



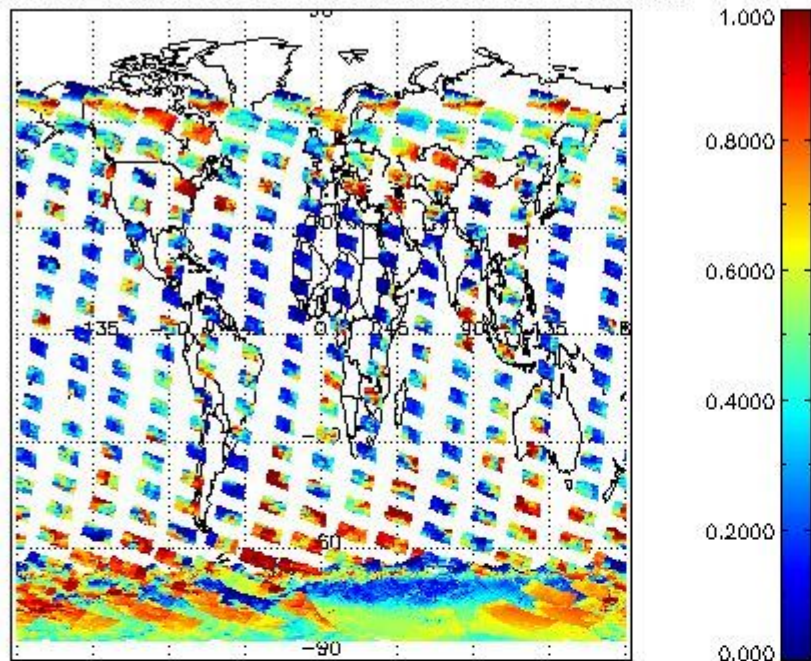
CL_FRAC	108800	0.47393	0.48824	0.0000	1.0000	0.27929	-
CL_FRAC_ERR	108800	0.0000	0.0000	0.0000	0.0000	0.0000	rel. fraction
PMD_READ	108800	6.9206	8.0000	4.0000	16.000	2.5017	
PMD_READ_CL[0]	108800	0.38223	0.0000	0.0000	16.000	1.4223	-
PMD_READ_CL[1]	108800	0.31650	0.0000	0.0000	16.000	1.3801	-
CL_TOP_HEIGHT	99814	4.4210	3.2710	0.0000	17.000	3.8589	km
CL_TOP_HEIGHT_ERR	0	---	---	---	---	---	---
CL_OPT_DEPTH	99814	51.423	35.442	0.0000	101.00	39.341	km
CL_OPT_DEPTH_ERR	0	---	---	---	---	---	---
CL_TYPE_FLAGS	108800	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	108800	11000110	11000010	11000000	11100000	2344.7	flags
AERO_ABSO_IND	108800	0.41701	0.13658	-4.2808	10.583	1.2166	
AERO_IND_DIAG	108800	0.0000	0.0000	0.0000	0.0000	0.0000	
AERO_FLAGS	108800	01101001	11000000	00000000	11000000	24448.	flags

Time and geolocation plots:

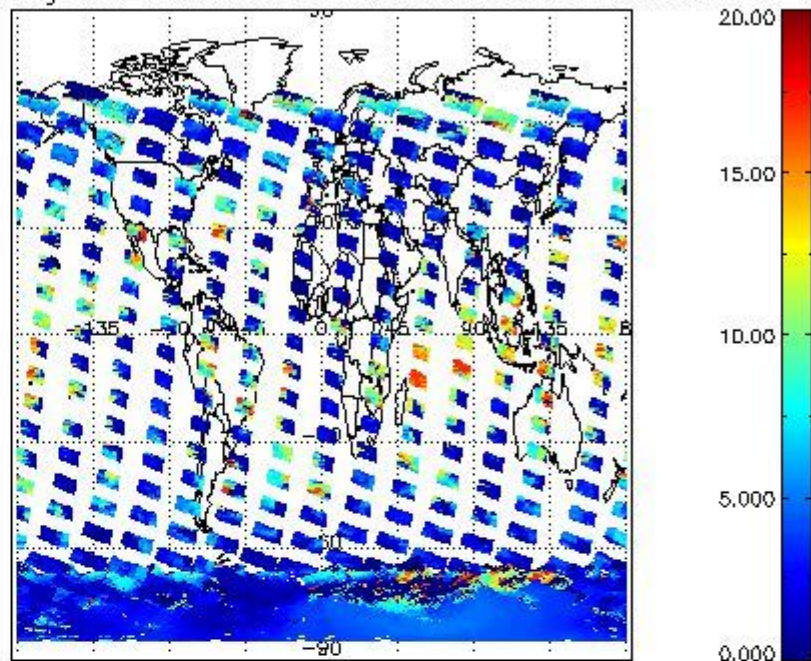
Plots are available for the following parameters:

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

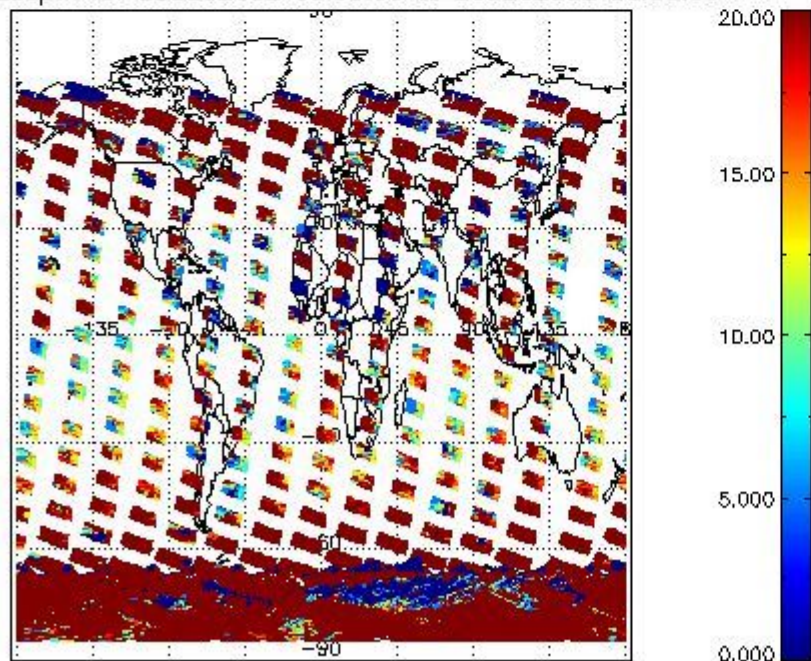
cL\_frac for 25DEC2002 00:00:00 to 26DEC2002 00:00:00



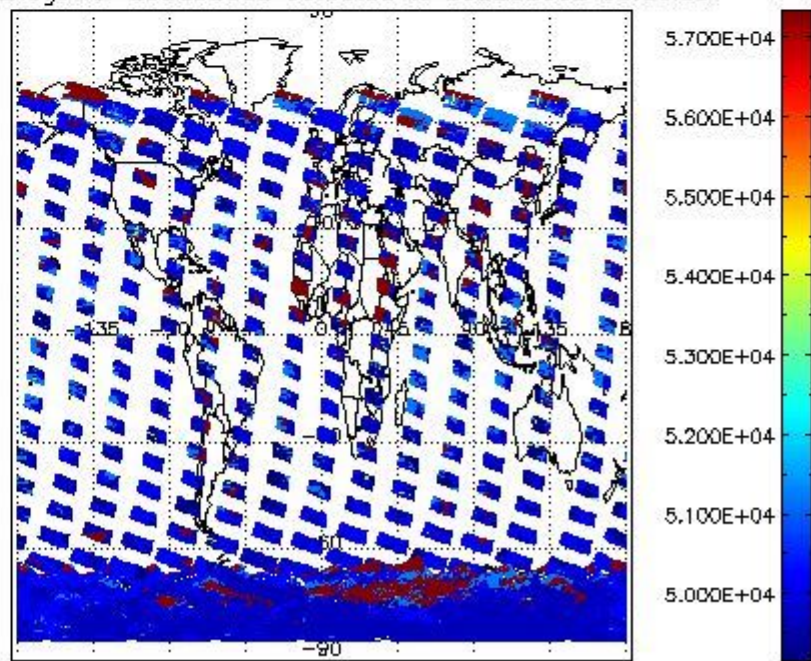
cL\_top\_height for 25DEC2002 00:00:00 to 26DEC2002 00:00:00



