

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

(See [mipas\\_daily\\_report\\_level2\\_ML2PP\\_7\\_03\\_W\\_20051107.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                | 20APR2016 16:17:51                       |
| Data source version                      | ML2PP/7.03-W                             |
| Processing scope for products            | 07NOV2005 00:00:00 to 08NOV2005 00:00:00 |
| Start time of first product within scope | 06NOV2005 23:40:01                       |
| Stop time of last product within scope   | 08NOV2005 00:35:47                       |
| Total number of level 2 products         | 14                                       |
| 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.

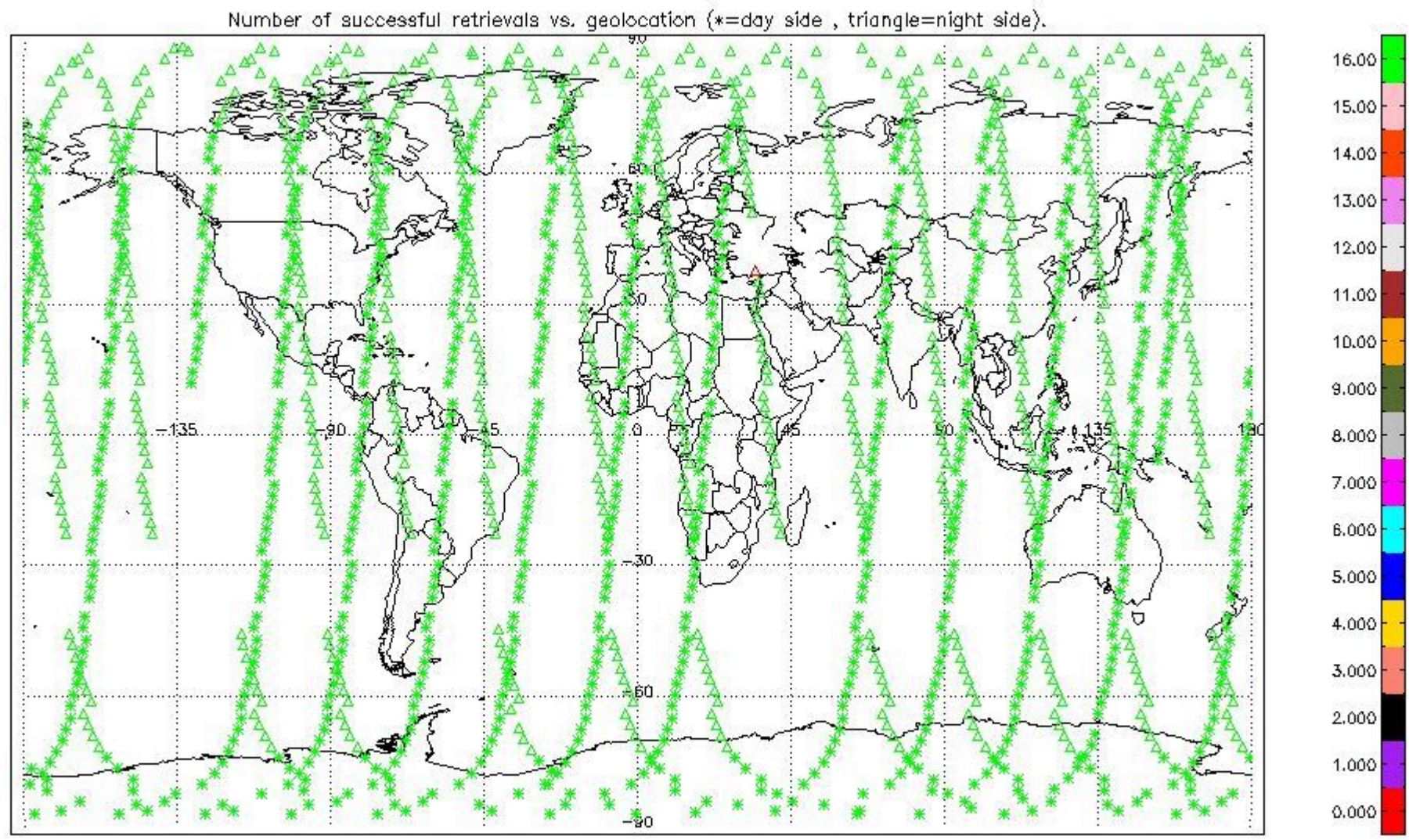
| #  | Product name   | Start time         | Stop time          | Prod err | Number of scans (tot/proc) | Quality summary warnings                                    |
|----|--|--------------------|--------------------|----------|----------------------------|---|
| 0  | MIP_NL__2PWDSI20051106_234001_000052602042_00188_19280_1000.N1 | 06NOV2005 23:40:01 | 07NOV2005 01:07:41 | 0        | 116/116                    | VMR_TERM_MACRO_MICRO[F14/macro:1; HCN/micro:1]              |
| 1  | MIP_NL__2PWDSI20051107_011302_000048352042_00189_19281_1000.N1 | 07NOV2005 01:13:02 | 07NOV2005 02:33:37 | 0        | 107/107                    | VMR_TERM_MACRO_MICRO[F14/macro:1; CH4/micro:1; HCN/micro:1] |
| 2  | MIP_NL__2PWDSI20051107_025338_000056982042_00190_19282_1000.N1 | 07NOV2005 02:53:38 | 07NOV2005 04:28:36 | 0        | 126/126                    | VMR_TERM_MACRO_MICRO[HCN/macro:1; HCN/micro:1]              |
| 3  | MIP_NL__2PWDSI20051107_043414_000056992042_00191_19283_1000.N1 | 07NOV2005 04:34:14 | 07NOV2005 06:09:12 | 0        | 126/126                    |   |
| 4  | MIP_NL__2PWDSI20051107_075525_000056992042_00193_19285_1000.N1 | 07NOV2005 07:55:25 | 07NOV2005 09:30:24 | 0        | 126/126                    | VMR_TERM_MACRO_MICRO[HCN/macro:1; HCN/micro:1]              |
| 5  | MIP_NL__2PWDSI20051107_093601_000056992042_00194_19286_1000.N1 | 07NOV2005 09:36:01 | 07NOV2005 11:11:00 | 0        | 126/126                    |   |
| 6  | MIP_NL__2PWDSI20051107_111637_000056992042_00195_19287_1000.N1 | 07NOV2005 11:16:37 | 07NOV2005 12:51:36 | 0        | 126/126                    | VMR_TERM_MACRO_MICRO[HCN/macro:1; F14/macro:3; HCN/micro:1] |
| 7  | MIP_NL__2PWDSI20051107_125713_000056992042_00196_19288_1000.N1 | 07NOV2005 12:57:13 | 07NOV2005 14:32:12 | 0        | 126/126                    | VMR_TERM_MACRO_MICRO[HCN/macro:1; F14/macro:2]              |
| 8  | MIP_NL__2PWDSI20051107_143749_000056992042_00197_19289_1000.N1 | 07NOV2005 14:37:49 | 07NOV2005 16:12:48 | 0        | 126/126                    | VMR_TERM_MACRO_MICRO[F14/macro:2; F14/micro:1]              |
| 9  | MIP_NL__2PWDSI20051107_161825_000056992042_00198_19290_1000.N1 | 07NOV2005 16:18:25 | 07NOV2005 17:53:24 | 0        | 126/126                    | VMR_TERM_MACRO_MICRO[HCN/macro:1; F14/macro:2]              |
| 10 | MIP_NL__2PWDSI20051107_175901_000032412042_00199_19291_1000.N1 | 07NOV2005 17:59:01 | 07NOV2005 18:53:02 | 0        | 72/72                      |   |
| 11 | MIP_NL__2PWDSI20051107_193937_000056992042_00200_19292_1000.N1 | 07NOV2005 19:39:37 | 07NOV2005 21:14:36 | 0        | 122/122                    | VMR_TERM_MACRO_MICRO[HCN/macro:1; HCN/micro:1]              |
| 12 | MIP_NL__2PWDSI20051107_212013_000056992042_00201_19293_1000.N1 | 07NOV2005 21:20:13 | 07NOV2005 22:55:12 | 0        | 126/126                    | VMR_TERM_MACRO_MICRO[F14/macro:2; HCN/micro:1; F14/micro:1] |
| 13 | MIP_NL__2PWDSI20051107_230049_000056992042_00202_19294_1000.N1 | 07NOV2005 23:00:49 | 08NOV2005 00:35:47 | 0        | 126/126                    | VMR_TERM_MACRO_MICRO[F14/macro:3; HCN/micro:1]              |

## 2.2 Processing performance indicators

### 2.2.1 Successful retrievals

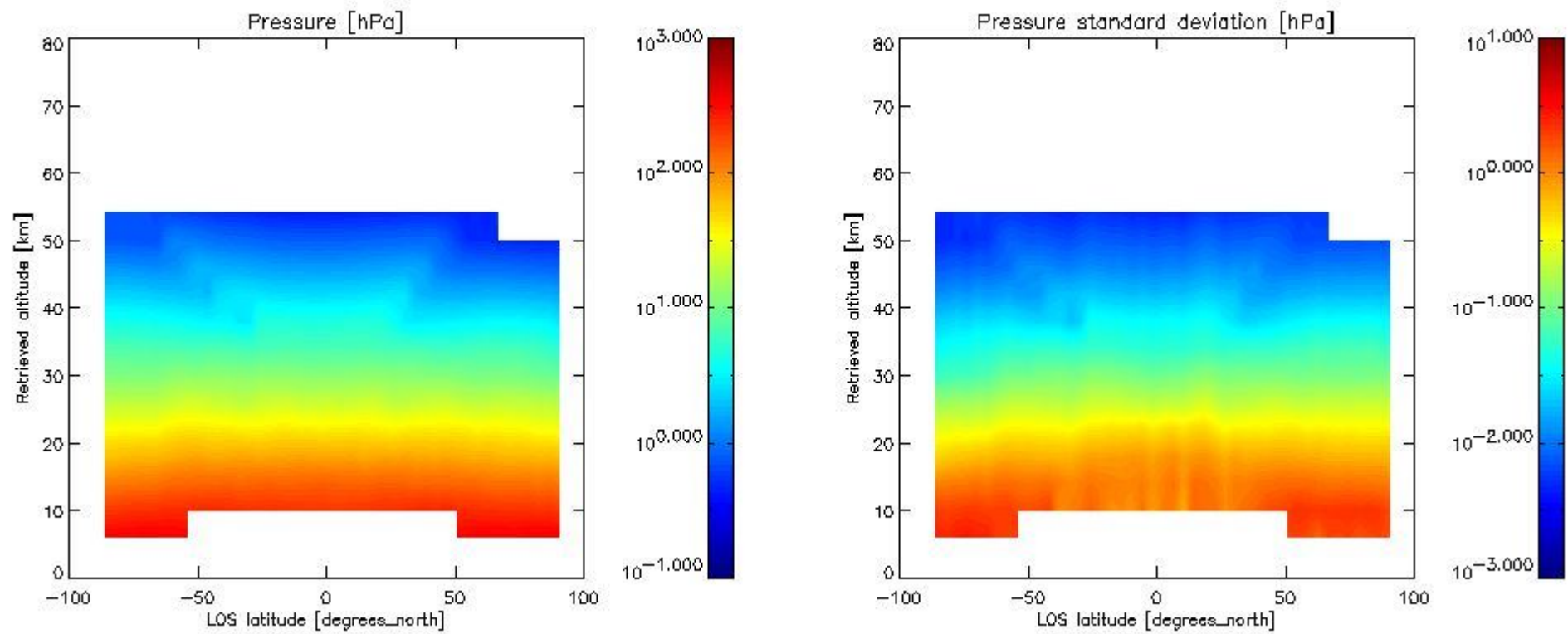
This section includes a table with statistics on the number of retrievals, as well as a worldmap plot that shows successful retrievals.

| RETRIEVAL MDS | # scans processed | # Successful retrievals | %      |
|---------------|-------------------|-------------------------|--------|
| PT            | 1677              | 1601                    | 95.468 |
| H2O           | 1677              | 1601                    | 95.468 |
| O3            | 1677              | 1601                    | 95.468 |
| HNO3          | 1677              | 1601                    | 95.468 |
| CH4           | 1677              | 1601                    | 95.468 |
| N2O           | 1677              | 1601                    | 95.468 |
| NO2           | 1677              | 1601                    | 95.468 |
| F11           | 1677              | 1601                    | 95.468 |
| CLNO          | 1677              | 1601                    | 95.468 |
| N2O5          | 1677              | 1601                    | 95.468 |
| F12           | 1677              | 1601                    | 95.468 |
| COF2          | 1677              | 1601                    | 95.468 |
| CCL4          | 1677              | 1601                    | 95.468 |
| HCN           | 1677              | 1601                    | 95.468 |
| F14           | 1677              | 1601                    | 95.468 |
| F22           | 1677              | 1601                    | 95.468 |



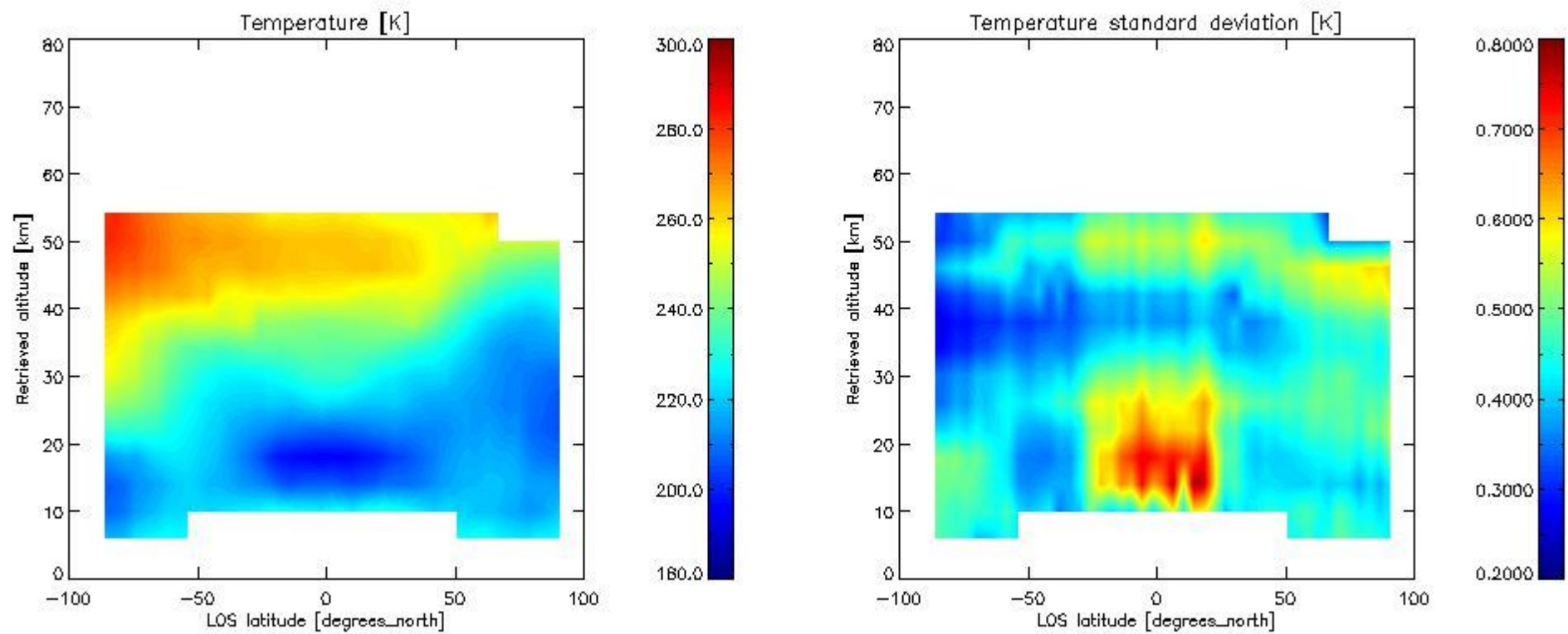
## 2.2.2 Pressure overview

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



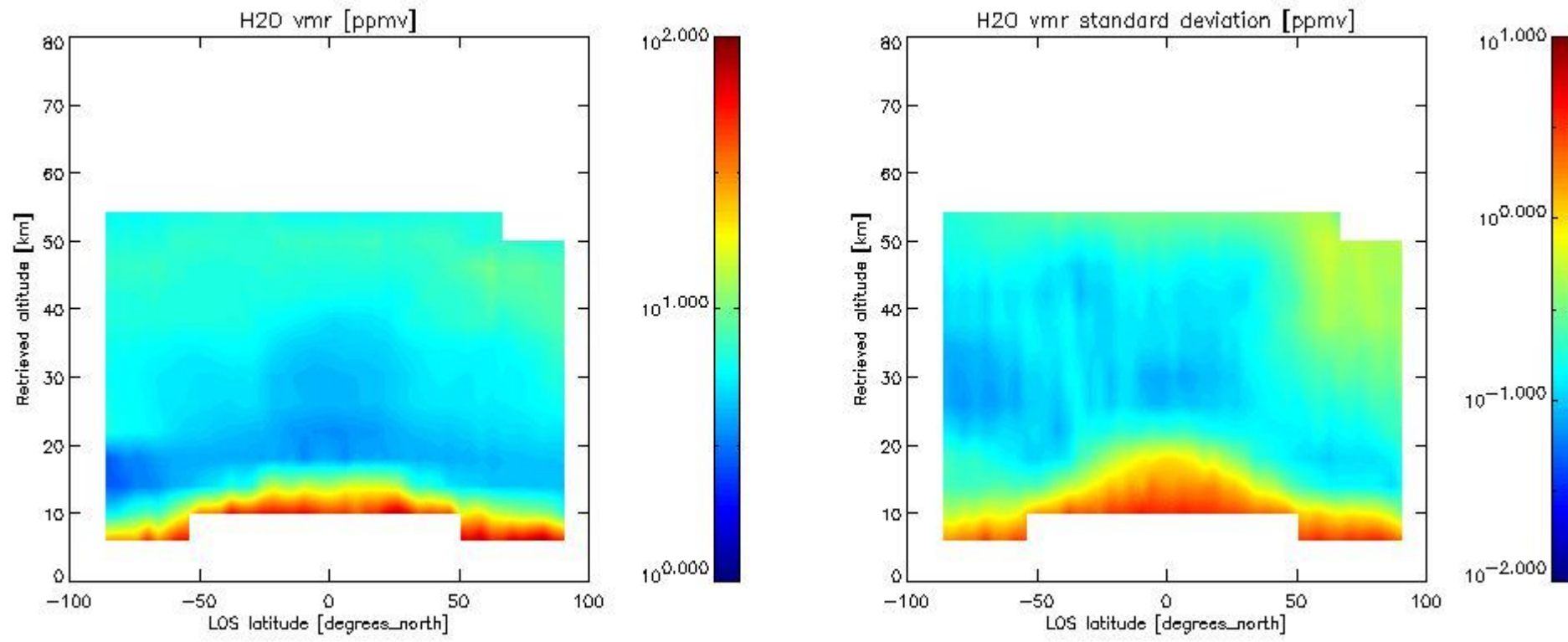
### 2.2.3 Temperature overview

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

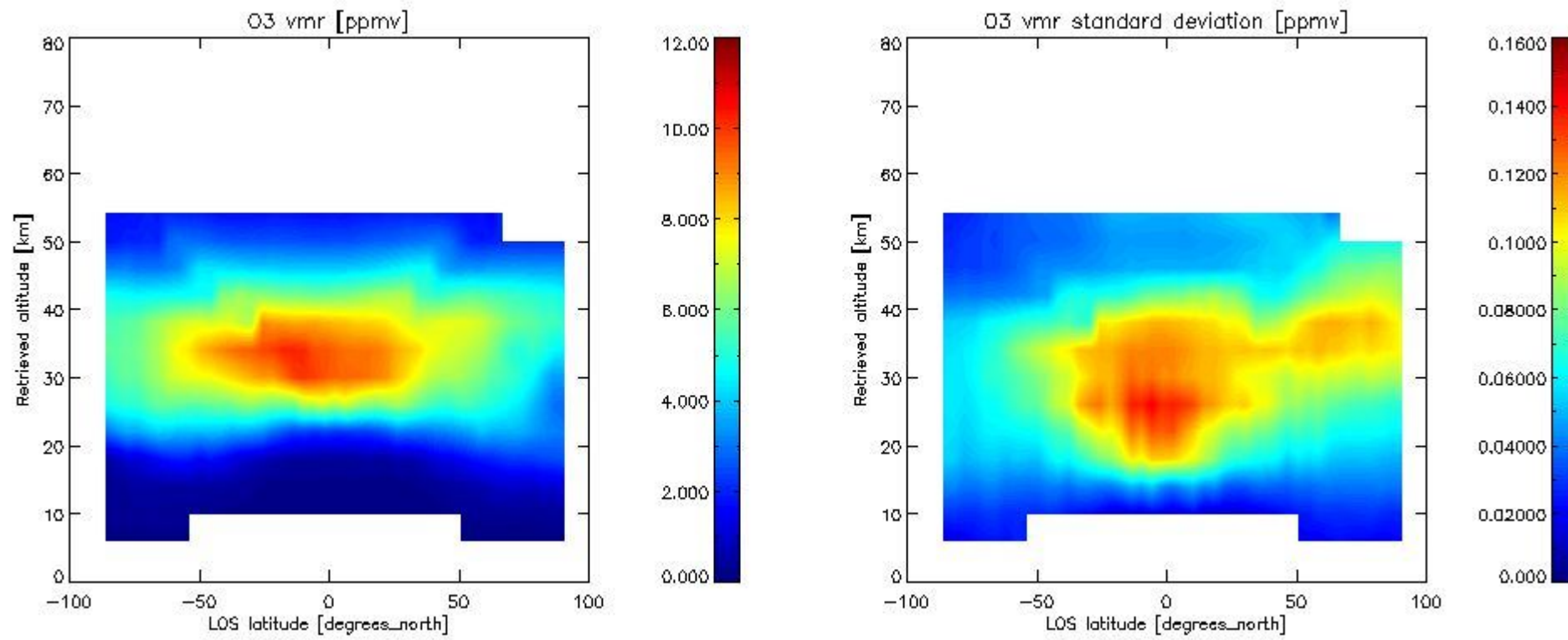


### 2.2.4 Species overview

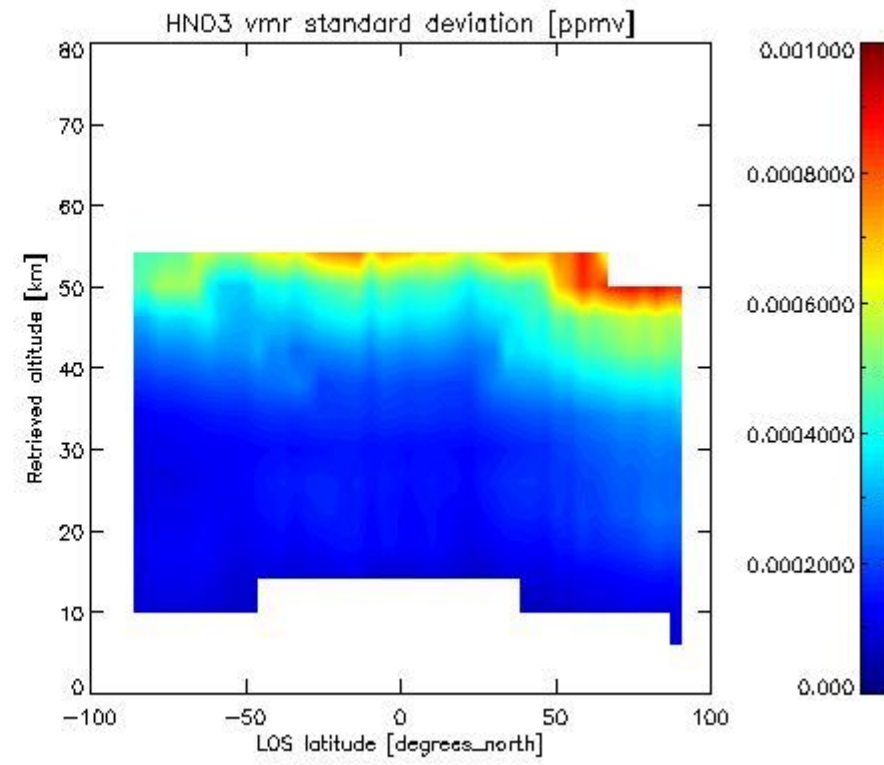
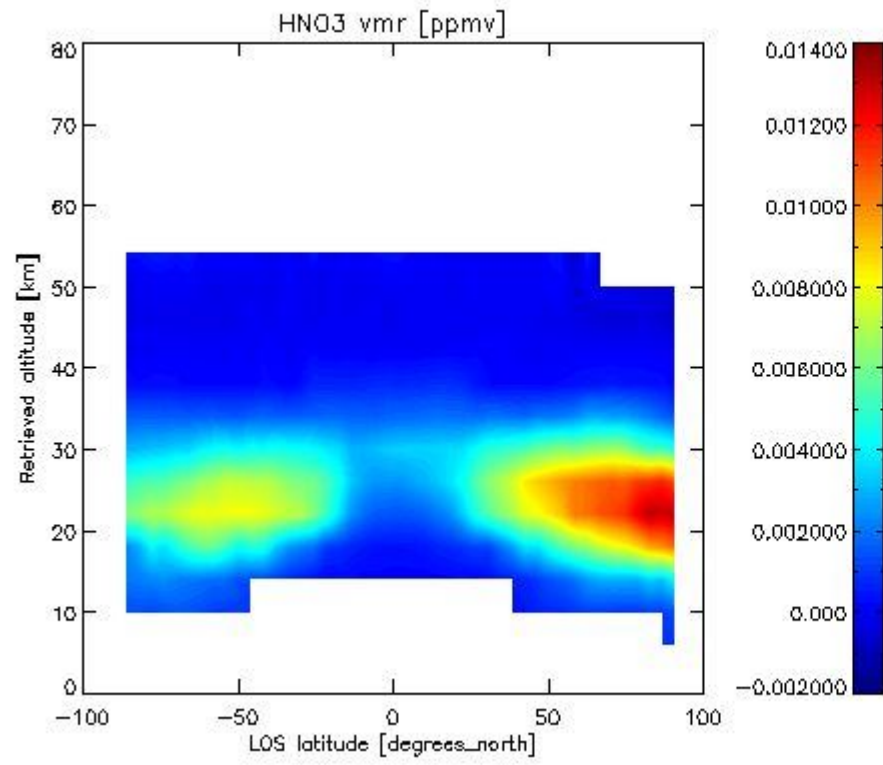
**2.2.4.1 H<sub>2</sub>O overview** This section shows values (left) and error (right) for H<sub>2</sub>O after binning individual sweep values over retrieved altitude and tangent latitude.



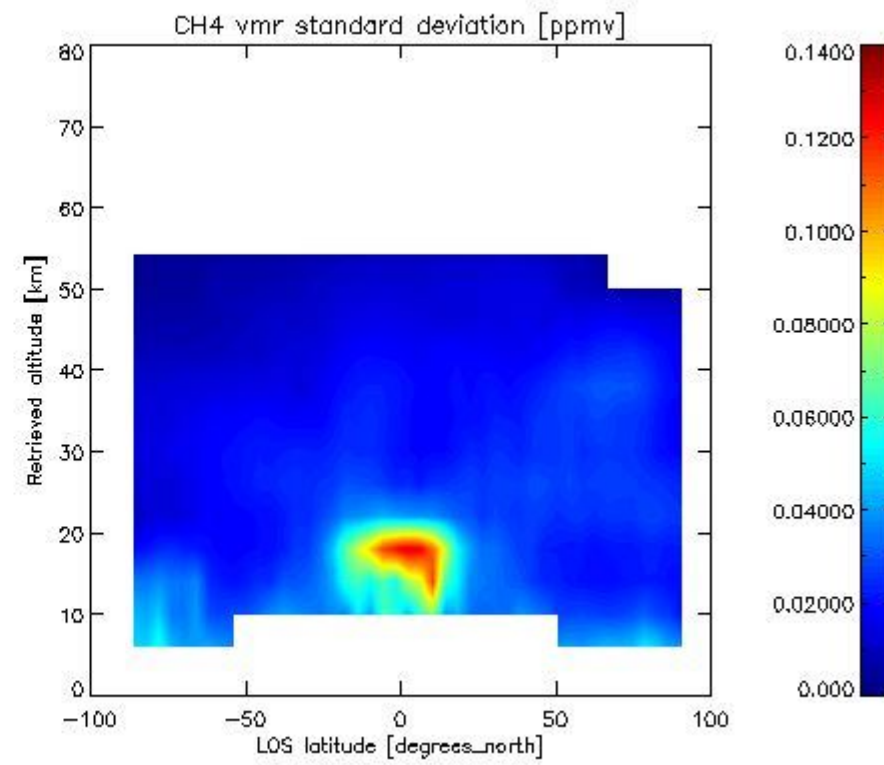
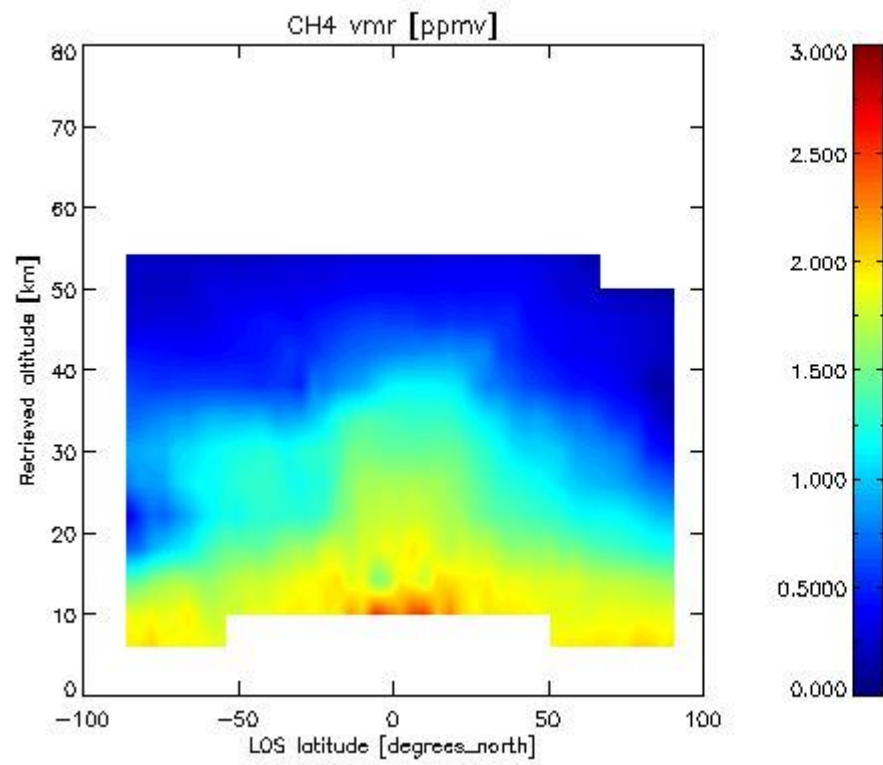
2.2.4.2 O3 overview This section shows values (left) and error (right) for O3 after binning individual sweep values over retrieved altitude and tangent latitude.



