

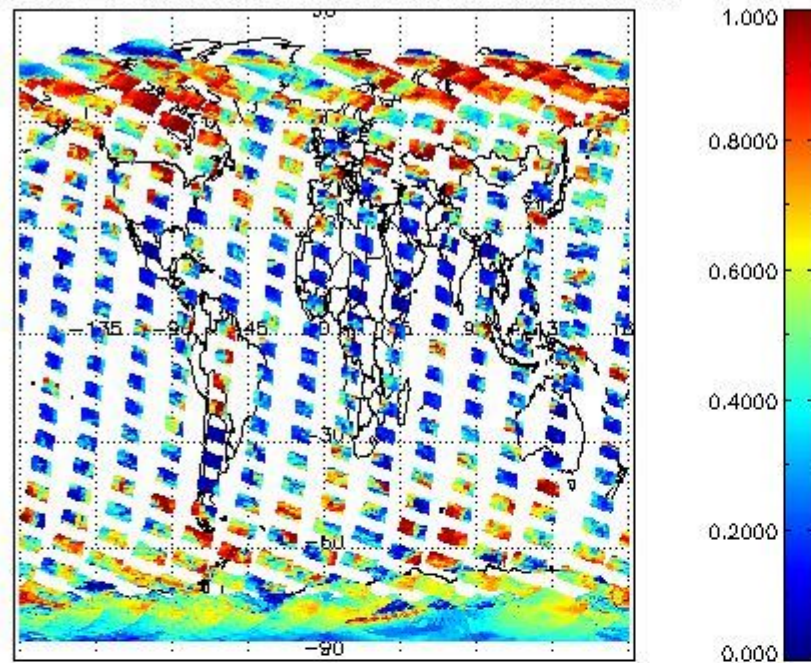
| | | | | | | | |
|-------------------|--------|----------|----------|----------|----------|--------|---|
| PMD_READ | 117656 | 7.0100 | 8.0000 | 4.0000 | 32.000 | 3.1045 | |
| PMD_READ_CL[0] | 117656 | 0.32115 | 0.0000 | 0.0000 | 17.000 | 1.2810 | - |
| PMD_READ_CL[1] | 117656 | 0.25018 | 0.0000 | 0.0000 | 32.000 | 1.3100 | - |
| CL_TOP_HEIGHT | 106702 | 3.9362 | 2.3305 | 0.0000 | 17.000 | 3.8028 | km |
| CL_TOP_HEIGHT_ERR | 0 | --- | --- | --- | --- | --- | --- |
| CL_OPT_DEPTH | 106702 | 46.825 | 31.664 | 0.0000 | 101.00 | 37.979 | km |
| CL_OPT_DEPTH_ERR | 0 | --- | --- | --- | --- | --- | --- |
| CL_TYPE_FLAGS | 117656 | 11100000 | 11100000 | 11100000 | 11100000 | 0.0000 | flags. Bit definition = 0: low or high cloud; 1: ice or water cloud; 2: thick or thin cloud; 3-15: not used |
| CLOUD_FLAGS | 117656 | 11000110 | 11000010 | 11000000 | 11100000 | 2363.9 | flags |
| AERO_ABSO_IND | 117656 | 0.76304 | 0.51329 | -4.1798 | 10.985 | 1.1959 | |
| AERO_IND_DIAG | 117656 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | |
| AERO_FLAGS | 117656 | 01101000 | 11000000 | 00000000 | 11000000 | 24470. | flags |

Time and geolocation plots:

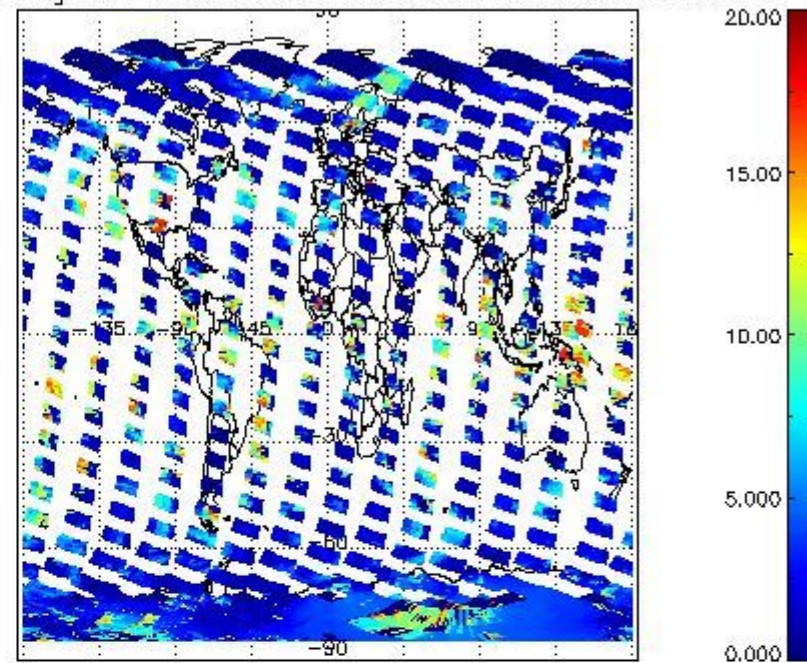
Plots are available for the following parameters:

| Number | Data item ID |
|--------|---------------|
| 0 | cl_frac |
| 1 | cl_top_height |
| 2 | cl_opt_depth |
| 3 | cloud_flags |

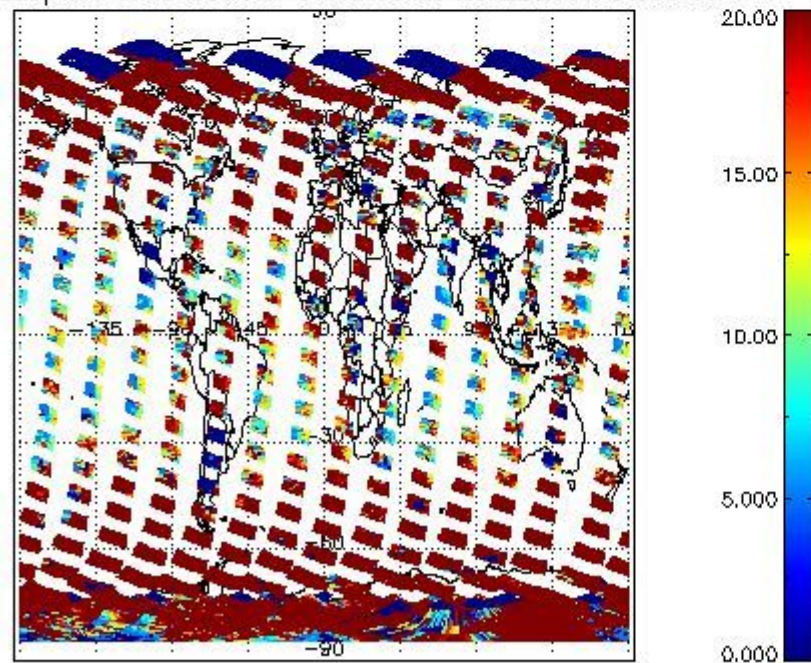
cLfrac for 19FEB2004 00:00:00 to 20FEB2004 00:00:00



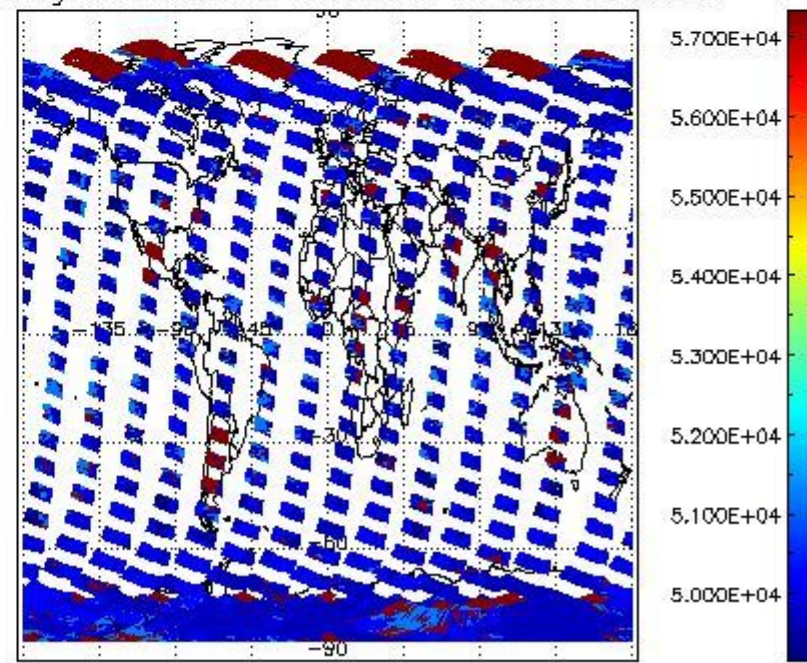
cL_top_height for 19FEB2004 00:00:00 to 20FEB2004 00:00:00



