



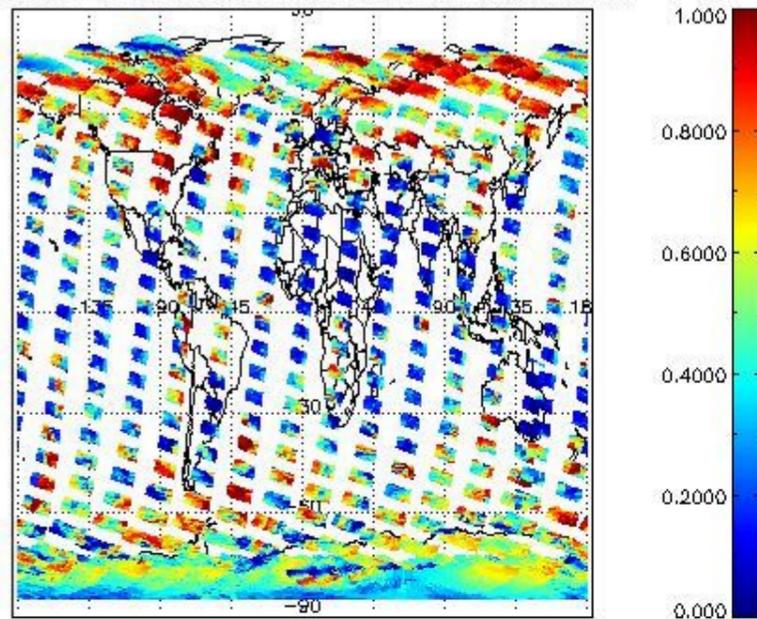
PMD_READ	117125	7.0615	8.0000	4.0000	32.000	3.2067	
PMD_READ_CL[0]	117125	0.36797	0.0000	0.0000	17.000	1.3867	-
PMD_READ_CL[1]	117125	0.24885	0.0000	0.0000	32.000	1.3435	-
CL_TOP_HEIGHT	106692	3.9806	2.4743	0.0000	17.000	3.7256	km
CL_TOP_HEIGHT_ERR	0	---	---	---	---	---	---
CL_OPT_DEPTH	106692	48.044	33.820	0.0000	101.00	37.885	km
CL_OPT_DEPTH_ERR	0	---	---	---	---	---	---
CL_TYPE_FLAGS	117125	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	117125	11000110	11000010	11000000	11100000	2331.0	flags
AERO_ABSO_IND	117125	0.76344	0.53438	-4.4152	11.033	1.1584	
AERO_IND_DIAG	117125	0.0000	0.0000	0.0000	0.0000	0.0000	
AERO_FLAGS	117125	01101000	11000000	00000000	11000000	24483.	flags

Time and geolocation plots:

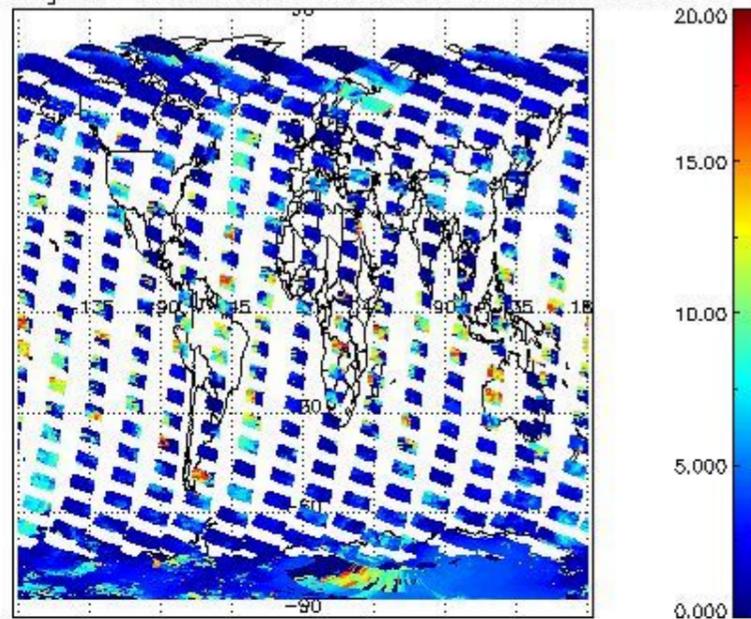
Plots are available for the following parameters:

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

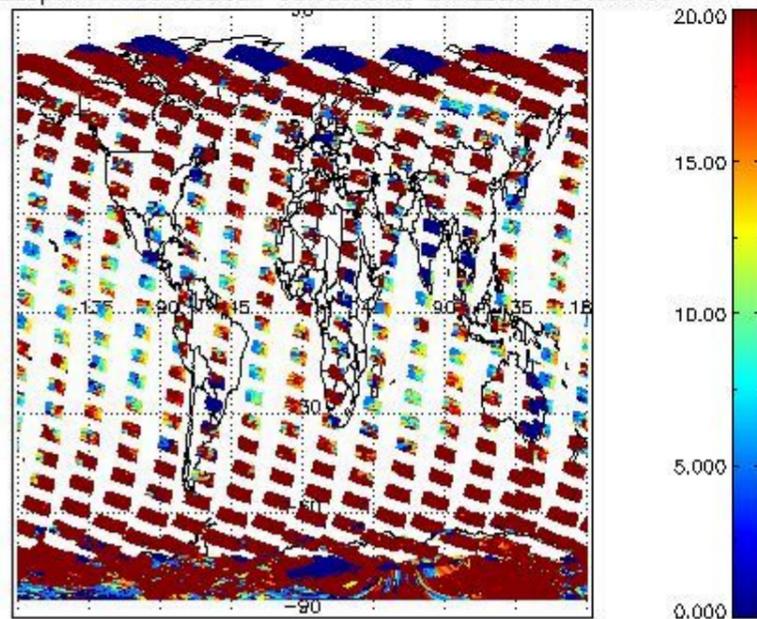
cL\_frac for 20FEB2004 00:00:00 to 21FEB2004 00:00:00



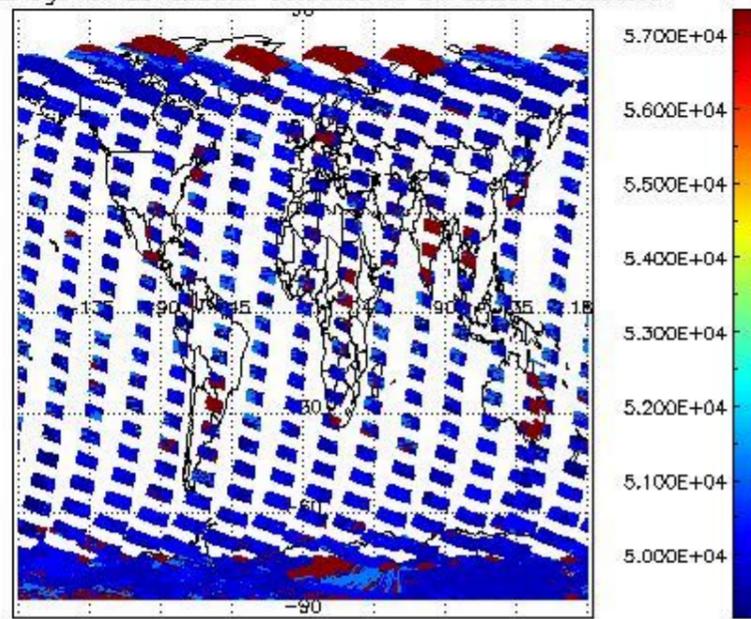
cL\_top\_height for 20FEB2004 00:00:00 to 21FEB2004 00:00:00



cL\_opt\_depth for 20FEB2004 00:00:00 to 21FEB2004 00:00:00



cloud\_flags for 20FEB2004 00:00:00 to 21FEB2004 00:00:00



### 2.2.2 Nadir

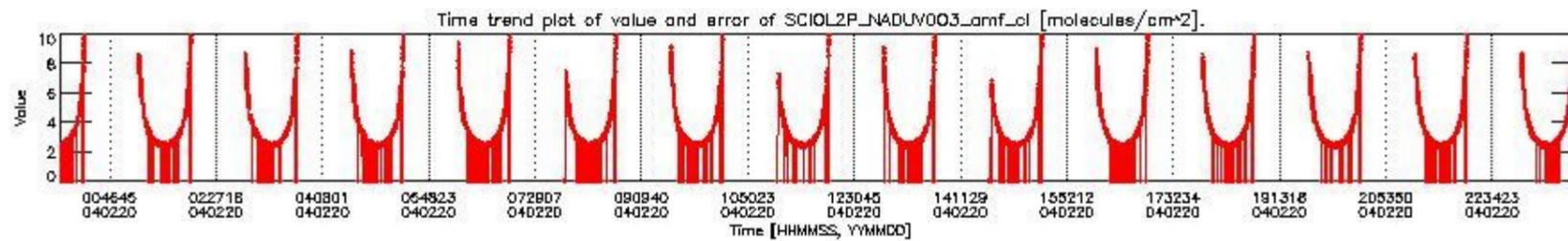
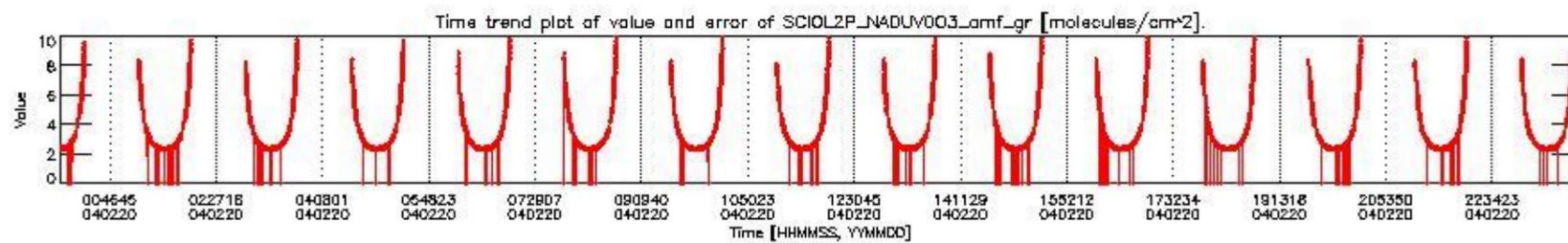
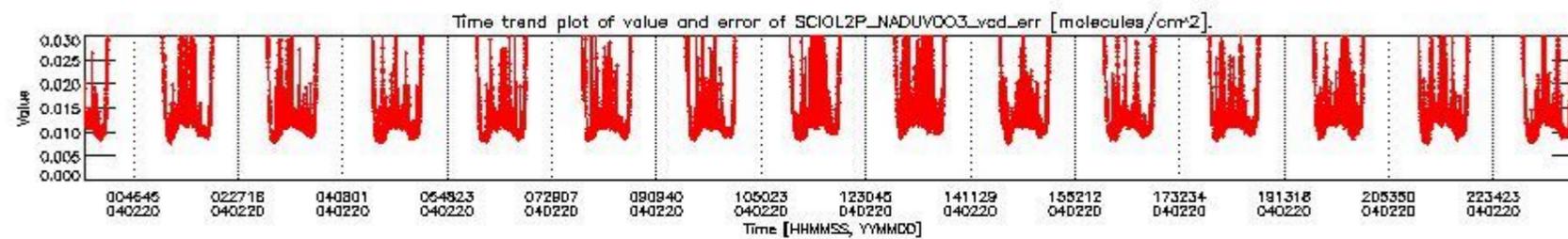
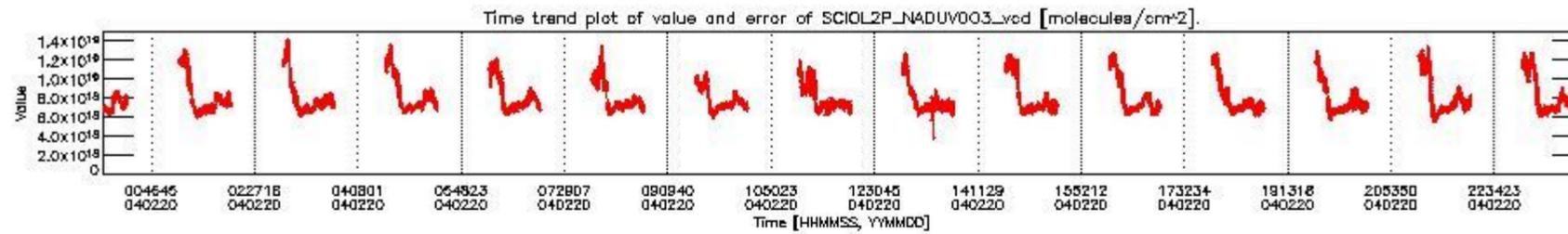
This section shows information about product quality of nadir measurements, in particular the quality of retrieved species.

