

# 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	22APR2013 21:07:54
Data source version	GOMOS/6.01
Start time of products	25-06-2007 (25JUN2007 00:00:00)
Stop time of products	26-06-2007 (26JUN2007 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	291
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__2PRFIN20070625_000029_000000362059_00188_27797_3148.N1	25-JUN-2007 00:00:29	Bright	36.000	98	13Zet Oph	2.5710	30000.	72	27797	No
2	GOM_NL__2PRFIN20070625_000236_000000352059_00188_27797_3149.N1	25-JUN-2007 00:02:36	Bright	35.000	120	1Del Oph	2.7340	3200.0	70	27797	No
3	GOM_NL__2PRFIN20070625_000931_000000372059_00188_27797_3150.N1	25-JUN-2007 00:09:31	Bright	36.500	127	27Bet Her	2.7810	4700.0	73	27797	No
4	GOM_NL__2PRFIN20070625_001222_000000352059_00188_27797_3151.N1	25-JUN-2007 00:12:22	Bright	35.000	133	40Zet Her	2.8070	6000.0	70	27797	No
5	GOM_NL__2PRFIN20070625_002047_000000362059_00188_27797_3152.N1	25-JUN-2007 00:20:47	Bright	35.500	119	14Eta Dra	2.7270	4700.0	71	27797	No
6	GOM_NL__2PRFIN20070625_002435_000000372059_00188_27797_3153.N1	25-JUN-2007 00:24:35	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	27797	No
7	GOM_NL__2PRFIN20070625_002901_000000352059_00188_27797_3154.N1	25-JUN-2007 00:29:01	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	27797	No
8	GOM_NL__2PRFIN20070625_003921_000000542059_00188_27797_3155.N1	25-JUN-2007 00:39:21	Bright	54.000	160	23Gam Per	2.9300	4700.0	108	27797	No
9	GOM_NL__2PRFIN20070625_004304_000000362059_00188_27797_3156.N1	25-JUN-2007 00:43:04	Bright	35.500	79	26Bet Per	2.3100	13100.	71	27797	No
10	GOM_NL__2PRFIN20070625_005358_000000492059_00188_27797_3157.N1	25-JUN-2007 00:53:58	Dark	48.500	94	92Alp Cet	2.5260	3100.0	97	27797	No
11	GOM_NL__2PRFIN20070625_011205_000000432059_00189_27798_3158.N1	25-JUN-2007 01:12:05	Dark	42.500	9	Alp Eri	0.45300	24000.	85	27798	No
12	GOM_NL__2PRFIN20070625_011919_000000432059_00189_27798_3209.N1	25-JUN-2007 01:19:19	Straylight	43.000	148	Alp Tuc	2.8780	4100.0	86	27798	No
13	GOM_NL__2PRFIN20070625_012349_000000442059_00189_27798_3210.N1	25-JUN-2007 01:23:49	Straylight	44.000	45	Alp Pav	1.9400	26000.	88	27798	No
14	GOM_NL__2PRFIN20070625_012809_000000392059_00189_27798_3211.N1	25-JUN-2007 01:28:09	Straylight	38.500	141	Bet Ara	2.8400	4600.0	77	27798	No
15	GOM_NL__2PRFIN20070625_012935_000000402059_00189_27798_3212.N1	25-JUN-2007 01:29:35	Straylight	39.500	147	Alp Ara	2.8770	26000.	79	27798	No
16	GOM_NL__2PRFIN20070625_013121_000000402059_00189_27798_3213.N1	25-JUN-2007 01:31:21	Twilight_stray	39.500	40	The Sco	1.8590	7100.0	79	27798	No
17	GOM_NL__2PRFIN20070625_013302_000000402059_00189_27798_3214.N1	25-JUN-2007 01:33:02	Twilight_stray	40.000	25	35Lam Sco	1.6200	28000.	80	27798	No
18	GOM_NL__2PRFIN20070625_013428_000000442059_00189_27798_3215.N1	25-JUN-2007 01:34:28	Bright	43.500	167	10Gam2Sgr	2.9840	4500.0	87	27798	No
19	GOM_NL__2PRFIN20070625_013612_000000362059_00189_27798_3216.N1	25-JUN-2007 01:36:12	Bright	35.500	136	23Tau Sco	2.8220	30000.	71	27798	No
20	GOM_NL__2PRFIN20070625_013921_000000372059_00189_27798_3217.N1	25-JUN-2007 01:39:21	Bright	37.000	86	35Eta Oph	2.4300	10200.	74	27798	No
21	GOM_NL__2PRFIN20070625_014105_000000362059_00189_27798_3218.N1	25-JUN-2007 01:41:05	Bright	36.000	98	13Zet Oph	2.5710	30000.	72	27798	No
22	GOM_NL__2PRFIN20070625_014312_000000362059_00189_27798_3219.N1	25-JUN-2007 01:43:12	Bright	36.000	120	1Del Oph	2.7340	3200.0	72	27798	No
23	GOM_NL__2PRFIN20070625_015006_000000372059_00189_27798_3220.N1	25-JUN-2007 01:50:06	Bright	37.000	127	27Bet Her	2.7810	4700.0	74	27798	No
24	GOM_NL__2PRFIN20070625_015258_000000392059_00189_27798_3221.N1	25-JUN-2007 01:52:58	Bright	39.000	133	40Zet Her	2.8070	6000.0	78	27798	No
25	GOM_NL__2PRFIN20070625_020123_000000372059_00189_27798_3222.N1	25-JUN-2007 02:01:23	Bright	36.500	119	14Eta Dra	2.7270	4700.0	73	27798	No
26	GOM_NL__2PRFIN20070625_020511_000000332059_00189_27798_3223.N1	25-JUN-2007 02:05:11	Bright	32.500	60	7Bet UMi	2.0810	3950.0	65	27798	No
27	GOM_NL__2PRFIN20070625_020937_000000352059_00189_27798_3224.N1	25-JUN-2007 02:09:37	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	27798	No
28	GOM_NL__2PRFIN20070625_021957_000000492059_00189_27798_3225.N1	25-JUN-2007 02:19:57	Bright	49.000	160	23Gam Per	2.9300	4700.0	98	27798	No
29	GOM_NL__2PRFIN20070625_022341_000000372059_00189_27798_3226.N1	25-JUN-2007 02:23:41	Bright	37.000	79	26Bet Per	2.3100	13100.	74	27798	No
30	GOM_NL__2PRFIN20070625_023434_000000452059_00189_27798_3227.N1	25-JUN-2007 02:34:34	Dark	45.000	94	92Alp Cet	2.5260	3100.0	90	27798	No
31	GOM_NL__2PRFIN20070625_025241_000000442059_00190_27799_3228.N1	25-JUN-2007 02:52:41	Dark	43.500	9	Alp Eri	0.45300	24000.	87	27799	No
32	GOM_NL__2PRFIN20070625_025956_000000412059_00190_27799_3217.N1	25-JUN-2007 02:59:56	Straylight	41.000	148	Alp Tuc	2.8780	4100.0	82	27799	No
33	GOM_NL__2PRFIN20070625_030426_000000432059_00190_27799_3218.N1	25-JUN-2007 03:04:26	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	27799	No
34	GOM_NL__2PRFIN20070625_030846_000000372059_00190_27799_3219.N1	25-JUN-2007 03:08:46	Straylight	37.000	141	Bet Ara	2.8400	4600.0	74	27799	No
35	GOM_NL__2PRFIN20070625_031011_000000382059_00190_27799_3220.N1	25-JUN-2007 03:10:11	Straylight	37.500	147	Alp Ara	2.8770	26000.	75	27799	No
36	GOM_NL__2PRFIN20070625_031158_000000392059_00190_27799_3221.N1	25-JUN-2007 03:11:58	Twilight_stray	39.000	40	The Sco	1.8590	7100.0	78	27799	No
37	GOM_NL__2PRFIN20070625_031338_000000412059_00190_27799_3222.N1	25-JUN-2007 03:13:38	Twilight_stray	41.000	25	35Lam Sco	1.6200	28000.	82	27799	No
38	GOM_NL__2PRFIN20070625_031504_000000542059_00190_27799_3223.N1	25-JUN-2007 03:15:04	Bright	53.500	167	10Gam2Sgr	2.9840	4500.0	107	27799	No
39	GOM_NL__2PRFIN20070625_031648_000000372059_00190_27799_3224.N1	25-JUN-2007 03:16:48	Bright	36.500	136	23Tau Sco	2.8220	30000.	73	27799	No
40	GOM_NL__2PRFIN20070625_031957_000000372059_00190_27799_3225.N1	25-JUN-2007 03:19:57	Bright	37.000	86	35Eta Oph	2.4300	10200.	74	27799	No
41	GOM_NL__2PRFIN20070625_032141_000000362059_00190_27799_3226.N1	25-JUN-2007 03:21:41	Bright	35.500	98	13Zet Oph	2.5710	30000.	71	27799	No
42	GOM_NL__2PRFIN20070625_032348_000000362059_00190_27799_3227.N1	25-JUN-2007 03:23:48	Bright	35.500	120	1Del Oph	2.7340	3200.0	71	27799	No







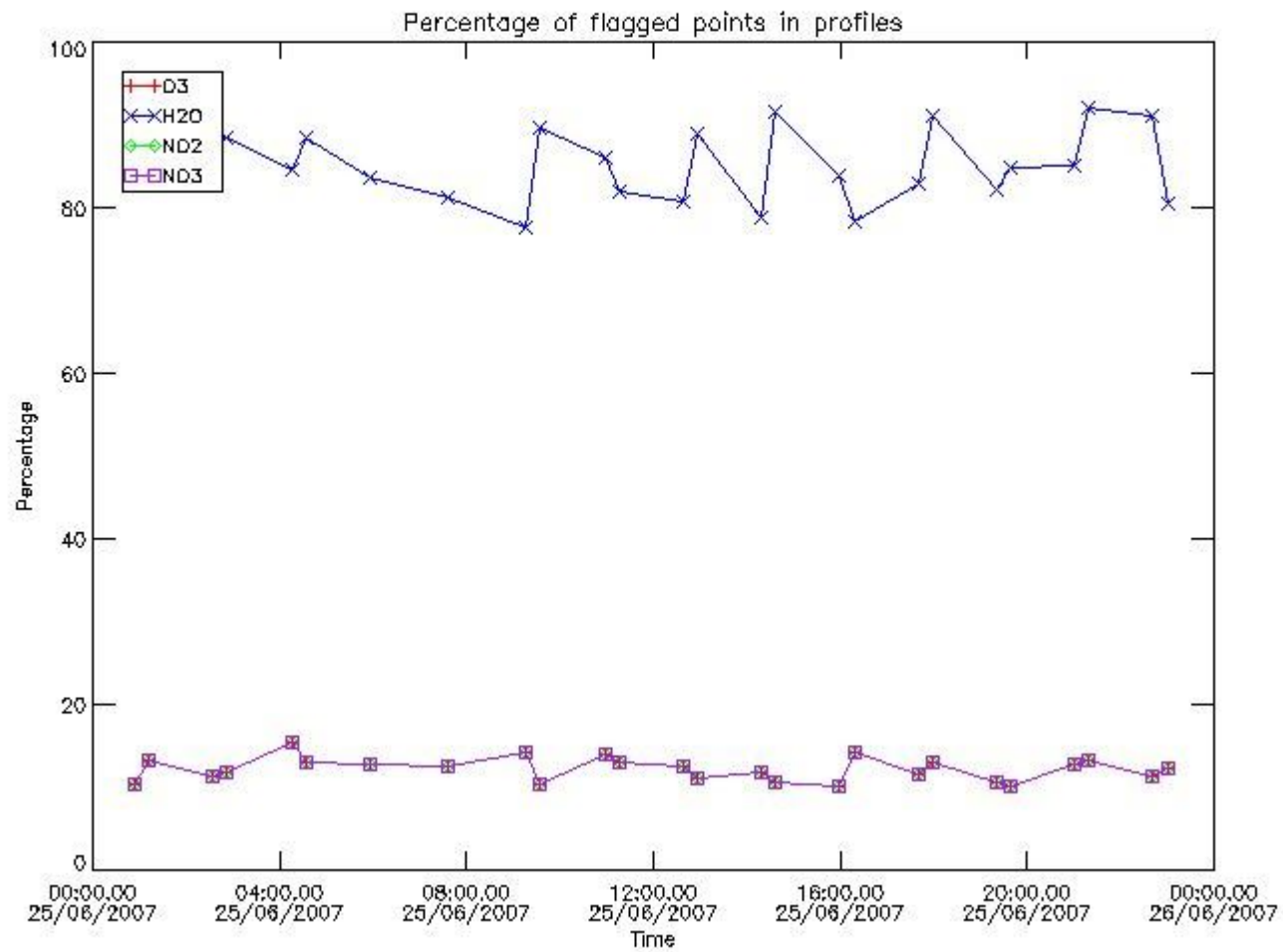


279	GOM_NL__2PRFIN20070625_231912_000000432059_00202_27811_3477.N1	25-JUN-2007 23:19:12	Twilight_stray	42.500	40	The Sco	1.8590	7100.0	85	27811	No
280	GOM_NL__2PRFIN20070625_232052_000000402059_00202_27811_3478.N1	25-JUN-2007 23:20:52	Twilight_stray	39.500	25	35Lam Sco	1.6200	28000.	79	27811	No
281	GOM_NL__2PRFIN20070625_232215_000000412059_00202_27811_3479.N1	25-JUN-2007 23:22:15	Bright	41.000	116	19Del Sgr	2.7000	4100.0	82	27811	No
282	GOM_NL__2PRFIN20070625_232401_000000372059_00202_27811_3480.N1	25-JUN-2007 23:24:01	Bright	36.500	136	23Tau Sco	2.8220	30000.	73	27811	No
283	GOM_NL__2PRFIN20070625_232710_000000372059_00202_27811_3481.N1	25-JUN-2007 23:27:10	Bright	37.000	86	35Eta Oph	2.4300	10200.	74	27811	No
284	GOM_NL__2PRFIN20070625_232854_000000352059_00202_27811_3482.N1	25-JUN-2007 23:28:54	Bright	35.000	98	13Zet Oph	2.5710	30000.	70	27811	No
285	GOM_NL__2PRFIN20070625_233101_000000362059_00202_27811_3483.N1	25-JUN-2007 23:31:01	Bright	35.500	120	1Del Oph	2.7340	3200.0	71	27811	No
286	GOM_NL__2PRFIN20070625_233754_000000372059_00202_27811_3484.N1	25-JUN-2007 23:37:54	Bright	37.000	127	27Bet Her	2.7810	4700.0	74	27811	No
287	GOM_NL__2PRFIN20070625_234044_000000352059_00202_27811_3485.N1	25-JUN-2007 23:40:44	Bright	34.500	133	40Zet Her	2.8070	6000.0	69	27811	No
288	GOM_NL__2PRFIN20070625_234703_000000382059_00202_27811_3486.N1	25-JUN-2007 23:47:03	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	27811	No
289	GOM_NL__2PRFIN20070625_234910_000000362059_00202_27811_3487.N1	25-JUN-2007 23:49:10	Bright	36.000	119	14Eta Dra	2.7270	4700.0	72	27811	No
290	GOM_NL__2PRFIN20070625_235300_000000362059_00202_27811_3488.N1	25-JUN-2007 23:53:00	Bright	35.500	60	7Bet UMi	2.0810	3950.0	71	27811	No
291	GOM_NL__2PRFIN20070625_235724_000000332059_00202_27811_3489.N1	25-JUN-2007 23:57:24	Bright	32.500	49	1Alp UMi	1.9900	6300.0	65	27811	No

### 3. Quality information per product

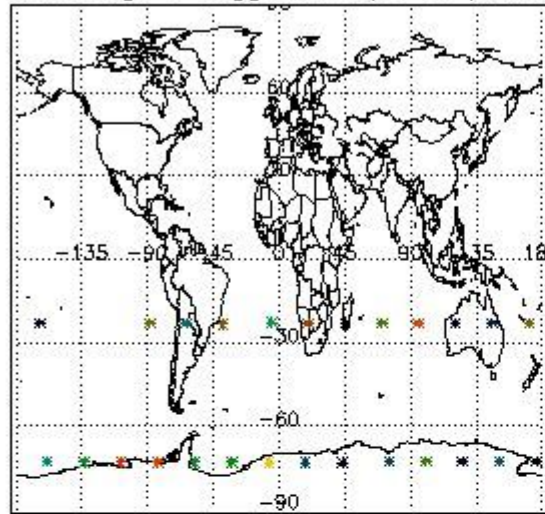
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

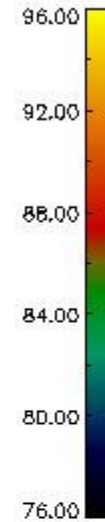
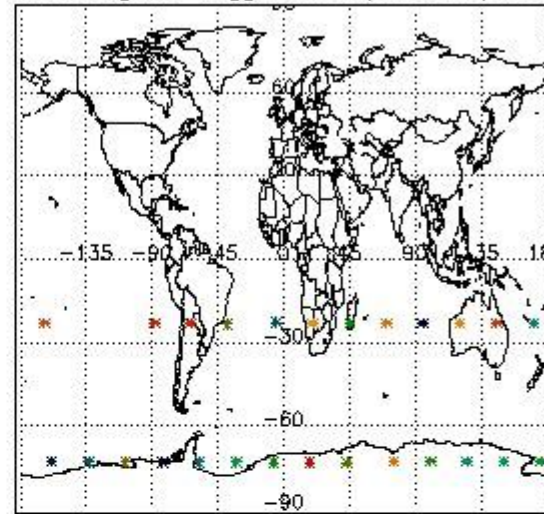


#### 3.2 Plot quality information per product (world map)

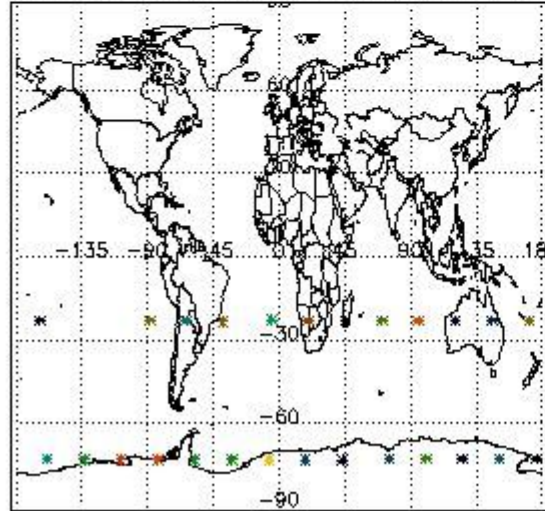
Percentage of flagged data per O3 profile



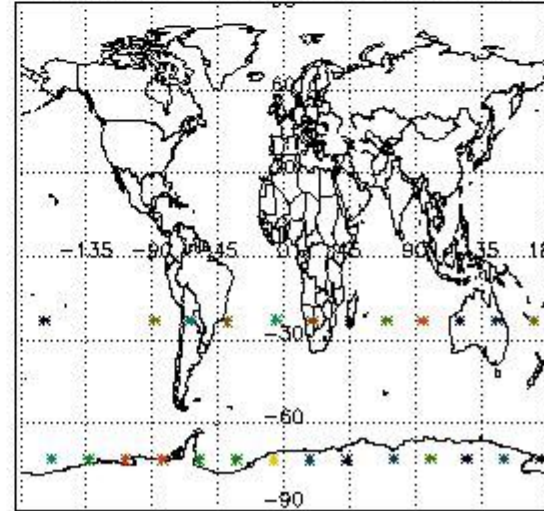
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile



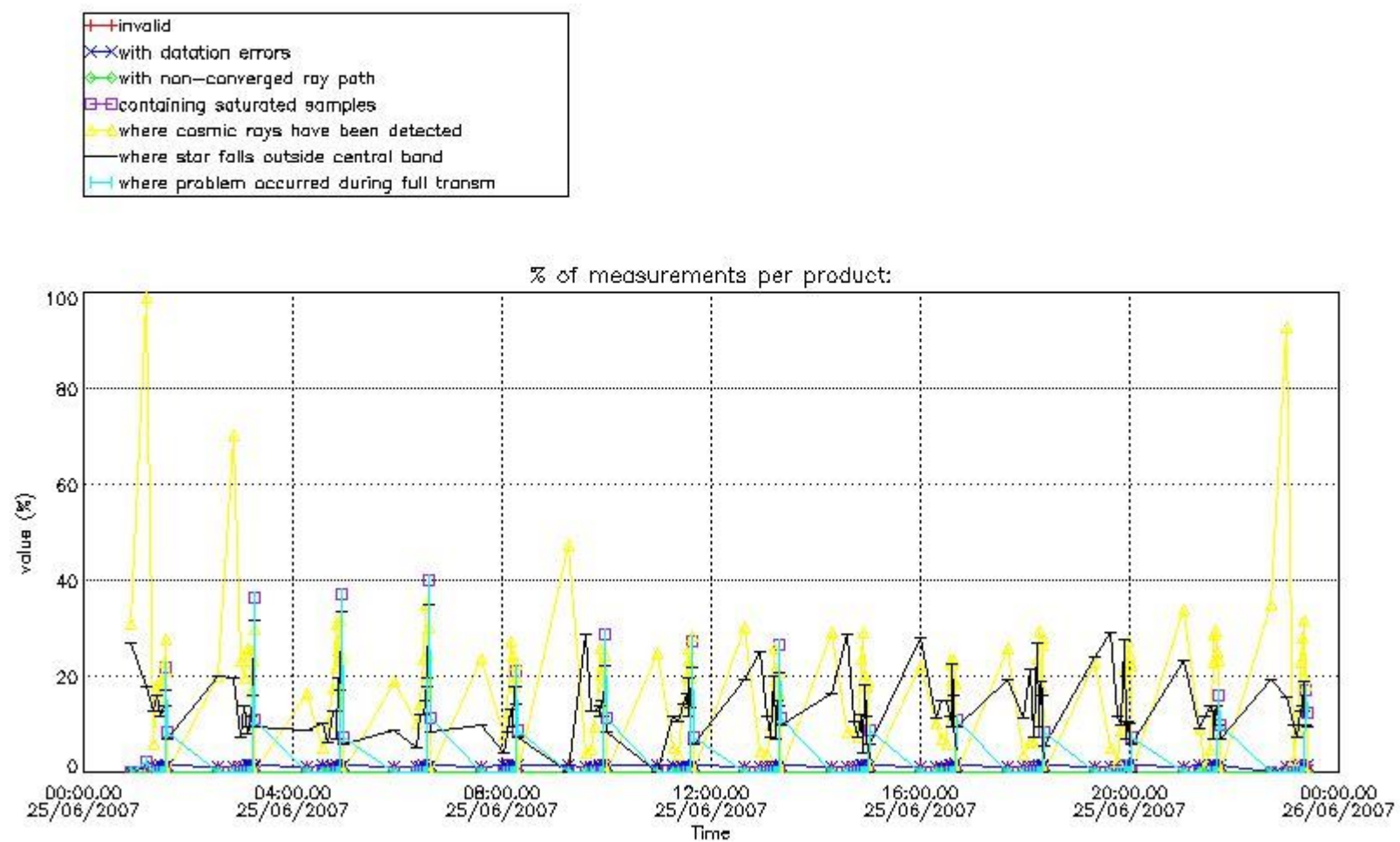
#### 4. Level 1 quality information per product

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.

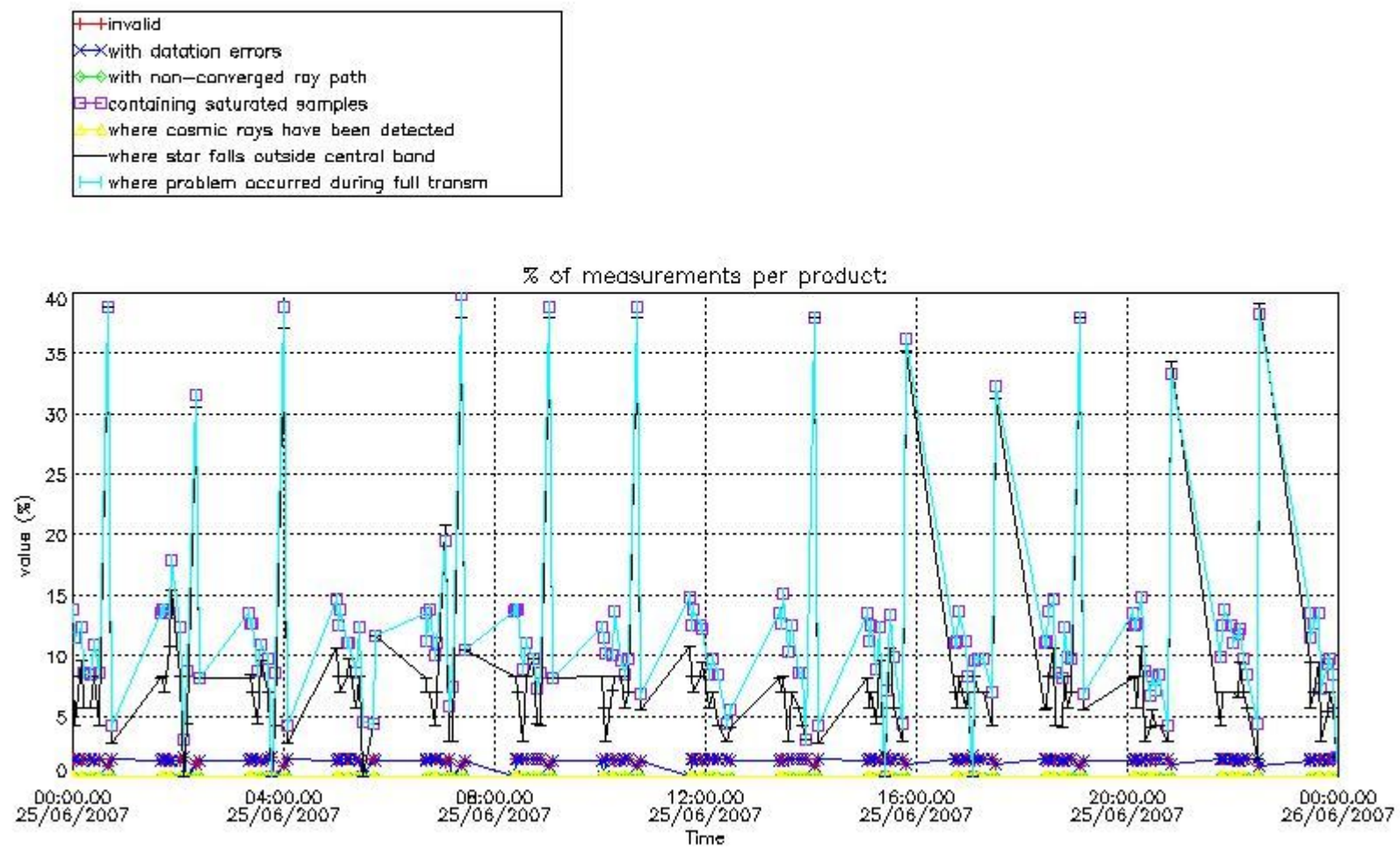
##### 4.1 Plot quality information per product (time dependant) coming from level 1b processing

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





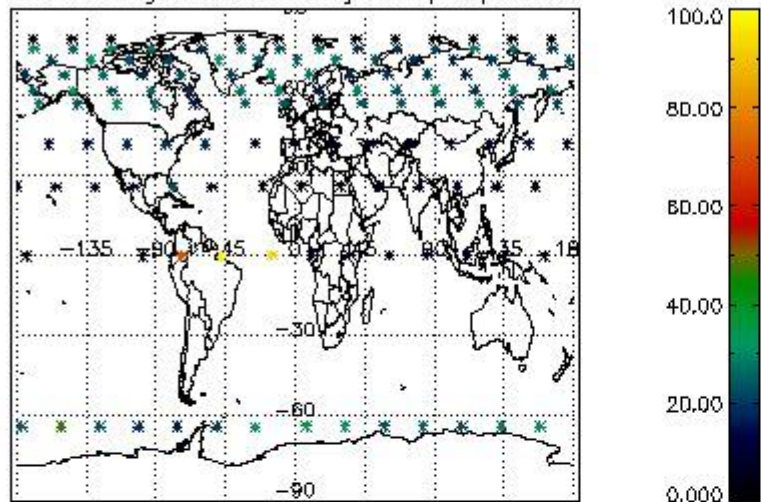
4.1.2 Plot level 1 quality information per product (time dependant): ENVISAT DESCENDING passes



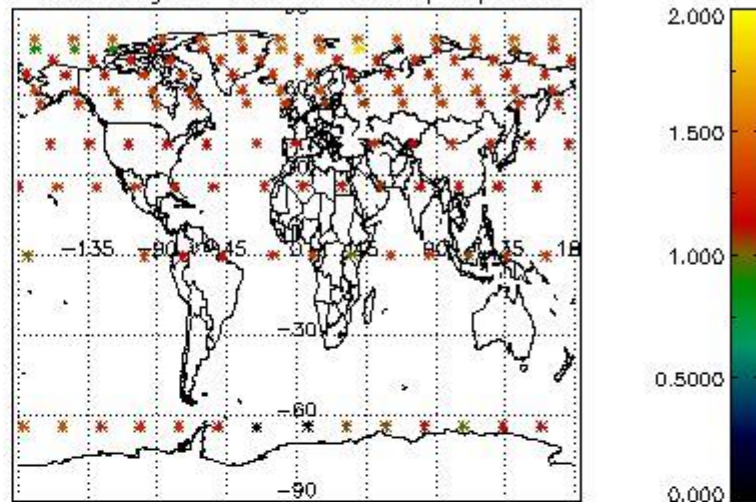
4.2 Plot quality information per product coming from level 1b processing (world map)

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

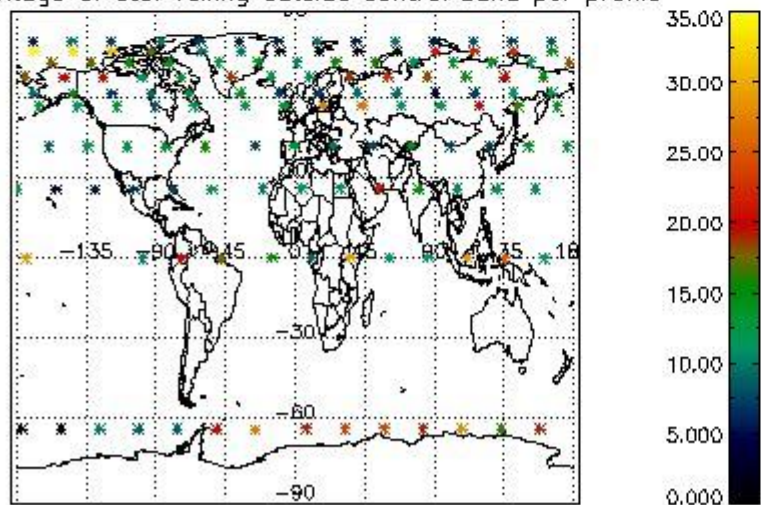
Percentage of cosmic ray hits per profile



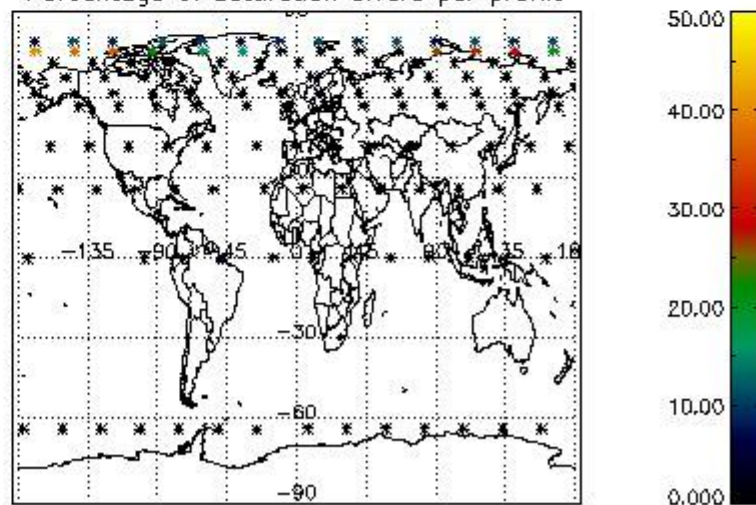
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

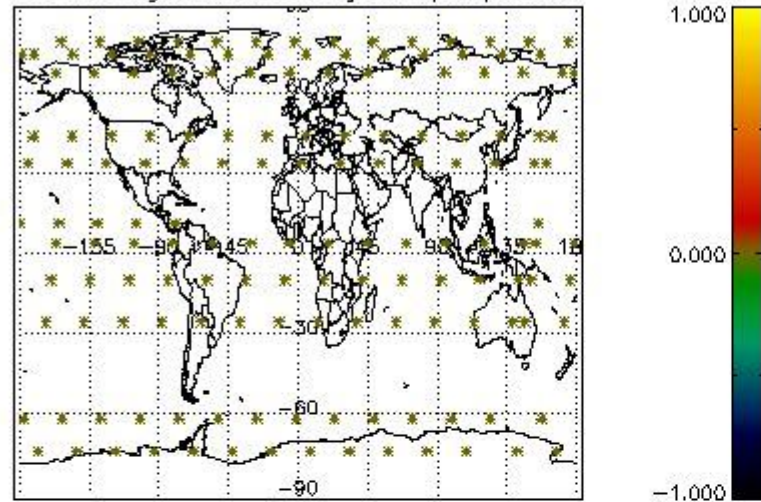


Percentage of saturation errors per profile

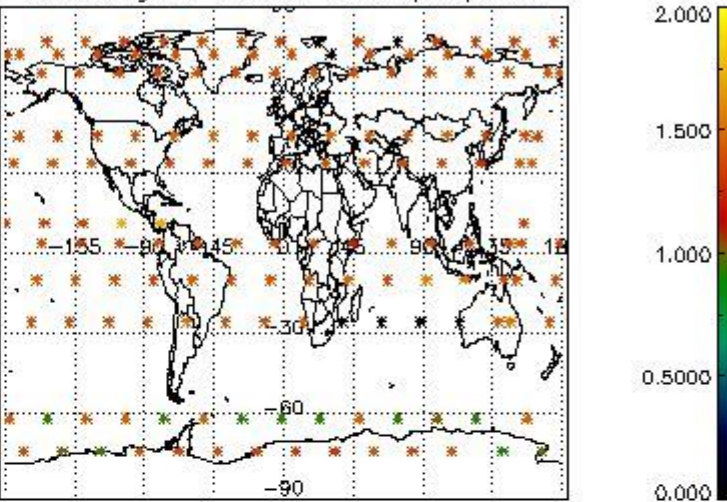


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

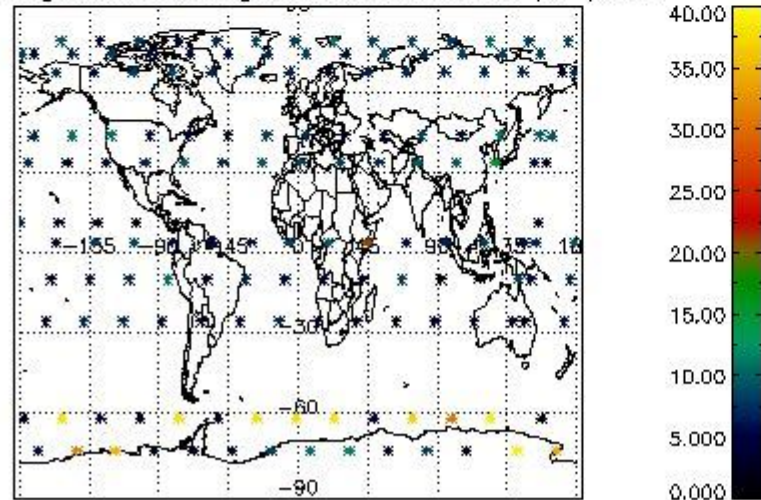
Percentage of cosmic ray hits per profile



