

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

(See [mipas\\_daily\\_report\\_level2\\_ML2PP\\_7\\_03\\_W\\_20070216.html](#) for a detailed report).

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## 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 11:35:04
Data source version	ML2PP/7.03-W
Processing scope for products	16FEB2007 00:00:00 to 17FEB2007 00:00:00
Start time of first product within scope	15FEB2007 22:45:46
Stop time of last product within scope	16FEB2007 23:42:27
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.

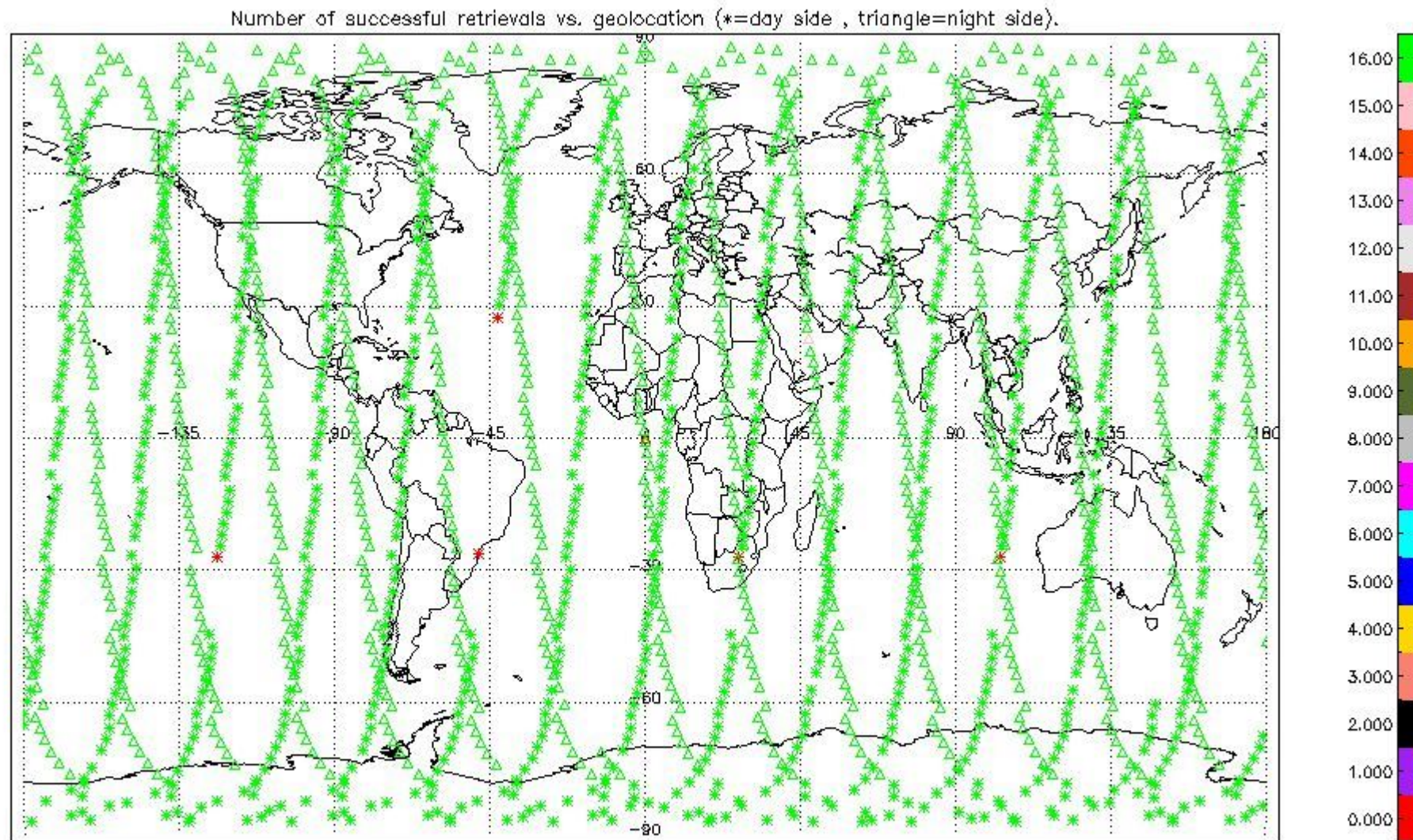
#	Product name	Start time	Stop time	Prod err	Number of scans (tot/proc)	Quality summary warnings
0	MIP_NL__2PWDSI20070215_224546_000060342055_00345_25950_1000.N1	15FEB2007 22:45:46	16FEB2007 00:26:20	0	133/133	VMR_TERM_MACRO_MICRO[HCN/macro:2; O3/micro:1; HCN/micro:1; F14/micro:1]
1	MIP_NL__2PWDSI20070216_002627_000059902055_00346_25951_1000.N1	16FEB2007 00:26:27	16FEB2007 02:06:17	0	132/132	VMR_TERM_MACRO_MICRO[HCN/macro:2]
2	MIP_NL__2PWDSI20070216_020653_000060352055_00347_25952_1000.N1	16FEB2007 02:06:53	16FEB2007 03:47:28	0	129/129	VMR_TERM_MACRO_MICRO[HCN/micro:2]
3	MIP_NL__2PWDSI20070216_034734_000060342055_00348_25953_1000.N1	16FEB2007 03:47:34	16FEB2007 05:28:08	0	133/133	VMR_TERM_MACRO_MICRO[F14/macro:2; HCN/micro:3]
4	MIP_NL__2PWDSI20070216_052814_000059902055_00349_25954_1000.N1	16FEB2007 05:28:14	16FEB2007 07:08:05	0	132/132	VMR_TERM_MACRO_MICRO[HCN/micro:1]
5	MIP_NL__2PWDSI20070216_070840_000060352055_00350_25955_1000.N1	16FEB2007 07:08:40	16FEB2007 08:49:16	0	129/129	VMR_TERM_MACRO_MICRO[HCN/micro:1]
6	MIP_NL__2PWDSI20070216_084922_000060342055_00351_25956_1000.N1	16FEB2007 08:49:22	16FEB2007 10:29:56	0	133/133	VMR_TERM_MACRO_MICRO[HCN/macro:1]
7	MIP_NL__2PWDSI20070216_103002_000059902055_00352_25957_1000.N1	16FEB2007 10:30:02	16FEB2007 12:09:53	0	132/132	VMR_TERM_MACRO_MICRO[HCN/micro:1]
8	MIP_NL__2PWDSI20070216_121028_000060352055_00353_25958_1000.N1	16FEB2007 12:10:28	16FEB2007 13:51:03	0	110/110	VMR_TERM_MACRO_MICRO[HCN/macro:1; F14/macro:2; HCN/micro:3]
9	MIP_NL__2PWDSI20070216_135109_000060342055_00354_25959_1000.N1	16FEB2007 13:51:09	16FEB2007 15:31:44	0	133/133	VMR_TERM_MACRO_MICRO[HCN/micro:2; F14/micro:1]
10	MIP_NL__2PWDSI20070216_153150_000059902055_00355_25960_1000.N1	16FEB2007 15:31:50	16FEB2007 17:11:40	0	132/132	VMR_TERM_MACRO_MICRO[HCN/macro:1; F14/macro:1; HCN/micro:2]
11	MIP_NL__2PWDSI20070216_171216_000060362055_00356_25961_1000.N1	16FEB2007 17:12:16	16FEB2007 18:52:51	0	129/129	VMR_TERM_MACRO_MICRO[F14/macro:2; HCN/micro:1]
12	MIP_NL__2PWDSI20070216_185257_000060342055_00357_25962_1000.N1	16FEB2007 18:52:57	16FEB2007 20:33:32	0	133/133	VMR_TERM_MACRO_MICRO[HCN/macro:1; F14/micro:1]
13	MIP_NL__2PWDSI20070216_203338_000059902055_00358_25963_1000.N1	16FEB2007 20:33:38	16FEB2007 22:13:28	0	132/132	VMR_TERM_MACRO_MICRO[HCN/macro:1; F14/macro:1; O3/micro:1; HCN/micro:3]
14	MIP_NL__2PWDSI20070216_221404_000053032055_00359_25964_1000.N1	16FEB2007 22:14:04	16FEB2007 23:42:27	0	117/117	VMR_TERM_MACRO_MICRO[HCN/macro:1; F14/macro:1; HCN/micro:3; F14/micro:1]

## 2.2 Processing performance indicators

## 2.2.1 Successful retrievals

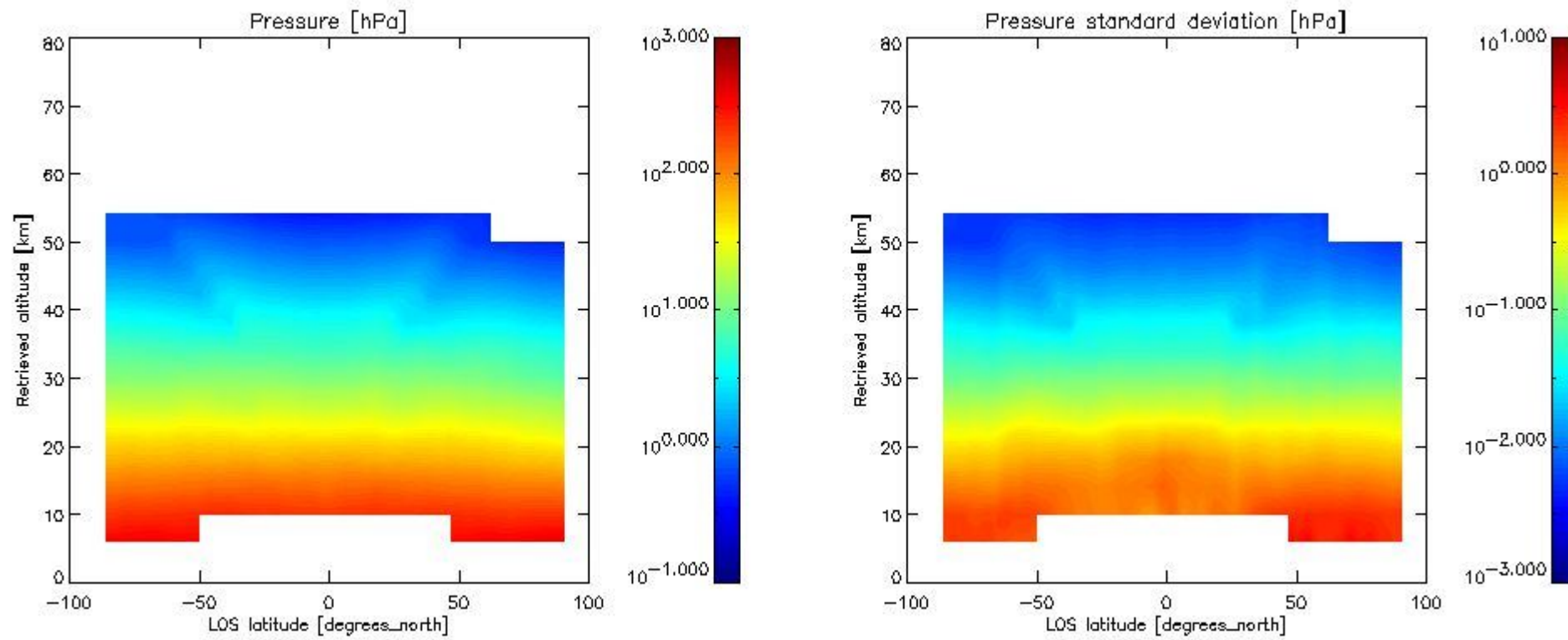
This section includes a table with statistics on the number of retrievals, as well as a worldmap plot that shows successful retrievals.

RETRIEVAL MDS	# scans processed	# Successful retrievals	%
PT	1939	1832	94.482
H2O	1939	1832	94.482
O3	1939	1832	94.482
HNO3	1939	1832	94.482
CH4	1939	1832	94.482
N2O	1939	1832	94.482
NO2	1939	1832	94.482
F11	1939	1832	94.482
CLNO	1939	1832	94.482
N2O5	1939	1832	94.482
F12	1939	1831	94.430
COF2	1939	1832	94.482
CCL4	1939	1832	94.482
HCN	1939	1832	94.482
F14	1939	1832	94.482
F22	1939	1832	94.482



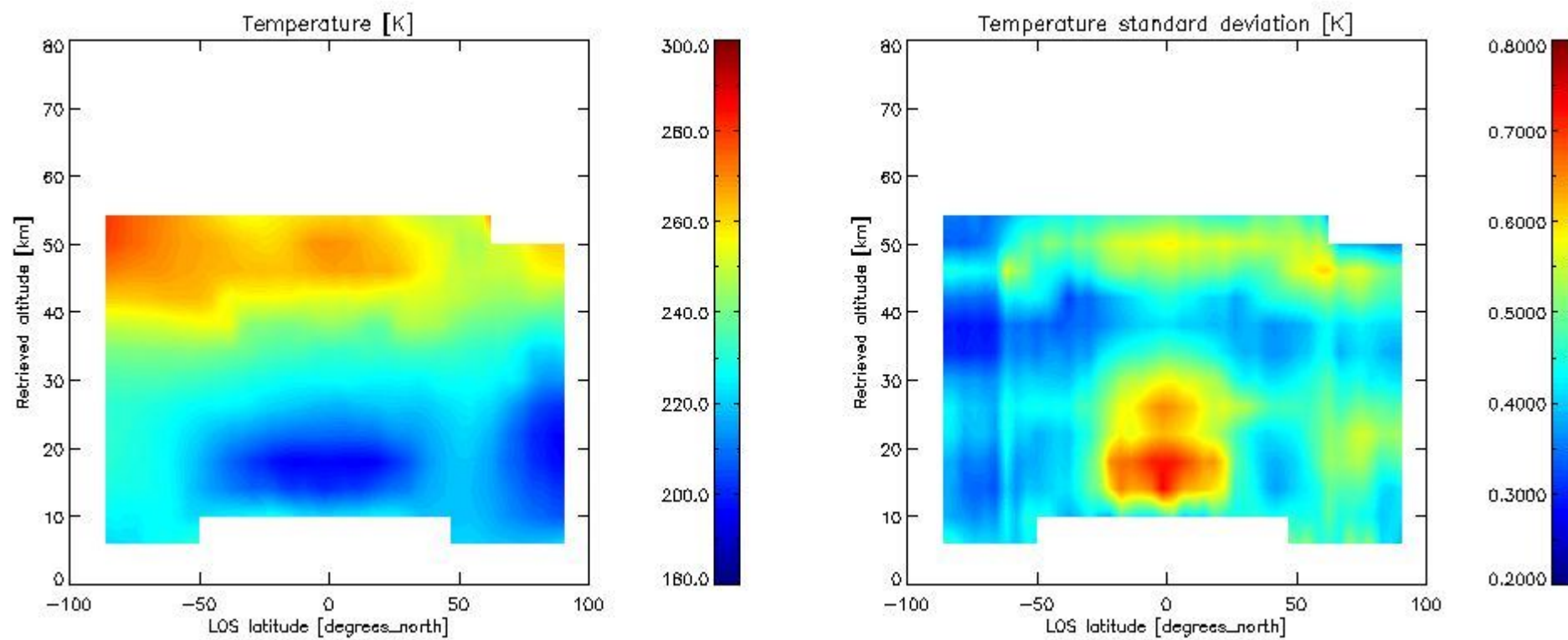
## 2.2.2 Pressure overview

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



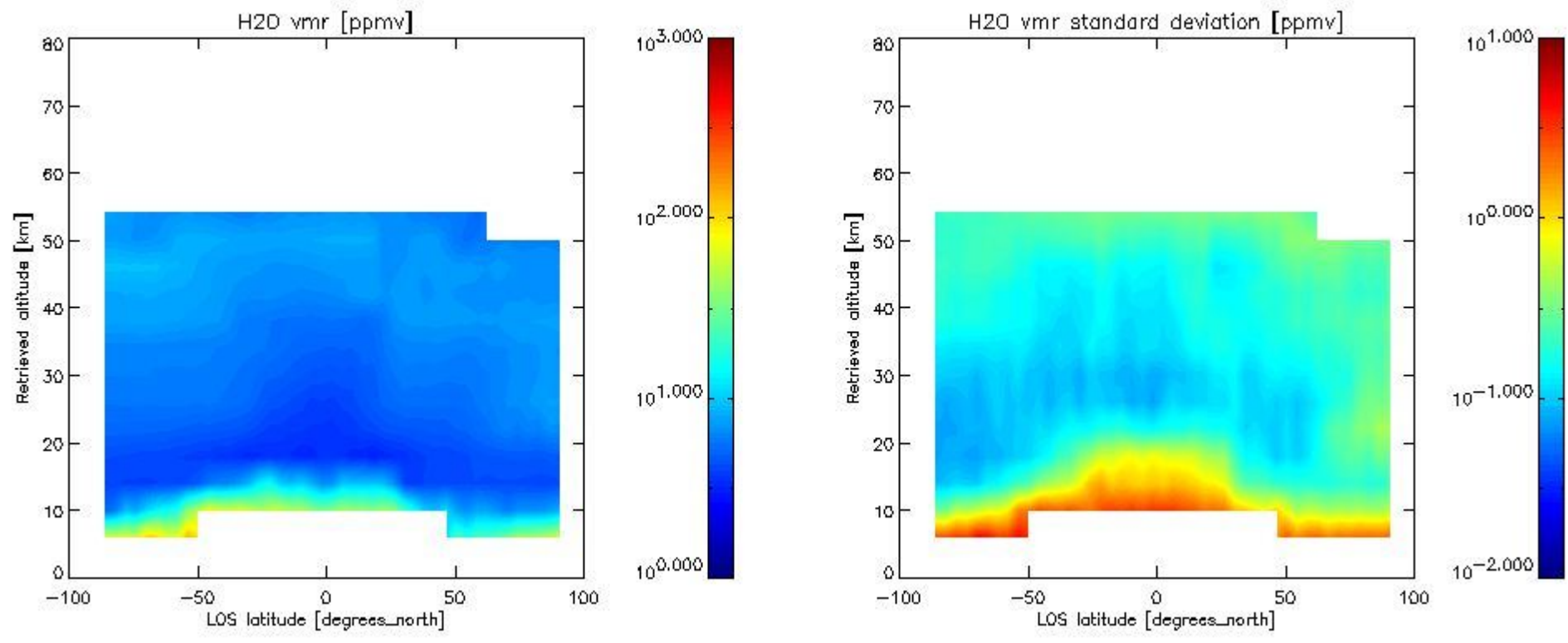
### 2.2.3 Temperature overview

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

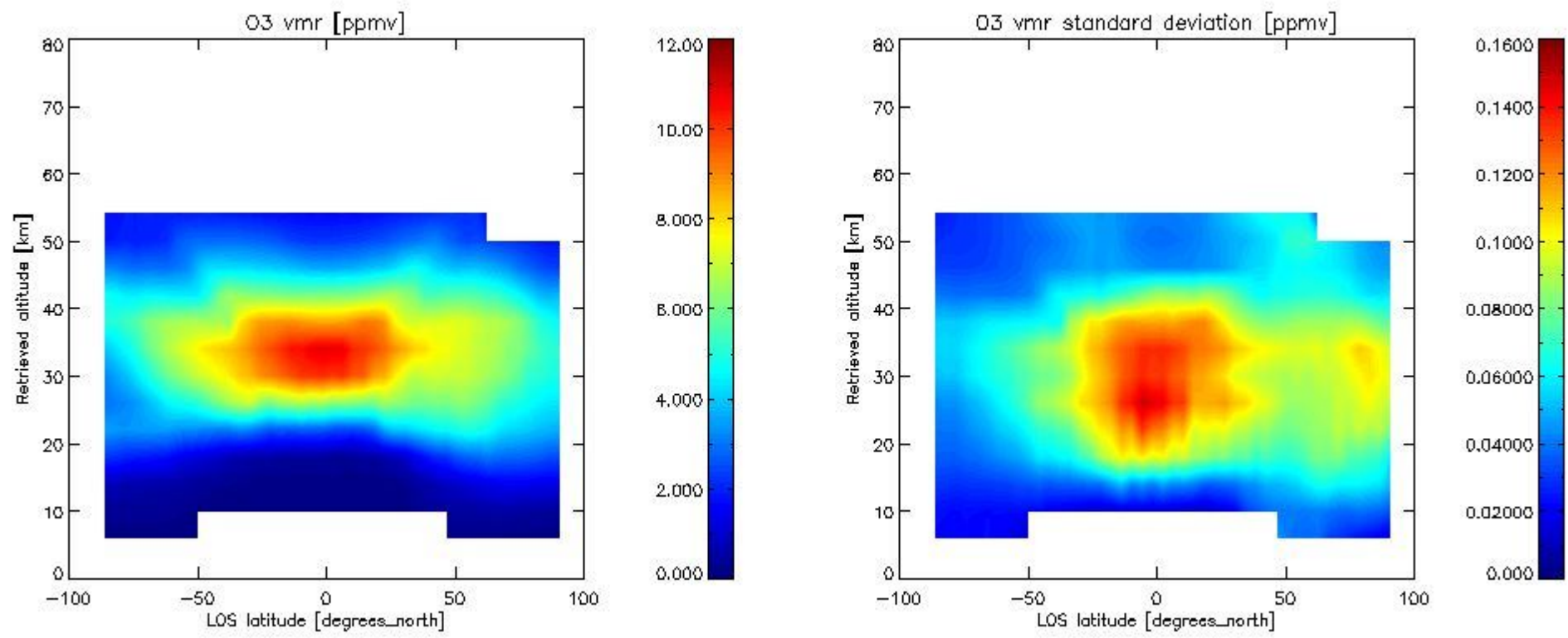


### 2.2.4 Species overview

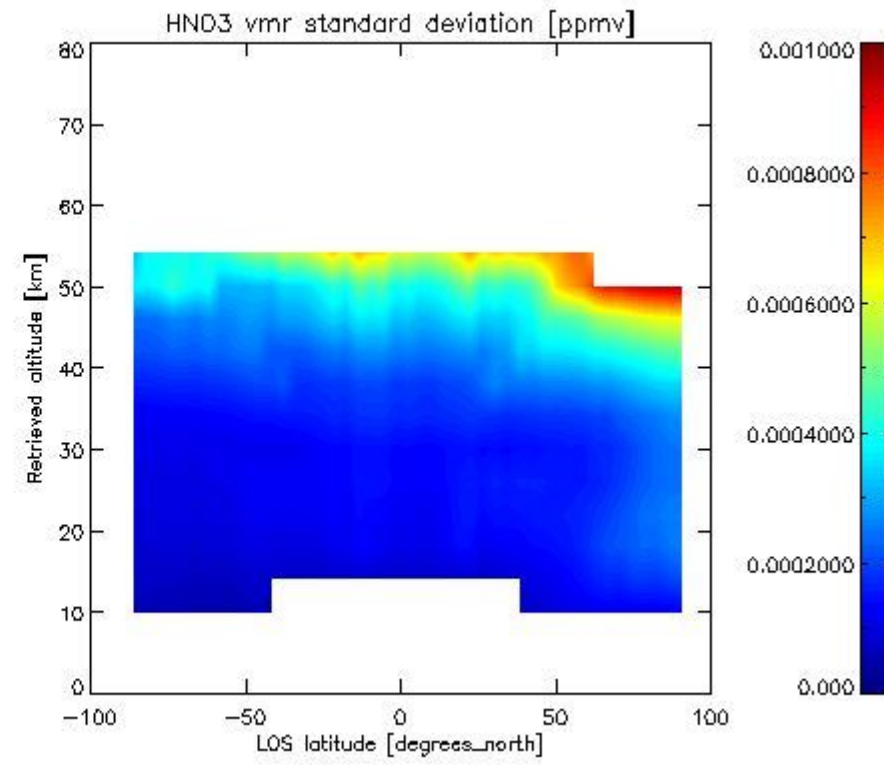
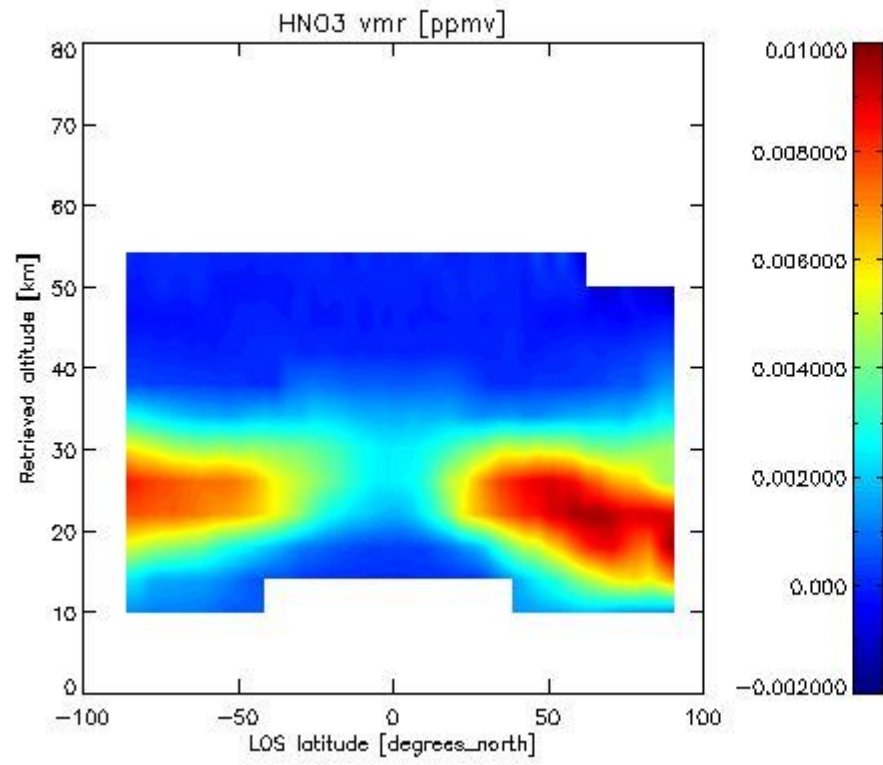
**2.2.4.1 H2O overview** This section shows values (left) and error (right) for H2O after binning individual sweep values over retrieved altitude and tangent latitude.



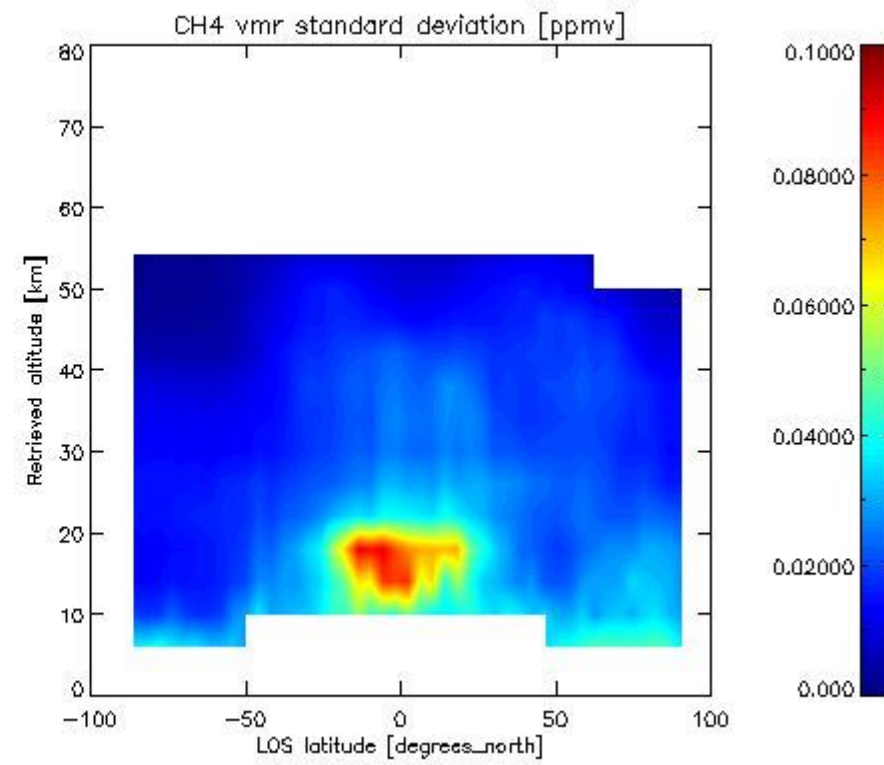
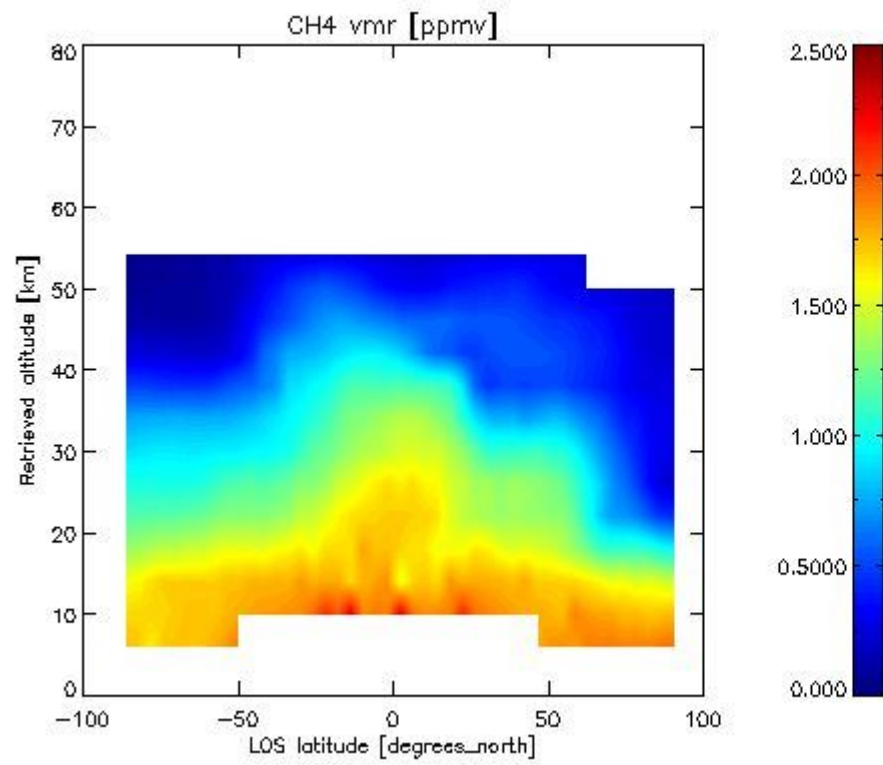
2.2.4.2 O3 overview This section shows values (left) and error (right) for O3 after binning individual sweep values over retrieved altitude and tangent latitude.