cLopt_depth for 19FEB2004 00:00:00 to 20FEB2004 00:00:00



cloud_flags for 19FEB2004 00:00:00 to 20FEB2004 00:00:00



2.2.2 Nadir

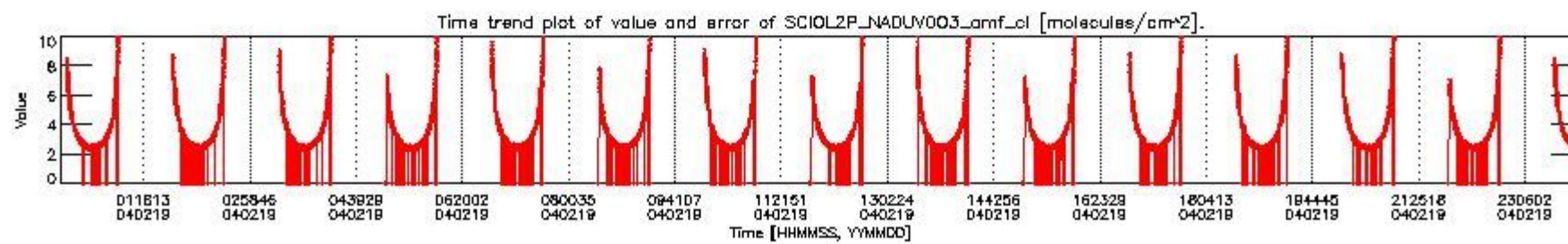
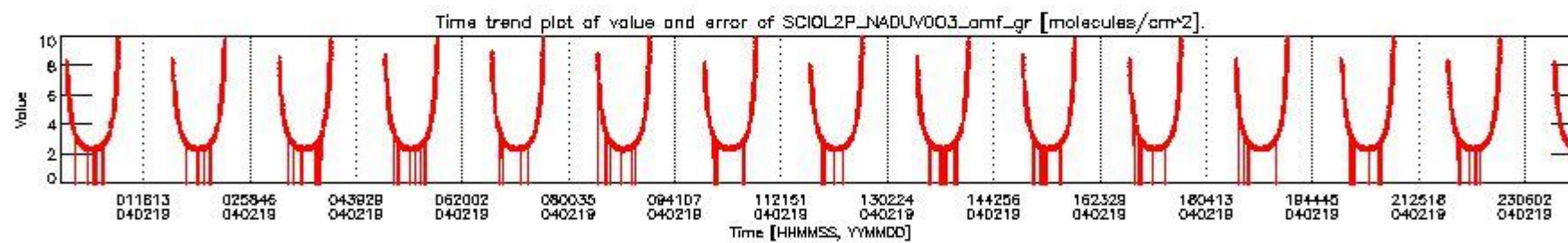
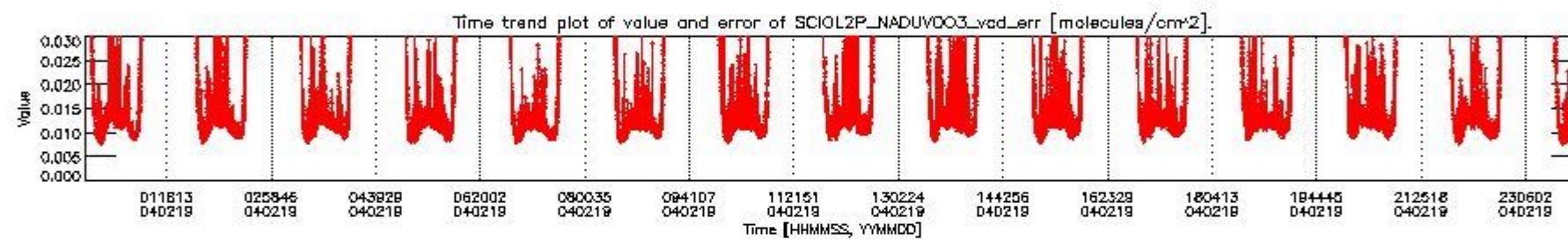
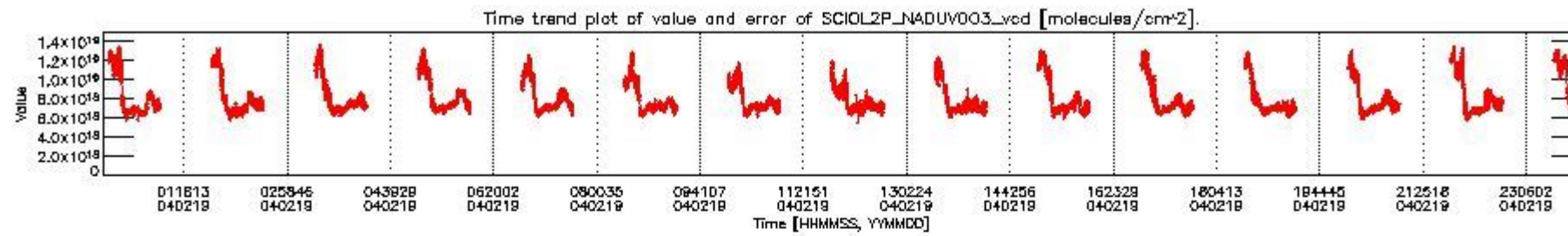
This section shows information about product quality of nadir measurements, in particular the quality of retrieved species.

The following data items are currently included into this section:

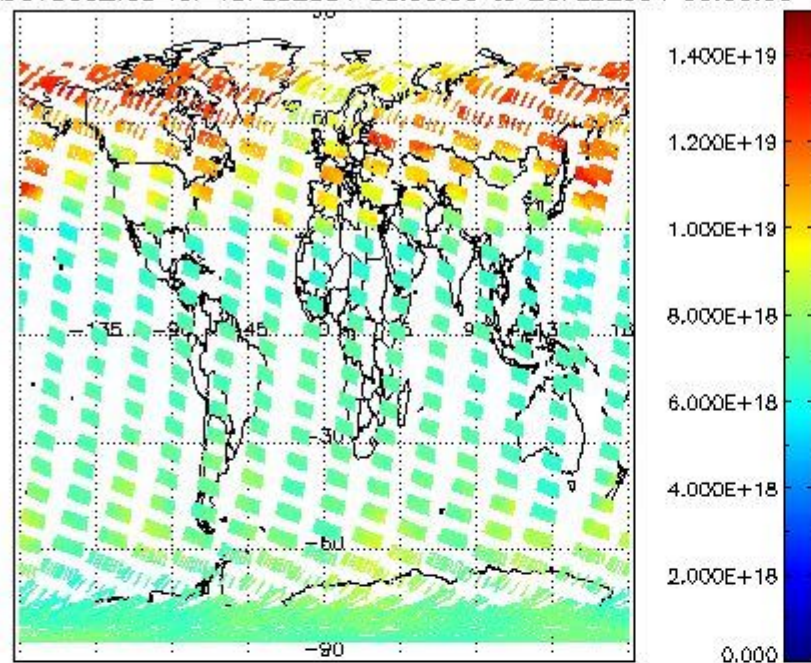
| Number | Data item ID |
|--------|--------------------------|
| 0 | SCIOL2P_NADUV003_vcd |
| 1 | SCIOL2P_NADUV003_vcd_err |
| 2 | SCIOL2P_NADUV003_amf_gr |
| 3 | SCIOL2P_NADUV003_amf_cl |

| | |
|---|---------------------------|
| 4 | SCIOL2P_NADUV1NO2_vcd |
| 5 | SCIOL2P_NADUV1NO2_vcd_err |
| 6 | SCIOL2P_NADUV1NO2_amf_gr |
| 7 | SCIOL2P_NADUV1NO2_amf_cl |

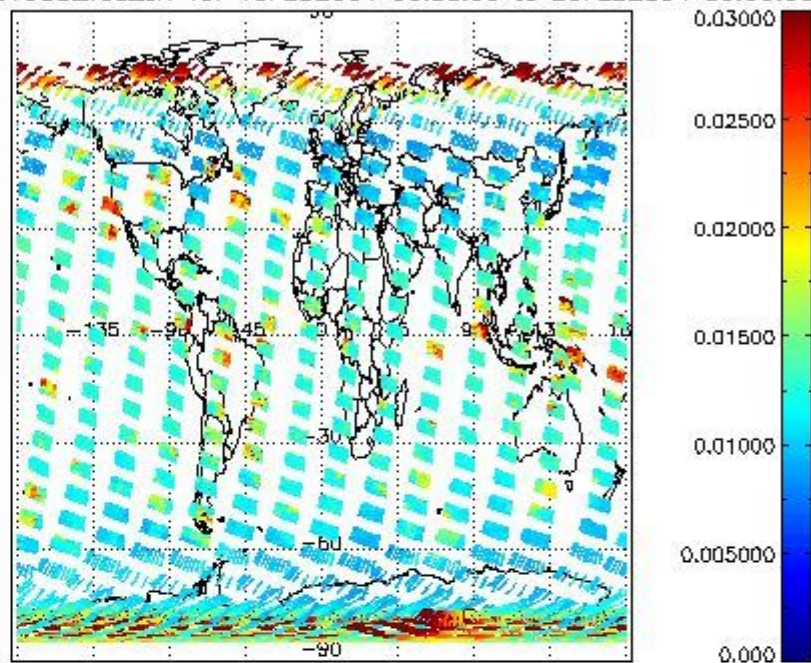
Data is presented both in time trend plots and world map plots, in order to show variations with time and geolocation. The vertical dotted lines in the time trend plots indicate orbits. The orbit times on the X-axis are estimated sensing_start time as suggested by the product sensing_start time in the MPH.



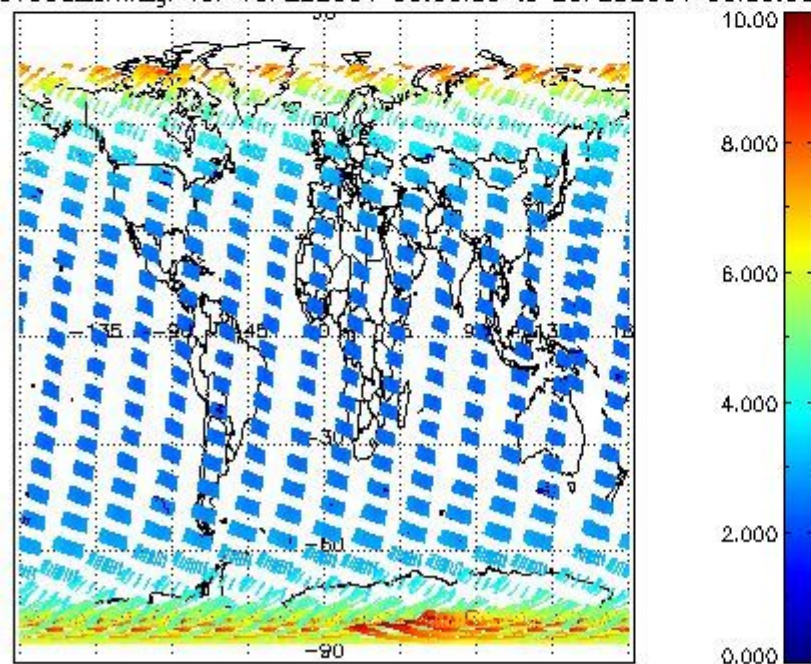
SCIOL2P_NADUV003_vcd for 19FEB2004 00:00:00 to 20FEB2004 00:00:00



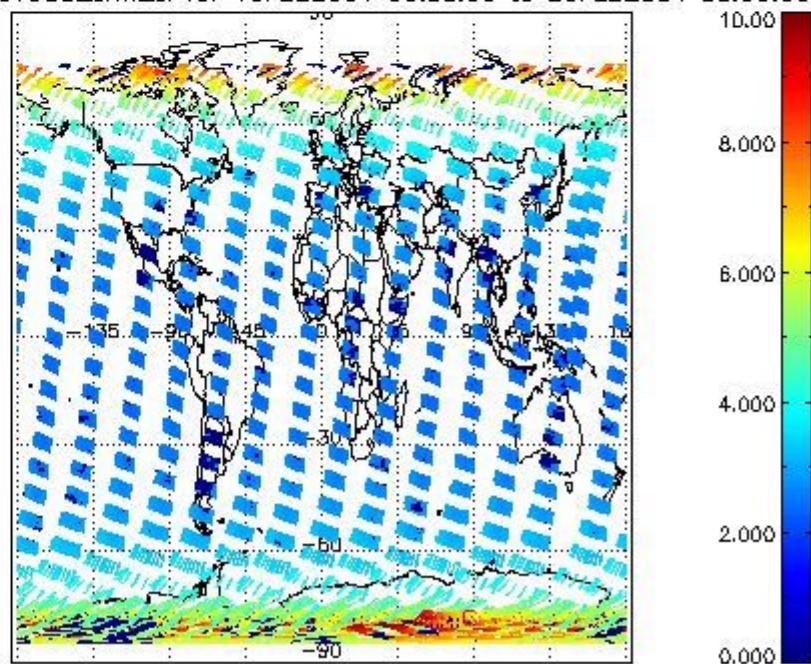
SCIOL2P_NADUV003_vcd_err for 19FEB2004 00:00:00 to 20FEB2004 00:00:00