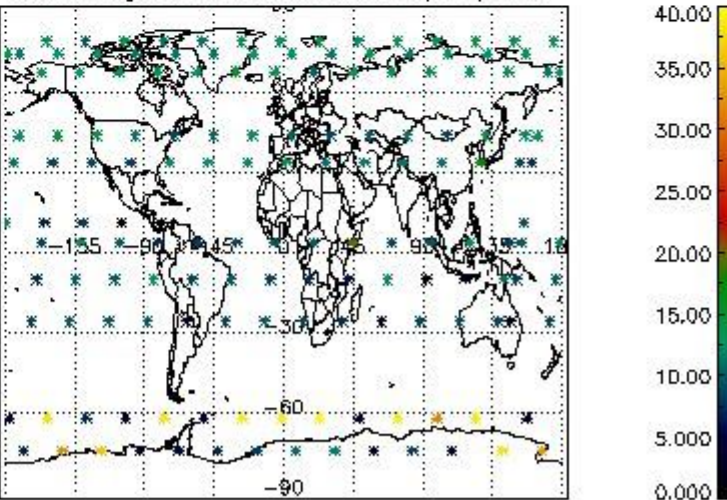
Percentage of datation errors per profile



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

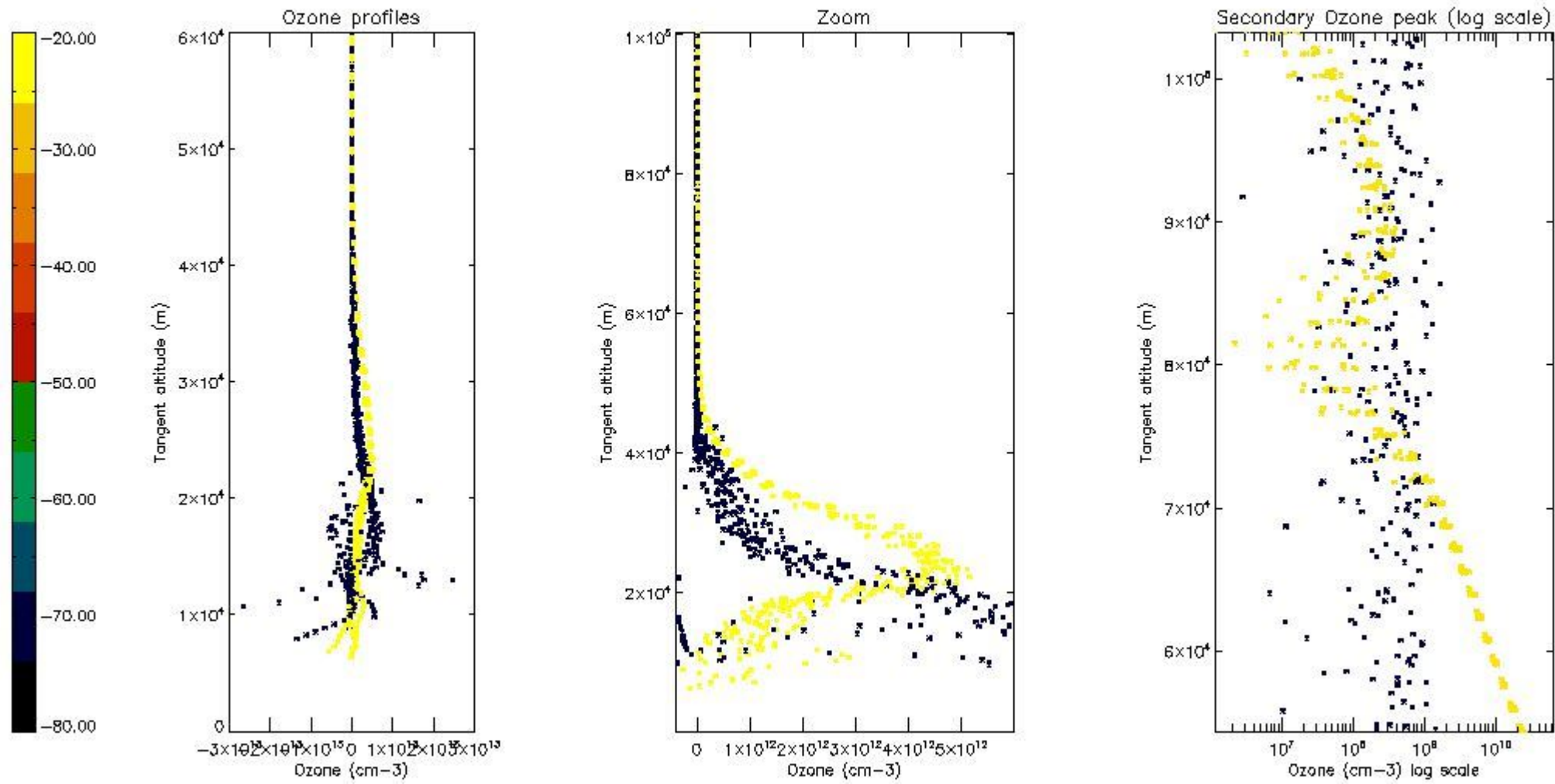
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	10
STD < 20	4

STD < 10	3
STD < 5	3

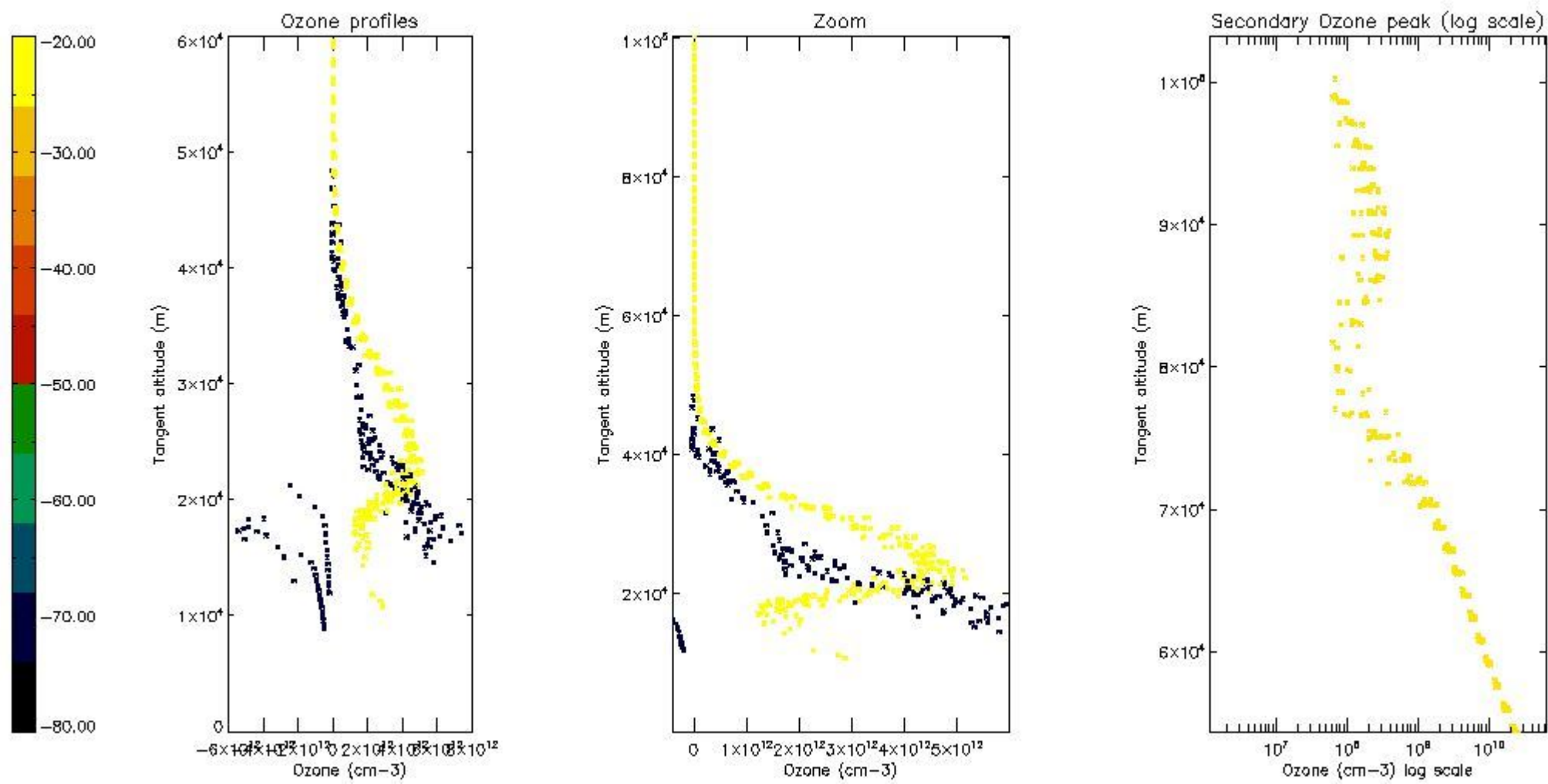
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



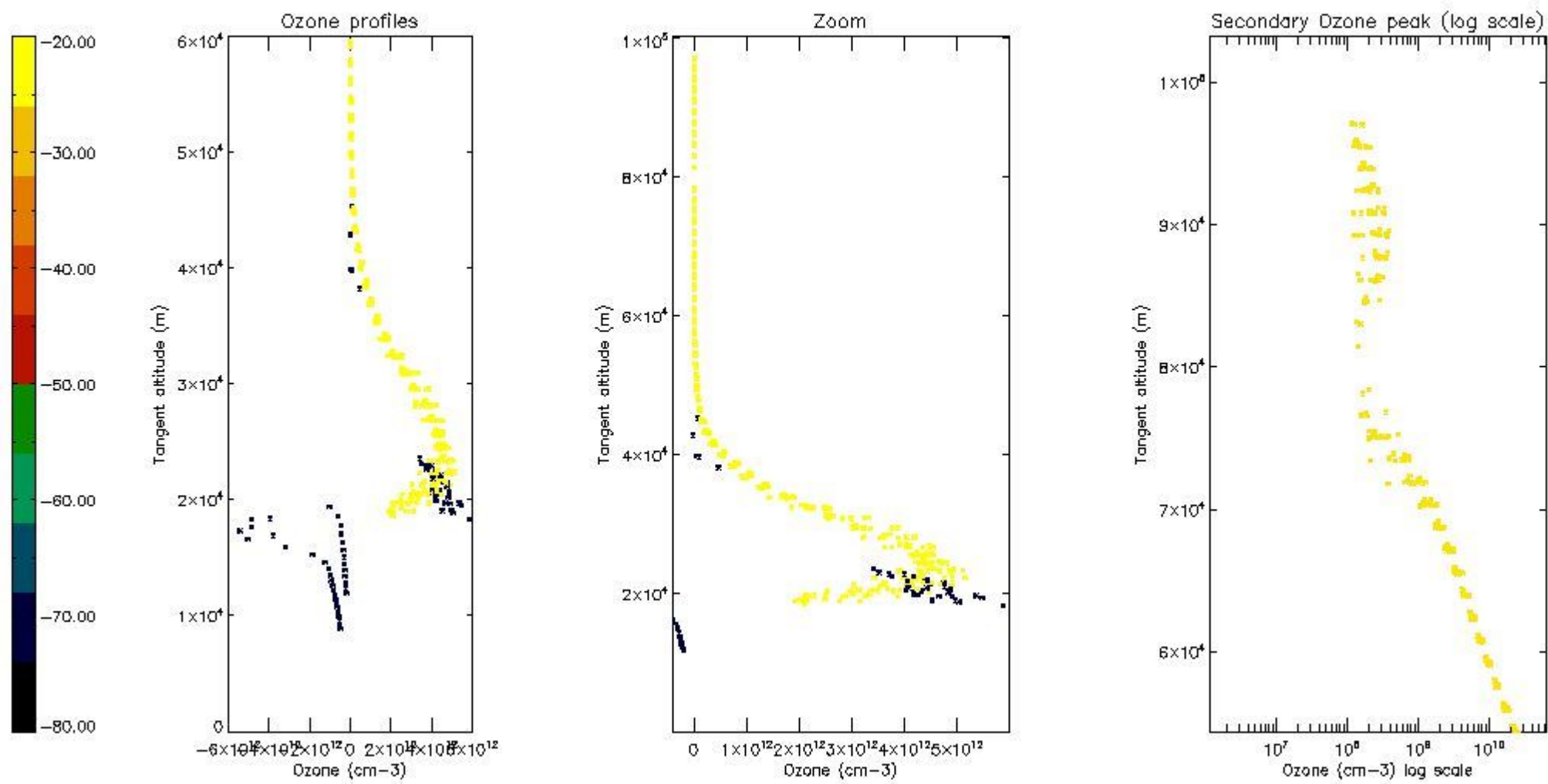
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



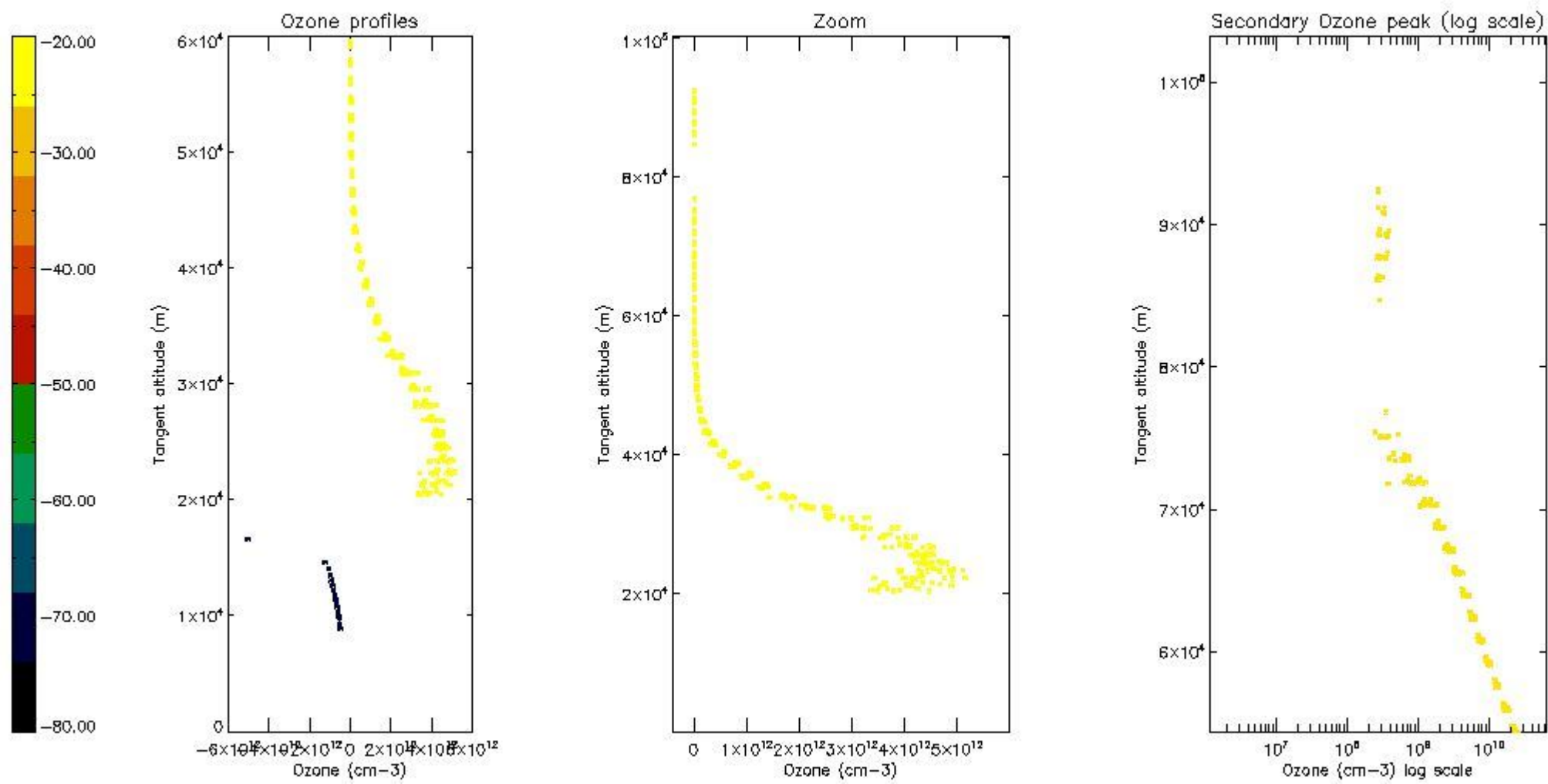
5.4 Plot ozone profiles where  $STD < 10\%$  (dark without errors)

The colorbar represents the latitude.



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

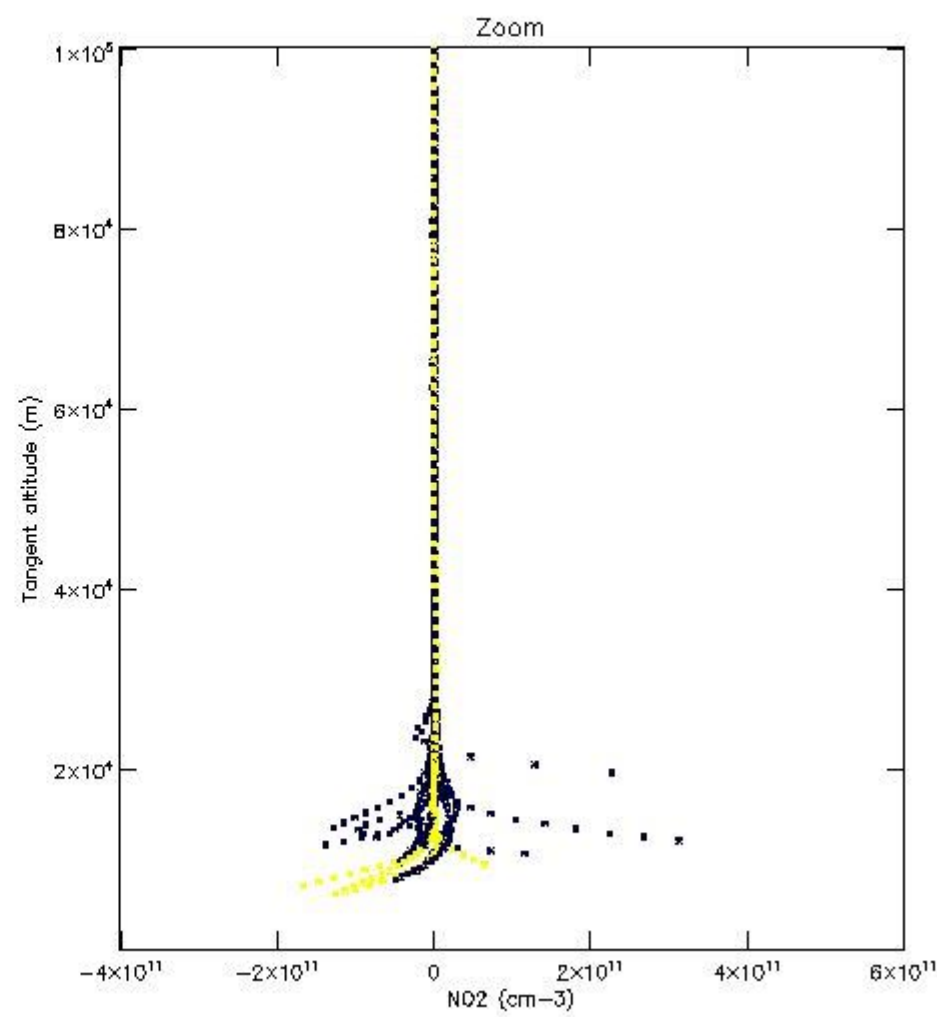
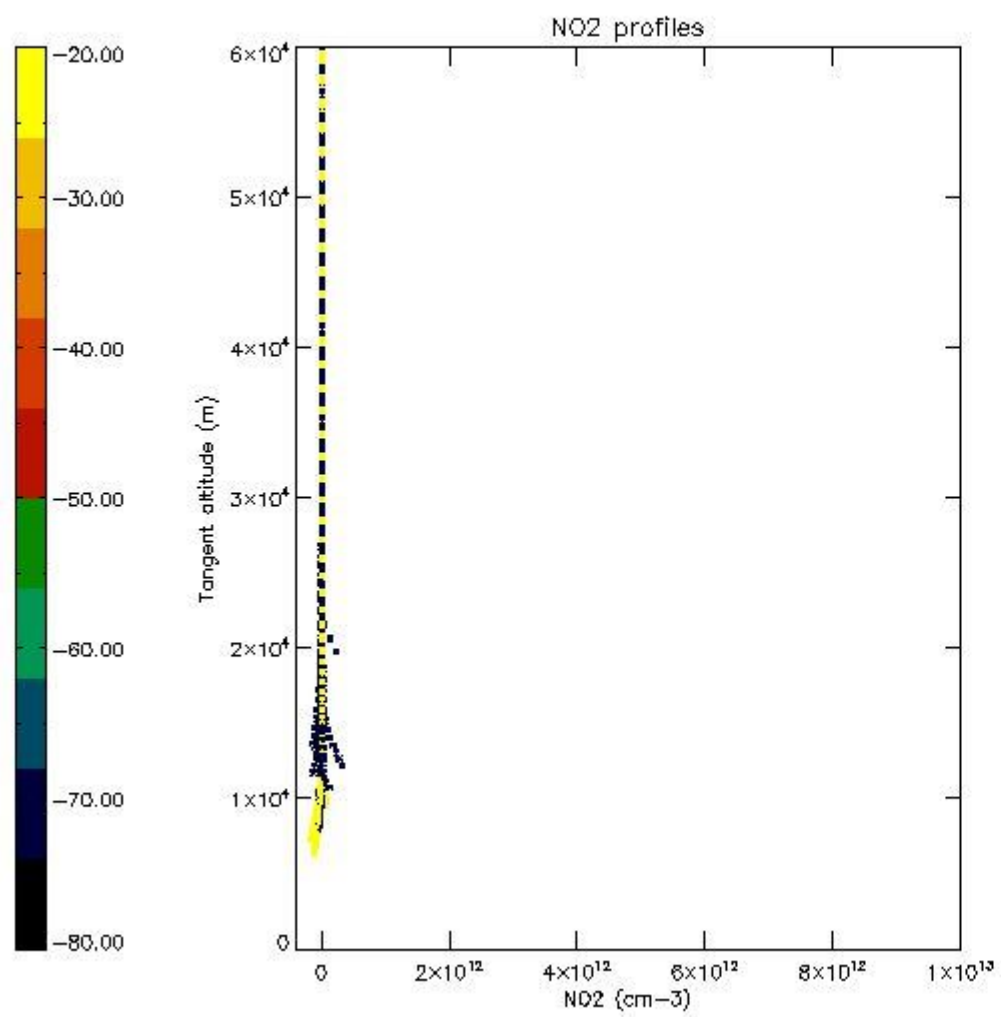
The colorbar represents the latitude.



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

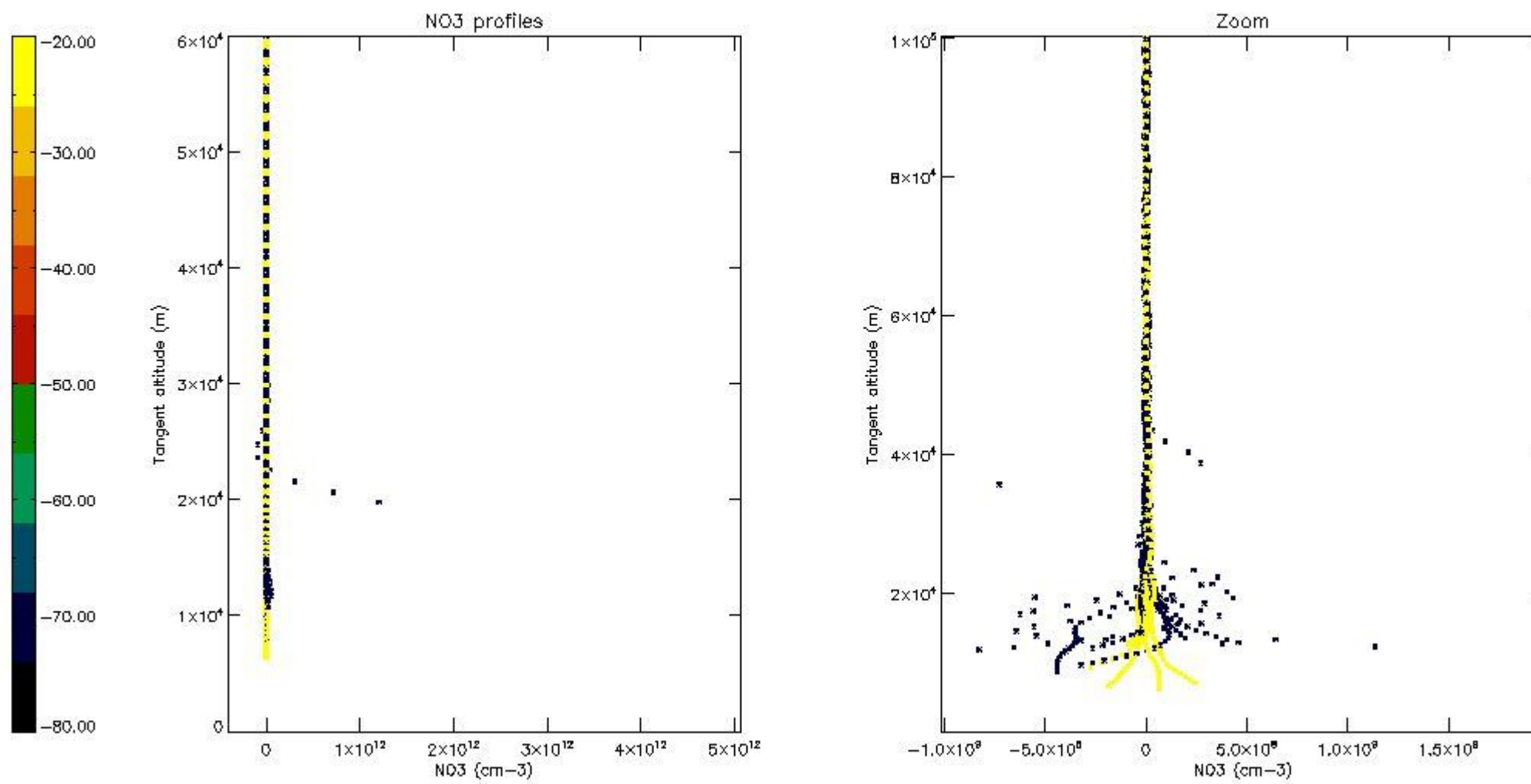
The colorbar represents the latitude.





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

The colorbar represents the latitude.



## 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	25-JUN-2007 00:00:29
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	25-JUN-2007 00:00:29
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	25-JUN-2007 00:00:29

# 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	22APR2013 21:07:54
Data source version	GOMOS/6.01
Start time of products	25-06-2007 (25JUN2007 00:00:00)
Stop time of products	26-06-2007 (26JUN2007 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	291
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__2PRFIN20070625_000029_000000362059_00188_27797_3148.N1	25-JUN-2007 00:00:29	Bright	36.000	98	13Zet Oph	2.5710	30000.	72	27797	No
2	GOM_NL__2PRFIN20070625_000236_000000352059_00188_27797_3149.N1	25-JUN-2007 00:02:36	Bright	35.000	120	1Del Oph	2.7340	3200.0	70	27797	No
3	GOM_NL__2PRFIN20070625_000931_000000372059_00188_27797_3150.N1	25-JUN-2007 00:09:31	Bright	36.500	127	27Bet Her	2.7810	4700.0	73	27797	No
4	GOM_NL__2PRFIN20070625_001222_000000352059_00188_27797_3151.N1	25-JUN-2007 00:12:22	Bright	35.000	133	40Zet Her	2.8070	6000.0	70	27797	No
5	GOM_NL__2PRFIN20070625_002047_000000362059_00188_27797_3152.N1	25-JUN-2007 00:20:47	Bright	35.500	119	14Eta Dra	2.7270	4700.0	71	27797	No
6	GOM_NL__2PRFIN20070625_002435_000000372059_00188_27797_3153.N1	25-JUN-2007 00:24:35	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	27797	No
7	GOM_NL__2PRFIN20070625_002901_000000352059_00188_27797_3154.N1	25-JUN-2007 00:29:01	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	27797	No
8	GOM_NL__2PRFIN20070625_003921_000000542059_00188_27797_3155.N1	25-JUN-2007 00:39:21	Bright	54.000	160	23Gam Per	2.9300	4700.0	108	27797	No
9	GOM_NL__2PRFIN20070625_004304_000000362059_00188_27797_3156.N1	25-JUN-2007 00:43:04	Bright	35.500	79	26Bet Per	2.3100	13100.	71	27797	No
10	GOM_NL__2PRFIN20070625_005358_000000492059_00188_27797_3157.N1	25-JUN-2007 00:53:58	Dark	48.500	94	92Alp Cet	2.5260	3100.0	97	27797	No
11	GOM_NL__2PRFIN20070625_011205_000000432059_00189_27798_3158.N1	25-JUN-2007 01:12:05	Dark	42.500	9	Alp Eri	0.45300	24000.	85	27798	No
12	GOM_NL__2PRFIN20070625_011919_000000432059_00189_27798_3209.N1	25-JUN-2007 01:19:19	Straylight	43.000	148	Alp Tuc	2.8780	4100.0	86	27798	No
13	GOM_NL__2PRFIN20070625_012349_000000442059_00189_27798_3210.N1	25-JUN-2007 01:23:49	Straylight	44.000	45	Alp Pav	1.9400	26000.	88	27798	No
14	GOM_NL__2PRFIN20070625_012809_000000392059_00189_27798_3211.N1	25-JUN-2007 01:28:09	Straylight	38.500	141	Bet Ara	2.8400	4600.0	77	27798	No
15	GOM_NL__2PRFIN20070625_012935_000000402059_00189_27798_3212.N1	25-JUN-2007 01:29:35	Straylight	39.500	147	Alp Ara	2.8770	26000.	79	27798	No
16	GOM_NL__2PRFIN20070625_013121_000000402059_00189_27798_3213.N1	25-JUN-2007 01:31:21	Twi_and_stray	39.500	40	The Sco	1.8590	7100.0	79	27798	No
17	GOM_NL__2PRFIN20070625_013302_000000402059_00189_27798_3214.N1	25-JUN-2007 01:33:02	Twi_and_stray	40.000	25	35Lam Sco	1.6200	28000.	80	27798	No
18	GOM_NL__2PRFIN20070625_013428_000000442059_00189_27798_3215.N1	25-JUN-2007 01:34:28	Bright	43.500	167	10Gam2Sgr	2.9840	4500.0	87	27798	No
19	GOM_NL__2PRFIN20070625_013612_000000362059_00189_27798_3216.N1	25-JUN-2007 01:36:12	Bright	35.500	136	23Tau Sco	2.8220	30000.	71	27798	No
20	GOM_NL__2PRFIN20070625_013921_000000372059_00189_27798_3217.N1	25-JUN-2007 01:39:21	Bright	37.000	86	35Eta Oph	2.4300	10200.	74	27798	No
21	GOM_NL__2PRFIN20070625_014105_000000362059_00189_27798_3218.N1	25-JUN-2007 01:41:05	Bright	36.000	98	13Zet Oph	2.5710	30000.	72	27798	No
22	GOM_NL__2PRFIN20070625_014312_000000362059_00189_27798_3219.N1	25-JUN-2007 01:43:12	Bright	36.000	120	1Del Oph	2.7340	3200.0	72	27798	No
23	GOM_NL__2PRFIN20070625_015006_000000372059_00189_27798_3220.N1	25-JUN-2007 01:50:06	Bright	37.000	127	27Bet Her	2.7810	4700.0	74	27798	No
24	GOM_NL__2PRFIN20070625_015258_000000392059_00189_27798_3221.N1	25-JUN-2007 01:52:58	Bright	39.000	133	40Zet Her	2.8070	6000.0	78	27798	No
25	GOM_NL__2PRFIN20070625_020123_000000372059_00189_27798_3222.N1	25-JUN-2007 02:01:23	Bright	36.500	119	14Eta Dra	2.7270	4700.0	73	27798	No
26	GOM_NL__2PRFIN20070625_020511_000000332059_00189_27798_3223.N1	25-JUN-2007 02:05:11	Bright	32.500	60	7Bet UMi	2.0810	3950.0	65	27798	No
27	GOM_NL__2PRFIN20070625_020937_000000352059_00189_27798_3224.N1	25-JUN-2007 02:09:37	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	27798	No
28	GOM_NL__2PRFIN20070625_021957_000000492059_00189_27798_3225.N1	25-JUN-2007 02:19:57	Bright	49.000	160	23Gam Per	2.9300	4700.0	98	27798	No
29	GOM_NL__2PRFIN20070625_022341_000000372059_00189_27798_3226.N1	25-JUN-2007 02:23:41	Bright	37.000	79	26Bet Per	2.3100	13100.	74	27798	No
30	GOM_NL__2PRFIN20070625_023434_000000452059_00189_27798_3227.N1	25-JUN-2007 02:34:34	Dark	45.000	94	92Alp Cet	2.5260	3100.0	90	27798	No
31	GOM_NL__2PRFIN20070625_025241_000000442059_00190_27799_3228.N1	25-JUN-2007 02:52:41	Dark	43.500	9	Alp Eri	0.45300	24000.	87	27799	No
32	GOM_NL__2PRFIN20070625_025956_000000412059_00190_27799_3217.N1	25-JUN-2007 02:59:56	Straylight	41.000	148	Alp Tuc	2.8780	4100.0	82	27799	No
33	GOM_NL__2PRFIN20070625_030426_000000432059_00190_27799_3218.N1	25-JUN-2007 03:04:26	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	27799	No
34	GOM_NL__2PRFIN20070625_030846_000000372059_00190_27799_3219.N1	25-JUN-2007 03:08:46	Straylight	37.000	141	Bet Ara	2.8400	4600.0	74	27799	No
35	GOM_NL__2PRFIN20070625_031011_000000382059_00190_27799_3220.N1	25-JUN-2007 03:10:11	Straylight	37.500	147	Alp Ara	2.8770	26000.	75	27799	No
36	GOM_NL__2PRFIN20070625_031158_000000392059_00190_27799_3221.N1	25-JUN-2007 03:11:58	Twi_and_stray	39.000	40	The Sco	1.8590	7100.0	78	27799	No
37	GOM_NL__2PRFIN20070625_031338_000000412059_00190_27799_3222.N1	25-JUN-2007 03:13:38	Twi_and_stray	41.000	25	35Lam Sco	1.6200	28000.	82	27799	No
38	GOM_NL__2PRFIN20070625_031504_000000542059_00190_27799_3223.N1	25-JUN-2007 03:15:04	Bright	53.500	167	10Gam2Sgr	2.9840	4500.0	107	27799	No
39	GOM_NL__2PRFIN20070625_031648_000000372059_00190_27799_3224.N1	25-JUN-2007 03:16:48	Bright	36.500	136	23Tau Sco	2.8220	30000.	73	27799	No
40	GOM_NL__2PRFIN20070625_031957_000000372059_00190_27799_3225.N1	25-JUN-2007 03:19:57	Bright	37.000	86	35Eta Oph	2.4300	10200.	74	27799	No
41	GOM_NL__2PRFIN20070625_032141_000000362059_00190_27799_3226.N1	25-JUN-2007 03:21:41	Bright	35.500	98	13Zet Oph	2.5710	30000.	71	27799	No
42	GOM_NL__2PRFIN20070625_032348_000000362059_00190_27799_3227.N1	25-JUN-2007 03:23:48	Bright	35.500	120	1Del Oph	2.7340	3200.0	71	27799	No