cL\_opt\_depth for 25DEC2002 00:00:00 to 26DEC2002 00:00:00



cloud\_flags for 25DEC2002 00:00:00 to 26DEC2002 00:00:00



### 2.2.2 Nadir

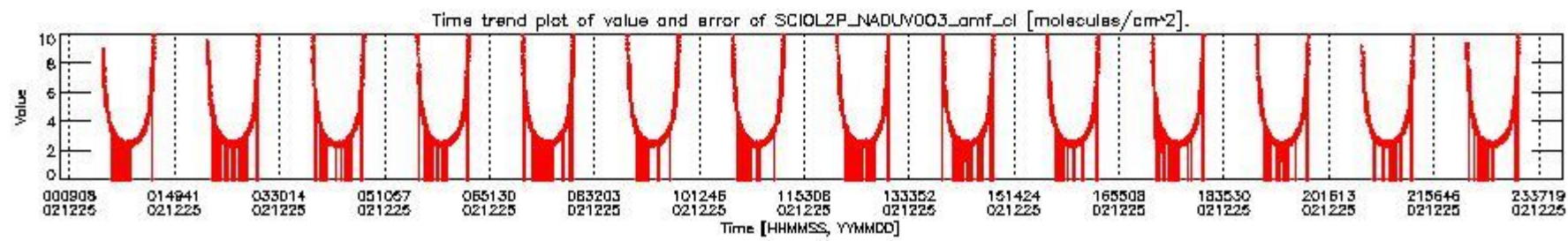
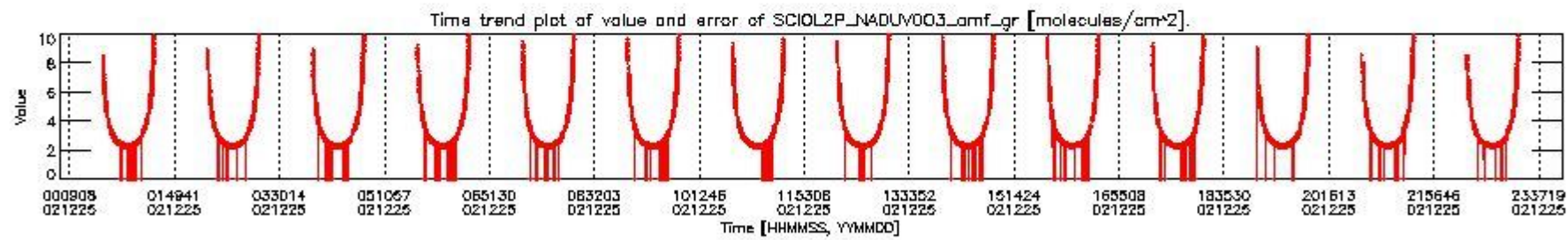
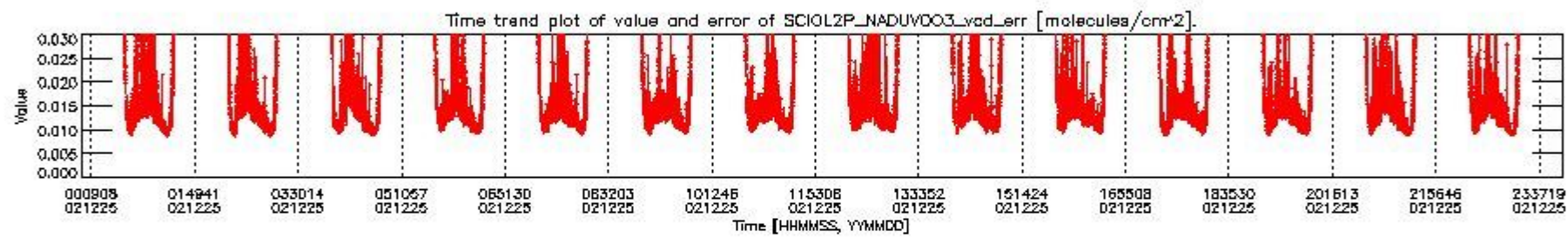
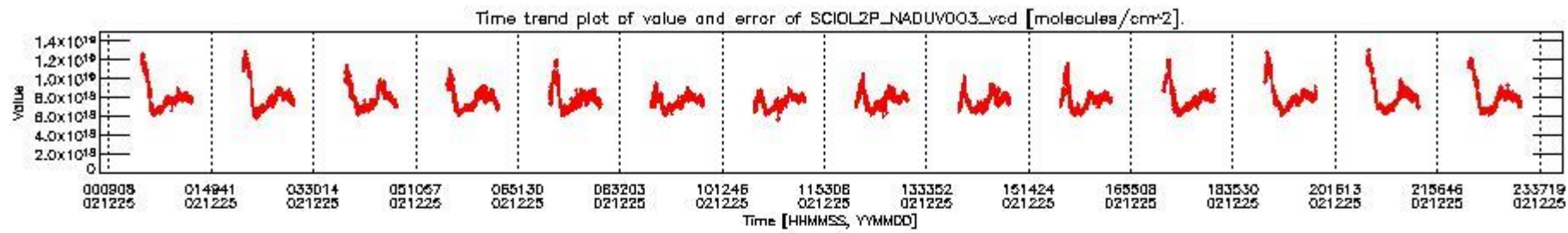
This section shows information about product quality of nadir measurements, in particular the quality of retrieved species.

The following data items are currently included into this section:

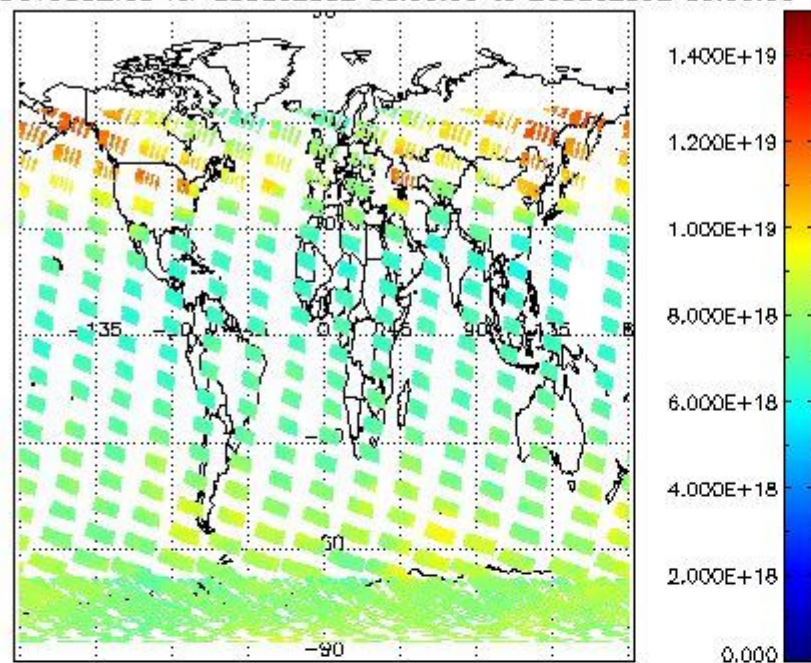
Number	Data item ID
0	SCIOL2P_NADUV003_vcd
1	SCIOL2P_NADUV003_vcd_err
2	SCIOL2P_NADUV003_amf_gr
3	SCIOL2P_NADUV003_amf_cl

4	SCIOL2P_NADUV1NO2_vcd
5	SCIOL2P_NADUV1NO2_vcd_err
6	SCIOL2P_NADUV1NO2_amf_gr
7	SCIOL2P_NADUV1NO2_amf_cl

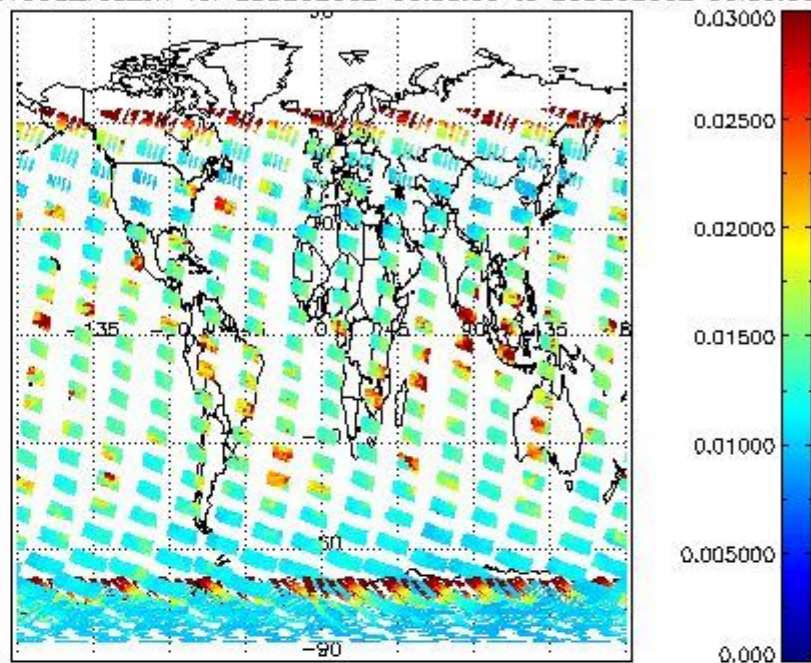
Data is presented both in time trend plots and world map plots, in order to show variations with time and geolocation. The vertical dotted lines in the time trend plots indicate orbits. The orbit times on the X-axis are estimated sensing\_start time as suggested by the product sensing\_start time in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



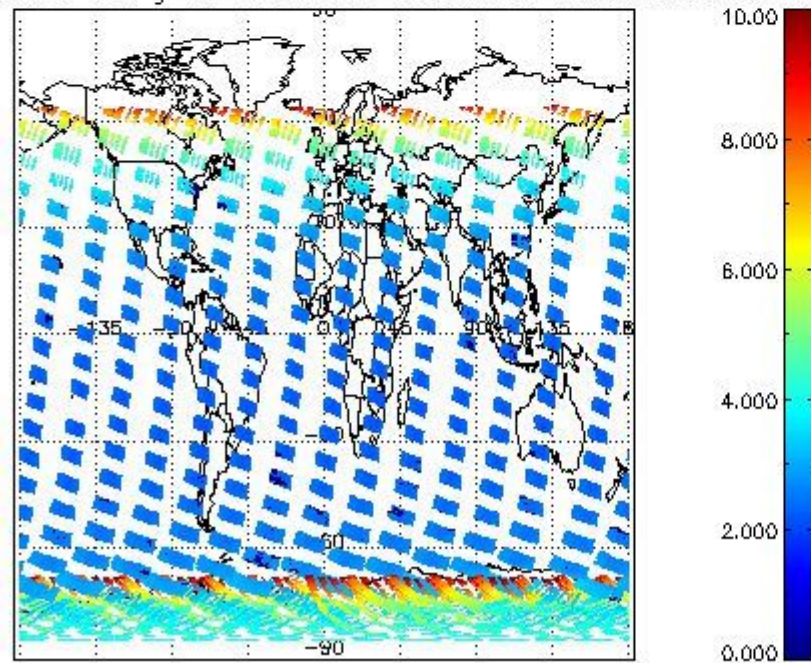
SCIOL2P\_NADUV003\_vcd for 25DEC2002 00:00:00 to 26DEC2002 00:00:00



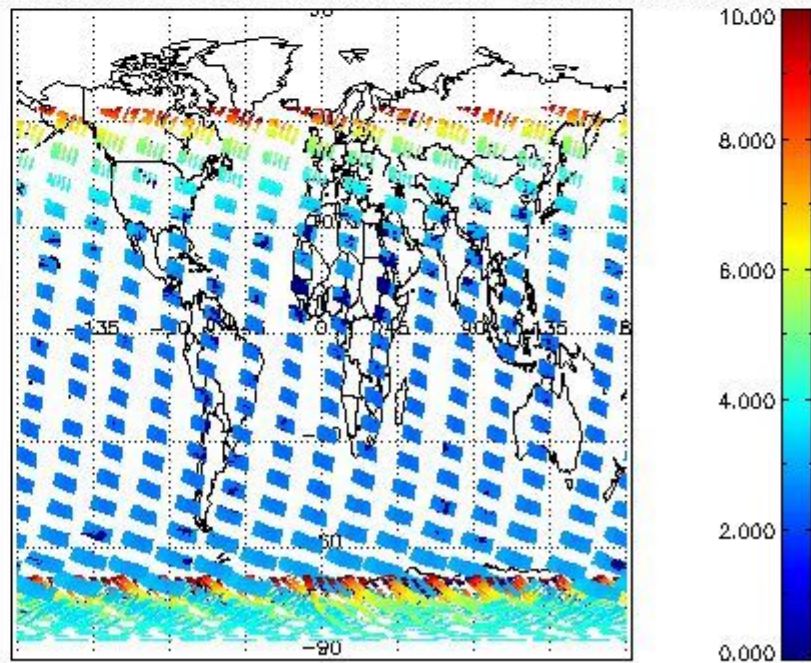
SCIOL2P\_NADUV003\_vcd\_err for 25DEC2002 00:00:00 to 26DEC2002 00:00:00