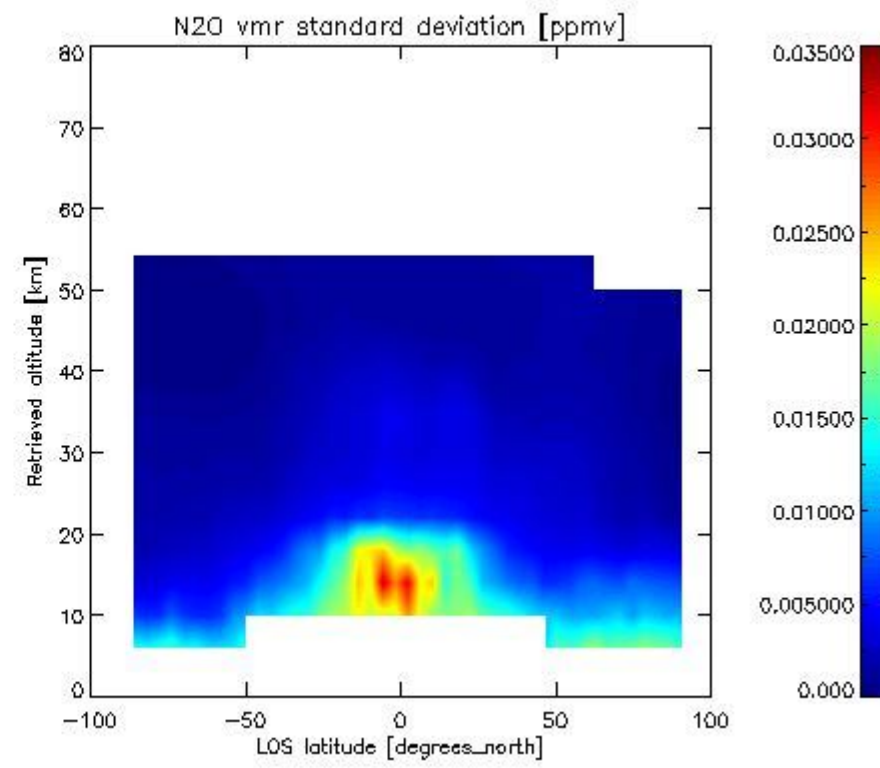
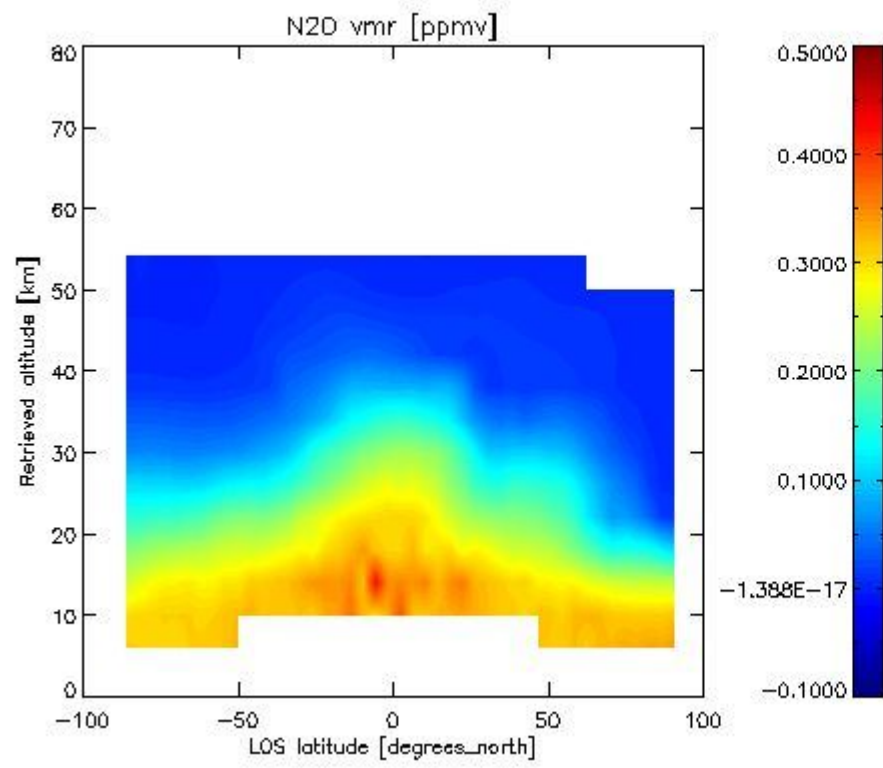
2.2.4.3 HNO3 overview This section shows values (left) and error (right) for HNO3 after binning individual sweep values over retrieved altitude and tangent latitude.



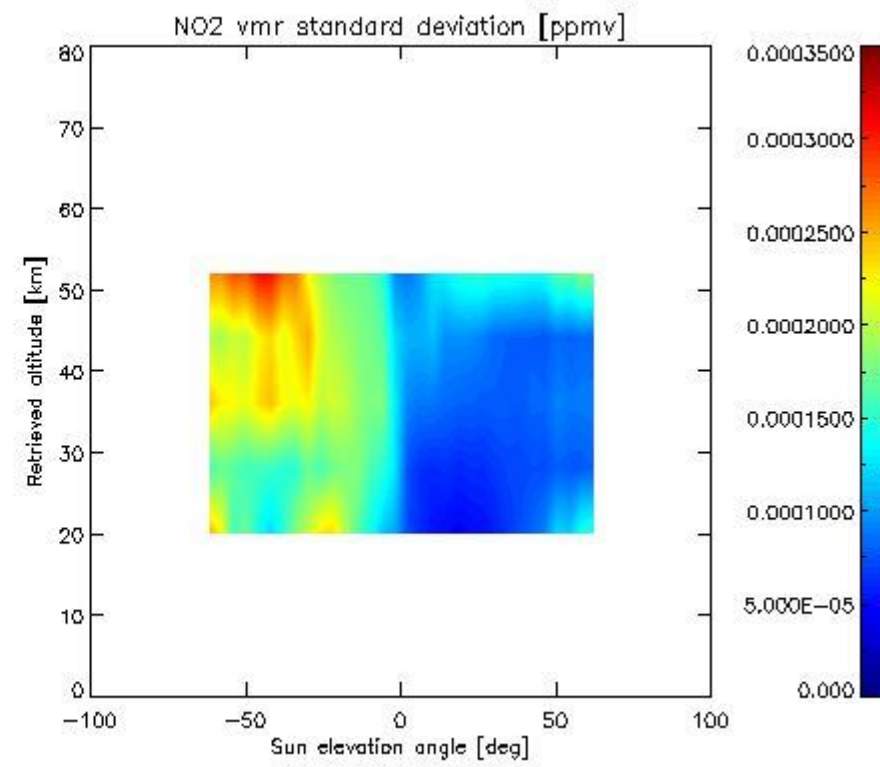
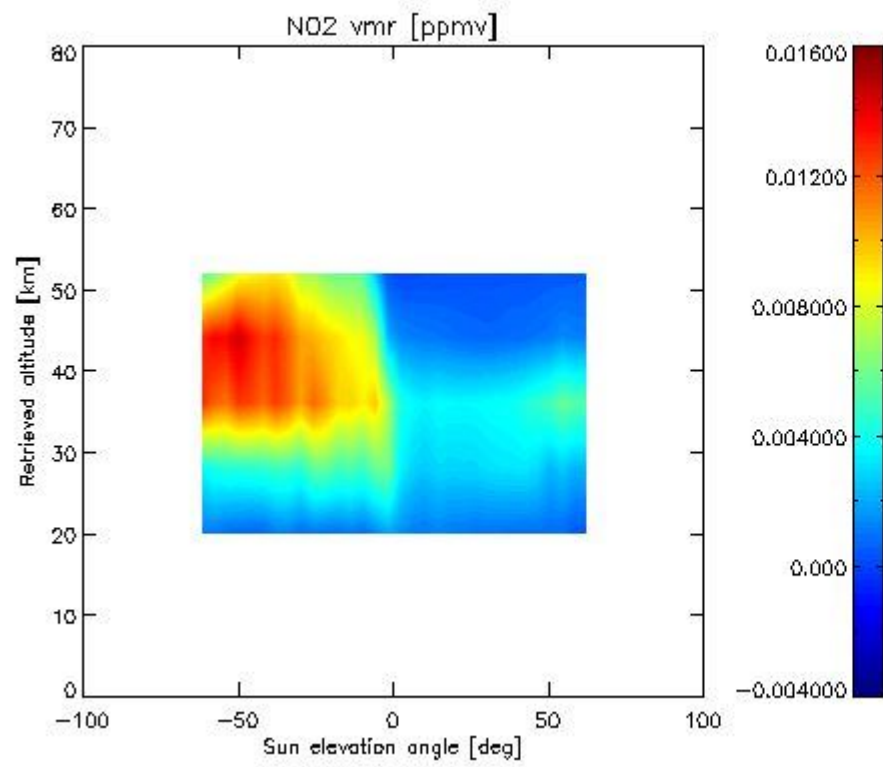
2.2.4.4 CH<sub>4</sub> overview This section shows values (left) and error (right) for CH<sub>4</sub> after binning individual sweep values over retrieved altitude and tangent latitude.



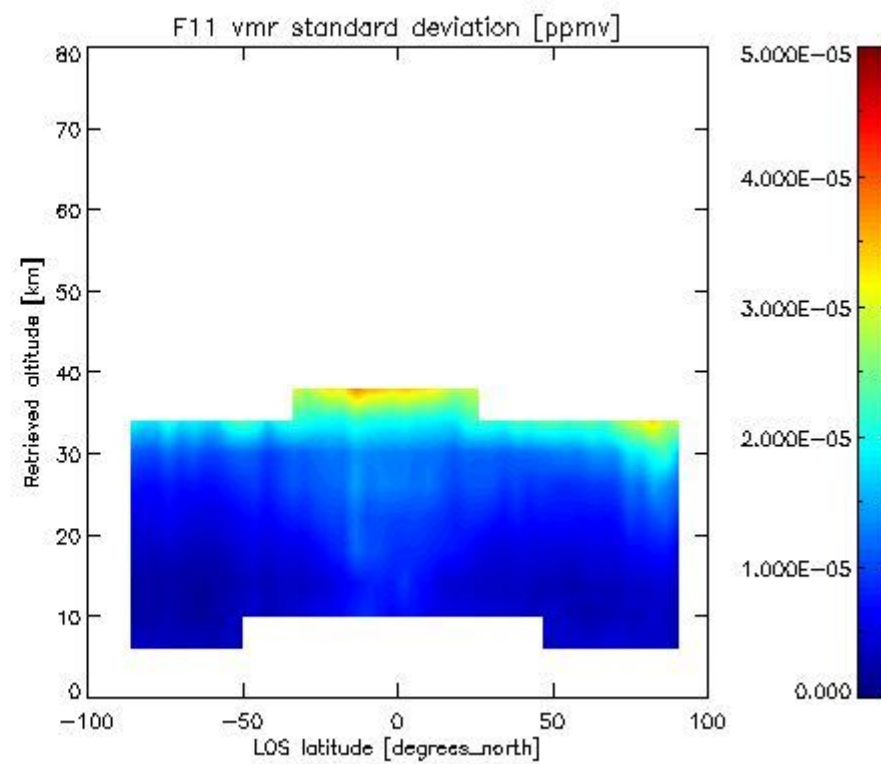
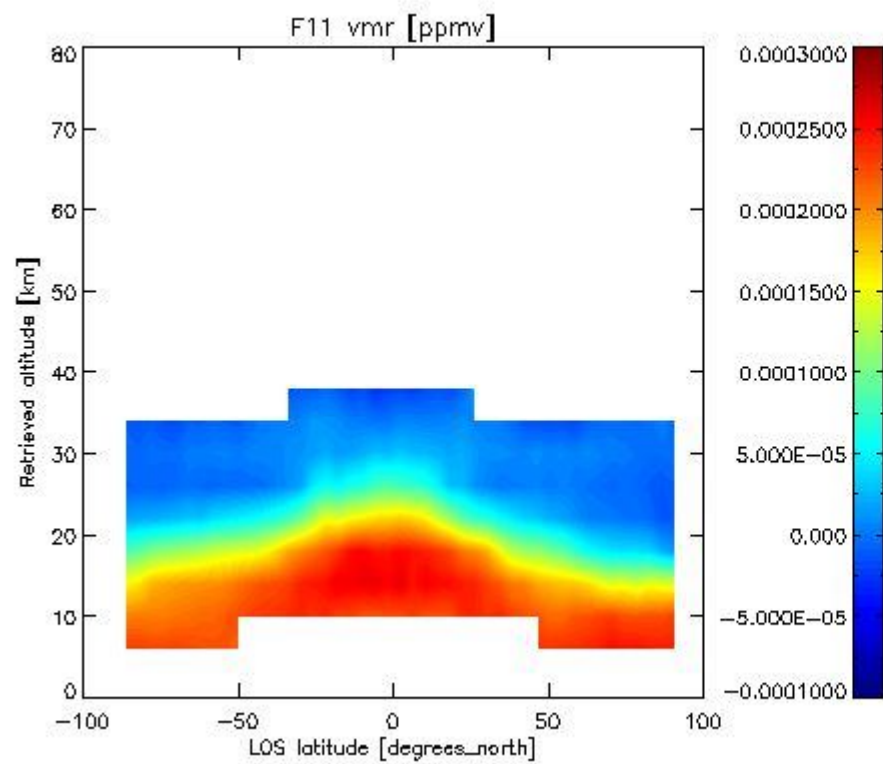
2.2.4.5 N<sub>2</sub>O overview This section shows values (left) and error (right) for N<sub>2</sub>O after binning individual sweep values over retrieved altitude and tangent latitude.



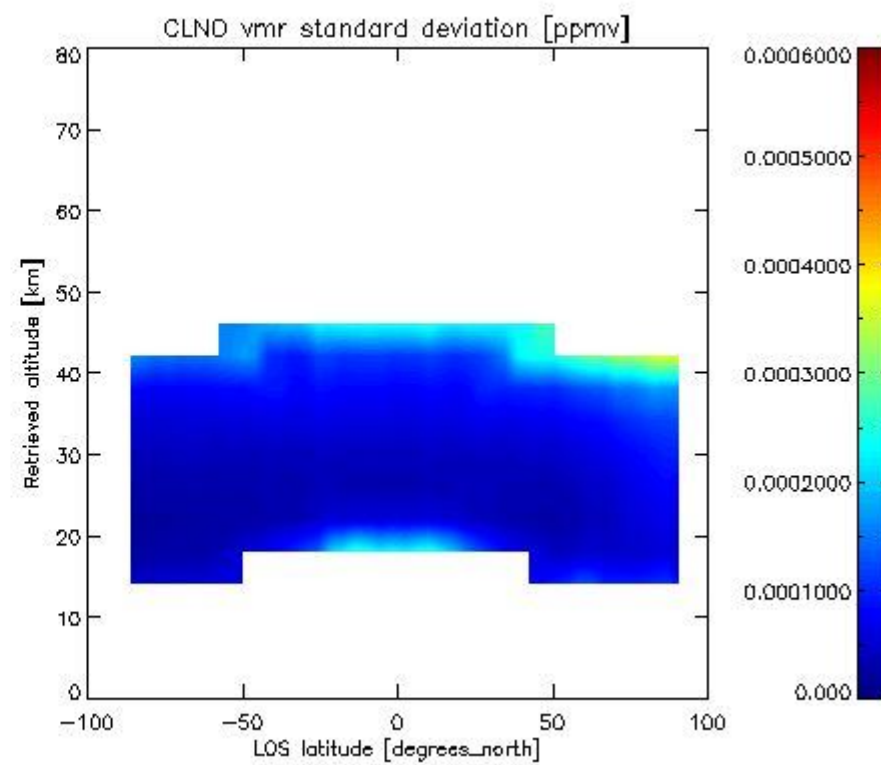
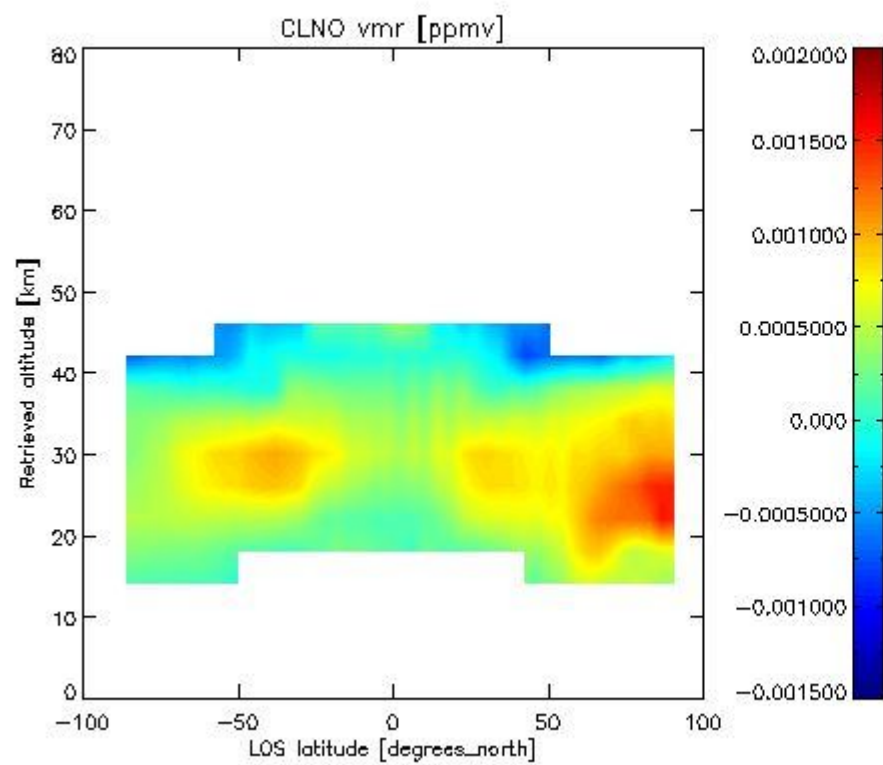
2.2.4.6 NO2 overview This section shows values (left) and error (right) for NO2 after binning individual sweep values over retrieved altitude and Sun Elevation Angle. Note that for NO2 the bin heights are 6 km.

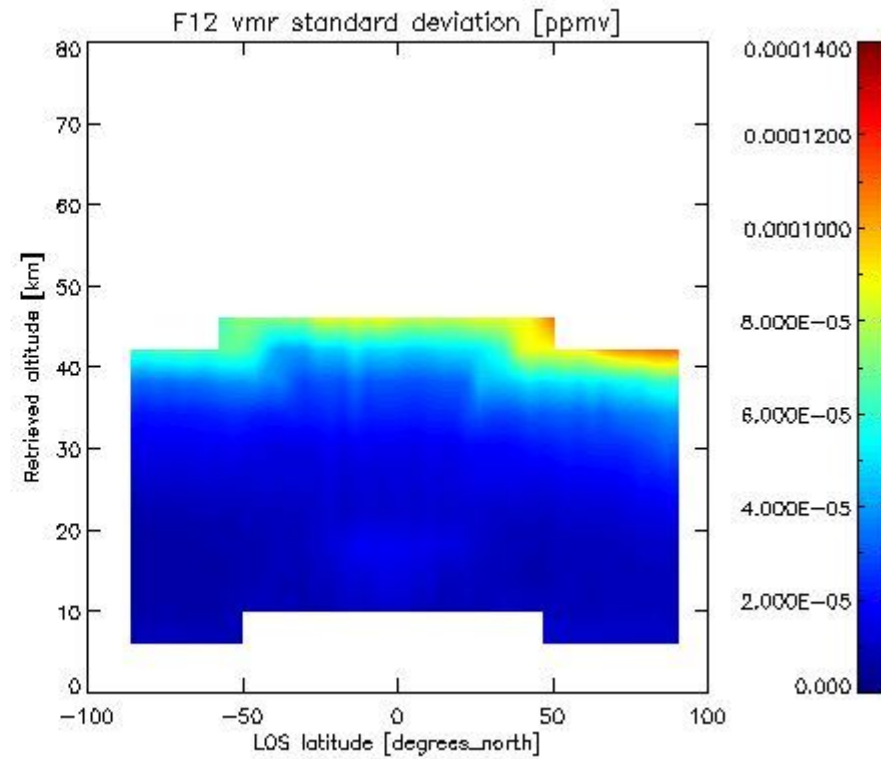
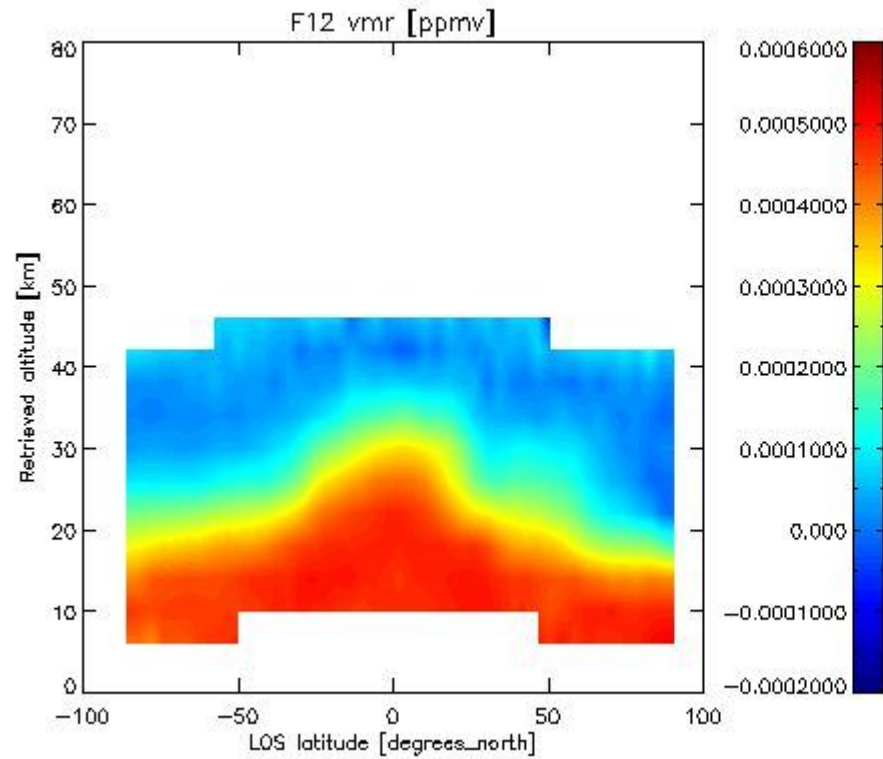
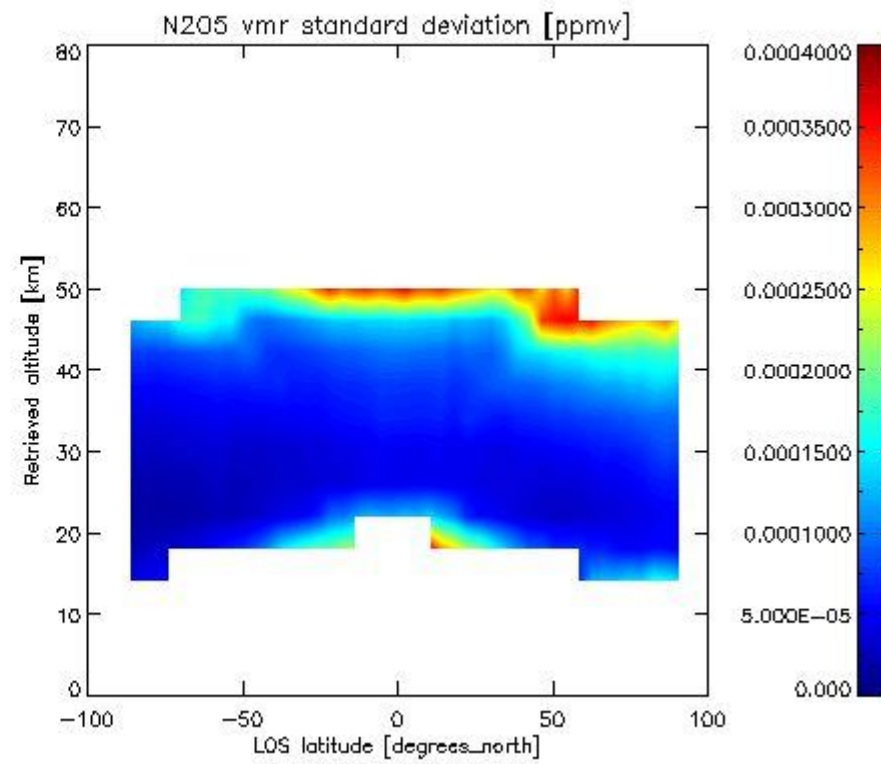
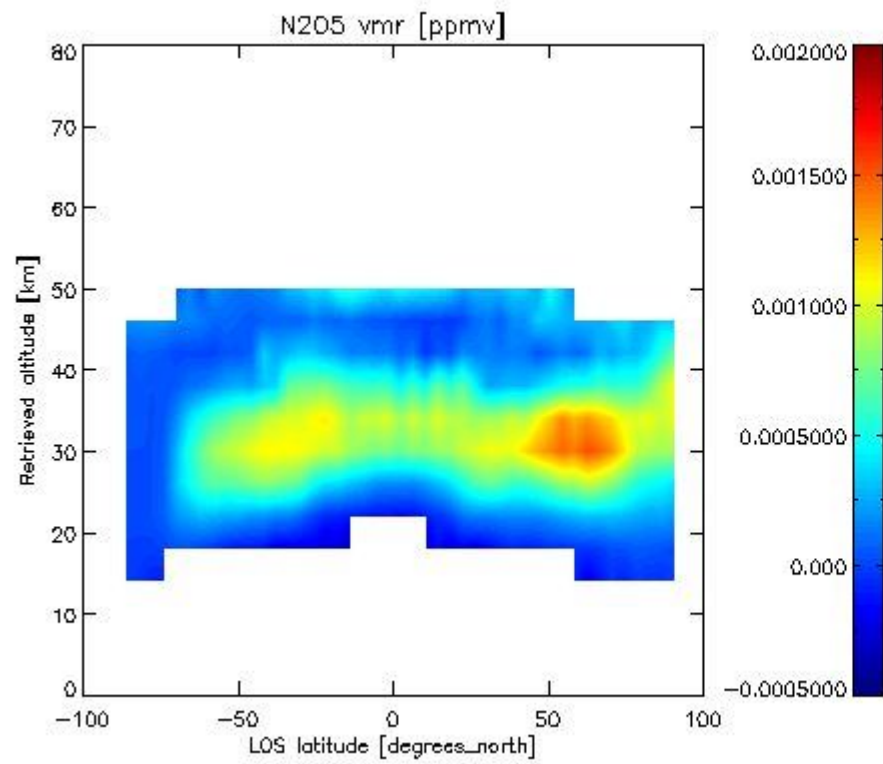


2.2.4.7 F11 overview This section shows values (left) and error (right) for F11 after binning individual sweep values over retrieved altitude and tangent latitude.

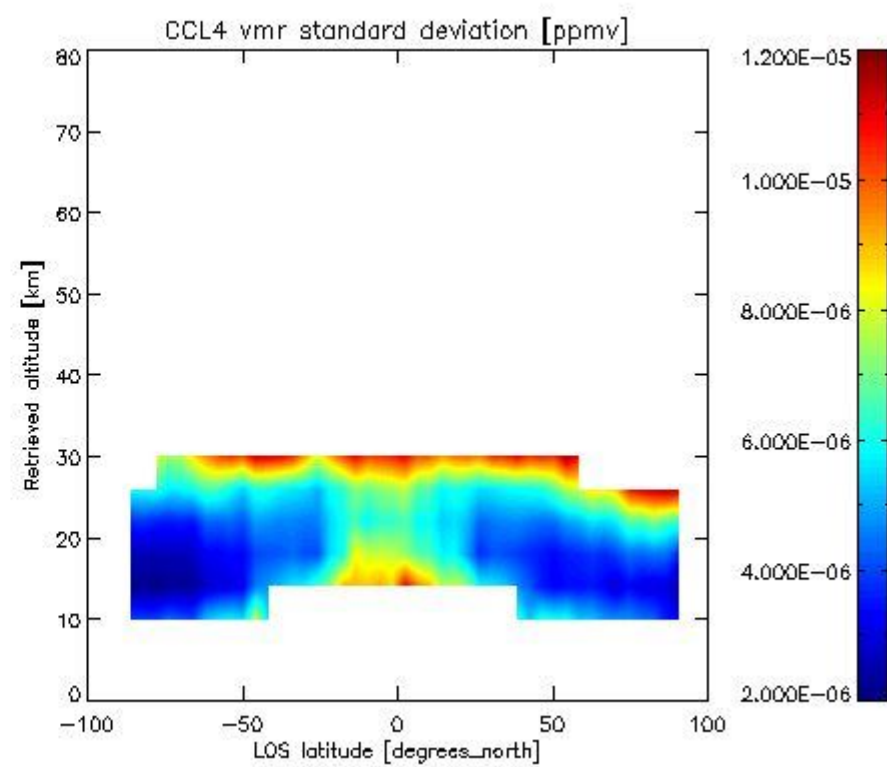
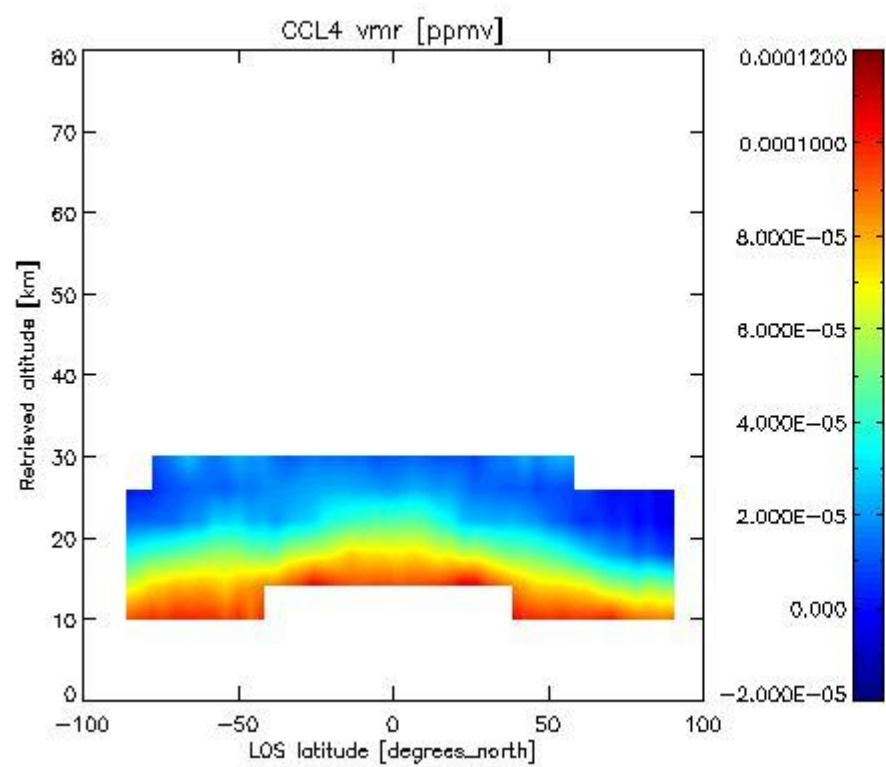
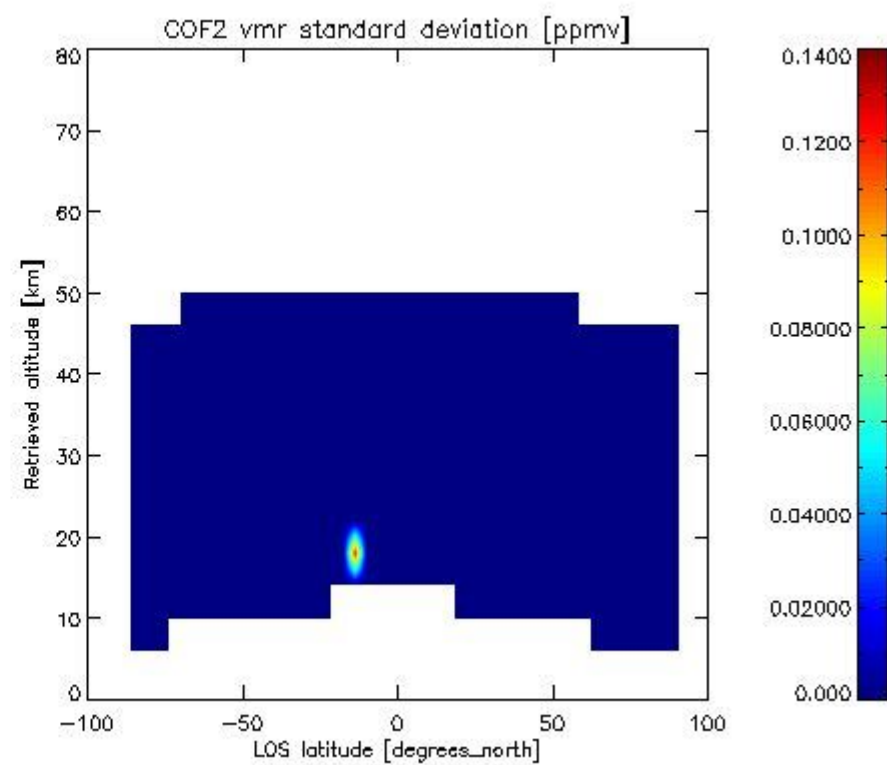
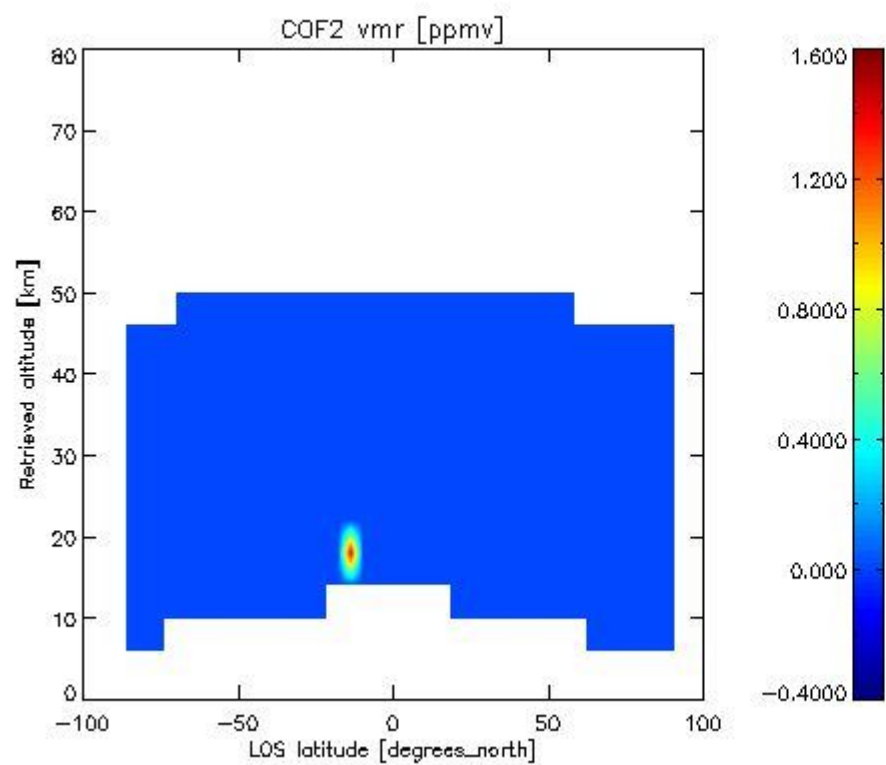


