

## 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 17:21:25
Data source version	SCIA-OL/5.02-W
Processing scope for products	29SEP2002 00:00:00 to 30SEP2002 00:00:00
Start time of first product within scope	29SEP2002 02:41:44
Stop time of last product within scope	29SEP2002 23:46:32
Total number of level 2 products	12
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__2PWDPA20020929_024144_000034492009_00476_03035_1899.N1</a>	29SEP2002 02:41:44	29SEP2002 03:39:14	0	GOOD
1	<a href="#">SCI_OL__2PWDPA20020929_042221_000035332009_00477_03036_1900.N1</a>	29SEP2002 04:22:21	29SEP2002 05:21:14	0	GOOD
2	<a href="#">SCI_OL__2PWDPA20020929_060257_000034492009_00478_03037_1901.N1</a>	29SEP2002 06:02:57	29SEP2002 07:00:27	0	GOOD
3	<a href="#">SCI_OL__2PWDPA20020929_074334_000035332009_00479_03038_1902.N1</a>	29SEP2002 07:43:34	29SEP2002 08:42:27	0	GOOD
4	<a href="#">SCI_OL__2PWDPA20020929_092410_000034492009_00480_03039_1903.N1</a>	29SEP2002 09:24:10	29SEP2002 10:21:40	0	GOOD

5	SCI_OL__2PWDP A20020929_125200_000030522009_00482_03041_1905.N1	29SEP2002 12:52:00	29SEP2002 13:42:53	0	GOOD
6	SCI_OL__2PWDP A20020929_142600_000035332009_00483_03042_1906.N1	29SEP2002 14:26:00	29SEP2002 15:24:53	0	GOOD
7	SCI_OL__2PWDP A20020929_160636_000034492009_00484_03043_1907.N1	29SEP2002 16:06:36	29SEP2002 17:04:06	0	GOOD
8	SCI_OL__2PWDP A20020929_174745_000035142009_00485_03044_1908.N1	29SEP2002 17:47:45	29SEP2002 18:46:19	0	GOOD
9	SCI_OL__2PWDP A20020929_192809_000034492009_00486_03045_1909.N1	29SEP2002 19:28:09	29SEP2002 20:25:39	0	GOOD
10	SCI_OL__2PWDP A20020929_210826_000035332009_00487_03046_1910.N1	29SEP2002 21:08:26	29SEP2002 22:07:19	0	GOOD
11	SCI_OL__2PWDP A20020929_224902_000034492009_00488_03047_1911.N1	29SEP2002 22:49:02	29SEP2002 23:46:32	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: 91220

Total number of cloud data DSRs with good quality flag (=0): 91220 (100.0 %)

Parameter	#valid	Mean	Median	Min	Max	Stddev	Unit
QUALITY_FLAG	91220	0.0000	0.0000	0.0000	0.0000	0.0000	
INTEGR_TIME	91220	0.22594	0.25000	0.12500	1.0000	0.10240	s
CL_FRAC	91220	0.40689	0.36866	0.0000	1.0000	0.33473	
CL_FRAC_ERR	91220	0.0000	0.0000	0.0000	0.0000	0.0000	%
PMD_READ	91220	7.2300	8.0000	4.0000	32.000	3.2769	
PMD_READ_CL[0]	91220	0.78442	0.0000	0.0000	32.000	2.0506	-
PMD_READ_CL[1]	91220	1.8418	0.0000	0.0000	26.000	2.9441	-
CL_TOP_HEIGHT	80309	3.1360	1.6058	0.0000	17.000	3.5723	km
CL_TOP_HEIGHT_ERR	0	---	---	---	---	---	---
CL_OPT_DEPTH	80309	52.356	42.744	0.0000	101.00	40.887	km
CL_OPT_DEPTH_ERR	0	---	---	---	---	---	---
CL_TYPE_FLAGS	91220	11100000	11100000	11100000	11100000	0.0000	
CLOUD_FLAGS	91220	11001011	11000100	11000000	11100000	3391.6	
AERO_ABSO_IND	91220	0.14981	0.0000	0.0000	10.228	0.36429	
AERO_IND_DIAG	91220	0.0000	0.0000	0.0000	0.0000	0.0000	
AERO_FLAGS	91220	01101110	11000000	00000000	11000000	24283.	

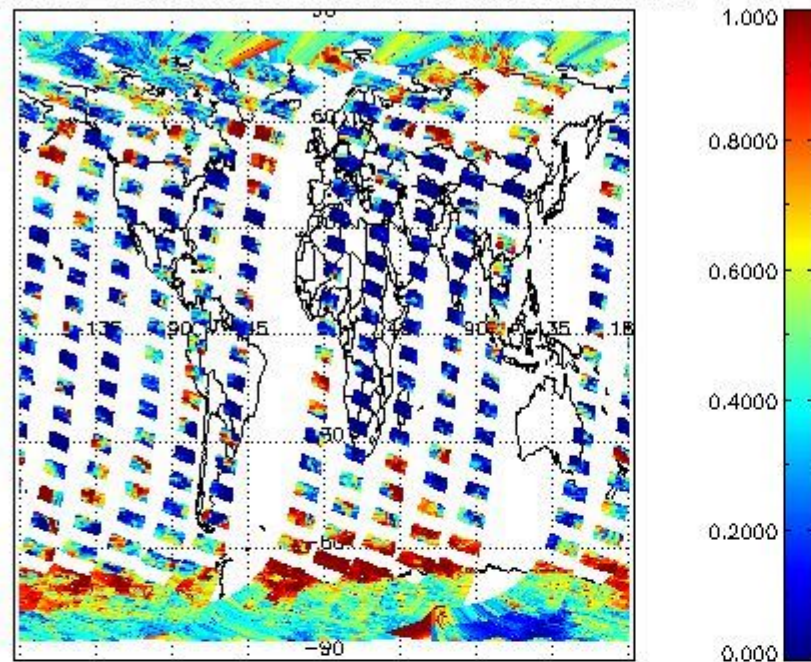
#### Time and geolocation plots:

Plots are available for the following parameters:

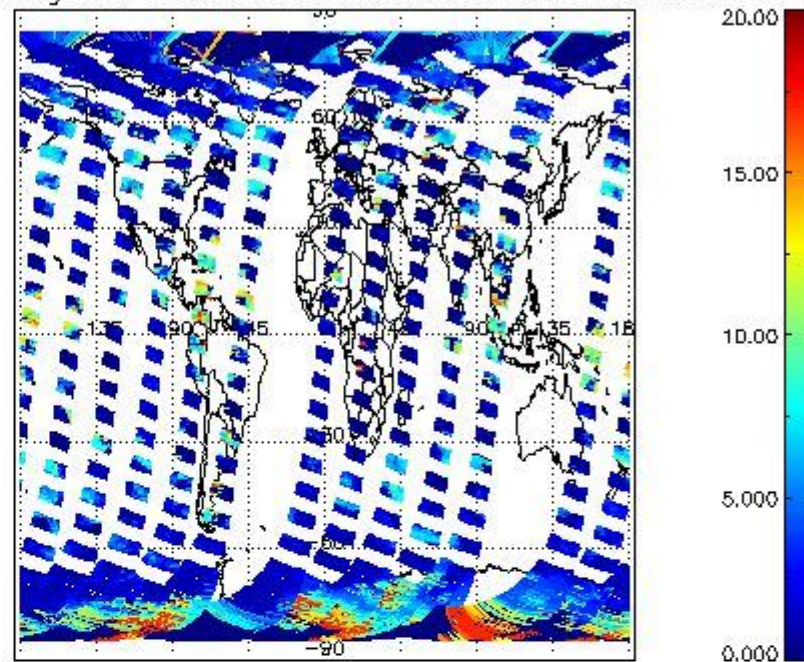
Number	Data item ID
0	cl_frac
1	cl_top_height
2	cl_opt_depth
3	cloud_flags



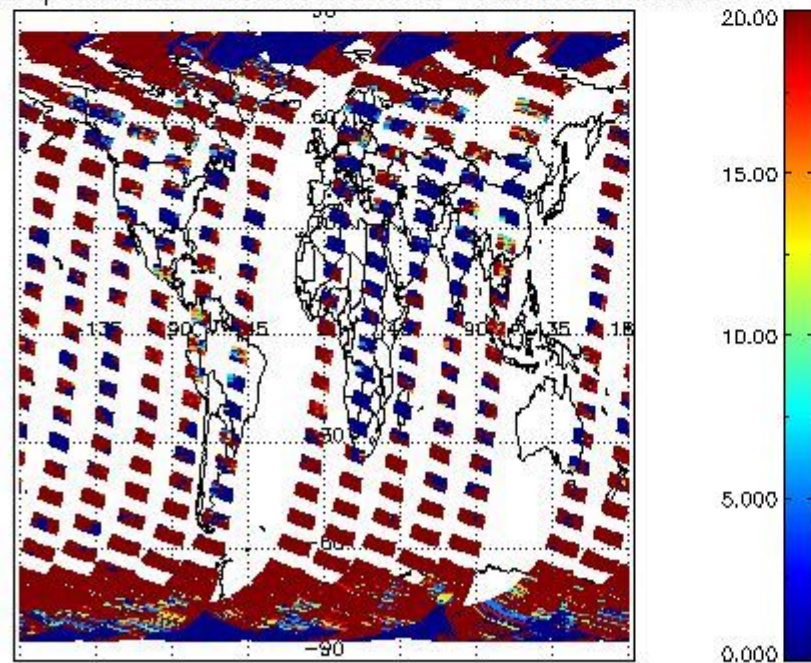
cL\_frac for 29SEP2002 00:00:00 to 30SEP2002 00:00:00



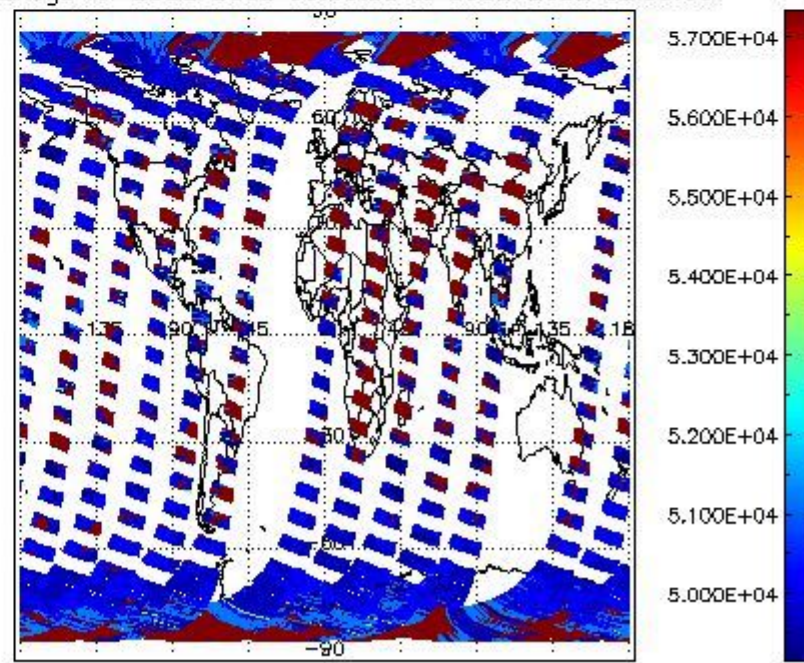
cL\_top\_height for 29SEP2002 00:00:00 to 30SEP2002 00:00:00



cL\_opt\_depth for 29SEP2002 00:00:00 to 30SEP2002 00:00:00



cloud\_flags for 29SEP2002 00:00:00 to 30SEP2002 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:

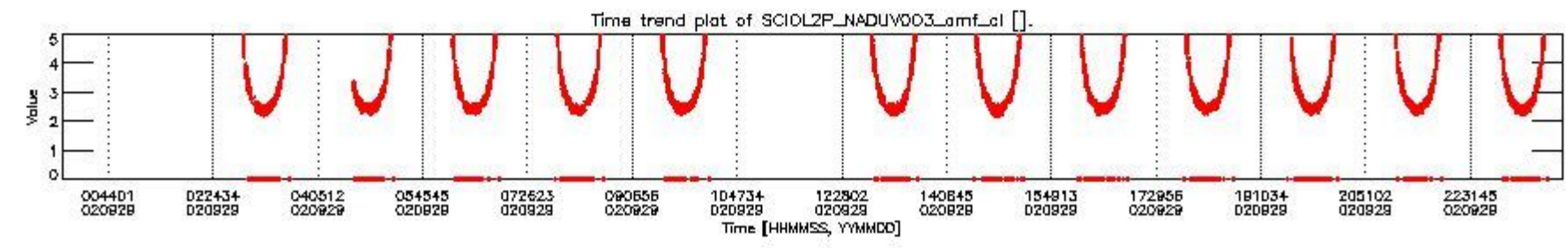
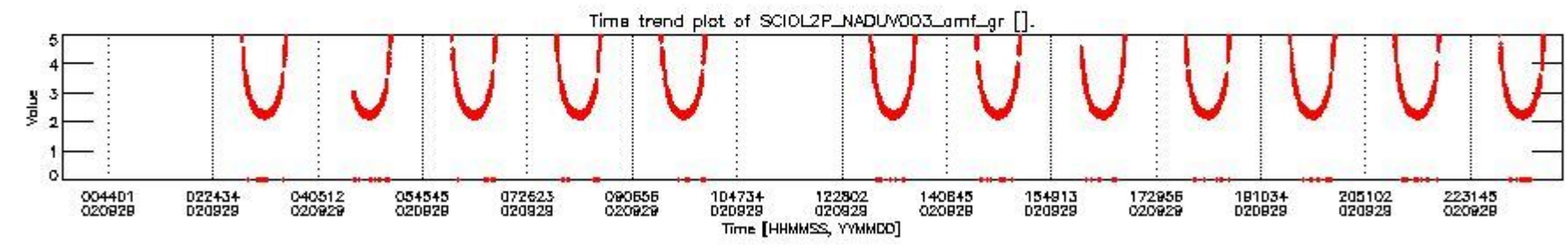
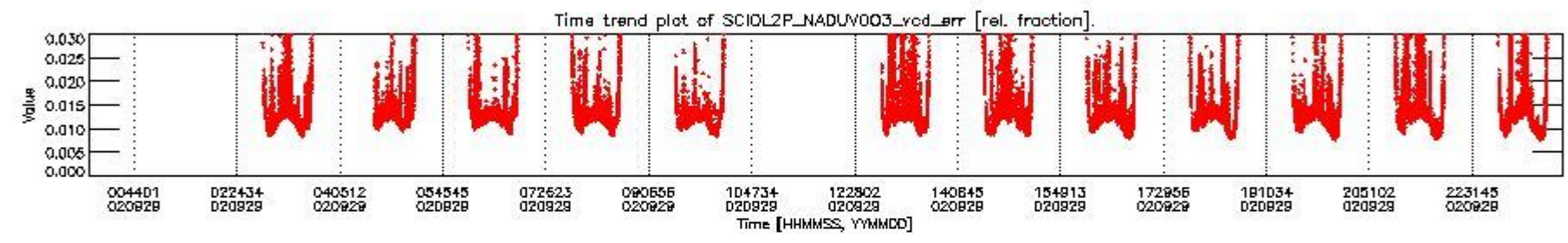
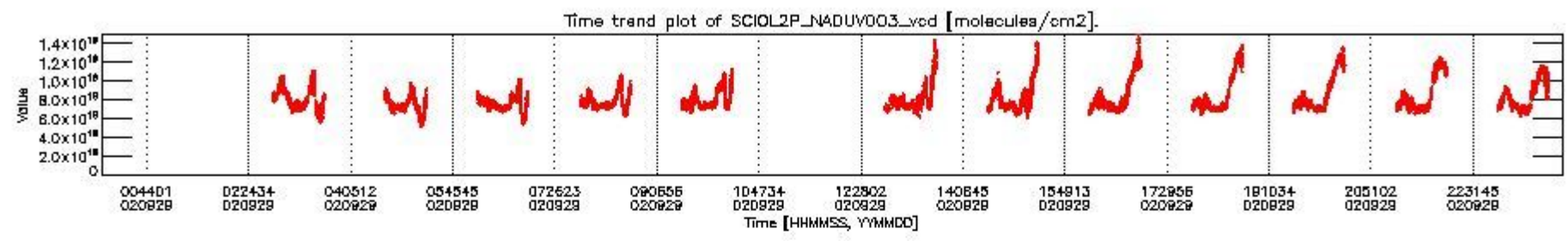
Number	Data item ID
0	SCIOL2P_NADUV003_vcd
1	SCIOL2P_NADUV003_vcd_err
2	SCIOL2P_NADUV003_amf_gr

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.

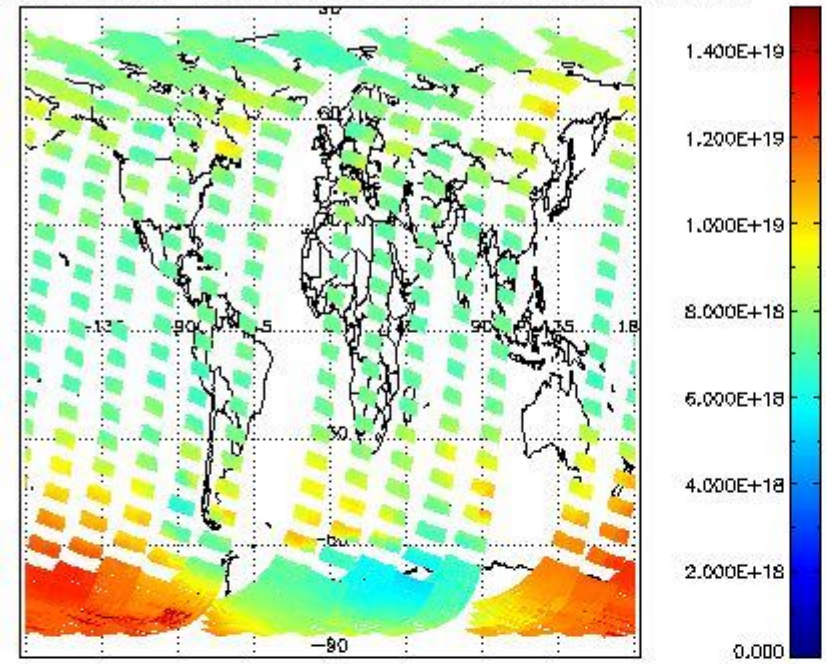
#### 2.2.2.1 O3 (UV0)



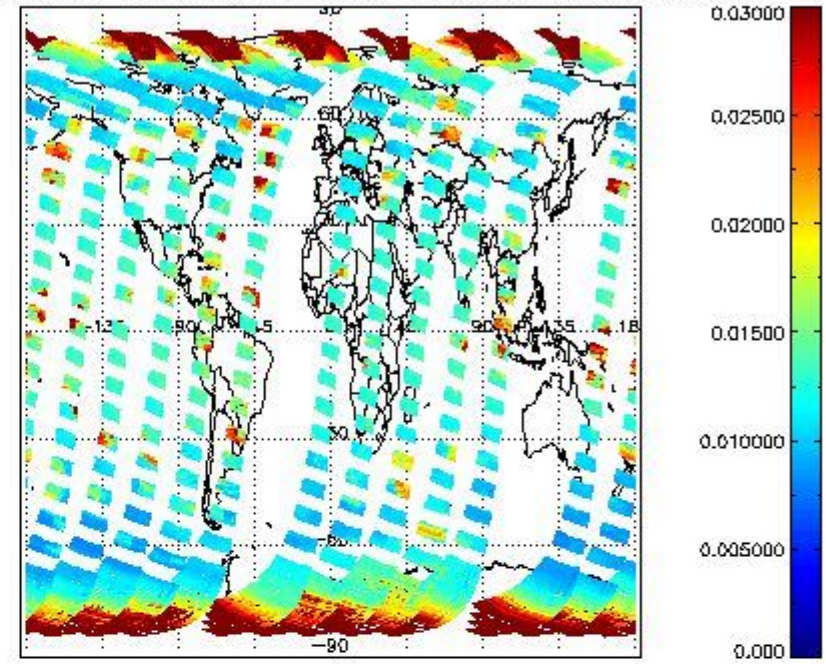




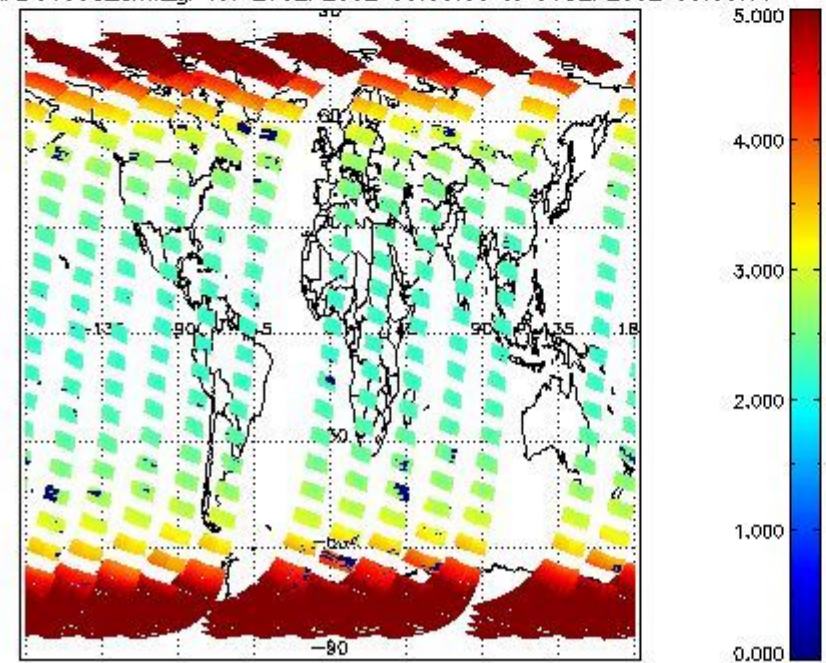
SCIOL2P\_NADUV003\_vcd for 29SEP2002 00:00:00 to 30SEP2002 00:00:00



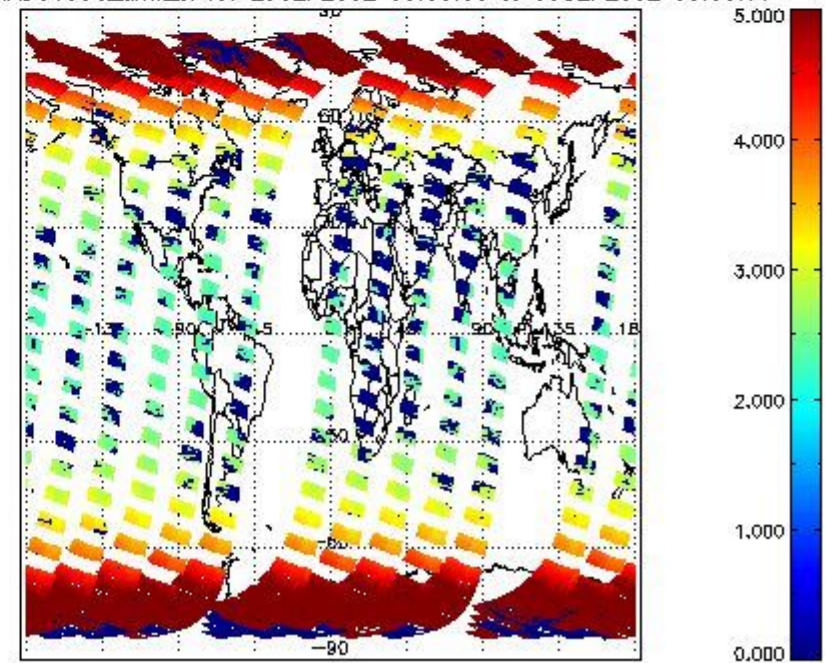
SCIOL2P\_NADUV003\_vcd\_err for 29SEP2002 00:00:00 to 30SEP2002 00:00:00



SCIOL2P\_NADUV003\_amf\_gr for 29SEP2002 00:00:00 to 30SEP2002 00:00:00

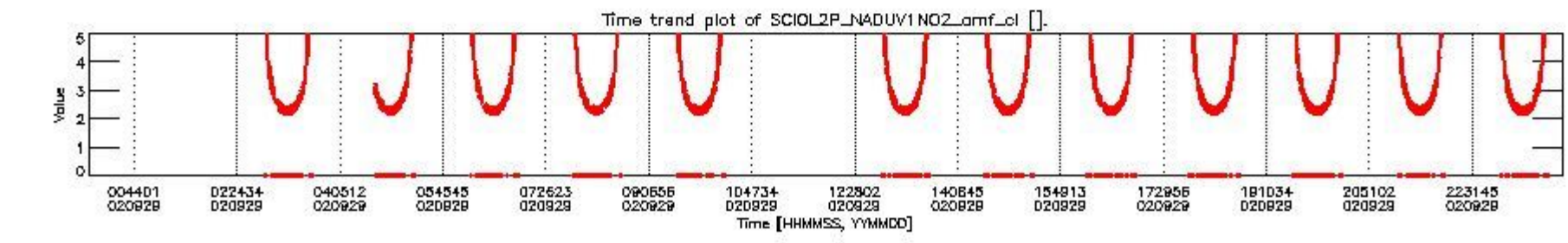
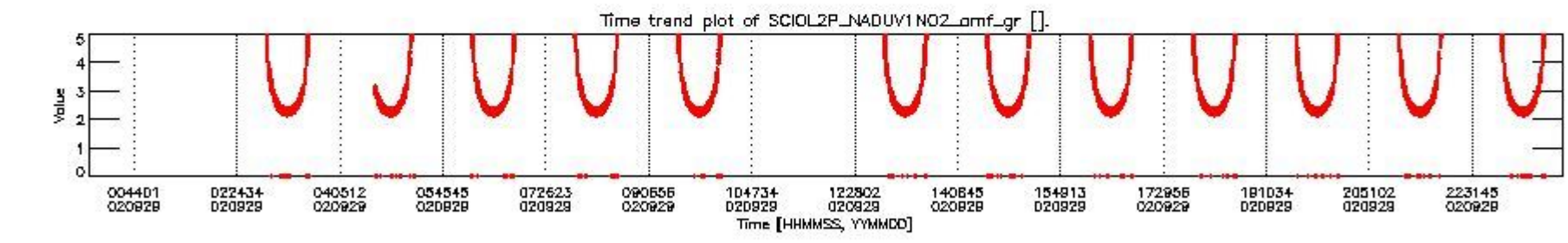
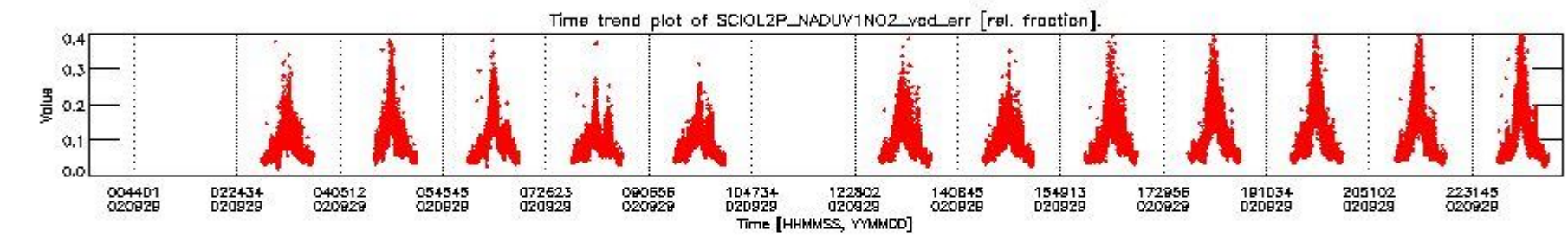
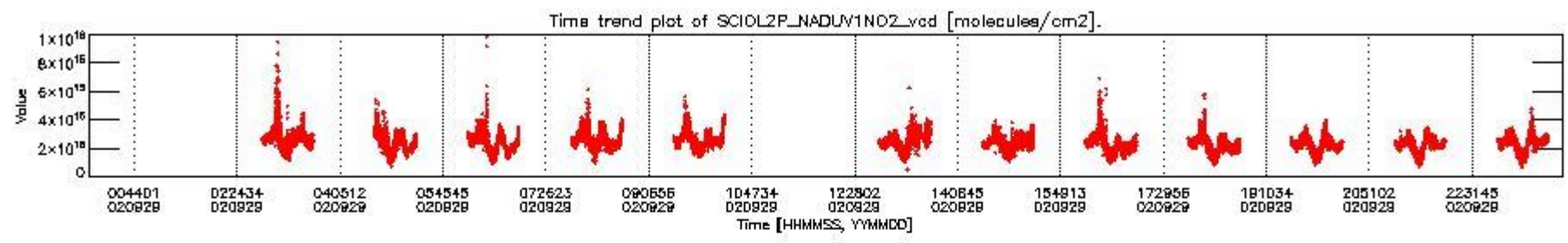


SCIOL2P\_NADUV003\_amf\_cl for 29SEP2002 00:00:00 to 30SEP2002 00:00:00



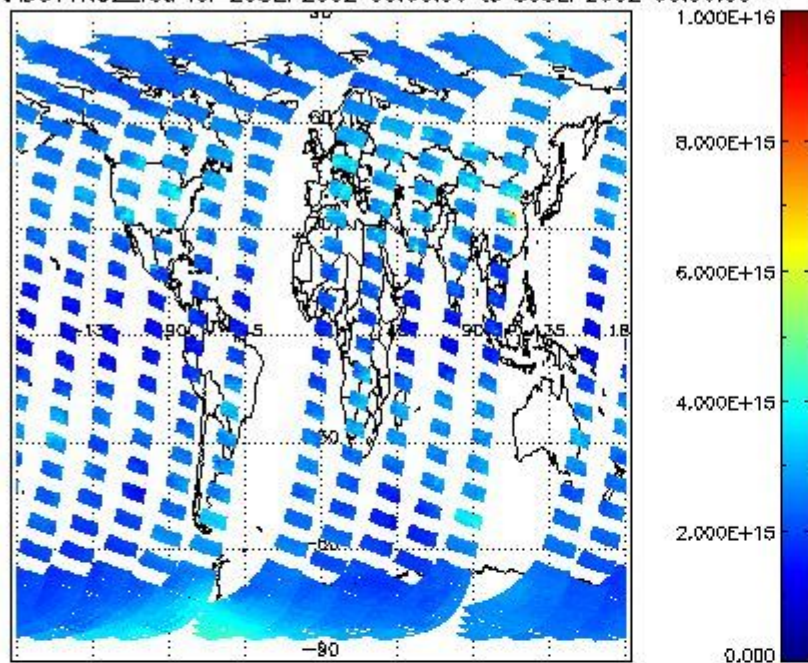
2.2.2.2 NO2 (UV1)



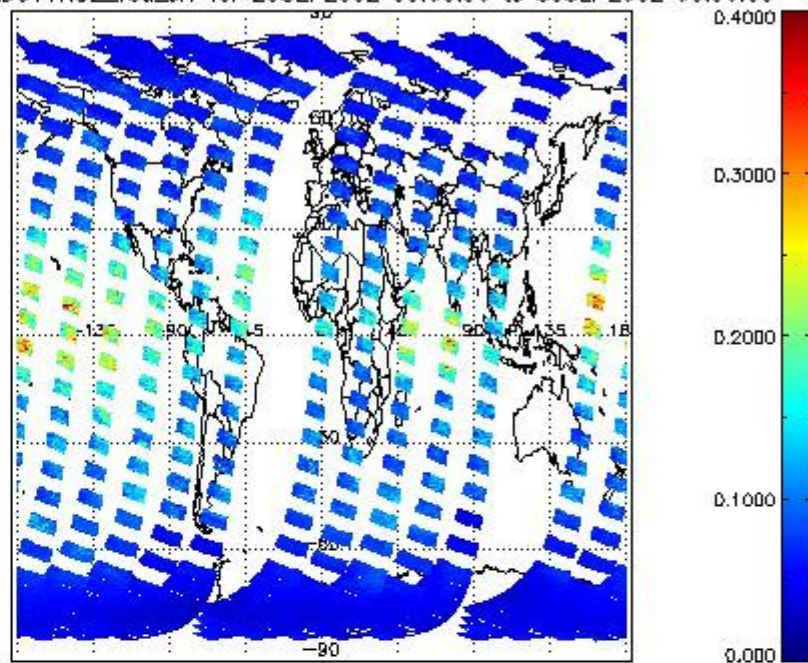




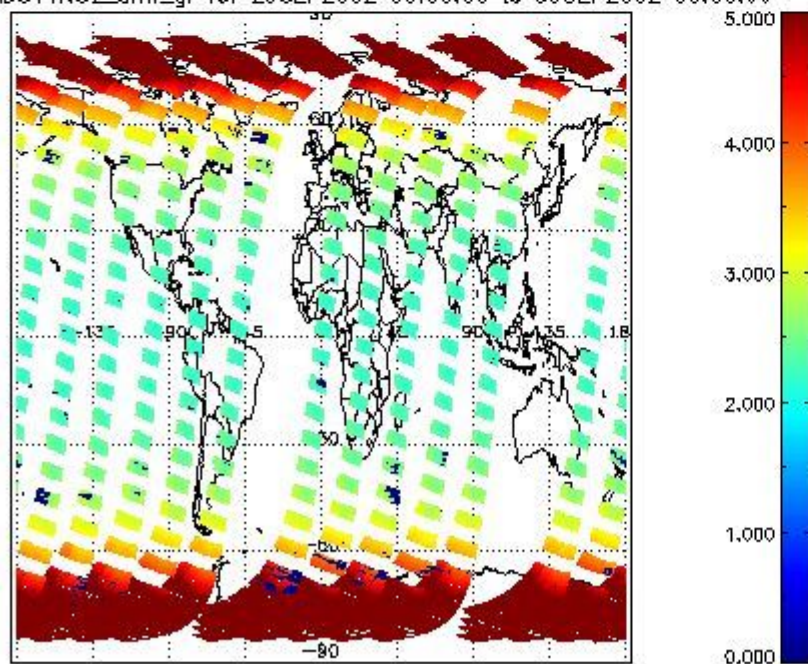
SCIOL2P\_NADUV1NO2\_vcd for 29SEP2002 00:00:00 to 30SEP2002 00:00:00



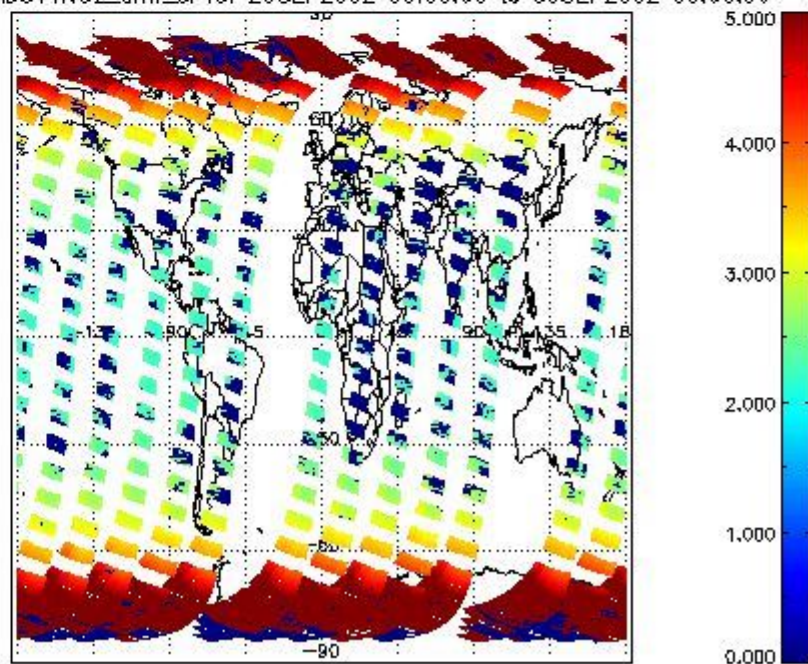
SCIOL2P\_NADUV1NO2\_vcd\_err for 29SEP2002 00:00:00 to 30SEP2002 00:00:00



