

## 2. MIPAS Daily Report for level 2 products summary report

(See [mipas\\_daily\\_report\\_level2\\_ML2PP\\_7\\_03\\_W\\_20060523.html](#) for a detailed report).

### 2.1. General Info

- [2.1.1 Report summary](#)
- [2.1.2 Summary per product](#)

### 2.2 Processing performance indicators

- [2.2.1 Successful retrievals](#)
- [2.2.2 Pressure overview](#)
- [2.2.3 Temperature overview](#)
- [2.2.4 Species overview](#)
- [2.2.5 History of daily averages](#)

## 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	26APR2016 16:23:00
Data source version	ML2PP/7.03-W
Processing scope for products	23MAY2006 00:00:00 to 24MAY2006 00:00:00
Start time of first product within scope	22MAY2006 23:40:55
Stop time of last product within scope	24MAY2006 00:49:47
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.

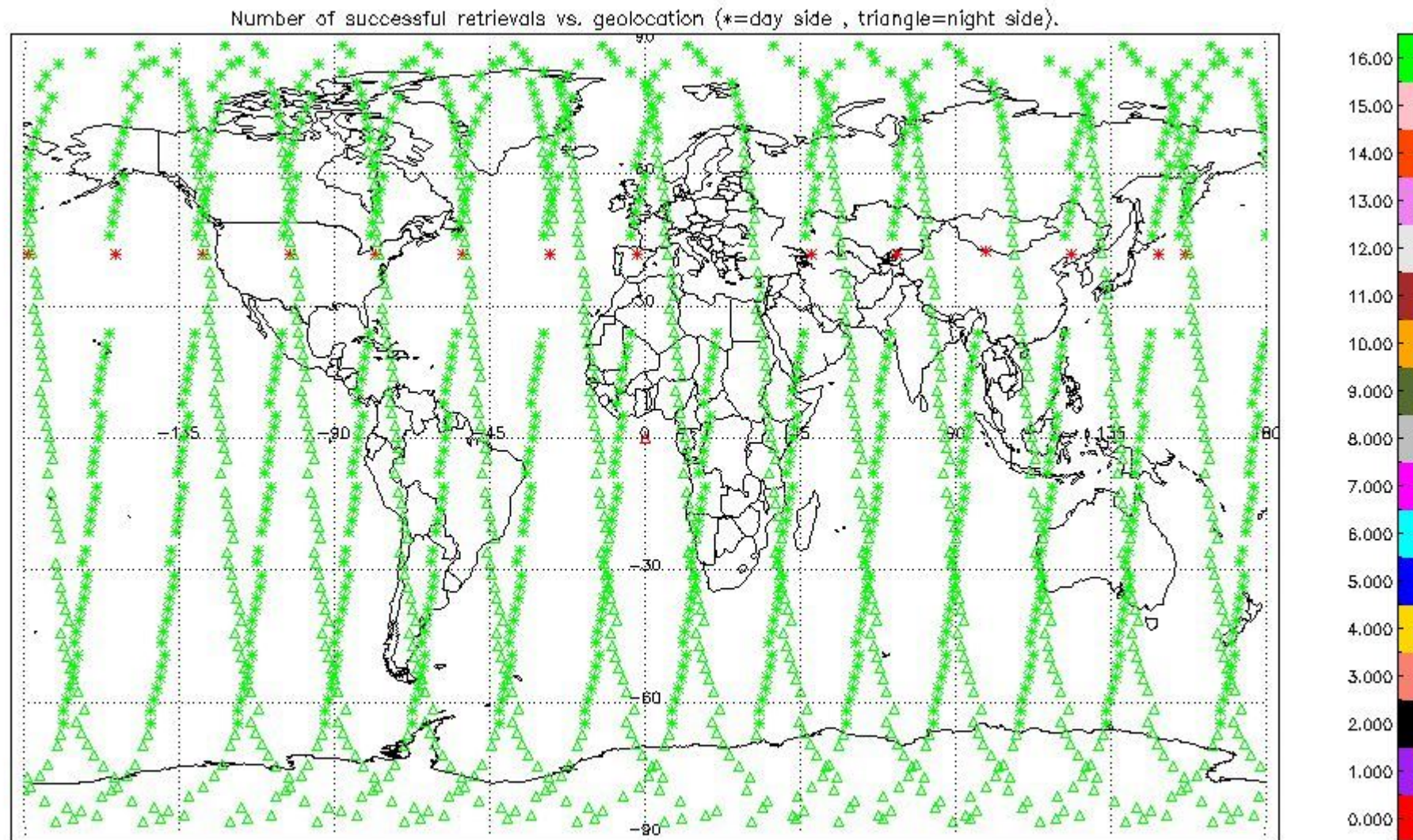
#	Product name	Start time	Stop time	Prod err	Number of scans (tot/proc)	Quality summary warnings
0	MIP_NL__2PWDSI20060522_234055_000060302048_00002_22100_1000.N1	22MAY2006 23:40:55	23MAY2006 01:21:25	0	128/128	VMR_TERM_MACRO_MICRO[F14/macro:1]
1	MIP_NL__2PWDSI20060523_012131_000060302048_00003_22101_1000.N1	23MAY2006 01:21:31	23MAY2006 03:02:00	0	128/128	VMR_TERM_MACRO_MICRO[F14/macro:1; HCN/micro:2; F14/micro:1]
2	MIP_NL__2PWDSI20060523_030207_000060302048_00004_22102_1000.N1	23MAY2006 03:02:07	23MAY2006 04:42:36	0	109/109	VMR_TERM_MACRO_MICRO[HCN/micro:3]
3	MIP_NL__2PWDSI20060523_044243_000060302048_00005_22103_1000.N1	23MAY2006 04:42:43	23MAY2006 06:23:12	0	128/128	VMR_TERM_MACRO_MICRO[HCN/macro:1; F14/micro:1]
4	MIP_NL__2PWDSI20060523_062319_000045672048_00006_22104_1000.N1	23MAY2006 06:23:19	23MAY2006 07:39:26	0	96/96	
5	MIP_NL__2PWDSI20060523_085403_000029782048_00007_22105_1000.N1	23MAY2006 08:54:03	23MAY2006 09:43:40	0	66/66	
6	MIP_NL__2PWDSI20060523_094431_000060302048_00008_22106_1000.N1	23MAY2006 09:44:31	23MAY2006 11:25:00	0	128/128	VMR_TERM_MACRO_MICRO[F14/macro:1; HCN/micro:1]
7	MIP_NL__2PWDSI20060523_112506_000060302048_00009_22107_1000.N1	23MAY2006 11:25:06	23MAY2006 13:05:36	0	128/128	VMR_TERM_MACRO_MICRO[F14/macro:2; HCN/micro:2]
8	MIP_NL__2PWDSI20060523_130542_000060302048_00010_22108_1000.N1	23MAY2006 13:05:42	23MAY2006 14:46:12	0	128/128	VMR_TERM_MACRO_MICRO[HCN/micro:2; F14/micro:1]
9	MIP_NL__2PWDSI20060523_144618_000060302048_00011_22109_1000.N1	23MAY2006 14:46:18	23MAY2006 16:26:48	0	127/127	VMR_TERM_MACRO_MICRO[F14/macro:1; HCN/micro:2]
10	MIP_NL__2PWDSI20060523_162654_000060302048_00012_22110_1000.N1	23MAY2006 16:26:54	23MAY2006 18:07:24	0	128/128	VMR_TERM_MACRO_MICRO[HCN/micro:1]
11	MIP_NL__2PWDSI20060523_180730_000060302048_00013_22111_1000.N1	23MAY2006 18:07:30	23MAY2006 19:48:00	0	128/128	VMR_TERM_MACRO_MICRO[HCN/macro:1; HCN/micro:1; F14/micro:1]
12	MIP_NL__2PWDSI20060523_194806_000060302048_00014_22112_1000.N1	23MAY2006 19:48:06	23MAY2006 21:28:36	0	128/128	VMR_TERM_MACRO_MICRO[HCN/micro:1]
13	MIP_NL__2PWDSI20060523_212842_000060302048_00015_22113_1000.N1	23MAY2006 21:28:42	23MAY2006 23:09:12	0	128/128	VMR_TERM_MACRO_MICRO[O3/micro:1]
14	MIP_NL__2PWDSI20060523_230918_000060302048_00016_22114_1000.N1	23MAY2006 23:09:18	24MAY2006 00:49:47	0	128/128	VMR_TERM_MACRO_MICRO[HCN/micro:1]

## 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.

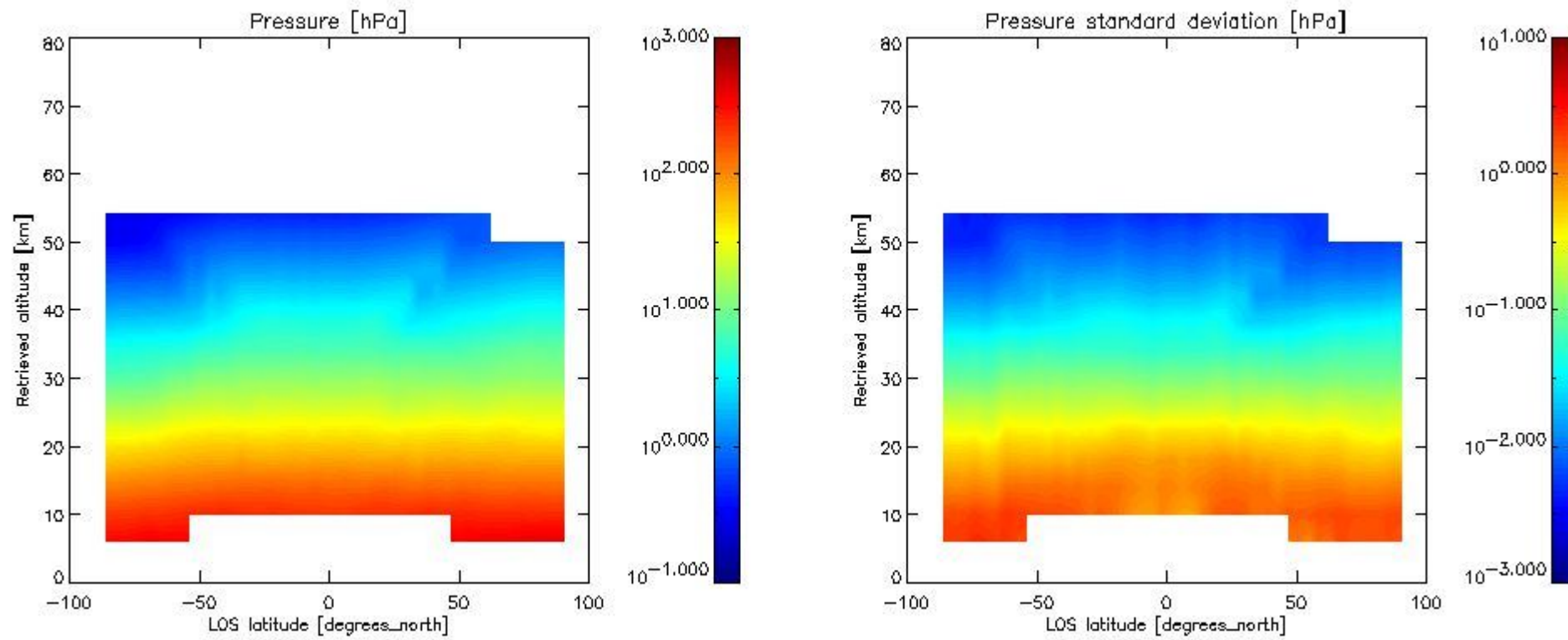
RETRIEVAL MDS	# scans processed	# Successful retrievals	%
PT	1806	1688	93.466
H2O	1806	1688	93.466
O3	1806	1688	93.466
HNO3	1806	1688	93.466
CH4	1806	1688	93.466
N2O	1806	1688	93.466
NO2	1806	1688	93.466
F11	1806	1688	93.466
CLNO	1806	1688	93.466
N2O5	1806	1688	93.466
F12	1806	1688	93.466
COF2	1806	1688	93.466
CCL4	1806	1688	93.466
HCN	1806	1688	93.466
F14	1806	1688	93.466
F22	1806	1688	93.466



## 2.2.2 Pressure overview

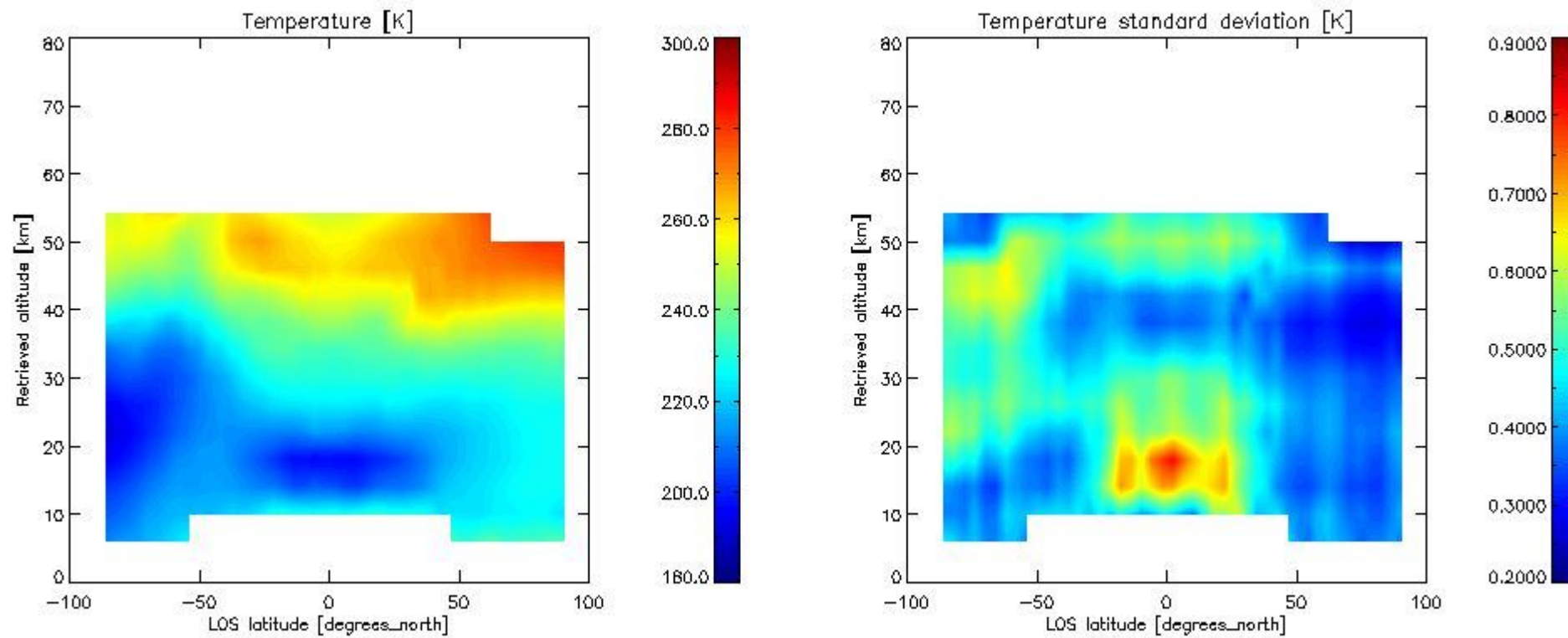


This section shows values (left) and error (right) for pressure after binning individual sweep values over retrieved altitude and tangent latitude.



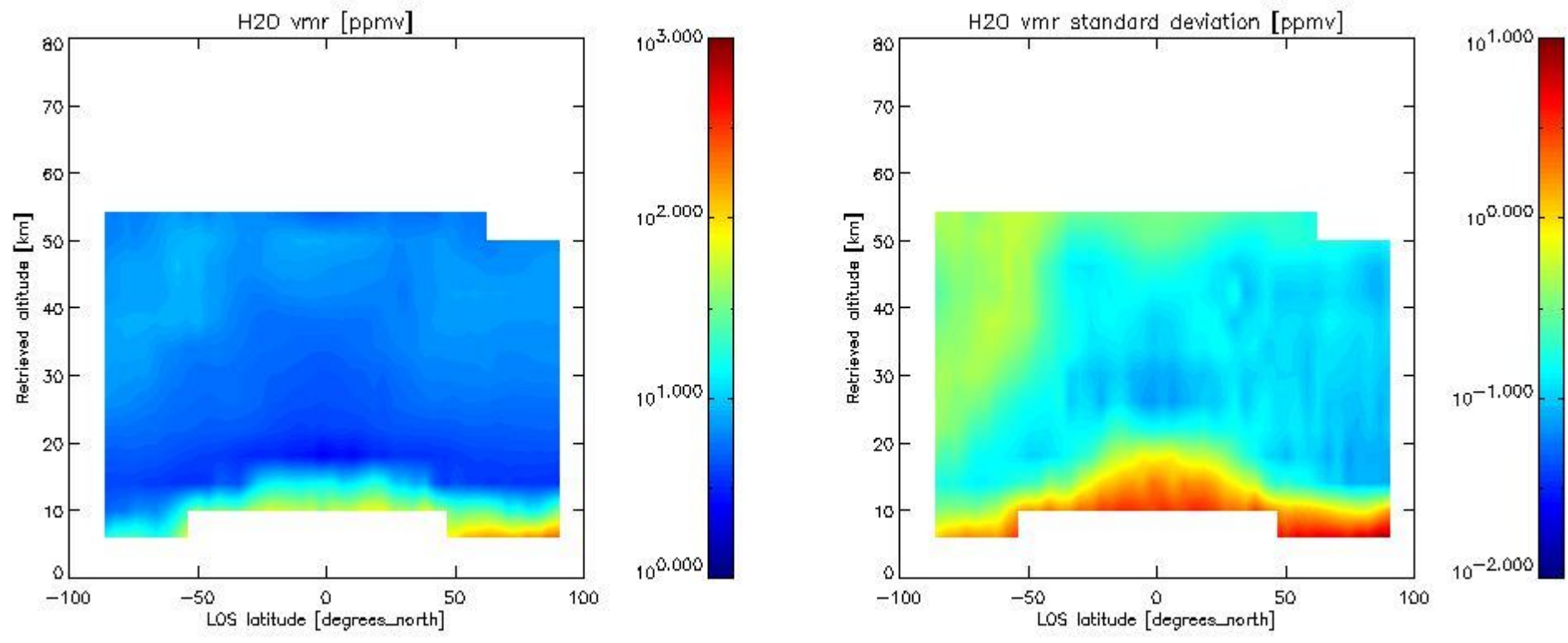
### 2.2.3 Temperature overview

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

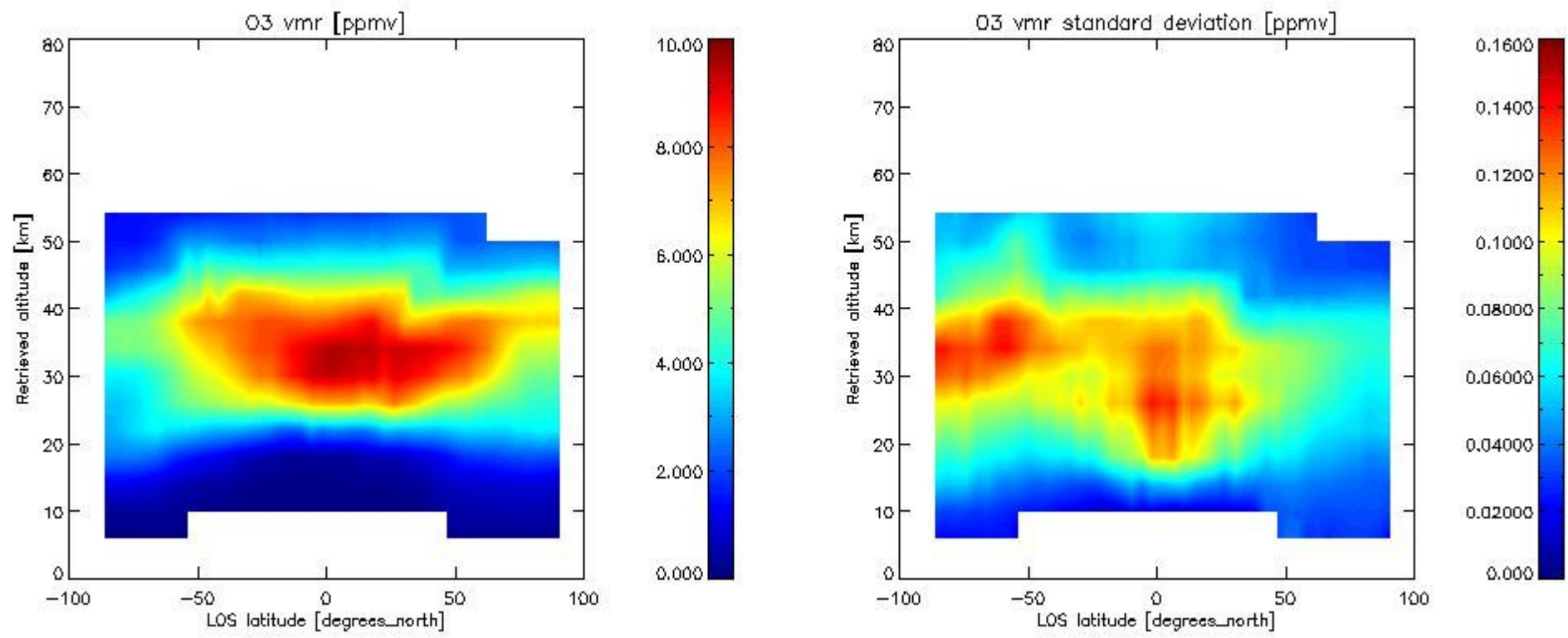


### 2.2.4 Species overview

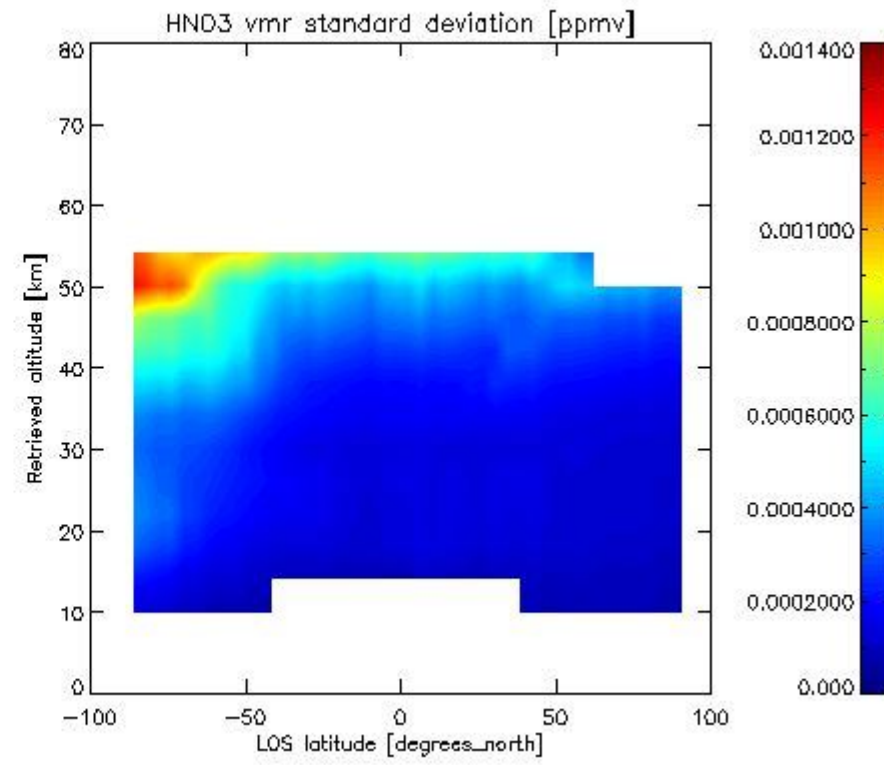
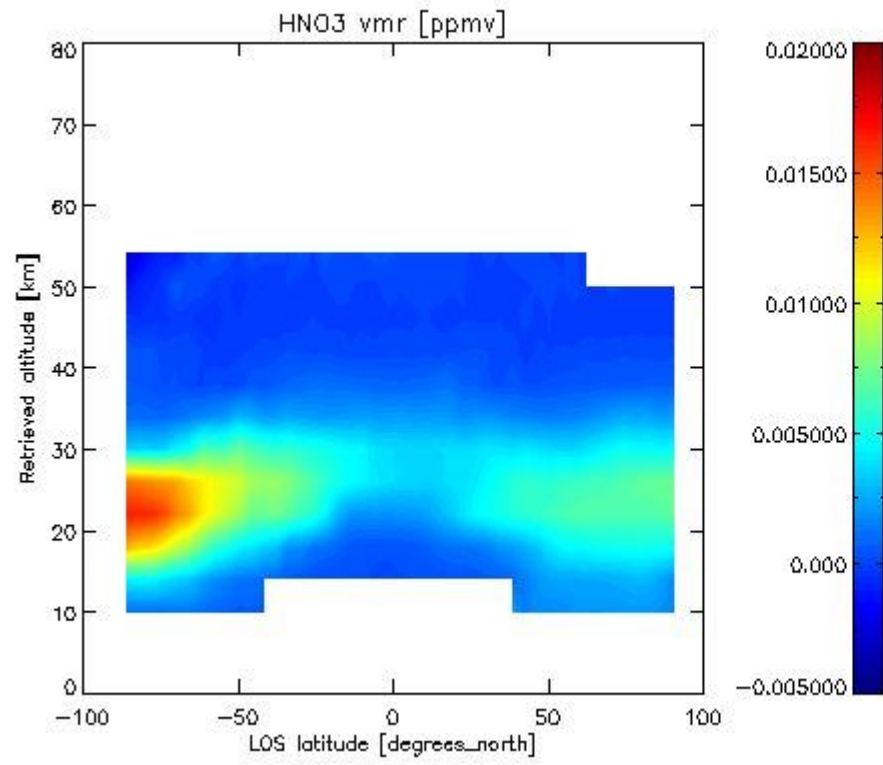
**2.2.4.1 H2O overview** This section shows values (left) and error (right) for H2O after binning individual sweep values over retrieved altitude and tangent latitude.



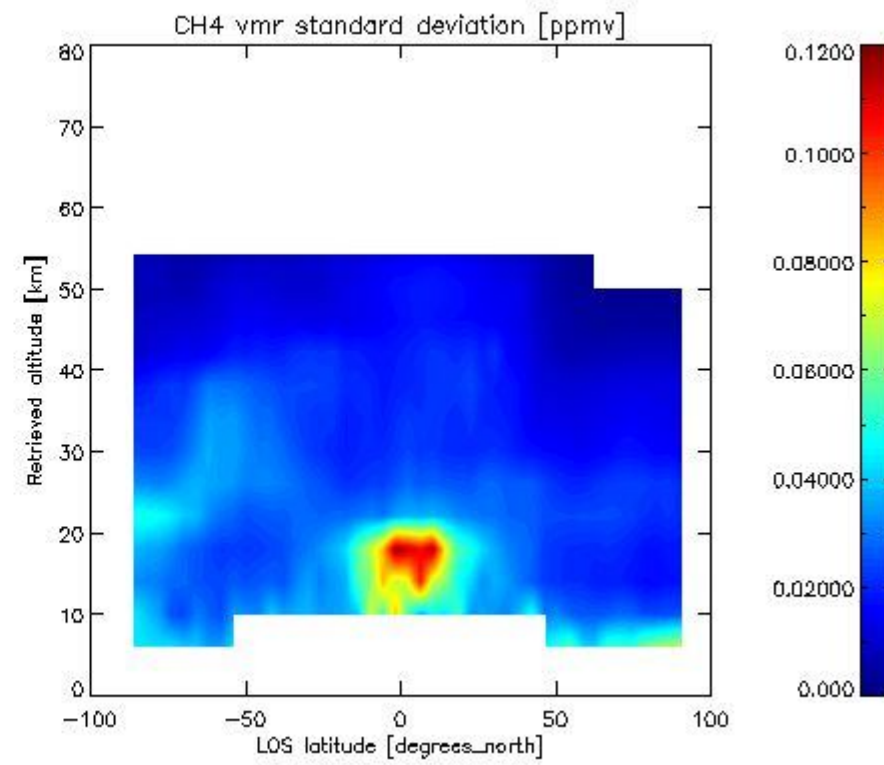
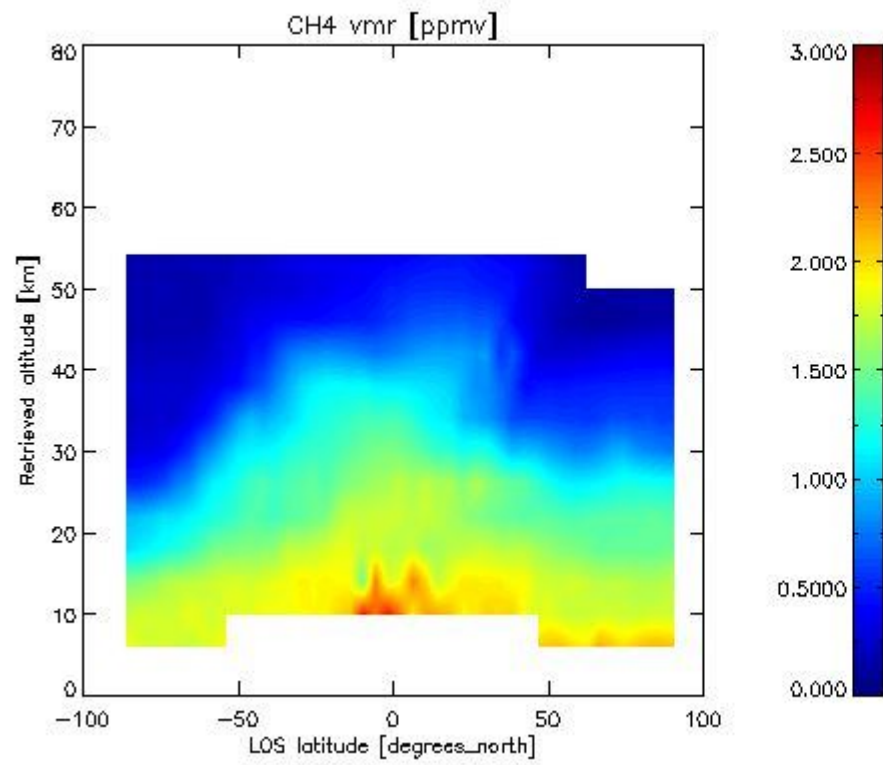
2.2.4.2 O3 overview This section shows values (left) and error (right) for O3 after binning individual sweep values over retrieved altitude and tangent latitude.



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.

