

## 2. SCIAMACHY Daily Report for Level 2 products

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## 2.1 General Info

This report contains a daily analysis on parameters extracted from SCIAMACHY Level 2 data (the SCI\_OL\_\_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	1.13 (28-02-2011)
Time of report generation	24FEB2012 17:27:45
Data source version	SCIA-OL/5.02-W
Processing scope for products	04OCT2002 00:00:00 to 05OCT2002 00:00:00
Start time of first product within scope	04OCT2002 00:04:19
Stop time of last product within scope	05OCT2002 00:30:19
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.

Products are linked to a corresponding server directory for view/download. Note: Link access may be restricted by security settings of your internet browser or firewall.

Products are checked for a minimum duration of 3500.0000 seconds and a maximum duration of 6000.0000 seconds. Products failing the duration test are highlighted in bold, and their stop time is highlighted in red.

#	Product name	Start time	Stop time	Prod err	Fit summary
0	<a href="#">SCI_OL__2PWDP A20021004_000419_000034492010_00045_03105_1968.N1</a>	04OCT2002 00:04:19	04OCT2002 01:01:48	0	GOOD
1	<a href="#">SCI_OL__2PWDP A20021004_014455_000035332010_00046_03106_1969.N1</a>	04OCT2002 01:44:55	04OCT2002 02:43:48	0	GOOD
2	<a href="#">SCI_OL__2PWDP A20021004_032531_000034492010_00047_03107_1970.N1</a>	04OCT2002 03:25:31	04OCT2002 04:23:01	0	GOOD
3	<a href="#">SCI_OL__2PWDP A20021004_050608_000035332010_00048_03108_1971.N1</a>	04OCT2002 05:06:08	04OCT2002 06:05:01	0	GOOD
4	<a href="#">SCI_OL__2PWDP A20021004_064644_000034492010_00049_03109_1972.N1</a>	04OCT2002 06:46:44	04OCT2002 07:44:14	0	GOOD

5	SCI_OL__2PWDP A20021004_082721_000035332010_00050_03110_1973.N1	04OCT2002 08:27:21	04OCT2002 09:26:14	0	GOOD
6	SCI_OL__2PWDP A20021004_100757_000034492010_00051_03111_1974.N1	04OCT2002 10:07:57	04OCT2002 11:05:27	0	GOOD
7	SCI_OL__2PWDP A20021004_114834_000035332010_00052_03112_1975.N1	04OCT2002 11:48:34	04OCT2002 12:47:27	0	GOOD
8	SCI_OL__2PWDP A20021004_132910_000034492010_00053_03113_1976.N1	04OCT2002 13:29:10	04OCT2002 14:26:40	0	GOOD
9	SCI_OL__2PWDP A20021004_150947_000035332010_00054_03114_1977.N1	04OCT2002 15:09:47	04OCT2002 16:08:40	0	GOOD
10	SCI_OL__2PWDP A20021004_165023_000034492010_00055_03115_1978.N1	04OCT2002 16:50:23	04OCT2002 17:47:53	0	GOOD
11	SCI_OL__2PWDP A20021004_183131_000035142010_00056_03116_1979.N1	04OCT2002 18:31:31	04OCT2002 19:30:05	0	GOOD
12	SCI_OL__2PWDP A20021004_201156_000034492010_00057_03117_1980.N1	04OCT2002 20:11:56	04OCT2002 21:09:26	0	GOOD
13	SCI_OL__2PWDP A20021004_215213_000034492010_00058_03118_1981.N1	04OCT2002 21:52:13	04OCT2002 22:49:42	0	GOOD
14	SCI_OL__2PWDP A20021004_233249_000034492010_00059_03119_1982.N1	04OCT2002 23:32:49	05OCT2002 00:30:19	0	GOOD

## 2.2 Product Quality Indicators

### 2.2.1 Cloud parameters

This section shows information about the cloud parameters estimation, in particular cloud fractions and cloud top height. IMPORTANT NOTE: The contents and layout of this section are still being validated. Please use with caution.

#### General statistics:

Total number of cloud data DSRs: 112493

Total number of cloud data DSRs with good quality flag (=0): 112493 (100.0 %)

Parameter	#valid	Mean	Median	Min	Max	Stddev	Unit
QUALITY_FLAG	112493	0.0000	0.0000	0.0000	0.0000	0.0000	
INTEGR_TIME	112493	0.22209	0.25000	0.12500	1.0000	0.098542	s
CL_FRAC	112493	0.41893	0.39298	0.0000	1.0000	0.33248	
CL_FRAC_ERR	112493	0.0000	0.0000	0.0000	0.0000	0.0000	%
PMD_READ	112493	7.1068	8.0000	4.0000	32.000	3.1533	
PMD_READ_CL[0]	112493	0.76755	0.0000	0.0000	32.000	1.9830	-
PMD_READ_CL[1]	112493	1.7379	0.0000	0.0000	28.000	2.8925	-
CL_TOP_HEIGHT	100120	3.2185	1.7045	0.0000	17.000	3.6110	km
CL_TOP_HEIGHT_ERR	0	---	---	---	---	---	---
CL_OPT_DEPTH	100120	53.584	45.073	0.0000	101.00	40.721	km
CL_OPT_DEPTH_ERR	0	---	---	---	---	---	---
CL_TYPE_FLAGS	112493	11100000	11100000	11100000	11100000	0.0000	
CLOUD_FLAGS	112493	11001010	11000100	11000000	11100000	3303.5	
AERO_ABSO_IND	112493	0.16259	0.0000	0.0000	5.9906	0.40751	
AERO_IND_DIAG	112493	0.0000	0.0000	0.0000	0.0000	0.0000	
AERO_FLAGS	112493	01101100	11000000	00000000	11000000	24383.	

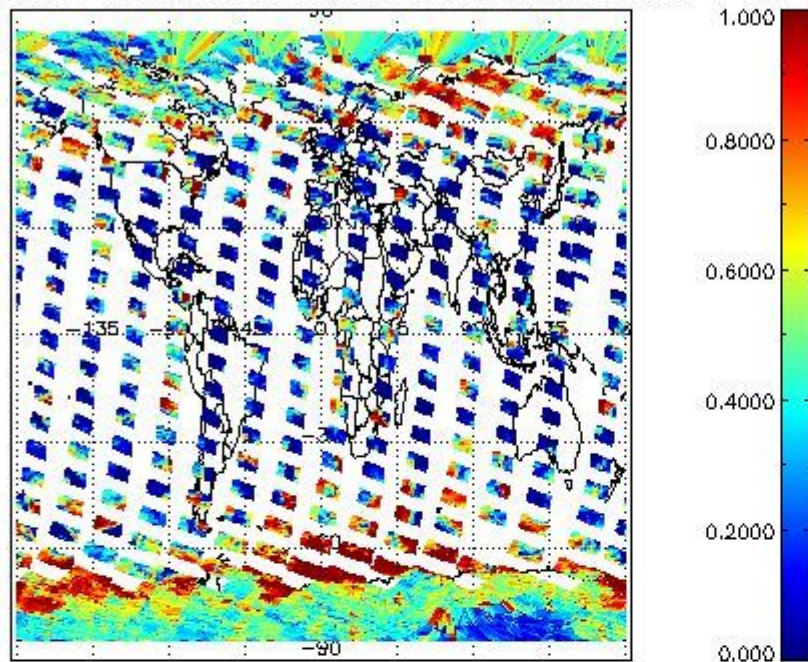
#### Time and geolocation plots:

Plots are available for the following parameters:

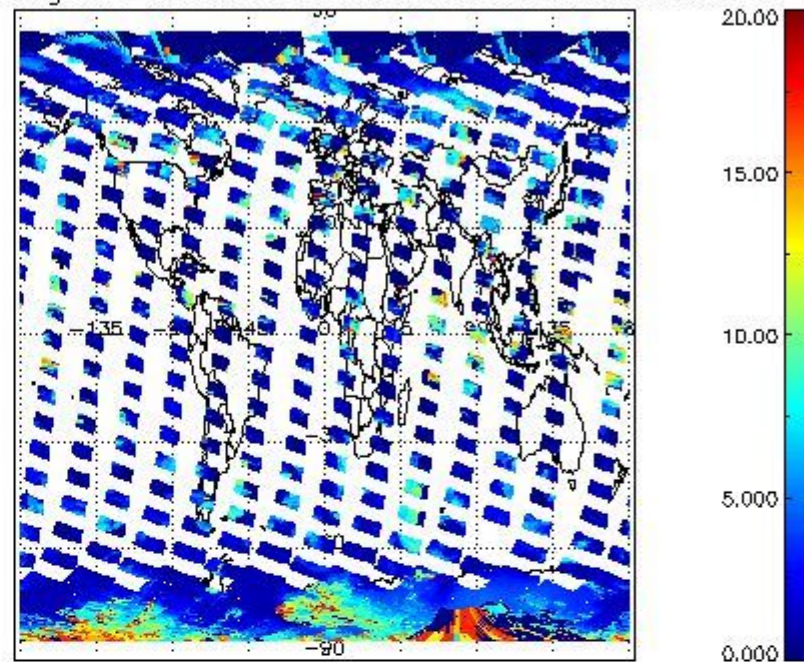
Number	Data item ID
0	cl_frac
1	cl_top_height
2	cl_opt_depth
3	cloud_flags



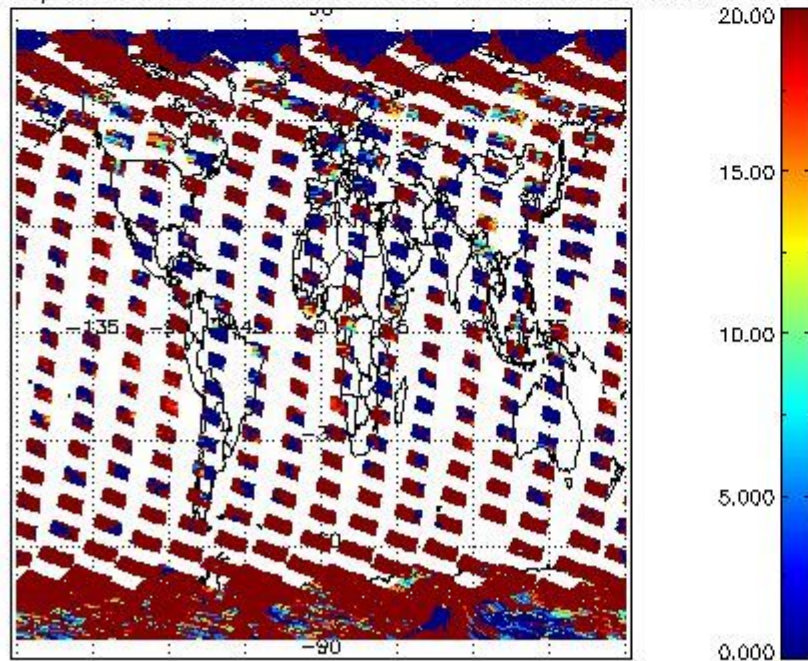
cLfrac for 04OCT2002 00:00:00 to 05OCT2002 00:00:00



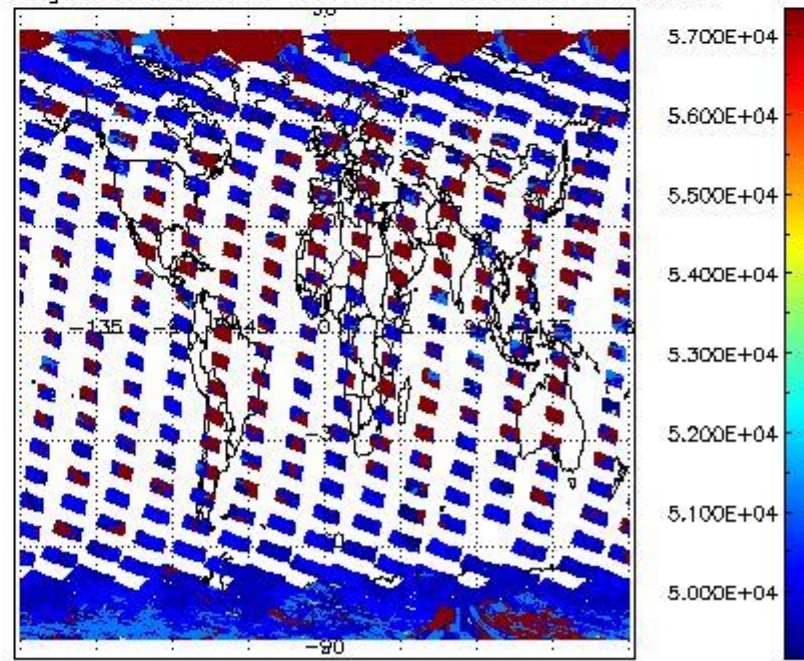
cL\_top\_height for 04OCT2002 00:00:00 to 05OCT2002 00:00:00



cL\_opt\_depth for 04OCT2002 00:00:00 to 05OCT2002 00:00:00



cloud\_flags for 04OCT2002 00:00:00 to 05OCT2002 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:

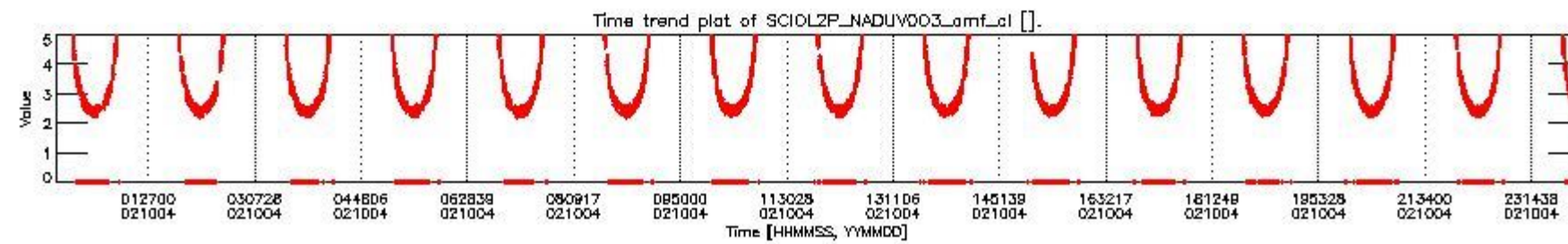
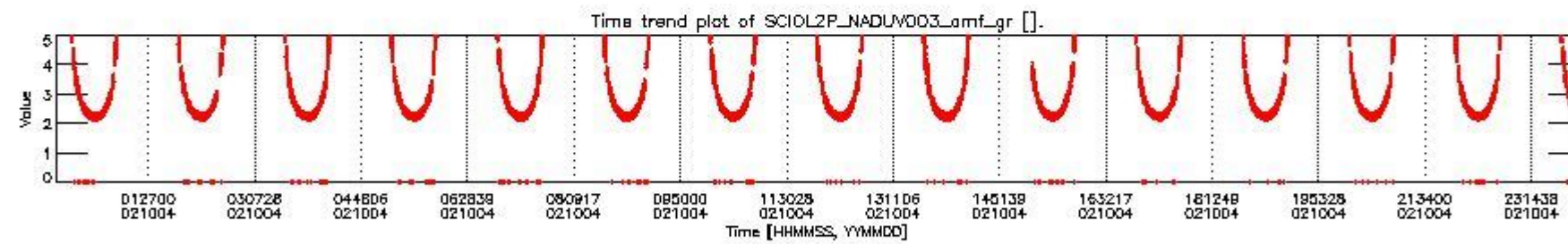
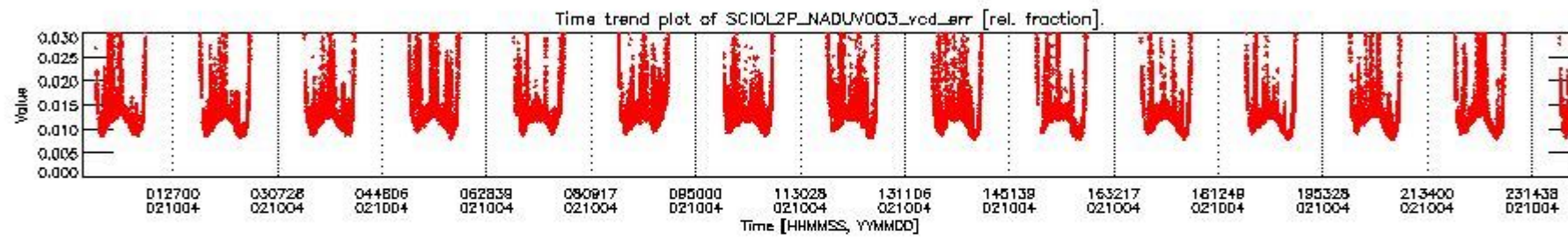
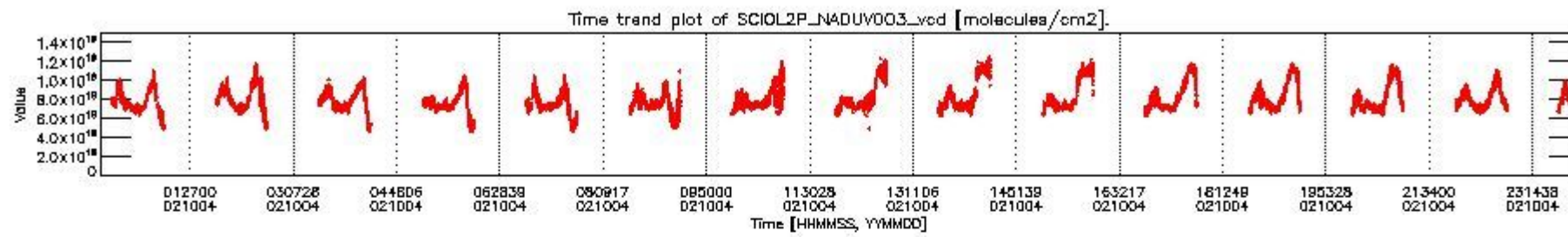
Number	Data item ID
0	SCIOL2P_NADUV003_vcd
1	SCIOL2P_NADUV003_vcd_err
2	SCIOL2P_NADUV003_amf_gr

3	SCIOL2P_NADUV0O3_amf_cl
4	SCIOL2P_NADUV1NO2_vcd
5	SCIOL2P_NADUV1NO2_vcd_err
6	SCIOL2P_NADUV1NO2_amf_gr
7	SCIOL2P_NADUV1NO2_amf_cl
8	SCIOL2P_NADUV3BRO_vcd
9	SCIOL2P_NADUV3BRO_vcd_err
10	SCIOL2P_NADUV3BRO_amf_gr
11	SCIOL2P_NADUV3BRO_amf_cl
12	SCIOL2P_NADUV5SO2_vcd
13	SCIOL2P_NADUV5SO2_vcd_err
14	SCIOL2P_NADUV5SO2_amf_gr
15	SCIOL2P_NADUV5SO2_amf_cl
16	SCIOL2P_NADUV7SO2_vcd
17	SCIOL2P_NADUV7SO2_vcd_err
18	SCIOL2P_NADUV7SO2_amf_gr
19	SCIOL2P_NADUV7SO2_amf_cl
20	SCIOL2P_NADUV6OCL_slant_col_den
21	SCIOL2P_NADUV6OCL_err_slant_col
22	SCIOL2P_NADUV8H2O_vcd
23	SCIOL2P_NADUV8H2O_vcd_err
24	SCIOL2P_NADUV8H2O_amf_gr
25	SCIOL2P_NADIR3CO_vcd
26	SCIOL2P_NADIR3CO_vcd_err

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.

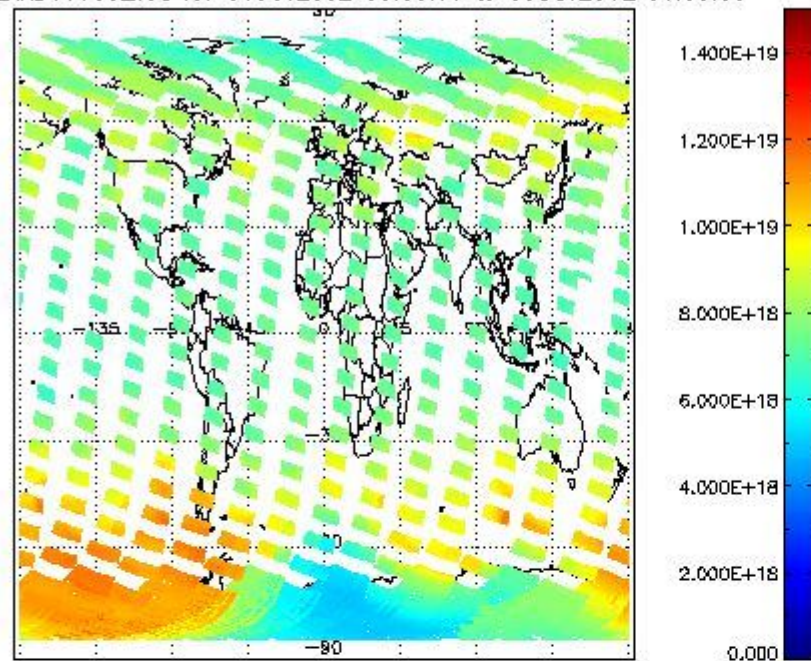
#### 2.2.2.1 O3 (UV0)



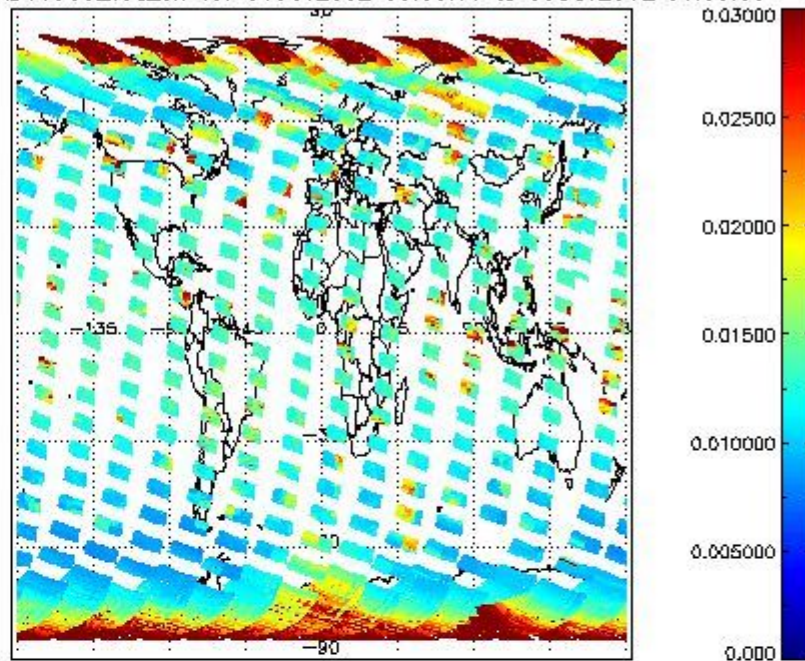




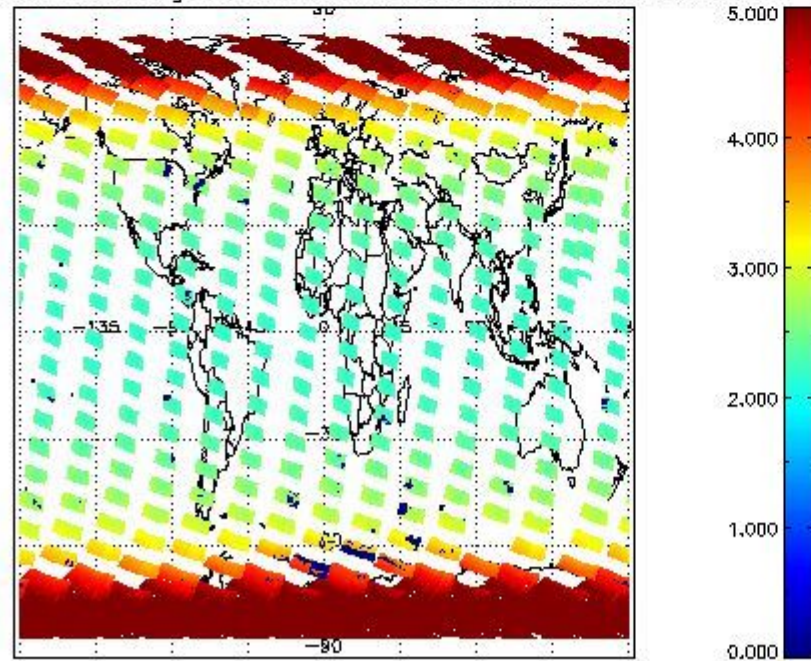
SCIOL2P\_NADUV003\_vcd for 04OCT2002 00:00:00 to 05OCT2002 00:00:00



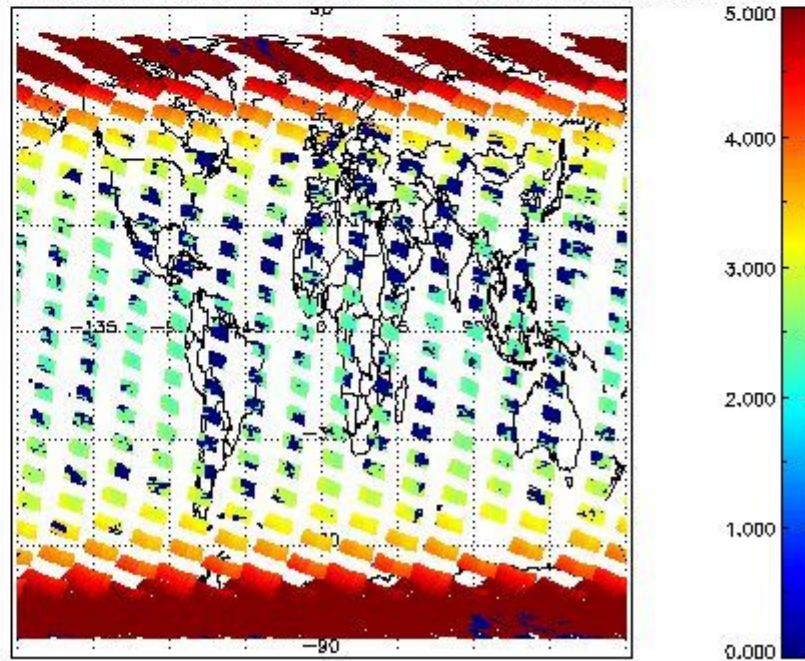
SCIOL2P\_NADUV003\_vcd\_err for 04OCT2002 00:00:00 to 05OCT2002 00:00:00



SCIOL2P\_NADUV003\_amf\_gr for 04OCT2002 00:00:00 to 05OCT2002 00:00:00

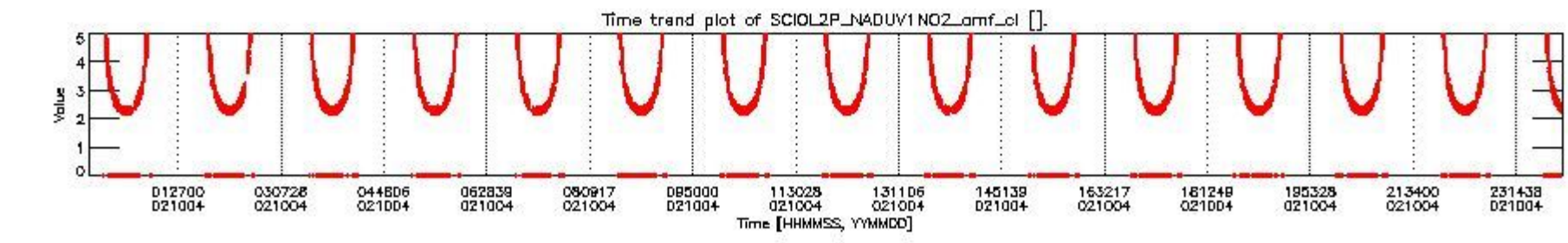
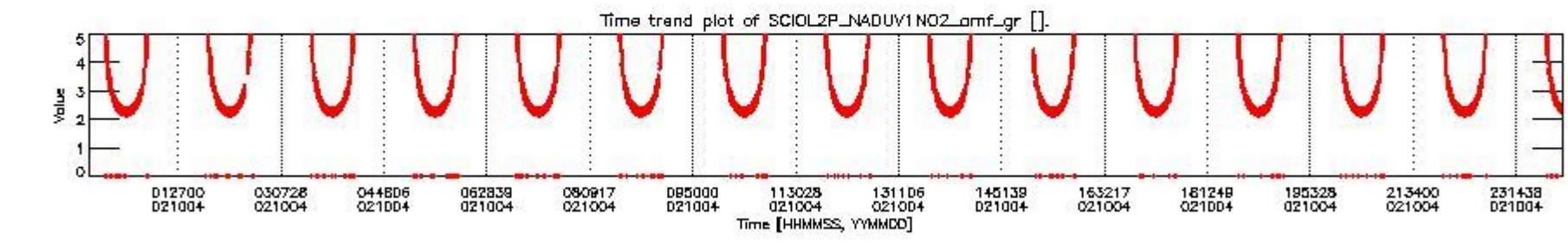
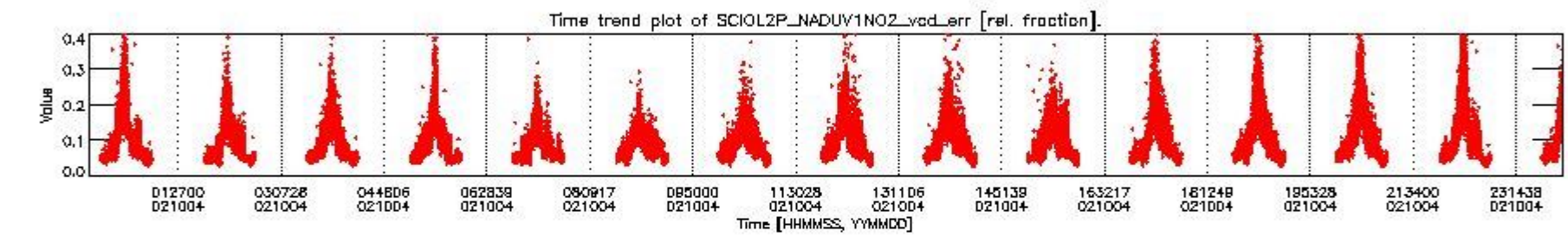
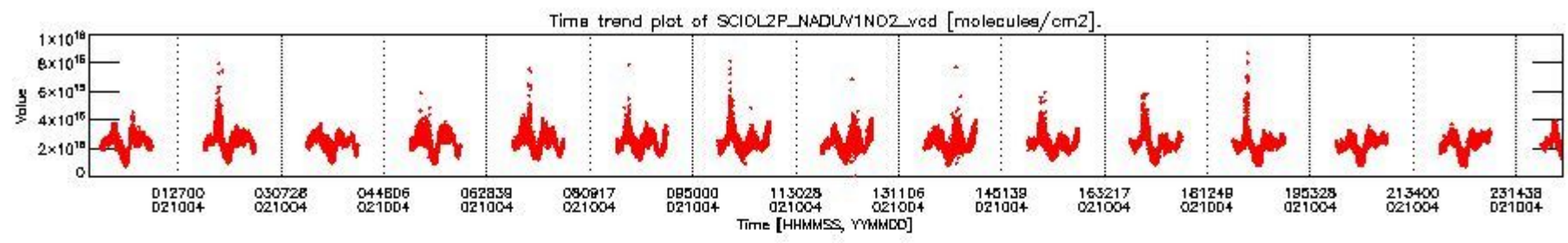


SCIOL2P\_NADUV003\_amf\_cl for 04OCT2002 00:00:00 to 05OCT2002 00:00:00



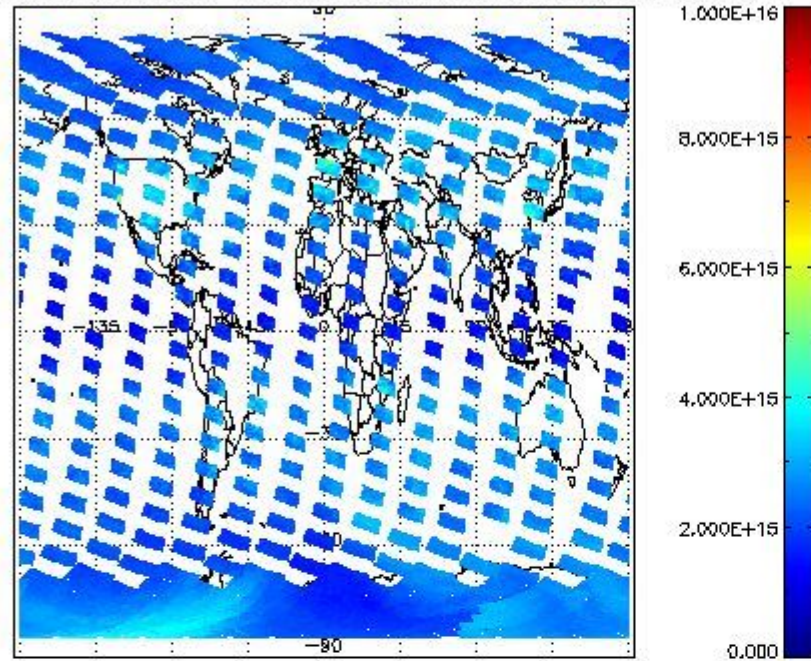
2.2.2.2 NO2 (UV1)



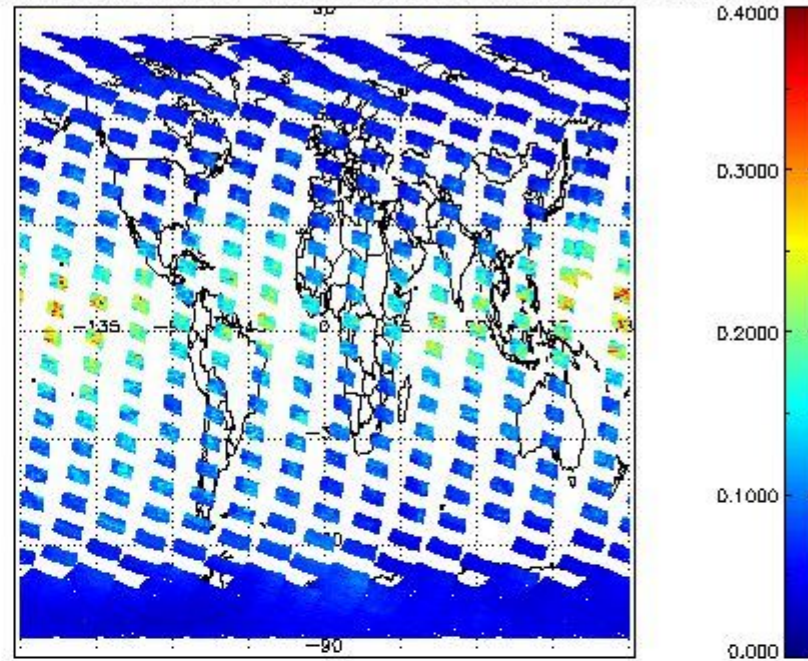




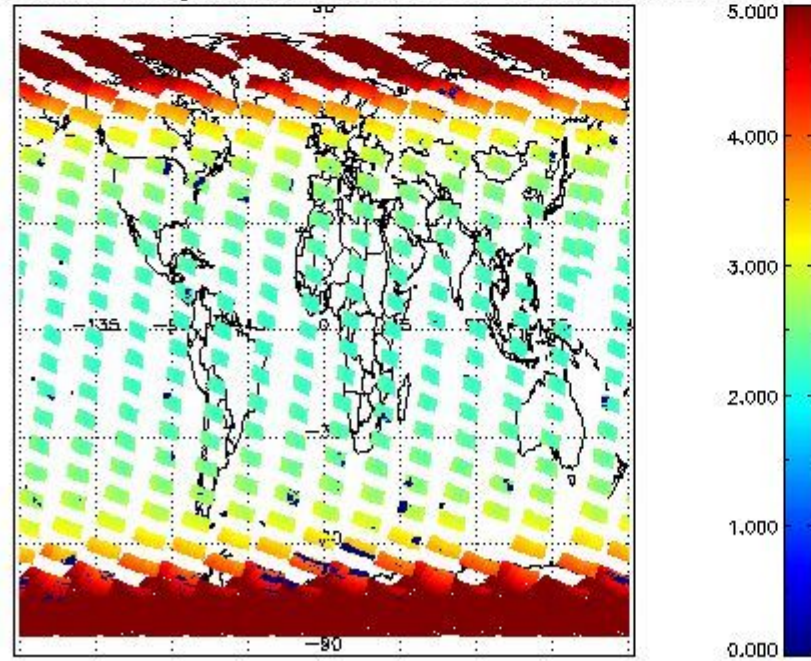
SCIOL2P\_NADUV1NO2\_vcd for 04OCT2002 00:00:00 to 05OCT2002 00:00:00