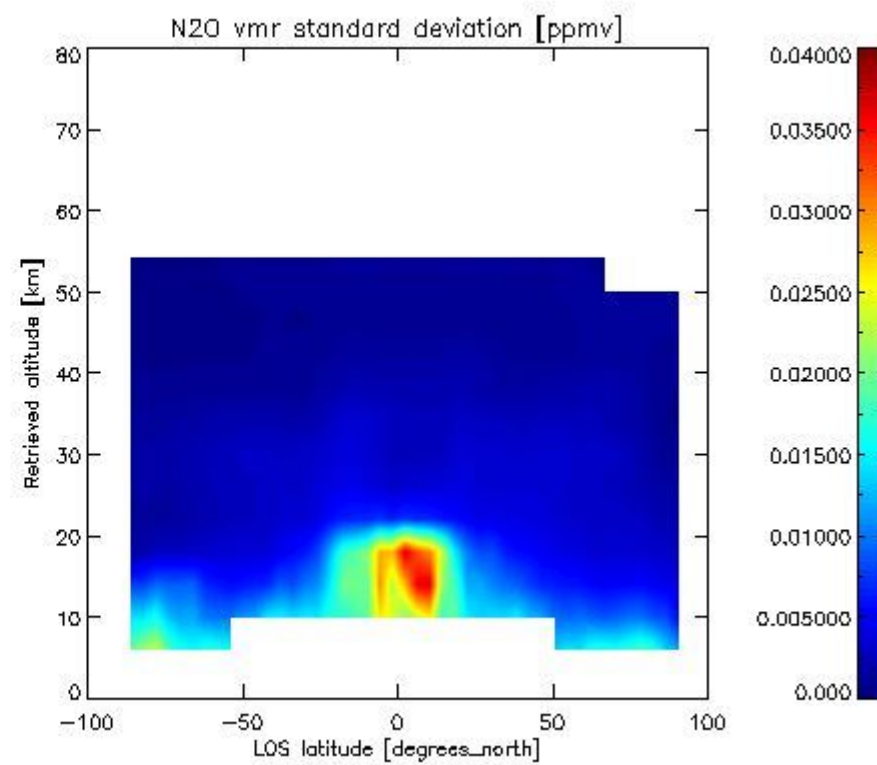
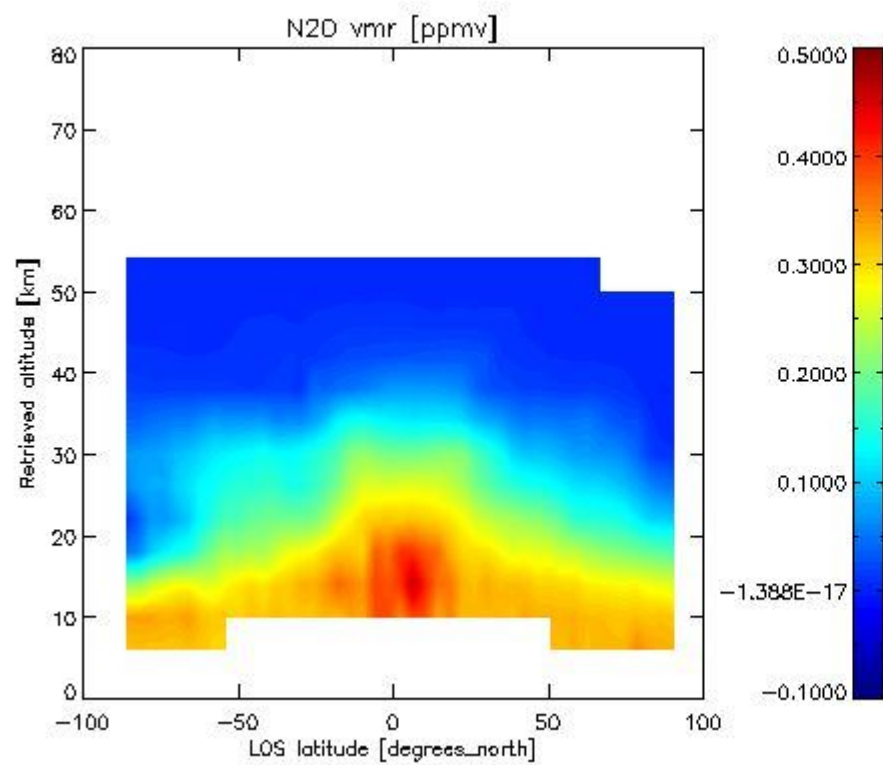
2.2.4.3 HNO3 overview This section shows values (left) and error (right) for HNO3 after binning individual sweep values over retrieved altitude and tangent latitude.



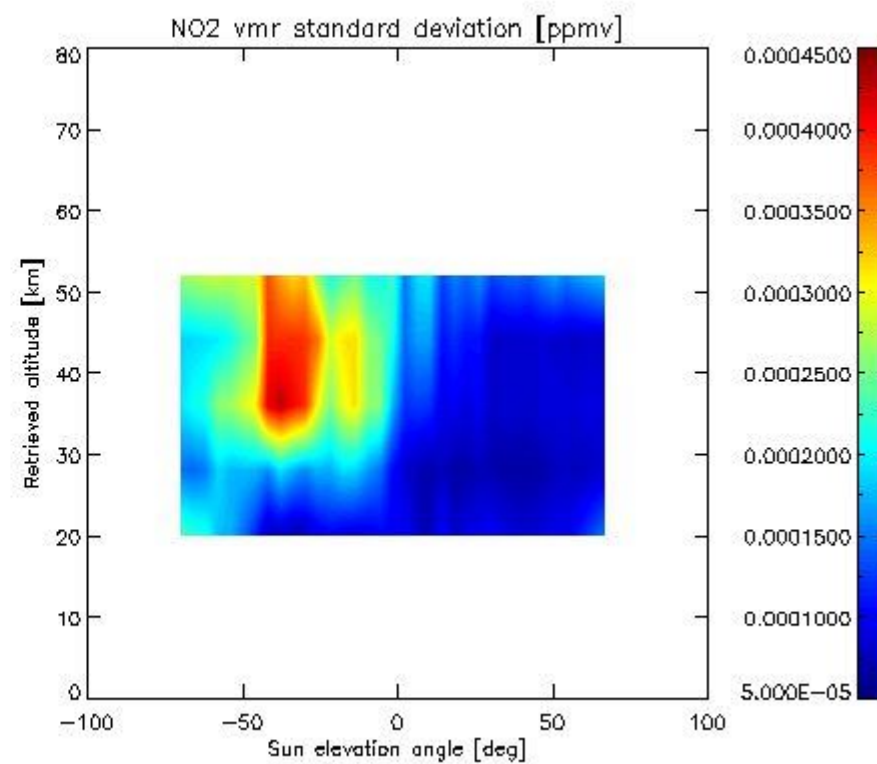
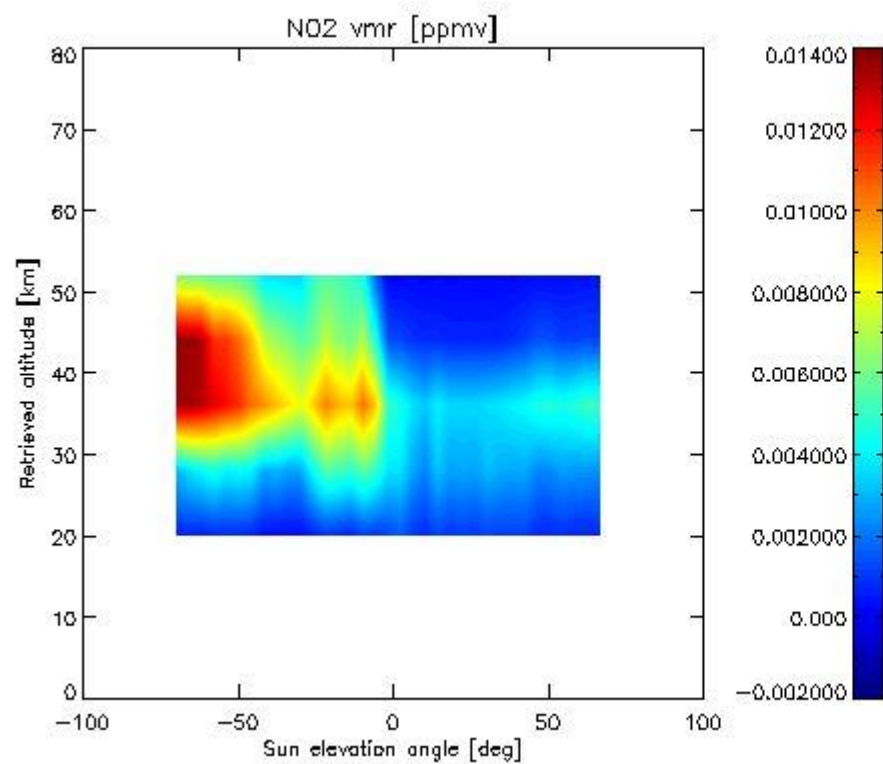
2.2.4.4 CH4 overview This section shows values (left) and error (right) for CH4 after binning individual sweep values over retrieved altitude and tangent latitude.



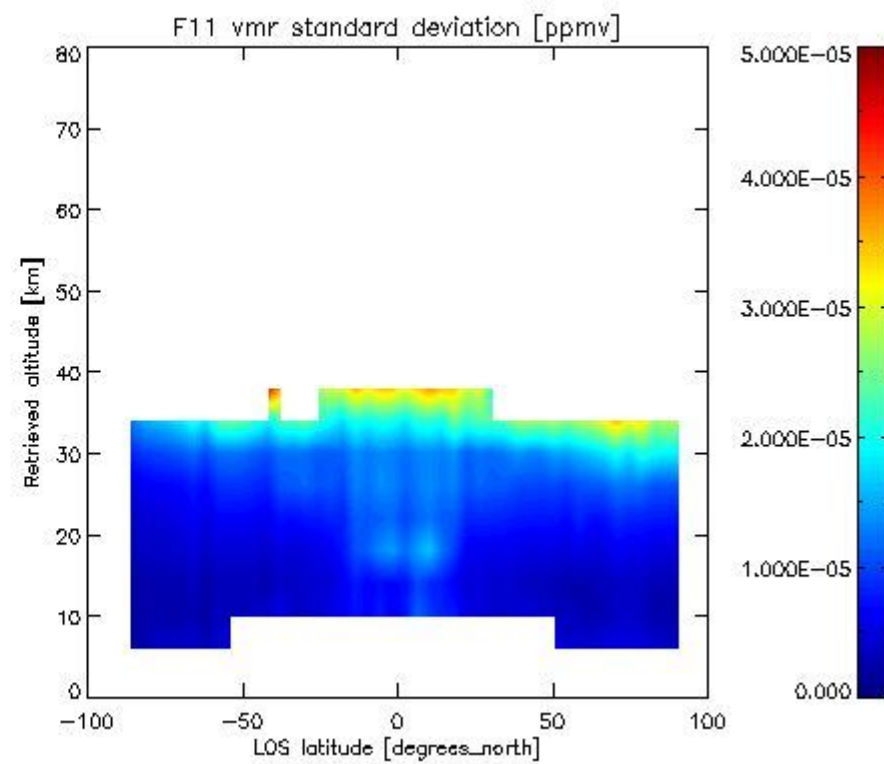
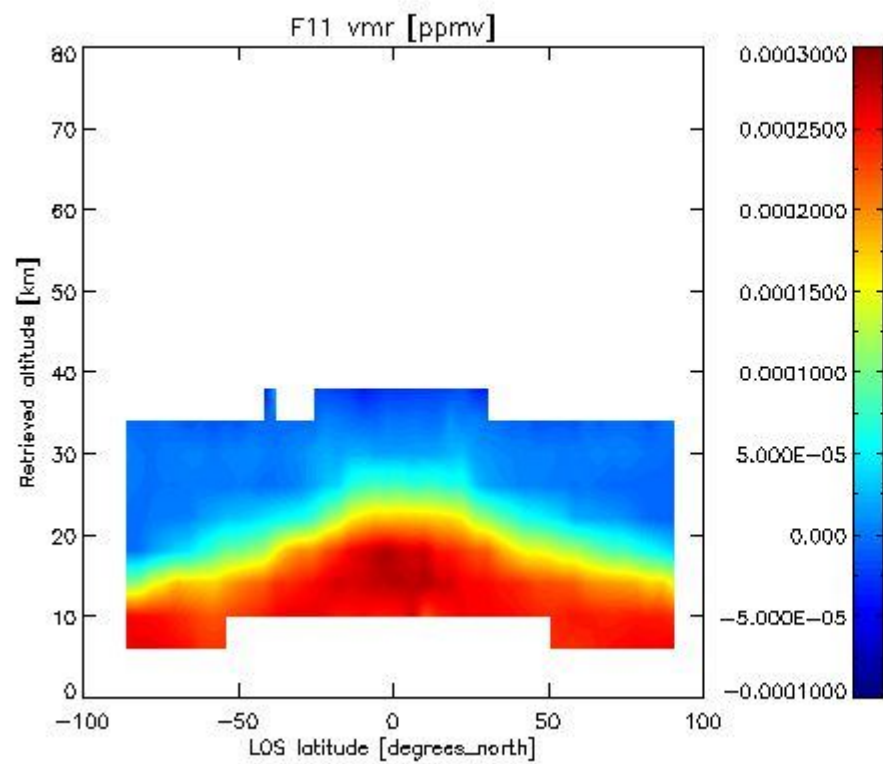
2.2.4.5 N2O overview This section shows values (left) and error (right) for N2O after binning individual sweep values over retrieved altitude and tangent latitude.



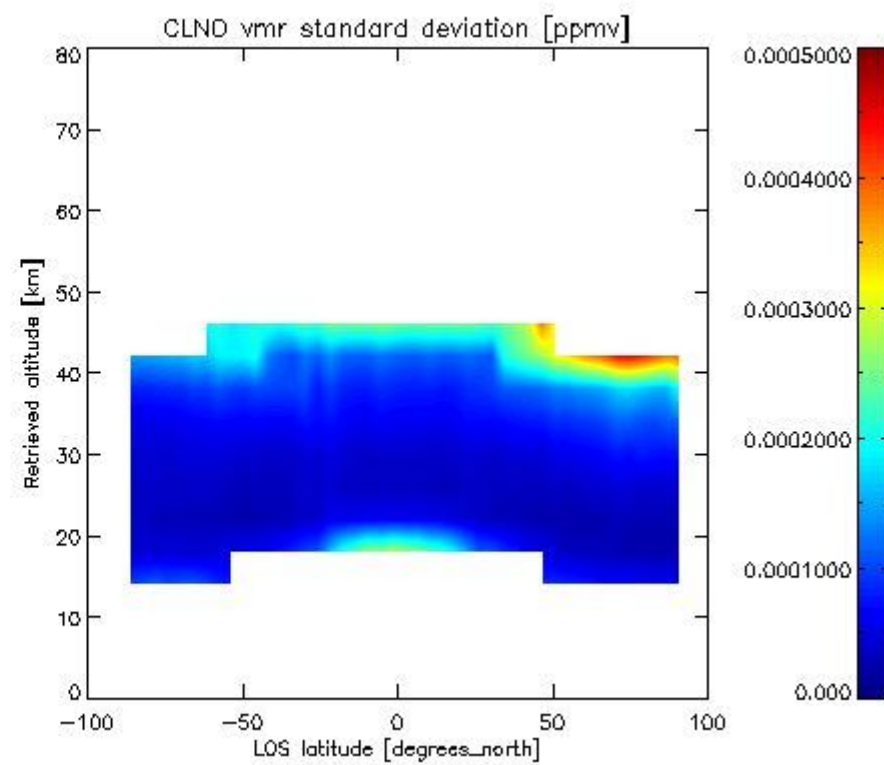
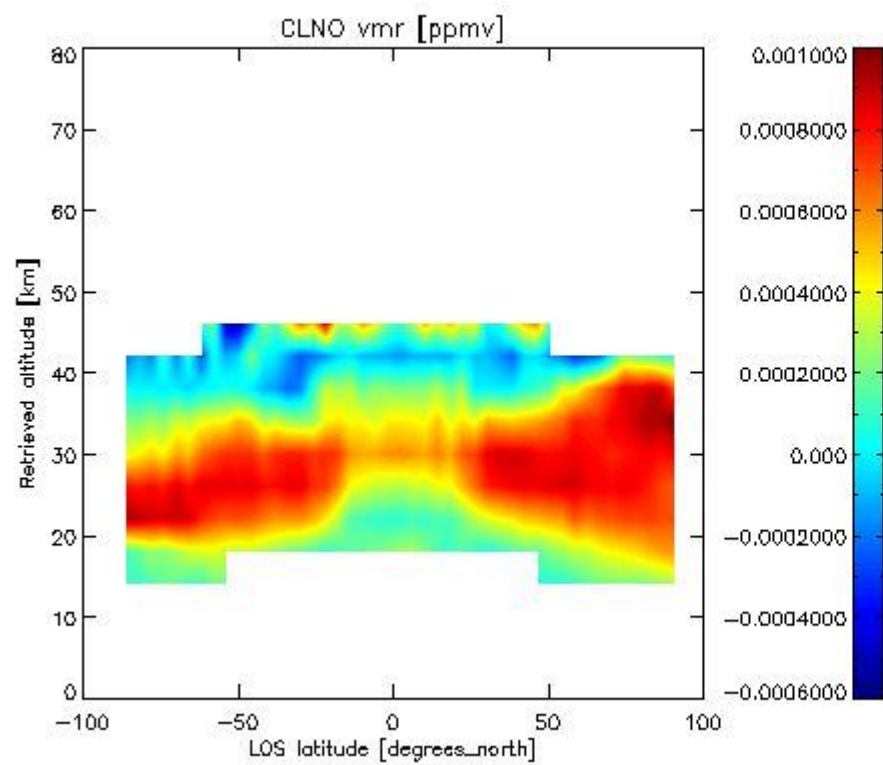
2.2.4.6 NO<sub>2</sub> overview This section shows values (left) and error (right) for NO<sub>2</sub> after binning individual sweep values over retrieved altitude and Sun Elevation Angle. Note that for NO<sub>2</sub> the bin heights are 6 km.



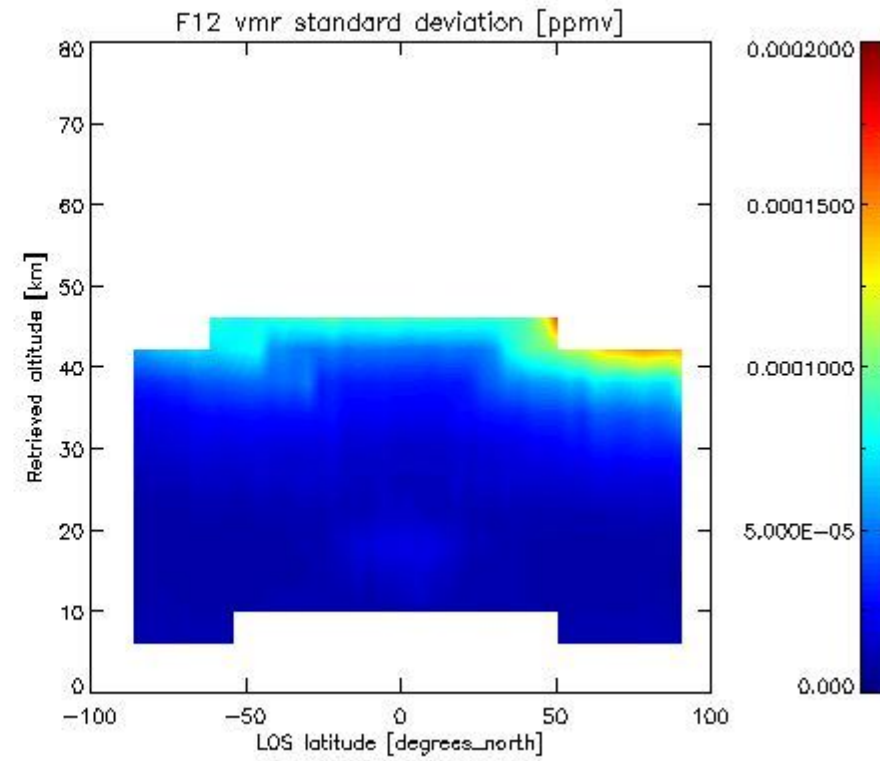
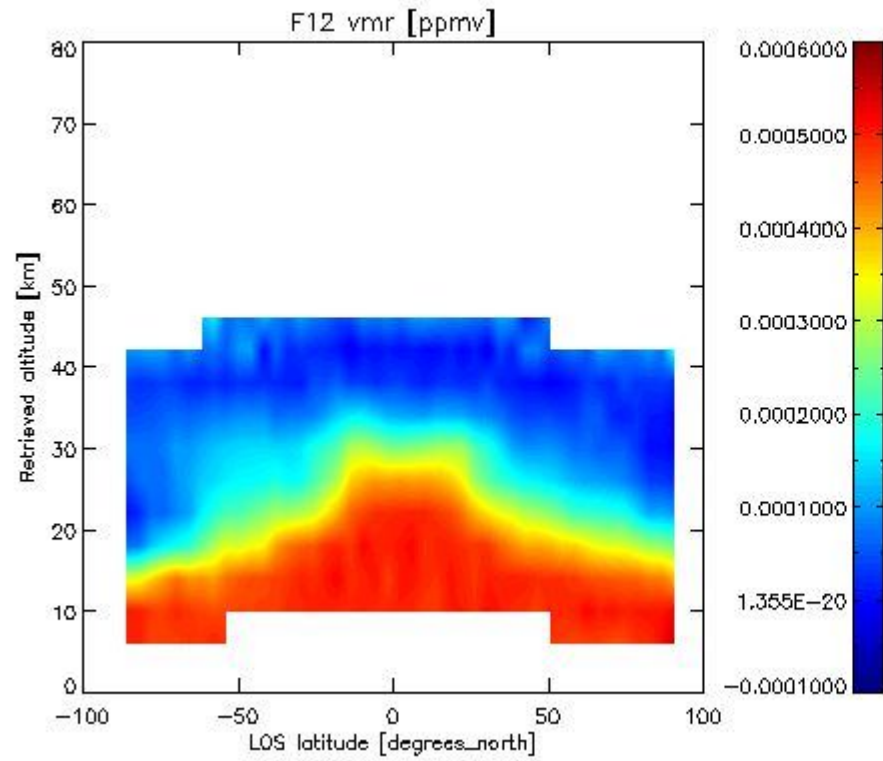
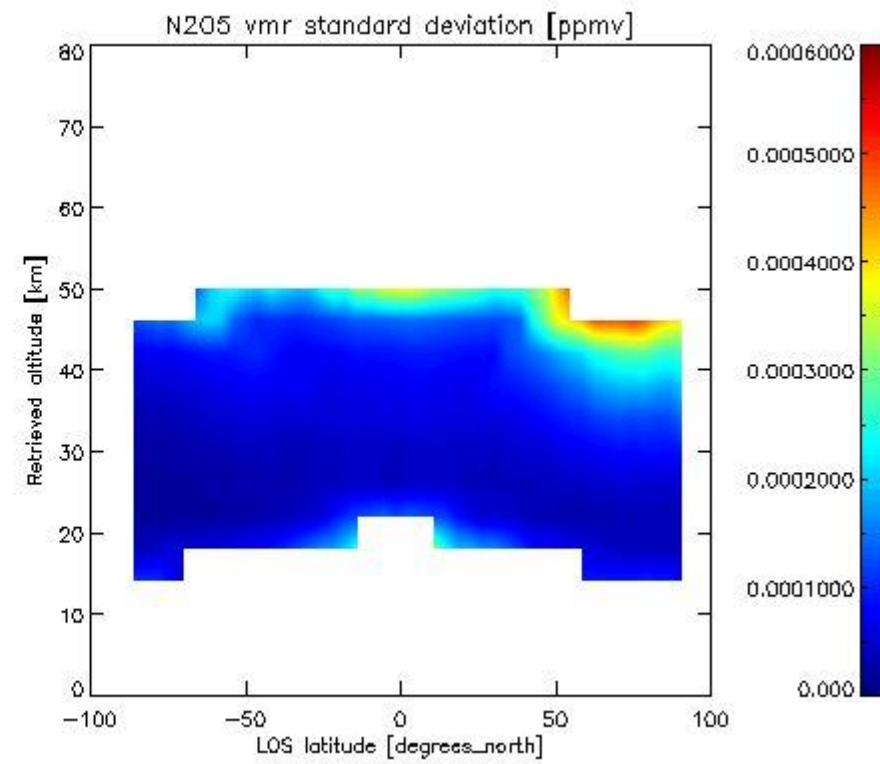
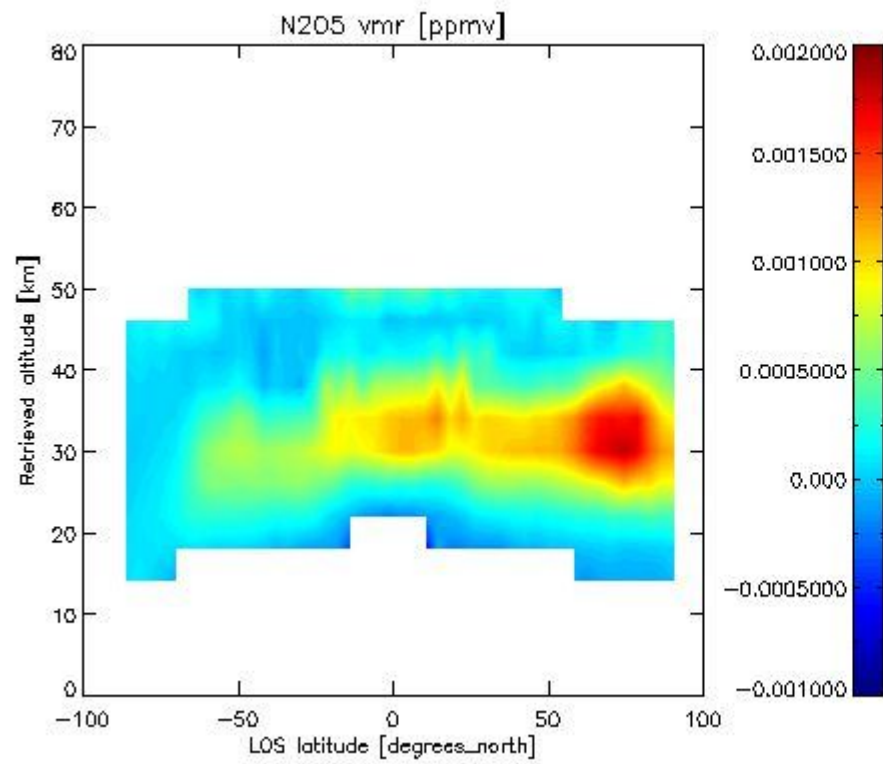
2.2.4.7 F11 overview This section shows values (left) and error (right) for F11 after binning individual sweep values over retrieved altitude and tangent latitude.



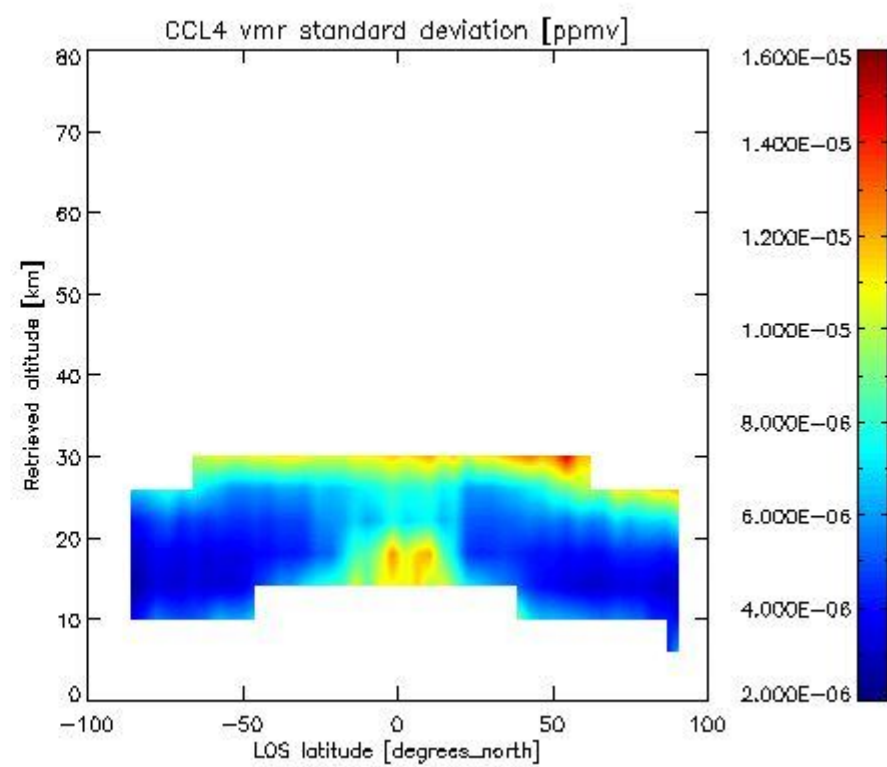
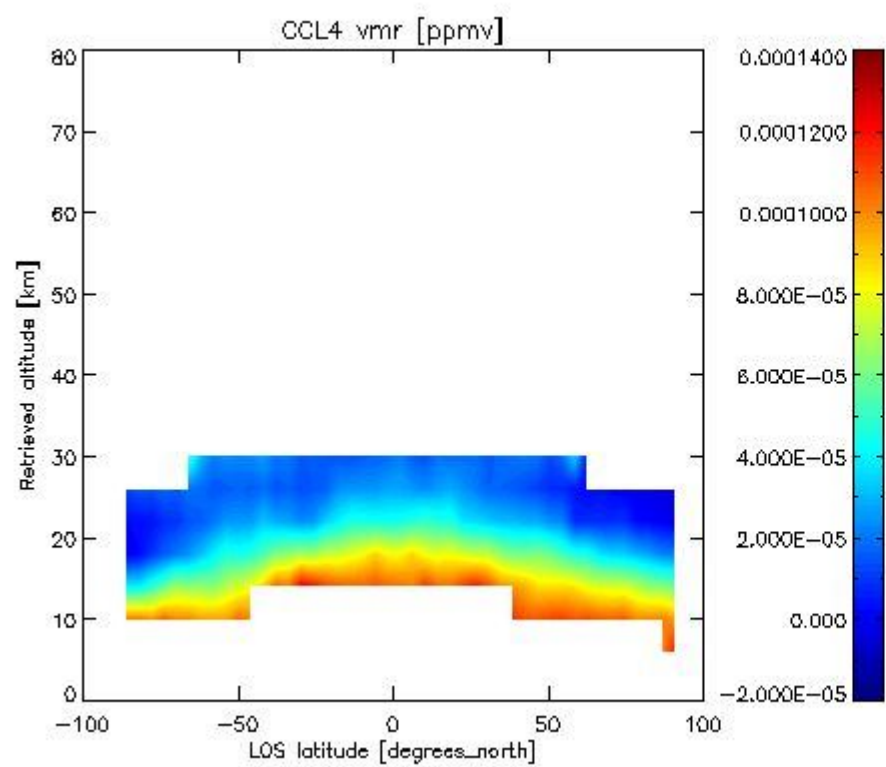
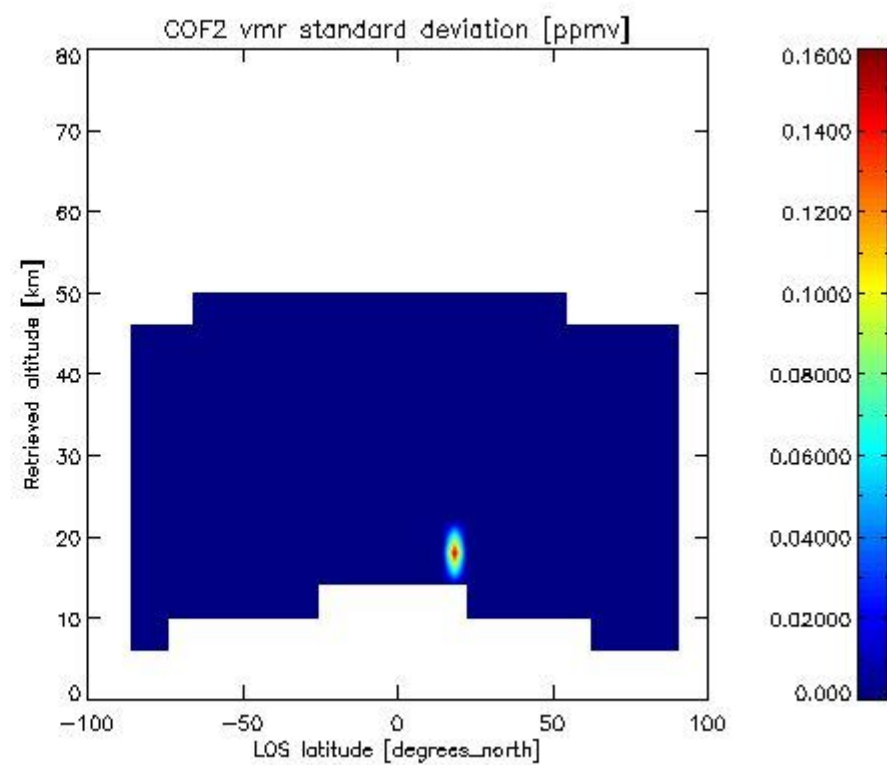
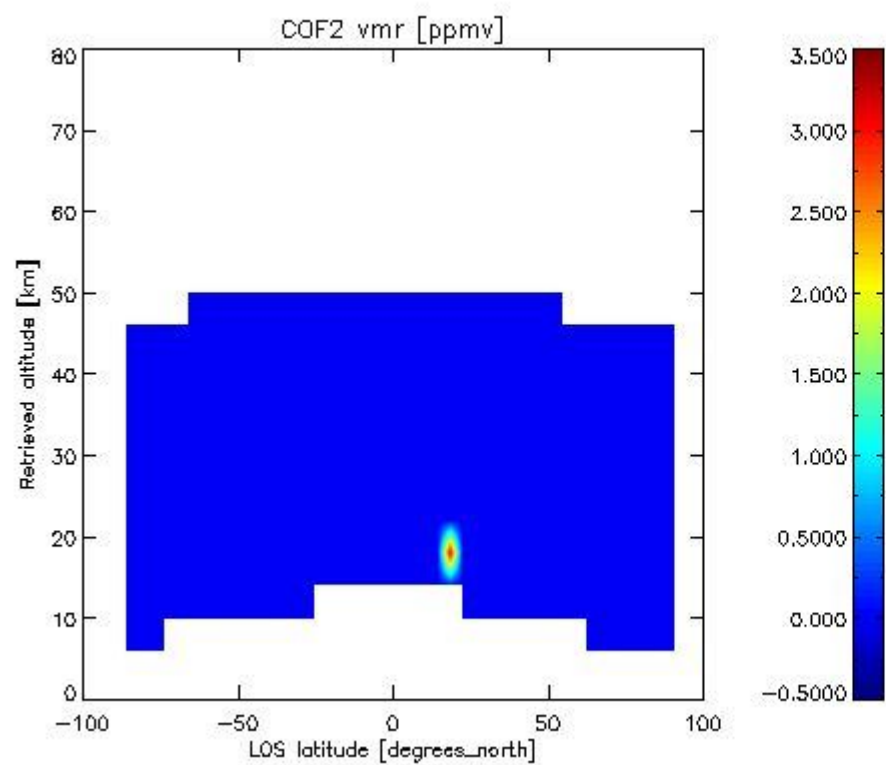
2.3.4 CLNO overview This section shows values (left) and error (right) for CLNO after binning individual vmr values over retrieved altitude and target latitude.