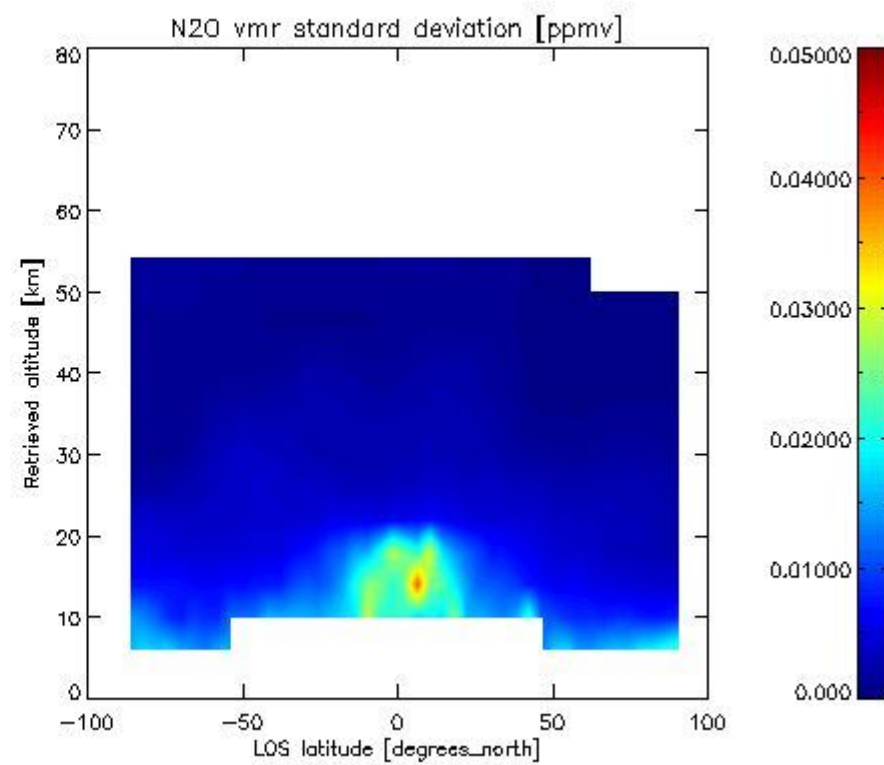
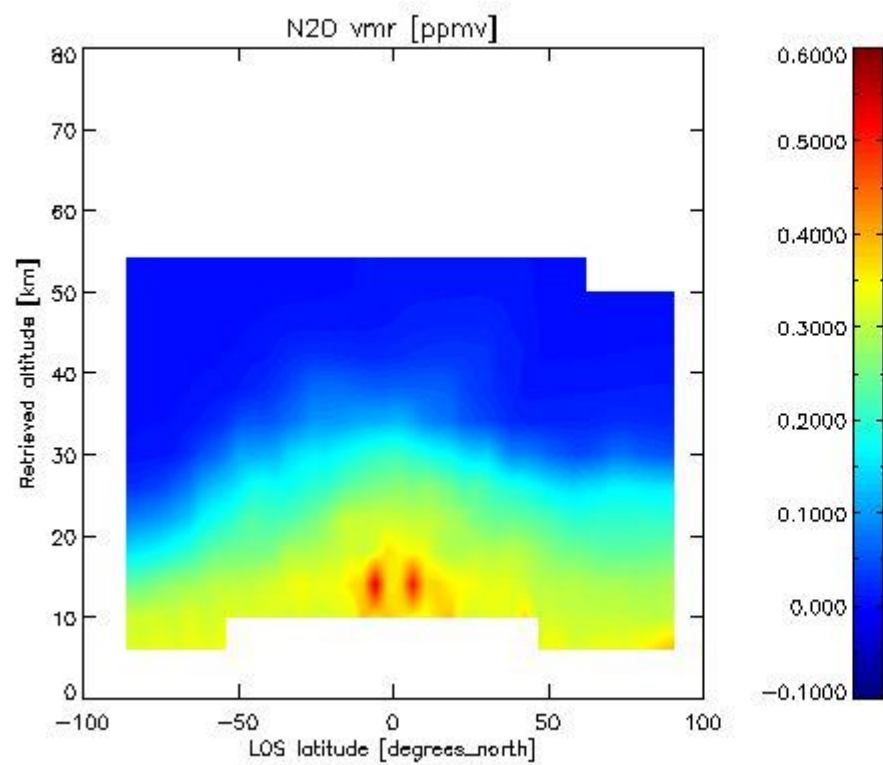


2.2.4.4 CH<sub>4</sub> overview This section shows values (left) and error (right) for CH<sub>4</sub> after binning individual sweep values over retrieved altitude and tangent latitude.

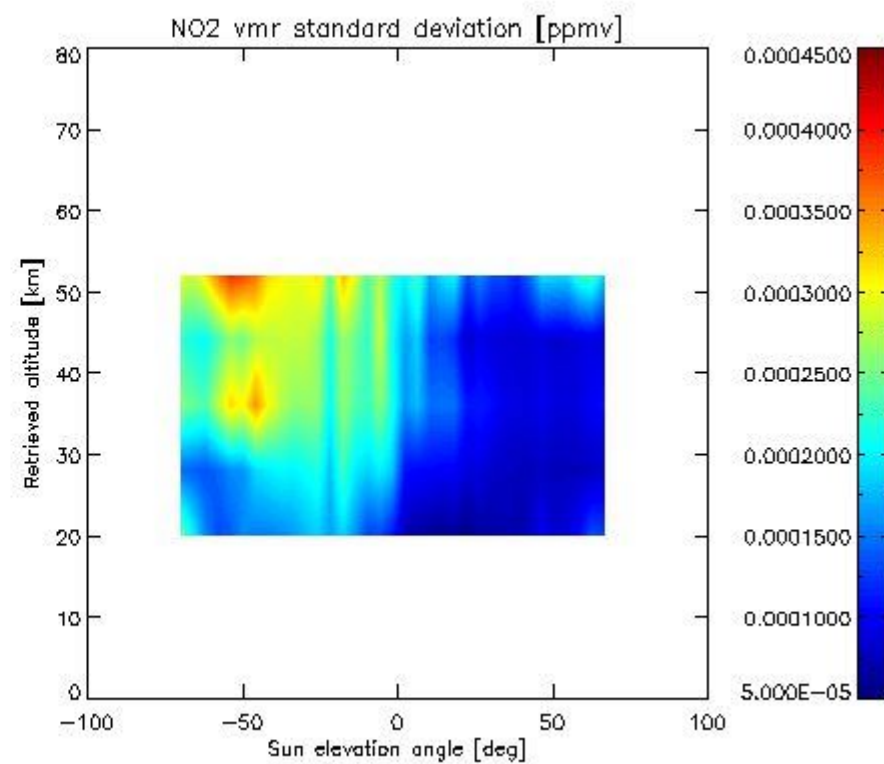
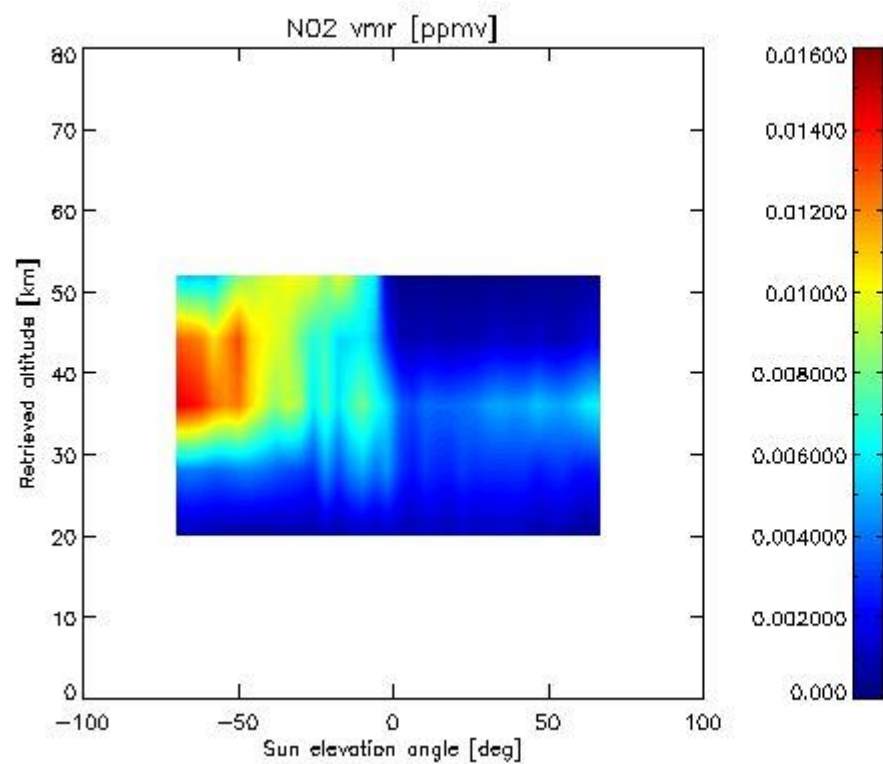


2.2.4.5 N<sub>2</sub>O overview This section shows values (left) and error (right) for N<sub>2</sub>O after binning individual sweep values over retrieved altitude and tangent latitude.

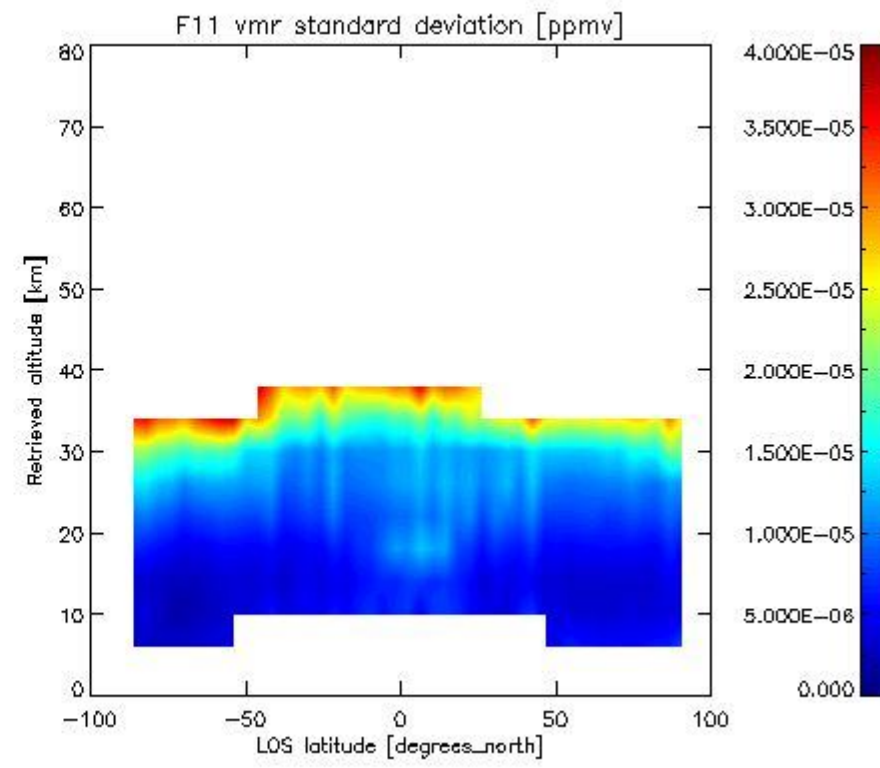
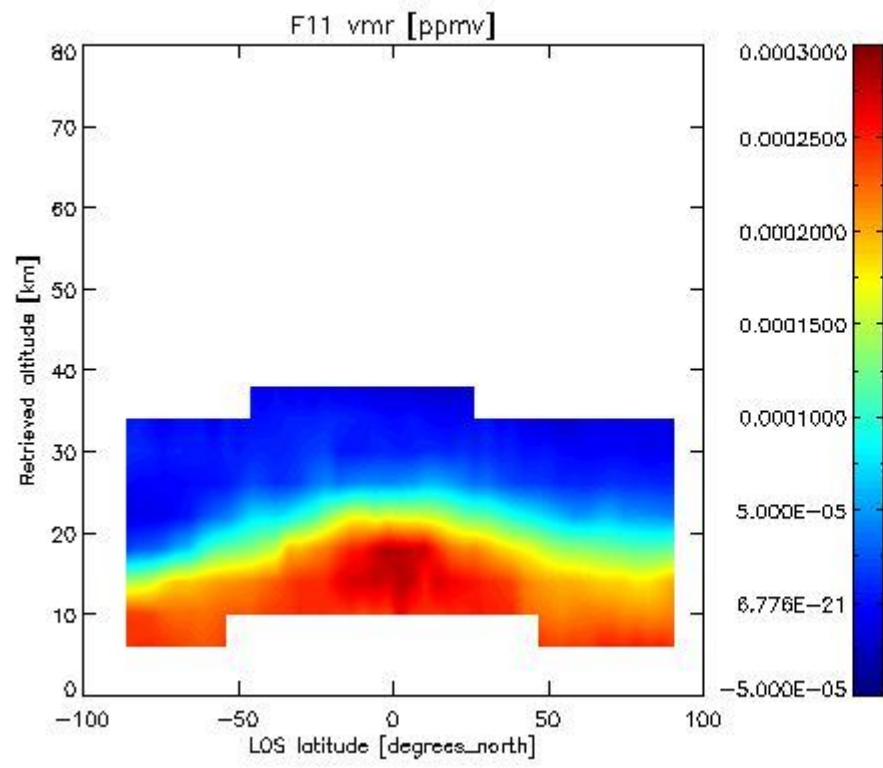




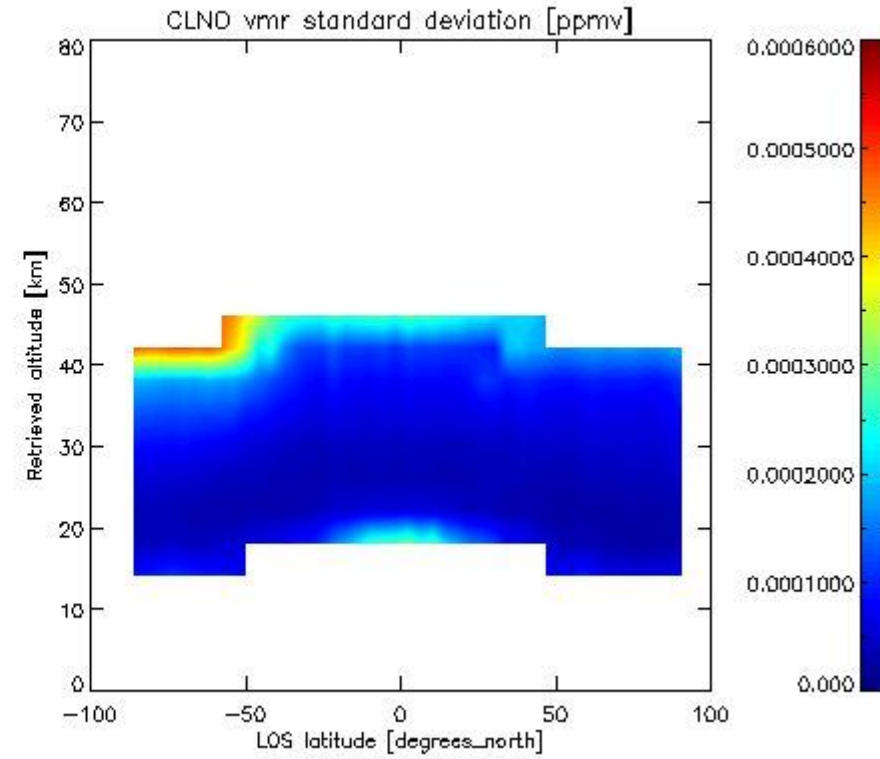
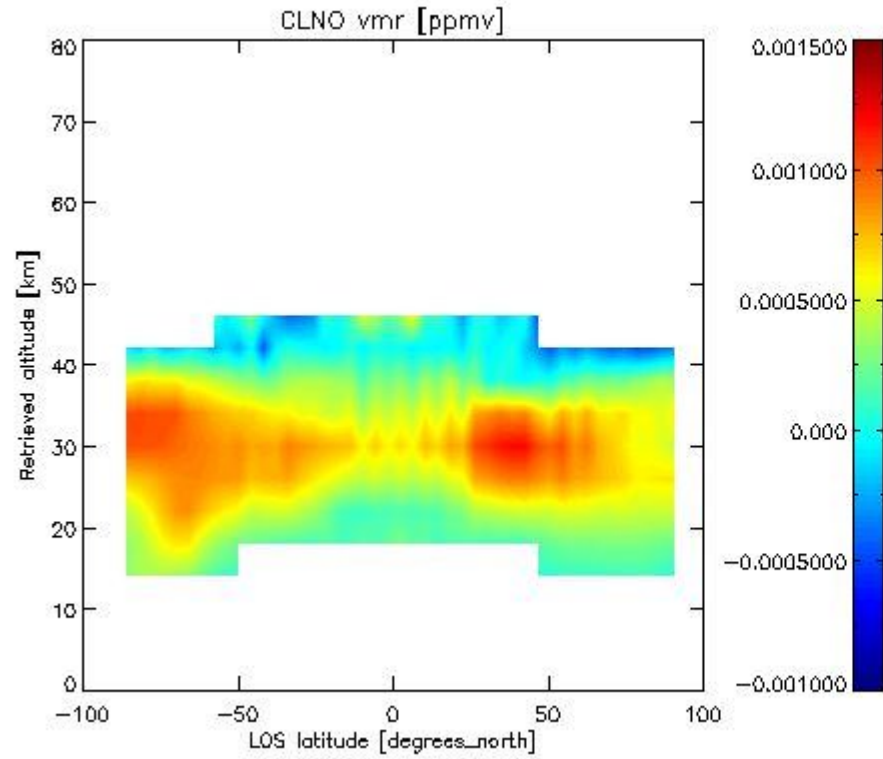
2.2.4.6 NO<sub>2</sub> overview This section shows values (left) and error (right) for NO<sub>2</sub> after binning individual sweep values over retrieved altitude and Sun Elevation Angle. Note that for NO<sub>2</sub> the bin heights are 6 km.

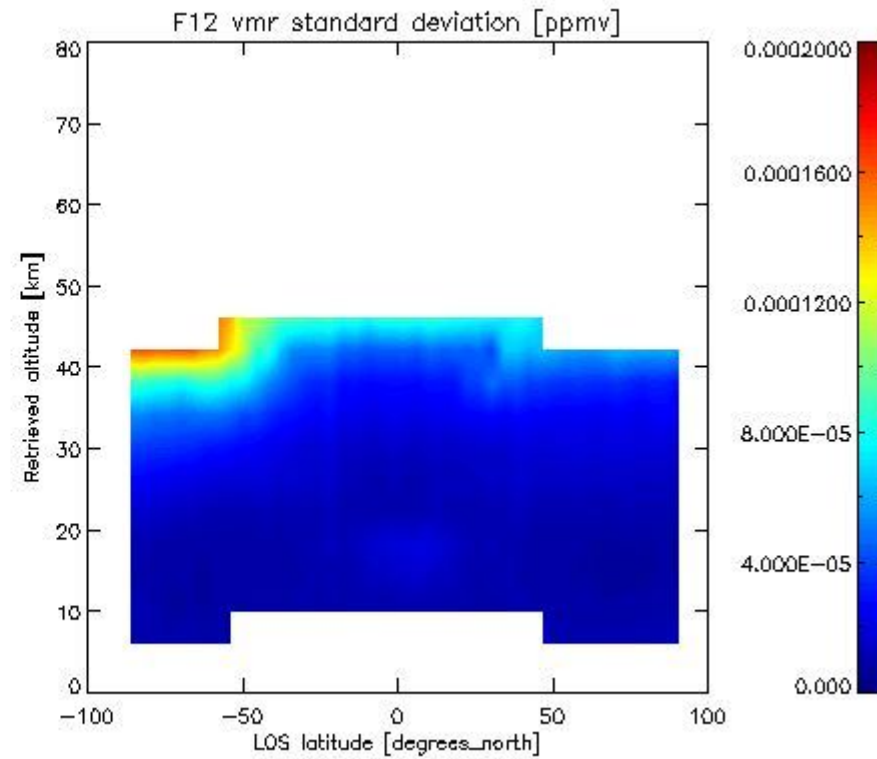
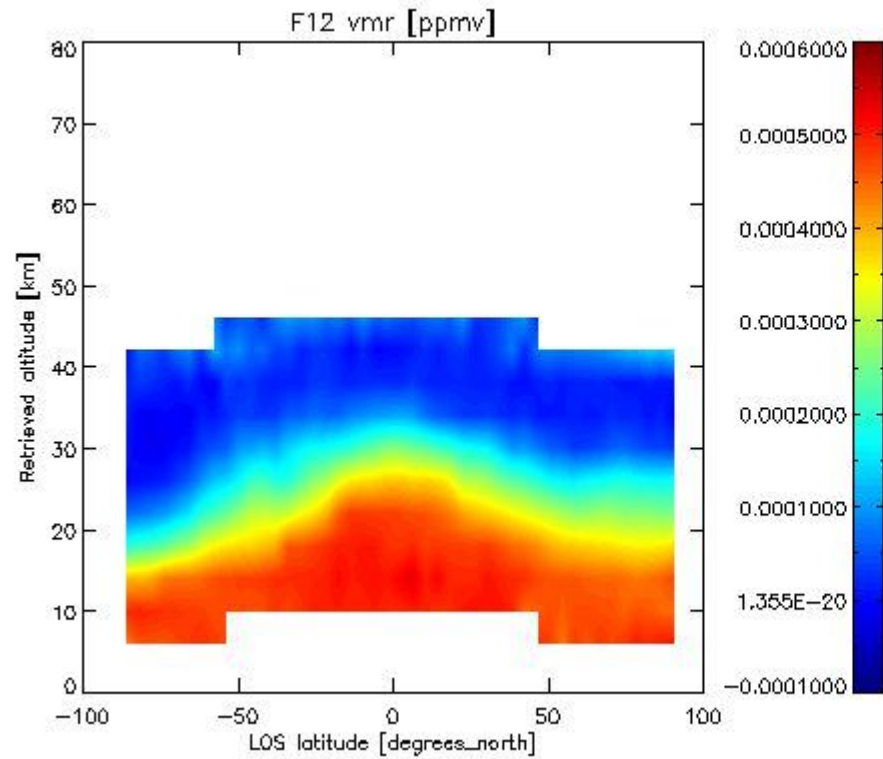
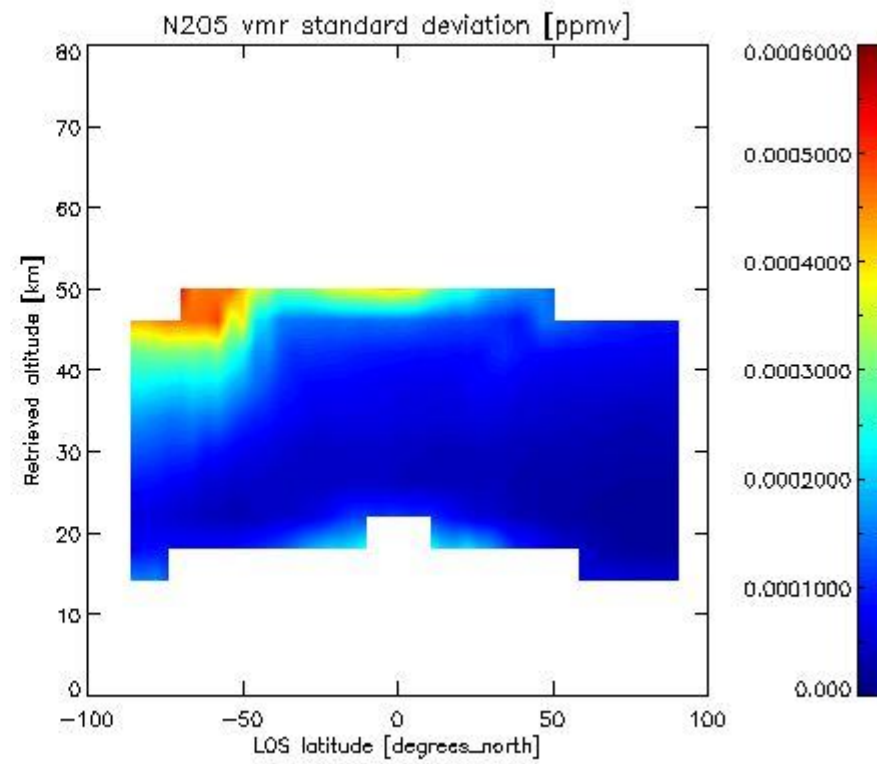
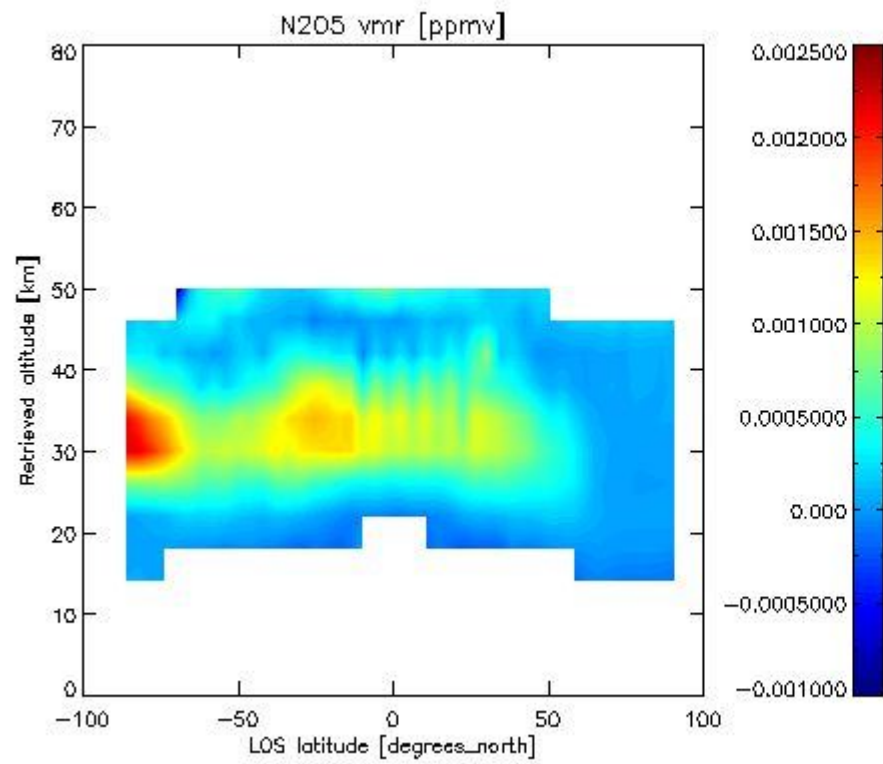


2.2.4.7 F11 overview This section shows values (left) and error (right) for F11 after binning individual sweep values over retrieved altitude and tangent latitude.

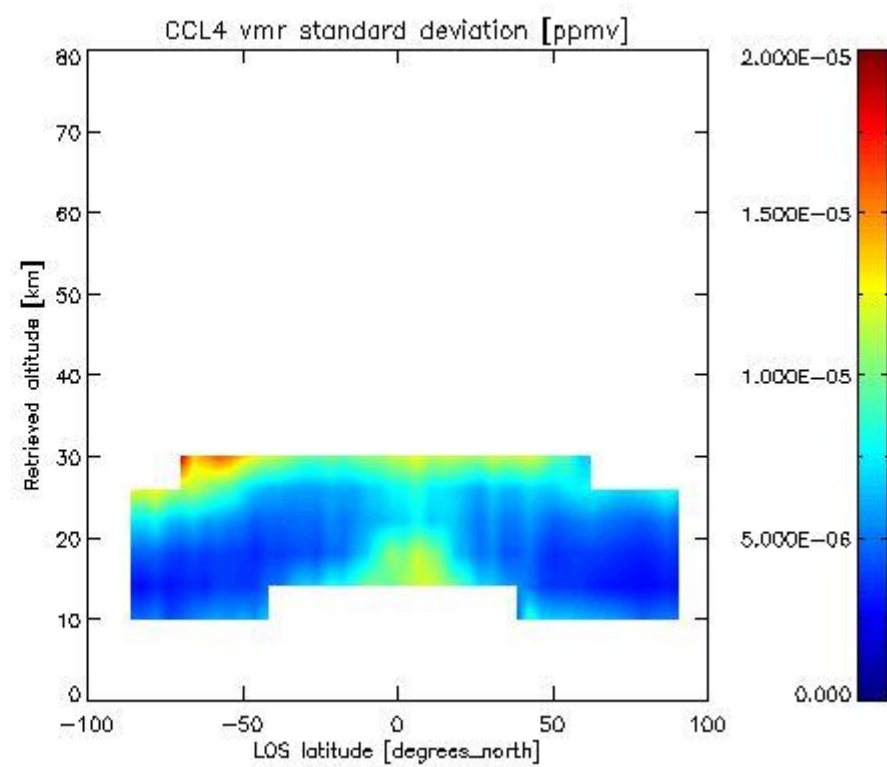
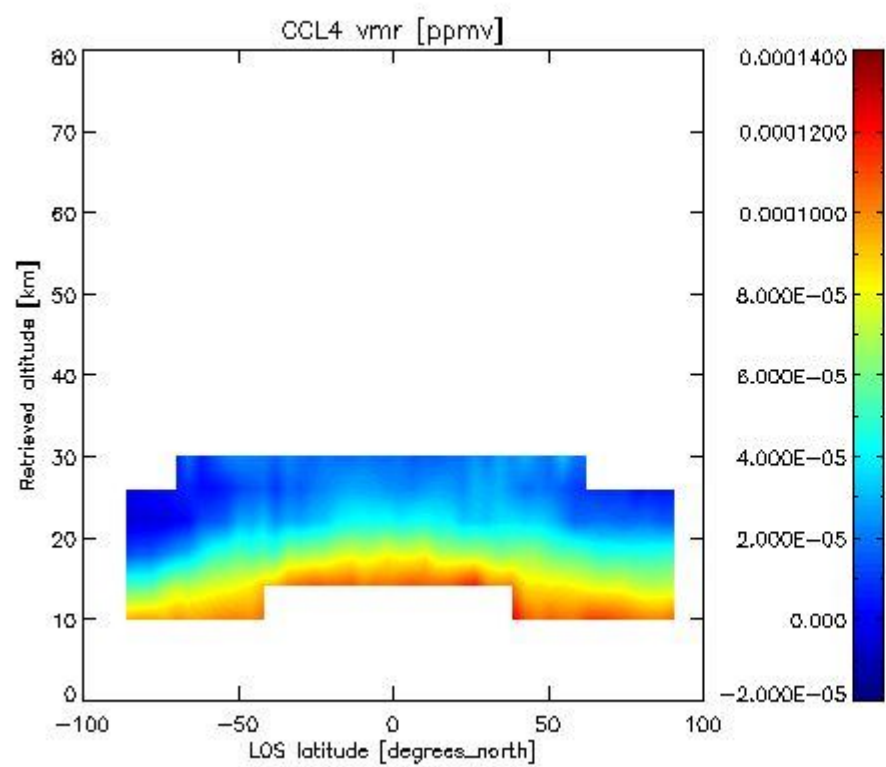
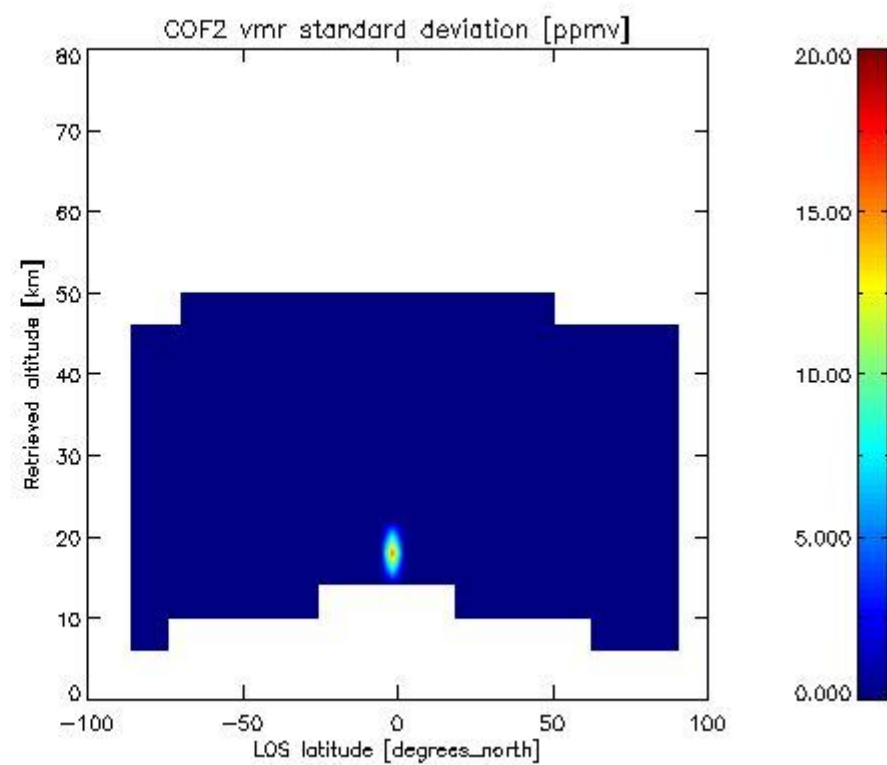
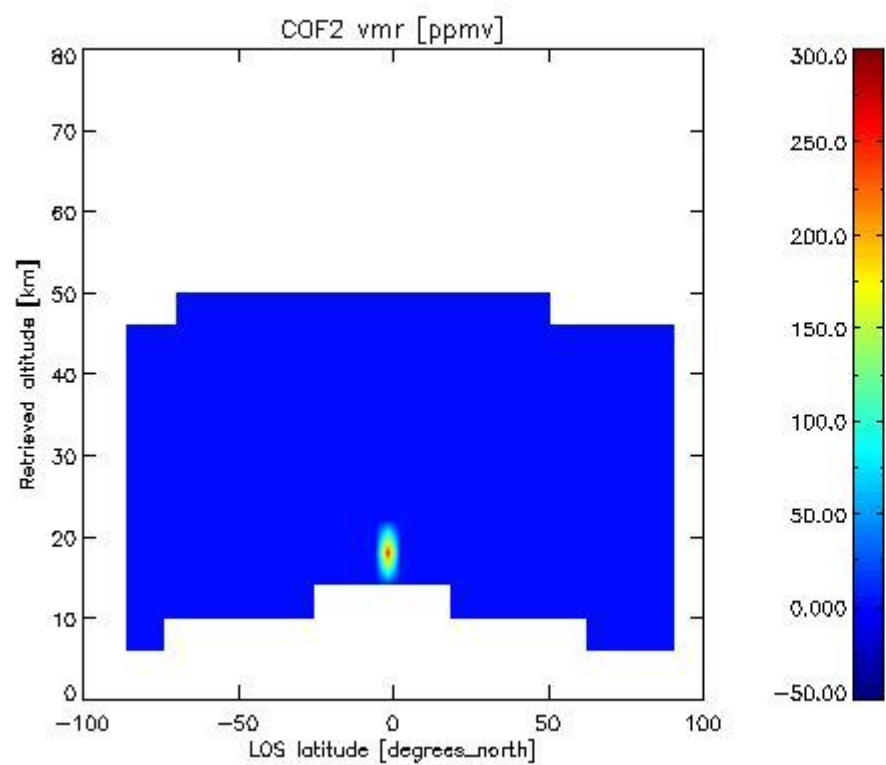


