

2. MIPAS Daily Report for level 2 products summary report

(See [mipas_daily_report_level2_ML2PP_7_03_W_20050816.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 14:42:44 |
| Data source version | ML2PP/7.03-W |
| Processing scope for products | 16AUG2005 00:00:00 to 17AUG2005 00:00:00 |
| Start time of first product within scope | 15AUG2005 23:41:00 |
| Stop time of last product within scope | 17AUG2005 00:49:53 |
| 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.

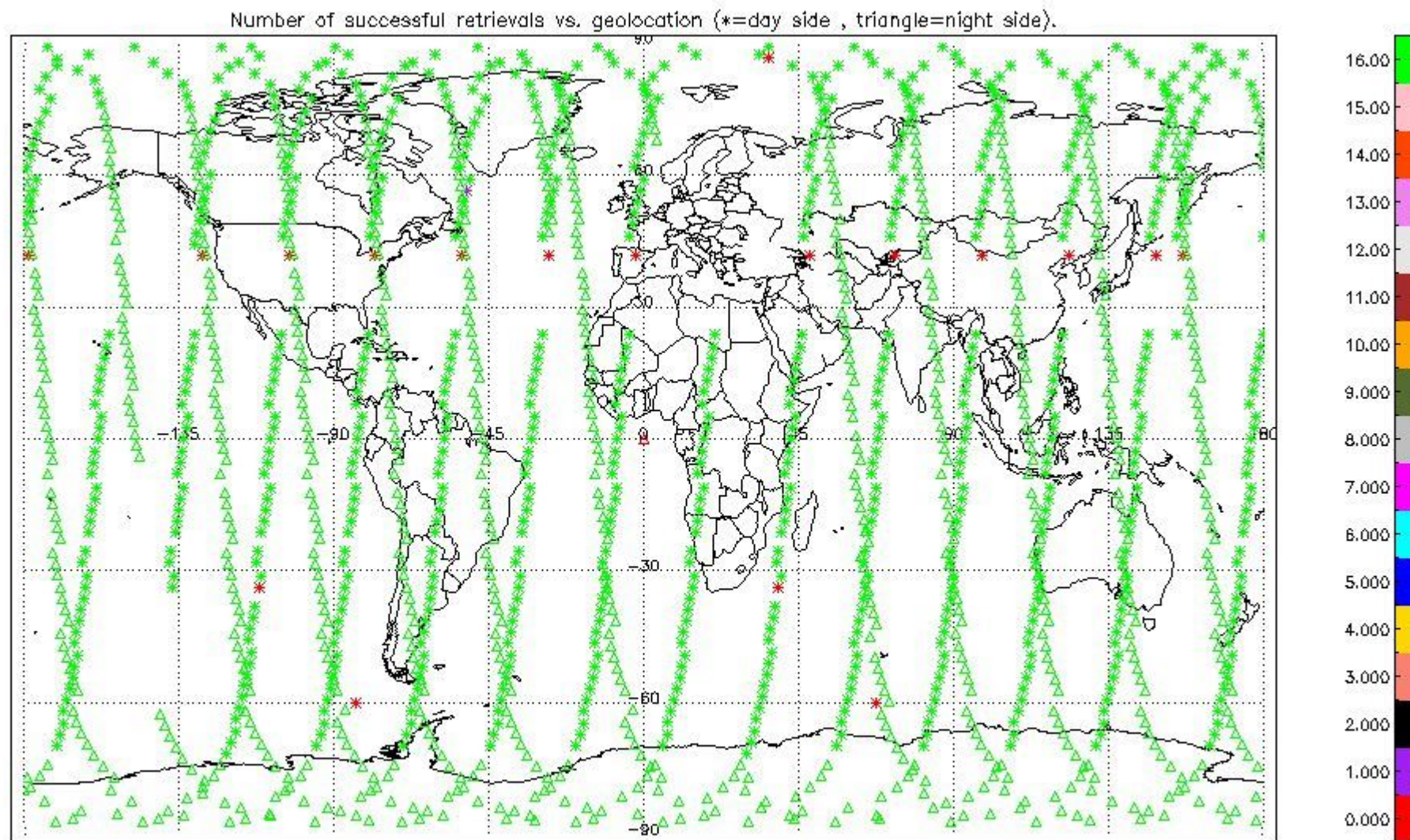
| # | Product name | Start time | Stop time | Prod err | Number of scans (tot/proc) | Quality summary warnings |
|----|--|--------------------|--------------------|----------|----------------------------|---|
| 0 | MIP_NL__2PWDSI20050815_234100_000060302040_00002_18092_1000.N1 | 15AUG2005 23:41:00 | 16AUG2005 01:21:30 | 0 | 128/128 | |
| 1 | MIP_NL__2PWDSI20050816_012136_000060302040_00003_18093_1000.N1 | 16AUG2005 01:21:36 | 16AUG2005 03:02:06 | 0 | 128/128 | VMR_TERM_MACRO_MICRO[HCN/macro:4; HCN/micro:3; F14/micro:1] |
| 2 | MIP_NL__2PWDSI20050816_030212_000060302040_00004_18094_1000.N1 | 16AUG2005 03:02:12 | 16AUG2005 04:42:42 | 0 | 128/128 | VMR_TERM_MACRO_MICRO[HCN/macro:2; F14/macro:1; HCN/micro:2] |
| 3 | MIP_NL__2PWDSI20050816_044248_000060302040_00005_18095_1000.N1 | 16AUG2005 04:42:48 | 16AUG2005 06:23:18 | 0 | 128/128 | VMR_TERM_MACRO_MICRO[CH4/macro:1; HCN/micro:1] |
| 4 | MIP_NL__2PWDSI20050816_062324_000054182040_00006_18096_1000.N1 | 16AUG2005 06:23:24 | 16AUG2005 07:53:42 | 0 | 115/114 | VMR_TERM_MACRO_MICRO[CLNO/micro:1; HCN/micro:2] |
| 5 | MIP_NL__2PWDSI20050816_080906_000057242040_00007_18097_1000.N1 | 16AUG2005 08:09:06 | 16AUG2005 09:44:30 | 0 | 105/105 | VMR_TERM_MACRO_MICRO[HCN/micro:5; F14/micro:1] |
| 6 | MIP_NL__2PWDSI20050816_094436_000060302040_00008_18098_1000.N1 | 16AUG2005 09:44:36 | 16AUG2005 11:25:06 | 0 | 128/128 | VMR_TERM_MACRO_MICRO[HCN/macro:1; F14/macro:2] |
| 7 | MIP_NL__2PWDSI20050816_112512_000060302040_00009_18099_1000.N1 | 16AUG2005 11:25:12 | 16AUG2005 13:05:41 | 0 | 128/128 | VMR_TERM_MACRO_MICRO[HCN/macro:3] |
| 8 | MIP_NL__2PWDSI20050816_130548_000060302040_00010_18100_1000.N1 | 16AUG2005 13:05:48 | 16AUG2005 14:46:17 | 0 | 128/128 | P_T_TERM_MACRO_MICRO[micro:1], VMR_TERM_MACRO_MICRO[HCN/macro:1; HCN/micro:1] |
| 9 | MIP_NL__2PWDSI20050816_144624_000060302040_00011_18101_1000.N1 | 16AUG2005 14:46:24 | 16AUG2005 16:26:53 | 0 | 128/128 | VMR_TERM_MACRO_MICRO[F14/macro:1; H2O/micro:1; CLNO/micro:1; HCN/micro:1] |
| 10 | MIP_NL__2PWDSI20050816_162700_000060172040_00012_18102_1000.N1 | 16AUG2005 16:27:00 | 16AUG2005 18:07:17 | 0 | 128/127 | VMR_TERM_MACRO_MICRO[HCN/micro:1] |
| 11 | MIP_NL__2PWDSI20050816_180723_000040092040_00013_18103_1000.N1 | 16AUG2005 18:07:23 | 16AUG2005 19:14:12 | 0 | 84/84 | |
| 12 | MIP_NL__2PWDSI20050816_203819_000021592040_00014_18104_1000.N1 | 16AUG2005 20:38:19 | 16AUG2005 21:14:18 | 0 | 48/48 | |
| 13 | MIP_NL__2PWDSI20050816_215354_000044792040_00015_18105_1000.N1 | 16AUG2005 21:53:54 | 16AUG2005 23:08:33 | 0 | 94/94 | VMR_TERM_MACRO_MICRO[HCN/macro:1; HCN/micro:2] |
| 14 | MIP_NL__2PWDSI20050816_230923_000060302040_00016_18106_1000.N1 | 16AUG2005 23:09:23 | 17AUG2005 00:49:53 | 0 | 127/127 | VMR_TERM_MACRO_MICRO[CLNO/micro:1] |

2.2 Processing performance indicators

2.2.1 Successful retrievals

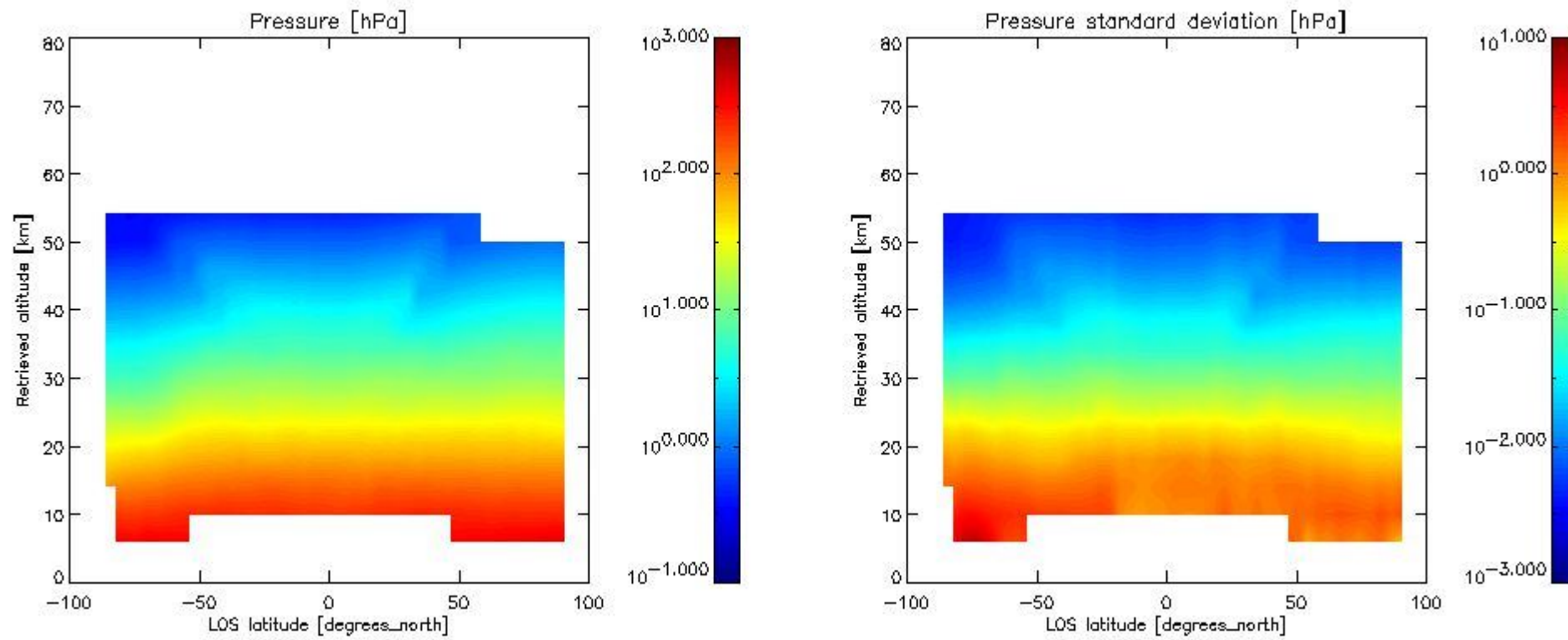
This section includes a table with statistics on the number of retrievals, as well as a worldmap plot that shows successful retrievals.

| RETRIEVAL MDS | # scans processed | # Successful retrievals | % |
|---------------|-------------------|-------------------------|--------|
| PT | 1723 | 1603 | 93.035 |
| H2O | 1723 | 1602 | 92.977 |
| O3 | 1723 | 1602 | 92.977 |
| HNO3 | 1723 | 1602 | 92.977 |
| CH4 | 1723 | 1602 | 92.977 |
| N2O | 1723 | 1602 | 92.977 |
| NO2 | 1723 | 1602 | 92.977 |
| F11 | 1723 | 1602 | 92.977 |
| CLNO | 1723 | 1602 | 92.977 |
| N2O5 | 1723 | 1602 | 92.977 |
| F12 | 1723 | 1602 | 92.977 |
| COF2 | 1723 | 1602 | 92.977 |
| CCL4 | 1723 | 1602 | 92.977 |
| HCN | 1723 | 1602 | 92.977 |
| F14 | 1723 | 1602 | 92.977 |
| F22 | 1723 | 1602 | 92.977 |



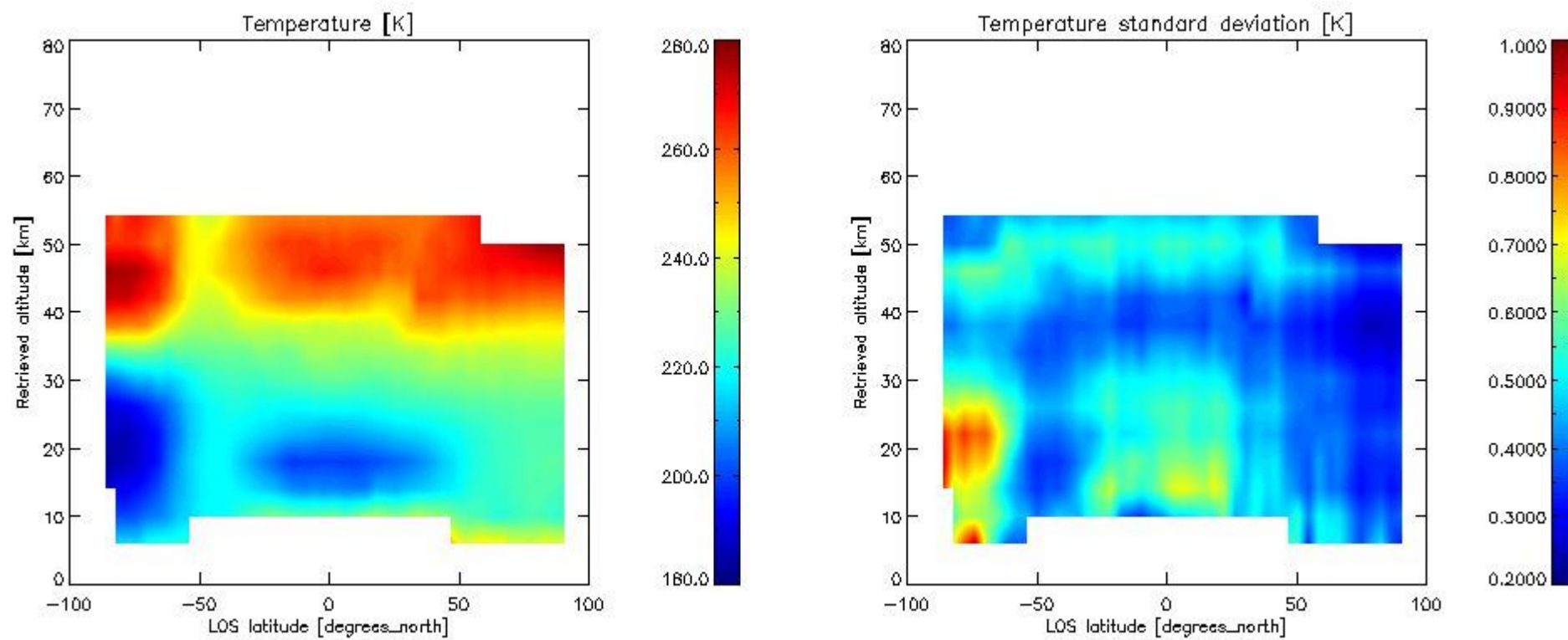
2.2.2 Pressure overview

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



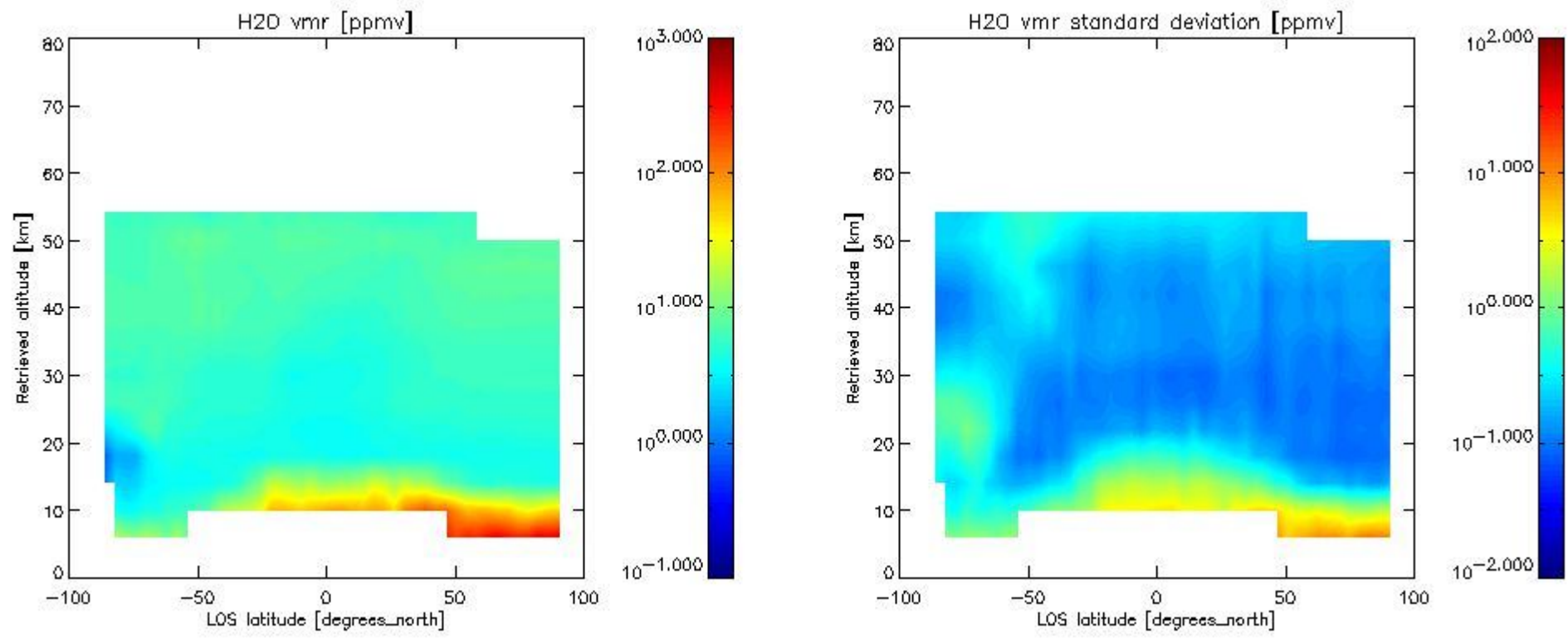
2.2.3 Temperature overview

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

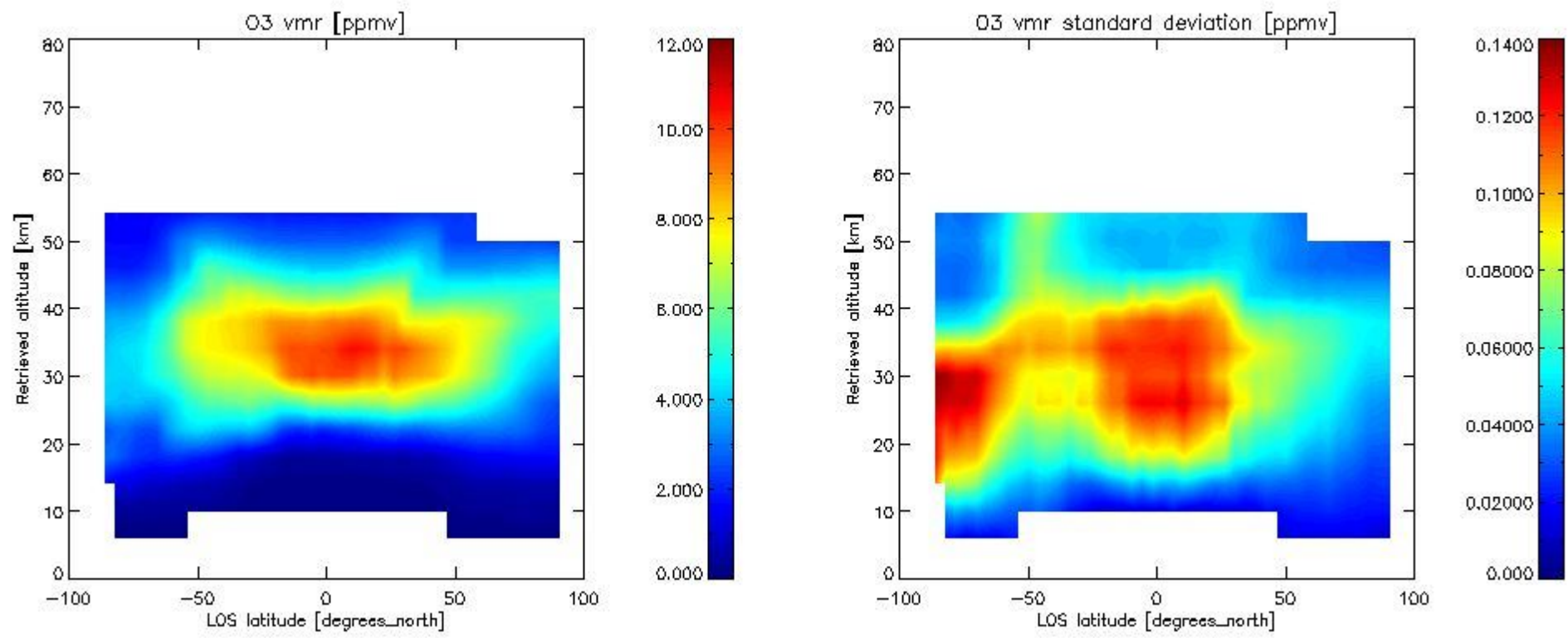


2.2.4 Species overview

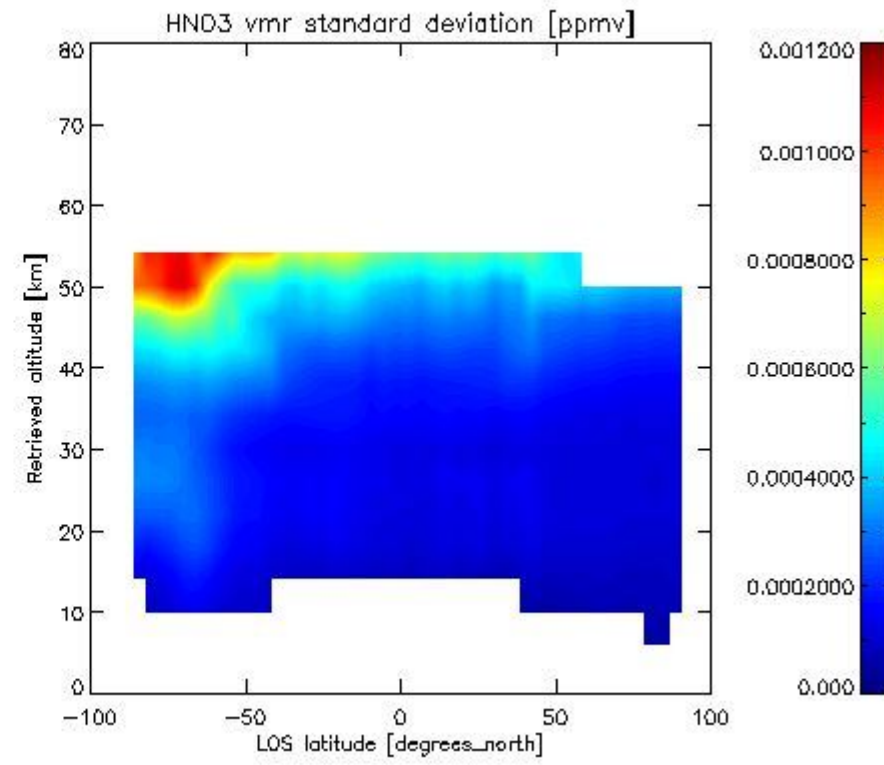
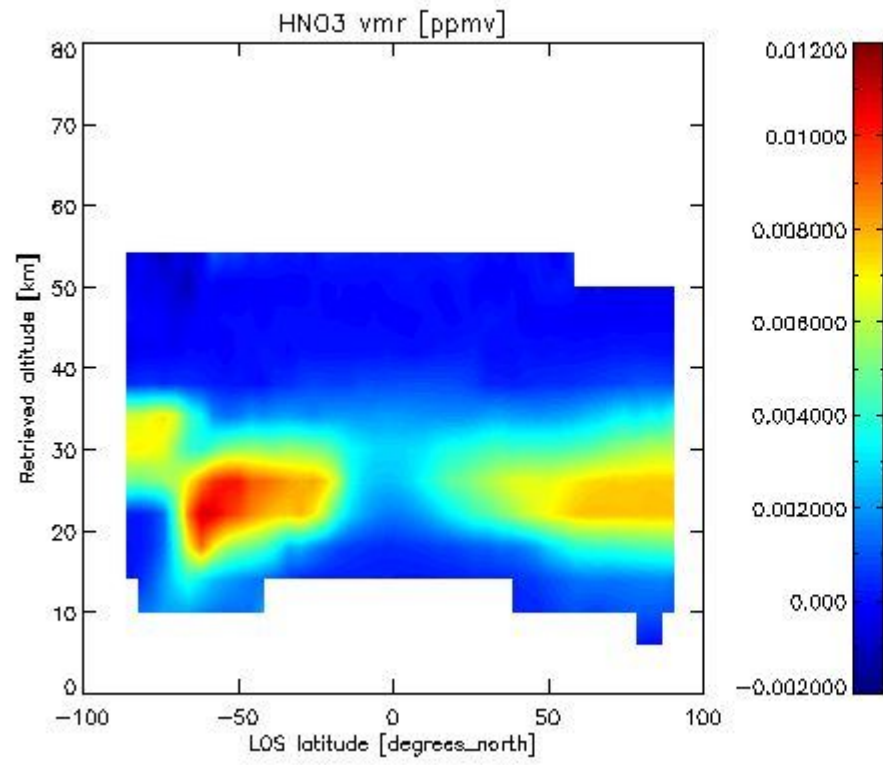
2.2.4.1 H2O overview This section shows values (left) and error (right) for H2O after binning individual sweep values over retrieved altitude and tangent latitude.



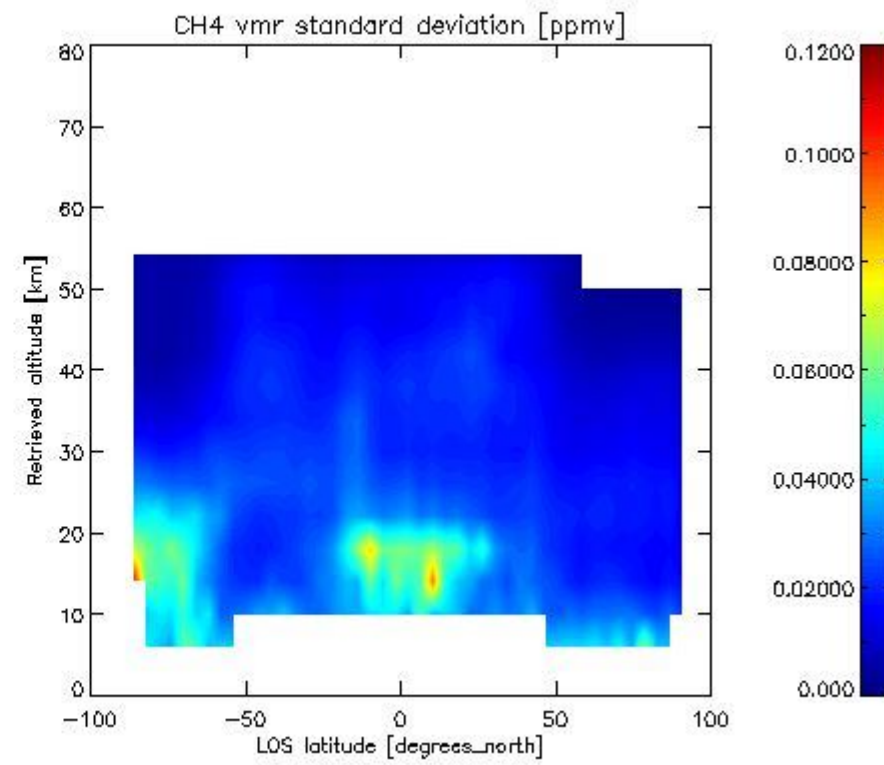
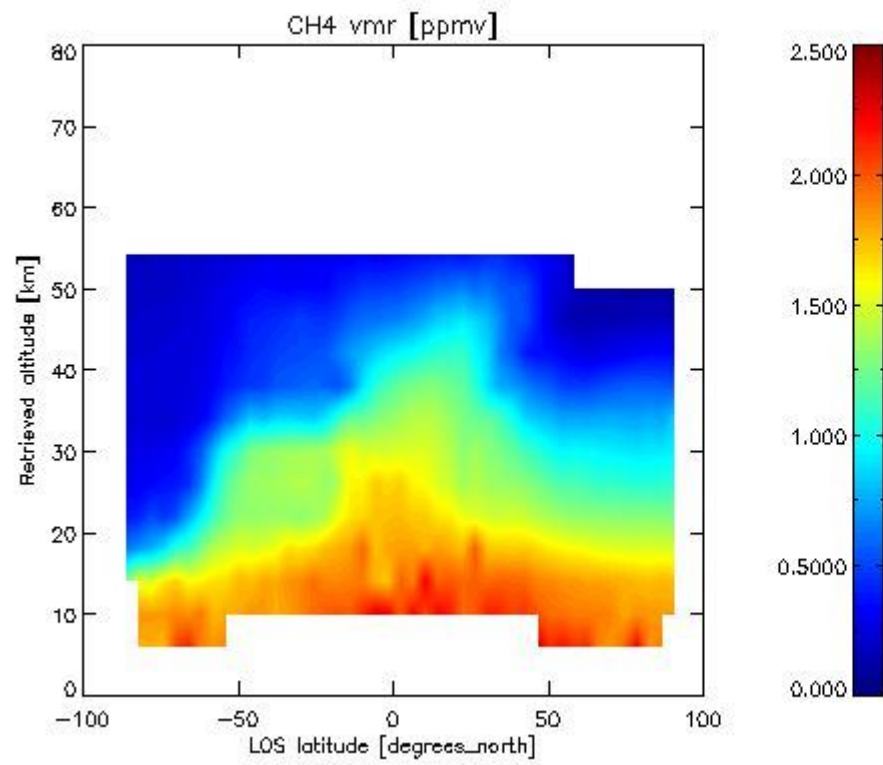
2.2.4.2 O3 overview This section shows values (left) and error (right) for O3 after binning individual sweep values over retrieved altitude and tangent latitude.



