

# 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 13:47:57
Data source version	GOMOS/6.01
Start time of products	05-05-2008 (05MAY2008 00:00:00)
Stop time of products	06-05-2008 (06MAY2008 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	348
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__2PRFIN20080505_000008_000000382068_00188_32306_7690.N1	05-MAY-2008 00:00:08	Bright	37.500	15	67Alp Vir	0.97600	28000.	75	32306	No
2	GOM_NL__2PRFIN20080505_000315_000000362068_00188_32306_7691.N1	05-MAY-2008 00:03:15	Bright	36.000	121	29Gam Vir	2.7400	7200.0	72	32306	No
3	GOM_NL__2PRFIN20080505_000629_000000352068_00188_32306_7692.N1	05-MAY-2008 00:06:29	Bright	34.500	138	47Eps Vir	2.8280	4700.0	69	32306	No
4	GOM_NL__2PRFIN20080505_000833_000000372068_00188_32306_7693.N1	05-MAY-2008 00:08:33	Bright	37.000	111	8Eta Boo	2.6800	6000.0	74	32306	No
5	GOM_NL__2PRFIN20080505_001409_000000342068_00188_32306_7694.N1	05-MAY-2008 00:14:09	Bright	33.500	152	12Alp2CVn	2.8900	11000.	67	32306	No
6	GOM_NL__2PRFIN20080505_001726_000000352068_00188_32306_7695.N1	05-MAY-2008 00:17:26	Bright	35.000	39	85Eta UMa	1.8540	24000.	70	32306	No
7	GOM_NL__2PRFIN20080505_001851_000000362068_00188_32306_7696.N1	05-MAY-2008 00:18:51	Bright	35.500	55	79Zet UMa	2.0600	10200.	71	32306	No
8	GOM_NL__2PRFIN20080505_002024_000000352068_00188_32306_7697.N1	05-MAY-2008 00:20:24	Bright	35.000	82	48Bet UMa	2.3650	10600.	70	32306	No
9	GOM_NL__2PRFIN20080505_002139_000000372068_00188_32306_7698.N1	05-MAY-2008 00:21:39	Bright	37.000	36	50Alp UMa	1.8000	6300.0	74	32306	No
10	GOM_NL__2PRFIN20080505_002454_000000372068_00188_32306_7699.N1	05-MAY-2008 00:24:54	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	32306	No
11	GOM_NL__2PRFIN20080505_002853_000000322068_00188_32306_7700.N1	05-MAY-2008 00:28:53	Bright	32.000	49	1Alp UMi	1.9900	6300.0	64	32306	No
12	GOM_NL__2PRFIN20080505_003655_000000412068_00188_32306_7701.N1	05-MAY-2008 00:36:55	Bright	41.000	110	37Del Cas	2.6780	8900.0	82	32306	No
13	GOM_NL__2PRFIN20080505_003813_000000352068_00188_32306_7702.N1	05-MAY-2008 00:38:13	Bright	34.500	68	18Alp Cas	2.2250	4500.0	69	32306	No
14	GOM_NL__2PRFIN20080505_005900_000000442068_00188_32306_7703.N1	05-MAY-2008 00:59:00	Dark	44.000	52	16Bet Cet	2.0370	4500.0	88	32306	No
15	GOM_NL__2PRFIN20080505_010423_000000522068_00188_32306_7704.N1	05-MAY-2008 01:04:23	Dark	51.500	18	24Alp PsA	1.1660	9700.0	103	32306	No
16	GOM_NL__2PRFIN20080505_011012_000000422068_00188_32306_7705.N1	05-MAY-2008 01:10:12	Dark	41.500	31	Alp Gru	1.7340	15200.	83	32306	No
17	GOM_NL__2PRFIN20080505_011237_000000392068_00189_32307_7644.N1	05-MAY-2008 01:12:37	Dark	38.500	148	Alp Tuc	2.8780	4100.0	77	32307	No
18	GOM_NL__2PRFIN20080505_011546_000000402068_00189_32307_7645.N1	05-MAY-2008 01:15:46	Dark	39.500	45	Alp Pav	1.9400	26000.	79	32307	No
19	GOM_NL__2PRFIN20080505_012203_000000392068_00189_32307_7646.N1	05-MAY-2008 01:22:03	Straylight	38.500	43	Alp TrA	1.9100	4250.0	77	32307	No
20	GOM_NL__2PRFIN20080505_012415_000000382068_00189_32307_7647.N1	05-MAY-2008 01:24:15	Straylight	37.500	134	Bet TrA	2.8100	6600.0	75	32307	No
21	GOM_NL__2PRFIN20080505_012612_000000502068_00189_32307_7648.N1	05-MAY-2008 01:26:12	Straylight	50.000	4	Alp1Cen	-0.010000	5800.0	100	32307	No
22	GOM_NL__2PRFIN20080505_012940_000000402068_00189_32307_7649.N1	05-MAY-2008 01:29:40	Straylight	39.500	78	Alp Lup	2.3040	28000.	79	32307	No
23	GOM_NL__2PRFIN20080505_013112_000000402068_00189_32307_7650.N1	05-MAY-2008 01:31:12	Straylight	40.000	81	Eta Cen	2.3560	28000.	80	32307	No
24	GOM_NL__2PRFIN20080505_013314_000000452068_00189_32307_7651.N1	05-MAY-2008 01:33:14	Twilight_stray	45.000	54	5The Cen	2.0550	4500.0	90	32307	No
25	GOM_NL__2PRFIN20080505_013727_000000382068_00189_32307_7652.N1	05-MAY-2008 01:37:27	Bright	38.000	169	46Gam Hya	2.9910	4700.0	76	32307	No
26	GOM_NL__2PRFIN20080505_014044_000000382068_00189_32307_7653.N1	05-MAY-2008 01:40:44	Bright	37.500	15	67Alp Vir	0.97600	28000.	75	32307	No
27	GOM_NL__2PRFIN20080505_014351_000000362068_00189_32307_7654.N1	05-MAY-2008 01:43:51	Bright	36.000	121	29Gam Vir	2.7400	7200.0	72	32307	No
28	GOM_NL__2PRFIN20080505_014705_000000352068_00189_32307_7655.N1	05-MAY-2008 01:47:05	Bright	35.000	138	47Eps Vir	2.8280	4700.0	70	32307	No
29	GOM_NL__2PRFIN20080505_014909_000000382068_00189_32307_7656.N1	05-MAY-2008 01:49:09	Bright	37.500	111	8Eta Boo	2.6800	6000.0	75	32307	No
30	GOM_NL__2PRFIN20080505_015444_000000352068_00189_32307_7657.N1	05-MAY-2008 01:54:44	Bright	34.500	152	12Alp2CVn	2.8900	11000.	69	32307	No
31	GOM_NL__2PRFIN20080505_015802_000000372068_00189_32307_7658.N1	05-MAY-2008 01:58:02	Bright	37.000	39	85Eta UMa	1.8540	24000.	74	32307	No
32	GOM_NL__2PRFIN20080505_015927_000000372068_00189_32307_7659.N1	05-MAY-2008 01:59:27	Bright	36.500	55	79Zet UMa	2.0600	10200.	73	32307	No
33	GOM_NL__2PRFIN20080505_020100_000000342068_00189_32307_7660.N1	05-MAY-2008 02:01:00	Bright	33.500	82	48Bet UMa	2.3650	10600.	67	32307	No
34	GOM_NL__2PRFIN20080505_020215_000000372068_00189_32307_7661.N1	05-MAY-2008 02:02:15	Bright	37.000	36	50Alp UMa	1.8000	6300.0	74	32307	No
35	GOM_NL__2PRFIN20080505_020530_000000342068_00189_32307_7662.N1	05-MAY-2008 02:05:30	Bright	33.500	60	7Bet UMi	2.0810	3950.0	67	32307	No
36	GOM_NL__2PRFIN20080505_020929_000000352068_00189_32307_7663.N1	05-MAY-2008 02:09:29	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	32307	No
37	GOM_NL__2PRFIN20080505_021731_000000522068_00189_32307_7664.N1	05-MAY-2008 02:17:31	Bright	52.000	110	37Del Cas	2.6780	8900.0	104	32307	No
38	GOM_NL__2PRFIN20080505_021849_000000362068_00189_32307_7665.N1	05-MAY-2008 02:18:49	Bright	35.500	68	18Alp Cas	2.2250	4500.0	71	32307	No
39	GOM_NL__2PRFIN20080505_023936_000000402068_00189_32307_7666.N1	05-MAY-2008 02:39:36	Dark	39.500	52	16Bet Cet	2.0370	4500.0	79	32307	No
40	GOM_NL__2PRFIN20080505_024500_000000422068_00189_32307_7667.N1	05-MAY-2008 02:45:00	Dark	42.000	18	24Alp PsA	1.1660	9700.0	84	32307	No
41	GOM_NL__2PRFIN20080505_025049_000000412068_00189_32307_7668.N1	05-MAY-2008 02:50:49	Dark	41.000	31	Alp Gru	1.7340	15200.	82	32307	No
42	GOM_NL__2PRFIN20080505_025313_000000382068_00190_32308_7751.N1	05-MAY-2008 02:53:13	Dark	38.000	148	Alp Tuc	2.8780	4100.0	76	32308	No









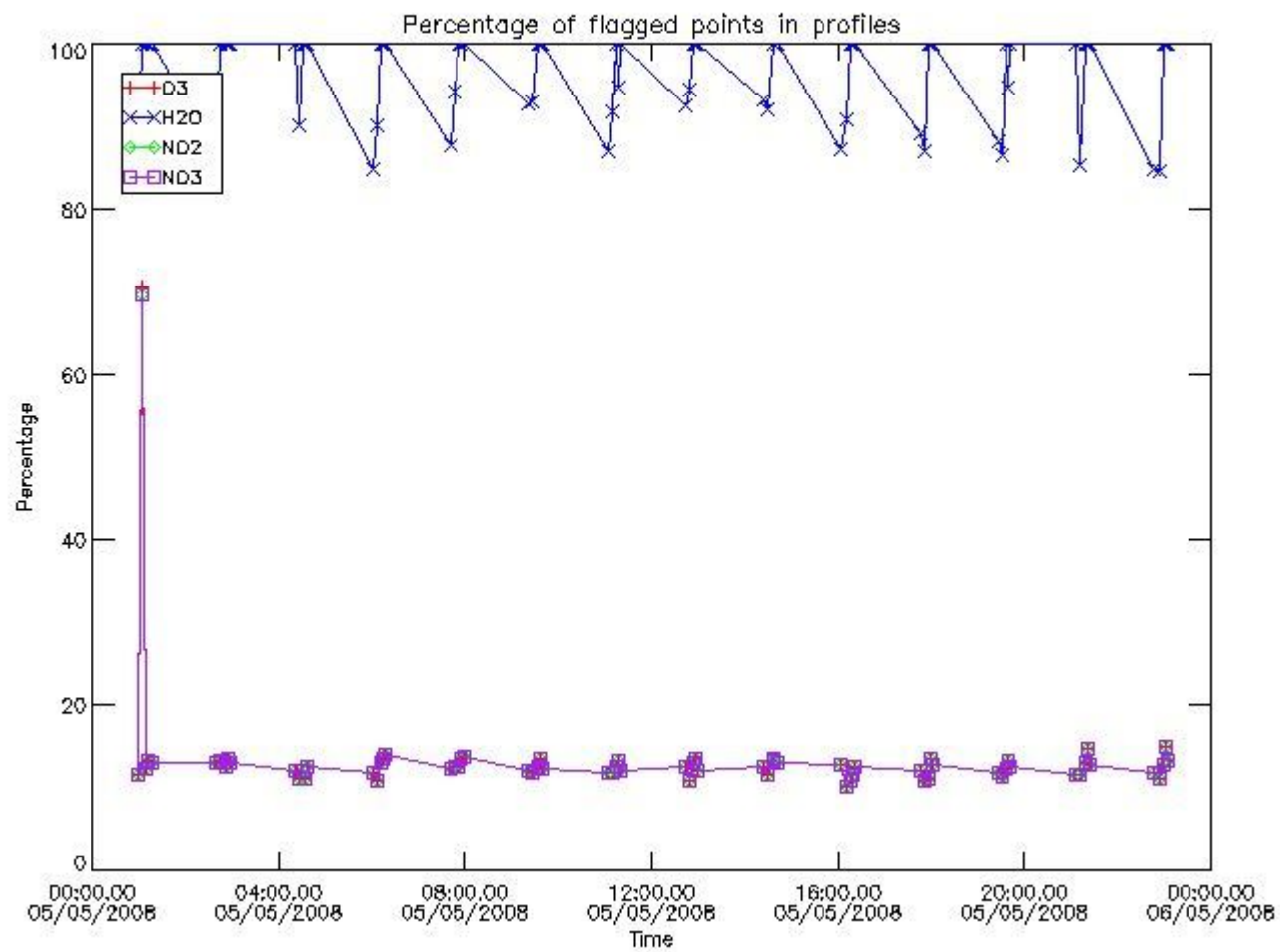


338	GOM_NL__2PRFIN20080505_231731_000000392068_00202_32320_7936.N1	05-MAY-2008 23:17:31	Straylight	38.500	78	Alp Lup	2.3040	28000.	77	32320	No
339	GOM_NL__2PRFIN20080505_231903_000000382068_00202_32320_7937.N1	05-MAY-2008 23:19:03	Straylight	38.000	81	Eta Cen	2.3560	28000.	76	32320	No
340	GOM_NL__2PRFIN20080505_232104_000000442068_00202_32320_7938.N1	05-MAY-2008 23:21:04	Twi_and_stray	43.500	54	5The Cen	2.0550	4500.0	87	32320	No
341	GOM_NL__2PRFIN20080505_232516_000000392068_00202_32320_7939.N1	05-MAY-2008 23:25:16	Bright	39.000	169	46Gam Hya	2.9910	4700.0	78	32320	No
342	GOM_NL__2PRFIN20080505_232833_000000392068_00202_32320_7940.N1	05-MAY-2008 23:28:33	Bright	38.500	15	67Alp Vir	0.97600	28000.	77	32320	No
343	GOM_NL__2PRFIN20080505_233141_000000362068_00202_32320_7941.N1	05-MAY-2008 23:31:41	Bright	35.500	121	29Gam Vir	2.7400	7200.0	71	32320	No
344	GOM_NL__2PRFIN20080505_233454_000000352068_00202_32320_7942.N1	05-MAY-2008 23:34:54	Bright	34.500	138	47Eps Vir	2.8280	4700.0	69	32320	No
345	GOM_NL__2PRFIN20080505_233655_000000372068_00202_32320_7943.N1	05-MAY-2008 23:36:55	Bright	36.500	111	8Eta Boo	2.6800	6000.0	73	32320	No
346	GOM_NL__2PRFIN20080505_234232_000000442068_00202_32320_7944.N1	05-MAY-2008 23:42:32	Bright	44.000	152	12Alp2CVn	2.8900	11000.	88	32320	No
347	GOM_NL__2PRFIN20080505_234547_000000362068_00202_32320_7945.N1	05-MAY-2008 23:45:47	Bright	35.500	39	85Eta UMa	1.8540	24000.	71	32320	No
348	GOM_NL__2PRFIN20080505_234713_000000342068_00202_32320_7946.N1	05-MAY-2008 23:47:13	Bright	33.500	55	79Zet UMa	2.0600	10200.	67	32320	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.

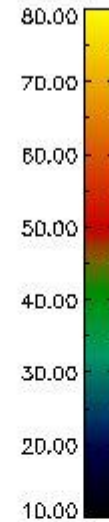
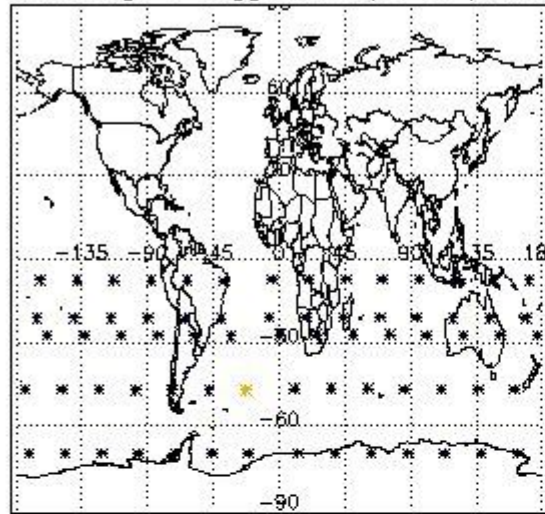
#### 3.1 Plot quality information per product (time dependant)



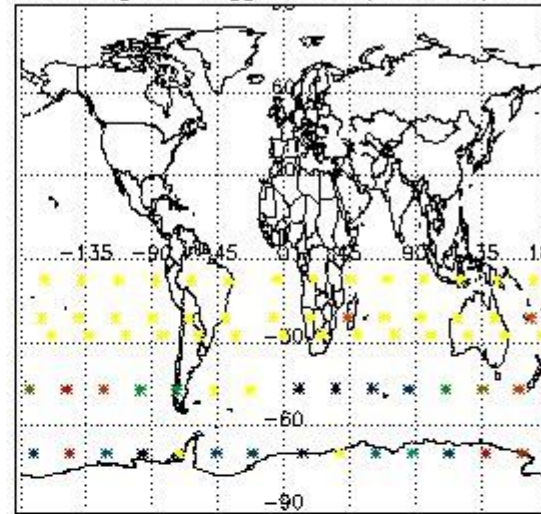
#### 3.2 Plot quality information per product (world map)



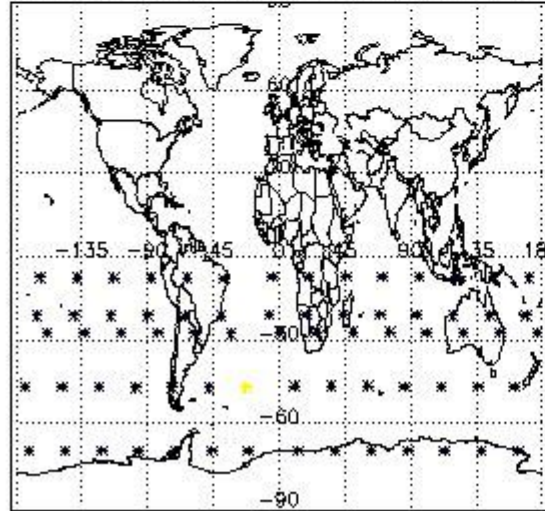
Percentage of flagged data per O3 profile



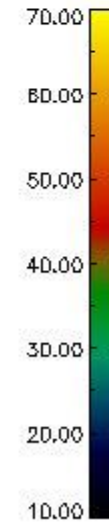
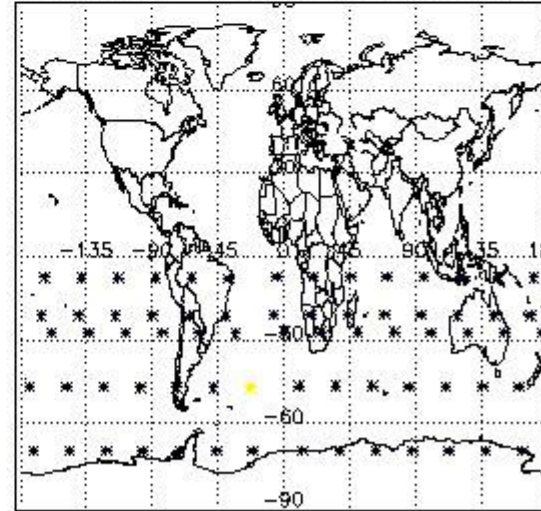
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

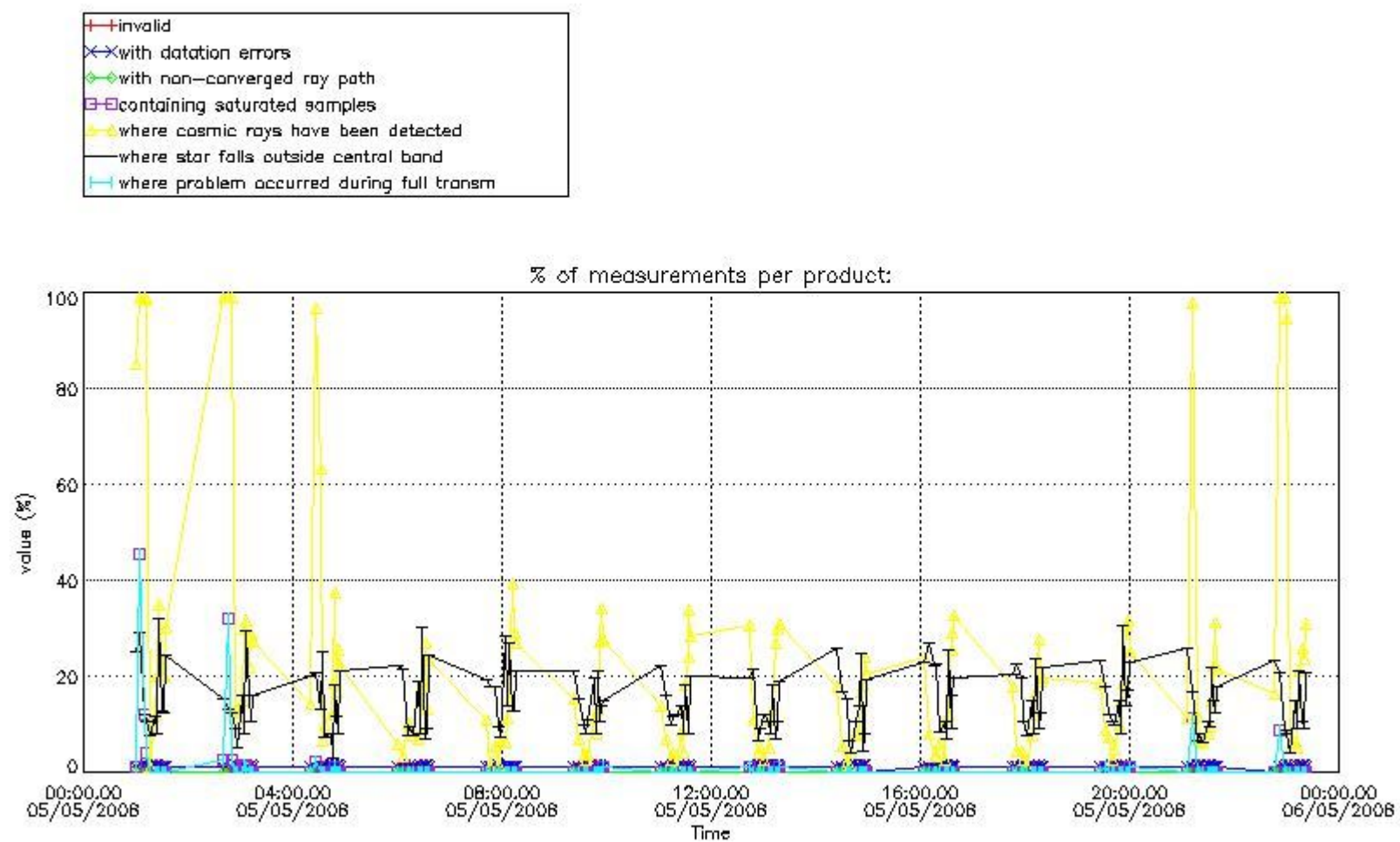


#### 4. Level 1 quality information per product

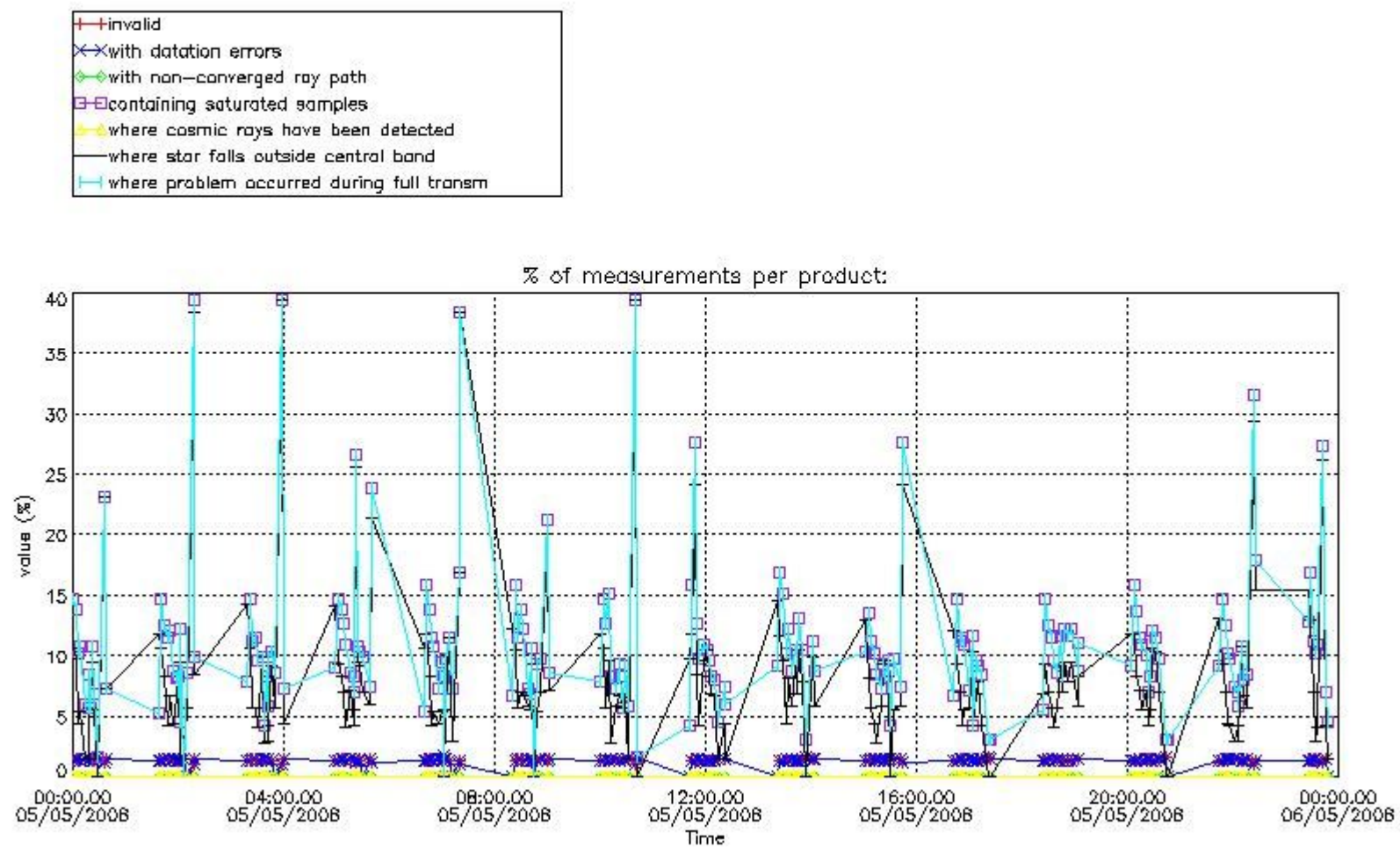
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

##### 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



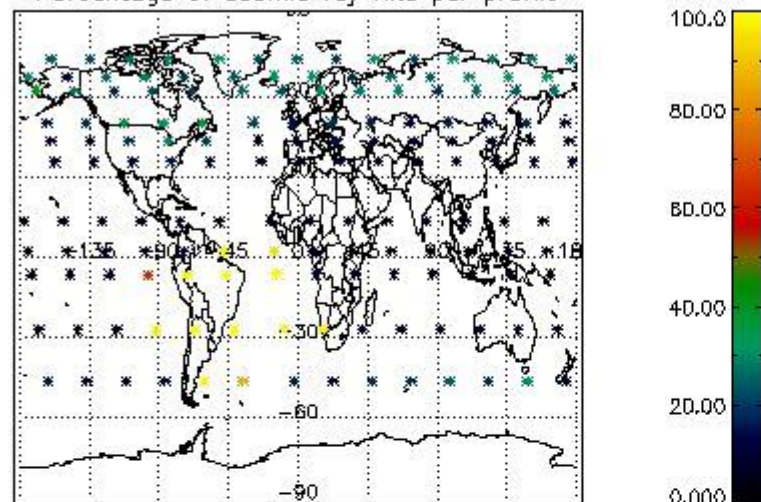
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



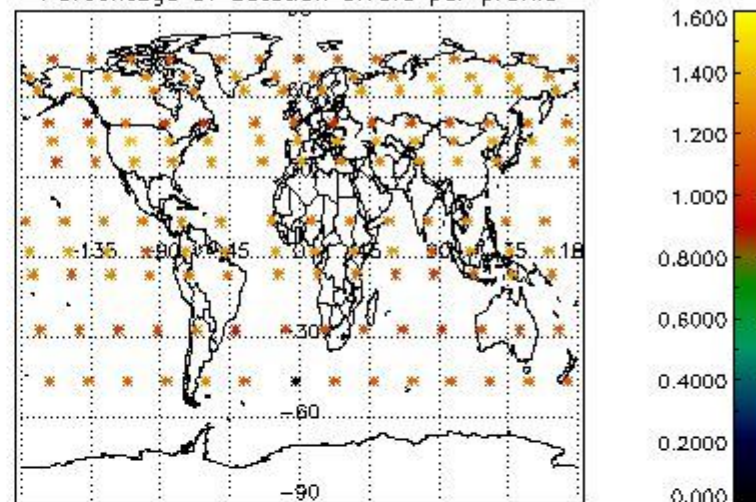
*4.2 Plot quality information per product coming from level 1b processing (world map)*

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

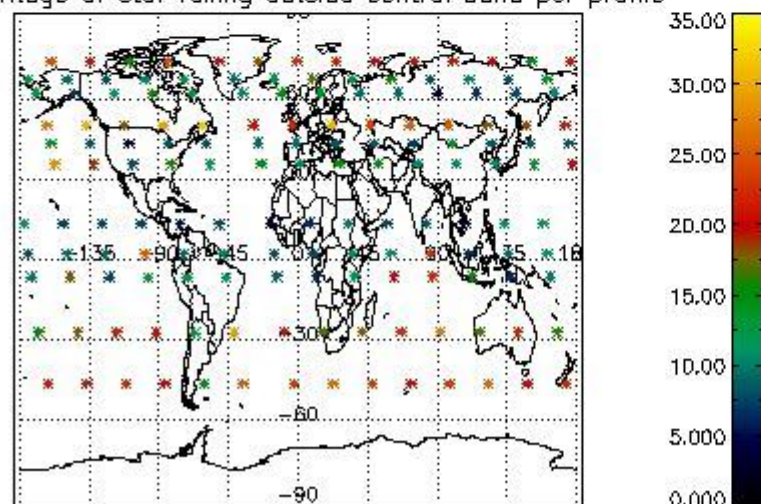
Percentage of cosmic ray hits per profile



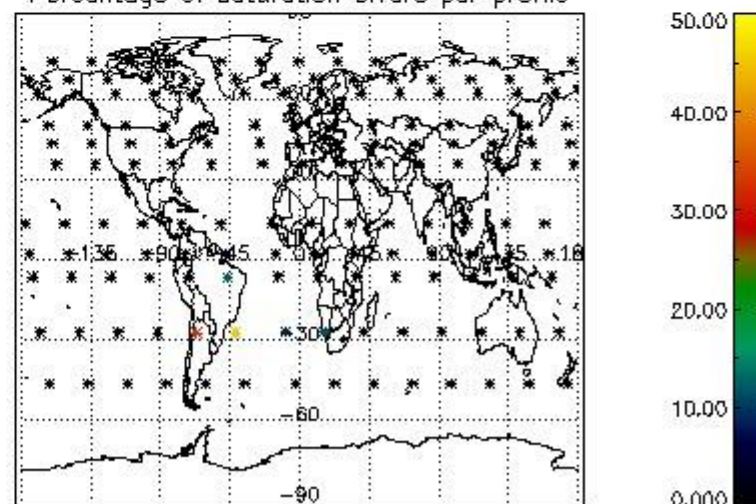
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

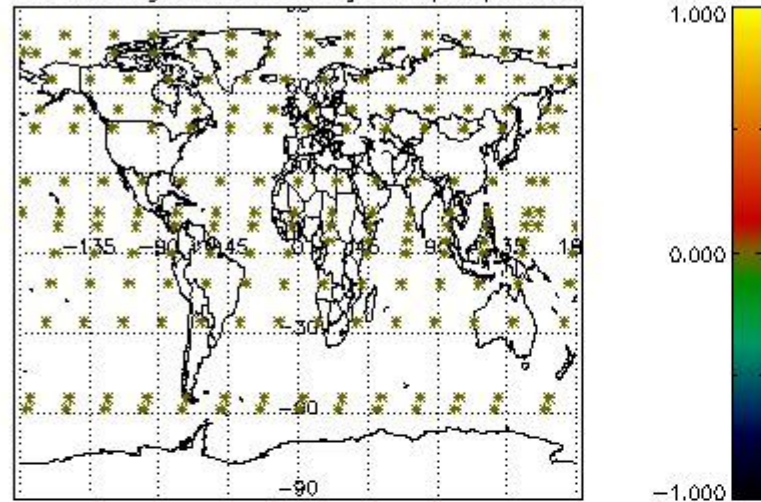


Percentage of saturation errors per profile

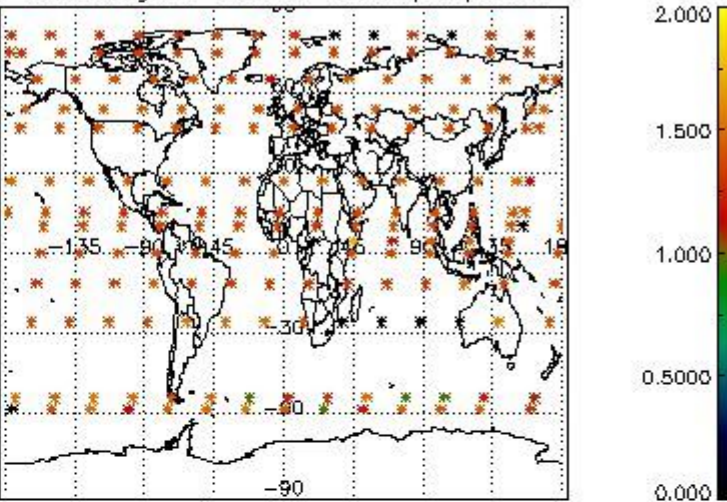


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

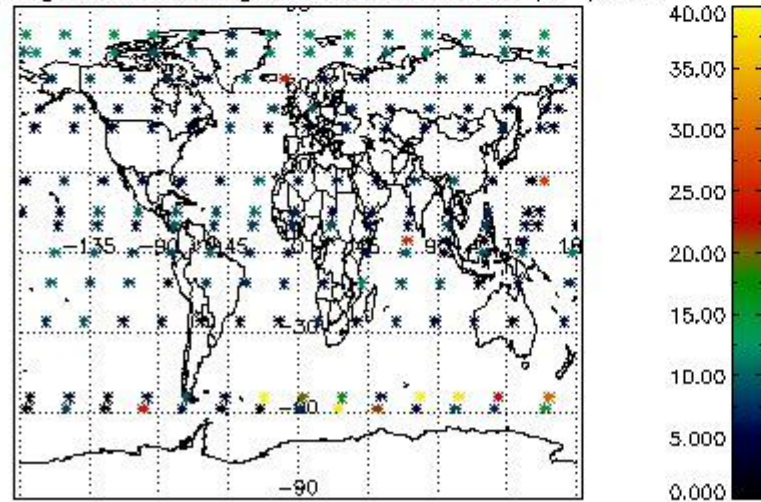
Percentage of cosmic ray hits per profile



