

# GOMOS Level 2 Daily Report

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This report presents the daily analysis on parameters extracted from GOMOS level 2 data (GOM\_NL\_\_2P). It is intended to monitor some important parameters that will impact the quality of these products. A list of level 2 products (and content) that have arrived during the reporting day to the PCF is also given.

Item	Value
Time of report generation	25APR2013 14:44:56
Data source version	GOMOS/6.01
Start time of products	26-05-2008 (26MAY2008 00:00:00)
Stop time of products	27-05-2008 (27MAY2008 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	326
Nb of prods with errors	0

## 2. Summary of processed GOM\_NL\_\_2P products.

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20080526_000014_000000462068_00488_32606_3188.N1	26-MAY-2008 00:00:14	Dark	45.500	52	16Bet Cet	2.0370	4500.0	91	32606	No
2	GOM_NL__2PRFIN20080526_001153_000000582068_00489_32607_3177.N1	26-MAY-2008 00:11:53	Dark	58.000	63	Bet Gru	2.1500	2800.0	116	32607	No
3	GOM_NL__2PRFIN20080526_001338_000000472068_00489_32607_3178.N1	26-MAY-2008 00:13:38	Dark	47.000	31	Alp Gru	1.7340	15200.	94	32607	No
4	GOM_NL__2PRFIN20080526_001854_000000412068_00489_32607_3179.N1	26-MAY-2008 00:18:54	Dark	40.500	45	Alp Pav	1.9400	26000.	81	32607	No
5	GOM_NL__2PRFIN20080526_002530_000000442068_00489_32607_3180.N1	26-MAY-2008 00:25:30	Straylight	43.500	141	Bet Ara	2.8400	4600.0	87	32607	No
6	GOM_NL__2PRFIN20080526_002916_000000252068_00489_32607_3181.N1	26-MAY-2008 00:29:16	Straylight	25.000	38	20Eps Sgr	1.8360	11000.	50	32607	No
7	GOM_NL__2PRFIN20080526_003010_000000502068_00489_32607_3182.N1	26-MAY-2008 00:30:10	Straylight	50.000	25	35Lam Sco	1.6200	28000.	100	32607	No
8	GOM_NL__2PRFIN20080526_003207_000000472068_00489_32607_3183.N1	26-MAY-2008 00:32:07	Twilight_stray	47.000	75	26Eps Sco	2.2910	4250.0	94	32607	No
9	GOM_NL__2PRFIN20080526_003415_000000432068_00489_32607_3184.N1	26-MAY-2008 00:34:15	Twilight_stray	43.000	136	23Tau Sco	2.8220	30000.	86	32607	No
10	GOM_NL__2PRFIN20080526_003714_000000412068_00489_32607_3185.N1	26-MAY-2008 00:37:14	Bright	40.500	97	8Bet1Sco	2.5610	30000.	81	32607	No
11	GOM_NL__2PRFIN20080526_004041_000000372068_00489_32607_3186.N1	26-MAY-2008 00:40:41	Bright	37.000	104	27Bet Lib	2.6140	13100.	74	32607	No
12	GOM_NL__2PRFIN20080526_004220_000000422068_00489_32607_3187.N1	26-MAY-2008 00:42:20	Bright	42.000	120	1Del Oph	2.7340	3200.0	84	32607	No
13	GOM_NL__2PRFIN20080526_004523_000000392068_00489_32607_3188.N1	26-MAY-2008 00:45:23	Bright	38.500	102	24Alp Ser	2.6000	4250.0	77	32607	No
14	GOM_NL__2PRFIN20080526_005112_000000382068_00489_32607_3189.N1	26-MAY-2008 00:51:12	Bright	37.500	83		2.3780	11000.	75	32607	No
15	GOM_NL__2PRFIN20080526_010214_000000402068_00489_32607_3190.N1	26-MAY-2008 01:02:14	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	32607	No
16	GOM_NL__2PRFIN20080526_010433_000000372068_00489_32607_3191.N1	26-MAY-2008 01:04:33	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	32607	No
17	GOM_NL__2PRFIN20080526_011258_000000462068_00489_32607_3192.N1	26-MAY-2008 01:12:58	Bright	46.000	89	5Alp Cep	2.4510	8000.0	92	32607	No
18	GOM_NL__2PRFIN20080526_011718_000000372068_00489_32607_3193.N1	26-MAY-2008 01:17:18	Bright	36.500	76	27Gam Cas	2.3000	30000.	73	32607	No
19	GOM_NL__2PRFIN20080526_011830_000000362068_00489_32607_3194.N1	26-MAY-2008 01:18:30	Bright	35.500	68	18Alp Cas	2.2250	4500.0	71	32607	No
20	GOM_NL__2PRFIN20080526_012448_000000542068_00489_32607_3195.N1	26-MAY-2008 01:24:48	Bright	53.500	53	43Bet And	2.0480	3300.0	107	32607	No
21	GOM_NL__2PRFIN20080526_012723_000000492068_00489_32607_3196.N1	26-MAY-2008 01:27:23	Twilight_stray	49.000	58	21Alp And	2.0730	11000.	98	32607	No
22	GOM_NL__2PRFIN20080526_013159_000000462068_00489_32607_3197.N1	26-MAY-2008 01:31:59	Dark	45.500	140	88Gam Peg	2.8340	26000.	91	32607	No
23	GOM_NL__2PRFIN20080526_014050_000000402068_00489_32607_3198.N1	26-MAY-2008 01:40:50	Dark	40.000	52	16Bet Cet	2.0370	4500.0	80	32607	No
24	GOM_NL__2PRFIN20080526_015230_000000492068_00490_32608_3184.N1	26-MAY-2008 01:52:30	Dark	49.000	63	Bet Gru	2.1500	2800.0	98	32608	No
25	GOM_NL__2PRFIN20080526_015415_000000462068_00490_32608_3185.N1	26-MAY-2008 01:54:15	Dark	45.500	31	Alp Gru	1.7340	15200.	91	32608	No
26	GOM_NL__2PRFIN20080526_015931_000000422068_00490_32608_3186.N1	26-MAY-2008 01:59:31	Dark	42.000	45	Alp Pav	1.9400	26000.	84	32608	No
27	GOM_NL__2PRFIN20080526_020607_000000442068_00490_32608_3187.N1	26-MAY-2008 02:06:07	Straylight	43.500	141	Bet Ara	2.8400	4600.0	87	32608	No
28	GOM_NL__2PRFIN20080526_020953_000000282068_00490_32608_3188.N1	26-MAY-2008 02:09:53	Straylight	28.000	38	20Eps Sgr	1.8360	11000.	56	32608	No
29	GOM_NL__2PRFIN20080526_021046_000000502068_00490_32608_3189.N1	26-MAY-2008 02:10:46	Straylight	50.000	25	35Lam Sco	1.6200	28000.	100	32608	No
30	GOM_NL__2PRFIN20080526_021243_000000522068_00490_32608_3190.N1	26-MAY-2008 02:12:43	Twilight_stray	51.500	75	26Eps Sco	2.2910	4250.0	103	32608	No
31	GOM_NL__2PRFIN20080526_021451_000000432068_00490_32608_3191.N1	26-MAY-2008 02:14:51	Twilight_stray	43.000	136	23Tau Sco	2.8220	30000.	86	32608	No
32	GOM_NL__2PRFIN20080526_021750_000000412068_00490_32608_3192.N1	26-MAY-2008 02:17:50	Bright	40.500	97	8Bet1Sco	2.5610	30000.	81	32608	No
33	GOM_NL__2PRFIN20080526_022117_000000372068_00490_32608_3193.N1	26-MAY-2008 02:21:17	Bright	37.000	104	27Bet Lib	2.6140	13100.	74	32608	No
34	GOM_NL__2PRFIN20080526_022256_000000432068_00490_32608_3194.N1	26-MAY-2008 02:22:56	Bright	42.500	120	1Del Oph	2.7340	3200.0	85	32608	No
35	GOM_NL__2PRFIN20080526_022559_000000392068_00490_32608_3195.N1	26-MAY-2008 02:25:59	Bright	38.500	102	24Alp Ser	2.6000	4250.0	77	32608	No
36	GOM_NL__2PRFIN20080526_023148_000000382068_00490_32608_3196.N1	26-MAY-2008 02:31:48	Bright	37.500	83		2.3780	11000.	75	32608	No
37	GOM_NL__2PRFIN20080526_023514_000000292068_00490_32608_3197.N1	26-MAY-2008 02:35:14	Twilight_stray	29.000	133	40Zet Her	2.8070	6000.0	58	32608	No
38	GOM_NL__2PRFIN20080526_024250_000000382068_00490_32608_3198.N1	26-MAY-2008 02:42:50	Bright	37.500	119	14Eta Dra	2.7270	4700.0	75	32608	No
39	GOM_NL__2PRFIN20080526_024508_000000382068_00490_32608_3199.N1	26-MAY-2008 02:45:08	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	32608	No
40	GOM_NL__2PRFIN20080526_025334_000000472068_00490_32608_3200.N1	26-MAY-2008 02:53:34	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	32608	No
41	GOM_NL__2PRFIN20080526_025754_000000352068_00490_32608_3201.N1	26-MAY-2008 02:57:54	Bright	34.500	76	27Gam Cas	2.3000	30000.	69	32608	No
42	GOM_NL__2PRFIN20080526_025905_000000562068_00490_32608_3202.N1	26-MAY-2008 02:59:05	Bright	56.000	68	18Alp Cas	2.2250	4500.0	112	32608	No

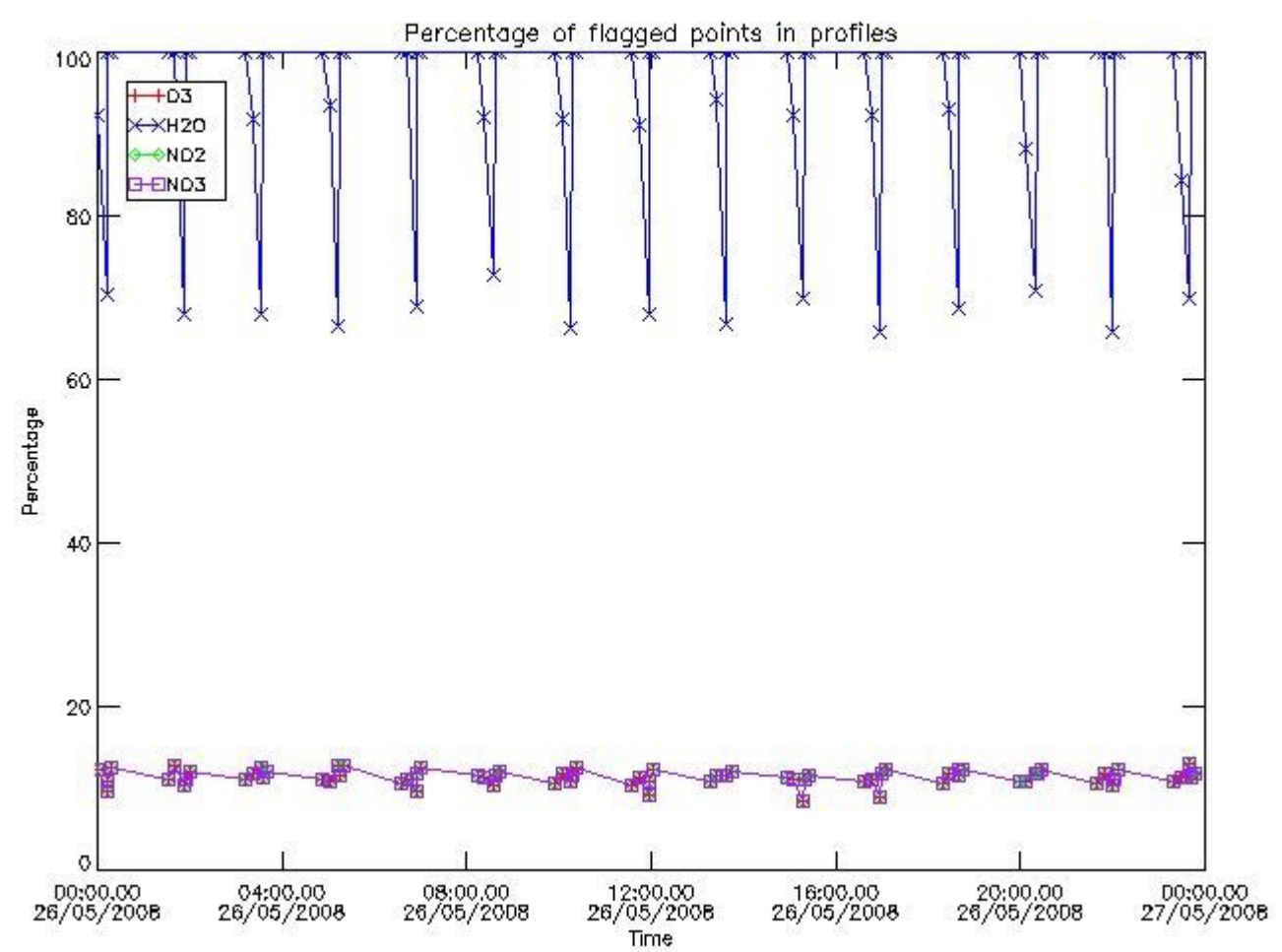








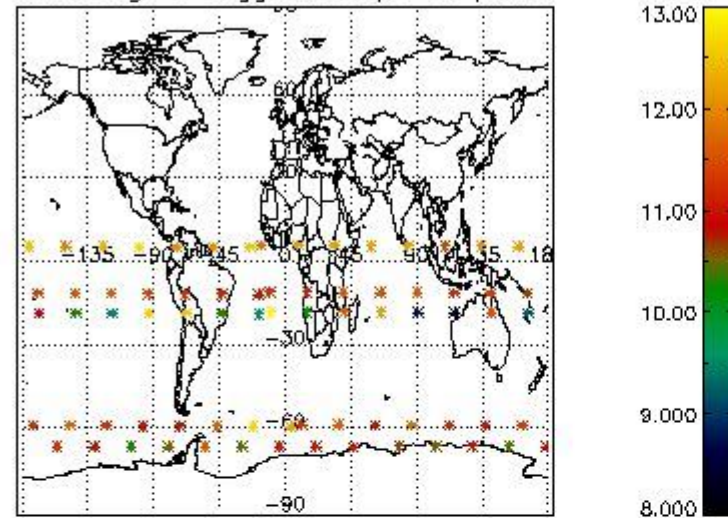




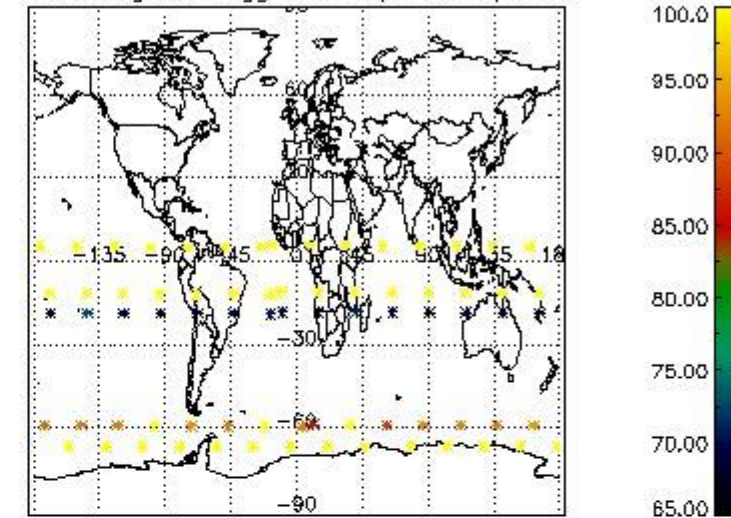
3.2 Plot quality information per product (world map)



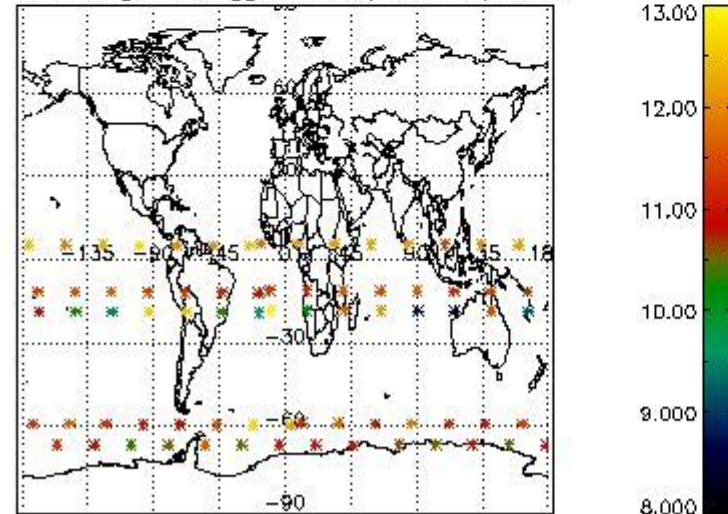
Percentage of flagged data per O3 profile



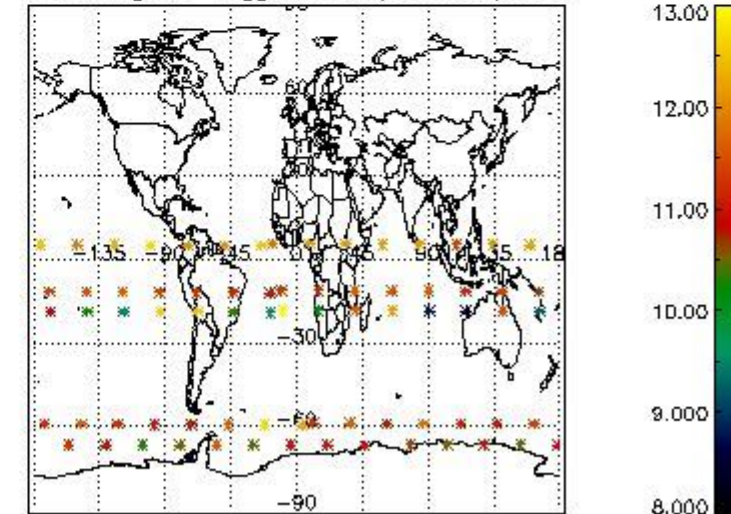
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

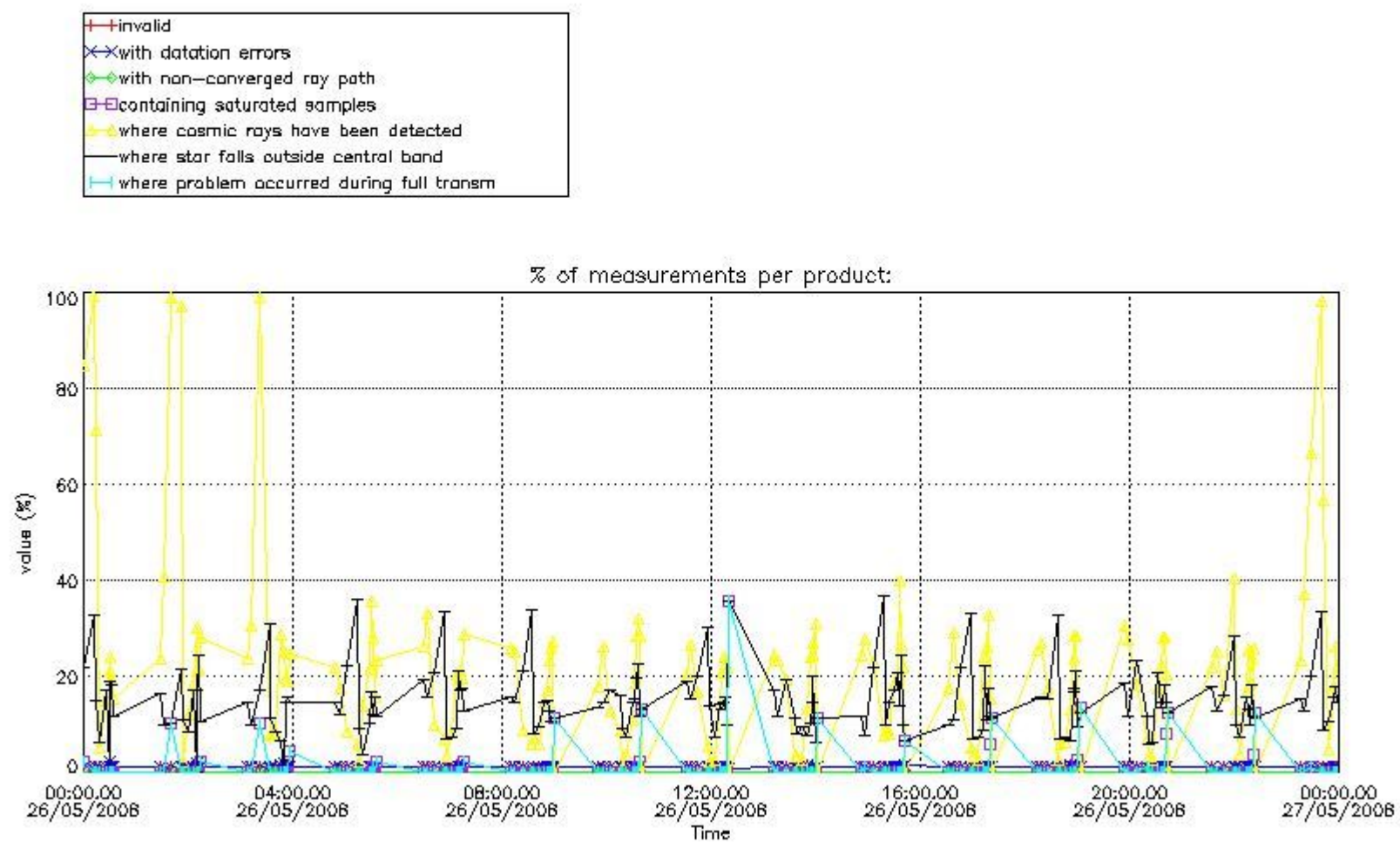


#### 4. Level 1 quality information per product

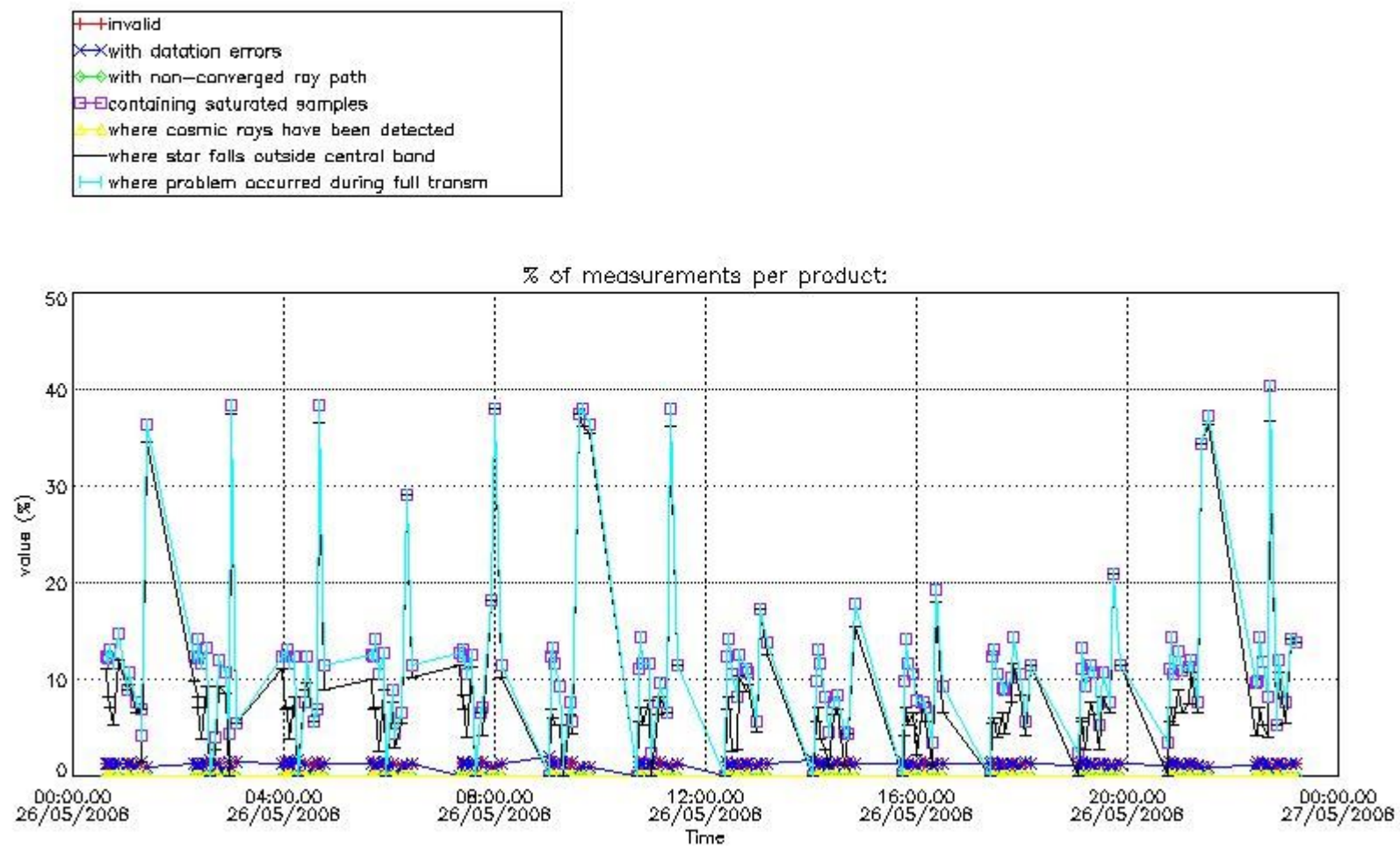
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

##### 4.1 Plot quality information per product (time dependant) coming from level 1b processing

###### 4.1.1 Plot level 1 quality information per product (time dependant): ENVISAT ASCENDING passes



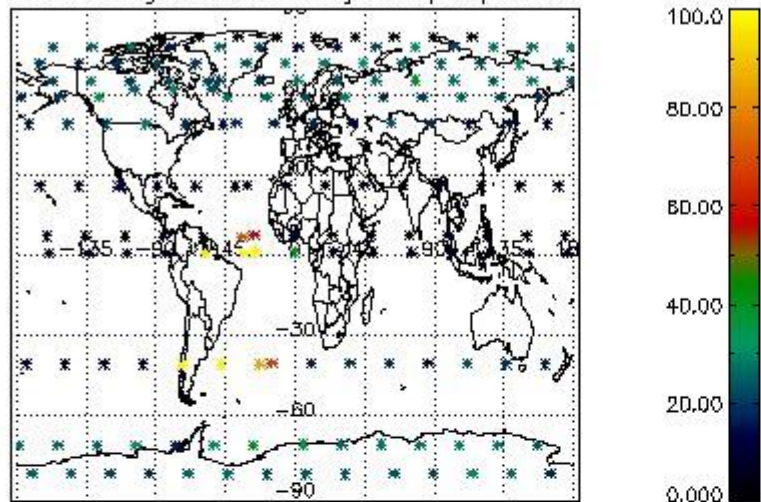
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



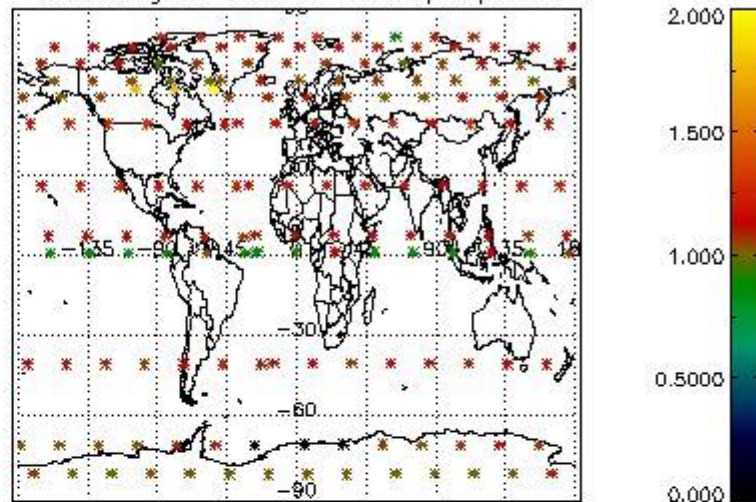
*4.2 Plot quality information per product coming from level 1b processing (world map)*

*4.2.1 Plot level 1 quality information per product (world map): ENVISAT ASCENDING passes*

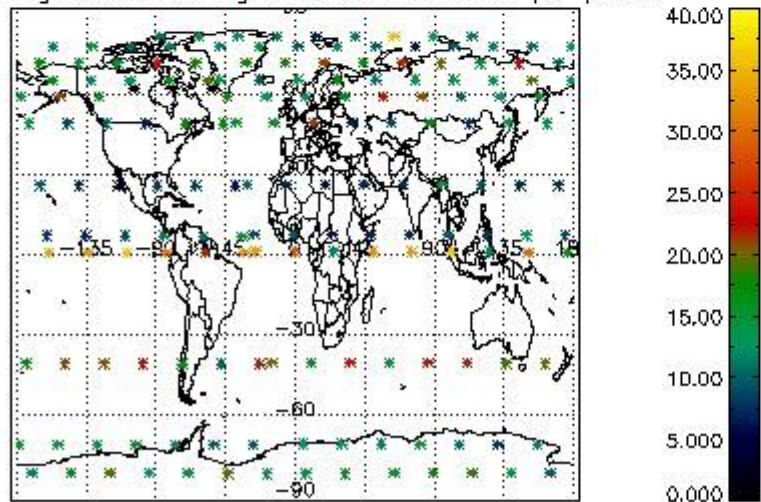
Percentage of cosmic ray hits per profile



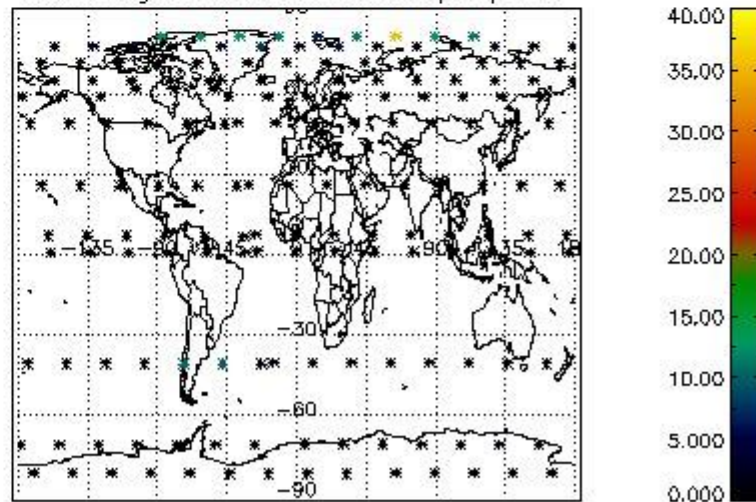
Percentage of datation errors per profile



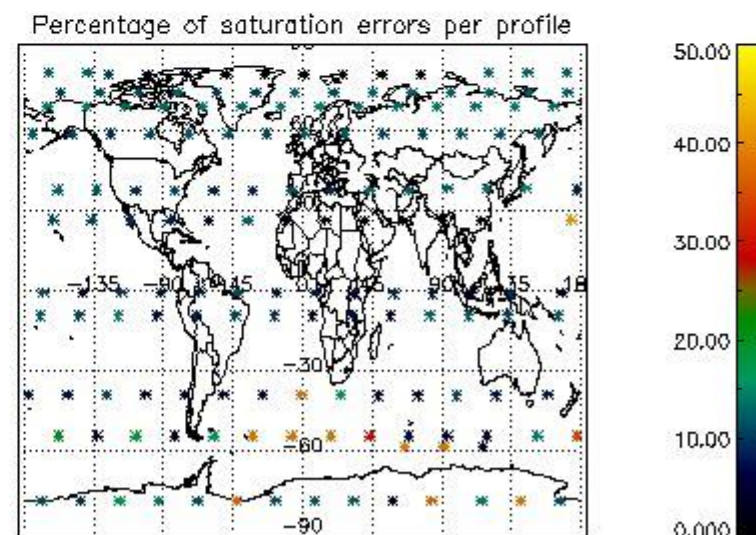
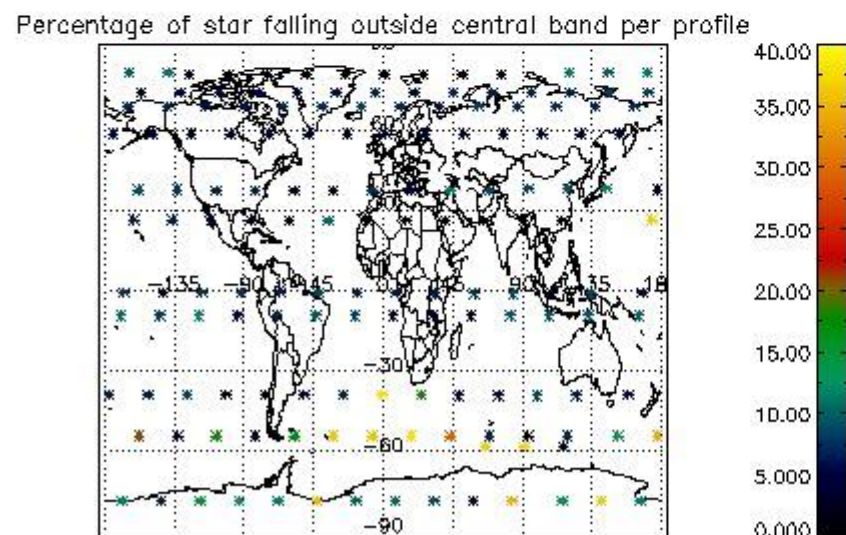
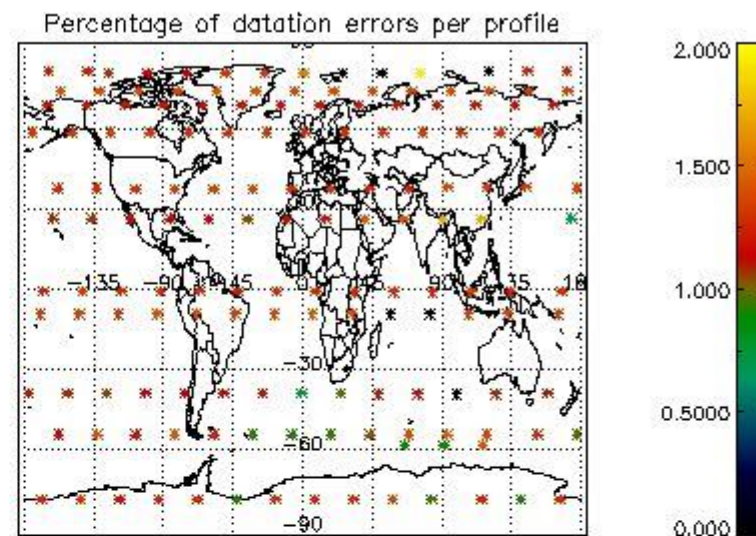
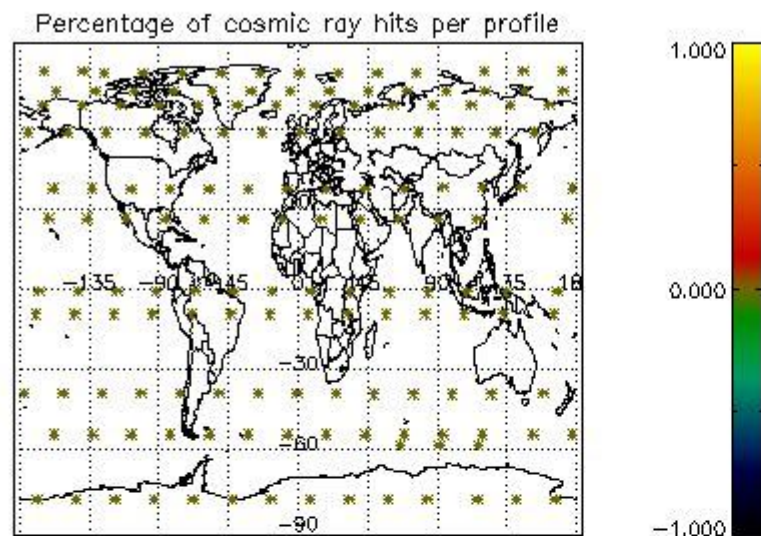
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes



## 5. Trace gas profiles

### 5.1 Ozone statistics based on quality of products

The final quality of the products can be "measured" using the STD (Standard Deviation) attached to every point profile. This information is written to the parameter GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/o3\_std of the level 2 products. The table below shows the statistics for given STD ranges.