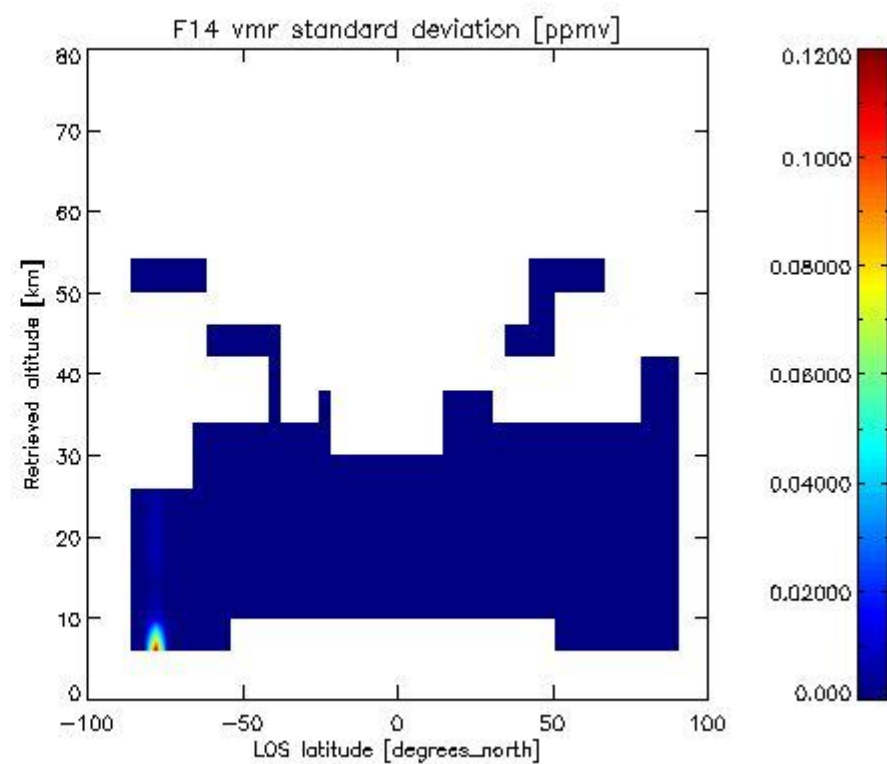
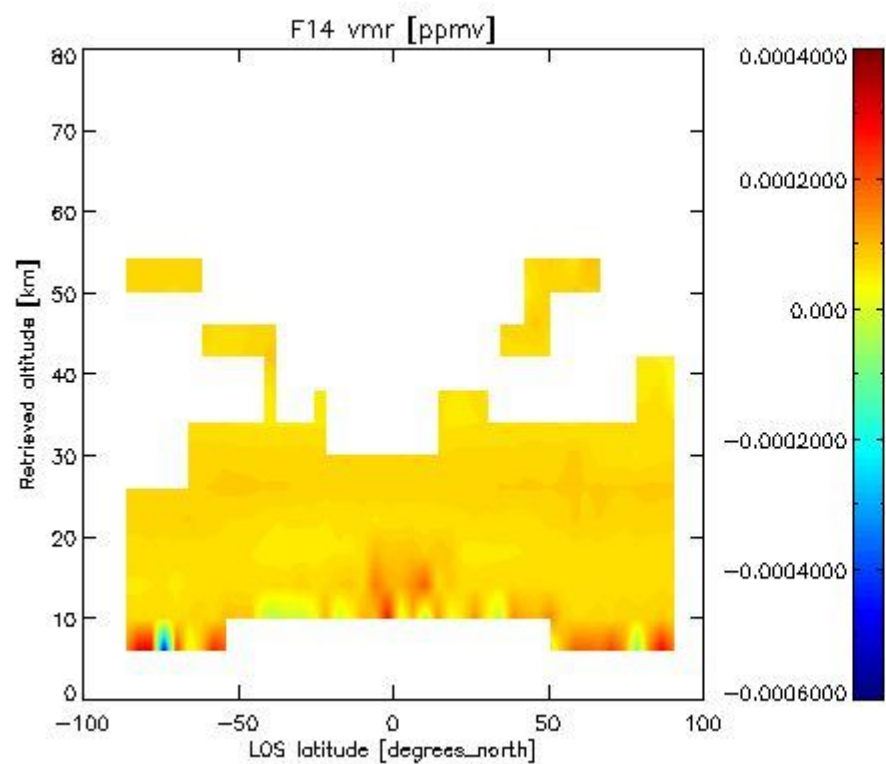
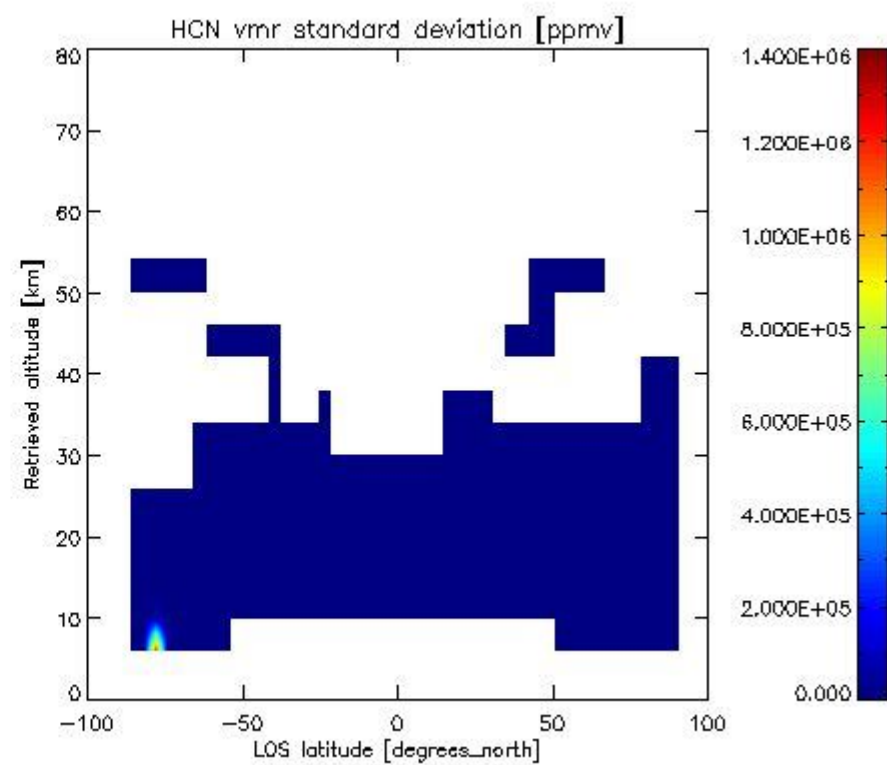
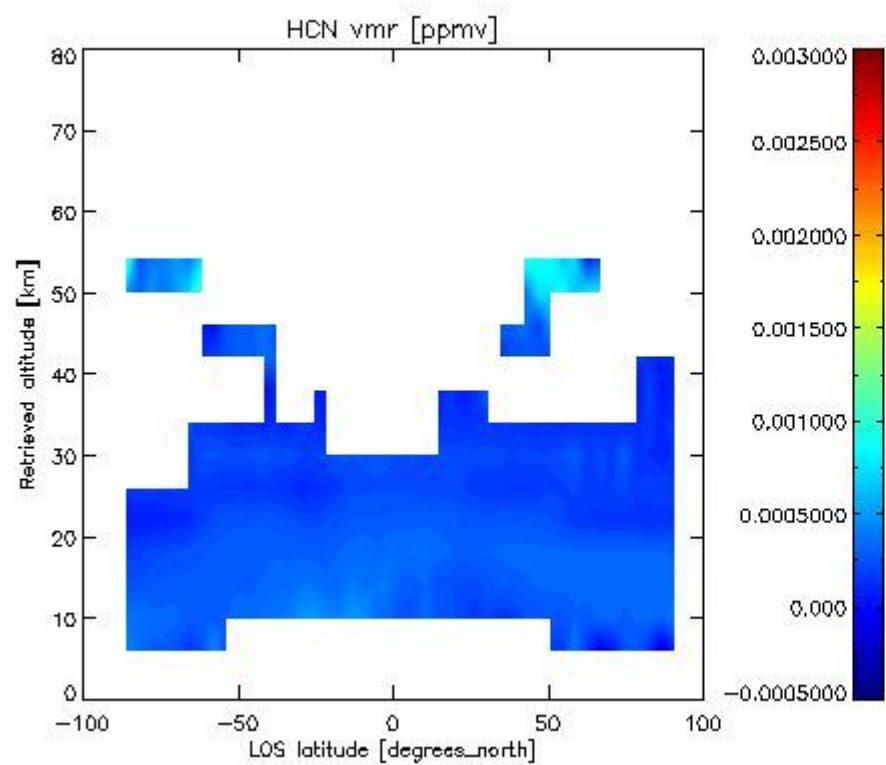


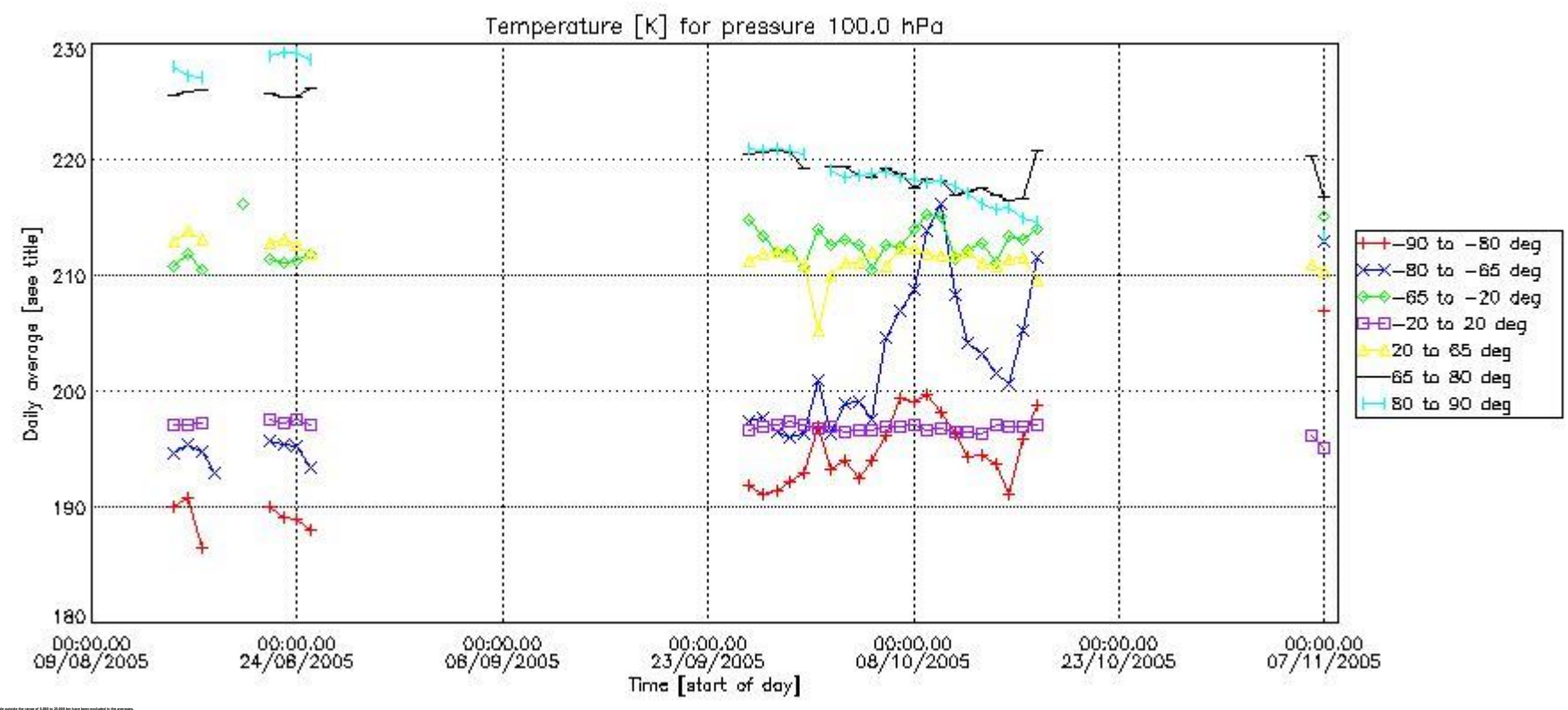
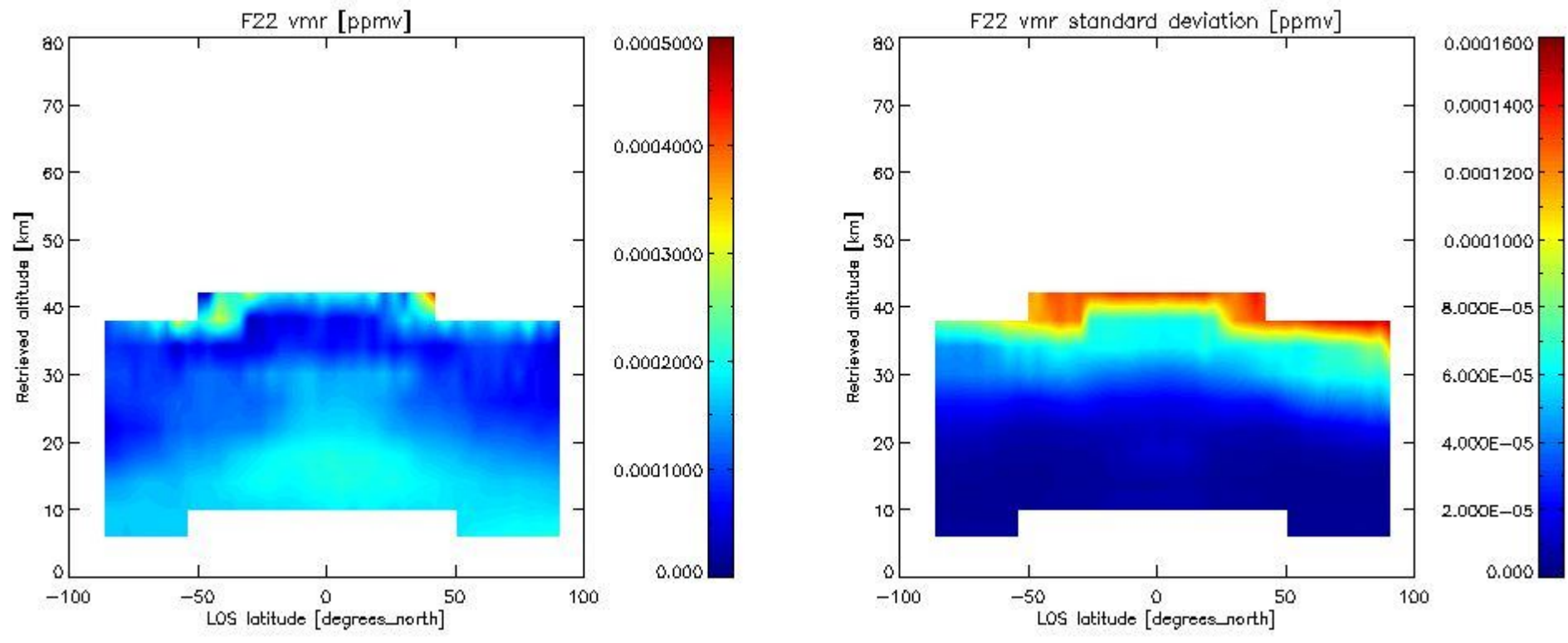
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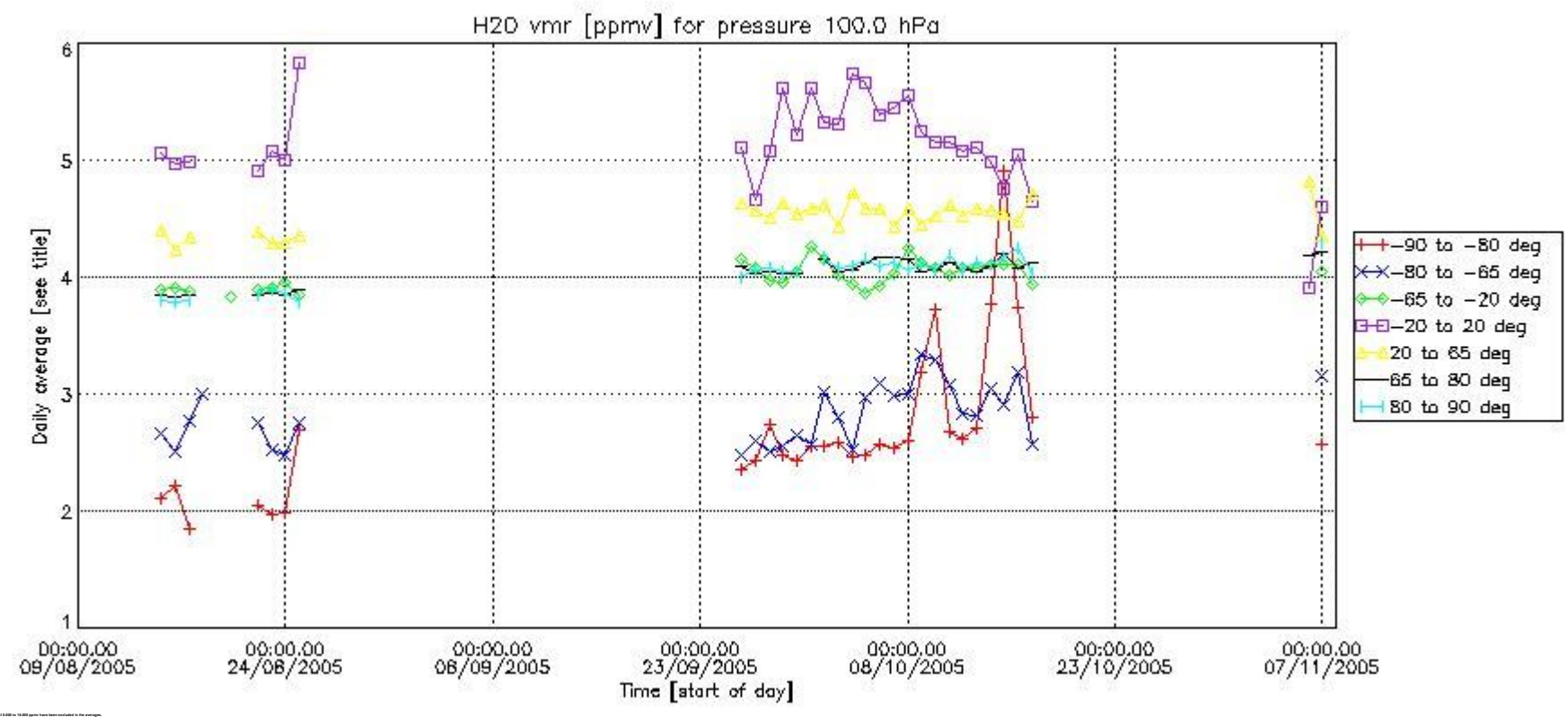
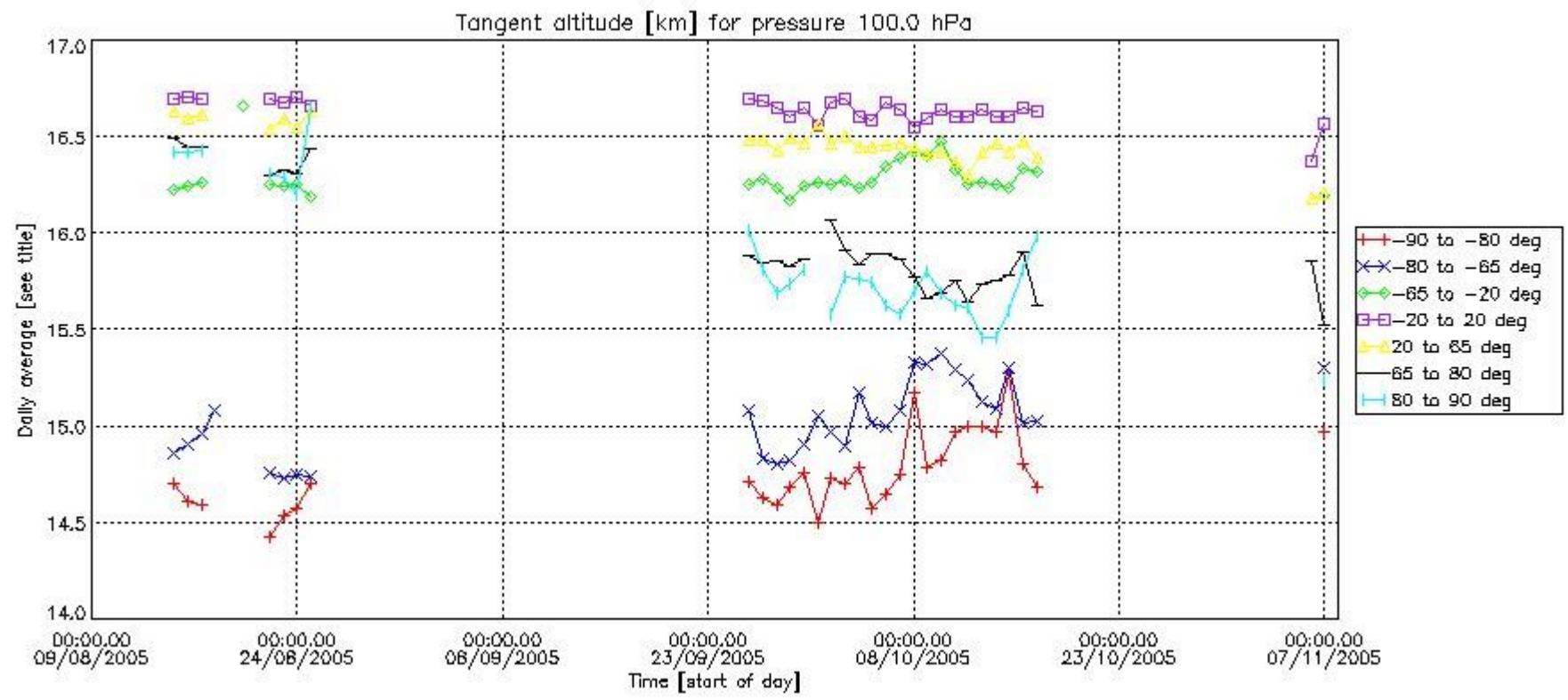


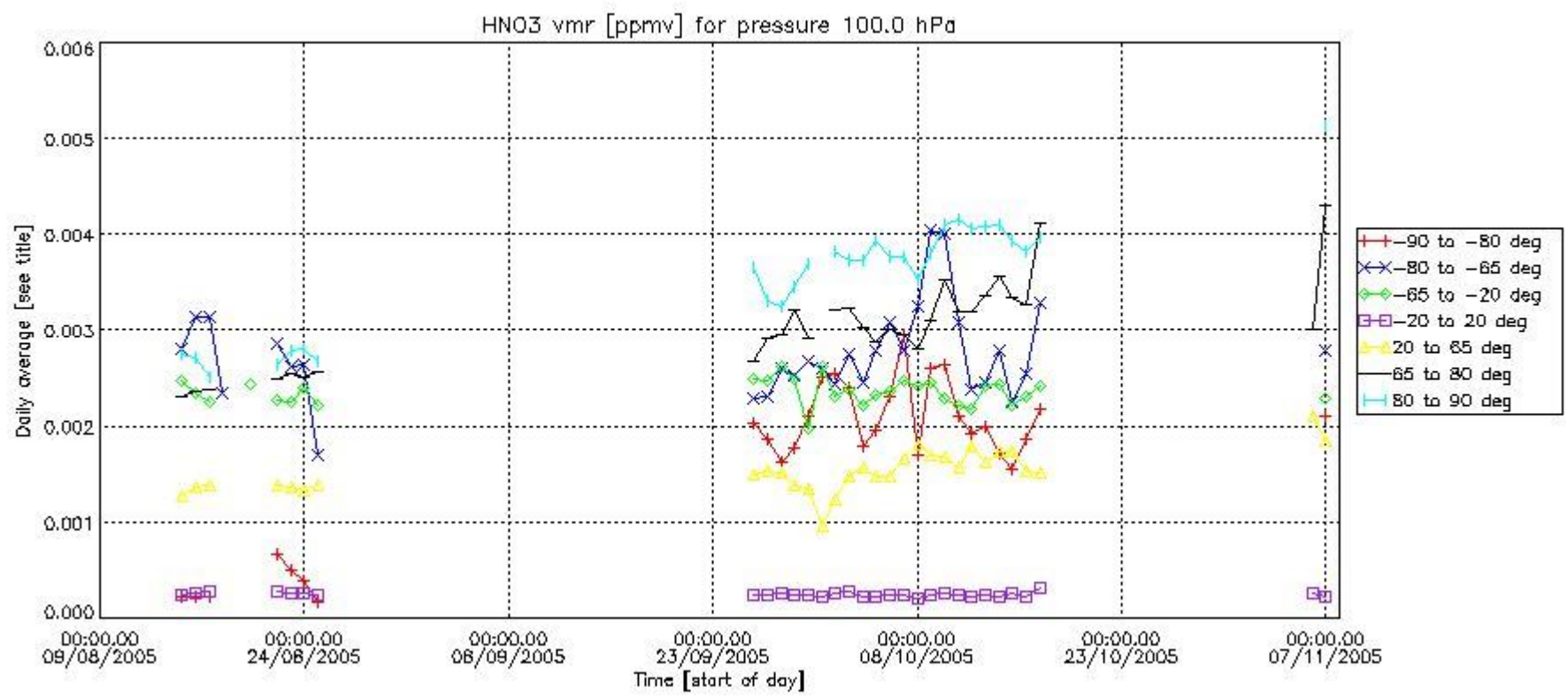
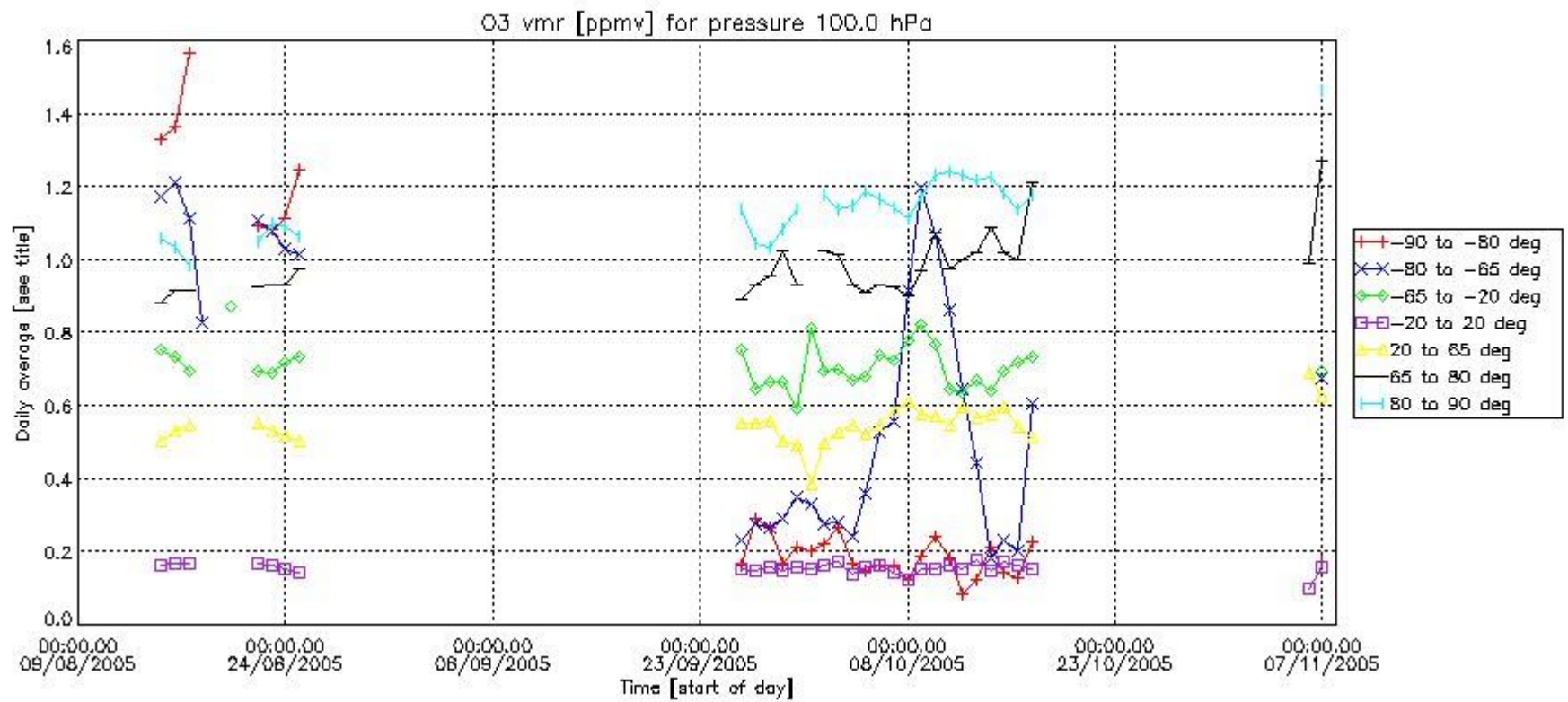