SCIOL2P\_NADUV1NO2\_amf\_gr for 29SEP2002 00:00:00 to 30SEP2002 00:00:00

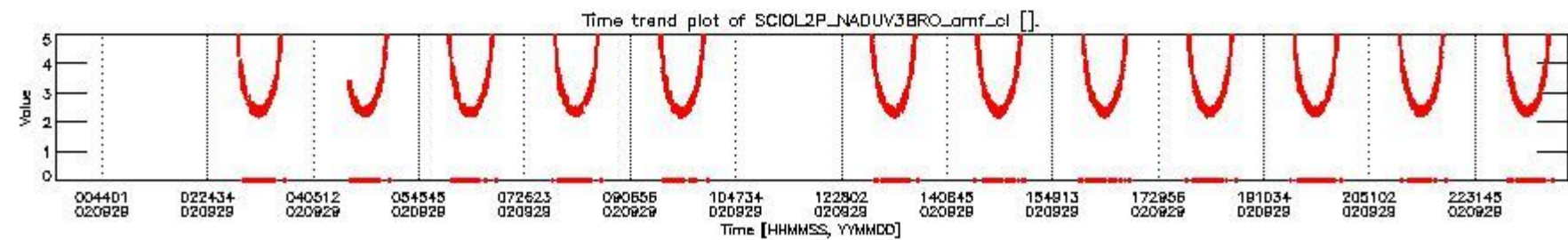
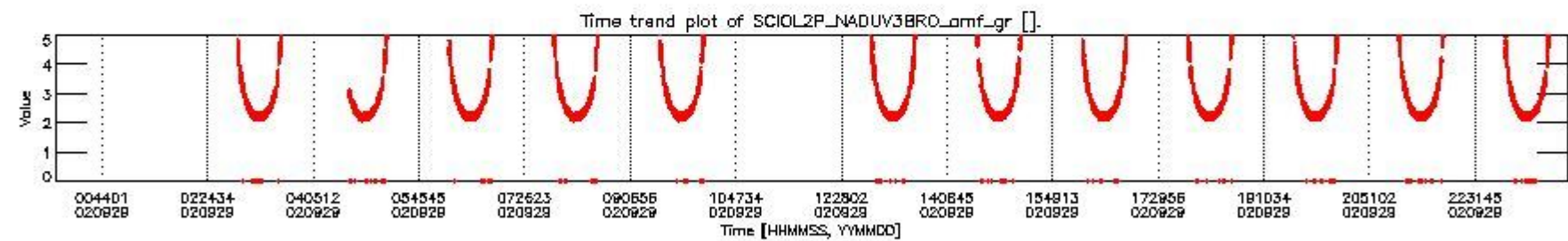
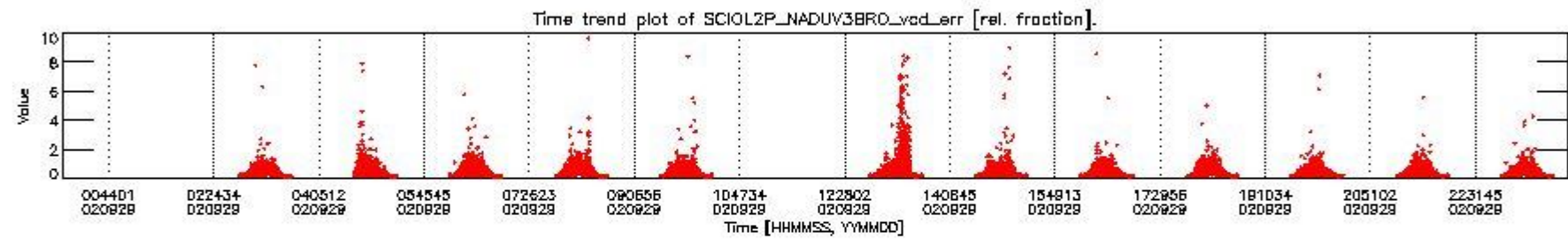
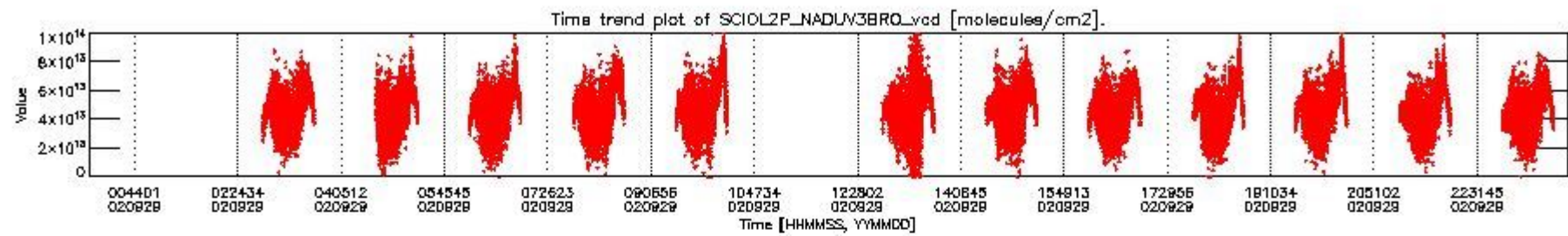


SCIOL2P\_NADUV1NO2\_amf\_cl for 29SEP2002 00:00:00 to 30SEP2002 00:00:00



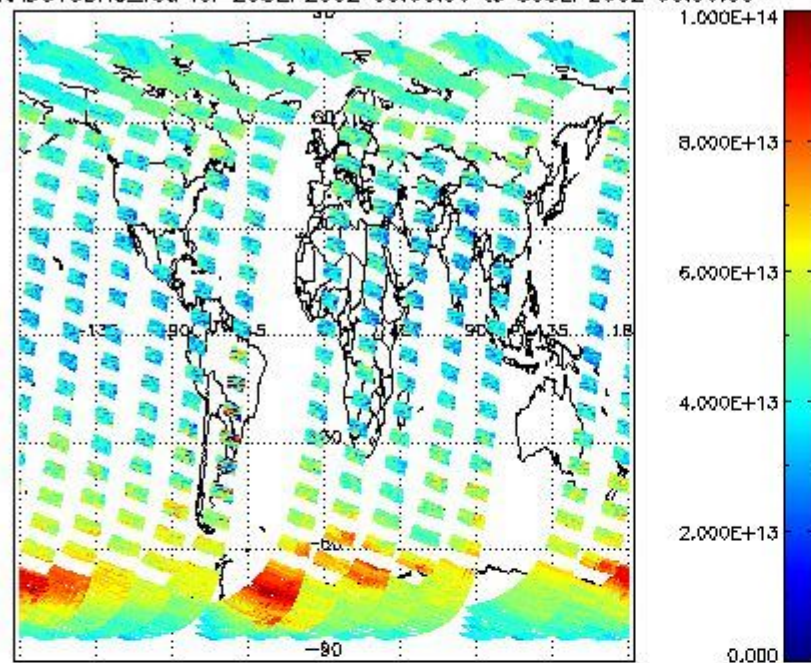
2.2.2.3 BrO (UV3)



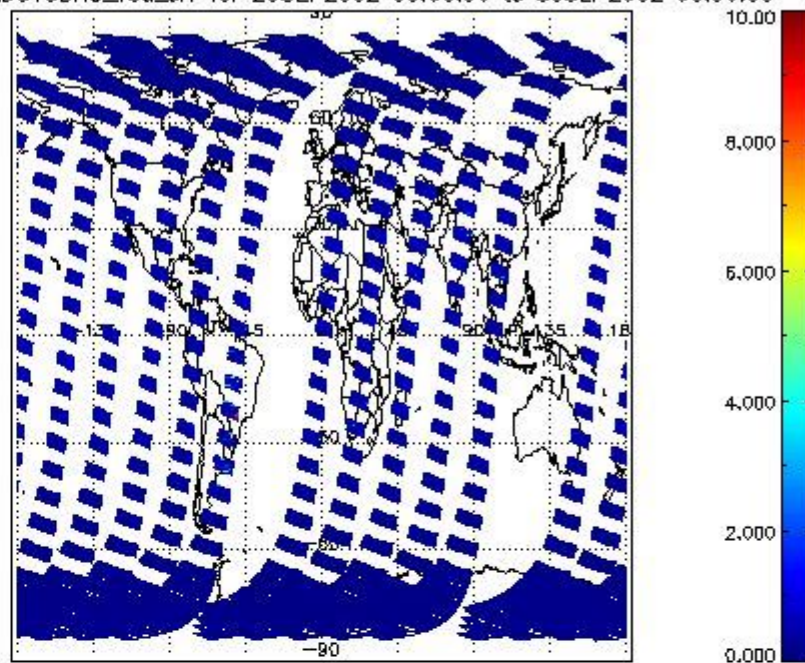




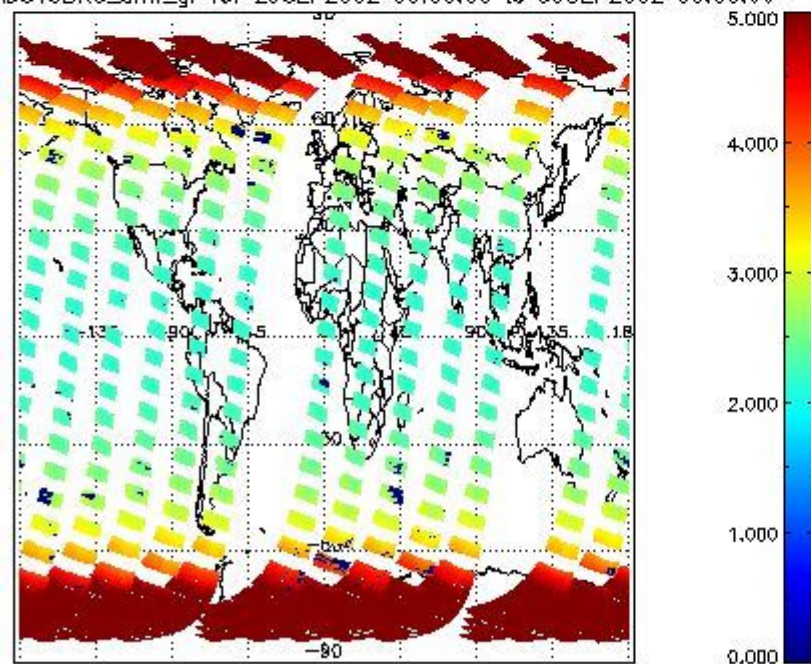
SCIOL2P\_NADUV3BRO\_vcd for 29SEP2002 00:00:00 to 30SEP2002 00:00:00



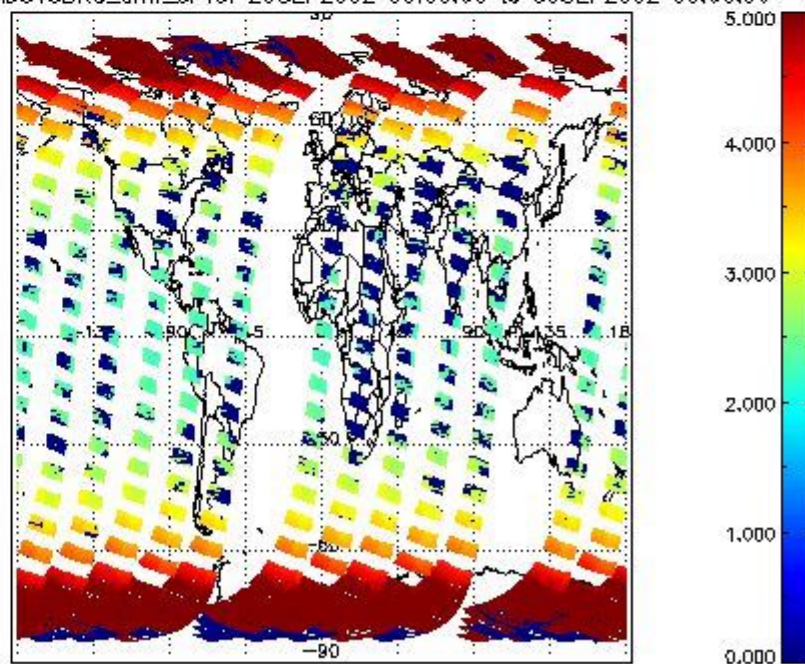
SCIOL2P\_NADUV3BRO\_vcd\_err for 29SEP2002 00:00:00 to 30SEP2002 00:00:00



SCIOL2P\_NADUV3BRO\_amf\_gr for 29SEP2002 00:00:00 to 30SEP2002 00:00:00

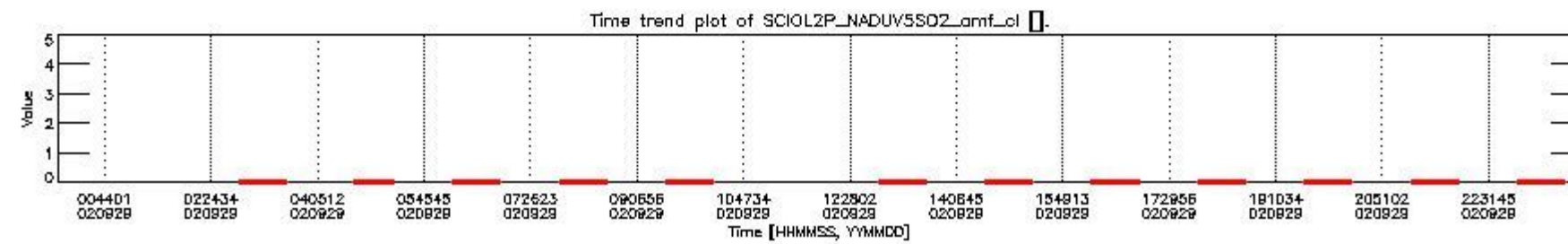
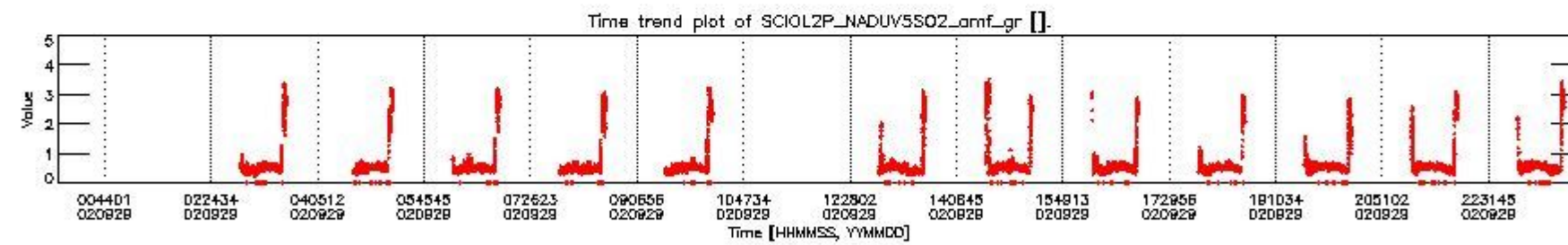
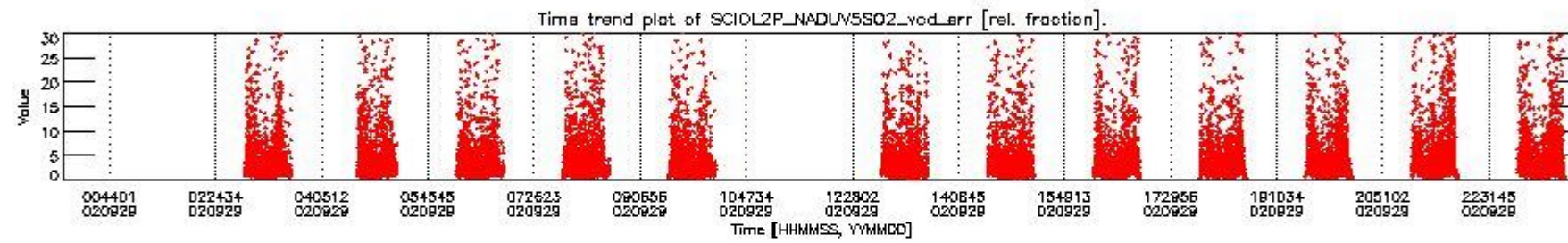
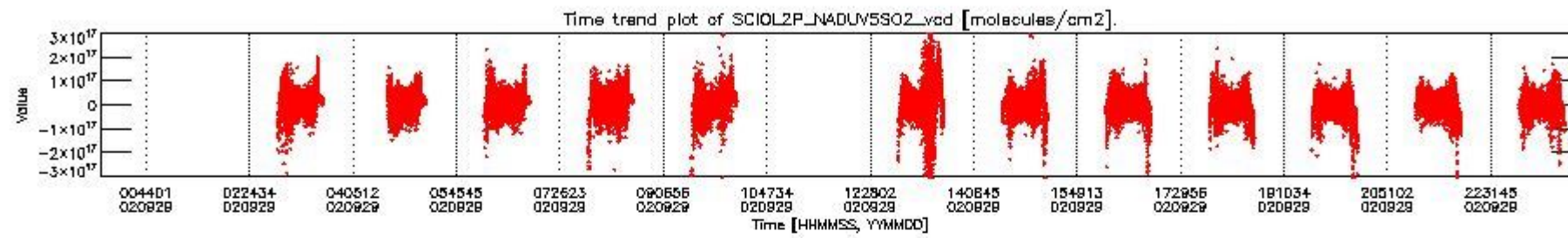


SCIOL2P\_NADUV3BRO\_amf\_cl for 29SEP2002 00:00:00 to 30SEP2002 00:00:00



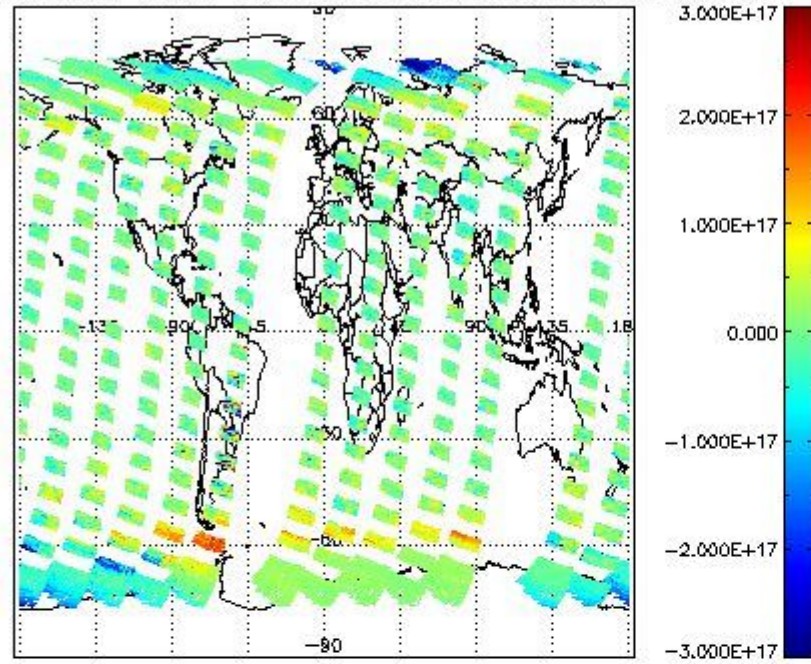
2.2.2.4 SO2 (UV5)



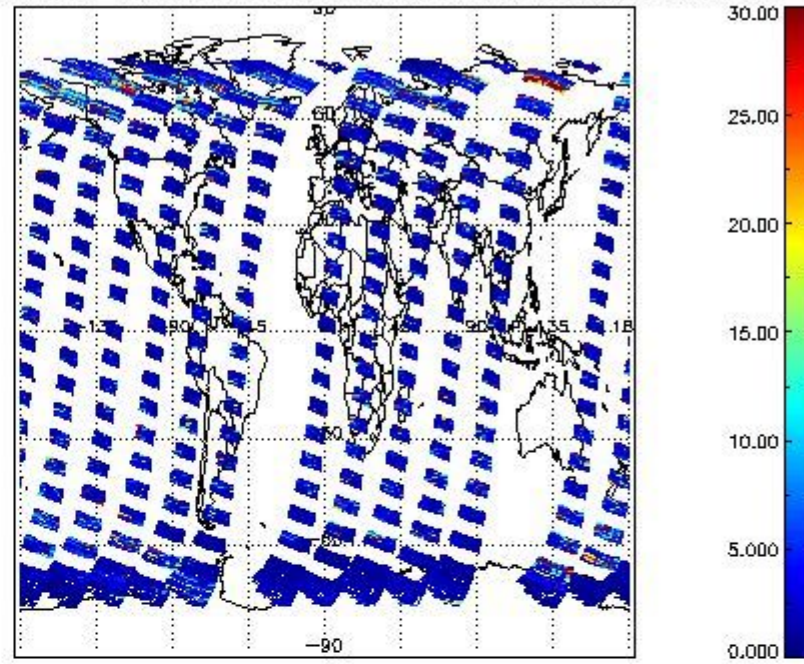




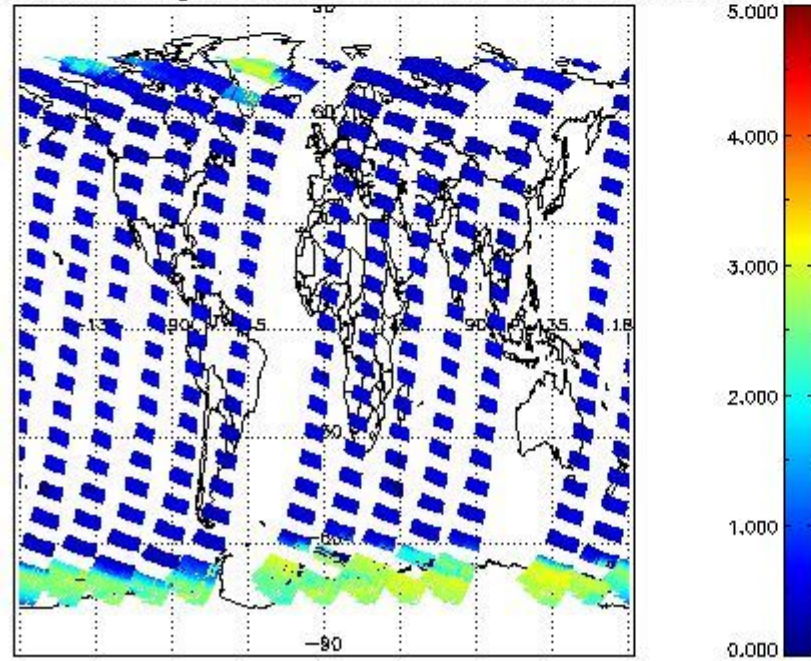
SCIOL2P\_NADUV5S02\_vcd for 29SEP2002 00:00:00 to 30SEP2002 00:00:00



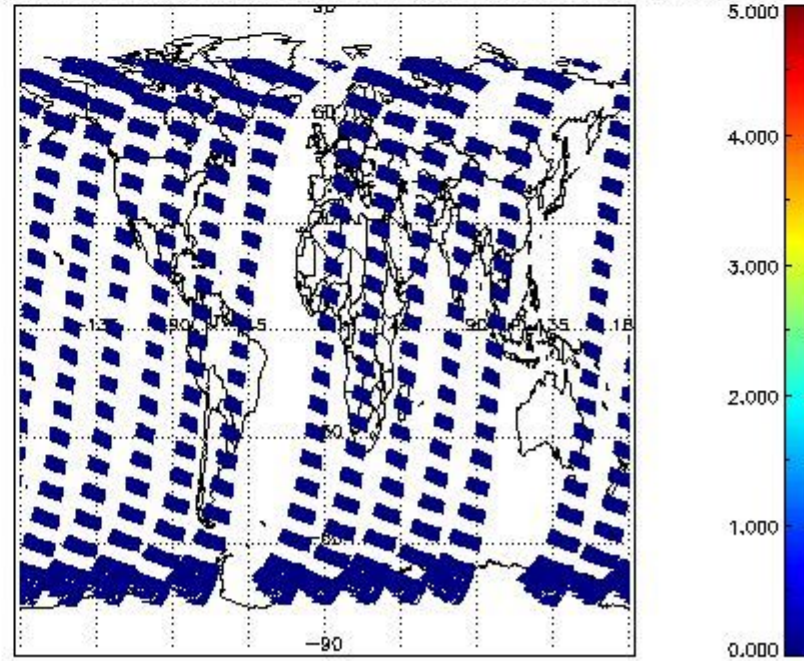
SCIOL2P\_NADUV5S02\_vcd\_err for 29SEP2002 00:00:00 to 30SEP2002 00:00:00



SCIOL2P\_NADUV5S02\_amf\_gr for 29SEP2002 00:00:00 to 30SEP2002 00:00:00

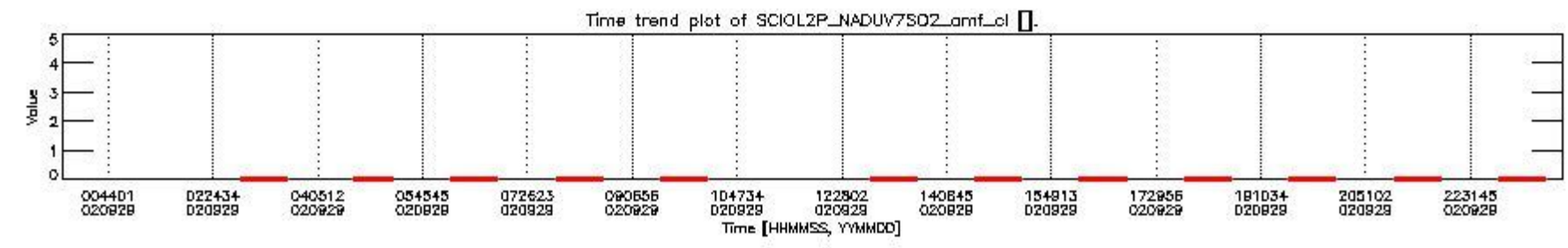
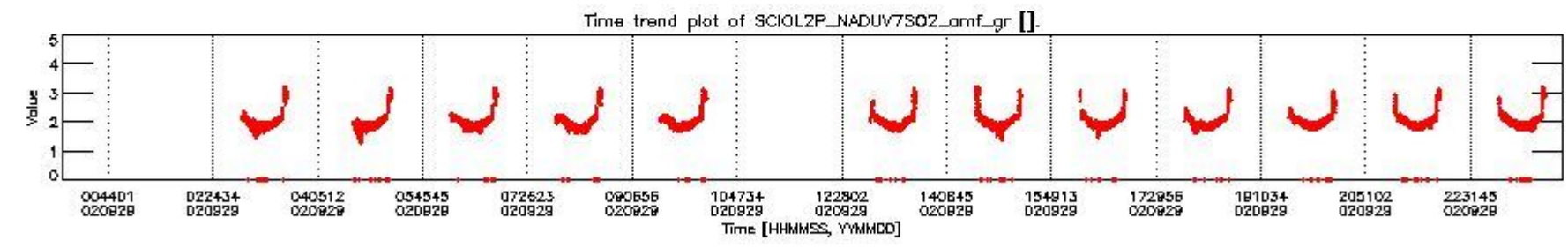
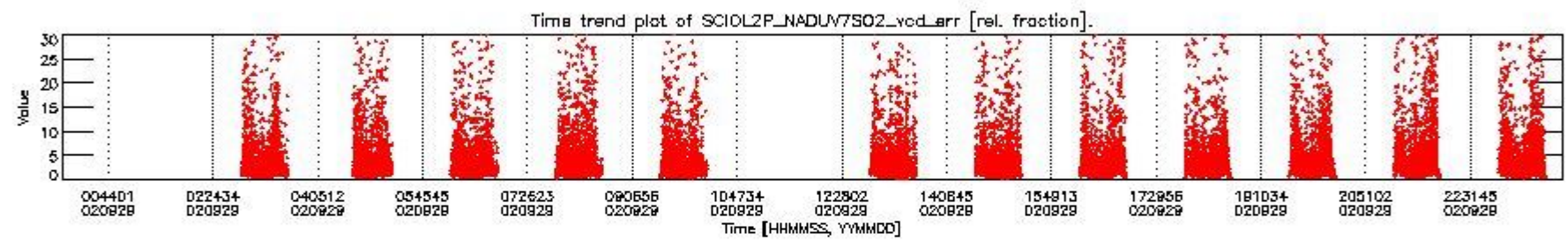
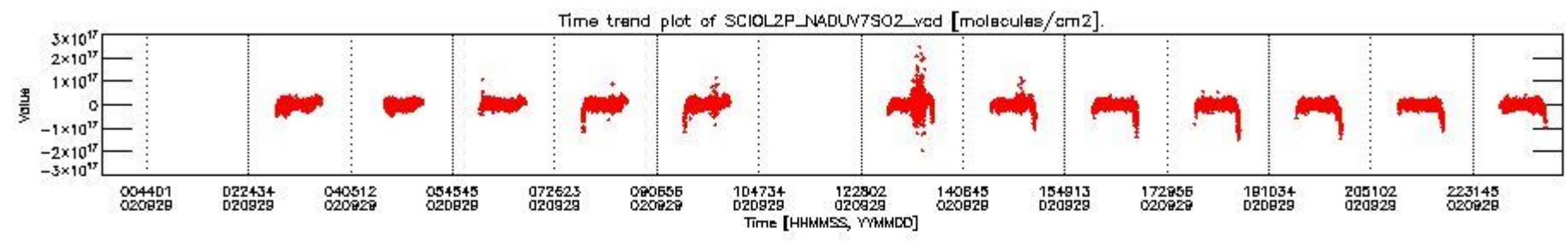


SCIOL2P\_NADUV5S02\_amf\_cl for 29SEP2002 00:00:00 to 30SEP2002 00:00:00



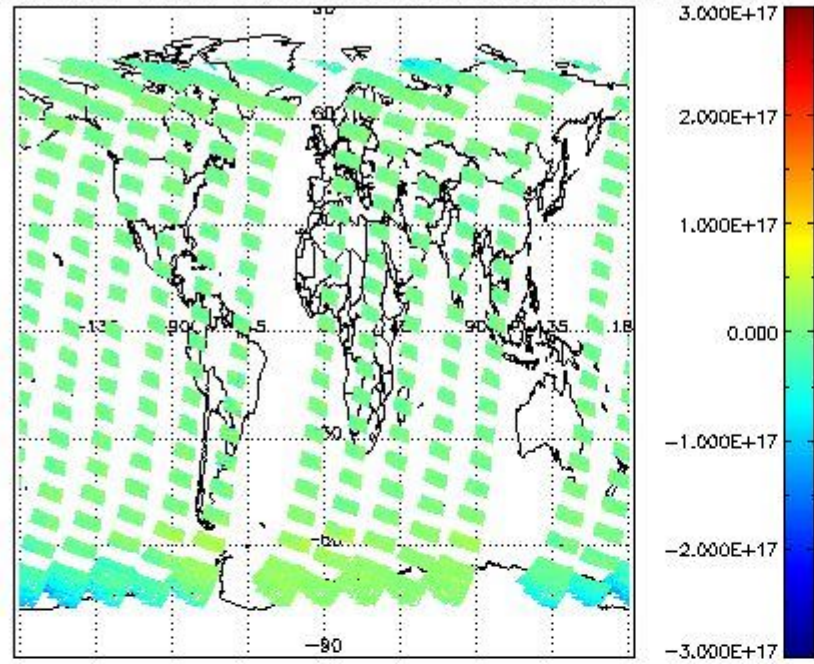
2.2.2.5 SO2 (UV7)



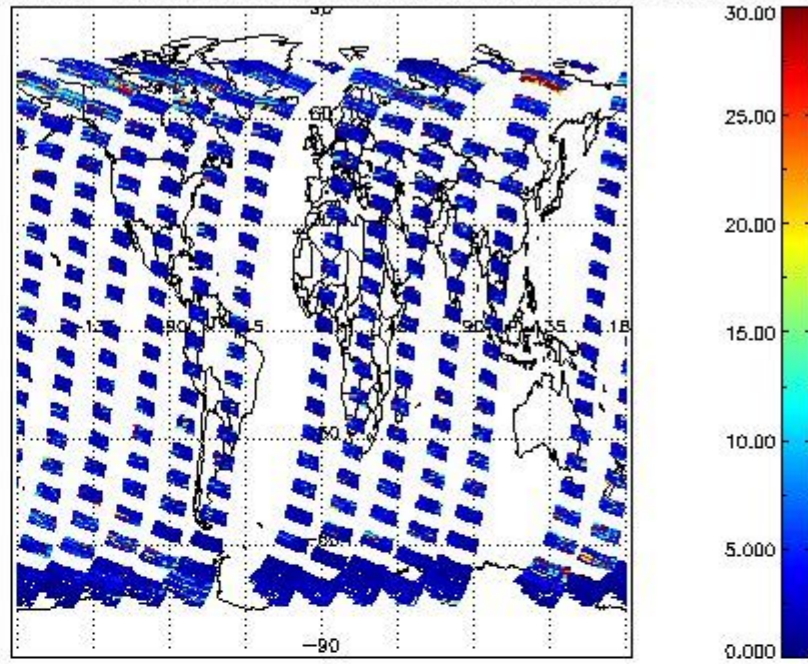




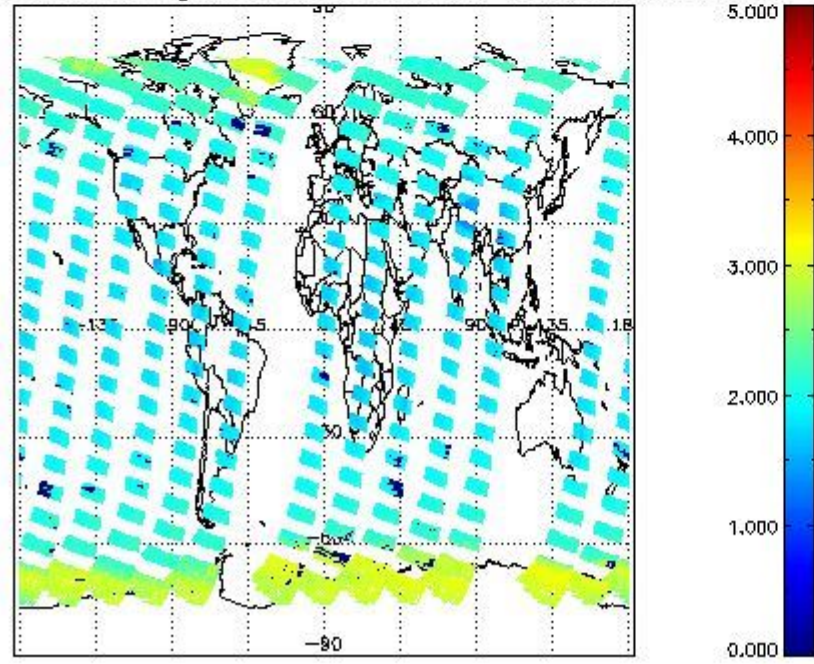
SCIOL2P\_NADUV7S02\_vcd for 29SEP2002 00:00:00 to 30SEP2002 00:00:00



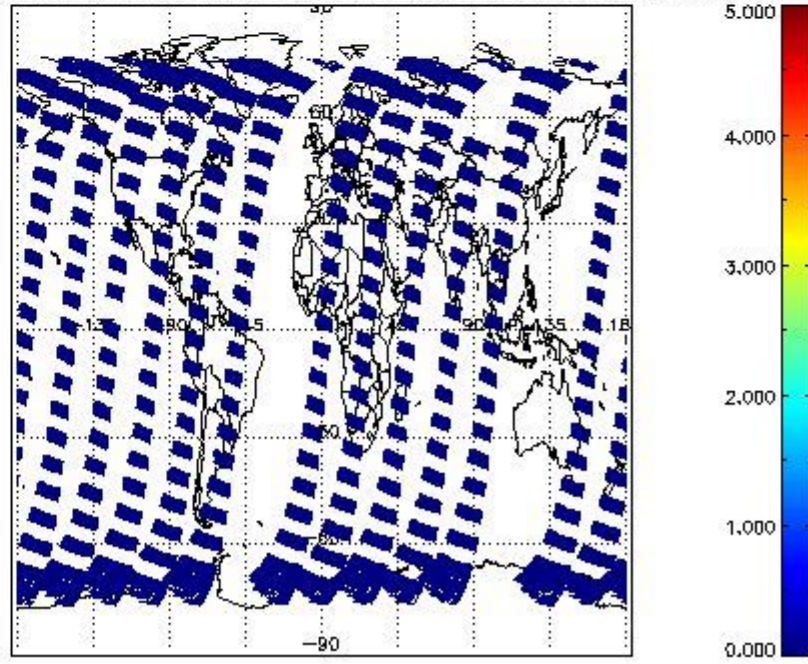
SCIOL2P\_NADUV7S02\_vcd\_err for 29SEP2002 00:00:00 to 30SEP2002 00:00:00