The following data items are currently included into this section:

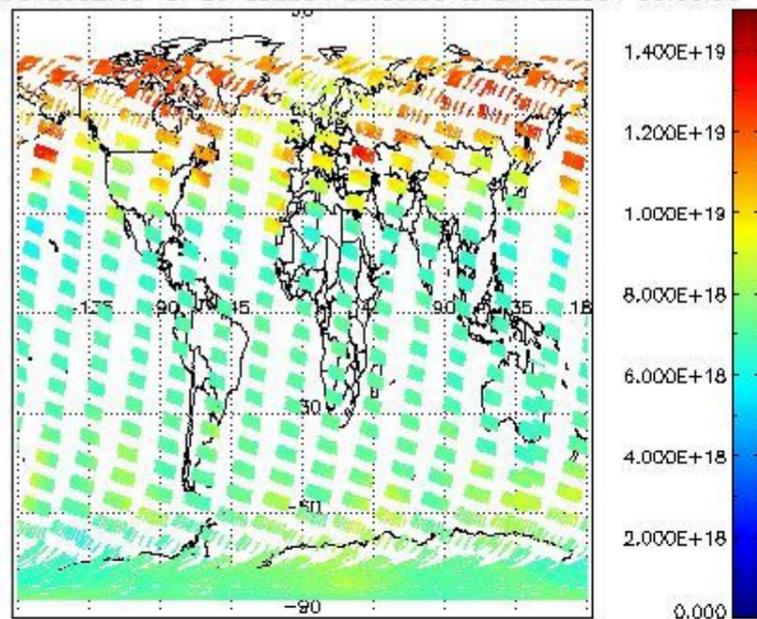
Number	Data item ID
0	SCIOL2P_NADUV003_vcd
1	SCIOL2P_NADUV003_vcd_err
2	SCIOL2P_NADUV003_amf_gr
3	SCIOL2P_NADUV003_amf_cl

4	SCIOL2P_NADUV1NO2_vcd
5	SCIOL2P_NADUV1NO2_vcd_err
6	SCIOL2P_NADUV1NO2_amf_gr
7	SCIOL2P_NADUV1NO2_amf_cl

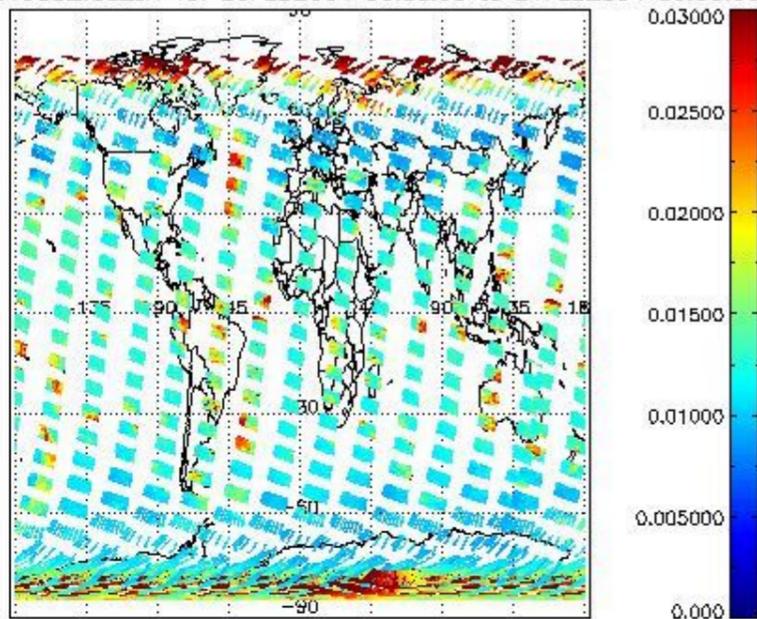
Data is presented both in time trend plots and world map plots, in order to show variations with time and geolocation. The vertical dotted lines in the time trend plots indicate orbits. The orbit times on the X-axis are estimated sensing\_start time as suggested by the product sensing\_start time in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



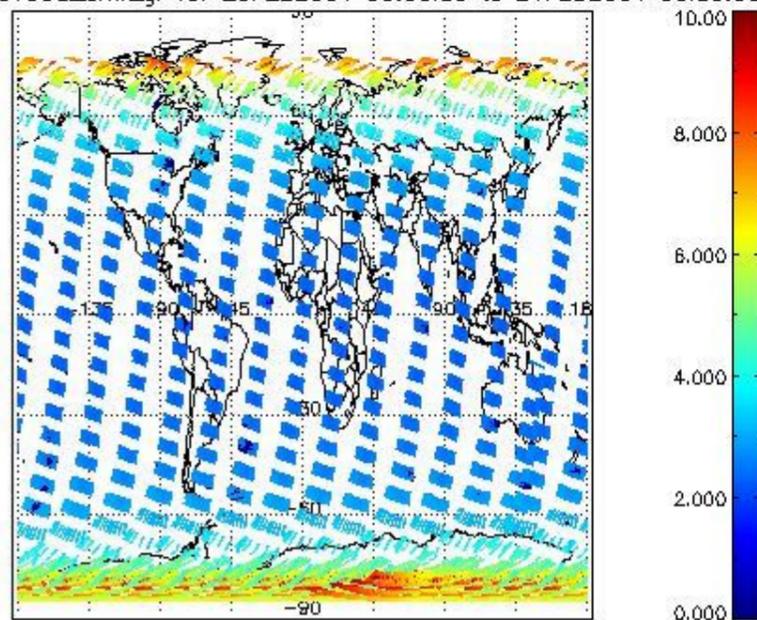
SCIOL2P\_NADUV003\_vcd for 20FEB2004 00:00:00 to 21FEB2004 00:00:00



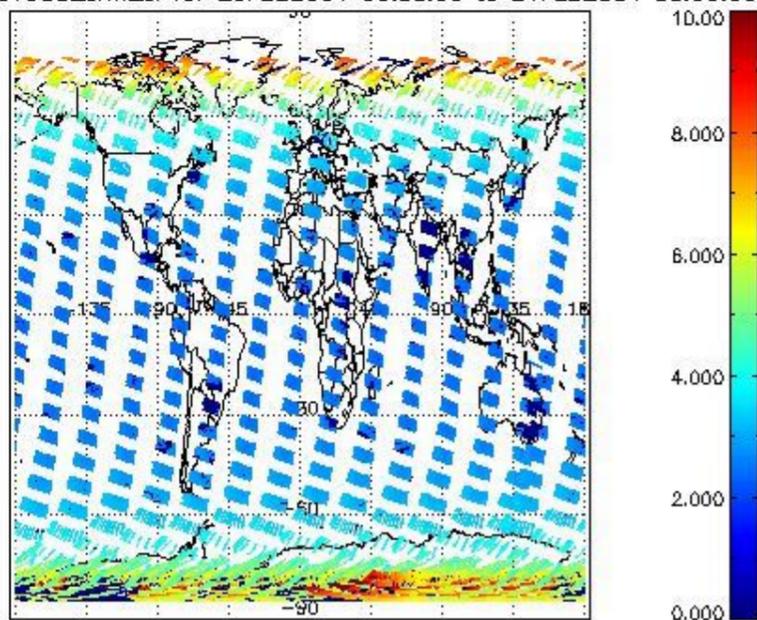
SCIOL2P\_NADUV003\_vcd\_err for 20FEB2004 00:00:00 to 21FEB2004 00:00:00