43	GOM_NL__2PRFIN20070625_033042_000000352059_00190_27799_3228.N1	25-JUN-2007 03:30:42	Bright	34.500	127	27Bet Her	2.7810	4700.0	69	27799	No
44	GOM_NL__2PRFIN20070625_033334_000000372059_00190_27799_3229.N1	25-JUN-2007 03:33:34	Bright	36.500	133	40Zet Her	2.8070	6000.0	73	27799	No
45	GOM_NL__2PRFIN20070625_034159_000000362059_00190_27799_3230.N1	25-JUN-2007 03:41:59	Bright	36.000	119	14Eta Dra	2.7270	4700.0	72	27799	No
46	GOM_NL__2PRFIN20070625_034547_000000322059_00190_27799_3231.N1	25-JUN-2007 03:45:47	Bright	31.500	60	7Bet UMi	2.0810	3950.0	63	27799	No
47	GOM_NL__2PRFIN20070625_035013_000000352059_00190_27799_3232.N1	25-JUN-2007 03:50:13	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	27799	No
48	GOM_NL__2PRFIN20070625_040032_000000542059_00190_27799_3233.N1	25-JUN-2007 04:00:32	Bright	54.000	160	23Gam Per	2.9300	4700.0	108	27799	No
49	GOM_NL__2PRFIN20070625_040417_000000362059_00190_27799_3234.N1	25-JUN-2007 04:04:17	Bright	35.500	79	26Bet Per	2.3100	13100.	71	27799	No
50	GOM_NL__2PRFIN20070625_041510_000000402059_00190_27799_3235.N1	25-JUN-2007 04:15:10	Dark	39.500	94	92Alp Cet	2.5260	3100.0	79	27799	No
51	GOM_NL__2PRFIN20070625_043318_000000392059_00191_27800_3236.N1	25-JUN-2007 04:33:18	Dark	39.000	9	Alp Eri	0.45300	24000.	78	27800	No
52	GOM_NL__2PRFIN20070625_044032_000000402059_00191_27800_3225.N1	25-JUN-2007 04:40:32	Straylight	40.000	148	Alp Tuc	2.8780	4100.0	80	27800	No
53	GOM_NL__2PRFIN20070625_044502_000000432059_00191_27800_3226.N1	25-JUN-2007 04:45:02	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	27800	No
54	GOM_NL__2PRFIN20070625_044922_000000392059_00191_27800_3227.N1	25-JUN-2007 04:49:22	Straylight	39.000	141	Bet Ara	2.8400	4600.0	78	27800	No
55	GOM_NL__2PRFIN20070625_045047_000000372059_00191_27800_3228.N1	25-JUN-2007 04:50:47	Straylight	36.500	147	Alp Ara	2.8770	26000.	73	27800	No
56	GOM_NL__2PRFIN20070625_045234_000000432059_00191_27800_3229.N1	25-JUN-2007 04:52:34	Twi_and_stray	43.000	40	The Sco	1.8590	7100.0	86	27800	No
57	GOM_NL__2PRFIN20070625_045415_000000412059_00191_27800_3230.N1	25-JUN-2007 04:54:15	Twi_and_stray	41.000	25	35Lam Sco	1.6200	28000.	82	27800	No
58	GOM_NL__2PRFIN20070625_045540_000000542059_00191_27800_3231.N1	25-JUN-2007 04:55:40	Bright	54.000	167	10Gam2Sgr	2.9840	4500.0	108	27800	No
59	GOM_NL__2PRFIN20070625_045724_000000352059_00191_27800_3232.N1	25-JUN-2007 04:57:24	Bright	35.000	136	23Tau Sco	2.8220	30000.	70	27800	No
60	GOM_NL__2PRFIN20070625_050033_000000382059_00191_27800_3233.N1	25-JUN-2007 05:00:33	Bright	37.500	86	35Eta Oph	2.4300	10200.	75	27800	No
61	GOM_NL__2PRFIN20070625_050217_000000362059_00191_27800_3234.N1	25-JUN-2007 05:02:17	Bright	36.000	98	13Zet Oph	2.5710	30000.	72	27800	No
62	GOM_NL__2PRFIN20070625_050424_000000362059_00191_27800_3235.N1	25-JUN-2007 05:04:24	Bright	36.000	120	1Del Oph	2.7340	3200.0	72	27800	No
63	GOM_NL__2PRFIN20070625_051118_000000362059_00191_27800_3236.N1	25-JUN-2007 05:11:18	Bright	36.000	127	27Bet Her	2.7810	4700.0	72	27800	No
64	GOM_NL__2PRFIN20070625_051410_000000362059_00191_27800_3237.N1	25-JUN-2007 05:14:10	Bright	36.000	133	40Zet Her	2.8070	6000.0	72	27800	No
65	GOM_NL__2PRFIN20070625_052235_000000352059_00191_27800_3238.N1	25-JUN-2007 05:22:35	Bright	35.000	119	14Eta Dra	2.7270	4700.0	70	27800	No
66	GOM_NL__2PRFIN20070625_052624_000000372059_00191_27800_3239.N1	25-JUN-2007 05:26:24	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	27800	No
67	GOM_NL__2PRFIN20070625_053049_000000342059_00191_27800_3240.N1	25-JUN-2007 05:30:49	Bright	33.500	49	1Alp UMi	1.9900	6300.0	67	27800	No
68	GOM_NL__2PRFIN20070625_054108_000000352059_00191_27800_3241.N1	25-JUN-2007 05:41:08	Bright	34.500	160	23Gam Per	2.9300	4700.0	69	27800	No
69	GOM_NL__2PRFIN20070625_054453_000000392059_00191_27800_3242.N1	25-JUN-2007 05:44:53	Bright	38.500	79	26Bet Per	2.3100	13100.	77	27800	No
70	GOM_NL__2PRFIN20070625_055547_000000402059_00191_27800_3243.N1	25-JUN-2007 05:55:47	Dark	40.000	94	92Alp Cet	2.5260	3100.0	80	27800	No
71	GOM_NL__2PRFIN20070625_062109_000000402059_00192_27801_3250.N1	25-JUN-2007 06:21:09	Straylight	39.500	148	Alp Tuc	2.8780	4100.0	79	27801	No
72	GOM_NL__2PRFIN20070625_062539_000000422059_00192_27801_3251.N1	25-JUN-2007 06:25:39	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	27801	No
73	GOM_NL__2PRFIN20070625_062958_000000382059_00192_27801_3252.N1	25-JUN-2007 06:29:58	Straylight	38.000	141	Bet Ara	2.8400	4600.0	76	27801	No
74	GOM_NL__2PRFIN20070625_063123_000000402059_00192_27801_3253.N1	25-JUN-2007 06:31:23	Straylight	40.000	147	Alp Ara	2.8770	26000.	80	27801	No
75	GOM_NL__2PRFIN20070625_063310_000000432059_00192_27801_3254.N1	25-JUN-2007 06:33:10	Twi_and_stray	43.000	40	The Sco	1.8590	7100.0	86	27801	No
76	GOM_NL__2PRFIN20070625_063451_000000422059_00192_27801_3255.N1	25-JUN-2007 06:34:51	Twi_and_stray	42.000	25	35Lam Sco	1.6200	28000.	84	27801	No
77	GOM_NL__2PRFIN20070625_063616_000000562059_00192_27801_3256.N1	25-JUN-2007 06:36:16	Bright	56.000	167	10Gam2Sgr	2.9840	4500.0	112	27801	No
78	GOM_NL__2PRFIN20070625_063800_000000362059_00192_27801_3257.N1	25-JUN-2007 06:38:00	Bright	36.000	136	23Tau Sco	2.8220	30000.	72	27801	No
79	GOM_NL__2PRFIN20070625_064109_000000372059_00192_27801_3258.N1	25-JUN-2007 06:41:09	Bright	37.000	86	35Eta Oph	2.4300	10200.	74	27801	No
80	GOM_NL__2PRFIN20070625_064253_000000362059_00192_27801_3259.N1	25-JUN-2007 06:42:53	Bright	35.500	98	13Zet Oph	2.5710	30000.	71	27801	No
81	GOM_NL__2PRFIN20070625_064501_000000362059_00192_27801_3260.N1	25-JUN-2007 06:45:01	Bright	36.000	120	1Del Oph	2.7340	3200.0	72	27801	No
82	GOM_NL__2PRFIN20070625_065155_000000352059_00192_27801_3261.N1	25-JUN-2007 06:51:55	Bright	35.000	127	27Bet Her	2.7810	4700.0	70	27801	No
83	GOM_NL__2PRFIN20070625_065446_000000362059_00192_27801_3262.N1	25-JUN-2007 06:54:46	Bright	36.000	133	40Zet Her	2.8070	6000.0	72	27801	No
84	GOM_NL__2PRFIN20070625_070311_000000412059_00192_27801_3263.N1	25-JUN-2007 07:03:11	Bright	41.000	119	14Eta Dra	2.7270	4700.0	82	27801	No
85	GOM_NL__2PRFIN20070625_070700_000000342059_00192_27801_3264.N1	25-JUN-2007 07:07:00	Bright	34.000	60	7Bet UMi	2.0810	3950.0	68	27801	No
86	GOM_NL__2PRFIN20070625_071125_000000342059_00192_27801_3265.N1	25-JUN-2007 07:11:25	Bright	34.000	49	1Alp UMi	1.9900	6300.0	68	27801	No
87	GOM_NL__2PRFIN20070625_072145_000000542059_00192_27801_3266.N1	25-JUN-2007 07:21:45	Bright	54.000	160	23Gam Per	2.9300	4700.0	108	27801	No
88	GOM_NL__2PRFIN20070625_072529_000000382059_00192_27801_3267.N1	25-JUN-2007 07:25:29	Bright	38.000	79	26Bet Per	2.3100	13100.	76	27801	No
89	GOM_NL__2PRFIN20070625_073623_000000412059_00192_27801_3268.N1	25-JUN-2007 07:36:23	Dark	40.500	94	92Alp Cet	2.5260	3100.0	81	27801	No
90	GOM_NL__2PRFIN20070625_080145_000000392059_00193_27802_3278.N1	25-JUN-2007 08:01:45	Straylight	39.000	148	Alp Tuc	2.8780	4100.0	78	27802	No
91	GOM_NL__2PRFIN20070625_080615_000000412059_00193_27802_3279.N1	25-JUN-2007 08:06:15	Straylight	41.000	45	Alp Pav	1.9400	26000.	82	27802	No
92	GOM_NL__2PRFIN20070625_081034_000000392059_00193_27802_3280.N1	25-JUN-2007 08:10:34	Straylight	38.500	141	Bet Ara	2.8400	4600.0	77	27802	No
93	GOM_NL__2PRFIN20070625_081200_000000372059_00193_27802_3281.N1	25-JUN-2007 08:12:00	Straylight	37.000	147	Alp Ara	2.8770	26000.	74	27802	No
94	GOM_NL__2PRFIN20070625_081346_000000422059_00193_27802_3282.N1	25-JUN-2007 08:13:46	Twi_and_stray	42.000	40	The Sco	1.8590	7100.0	84	27802	No
95	GOM_NL__2PRFIN20070625_081527_000000422059_00193_27802_3283.N1	25-JUN-2007 08:15:27	Twi_and_stray	42.000	25	35Lam Sco	1.6200	28000.	84	27802	No
96	GOM_NL__2PRFIN20070625_081652_000000432059_00193_27802_3284.N1	25-JUN-2007 08:16:52	Bright	42.500	167	10Gam2Sgr	2.9840	4500.0	85	27802	No
97	GOM_NL__2PRFIN20070625_081836_000000352059_00193_27802_3285.N1	25-JUN-2007 08:18:36	Bright	35.000	136	23Tau Sco	2.8220	30000.	70	27802	No
98	GOM_NL__2PRFIN20070625_082146_000000372059_00193_27802_3286.N1	25-JUN-2007 08:21:46	Bright	36.500	86	35Eta Oph	2.4300	10200.	73	27802	No
99	GOM_NL__2PRFIN20070625_082329_000000362059_00193_27802_3287.N1	25-JUN-2007 08:23:29	Bright	36.000	98	13Zet Oph	2.5710	30000.	72	27802	No
100	GOM_NL__2PRFIN20070625_082537_000000362059_00193_27802_3288.N1	25-JUN-2007 08:25:37	Bright	36.000	120	1Del Oph	2.7340	3200.0	72	27802	No
101	GOM_NL__2PRFIN20070625_083230_000000342059_00193_27802_3289.N1	25-JUN-2007 08:32:30	Bright	34.000	127	27Bet Her	2.7810	4700.0	68	27802	No

102	GOM_NL__2PRFIN20070625_083521_000000362059_00193_27802_3290.N1	25-JUN-2007 08:35:21	Bright	36.000	133	40Zet Her	2.8070	6000.0	72	27802	No
103	GOM_NL__2PRFIN20070625_084347_000000362059_00193_27802_3291.N1	25-JUN-2007 08:43:47	Bright	36.000	119	14Eta Dra	2.7270	4700.0	72	27802	No
104	GOM_NL__2PRFIN20070625_084736_000000352059_00193_27802_3292.N1	25-JUN-2007 08:47:36	Bright	34.500	60	7Bet UMi	2.0810	3950.0	69	27802	No
105	GOM_NL__2PRFIN20070625_085201_000000352059_00193_27802_3293.N1	25-JUN-2007 08:52:01	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	27802	No
106	GOM_NL__2PRFIN20070625_090220_000000542059_00193_27802_3294.N1	25-JUN-2007 09:02:20	Bright	54.000	160	23Gam Per	2.9300	4700.0	108	27802	No
107	GOM_NL__2PRFIN20070625_090605_000000372059_00193_27802_3295.N1	25-JUN-2007 09:06:05	Bright	37.000	79	26Bet Per	2.3100	13100.	74	27802	No
108	GOM_NL__2PRFIN20070625_091659_000000362059_00193_27802_3296.N1	25-JUN-2007 09:16:59	Dark	36.000	94	92Alp Cet	2.5260	3100.0	72	27802	No
109	GOM_NL__2PRFIN20070625_093507_000000492059_00194_27803_3297.N1	25-JUN-2007 09:35:07	Dark	49.000	9	Alp Eri	0.45300	24000.	98	27803	No
110	GOM_NL__2PRFIN20070625_094222_000000432059_00194_27803_3289.N1	25-JUN-2007 09:42:22	Straylight	43.000	148	Alp Tuc	2.8780	4100.0	86	27803	No
111	GOM_NL__2PRFIN20070625_094652_000000432059_00194_27803_3290.N1	25-JUN-2007 09:46:52	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	27803	No
112	GOM_NL__2PRFIN20070625_095110_000000402059_00194_27803_3291.N1	25-JUN-2007 09:51:10	Straylight	39.500	141	Bet Ara	2.8400	4600.0	79	27803	No
113	GOM_NL__2PRFIN20070625_095236_000000392059_00194_27803_3292.N1	25-JUN-2007 09:52:36	Straylight	38.500	147	Alp Ara	2.8770	26000.	77	27803	No
114	GOM_NL__2PRFIN20070625_095422_000000412059_00194_27803_3293.N1	25-JUN-2007 09:54:22	Twi_and_stray	40.500	40	The Sco	1.8590	7100.0	81	27803	No
115	GOM_NL__2PRFIN20070625_095603_000000392059_00194_27803_3294.N1	25-JUN-2007 09:56:03	Twi_and_stray	39.000	25	35Lam Sco	1.6200	28000.	78	27803	No
116	GOM_NL__2PRFIN20070625_095729_000000472059_00194_27803_3295.N1	25-JUN-2007 09:57:29	Bright	47.000	167	10Gam2Sgr	2.9840	4500.0	94	27803	No
117	GOM_NL__2PRFIN20070625_095912_000000362059_00194_27803_3296.N1	25-JUN-2007 09:59:12	Bright	36.000	136	23Tau Sco	2.8220	30000.	72	27803	No
118	GOM_NL__2PRFIN20070625_100222_000000372059_00194_27803_3297.N1	25-JUN-2007 10:02:22	Bright	36.500	86	35Eta Oph	2.4300	10200.	73	27803	No
119	GOM_NL__2PRFIN20070625_100405_000000352059_00194_27803_3298.N1	25-JUN-2007 10:04:05	Bright	35.000	98	13Zet Oph	2.5710	30000.	70	27803	No
120	GOM_NL__2PRFIN20070625_100613_000000352059_00194_27803_3299.N1	25-JUN-2007 10:06:13	Bright	34.500	120	1Del Oph	2.7340	3200.0	69	27803	No
121	GOM_NL__2PRFIN20070625_101307_000000352059_00194_27803_3300.N1	25-JUN-2007 10:13:07	Bright	35.000	127	27Bet Her	2.7810	4700.0	70	27803	No
122	GOM_NL__2PRFIN20070625_101557_000000372059_00194_27803_3301.N1	25-JUN-2007 10:15:57	Bright	36.500	133	40Zet Her	2.8070	6000.0	73	27803	No
123	GOM_NL__2PRFIN20070625_102423_000000372059_00194_27803_3302.N1	25-JUN-2007 10:24:23	Bright	36.500	119	14Eta Dra	2.7270	4700.0	73	27803	No
124	GOM_NL__2PRFIN20070625_102812_000000362059_00194_27803_3303.N1	25-JUN-2007 10:28:12	Bright	35.500	60	7Bet UMi	2.0810	3950.0	71	27803	No
125	GOM_NL__2PRFIN20070625_103237_000000362059_00194_27803_3304.N1	25-JUN-2007 10:32:37	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	27803	No
126	GOM_NL__2PRFIN20070625_104256_000000542059_00194_27803_3305.N1	25-JUN-2007 10:42:56	Bright	54.000	160	23Gam Per	2.9300	4700.0	108	27803	No
127	GOM_NL__2PRFIN20070625_104641_000000372059_00194_27803_3306.N1	25-JUN-2007 10:46:41	Bright	36.500	79	26Bet Per	2.3100	13100.	73	27803	No
128	GOM_NL__2PRFIN20070625_105735_000000372059_00194_27803_3307.N1	25-JUN-2007 10:57:35	Dark	36.500	94	92Alp Cet	2.5260	3100.0	73	27803	No
129	GOM_NL__2PRFIN20070625_111543_000000392059_00195_27804_3308.N1	25-JUN-2007 11:15:43	Dark	39.000	9	Alp Eri	0.45300	24000.	78	27804	No
130	GOM_NL__2PRFIN20070625_112258_000000422059_00195_27804_3304.N1	25-JUN-2007 11:22:58	Straylight	42.000	148	Alp Tuc	2.8780	4100.0	84	27804	No
131	GOM_NL__2PRFIN20070625_112728_000000432059_00195_27804_3305.N1	25-JUN-2007 11:27:28	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	27804	No
132	GOM_NL__2PRFIN20070625_113146_000000402059_00195_27804_3306.N1	25-JUN-2007 11:31:46	Straylight	40.000	141	Bet Ara	2.8400	4600.0	80	27804	No
133	GOM_NL__2PRFIN20070625_113312_000000392059_00195_27804_3307.N1	25-JUN-2007 11:33:12	Straylight	38.500	147	Alp Ara	2.8770	26000.	77	27804	No
134	GOM_NL__2PRFIN20070625_113459_000000432059_00195_27804_3308.N1	25-JUN-2007 11:34:59	Twi_and_stray	43.000	40	The Sco	1.8590	7100.0	86	27804	No
135	GOM_NL__2PRFIN20070625_113639_000000412059_00195_27804_3309.N1	25-JUN-2007 11:36:39	Twi_and_stray	40.500	25	35Lam Sco	1.6200	28000.	81	27804	No
136	GOM_NL__2PRFIN20070625_113805_000000462059_00195_27804_3310.N1	25-JUN-2007 11:38:05	Bright	46.000	167	10Gam2Sgr	2.9840	4500.0	92	27804	No
137	GOM_NL__2PRFIN20070625_113948_000000352059_00195_27804_3311.N1	25-JUN-2007 11:39:48	Bright	35.000	136	23Tau Sco	2.8220	30000.	70	27804	No
138	GOM_NL__2PRFIN20070625_114257_000000372059_00195_27804_3312.N1	25-JUN-2007 11:42:57	Bright	37.000	86	35Eta Oph	2.4300	10200.	74	27804	No
139	GOM_NL__2PRFIN20070625_114441_000000362059_00195_27804_3313.N1	25-JUN-2007 11:44:41	Bright	36.000	98	13Zet Oph	2.5710	30000.	72	27804	No
140	GOM_NL__2PRFIN20070625_114649_000000362059_00195_27804_3314.N1	25-JUN-2007 11:46:49	Bright	36.000	120	1Del Oph	2.7340	3200.0	72	27804	No
141	GOM_NL__2PRFIN20070625_115342_000000362059_00195_27804_3315.N1	25-JUN-2007 11:53:42	Bright	36.000	127	27Bet Her	2.7810	4700.0	72	27804	No
142	GOM_NL__2PRFIN20070625_115633_000000372059_00195_27804_3316.N1	25-JUN-2007 11:56:33	Bright	37.000	133	40Zet Her	2.8070	6000.0	74	27804	No
143	GOM_NL__2PRFIN20070625_120459_000000362059_00195_27804_3317.N1	25-JUN-2007 12:04:59	Bright	35.500	119	14Eta Dra	2.7270	4700.0	71	27804	No
144	GOM_NL__2PRFIN20070625_120848_000000362059_00195_27804_3318.N1	25-JUN-2007 12:08:48	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	27804	No
145	GOM_NL__2PRFIN20070625_121313_000000362059_00195_27804_3319.N1	25-JUN-2007 12:13:13	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	27804	No
146	GOM_NL__2PRFIN20070625_122332_000000352059_00195_27804_3320.N1	25-JUN-2007 12:23:32	Bright	34.500	160	23Gam Per	2.9300	4700.0	69	27804	No
147	GOM_NL__2PRFIN20070625_122716_000000372059_00195_27804_3321.N1	25-JUN-2007 12:27:16	Bright	36.500	79	26Bet Per	2.3100	13100.	73	27804	No
148	GOM_NL__2PRFIN20070625_123812_000000452059_00195_27804_3322.N1	25-JUN-2007 12:38:12	Dark	44.500	94	92Alp Cet	2.5260	3100.0	89	27804	No
149	GOM_NL__2PRFIN20070625_125619_000000462059_00196_27805_3323.N1	25-JUN-2007 12:56:19	Dark	46.000	9	Alp Eri	0.45300	24000.	92	27805	No
150	GOM_NL__2PRFIN20070625_130335_000000432059_00196_27805_3321.N1	25-JUN-2007 13:03:35	Straylight	42.500	148	Alp Tuc	2.8780	4100.0	85	27805	No
151	GOM_NL__2PRFIN20070625_130805_000000412059_00196_27805_3322.N1	25-JUN-2007 13:08:05	Straylight	40.500	45	Alp Pav	1.9400	26000.	81	27805	No
152	GOM_NL__2PRFIN20070625_131222_000000432059_00196_27805_3323.N1	25-JUN-2007 13:12:22	Straylight	42.500	141	Bet Ara	2.8400	4600.0	85	27805	No
153	GOM_NL__2PRFIN20070625_131348_000000372059_00196_27805_3324.N1	25-JUN-2007 13:13:48	Straylight	36.500	147	Alp Ara	2.8770	26000.	73	27805	No
154	GOM_NL__2PRFIN20070625_131535_000000412059_00196_27805_3325.N1	25-JUN-2007 13:15:35	Twi_and_stray	40.500	40	The Sco	1.8590	7100.0	81	27805	No
155	GOM_NL__2PRFIN20070625_131715_000000402059_00196_27805_3326.N1	25-JUN-2007 13:17:15	Twi_and_stray	40.000	25	35Lam Sco	1.6200	28000.	80	27805	No
156	GOM_NL__2PRFIN20070625_131841_000000462059_00196_27805_3327.N1	25-JUN-2007 13:18:41	Bright	45.500	167	10Gam2Sgr	2.9840	4500.0	91	27805	No
157	GOM_NL__2PRFIN20070625_132024_000000362059_00196_27805_3328.N1	25-JUN-2007 13:20:24	Bright	36.000	136	23Tau Sco	2.8220	30000.	72	27805	No
158	GOM_NL__2PRFIN20070625_132334_000000372059_00196_27805_3329.N1	25-JUN-2007 13:23:34	Bright	37.000	86	35Eta Oph	2.4300	10200.	74	27805	No
159	GOM_NL__2PRFIN20070625_132517_000000362059_00196_27805_3330.N1	25-JUN-2007 13:25:17	Bright	35.500	98	13Zet Oph	2.5710	30000.	71	27805	No
160	GOM_NL__2PRFIN20070625_132725_000000372059_00196_27805_3331.N1	25-JUN-2007 13:27:25	Bright	36.500	120	1Del Oph	2.7340	3200.0	73	27805	No

161	GOM_NL__2PRFIN20070625_133418_000000342059_00196_27805_3332.N1	25-JUN-2007 13:34:18	Bright	34.000	127	27Bet Her	2.7810	4700.0	68	27805	No
162	GOM_NL__2PRFIN20070625_133709_000000362059_00196_27805_3333.N1	25-JUN-2007 13:37:09	Bright	36.000	133	40Zet Her	2.8070	6000.0	72	27805	No
163	GOM_NL__2PRFIN20070625_134535_000000352059_00196_27805_3334.N1	25-JUN-2007 13:45:35	Bright	35.000	119	14Eta Dra	2.7270	4700.0	70	27805	No
164	GOM_NL__2PRFIN20070625_134924_000000352059_00196_27805_3335.N1	25-JUN-2007 13:49:24	Bright	35.000	60	7Bet UMi	2.0810	3950.0	70	27805	No
165	GOM_NL__2PRFIN20070625_135349_000000332059_00196_27805_3336.N1	25-JUN-2007 13:53:49	Bright	33.000	49	1Alp UMi	1.9900	6300.0	66	27805	No
166	GOM_NL__2PRFIN20070625_140408_000000542059_00196_27805_3337.N1	25-JUN-2007 14:04:08	Bright	54.000	160	23Gam Per	2.9300	4700.0	108	27805	No
167	GOM_NL__2PRFIN20070625_140753_000000362059_00196_27805_3338.N1	25-JUN-2007 14:07:53	Bright	36.000	79	26Bet Per	2.3100	13100.	72	27805	No
168	GOM_NL__2PRFIN20070625_141848_000000432059_00196_27805_3339.N1	25-JUN-2007 14:18:48	Dark	43.000	94	92Alp Cet	2.5260	3100.0	86	27805	No
169	GOM_NL__2PRFIN20070625_143656_000000492059_00197_27806_3340.N1	25-JUN-2007 14:36:56	Dark	48.500	9	Alp Eri	0.45300	24000.	97	27806	No
170	GOM_NL__2PRFIN20070625_144412_000000422059_00197_27806_3334.N1	25-JUN-2007 14:44:12	Straylight	42.000	148	Alp Tuc	2.8780	4100.0	84	27806	No
171	GOM_NL__2PRFIN20070625_144841_000000412059_00197_27806_3335.N1	25-JUN-2007 14:48:41	Straylight	40.500	45	Alp Pav	1.9400	26000.	81	27806	No
172	GOM_NL__2PRFIN20070625_145259_000000382059_00197_27806_3336.N1	25-JUN-2007 14:52:59	Straylight	38.000	141	Bet Ara	2.8400	4600.0	76	27806	No
173	GOM_NL__2PRFIN20070625_145424_000000362059_00197_27806_3337.N1	25-JUN-2007 14:54:24	Straylight	36.000	147	Alp Ara	2.8770	26000.	72	27806	No
174	GOM_NL__2PRFIN20070625_145611_000000422059_00197_27806_3338.N1	25-JUN-2007 14:56:11	Twi_and_stray	41.500	40	The Sco	1.8590	7100.0	83	27806	No
175	GOM_NL__2PRFIN20070625_145752_000000392059_00197_27806_3339.N1	25-JUN-2007 14:57:52	Twi_and_stray	39.000	25	35Lam Sco	1.6200	28000.	78	27806	No
176	GOM_NL__2PRFIN20070625_145914_000000272059_00197_27806_3340.N1	25-JUN-2007 14:59:14	Twi_and_stray	26.500	116	19Del Sgr	2.7000	4100.0	53	27806	No
177	GOM_NL__2PRFIN20070625_150101_000000352059_00197_27806_3341.N1	25-JUN-2007 15:01:01	Bright	35.000	136	23Tau Sco	2.8220	30000.	70	27806	No
178	GOM_NL__2PRFIN20070625_150410_000000372059_00197_27806_3342.N1	25-JUN-2007 15:04:10	Bright	37.000	86	35Eta Oph	2.4300	10200.	74	27806	No
179	GOM_NL__2PRFIN20070625_150554_000000362059_00197_27806_3343.N1	25-JUN-2007 15:05:54	Bright	35.500	98	13Zet Oph	2.5710	30000.	71	27806	No
180	GOM_NL__2PRFIN20070625_150801_000000362059_00197_27806_3344.N1	25-JUN-2007 15:08:01	Bright	36.000	120	1Del Oph	2.7340	3200.0	72	27806	No
181	GOM_NL__2PRFIN20070625_151454_000000342059_00197_27806_3345.N1	25-JUN-2007 15:14:54	Bright	34.000	127	27Bet Her	2.7810	4700.0	68	27806	No
182	GOM_NL__2PRFIN20070625_151745_000000372059_00197_27806_3346.N1	25-JUN-2007 15:17:45	Bright	36.500	133	40Zet Her	2.8070	6000.0	73	27806	No
183	GOM_NL__2PRFIN20070625_152405_000000292059_00197_27806_3347.N1	25-JUN-2007 15:24:05	Bright	29.000	130	23Bet Dra	2.7990	5800.0	58	27806	No
184	GOM_NL__2PRFIN20070625_152611_000000352059_00197_27806_3348.N1	25-JUN-2007 15:26:11	Bright	35.000	119	14Eta Dra	2.7270	4700.0	70	27806	No
185	GOM_NL__2PRFIN20070625_153000_000000382059_00197_27806_3349.N1	25-JUN-2007 15:30:00	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	27806	No
186	GOM_NL__2PRFIN20070625_153425_000000362059_00197_27806_3350.N1	25-JUN-2007 15:34:25	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	27806	No
187	GOM_NL__2PRFIN20070625_154444_000000352059_00197_27806_3351.N1	25-JUN-2007 15:44:44	Bright	34.500	160	23Gam Per	2.9300	4700.0	69	27806	No
188	GOM_NL__2PRFIN20070625_154829_000000532059_00197_27806_3352.N1	25-JUN-2007 15:48:29	Bright	52.500	79	26Bet Per	2.3100	13100.	105	27806	No
189	GOM_NL__2PRFIN20070625_155924_000000502059_00197_27806_3353.N1	25-JUN-2007 15:59:24	Dark	50.000	94	92Alp Cet	2.5260	3100.0	100	27806	No
190	GOM_NL__2PRFIN20070625_161732_000000402059_00198_27807_3354.N1	25-JUN-2007 16:17:32	Dark	39.500	9	Alp Eri	0.45300	24000.	79	27807	No
191	GOM_NL__2PRFIN20070625_162448_000000442059_00198_27807_3400.N1	25-JUN-2007 16:24:48	Straylight	44.000	148	Alp Tuc	2.8780	4100.0	88	27807	No
192	GOM_NL__2PRFIN20070625_162918_000000442059_00198_27807_3401.N1	25-JUN-2007 16:29:18	Straylight	44.000	45	Alp Pav	1.9400	26000.	88	27807	No
193	GOM_NL__2PRFIN20070625_163335_000000392059_00198_27807_3402.N1	25-JUN-2007 16:33:35	Straylight	38.500	141	Bet Ara	2.8400	4600.0	77	27807	No
194	GOM_NL__2PRFIN20070625_163500_000000382059_00198_27807_3403.N1	25-JUN-2007 16:35:00	Straylight	37.500	147	Alp Ara	2.8770	26000.	75	27807	No
195	GOM_NL__2PRFIN20070625_163647_000000452059_00198_27807_3404.N1	25-JUN-2007 16:36:47	Twi_and_stray	44.500	40	The Sco	1.8590	7100.0	89	27807	No
196	GOM_NL__2PRFIN20070625_163828_000000412059_00198_27807_3405.N1	25-JUN-2007 16:38:28	Twi_and_stray	41.000	25	35Lam Sco	1.6200	28000.	82	27807	No
197	GOM_NL__2PRFIN20070625_163950_000000272059_00198_27807_3406.N1	25-JUN-2007 16:39:50	Twi_and_stray	27.000	116	19Del Sgr	2.7000	4100.0	54	27807	No
198	GOM_NL__2PRFIN20070625_164137_000000372059_00198_27807_3407.N1	25-JUN-2007 16:41:37	Bright	36.500	136	23Tau Sco	2.8220	30000.	73	27807	No
199	GOM_NL__2PRFIN20070625_164446_000000362059_00198_27807_3408.N1	25-JUN-2007 16:44:46	Bright	36.000	86	35Eta Oph	2.4300	10200.	72	27807	No
200	GOM_NL__2PRFIN20070625_164630_000000362059_00198_27807_3409.N1	25-JUN-2007 16:46:30	Bright	35.500	98	13Zet Oph	2.5710	30000.	71	27807	No
201	GOM_NL__2PRFIN20070625_164837_000000372059_00198_27807_3410.N1	25-JUN-2007 16:48:37	Bright	36.500	120	1Del Oph	2.7340	3200.0	73	27807	No
202	GOM_NL__2PRFIN20070625_165530_000000362059_00198_27807_3411.N1	25-JUN-2007 16:55:30	Bright	35.500	127	27Bet Her	2.7810	4700.0	71	27807	No
203	GOM_NL__2PRFIN20070625_165821_000000362059_00198_27807_3412.N1	25-JUN-2007 16:58:21	Bright	36.000	133	40Zet Her	2.8070	6000.0	72	27807	No
204	GOM_NL__2PRFIN20070625_170440_000000292059_00198_27807_3413.N1	25-JUN-2007 17:04:40	Bright	29.000	130	23Bet Dra	2.7990	5800.0	58	27807	No
205	GOM_NL__2PRFIN20070625_170647_000000372059_00198_27807_3414.N1	25-JUN-2007 17:06:47	Bright	36.500	119	14Eta Dra	2.7270	4700.0	73	27807	No
206	GOM_NL__2PRFIN20070625_171036_000000362059_00198_27807_3415.N1	25-JUN-2007 17:10:36	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	27807	No
207	GOM_NL__2PRFIN20070625_171501_000000362059_00198_27807_3416.N1	25-JUN-2007 17:15:01	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	27807	No
208	GOM_NL__2PRFIN20070625_172520_000000362059_00198_27807_3417.N1	25-JUN-2007 17:25:20	Bright	35.500	160	23Gam Per	2.9300	4700.0	71	27807	No
209	GOM_NL__2PRFIN20070625_172905_000000502059_00198_27807_3418.N1	25-JUN-2007 17:29:05	Bright	49.500	79	26Bet Per	2.3100	13100.	99	27807	No
210	GOM_NL__2PRFIN20070625_174001_000000452059_00198_27807_3419.N1	25-JUN-2007 17:40:01	Dark	44.500	94	92Alp Cet	2.5260	3100.0	89	27807	No
211	GOM_NL__2PRFIN20070625_175809_000000402059_00199_27808_3420.N1	25-JUN-2007 17:58:09	Dark	39.500	9	Alp Eri	0.45300	24000.	79	27808	No
212	GOM_NL__2PRFIN20070625_180525_000000472059_00199_27808_3428.N1	25-JUN-2007 18:05:25	Straylight	47.000	148	Alp Tuc	2.8780	4100.0	94	27808	No
213	GOM_NL__2PRFIN20070625_180954_000000412059_00199_27808_3429.N1	25-JUN-2007 18:09:54	Straylight	40.500	45	Alp Pav	1.9400	26000.	81	27808	No
214	GOM_NL__2PRFIN20070625_181411_000000472059_00199_27808_3430.N1	25-JUN-2007 18:14:11	Straylight	46.500	141	Bet Ara	2.8400	4600.0	93	27808	No
215	GOM_NL__2PRFIN20070625_181537_000000382059_00199_27808_3431.N1	25-JUN-2007 18:15:37	Straylight	37.500	147	Alp Ara	2.8770	26000.	75	27808	No
216	GOM_NL__2PRFIN20070625_181723_000000432059_00199_27808_3432.N1	25-JUN-2007 18:17:23	Twi_and_stray	42.500	40	The Sco	1.8590	7100.0	85	27808	No
217	GOM_NL__2PRFIN20070625_181904_000000412059_00199_27808_3433.N1	25-JUN-2007 18:19:04	Twi_and_stray	41.000	25	35Lam Sco	1.6200	28000.	82	27808	No
218	GOM_NL__2PRFIN20070625_182026_000000342059_00199_27808_3434.N1	25-JUN-2007 18:20:26	Bright	34.000	116	19Del Sgr	2.7000	4100.0	68	27808	No
219	GOM_NL__2PRFIN20070625_182213_000000362059_00199_27808_3435.N1	25-JUN-2007 18:22:13	Bright	35.500	136	23Tau Sco	2.8220	30000.	71	27808	No