SCIOL2P\_NADUV7S02\_amf\_gr for 29SEP2002 00:00:00 to 30SEP2002 00:00:00

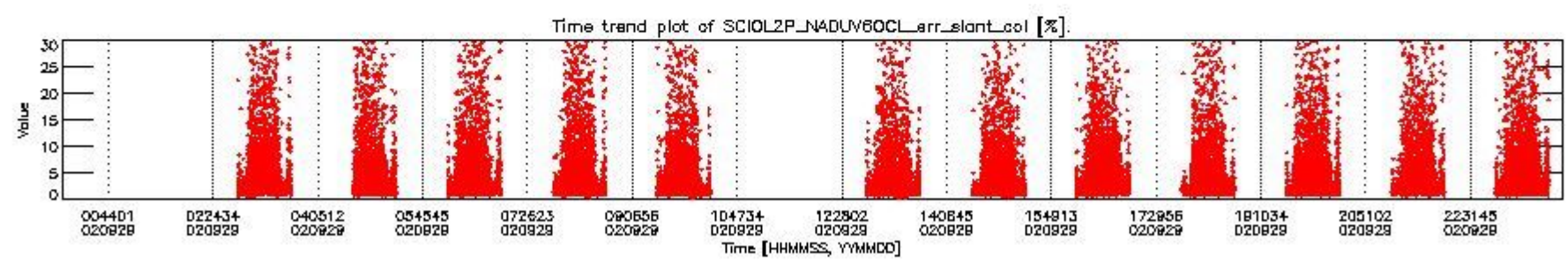
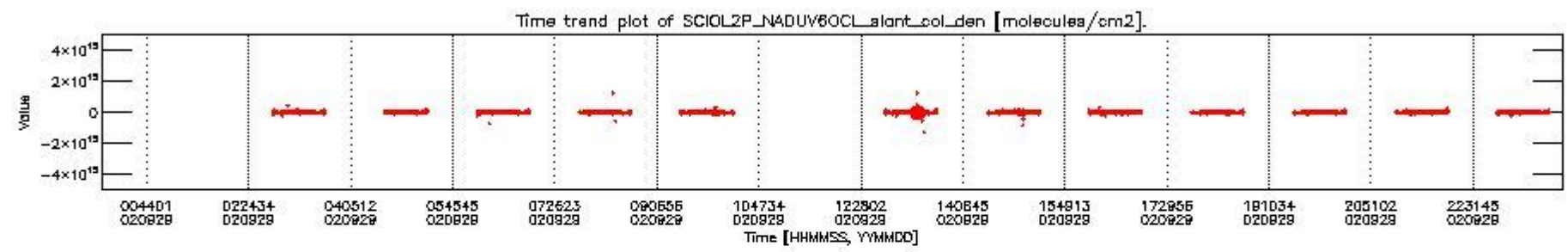


SCIOL2P\_NADUV7S02\_amf\_cl for 29SEP2002 00:00:00 to 30SEP2002 00:00:00

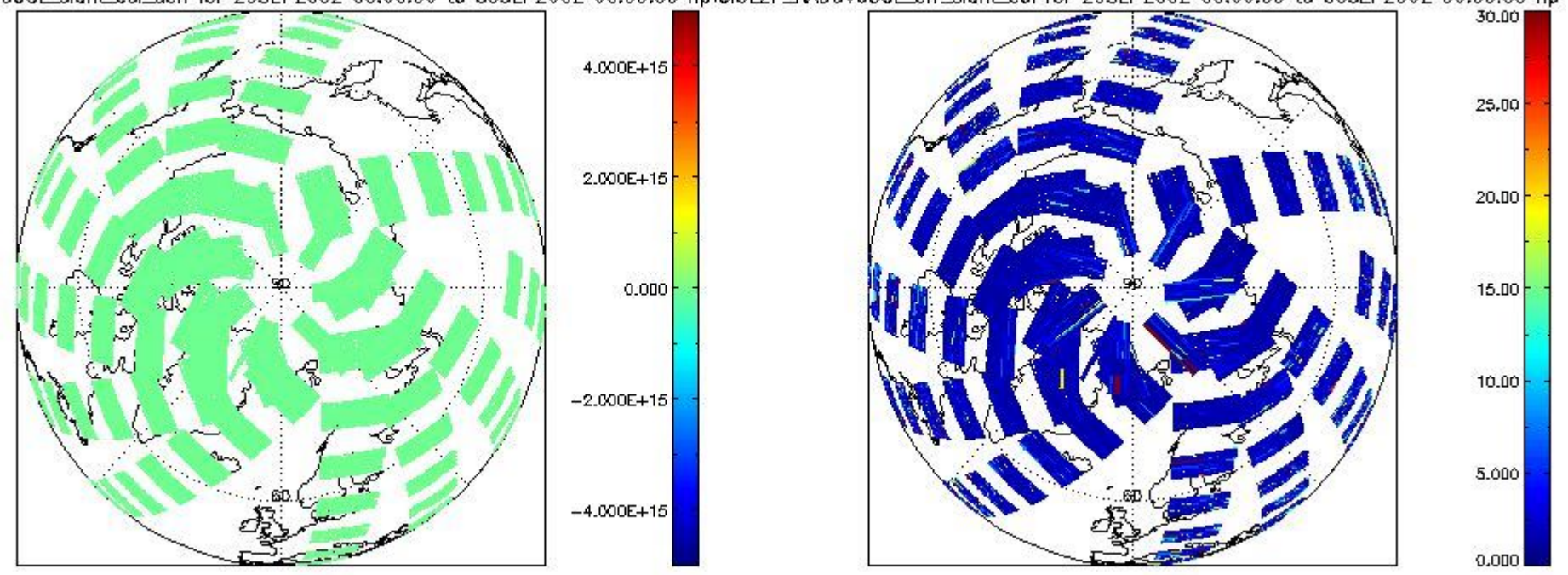


## 2.2.2.6 OCIO (UV6)



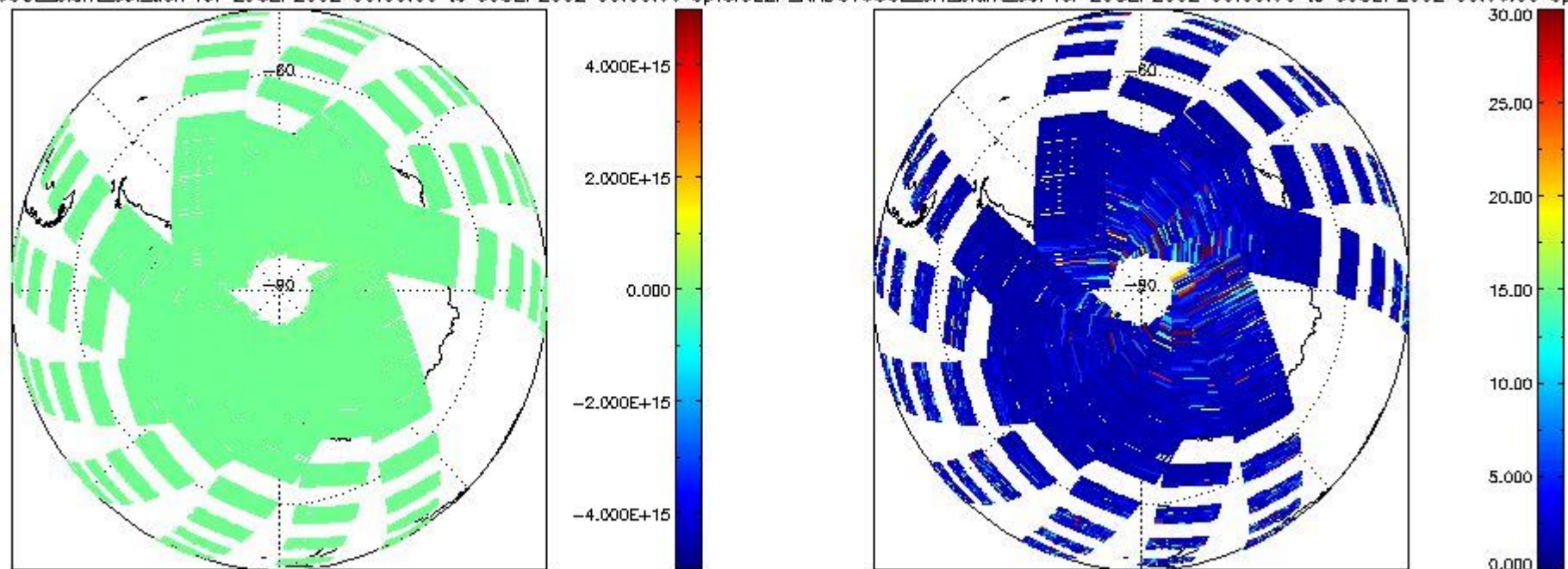


CIOL2P\_NADUV60CLslant\_col\_den for 29SEP2002 00:00:00 to 30SEP2002 00:00:00 np; CIOL2P\_NADUV60CLarr\_slant\_col for 29SEP2002 00:00:00 to 30SEP2002 00:00:00 np

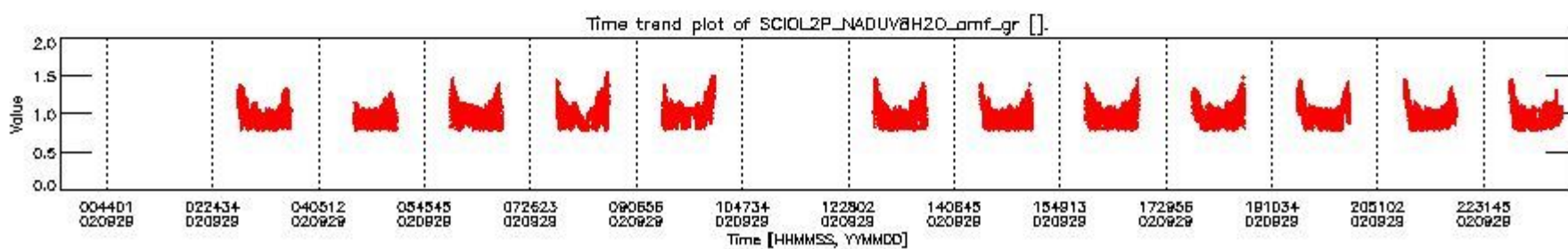
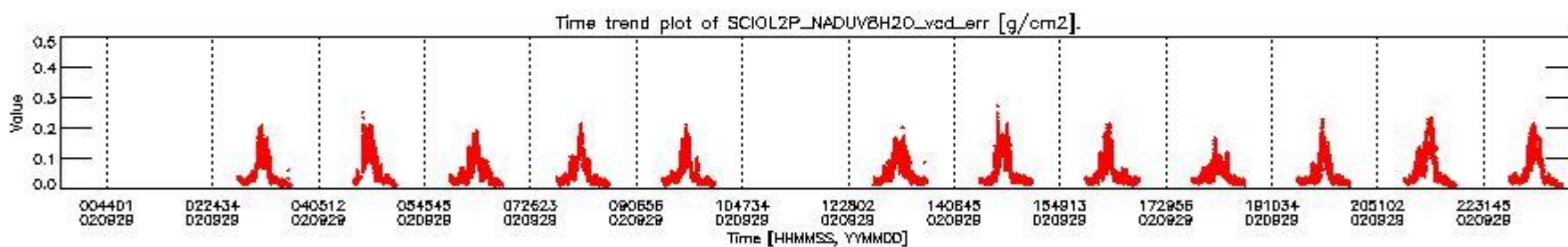
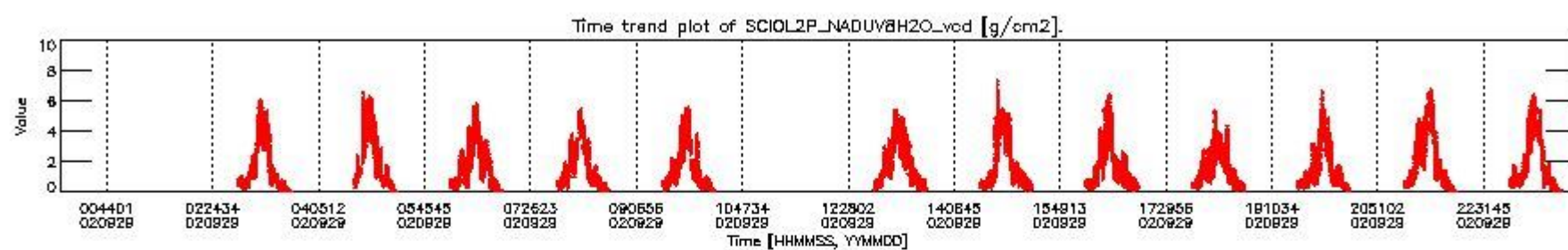




CIOL2P\_NADUV60CL\_slant\_col\_den for 29SEP2002 00:00:00 to 30SEP2002 00:00:00 sp CIOL2P\_NADUV60CL\_err\_slant\_col for 29SEP2002 00:00:00 to 30SEP2002 00:00:00 sp

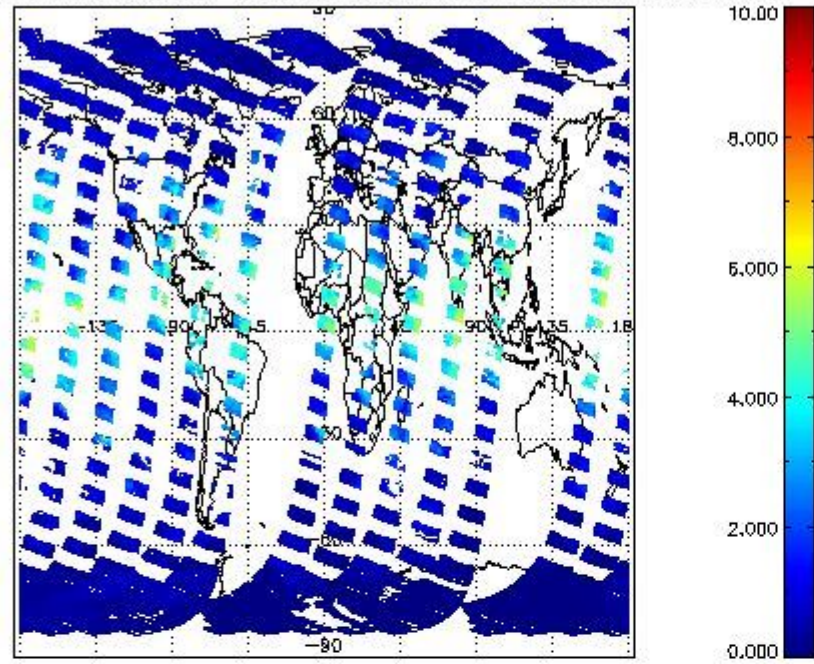


### 2.2.2.7 H2O (UV8)

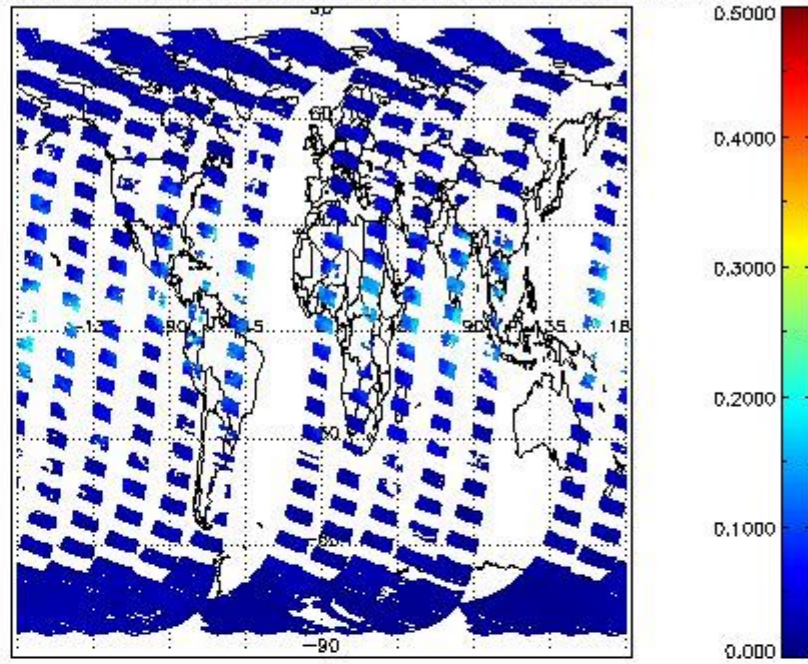




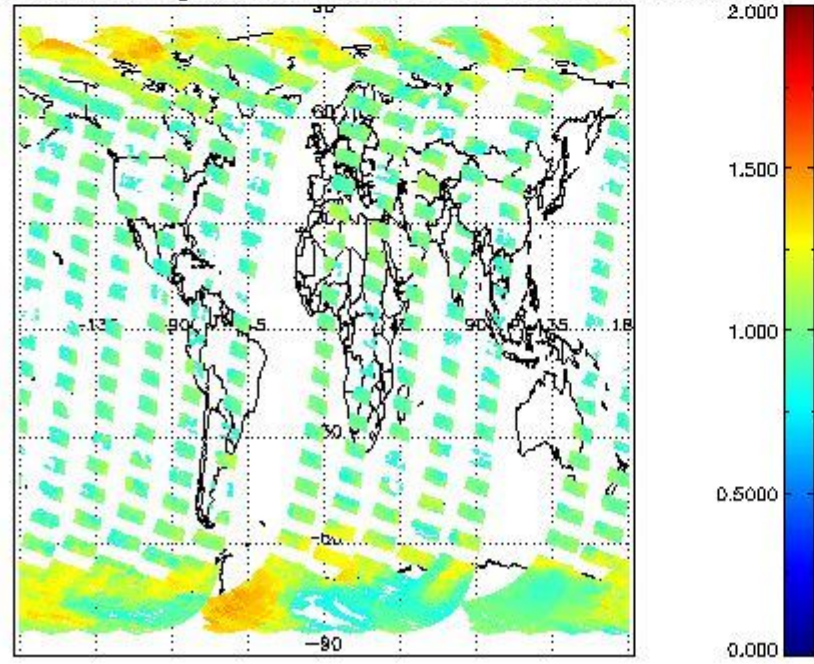
SCIOL2P\_NADUV8H2O\_vcd for 29SEP2002 00:00:00 to 30SEP2002 00:00:00



SCIOL2P\_NADUV8H2O\_vcd\_err for 29SEP2002 00:00:00 to 30SEP2002 00:00:00

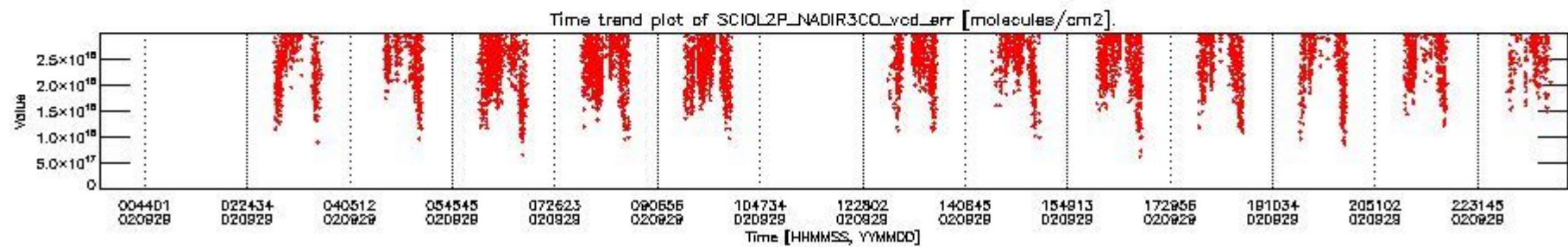
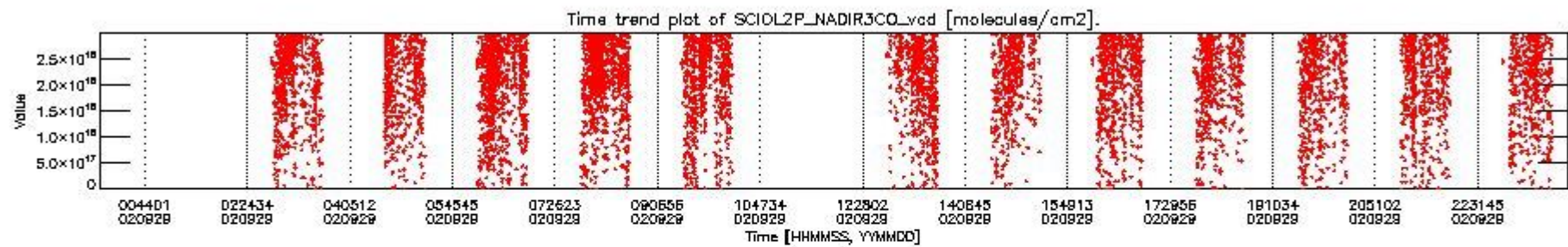


SCIOL2P\_NADUV8H2O\_arnf\_gr for 29SEP2002 00:00:00 to 30SEP2002 00:00:00

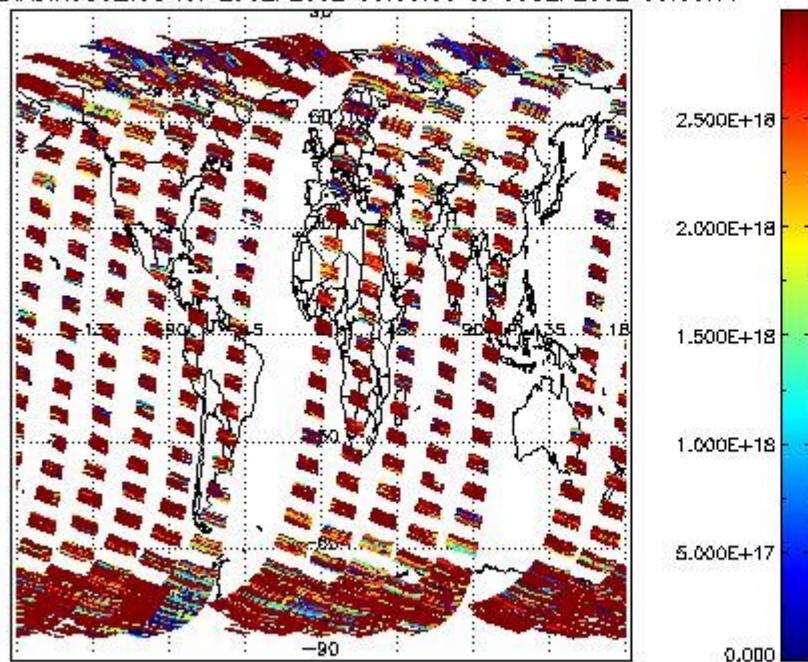


### 2.2.2.8 CO (IR3)

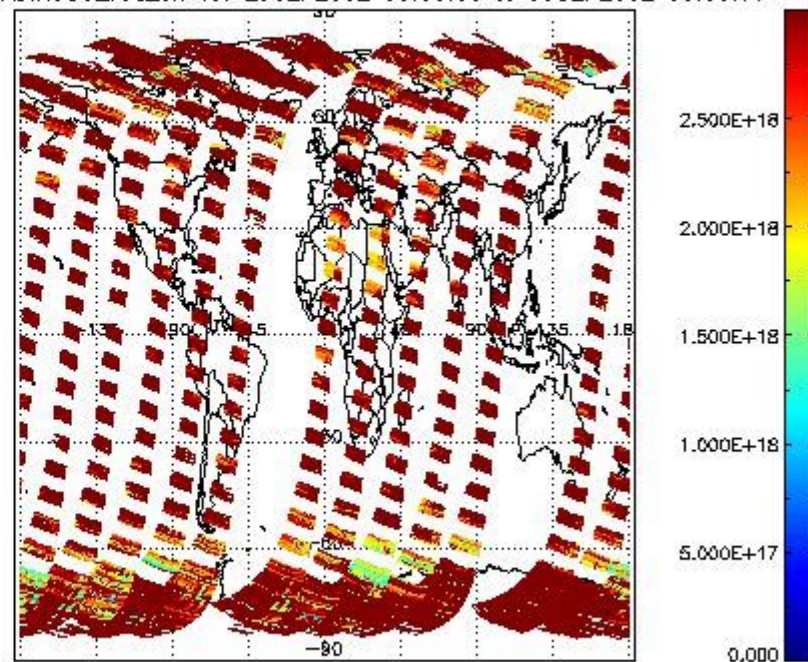




SCIDL2P\_NADIR3CO\_vcd for 29SEP2002 00:00:00 to 30SEP2002 00:00:00



SCIDL2P\_NADIR3CO\_vcd\_err for 29SEP2002 00:00:00 to 30SEP2002 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.

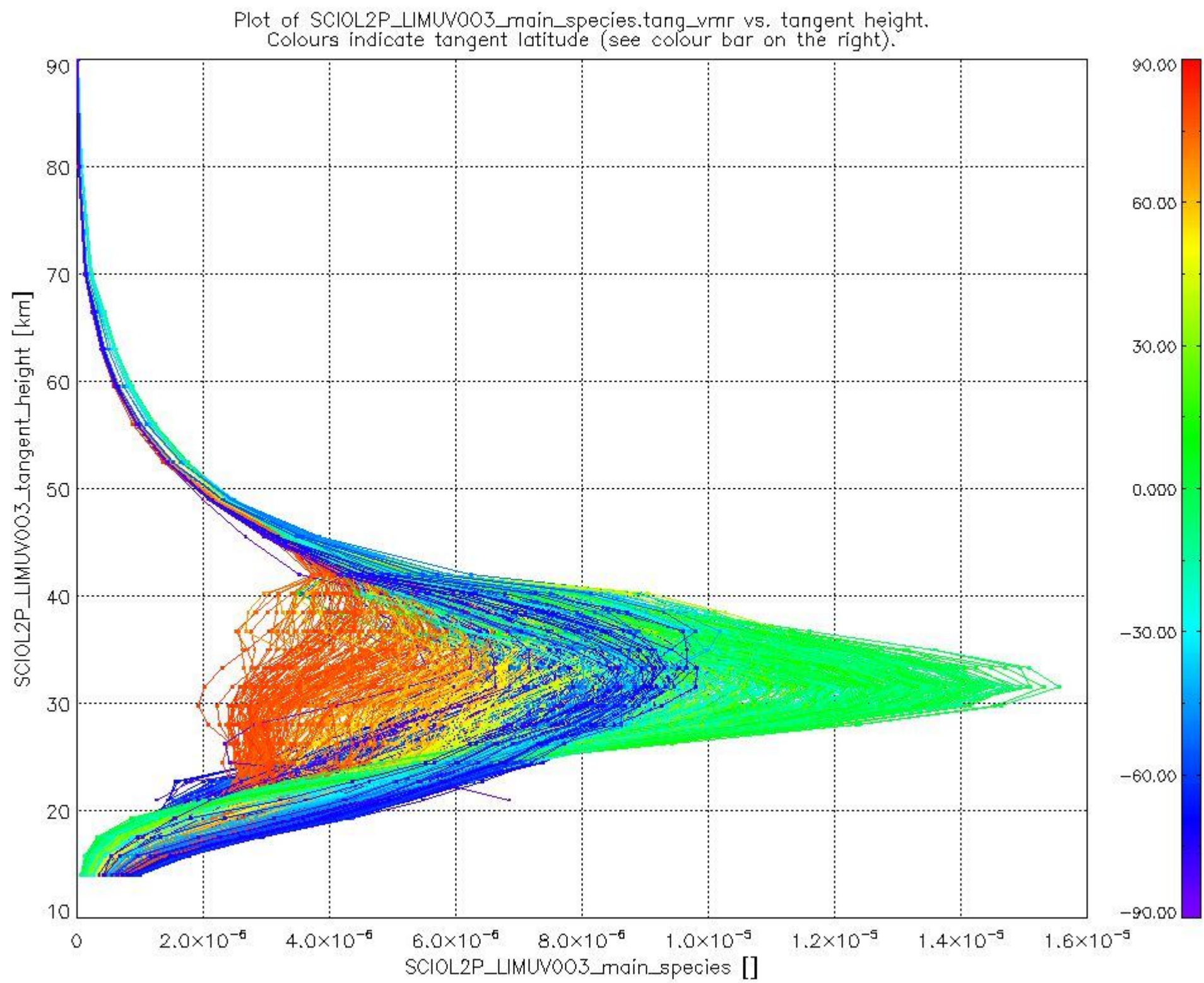
The following data items are currently included into this section:

Number	Data item ID
0	SCIDL2P_LIMUV003_main_species
1	SCIDL2P_LIMUV1NO2_main_species
2	SCIDL2P_LIMUV3BRO_main_species



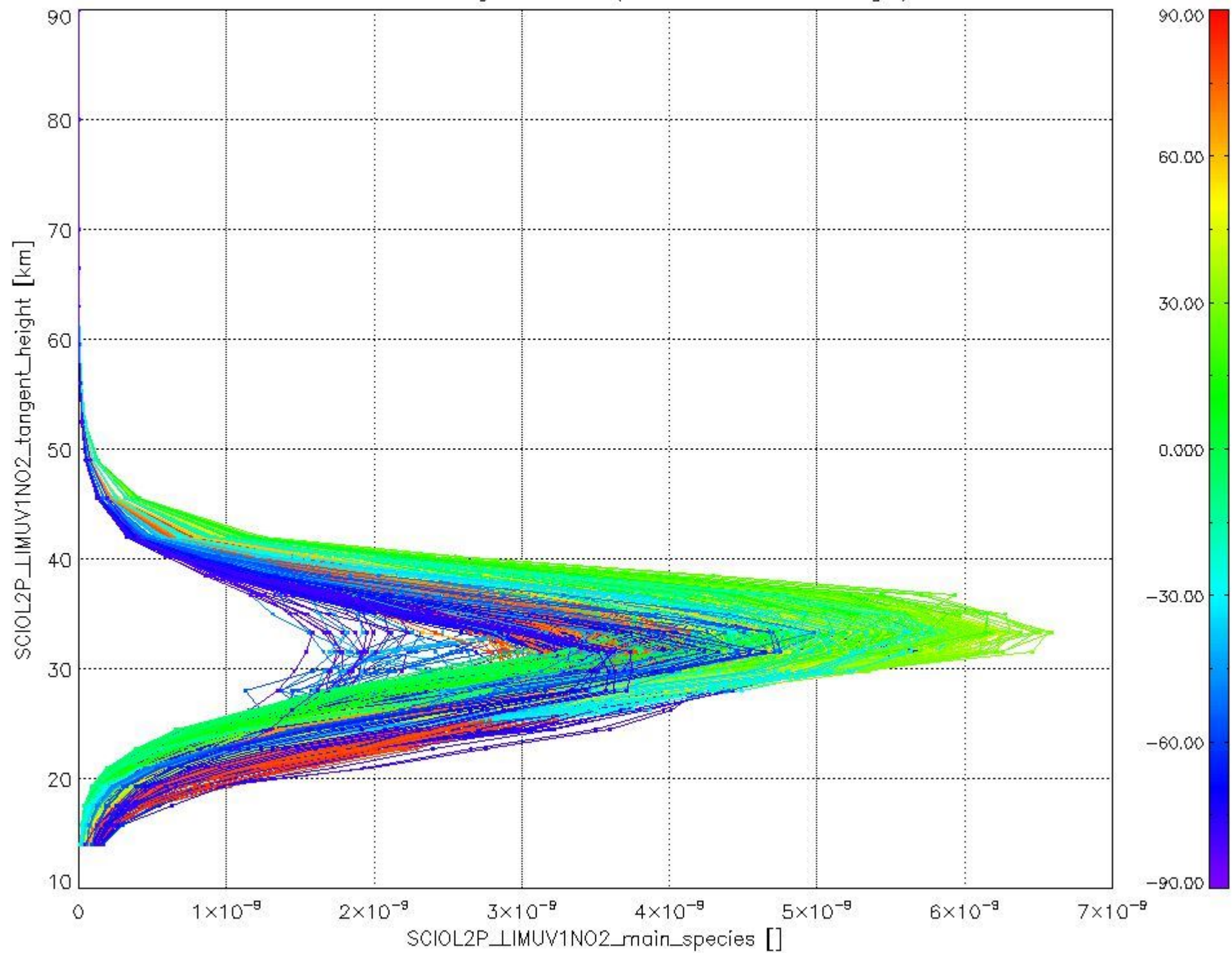
The following plots show for each species the tangent volume mixing ratio vs. tangent height. Colours indicate tangent latitude.

2.2.3.1 O3 (UV0)



2.2.3.2 NO2 (UV1)

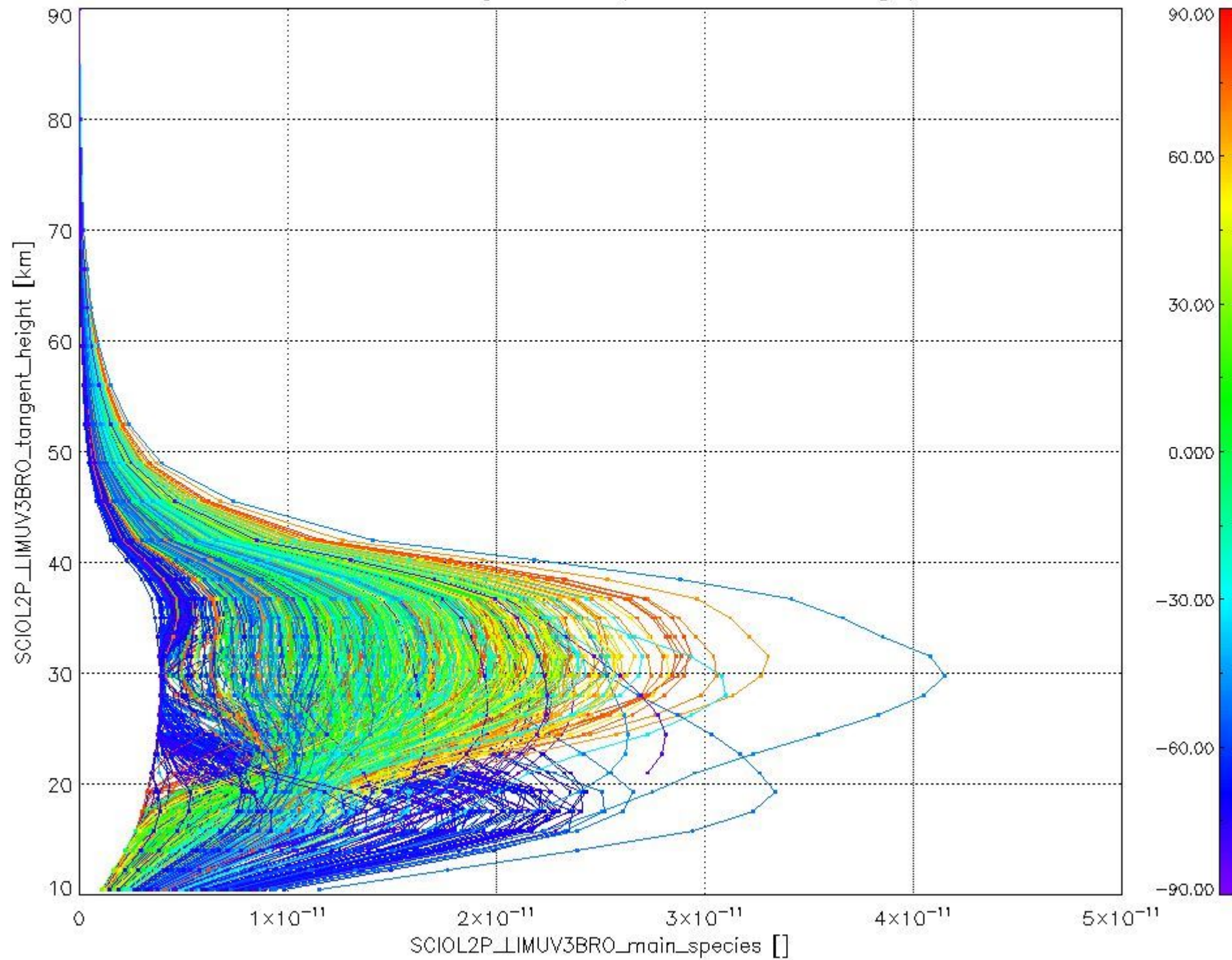
Plot of SCIOL2P\_LIMUV1NO2\_main\_species.tang\_vmr vs. tangent height.  
 Colours indicate tangent latitude (see colour bar on the right).