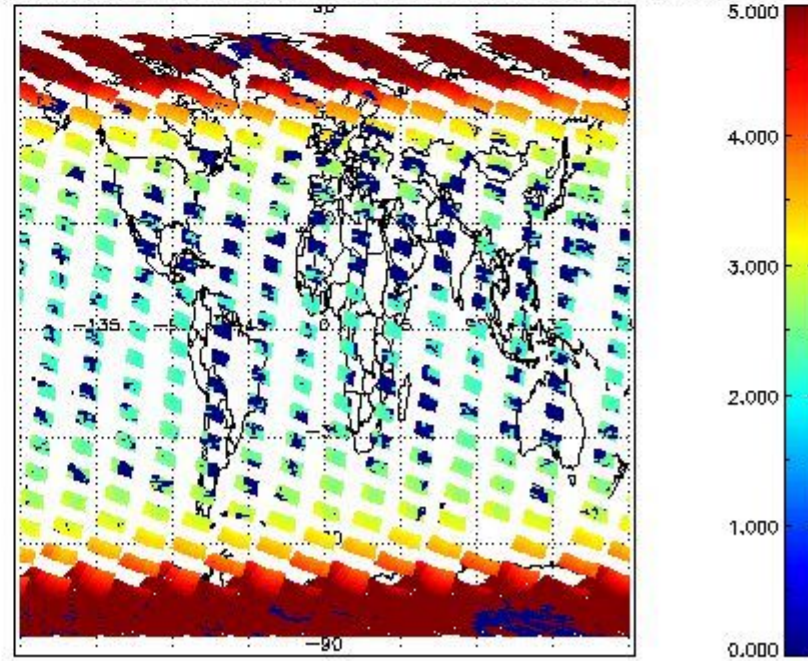
SCIOL2P\_NADUV1NO2\_vcd\_err for 04OCT2002 00:00:00 to 05OCT2002 00:00:00



SCIOL2P\_NADUV1NO2\_amf\_gr for 04OCT2002 00:00:00 to 05OCT2002 00:00:00

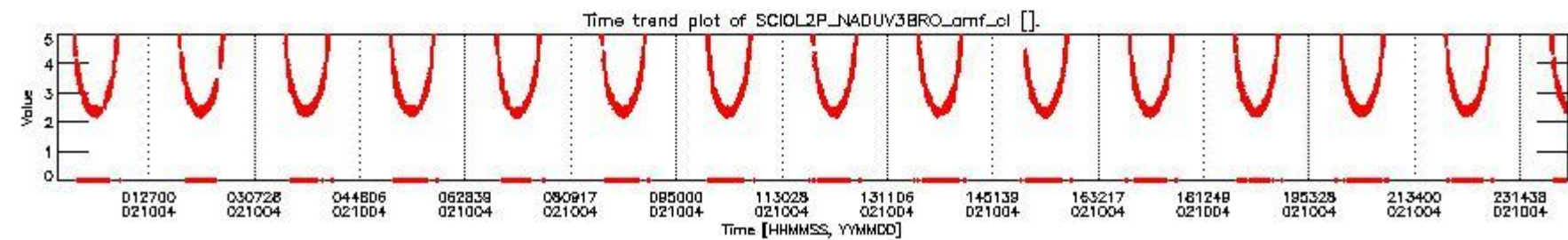
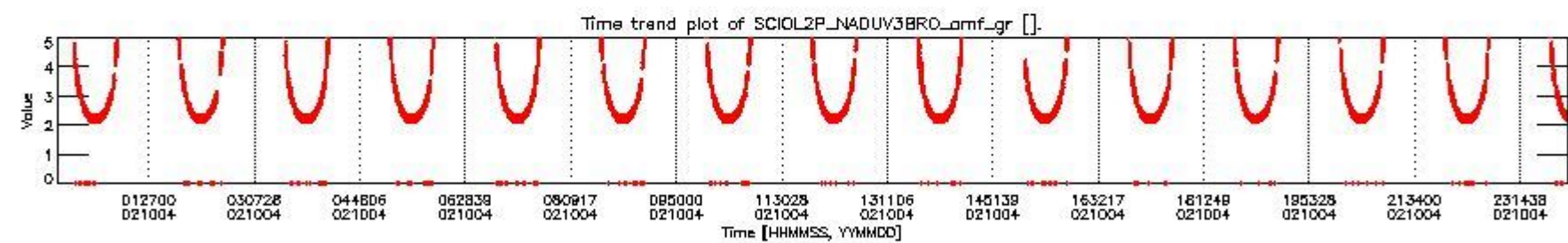
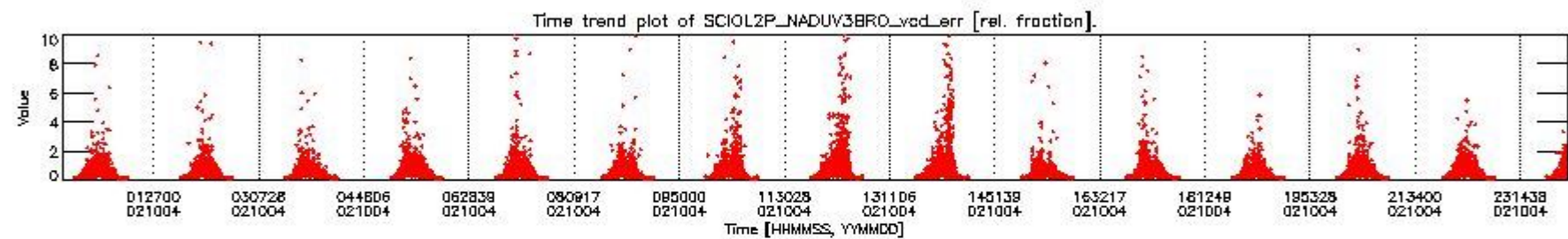
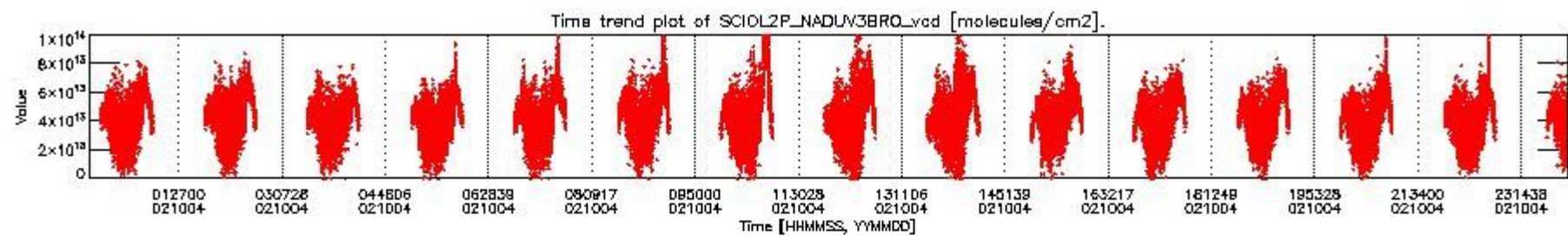


SCIOL2P\_NADUV1NO2\_amf\_cl for 04OCT2002 00:00:00 to 05OCT2002 00:00:00



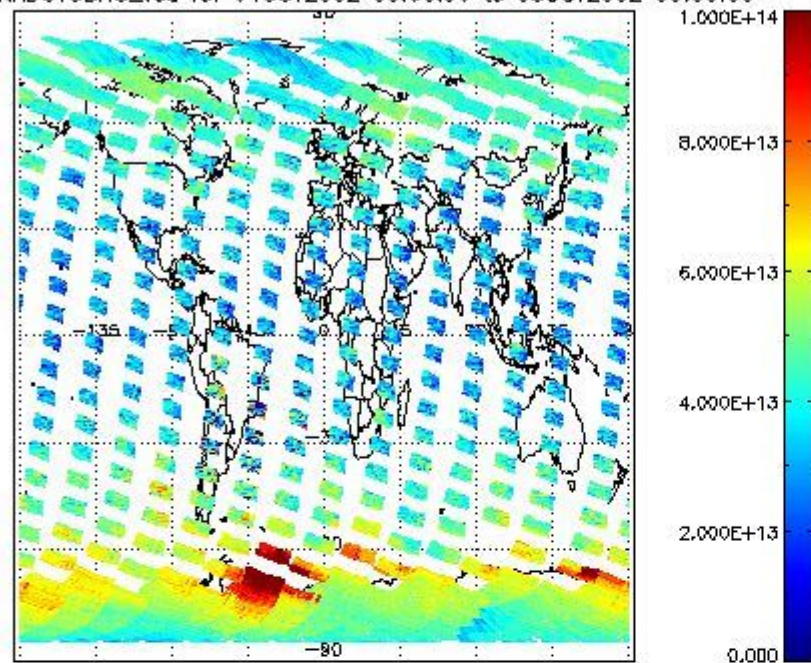
2.2.2.3 BrO (UV3)



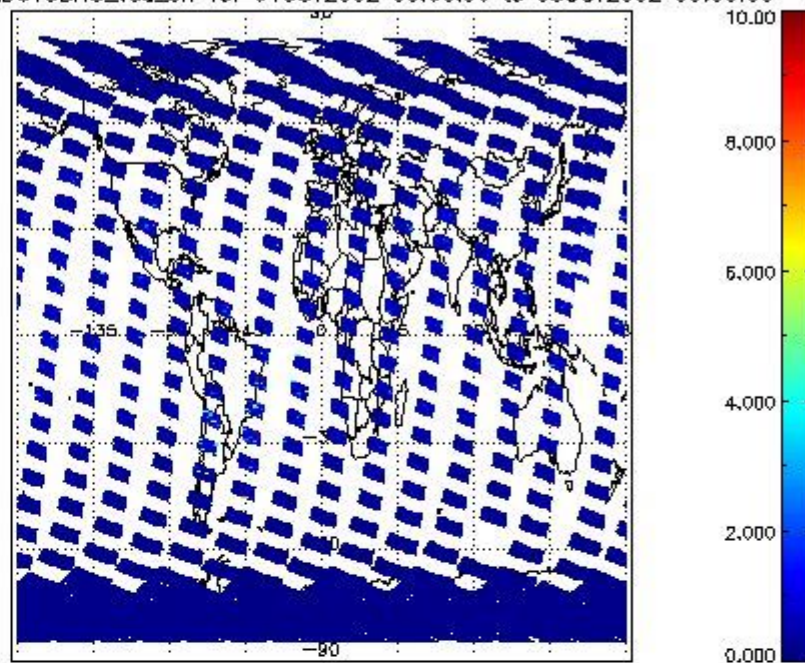




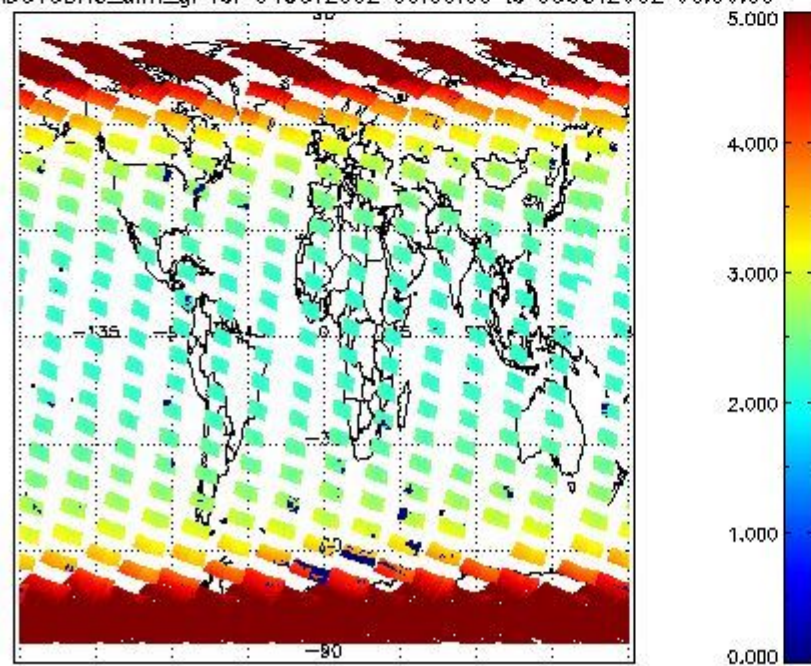
SCIOL2P\_NADUV3BRO\_vcd for 04OCT2002 00:00:00 to 05OCT2002 00:00:00



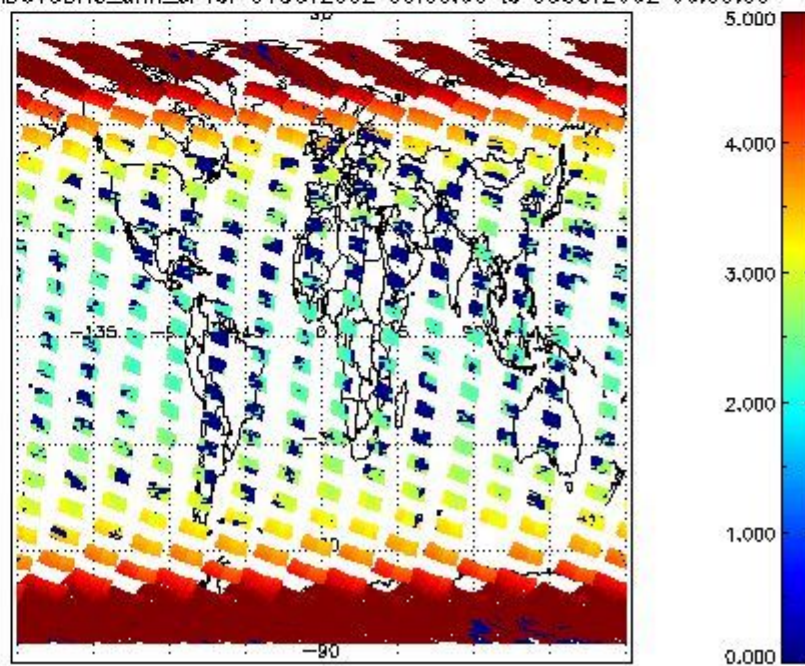
SCIOL2P\_NADUV3BRO\_vcd\_err for 04OCT2002 00:00:00 to 05OCT2002 00:00:00



SCIOL2P\_NADUV3BRO\_amf\_gr for 04OCT2002 00:00:00 to 05OCT2002 00:00:00

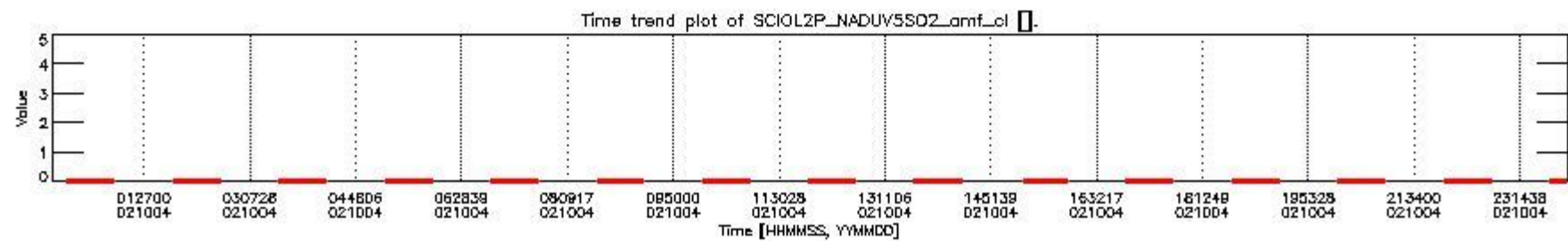
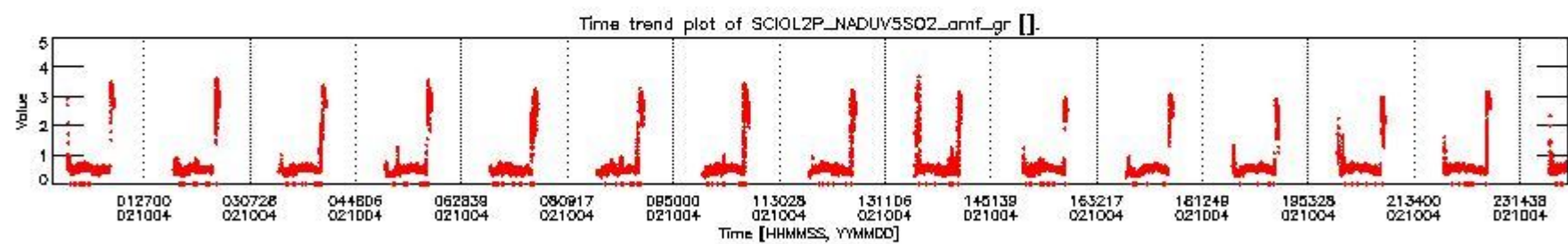
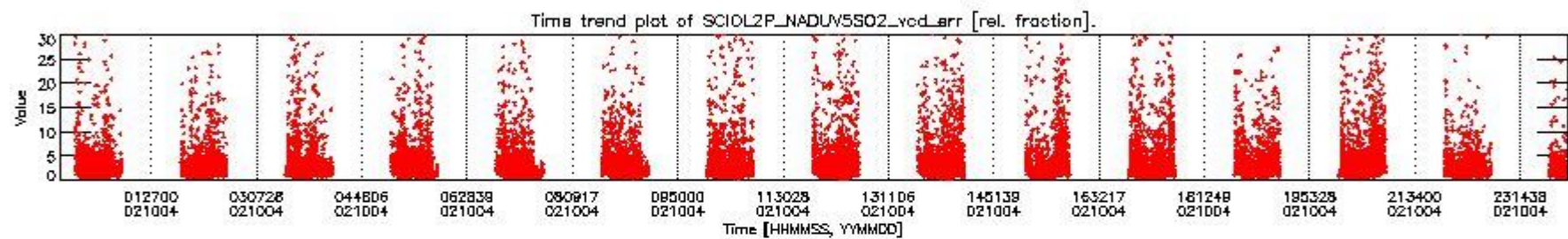
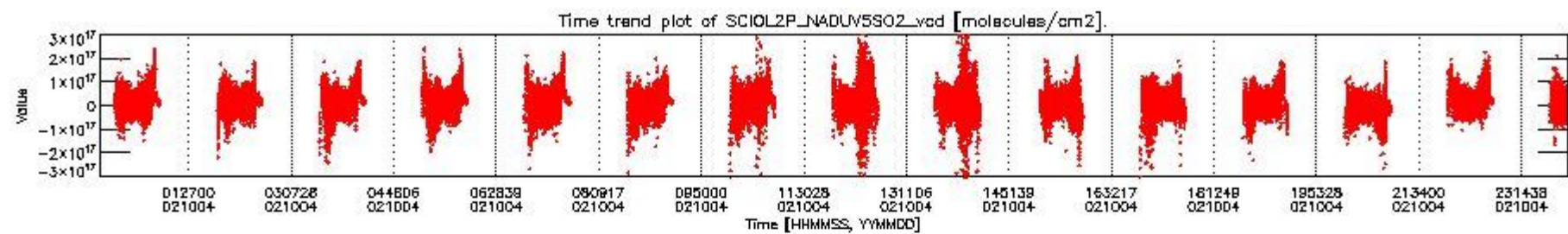


SCIOL2P\_NADUV3BRO\_amf\_cl for 04OCT2002 00:00:00 to 05OCT2002 00:00:00



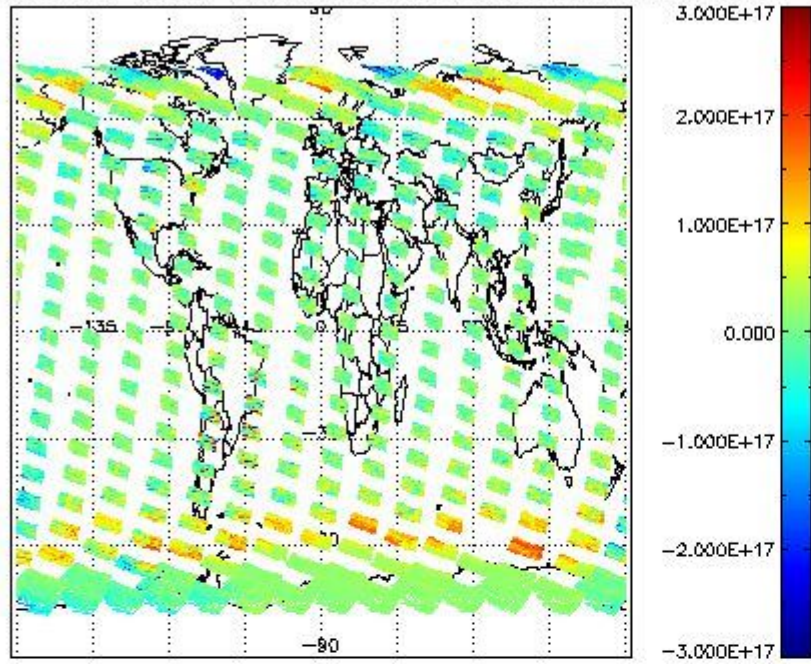
2.2.2.4 SO2 (UV5)



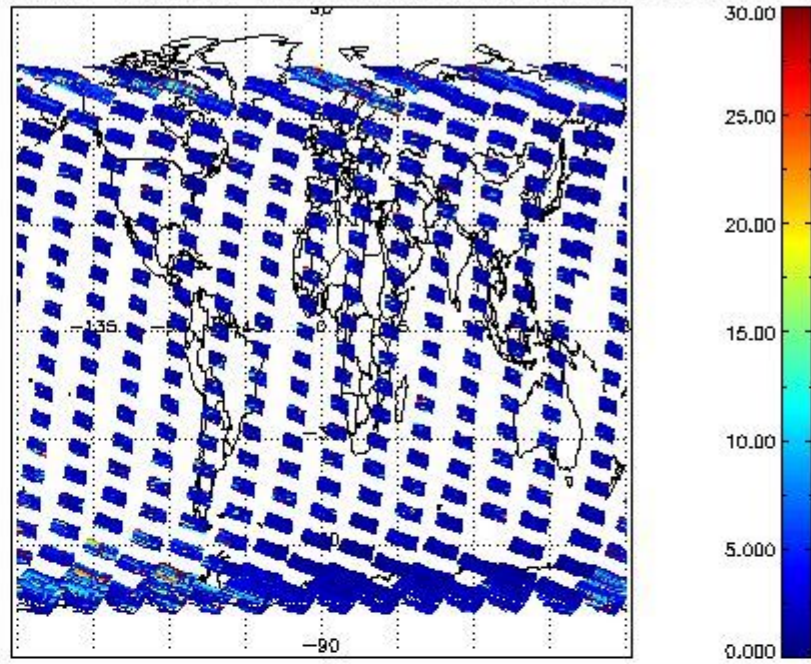




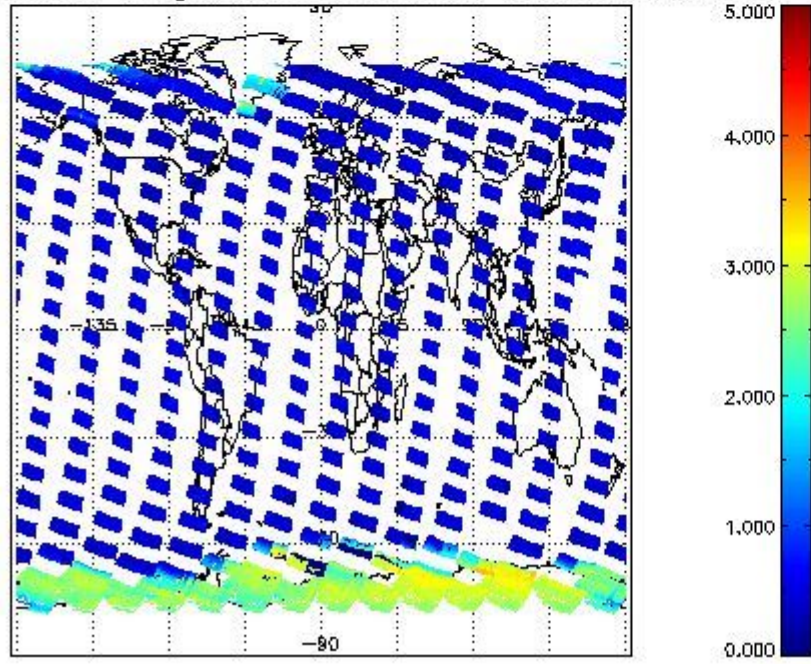
SCIOL2P\_NADUV5SO2\_vcd for 04OCT2002 00:00:00 to 05OCT2002 00:00:00



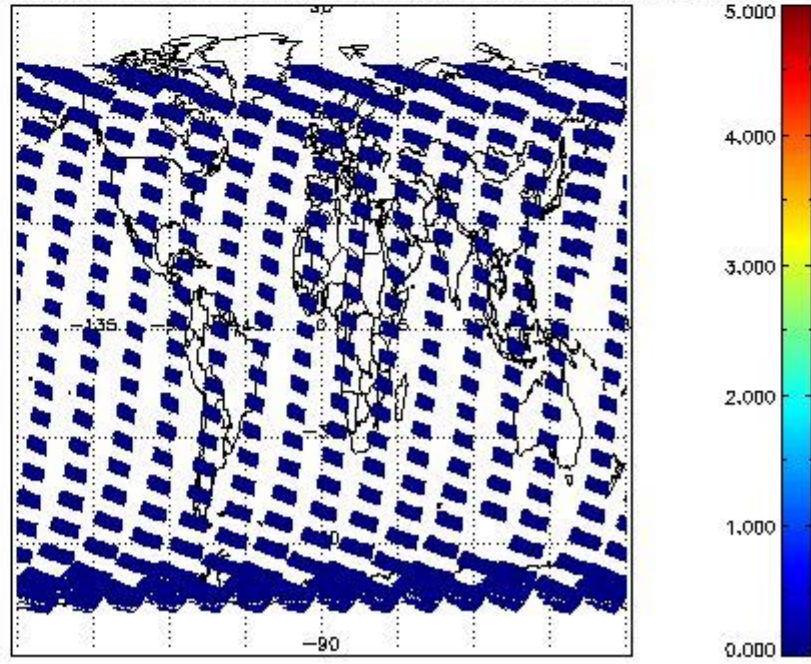
SCIOL2P\_NADUV5SO2\_vcd\_err for 04OCT2002 00:00:00 to 05OCT2002 00:00:00



SCIOL2P\_NADUV5SO2\_amf\_gr for 04OCT2002 00:00:00 to 05OCT2002 00:00:00

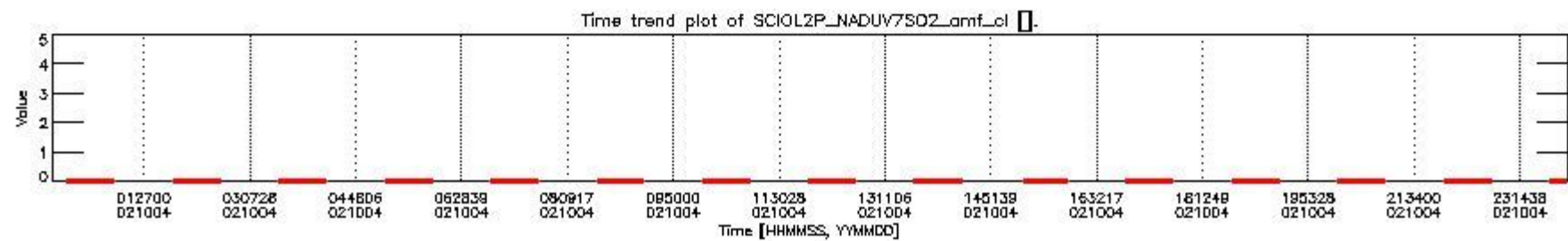
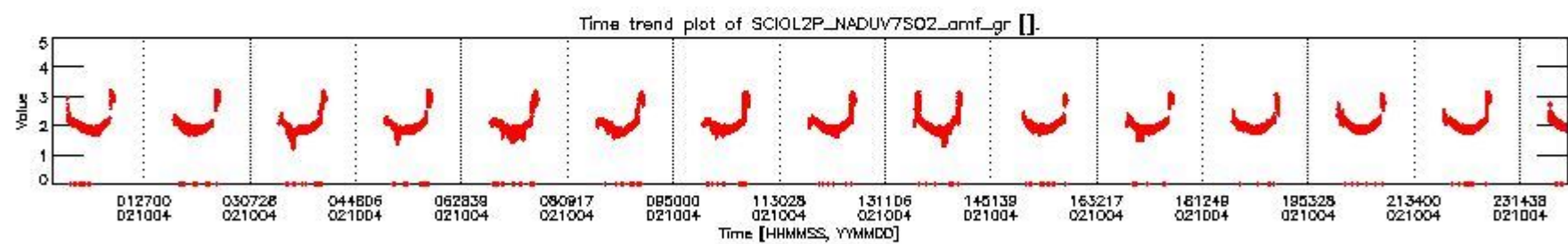
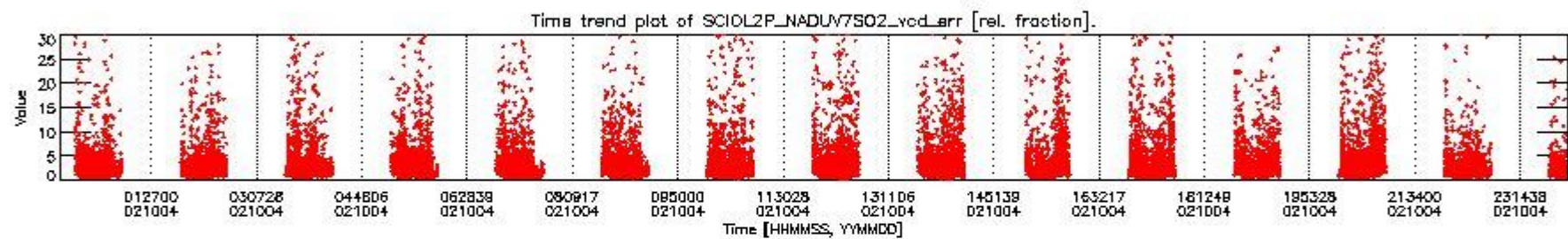
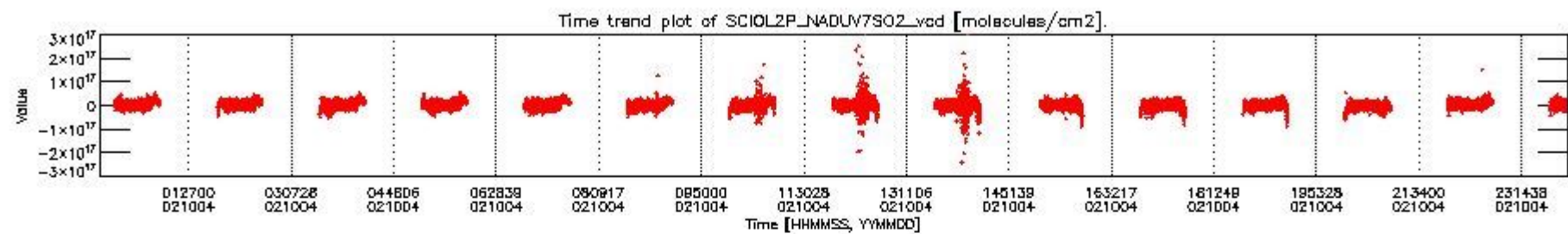


SCIOL2P\_NADUV5SO2\_amf\_cl for 04OCT2002 00:00:00 to 05OCT2002 00:00:00



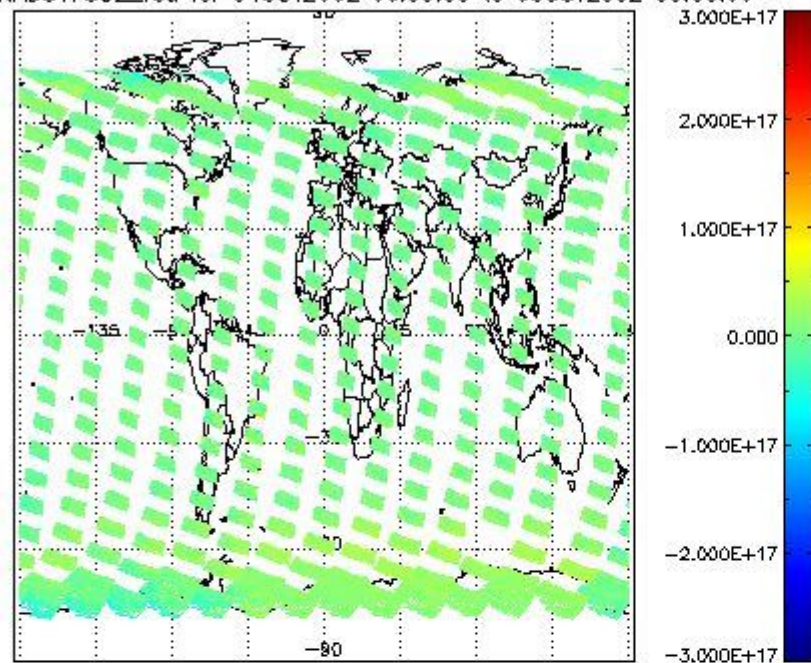
### 2.2.2.5 SO2 (UV7)



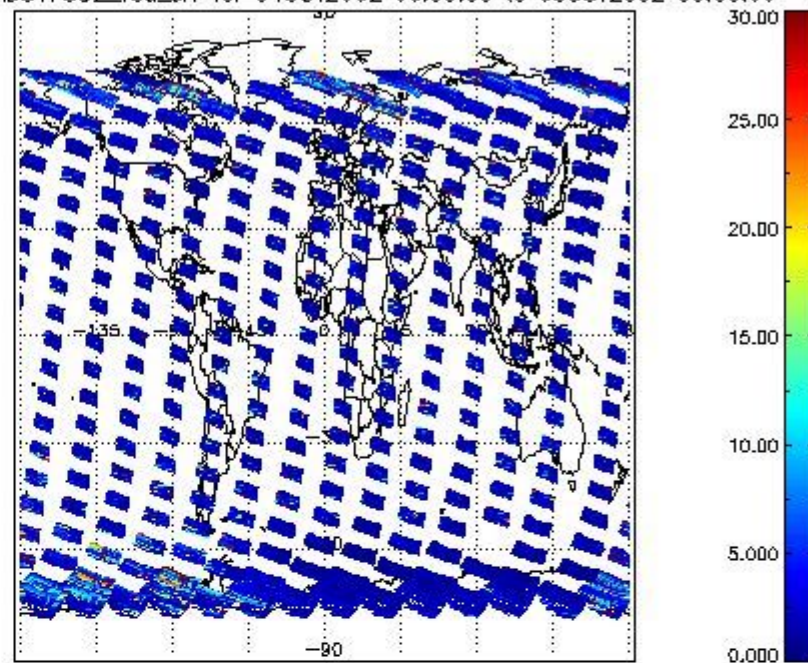




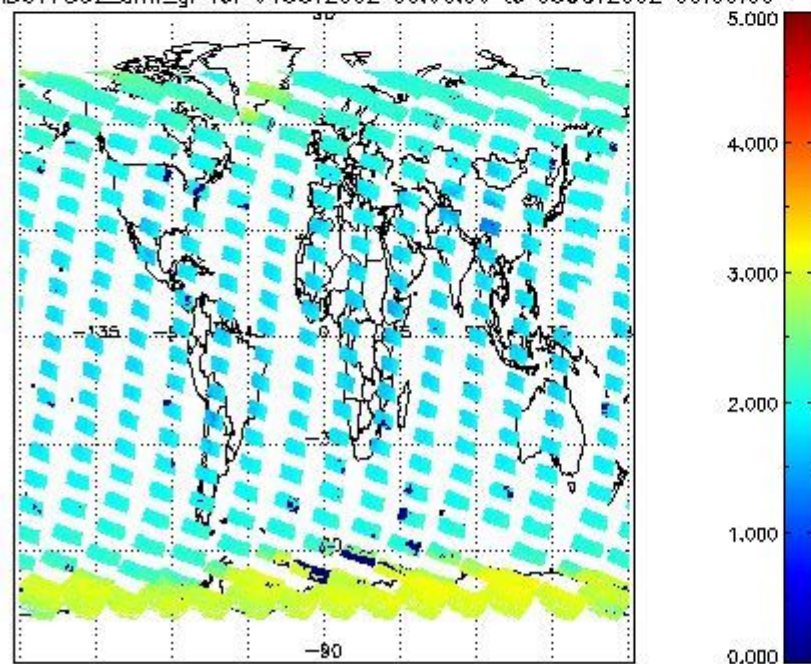
SCIOL2P\_NADUV7S02\_vcd for 04OCT2002 00:00:00 to 05OCT2002 00:00:00