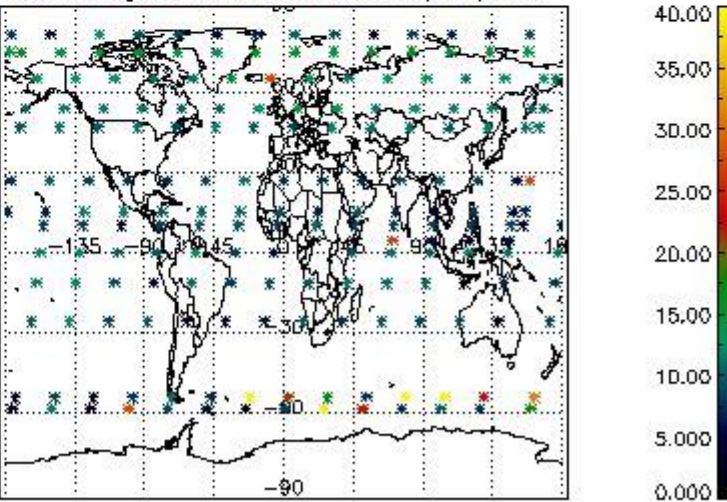
Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



## 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

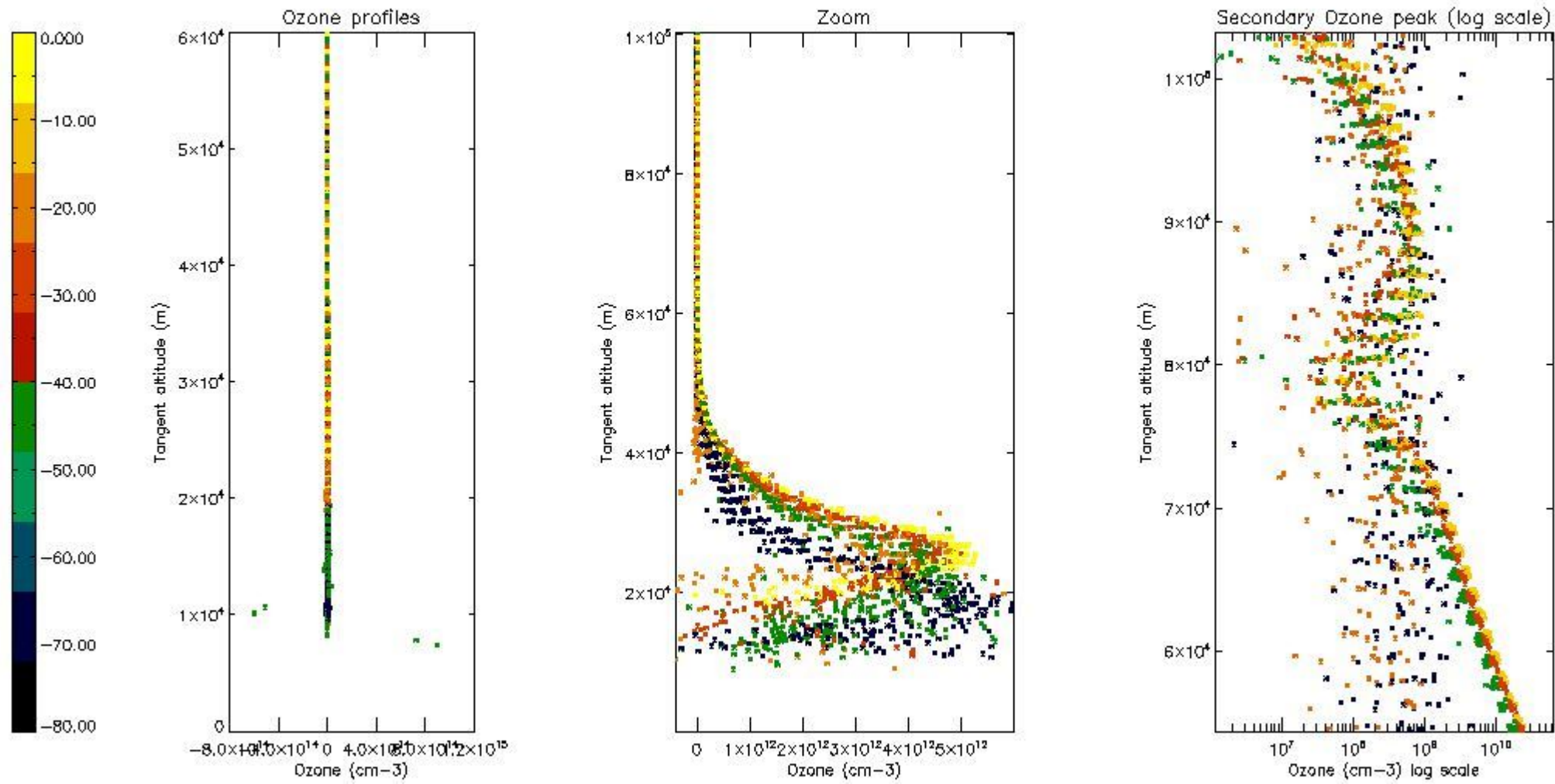
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	22
STD < 20	12

STD < 10	9
STD < 5	6

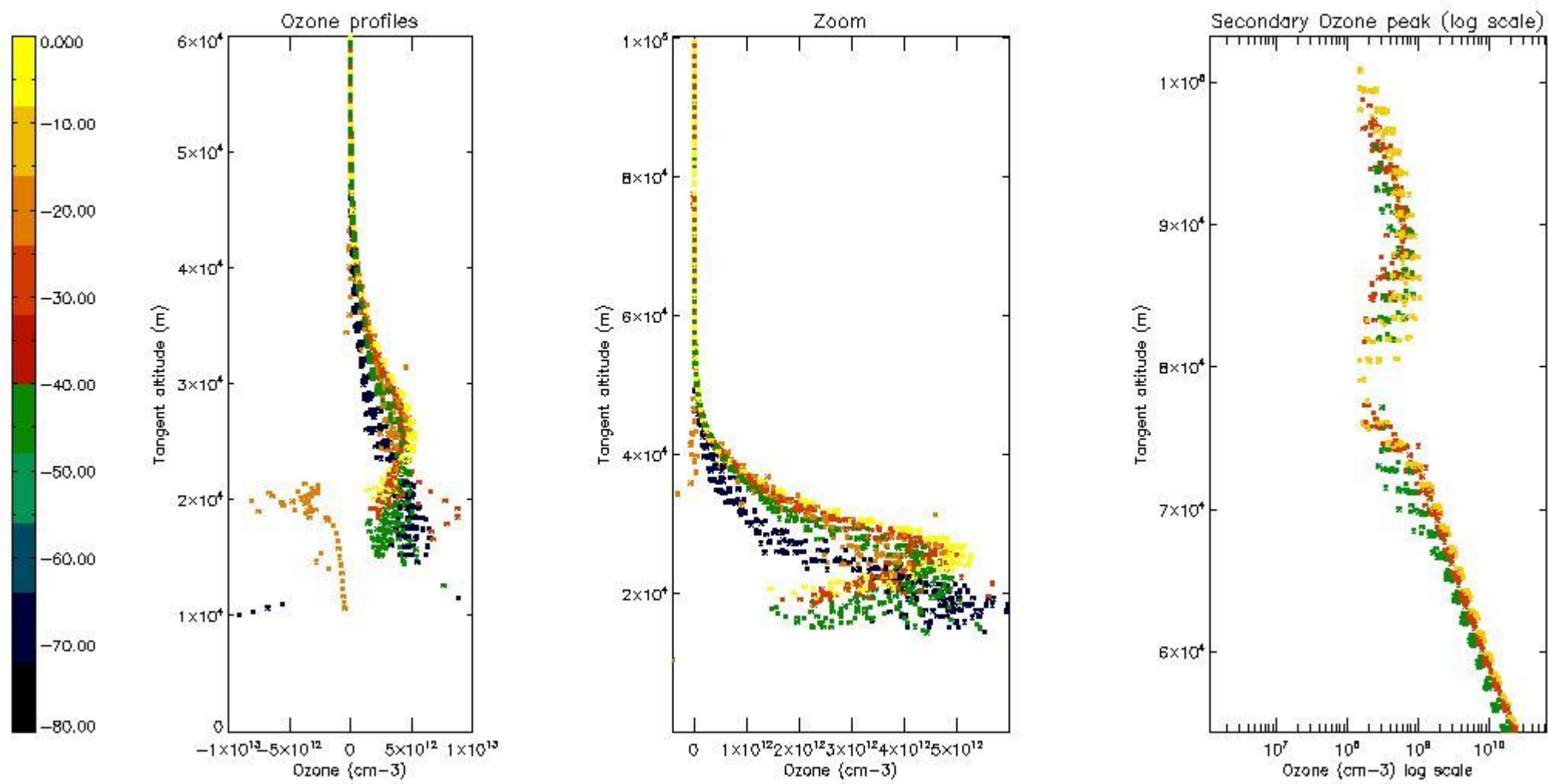
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



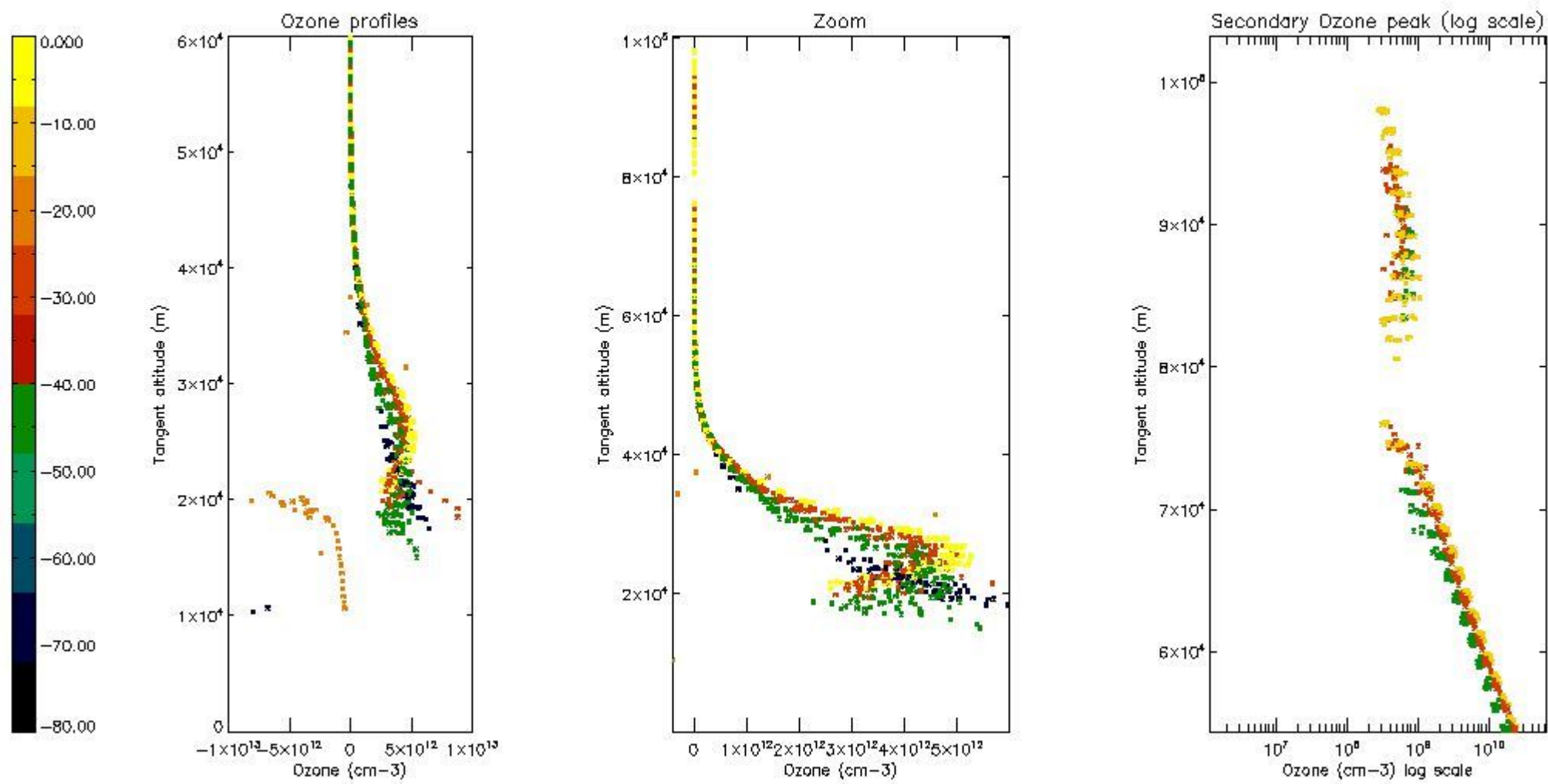
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



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

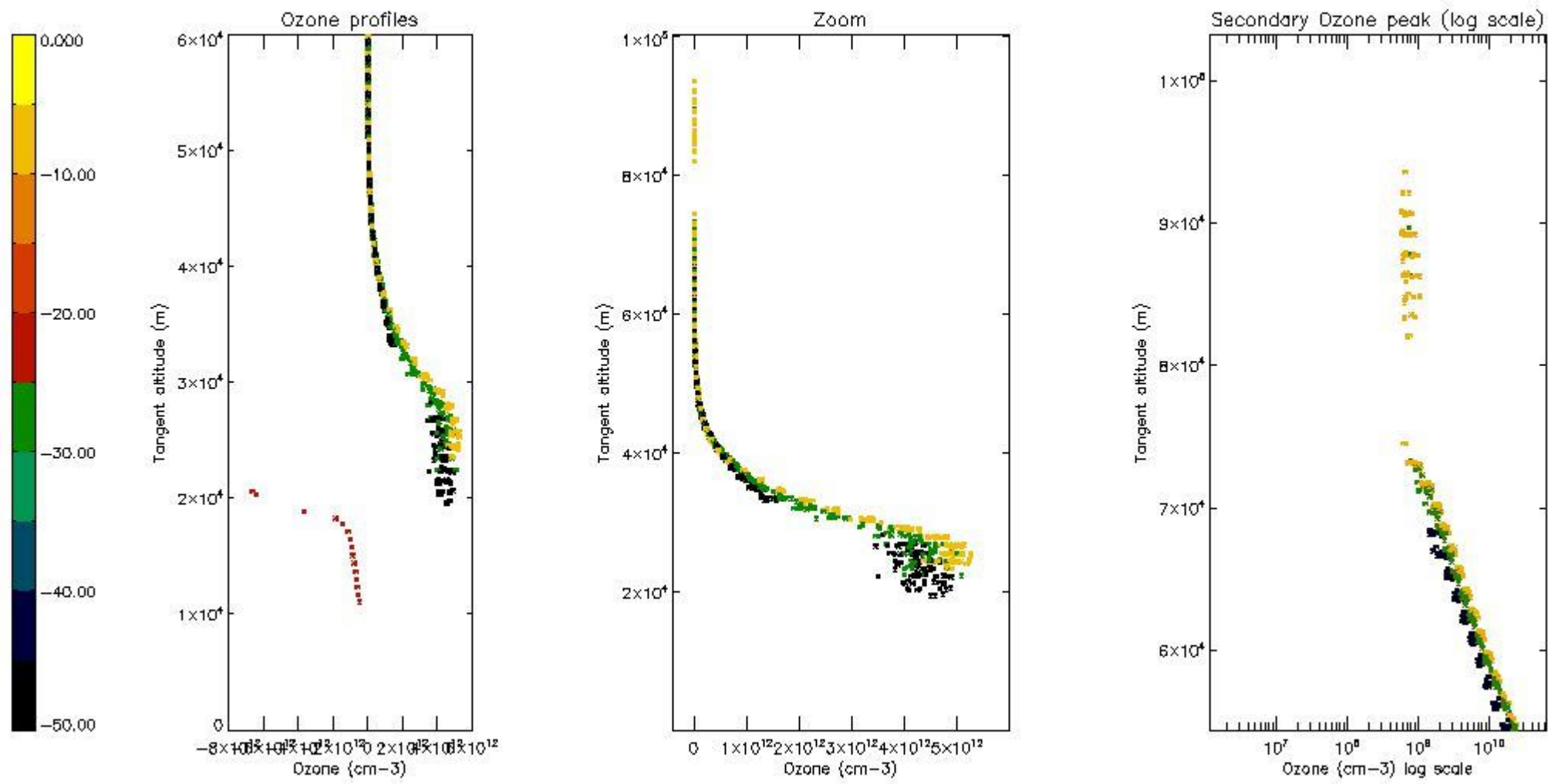
The colorbar represents the latitude.



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

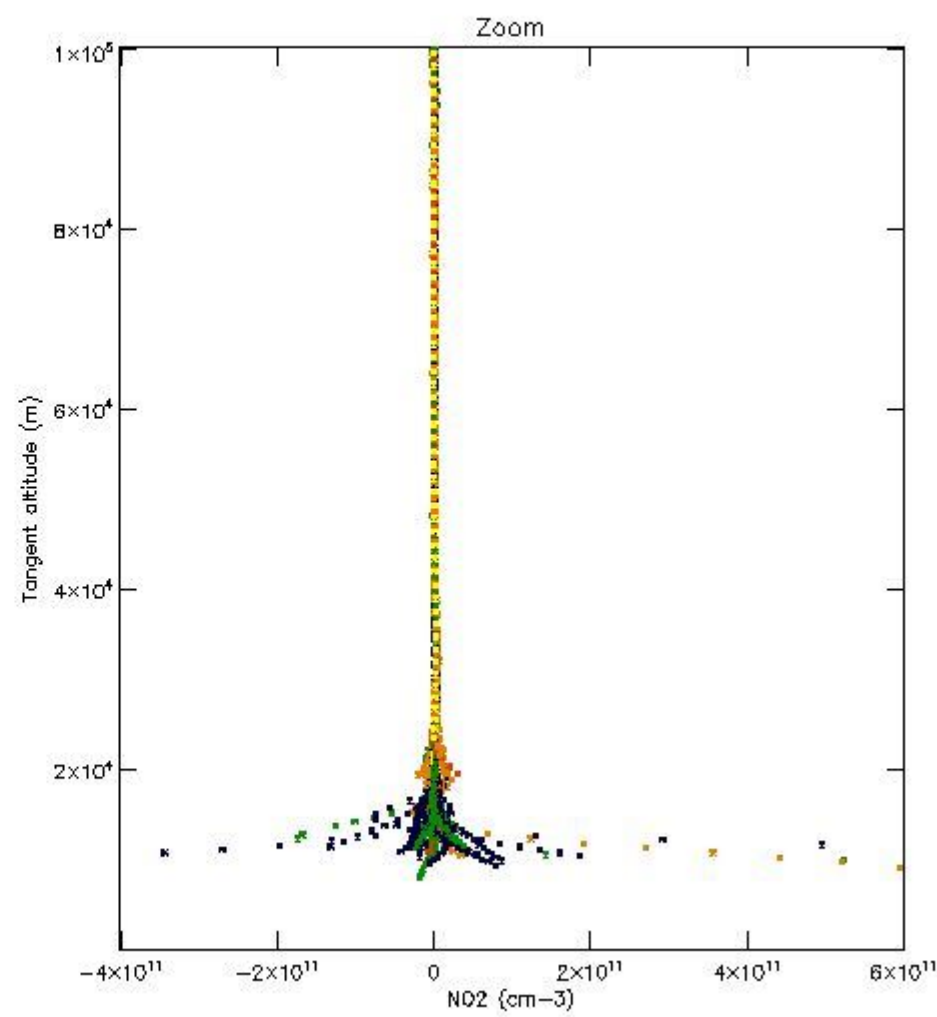
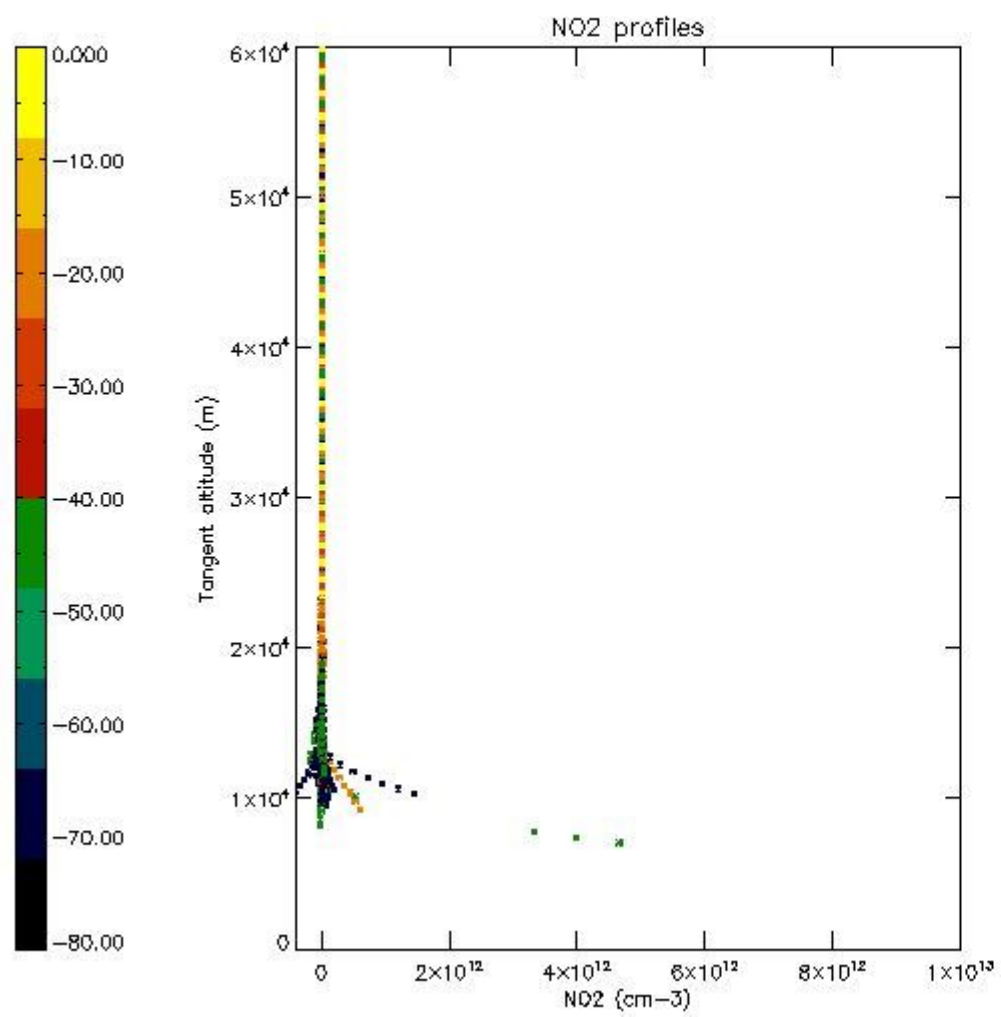
The colorbar represents the latitude.





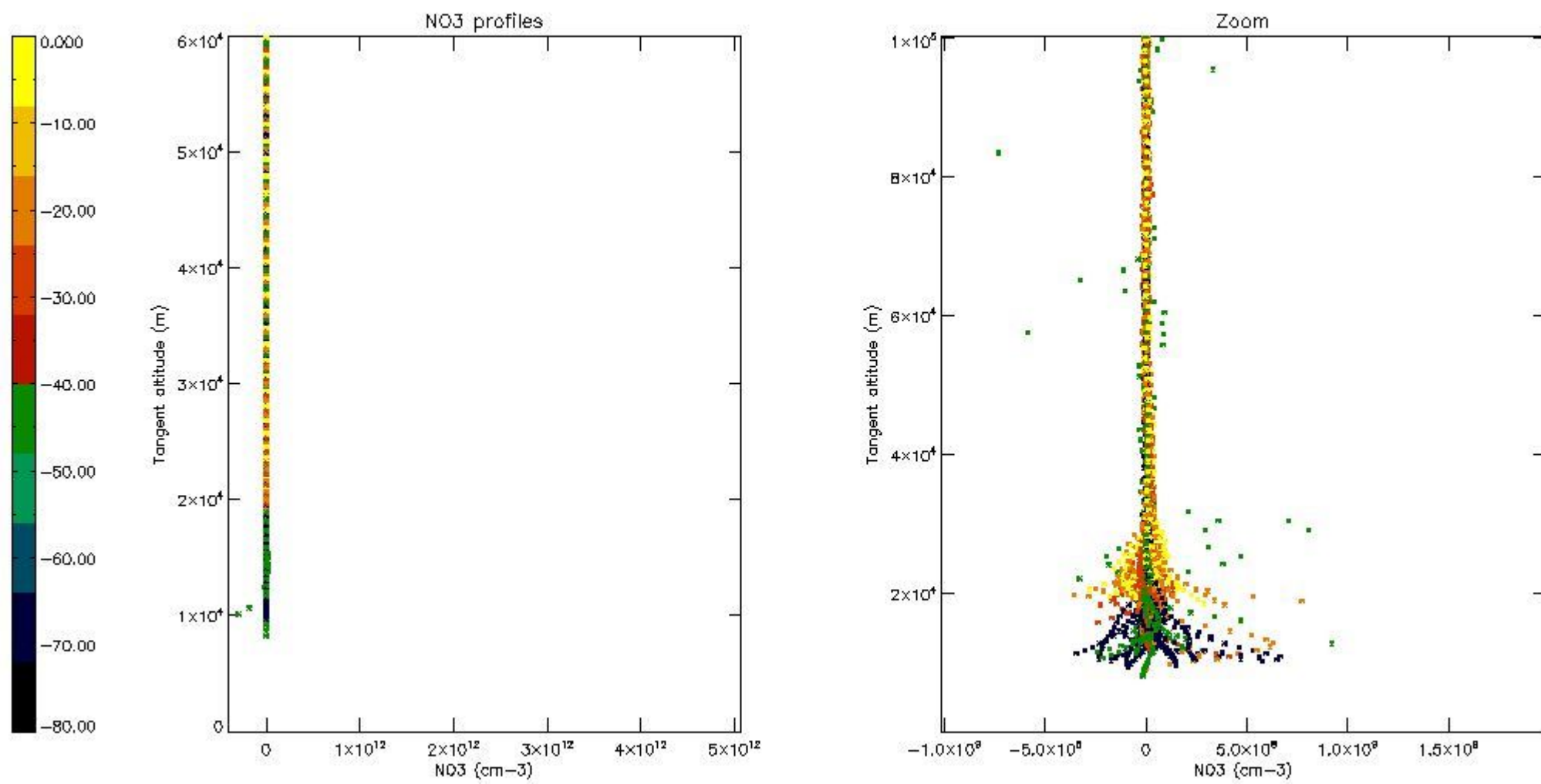
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



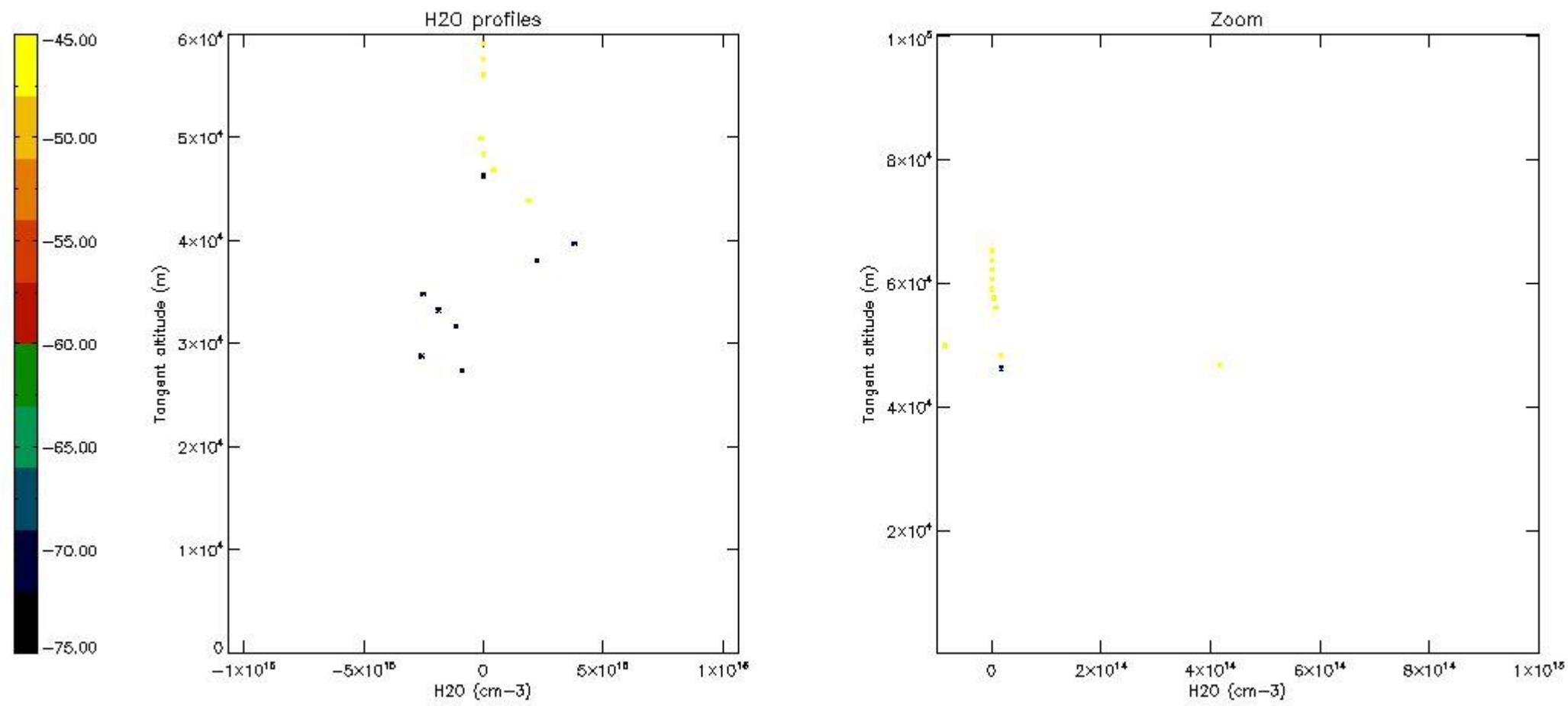
*5.7 Plot NO3 profiles for all STD (dark without errors)*

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	05-MAY-2008 00:00:08
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	05-MAY-2008 00:00:08
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	05-MAY-2008 00:00:08