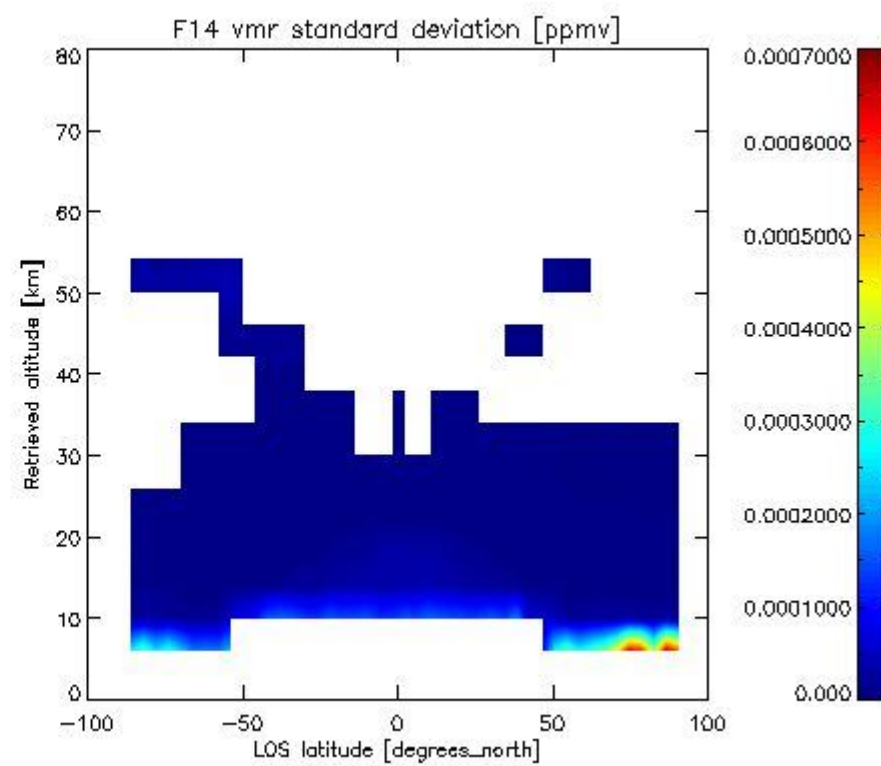
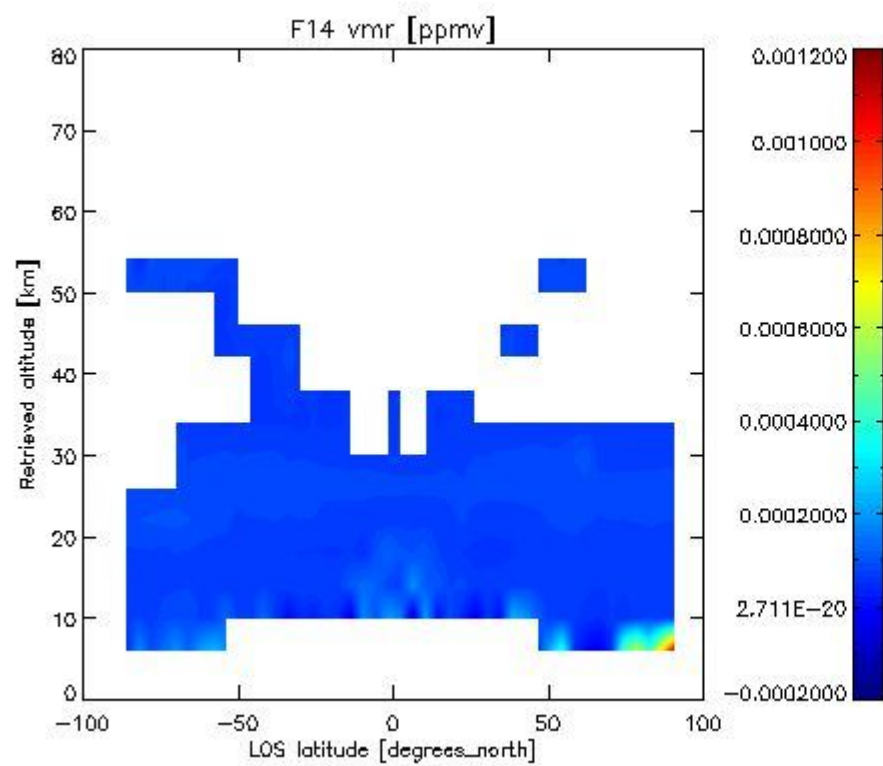
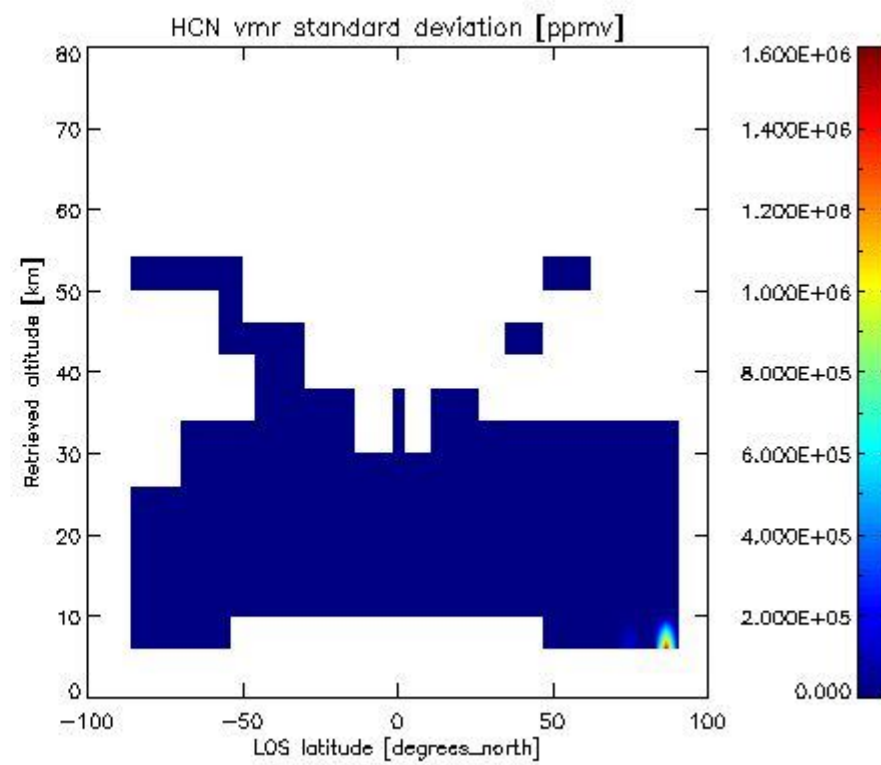
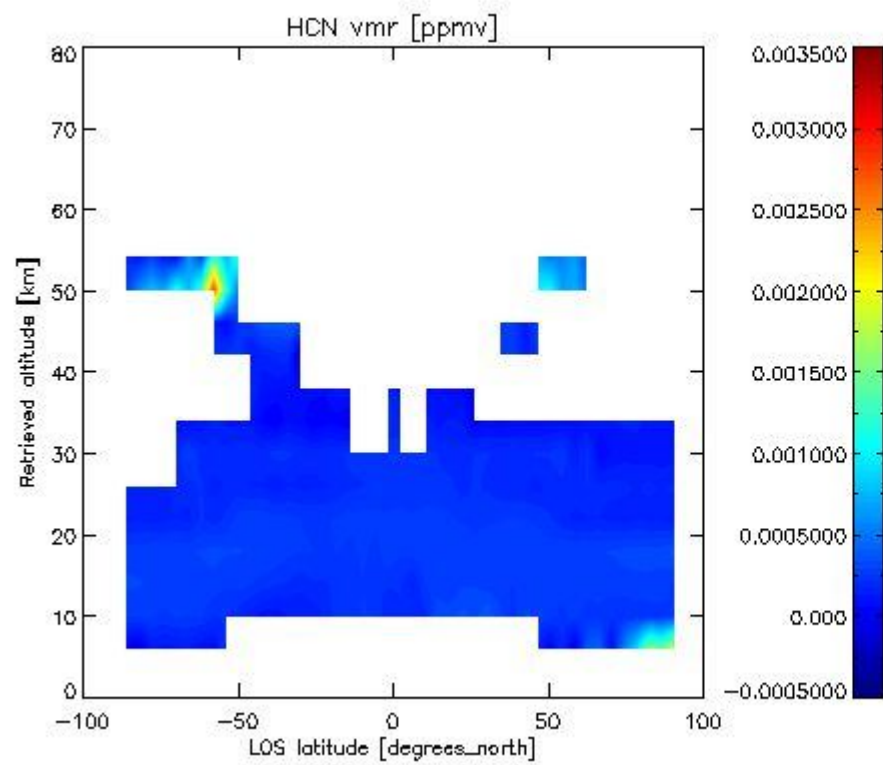
2.3.4.4 CLNO vmr: This section shows values (left) and error (right) for CLNO after binning individual vmr values over retrieved altitude and target latitude.

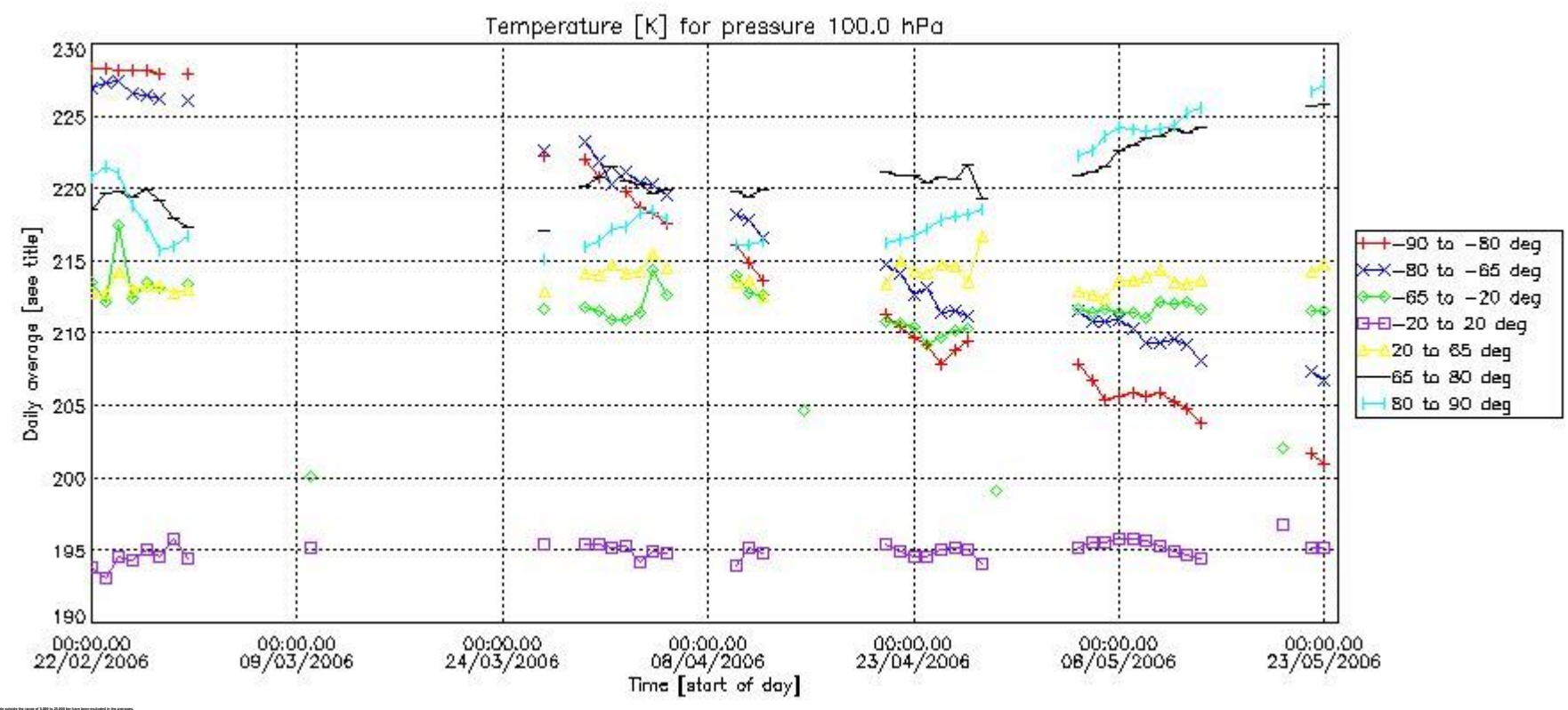
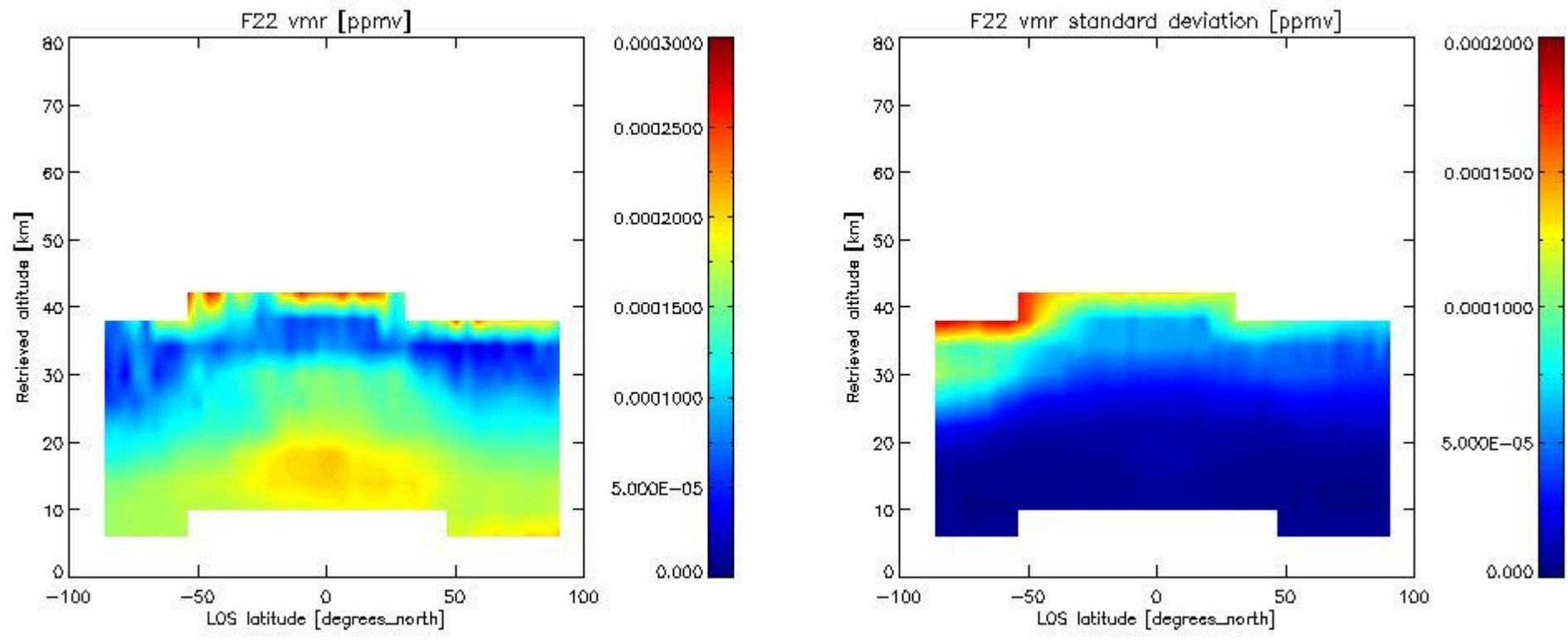




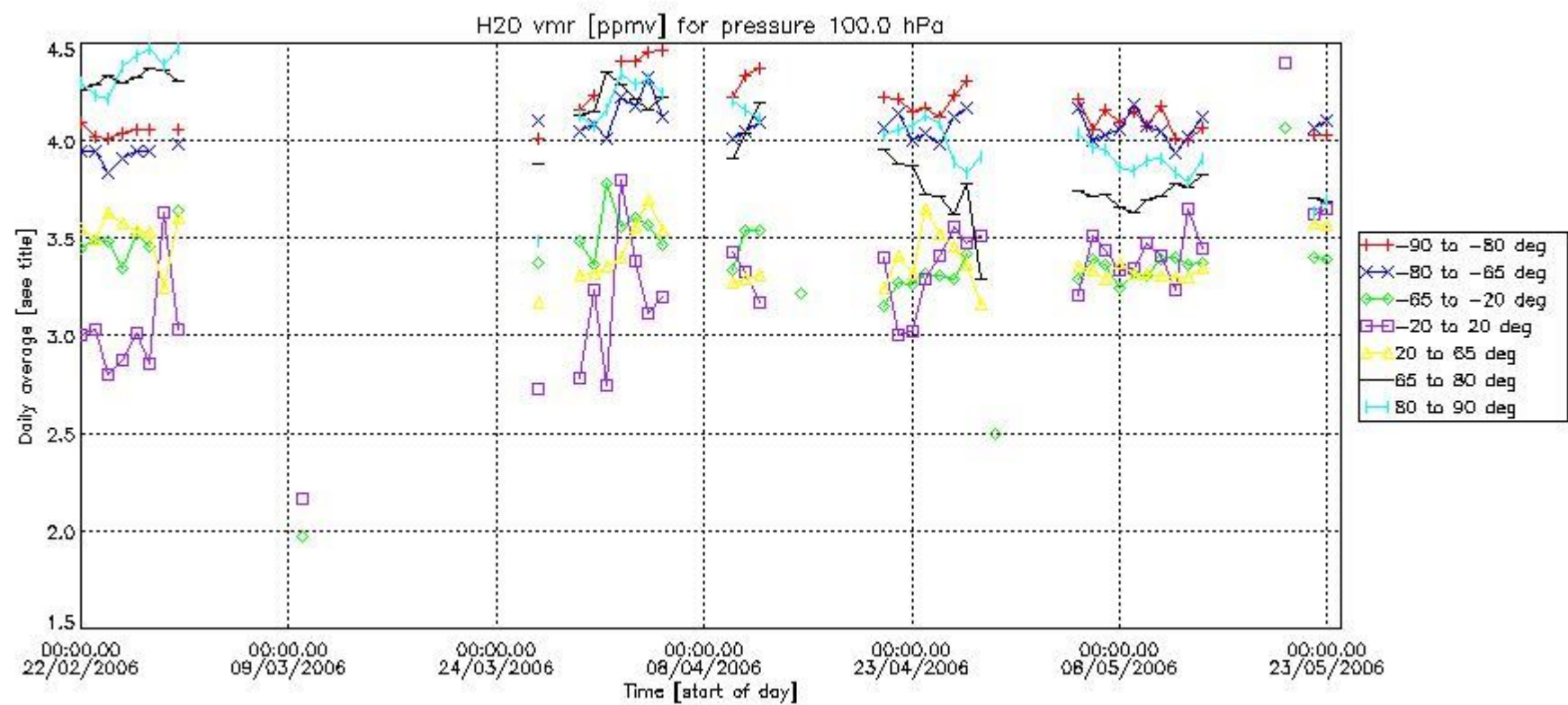
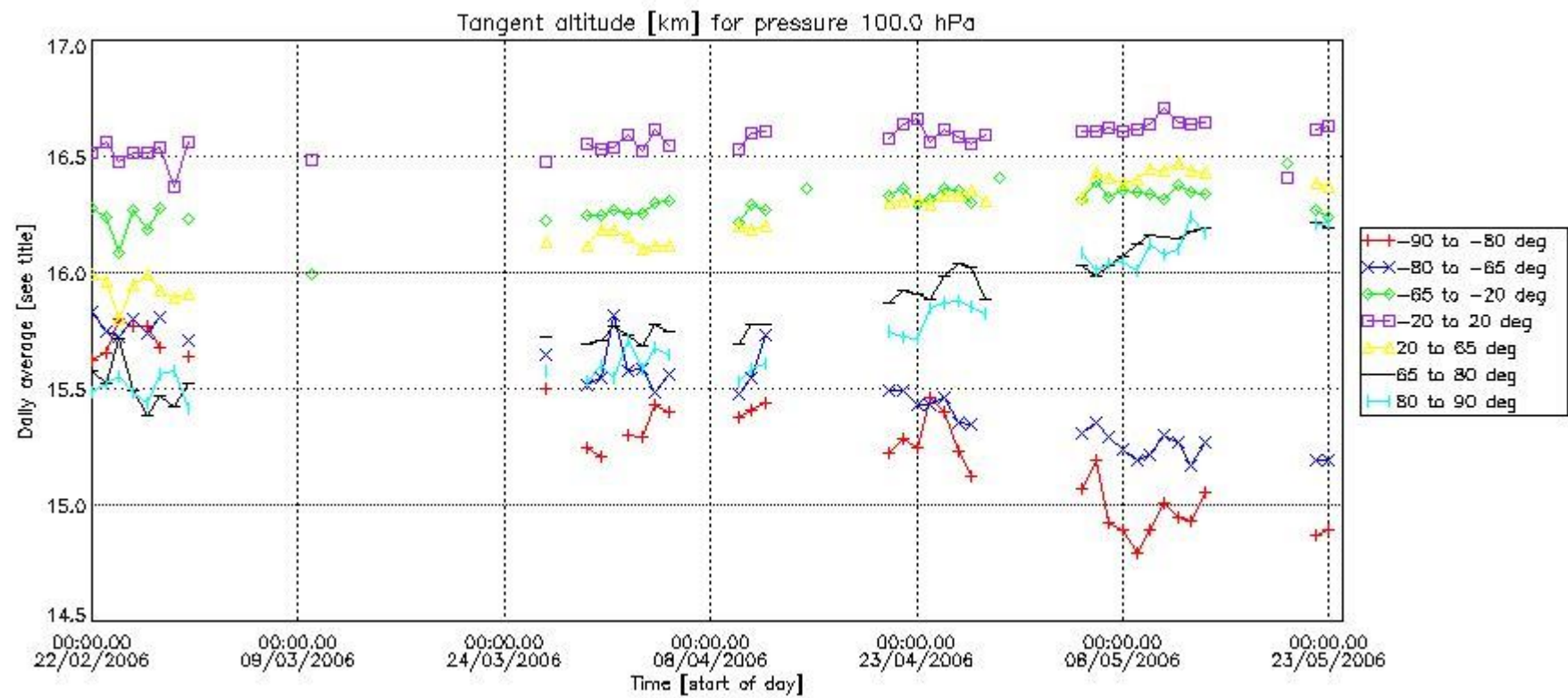


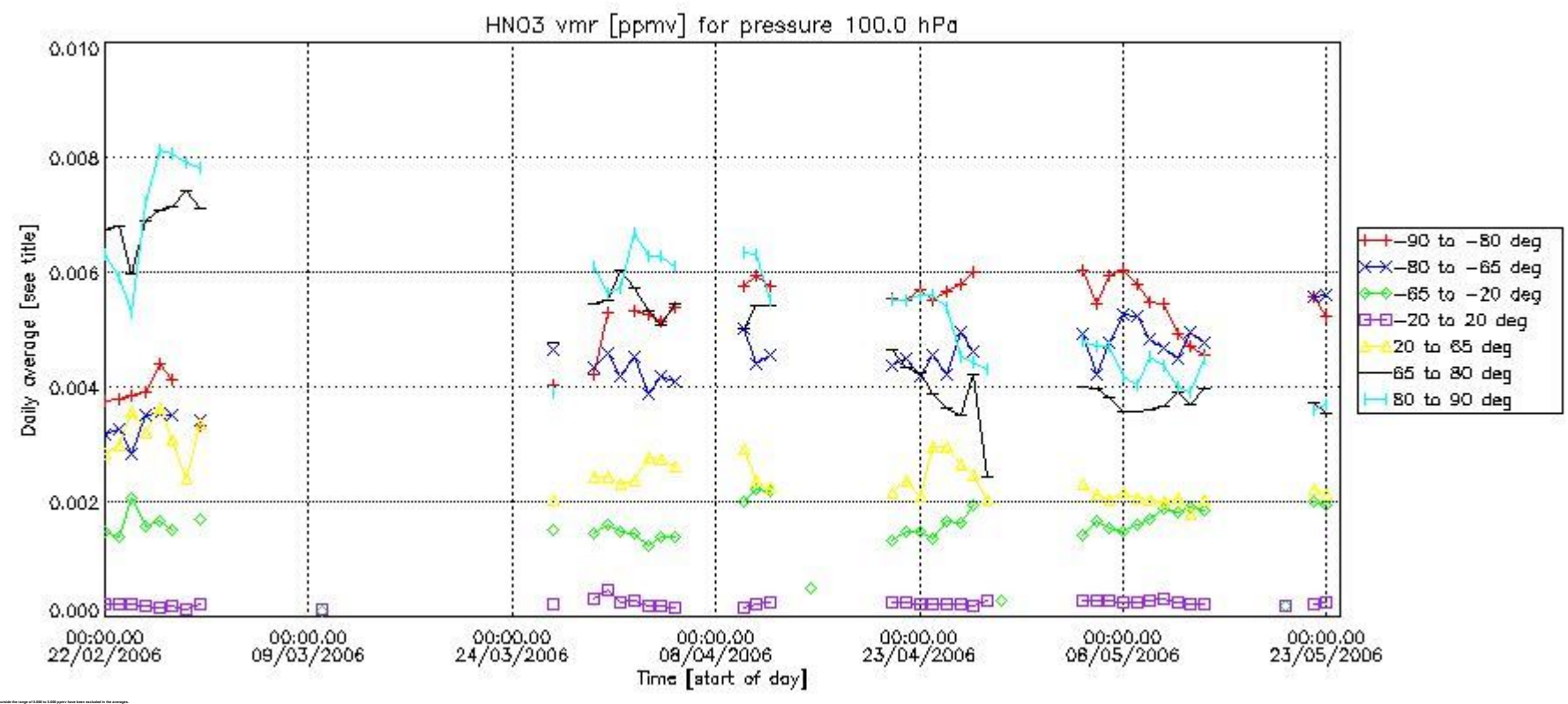
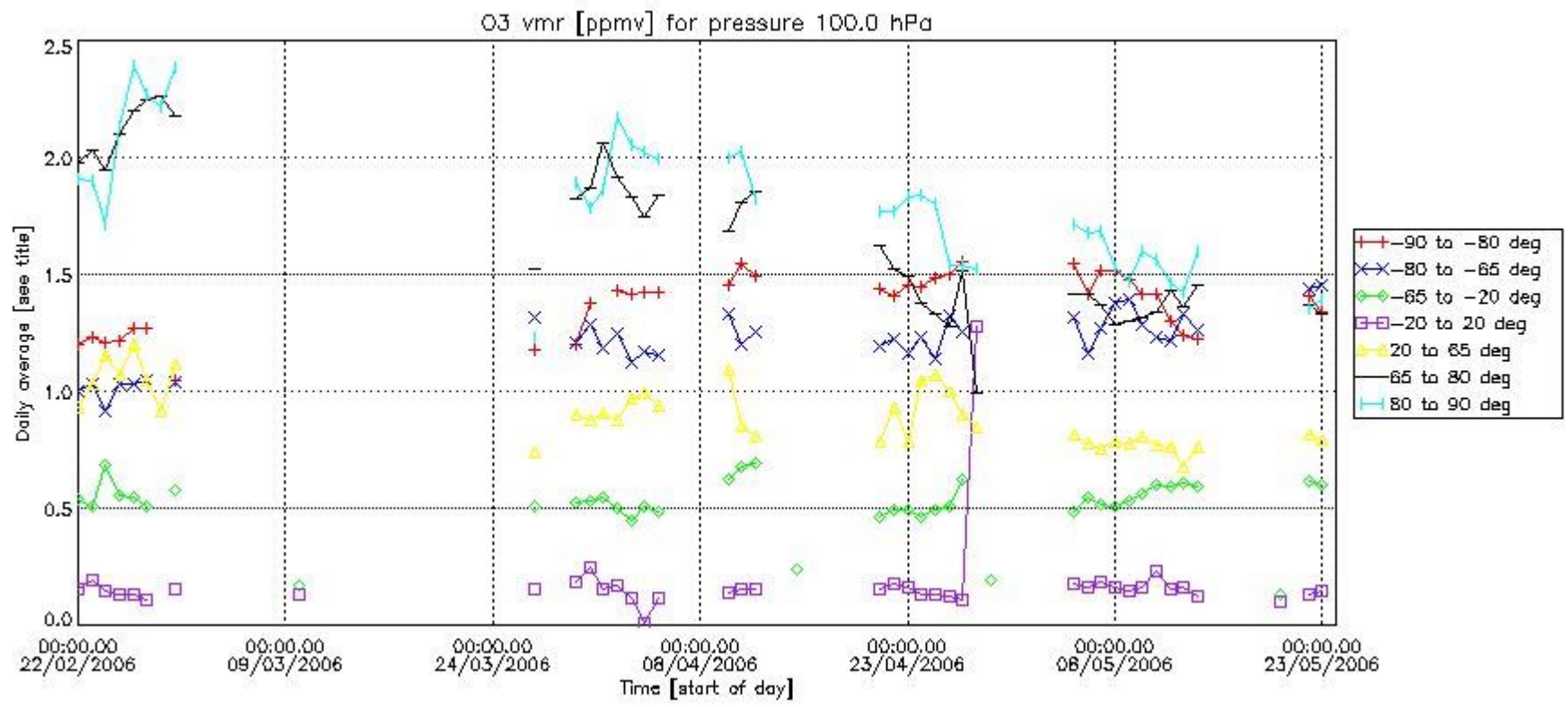