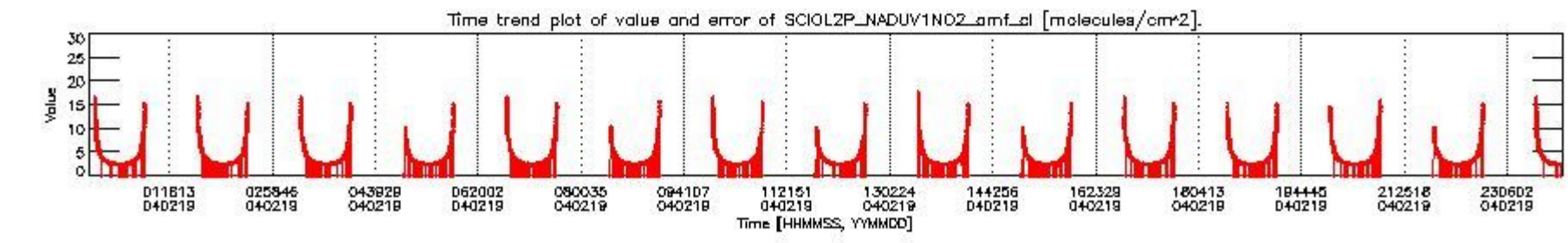
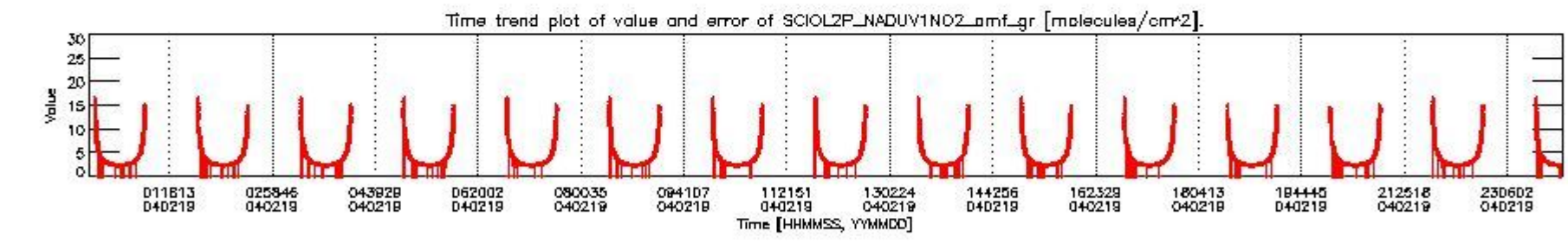
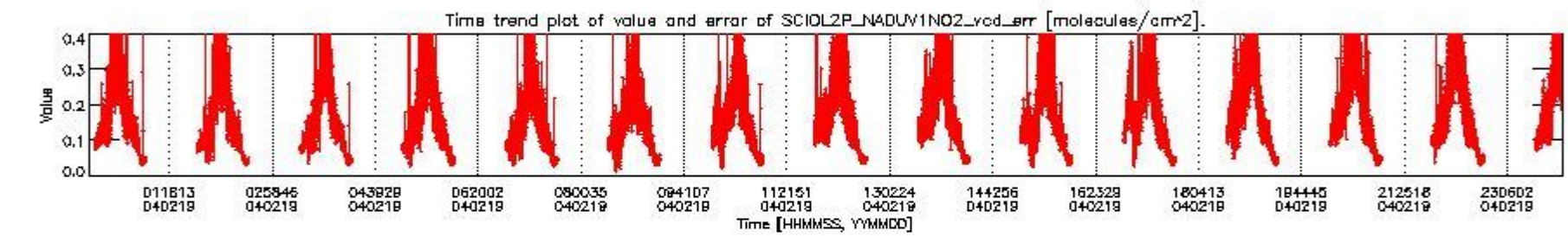
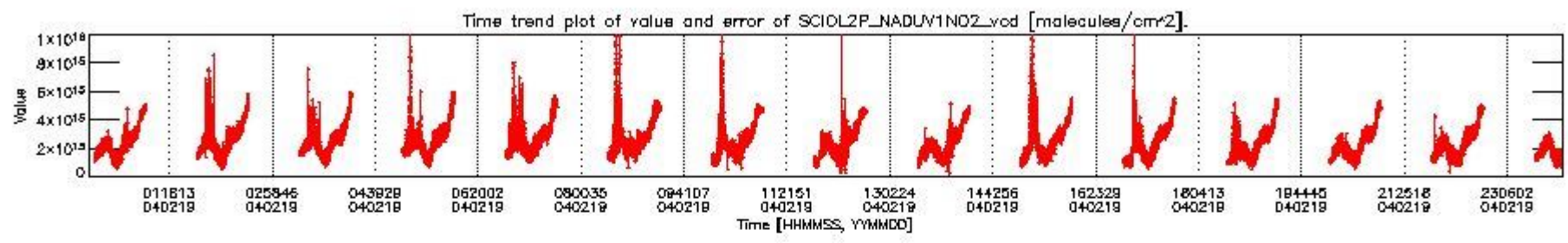


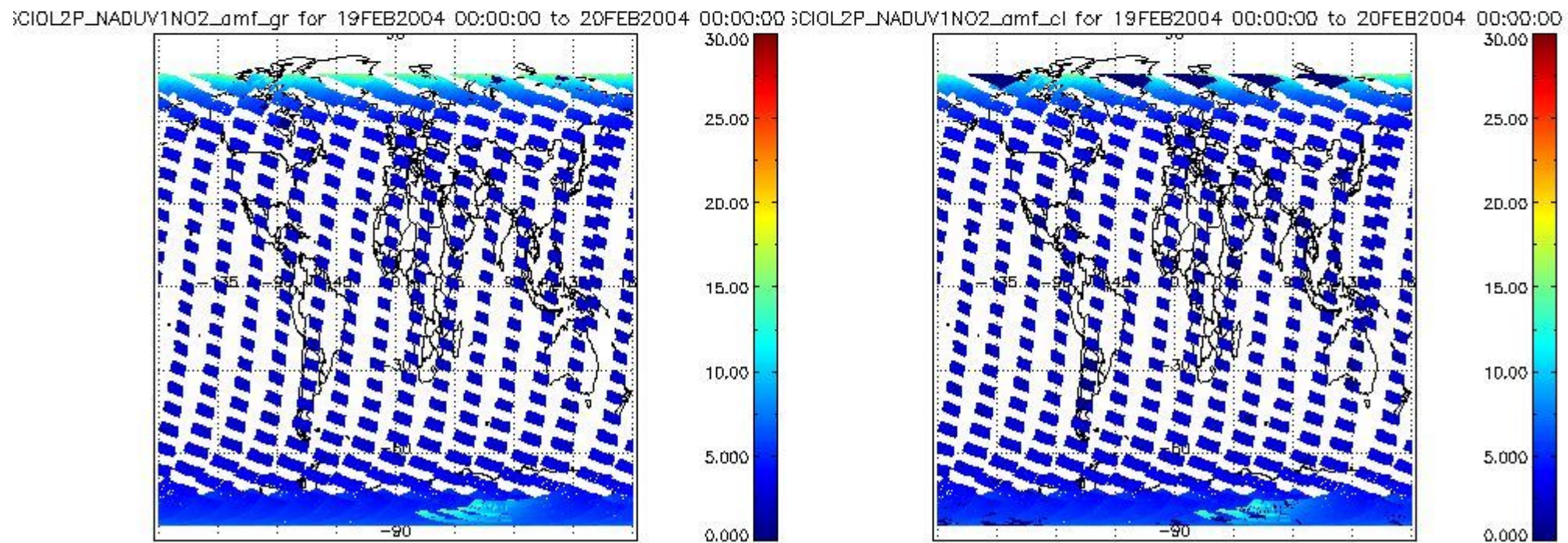
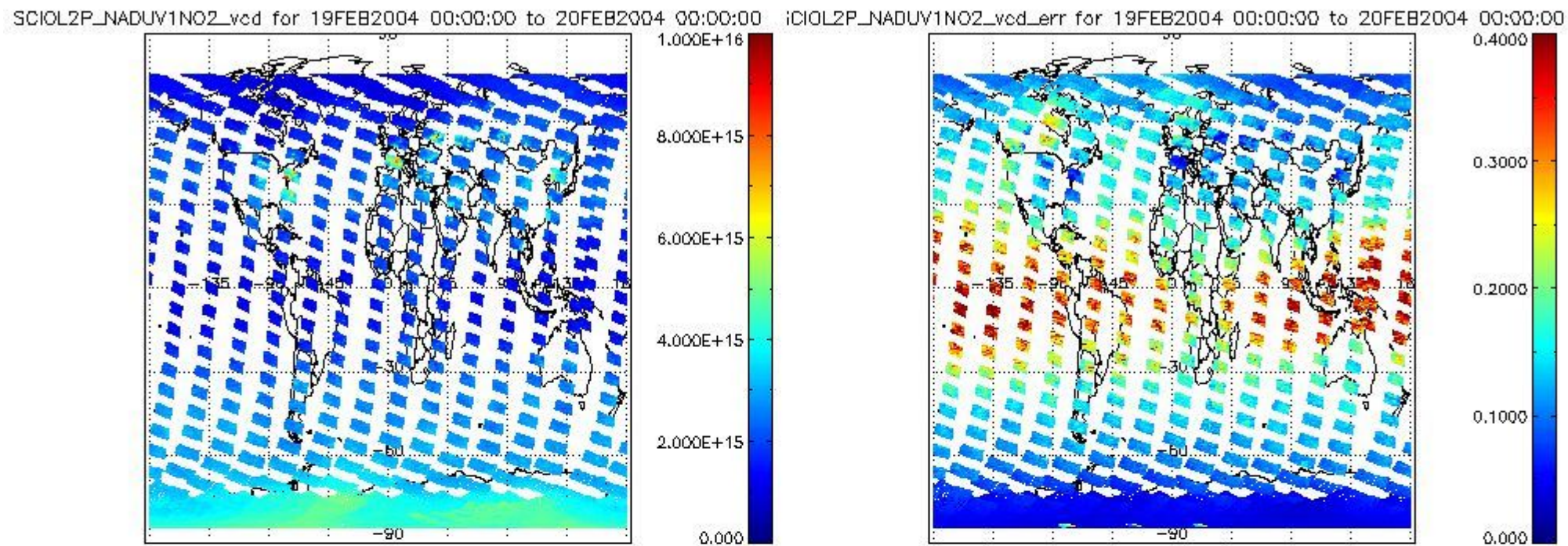
SCIOL2P_NADUV003_amf_gr for 19FEB2004 00:00:00 to 20FEB2004 00:00:00