### 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).



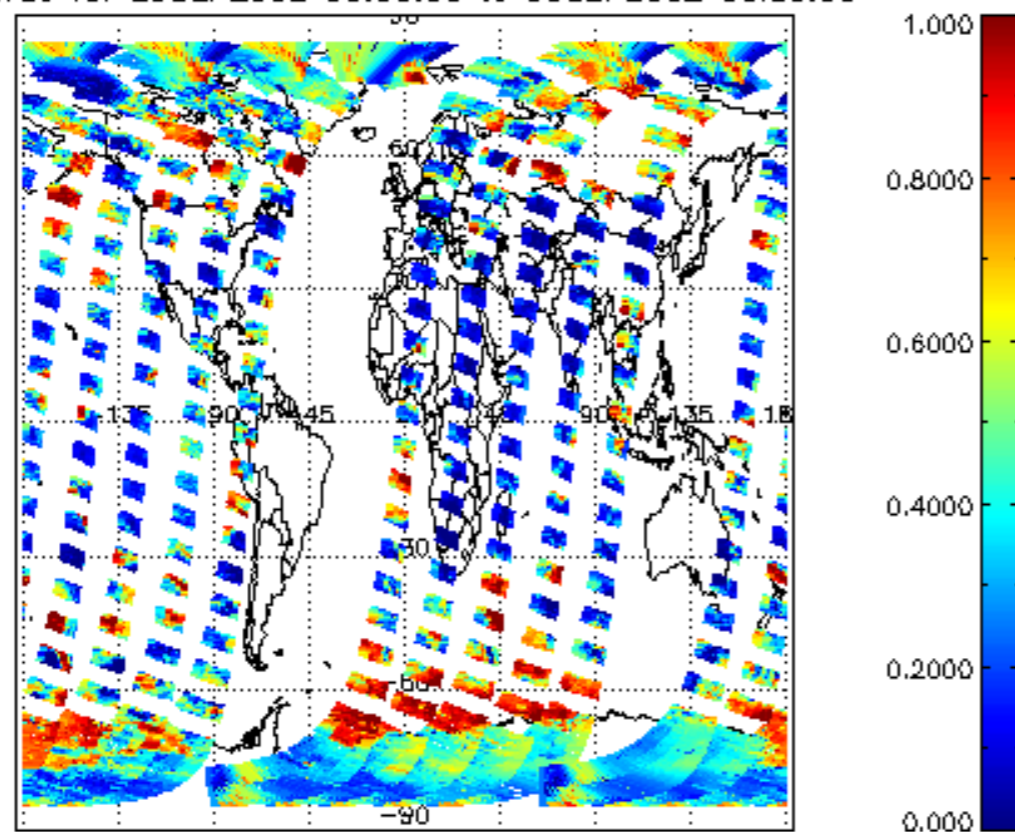
### 2.3 ADF monitoring

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_135612_20020928_161019_20020930_161019
3	SCI_MF1_AXNIEC20100218_135713_20020929_153842_20021001_153842

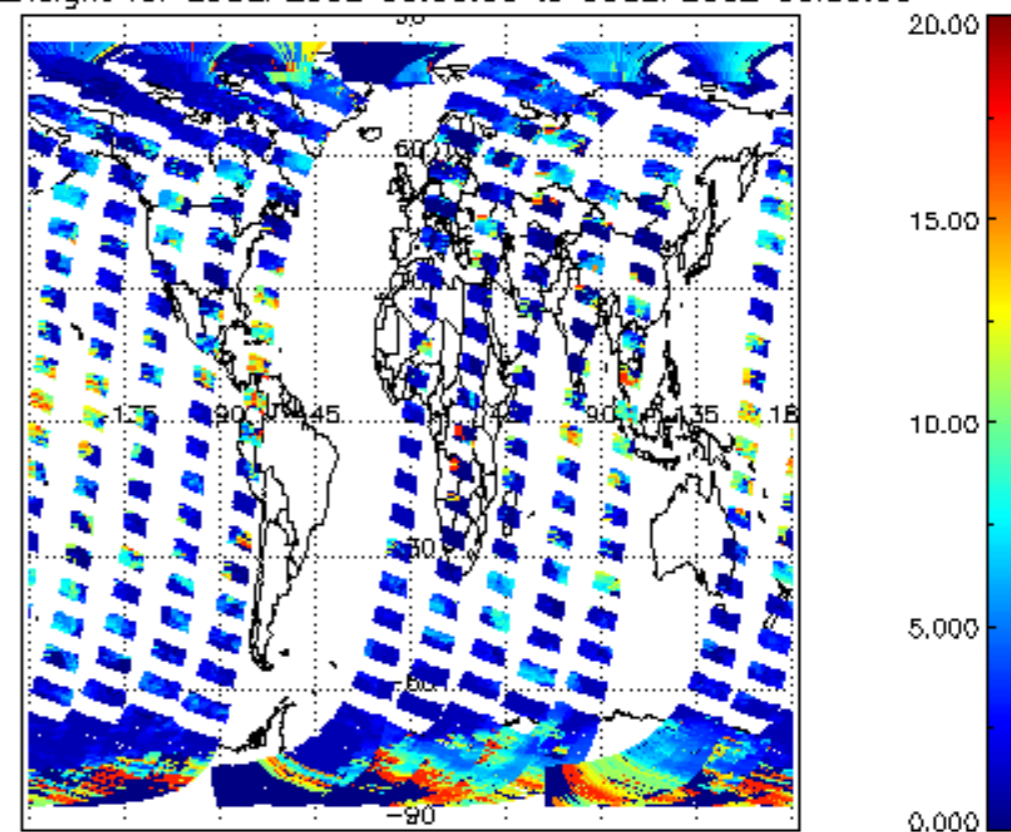




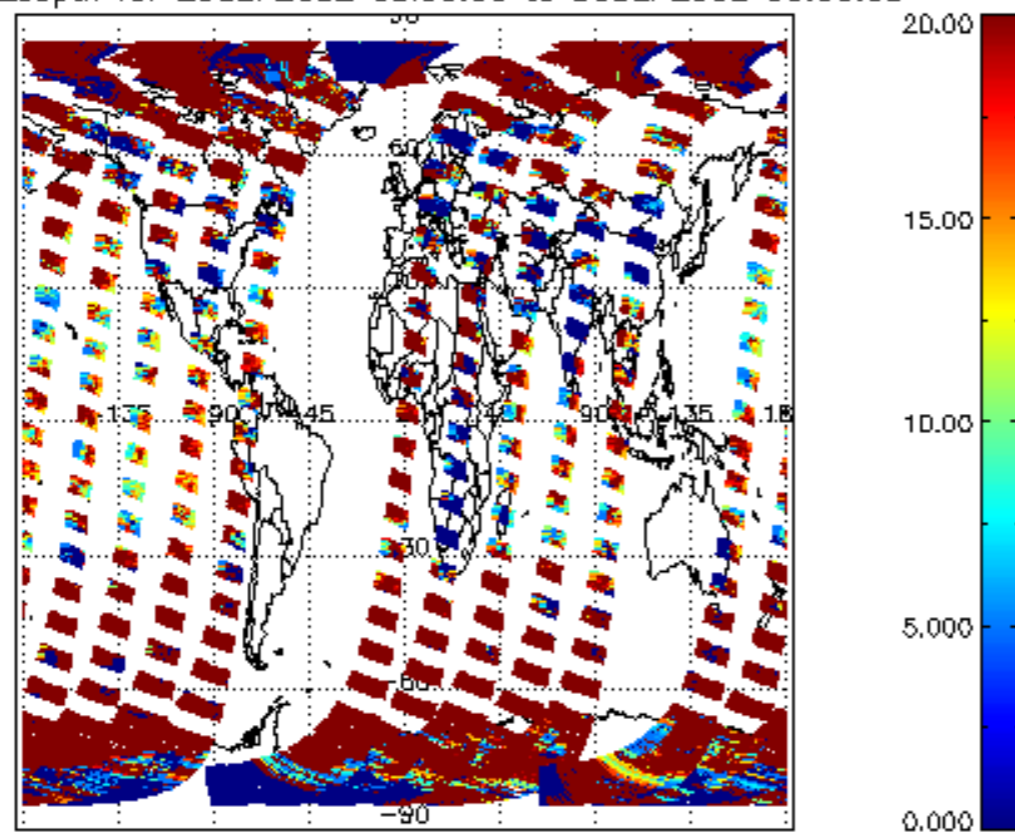
cl\_frac for 29SEP2002 00:00:00 to 30SEP2002 00:00:00



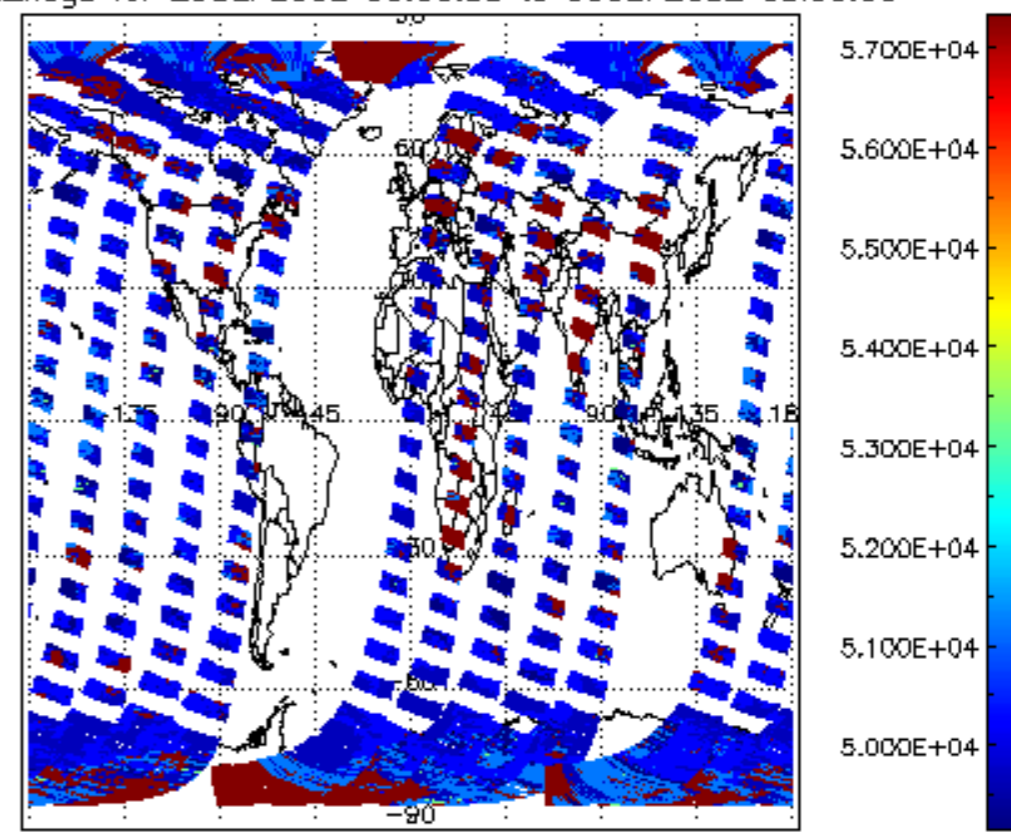
cl\_top\_height for 29SEP2002 00:00:00 to 30SEP2002 00:00:00

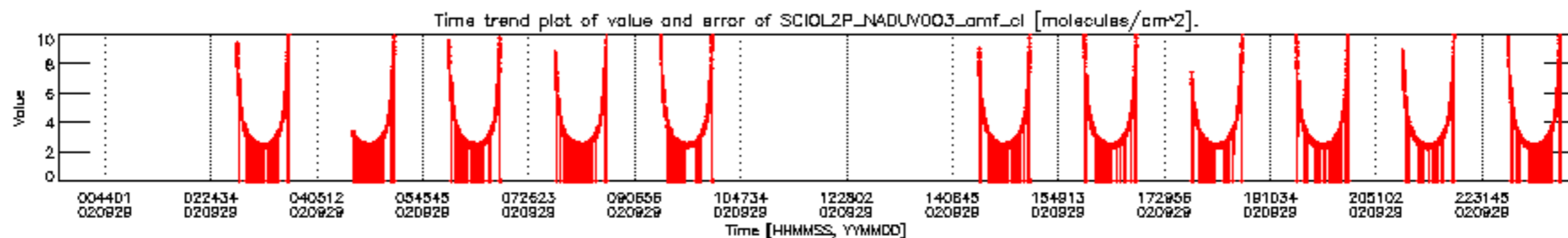
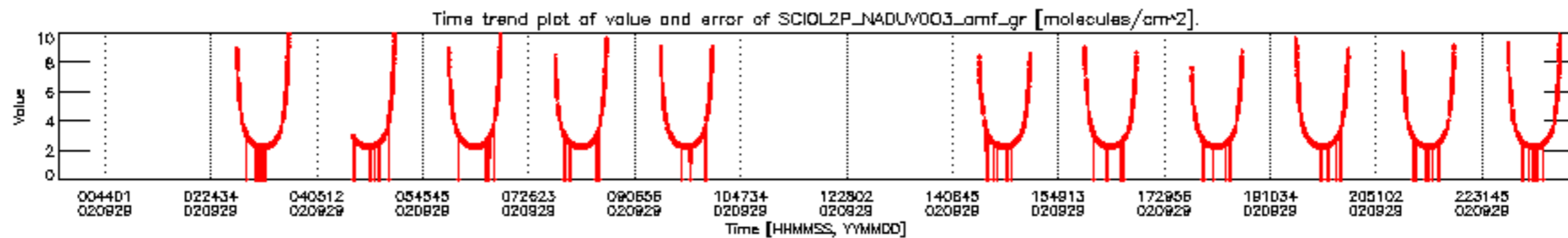
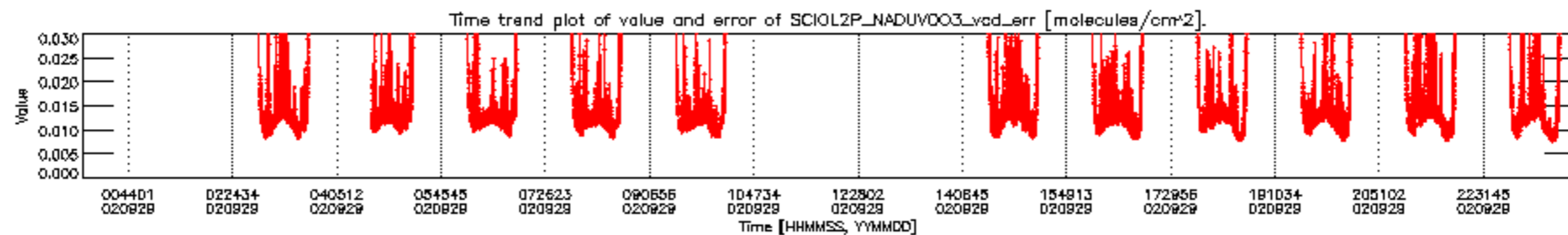
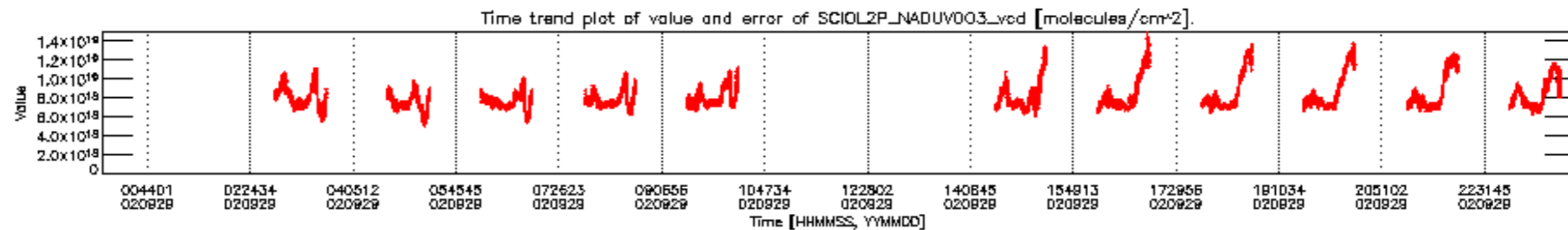


cl\_opt\_depth for 29SEP2002 00:00:00 to 30SEP2002 00:00:00



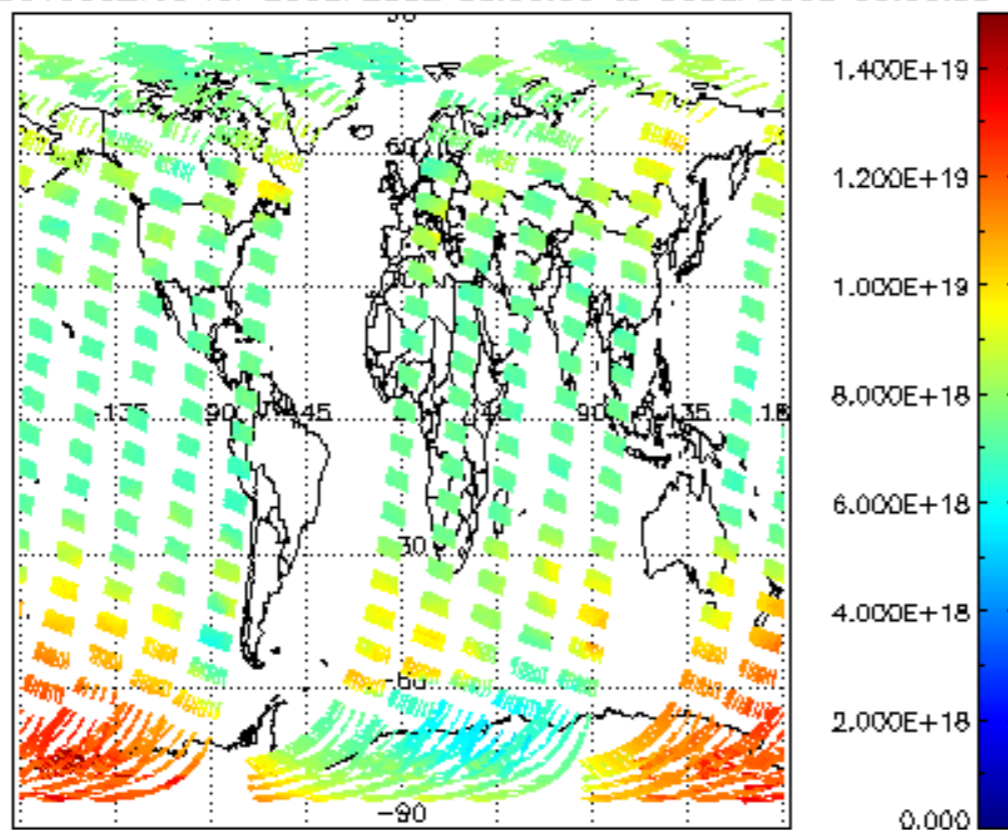
cloud\_flags for 29SEP2002 00:00:00 to 30SEP2002 00:00:00



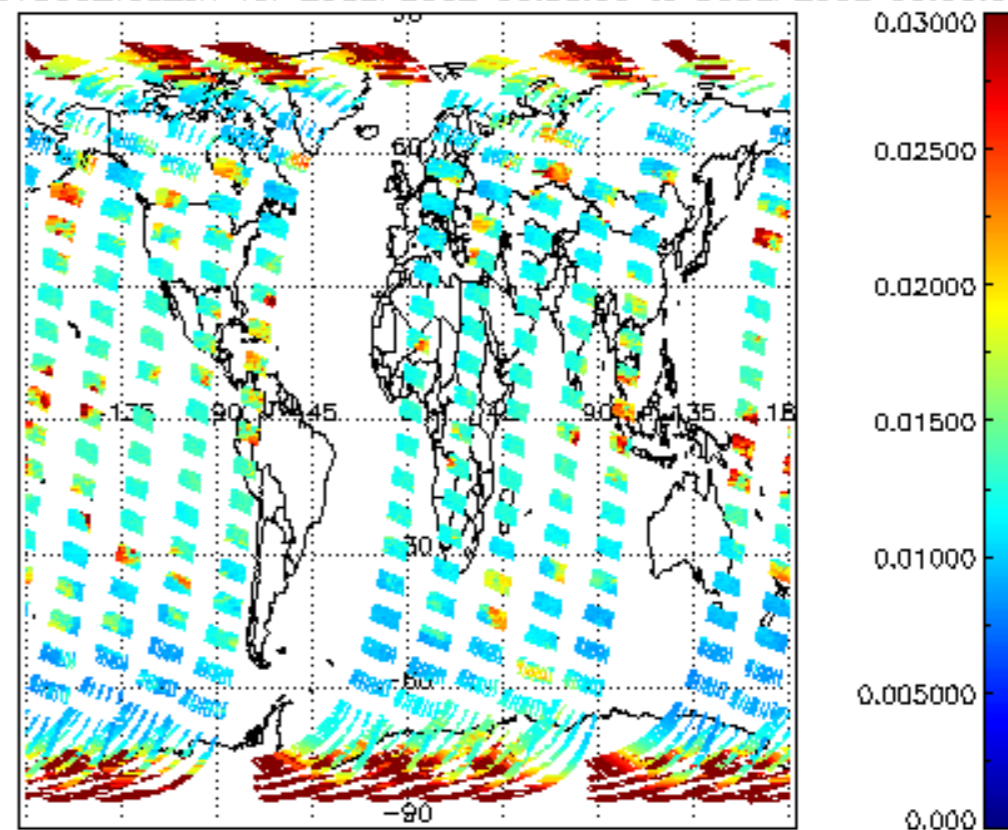




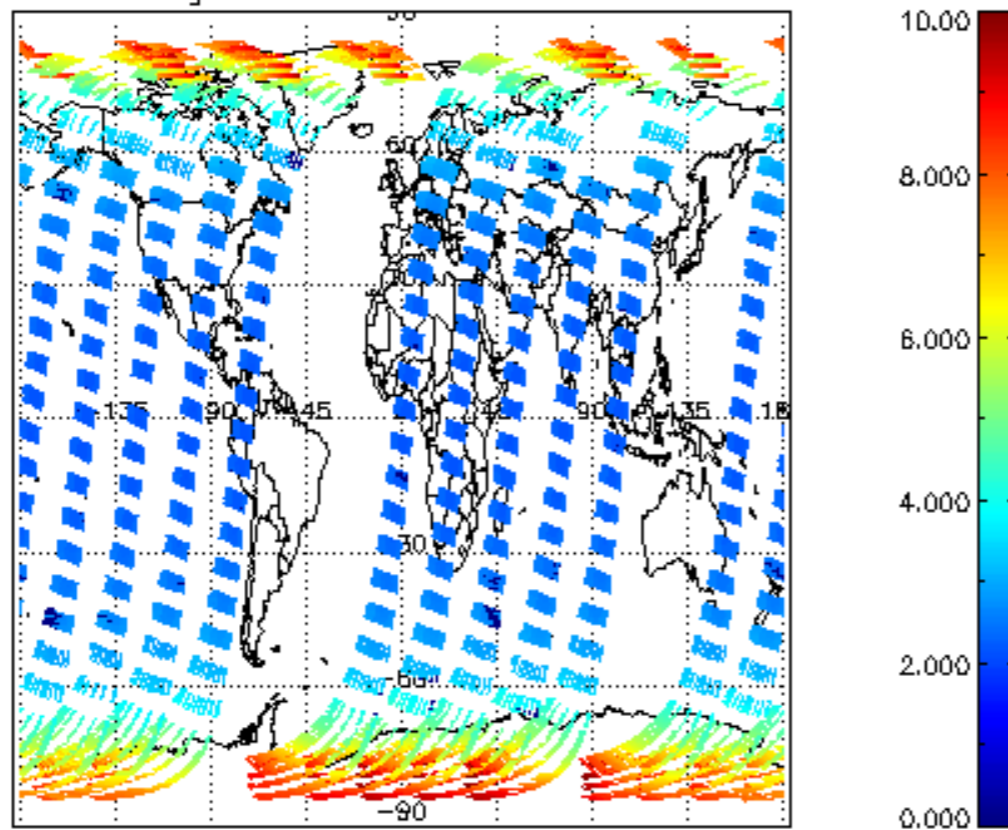
SCIOL2P\_NADUV003\_vcd for 29SEP2002 00:00:00 to 30SEP2002 00:00:00



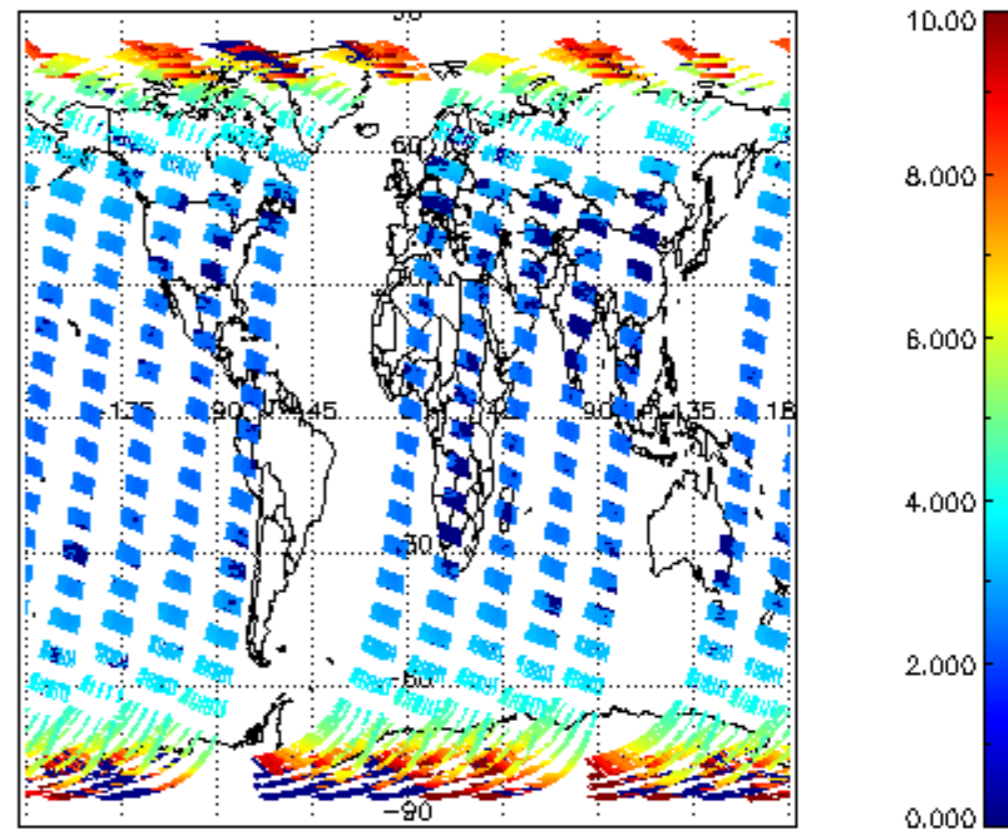
SCIOL2P\_NADUV003\_vcd\_err for 29SEP2002 00:00:00 to 30SEP2002 00:00:00

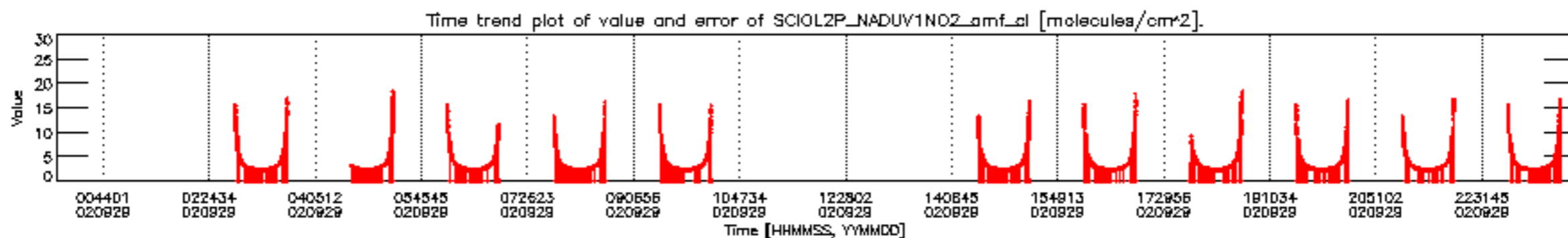
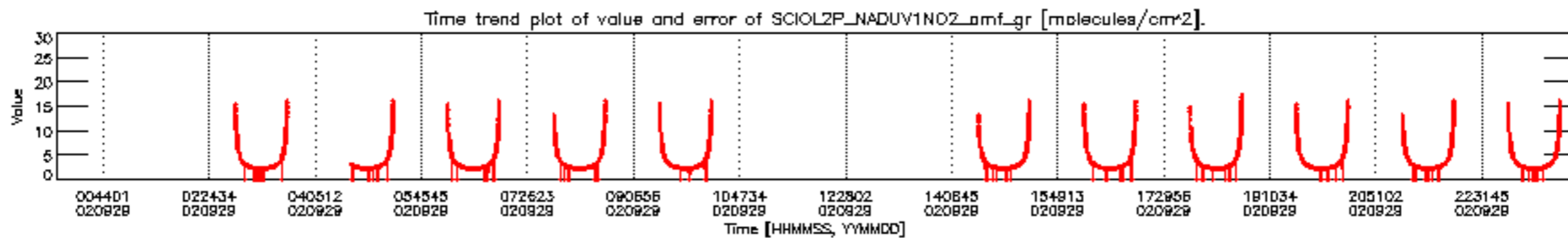
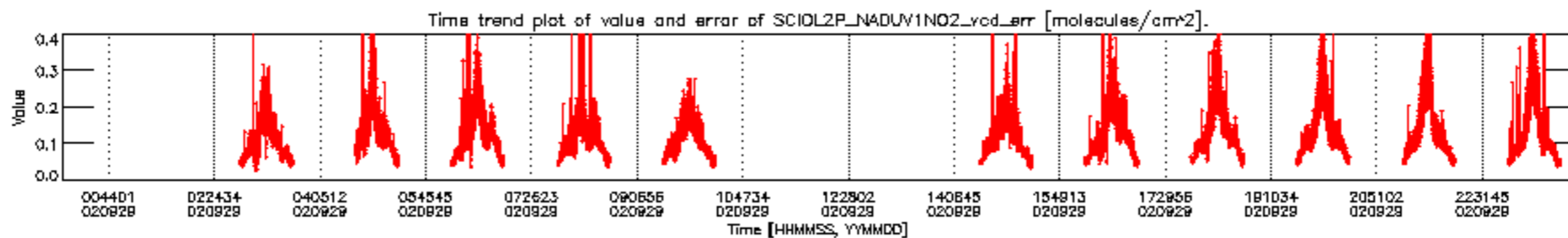
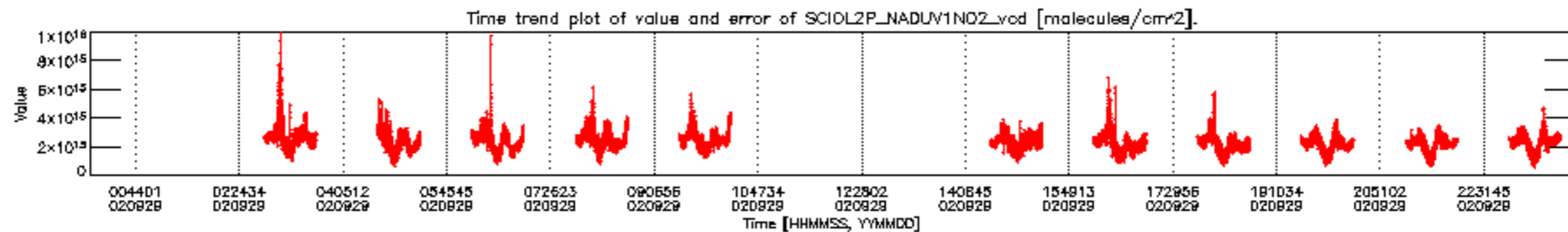


SCIOL2P\_NADUV003\_amf\_gr for 29SEP2002 00:00:00 to 30SEP2002 00:00:00



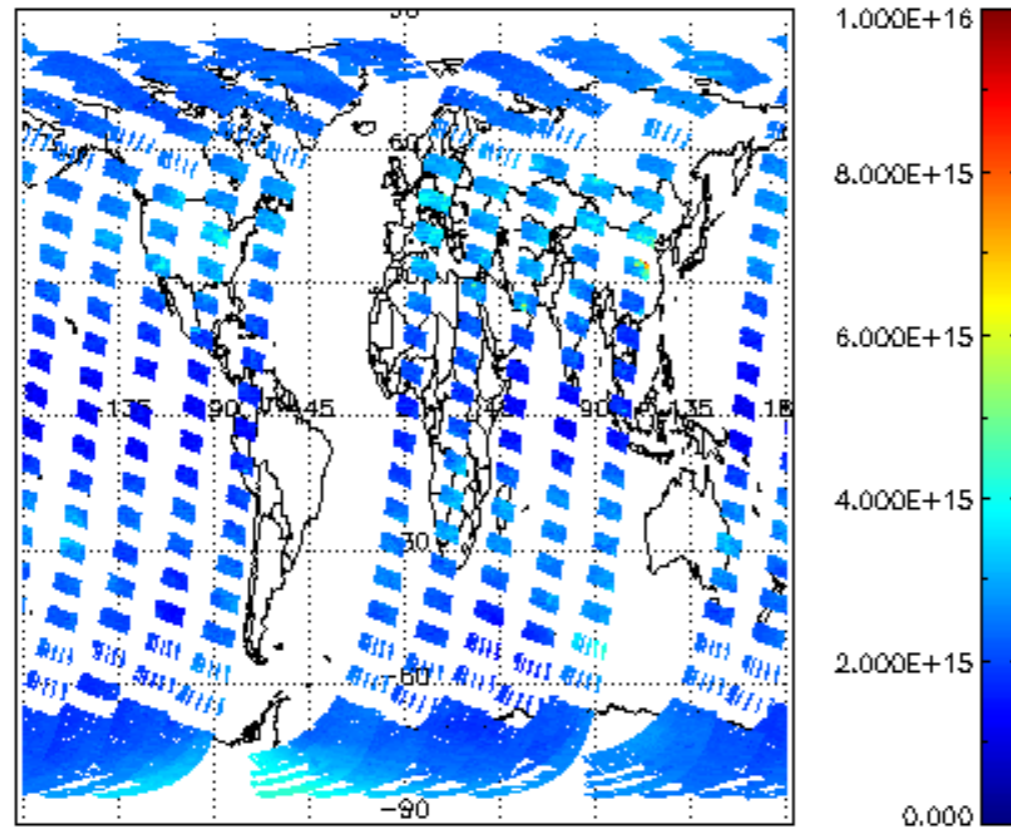
SCIOL2P\_NADUV003\_amf\_cl for 29SEP2002 00:00:00 to 30SEP2002 00:00:00



