

# GOMOS Level 2 Daily Report

## SUMMARY

### [1. General Info](#)

### [2. Summary of processed GOM\\_NL\\_2P products](#)

### [3. Level 2 Quality information per product](#)

#### [3.1 Plot of level 2 quality information per product \(time dependant\)](#)

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

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

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

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

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

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

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

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

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

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

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

#### [5.3 Plot ozone profiles where STD < 20% \(dark without errors\)](#)

#### [5.4. Plot ozone profiles where STD < 10% \(dark without errors\)](#)

#### [5.5. Plot ozone profiles where STD < 5% \(dark without errors\)](#)

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

#### [5.7 Plot NO3 profiles for all STD \(dark without errors\)](#)

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

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

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

Item	Value
Time of report generation	29APR2013 11:37:57
Data source version	GOMOS/6.01
Start time of products	06-06-2010 (06JUN2010 00:00:00)
Stop time of products	07-06-2010 (07JUN2010 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	306
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__2PRFIN20100606_000357_000000522090_00073_43213_3235.N1	06-JUN-2010 00:03:57	Dark	52.000	140	88Gam Peg	2.8340	26000.	104	43213	No
2	GOM_NL__2PRFIN20100606_001303_000000512090_00073_43213_3236.N1	06-JUN-2010 00:13:03	Dark	50.500	52	16Bet Cet	2.0370	4500.0	101	43213	No
3	GOM_NL__2PRFIN20100606_001940_000000442090_00073_43213_3237.N1	06-JUN-2010 00:19:40	Dark	43.500	84	Alp Phe	2.3970	4500.0	87	43213	No
4	GOM_NL__2PRFIN20100606_002231_000000562090_00073_43213_3238.N1	06-JUN-2010 00:22:31	Dark	55.500	18	24Alp PsA	1.1660	9700.0	111	43213	No
5	GOM_NL__2PRFIN20100606_002519_000000612090_00074_43214_3245.N1	06-JUN-2010 00:25:19	Dark	61.000	63	Bet Gru	2.1500	2800.0	122	43214	No
6	GOM_NL__2PRFIN20100606_002717_000000472090_00074_43214_3246.N1	06-JUN-2010 00:27:17	Dark	47.000	31	Alp Gru	1.7340	15200.	94	43214	No
7	GOM_NL__2PRFIN20100606_003156_000000422090_00074_43214_3247.N1	06-JUN-2010 00:31:56	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	43214	No
8	GOM_NL__2PRFIN20100606_004047_000000522090_00074_43214_3248.N1	06-JUN-2010 00:40:47	Straylight	51.500	40	The Sco	1.8590	7100.0	103	43214	No
9	GOM_NL__2PRFIN20100606_004233_000000452090_00074_43214_3249.N1	06-JUN-2010 00:42:33	Twilight	45.000	25	35Lam Sco	1.6200	28000.	90	43214	No
10	GOM_NL__2PRFIN20100606_004412_000000452090_00074_43214_3250.N1	06-JUN-2010 00:44:12	Twilight	45.000	75	26Eps Sco	2.2910	4250.0	90	43214	No
11	GOM_NL__2PRFIN20100606_004611_000000482090_00074_43214_3251.N1	06-JUN-2010 00:46:11	Bright	48.000	136	23Tau Sco	2.8220	30000.	96	43214	No
12	GOM_NL__2PRFIN20100606_004940_000000452090_00074_43214_3252.N1	06-JUN-2010 00:49:40	Bright	44.500	86	35Eta Oph	2.4300	10200.	89	43214	No
13	GOM_NL__2PRFIN20100606_005128_000000412090_00074_43214_3253.N1	06-JUN-2010 00:51:28	Bright	40.500	98	13Zet Oph	2.5710	30000.	81	43214	No
14	GOM_NL__2PRFIN20100606_005337_000000382090_00074_43214_3254.N1	06-JUN-2010 00:53:37	Bright	38.000	120	1Del Oph	2.7340	3200.0	76	43214	No
15	GOM_NL__2PRFIN20100606_010123_000000422090_00074_43214_3255.N1	06-JUN-2010 01:01:23	Bright	41.500	127	27Bet Her	2.7810	4700.0	83	43214	No
16	GOM_NL__2PRFIN20100606_010440_000000442090_00074_43214_3256.N1	06-JUN-2010 01:04:40	Bright	43.500	133	40Zet Her	2.8070	6000.0	87	43214	No
17	GOM_NL__2PRFIN20100606_011158_000000452090_00074_43214_3257.N1	06-JUN-2010 01:11:58	Bright	45.000	130	23Bet Dra	2.7990	5800.0	90	43214	No
18	GOM_NL__2PRFIN20100606_012249_000000472090_00074_43214_3258.N1	06-JUN-2010 01:22:49	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	43214	No
19	GOM_NL__2PRFIN20100606_012824_000000572090_00074_43214_3259.N1	06-JUN-2010 01:28:24	Bright	57.000	76	27Gam Cas	2.3000	30000.	114	43214	No
20	GOM_NL__2PRFIN20100606_013404_000000382090_00074_43214_3260.N1	06-JUN-2010 01:34:04	Bright	37.500	73	57Gam1And	2.2600	13100.	75	43214	No
21	GOM_NL__2PRFIN20100606_013623_000000572090_00074_43214_3261.N1	06-JUN-2010 01:36:23	Bright	56.500	53	43Bet And	2.0480	3300.0	113	43214	No
22	GOM_NL__2PRFIN20100606_013913_000000372090_00074_43214_3262.N1	06-JUN-2010 01:39:13	Twilight	37.000	58	21Alp And	2.0730	11000.	74	43214	No
23	GOM_NL__2PRFIN20100606_014028_000000422090_00074_43214_3263.N1	06-JUN-2010 01:40:28	Twilight	42.000	105	6Bet Ari	2.6450	8900.0	84	43214	No
24	GOM_NL__2PRFIN20100606_014434_000000442090_00074_43214_3264.N1	06-JUN-2010 01:44:34	Dark	43.500	140	88Gam Peg	2.8340	26000.	87	43214	No
25	GOM_NL__2PRFIN20100606_015340_000000512090_00074_43214_3265.N1	06-JUN-2010 01:53:40	Dark	51.000	52	16Bet Cet	2.0370	4500.0	102	43214	No
26	GOM_NL__2PRFIN20100606_020017_000000442090_00074_43214_3266.N1	06-JUN-2010 02:00:17	Dark	43.500	84	Alp Phe	2.3970	4500.0	87	43214	No
27	GOM_NL__2PRFIN20100606_020308_000000712090_00074_43214_3267.N1	06-JUN-2010 02:03:08	Dark	70.500	18	24Alp PsA	1.1660	9700.0	141	43214	No
28	GOM_NL__2PRFIN20100606_020556_000000572090_00075_43215_3253.N1	06-JUN-2010 02:05:56	Dark	56.500	63	Bet Gru	2.1500	2800.0	113	43215	No
29	GOM_NL__2PRFIN20100606_020753_000000532090_00075_43215_3254.N1	06-JUN-2010 02:07:53	Dark	52.500	31	Alp Gru	1.7340	15200.	105	43215	No
30	GOM_NL__2PRFIN20100606_021233_000000462090_00075_43215_3255.N1	06-JUN-2010 02:12:33	Straylight	45.500	45	Alp Pav	1.9400	26000.	91	43215	No
31	GOM_NL__2PRFIN20100606_022123_000000442090_00075_43215_3256.N1	06-JUN-2010 02:21:23	Straylight	44.000	40	The Sco	1.8590	7100.0	88	43215	No
32	GOM_NL__2PRFIN20100606_022310_000000472090_00075_43215_3257.N1	06-JUN-2010 02:23:10	Twilight	46.500	25	35Lam Sco	1.6200	28000.	93	43215	No
33	GOM_NL__2PRFIN20100606_022449_000000462090_00075_43215_3258.N1	06-JUN-2010 02:24:49	Twilight	45.500	75	26Eps Sco	2.2910	4250.0	91	43215	No
34	GOM_NL__2PRFIN20100606_022647_000000462090_00075_43215_3259.N1	06-JUN-2010 02:26:47	Bright	46.000	136	23Tau Sco	2.8220	30000.	92	43215	No
35	GOM_NL__2PRFIN20100606_023016_000000442090_00075_43215_3260.N1	06-JUN-2010 02:30:16	Bright	44.000	86	35Eta Oph	2.4300	10200.	88	43215	No
36	GOM_NL__2PRFIN20100606_023204_000000402090_00075_43215_3261.N1	06-JUN-2010 02:32:04	Bright	40.000	98	13Zet Oph	2.5710	30000.	80	43215	No
37	GOM_NL__2PRFIN20100606_023413_000000382090_00075_43215_3262.N1	06-JUN-2010 02:34:13	Bright	38.000	120	1Del Oph	2.7340	3200.0	76	43215	No
38	GOM_NL__2PRFIN20100606_024159_000000422090_00075_43215_3263.N1	06-JUN-2010 02:41:59	Bright	42.000	127	27Bet Her	2.7810	4700.0	84	43215	No
39	GOM_NL__2PRFIN20100606_024516_000000412090_00075_43215_3264.N1	06-JUN-2010 02:45:16	Bright	40.500	133	40Zet Her	2.8070	6000.0	81	43215	No
40	GOM_NL__2PRFIN20100606_025233_000000402090_00075_43215_3265.N1	06-JUN-2010 02:52:33	Bright	40.000	130	23Bet Dra	2.7990	5800.0	80	43215	No
41	GOM_NL__2PRFIN20100606_030325_000000482090_00075_43215_3266.N1	06-JUN-2010 03:03:25	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	43215	No
42	GOM_NL__2PRFIN20100606_030859_000000392090_00075_43215_3267.N1	06-JUN-2010 03:08:59	Bright	39.000	76	27Gam Cas	2.3000	30000.	78	43215	No