SCIOL2P_NADUV003_amf_cl for 19FEB2004 00:00:00 to 20FEB2004 00:00:00







2.2.3 Limb

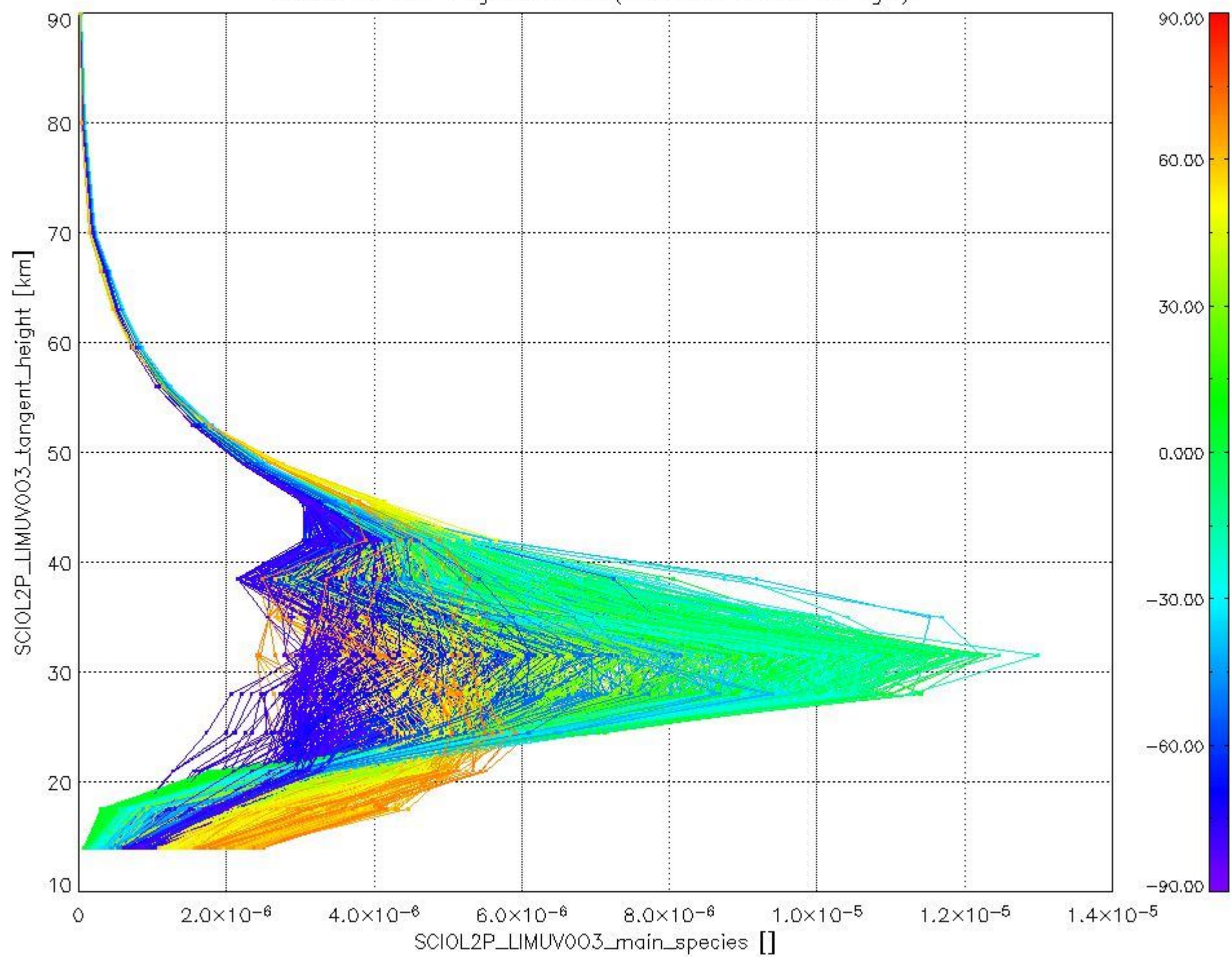
This section shows information about product quality of the limb retrievals, in particular the quality of retrieved species.

The following data items are currently included into this section:

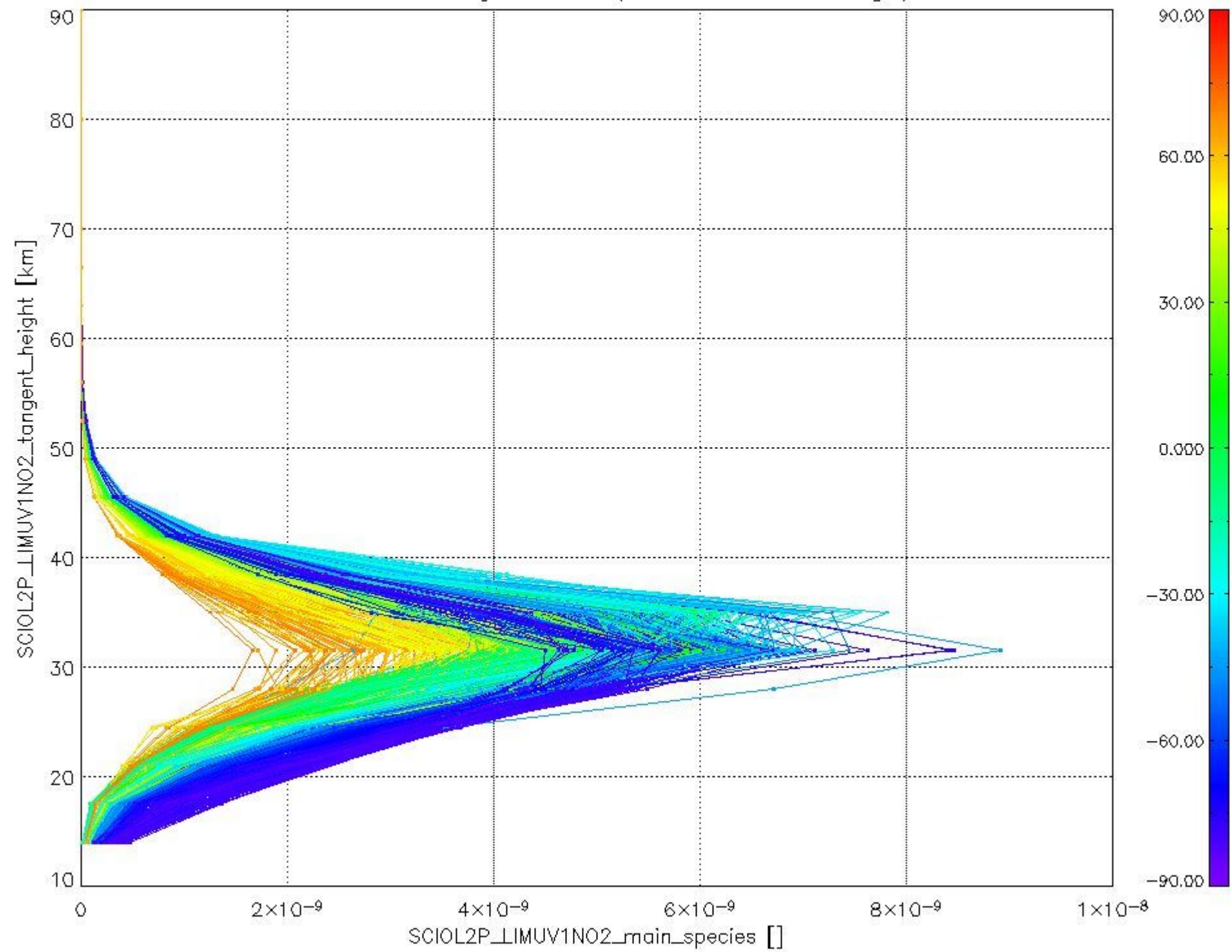
| Number | Data item ID |
|--------|-------------------------------|
| 0 | SCIOL2PLIMUV003_main_species |
| 1 | SCIOL2PLIMUV1NO2_main_species |

The following plots shows for each species the tangent volume mixing ratio vs. tangent height. Colours indicate tangent latitude.

Plot of SCIOL2P_LIMUV003_main_species.tang_vmr vs. tangent height.
 Colours indicate tangent latitude (see colour bar on the right).



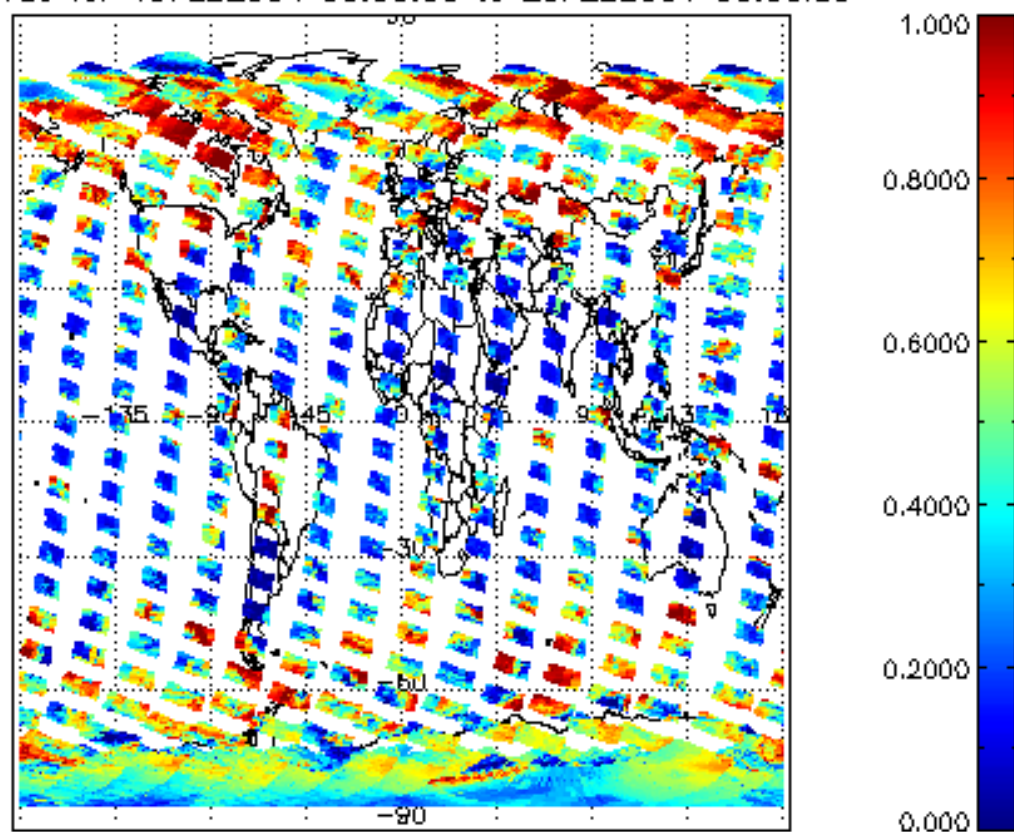
Plot of SCIOL2P_LIMUV1NO2_main_species.tang_vmr vs. tangent height.
Colours indicate tangent latitude (see colour bar on the right).