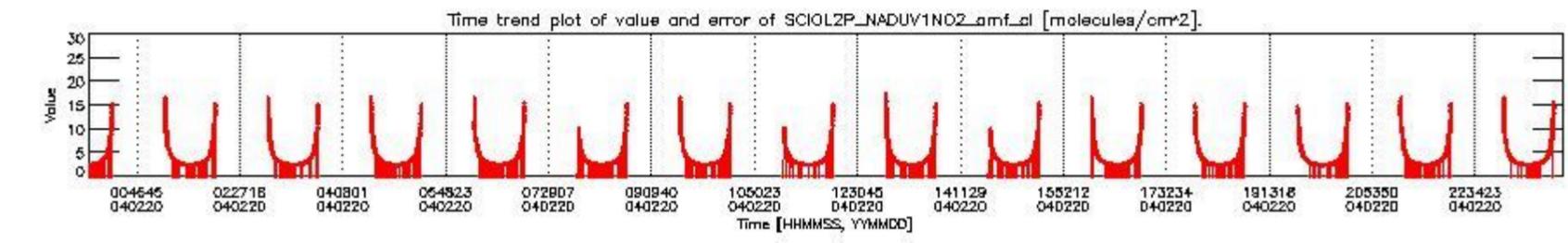
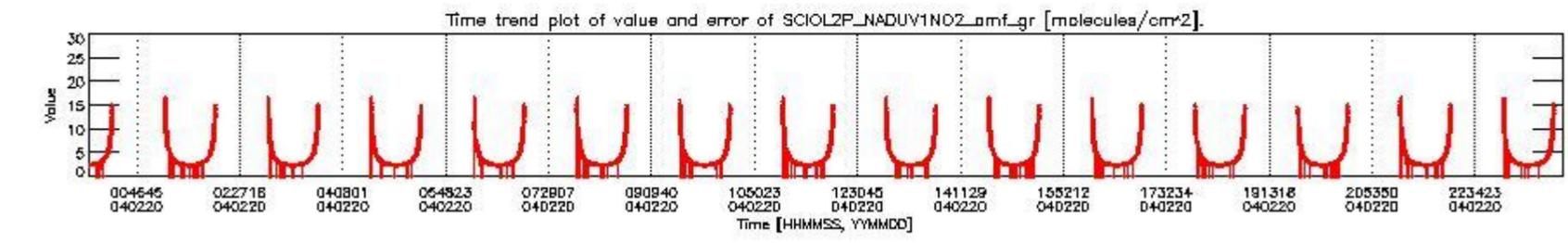
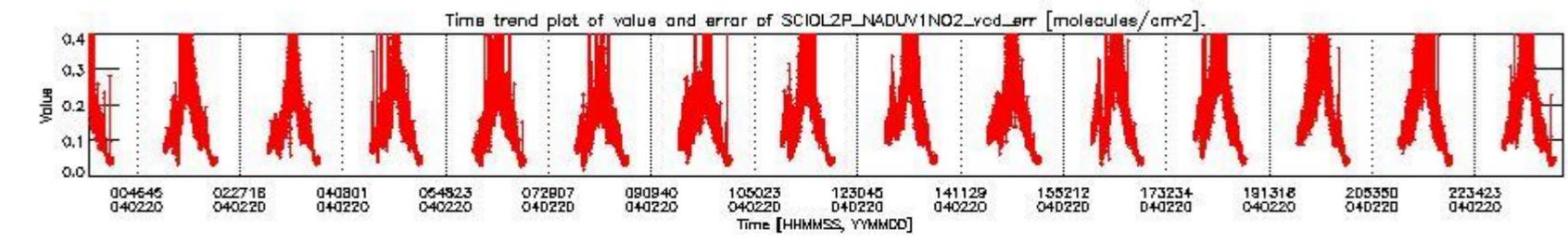
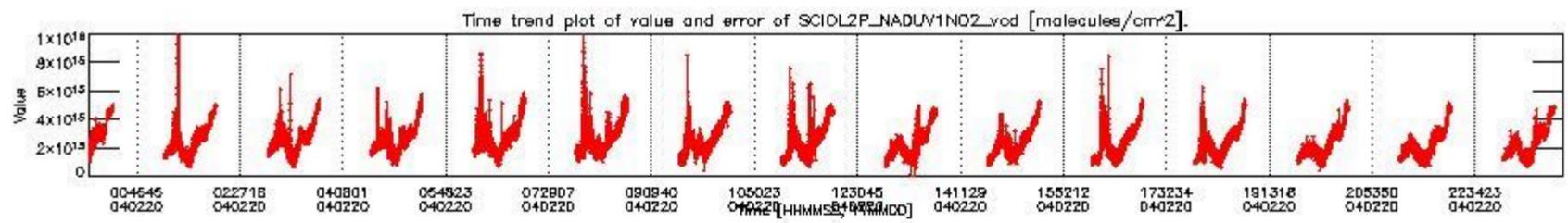


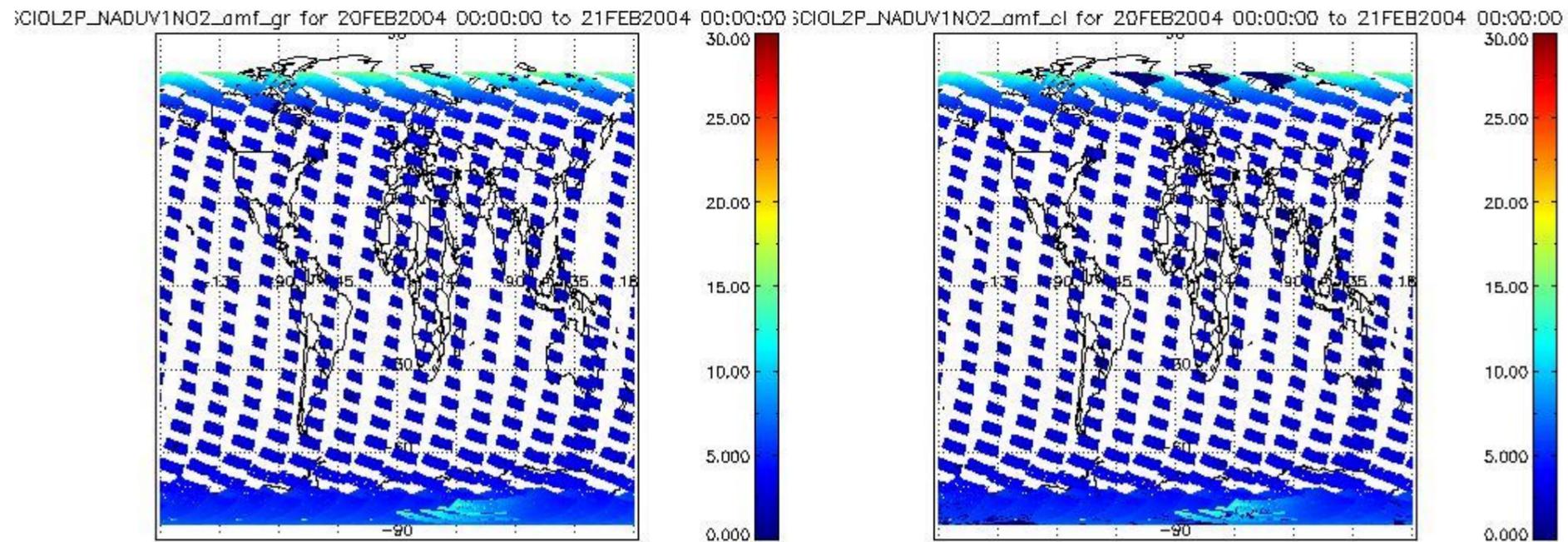
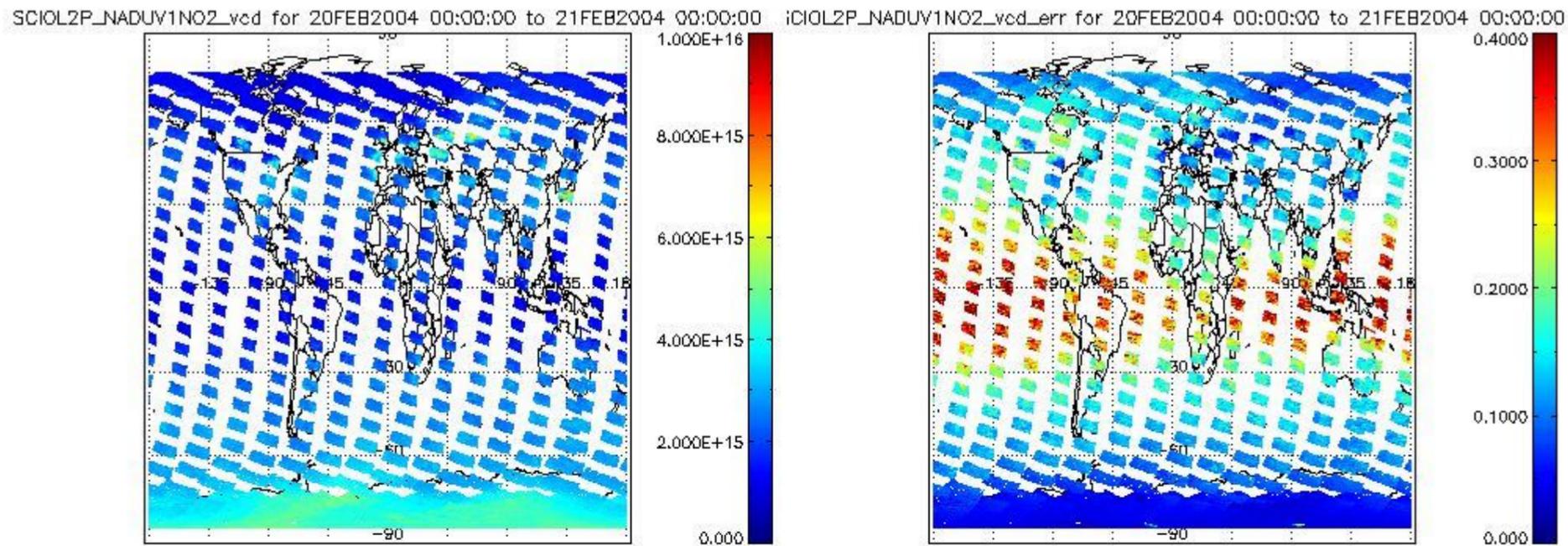
SCIOL2P\_NADUV003\_amf\_gr for 20FEB2004 00:00:00 to 21FEB2004 00:00:00