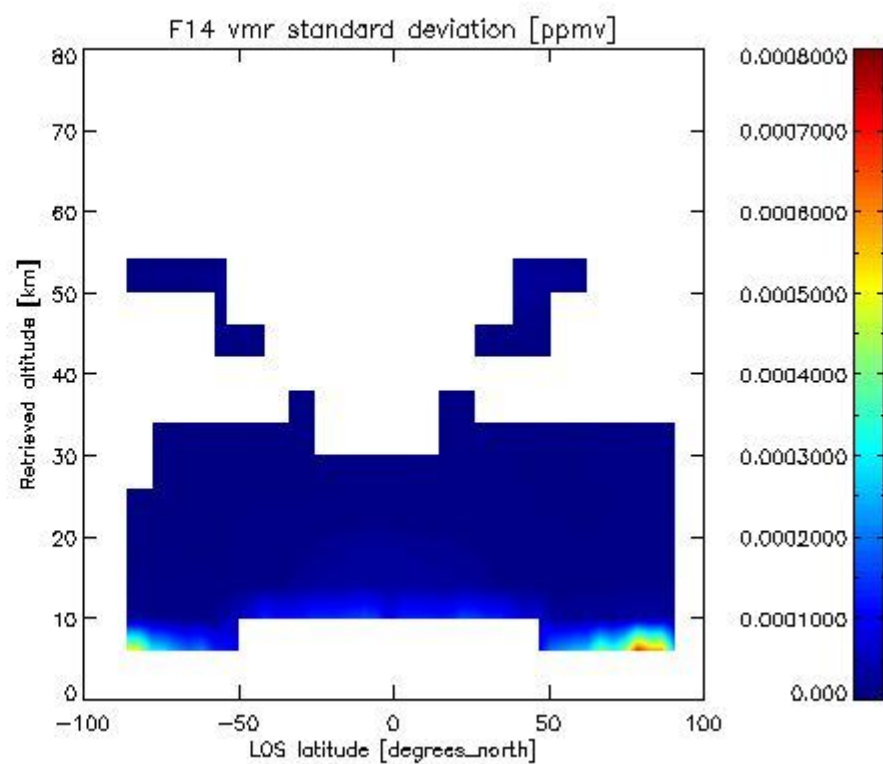
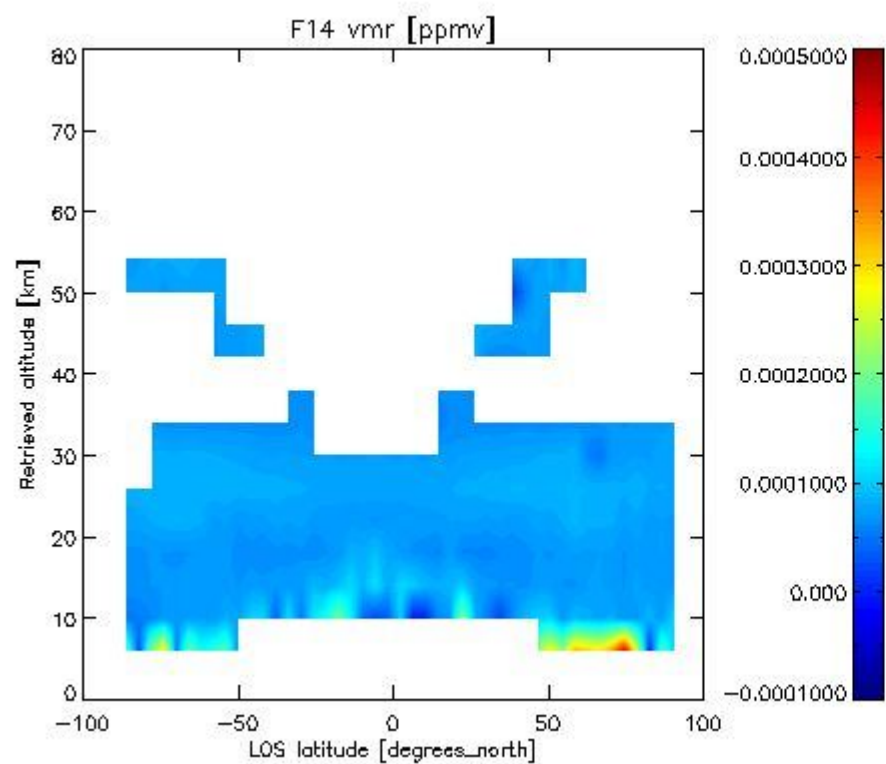
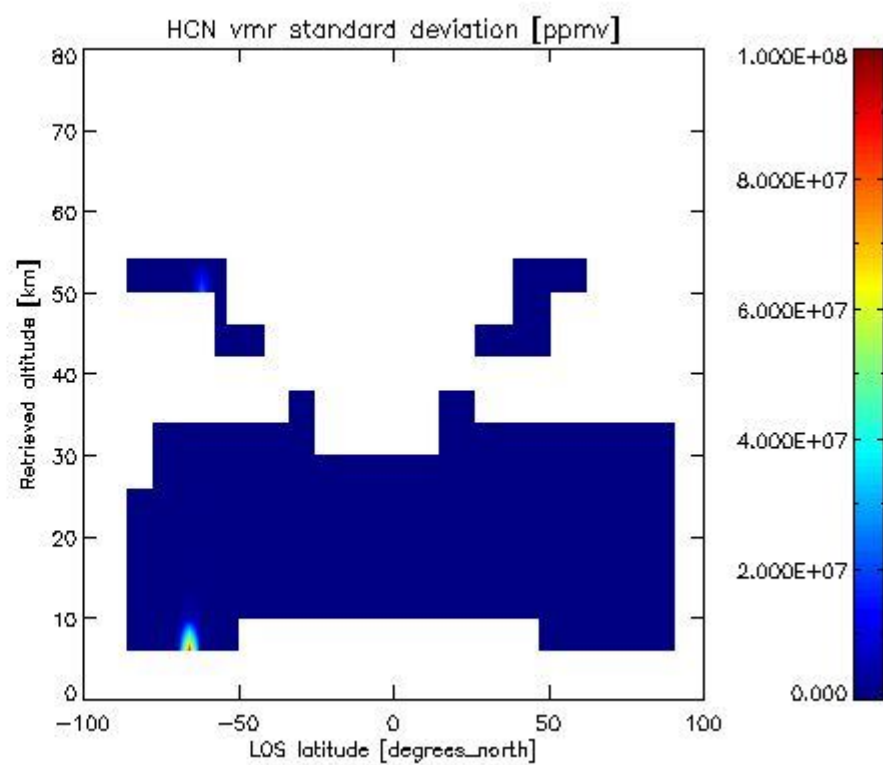
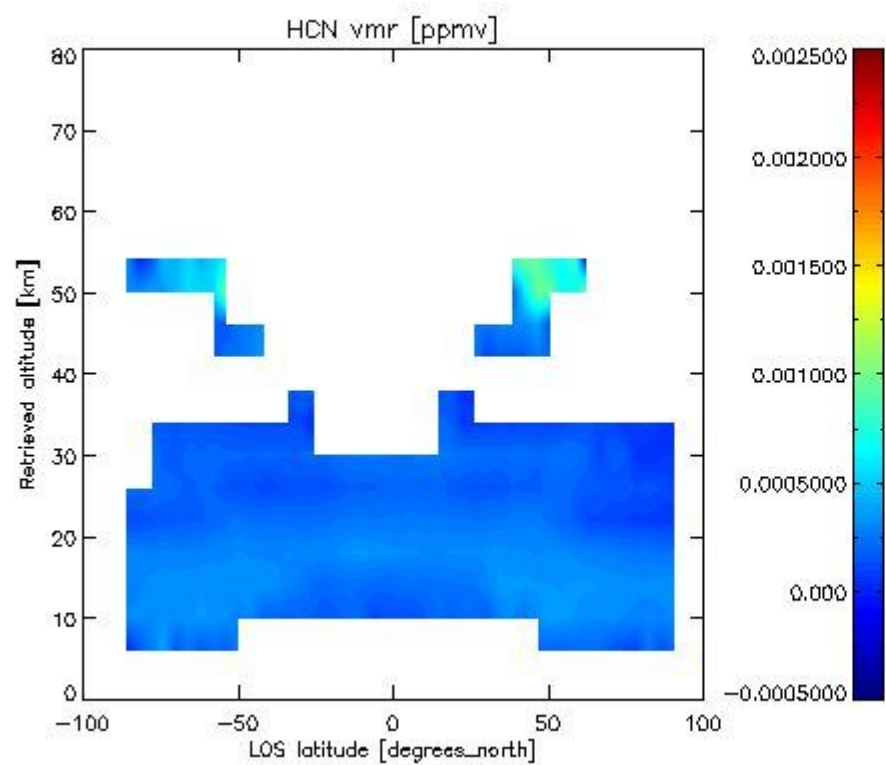
2.3.4 CLNO overview This section shows values (left) and error (right) for CLNO after binning individual sweep values over retrieved altitude and target latitude.

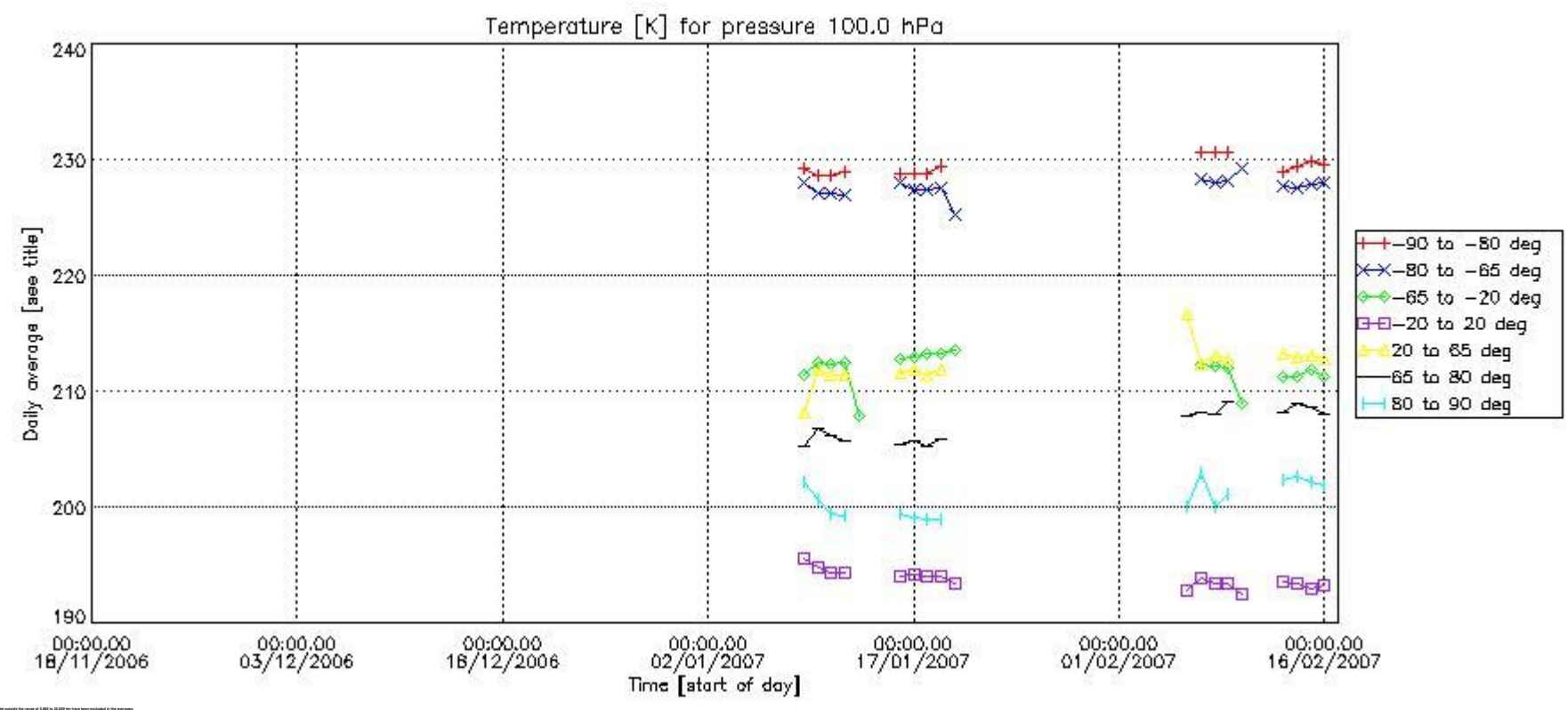
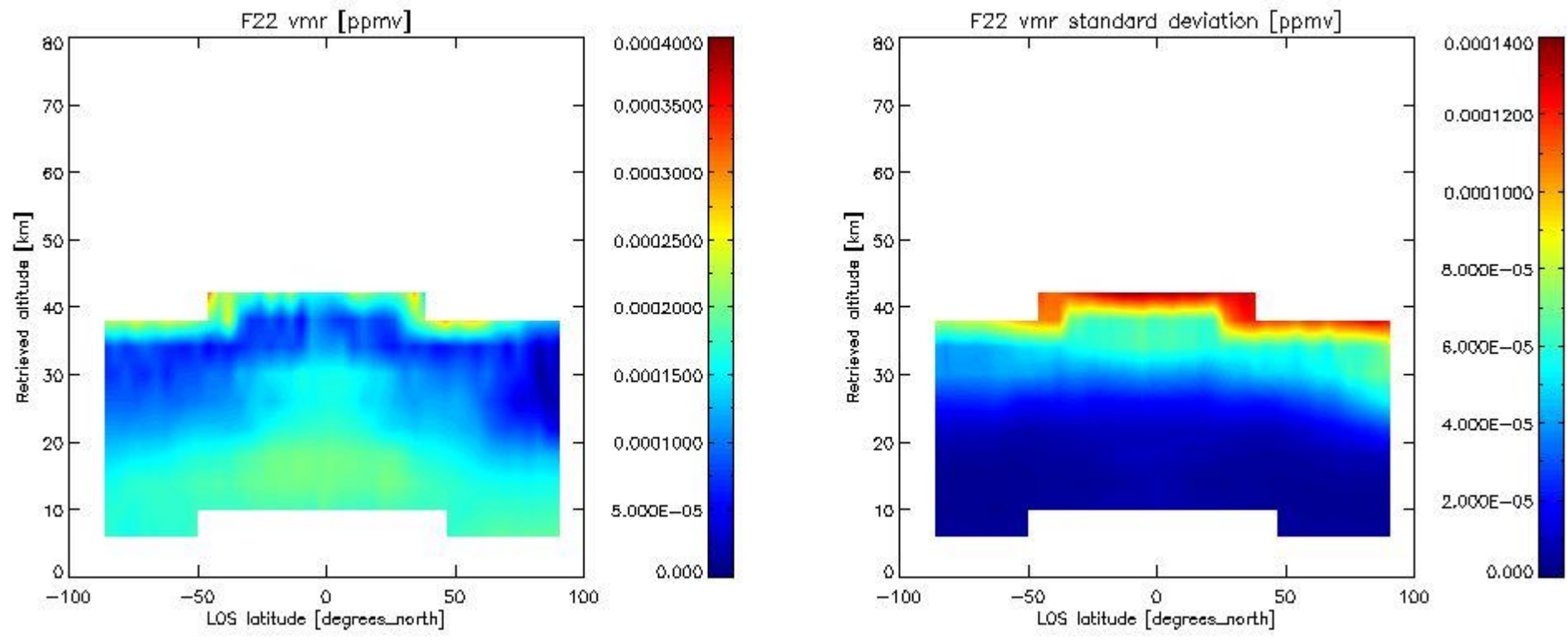


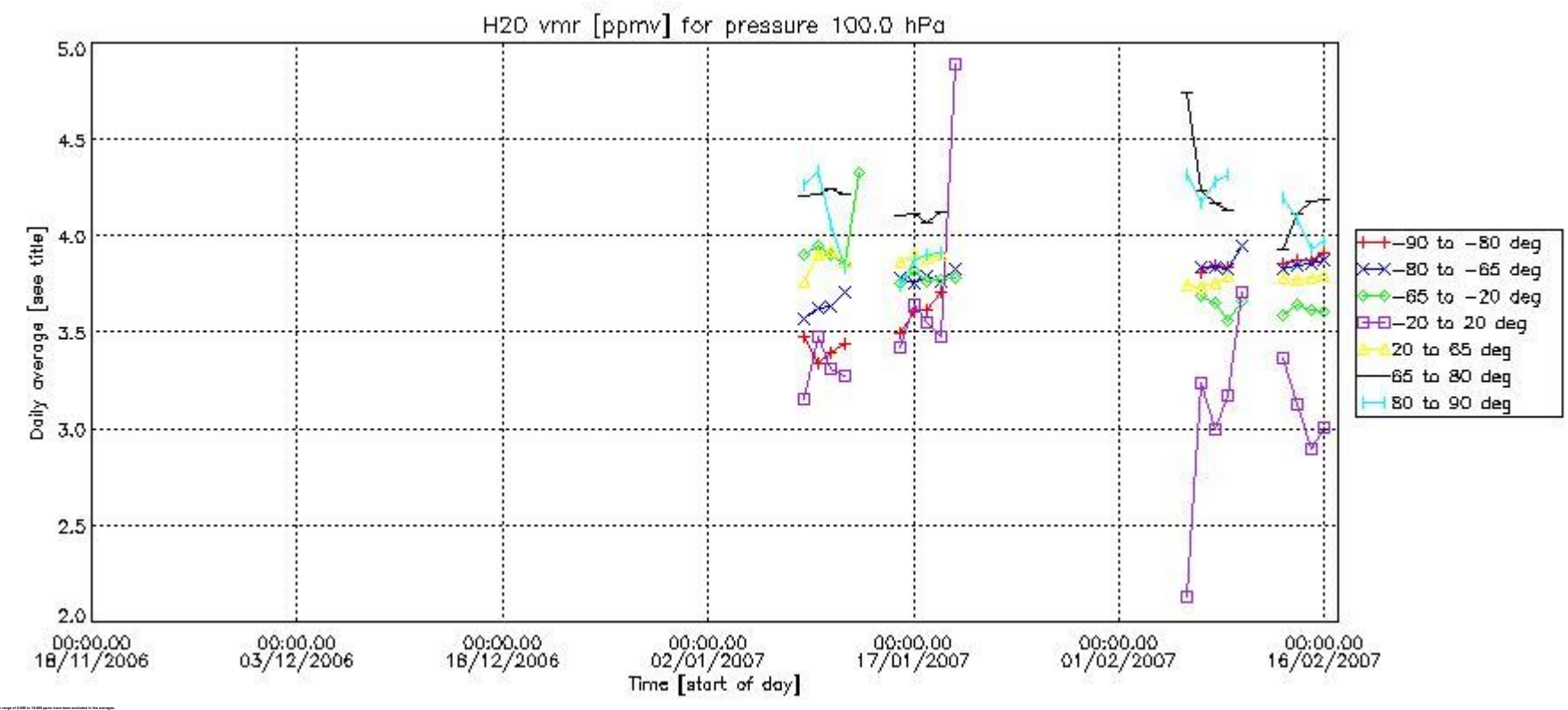
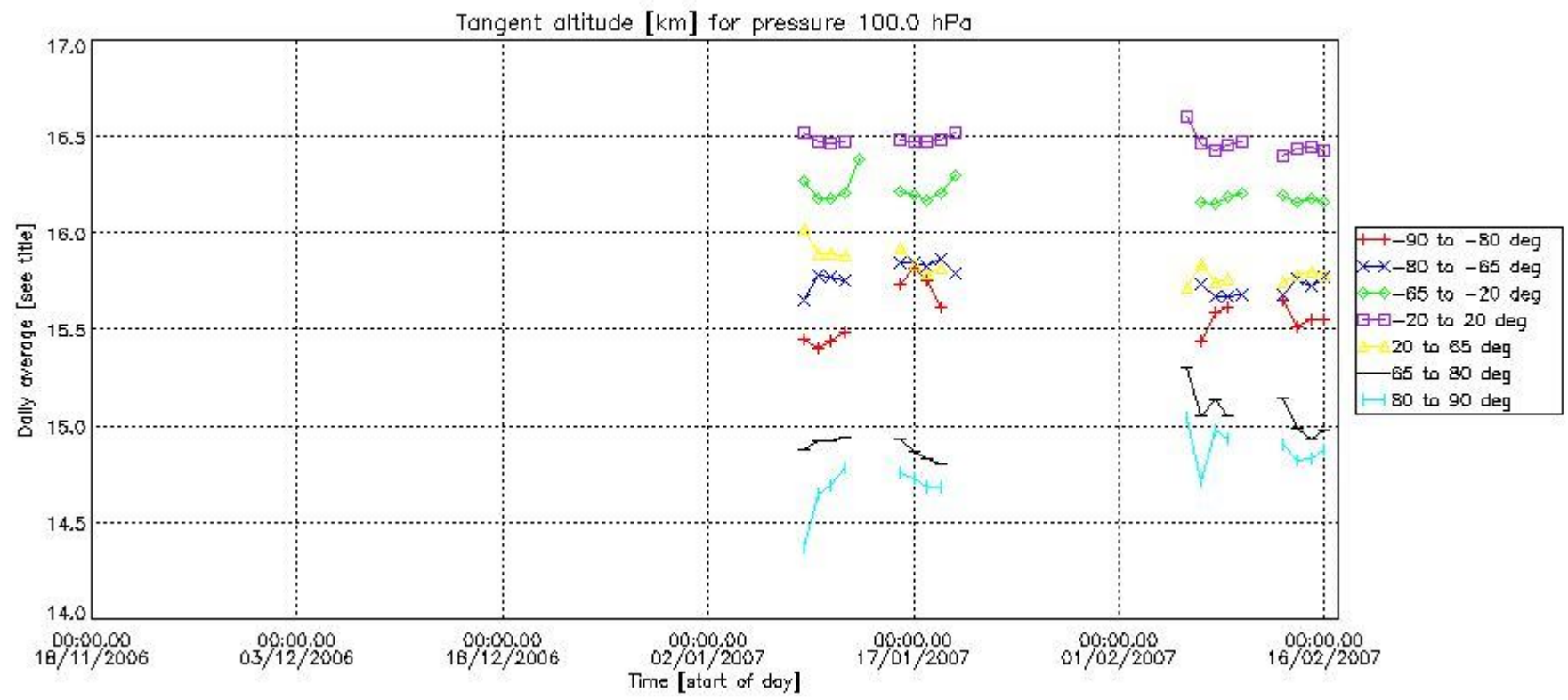


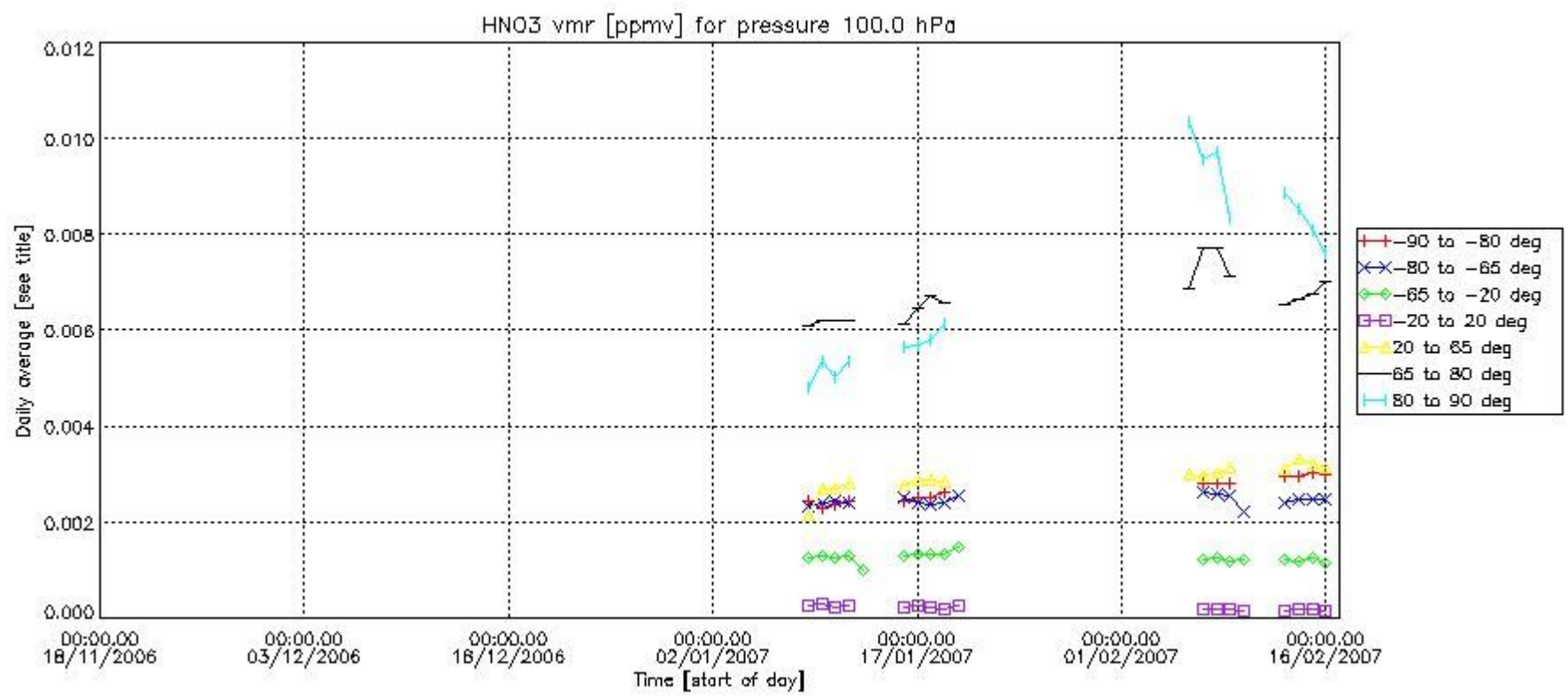
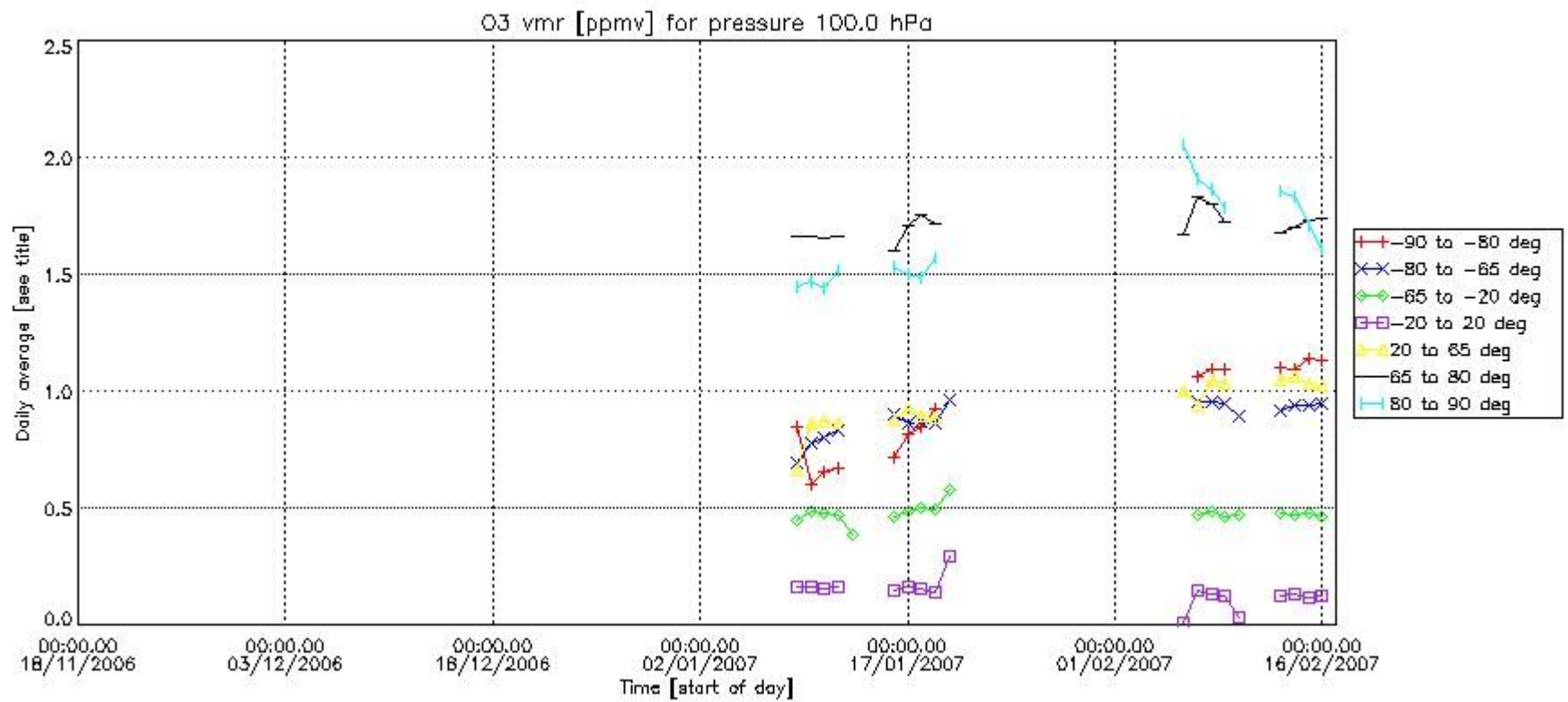