The statistics are given with respect to the overall valid production:

- Products without fatal errors: GOM\_NL\_\_2P/MPH/PRODUCT\_ERR=0
- Valid point profile: GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/pcd(0)=0

The 'Criteria' is applied to valid points of dark limb products:

- Products in dark limb illumination condition: GOM\_NL\_\_2P/NL\_SUMMARY\_QUALITY/obs\_ill\_cond=0
- Products without fatal errors: GOM\_NL\_\_2P/MPH/PRODUCT\_ERR=0
- Valid point profile: GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/pcd(0)=0

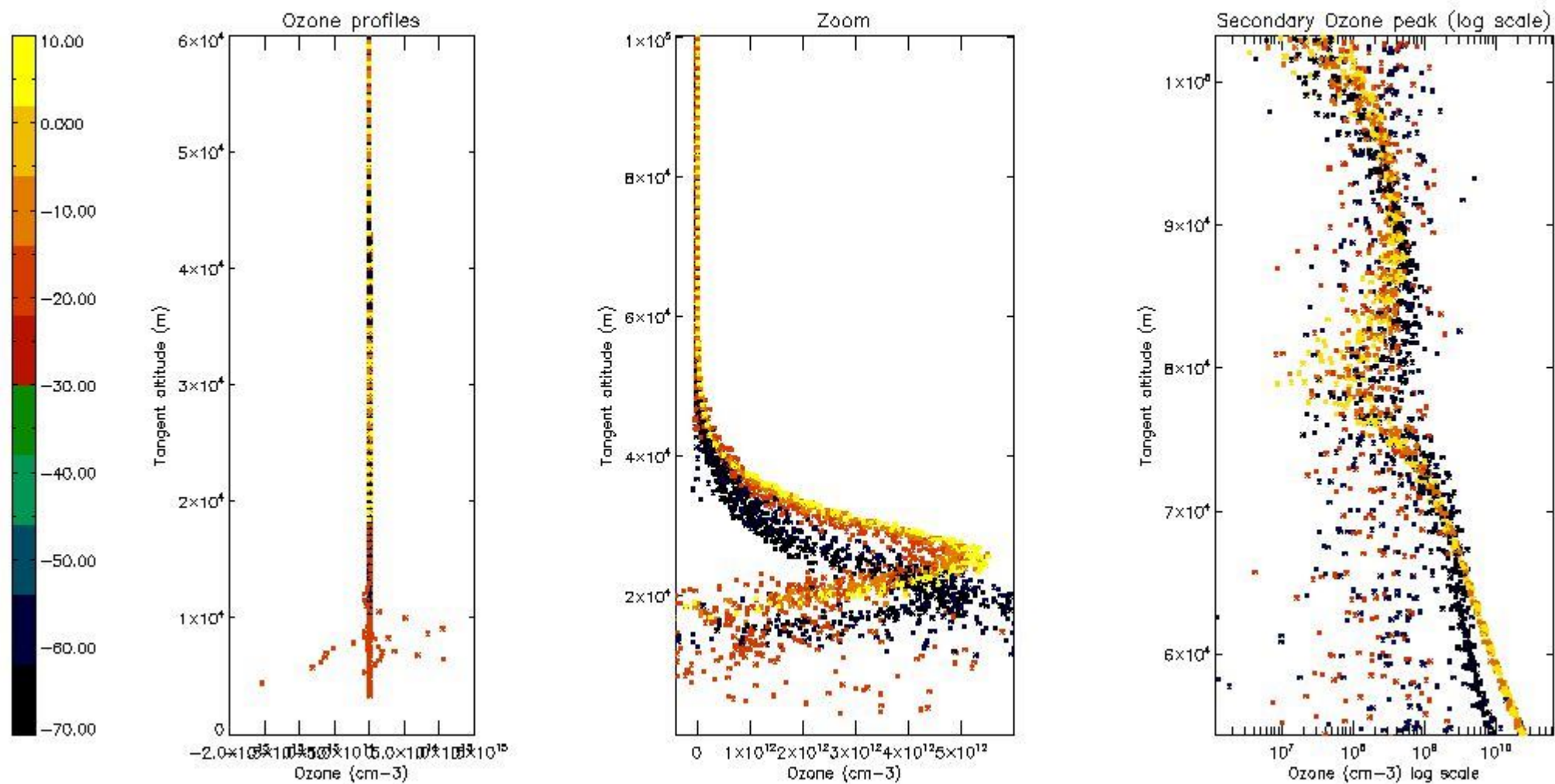
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	25
STD < 20	13

STD < 10	10
STD < 5	7

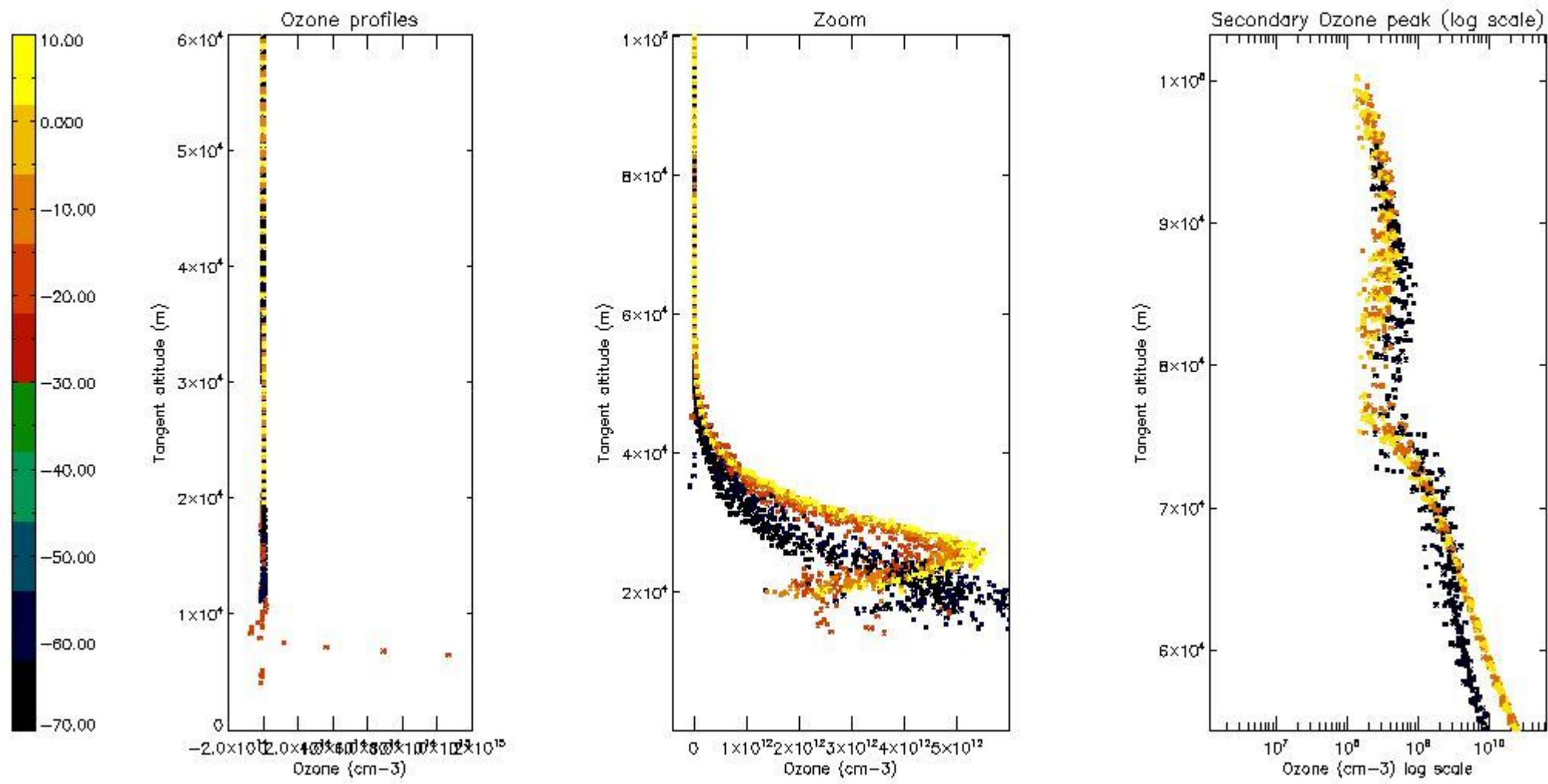
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



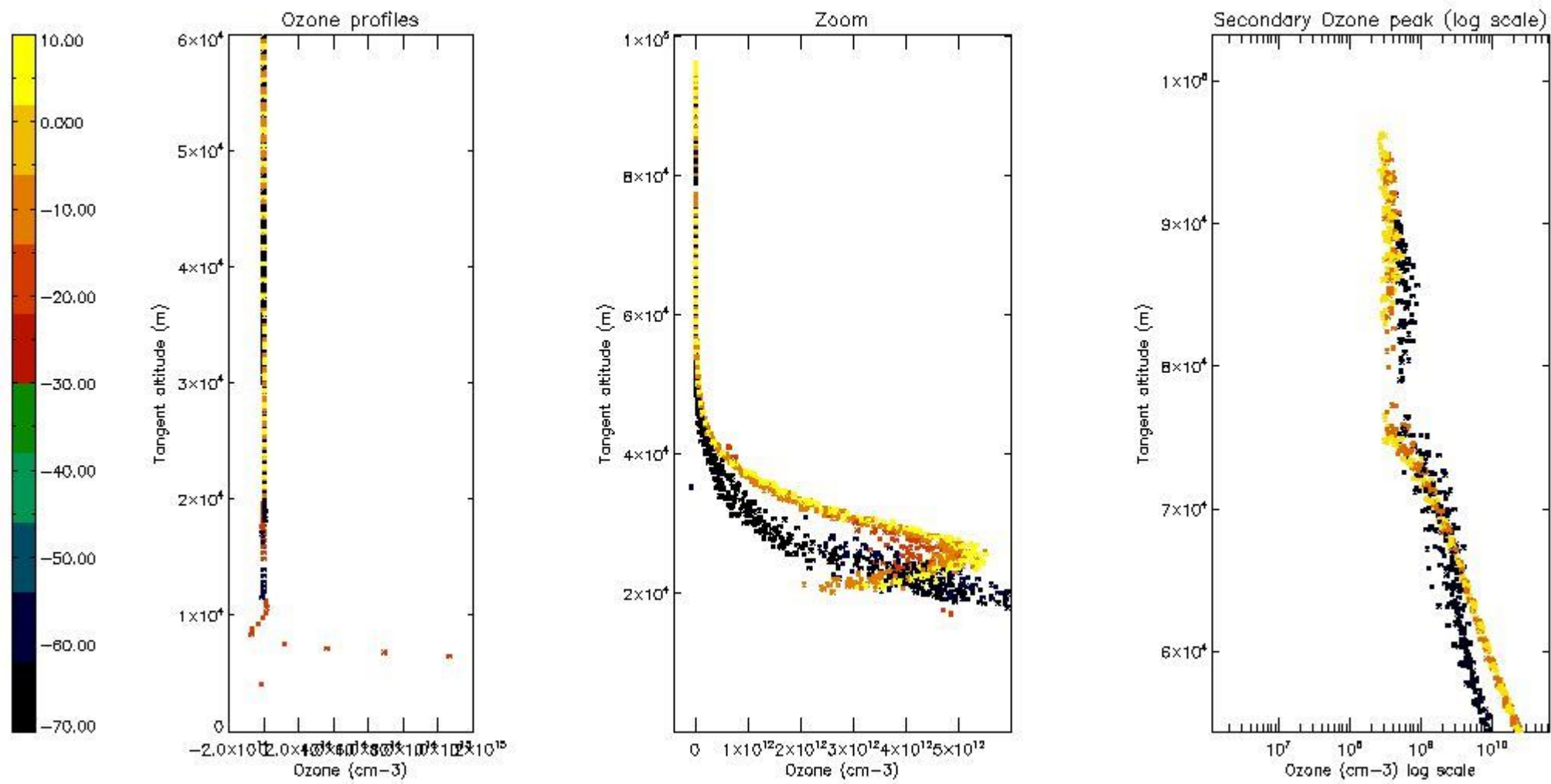
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



*5.4 Plot ozone profiles where STD < 10% (dark without errors)*

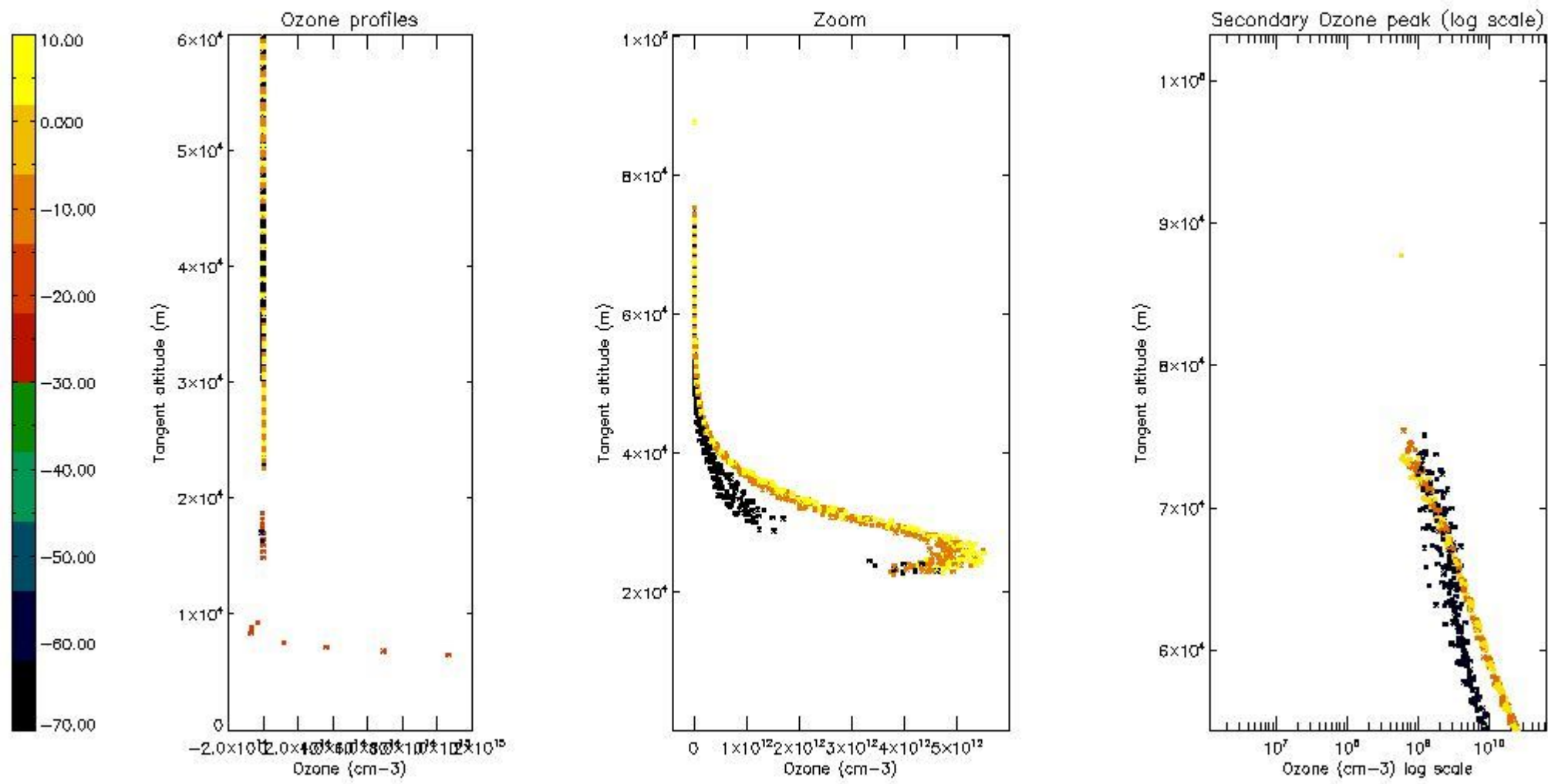
The colorbar represents the latitude.



*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

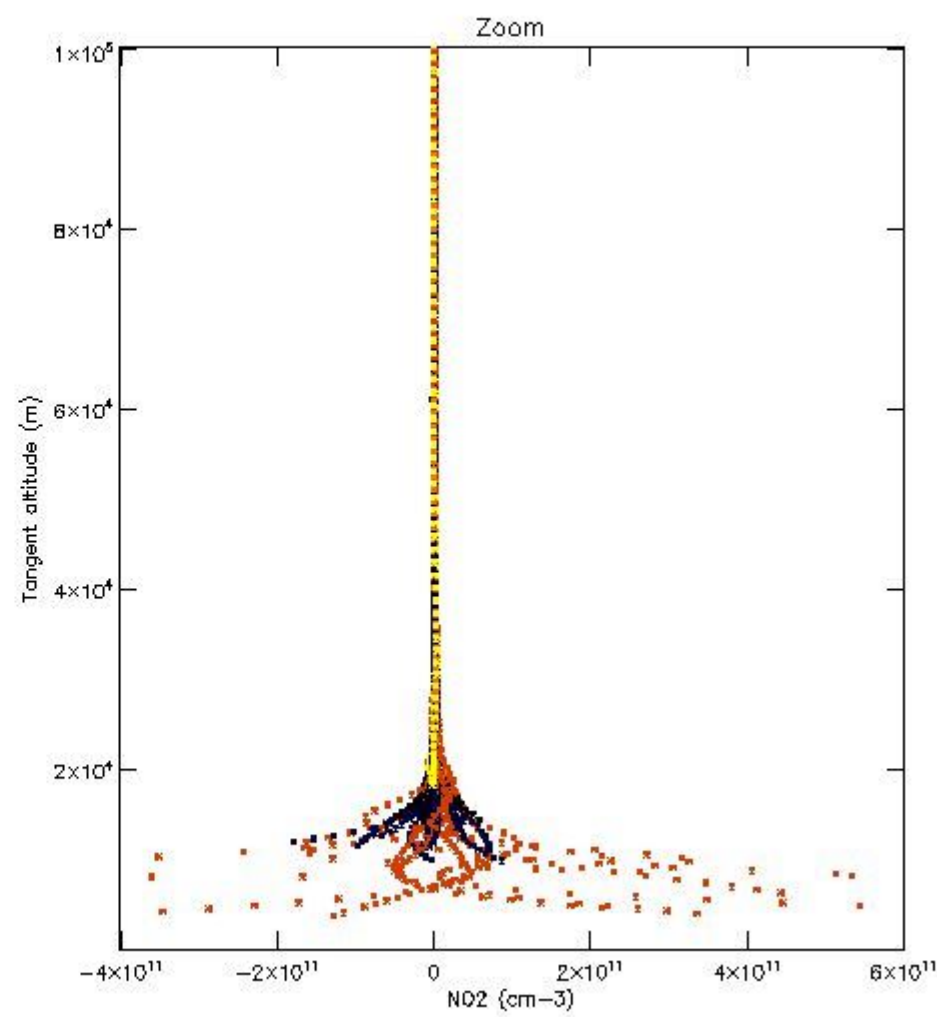
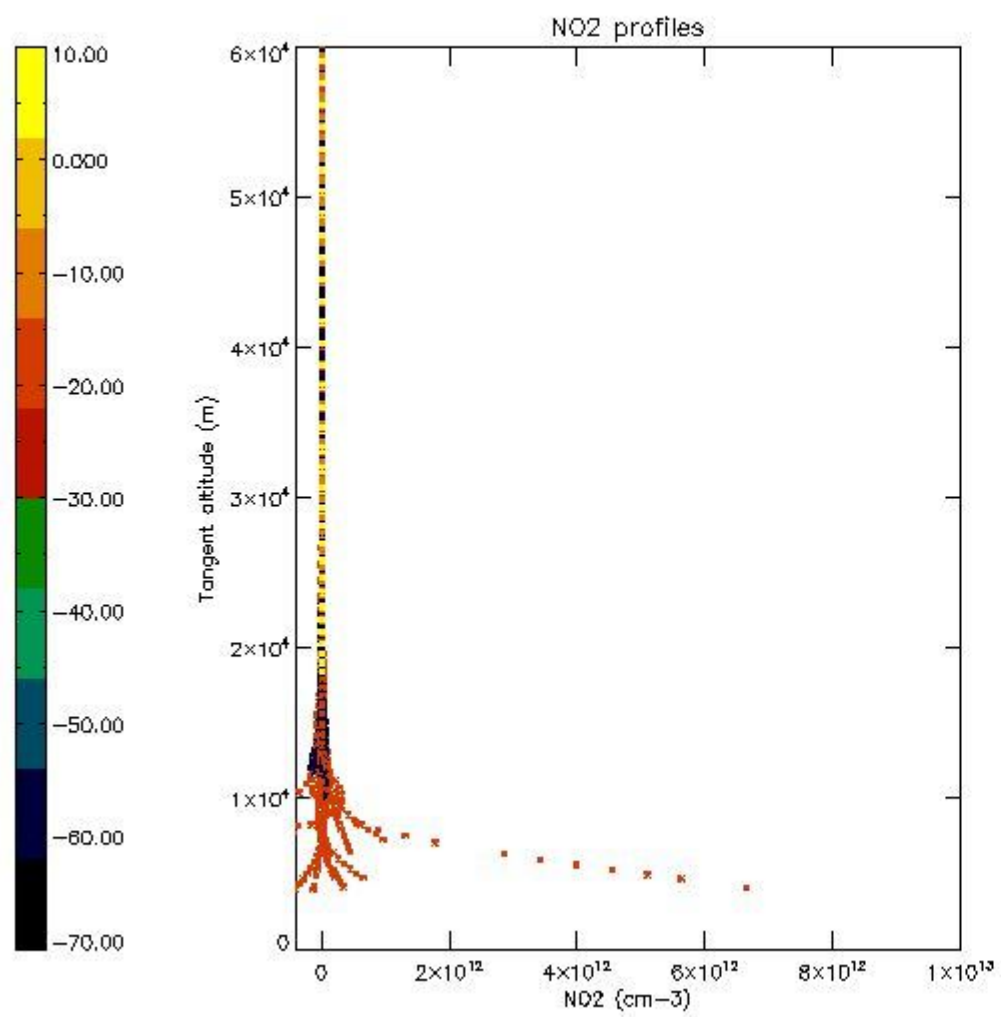
The colorbar represents the latitude.





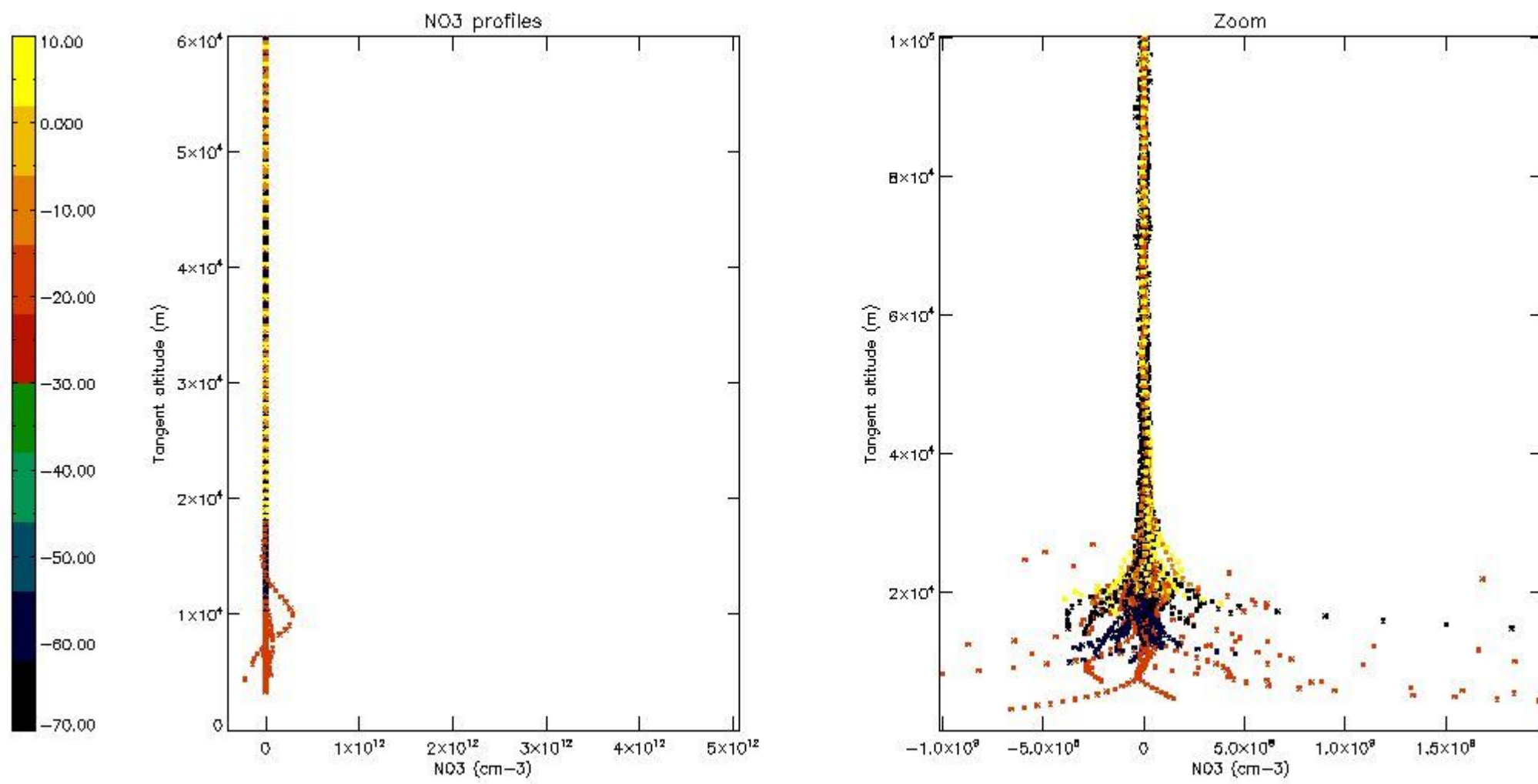
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



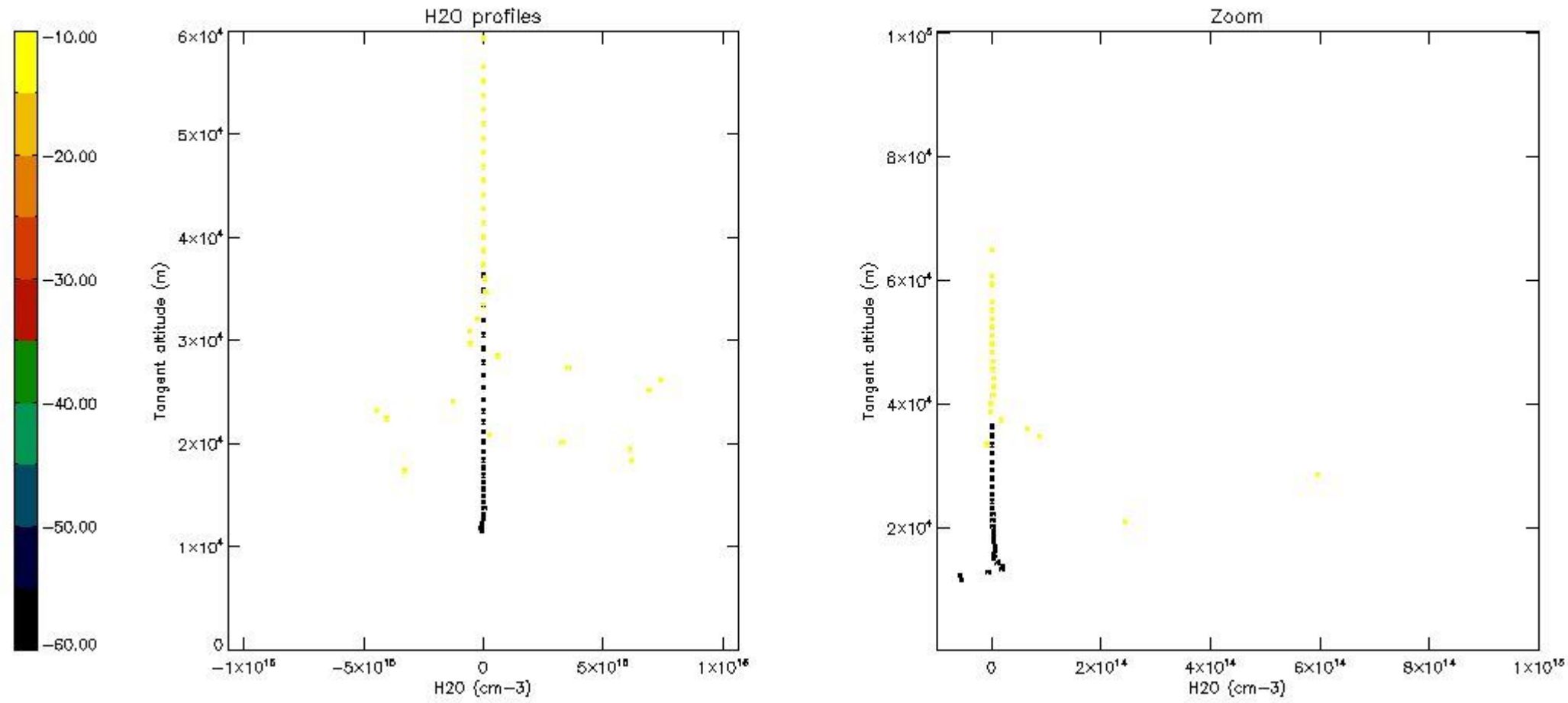
*5.7 Plot NO3 profiles for all STD (dark without errors)*

The colorbar represents the latitude.



*5.8 Plot H2O profiles for all STD (only for occultations of stars 1,2,3,4,13,14,16,26,63 dark without errors)*

The colorbar represents the latitude.



## 6. Auxiliary Data Files used for the production reported in section 2

The number reported in the third column indicates since which file (see list in section 2) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	26-MAY-2008 00:00:14
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	26-MAY-2008 00:00:14
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	26-MAY-2008 00:00:14

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#### [3.2 Plot of level 2 quality information per product \(world map\)](#)

### [4. Level 1 Quality information per product \(stored on level 2 products\)](#)

#### [4.1 Plot of level 1 quality information per product \(time dependant\)](#)

##### [4.1.1 Plot of level 1 quality information per product \(time dependant\): ASCENDING](#)

##### [4.1.2 Plot of level 1 quality information per product \(time dependant\): DESCENDING](#)

#### [4.2 Plot of level 1 quality information per product \(world map\)](#)

##### [4.2.1 Plot of level 1 quality information per product \(world map\): ASCENDING](#)

##### [4.2.2 Plot of level 1 quality information per product \(world map\): DESCENDING](#)

### [5. Ozone profiles based on quality statistics and other trace gas profiles](#)

#### [5.1 Ozone statistics based on quality of products](#)

#### [5.2 Plot ozone profiles for all STD \(dark without errors\)](#)

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#### [5.6 Plot NO2 profiles for all STD \(dark without errors\)](#)

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#### [5.8 Plot H2O profiles \(only for occultations of stars 1,2,3,4,13,14,16,26,63 dark without errors\) for all STD](#)

### [6. Auxiliary Data Files used for the production reported in section 2](#)

This report presents the daily analysis on parameters extracted from GOMOS level 2 data (GOM\_NL\_\_2P). It is intended to monitor some important parameters that will impact the quality of these products. A list of level 2 products (and content) that have arrived during the reporting day to the PCF is also given.

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Time of report generation	25APR2013 14:44:56
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Stop time of products	27-05-2008 (27MAY2008 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	326
Nb of prods with errors	0

## 2. Summary of processed GOM\_NL\_\_2P products.

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20080526_000014_000000462068_00488_32606_3188.N1	26-MAY-2008 00:00:14	Dark	45.500	52	16Bet Cet	2.0370	4500.0	91	32606	No
2	GOM_NL__2PRFIN20080526_001153_000000582068_00489_32607_3177.N1	26-MAY-2008 00:11:53	Dark	58.000	63	Bet Gru	2.1500	2800.0	116	32607	No
3	GOM_NL__2PRFIN20080526_001338_000000472068_00489_32607_3178.N1	26-MAY-2008 00:13:38	Dark	47.000	31	Alp Gru	1.7340	15200.	94	32607	No
4	GOM_NL__2PRFIN20080526_001854_000000412068_00489_32607_3179.N1	26-MAY-2008 00:18:54	Dark	40.500	45	Alp Pav	1.9400	26000.	81	32607	No
5	GOM_NL__2PRFIN20080526_002530_000000442068_00489_32607_3180.N1	26-MAY-2008 00:25:30	Straylight	43.500	141	Bet Ara	2.8400	4600.0	87	32607	No
6	GOM_NL__2PRFIN20080526_002916_000000252068_00489_32607_3181.N1	26-MAY-2008 00:29:16	Straylight	25.000	38	20Eps Sgr	1.8360	11000.	50	32607	No
7	GOM_NL__2PRFIN20080526_003010_000000502068_00489_32607_3182.N1	26-MAY-2008 00:30:10	Straylight	50.000	25	35Lam Sco	1.6200	28000.	100	32607	No
8	GOM_NL__2PRFIN20080526_003207_000000472068_00489_32607_3183.N1	26-MAY-2008 00:32:07	Twilight_stray	47.000	75	26Eps Sco	2.2910	4250.0	94	32607	No
9	GOM_NL__2PRFIN20080526_003415_000000432068_00489_32607_3184.N1	26-MAY-2008 00:34:15	Twilight_stray	43.000	136	23Tau Sco	2.8220	30000.	86	32607	No
10	GOM_NL__2PRFIN20080526_003714_000000412068_00489_32607_3185.N1	26-MAY-2008 00:37:14	Bright	40.500	97	8Bet1Sco	2.5610	30000.	81	32607	No
11	GOM_NL__2PRFIN20080526_004041_000000372068_00489_32607_3186.N1	26-MAY-2008 00:40:41	Bright	37.000	104	27Bet Lib	2.6140	13100.	74	32607	No
12	GOM_NL__2PRFIN20080526_004220_000000422068_00489_32607_3187.N1	26-MAY-2008 00:42:20	Bright	42.000	120	1Del Oph	2.7340	3200.0	84	32607	No
13	GOM_NL__2PRFIN20080526_004523_000000392068_00489_32607_3188.N1	26-MAY-2008 00:45:23	Bright	38.500	102	24Alp Ser	2.6000	4250.0	77	32607	No
14	GOM_NL__2PRFIN20080526_005112_000000382068_00489_32607_3189.N1	26-MAY-2008 00:51:12	Bright	37.500	83		2.3780	11000.	75	32607	No
15	GOM_NL__2PRFIN20080526_010214_000000402068_00489_32607_3190.N1	26-MAY-2008 01:02:14	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	32607	No
16	GOM_NL__2PRFIN20080526_010433_000000372068_00489_32607_3191.N1	26-MAY-2008 01:04:33	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	32607	No
17	GOM_NL__2PRFIN20080526_011258_000000462068_00489_32607_3192.N1	26-MAY-2008 01:12:58	Bright	46.000	89	5Alp Cep	2.4510	8000.0	92	32607	No
18	GOM_NL__2PRFIN20080526_011718_000000372068_00489_32607_3193.N1	26-MAY-2008 01:17:18	Bright	36.500	76	27Gam Cas	2.3000	30000.	73	32607	No
19	GOM_NL__2PRFIN20080526_011830_000000362068_00489_32607_3194.N1	26-MAY-2008 01:18:30	Bright	35.500	68	18Alp Cas	2.2250	4500.0	71	32607	No
20	GOM_NL__2PRFIN20080526_012448_000000542068_00489_32607_3195.N1	26-MAY-2008 01:24:48	Bright	53.500	53	43Bet And	2.0480	3300.0	107	32607	No
21	GOM_NL__2PRFIN20080526_012723_000000492068_00489_32607_3196.N1	26-MAY-2008 01:27:23	Twilight_stray	49.000	58	21Alp And	2.0730	11000.	98	32607	No
22	GOM_NL__2PRFIN20080526_013159_000000462068_00489_32607_3197.N1	26-MAY-2008 01:31:59	Dark	45.500	140	88Gam Peg	2.8340	26000.	91	32607	No
23	GOM_NL__2PRFIN20080526_014050_000000402068_00489_32607_3198.N1	26-MAY-2008 01:40:50	Dark	40.000	52	16Bet Cet	2.0370	4500.0	80	32607	No
24	GOM_NL__2PRFIN20080526_015230_000000492068_00490_32608_3184.N1	26-MAY-2008 01:52:30	Dark	49.000	63	Bet Gru	2.1500	2800.0	98	32608	No
25	GOM_NL__2PRFIN20080526_015415_000000462068_00490_32608_3185.N1	26-MAY-2008 01:54:15	Dark	45.500	31	Alp Gru	1.7340	15200.	91	32608	No
26	GOM_NL__2PRFIN20080526_015931_000000422068_00490_32608_3186.N1	26-MAY-2008 01:59:31	Dark	42.000	45	Alp Pav	1.9400	26000.	84	32608	No
27	GOM_NL__2PRFIN20080526_020607_000000442068_00490_32608_3187.N1	26-MAY-2008 02:06:07	Straylight	43.500	141	Bet Ara	2.8400	4600.0	87	32608	No
28	GOM_NL__2PRFIN20080526_020953_000000282068_00490_32608_3188.N1	26-MAY-2008 02:09:53	Straylight	28.000	38	20Eps Sgr	1.8360	11000.	56	32608	No
29	GOM_NL__2PRFIN20080526_021046_000000502068_00490_32608_3189.N1	26-MAY-2008 02:10:46	Straylight	50.000	25	35Lam Sco	1.6200	28000.	100	32608	No
30	GOM_NL__2PRFIN20080526_021243_000000522068_00490_32608_3190.N1	26-MAY-2008 02:12:43	Twilight_stray	51.500	75	26Eps Sco	2.2910	4250.0	103	32608	No
31	GOM_NL__2PRFIN20080526_021451_000000432068_00490_32608_3191.N1	26-MAY-2008 02:14:51	Twilight_stray	43.000	136	23Tau Sco	2.8220	30000.	86	32608	No
32	GOM_NL__2PRFIN20080526_021750_000000412068_00490_32608_3192.N1	26-MAY-2008 02:17:50	Bright	40.500	97	8Bet1Sco	2.5610	30000.	81	32608	No
33	GOM_NL__2PRFIN20080526_022117_000000372068_00490_32608_3193.N1	26-MAY-2008 02:21:17	Bright	37.000	104	27Bet Lib	2.6140	13100.	74	32608	No
34	GOM_NL__2PRFIN20080526_022256_000000432068_00490_32608_3194.N1	26-MAY-2008 02:22:56	Bright	42.500	120	1Del Oph	2.7340	3200.0	85	32608	No
35	GOM_NL__2PRFIN20080526_022559_000000392068_00490_32608_3195.N1	26-MAY-2008 02:25:59	Bright	38.500	102	24Alp Ser	2.6000	4250.0	77	32608	No
36	GOM_NL__2PRFIN20080526_023148_000000382068_00490_32608_3196.N1	26-MAY-2008 02:31:48	Bright	37.500	83		2.3780	11000.	75	32608	No
37	GOM_NL__2PRFIN20080526_023514_000000292068_00490_32608_3197.N1	26-MAY-2008 02:35:14	Twilight_stray	29.000	133	40Zet Her	2.8070	6000.0	58	32608	No
38	GOM_NL__2PRFIN20080526_024250_000000382068_00490_32608_3198.N1	26-MAY-2008 02:42:50	Bright	37.500	119	14Eta Dra	2.7270	4700.0	75	32608	No
39	GOM_NL__2PRFIN20080526_024508_000000382068_00490_32608_3199.N1	26-MAY-2008 02:45:08	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	32608	No
40	GOM_NL__2PRFIN20080526_025334_000000472068_00490_32608_3200.N1	26-MAY-2008 02:53:34	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	32608	No
41	GOM_NL__2PRFIN20080526_025754_000000352068_00490_32608_3201.N1	26-MAY-2008 02:57:54	Bright	34.500	76	27Gam Cas	2.3000	30000.	69	32608	No
42	GOM_NL__2PRFIN20080526_025905_000000562068_00490_32608_3202.N1	26-MAY-2008 02:59:05	Bright	56.000	68	18Alp Cas	2.2250	4500.0	112	32608	No