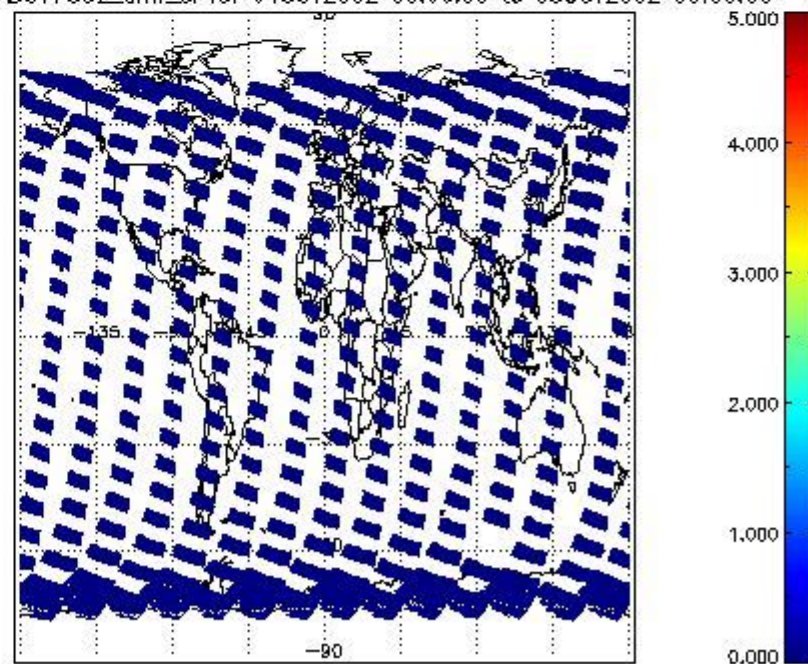
SCIOL2P\_NADUV7S02\_vcd\_err for 04OCT2002 00:00:00 to 05OCT2002 00:00:00



SCIOL2P\_NADUV7S02\_amf\_gr for 04OCT2002 00:00:00 to 05OCT2002 00:00:00

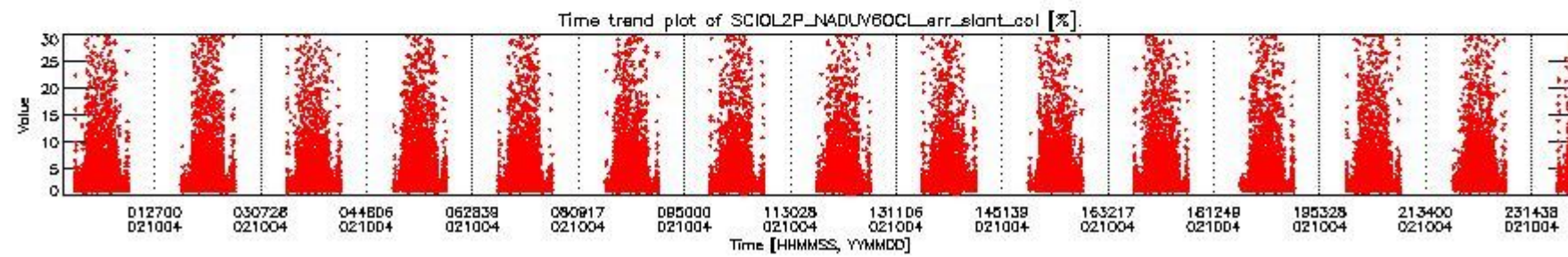
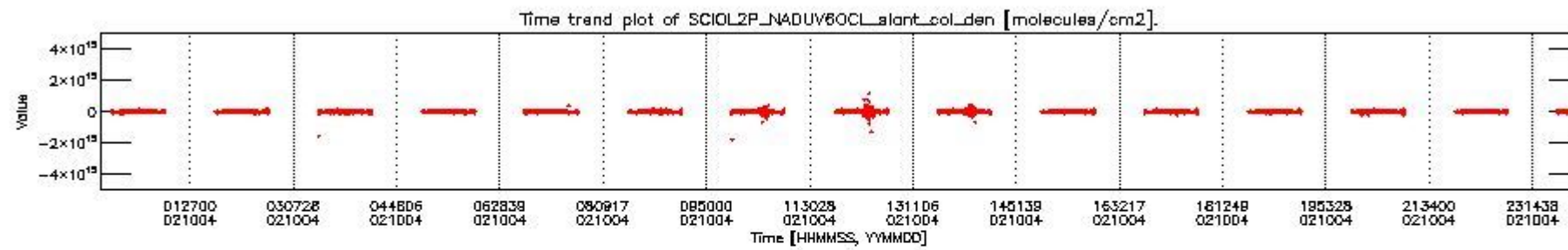


SCIOL2P\_NADUV7S02\_amf\_cl for 04OCT2002 00:00:00 to 05OCT2002 00:00:00

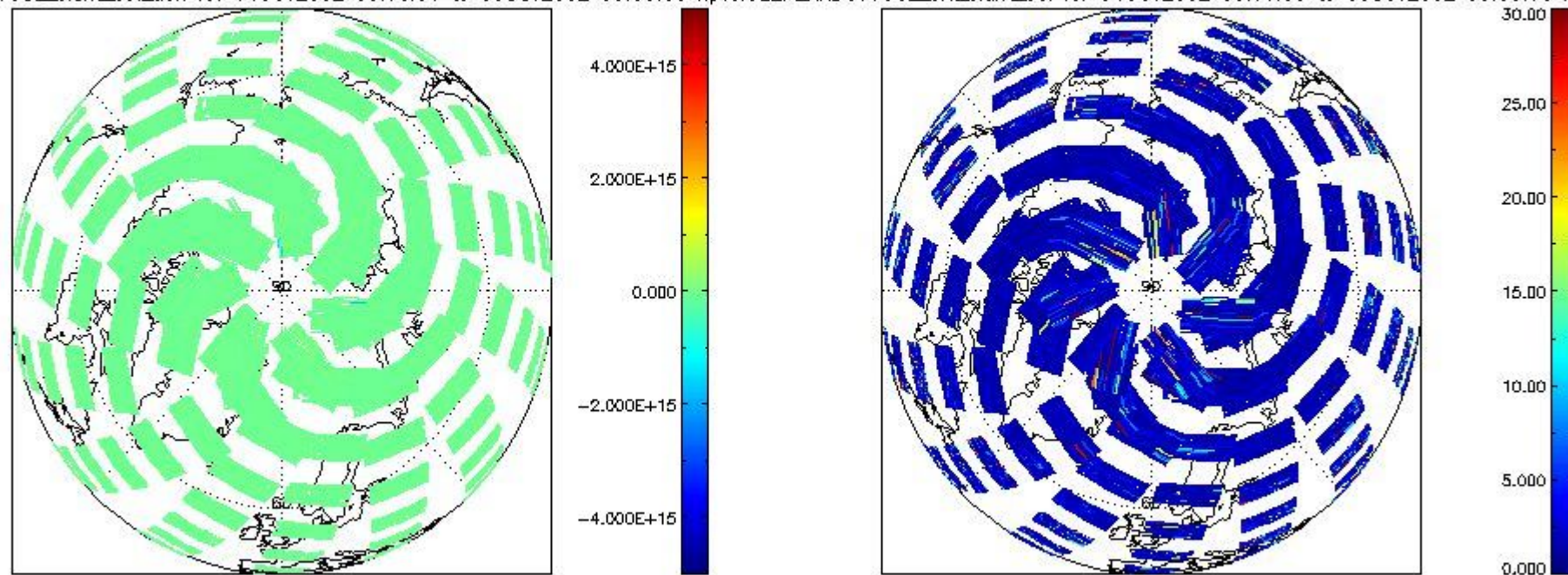


2.2.2.6 OCIO (UV6)



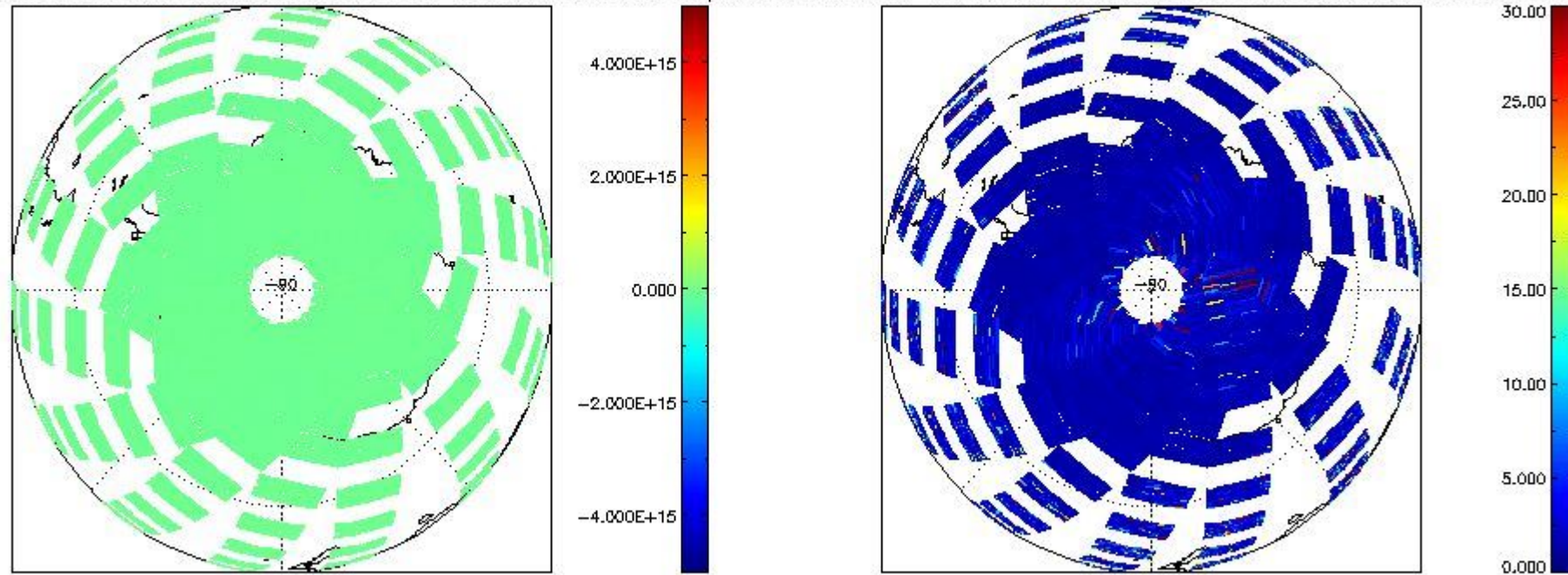


CIOL2P\_NADUV60CL\_slant\_col\_den for 04OCT2002 00:00:00 to 05OCT2002 00:00:00 np CIOL2P\_NADUV60CL\_err\_slant\_col for 04OCT2002 00:00:00 to 05OCT2002 00:00:00 np

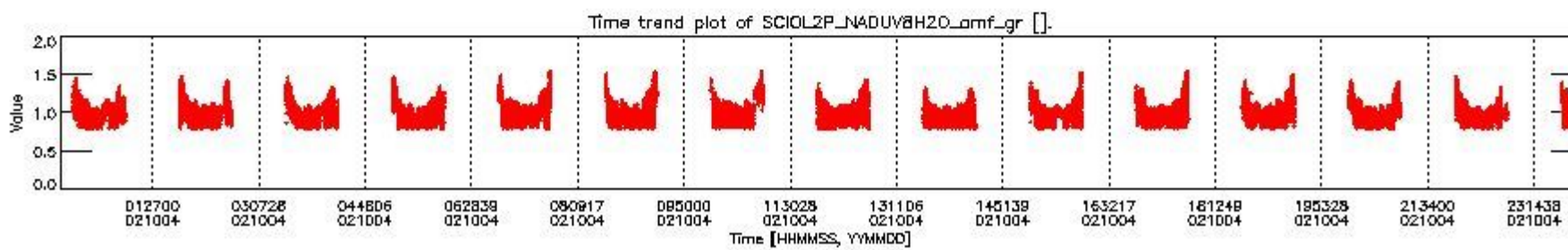
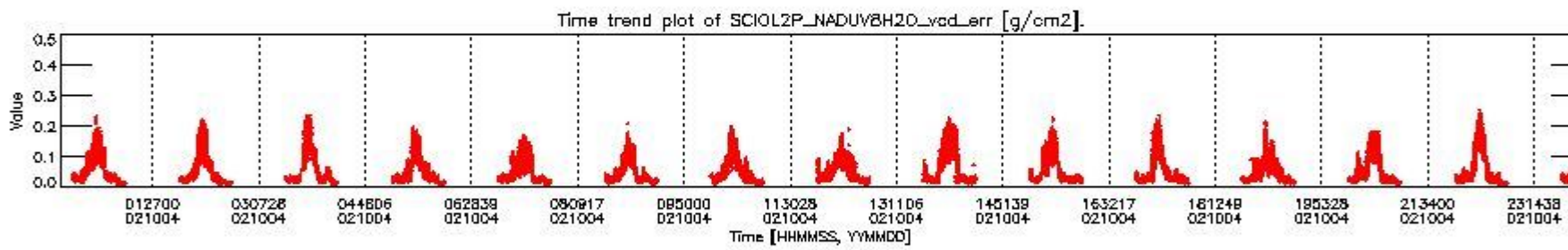
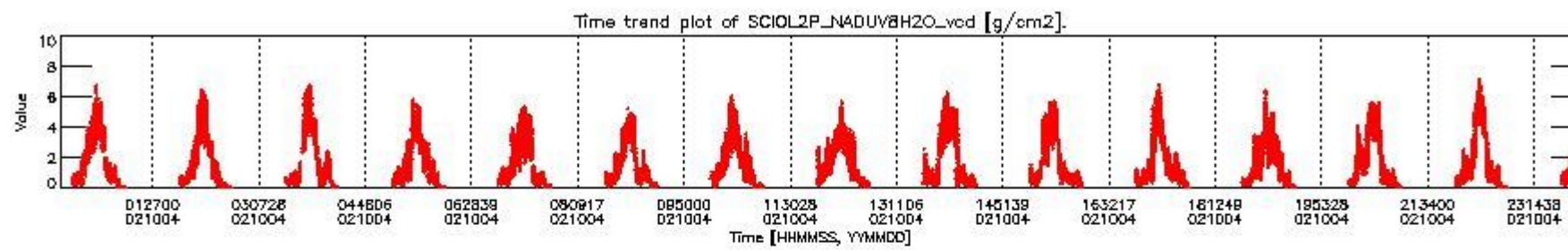




CIOL2P\_NADUV60CL\_slant\_col\_den for 04OCT2002 00:00:00 to 05OCT2002 00:00:00 sp; CIOL2P\_NADUV60CL\_err\_slant\_col for 04OCT2002 00:00:00 to 05OCT2002 00:00:00 sp

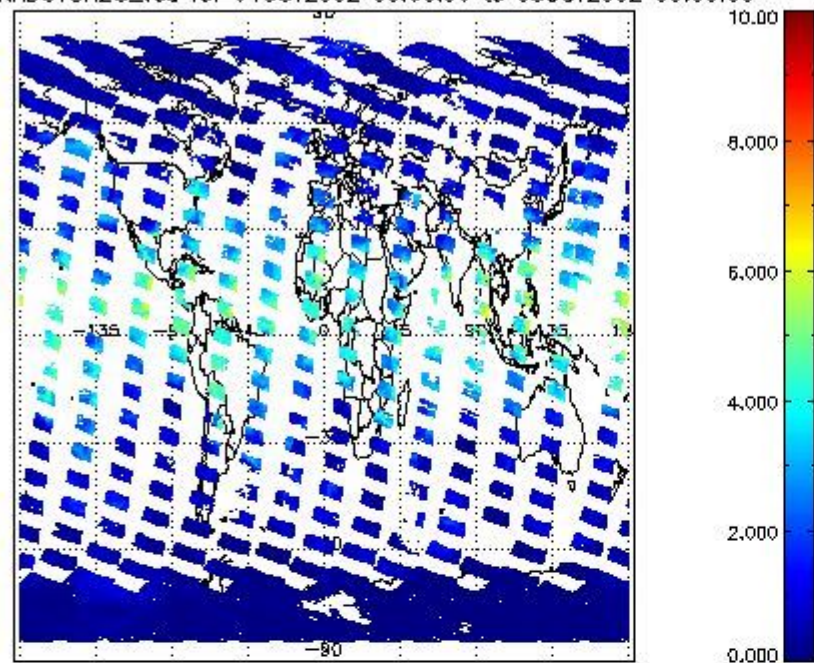


### 2.2.2.7 H2O (UV8)

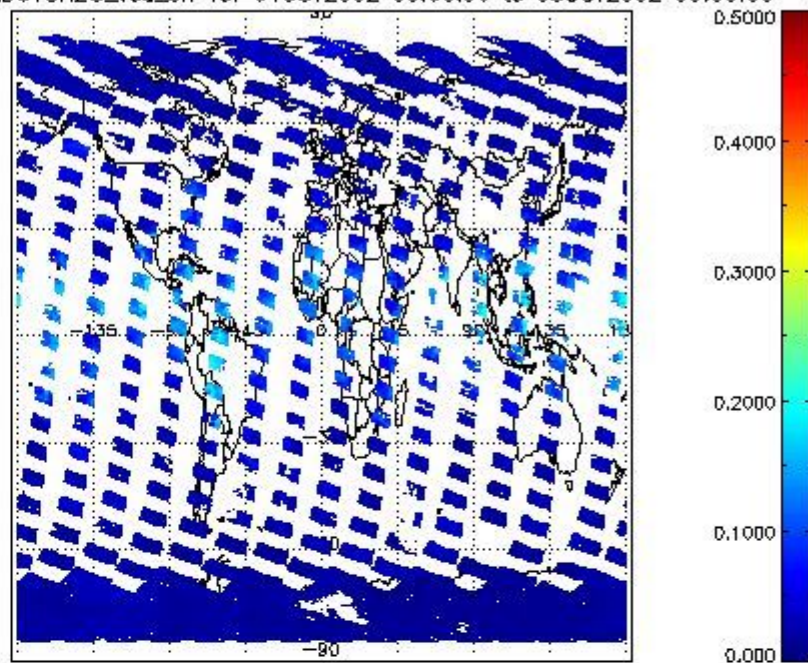




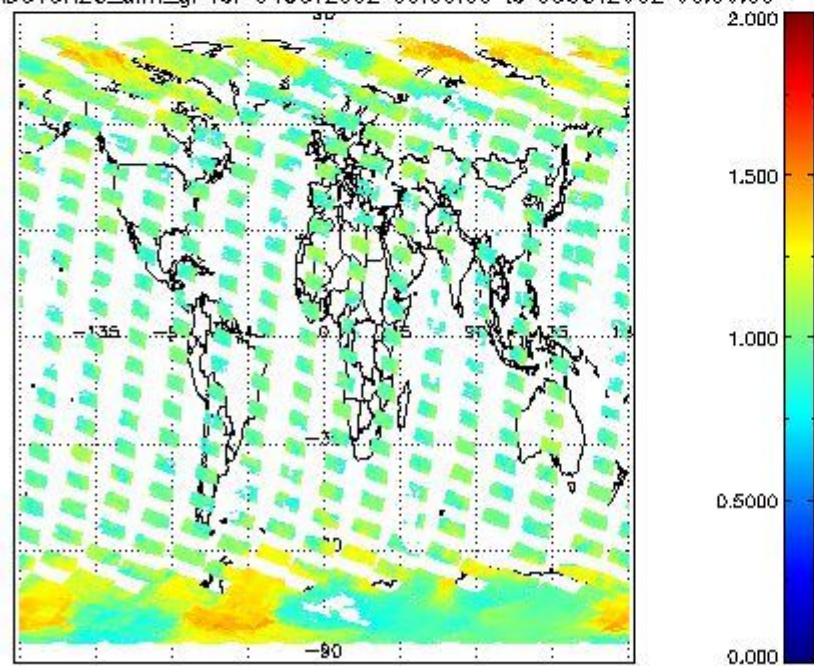
SCIOL2P\_NADUV8H20\_vcd for 04OCT2002 00:00:00 to 05OCT2002 00:00:00



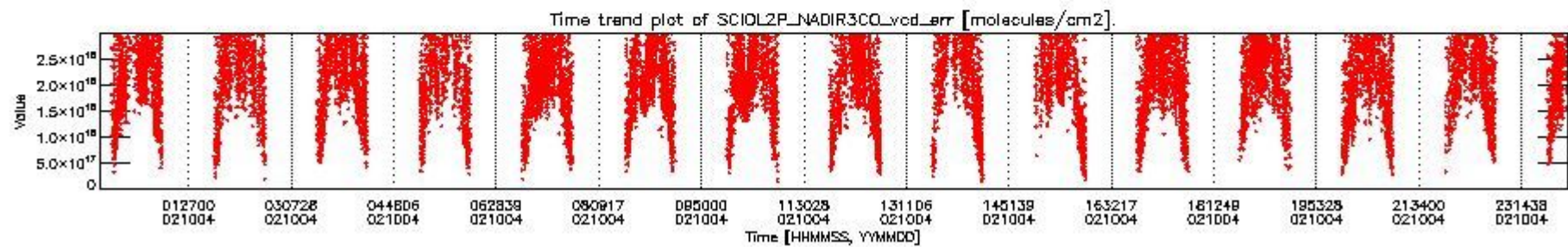
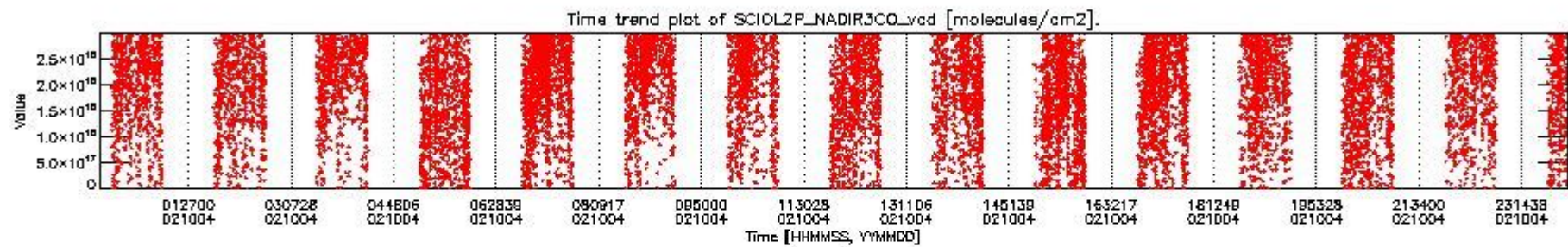
SCIOL2P\_NADUV8H20\_vcd\_err for 04OCT2002 00:00:00 to 05OCT2002 00:00:00



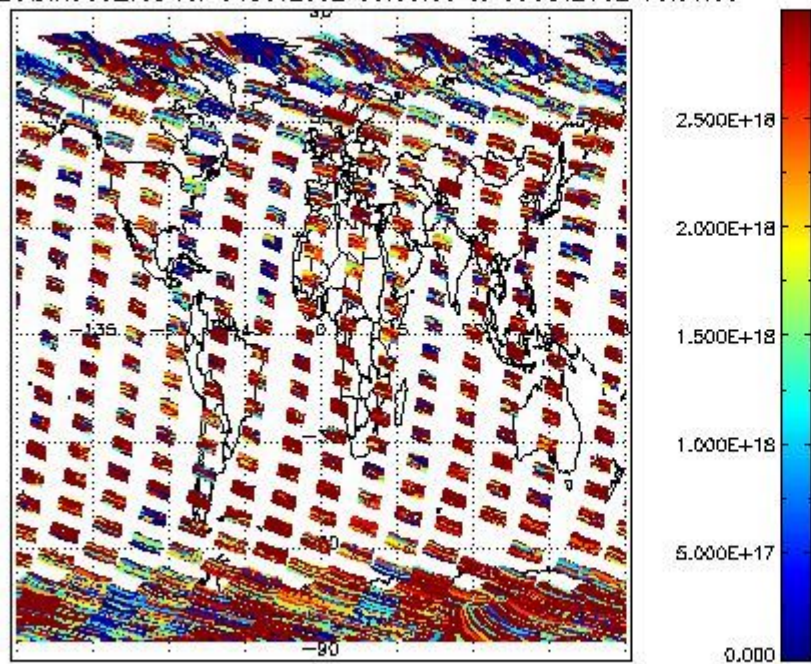
SCIOL2P\_NADUV8H20\_amf\_gr for 04OCT2002 00:00:00 to 05OCT2002 00:00:00



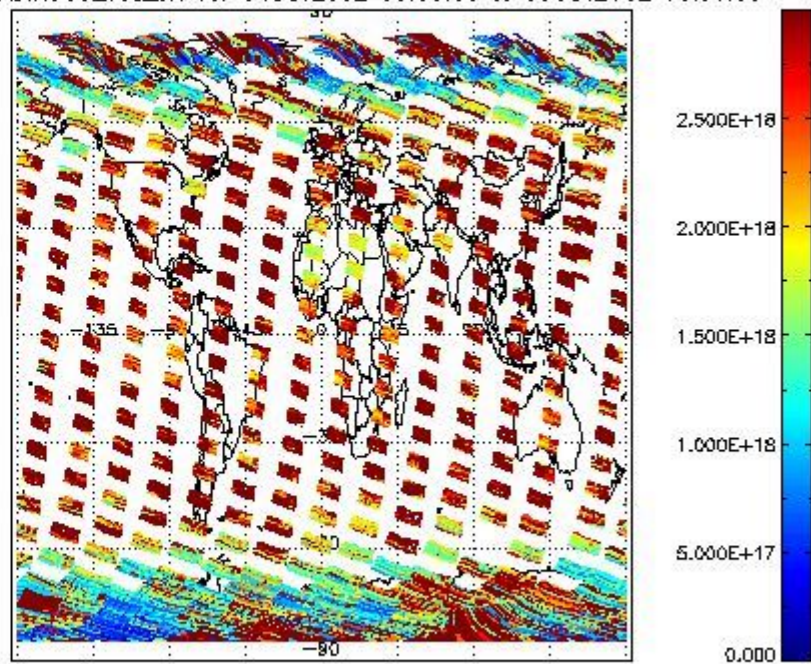




SCIO2P\_NADIR3CO\_vcd for 04OCT2002 00:00:00 to 05OCT2002 00:00:00



SCIO2P\_NADIR3CO\_vcd\_err for 04OCT2002 00:00:00 to 05OCT2002 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.

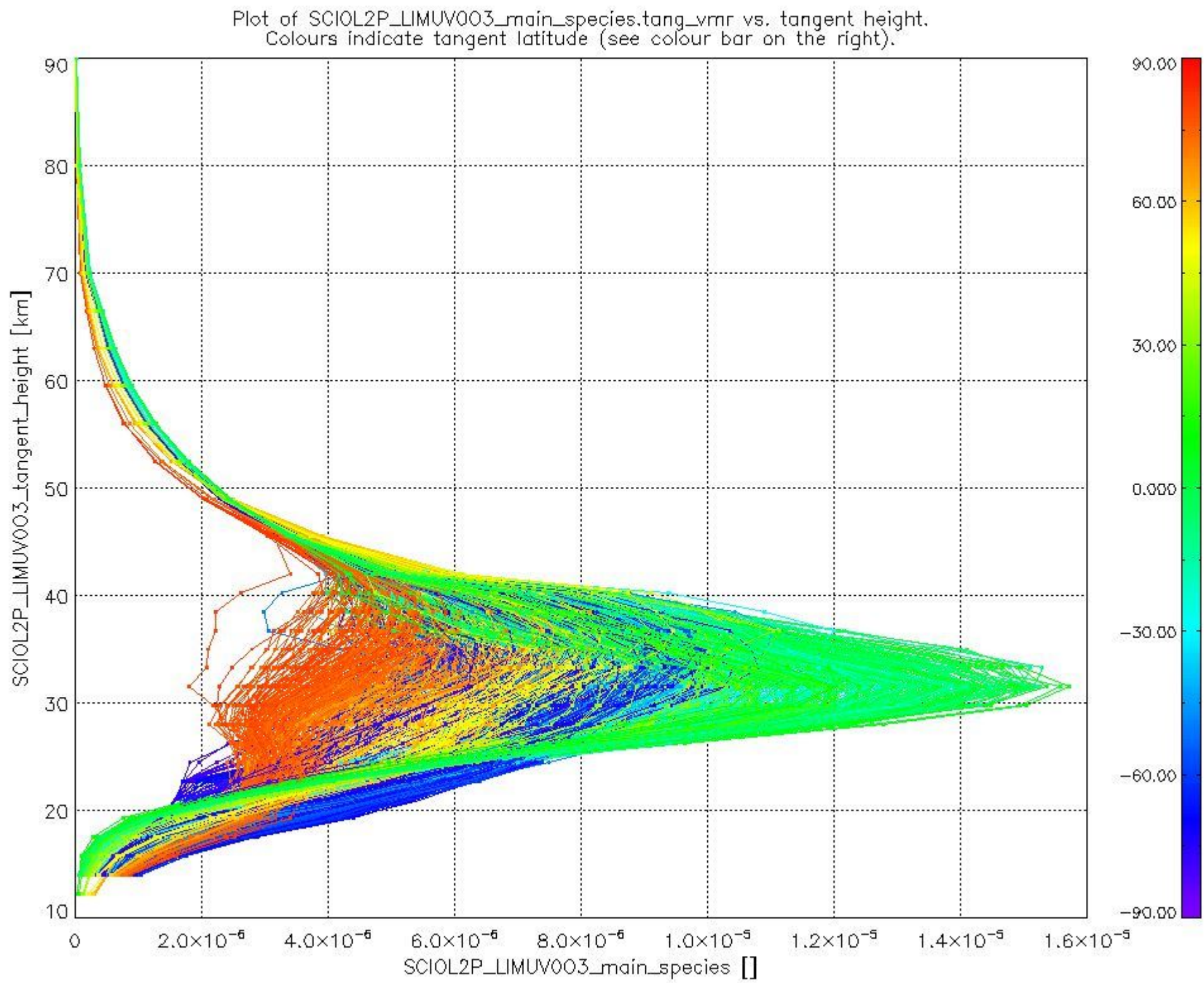
The following data items are currently included into this section:

Number	Data item ID
0	SCIO2P_LIMUV003_main_species
1	SCIO2P_LIMUV1NO2_main_species
2	SCIO2P_LIMUV3BRO_main_species



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

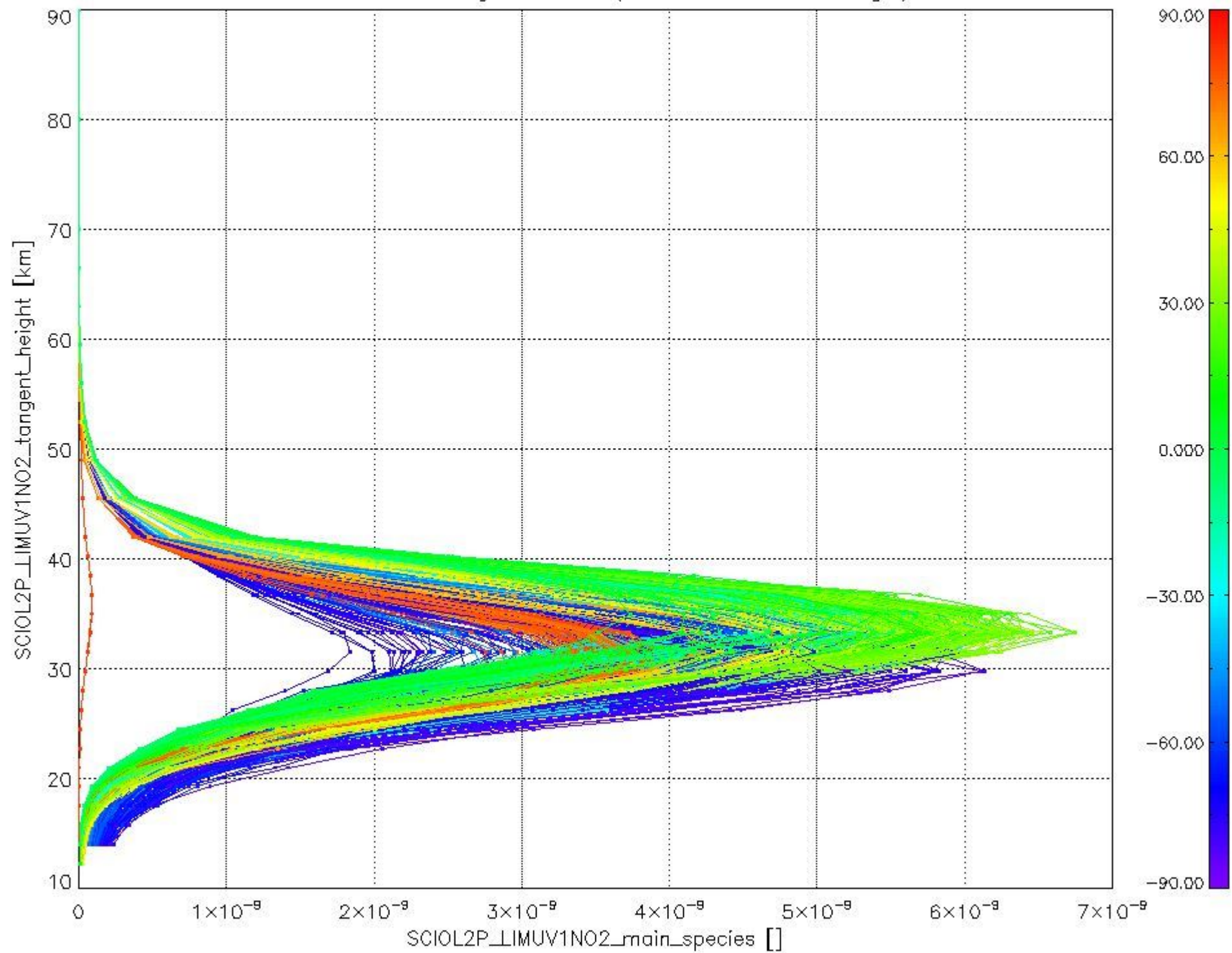
2.2.3.1 O3 (UV0)



2.2.3.2 NO2 (UV1)



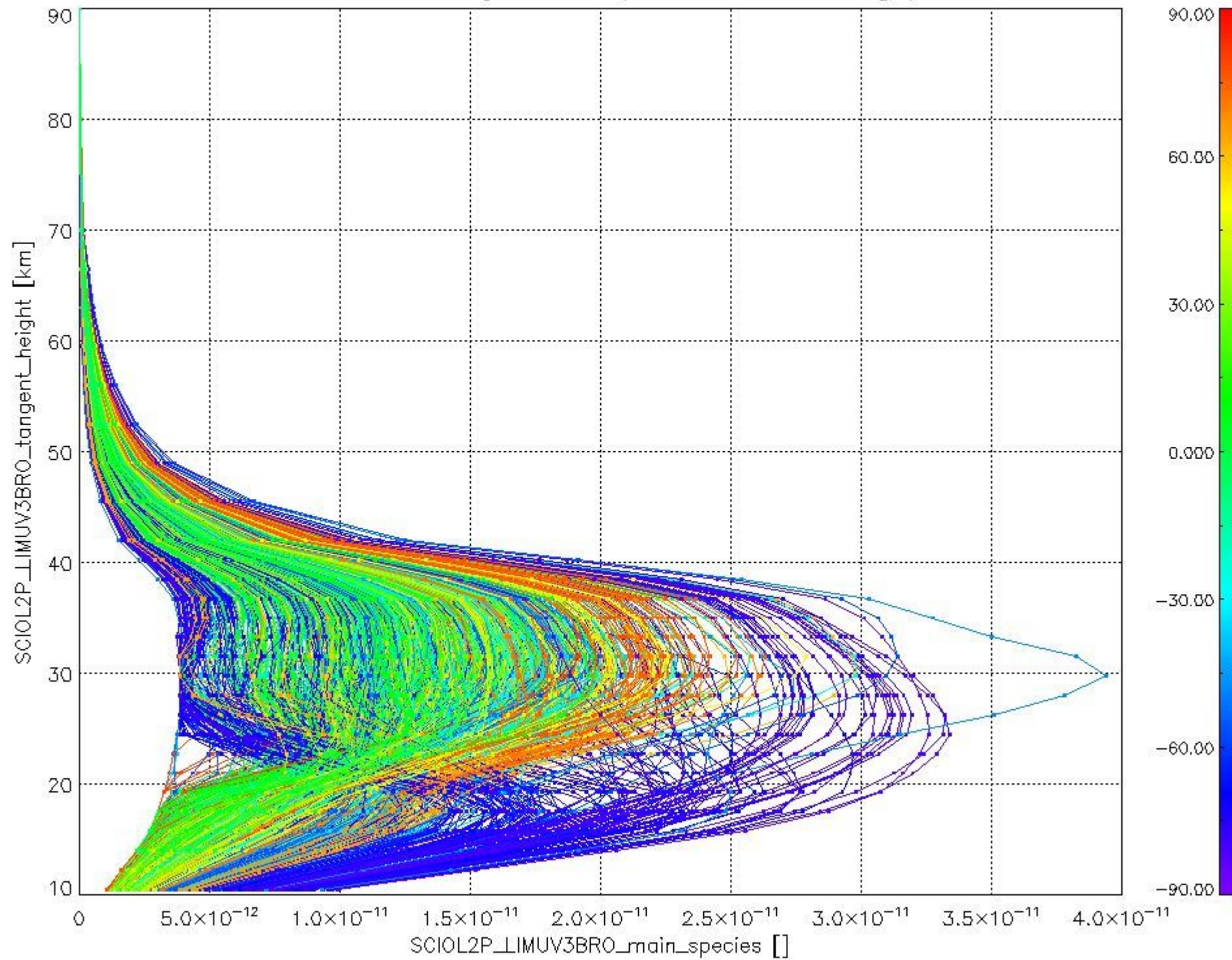
Plot of SCIOL2P\_LIMUV1NO2\_main\_species.tang\_vmr vs. tangent height.  
 Colours indicate tangent latitude (see colour bar on the right).