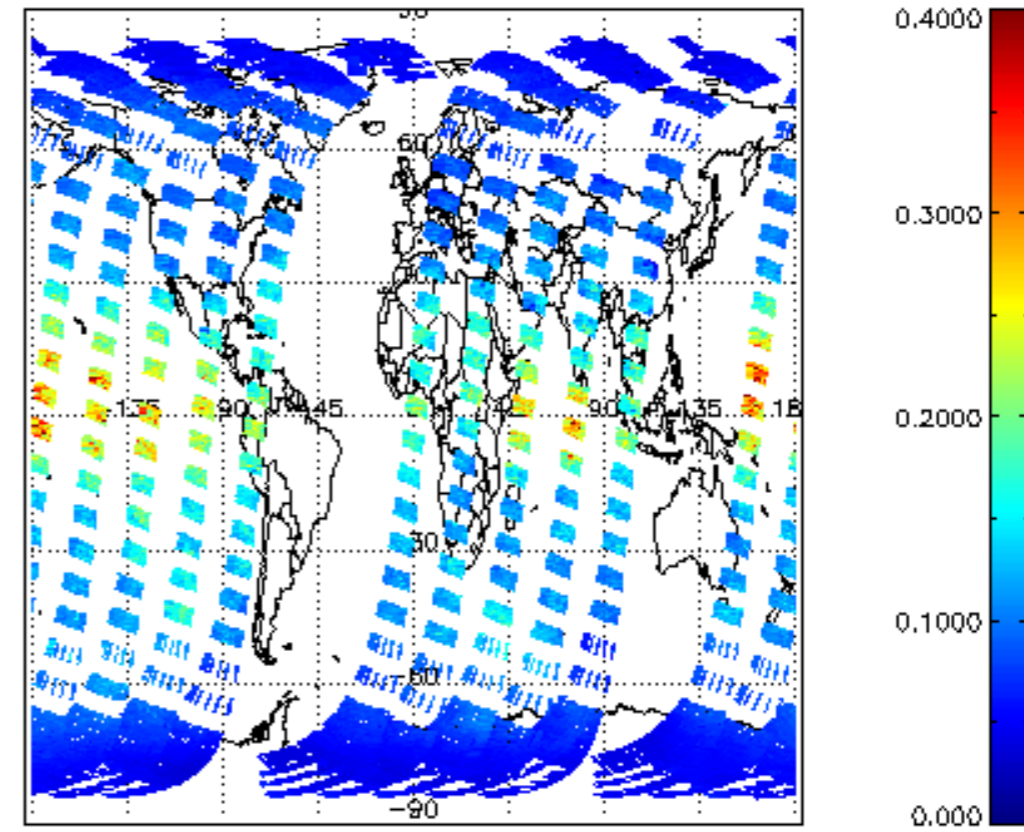




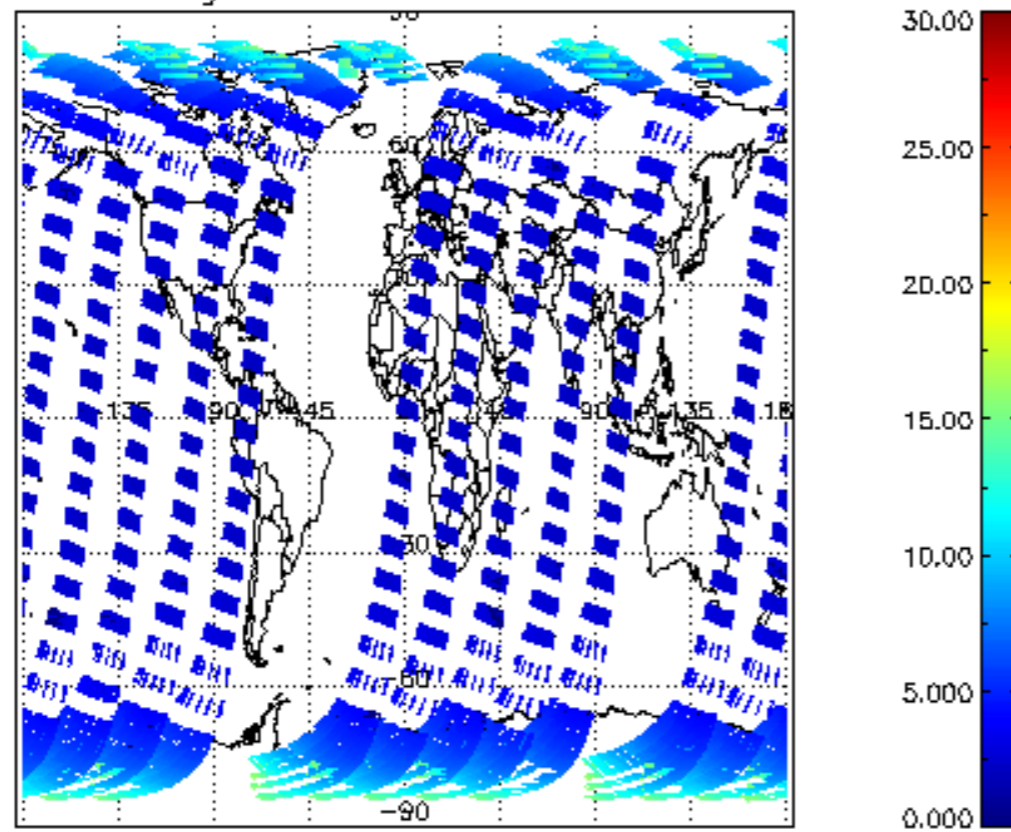
SCIOL2P\_NADUV1NO2\_vcd for 29SEP2002 00:00:00 to 30SEP2002 00:00:00



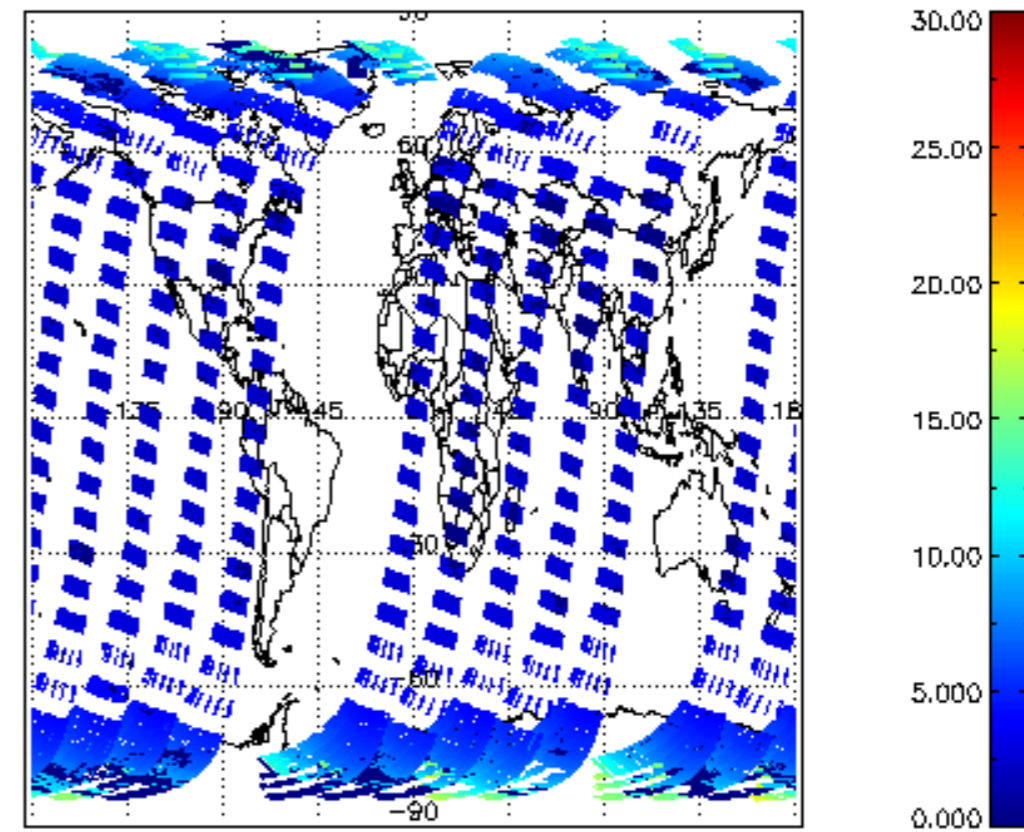
iCIOL2P\_NADUV1NO2\_vcd\_err for 29SEP2002 00:00:00 to 30SEP2002 00:00:00



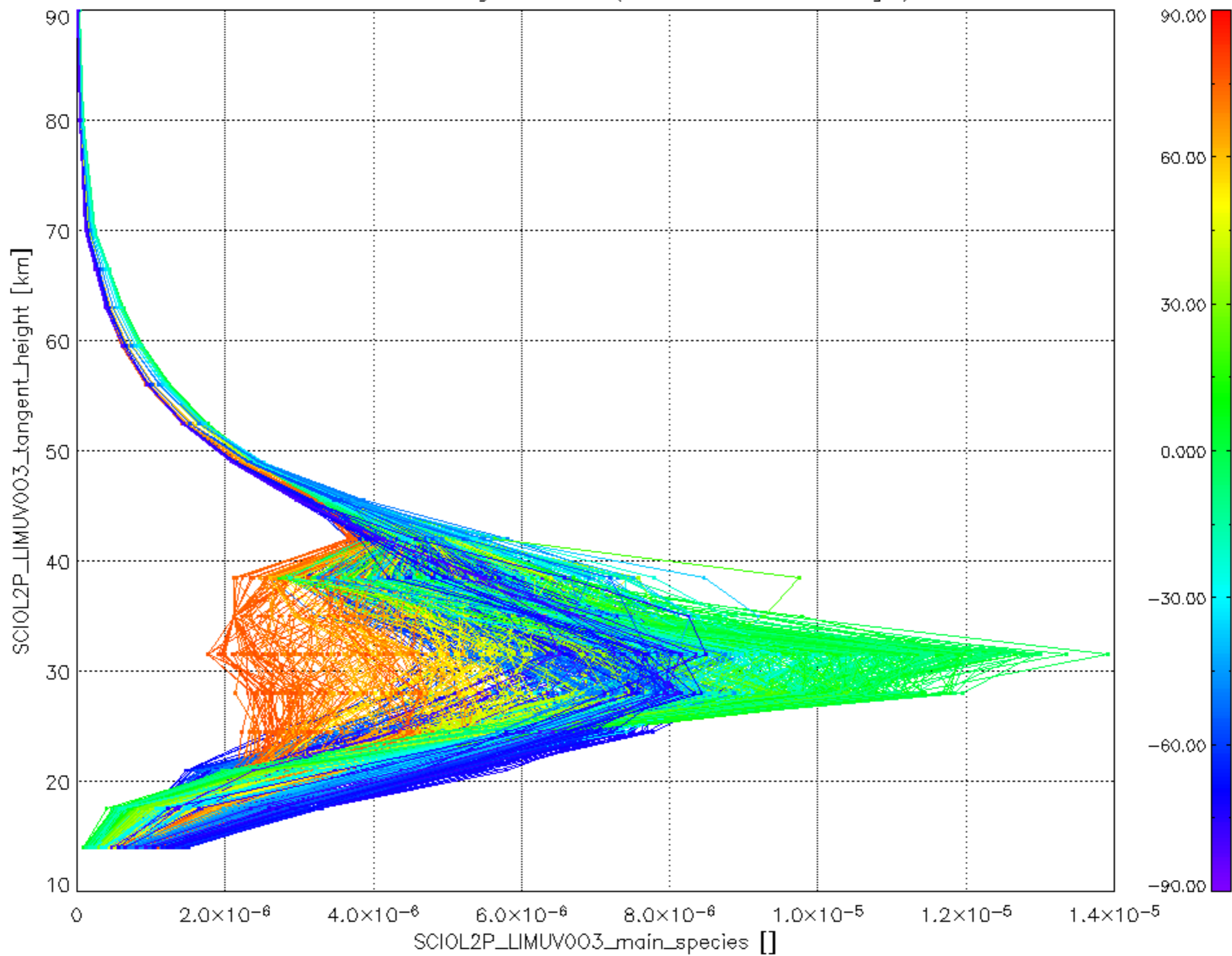
iCIOL2P\_NADUV1NO2\_amf\_gr for 29SEP2002 00:00:00 to 30SEP2002 00:00:00



iCIOL2P\_NADUV1NO2\_amf\_cl for 29SEP2002 00:00:00 to 30SEP2002 00:00:00

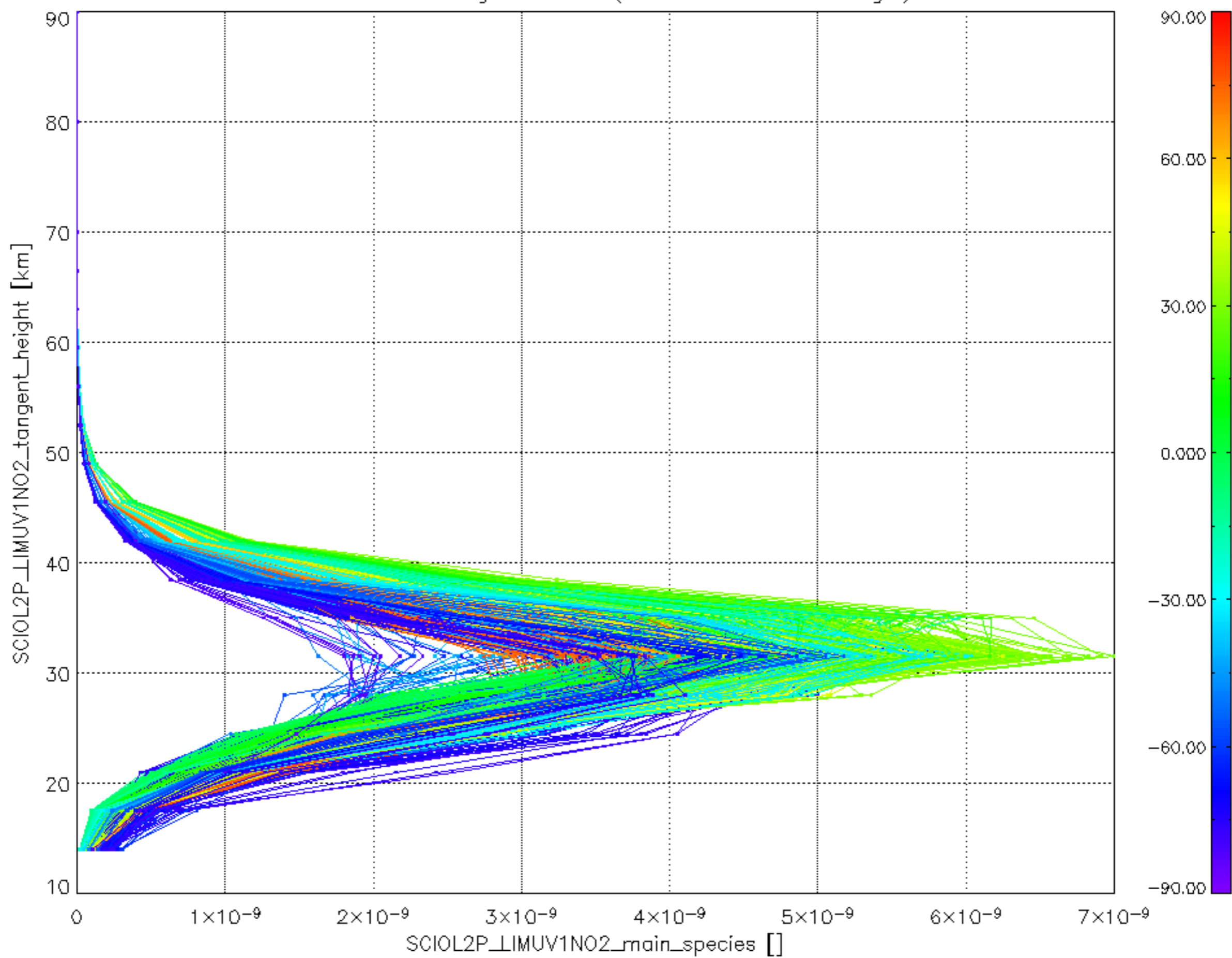


Plot of SCIOL2P\_LIMUV003\_main\_species.tang\_vmr vs. tangent height.  
 Colours indicate tangent latitude (see colour bar on the right).

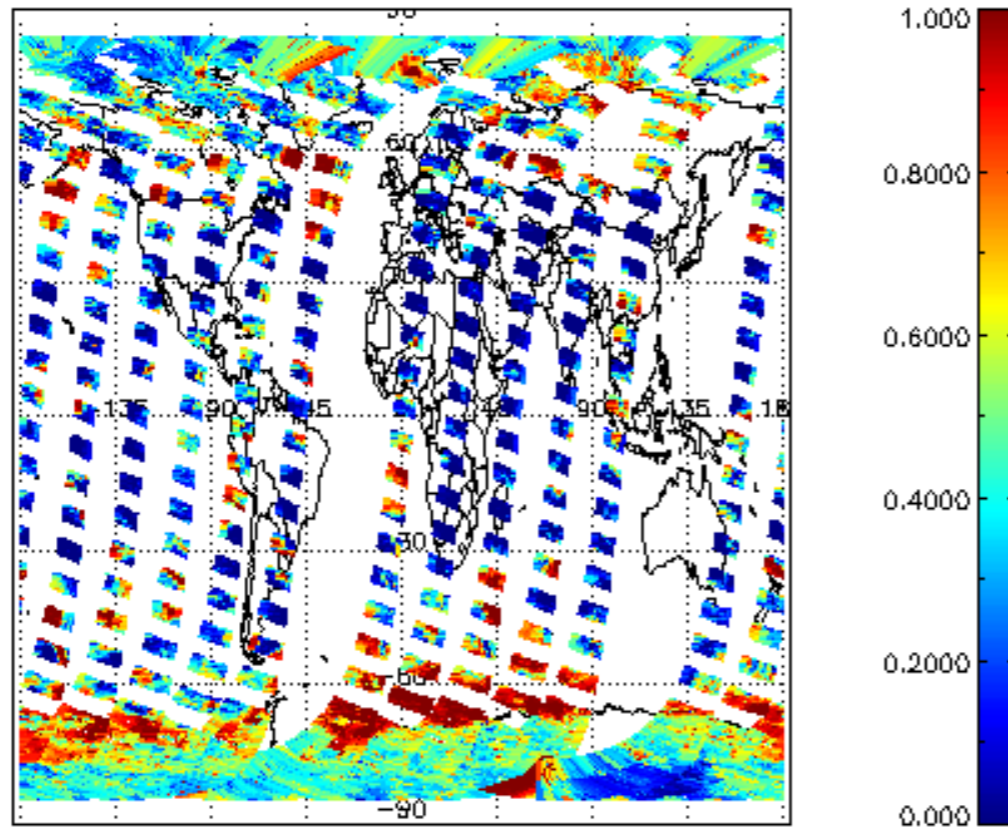




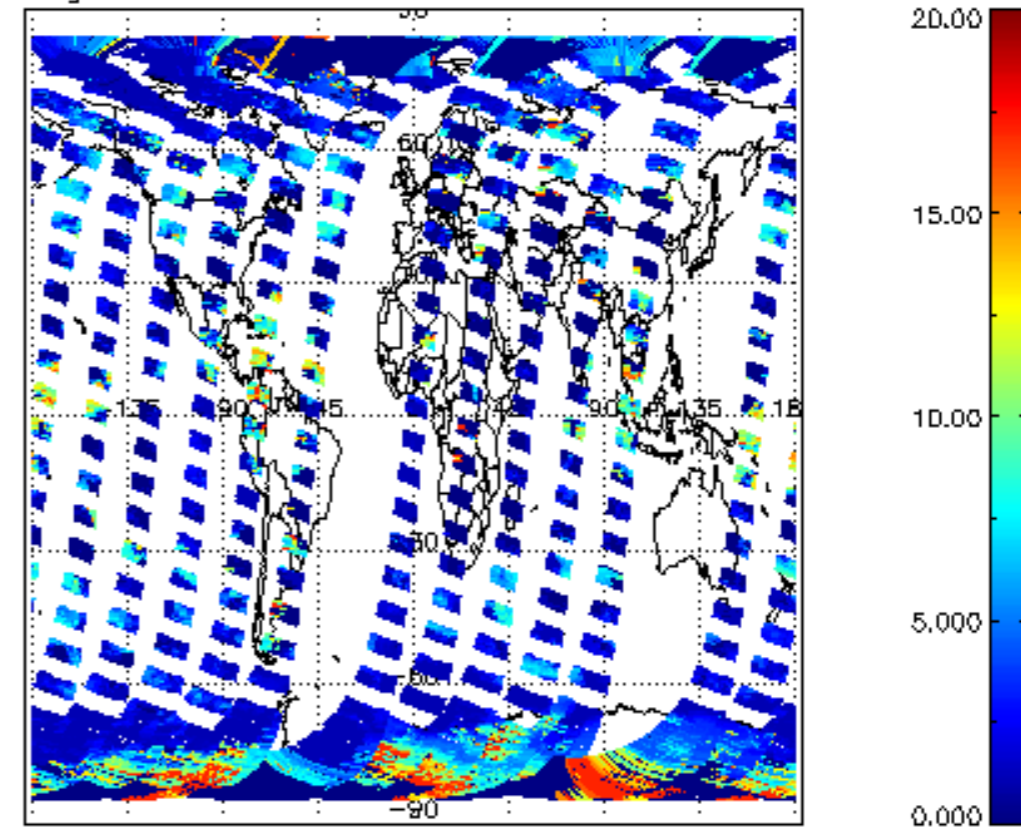
Plot of SCIOL2P\_LIMUV1N02\_main\_species.tang\_vmr vs. tangent height.  
 Colours indicate tangent latitude (see colour bar on the right).



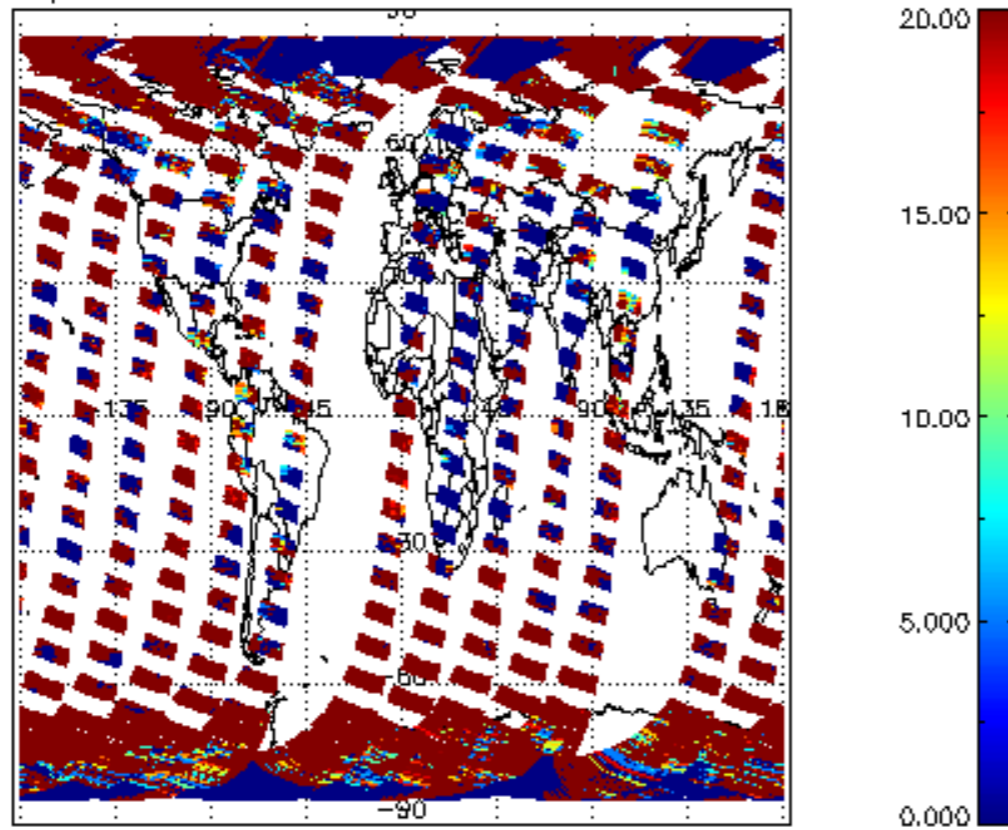
cl\_frac for 29SEP2002 00:00:00 to 30SEP2002 00:00:00



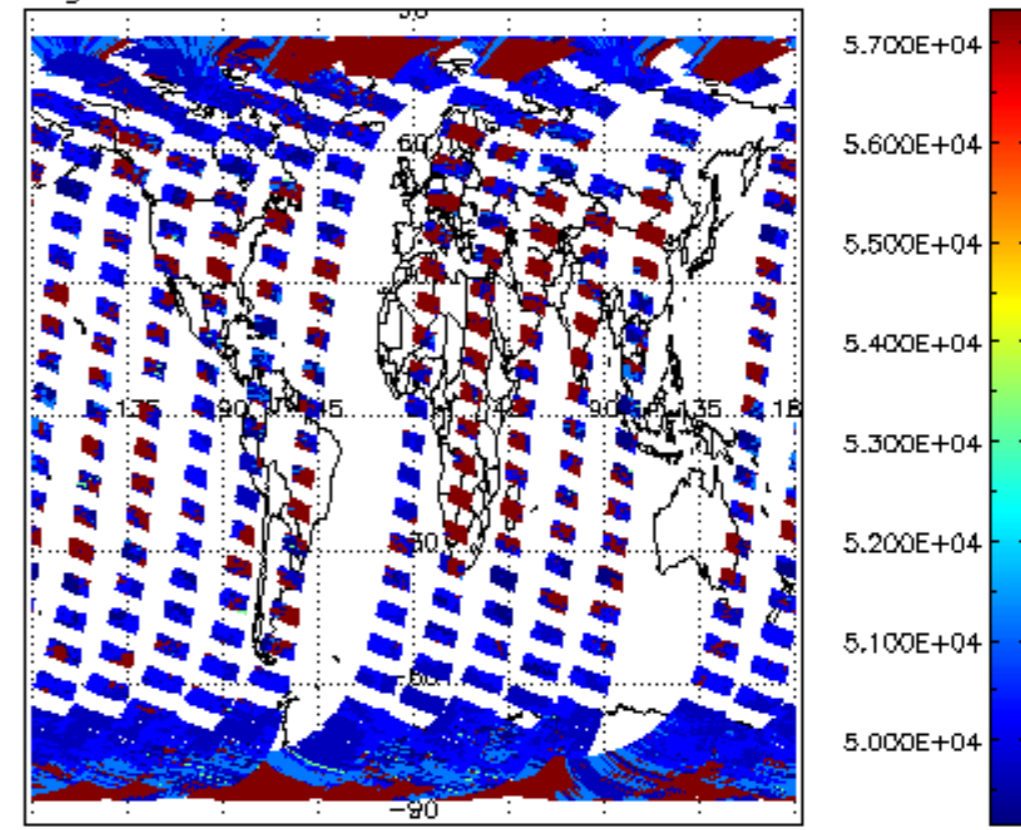
cl\_top\_height for 29SEP2002 00:00:00 to 30SEP2002 00:00:00



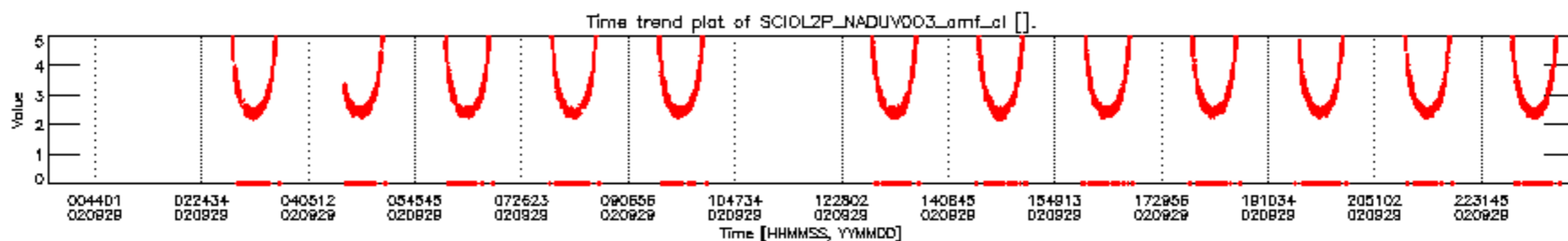
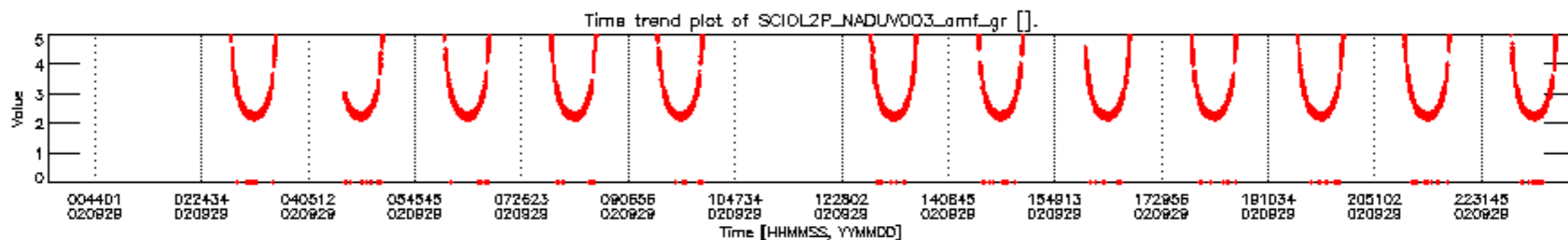
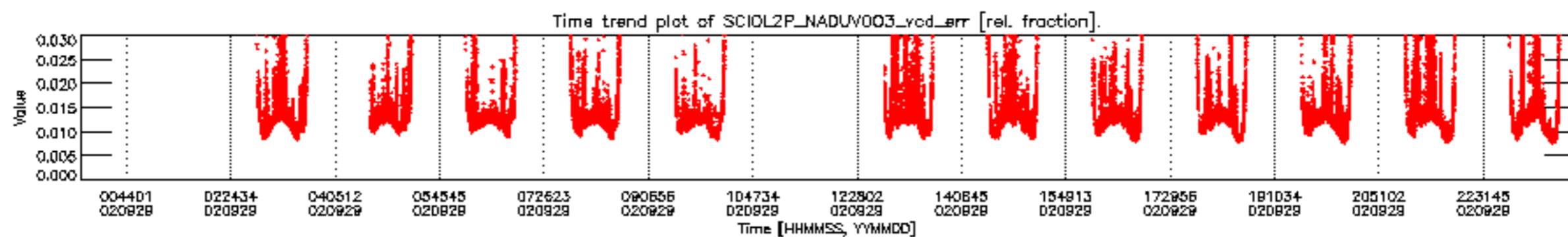
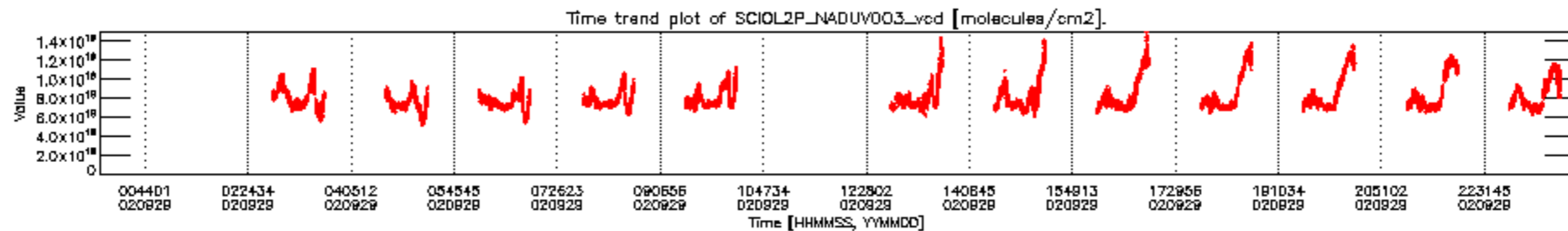
cl\_opt\_depth for 29SEP2002 00:00:00 to 30SEP2002 00:00:00



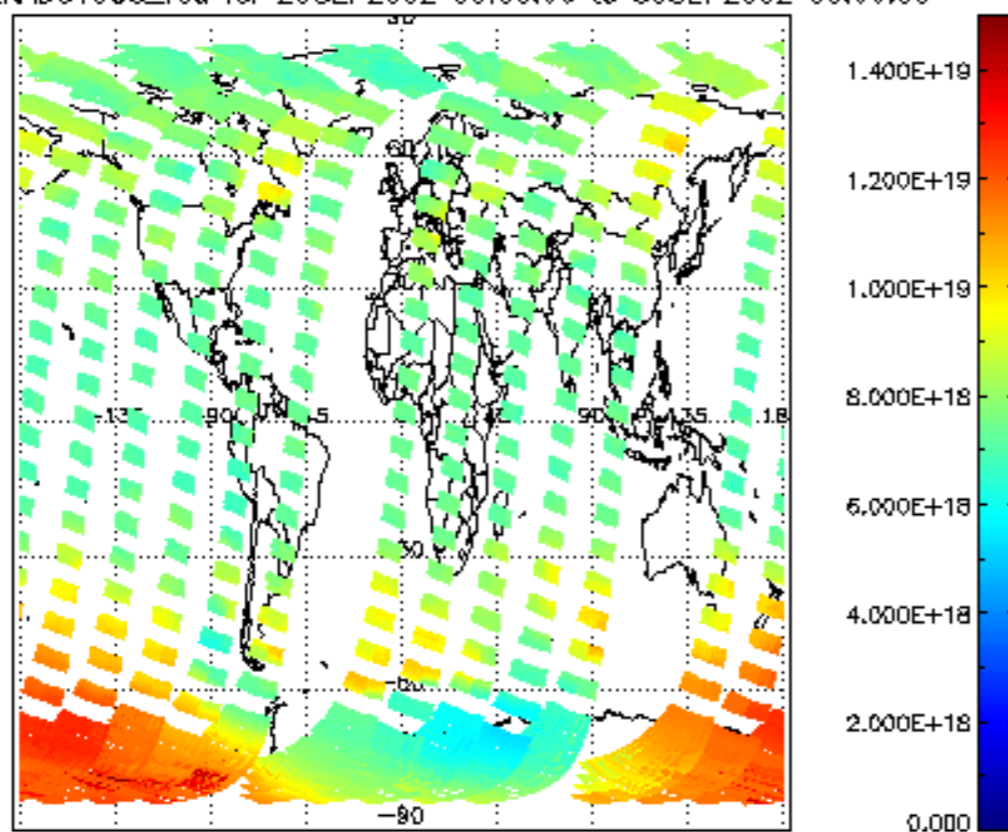
cloud\_flags for 29SEP2002 00:00:00 to 30SEP2002 00:00:00