220	GOM_NL__2PRFIN20070625_182522_000000362059_00199_27808_3436.N1	25-JUN-2007 18:25:22	Bright	36.000	86	35Eta Oph	2.4300	10200.	72	27808	No
221	GOM_NL__2PRFIN20070625_182706_000000362059_00199_27808_3437.N1	25-JUN-2007 18:27:06	Bright	35.500	98	13Zet Oph	2.5710	30000.	71	27808	No
222	GOM_NL__2PRFIN20070625_182913_000000372059_00199_27808_3438.N1	25-JUN-2007 18:29:13	Bright	36.500	120	1Del Oph	2.7340	3200.0	73	27808	No
223	GOM_NL__2PRFIN20070625_183606_000000382059_00199_27808_3439.N1	25-JUN-2007 18:36:06	Bright	37.500	127	27Bet Her	2.7810	4700.0	75	27808	No
224	GOM_NL__2PRFIN20070625_183857_000000352059_00199_27808_3440.N1	25-JUN-2007 18:38:57	Bright	35.000	133	40Zet Her	2.8070	6000.0	70	27808	No
225	GOM_NL__2PRFIN20070625_184516_000000372059_00199_27808_3441.N1	25-JUN-2007 18:45:16	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	27808	No
226	GOM_NL__2PRFIN20070625_184722_000000372059_00199_27808_3442.N1	25-JUN-2007 18:47:22	Bright	36.500	119	14Eta Dra	2.7270	4700.0	73	27808	No
227	GOM_NL__2PRFIN20070625_185112_000000362059_00199_27808_3443.N1	25-JUN-2007 18:51:12	Bright	35.500	60	7Bet UMi	2.0810	3950.0	71	27808	No
228	GOM_NL__2PRFIN20070625_185537_000000362059_00199_27808_3444.N1	25-JUN-2007 18:55:37	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	27808	No
229	GOM_NL__2PRFIN20070625_190556_000000542059_00199_27808_3445.N1	25-JUN-2007 19:05:56	Bright	54.000	160	23Gam Per	2.9300	4700.0	108	27808	No
230	GOM_NL__2PRFIN20070625_190941_000000372059_00199_27808_3446.N1	25-JUN-2007 19:09:41	Bright	36.500	79	26Bet Per	2.3100	13100.	73	27808	No
231	GOM_NL__2PRFIN20070625_192037_000000482059_00199_27808_3447.N1	25-JUN-2007 19:20:37	Dark	48.000	94	92Alp Cet	2.5260	3100.0	96	27808	No
232	GOM_NL__2PRFIN20070625_193845_000000502059_00200_27809_3448.N1	25-JUN-2007 19:38:45	Dark	50.000	9	Alp Eri	0.45300	24000.	100	27809	No
233	GOM_NL__2PRFIN20070625_194601_000000432059_00200_27809_3446.N1	25-JUN-2007 19:46:01	Straylight	42.500	148	Alp Tuc	2.8780	4100.0	85	27809	No
234	GOM_NL__2PRFIN20070625_195031_000000412059_00200_27809_3447.N1	25-JUN-2007 19:50:31	Straylight	40.500	45	Alp Pav	1.9400	26000.	81	27809	No
235	GOM_NL__2PRFIN20070625_195447_000000472059_00200_27809_3448.N1	25-JUN-2007 19:54:47	Straylight	47.000	141	Bet Ara	2.8400	4600.0	94	27809	No
236	GOM_NL__2PRFIN20070625_195613_000000372059_00200_27809_3449.N1	25-JUN-2007 19:56:13	Straylight	36.500	147	Alp Ara	2.8770	26000.	73	27809	No
237	GOM_NL__2PRFIN20070625_195800_000000392059_00200_27809_3450.N1	25-JUN-2007 19:58:00	Twi_and_stray	38.500	40	The Sco	1.8590	7100.0	77	27809	No
238	GOM_NL__2PRFIN20070625_195940_000000392059_00200_27809_3451.N1	25-JUN-2007 19:59:40	Twi_and_stray	39.000	25	35Lam Sco	1.6200	28000.	78	27809	No
239	GOM_NL__2PRFIN20070625_200102_000000342059_00200_27809_3452.N1	25-JUN-2007 20:01:02	Bright	34.000	116	19Del Sgr	2.7000	4100.0	68	27809	No
240	GOM_NL__2PRFIN20070625_200249_000000352059_00200_27809_3453.N1	25-JUN-2007 20:02:49	Bright	35.000	136	23Tau Sco	2.8220	30000.	70	27809	No
241	GOM_NL__2PRFIN20070625_200558_000000372059_00200_27809_3454.N1	25-JUN-2007 20:05:58	Bright	37.000	86	35Eta Oph	2.4300	10200.	74	27809	No
242	GOM_NL__2PRFIN20070625_200742_000000362059_00200_27809_3455.N1	25-JUN-2007 20:07:42	Bright	36.000	98	13Zet Oph	2.5710	30000.	72	27809	No
243	GOM_NL__2PRFIN20070625_200949_000000362059_00200_27809_3456.N1	25-JUN-2007 20:09:49	Bright	35.500	120	1Del Oph	2.7340	3200.0	71	27809	No
244	GOM_NL__2PRFIN20070625_201642_000000372059_00200_27809_3457.N1	25-JUN-2007 20:16:42	Bright	37.000	127	27Bet Her	2.7810	4700.0	74	27809	No
245	GOM_NL__2PRFIN20070625_201933_000000352059_00200_27809_3458.N1	25-JUN-2007 20:19:33	Bright	34.500	133	40Zet Her	2.8070	6000.0	69	27809	No
246	GOM_NL__2PRFIN20070625_202552_000000372059_00200_27809_3459.N1	25-JUN-2007 20:25:52	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	27809	No
247	GOM_NL__2PRFIN20070625_202758_000000362059_00200_27809_3460.N1	25-JUN-2007 20:27:58	Bright	36.000	119	14Eta Dra	2.7270	4700.0	72	27809	No
248	GOM_NL__2PRFIN20070625_203148_000000352059_00200_27809_3461.N1	25-JUN-2007 20:31:48	Bright	35.000	60	7Bet UMi	2.0810	3950.0	70	27809	No
249	GOM_NL__2PRFIN20070625_203613_000000362059_00200_27809_3462.N1	25-JUN-2007 20:36:13	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	27809	No
250	GOM_NL__2PRFIN20070625_204632_000000352059_00200_27809_3463.N1	25-JUN-2007 20:46:32	Bright	35.000	160	23Gam Per	2.9300	4700.0	70	27809	No
251	GOM_NL__2PRFIN20070625_205017_000000512059_00200_27809_3464.N1	25-JUN-2007 20:50:17	Bright	51.000	79	26Bet Per	2.3100	13100.	102	27809	No
252	GOM_NL__2PRFIN20070625_210113_000000482059_00200_27809_3465.N1	25-JUN-2007 21:01:13	Dark	47.500	94	92Alp Cet	2.5260	3100.0	95	27809	No
253	GOM_NL__2PRFIN20070625_211921_000000392059_00201_27810_3466.N1	25-JUN-2007 21:19:21	Dark	38.500	9	Alp Eri	0.45300	24000.	77	27810	No
254	GOM_NL__2PRFIN20070625_212638_000000432059_00201_27810_3462.N1	25-JUN-2007 21:26:38	Straylight	42.500	148	Alp Tuc	2.8780	4100.0	85	27810	No
255	GOM_NL__2PRFIN20070625_213107_000000432059_00201_27810_3463.N1	25-JUN-2007 21:31:07	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	27810	No
256	GOM_NL__2PRFIN20070625_213523_000000392059_00201_27810_3464.N1	25-JUN-2007 21:35:23	Straylight	39.000	141	Bet Ara	2.8400	4600.0	78	27810	No
257	GOM_NL__2PRFIN20070625_213649_000000372059_00201_27810_3465.N1	25-JUN-2007 21:36:49	Straylight	36.500	147	Alp Ara	2.8770	26000.	73	27810	No
258	GOM_NL__2PRFIN20070625_213836_000000392059_00201_27810_3466.N1	25-JUN-2007 21:38:36	Twi_and_stray	39.000	40	The Sco	1.8590	7100.0	78	27810	No
259	GOM_NL__2PRFIN20070625_214016_000000402059_00201_27810_3467.N1	25-JUN-2007 21:40:16	Twi_and_stray	40.000	25	35Lam Sco	1.6200	28000.	80	27810	No
260	GOM_NL__2PRFIN20070625_214138_000000412059_00201_27810_3468.N1	25-JUN-2007 21:41:38	Bright	41.000	116	19Del Sgr	2.7000	4100.0	82	27810	No
261	GOM_NL__2PRFIN20070625_214325_000000362059_00201_27810_3469.N1	25-JUN-2007 21:43:25	Bright	36.000	136	23Tau Sco	2.8220	30000.	72	27810	No
262	GOM_NL__2PRFIN20070625_214634_000000362059_00201_27810_3470.N1	25-JUN-2007 21:46:34	Bright	35.500	86	35Eta Oph	2.4300	10200.	71	27810	No
263	GOM_NL__2PRFIN20070625_214818_000000362059_00201_27810_3471.N1	25-JUN-2007 21:48:18	Bright	36.000	98	13Zet Oph	2.5710	30000.	72	27810	No
264	GOM_NL__2PRFIN20070625_215025_000000362059_00201_27810_3472.N1	25-JUN-2007 21:50:25	Bright	36.000	120	1Del Oph	2.7340	3200.0	72	27810	No
265	GOM_NL__2PRFIN20070625_215718_000000362059_00201_27810_3473.N1	25-JUN-2007 21:57:18	Bright	36.000	127	27Bet Her	2.7810	4700.0	72	27810	No
266	GOM_NL__2PRFIN20070625_220009_000000362059_00201_27810_3474.N1	25-JUN-2007 22:00:09	Bright	36.000	133	40Zet Her	2.8070	6000.0	72	27810	No
267	GOM_NL__2PRFIN20070625_220627_000000382059_00201_27810_3475.N1	25-JUN-2007 22:06:27	Bright	38.000	130	23Bet Dra	2.7990	5800.0	76	27810	No
268	GOM_NL__2PRFIN20070625_220834_000000372059_00201_27810_3476.N1	25-JUN-2007 22:08:34	Bright	37.000	119	14Eta Dra	2.7270	4700.0	74	27810	No
269	GOM_NL__2PRFIN20070625_221224_000000362059_00201_27810_3477.N1	25-JUN-2007 22:12:24	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	27810	No
270	GOM_NL__2PRFIN20070625_221648_000000362059_00201_27810_3478.N1	25-JUN-2007 22:16:48	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	27810	No
271	GOM_NL__2PRFIN20070625_222708_000000352059_00201_27810_3479.N1	25-JUN-2007 22:27:08	Bright	34.500	160	23Gam Per	2.9300	4700.0	69	27810	No
272	GOM_NL__2PRFIN20070625_223053_000000552059_00201_27810_3480.N1	25-JUN-2007 22:30:53	Bright	55.000	79	26Bet Per	2.3100	13100.	110	27810	No
273	GOM_NL__2PRFIN20070625_224149_000000452059_00201_27810_3481.N1	25-JUN-2007 22:41:49	Dark	44.500	94	92Alp Cet	2.5260	3100.0	89	27810	No
274	GOM_NL__2PRFIN20070625_225958_000000422059_00202_27811_3482.N1	25-JUN-2007 22:59:58	Dark	41.500	9	Alp Eri	0.45300	24000.	83	27811	No
275	GOM_NL__2PRFIN20070625_230714_000000422059_00202_27811_3473.N1	25-JUN-2007 23:07:14	Straylight	41.500	148	Alp Tuc	2.8780	4100.0	83	27811	No
276	GOM_NL__2PRFIN20070625_231143_000000412059_00202_27811_3474.N1	25-JUN-2007 23:11:43	Straylight	40.500	45	Alp Pav	1.9400	26000.	81	27811	No
277	GOM_NL__2PRFIN20070625_231559_000000392059_00202_27811_3475.N1	25-JUN-2007 23:15:59	Straylight	39.000	141	Bet Ara	2.8400	4600.0	78	27811	No
278	GOM_NL__2PRFIN20070625_231725_000000402059_00202_27811_3476.N1	25-JUN-2007 23:17:25	Straylight	39.500	147	Alp Ara	2.8770	26000.	79	27811	No

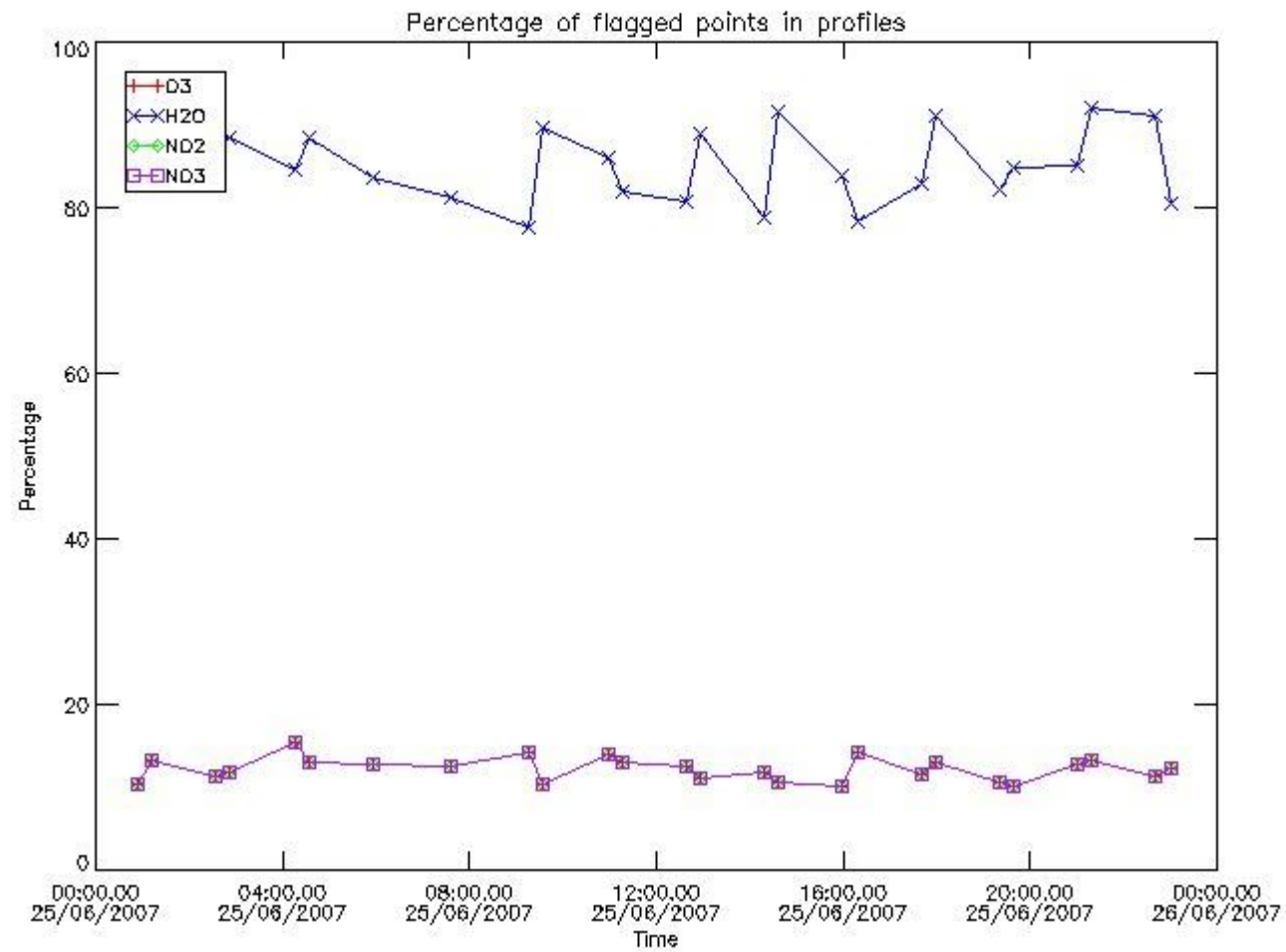


279	GOM_NL__2PRFIN20070625_231912_000000432059_00202_27811_3477.N1	25-JUN-2007 23:19:12	Twl_and_stray	42.500	40	The Sco	1.8590	7100.0	85	27811	No
280	GOM_NL__2PRFIN20070625_232052_000000402059_00202_27811_3478.N1	25-JUN-2007 23:20:52	Twl_and_stray	39.500	25	35Lam Sco	1.6200	28000.	79	27811	No
281	GOM_NL__2PRFIN20070625_232215_000000412059_00202_27811_3479.N1	25-JUN-2007 23:22:15	Bright	41.000	116	19Del Sgr	2.7000	4100.0	82	27811	No
282	GOM_NL__2PRFIN20070625_232401_000000372059_00202_27811_3480.N1	25-JUN-2007 23:24:01	Bright	36.500	136	23Tau Sco	2.8220	30000.	73	27811	No
283	GOM_NL__2PRFIN20070625_232710_000000372059_00202_27811_3481.N1	25-JUN-2007 23:27:10	Bright	37.000	86	35Eta Oph	2.4300	10200.	74	27811	No
284	GOM_NL__2PRFIN20070625_232854_000000352059_00202_27811_3482.N1	25-JUN-2007 23:28:54	Bright	35.000	98	13Zet Oph	2.5710	30000.	70	27811	No
285	GOM_NL__2PRFIN20070625_233101_000000362059_00202_27811_3483.N1	25-JUN-2007 23:31:01	Bright	35.500	120	1Del Oph	2.7340	3200.0	71	27811	No
286	GOM_NL__2PRFIN20070625_233754_000000372059_00202_27811_3484.N1	25-JUN-2007 23:37:54	Bright	37.000	127	27Bet Her	2.7810	4700.0	74	27811	No
287	GOM_NL__2PRFIN20070625_234044_000000352059_00202_27811_3485.N1	25-JUN-2007 23:40:44	Bright	34.500	133	40Zet Her	2.8070	6000.0	69	27811	No
288	GOM_NL__2PRFIN20070625_234703_000000382059_00202_27811_3486.N1	25-JUN-2007 23:47:03	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	27811	No
289	GOM_NL__2PRFIN20070625_234910_000000362059_00202_27811_3487.N1	25-JUN-2007 23:49:10	Bright	36.000	119	14Eta Dra	2.7270	4700.0	72	27811	No
290	GOM_NL__2PRFIN20070625_235300_000000362059_00202_27811_3488.N1	25-JUN-2007 23:53:00	Bright	35.500	60	7Bet UMi	2.0810	3950.0	71	27811	No
291	GOM_NL__2PRFIN20070625_235724_000000332059_00202_27811_3489.N1	25-JUN-2007 23:57:24	Bright	32.500	49	1Alp UMi	1.9900	6300.0	65	27811	No

### 3. Quality information per product

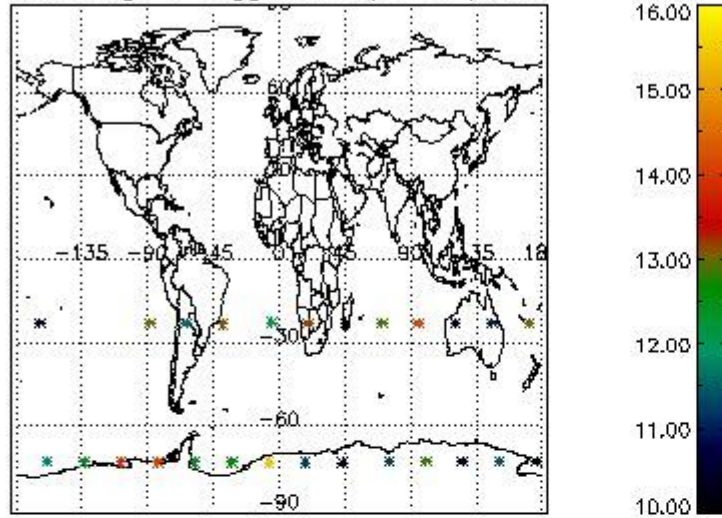
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

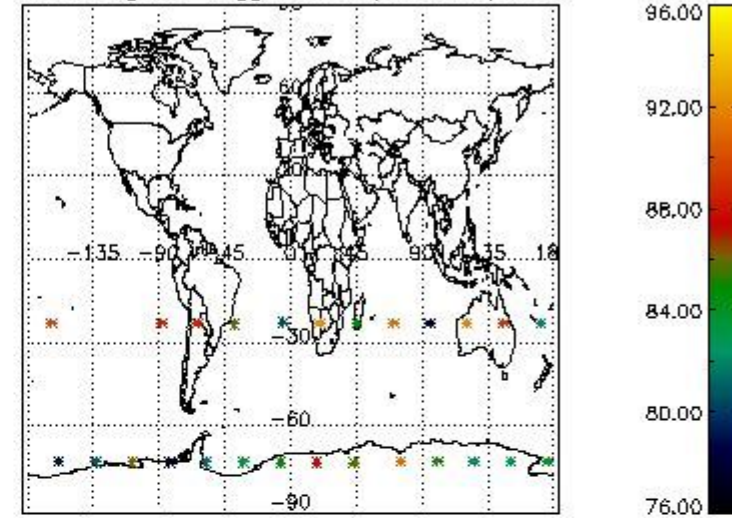


#### 3.2 Plot quality information per product (world map)

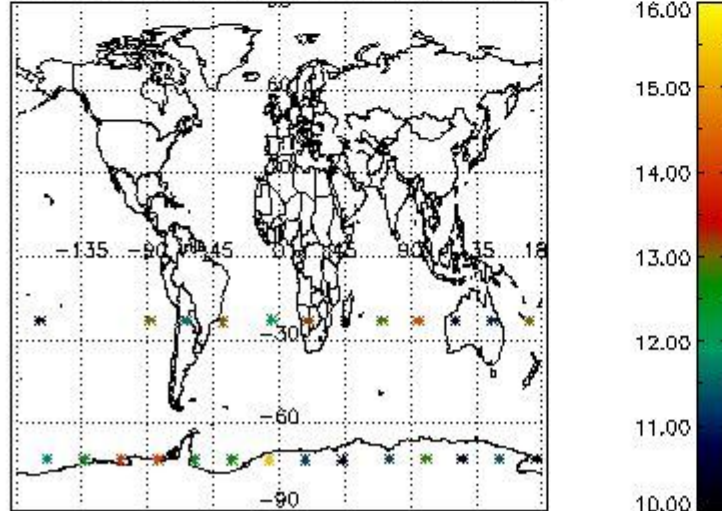
Percentage of flagged data per O3 profile



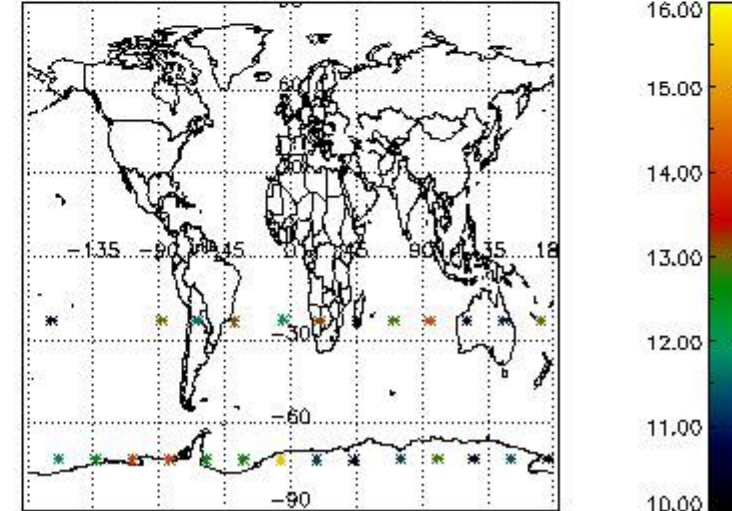
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

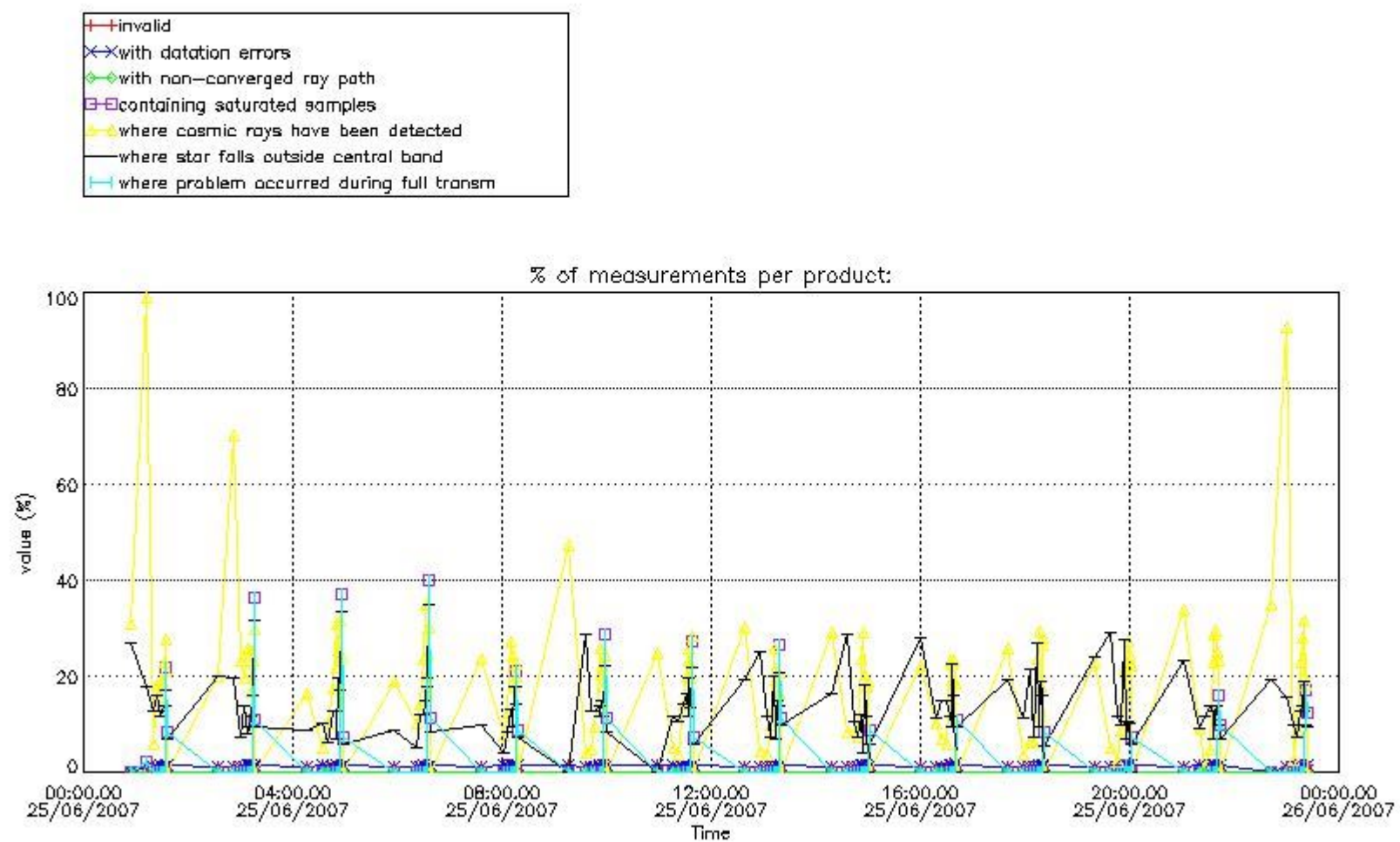


#### 4. Level 1 quality information per product

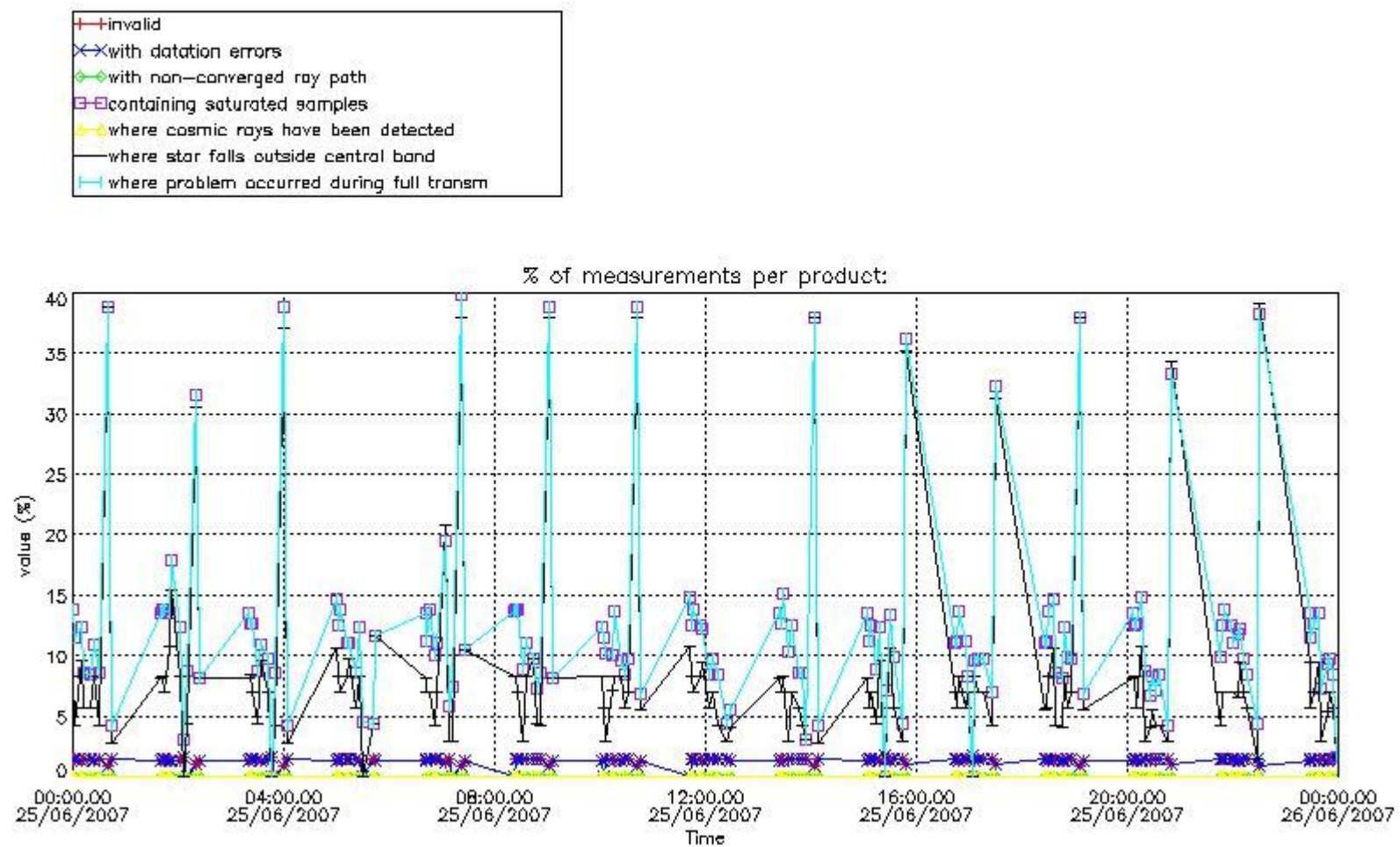
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