43	GOM_NL__2PRFIN20080526_030525_000000372068_00490_32608_3203.N1	26-MAY-2008 03:05:25	Bright	36.500	53	43Bet And	2.0480	3300.0	73	32608	No
44	GOM_NL__2PRFIN20080526_030759_000000492068_00490_32608_3204.N1	26-MAY-2008 03:07:59	Tw_i_and_stray	48.500	58	21Alp And	2.0730	11000.	97	32608	No
45	GOM_NL__2PRFIN20080526_031235_000000462068_00490_32608_3205.N1	26-MAY-2008 03:12:35	Dark	46.000	140	88Gam Peg	2.8340	26000.	92	32608	No
46	GOM_NL__2PRFIN20080526_032127_000000442068_00490_32608_3206.N1	26-MAY-2008 03:21:27	Dark	43.500	52	16Bet Cet	2.0370	4500.0	87	32608	No
47	GOM_NL__2PRFIN20080526_033307_000000572068_00491_32609_3188.N1	26-MAY-2008 03:33:07	Dark	56.500	63	Bet Gru	2.1500	2800.0	113	32609	No
48	GOM_NL__2PRFIN20080526_033452_000000452068_00491_32609_3189.N1	26-MAY-2008 03:34:52	Dark	45.000	31	Alp Gru	1.7340	15200.	90	32609	No
49	GOM_NL__2PRFIN20080526_034008_000000422068_00491_32609_3190.N1	26-MAY-2008 03:40:08	Dark	42.000	45	Alp Pav	1.9400	26000.	84	32609	No
50	GOM_NL__2PRFIN20080526_034643_000000392068_00491_32609_3191.N1	26-MAY-2008 03:46:43	Straylight	38.500	141	Bet Ara	2.8400	4600.0	77	32609	No
51	GOM_NL__2PRFIN20080526_035030_000000282068_00491_32609_3192.N1	26-MAY-2008 03:50:30	Straylight	28.000	38	20Eps Sgr	1.8360	11000.	56	32609	No
52	GOM_NL__2PRFIN20080526_035123_000000482068_00491_32609_3193.N1	26-MAY-2008 03:51:23	Straylight	48.000	25	35Lam Sco	1.6200	28000.	96	32609	No
53	GOM_NL__2PRFIN20080526_035320_000000452068_00491_32609_3194.N1	26-MAY-2008 03:53:20	Tw_i_and_stray	45.000	75	26Eps Sco	2.2910	4250.0	90	32609	No
54	GOM_NL__2PRFIN20080526_035528_000000452068_00491_32609_3195.N1	26-MAY-2008 03:55:28	Tw_i_and_stray	44.500	136	23Tau Sco	2.8220	30000.	89	32609	No
55	GOM_NL__2PRFIN20080526_035826_000000412068_00491_32609_3196.N1	26-MAY-2008 03:58:26	Bright	40.500	97	8Bet1Sco	2.5610	30000.	81	32609	No
56	GOM_NL__2PRFIN20080526_040153_000000372068_00491_32609_3197.N1	26-MAY-2008 04:01:53	Bright	36.500	104	27Bet Lib	2.6140	13100.	73	32609	No
57	GOM_NL__2PRFIN20080526_040332_000000422068_00491_32609_3198.N1	26-MAY-2008 04:03:32	Bright	42.000	120	1Del Oph	2.7340	3200.0	84	32609	No
58	GOM_NL__2PRFIN20080526_040635_000000392068_00491_32609_3199.N1	26-MAY-2008 04:06:35	Bright	38.500	102	24Alp Ser	2.6000	4250.0	77	32609	No
59	GOM_NL__2PRFIN20080526_041224_000000372068_00491_32609_3200.N1	26-MAY-2008 04:12:24	Bright	36.500	83		2.3780	11000.	73	32609	No
60	GOM_NL__2PRFIN20080526_041549_000000292068_00491_32609_3201.N1	26-MAY-2008 04:15:49	Tw_i_and_stray	29.000	133	40Zet Her	2.8070	6000.0	58	32609	No
61	GOM_NL__2PRFIN20080526_042325_000000402068_00491_32609_3202.N1	26-MAY-2008 04:23:25	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	32609	No
62	GOM_NL__2PRFIN20080526_042544_000000372068_00491_32609_3203.N1	26-MAY-2008 04:25:44	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	32609	No
63	GOM_NL__2PRFIN20080526_043409_000000452068_00491_32609_3204.N1	26-MAY-2008 04:34:09	Bright	45.000	89	5Alp Cep	2.4510	8000.0	90	32609	No
64	GOM_NL__2PRFIN20080526_043830_000000362068_00491_32609_3205.N1	26-MAY-2008 04:38:30	Bright	36.000	76	27Gam Cas	2.3000	30000.	72	32609	No
65	GOM_NL__2PRFIN20080526_043941_000000562068_00491_32609_3206.N1	26-MAY-2008 04:39:41	Bright	56.000	68	18Alp Cas	2.2250	4500.0	112	32609	No
66	GOM_NL__2PRFIN20080526_044601_000000392068_00491_32609_3207.N1	26-MAY-2008 04:46:01	Bright	39.000	53	43Bet And	2.0480	3300.0	78	32609	No
67	GOM_NL__2PRFIN20080526_044836_000000492068_00491_32609_3208.N1	26-MAY-2008 04:48:36	Tw_i_and_stray	48.500	58	21Alp And	2.0730	11000.	97	32609	No
68	GOM_NL__2PRFIN20080526_045311_000000462068_00491_32609_3209.N1	26-MAY-2008 04:53:11	Dark	46.000	140	88Gam Peg	2.8340	26000.	92	32609	No
69	GOM_NL__2PRFIN20080526_050203_000000472068_00491_32609_3210.N1	26-MAY-2008 05:02:03	Dark	47.000	52	16Bet Cet	2.0370	4500.0	94	32609	No
70	GOM_NL__2PRFIN20080526_051344_000000602068_00492_32610_3205.N1	26-MAY-2008 05:13:44	Dark	60.000	63	Bet Gru	2.1500	2800.0	120	32610	No
71	GOM_NL__2PRFIN20080526_051529_000000452068_00492_32610_3206.N1	26-MAY-2008 05:15:29	Dark	44.500	31	Alp Gru	1.7340	15200.	89	32610	No
72	GOM_NL__2PRFIN20080526_052044_000000402068_00492_32610_3207.N1	26-MAY-2008 05:20:44	Dark	40.000	45	Alp Pav	1.9400	26000.	80	32610	No
73	GOM_NL__2PRFIN20080526_052719_000000402068_00492_32610_3208.N1	26-MAY-2008 05:27:19	Straylight	39.500	141	Bet Ara	2.8400	4600.0	79	32610	No
74	GOM_NL__2PRFIN20080526_053010_000000482068_00492_32610_3209.N1	26-MAY-2008 05:30:10	Straylight	47.500	40	The Sco	1.8590	7100.0	95	32610	No
75	GOM_NL__2PRFIN20080526_053200_000000472068_00492_32610_3210.N1	26-MAY-2008 05:32:00	Straylight	46.500	25	35Lam Sco	1.6200	28000.	93	32610	No
76	GOM_NL__2PRFIN20080526_053356_000000452068_00492_32610_3211.N1	26-MAY-2008 05:33:56	Tw_i_and_stray	45.000	75	26Eps Sco	2.2910	4250.0	90	32610	No
77	GOM_NL__2PRFIN20080526_053604_000000432068_00492_32610_3212.N1	26-MAY-2008 05:36:04	Tw_i_and_stray	43.000	136	23Tau Sco	2.8220	30000.	86	32610	No
78	GOM_NL__2PRFIN20080526_053903_000000402068_00492_32610_3213.N1	26-MAY-2008 05:39:03	Bright	40.000	97	8Bet1Sco	2.5610	30000.	80	32610	No
79	GOM_NL__2PRFIN20080526_054229_000000372068_00492_32610_3214.N1	26-MAY-2008 05:42:29	Bright	36.500	104	27Bet Lib	2.6140	13100.	73	32610	No
80	GOM_NL__2PRFIN20080526_054408_000000432068_00492_32610_3215.N1	26-MAY-2008 05:44:08	Bright	42.500	120	1Del Oph	2.7340	3200.0	85	32610	No
81	GOM_NL__2PRFIN20080526_054711_000000382068_00492_32610_3216.N1	26-MAY-2008 05:47:11	Bright	38.000	102	24Alp Ser	2.6000	4250.0	76	32610	No
82	GOM_NL__2PRFIN20080526_055313_000000402068_00492_32610_3217.N1	26-MAY-2008 05:53:13	Bright	39.500	67	5Alp CrB	2.2210	11000.	79	32610	No
83	GOM_NL__2PRFIN20080526_055625_000000352068_00492_32610_3218.N1	26-MAY-2008 05:56:25	Bright	35.000	133	40Zet Her	2.8070	6000.0	70	32610	No
84	GOM_NL__2PRFIN20080526_060401_000000402068_00492_32610_3219.N1	26-MAY-2008 06:04:01	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	32610	No
85	GOM_NL__2PRFIN20080526_060620_000000342068_00492_32610_3220.N1	26-MAY-2008 06:06:20	Bright	34.000	60	7Bet UMi	2.0810	3950.0	68	32610	No
86	GOM_NL__2PRFIN20080526_061445_000000462068_00492_32610_3221.N1	26-MAY-2008 06:14:45	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	32610	No
87	GOM_NL__2PRFIN20080526_061906_000000482068_00492_32610_3222.N1	26-MAY-2008 06:19:06	Bright	48.000	76	27Gam Cas	2.3000	30000.	96	32610	No
88	GOM_NL__2PRFIN20080526_062637_000000402068_00492_32610_3223.N1	26-MAY-2008 06:26:37	Bright	39.500	53	43Bet And	2.0480	3300.0	79	32610	No
89	GOM_NL__2PRFIN20080526_062912_000000522068_00492_32610_3224.N1	26-MAY-2008 06:29:12	Tw_i_and_stray	51.500	58	21Alp And	2.0730	11000.	103	32610	No
90	GOM_NL__2PRFIN20080526_063348_000000492068_00492_32610_3225.N1	26-MAY-2008 06:33:48	Dark	48.500	140	88Gam Peg	2.8340	26000.	97	32610	No
91	GOM_NL__2PRFIN20080526_064240_000000462068_00492_32610_3226.N1	26-MAY-2008 06:42:40	Dark	46.000	52	16Bet Cet	2.0370	4500.0	92	32610	No
92	GOM_NL__2PRFIN20080526_065420_000000592068_00493_32611_3213.N1	26-MAY-2008 06:54:20	Dark	58.500	63	Bet Gru	2.1500	2800.0	117	32611	No
93	GOM_NL__2PRFIN20080526_065606_000000442068_00493_32611_3214.N1	26-MAY-2008 06:56:06	Dark	43.500	31	Alp Gru	1.7340	15200.	87	32611	No
94	GOM_NL__2PRFIN20080526_070121_000000412068_00493_32611_3215.N1	26-MAY-2008 07:01:21	Dark	41.000	45	Alp Pav	1.9400	26000.	82	32611	No
95	GOM_NL__2PRFIN20080526_070756_000000392068_00493_32611_3216.N1	26-MAY-2008 07:07:56	Straylight	39.000	141	Bet Ara	2.8400	4600.0	78	32611	No
96	GOM_NL__2PRFIN20080526_071046_000000502068_00493_32611_3217.N1	26-MAY-2008 07:10:46	Straylight	49.500	40	The Sco	1.8590	7100.0	99	32611	No
97	GOM_NL__2PRFIN20080526_071236_000000502068_00493_32611_3218.N1	26-MAY-2008 07:12:36	Straylight	49.500	25	35Lam Sco	1.6200	28000.	99	32611	No
98	GOM_NL__2PRFIN20080526_071432_000000462068_00493_32611_3219.N1	26-MAY-2008 07:14:32	Tw_i_and_stray	45.500	75	26Eps Sco	2.2910	4250.0	91	32611	No
99	GOM_NL__2PRFIN20080526_071640_000000442068_00493_32611_3220.N1	26-MAY-2008 07:16:40	Tw_i_and_stray	43.500	136	23Tau Sco	2.8220	30000.	87	32611	No
100	GOM_NL__2PRFIN20080526_071939_000000402068_00493_32611_3221.N1	26-MAY-2008 07:19:39	Bright	39.500	97	8Bet1Sco	2.5610	30000.	79	32611	No
101	GOM_NL__2PRFIN20080526_072305_000000372068_00493_32611_3222.N1	26-MAY-2008 07:23:05	Bright	36.500	104	27Bet Lib	2.6140	13100.	73	32611	No

102	GOM_NL__2PRFIN20080526_072444_00000422068_00493_32611_3223.N1	26-MAY-2008 07:24:44	Bright	42.000	120	1Del Oph	2.7340	3200.0	84	32611	No
103	GOM_NL__2PRFIN20080526_072746_00000382068_00493_32611_3224.N1	26-MAY-2008 07:27:46	Bright	38.000	102	24Alp Ser	2.6000	4250.0	76	32611	No
104	GOM_NL__2PRFIN20080526_073349_00000402068_00493_32611_3225.N1	26-MAY-2008 07:33:49	Bright	40.000	67	5Alp CrB	2.2210	11000.	80	32611	No
105	GOM_NL__2PRFIN20080526_073700_00000352068_00493_32611_3226.N1	26-MAY-2008 07:37:00	Bright	35.000	133	40Zet Her	2.8070	6000.0	70	32611	No
106	GOM_NL__2PRFIN20080526_074437_00000392068_00493_32611_3227.N1	26-MAY-2008 07:44:37	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	32611	No
107	GOM_NL__2PRFIN20080526_074656_00000362068_00493_32611_3228.N1	26-MAY-2008 07:46:56	Bright	35.500	60	7Bet UMi	2.0810	3950.0	71	32611	No
108	GOM_NL__2PRFIN20080526_075520_00000522068_00493_32611_3229.N1	26-MAY-2008 07:55:20	Bright	52.000	89	5Alp Cep	2.4510	8000.0	104	32611	No
109	GOM_NL__2PRFIN20080526_075942_00000542068_00493_32611_3230.N1	26-MAY-2008 07:59:42	Bright	54.000	76	27Gam Cas	2.3000	30000.	108	32611	No
110	GOM_NL__2PRFIN20080526_080713_00000402068_00493_32611_3231.N1	26-MAY-2008 08:07:13	Bright	39.500	53	43Bet And	2.0480	3300.0	79	32611	No
111	GOM_NL__2PRFIN20080526_080948_00000492068_00493_32611_3232.N1	26-MAY-2008 08:09:48	Twi_and_stray	48.500	58	21Alp And	2.0730	11000.	97	32611	No
112	GOM_NL__2PRFIN20080526_081424_00000482068_00493_32611_3233.N1	26-MAY-2008 08:14:24	Dark	48.000	140	88Gam Peg	2.8340	26000.	96	32611	No
113	GOM_NL__2PRFIN20080526_082316_00000452068_00493_32611_3234.N1	26-MAY-2008 08:23:16	Dark	45.000	52	16Bet Cet	2.0370	4500.0	90	32611	No
114	GOM_NL__2PRFIN20080526_083457_00000592068_00494_32612_3219.N1	26-MAY-2008 08:34:57	Dark	59.000	63	Bet Gru	2.1500	2800.0	118	32612	No
115	GOM_NL__2PRFIN20080526_083642_00000442068_00494_32612_3220.N1	26-MAY-2008 08:36:42	Dark	44.000	31	Alp Gru	1.7340	15200.	88	32612	No
116	GOM_NL__2PRFIN20080526_084158_00000432068_00494_32612_3221.N1	26-MAY-2008 08:41:58	Dark	42.500	45	Alp Pav	1.9400	26000.	85	32612	No
117	GOM_NL__2PRFIN20080526_084832_00000422068_00494_32612_3222.N1	26-MAY-2008 08:48:32	Straylight	41.500	141	Bet Ara	2.8400	4600.0	83	32612	No
118	GOM_NL__2PRFIN20080526_085123_00000472068_00494_32612_3223.N1	26-MAY-2008 08:51:23	Straylight	46.500	40	The Sco	1.8590	7100.0	93	32612	No
119	GOM_NL__2PRFIN20080526_085312_00000472068_00494_32612_3224.N1	26-MAY-2008 08:53:12	Straylight	47.000	25	35Lam Sco	1.6200	28000.	94	32612	No
120	GOM_NL__2PRFIN20080526_085509_00000432068_00494_32612_3225.N1	26-MAY-2008 08:55:09	Twi_and_stray	42.500	75	26Eps Sco	2.2910	4250.0	85	32612	No
121	GOM_NL__2PRFIN20080526_085716_00000422068_00494_32612_3226.N1	26-MAY-2008 08:57:16	Twi_and_stray	42.000	136	23Tau Sco	2.8220	30000.	84	32612	No
122	GOM_NL__2PRFIN20080526_085927_00000412068_00494_32612_3227.N1	26-MAY-2008 08:59:27	Bright	40.500	80	7Del Sco	2.3160	30000.	81	32612	No
123	GOM_NL__2PRFIN20080526_090107_00000262068_00494_32612_3228.N1	26-MAY-2008 09:01:07	Twi_and_stray	26.000	86	35Eta Oph	2.4300	10200.	52	32612	No
124	GOM_NL__2PRFIN20080526_090341_00000372068_00494_32612_3229.N1	26-MAY-2008 09:03:41	Bright	36.500	104	27Bet Lib	2.6140	13100.	73	32612	No
125	GOM_NL__2PRFIN20080526_090520_00000422068_00494_32612_3230.N1	26-MAY-2008 09:05:20	Bright	41.500	120	1Del Oph	2.7340	3200.0	83	32612	No
126	GOM_NL__2PRFIN20080526_090822_00000392068_00494_32612_3231.N1	26-MAY-2008 09:08:22	Bright	38.500	102	24Alp Ser	2.6000	4250.0	77	32612	No
127	GOM_NL__2PRFIN20080526_091425_00000382068_00494_32612_3232.N1	26-MAY-2008 09:14:25	Bright	38.000	67	5Alp CrB	2.2210	11000.	76	32612	No
128	GOM_NL__2PRFIN20080526_091735_00000422068_00494_32612_3233.N1	26-MAY-2008 09:17:35	Bright	42.000	133	40Zet Her	2.8070	6000.0	84	32612	No
129	GOM_NL__2PRFIN20080526_092512_00000392068_00494_32612_3234.N1	26-MAY-2008 09:25:12	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	32612	No
130	GOM_NL__2PRFIN20080526_092732_00000352068_00494_32612_3235.N1	26-MAY-2008 09:27:32	Bright	35.000	60	7Bet UMi	2.0810	3950.0	70	32612	No
131	GOM_NL__2PRFIN20080526_093555_00000682068_00494_32612_3236.N1	26-MAY-2008 09:35:55	Bright	68.000	89	5Alp Cep	2.4510	8000.0	136	32612	No
132	GOM_NL__2PRFIN20080526_094018_00000542068_00494_32612_3237.N1	26-MAY-2008 09:40:18	Bright	54.000	76	27Gam Cas	2.3000	30000.	108	32612	No
133	GOM_NL__2PRFIN20080526_094749_00000552068_00494_32612_3238.N1	26-MAY-2008 09:47:49	Bright	55.000	53	43Bet And	2.0480	3300.0	110	32612	No
134	GOM_NL__2PRFIN20080526_095024_00000482068_00494_32612_3239.N1	26-MAY-2008 09:50:24	Twi_and_stray	48.000	58	21Alp And	2.0730	11000.	96	32612	No
135	GOM_NL__2PRFIN20080526_095500_00000482068_00494_32612_3240.N1	26-MAY-2008 09:55:00	Dark	48.000	140	88Gam Peg	2.8340	26000.	96	32612	No
136	GOM_NL__2PRFIN20080526_100353_00000442068_00494_32612_3241.N1	26-MAY-2008 10:03:53	Dark	43.500	52	16Bet Cet	2.0370	4500.0	87	32612	No
137	GOM_NL__2PRFIN20080526_101534_00000472068_00495_32613_3226.N1	26-MAY-2008 10:15:34	Dark	46.500	63	Bet Gru	2.1500	2800.0	93	32613	No
138	GOM_NL__2PRFIN20080526_101719_00000452068_00495_32613_3227.N1	26-MAY-2008 10:17:19	Dark	44.500	31	Alp Gru	1.7340	15200.	89	32613	No
139	GOM_NL__2PRFIN20080526_102234_00000412068_00495_32613_3228.N1	26-MAY-2008 10:22:34	Dark	40.500	45	Alp Pav	1.9400	26000.	81	32613	No
140	GOM_NL__2PRFIN20080526_102908_00000422068_00495_32613_3229.N1	26-MAY-2008 10:29:08	Straylight	41.500	141	Bet Ara	2.8400	4600.0	83	32613	No
141	GOM_NL__2PRFIN20080526_103159_00000462068_00495_32613_3230.N1	26-MAY-2008 10:31:59	Straylight	46.000	40	The Sco	1.8590	7100.0	92	32613	No
142	GOM_NL__2PRFIN20080526_103349_00000512068_00495_32613_3231.N1	26-MAY-2008 10:33:49	Straylight	51.000	25	35Lam Sco	1.6200	28000.	102	32613	No
143	GOM_NL__2PRFIN20080526_103545_00000492068_00495_32613_3232.N1	26-MAY-2008 10:35:45	Twi_and_stray	48.500	75	26Eps Sco	2.2910	4250.0	97	32613	No
144	GOM_NL__2PRFIN20080526_103752_00000432068_00495_32613_3233.N1	26-MAY-2008 10:37:52	Twi_and_stray	42.500	136	23Tau Sco	2.8220	30000.	85	32613	No
145	GOM_NL__2PRFIN20080526_104003_00000422068_00495_32613_3234.N1	26-MAY-2008 10:40:03	Bright	41.500	80	7Del Sco	2.3160	30000.	83	32613	No
146	GOM_NL__2PRFIN20080526_104143_00000262068_00495_32613_3235.N1	26-MAY-2008 10:41:43	Twi_and_stray	25.500	86	35Eta Oph	2.4300	10200.	51	32613	No
147	GOM_NL__2PRFIN20080526_104417_00000362068_00495_32613_3236.N1	26-MAY-2008 10:44:17	Bright	36.000	104	27Bet Lib	2.6140	13100.	72	32613	No
148	GOM_NL__2PRFIN20080526_104555_00000422068_00495_32613_3237.N1	26-MAY-2008 10:45:55	Bright	42.000	120	1Del Oph	2.7340	3200.0	84	32613	No
149	GOM_NL__2PRFIN20080526_104858_00000392068_00495_32613_3238.N1	26-MAY-2008 10:48:58	Bright	38.500	102	24Alp Ser	2.6000	4250.0	77	32613	No
150	GOM_NL__2PRFIN20080526_105500_00000392068_00495_32613_3239.N1	26-MAY-2008 10:55:00	Bright	38.500	67	5Alp CrB	2.2210	11000.	77	32613	No
151	GOM_NL__2PRFIN20080526_105811_00000422068_00495_32613_3240.N1	26-MAY-2008 10:58:11	Bright	42.000	133	40Zet Her	2.8070	6000.0	84	32613	No
152	GOM_NL__2PRFIN20080526_110548_00000392068_00495_32613_3241.N1	26-MAY-2008 11:05:48	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	32613	No
153	GOM_NL__2PRFIN20080526_110808_00000372068_00495_32613_3242.N1	26-MAY-2008 11:08:08	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	32613	No
154	GOM_NL__2PRFIN20080526_111631_00000462068_00495_32613_3243.N1	26-MAY-2008 11:16:31	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	32613	No
155	GOM_NL__2PRFIN20080526_112053_00000542068_00495_32613_3244.N1	26-MAY-2008 11:20:53	Bright	54.000	76	27Gam Cas	2.3000	30000.	108	32613	No
156	GOM_NL__2PRFIN20080526_112825_00000402068_00495_32613_3245.N1	26-MAY-2008 11:28:25	Bright	39.500	53	43Bet And	2.0480	3300.0	79	32613	No
157	GOM_NL__2PRFIN20080526_113100_00000512068_00495_32613_3246.N1	26-MAY-2008 11:31:00	Twi_and_stray	50.500	58	21Alp And	2.0730	11000.	101	32613	No
158	GOM_NL__2PRFIN20080526_113537_00000492068_00495_32613_3247.N1	26-MAY-2008 11:35:37	Dark	49.000	140	88Gam Peg	2.8340	26000.	98	32613	No
159	GOM_NL__2PRFIN20080526_114429_00000452068_00495_32613_3248.N1	26-MAY-2008 11:44:29	Dark	45.000	52	16Bet Cet	2.0370	4500.0	90	32613	No
160	GOM_NL__2PRFIN20080526_115610_00000552068_00496_32614_3231.N1	26-MAY-2008 11:56:10	Dark	55.000	63	Bet Gru	2.1500	2800.0	110	32614	No



161	GOM_NL__2PRFIN20080526_115756_000000482068_00496_32614_3232.N1	26-MAY-2008 11:57:56	Dark	47.500	31	Alp Gru	1.7340	15200.	95	32614	No
162	GOM_NL__2PRFIN20080526_120311_000000422068_00496_32614_3233.N1	26-MAY-2008 12:03:11	Dark	41.500	45	Alp Pav	1.9400	26000.	83	32614	No
163	GOM_NL__2PRFIN20080526_120945_000000422068_00496_32614_3234.N1	26-MAY-2008 12:09:45	Straylight	42.000	141	Bet Ara	2.8400	4600.0	84	32614	No
164	GOM_NL__2PRFIN20080526_121235_000000462068_00496_32614_3235.N1	26-MAY-2008 12:12:35	Straylight	45.500	40	The Sco	1.8590	7100.0	91	32614	No
165	GOM_NL__2PRFIN20080526_121425_000000482068_00496_32614_3236.N1	26-MAY-2008 12:14:25	Straylight	48.000	25	35Lam Sco	1.6200	28000.	96	32614	No
166	GOM_NL__2PRFIN20080526_121621_000000452068_00496_32614_3237.N1	26-MAY-2008 12:16:21	Twilight	44.500	75	26Eps Sco	2.2910	4250.0	89	32614	No
167	GOM_NL__2PRFIN20080526_121829_000000422068_00496_32614_3238.N1	26-MAY-2008 12:18:29	Twilight	41.500	136	23Tau Sco	2.8220	30000.	83	32614	No
168	GOM_NL__2PRFIN20080526_122039_000000562068_00496_32614_3239.N1	26-MAY-2008 12:20:39	Bright	56.000	80	7Del Sco	2.3160	30000.	112	32614	No
169	GOM_NL__2PRFIN20080526_122219_000000322068_00496_32614_3240.N1	26-MAY-2008 12:22:19	Twilight	31.500	86	35Eta Oph	2.4300	10200.	63	32614	No
170	GOM_NL__2PRFIN20080526_122453_000000372068_00496_32614_3241.N1	26-MAY-2008 12:24:53	Bright	36.500	104	27Bet Lib	2.6140	13100.	73	32614	No
171	GOM_NL__2PRFIN20080526_122631_000000432068_00496_32614_3242.N1	26-MAY-2008 12:26:31	Bright	42.500	120	1Del Oph	2.7340	3200.0	85	32614	No
172	GOM_NL__2PRFIN20080526_122934_000000382068_00496_32614_3243.N1	26-MAY-2008 12:29:34	Bright	38.000	102	24Alp Ser	2.6000	4250.0	76	32614	No
173	GOM_NL__2PRFIN20080526_123536_000000372068_00496_32614_3244.N1	26-MAY-2008 12:35:36	Bright	37.000	67	5Alp CrB	2.2210	11000.	74	32614	No
174	GOM_NL__2PRFIN20080526_123846_000000482068_00496_32614_3245.N1	26-MAY-2008 12:38:46	Bright	48.000	133	40Zet Her	2.8070	6000.0	96	32614	No
175	GOM_NL__2PRFIN20080526_124623_000000412068_00496_32614_3246.N1	26-MAY-2008 12:46:23	Bright	40.500	119	14Eta Dra	2.7270	4700.0	81	32614	No
176	GOM_NL__2PRFIN20080526_124844_000000372068_00496_32614_3247.N1	26-MAY-2008 12:48:44	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	32614	No
177	GOM_NL__2PRFIN20080526_125706_000000452068_00496_32614_3248.N1	26-MAY-2008 12:57:06	Bright	44.500	89	5Alp Cep	2.4510	8000.0	89	32614	No
178	GOM_NL__2PRFIN20080526_130129_000000412068_00496_32614_3249.N1	26-MAY-2008 13:01:29	Bright	40.500	76	27Gam Cas	2.3000	30000.	81	32614	No
179	GOM_NL__2PRFIN20080526_130901_000000402068_00496_32614_3250.N1	26-MAY-2008 13:09:01	Bright	40.000	53	43Bet And	2.0480	3300.0	80	32614	No
180	GOM_NL__2PRFIN20080526_131136_000000502068_00496_32614_3251.N1	26-MAY-2008 13:11:36	Twilight	49.500	58	21Alp And	2.0730	11000.	99	32614	No
181	GOM_NL__2PRFIN20080526_131613_000000472068_00496_32614_3252.N1	26-MAY-2008 13:16:13	Dark	47.000	140	88Gam Peg	2.8340	26000.	94	32614	No
182	GOM_NL__2PRFIN20080526_132506_000000452068_00496_32614_3253.N1	26-MAY-2008 13:25:06	Dark	44.500	52	16Bet Cet	2.0370	4500.0	89	32614	No
183	GOM_NL__2PRFIN20080526_133647_000000442068_00497_32615_3245.N1	26-MAY-2008 13:36:47	Dark	44.000	63	Bet Gru	2.1500	2800.0	88	32615	No
184	GOM_NL__2PRFIN20080526_133833_000000452068_00497_32615_3246.N1	26-MAY-2008 13:38:33	Dark	44.500	31	Alp Gru	1.7340	15200.	89	32615	No
185	GOM_NL__2PRFIN20080526_134347_000000422068_00497_32615_3247.N1	26-MAY-2008 13:43:47	Dark	42.000	45	Alp Pav	1.9400	26000.	84	32615	No
186	GOM_NL__2PRFIN20080526_135021_000000392068_00497_32615_3248.N1	26-MAY-2008 13:50:21	Straylight	38.500	141	Bet Ara	2.8400	4600.0	77	32615	No
187	GOM_NL__2PRFIN20080526_135312_000000442068_00497_32615_3249.N1	26-MAY-2008 13:53:12	Straylight	43.500	40	The Sco	1.8590	7100.0	87	32615	No
188	GOM_NL__2PRFIN20080526_135502_000000482068_00497_32615_3250.N1	26-MAY-2008 13:55:02	Straylight	48.000	25	35Lam Sco	1.6200	28000.	96	32615	No
189	GOM_NL__2PRFIN20080526_135657_000000482068_00497_32615_3251.N1	26-MAY-2008 13:56:57	Twilight	47.500	75	26Eps Sco	2.2910	4250.0	95	32615	No
190	GOM_NL__2PRFIN20080526_135905_000000412068_00497_32615_3252.N1	26-MAY-2008 13:59:05	Twilight	40.500	136	23Tau Sco	2.8220	30000.	81	32615	No
191	GOM_NL__2PRFIN20080526_140115_000000412068_00497_32615_3253.N1	26-MAY-2008 14:01:15	Bright	40.500	80	7Del Sco	2.3160	30000.	81	32615	No
192	GOM_NL__2PRFIN20080526_140255_000000322068_00497_32615_3254.N1	26-MAY-2008 14:02:55	Twilight	32.000	86	35Eta Oph	2.4300	10200.	64	32615	No
193	GOM_NL__2PRFIN20080526_140529_000000362068_00497_32615_3255.N1	26-MAY-2008 14:05:29	Bright	35.500	104	27Bet Lib	2.6140	13100.	71	32615	No
194	GOM_NL__2PRFIN20080526_140707_000000422068_00497_32615_3256.N1	26-MAY-2008 14:07:07	Bright	42.000	120	1Del Oph	2.7340	3200.0	84	32615	No
195	GOM_NL__2PRFIN20080526_141010_000000392068_00497_32615_3257.N1	26-MAY-2008 14:10:10	Bright	38.500	102	24Alp Ser	2.6000	4250.0	77	32615	No
196	GOM_NL__2PRFIN20080526_141612_000000372068_00497_32615_3258.N1	26-MAY-2008 14:16:12	Bright	37.000	67	5Alp CrB	2.2210	11000.	74	32615	No
197	GOM_NL__2PRFIN20080526_141921_000000442068_00497_32615_3259.N1	26-MAY-2008 14:19:21	Bright	43.500	133	40Zet Her	2.8070	6000.0	87	32615	No
198	GOM_NL__2PRFIN20080526_142659_000000392068_00497_32615_3260.N1	26-MAY-2008 14:26:59	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	32615	No
199	GOM_NL__2PRFIN20080526_142920_000000362068_00497_32615_3261.N1	26-MAY-2008 14:29:20	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	32615	No
200	GOM_NL__2PRFIN20080526_143741_000000442068_00497_32615_3262.N1	26-MAY-2008 14:37:41	Bright	44.000	89	5Alp Cep	2.4510	8000.0	88	32615	No
201	GOM_NL__2PRFIN20080526_144205_000000352068_00497_32615_3263.N1	26-MAY-2008 14:42:05	Bright	35.000	76	27Gam Cas	2.3000	30000.	70	32615	No
202	GOM_NL__2PRFIN20080526_144937_000000422068_00497_32615_3264.N1	26-MAY-2008 14:49:37	Bright	42.000	53	43Bet And	2.0480	3300.0	84	32615	No
203	GOM_NL__2PRFIN20080526_145212_000000472068_00497_32615_3265.N1	26-MAY-2008 14:52:12	Twilight	47.000	58	21Alp And	2.0730	11000.	94	32615	No
204	GOM_NL__2PRFIN20080526_145649_000000452068_00497_32615_3266.N1	26-MAY-2008 14:56:49	Dark	45.000	140	88Gam Peg	2.8340	26000.	90	32615	No
205	GOM_NL__2PRFIN20080526_150542_000000462068_00497_32615_3267.N1	26-MAY-2008 15:05:42	Dark	46.000	52	16Bet Cet	2.0370	4500.0	92	32615	No
206	GOM_NL__2PRFIN20080526_151724_000000602068_00498_32616_3253.N1	26-MAY-2008 15:17:24	Dark	60.000	63	Bet Gru	2.1500	2800.0	120	32616	No
207	GOM_NL__2PRFIN20080526_151909_000000462068_00498_32616_3254.N1	26-MAY-2008 15:19:09	Dark	45.500	31	Alp Gru	1.7340	15200.	91	32616	No
208	GOM_NL__2PRFIN20080526_152424_000000452068_00498_32616_3255.N1	26-MAY-2008 15:24:24	Dark	44.500	45	Alp Pav	1.9400	26000.	89	32616	No
209	GOM_NL__2PRFIN20080526_153057_000000442068_00498_32616_3256.N1	26-MAY-2008 15:30:57	Straylight	43.500	141	Bet Ara	2.8400	4600.0	87	32616	No
210	GOM_NL__2PRFIN20080526_153348_000000492068_00498_32616_3257.N1	26-MAY-2008 15:33:48	Straylight	48.500	40	The Sco	1.8590	7100.0	97	32616	No
211	GOM_NL__2PRFIN20080526_153538_000000482068_00498_32616_3258.N1	26-MAY-2008 15:35:38	Straylight	47.500	25	35Lam Sco	1.6200	28000.	95	32616	No
212	GOM_NL__2PRFIN20080526_153734_000000512068_00498_32616_3259.N1	26-MAY-2008 15:37:34	Twilight	51.000	75	26Eps Sco	2.2910	4250.0	102	32616	No
213	GOM_NL__2PRFIN20080526_153941_000000422068_00498_32616_3260.N1	26-MAY-2008 15:39:41	Twilight	41.500	136	23Tau Sco	2.8220	30000.	83	32616	No
214	GOM_NL__2PRFIN20080526_154151_000000392068_00498_32616_3261.N1	26-MAY-2008 15:41:51	Bright	38.500	80	7Del Sco	2.3160	30000.	77	32616	No
215	GOM_NL__2PRFIN20080526_154331_000000382068_00498_32616_3262.N1	26-MAY-2008 15:43:31	Bright	38.000	86	35Eta Oph	2.4300	10200.	76	32616	No
216	GOM_NL__2PRFIN20080526_154605_000000362068_00498_32616_3263.N1	26-MAY-2008 15:46:05	Bright	35.500	104	27Bet Lib	2.6140	13100.	71	32616	No
217	GOM_NL__2PRFIN20080526_154743_000000432068_00498_32616_3264.N1	26-MAY-2008 15:47:43	Bright	42.500	120	1Del Oph	2.7340	3200.0	85	32616	No
218	GOM_NL__2PRFIN20080526_155046_000000392068_00498_32616_3265.N1	26-MAY-2008 15:50:46	Bright	38.500	102	24Alp Ser	2.6000	4250.0	77	32616	No
219	GOM_NL__2PRFIN20080526_155647_000000382068_00498_32616_3266.N1	26-MAY-2008 15:56:47	Bright	38.000	67	5Alp CrB	2.2210	11000.	76	32616	No