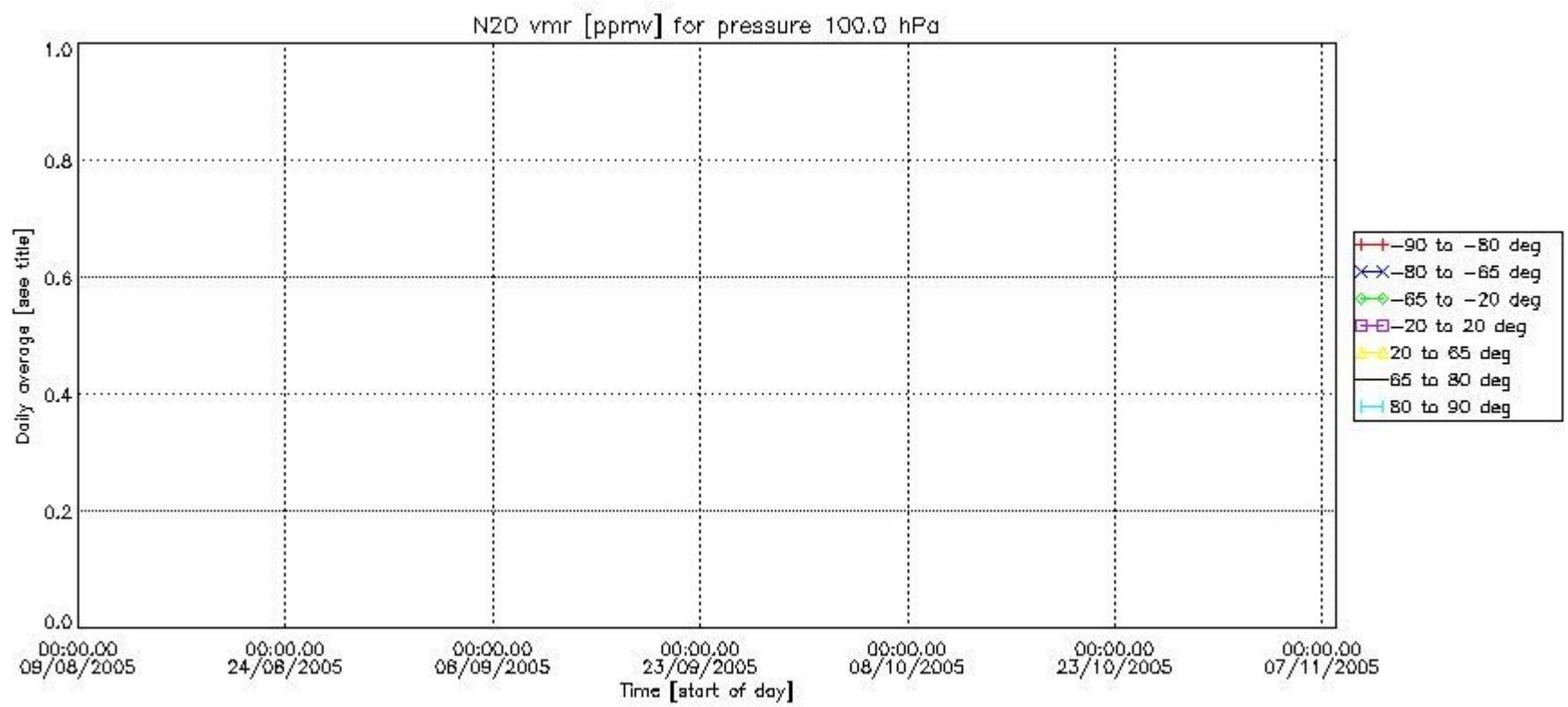
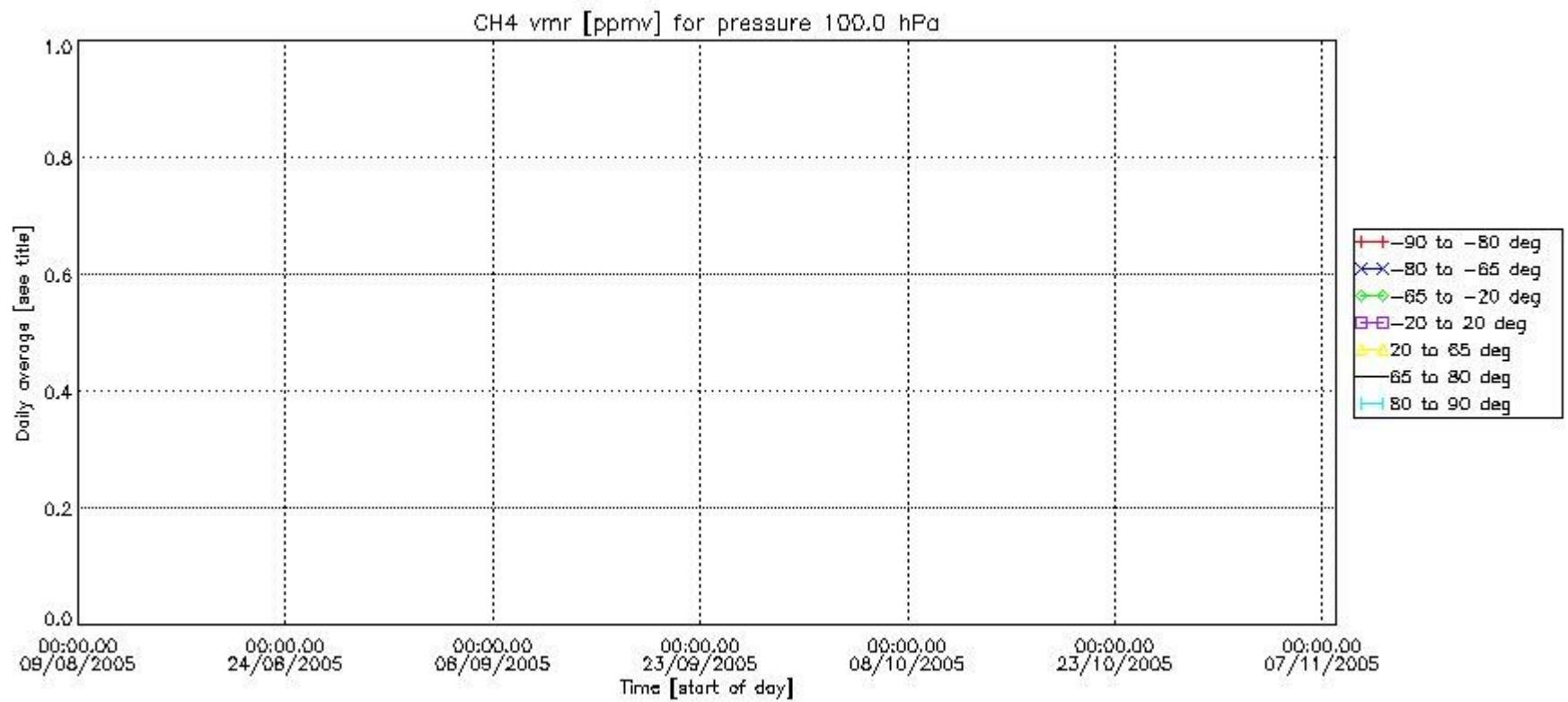


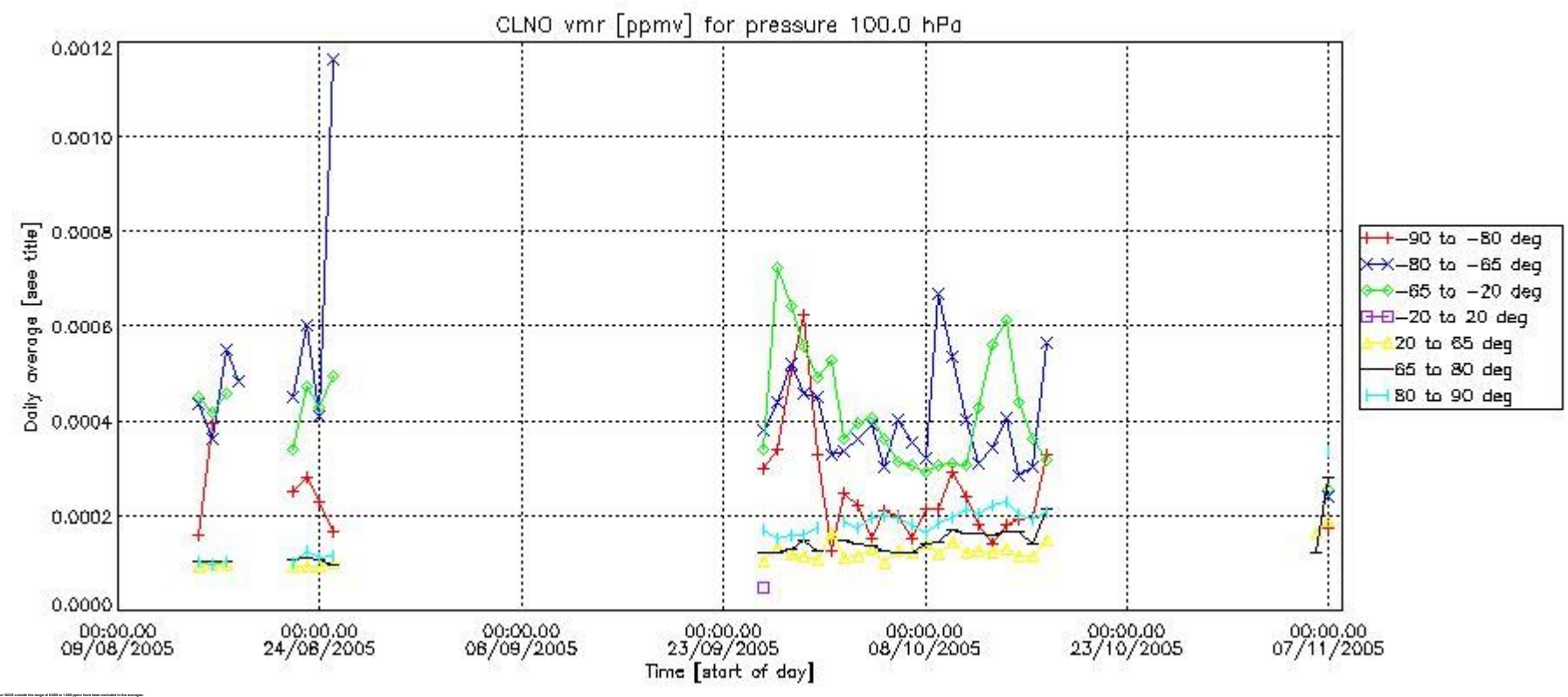
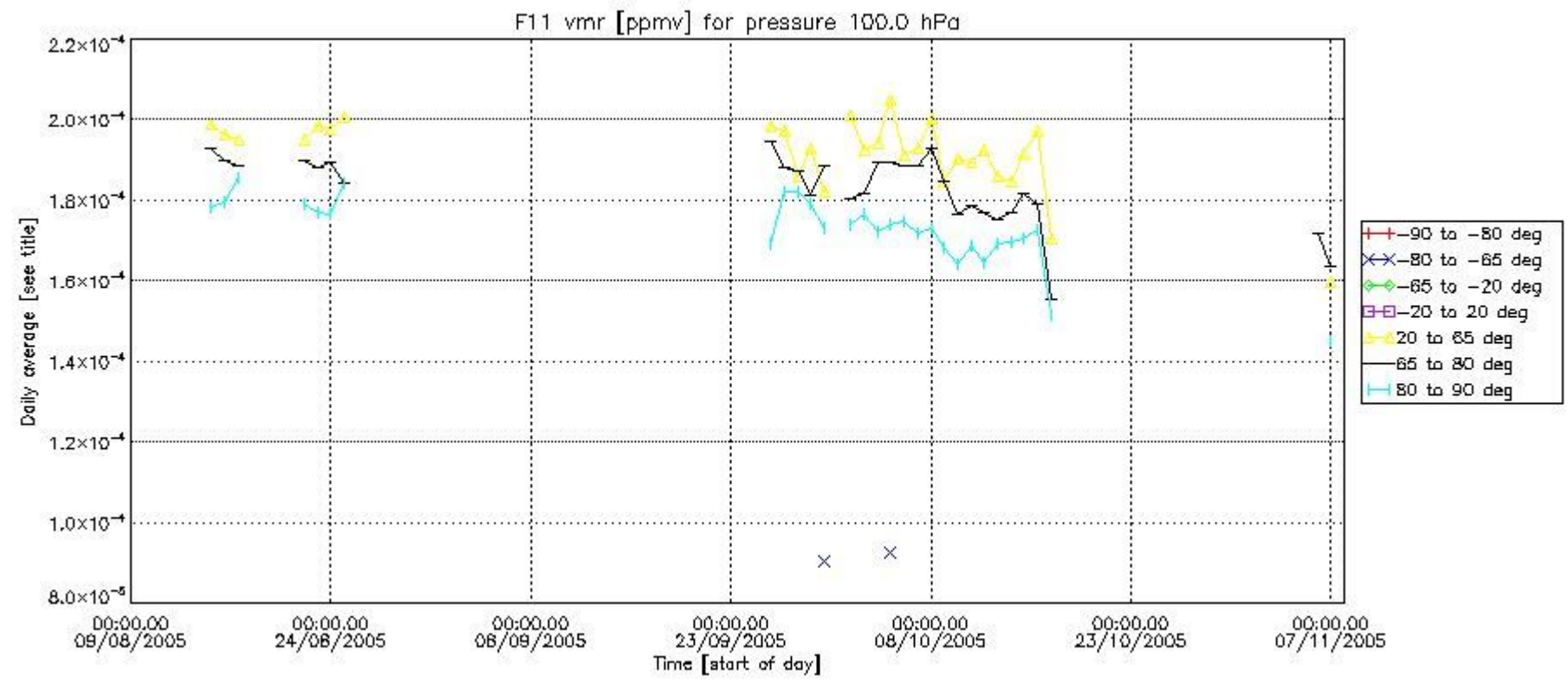


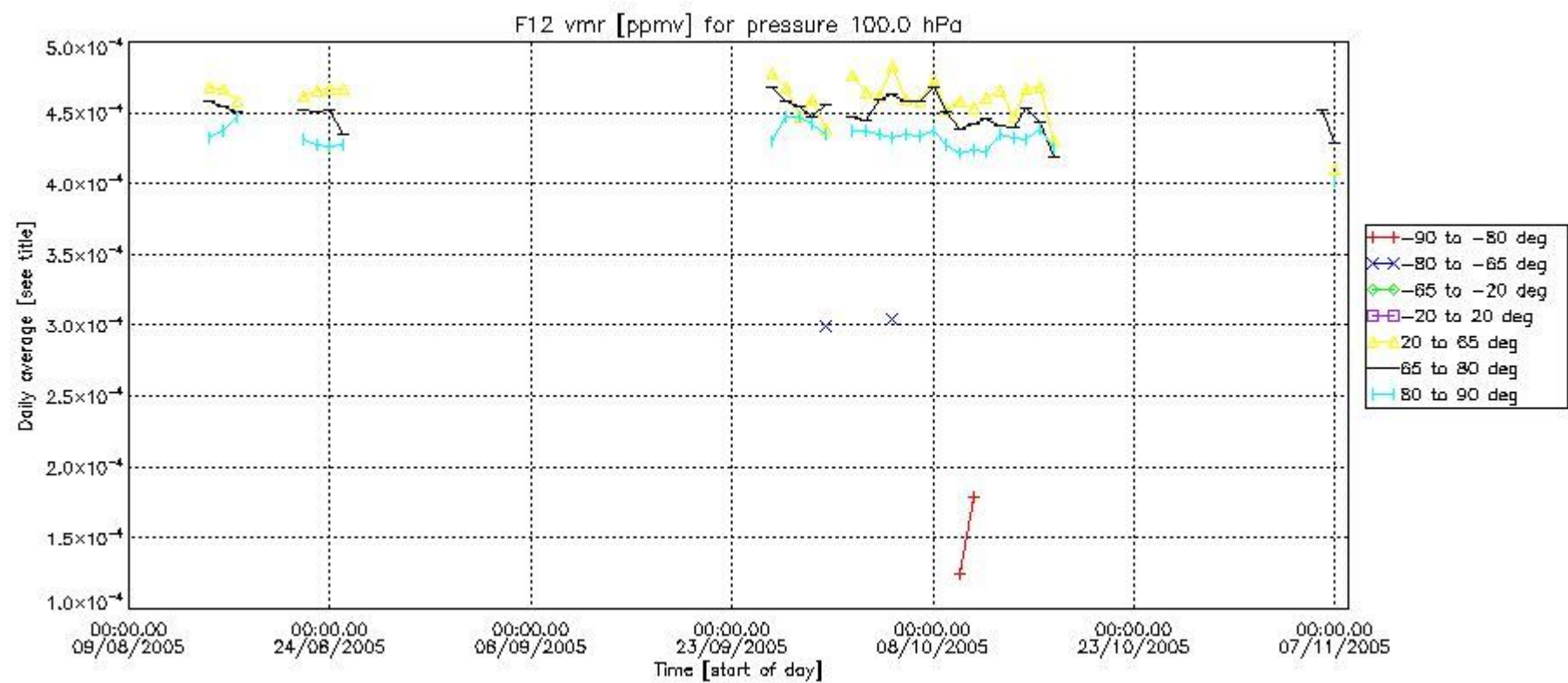
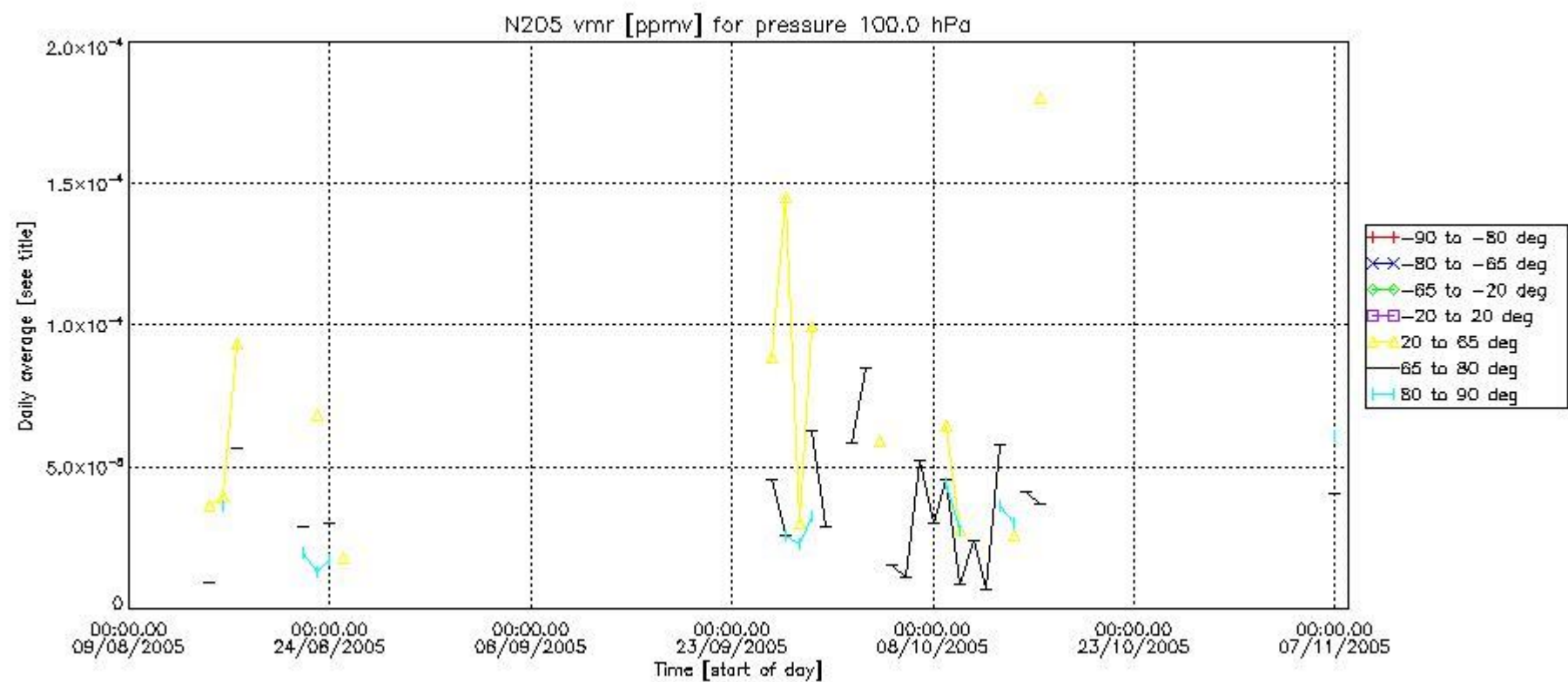




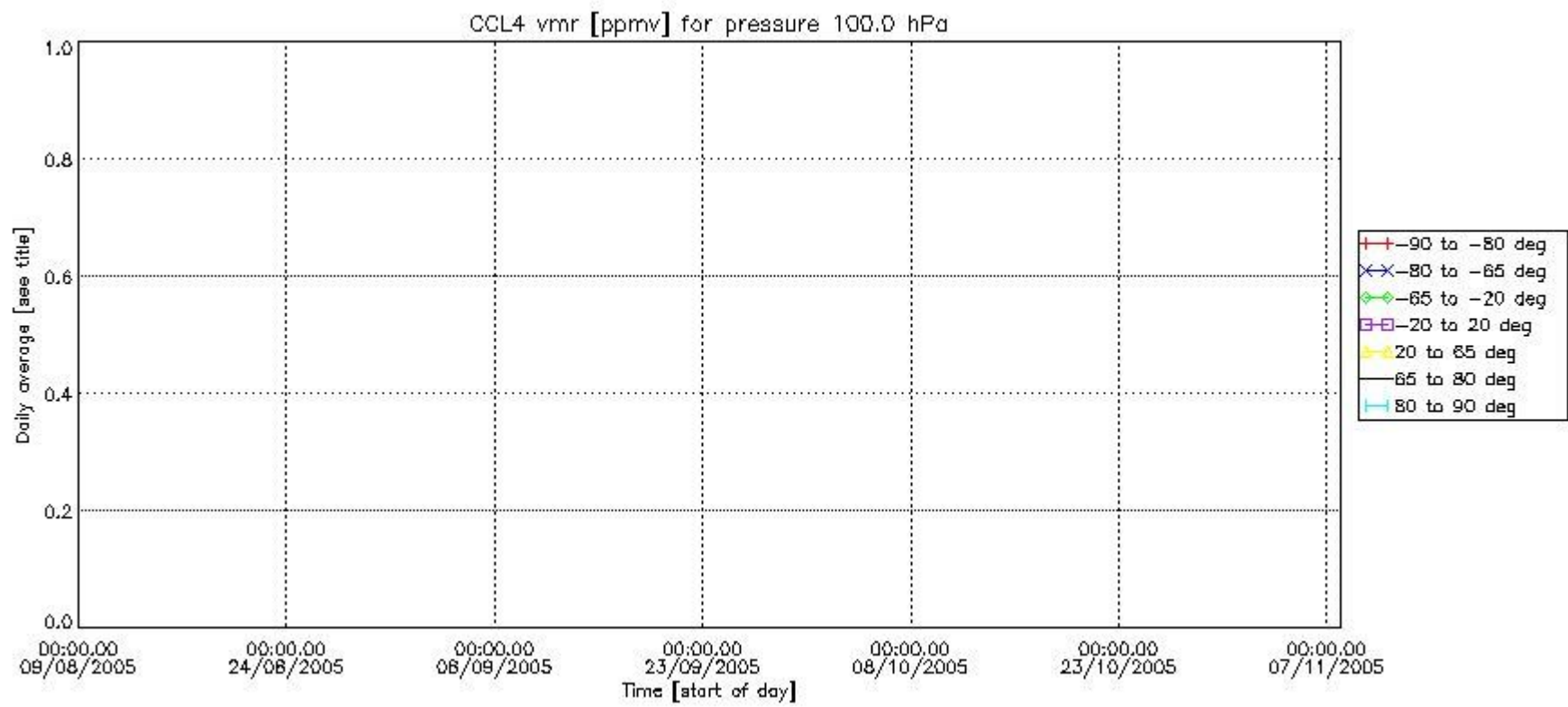
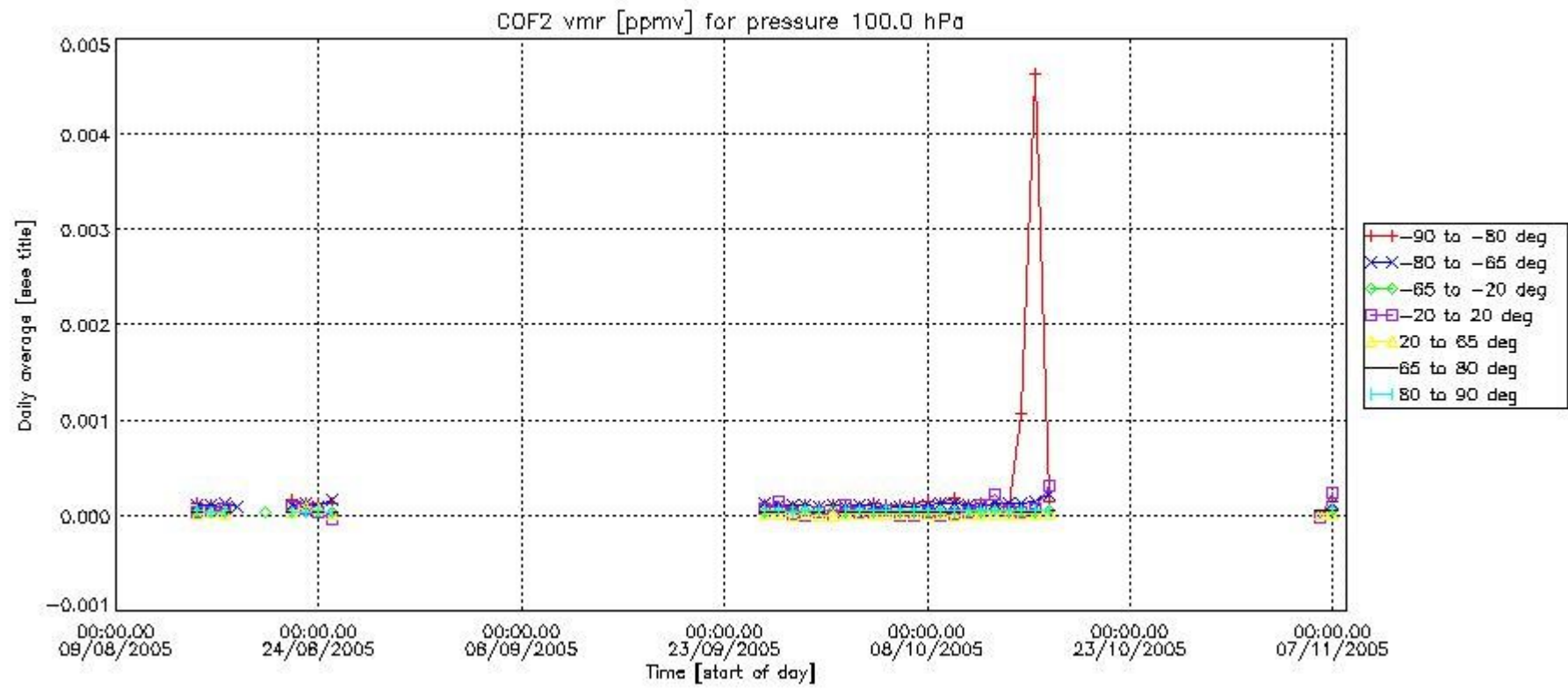


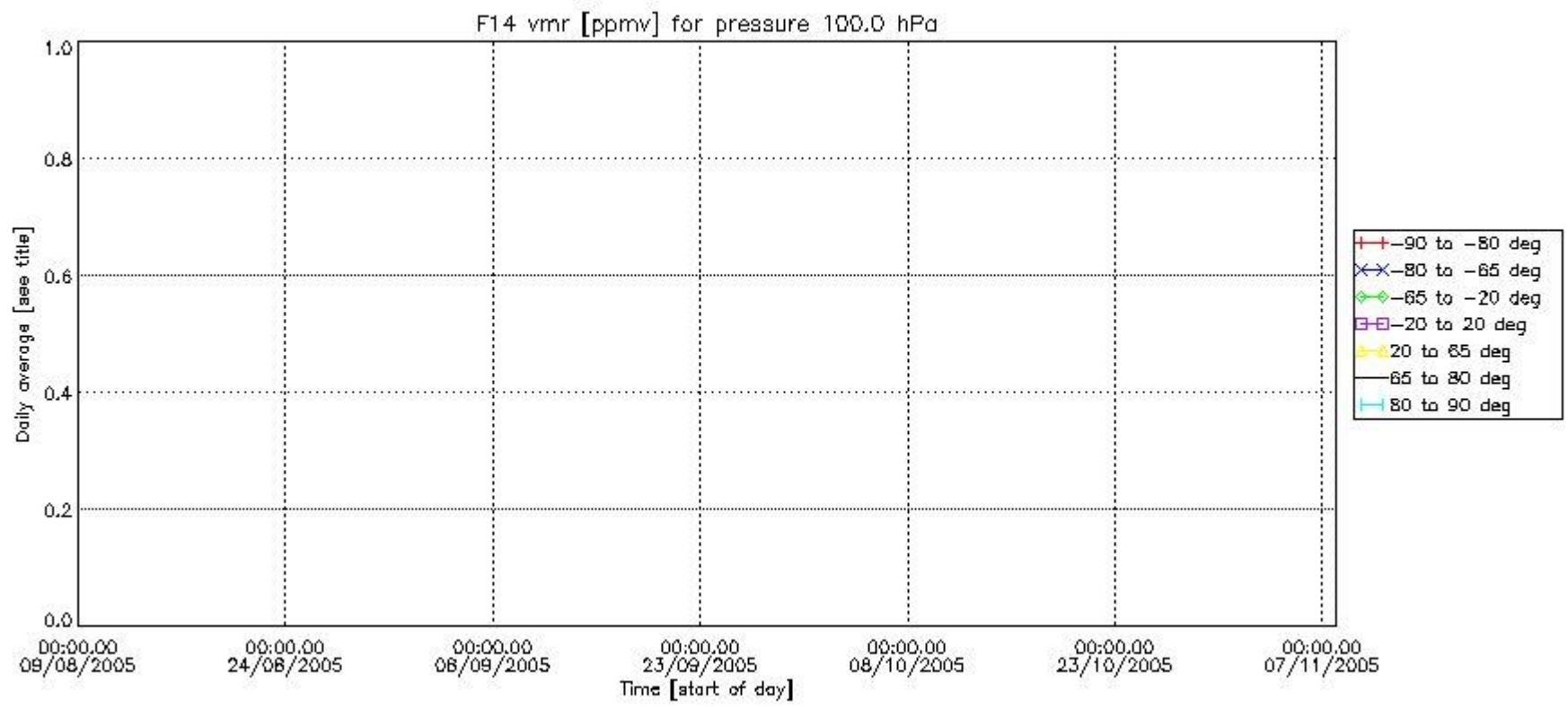
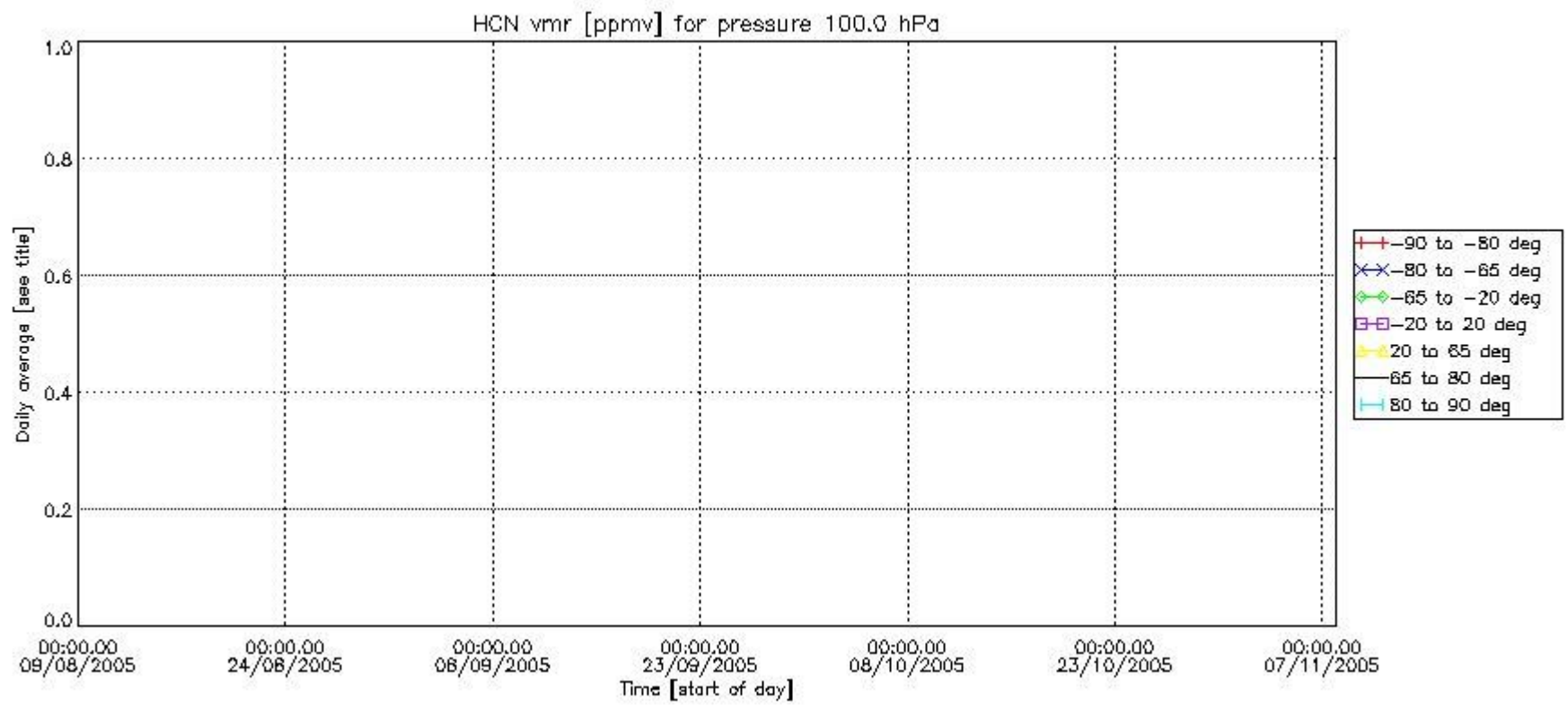