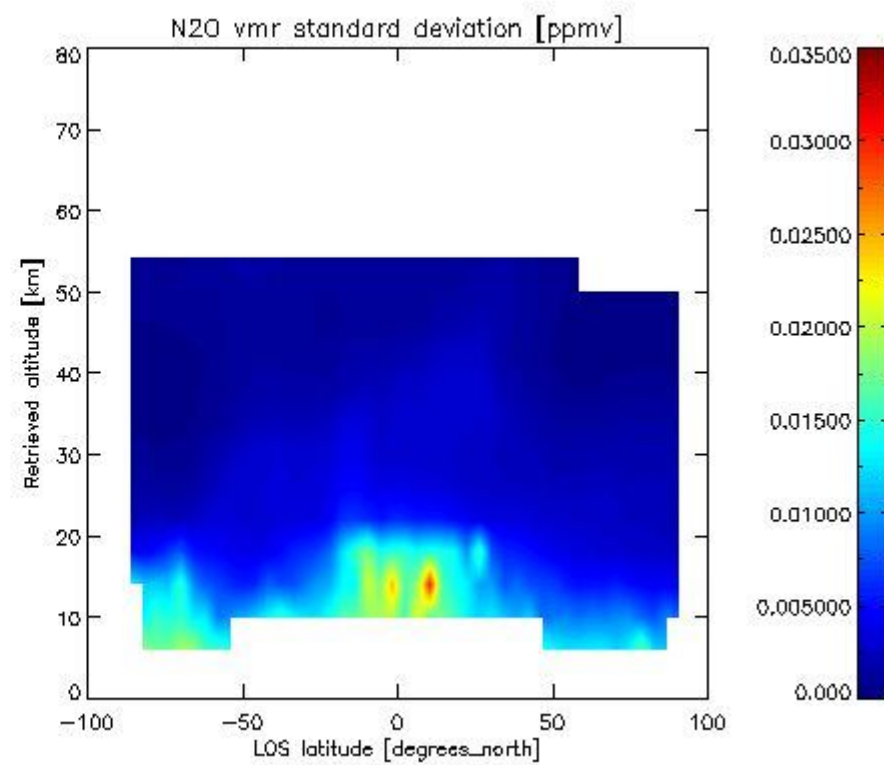
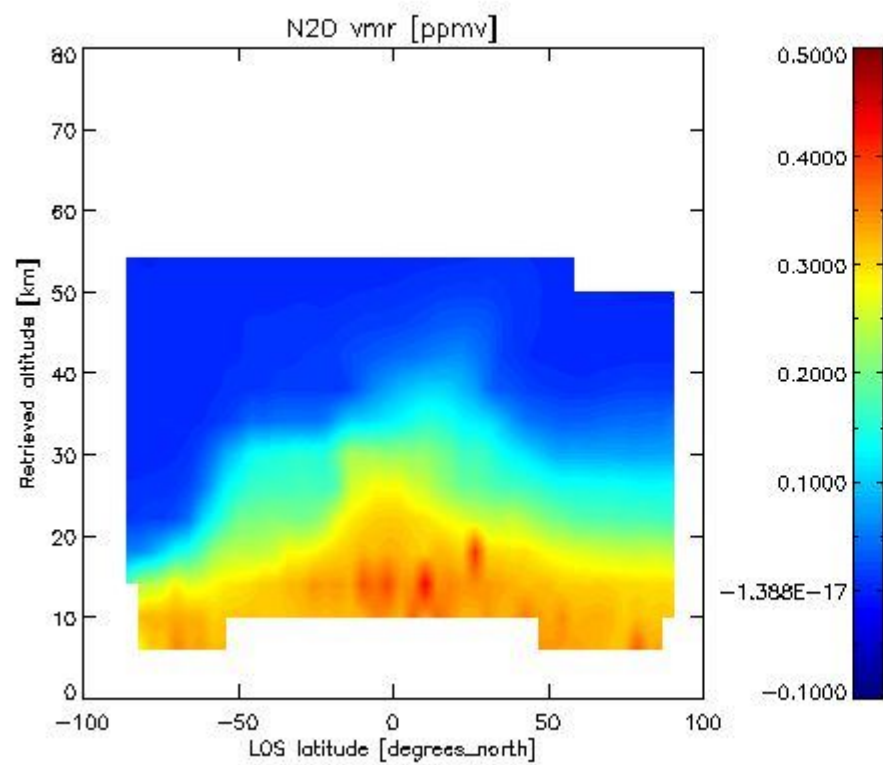
2.2.4.3 HNO3 overview This section shows values (left) and error (right) for HNO3 after binning individual sweep values over retrieved altitude and tangent latitude.



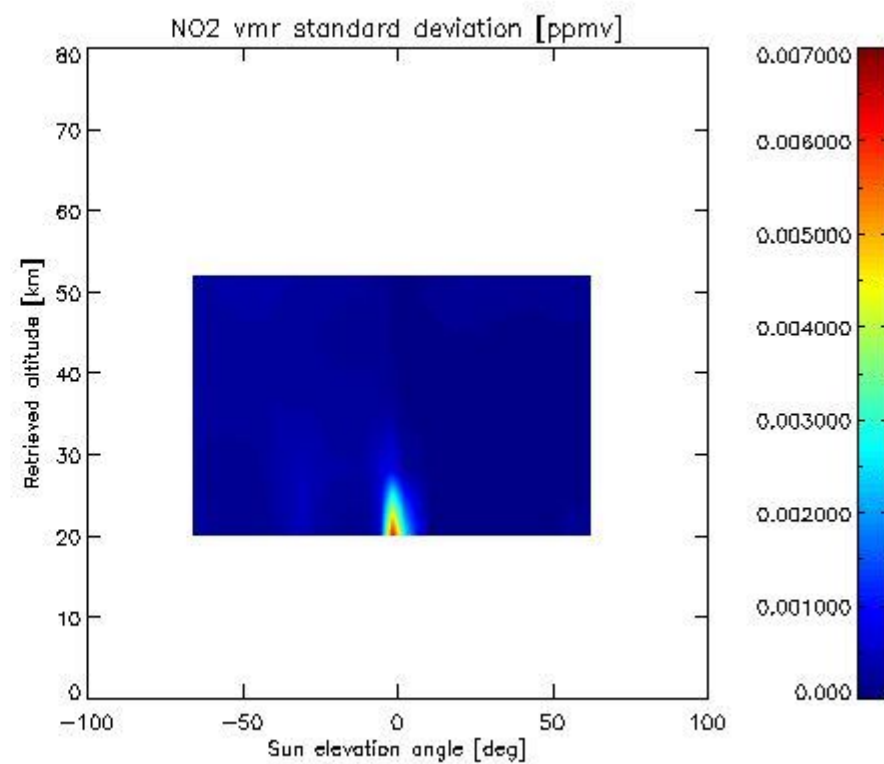
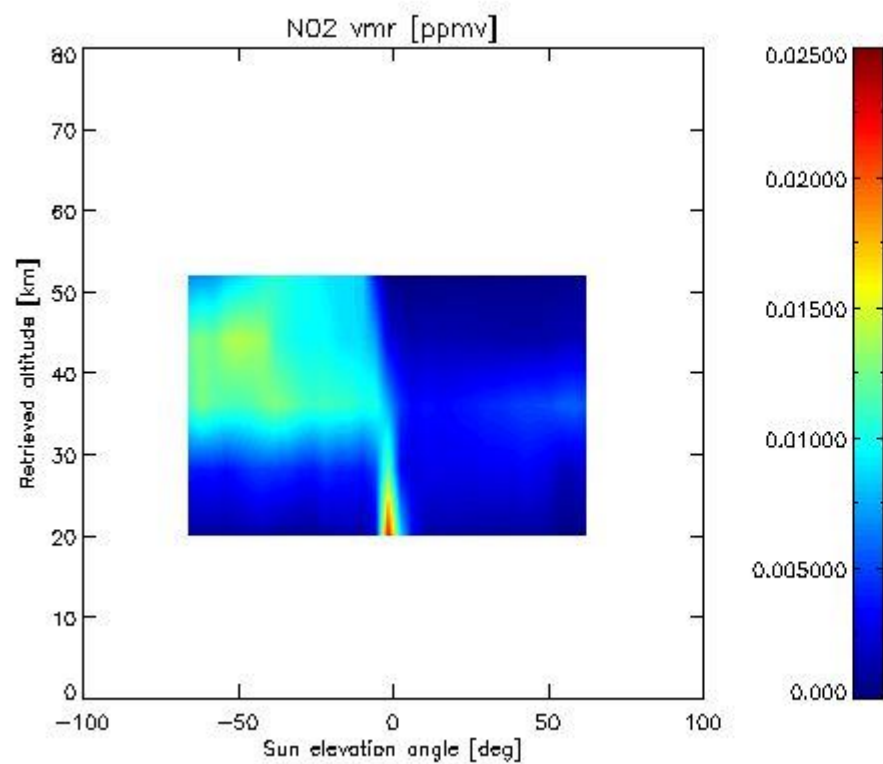
2.2.4.4 CH4 overview This section shows values (left) and error (right) for CH4 after binning individual sweep values over retrieved altitude and tangent latitude.



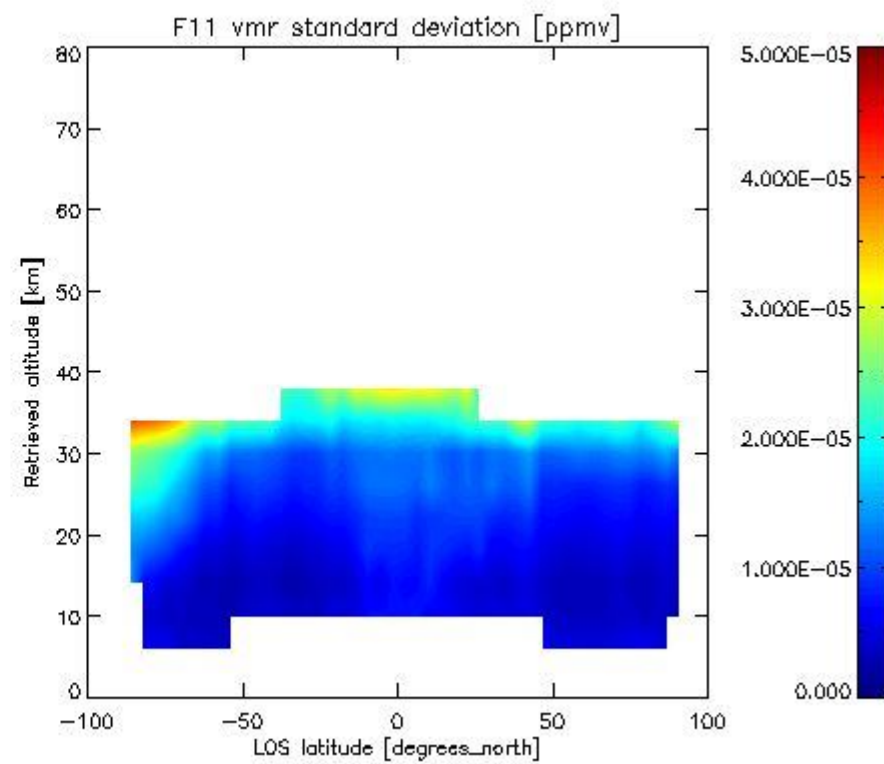
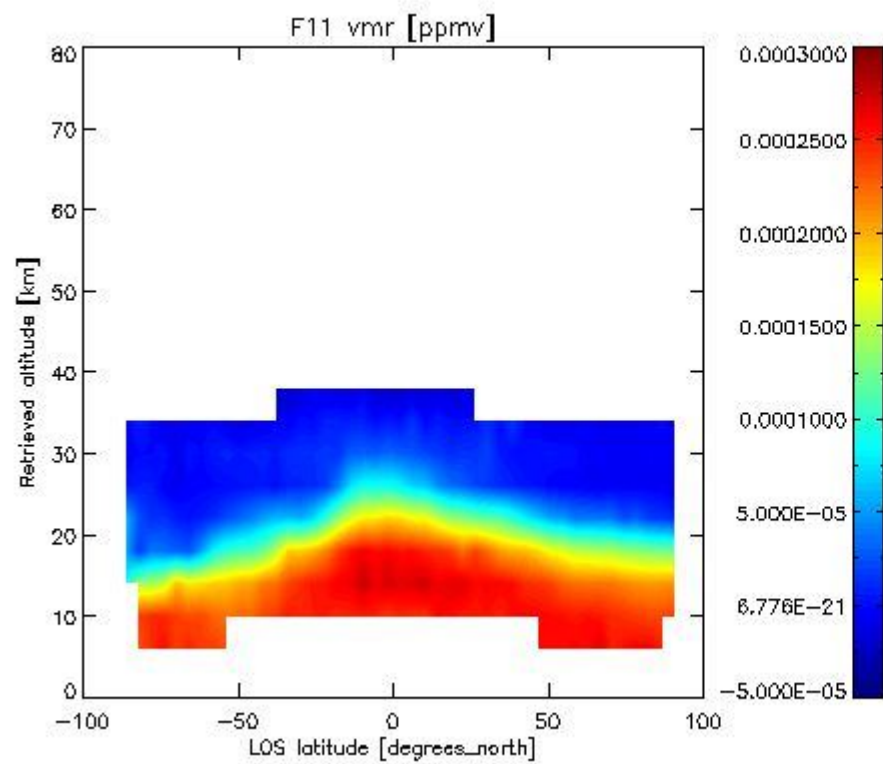
2.2.4.5 N2O overview This section shows values (left) and error (right) for N2O after binning individual sweep values over retrieved altitude and tangent latitude.



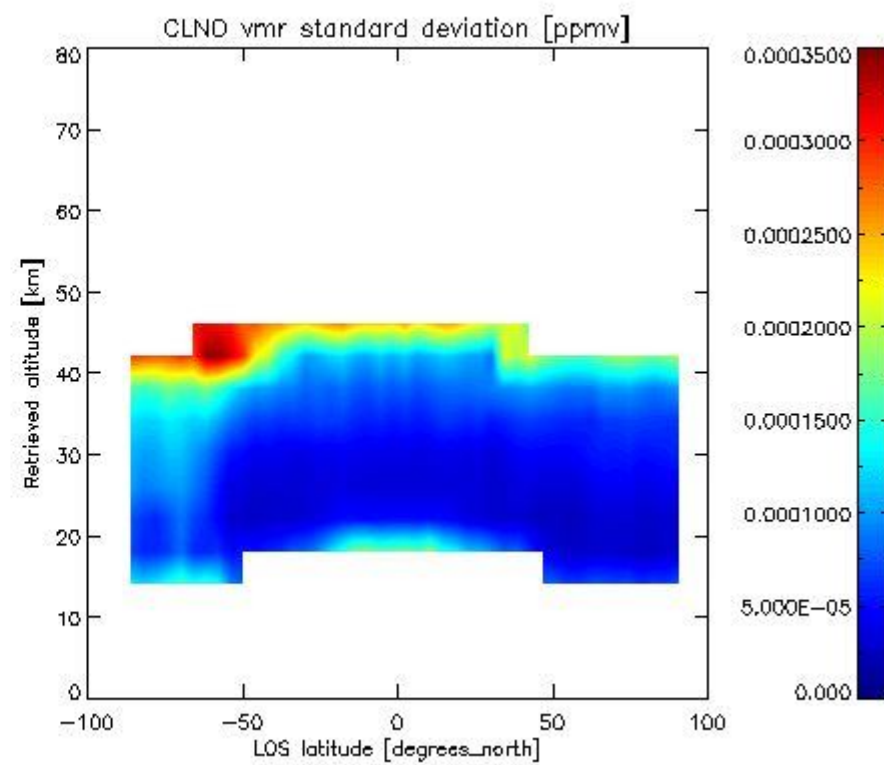
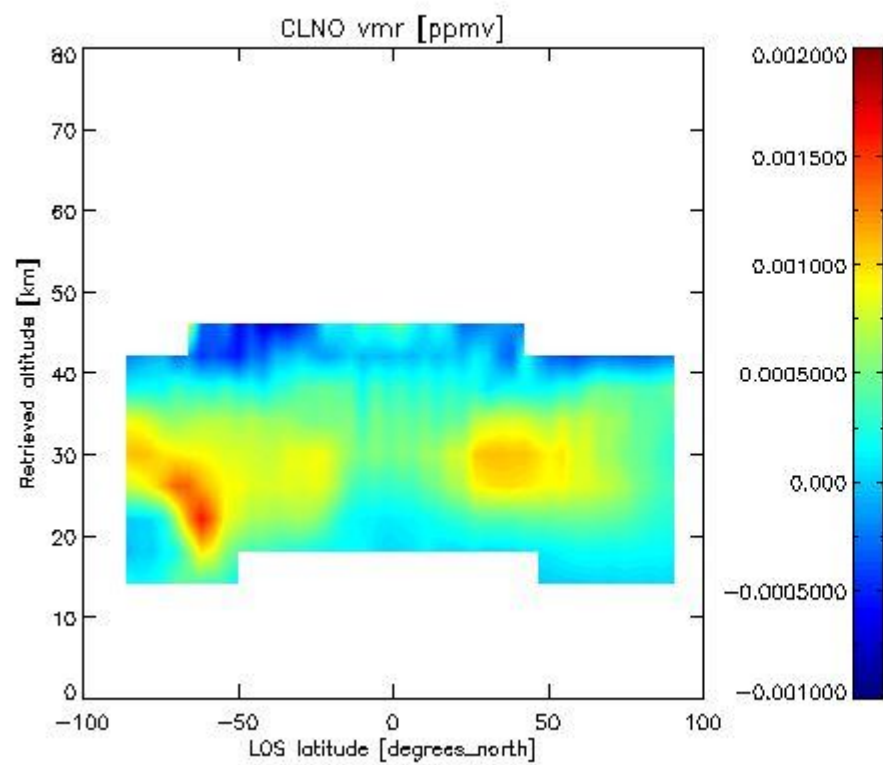
2.2.4.6 NO2 overview This section shows values (left) and error (right) for NO2 after binning individual sweep values over retrieved altitude and Sun Elevation Angle. Note that for NO2 the bin heights are 6 km.

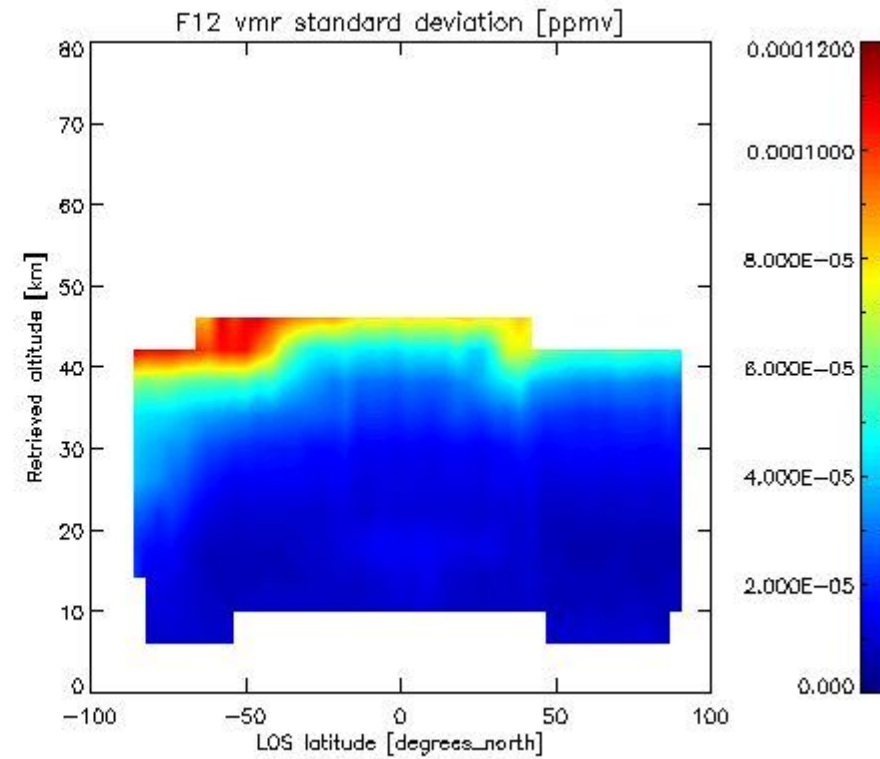
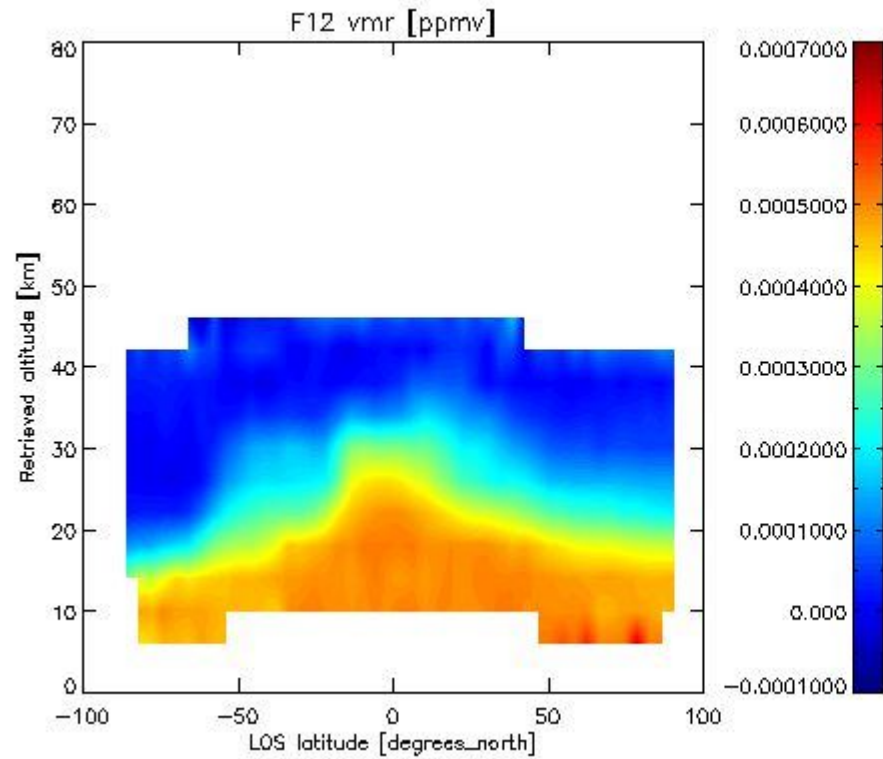
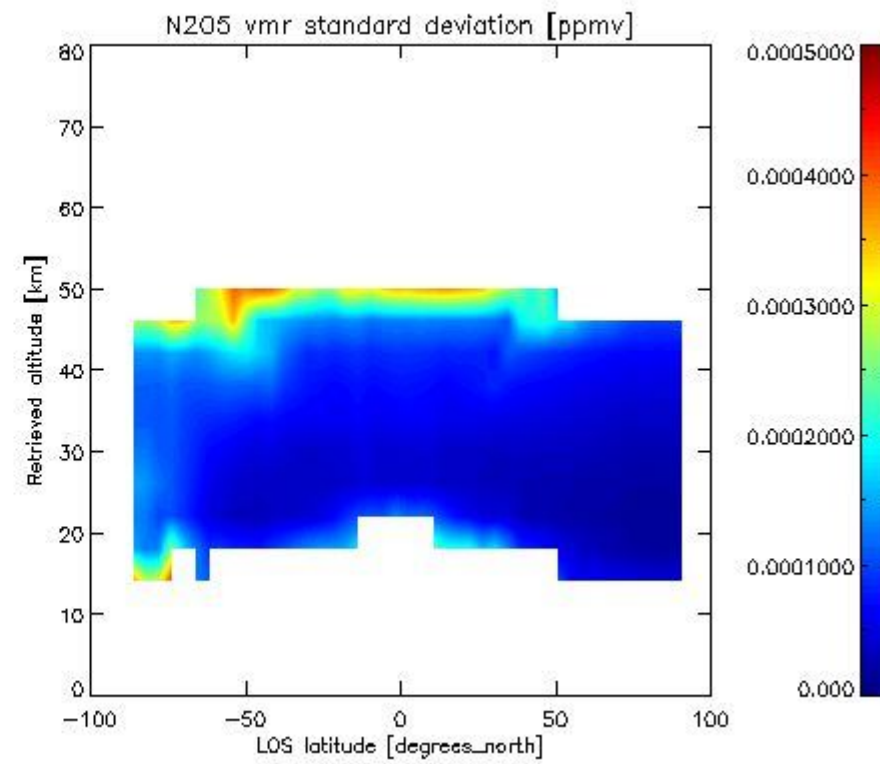
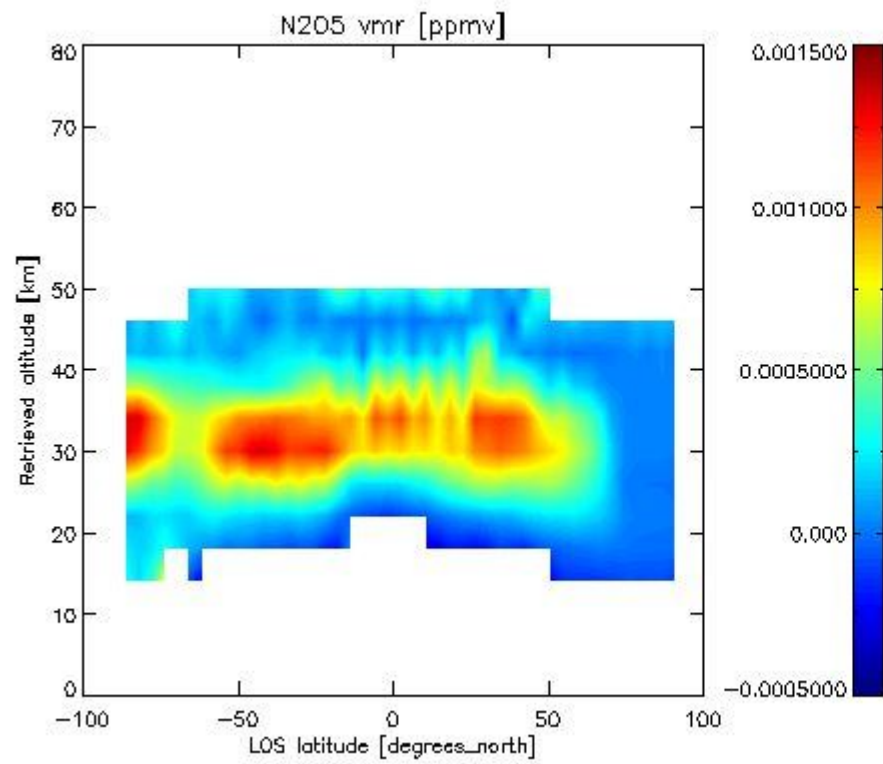


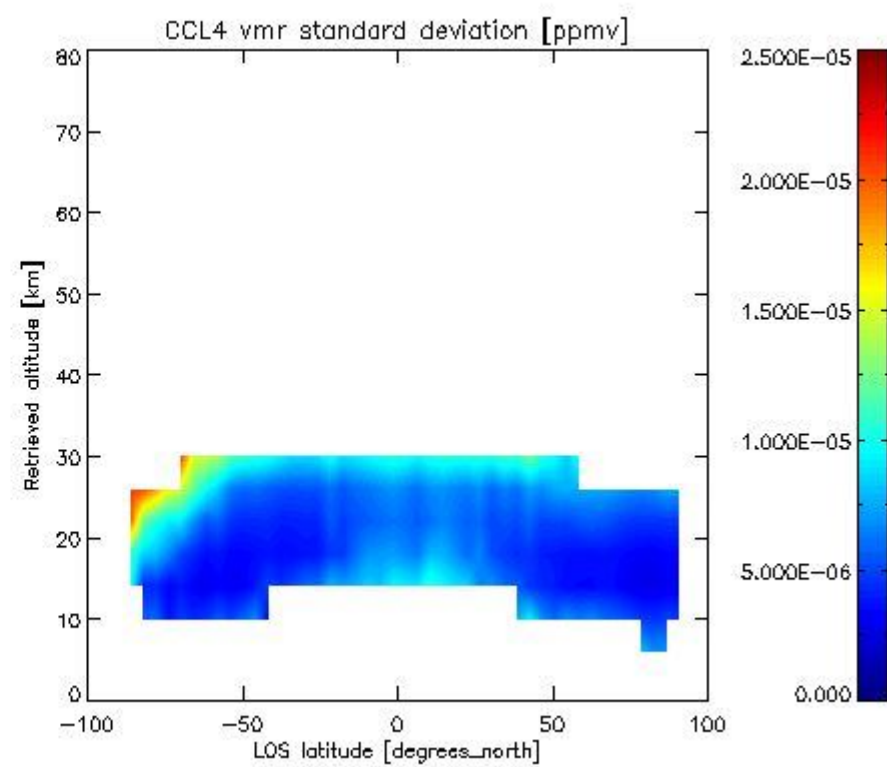
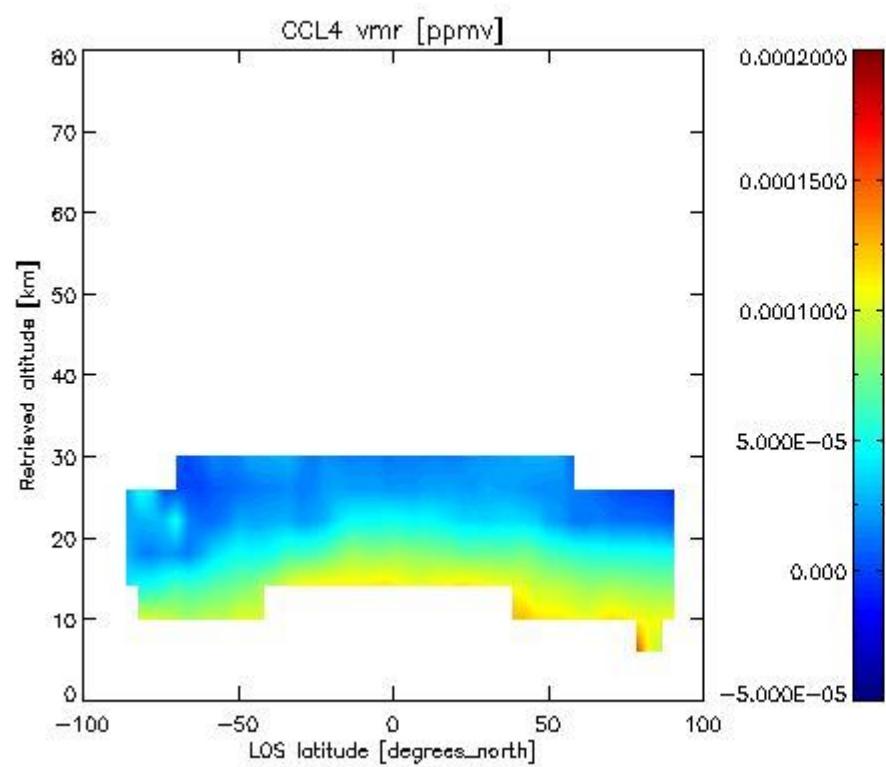
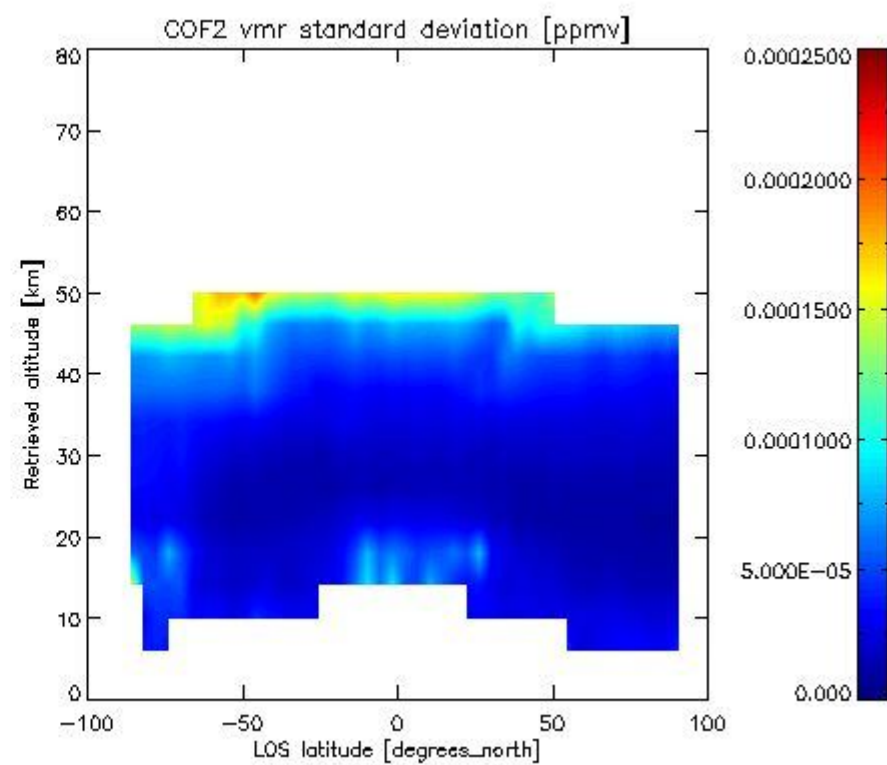
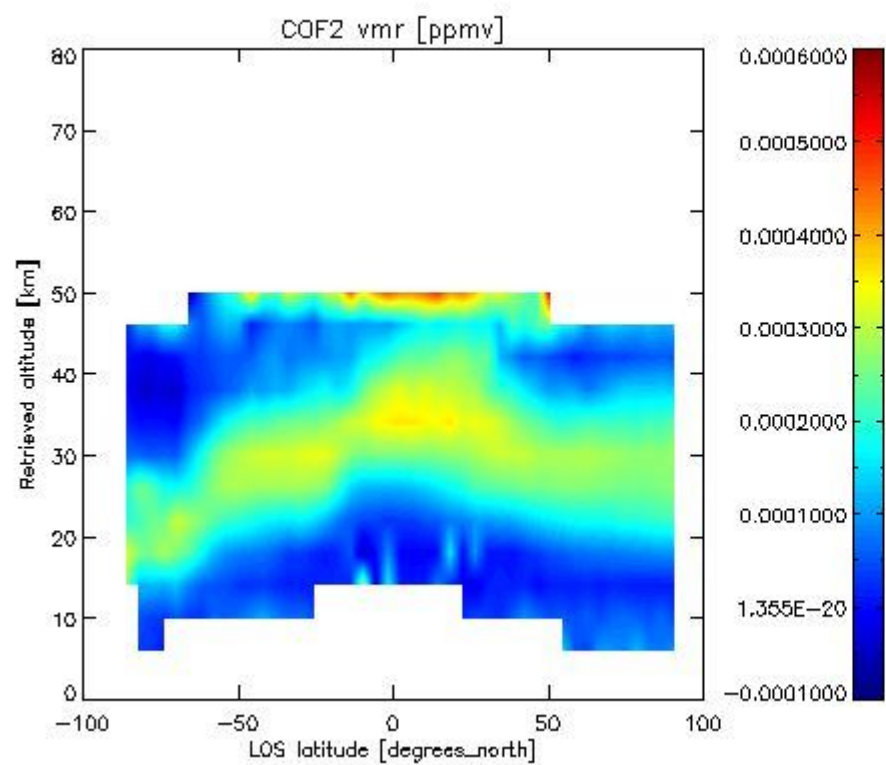
2.2.4.7 F11 overview This section shows values (left) and error (right) for F11 after binning individual sweep values over retrieved altitude and tangent latitude.