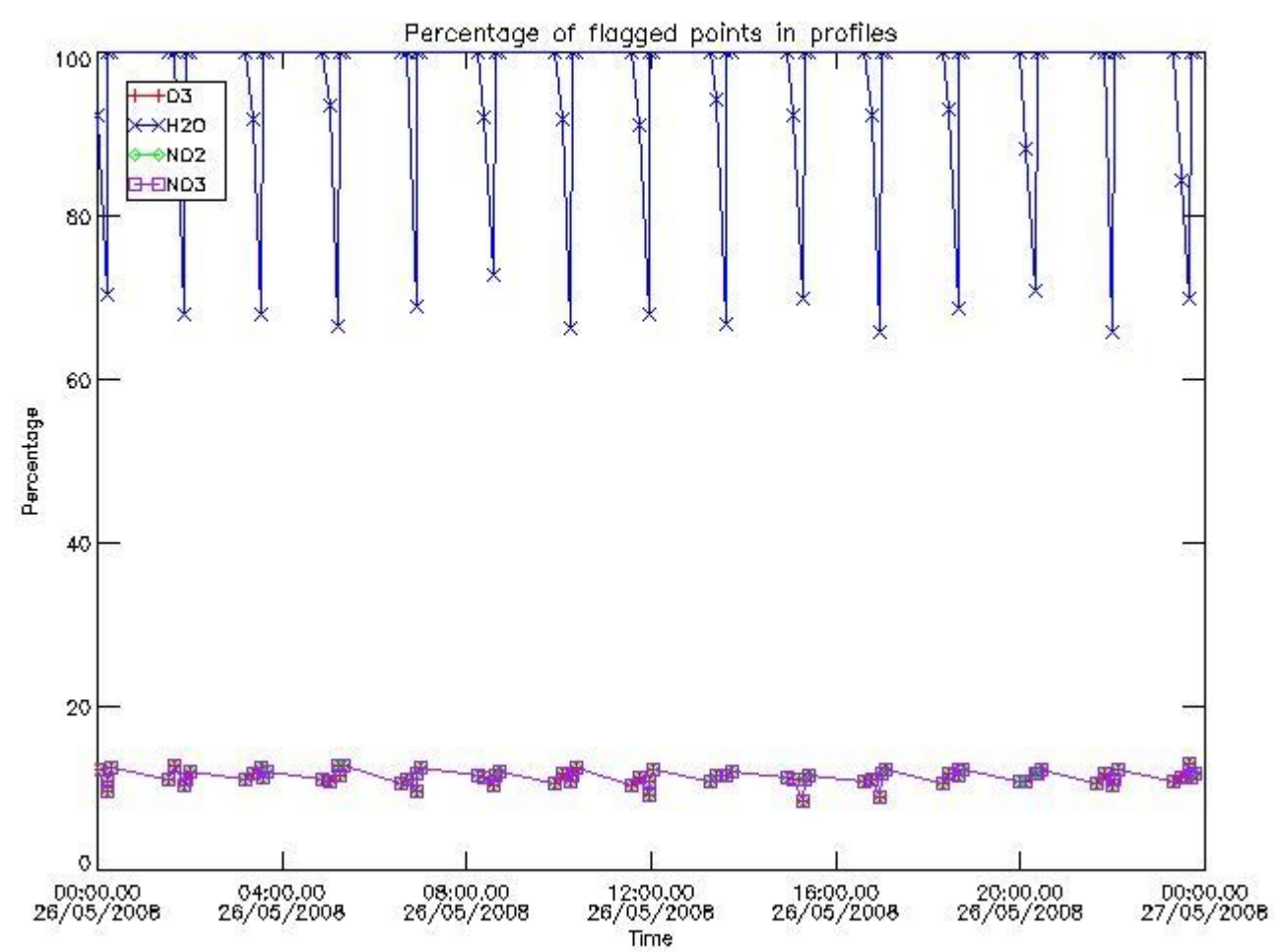
220	GOM_NL__2PRFIN20080526_155956_000000452068_00498_32616_3267.N1	26-MAY-2008 15:59:56	Bright	44.500	133	40Zet Her	2.8070	6000.0	89	32616	No
221	GOM_NL__2PRFIN20080526_160734_000000392068_00498_32616_3268.N1	26-MAY-2008 16:07:34	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	32616	No
222	GOM_NL__2PRFIN20080526_160955_000000362068_00498_32616_3269.N1	26-MAY-2008 16:09:55	Bright	35.500	60	7Bet UMi	2.0810	3950.0	71	32616	No
223	GOM_NL__2PRFIN20080526_161817_000000442068_00498_32616_3270.N1	26-MAY-2008 16:18:17	Bright	44.000	89	5Alp Cep	2.4510	8000.0	88	32616	No
224	GOM_NL__2PRFIN20080526_162241_000000422068_00498_32616_3271.N1	26-MAY-2008 16:22:41	Bright	41.500	76	27Gam Cas	2.3000	30000.	83	32616	No
225	GOM_NL__2PRFIN20080526_163013_000000382068_00498_32616_3272.N1	26-MAY-2008 16:30:13	Bright	38.000	53	43Bet And	2.0480	3300.0	76	32616	No
226	GOM_NL__2PRFIN20080526_163248_000000462068_00498_32616_3273.N1	26-MAY-2008 16:32:48	Tw_i_and_stray	46.000	58	21Alp And	2.0730	11000.	92	32616	No
227	GOM_NL__2PRFIN20080526_163726_000000472068_00498_32616_3274.N1	26-MAY-2008 16:37:26	Dark	46.500	140	88Gam Peg	2.8340	26000.	93	32616	No
228	GOM_NL__2PRFIN20080526_164618_000000462068_00498_32616_3275.N1	26-MAY-2008 16:46:18	Dark	45.500	52	16Bet Cet	2.0370	4500.0	91	32616	No
229	GOM_NL__2PRFIN20080526_165801_000000582068_00499_32617_3259.N1	26-MAY-2008 16:58:01	Dark	57.500	63	Bet Gru	2.1500	2800.0	115	32617	No
230	GOM_NL__2PRFIN20080526_165947_000000442068_00499_32617_3260.N1	26-MAY-2008 16:59:47	Dark	43.500	31	Alp Gru	1.7340	15200.	87	32617	No
231	GOM_NL__2PRFIN20080526_170501_000000422068_00499_32617_3261.N1	26-MAY-2008 17:05:01	Dark	41.500	45	Alp Pav	1.9400	26000.	83	32617	No
232	GOM_NL__2PRFIN20080526_171134_000000402068_00499_32617_3262.N1	26-MAY-2008 17:11:34	Straylight	39.500	141	Bet Ara	2.8400	4600.0	79	32617	No
233	GOM_NL__2PRFIN20080526_171425_000000502068_00499_32617_3263.N1	26-MAY-2008 17:14:25	Straylight	50.000	40	The Sco	1.8590	7100.0	100	32617	No
234	GOM_NL__2PRFIN20080526_171614_000000462068_00499_32617_3264.N1	26-MAY-2008 17:16:14	Straylight	46.000	25	35Lam Sco	1.6200	28000.	92	32617	No
235	GOM_NL__2PRFIN20080526_171810_000000462068_00499_32617_3265.N1	26-MAY-2008 17:18:10	Tw_i_and_stray	46.000	75	26Eps Sco	2.2910	4250.0	92	32617	No
236	GOM_NL__2PRFIN20080526_172017_000000432068_00499_32617_3266.N1	26-MAY-2008 17:20:17	Tw_i_and_stray	43.000	136	23Tau Sco	2.8220	30000.	86	32617	No
237	GOM_NL__2PRFIN20080526_172227_000000412068_00499_32617_3267.N1	26-MAY-2008 17:22:27	Bright	40.500	80	7Del Sco	2.3160	30000.	81	32617	No
238	GOM_NL__2PRFIN20080526_172407_000000382068_00499_32617_3268.N1	26-MAY-2008 17:24:07	Bright	38.000	86	35Eta Oph	2.4300	10200.	76	32617	No
239	GOM_NL__2PRFIN20080526_172641_000000372068_00499_32617_3269.N1	26-MAY-2008 17:26:41	Bright	36.500	104	27Bet Lib	2.6140	13100.	73	32617	No
240	GOM_NL__2PRFIN20080526_172819_000000422068_00499_32617_3270.N1	26-MAY-2008 17:28:19	Bright	42.000	120	1Del Oph	2.7340	3200.0	84	32617	No
241	GOM_NL__2PRFIN20080526_173121_000000382068_00499_32617_3271.N1	26-MAY-2008 17:31:21	Bright	38.000	102	24Alp Ser	2.6000	4250.0	76	32617	No
242	GOM_NL__2PRFIN20080526_173723_000000392068_00499_32617_3272.N1	26-MAY-2008 17:37:23	Bright	38.500	67	5Alp CrB	2.2210	11000.	77	32617	No
243	GOM_NL__2PRFIN20080526_174032_000000452068_00499_32617_3273.N1	26-MAY-2008 17:40:32	Bright	45.000	133	40Zet Her	2.8070	6000.0	90	32617	No
244	GOM_NL__2PRFIN20080526_174810_000000402068_00499_32617_3274.N1	26-MAY-2008 17:48:10	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	32617	No
245	GOM_NL__2PRFIN20080526_175031_000000392068_00499_32617_3275.N1	26-MAY-2008 17:50:31	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	32617	No
246	GOM_NL__2PRFIN20080526_175852_000000482068_00499_32617_3276.N1	26-MAY-2008 17:58:52	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	32617	No
247	GOM_NL__2PRFIN20080526_180317_000000362068_00499_32617_3277.N1	26-MAY-2008 18:03:17	Bright	35.500	76	27Gam Cas	2.3000	30000.	71	32617	No
248	GOM_NL__2PRFIN20080526_181049_000000402068_00499_32617_3278.N1	26-MAY-2008 18:10:49	Bright	39.500	53	43Bet And	2.0480	3300.0	79	32617	No
249	GOM_NL__2PRFIN20080526_181324_000000492068_00499_32617_3279.N1	26-MAY-2008 18:13:24	Tw_i_and_stray	49.000	58	21Alp And	2.0730	11000.	98	32617	No
250	GOM_NL__2PRFIN20080526_181802_000000492068_00499_32617_3280.N1	26-MAY-2008 18:18:02	Dark	48.500	140	88Gam Peg	2.8340	26000.	97	32617	No
251	GOM_NL__2PRFIN20080526_182655_000000432068_00499_32617_3281.N1	26-MAY-2008 18:26:55	Dark	43.000	52	16Bet Cet	2.0370	4500.0	86	32617	No
252	GOM_NL__2PRFIN20080526_183837_000000582068_00500_32618_3265.N1	26-MAY-2008 18:38:37	Dark	58.000	63	Bet Gru	2.1500	2800.0	116	32618	No
253	GOM_NL__2PRFIN20080526_184023_000000442068_00500_32618_3266.N1	26-MAY-2008 18:40:23	Dark	44.000	31	Alp Gru	1.7340	15200.	88	32618	No
254	GOM_NL__2PRFIN20080526_184537_000000422068_00500_32618_3267.N1	26-MAY-2008 18:45:37	Dark	41.500	45	Alp Pav	1.9400	26000.	83	32618	No
255	GOM_NL__2PRFIN20080526_185210_000000382068_00500_32618_3268.N1	26-MAY-2008 18:52:10	Straylight	38.000	141	Bet Ara	2.8400	4600.0	76	32618	No
256	GOM_NL__2PRFIN20080526_185501_000000482068_00500_32618_3269.N1	26-MAY-2008 18:55:01	Straylight	47.500	40	The Sco	1.8590	7100.0	95	32618	No
257	GOM_NL__2PRFIN20080526_185651_000000492068_00500_32618_3270.N1	26-MAY-2008 18:56:51	Straylight	49.000	25	35Lam Sco	1.6200	28000.	98	32618	No
258	GOM_NL__2PRFIN20080526_185846_000000482068_00500_32618_3271.N1	26-MAY-2008 18:58:46	Tw_i_and_stray	47.500	75	26Eps Sco	2.2910	4250.0	95	32618	No
259	GOM_NL__2PRFIN20080526_190053_000000422068_00500_32618_3272.N1	26-MAY-2008 19:00:53	Tw_i_and_stray	42.000	136	23Tau Sco	2.8220	30000.	84	32618	No
260	GOM_NL__2PRFIN20080526_190304_000000412068_00500_32618_3273.N1	26-MAY-2008 19:03:04	Bright	41.000	80	7Del Sco	2.3160	30000.	82	32618	No
261	GOM_NL__2PRFIN20080526_190443_000000442068_00500_32618_3274.N1	26-MAY-2008 19:04:43	Bright	44.000	86	35Eta Oph	2.4300	10200.	88	32618	No
262	GOM_NL__2PRFIN20080526_190718_000000362068_00500_32618_3275.N1	26-MAY-2008 19:07:18	Bright	36.000	104	27Bet Lib	2.6140	13100.	72	32618	No
263	GOM_NL__2PRFIN20080526_190855_000000422068_00500_32618_3276.N1	26-MAY-2008 19:08:55	Bright	41.500	120	1Del Oph	2.7340	3200.0	83	32618	No
264	GOM_NL__2PRFIN20080526_191157_000000382068_00500_32618_3277.N1	26-MAY-2008 19:11:57	Bright	37.500	102	24Alp Ser	2.6000	4250.0	75	32618	No
265	GOM_NL__2PRFIN20080526_191759_000000392068_00500_32618_3278.N1	26-MAY-2008 19:17:59	Bright	39.000	67	5Alp CrB	2.2210	11000.	78	32618	No
266	GOM_NL__2PRFIN20080526_192107_000000472068_00500_32618_3279.N1	26-MAY-2008 19:21:07	Bright	46.500	133	40Zet Her	2.8070	6000.0	93	32618	No
267	GOM_NL__2PRFIN20080526_192846_000000382068_00500_32618_3280.N1	26-MAY-2008 19:28:46	Bright	37.500	119	14Eta Dra	2.7270	4700.0	75	32618	No
268	GOM_NL__2PRFIN20080526_193107_000000372068_00500_32618_3281.N1	26-MAY-2008 19:31:07	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	32618	No
269	GOM_NL__2PRFIN20080526_193928_000000462068_00500_32618_3282.N1	26-MAY-2008 19:39:28	Bright	46.000	89	5Alp Cep	2.4510	8000.0	92	32618	No
270	GOM_NL__2PRFIN20080526_194353_000000432068_00500_32618_3283.N1	26-MAY-2008 19:43:53	Bright	43.000	76	27Gam Cas	2.3000	30000.	86	32618	No
271	GOM_NL__2PRFIN20080526_195125_000000402068_00500_32618_3284.N1	26-MAY-2008 19:51:25	Bright	39.500	53	43Bet And	2.0480	3300.0	79	32618	No
272	GOM_NL__2PRFIN20080526_195401_000000512068_00500_32618_3285.N1	26-MAY-2008 19:54:01	Tw_i_and_stray	51.000	58	21Alp And	2.0730	11000.	102	32618	No
273	GOM_NL__2PRFIN20080526_195839_000000472068_00500_32618_3286.N1	26-MAY-2008 19:58:39	Dark	47.000	140	88Gam Peg	2.8340	26000.	94	32618	No
274	GOM_NL__2PRFIN20080526_200731_000000472068_00500_32618_3287.N1	26-MAY-2008 20:07:31	Dark	47.000	52	16Bet Cet	2.0370	4500.0	94	32618	No
275	GOM_NL__2PRFIN20080526_201914_000000442068_00501_32619_3280.N1	26-MAY-2008 20:19:14	Dark	43.500	63	Bet Gru	2.1500	2800.0	87	32619	No
276	GOM_NL__2PRFIN20080526_202100_000000442068_00501_32619_3281.N1	26-MAY-2008 20:21:00	Dark	43.500	31	Alp Gru	1.7340	15200.	87	32619	No
277	GOM_NL__2PRFIN20080526_202614_000000422068_00501_32619_3282.N1	26-MAY-2008 20:26:14	Dark	41.500	45	Alp Pav	1.9400	26000.	83	32619	No
278	GOM_NL__2PRFIN20080526_203247_000000462068_00501_32619_3283.N1	26-MAY-2008 20:32:47	Straylight	45.500	141	Bet Ara	2.8400	4600.0	91	32619	No

279	GOM_NL__2PRFIN20080526_203538_000000452068_00501_32619_3284.N1	26-MAY-2008 20:35:38	Straylight	45.000	40	The Sco	1.8590	7100.0	90	32619	No
280	GOM_NL__2PRFIN20080526_203727_000000482068_00501_32619_3285.N1	26-MAY-2008 20:37:27	Straylight	48.000	25	35Lam Sco	1.6200	28000.	96	32619	No
281	GOM_NL__2PRFIN20080526_203923_000000472068_00501_32619_3286.N1	26-MAY-2008 20:39:23	Twi_and_stray	46.500	75	26Eps Sco	2.2910	4250.0	93	32619	No
282	GOM_NL__2PRFIN20080526_204130_000000452068_00501_32619_3287.N1	26-MAY-2008 20:41:30	Twi_and_stray	44.500	136	23Tau Sco	2.8220	30000.	89	32619	No
283	GOM_NL__2PRFIN20080526_204340_000000412068_00501_32619_3288.N1	26-MAY-2008 20:43:40	Bright	40.500	80	7Del Sco	2.3160	30000.	81	32619	No
284	GOM_NL__2PRFIN20080526_204519_000000442068_00501_32619_3289.N1	26-MAY-2008 20:45:19	Bright	44.000	86	35Eta Oph	2.4300	10200.	88	32619	No
285	GOM_NL__2PRFIN20080526_204754_000000362068_00501_32619_3290.N1	26-MAY-2008 20:47:54	Bright	36.000	104	27Bet Lib	2.6140	13100.	72	32619	No
286	GOM_NL__2PRFIN20080526_204931_000000422068_00501_32619_3291.N1	26-MAY-2008 20:49:31	Bright	42.000	120	1Del Oph	2.7340	3200.0	84	32619	No
287	GOM_NL__2PRFIN20080526_205233_000000382068_00501_32619_3292.N1	26-MAY-2008 20:52:33	Bright	38.000	102	24Alp Ser	2.6000	4250.0	76	32619	No
288	GOM_NL__2PRFIN20080526_205835_000000392068_00501_32619_3293.N1	26-MAY-2008 20:58:35	Bright	39.000	67	5Alp CrB	2.2210	11000.	78	32619	No
289	GOM_NL__2PRFIN20080526_210142_000000462068_00501_32619_3294.N1	26-MAY-2008 21:01:42	Bright	46.000	133	40Zet Her	2.8070	6000.0	92	32619	No
290	GOM_NL__2PRFIN20080526_210921_000000402068_00501_32619_3295.N1	26-MAY-2008 21:09:21	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	32619	No
291	GOM_NL__2PRFIN20080526_211143_000000382068_00501_32619_3296.N1	26-MAY-2008 21:11:43	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	32619	No
292	GOM_NL__2PRFIN20080526_212003_000000462068_00501_32619_3297.N1	26-MAY-2008 21:20:03	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	32619	No
293	GOM_NL__2PRFIN20080526_212429_000000512068_00501_32619_3298.N1	26-MAY-2008 21:24:29	Bright	51.000	76	27Gam Cas	2.3000	30000.	102	32619	No
294	GOM_NL__2PRFIN20080526_213201_000000552068_00501_32619_3299.N1	26-MAY-2008 21:32:01	Bright	55.000	53	43Bet And	2.0480	3300.0	110	32619	No
295	GOM_NL__2PRFIN20080526_213437_000000512068_00501_32619_3300.N1	26-MAY-2008 21:34:37	Twi_and_stray	50.500	58	21Alp And	2.0730	11000.	101	32619	No
296	GOM_NL__2PRFIN20080526_213915_000000482068_00501_32619_3301.N1	26-MAY-2008 21:39:15	Dark	47.500	140	88Gam Peg	2.8340	26000.	95	32619	No
297	GOM_NL__2PRFIN20080526_214808_000000442068_00501_32619_3302.N1	26-MAY-2008 21:48:08	Dark	43.500	52	16Bet Cet	2.0370	4500.0	87	32619	No
298	GOM_NL__2PRFIN20080526_215951_000000552069_00001_32620_3287.N1	26-MAY-2008 21:59:51	Dark	54.500	63	Bet Gru	2.1500	2800.0	109	32620	No
299	GOM_NL__2PRFIN20080526_220137_000000462069_00001_32620_3288.N1	26-MAY-2008 22:01:37	Dark	45.500	31	Alp Gru	1.7340	15200.	91	32620	No
300	GOM_NL__2PRFIN20080526_220651_000000422069_00001_32620_3289.N1	26-MAY-2008 22:06:51	Dark	41.500	45	Alp Pav	1.9400	26000.	83	32620	No
301	GOM_NL__2PRFIN20080526_221323_000000422069_00001_32620_3290.N1	26-MAY-2008 22:13:23	Straylight	42.000	141	Bet Ara	2.8400	4600.0	84	32620	No
302	GOM_NL__2PRFIN20080526_221614_000000462069_00001_32620_3291.N1	26-MAY-2008 22:16:14	Straylight	45.500	40	The Sco	1.8590	7100.0	91	32620	No
303	GOM_NL__2PRFIN20080526_221804_000000462069_00001_32620_3292.N1	26-MAY-2008 22:18:04	Straylight	45.500	25	35Lam Sco	1.6200	28000.	91	32620	No
304	GOM_NL__2PRFIN20080526_221959_000000472069_00001_32620_3293.N1	26-MAY-2008 22:19:59	Twi_and_stray	46.500	75	26Eps Sco	2.2910	4250.0	93	32620	No
305	GOM_NL__2PRFIN20080526_222206_000000432069_00001_32620_3294.N1	26-MAY-2008 22:22:06	Twi_and_stray	42.500	136	23Tau Sco	2.8220	30000.	85	32620	No
306	GOM_NL__2PRFIN20080526_222416_000000412069_00001_32620_3295.N1	26-MAY-2008 22:24:16	Bright	40.500	80	7Del Sco	2.3160	30000.	81	32620	No
307	GOM_NL__2PRFIN20080526_222555_000000472069_00001_32620_3296.N1	26-MAY-2008 22:25:55	Bright	47.000	86	35Eta Oph	2.4300	10200.	94	32620	No
308	GOM_NL__2PRFIN20080526_222829_000000362069_00001_32620_3297.N1	26-MAY-2008 22:28:29	Bright	35.500	104	27Bet Lib	2.6140	13100.	71	32620	No
309	GOM_NL__2PRFIN20080526_223006_000000422069_00001_32620_3298.N1	26-MAY-2008 22:30:06	Bright	42.000	120	1Del Oph	2.7340	3200.0	84	32620	No
310	GOM_NL__2PRFIN20080526_223309_000000382069_00001_32620_3299.N1	26-MAY-2008 22:33:09	Bright	38.000	102	24Alp Ser	2.6000	4250.0	76	32620	No
311	GOM_NL__2PRFIN20080526_223910_000000372069_00001_32620_3300.N1	26-MAY-2008 22:39:10	Bright	37.000	67	5Alp CrB	2.2210	11000.	74	32620	No
312	GOM_NL__2PRFIN20080526_224217_000000682069_00001_32620_3301.N1	26-MAY-2008 22:42:17	Bright	68.000	133	40Zet Her	2.8070	6000.0	136	32620	No
313	GOM_NL__2PRFIN20080526_224957_000000392069_00001_32620_3302.N1	26-MAY-2008 22:49:57	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	32620	No
314	GOM_NL__2PRFIN20080526_225219_000000382069_00001_32620_3303.N1	26-MAY-2008 22:52:19	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	32620	No
315	GOM_NL__2PRFIN20080526_230038_000000462069_00001_32620_3304.N1	26-MAY-2008 23:00:38	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	32620	No
316	GOM_NL__2PRFIN20080526_230505_000000392069_00001_32620_3305.N1	26-MAY-2008 23:05:05	Bright	39.000	76	27Gam Cas	2.3000	30000.	78	32620	No
317	GOM_NL__2PRFIN20080526_231237_000000402069_00001_32620_3306.N1	26-MAY-2008 23:12:37	Bright	40.000	53	43Bet And	2.0480	3300.0	80	32620	No
318	GOM_NL__2PRFIN20080526_231513_000000502069_00001_32620_3307.N1	26-MAY-2008 23:15:13	Twi_and_stray	49.500	58	21Alp And	2.0730	11000.	99	32620	No
319	GOM_NL__2PRFIN20080526_231951_000000472069_00001_32620_3308.N1	26-MAY-2008 23:19:51	Dark	47.000	140	88Gam Peg	2.8340	26000.	94	32620	No
320	GOM_NL__2PRFIN20080526_232844_000000452069_00001_32620_3309.N1	26-MAY-2008 23:28:44	Dark	45.000	52	16Bet Cet	2.0370	4500.0	90	32620	No
321	GOM_NL__2PRFIN20080526_234027_000000592069_00002_32621_3295.N1	26-MAY-2008 23:40:27	Dark	58.500	63	Bet Gru	2.1500	2800.0	117	32621	No
322	GOM_NL__2PRFIN20080526_234214_000000452069_00002_32621_3296.N1	26-MAY-2008 23:42:14	Dark	45.000	31	Alp Gru	1.7340	15200.	90	32621	No
323	GOM_NL__2PRFIN20080526_234727_000000432069_00002_32621_3297.N1	26-MAY-2008 23:47:27	Dark	43.000	45	Alp Pav	1.9400	26000.	86	32621	No
324	GOM_NL__2PRFIN20080526_235359_000000422069_00002_32621_3298.N1	26-MAY-2008 23:53:59	Straylight	42.000	141	Bet Ara	2.8400	4600.0	84	32621	No
325	GOM_NL__2PRFIN20080526_235650_000000482069_00002_32621_3299.N1	26-MAY-2008 23:56:50	Straylight	47.500	40	The Sco	1.8590	7100.0	95	32621	No
326	GOM_NL__2PRFIN20080526_235840_000000482069_00002_32621_3300.N1	26-MAY-2008 23:58:40	Straylight	48.000	25	35Lam Sco	1.6200	28000.	96	32621	No

### 3. Quality information per product

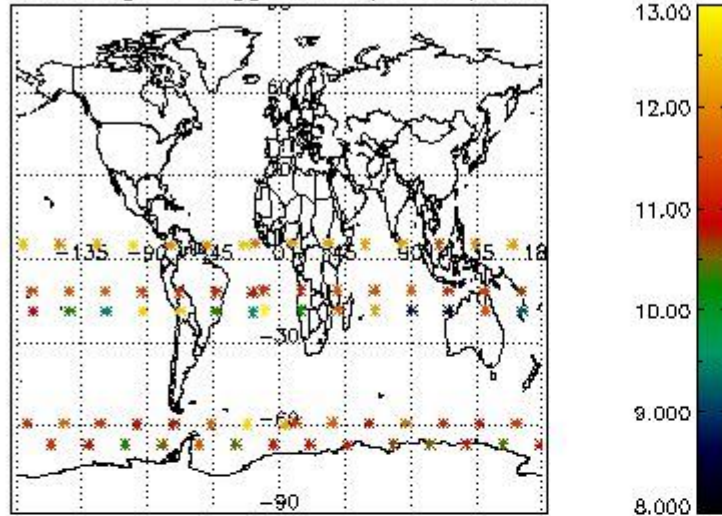
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

#### 3.1 Plot quality information per product (time dependant)

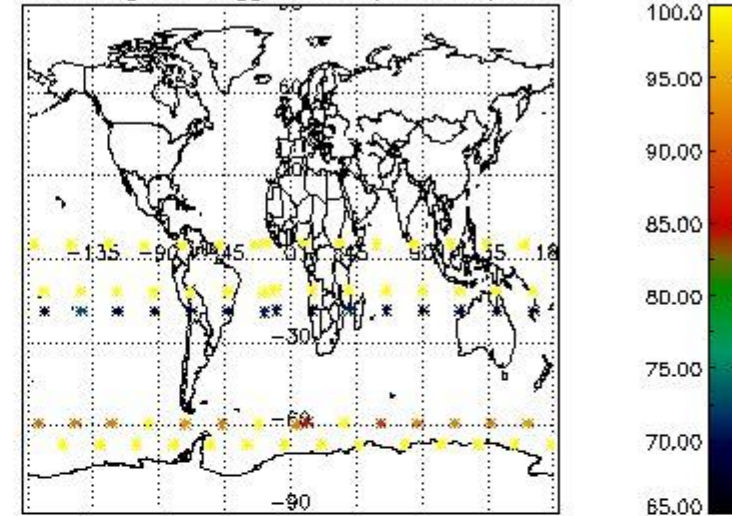


3.2 Plot quality information per product (world map)

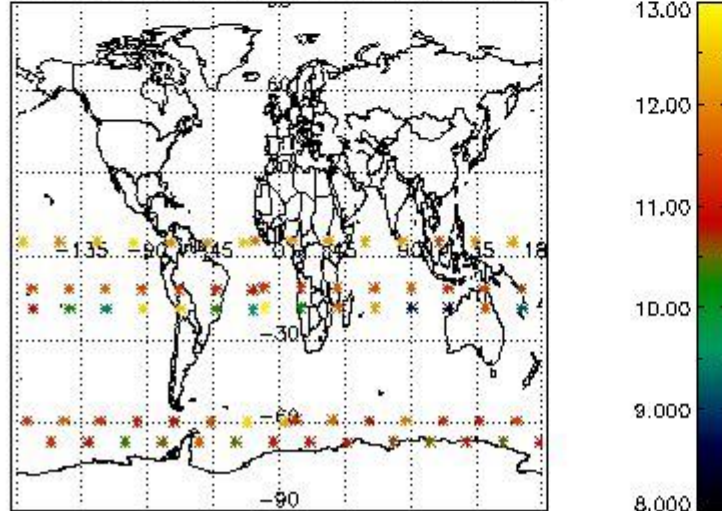
Percentage of flagged data per O3 profile



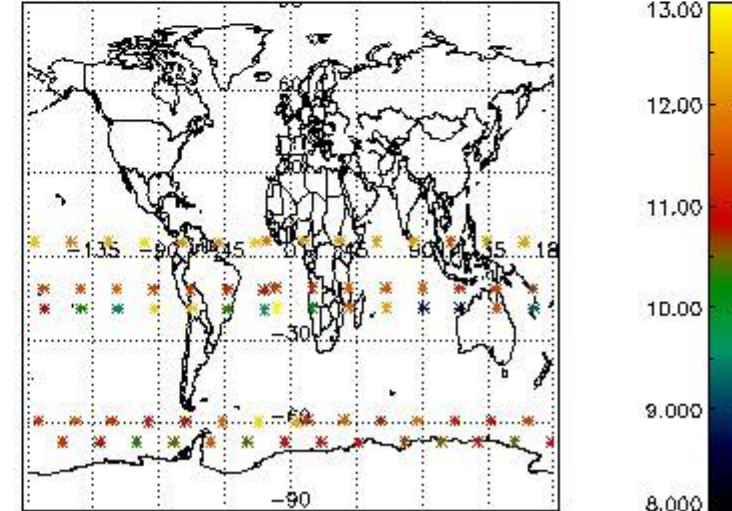
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

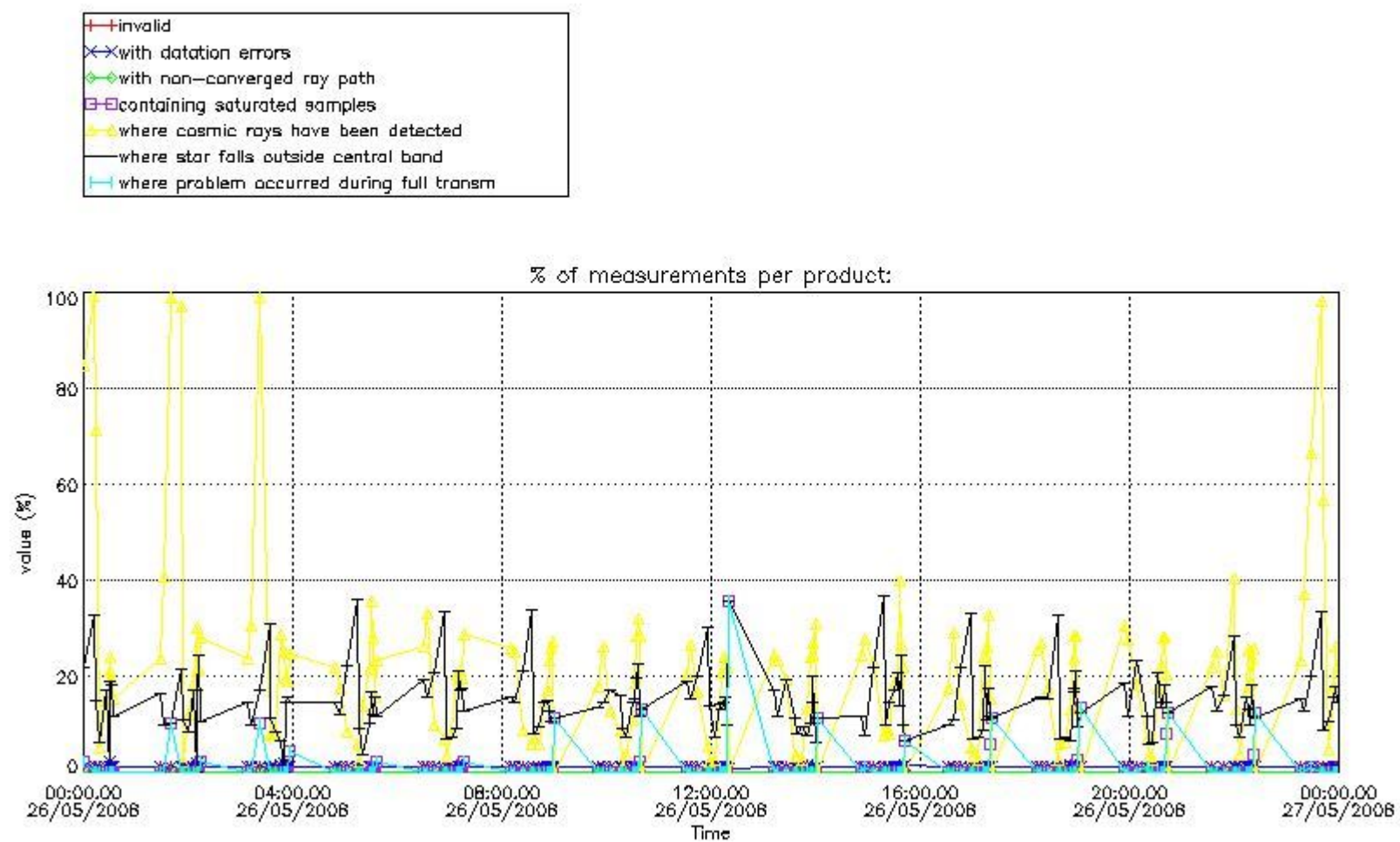


#### 4. Level 1 quality information per product

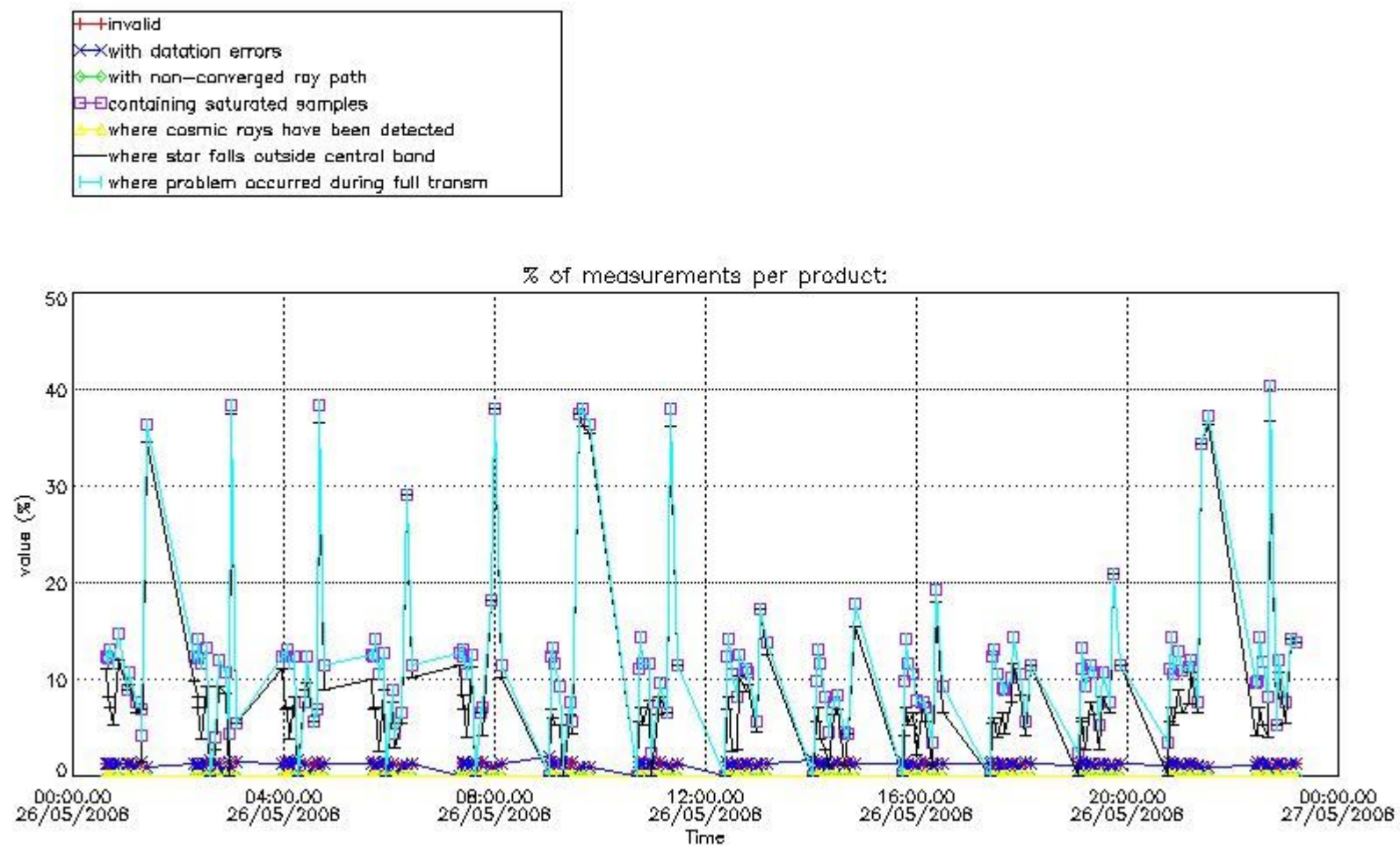
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