##### 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

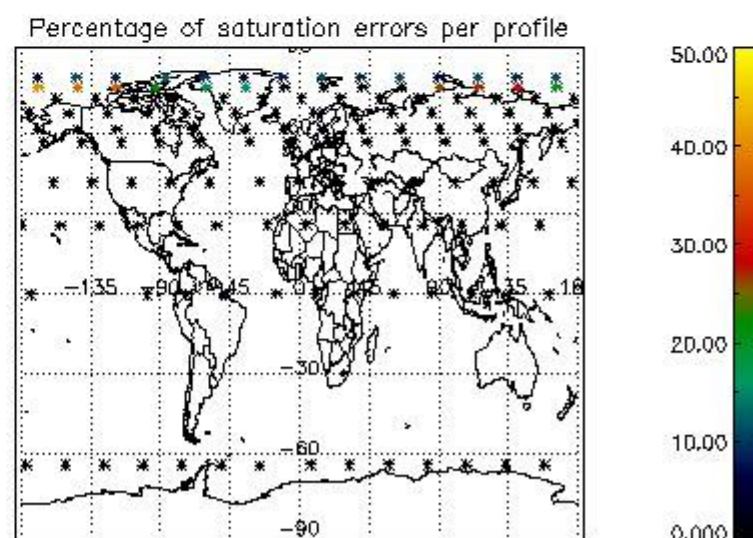
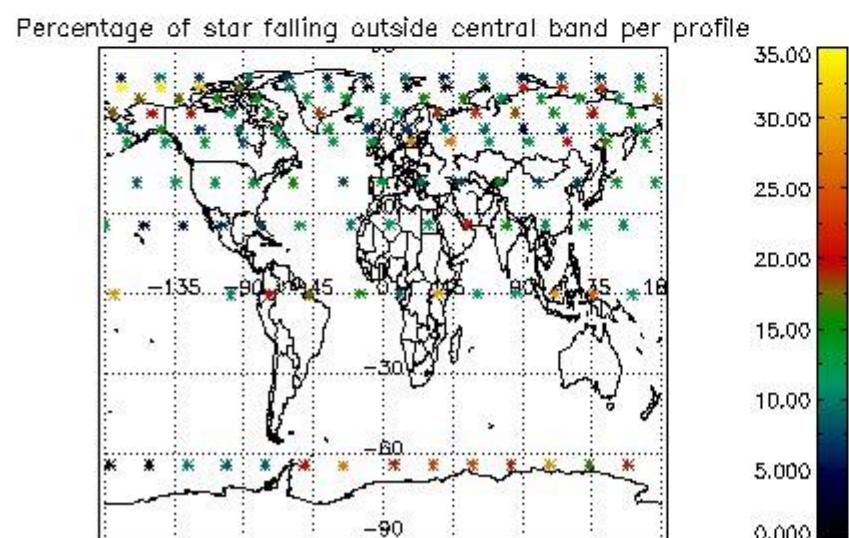
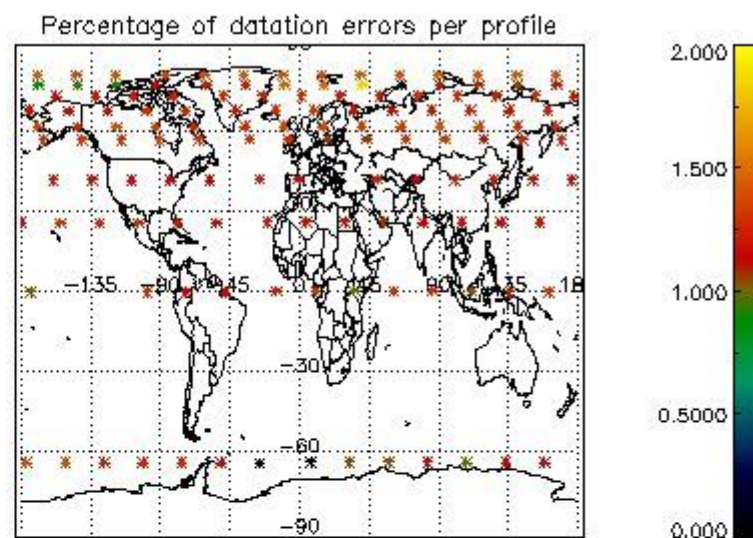
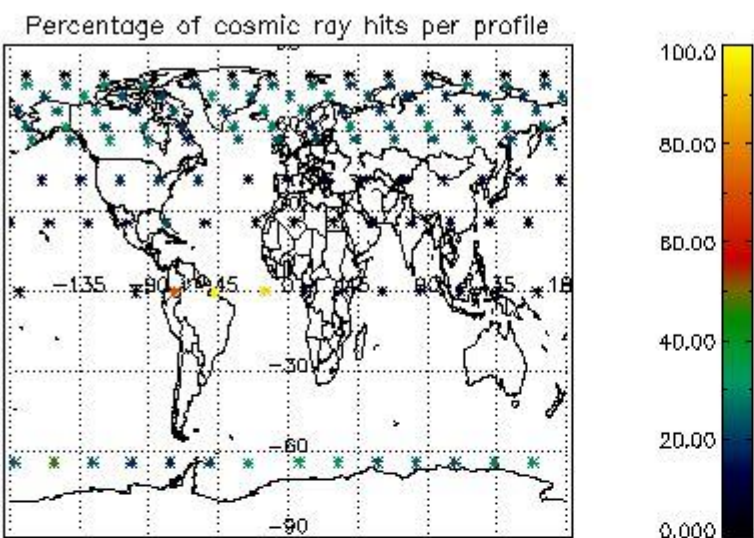


4.1.2 Plot level 1 quality information per product (time dependant): ENVISAT DESCENDING passes

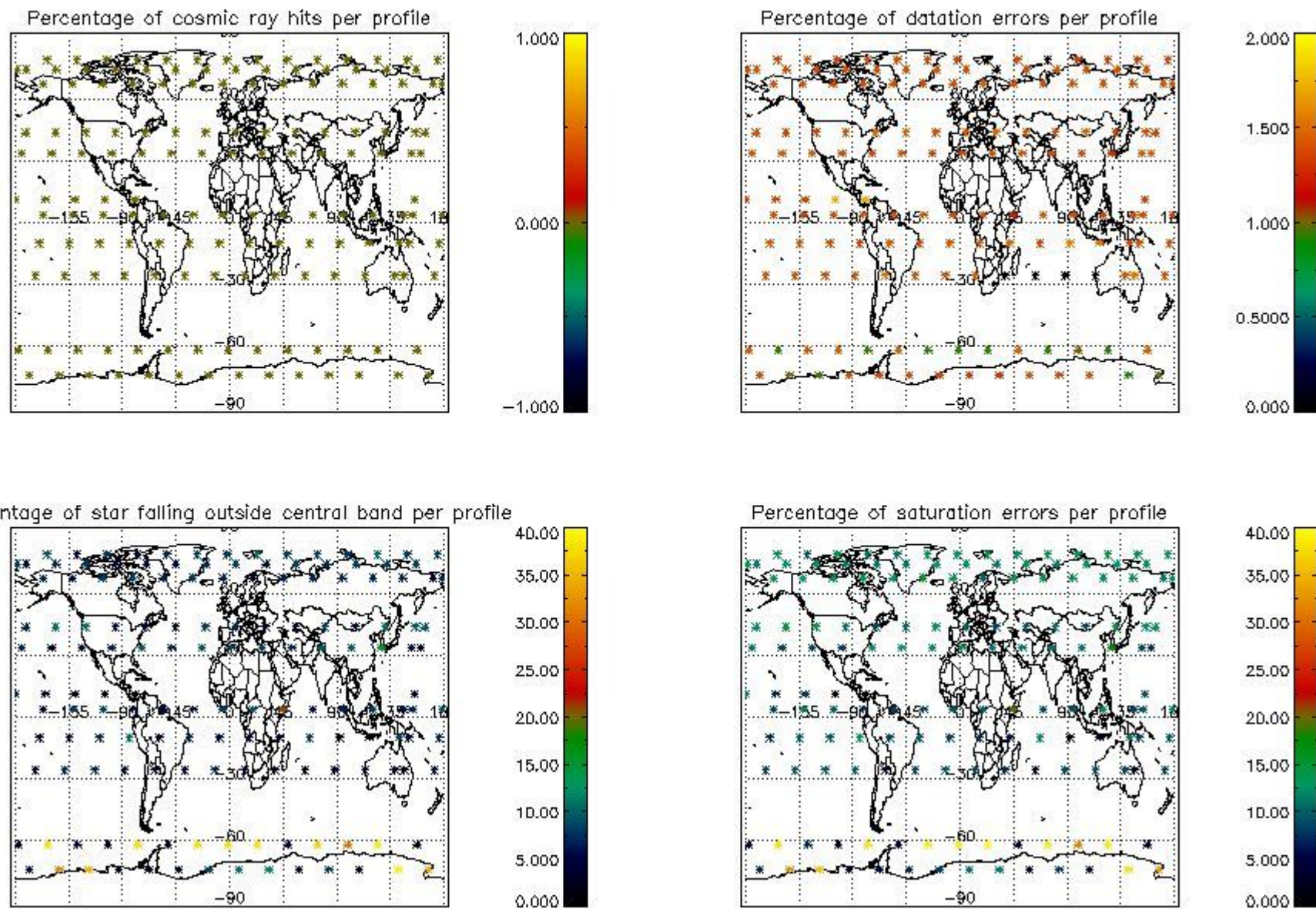


4.2 Plot quality information per product coming from level 1b processing (world map)

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



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

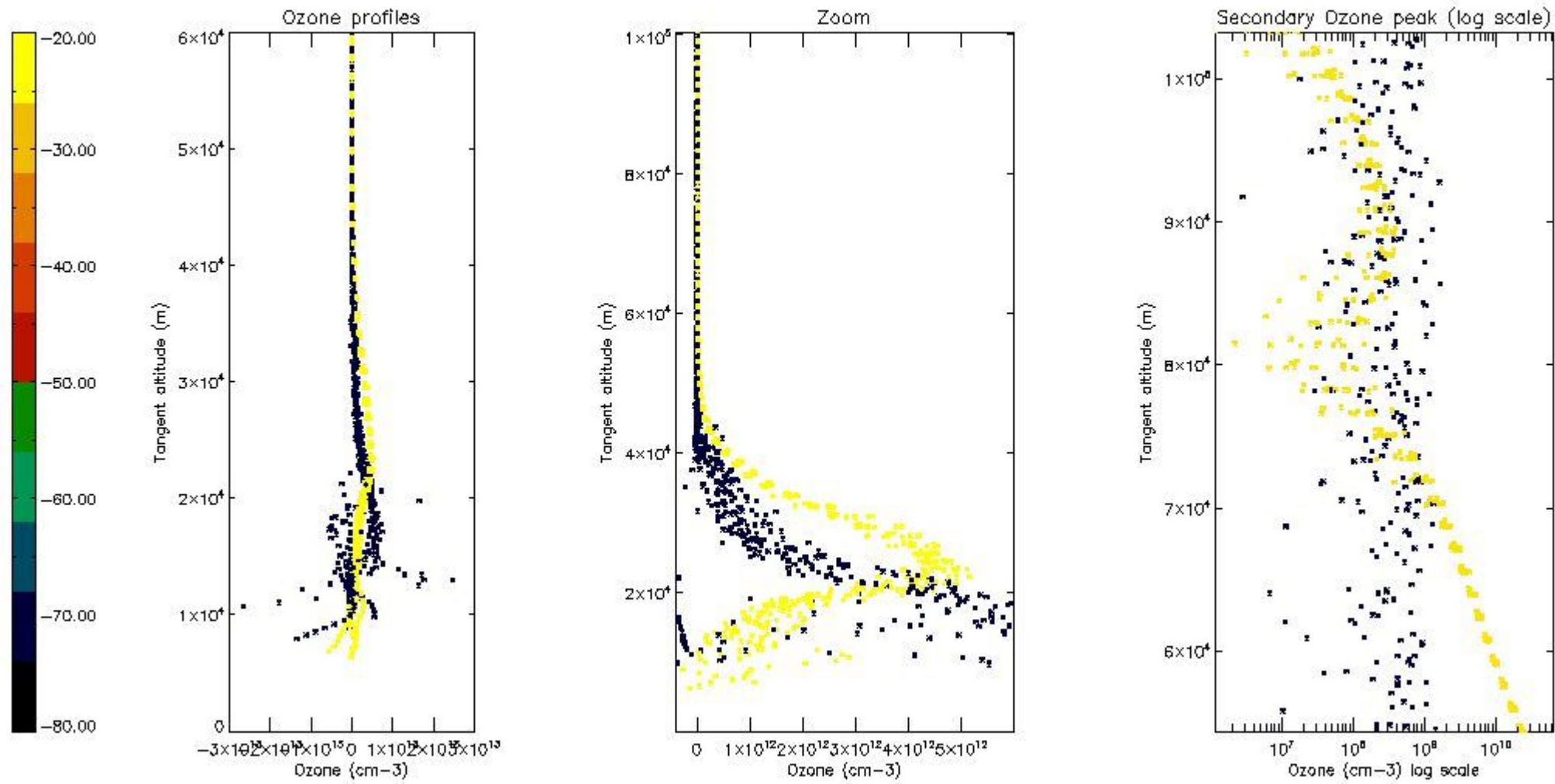
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	10
STD < 20	4

STD < 10	3
STD < 5	3

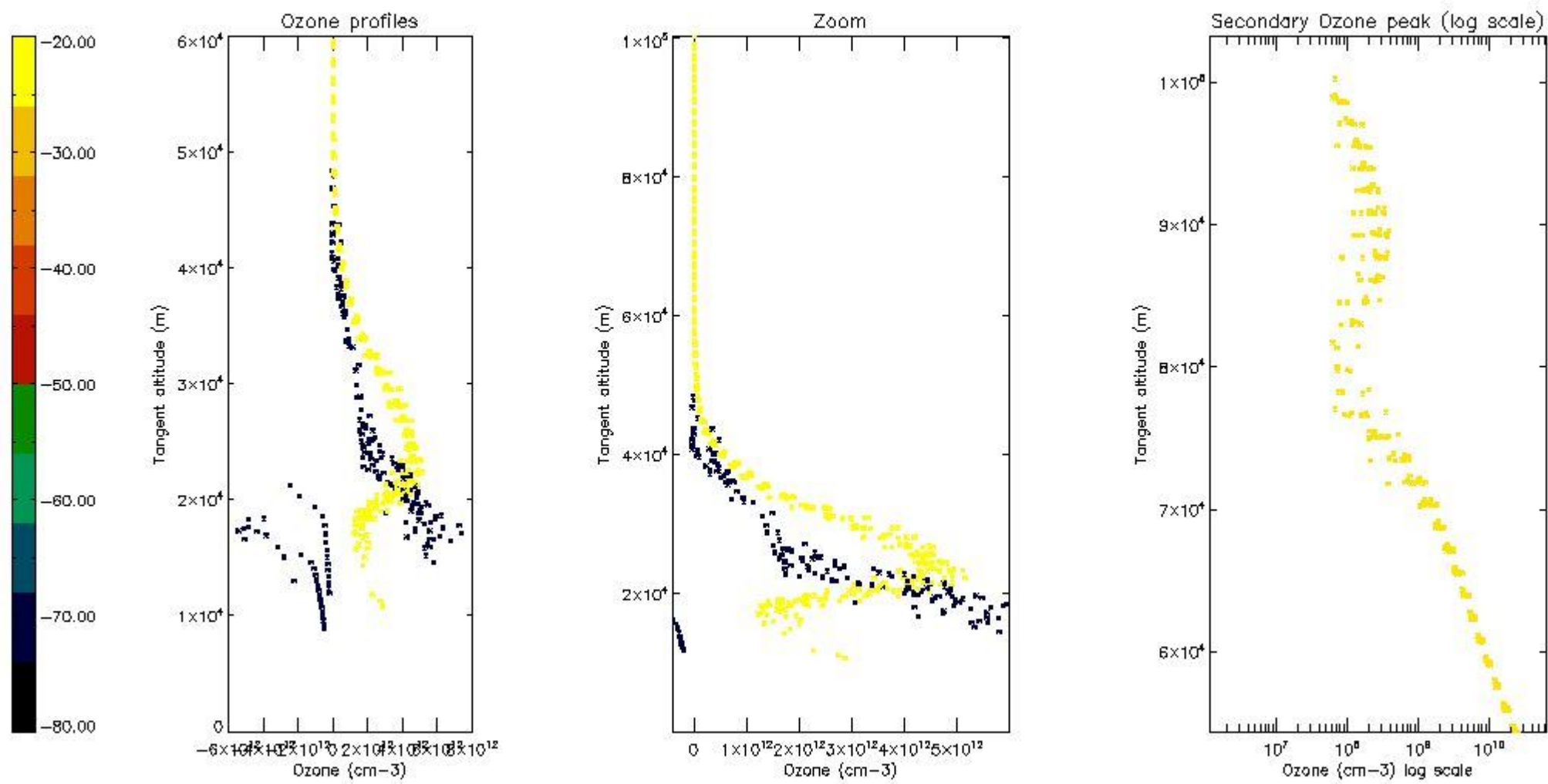
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

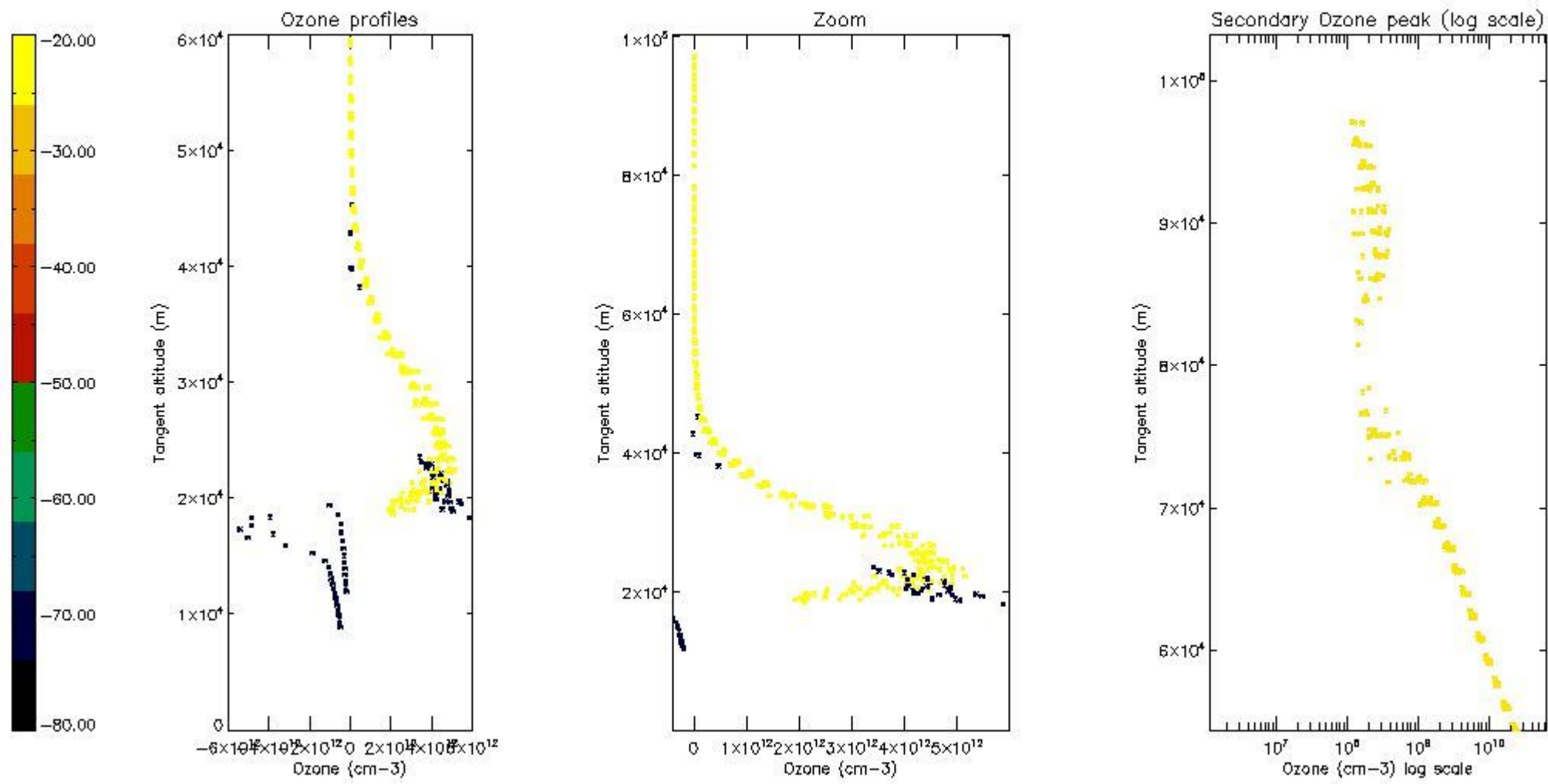
The colorbar represents the latitude.



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

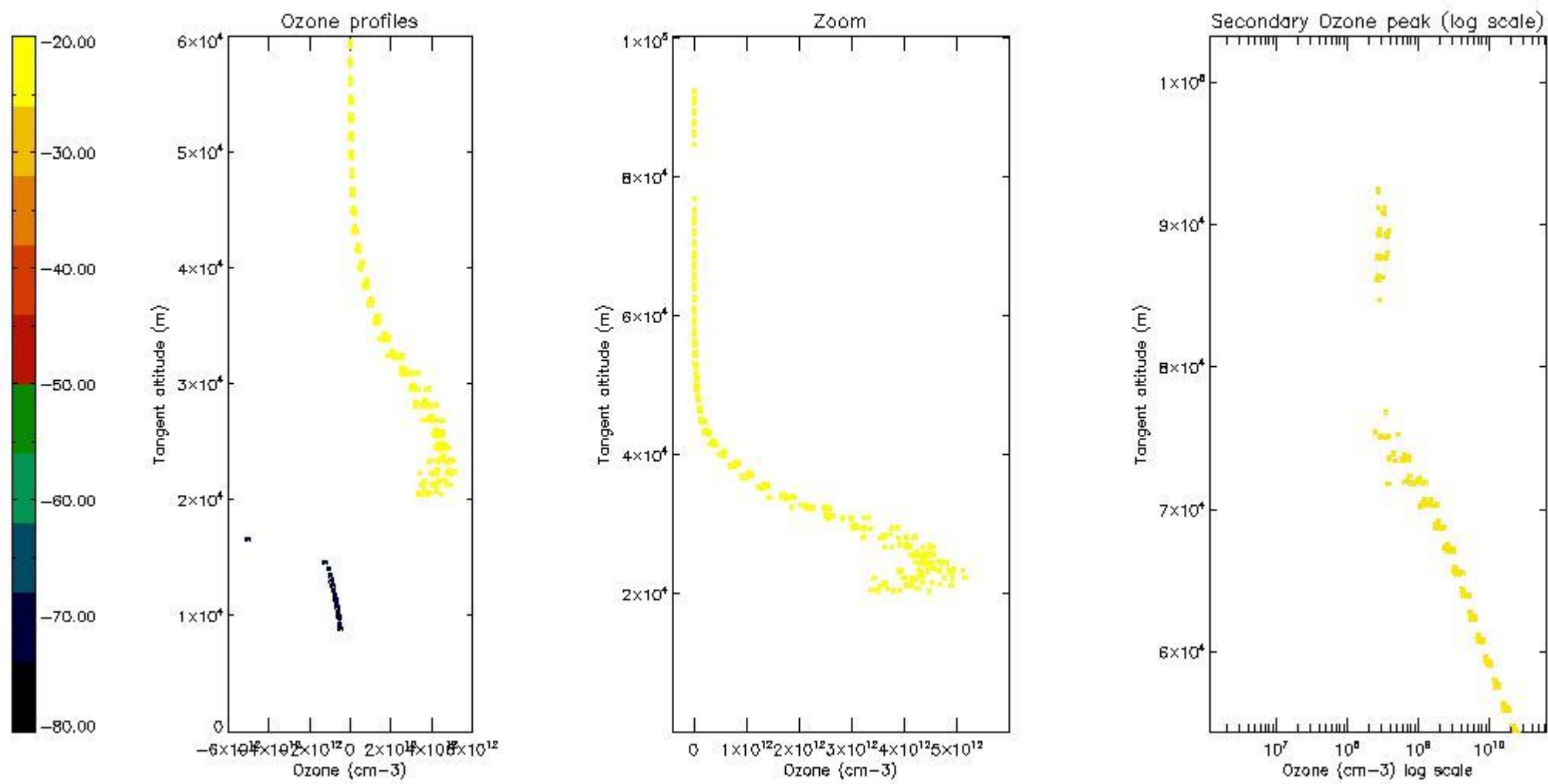
The colorbar represents the latitude.





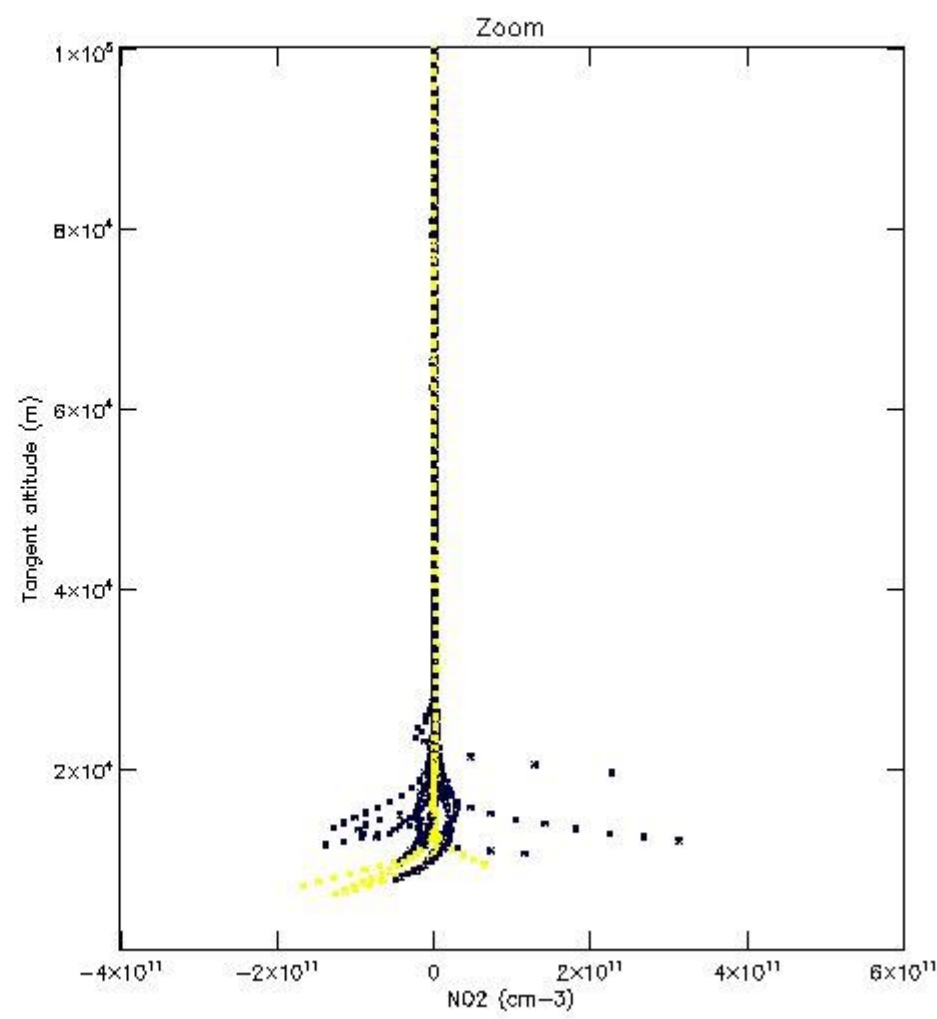
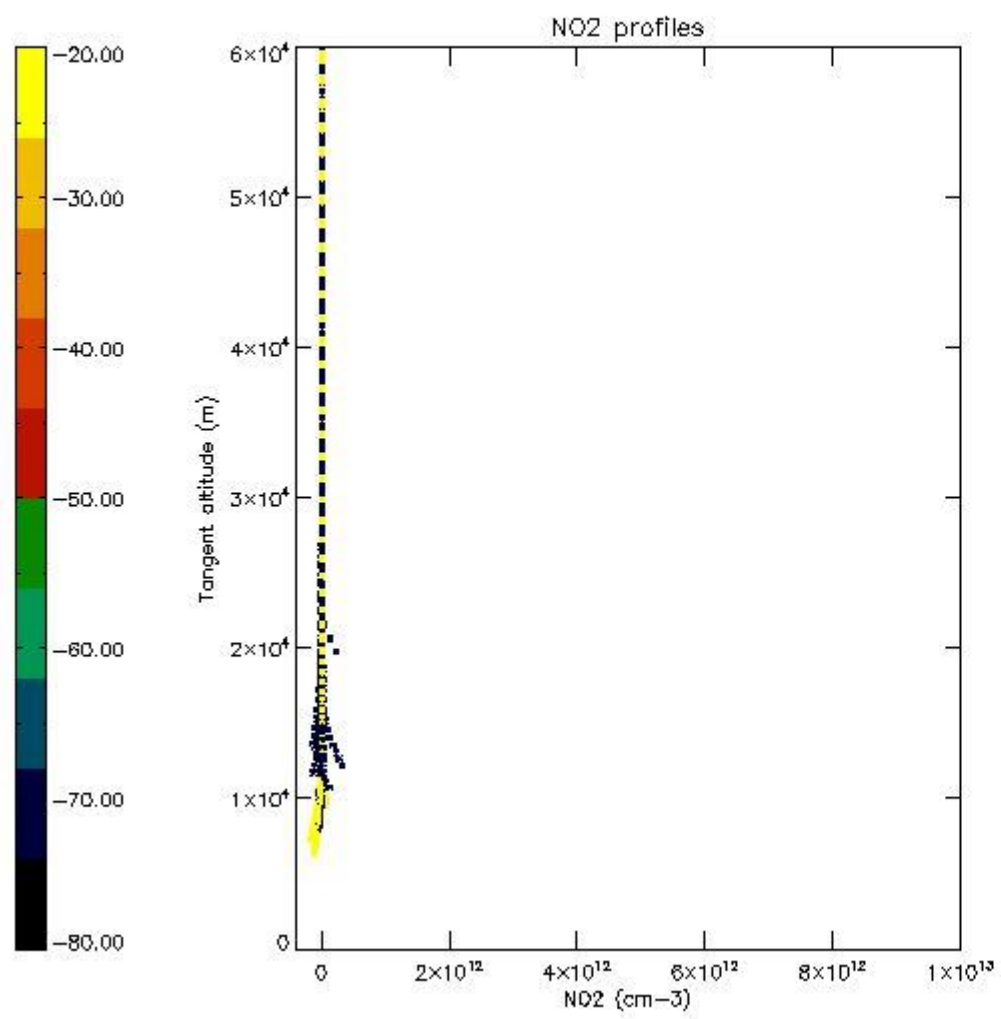
*5.5 Plot ozone profiles where  $STD < 5\%$  (dark without errors)*

The colorbar represents the latitude.