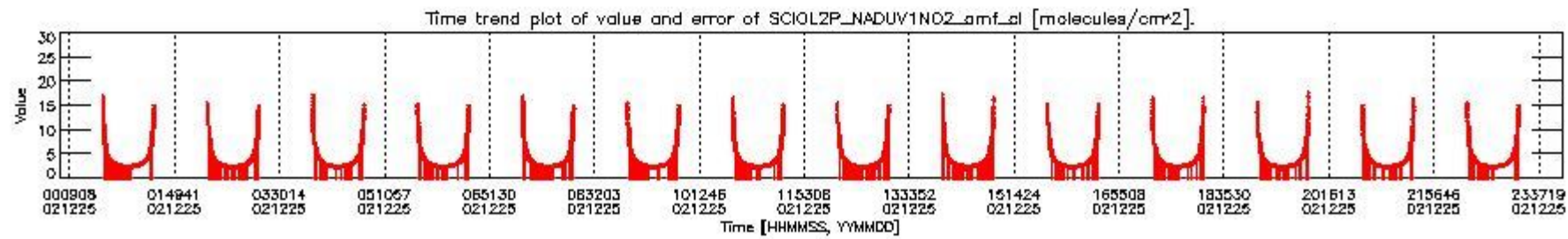
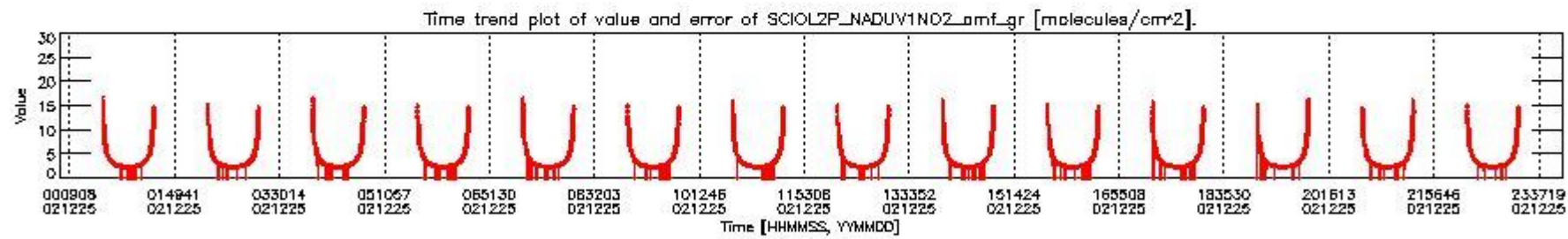
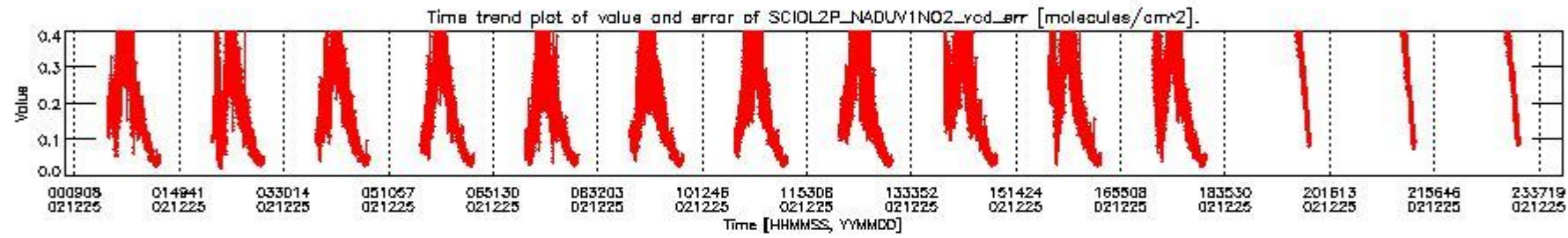
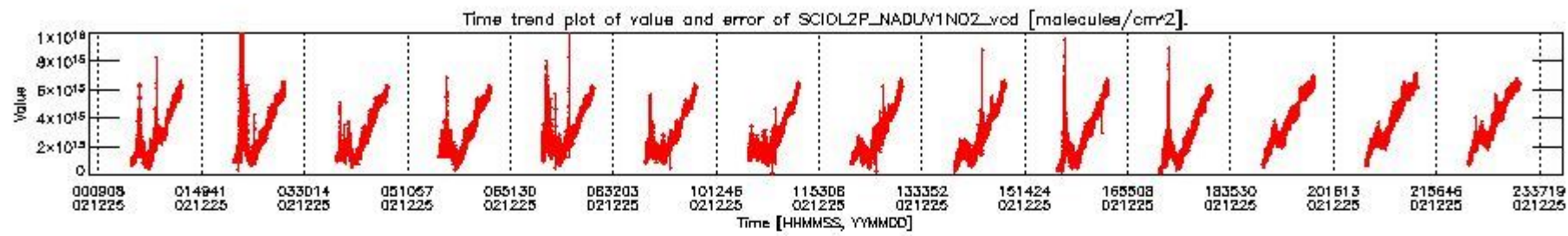


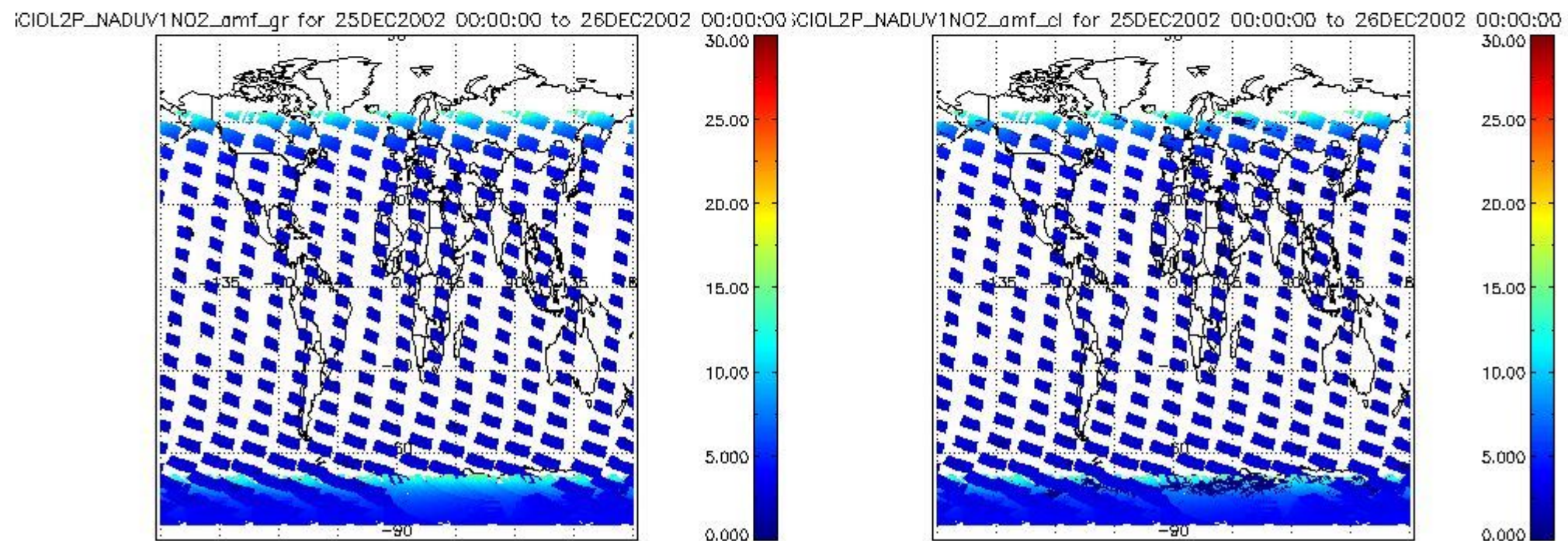
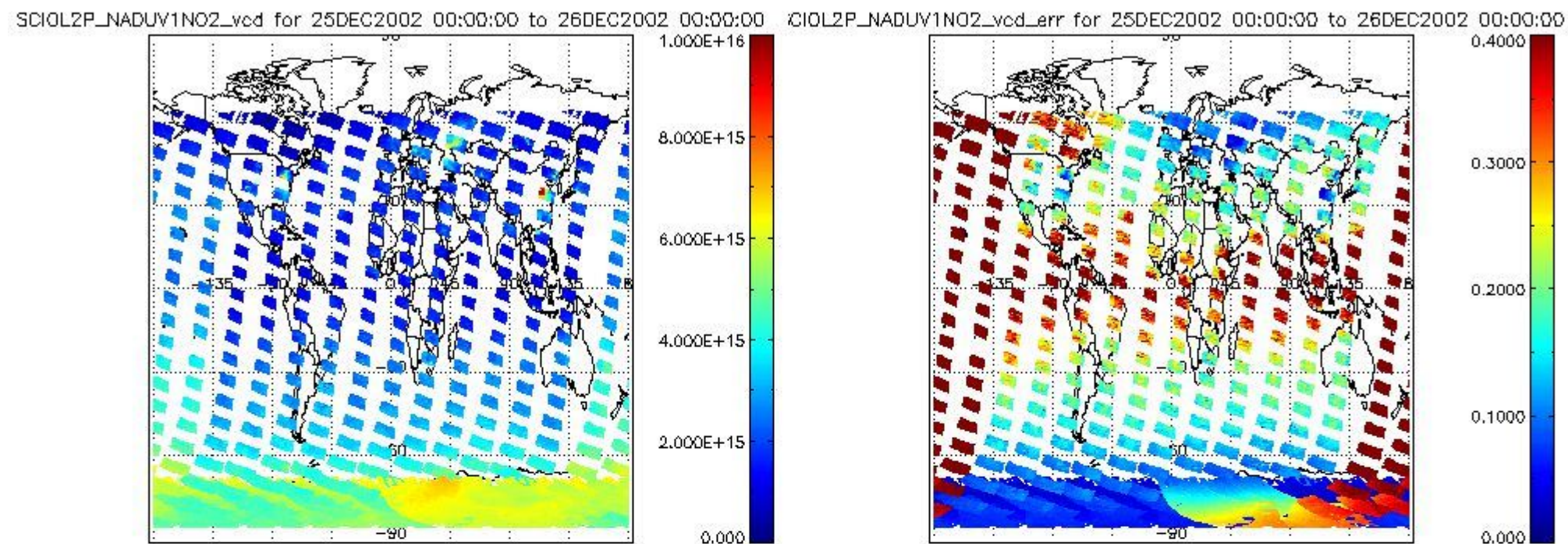
SCIOL2P\_NADUV003\_amf\_gr for 25DEC2002 00:00:00 to 26DEC2002 00:00:00