SCIOL2P\_NADUV003\_amf\_cl for 20FEB2004 00:00:00 to 21FEB2004 00:00:00







### 2.2.3 Limb

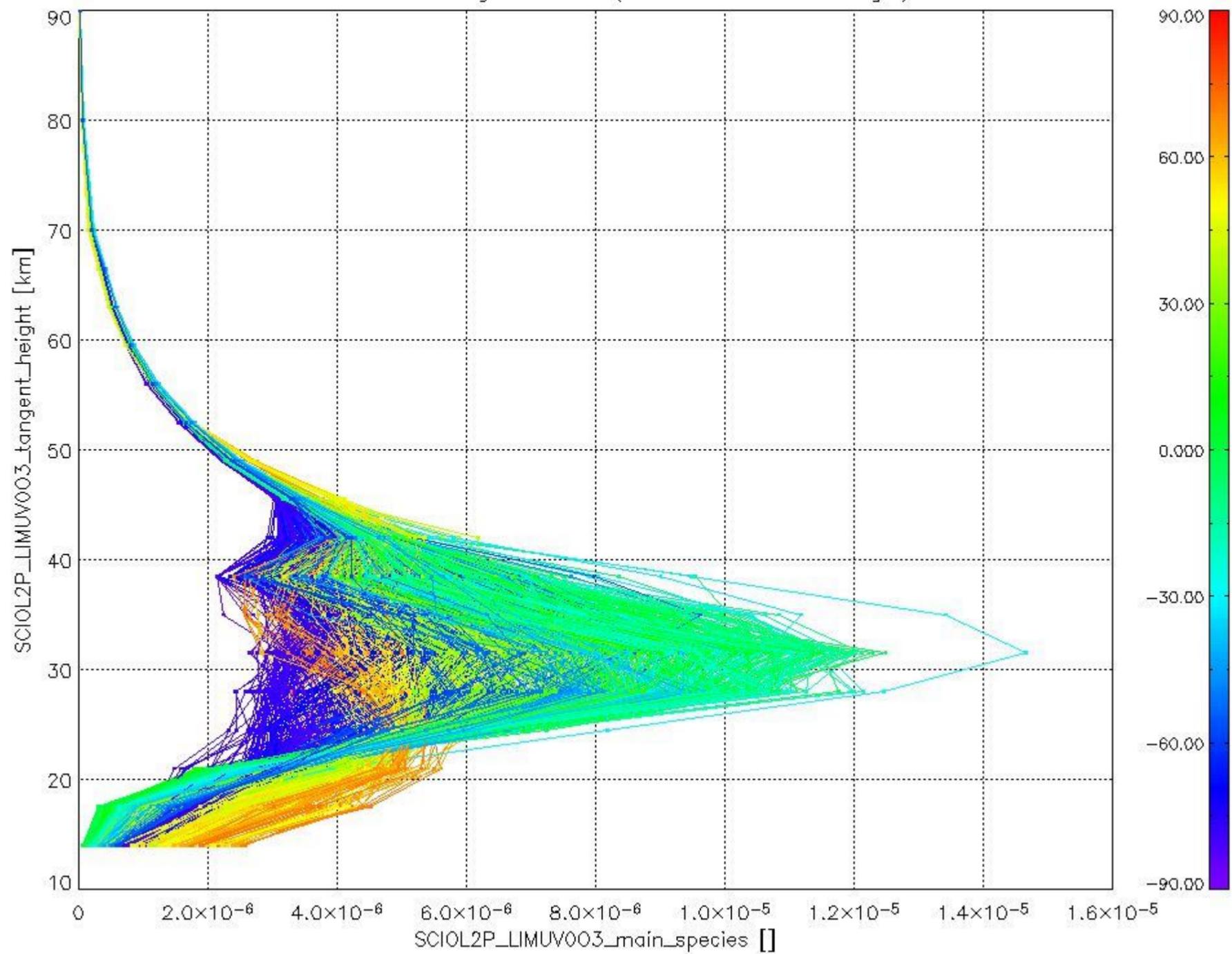
This section shows information about product quality of the limb retrievals, in particular the quality of retrieved species.

The following data items are currently included into this section:

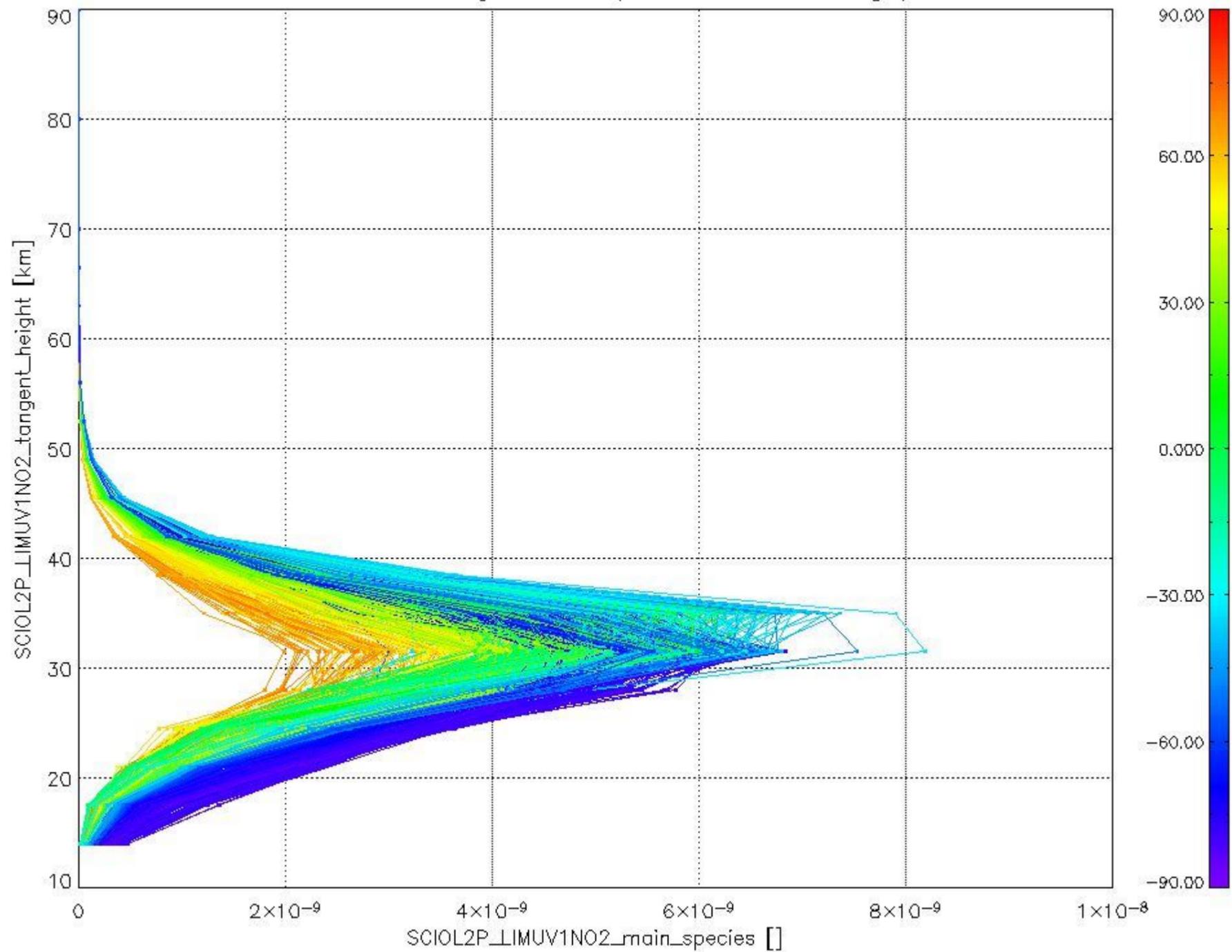
Number	Data item ID
0	SCIOL2PLIMUV003_main_species
1	SCIOL2PLIMUV1NO2_main_species

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).



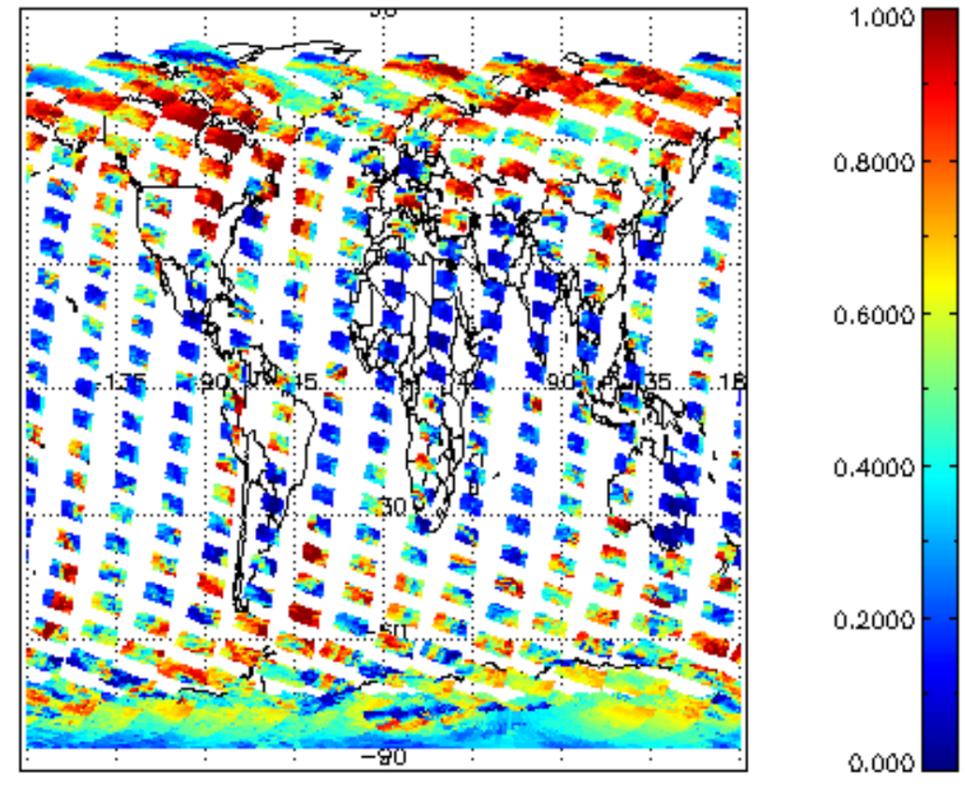
Plot of SCIOL2P\_LIMUV1NO2\_main\_species.tang\_vmr vs. tangent height.  
Colours indicate tangent latitude (see colour bar on the right).