##### 4.1 Plot quality information per product (time dependant) coming from level 1b processing

###### 4.1.1 Plot level 1 quality information per product (time dependant): ENVISAT ASCENDING passes



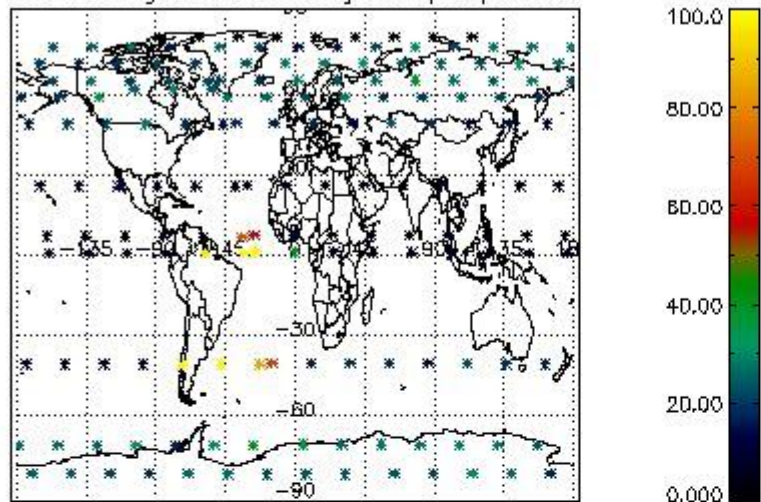
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



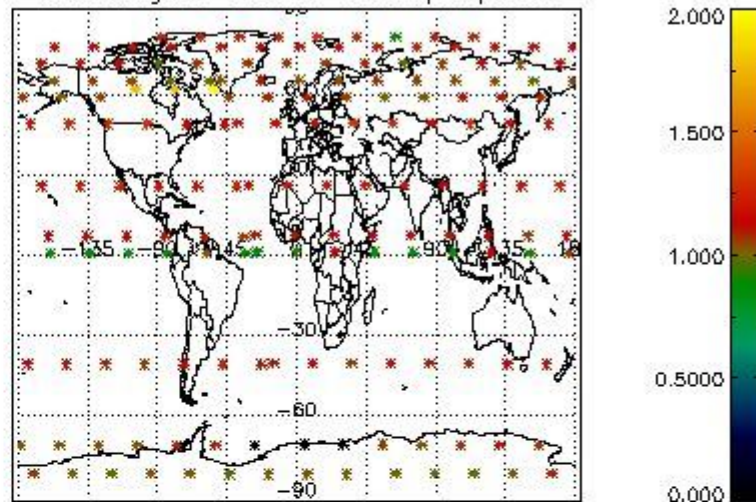
*4.2 Plot quality information per product coming from level 1b processing (world map)*

*4.2.1 Plot level 1 quality information per product (world map): ENVISAT ASCENDING passes*

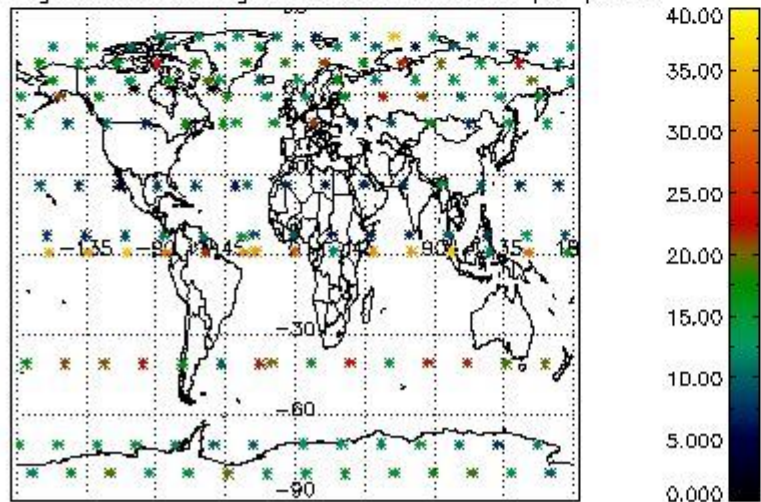
Percentage of cosmic ray hits per profile



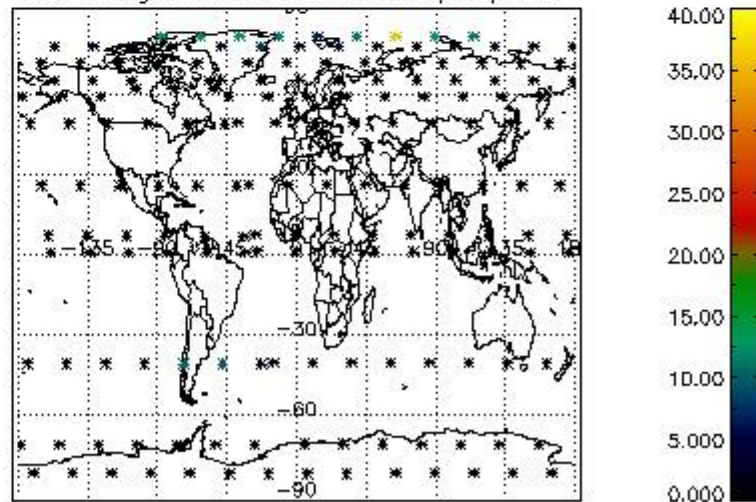
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

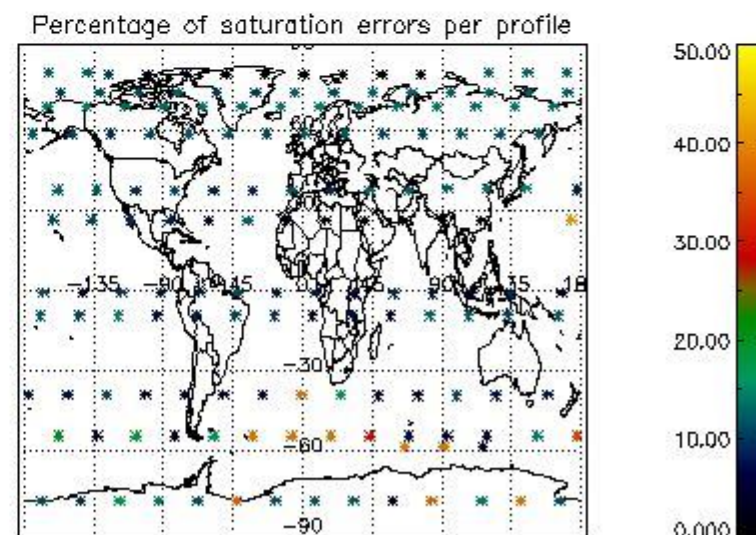
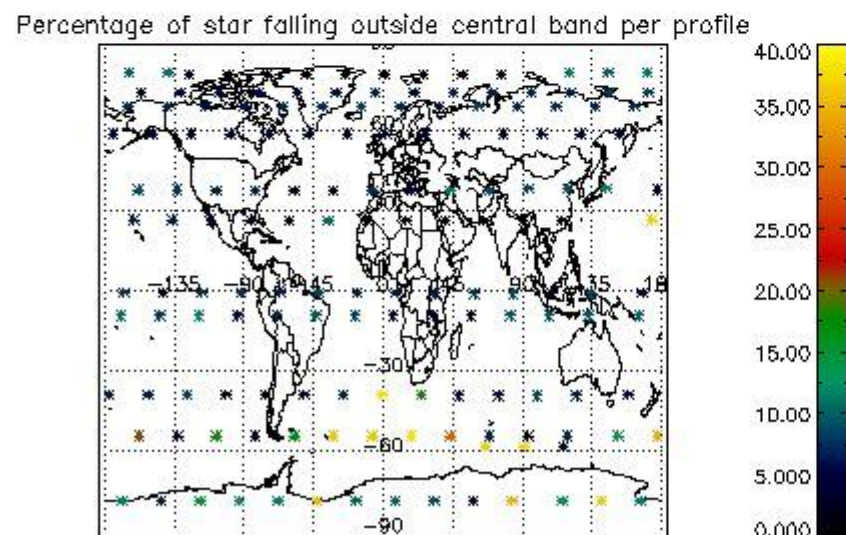
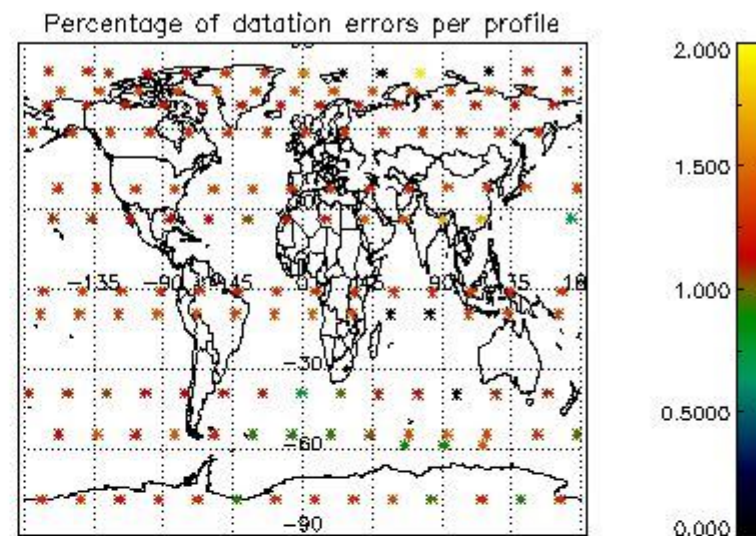
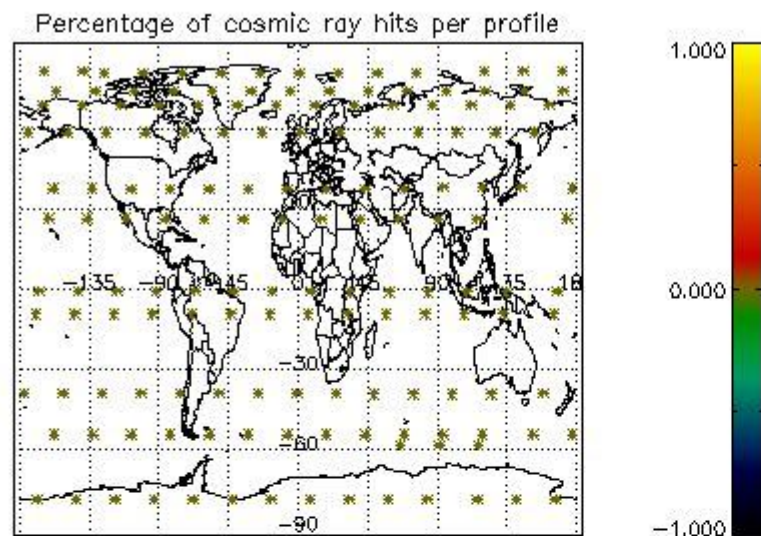


Percentage of saturation errors per profile



4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes





## 5. Trace gas profiles

### 5.1 Ozone statistics based on quality of products

The final quality of the products can be "measured" using the STD (Standard Deviation) attached to every point profile. This information is written to the parameter GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/o3\_std of the level 2 products. The table below shows the statistics for given STD ranges.

The statistics are given with respect to the overall valid production:

- Products without fatal errors: GOM\_NL\_\_2P/MPH/PRODUCT\_ERR=0
- Valid point profile: GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/pcd(0)=0

The 'Criteria' is applied to valid points of dark limb products:

- Products in dark limb illumination condition: GOM\_NL\_\_2P/NL\_SUMMARY\_QUALITY/obs\_ill\_cond=0
- Products without fatal errors: GOM\_NL\_\_2P/MPH/PRODUCT\_ERR=0
- Valid point profile: GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/pcd(0)=0

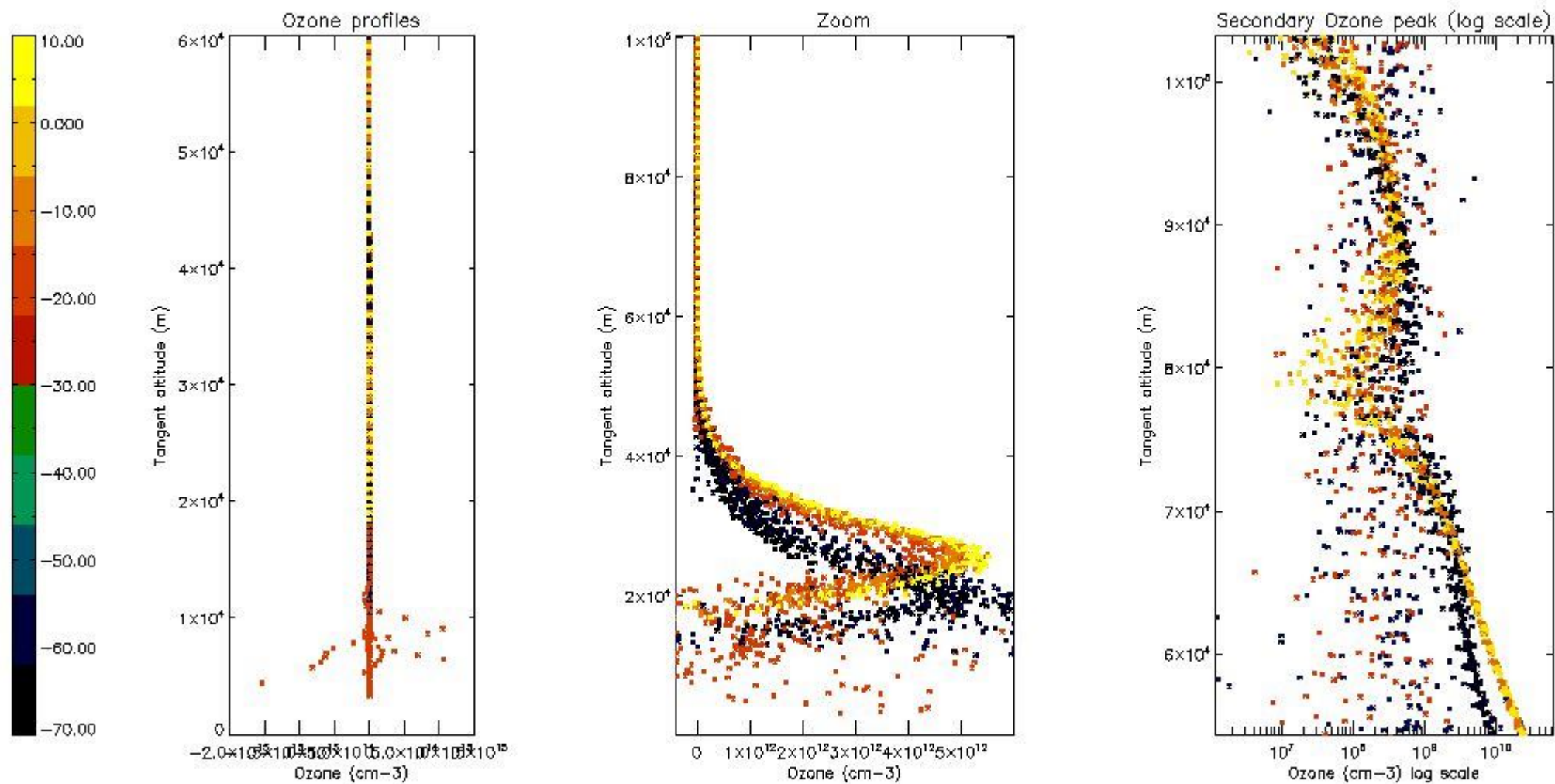
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	25
STD < 20	13

STD < 10	10
STD < 5	7

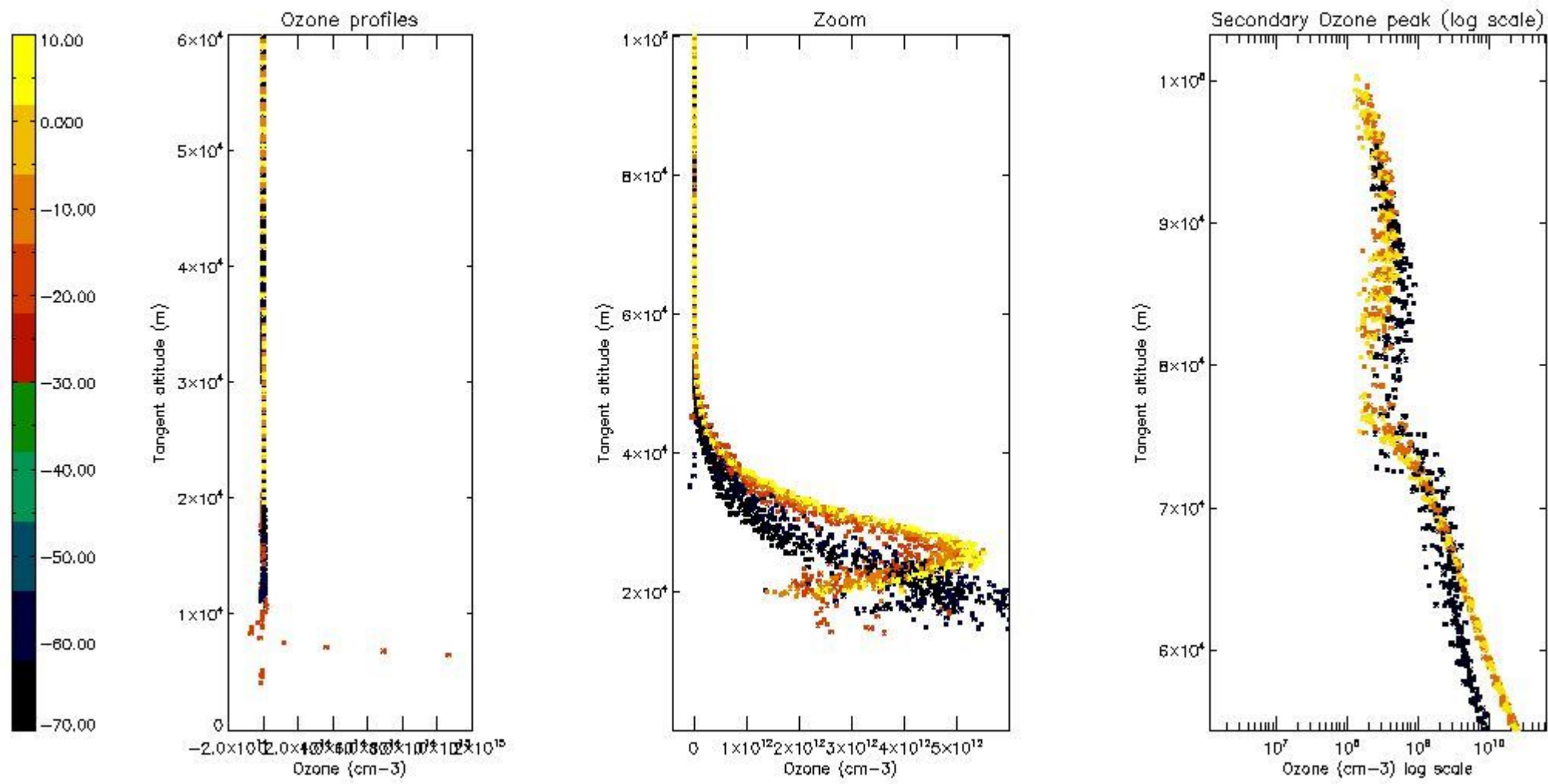
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



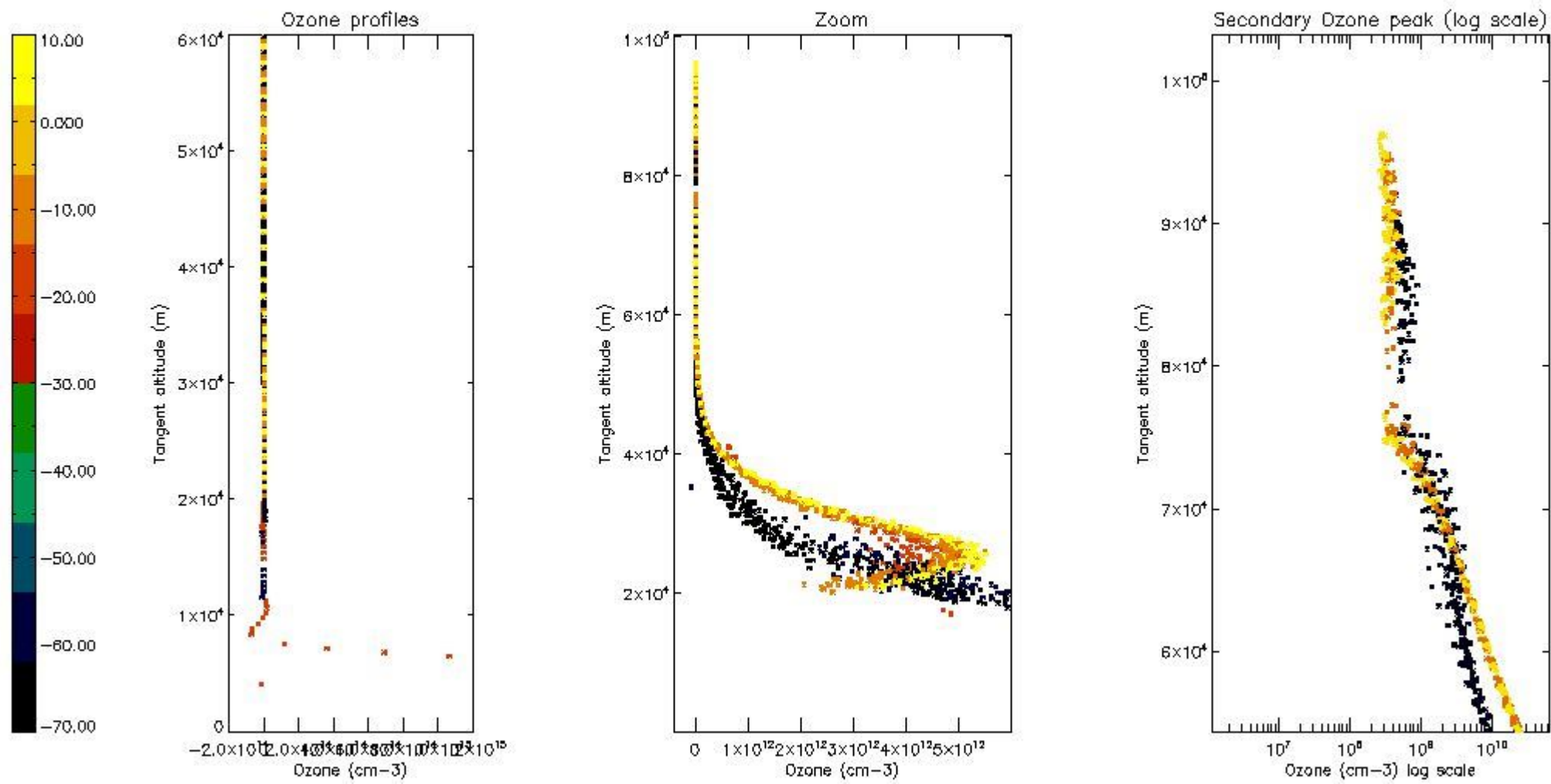
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



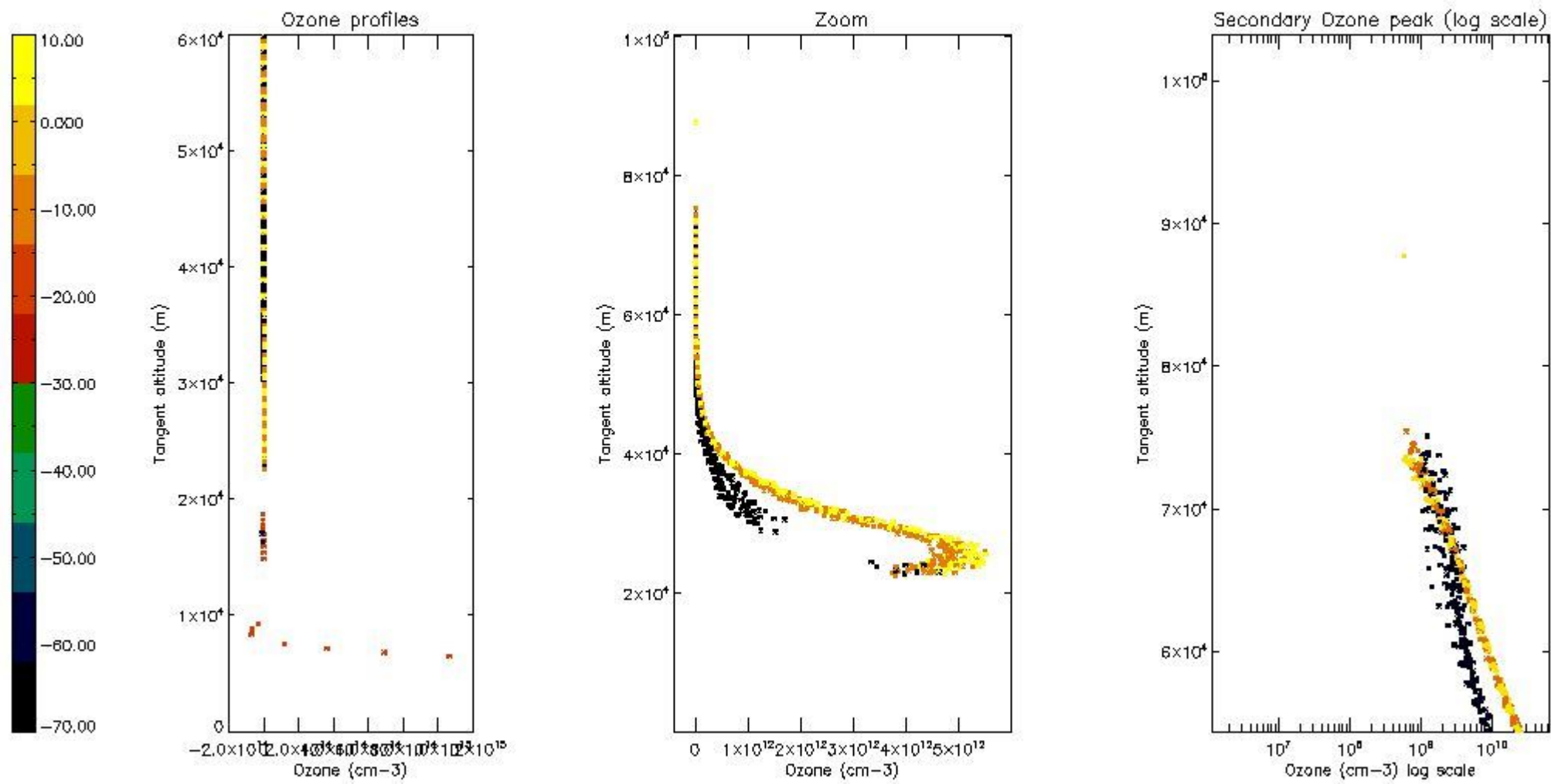
*5.4 Plot ozone profiles where STD < 10% (dark without errors)*

The colorbar represents the latitude.



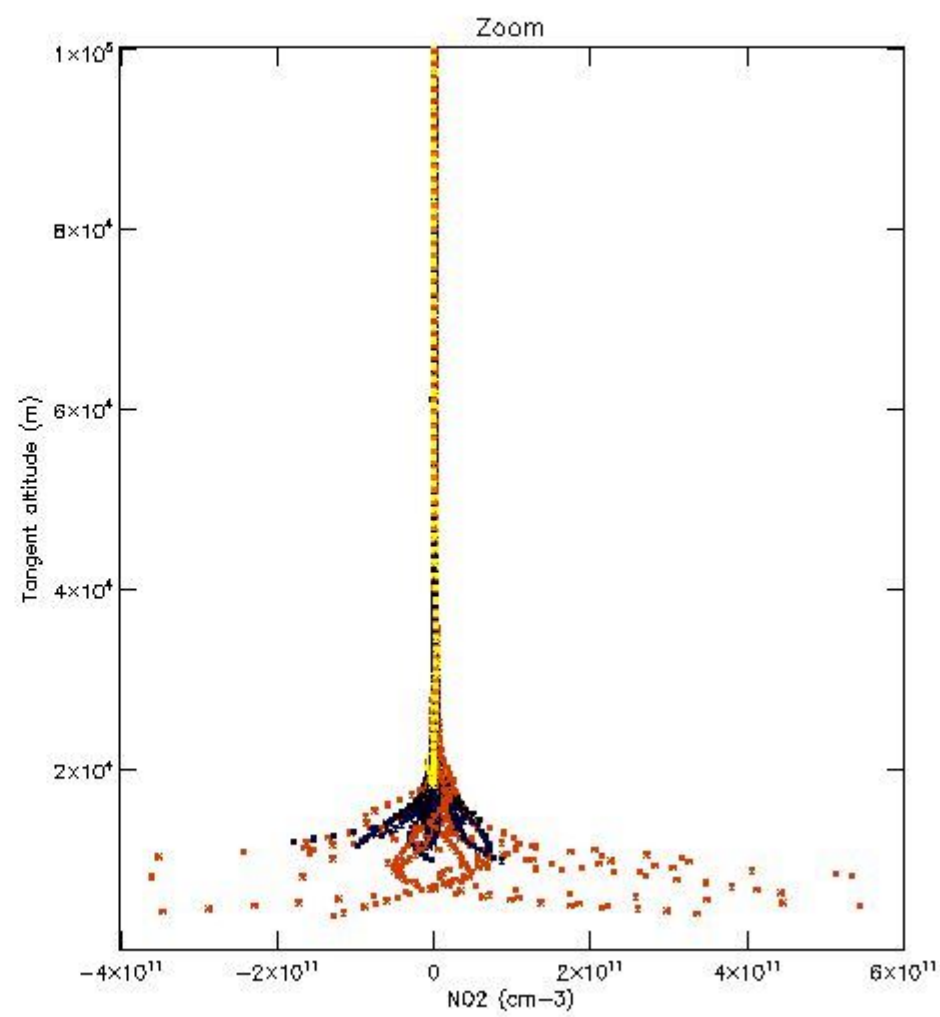
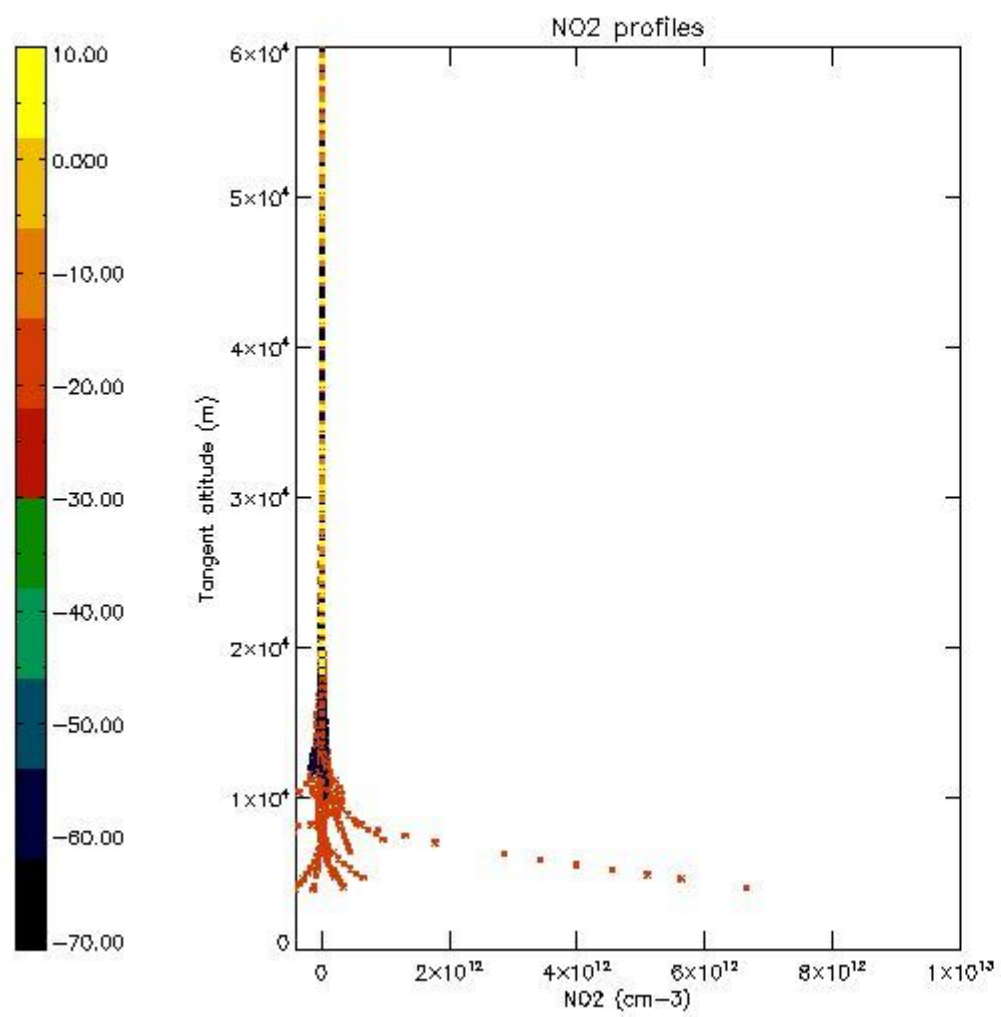
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



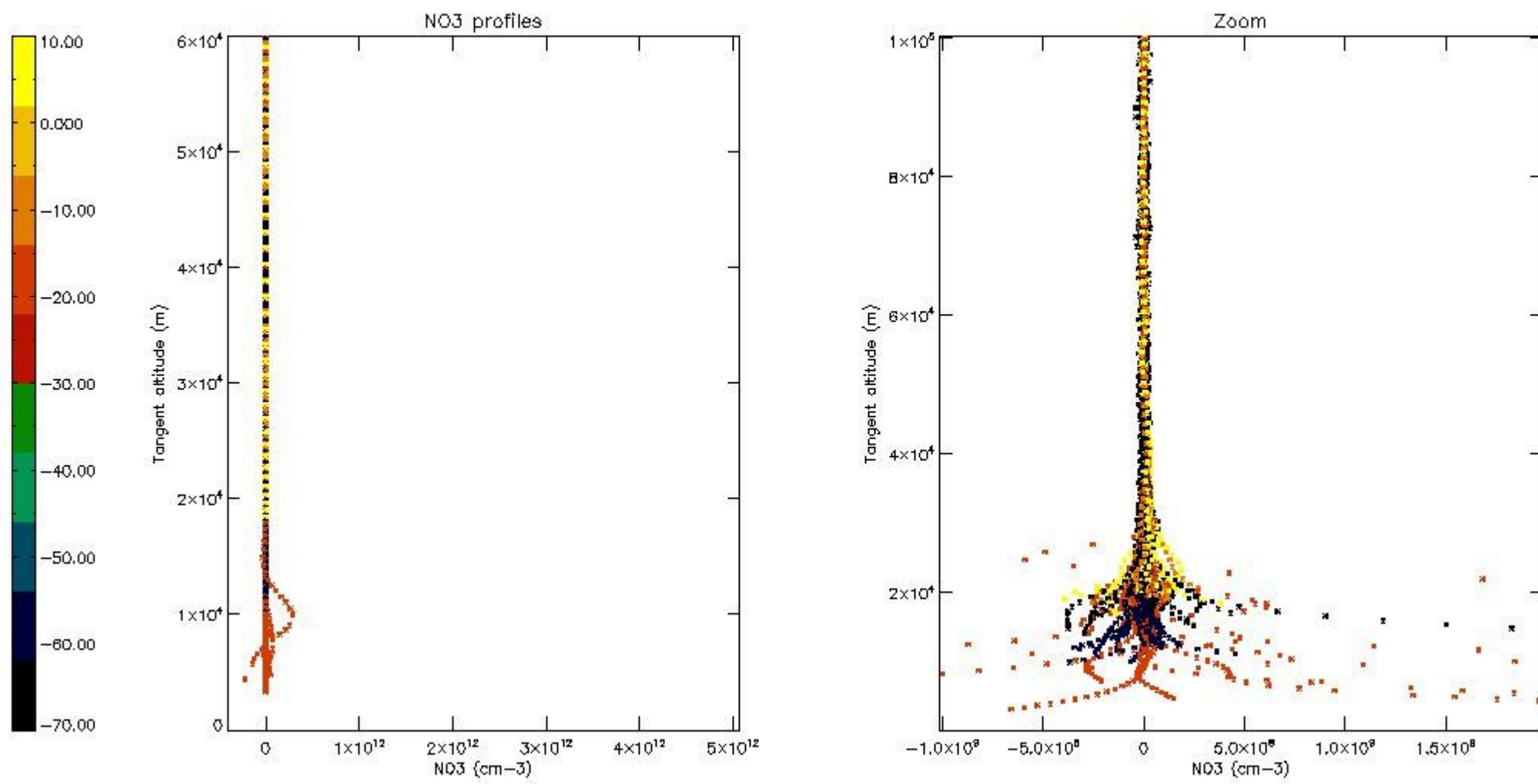
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



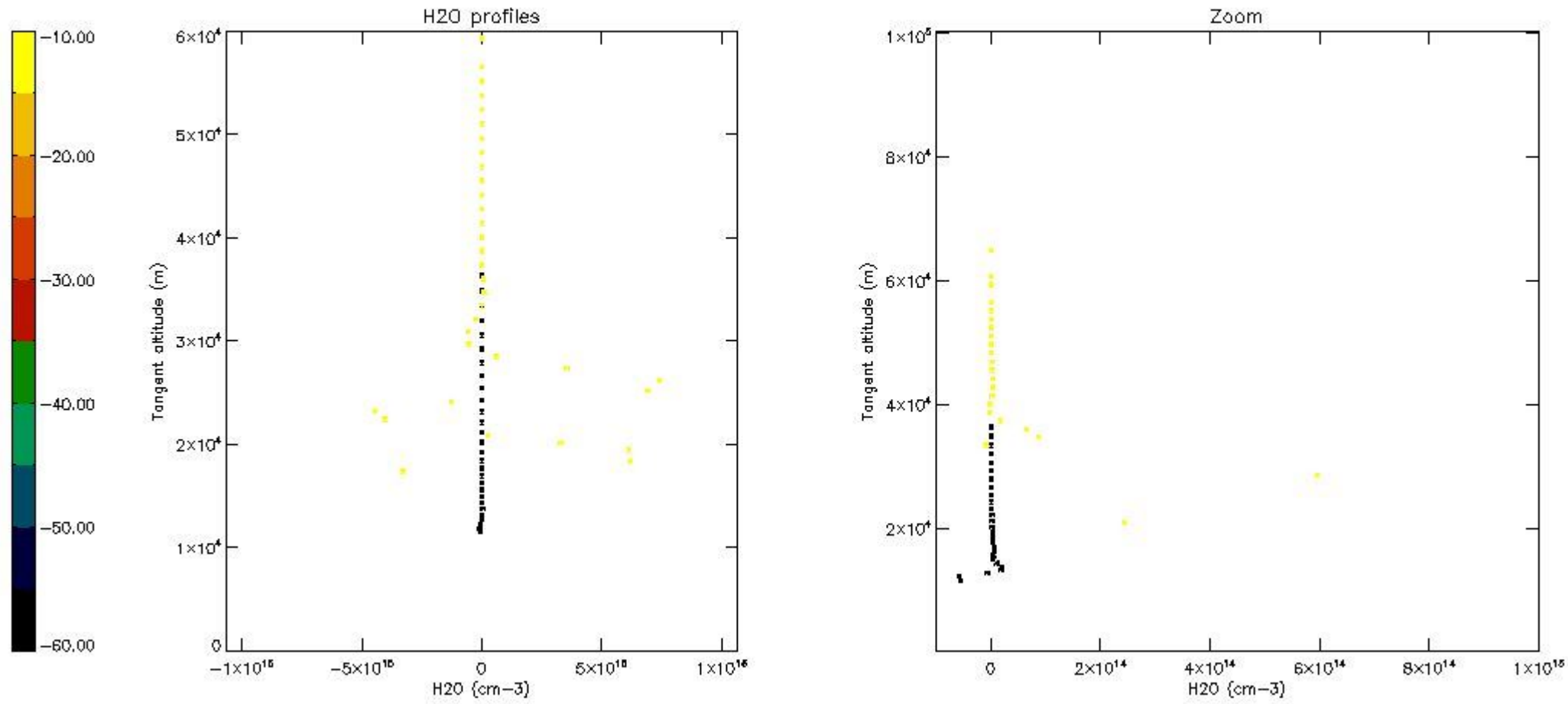
*5.7 Plot NO3 profiles for all STD (dark without errors)*

The colorbar represents the latitude.