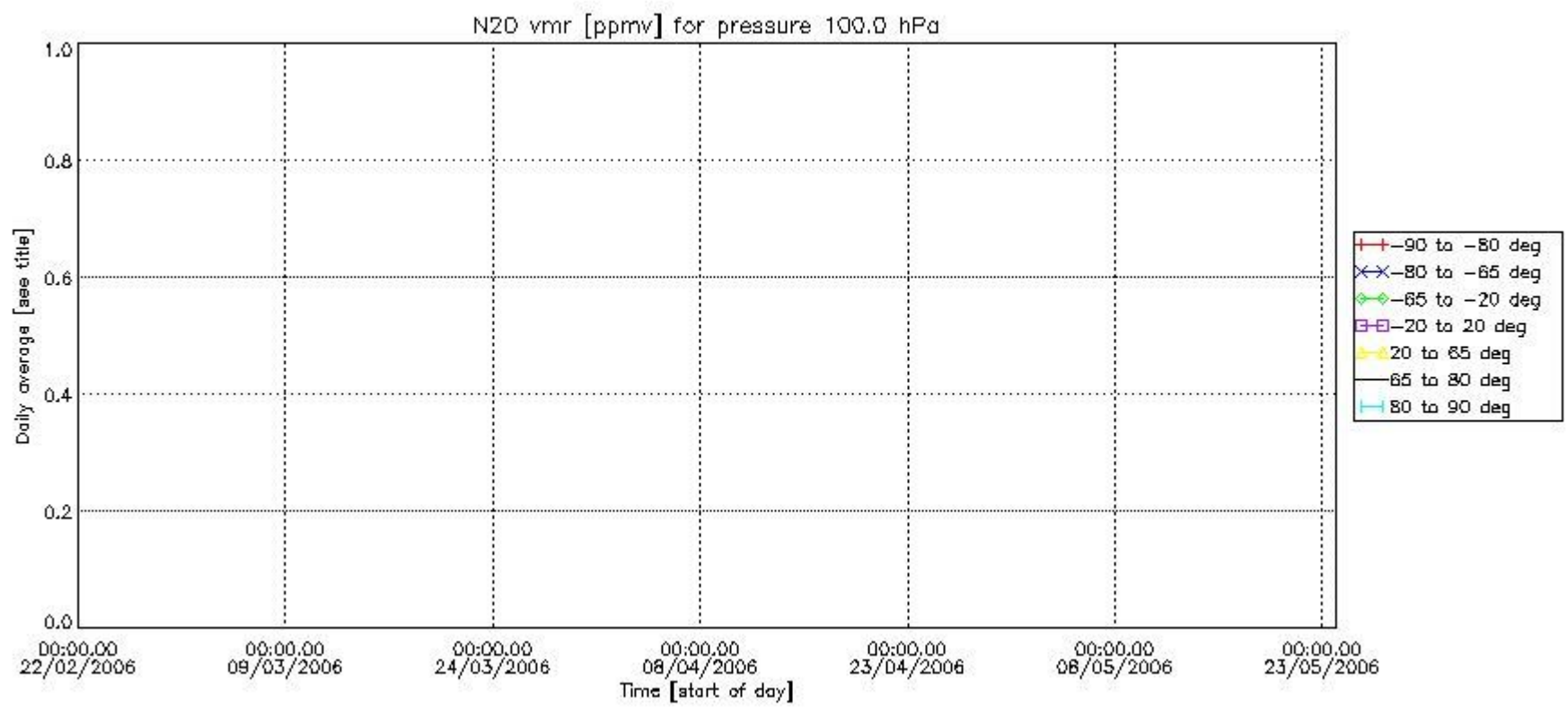
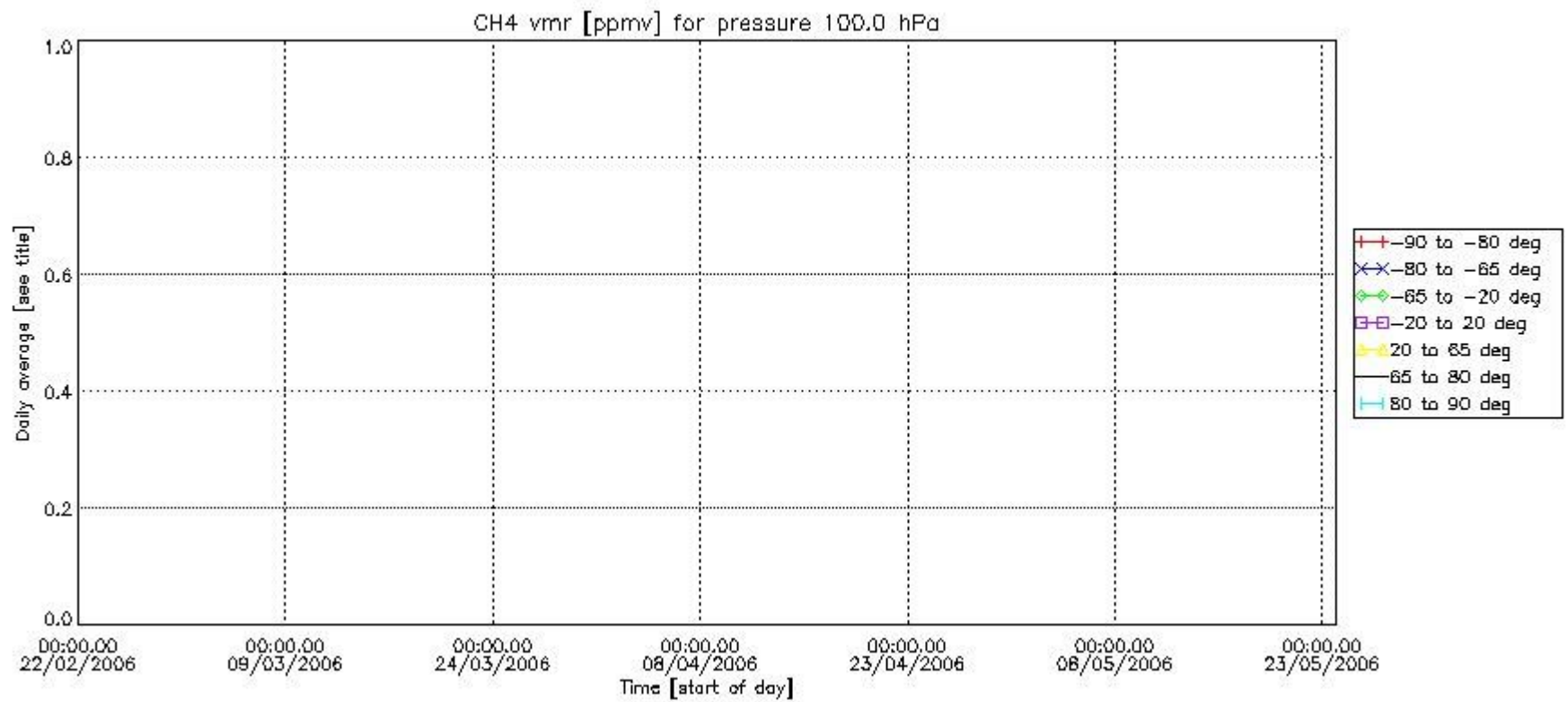




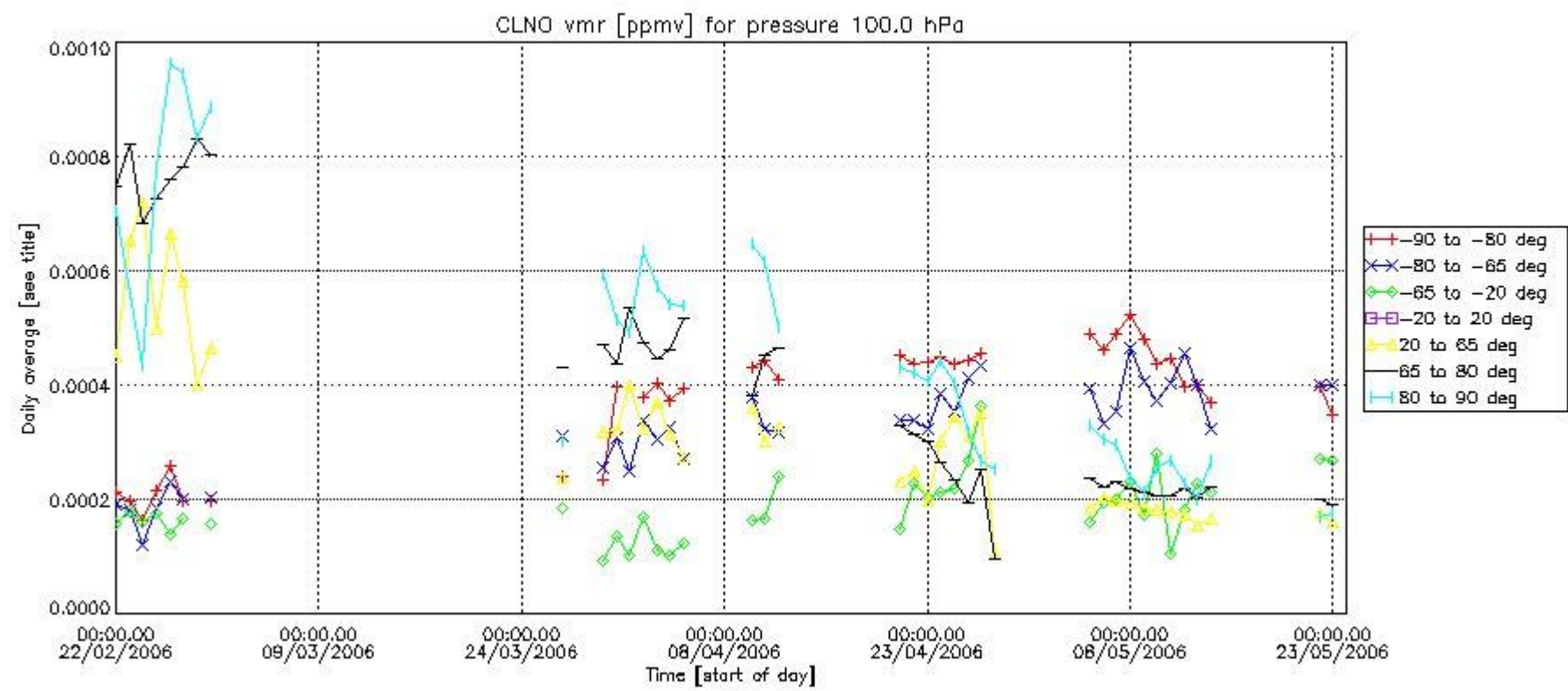
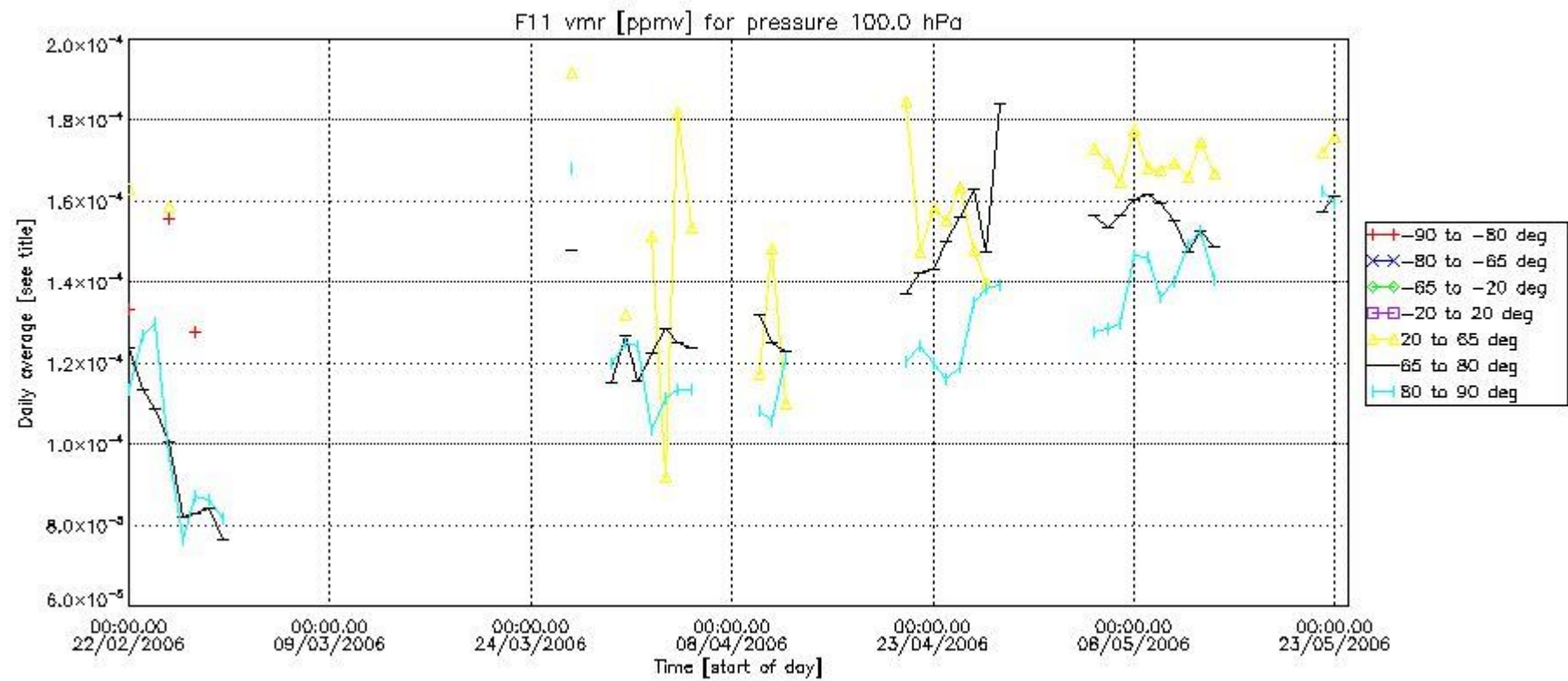


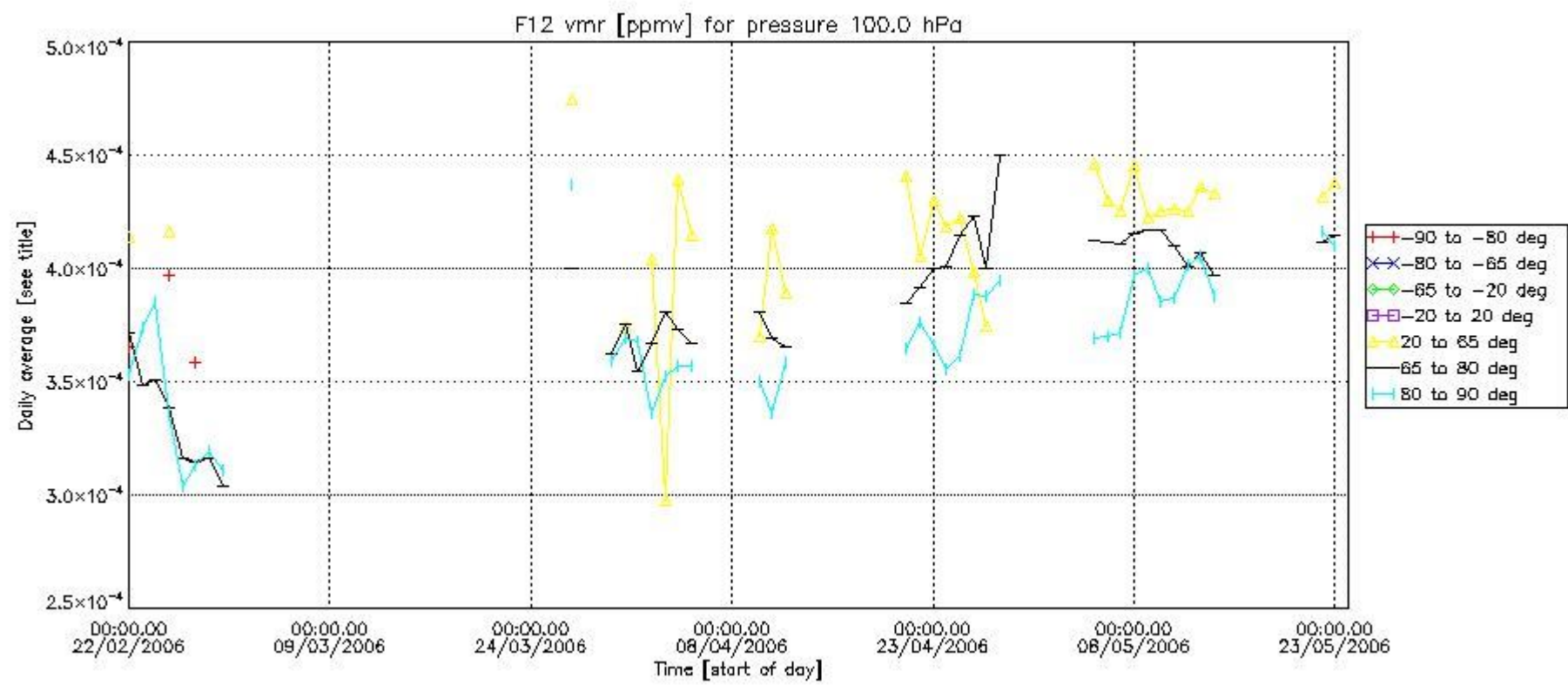
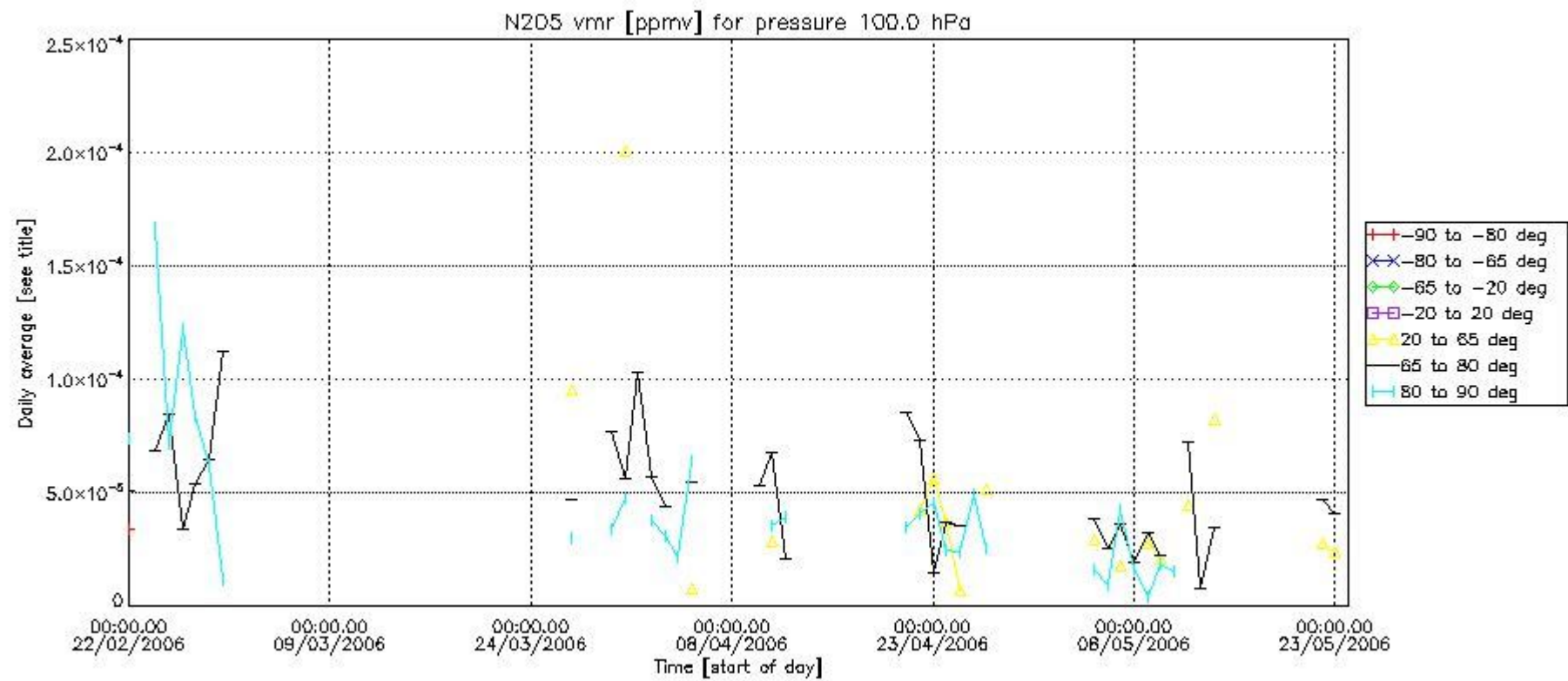


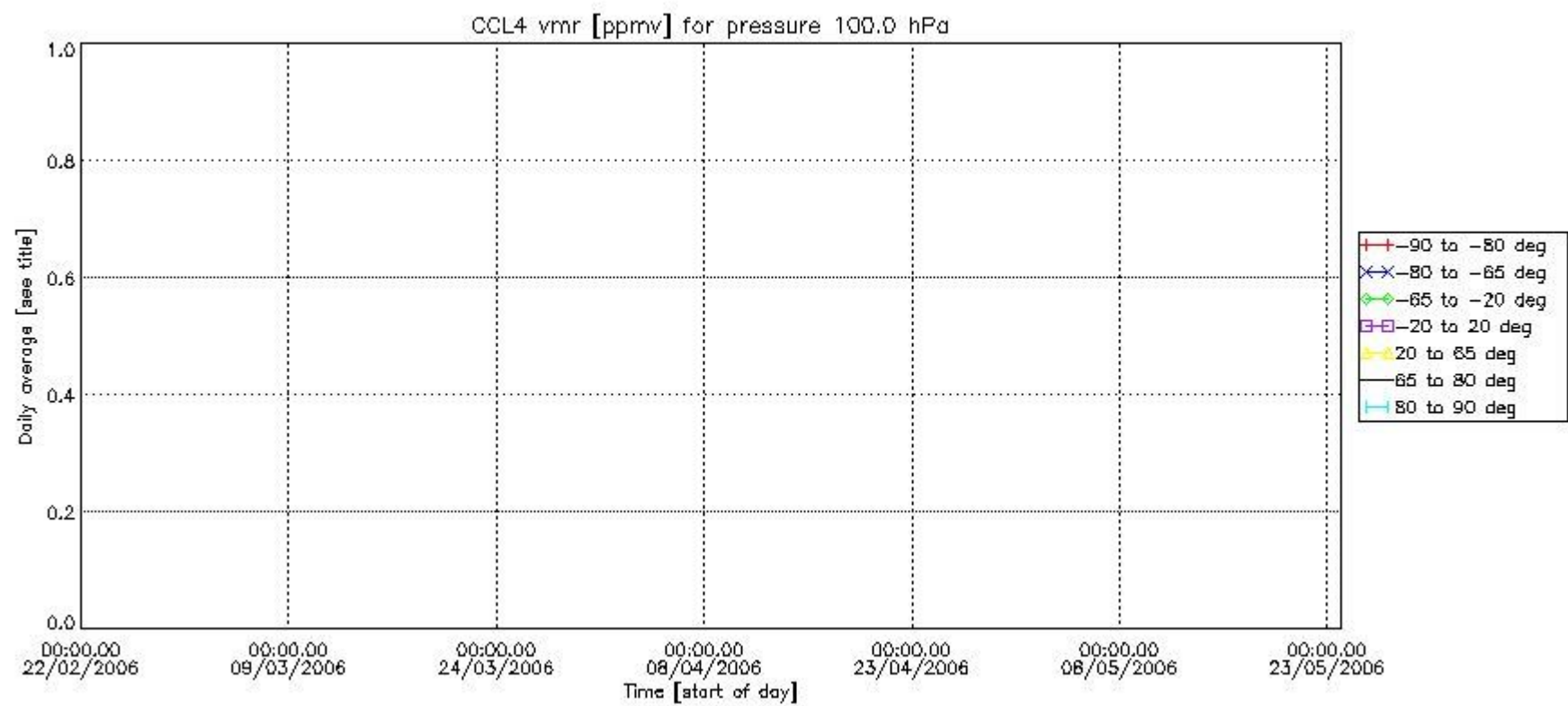
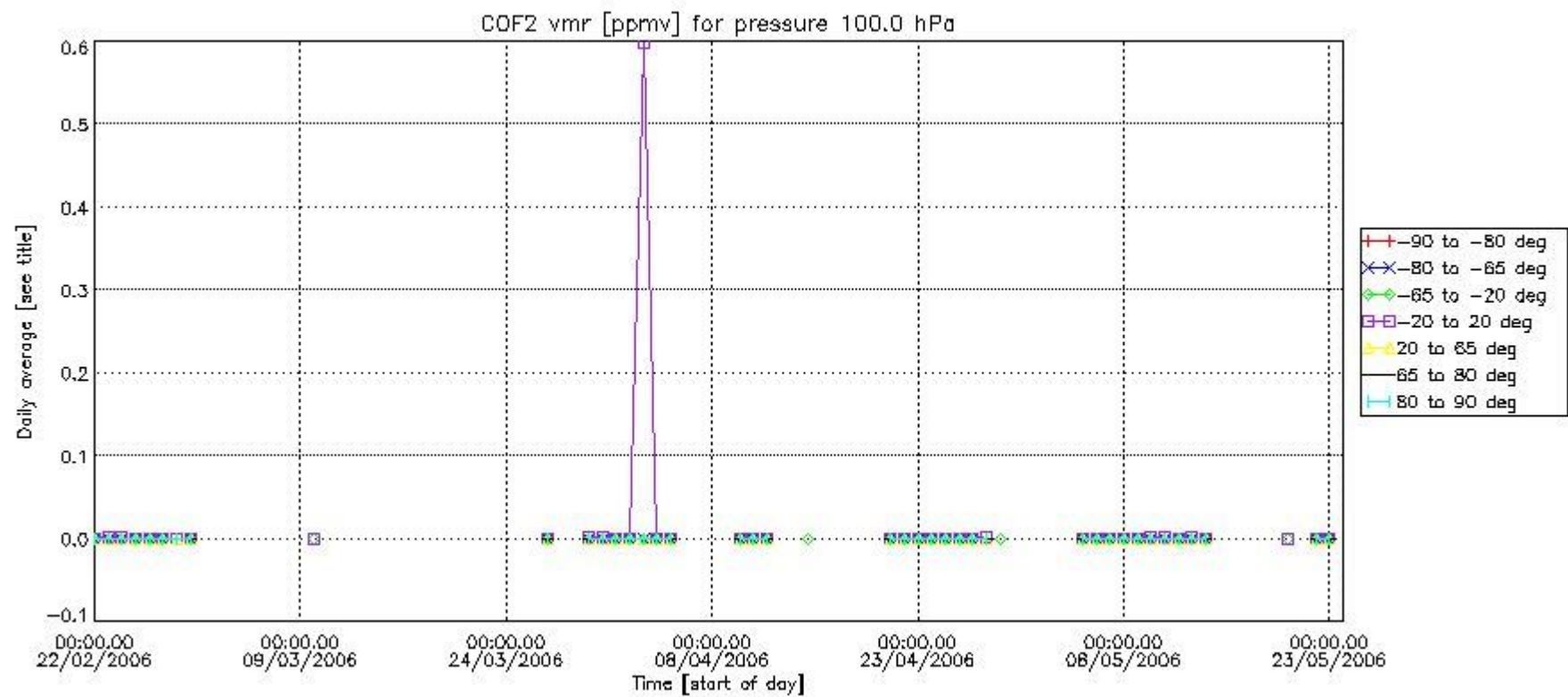




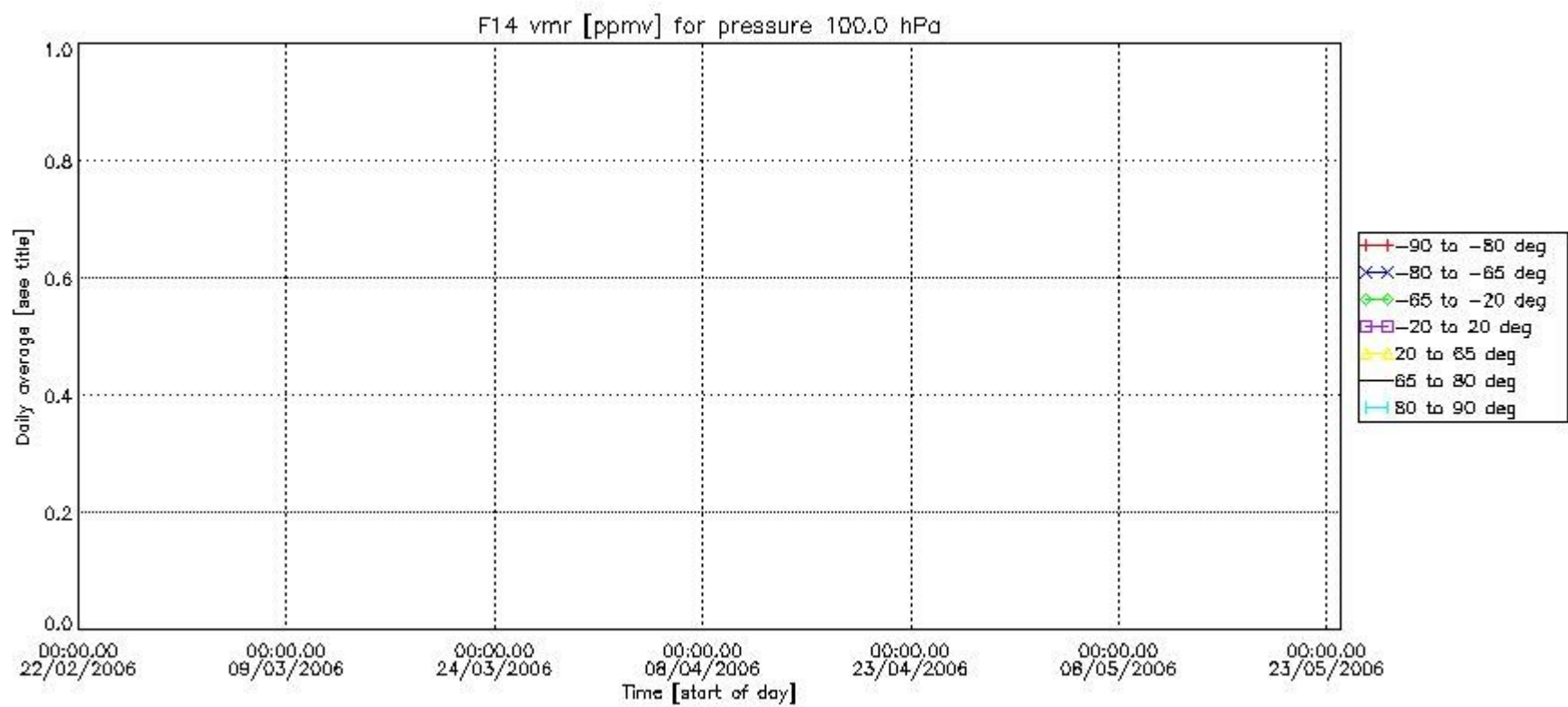
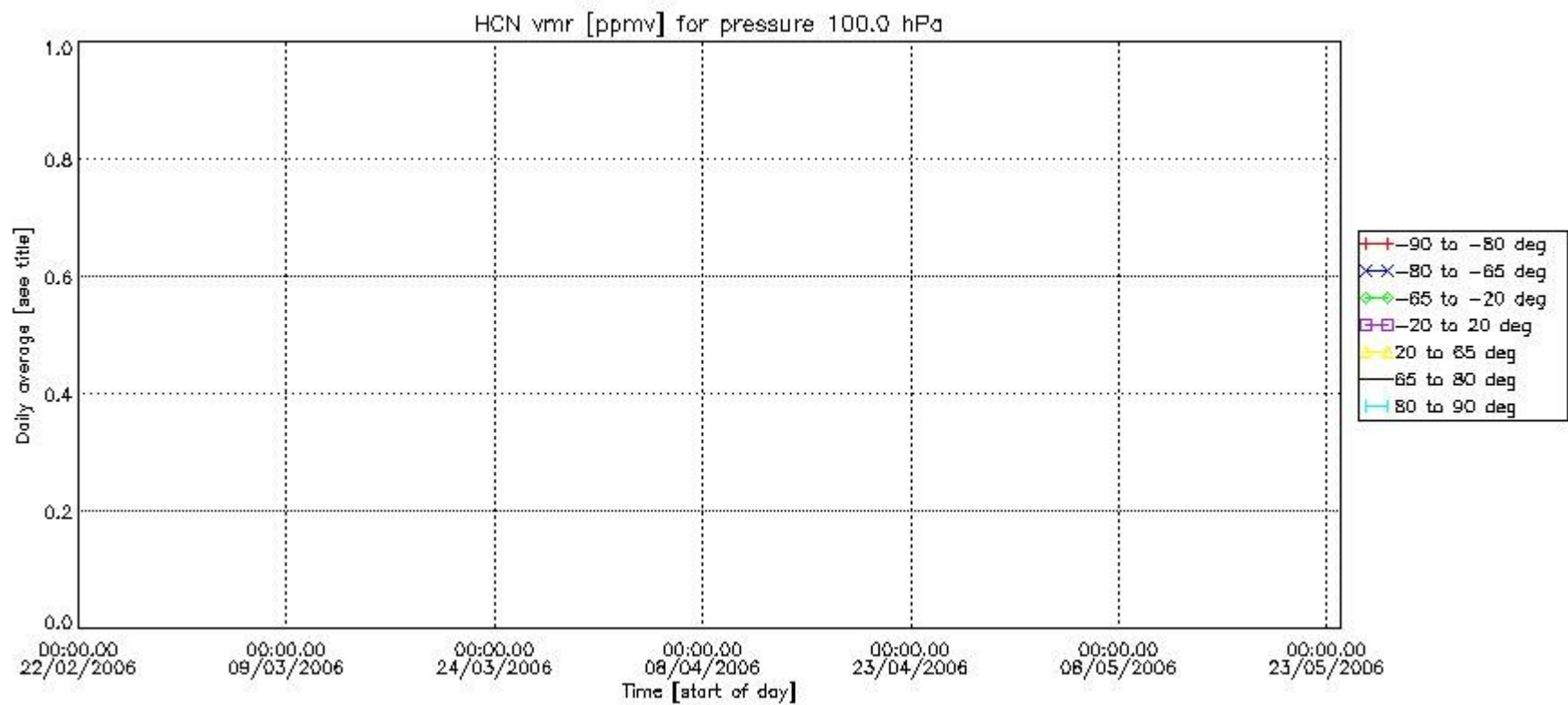