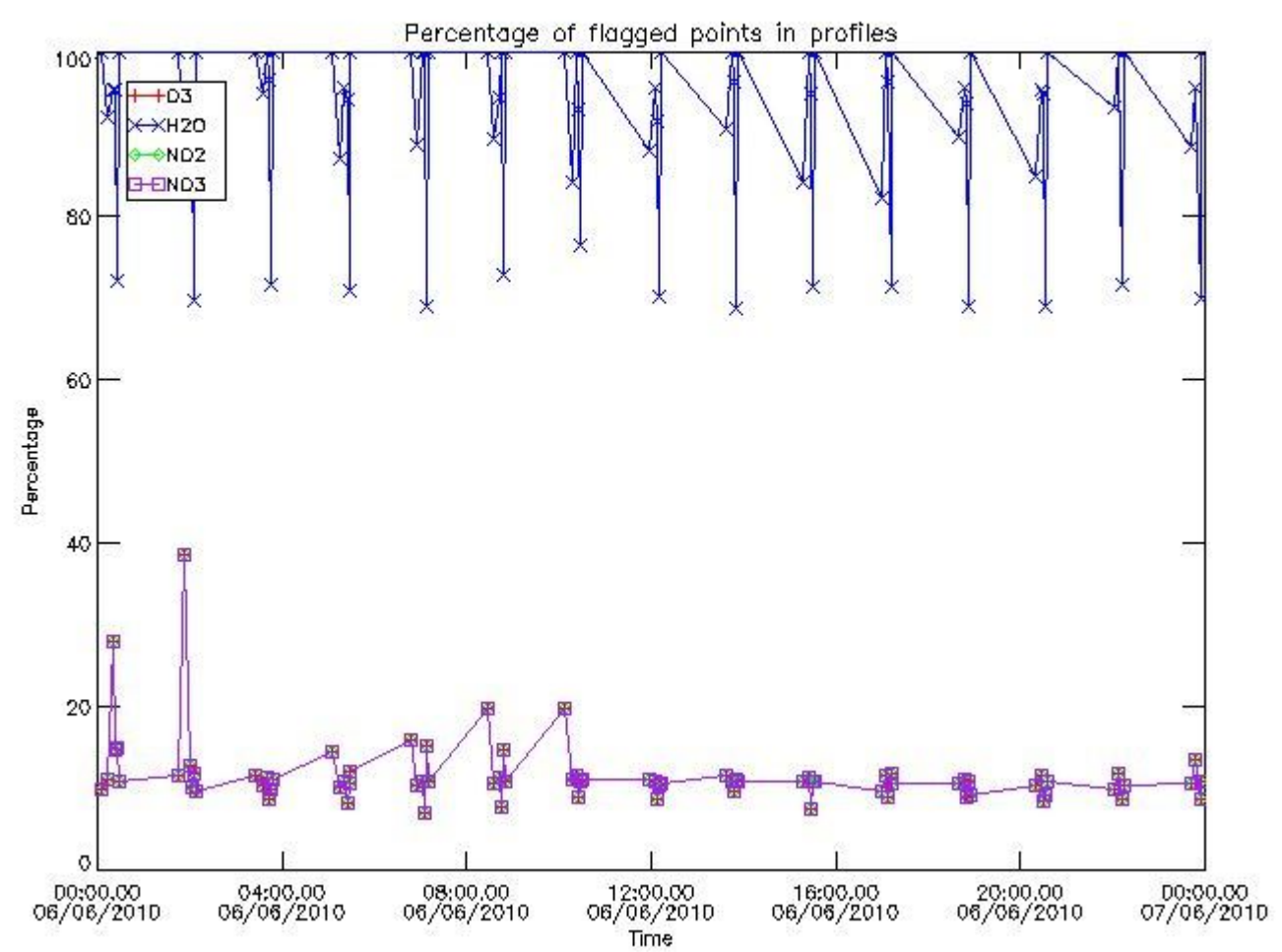


279	GOM_NL__2PRFIN20100606_213533_000000572090_00086_43226_3375.N1	06-JUN-2010 21:35:33	Bright	57.000	76	27Gam Cas	2.3000	30000.	114	43226	No
280	GOM_NL__2PRFIN20100606_214116_000000382090_00086_43226_3376.N1	06-JUN-2010 21:41:16	Bright	37.500	73	57Gam1And	2.2600	13100.	75	43226	No
281	GOM_NL__2PRFIN20100606_214335_000000602090_00086_43226_3377.N1	06-JUN-2010 21:43:35	Bright	60.000	53	43Bet And	2.0480	3300.0	120	43226	No
282	GOM_NL__2PRFIN20100606_214743_000000392090_00086_43226_3378.N1	06-JUN-2010 21:47:43	Twilight	39.000	105	6Bet Ari	2.6450	8900.0	78	43226	No
283	GOM_NL__2PRFIN20100606_220100_000000522090_00086_43226_3379.N1	06-JUN-2010 22:01:00	Dark	51.500	52	16Bet Cet	2.0370	4500.0	103	43226	No
284	GOM_NL__2PRFIN20100606_220736_000000432090_00086_43226_3380.N1	06-JUN-2010 22:07:36	Dark	43.000	84	Alp Phe	2.3970	4500.0	86	43226	No
285	GOM_NL__2PRFIN20100606_221318_000000592090_00087_43227_3369.N1	06-JUN-2010 22:13:18	Dark	58.500	63	Bet Gru	2.1500	2800.0	117	43227	No
286	GOM_NL__2PRFIN20100606_221517_000000502090_00087_43227_3370.N1	06-JUN-2010 22:15:17	Dark	49.500	31	Alp Gru	1.7340	15200.	99	43227	No
287	GOM_NL__2PRFIN20100606_221952_000000432090_00087_43227_3371.N1	06-JUN-2010 22:19:52	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	43227	No
288	GOM_NL__2PRFIN20100606_222840_000000452090_00087_43227_3372.N1	06-JUN-2010 22:28:40	Straylight	44.500	40	The Sco	1.8590	7100.0	89	43227	No
289	GOM_NL__2PRFIN20100606_223025_000000462090_00087_43227_3373.N1	06-JUN-2010 22:30:25	Tw_i_and_stray	46.000	25	35Lam Sco	1.6200	28000.	92	43227	No
290	GOM_NL__2PRFIN20100606_223203_000000442090_00087_43227_3374.N1	06-JUN-2010 22:32:03	Tw_i_and_stray	44.000	75	26Eps Sco	2.2910	4250.0	88	43227	No
291	GOM_NL__2PRFIN20100606_223401_000000412090_00087_43227_3375.N1	06-JUN-2010 22:34:01	Bright	40.500	136	23Tau Sco	2.8220	30000.	81	43227	No
292	GOM_NL__2PRFIN20100606_223728_000000442090_00087_43227_3376.N1	06-JUN-2010 22:37:28	Bright	43.500	86	35Eta Oph	2.4300	10200.	87	43227	No
293	GOM_NL__2PRFIN20100606_223916_000000412090_00087_43227_3377.N1	06-JUN-2010 22:39:16	Bright	40.500	98	13Zet Oph	2.5710	30000.	81	43227	No
294	GOM_NL__2PRFIN20100606_224124_000000382090_00087_43227_3378.N1	06-JUN-2010 22:41:24	Bright	37.500	120	1Del Oph	2.7340	3200.0	75	43227	No
295	GOM_NL__2PRFIN20100606_224907_000000392090_00087_43227_3379.N1	06-JUN-2010 22:49:07	Bright	38.500	127	27Bet Her	2.7810	4700.0	77	43227	No
296	GOM_NL__2PRFIN20100606_225223_000000412090_00087_43227_3380.N1	06-JUN-2010 22:52:23	Bright	40.500	133	40Zet Her	2.8070	6000.0	81	43227	No
297	GOM_NL__2PRFIN20100606_225938_000000432090_00087_43227_3381.N1	06-JUN-2010 22:59:38	Bright	43.000	130	23Bet Dra	2.7990	5800.0	86	43227	No
298	GOM_NL__2PRFIN20100606_231028_000000482090_00087_43227_3382.N1	06-JUN-2010 23:10:28	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	43227	No
299	GOM_NL__2PRFIN20100606_231609_000000412090_00087_43227_3383.N1	06-JUN-2010 23:16:09	Bright	41.000	76	27Gam Cas	2.3000	30000.	82	43227	No
300	GOM_NL__2PRFIN20100606_232152_000000372090_00087_43227_3384.N1	06-JUN-2010 23:21:52	Bright	37.000	73	57Gam1And	2.2600	13100.	74	43227	No
301	GOM_NL__2PRFIN20100606_232411_000000572090_00087_43227_3385.N1	06-JUN-2010 23:24:11	Bright	57.000	53	43Bet And	2.0480	3300.0	114	43227	No
302	GOM_NL__2PRFIN20100606_232819_000000432090_00087_43227_3386.N1	06-JUN-2010 23:28:19	Twilight	43.000	105	6Bet Ari	2.6450	8900.0	86	43227	No
303	GOM_NL__2PRFIN20100606_234137_000000532090_00087_43227_3387.N1	06-JUN-2010 23:41:37	Dark	52.500	52	16Bet Cet	2.0370	4500.0	105	43227	No
304	GOM_NL__2PRFIN20100606_234812_000000462090_00087_43227_3388.N1	06-JUN-2010 23:48:12	Dark	45.500	84	Alp Phe	2.3970	4500.0	91	43227	No
305	GOM_NL__2PRFIN20100606_235355_000000592090_00088_43228_3377.N1	06-JUN-2010 23:53:55	Dark	58.500	63	Bet Gru	2.1500	2800.0	117	43228	No
306	GOM_NL__2PRFIN20100606_235553_000000472090_00088_43228_3378.N1	06-JUN-2010 23:55:53	Dark	46.500	31	Alp Gru	1.7340	15200.	93	43228	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.

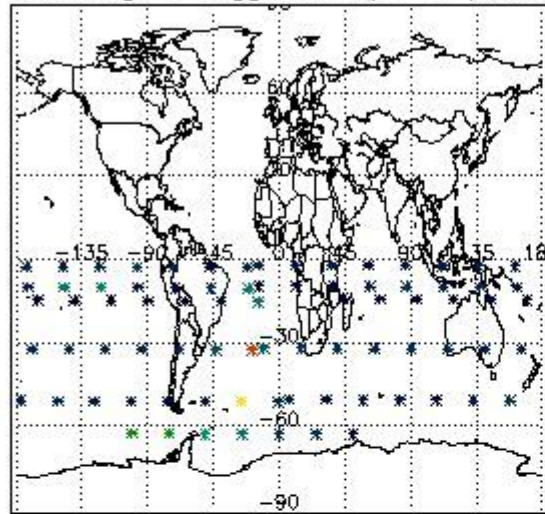
#### 3.1 Plot quality information per product (time dependant)



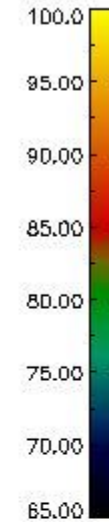
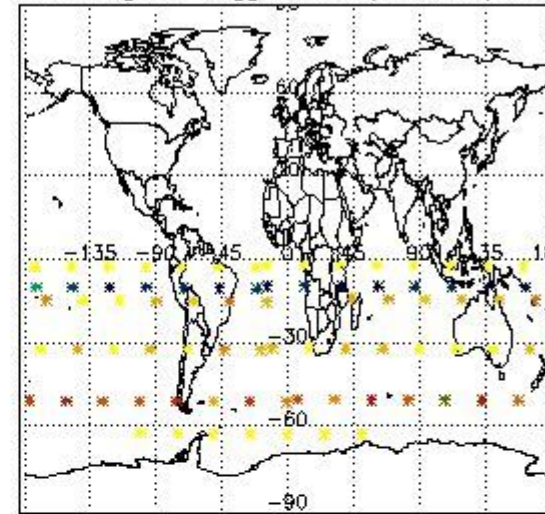
3.2 Plot quality information per product (world map)



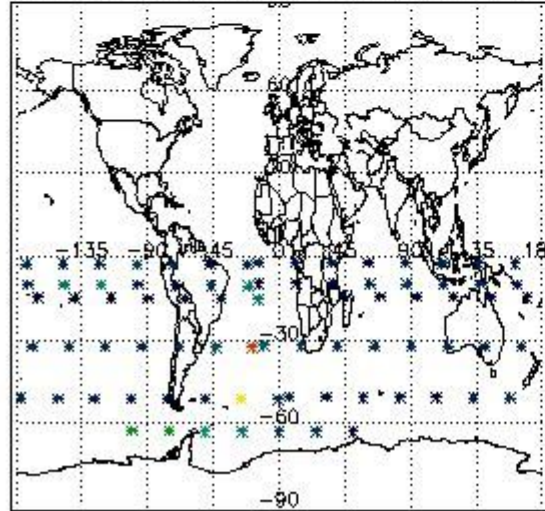
Percentage of flagged data per O3 profile



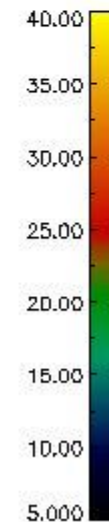
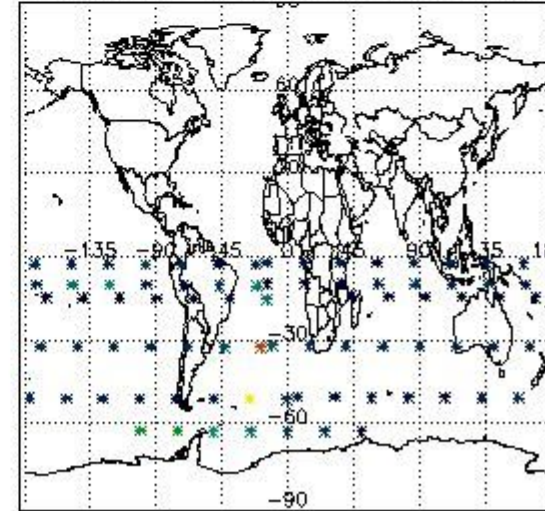
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

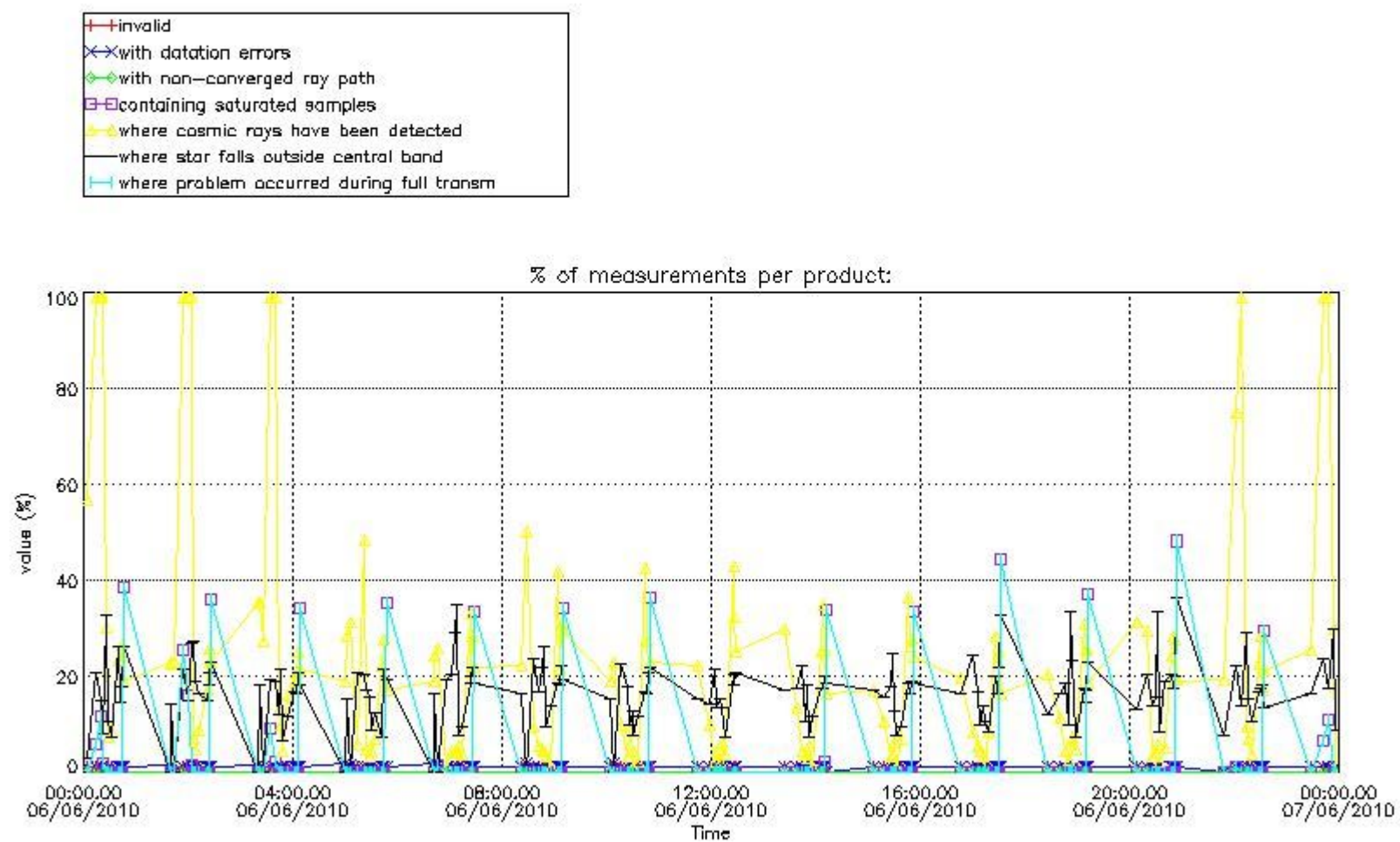


#### 4. Level 1 quality information per product

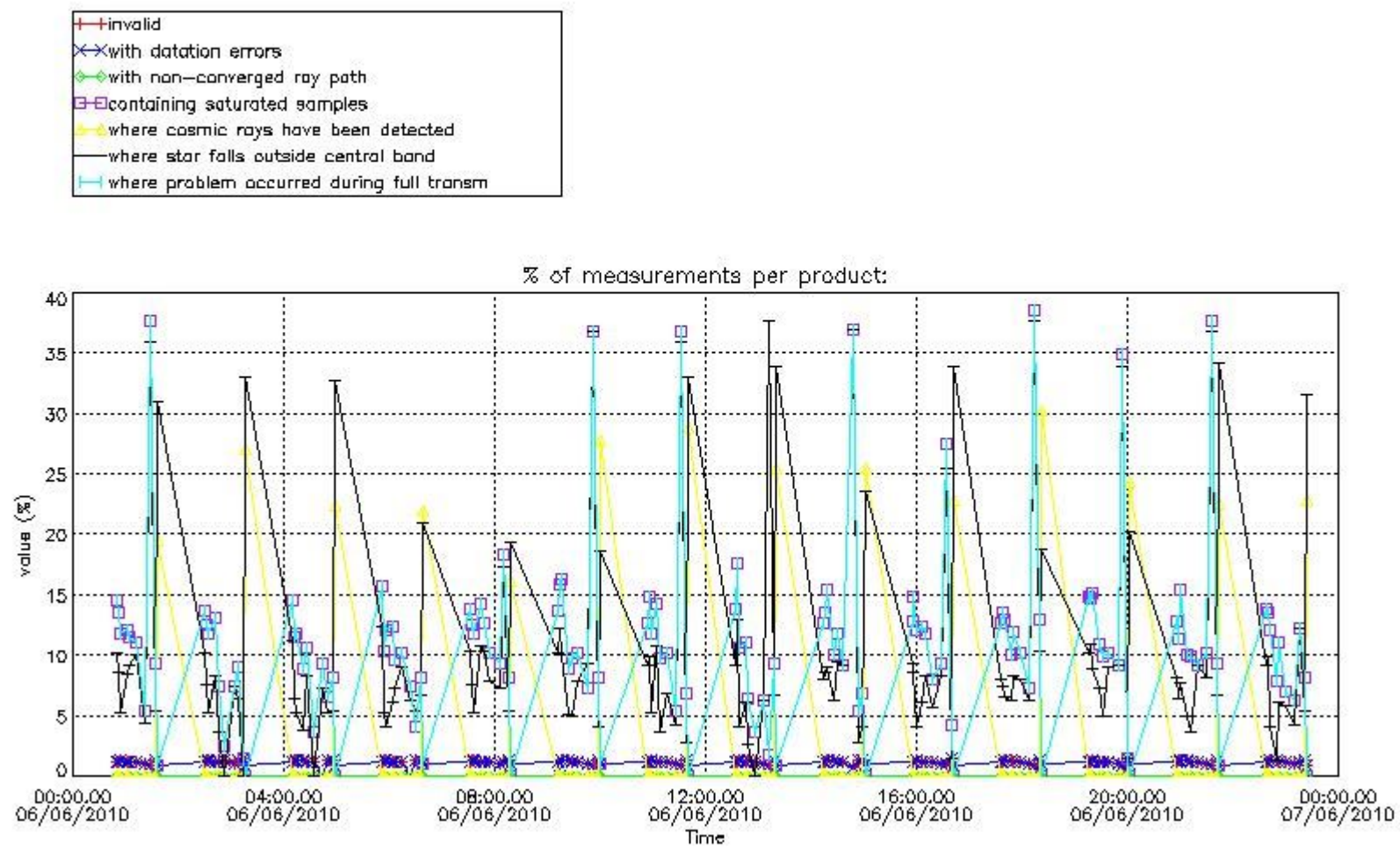
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