2.2.3.3 BrO (UV3)



Plot of SCIOL2P\_LIMUV3BRO\_main\_species.tang\_vmr vs. tangent height.  
Colours indicate tangent latitude (see colour bar on the right).



### 2.3 ADF monitoring

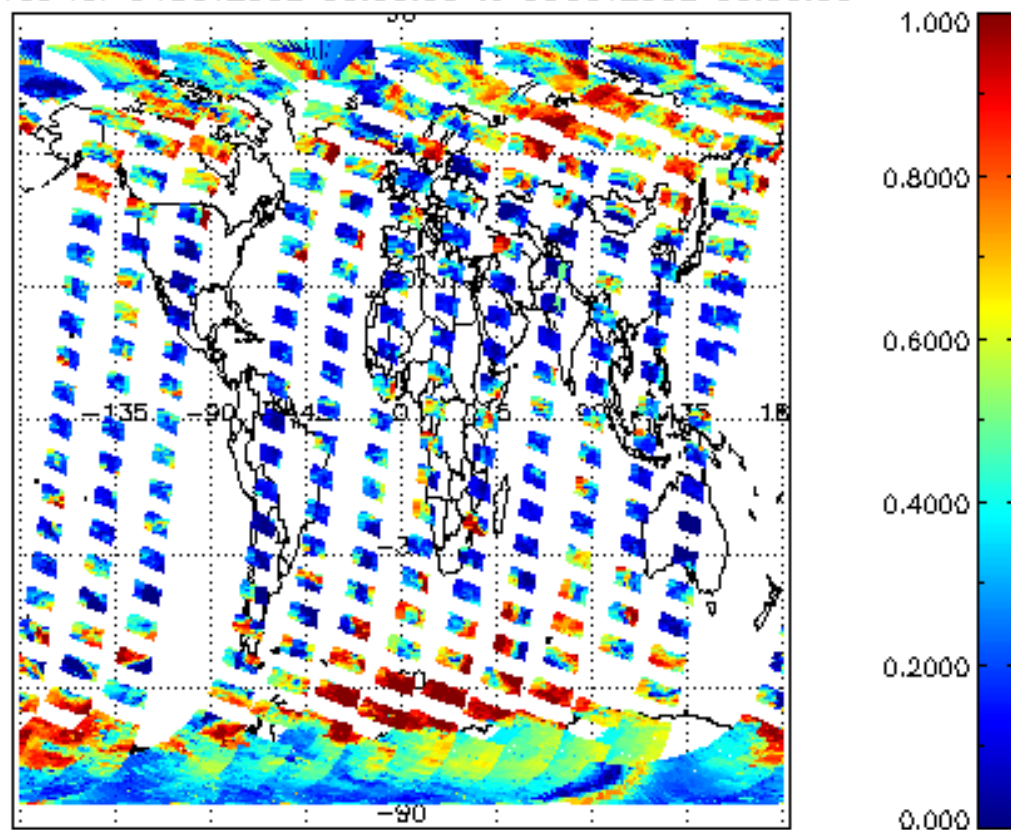
Number	ADF
	<b>IN_ (INITIALISATION_FILE)</b>
0	SCI_IN_AXNPDE20110201_120000_20020301_000000_20991231_235959
	<b>ECF (ECMWF_FILE)</b>
1	NOT USED
	<b>MF1 (M_FACTOR_FILE)</b>
2	SCI_MF1_AXNIEC20100218_140120_20021003_151250_20021005_151250
3	SCI_MF1_AXNIEC20100218_140222_20021004_162148_20021006_162148



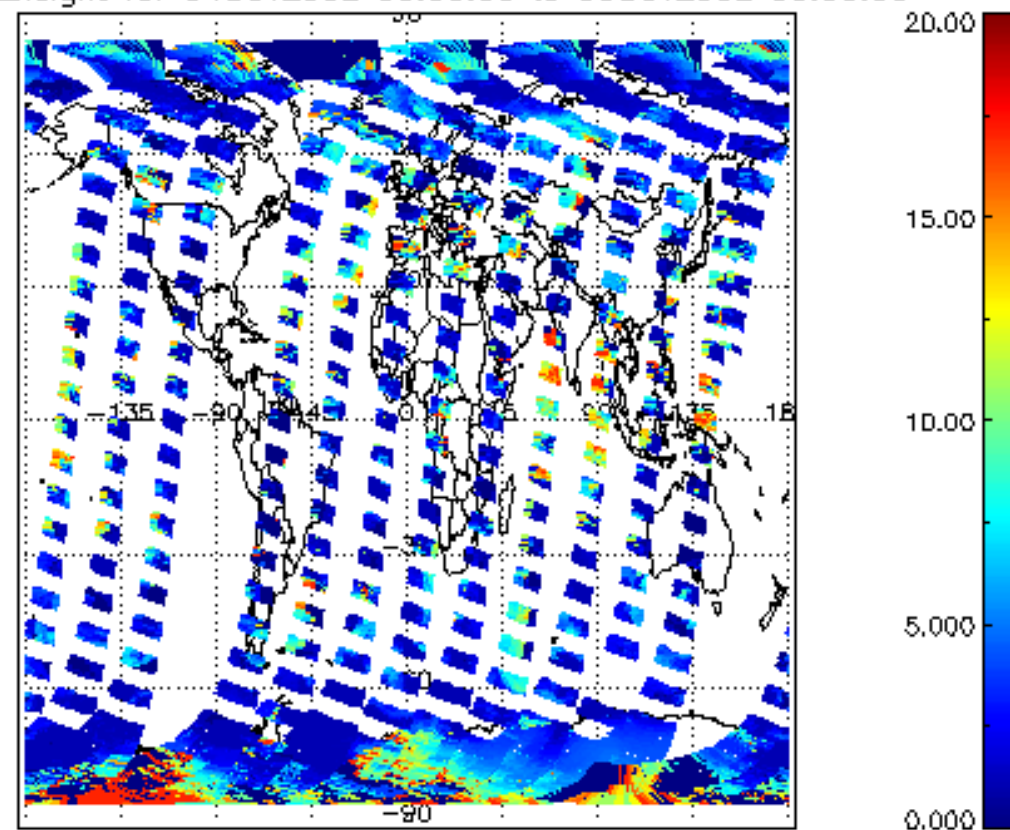




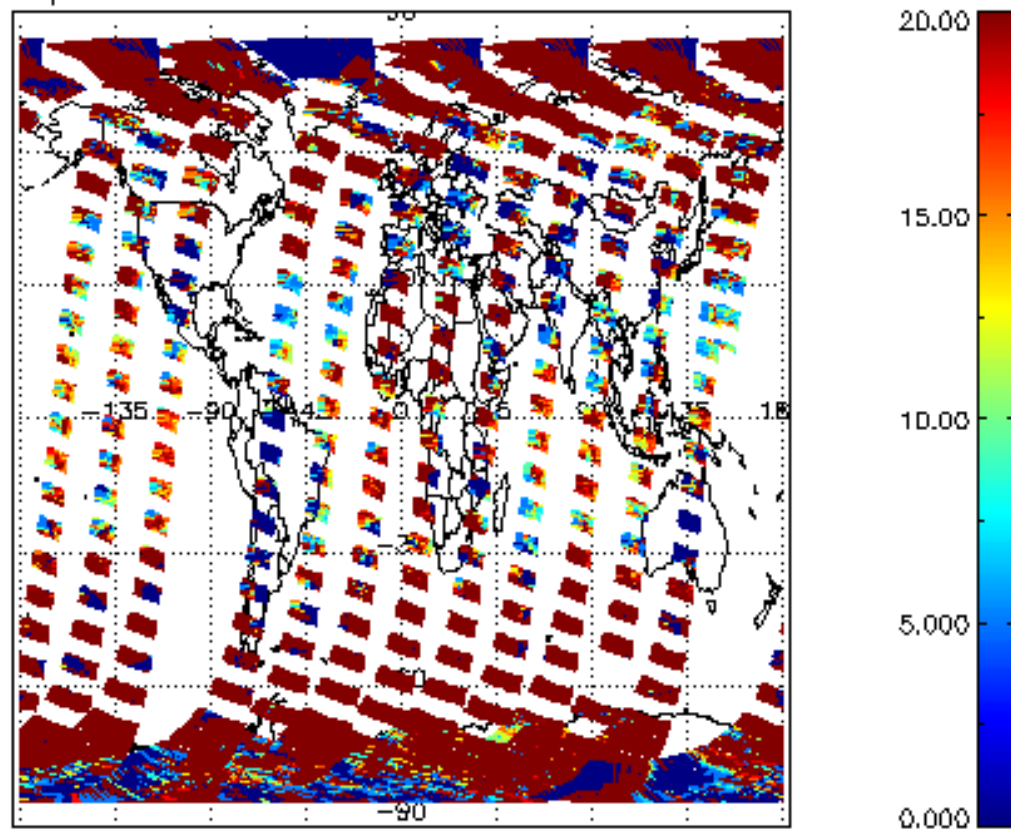
cl\_frac for 04OCT2002 00:00:00 to 05OCT2002 00:00:00



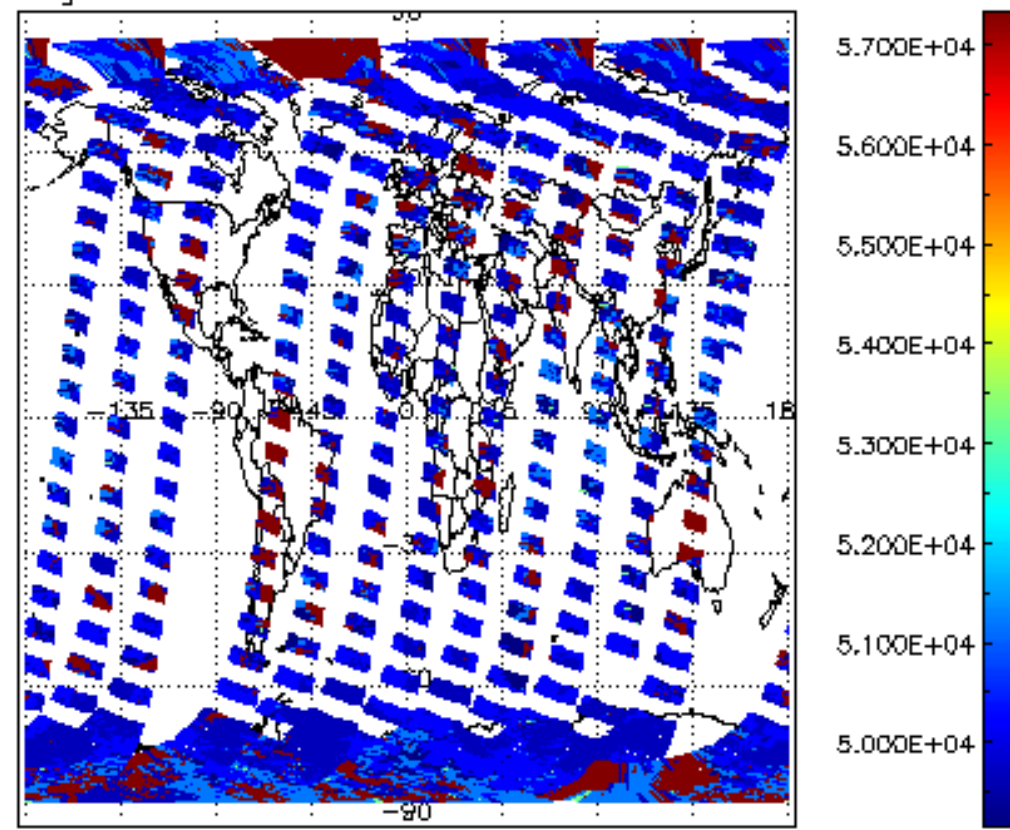
cl\_top\_height for 04OCT2002 00:00:00 to 05OCT2002 00:00:00

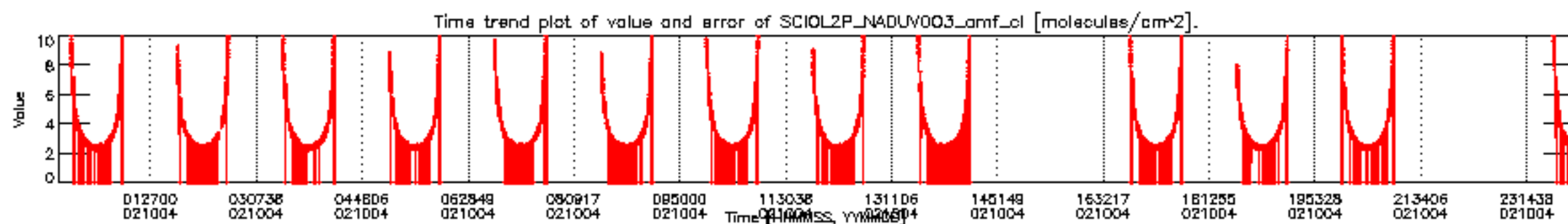
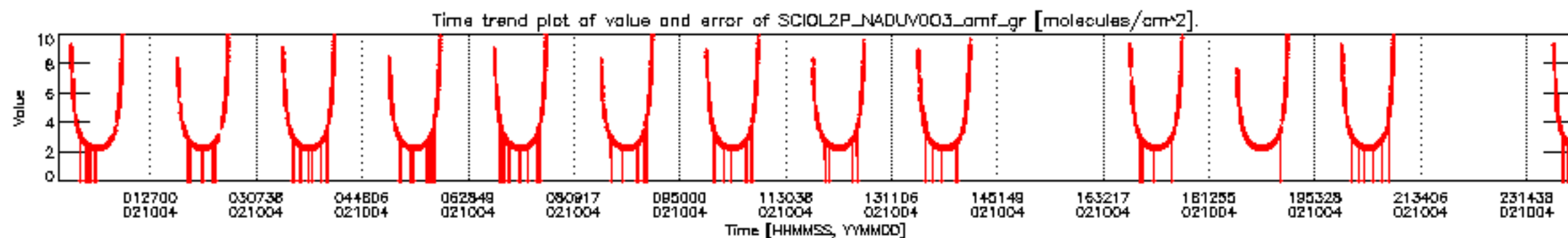
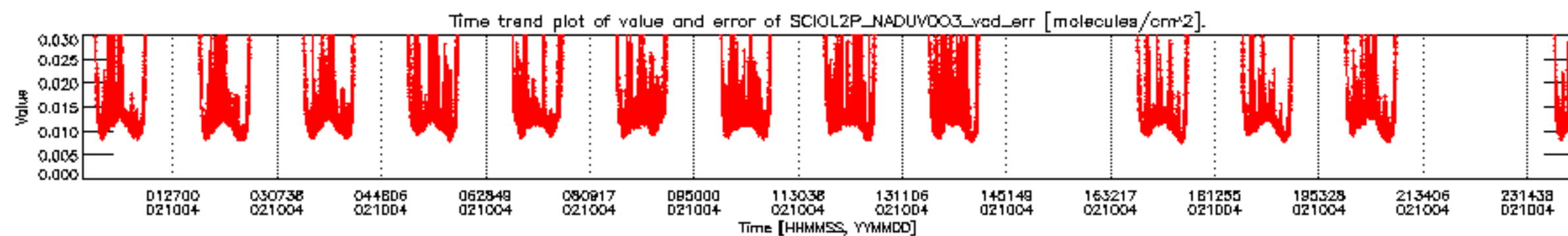
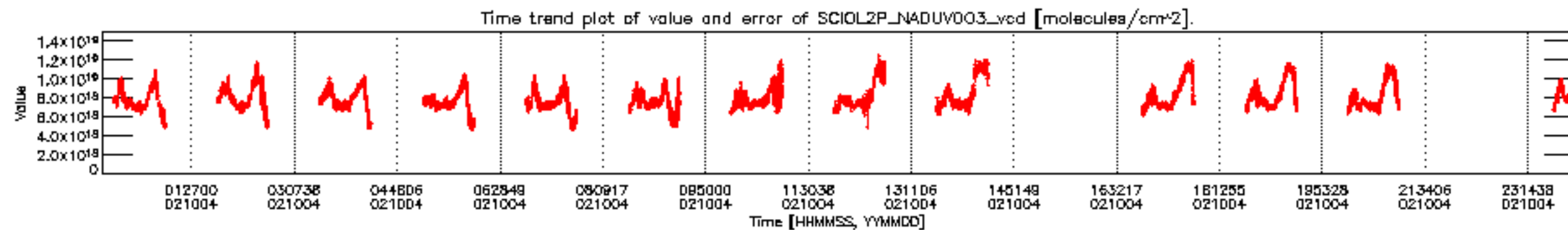


cl\_opt\_depth for 04OCT2002 00:00:00 to 05OCT2002 00:00:00



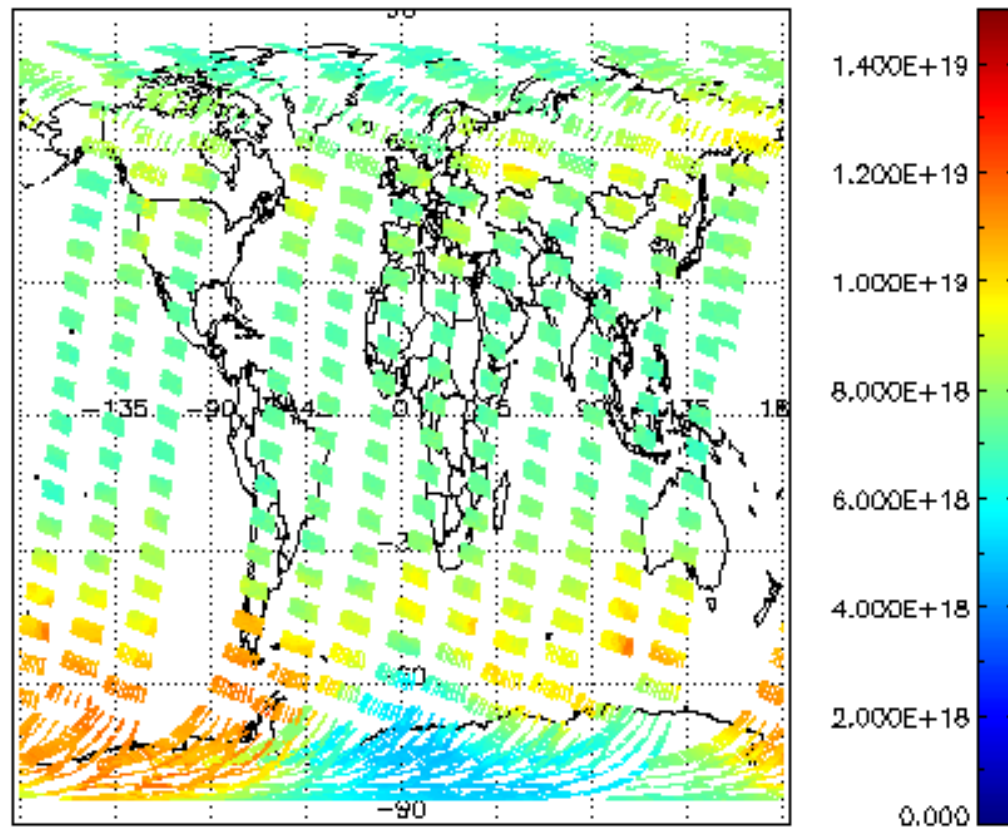
cloud\_flags for 04OCT2002 00:00:00 to 05OCT2002 00:00:00



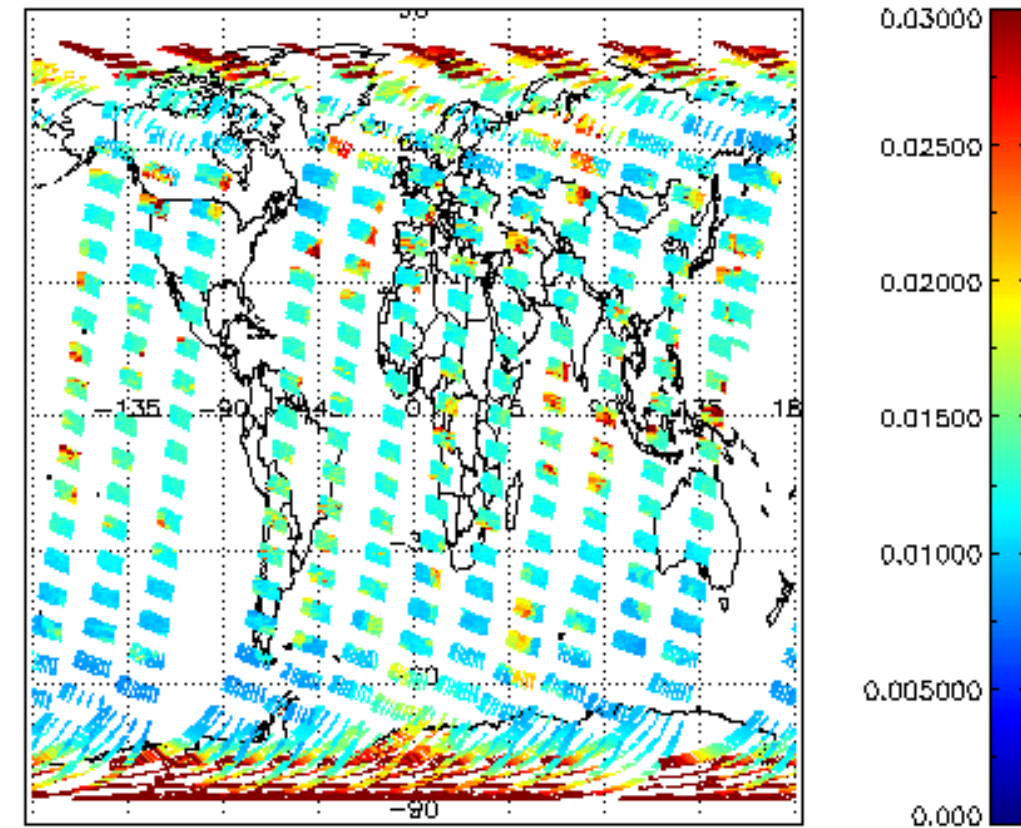




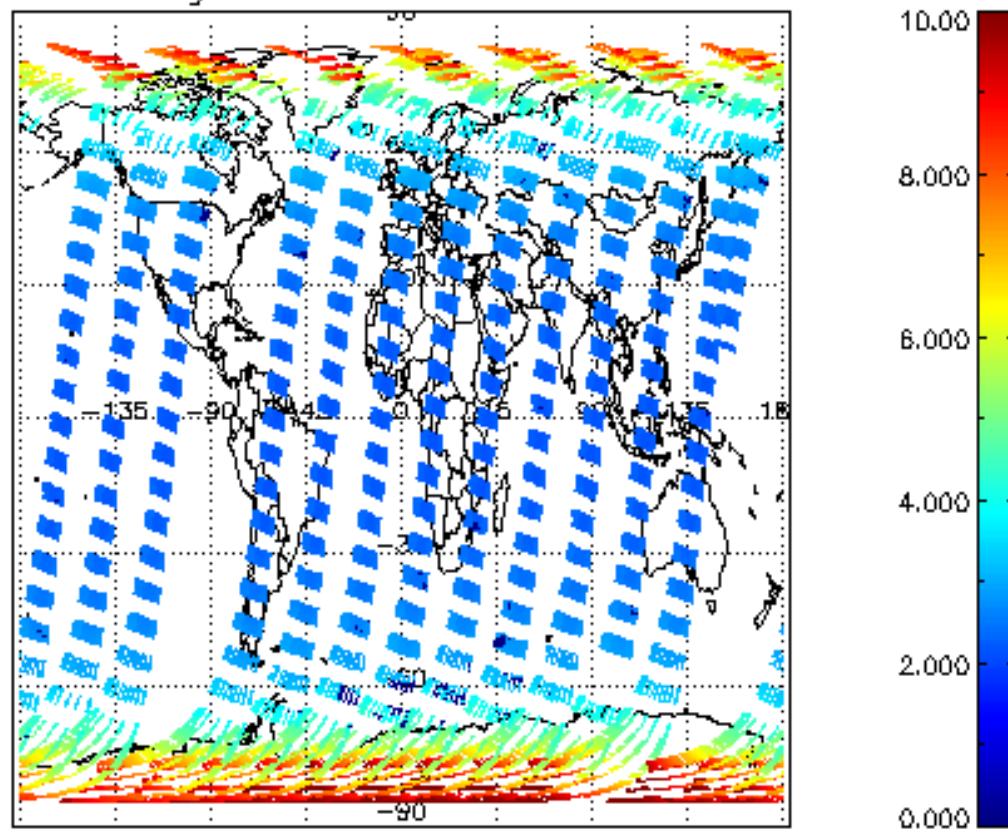
SCIOL2P\_NADUV003\_vcd for 04OCT2002 00:00:00 to 05OCT2002 00:00:00



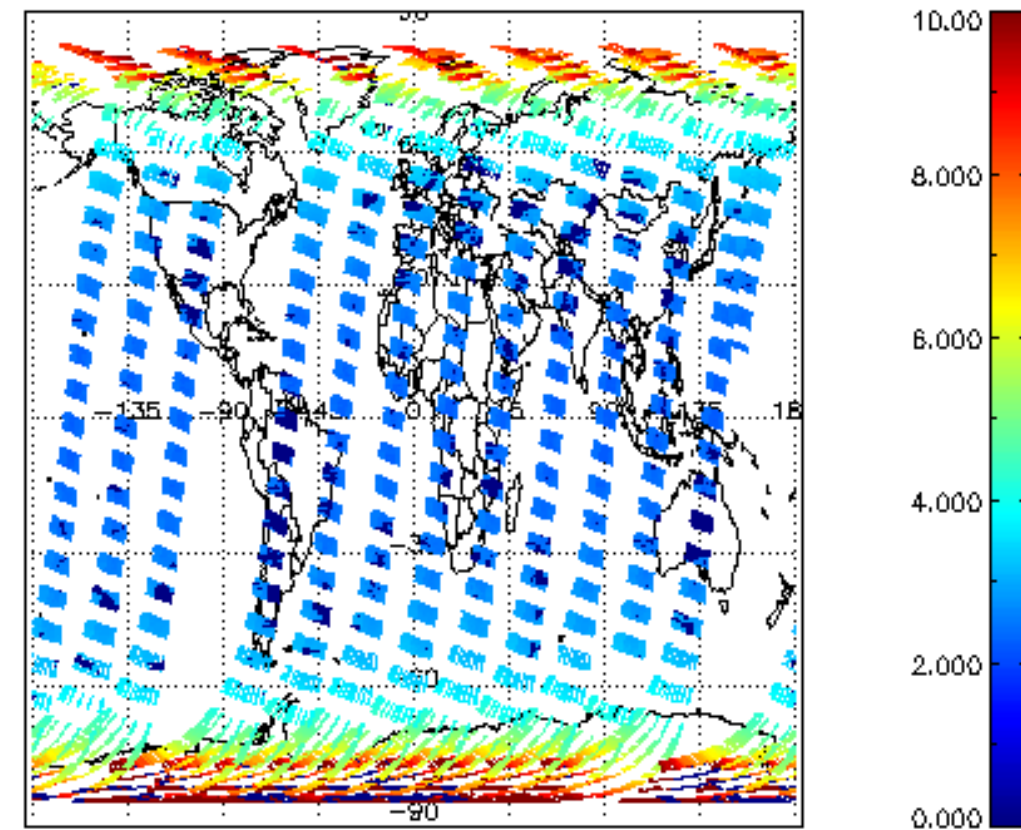
SCIOL2P\_NADUV003\_vcd\_err for 04OCT2002 00:00:00 to 05OCT2002 00:00:00

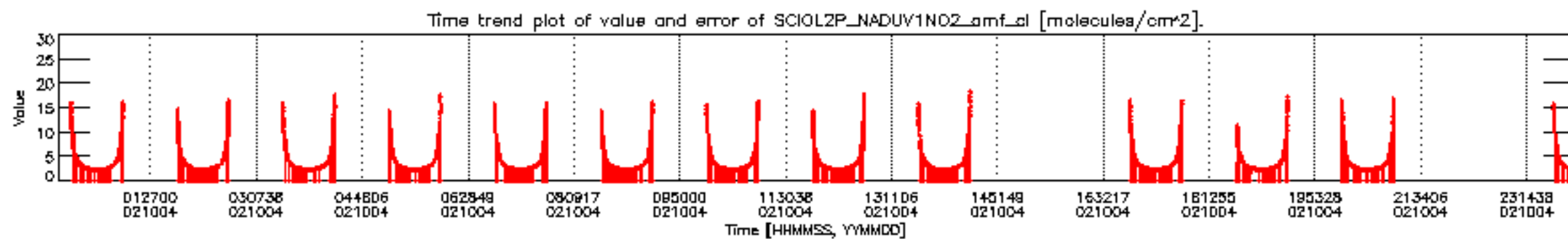
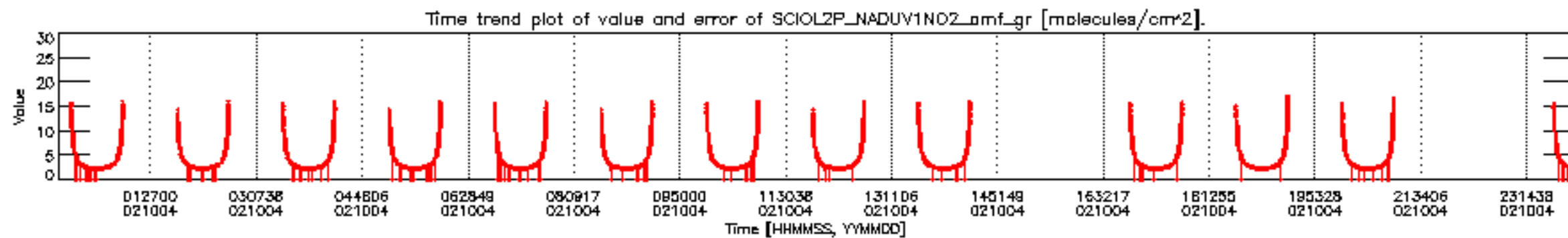
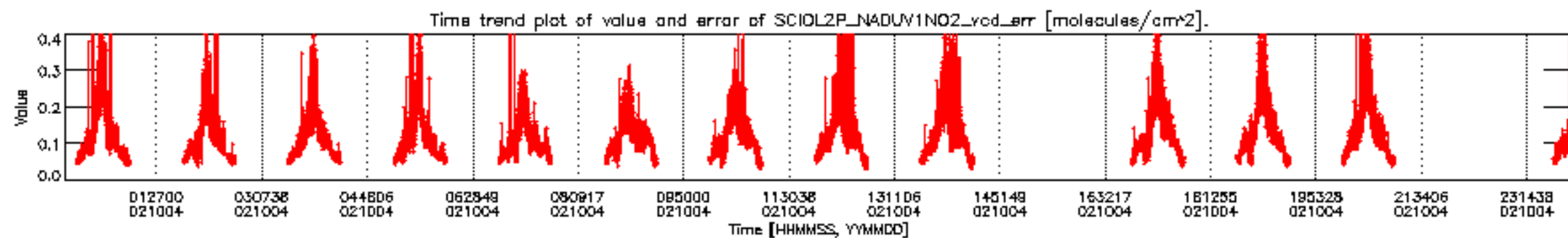
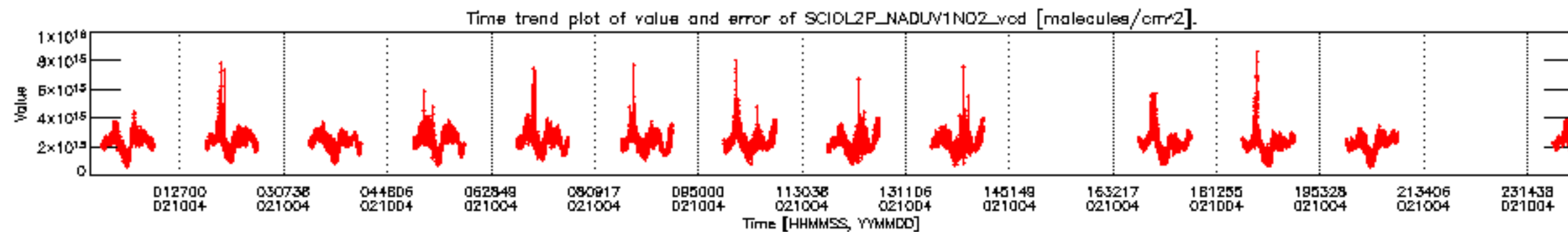


SCIOL2P\_NADUV003\_amf\_gr for 04OCT2002 00:00:00 to 05OCT2002 00:00:00



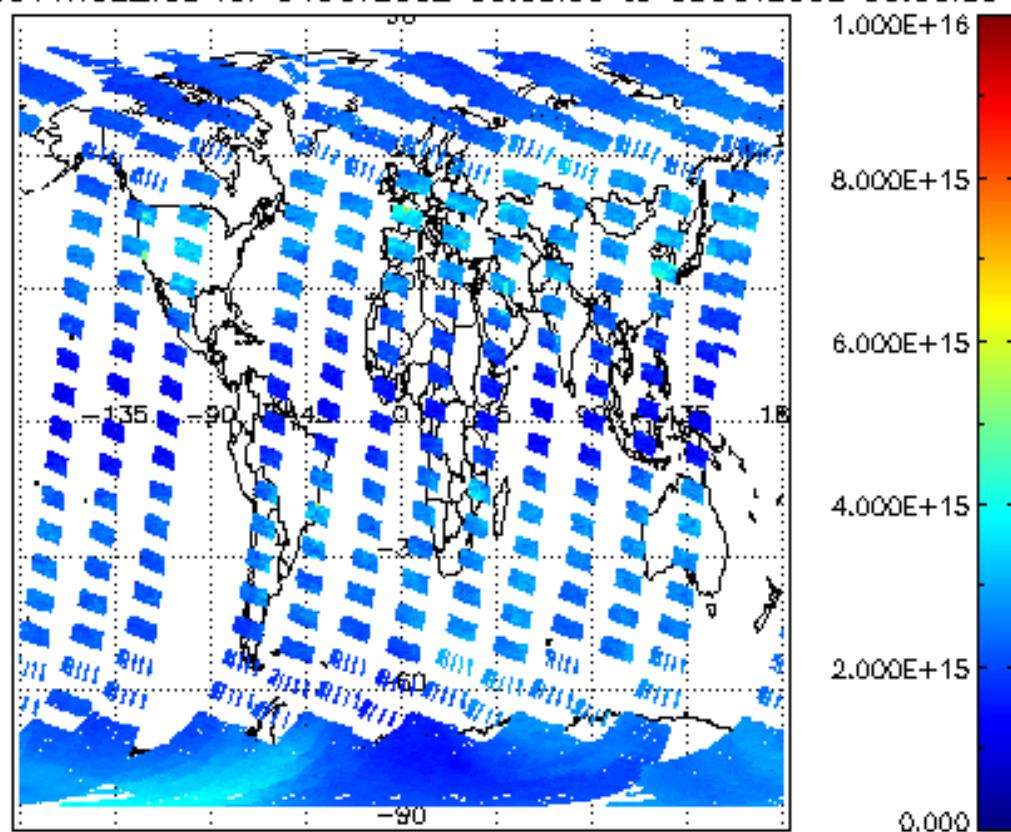
SCIOL2P\_NADUV003\_amf\_el for 04OCT2002 00:00:00 to 05OCT2002 00:00:00