*5.8 Plot H2O profiles for all STD (only for occultations of stars 1,2,3,4,13,14,16,26,63 dark without errors)*

The colorbar represents the latitude.

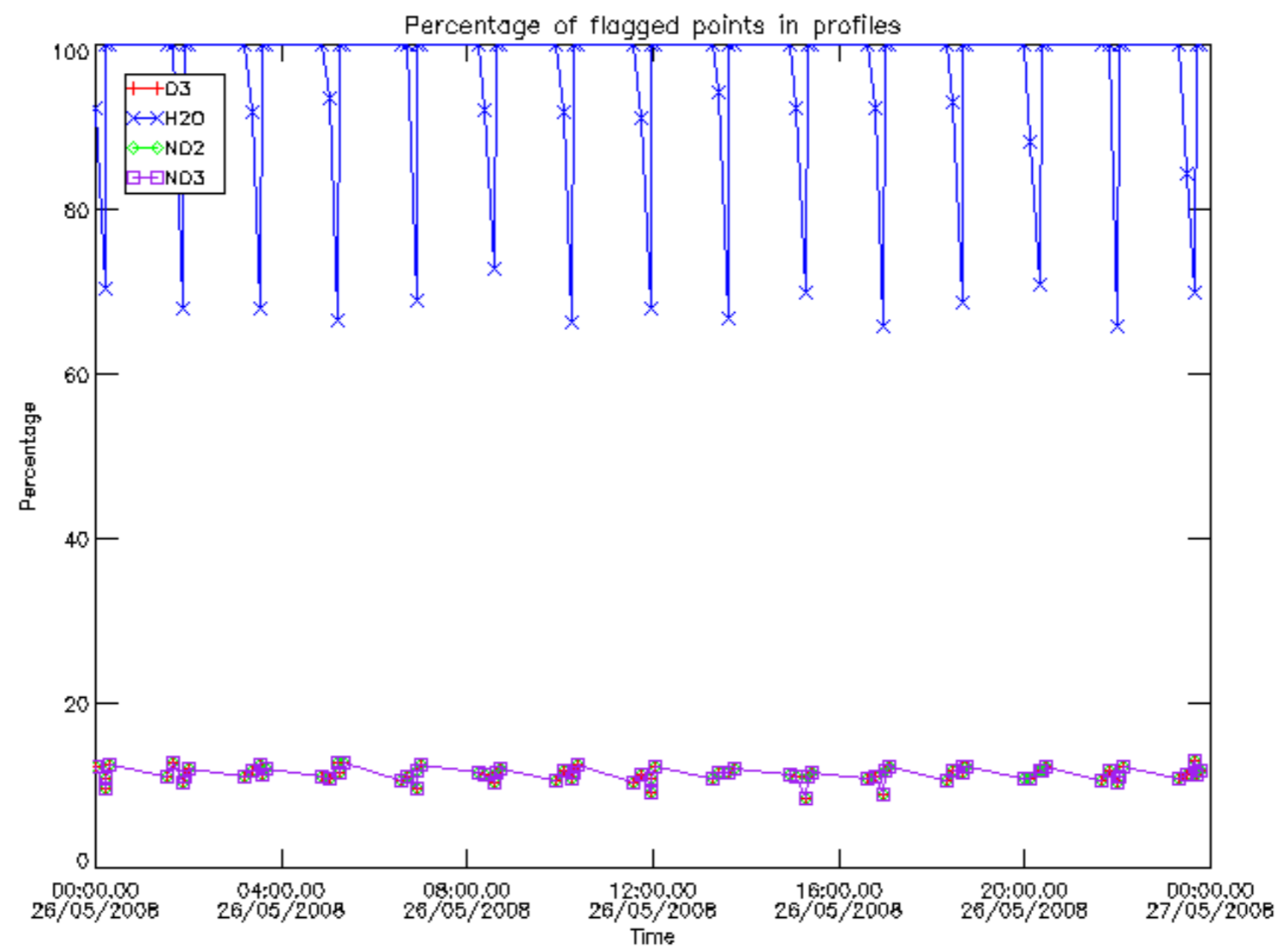


## 6. Auxiliary Data Files used for the production reported in section 2

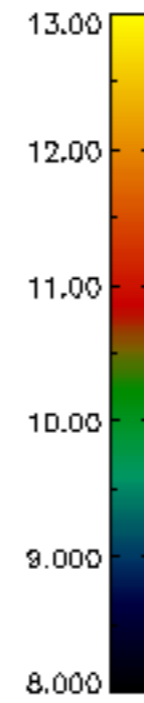
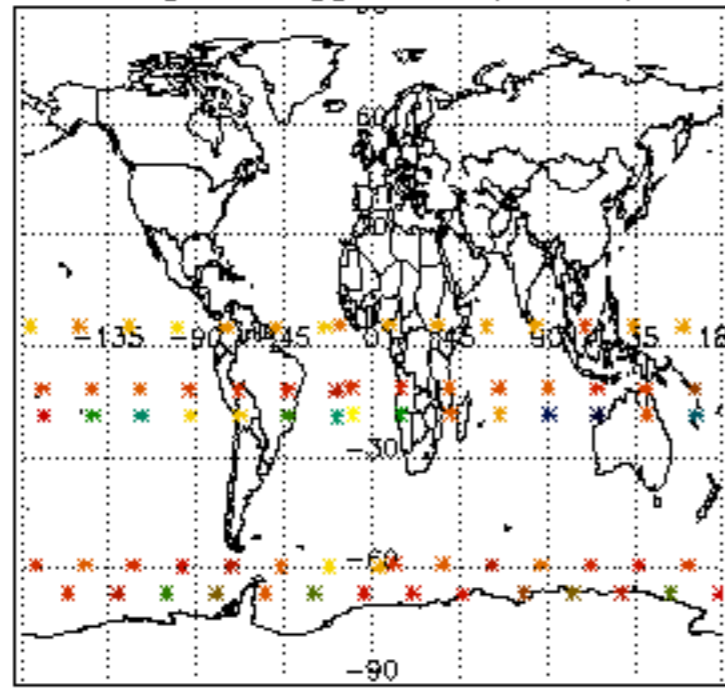
The number reported in the third column indicates since which file (see list in section 2) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	26-MAY-2008 00:00:14
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	26-MAY-2008 00:00:14
CROSS_SECTIONS_FILE	GOM_CR2_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	26-MAY-2008 00:00:14

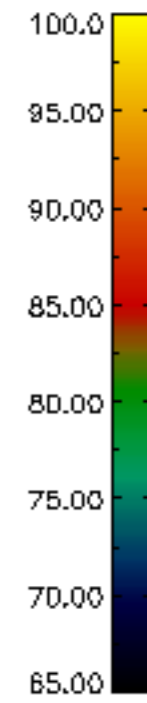
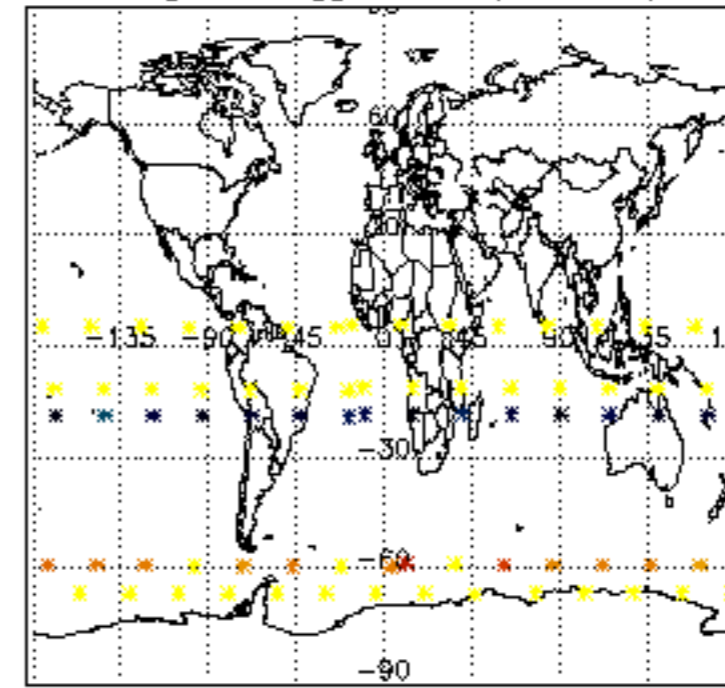




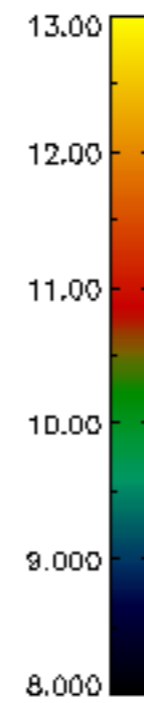
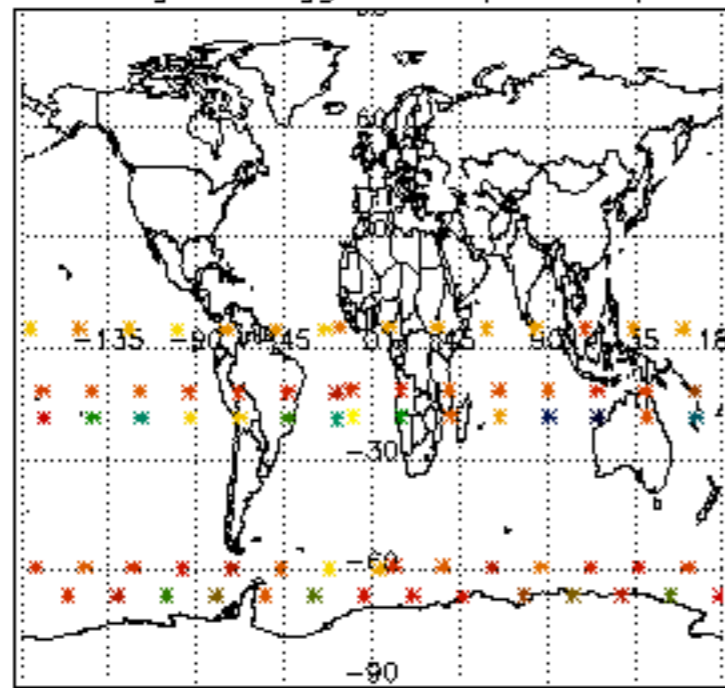
Percentage of flagged data per D3 profile



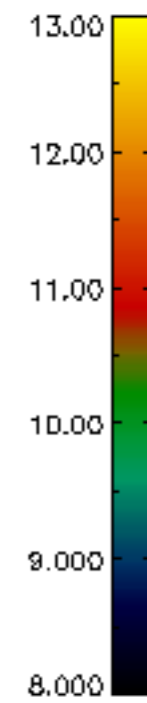
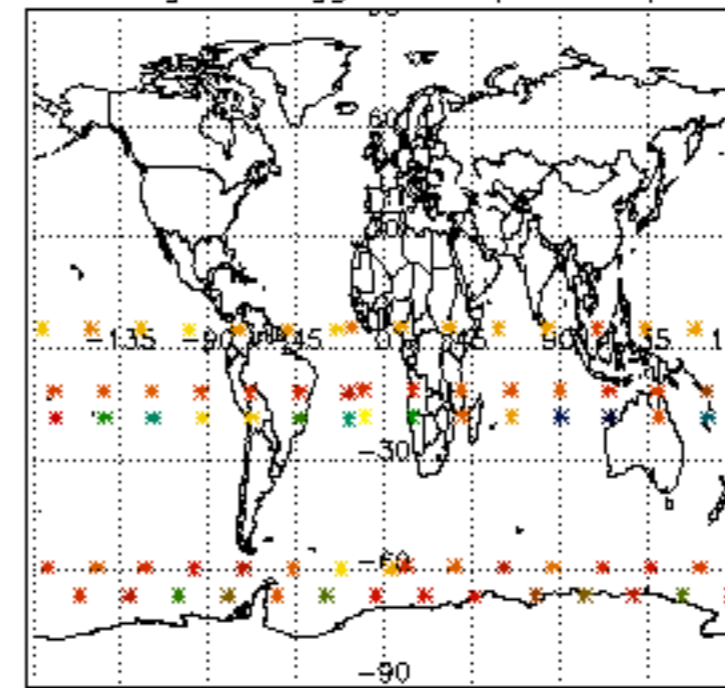
Percentage of flagged data per H2O profile

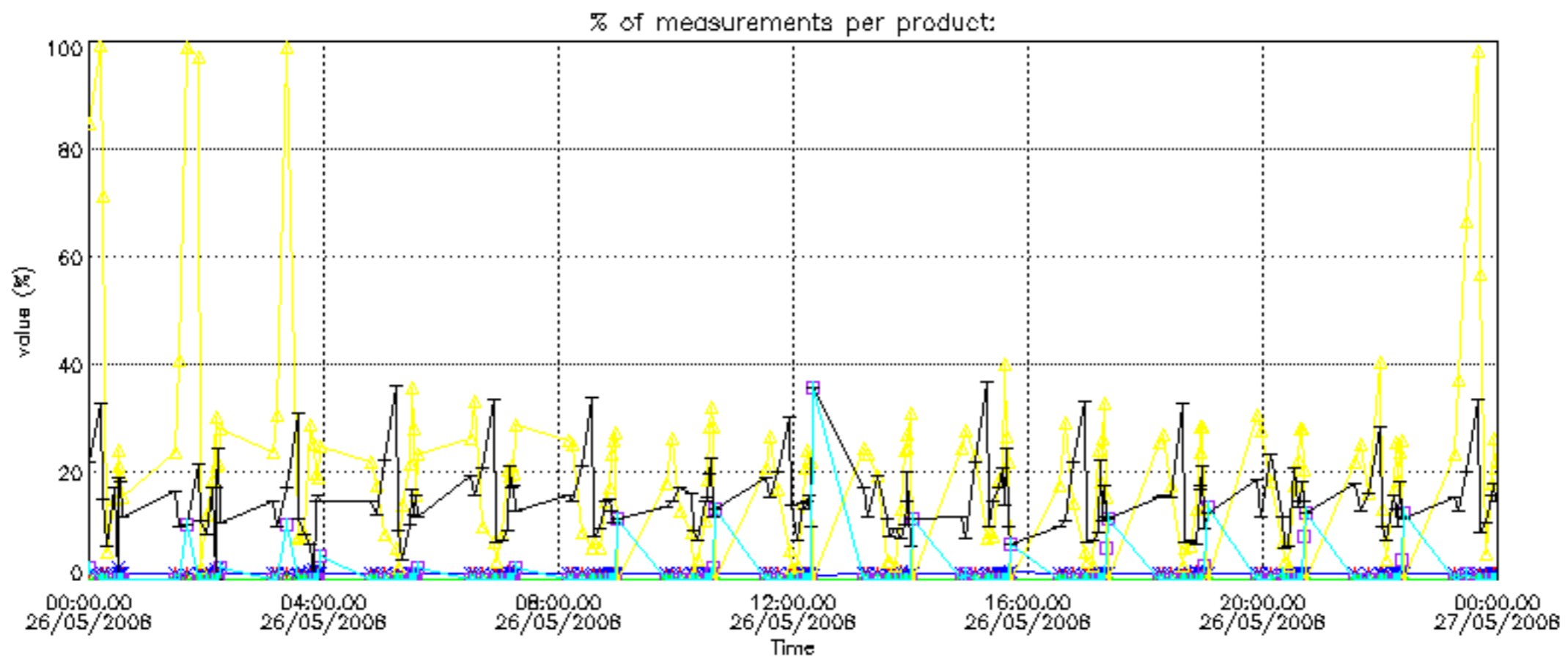


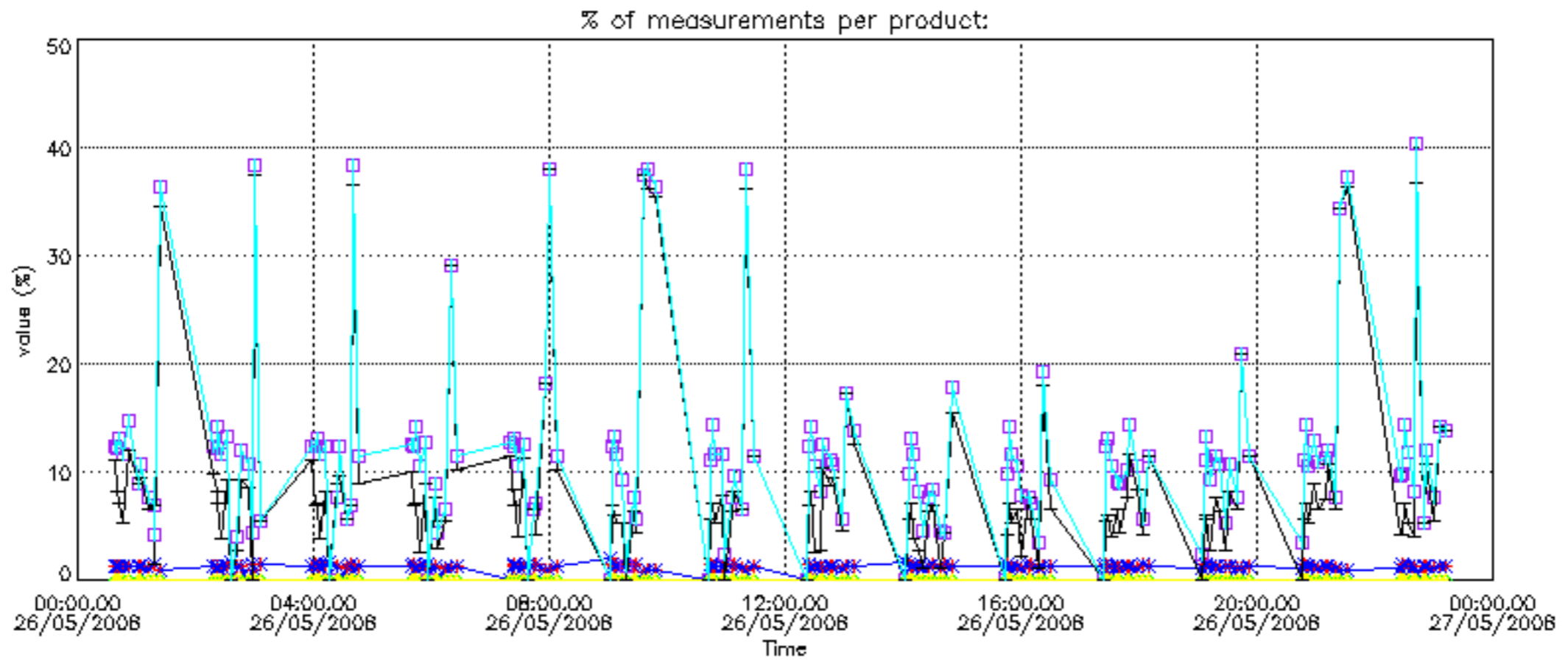
Percentage of flagged data per NO2 profile



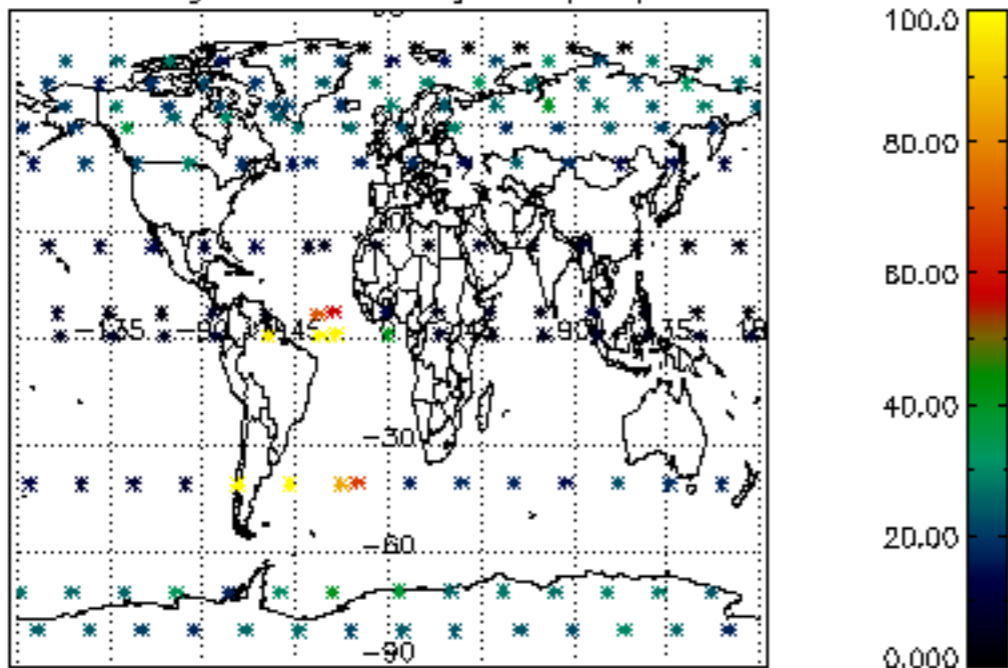
Percentage of flagged data per NO3 profile



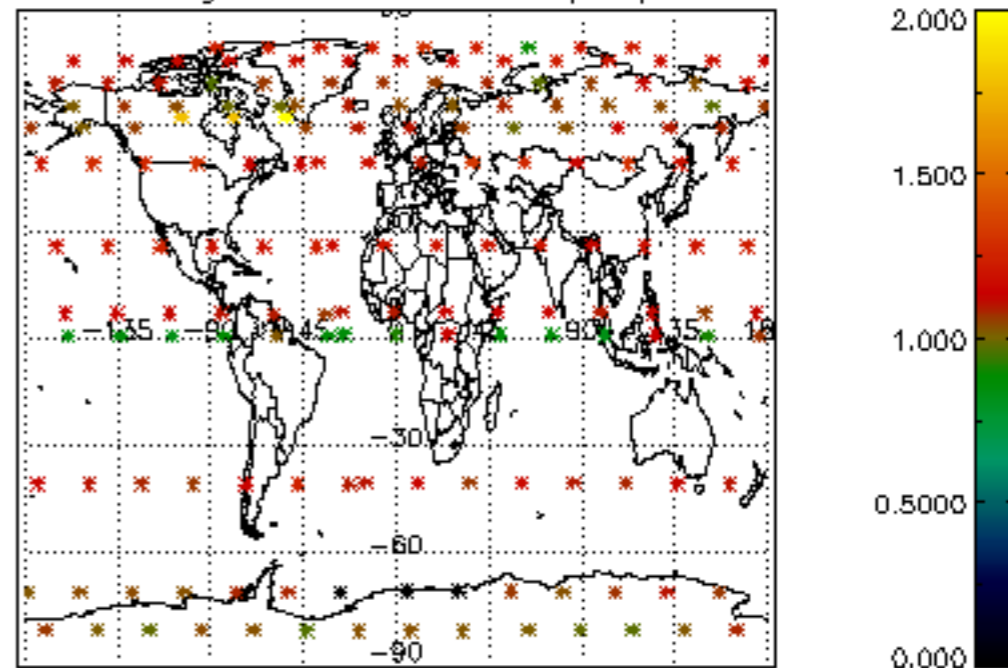




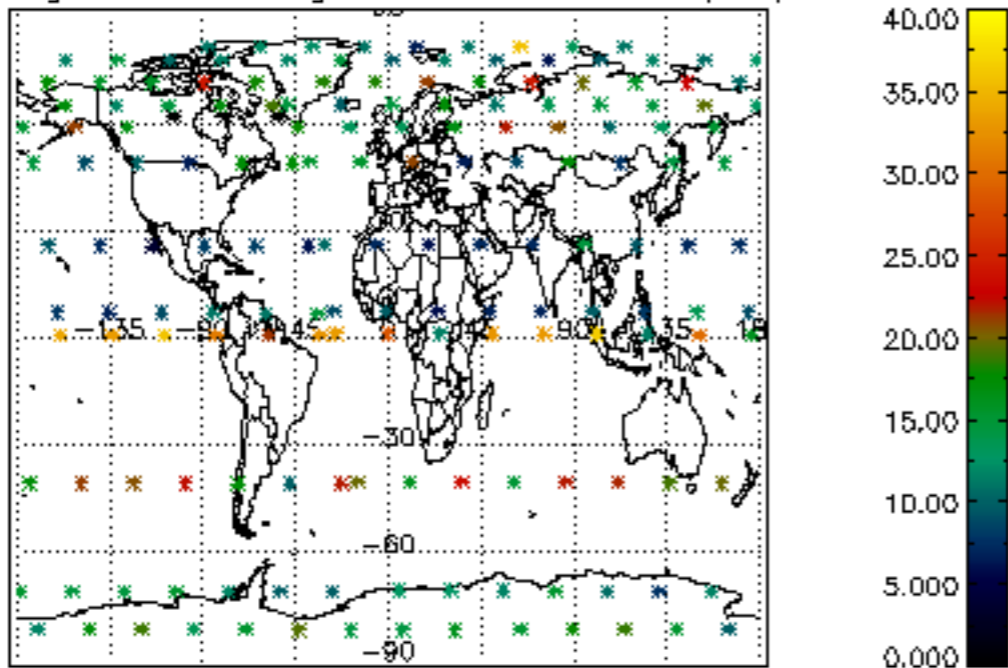
Percentage of cosmic ray hits per profile



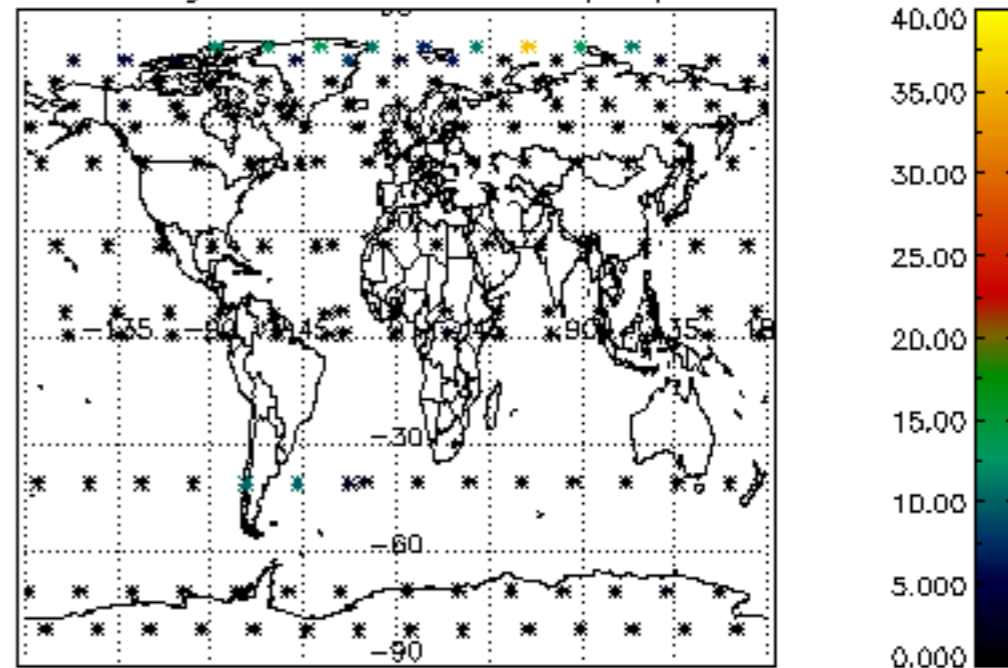
Percentage of datation errors per profile



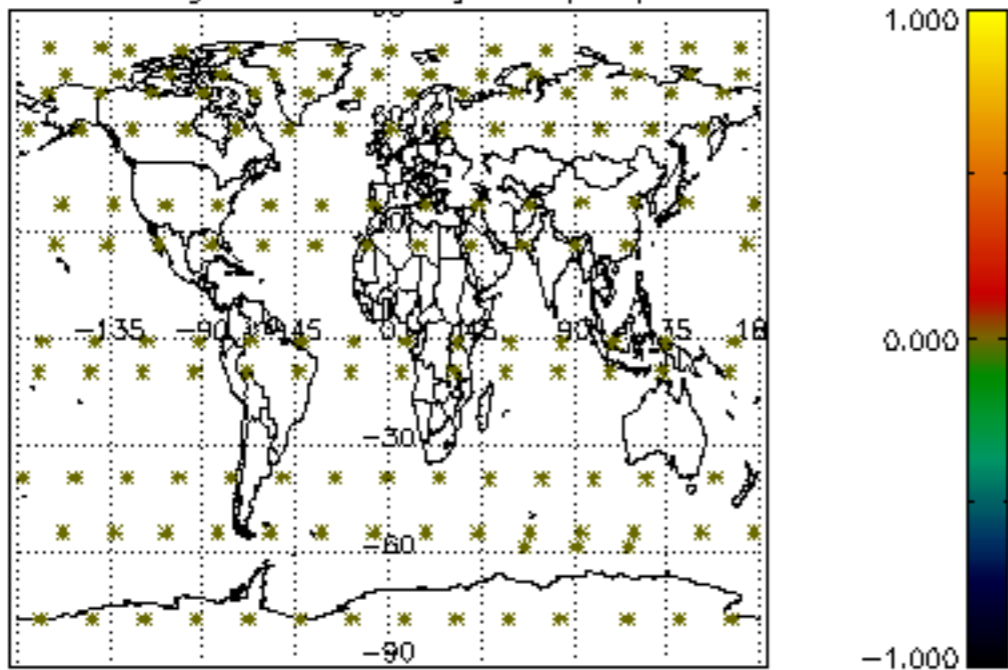
Percentage of star falling outside central band per profile



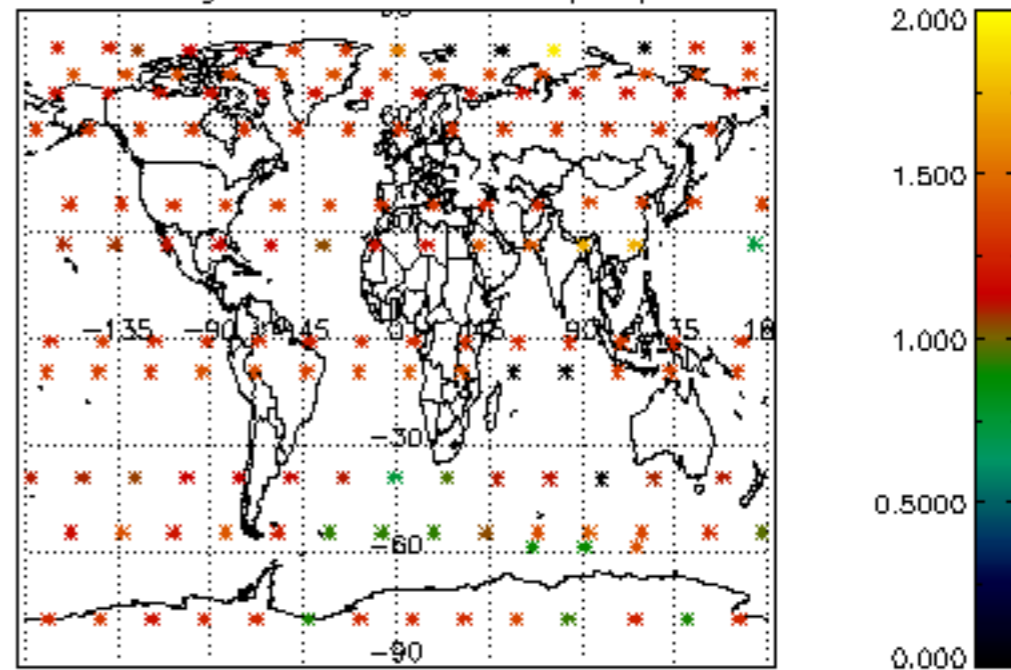
Percentage of saturation errors per profile