##### 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



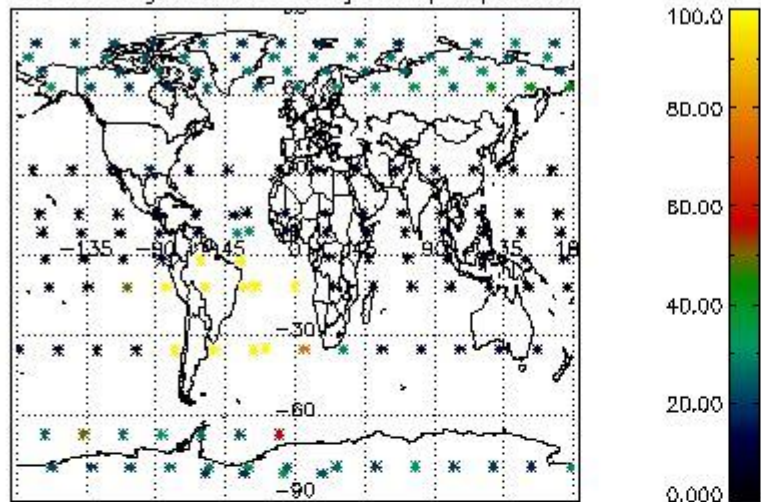
4.1.2 Plot level 1 quality information per product (time dependant): ENVISAT DESCENDING passes



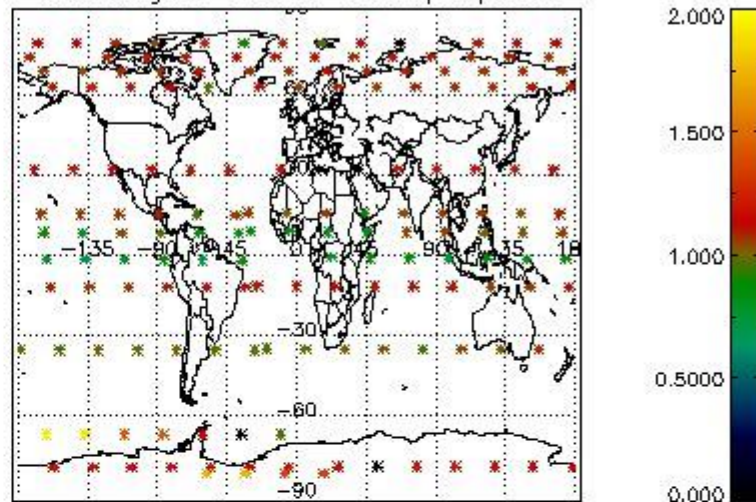
*4.2 Plot quality information per product coming from level 1b processing (world map)*

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

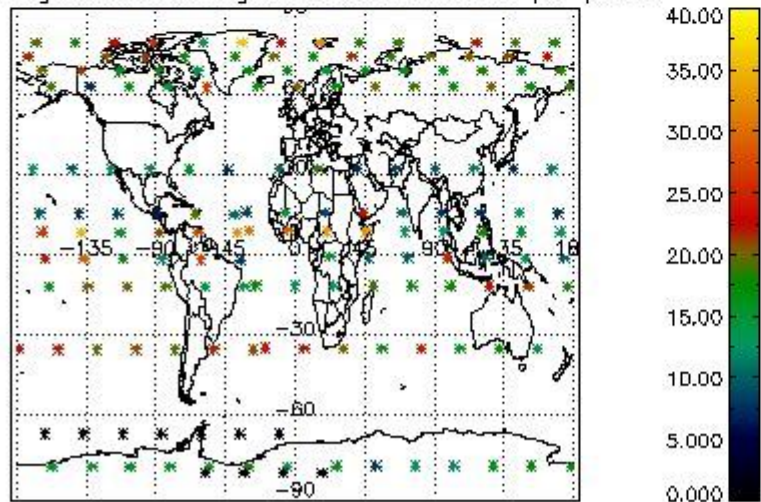
Percentage of cosmic ray hits per profile



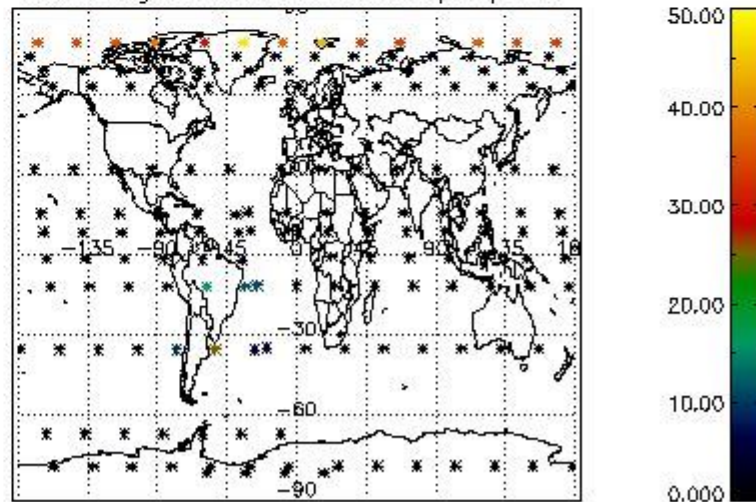
Percentage of datation errors per profile



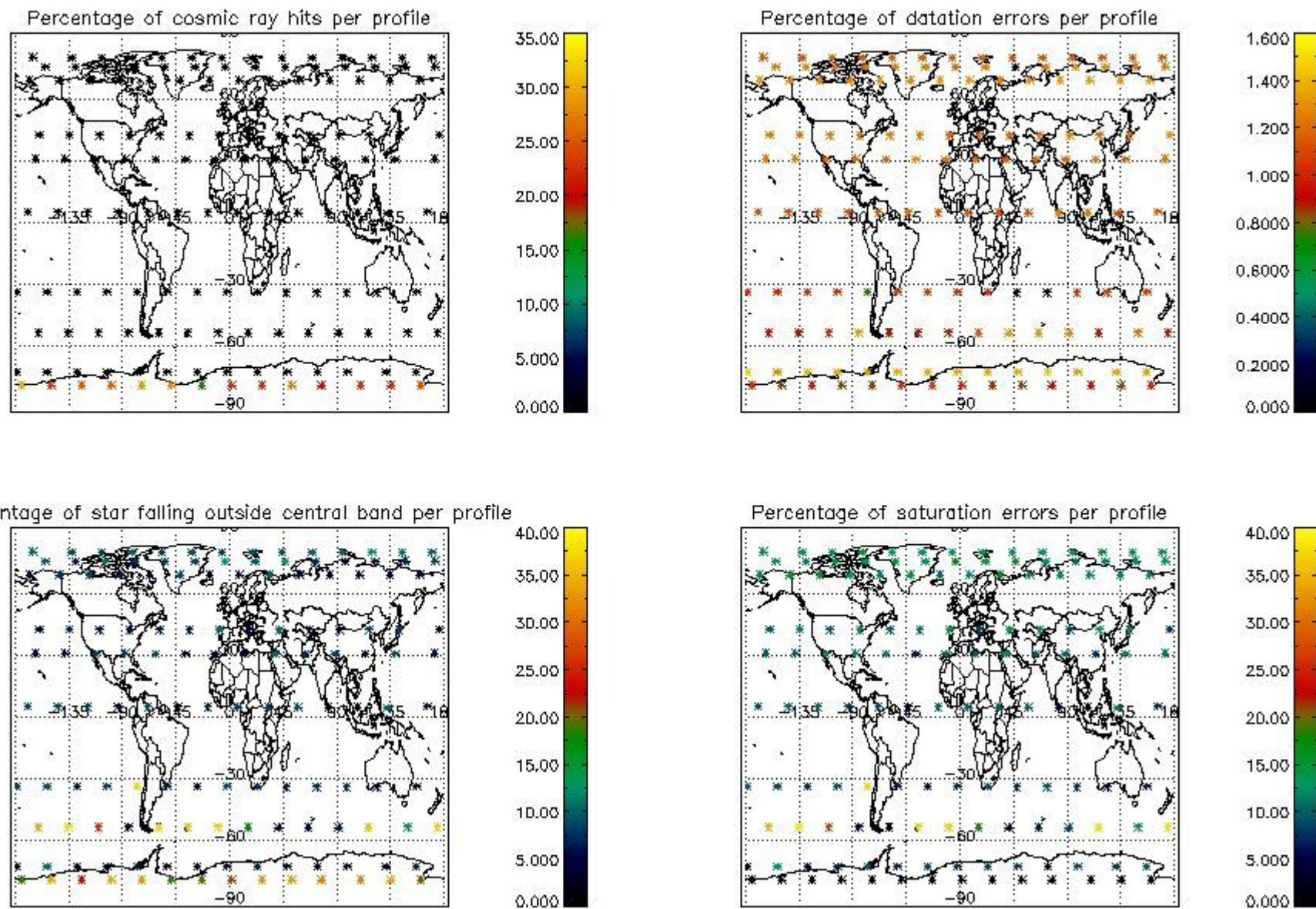
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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



## 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

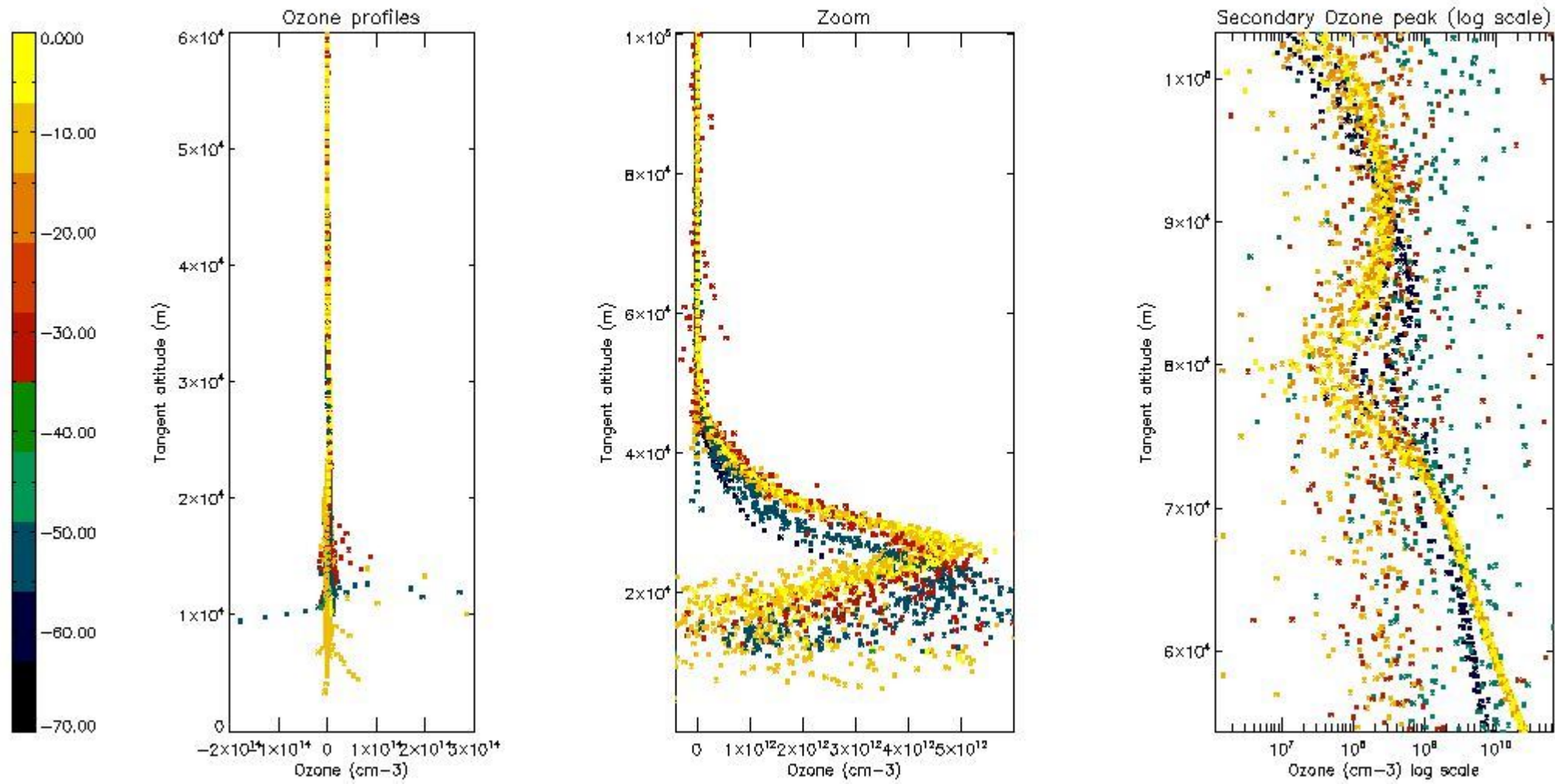
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	30
STD < 20	12