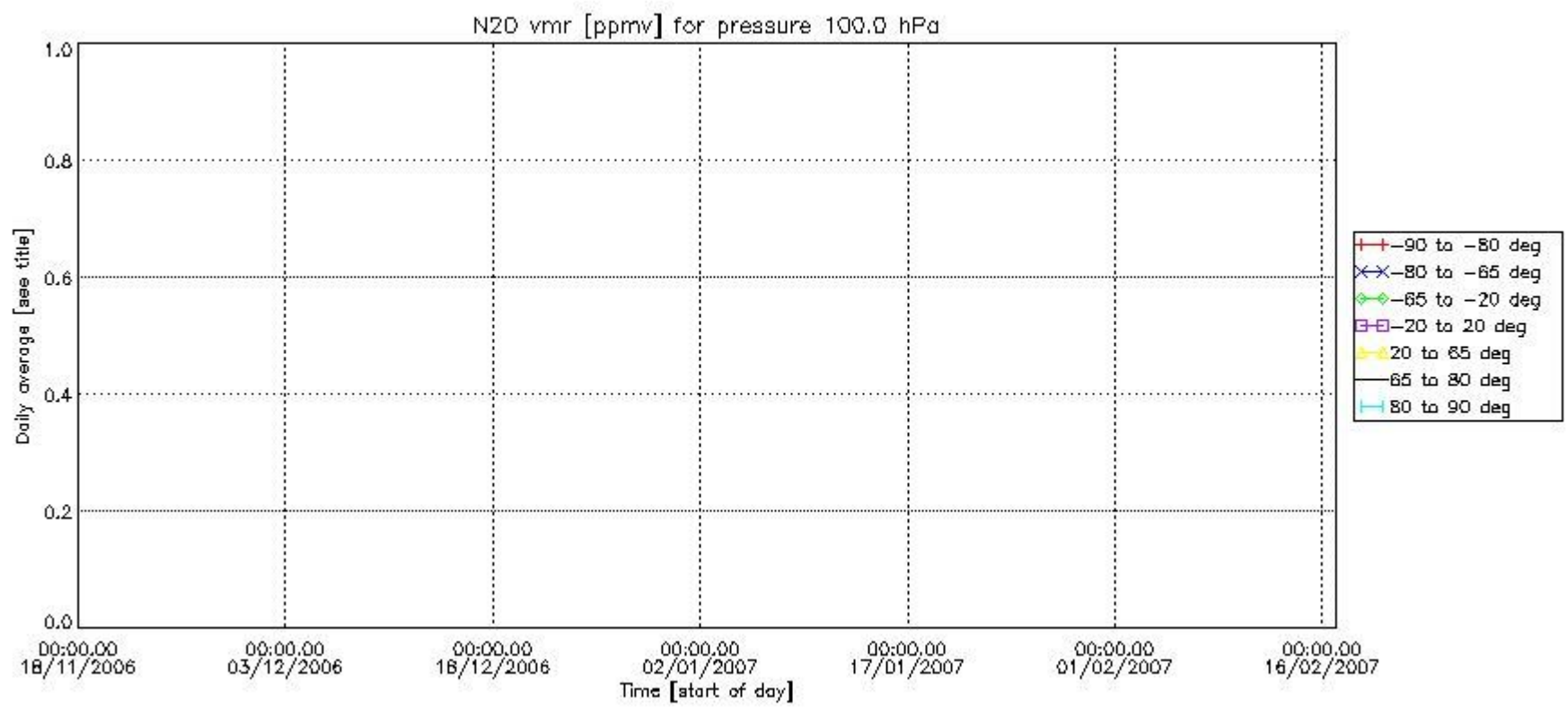
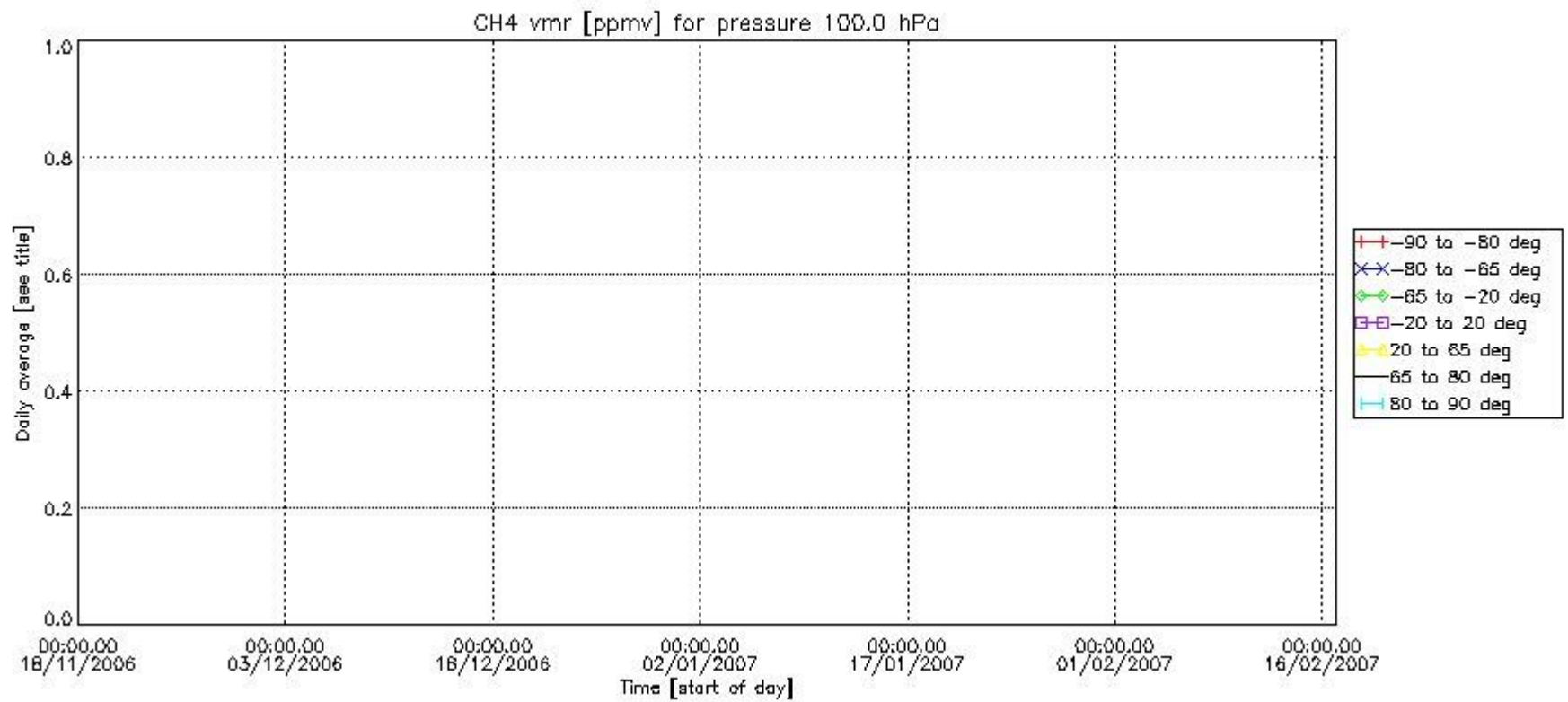


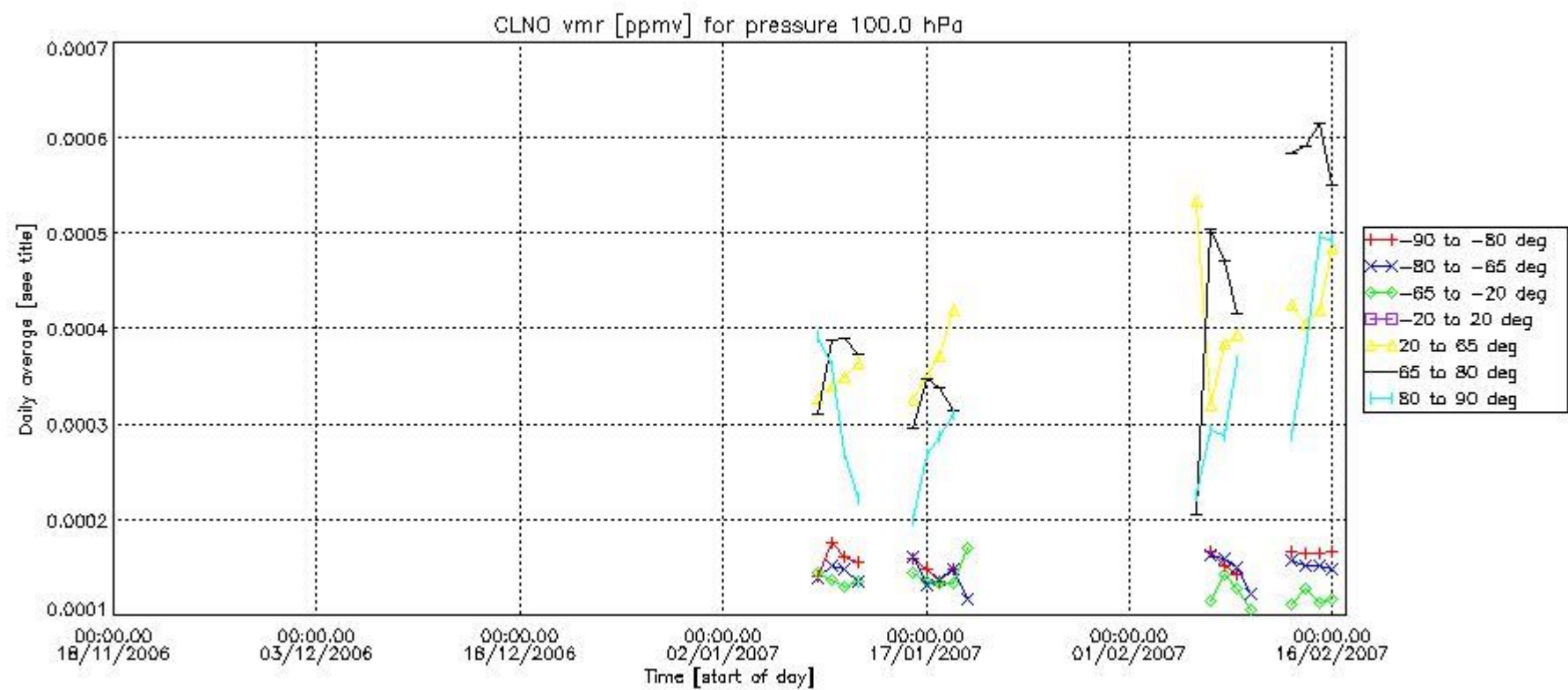
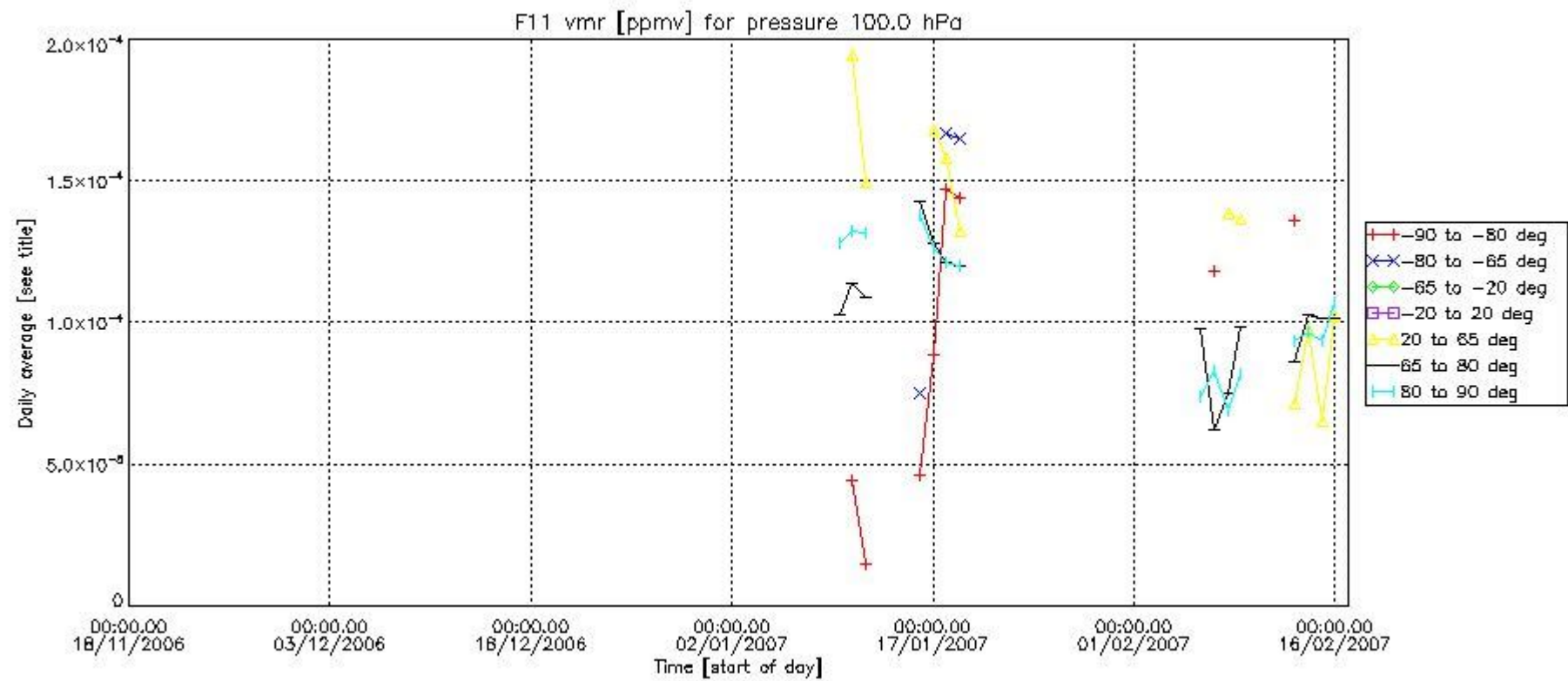


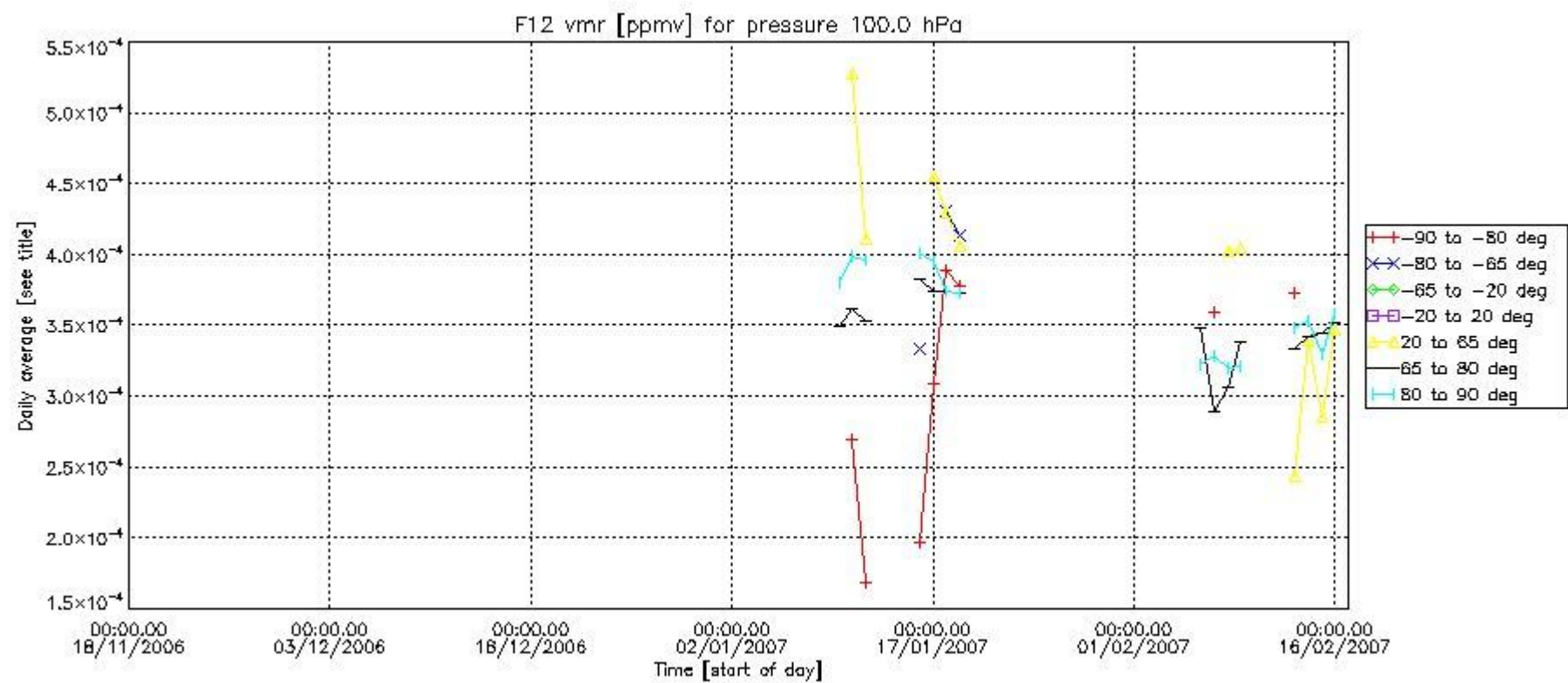
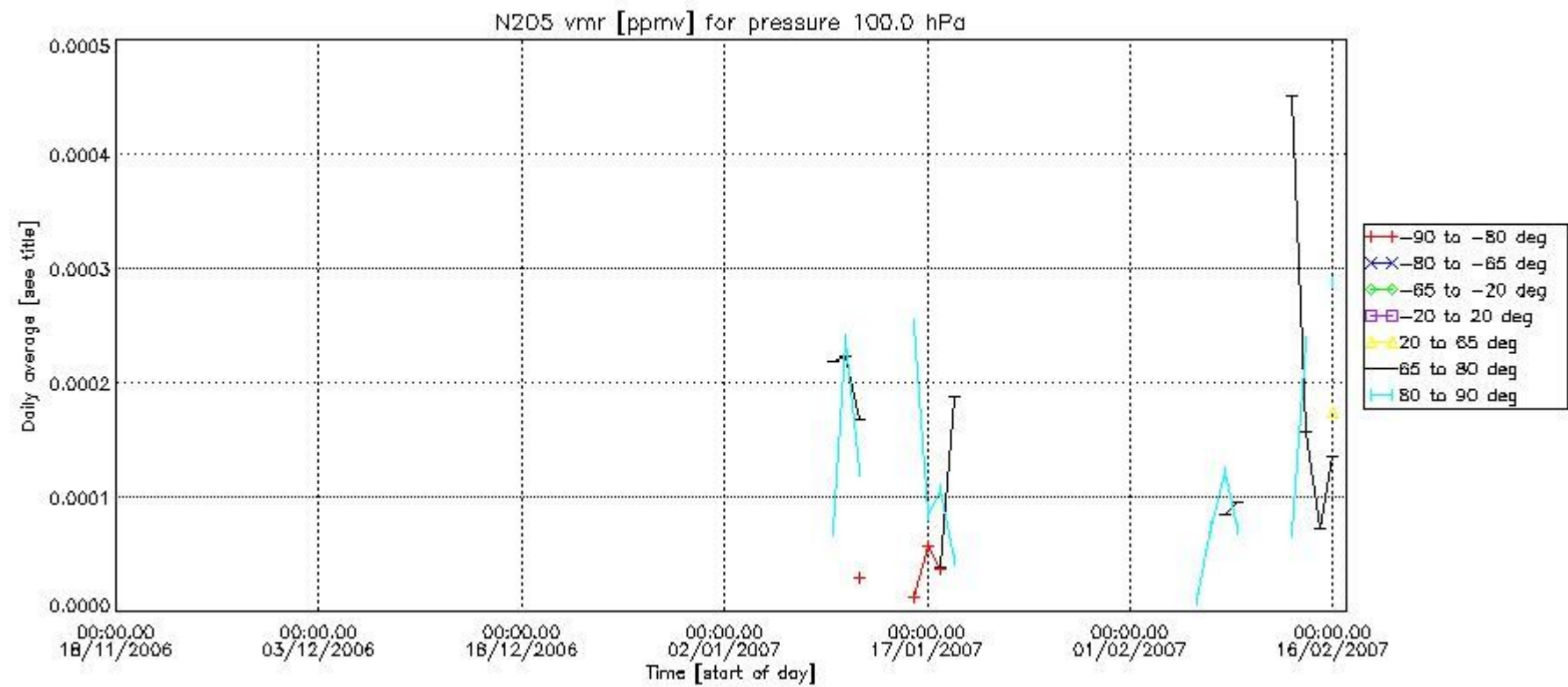






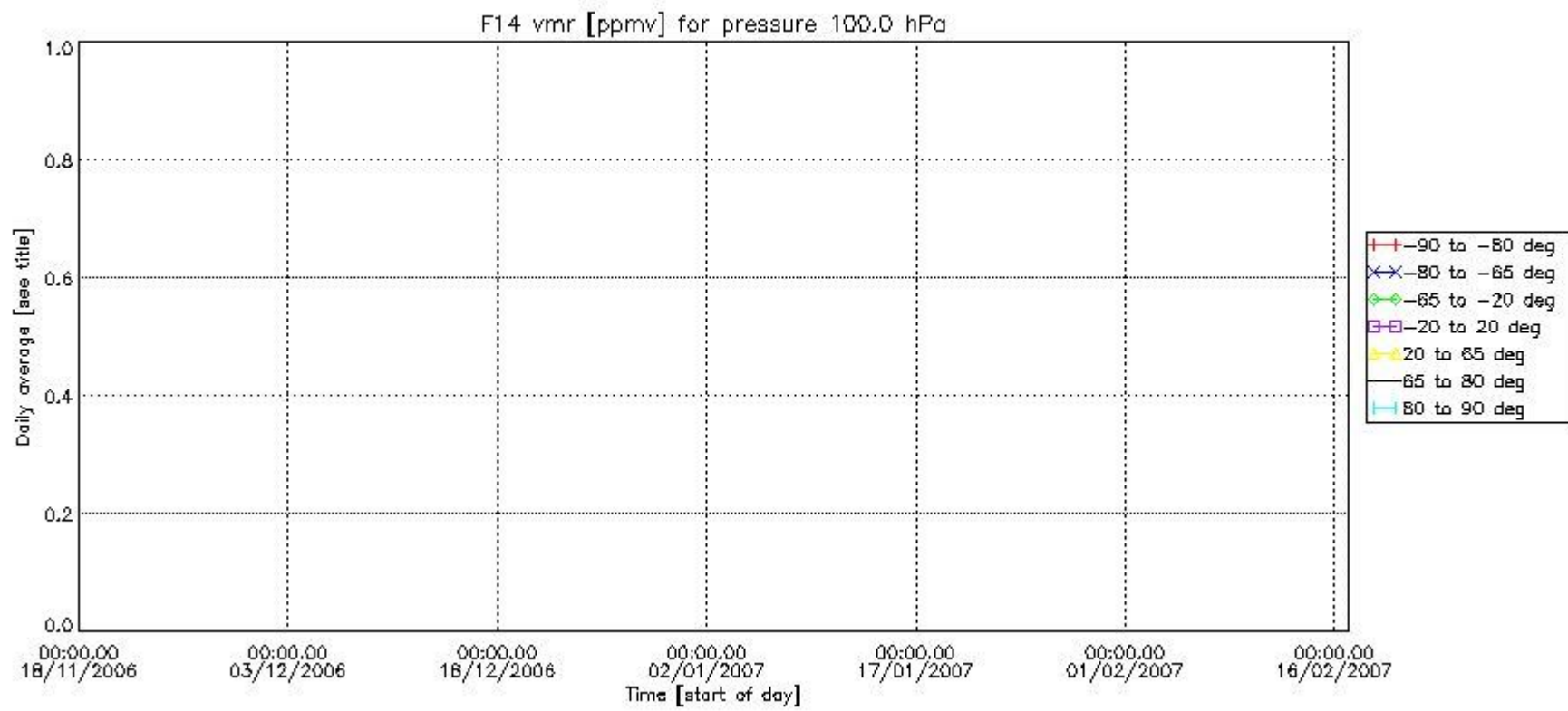
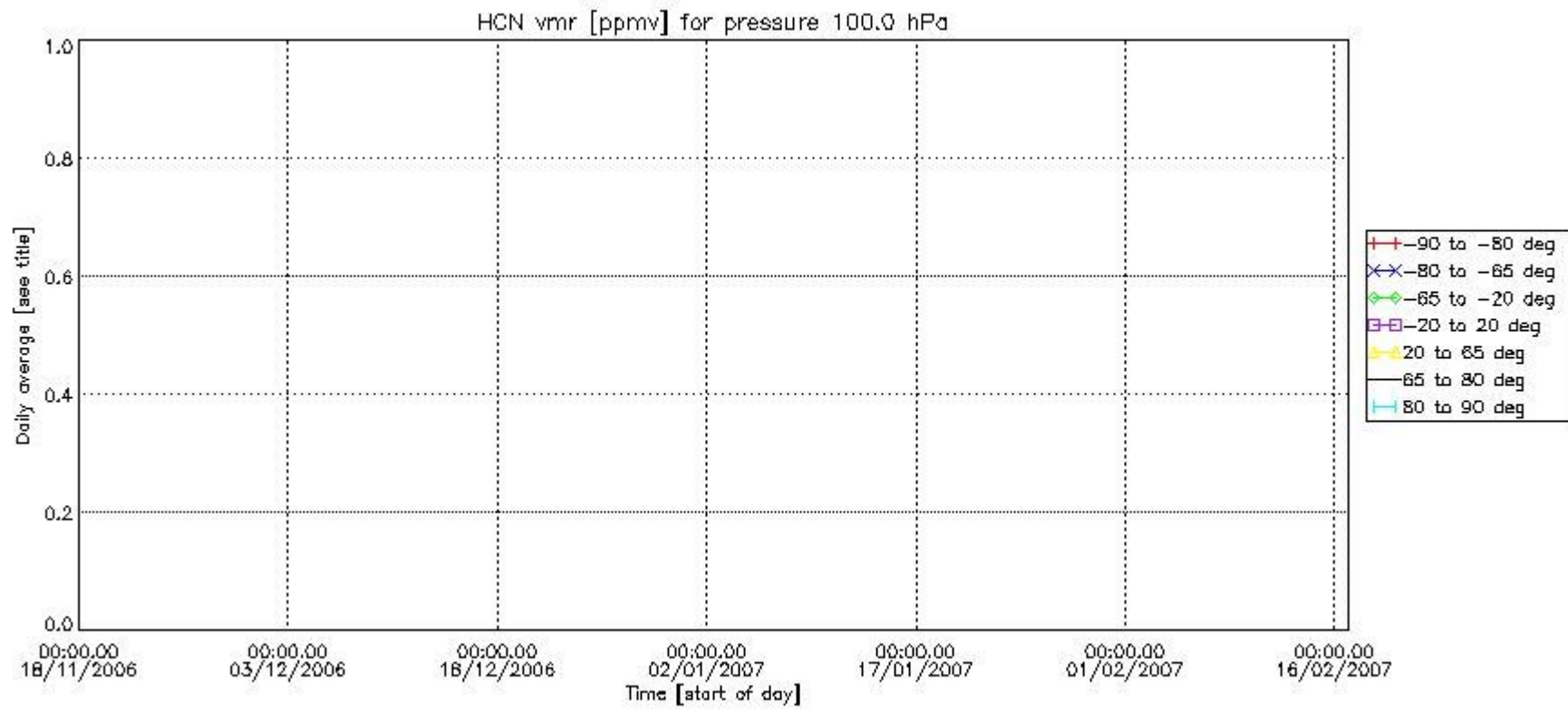