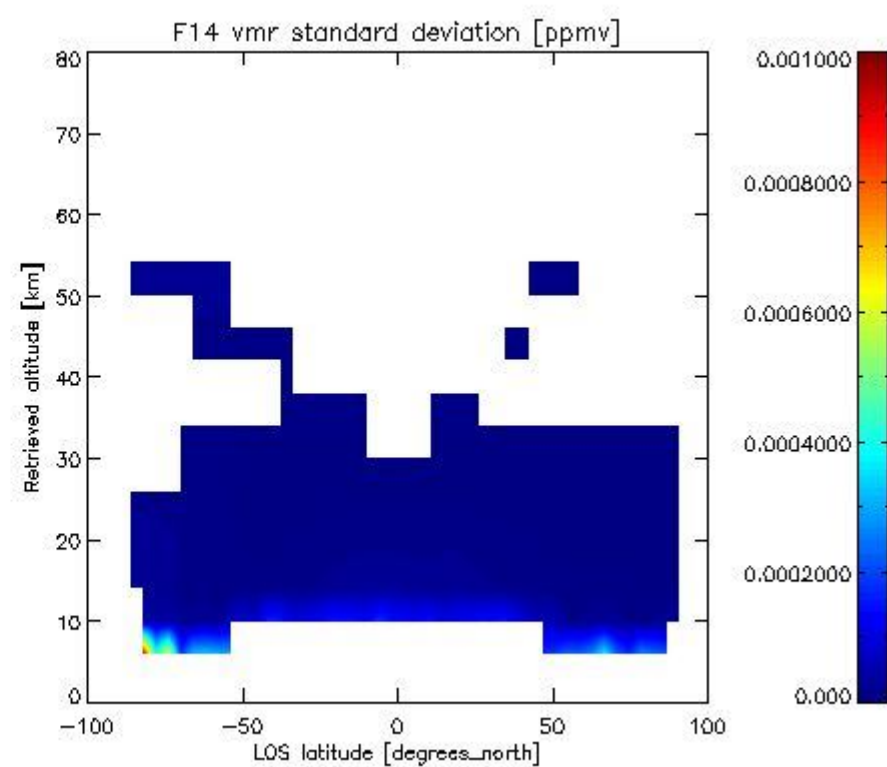
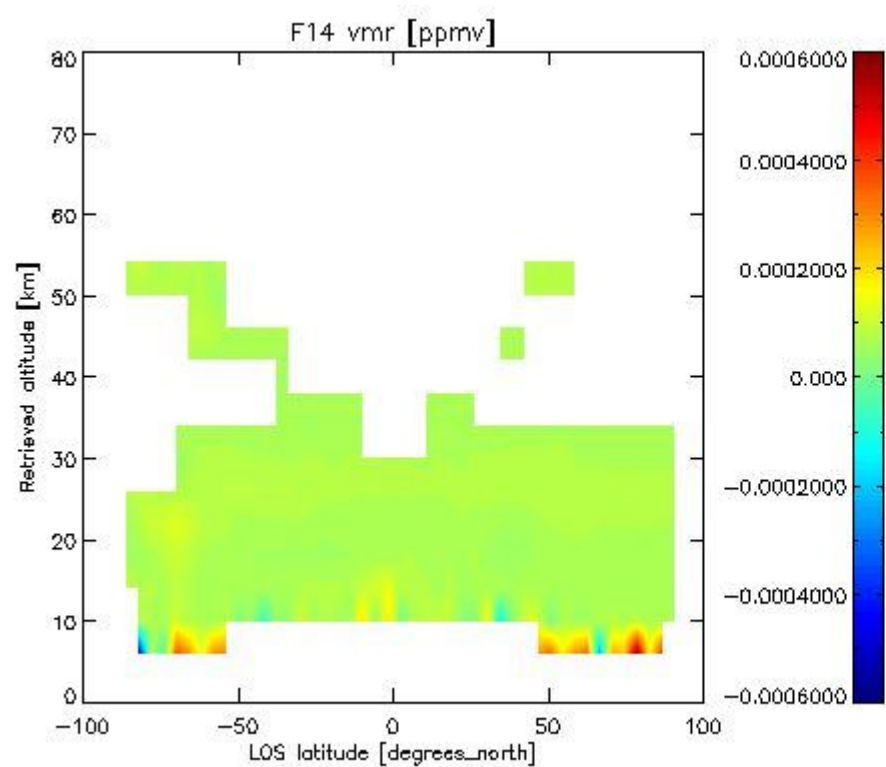
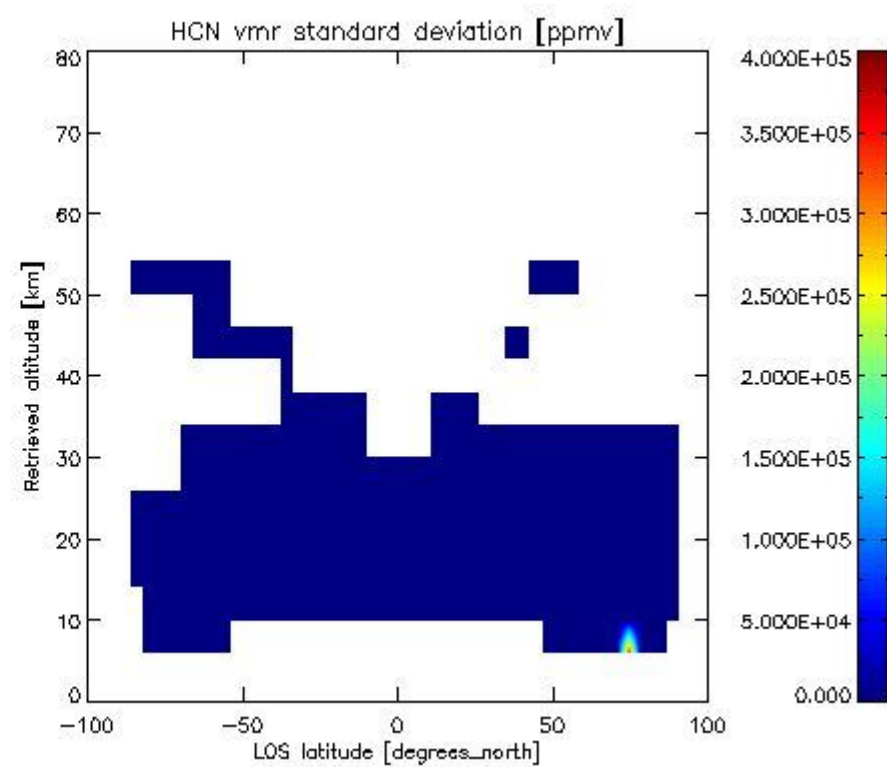
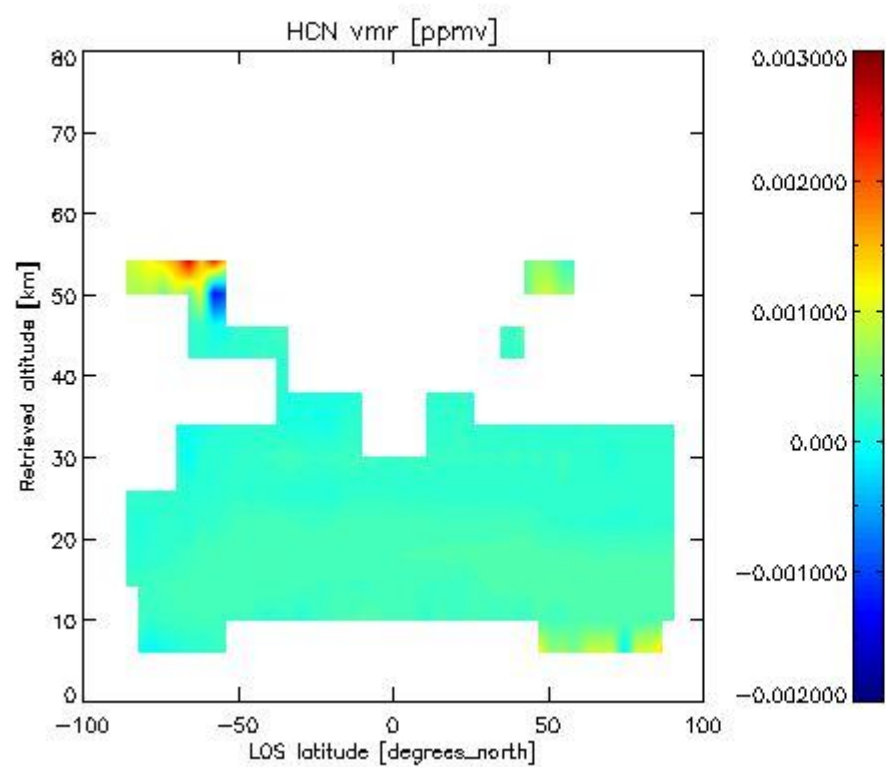


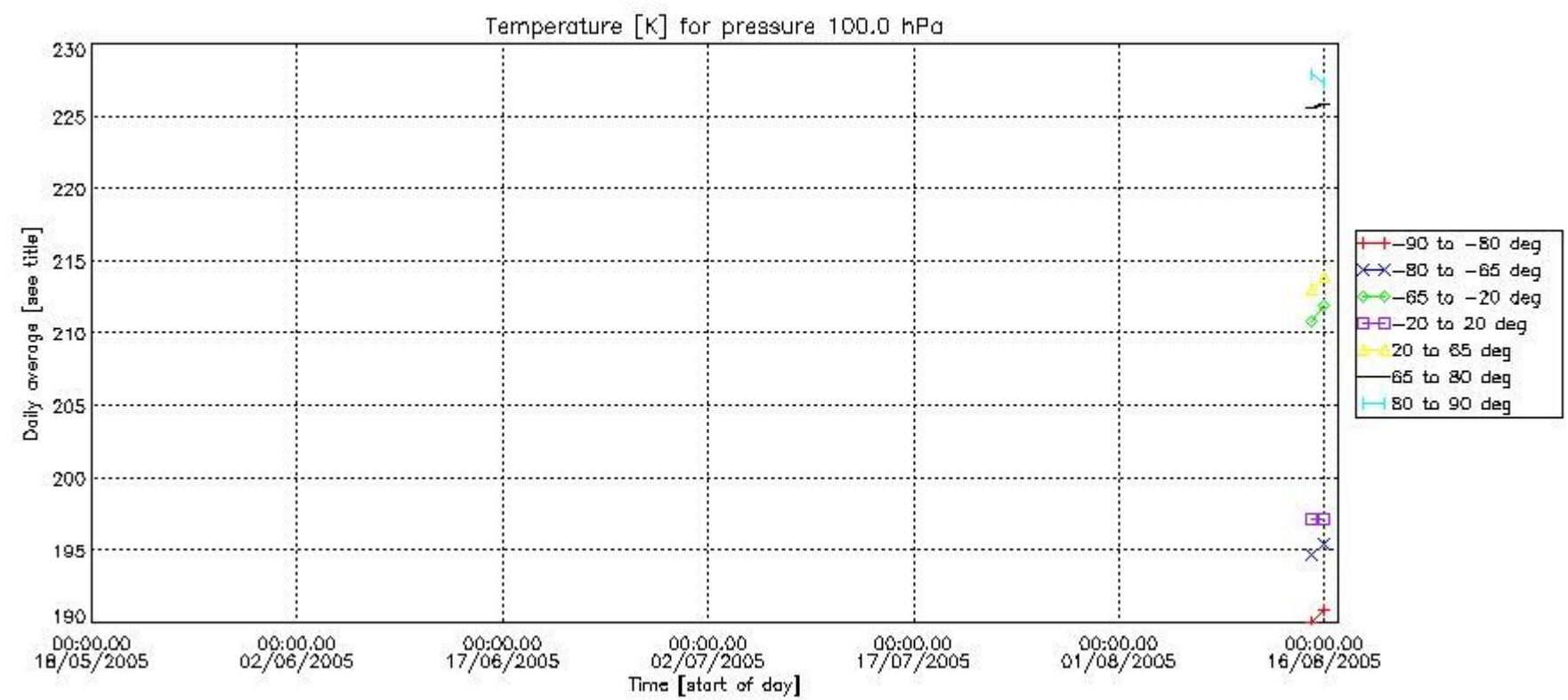
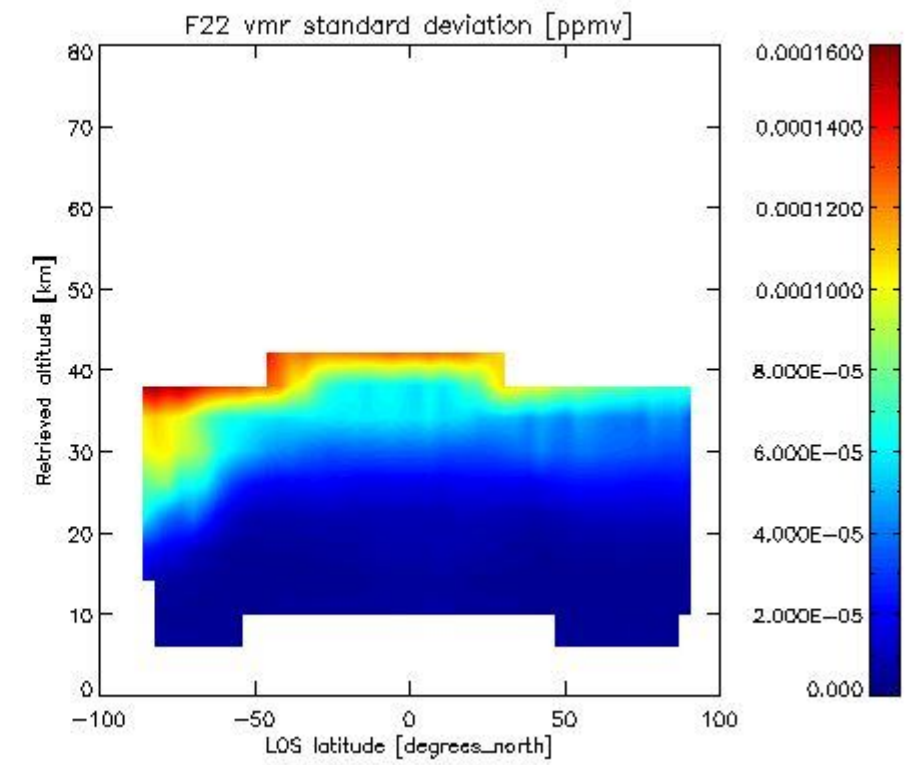
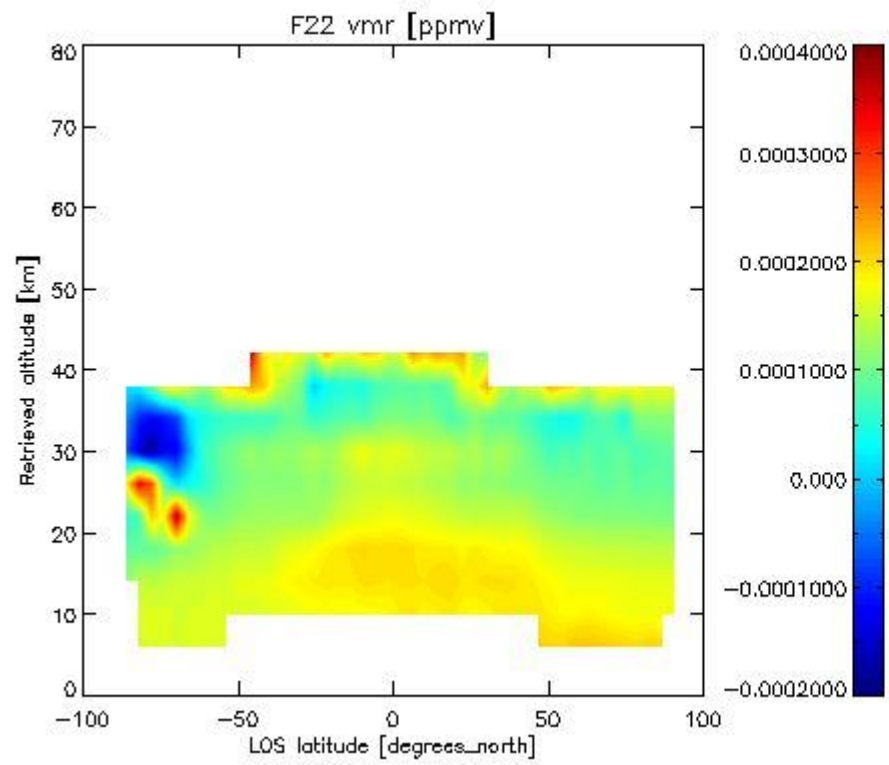
2.3.4.4 CLNO vmr: This section shows values (left) and error (right) for CLNO after binning individual vmr values over retrieved altitude and target latitude.

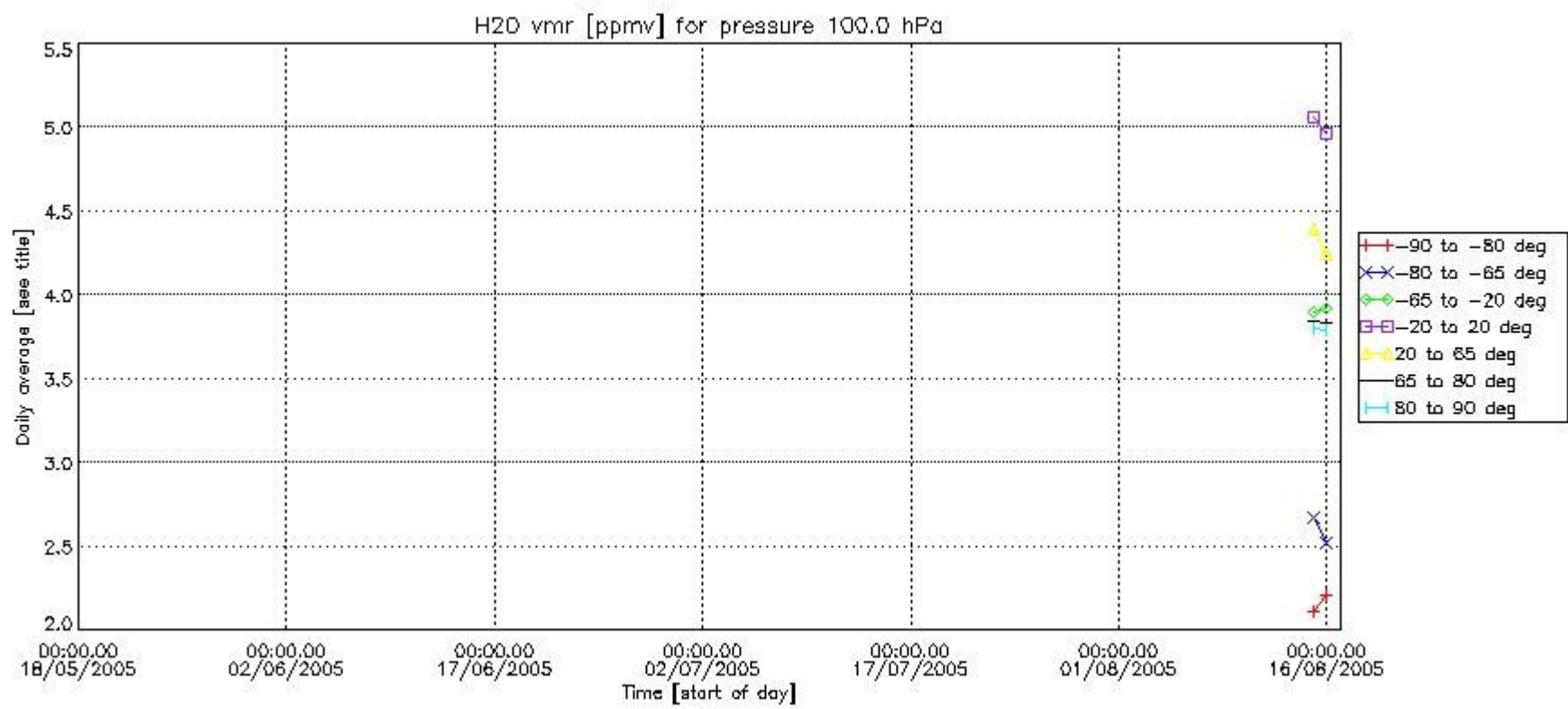
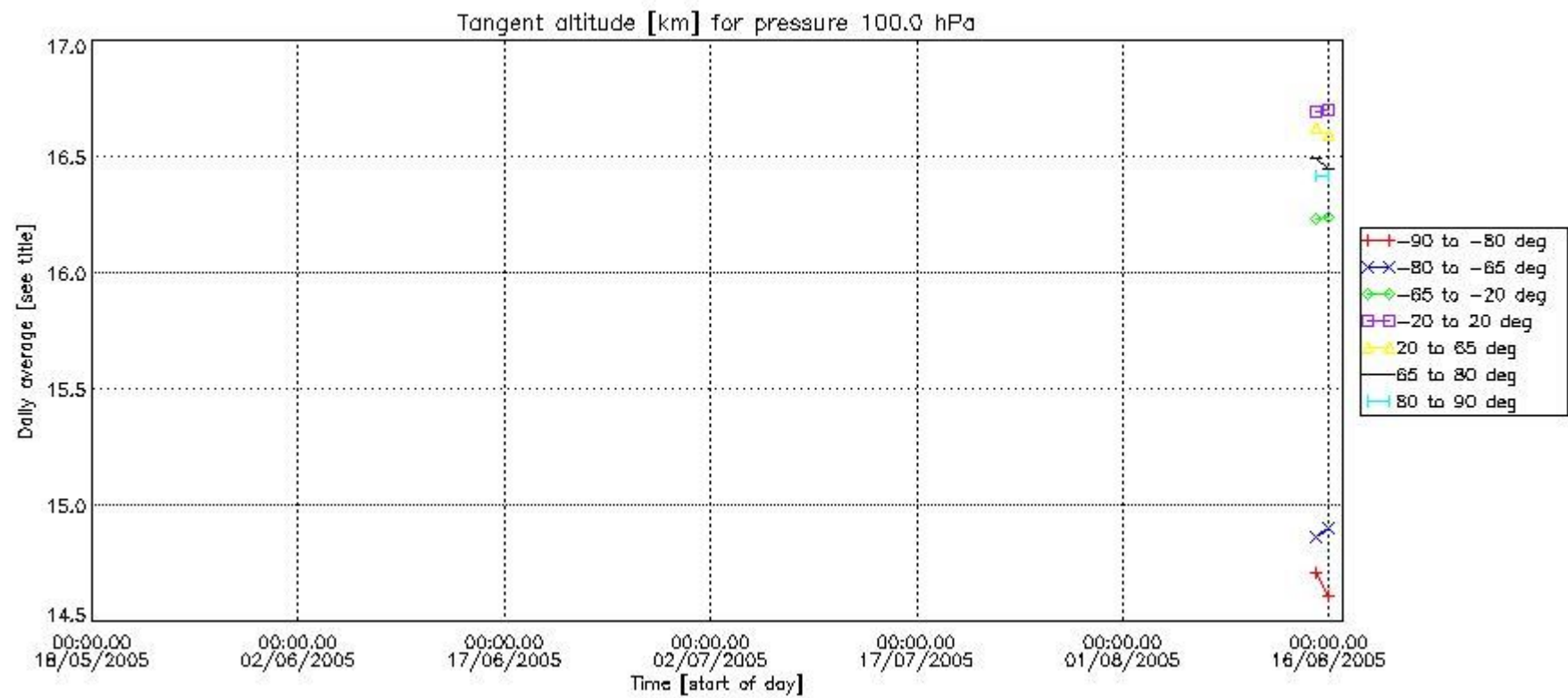


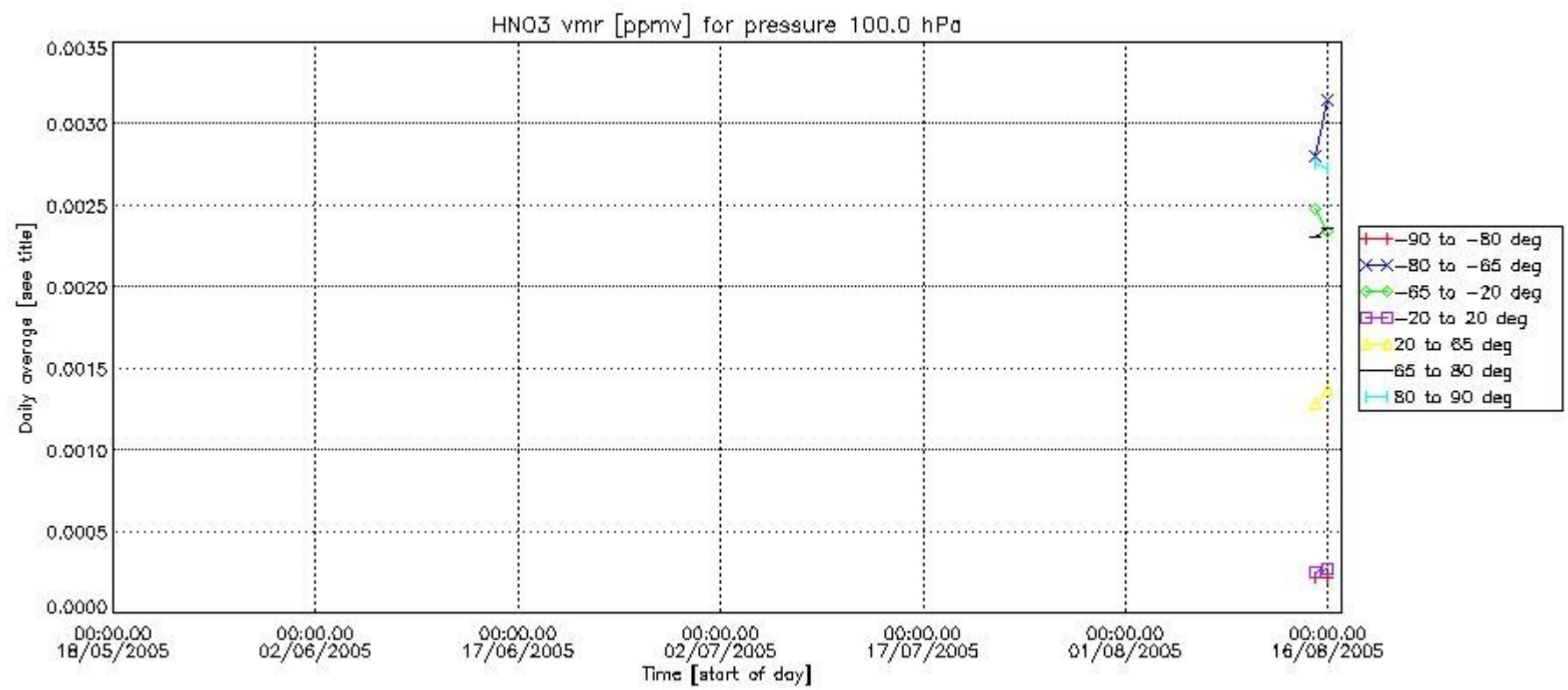
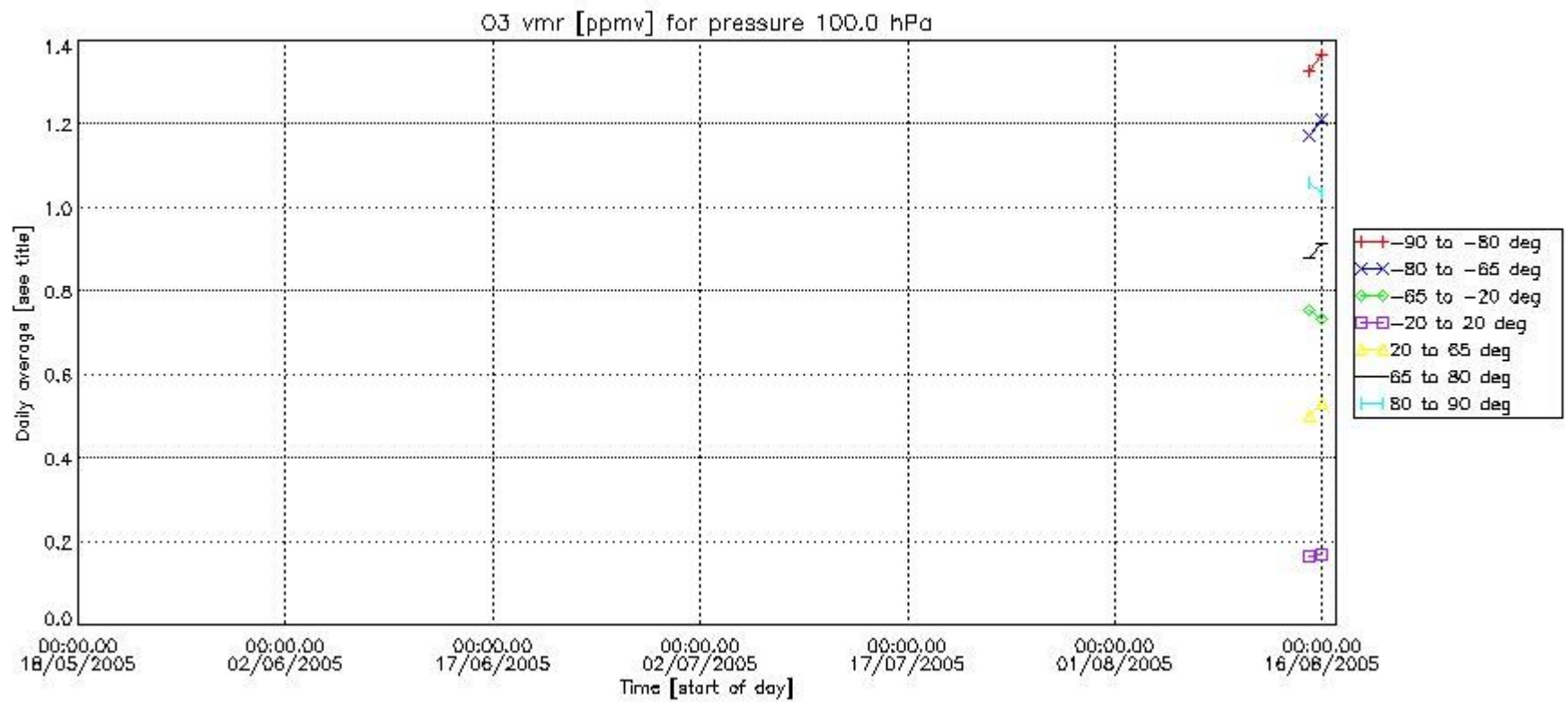


