

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	28FEB2012 11:57:38
Data source version	SCIA-OL/5.02-W
Processing scope for products	11DEC2002 00:00:00 to 12DEC2002 00:00:00
Start time of first product within scope	10DEC2002 23:32:41
Stop time of last product within scope	11DEC2002 08:46:46
Total number of level 2 products	6
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	SCI_OL__2PWDPA20021210_233241_000030642012_00016_04078_2707.N1	10DEC2002 23:32:41	11DEC2002 00:23:46	0	GOOD
1	SCI_OL__2PWDPA20021211_011317_000030642012_00017_04079_2708.N1	11DEC2002 01:13:17	11DEC2002 02:04:22	0	GOOD
2	SCI_OL__2PWDPA20021211_025353_000030642012_00018_04080_2709.N1	11DEC2002 02:53:53	11DEC2002 03:44:58	0	GOOD
3	SCI_OL__2PWDPA20021211_043429_000030642012_00019_04081_2710.N1	11DEC2002 04:34:29	11DEC2002 05:25:34	0	GOOD
4	SCI_OL__2PWDPA20021211_061505_000030642012_00020_04082_2711.N1	11DEC2002 06:15:05	11DEC2002 07:06:10	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.

No cloud parameter data available.

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	No data available

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)

No data available for O3 (UV0)

2.2.2.2 NO2 (UV1)

No data available for NO2 (UV1)

2.2.2.3 BrO (UV3)

No data available for BrO (UV3)

2.2.2.4 SO2 (UV5)

No data available for SO2 (UV5)

2.2.2.5 SO2 (UV7)

No data available for SO2 (UV7)

2.2.2.6 OCIO (UV6)

No data available for OCIO (UV6)

2.2.2.7 H2O (UV8)

No data available for H2O (UV8)

2.2.2.8 CO (IR3)

No data available for CO (IR3)

2.2.3 Limb

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

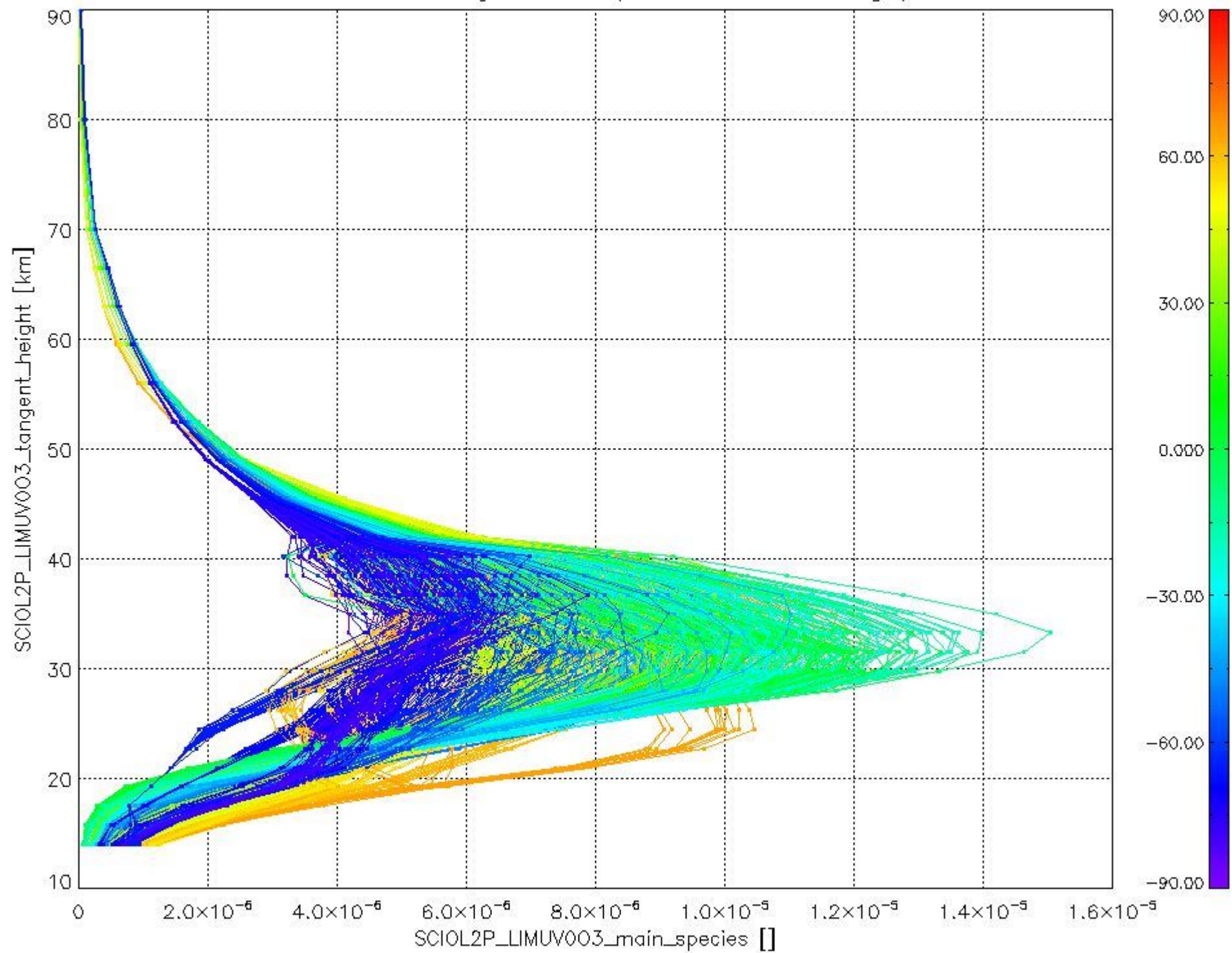
The following data items are currently included into this section:

Number	Data item ID
0	SCIOL2P_LIMUV0O3_main_species
1	SCIOL2P_LIMUV1NO2_main_species
2	SCIOL2P_LIMUV3BRO_main_species

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

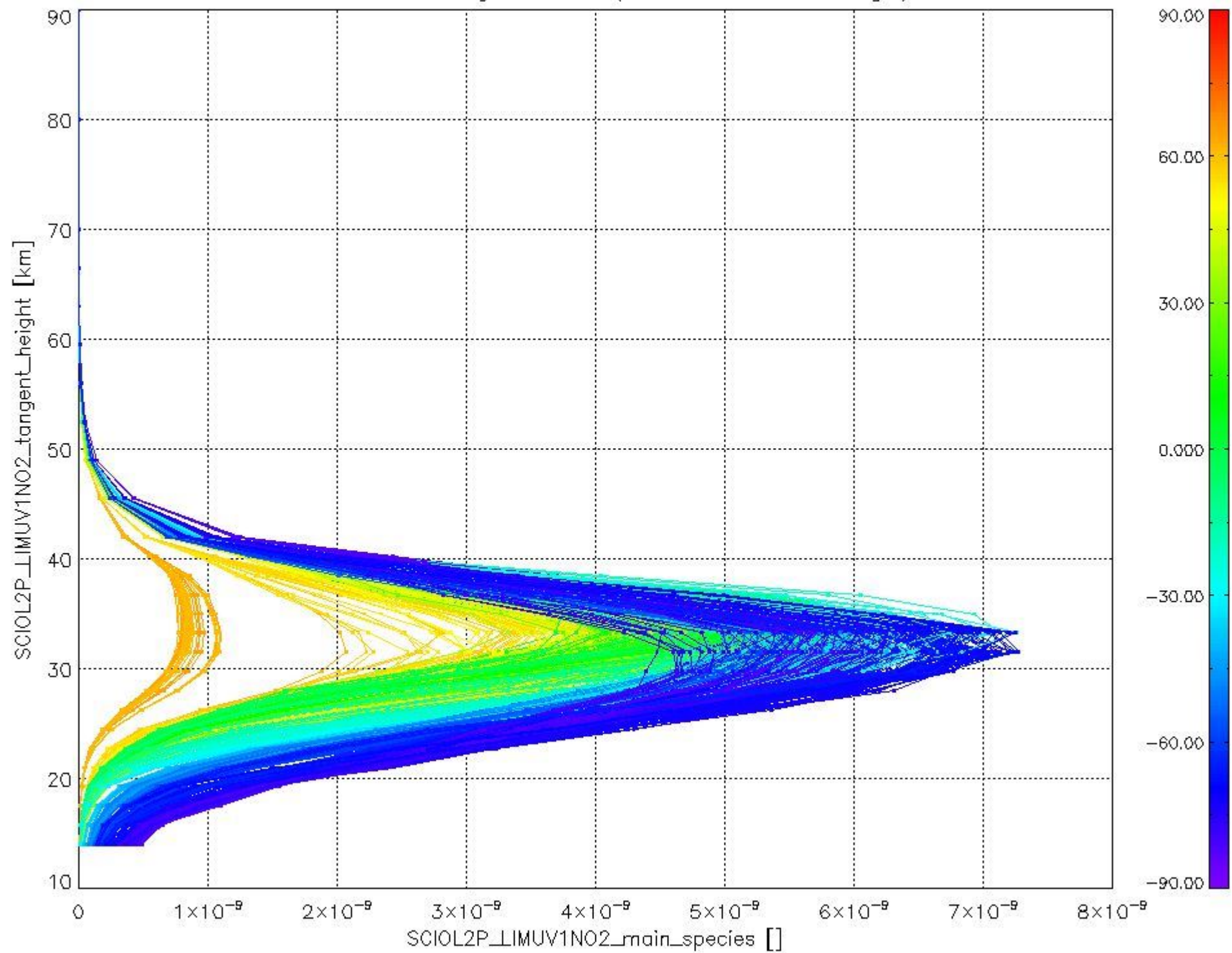
2.2.3.1 O3 (UV0)