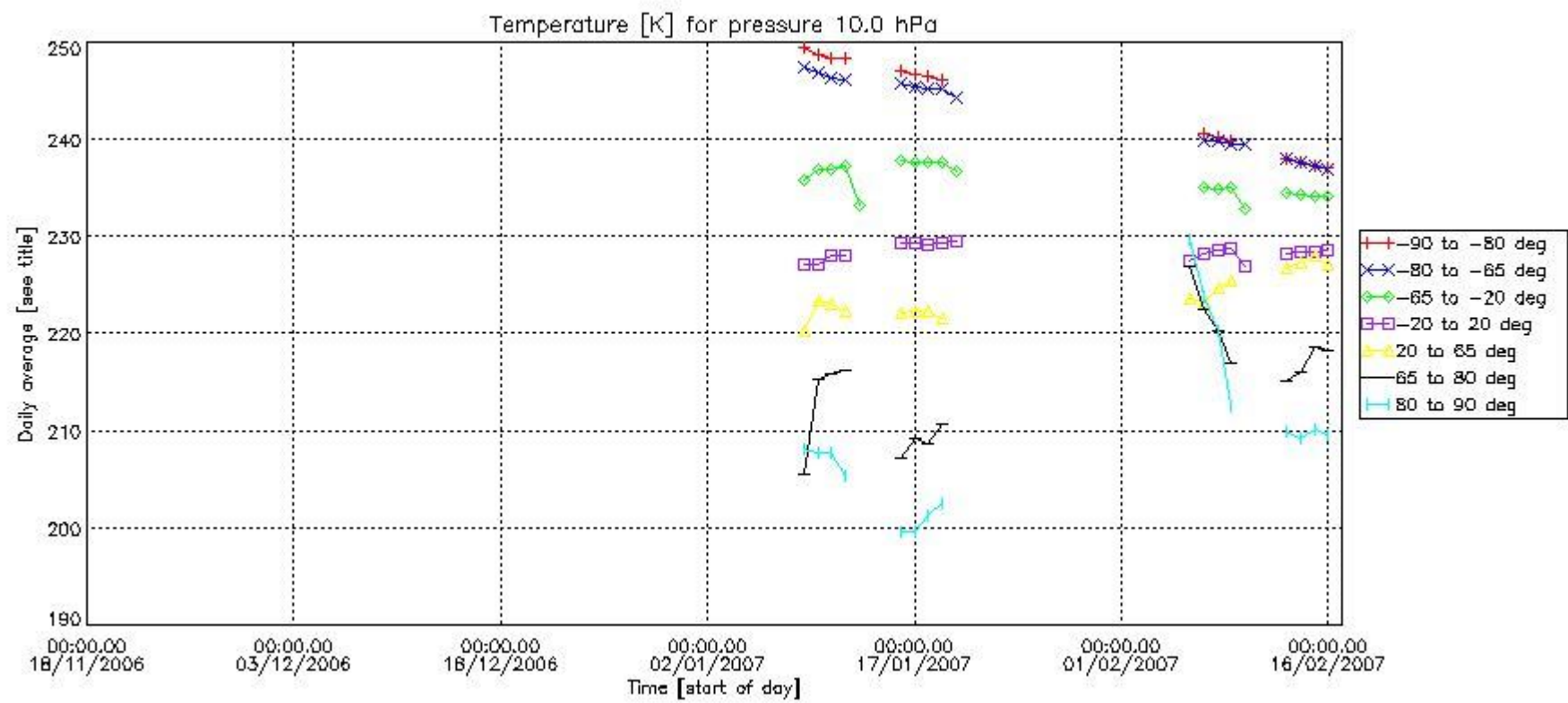
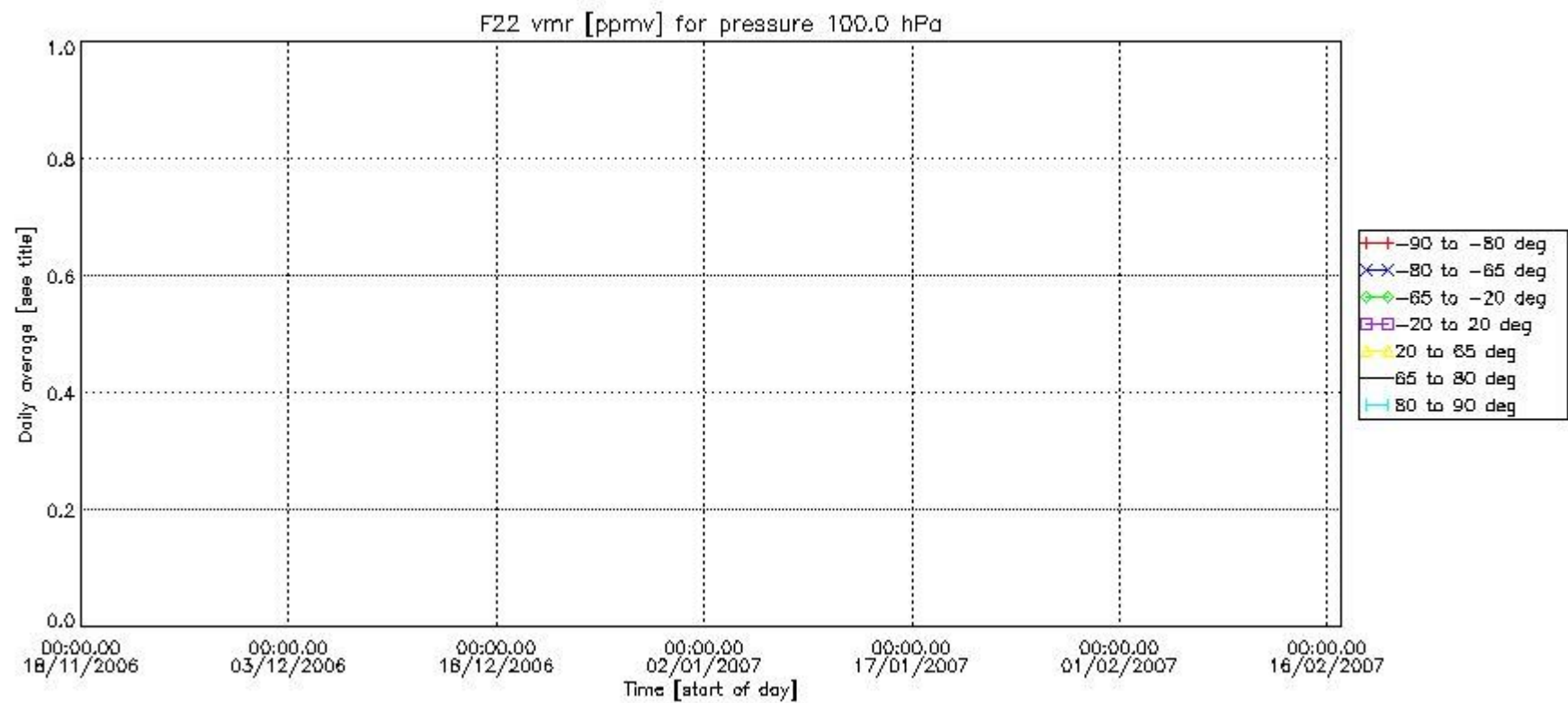


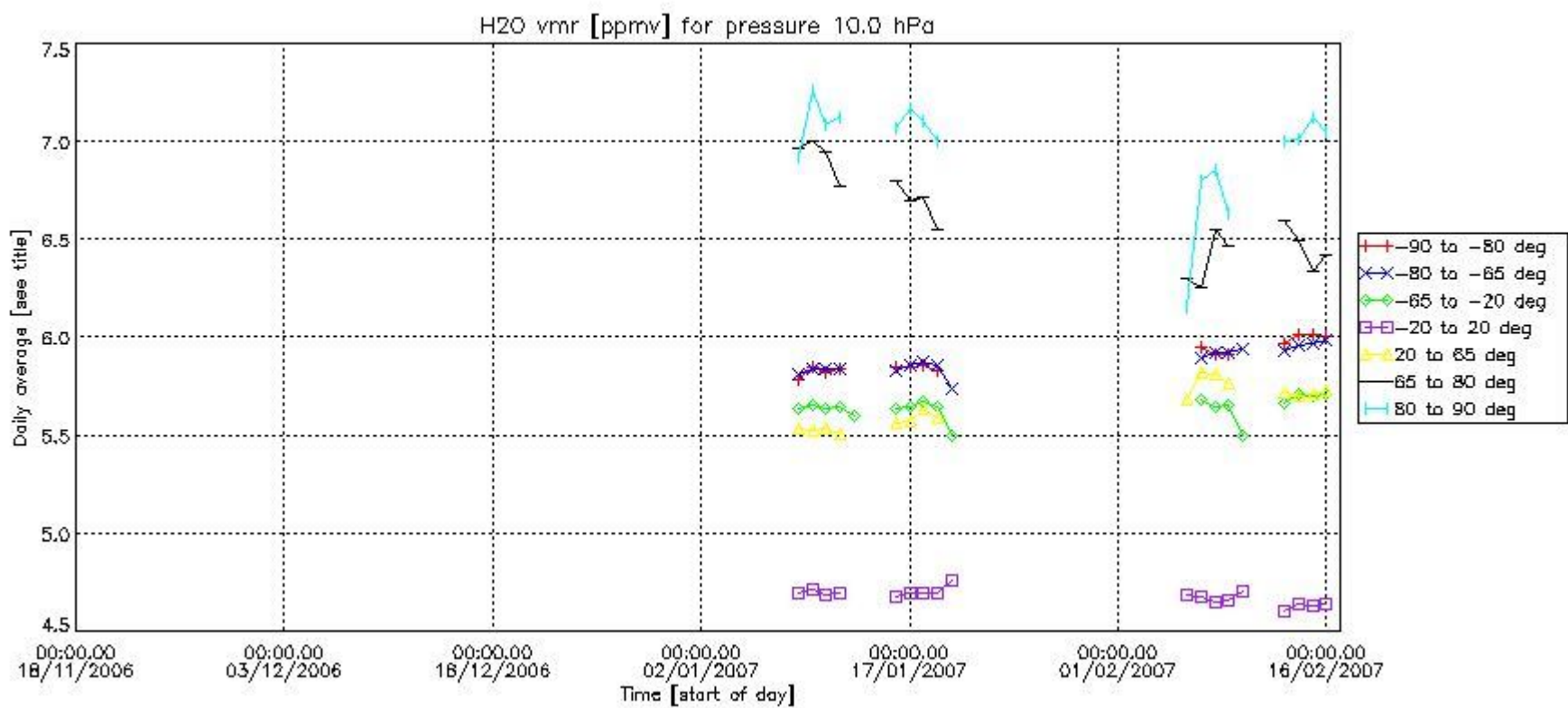
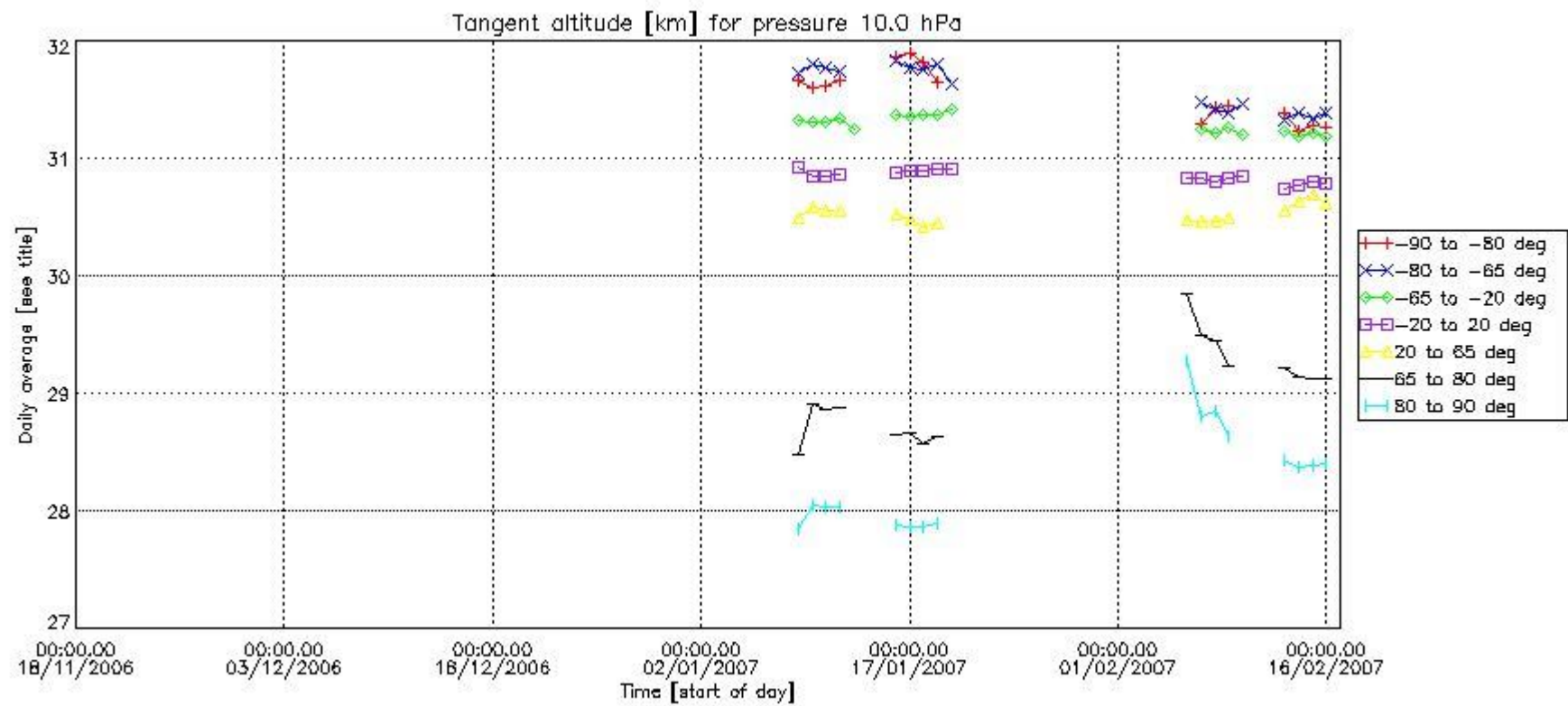


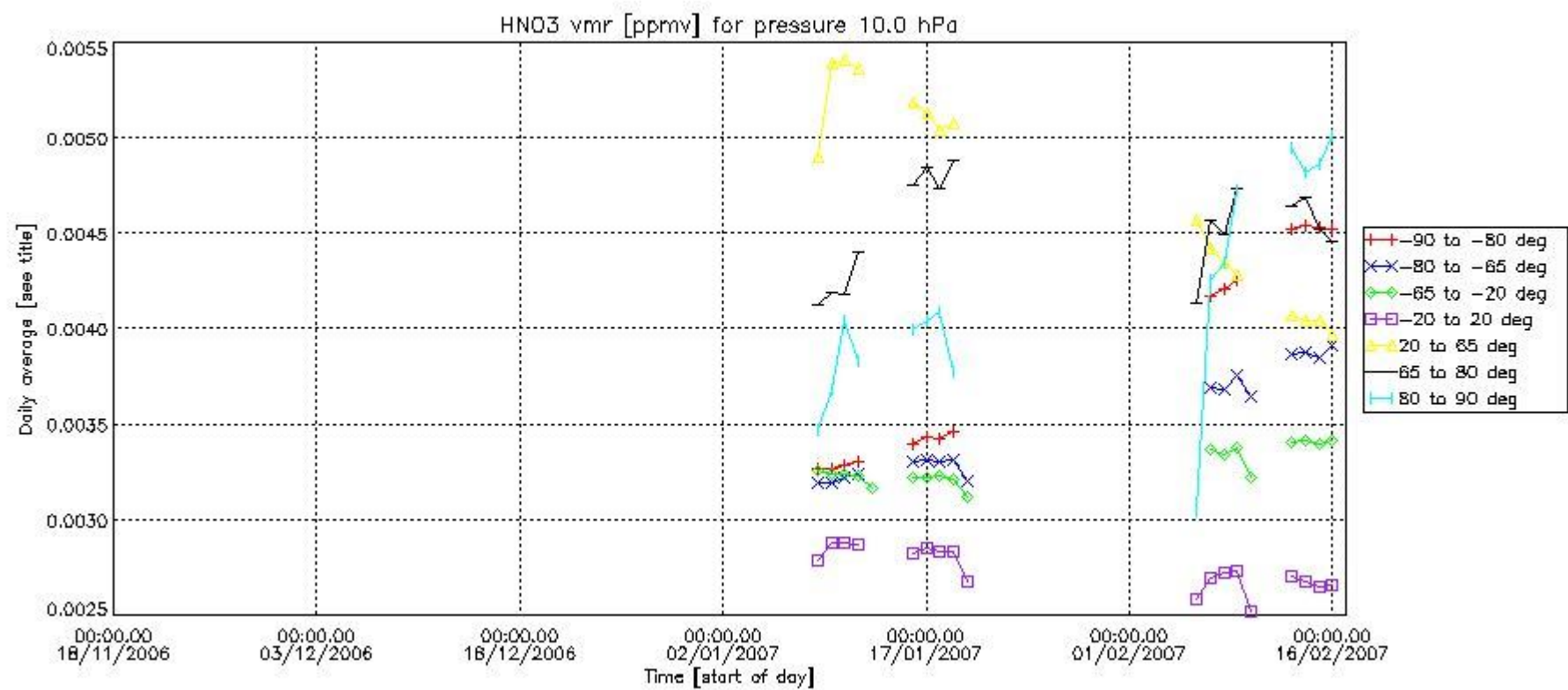
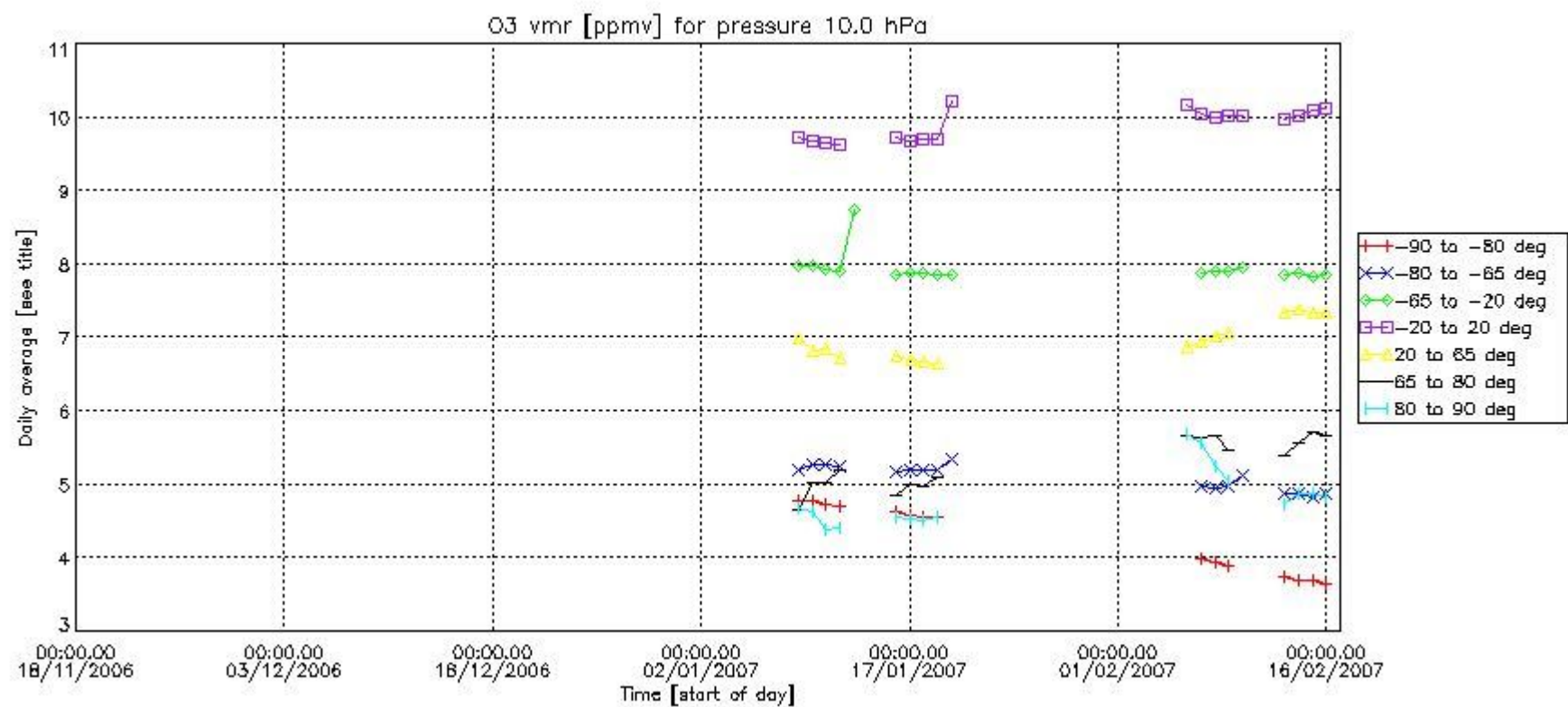


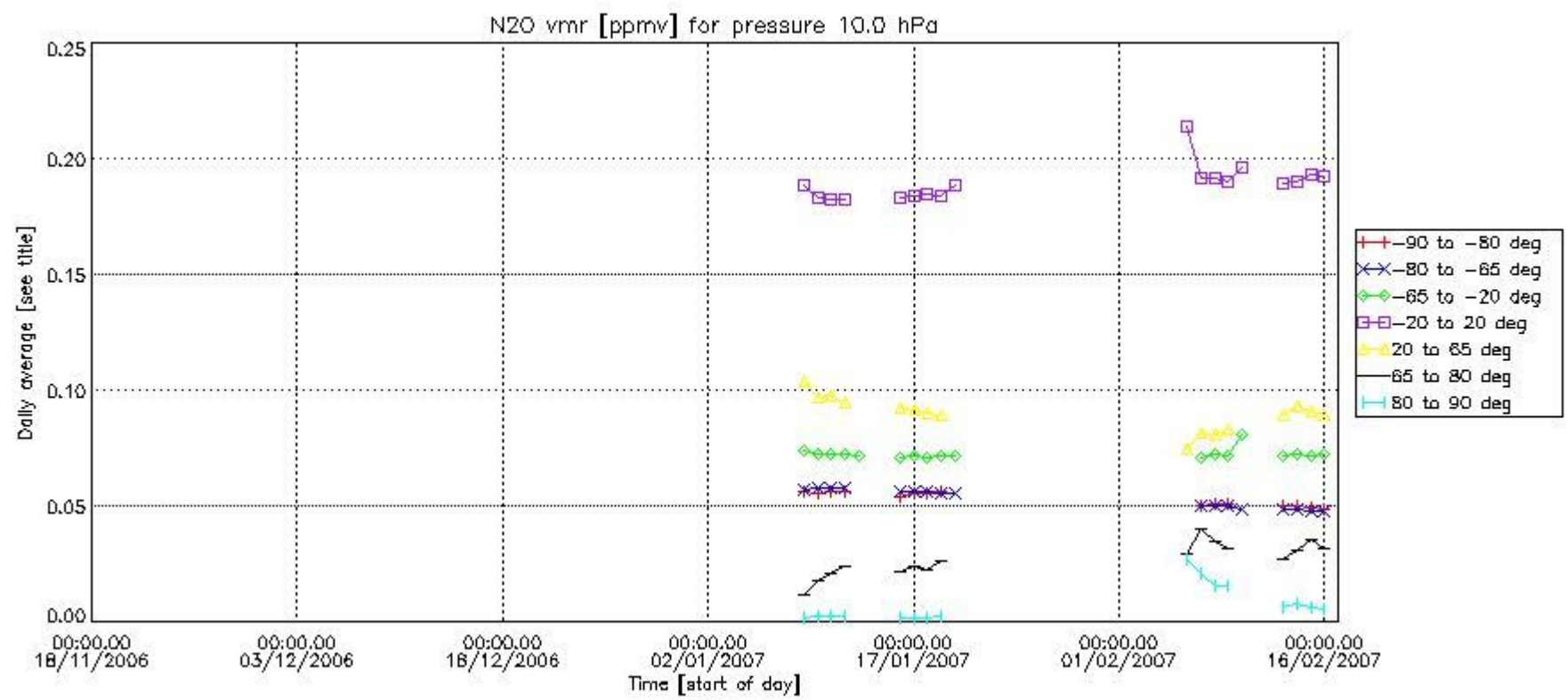
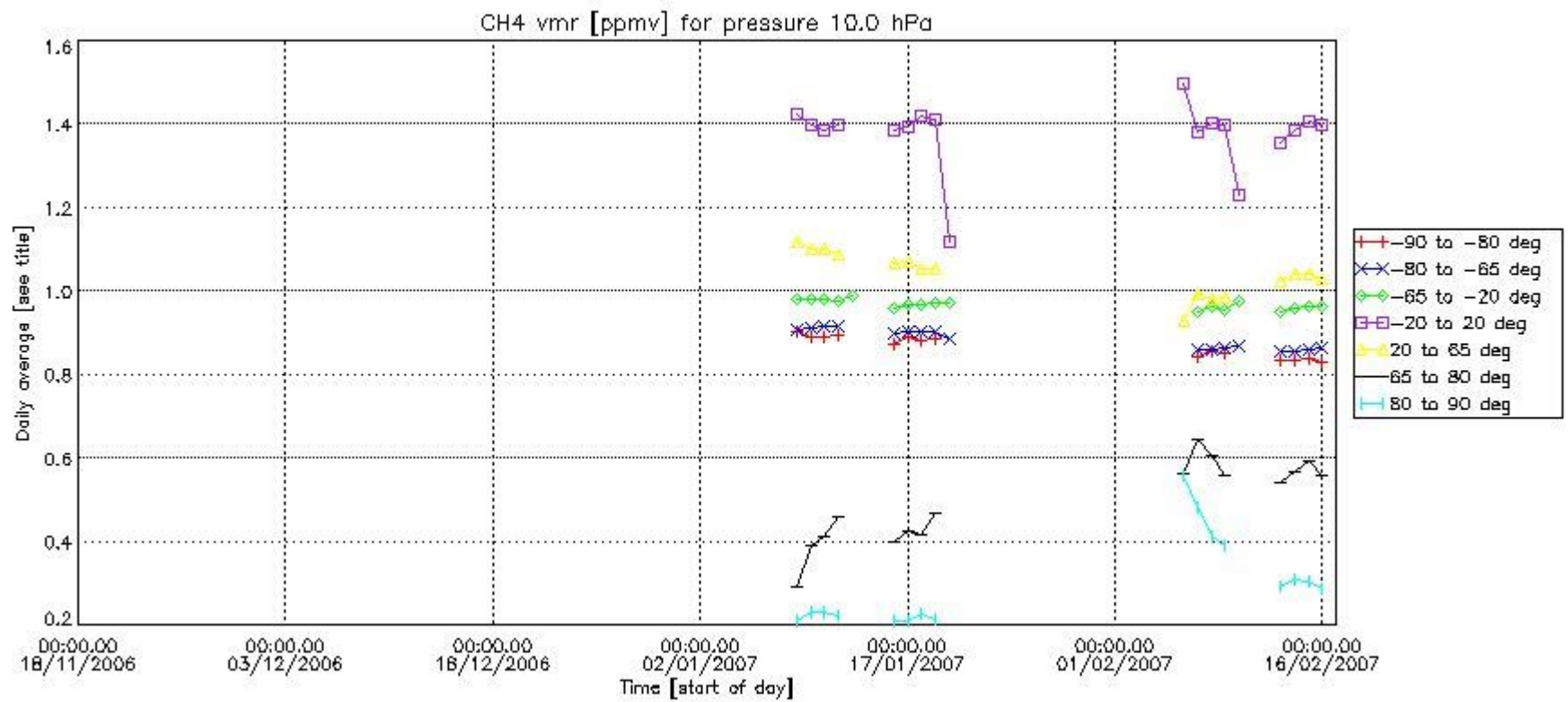


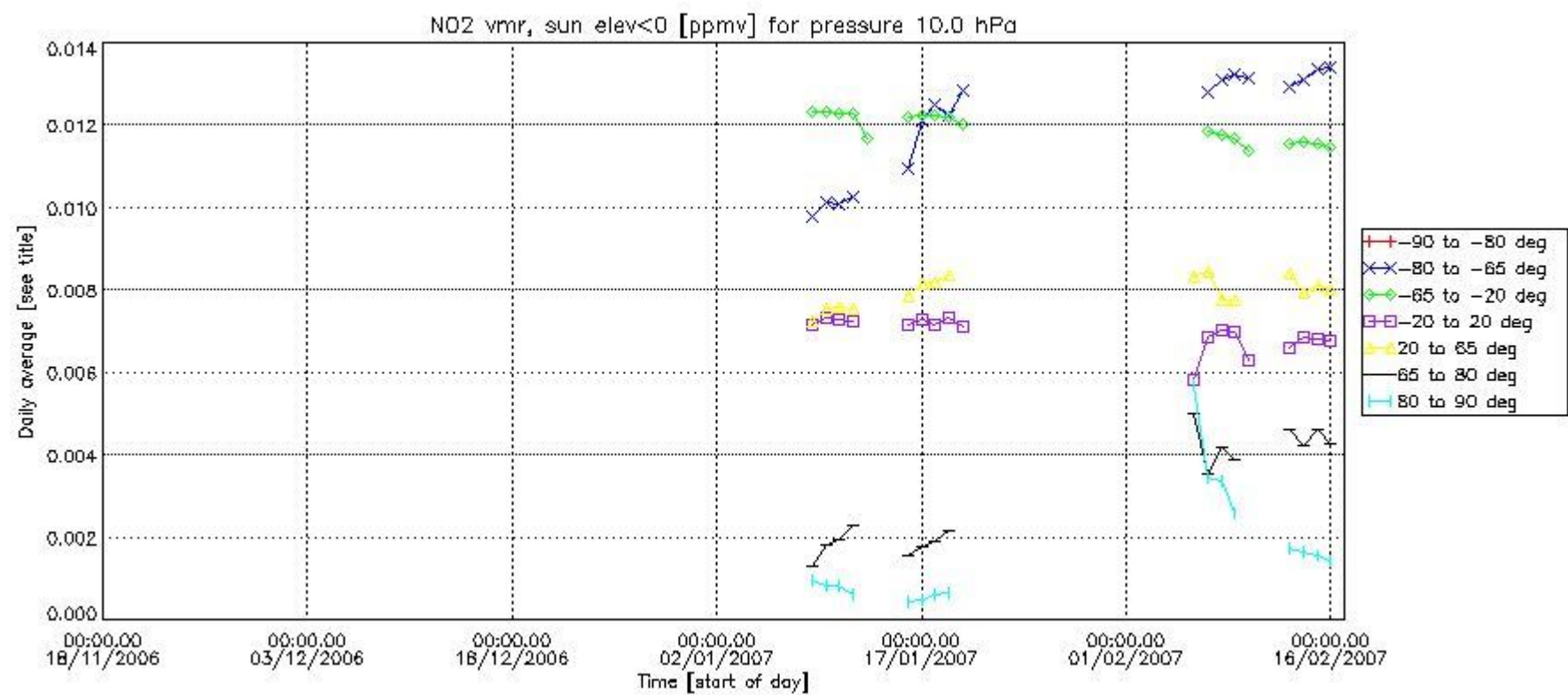
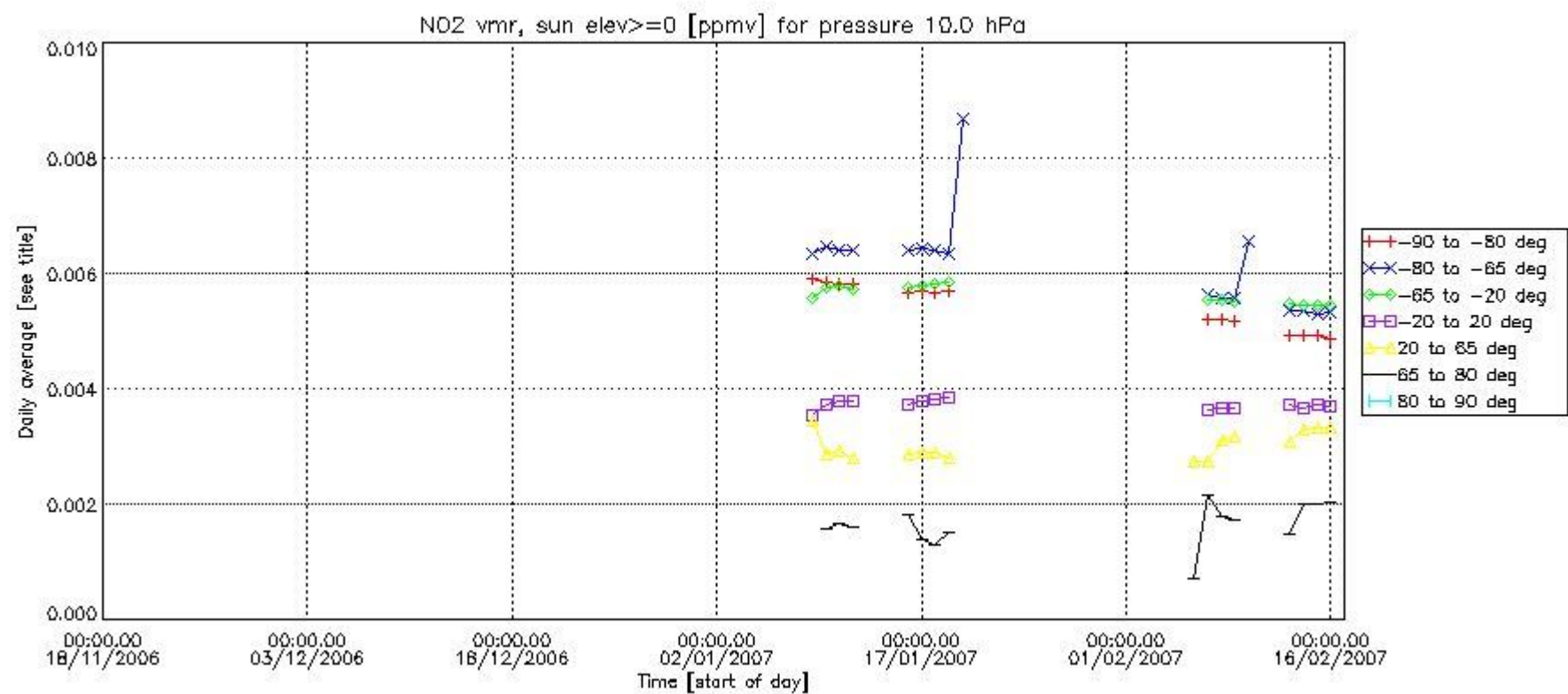