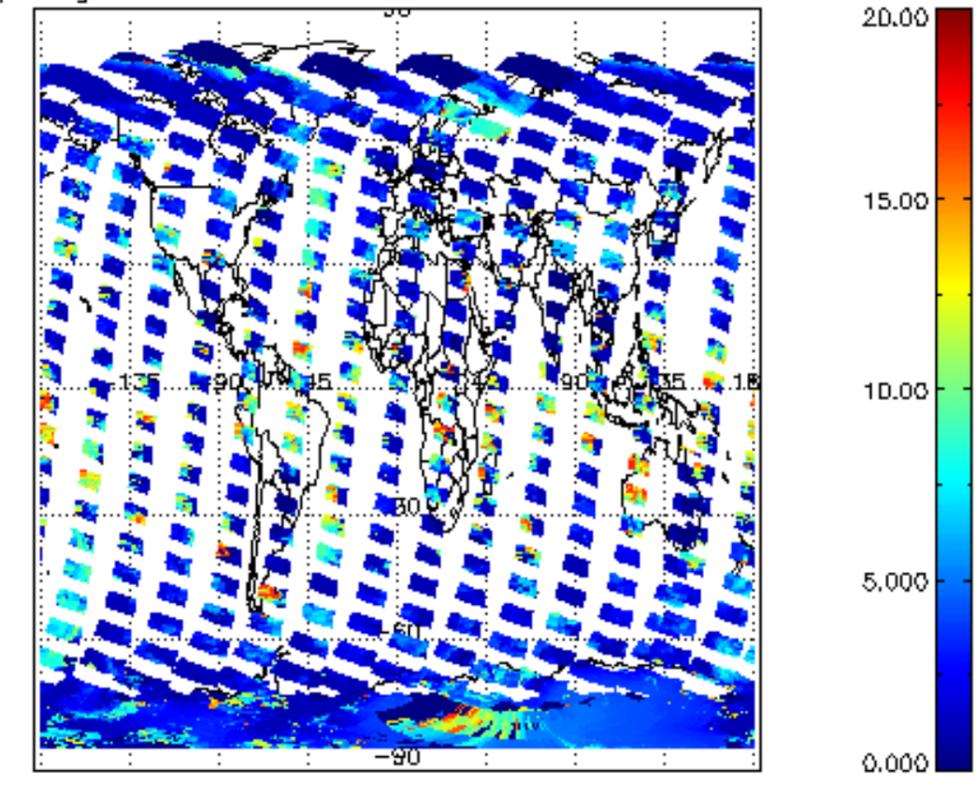
### 2.3 ADF monitoring

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

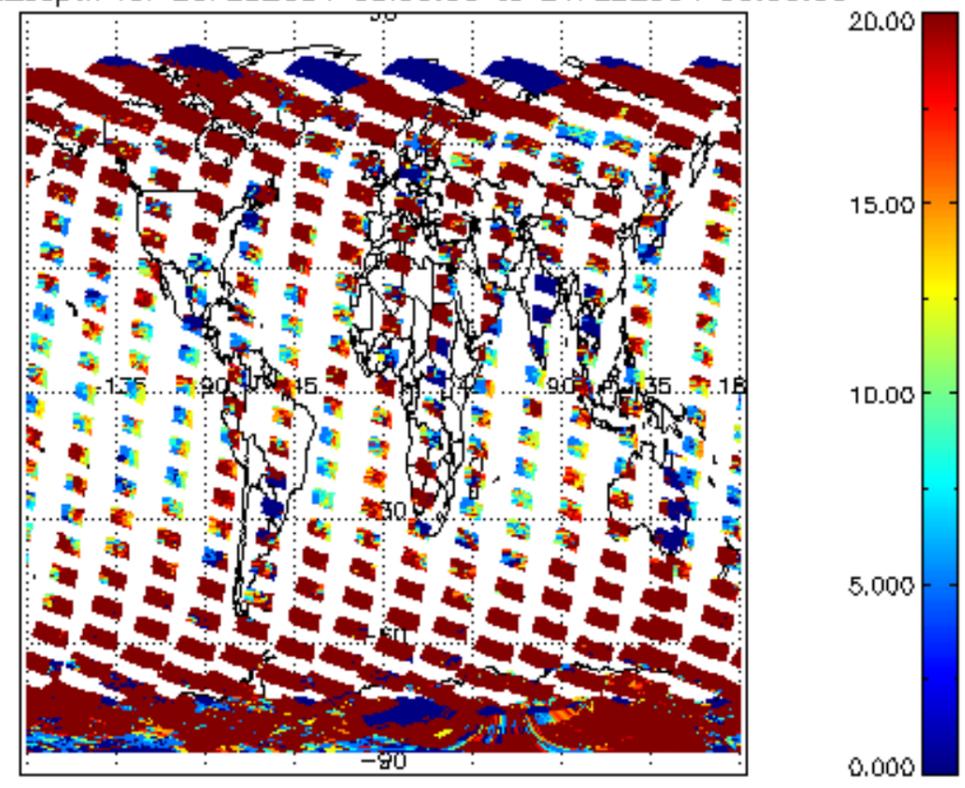
cl\_frac for 20FEB2004 00:00:00 to 21FEB2004 00:00:00



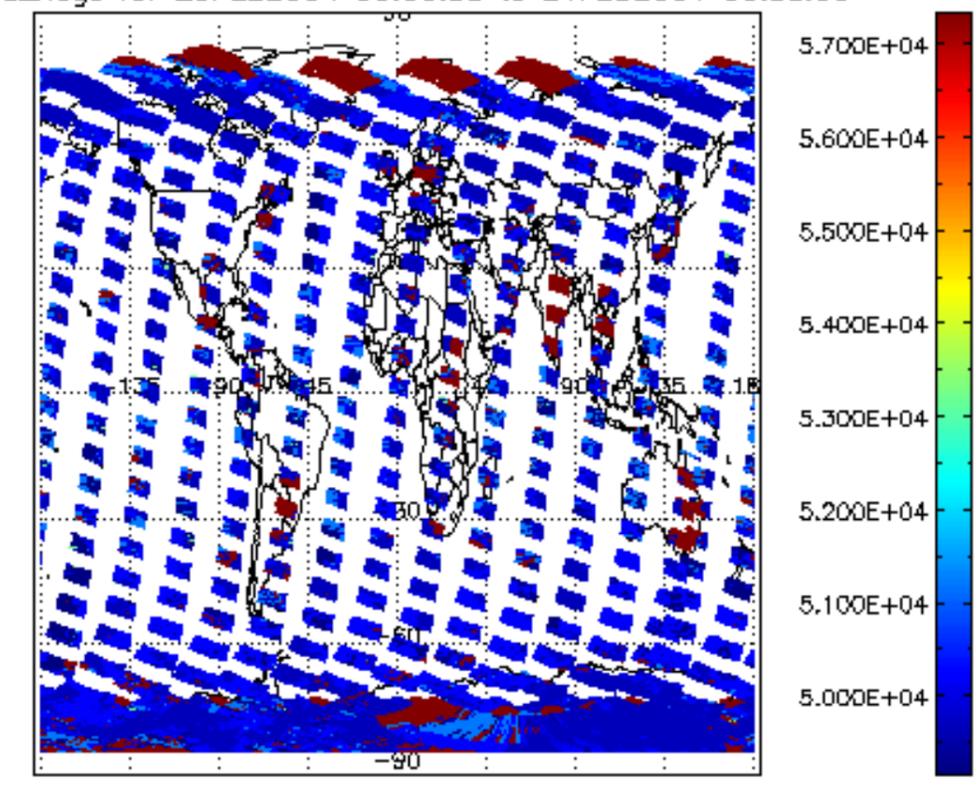
cl\_top\_height for 20FEB2004 00:00:00 to 21FEB2004 00:00:00

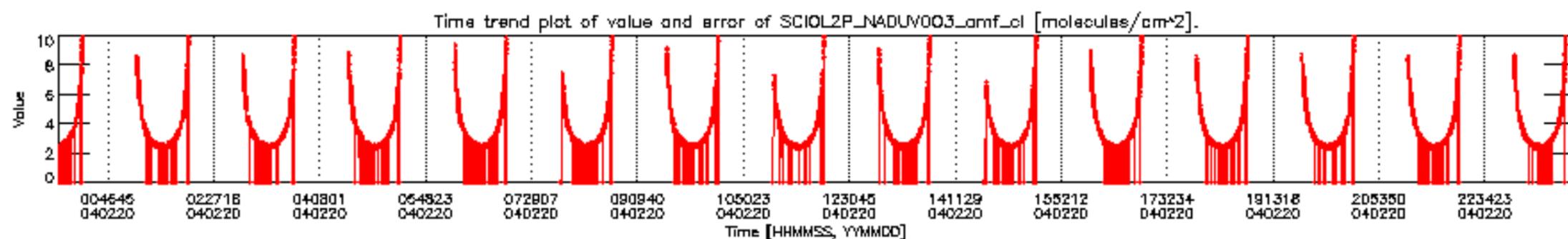
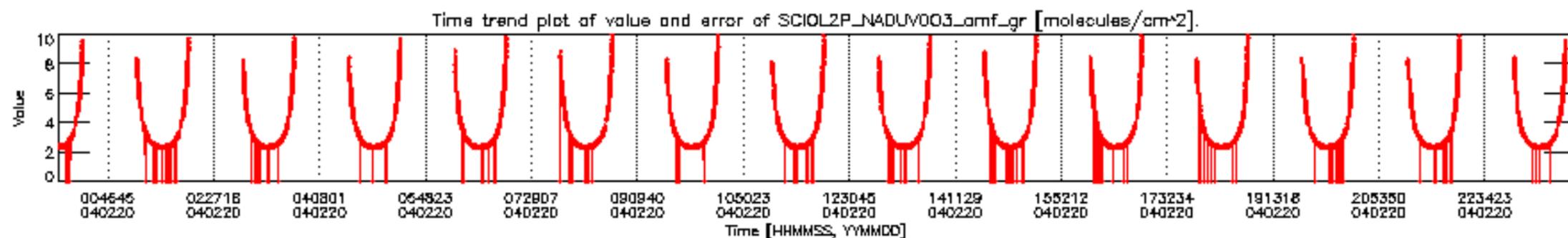
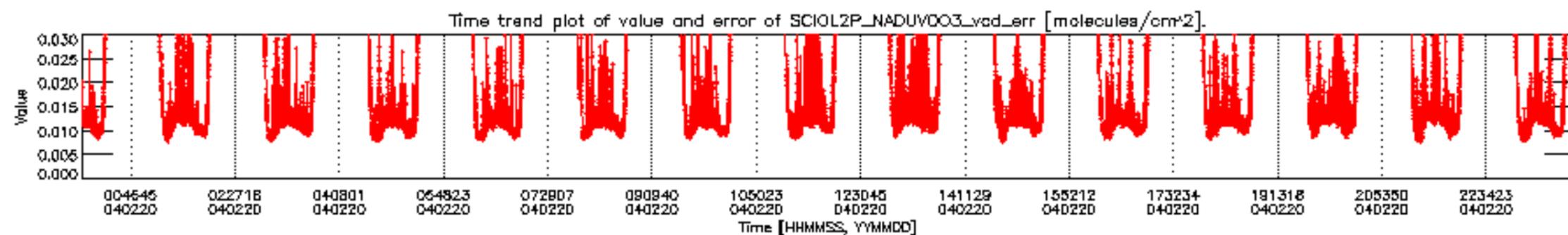
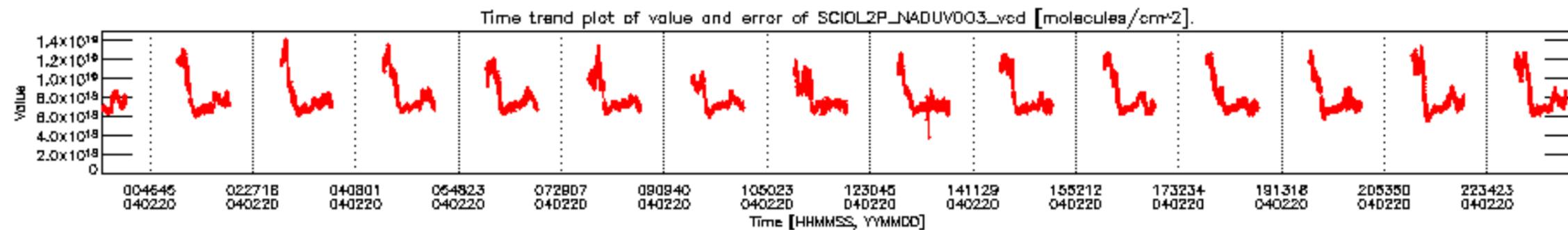


