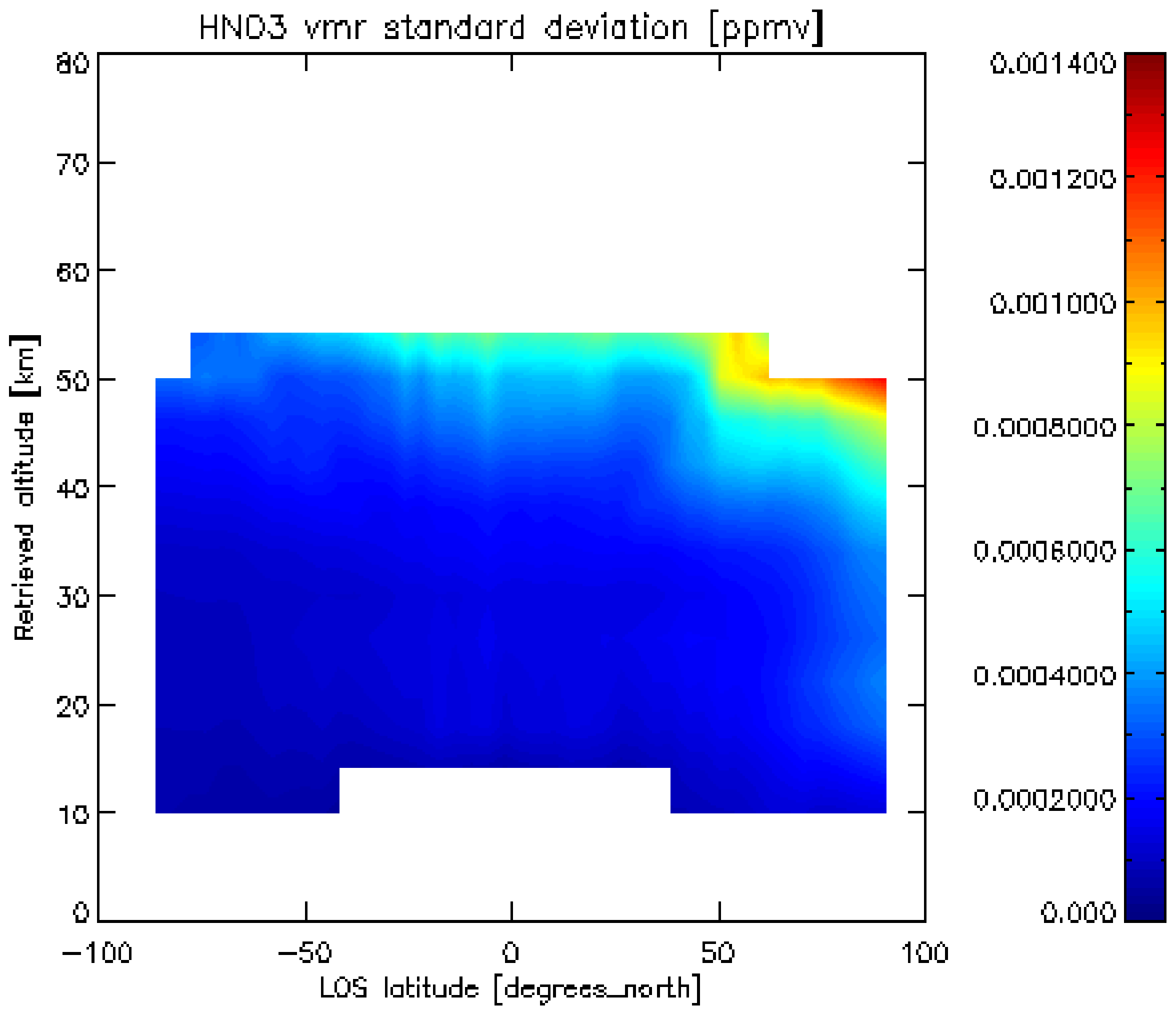

H2O vmr [ppmv]
Retrieved altitude [km]
LOS latitude [degrees_north]
0
10
20
30
40
50
60
70
80
−100
−50
0
50
100
$10^{3.000}$
$10^{2.000}$
$10^{1.000}$
$10^{0.000}$

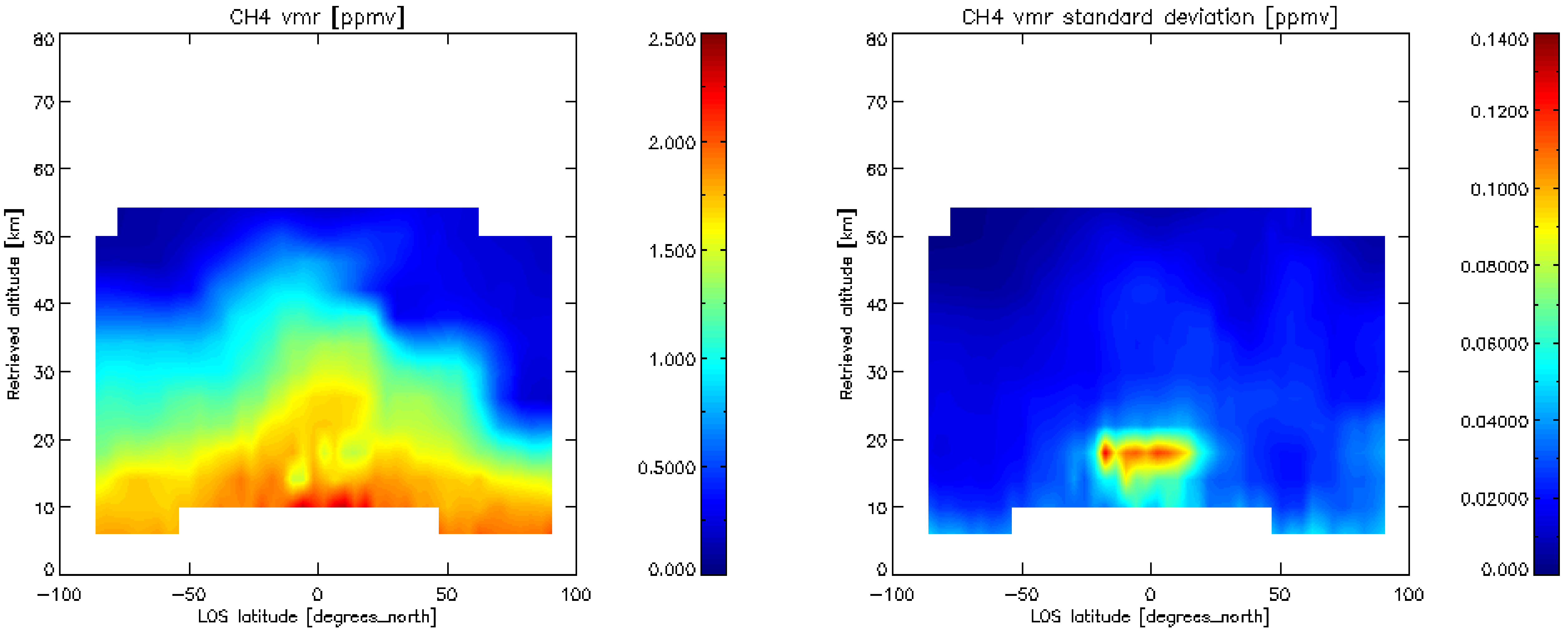

H2O vmr standard deviation [ppmv]
Retrieved altitude [km]
LOS latitude [degrees_north]
0
10
20
30
40
50
60
70
80
−100
−50
0
50
100
$10^{1.000}$
$10^{0.000}$
$10^{-1.000}$
$10^{-2.000}$


O3 vmr [ppmv]
80
70
60
50
40
30
20
10
0
Retrieved altitude [km]
−100
−50
0
50
100
LOS latitude [degrees_north]
12.00
10.00
8.000
6.000
4.000
2.000
0.000

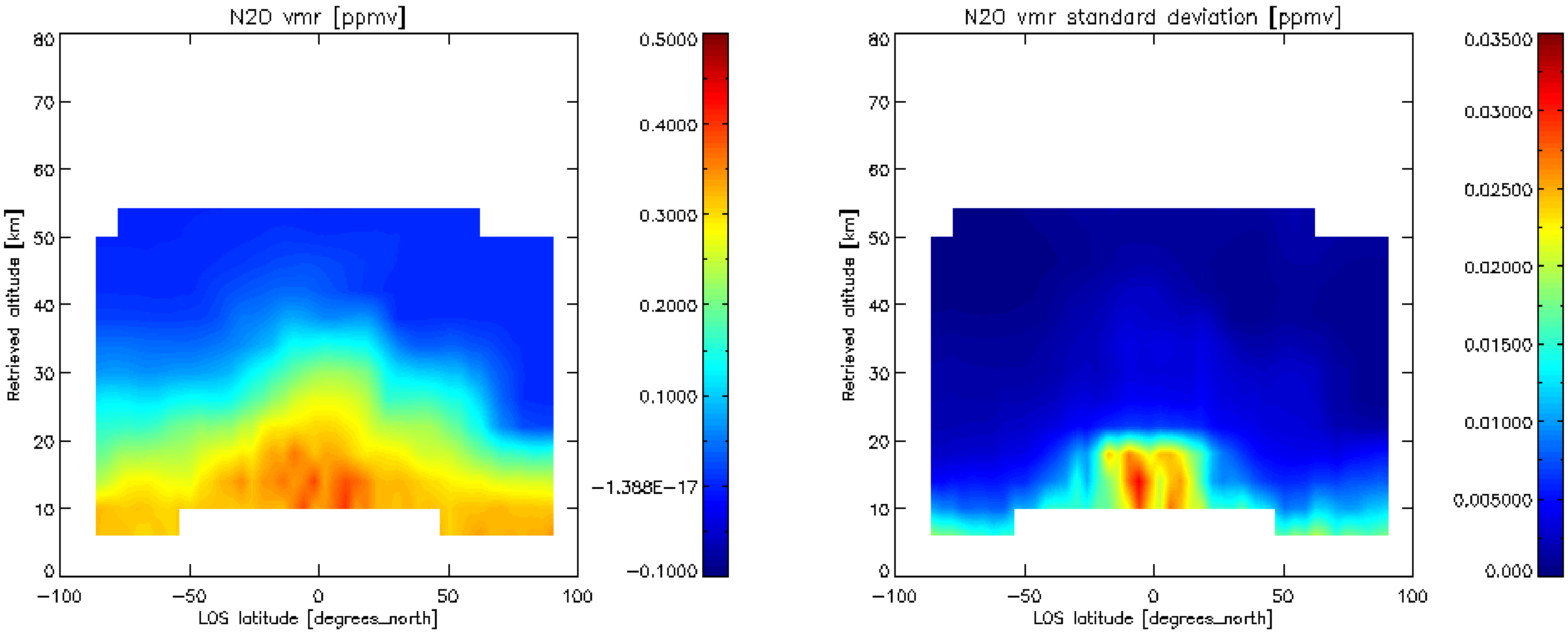

O3 vmr standard deviation [ppmv]
80
70
60
50
40
30
20
10
0
Retrieved altitude [km]
−100
−50
0
50
100
LOS latitude [degrees_north]
0.1600
0.1400
0.1200
0.1000
0.08000
0.06000
0.04000
0.02000
0.000

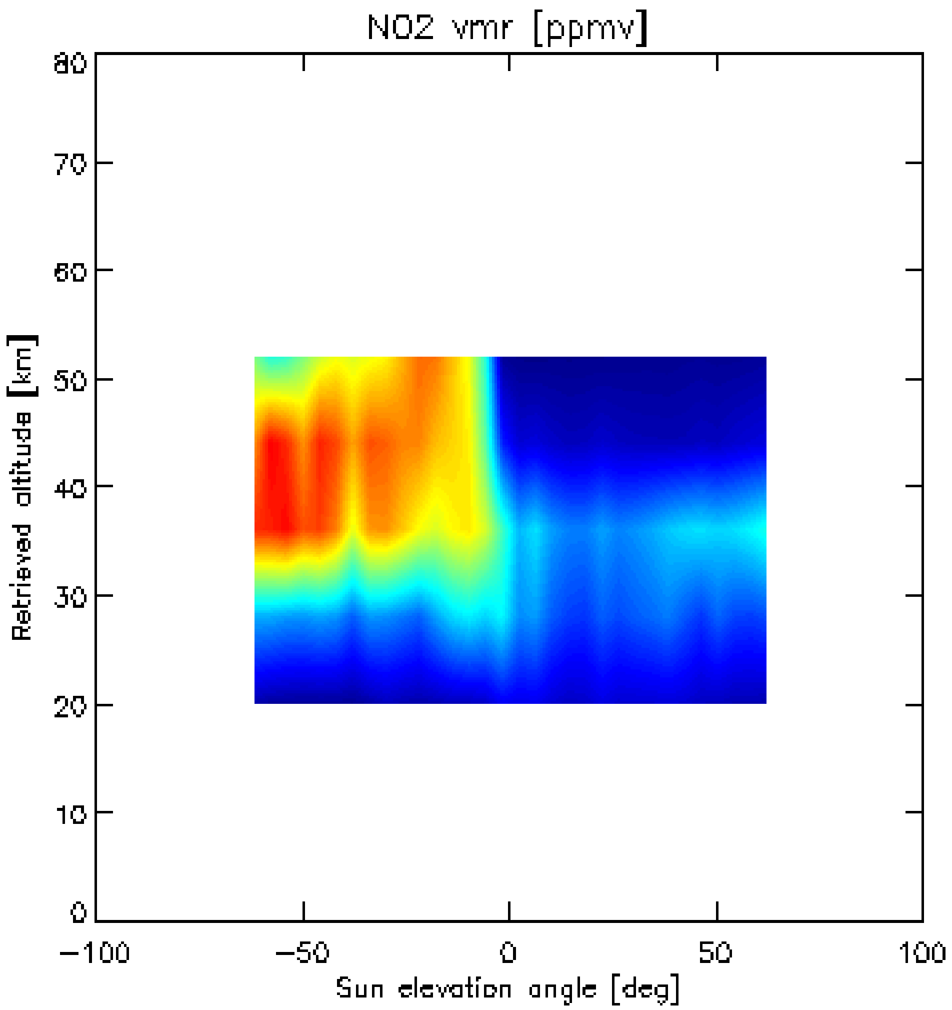

HNO3 vmr [ppmv]
Retrieved altitude [km]
LOS latitude [degrees_north]
0.01600
0.01200
0.008000
0.004000
0.000
−0.004000

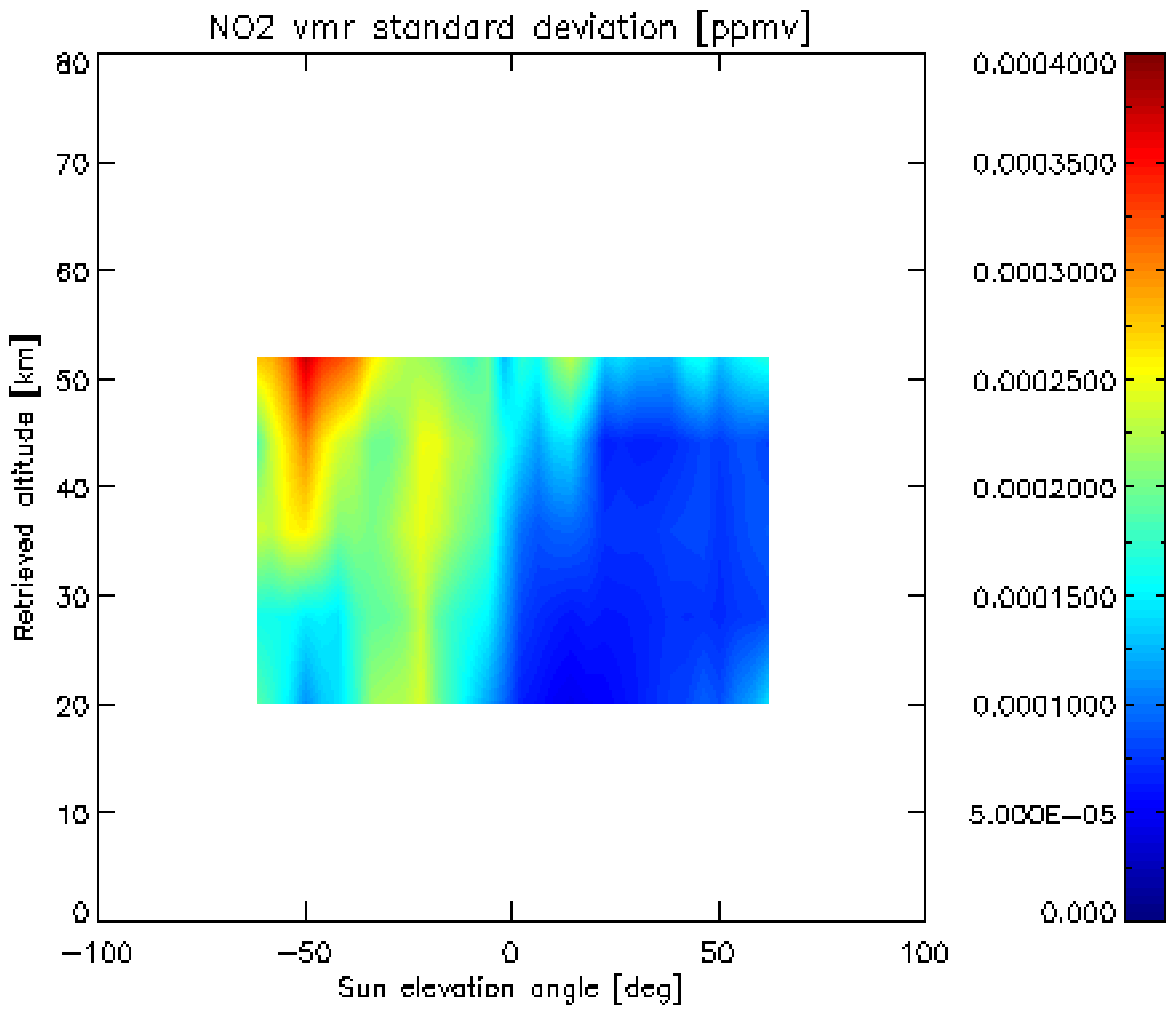

HNO3 vmr standard deviation [ppmv]
Retrieved altitude [km]
LOS latitude [degrees_north]
0.001400
0.001200
0.001000
0.0008000
0.0006000
0.0004000
0.0002000
0.000

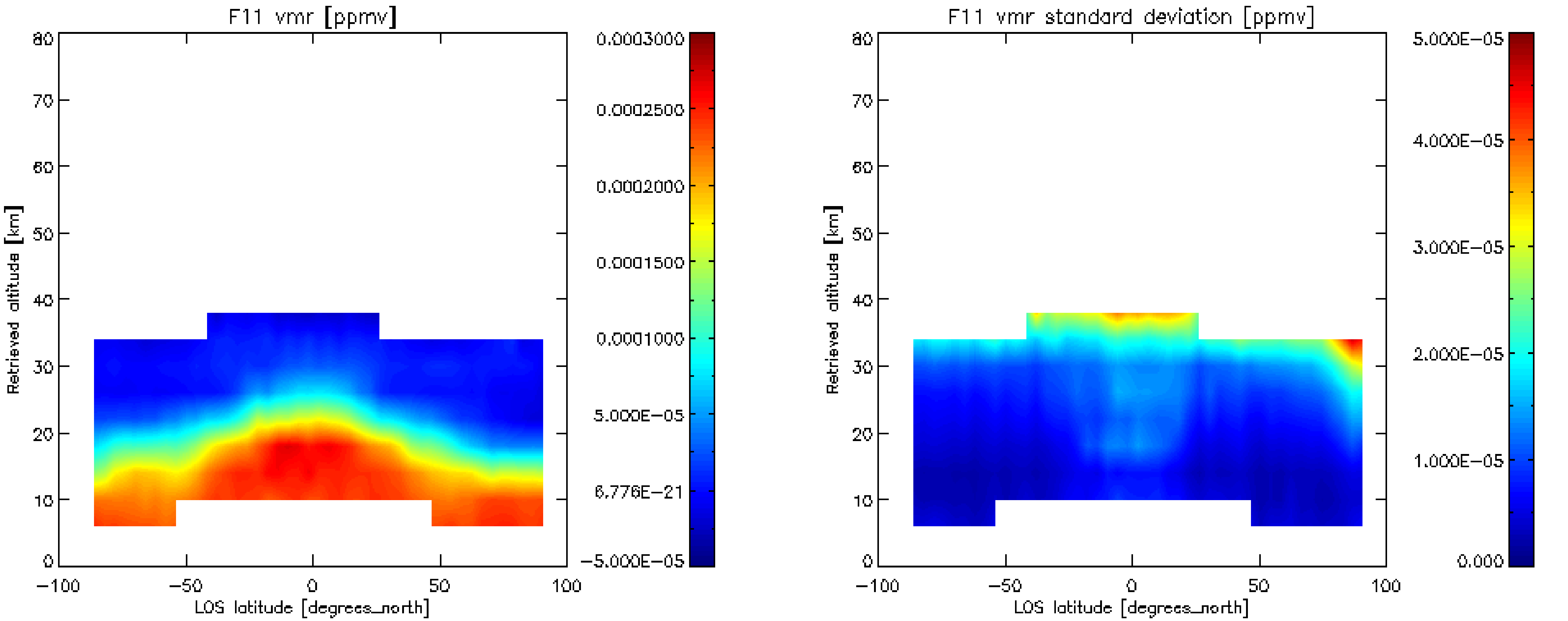


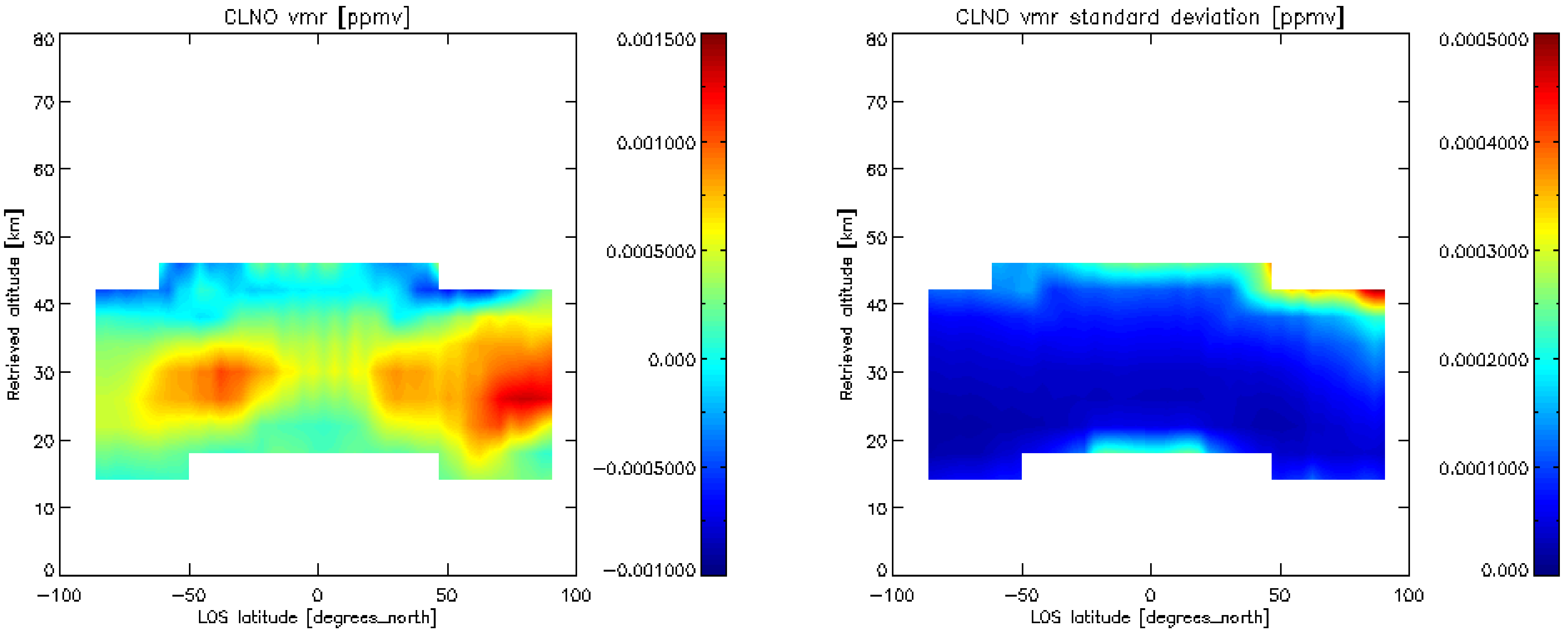
CH4 vmr [ppmv]
Retrieved altitude [km]
LOS latitude [degrees_north]
0
10
20
30
40
50
60
70
80
−100
−50
0
50
100
0.000
0.5000
1.000
1.500
2.000
2.500
CH4 vmr standard deviation [ppmv]
Retrieved altitude [km]
LOS latitude [degrees_north]
0.000
0.02000
0.04000
0.06000
0.08000
0.1000
0.1200
0.1400

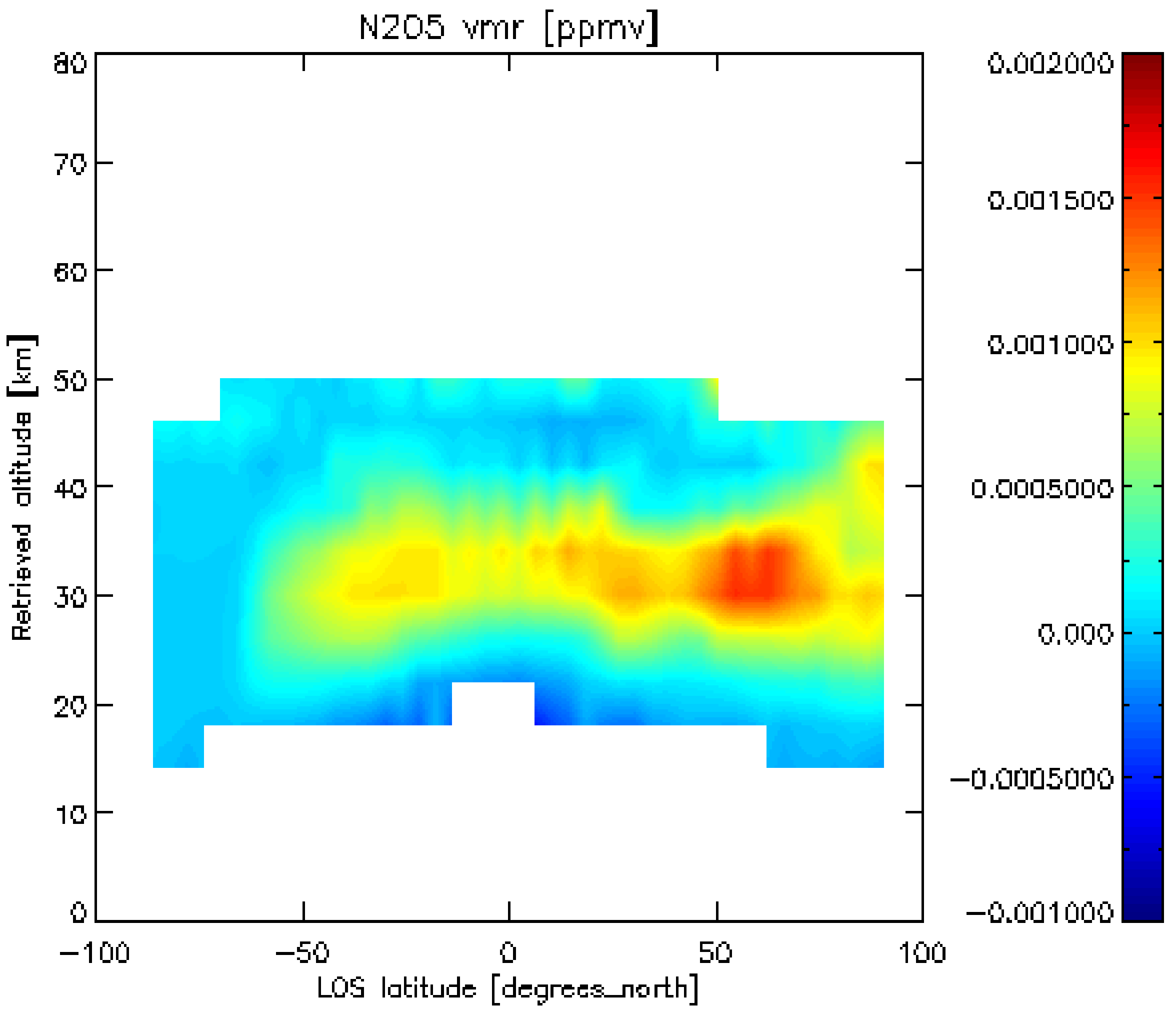

N2O vmr [ppmv]
Retrieved altitude [km]
LOS latitude [degrees_north]
0.5000
0.4000
0.3000
0.2000
0.1000
−1.388E−17
−0.1000
N2O vmr standard deviation [ppmv]
0.03500
0.03000
0.02500
0.02000
0.01500
0.01000
0.005000
0.000


NO2 vmr [ppmv]
Retrieved altitude [km]
Sun elevation angle [deg]
0.01400
0.01200
0.01000
0.008000
0.006000
0.004000
0.002000
0.000

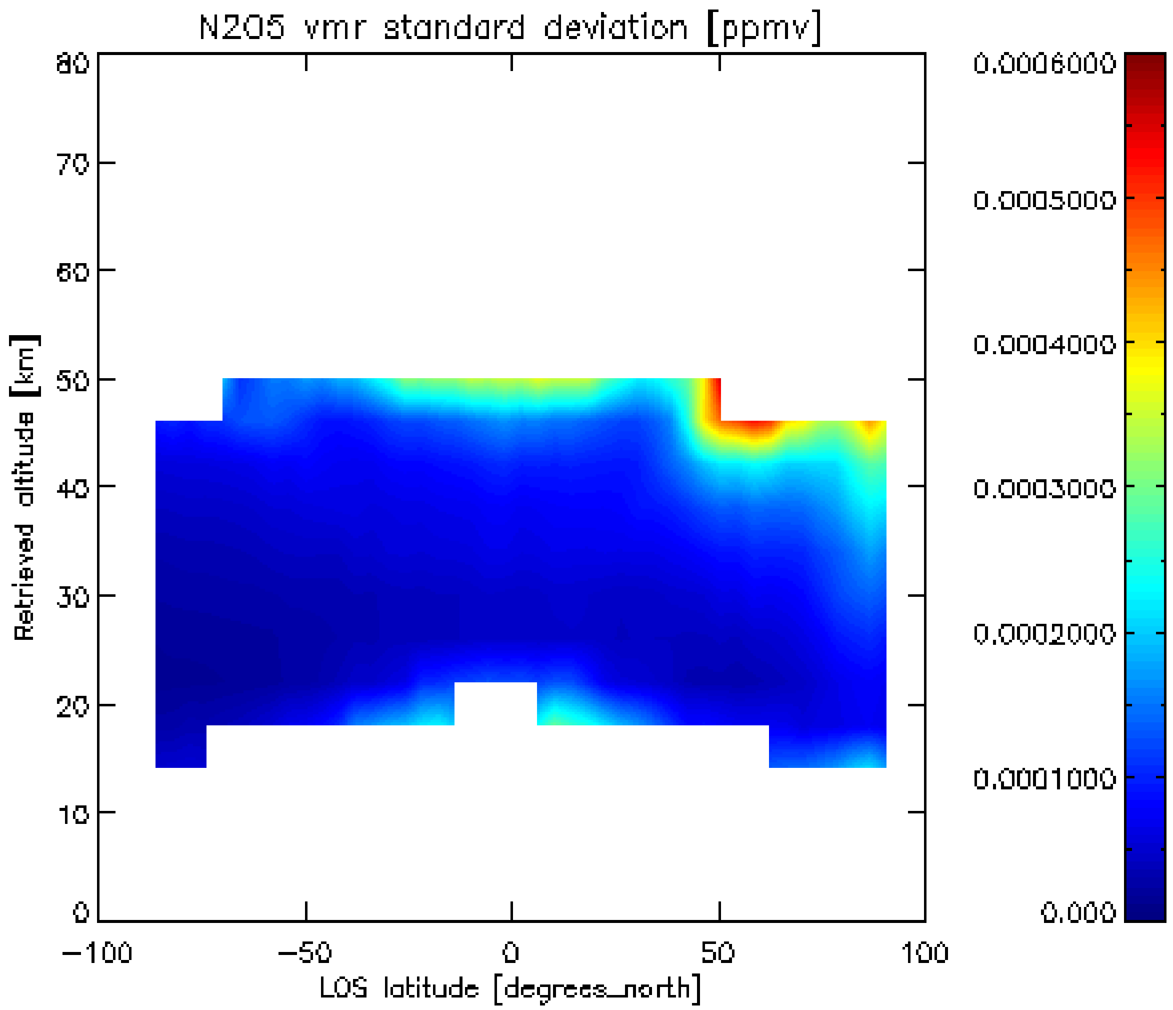

NO2 vmr standard deviation [ppmv]
Retrieved altitude [km]
Sun elevation angle [deg]
0.0004000
0.0003500
0.0003000
0.0002500
0.0002000
0.0001500
0.0001000
5.000E−05
0.000


F11 vmr [ppmv]
Retrieved altitude [km]
LOS latitude [degrees_north]
0.0003000
0.0002500
0.0002000
0.0001500
0.0001000
5.000E-05
6.776E-21
-5.000E-05
F11 vmr standard deviation [ppmv]
Retrieved altitude [km]
LOS latitude [degrees_north]
5.000E-05
4.000E-05
3.000E-05
2.000E-05
1.000E-05
0.000