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



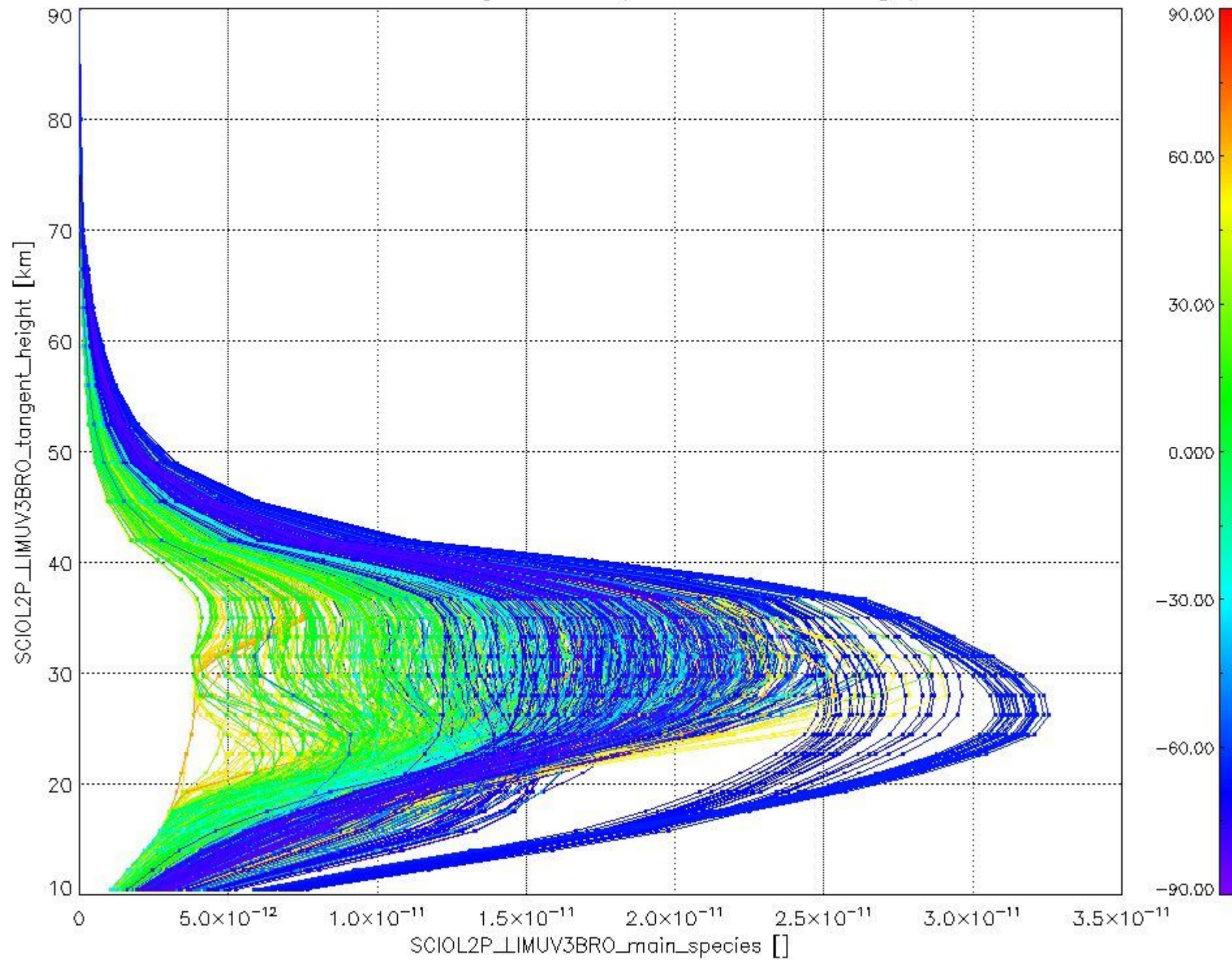
2.2.3.2 NO2 (UV1)