STD < 10	8
STD < 5	6

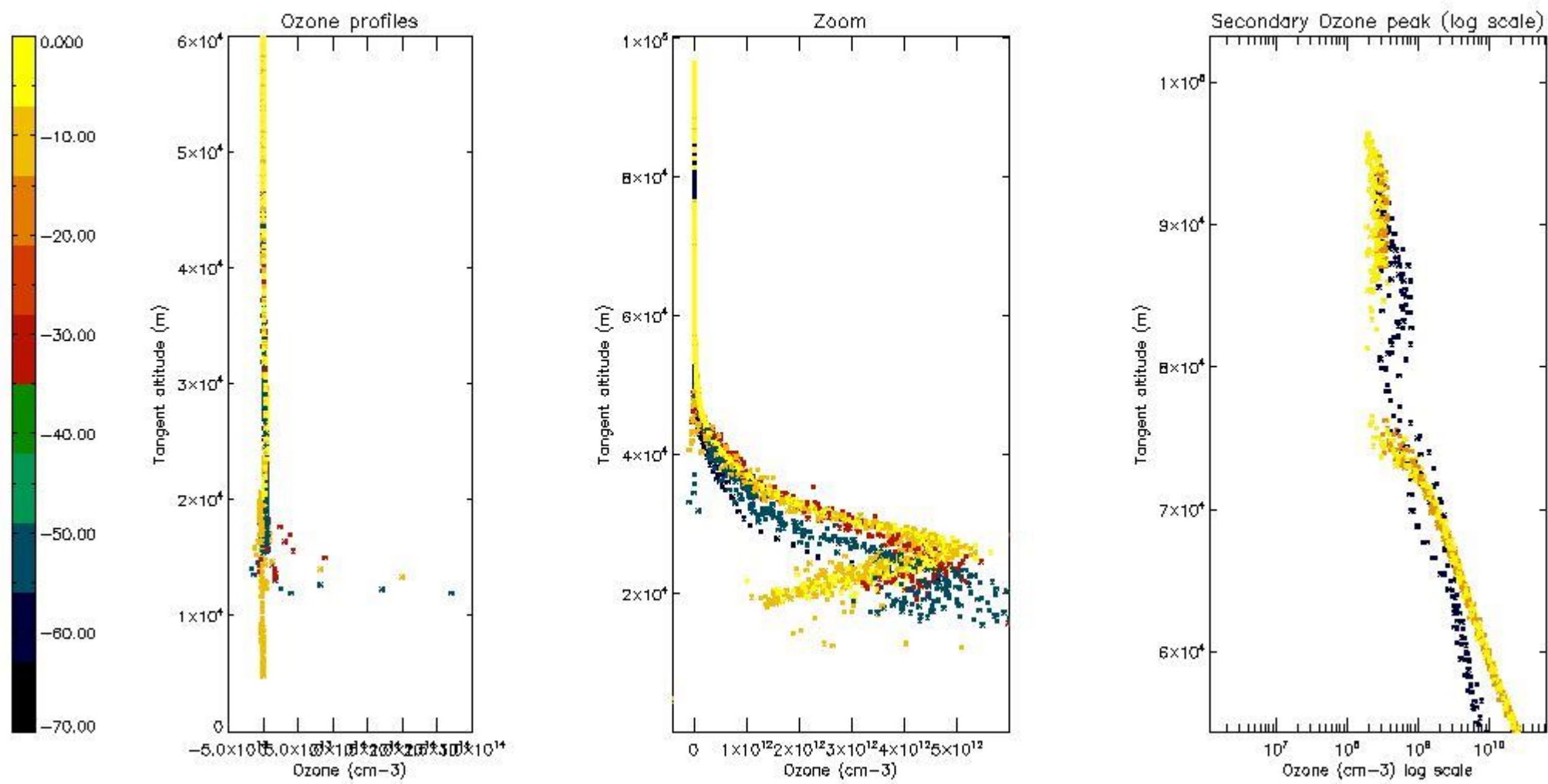
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



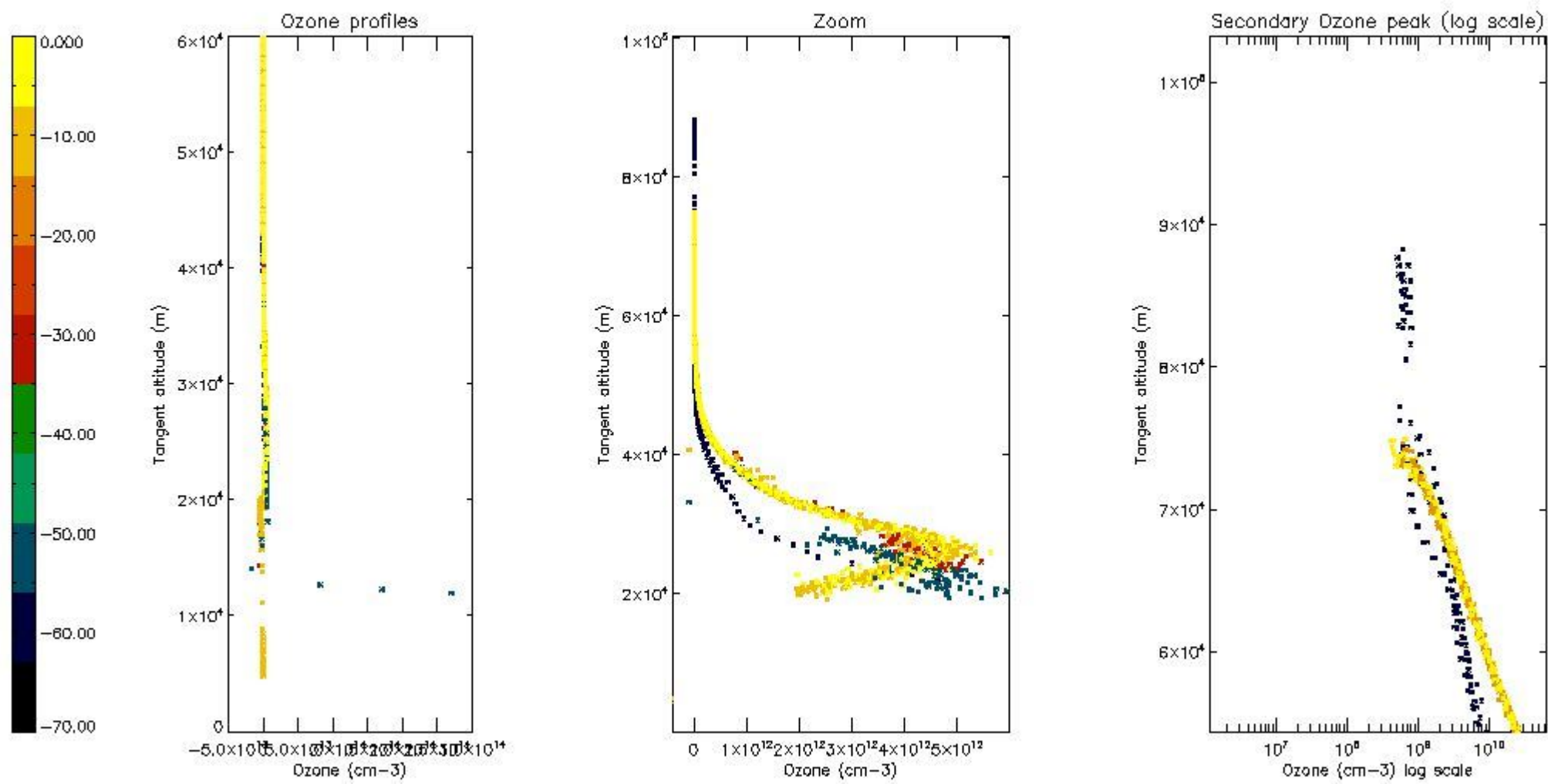
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



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

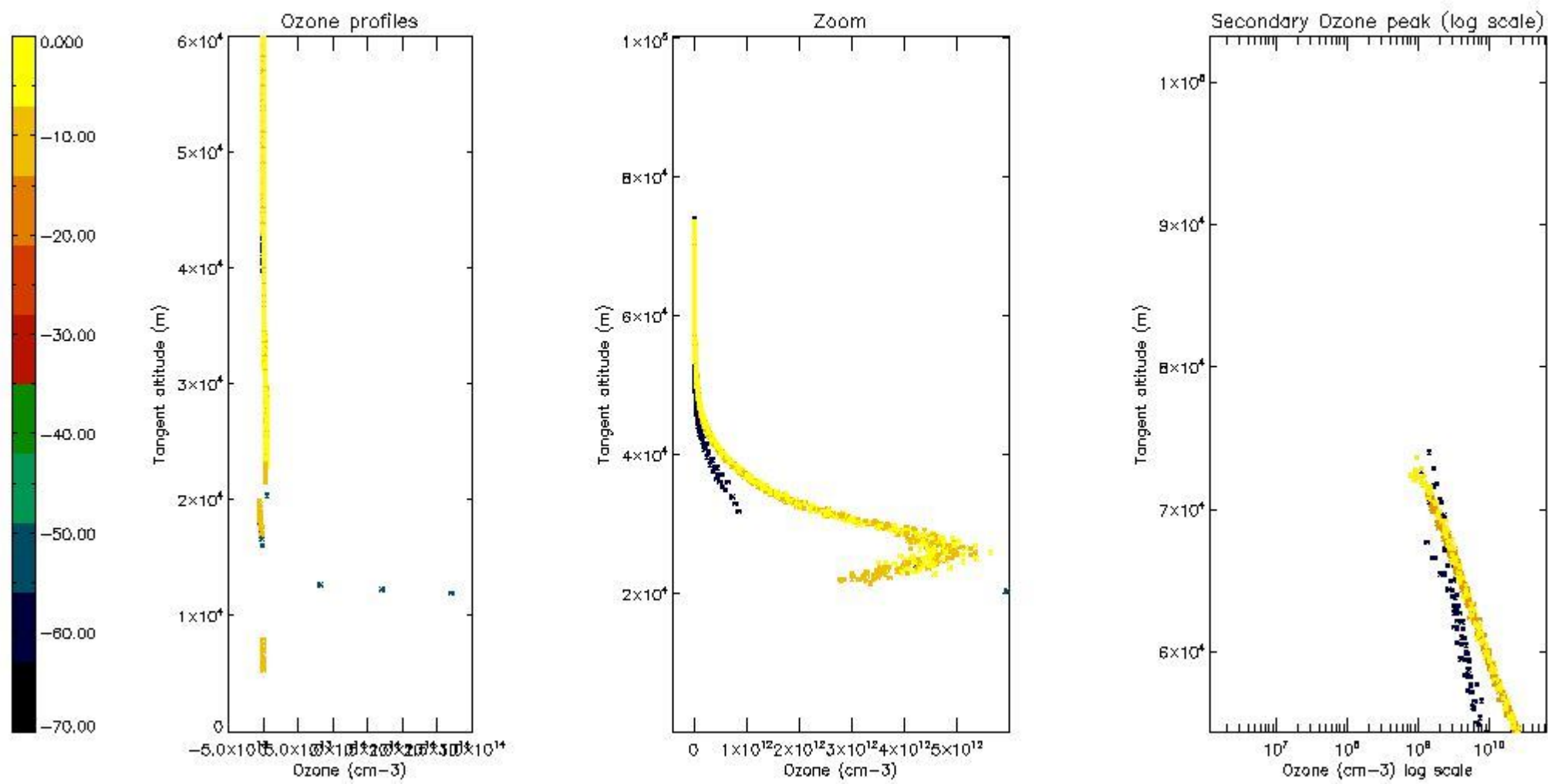
The colorbar represents the latitude.



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

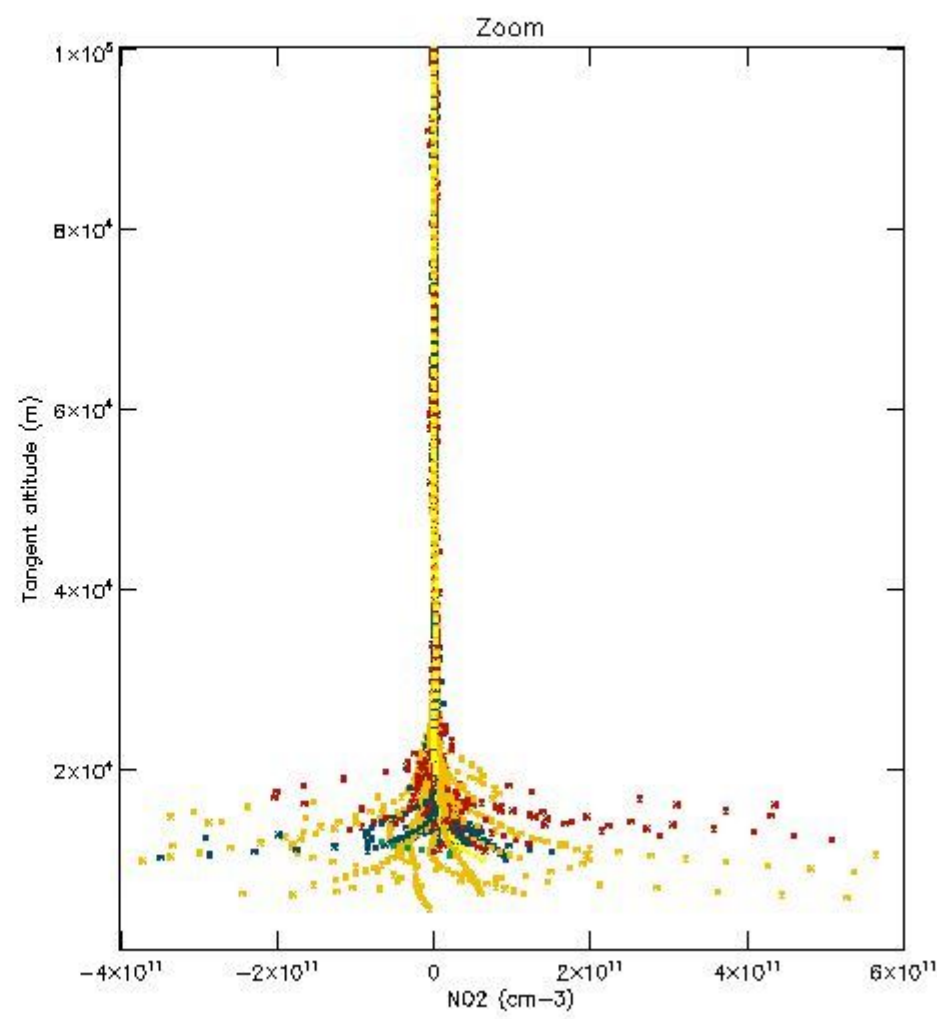
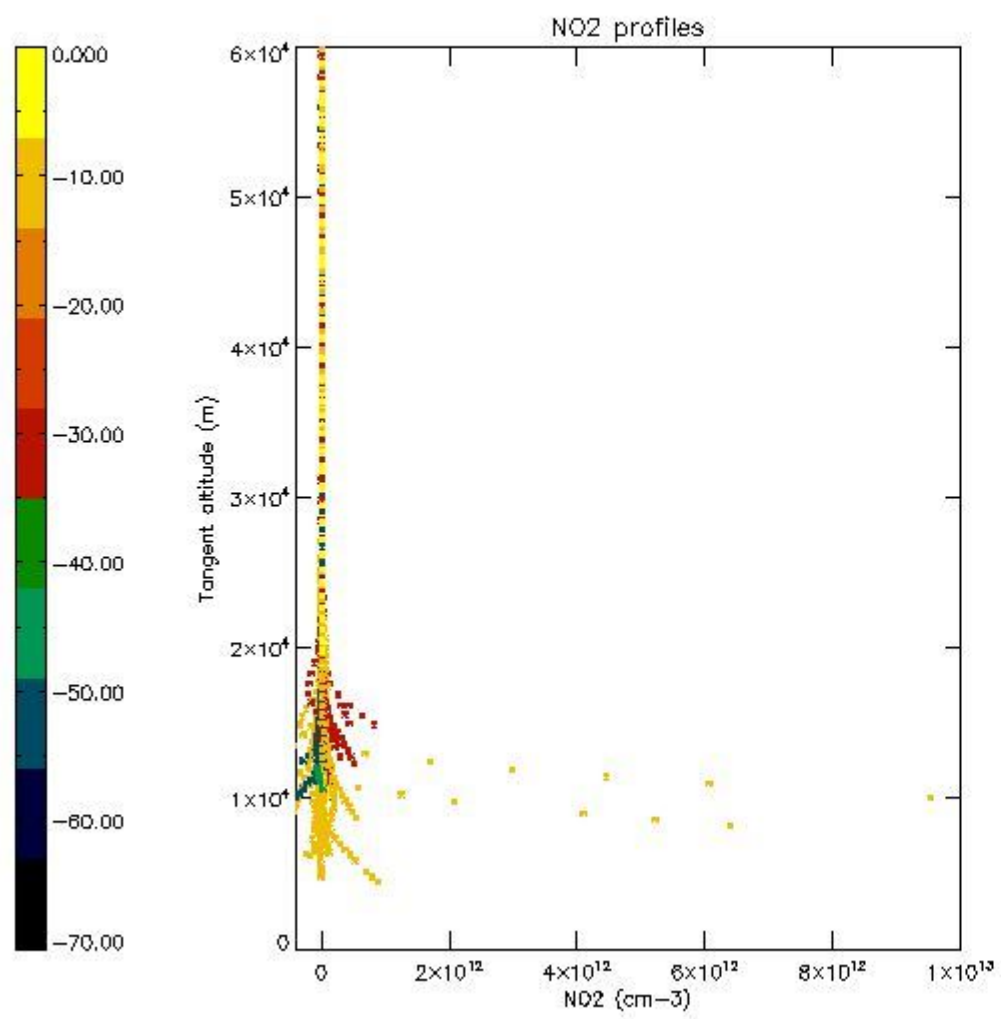
The colorbar represents the latitude.