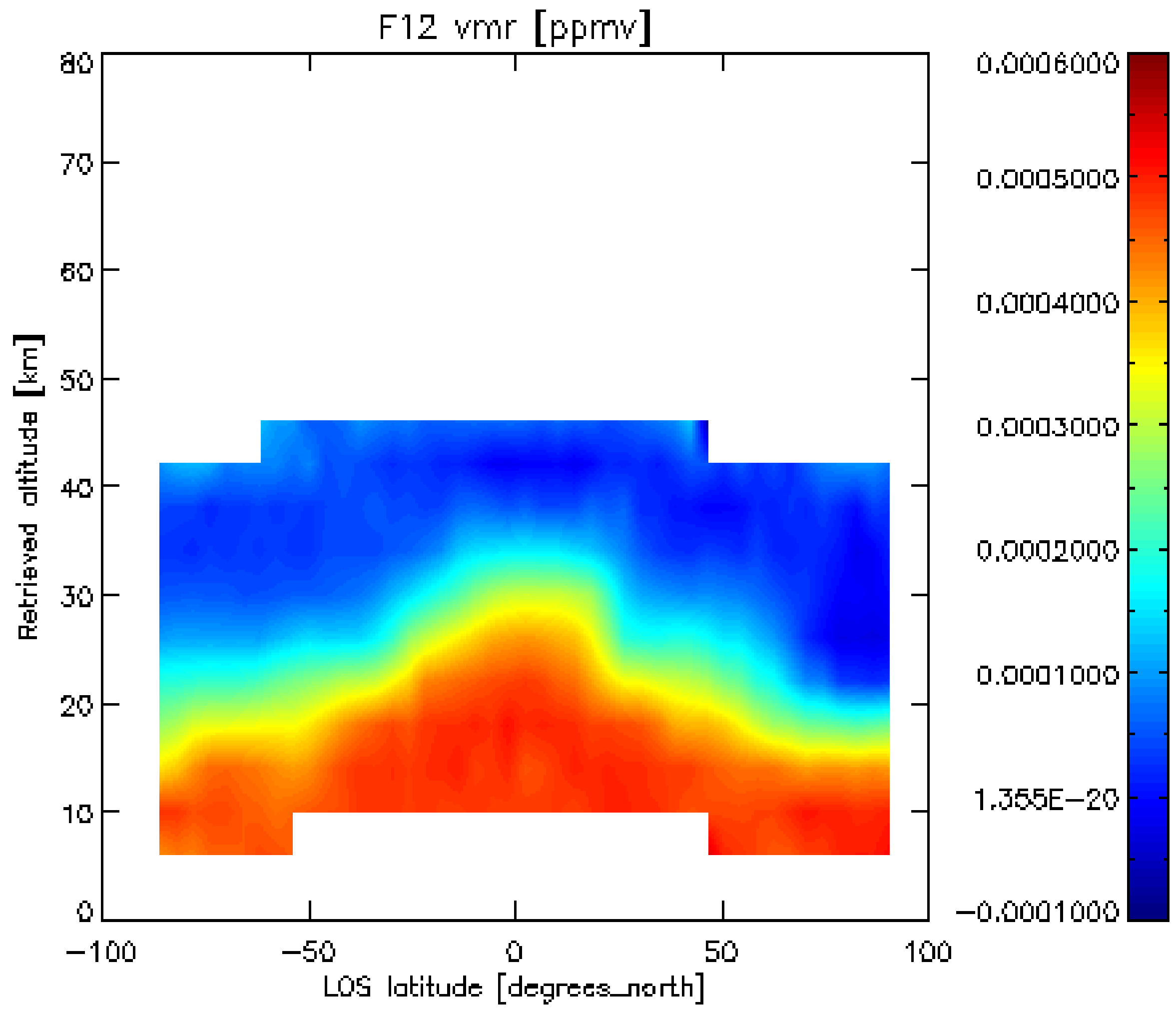

CLNO vmr [ppmv]
Retrieved altitude [km]
LOS latitude [degrees_north]
0.001500
0.001000
0.0005000
0.000
−0.0005000
−0.001000
CLNO vmr standard deviation [ppmv]
Retrieved altitude [km]
LOS latitude [degrees_north]
0.0005000
0.0004000
0.0003000
0.0002000
0.0001000
0.000

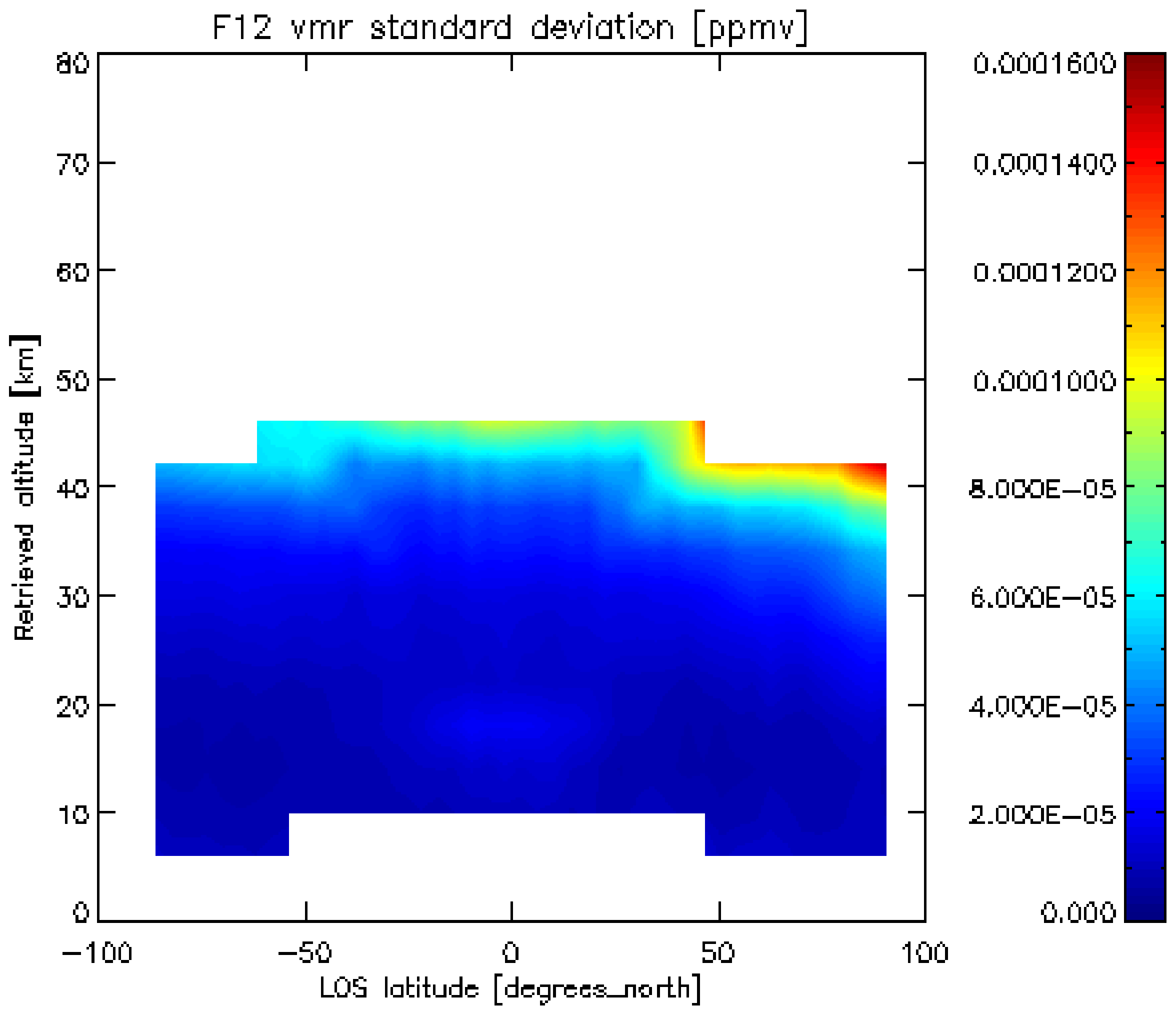


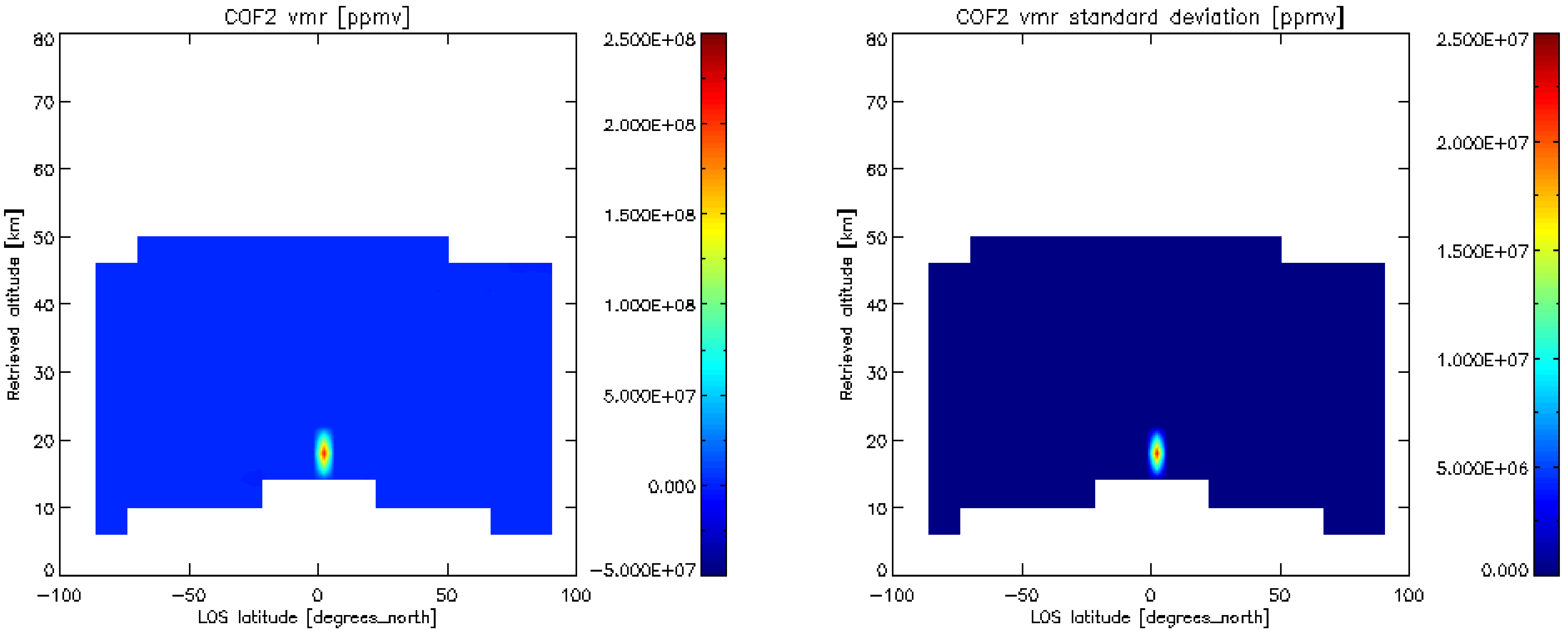
N2O5 vmr [ppmv]
Retrieved altitude [km]
LOS latitude [degrees_north]
0.002000
0.001500
0.001000
0.0005000
0.000
−0.0005000
−0.001000

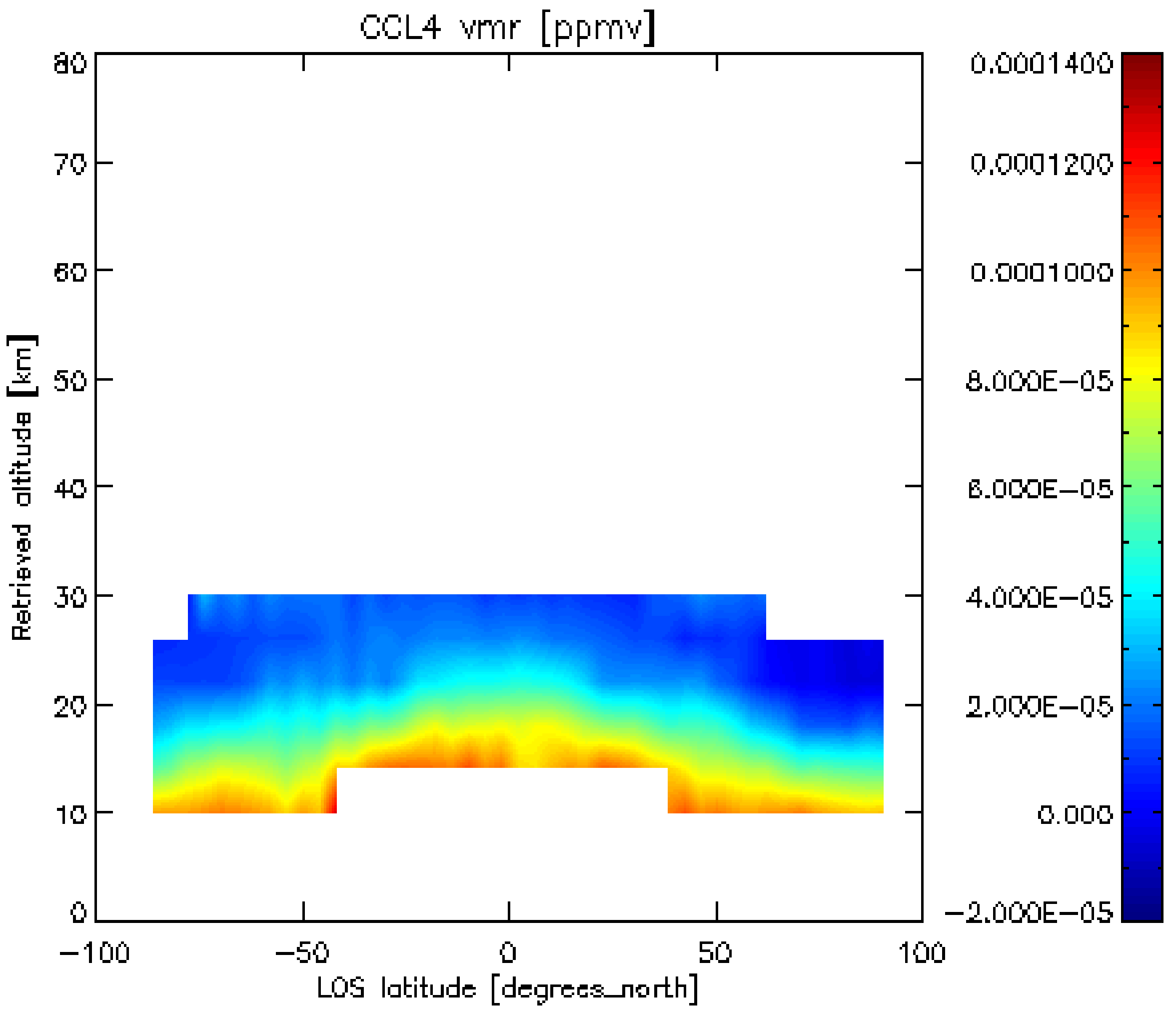


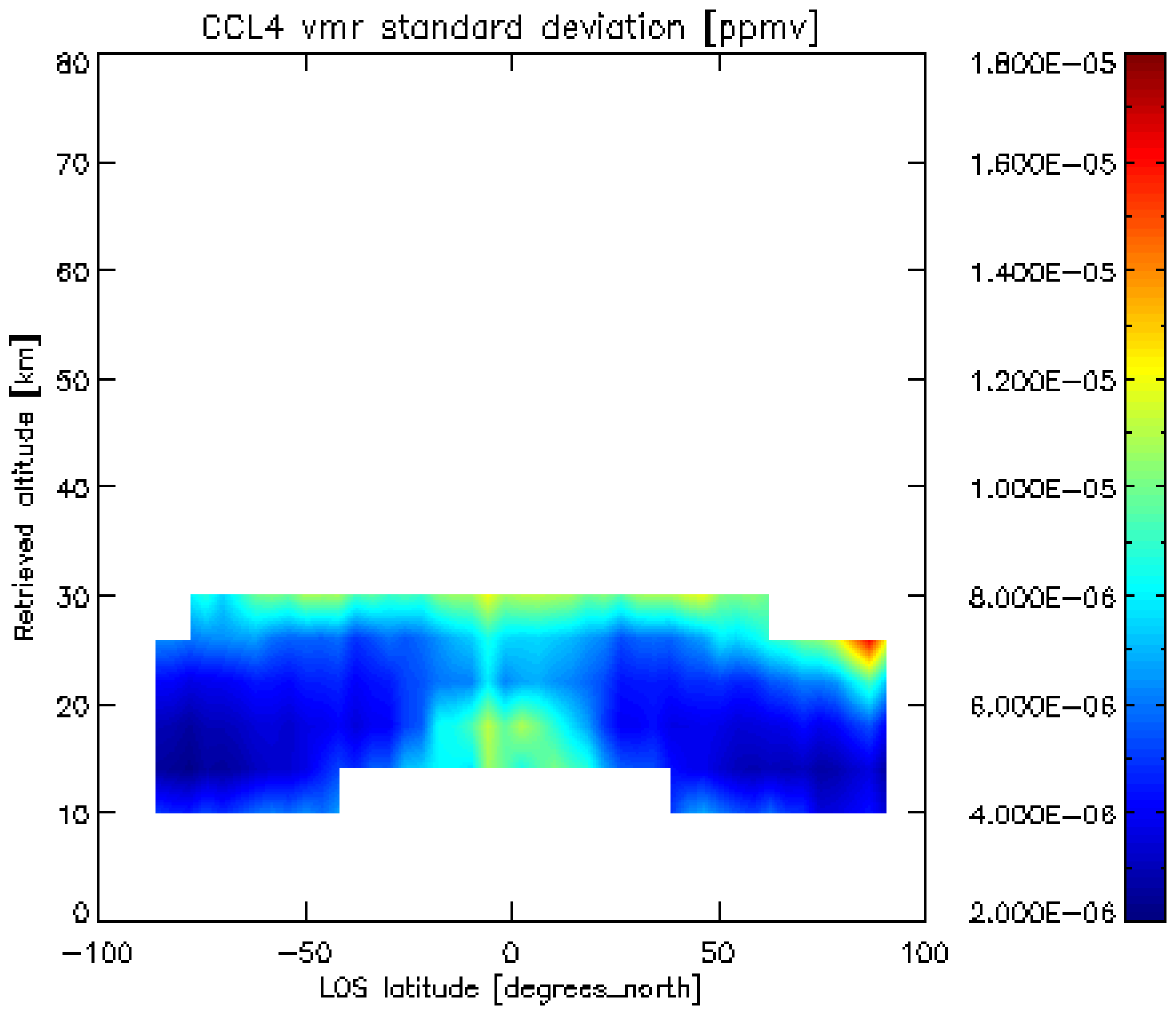
N2O5 vmr standard deviation [ppmv]
Retrieved altitude [km]
LOS latitude [degrees_north]
0.0006000
0.0005000
0.0004000
0.0003000
0.0002000
0.0001000
0.000

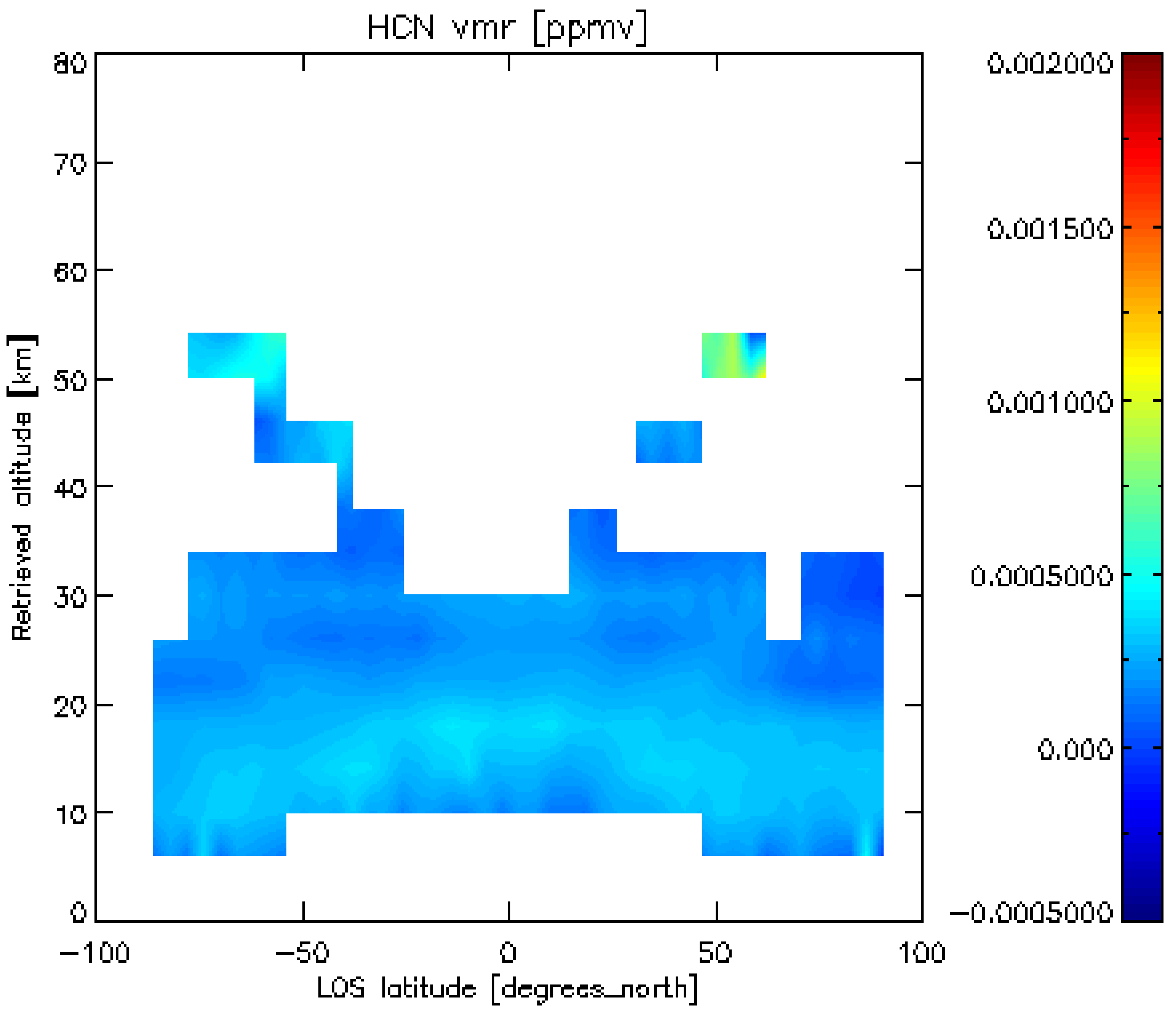

F12 vmr [ppmv]
Retrieved altitude [km]
0
10
20
30
40
50
60
70
80
LOS latitude [degrees_north]
−100
−50
0
50
100
0.0006000
0.0005000
0.0004000
0.0003000
0.0002000
0.0001000
1.355E−20
−0.0001000

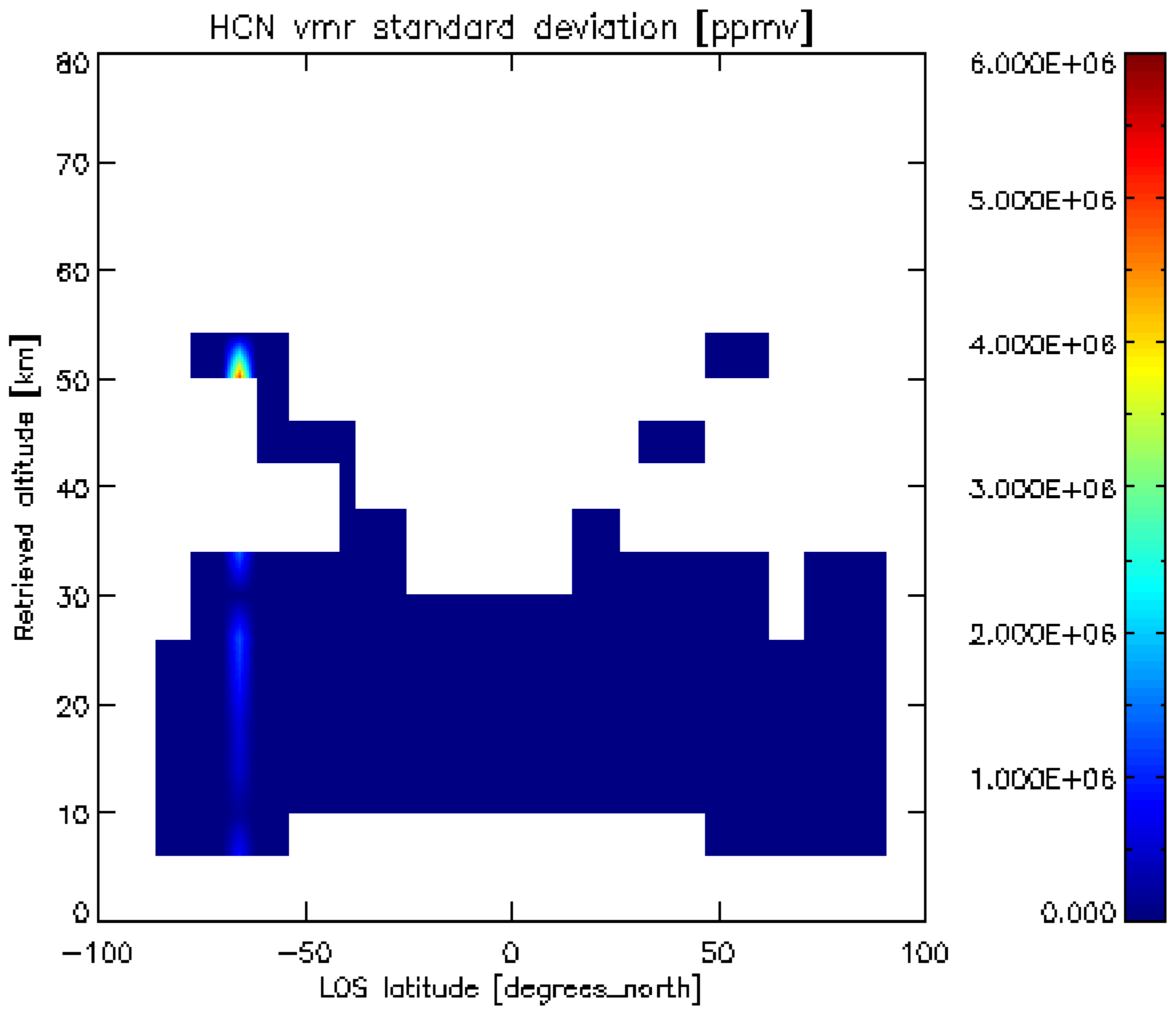

F12 vmr standard deviation [ppmv]
Retrieved altitude [km]
0
10
20
30
40
50
60
70
80
LOS latitude [degrees_north]
−100
−50
0
50
100
0.0001600
0.0001400
0.0001200
0.0001000
8.000E−05
6.000E−05
4.000E−05
2.000E−05
0.000

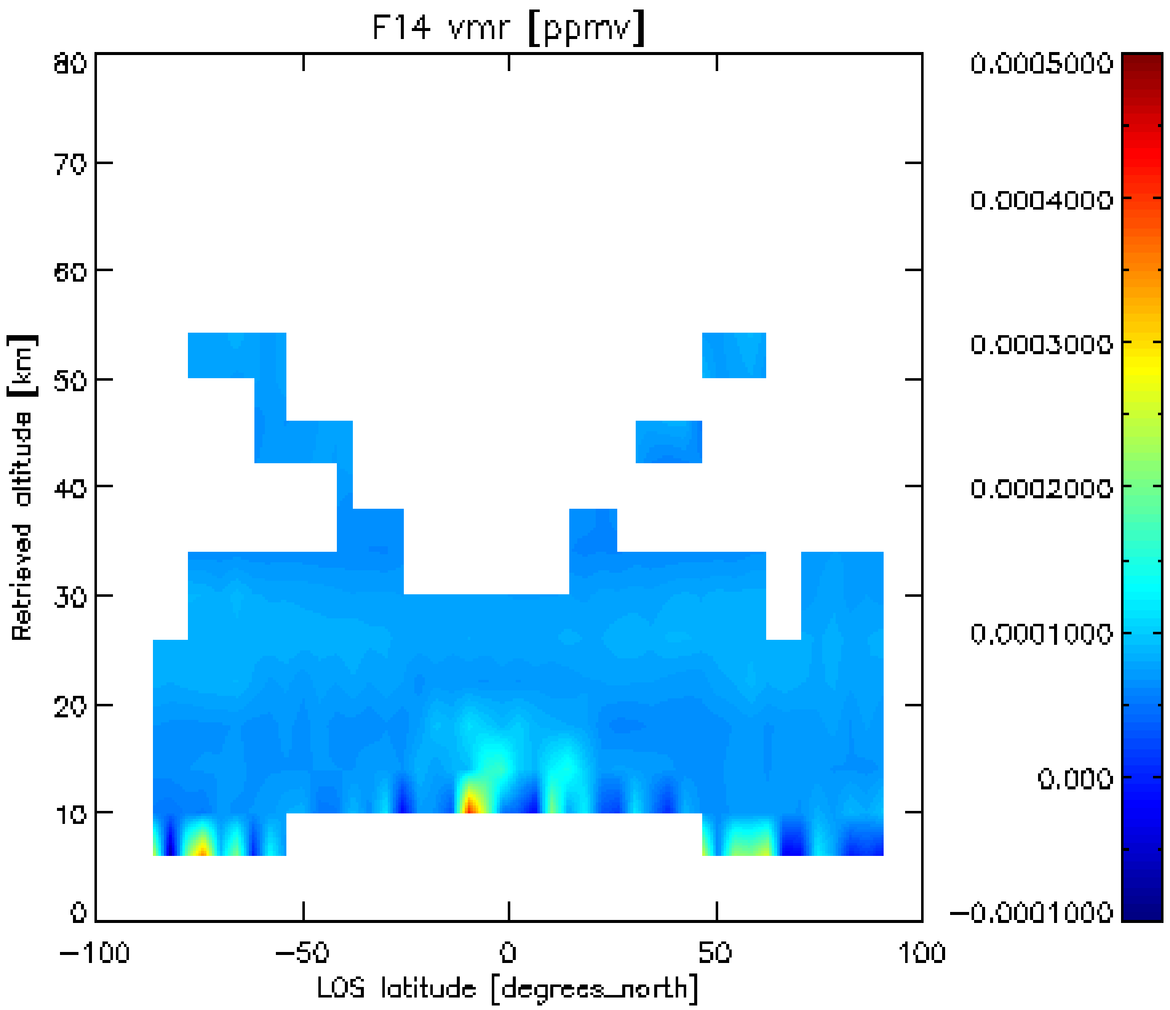

COF2 vmr [ppmv]
Retrieved altitude [km]
LOS latitude [degrees_north]
2.500E+08
2.000E+08
1.500E+08
1.000E+08
5.000E+07
0.000
−5.000E+07
COF2 vmr standard deviation [ppmv]
Retrieved altitude [km]
LOS latitude [degrees_north]
2.500E+07
2.000E+07
1.500E+07
1.000E+07
5.000E+06
0.000

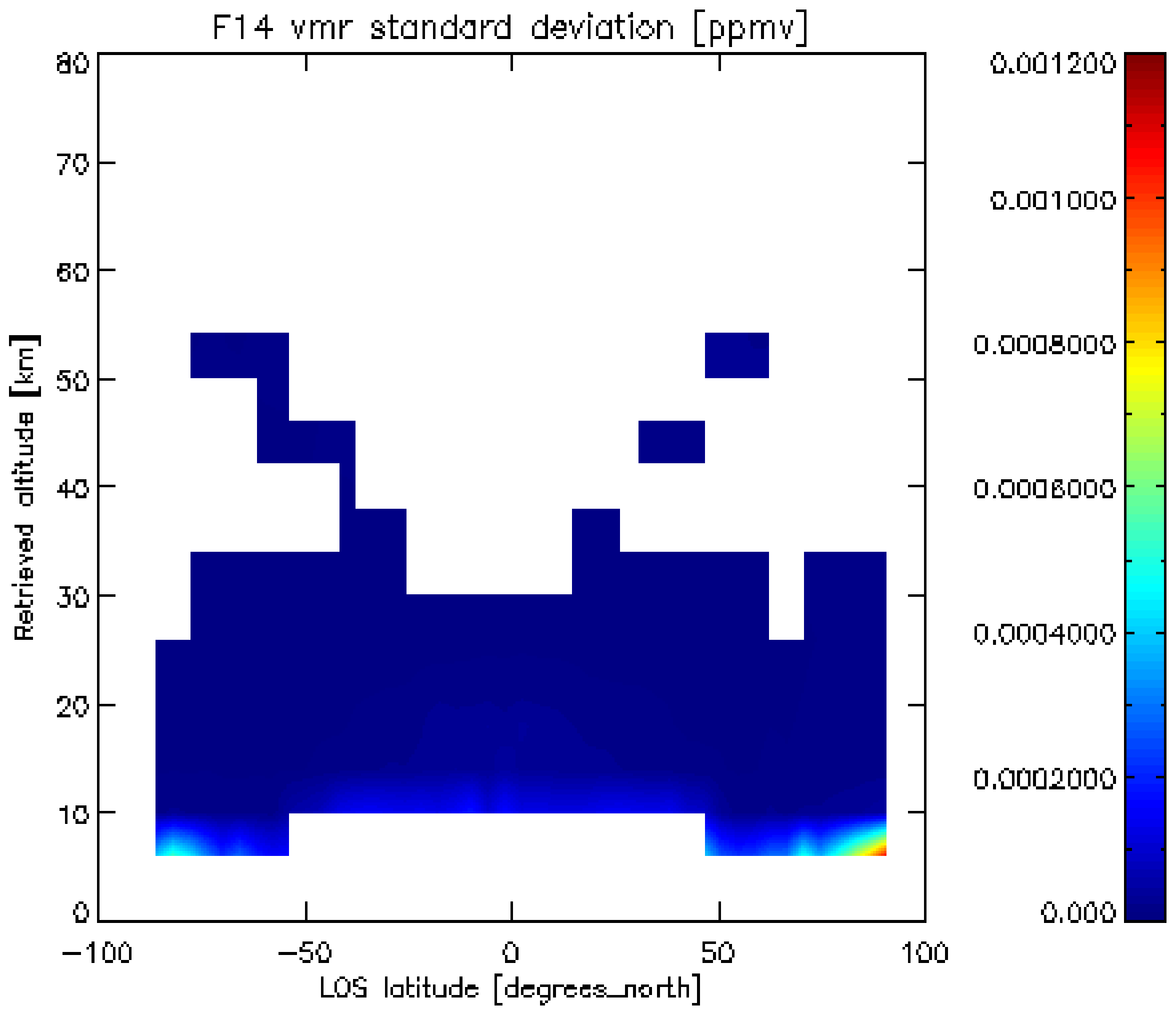

CCL4 vmr [ppmv]
Retrieved altitude [km]
80
70
60
50
40
30
20
10
0
−100
−50
0
50
100
LOS latitude [degrees_north]
0.0001400
0.0001200
0.0001000
8.000E−05
6.000E−05
4.000E−05
2.000E−05
0.000
−2.000E−05