Plot of SCIOI2P_LIMUV1NO2_main_species.tang_vmr vs. tangent height.
 Colours indicate tangent latitude (see colour bar on the right).



2.2.3.3 BrO (UV3)

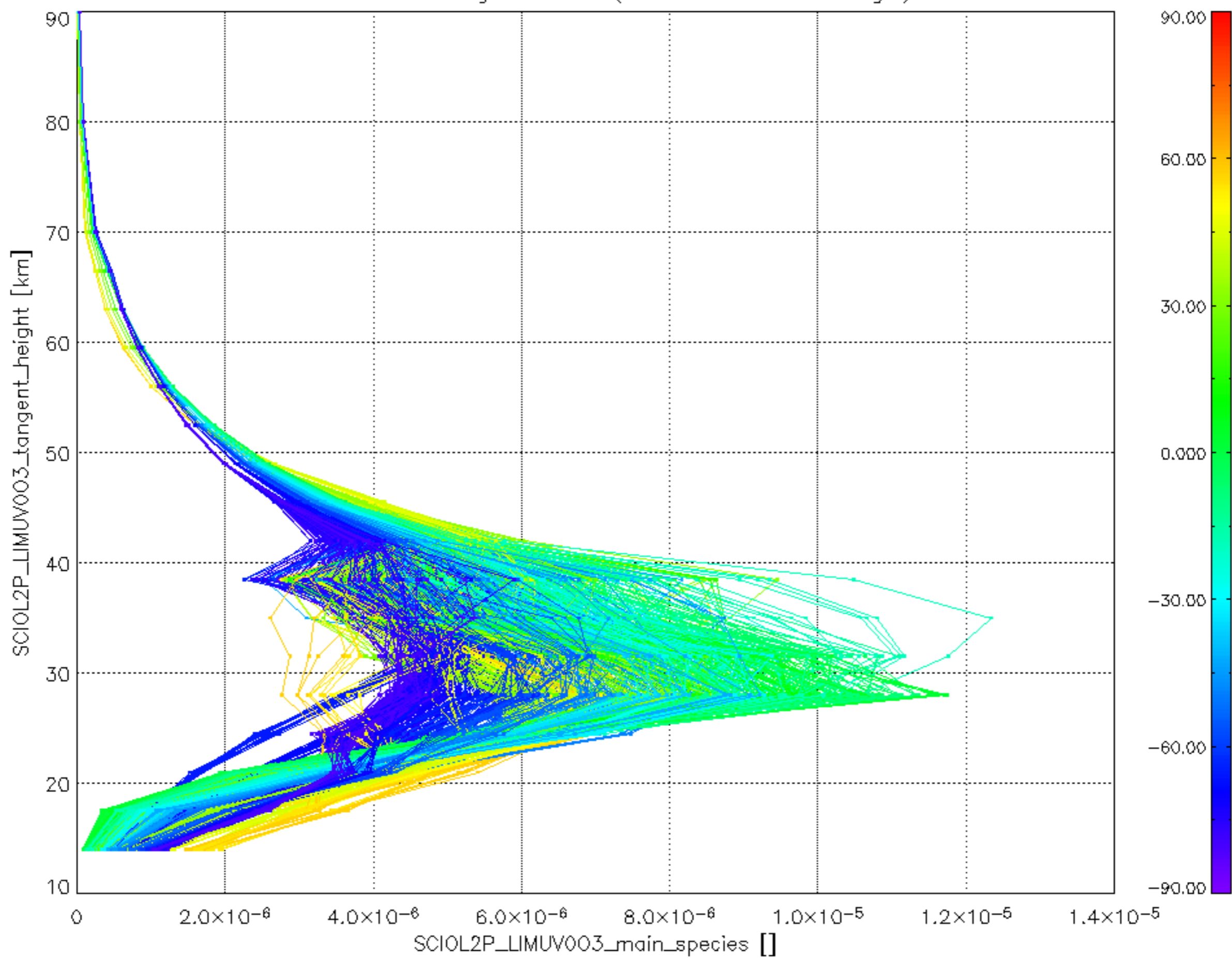
Plot of SCIOL2P_LIMUV3BRO_main_species.tang_vmr vs. tangent height.
Colours indicate tangent latitude (see colour bar on the right).