SCIOL2P\_NADUV003\_amf\_cl for 25DEC2002 00:00:00 to 26DEC2002 00:00:00







### 2.2.3 Limb

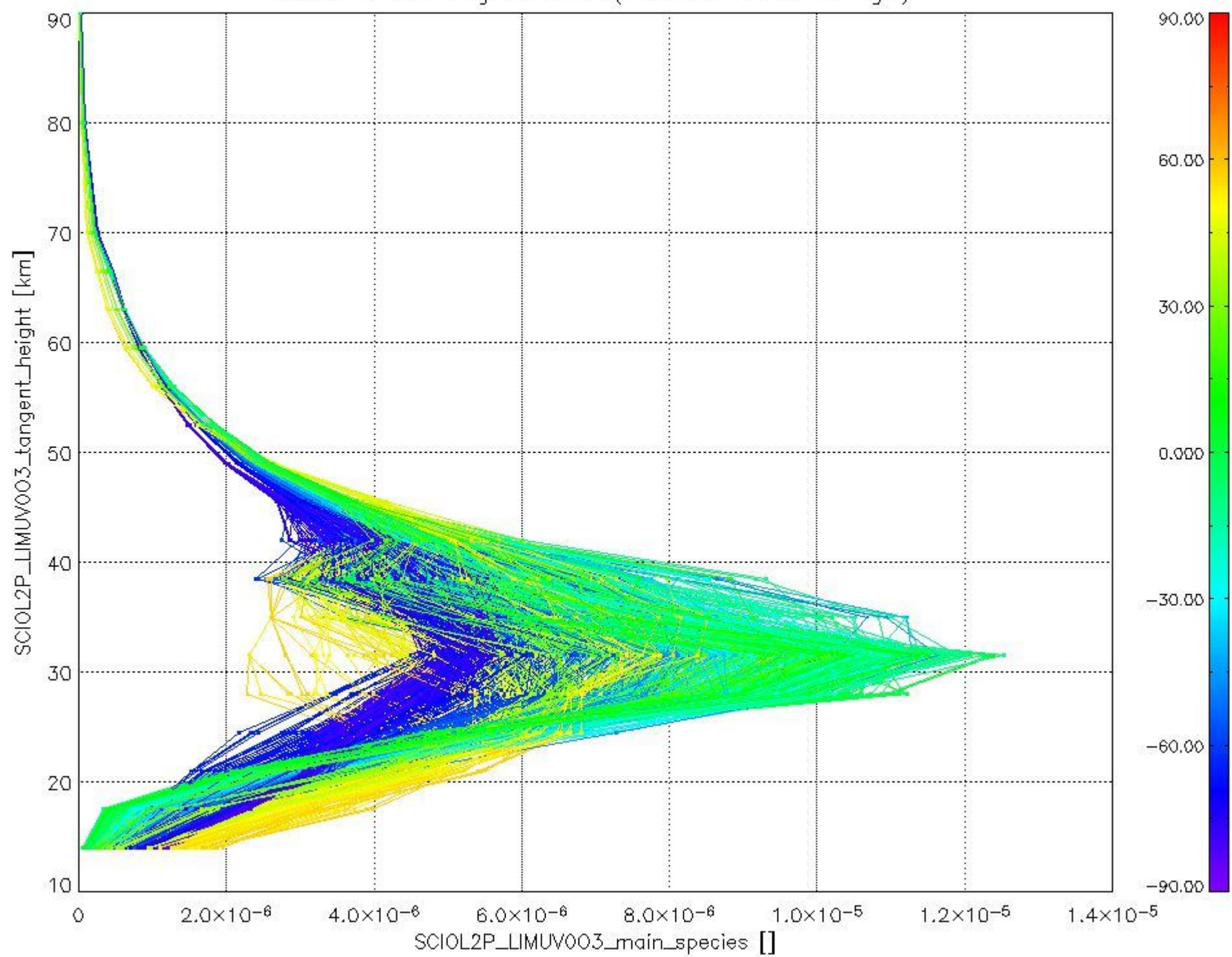
This section shows information about product quality of the limb retrievals, in particular the quality of retrieved species.

The following data items are currently included into this section:

Number	Data item ID
0	SCIOL2PLIMUV003_main_species
1	SCIOL2PLIMUV1NO2_main_species

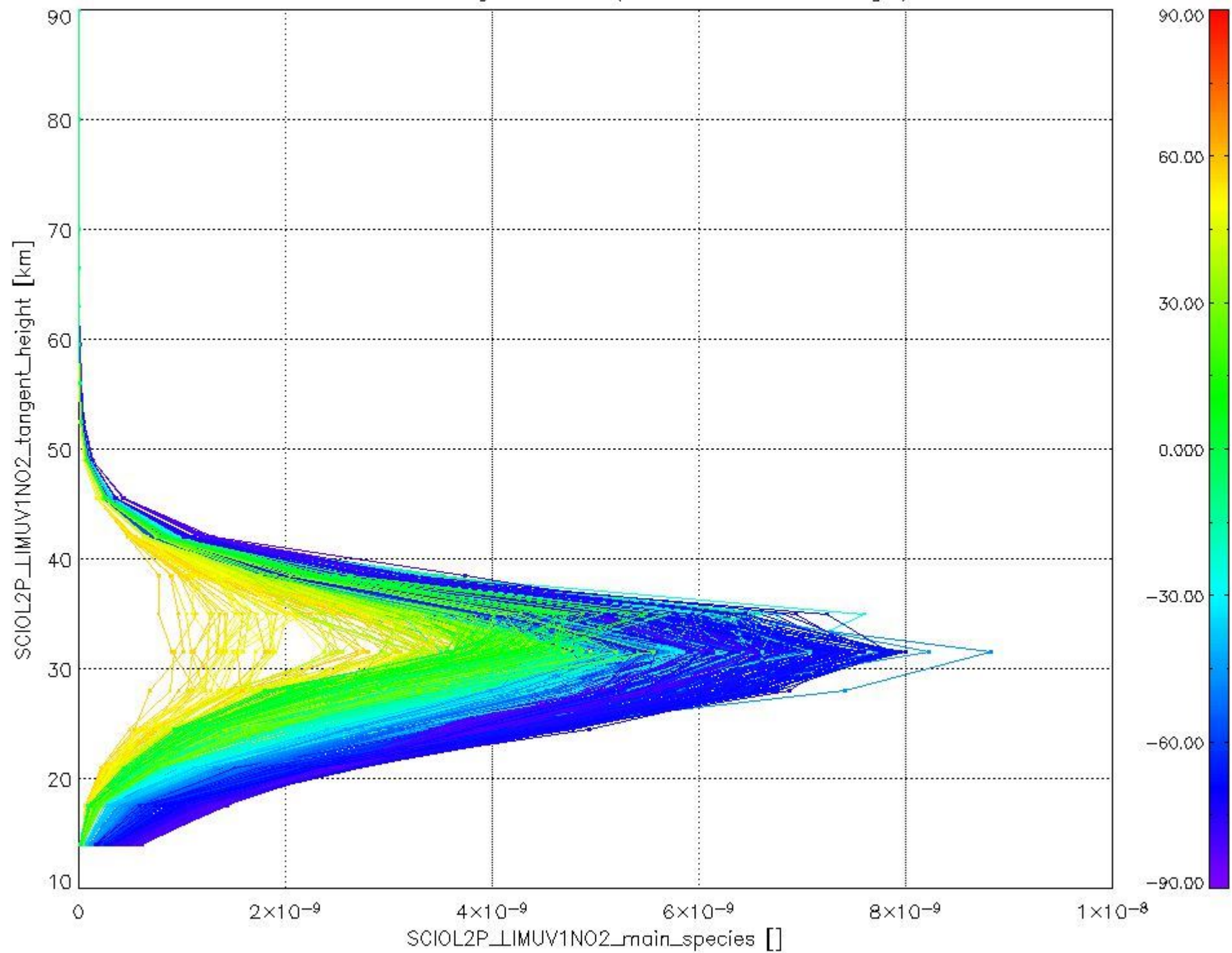
The following plots shows for each species the tangent volume mixing ratio vs. tangent height. Colours indicate tangent latitude.

Plot of SCIOL2P\_LIMUV003\_main\_species.tang\_vmr vs. tangent height.  
 Colours indicate tangent latitude (see colour bar on the right).





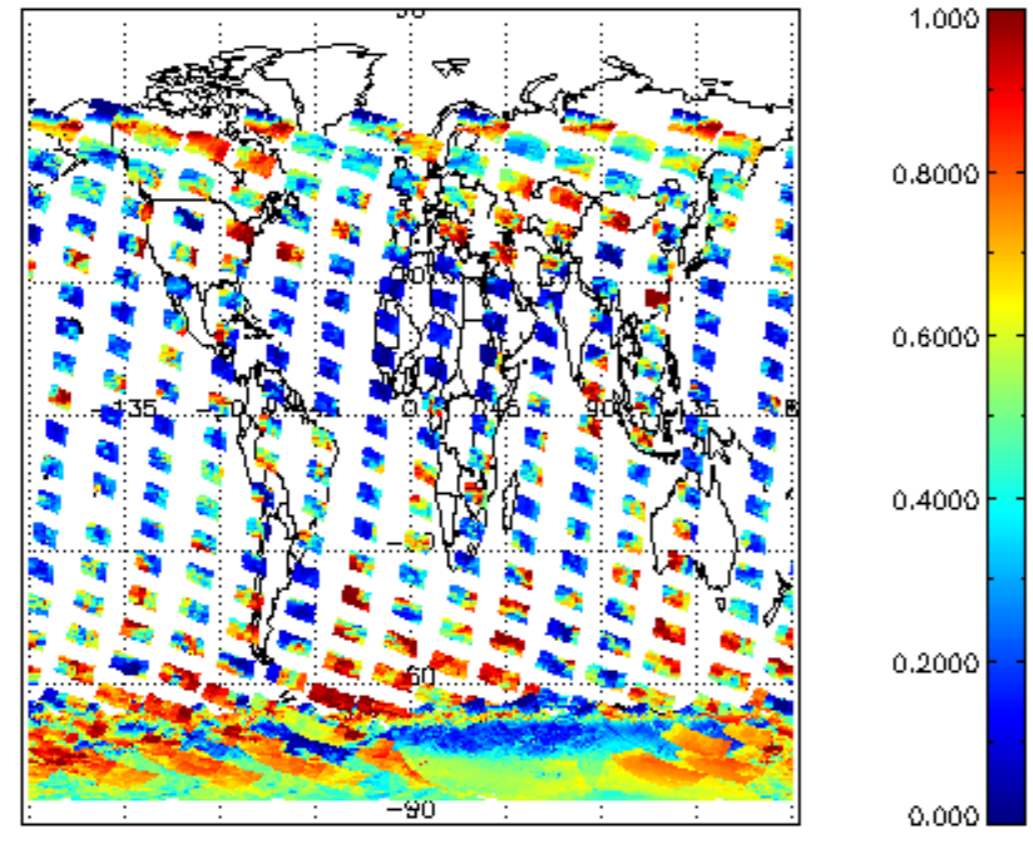
Plot of SCIOL2P\_LIMUV1NO2\_main\_species.tang\_vmr vs. tangent height.  
Colours indicate tangent latitude (see colour bar on the right).