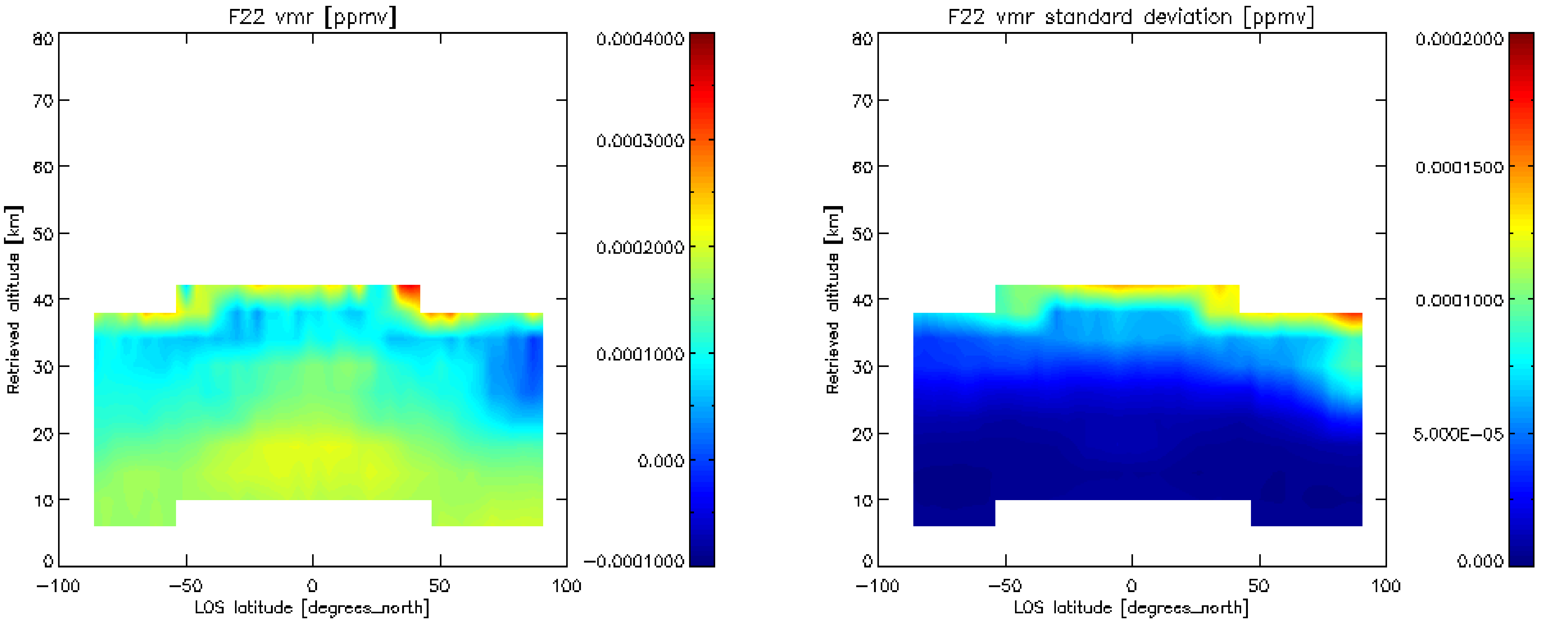

CCL4 vmr standard deviation [ppmv]
Retrieved altitude [km]
80
70
60
50
40
30
20
10
0
−100
−50
0
50
100
LOS latitude [degrees_north]
1.800E−05
1.600E−05
1.400E−05
1.200E−05
1.000E−05
8.000E−06
6.000E−06
4.000E−06
2.000E−06

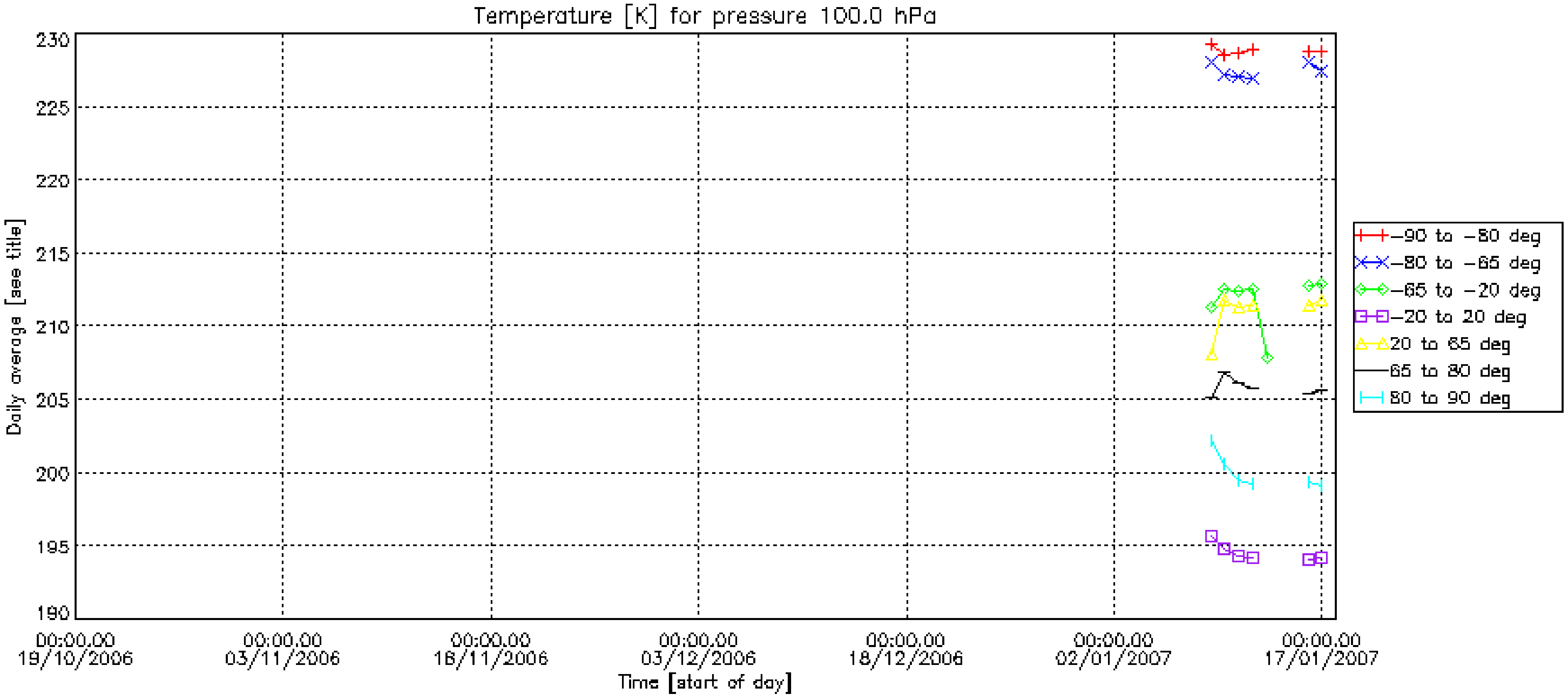

HCN vmr [ppmv]
Retrieved altitude [km]
LOS latitude [degrees_north]
0.002000
0.001500
0.001000
0.0005000
0.000
−0.0005000

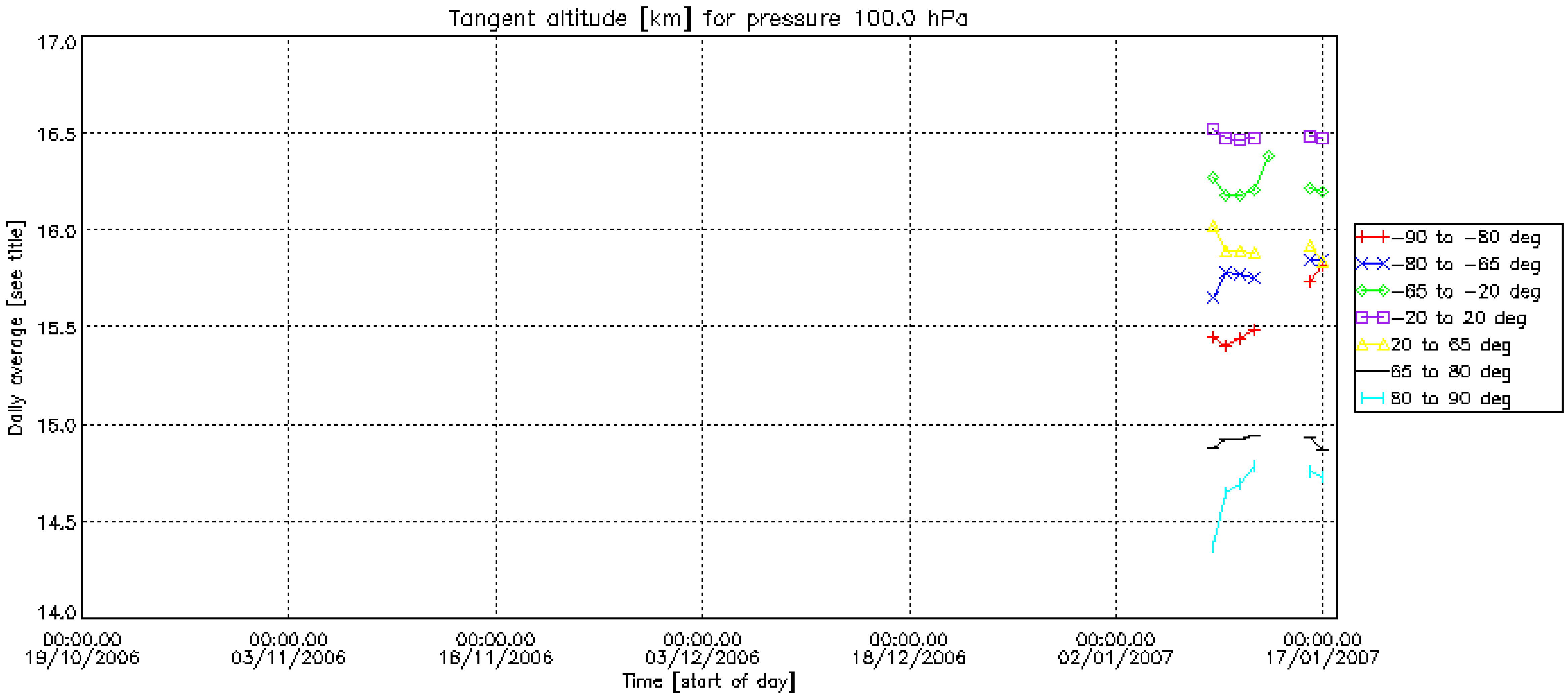

HCN vmr standard deviation [ppmv]
Retrieved altitude [km]
LOS latitude [degrees_north]
6.000E+06
5.000E+06
4.000E+06
3.000E+06
2.000E+06
1.000E+06
0.000


F14 vmr [ppmv]
Retrieved altitude [km]
LOS latitude [degrees_north]
0.0005000
0.0004000
0.0003000
0.0002000
0.0001000
0.000
-0.0001000
80
70
60
50
40
30
20
10
0
-100
-50
0
50
100

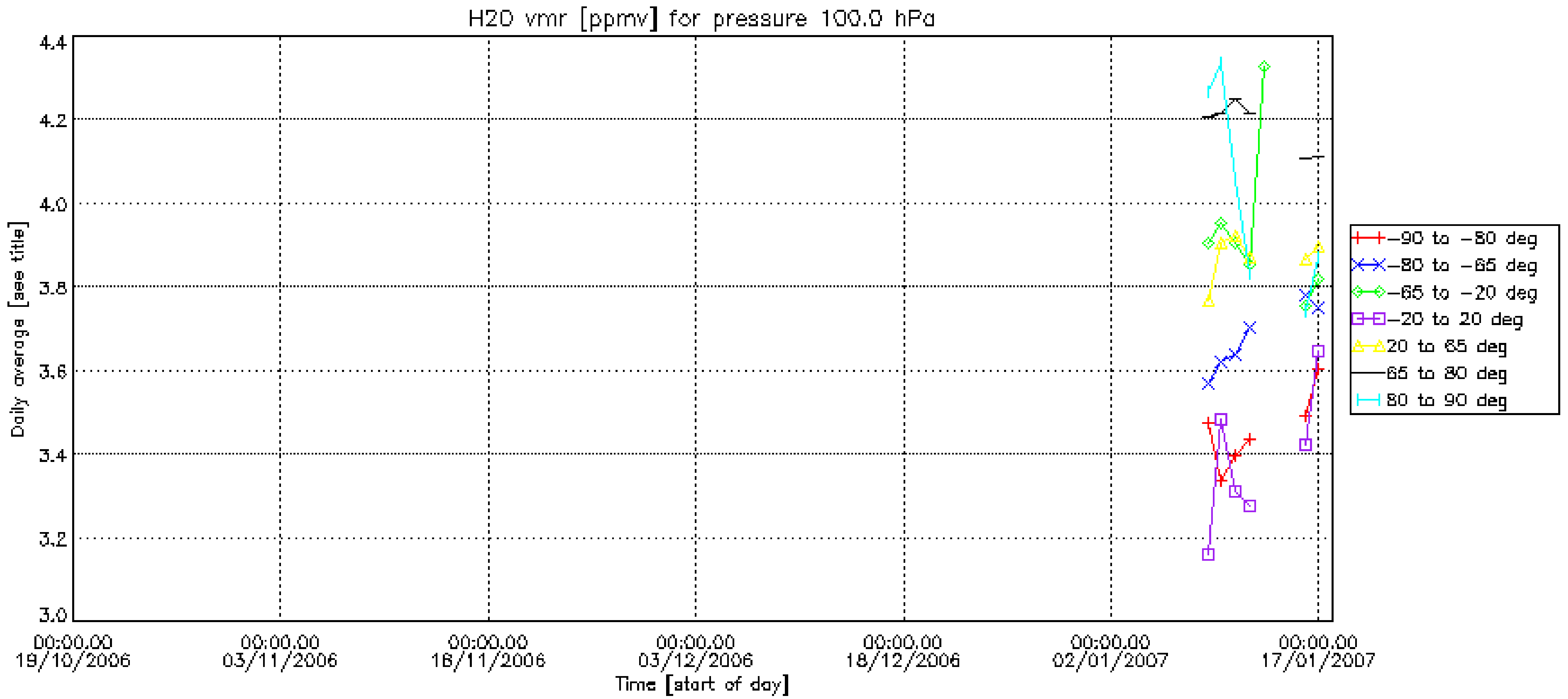

F14 vmr standard deviation [ppmv]
Retrieved altitude [km]
LOS latitude [degrees_north]
0.001200
0.001000
0.0008000
0.0006000
0.0004000
0.0002000
0.000
80
70
60
50
40
30
20
10
0
-100
-50
0
50
100


F22 vmr [ppmv]
Retrieved altitude [km]
LOS latitude [degrees_north]
0.0004000
0.0003000
0.0002000
0.0001000
0.000
-0.0001000
F22 vmr standard deviation [ppmv]
Retrieved altitude [km]
LOS latitude [degrees_north]
0.0002000
0.0001500
0.0001000
5.000E-05
0.000

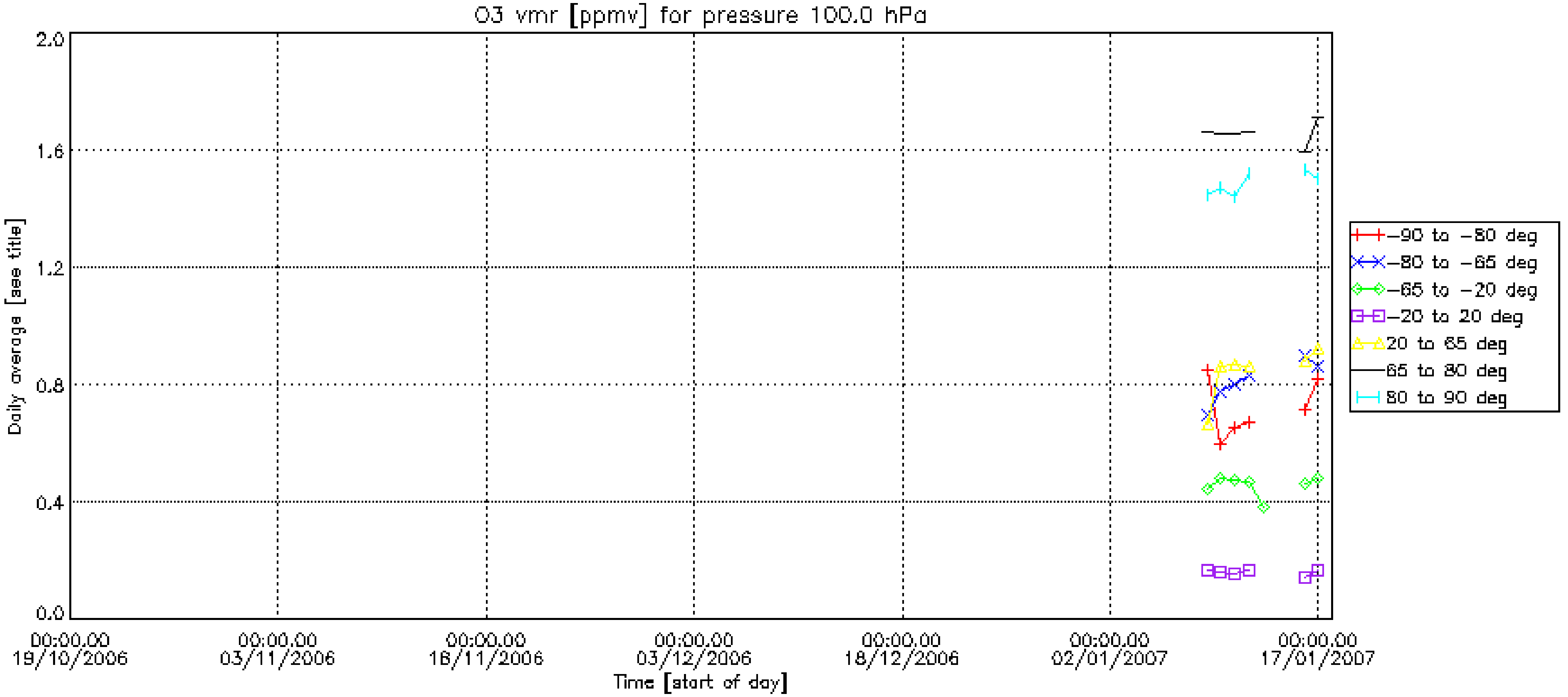

Temperature [K] for pressure 100.0 hPa
230
225
220
215
210
205
200
195
190
Daily average [see title]
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
Time [start of day]
−90 to −80 deg
−80 to −65 deg
−65 to −20 deg
−20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg



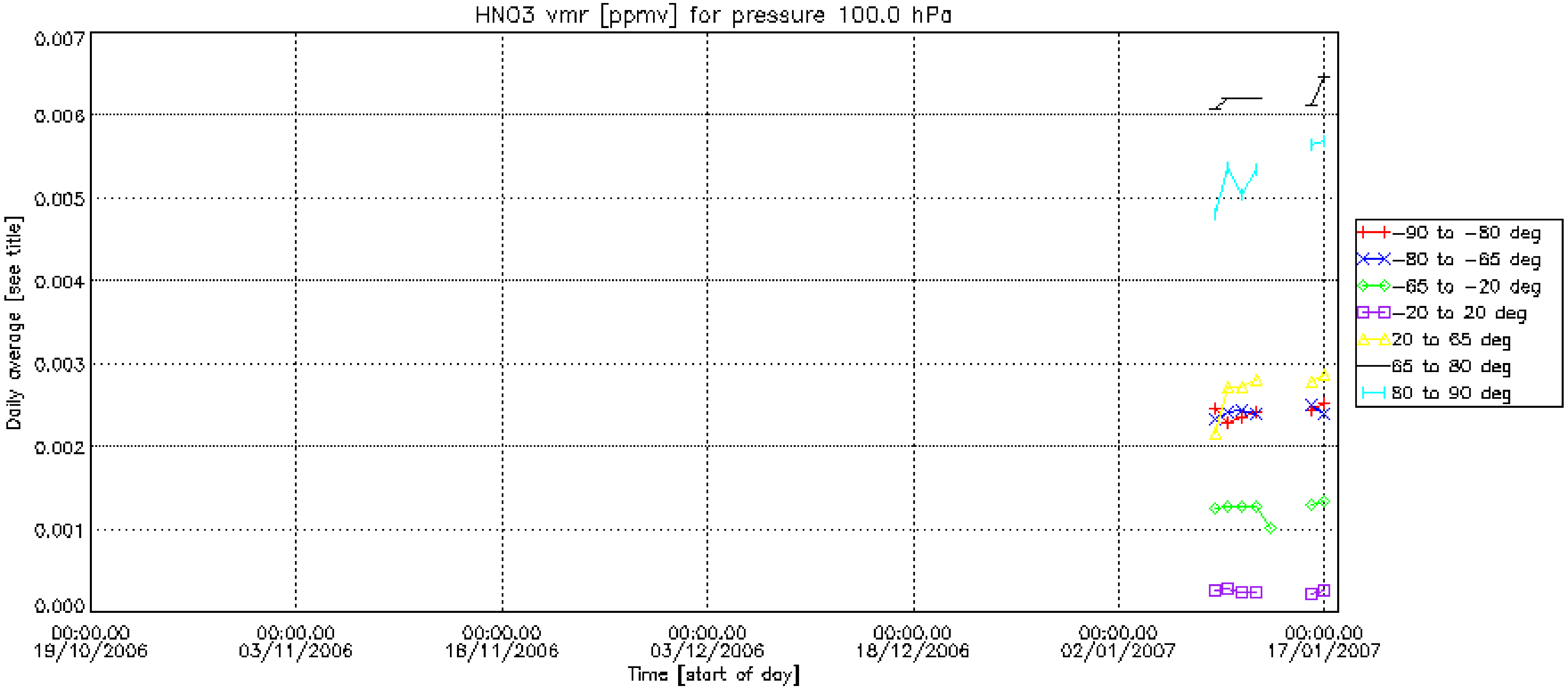
Tangent altitude [km] for pressure 100.0 hPa
Daily average [see title]
17.0
16.5
16.0
15.5
15.0
14.5
14.0
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
Time [start of day]
-90 to -80 deg
-80 to -65 deg
-65 to -20 deg
-20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg



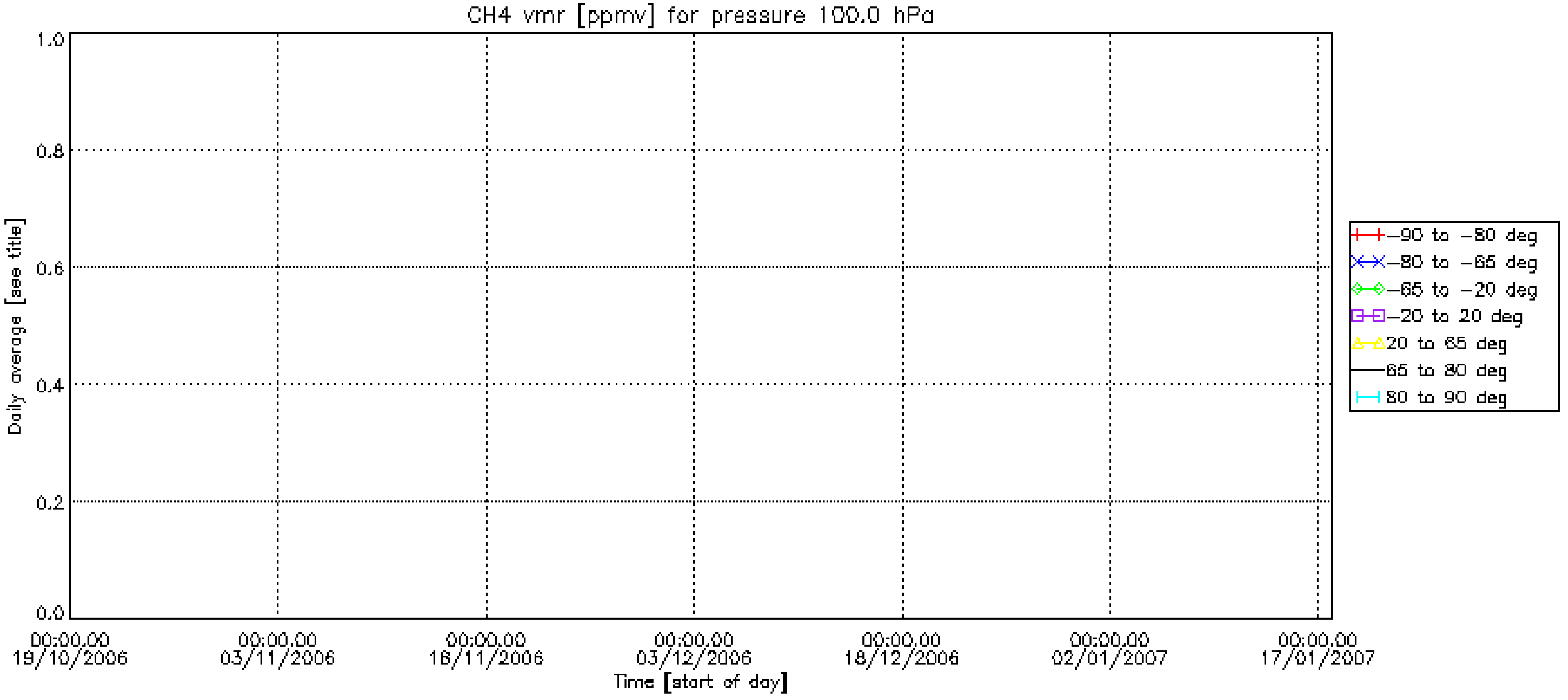
H2O vmr [ppmv] for pressure 100.0 hPa
4.4
4.2
4.0
3.8
3.6
3.4
3.2
3.0
Daily average [see title]
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
Time [start of day]
−90 to −80 deg
−80 to −65 deg
−65 to −20 deg
−20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg

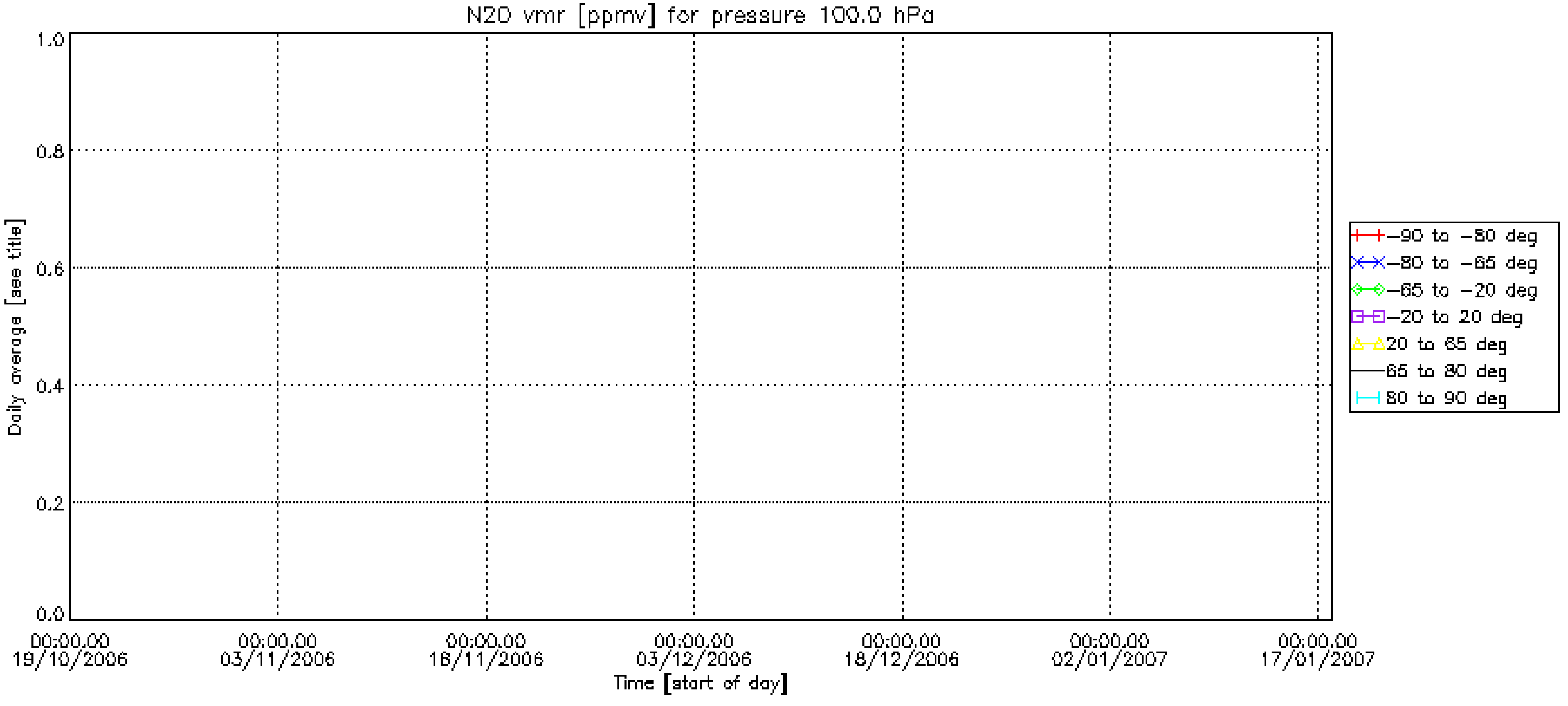


O3 vmr [ppmv] for pressure 100.0 hPa
Daily average [see title]
2.0
1.6
1.2
0.8
0.4
0.0
00:00.00
19/10/2006
00:00.00
03/11/2006
00:00.00
18/11/2006
00:00.00
03/12/2006
00:00.00
18/12/2006
00:00.00
02/01/2007
00:00.00
17/01/2007
Time [start of day]
−90 to −80 deg
−80 to −65 deg
−65 to −20 deg
−20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg

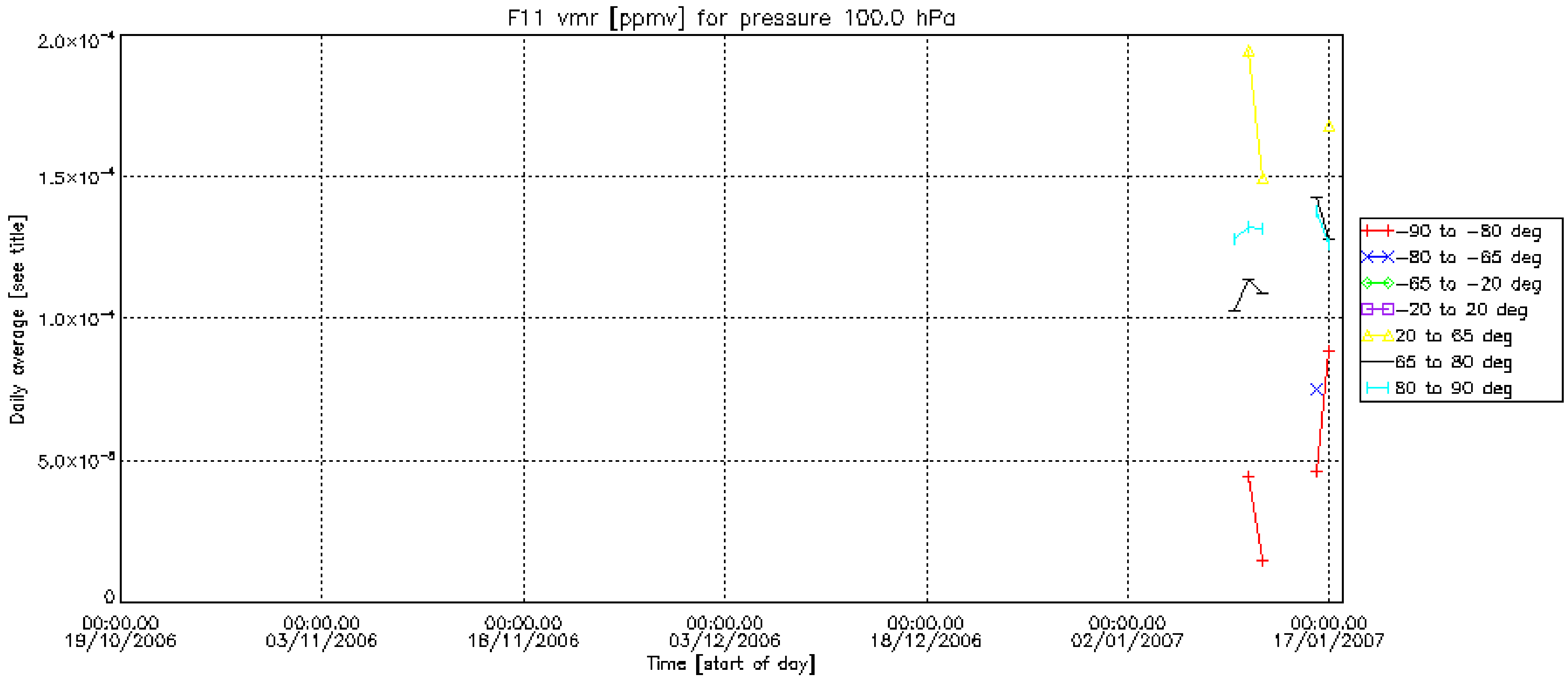


HNO3 vmr [ppmv] for pressure 100.0 hPa
Daily average [see title]
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0.000
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
Time [start of day]
−90 to −80 deg
−80 to −65 deg
−65 to −20 deg
−20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg

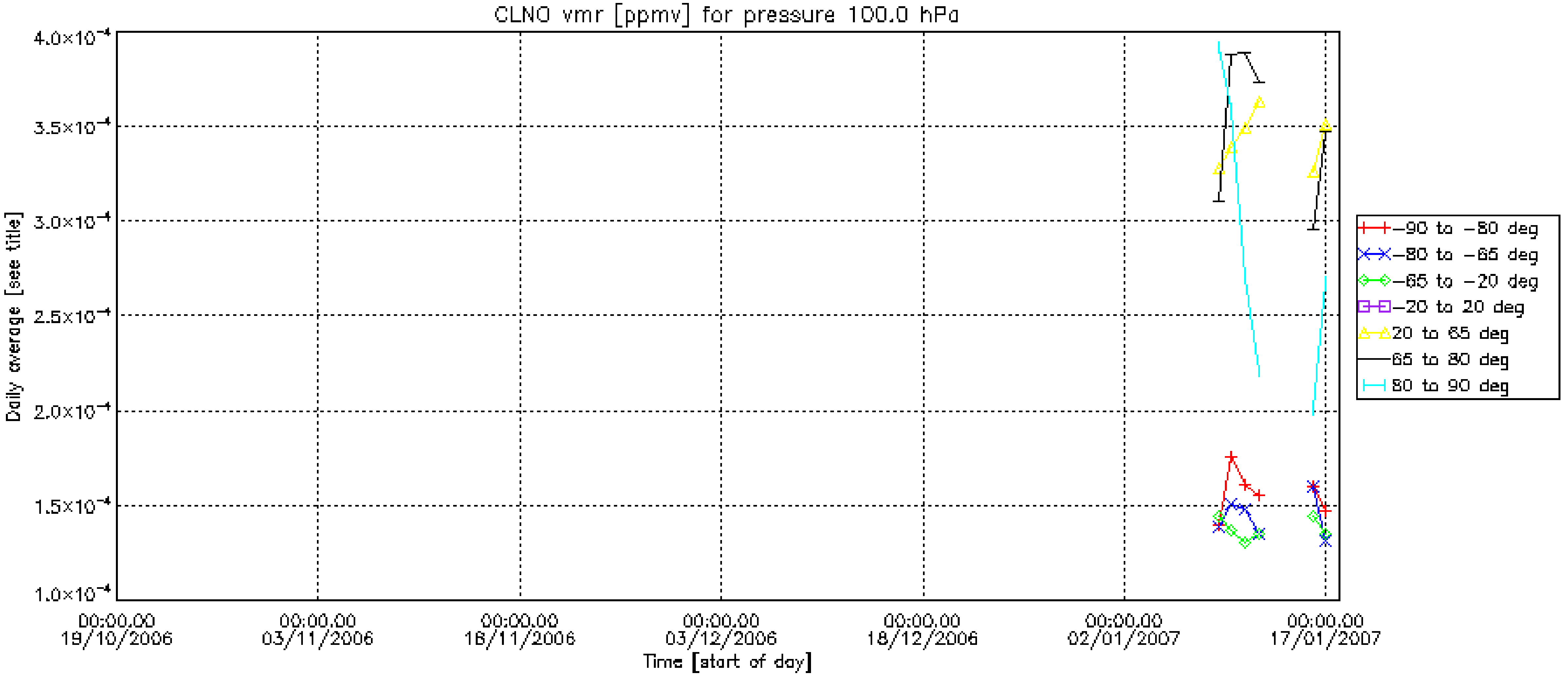

CH4 vmr [ppmv] for pressure 100.0 hPa
Daily average [see title]
1.0
0.8
0.6
0.4
0.2
0.0
00:00:00
19/10/2006
00:00:00
03/11/2006
00:00:00
18/11/2006
00:00:00
03/12/2006
00:00:00
18/12/2006
00:00:00
02/01/2007
00:00:00
17/01/2007
Time [start of day]
-90 to -80 deg
-80 to -65 deg
-65 to -20 deg
-20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg

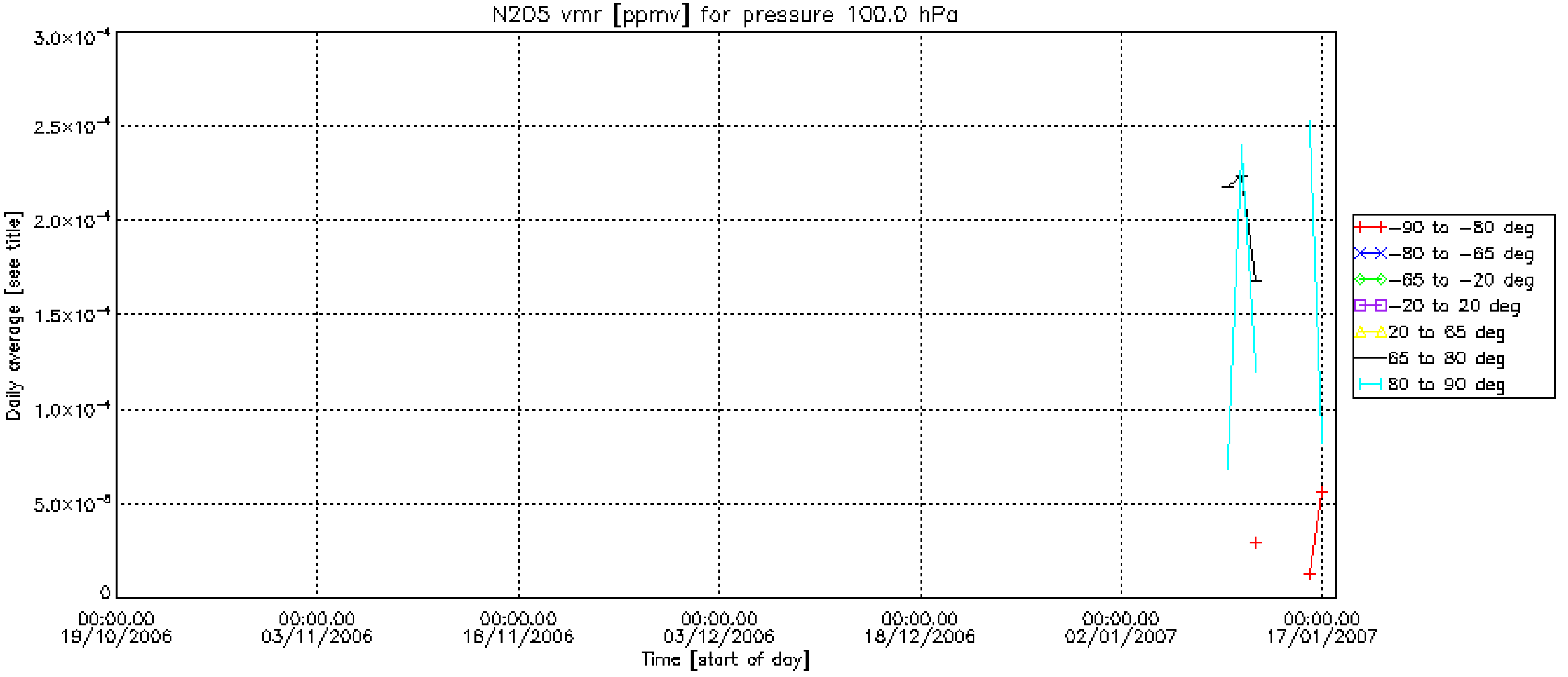


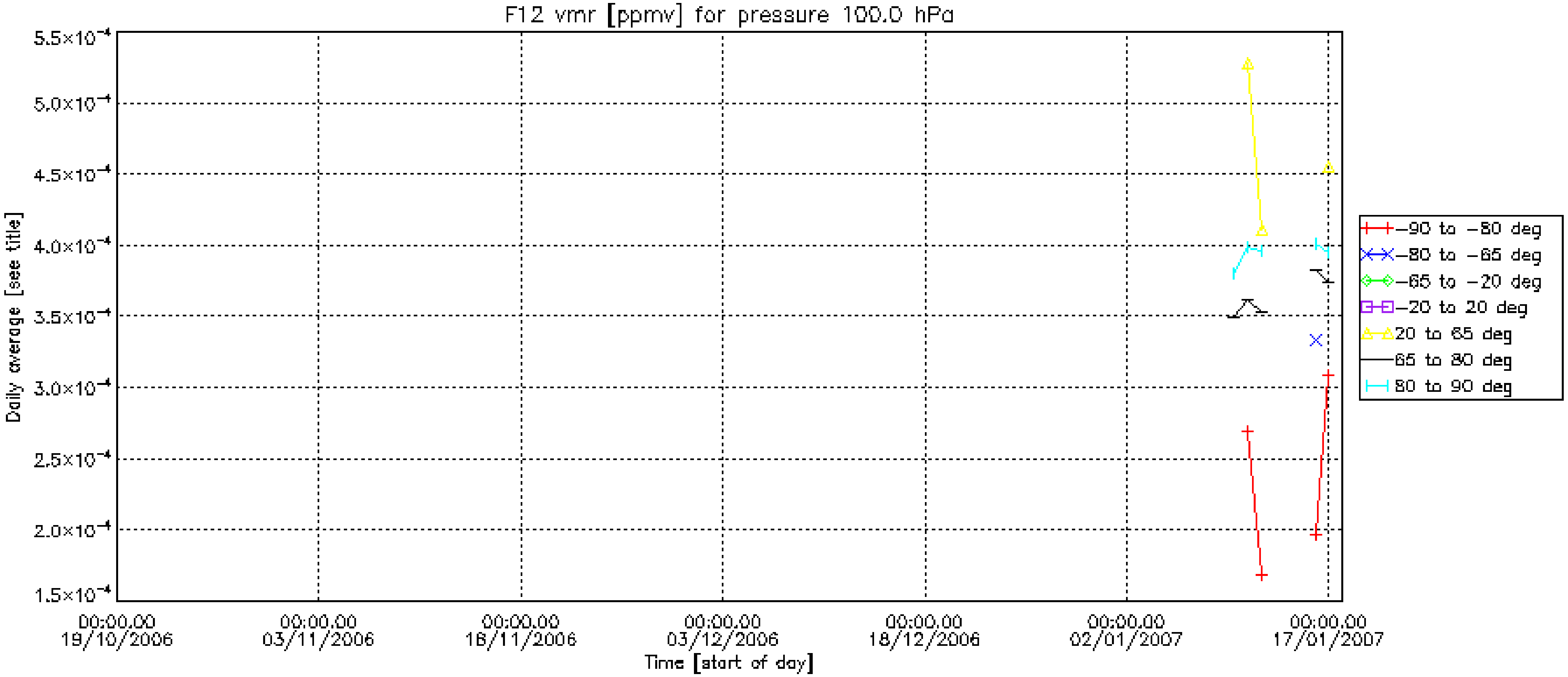
N2O vmr [ppmv] for pressure 100.0 hPa
Daily average [see title]
1.0
0.8
0.6
0.4
0.2
0.0
00:00:00 19/10/2006
00:00:00 03/11/2006
00:00:00 18/11/2006
00:00:00 03/12/2006
00:00:00 18/12/2006
00:00:00 02/01/2007
00:00:00 17/01/2007
Time [start of day]
-90 to -80 deg
-80 to -65 deg
-65 to -20 deg
-20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg



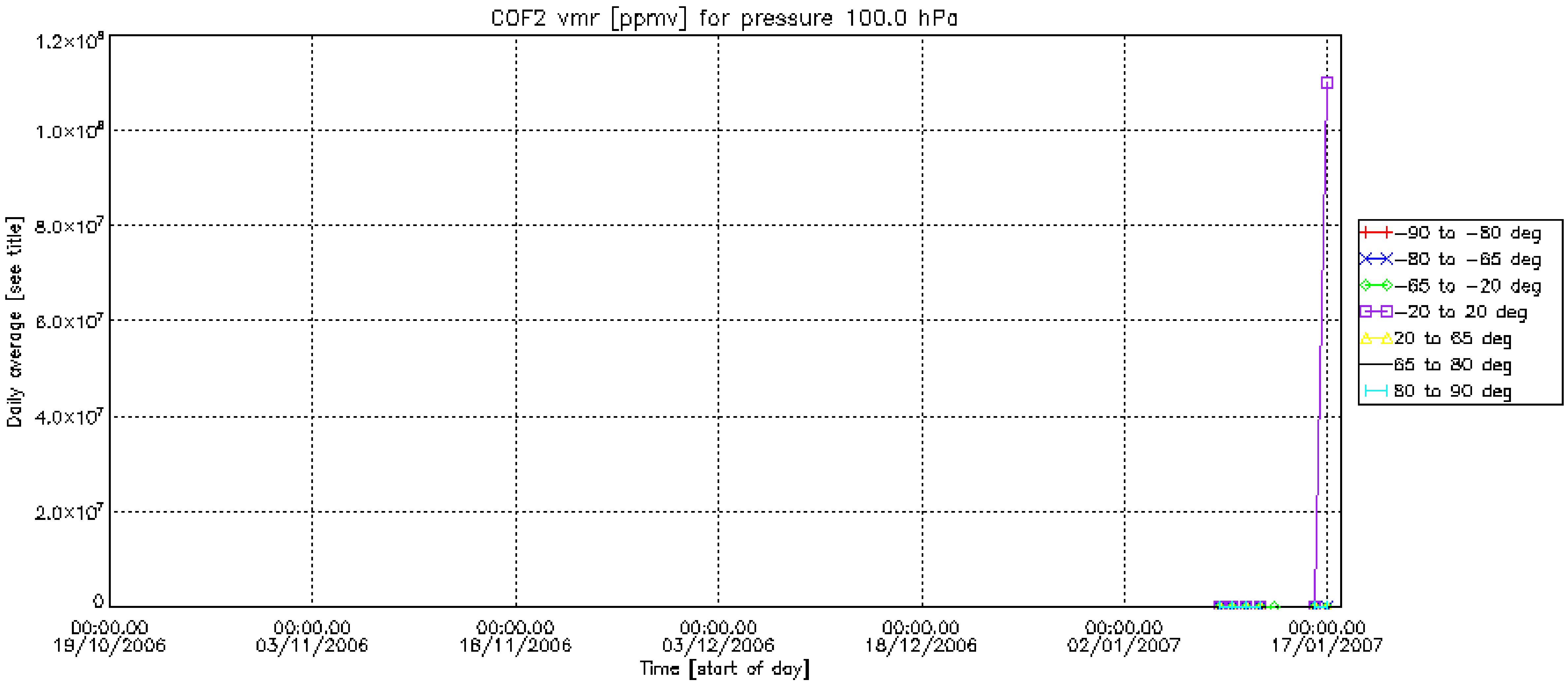
F11 vmr [ppmv] for pressure 100.0 hPa
Daily average [see title]
2.0×10⁻⁴
1.5×10⁻⁴
1.0×10⁻⁴
5.0×10⁻⁵
0
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
Time [start of day]
−90 to −80 deg
−80 to −65 deg
−65 to −20 deg
−20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg

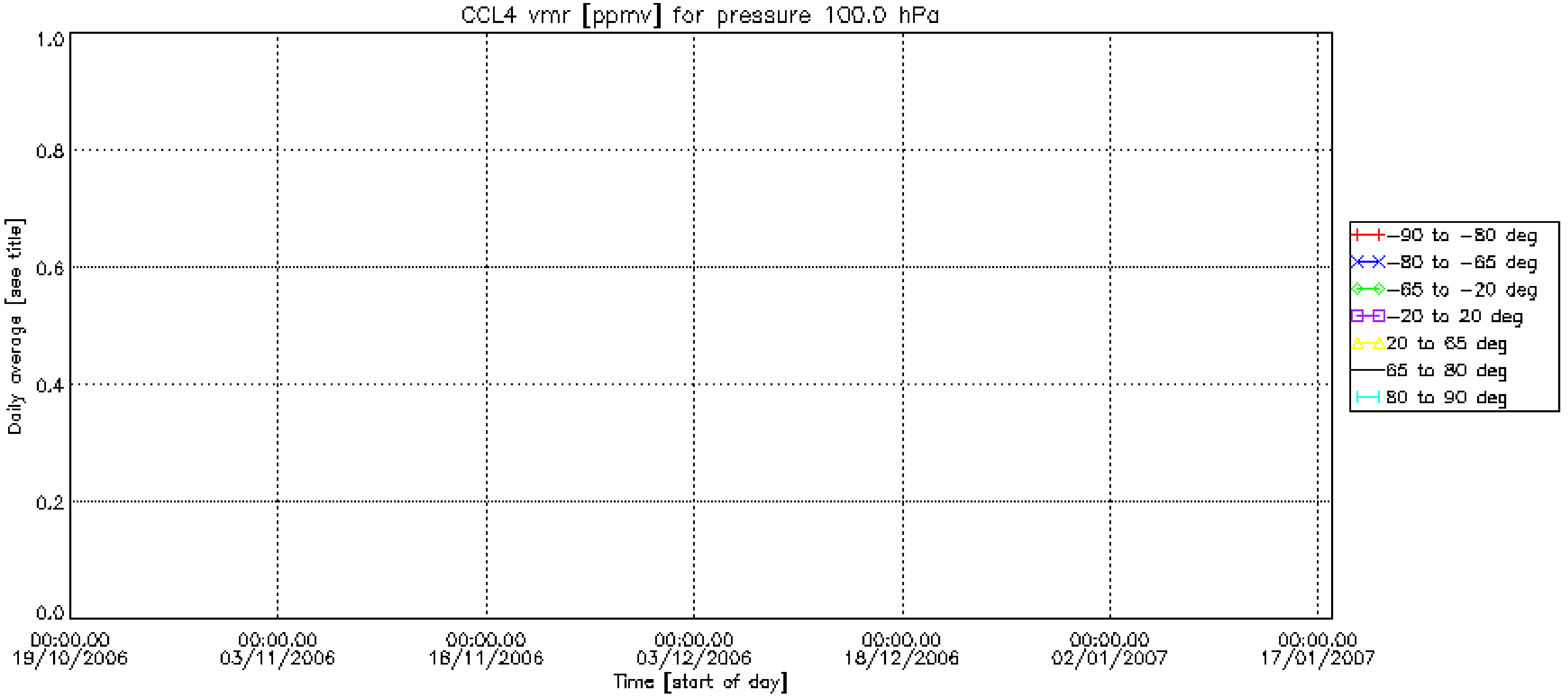

CLNO vmr [ppmv] for pressure 100.0 hPa
4.0×10⁻⁴
3.5×10⁻⁴
3.0×10⁻⁴
2.5×10⁻⁴
2.0×10⁻⁴
1.5×10⁻⁴
1.0×10⁻⁴
Daily average [see title]
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
Time [start of day]
−90 to −80 deg
−80 to −65 deg
−65 to −20 deg
−20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg

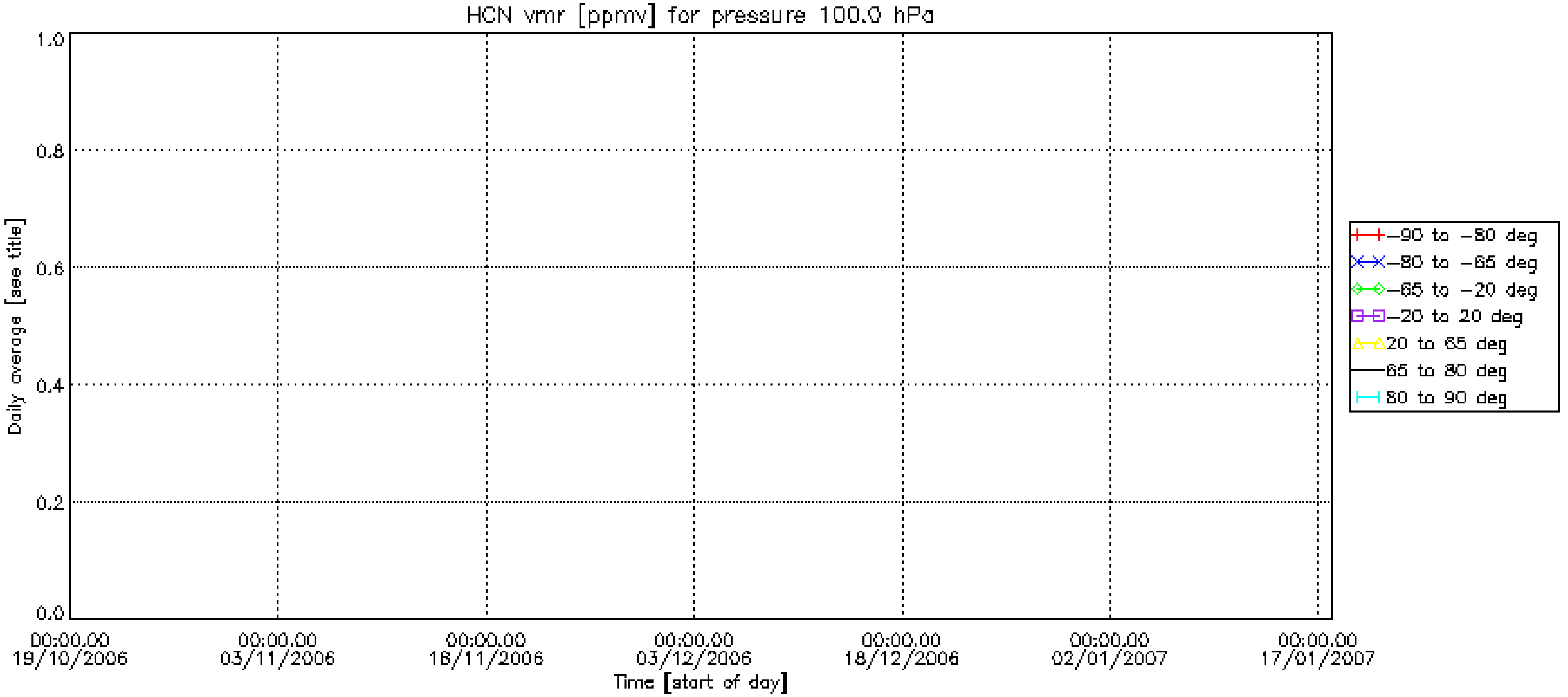

N2O5 vmr [ppmv] for pressure 100.0 hPa
Daily average [see title]
3.0×10⁻⁴
2.5×10⁻⁴
2.0×10⁻⁴
1.5×10⁻⁴
1.0×10⁻⁴
5.0×10⁻⁵
0
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
Time [start of day]
−90 to −80 deg
−80 to −65 deg
−65 to −20 deg
−20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg

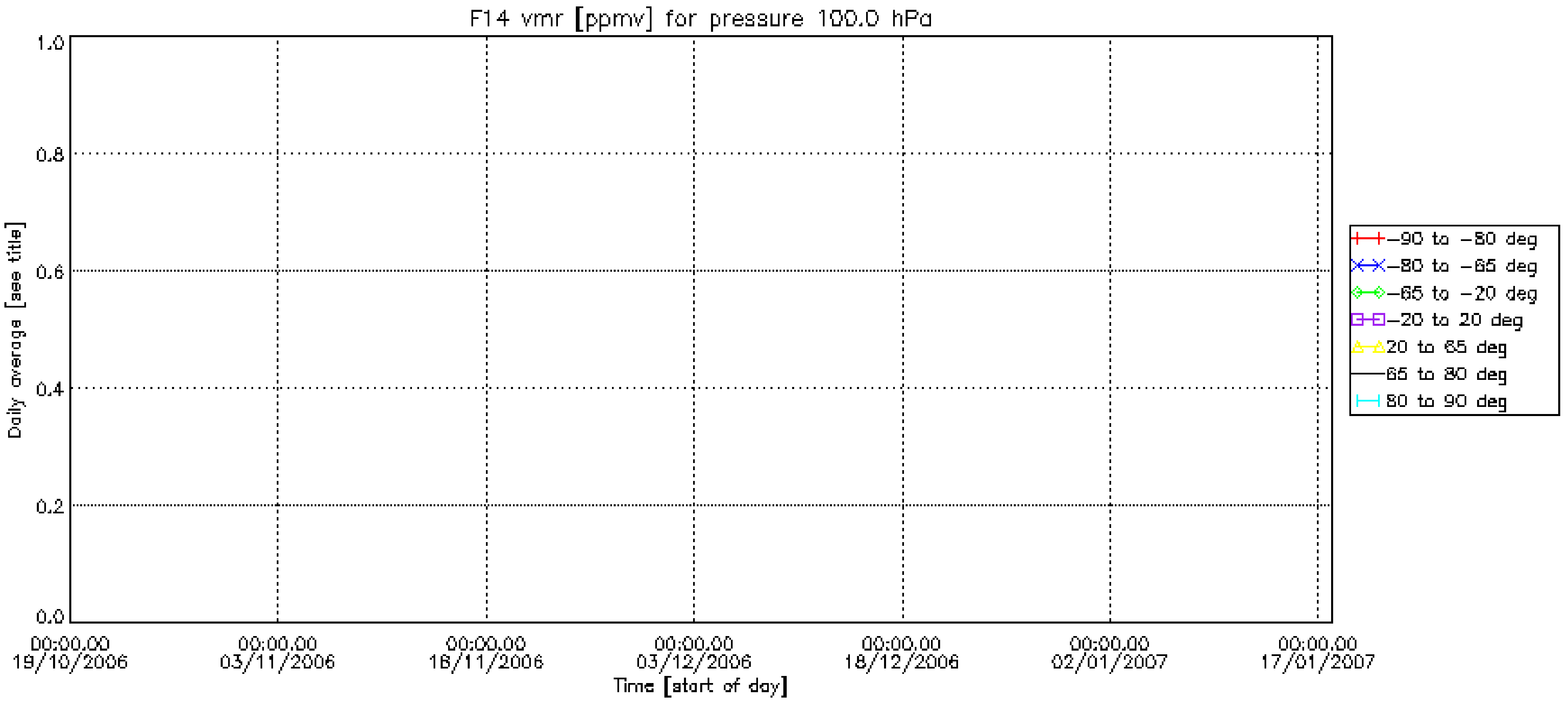


F12 vmr [ppmv] for pressure 100.0 hPa
Daily average [see title]
5.5×10⁻⁴
5.0×10⁻⁴
4.5×10⁻⁴
4.0×10⁻⁴
3.5×10⁻⁴
3.0×10⁻⁴
2.5×10⁻⁴
2.0×10⁻⁴
1.5×10⁻⁴
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
Time [start of day]
−90 to −80 deg
−80 to −65 deg
−65 to −20 deg
−20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg

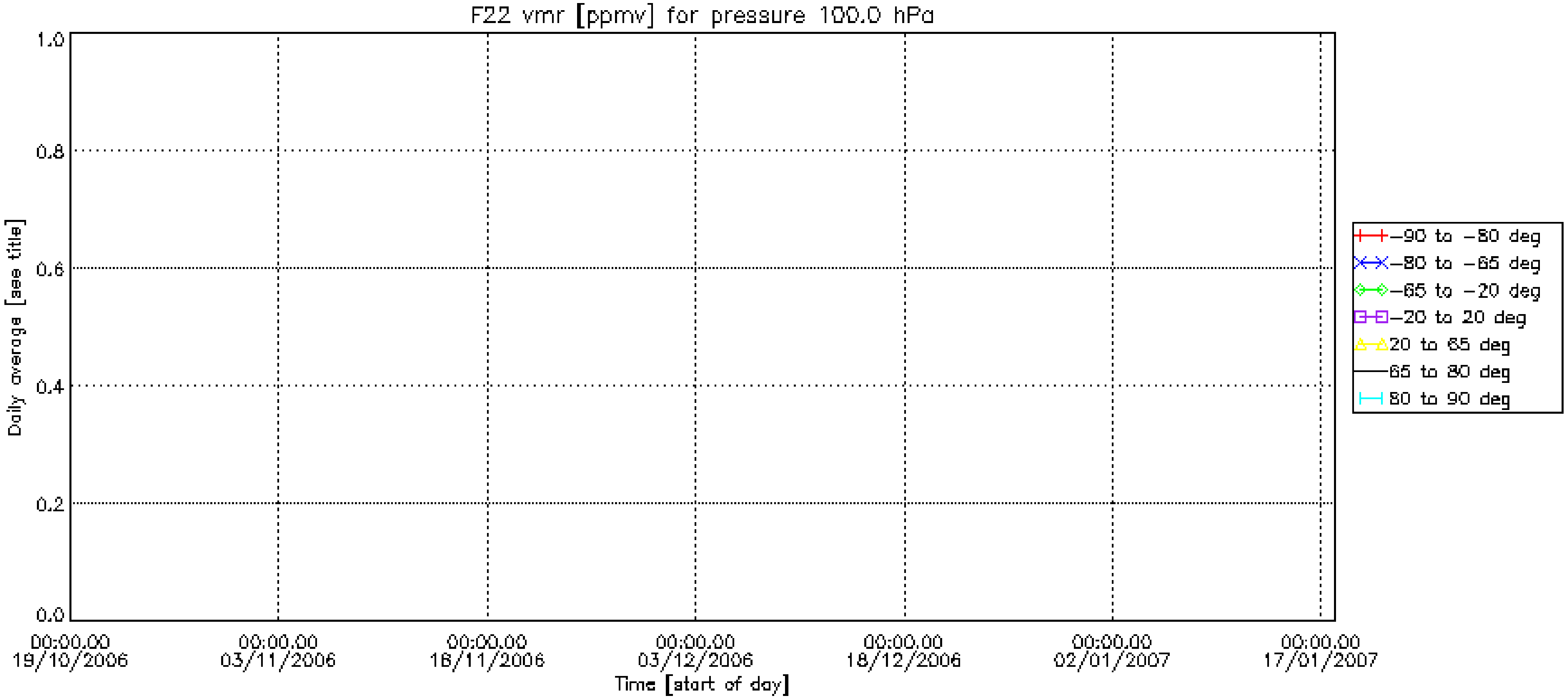

COF2 vmr [ppmv] for pressure 100.0 hPa
Daily average [see title]
1.2×10⁸
1.0×10⁸
8.0×10⁷
6.0×10⁷
4.0×10⁷
2.0×10⁷
0
00:00.00
19/10/2006
00:00.00
03/11/2006
00:00.00
18/11/2006
00:00.00
03/12/2006
00:00.00
18/12/2006
00:00.00
02/01/2007
00:00.00
17/01/2007
Time [start of day]
−90 to −80 deg
−80 to −65 deg
−65 to −20 deg
−20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg

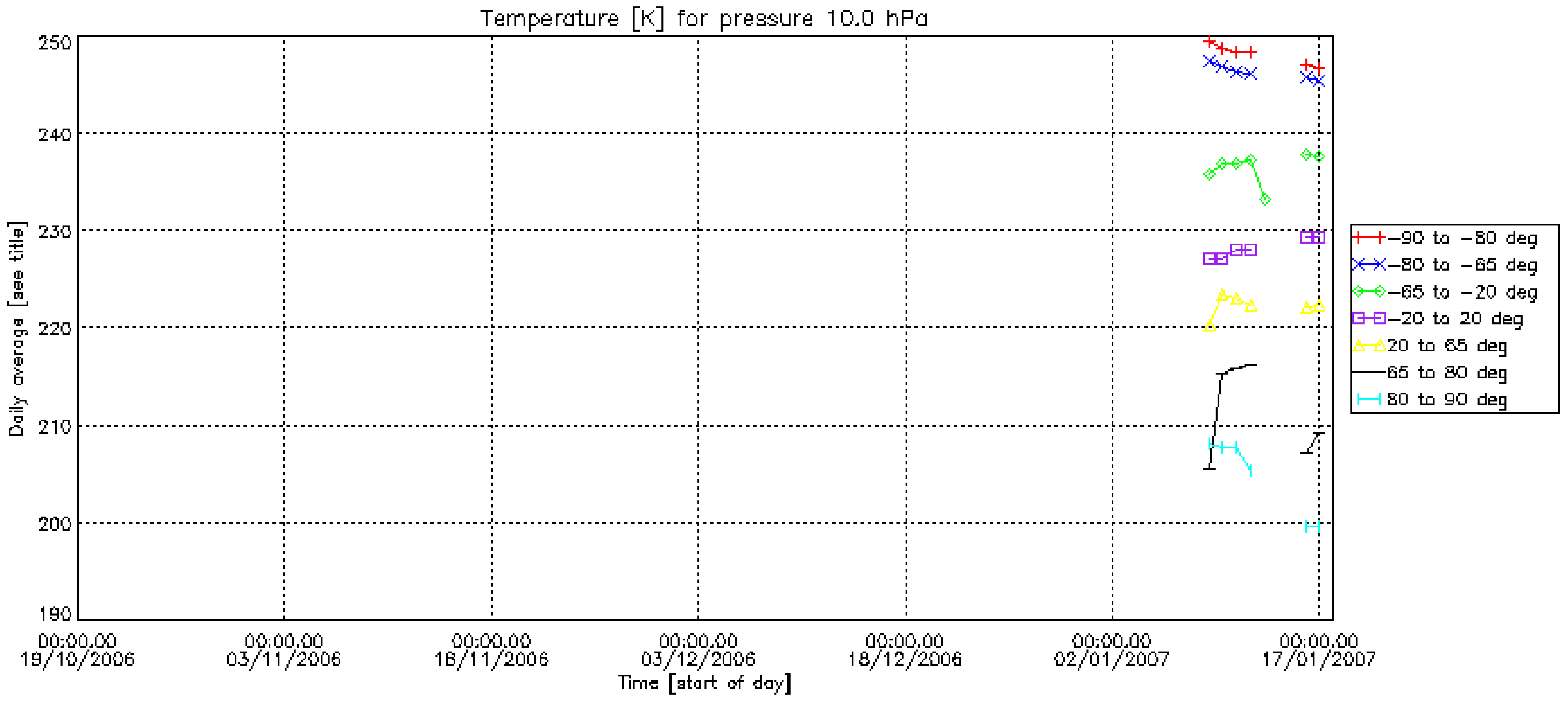

CCL4 vmr [ppmv] for pressure 100.0 hPa
Daily average [see title]
1.0
0.8
0.6
0.4
0.2
0.0
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
Time [start of day]
-90 to -80 deg
-80 to -65 deg
-65 to -20 deg
-20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg


HCN vmr [ppmv] for pressure 100.0 hPa
Daily average [see title]
1.0
0.8
0.6
0.4
0.2
0.0
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
Time [start of day]
-90 to -80 deg
-80 to -65 deg
-65 to -20 deg
-20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg

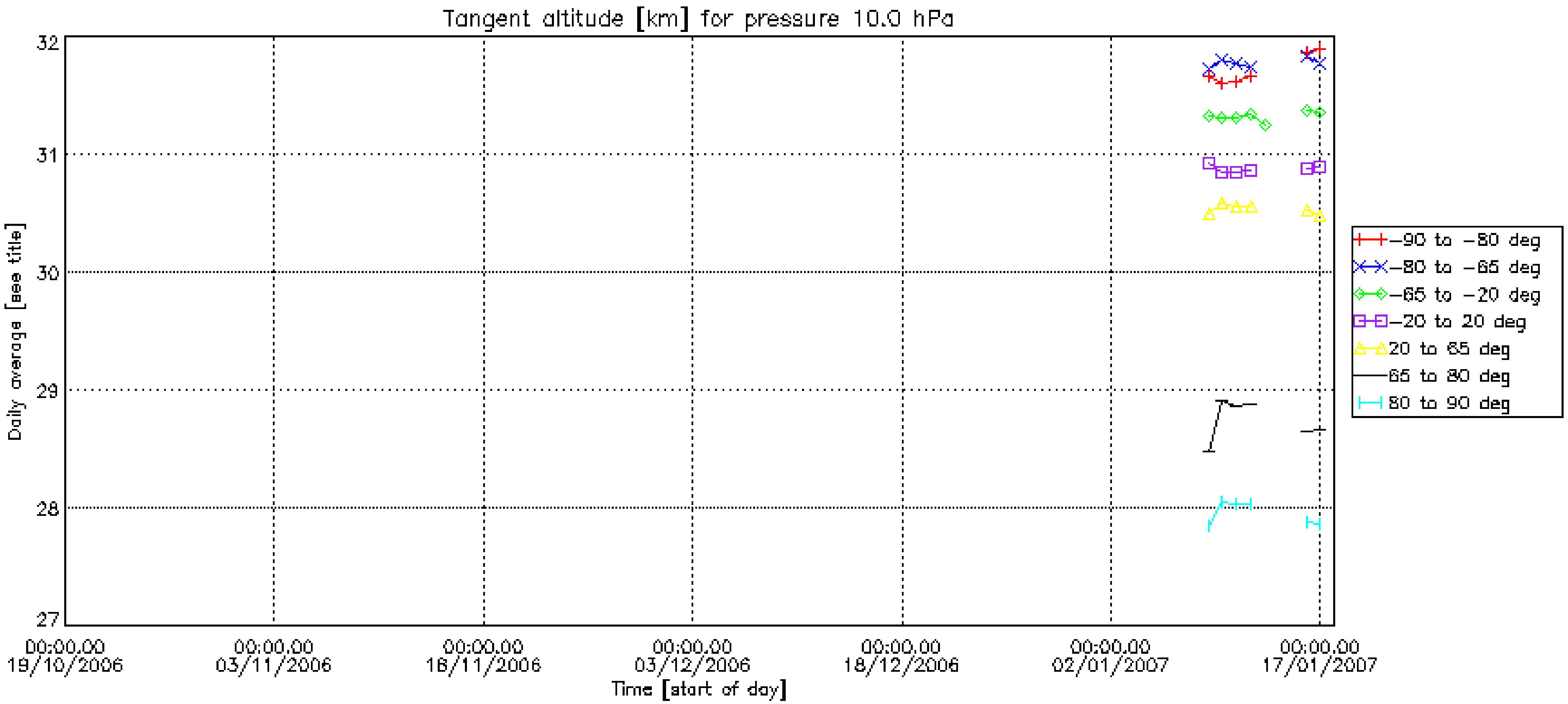


F14 vmr [ppmv] for pressure 100.0 hPa
Daily average [see title]
1.0
0.8
0.6
0.4
0.2
0.0
00:00:00 19/10/2006
00:00:00 03/11/2006
00:00:00 18/11/2006
00:00:00 03/12/2006
00:00:00 18/12/2006
00:00:00 02/01/2007
00:00:00 17/01/2007
Time [start of day]
−90 to −80 deg
−80 to −65 deg
−65 to −20 deg
−20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg

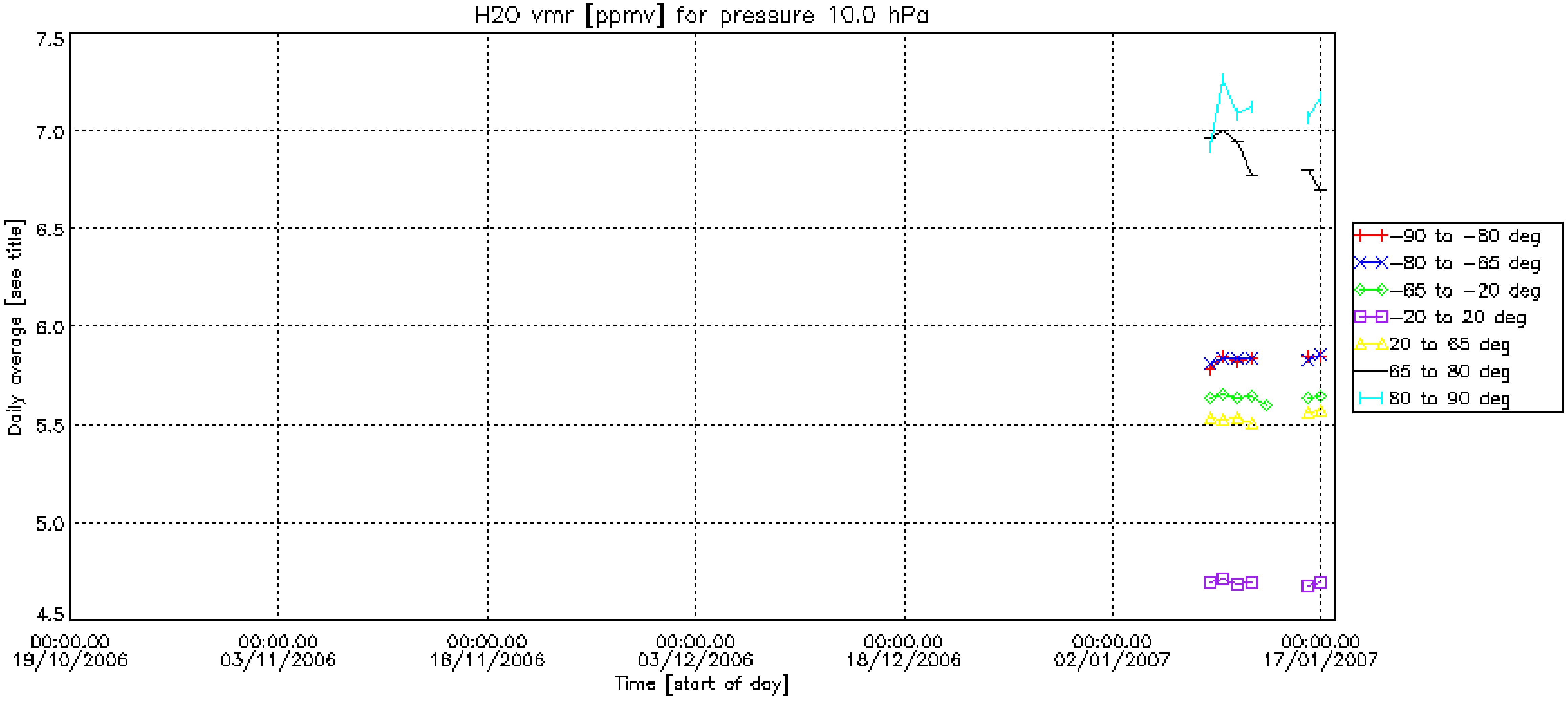

F22 vmr [ppmv] for pressure 100.0 hPa
Daily average [see title]
1.0
0.8
0.6
0.4
0.2
0.0
00:00:00 19/10/2006
00:00:00 03/11/2006
00:00:00 18/11/2006
00:00:00 03/12/2006
00:00:00 18/12/2006
00:00:00 02/01/2007
00:00:00 17/01/2007
Time [start of day]
−90 to −80 deg
−80 to −65 deg
−65 to −20 deg
−20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg

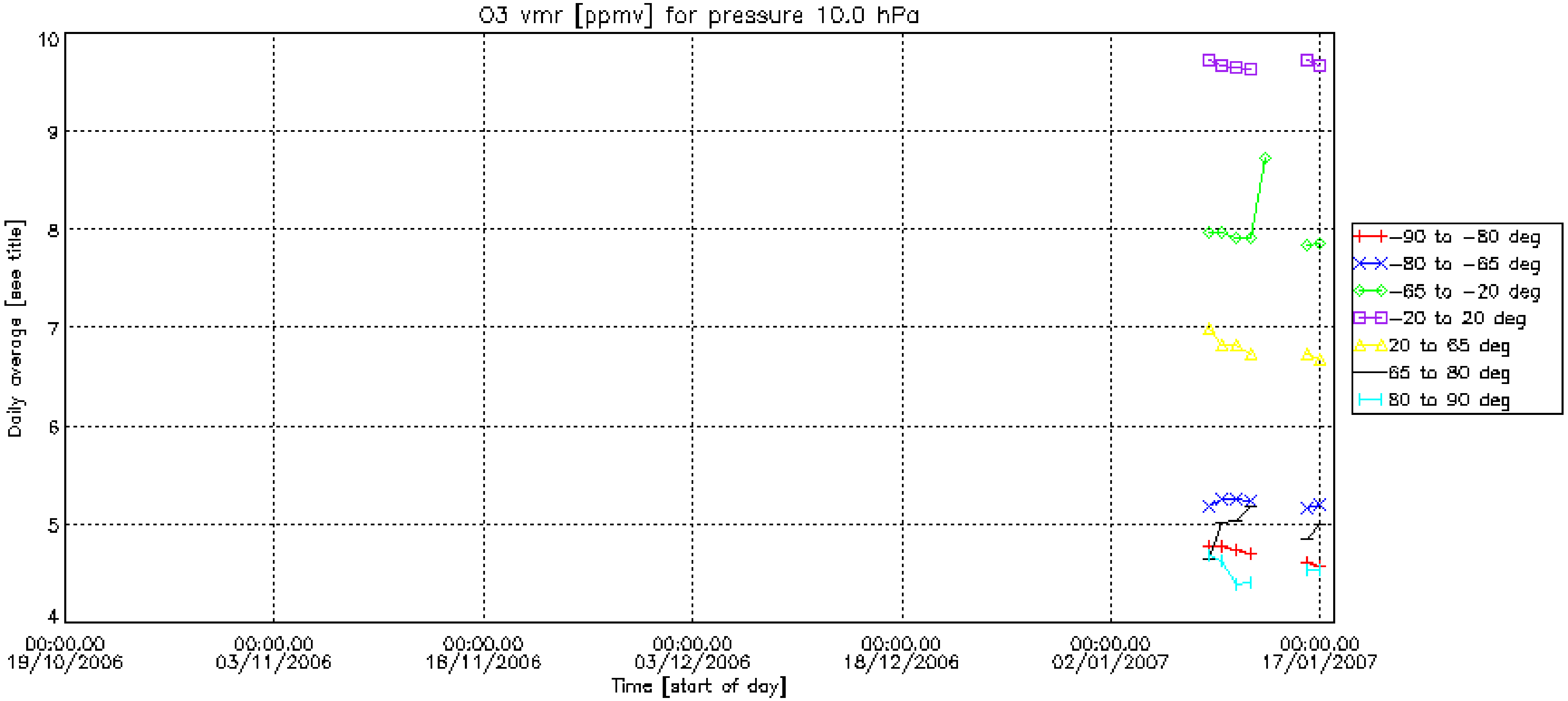


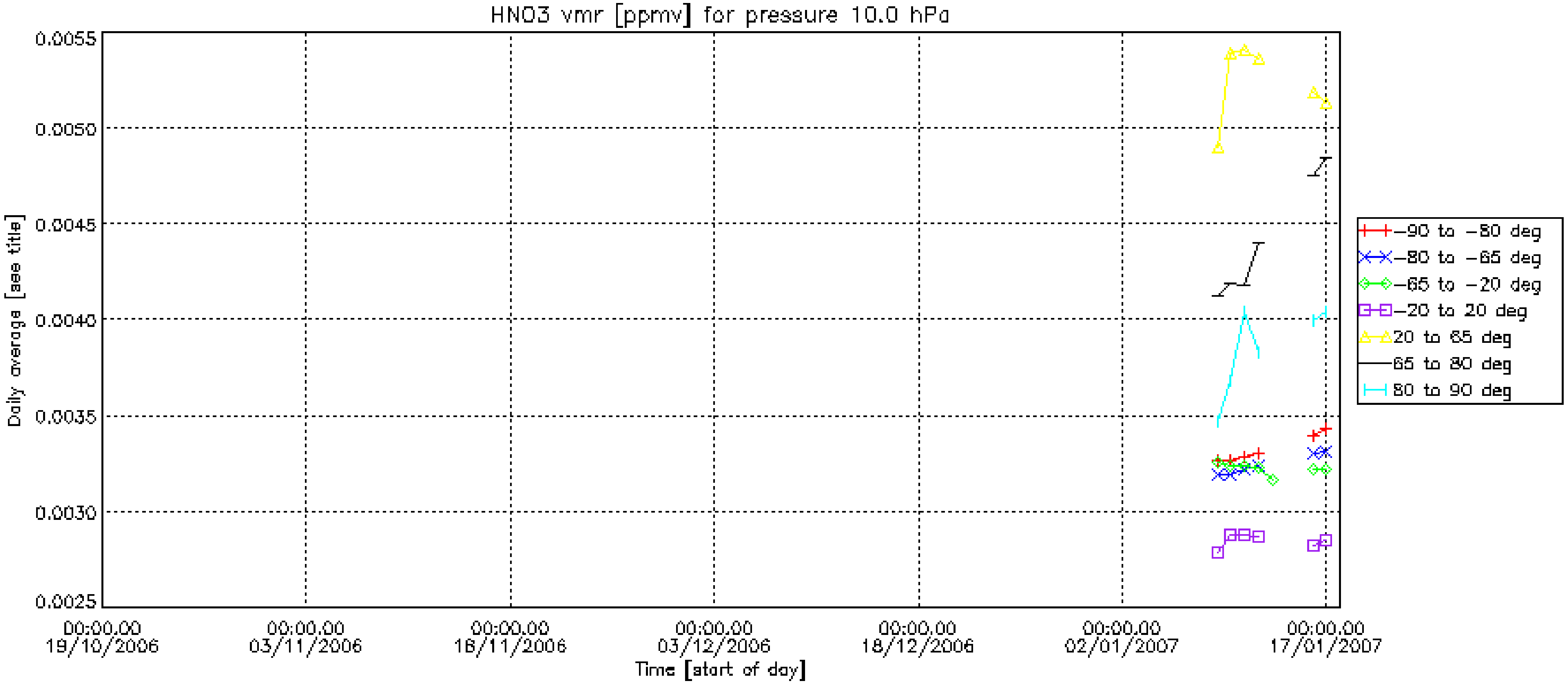
Temperature [K] for pressure 10.0 hPa
Daily average [see title]
250
240
230
220
210
200
190
00:00.00
19/10/2006
00:00.00
03/11/2006
00:00.00
18/11/2006
00:00.00
03/12/2006
00:00.00
18/12/2006
00:00.00
02/01/2007
00:00.00
17/01/2007
Time [start of day]
−90 to −80 deg
−80 to −65 deg
−65 to −20 deg
−20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg

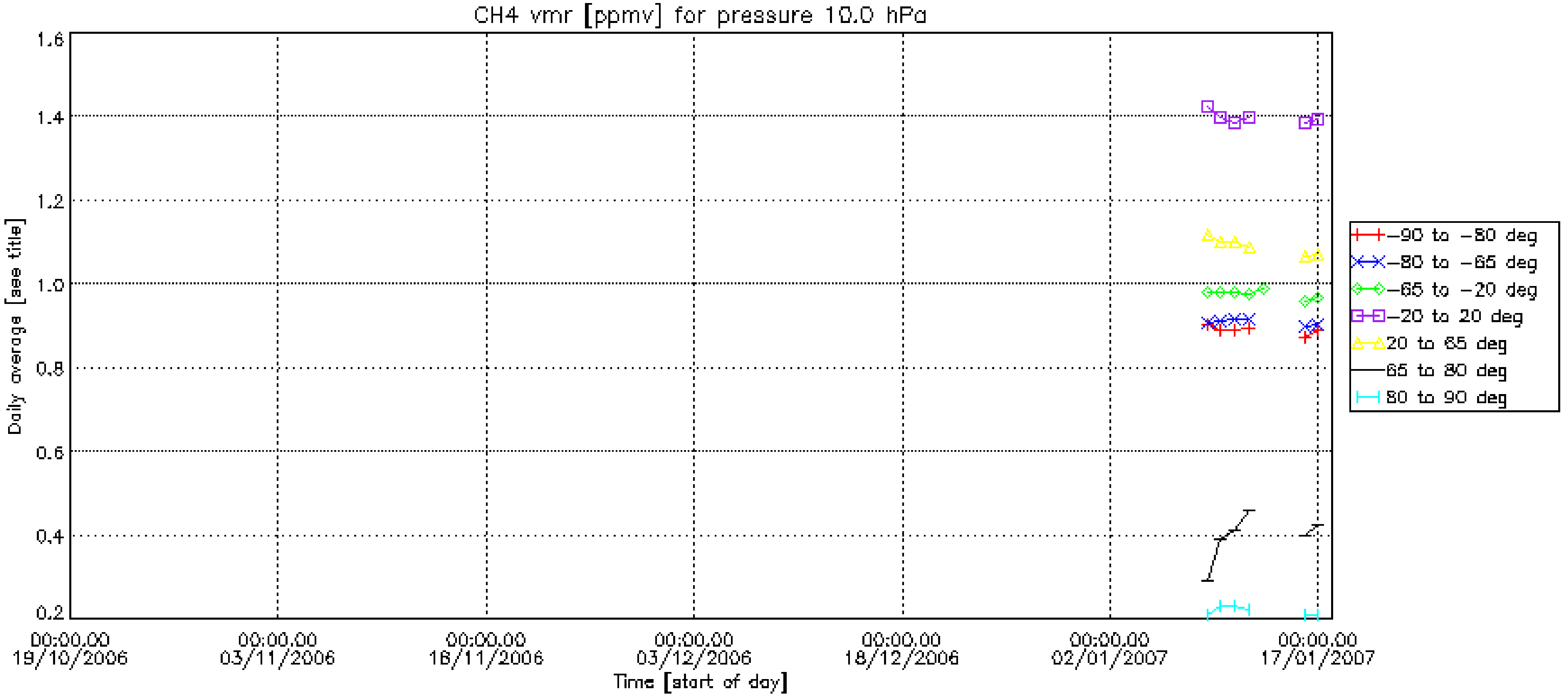


Tangent altitude [km] for pressure 10.0 hPa
32
31
30
29
28
27
Daily average [see title]
00:00.00
19/10/2006
00:00.00
03/11/2006
00:00.00
18/11/2006
00:00.00
03/12/2006
00:00.00
18/12/2006
00:00.00
02/01/2007
00:00.00
17/01/2007
Time [start of day]
−90 to −80 deg
−80 to −65 deg
−65 to −20 deg
−20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg

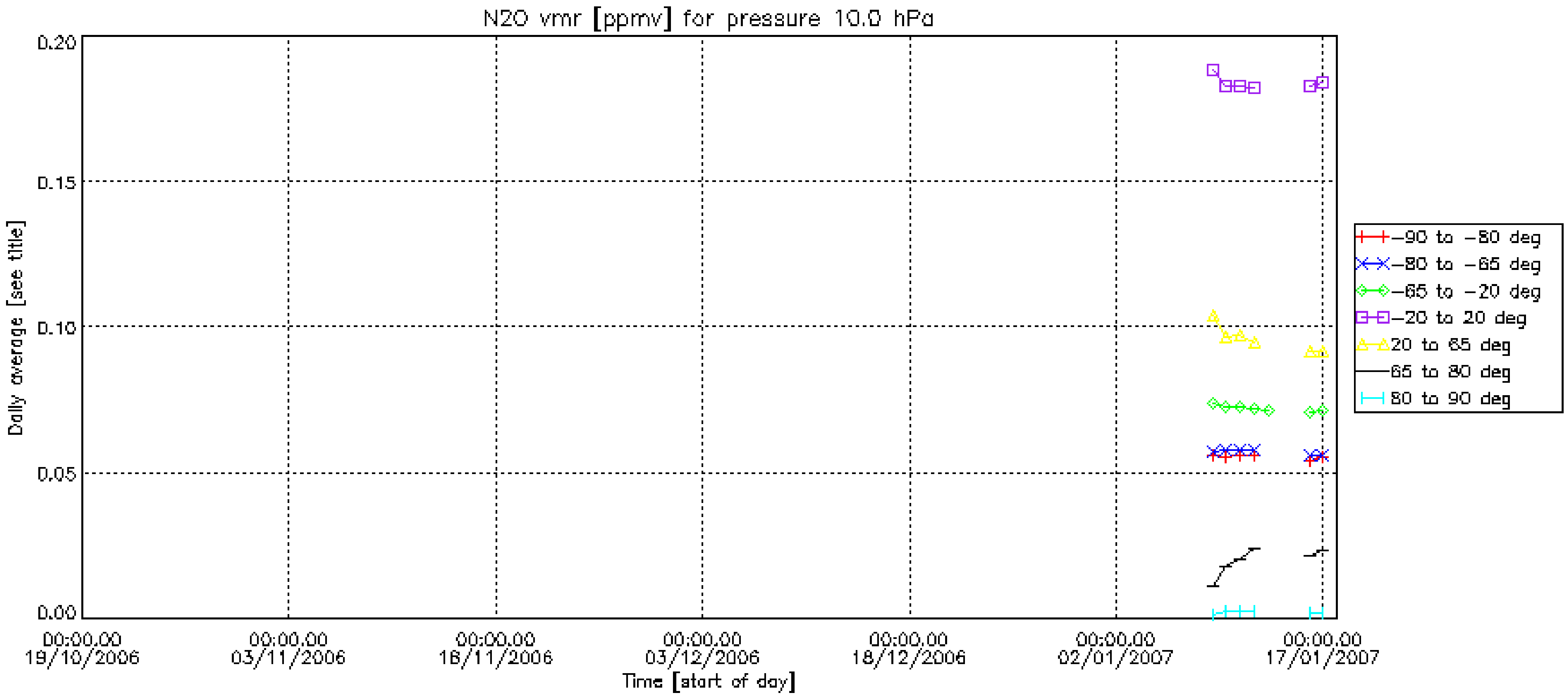

H2O vmr [ppmv] for pressure 10.0 hPa
7.5
7.0
6.5
6.0
5.5
5.0
4.5
Daily average [see title]
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
Time [start of day]
−90 to −80 deg
−80 to −65 deg
−65 to −20 deg
−20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg

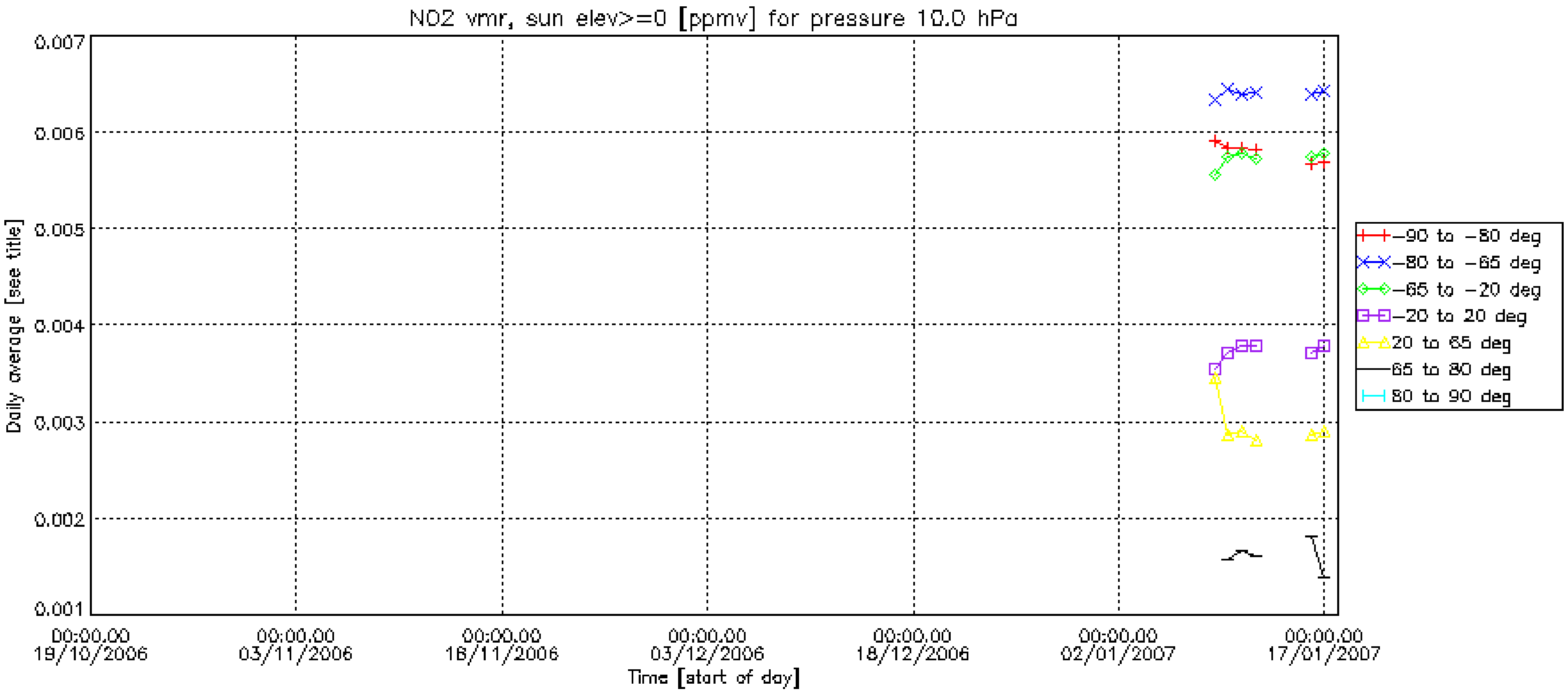

O3 vmr [ppmv] for pressure 10.0 hPa
Daily average [see title]
10
9
8
7
6
5
4
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
Time [start of day]
−90 to −80 deg
−80 to −65 deg
−65 to −20 deg
−20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg


HNO3 vmr [ppmv] for pressure 10.0 hPa
Daily average [see title]
0.0055
0.0050
0.0045
0.0040
0.0035
0.0030
0.0025
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
Time [start of day]
-90 to -80 deg
-80 to -65 deg
-65 to -20 deg
-20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg

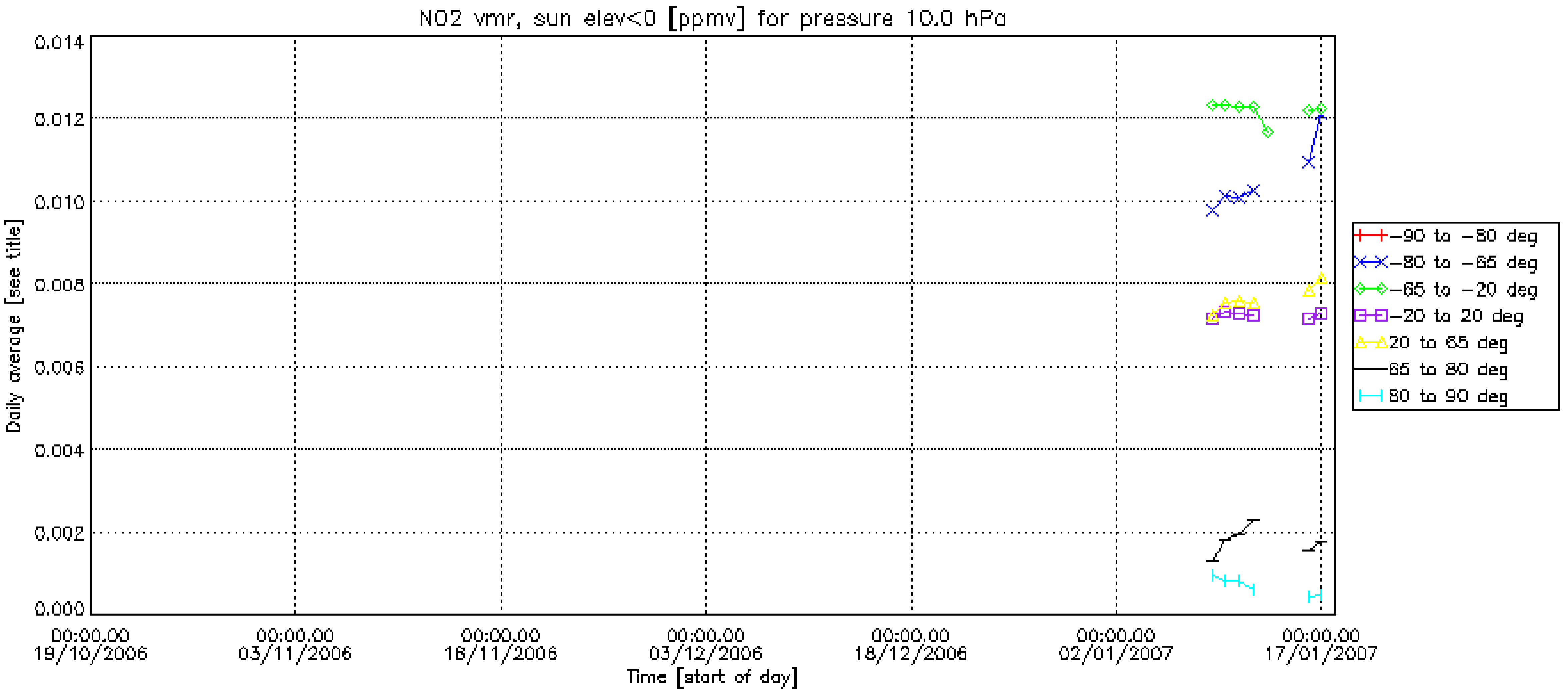


CH4 vmr [ppmv] for pressure 10.0 hPa
Daily average [see title]
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
Time [start of day]
−90 to −80 deg
−80 to −65 deg
−65 to −20 deg
−20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg

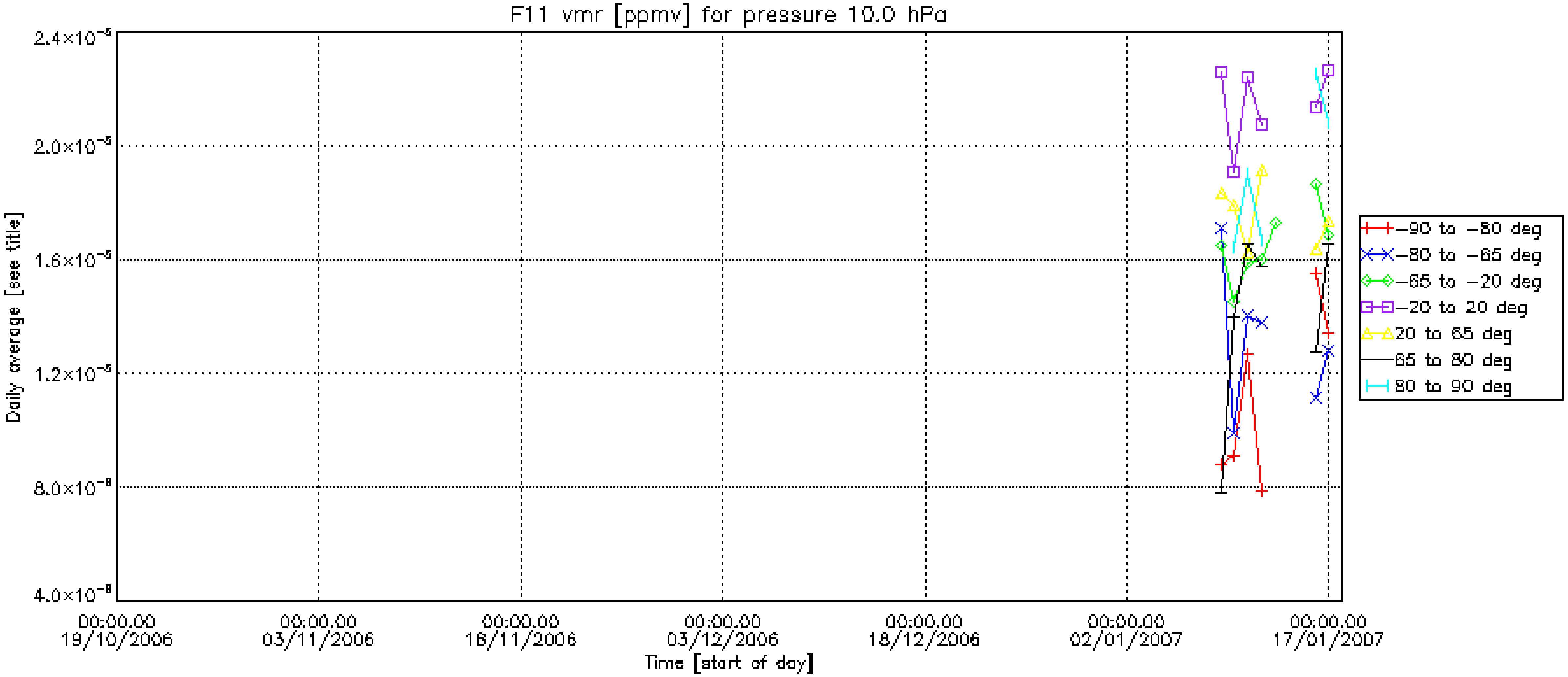

N2O vmr [ppmv] for pressure 10.0 hPa
Daily average [see title]
0.20
0.15
0.10
0.05
0.00
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
Time [start of day]
-90 to -80 deg
-80 to -65 deg
-65 to -20 deg
-20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg



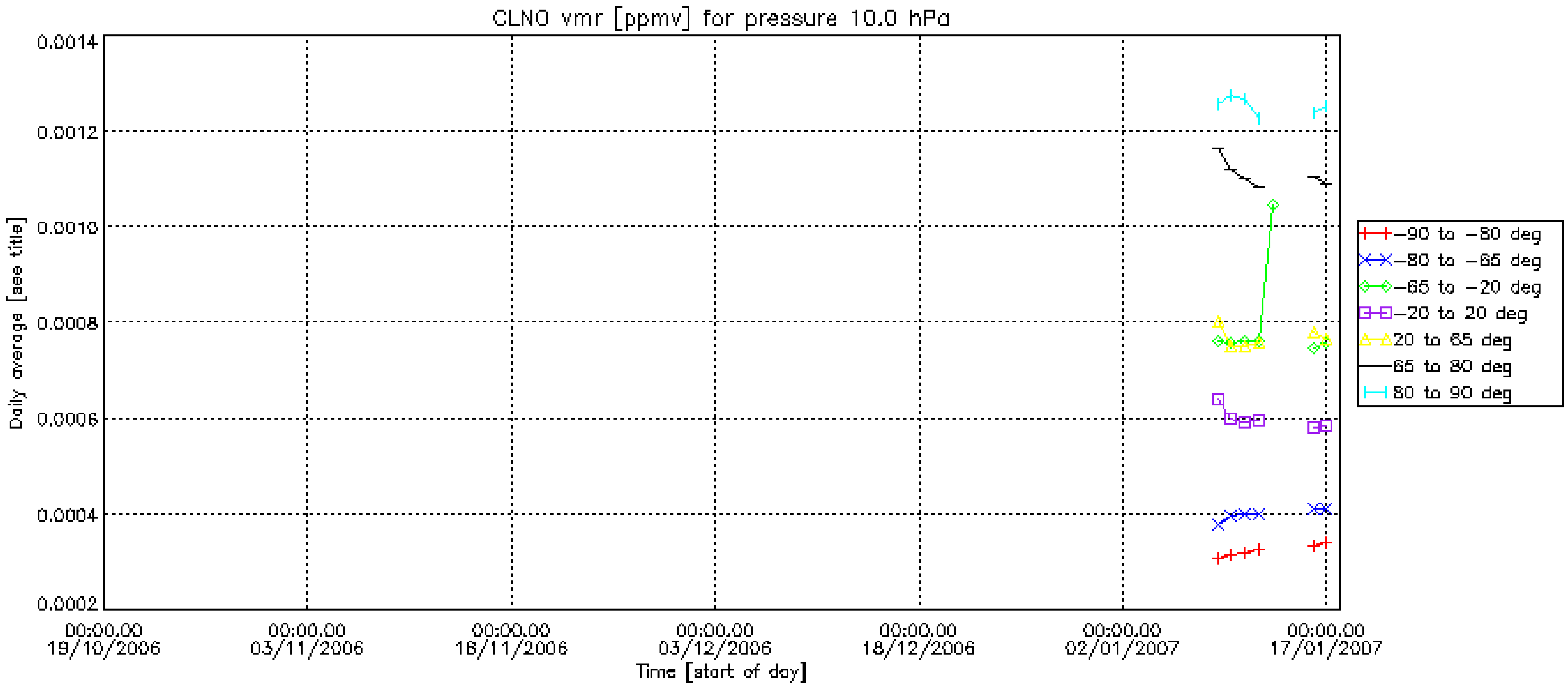
NO2 vmr, sun elev>=0 [ppmv] for pressure 10.0 hPa
Daily average [see title]
0.007
0.006
0.005
0.004
0.003
0.002
0.001
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
Time [start of day]
−90 to −80 deg
−80 to −65 deg
−65 to −20 deg
−20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg



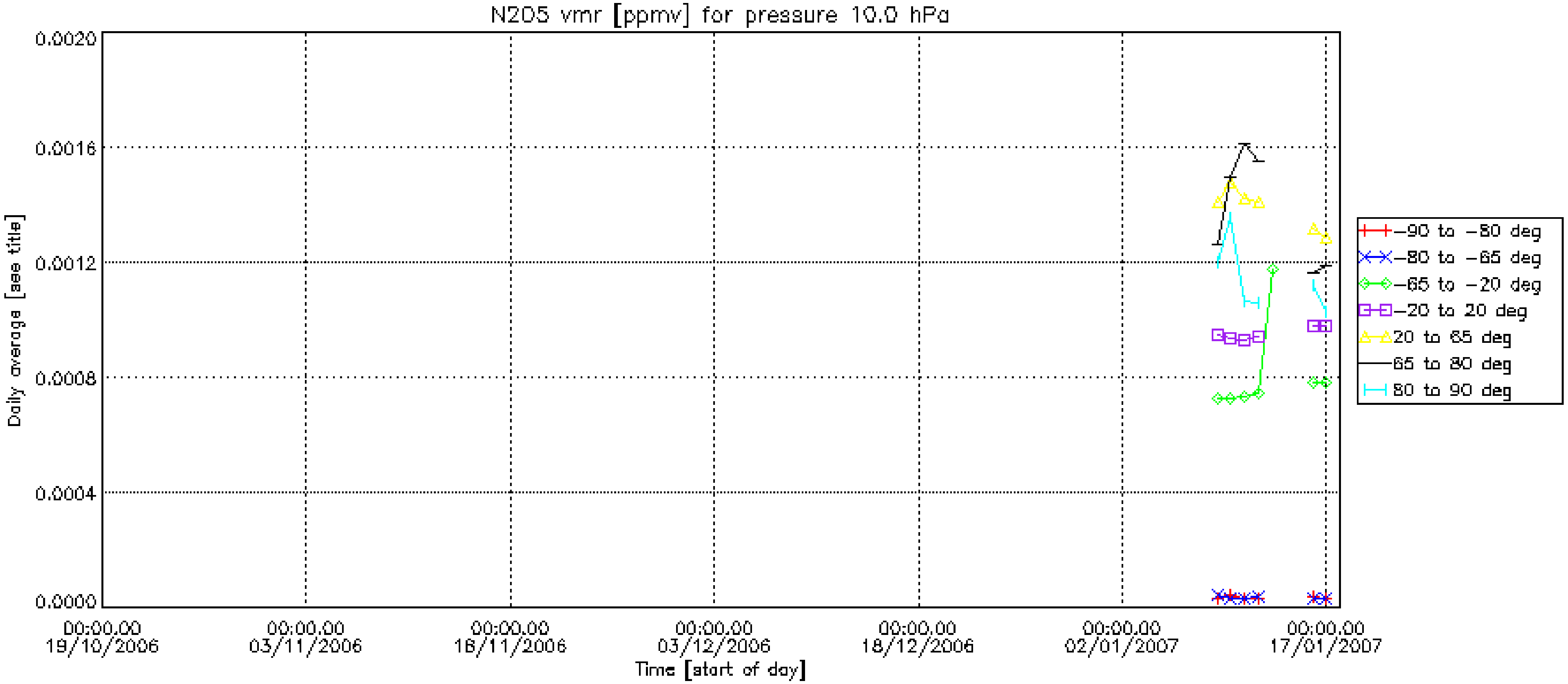
NO2 vmr, sun elev<0 [ppmv] for pressure 10.0 hPa
Daily average [see title]
0.014
0.012
0.010
0.008
0.006
0.004
0.002
0.000
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
Time [start of day]
−90 to −80 deg
−80 to −65 deg
−65 to −20 deg
−20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg

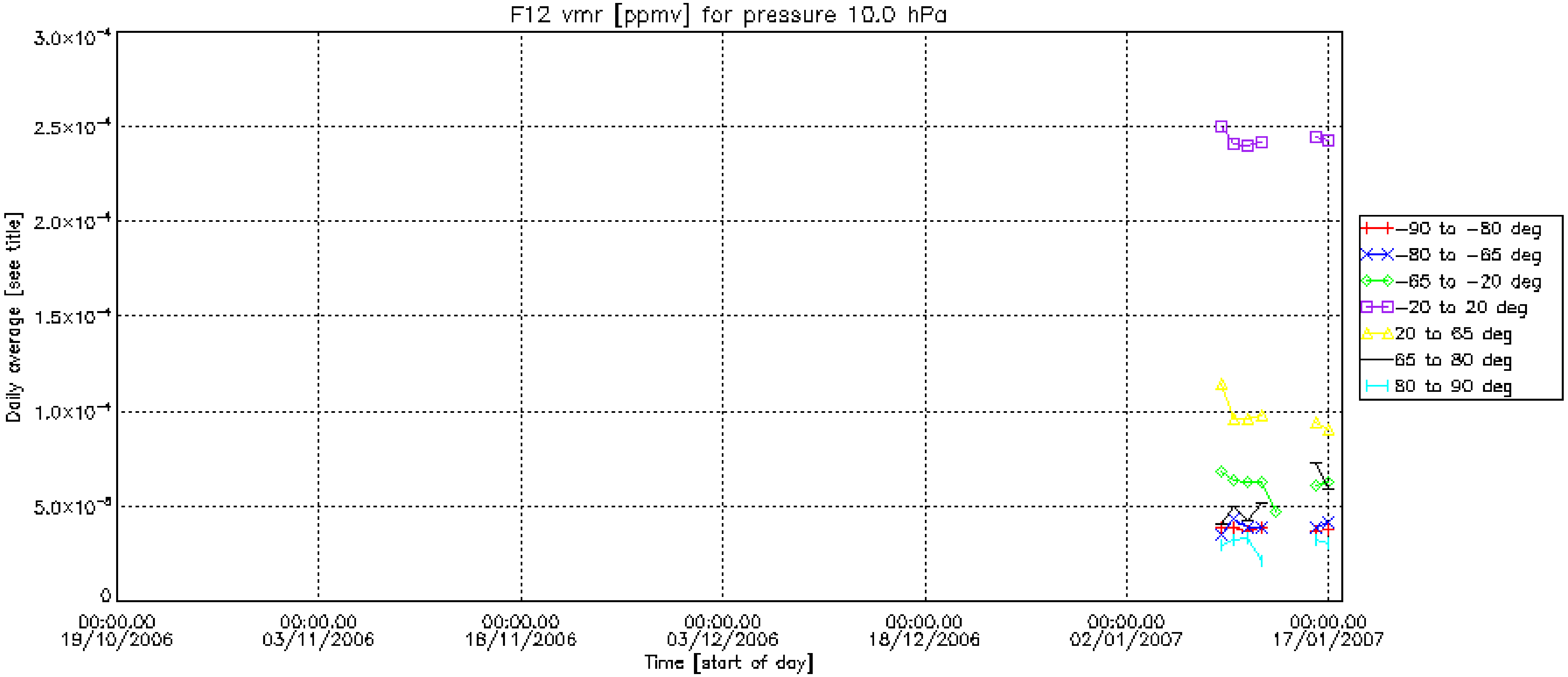


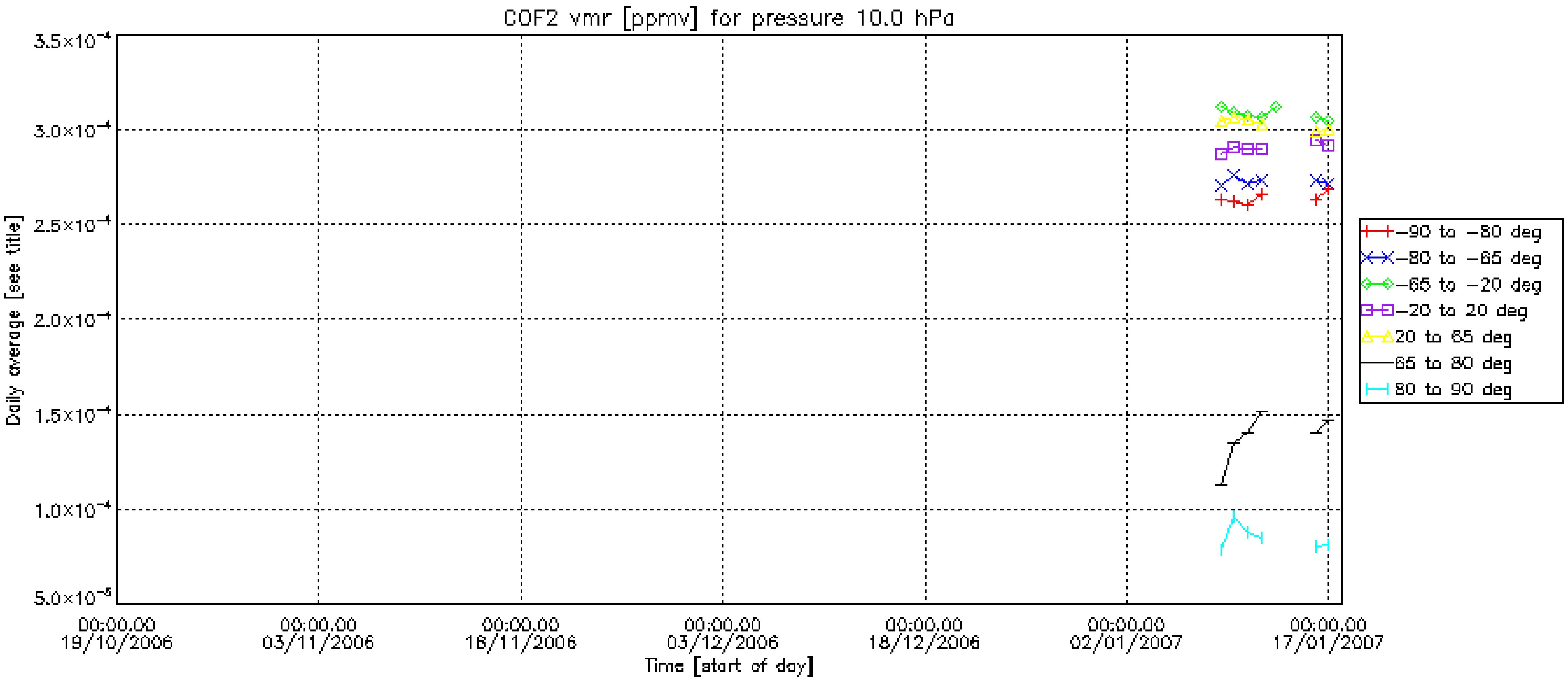
F11 vmr [ppmv] for pressure 10.0 hPa
2.4×10⁻⁵
2.0×10⁻⁵
1.6×10⁻⁵
1.2×10⁻⁵
8.0×10⁻⁶
4.0×10⁻⁶
Daily average [see title]
00:00:00 19/10/2006
00:00:00 03/11/2006
00:00:00 18/11/2006
00:00:00 03/12/2006
00:00:00 18/12/2006
00:00:00 02/01/2007
00:00:00 17/01/2007
Time [start of day]
−90 to −80 deg
−80 to −65 deg
−65 to −20 deg
−20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg

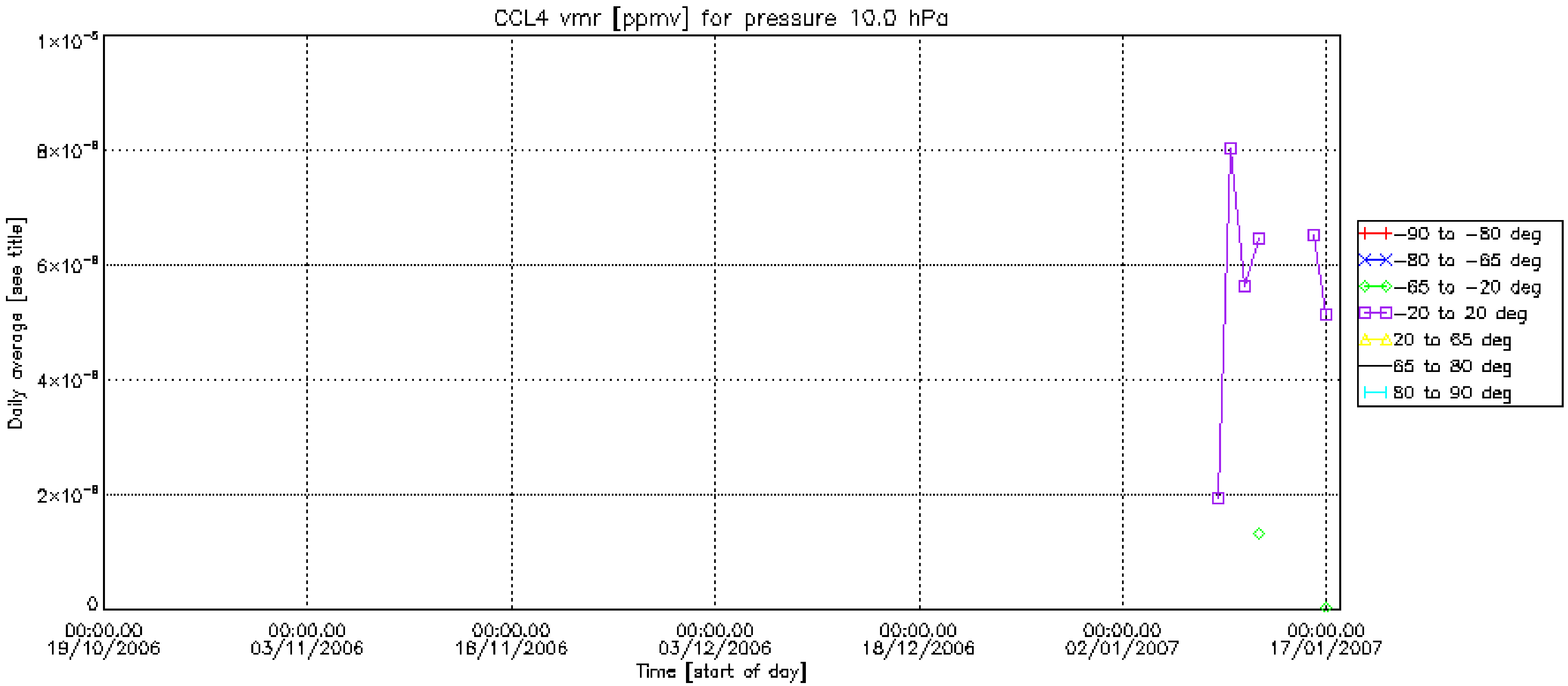


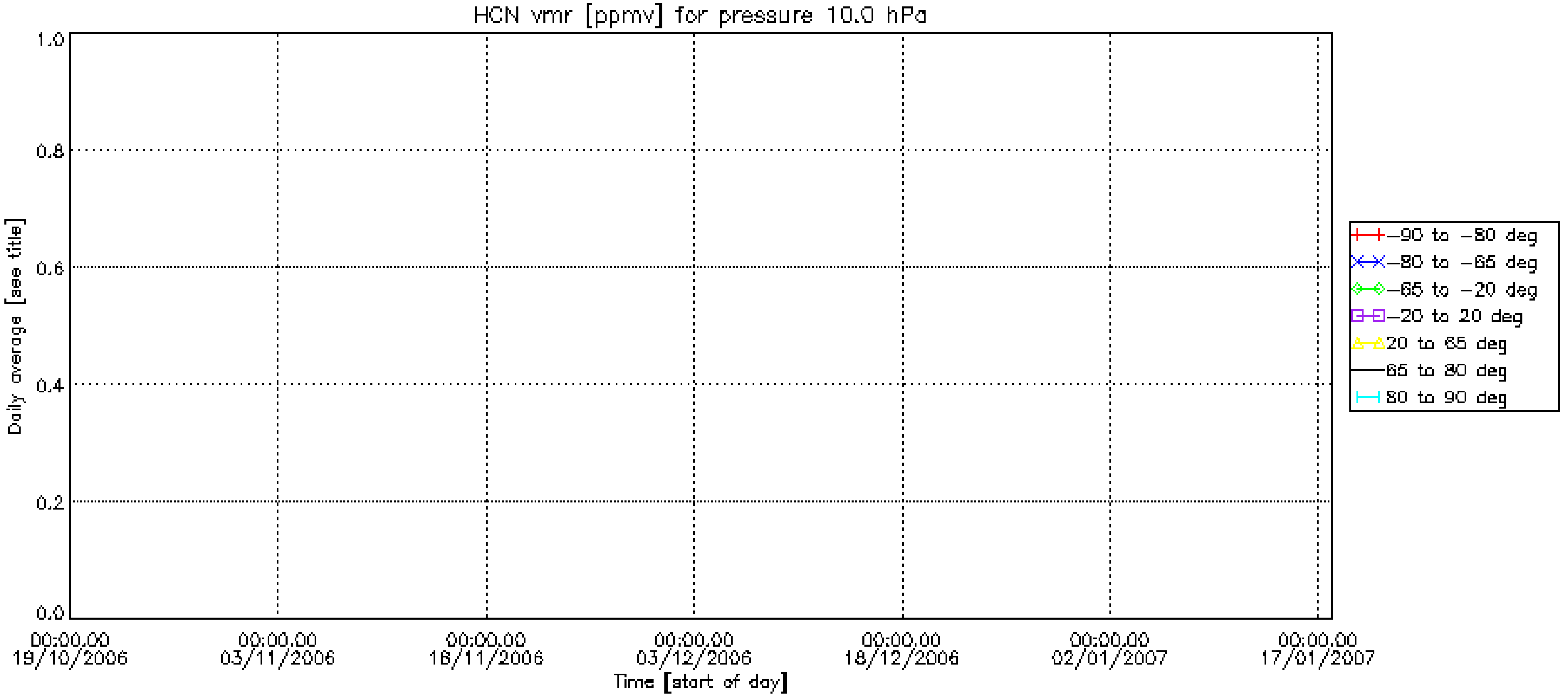
CLNO vmr [ppmv] for pressure 10.0 hPa
Daily average [see title]
0.0014
0.0012
0.0010
0.0008
0.0006
0.0004
0.0002
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
Time [start of day]
−90 to −80 deg
−80 to −65 deg
−65 to −20 deg
−20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg

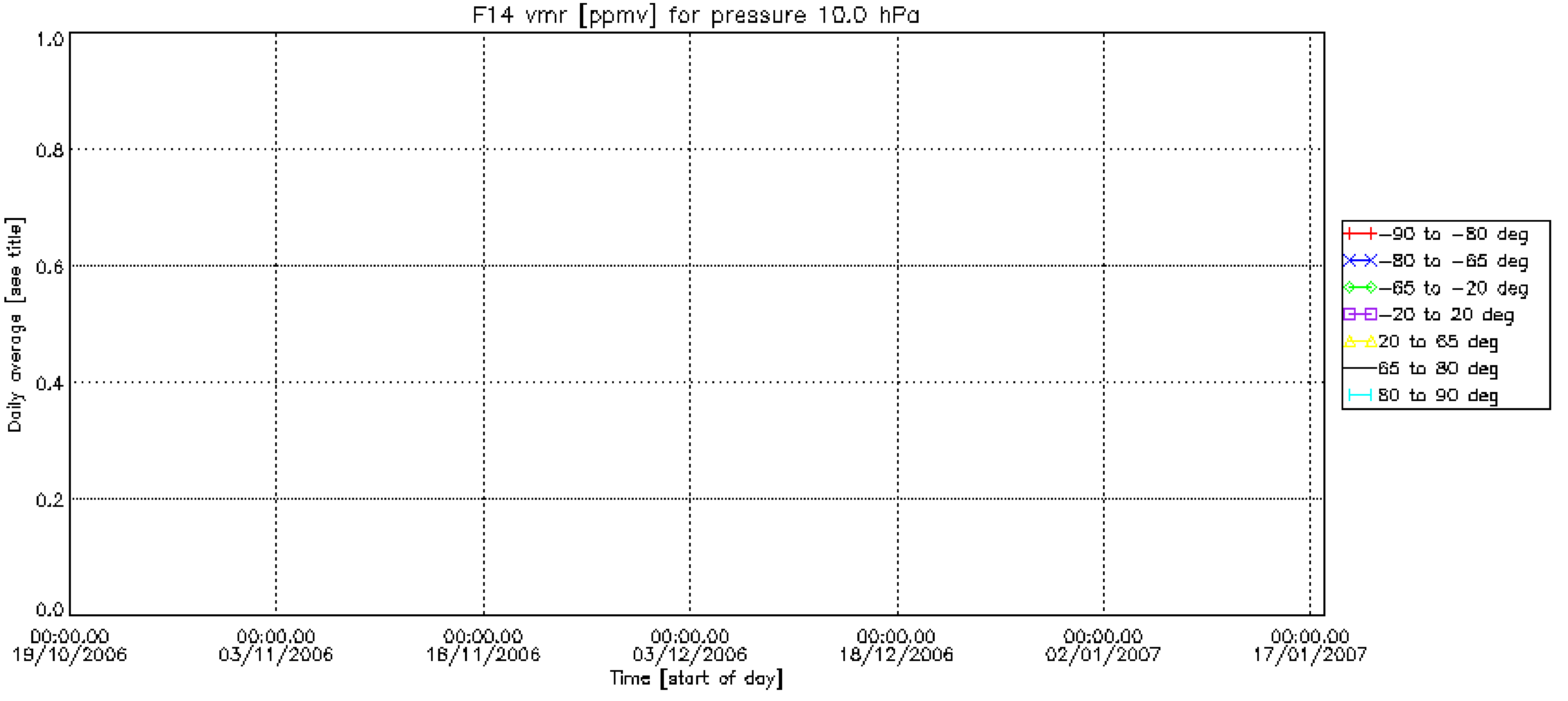

N2O5 vmr [ppmv] for pressure 10.0 hPa
Daily average [see title]
0.0020
0.0016
0.0012
0.0008
0.0004
0.0000
00:00.00
19/10/2006
00:00.00
03/11/2006
00:00.00
18/11/2006
00:00.00
03/12/2006
00:00.00
18/12/2006
00:00.00
02/01/2007
00:00.00
17/01/2007
Time [start of day]
−90 to −80 deg
−80 to −65 deg
−65 to −20 deg
−20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg


F12 vmr [ppmv] for pressure 10.0 hPa
Daily average [see title]
3.0×10⁻⁴
2.5×10⁻⁴
2.0×10⁻⁴
1.5×10⁻⁴
1.0×10⁻⁴
5.0×10⁻⁵
0
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
Time [start of day]
−90 to −80 deg
−80 to −65 deg
−65 to −20 deg
−20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg

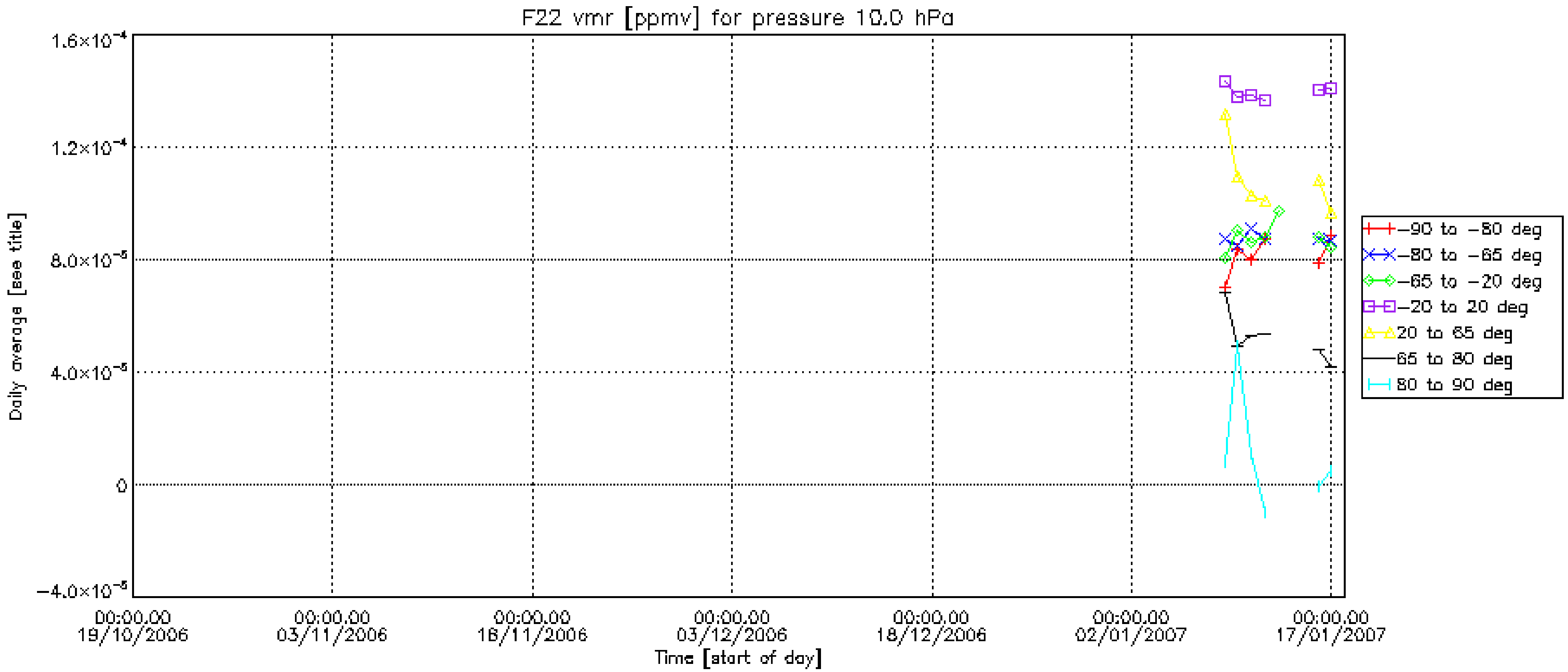

COF2 vmr [ppmv] for pressure 10.0 hPa
Daily average [see title]
3.5×10⁻⁴
3.0×10⁻⁴
2.5×10⁻⁴
2.0×10⁻⁴
1.5×10⁻⁴
1.0×10⁻⁴
5.0×10⁻⁵
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
Time [start of day]
−90 to −80 deg
−80 to −65 deg
−65 to −20 deg
−20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg


CCL4 vmr [ppmv] for pressure 10.0 hPa
1×10⁻⁵
8×10⁻⁶
6×10⁻⁶
4×10⁻⁶
2×10⁻⁶
0
Daily average [see title]
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
Time [start of day]
−90 to −80 deg
−80 to −65 deg
−65 to −20 deg
−20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg

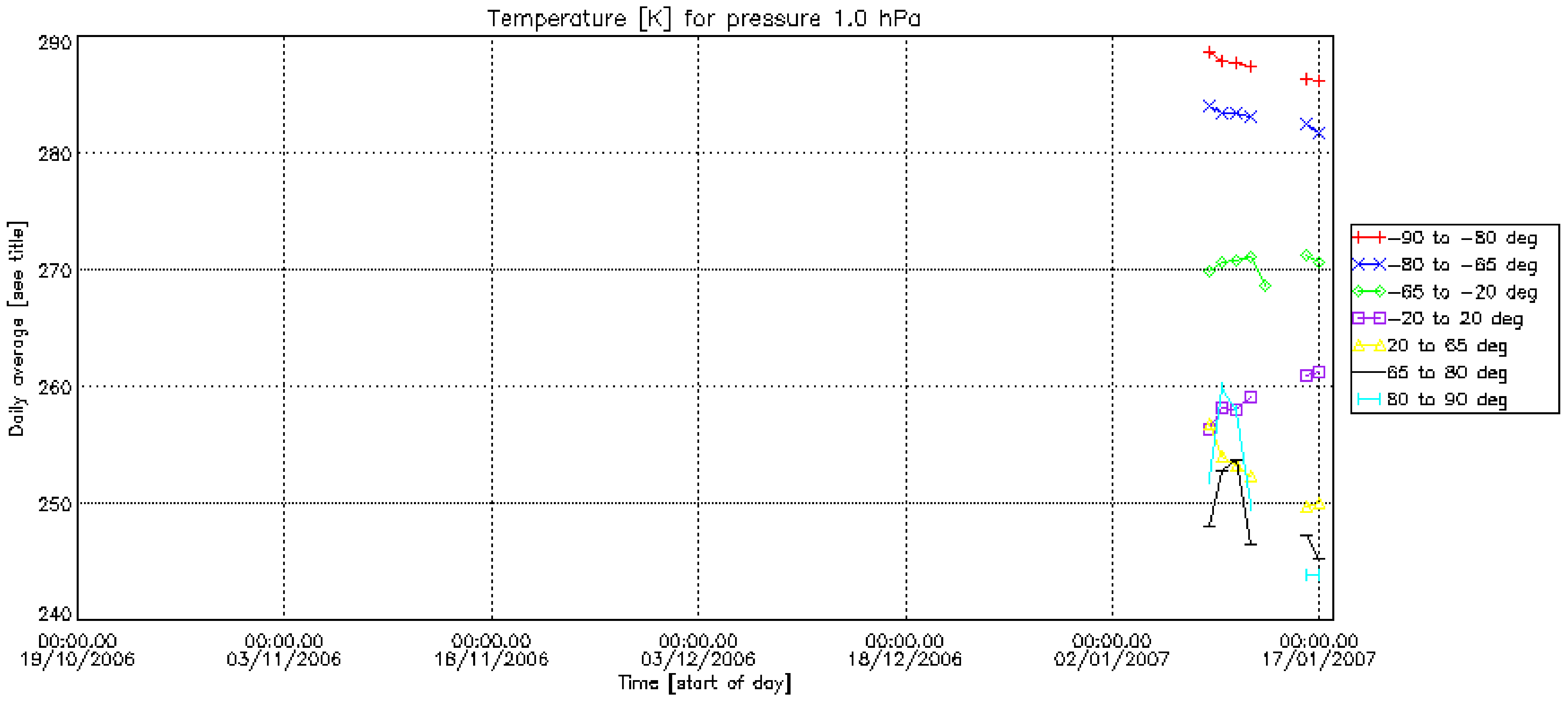

HCN vmr [ppmv] for pressure 10.0 hPa
Daily average [see title]
1.0
0.8
0.6
0.4
0.2
0.0
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
Time [start of day]
−90 to −80 deg
−80 to −65 deg
−65 to −20 deg
−20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg



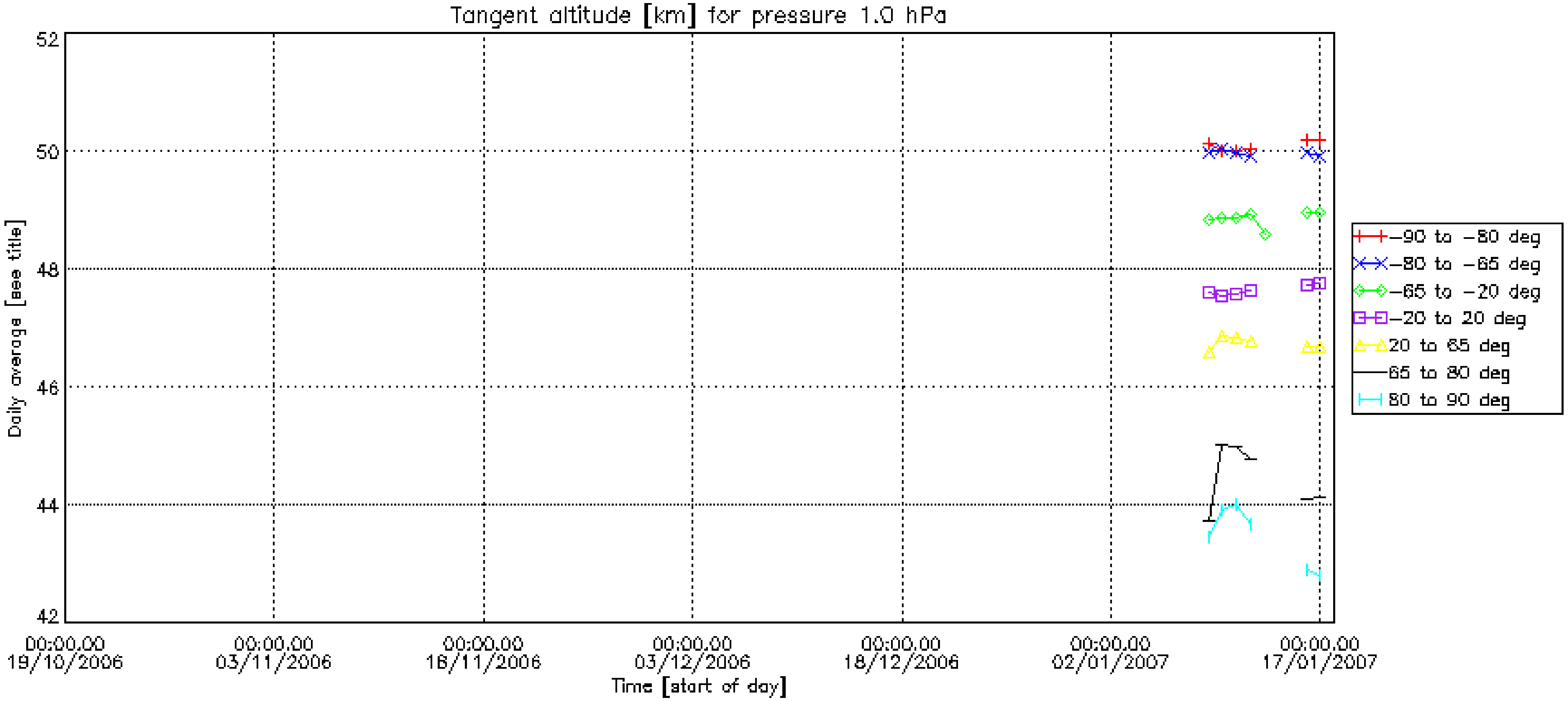
F14 vmr [ppmv] for pressure 10.0 hPa
1.0
0.8
0.6
0.4
0.2
0.0
Daily average [see title]
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
Time [start of day]
−90 to −80 deg
−80 to −65 deg
−65 to −20 deg
−20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg



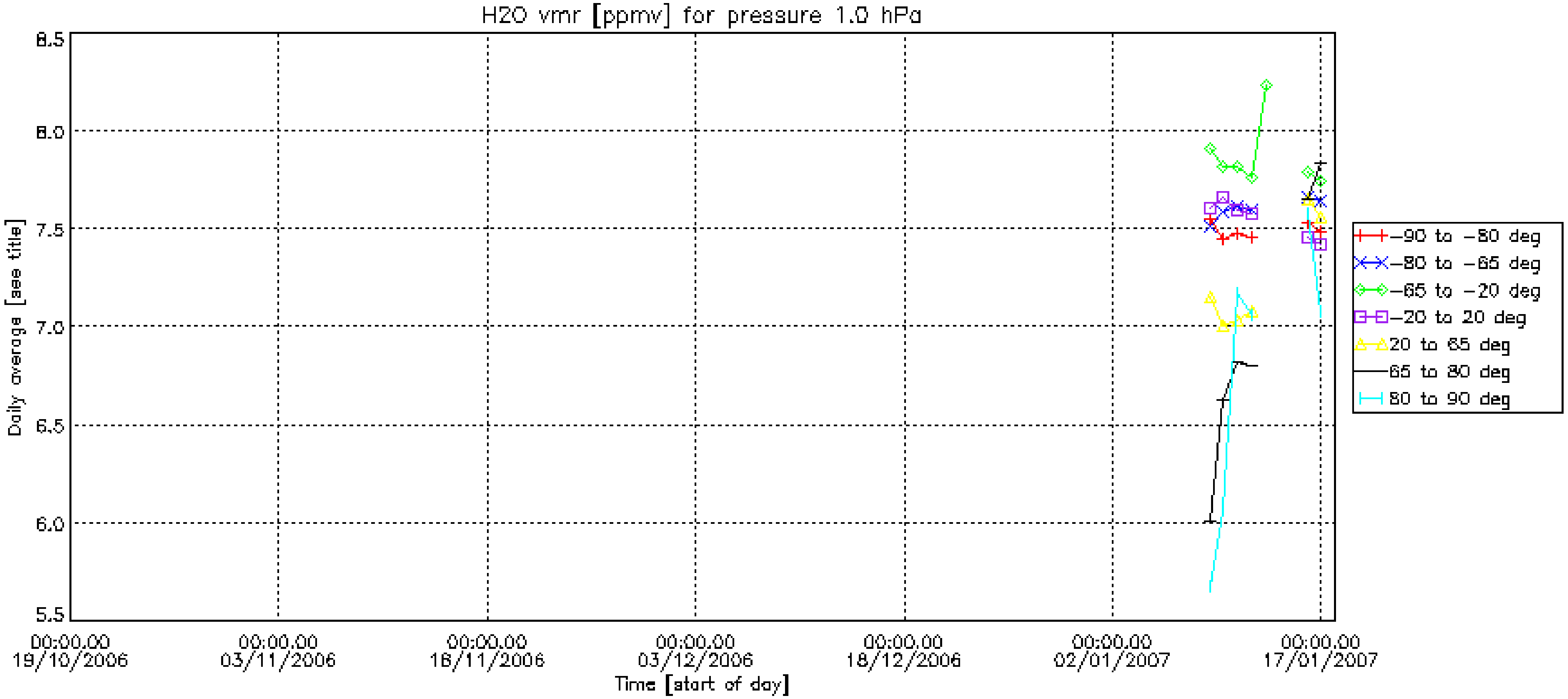
F22 vmr [ppmv] for pressure 10.0 hPa
1.6×10⁻⁴
1.2×10⁻⁴
8.0×10⁻⁵
4.0×10⁻⁵
0
−4.0×10⁻⁵
Daily average [see title]
00:00.00
19/10/2006
00:00.00
03/11/2006
00:00.00
18/11/2006
00:00.00
03/12/2006
00:00.00
18/12/2006
00:00.00
02/01/2007
00:00.00
17/01/2007
Time [start of day]
−90 to −80 deg
−80 to −65 deg
−65 to −20 deg
−20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg



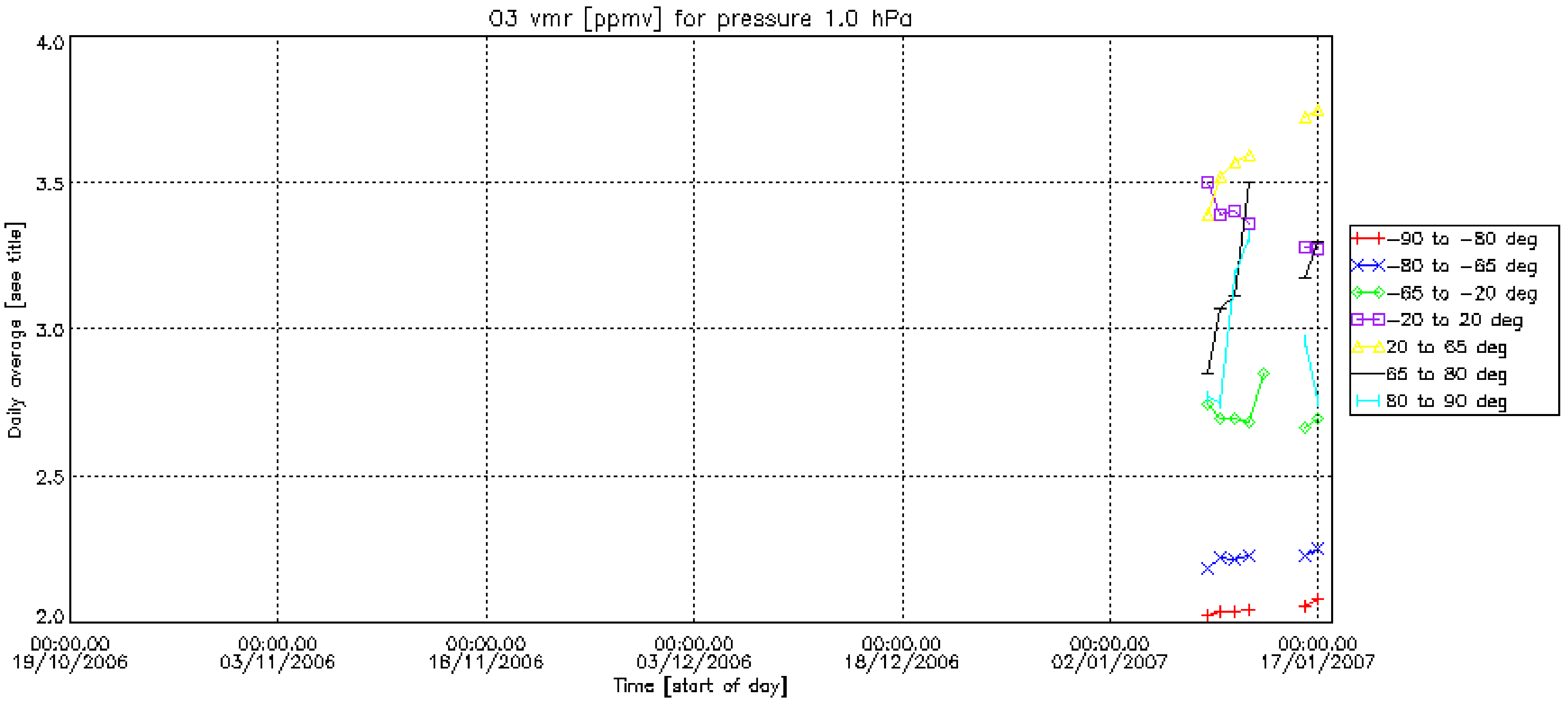
Temperature [K] for pressure 1.0 hPa
Daily average [see title]
290
280
270
260
250
240
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
Time [start of day]
−90 to −80 deg
−80 to −65 deg
−65 to −20 deg
−20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg

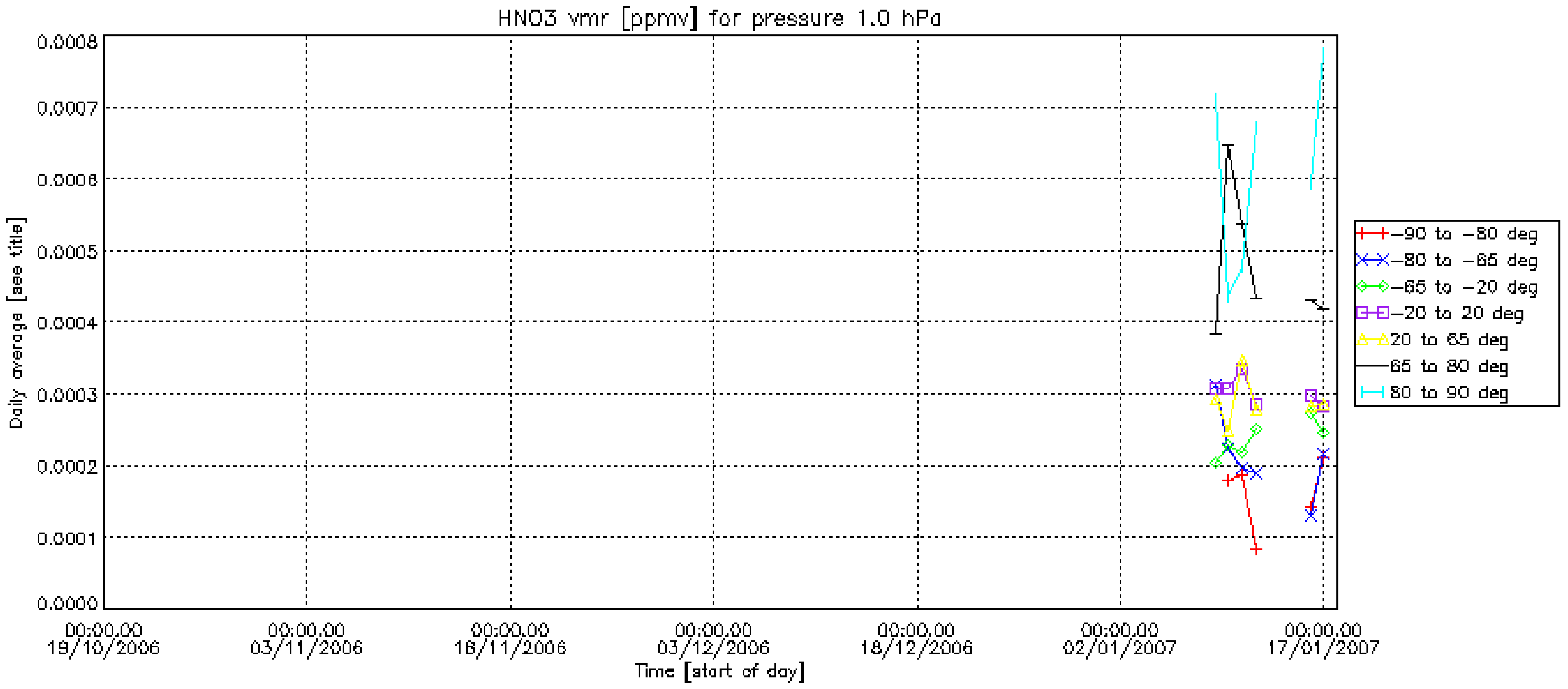


Tangent altitude [km] for pressure 1.0 hPa
Daily average [see title]
52
50
48
46
44
42
00:00:00 19/10/2006
00:00:00 03/11/2006
00:00:00 18/11/2006
00:00:00 03/12/2006
00:00:00 18/12/2006
00:00:00 02/01/2007
00:00:00 17/01/2007
Time [start of day]
−90 to −80 deg
−80 to −65 deg
−65 to −20 deg
−20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg

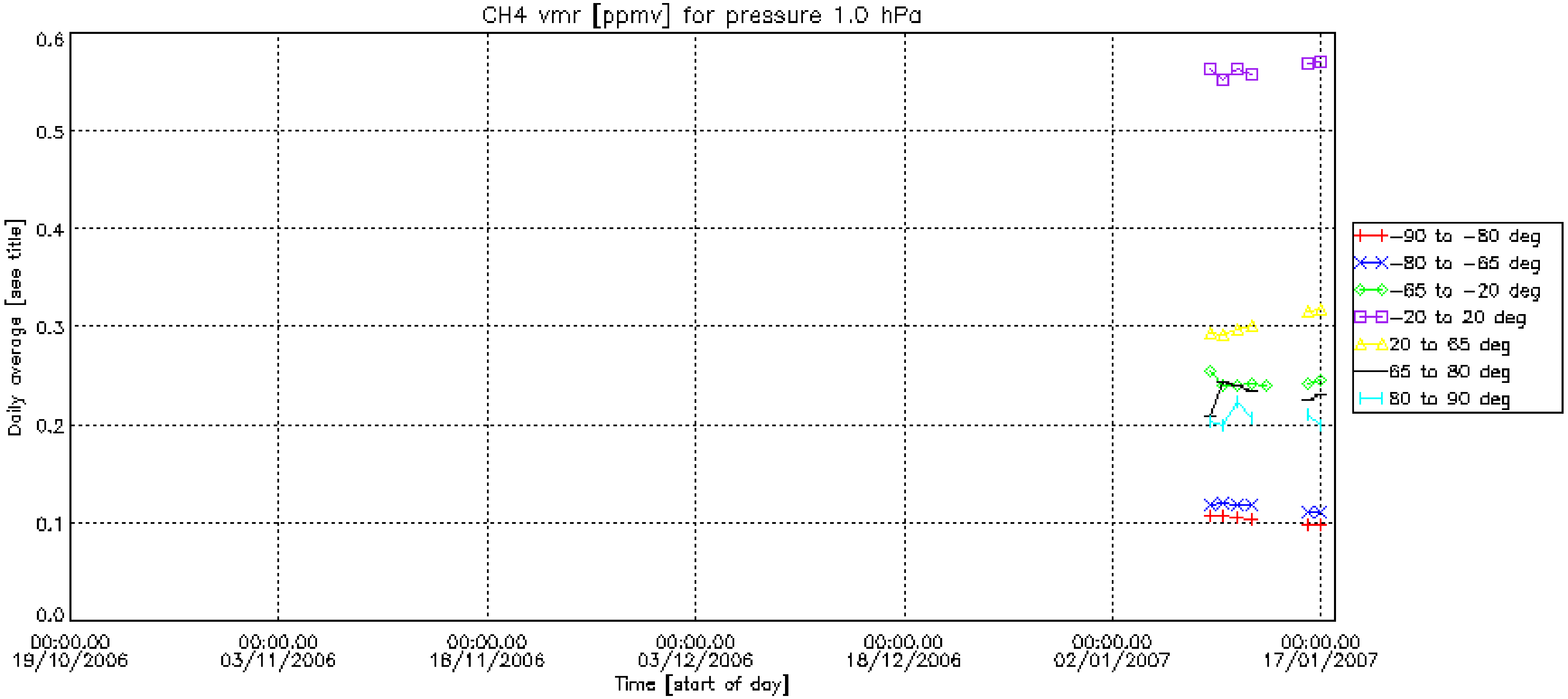


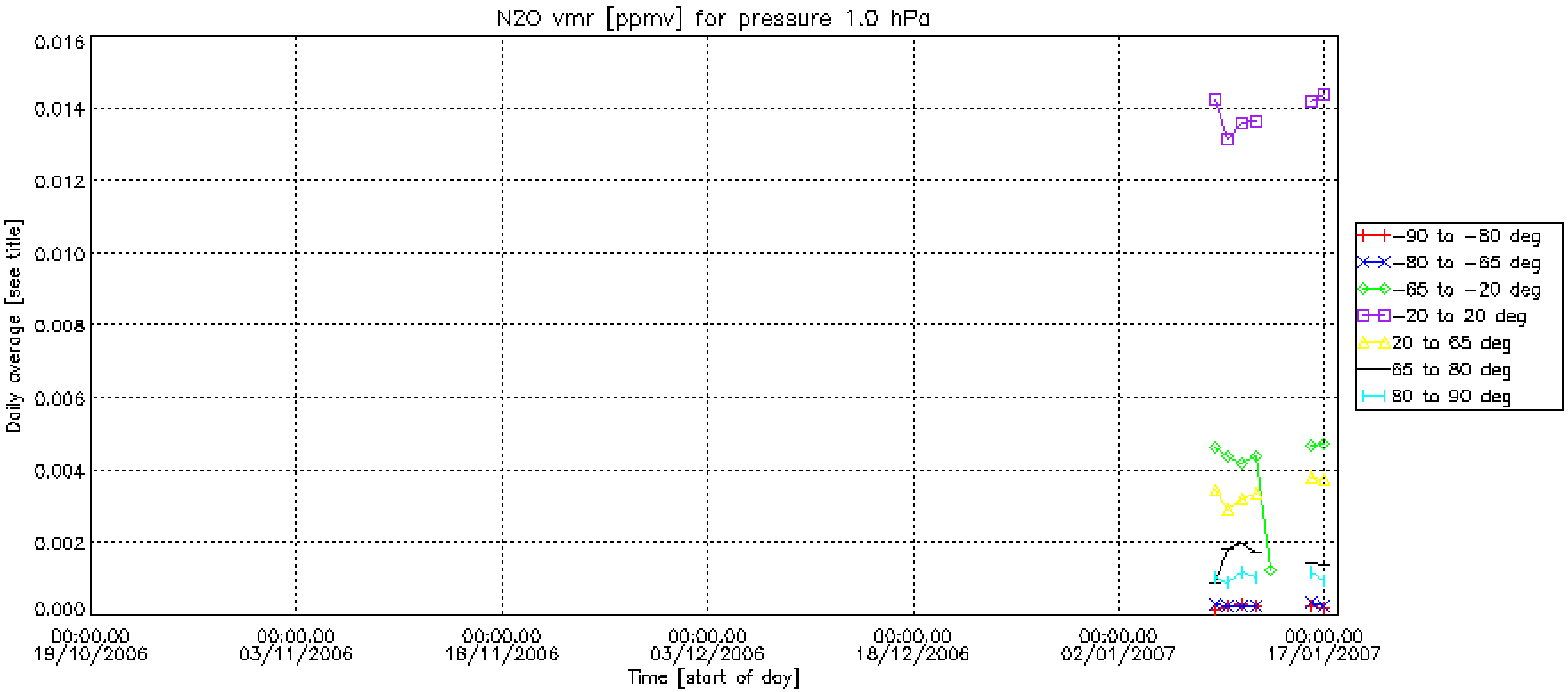
H2O vmr [ppmv] for pressure 1.0 hPa
Daily average [see title]
8.5
8.0
7.5
7.0
6.5
6.0
5.5
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
Time [start of day]
−90 to −80 deg
−80 to −65 deg
−65 to −20 deg
−20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg

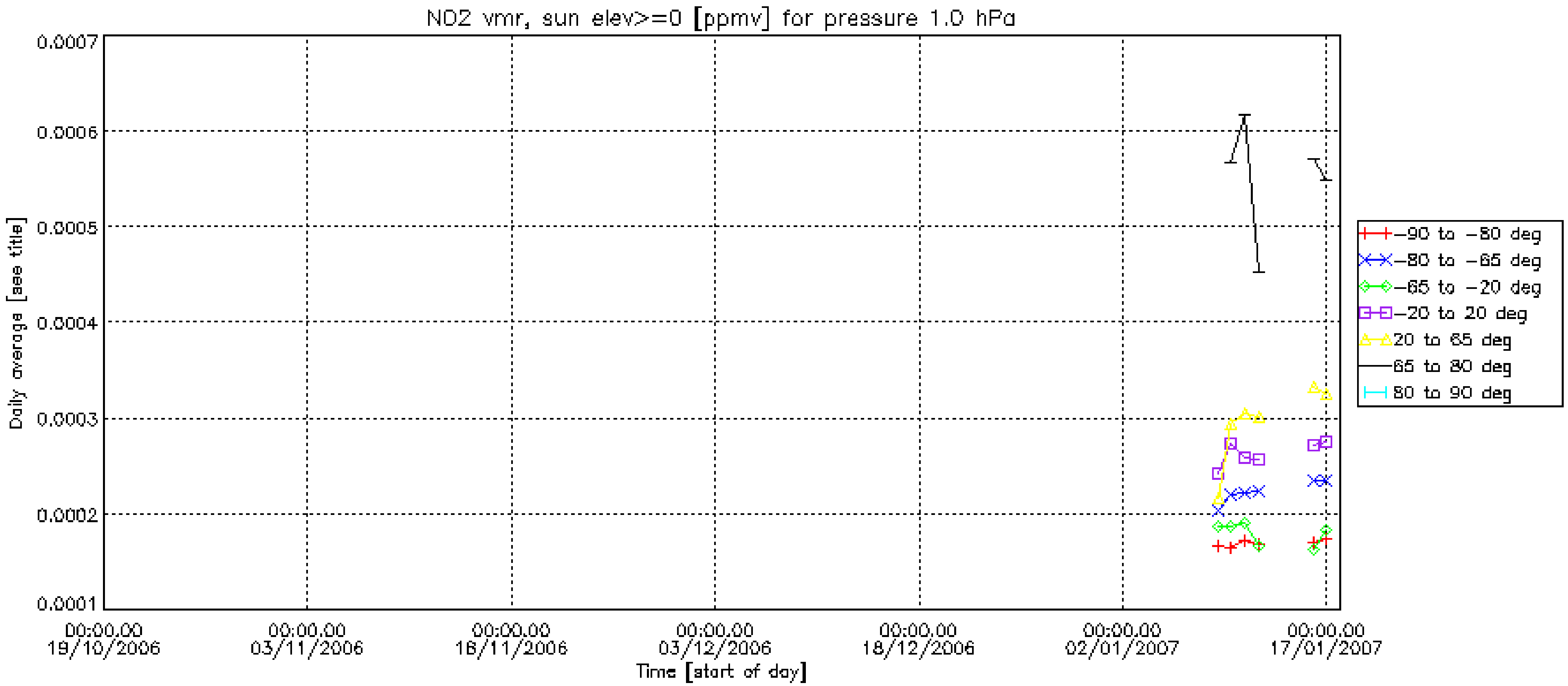

O3 vmr [ppmv] for pressure 1.0 hPa
Daily average [see title]
4.0
3.5
3.0
2.5
2.0
00:00.00
19/10/2006
00:00.00
03/11/2006
00:00.00
18/11/2006
00:00.00
03/12/2006
00:00.00
18/12/2006
00:00.00
02/01/2007
00:00.00
17/01/2007
Time [start of day]
-90 to -80 deg
-80 to -65 deg
-65 to -20 deg
-20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg



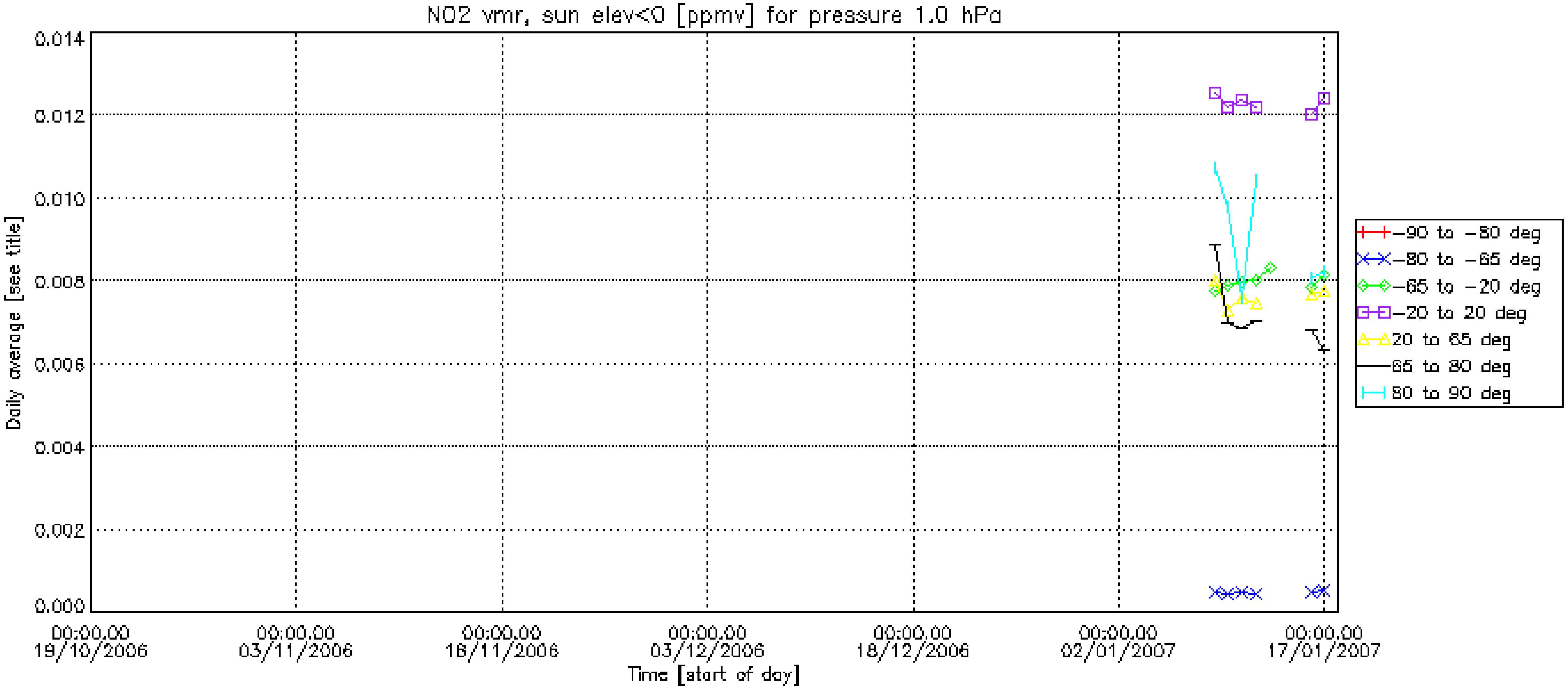
HNO3 vmr [ppmv] for pressure 1.0 hPa
0.0008
0.0007
0.0006
0.0005
0.0004
0.0003
0.0002
0.0001
0.0000
Daily average [see title]
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
Time [start of day]
-90 to -80 deg
-80 to -65 deg
-65 to -20 deg
-20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg


CH4 vmr [ppmv] for pressure 1.0 hPa
Daily average [see title]
0.6
0.5
0.4
0.3
0.2
0.1
0.0
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
Time [start of day]
−90 to −80 deg
−80 to −65 deg
−65 to −20 deg
−20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg