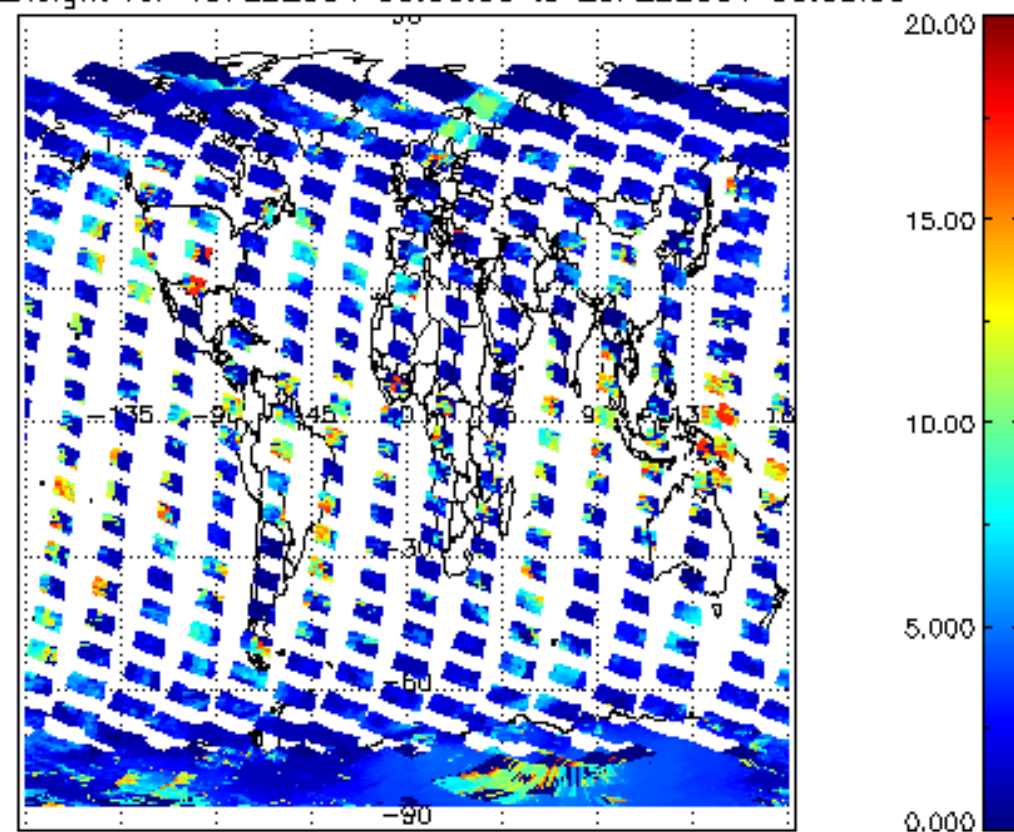
2.3 ADF monitoring

| Number | ADF |
|--------|--|
| | IN_ (INITIALISATION_FILE) |
| 0 | SCI_IN_AXNPDE20070629_092400_20070720_000000_20991231_235959 |
| | ECF (ECMWF_FILE) |
| 1 | NOT USED |

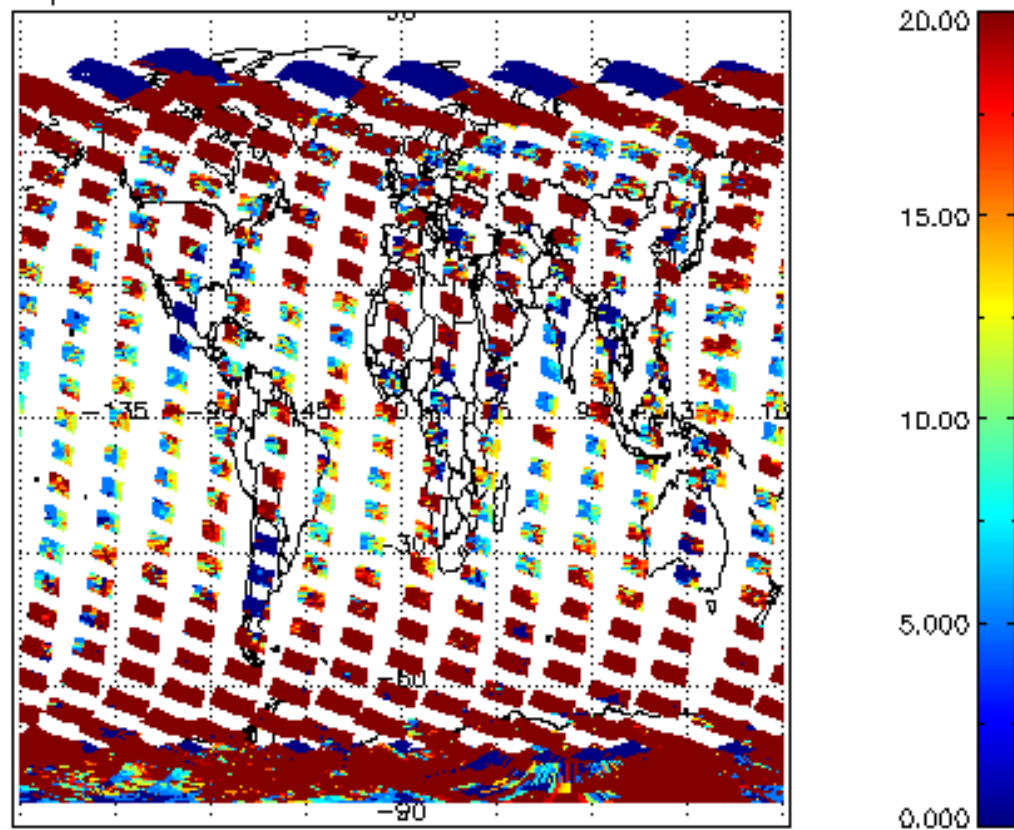
cl_frac for 19FEB2004 00:00:00 to 20FEB2004 00:00:00



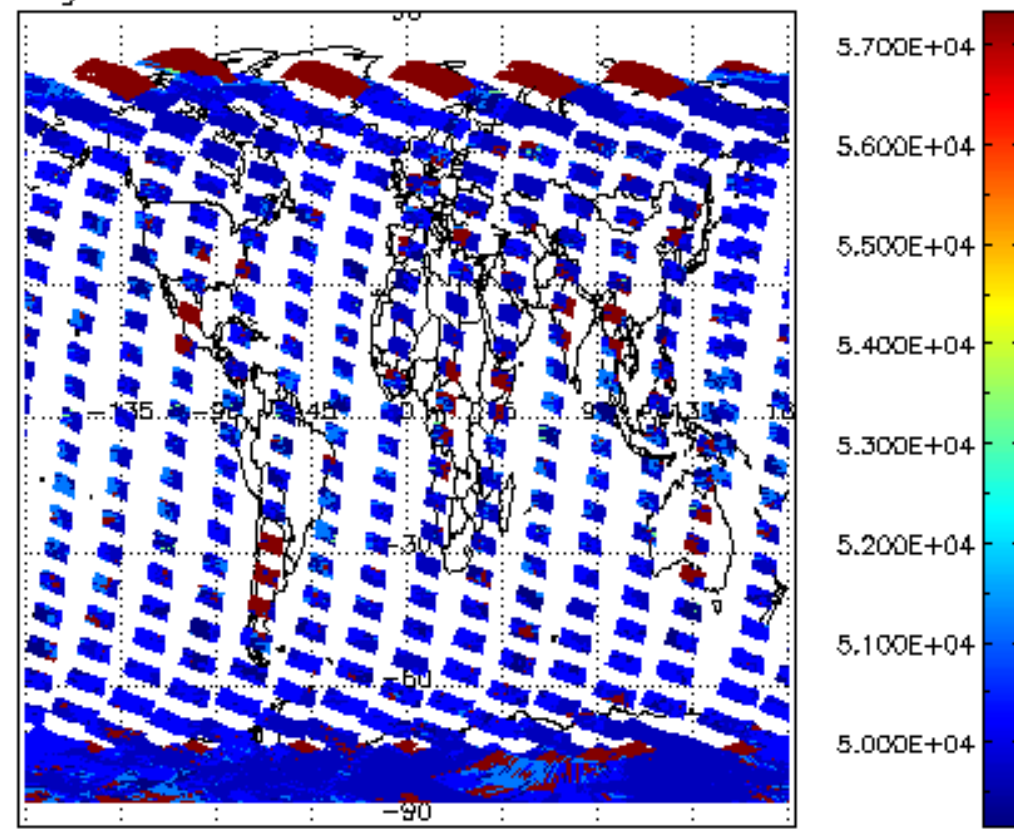
cl_top_height for 19FEB2004 00:00:00 to 20FEB2004 00:00:00

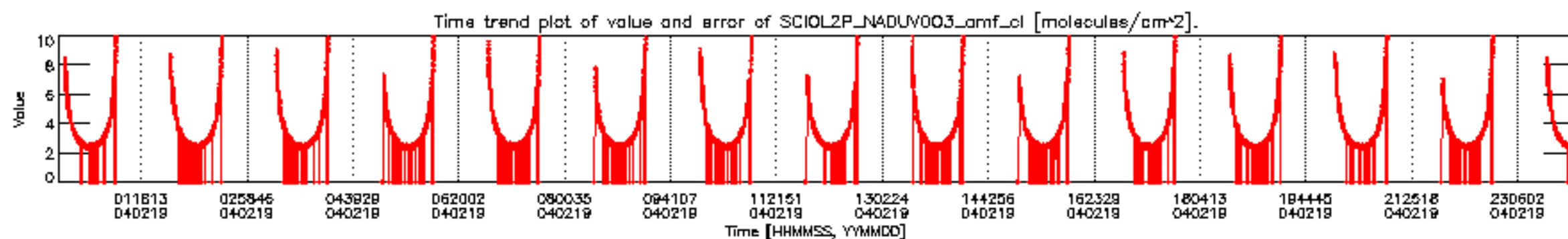
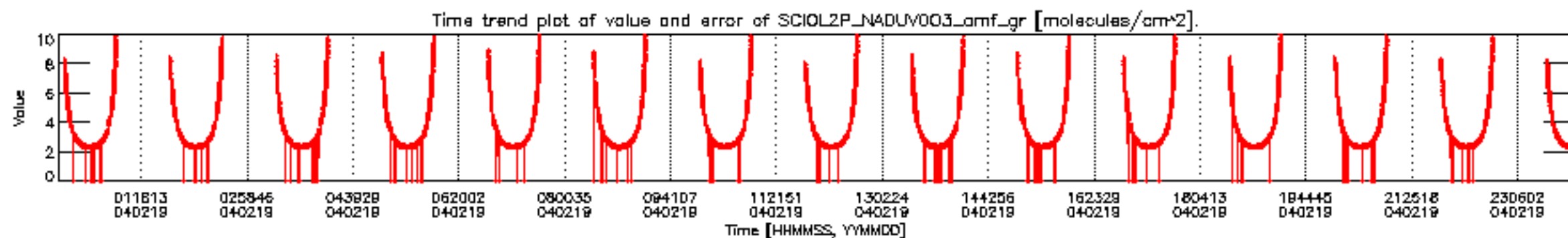
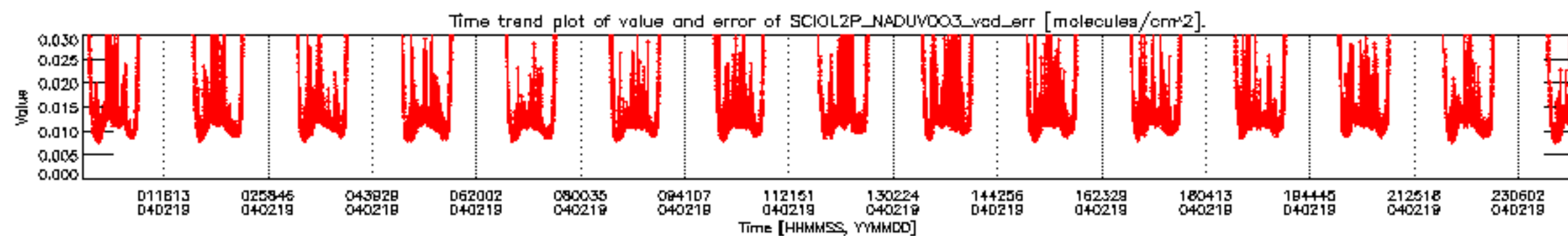
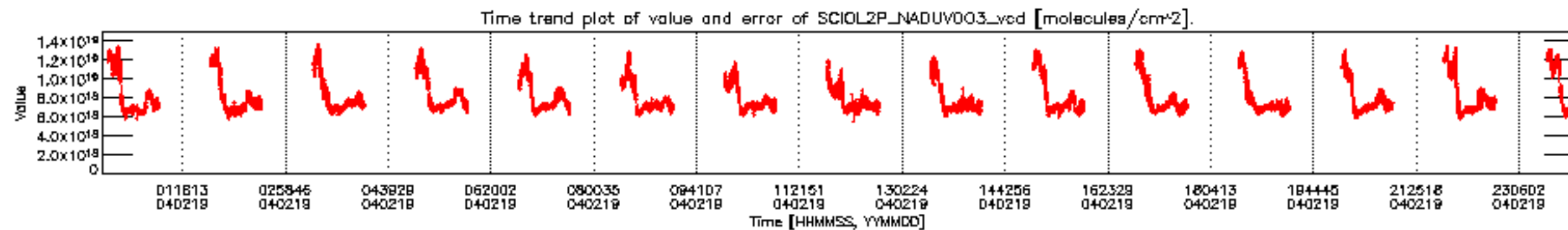