# 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 13:47:57
Data source version	GOMOS/6.01
Start time of products	05-05-2008 (05MAY2008 00:00:00)
Stop time of products	06-05-2008 (06MAY2008 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	348
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__2PRFIN20080505_000008_000000382068_00188_32306_7690.N1	05-MAY-2008 00:00:08	Bright	37.500	15	67Alp Vir	0.97600	28000.	75	32306	No
2	GOM_NL__2PRFIN20080505_000315_000000362068_00188_32306_7691.N1	05-MAY-2008 00:03:15	Bright	36.000	121	29Gam Vir	2.7400	7200.0	72	32306	No
3	GOM_NL__2PRFIN20080505_000629_000000352068_00188_32306_7692.N1	05-MAY-2008 00:06:29	Bright	34.500	138	47Eps Vir	2.8280	4700.0	69	32306	No
4	GOM_NL__2PRFIN20080505_000833_000000372068_00188_32306_7693.N1	05-MAY-2008 00:08:33	Bright	37.000	111	8Eta Boo	2.6800	6000.0	74	32306	No
5	GOM_NL__2PRFIN20080505_001409_000000342068_00188_32306_7694.N1	05-MAY-2008 00:14:09	Bright	33.500	152	12Alp2CVn	2.8900	11000.	67	32306	No
6	GOM_NL__2PRFIN20080505_001726_000000352068_00188_32306_7695.N1	05-MAY-2008 00:17:26	Bright	35.000	39	85Eta UMa	1.8540	24000.	70	32306	No
7	GOM_NL__2PRFIN20080505_001851_000000362068_00188_32306_7696.N1	05-MAY-2008 00:18:51	Bright	35.500	55	79Zet UMa	2.0600	10200.	71	32306	No
8	GOM_NL__2PRFIN20080505_002024_000000352068_00188_32306_7697.N1	05-MAY-2008 00:20:24	Bright	35.000	82	48Bet UMa	2.3650	10600.	70	32306	No
9	GOM_NL__2PRFIN20080505_002139_000000372068_00188_32306_7698.N1	05-MAY-2008 00:21:39	Bright	37.000	36	50Alp UMa	1.8000	6300.0	74	32306	No
10	GOM_NL__2PRFIN20080505_002454_000000372068_00188_32306_7699.N1	05-MAY-2008 00:24:54	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	32306	No
11	GOM_NL__2PRFIN20080505_002853_000000322068_00188_32306_7700.N1	05-MAY-2008 00:28:53	Bright	32.000	49	1Alp UMi	1.9900	6300.0	64	32306	No
12	GOM_NL__2PRFIN20080505_003655_000000412068_00188_32306_7701.N1	05-MAY-2008 00:36:55	Bright	41.000	110	37Del Cas	2.6780	8900.0	82	32306	No
13	GOM_NL__2PRFIN20080505_003813_000000352068_00188_32306_7702.N1	05-MAY-2008 00:38:13	Bright	34.500	68	18Alp Cas	2.2250	4500.0	69	32306	No
14	GOM_NL__2PRFIN20080505_005900_000000442068_00188_32306_7703.N1	05-MAY-2008 00:59:00	Dark	44.000	52	16Bet Cet	2.0370	4500.0	88	32306	No
15	GOM_NL__2PRFIN20080505_010423_000000522068_00188_32306_7704.N1	05-MAY-2008 01:04:23	Dark	51.500	18	24Alp PsA	1.1660	9700.0	103	32306	No
16	GOM_NL__2PRFIN20080505_011012_000000422068_00188_32306_7705.N1	05-MAY-2008 01:10:12	Dark	41.500	31	Alp Gru	1.7340	15200.	83	32306	No
17	GOM_NL__2PRFIN20080505_011237_000000392068_00189_32307_7644.N1	05-MAY-2008 01:12:37	Dark	38.500	148	Alp Tuc	2.8780	4100.0	77	32307	No
18	GOM_NL__2PRFIN20080505_011546_000000402068_00189_32307_7645.N1	05-MAY-2008 01:15:46	Dark	39.500	45	Alp Pav	1.9400	26000.	79	32307	No
19	GOM_NL__2PRFIN20080505_012203_000000392068_00189_32307_7646.N1	05-MAY-2008 01:22:03	Straylight	38.500	43	Alp TrA	1.9100	4250.0	77	32307	No
20	GOM_NL__2PRFIN20080505_012415_000000382068_00189_32307_7647.N1	05-MAY-2008 01:24:15	Straylight	37.500	134	Bet TrA	2.8100	6600.0	75	32307	No
21	GOM_NL__2PRFIN20080505_012612_000000502068_00189_32307_7648.N1	05-MAY-2008 01:26:12	Straylight	50.000	4	Alp1Cen	-0.010000	5800.0	100	32307	No
22	GOM_NL__2PRFIN20080505_012940_000000402068_00189_32307_7649.N1	05-MAY-2008 01:29:40	Straylight	39.500	78	Alp Lup	2.3040	28000.	79	32307	No
23	GOM_NL__2PRFIN20080505_013112_000000402068_00189_32307_7650.N1	05-MAY-2008 01:31:12	Straylight	40.000	81	Eta Cen	2.3560	28000.	80	32307	No
24	GOM_NL__2PRFIN20080505_013314_000000452068_00189_32307_7651.N1	05-MAY-2008 01:33:14	Twilight_stray	45.000	54	5The Cen	2.0550	4500.0	90	32307	No
25	GOM_NL__2PRFIN20080505_013727_000000382068_00189_32307_7652.N1	05-MAY-2008 01:37:27	Bright	38.000	169	46Gam Hya	2.9910	4700.0	76	32307	No
26	GOM_NL__2PRFIN20080505_014044_000000382068_00189_32307_7653.N1	05-MAY-2008 01:40:44	Bright	37.500	15	67Alp Vir	0.97600	28000.	75	32307	No
27	GOM_NL__2PRFIN20080505_014351_000000362068_00189_32307_7654.N1	05-MAY-2008 01:43:51	Bright	36.000	121	29Gam Vir	2.7400	7200.0	72	32307	No
28	GOM_NL__2PRFIN20080505_014705_000000352068_00189_32307_7655.N1	05-MAY-2008 01:47:05	Bright	35.000	138	47Eps Vir	2.8280	4700.0	70	32307	No
29	GOM_NL__2PRFIN20080505_014909_000000382068_00189_32307_7656.N1	05-MAY-2008 01:49:09	Bright	37.500	111	8Eta Boo	2.6800	6000.0	75	32307	No
30	GOM_NL__2PRFIN20080505_015444_000000352068_00189_32307_7657.N1	05-MAY-2008 01:54:44	Bright	34.500	152	12Alp2CVn	2.8900	11000.	69	32307	No
31	GOM_NL__2PRFIN20080505_015802_000000372068_00189_32307_7658.N1	05-MAY-2008 01:58:02	Bright	37.000	39	85Eta UMa	1.8540	24000.	74	32307	No
32	GOM_NL__2PRFIN20080505_015927_000000372068_00189_32307_7659.N1	05-MAY-2008 01:59:27	Bright	36.500	55	79Zet UMa	2.0600	10200.	73	32307	No
33	GOM_NL__2PRFIN20080505_020100_000000342068_00189_32307_7660.N1	05-MAY-2008 02:01:00	Bright	33.500	82	48Bet UMa	2.3650	10600.	67	32307	No
34	GOM_NL__2PRFIN20080505_020215_000000372068_00189_32307_7661.N1	05-MAY-2008 02:02:15	Bright	37.000	36	50Alp UMa	1.8000	6300.0	74	32307	No
35	GOM_NL__2PRFIN20080505_020530_000000342068_00189_32307_7662.N1	05-MAY-2008 02:05:30	Bright	33.500	60	7Bet UMi	2.0810	3950.0	67	32307	No
36	GOM_NL__2PRFIN20080505_020929_000000352068_00189_32307_7663.N1	05-MAY-2008 02:09:29	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	32307	No
37	GOM_NL__2PRFIN20080505_021731_000000522068_00189_32307_7664.N1	05-MAY-2008 02:17:31	Bright	52.000	110	37Del Cas	2.6780	8900.0	104	32307	No
38	GOM_NL__2PRFIN20080505_021849_000000362068_00189_32307_7665.N1	05-MAY-2008 02:18:49	Bright	35.500	68	18Alp Cas	2.2250	4500.0	71	32307	No
39	GOM_NL__2PRFIN20080505_023936_000000402068_00189_32307_7666.N1	05-MAY-2008 02:39:36	Dark	39.500	52	16Bet Cet	2.0370	4500.0	79	32307	No
40	GOM_NL__2PRFIN20080505_024500_000000422068_00189_32307_7667.N1	05-MAY-2008 02:45:00	Dark	42.000	18	24Alp PsA	1.1660	9700.0	84	32307	No
41	GOM_NL__2PRFIN20080505_025049_000000412068_00189_32307_7668.N1	05-MAY-2008 02:50:49	Dark	41.000	31	Alp Gru	1.7340	15200.	82	32307	No
42	GOM_NL__2PRFIN20080505_025313_000000382068_00190_32308_7751.N1	05-MAY-2008 02:53:13	Dark	38.000	148	Alp Tuc	2.8780	4100.0	76	32308	No







161	GOM_NL__2PRFIN20080505_104149_000000332068_00194_32312_7820.N1	05-MAY-2008 10:41:49	Bright	32.500	68	18Alp Cas	2.2250	4500.0	65	32312	No
162	GOM_NL__2PRFIN20080505_110236_000000432068_00194_32312_7821.N1	05-MAY-2008 11:02:36	Dark	43.000	52	16Bet Cet	2.0370	4500.0	86	32312	No
163	GOM_NL__2PRFIN20080505_110802_000000442068_00194_32312_7822.N1	05-MAY-2008 11:08:02	Dark	43.500	18	24Alp PsA	1.1660	9700.0	87	32312	No
164	GOM_NL__2PRFIN20080505_111352_000000412068_00194_32312_7823.N1	05-MAY-2008 11:13:52	Dark	41.000	31	Alp Gru	1.7340	15200.	82	32312	No
165	GOM_NL__2PRFIN20080505_111615_000000392068_00195_32313_7794.N1	05-MAY-2008 11:16:15	Dark	38.500	148	Alp Tuc	2.8780	4100.0	77	32313	No
166	GOM_NL__2PRFIN20080505_111925_000000422068_00195_32313_7795.N1	05-MAY-2008 11:19:25	Dark	42.000	45	Alp Pav	1.9400	26000.	84	32313	No
167	GOM_NL__2PRFIN20080505_112540_000000402068_00195_32313_7796.N1	05-MAY-2008 11:25:40	Straylight	39.500	43	Alp TrA	1.9100	4250.0	79	32313	No
168	GOM_NL__2PRFIN20080505_112753_000000372068_00195_32313_7797.N1	05-MAY-2008 11:27:53	Straylight	37.000	134	Bet TrA	2.8100	6600.0	74	32313	No
169	GOM_NL__2PRFIN20080505_112949_000000422068_00195_32313_7798.N1	05-MAY-2008 11:29:49	Straylight	41.500	4	Alp1Cen	-0.010000	5800.0	83	32313	No
170	GOM_NL__2PRFIN20080505_113318_000000382068_00195_32313_7799.N1	05-MAY-2008 11:33:18	Straylight	37.500	78	Alp Lup	2.3040	28000.	75	32313	No
171	GOM_NL__2PRFIN20080505_113449_000000372068_00195_32313_7800.N1	05-MAY-2008 11:34:49	Straylight	37.000	81	Eta Cen	2.3560	28000.	74	32313	No
172	GOM_NL__2PRFIN20080505_113651_000000432068_00195_32313_7801.N1	05-MAY-2008 11:36:51	Tw_i_and_stray	42.500	54	5The Cen	2.0550	4500.0	85	32313	No
173	GOM_NL__2PRFIN20080505_114104_000000362068_00195_32313_7802.N1	05-MAY-2008 11:41:04	Bright	36.000	169	46Gam Hya	2.9910	4700.0	72	32313	No
174	GOM_NL__2PRFIN20080505_114420_000000382068_00195_32313_7803.N1	05-MAY-2008 11:44:20	Bright	38.000	15	67Alp Vir	0.97600	28000.	76	32313	No
175	GOM_NL__2PRFIN20080505_114728_000000442068_00195_32313_7804.N1	05-MAY-2008 11:47:28	Bright	43.500	121	29Gam Vir	2.7400	7200.0	87	32313	No
176	GOM_NL__2PRFIN20080505_115041_000000362068_00195_32313_7805.N1	05-MAY-2008 11:50:41	Bright	35.500	138	47Eps Vir	2.8280	4700.0	71	32313	No
177	GOM_NL__2PRFIN20080505_115244_000000362068_00195_32313_7806.N1	05-MAY-2008 11:52:44	Bright	36.000	111	8Eta Boo	2.6800	6000.0	72	32313	No
178	GOM_NL__2PRFIN20080505_115820_000000372068_00195_32313_7807.N1	05-MAY-2008 11:58:20	Bright	36.500	152	12Alp2CVn	2.8900	11000.	73	32313	No
179	GOM_NL__2PRFIN20080505_120137_000000382068_00195_32313_7808.N1	05-MAY-2008 12:01:37	Bright	38.000	39	85Eta UMa	1.8540	24000.	76	32313	No
180	GOM_NL__2PRFIN20080505_120302_000000372068_00195_32313_7809.N1	05-MAY-2008 12:03:02	Bright	36.500	55	79Zet UMa	2.0600	10200.	73	32313	No
181	GOM_NL__2PRFIN20080505_120553_000000372068_00195_32313_7810.N1	05-MAY-2008 12:05:53	Bright	36.500	36	50Alp UMa	1.8000	6300.0	73	32313	No
182	GOM_NL__2PRFIN20080505_120905_000000382068_00195_32313_7811.N1	05-MAY-2008 12:09:05	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	32313	No
183	GOM_NL__2PRFIN20080505_121304_000000342068_00195_32313_7812.N1	05-MAY-2008 12:13:04	Bright	33.500	49	1Alp UMi	1.9900	6300.0	67	32313	No
184	GOM_NL__2PRFIN20080505_122110_000000342068_00195_32313_7813.N1	05-MAY-2008 12:21:10	Bright	34.000	76	27Gam Cas	2.3000	30000.	68	32313	No
185	GOM_NL__2PRFIN20080505_122225_000000342068_00195_32313_7814.N1	05-MAY-2008 12:22:25	Bright	33.500	68	18Alp Cas	2.2250	4500.0	67	32313	No
186	GOM_NL__2PRFIN20080505_124312_000000412068_00195_32313_7815.N1	05-MAY-2008 12:43:12	Dark	41.000	52	16Bet Cet	2.0370	4500.0	82	32313	No
187	GOM_NL__2PRFIN20080505_124839_000000472068_00195_32313_7816.N1	05-MAY-2008 12:48:39	Dark	46.500	18	24Alp PsA	1.1660	9700.0	93	32313	No
188	GOM_NL__2PRFIN20080505_125428_000000392068_00195_32313_7817.N1	05-MAY-2008 12:54:28	Dark	39.000	31	Alp Gru	1.7340	15200.	78	32313	No
189	GOM_NL__2PRFIN20080505_125651_000000382068_00196_32314_7830.N1	05-MAY-2008 12:56:51	Dark	38.000	148	Alp Tuc	2.8780	4100.0	76	32314	No
190	GOM_NL__2PRFIN20080505_130002_000000422068_00196_32314_7831.N1	05-MAY-2008 13:00:02	Dark	42.000	45	Alp Pav	1.9400	26000.	84	32314	No
191	GOM_NL__2PRFIN20080505_130617_000000392068_00196_32314_7832.N1	05-MAY-2008 13:06:17	Straylight	38.500	43	Alp TrA	1.9100	4250.0	77	32314	No
192	GOM_NL__2PRFIN20080505_130829_000000372068_00196_32314_7833.N1	05-MAY-2008 13:08:29	Straylight	37.000	134	Bet TrA	2.8100	6600.0	74	32314	No
193	GOM_NL__2PRFIN20080505_131025_000000422068_00196_32314_7834.N1	05-MAY-2008 13:10:25	Straylight	41.500	4	Alp1Cen	-0.010000	5800.0	83	32314	No
194	GOM_NL__2PRFIN20080505_131354_000000372068_00196_32314_7835.N1	05-MAY-2008 13:13:54	Straylight	37.000	78	Alp Lup	2.3040	28000.	74	32314	No
195	GOM_NL__2PRFIN20080505_131526_000000392068_00196_32314_7836.N1	05-MAY-2008 13:15:26	Straylight	38.500	81	Eta Cen	2.3560	28000.	77	32314	No
196	GOM_NL__2PRFIN20080505_131727_000000422068_00196_32314_7837.N1	05-MAY-2008 13:17:27	Tw_i_and_stray	42.000	54	5The Cen	2.0550	4500.0	84	32314	No
197	GOM_NL__2PRFIN20080505_132140_000000382068_00196_32314_7838.N1	05-MAY-2008 13:21:40	Bright	38.000	169	46Gam Hya	2.9910	4700.0	76	32314	No
198	GOM_NL__2PRFIN20080505_132456_000000392068_00196_32314_7839.N1	05-MAY-2008 13:24:56	Bright	38.500	15	67Alp Vir	0.97600	28000.	77	32314	No
199	GOM_NL__2PRFIN20080505_132804_000000372068_00196_32314_7840.N1	05-MAY-2008 13:28:04	Bright	36.500	121	29Gam Vir	2.7400	7200.0	73	32314	No
200	GOM_NL__2PRFIN20080505_133118_000000352068_00196_32314_7841.N1	05-MAY-2008 13:31:18	Bright	34.500	138	47Eps Vir	2.8280	4700.0	69	32314	No
201	GOM_NL__2PRFIN20080505_133320_000000372068_00196_32314_7842.N1	05-MAY-2008 13:33:20	Bright	37.000	111	8Eta Boo	2.6800	6000.0	74	32314	No
202	GOM_NL__2PRFIN20080505_133857_000000352068_00196_32314_7843.N1	05-MAY-2008 13:38:57	Bright	34.500	152	12Alp2CVn	2.8900	11000.	69	32314	No
203	GOM_NL__2PRFIN20080505_134212_000000382068_00196_32314_7844.N1	05-MAY-2008 13:42:12	Bright	38.000	39	85Eta UMa	1.8540	24000.	76	32314	No
204	GOM_NL__2PRFIN20080505_134338_000000372068_00196_32314_7845.N1	05-MAY-2008 13:43:38	Bright	36.500	55	79Zet UMa	2.0600	10200.	73	32314	No
205	GOM_NL__2PRFIN20080505_134629_000000382068_00196_32314_7846.N1	05-MAY-2008 13:46:29	Bright	38.000	36	50Alp UMa	1.8000	6300.0	76	32314	No
206	GOM_NL__2PRFIN20080505_134941_000000382068_00196_32314_7847.N1	05-MAY-2008 13:49:41	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	32314	No
207	GOM_NL__2PRFIN20080505_135340_000000332068_00196_32314_7848.N1	05-MAY-2008 13:53:40	Bright	32.500	49	1Alp UMi	1.9900	6300.0	65	32314	No
208	GOM_NL__2PRFIN20080505_140146_000000362068_00196_32314_7849.N1	05-MAY-2008 14:01:46	Bright	35.500	76	27Gam Cas	2.3000	30000.	71	32314	No
209	GOM_NL__2PRFIN20080505_140301_000000352068_00196_32314_7850.N1	05-MAY-2008 14:03:01	Bright	34.500	68	18Alp Cas	2.2250	4500.0	69	32314	No
210	GOM_NL__2PRFIN20080505_142348_000000452068_00196_32314_7851.N1	05-MAY-2008 14:23:48	Dark	44.500	52	16Bet Cet	2.0370	4500.0	89	32314	No
211	GOM_NL__2PRFIN20080505_142915_000000452068_00196_32314_7852.N1	05-MAY-2008 14:29:15	Dark	44.500	18	24Alp PsA	1.1660	9700.0	89	32314	No
212	GOM_NL__2PRFIN20080505_143505_000000432068_00196_32314_7853.N1	05-MAY-2008 14:35:05	Dark	42.500	31	Alp Gru	1.7340	15200.	85	32314	No
213	GOM_NL__2PRFIN20080505_143727_000000382068_00197_32315_7860.N1	05-MAY-2008 14:37:27	Dark	37.500	148	Alp Tuc	2.8780	4100.0	75	32315	No
214	GOM_NL__2PRFIN20080505_144039_000000392068_00197_32315_7861.N1	05-MAY-2008 14:40:39	Dark	39.000	45	Alp Pav	1.9400	26000.	78	32315	No
215	GOM_NL__2PRFIN20080505_144653_000000382068_00197_32315_7862.N1	05-MAY-2008 14:46:53	Straylight	38.000	43	Alp TrA	1.9100	4250.0	76	32315	No
216	GOM_NL__2PRFIN20080505_144905_000000402068_00197_32315_7863.N1	05-MAY-2008 14:49:05	Straylight	40.000	134	Bet TrA	2.8100	6600.0	80	32315	No
217	GOM_NL__2PRFIN20080505_145101_000000452068_00197_32315_7864.N1	05-MAY-2008 14:51:01	Straylight	44.500	4	Alp1Cen	-0.010000	5800.0	89	32315	No
218	GOM_NL__2PRFIN20080505_145430_000000362068_00197_32315_7865.N1	05-MAY-2008 14:54:30	Straylight	35.500	78	Alp Lup	2.3040	28000.	71	32315	No
219	GOM_NL__2PRFIN20080505_145602_000000382068_00197_32315_7866.N1	05-MAY-2008 14:56:02	Straylight	37.500	81	Eta Cen	2.3560	28000.	75	32315	No

220	GOM_NL__2PRFIN20080505_145803_000000422068_00197_32315_7867.N1	05-MAY-2008 14:58:03	Twilight	41.500	54	5The Cen	2.0550	4500.0	83	32315	No
221	GOM_NL__2PRFIN20080505_150216_000000392068_00197_32315_7868.N1	05-MAY-2008 15:02:16	Bright	38.500	169	46Gam Hya	2.9910	4700.0	77	32315	No
222	GOM_NL__2PRFIN20080505_150533_000000372068_00197_32315_7869.N1	05-MAY-2008 15:05:33	Bright	37.000	15	67Alp Vir	0.97600	28000.	74	32315	No
223	GOM_NL__2PRFIN20080505_150840_000000362068_00197_32315_7870.N1	05-MAY-2008 15:08:40	Bright	35.500	121	29Gam Vir	2.7400	7200.0	71	32315	No
224	GOM_NL__2PRFIN20080505_151154_000000352068_00197_32315_7871.N1	05-MAY-2008 15:11:54	Bright	34.500	138	47Eps Vir	2.8280	4700.0	69	32315	No
225	GOM_NL__2PRFIN20080505_151356_000000362068_00197_32315_7872.N1	05-MAY-2008 15:13:56	Bright	35.500	111	8Eta Boo	2.6800	6000.0	71	32315	No
226	GOM_NL__2PRFIN20080505_151933_000000352068_00197_32315_7873.N1	05-MAY-2008 15:19:33	Bright	34.500	152	12Alp2CVn	2.8900	11000.	69	32315	No
227	GOM_NL__2PRFIN20080505_152248_000000382068_00197_32315_7874.N1	05-MAY-2008 15:22:48	Bright	37.500	39	85Eta UMa	1.8540	24000.	75	32315	No
228	GOM_NL__2PRFIN20080505_152414_000000372068_00197_32315_7875.N1	05-MAY-2008 15:24:14	Bright	36.500	55	79Zet UMa	2.0600	10200.	73	32315	No
229	GOM_NL__2PRFIN20080505_152705_000000372068_00197_32315_7876.N1	05-MAY-2008 15:27:05	Bright	36.500	36	50Alp UMa	1.8000	6300.0	73	32315	No
230	GOM_NL__2PRFIN20080505_153016_000000352068_00197_32315_7877.N1	05-MAY-2008 15:30:16	Bright	35.000	60	7Bet UMi	2.0810	3950.0	70	32315	No
231	GOM_NL__2PRFIN20080505_153416_000000362068_00197_32315_7878.N1	05-MAY-2008 15:34:16	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	32315	No
232	GOM_NL__2PRFIN20080505_154222_000000342068_00197_32315_7879.N1	05-MAY-2008 15:42:22	Bright	34.000	76	27Gam Cas	2.3000	30000.	68	32315	No
233	GOM_NL__2PRFIN20080505_154337_000000442068_00197_32315_7880.N1	05-MAY-2008 15:43:37	Bright	43.500	68	18Alp Cas	2.2250	4500.0	87	32315	No
234	GOM_NL__2PRFIN20080505_160425_000000442068_00197_32315_7881.N1	05-MAY-2008 16:04:25	Dark	43.500	52	16Bet Cet	2.0370	4500.0	87	32315	No
235	GOM_NL__2PRFIN20080505_160952_000000502068_00197_32315_7882.N1	05-MAY-2008 16:09:52	Dark	50.000	18	24Alp PsA	1.1660	9700.0	100	32315	No
236	GOM_NL__2PRFIN20080505_161542_000000472068_00197_32315_7883.N1	05-MAY-2008 16:15:42	Dark	47.000	31	Alp Gru	1.7340	15200.	94	32315	No
237	GOM_NL__2PRFIN20080505_161804_000000452068_00198_32316_7855.N1	05-MAY-2008 16:18:04	Dark	44.500	148	Alp Tuc	2.8780	4100.0	89	32316	No
238	GOM_NL__2PRFIN20080505_162115_000000412068_00198_32316_7856.N1	05-MAY-2008 16:21:15	Dark	41.000	45	Alp Pav	1.9400	26000.	82	32316	No
239	GOM_NL__2PRFIN20080505_162729_000000382068_00198_32316_7857.N1	05-MAY-2008 16:27:29	Straylight	38.000	43	Alp TrA	1.9100	4250.0	76	32316	No
240	GOM_NL__2PRFIN20080505_162941_000000372068_00198_32316_7858.N1	05-MAY-2008 16:29:41	Straylight	36.500	134	Bet TrA	2.8100	6600.0	73	32316	No
241	GOM_NL__2PRFIN20080505_163138_000000462068_00198_32316_7859.N1	05-MAY-2008 16:31:38	Straylight	45.500	4	Alp1Cen	-0.010000	5800.0	91	32316	No
242	GOM_NL__2PRFIN20080505_163506_000000382068_00198_32316_7860.N1	05-MAY-2008 16:35:06	Straylight	38.000	78	Alp Lup	2.3040	28000.	76	32316	No
243	GOM_NL__2PRFIN20080505_163638_000000412068_00198_32316_7861.N1	05-MAY-2008 16:36:38	Straylight	41.000	81	Eta Cen	2.3560	28000.	82	32316	No
244	GOM_NL__2PRFIN20080505_163839_000000432068_00198_32316_7862.N1	05-MAY-2008 16:38:39	Twilight	43.000	54	5The Cen	2.0550	4500.0	86	32316	No
245	GOM_NL__2PRFIN20080505_164252_000000382068_00198_32316_7863.N1	05-MAY-2008 16:42:52	Bright	37.500	169	46Gam Hya	2.9910	4700.0	75	32316	No
246	GOM_NL__2PRFIN20080505_164609_000000382068_00198_32316_7864.N1	05-MAY-2008 16:46:09	Bright	37.500	15	67Alp Vir	0.97600	28000.	75	32316	No
247	GOM_NL__2PRFIN20080505_164916_000000362068_00198_32316_7865.N1	05-MAY-2008 16:49:16	Bright	35.500	121	29Gam Vir	2.7400	7200.0	71	32316	No
248	GOM_NL__2PRFIN20080505_165230_000000352068_00198_32316_7866.N1	05-MAY-2008 16:52:30	Bright	35.000	138	47Eps Vir	2.8280	4700.0	70	32316	No
249	GOM_NL__2PRFIN20080505_165432_000000372068_00198_32316_7867.N1	05-MAY-2008 16:54:32	Bright	36.500	111	8Eta Boo	2.6800	6000.0	73	32316	No
250	GOM_NL__2PRFIN20080505_170009_000000352068_00198_32316_7868.N1	05-MAY-2008 17:00:09	Bright	35.000	152	12Alp2CVn	2.8900	11000.	70	32316	No
251	GOM_NL__2PRFIN20080505_170324_000000392068_00198_32316_7869.N1	05-MAY-2008 17:03:24	Bright	38.500	39	85Eta UMa	1.8540	24000.	77	32316	No
252	GOM_NL__2PRFIN20080505_170450_000000352068_00198_32316_7870.N1	05-MAY-2008 17:04:50	Bright	35.000	55	79Zet UMa	2.0600	10200.	70	32316	No
253	GOM_NL__2PRFIN20080505_170742_000000372068_00198_32316_7871.N1	05-MAY-2008 17:07:42	Bright	36.500	36	50Alp UMa	1.8000	6300.0	73	32316	No
254	GOM_NL__2PRFIN20080505_171052_000000382068_00198_32316_7872.N1	05-MAY-2008 17:10:52	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	32316	No
255	GOM_NL__2PRFIN20080505_171452_000000362068_00198_32316_7873.N1	05-MAY-2008 17:14:52	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	32316	No
256	GOM_NL__2PRFIN20080505_172258_000000332068_00198_32316_7874.N1	05-MAY-2008 17:22:58	Bright	32.500	76	27Gam Cas	2.3000	30000.	65	32316	No
257	GOM_NL__2PRFIN20080505_172413_000000332068_00198_32316_7875.N1	05-MAY-2008 17:24:13	Bright	33.000	68	18Alp Cas	2.2250	4500.0	66	32316	No
258	GOM_NL__2PRFIN20080505_174501_000000422068_00198_32316_7876.N1	05-MAY-2008 17:45:01	Dark	42.000	52	16Bet Cet	2.0370	4500.0	84	32316	No
259	GOM_NL__2PRFIN20080505_175028_000000472068_00198_32316_7877.N1	05-MAY-2008 17:50:28	Dark	46.500	18	24Alp PsA	1.1660	9700.0	93	32316	No
260	GOM_NL__2PRFIN20080505_175618_000000462068_00198_32316_7878.N1	05-MAY-2008 17:56:18	Dark	45.500	31	Alp Gru	1.7340	15200.	91	32316	No
261	GOM_NL__2PRFIN20080505_175840_000000382068_00199_32317_7874.N1	05-MAY-2008 17:58:40	Dark	38.000	148	Alp Tuc	2.8780	4100.0	76	32317	No
262	GOM_NL__2PRFIN20080505_180152_000000402068_00199_32317_7875.N1	05-MAY-2008 18:01:52	Dark	40.000	45	Alp Pav	1.9400	26000.	80	32317	No
263	GOM_NL__2PRFIN20080505_180806_000000402068_00199_32317_7876.N1	05-MAY-2008 18:08:06	Straylight	40.000	43	Alp TrA	1.9100	4250.0	80	32317	No
264	GOM_NL__2PRFIN20080505_181018_000000372068_00199_32317_7877.N1	05-MAY-2008 18:10:18	Straylight	37.000	134	Bet TrA	2.8100	6600.0	74	32317	No
265	GOM_NL__2PRFIN20080505_181214_000000452068_00199_32317_7878.N1	05-MAY-2008 18:12:14	Straylight	44.500	4	Alp1Cen	-0.010000	5800.0	89	32317	No
266	GOM_NL__2PRFIN20080505_181543_000000382068_00199_32317_7879.N1	05-MAY-2008 18:15:43	Straylight	38.000	78	Alp Lup	2.3040	28000.	76	32317	No
267	GOM_NL__2PRFIN20080505_181714_000000402068_00199_32317_7880.N1	05-MAY-2008 18:17:14	Straylight	40.000	81	Eta Cen	2.3560	28000.	80	32317	No
268	GOM_NL__2PRFIN20080505_181916_000000442068_00199_32317_7881.N1	05-MAY-2008 18:19:16	Twilight	43.500	54	5The Cen	2.0550	4500.0	87	32317	No
269	GOM_NL__2PRFIN20080505_182328_000000372068_00199_32317_7882.N1	05-MAY-2008 18:23:28	Bright	36.500	169	46Gam Hya	2.9910	4700.0	73	32317	No
270	GOM_NL__2PRFIN20080505_182645_000000382068_00199_32317_7883.N1	05-MAY-2008 18:26:45	Bright	37.500	15	67Alp Vir	0.97600	28000.	75	32317	No
271	GOM_NL__2PRFIN20080505_182953_000000362068_00199_32317_7884.N1	05-MAY-2008 18:29:53	Bright	36.000	121	29Gam Vir	2.7400	7200.0	72	32317	No
272	GOM_NL__2PRFIN20080505_183306_000000352068_00199_32317_7885.N1	05-MAY-2008 18:33:06	Bright	35.000	138	47Eps Vir	2.8280	4700.0	70	32317	No
273	GOM_NL__2PRFIN20080505_183507_000000372068_00199_32317_7886.N1	05-MAY-2008 18:35:07	Bright	36.500	111	8Eta Boo	2.6800	6000.0	73	32317	No
274	GOM_NL__2PRFIN20080505_184045_000000352068_00199_32317_7887.N1	05-MAY-2008 18:40:45	Bright	35.000	152	12Alp2CVn	2.8900	11000.	70	32317	No
275	GOM_NL__2PRFIN20080505_184400_000000392068_00199_32317_7888.N1	05-MAY-2008 18:44:00	Bright	38.500	39	85Eta UMa	1.8540	24000.	77	32317	No
276	GOM_NL__2PRFIN20080505_184526_000000362068_00199_32317_7889.N1	05-MAY-2008 18:45:26	Bright	36.000	55	79Zet UMa	2.0600	10200.	72	32317	No
277	GOM_NL__2PRFIN20080505_184818_000000372068_00199_32317_7890.N1	05-MAY-2008 18:48:18	Bright	37.000	36	50Alp UMa	1.8000	6300.0	74	32317	No
278	GOM_NL__2PRFIN20080505_185128_000000392068_00199_32317_7891.N1	05-MAY-2008 18:51:28	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	32317	No