cl\_opt\_depth for 20FEB2004 00:00:00 to 21FEB2004 00:00:00

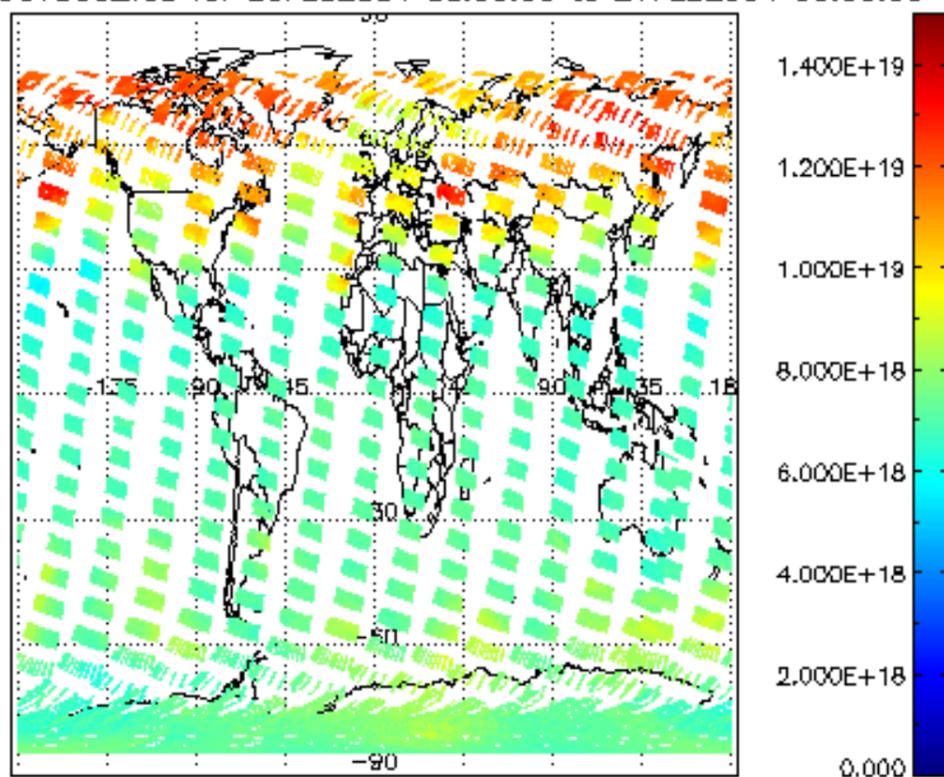


cloud\_flags for 20FEB2004 00:00:00 to 21FEB2004 00:00:00

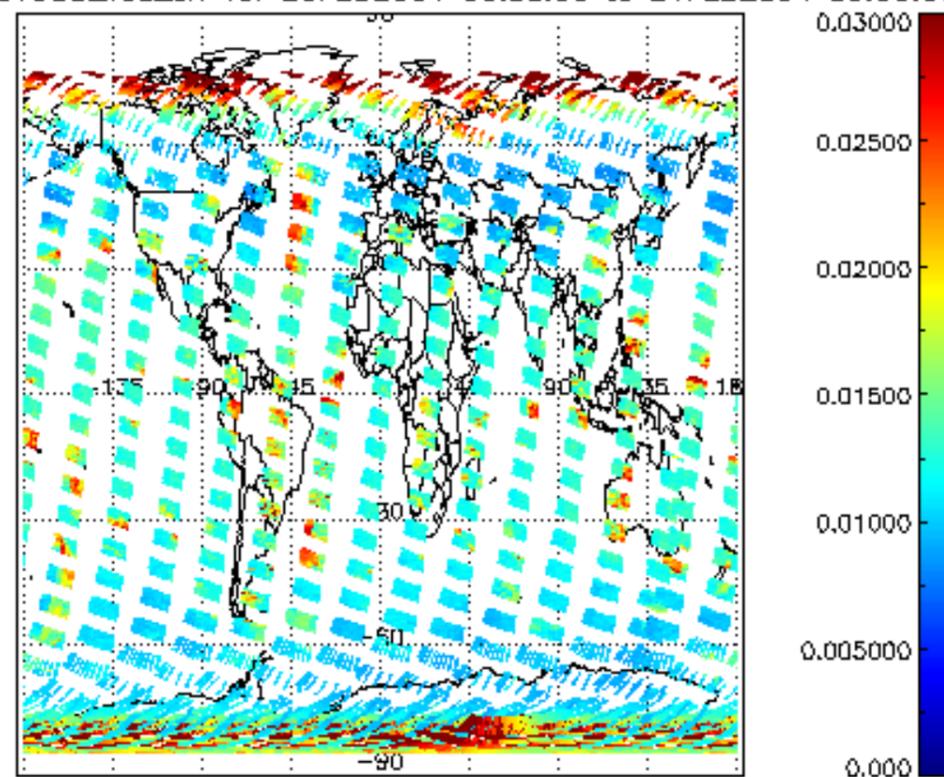




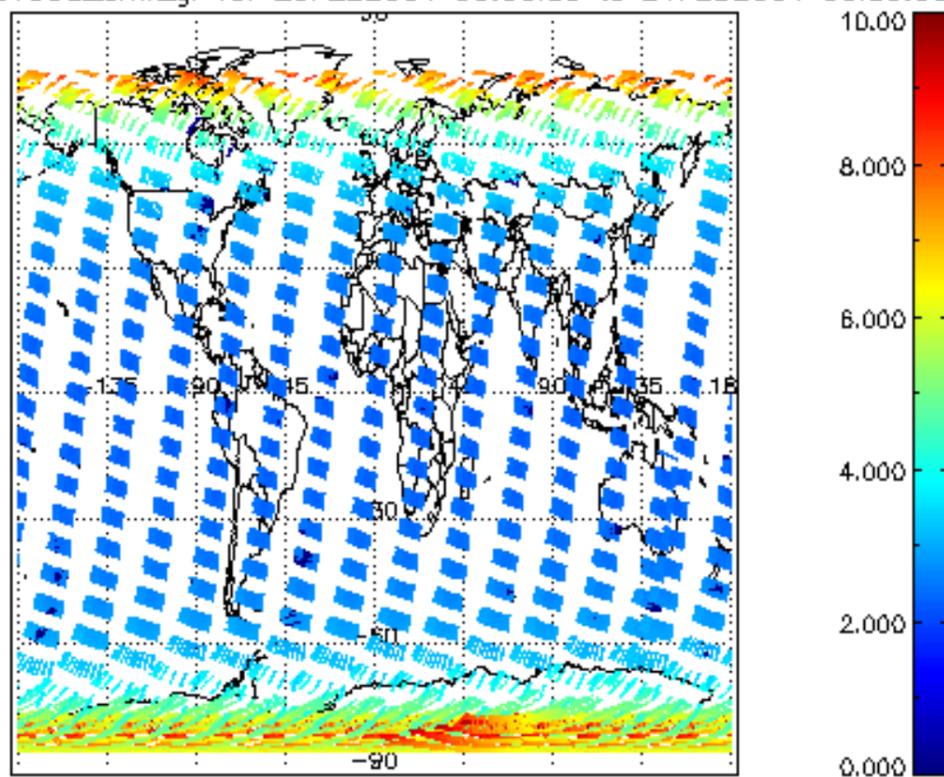
SCIOL2P\_NADUV003\_vcd for 20FEB2004 00:00:00 to 21FEB2004 00:00:00