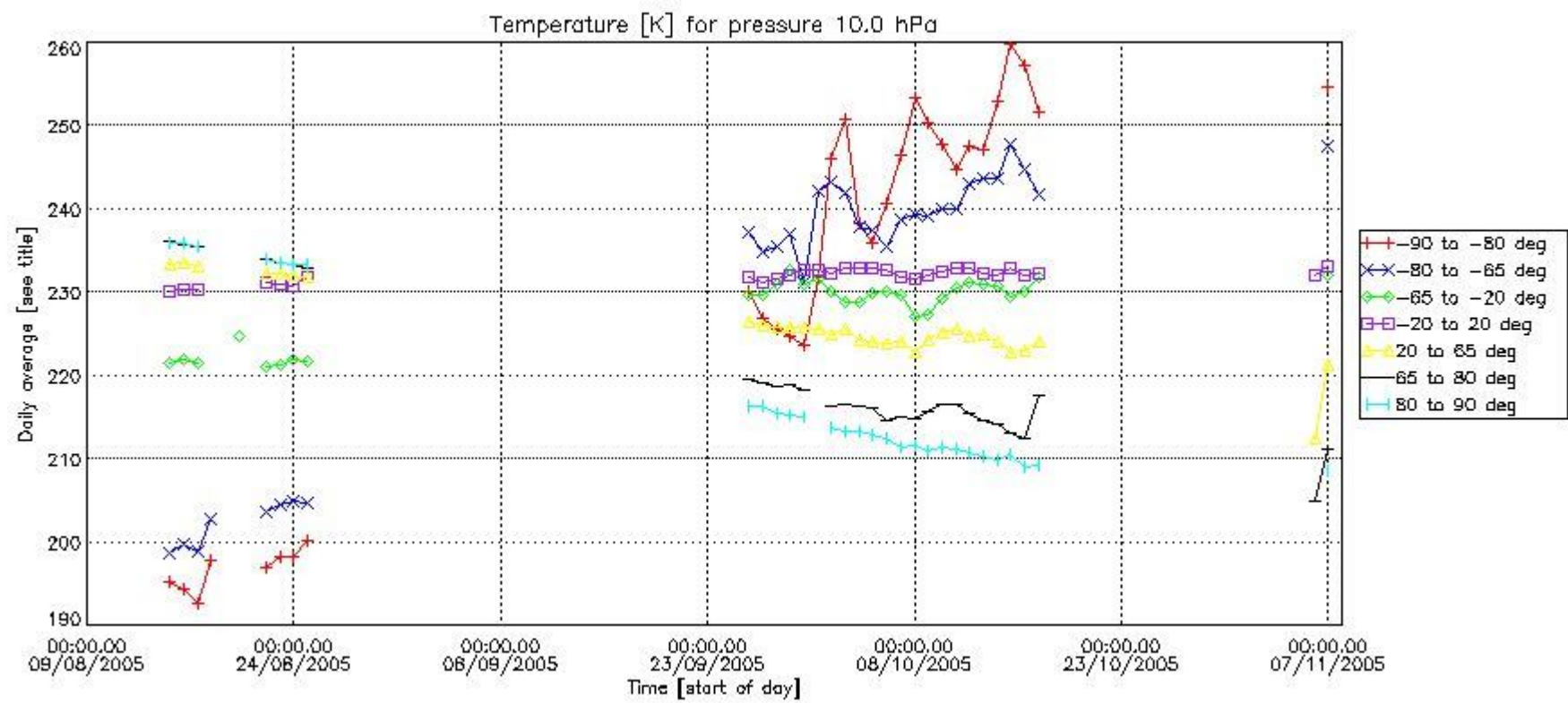
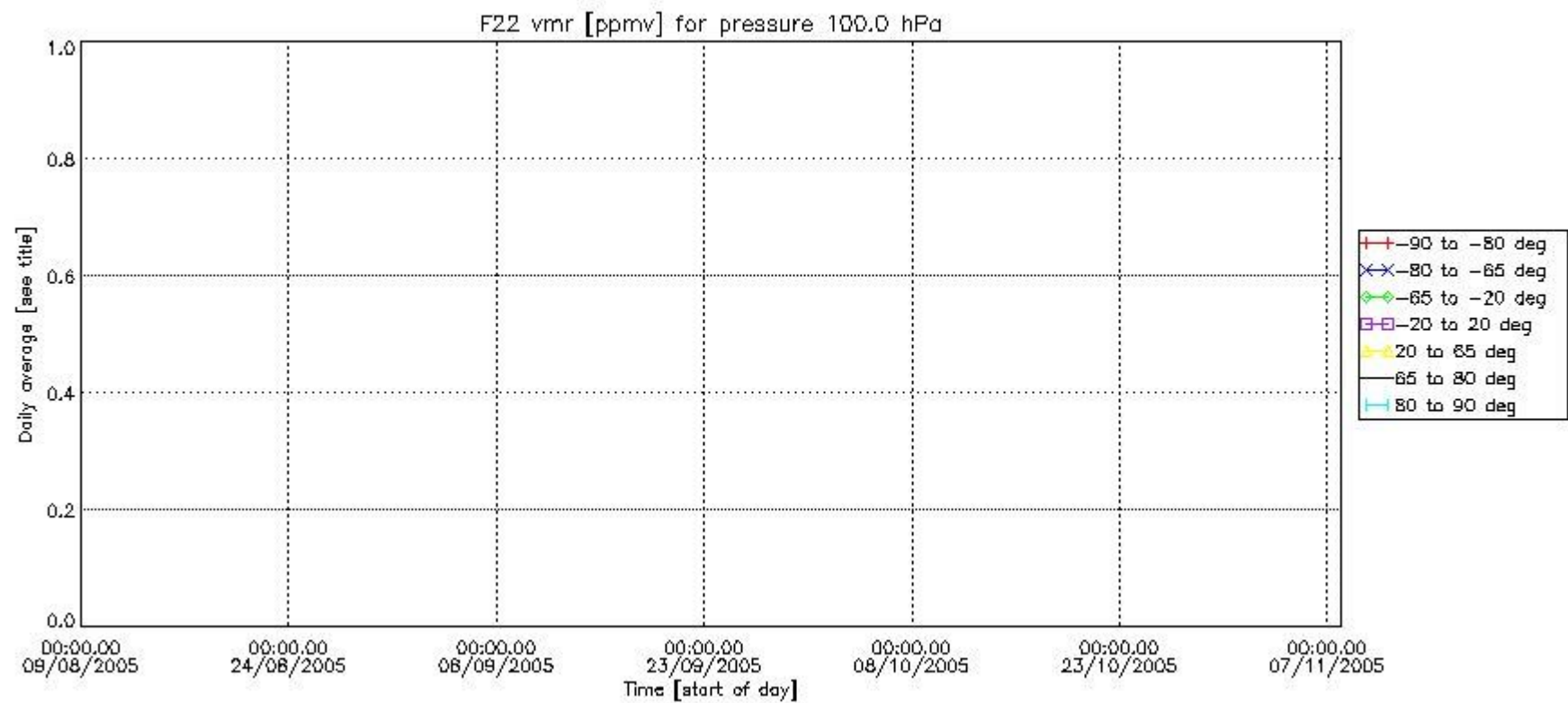


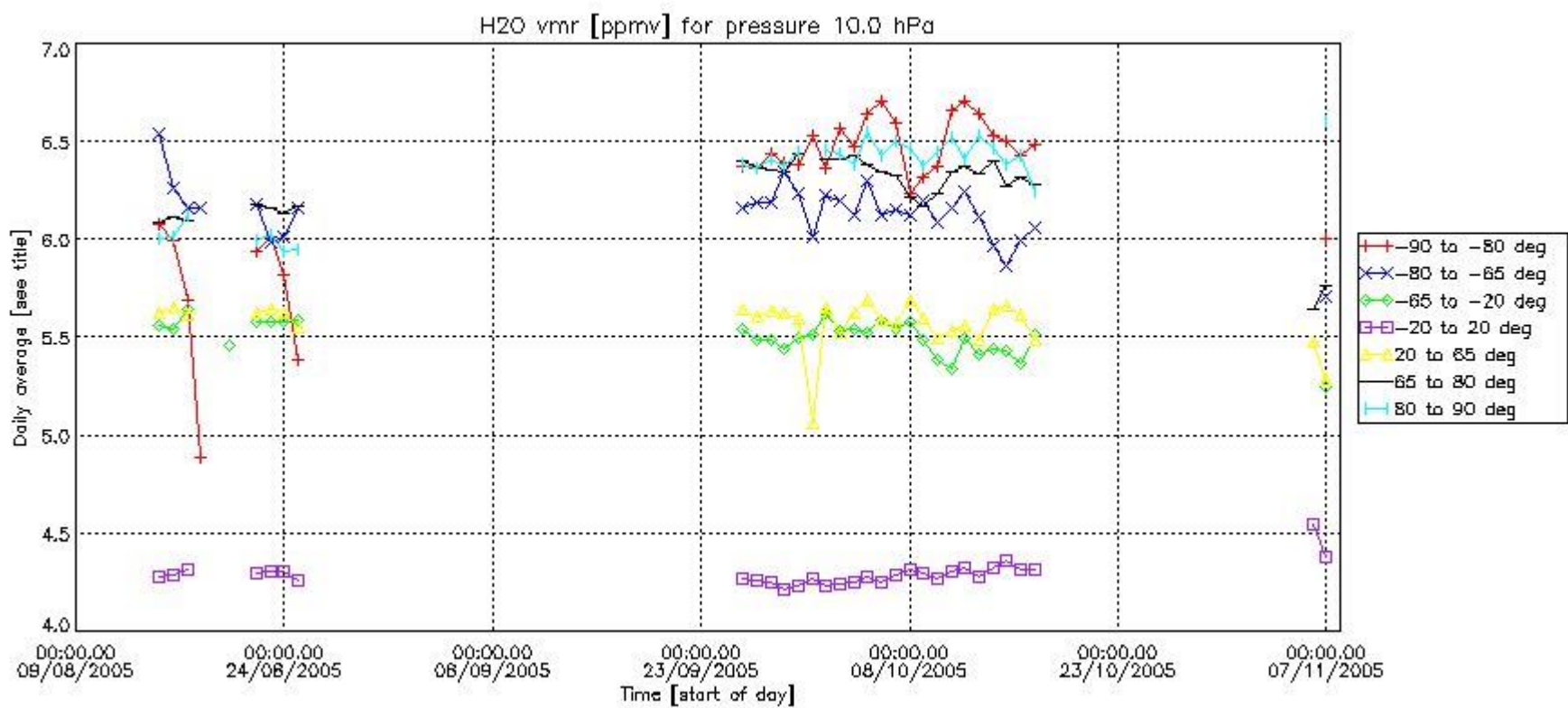
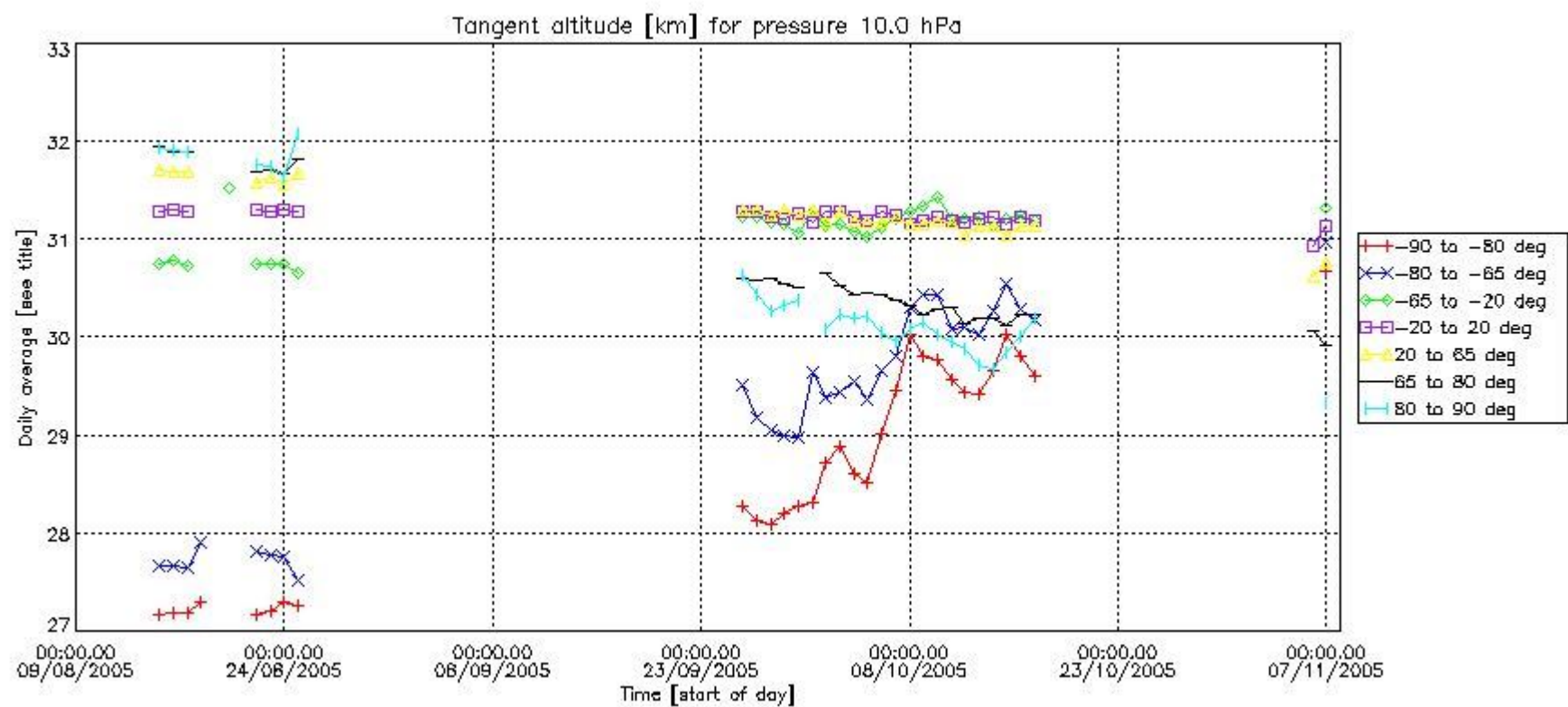


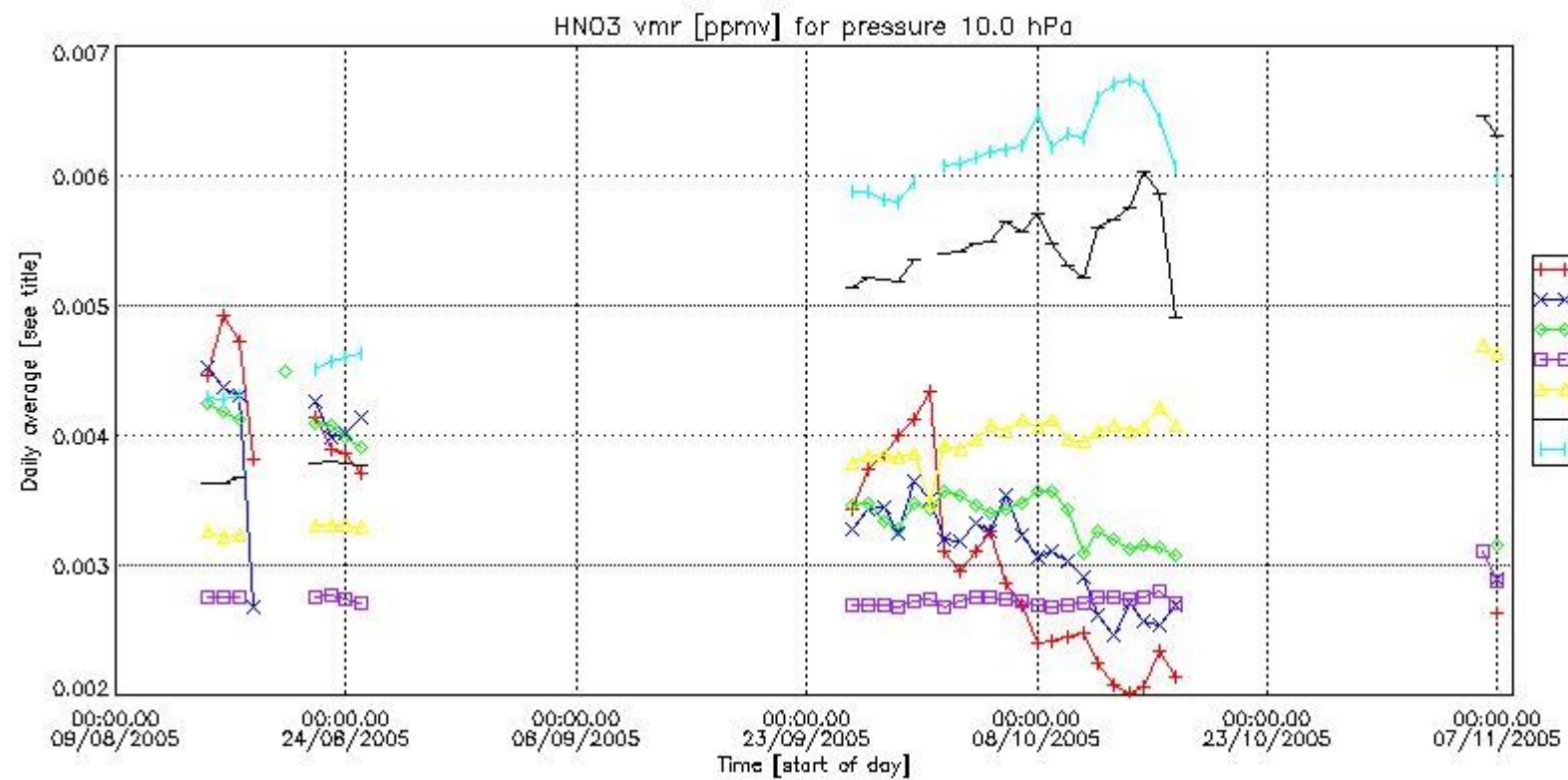
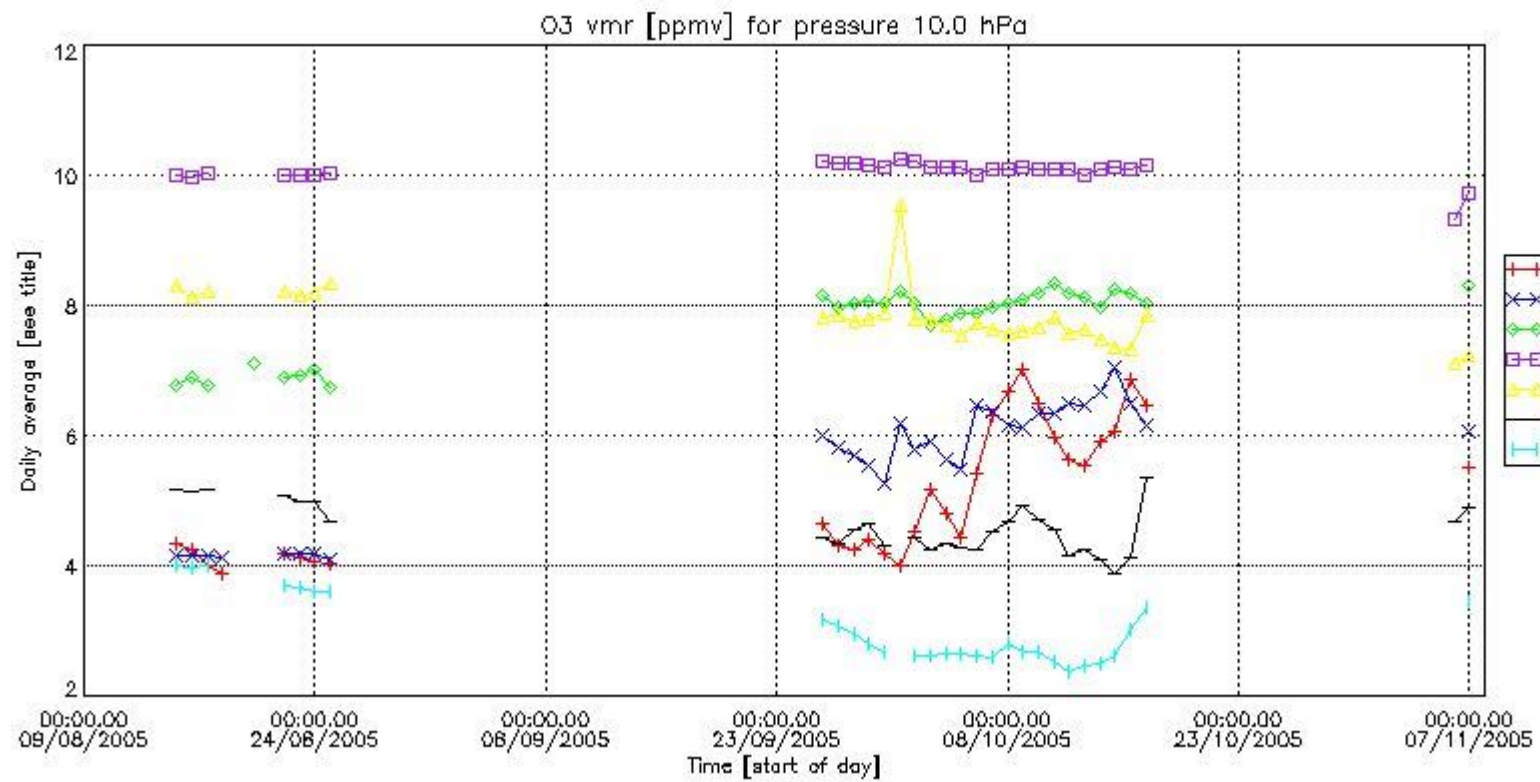


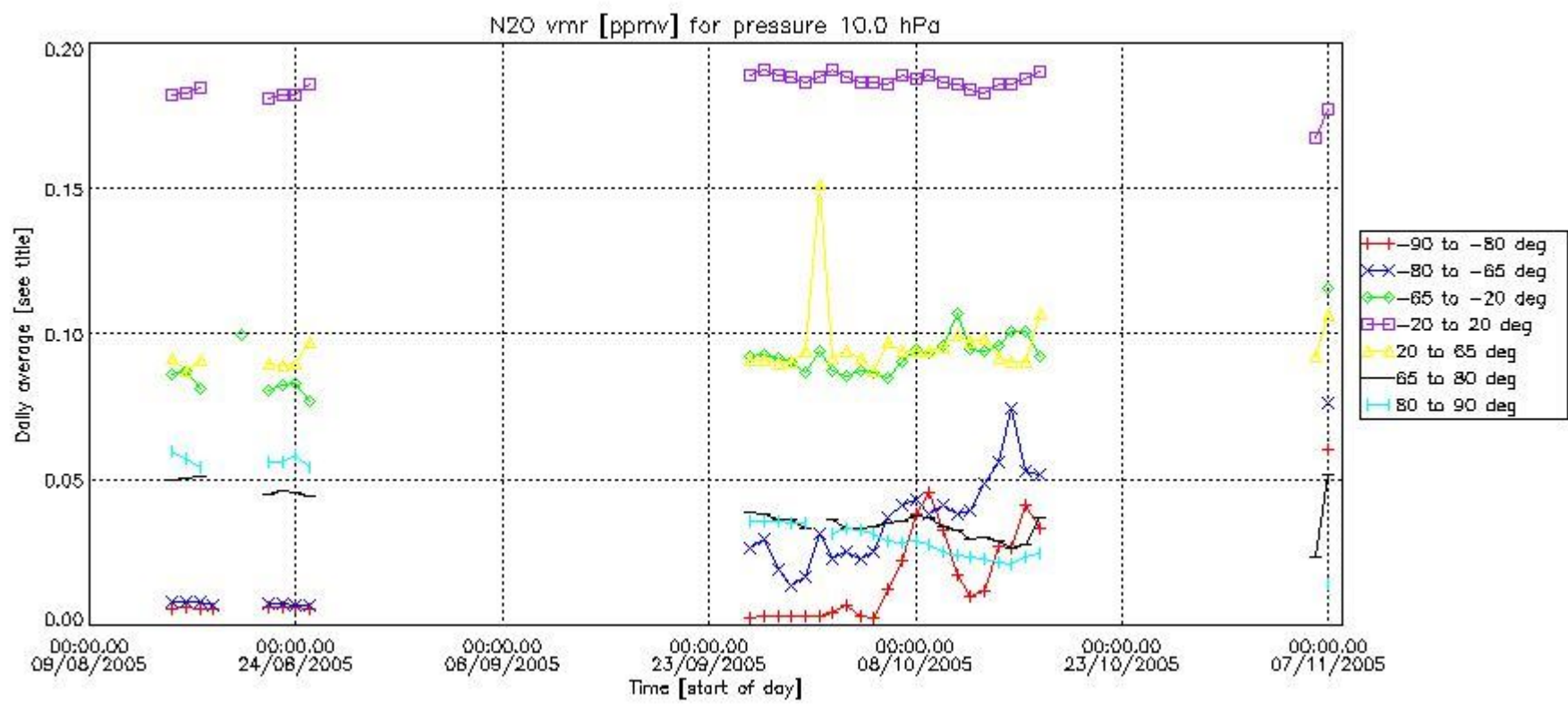
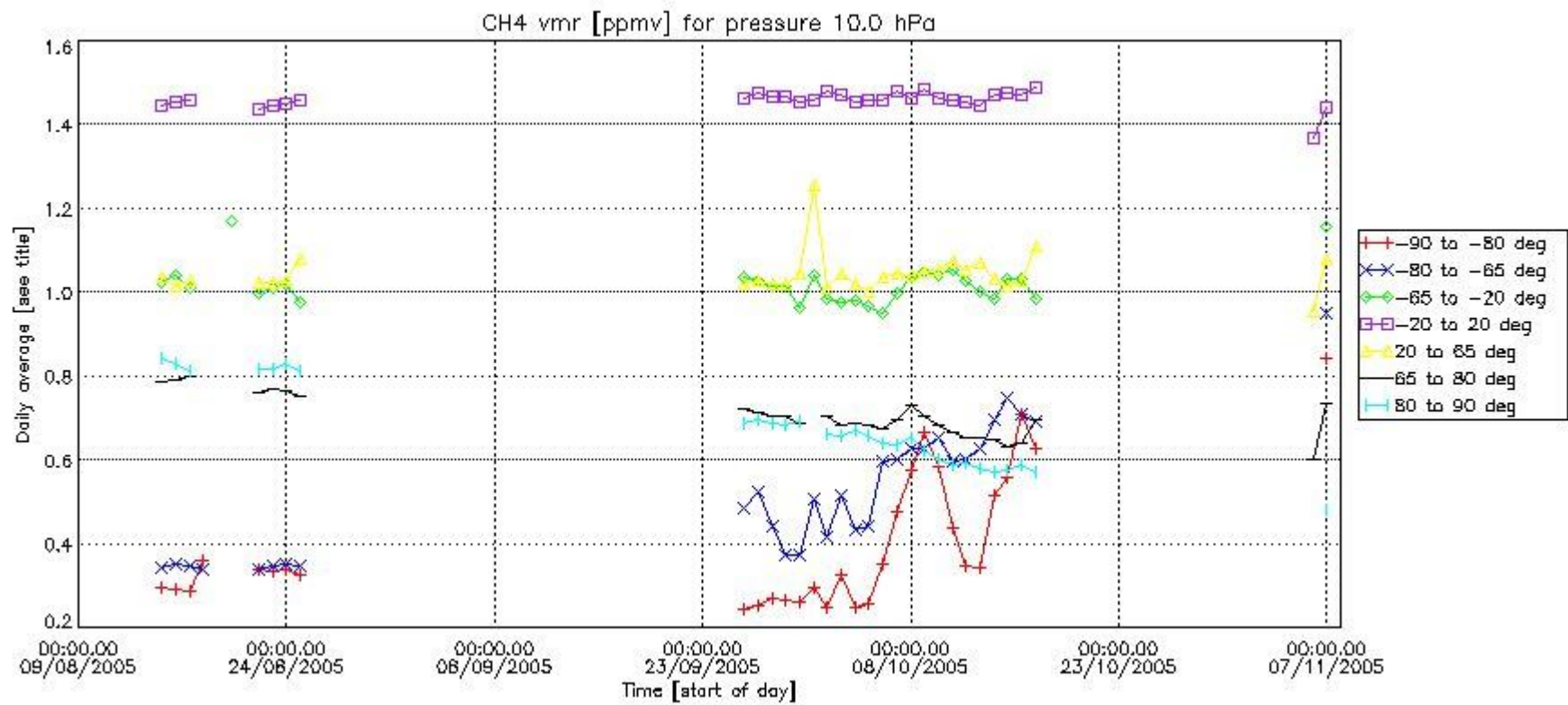