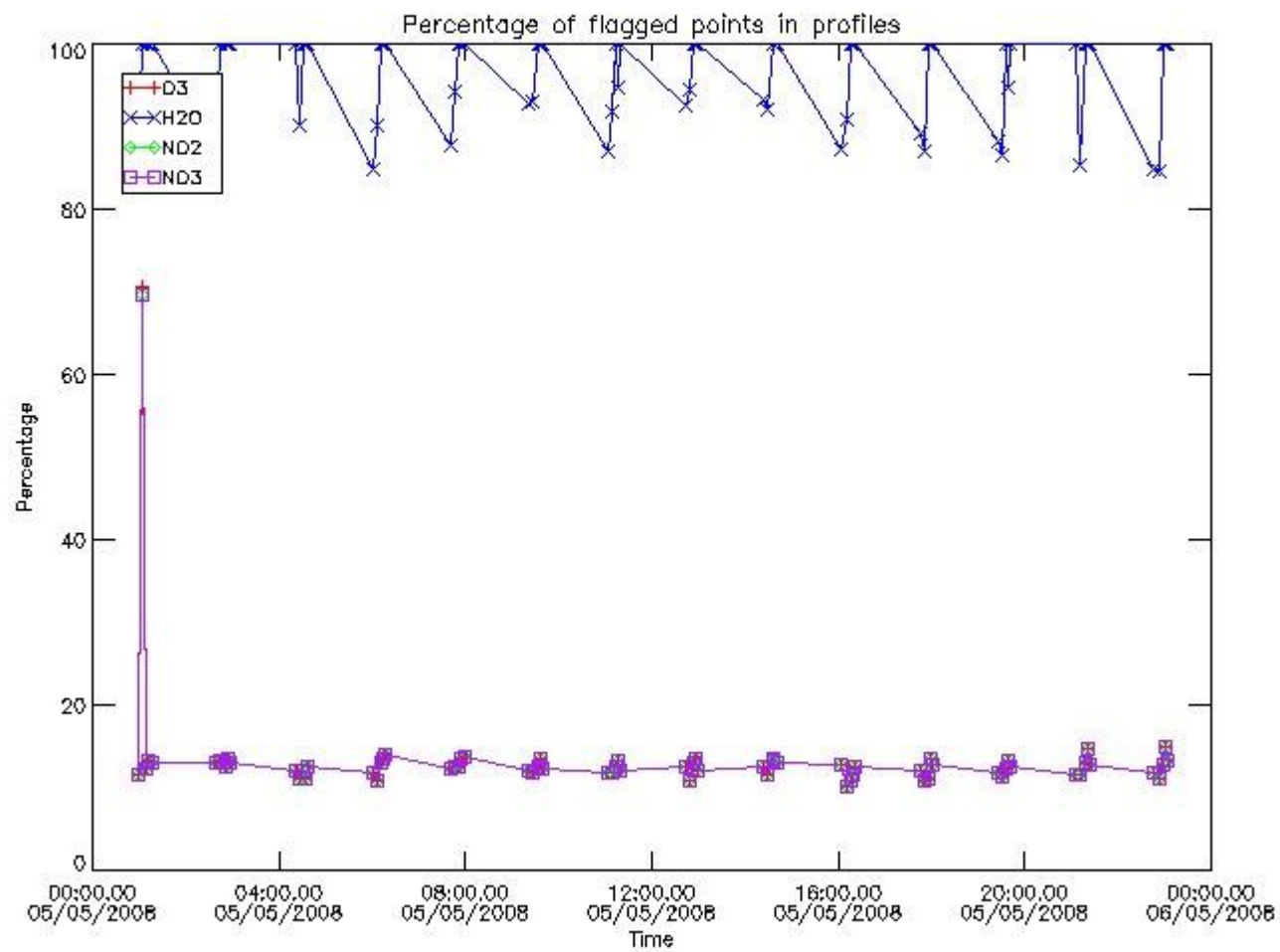
279	GOM_NL__2PRFIN20080505_185528_000000372068_00199_32317_7892.N1	05-MAY-2008 18:55:28	Bright	37.000	49	1Alp UMi	1.9900	6300.0	74	32317	No
280	GOM_NL__2PRFIN20080505_190334_000000352068_00199_32317_7893.N1	05-MAY-2008 19:03:34	Bright	34.500	76	27Gam Cas	2.3000	30000.	69	32317	No
281	GOM_NL__2PRFIN20080505_190449_000000362068_00199_32317_7894.N1	05-MAY-2008 19:04:49	Bright	36.000	68	18Alp Cas	2.2250	4500.0	72	32317	No
282	GOM_NL__2PRFIN20080505_192537_000000432068_00199_32317_7895.N1	05-MAY-2008 19:25:37	Dark	43.000	52	16Bet Cet	2.0370	4500.0	86	32317	No
283	GOM_NL__2PRFIN20080505_193105_000000452068_00199_32317_7896.N1	05-MAY-2008 19:31:05	Dark	45.000	18	24Alp PsA	1.1660	9700.0	90	32317	No
284	GOM_NL__2PRFIN20080505_193655_000000422068_00199_32317_7897.N1	05-MAY-2008 19:36:55	Dark	41.500	31	Alp Gru	1.7340	15200.	83	32317	No
285	GOM_NL__2PRFIN20080505_193916_000000392068_00200_32318_7908.N1	05-MAY-2008 19:39:16	Dark	38.500	148	Alp Tuc	2.8780	4100.0	77	32318	No
286	GOM_NL__2PRFIN20080505_194229_000000412068_00200_32318_7909.N1	05-MAY-2008 19:42:29	Dark	41.000	45	Alp Pav	1.9400	26000.	82	32318	No
287	GOM_NL__2PRFIN20080505_194842_000000412068_00200_32318_7910.N1	05-MAY-2008 19:48:42	Straylight	40.500	43	Alp TrA	1.9100	4250.0	81	32318	No
288	GOM_NL__2PRFIN20080505_195054_000000372068_00200_32318_7911.N1	05-MAY-2008 19:50:54	Straylight	37.000	134	Bet TrA	2.8100	6600.0	74	32318	No
289	GOM_NL__2PRFIN20080505_195250_000000492068_00200_32318_7912.N1	05-MAY-2008 19:52:50	Straylight	49.000	4	Alp1Cen	-0.010000	5800.0	98	32318	No
290	GOM_NL__2PRFIN20080505_195619_000000402068_00200_32318_7913.N1	05-MAY-2008 19:56:19	Straylight	39.500	78	Alp Lup	2.3040	28000.	79	32318	No
291	GOM_NL__2PRFIN20080505_195751_000000412068_00200_32318_7914.N1	05-MAY-2008 19:57:51	Straylight	41.000	81	Eta Cen	2.3560	28000.	82	32318	No
292	GOM_NL__2PRFIN20080505_195952_000000442068_00200_32318_7915.N1	05-MAY-2008 19:59:52	Twi_and_stray	44.000	54	5The Cen	2.0550	4500.0	88	32318	No
293	GOM_NL__2PRFIN20080505_200404_000000382068_00200_32318_7916.N1	05-MAY-2008 20:04:04	Bright	38.000	169	46Gam Hya	2.9910	4700.0	76	32318	No
294	GOM_NL__2PRFIN20080505_200721_000000382068_00200_32318_7917.N1	05-MAY-2008 20:07:21	Bright	38.000	15	67Alp Vir	0.97600	28000.	76	32318	No
295	GOM_NL__2PRFIN20080505_201029_000000372068_00200_32318_7918.N1	05-MAY-2008 20:10:29	Bright	36.500	121	29Gam Vir	2.7400	7200.0	73	32318	No
296	GOM_NL__2PRFIN20080505_201342_000000352068_00200_32318_7919.N1	05-MAY-2008 20:13:42	Bright	35.000	138	47Eps Vir	2.8280	4700.0	70	32318	No
297	GOM_NL__2PRFIN20080505_201543_000000372068_00200_32318_7920.N1	05-MAY-2008 20:15:43	Bright	36.500	111	8Eta Boo	2.6800	6000.0	73	32318	No
298	GOM_NL__2PRFIN20080505_202121_000000352068_00200_32318_7921.N1	05-MAY-2008 20:21:21	Bright	35.000	152	12Alp2CVn	2.8900	11000.	70	32318	No
299	GOM_NL__2PRFIN20080505_202436_000000362068_00200_32318_7922.N1	05-MAY-2008 20:24:36	Bright	36.000	39	85Eta UMa	1.8540	24000.	72	32318	No
300	GOM_NL__2PRFIN20080505_202602_000000362068_00200_32318_7923.N1	05-MAY-2008 20:26:02	Bright	36.000	55	79Zet UMa	2.0600	10200.	72	32318	No
301	GOM_NL__2PRFIN20080505_202854_000000382068_00200_32318_7924.N1	05-MAY-2008 20:28:54	Bright	37.500	36	50Alp UMa	1.8000	6300.0	75	32318	No
302	GOM_NL__2PRFIN20080505_203204_000000392068_00200_32318_7925.N1	05-MAY-2008 20:32:04	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	32318	No
303	GOM_NL__2PRFIN20080505_203604_000000362068_00200_32318_7926.N1	05-MAY-2008 20:36:04	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	32318	No
304	GOM_NL__2PRFIN20080505_204410_000000332068_00200_32318_7927.N1	05-MAY-2008 20:44:10	Bright	32.500	76	27Gam Cas	2.3000	30000.	65	32318	No
305	GOM_NL__2PRFIN20080505_204525_000000322068_00200_32318_7928.N1	05-MAY-2008 20:45:25	Bright	32.000	68	18Alp Cas	2.2250	4500.0	64	32318	No
306	GOM_NL__2PRFIN20080505_210613_000000452068_00200_32318_7929.N1	05-MAY-2008 21:06:13	Dark	44.500	52	16Bet Cet	2.0370	4500.0	89	32318	No
307	GOM_NL__2PRFIN20080505_211142_000000452068_00200_32318_7930.N1	05-MAY-2008 21:11:42	Dark	44.500	18	24Alp PsA	1.1660	9700.0	89	32318	No
308	GOM_NL__2PRFIN20080505_211731_000000392068_00200_32318_7931.N1	05-MAY-2008 21:17:31	Dark	39.000	31	Alp Gru	1.7340	15200.	78	32318	No
309	GOM_NL__2PRFIN20080505_211953_000000382068_00201_32319_7924.N1	05-MAY-2008 21:19:53	Dark	38.000	148	Alp Tuc	2.8780	4100.0	76	32319	No
310	GOM_NL__2PRFIN20080505_212305_000000402068_00201_32319_7925.N1	05-MAY-2008 21:23:05	Dark	40.000	45	Alp Pav	1.9400	26000.	80	32319	No
311	GOM_NL__2PRFIN20080505_212918_000000382068_00201_32319_7926.N1	05-MAY-2008 21:29:18	Straylight	38.000	43	Alp TrA	1.9100	4250.0	76	32319	No
312	GOM_NL__2PRFIN20080505_213130_000000382068_00201_32319_7927.N1	05-MAY-2008 21:31:30	Straylight	37.500	134	Bet TrA	2.8100	6600.0	75	32319	No
313	GOM_NL__2PRFIN20080505_213326_000000442068_00201_32319_7928.N1	05-MAY-2008 21:33:26	Straylight	43.500	4	Alp1Cen	-0.010000	5800.0	87	32319	No
314	GOM_NL__2PRFIN20080505_213655_000000412068_00201_32319_7929.N1	05-MAY-2008 21:36:55	Straylight	40.500	78	Alp Lup	2.3040	28000.	81	32319	No
315	GOM_NL__2PRFIN20080505_213827_000000402068_00201_32319_7930.N1	05-MAY-2008 21:38:27	Straylight	40.000	81	Eta Cen	2.3560	28000.	80	32319	No
316	GOM_NL__2PRFIN20080505_214028_000000422068_00201_32319_7931.N1	05-MAY-2008 21:40:28	Twi_and_stray	42.000	54	5The Cen	2.0550	4500.0	84	32319	No
317	GOM_NL__2PRFIN20080505_214440_000000382068_00201_32319_7932.N1	05-MAY-2008 21:44:40	Bright	38.000	169	46Gam Hya	2.9910	4700.0	76	32319	No
318	GOM_NL__2PRFIN20080505_214757_000000382068_00201_32319_7933.N1	05-MAY-2008 21:47:57	Bright	37.500	15	67Alp Vir	0.97600	28000.	75	32319	No
319	GOM_NL__2PRFIN20080505_215105_000000362068_00201_32319_7934.N1	05-MAY-2008 21:51:05	Bright	36.000	121	29Gam Vir	2.7400	7200.0	72	32319	No
320	GOM_NL__2PRFIN20080505_215418_000000352068_00201_32319_7935.N1	05-MAY-2008 21:54:18	Bright	34.500	138	47Eps Vir	2.8280	4700.0	69	32319	No
321	GOM_NL__2PRFIN20080505_215619_000000362068_00201_32319_7936.N1	05-MAY-2008 21:56:19	Bright	36.000	111	8Eta Boo	2.6800	6000.0	72	32319	No
322	GOM_NL__2PRFIN20080505_220156_000000342068_00201_32319_7937.N1	05-MAY-2008 22:01:56	Bright	34.000	152	12Alp2CVn	2.8900	11000.	68	32319	No
323	GOM_NL__2PRFIN20080505_220511_000000362068_00201_32319_7938.N1	05-MAY-2008 22:05:11	Bright	35.500	39	85Eta UMa	1.8540	24000.	71	32319	No
324	GOM_NL__2PRFIN20080505_220638_000000352068_00201_32319_7939.N1	05-MAY-2008 22:06:38	Bright	34.500	55	79Zet UMa	2.0600	10200.	69	32319	No
325	GOM_NL__2PRFIN20080505_220930_000000372068_00201_32319_7940.N1	05-MAY-2008 22:09:30	Bright	37.000	36	50Alp UMa	1.8000	6300.0	74	32319	No
326	GOM_NL__2PRFIN20080505_221239_000000382068_00201_32319_7941.N1	05-MAY-2008 22:12:39	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	32319	No
327	GOM_NL__2PRFIN20080505_221640_000000362068_00201_32319_7942.N1	05-MAY-2008 22:16:40	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	32319	No
328	GOM_NL__2PRFIN20080505_222446_000000462068_00201_32319_7943.N1	05-MAY-2008 22:24:46	Bright	46.000	76	27Gam Cas	2.3000	30000.	92	32319	No
329	GOM_NL__2PRFIN20080505_222601_000000392068_00201_32319_7944.N1	05-MAY-2008 22:26:01	Bright	39.000	68	18Alp Cas	2.2250	4500.0	78	32319	No
330	GOM_NL__2PRFIN20080505_224649_000000432068_00201_32319_7945.N1	05-MAY-2008 22:46:49	Dark	43.000	52	16Bet Cet	2.0370	4500.0	86	32319	No
331	GOM_NL__2PRFIN20080505_225218_000000462068_00201_32319_7946.N1	05-MAY-2008 22:52:18	Dark	46.000	18	24Alp PsA	1.1660	9700.0	92	32319	No
332	GOM_NL__2PRFIN20080505_225808_000000402068_00201_32319_7947.N1	05-MAY-2008 22:58:08	Dark	40.000	31	Alp Gru	1.7340	15200.	80	32319	No
333	GOM_NL__2PRFIN20080505_230029_000000382068_00202_32320_7931.N1	05-MAY-2008 23:00:29	Dark	37.500	148	Alp Tuc	2.8780	4100.0	75	32320	No
334	GOM_NL__2PRFIN20080505_230342_000000392068_00202_32320_7932.N1	05-MAY-2008 23:03:42	Dark	38.500	45	Alp Pav	1.9400	26000.	77	32320	No
335	GOM_NL__2PRFIN20080505_230954_000000402068_00202_32320_7933.N1	05-MAY-2008 23:09:54	Straylight	40.000	43	Alp TrA	1.9100	4250.0	80	32320	No
336	GOM_NL__2PRFIN20080505_231206_000000382068_00202_32320_7934.N1	05-MAY-2008 23:12:06	Straylight	38.000	134	Bet TrA	2.8100	6600.0	76	32320	No
337	GOM_NL__2PRFIN20080505_231402_000000432068_00202_32320_7935.N1	05-MAY-2008 23:14:02	Straylight	43.000	4	Alp1Cen	-0.010000	5800.0	86	32320	No

338	GOM_NL__2PRFIN20080505_231731_000000392068_00202_32320_7936.N1	05-MAY-2008 23:17:31	Straylight	38.500	78	Alp Lup	2.3040	28000.	77	32320	No
339	GOM_NL__2PRFIN20080505_231903_000000382068_00202_32320_7937.N1	05-MAY-2008 23:19:03	Straylight	38.000	81	Eta Cen	2.3560	28000.	76	32320	No
340	GOM_NL__2PRFIN20080505_232104_000000442068_00202_32320_7938.N1	05-MAY-2008 23:21:04	Twilight_stray	43.500	54	5The Cen	2.0550	4500.0	87	32320	No
341	GOM_NL__2PRFIN20080505_232516_000000392068_00202_32320_7939.N1	05-MAY-2008 23:25:16	Bright	39.000	169	46Gam Hya	2.9910	4700.0	78	32320	No
342	GOM_NL__2PRFIN20080505_232833_000000392068_00202_32320_7940.N1	05-MAY-2008 23:28:33	Bright	38.500	15	67Alp Vir	0.97600	28000.	77	32320	No
343	GOM_NL__2PRFIN20080505_233141_000000362068_00202_32320_7941.N1	05-MAY-2008 23:31:41	Bright	35.500	121	29Gam Vir	2.7400	7200.0	71	32320	No
344	GOM_NL__2PRFIN20080505_233454_000000352068_00202_32320_7942.N1	05-MAY-2008 23:34:54	Bright	34.500	138	47Eps Vir	2.8280	4700.0	69	32320	No
345	GOM_NL__2PRFIN20080505_233655_000000372068_00202_32320_7943.N1	05-MAY-2008 23:36:55	Bright	36.500	111	8Eta Boo	2.6800	6000.0	73	32320	No
346	GOM_NL__2PRFIN20080505_234232_000000442068_00202_32320_7944.N1	05-MAY-2008 23:42:32	Bright	44.000	152	12Alp2CVn	2.8900	11000.	88	32320	No
347	GOM_NL__2PRFIN20080505_234547_000000362068_00202_32320_7945.N1	05-MAY-2008 23:45:47	Bright	35.500	39	85Eta UMa	1.8540	24000.	71	32320	No
348	GOM_NL__2PRFIN20080505_234713_000000342068_00202_32320_7946.N1	05-MAY-2008 23:47:13	Bright	33.500	55	79Zet UMa	2.0600	10200.	67	32320	No

### 3. Quality information per product

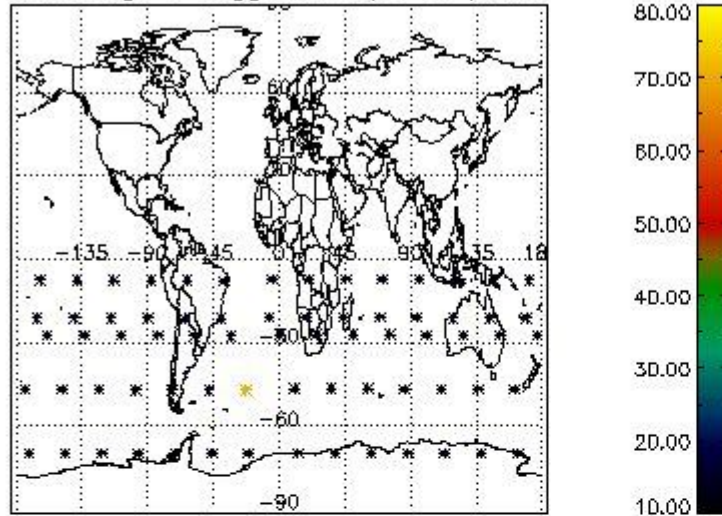
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

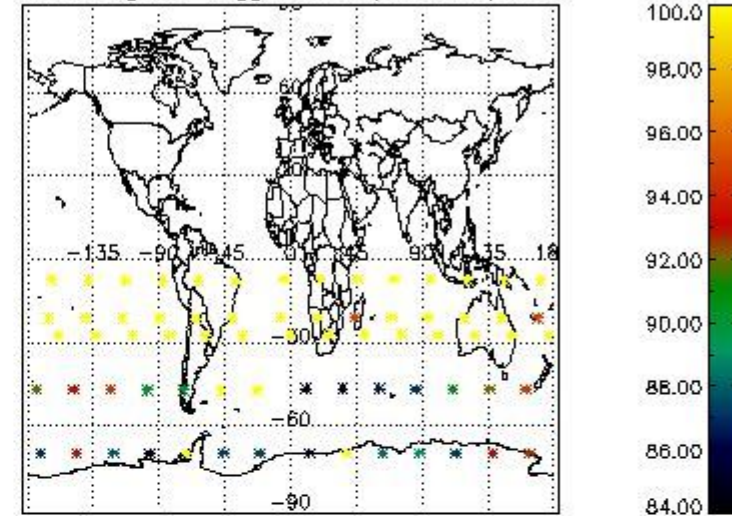


#### 3.2 Plot quality information per product (world map)

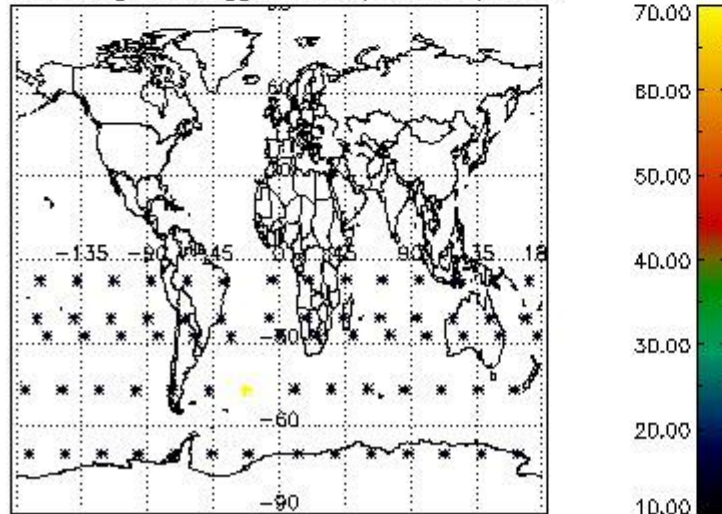
Percentage of flagged data per O3 profile



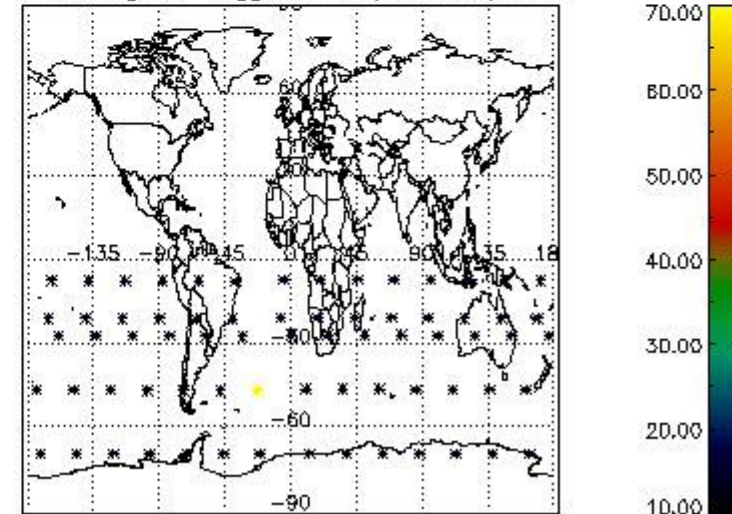
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

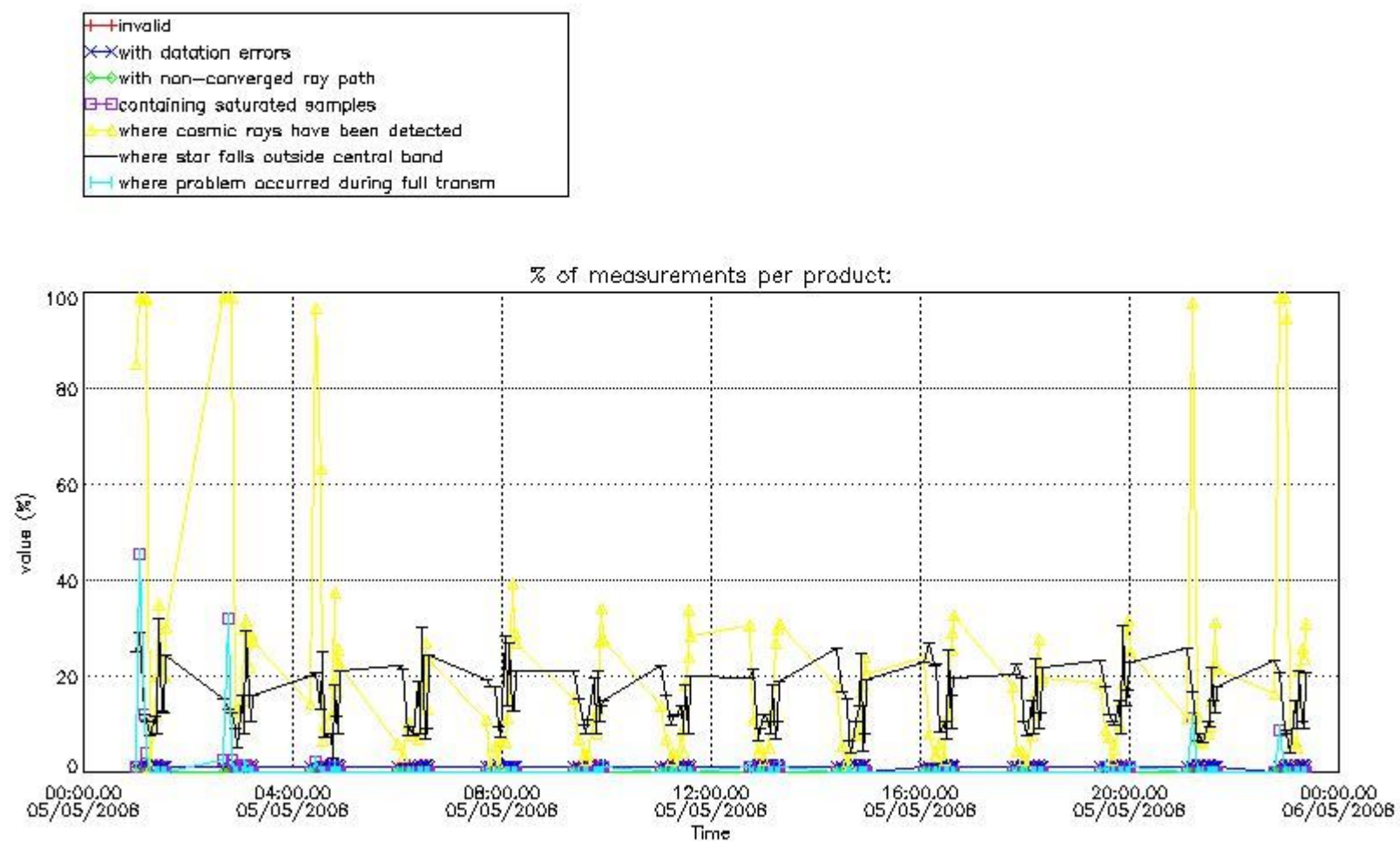


#### 4. Level 1 quality information per product

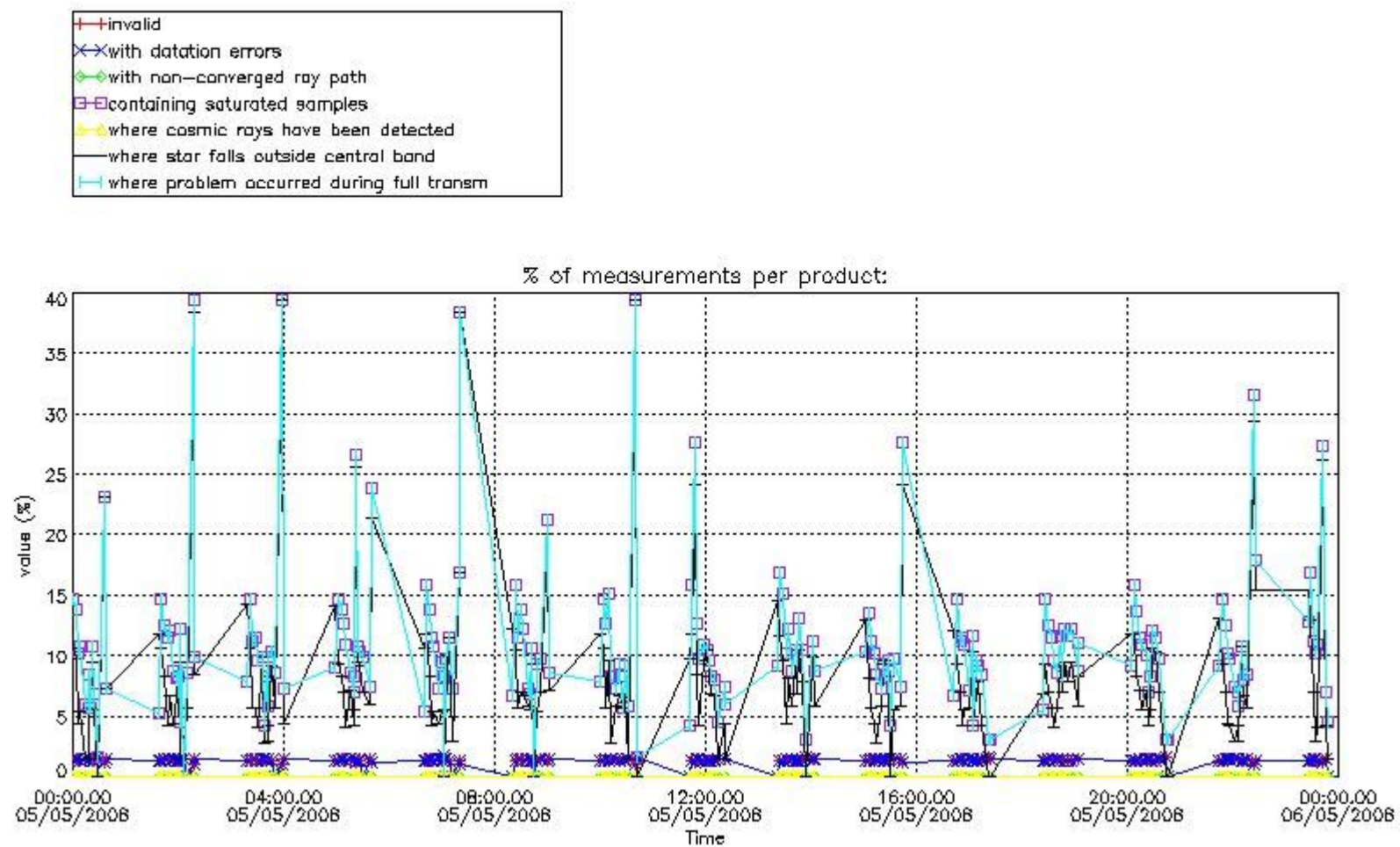
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

##### 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



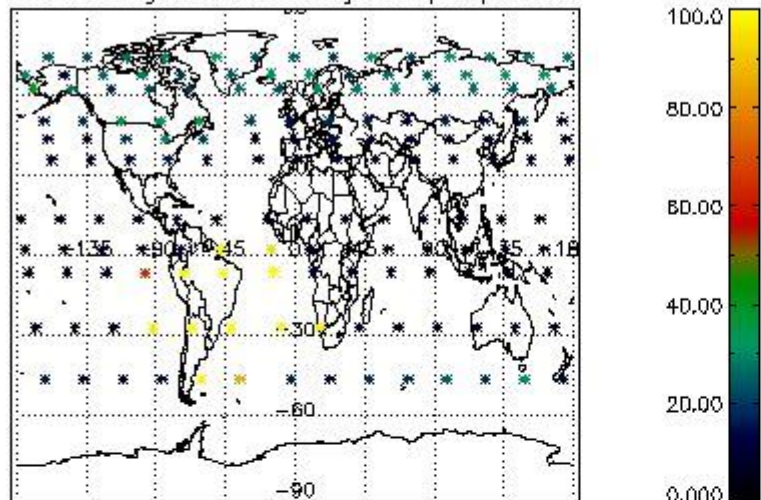
4.1.2 Plot level 1 quality information per product (time dependant): ENVI-SAT DESCENDING passes



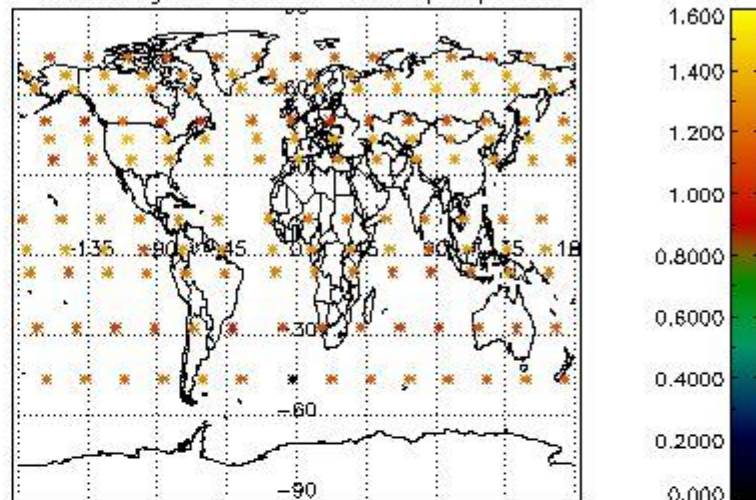
4.2 Plot quality information per product coming from level 1b processing (world map)

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

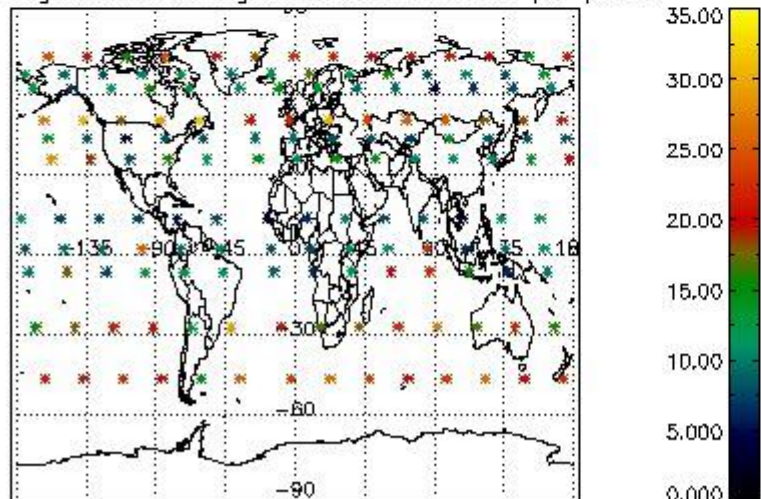
Percentage of cosmic ray hits per profile



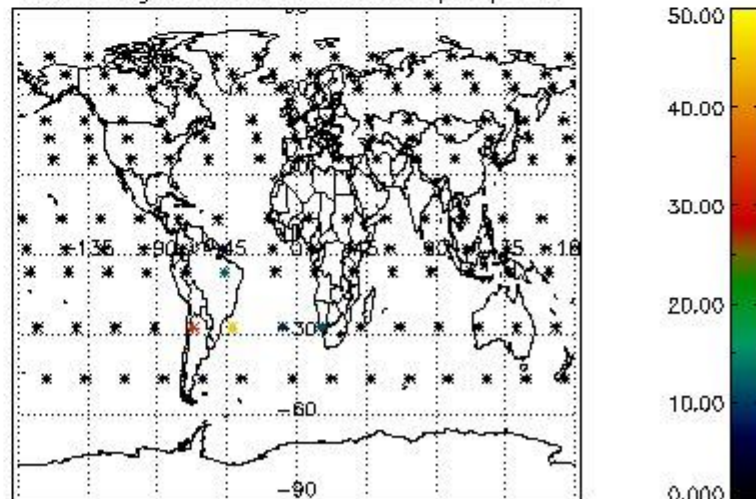
Percentage of datation errors per profile



Percentage of star falling outside central band per profile



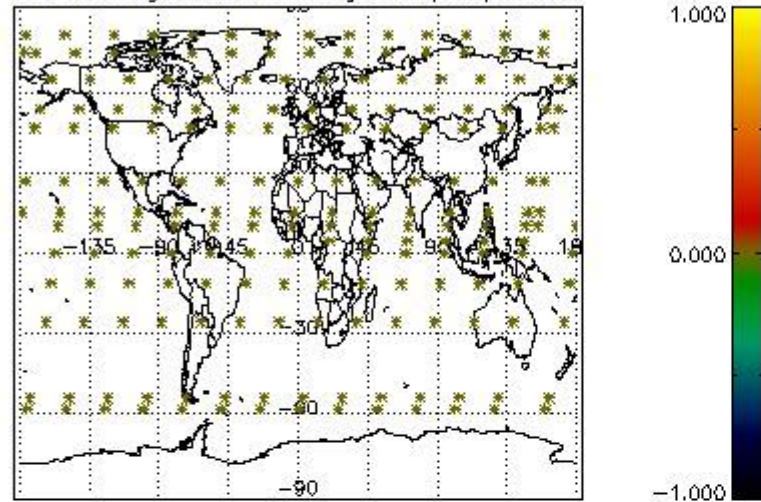
Percentage of saturation errors per profile



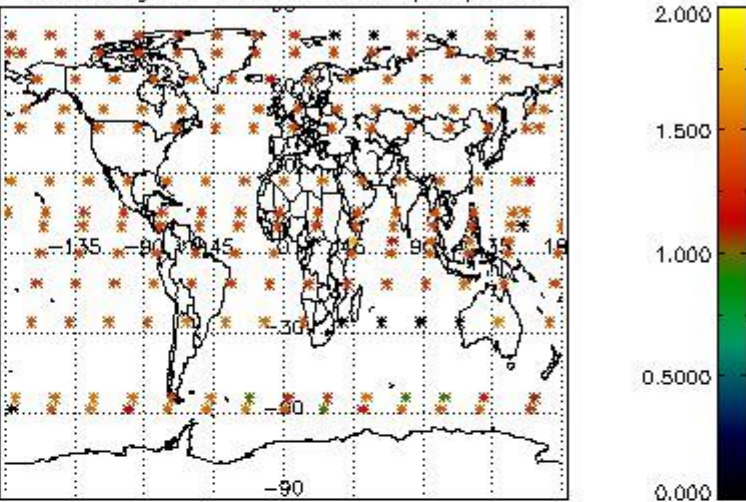
4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes



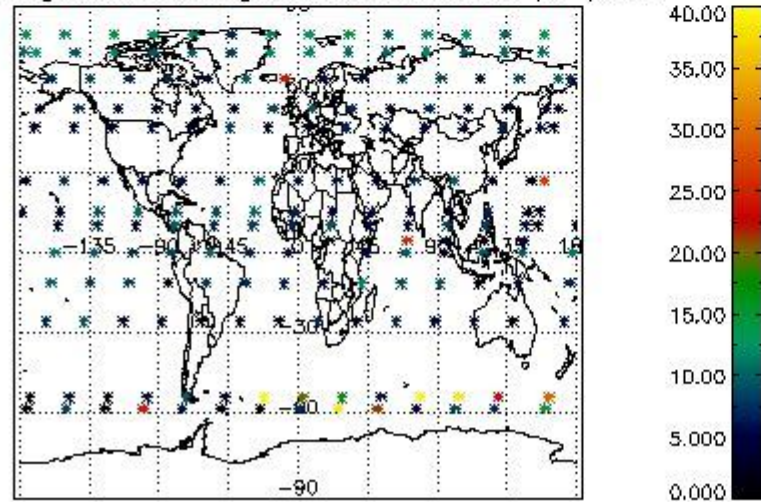
Percentage of cosmic ray hits per profile



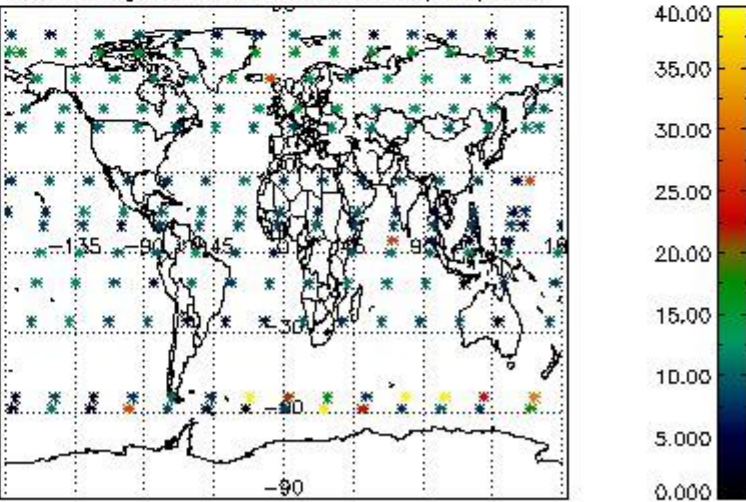
Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



## 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

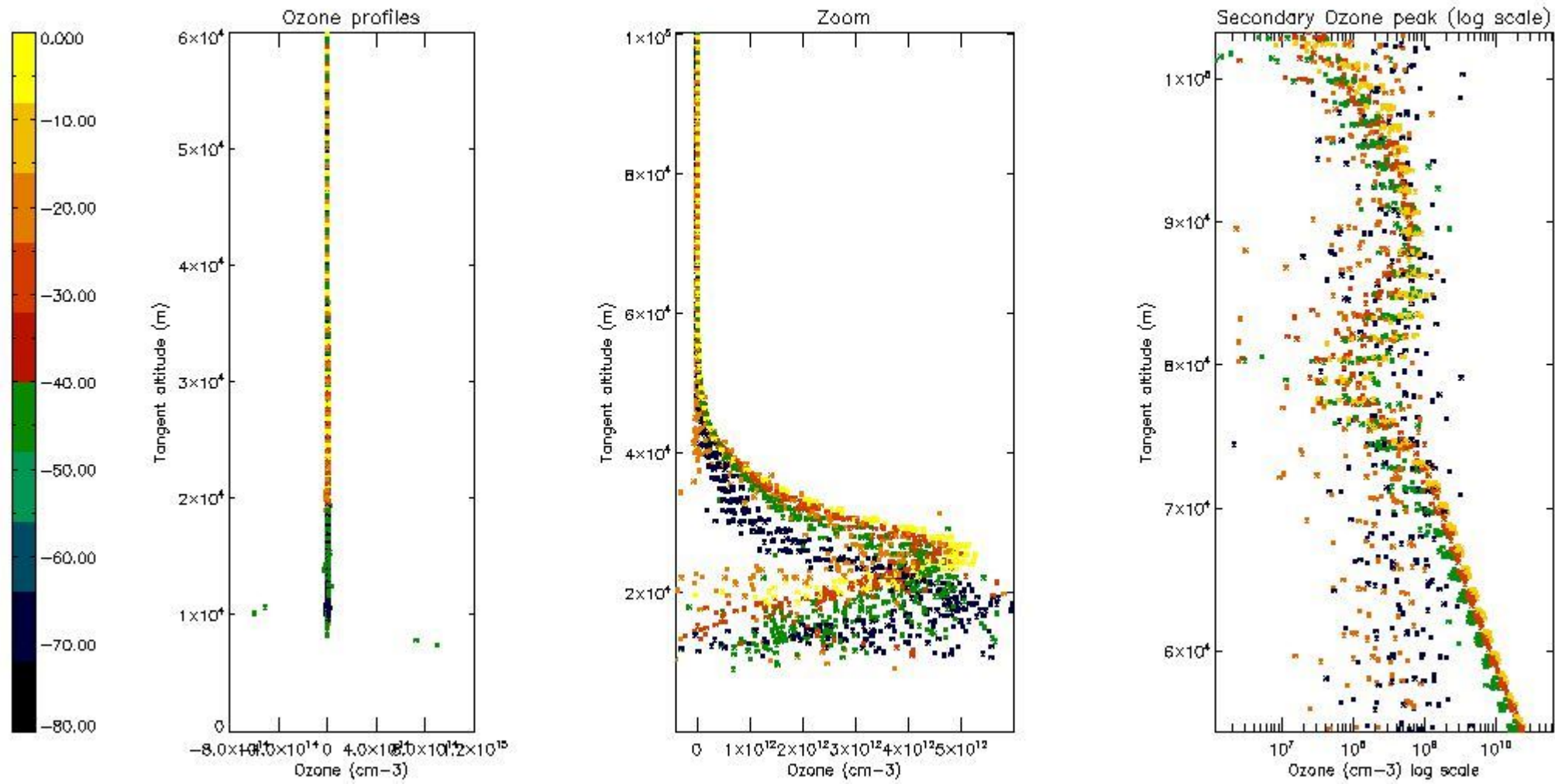
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	22
STD < 20	12

STD < 10	9
STD < 5	6

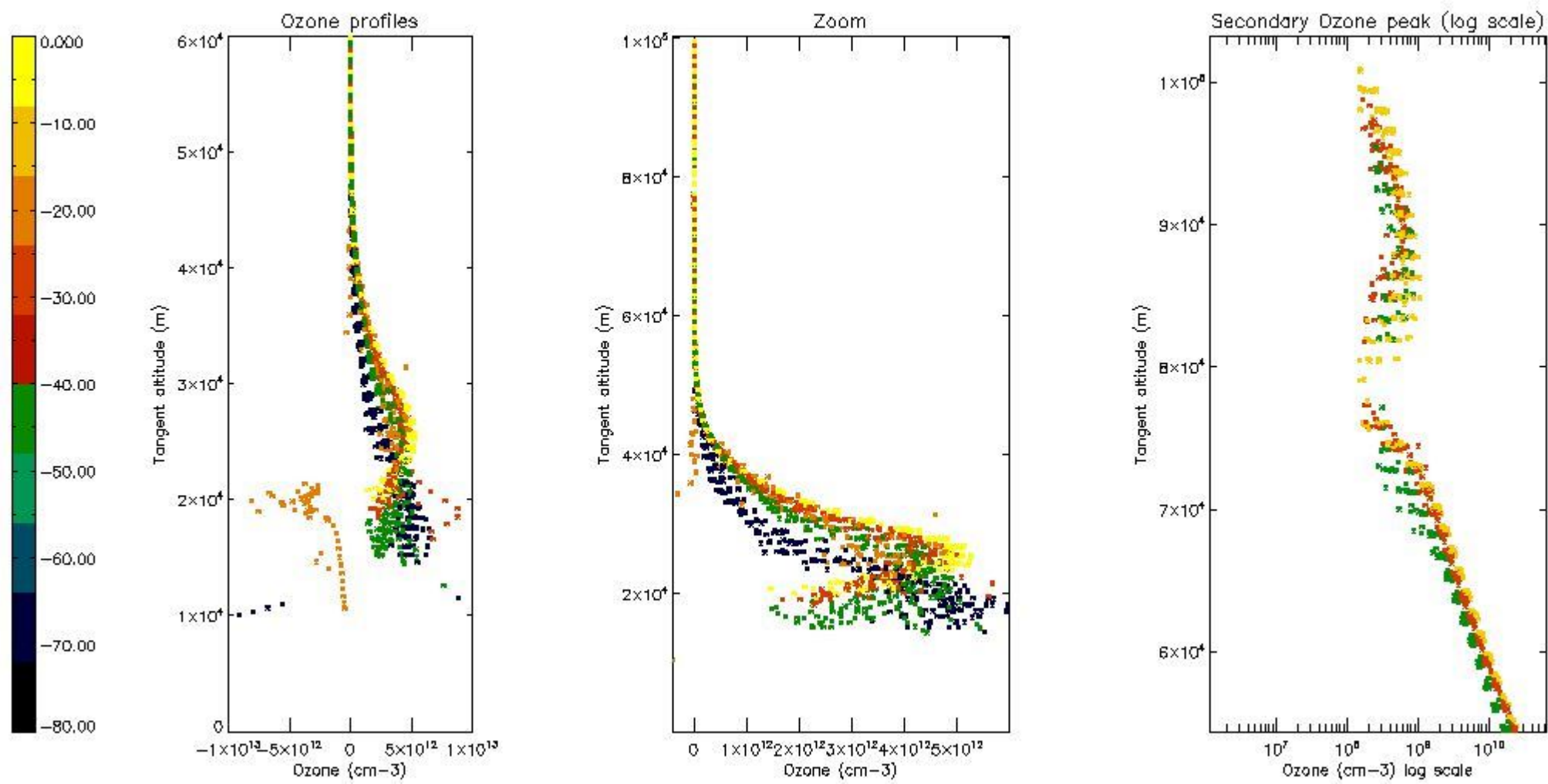
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



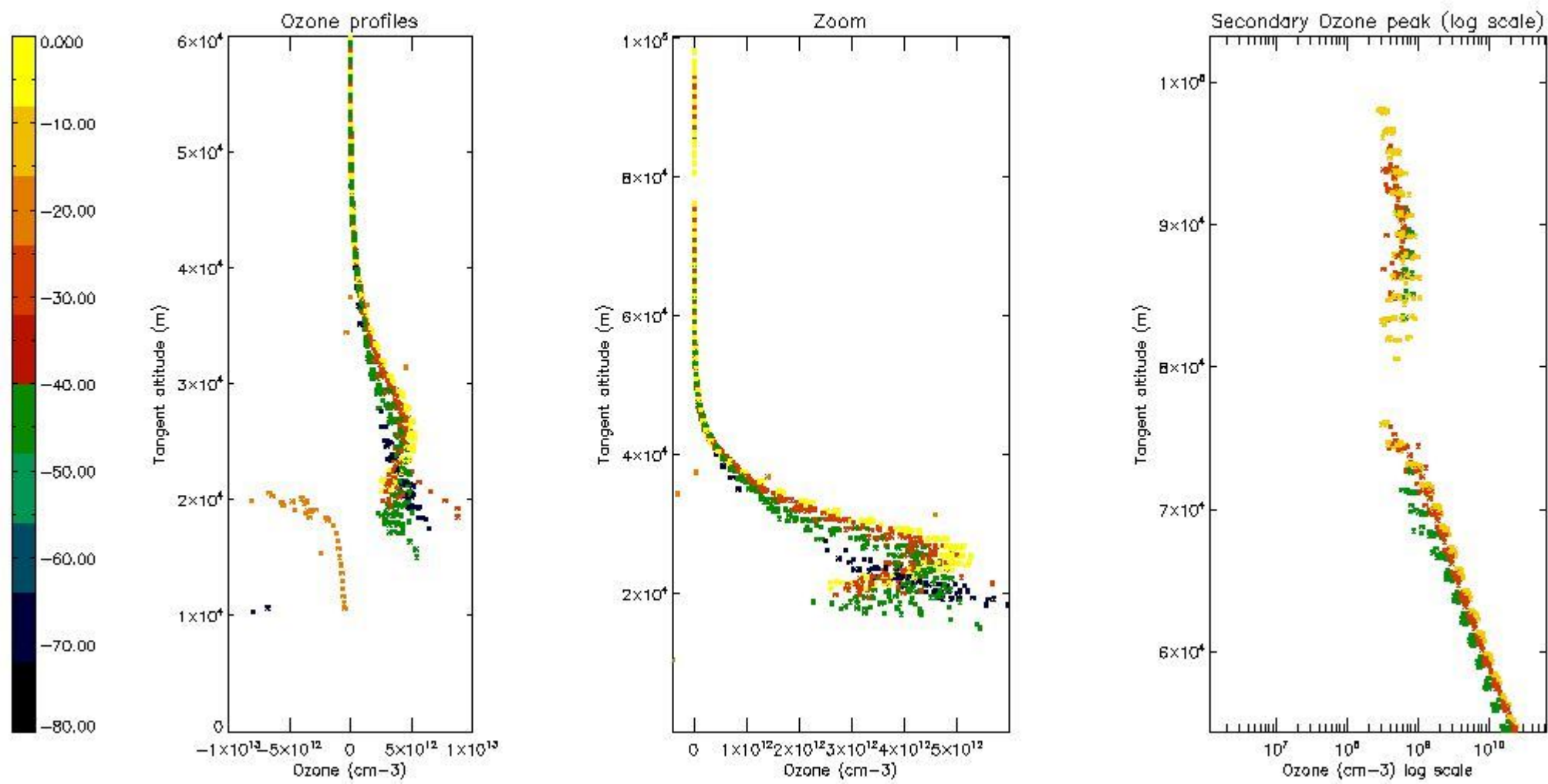
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



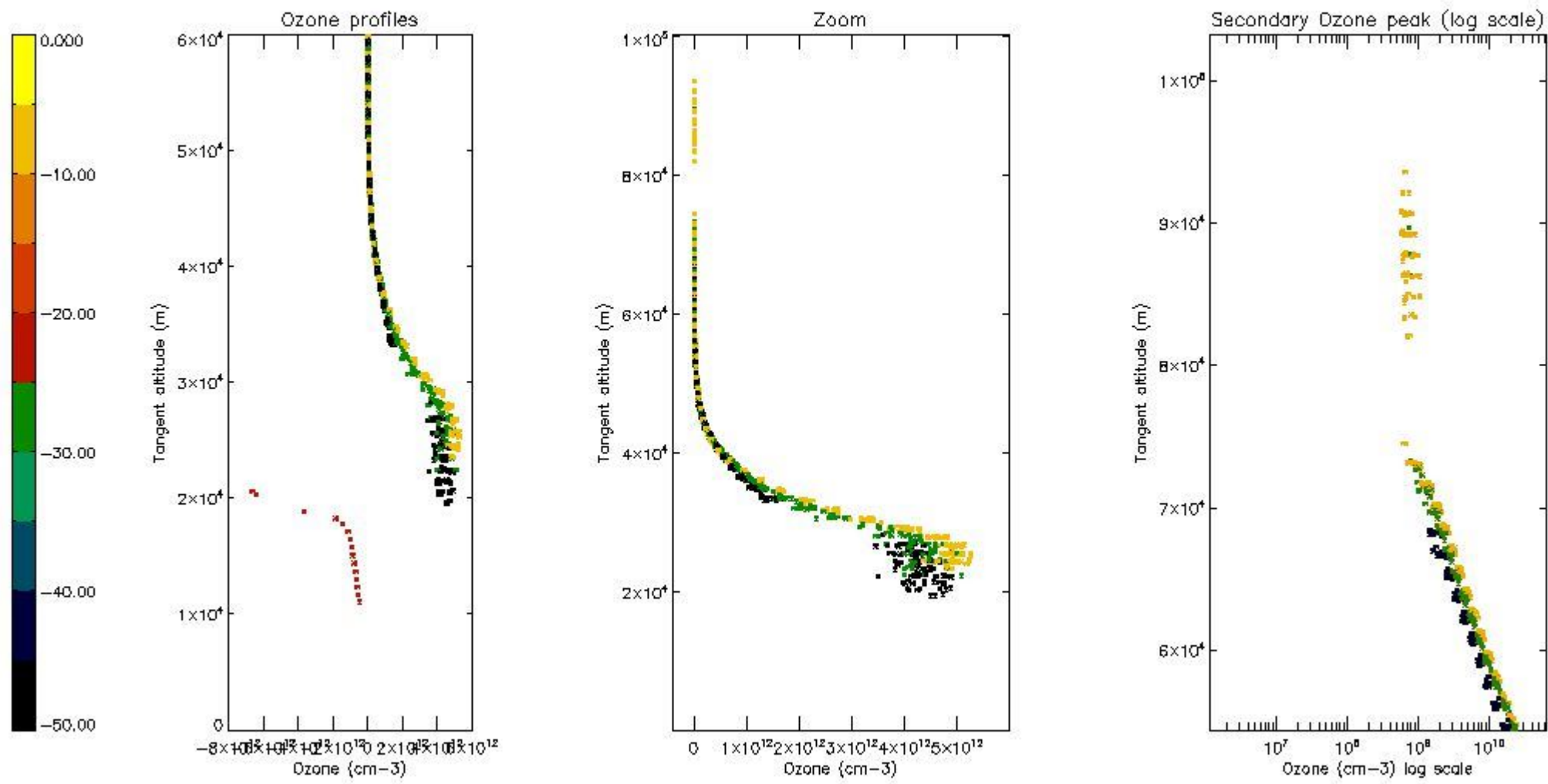
*5.4 Plot ozone profiles where STD < 10% (dark without errors)*

The colorbar represents the latitude.



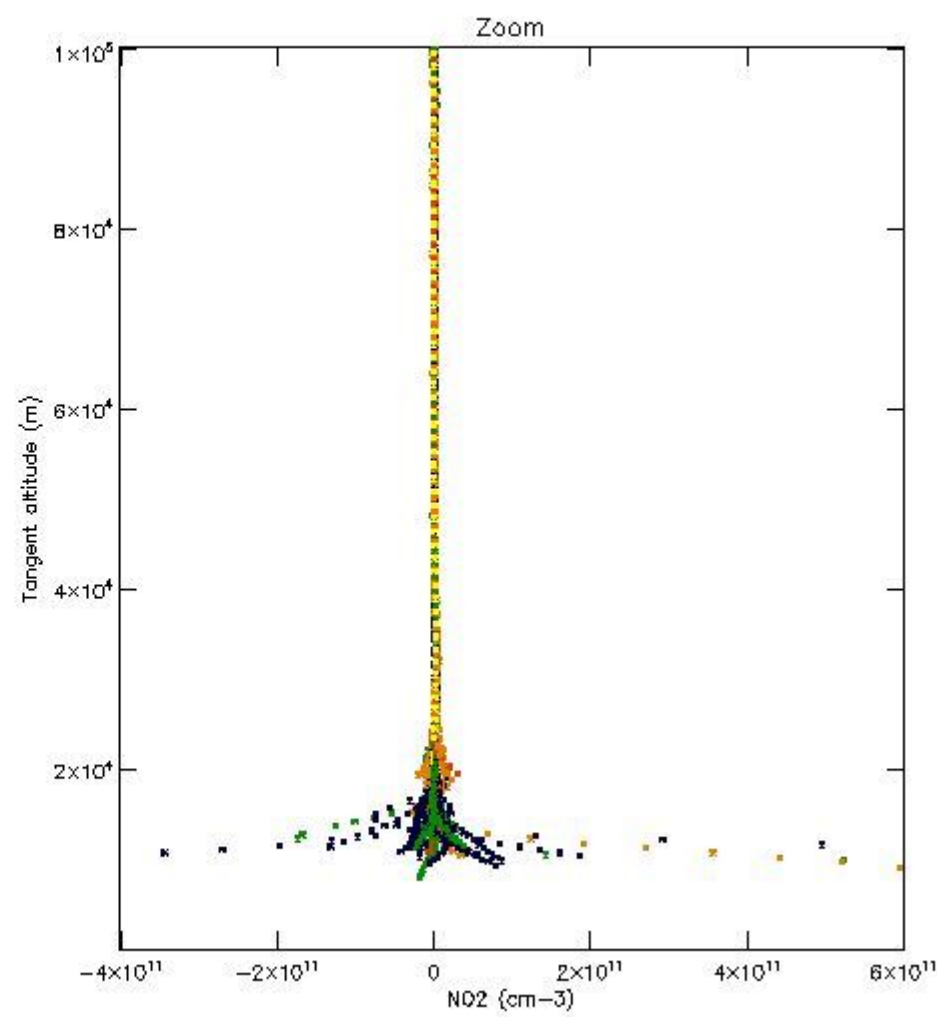
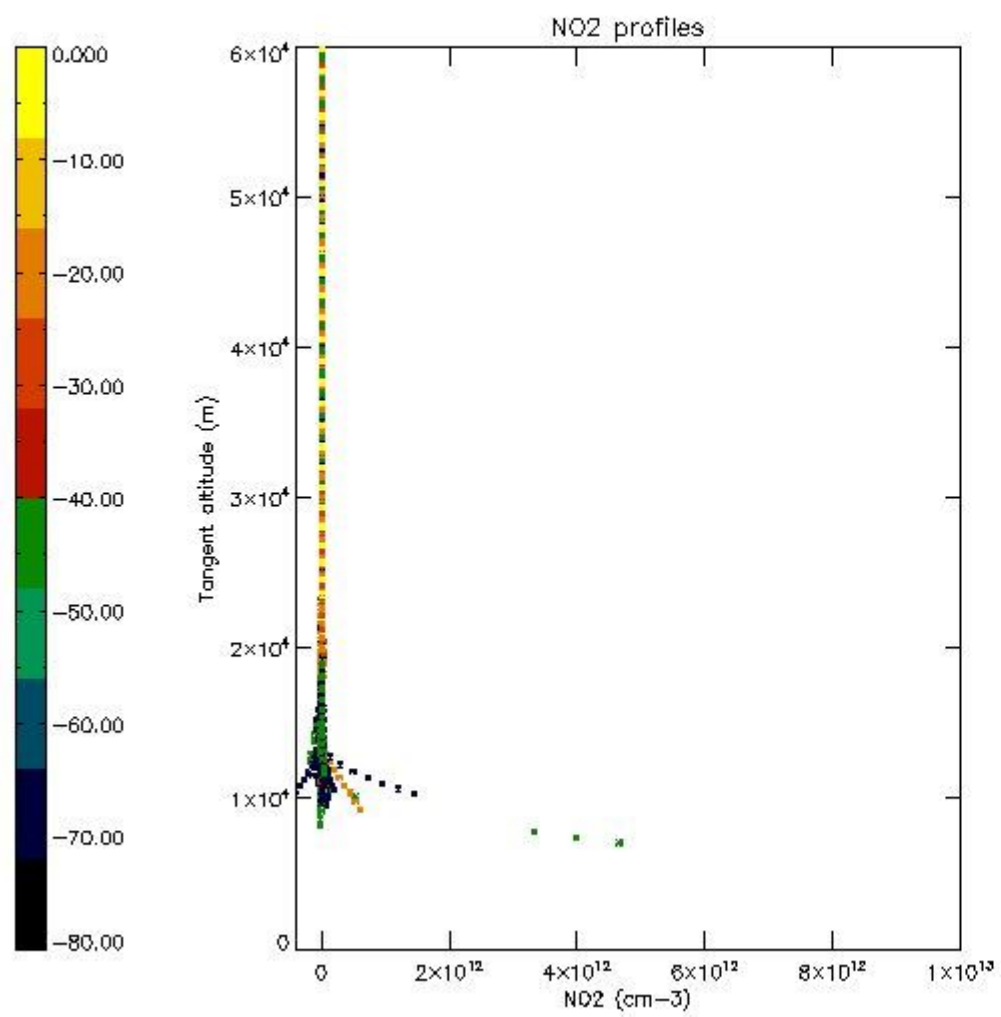
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



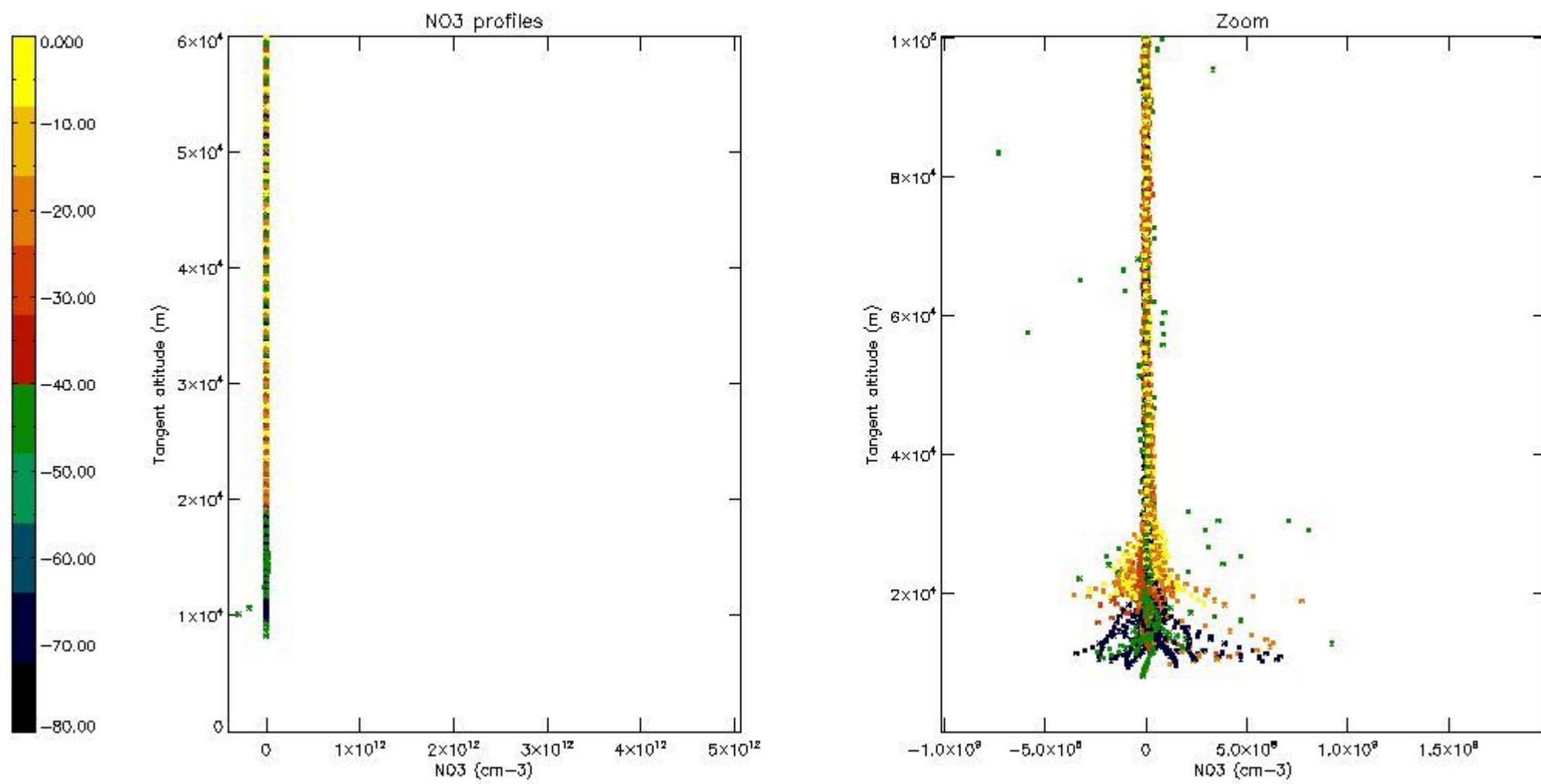
5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)

The colorbar represents the latitude.



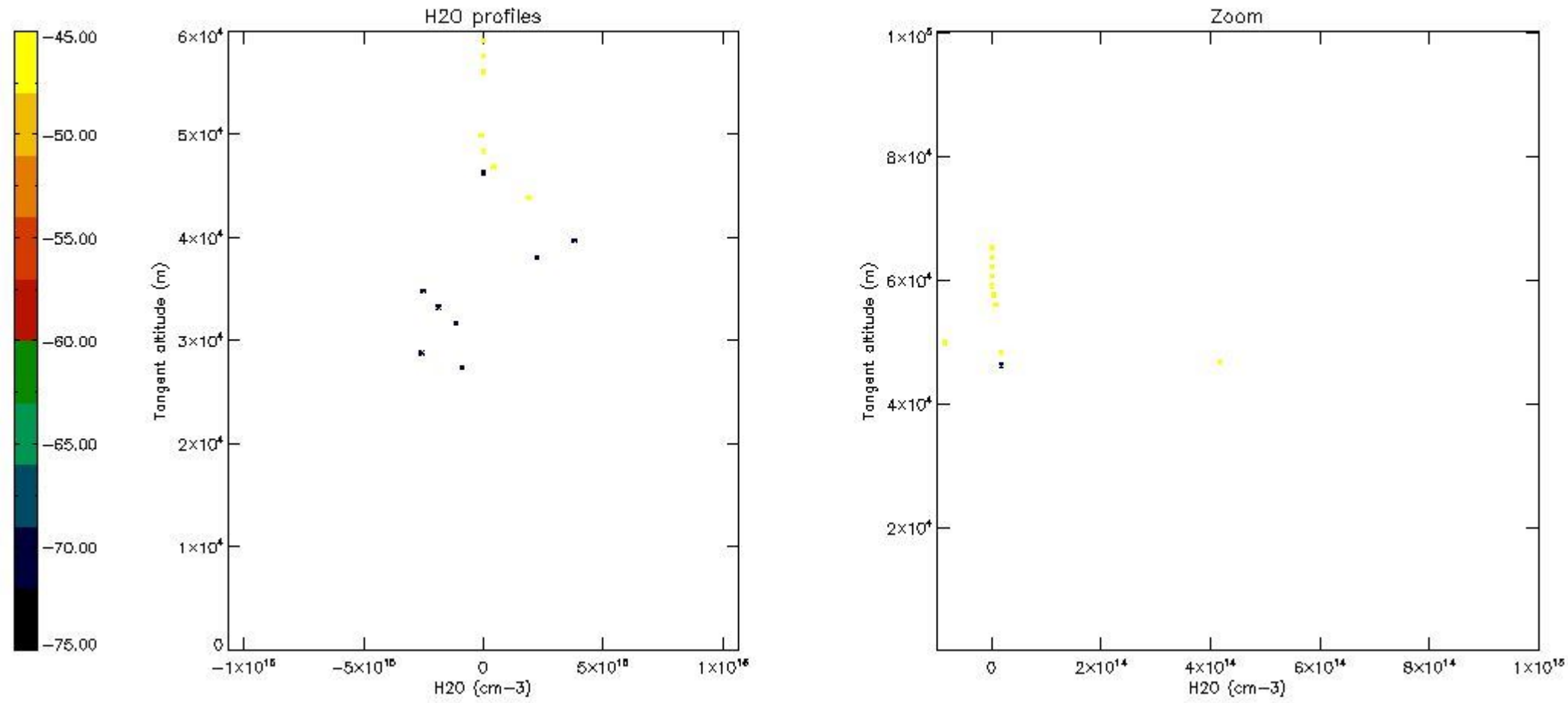
*5.7 Plot NO3 profiles for all STD (dark without errors)*

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.