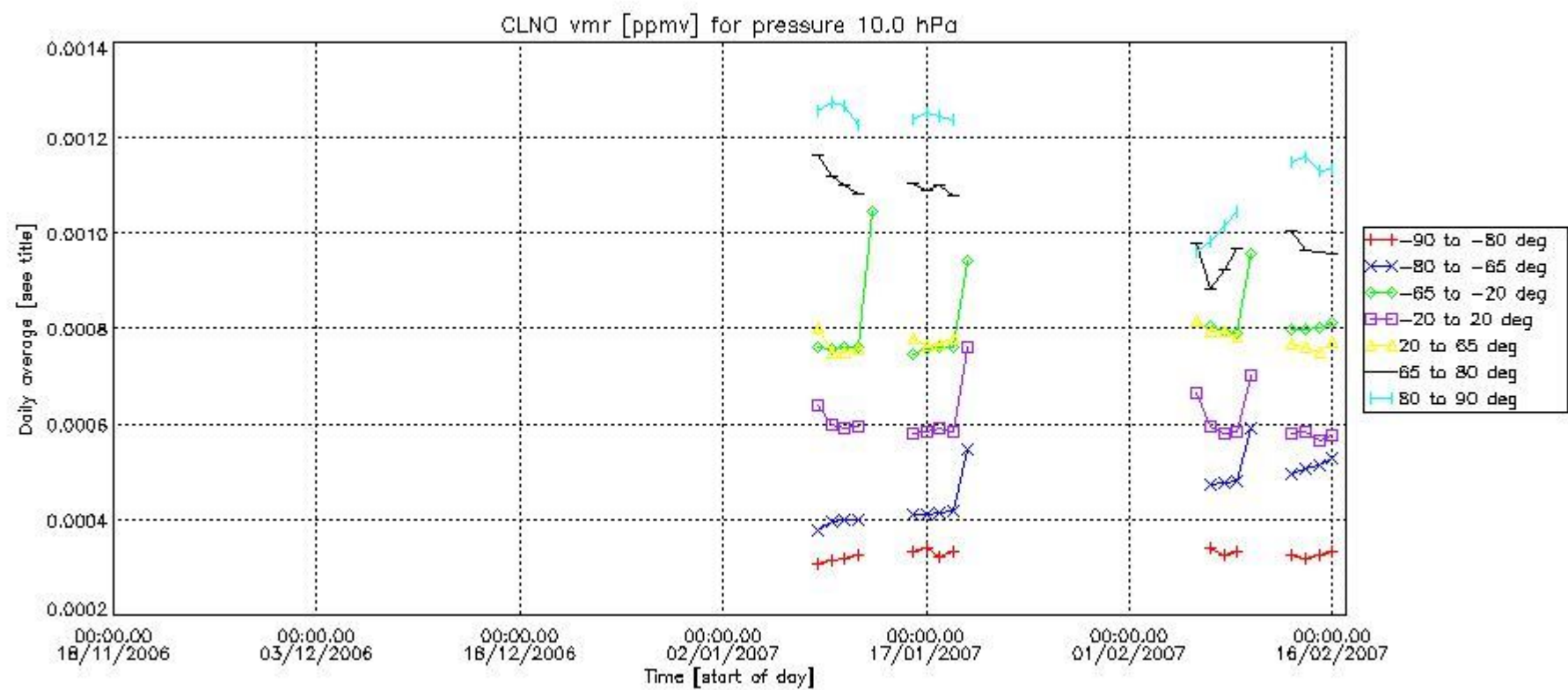
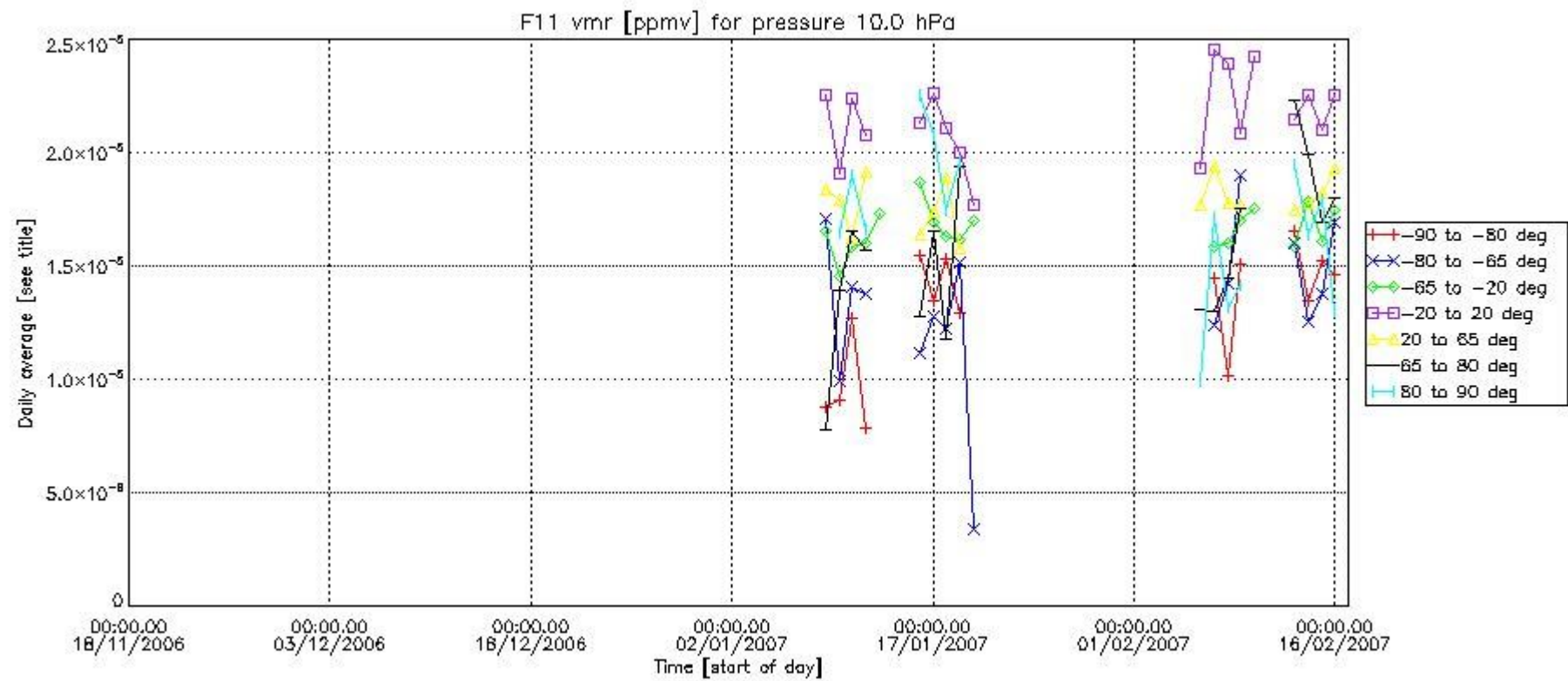




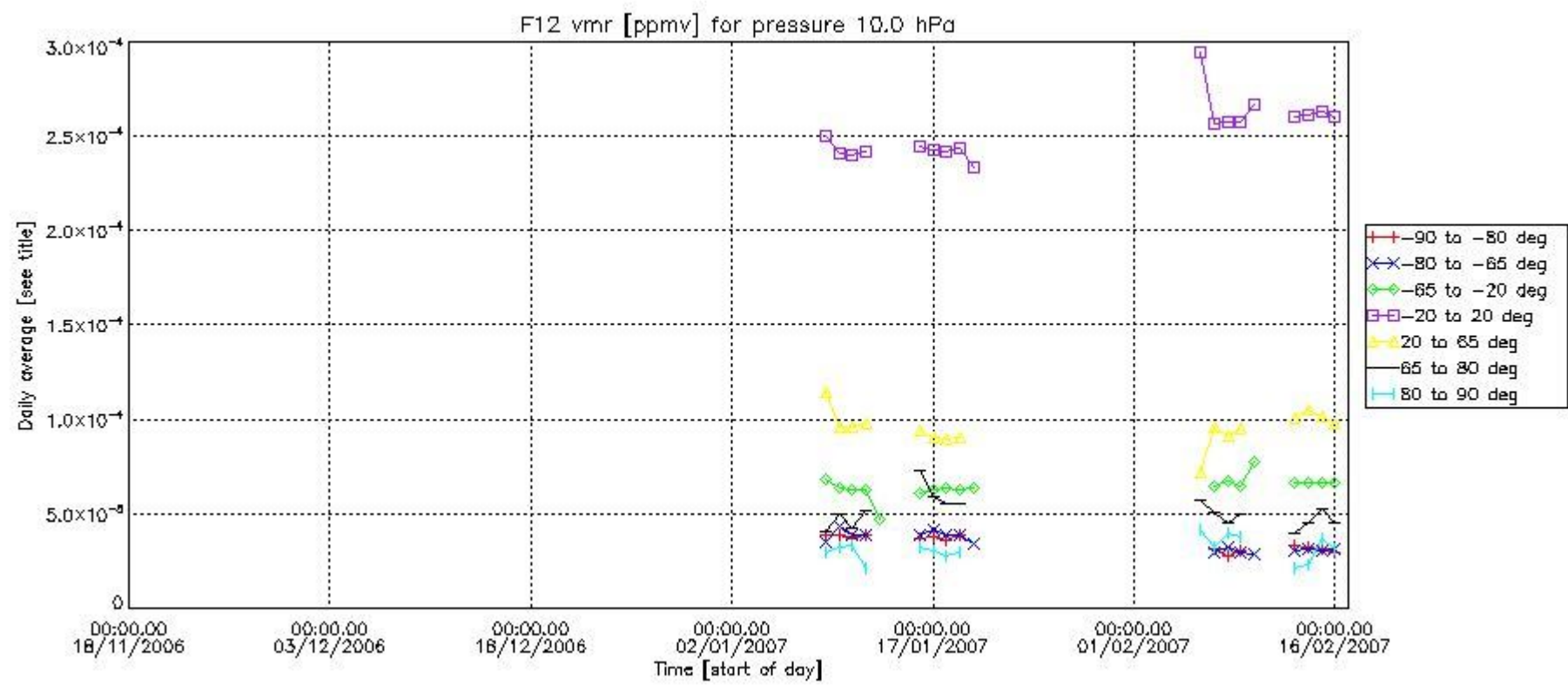
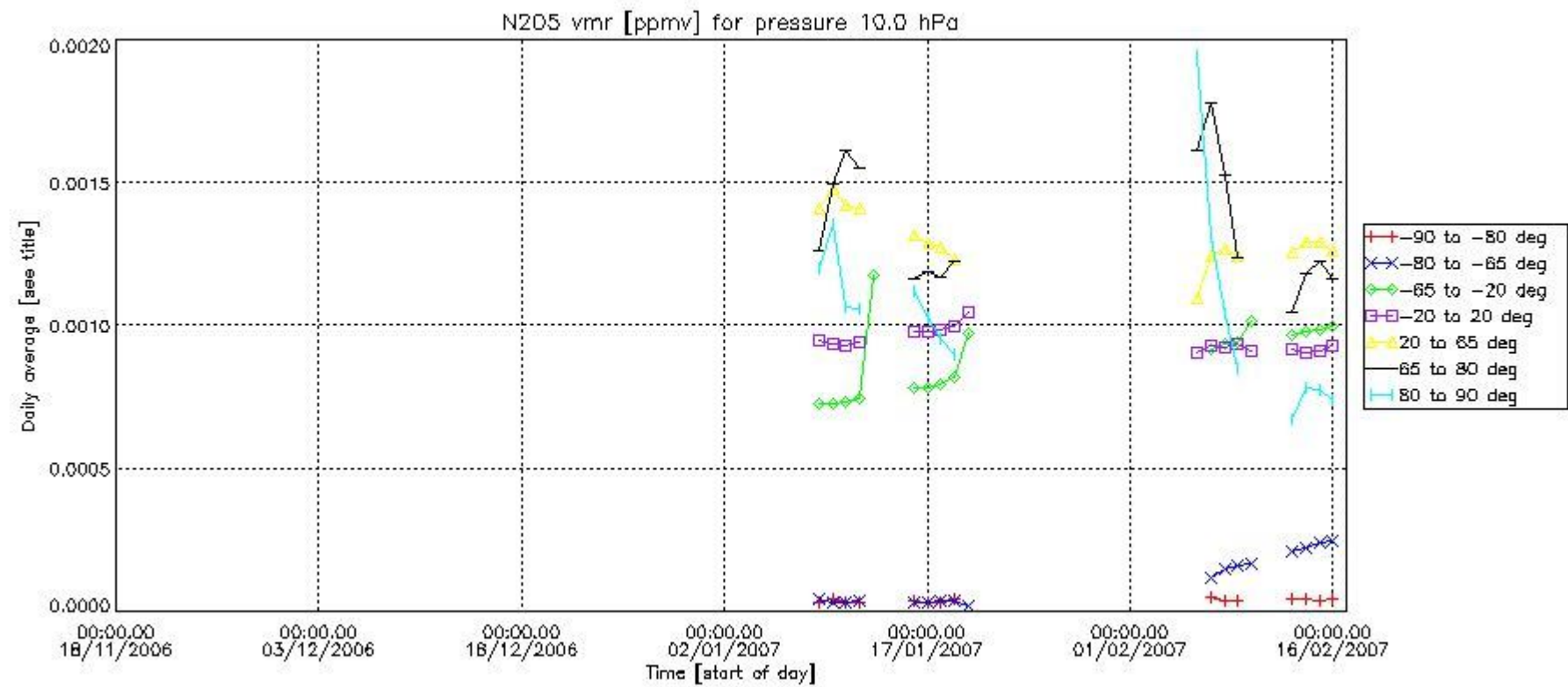


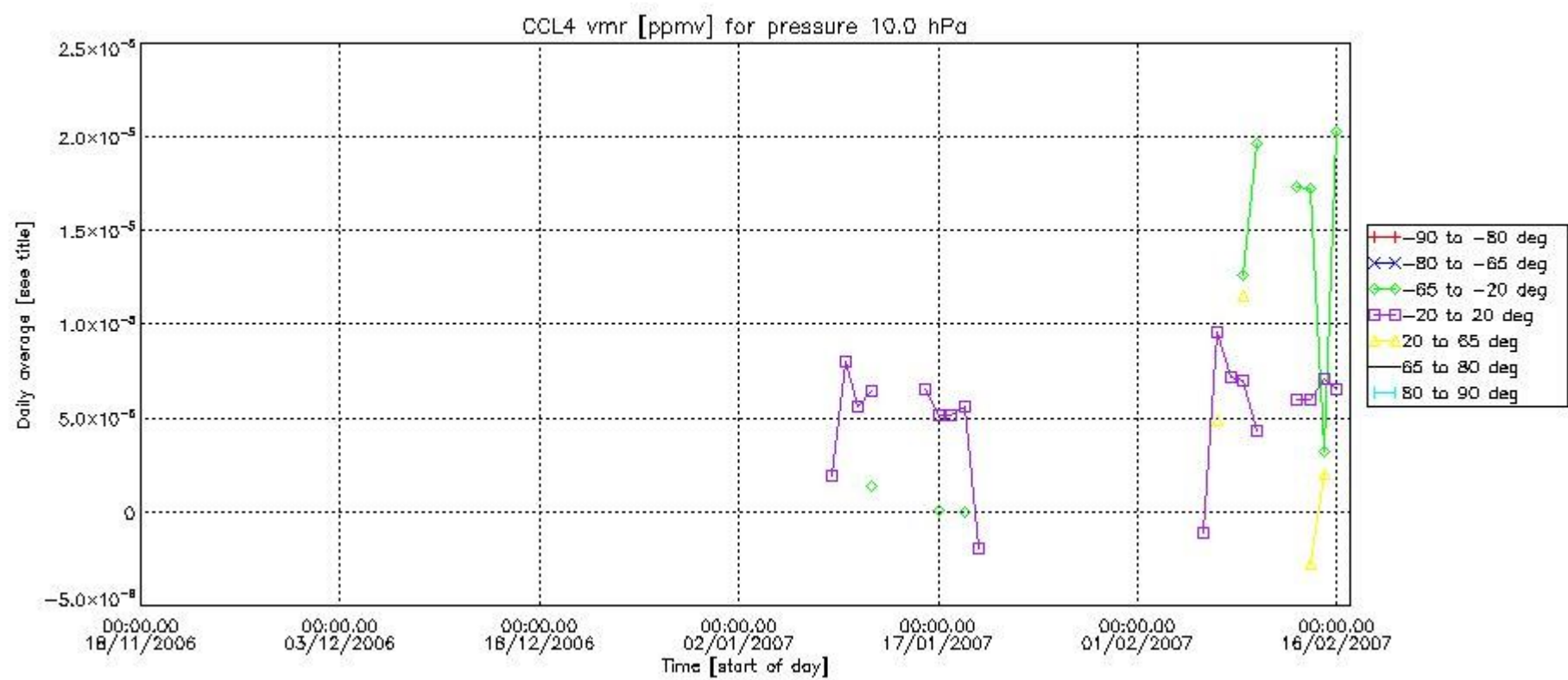
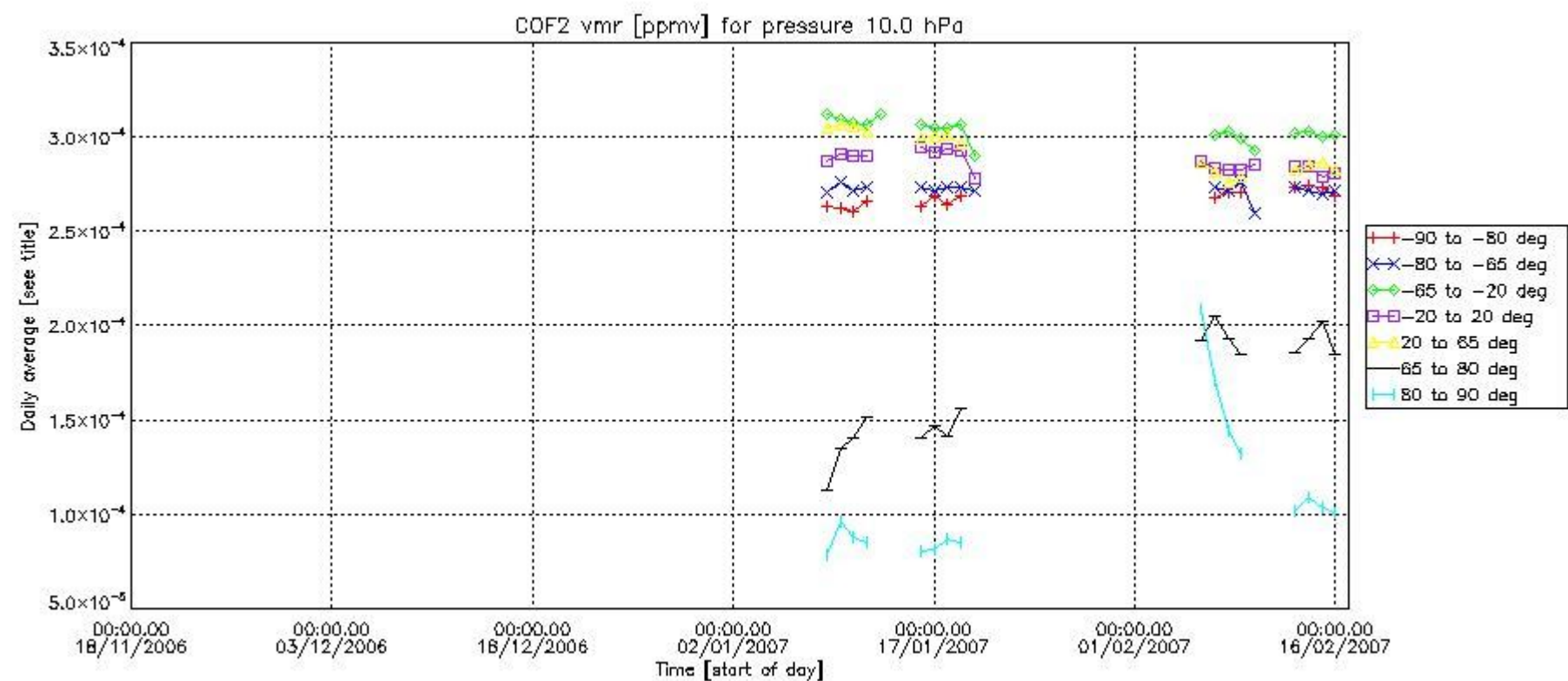


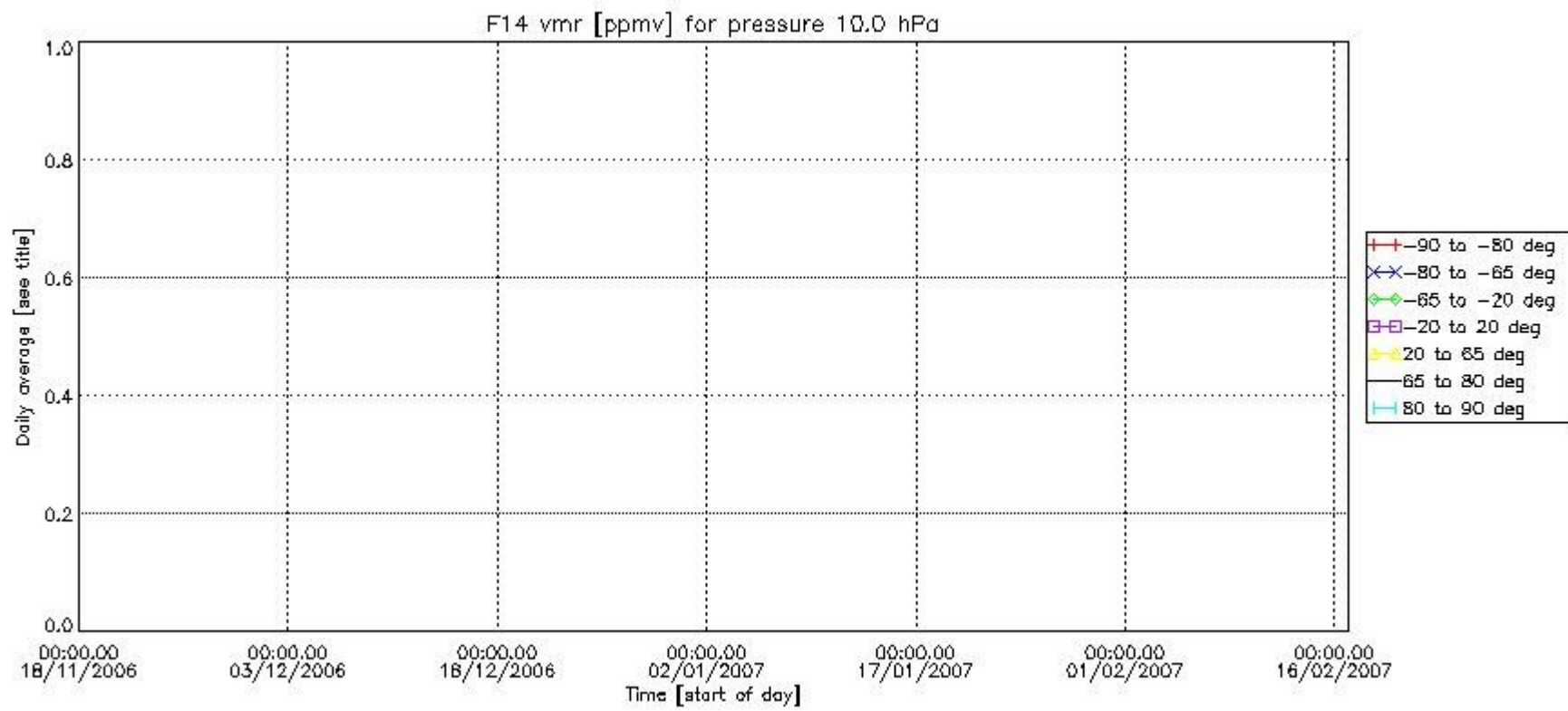
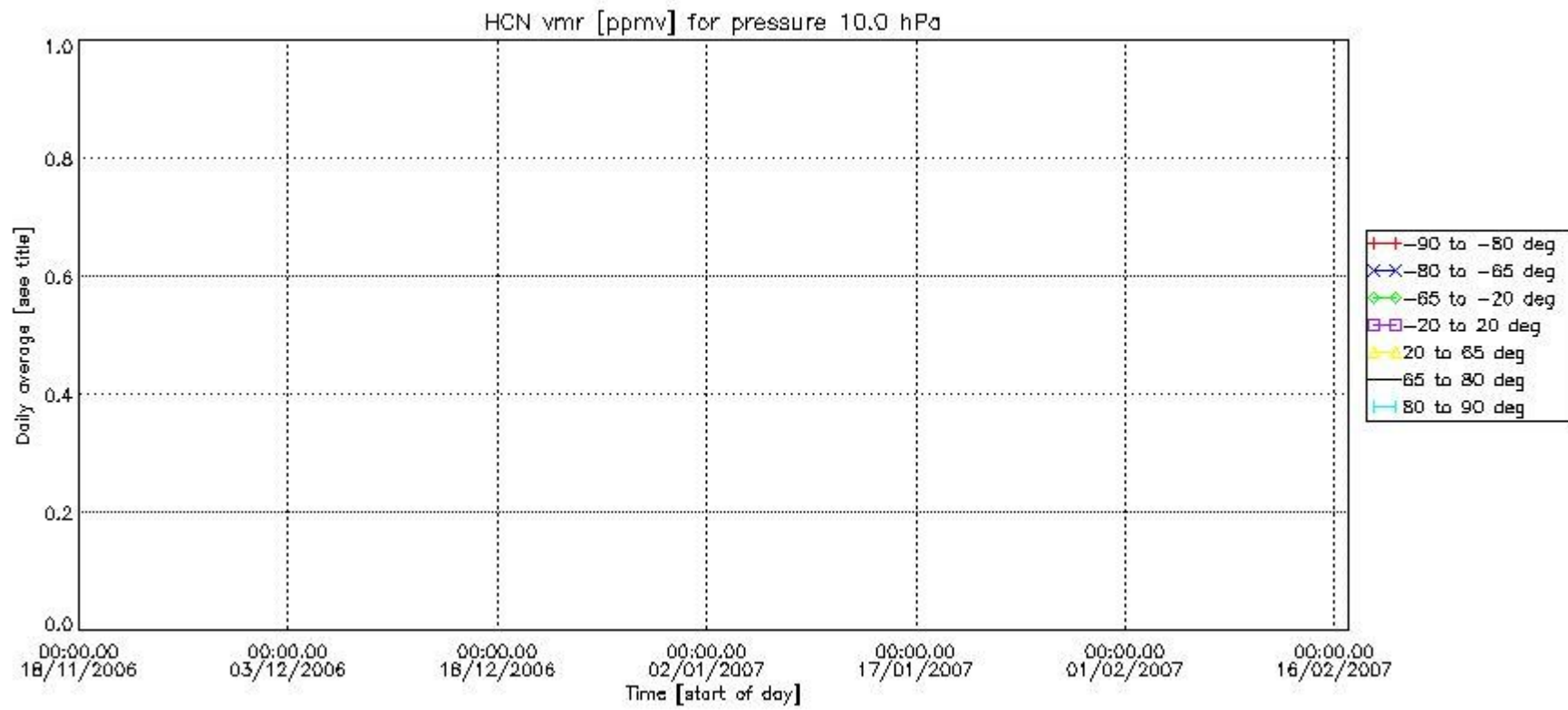