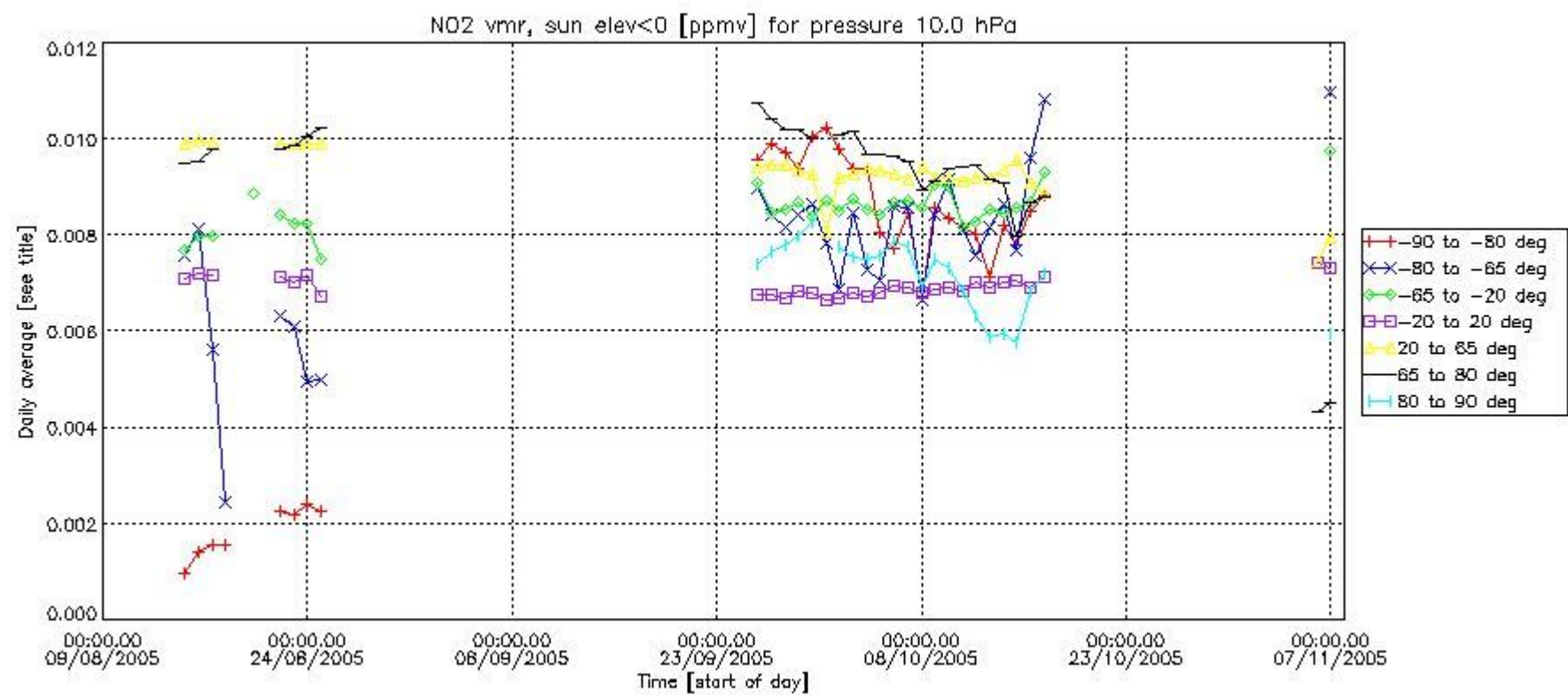
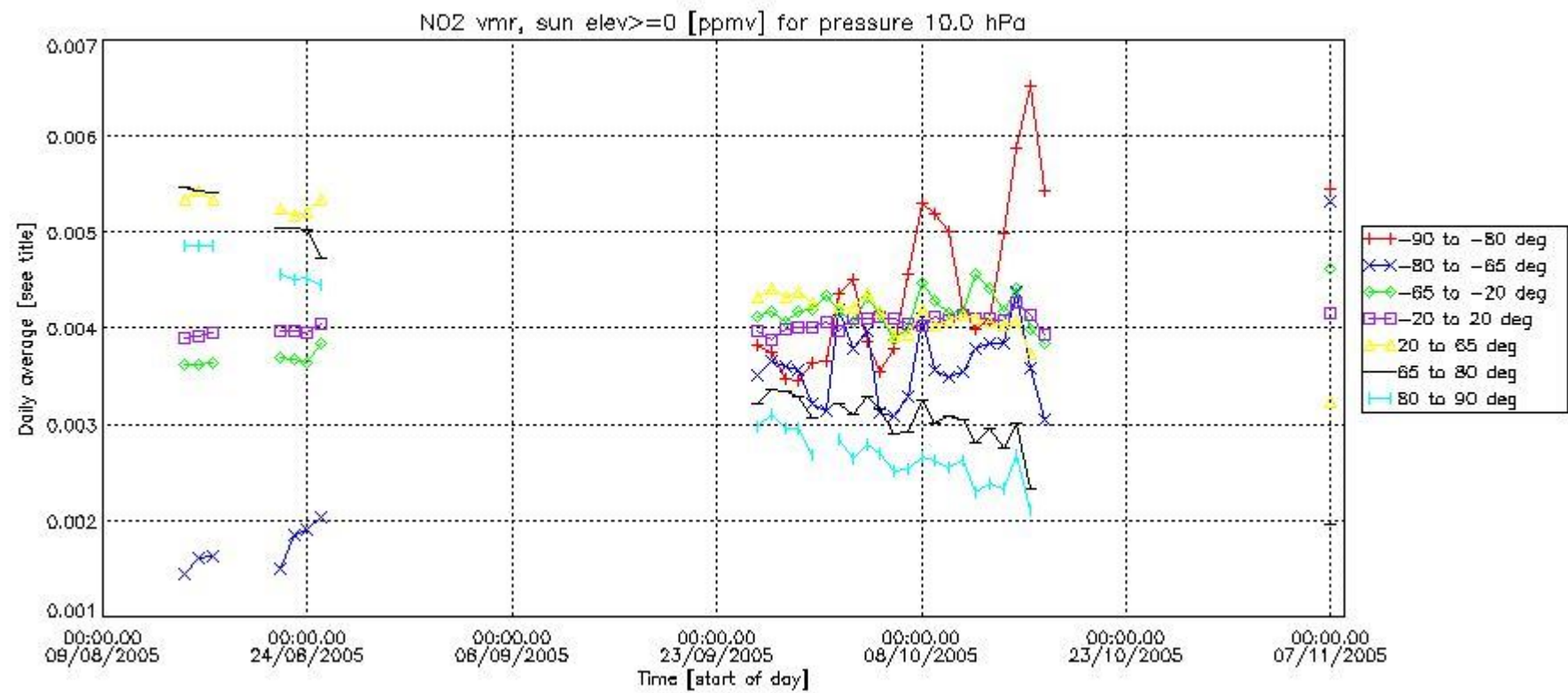


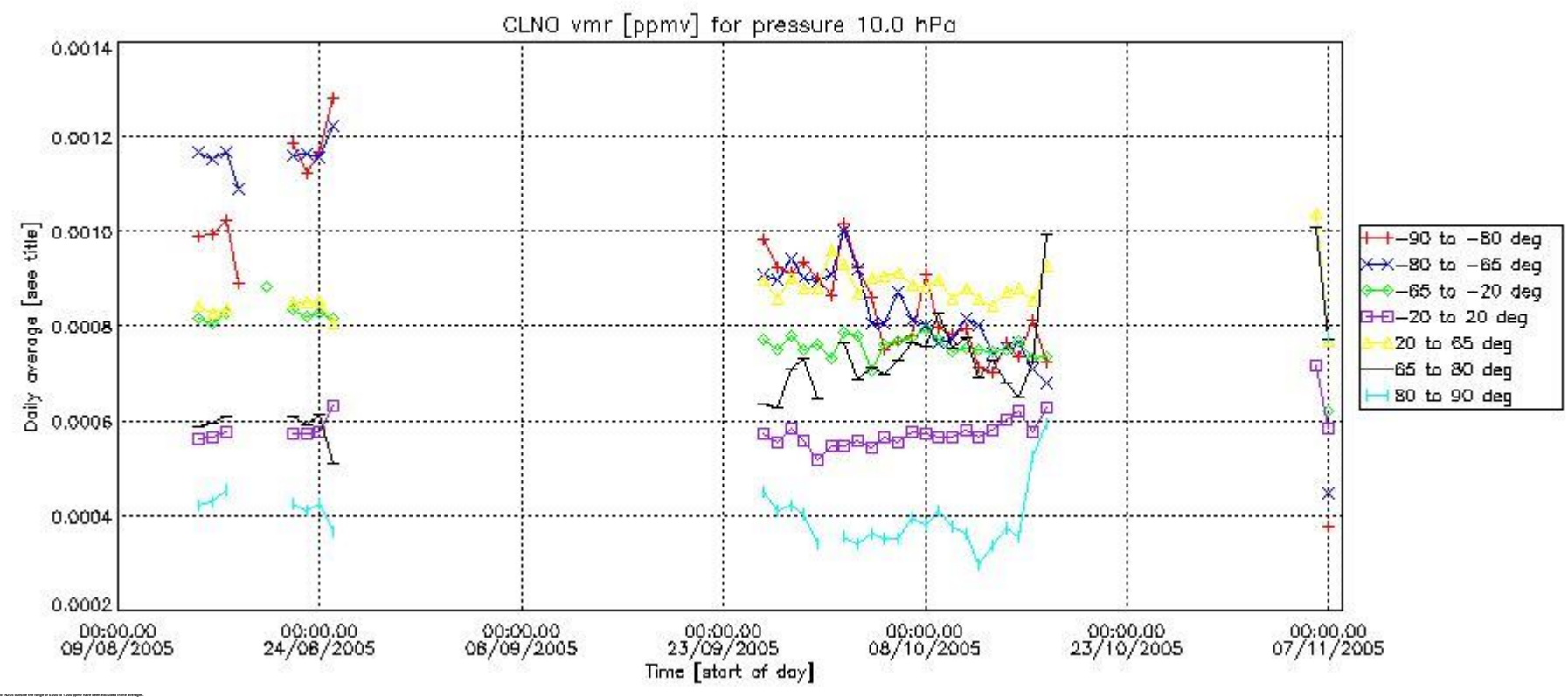
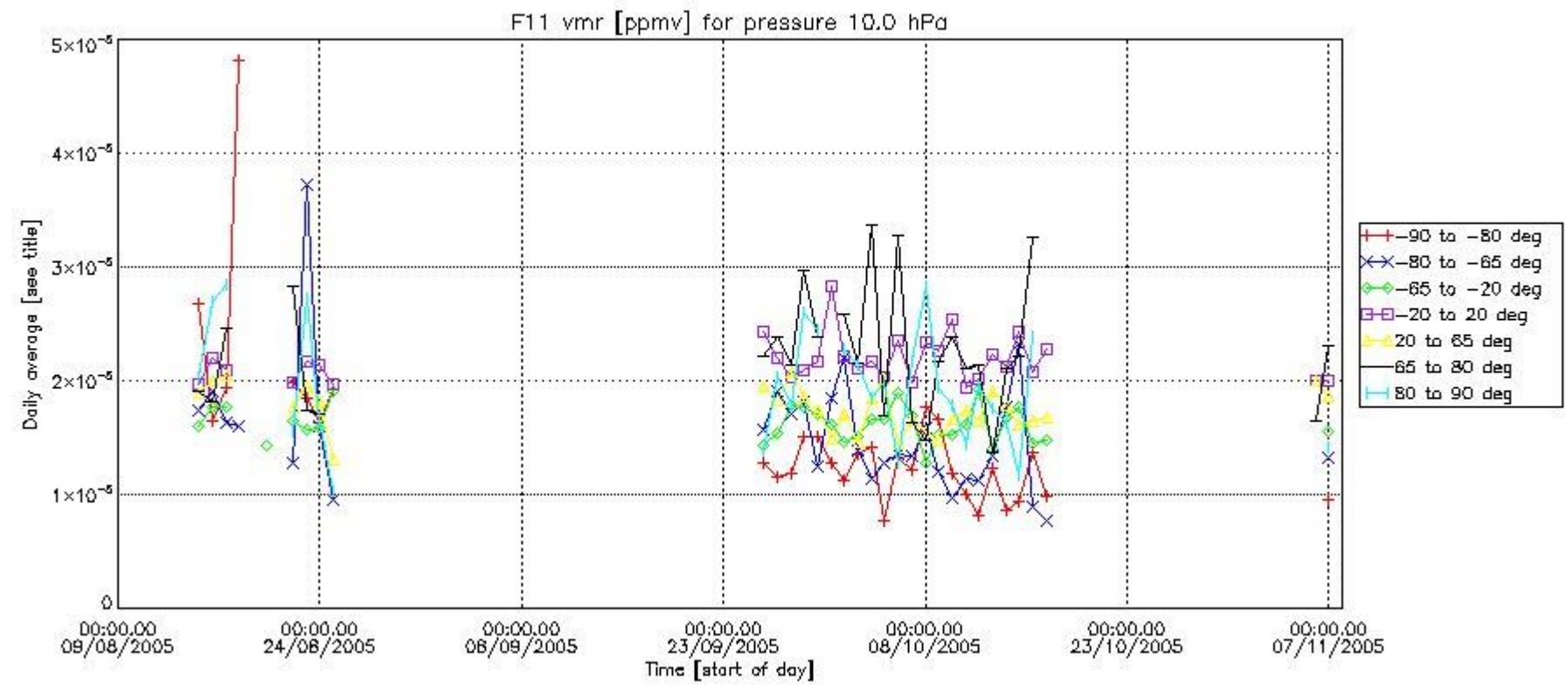




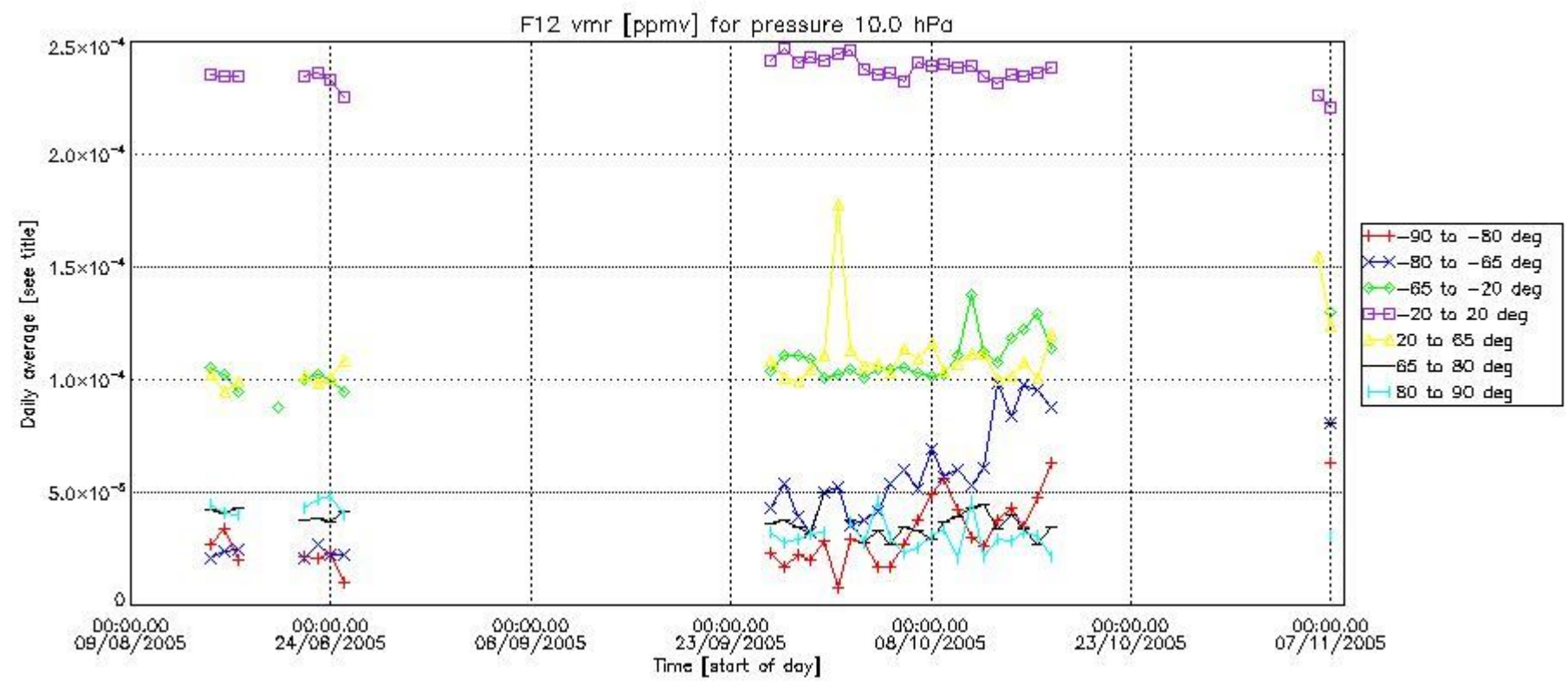
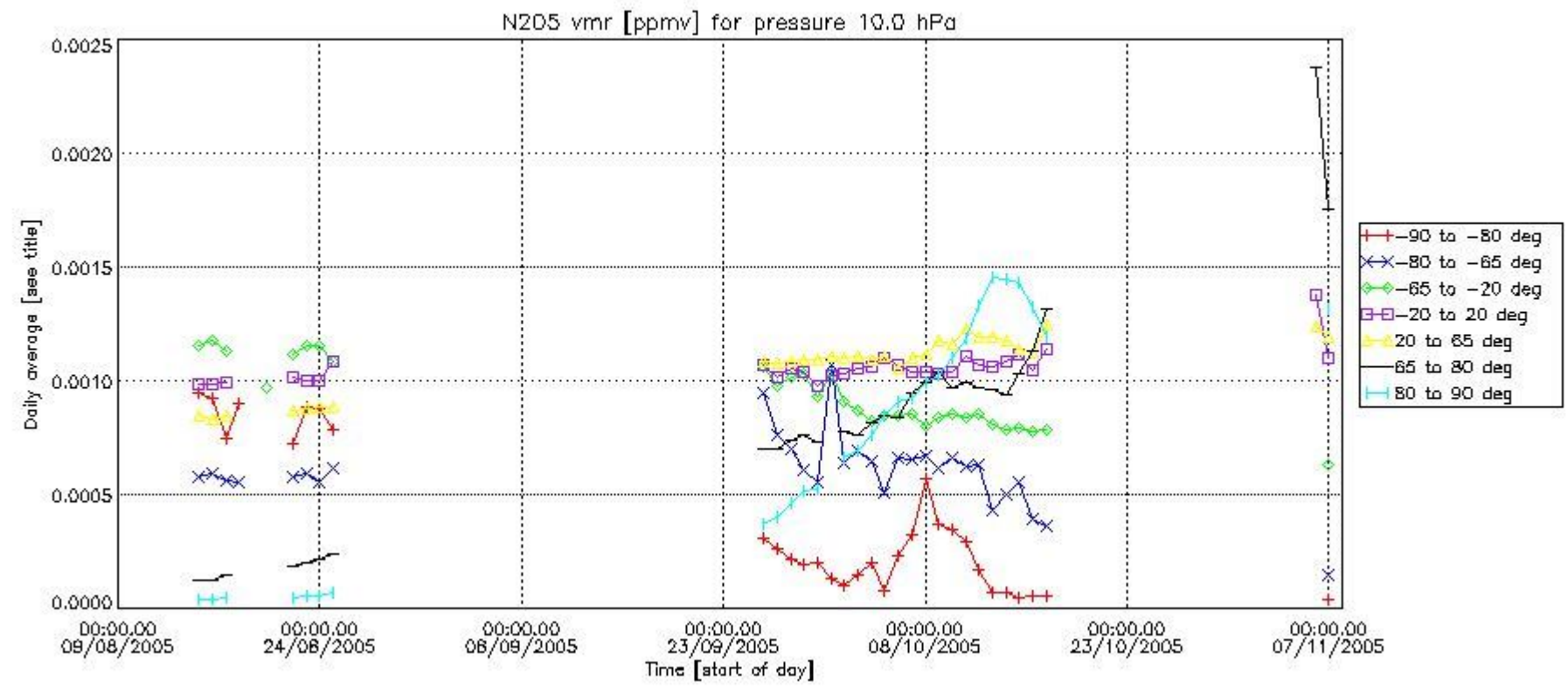


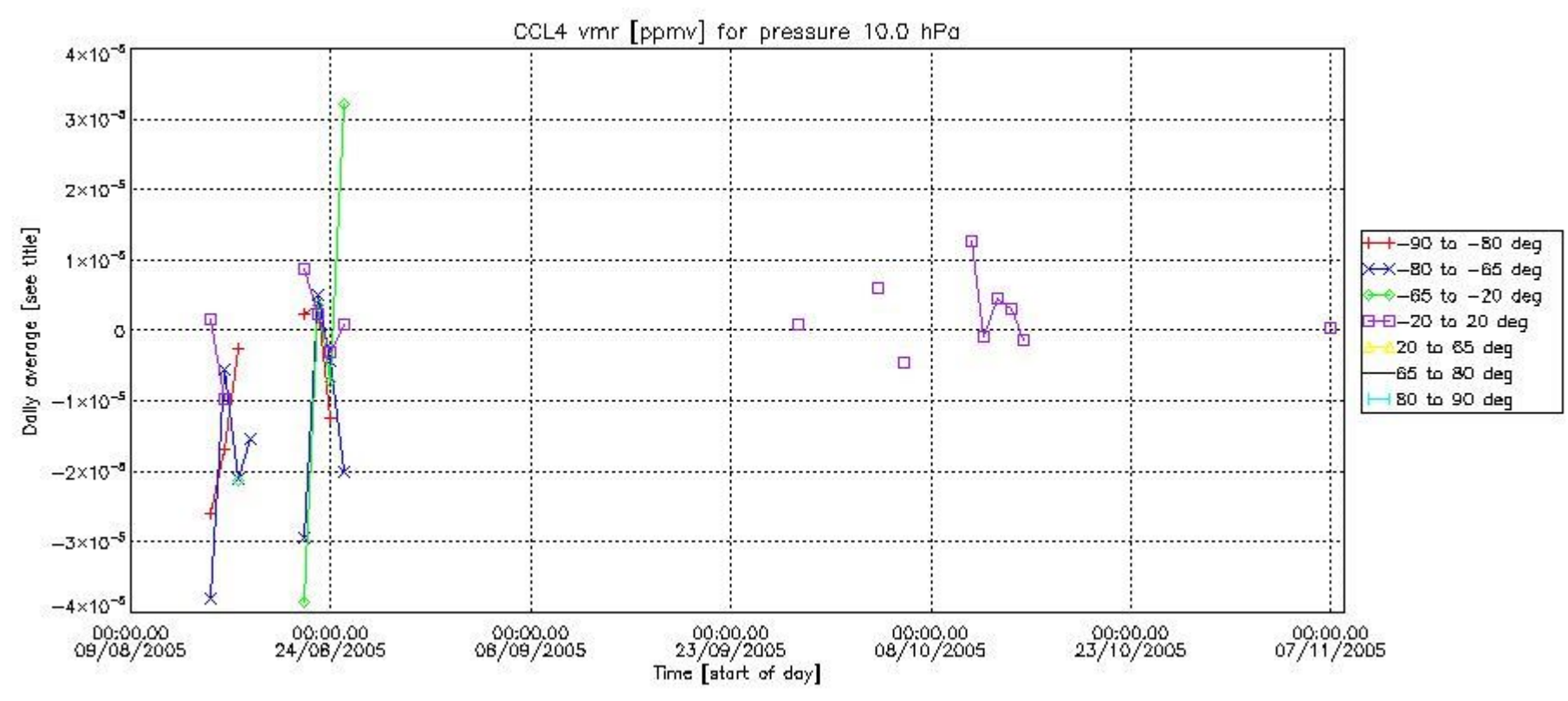
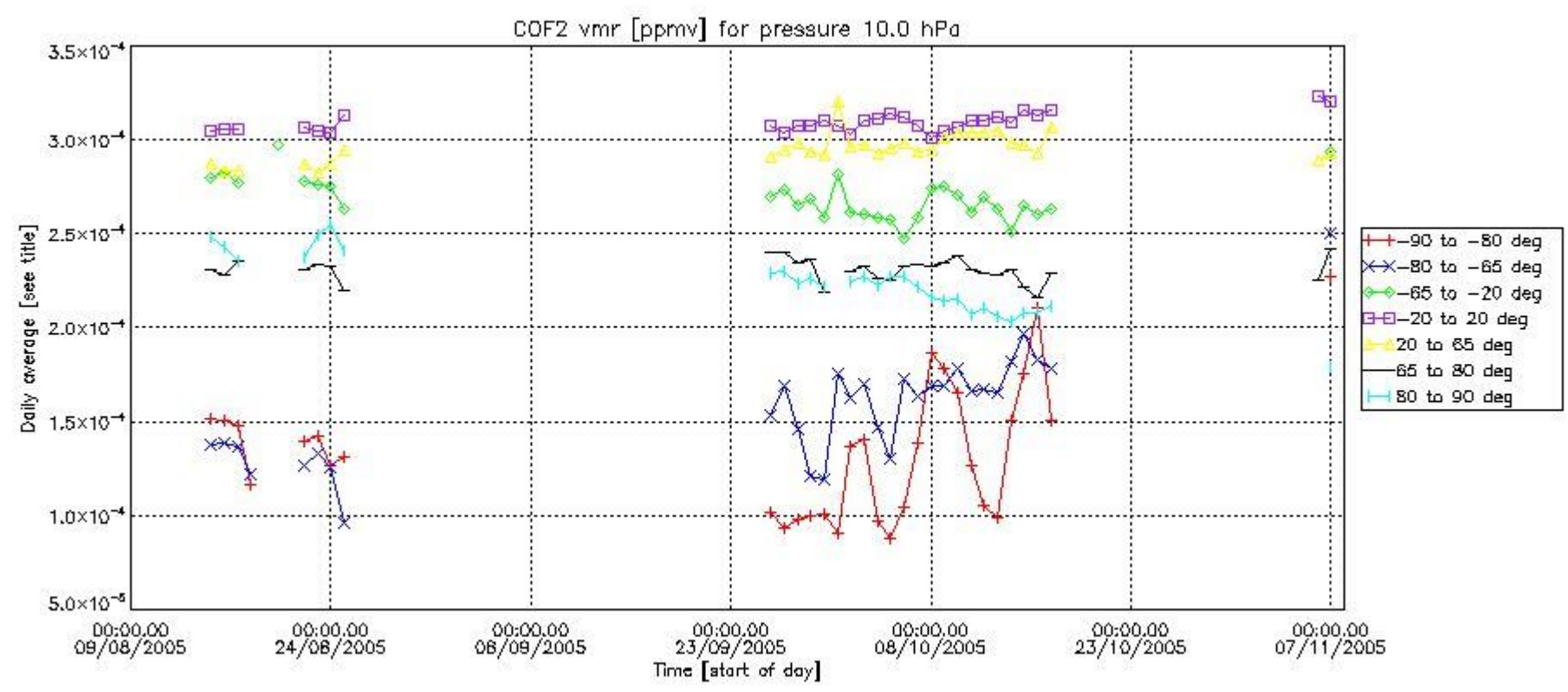


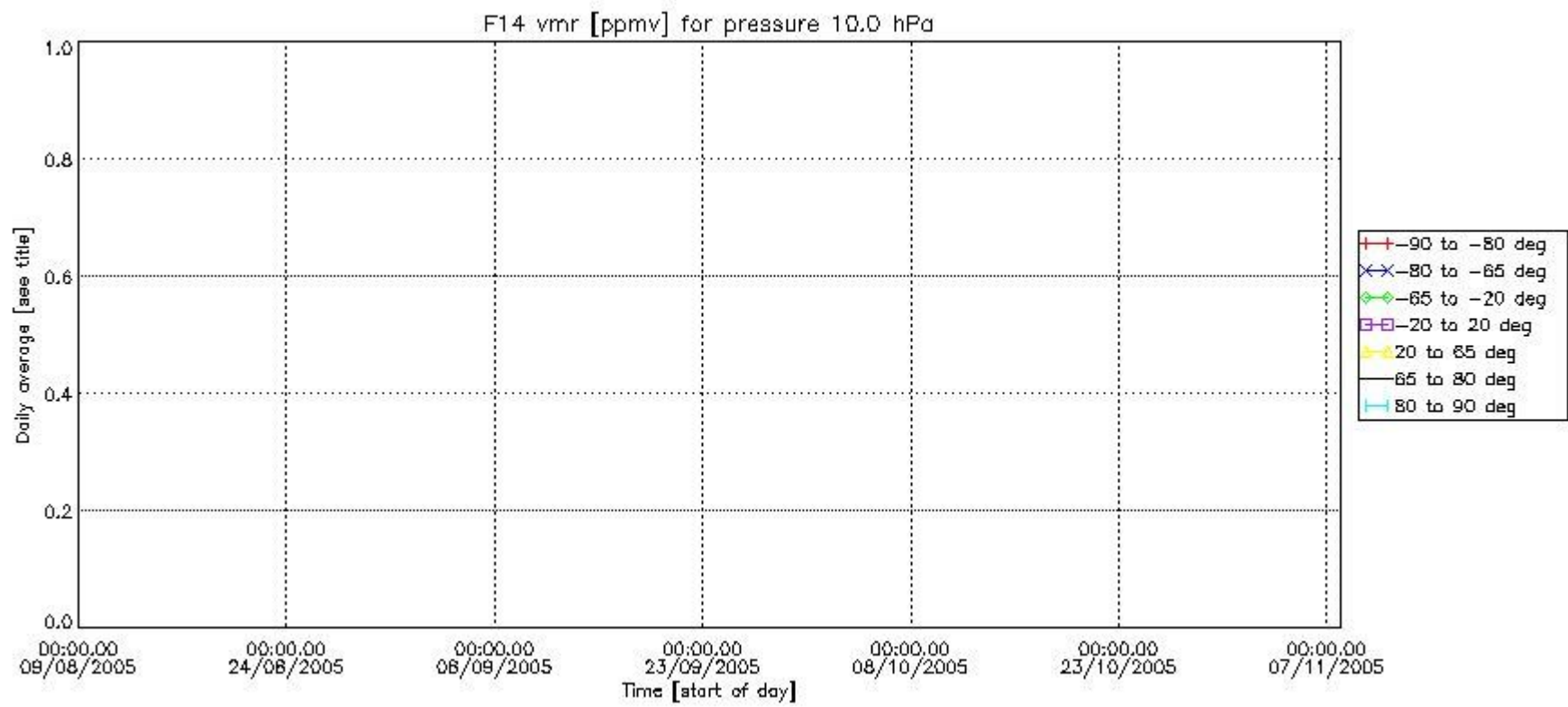
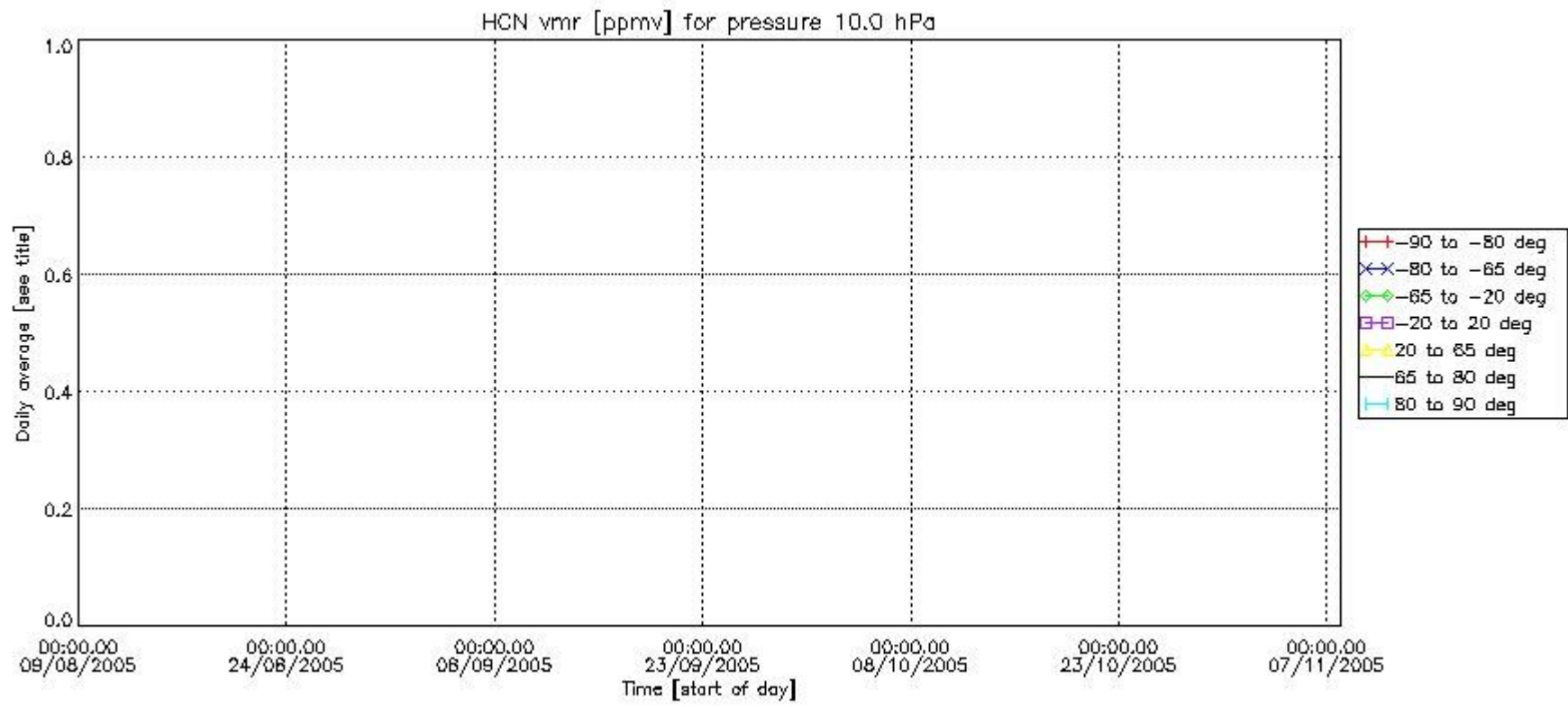