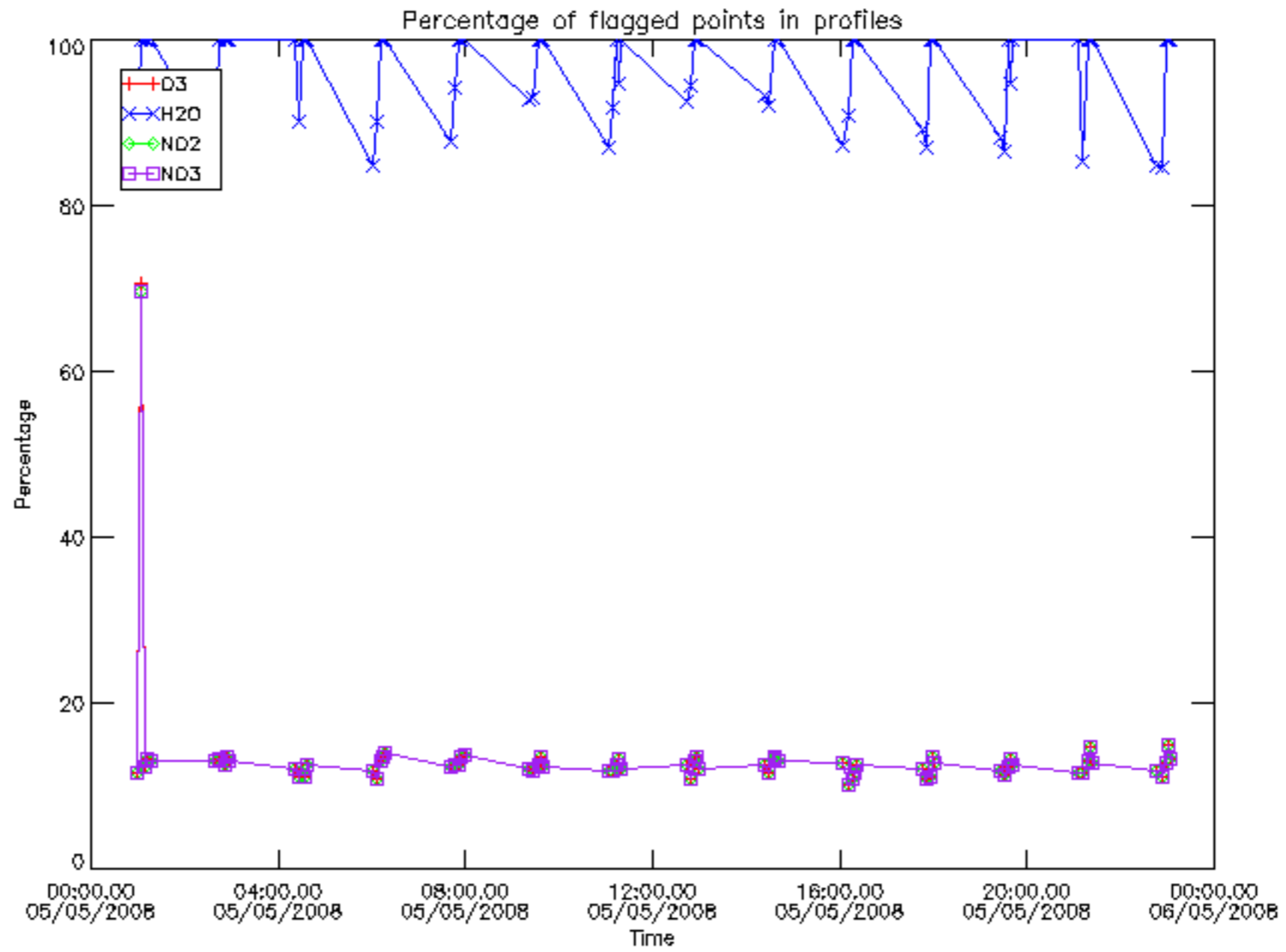


## 6. Auxiliary Data Files used for the production reported in section 2

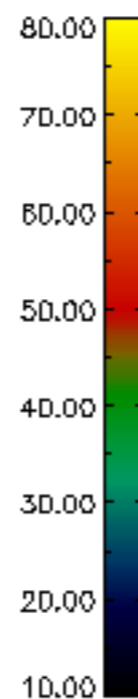
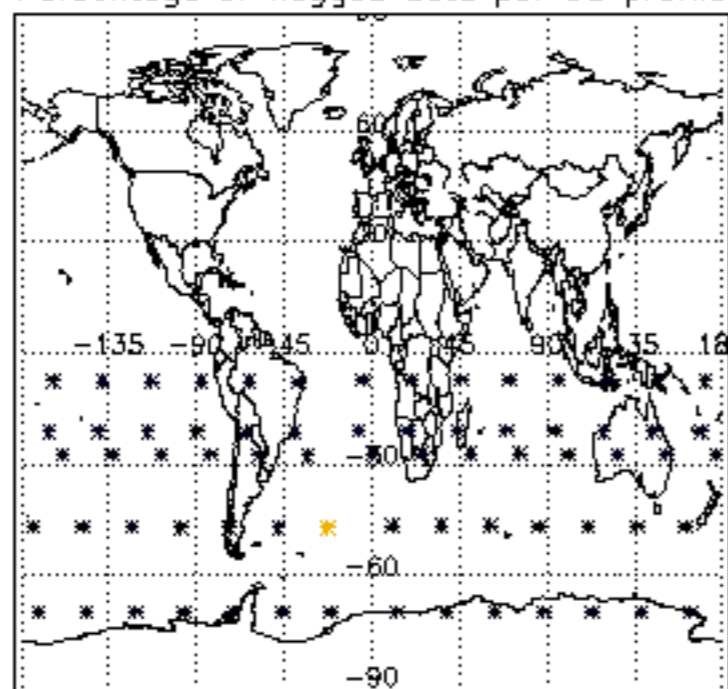
The number reported in the third column indicates since which file (see list in section 2) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	05-MAY-2008 00:00:08
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	05-MAY-2008 00:00:08
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	05-MAY-2008 00:00:08

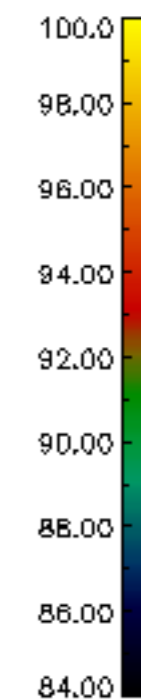
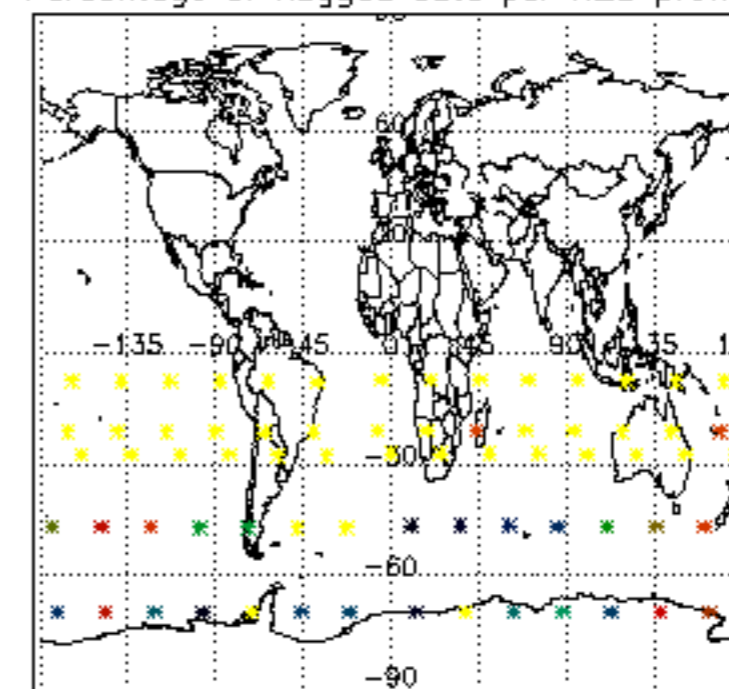




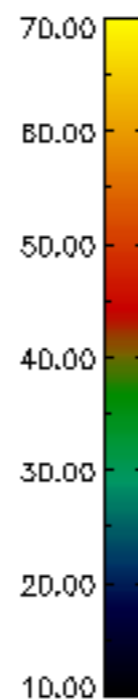
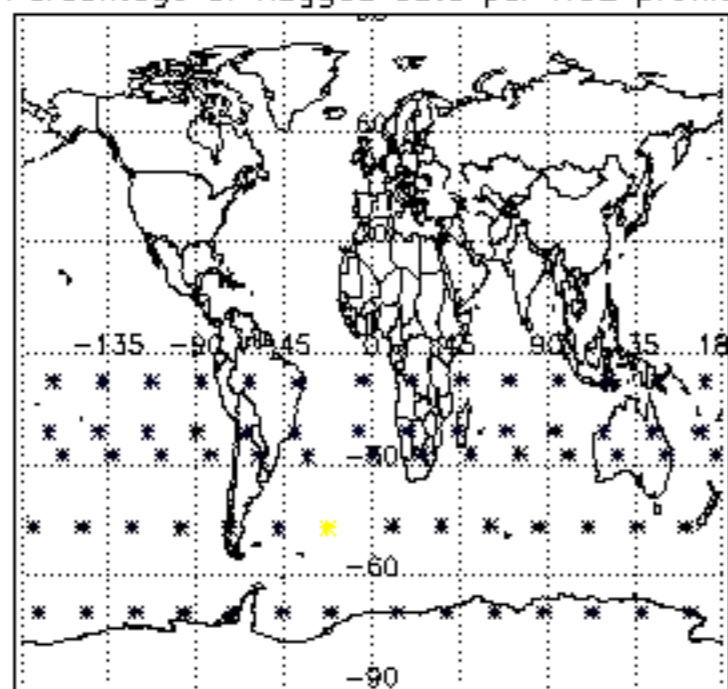
Percentage of flagged data per D3 profile



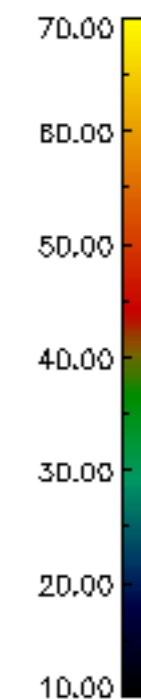
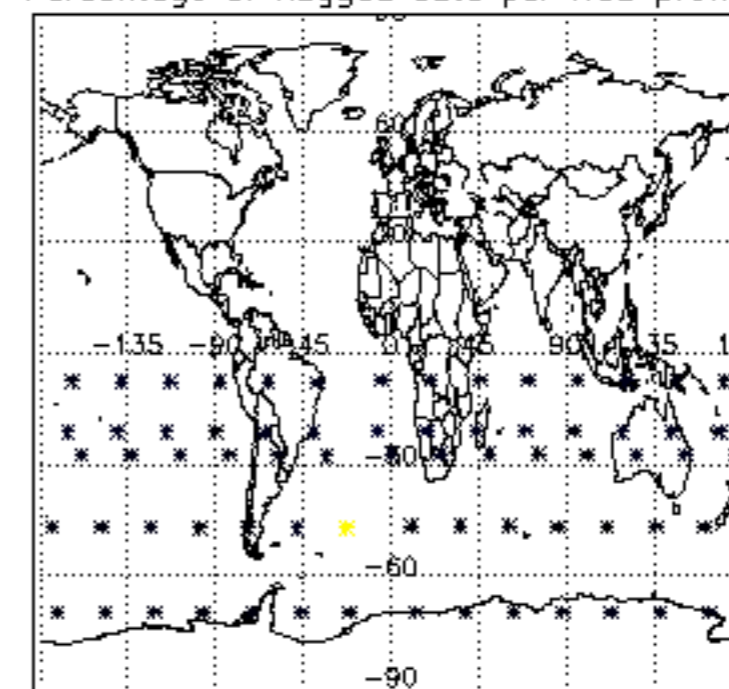
Percentage of flagged data per H2O profile

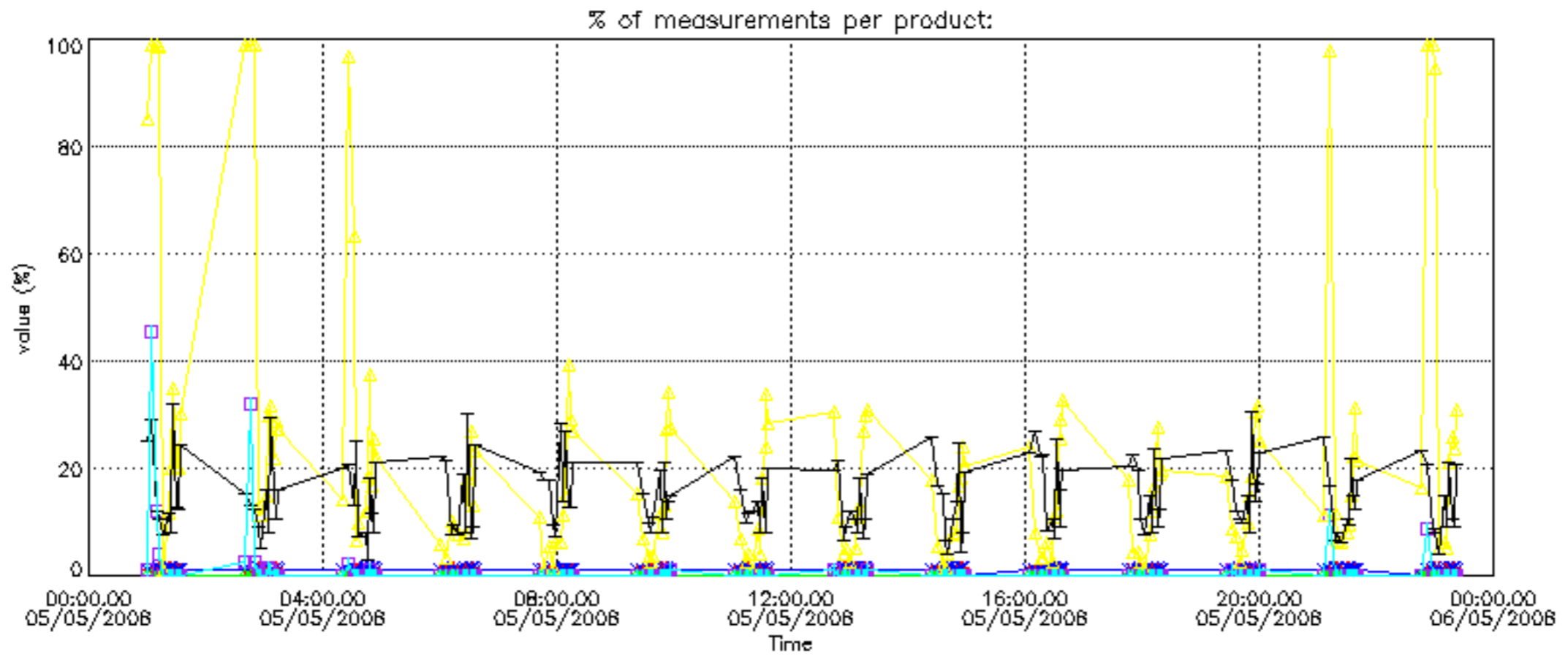


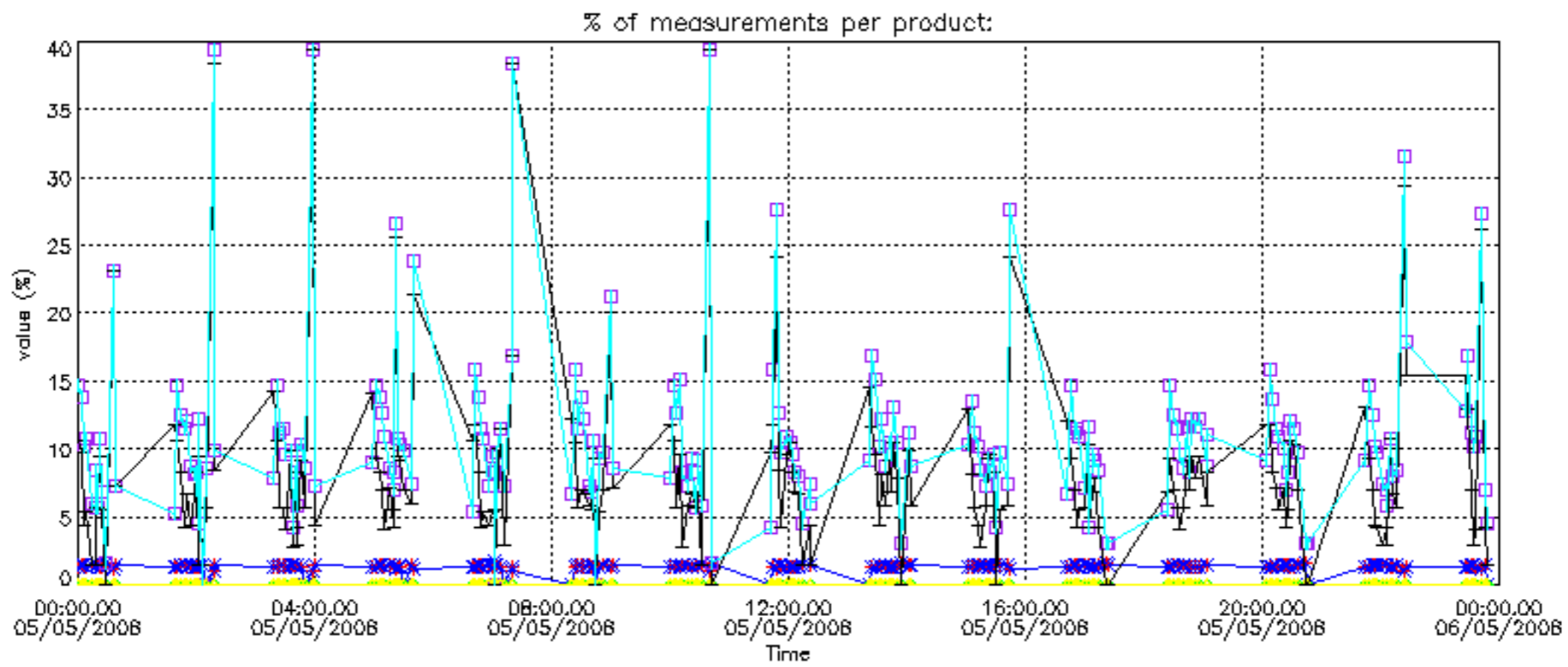
Percentage of flagged data per NO2 profile



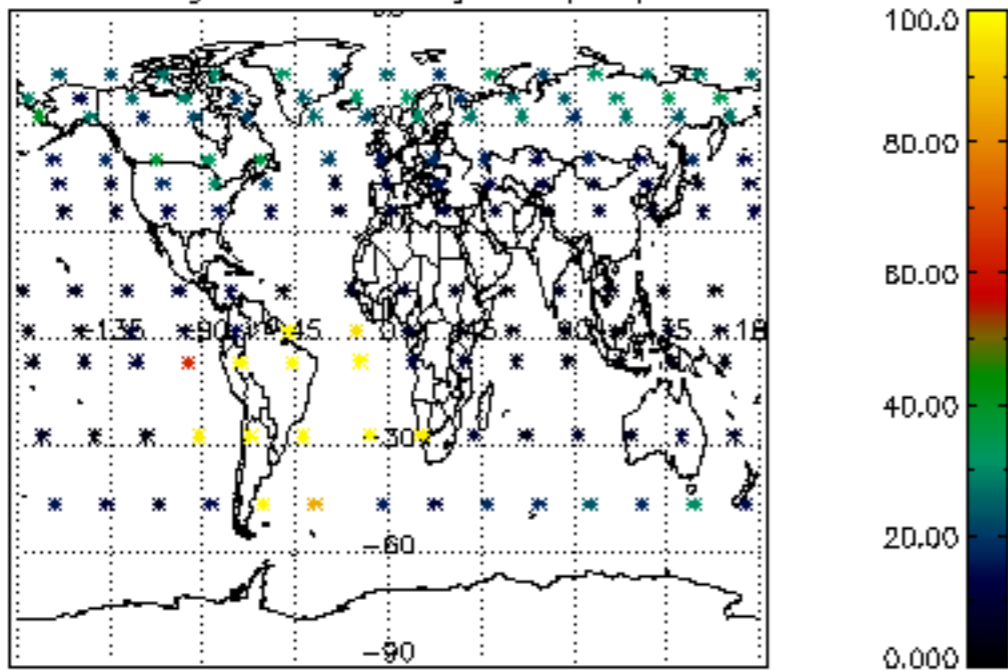
Percentage of flagged data per NO3 profile



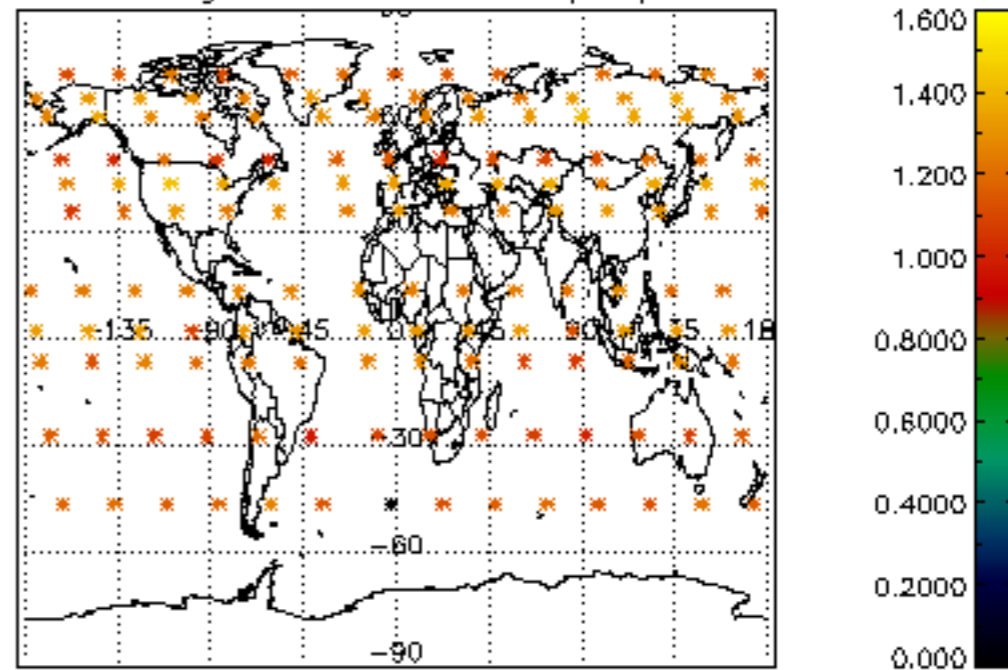




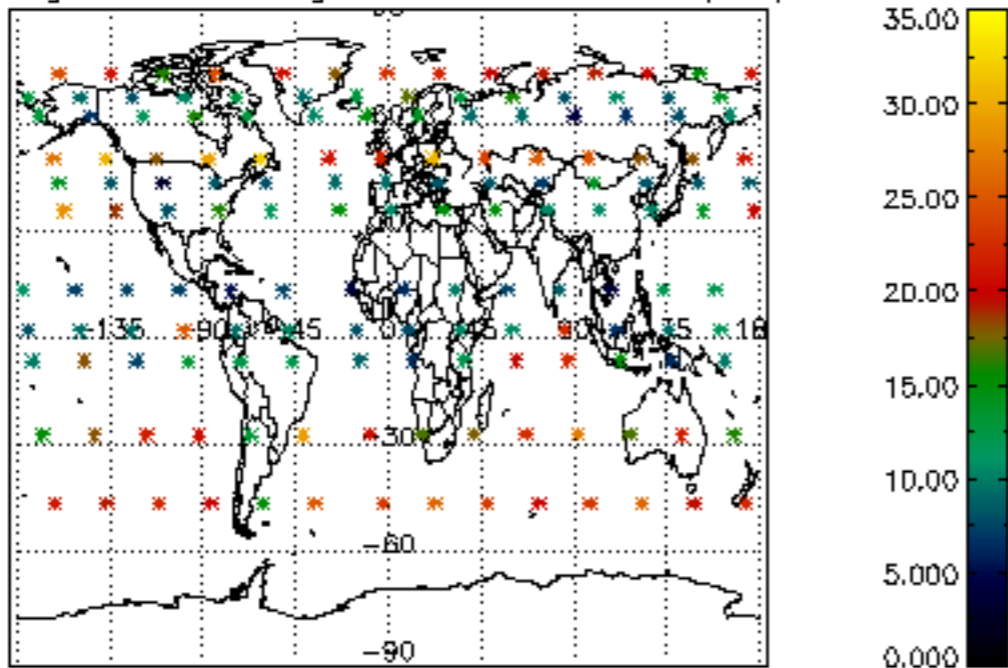
Percentage of cosmic ray hits per profile



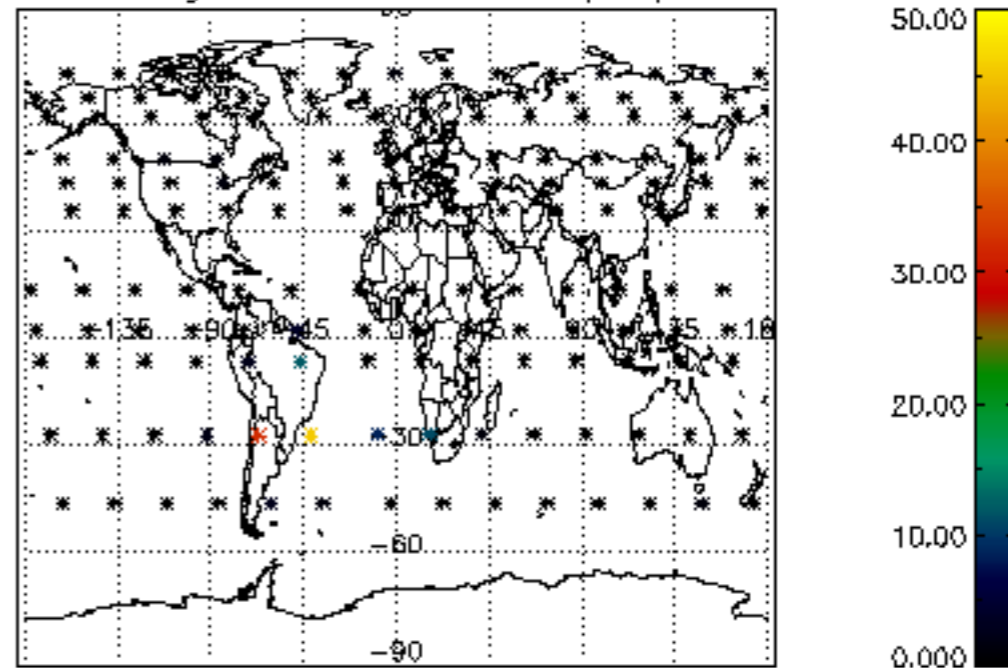
Percentage of datation errors per profile



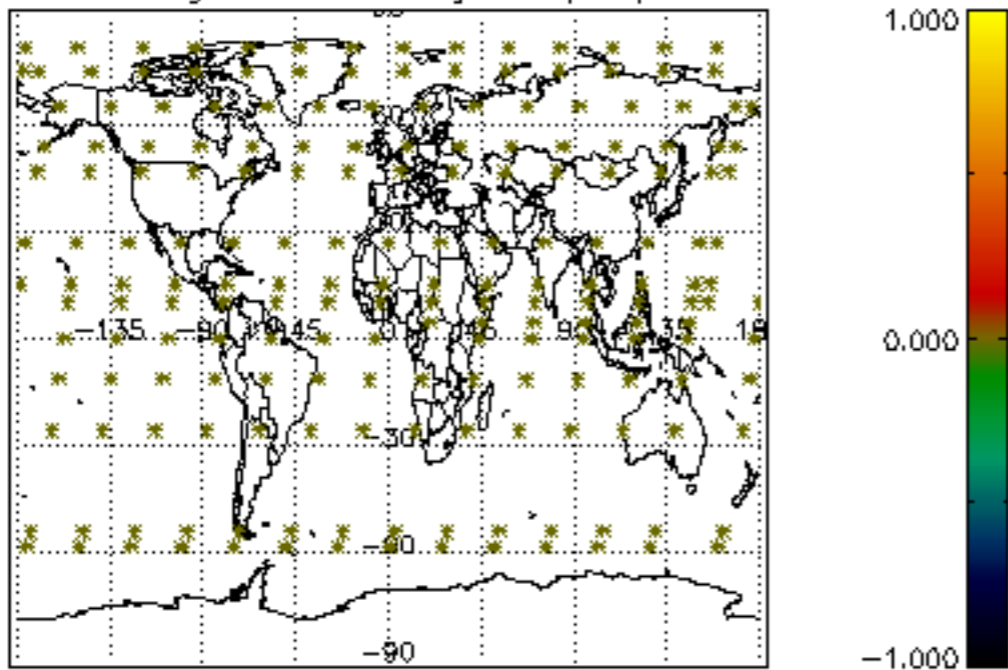
Percentage of star falling outside central band per profile



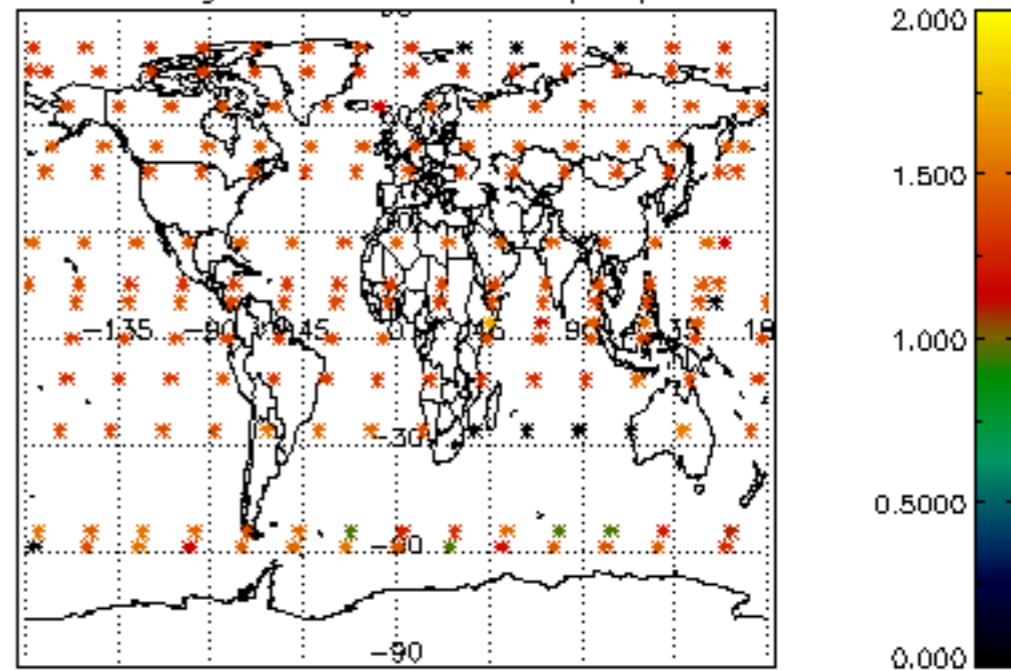
Percentage of saturation errors per profile



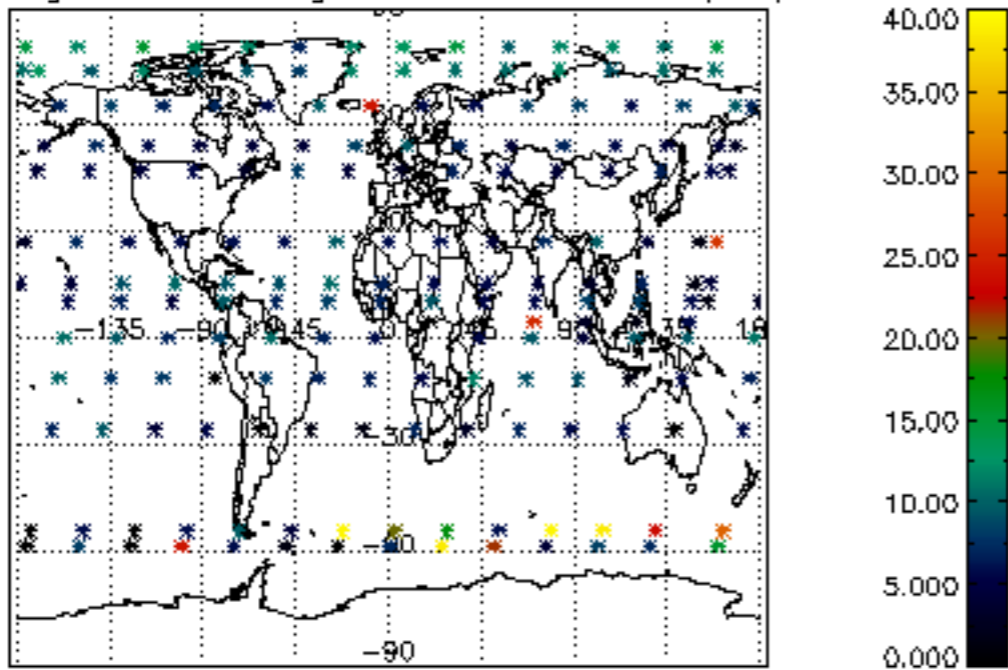
Percentage of cosmic ray hits per profile



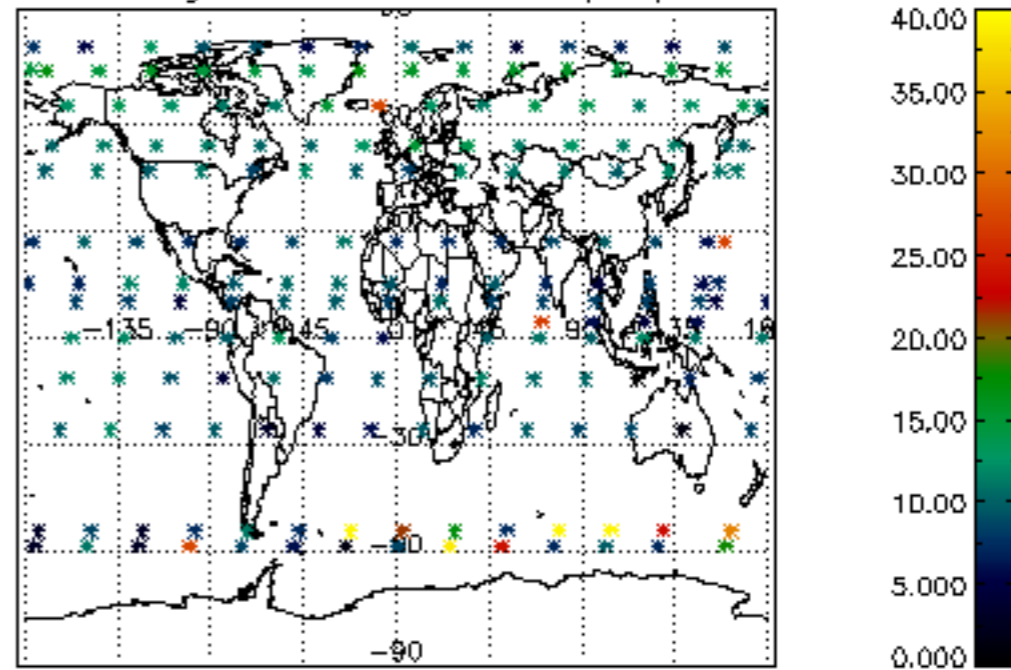
Percentage of datation errors per profile