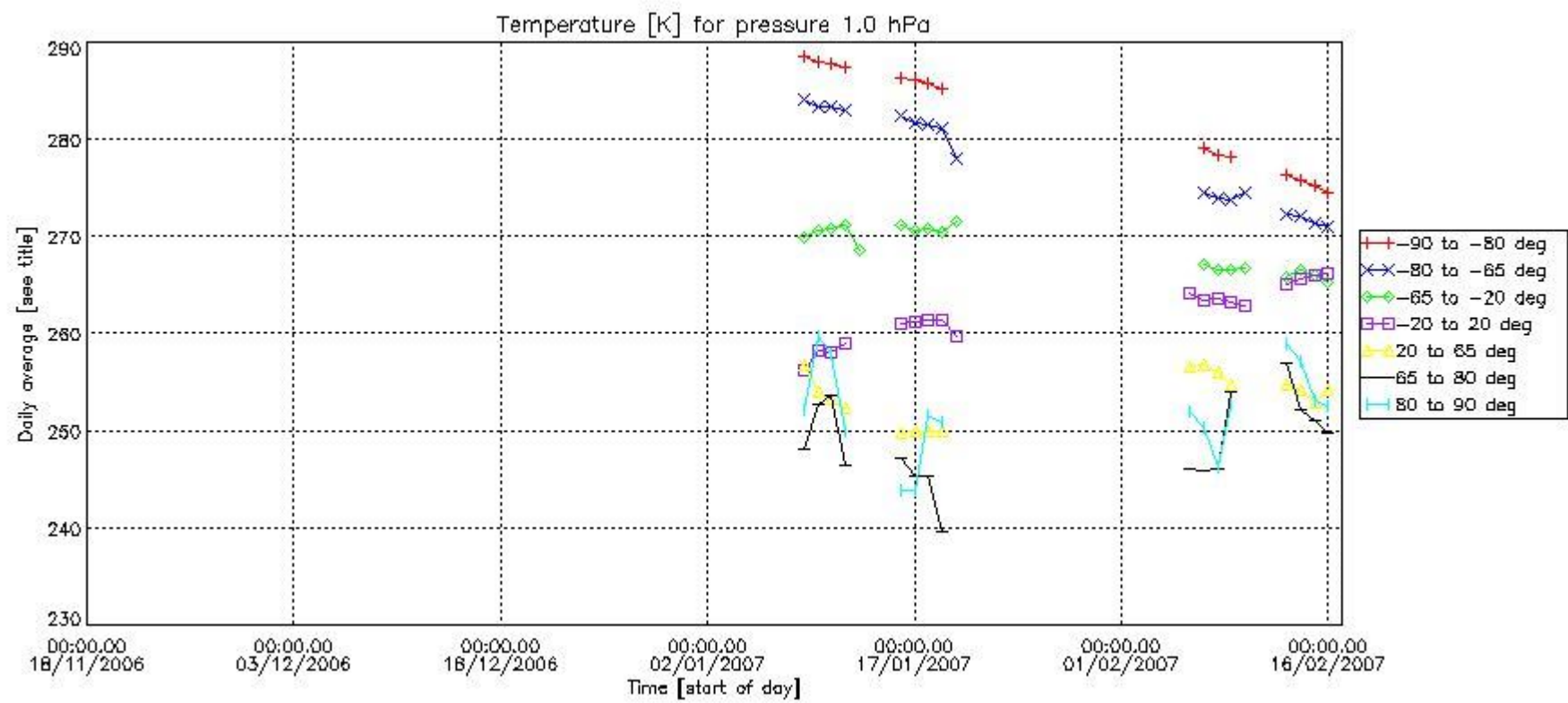
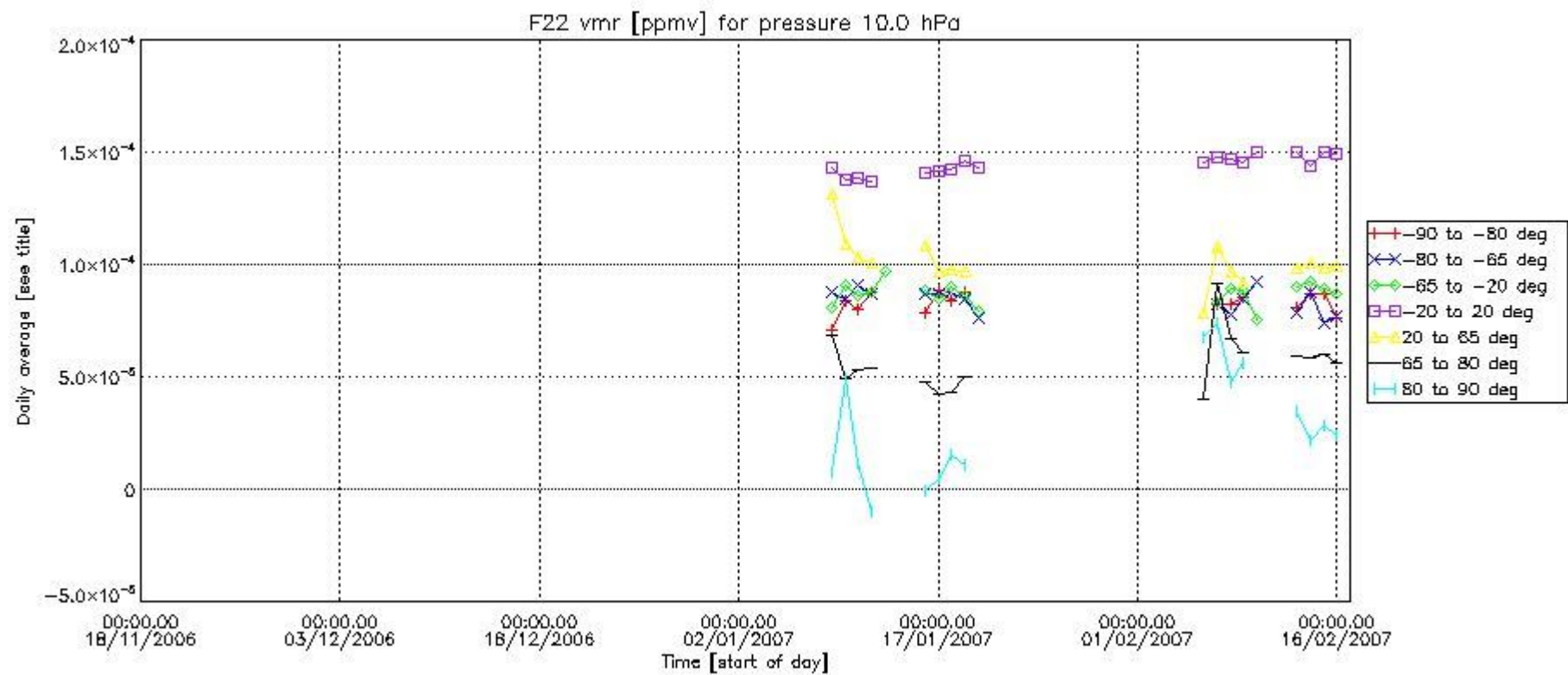


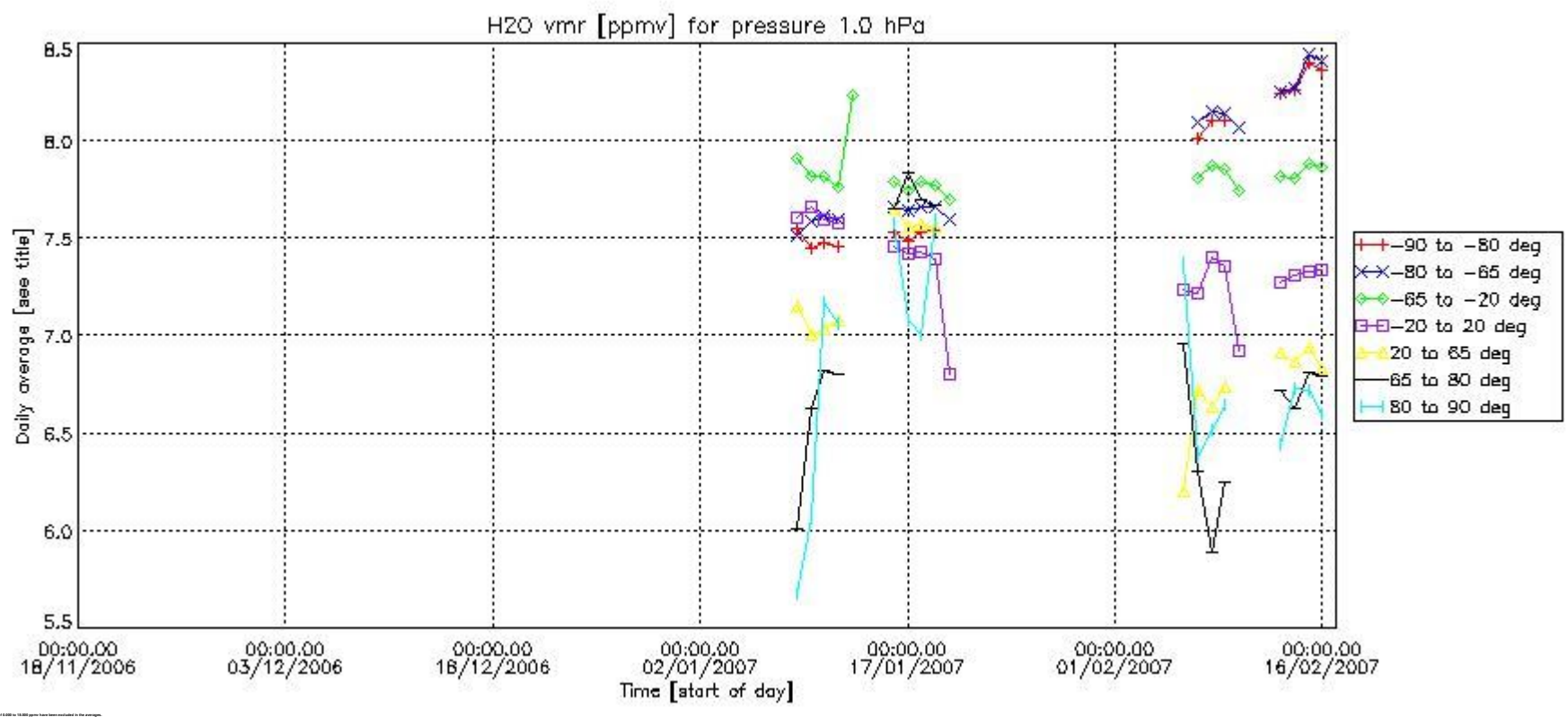
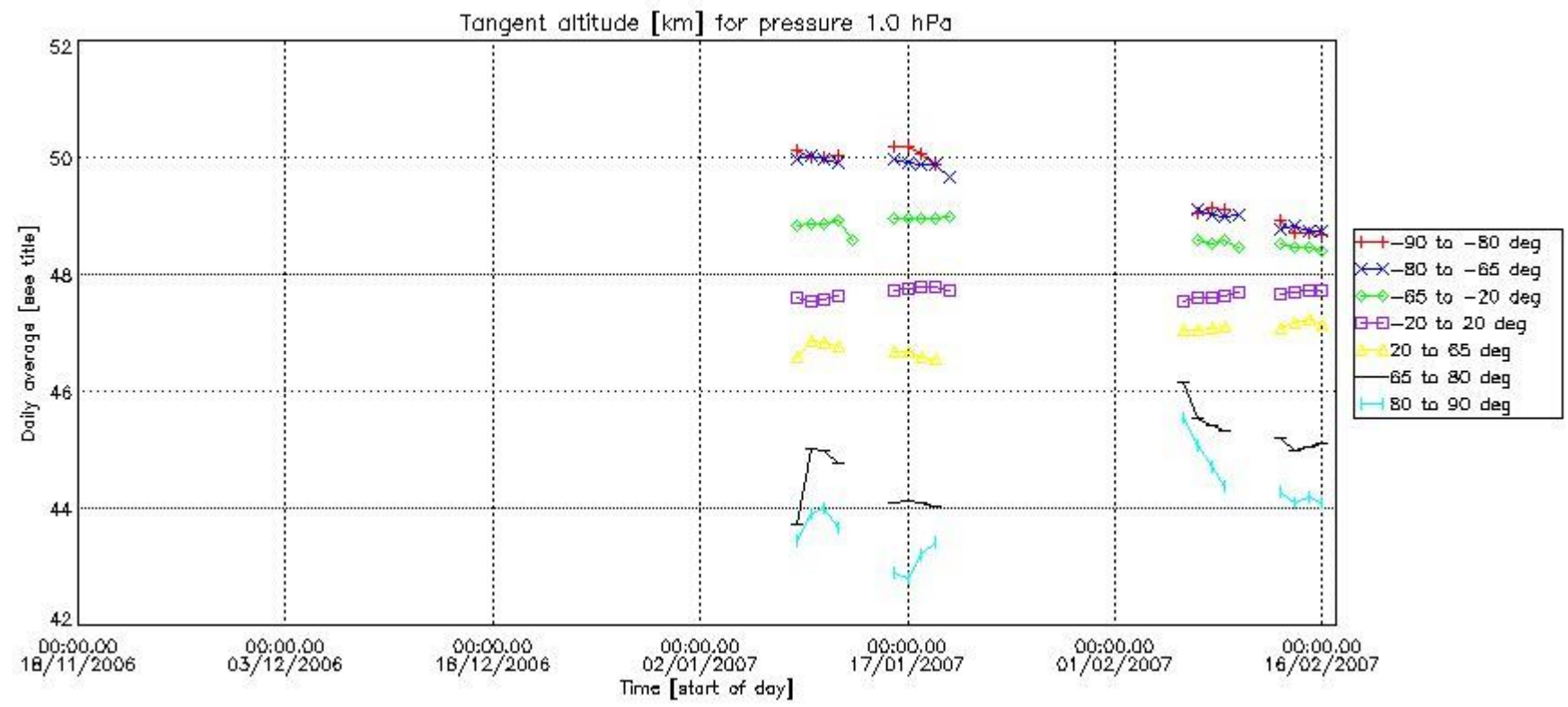


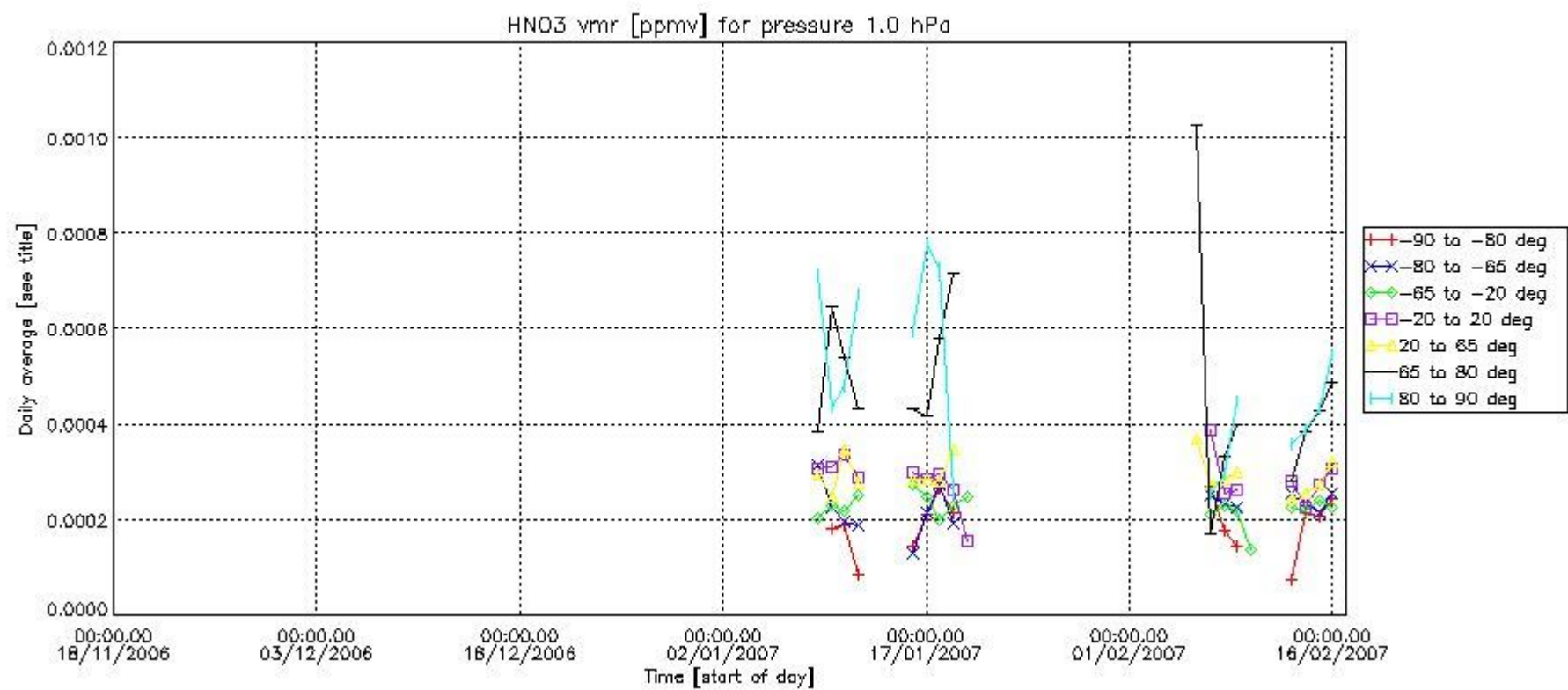
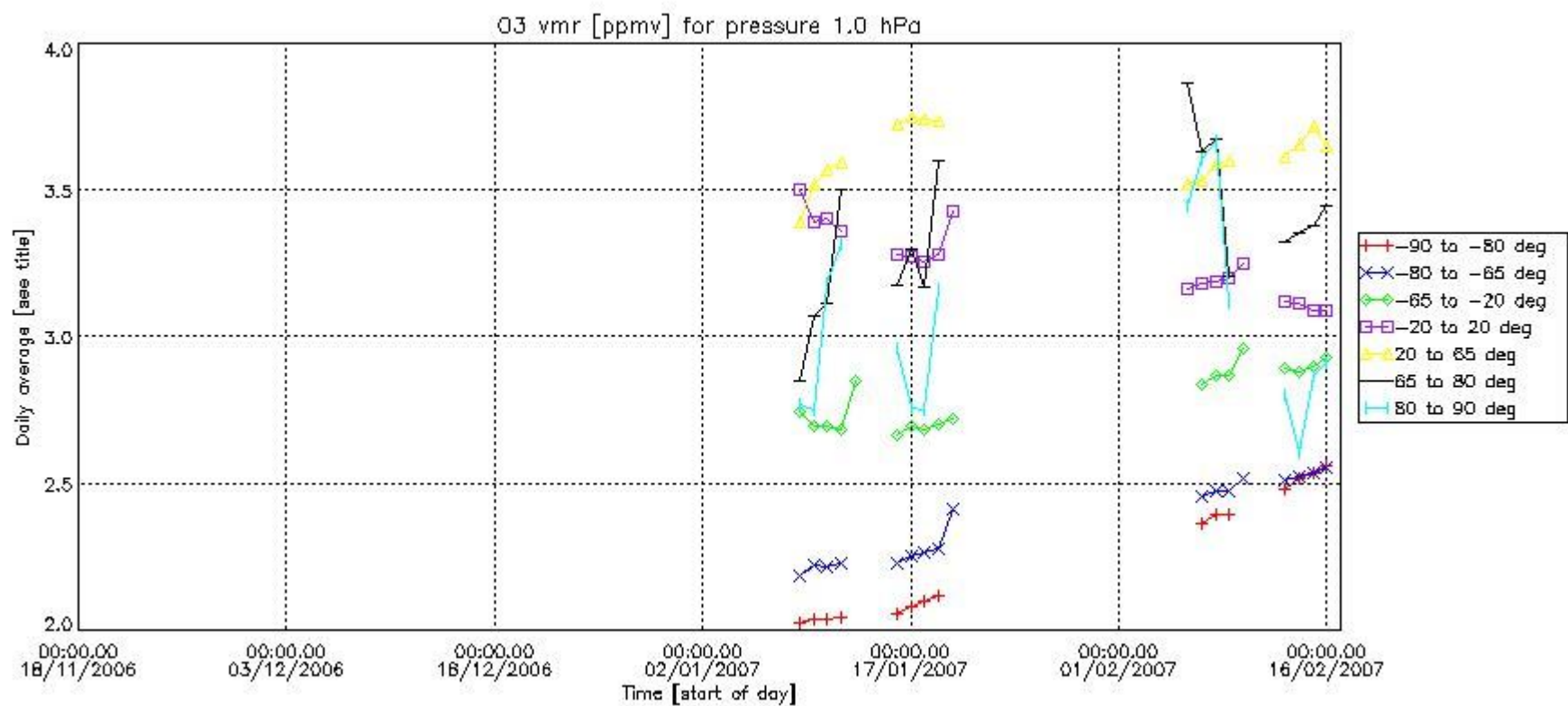


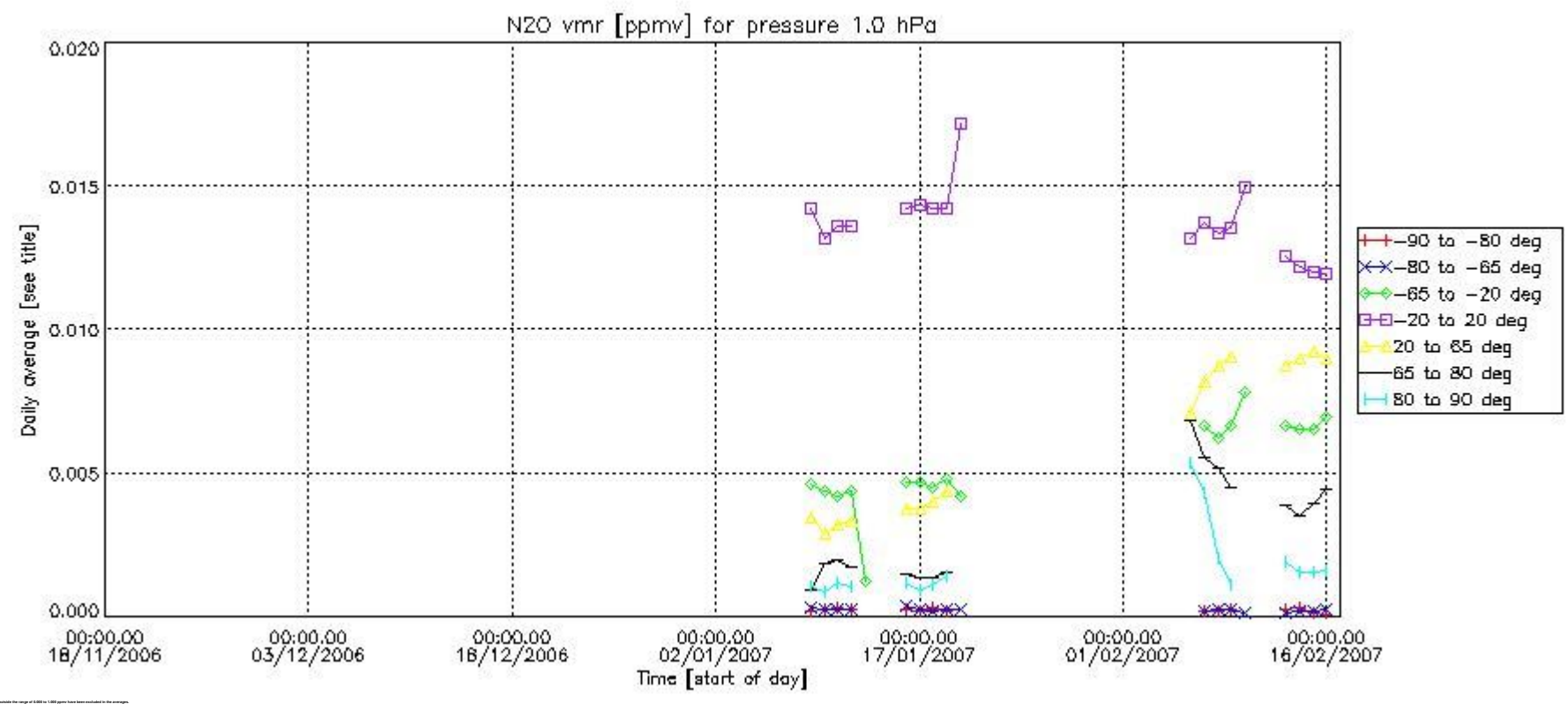
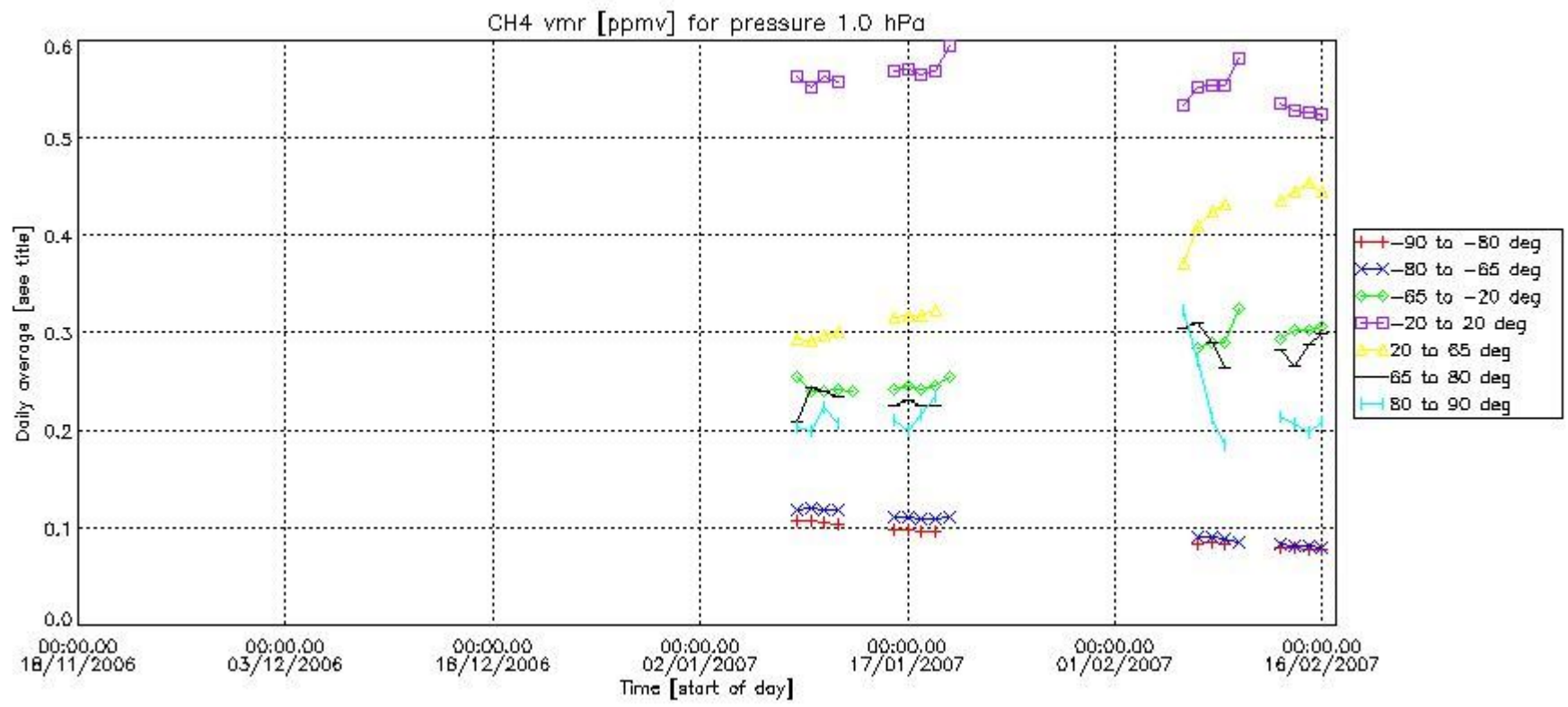


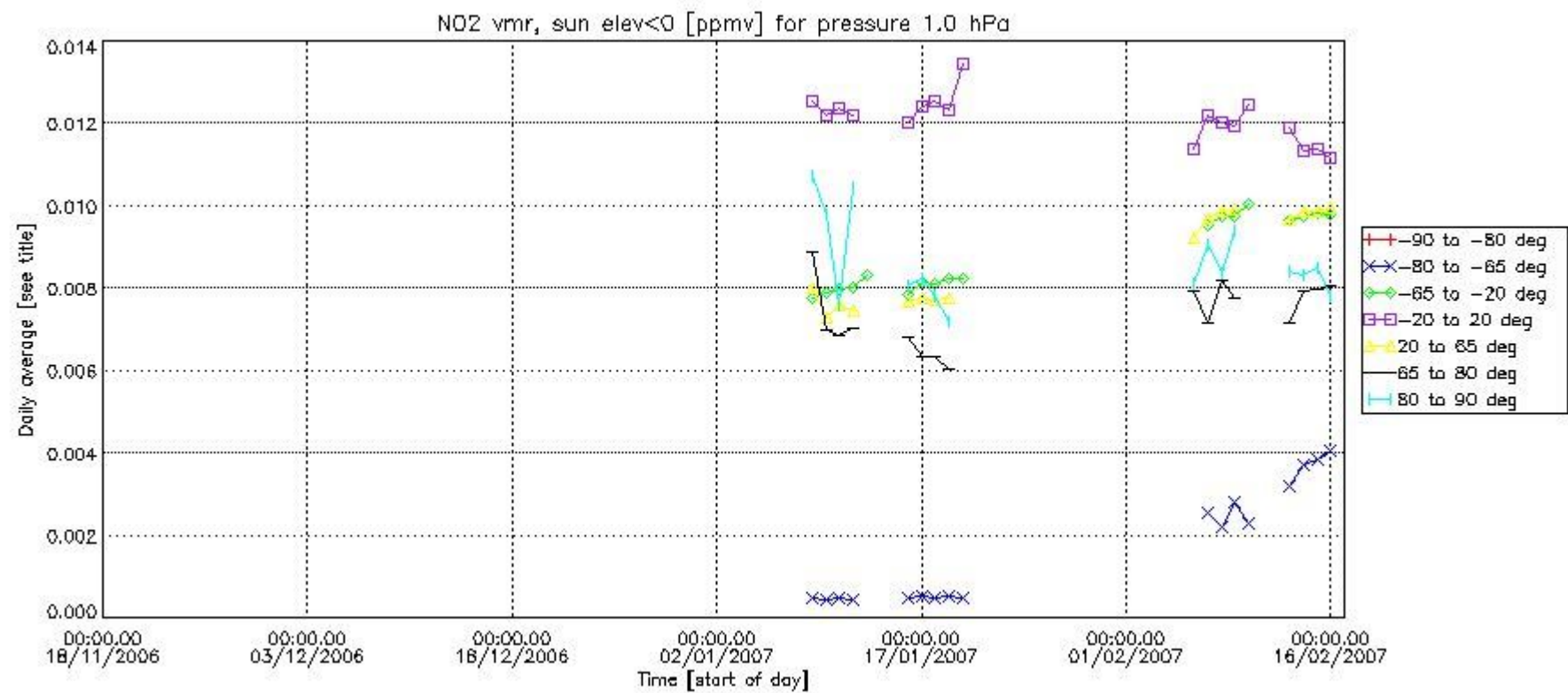
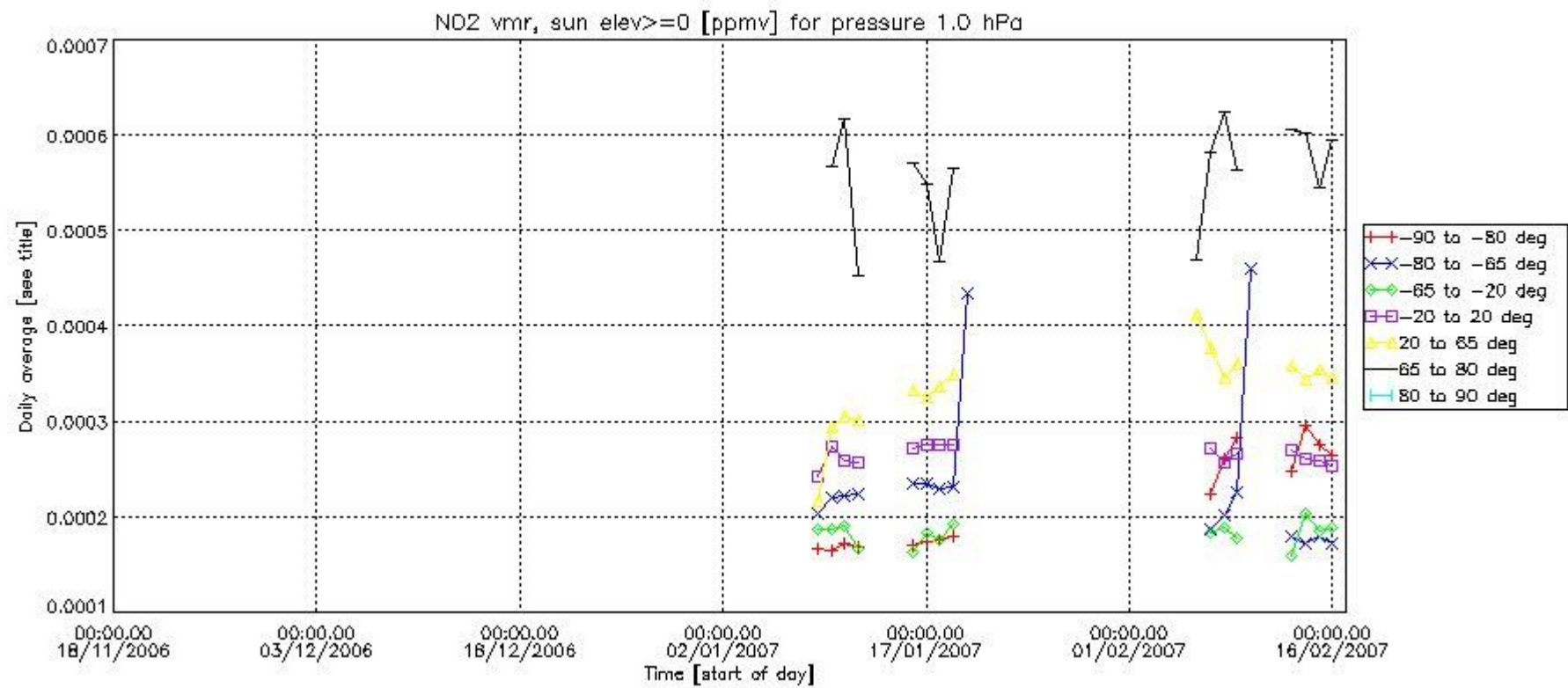