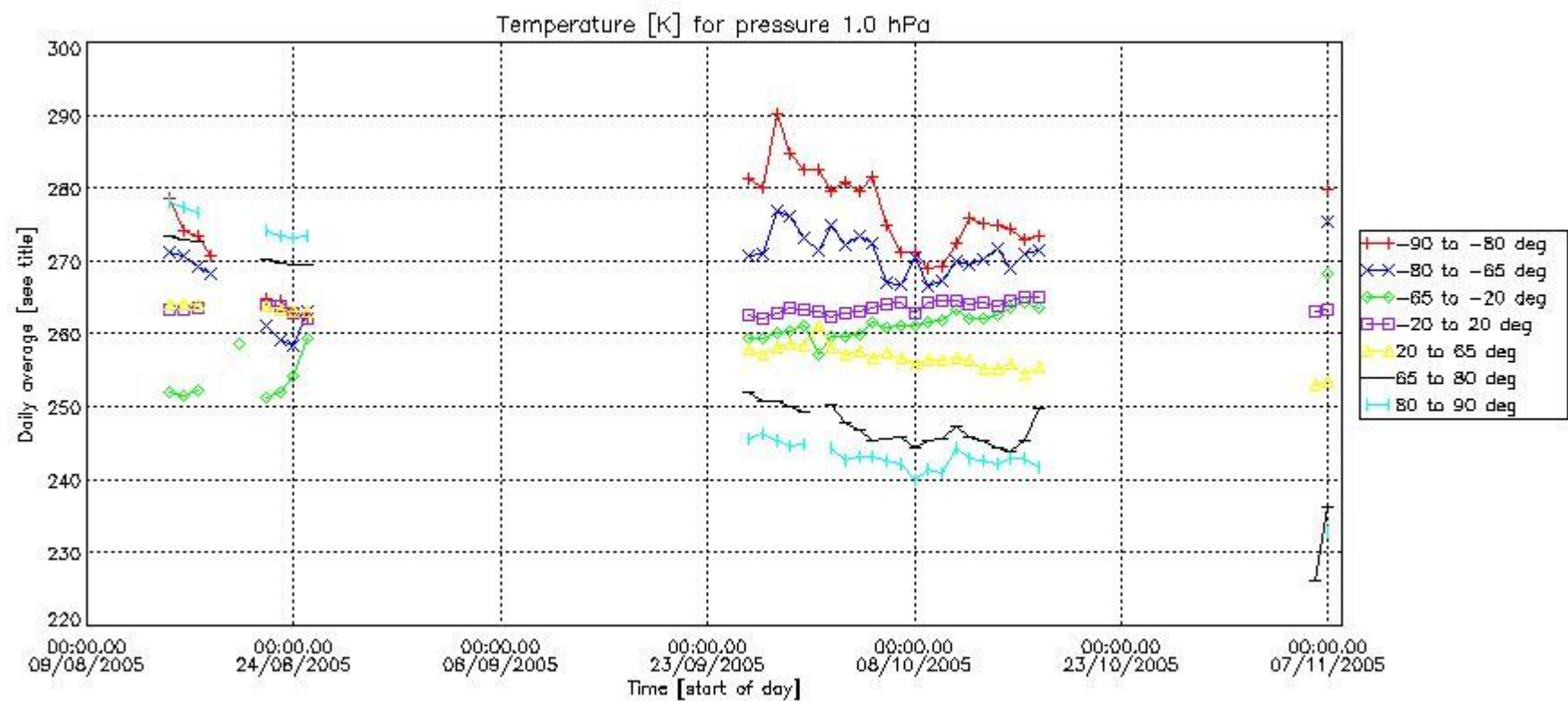
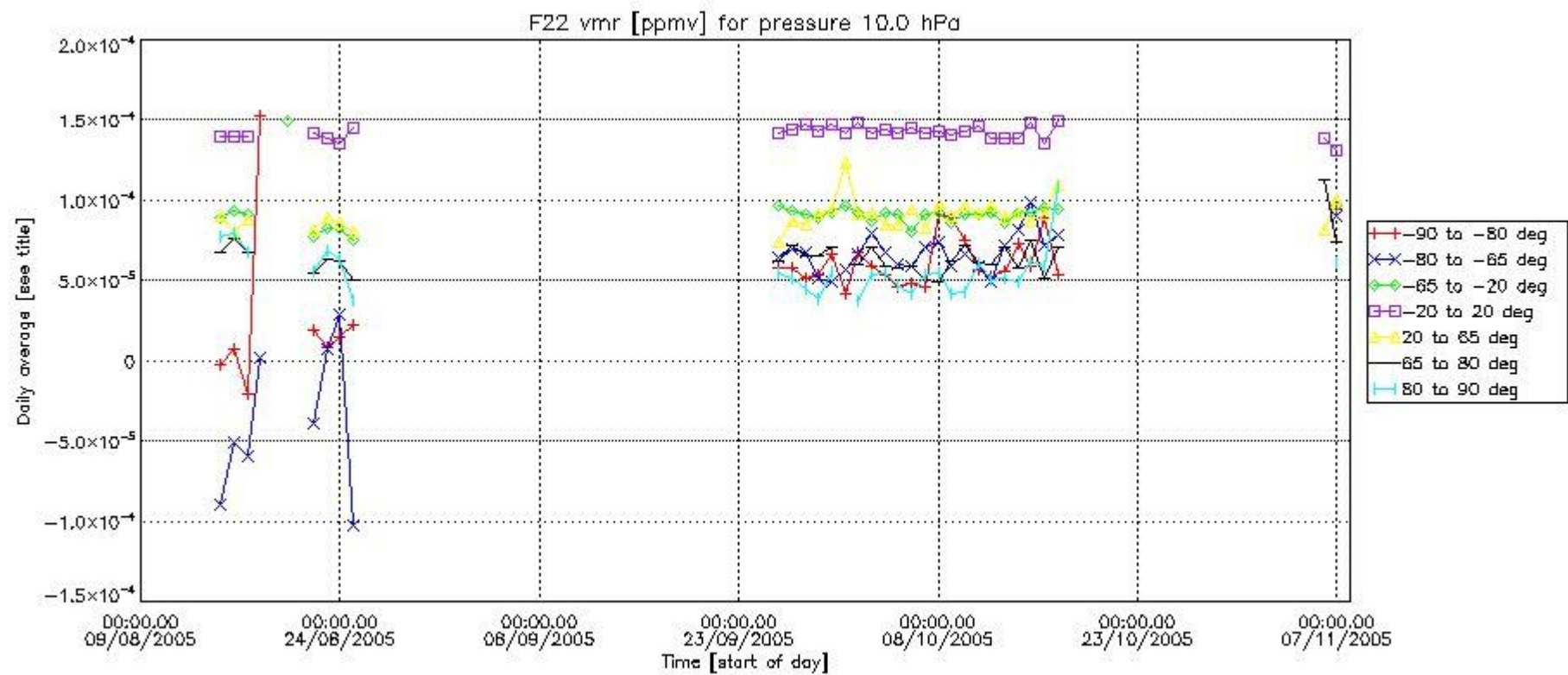


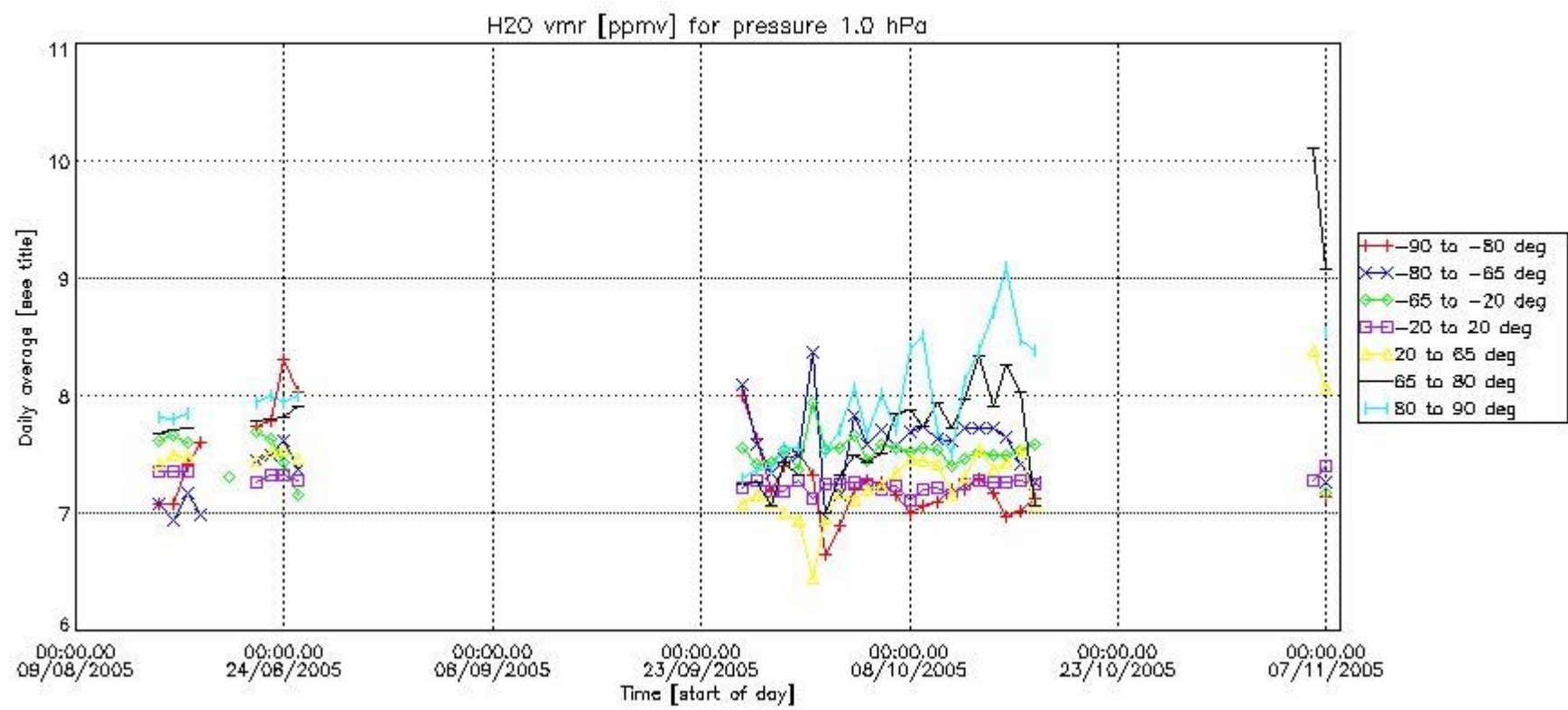
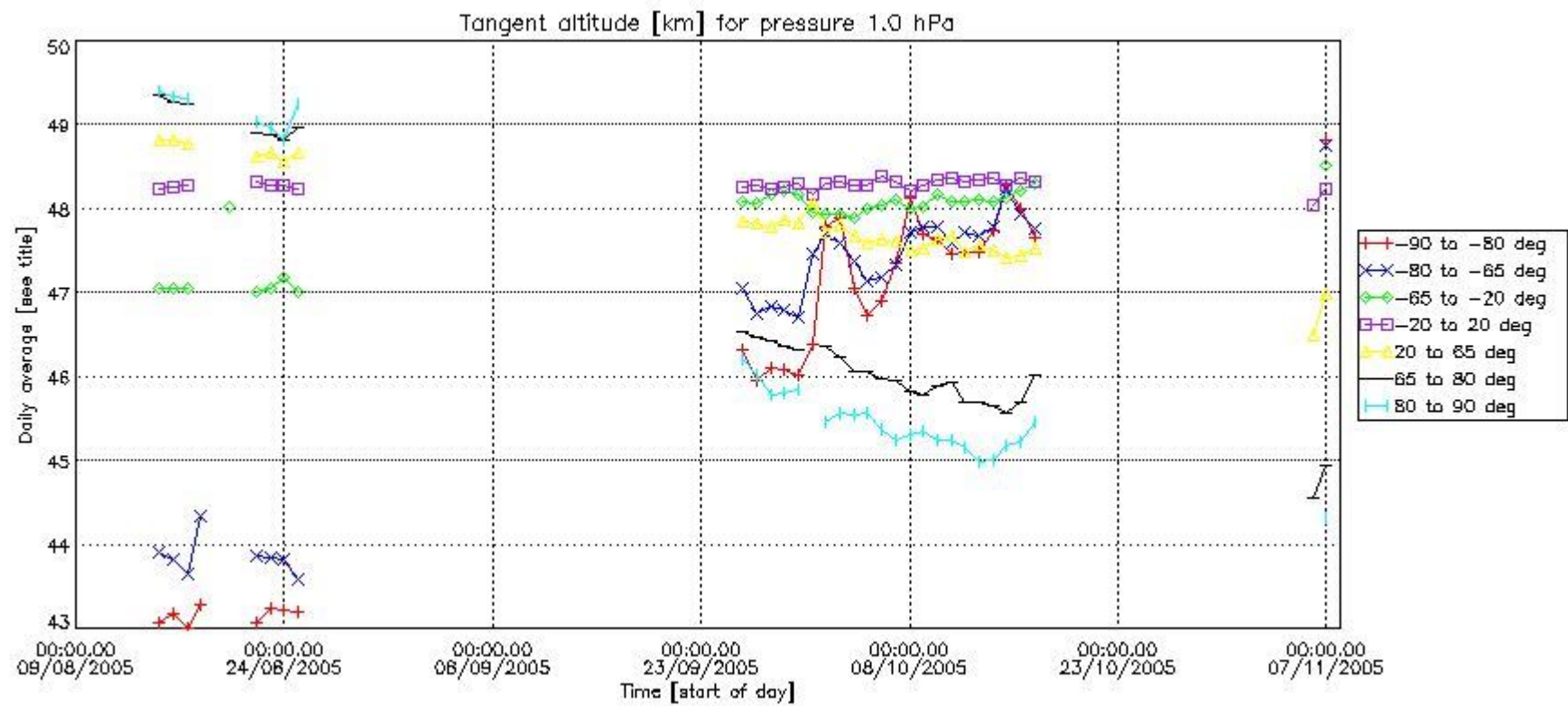


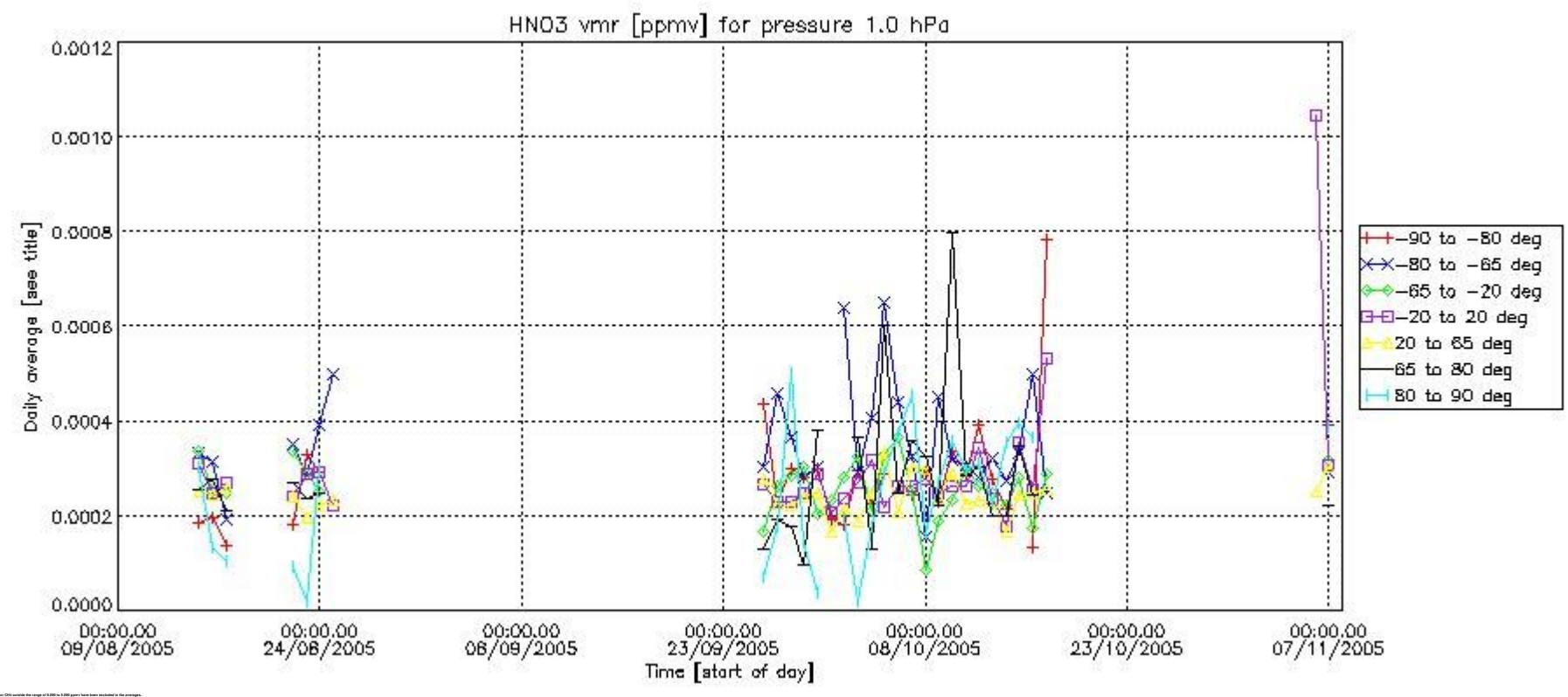
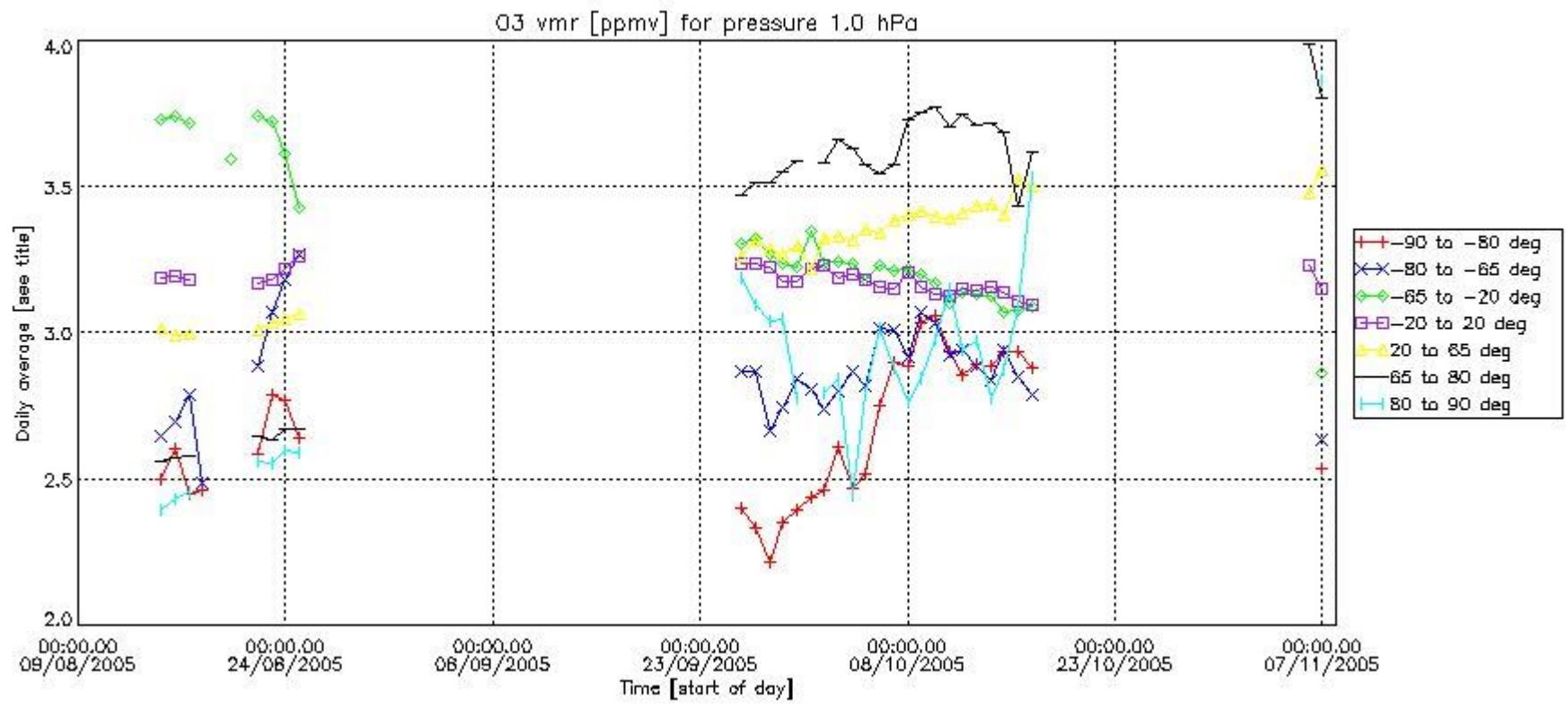


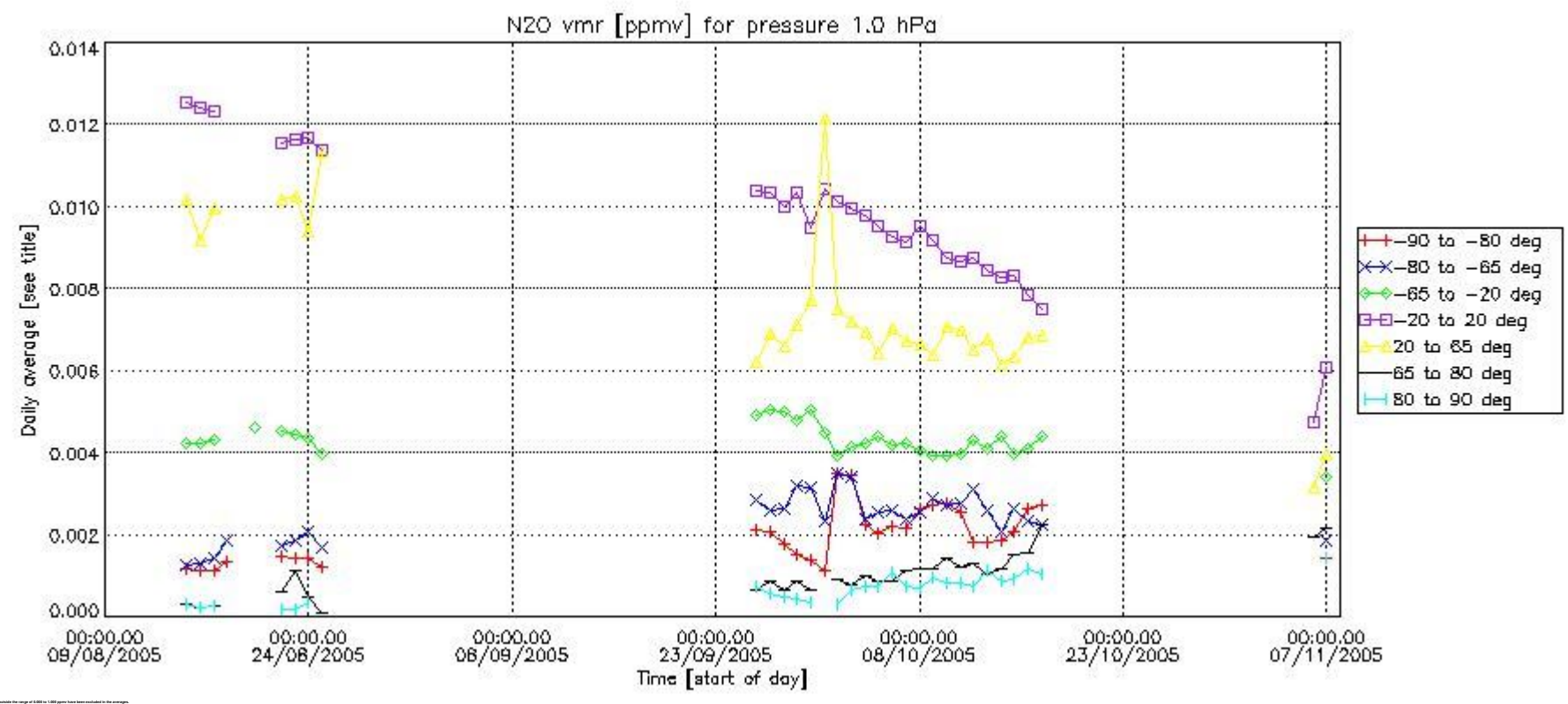
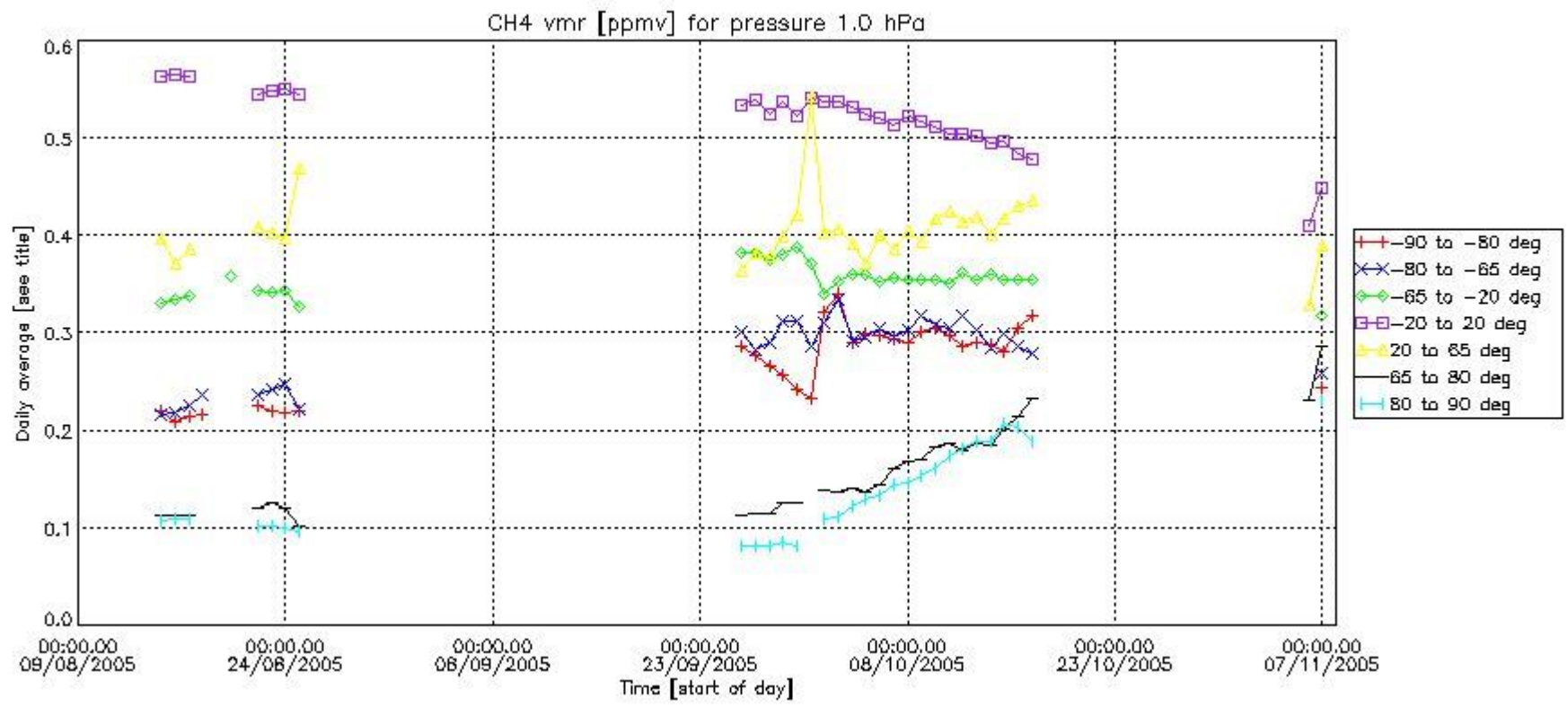


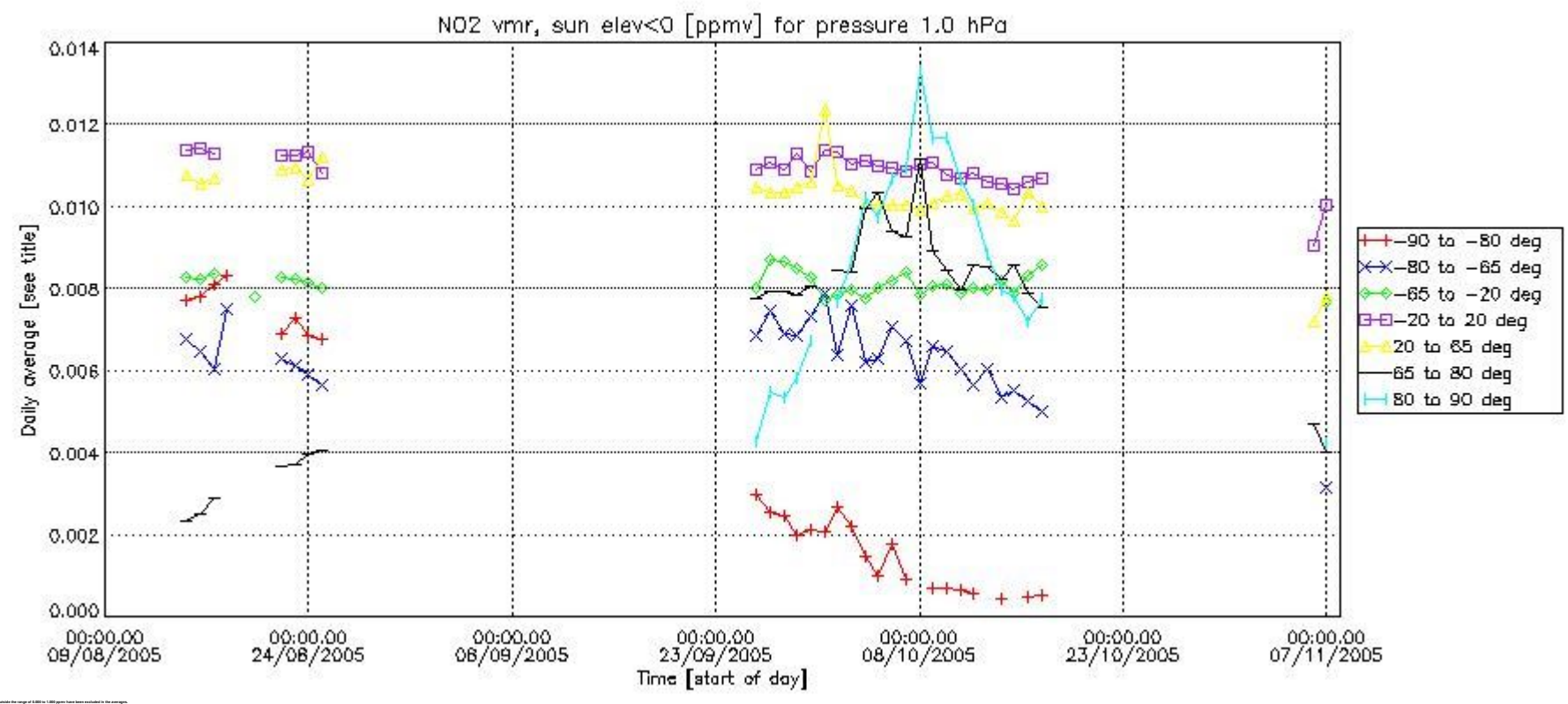
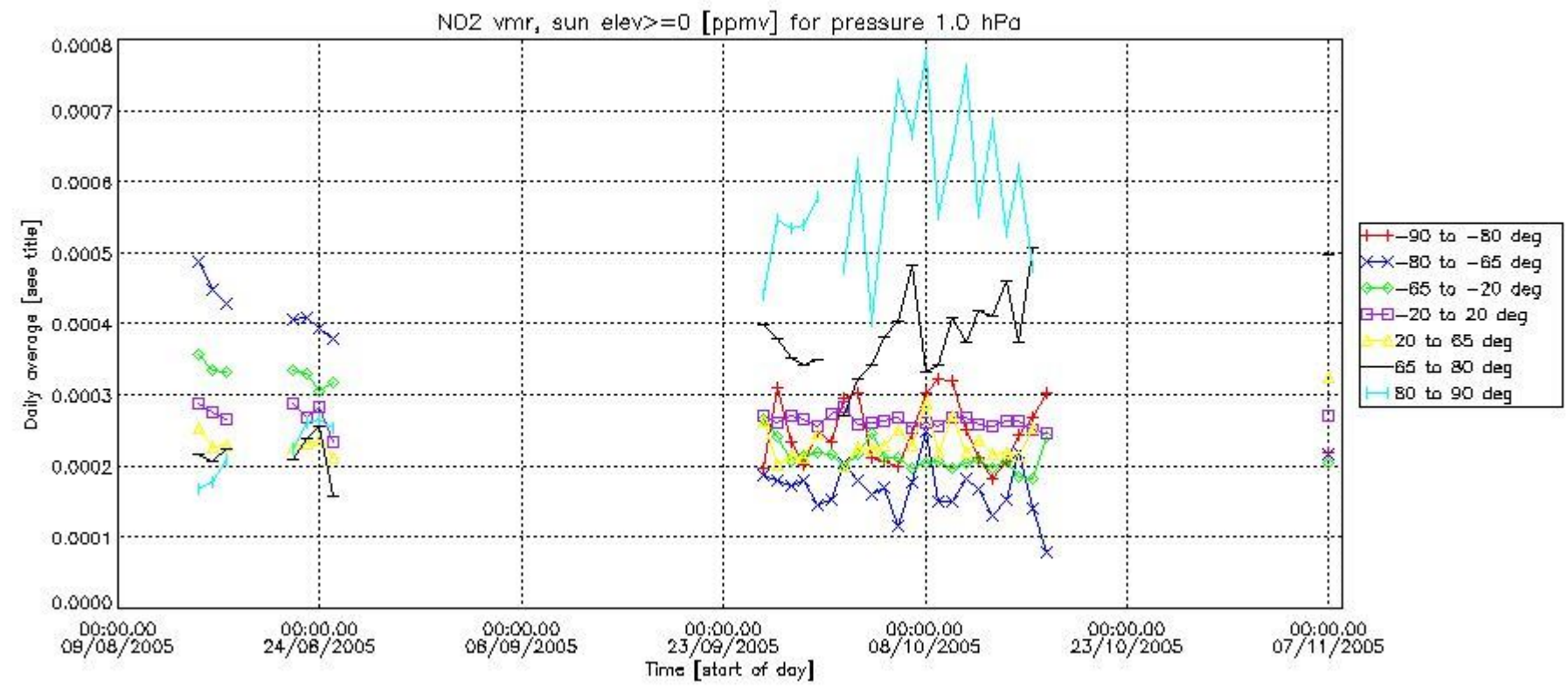