cl_lopt_depth for 19FEB2004 00:00:00 to 20FEB2004 00:00:00

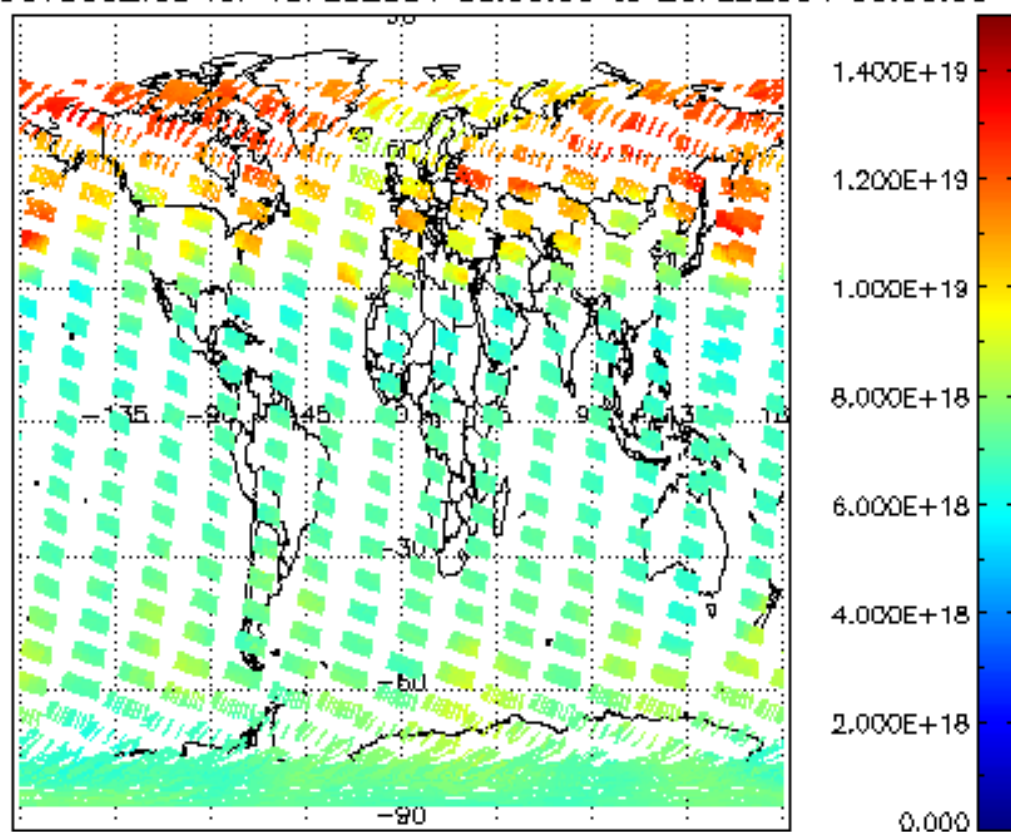


cloud_flags for 19FEB2004 00:00:00 to 20FEB2004 00:00:00

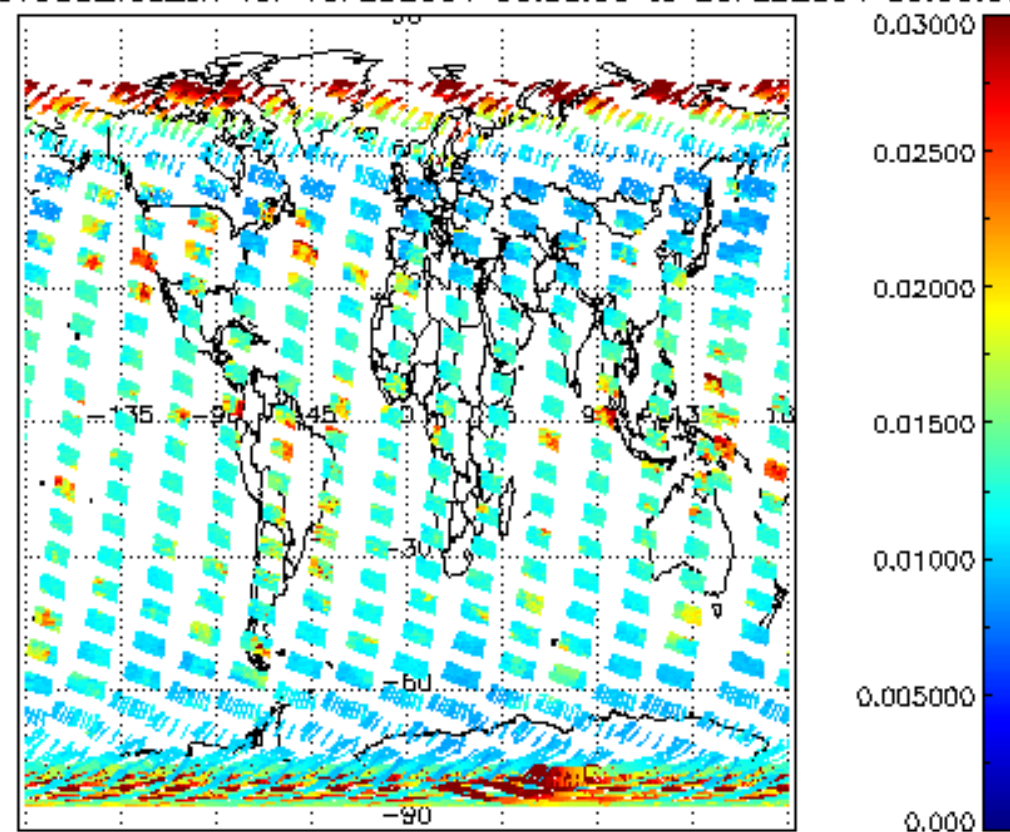




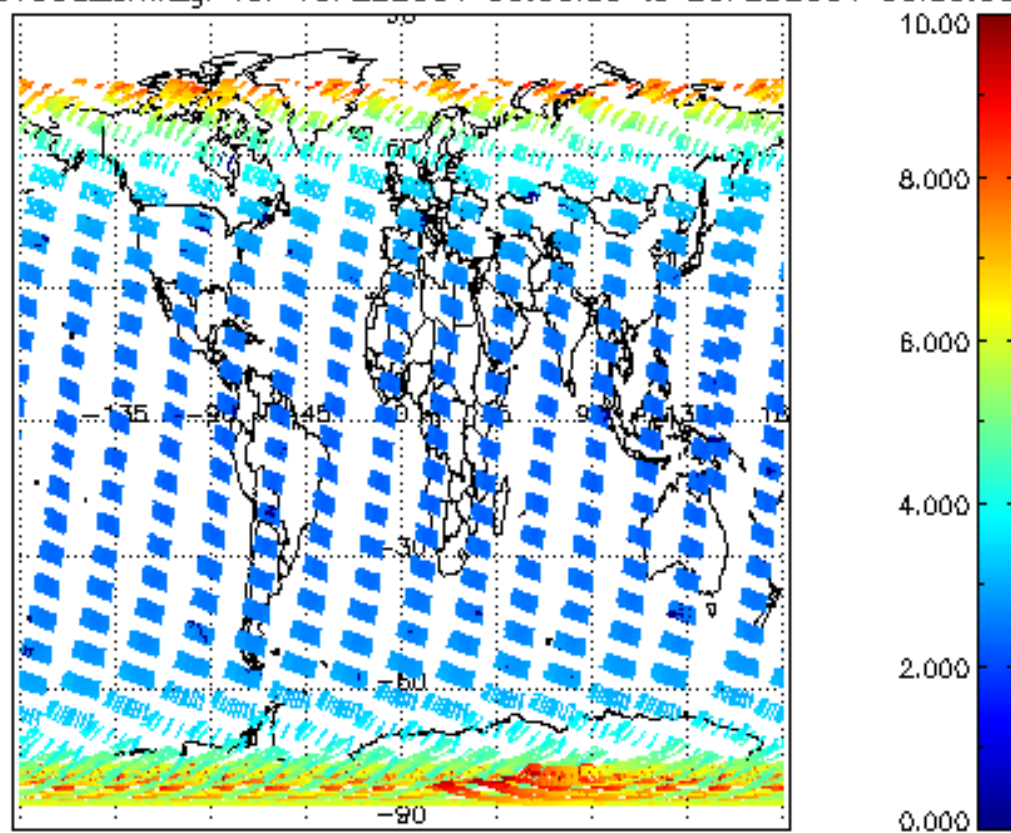
SCIOL2P_NADUV003_vcd for 19FEB2004 00:00:00 to 20FEB2004 00:00:00