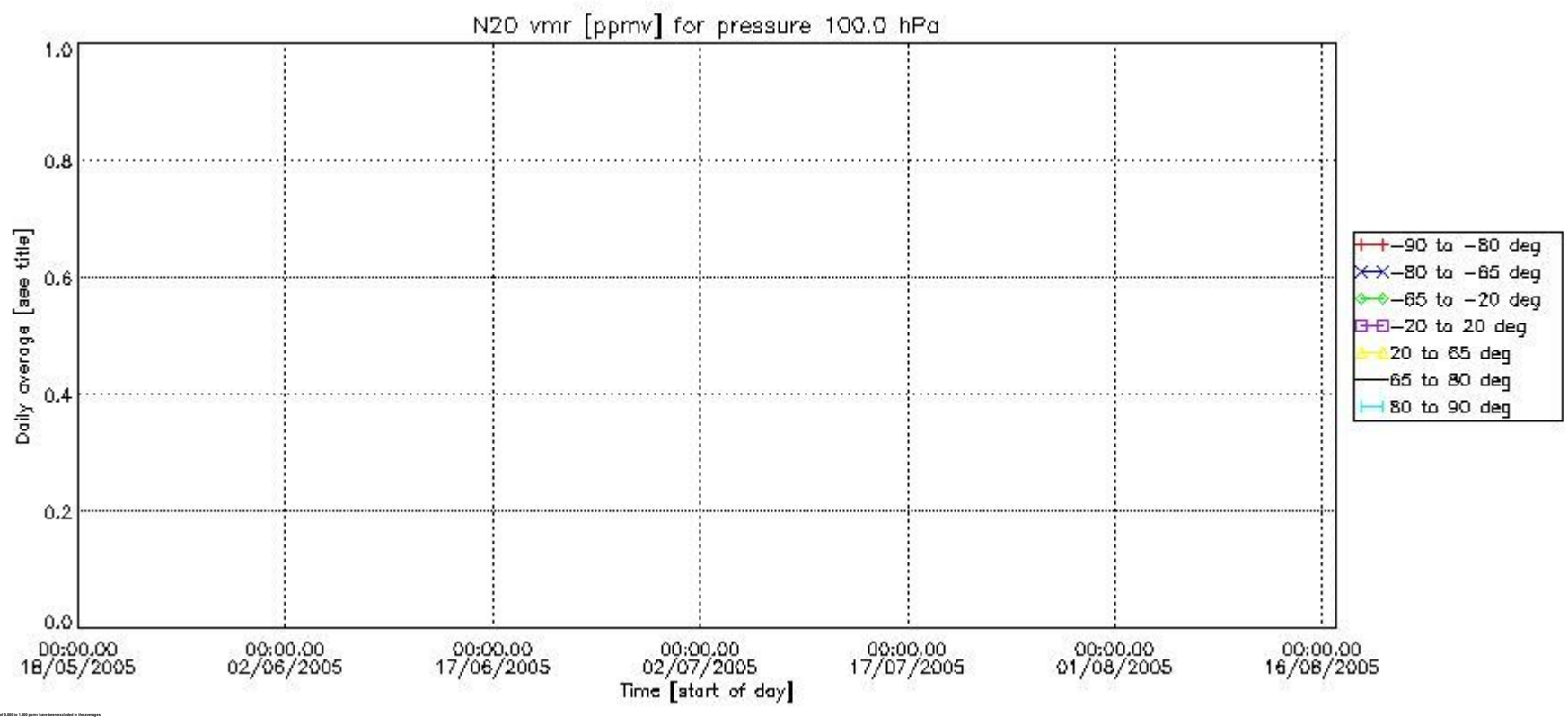
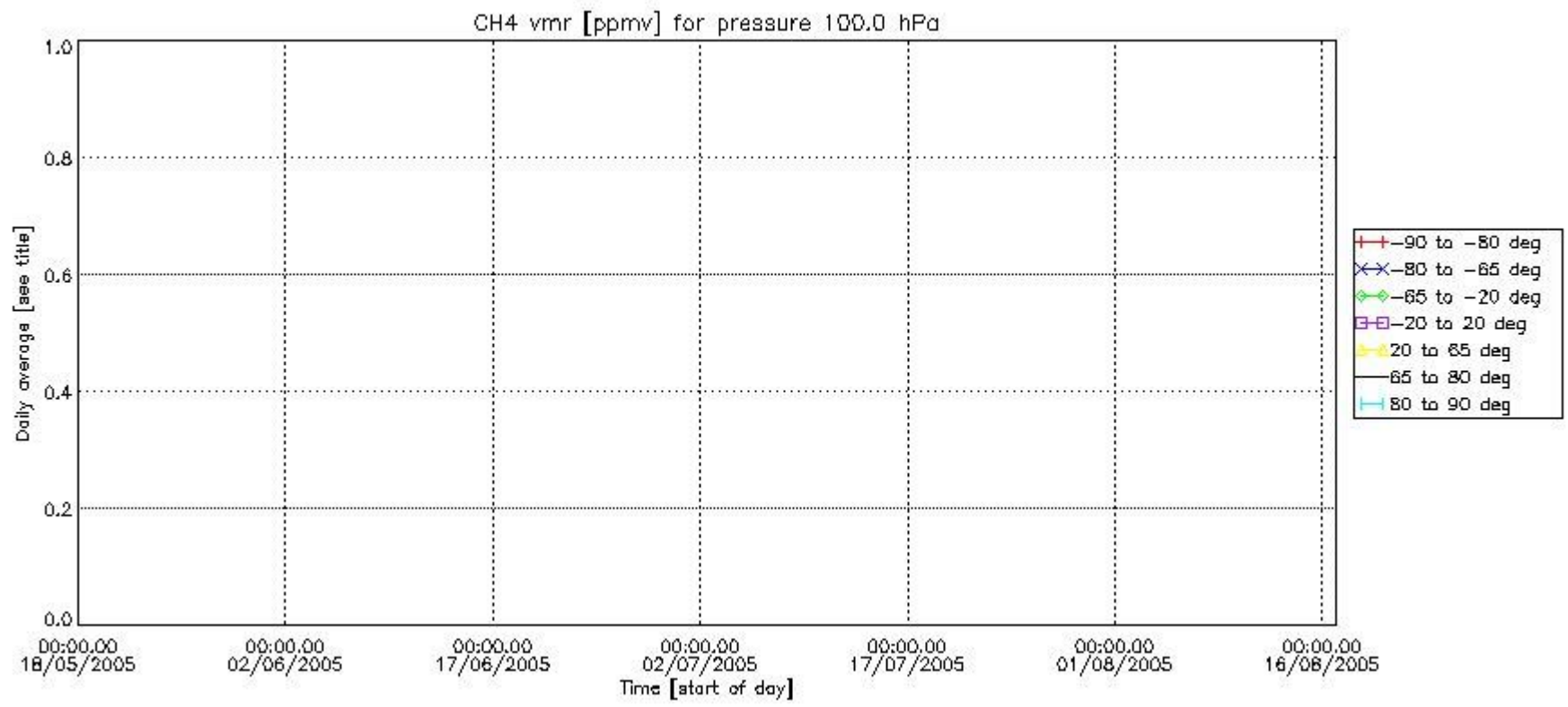


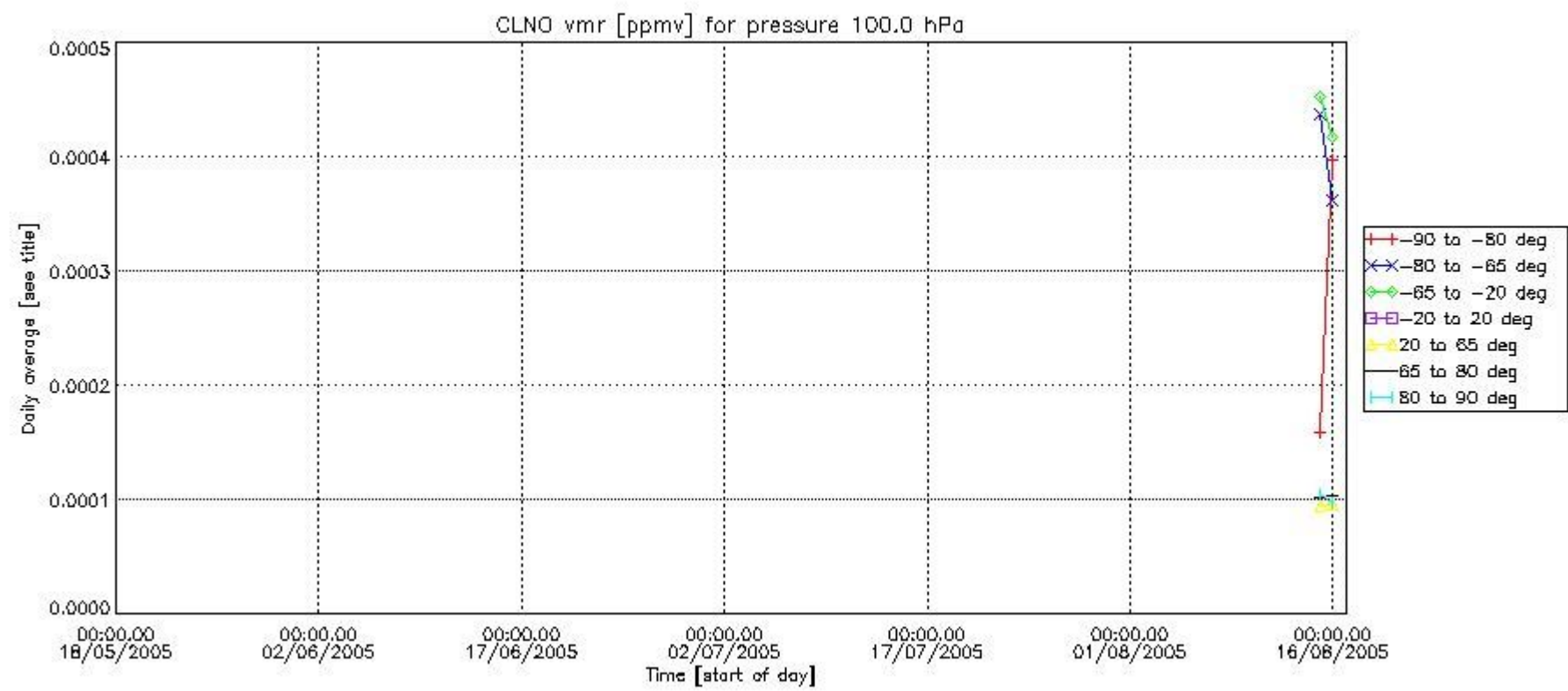
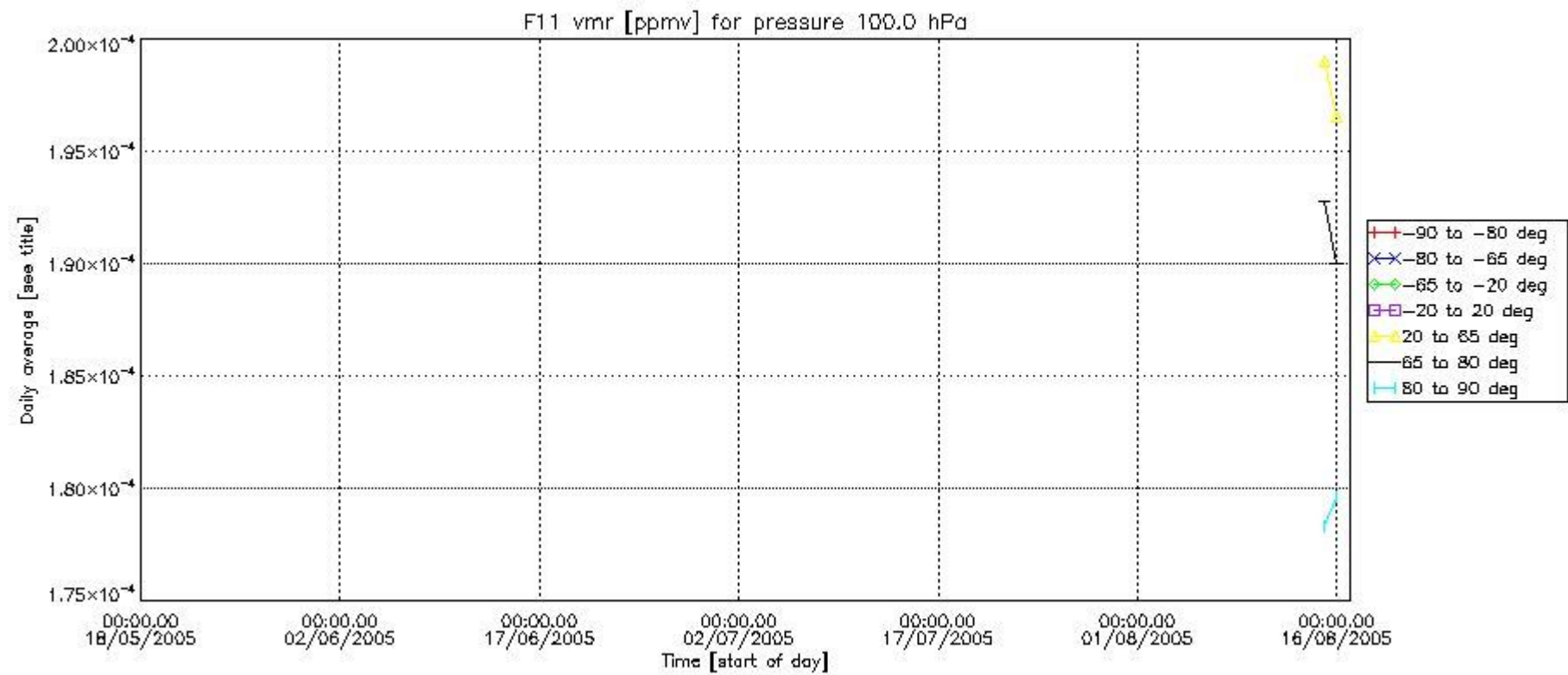


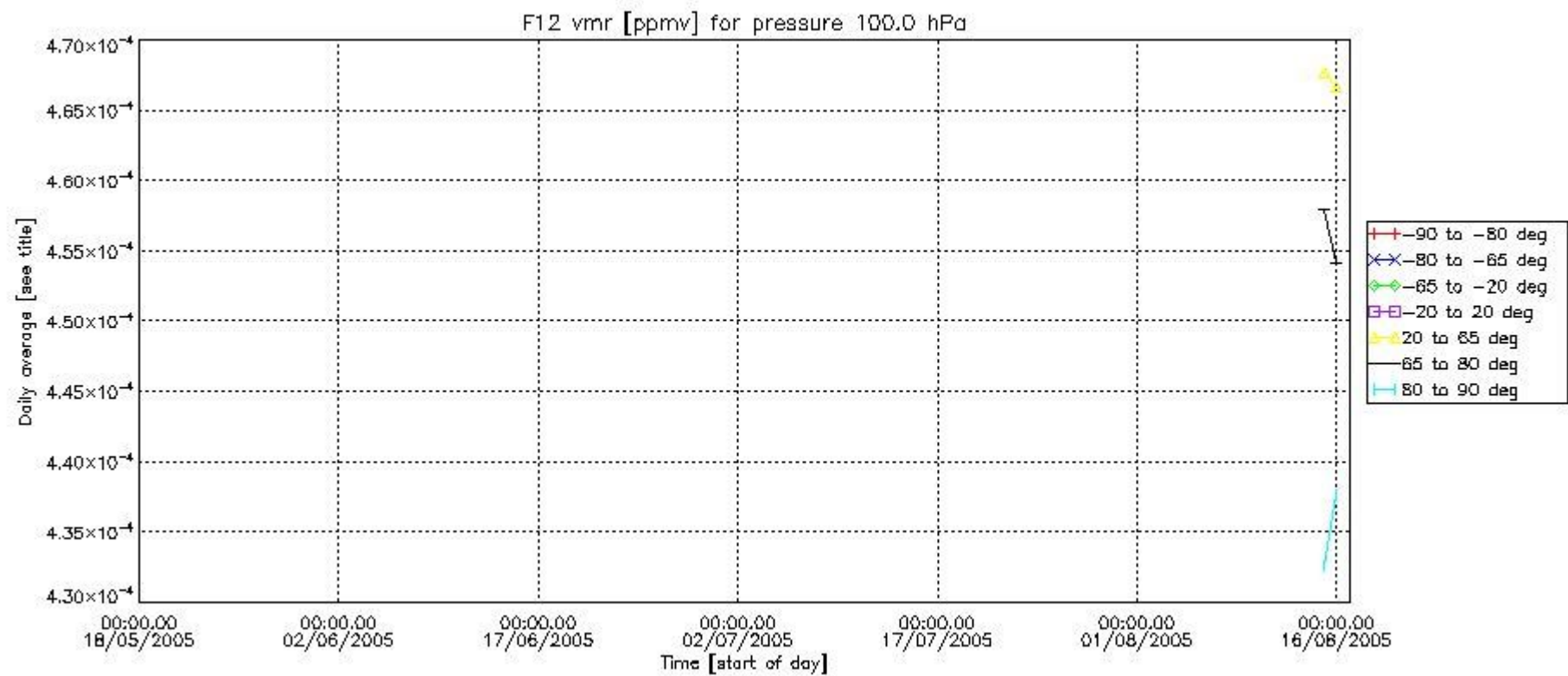
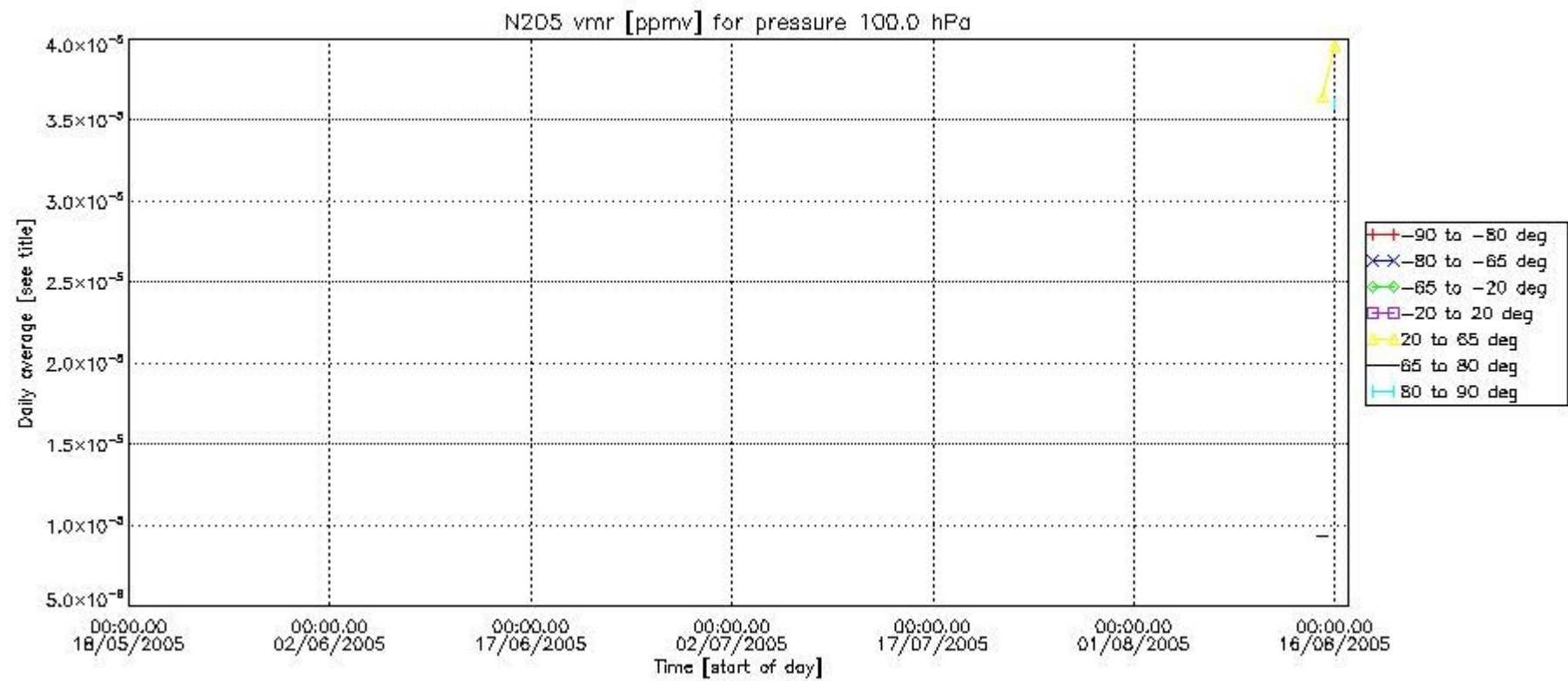


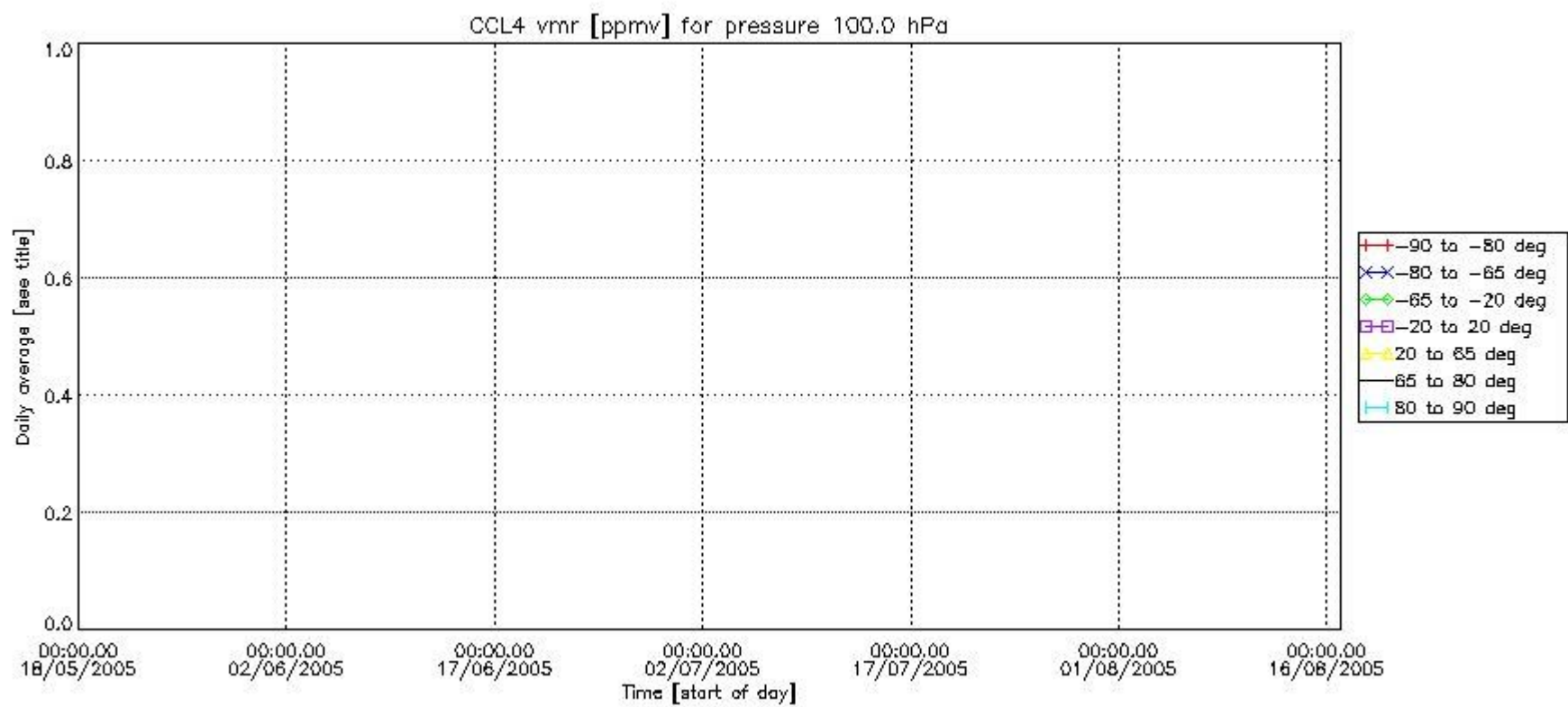
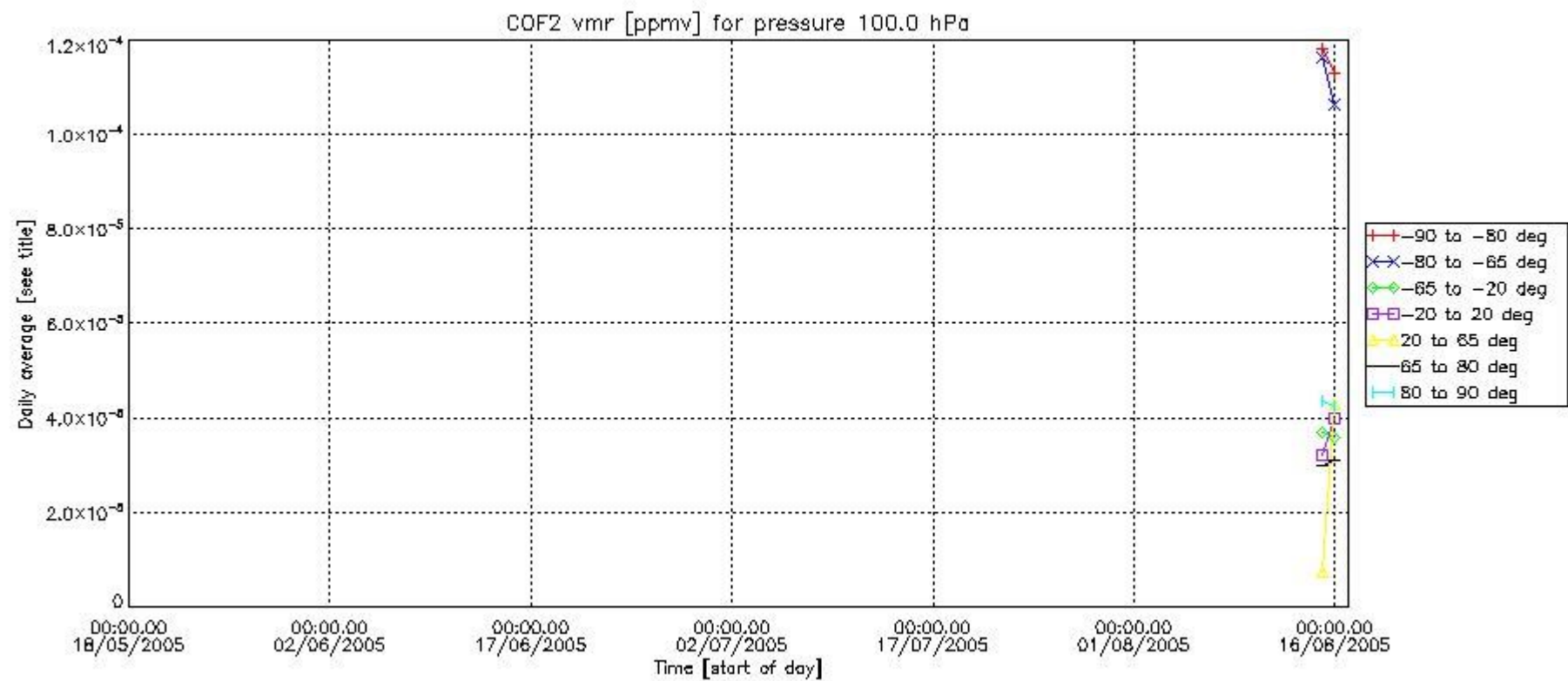


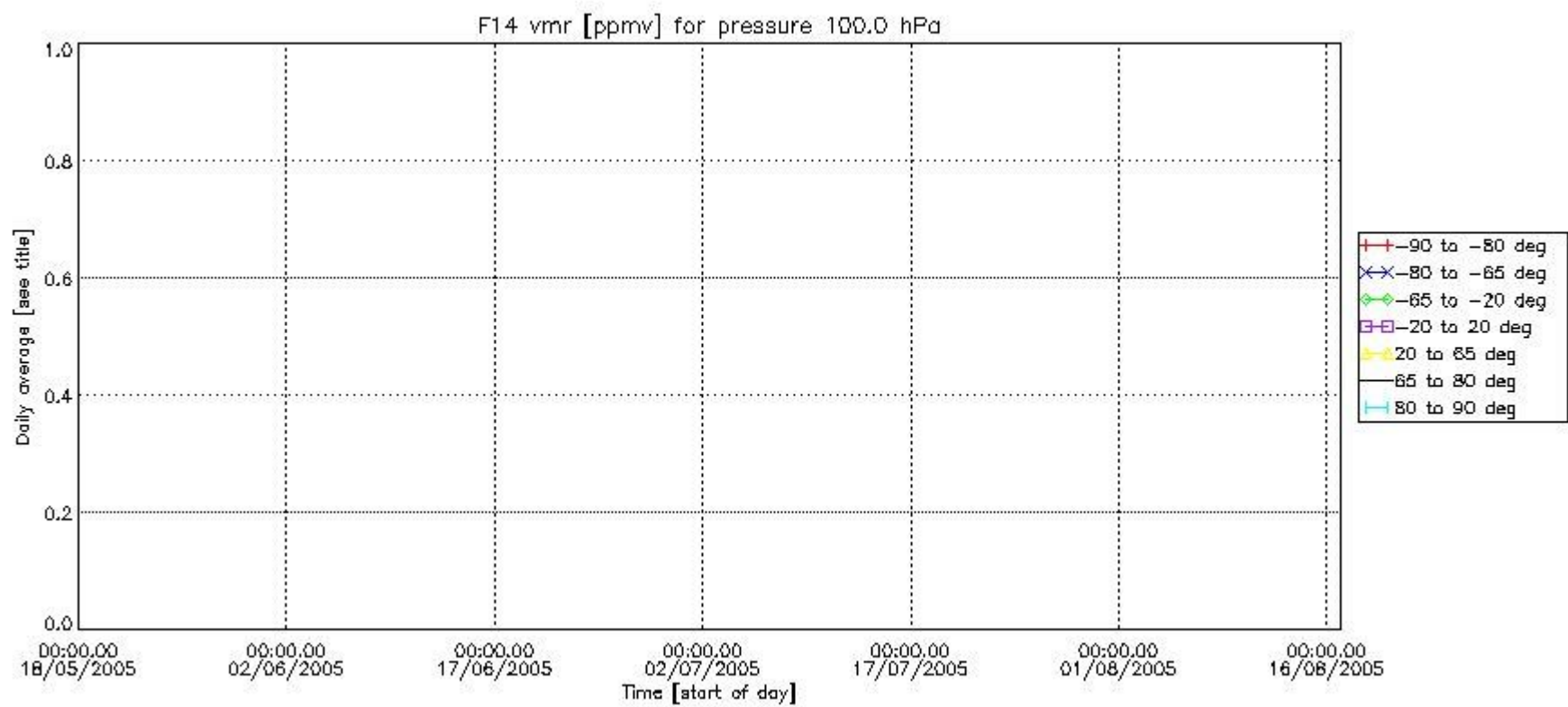
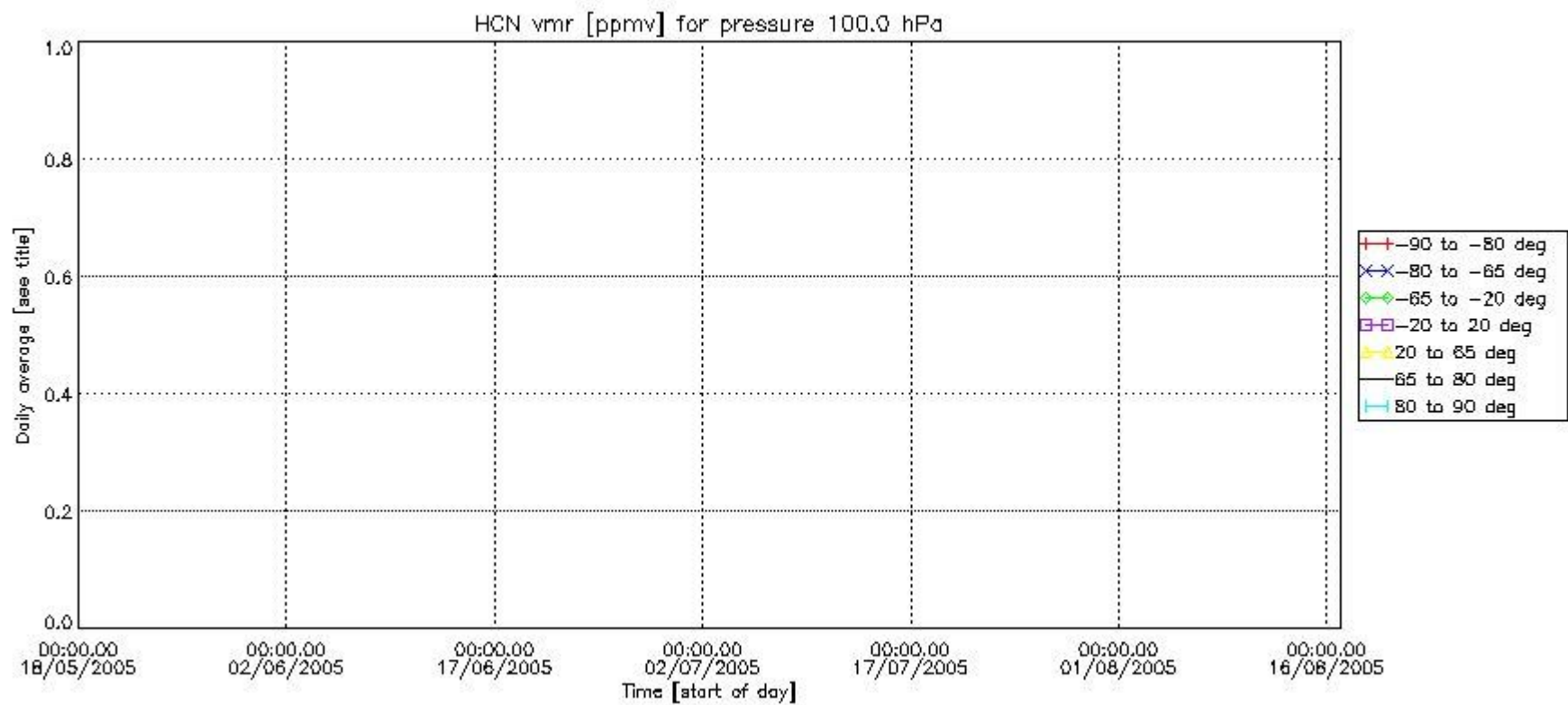