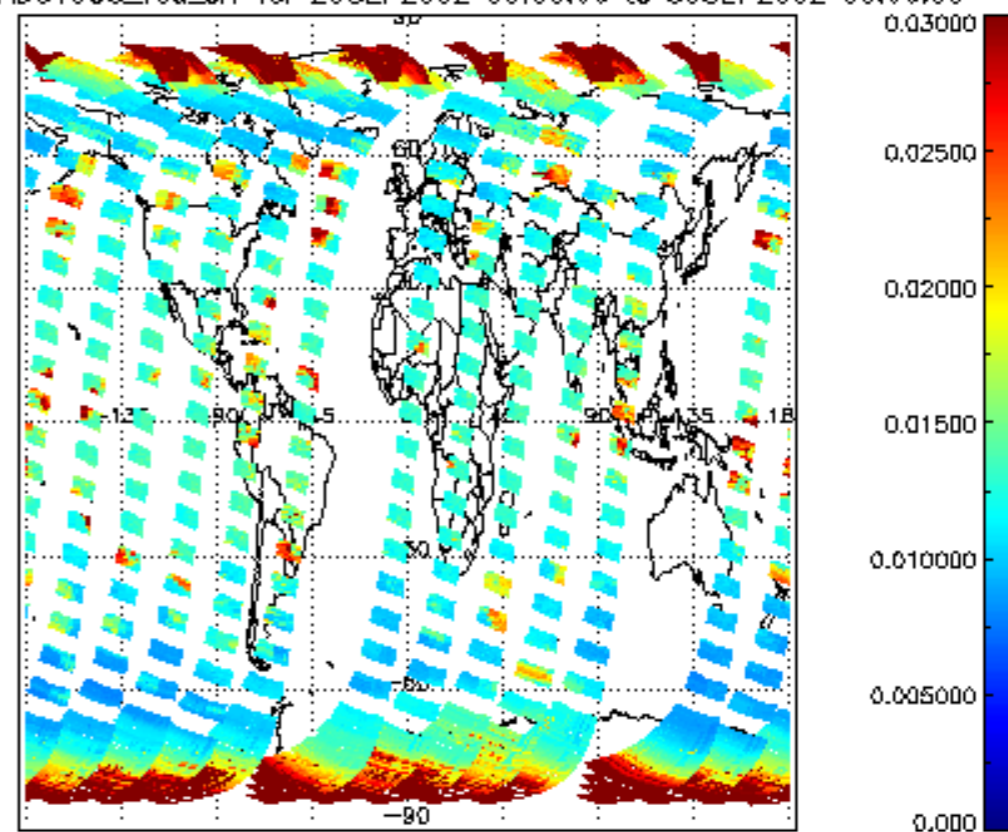




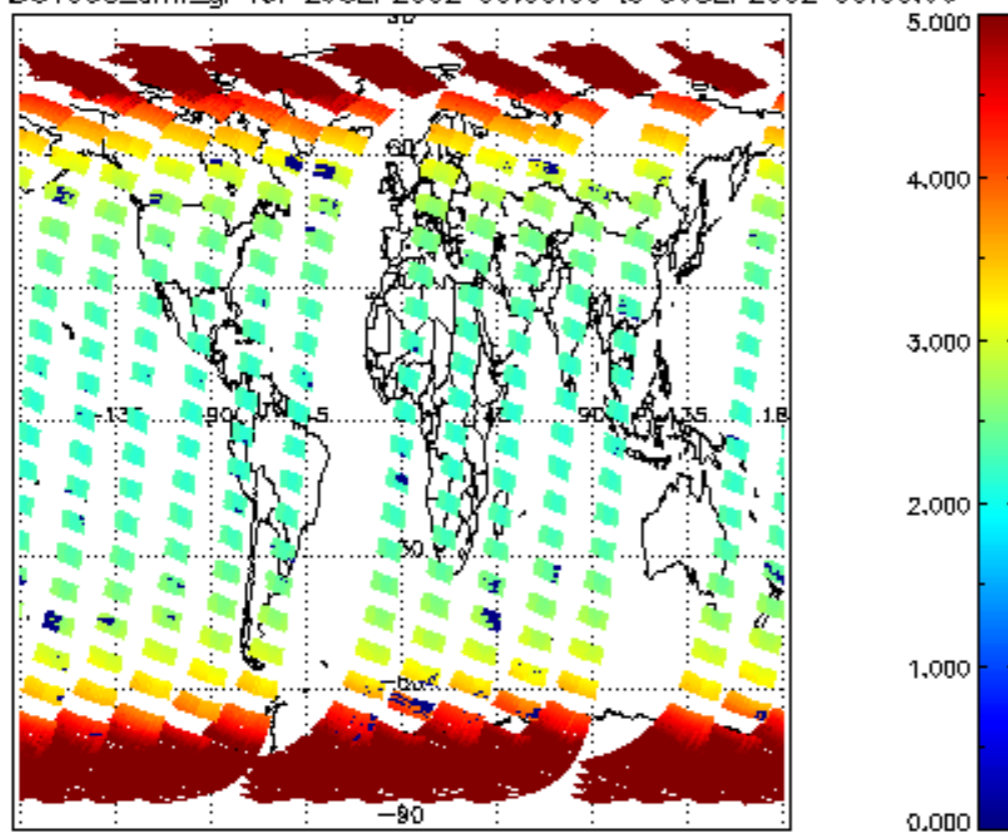
SCIOL2P\_NADUV003\_vcd for 29SEP2002 00:00:00 to 30SEP2002 00:00:00



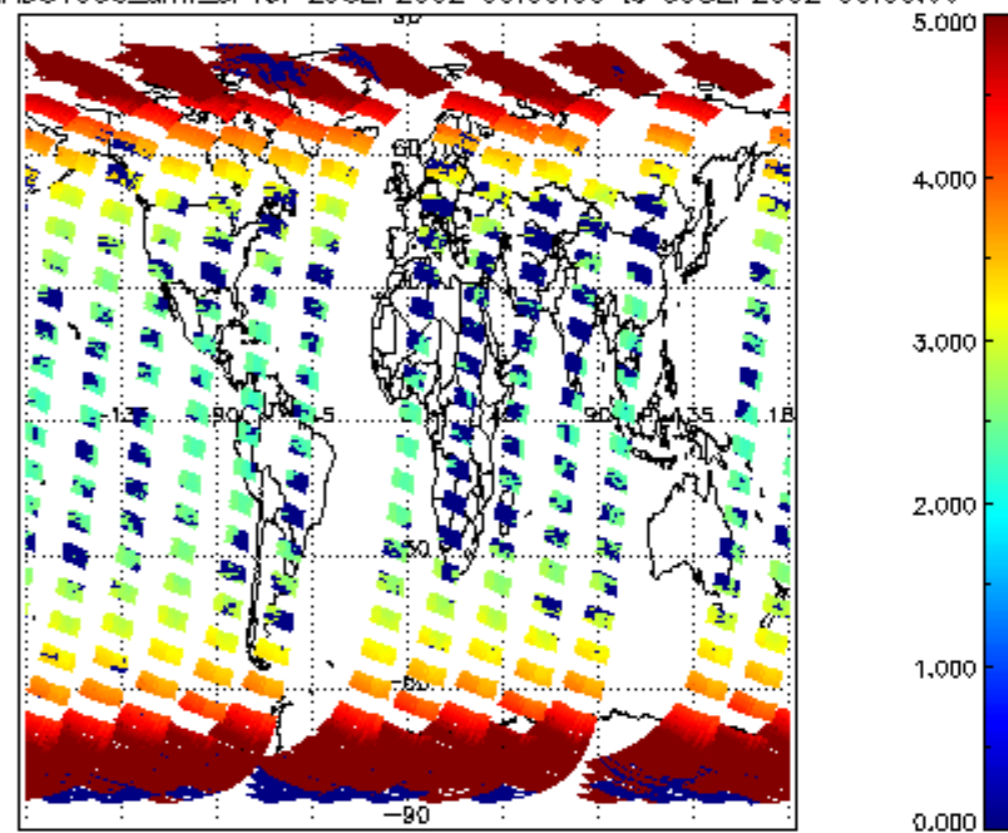
SCIOL2P\_NADUV003\_vcd\_err for 29SEP2002 00:00:00 to 30SEP2002 00:00:00



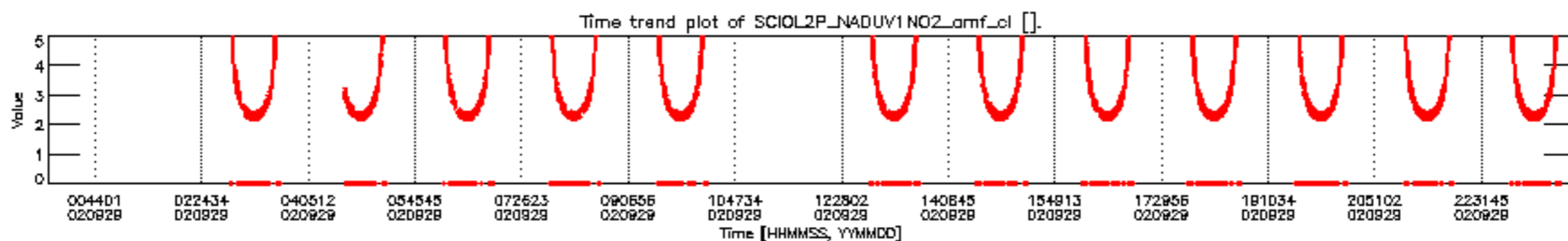
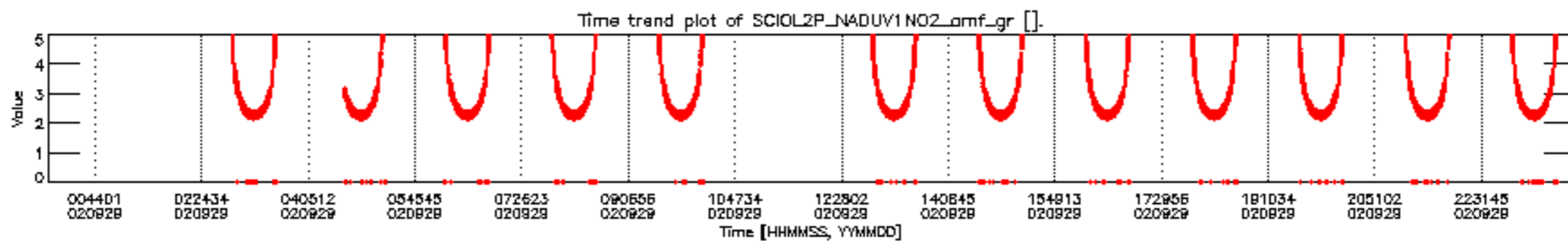
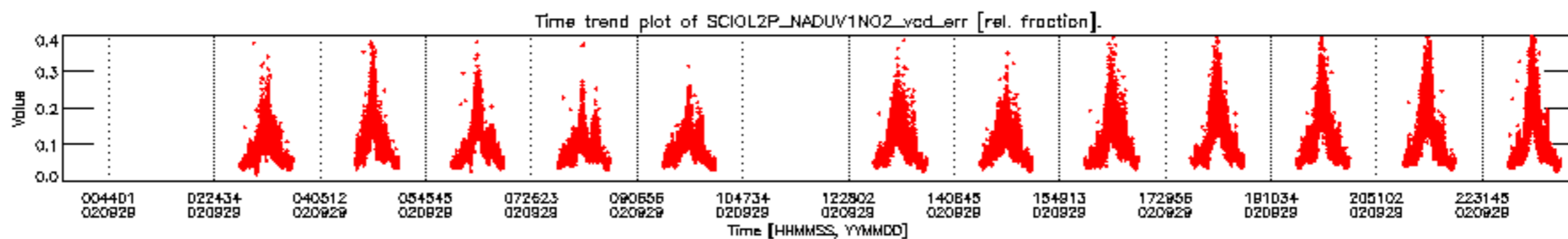
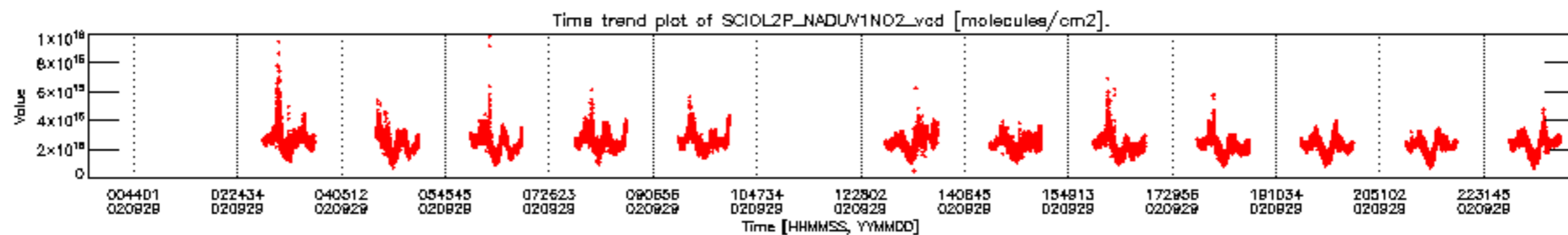
SCIOL2P\_NADUV003\_amf\_gr for 29SEP2002 00:00:00 to 30SEP2002 00:00:00



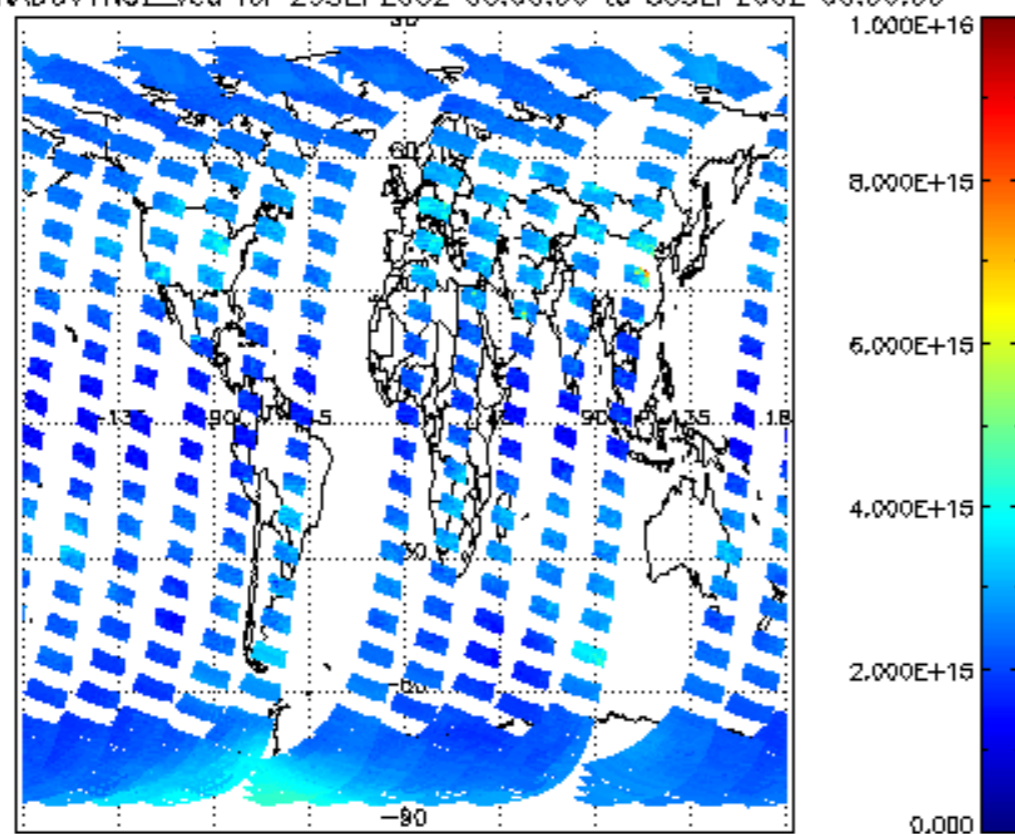
SCIOL2P\_NADUV003\_amf\_cl for 29SEP2002 00:00:00 to 30SEP2002 00:00:00



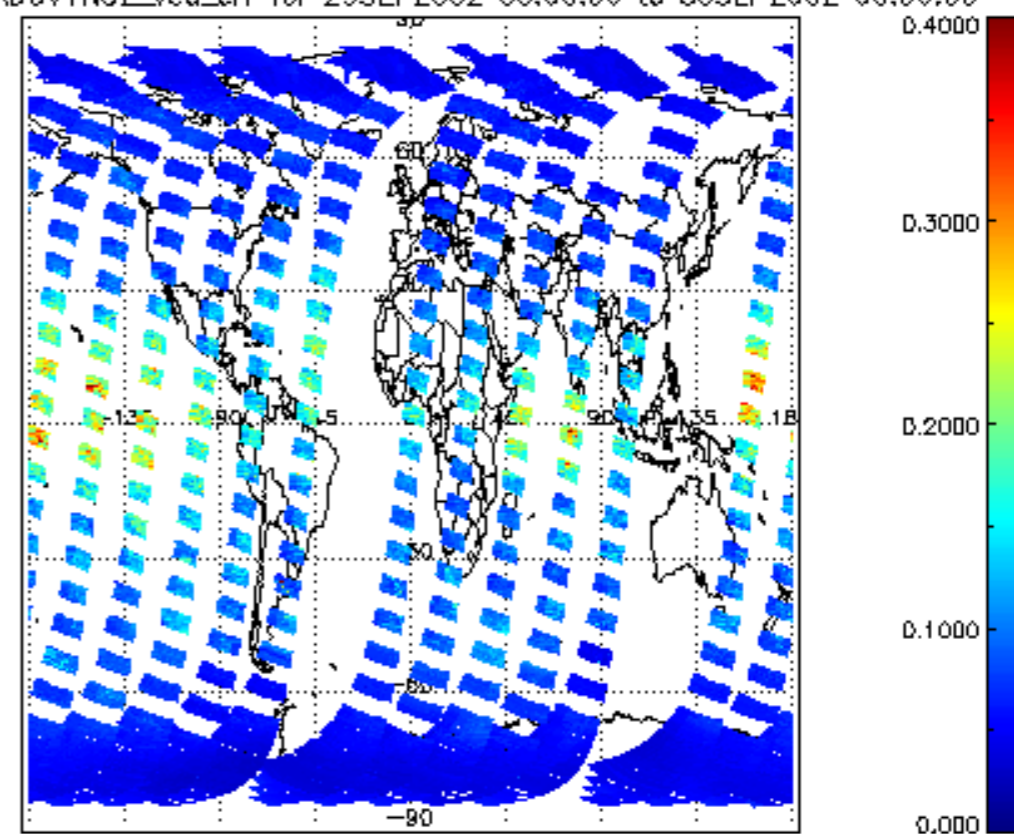




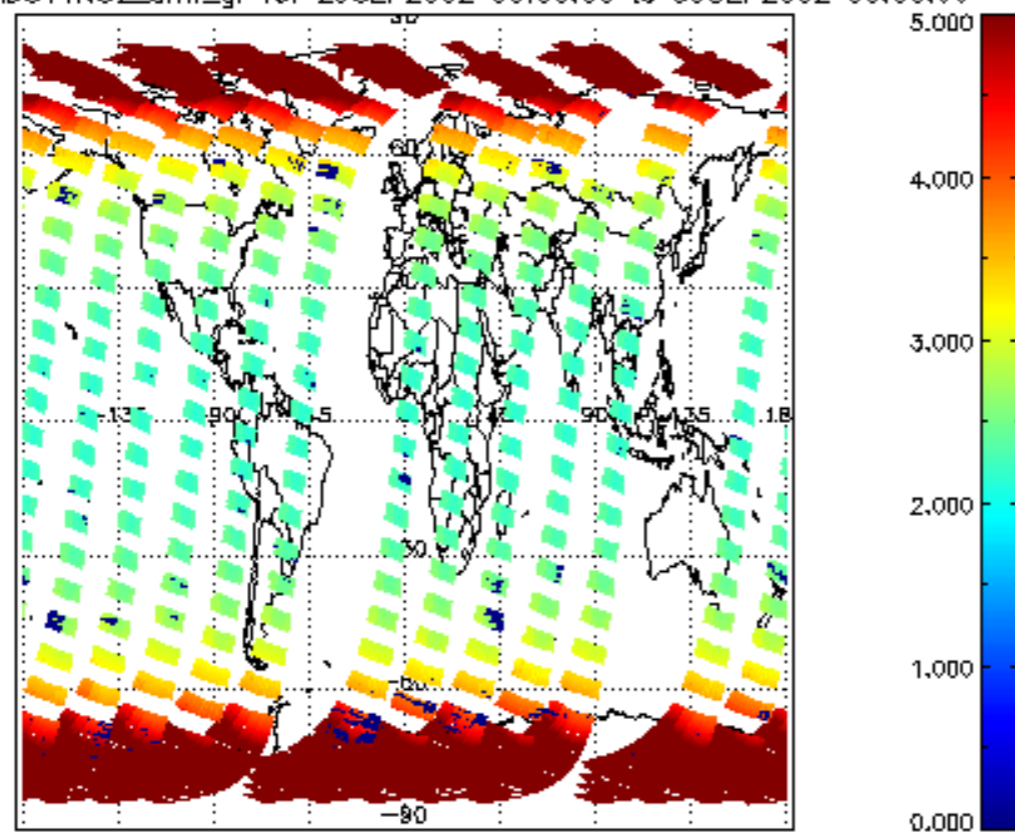
SCIOL2P\_NADUV1NO2\_vcd for 29SEP2002 00:00:00 to 30SEP2002 00:00:00



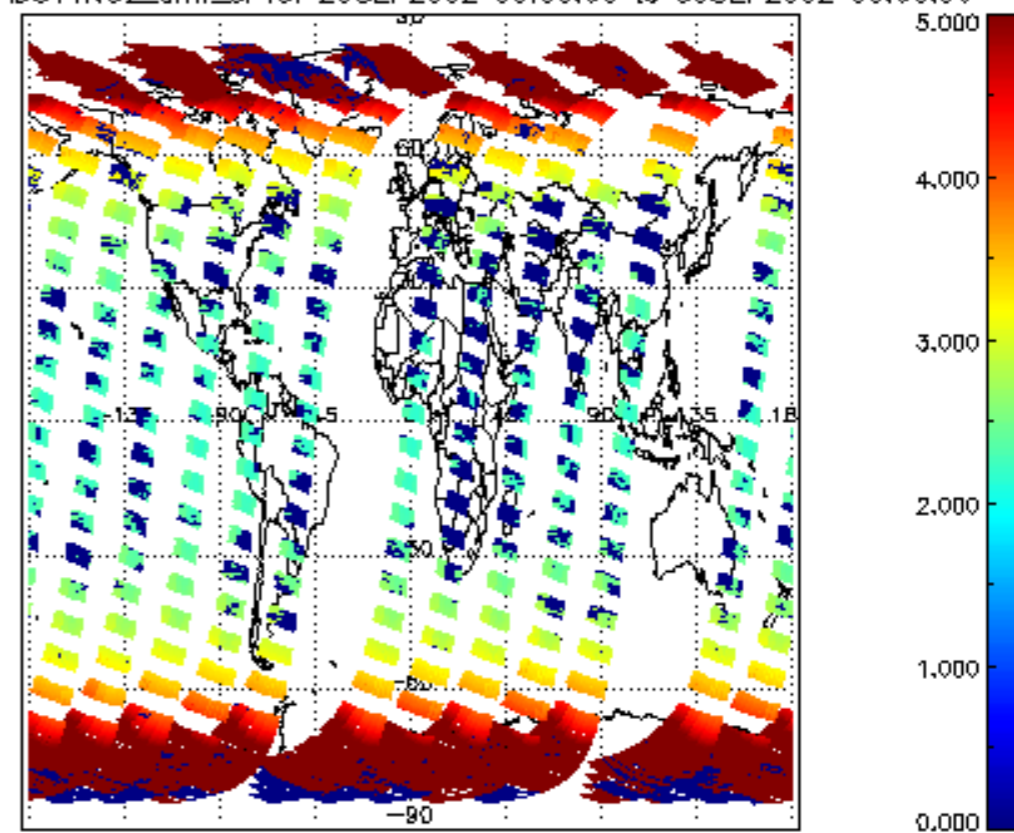
SCIOL2P\_NADUV1NO2\_vcd\_err for 29SEP2002 00:00:00 to 30SEP2002 00:00:00



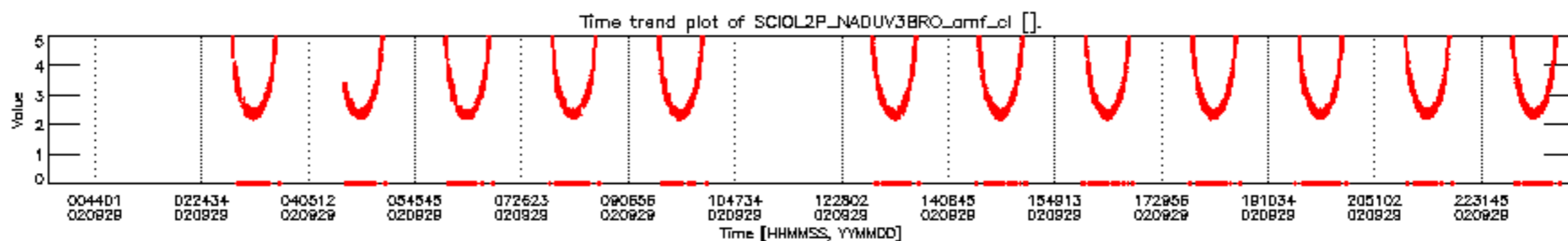
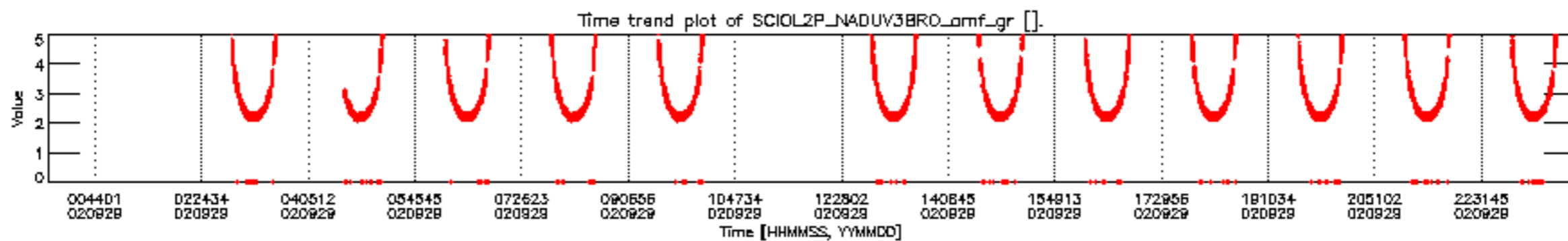
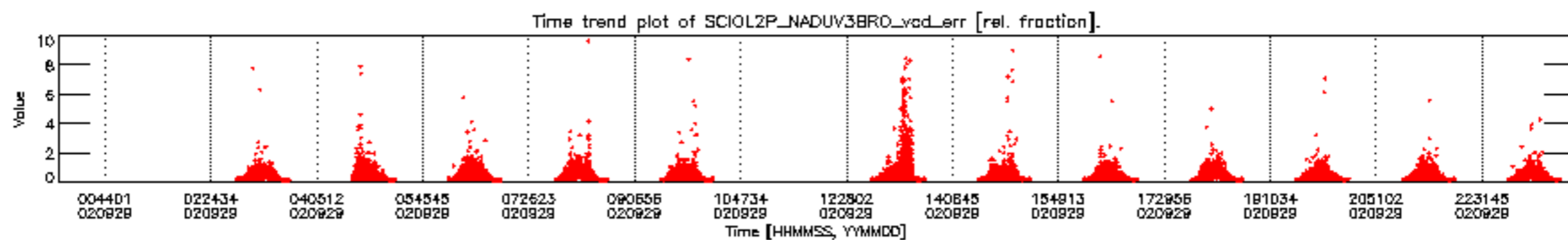
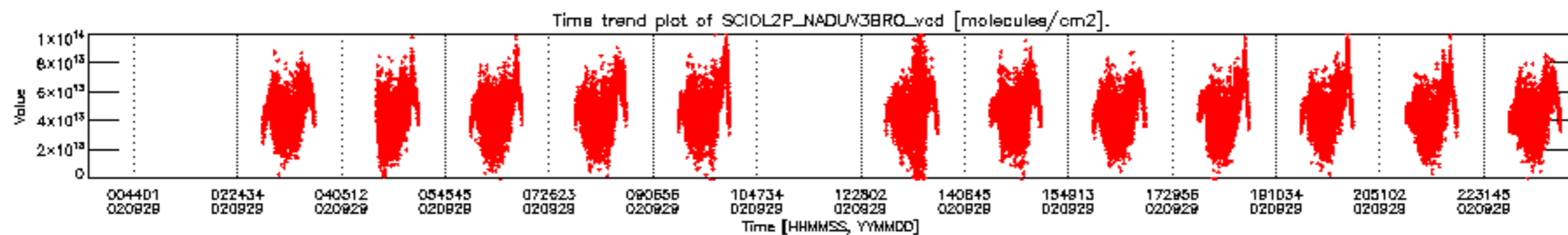
SCIOL2P\_NADUV1NO2\_amf\_gr for 29SEP2002 00:00:00 to 30SEP2002 00:00:00



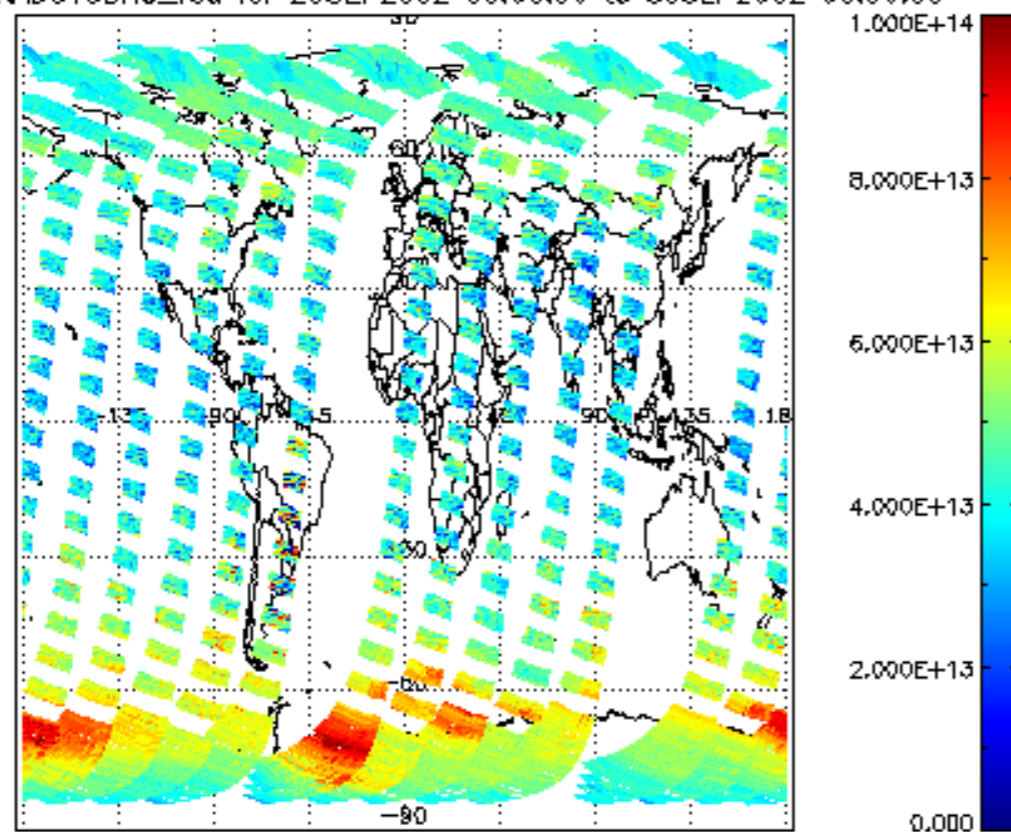
SCIOL2P\_NADUV1NO2\_amf\_sl for 29SEP2002 00:00:00 to 30SEP2002 00:00:00



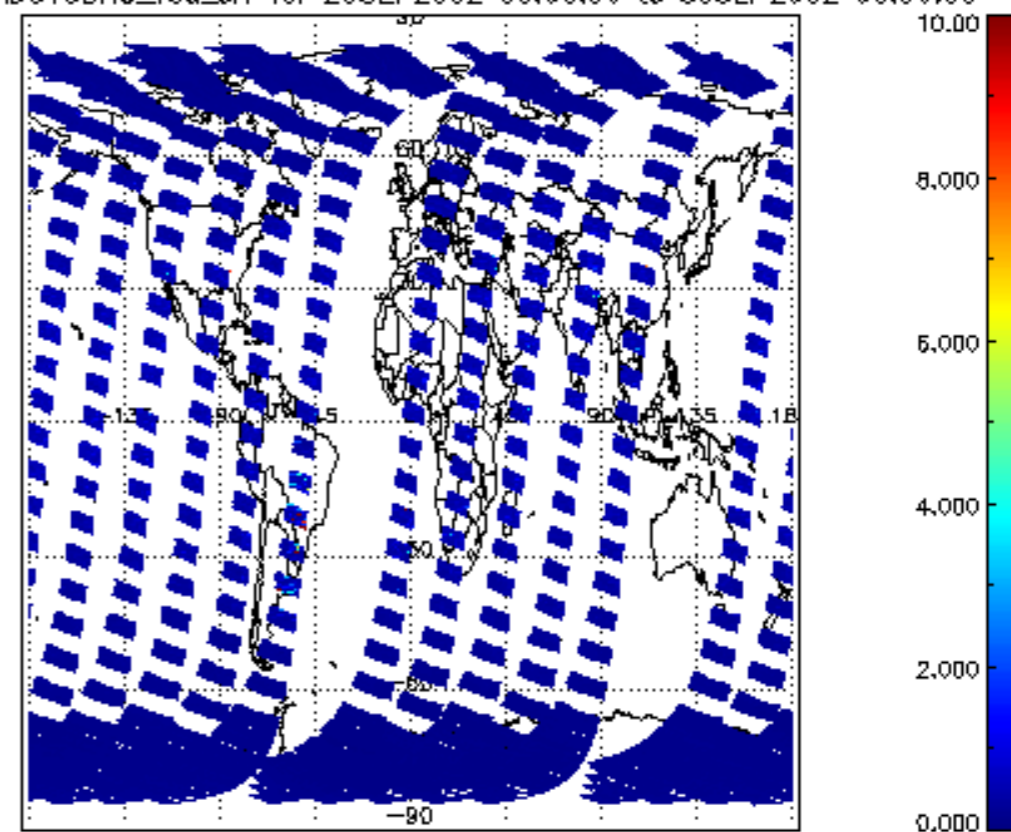




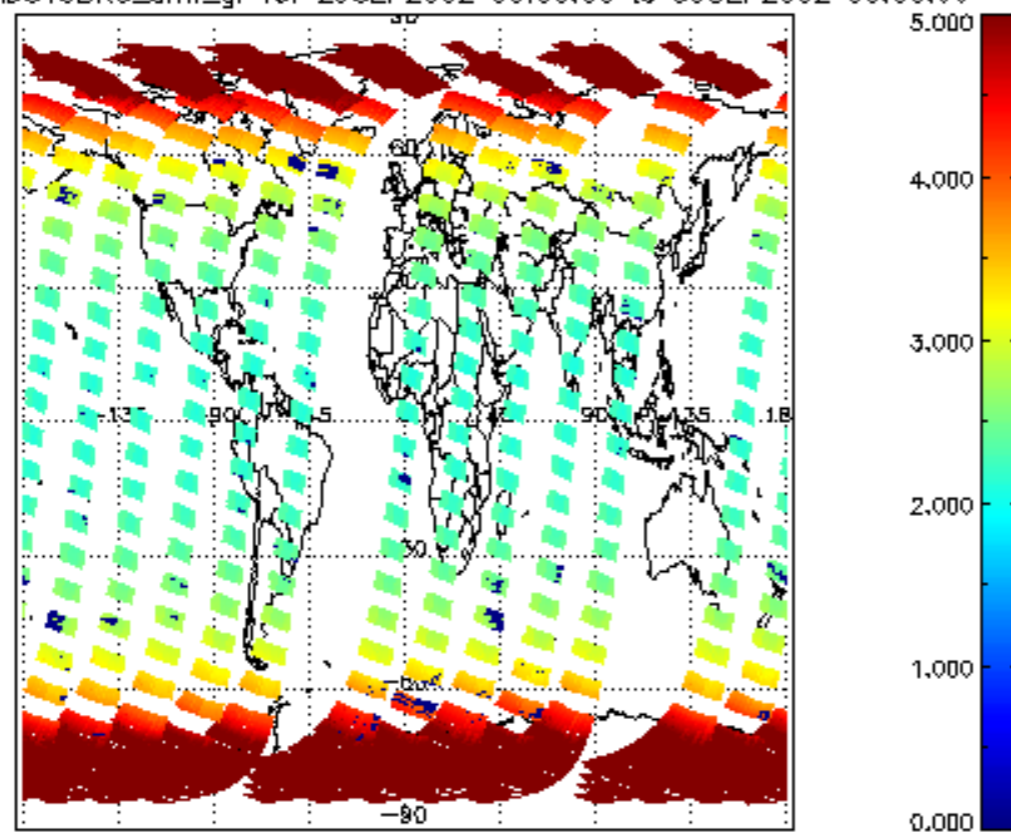
SCIOL2P\_NADUV3BRO\_vcd for 29SEP2002 00:00:00 to 30SEP2002 00:00:00