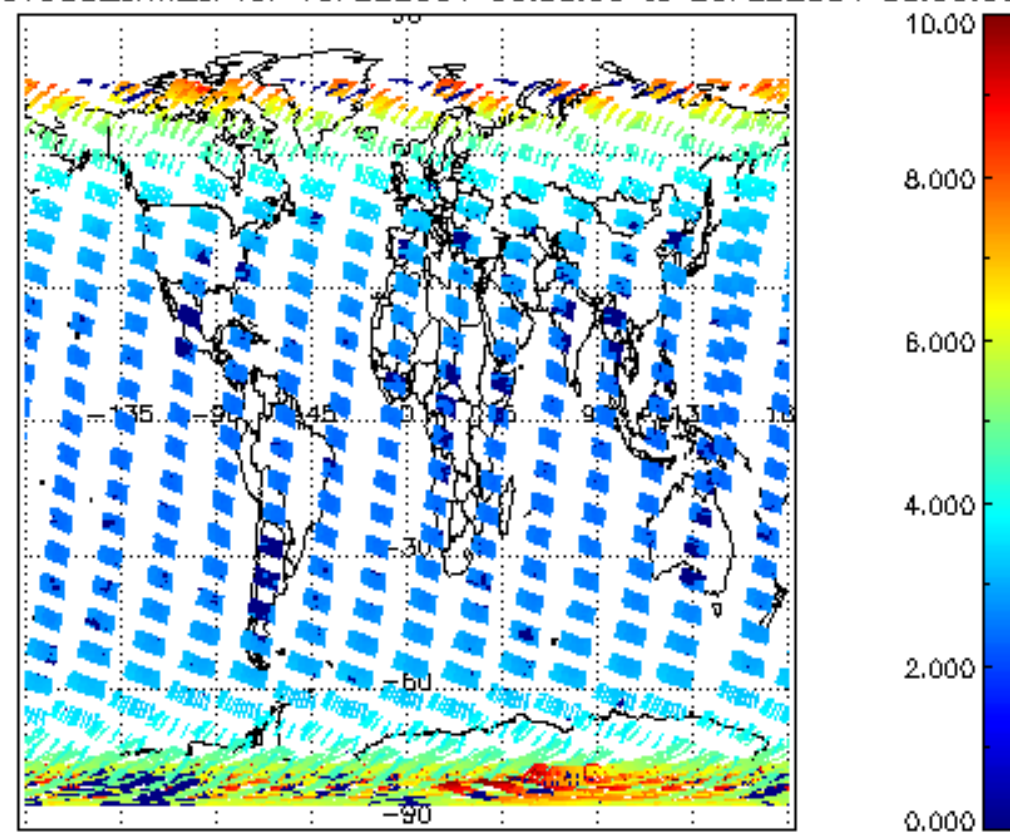
SCIOL2P_NADUV003_vcd_err for 19FEB2004 00:00:00 to 20FEB2004 00:00:00

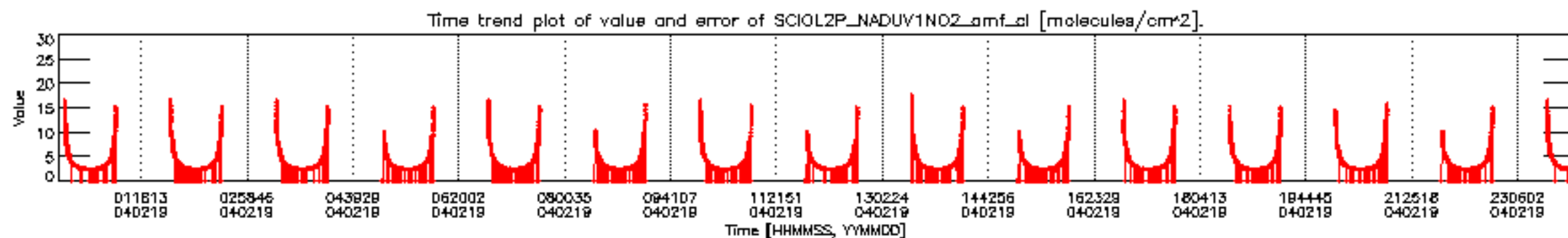
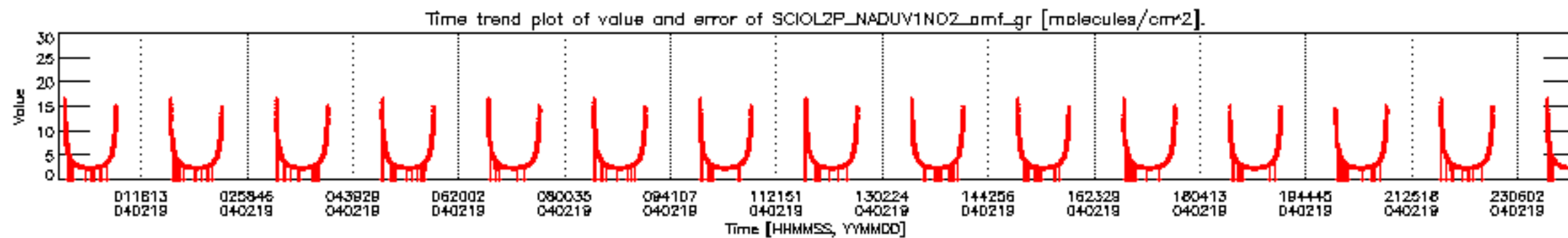
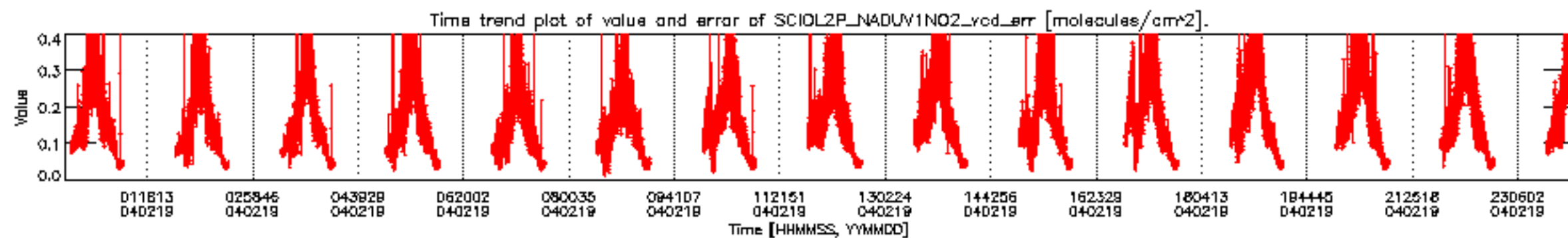
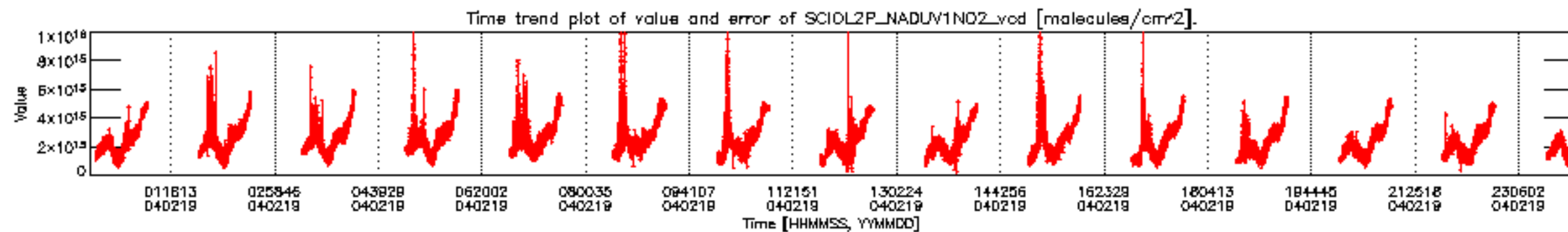