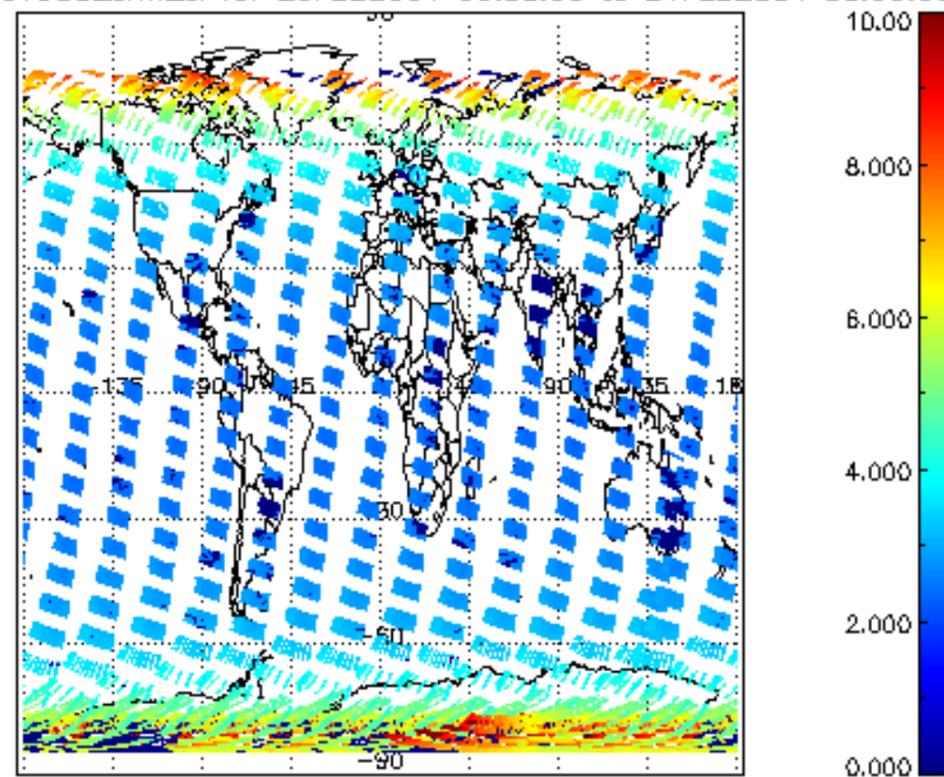
SCIOL2P\_NADUV003\_vcd\_err for 20FEB2004 00:00:00 to 21FEB2004 00:00:00

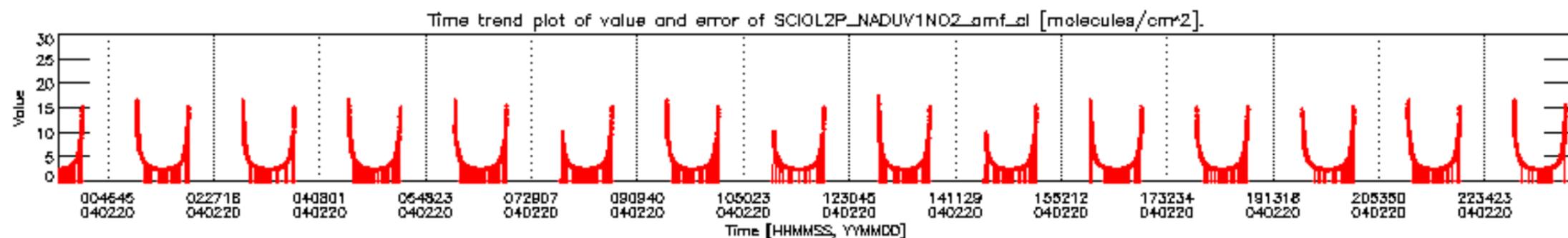
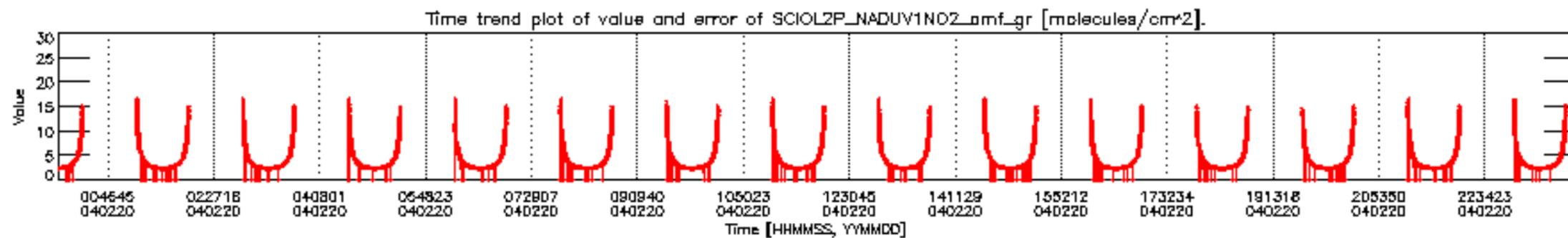
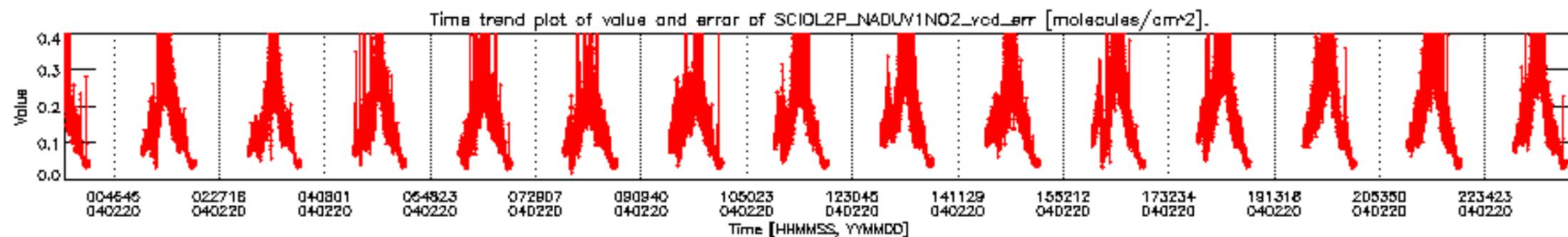
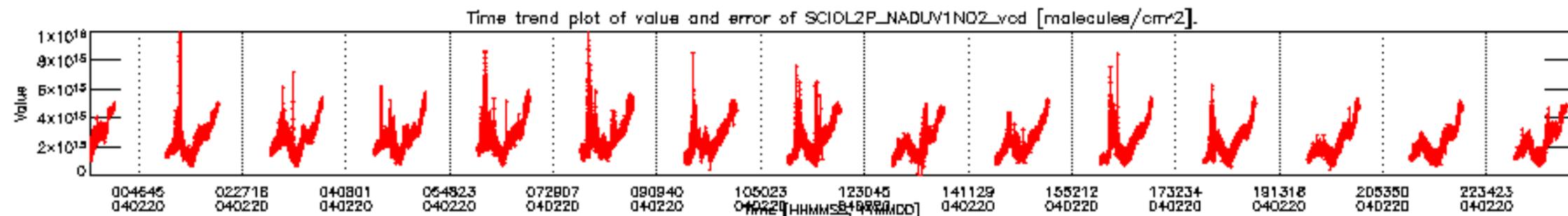