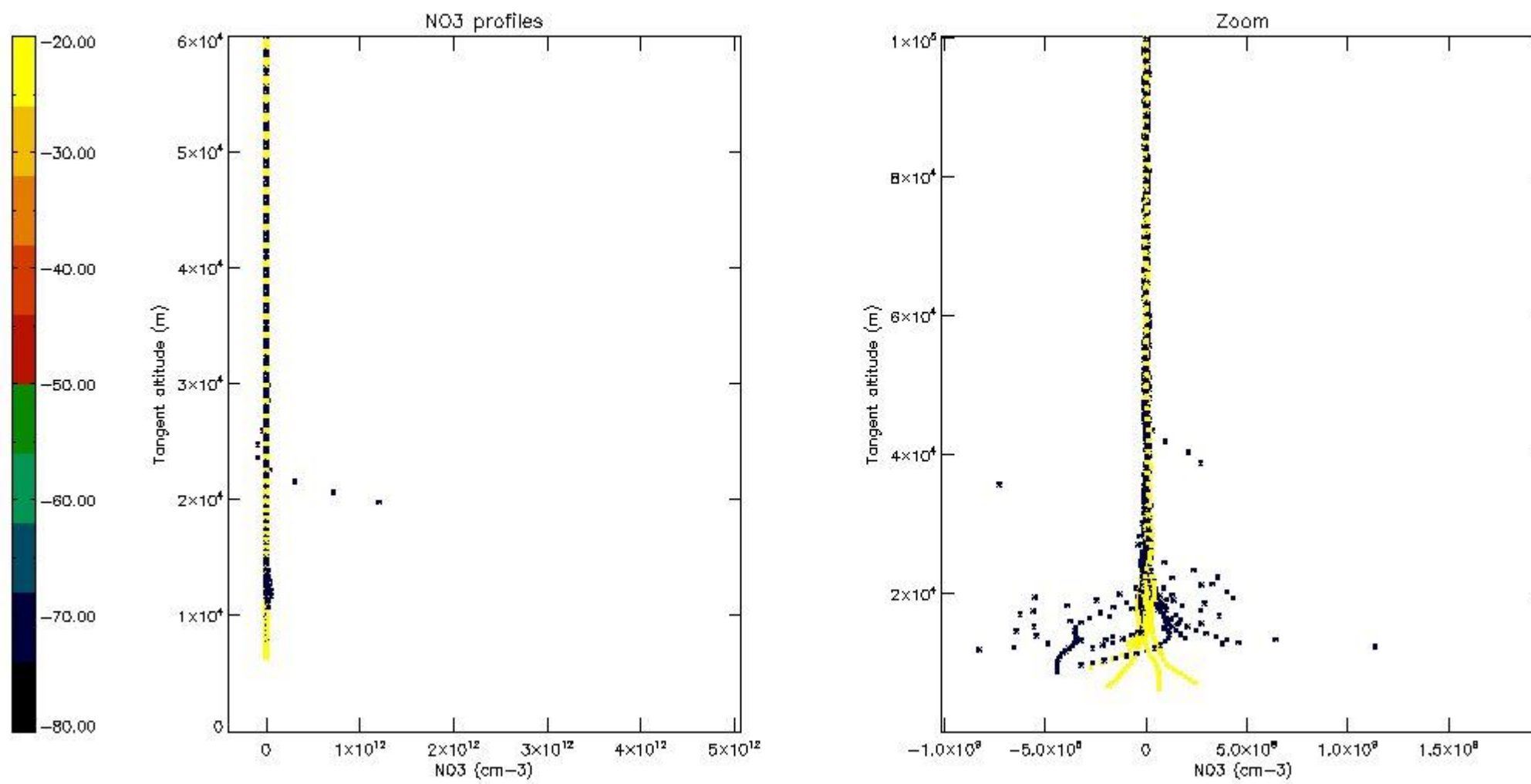
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



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

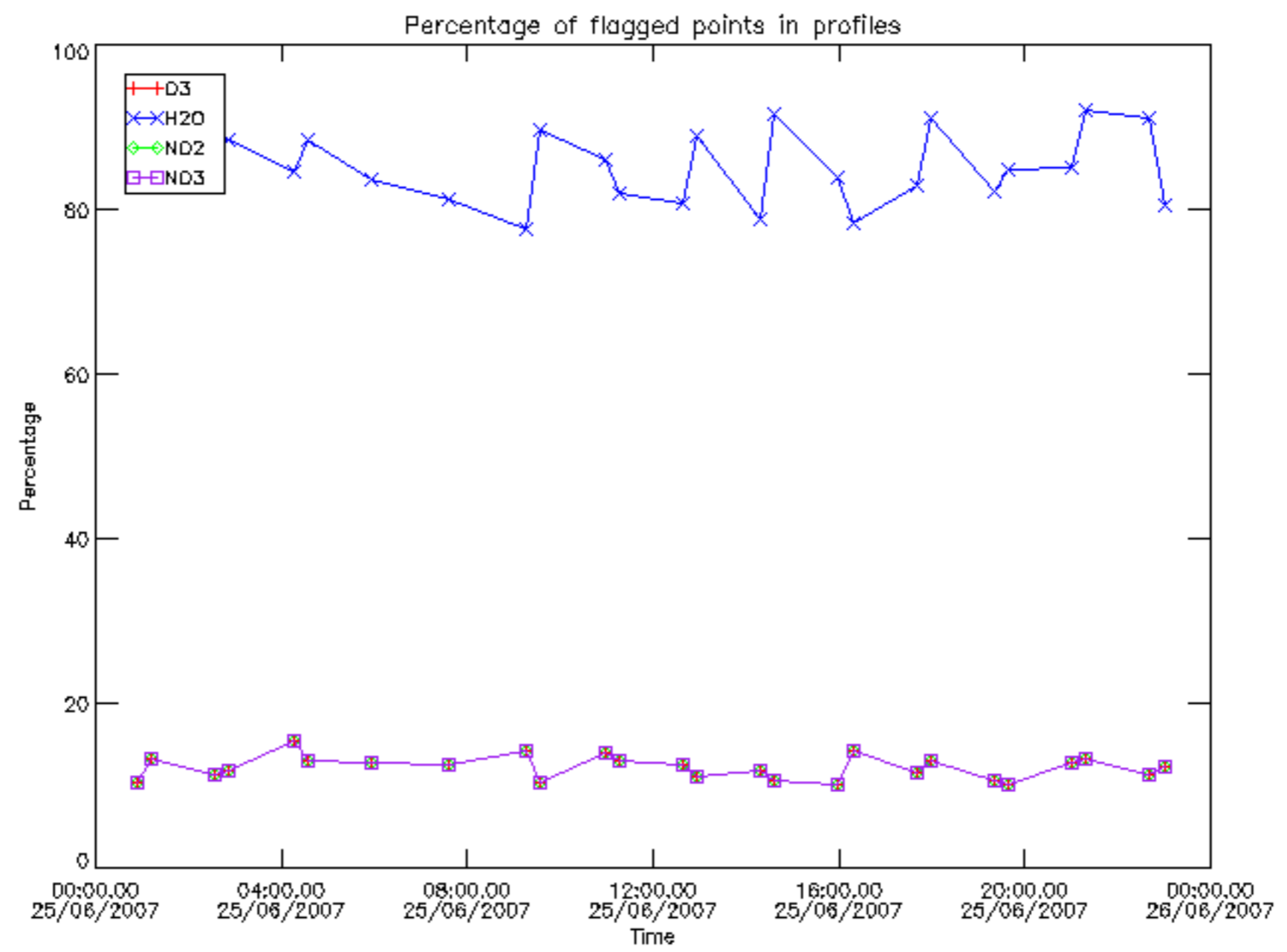
The colorbar represents the latitude.



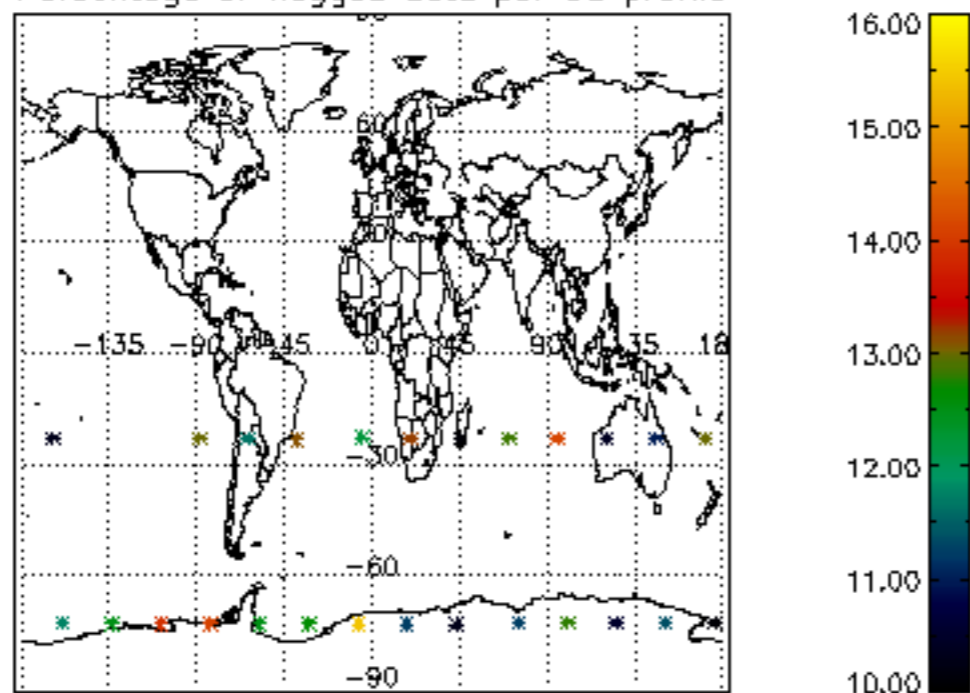
## 6. Auxiliary Data Files used for the production reported in section 2

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.

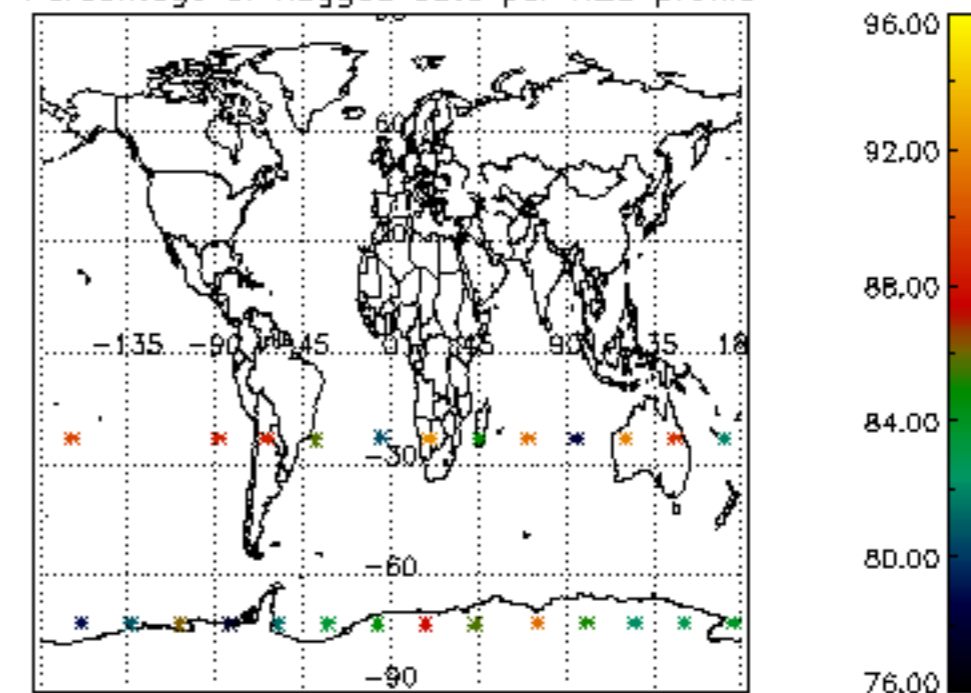
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	25-JUN-2007 00:00:29
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	25-JUN-2007 00:00:29
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	25-JUN-2007 00:00:29



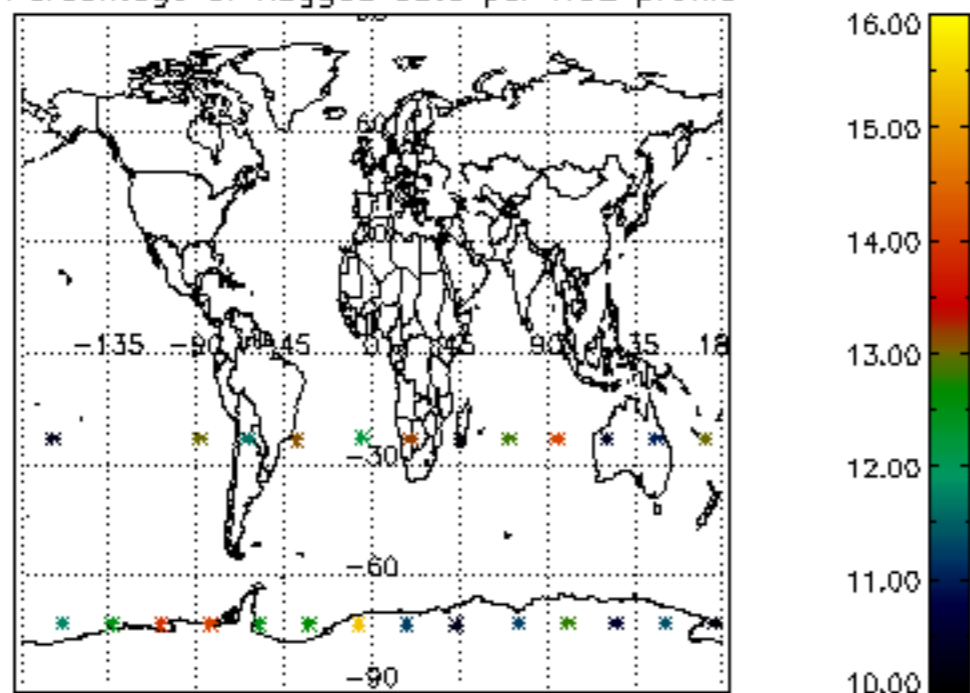
Percentage of flagged data per D3 profile



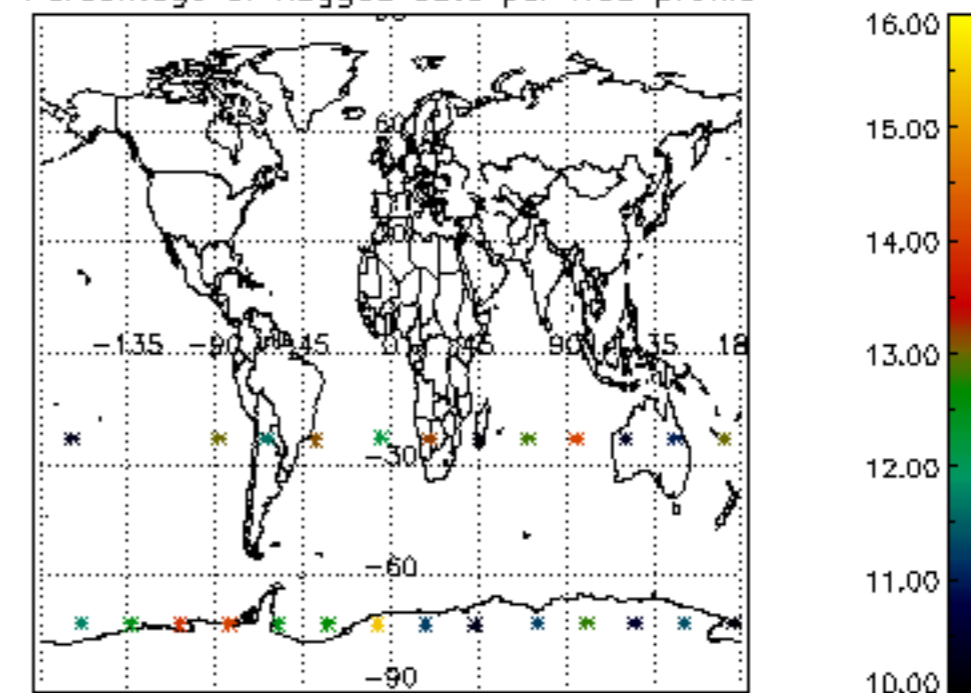
Percentage of flagged data per H2O profile

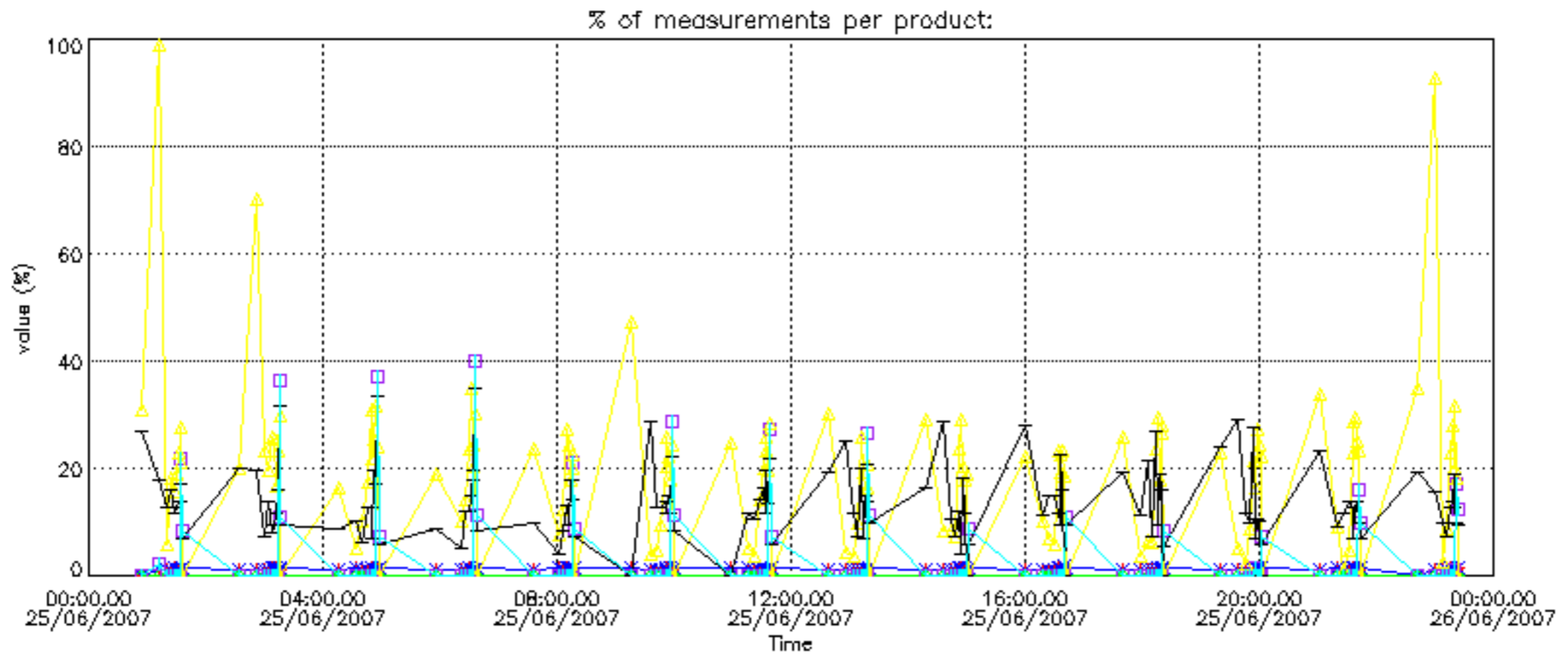


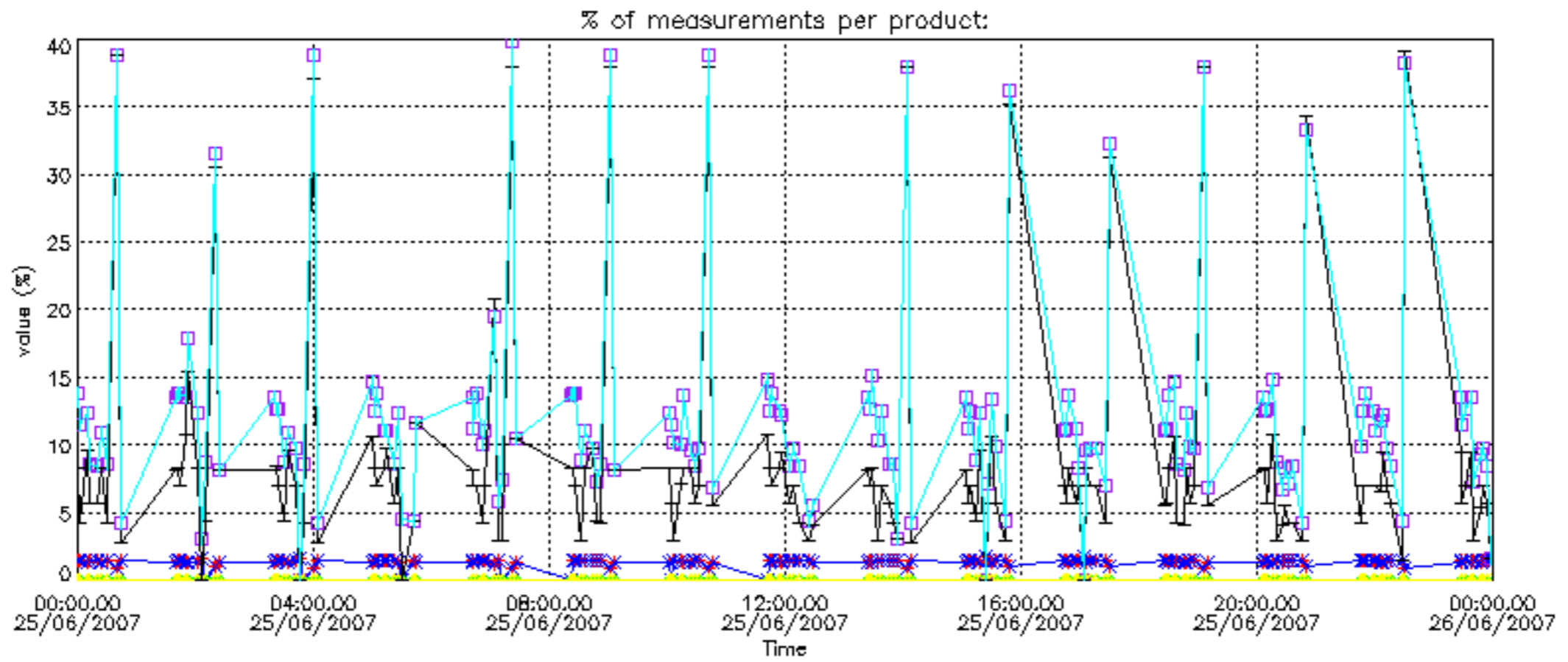
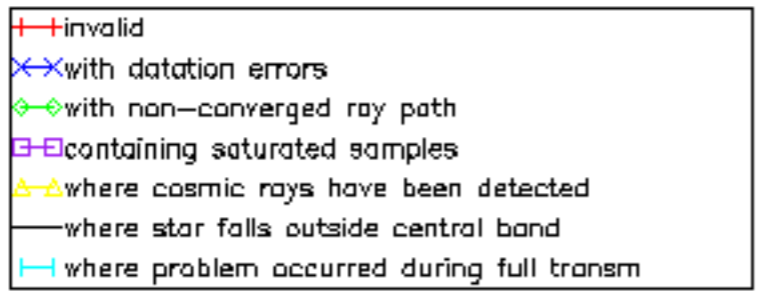
Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

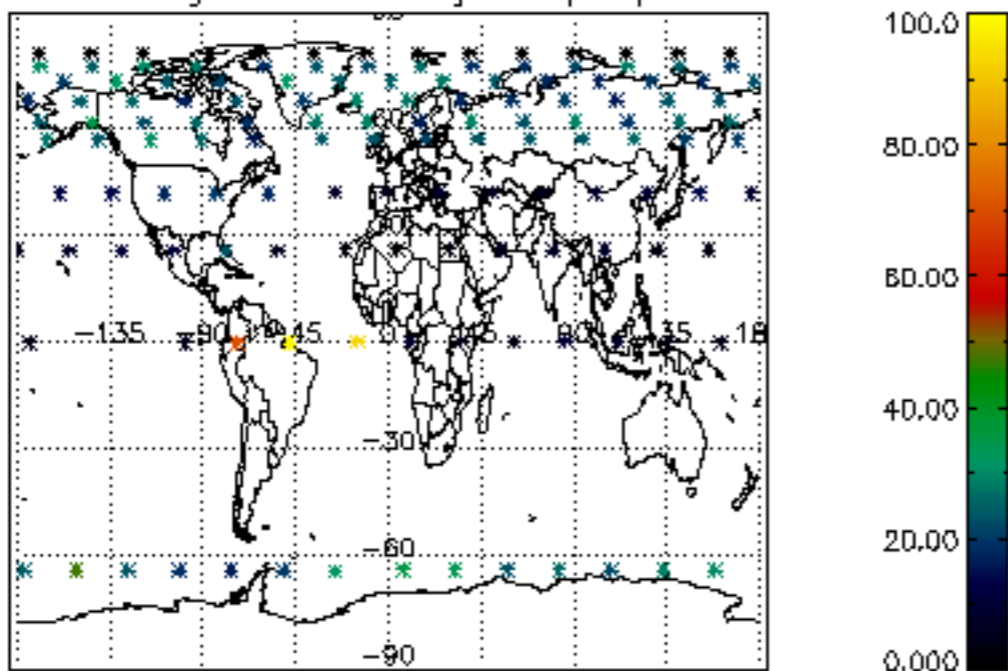




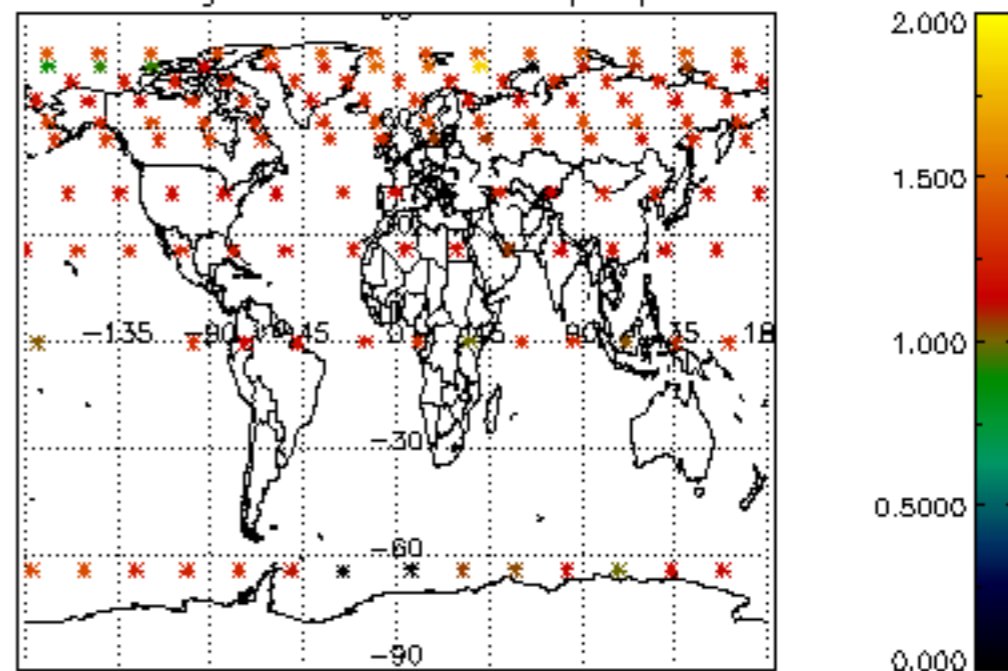




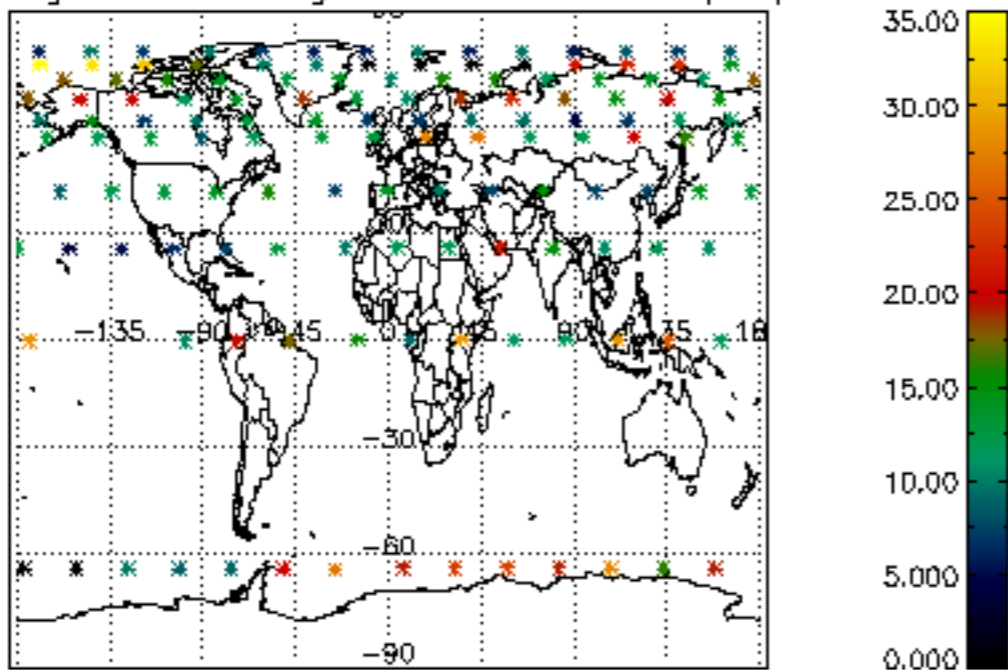
Percentage of cosmic ray hits per profile



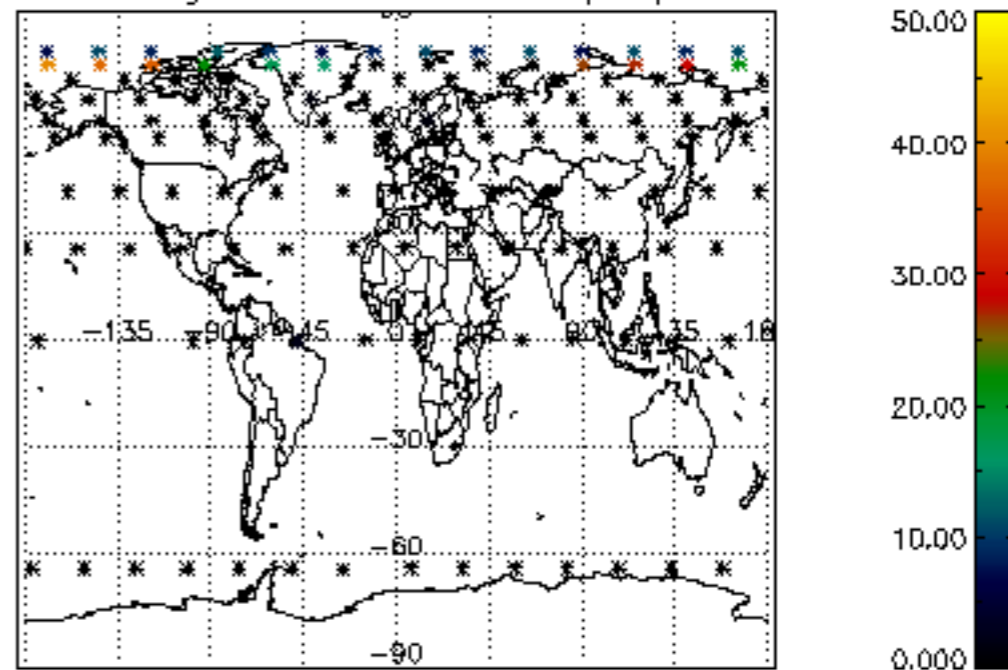
Percentage of datation errors per profile



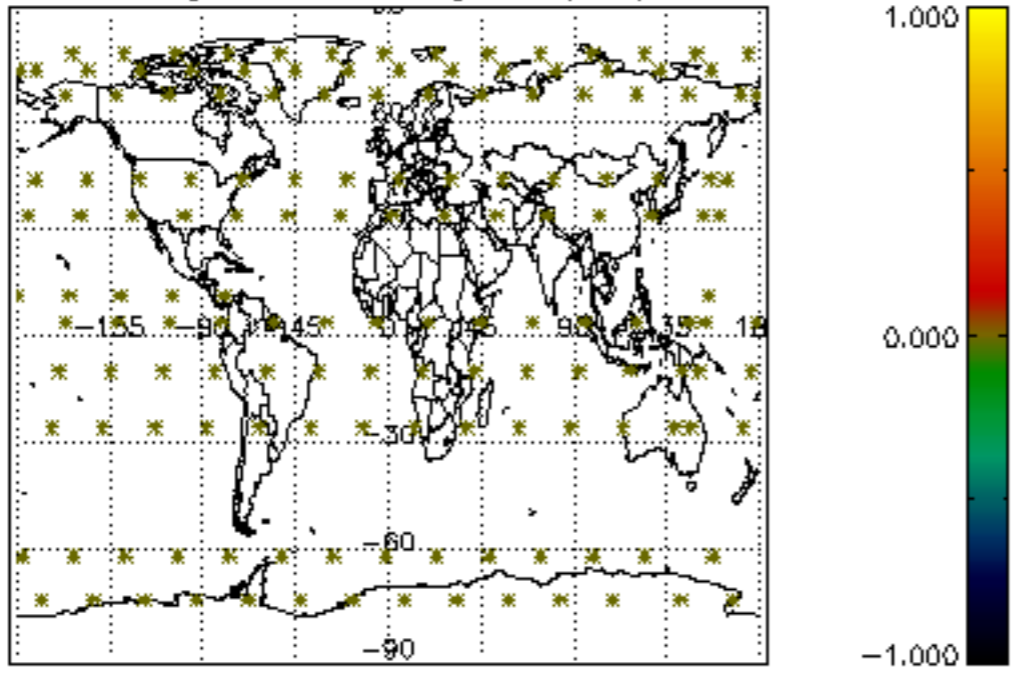
Percentage of star falling outside central band per profile



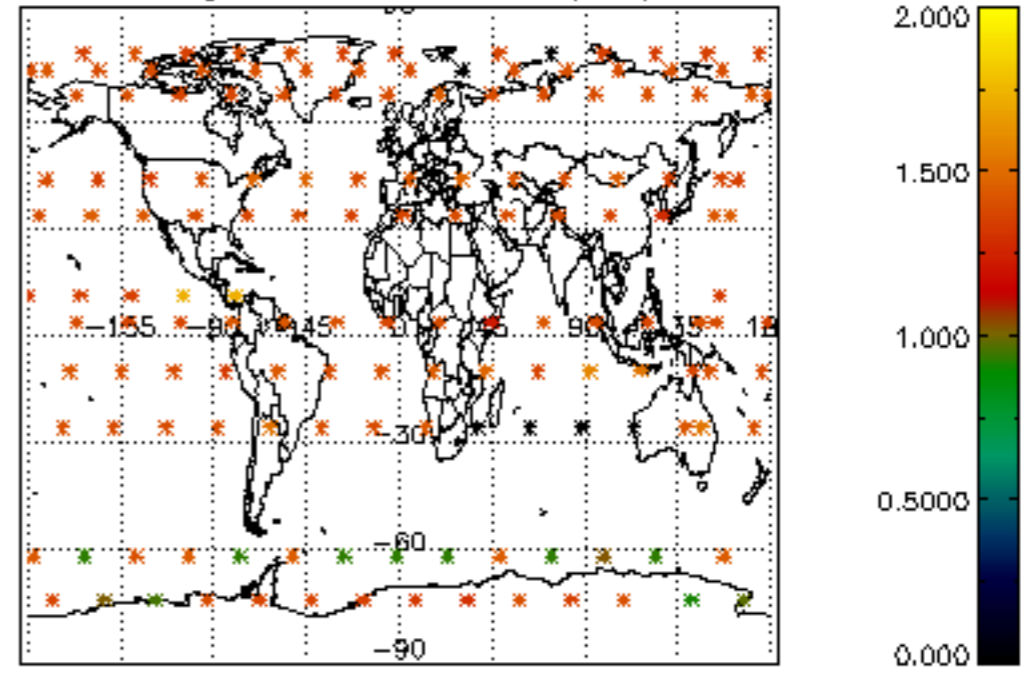
Percentage of saturation errors per profile