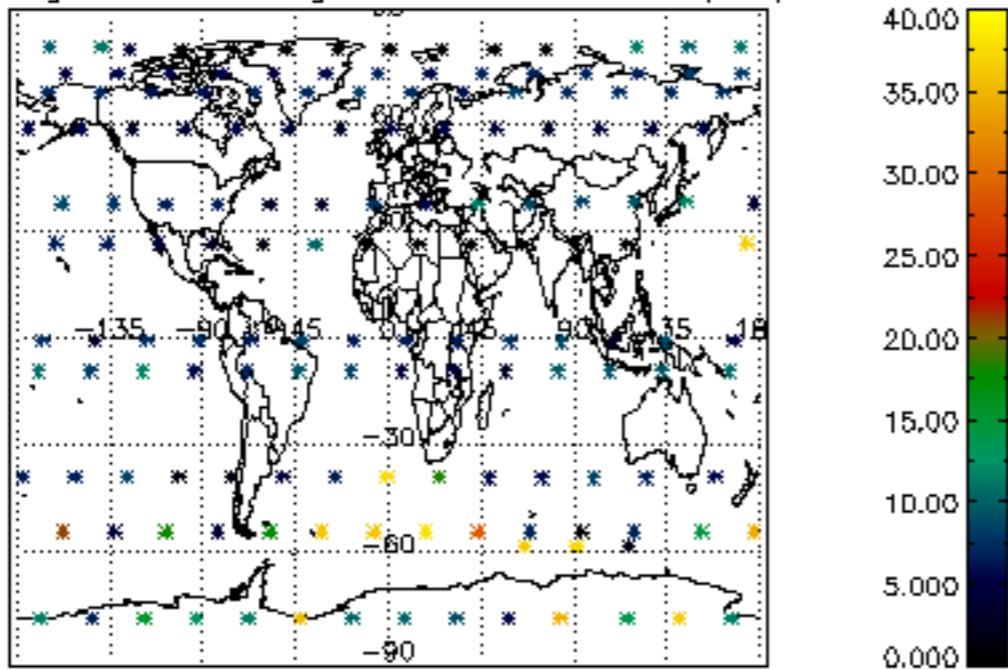
Percentage of cosmic ray hits per profile



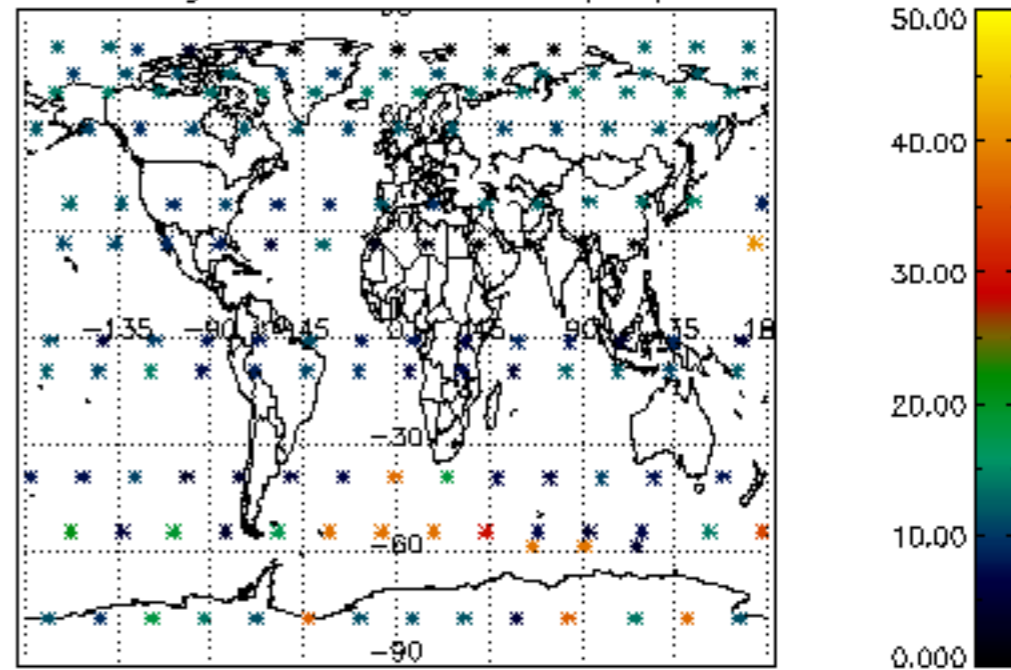
Percentage of datation errors per profile

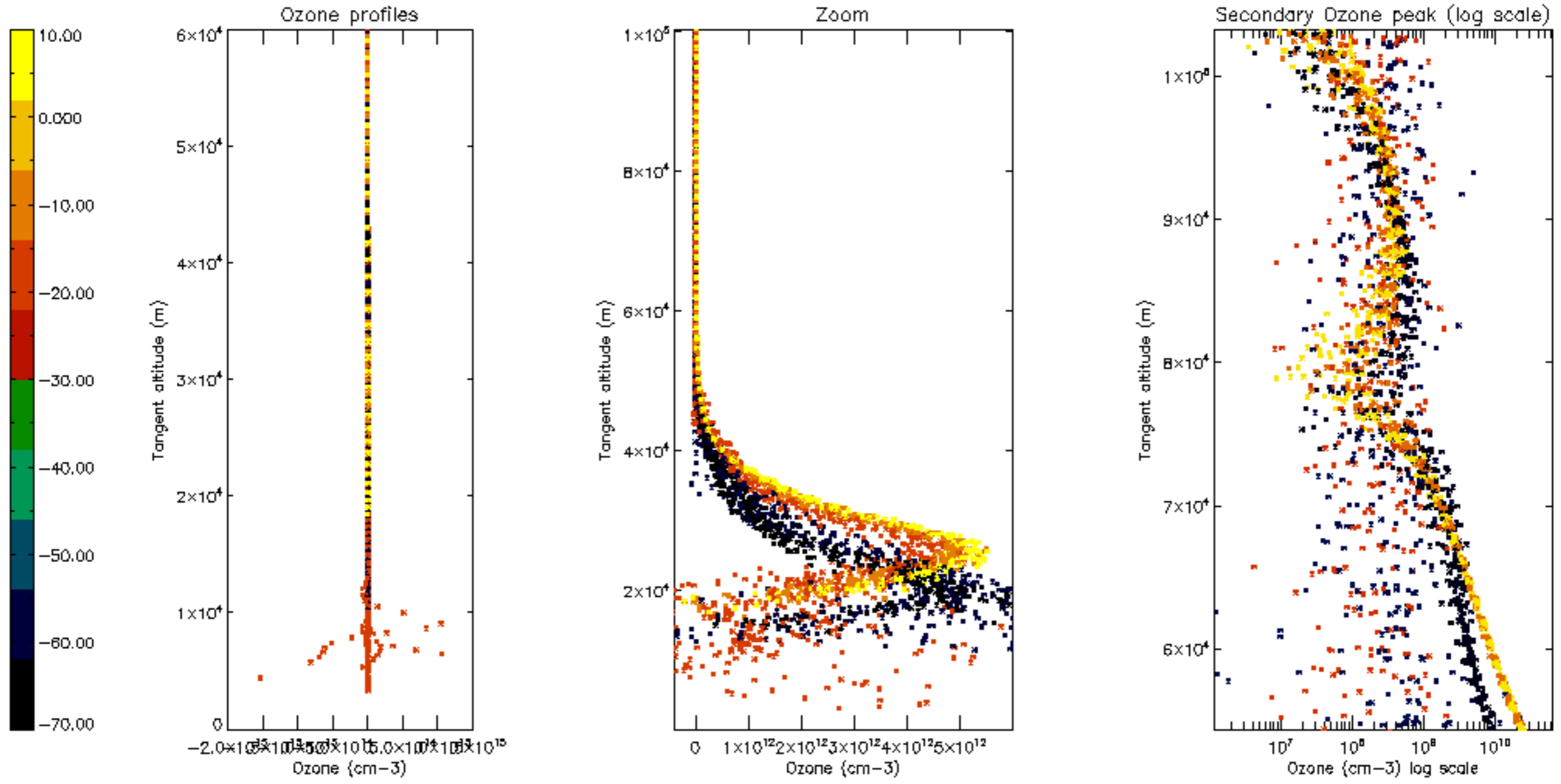


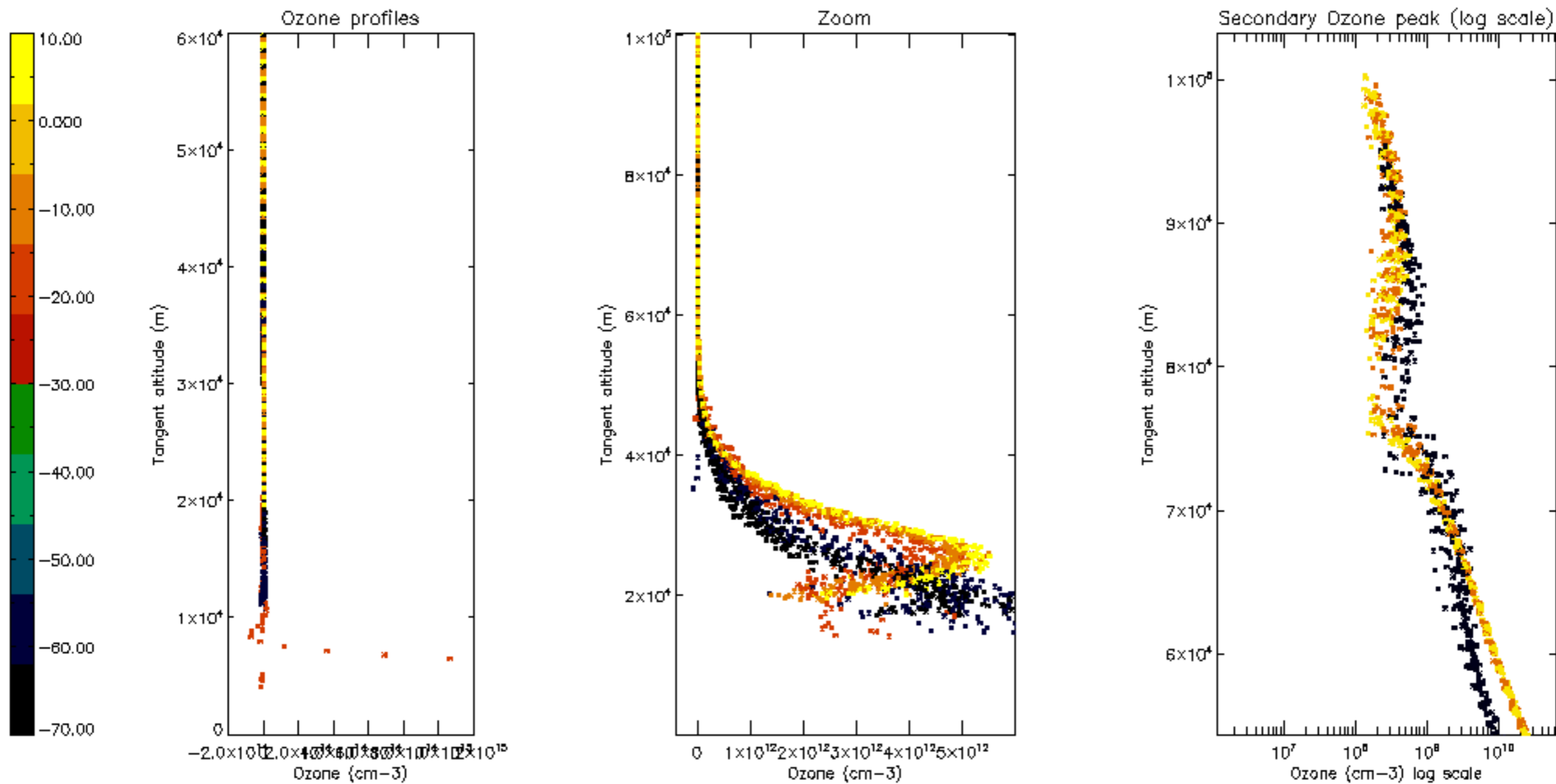
Percentage of star falling outside central band per profile



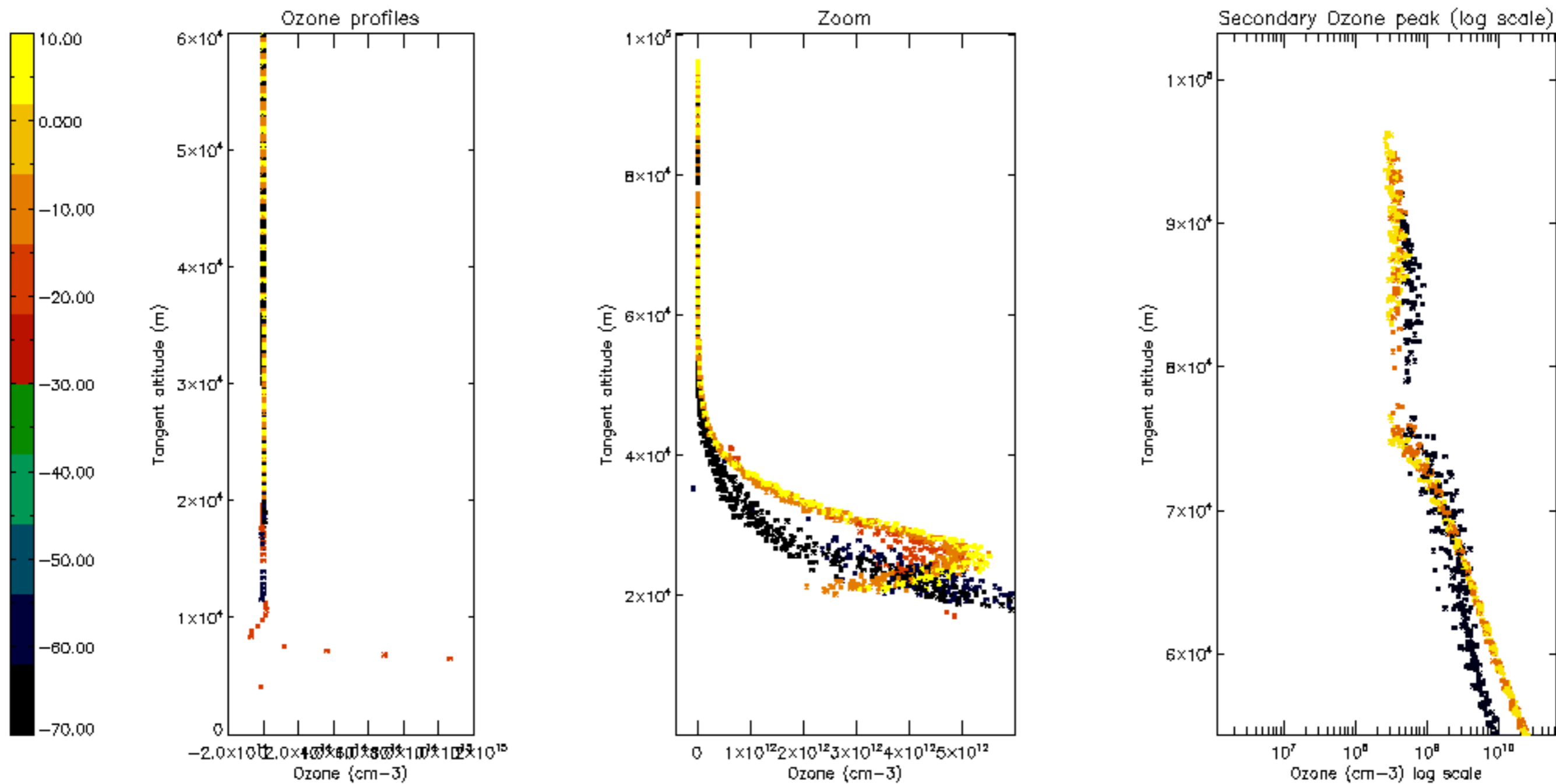
Percentage of saturation errors per profile

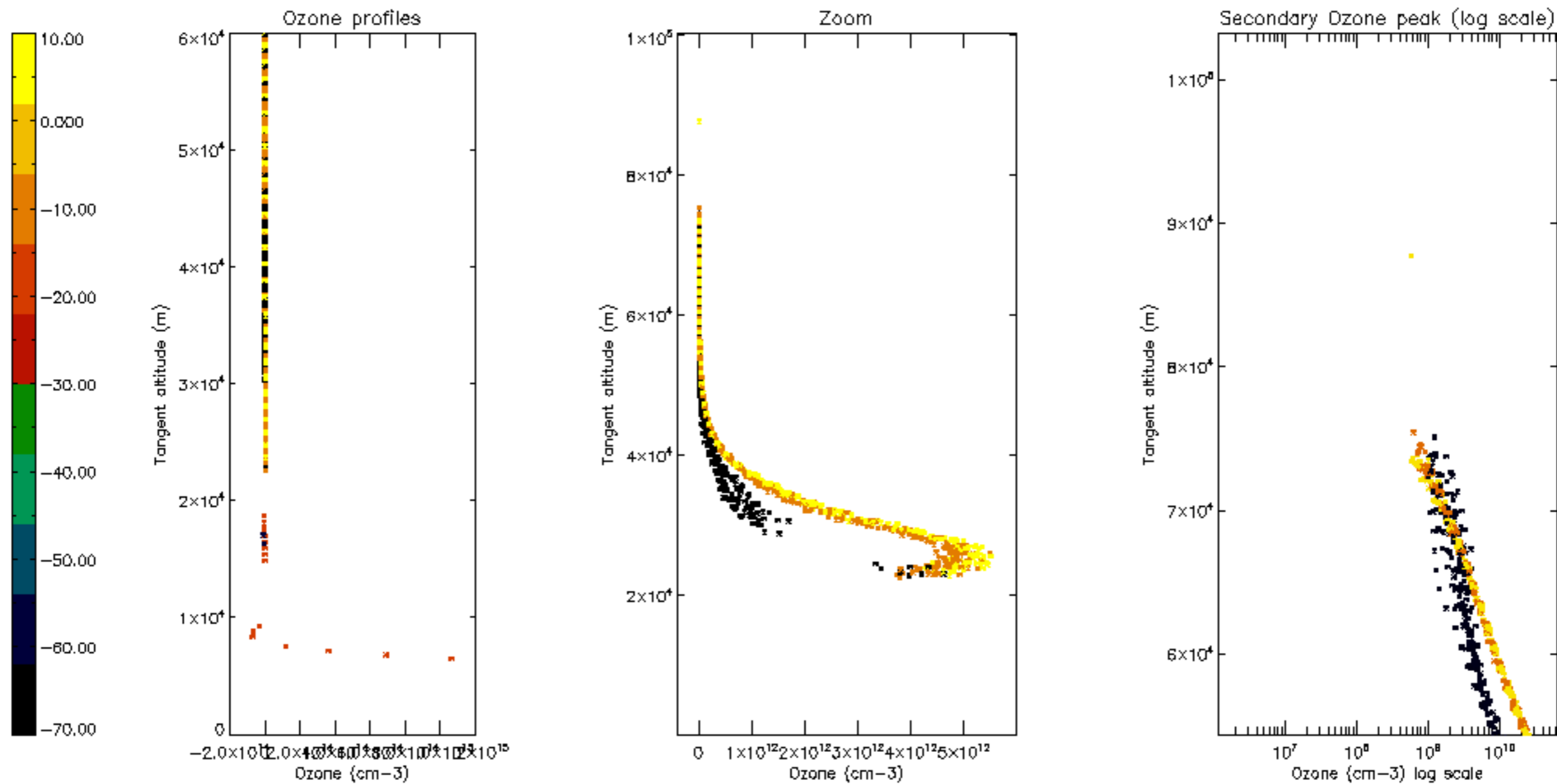


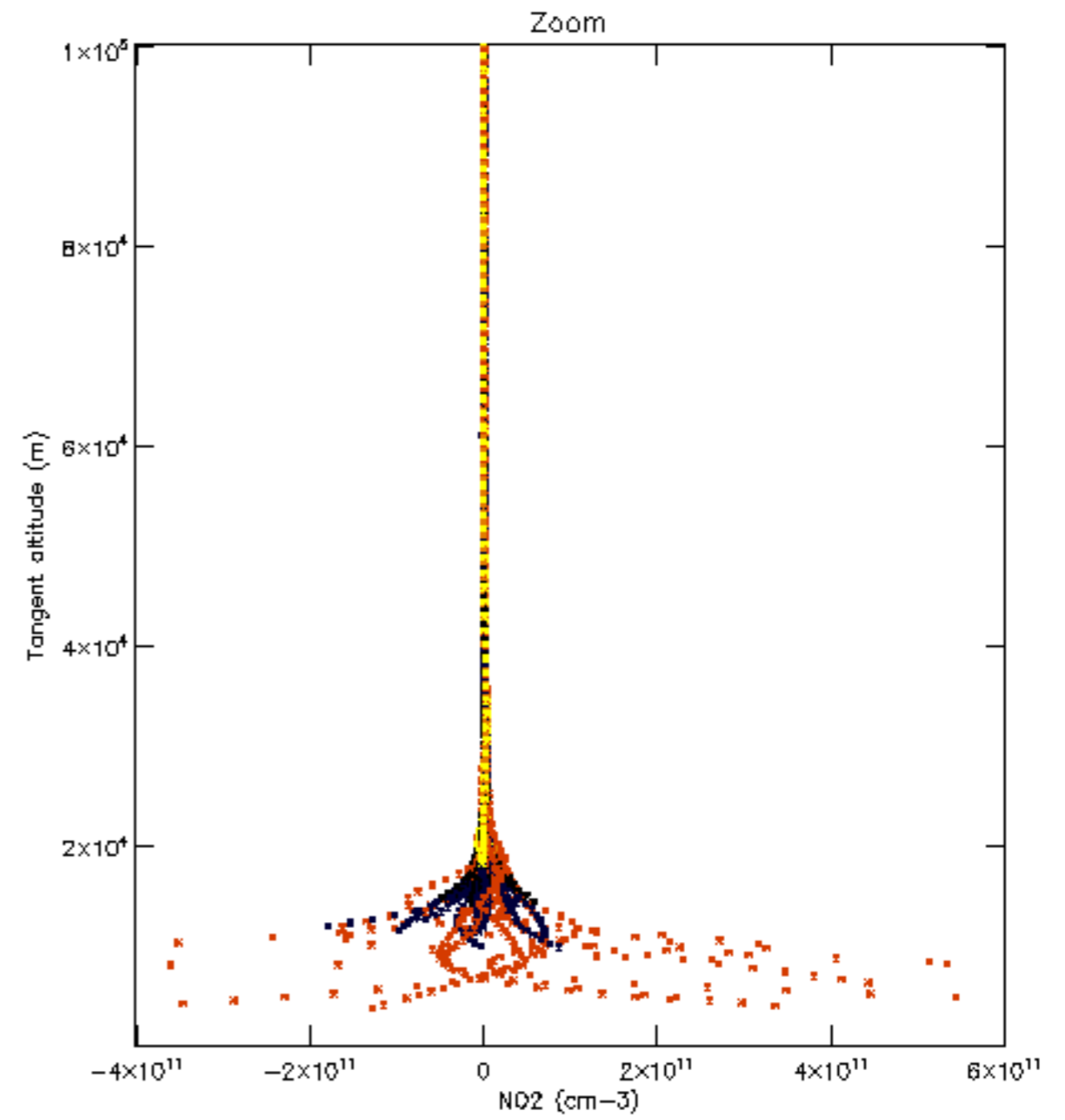
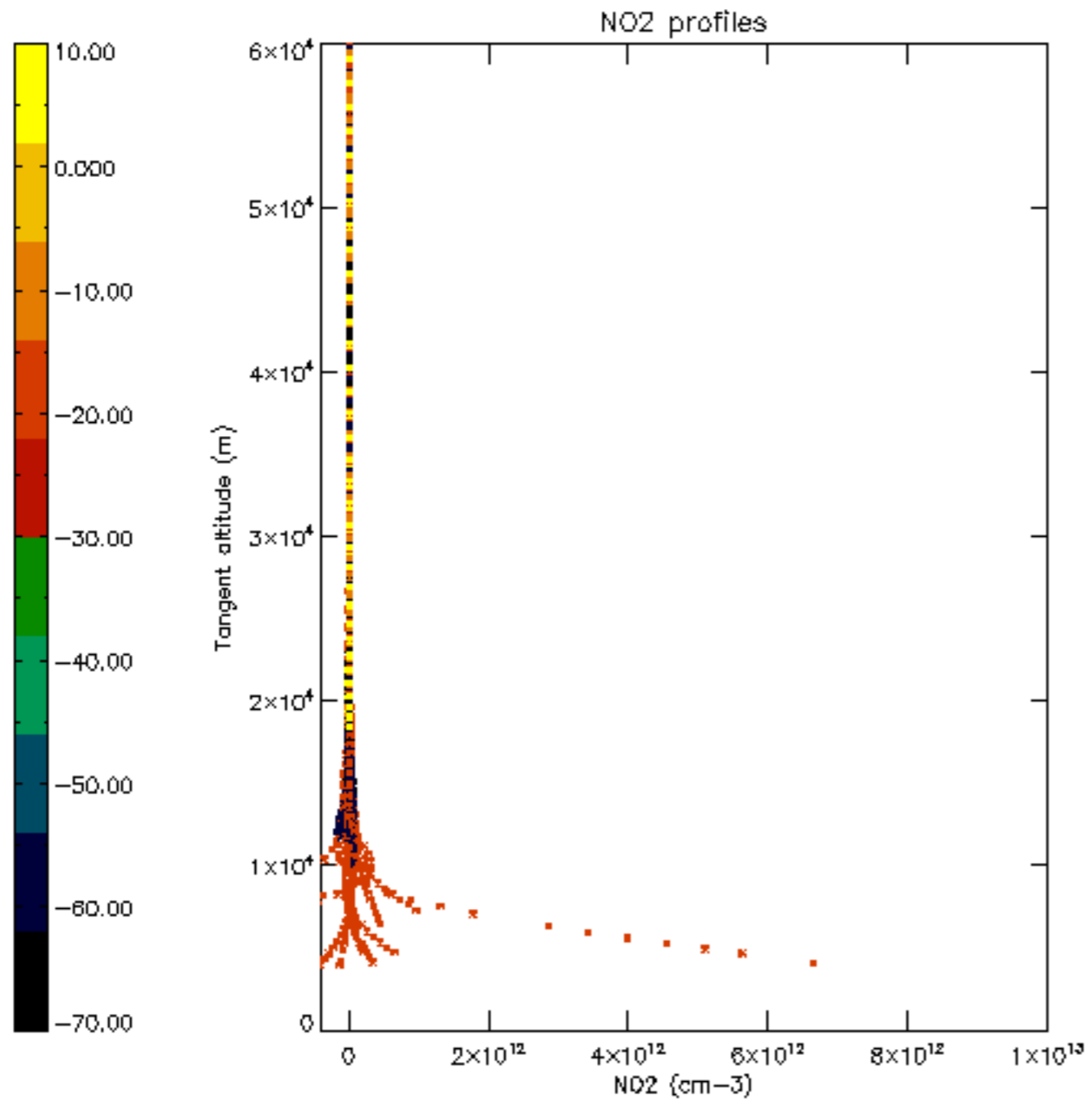


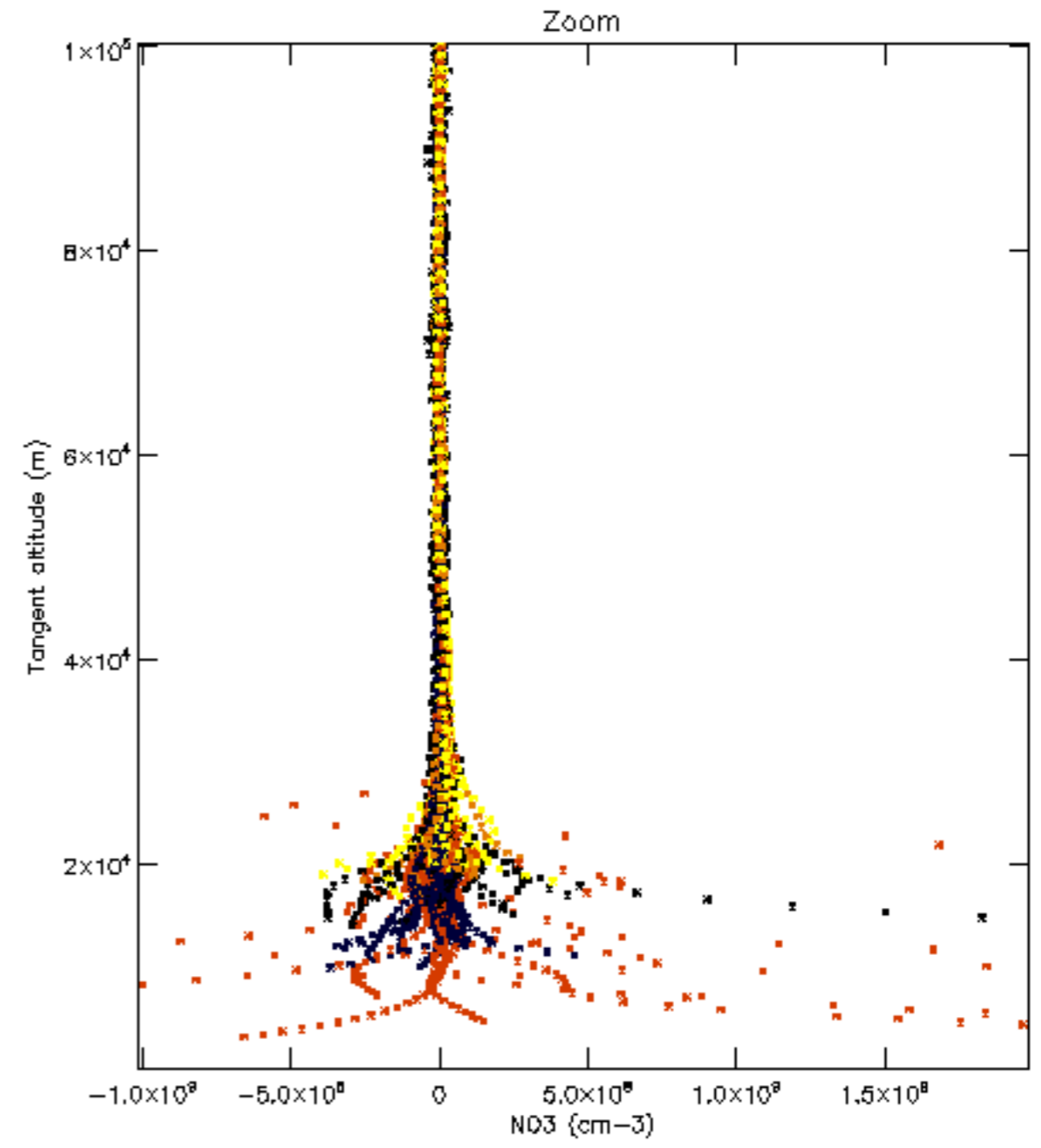
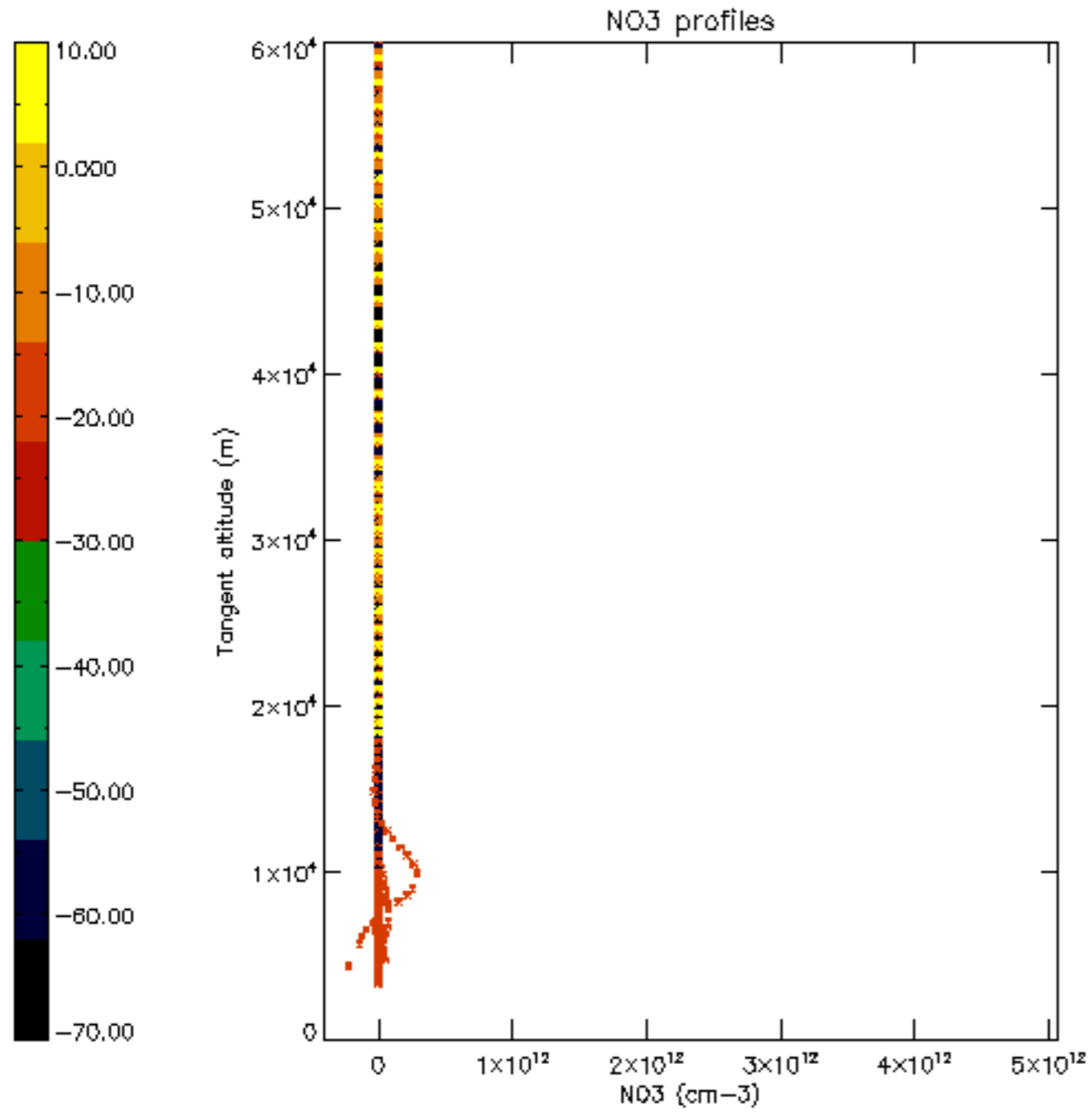