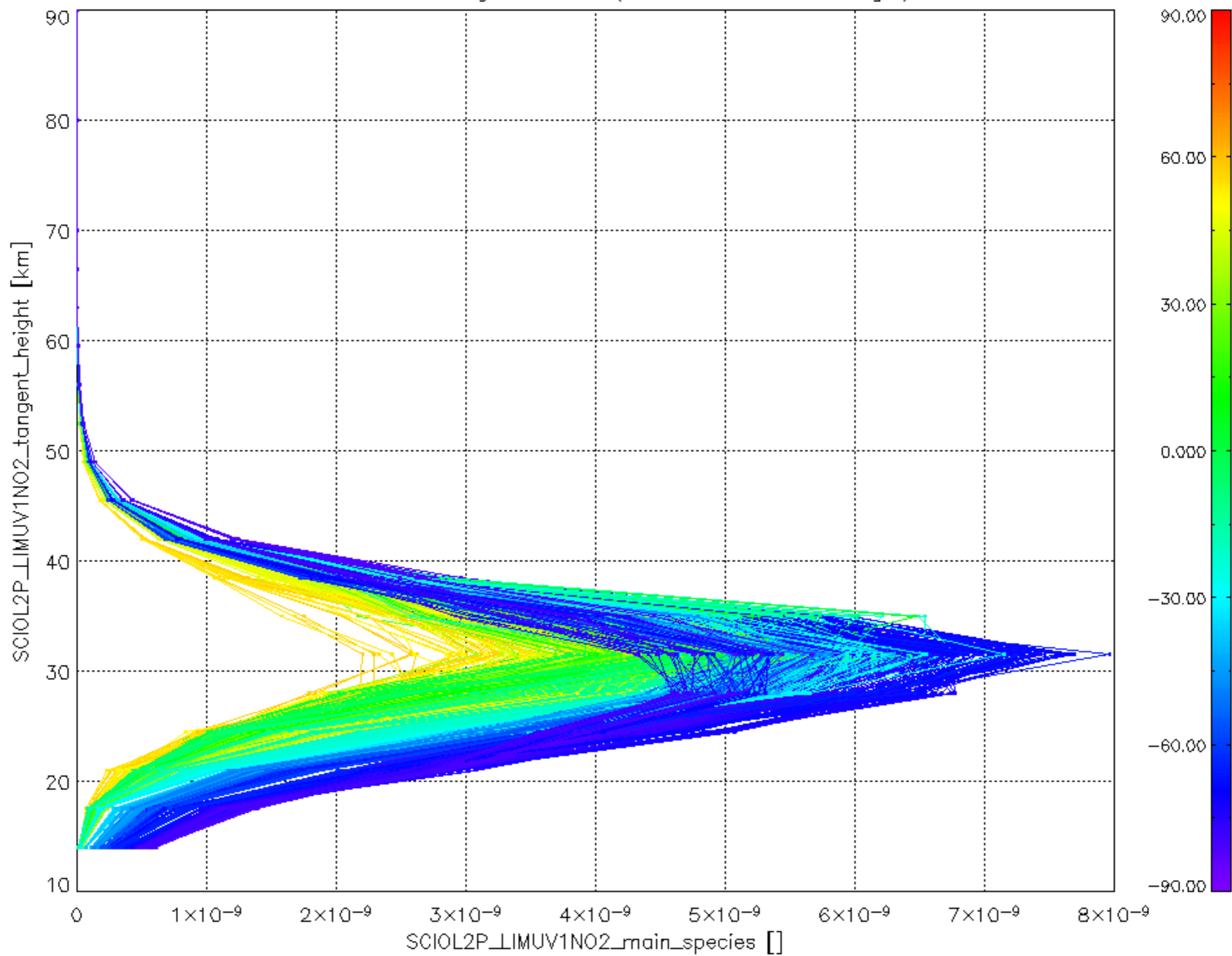
2.3 ADF monitoring

Number	ADF
	IN_ (INITIALISATION_FILE)
0	SCI_IN_AXNPDE20110201_120000_20020301_000000_20991231_235959
	ECF (ECMWF_FILE)
1	NOT USED
	MF1 (M_FACTOR_FILE)
2	SCI_MF1_AXNIEC20100218_151220_20021210_075304_20021212_075304
3	SCI_MF1_AXNIEC20100218_151321_20021211_072127_20021213_072127