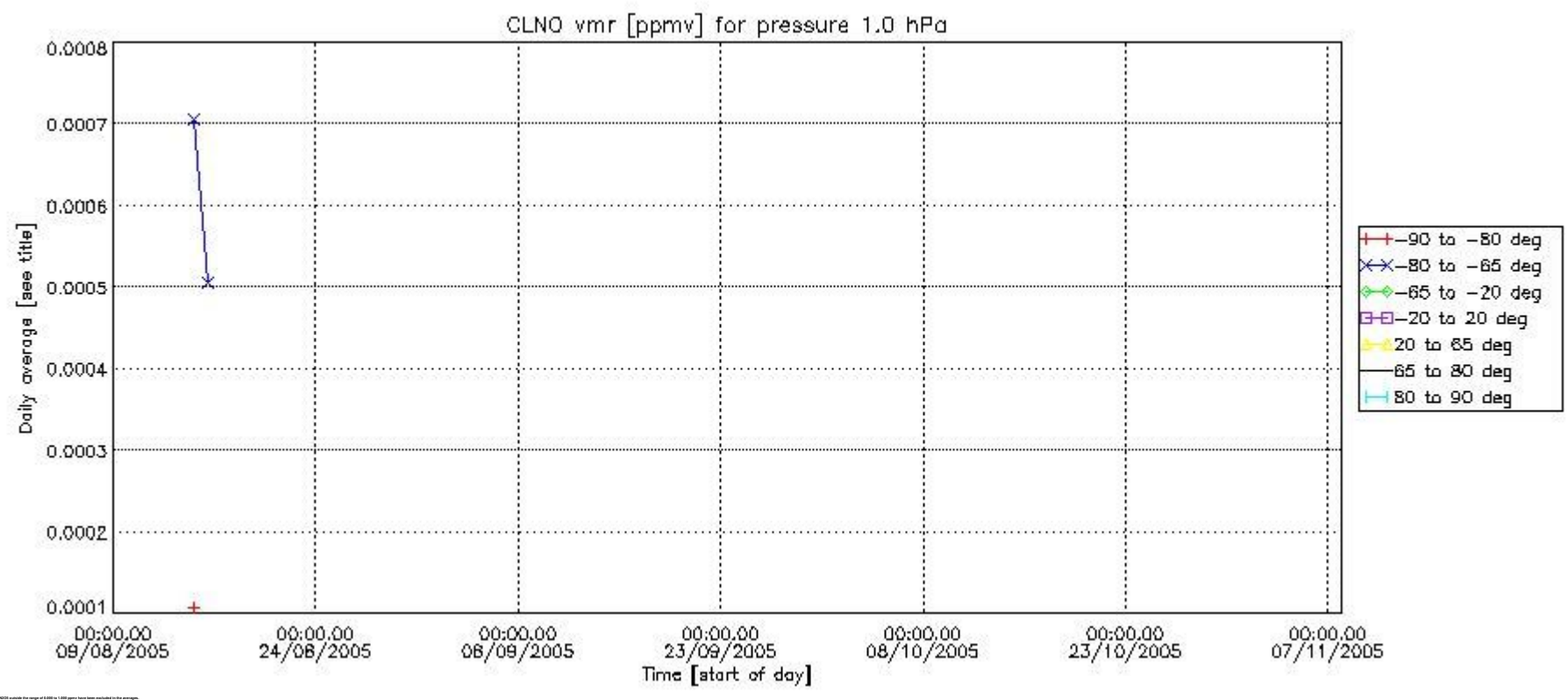
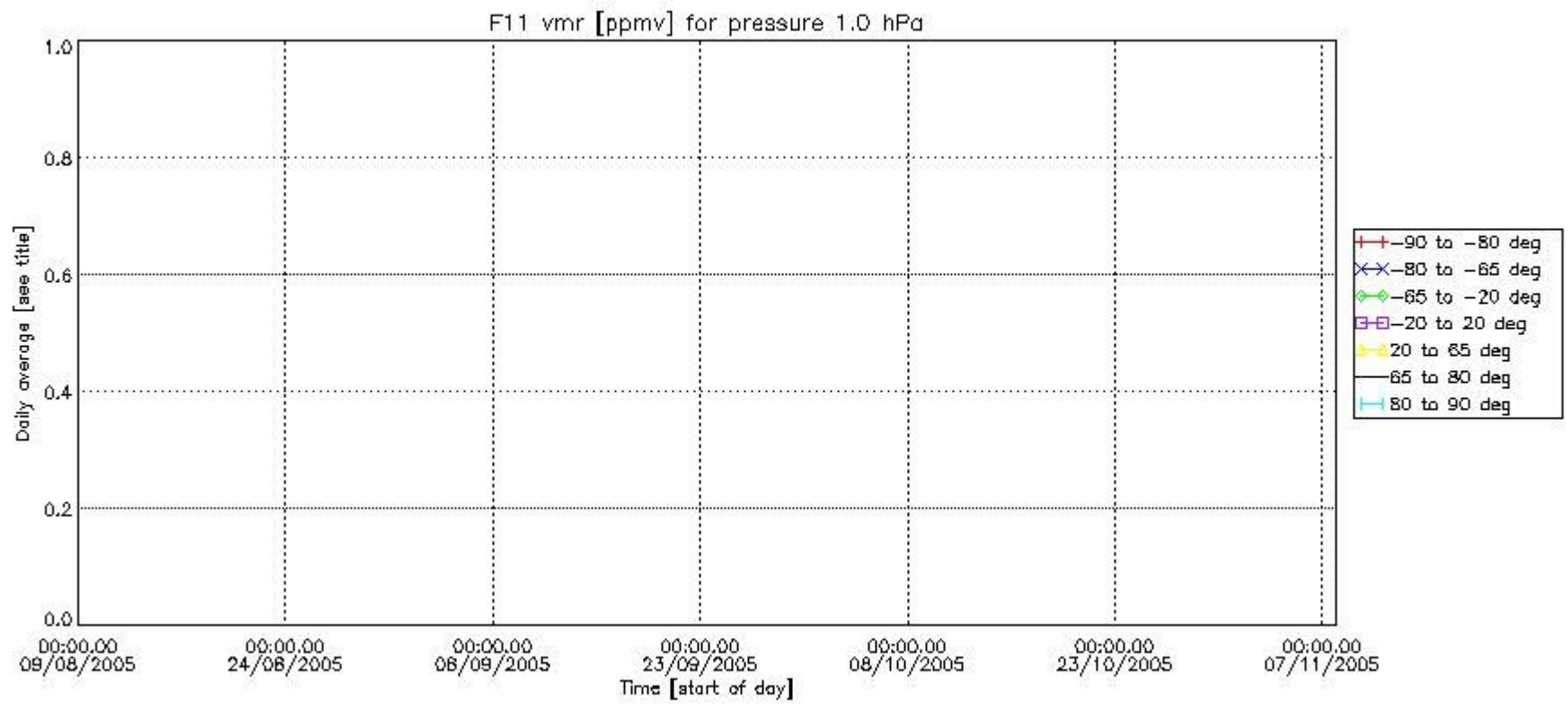


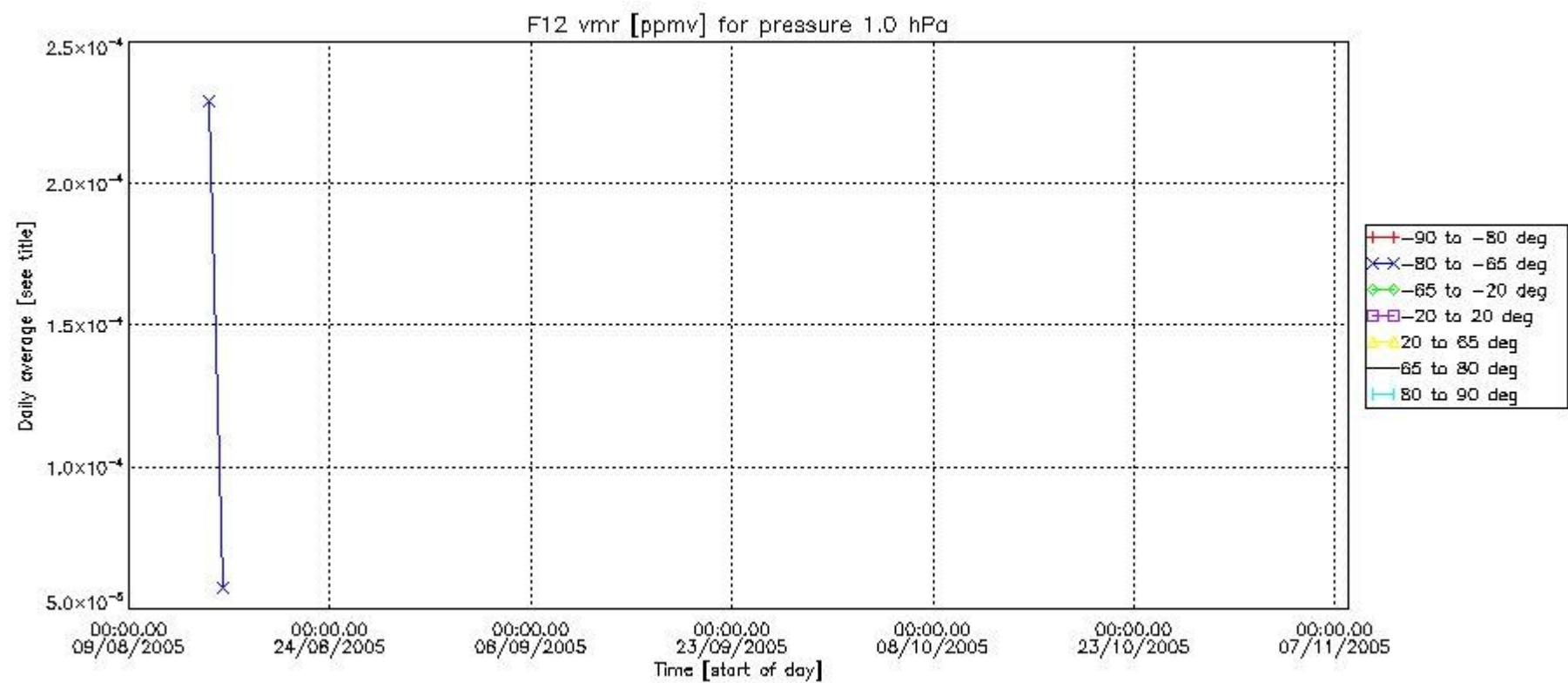
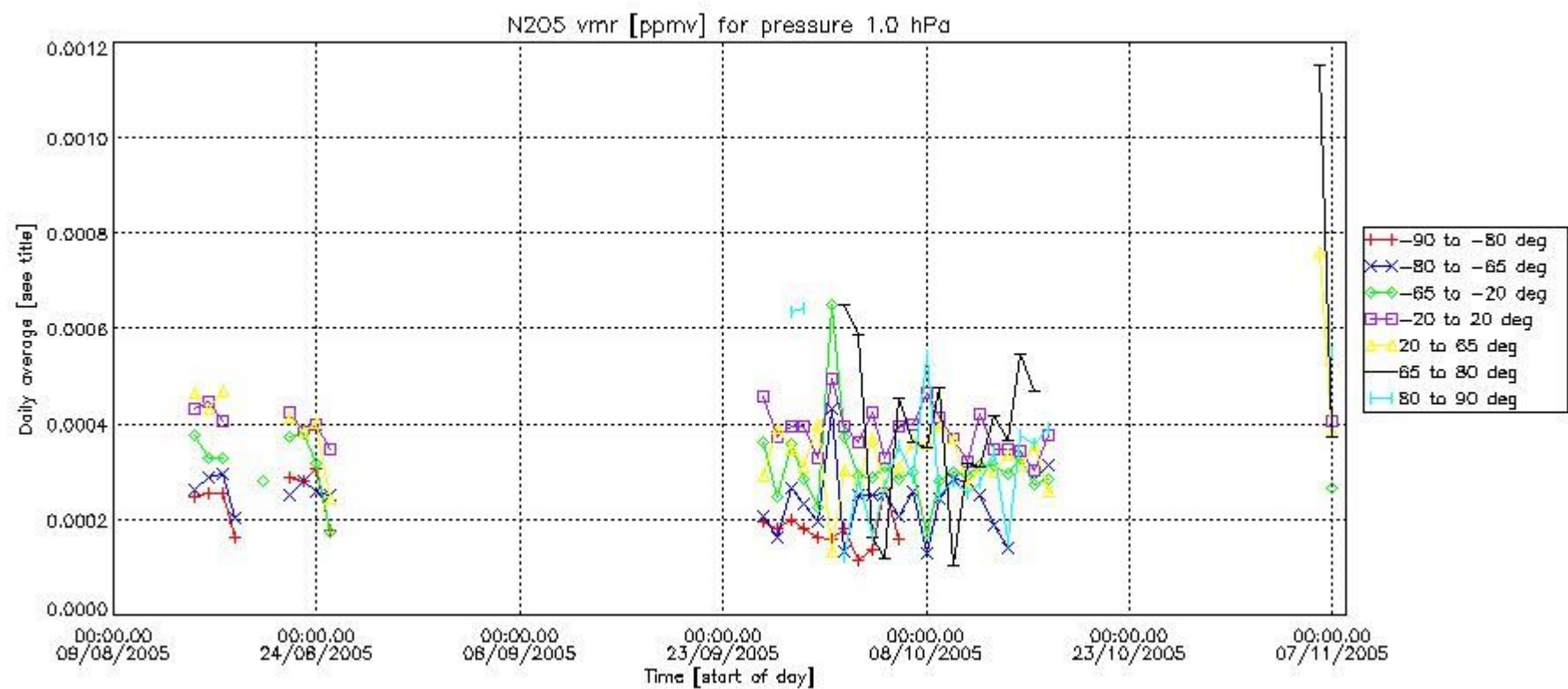


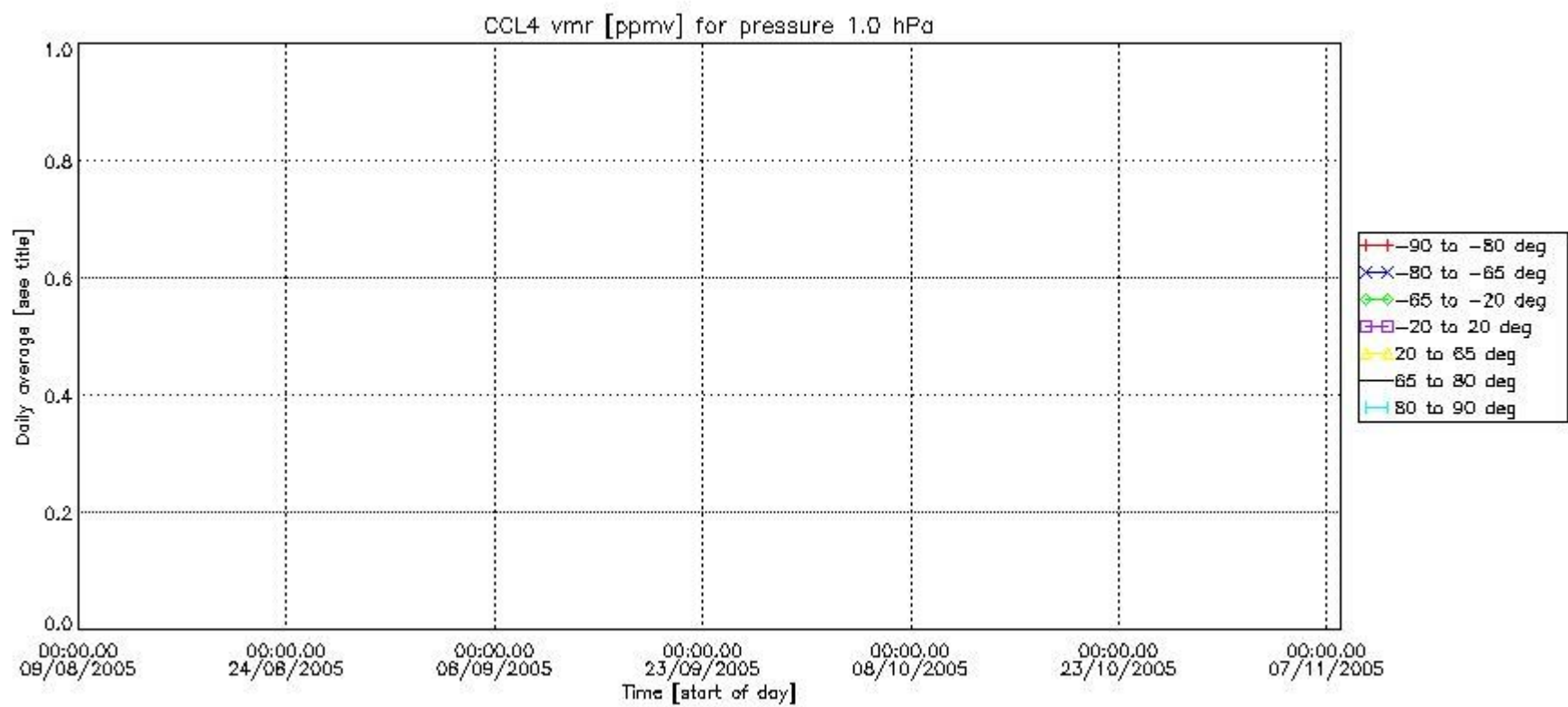
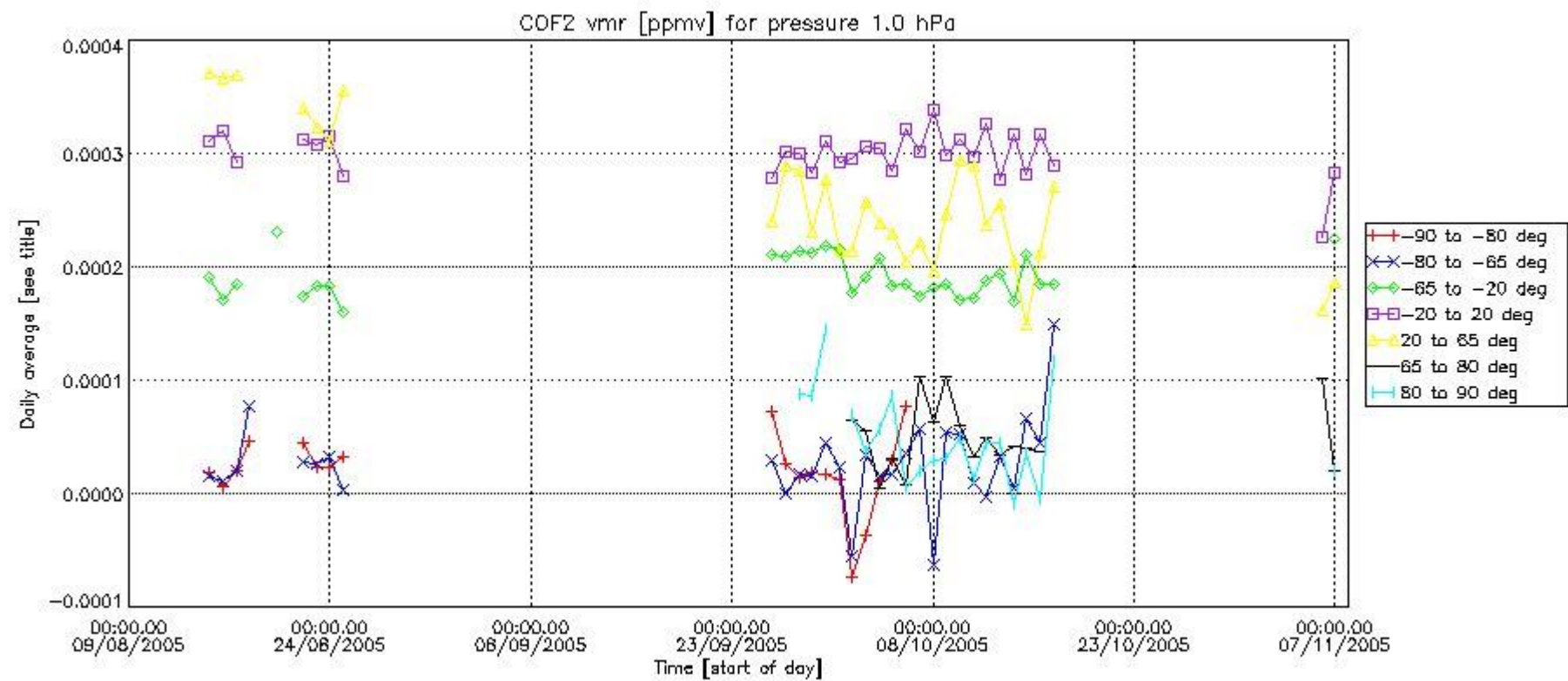


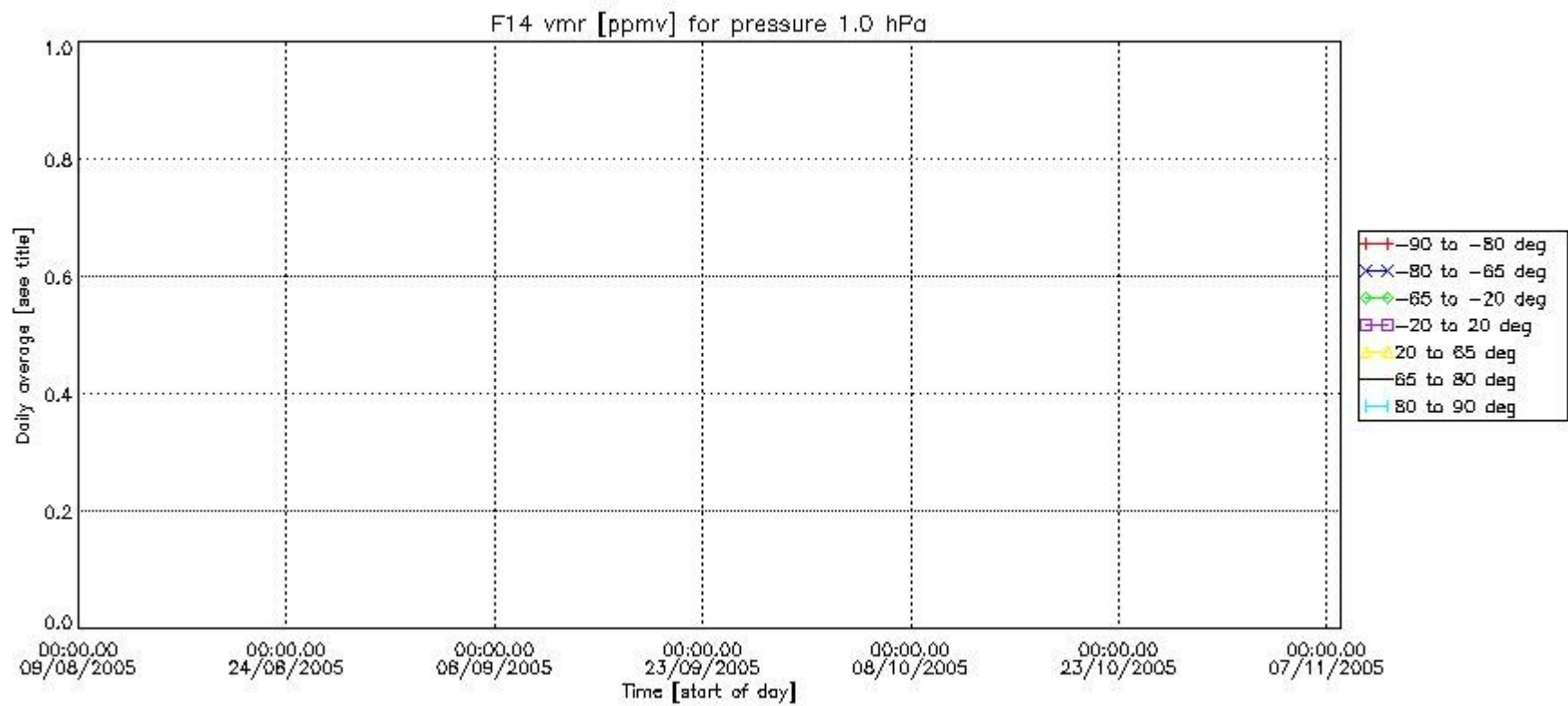
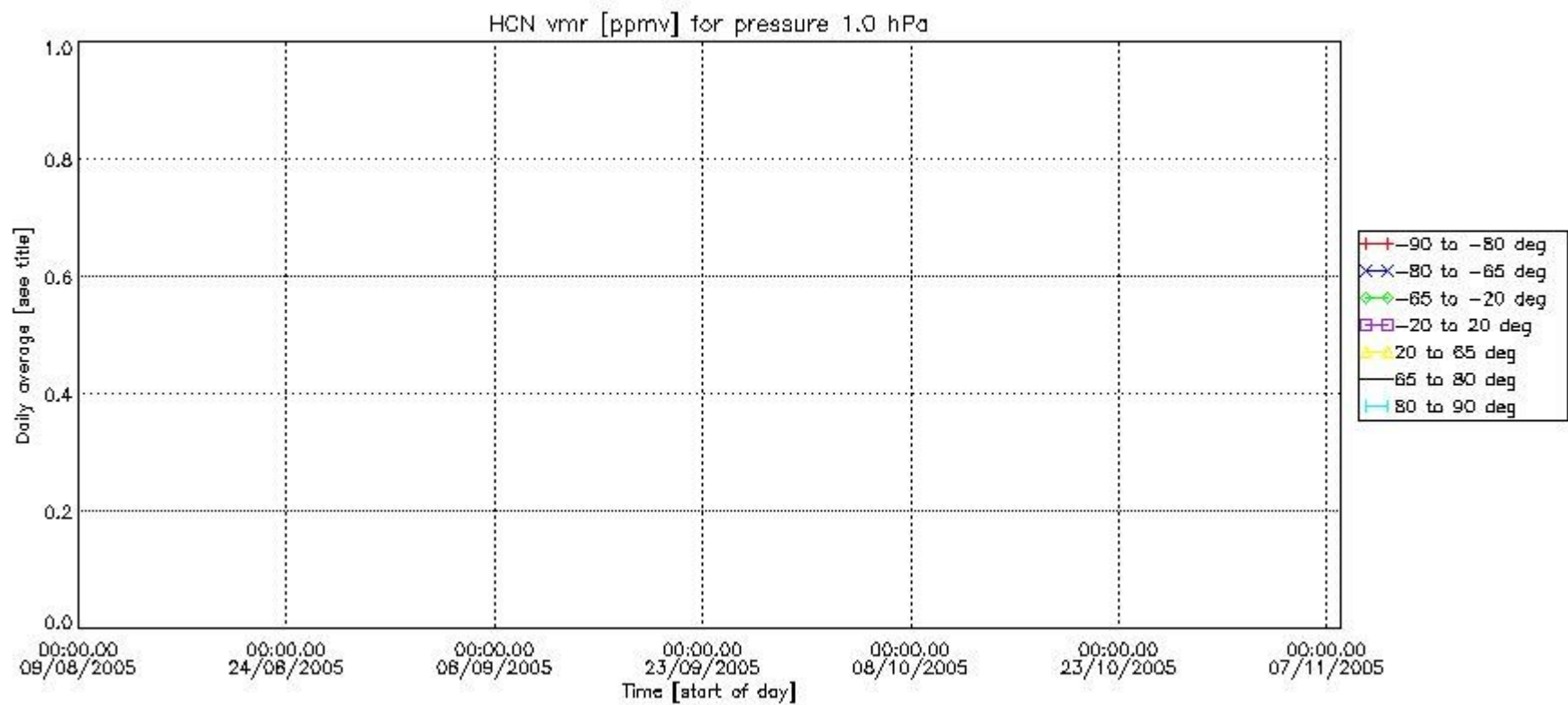


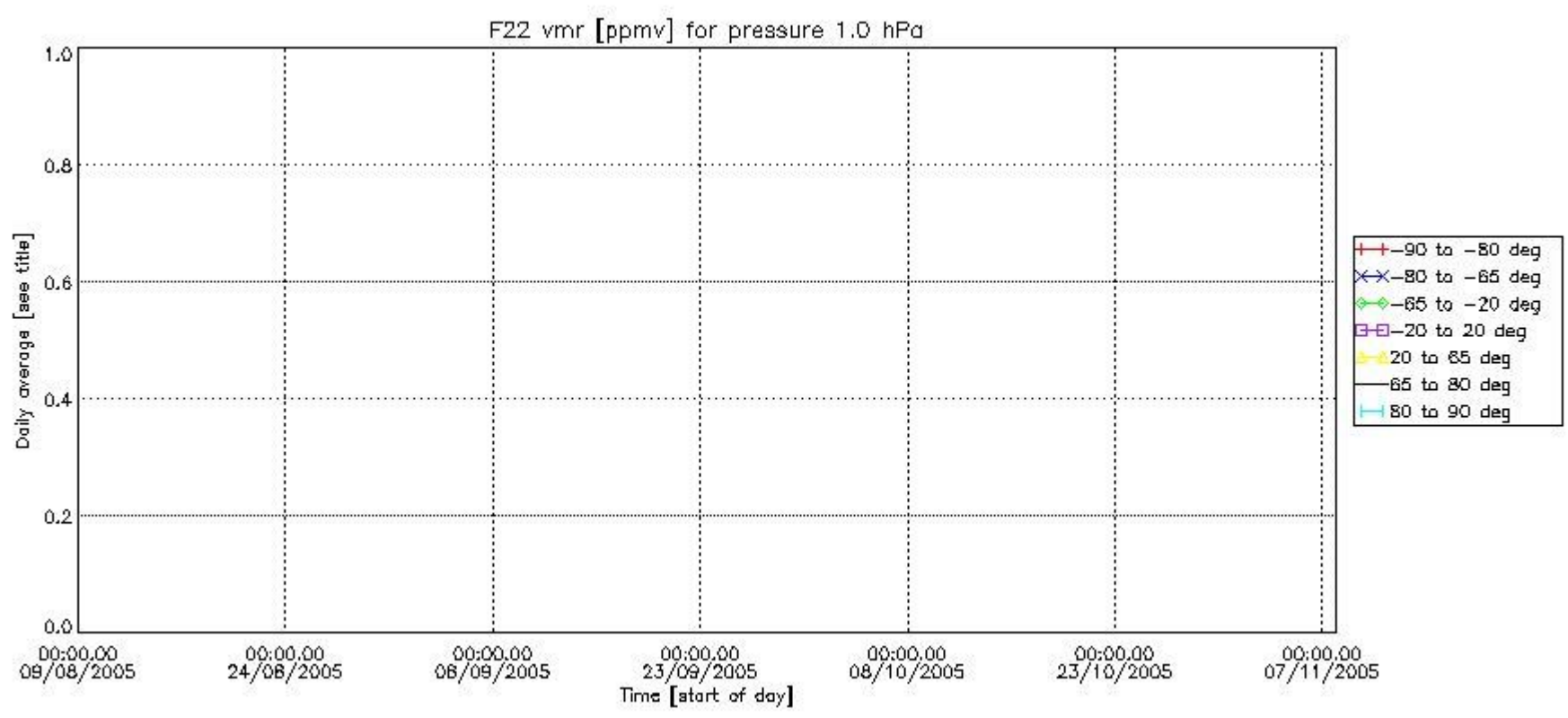












Number of successful retrievals vs. geolocation (\*=day side , triangle=night side).