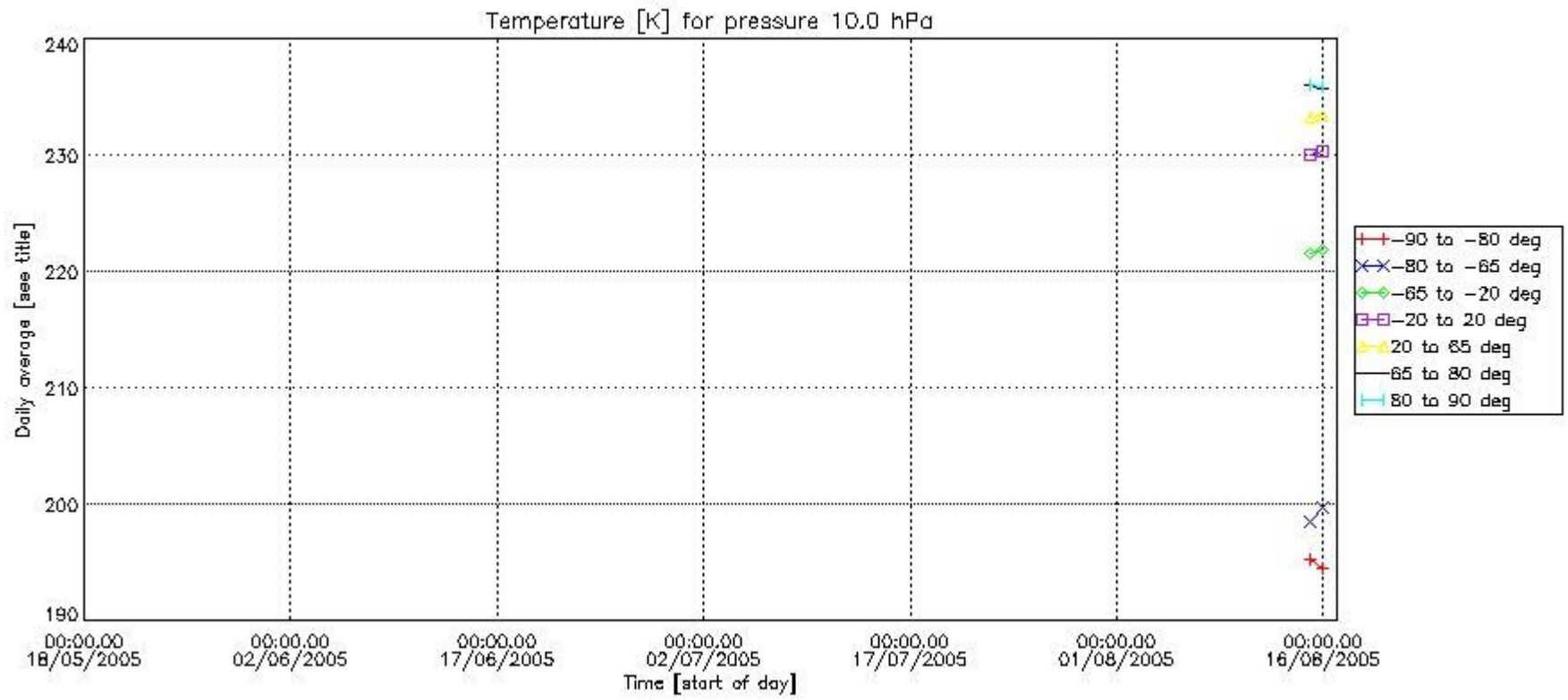
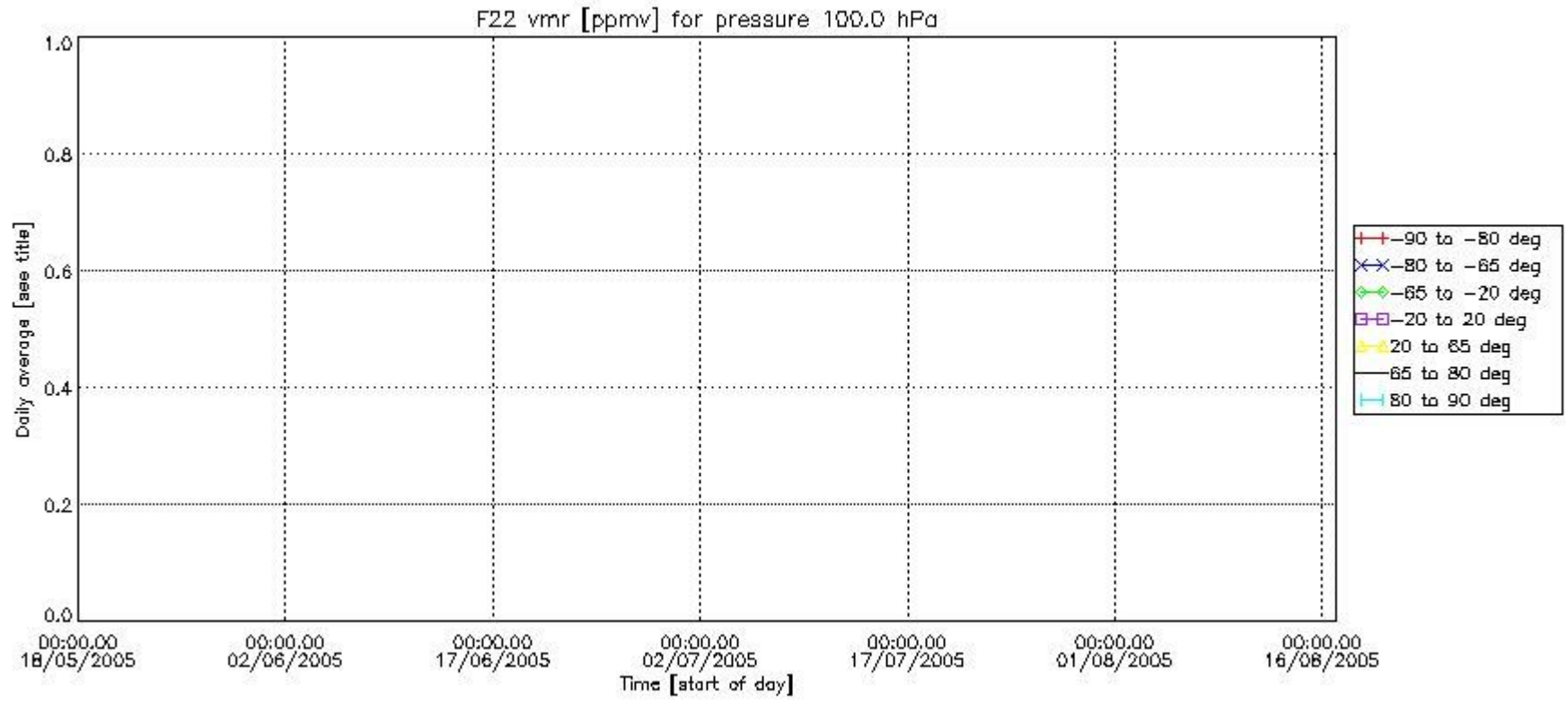


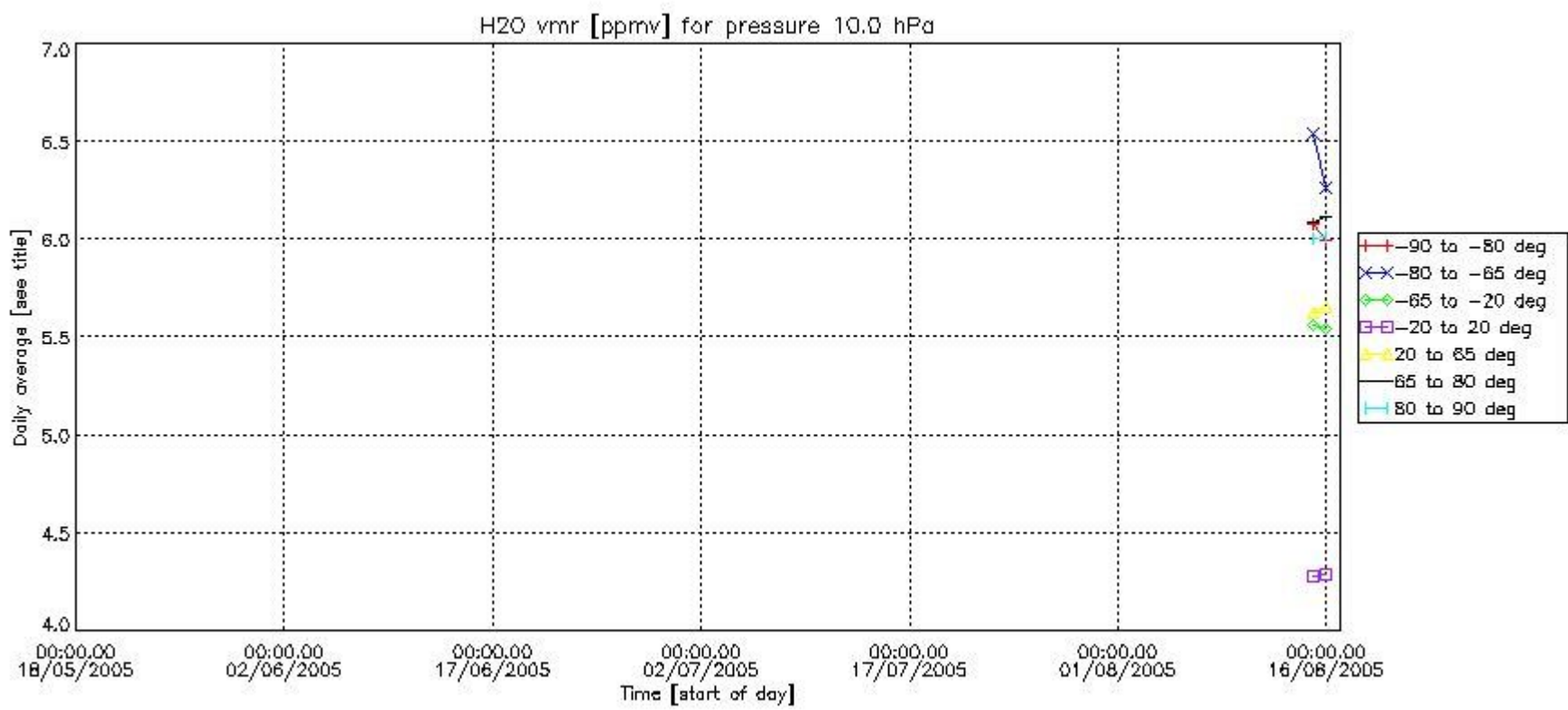
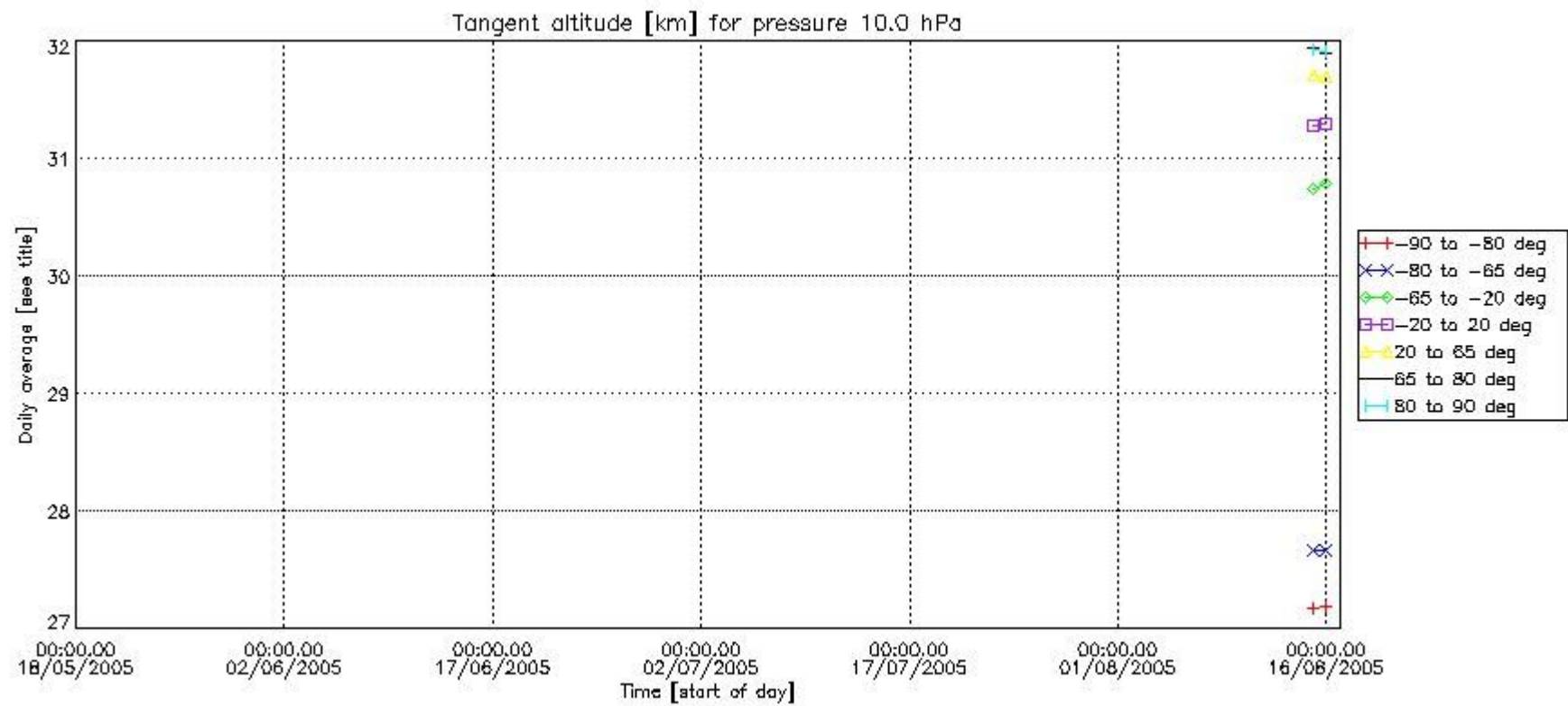


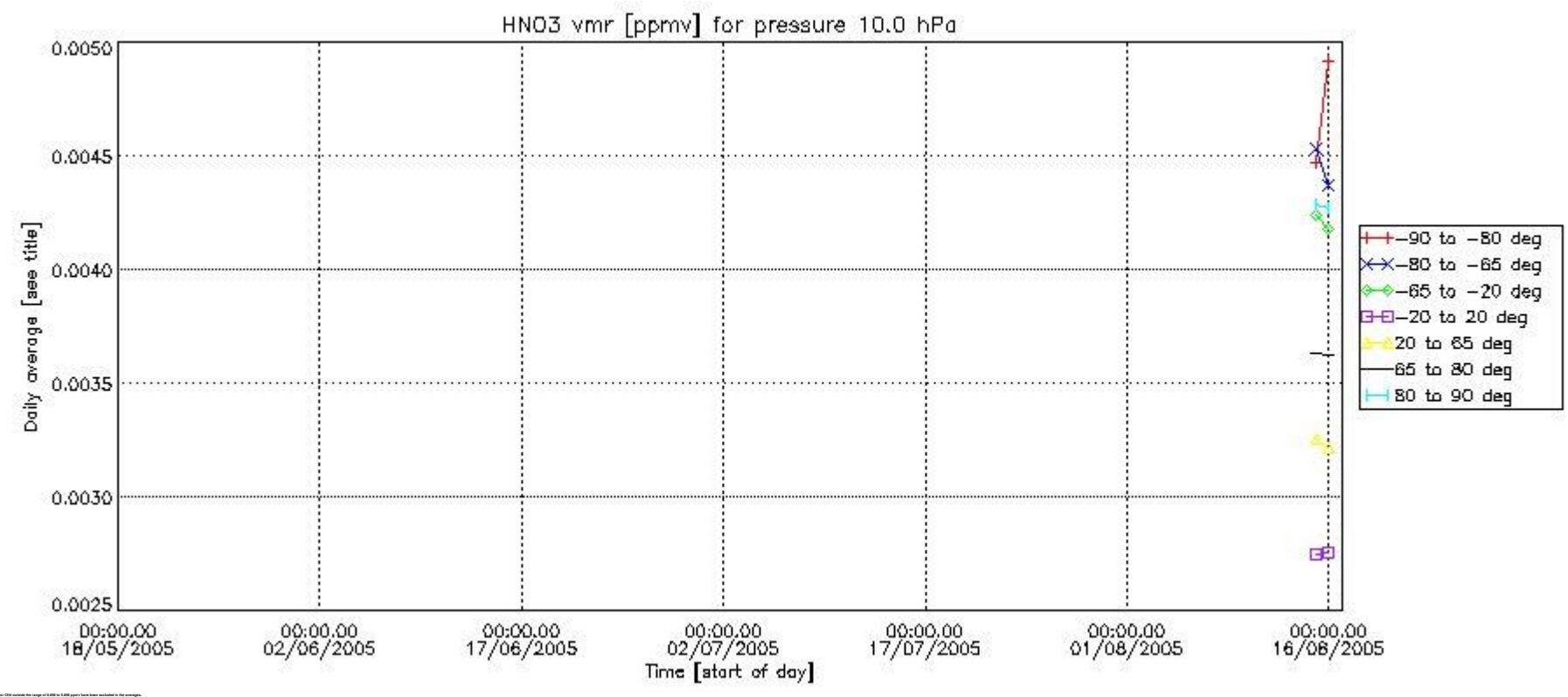
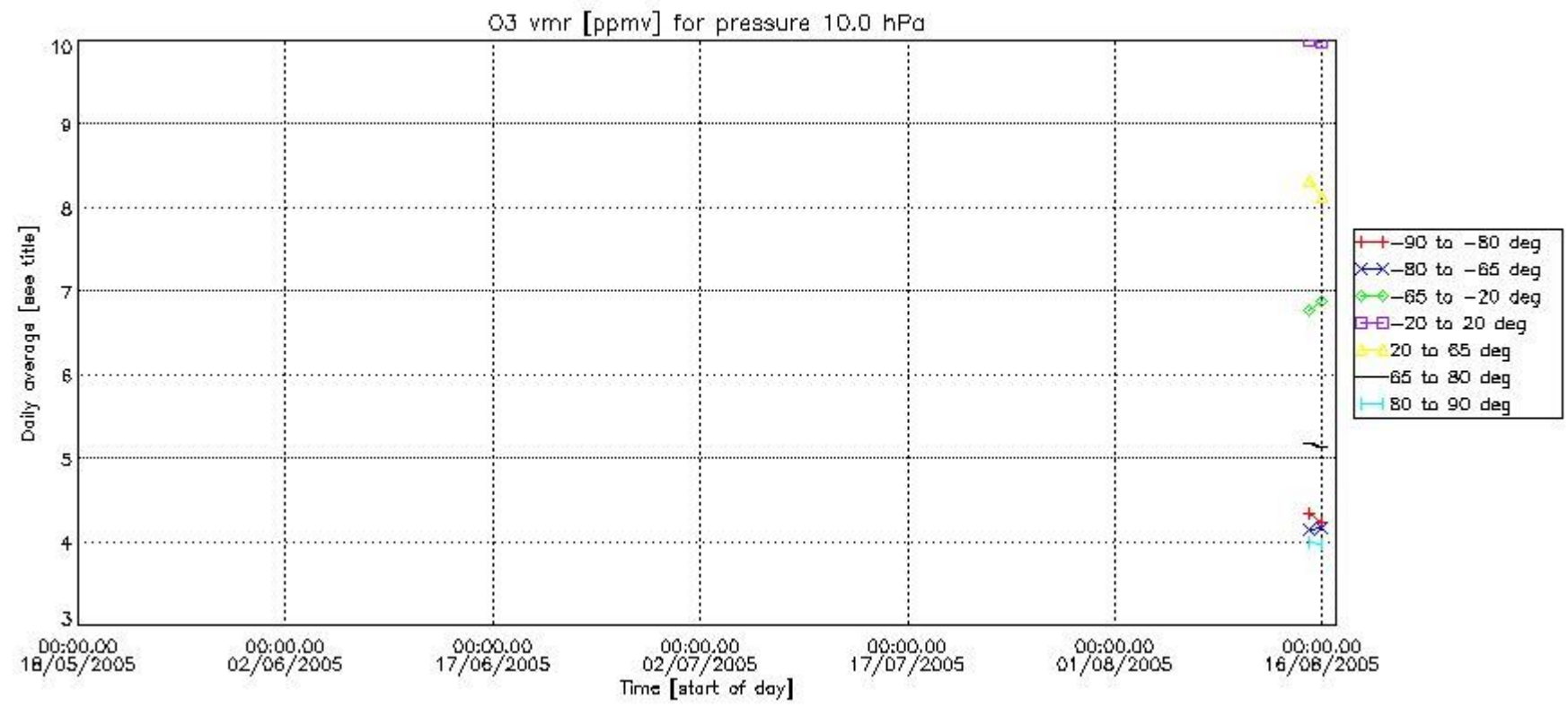


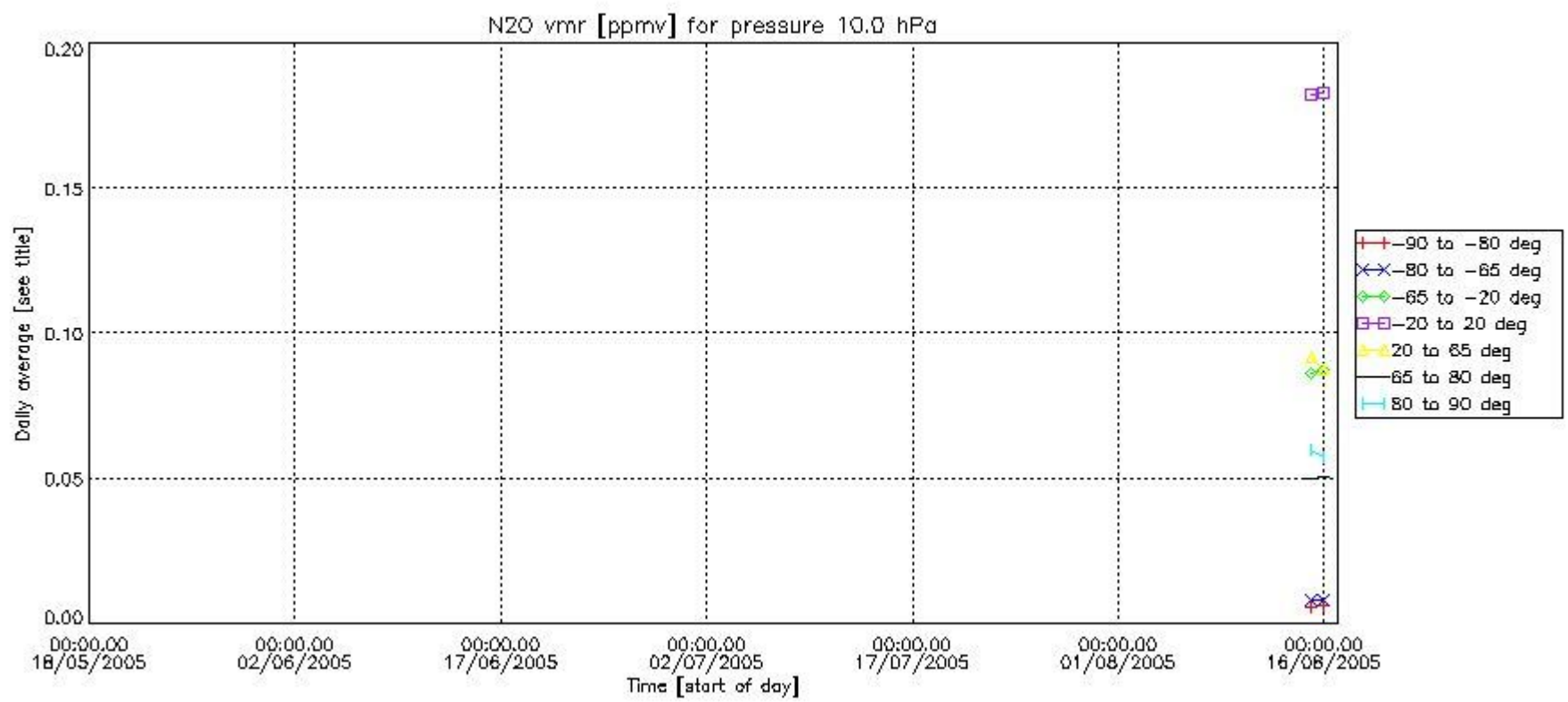
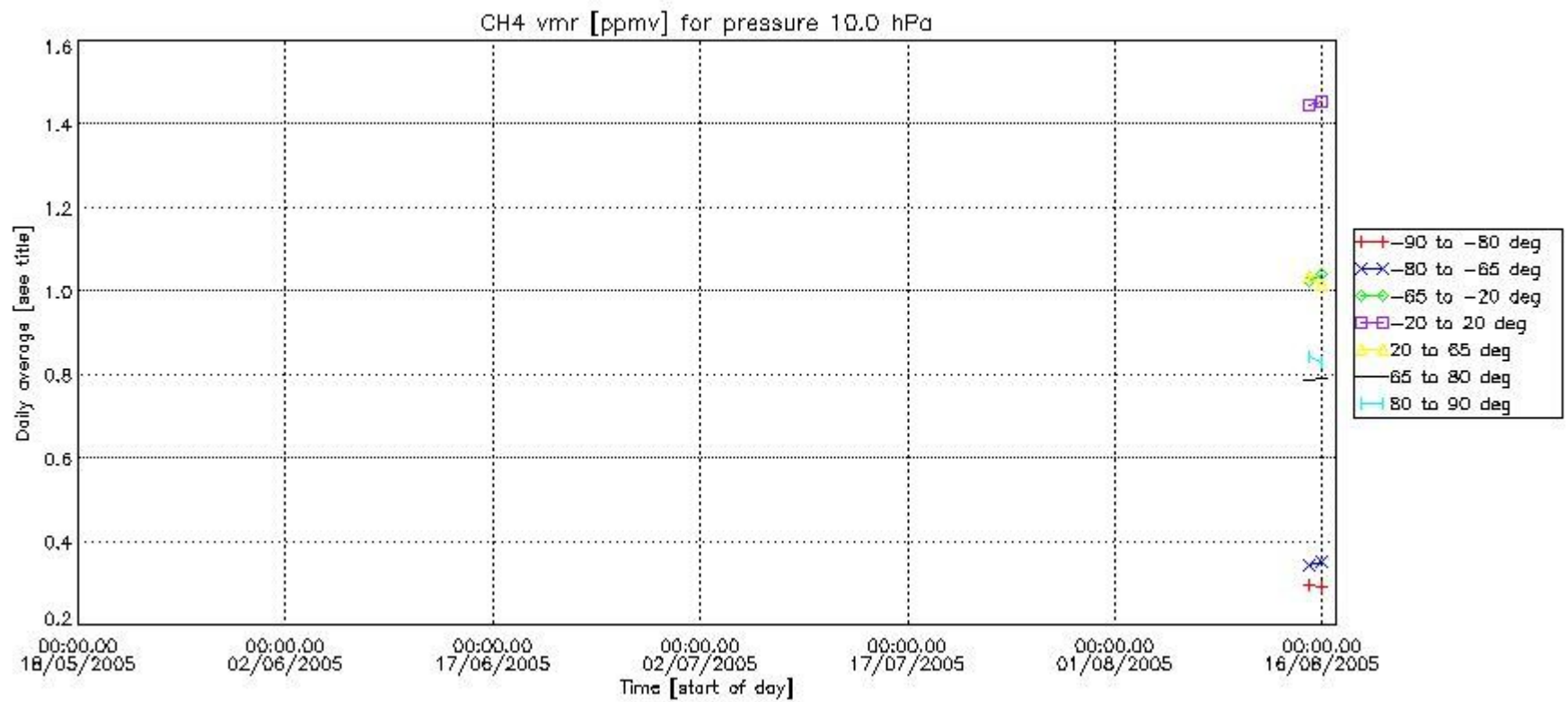