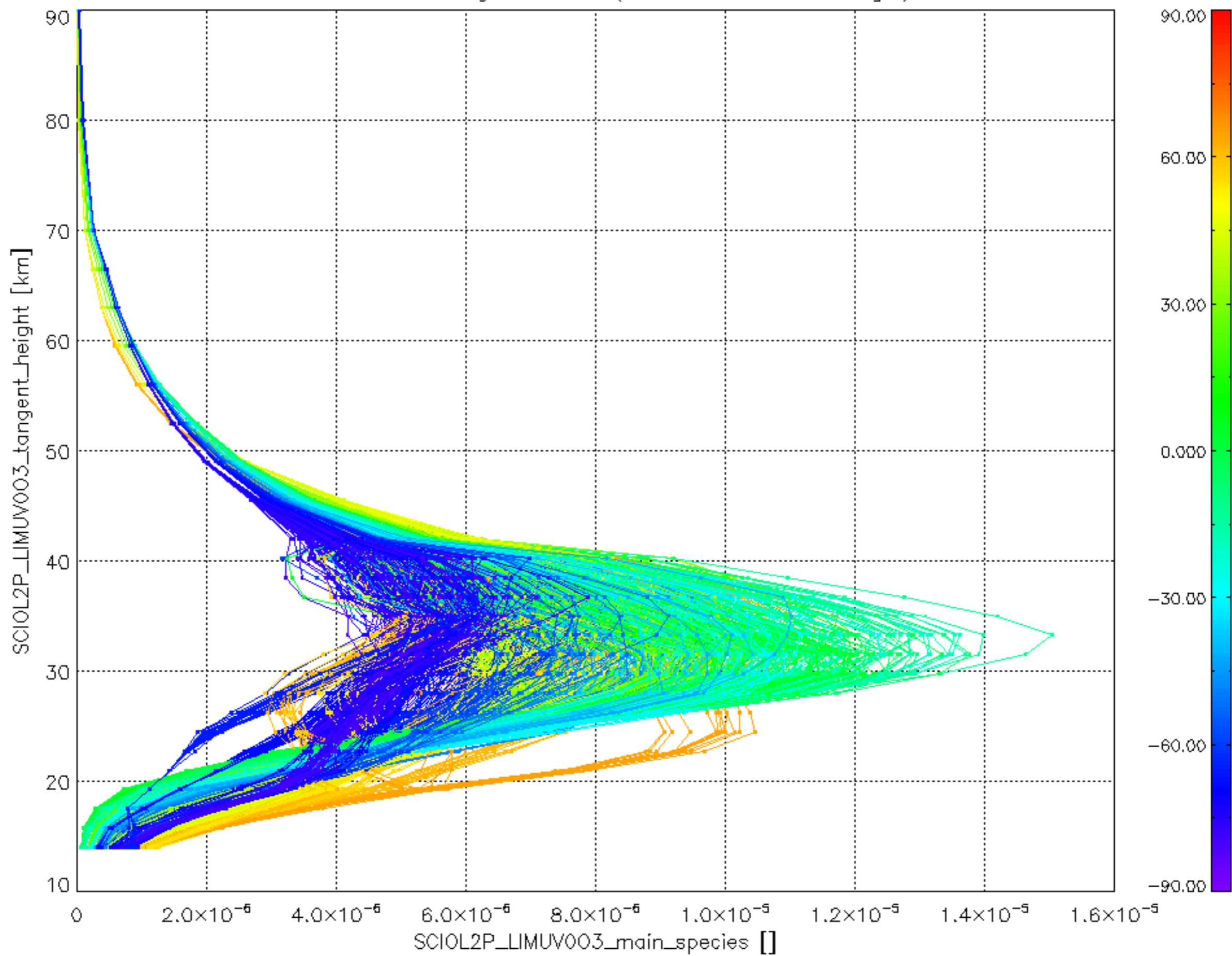
Plot of SCIOL2P_LIMUV003_main_species.tang_vmr vs. tangent height.
 Colours indicate tangent latitude (see colour bar on the right).