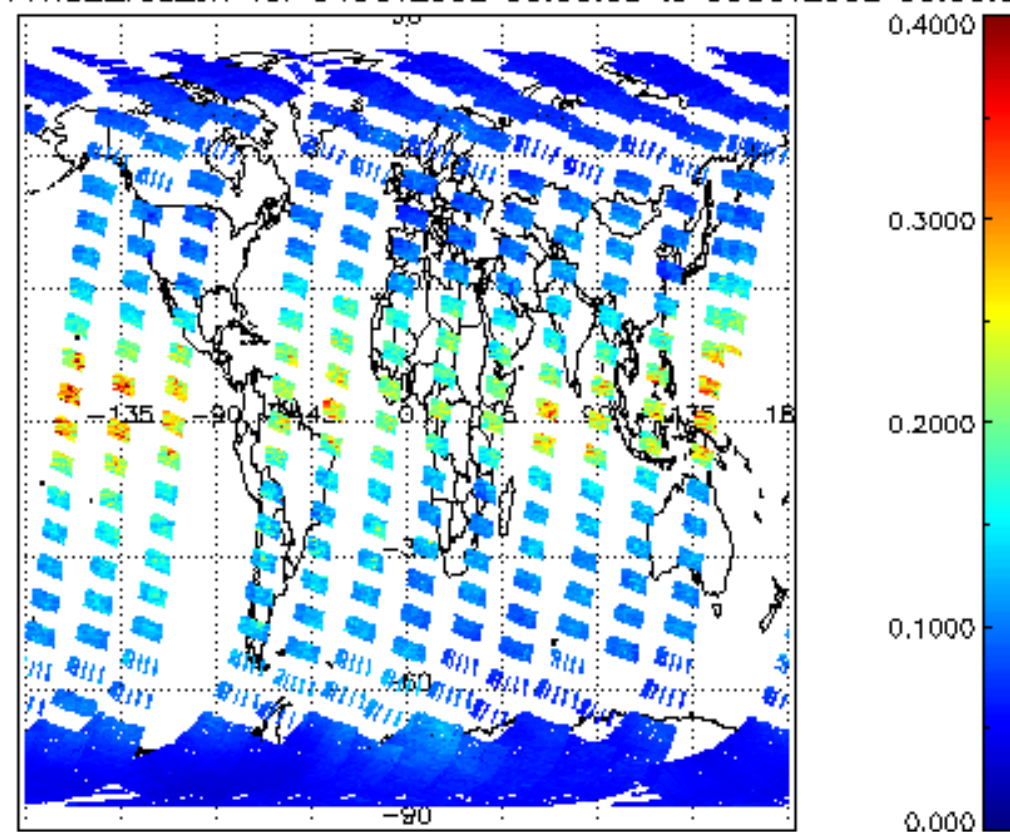




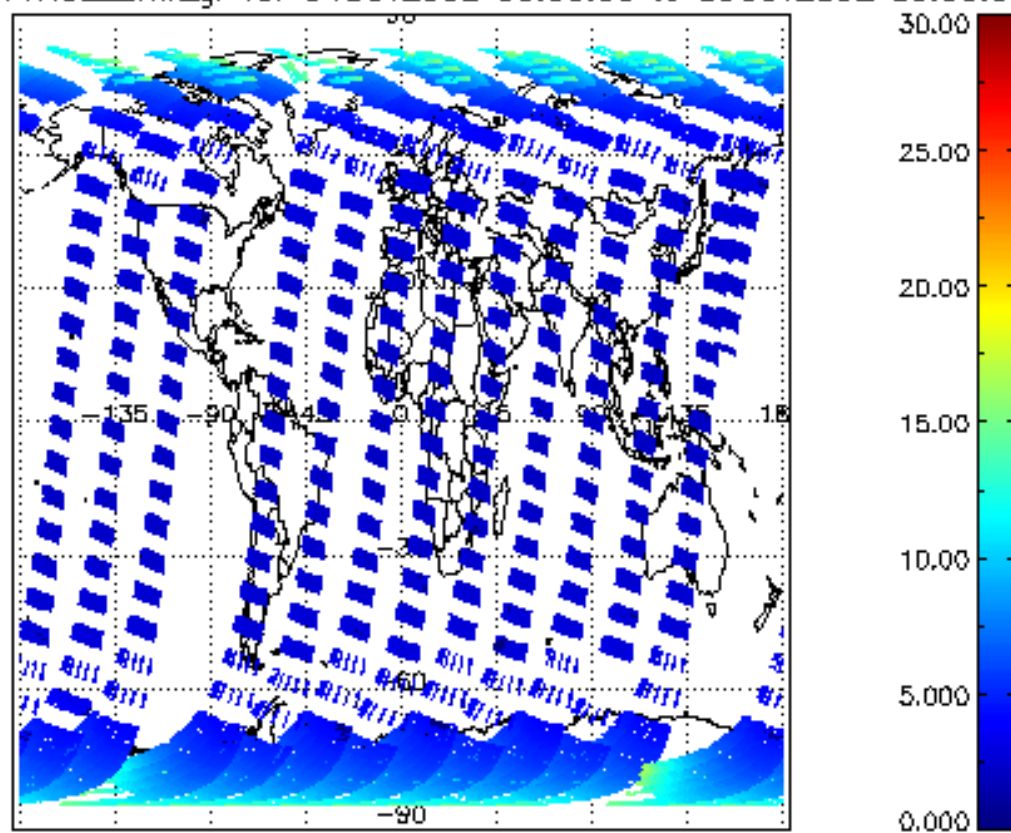
SCIOL2P\_NADUV1NO2\_vcd for 04OCT2002 00:00:00 to 05OCT2002 00:00:00



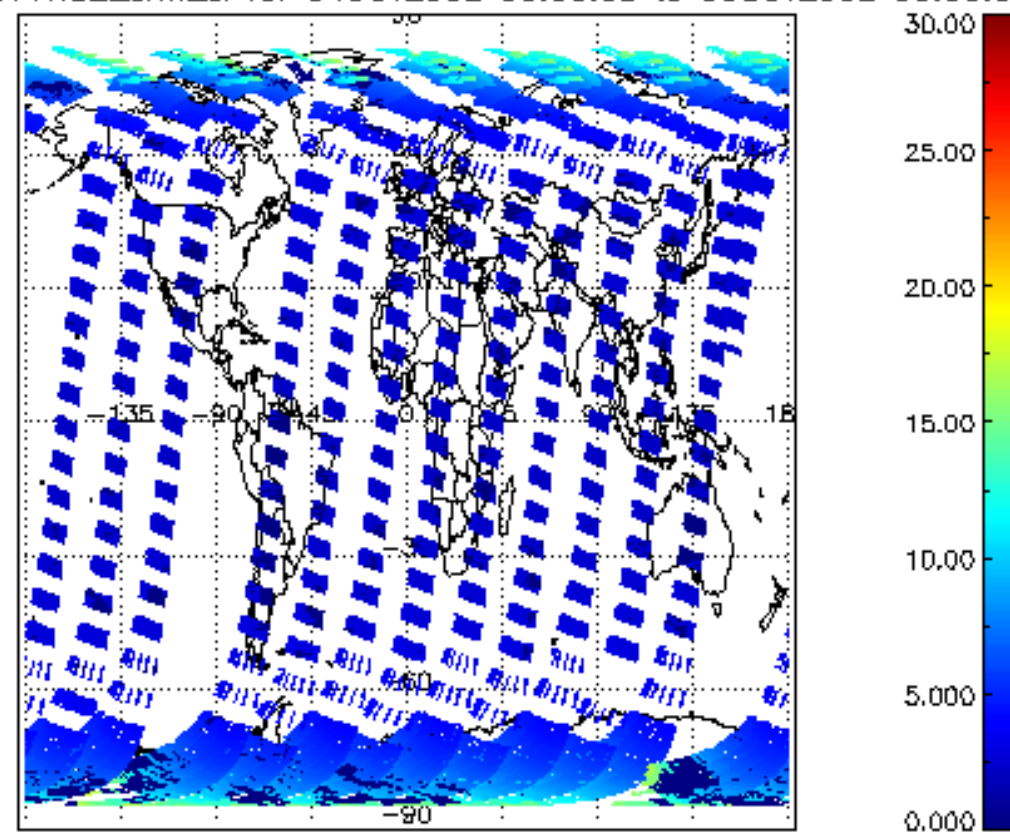
ICIOL2P\_NADUV1NO2\_vcd\_err for 04OCT2002 00:00:00 to 05OCT2002 00:00:00



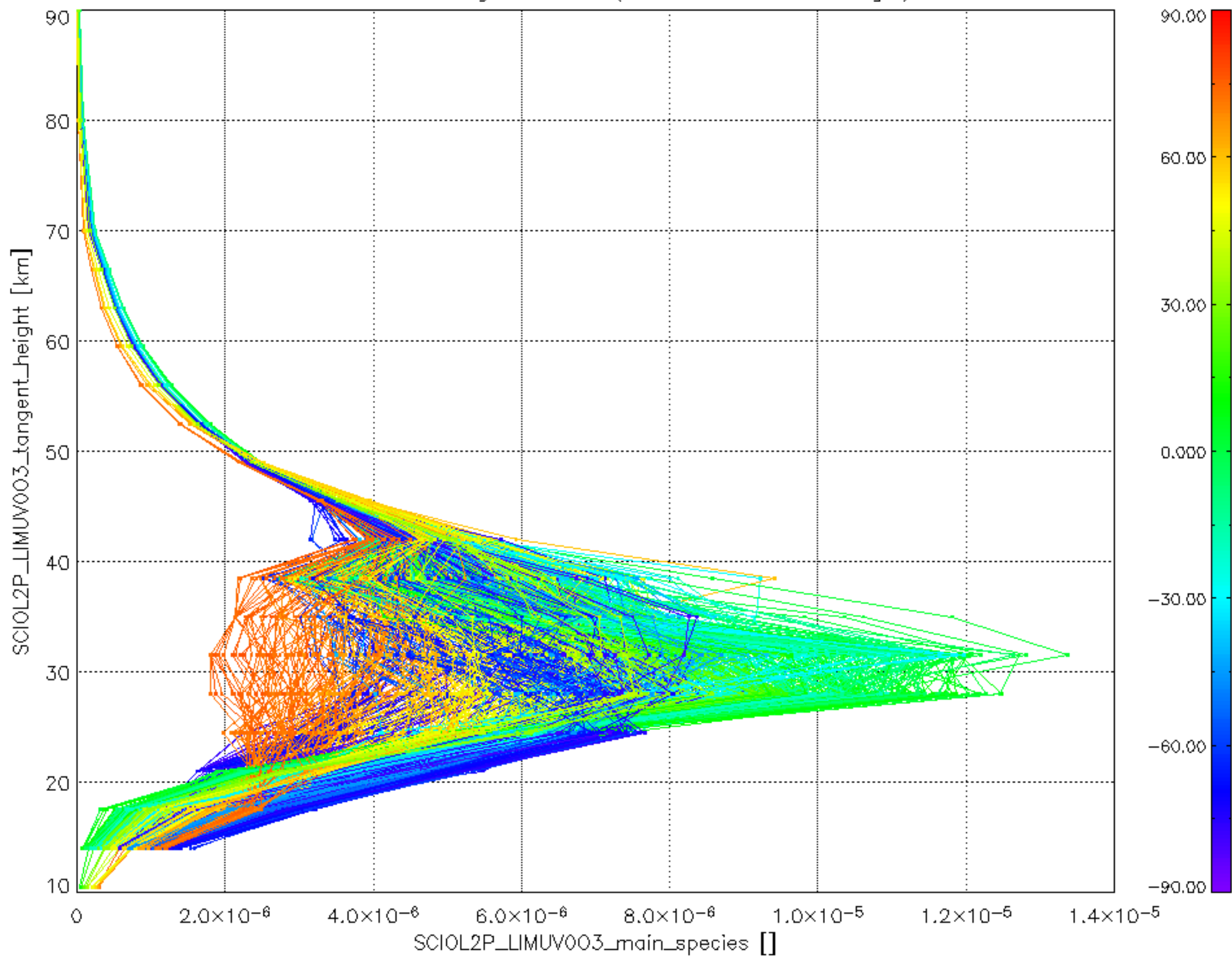
ICIOL2P\_NADUV1NO2\_amf\_gr for 04OCT2002 00:00:00 to 05OCT2002 00:00:00



ICIOL2P\_NADUV1NO2\_amf\_cl for 04OCT2002 00:00:00 to 05OCT2002 00:00:00

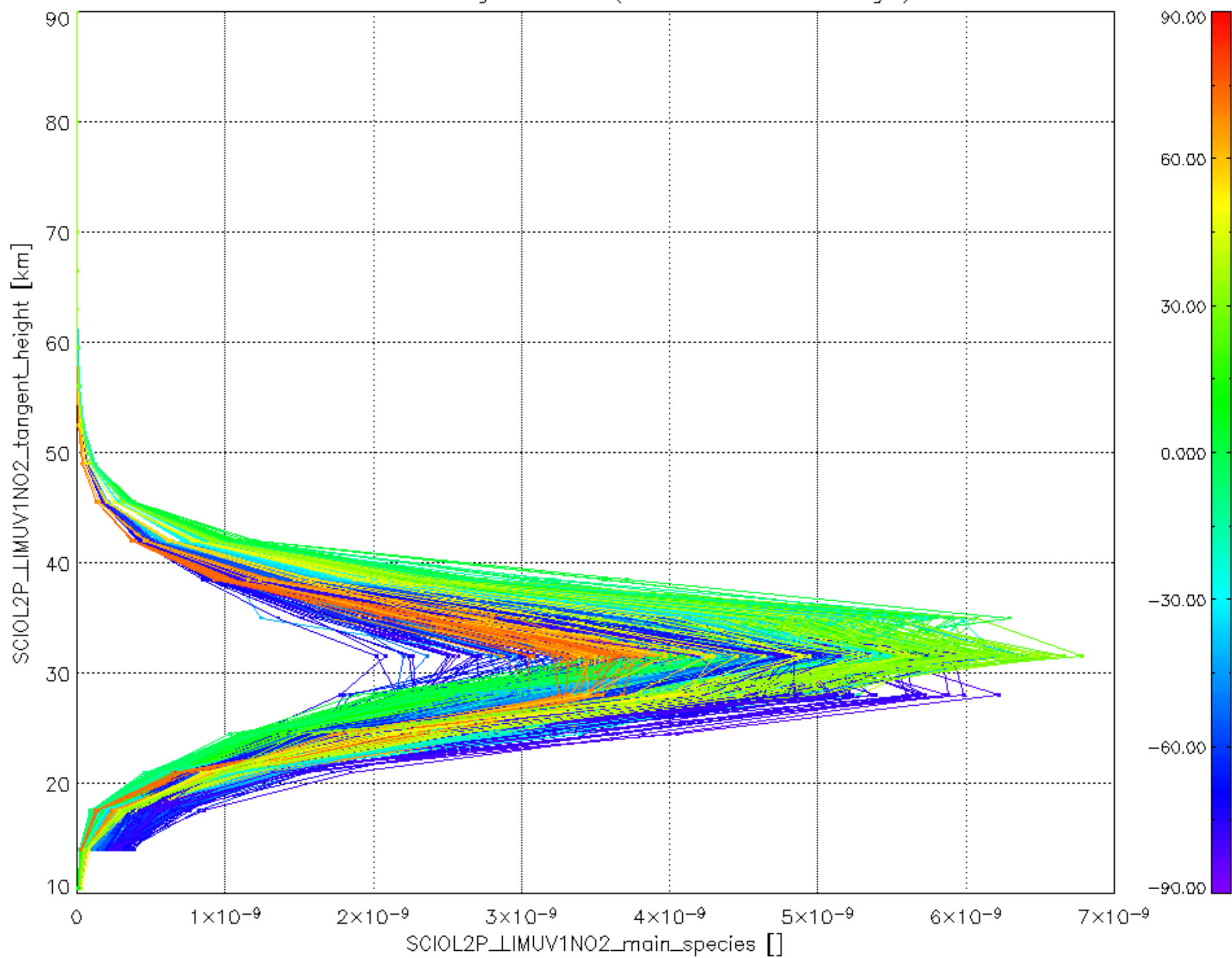


Plot of SCIOL2P\_LIMUV003\_main\_species.tang\_vmr vs. tangent height.  
 Colours indicate tangent latitude (see colour bar on the right).

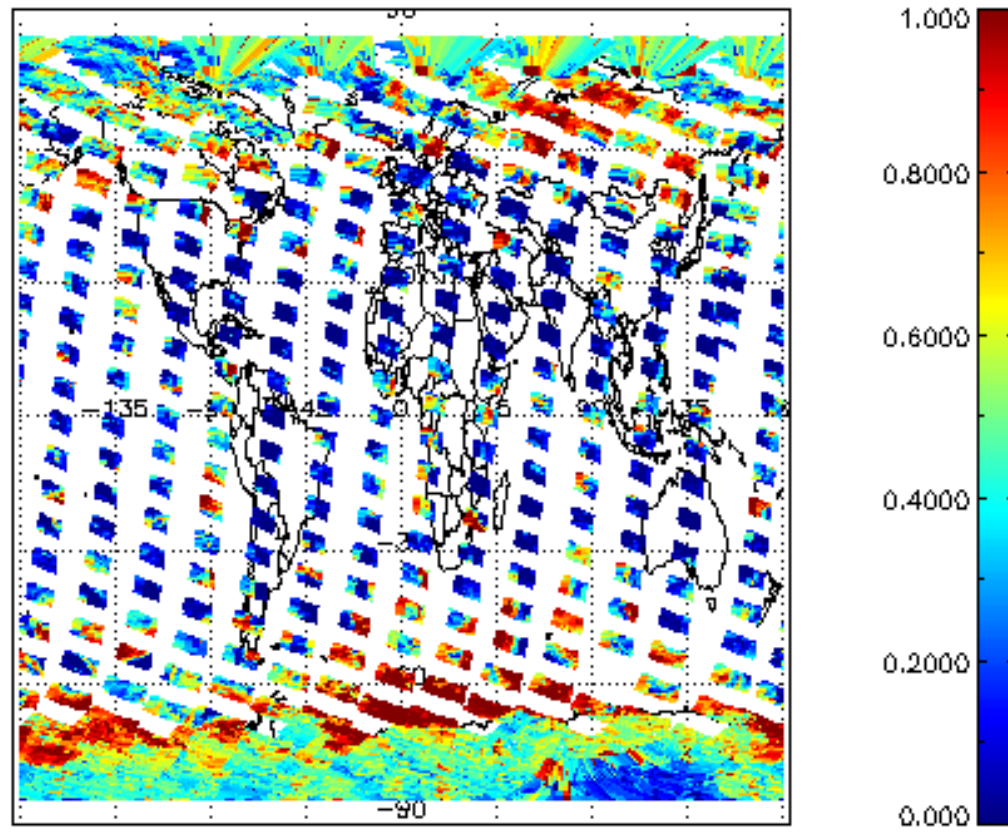




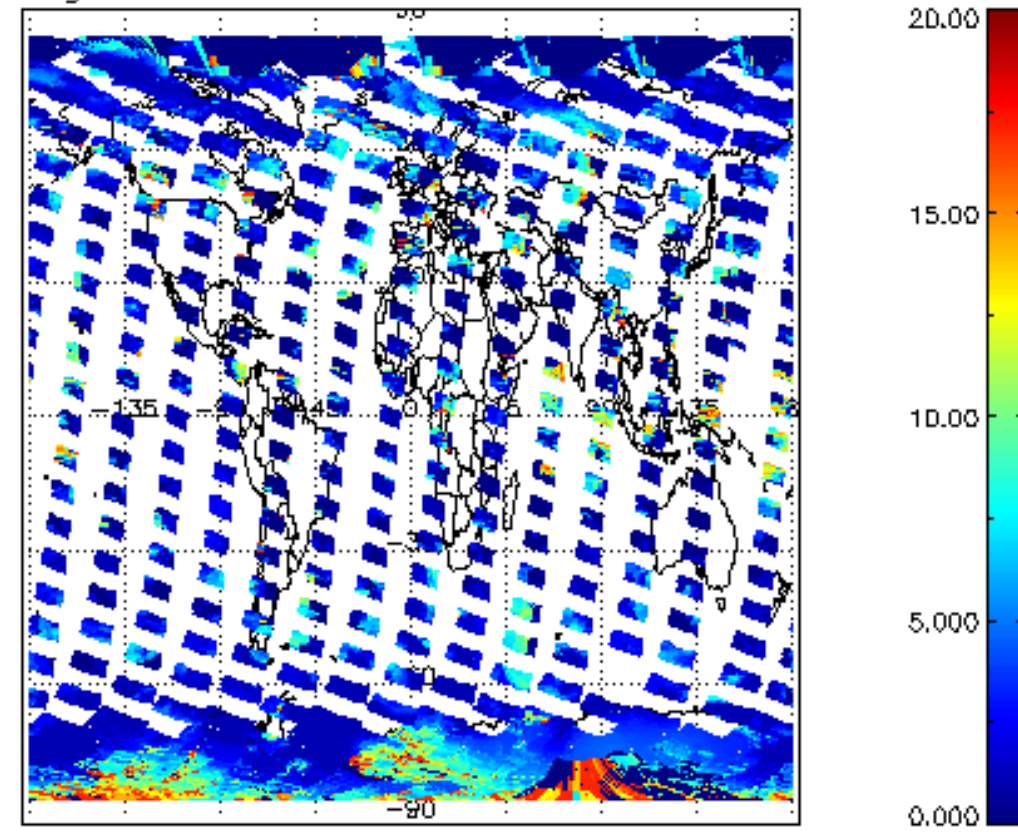
Plot of SCIOL2P\_LIMUV1N02\_main\_species.tang\_vmr vs. tangent height.  
 Colours indicate tangent latitude (see colour bar on the right).



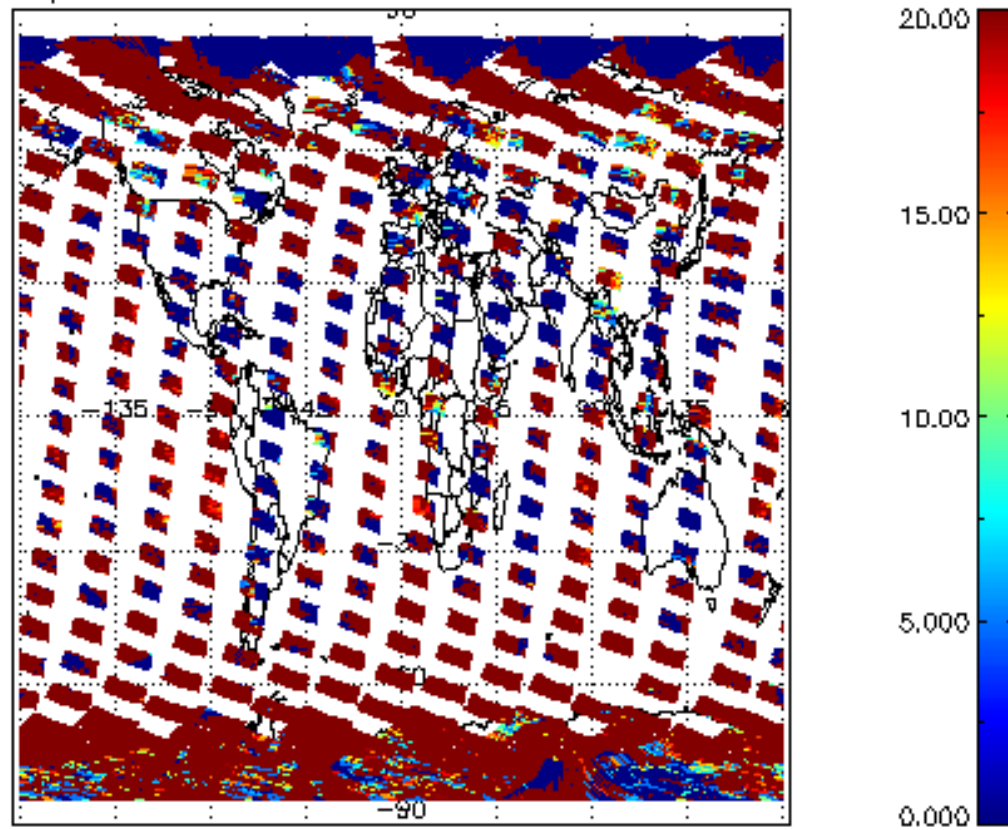
cl\_frac for 04OCT2002 00:00:00 to 05OCT2002 00:00:00



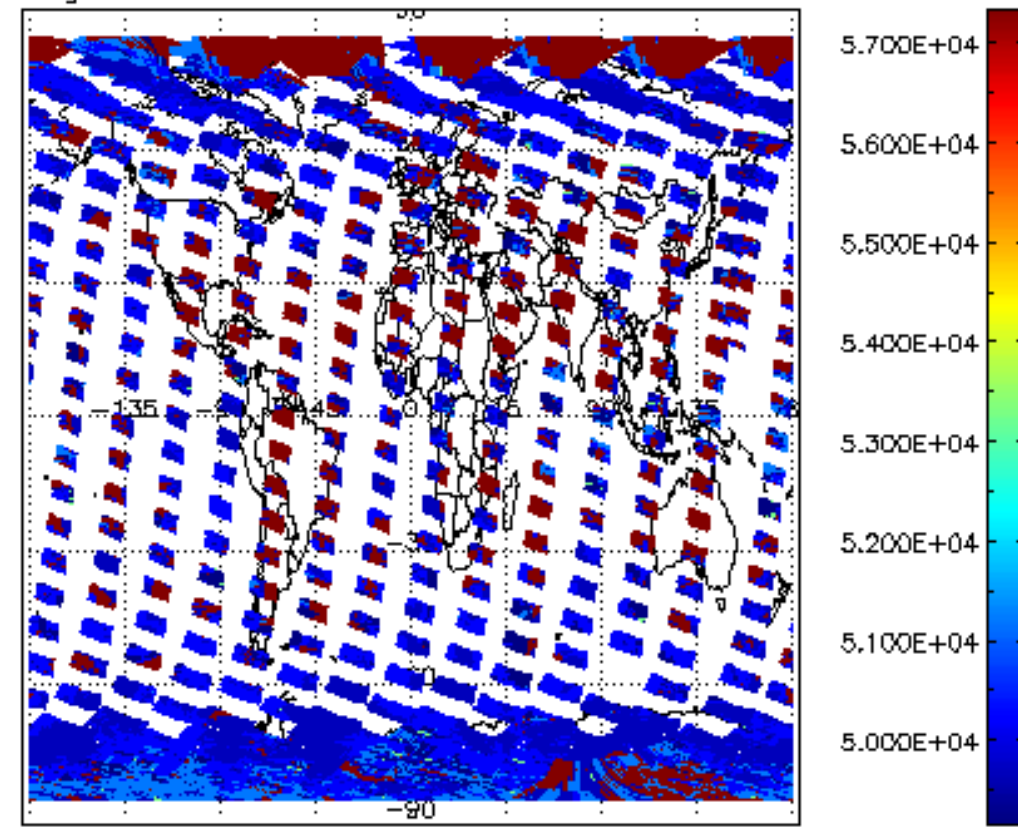
cl\_top\_height for 04OCT2002 00:00:00 to 05OCT2002 00:00:00



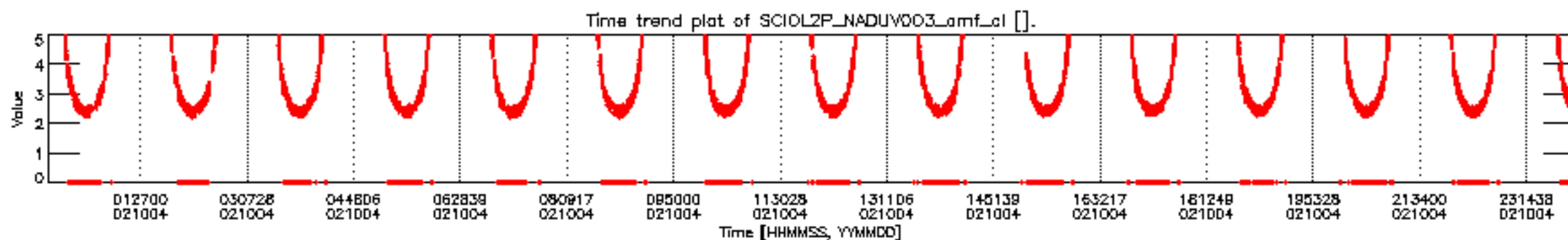
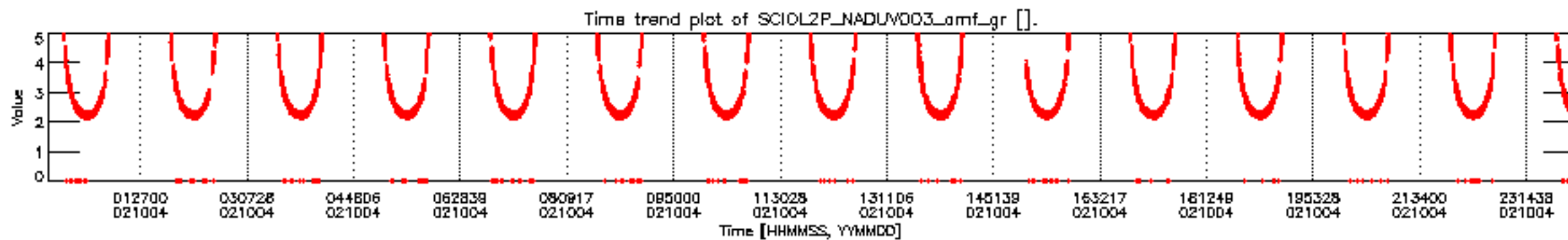
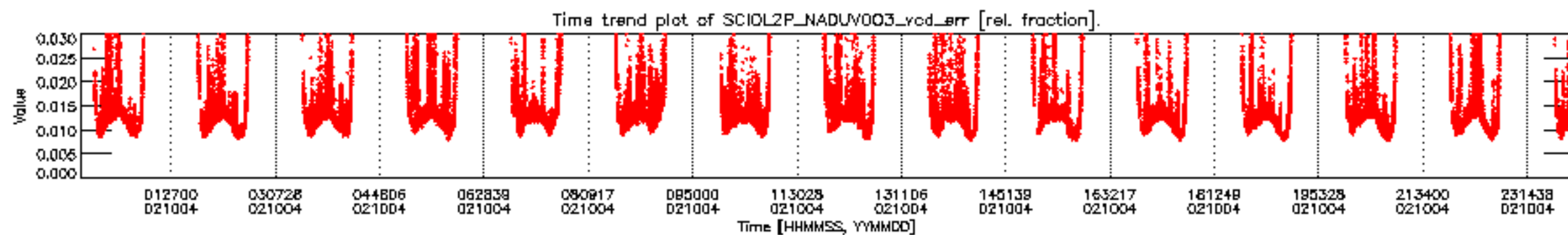
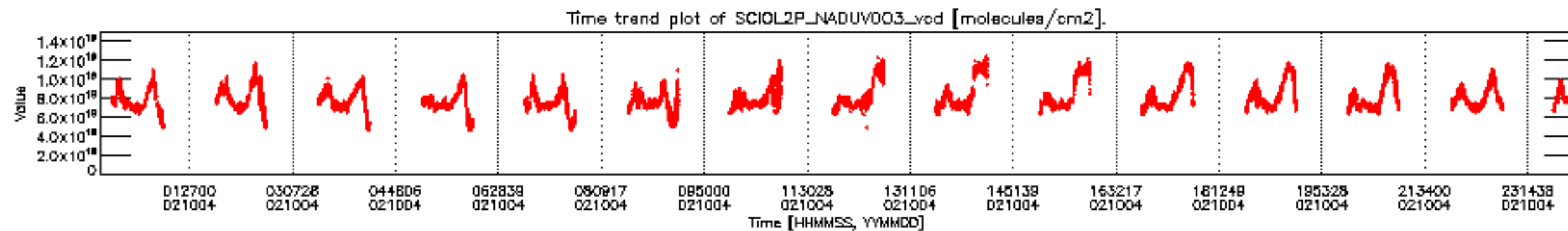
cl\_opt\_depth for 04OCT2002 00:00:00 to 05OCT2002 00:00:00



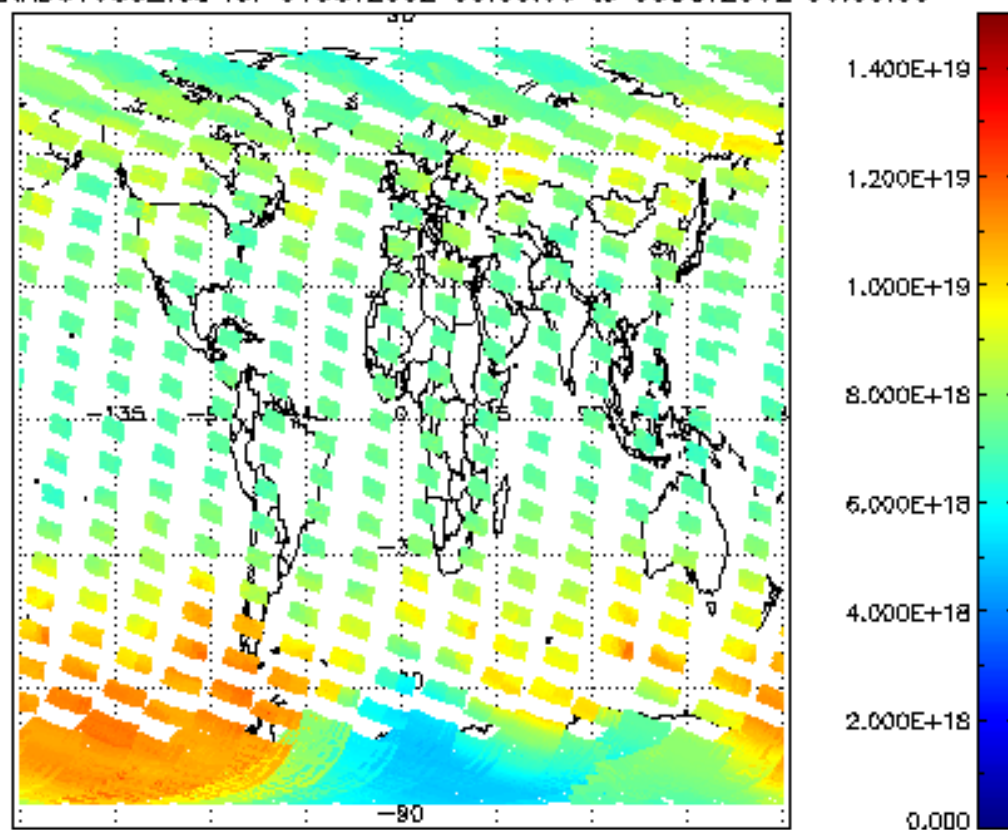
cloud\_flags for 04OCT2002 00:00:00 to 05OCT2002 00:00:00