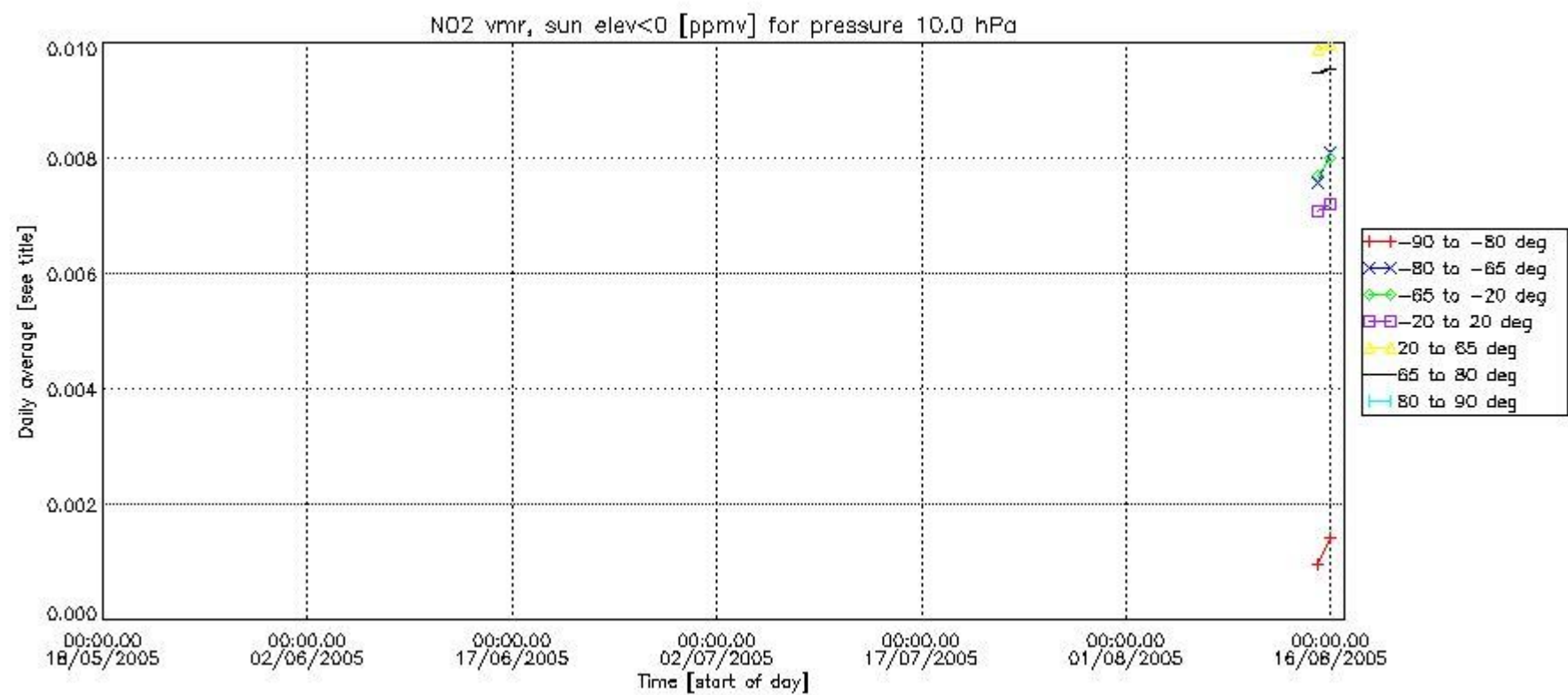
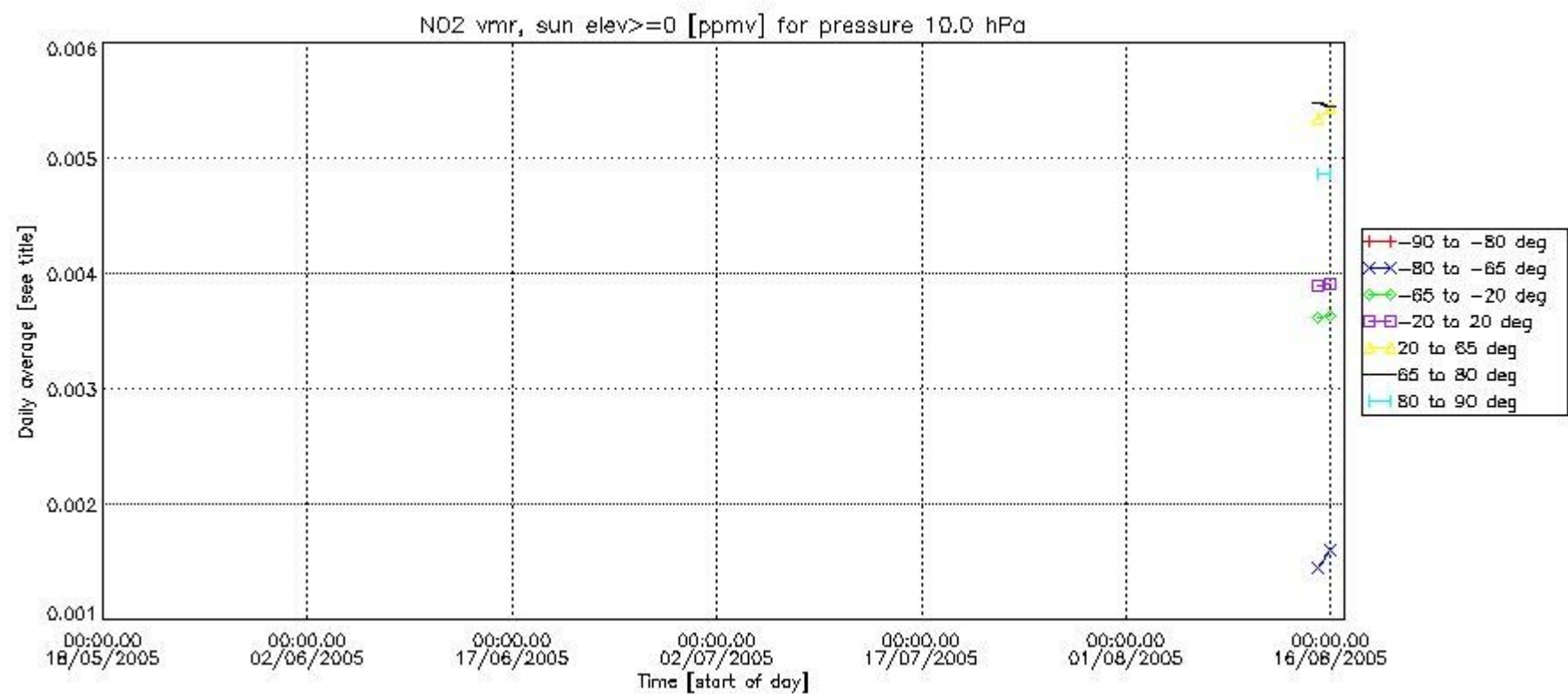


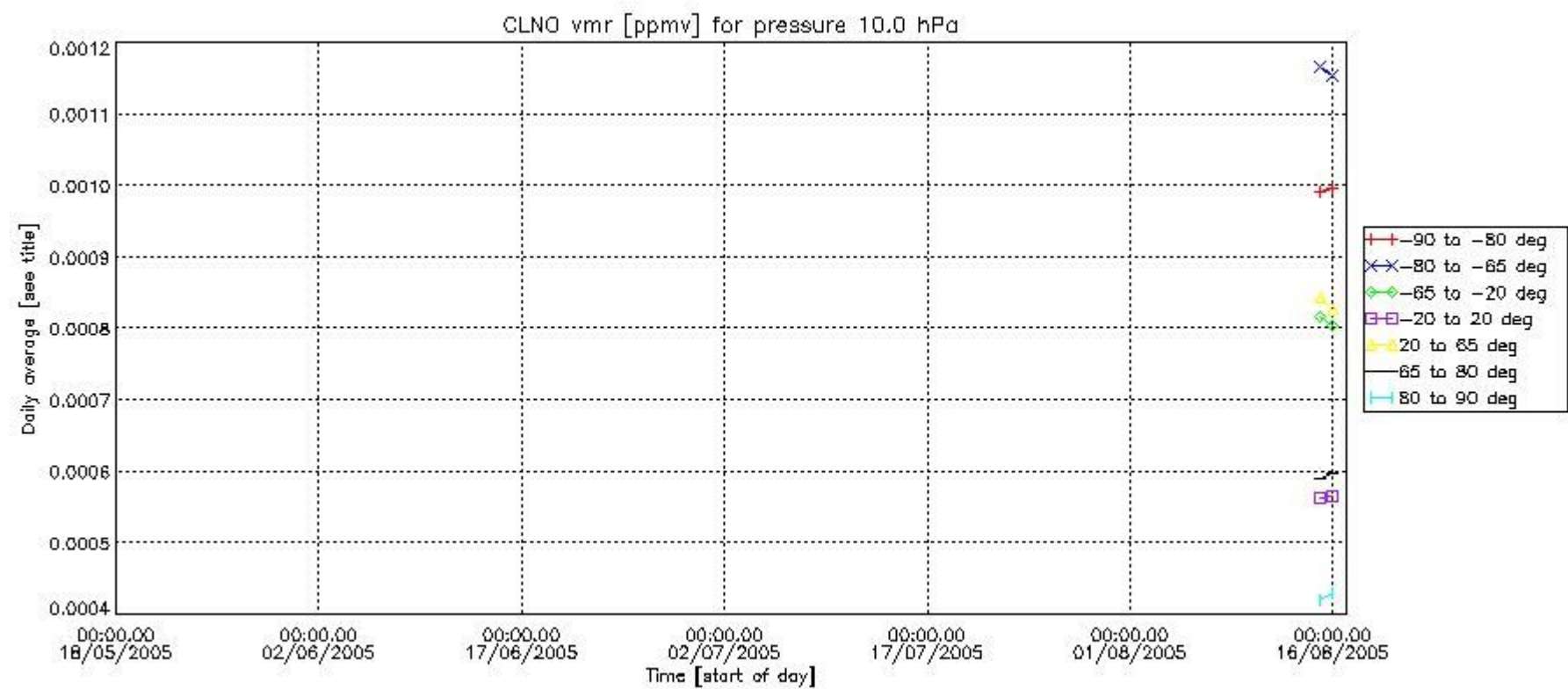
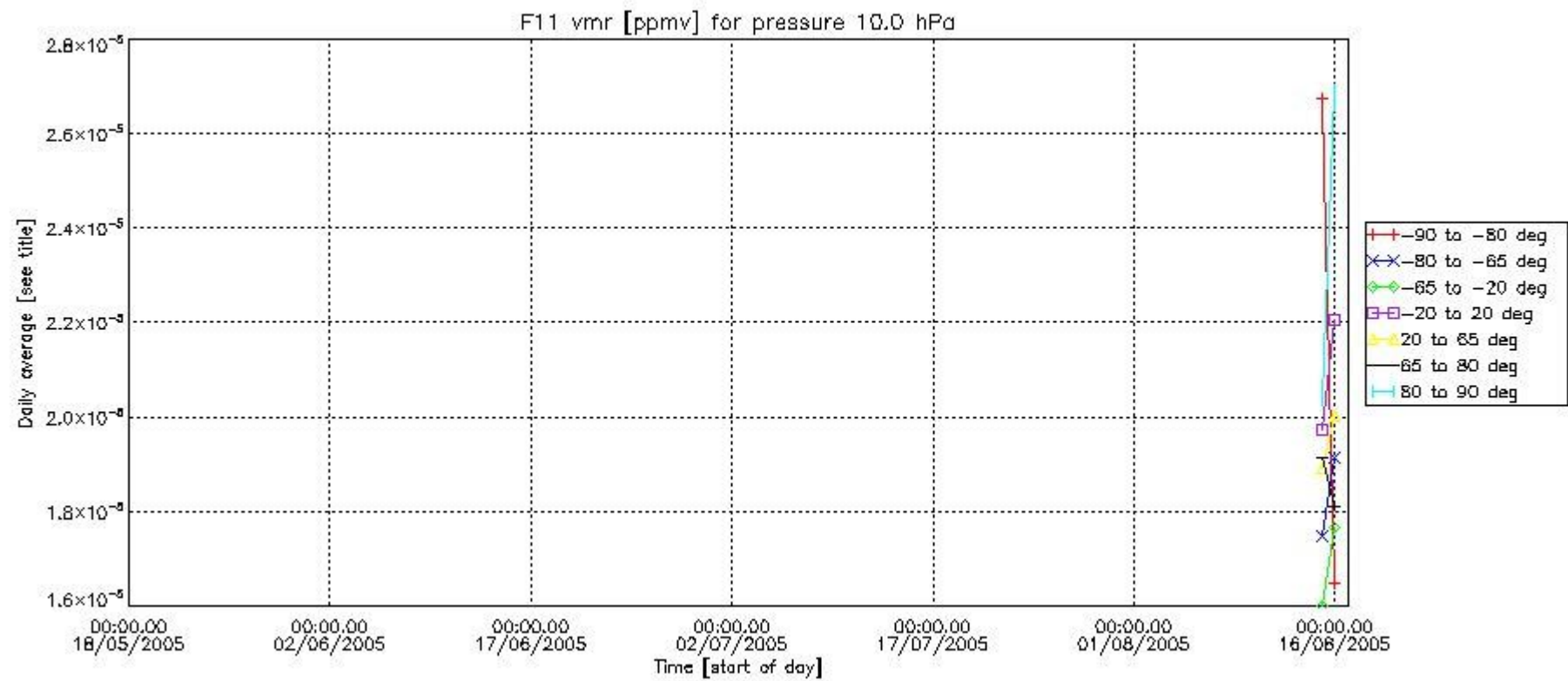


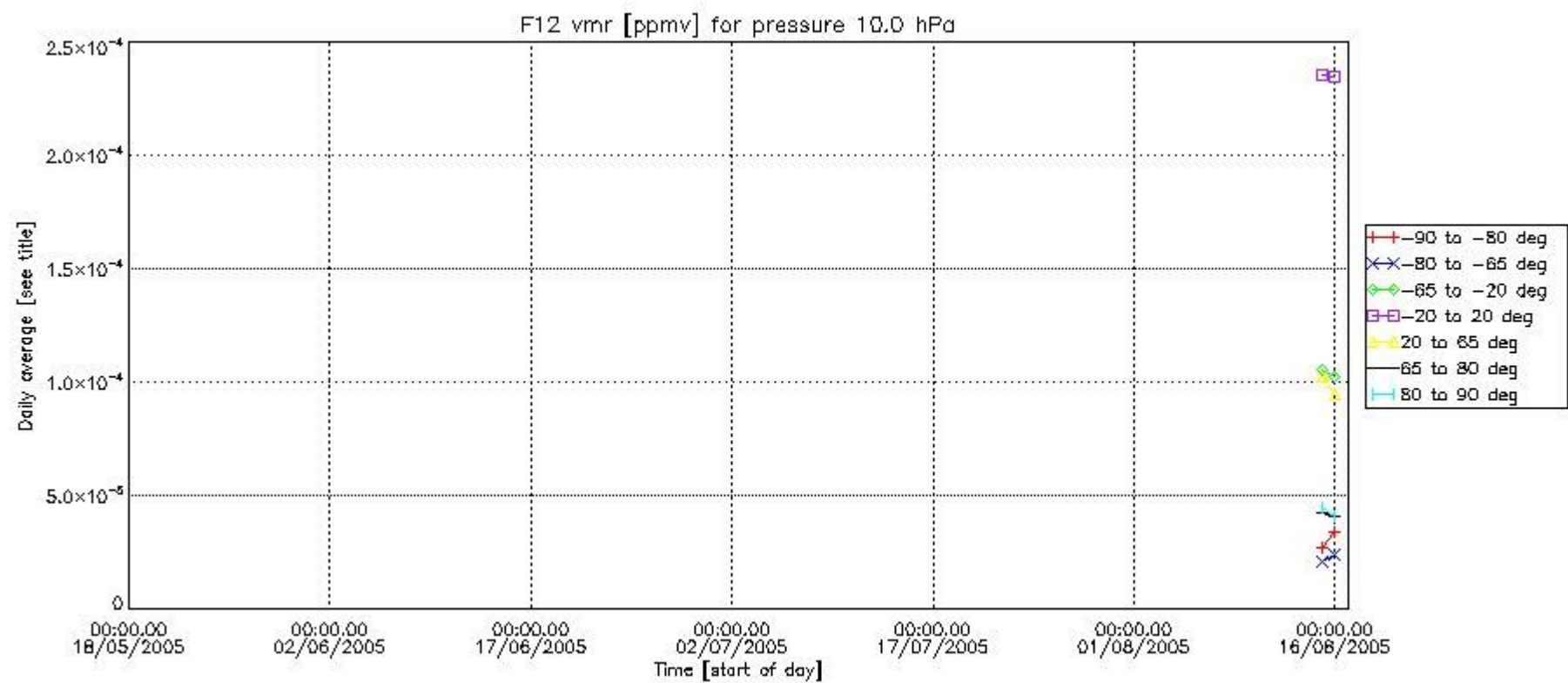
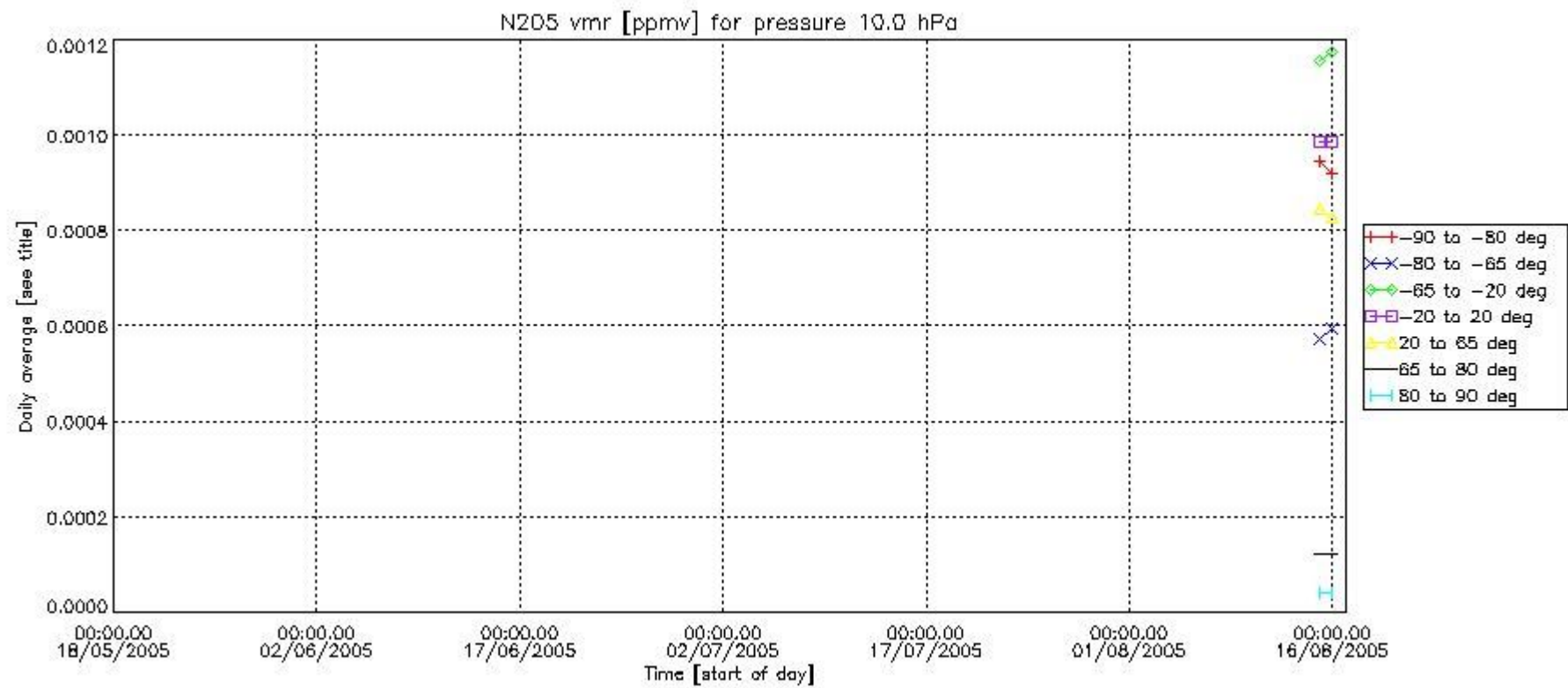


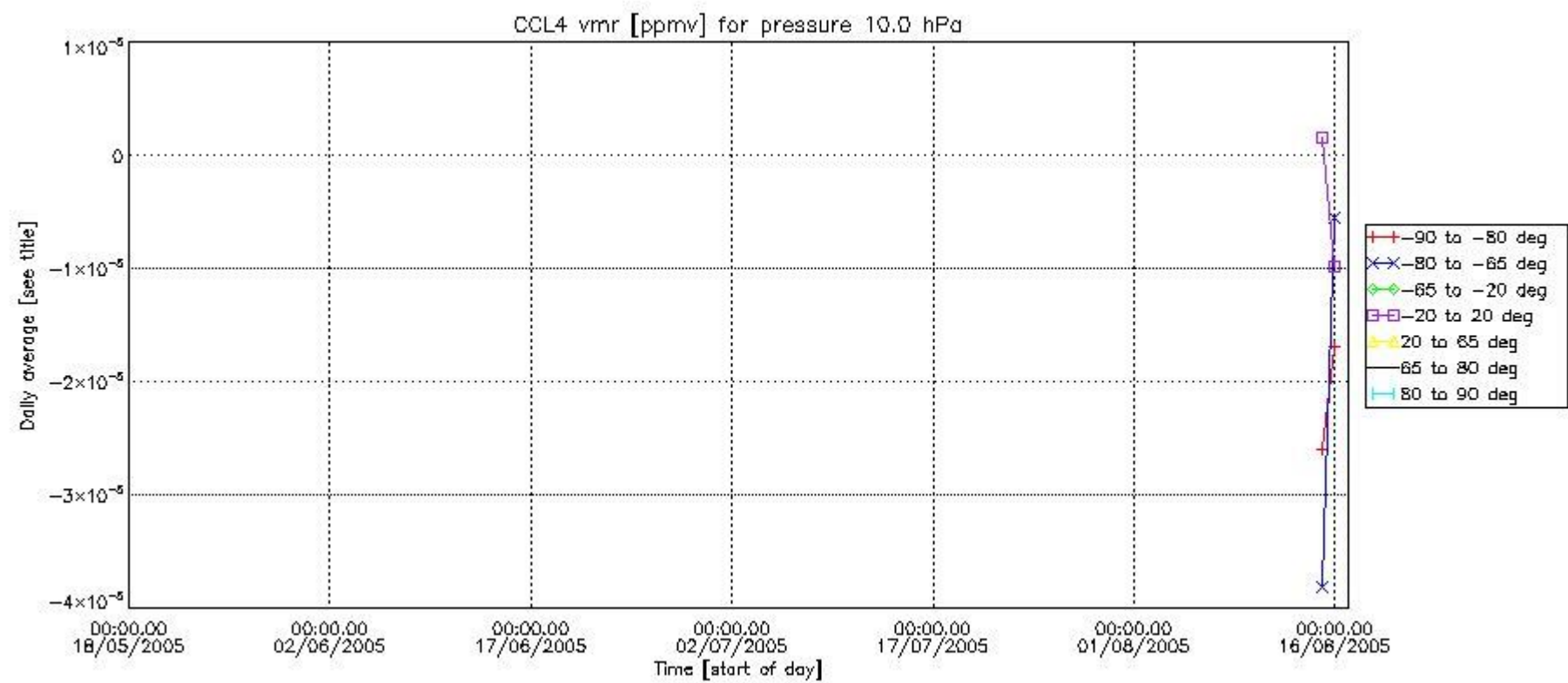
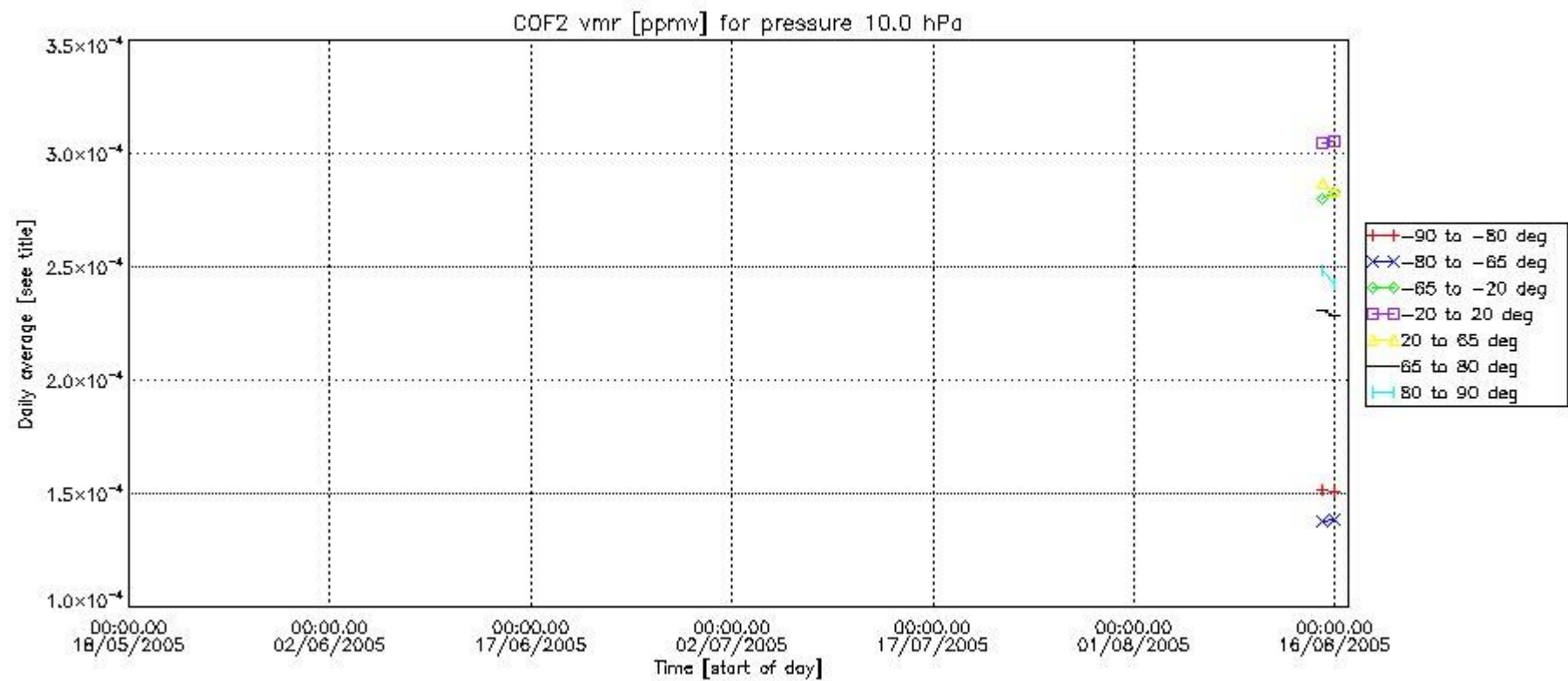


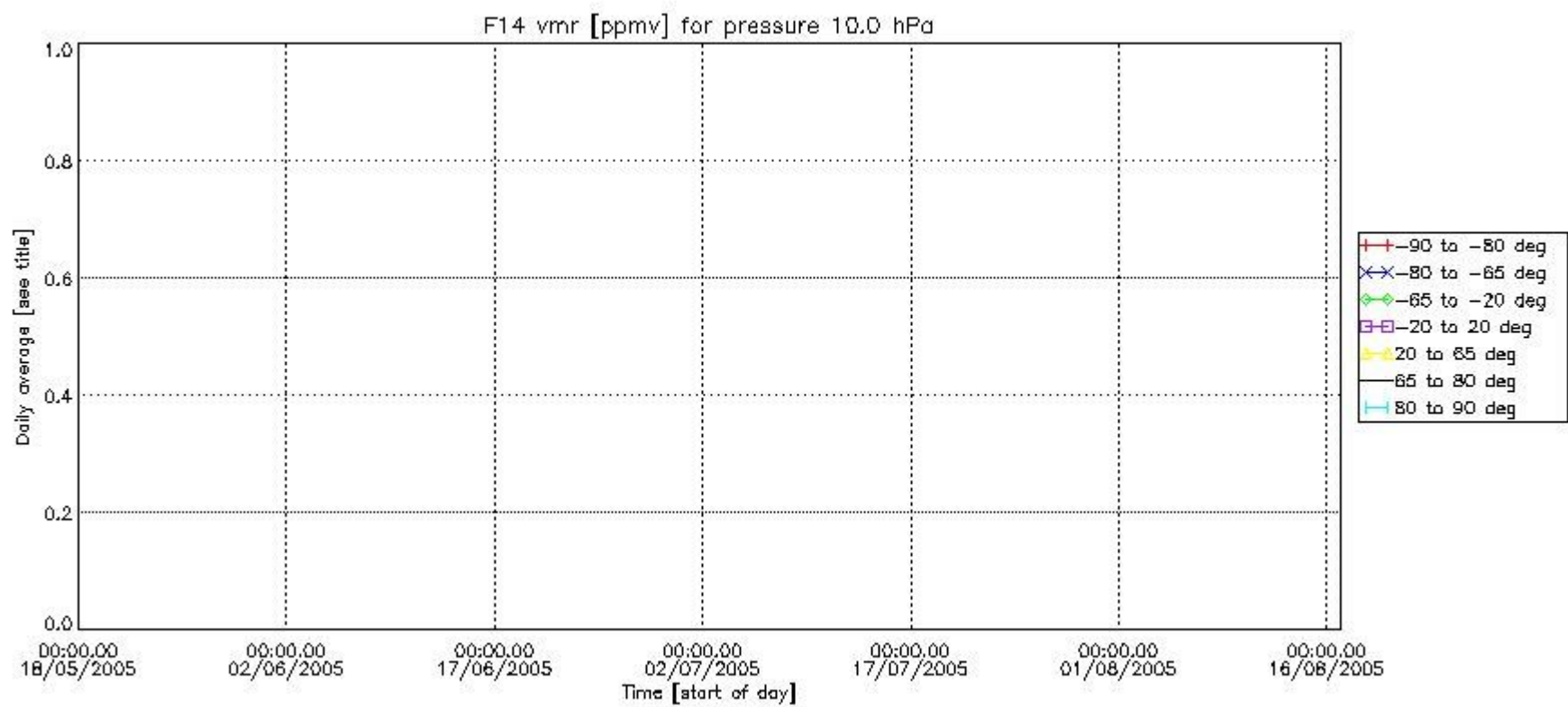
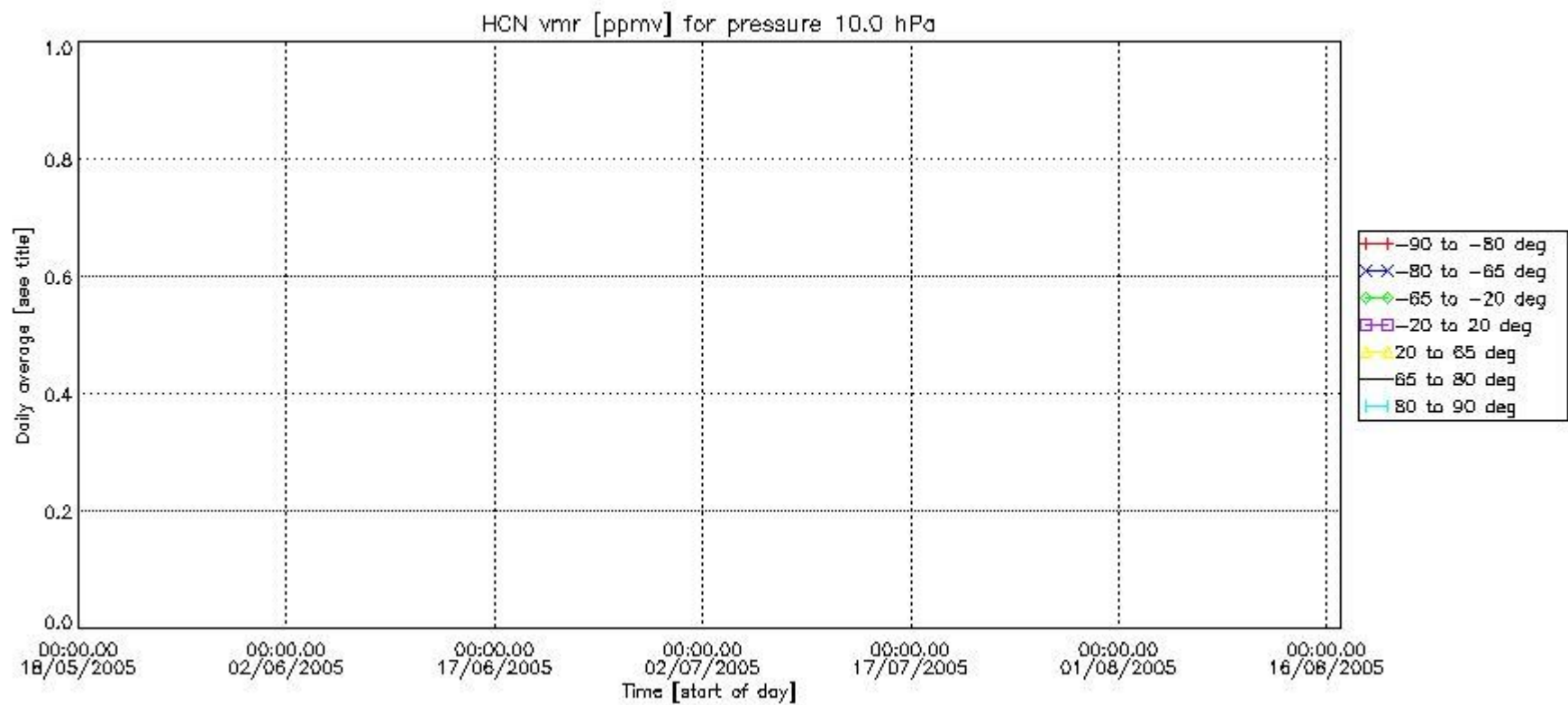