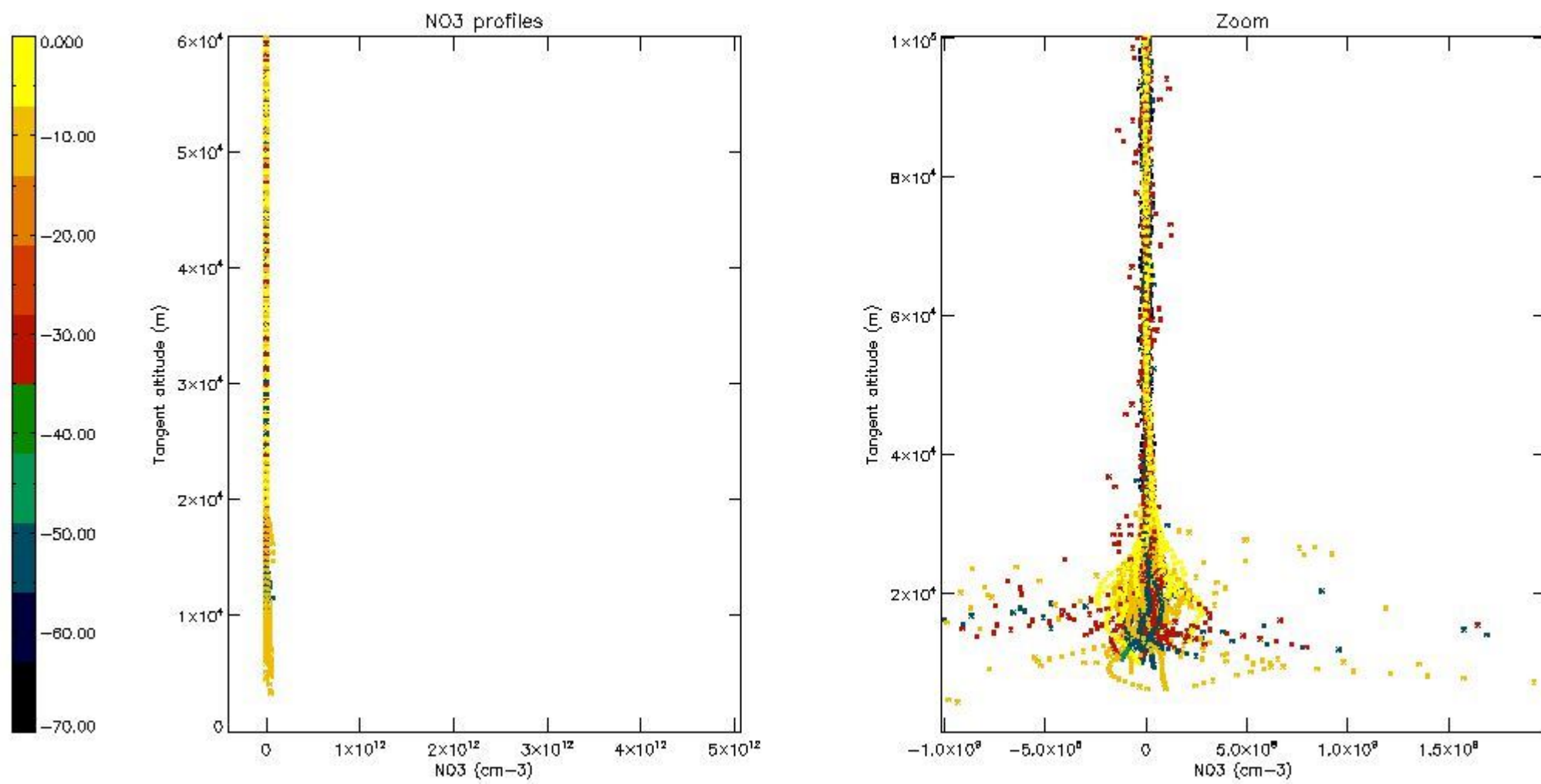
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



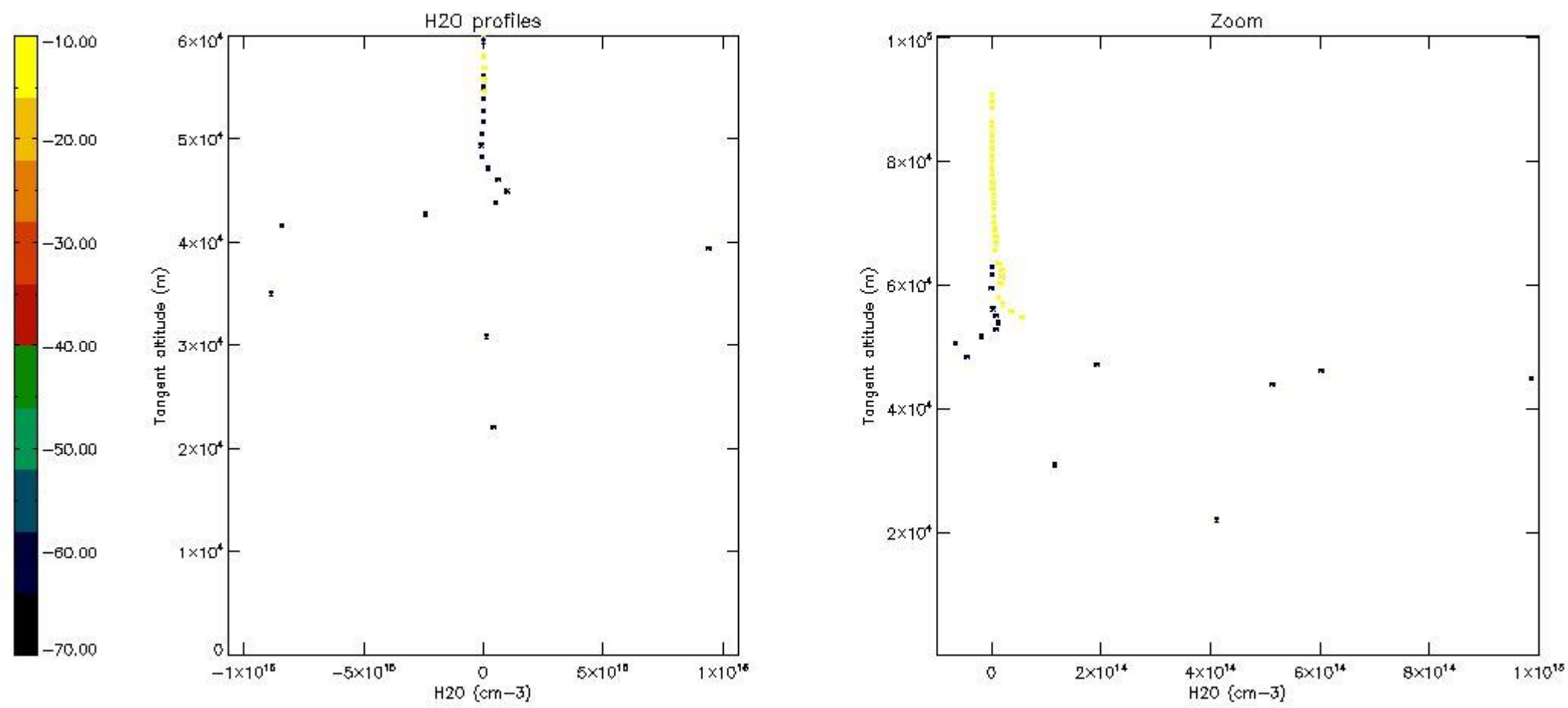
*5.7 Plot NO3 profiles for all STD (dark without errors)*

The colorbar represents the latitude.



5.8 Plot H<sub>2</sub>O 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	06-JUN-2010 00:03:57
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	06-JUN-2010 00:03:57
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	06-JUN-2010 00:03:57

# GOMOS Level 2 Daily Report

## SUMMARY

### [1. General Info](#)

### [2. Summary of processed GOM\\_NL\\_2P products](#)

### [3. Level 2 Quality information per product](#)

#### [3.1 Plot of level 2 quality information per product \(time dependant\)](#)

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

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

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

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

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

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

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

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

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

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

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

#### [5.3 Plot ozone profiles where STD < 20% \(dark without errors\)](#)

#### [5.4. Plot ozone profiles where STD < 10% \(dark without errors\)](#)

#### [5.5. Plot ozone profiles where STD < 5% \(dark without errors\)](#)

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

#### [5.7 Plot NO3 profiles for all STD \(dark without errors\)](#)

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

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

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

Item	Value
Time of report generation	29APR2013 11:37:57
Data source version	GOMOS/6.01
Start time of products	06-06-2010 (06JUN2010 00:00:00)
Stop time of products	07-06-2010 (07JUN2010 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	306
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__2PRFIN20100606_000357_000000522090_00073_43213_3235.N1	06-JUN-2010 00:03:57	Dark	52.000	140	88Gam Peg	2.8340	26000.	104	43213	No
2	GOM_NL__2PRFIN20100606_001303_000000512090_00073_43213_3236.N1	06-JUN-2010 00:13:03	Dark	50.500	52	16Bet Cet	2.0370	4500.0	101	43213	No
3	GOM_NL__2PRFIN20100606_001940_000000442090_00073_43213_3237.N1	06-JUN-2010 00:19:40	Dark	43.500	84	Alp Phe	2.3970	4500.0	87	43213	No
4	GOM_NL__2PRFIN20100606_002231_000000562090_00073_43213_3238.N1	06-JUN-2010 00:22:31	Dark	55.500	18	24Alp PsA	1.1660	9700.0	111	43213	No
5	GOM_NL__2PRFIN20100606_002519_000000612090_00074_43214_3245.N1	06-JUN-2010 00:25:19	Dark	61.000	63	Bet Gru	2.1500	2800.0	122	43214	No
6	GOM_NL__2PRFIN20100606_002717_000000472090_00074_43214_3246.N1	06-JUN-2010 00:27:17	Dark	47.000	31	Alp Gru	1.7340	15200.	94	43214	No
7	GOM_NL__2PRFIN20100606_003156_000000422090_00074_43214_3247.N1	06-JUN-2010 00:31:56	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	43214	No
8	GOM_NL__2PRFIN20100606_004047_000000522090_00074_43214_3248.N1	06-JUN-2010 00:40:47	Straylight	51.500	40	The Sco	1.8590	7100.0	103	43214	No
9	GOM_NL__2PRFIN20100606_004233_000000452090_00074_43214_3249.N1	06-JUN-2010 00:42:33	Twi_and_stray	45.000	25	35Lam Sco	1.6200	28000.	90	43214	No
10	GOM_NL__2PRFIN20100606_004412_000000452090_00074_43214_3250.N1	06-JUN-2010 00:44:12	Twi_and_stray	45.000	75	26Eps Sco	2.2910	4250.0	90	43214	No
11	GOM_NL__2PRFIN20100606_004611_000000482090_00074_43214_3251.N1	06-JUN-2010 00:46:11	Bright	48.000	136	23Tau Sco	2.8220	30000.	96	43214	No
12	GOM_NL__2PRFIN20100606_004940_000000452090_00074_43214_3252.N1	06-JUN-2010 00:49:40	Bright	44.500	86	35Eta Oph	2.4300	10200.	89	43214	No
13	GOM_NL__2PRFIN20100606_005128_000000412090_00074_43214_3253.N1	06-JUN-2010 00:51:28	Bright	40.500	98	13Zet Oph	2.5710	30000.	81	43214	No
14	GOM_NL__2PRFIN20100606_005337_000000382090_00074_43214_3254.N1	06-JUN-2010 00:53:37	Bright	38.000	120	1Del Oph	2.7340	3200.0	76	43214	No
15	GOM_NL__2PRFIN20100606_010123_000000422090_00074_43214_3255.N1	06-JUN-2010 01:01:23	Bright	41.500	127	27Bet Her	2.7810	4700.0	83	43214	No
16	GOM_NL__2PRFIN20100606_010440_000000442090_00074_43214_3256.N1	06-JUN-2010 01:04:40	Bright	43.500	133	40Zet Her	2.8070	6000.0	87	43214	No
17	GOM_NL__2PRFIN20100606_011158_000000452090_00074_43214_3257.N1	06-JUN-2010 01:11:58	Bright	45.000	130	23Bet Dra	2.7990	5800.0	90	43214	No
18	GOM_NL__2PRFIN20100606_012249_000000472090_00074_43214_3258.N1	06-JUN-2010 01:22:49	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	43214	No
19	GOM_NL__2PRFIN20100606_012824_000000572090_00074_43214_3259.N1	06-JUN-2010 01:28:24	Bright	57.000	76	27Gam Cas	2.3000	30000.	114	43214	No
20	GOM_NL__2PRFIN20100606_013404_000000382090_00074_43214_3260.N1	06-JUN-2010 01:34:04	Bright	37.500	73	57Gam1And	2.2600	13100.	75	43214	No
21	GOM_NL__2PRFIN20100606_013623_000000572090_00074_43214_3261.N1	06-JUN-2010 01:36:23	Bright	56.500	53	43Bet And	2.0480	3300.0	113	43214	No
22	GOM_NL__2PRFIN20100606_013913_000000372090_00074_43214_3262.N1	06-JUN-2010 01:39:13	Twi_and_stray	37.000	58	21Alp And	2.0730	11000.	74	43214	No
23	GOM_NL__2PRFIN20100606_014028_000000422090_00074_43214_3263.N1	06-JUN-2010 01:40:28	Twilight	42.000	105	6Bet Ari	2.6450	8900.0	84	43214	No
24	GOM_NL__2PRFIN20100606_014434_000000442090_00074_43214_3264.N1	06-JUN-2010 01:44:34	Dark	43.500	140	88Gam Peg	2.8340	26000.	87	43214	No
25	GOM_NL__2PRFIN20100606_015340_000000512090_00074_43214_3265.N1	06-JUN-2010 01:53:40	Dark	51.000	52	16Bet Cet	2.0370	4500.0	102	43214	No
26	GOM_NL__2PRFIN20100606_020017_000000442090_00074_43214_3266.N1	06-JUN-2010 02:00:17	Dark	43.500	84	Alp Phe	2.3970	4500.0	87	43214	No
27	GOM_NL__2PRFIN20100606_020308_000000712090_00074_43214_3267.N1	06-JUN-2010 02:03:08	Dark	70.500	18	24Alp PsA	1.1660	9700.0	141	43214	No
28	GOM_NL__2PRFIN20100606_020556_000000572090_00075_43215_3253.N1	06-JUN-2010 02:05:56	Dark	56.500	63	Bet Gru	2.1500	2800.0	113	43215	No
29	GOM_NL__2PRFIN20100606_020753_000000532090_00075_43215_3254.N1	06-JUN-2010 02:07:53	Dark	52.500	31	Alp Gru	1.7340	15200.	105	43215	No
30	GOM_NL__2PRFIN20100606_021233_000000462090_00075_43215_3255.N1	06-JUN-2010 02:12:33	Straylight	45.500	45	Alp Pav	1.9400	26000.	91	43215	No
31	GOM_NL__2PRFIN20100606_022123_000000442090_00075_43215_3256.N1	06-JUN-2010 02:21:23	Straylight	44.000	40	The Sco	1.8590	7100.0	88	43215	No
32	GOM_NL__2PRFIN20100606_022310_000000472090_00075_43215_3257.N1	06-JUN-2010 02:23:10	Twi_and_stray	46.500	25	35Lam Sco	1.6200	28000.	93	43215	No
33	GOM_NL__2PRFIN20100606_022449_000000462090_00075_43215_3258.N1	06-JUN-2010 02:24:49	Twi_and_stray	45.500	75	26Eps Sco	2.2910	4250.0	91	43215	No
34	GOM_NL__2PRFIN20100606_022647_000000462090_00075_43215_3259.N1	06-JUN-2010 02:26:47	Bright	46.000	136	23Tau Sco	2.8220	30000.	92	43215	No
35	GOM_NL__2PRFIN20100606_023016_000000442090_00075_43215_3260.N1	06-JUN-2010 02:30:16	Bright	44.000	86	35Eta Oph	2.4300	10200.	88	43215	No
36	GOM_NL__2PRFIN20100606_023204_000000402090_00075_43215_3261.N1	06-JUN-2010 02:32:04	Bright	40.000	98	13Zet Oph	2.5710	30000.	80	43215	No
37	GOM_NL__2PRFIN20100606_023413_000000382090_00075_43215_3262.N1	06-JUN-2010 02:34:13	Bright	38.000	120	1Del Oph	2.7340	3200.0	76	43215	No
38	GOM_NL__2PRFIN20100606_024159_000000422090_00075_43215_3263.N1	06-JUN-2010 02:41:59	Bright	42.000	127	27Bet Her	2.7810	4700.0	84	43215	No
39	GOM_NL__2PRFIN20100606_024516_000000412090_00075_43215_3264.N1	06-JUN-2010 02:45:16	Bright	40.500	133	40Zet Her	2.8070	6000.0	81	43215	No
40	GOM_NL__2PRFIN20100606_025233_000000402090_00075_43215_3265.N1	06-JUN-2010 02:52:33	Bright	40.000	130	23Bet Dra	2.7990	5800.0	80	43215	No
41	GOM_NL__2PRFIN20100606_030325_000000482090_00075_43215_3266.N1	06-JUN-2010 03:03:25	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	43215	No
42	GOM_NL__2PRFIN20100606_030859_000000392090_00075_43215_3267.N1	06-JUN-2010 03:08:59	Bright	39.000	76	27Gam Cas	2.3000	30000.	78	43215	No