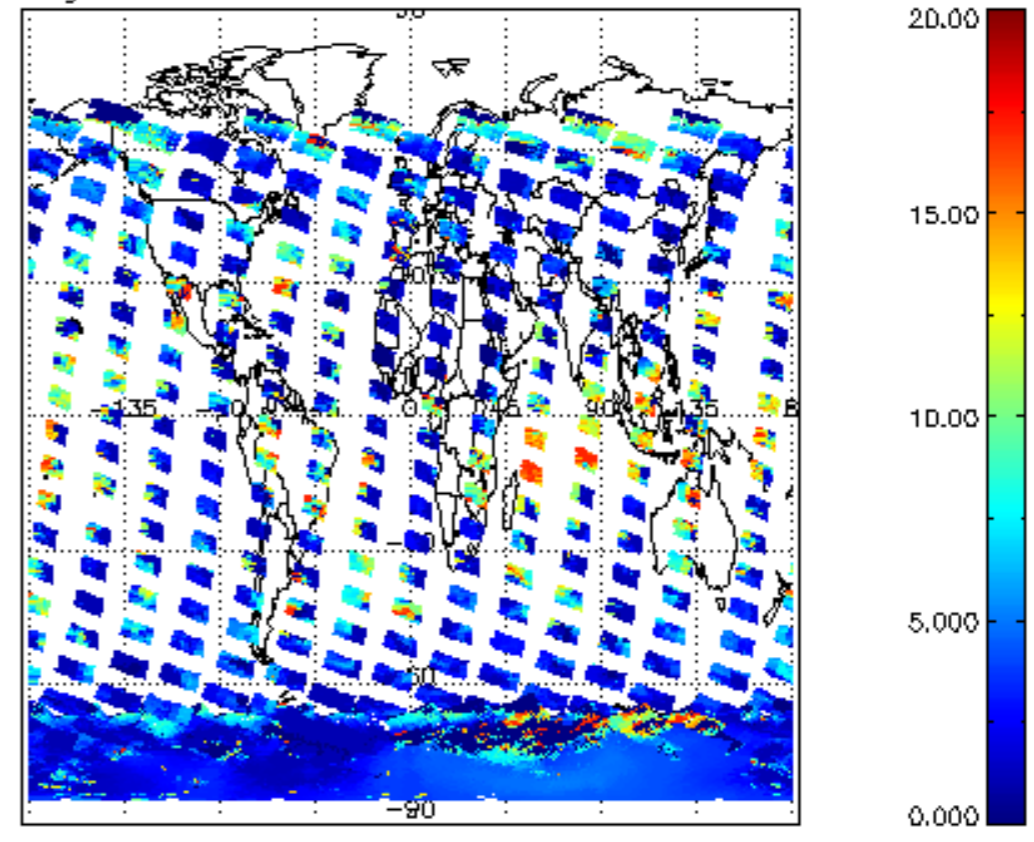
### 2.3 ADF monitoring

Number	ADP
	IN_ (INITIALISATION_FILE)
0	SCI_IN_AXNPDE20070629_092400_20070720_000000_20991231_235959
	ECF (ECMWF_FILE)
1	NOT USED

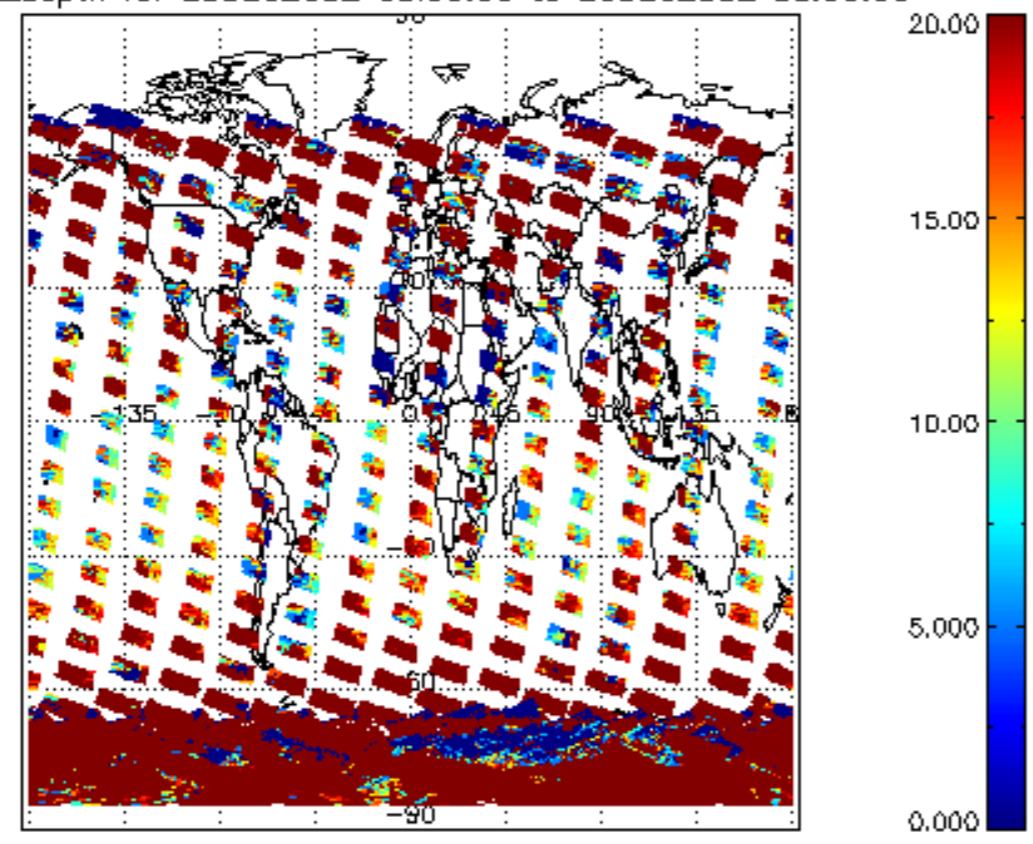
cl\_frac for 25DEC2002 00:00:00 to 26DEC2002 00:00:00



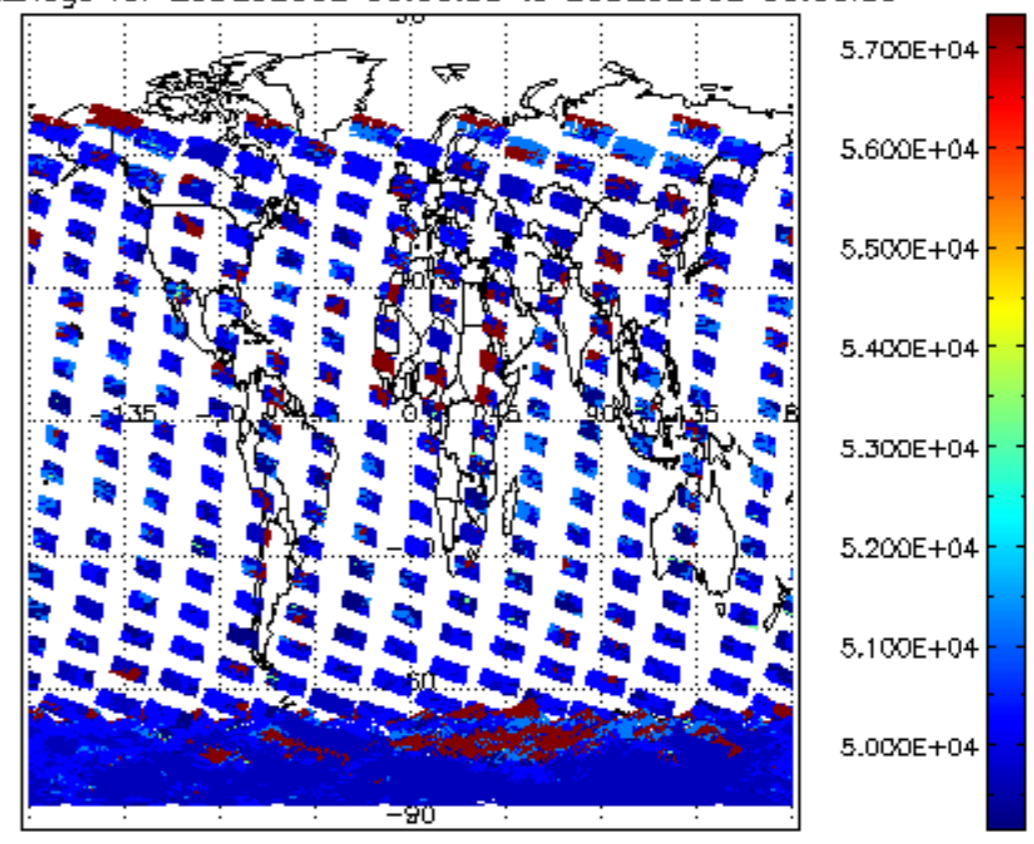
cl\_top\_height for 25DEC2002 00:00:00 to 26DEC2002 00:00:00

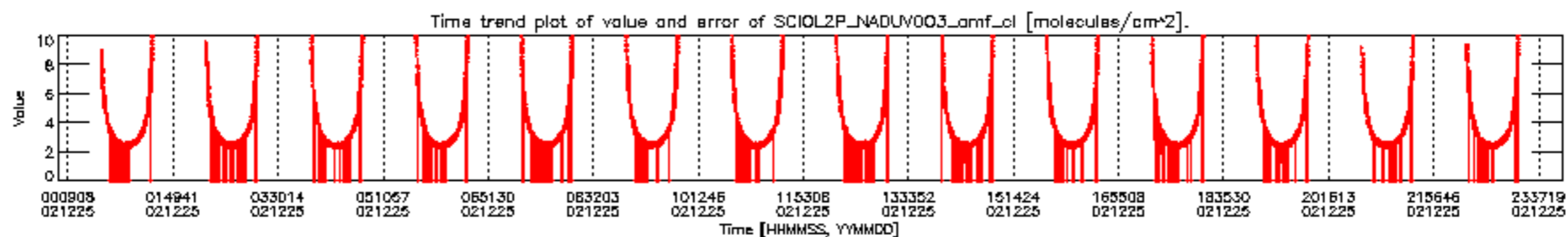
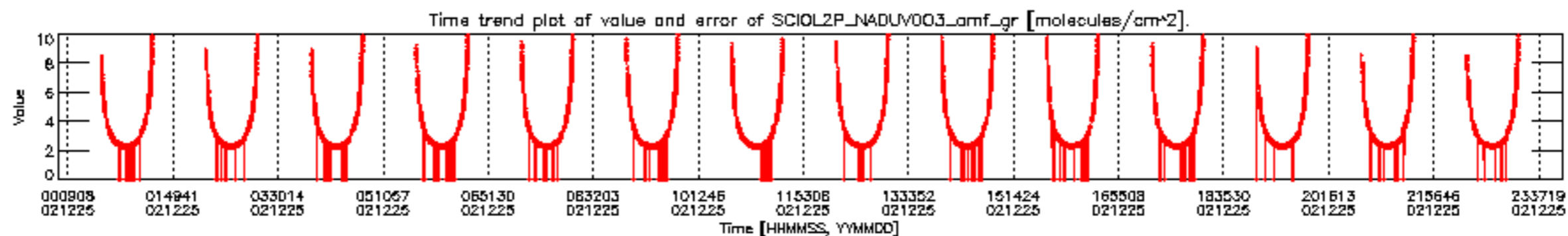
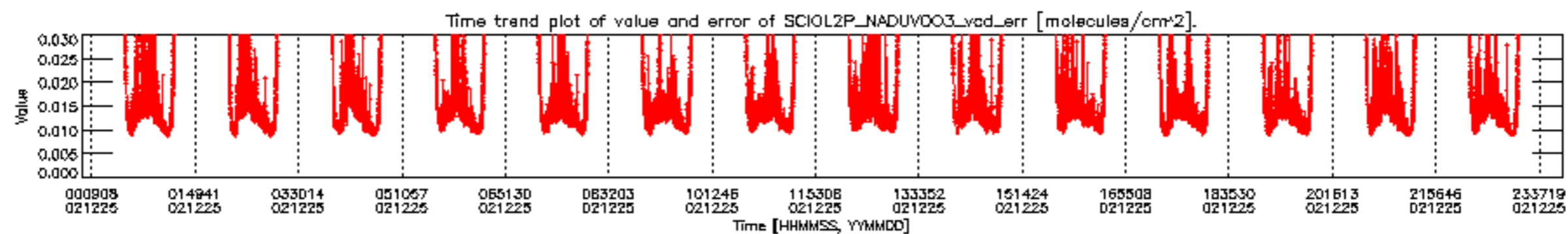
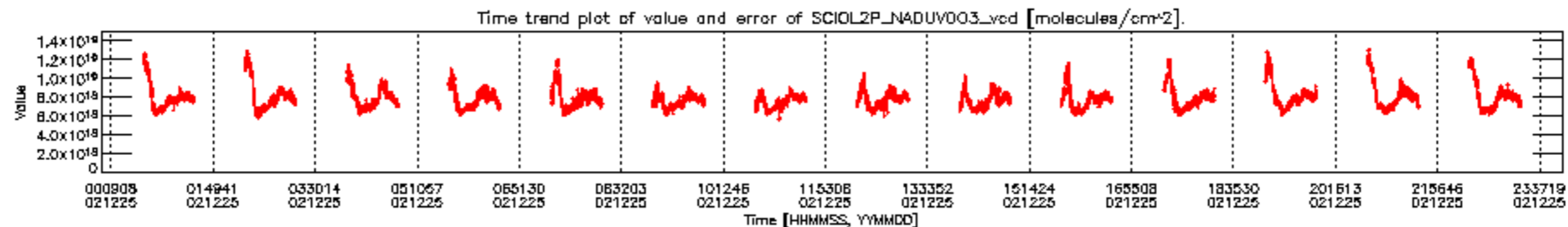