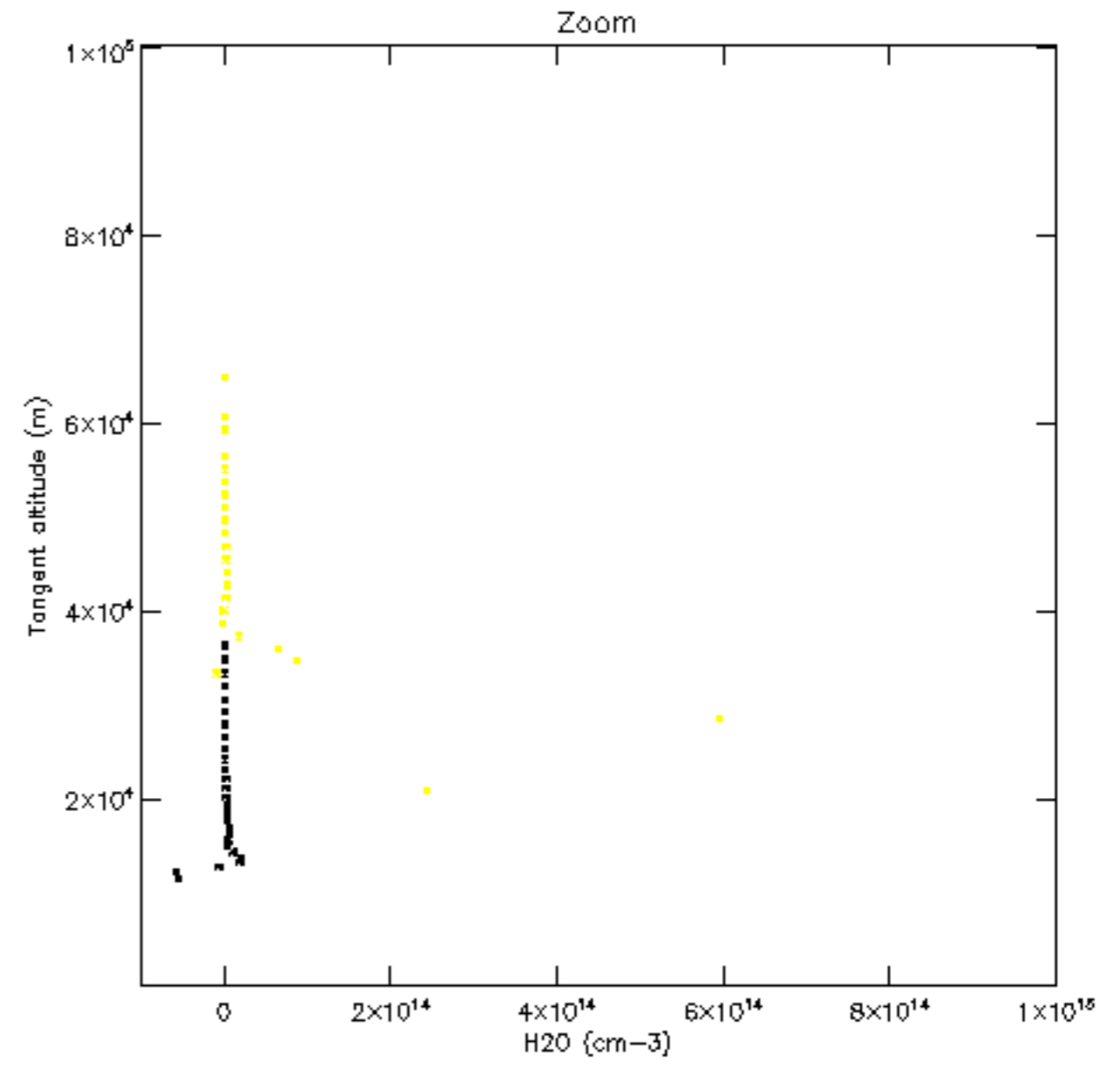
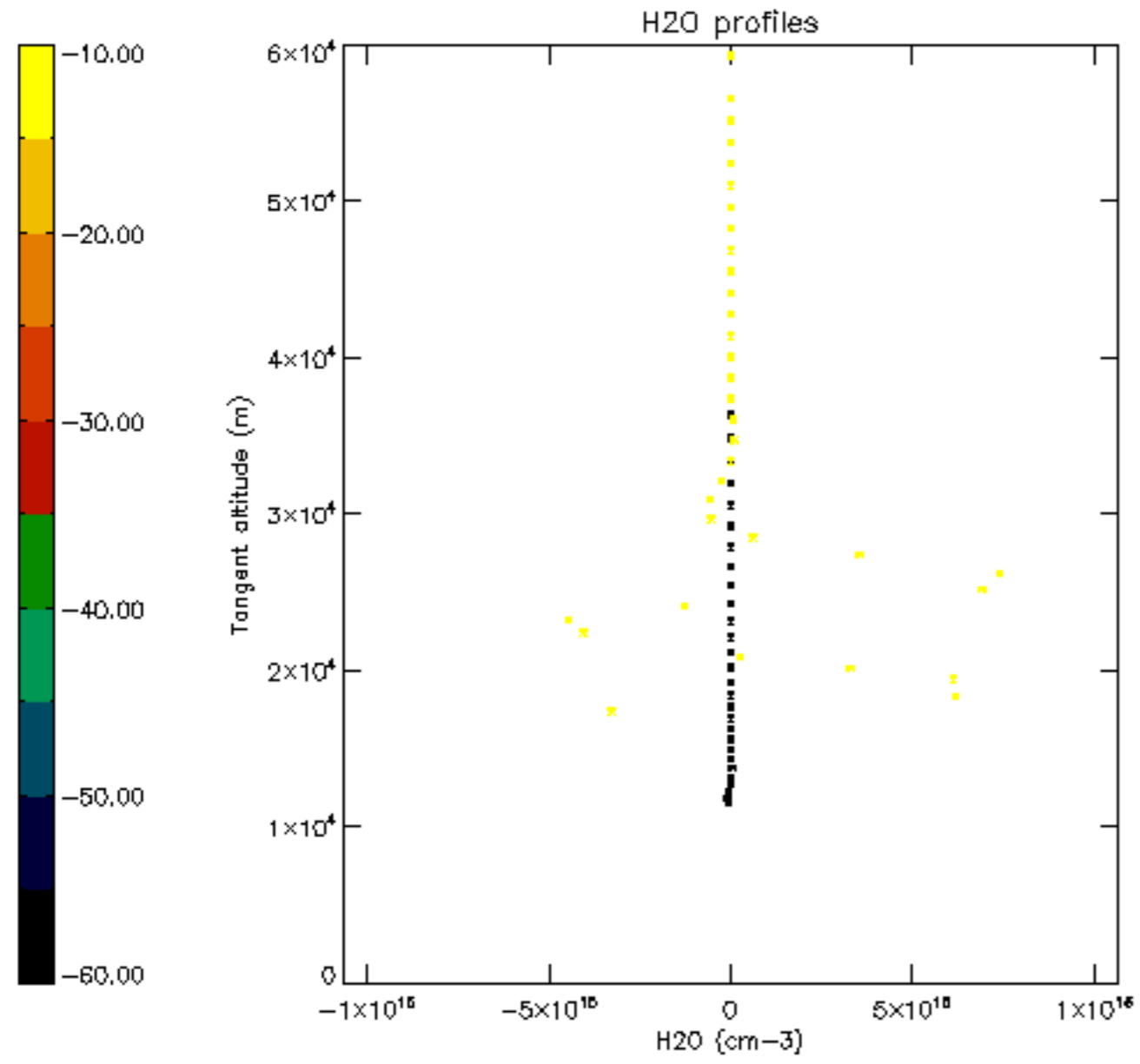


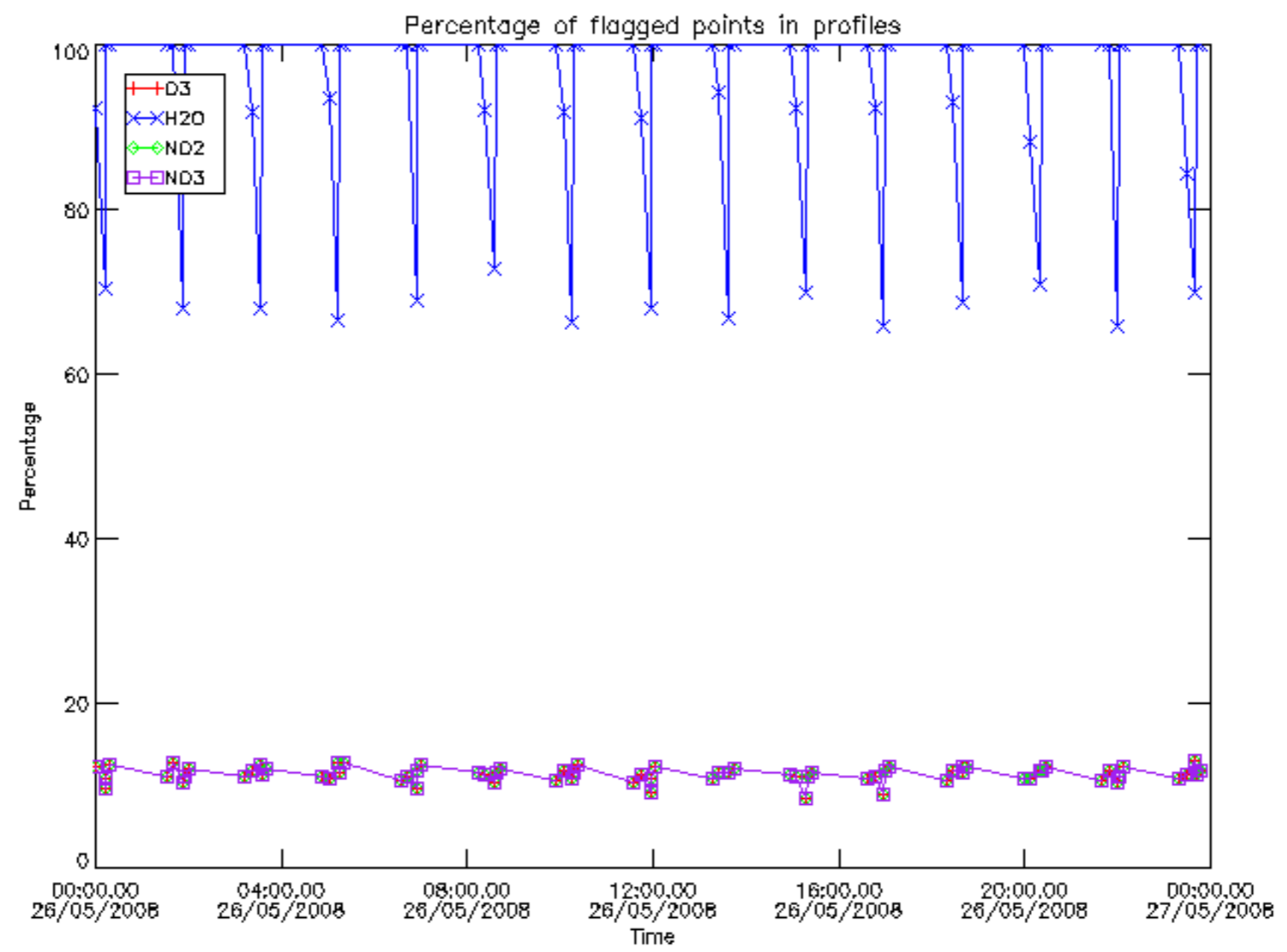




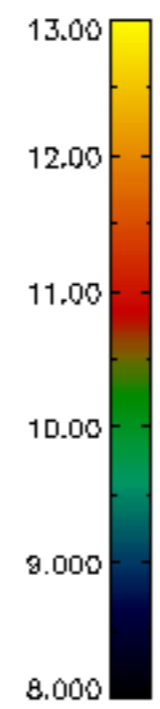
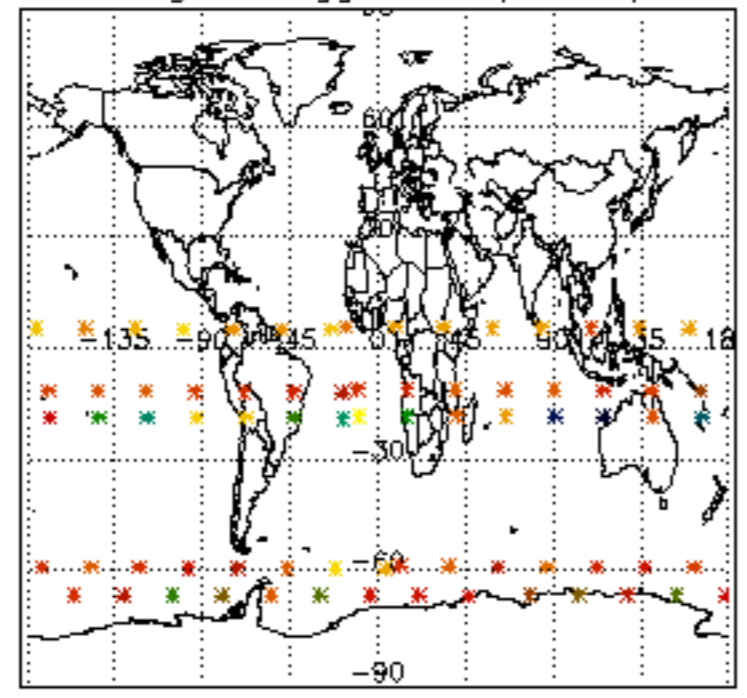




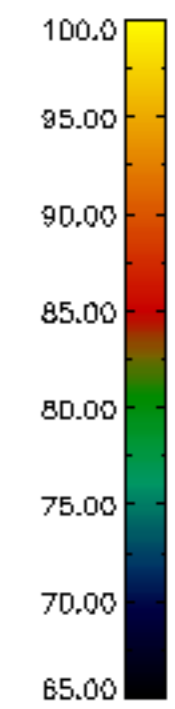
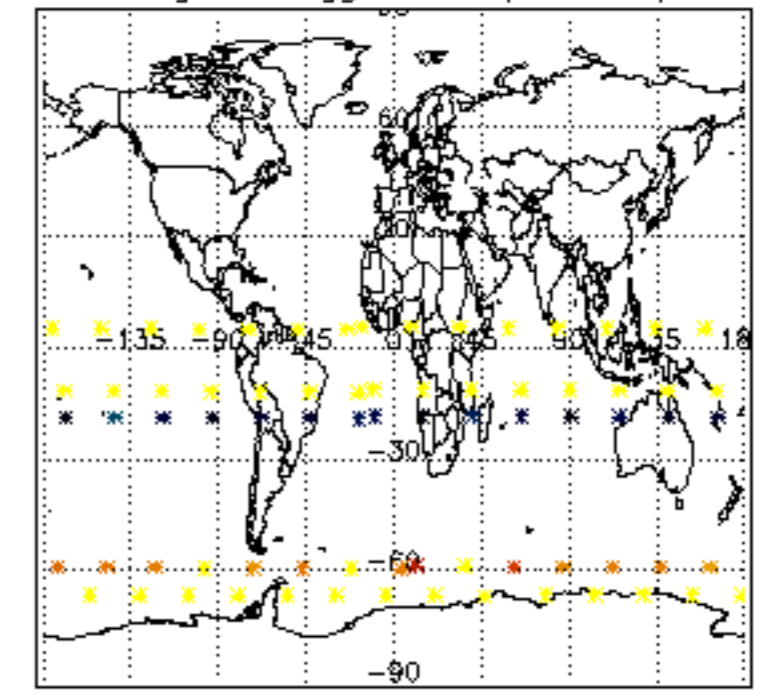




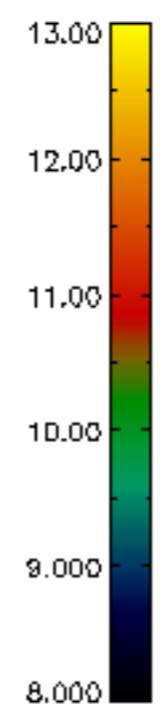
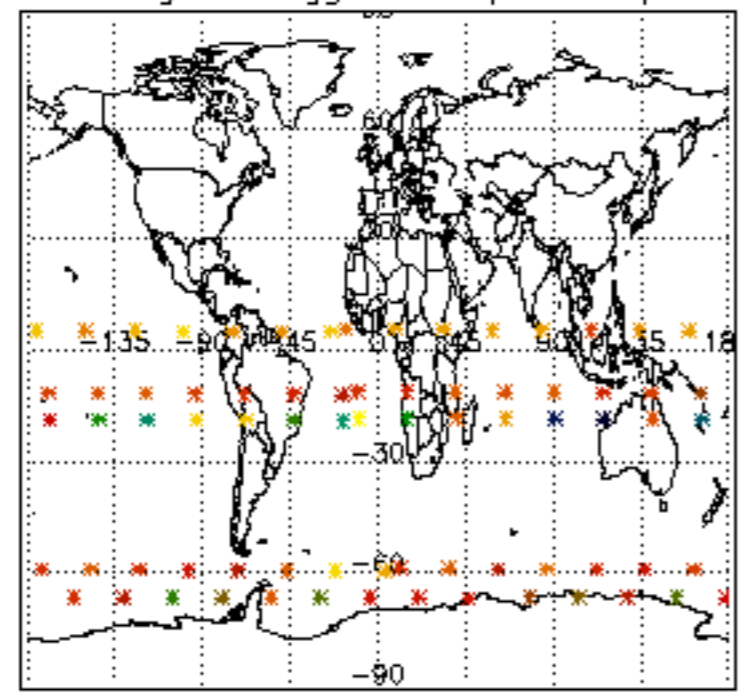
Percentage of flagged data per D3 profile



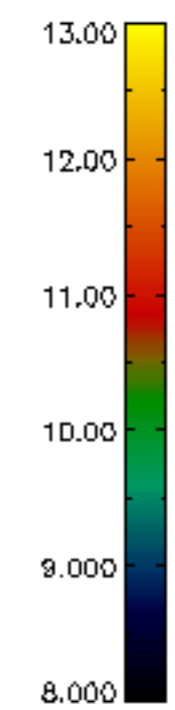
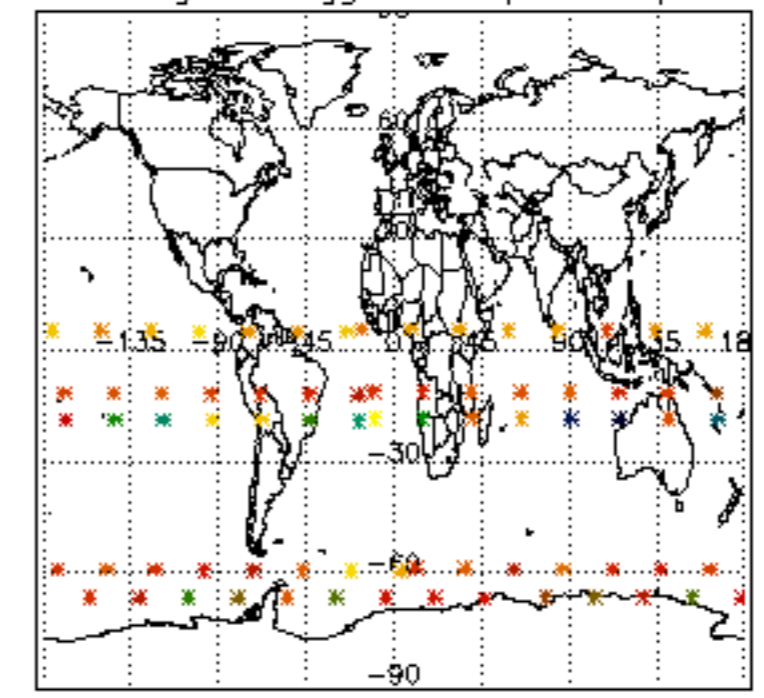
Percentage of flagged data per H2O profile

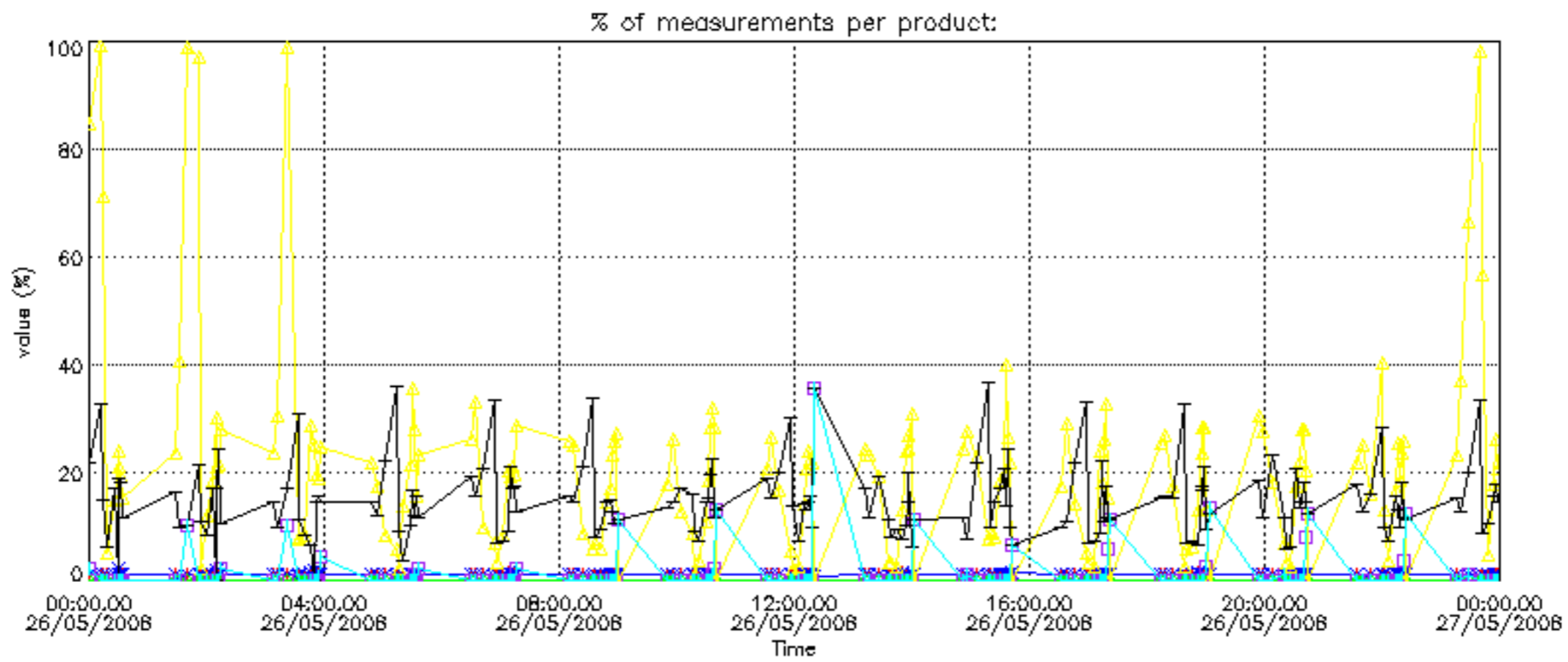


Percentage of flagged data per NO2 profile

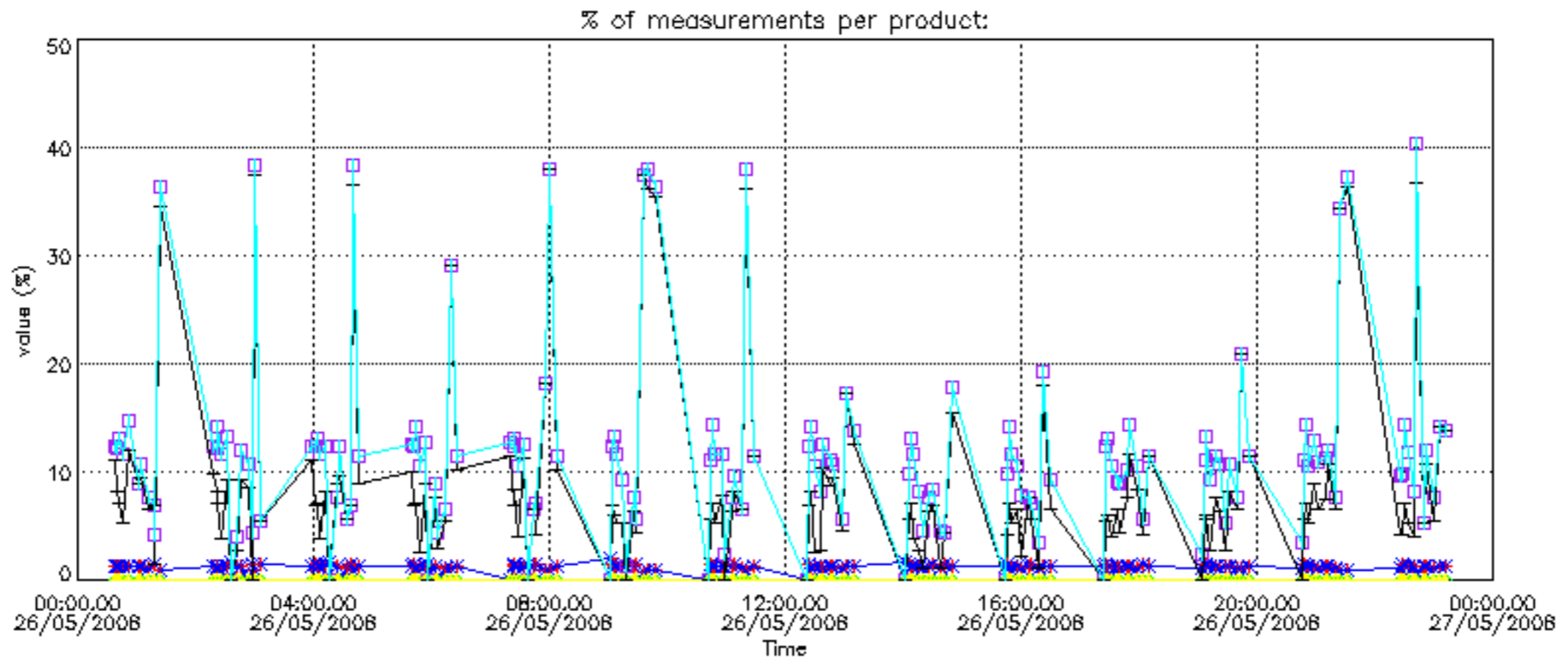


Percentage of flagged data per NO3 profile

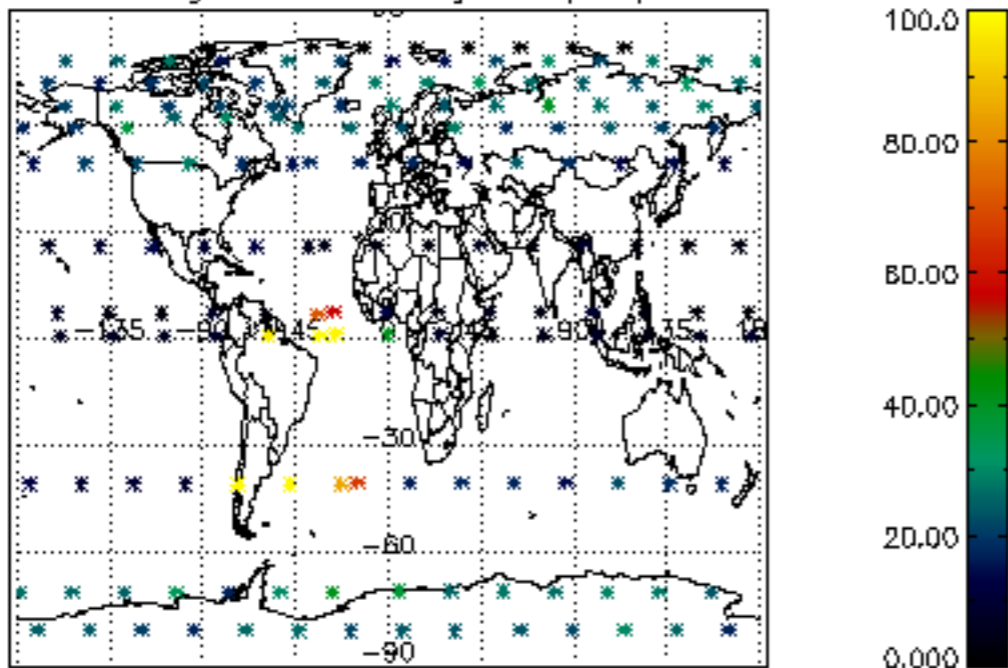




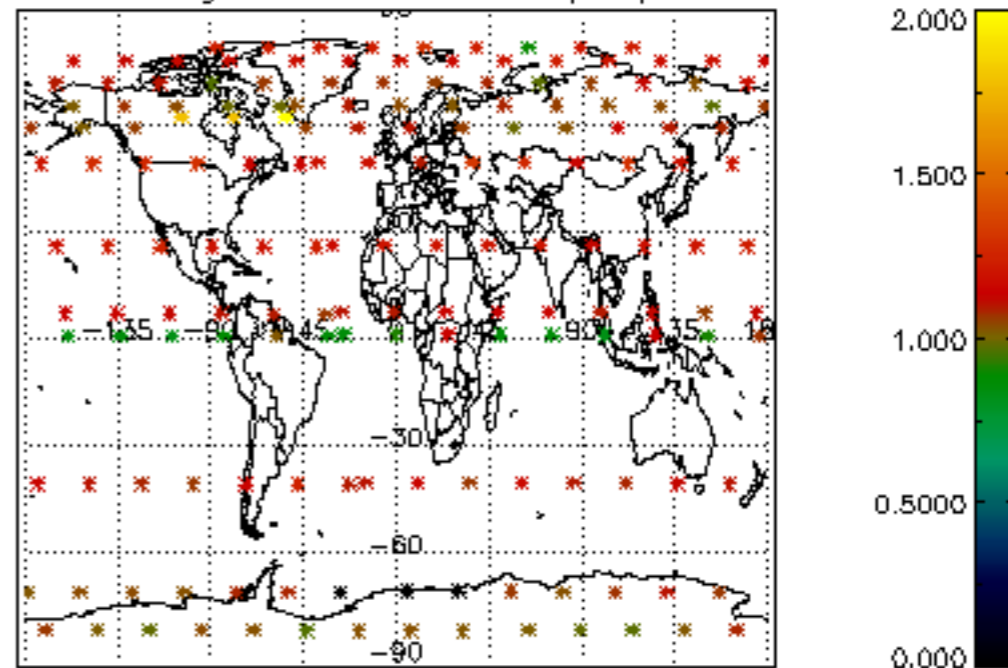




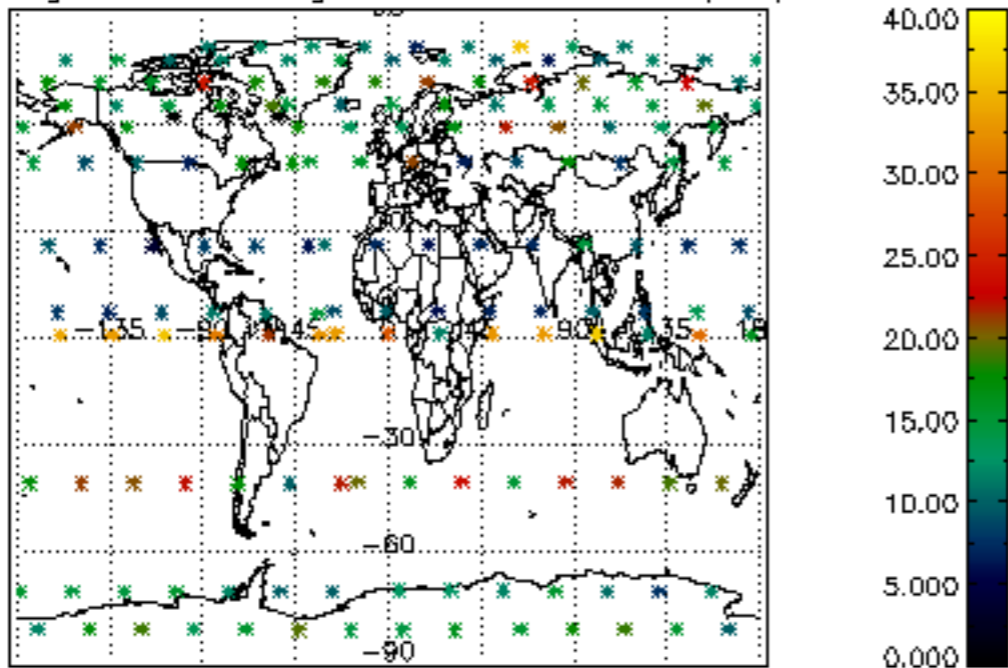
Percentage of cosmic ray hits per profile



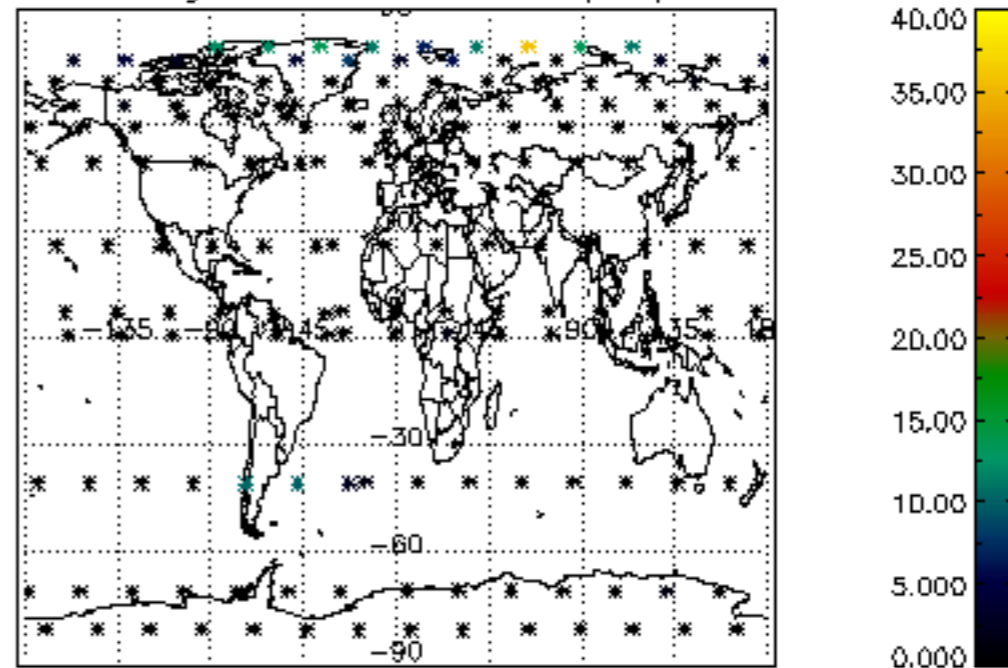
Percentage of datation errors per profile



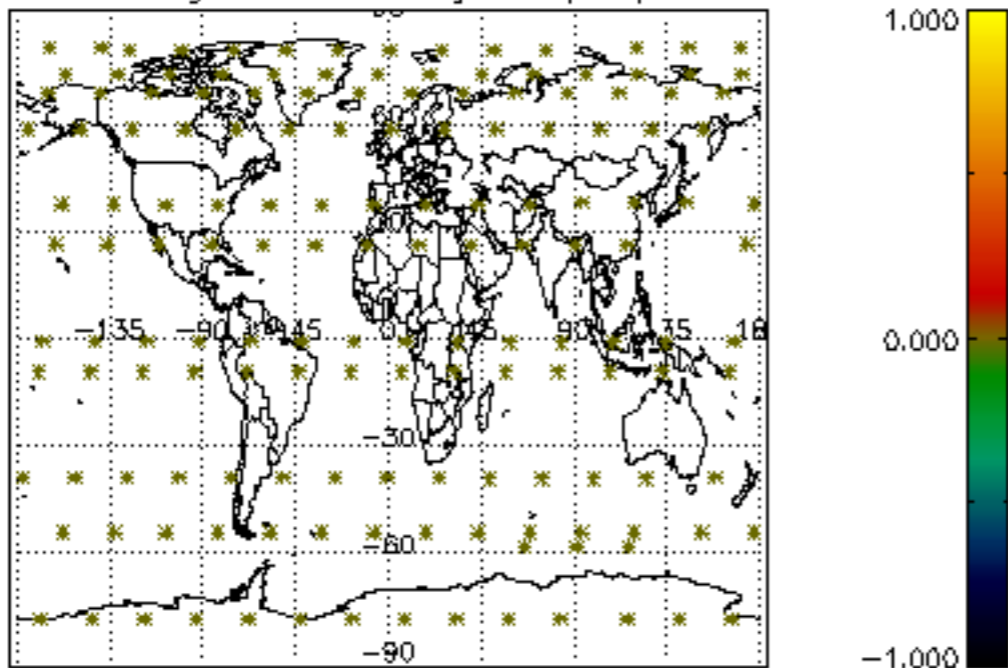
Percentage of star falling outside central band per profile



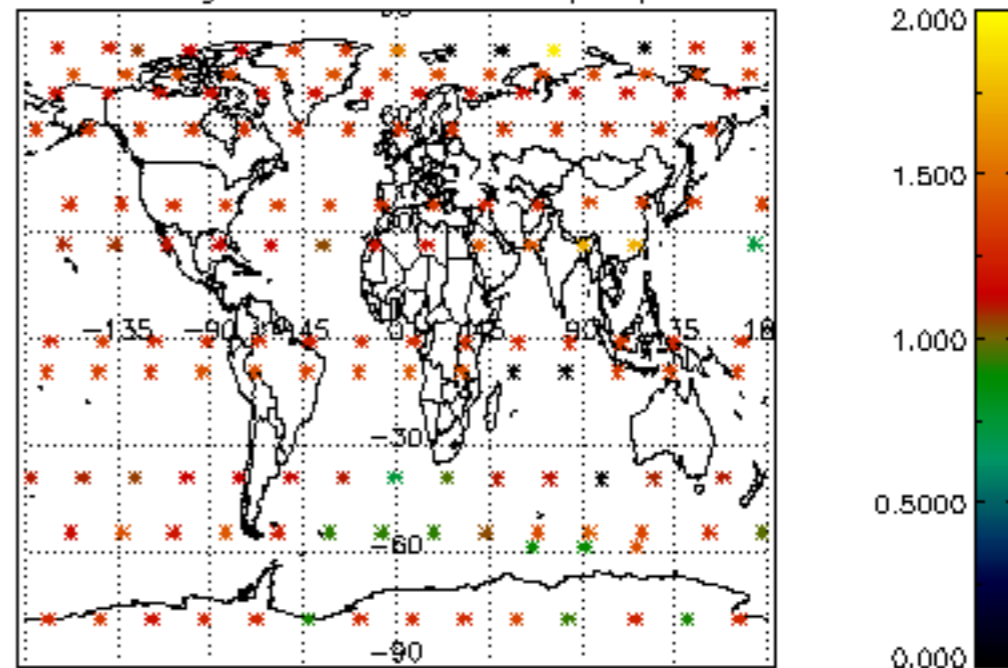
Percentage of saturation errors per profile



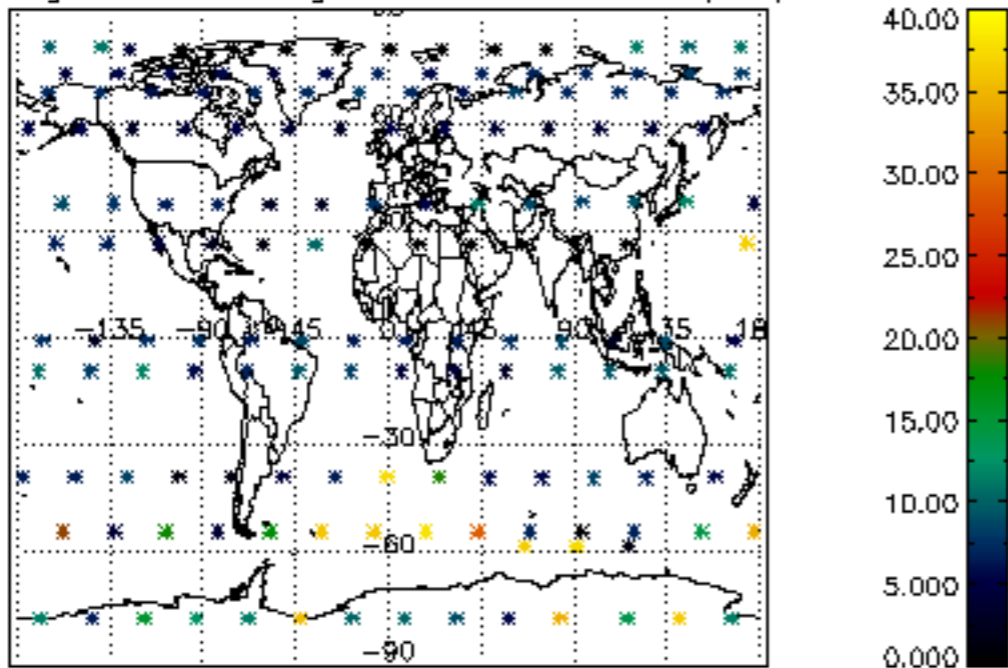
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