43	GOM_NL__2PRFIN20100606_031440_000000352090_00075_43215_3268.N1	06-JUN-2010 03:14:40	Bright	34.500	73	57Gam1And	2.2600	13100.	69	43215	No
44	GOM_NL__2PRFIN20100606_031658_000000592090_00075_43215_3269.N1	06-JUN-2010 03:16:58	Bright	59.000	53	43Bet And	2.0480	3300.0	118	43215	No
45	GOM_NL__2PRFIN20100606_031949_000000372090_00075_43215_3270.N1	06-JUN-2010 03:19:49	Twi_and_stray	37.000	58	21Alp And	2.0730	11000.	74	43215	No
46	GOM_NL__2PRFIN20100606_032105_000000442090_00075_43215_3271.N1	06-JUN-2010 03:21:05	Twilight	44.000	105	6Bet Ari	2.6450	8900.0	88	43215	No
47	GOM_NL__2PRFIN20100606_032510_000000442090_00075_43215_3272.N1	06-JUN-2010 03:25:10	Dark	44.000	140	88Gam Peg	2.8340	26000.	88	43215	No
48	GOM_NL__2PRFIN20100606_033417_000000502090_00075_43215_3273.N1	06-JUN-2010 03:34:17	Dark	49.500	52	16Bet Cet	2.0370	4500.0	99	43215	No
49	GOM_NL__2PRFIN20100606_034053_000000452090_00075_43215_3274.N1	06-JUN-2010 03:40:53	Dark	45.000	84	Alp Phe	2.3970	4500.0	90	43215	No
50	GOM_NL__2PRFIN20100606_034346_000000582090_00075_43215_3275.N1	06-JUN-2010 03:43:46	Dark	58.000	18	24Alp PsA	1.1660	9700.0	116	43215	No
51	GOM_NL__2PRFIN20100606_034633_000000522090_00076_43216_3261.N1	06-JUN-2010 03:46:33	Dark	51.500	63	Bet Gru	2.1500	2800.0	103	43216	No
52	GOM_NL__2PRFIN20100606_034831_000000462090_00076_43216_3262.N1	06-JUN-2010 03:48:31	Dark	45.500	31	Alp Gru	1.7340	15200.	91	43216	No
53	GOM_NL__2PRFIN20100606_035310_000000442090_00076_43216_3263.N1	06-JUN-2010 03:53:10	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	43216	No
54	GOM_NL__2PRFIN20100606_040200_000000452090_00076_43216_3264.N1	06-JUN-2010 04:02:00	Straylight	45.000	40	The Sco	1.8590	7100.0	90	43216	No
55	GOM_NL__2PRFIN20100606_040346_000000462090_00076_43216_3265.N1	06-JUN-2010 04:03:46	Twi_and_stray	46.000	25	35Lam Sco	1.6200	28000.	92	43216	No
56	GOM_NL__2PRFIN20100606_040525_000000462090_00076_43216_3266.N1	06-JUN-2010 04:05:25	Twi_and_stray	46.000	75	26Eps Sco	2.2910	4250.0	92	43216	No
57	GOM_NL__2PRFIN20100606_040723_000000442090_00076_43216_3267.N1	06-JUN-2010 04:07:23	Bright	44.000	136	23Tau Sco	2.8220	30000.	88	43216	No
58	GOM_NL__2PRFIN20100606_041052_000000452090_00076_43216_3268.N1	06-JUN-2010 04:10:52	Bright	44.500	86	35Eta Oph	2.4300	10200.	89	43216	No
59	GOM_NL__2PRFIN20100606_041240_000000392090_00076_43216_3269.N1	06-JUN-2010 04:12:40	Bright	39.000	98	13Zet Oph	2.5710	30000.	78	43216	No
60	GOM_NL__2PRFIN20100606_041449_000000382090_00076_43216_3270.N1	06-JUN-2010 04:14:49	Bright	38.000	120	1Del Oph	2.7340	3200.0	76	43216	No
61	GOM_NL__2PRFIN20100606_042235_000000402090_00076_43216_3271.N1	06-JUN-2010 04:22:35	Bright	39.500	127	27Bet Her	2.7810	4700.0	79	43216	No
62	GOM_NL__2PRFIN20100606_042552_000000432090_00076_43216_3272.N1	06-JUN-2010 04:25:52	Bright	42.500	133	40Zet Her	2.8070	6000.0	85	43216	No
63	GOM_NL__2PRFIN20100606_043309_000000412090_00076_43216_3273.N1	06-JUN-2010 04:33:09	Bright	40.500	130	23Bet Dra	2.7990	5800.0	81	43216	No
64	GOM_NL__2PRFIN20100606_044400_000000482090_00076_43216_3274.N1	06-JUN-2010 04:44:00	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	43216	No
65	GOM_NL__2PRFIN20100606_044935_000000382090_00076_43216_3275.N1	06-JUN-2010 04:49:35	Bright	38.000	76	27Gam Cas	2.3000	30000.	76	43216	No
66	GOM_NL__2PRFIN20100606_045516_000000372090_00076_43216_3276.N1	06-JUN-2010 04:55:16	Bright	37.000	73	57Gam1And	2.2600	13100.	74	43216	No
67	GOM_NL__2PRFIN20100606_045735_000000582090_00076_43216_3277.N1	06-JUN-2010 04:57:35	Bright	58.000	53	43Bet And	2.0480	3300.0	116	43216	No
68	GOM_NL__2PRFIN20100606_050025_000000292090_00076_43216_3278.N1	06-JUN-2010 05:00:25	Twi_and_stray	29.000	58	21Alp And	2.0730	11000.	58	43216	No
69	GOM_NL__2PRFIN20100606_050141_000000432090_00076_43216_3279.N1	06-JUN-2010 05:01:41	Twilight	42.500	105	6Bet Ari	2.6450	8900.0	85	43216	No
70	GOM_NL__2PRFIN20100606_050547_000000352090_00076_43216_3280.N1	06-JUN-2010 05:05:47	Dark	35.000	140	88Gam Peg	2.8340	26000.	70	43216	No
71	GOM_NL__2PRFIN20100606_051454_000000512090_00076_43216_3281.N1	06-JUN-2010 05:14:54	Dark	50.500	52	16Bet Cet	2.0370	4500.0	101	43216	No
72	GOM_NL__2PRFIN20100606_052130_000000472090_00076_43216_3282.N1	06-JUN-2010 05:21:30	Dark	46.500	84	Alp Phe	2.3970	4500.0	93	43216	No
73	GOM_NL__2PRFIN20100606_052423_000000622090_00076_43216_3283.N1	06-JUN-2010 05:24:23	Dark	61.500	18	24Alp PsA	1.1660	9700.0	123	43216	No
74	GOM_NL__2PRFIN20100606_052710_000000492090_00077_43217_3269.N1	06-JUN-2010 05:27:10	Dark	48.500	63	Bet Gru	2.1500	2800.0	97	43217	No
75	GOM_NL__2PRFIN20100606_052908_000000472090_00077_43217_3270.N1	06-JUN-2010 05:29:08	Dark	46.500	31	Alp Gru	1.7340	15200.	93	43217	No
76	GOM_NL__2PRFIN20100606_053347_000000442090_00077_43217_3271.N1	06-JUN-2010 05:33:47	Straylight	44.000	45	Alp Pav	1.9400	26000.	88	43217	No
77	GOM_NL__2PRFIN20100606_054236_000000412090_00077_43217_3272.N1	06-JUN-2010 05:42:36	Straylight	40.500	40	The Sco	1.8590	7100.0	81	43217	No
78	GOM_NL__2PRFIN20100606_054422_000000492090_00077_43217_3273.N1	06-JUN-2010 05:44:22	Twi_and_stray	49.000	25	35Lam Sco	1.6200	28000.	98	43217	No
79	GOM_NL__2PRFIN20100606_054800_000000442090_00077_43217_3274.N1	06-JUN-2010 05:48:00	Bright	44.000	136	23Tau Sco	2.8220	30000.	88	43217	No
80	GOM_NL__2PRFIN20100606_055128_000000452090_00077_43217_3275.N1	06-JUN-2010 05:51:28	Bright	44.500	86	35Eta Oph	2.4300	10200.	89	43217	No
81	GOM_NL__2PRFIN20100606_055316_000000392090_00077_43217_3276.N1	06-JUN-2010 05:53:16	Bright	38.500	98	13Zet Oph	2.5710	30000.	77	43217	No
82	GOM_NL__2PRFIN20100606_055525_000000382090_00077_43217_3277.N1	06-JUN-2010 05:55:25	Bright	37.500	120	1Del Oph	2.7340	3200.0	75	43217	No
83	GOM_NL__2PRFIN20100606_060310_000000412090_00077_43217_3278.N1	06-JUN-2010 06:03:10	Bright	40.500	127	27Bet Her	2.7810	4700.0	81	43217	No
84	GOM_NL__2PRFIN20100606_060628_000000422090_00077_43217_3279.N1	06-JUN-2010 06:06:28	Bright	41.500	133	40Zet Her	2.8070	6000.0	83	43217	No
85	GOM_NL__2PRFIN20100606_061344_000000452090_00077_43217_3280.N1	06-JUN-2010 06:13:44	Bright	44.500	130	23Bet Dra	2.7990	5800.0	89	43217	No
86	GOM_NL__2PRFIN20100606_062435_000000482090_00077_43217_3281.N1	06-JUN-2010 06:24:35	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	43217	No
87	GOM_NL__2PRFIN20100606_063011_000000382090_00077_43217_3282.N1	06-JUN-2010 06:30:11	Bright	37.500	76	27Gam Cas	2.3000	30000.	75	43217	No
88	GOM_NL__2PRFIN20100606_063552_000000372090_00077_43217_3283.N1	06-JUN-2010 06:35:52	Bright	37.000	73	57Gam1And	2.2600	13100.	74	43217	No
89	GOM_NL__2PRFIN20100606_063811_000000502090_00077_43217_3284.N1	06-JUN-2010 06:38:11	Bright	50.000	53	43Bet And	2.0480	3300.0	100	43217	No
90	GOM_NL__2PRFIN20100606_064101_000000292090_00077_43217_3285.N1	06-JUN-2010 06:41:01	Twi_and_stray	29.000	58	21Alp And	2.0730	11000.	58	43217	No
91	GOM_NL__2PRFIN20100606_064217_000000432090_00077_43217_3286.N1	06-JUN-2010 06:42:17	Twilight	43.000	105	6Bet Ari	2.6450	8900.0	86	43217	No
92	GOM_NL__2PRFIN20100606_064623_000000352090_00077_43217_3287.N1	06-JUN-2010 06:46:23	Dark	35.000	140	88Gam Peg	2.8340	26000.	70	43217	No
93	GOM_NL__2PRFIN20100606_065530_000000502090_00077_43217_3288.N1	06-JUN-2010 06:55:30	Dark	49.500	52	16Bet Cet	2.0370	4500.0	99	43217	No
94	GOM_NL__2PRFIN20100606_070207_000000472090_00077_43217_3289.N1	06-JUN-2010 07:02:07	Dark	46.500	84	Alp Phe	2.3970	4500.0	93	43217	No
95	GOM_NL__2PRFIN20100606_070500_000000732090_00077_43217_3290.N1	06-JUN-2010 07:05:00	Dark	72.500	18	24Alp PsA	1.1660	9700.0	145	43217	No
96	GOM_NL__2PRFIN20100606_070747_000000632090_00078_43218_3277.N1	06-JUN-2010 07:07:47	Dark	63.000	63	Bet Gru	2.1500	2800.0	126	43218	No
97	GOM_NL__2PRFIN20100606_070945_000000472090_00078_43218_3278.N1	06-JUN-2010 07:09:45	Dark	46.500	31	Alp Gru	1.7340	15200.	93	43218	No
98	GOM_NL__2PRFIN20100606_071423_000000422090_00078_43218_3279.N1	06-JUN-2010 07:14:23	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	43218	No
99	GOM_NL__2PRFIN20100606_072313_000000462090_00078_43218_3280.N1	06-JUN-2010 07:23:13	Straylight	45.500	40	The Sco	1.8590	7100.0	91	43218	No
100	GOM_NL__2PRFIN20100606_072459_000000482090_00078_43218_3281.N1	06-JUN-2010 07:24:59	Twi_and_stray	47.500	25	35Lam Sco	1.6200	28000.	95	43218	No
101	GOM_NL__2PRFIN20100606_072637_000000462090_00078_43218_3282.N1	06-JUN-2010 07:26:37	Twi_and_stray	46.000	75	26Eps Sco	2.2910	4250.0	92	43218	No