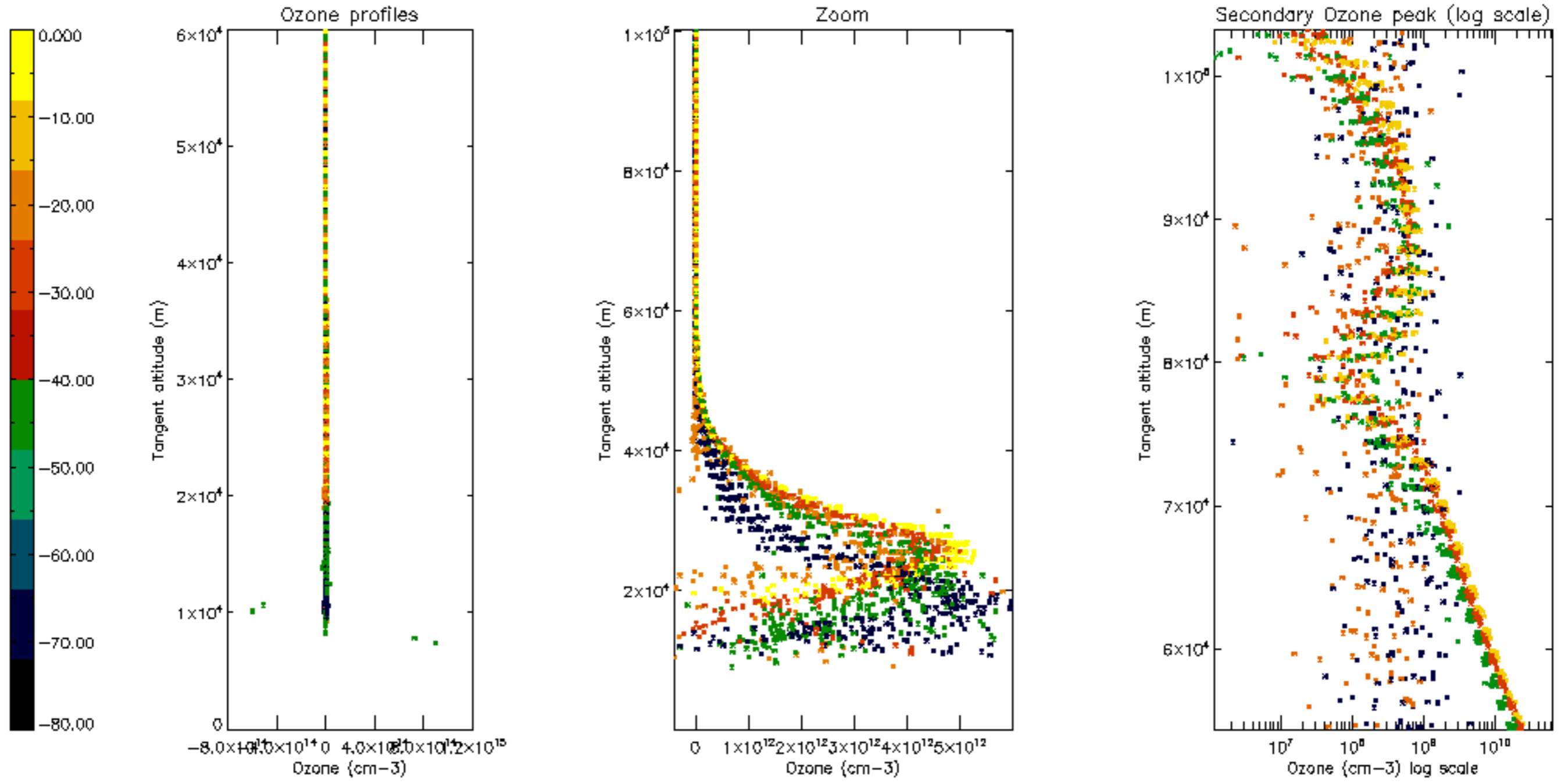


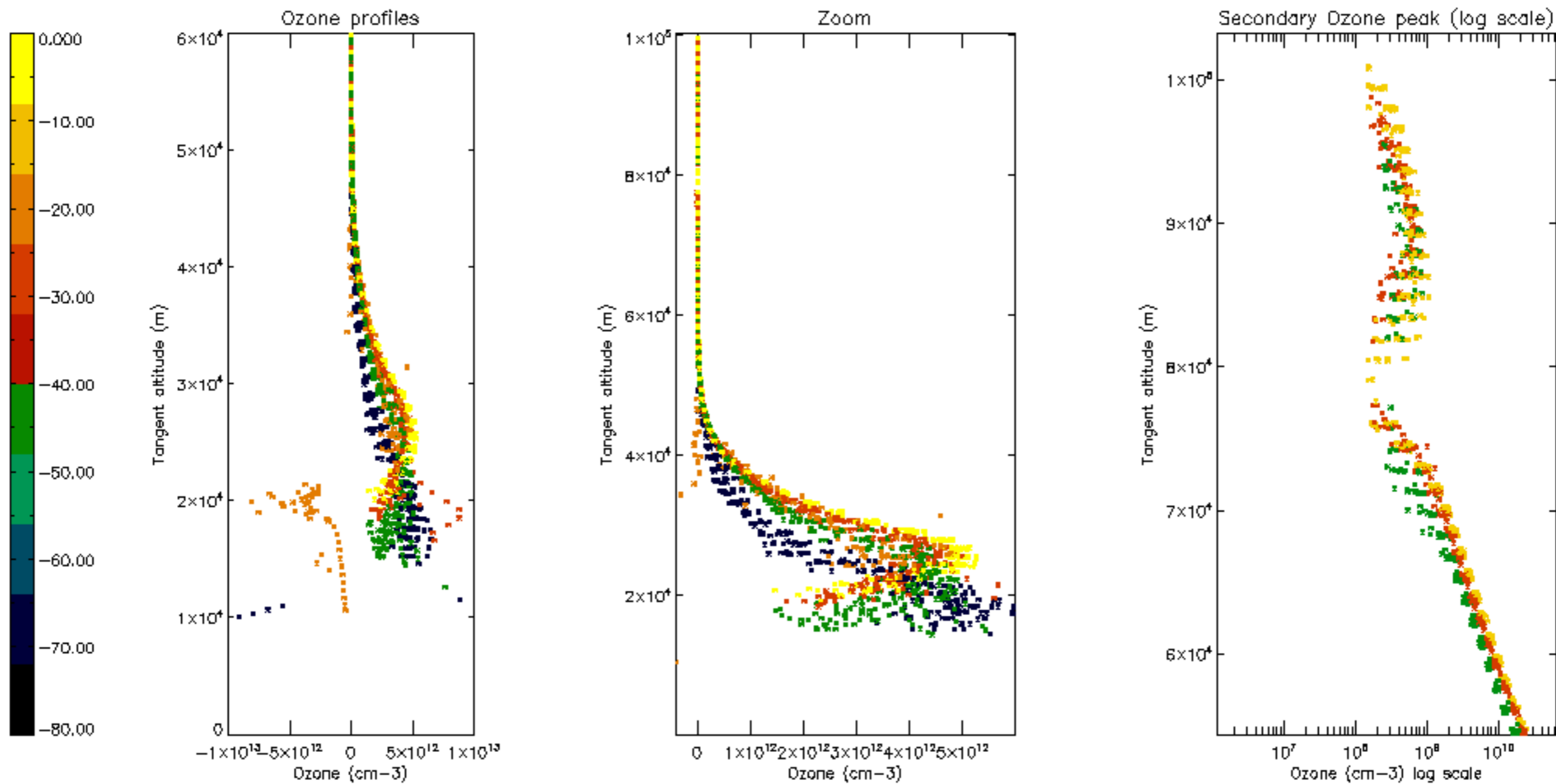
Percentage of star falling outside central band per profile



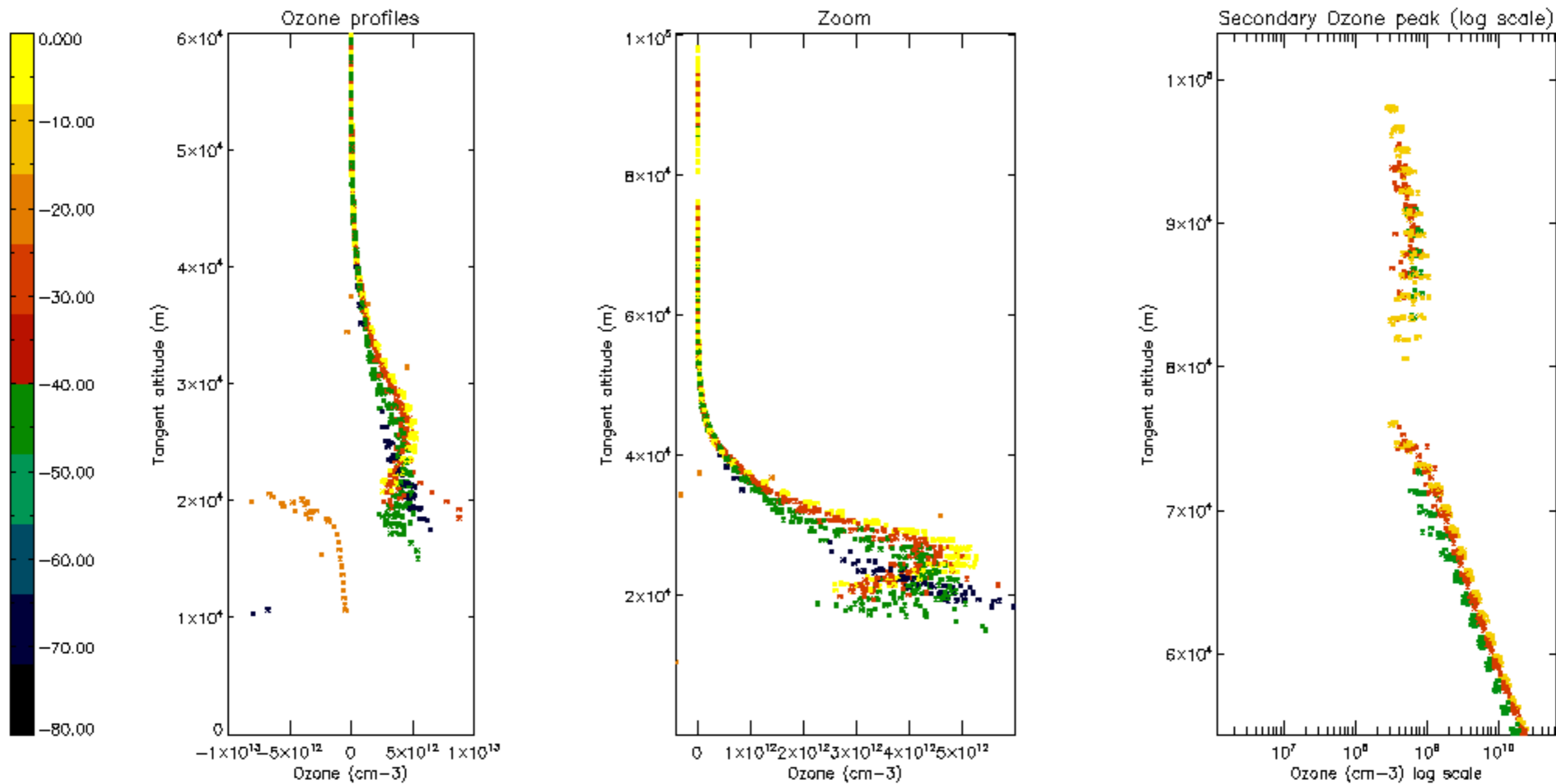
Percentage of saturation errors per profile

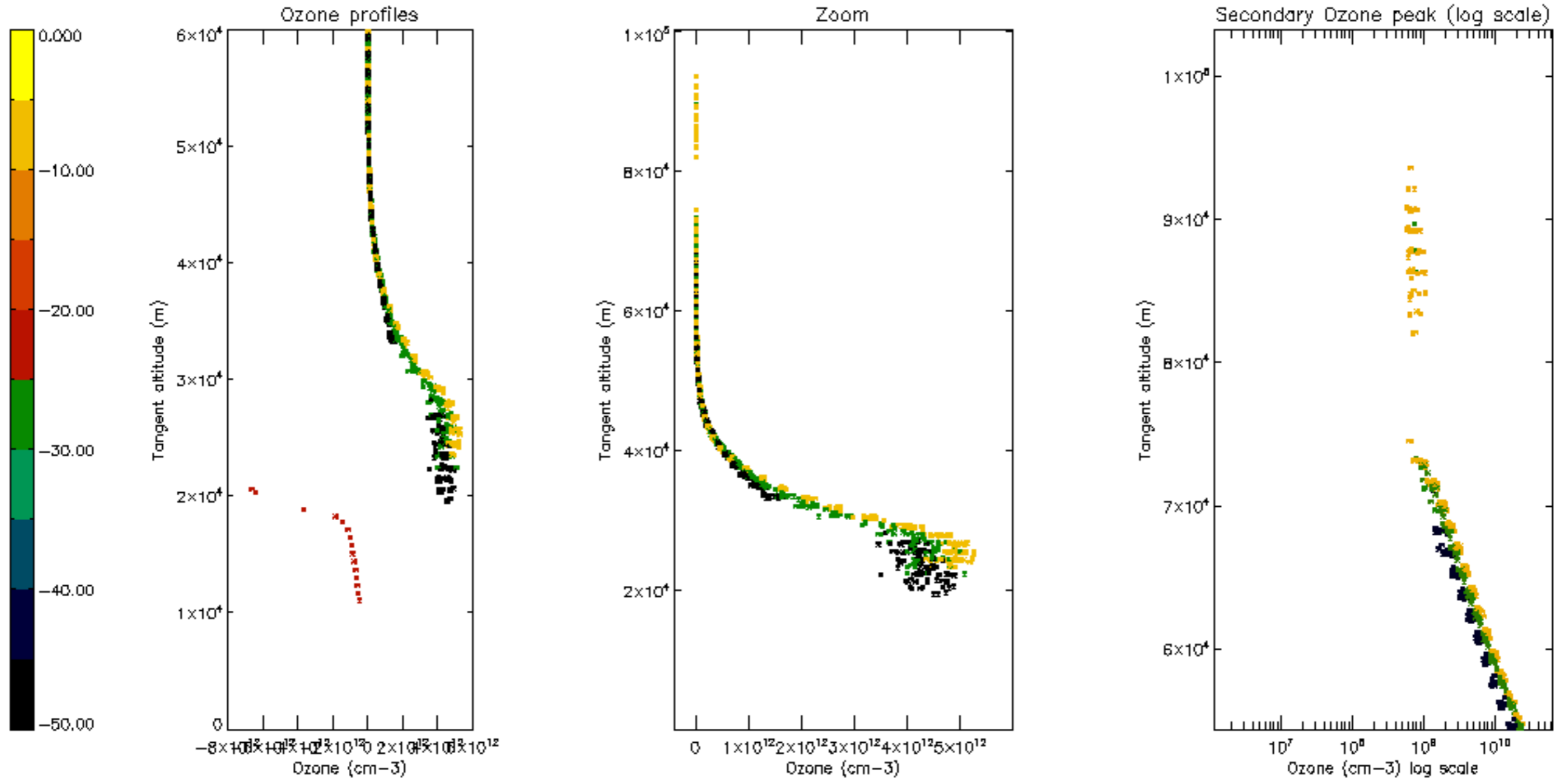


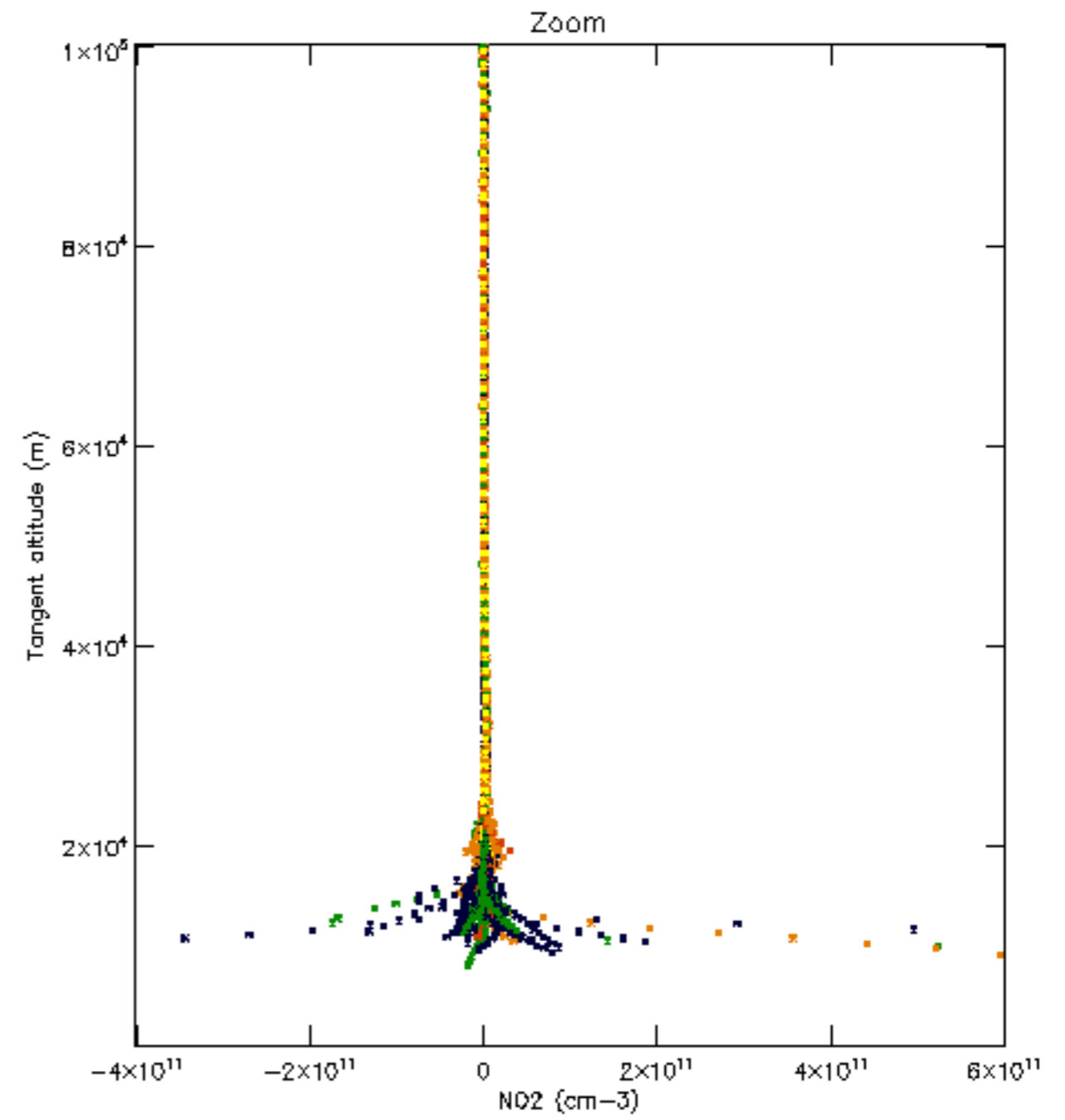
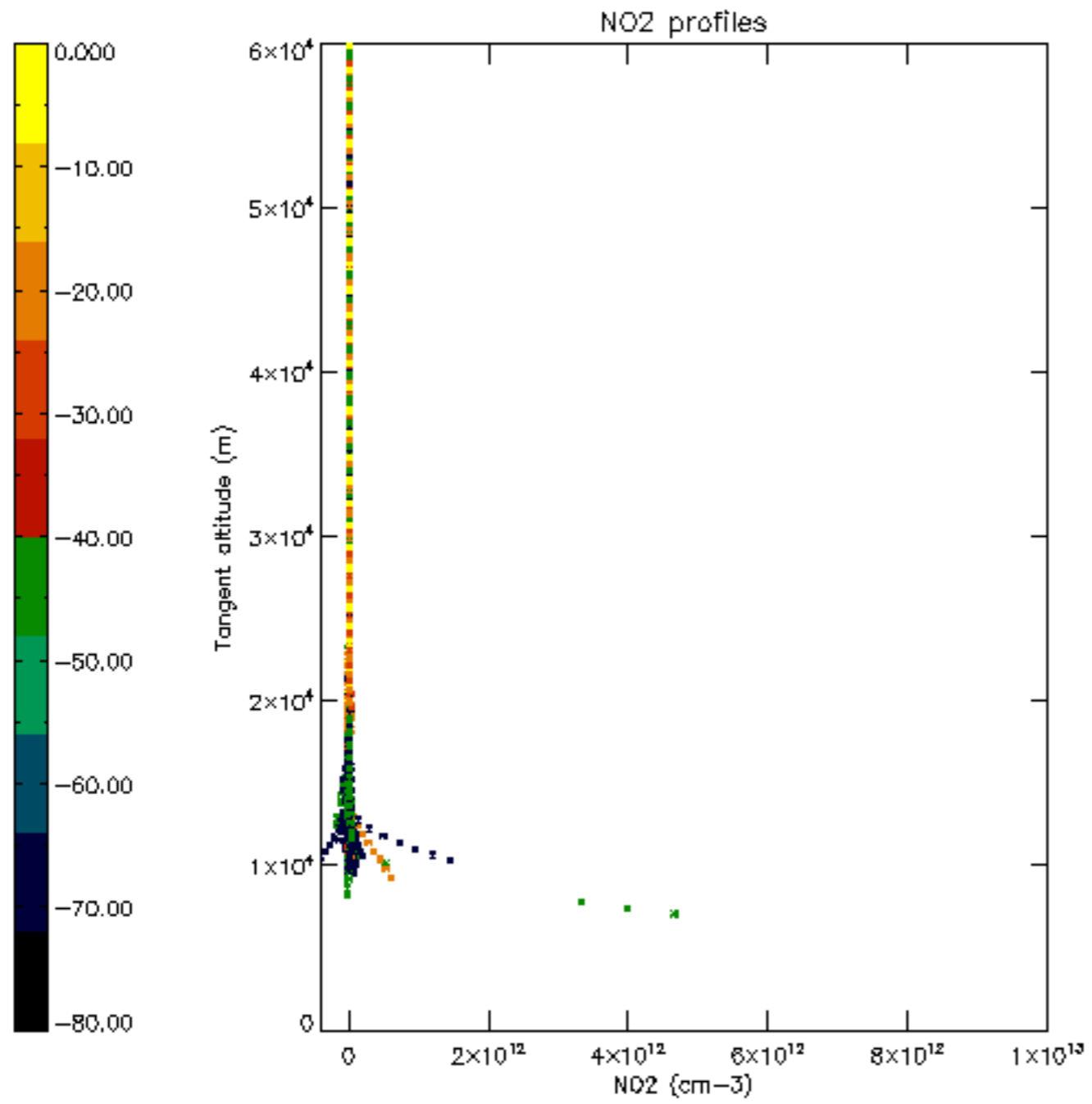


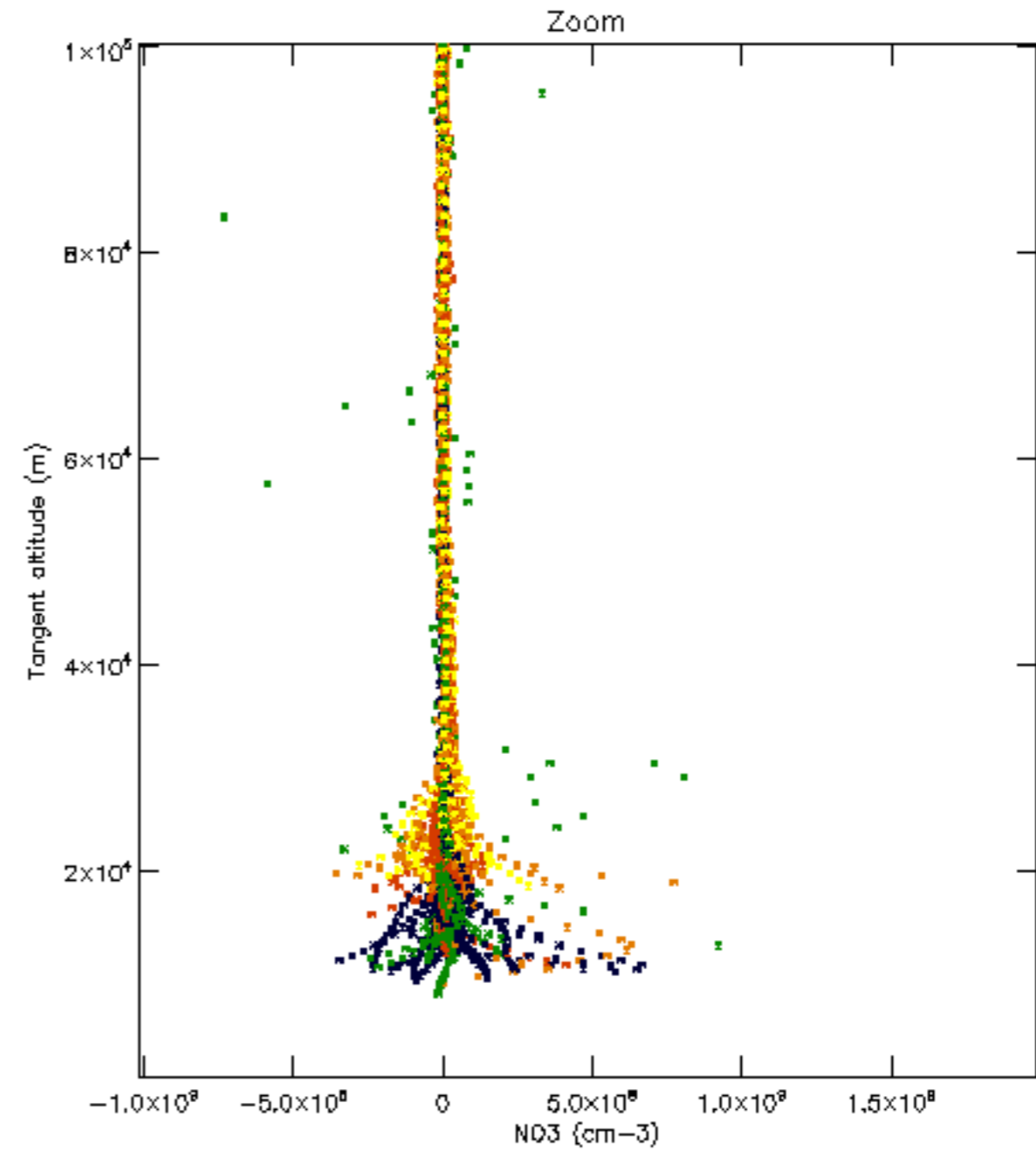
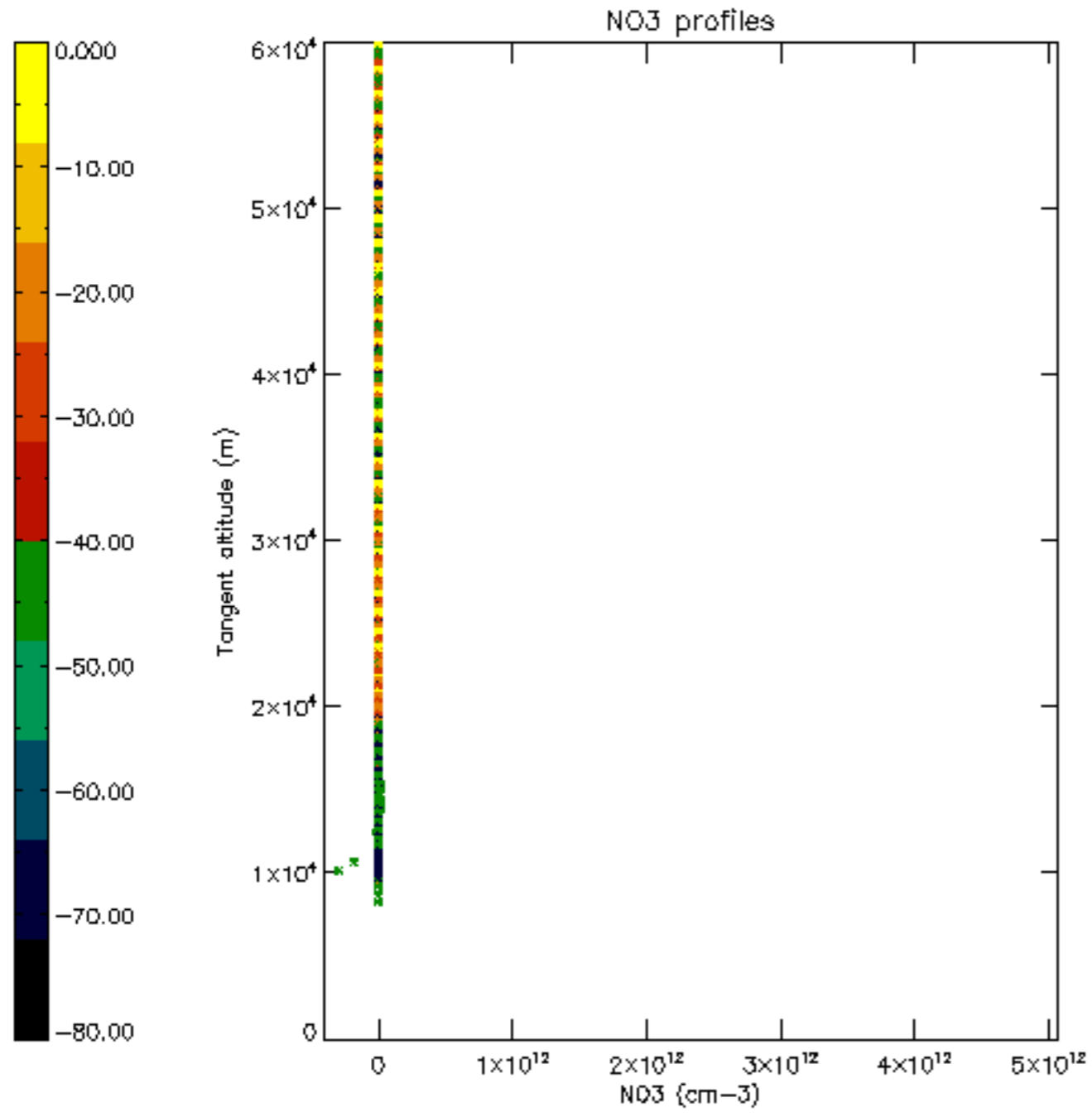


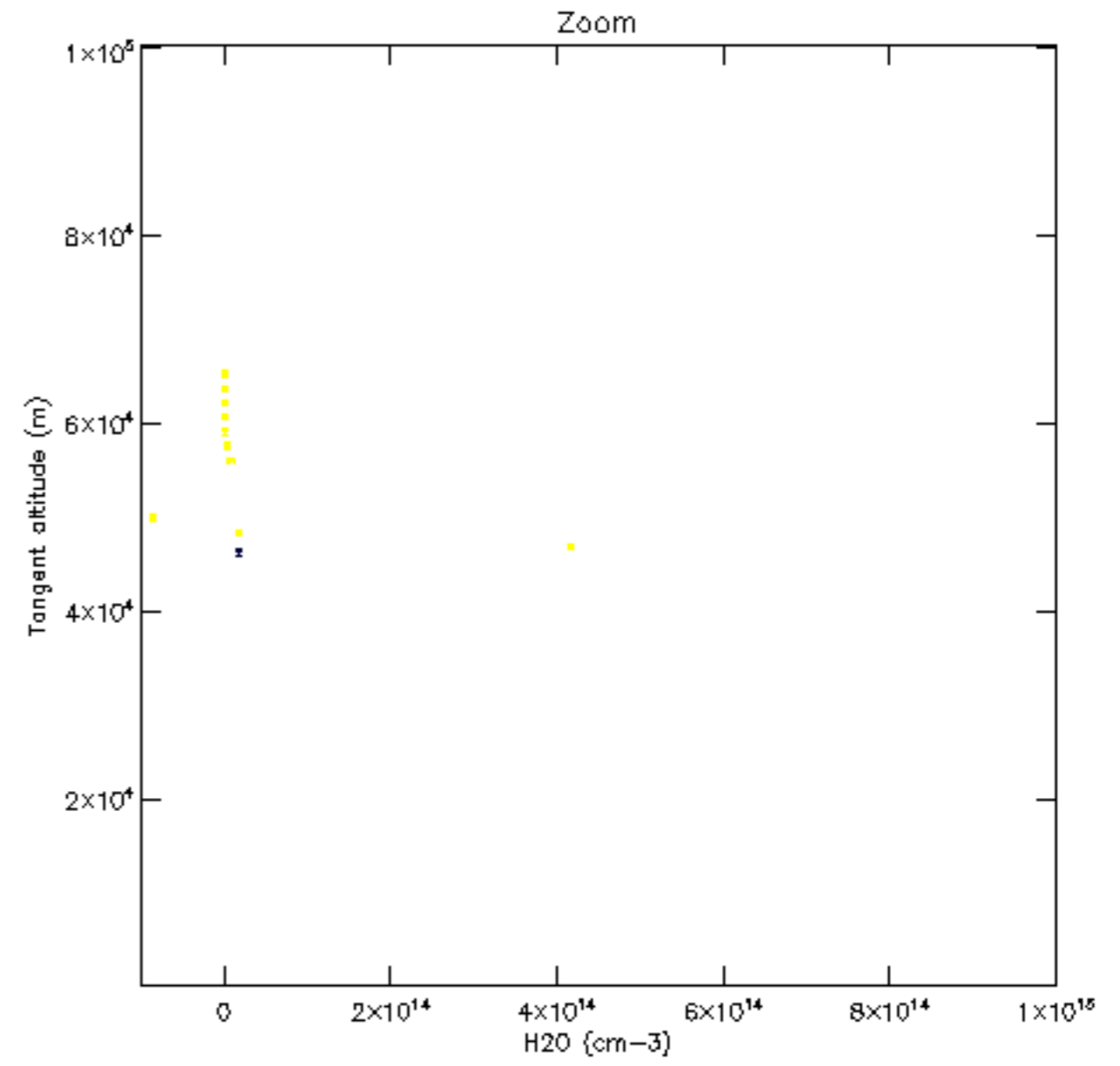
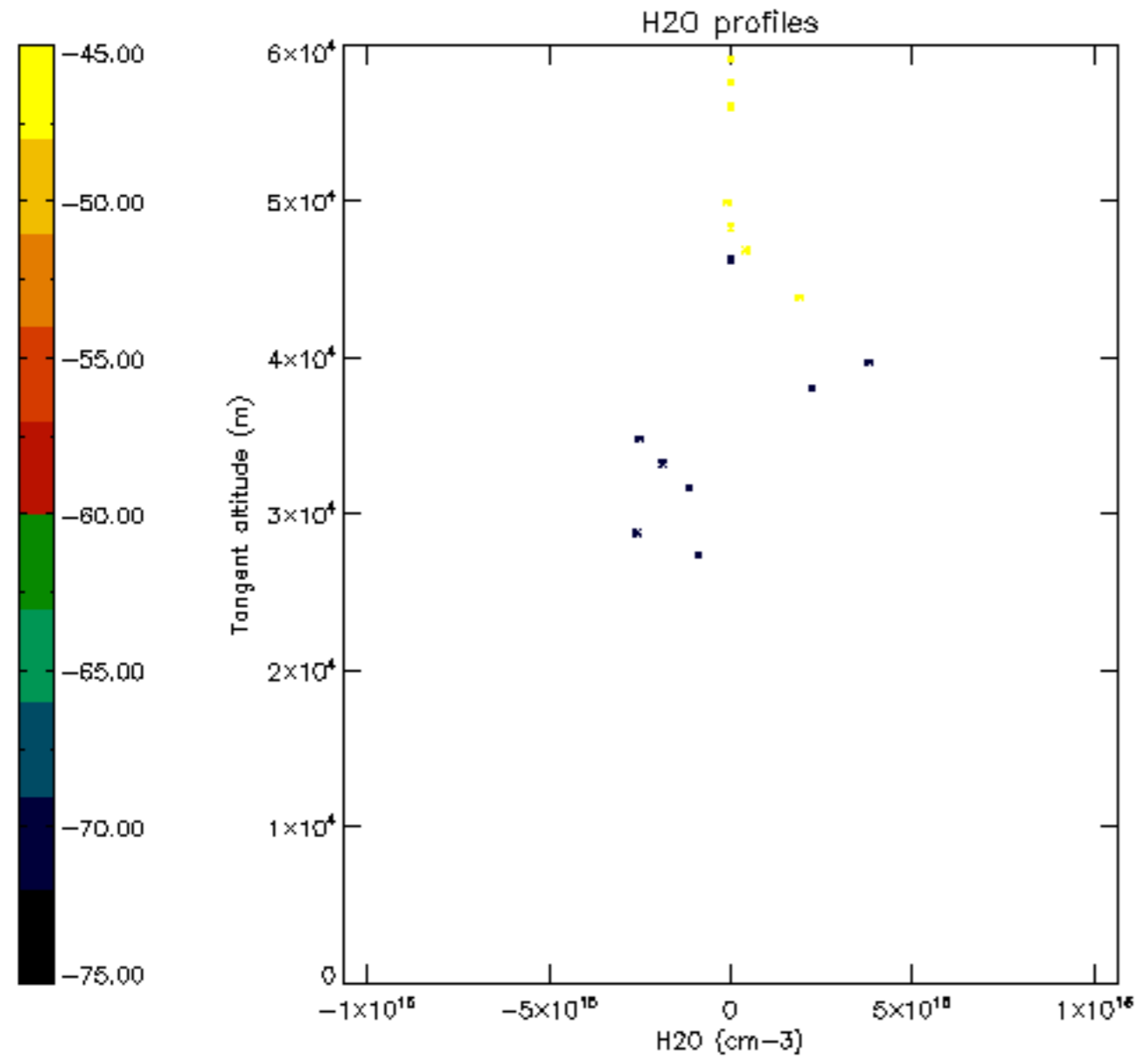