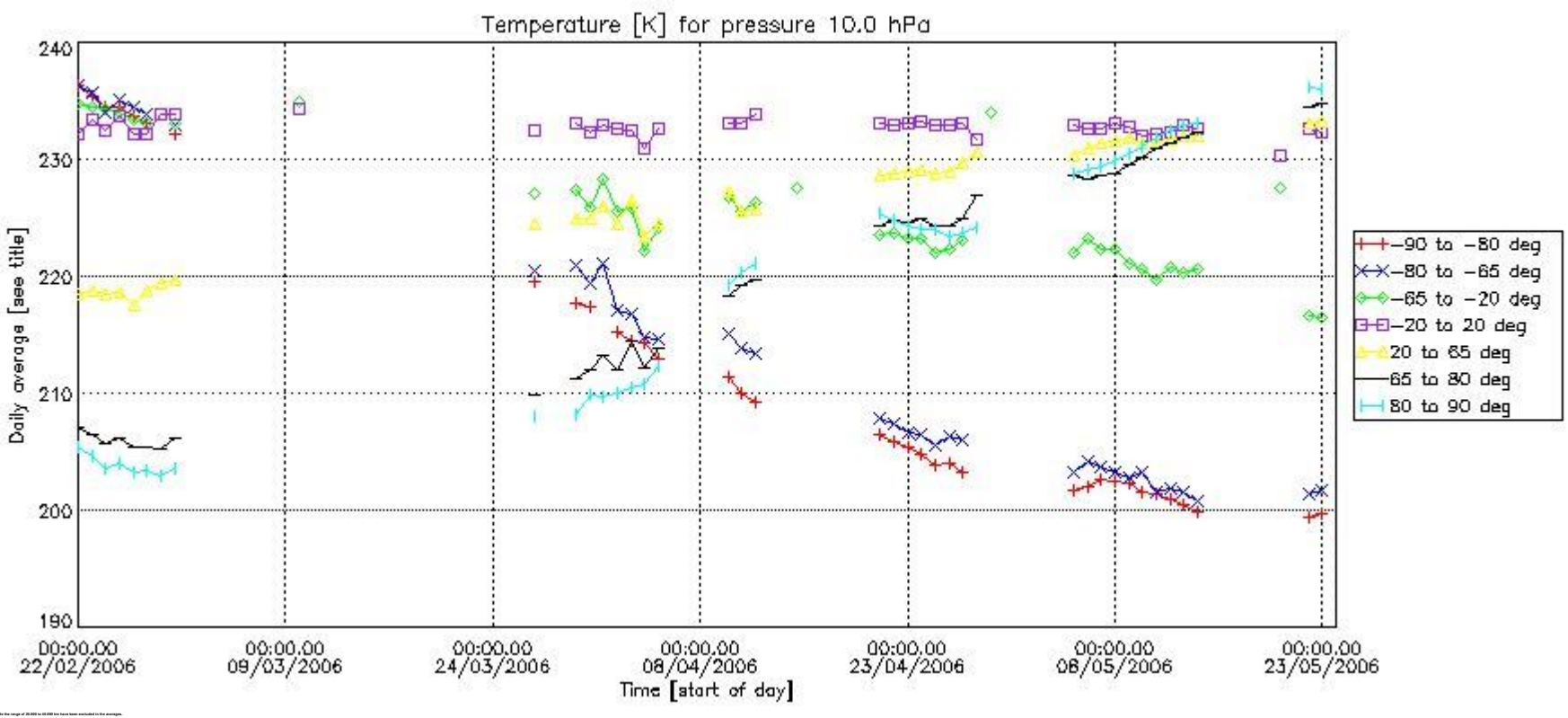
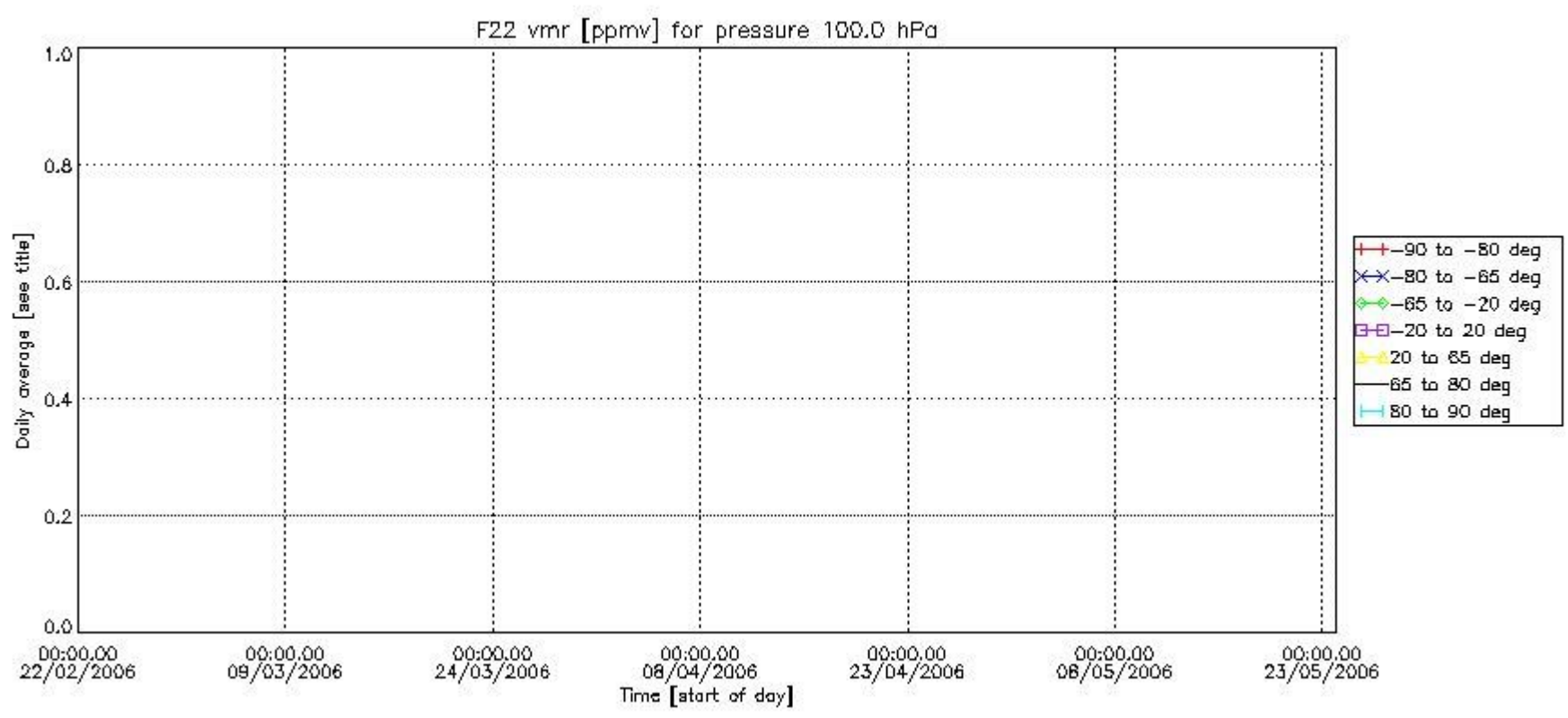


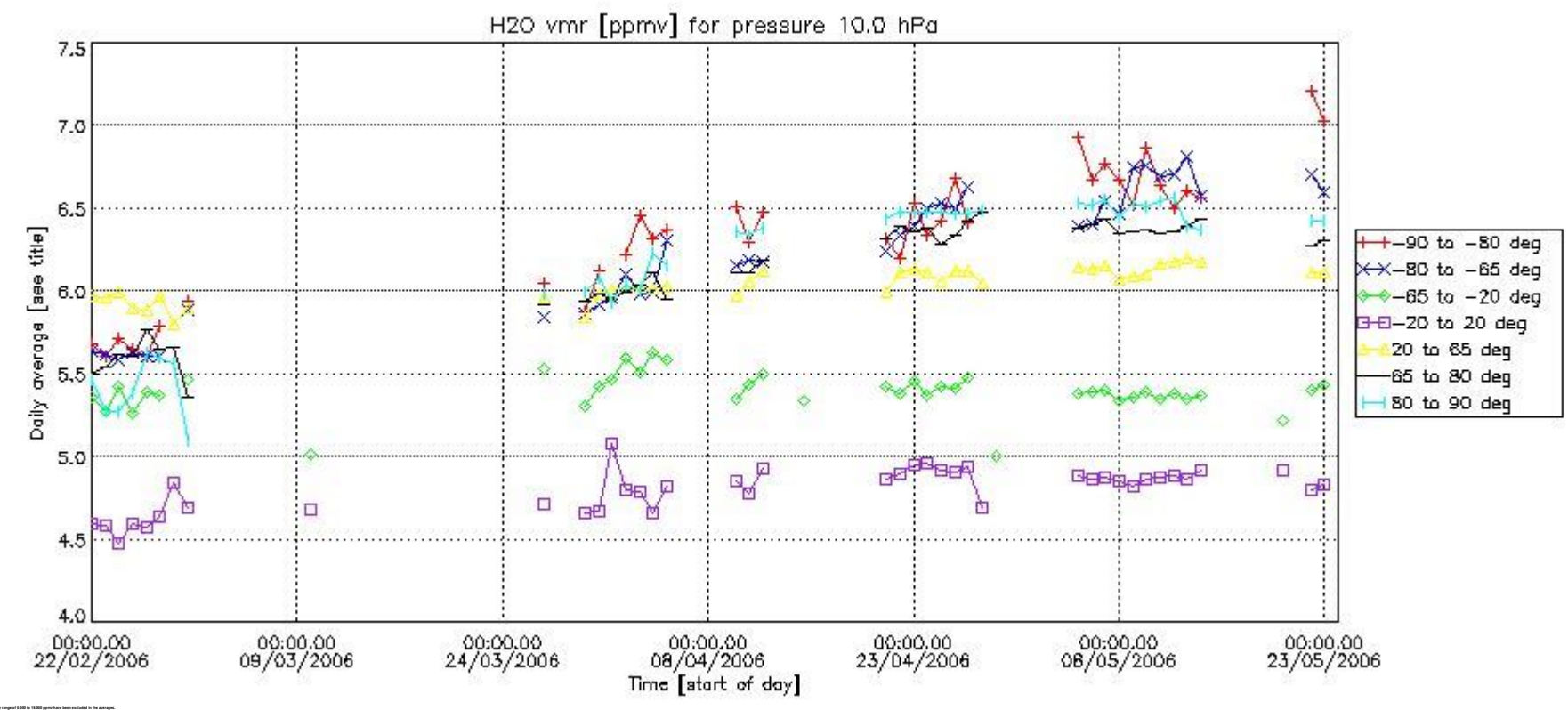
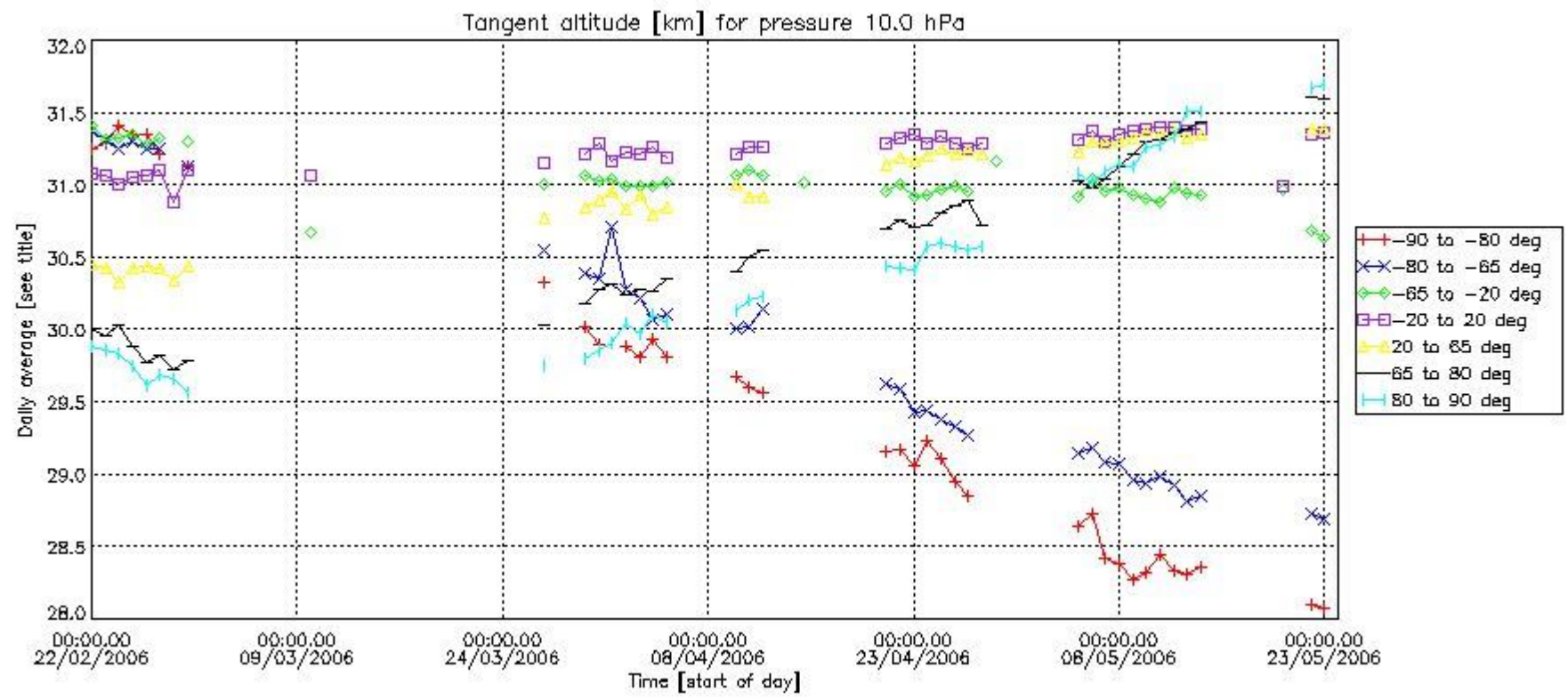




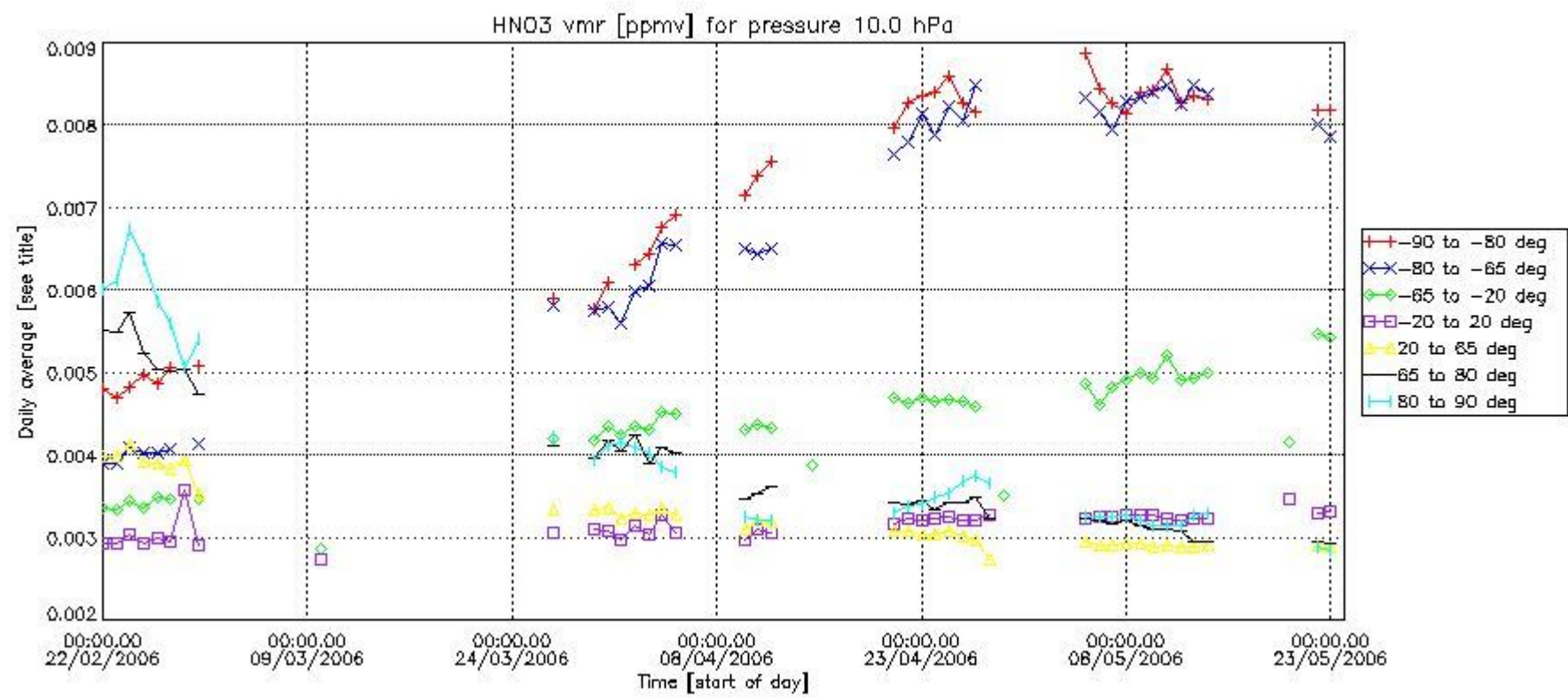
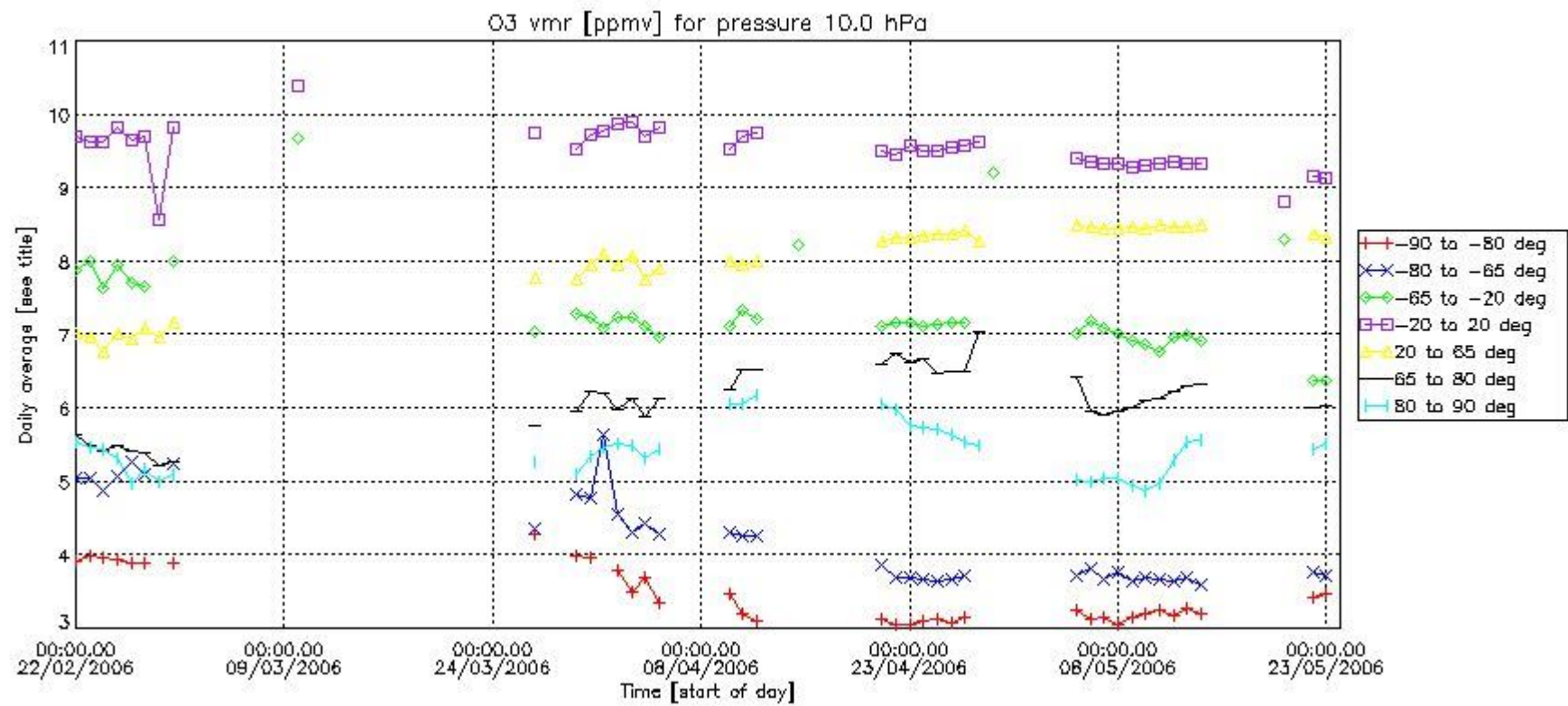


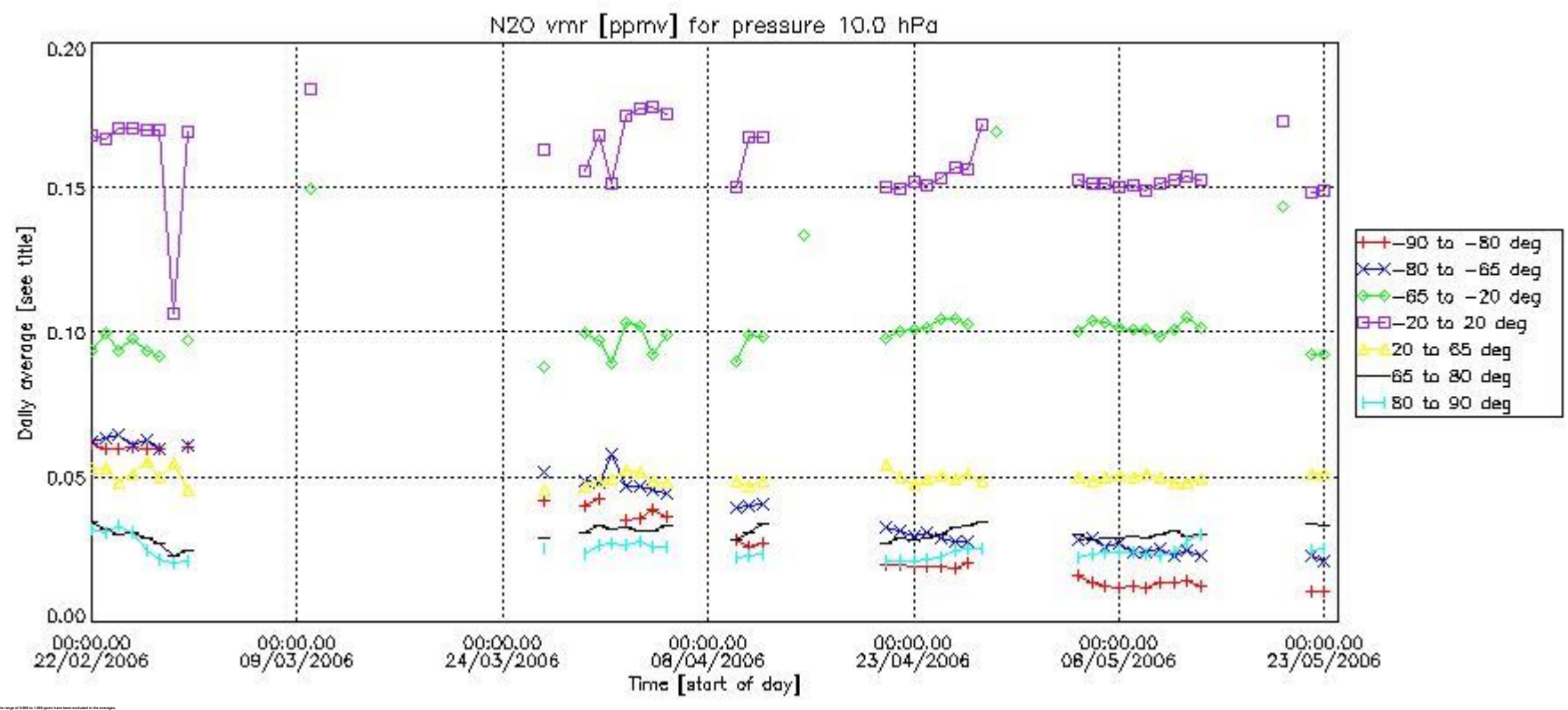
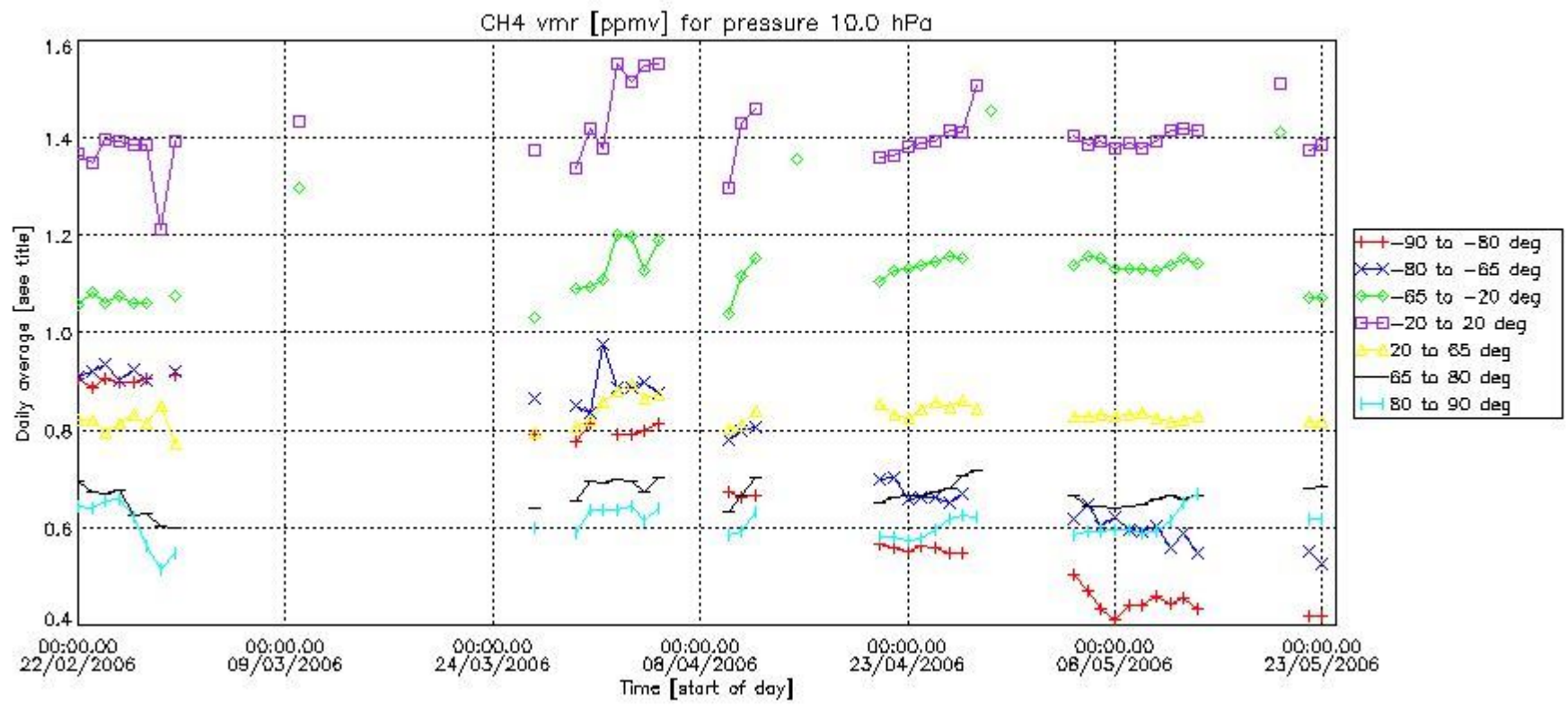


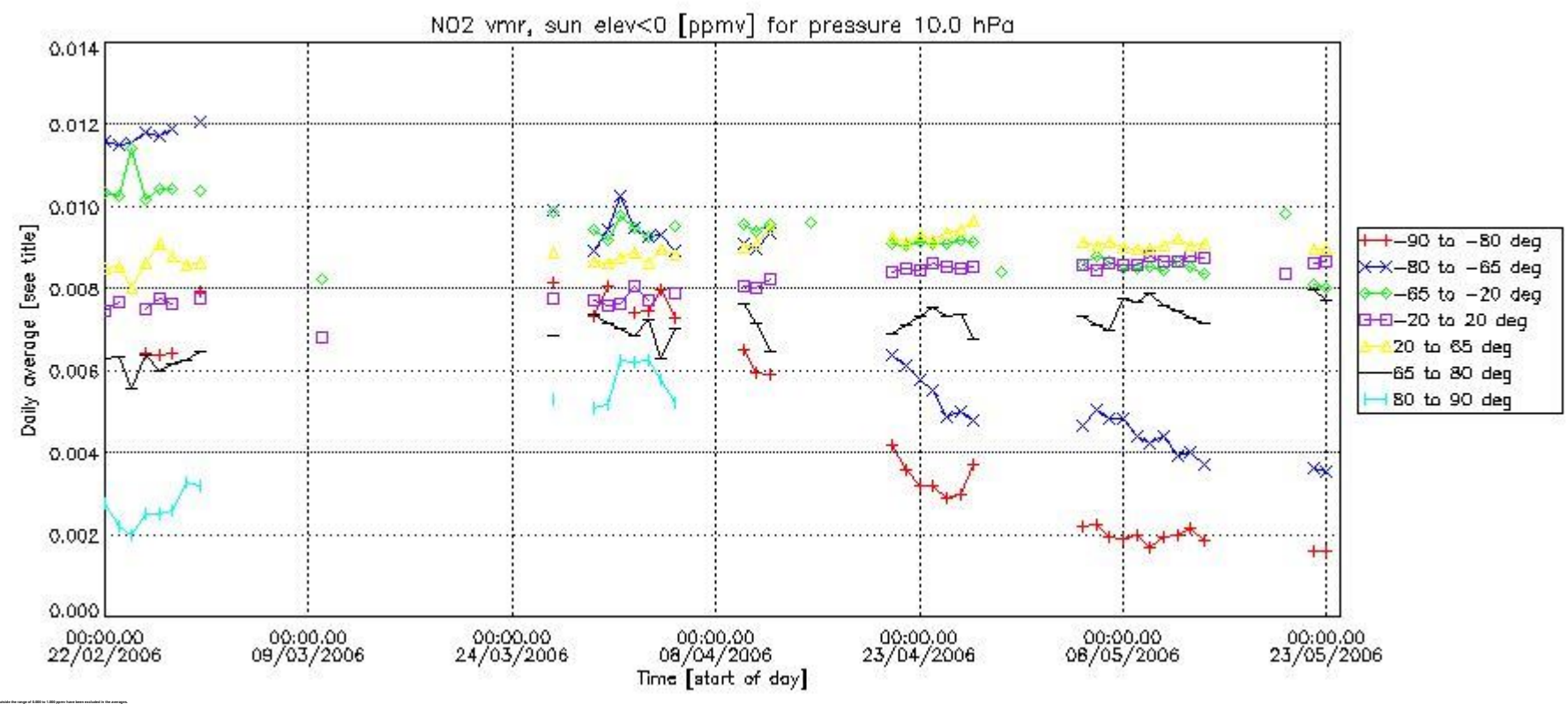
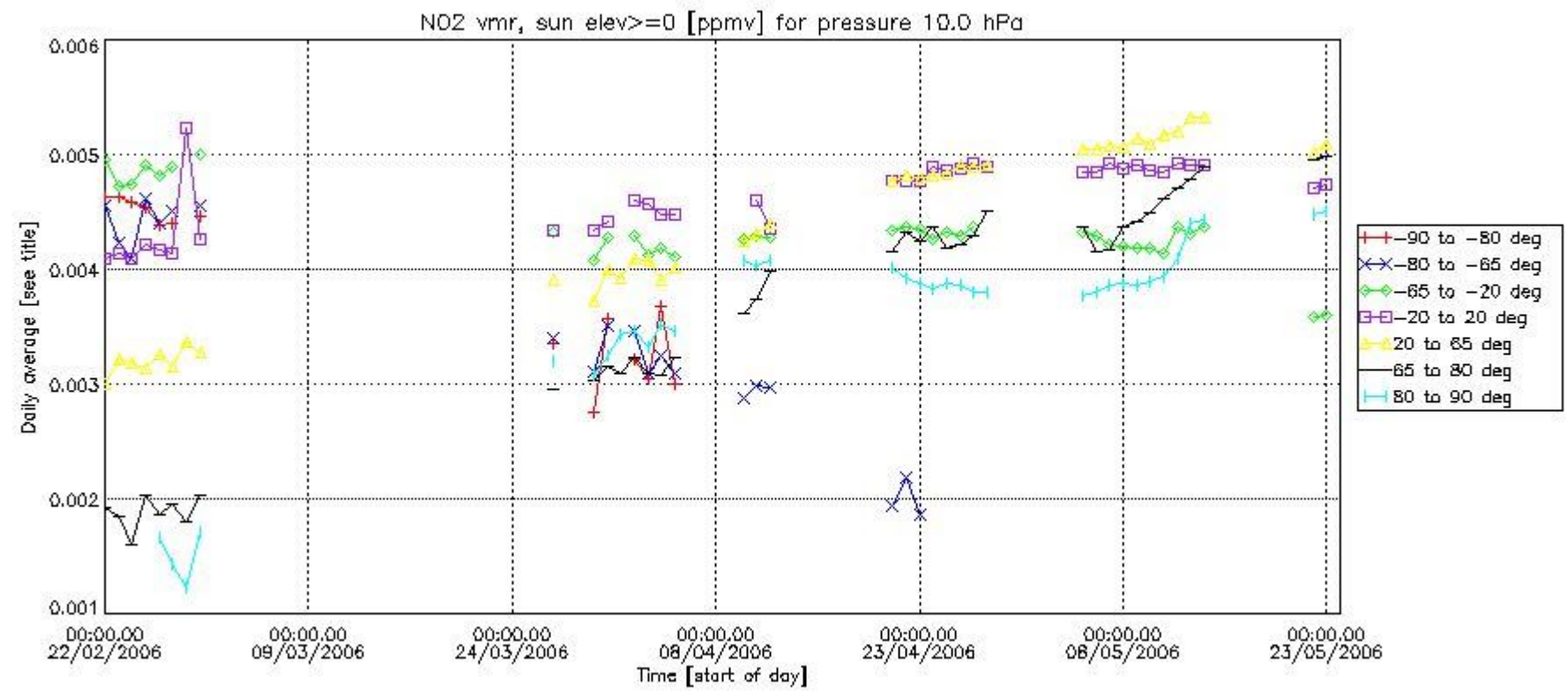