cl\_opt\_depth for 25DEC2002 00:00:00 to 26DEC2002 00:00:00

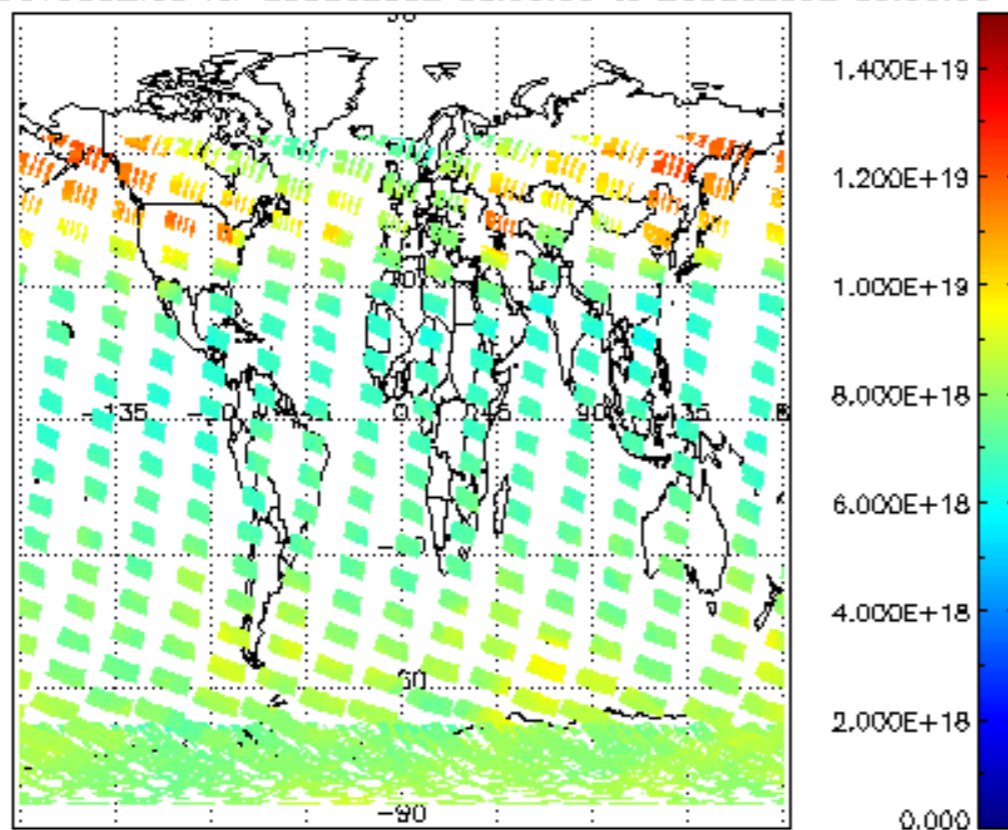


cloud\_flags for 25DEC2002 00:00:00 to 26DEC2002 00:00:00

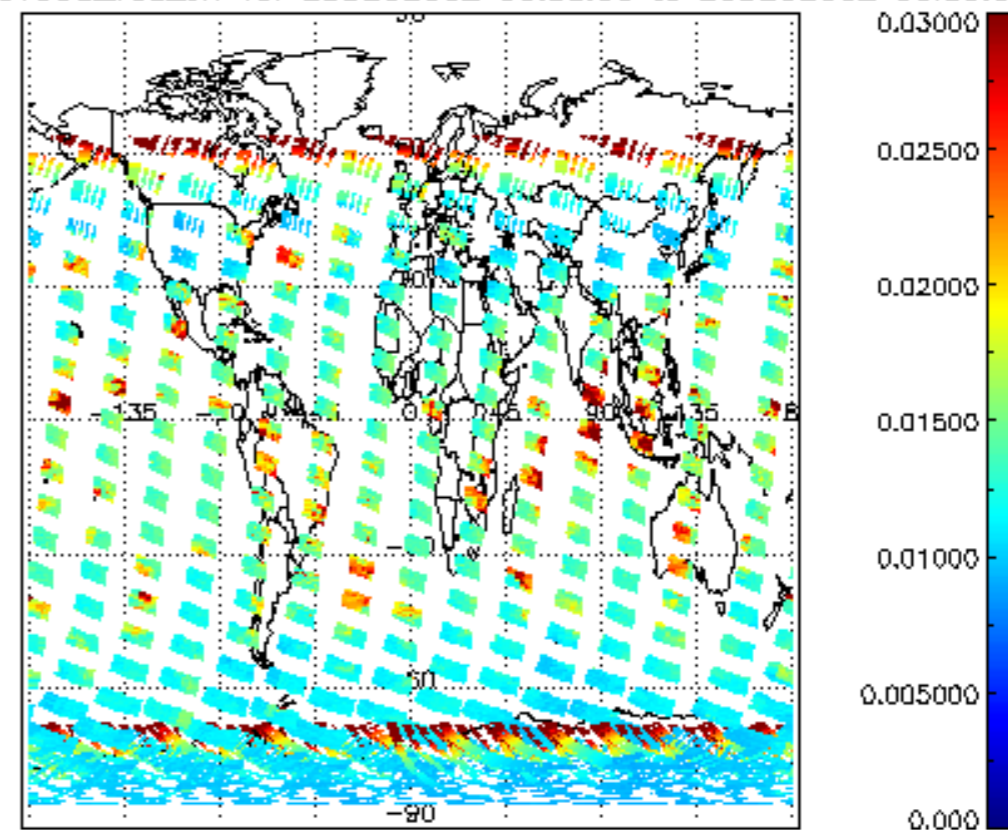




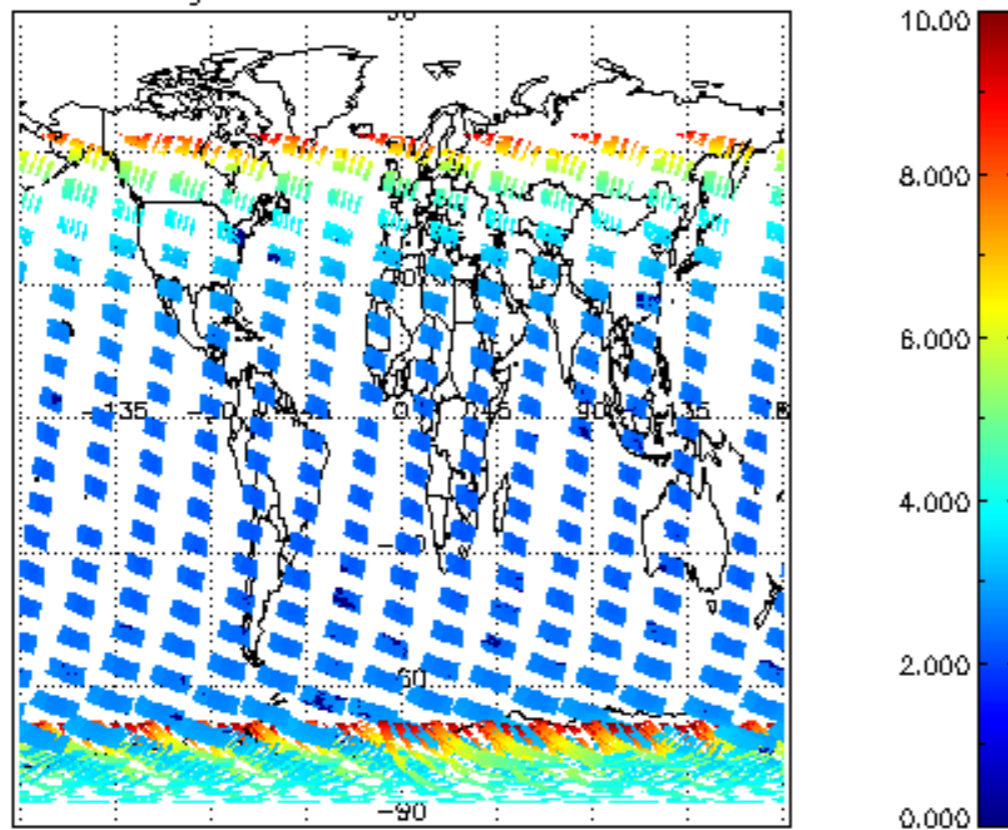
SCIOL2P\_NADUV003\_vcd for 25DEC2002 00:00:00 to 26DEC2002 00:00:00