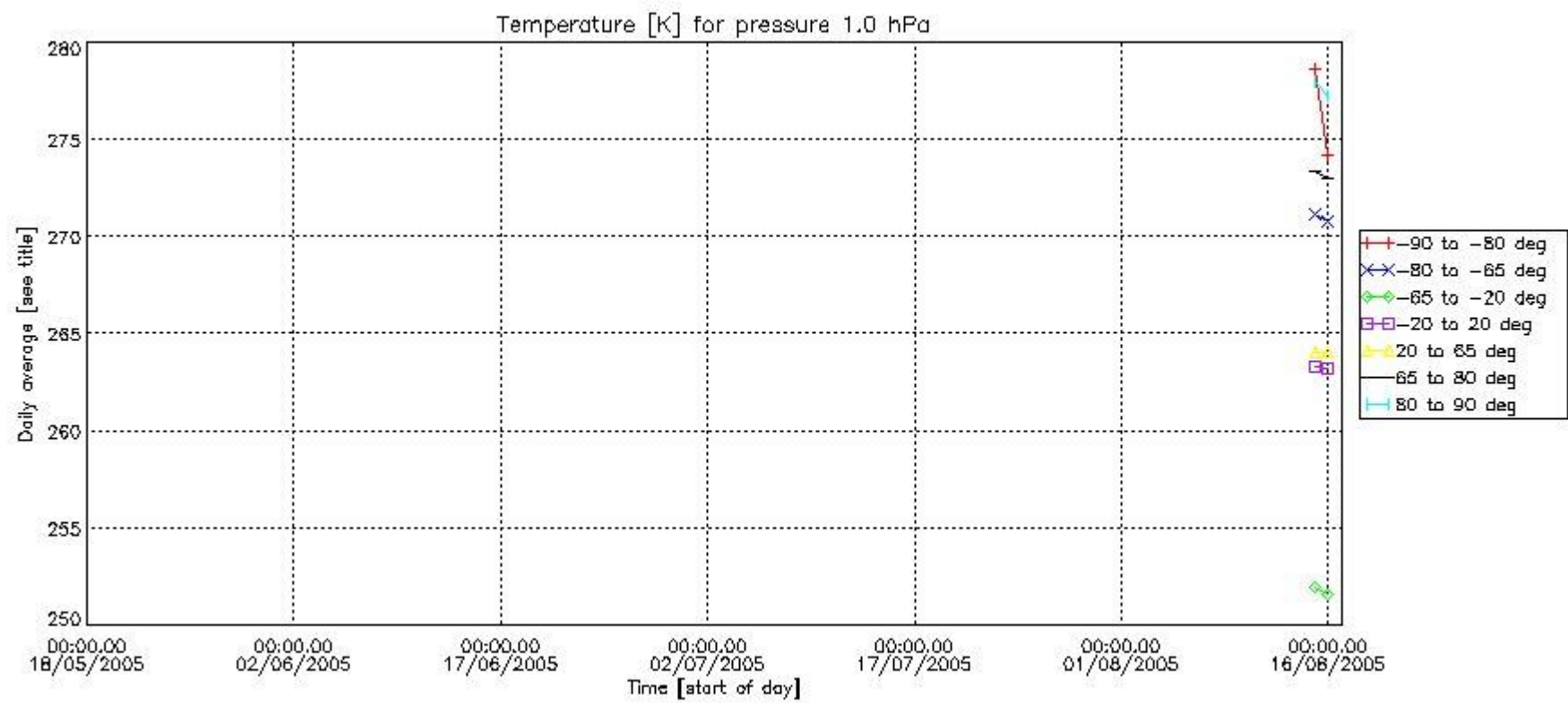
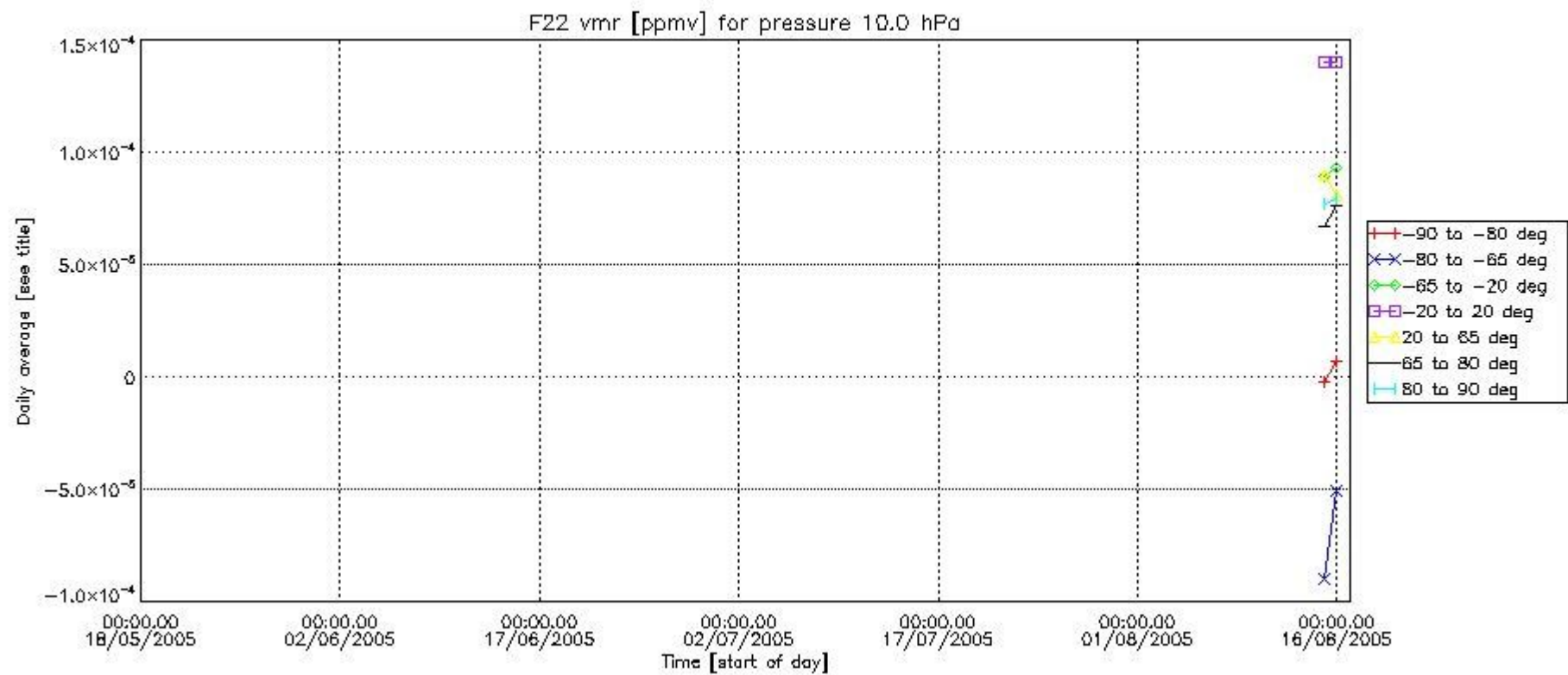


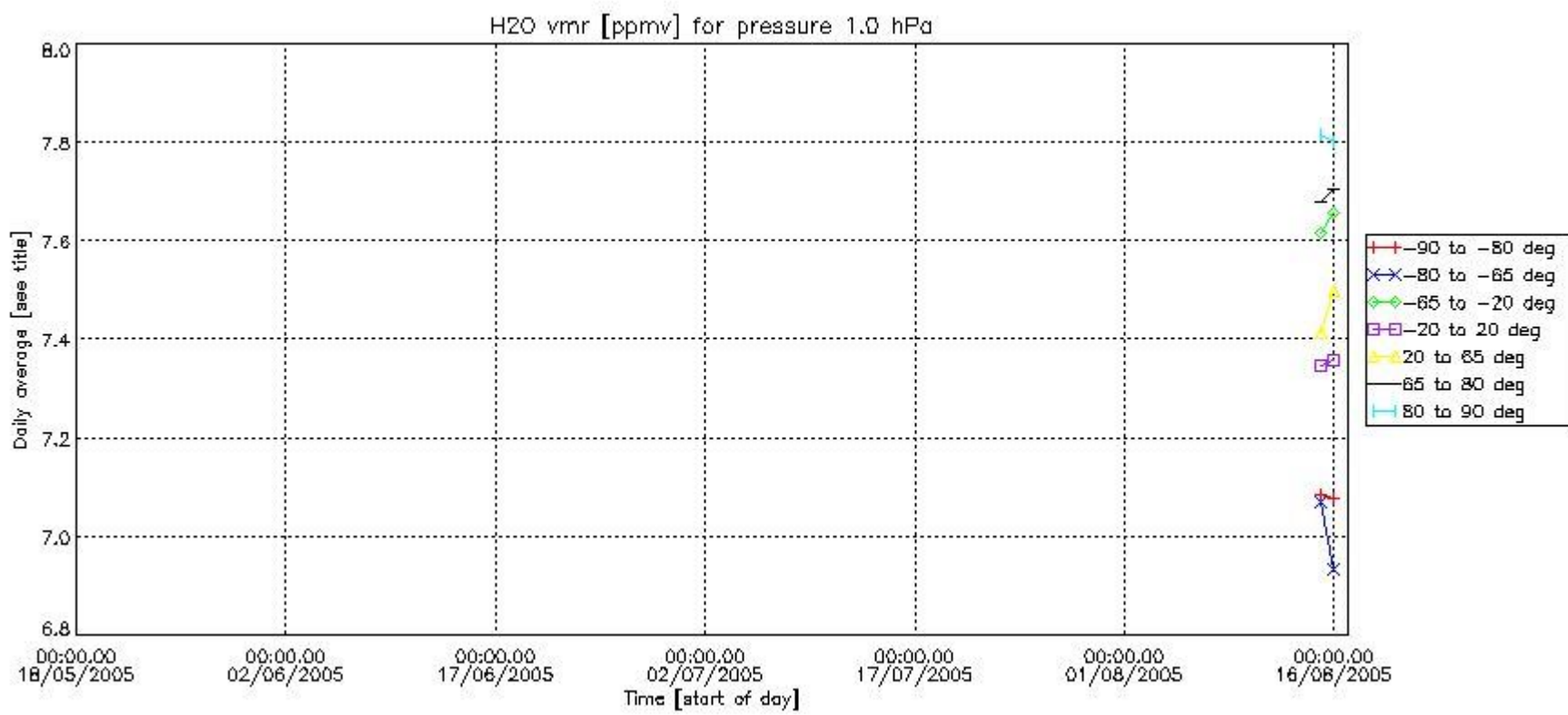
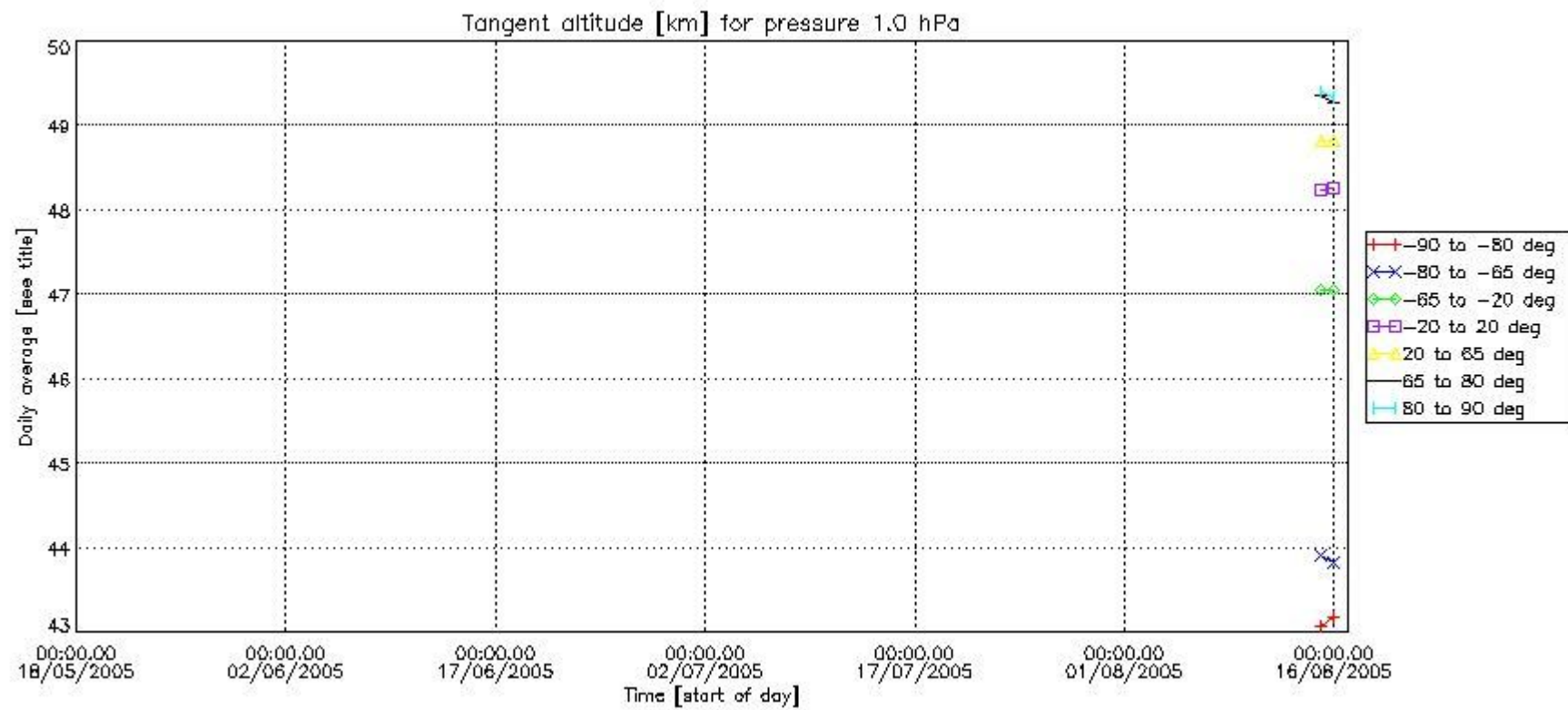


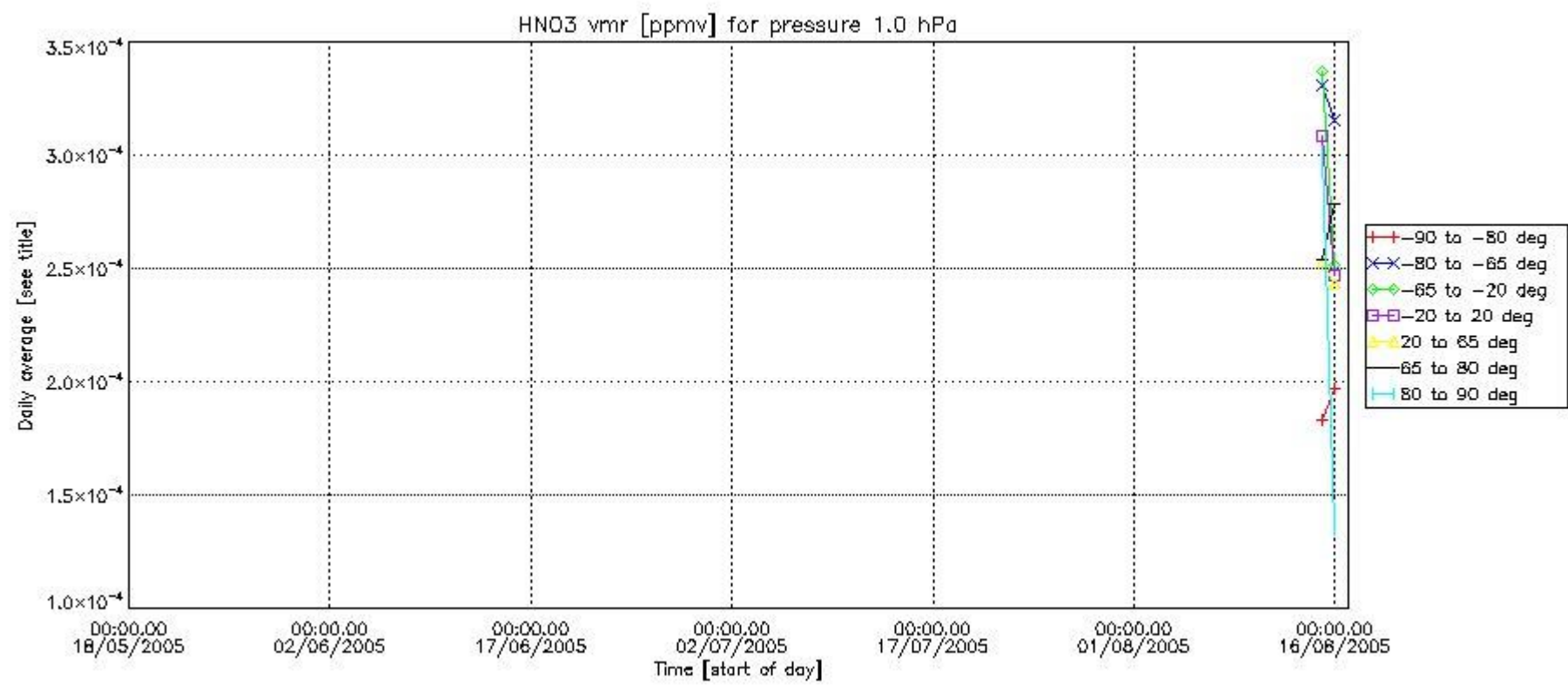
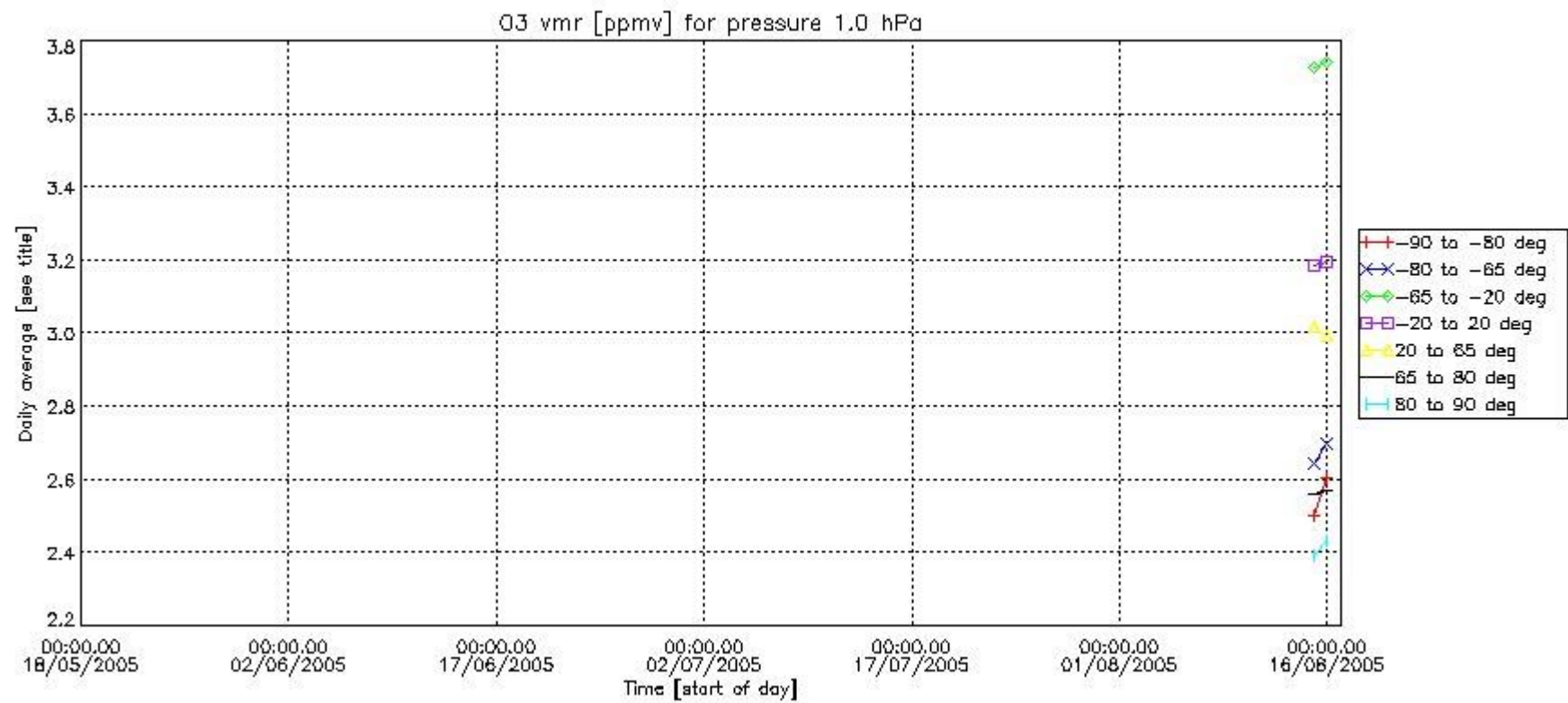


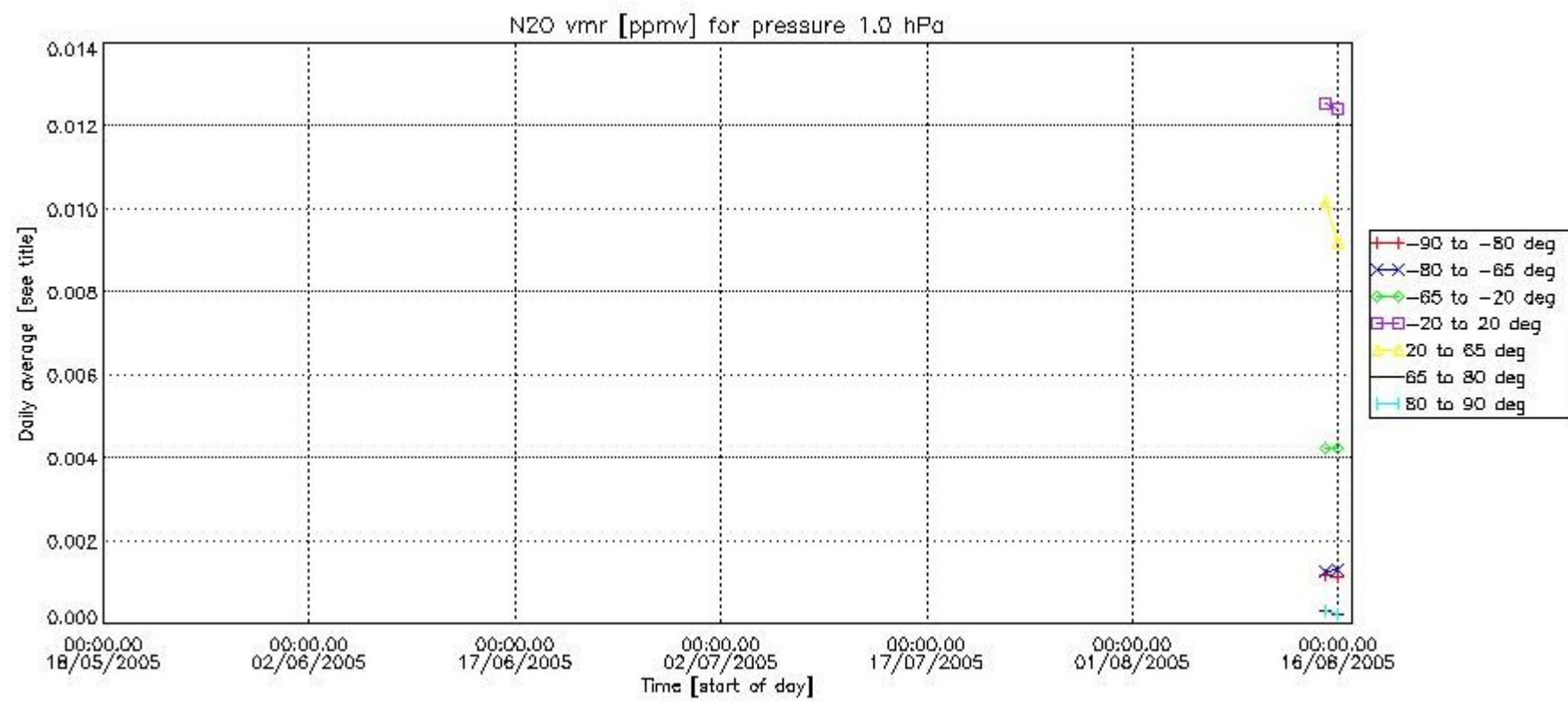
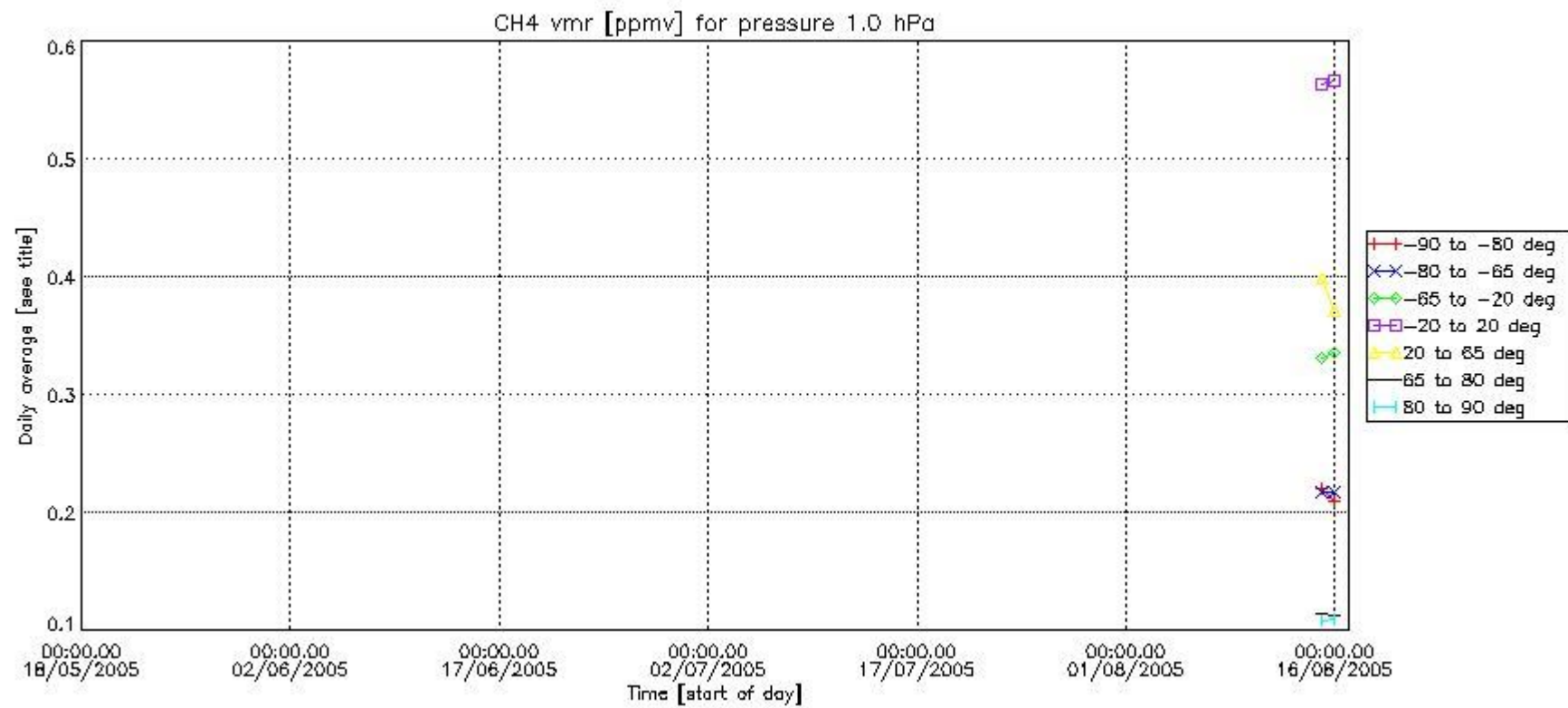


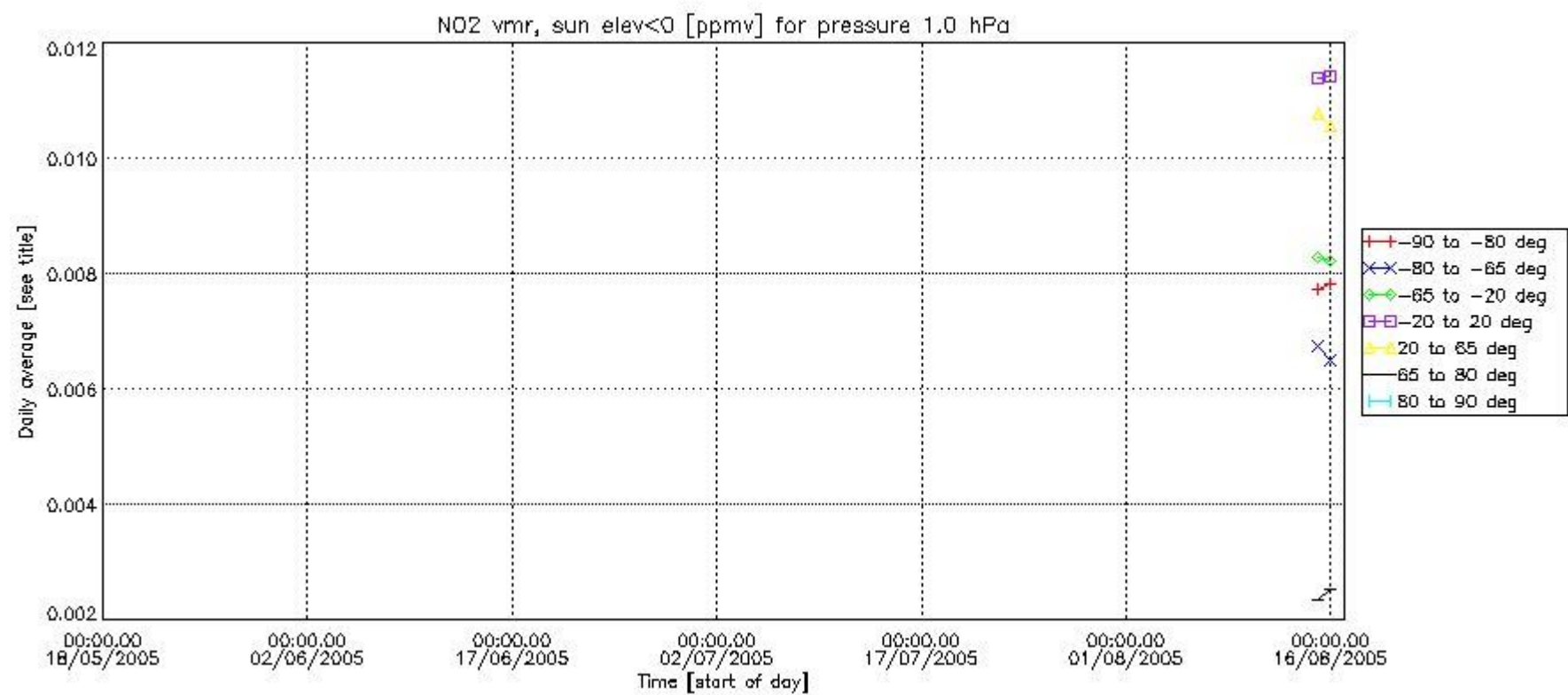
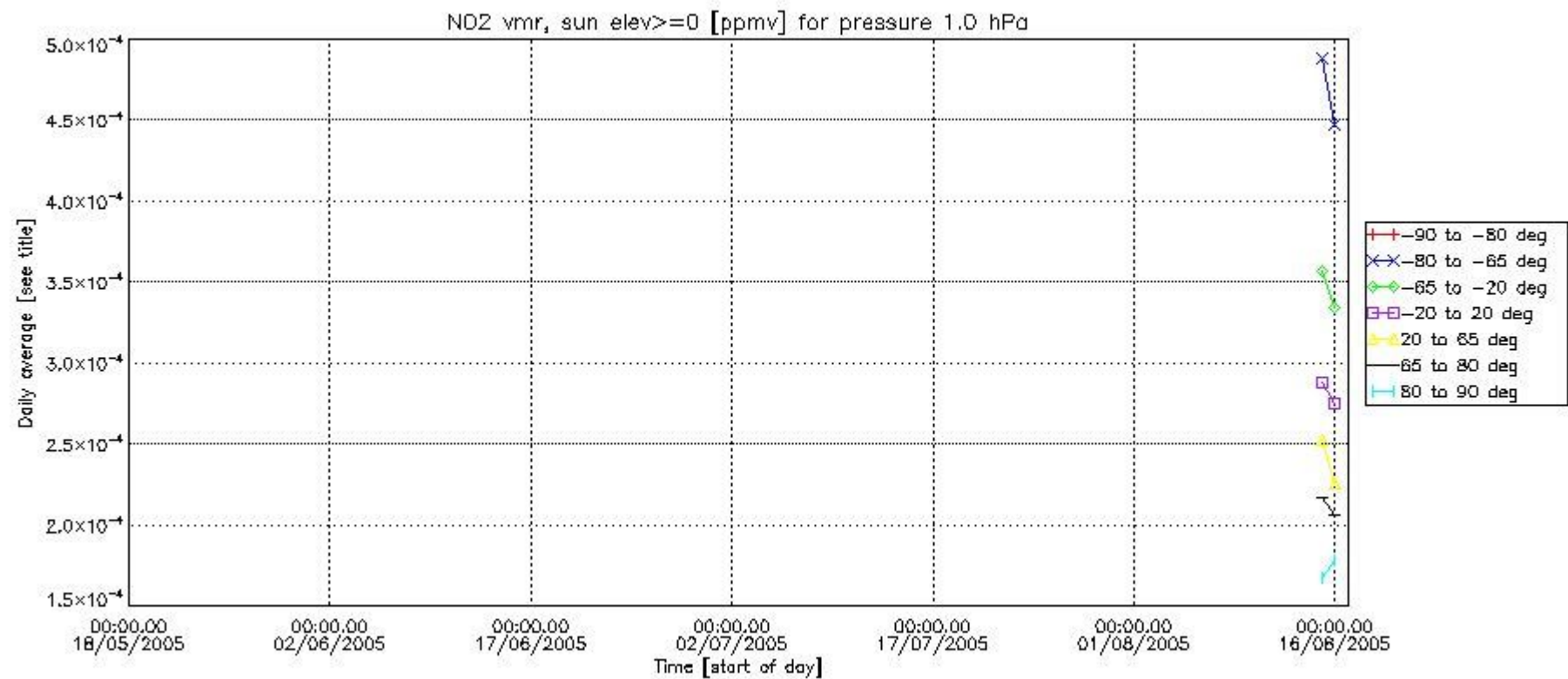