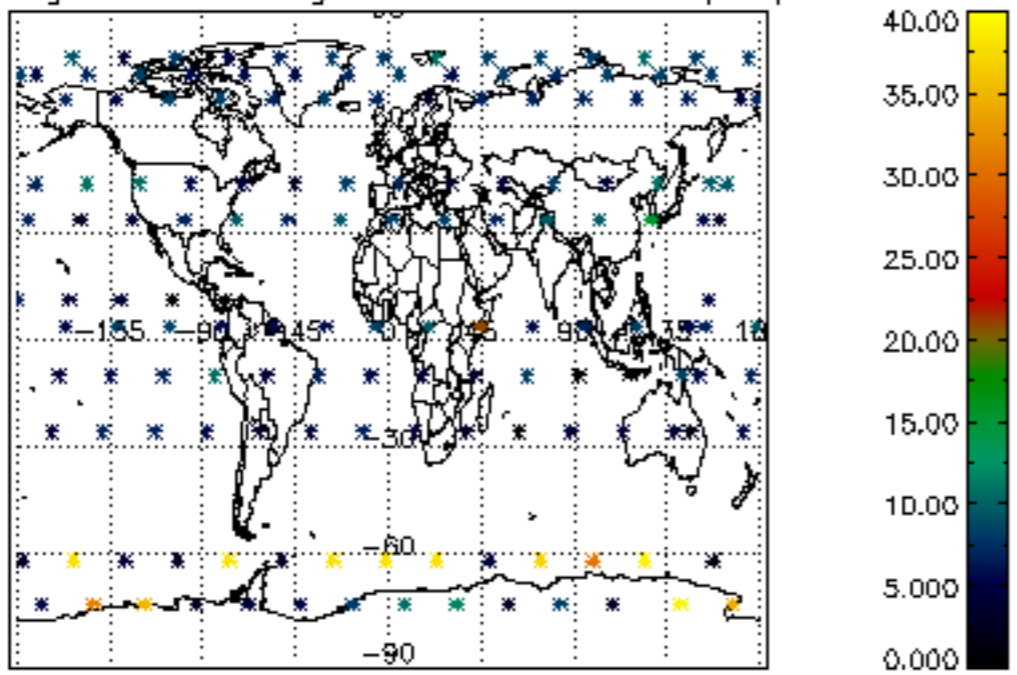
Percentage of cosmic ray hits per profile



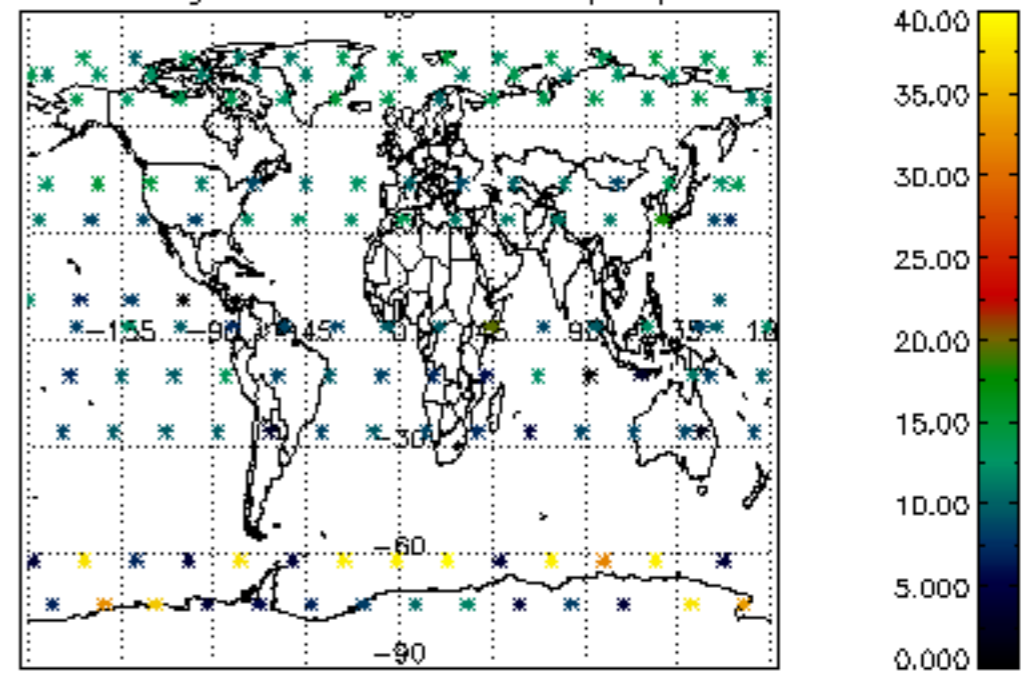
Percentage of datation errors per profile

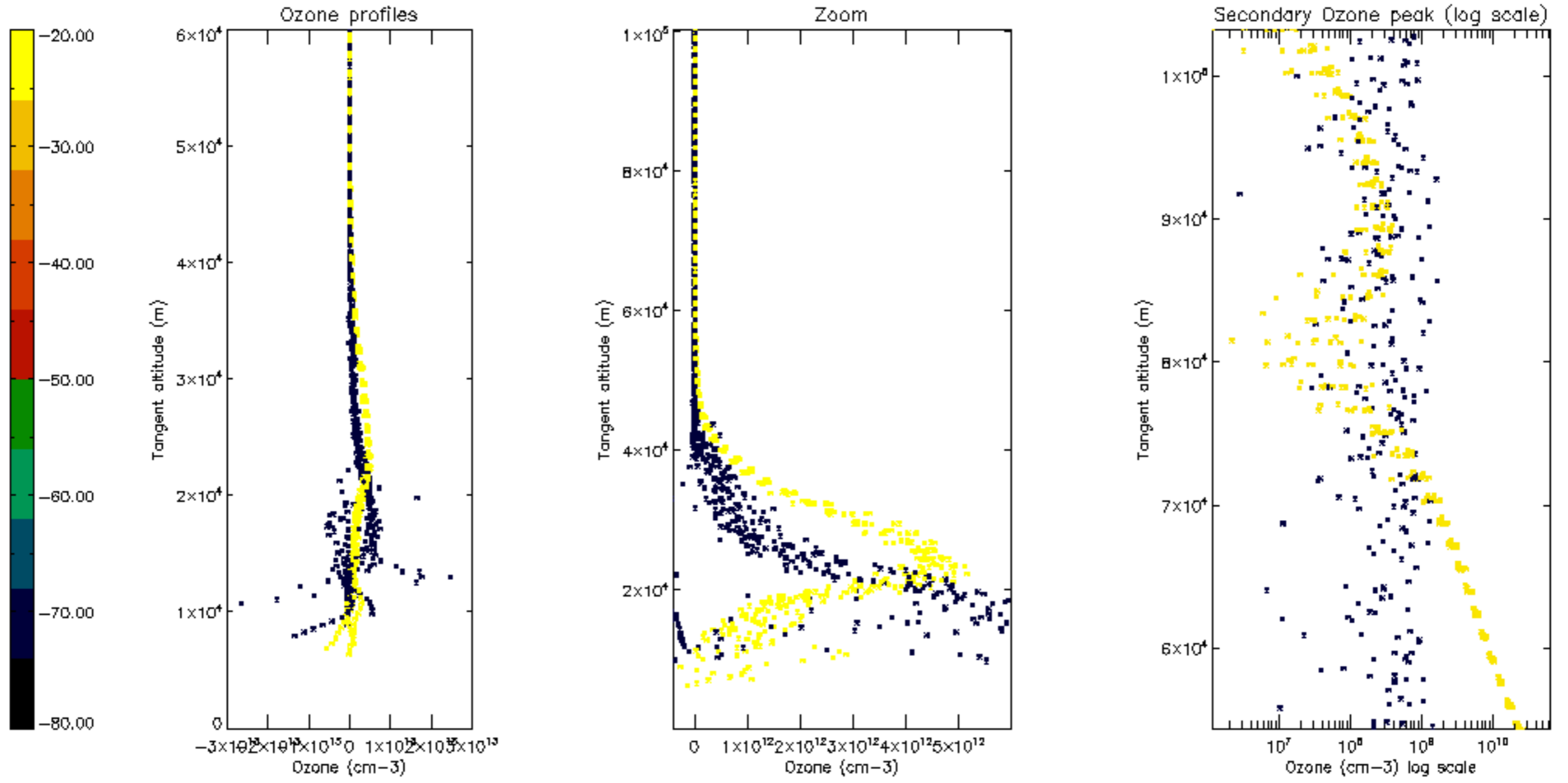


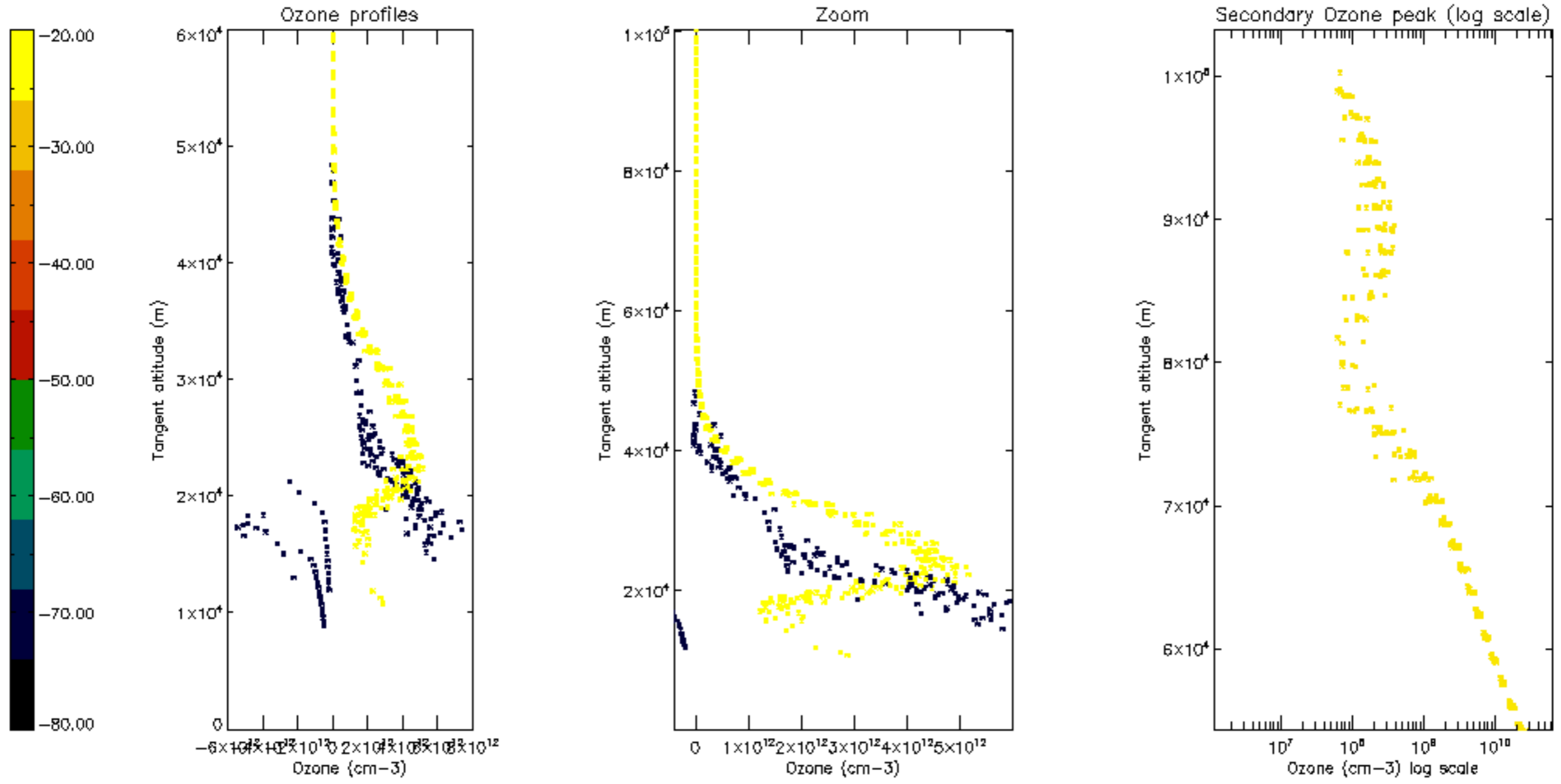
Percentage of star falling outside central band per profile

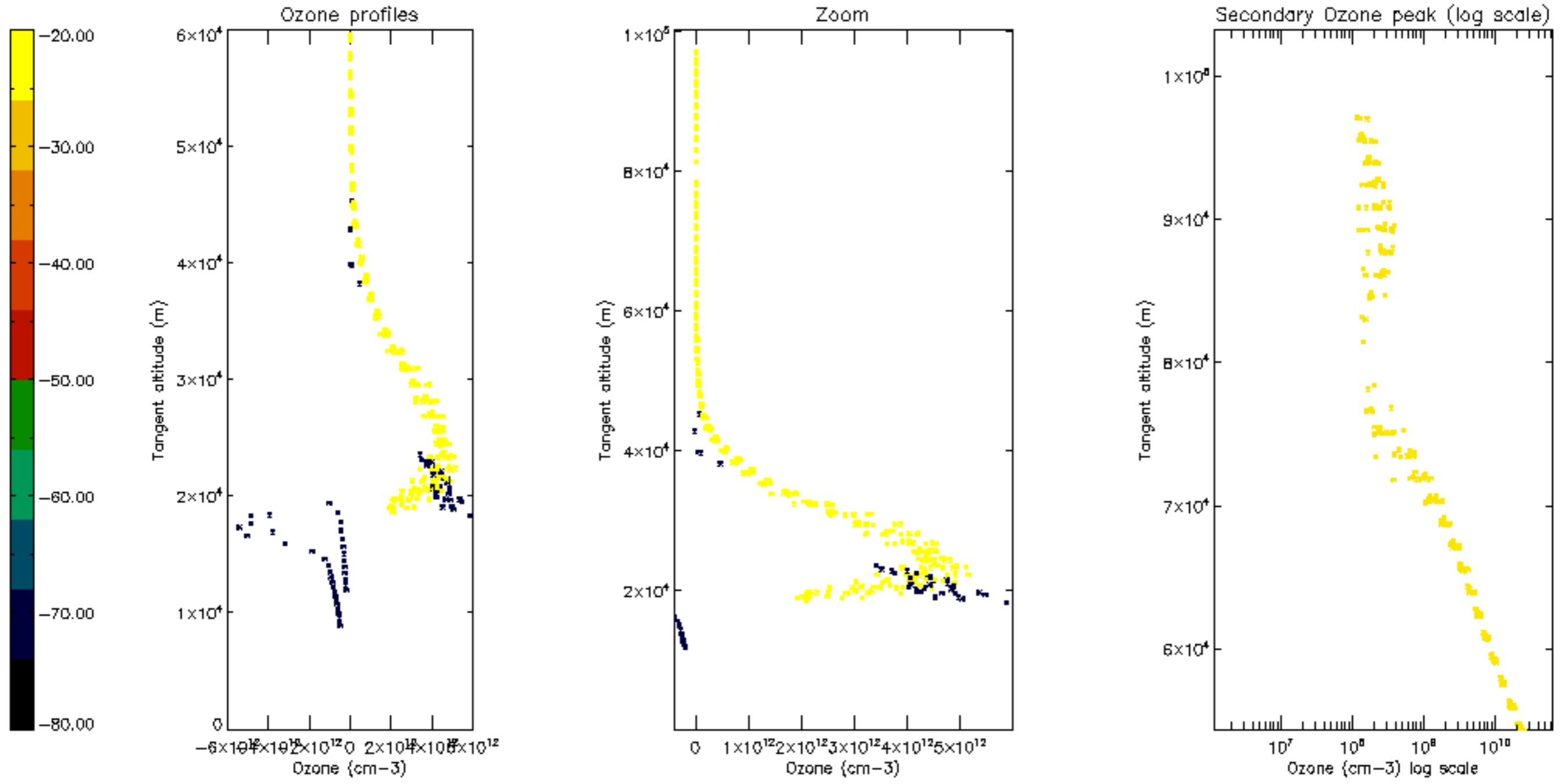


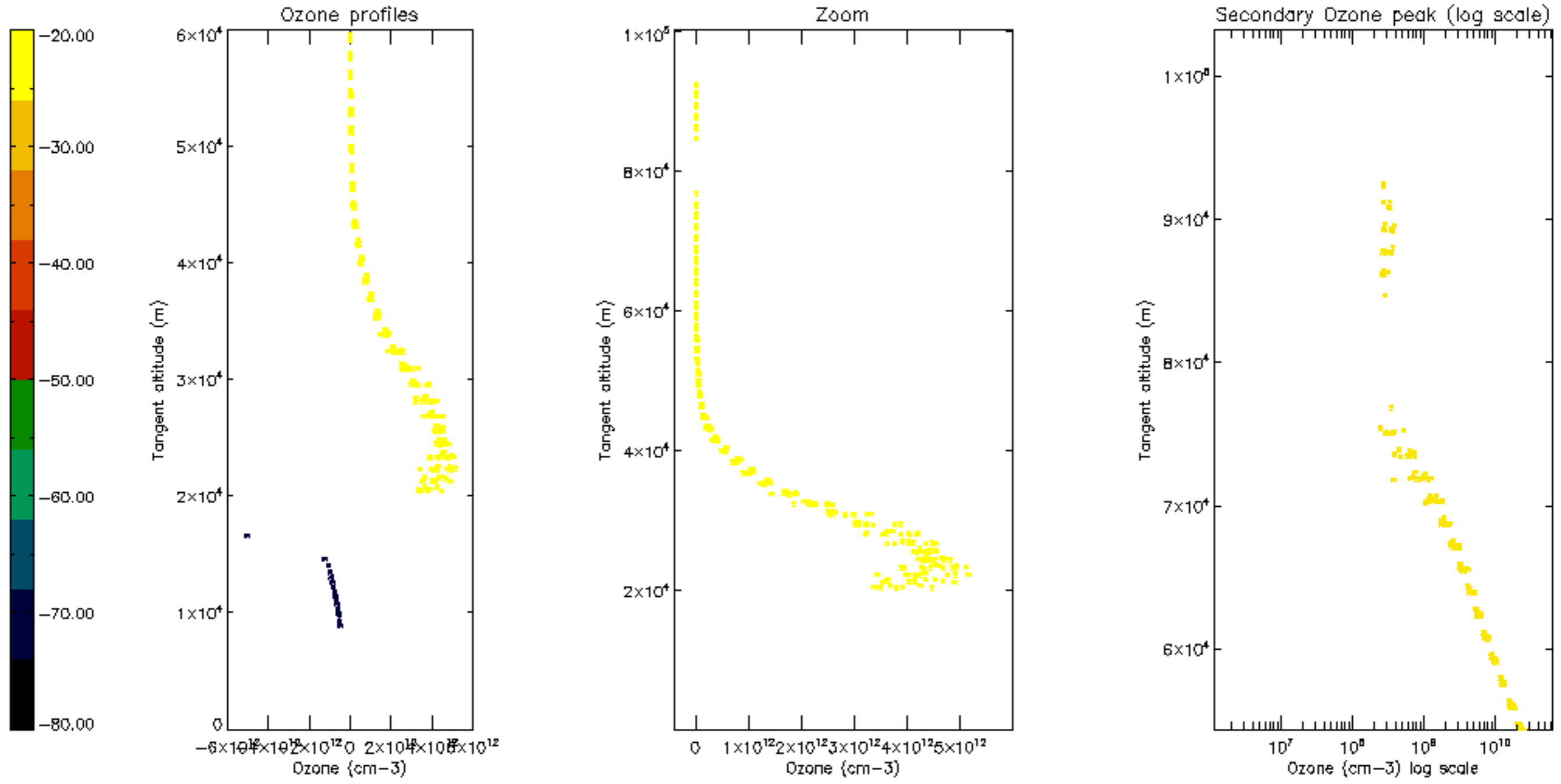
Percentage of saturation errors per profile

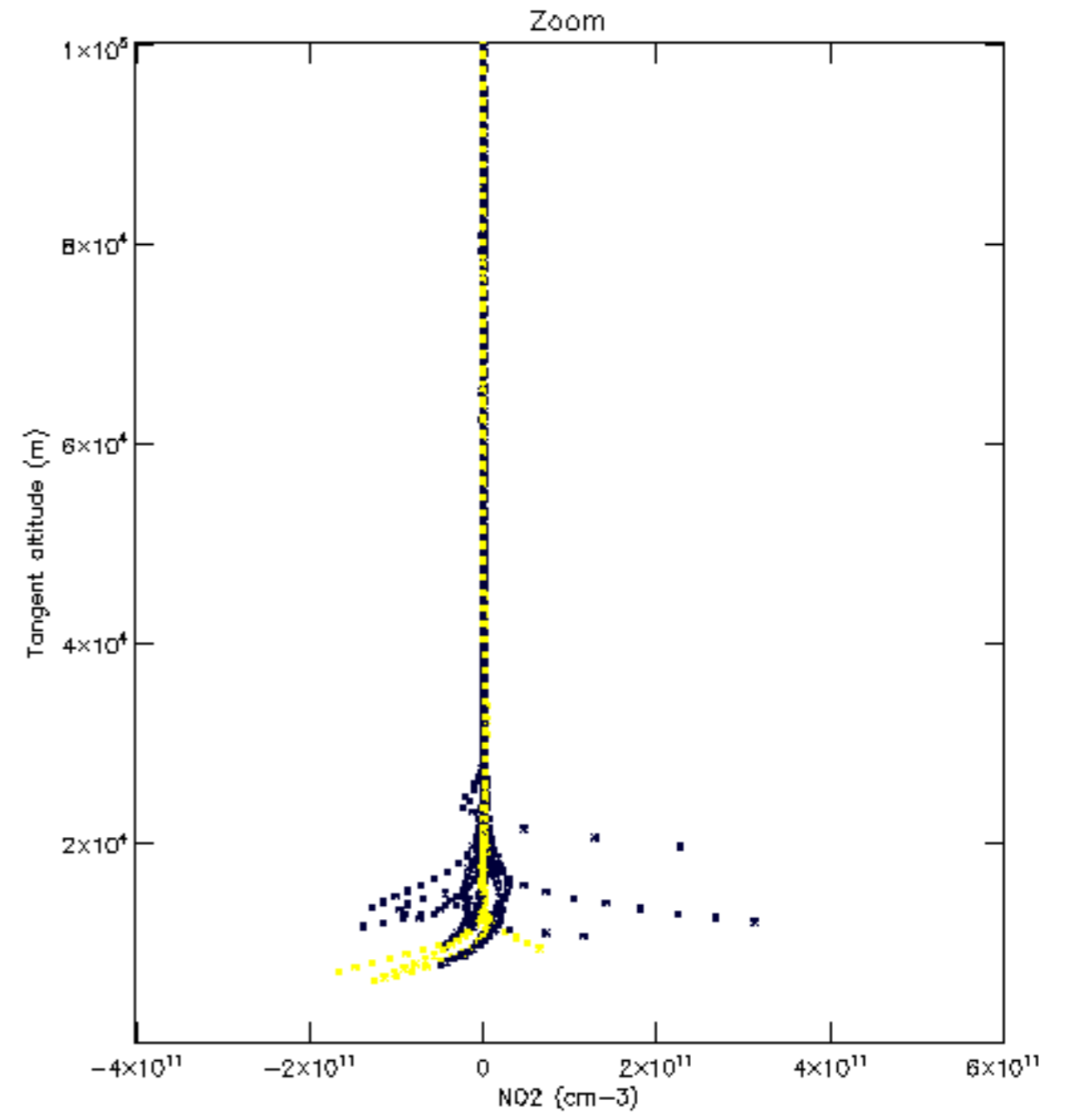
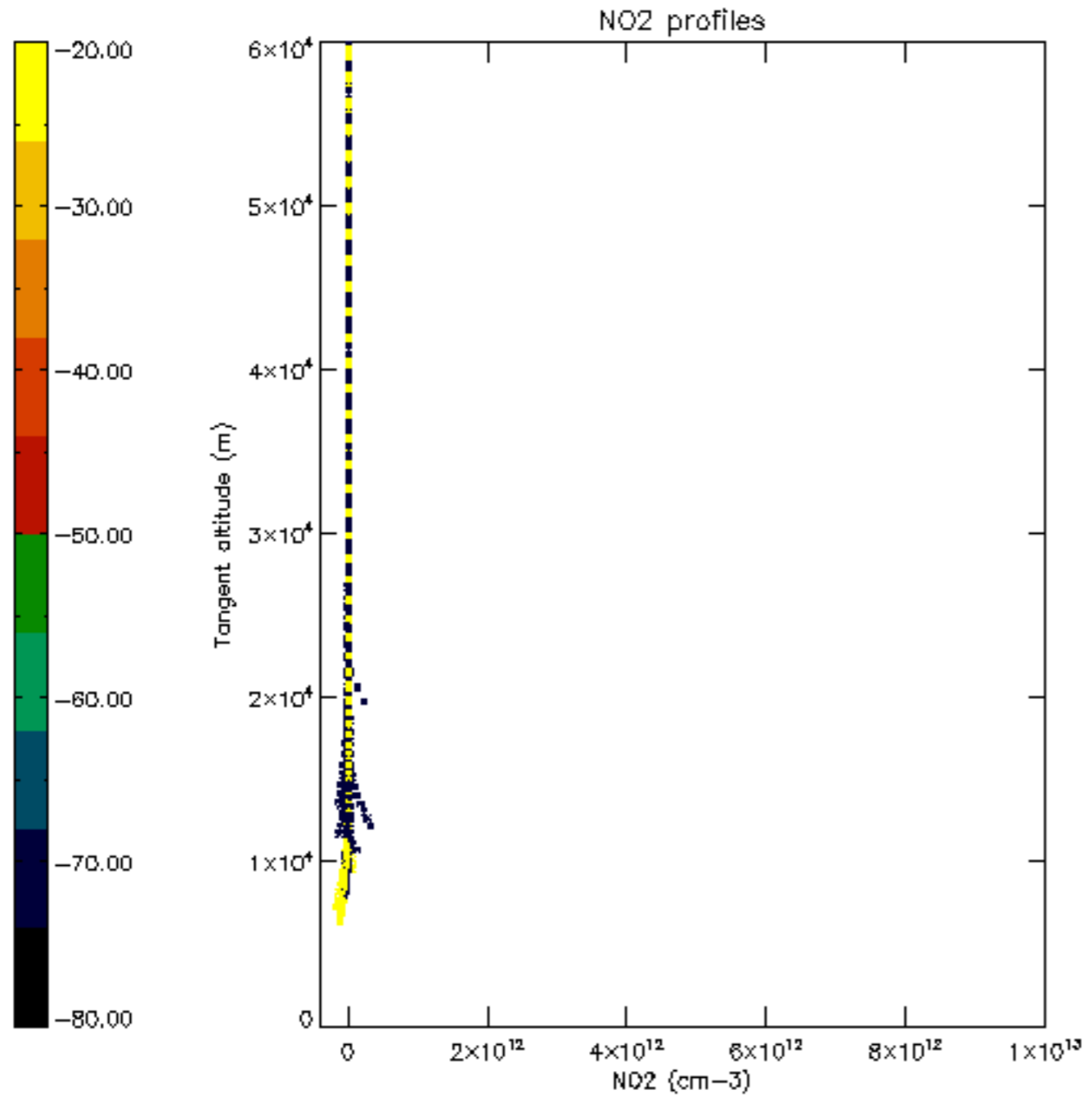


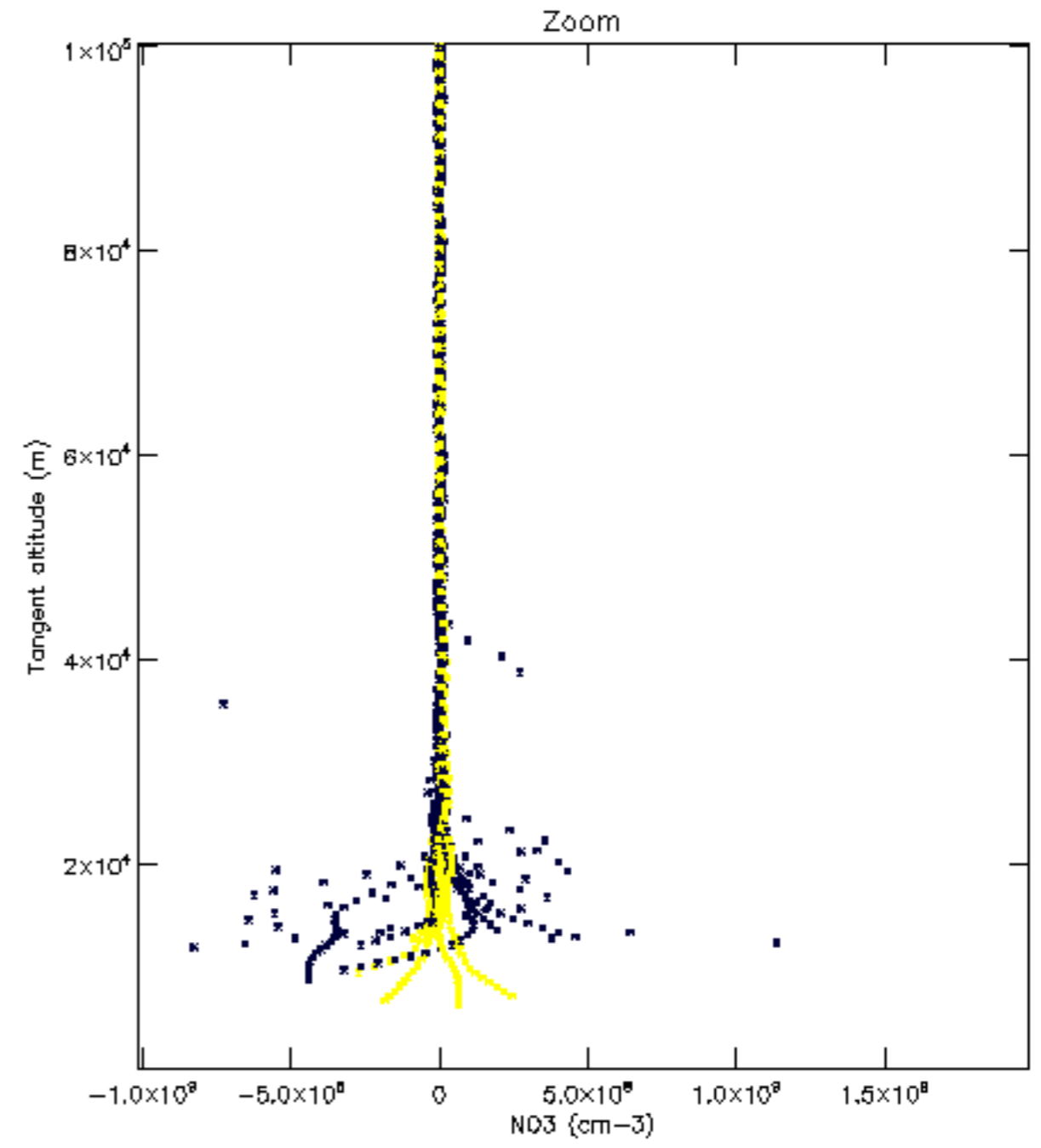
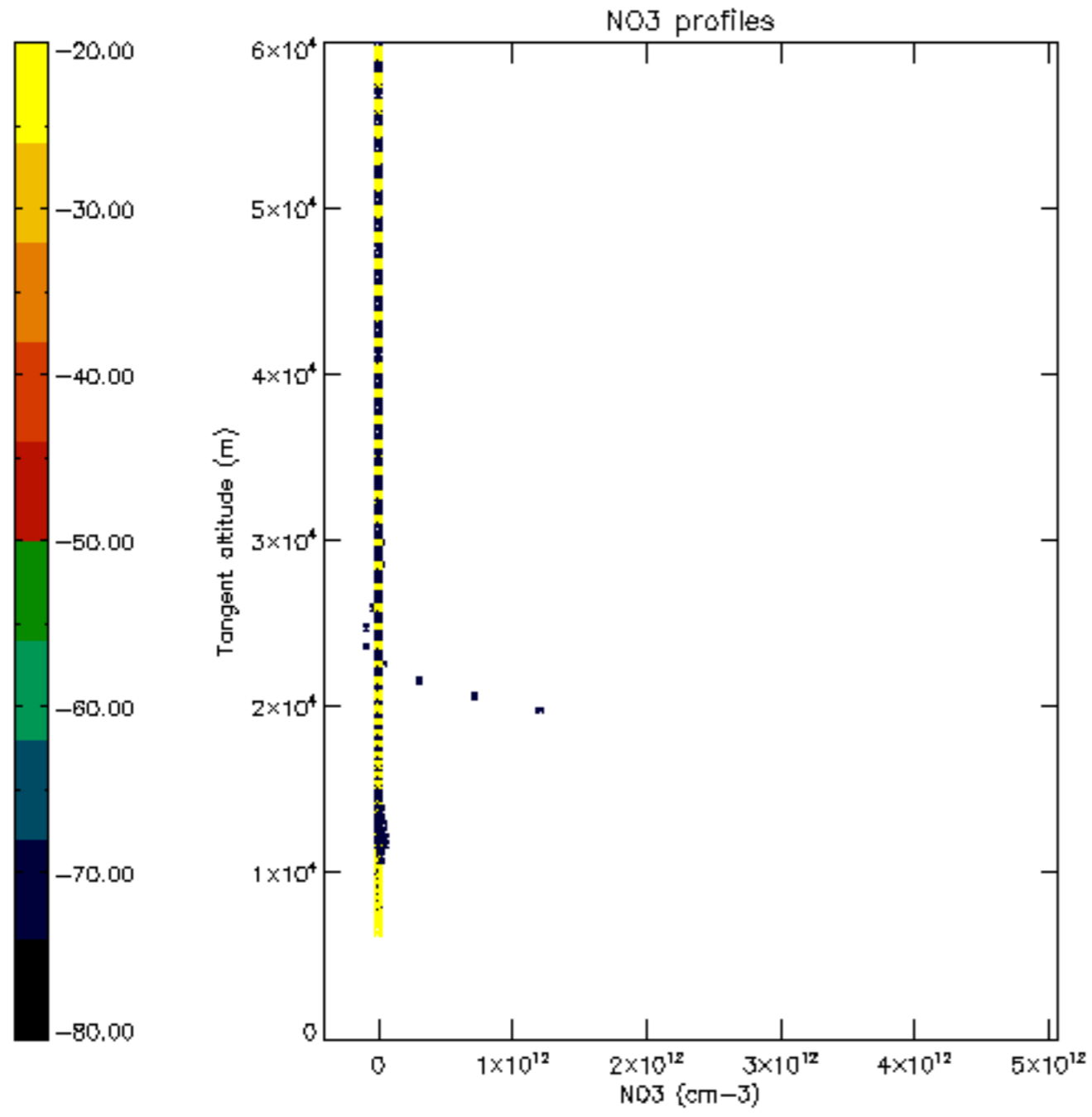