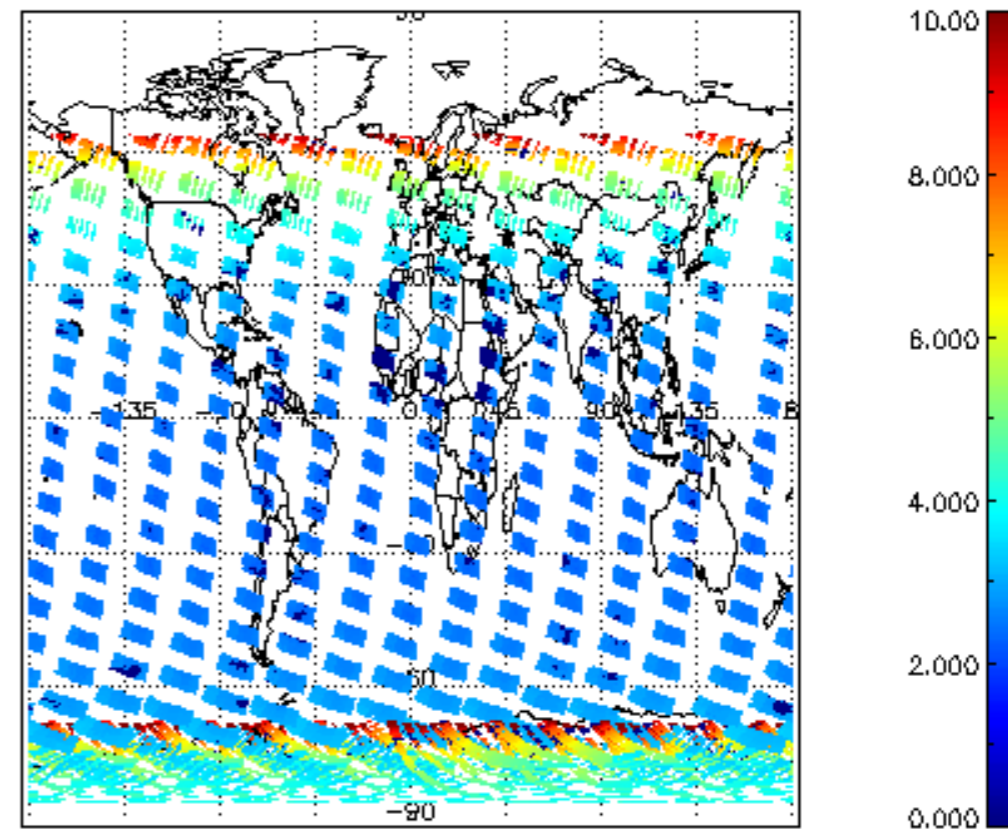
SCIOL2P\_NADUV003\_vcd\_err for 25DEC2002 00:00:00 to 26DEC2002 00:00:00

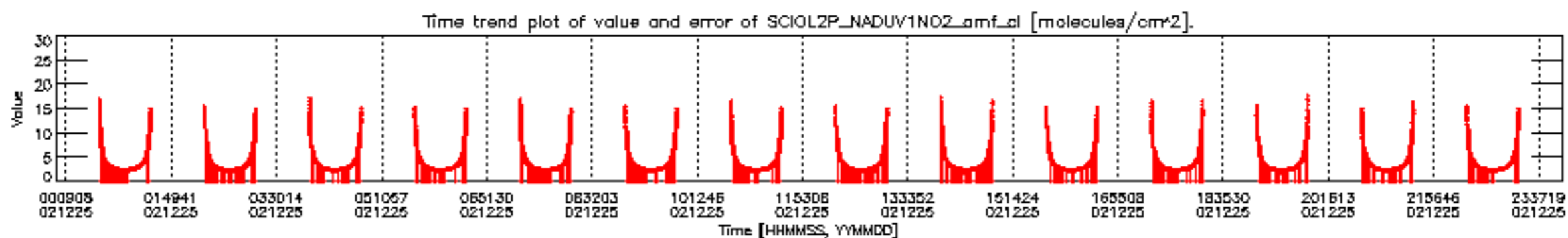
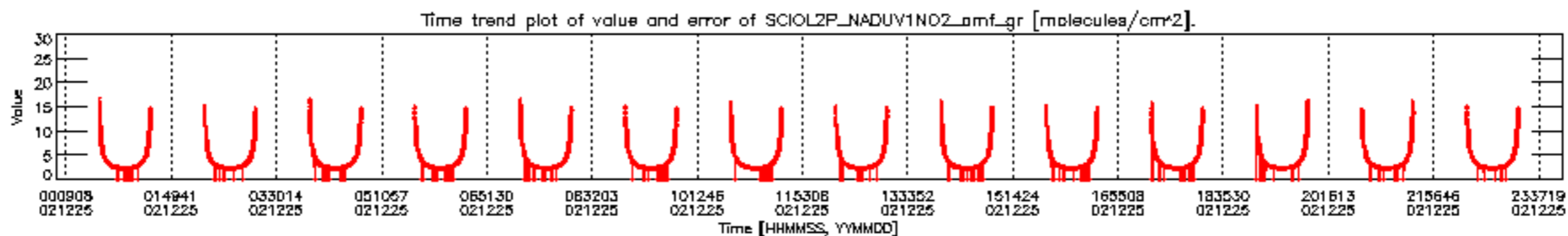
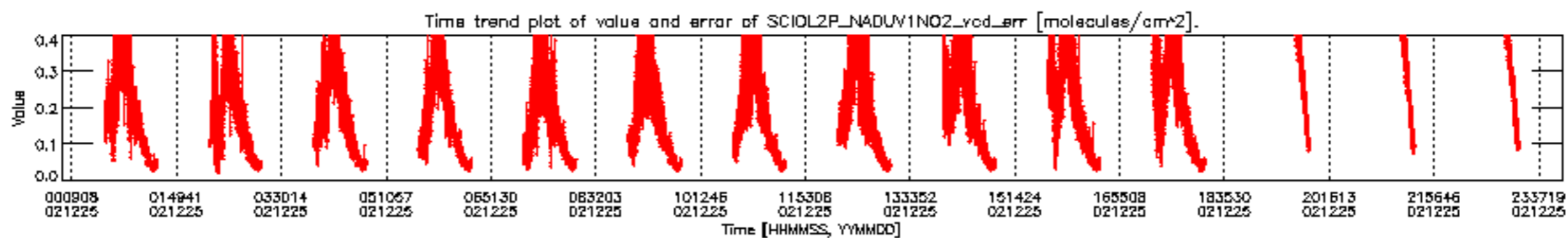
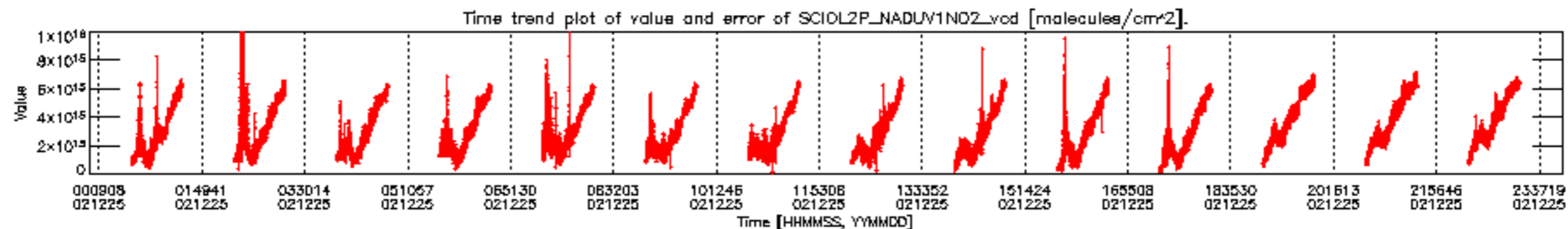