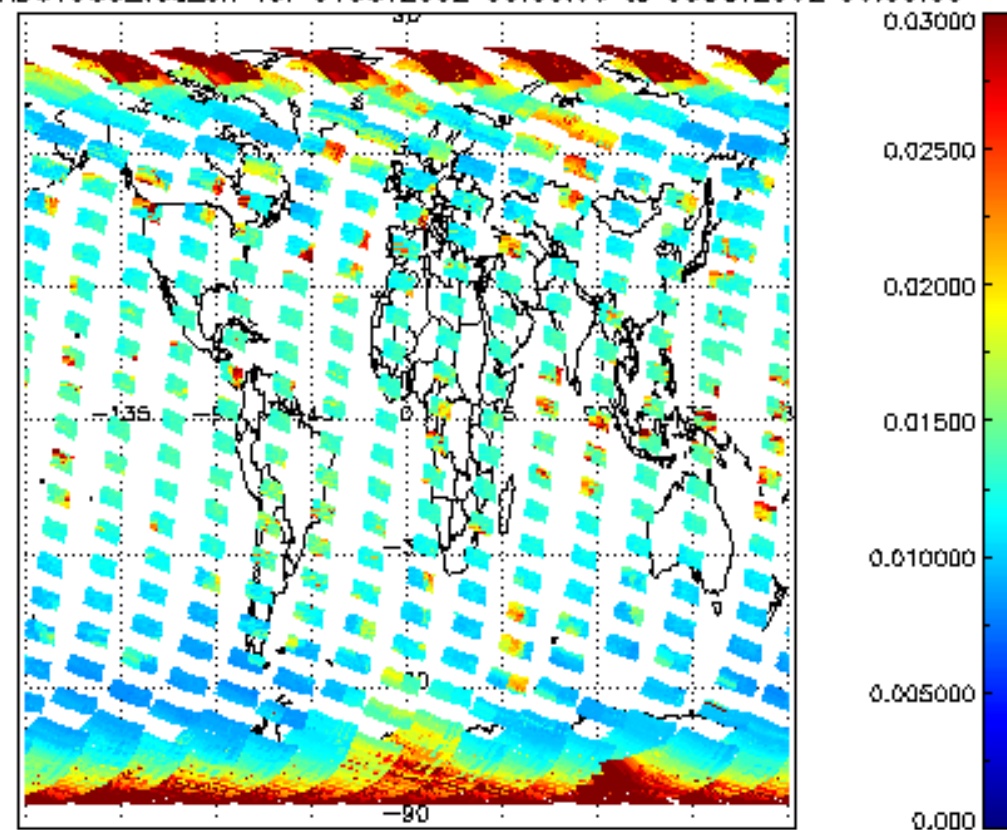




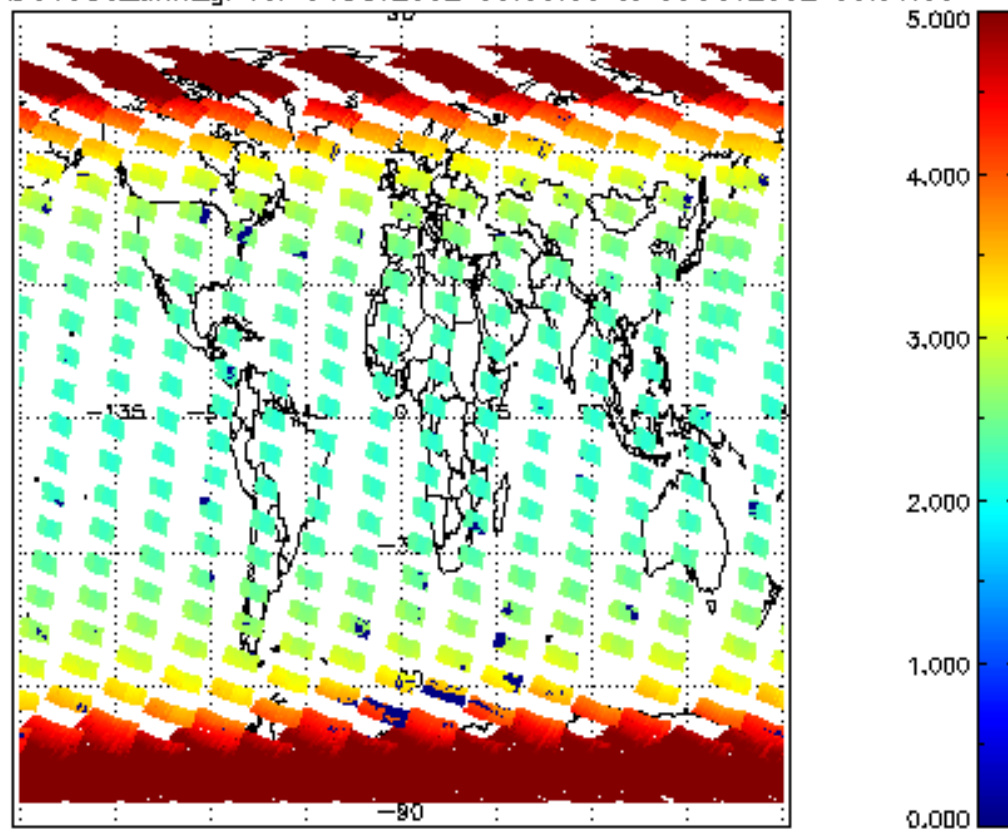
SCIOL2P\_NADUV003\_vcd for 04OCT2002 00:00:00 to 05OCT2002 00:00:00



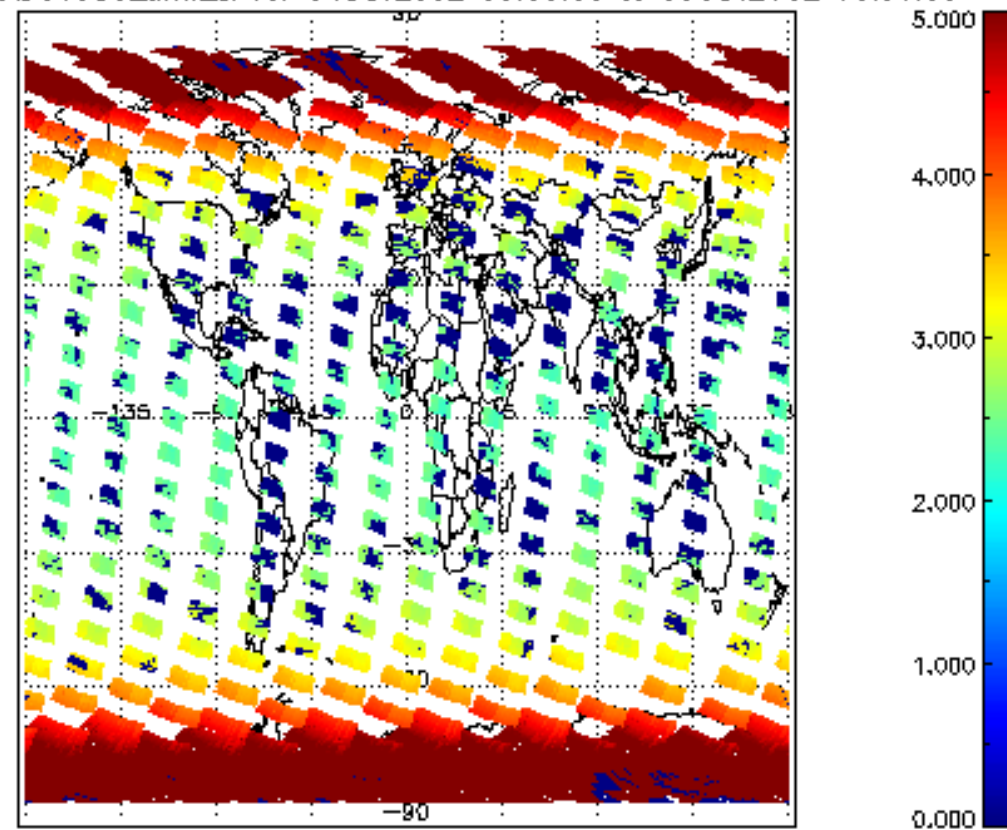
SCIOL2P\_NADUV003\_vcd\_err for 04OCT2002 00:00:00 to 05OCT2002 00:00:00



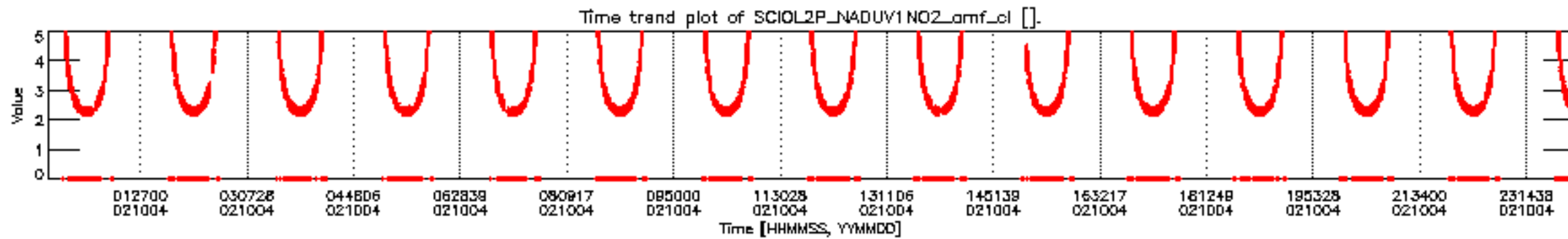
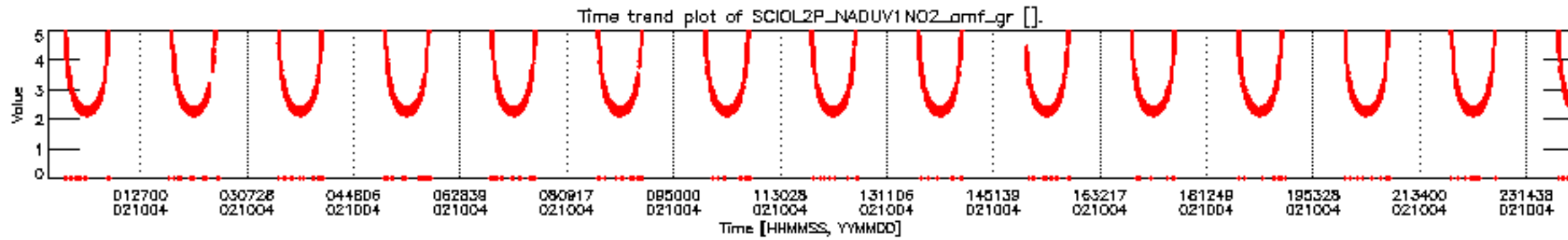
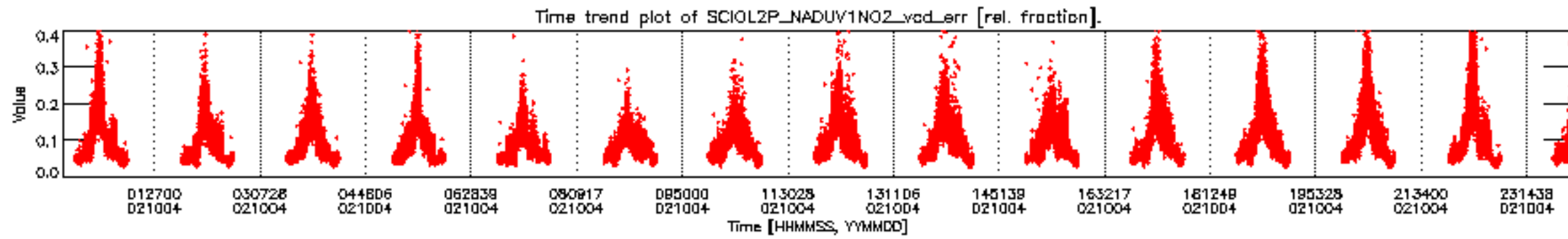
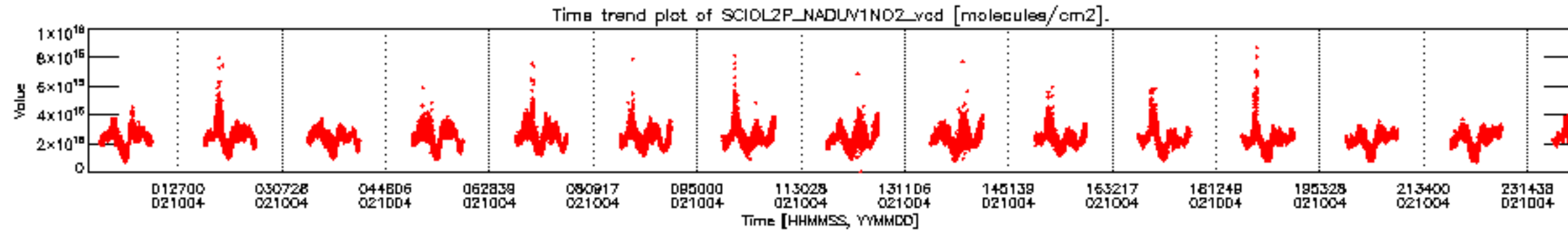
SCIOL2P\_NADUV003\_amf\_gr for 04OCT2002 00:00:00 to 05OCT2002 00:00:00



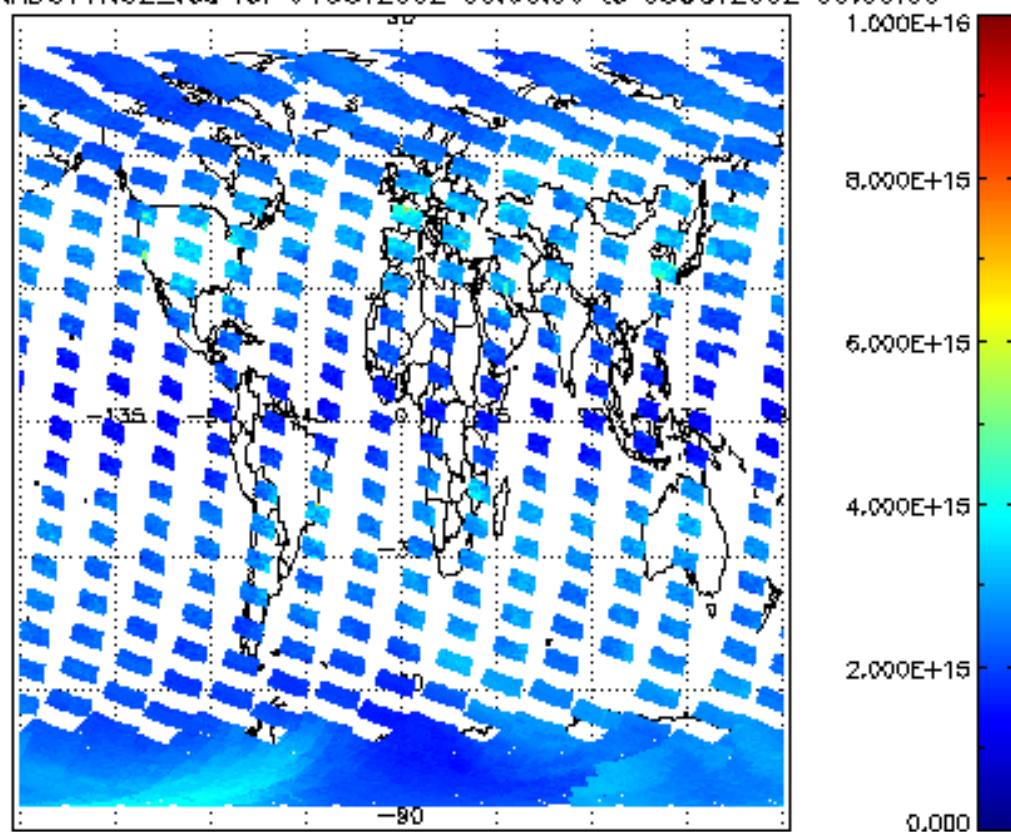
SCIOL2P\_NADUV003\_amf\_cl for 04OCT2002 00:00:00 to 05OCT2002 00:00:00



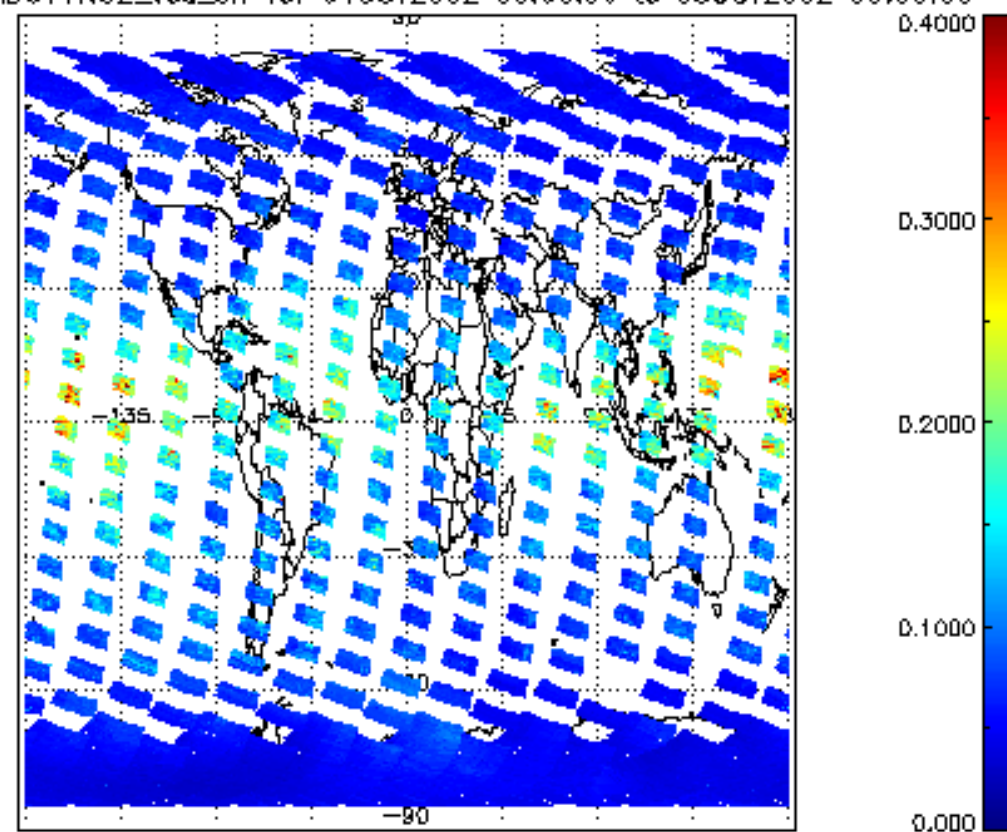




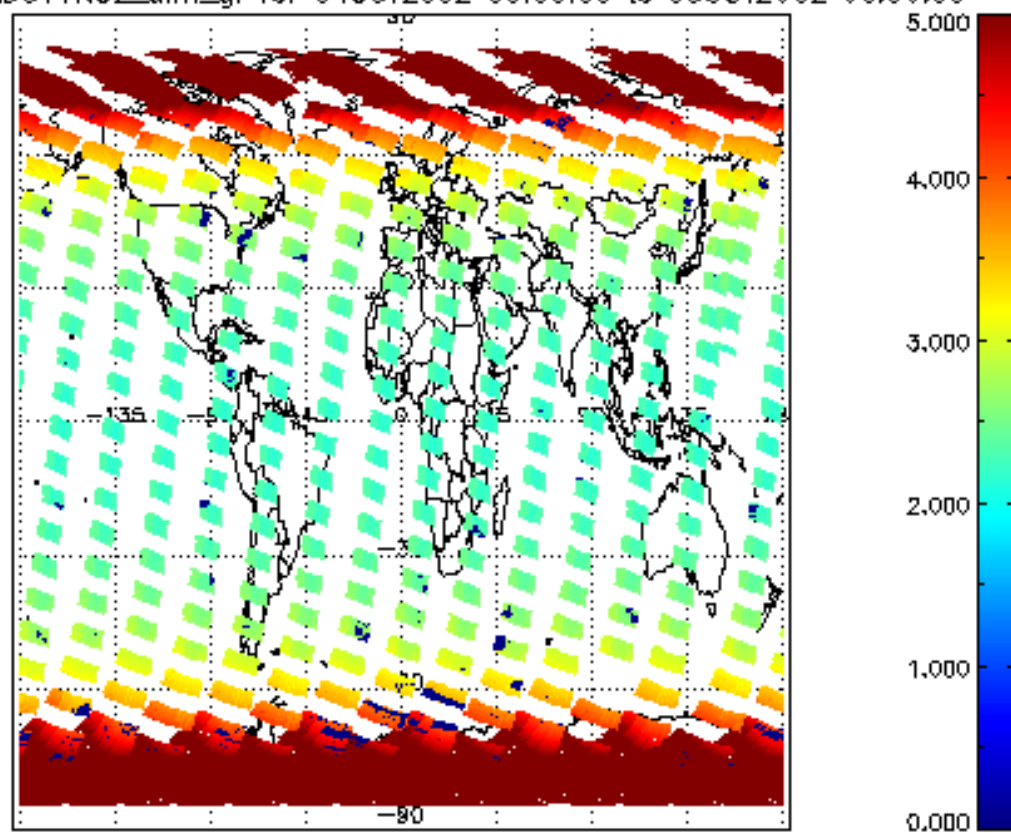
SCIOL2P\_NADUV1NO2\_vcd for 04OCT2002 00:00:00 to 05OCT2002 00:00:00



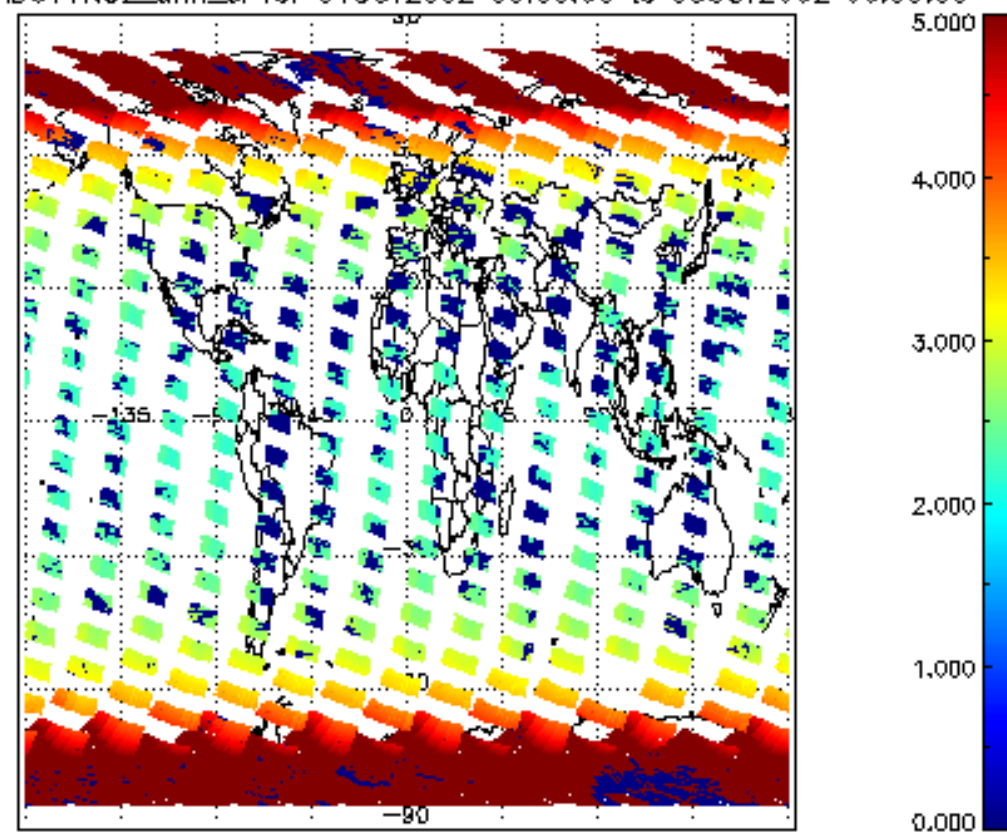
SCIOL2P\_NADUV1NO2\_vcd\_err for 04OCT2002 00:00:00 to 05OCT2002 00:00:00



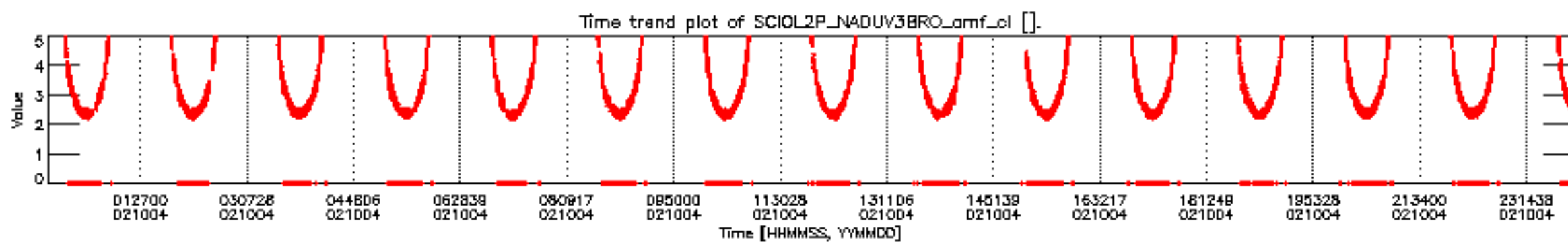
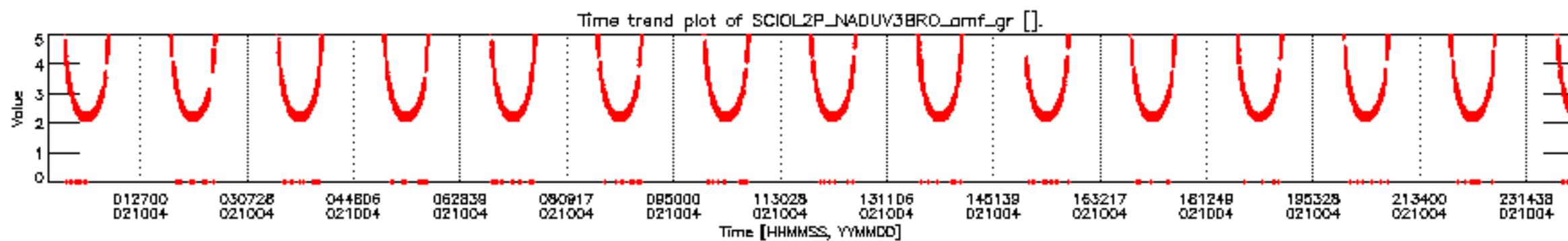
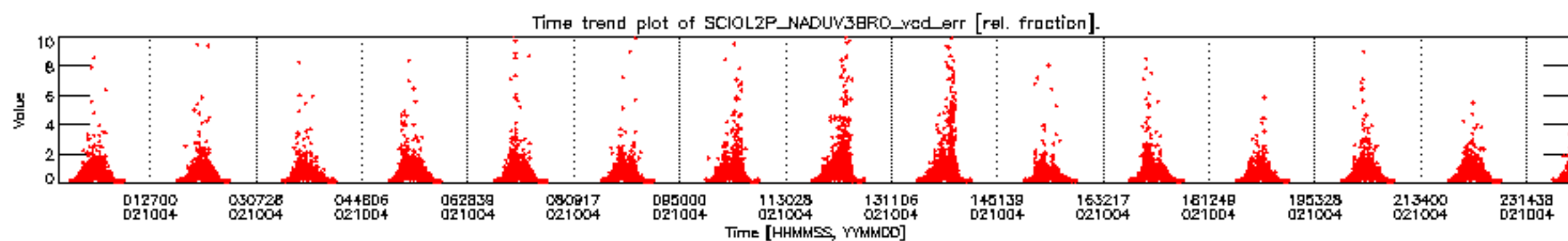
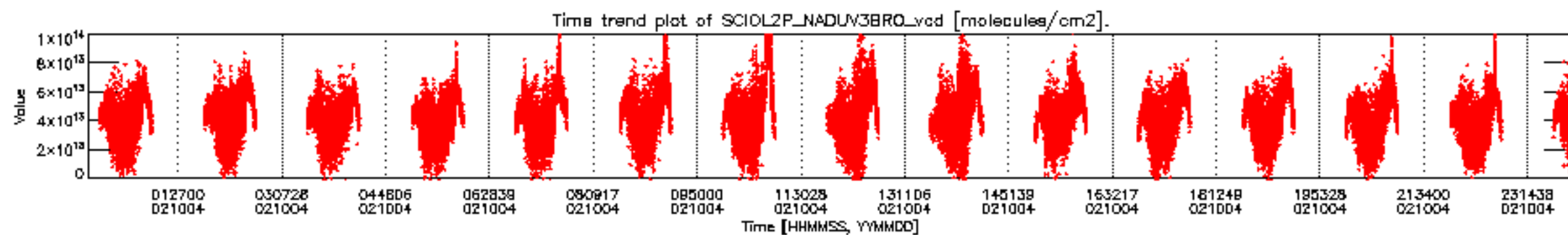
SCIOL2P\_NADUV1NO2\_amf\_gr for 04OCT2002 00:00:00 to 05OCT2002 00:00:00



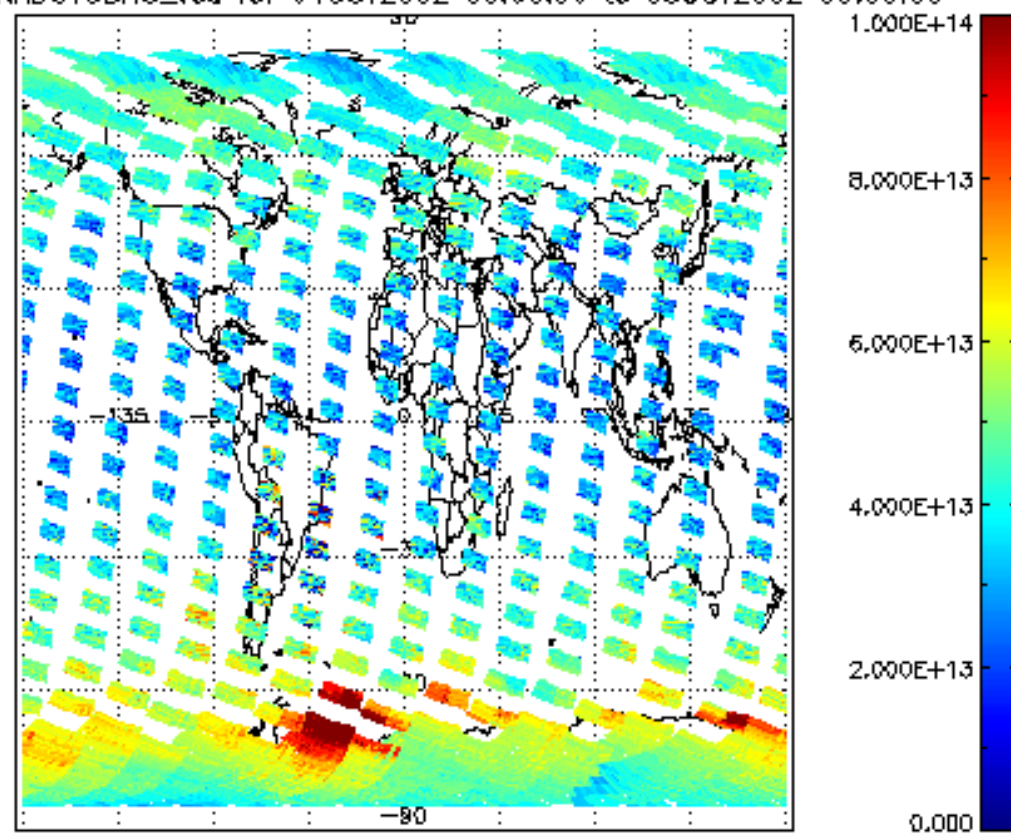
SCIOL2P\_NADUV1NO2\_amf\_cl for 04OCT2002 00:00:00 to 05OCT2002 00:00:00



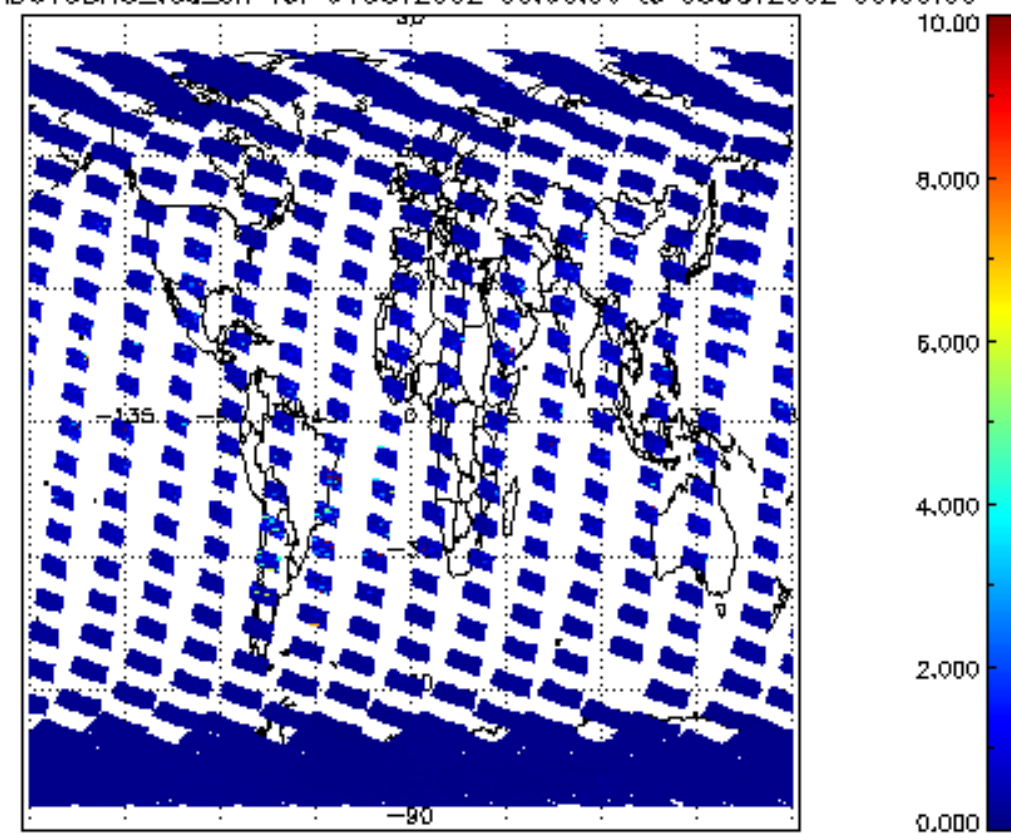




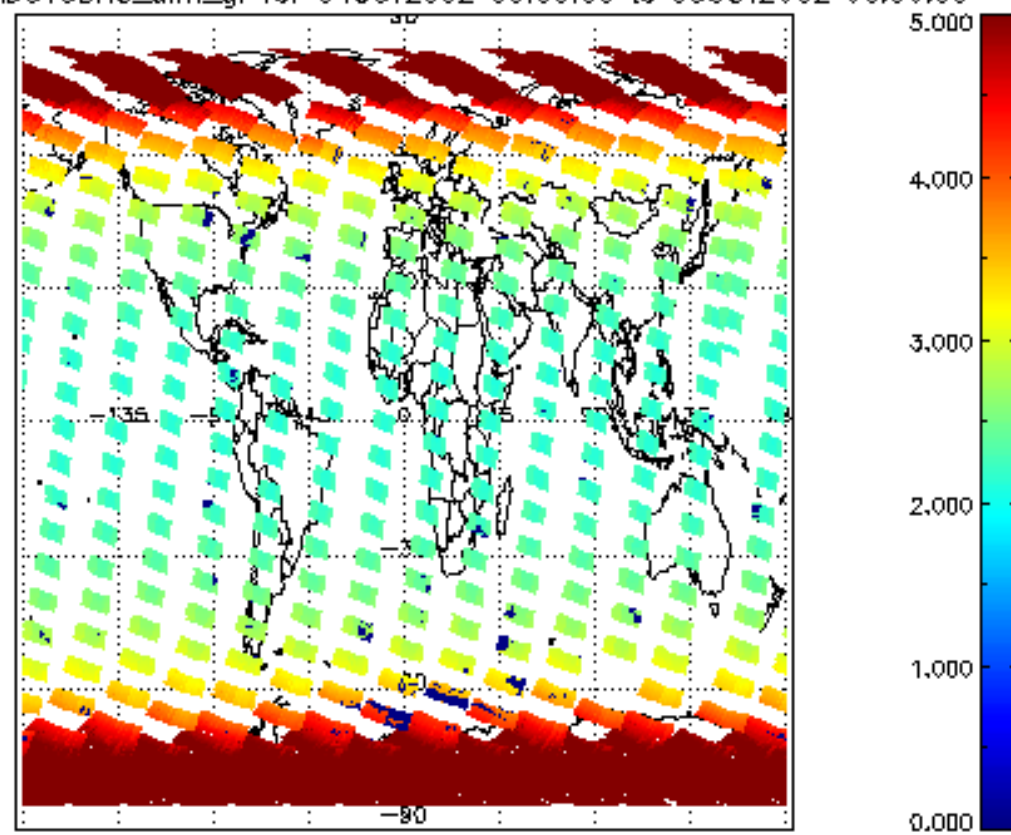
SCIOL2P\_NADUV3BRO\_vcd for 04OCT2002 00:00:00 to 05OCT2002 00:00:00