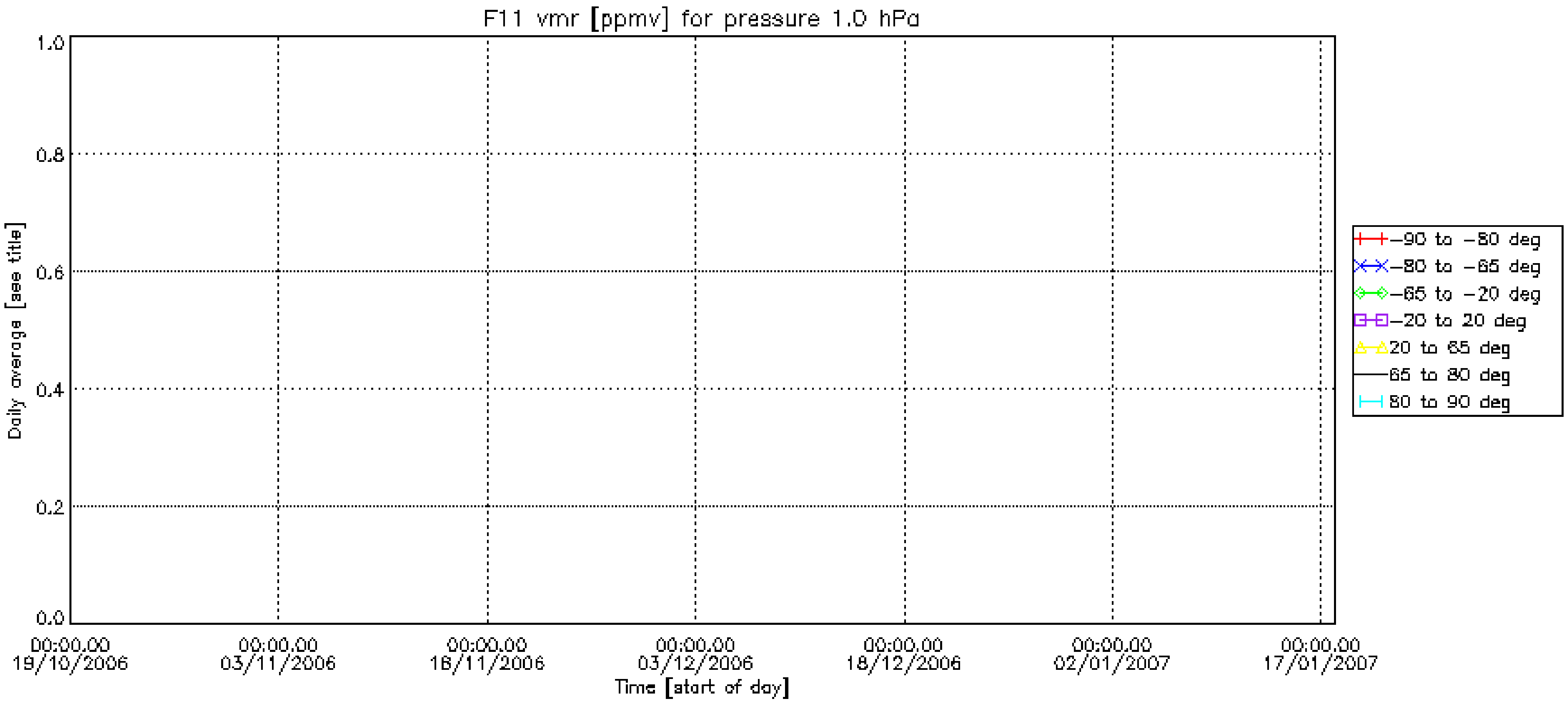

N2O vmr [ppmv] for pressure 1.0 hPa
Daily average [see title]
0.016
0.014
0.012
0.010
0.008
0.006
0.004
0.002
0.000
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
Time [start of day]
−90 to −80 deg
−80 to −65 deg
−65 to −20 deg
−20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg

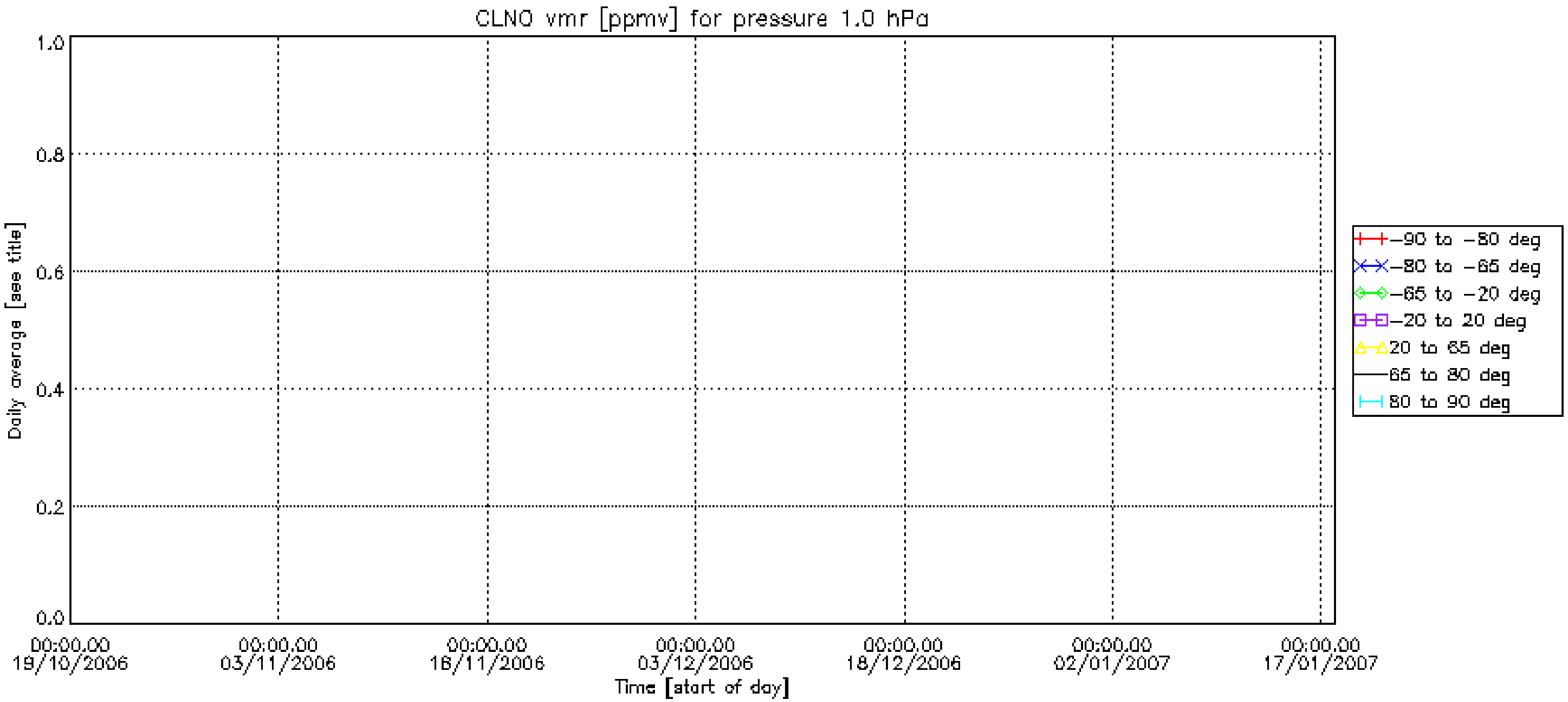


NO2 vmr, sun elev>=0 [ppmv] for pressure 1.0 hPa
0.0007
0.0006
0.0005
0.0004
0.0003
0.0002
0.0001
Daily average [see title]
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
Time [start of day]
−90 to −80 deg
−80 to −65 deg
−65 to −20 deg
−20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg

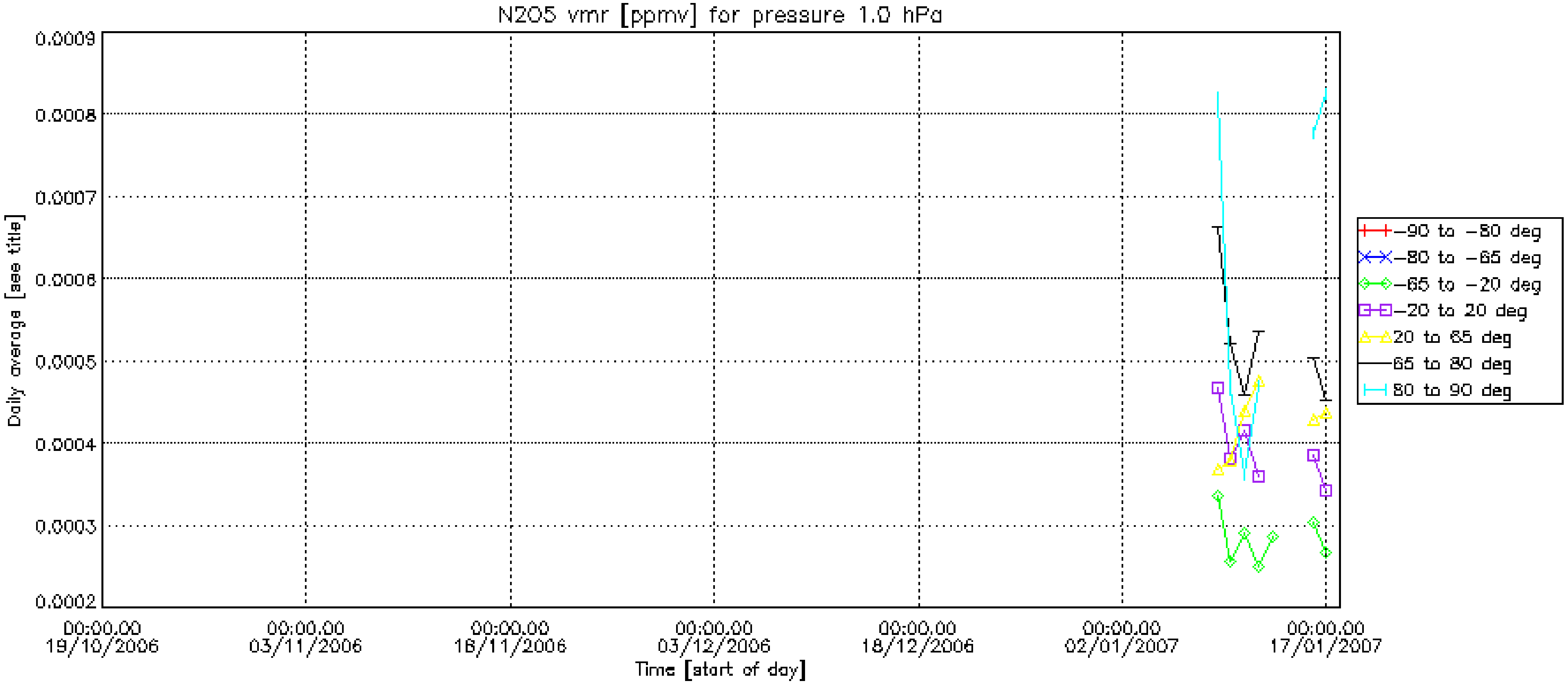


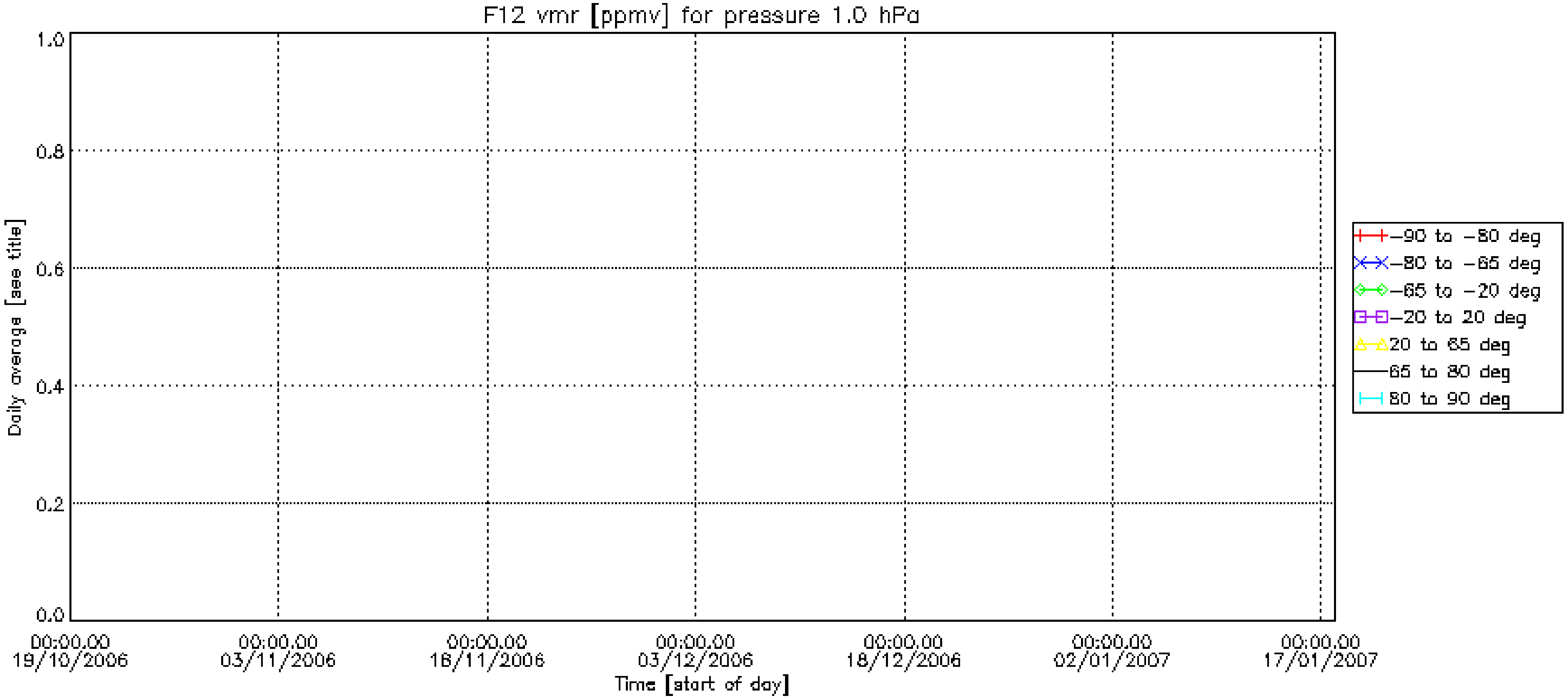
NO2 vmr, sun elev<0 [ppmv] for pressure 1.0 hPa
Daily average [see title]
0.014
0.012
0.010
0.008
0.006
0.004
0.002
0.000
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
Time [start of day]
−90 to −80 deg
−80 to −65 deg
−65 to −20 deg
−20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg

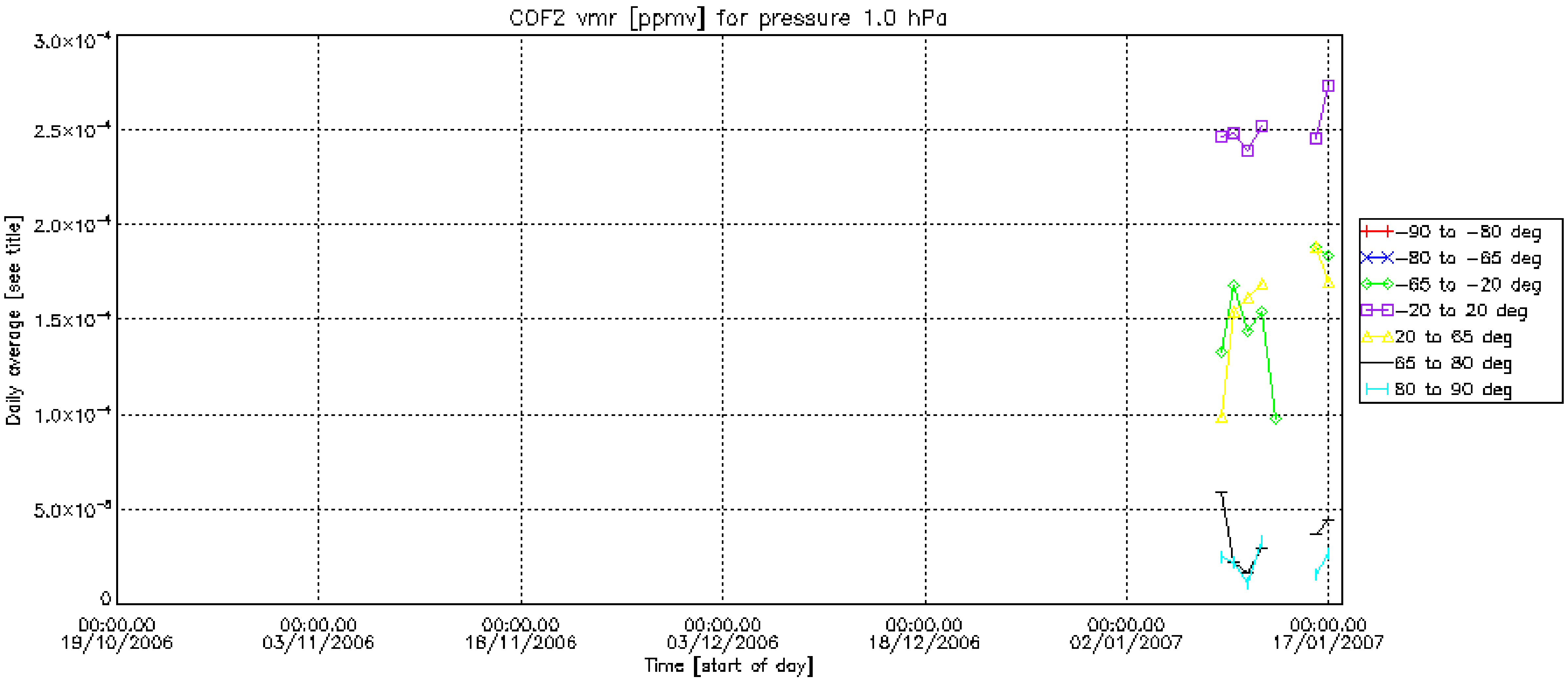

F11 vmr [ppmv] for pressure 1.0 hPa
Daily average [see title]
1.0
0.8
0.6
0.4
0.2
0.0
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
Time [start of day]
−90 to −80 deg
−80 to −65 deg
−65 to −20 deg
−20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg



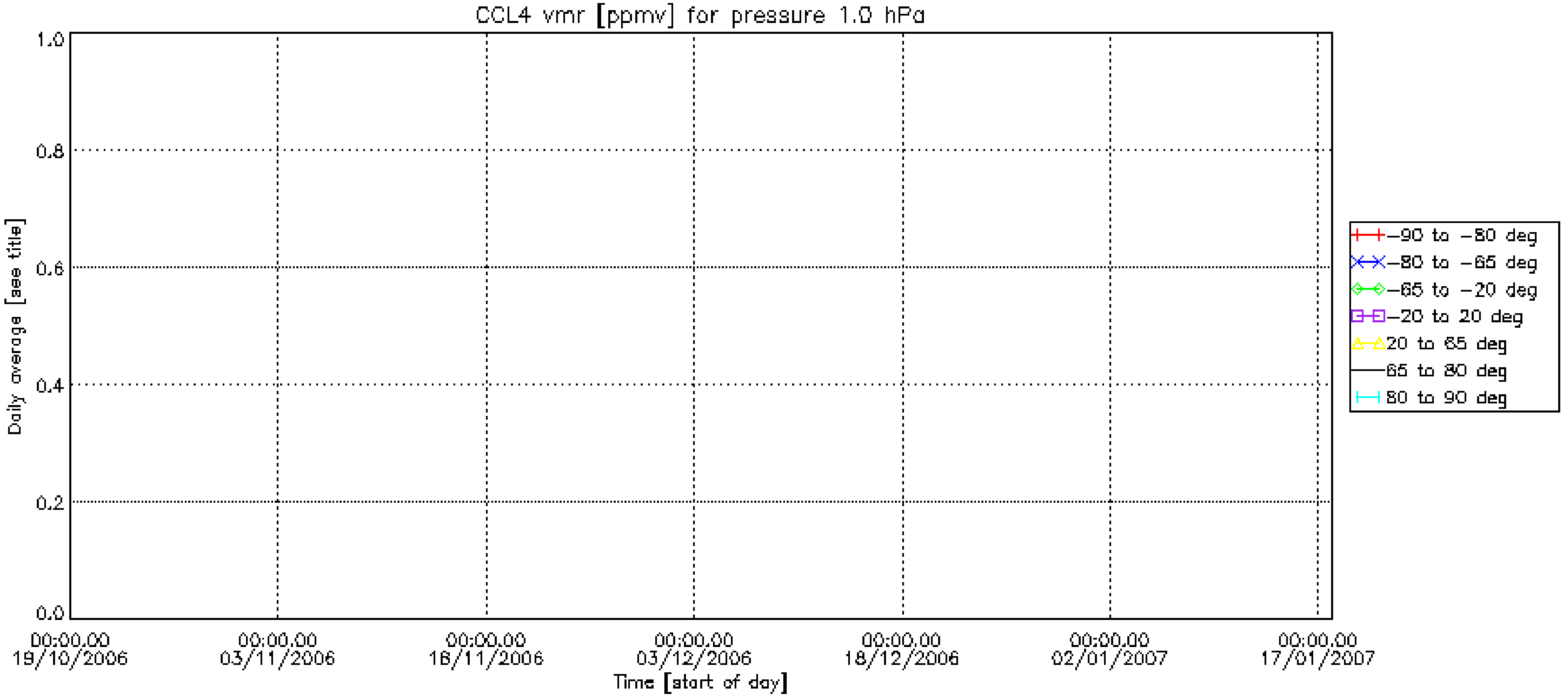
CLNO vmr [ppmv] for pressure 1.0 hPa
Daily average [see title]
1.0
0.8
0.6
0.4
0.2
0.0
00:00:00 19/10/2006
00:00:00 03/11/2006
00:00:00 18/11/2006
00:00:00 03/12/2006
00:00:00 18/12/2006
00:00:00 02/01/2007
00:00:00 17/01/2007
Time [start of day]
−90 to −80 deg
−80 to −65 deg
−65 to −20 deg
−20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg

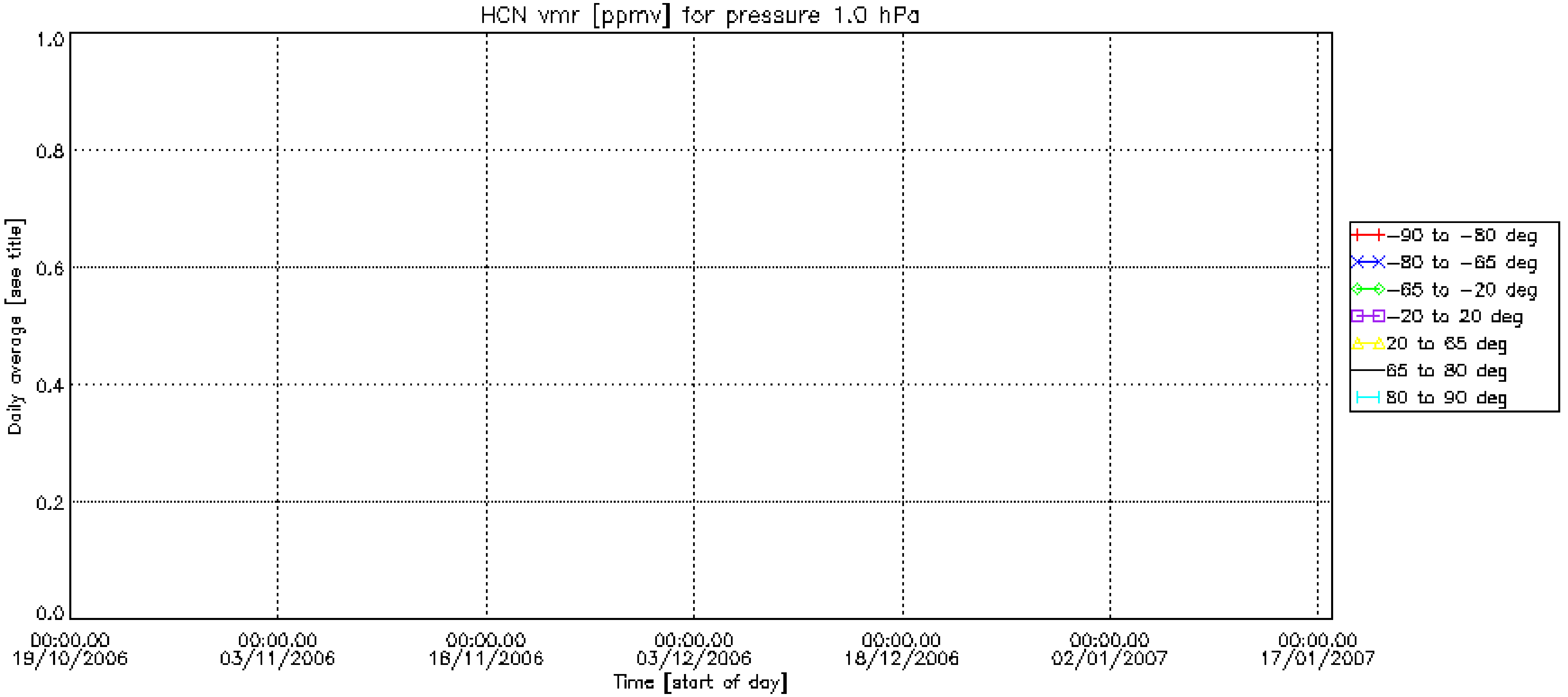

N2O5 vmr [ppmv] for pressure 1.0 hPa
0.0009
0.0008
0.0007
0.0006
0.0005
0.0004
0.0003
0.0002
Daily average [see title]
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
Time [start of day]
−90 to −80 deg
−80 to −65 deg
−65 to −20 deg
−20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg


F12 vmr [ppmv] for pressure 1.0 hPa
Daily average [see title]
1.0
0.8
0.6
0.4
0.2
0.0
00:00:00
19/10/2006
00:00:00
03/11/2006
00:00:00
18/11/2006
00:00:00
03/12/2006
00:00:00
18/12/2006
00:00:00
02/01/2007
00:00:00
17/01/2007
Time [start of day]
−90 to −80 deg
−80 to −65 deg
−65 to −20 deg
−20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg

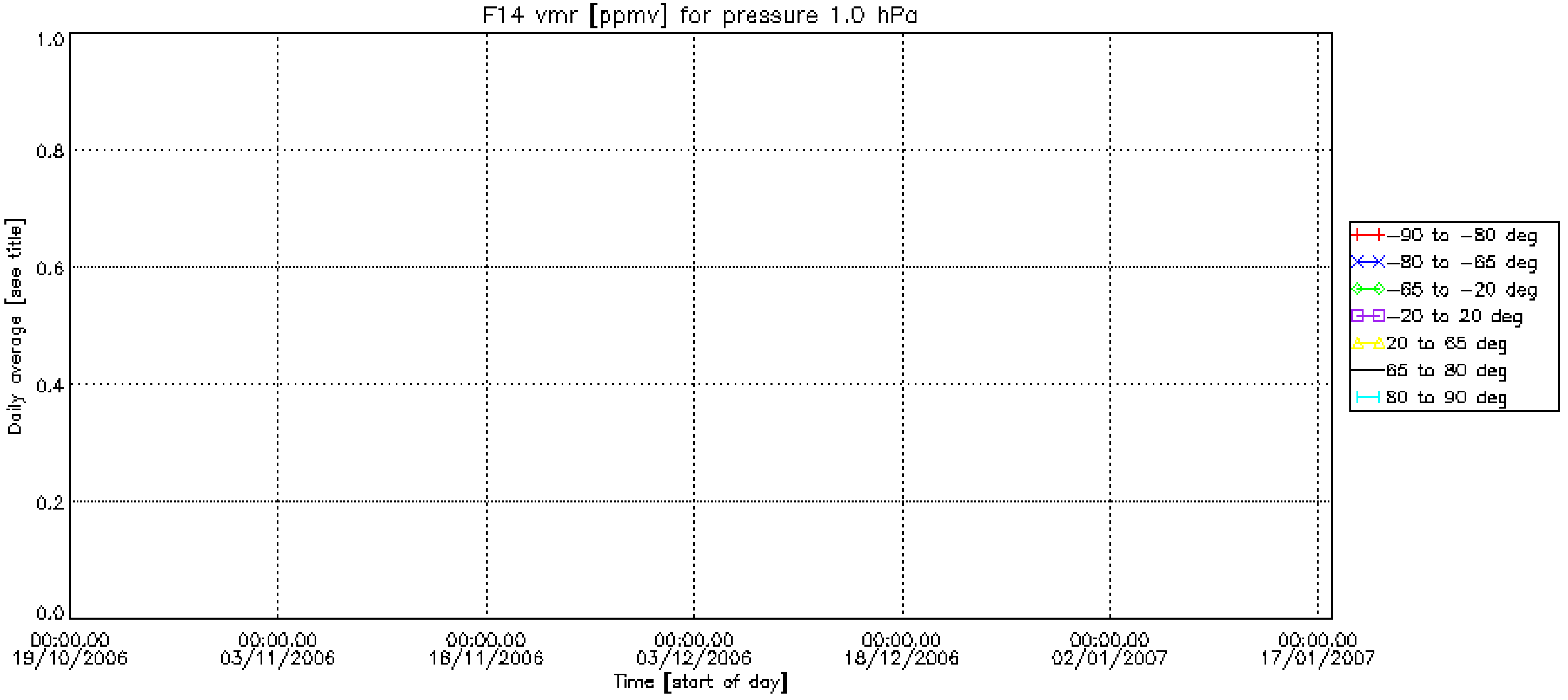


COF2 vmr [ppmv] for pressure 1.0 hPa
Daily average [see title]
3.0×10⁻⁴
2.5×10⁻⁴
2.0×10⁻⁴
1.5×10⁻⁴
1.0×10⁻⁴
5.0×10⁻⁵
0
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
Time [start of day]
−90 to −80 deg
−80 to −65 deg
−65 to −20 deg
−20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg

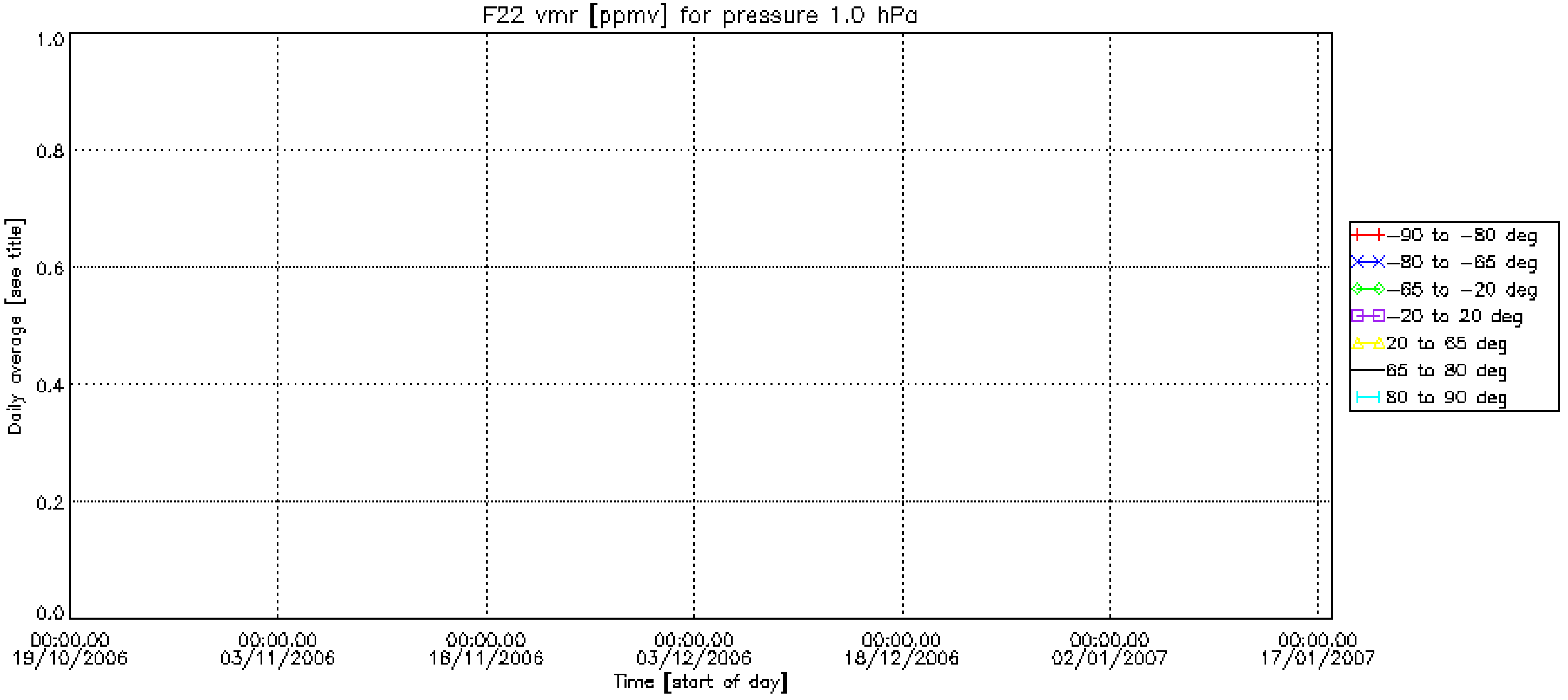

CCL4 vmr [ppmv] for pressure 1.0 hPa
Daily average [see title]
1.0
0.8
0.6
0.4
0.2
0.0
00:00.00 19/10/2006
00:00.00 03/11/2006
00:00.00 18/11/2006
00:00.00 03/12/2006
00:00.00 18/12/2006
00:00.00 02/01/2007
00:00.00 17/01/2007
Time [start of day]
−90 to −80 deg
−80 to −65 deg
−65 to −20 deg
−20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg



HCN vmr [ppmv] for pressure 1.0 hPa
Daily average [see title]
1.0
0.8
0.6
0.4
0.2
0.0
00:00:00
19/10/2006
00:00:00
03/11/2006
00:00:00
18/11/2006
00:00:00
03/12/2006
00:00:00
18/12/2006
00:00:00
02/01/2007
00:00:00
17/01/2007
Time [start of day]
−90 to −80 deg
−80 to −65 deg
−65 to −20 deg
−20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg



F14 vmr [ppmv] for pressure 1.0 hPa
Daily average [see title]
1.0
0.8
0.6
0.4
0.2
0.0
00:00:00 19/10/2006
00:00:00 03/11/2006
00:00:00 18/11/2006
00:00:00 03/12/2006
00:00:00 18/12/2006
00:00:00 02/01/2007
00:00:00 17/01/2007
Time [start of day]
-90 to -80 deg
-80 to -65 deg
-65 to -20 deg
-20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg


F22 vmr [ppmv] for pressure 1.0 hPa
Daily average [see title]
1.0
0.8
0.6
0.4
0.2
0.0
00:00.00
19/10/2006
00:00.00
03/11/2006
00:00.00
18/11/2006
00:00.00
03/12/2006
00:00.00
18/12/2006
00:00.00
02/01/2007
00:00.00
17/01/2007
Time [start of day]
-90 to -80 deg
-80 to -65 deg
-65 to -20 deg
-20 to 20 deg
20 to 65 deg
65 to 80 deg
80 to 90 deg