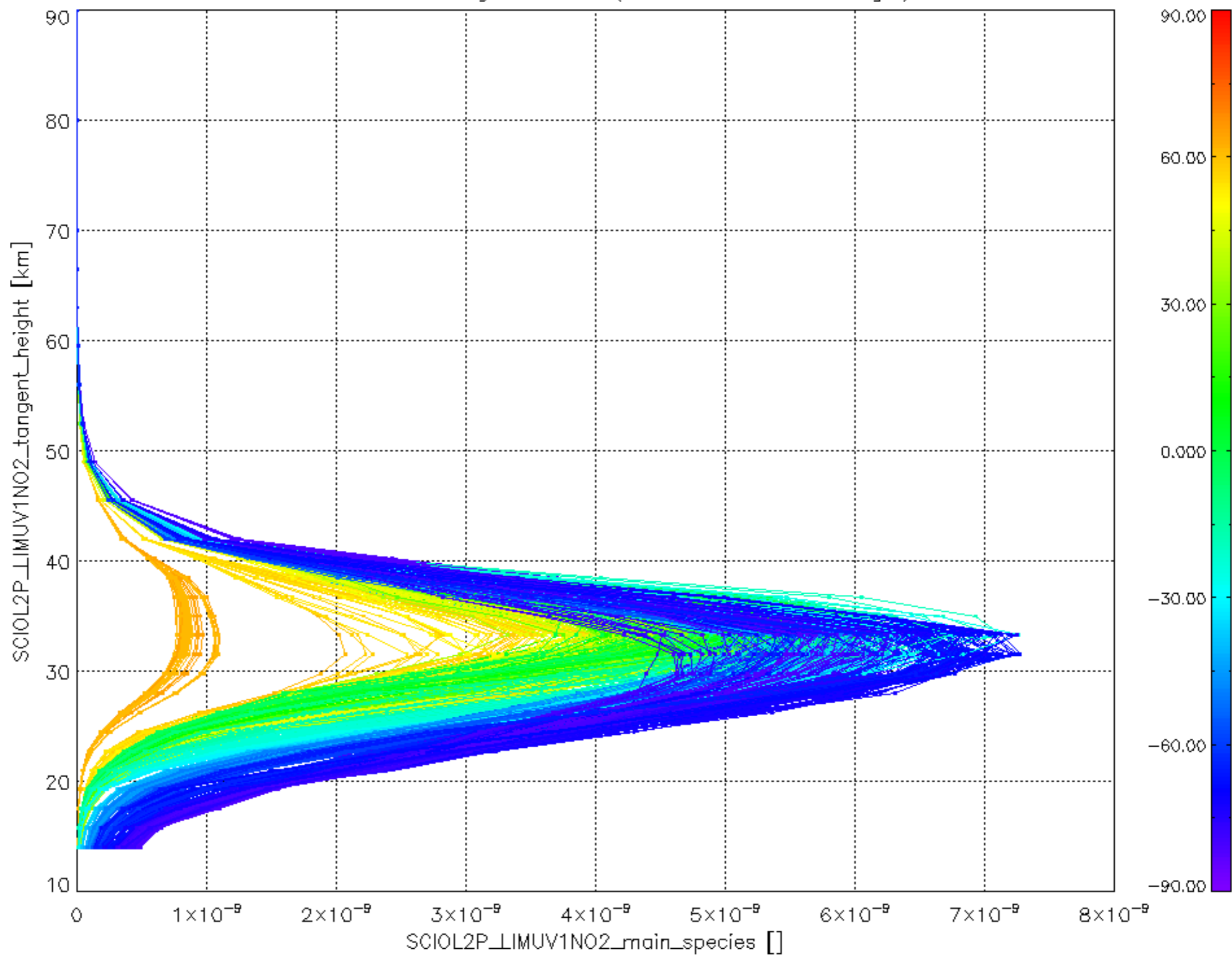
Plot of SCIOL2P_LIMUV1NO2_main_species.tang_vmr vs. tangent height.
 Colours indicate tangent latitude (see colour bar on the right).



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).



Plot of SCIOL2P_LIMUV3BRO_main_species.tang_vmr vs. tangent height.
 Colours indicate tangent latitude (see colour bar on the right).