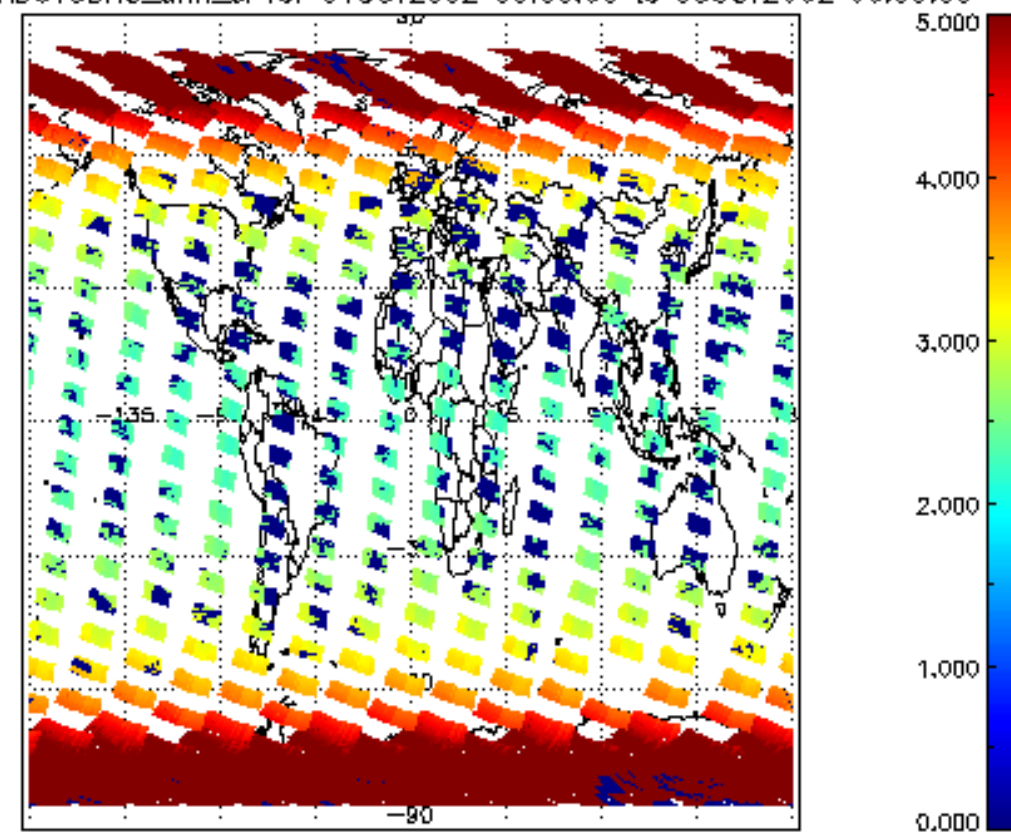
SCIOL2P\_NADUV3BRO\_vcd\_err for 04OCT2002 00:00:00 to 05OCT2002 00:00:00



SCIOL2P\_NADUV3BRO\_amf\_gr for 04OCT2002 00:00:00 to 05OCT2002 00:00:00



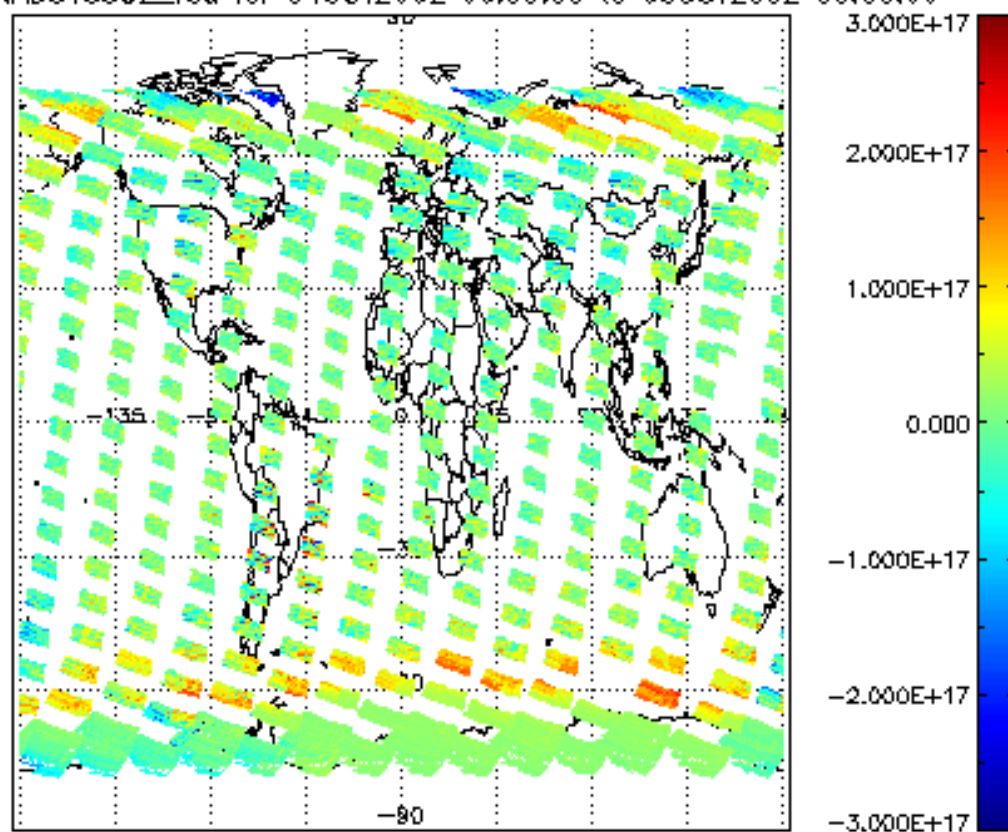
SCIOL2P\_NADUV3BRO\_amf\_cl for 04OCT2002 00:00:00 to 05OCT2002 00:00:00



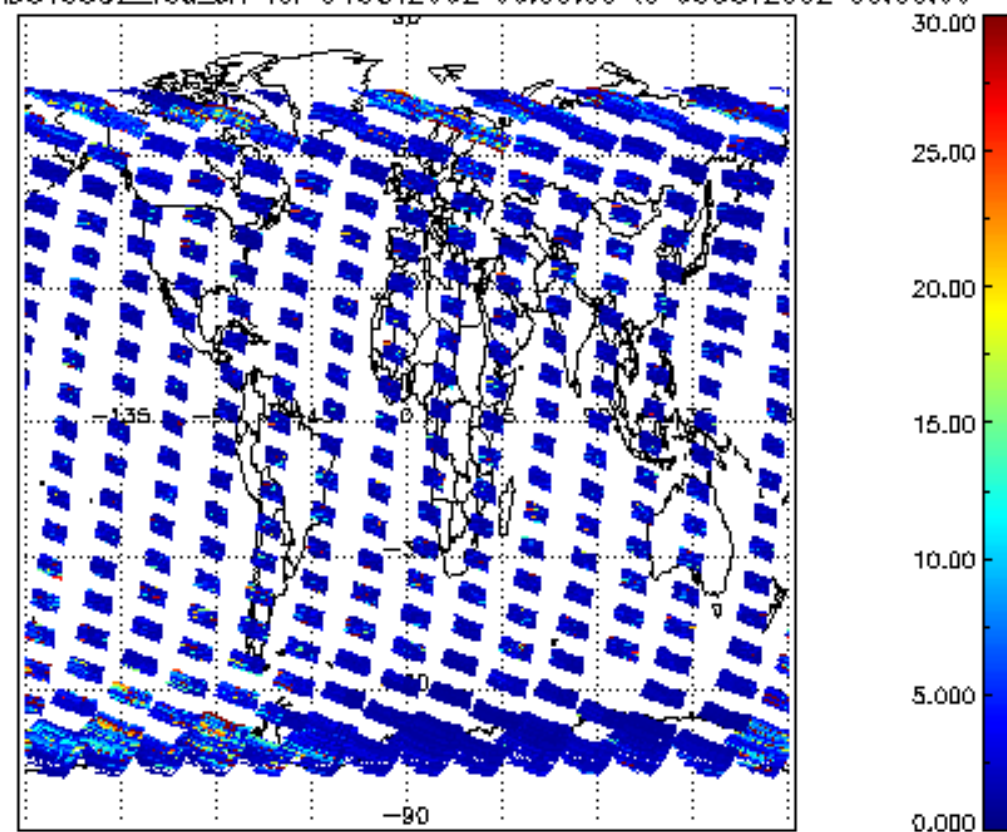




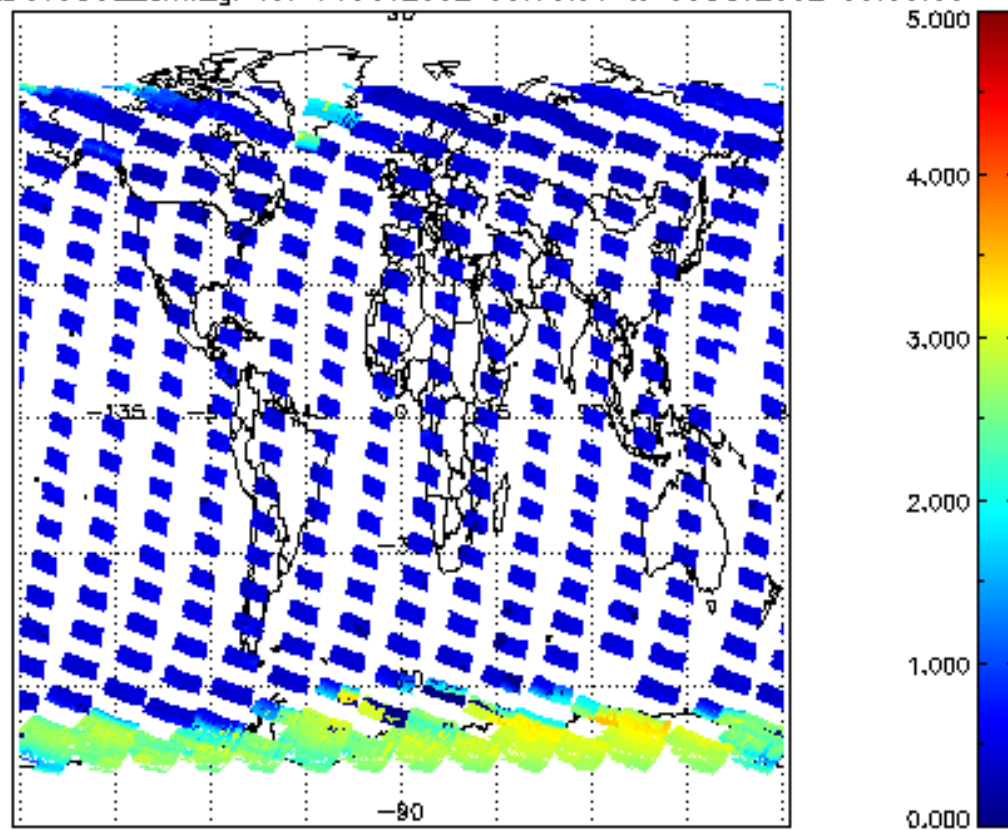
SCIOL2P\_NADUV5S02\_vcd for 04OCT2002 00:00:00 to 05OCT2002 00:00:00



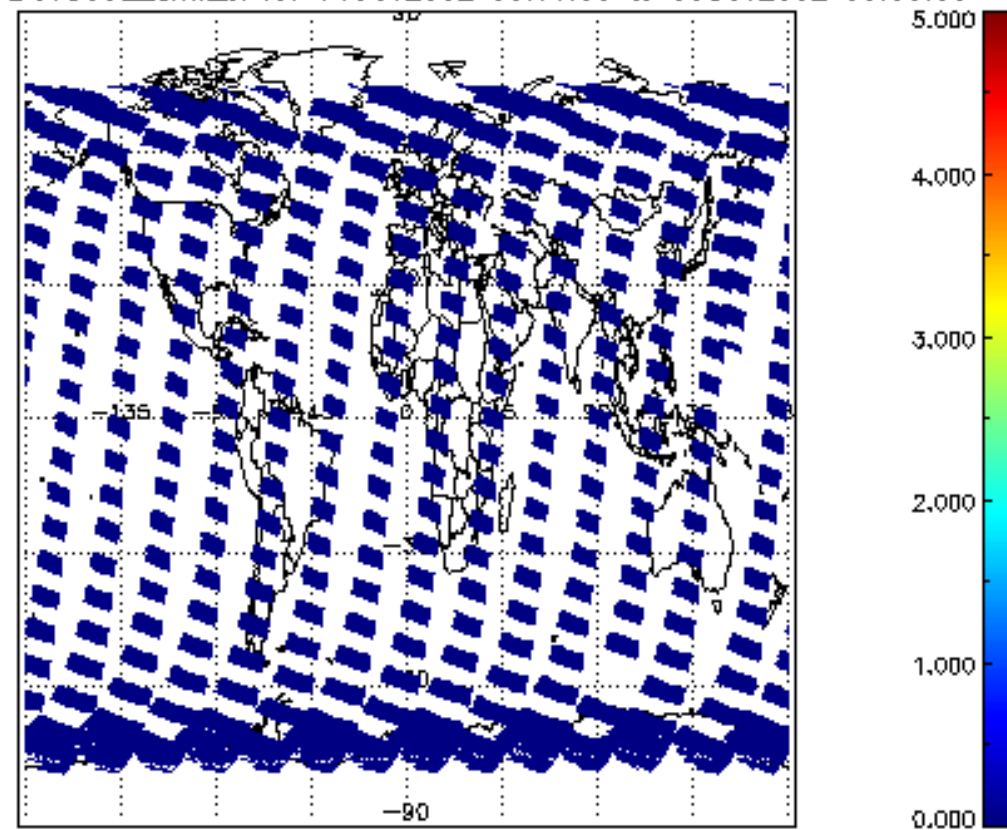
SCIOL2P\_NADUV5S02\_vcd\_err for 04OCT2002 00:00:00 to 05OCT2002 00:00:00



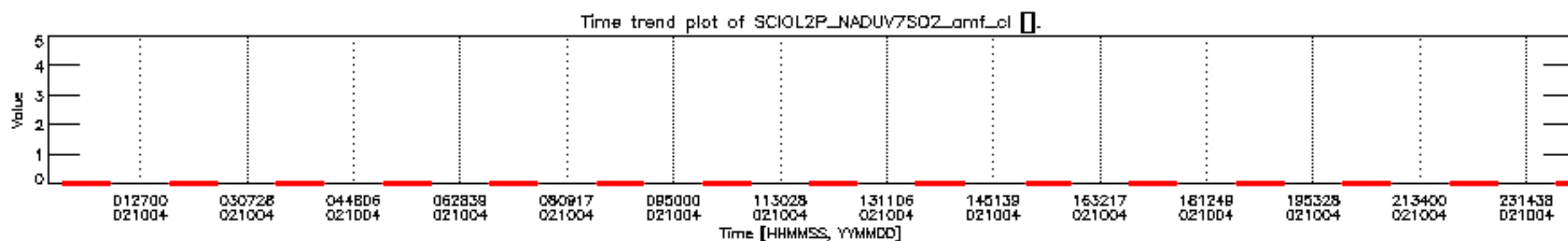
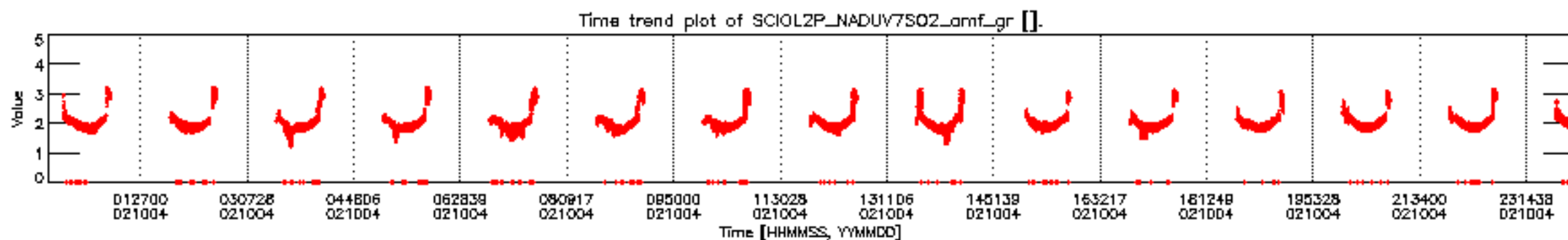
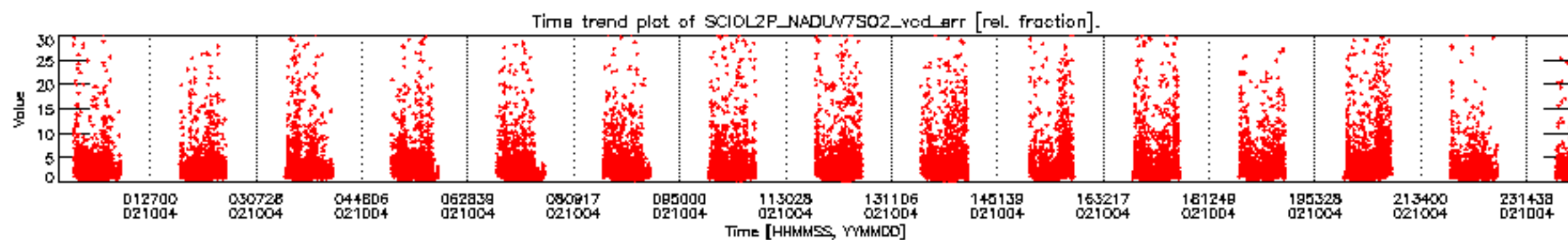
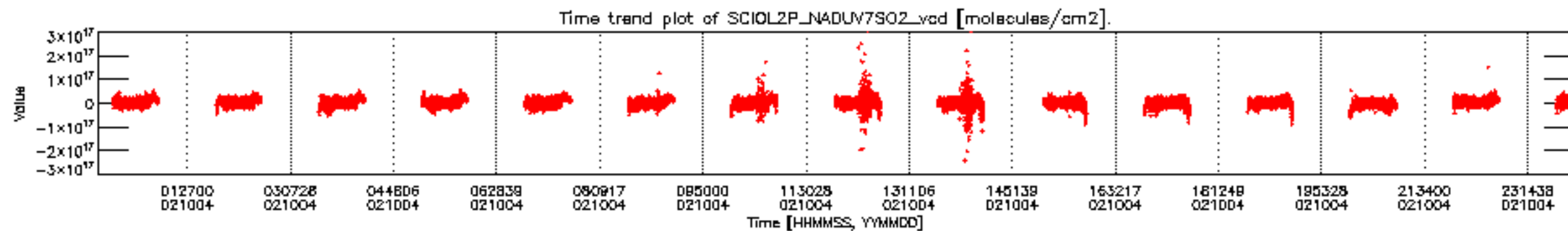
SCIOL2P\_NADUV5S02\_amf\_gr for 04OCT2002 00:00:00 to 05OCT2002 00:00:00



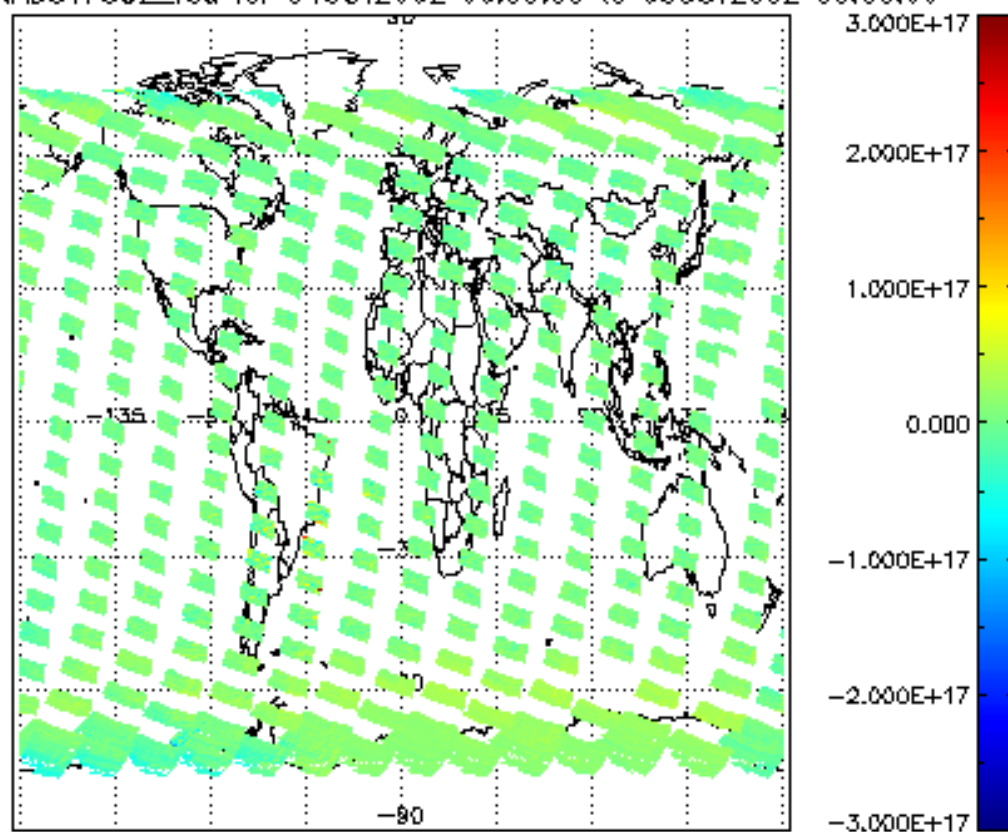
SCIOL2P\_NADUV5S02\_amf\_cl for 04OCT2002 00:00:00 to 05OCT2002 00:00:00



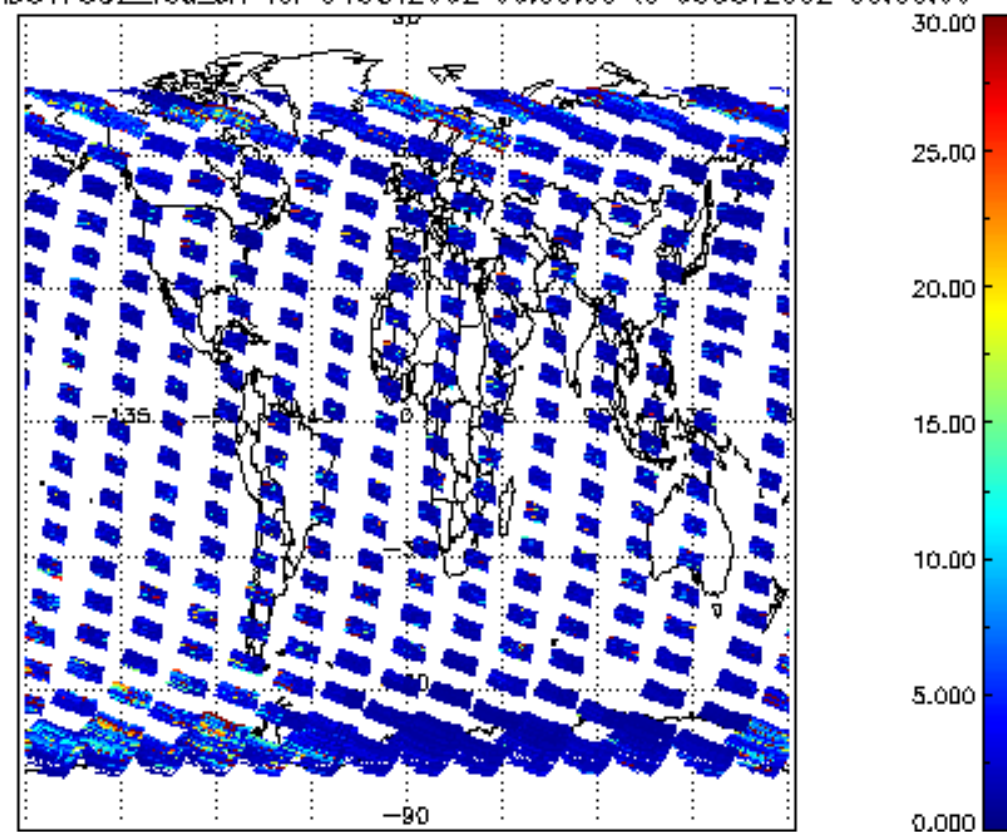




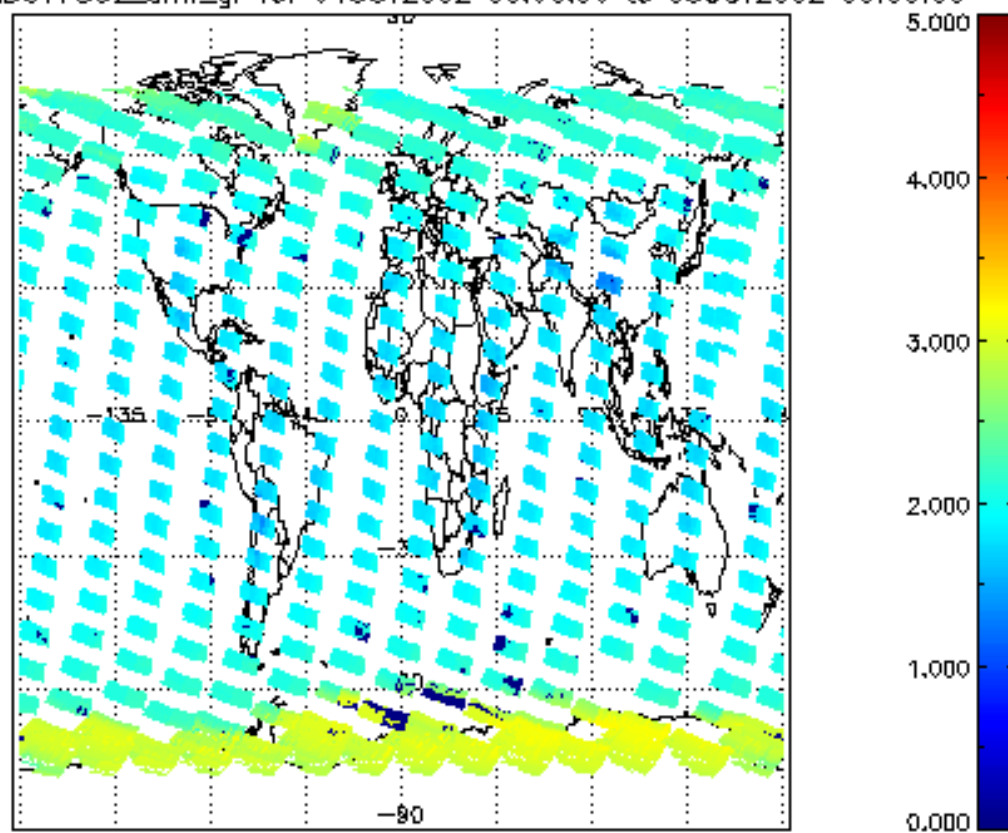
SCIOL2P\_NADUV7S02\_vcd for 04OCT2002 00:00:00 to 05OCT2002 00:00:00



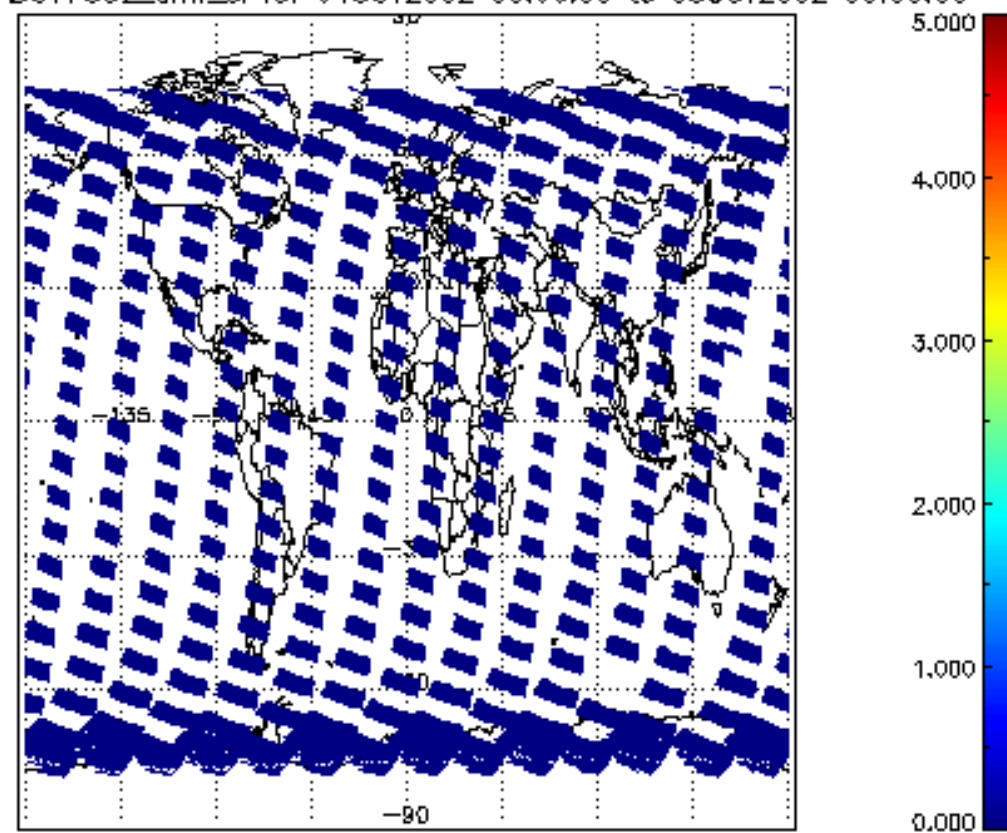
SCIOL2P\_NADUV7S02\_vcd\_err for 04OCT2002 00:00:00 to 05OCT2002 00:00:00



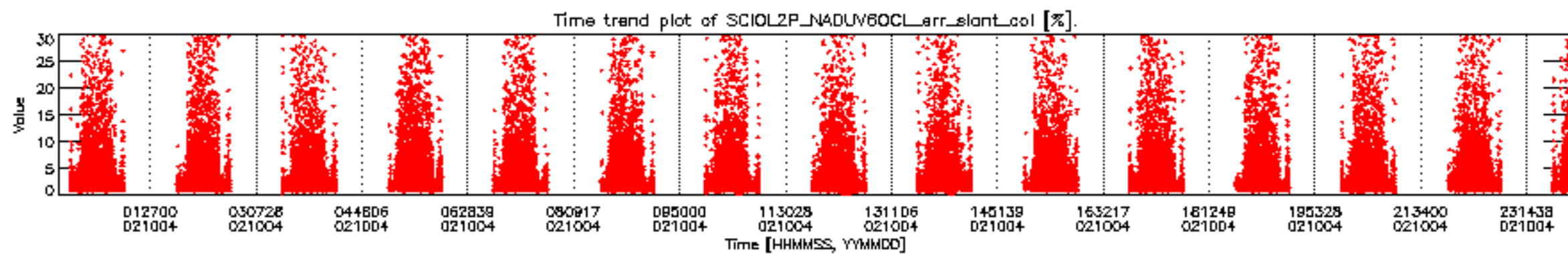
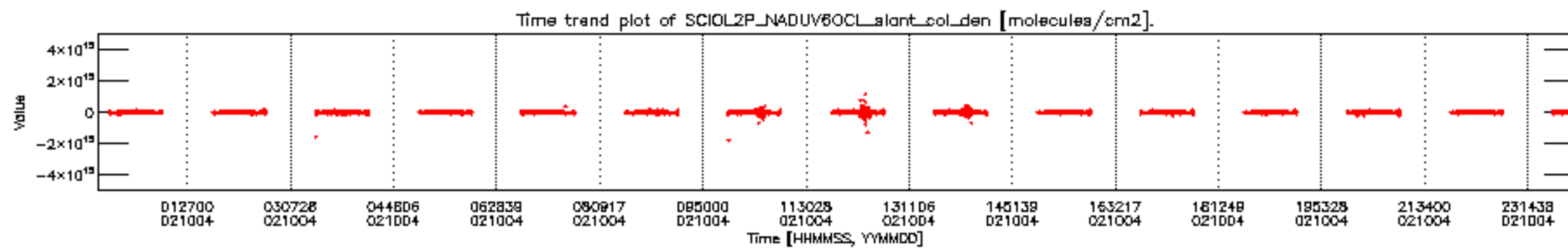
SCIOL2P\_NADUV7S02\_amf\_gr for 04OCT2002 00:00:00 to 05OCT2002 00:00:00



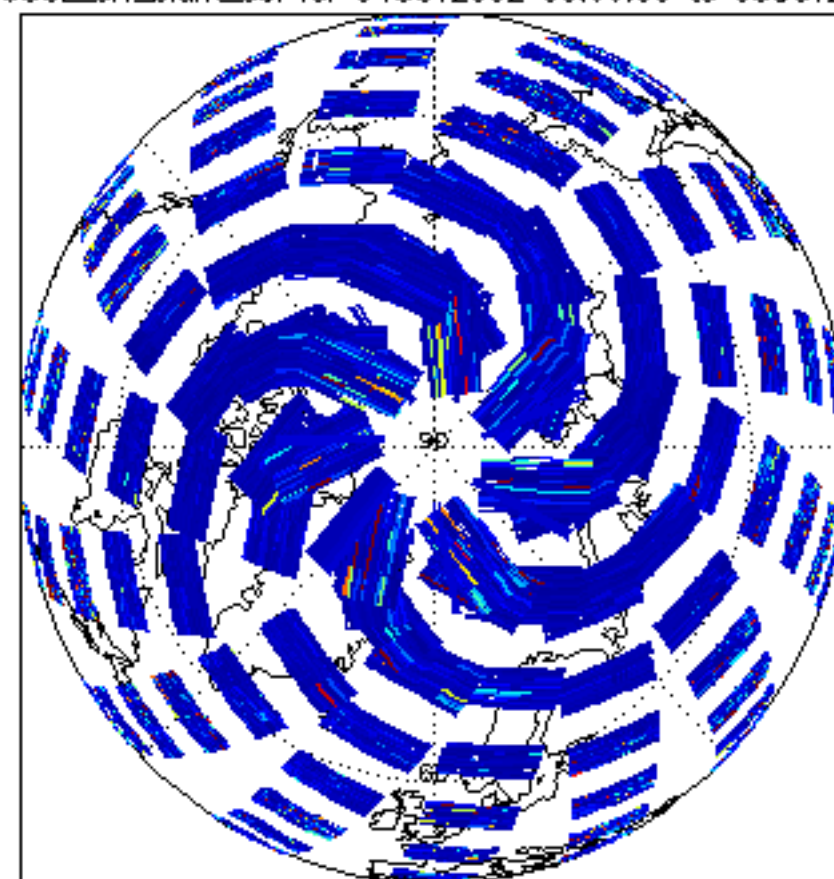
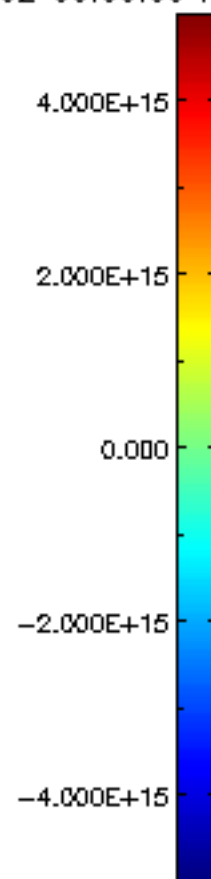
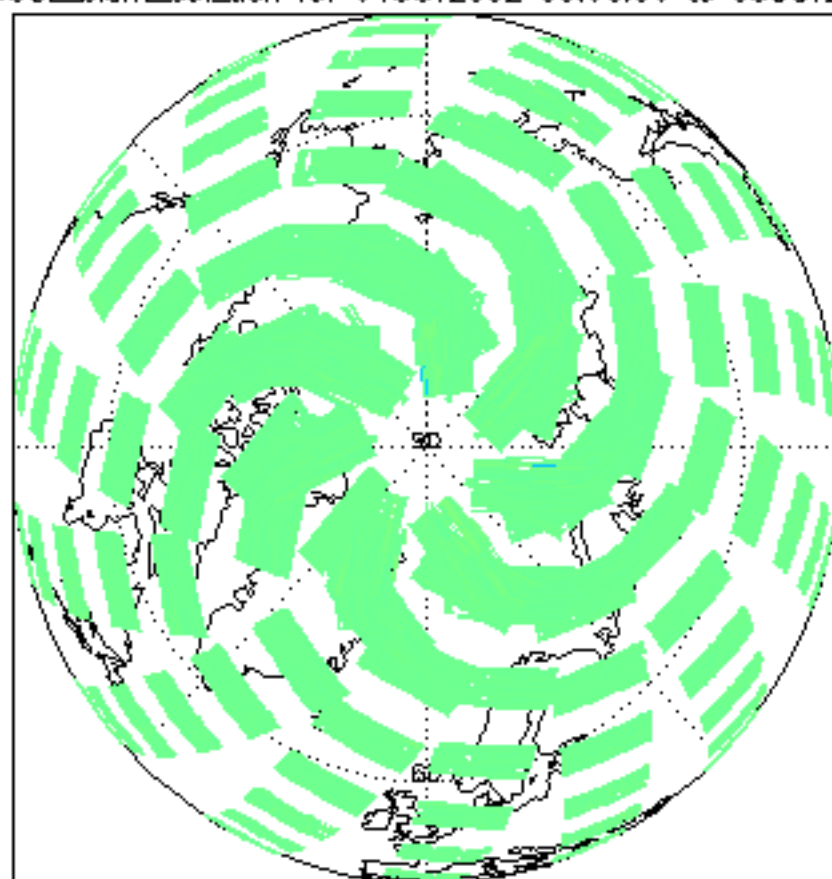
SCIOL2P\_NADUV7S02\_amf\_sl for 04OCT2002 00:00:00 to 05OCT2002 00:00:00