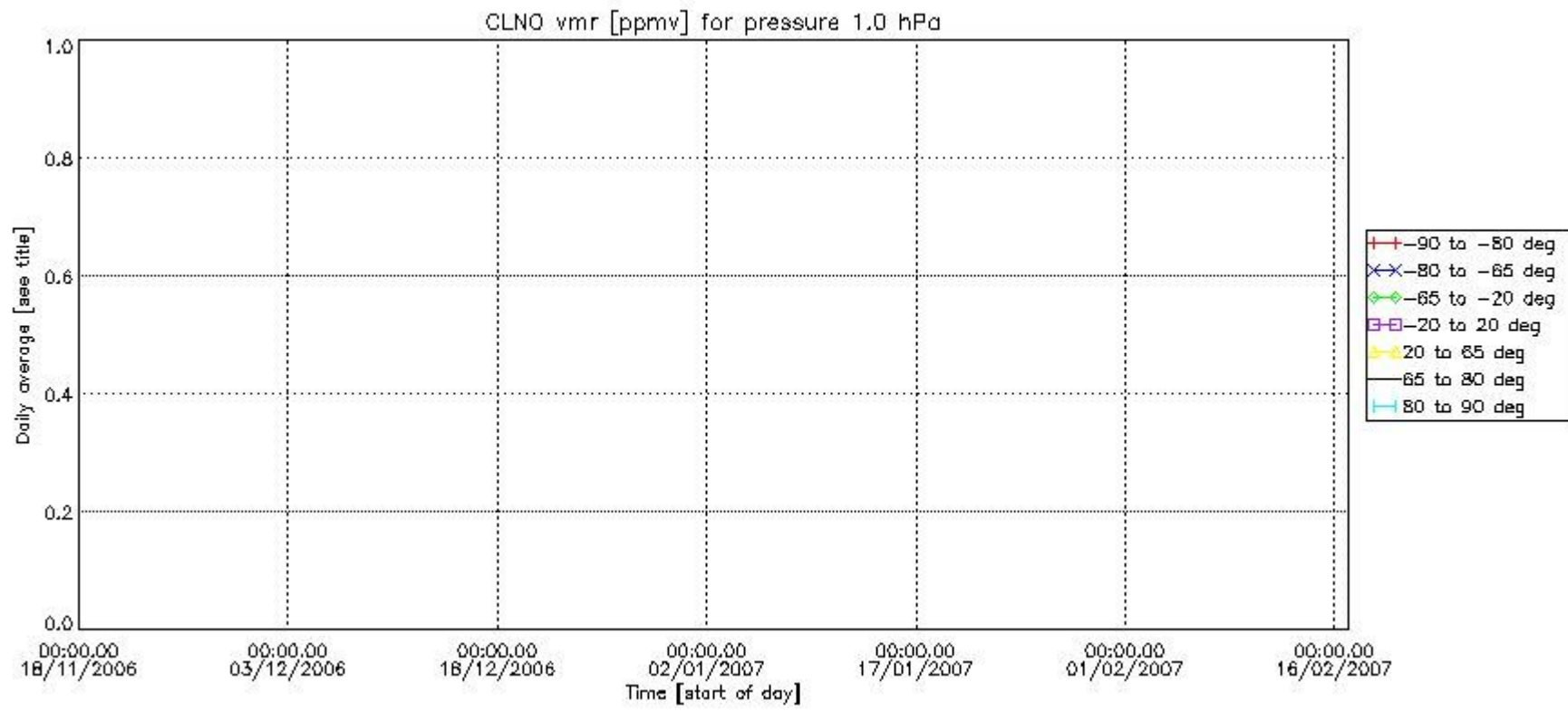
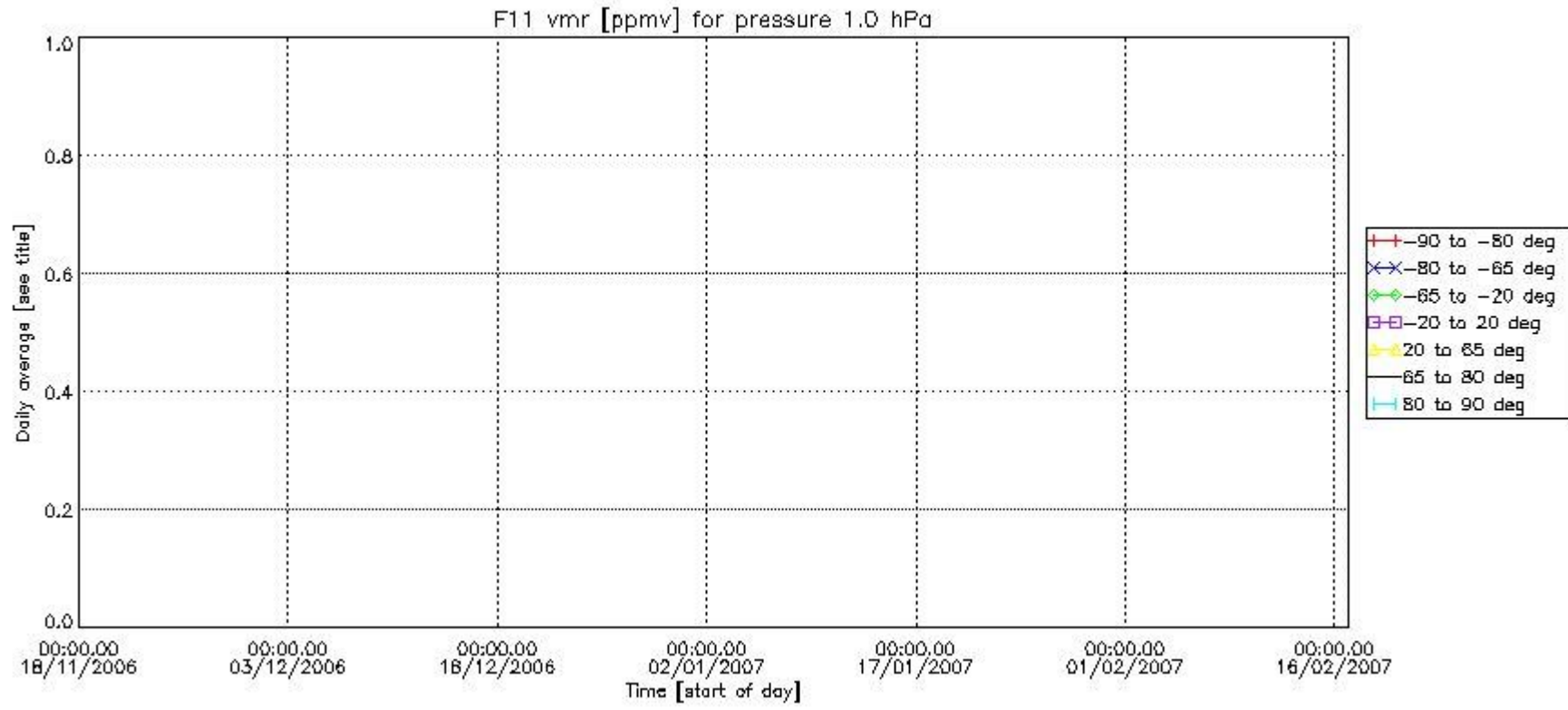


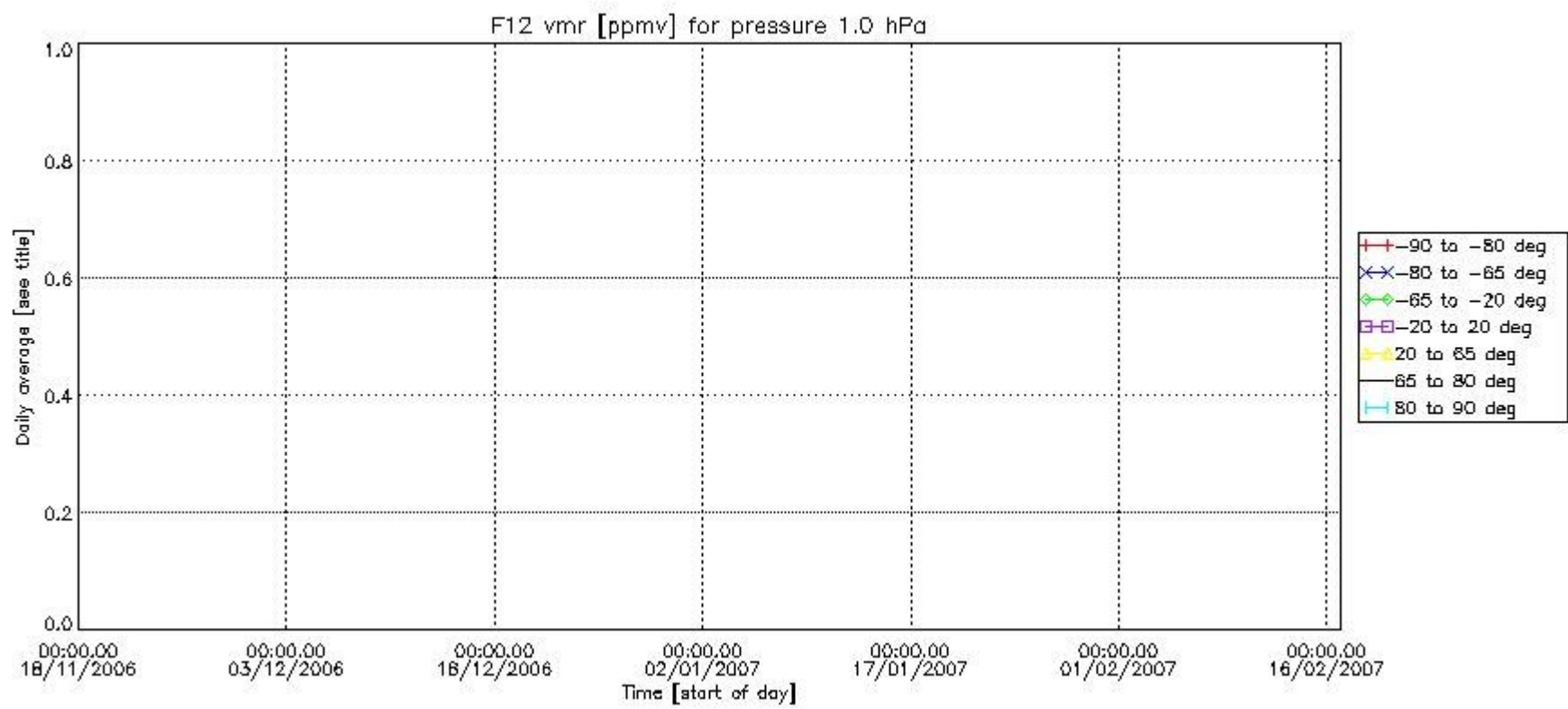
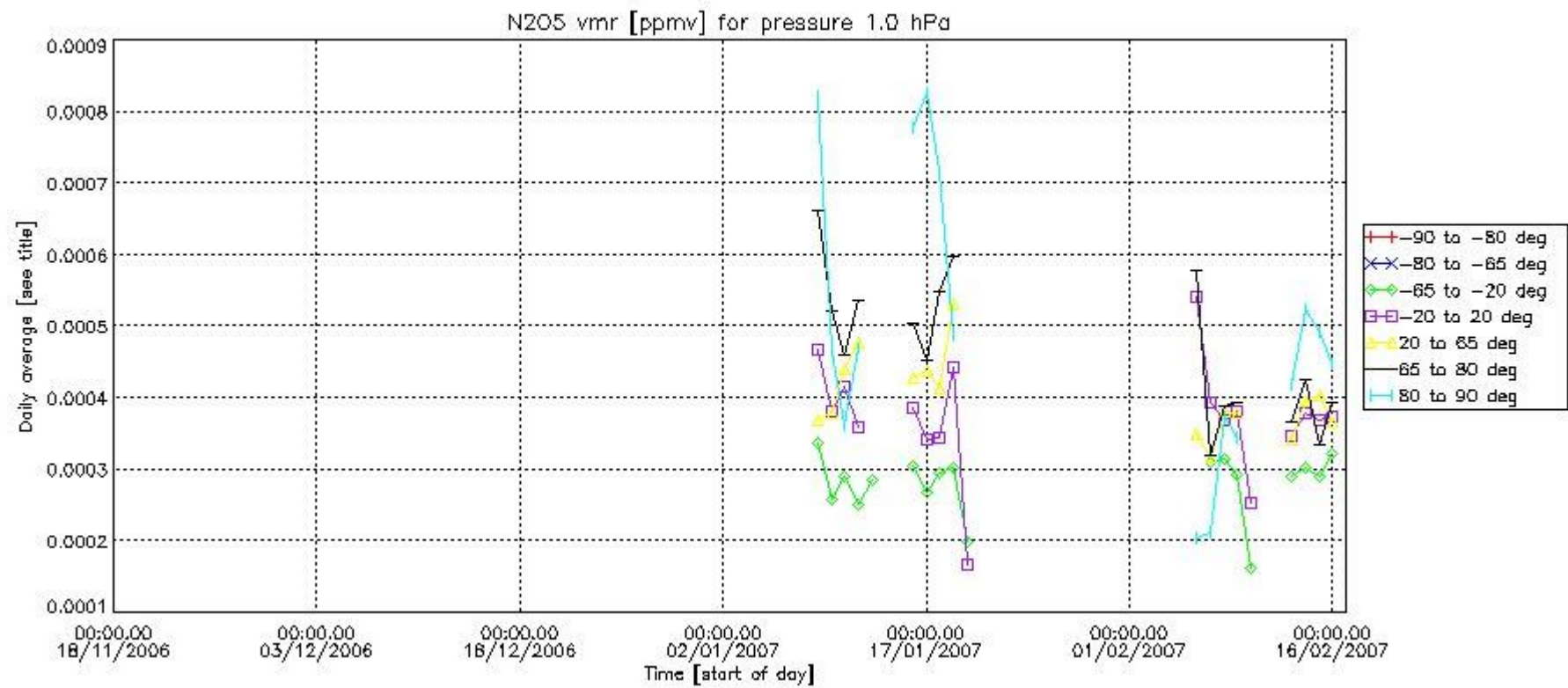


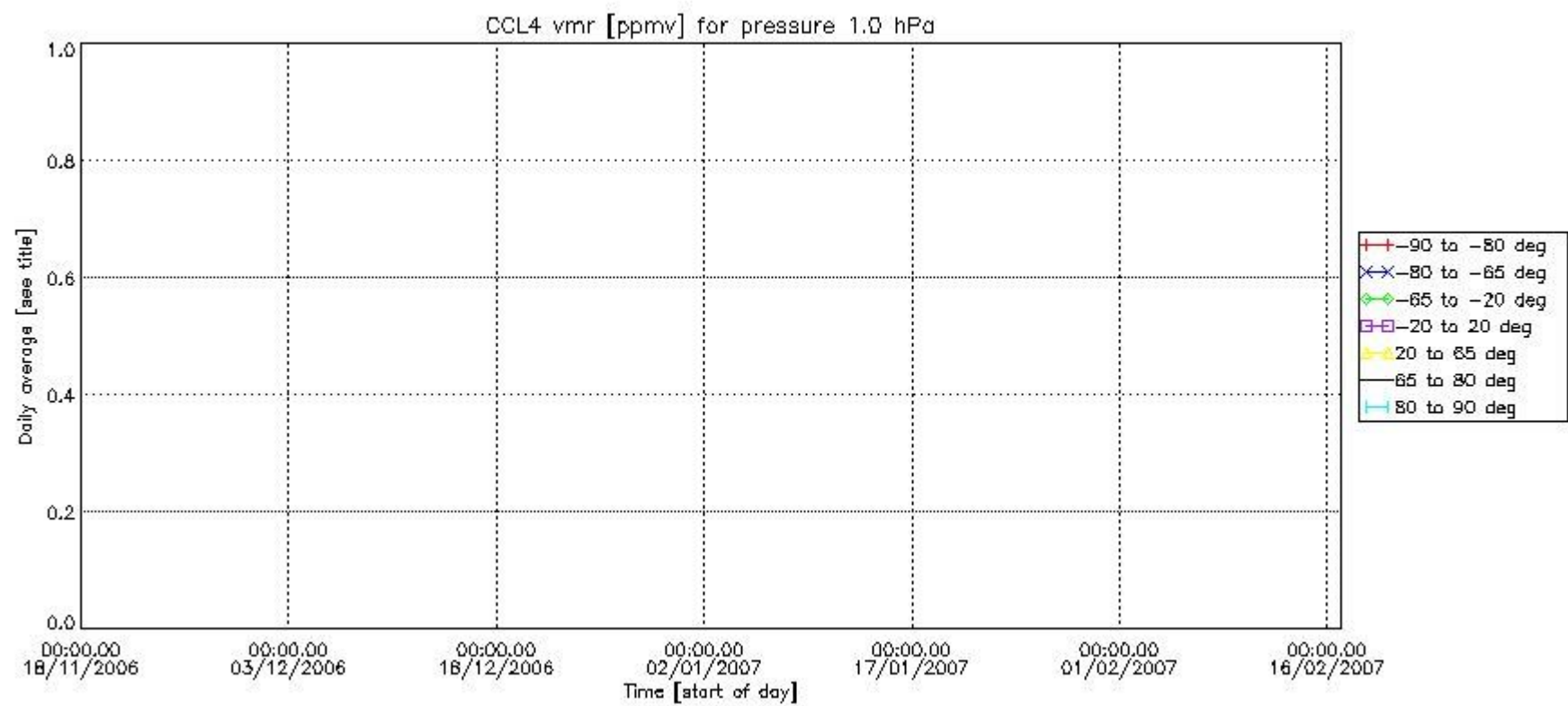
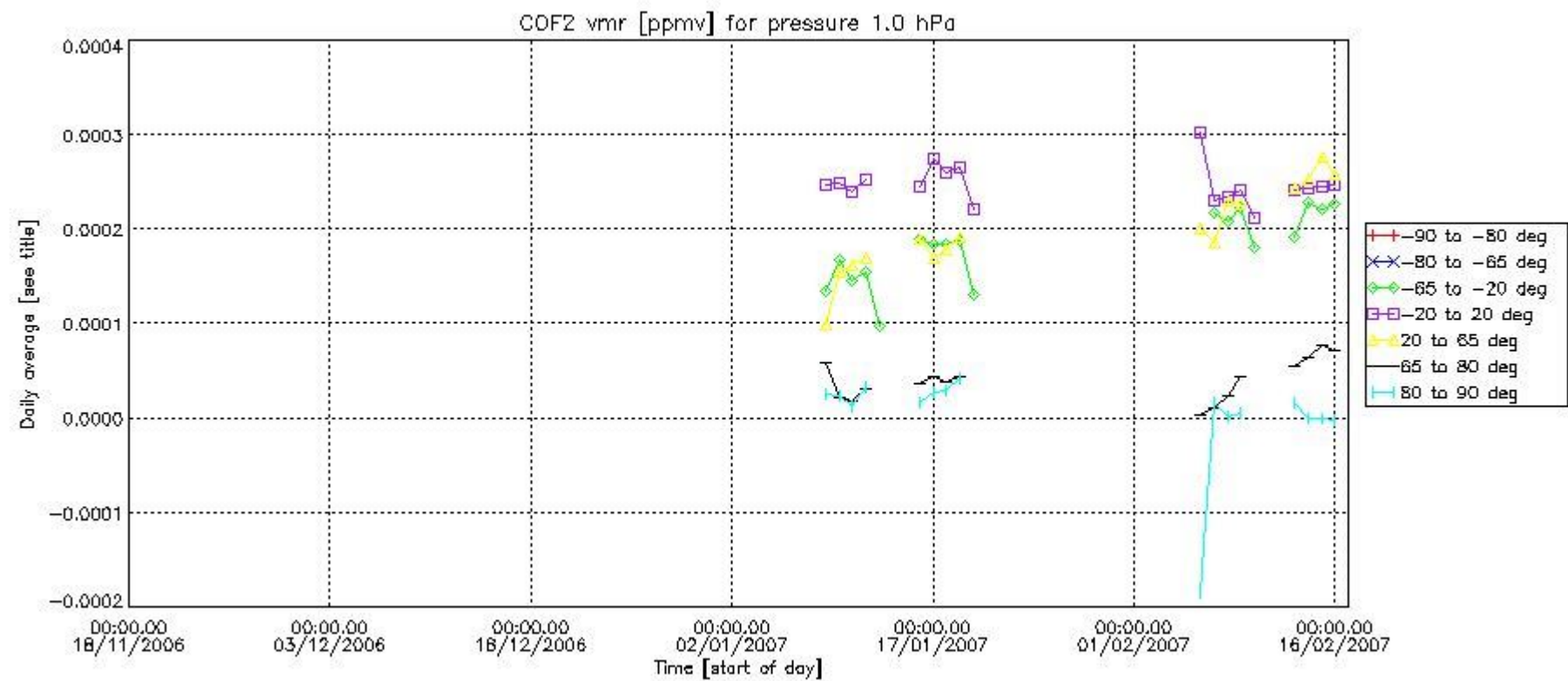


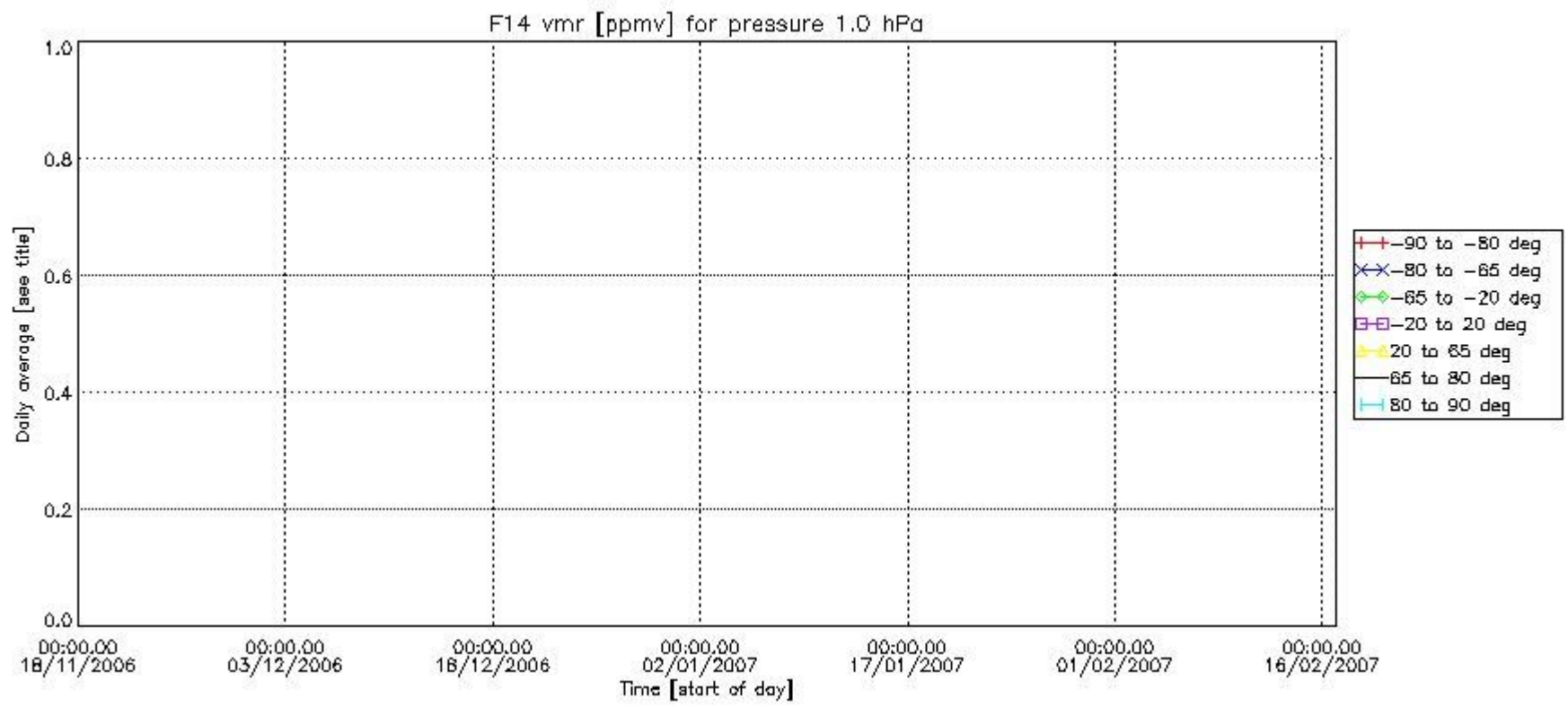
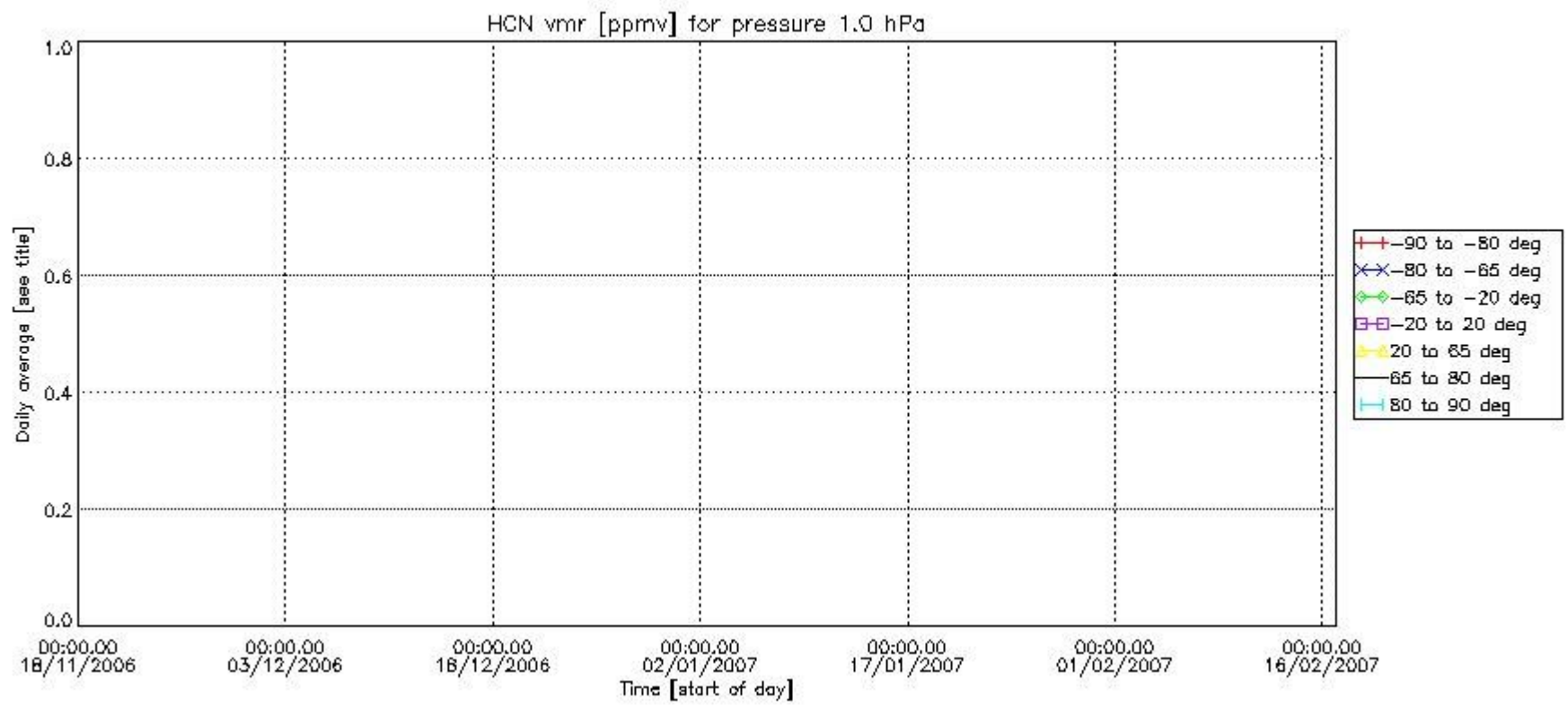


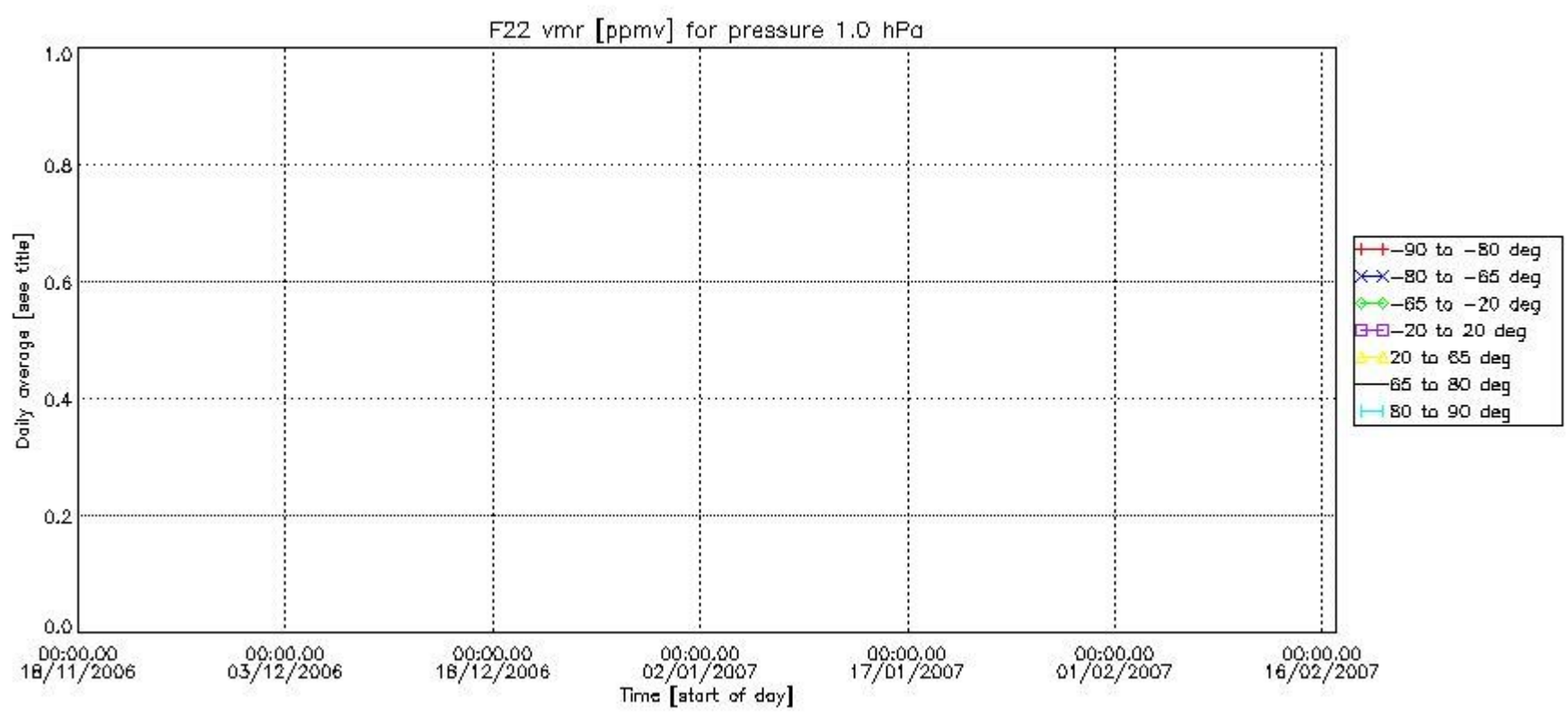












Number of successful retrievals vs. geolocation (\*=day side , triangle=night side).