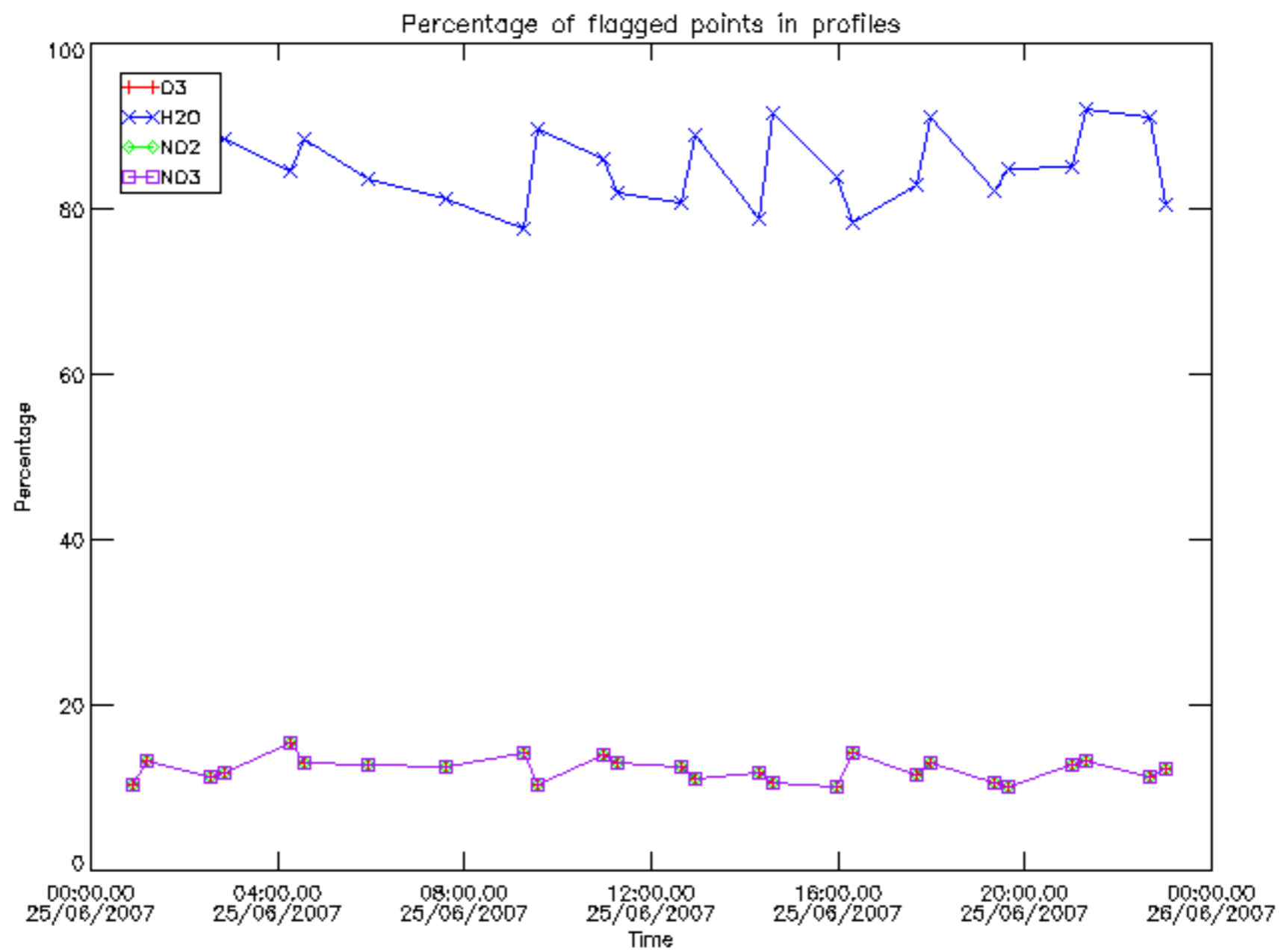




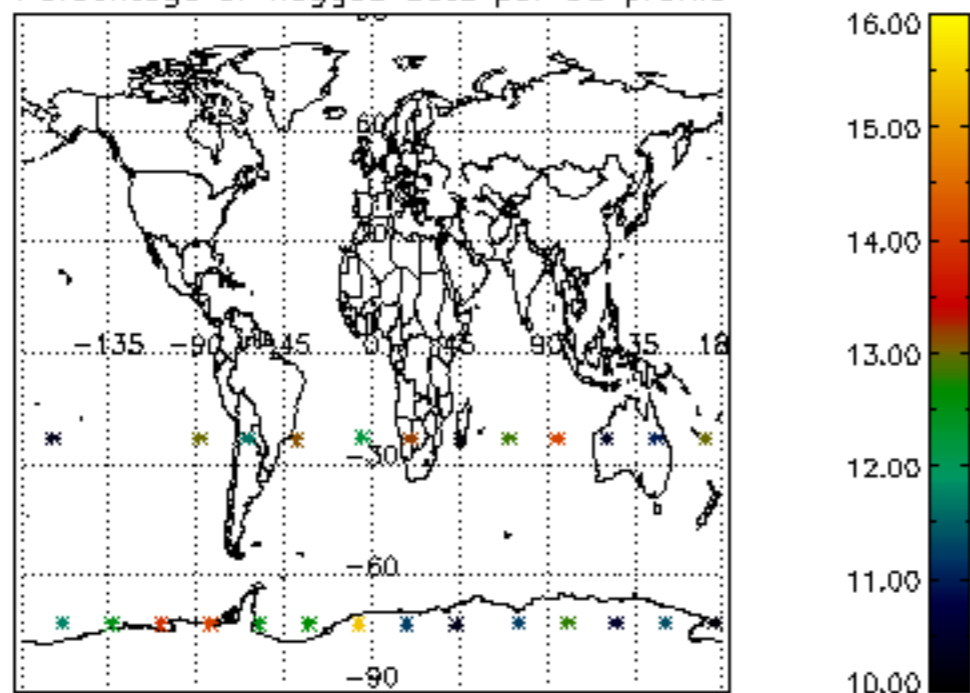




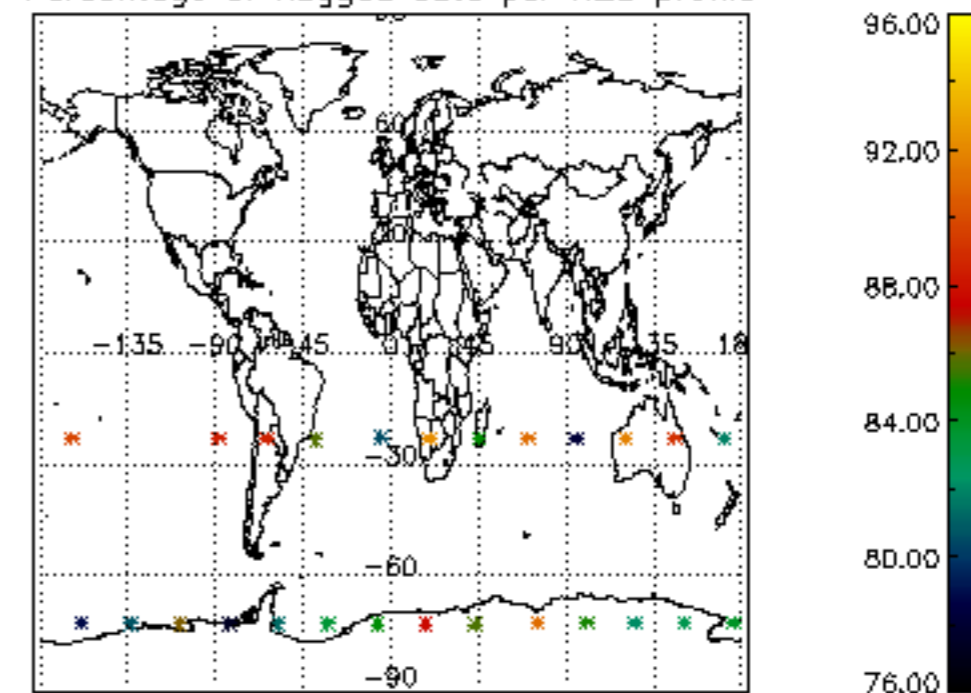




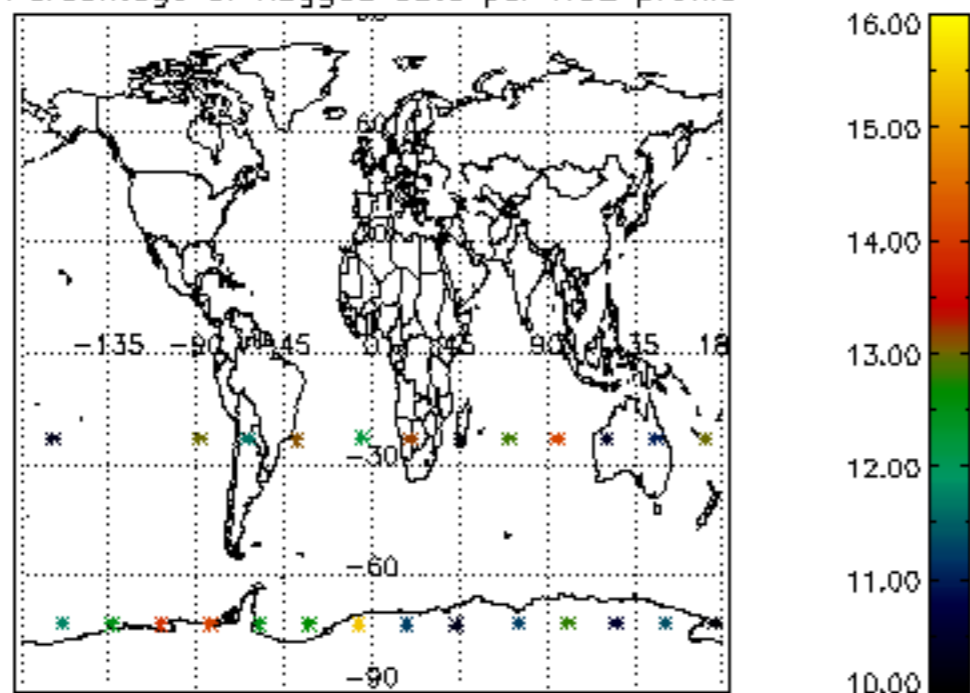
Percentage of flagged data per D3 profile



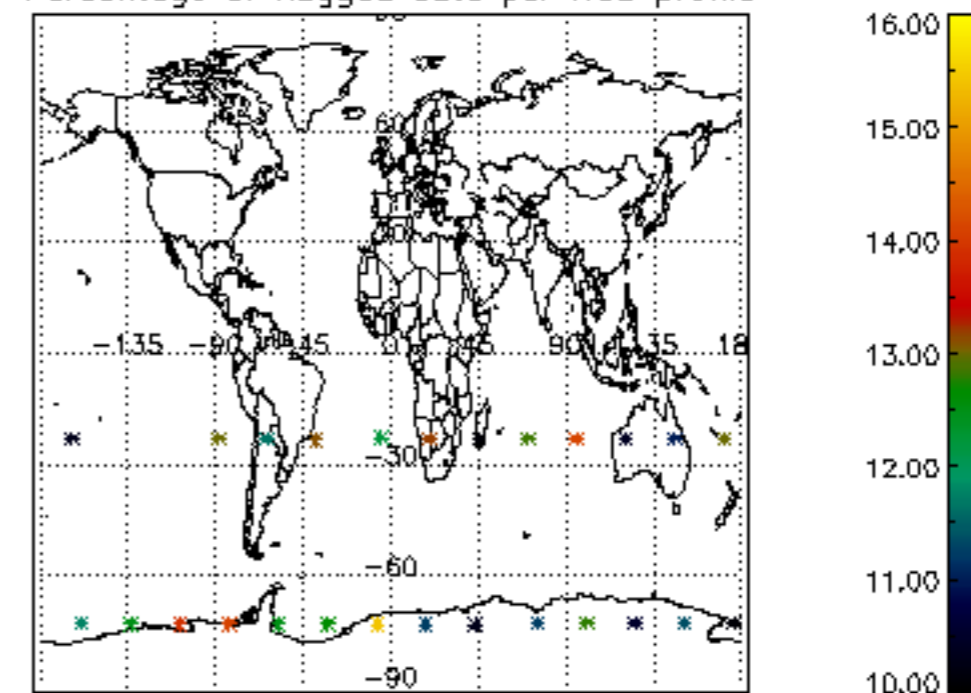
Percentage of flagged data per H2O profile

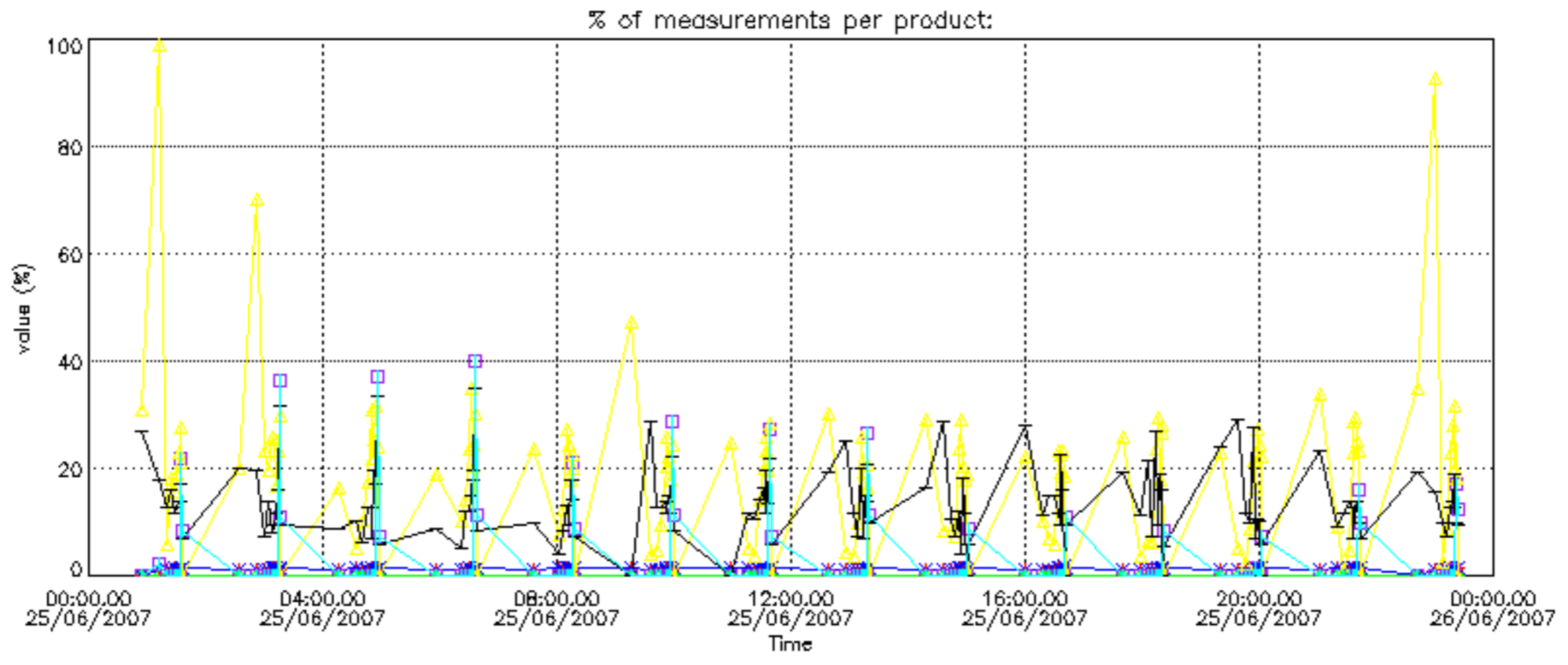


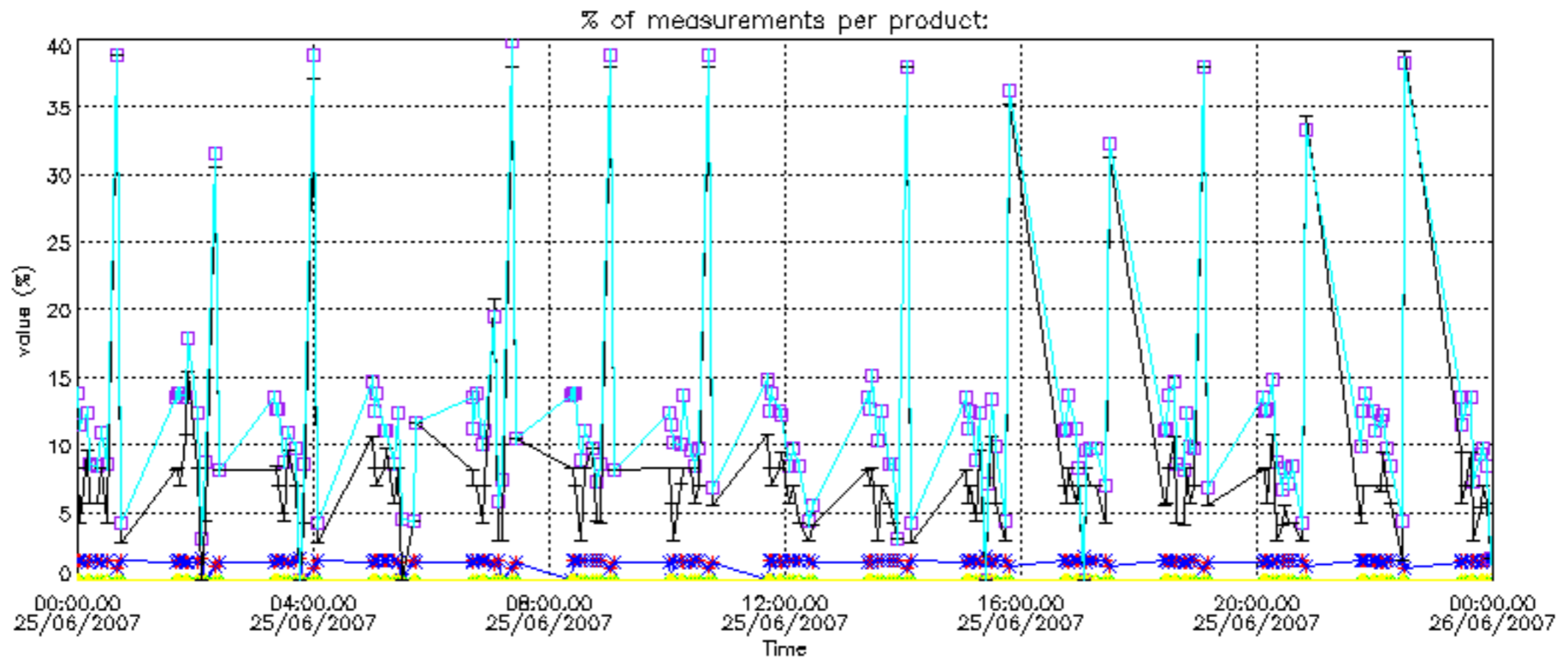
Percentage of flagged data per NO2 profile



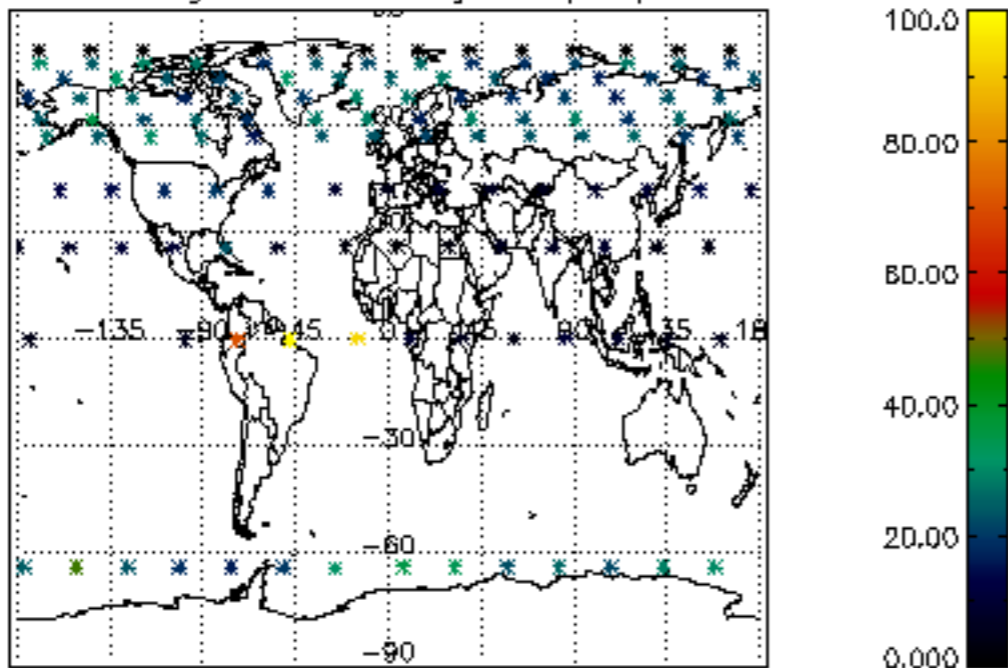
Percentage of flagged data per NO3 profile



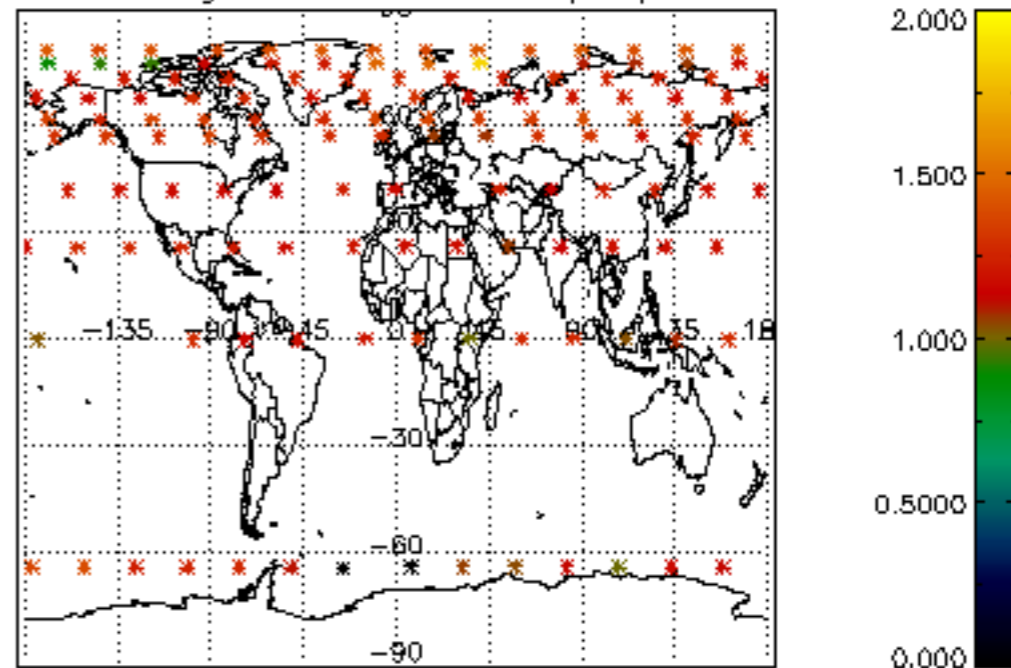




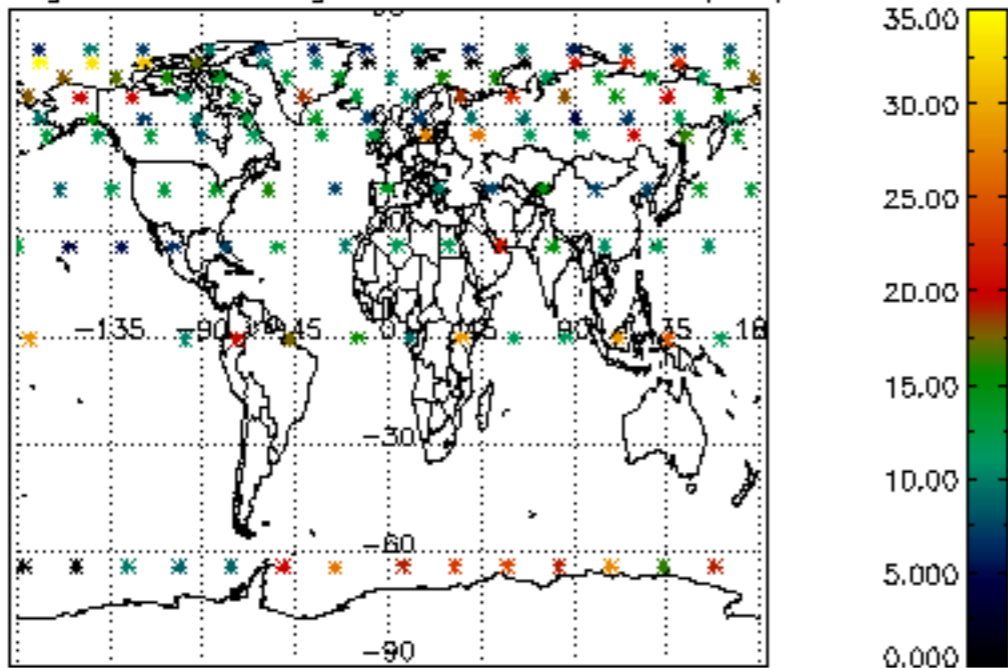
Percentage of cosmic ray hits per profile



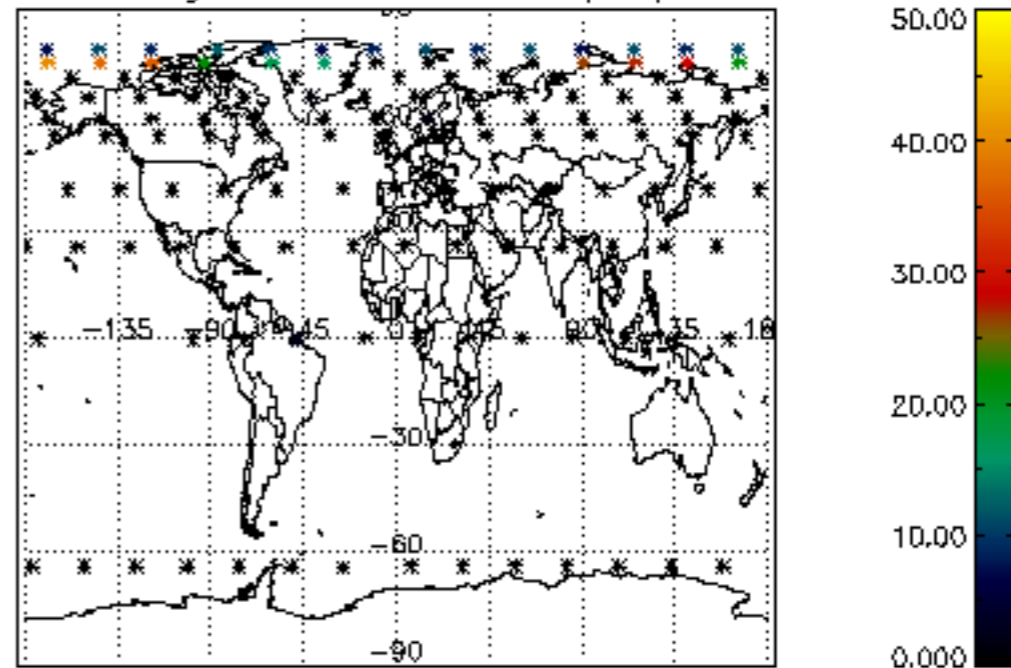
Percentage of datation errors per profile



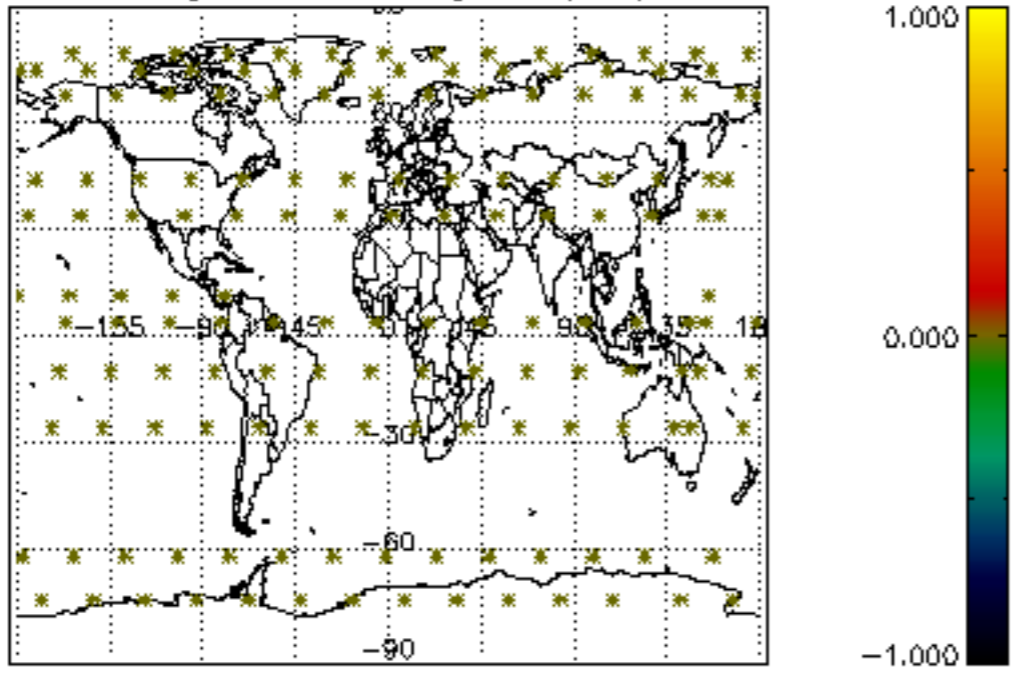
Percentage of star falling outside central band per profile



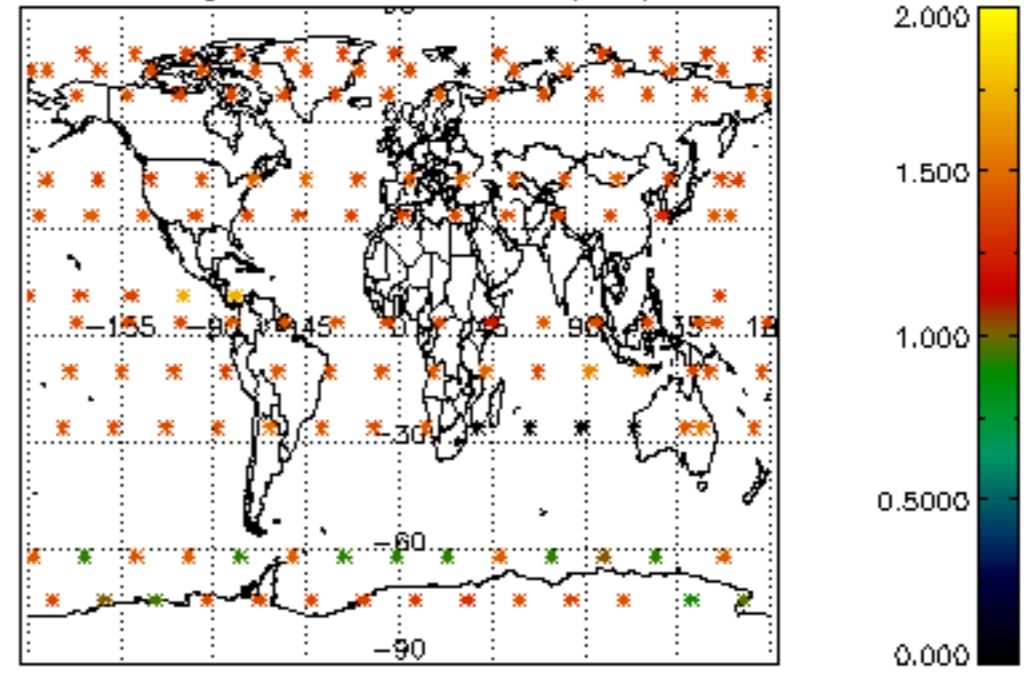
Percentage of saturation errors per profile



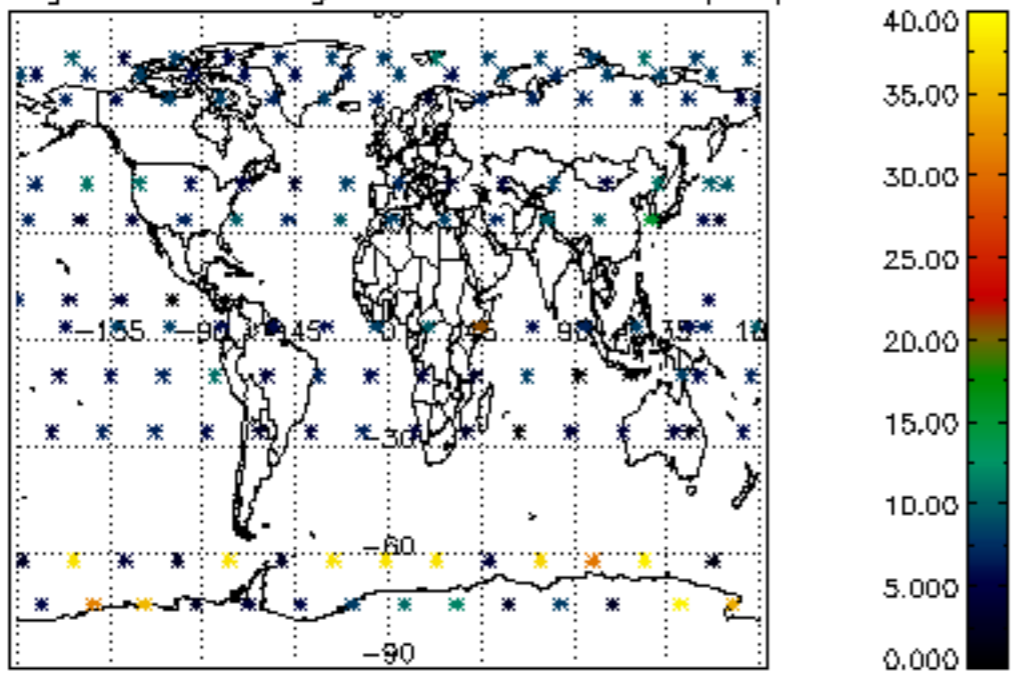
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