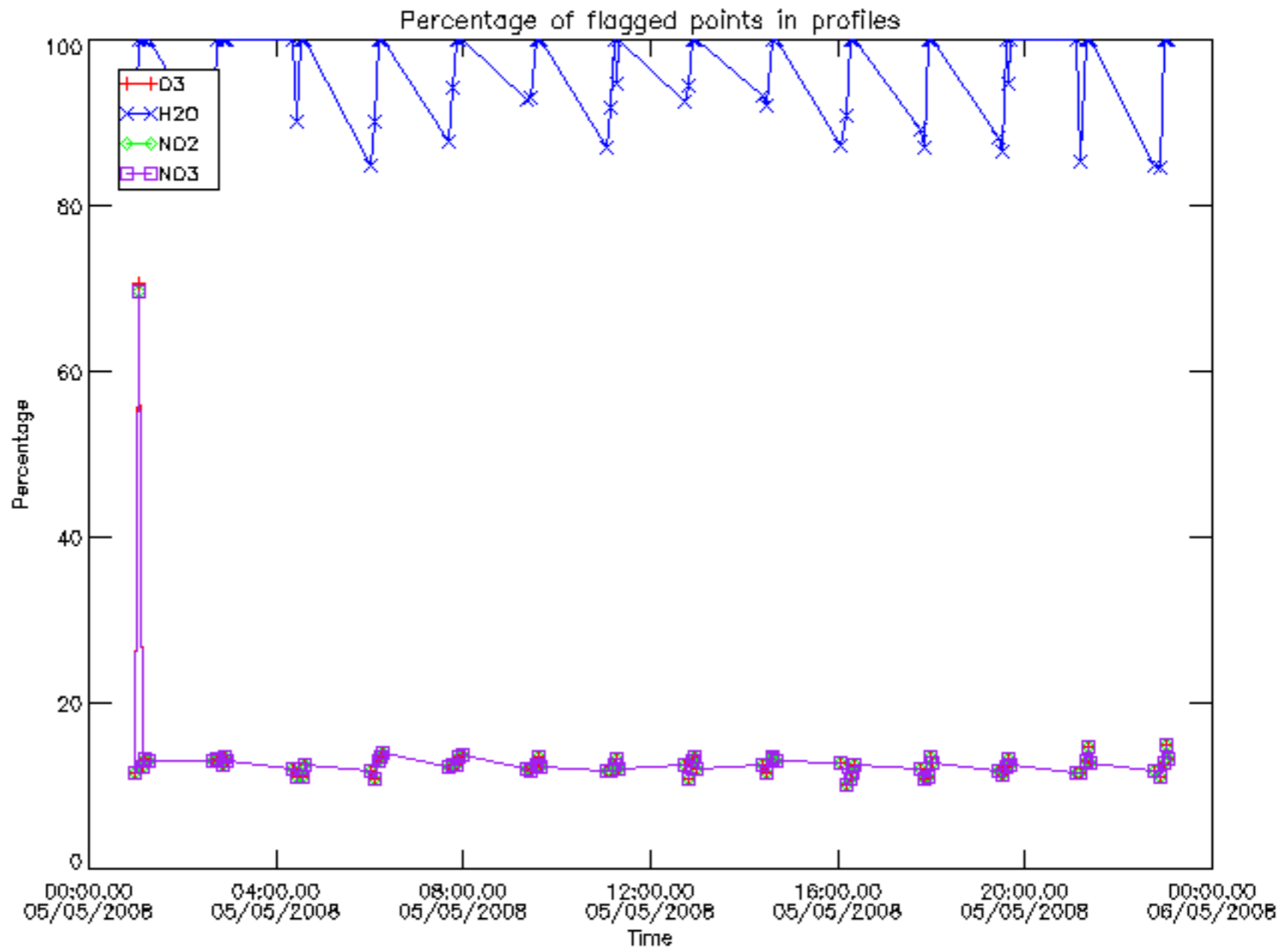




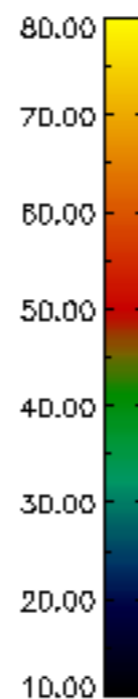
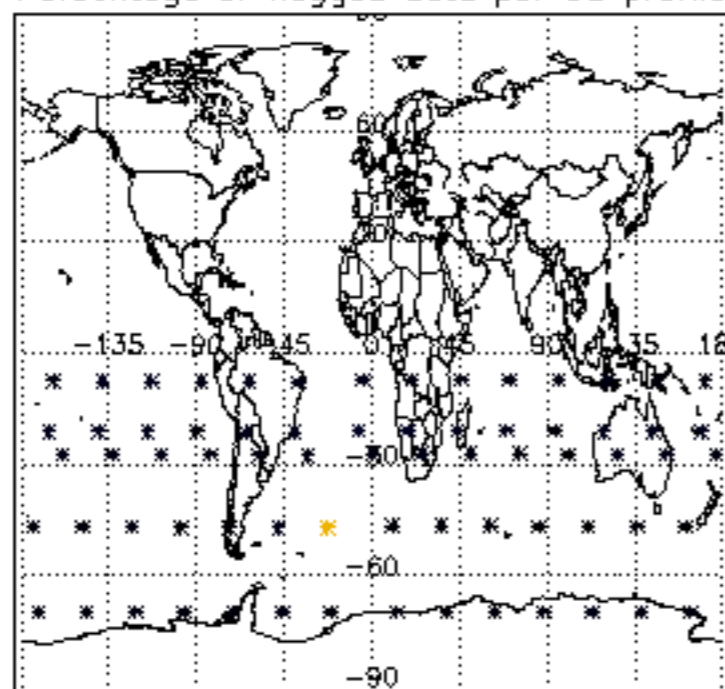




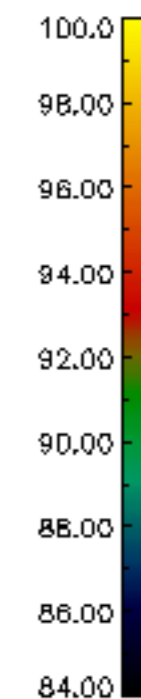
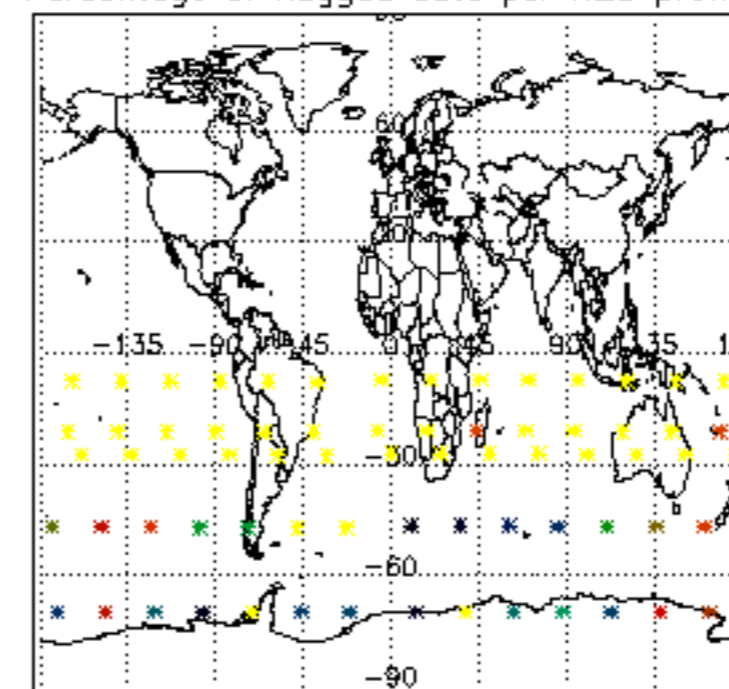




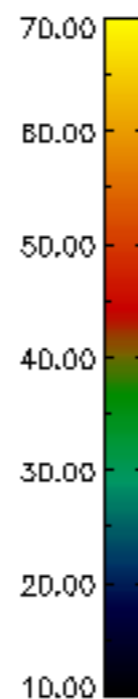
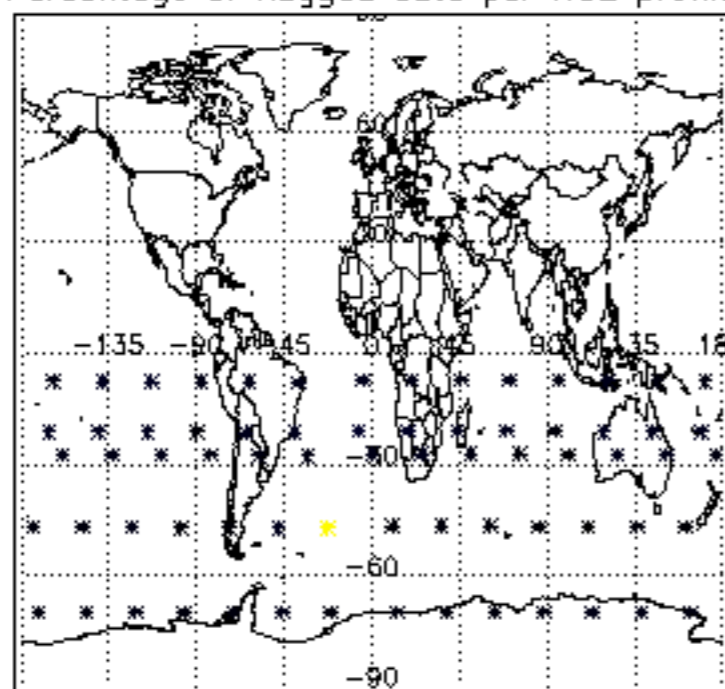
Percentage of flagged data per D3 profile



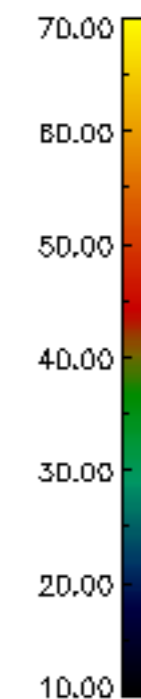
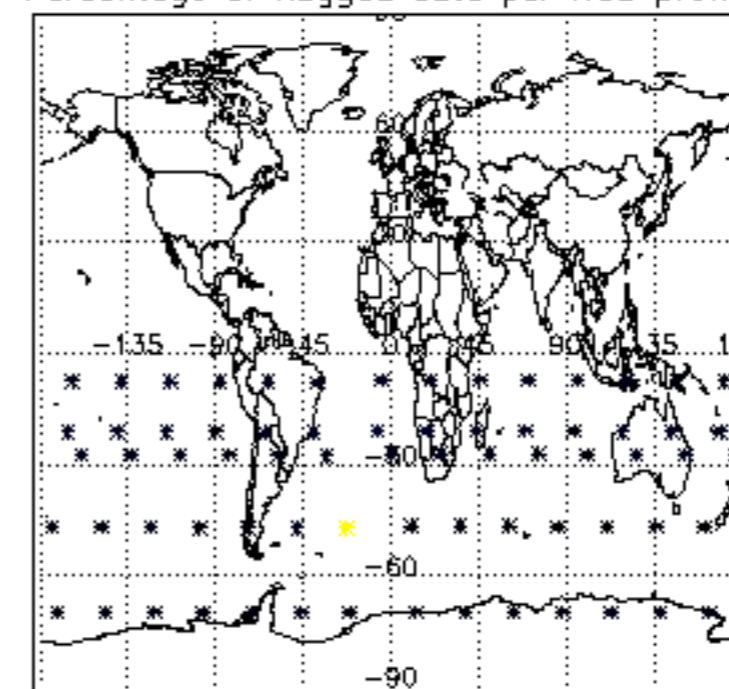
Percentage of flagged data per H2O profile

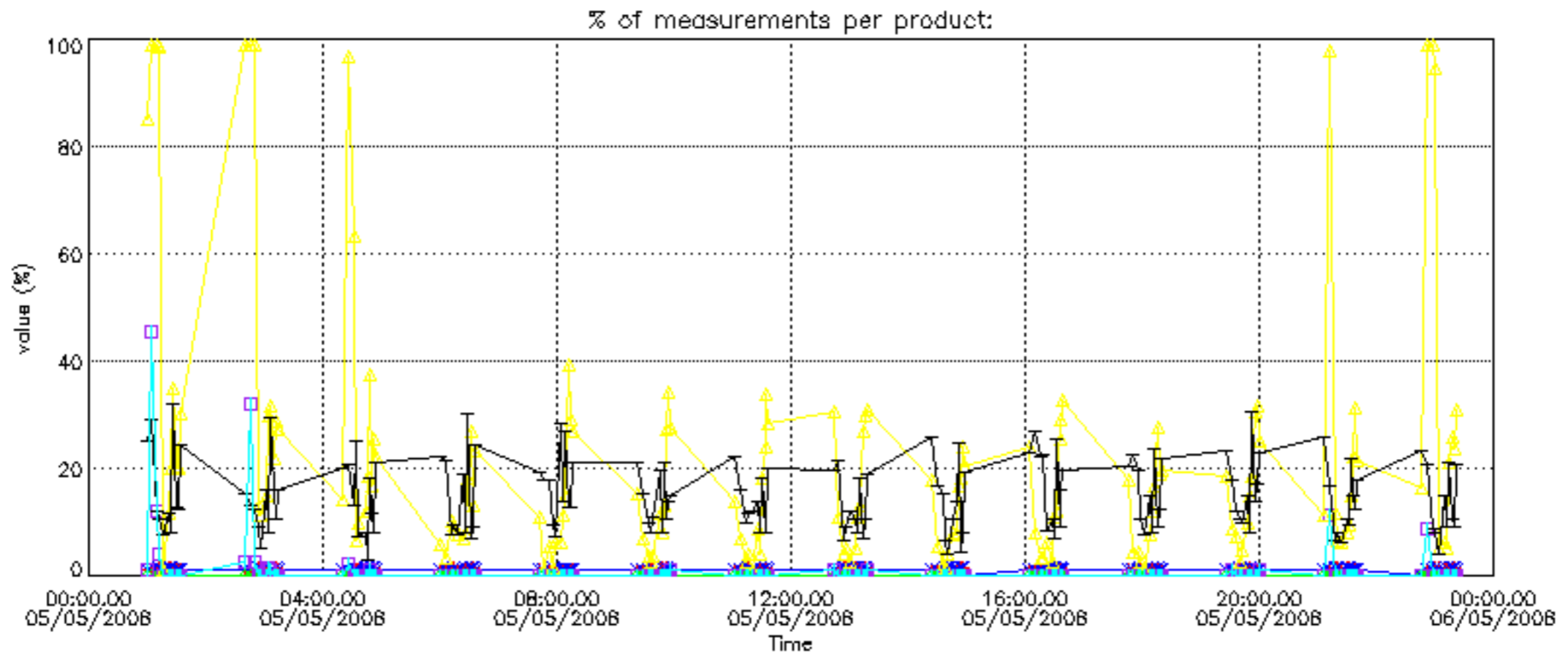


Percentage of flagged data per NO2 profile

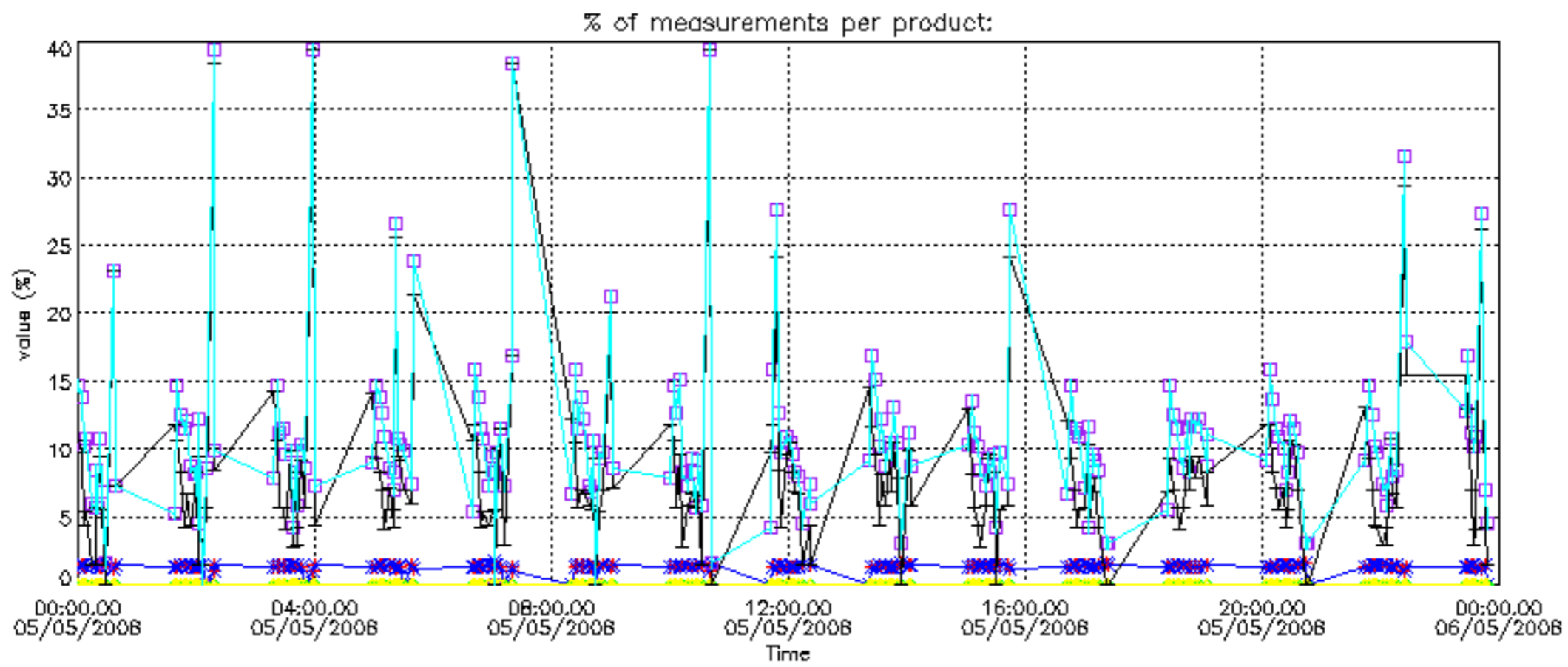


Percentage of flagged data per NO3 profile

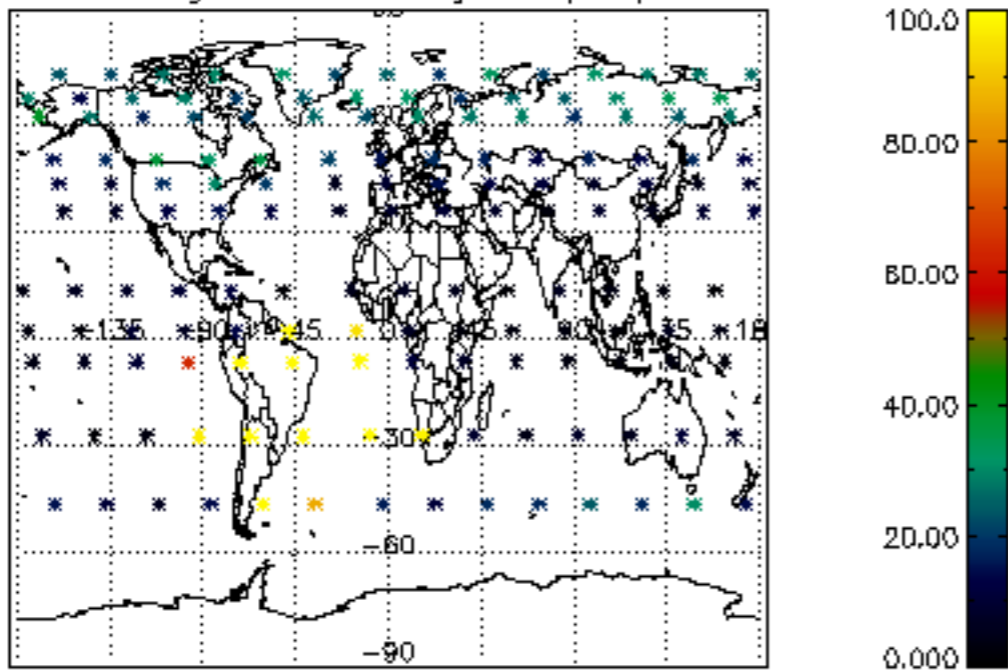




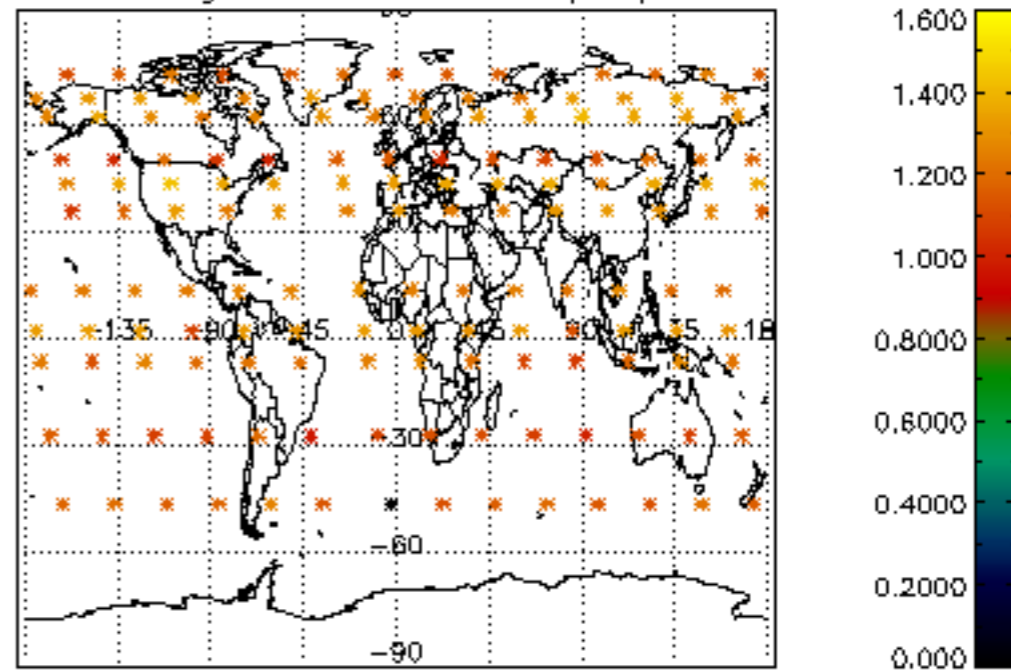




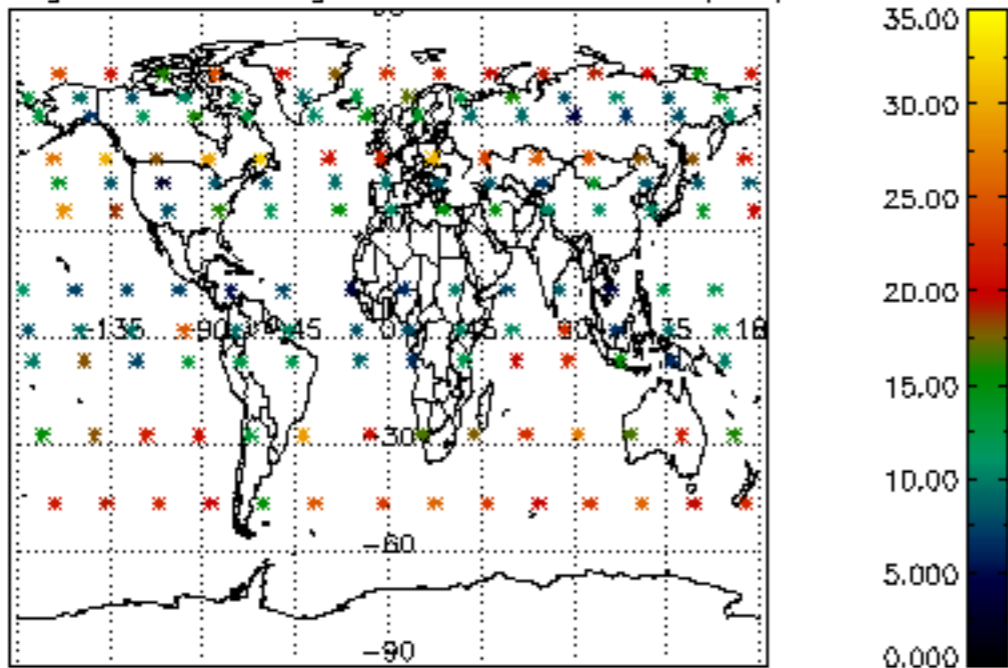
Percentage of cosmic ray hits per profile



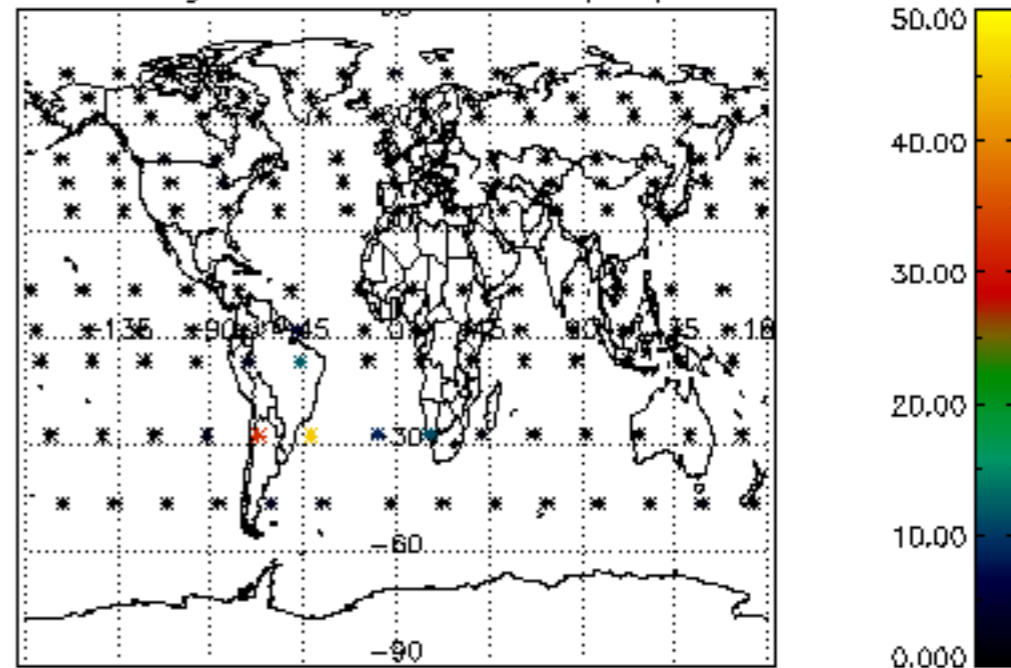
Percentage of datation errors per profile



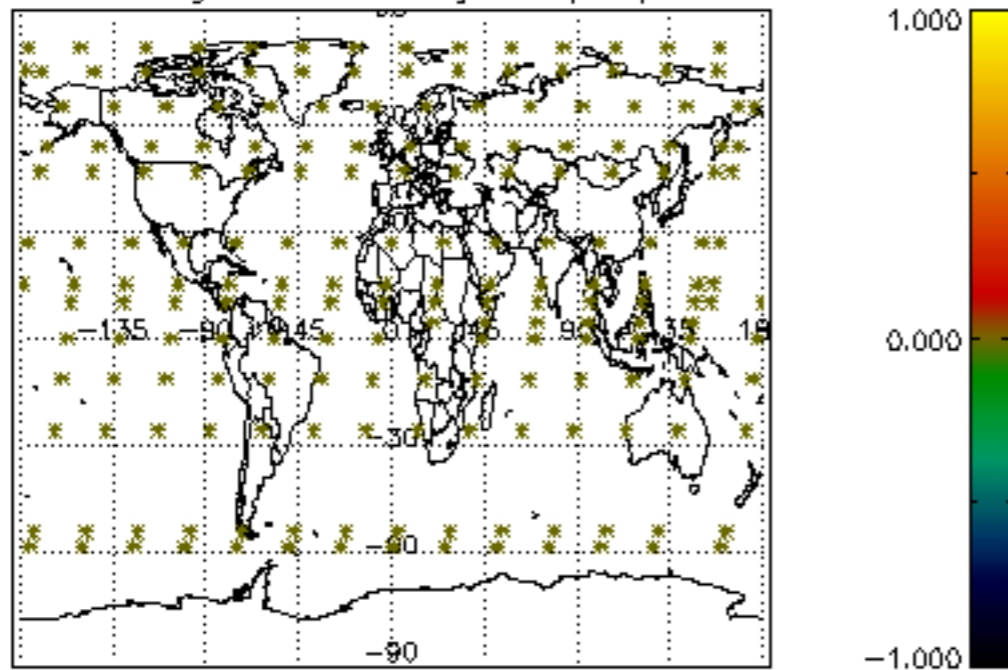
Percentage of star falling outside central band per profile



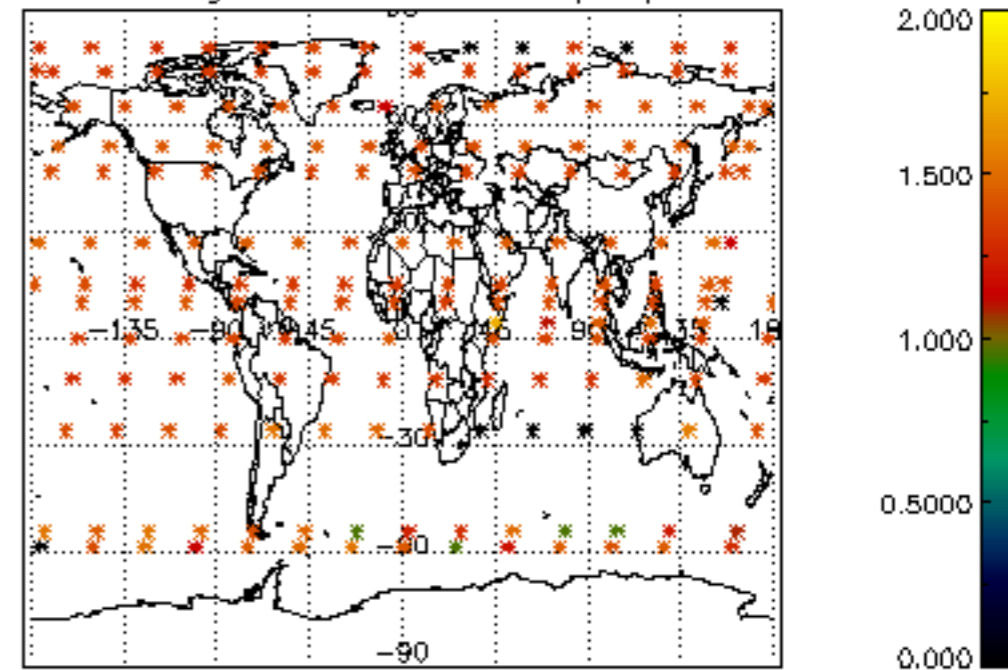
Percentage of saturation errors per profile



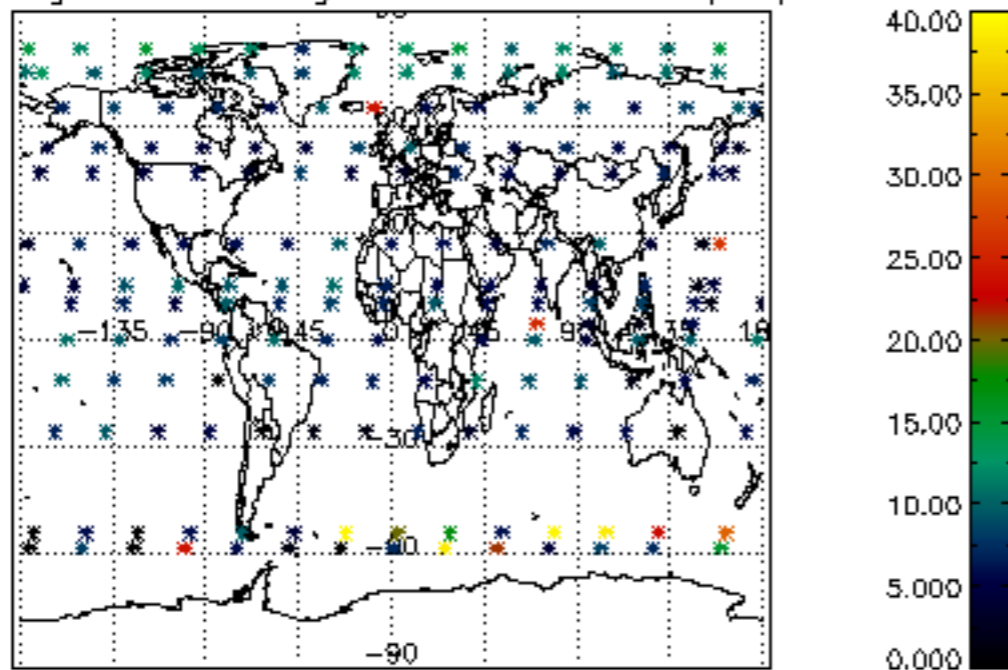
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