SCIOL2P\_NADUV003\_amf\_gr for 20FEB2004 00:00:00 to 21FEB2004 00:00:00

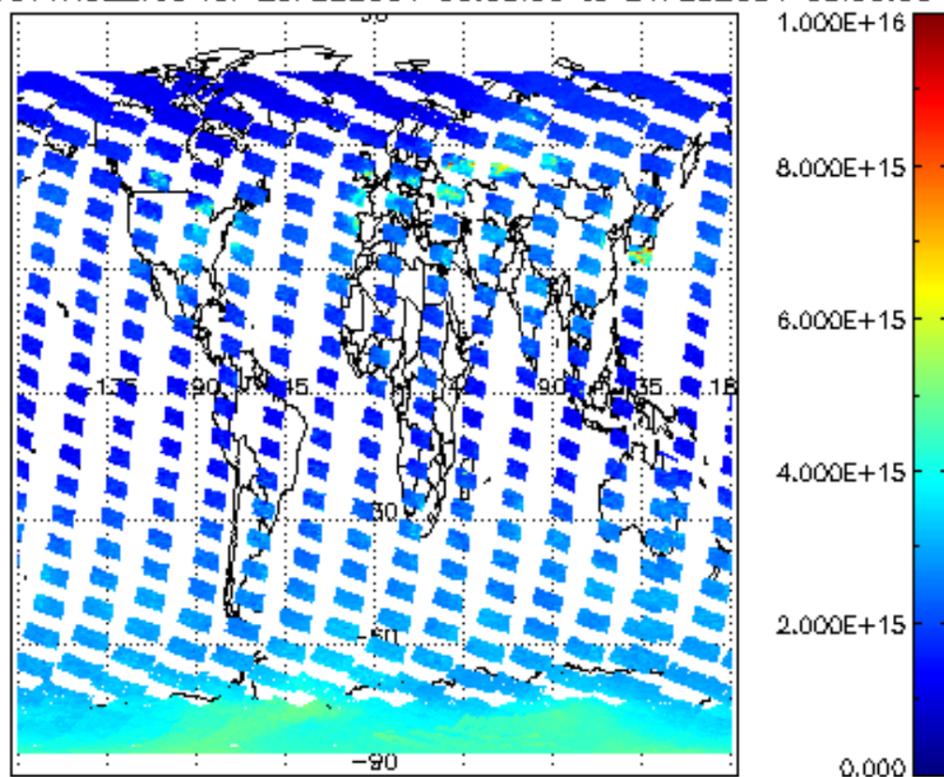


SCIOL2P\_NADUV003\_amf\_cl for 20FEB2004 00:00:00 to 21FEB2004 00:00:00

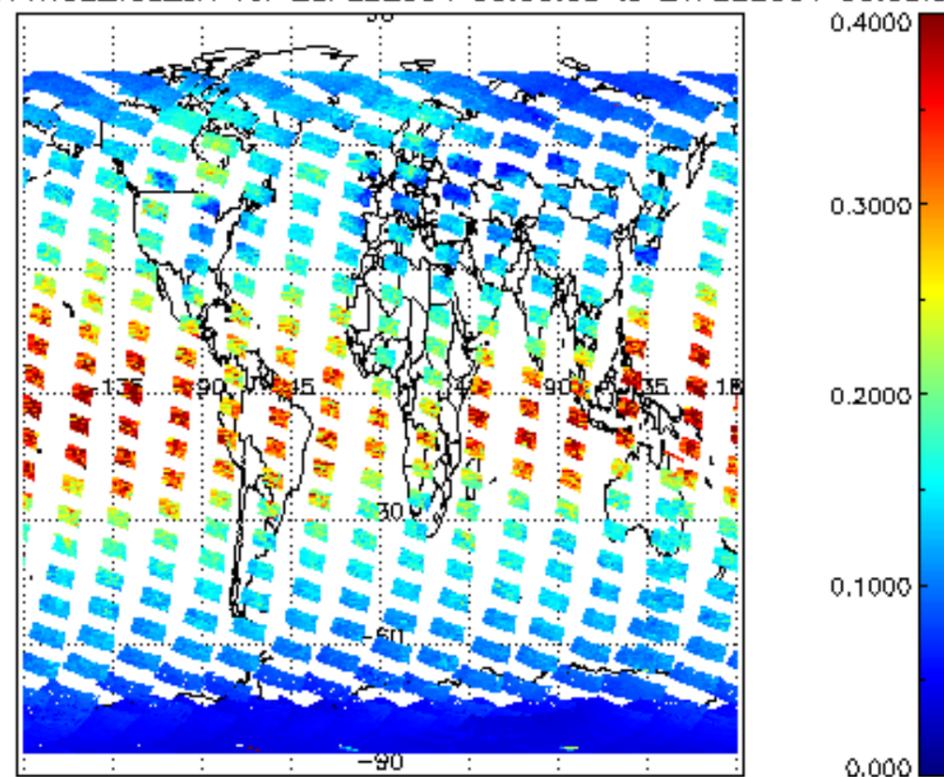




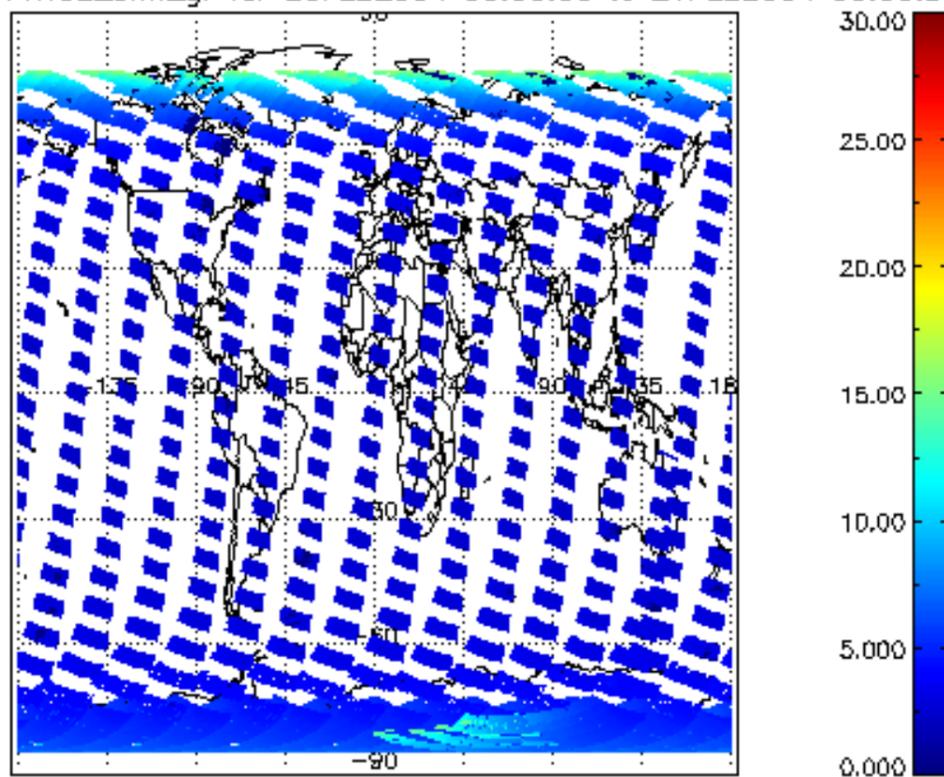
SCIOL2P\_NADUV1NO2\_vcd for 20FEB2004 00:00:00 to 21FEB2004 00:00:00



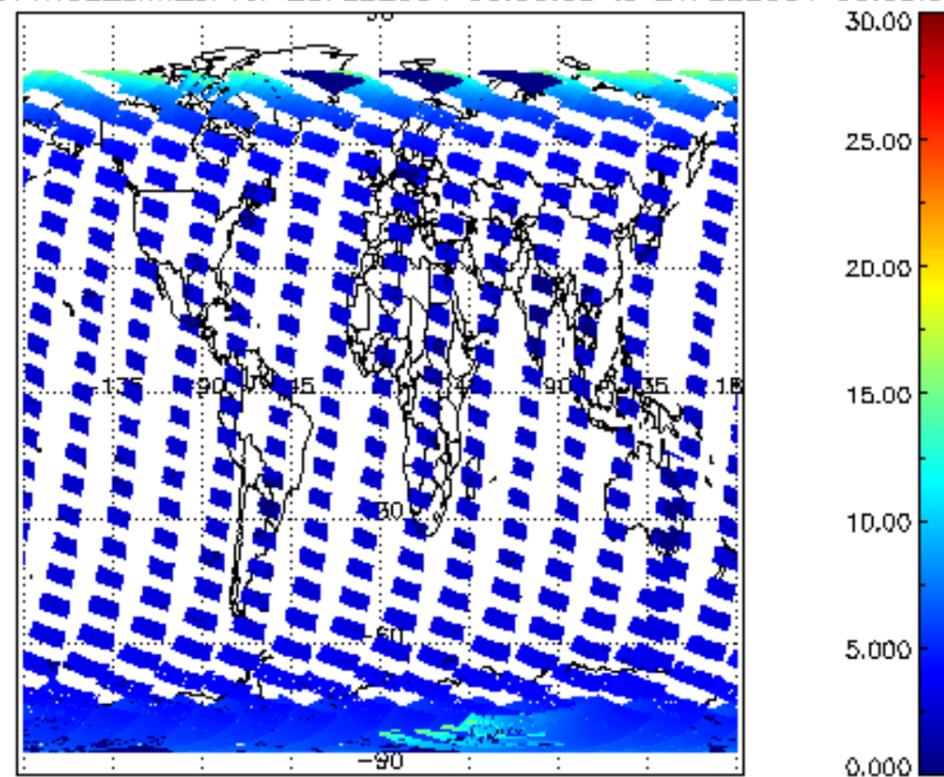
SCIOL2P\_NADUV1NO2\_vcd\_err for 20FEB2004 00:00:00 to 21FEB2004 00:00:00



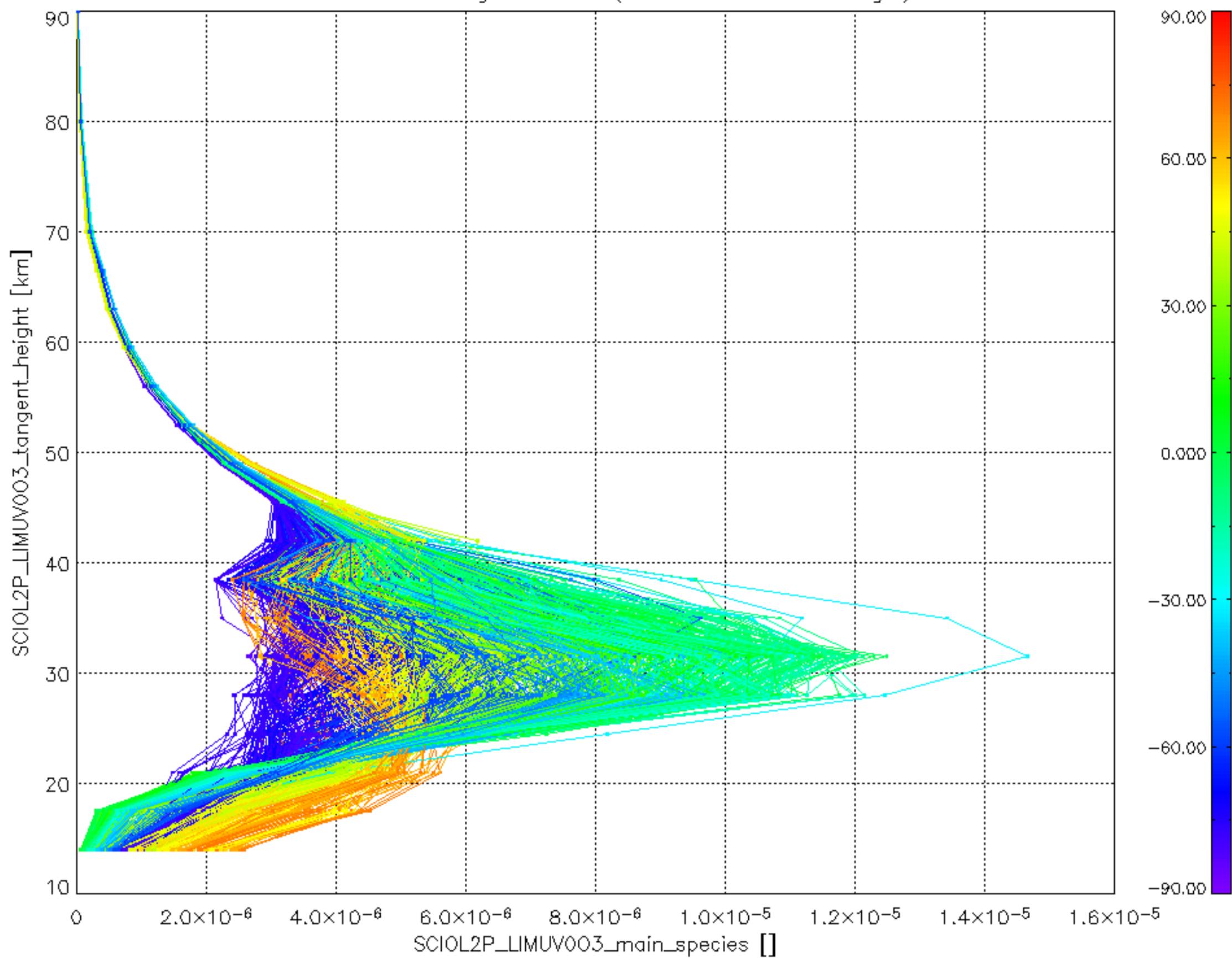
SCIOL2P\_NADUV1NO2\_amf\_gr for 20FEB2004 00:00:00 to 21FEB2004 00:00:00



SCIOL2P\_NADUV1NO2\_amf\_cl for 20FEB2004 00:00:00 to 21FEB2004 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).