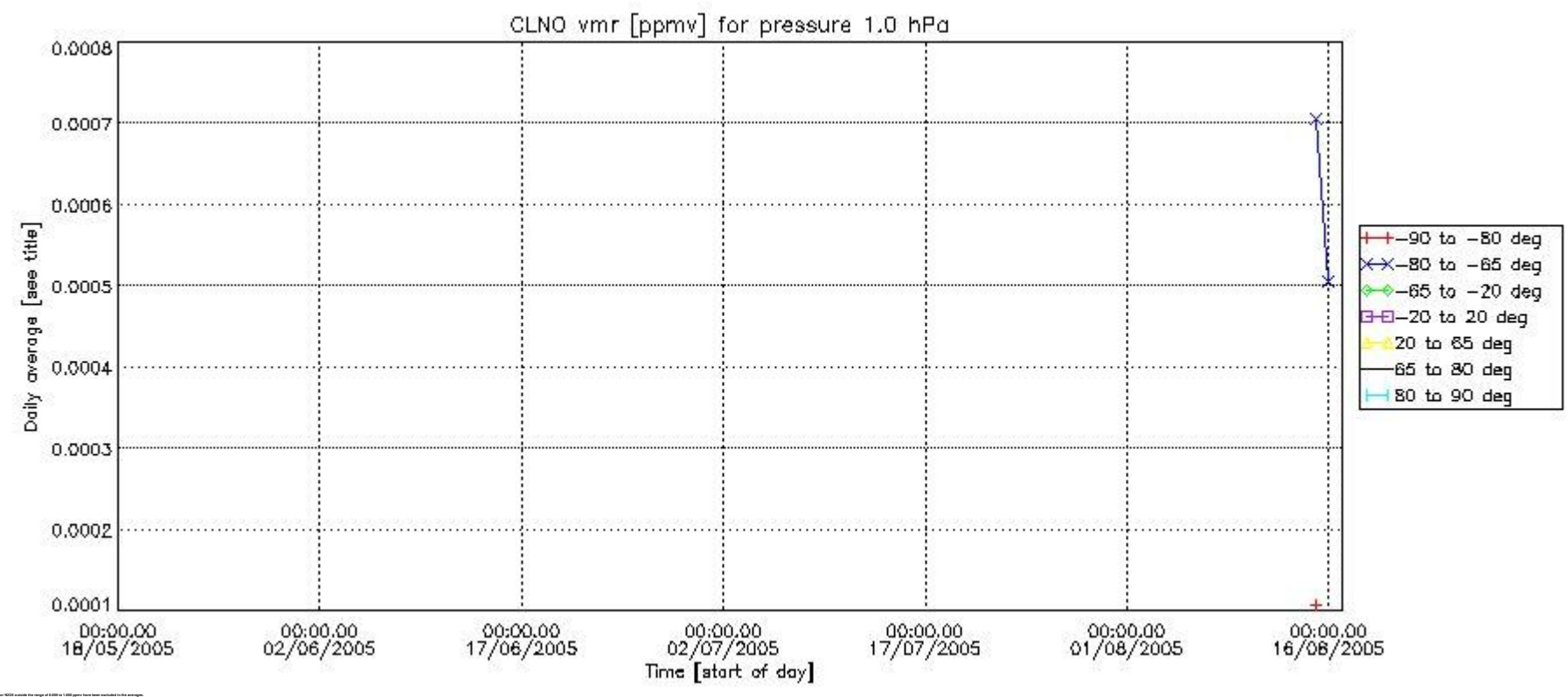
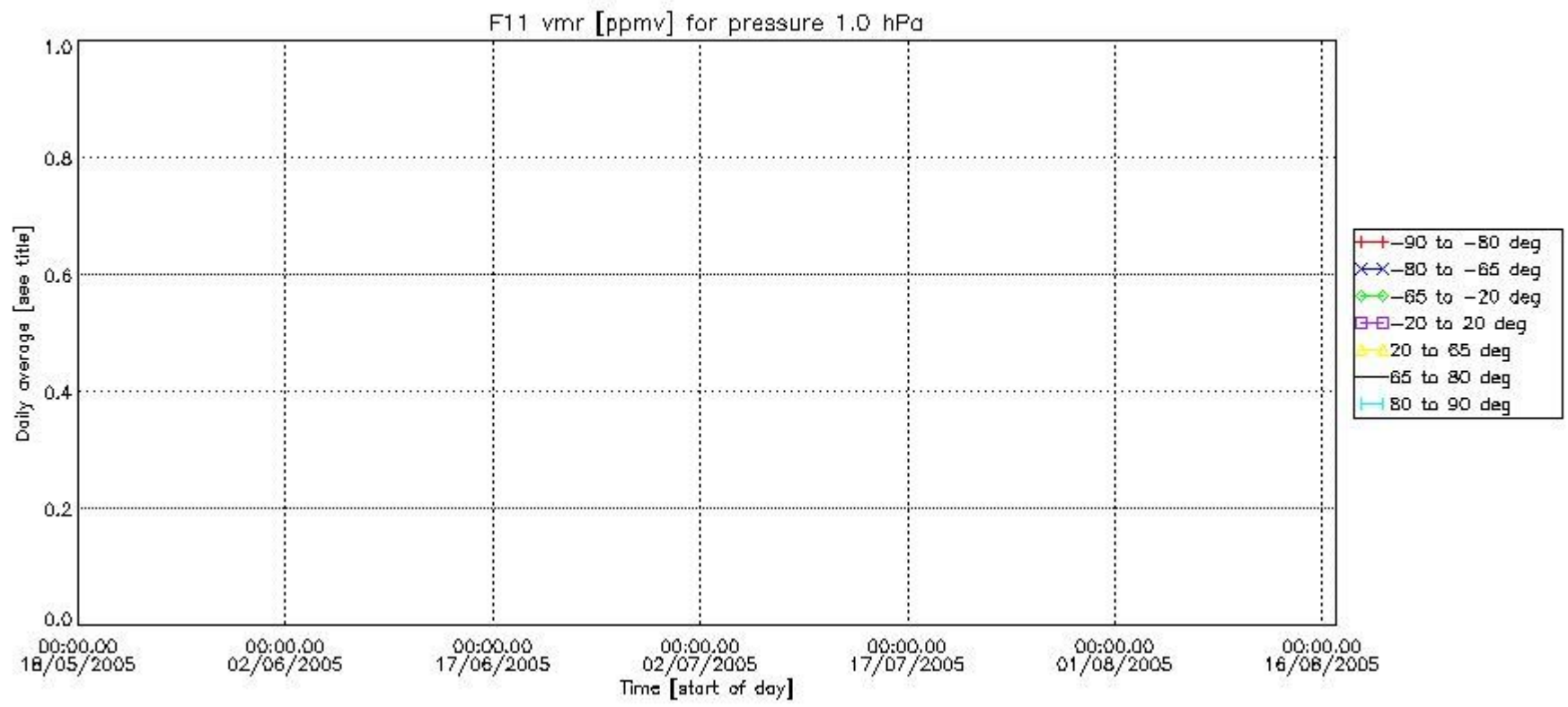


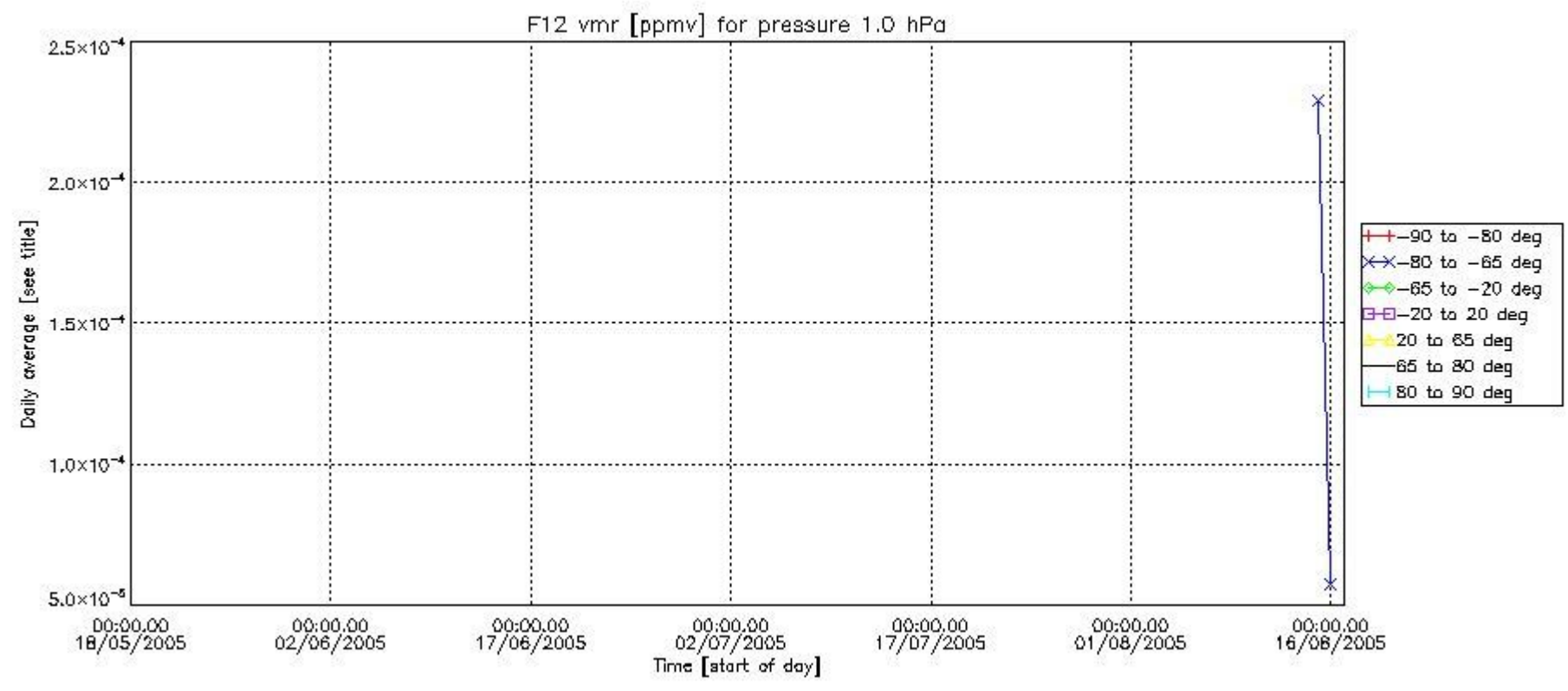
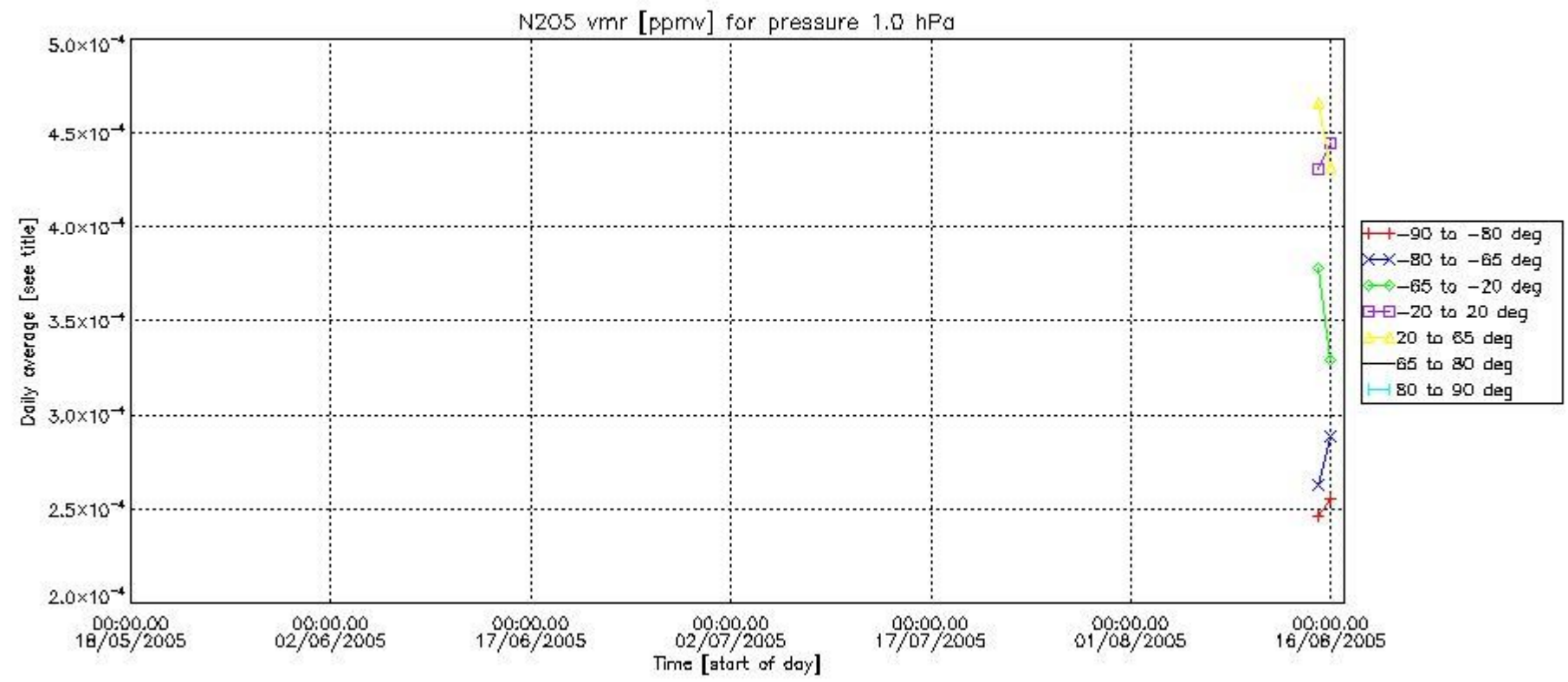


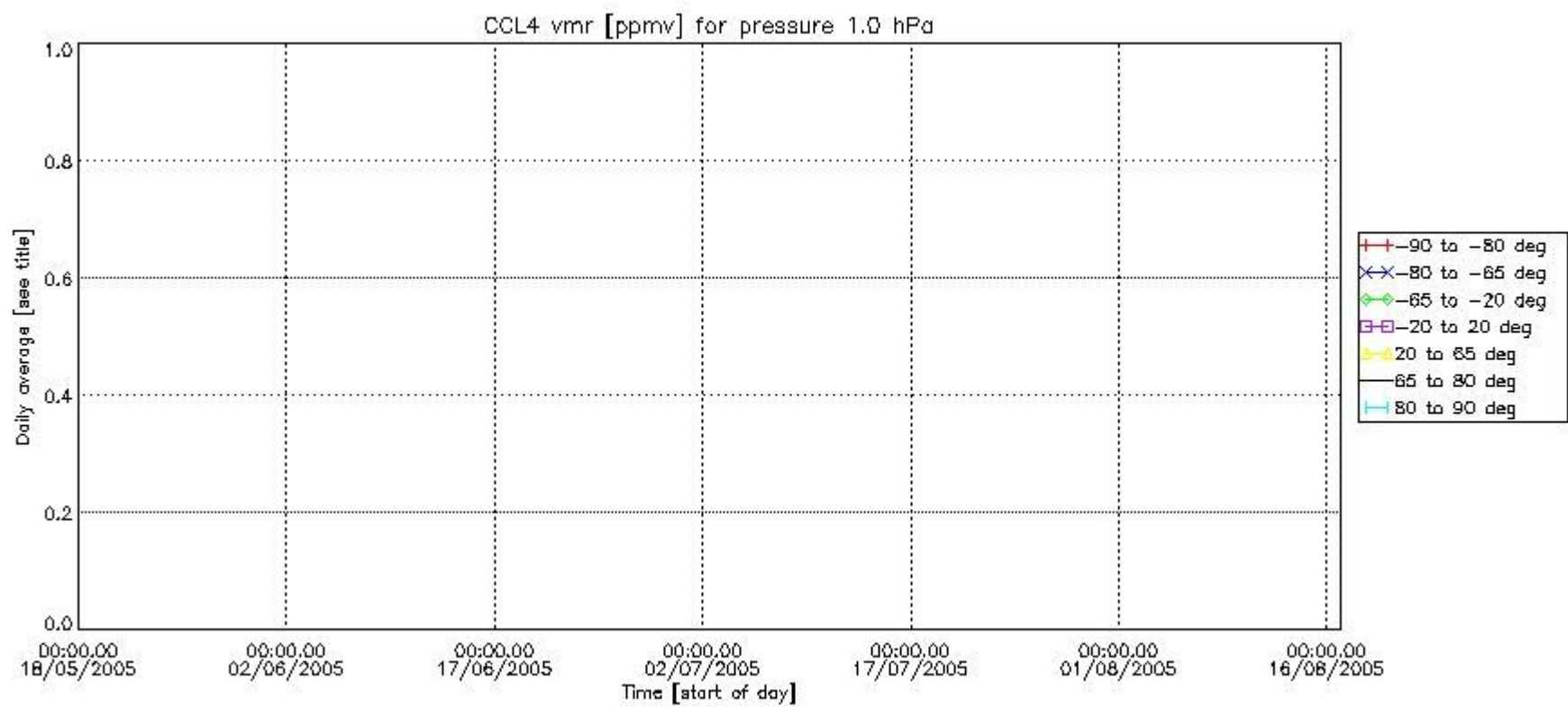
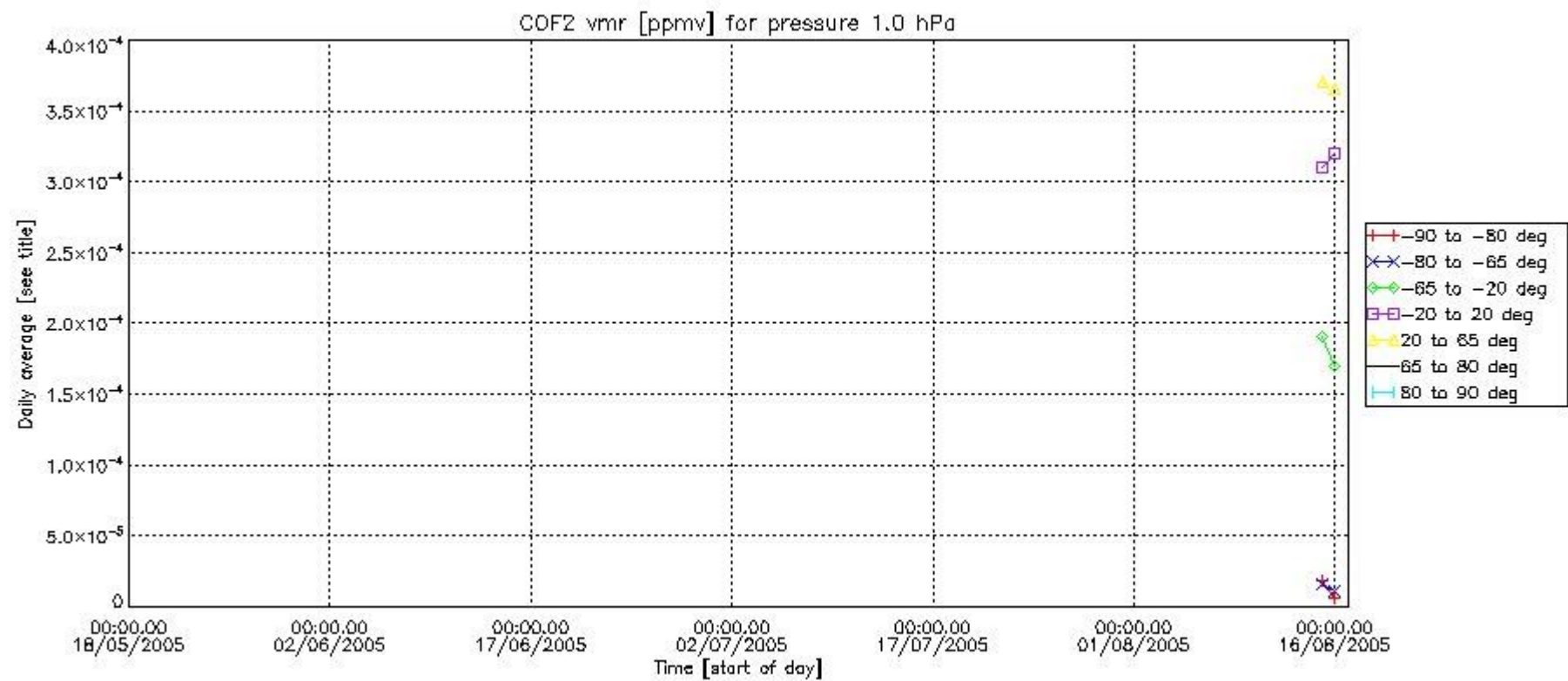


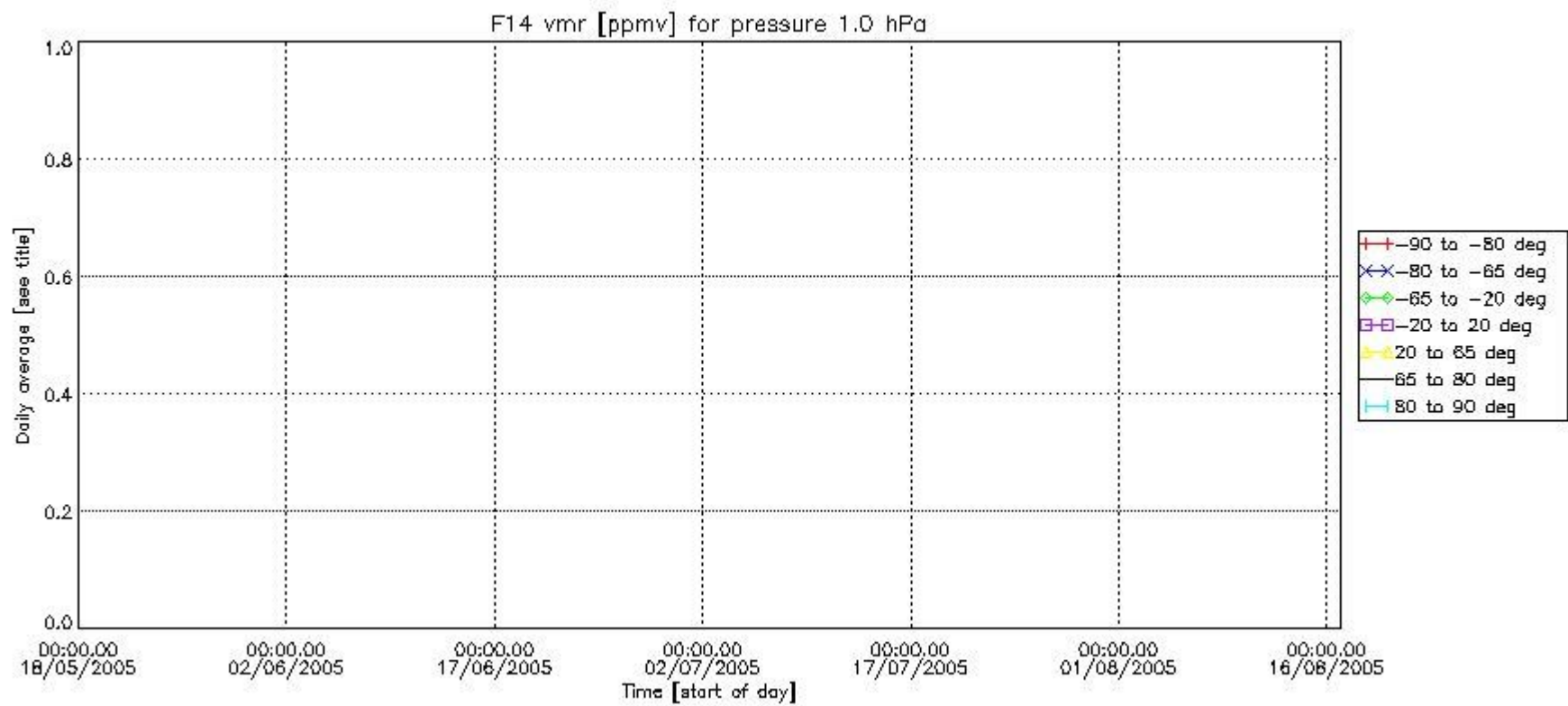
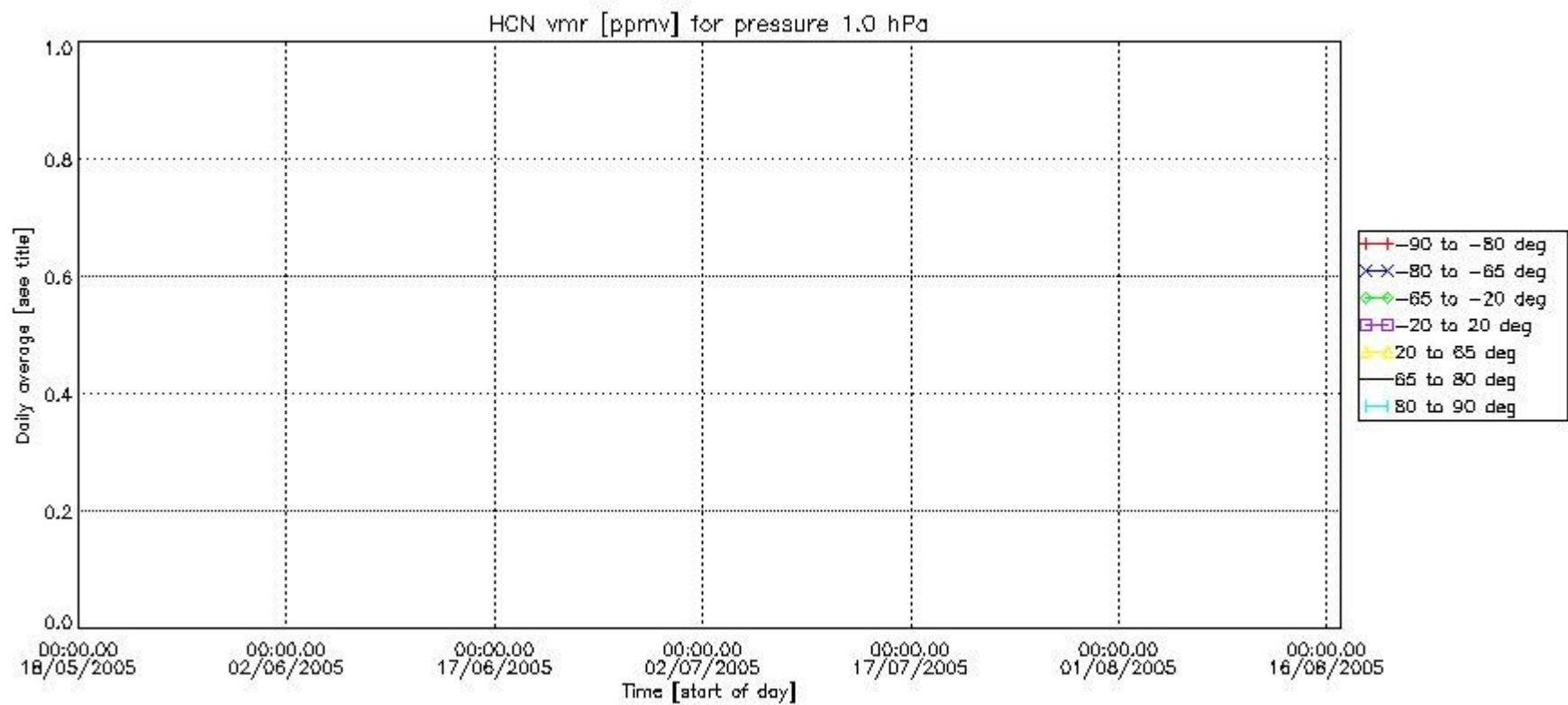


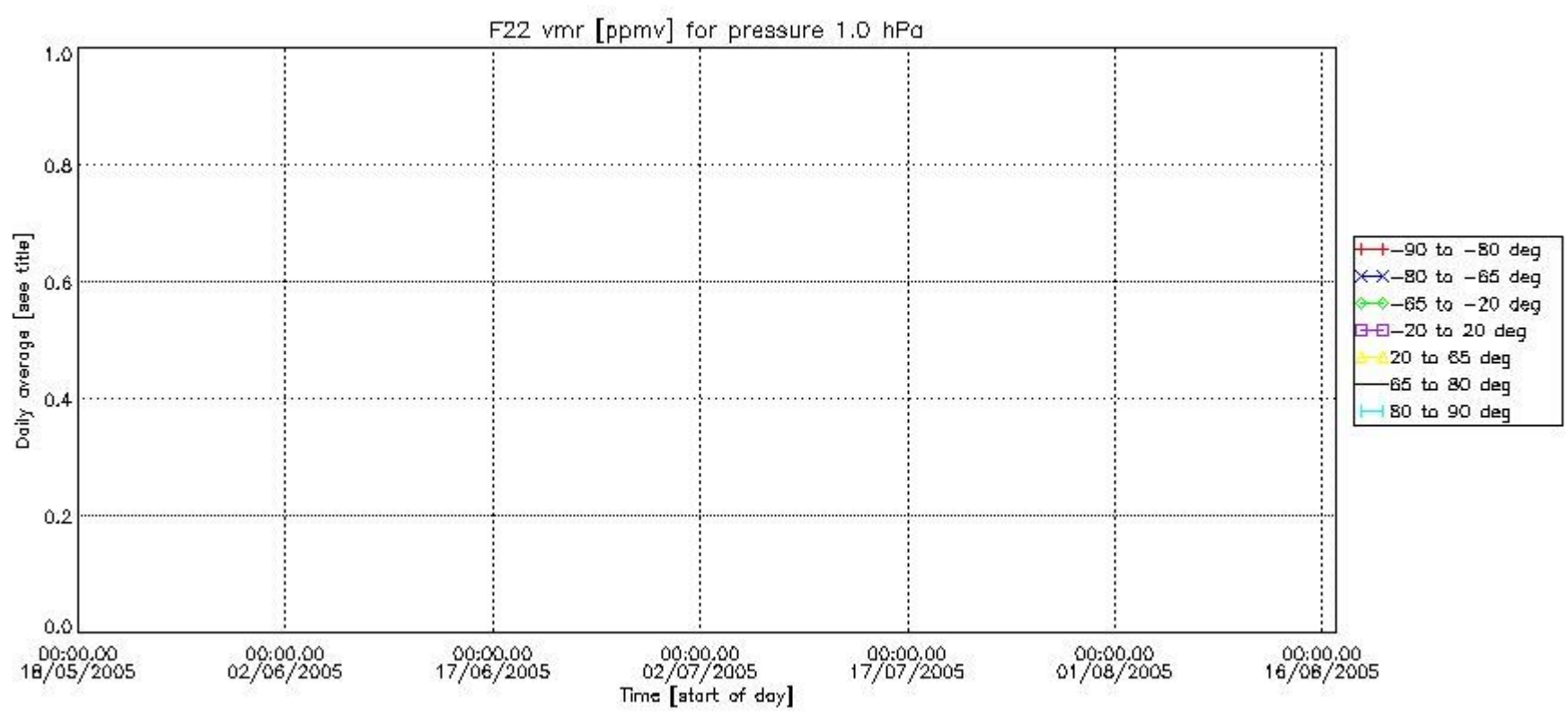












Number of successful retrievals vs. geolocation (*=day side , triangle=night side).