SCIOL2P\_NADUV003\_amf\_gr for 25DEC2002 00:00:00 to 26DEC2002 00:00:00

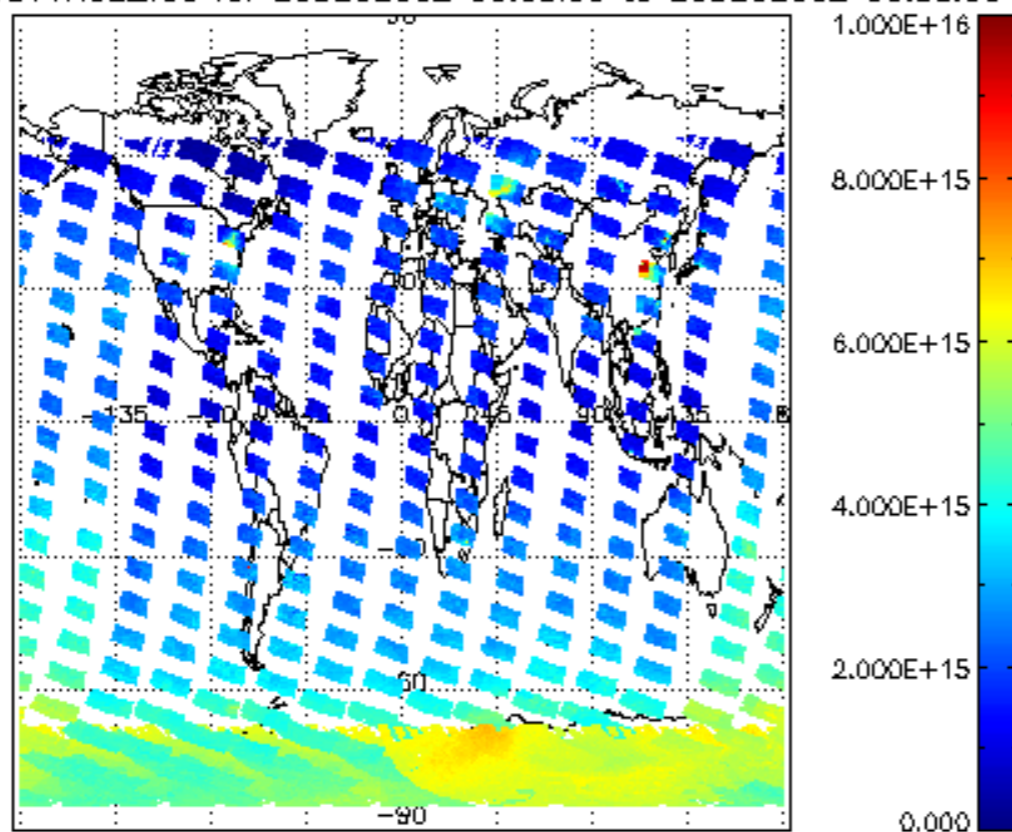


SCIOL2P\_NADUV003\_amf\_cl for 25DEC2002 00:00:00 to 26DEC2002 00:00:00

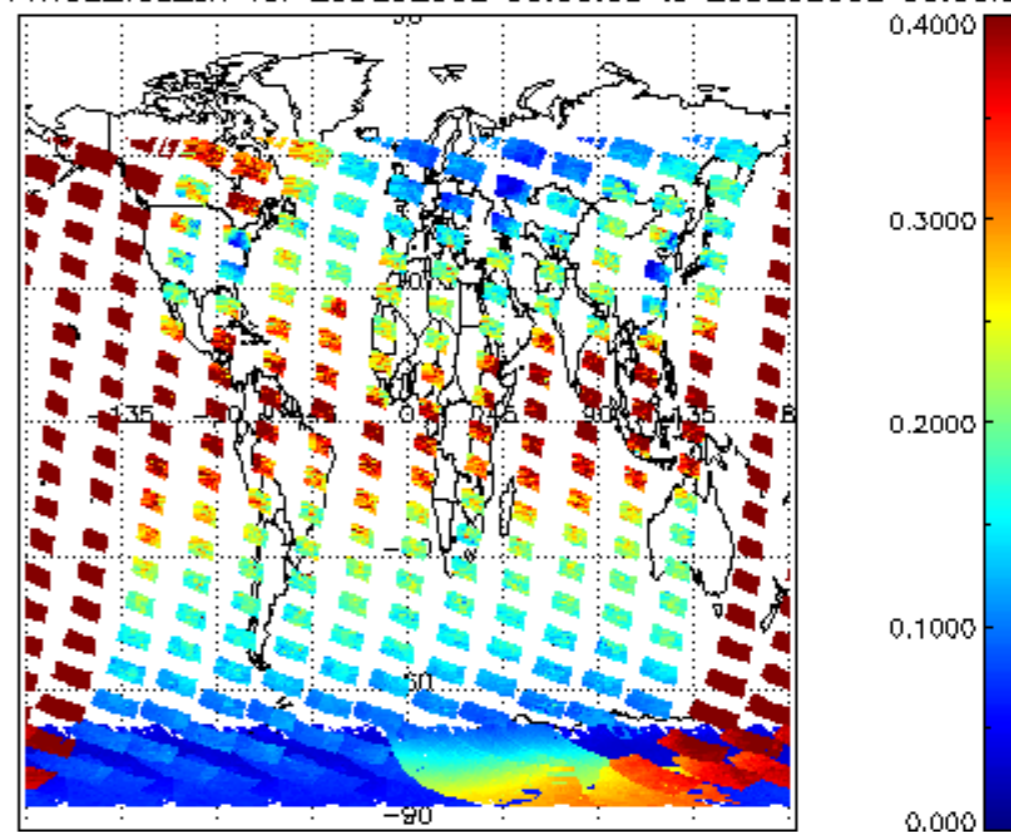




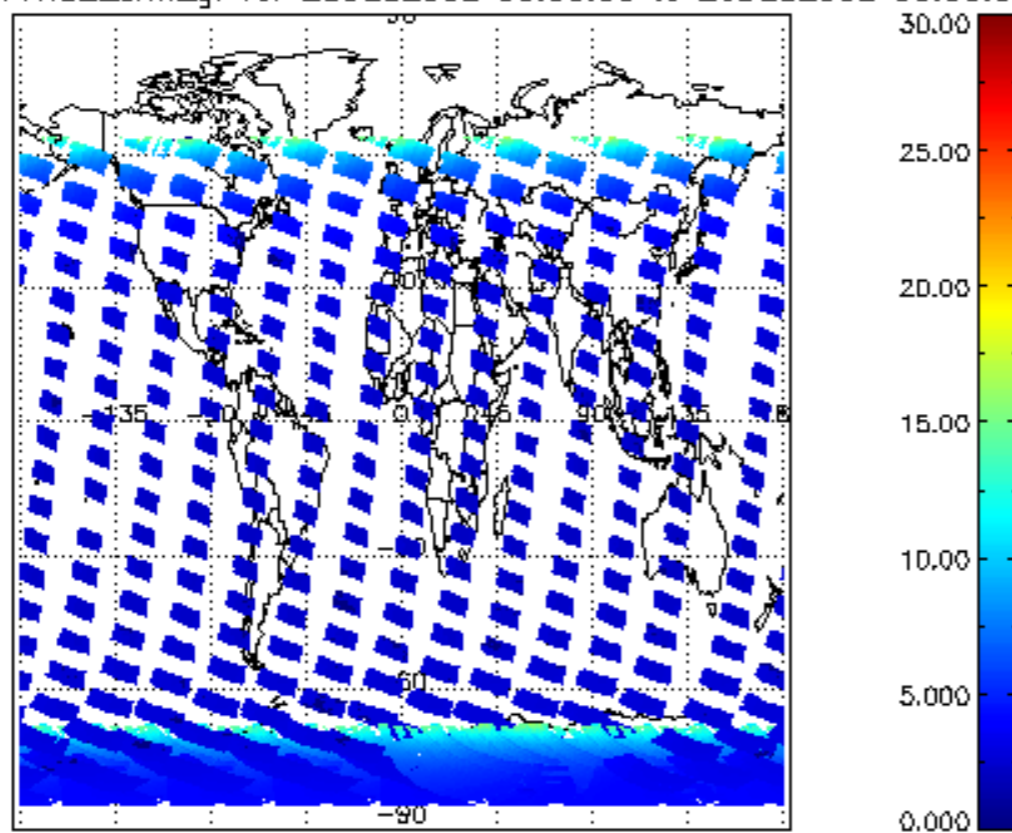
SCIOL2P\_NADUV1NO2\_vcd for 25DEC2002 00:00:00 to 26DEC2002 00:00:00



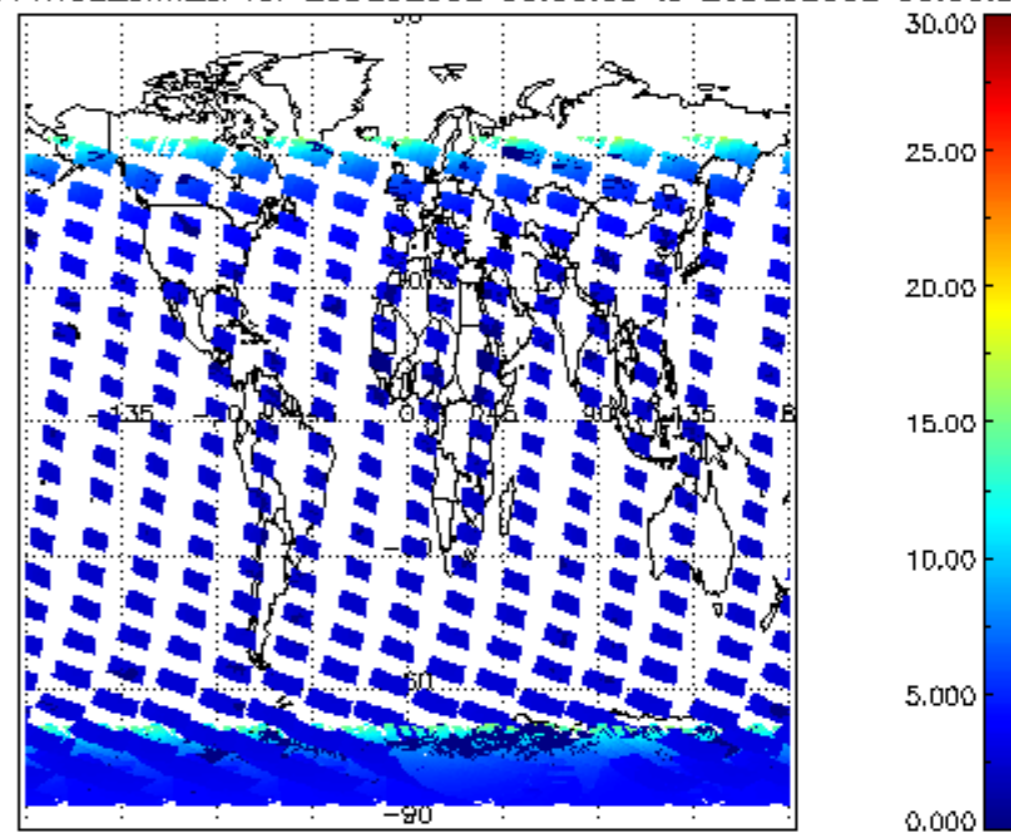
SCIOL2P\_NADUV1NO2\_vcd\_err for 25DEC2002 00:00:00 to 26DEC2002 00:00:00



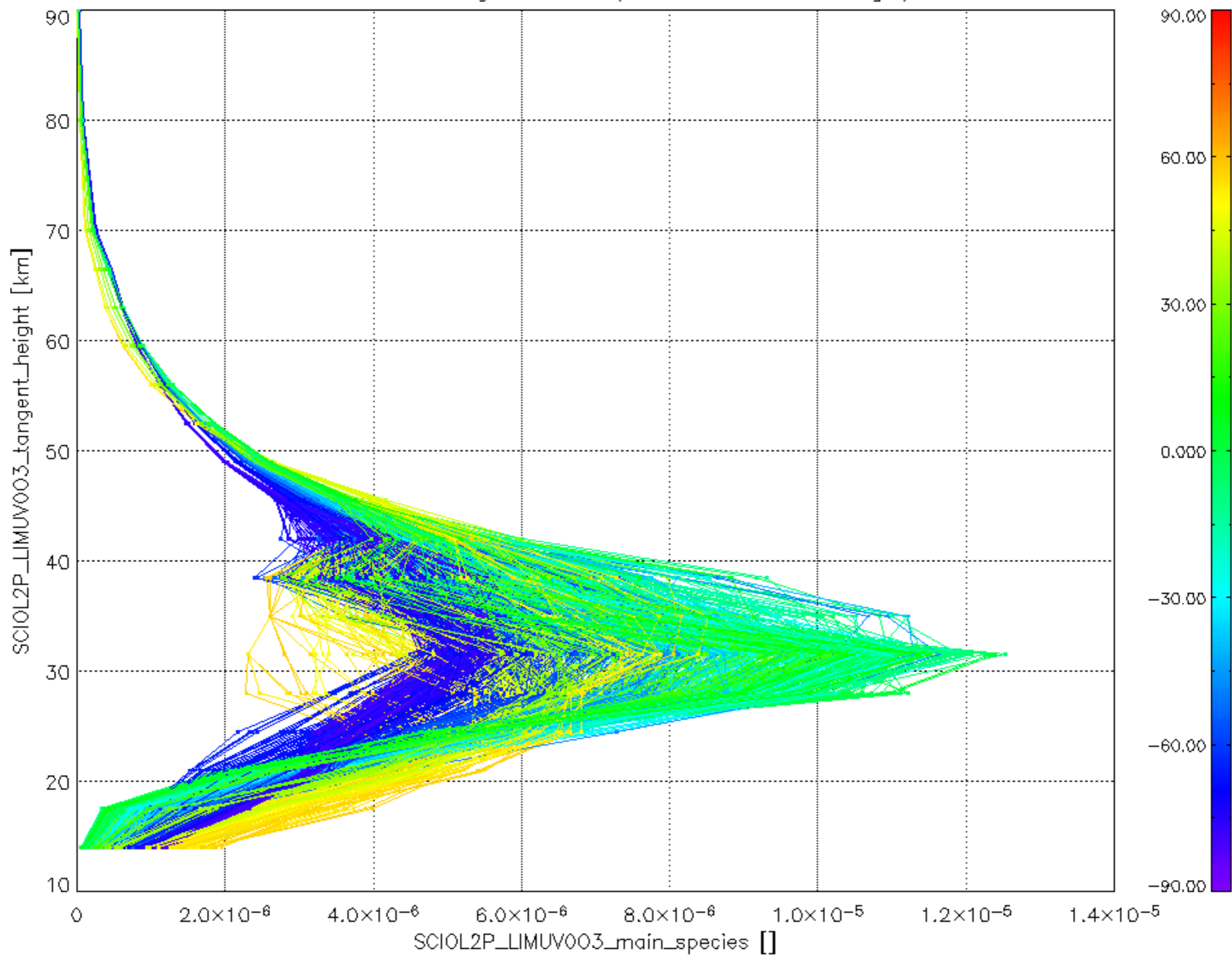
SCIOL2P\_NADUV1NO2\_amf\_gr for 25DEC2002 00:00:00 to 26DEC2002 00:00:00



SCIOL2P\_NADUV1NO2\_amf\_cl for 25DEC2002 00:00:00 to 26DEC2002 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).