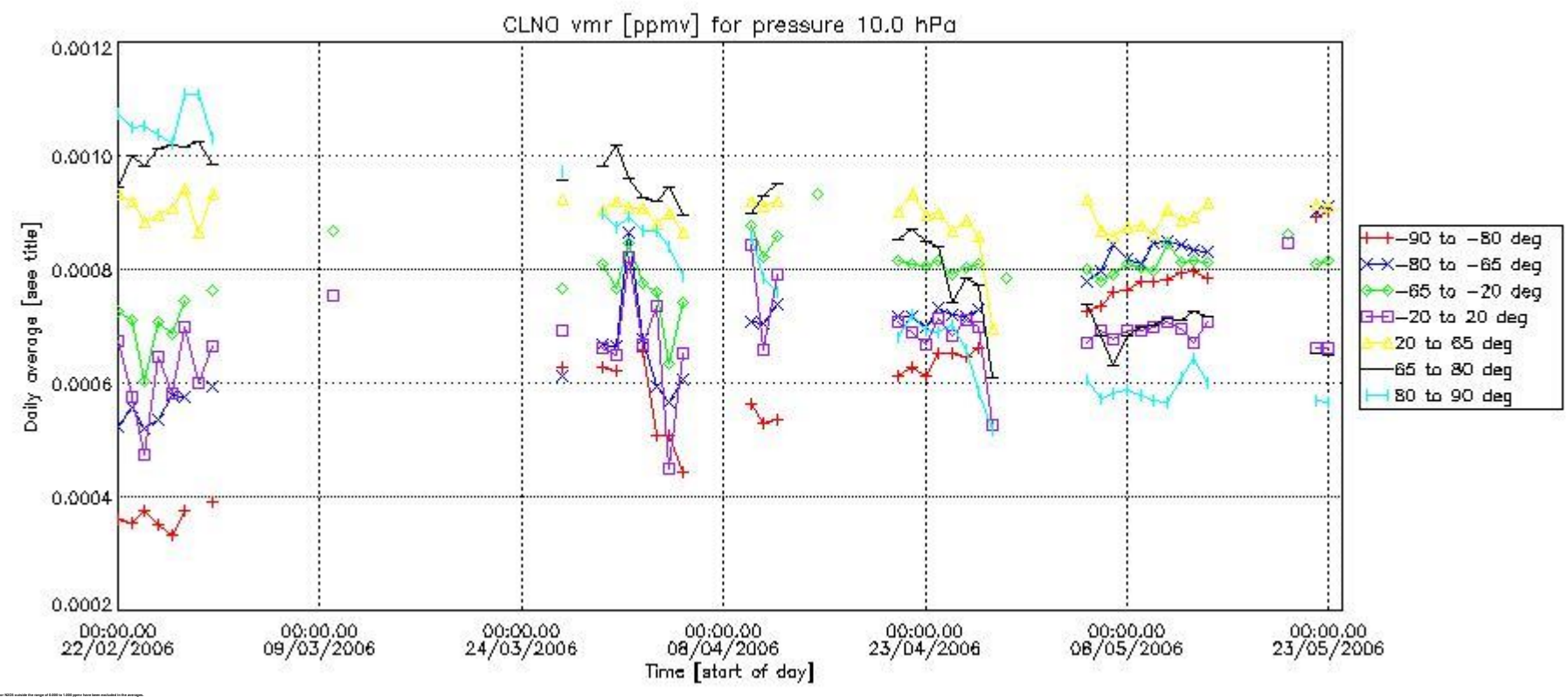
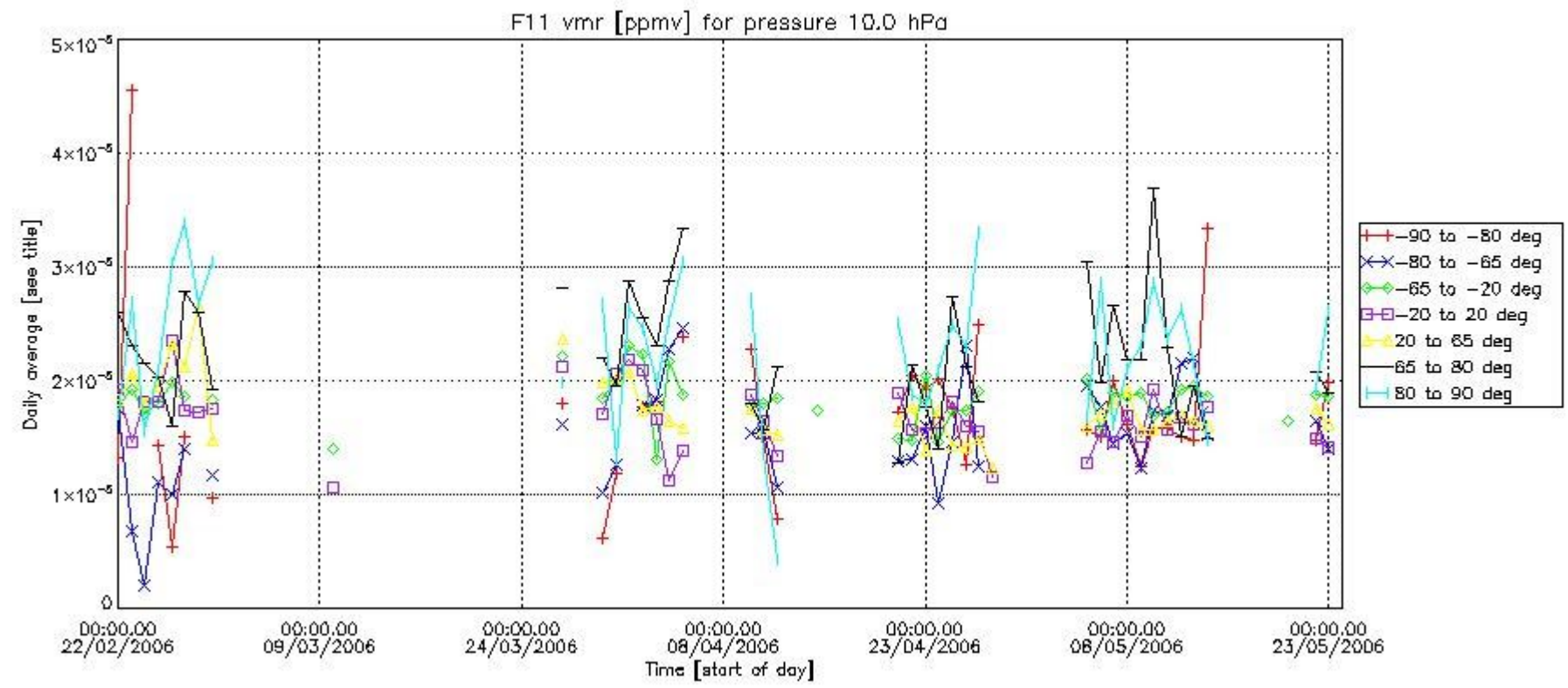


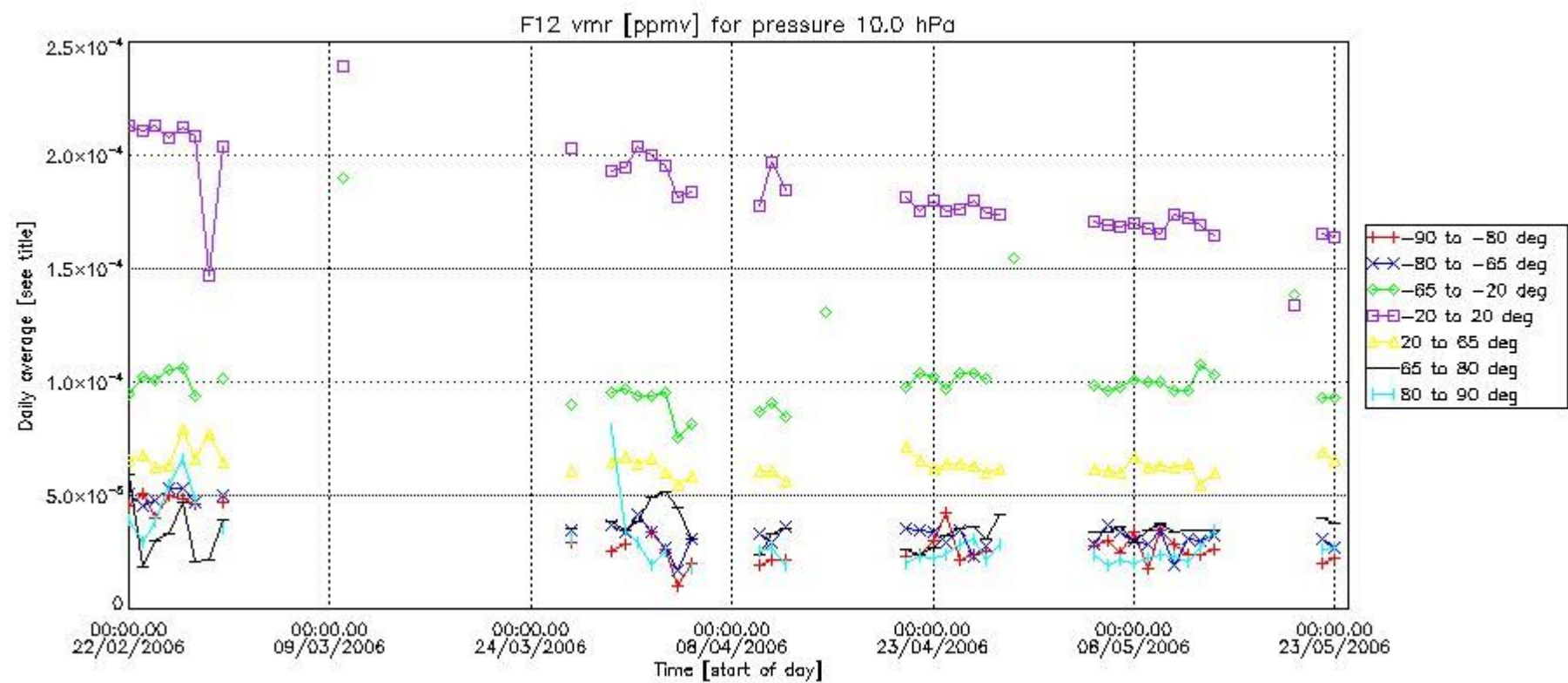
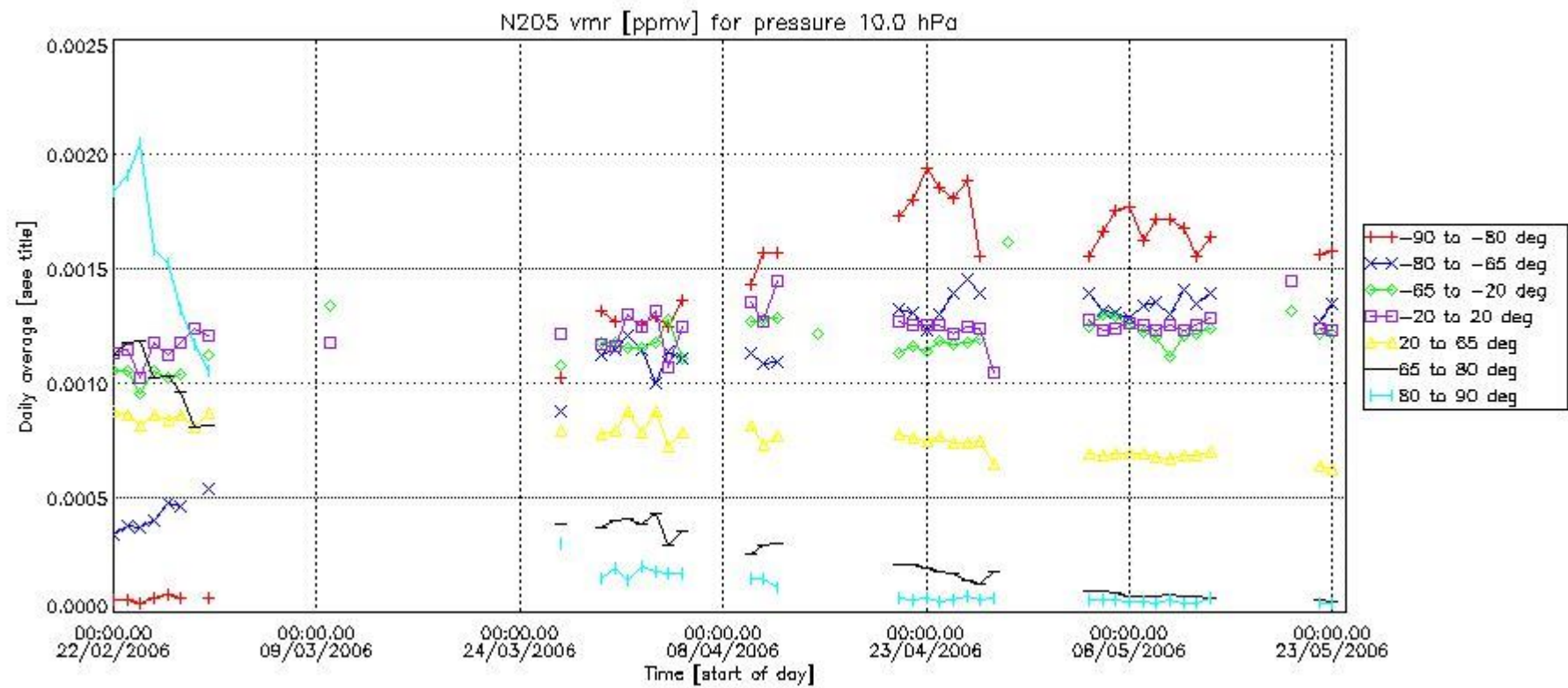


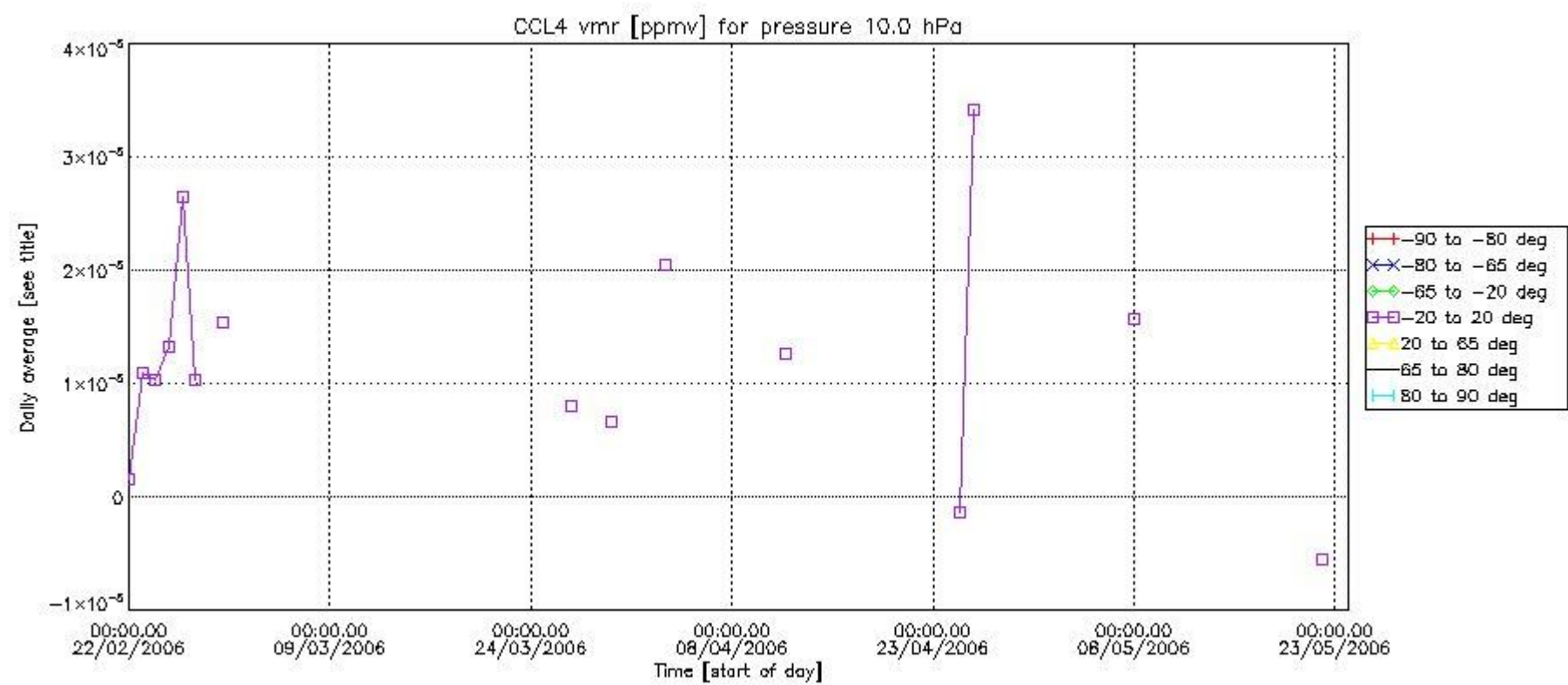
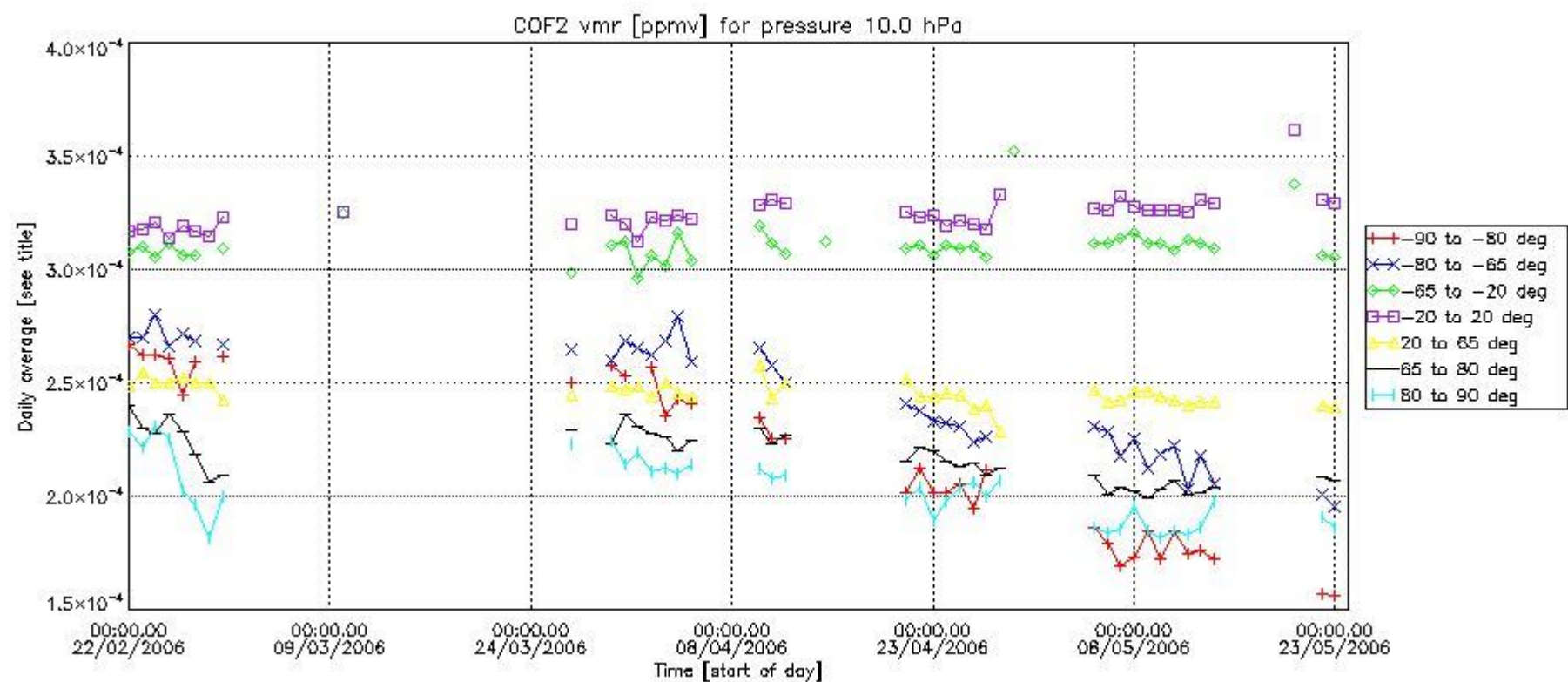




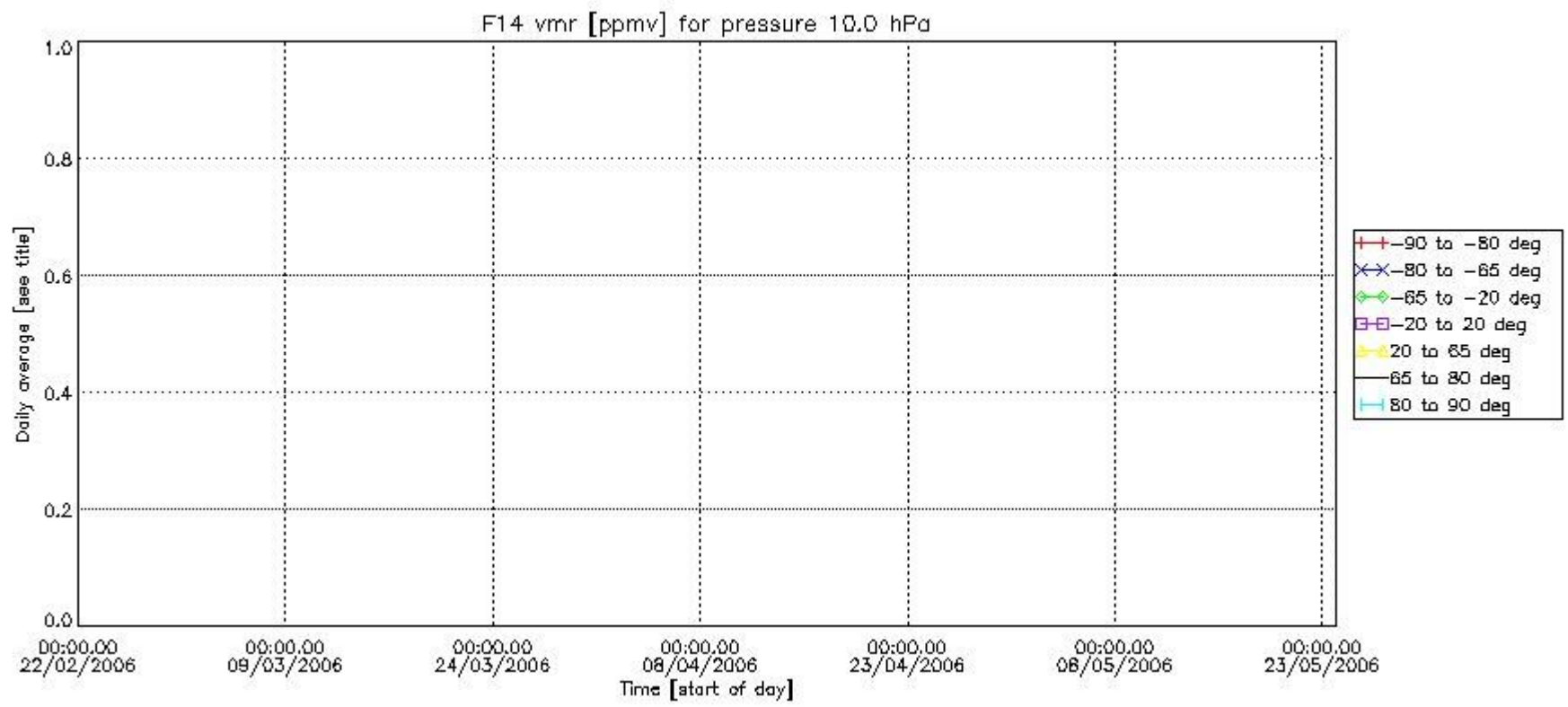
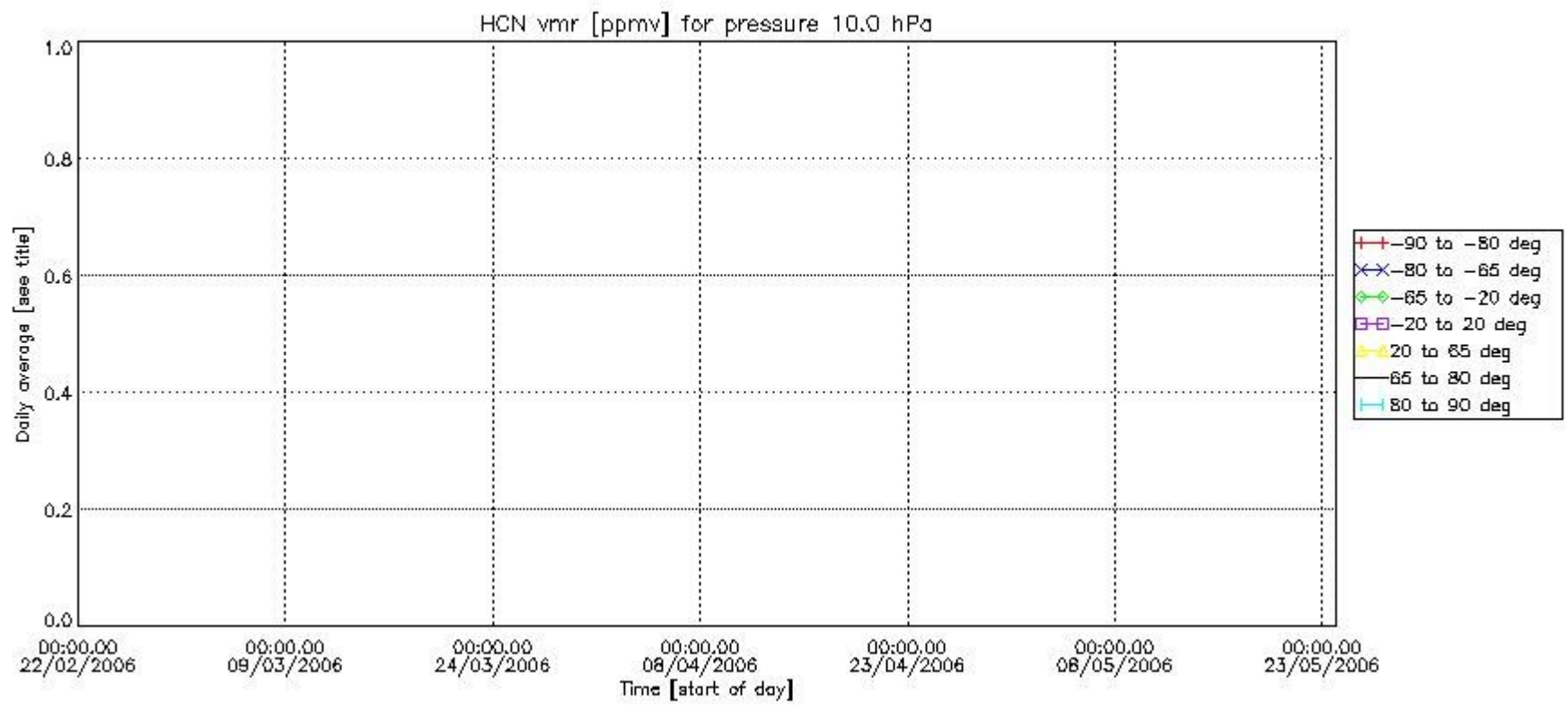