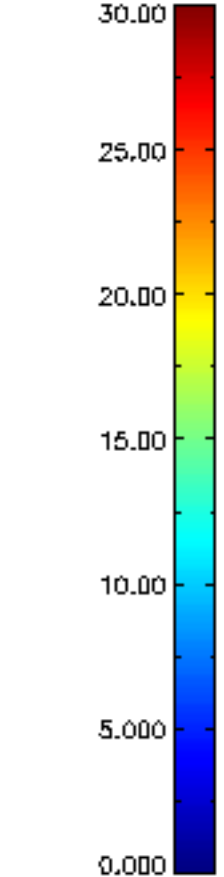
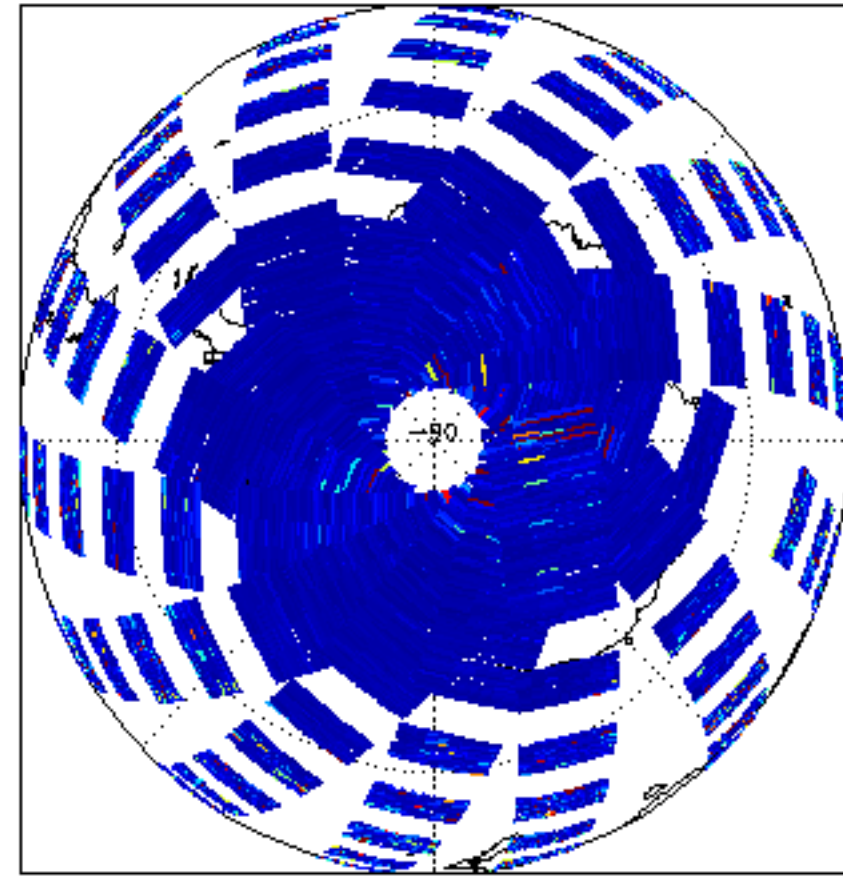
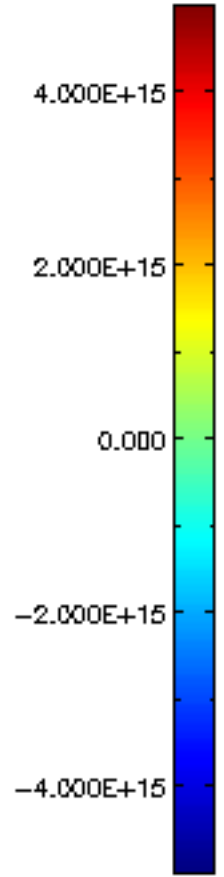
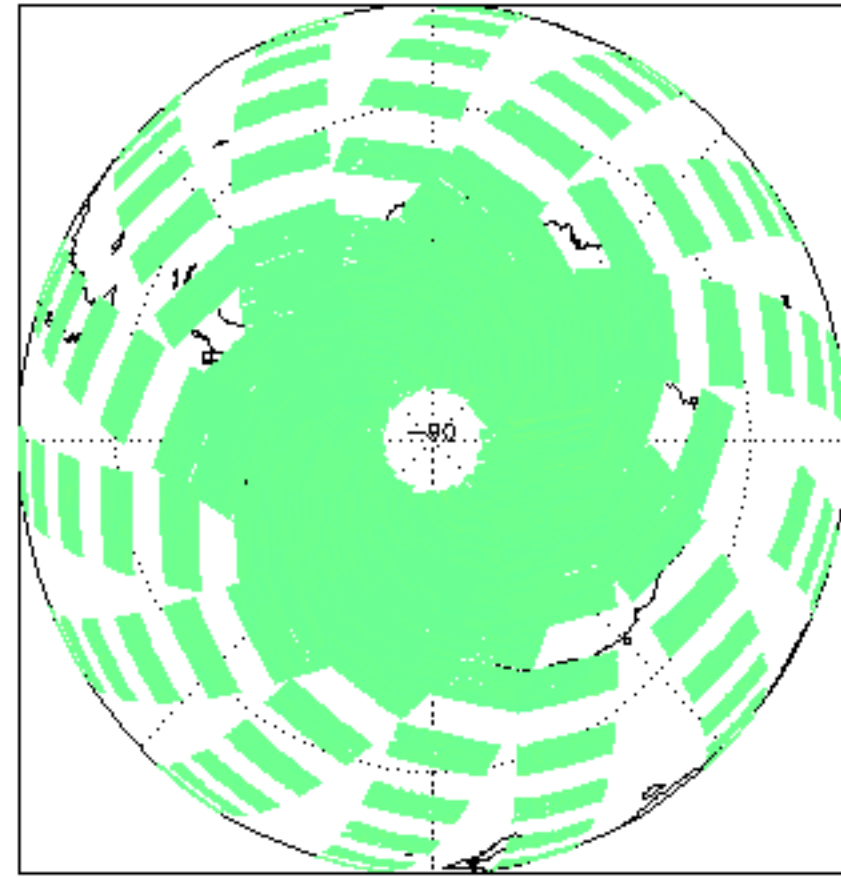


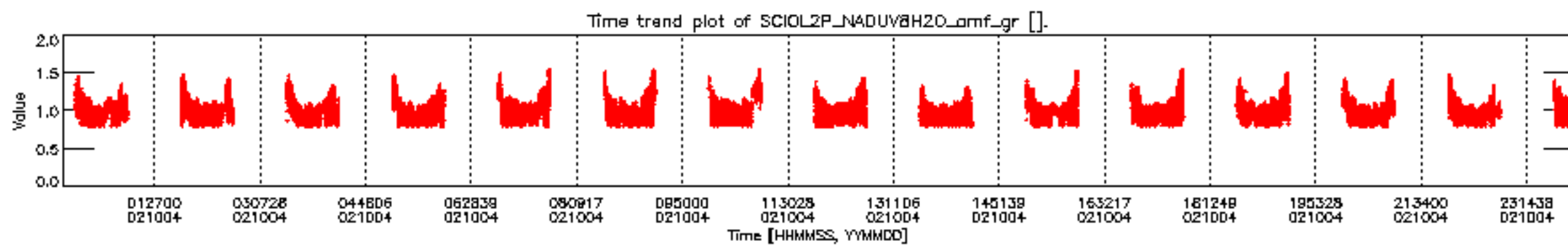
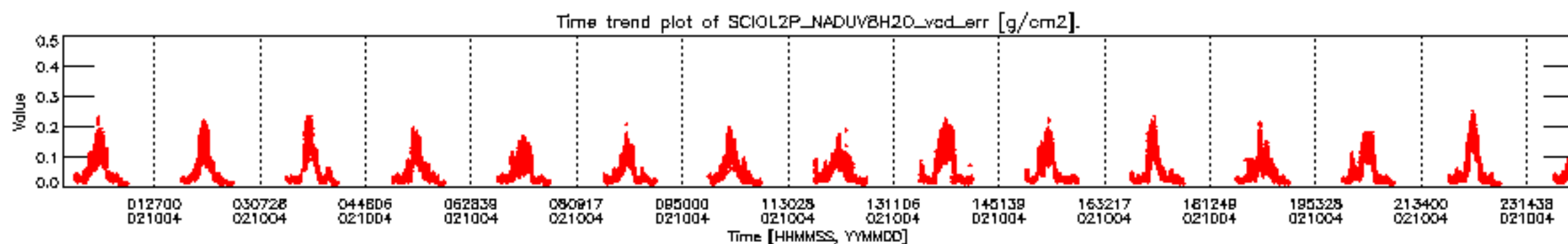
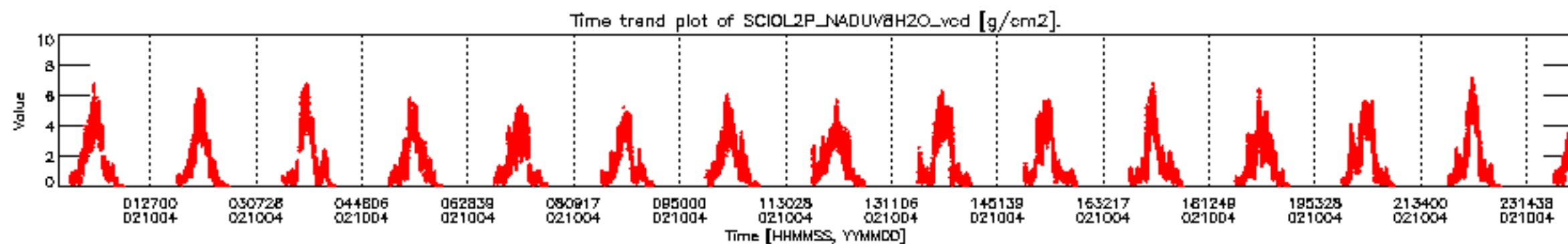
CIOL2P\_NADUV60CL\_slant\_col\_den for 04OCT2002 00:00:00 to 05OCT2002 00:00:00 np iCIOL2P\_NADUV60CL\_err\_slant\_col for 04OCT2002 00:00:00 to 05OCT2002 00:00:00 np





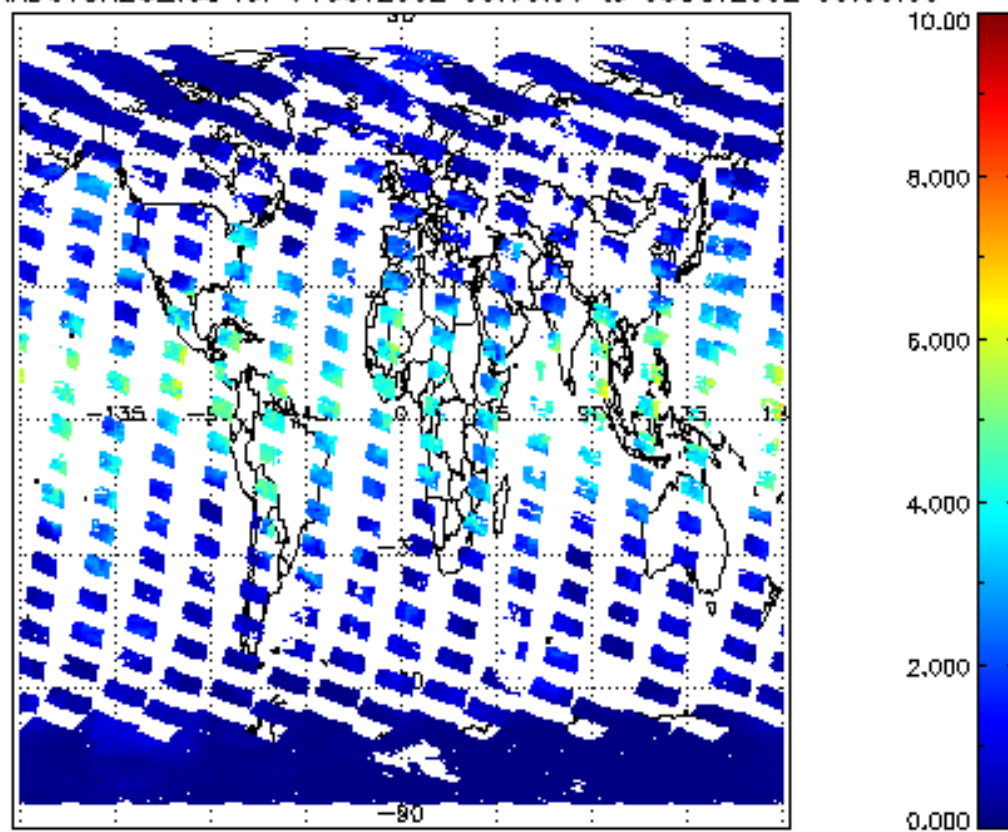
CIOL2P\_NADUV60CL\_slant\_col\_den for 04OCT2002 00:00:00 to 05OCT2002 00:00:00 sp; CIOL2P\_NADUV60CL\_err\_slant\_col for 04OCT2002 00:00:00 to 05OCT2002 00:00:00 sp



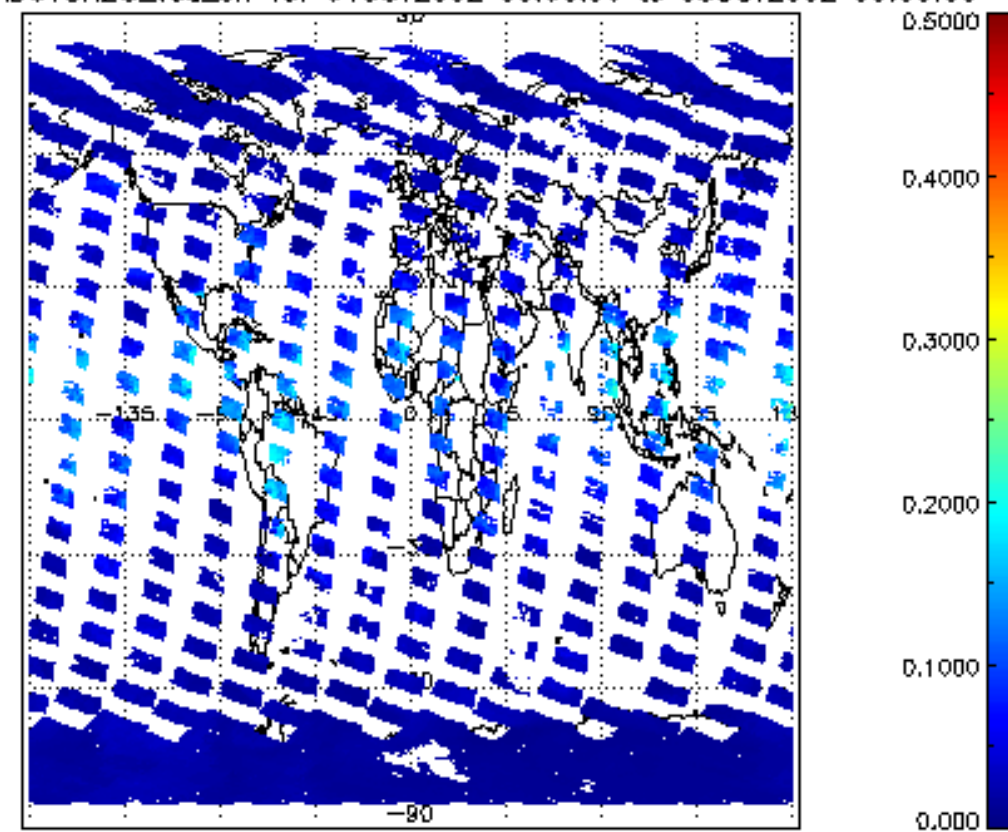




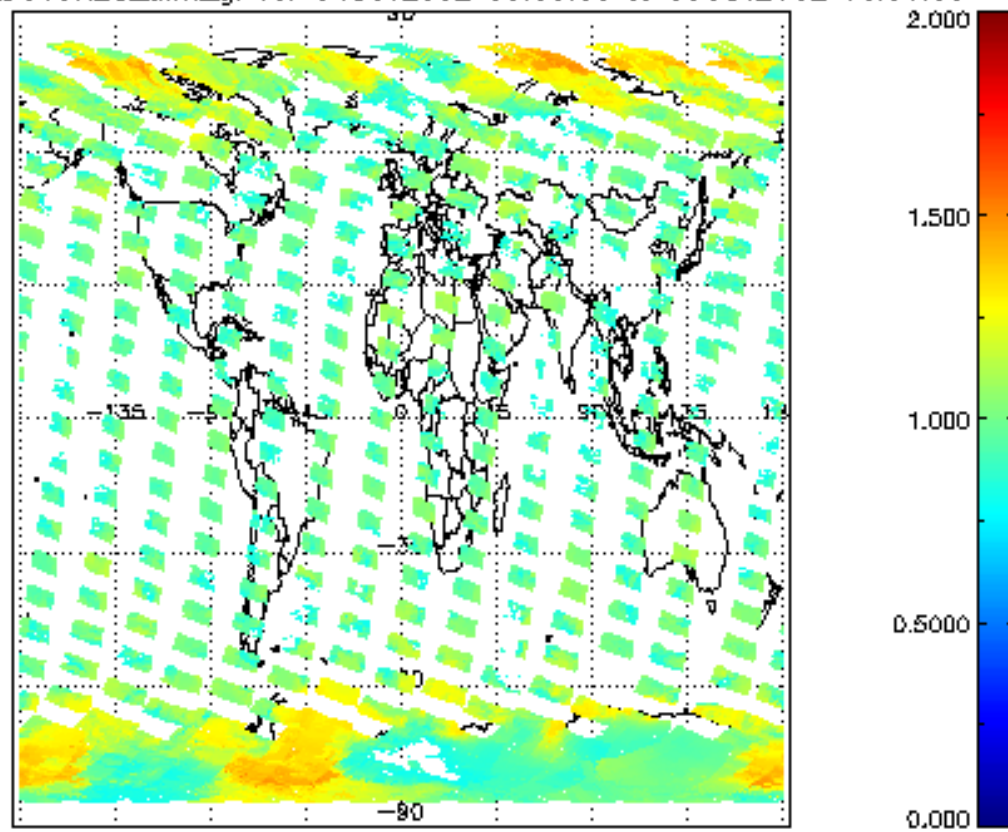
SCIOL2P\_NADUV8H20\_vcd for 04OCT2002 00:00:00 to 05OCT2002 00:00:00

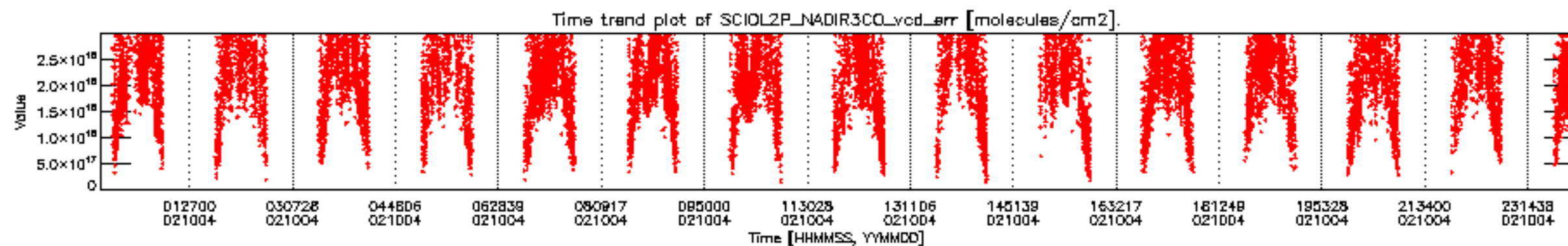
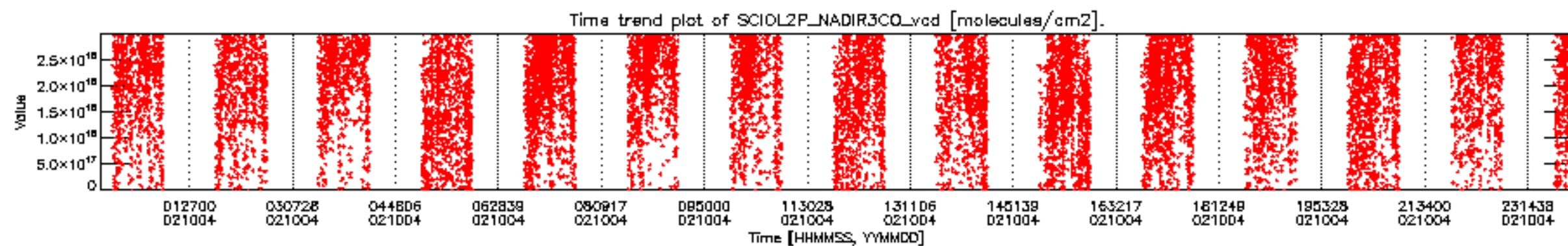


SCIOL2P\_NADUV8H20\_vcd\_err for 04OCT2002 00:00:00 to 05OCT2002 00:00:00



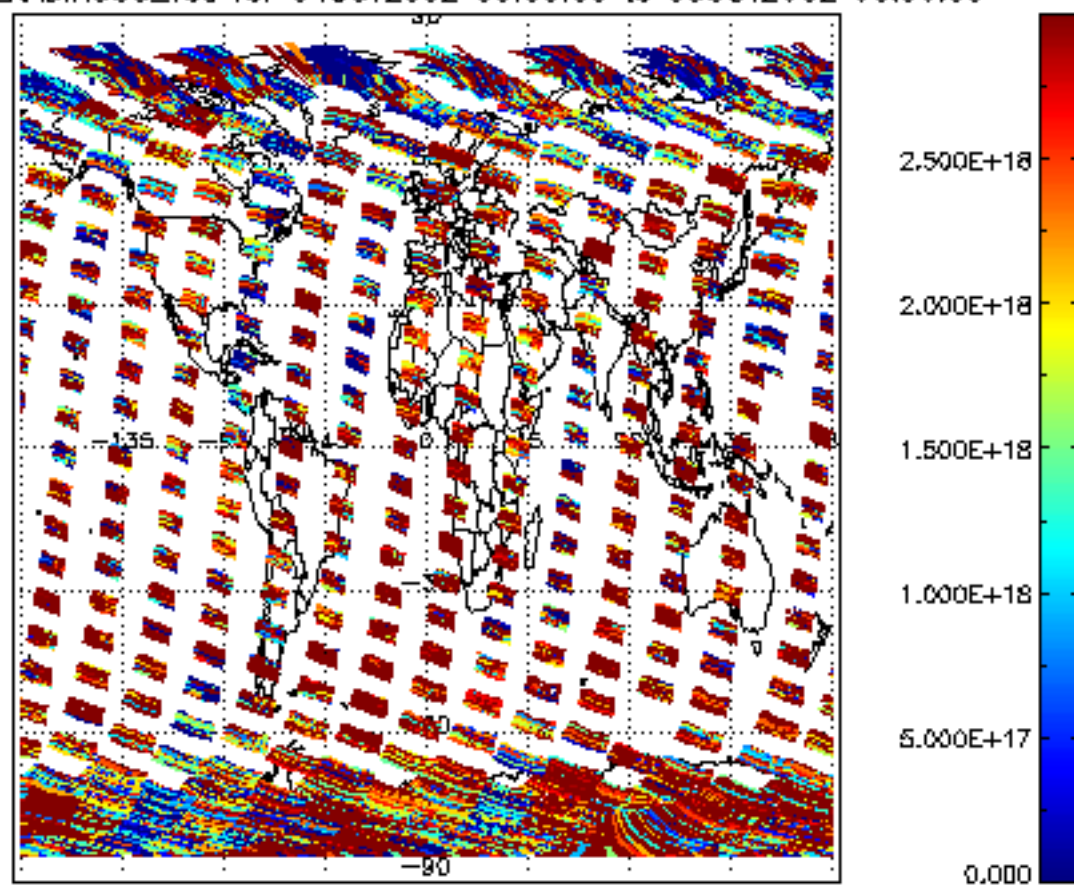
SCIOL2P\_NADUV8H20\_amf\_gr for 04OCT2002 00:00:00 to 05OCT2002 00:00:00



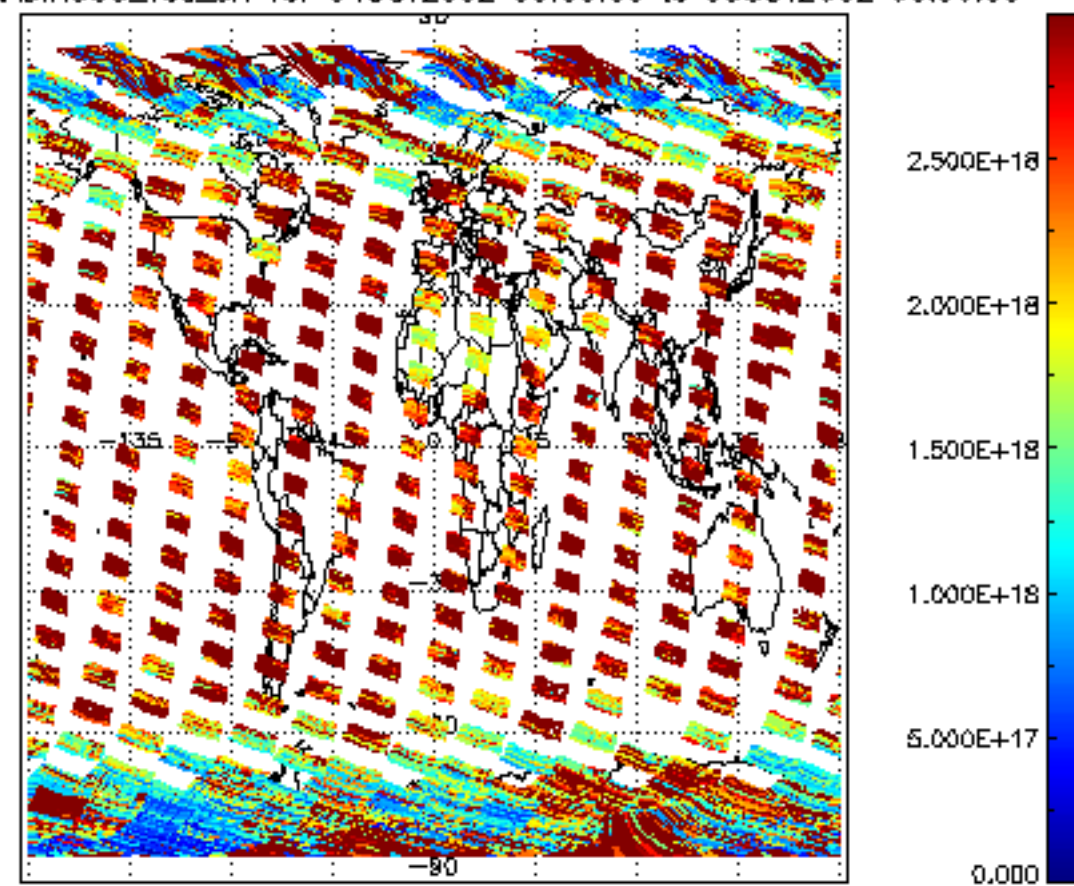




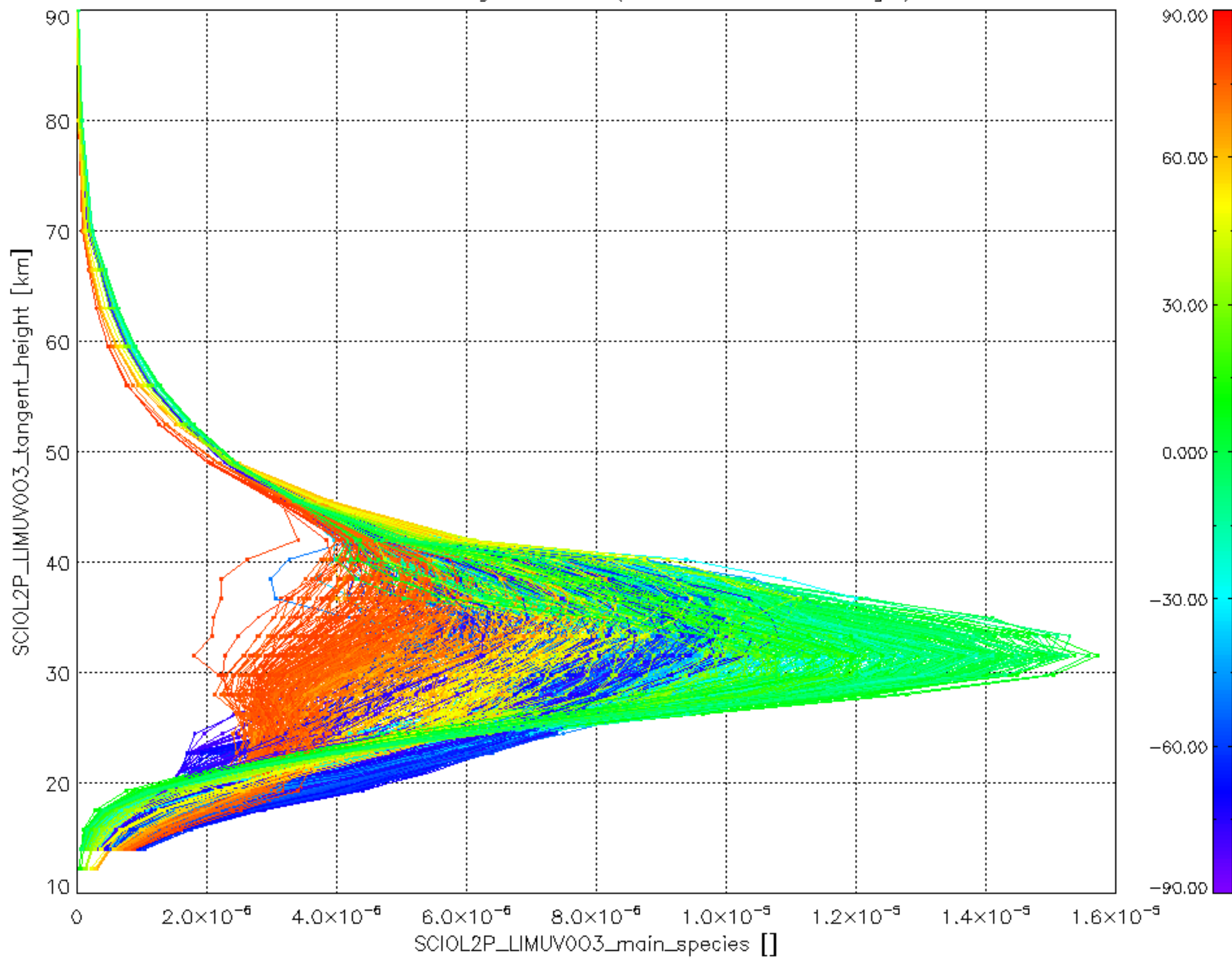
SCIOL2P\_NADIR3CO\_vcd for 04OCT2002 00:00:00 to 05OCT2002 00:00:00



SCIOL2P\_NADIR3CO\_vcd\_err for 04OCT2002 00:00:00 to 05OCT2002 00:00:00

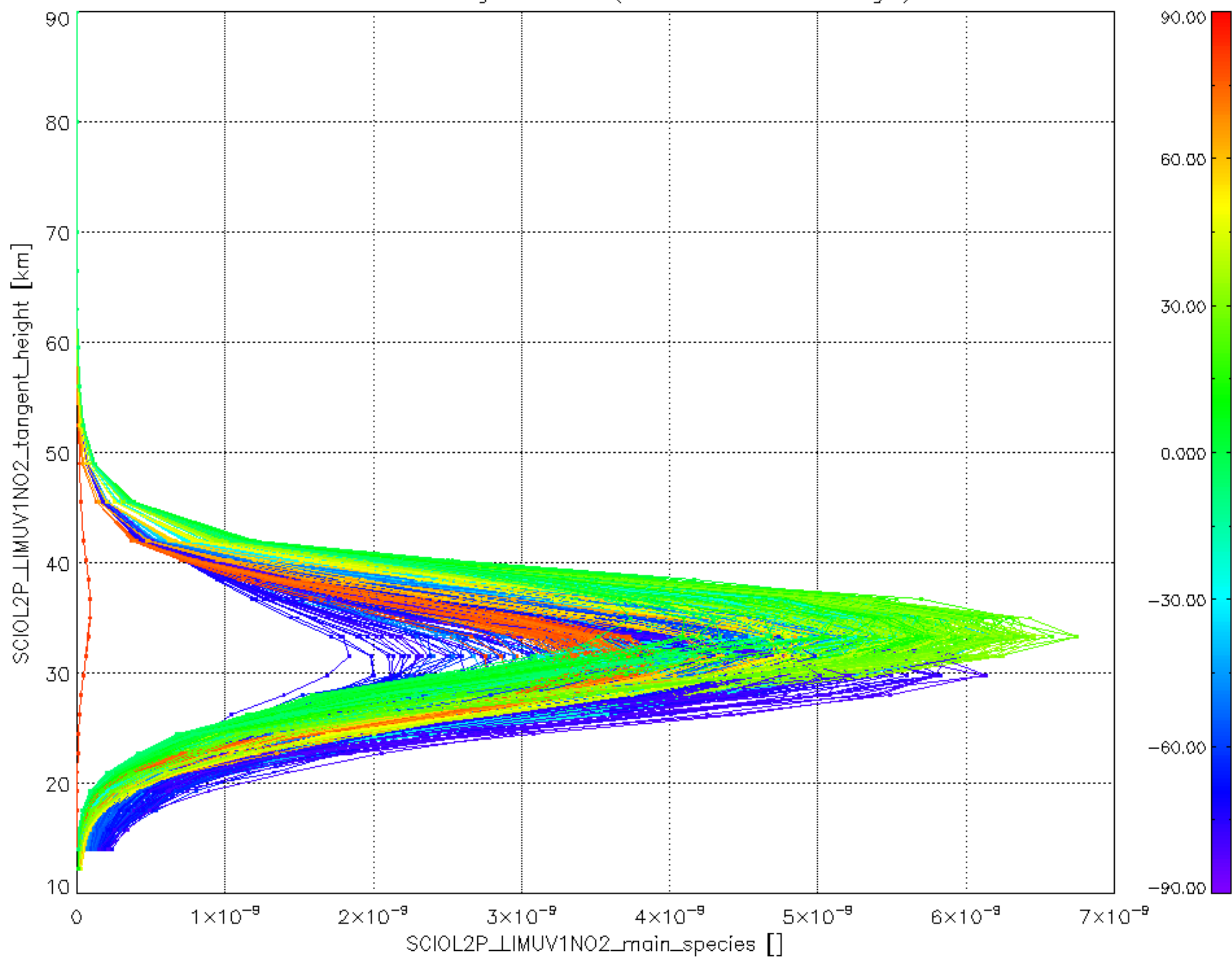


Plot of SCIOL2P\_LIMUV003\_main\_species.tang\_vmr vs. tangent height.  
 Colours indicate tangent latitude (see colour bar on the right).





Plot of SCIOL2P\_LIMUV1N02\_main\_species.tang\_vmr vs. tangent height.  
 Colours indicate tangent latitude (see colour bar on the right).



Plot of SCIOL2P\_LIMUV3BRO\_main\_species.tang\_vmr vs. tangent height.  
 Colours indicate tangent latitude (see colour bar on the right).