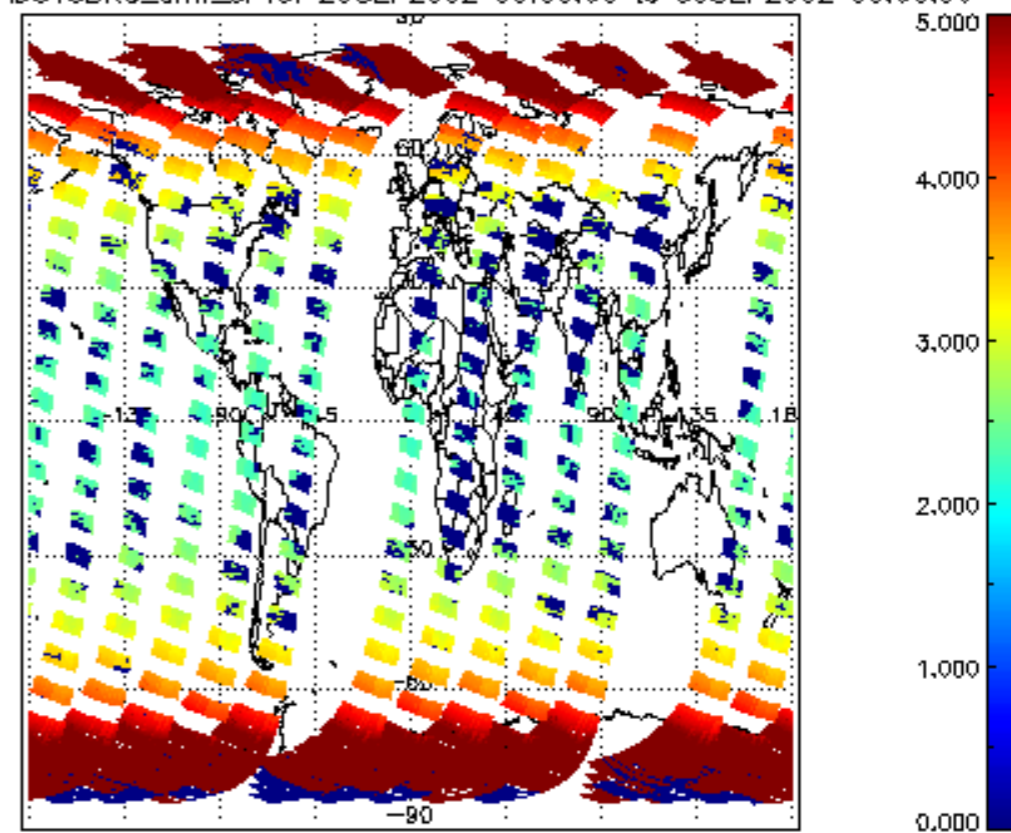
SCIOL2P\_NADUV3BRO\_vcd\_err for 29SEP2002 00:00:00 to 30SEP2002 00:00:00



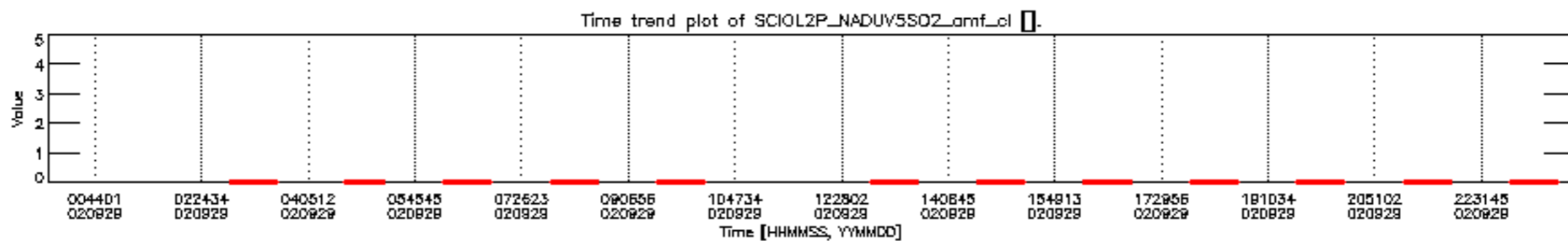
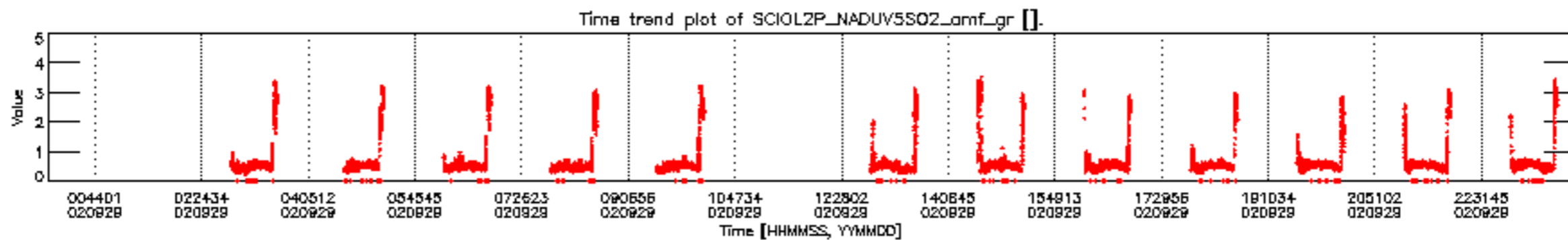
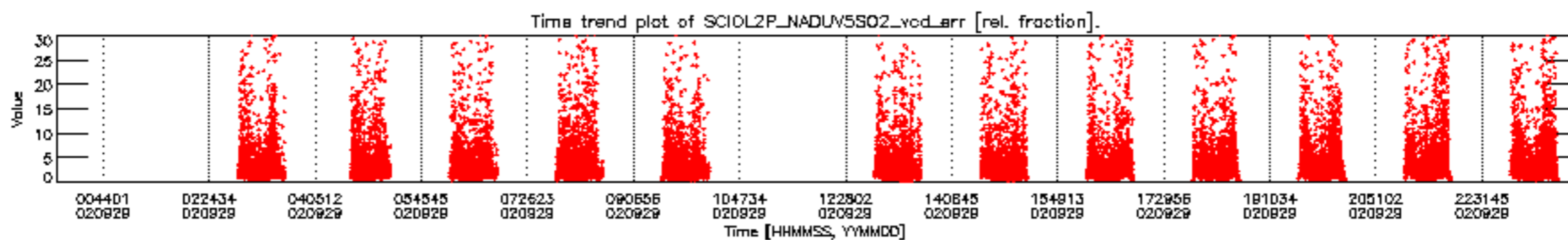
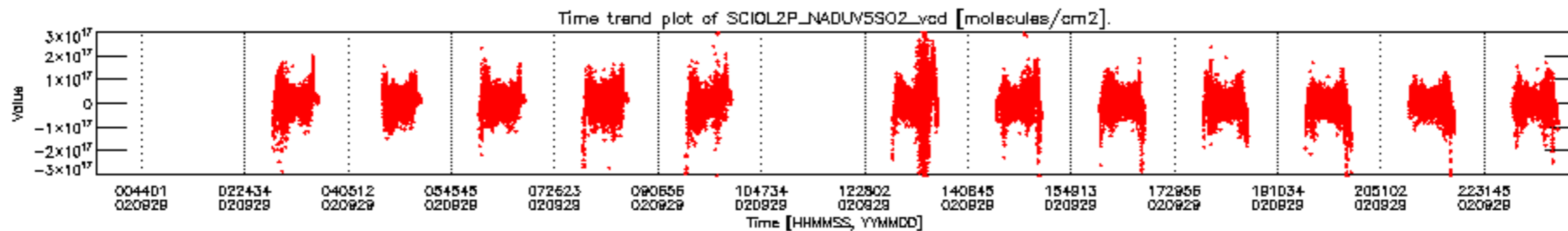
SCIOL2P\_NADUV3BRO\_amf\_gr for 29SEP2002 00:00:00 to 30SEP2002 00:00:00



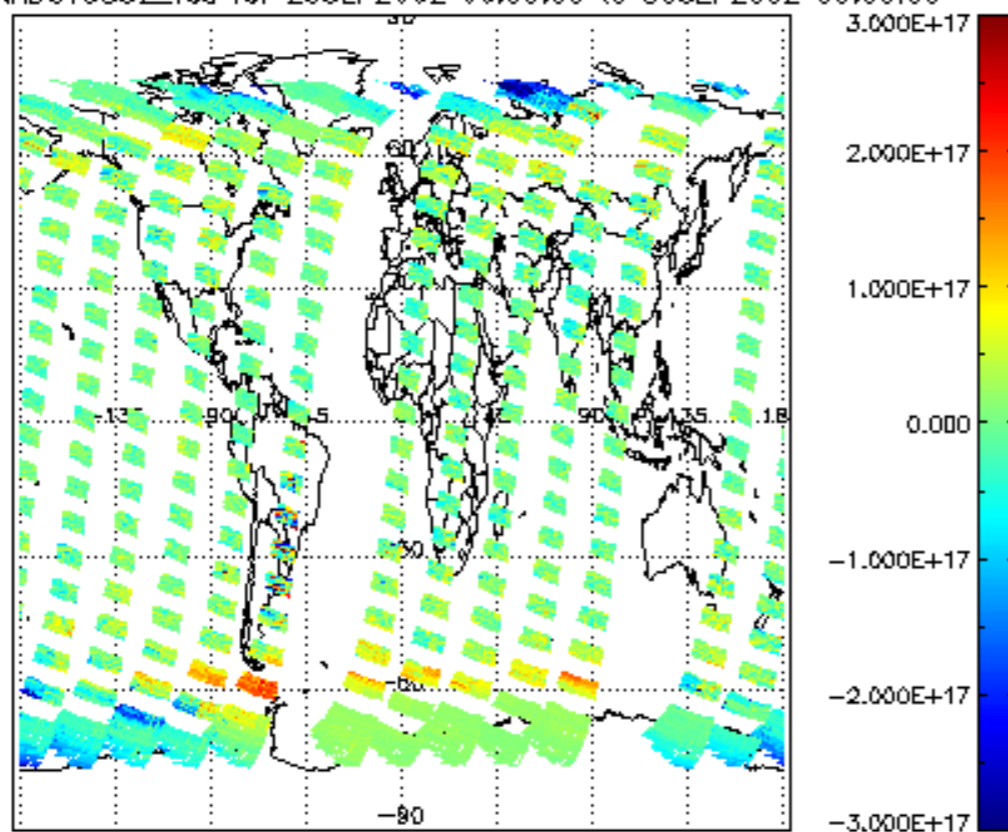
SCIOL2P\_NADUV3BRO\_amf\_sl for 29SEP2002 00:00:00 to 30SEP2002 00:00:00



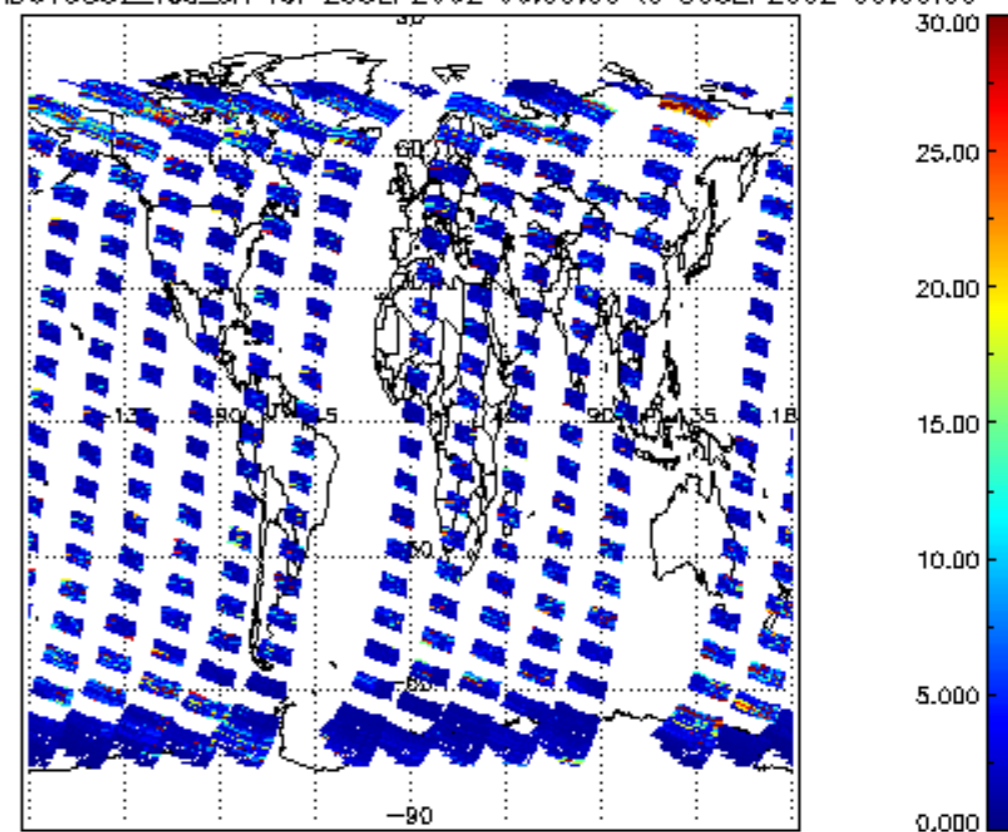




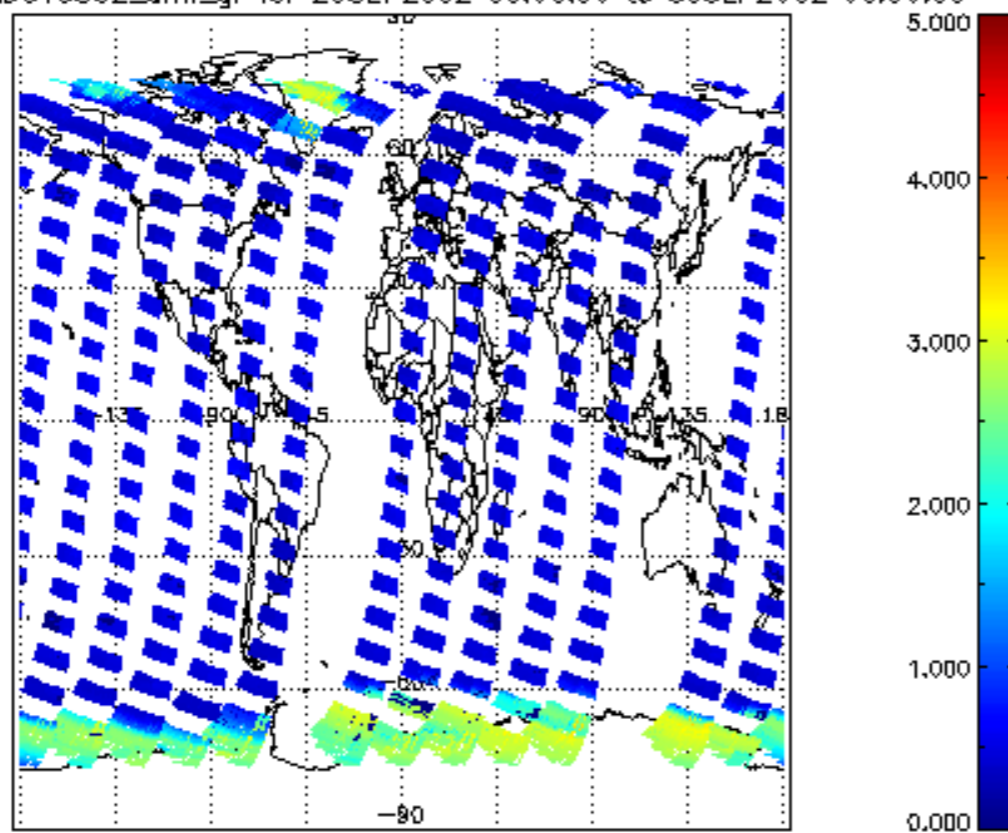
SCIOL2P\_NADUV5S02\_vcd for 29SEP2002 00:00:00 to 30SEP2002 00:00:00



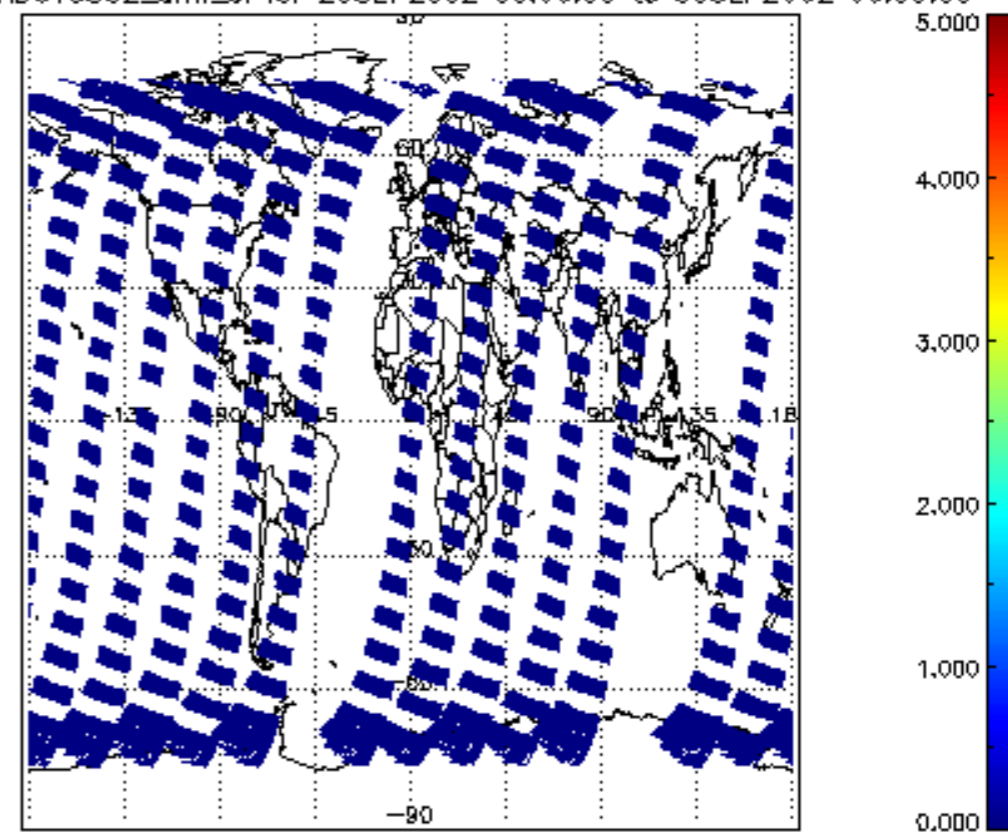
SCIOL2P\_NADUV5S02\_vcd\_err for 29SEP2002 00:00:00 to 30SEP2002 00:00:00



SCIOL2P\_NADUV5S02\_amf\_gr for 29SEP2002 00:00:00 to 30SEP2002 00:00:00



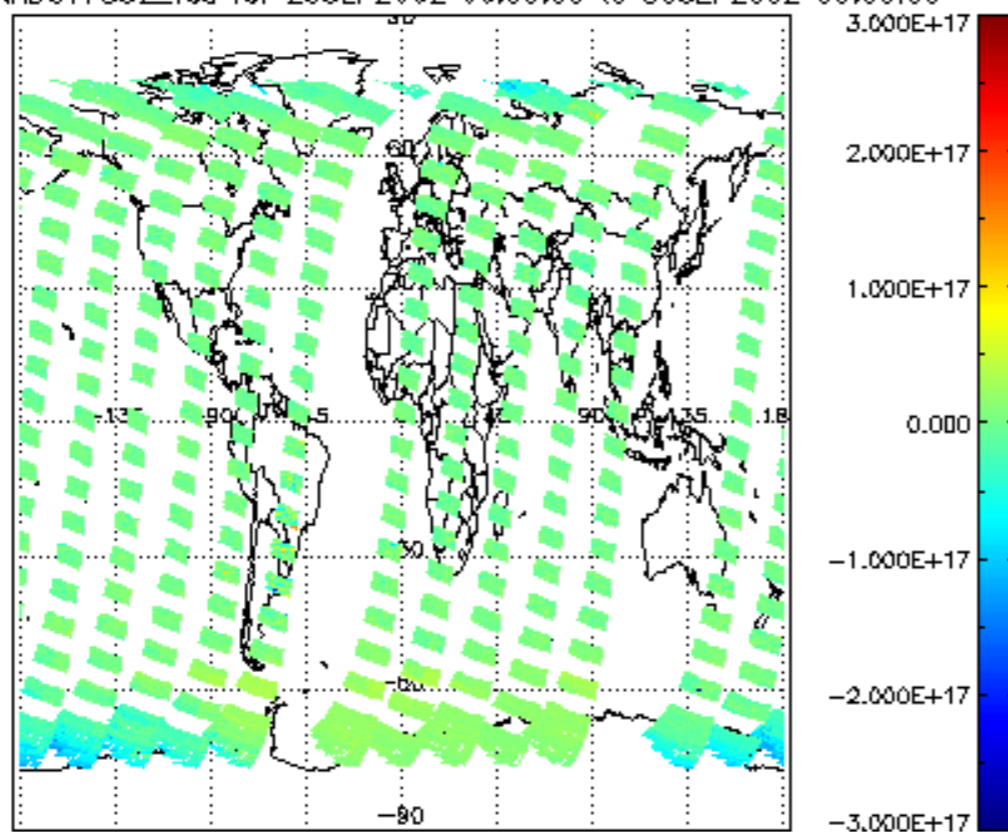
SCIOL2P\_NADUV5S02\_amf\_cl for 29SEP2002 00:00:00 to 30SEP2002 00:00:00



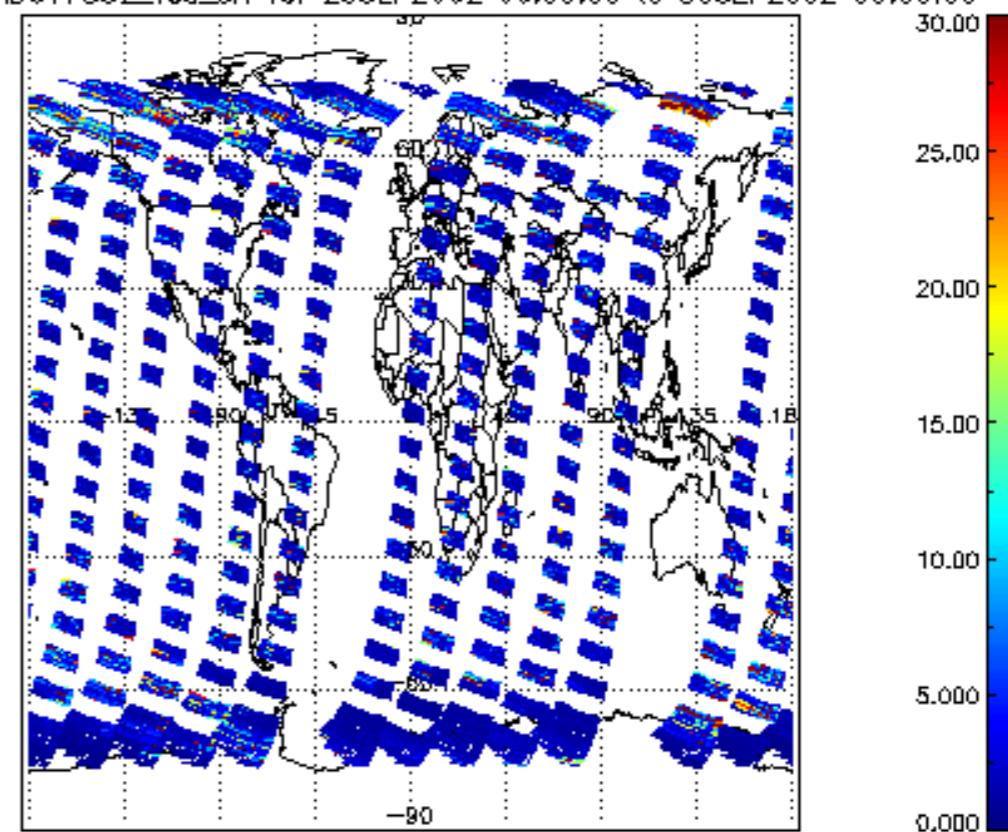




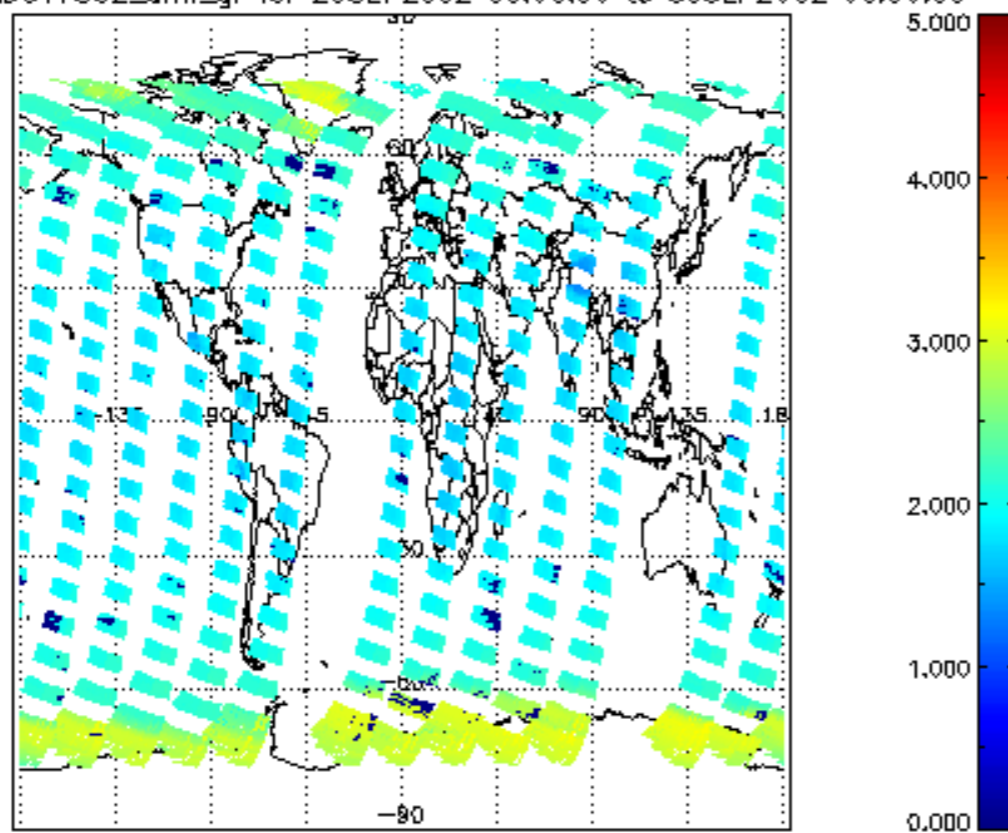
SCIOL2P\_NADUV7S02\_vcd for 29SEP2002 00:00:00 to 30SEP2002 00:00:00



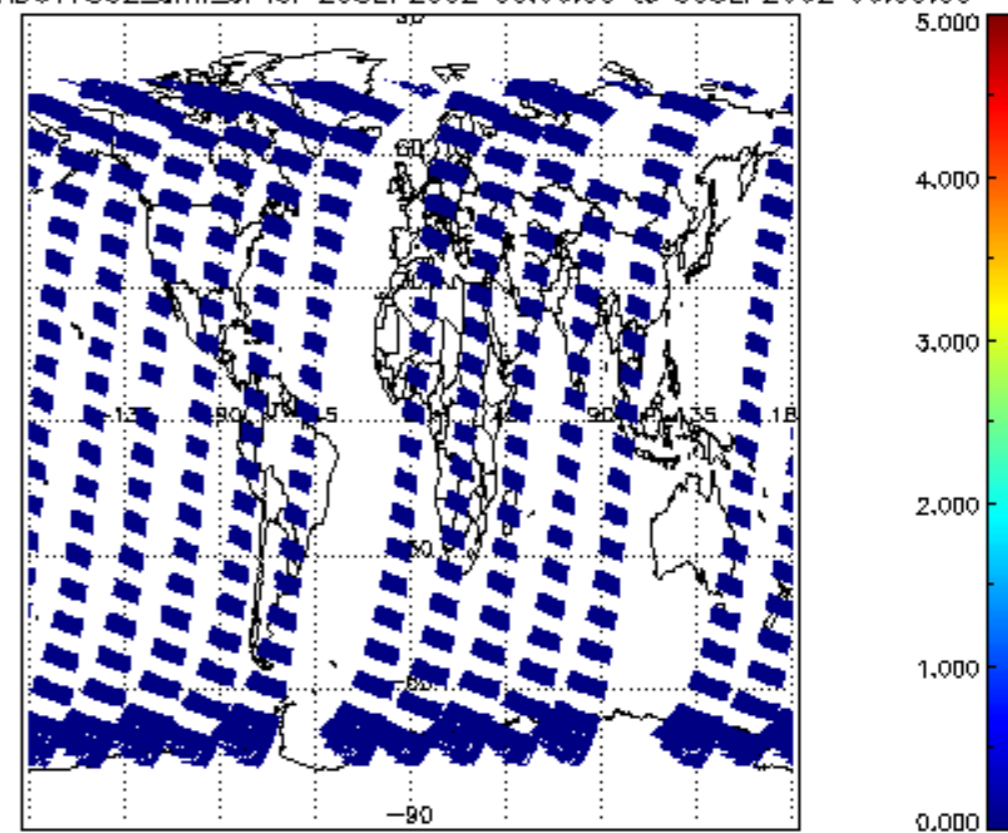
SCIOL2P\_NADUV7S02\_vcd\_err for 29SEP2002 00:00:00 to 30SEP2002 00:00:00



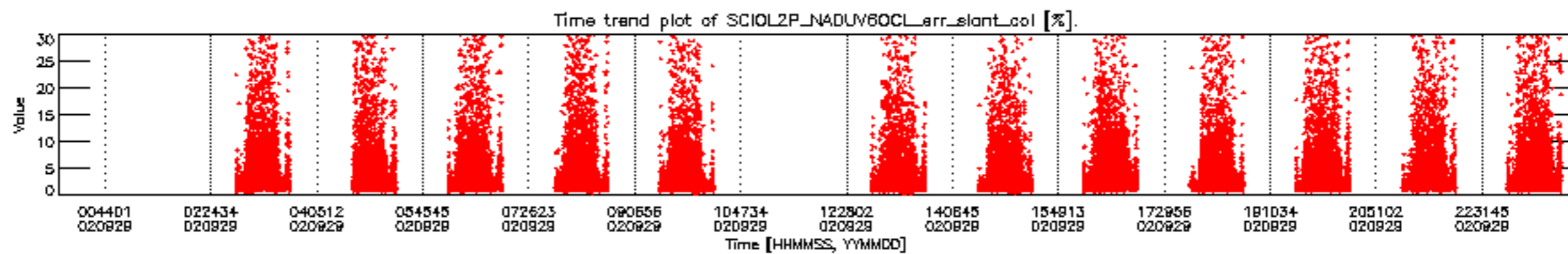
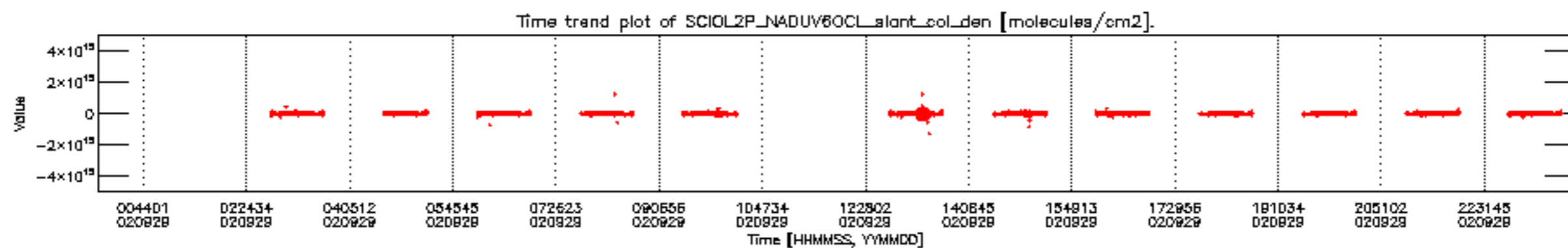
SCIOL2P\_NADUV7S02\_amf\_gr for 29SEP2002 00:00:00 to 30SEP2002 00:00:00



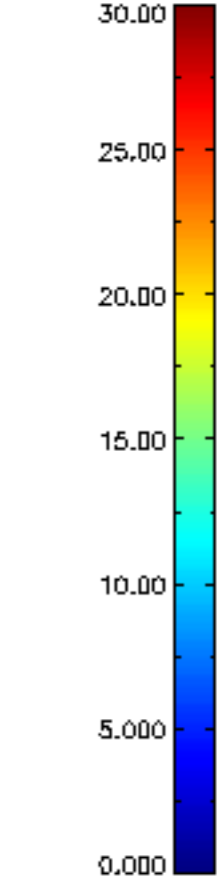
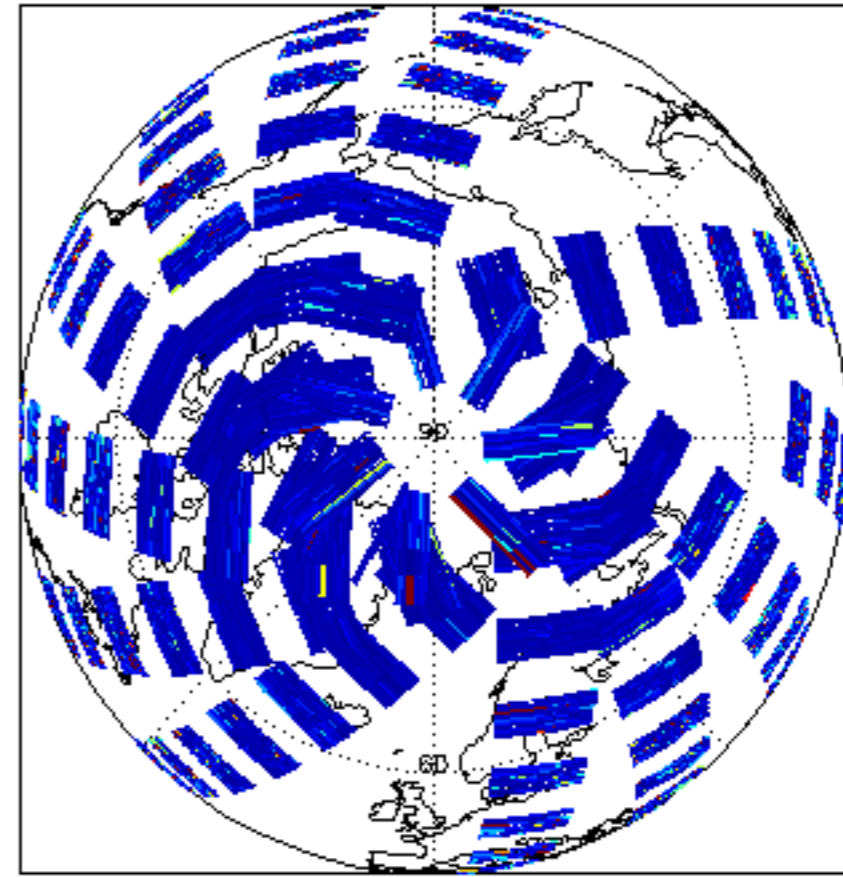
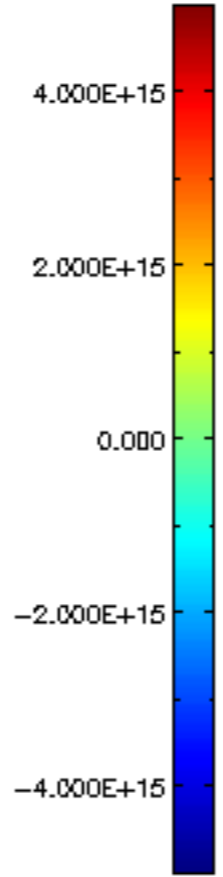
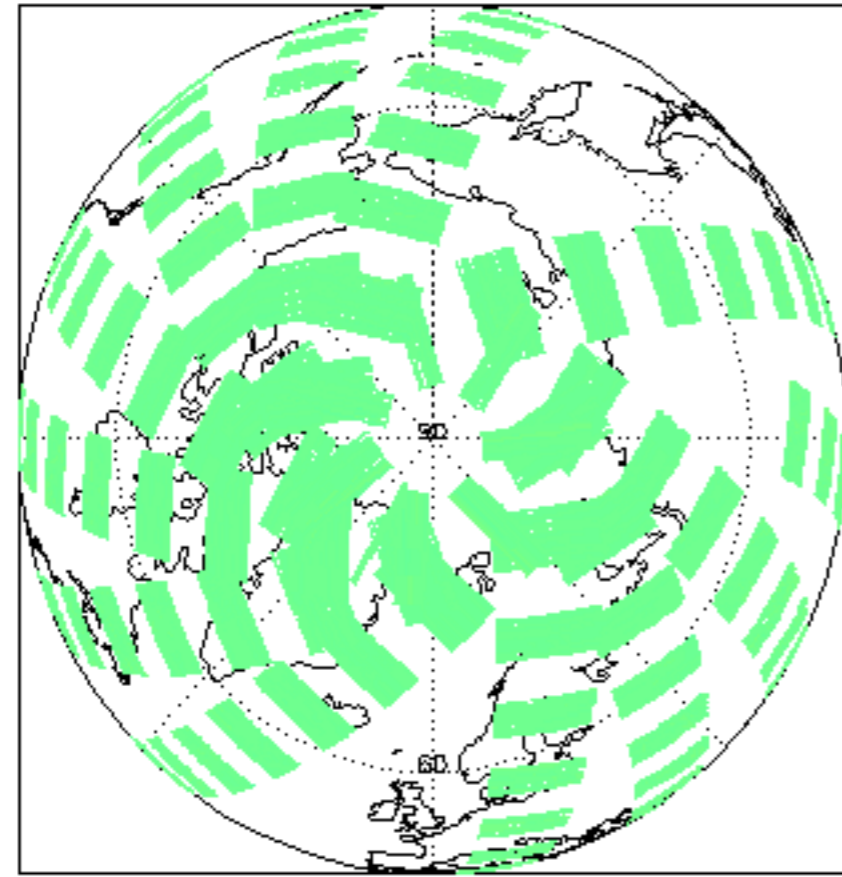
SCIOL2P\_NADUV7S02\_amf\_cl for 29SEP2002 00:00:00 to 30SEP2002 00:00:00