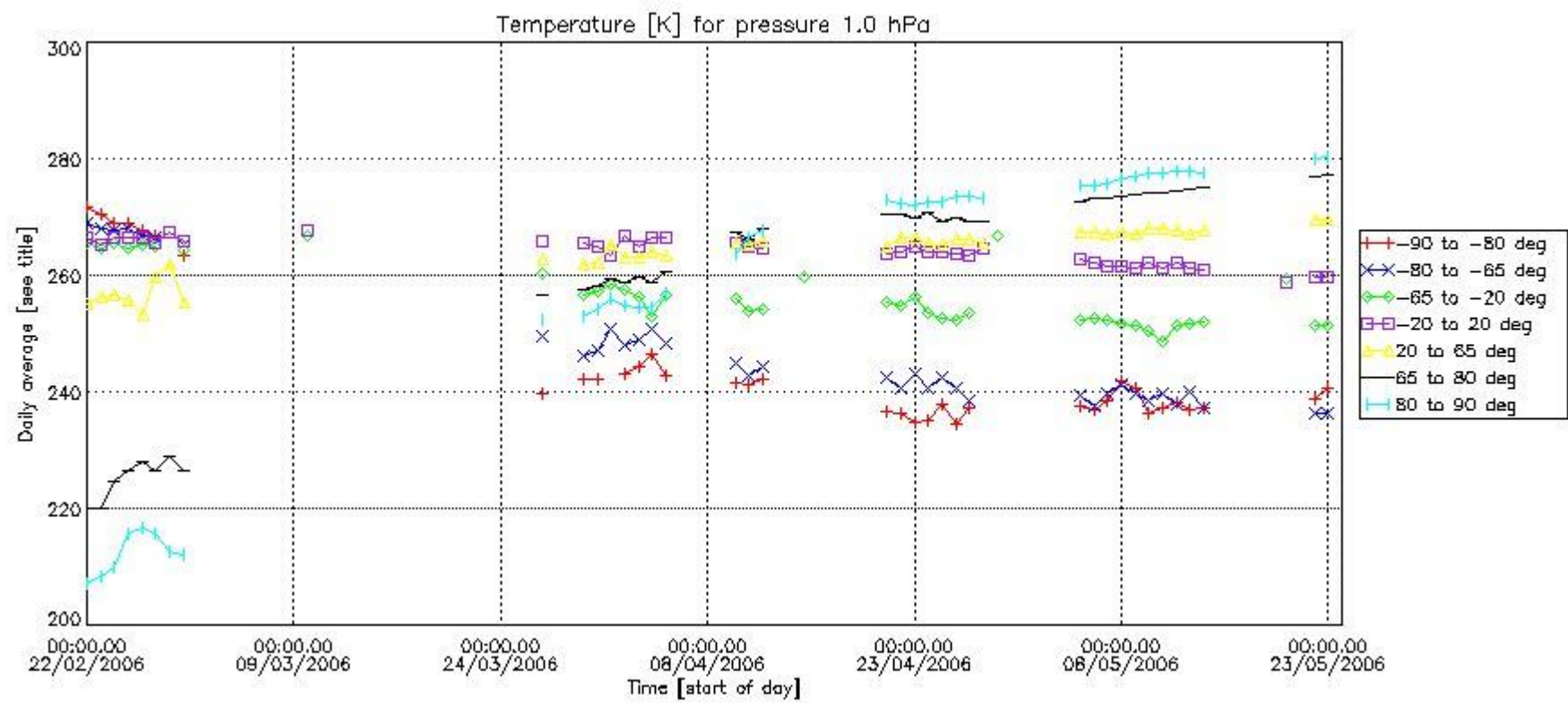
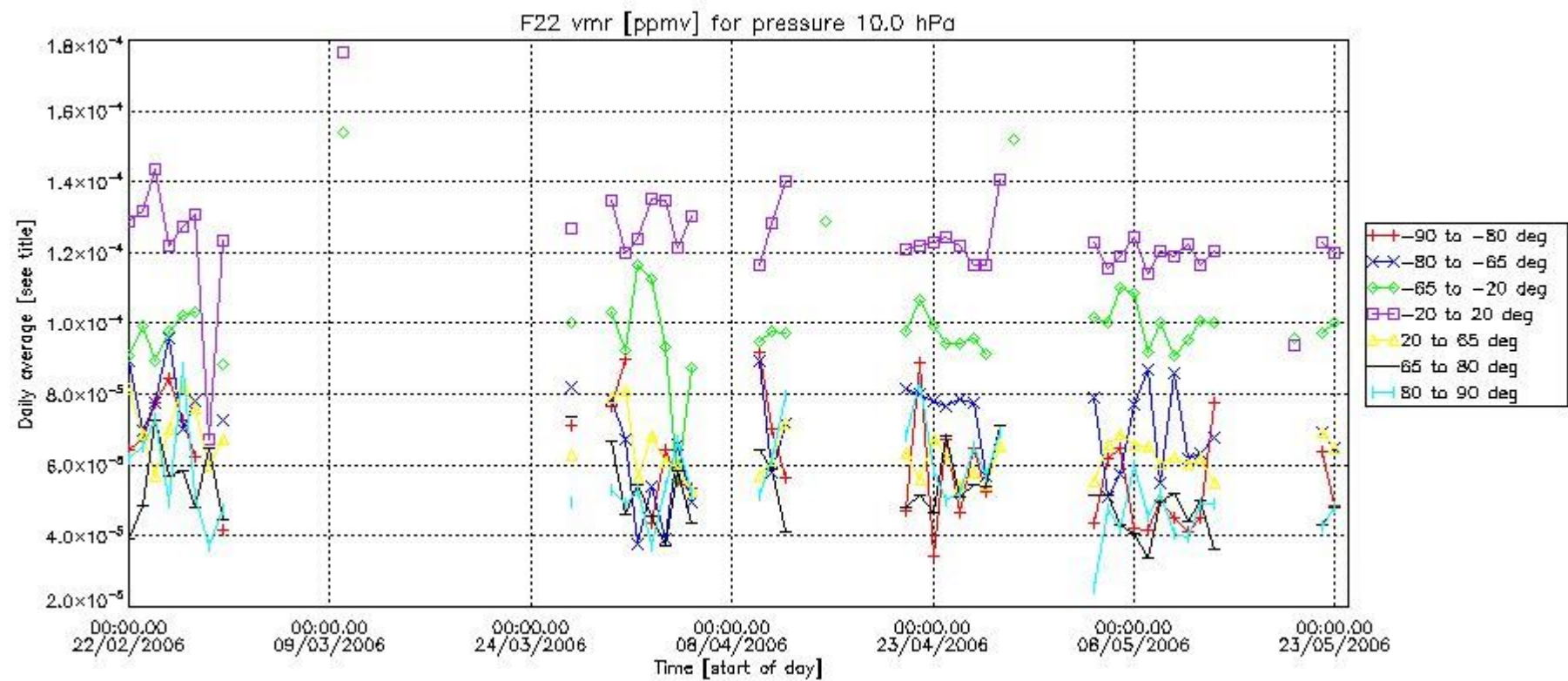


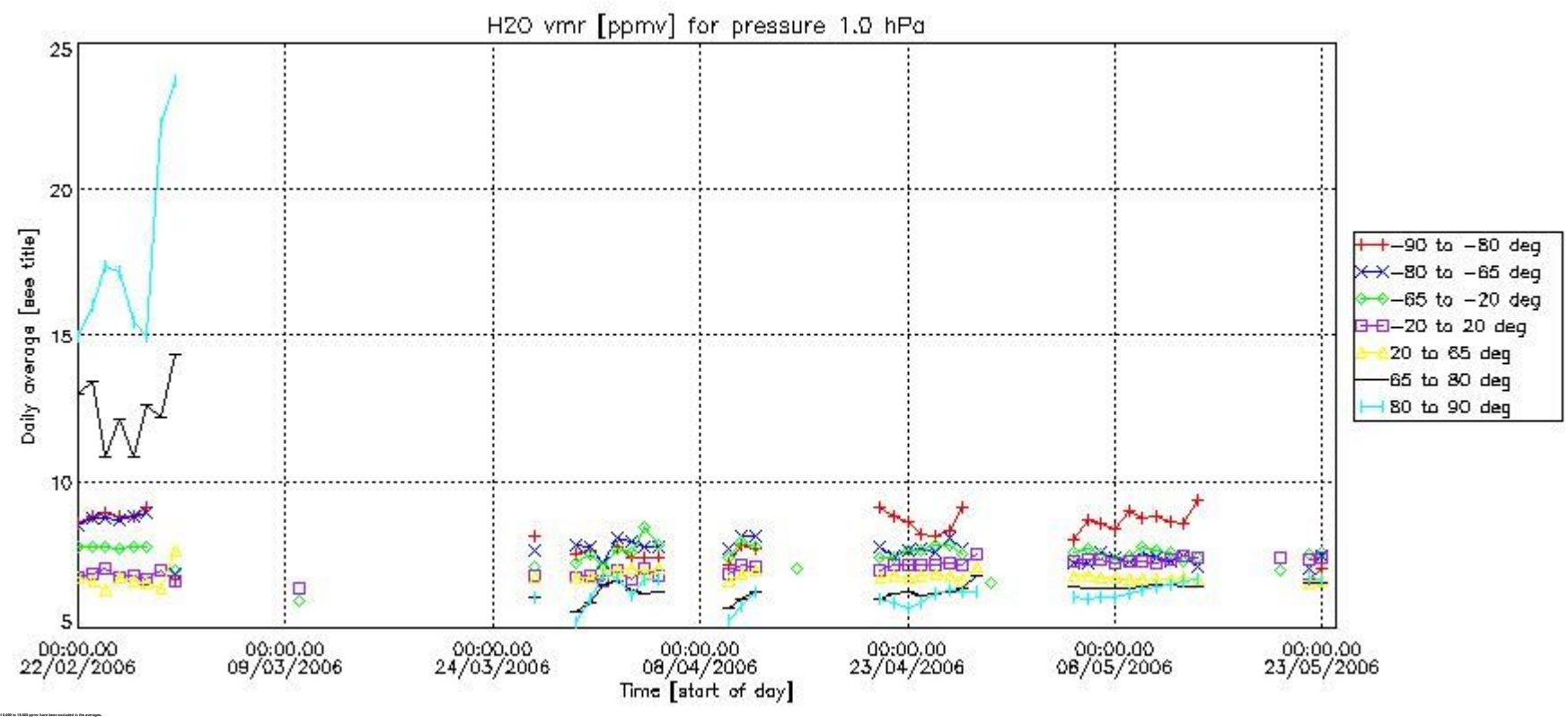
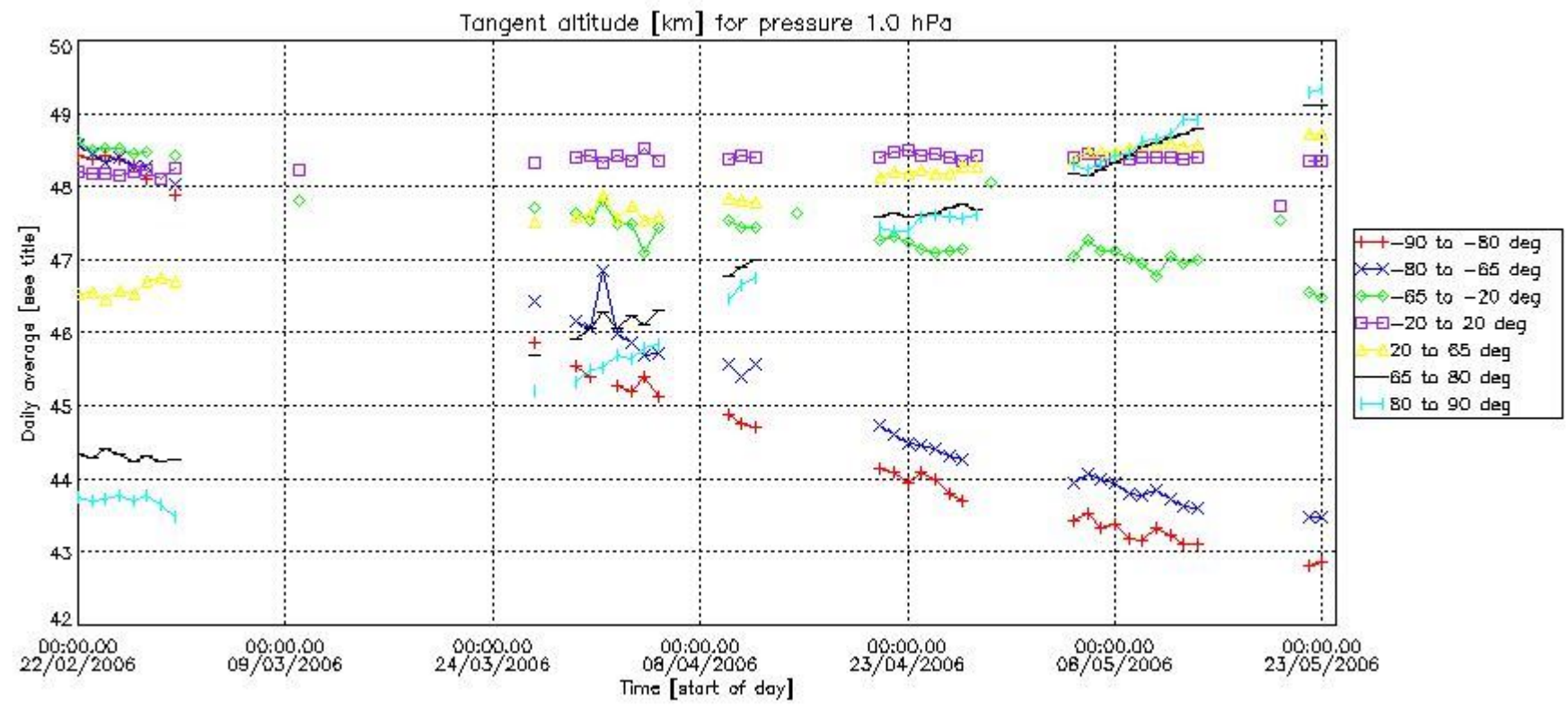




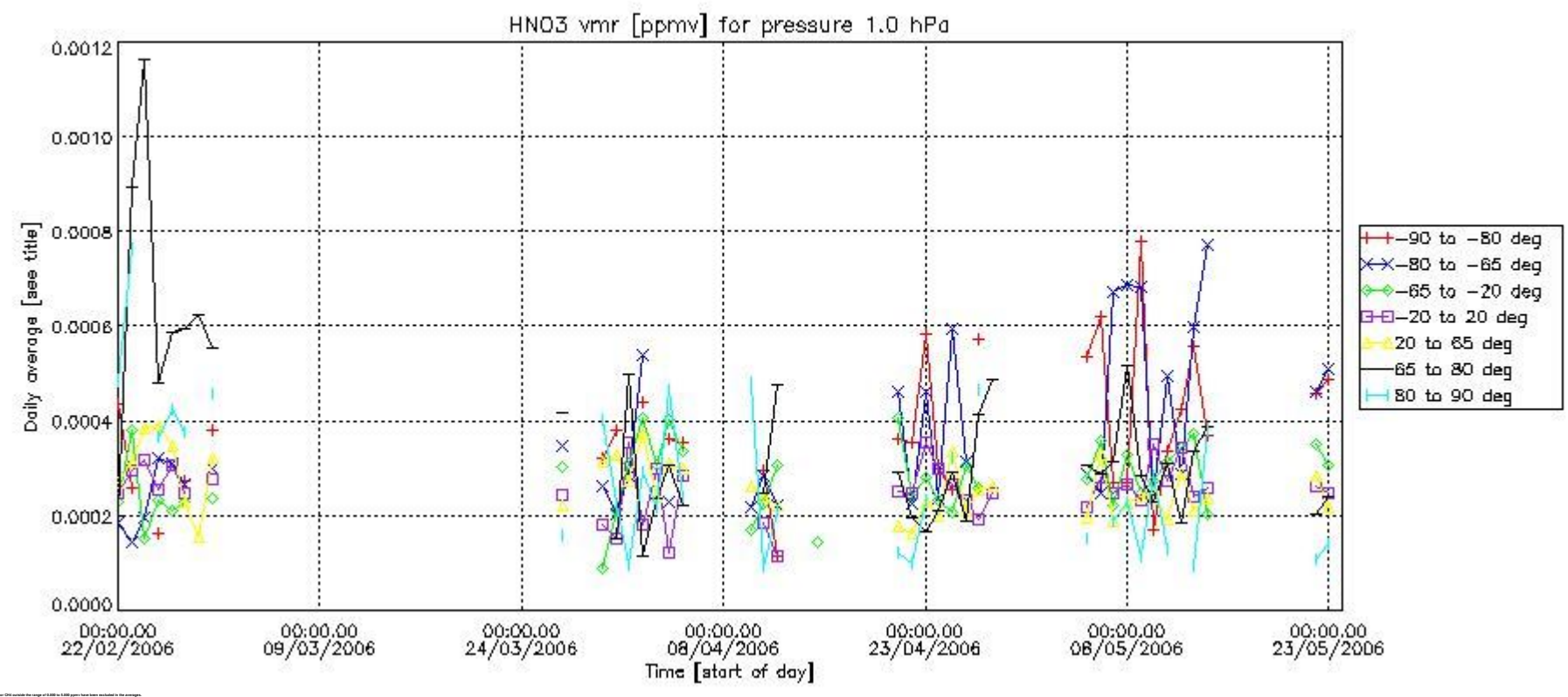
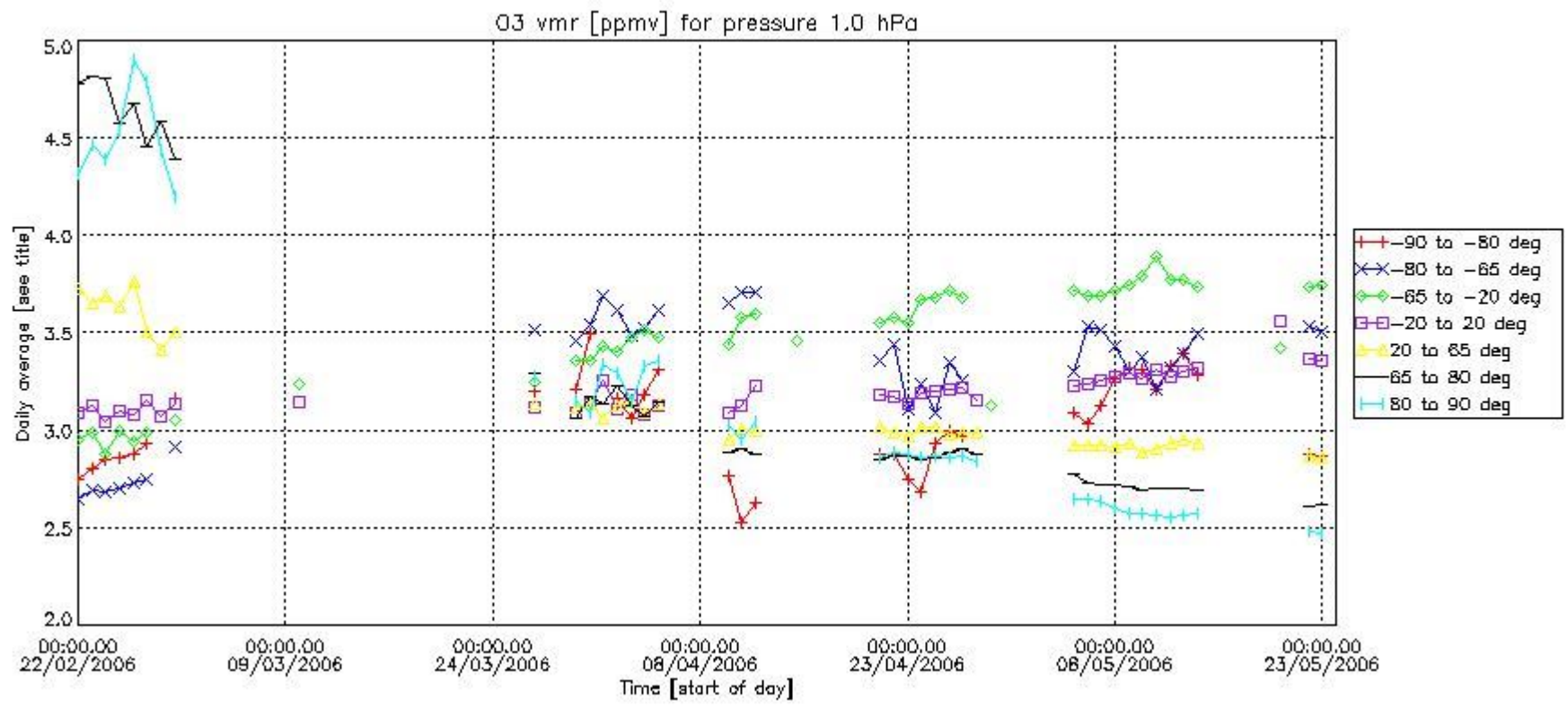


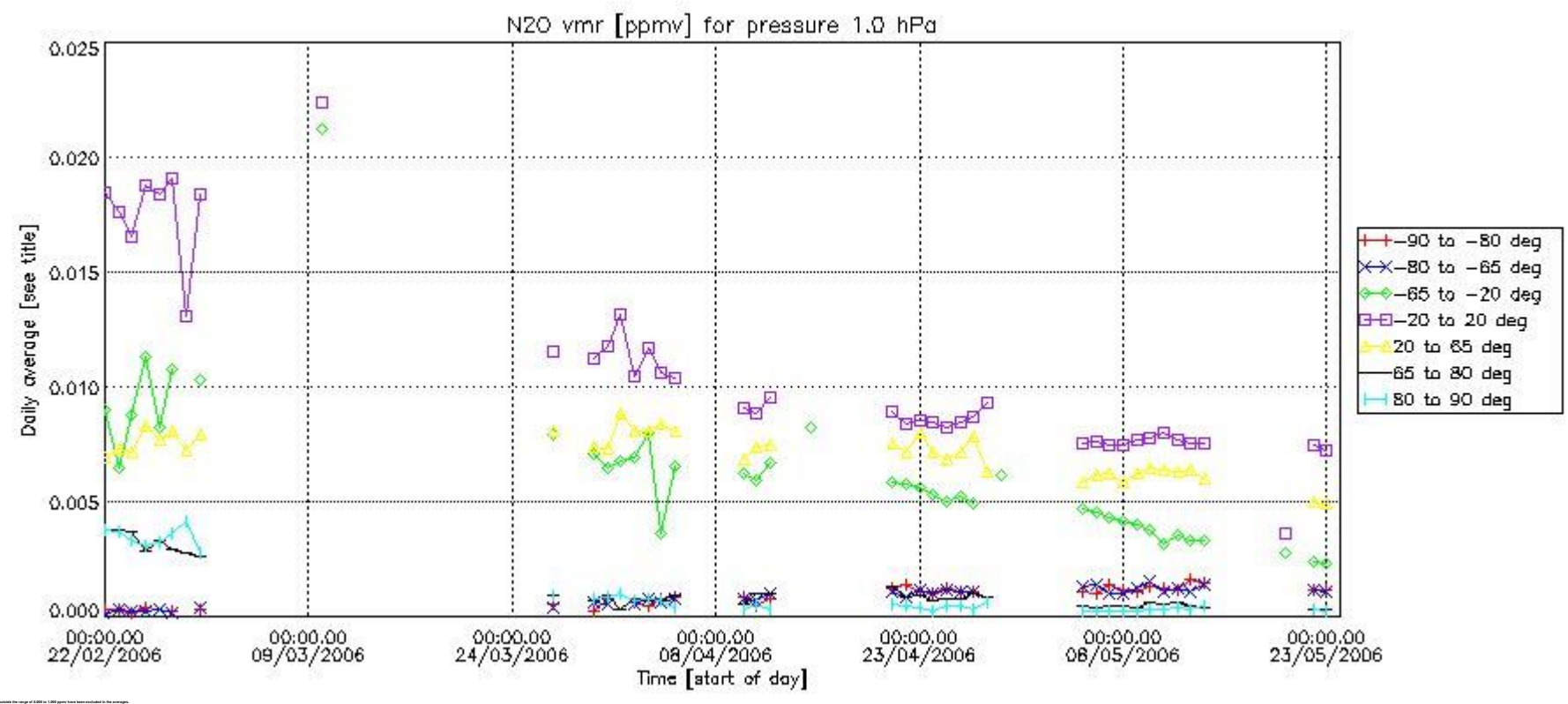
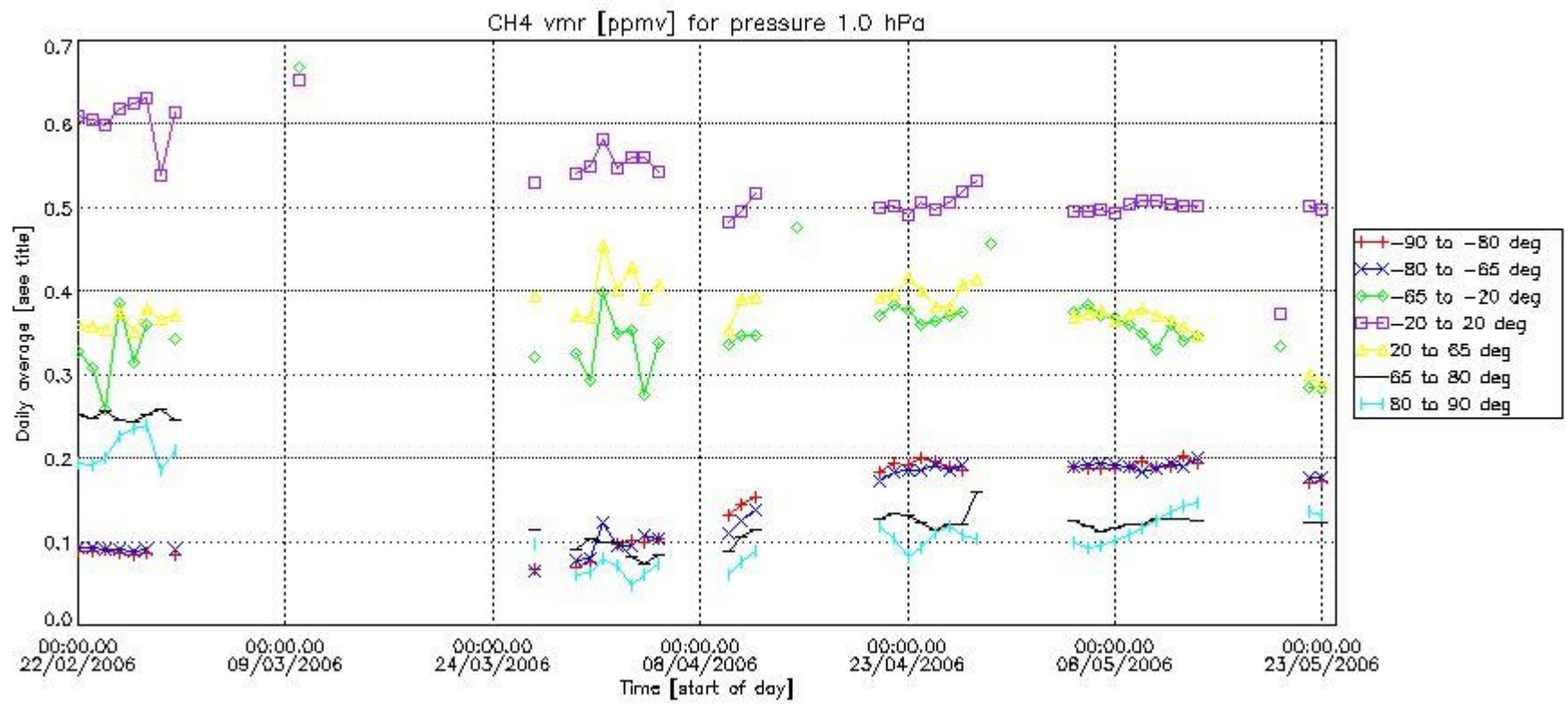


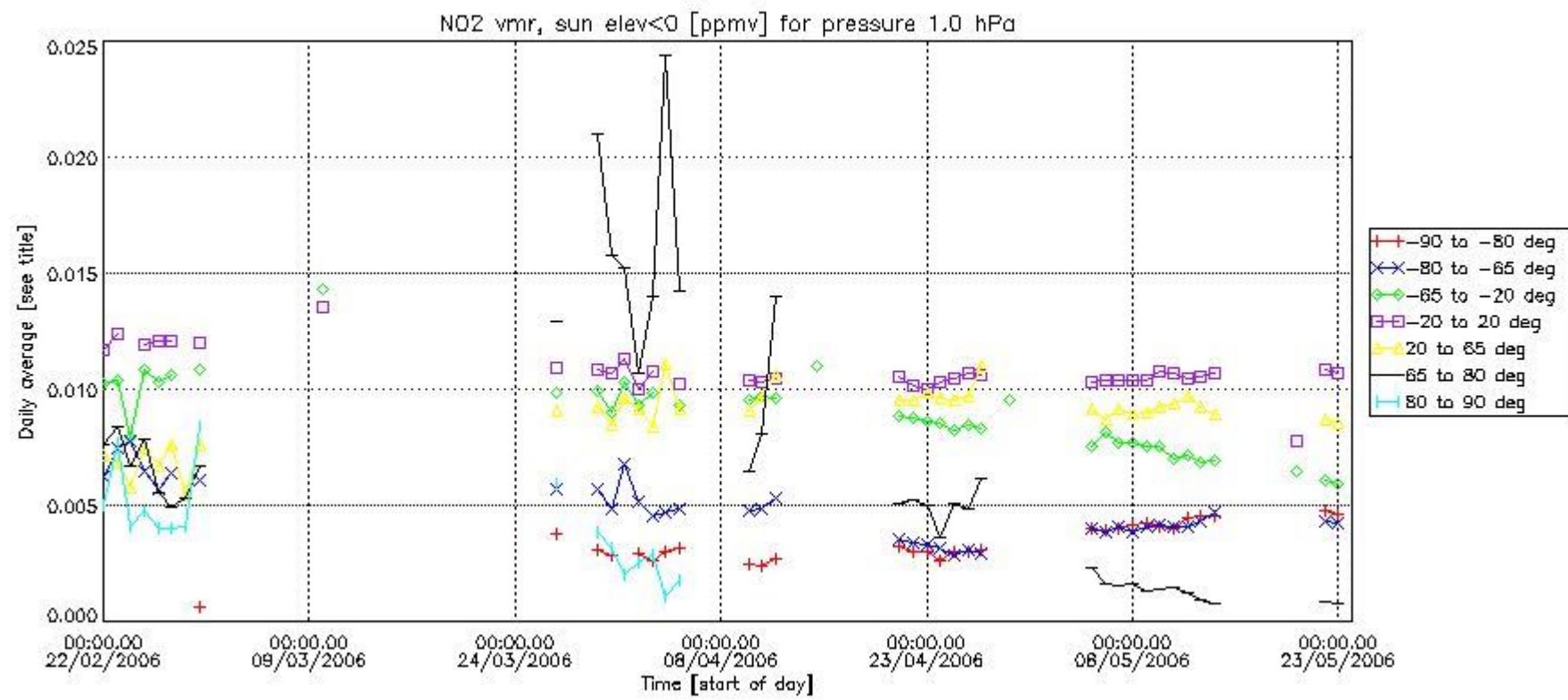
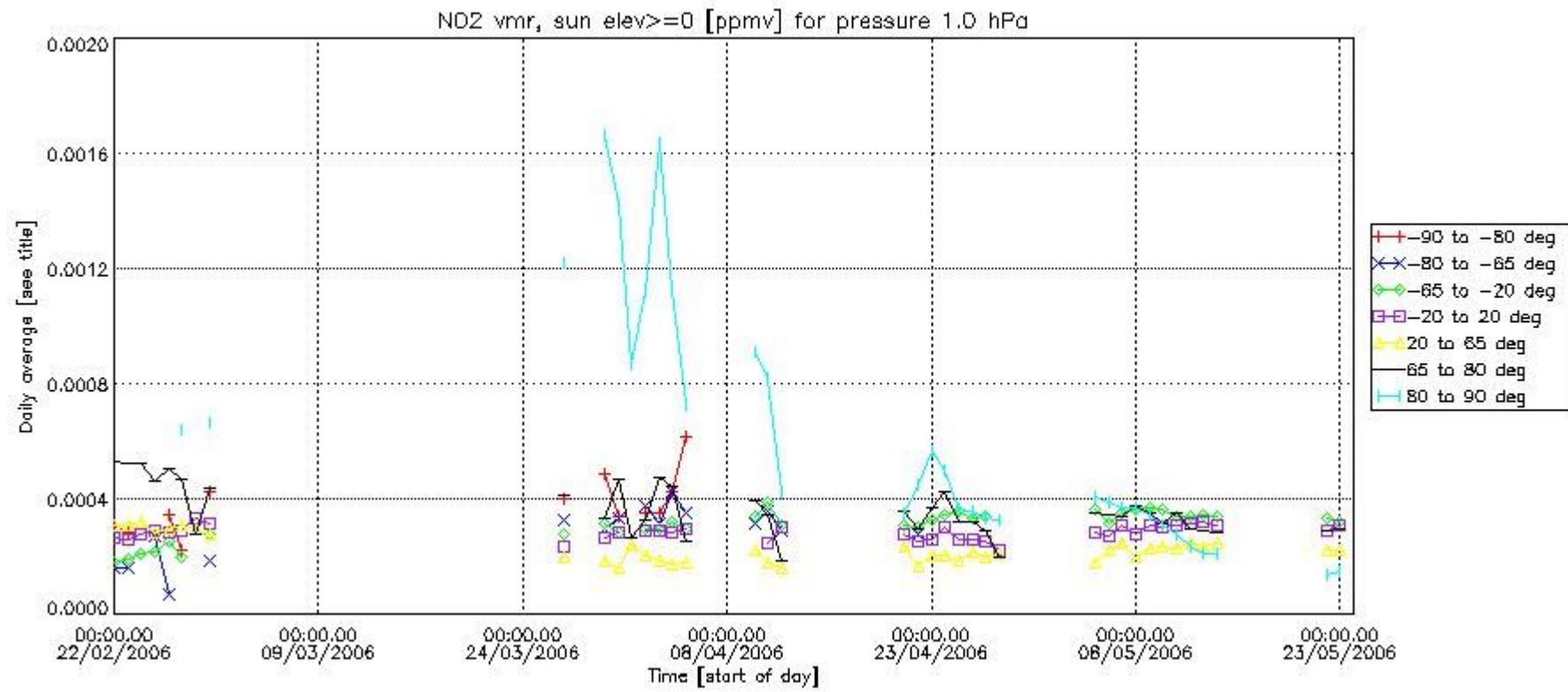