SCIOL2P_NADUV003_amf_gr for 19FEB2004 00:00:00 to 20FEB2004 00:00:00

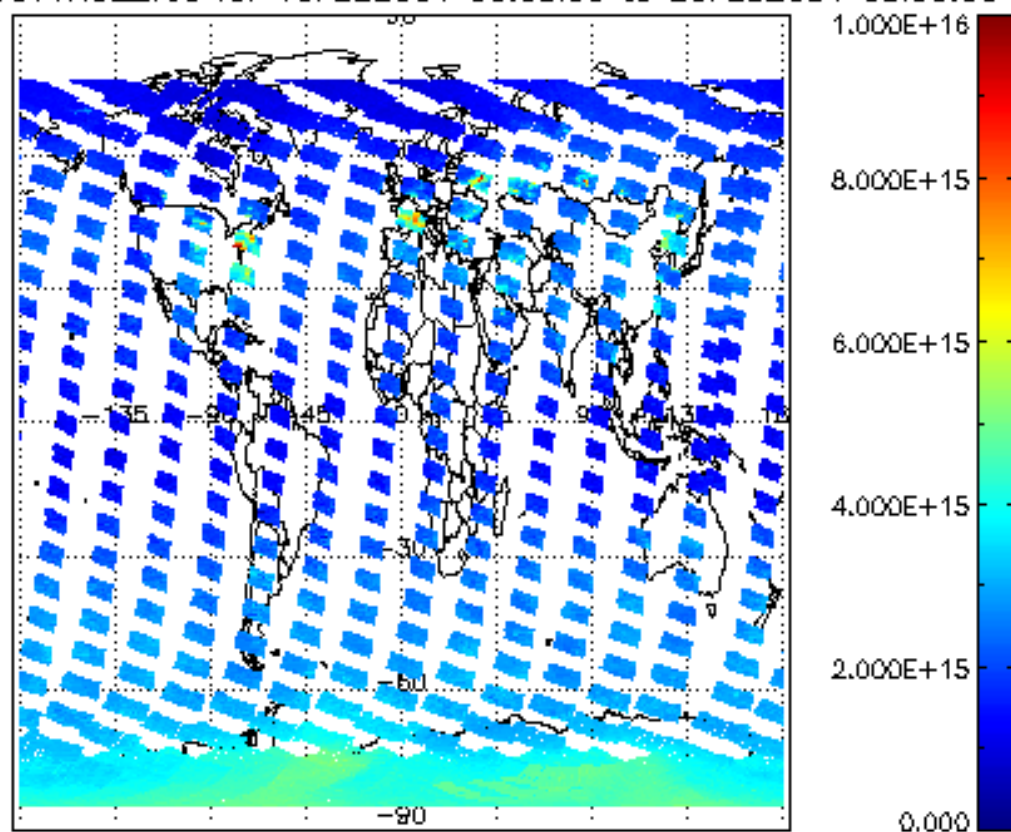


SCIOL2P_NADUV003_amf_cl for 19FEB2004 00:00:00 to 20FEB2004 00:00:00

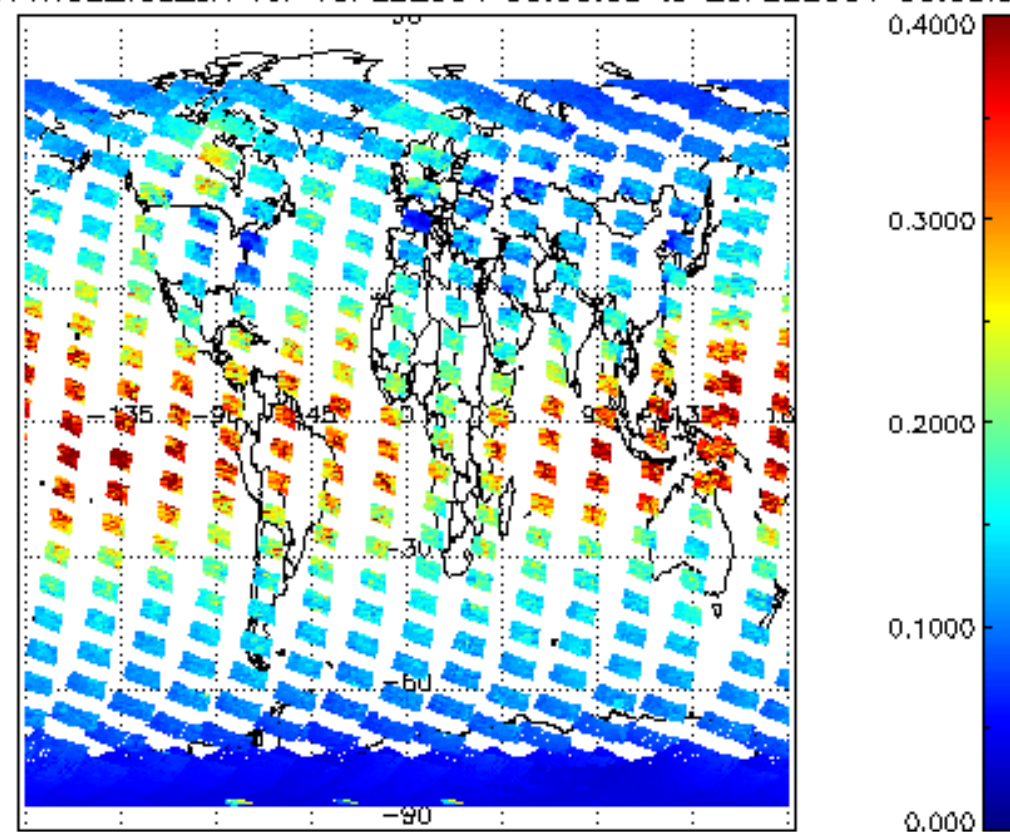




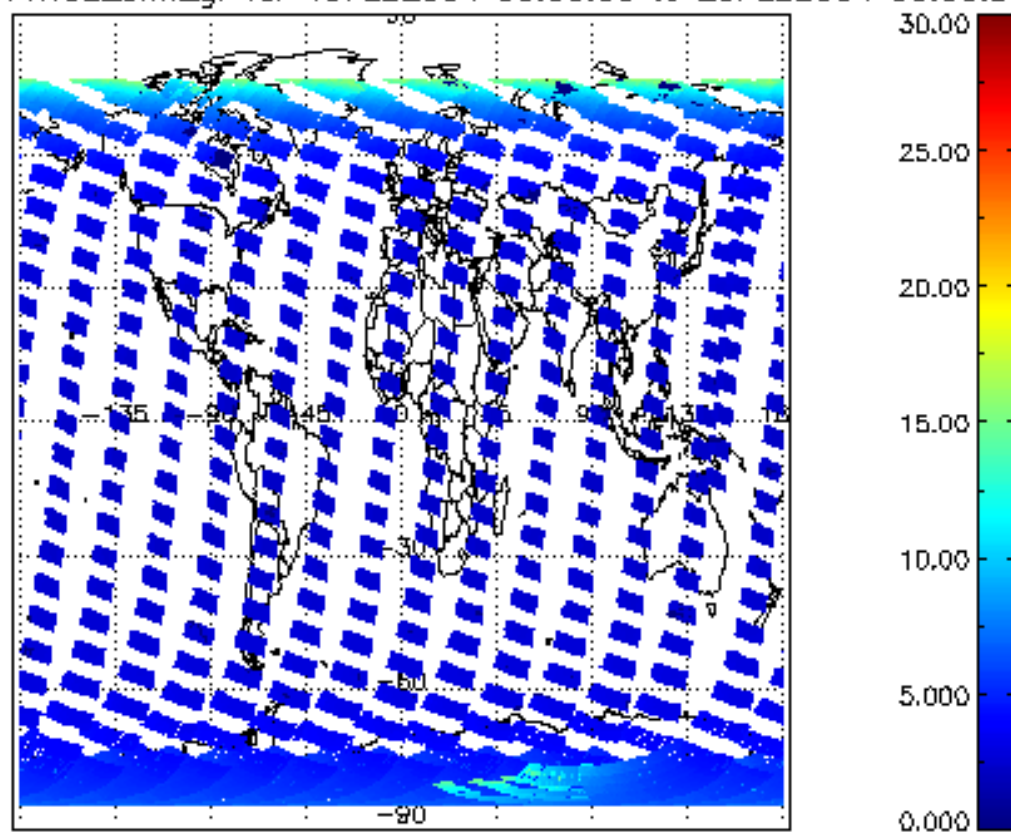
SCIOL2P_NADUV1NO2_vcd for 19FEB2004 00:00:00 to 20FEB2004 00:00:00



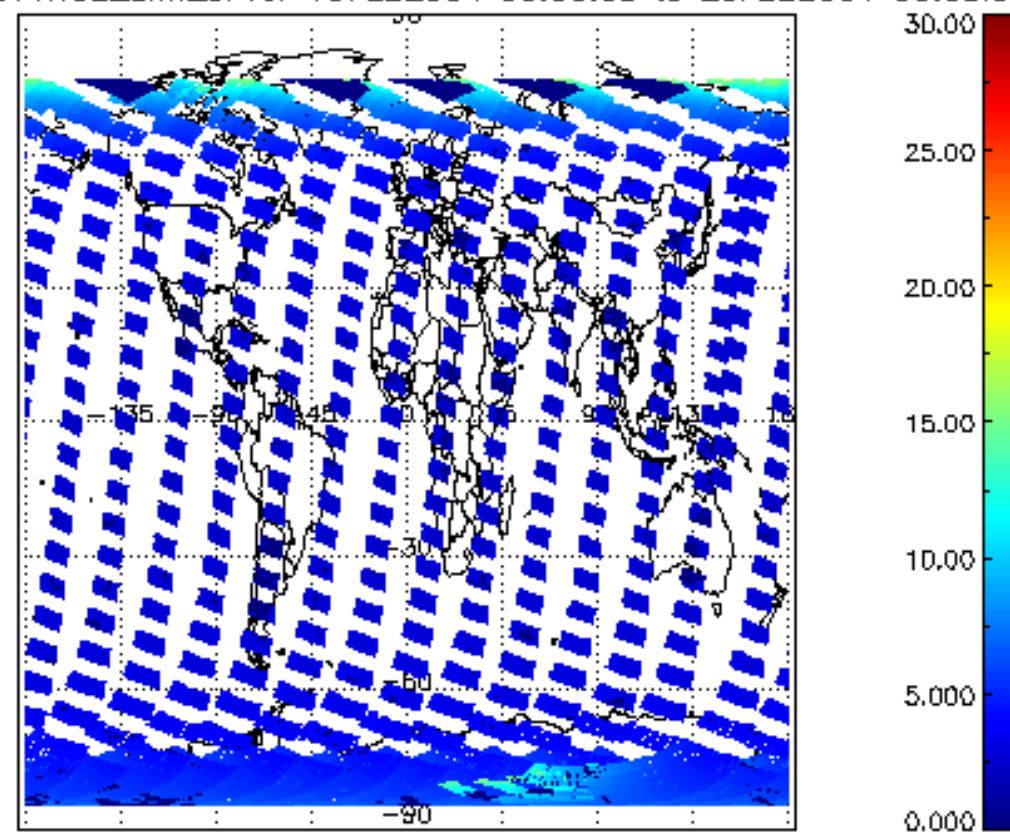
SCIOL2P_NADUV1NO2_vcd_err for 19FEB2004 00:00:00 to 20FEB2004 00:00:00



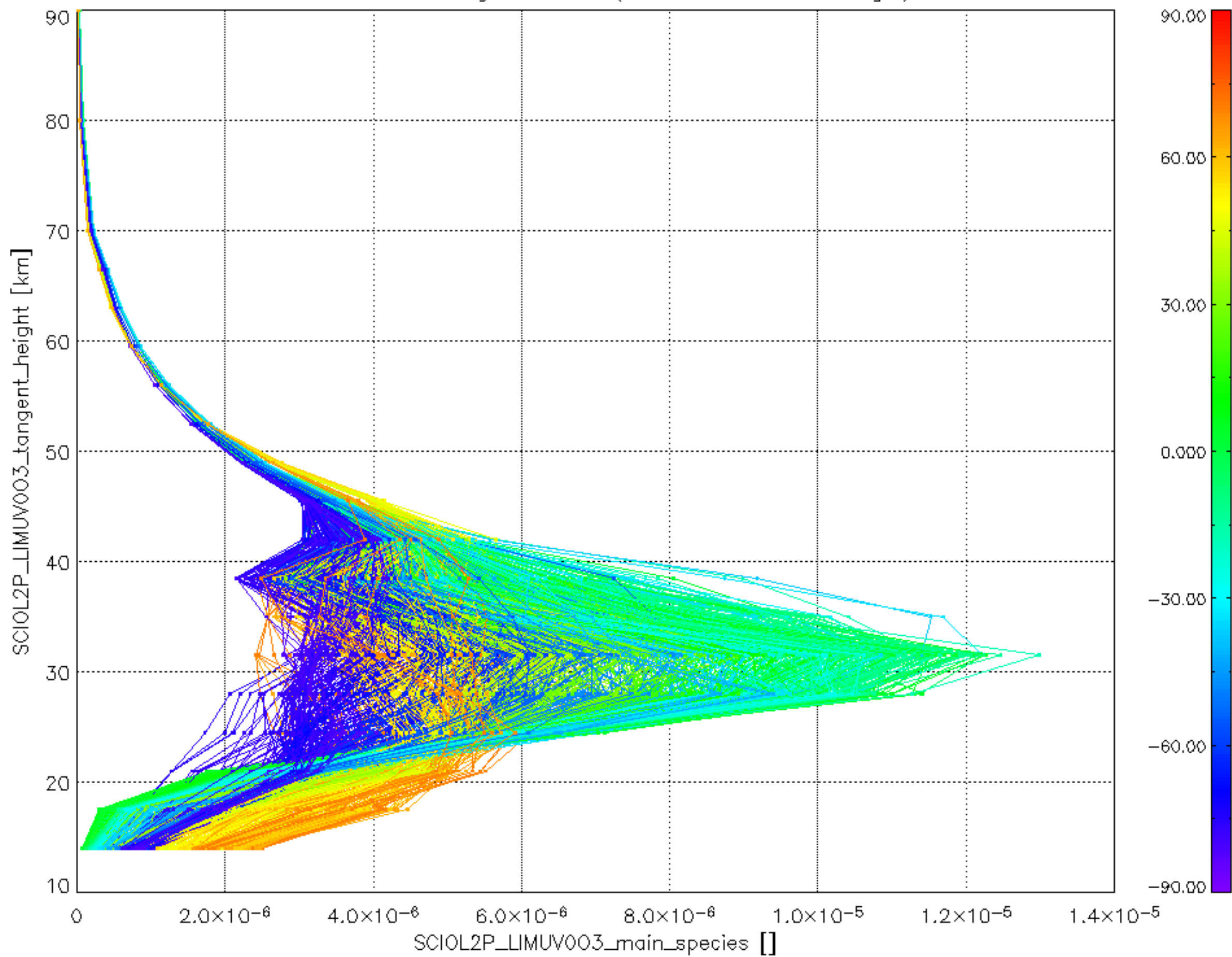
SCIOL2P_NADUV1NO2_amf_gr for 19FEB2004 00:00:00 to 20FEB2004 00:00:00



SCIOL2P_NADUV1NO2_amf_cl for 19FEB2004 00:00:00 to 20FEB2004 00:00:00



Plot of SCIOL2P_LIMUV003_main_species.tang_vmr vs. tangent height.
Colours indicate tangent latitude (see colour bar on the right).



Plot of SCIOL2P_LIMUV1NO2_main_species.tang_vmr vs. tangent height.
 Colours indicate tangent latitude (see colour bar on the right).