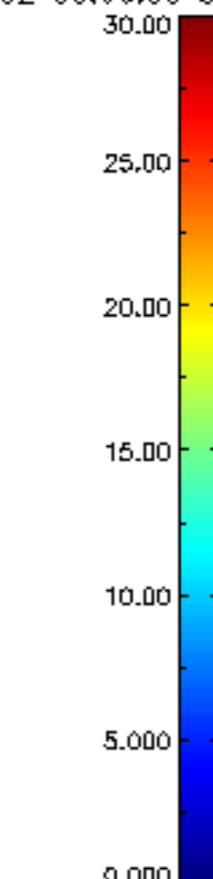
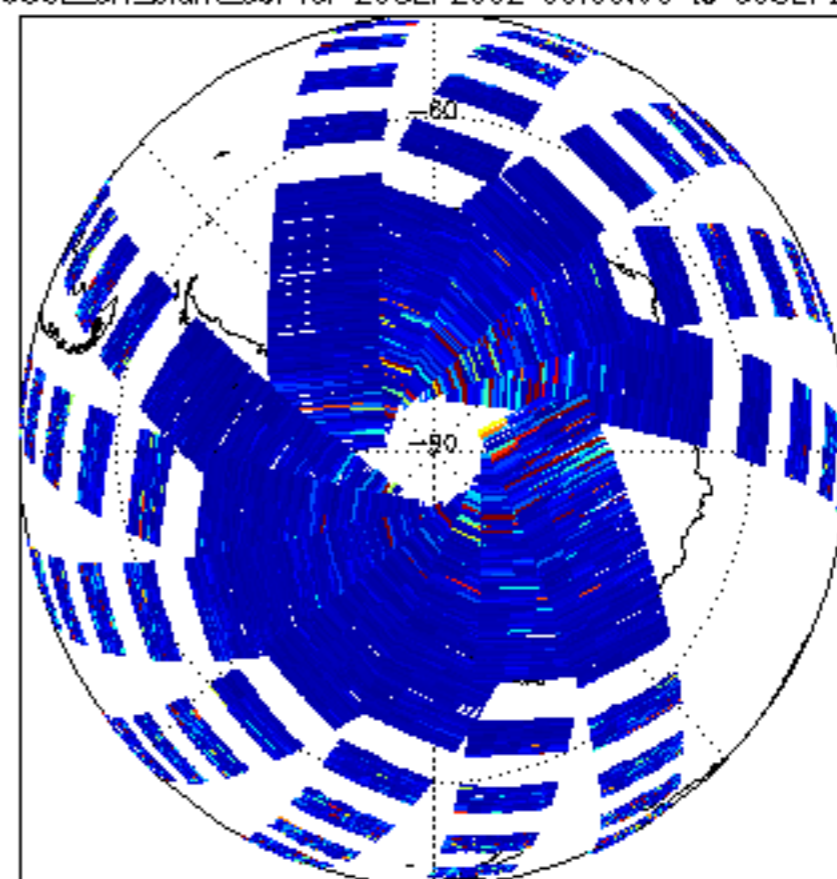
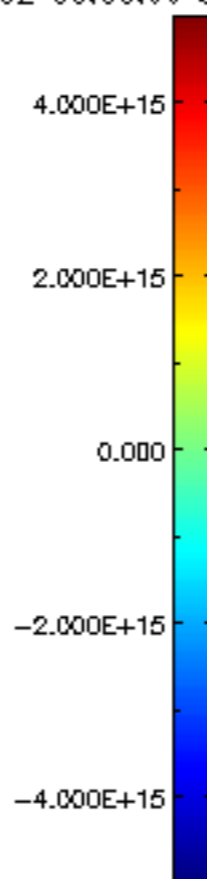
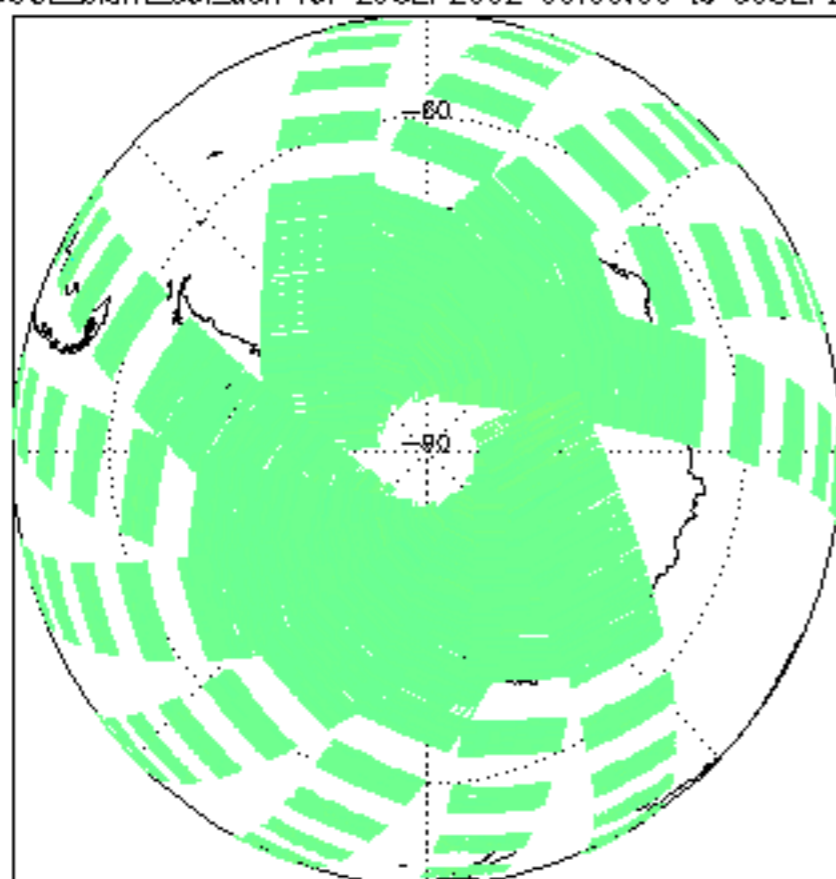


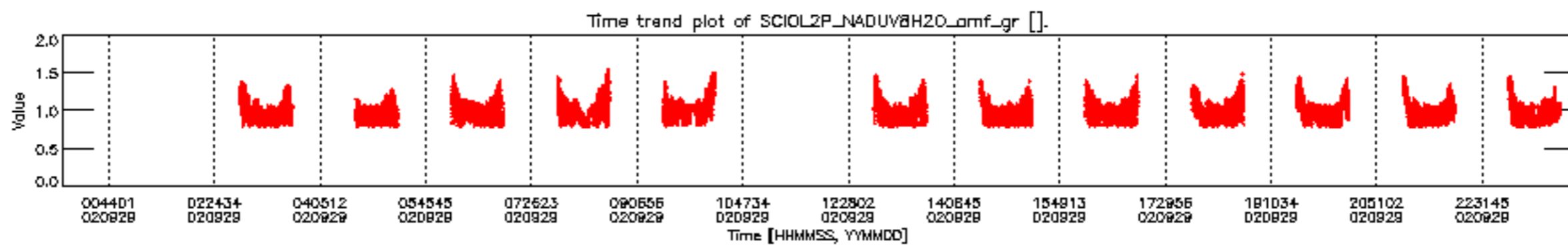
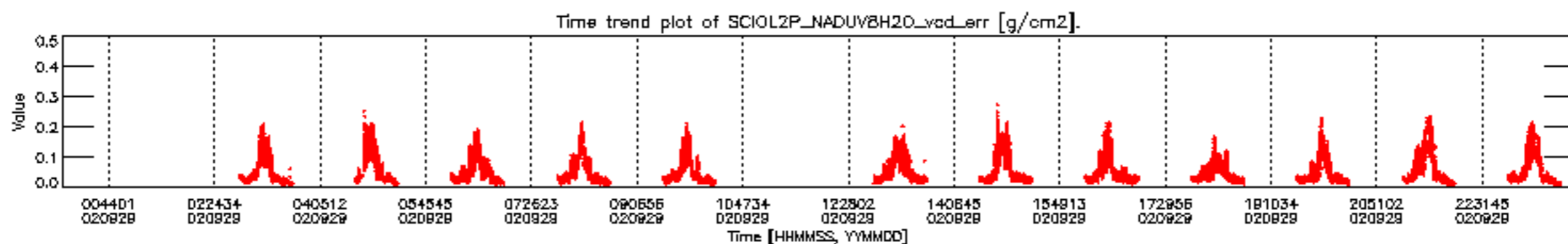
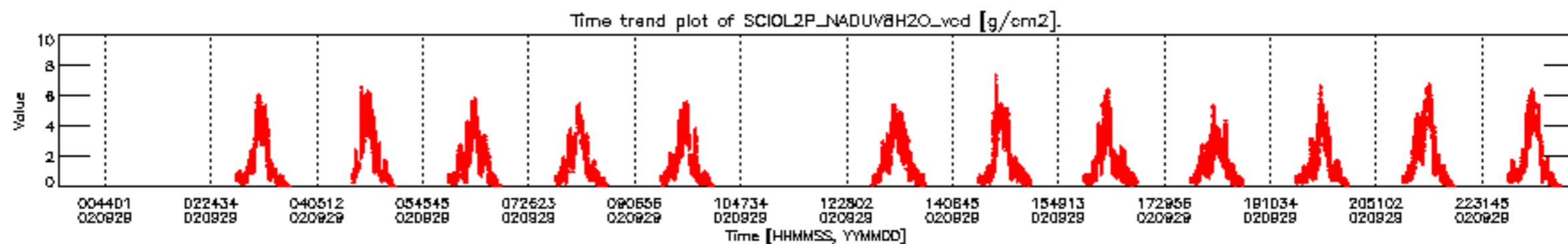
CIOL2P\_NADUV60CL\_slant\_col\_den for 29SEP2002 00:00:00 to 30SEP2002 00:00:00 np iCIOL2P\_NADUV60CL\_err\_slant\_col for 29SEP2002 00:00:00 to 30SEP2002 00:00:00 np





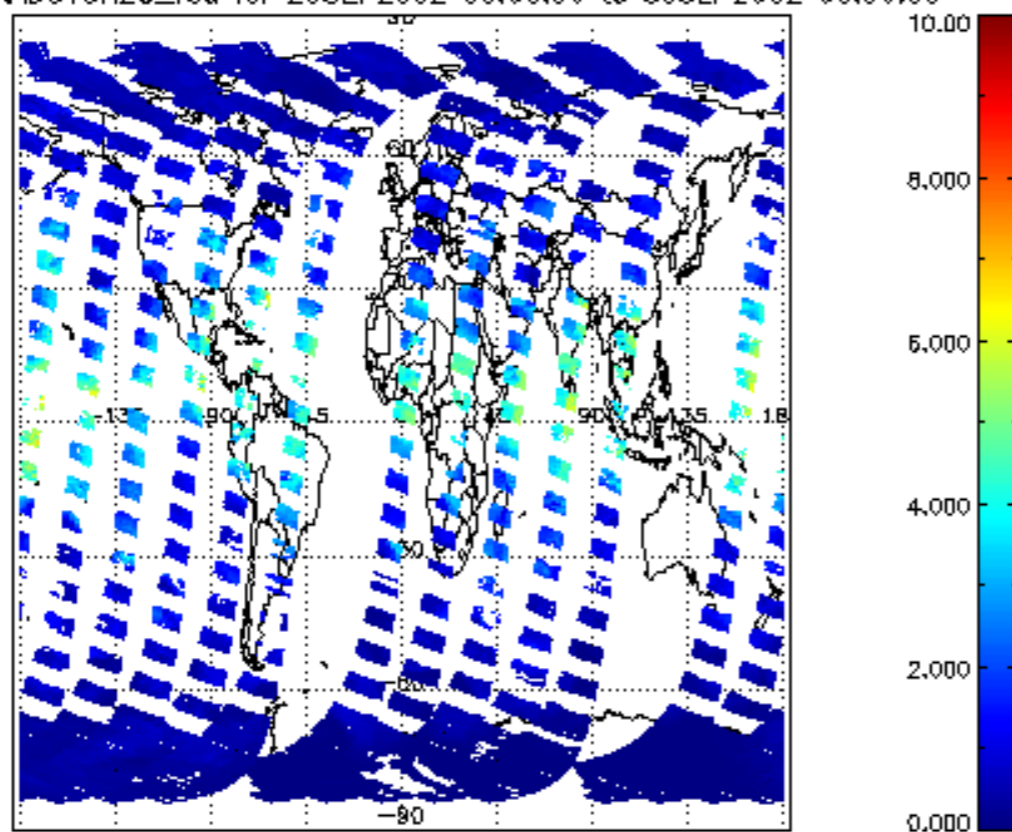
CIOL2P\_NADUV60CL\_slant\_col\_den for 29SEP2002 00:00:00 to 30SEP2002 00:00:00 sp iCIOL2P\_NADUV60CL\_err\_slant\_col for 29SEP2002 00:00:00 to 30SEP2002 00:00:00 sp



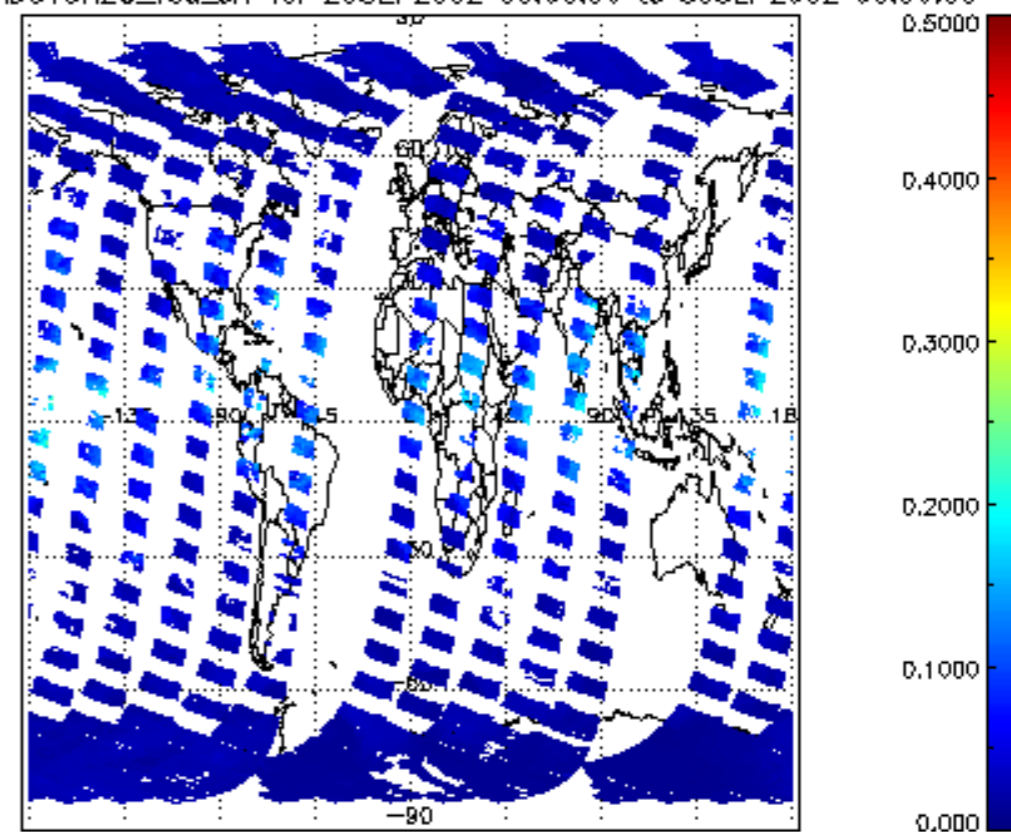




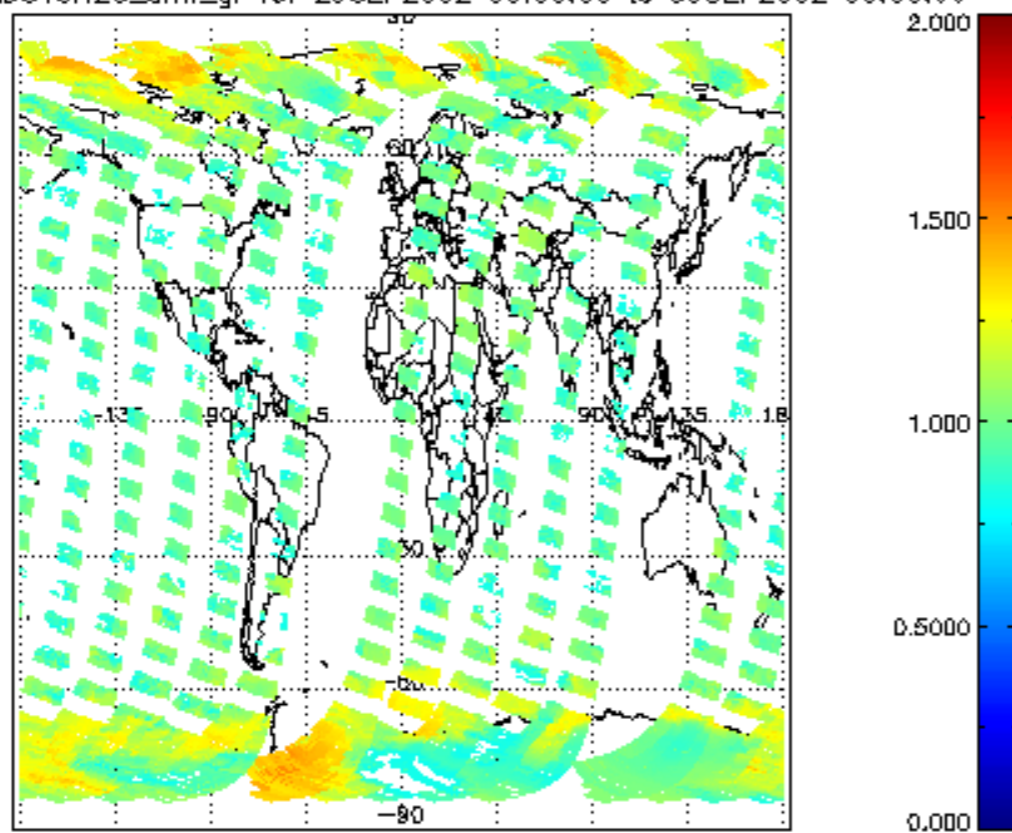
SCIOL2P\_NADUV8H20\_vcd for 29SEP2002 00:00:00 to 30SEP2002 00:00:00

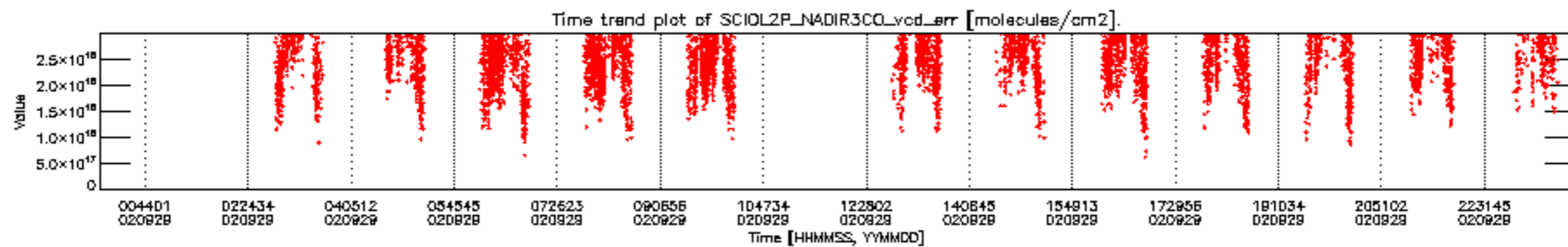
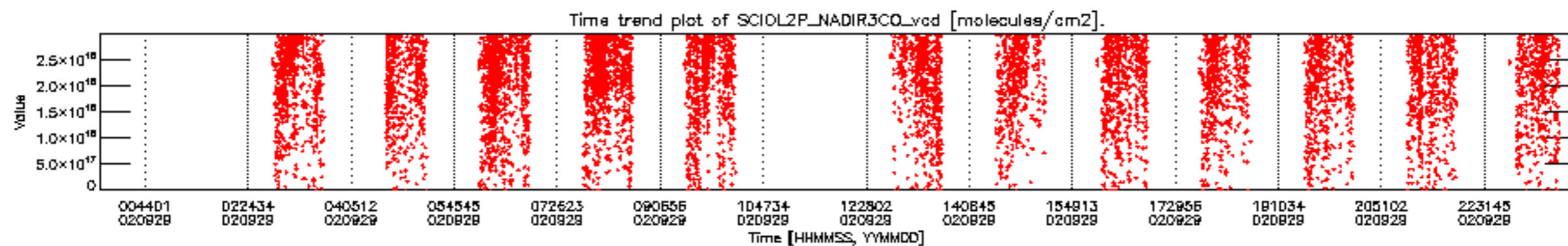


SCIOL2P\_NADUV8H20\_vcd\_err for 29SEP2002 00:00:00 to 30SEP2002 00:00:00



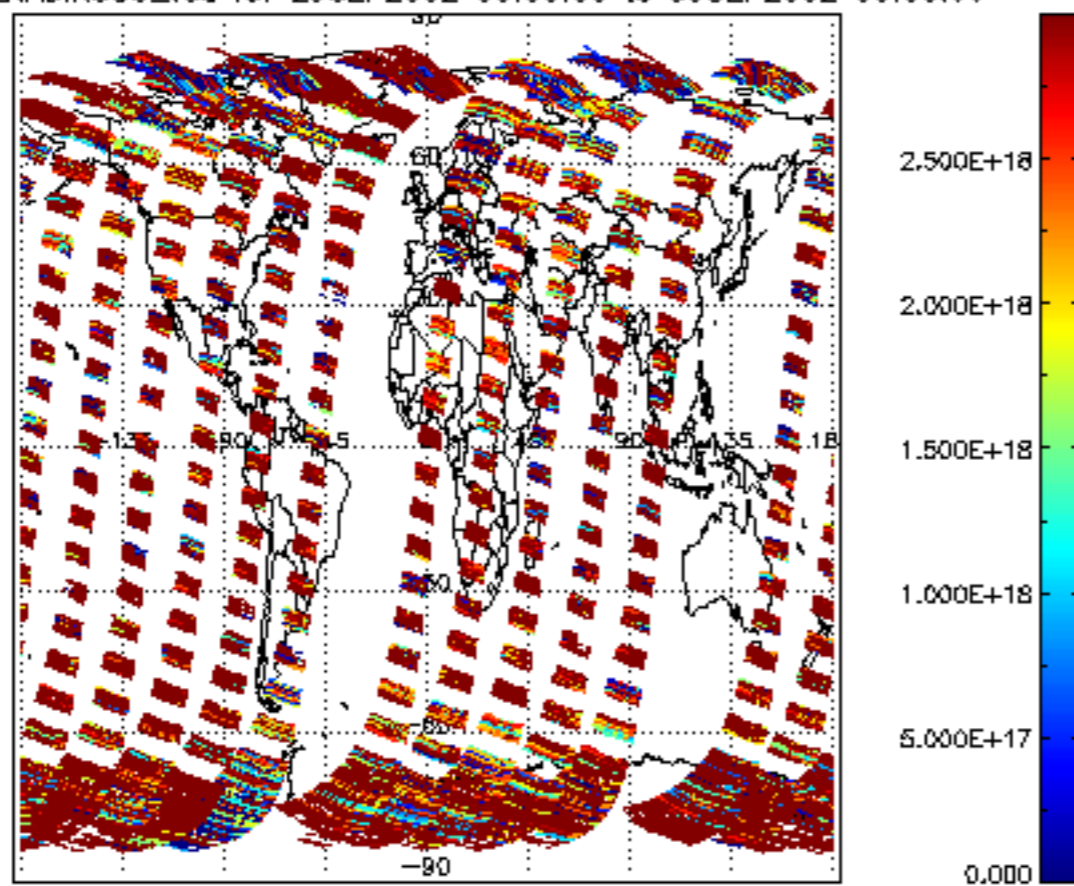
SCIOL2P\_NADUV8H20\_amf\_gr for 29SEP2002 00:00:00 to 30SEP2002 00:00:00



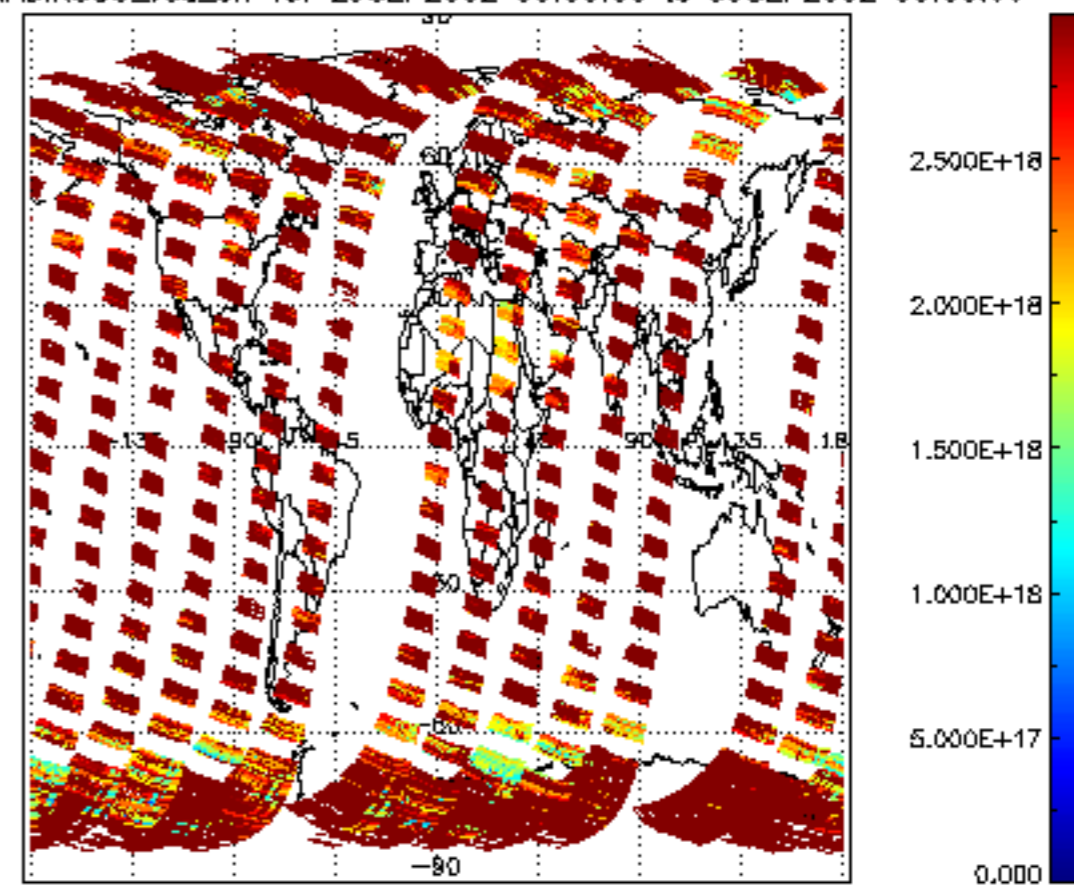




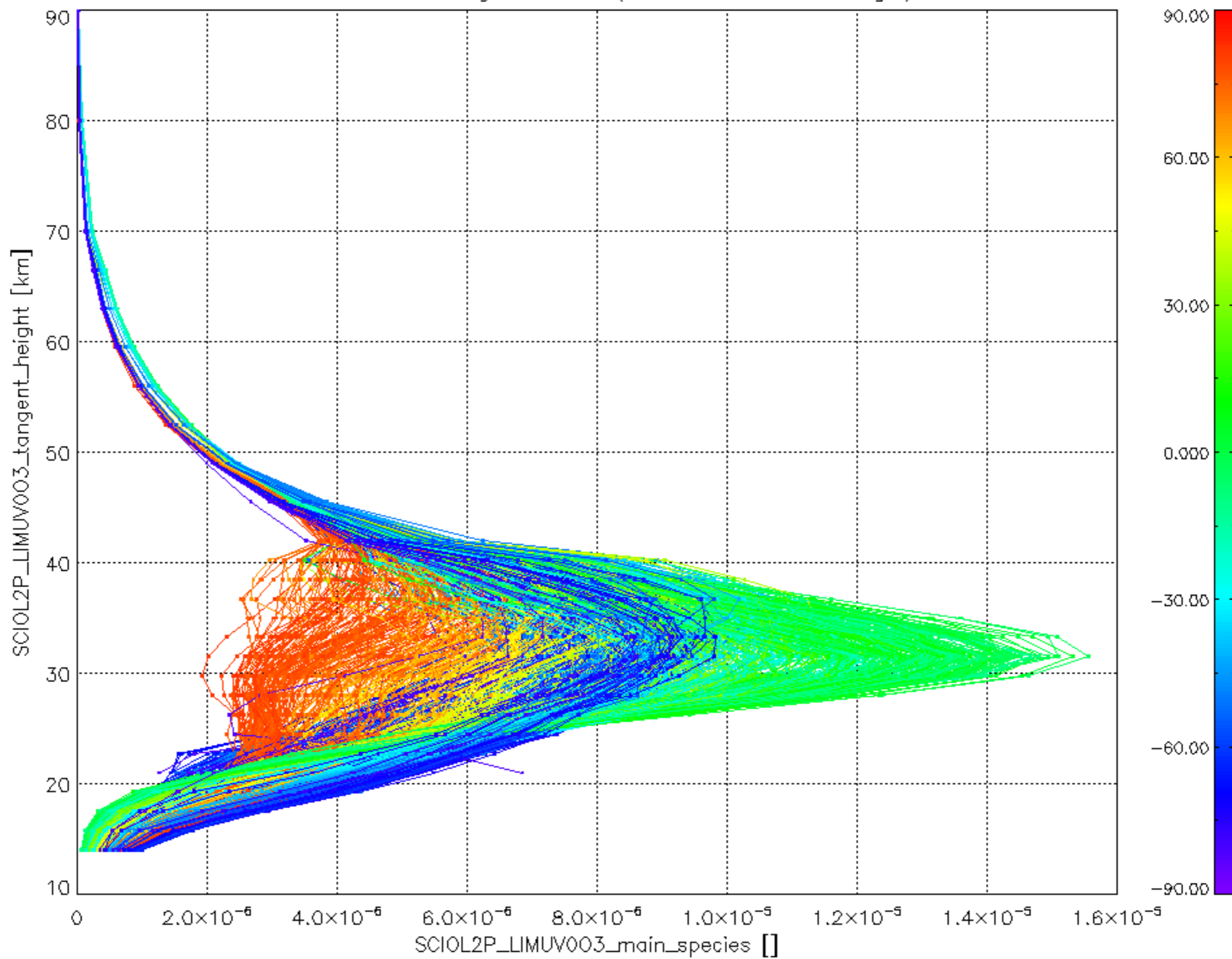
SCIOL2P\_NADIR3CO\_vcd for 29SEP2002 00:00:00 to 30SEP2002 00:00:00



SCIOL2P\_NADIR3CO\_vcd\_err for 29SEP2002 00:00:00 to 30SEP2002 00:00:00

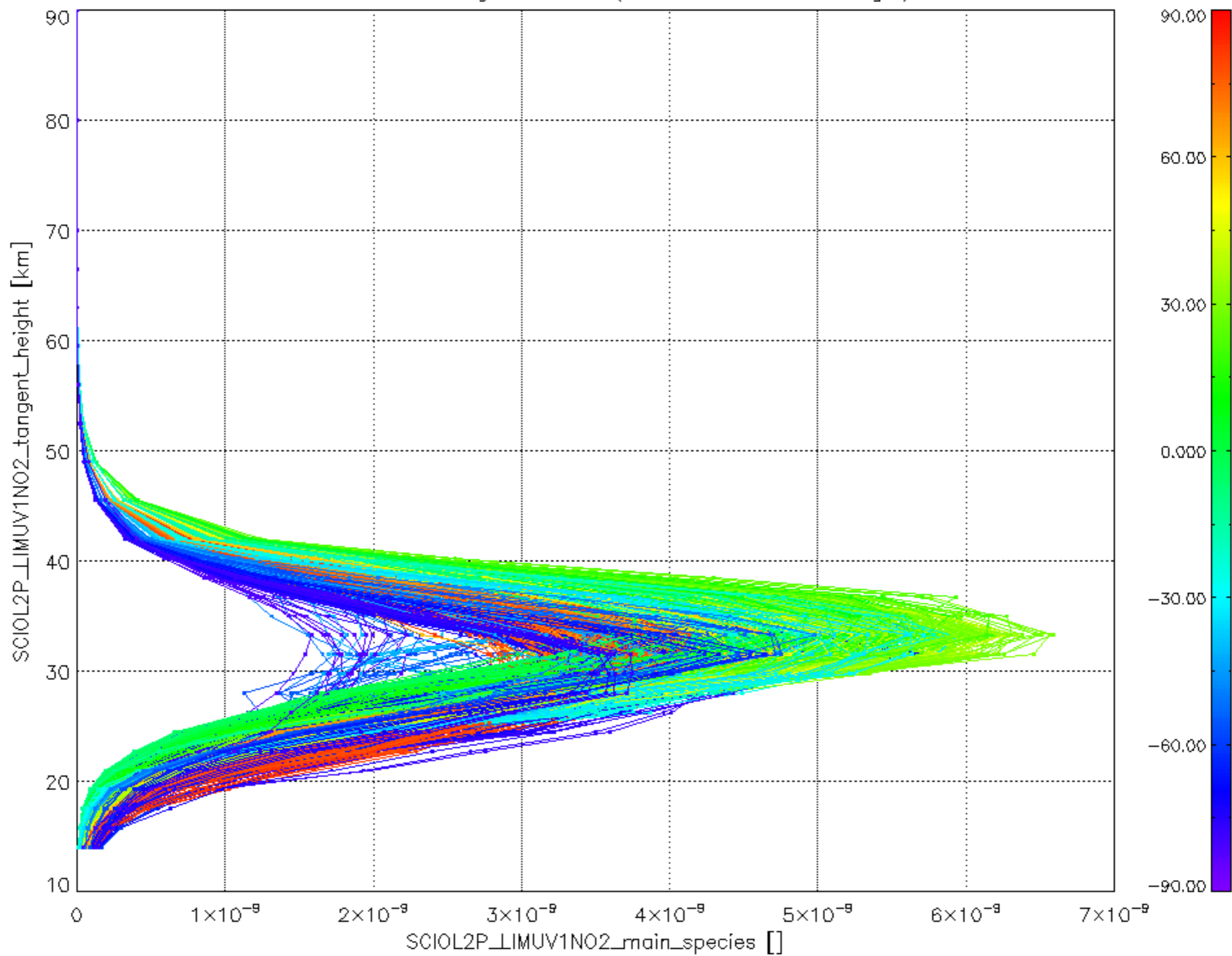


Plot of SCIOL2P\_LIMUV003\_main\_species.tang\_vmr vs. tangent height.  
 Colours indicate tangent latitude (see colour bar on the right).





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).