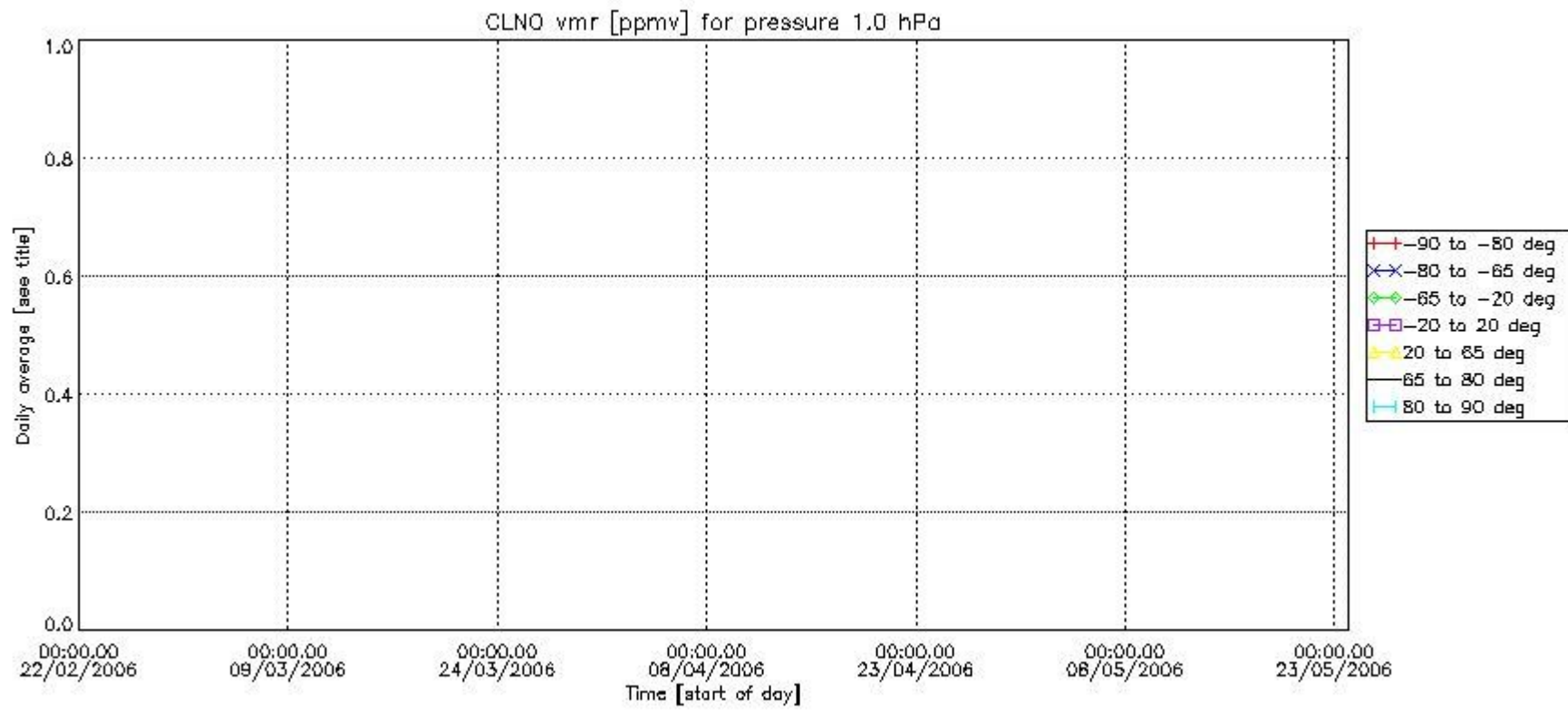
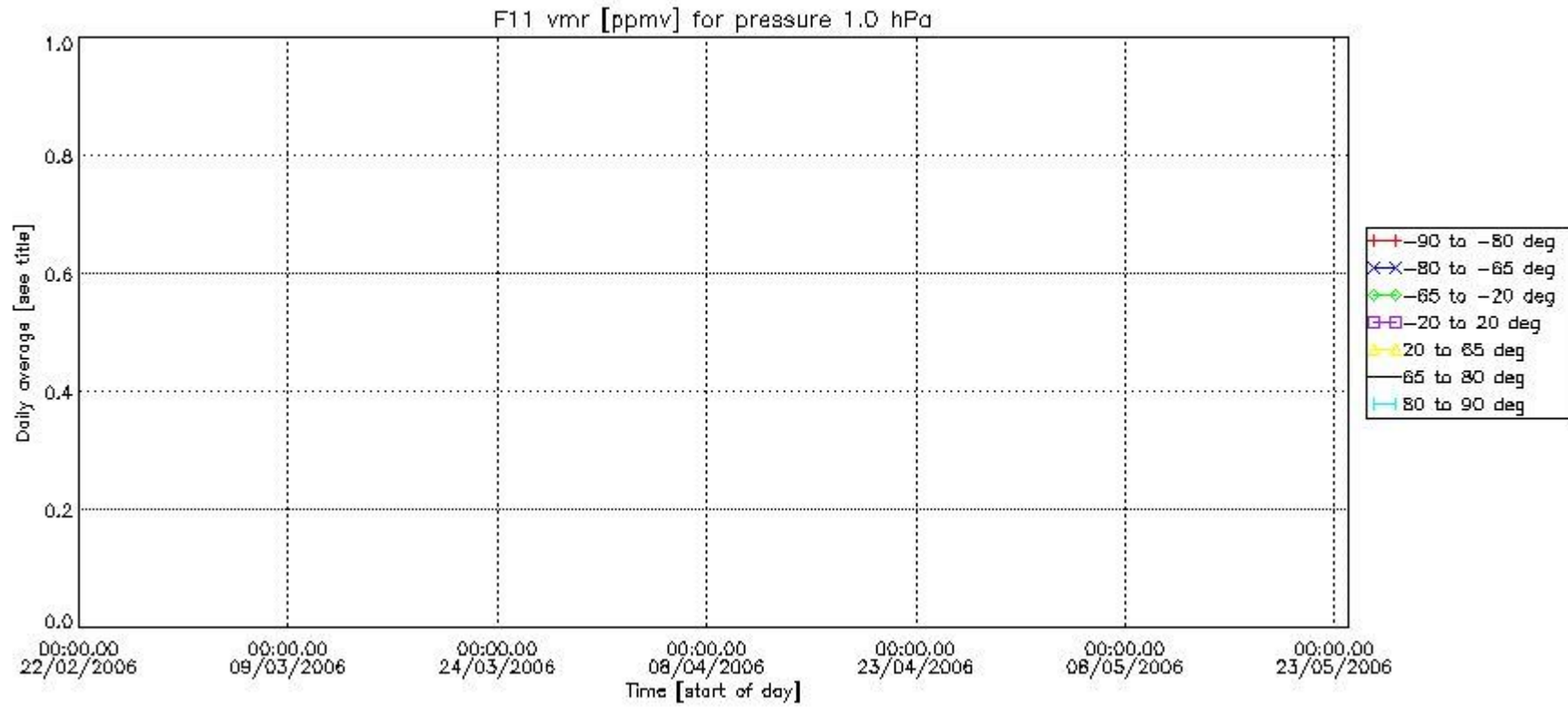


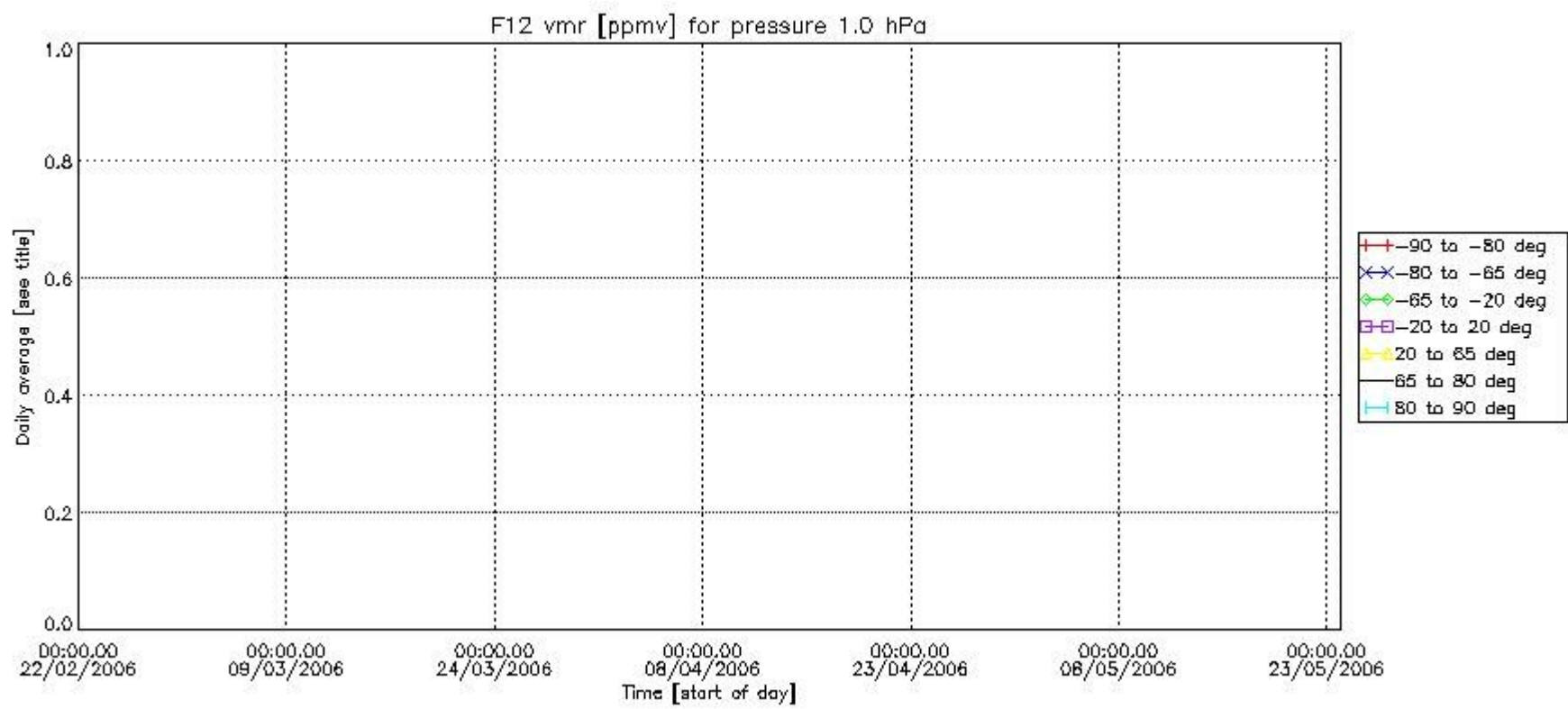
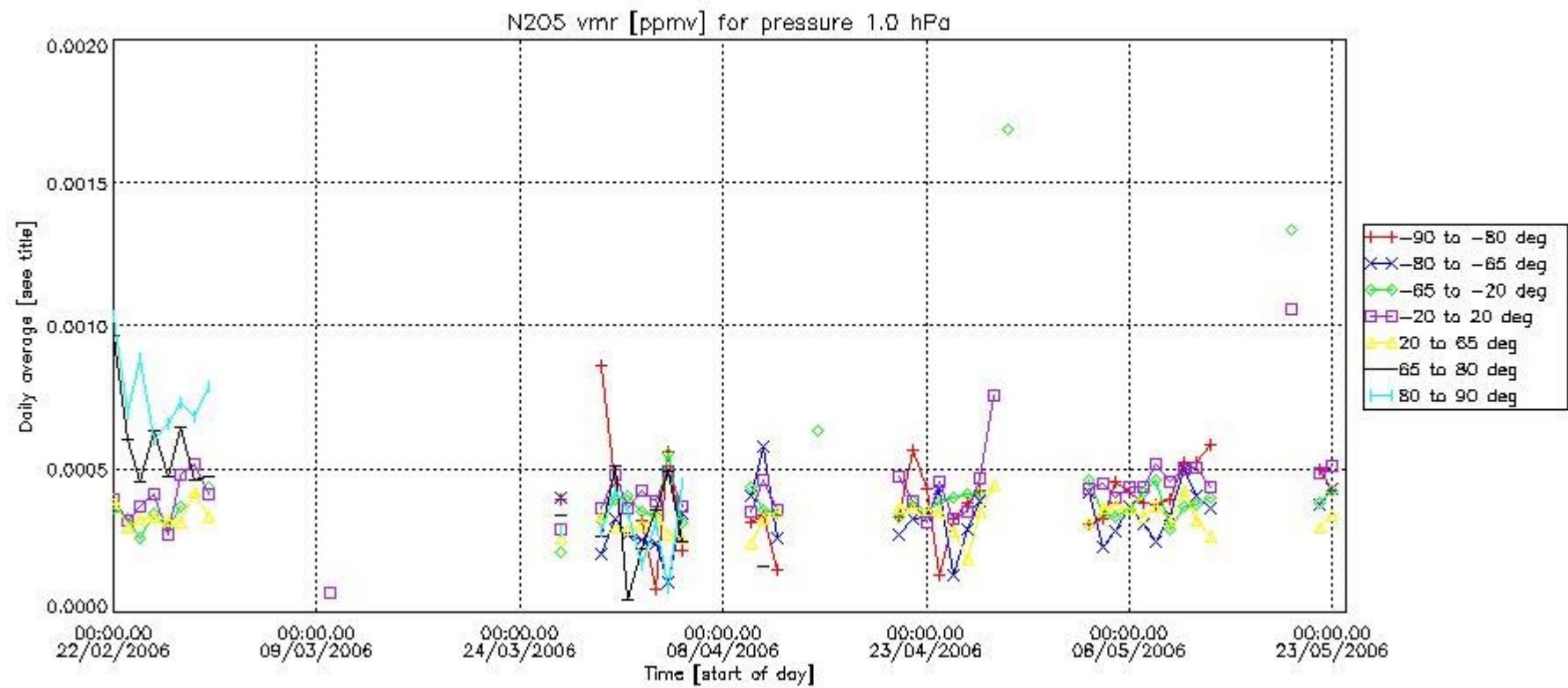


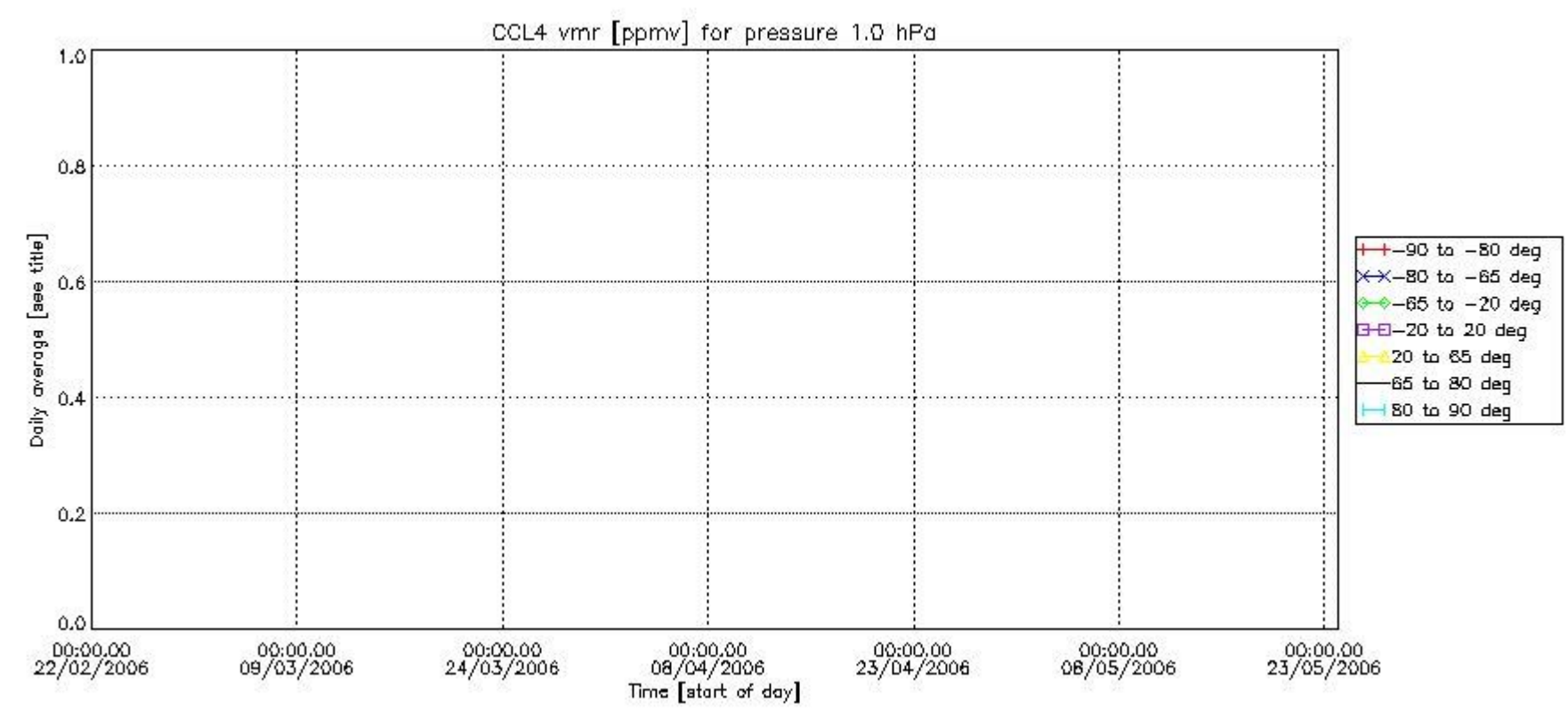
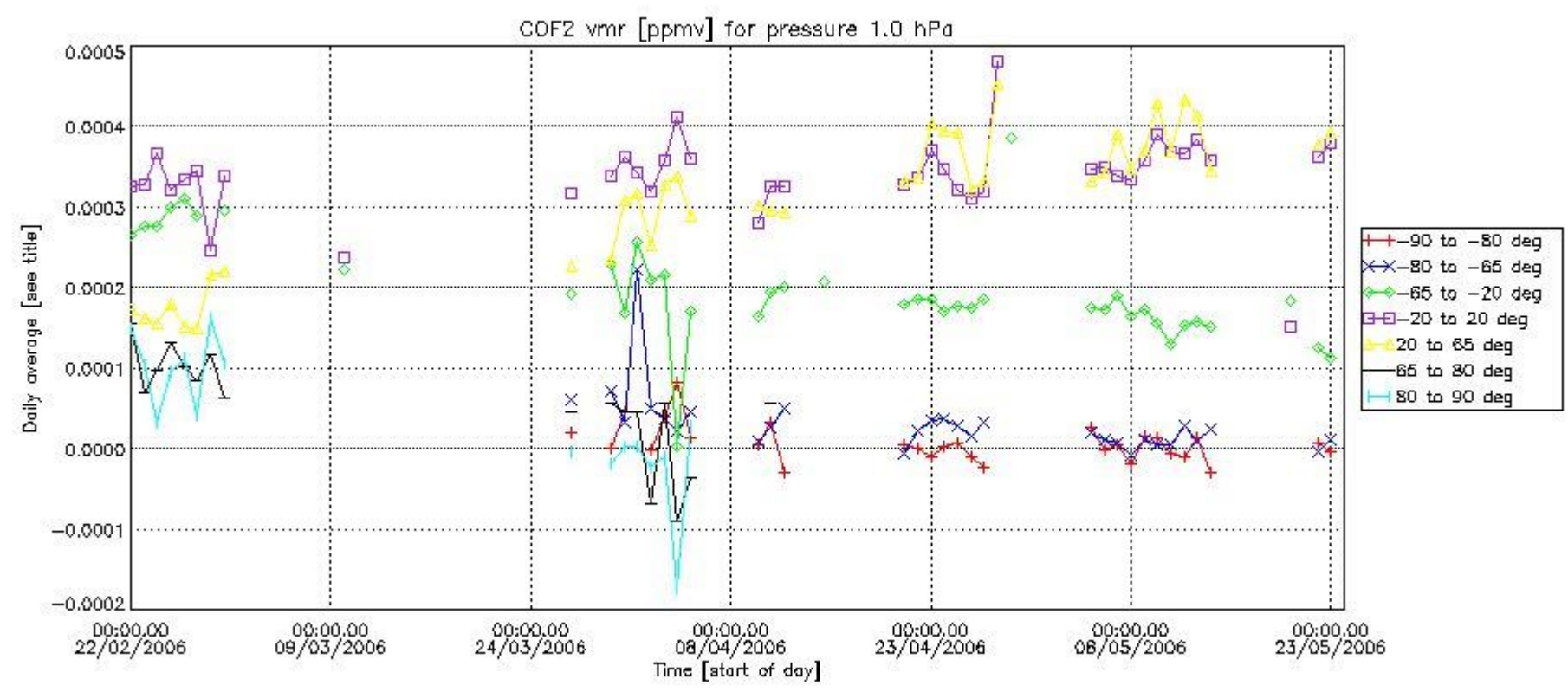




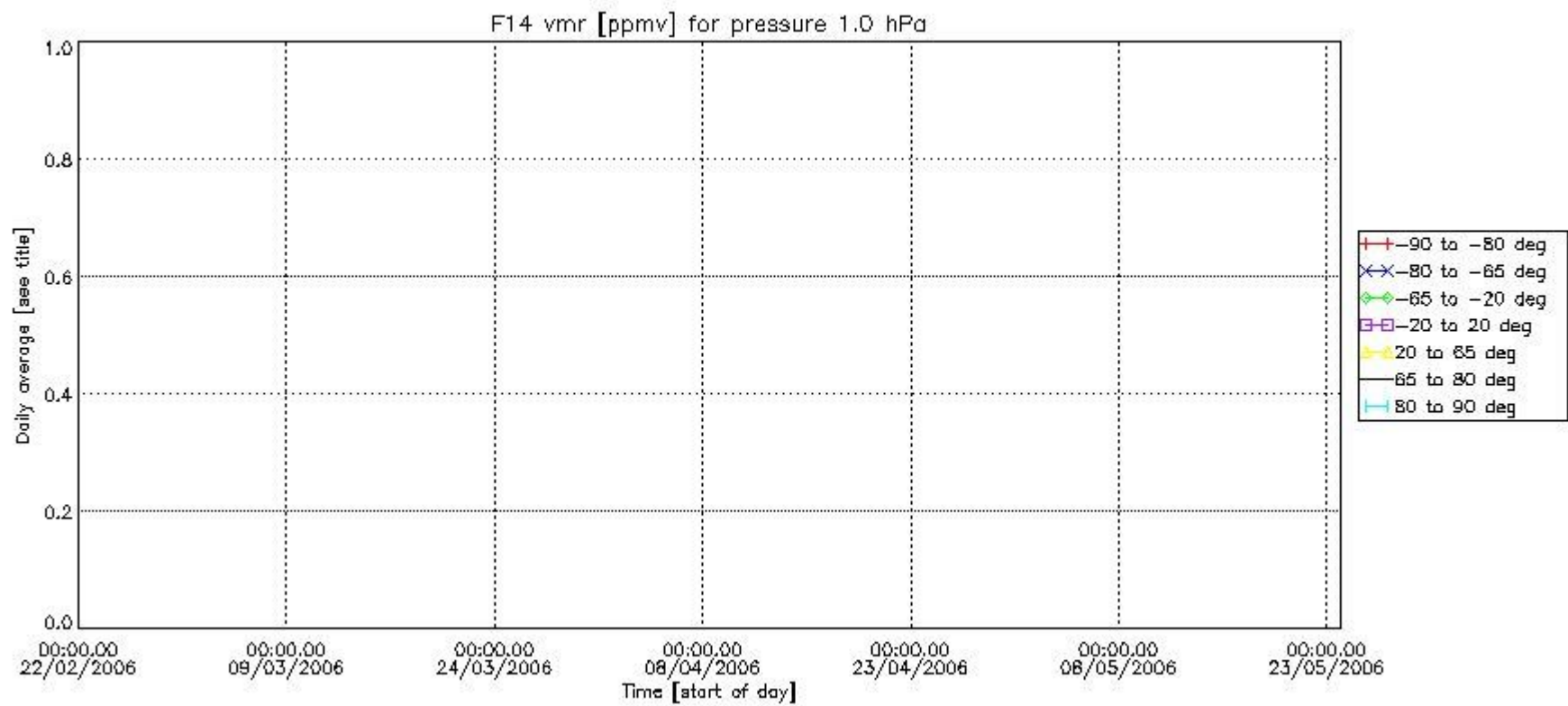
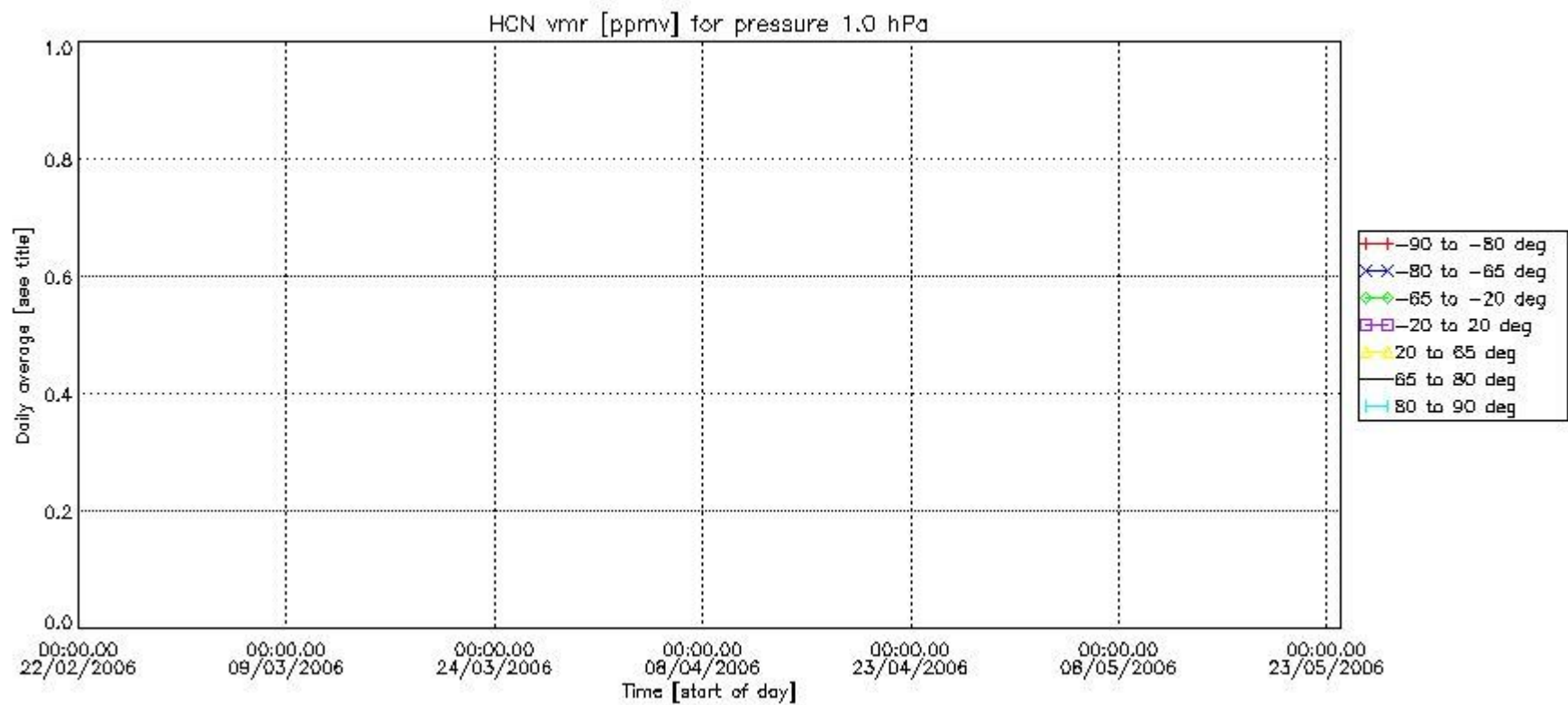


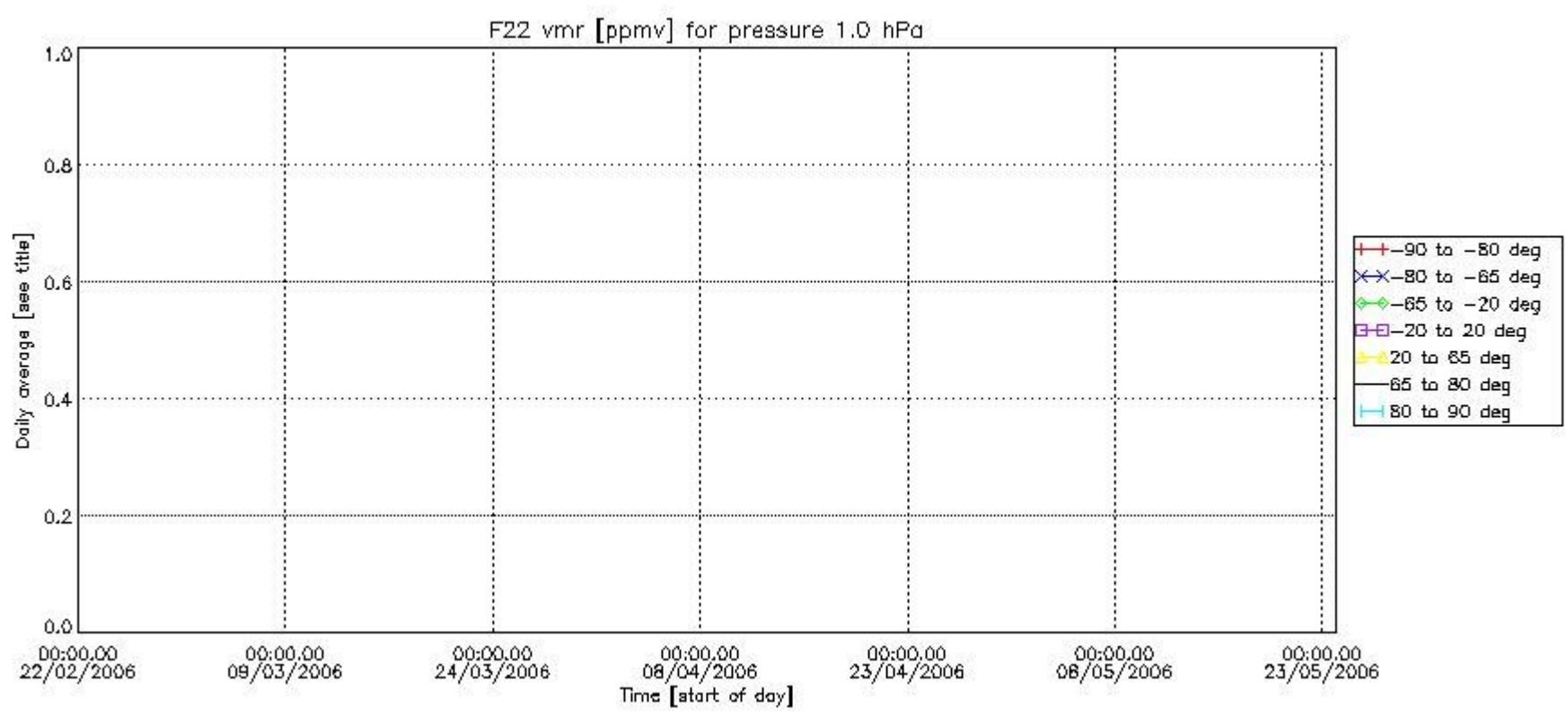












Number of successful retrievals vs. geolocation (\*=day side , triangle=night side).