102	GOM_NL__2PRFIN20100606_072836_000000442090_00078_43218_3283.N1	06-JUN-2010 07:28:36	Bright	43.500	136	23Tau Sco	2.8220	30000.	87	43218	No
103	GOM_NL__2PRFIN20100606_073204_000000442090_00078_43218_3284.N1	06-JUN-2010 07:32:04	Bright	43.500	86	35Eta Oph	2.4300	10200.	87	43218	No
104	GOM_NL__2PRFIN20100606_073352_000000402090_00078_43218_3285.N1	06-JUN-2010 07:33:52	Bright	40.000	98	13Zet Oph	2.5710	30000.	80	43218	No
105	GOM_NL__2PRFIN20100606_073601_000000382090_00078_43218_3286.N1	06-JUN-2010 07:36:01	Bright	38.000	120	1Del Oph	2.7340	3200.0	76	43218	No
106	GOM_NL__2PRFIN20100606_074346_000000422090_00078_43218_3287.N1	06-JUN-2010 07:43:46	Bright	42.000	127	27Bet Her	2.7810	4700.0	84	43218	No
107	GOM_NL__2PRFIN20100606_074703_000000442090_00078_43218_3288.N1	06-JUN-2010 07:47:03	Bright	43.500	133	40Zet Her	2.8070	6000.0	87	43218	No
108	GOM_NL__2PRFIN20100606_075420_000000452090_00078_43218_3289.N1	06-JUN-2010 07:54:20	Bright	44.500	130	23Bet Dra	2.7990	5800.0	89	43218	No
109	GOM_NL__2PRFIN20100606_080511_000000482090_00078_43218_3290.N1	06-JUN-2010 08:05:11	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	43218	No
110	GOM_NL__2PRFIN20100606_081047_000000442090_00078_43218_3291.N1	06-JUN-2010 08:10:47	Bright	43.500	76	27Gam Cas	2.3000	30000.	87	43218	No
111	GOM_NL__2PRFIN20100606_081628_000000372090_00078_43218_3292.N1	06-JUN-2010 08:16:28	Bright	37.000	73	57Gam1And	2.2600	13100.	74	43218	No
112	GOM_NL__2PRFIN20100606_081847_000000472090_00078_43218_3293.N1	06-JUN-2010 08:18:47	Bright	46.500	53	43Bet And	2.0480	3300.0	93	43218	No
113	GOM_NL__2PRFIN20100606_082253_000000432090_00078_43218_3294.N1	06-JUN-2010 08:22:53	Twilight	43.000	105	6Bet Ari	2.6450	8900.0	86	43218	No
114	GOM_NL__2PRFIN20100606_082700_000000262090_00078_43218_3295.N1	06-JUN-2010 08:27:00	Dark	26.000	140	88Gam Peg	2.8340	26000.	52	43218	No
115	GOM_NL__2PRFIN20100606_083607_000000532090_00078_43218_3296.N1	06-JUN-2010 08:36:07	Dark	52.500	52	16Bet Cet	2.0370	4500.0	105	43218	No
116	GOM_NL__2PRFIN20100606_084243_000000452090_00078_43218_3297.N1	06-JUN-2010 08:42:43	Dark	45.000	84	Alp Phe	2.3970	4500.0	90	43218	No
117	GOM_NL__2PRFIN20100606_084538_000000662090_00078_43218_3298.N1	06-JUN-2010 08:45:38	Dark	66.000	18	24Alp PsA	1.1660	9700.0	132	43218	No
118	GOM_NL__2PRFIN20100606_084824_000000562090_00079_43219_3285.N1	06-JUN-2010 08:48:24	Dark	55.500	63	Bet Gru	2.1500	2800.0	111	43219	No
119	GOM_NL__2PRFIN20100606_085022_000000472090_00079_43219_3286.N1	06-JUN-2010 08:50:22	Dark	47.000	31	Alp Gru	1.7340	15200.	94	43219	No
120	GOM_NL__2PRFIN20100606_085500_000000442090_00079_43219_3287.N1	06-JUN-2010 08:55:00	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	43219	No
121	GOM_NL__2PRFIN20100606_090349_000000462090_00079_43219_3288.N1	06-JUN-2010 09:03:49	Straylight	45.500	40	The Sco	1.8590	7100.0	91	43219	No
122	GOM_NL__2PRFIN20100606_090535_000000472090_00079_43219_3289.N1	06-JUN-2010 09:05:35	Tw_and_stray	46.500	25	35Lam Sco	1.6200	28000.	93	43219	No
123	GOM_NL__2PRFIN20100606_090713_000000472090_00079_43219_3290.N1	06-JUN-2010 09:07:13	Tw_and_stray	47.000	75	26Eps Sco	2.2910	4250.0	94	43219	No
124	GOM_NL__2PRFIN20100606_090912_000000442090_00079_43219_3291.N1	06-JUN-2010 09:09:12	Bright	44.000	136	23Tau Sco	2.8220	30000.	88	43219	No
125	GOM_NL__2PRFIN20100606_091240_000000442090_00079_43219_3292.N1	06-JUN-2010 09:12:40	Bright	44.000	86	35Eta Oph	2.4300	10200.	88	43219	No
126	GOM_NL__2PRFIN20100606_091428_000000412090_00079_43219_3293.N1	06-JUN-2010 09:14:28	Bright	41.000	98	13Zet Oph	2.5710	30000.	82	43219	No
127	GOM_NL__2PRFIN20100606_091637_000000402090_00079_43219_3294.N1	06-JUN-2010 09:16:37	Bright	40.000	120	1Del Oph	2.7340	3200.0	80	43219	No
128	GOM_NL__2PRFIN20100606_092422_000000402090_00079_43219_3295.N1	06-JUN-2010 09:24:22	Bright	39.500	127	27Bet Her	2.7810	4700.0	79	43219	No
129	GOM_NL__2PRFIN20100606_092739_000000412090_00079_43219_3296.N1	06-JUN-2010 09:27:39	Bright	41.000	133	40Zet Her	2.8070	6000.0	82	43219	No
130	GOM_NL__2PRFIN20100606_093455_000000452090_00079_43219_3297.N1	06-JUN-2010 09:34:55	Bright	44.500	130	23Bet Dra	2.7990	5800.0	89	43219	No
131	GOM_NL__2PRFIN20100606_094545_000000492090_00079_43219_3298.N1	06-JUN-2010 09:45:45	Bright	48.500	89	5Alp Cep	2.4510	8000.0	97	43219	No
132	GOM_NL__2PRFIN20100606_095122_000000572090_00079_43219_3299.N1	06-JUN-2010 09:51:22	Bright	57.000	76	27Gam Cas	2.3000	30000.	114	43219	No
133	GOM_NL__2PRFIN20100606_095704_000000372090_00079_43219_3300.N1	06-JUN-2010 09:57:04	Bright	37.000	73	57Gam1And	2.2600	13100.	74	43219	No
134	GOM_NL__2PRFIN20100606_095923_000000492090_00079_43219_3301.N1	06-JUN-2010 09:59:23	Bright	48.500	53	43Bet And	2.0480	3300.0	97	43219	No
135	GOM_NL__2PRFIN20100606_100329_000000432090_00079_43219_3302.N1	06-JUN-2010 10:03:29	Twilight	42.500	105	6Bet Ari	2.6450	8900.0	85	43219	No
136	GOM_NL__2PRFIN20100606_100736_000000262090_00079_43219_3303.N1	06-JUN-2010 10:07:36	Dark	26.000	140	88Gam Peg	2.8340	26000.	52	43219	No
137	GOM_NL__2PRFIN20100606_101644_000000512090_00079_43219_3304.N1	06-JUN-2010 10:16:44	Dark	51.000	52	16Bet Cet	2.0370	4500.0	102	43219	No
138	GOM_NL__2PRFIN20100606_102320_000000452090_00079_43219_3305.N1	06-JUN-2010 10:23:20	Dark	44.500	84	Alp Phe	2.3970	4500.0	89	43219	No
139	GOM_NL__2PRFIN20100606_102615_000000572090_00079_43219_3306.N1	06-JUN-2010 10:26:15	Dark	57.000	18	24Alp PsA	1.1660	9700.0	114	43219	No
140	GOM_NL__2PRFIN20100606_102901_000000472090_00080_43220_3293.N1	06-JUN-2010 10:29:01	Dark	47.000	63	Bet Gru	2.1500	2800.0	94	43220	No
141	GOM_NL__2PRFIN20100606_103059_000000462090_00080_43220_3294.N1	06-JUN-2010 10:30:59	Dark	45.500	31	Alp Gru	1.7340	15200.	91	43220	No
142	GOM_NL__2PRFIN20100606_103536_000000442090_00080_43220_3295.N1	06-JUN-2010 10:35:36	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	43220	No
143	GOM_NL__2PRFIN20100606_104425_000000452090_00080_43220_3296.N1	06-JUN-2010 10:44:25	Straylight	44.500	40	The Sco	1.8590	7100.0	89	43220	No
144	GOM_NL__2PRFIN20100606_104611_000000462090_00080_43220_3297.N1	06-JUN-2010 10:46:11	Tw_and_stray	46.000	25	35Lam Sco	1.6200	28000.	92	43220	No
145	GOM_NL__2PRFIN20100606_104750_000000462090_00080_43220_3298.N1	06-JUN-2010 10:47:50	Tw_and_stray	45.500	75	26Eps Sco	2.2910	4250.0	91	43220	No
146	GOM_NL__2PRFIN20100606_104948_000000462090_00080_43220_3299.N1	06-JUN-2010 10:49:48	Bright	45.500	136	23Tau Sco	2.8220	30000.	91	43220	No
147	GOM_NL__2PRFIN20100606_105316_000000442090_00080_43220_3300.N1	06-JUN-2010 10:53:16	Bright	43.500	86	35Eta Oph	2.4300	10200.	87	43220	No
148	GOM_NL__2PRFIN20100606_105504_000000412090_00080_43220_3301.N1	06-JUN-2010 10:55:04	Bright	40.500	98	13Zet Oph	2.5710	30000.	81	43220	No
149	GOM_NL__2PRFIN20100606_105713_000000382090_00080_43220_3302.N1	06-JUN-2010 10:57:13	Bright	38.000	120	1Del Oph	2.7340	3200.0	76	43220	No
150	GOM_NL__2PRFIN20100606_110457_000000422090_00080_43220_3303.N1	06-JUN-2010 11:04:57	Bright	42.000	127	27Bet Her	2.7810	4700.0	84	43220	No
151	GOM_NL__2PRFIN20100606_110814_000000412090_00080_43220_3304.N1	06-JUN-2010 11:08:14	Bright	41.000	133	40Zet Her	2.8070	6000.0	82	43220	No
152	GOM_NL__2PRFIN20100606_111530_000000442090_00080_43220_3305.N1	06-JUN-2010 11:15:30	Bright	44.000	130	23Bet Dra	2.7990	5800.0	88	43220	No
153	GOM_NL__2PRFIN20100606_112621_000000472090_00080_43220_3306.N1	06-JUN-2010 11:26:21	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	43220	No
154	GOM_NL__2PRFIN20100606_113158_000000572090_00080_43220_3307.N1	06-JUN-2010 11:31:58	Bright	57.000	76	27Gam Cas	2.3000	30000.	114	43220	No
155	GOM_NL__2PRFIN20100606_113740_000000372090_00080_43220_3308.N1	06-JUN-2010 11:37:40	Bright	36.500	73	57Gam1And	2.2600	13100.	73	43220	No
156	GOM_NL__2PRFIN20100606_113958_000000592090_00080_43220_3309.N1	06-JUN-2010 11:39:58	Bright	59.000	53	43Bet And	2.0480	3300.0	118	43220	No
157	GOM_NL__2PRFIN20100606_114406_000000432090_00080_43220_3310.N1	06-JUN-2010 11:44:06	Twilight	42.500	105	6Bet Ari	2.6450	8900.0	85	43220	No
158	GOM_NL__2PRFIN20100606_115720_000000462090_00080_43220_3311.N1	06-JUN-2010 11:57:20	Dark	46.000	52	16Bet Cet	2.0370	4500.0	92	43220	No
159	GOM_NL__2PRFIN20100606_120356_000000472090_00080_43220_3312.N1	06-JUN-2010 12:03:56	Dark	47.000	84	Alp Phe	2.3970	4500.0	94	43220	No
160	GOM_NL__2PRFIN20100606_120652_000000602090_00080_43220_3313.N1	06-JUN-2010 12:06:52	Dark	59.500	18	24Alp PsA	1.1660	9700.0	119	43220	No



161	GOM_NL__2PRFIN20100606_120937_000000492090_00081_43221_3301.N1	06-JUN-2010 12:09:37	Dark	49.000	63	Bet Gru	2.1500	2800.0	98	43221	No
162	GOM_NL__2PRFIN20100606_121135_000000492090_00081_43221_3302.N1	06-JUN-2010 12:11:35	Dark	48.500	31	Alp Gru	1.7340	15200.	97	43221	No
163	GOM_NL__2PRFIN20100606_121613_000000422090_00081_43221_3303.N1	06-JUN-2010 12:16:13	Straylight	41.500	45	Alp Pav	1.9400	26000.	83	43221	No
164	GOM_NL__2PRFIN20100606_122501_000000472090_00081_43221_3304.N1	06-JUN-2010 12:25:01	Straylight	46.500	40	The Sco	1.8590	7100.0	93	43221	No
165	GOM_NL__2PRFIN20100606_122648_000000472090_00081_43221_3305.N1	06-JUN-2010 12:26:48	Tw_i_and_stray	46.500	25	35Lam Sco	1.6200	28000.	93	43221	No
166	GOM_NL__2PRFIN20100606_122826_000000462090_00081_43221_3306.N1	06-JUN-2010 12:28:26	Tw_i_and_stray	46.000	75	26Eps Sco	2.2910	4250.0	92	43221	No
167	GOM_NL__2PRFIN20100606_123352_000000442090_00081_43221_3307.N1	06-JUN-2010 12:33:52	Bright	43.500	86	35Eta Oph	2.4300	10200.	87	43221	No
168	GOM_NL__2PRFIN20100606_123540_000000432090_00081_43221_3308.N1	06-JUN-2010 12:35:40	Bright	42.500	98	13Zet Oph	2.5710	30000.	85	43221	No
169	GOM_NL__2PRFIN20100606_123748_000000382090_00081_43221_3309.N1	06-JUN-2010 12:37:48	Bright	37.500	120	1Del Oph	2.7340	3200.0	75	43221	No
170	GOM_NL__2PRFIN20100606_124533_000000412090_00081_43221_3310.N1	06-JUN-2010 12:45:33	Bright	40.500	127	27Bet Her	2.7810	4700.0	81	43221	No
171	GOM_NL__2PRFIN20100606_124850_000000392090_00081_43221_3311.N1	06-JUN-2010 12:48:50	Bright	39.000	133	40Zet Her	2.8070	6000.0	78	43221	No
172	GOM_NL__2PRFIN20100606_125606_000000412090_00081_43221_3312.N1	06-JUN-2010 12:56:06	Bright	41.000	130	23Bet Dra	2.7990	5800.0	82	43221	No
173	GOM_NL__2PRFIN20100606_130656_000000482090_00081_43221_3313.N1	06-JUN-2010 13:06:56	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	43221	No
174	GOM_NL__2PRFIN20100606_131234_000000572090_00081_43221_3314.N1	06-JUN-2010 13:12:34	Bright	57.000	76	27Gam Cas	2.3000	30000.	114	43221	No
175	GOM_NL__2PRFIN20100606_131816_000000382090_00081_43221_3315.N1	06-JUN-2010 13:18:16	Bright	37.500	73	57Gam1And	2.2600	13100.	75	43221	No
176	GOM_NL__2PRFIN20100606_132035_000000592090_00081_43221_3316.N1	06-JUN-2010 13:20:35	Bright	59.000	53	43Bet And	2.0480	3300.0	118	43221	No
177	GOM_NL__2PRFIN20100606_132442_000000442090_00081_43221_3317.N1	06-JUN-2010 13:24:42	Twilight	43.500	105	6Bet Ari	2.6450	8900.0	87	43221	No
178	GOM_NL__2PRFIN20100606_133757_000000492090_00081_43221_3318.N1	06-JUN-2010 13:37:57	Dark	48.500	52	16Bet Cet	2.0370	4500.0	97	43221	No
179	GOM_NL__2PRFIN20100606_134433_000000482090_00081_43221_3319.N1	06-JUN-2010 13:44:33	Dark	47.500	84	Alp Phe	2.3970	4500.0	95	43221	No
180	GOM_NL__2PRFIN20100606_134730_000000582090_00081_43221_3320.N1	06-JUN-2010 13:47:30	Dark	57.500	18	24Alp PsA	1.1660	9700.0	115	43221	No
181	GOM_NL__2PRFIN20100606_135014_000000502090_00082_43222_3309.N1	06-JUN-2010 13:50:14	Dark	50.000	63	Bet Gru	2.1500	2800.0	100	43222	No
182	GOM_NL__2PRFIN20100606_135212_000000472090_00082_43222_3310.N1	06-JUN-2010 13:52:12	Dark	47.000	31	Alp Gru	1.7340	15200.	94	43222	No
183	GOM_NL__2PRFIN20100606_135650_000000432090_00082_43222_3311.N1	06-JUN-2010 13:56:50	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	43222	No
184	GOM_NL__2PRFIN20100606_140538_000000462090_00082_43222_3312.N1	06-JUN-2010 14:05:38	Straylight	46.000	40	The Sco	1.8590	7100.0	92	43222	No
185	GOM_NL__2PRFIN20100606_140724_000000462090_00082_43222_3313.N1	06-JUN-2010 14:07:24	Tw_i_and_stray	46.000	25	35Lam Sco	1.6200	28000.	92	43222	No
186	GOM_NL__2PRFIN20100606_140902_000000452090_00082_43222_3314.N1	06-JUN-2010 14:09:02	Tw_i_and_stray	45.000	75	26Eps Sco	2.2910	4250.0	90	43222	No
187	GOM_NL__2PRFIN20100606_141100_000000432090_00082_43222_3315.N1	06-JUN-2010 14:11:00	Bright	43.000	136	23Tau Sco	2.8220	30000.	86	43222	No
188	GOM_NL__2PRFIN20100606_141428_000000442090_00082_43222_3316.N1	06-JUN-2010 14:14:28	Bright	43.500	86	35Eta Oph	2.4300	10200.	87	43222	No
189	GOM_NL__2PRFIN20100606_141616_000000412090_00082_43222_3317.N1	06-JUN-2010 14:16:16	Bright	40.500	98	13Zet Oph	2.5710	30000.	81	43222	No
190	GOM_NL__2PRFIN20100606_141825_000000392090_00082_43222_3318.N1	06-JUN-2010 14:18:25	Bright	39.000	120	1Del Oph	2.7340	3200.0	78	43222	No
191	GOM_NL__2PRFIN20100606_142608_000000402090_00082_43222_3319.N1	06-JUN-2010 14:26:08	Bright	40.000	127	27Bet Her	2.7810	4700.0	80	43222	No
192	GOM_NL__2PRFIN20100606_142925_000000432090_00082_43222_3320.N1	06-JUN-2010 14:29:25	Bright	42.500	133	40Zet Her	2.8070	6000.0	85	43222	No
193	GOM_NL__2PRFIN20100606_143641_000000442090_00082_43222_3321.N1	06-JUN-2010 14:36:41	Bright	44.000	130	23Bet Dra	2.7990	5800.0	88	43222	No
194	GOM_NL__2PRFIN20100606_144732_000000692090_00082_43222_3322.N1	06-JUN-2010 14:47:32	Bright	69.000	89	5Alp Cep	2.4510	8000.0	138	43222	No
195	GOM_NL__2PRFIN20100606_145310_000000372090_00082_43222_3323.N1	06-JUN-2010 14:53:10	Bright	37.000	76	27Gam Cas	2.3000	30000.	74	43222	No
196	GOM_NL__2PRFIN20100606_145852_000000372090_00082_43222_3324.N1	06-JUN-2010 14:58:52	Bright	36.500	73	57Gam1And	2.2600	13100.	73	43222	No
197	GOM_NL__2PRFIN20100606_150111_000000512090_00082_43222_3325.N1	06-JUN-2010 15:01:11	Bright	51.000	53	43Bet And	2.0480	3300.0	102	43222	No
198	GOM_NL__2PRFIN20100606_150518_000000442090_00082_43222_3326.N1	06-JUN-2010 15:05:18	Twilight	43.500	105	6Bet Ari	2.6450	8900.0	87	43222	No
199	GOM_NL__2PRFIN20100606_151834_000000482090_00082_43222_3327.N1	06-JUN-2010 15:18:34	Dark	47.500	52	16Bet Cet	2.0370	4500.0	95	43222	No
200	GOM_NL__2PRFIN20100606_152509_000000452090_00082_43222_3328.N1	06-JUN-2010 15:25:09	Dark	45.000	84	Alp Phe	2.3970	4500.0	90	43222	No
201	GOM_NL__2PRFIN20100606_152807_000000692090_00082_43222_3329.N1	06-JUN-2010 15:28:07	Dark	68.500	18	24Alp PsA	1.1660	9700.0	137	43222	No
202	GOM_NL__2PRFIN20100606_153051_000000482090_00083_43223_3317.N1	06-JUN-2010 15:30:51	Dark	47.500	63	Bet Gru	2.1500	2800.0	95	43223	No
203	GOM_NL__2PRFIN20100606_153249_000000472090_00083_43223_3318.N1	06-JUN-2010 15:32:49	Dark	46.500	31	Alp Gru	1.7340	15200.	93	43223	No
204	GOM_NL__2PRFIN20100606_153726_000000432090_00083_43223_3319.N1	06-JUN-2010 15:37:26	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	43223	No
205	GOM_NL__2PRFIN20100606_154614_000000462090_00083_43223_3320.N1	06-JUN-2010 15:46:14	Straylight	45.500	40	The Sco	1.8590	7100.0	91	43223	No
206	GOM_NL__2PRFIN20100606_154800_000000462090_00083_43223_3321.N1	06-JUN-2010 15:48:00	Tw_i_and_stray	46.000	25	35Lam Sco	1.6200	28000.	92	43223	No
207	GOM_NL__2PRFIN20100606_154938_000000452090_00083_43223_3322.N1	06-JUN-2010 15:49:38	Tw_i_and_stray	45.000	75	26Eps Sco	2.2910	4250.0	90	43223	No
208	GOM_NL__2PRFIN20100606_155136_000000442090_00083_43223_3323.N1	06-JUN-2010 15:51:36	Bright	43.500	136	23Tau Sco	2.8220	30000.	87	43223	No
209	GOM_NL__2PRFIN20100606_155504_000000432090_00083_43223_3324.N1	06-JUN-2010 15:55:04	Bright	43.000	86	35Eta Oph	2.4300	10200.	86	43223	No
210	GOM_NL__2PRFIN20100606_155652_000000412090_00083_43223_3325.N1	06-JUN-2010 15:56:52	Bright	40.500	98	13Zet Oph	2.5710	30000.	81	43223	No
211	GOM_NL__2PRFIN20100606_155901_000000382090_00083_43223_3326.N1	06-JUN-2010 15:59:01	Bright	37.500	120	1Del Oph	2.7340	3200.0	75	43223	No
212	GOM_NL__2PRFIN20100606_160644_000000412090_00083_43223_3327.N1	06-JUN-2010 16:06:44	Bright	40.500	127	27Bet Her	2.7810	4700.0	81	43223	No
213	GOM_NL__2PRFIN20100606_161000_000000432090_00083_43223_3328.N1	06-JUN-2010 16:10:00	Bright	42.500	133	40Zet Her	2.8070	6000.0	85	43223	No
214	GOM_NL__2PRFIN20100606_161716_000000442090_00083_43223_3329.N1	06-JUN-2010 16:17:16	Bright	44.000	130	23Bet Dra	2.7990	5800.0	88	43223	No
215	GOM_NL__2PRFIN20100606_162807_000000492090_00083_43223_3330.N1	06-JUN-2010 16:28:07	Bright	48.500	89	5Alp Cep	2.4510	8000.0	97	43223	No
216	GOM_NL__2PRFIN20100606_163346_000000492090_00083_43223_3331.N1	06-JUN-2010 16:33:46	Bright	49.000	76	27Gam Cas	2.3000	30000.	98	43223	No
217	GOM_NL__2PRFIN20100606_163928_000000362090_00083_43223_3332.N1	06-JUN-2010 16:39:28	Bright	35.500	73	57Gam1And	2.2600	13100.	71	43223	No
218	GOM_NL__2PRFIN20100606_164147_000000592090_00083_43223_3333.N1	06-JUN-2010 16:41:47	Bright	59.000	53	43Bet And	2.0480	3300.0	118	43223	No
219	GOM_NL__2PRFIN20100606_164554_000000432090_00083_43223_3334.N1	06-JUN-2010 16:45:54	Twilight	43.000	105	6Bet Ari	2.6450	8900.0	86	43223	No

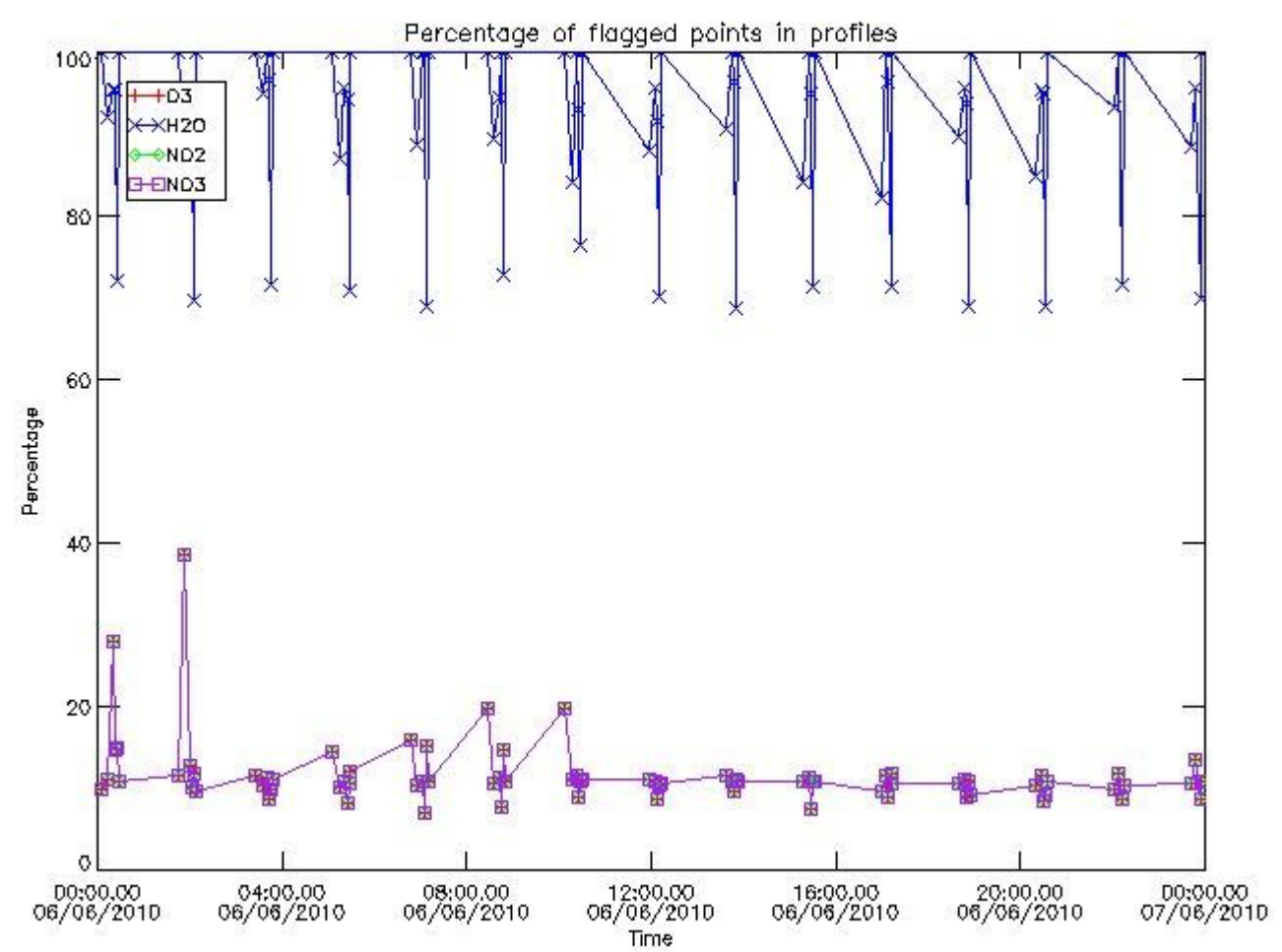
220	GOM_NL__2PRFIN20100606_165910_000000542090_00083_43223_3335.N1	06-JUN-2010 16:59:10	Dark	53.500	52	16Bet Cet	2.0370	4500.0	107	43223	No
221	GOM_NL__2PRFIN20100606_170546_000000452090_00083_43223_3336.N1	06-JUN-2010 17:05:46	Dark	44.500	84	Alp Phe	2.3970	4500.0	89	43223	No
222	GOM_NL__2PRFIN20100606_170844_000000572090_00083_43223_3337.N1	06-JUN-2010 17:08:44	Dark	56.500	18	24Alp PsA	1.1660	9700.0	113	43223	No
223	GOM_NL__2PRFIN20100606_171128_000000482090_00084_43224_3345.N1	06-JUN-2010 17:11:28	Dark	47.500	63	Bet Gru	2.1500	2800.0	95	43224	No
224	GOM_NL__2PRFIN20100606_171326_000000482090_00084_43224_3346.N1	06-JUN-2010 17:13:26	Dark	48.000	31	Alp Gru	1.7340	15200.	96	43224	No
225	GOM_NL__2PRFIN20100606_171803_000000422090_00084_43224_3347.N1	06-JUN-2010 17:18:03	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	43224	No
226	GOM_NL__2PRFIN20100606_172650_000000482090_00084_43224_3348.N1	06-JUN-2010 17:26:50	Straylight	47.500	40	The Sco	1.8590	7100.0	95	43224	No
227	GOM_NL__2PRFIN20100606_172836_000000462090_00084_43224_3349.N1	06-JUN-2010 17:28:36	Tw_i_and_stray	46.000	25	35Lam Sco	1.6200	28000.	92	43224	No
228	GOM_NL__2PRFIN20100606_173014_000000462090_00084_43224_3350.N1	06-JUN-2010 17:30:14	Tw_i_and_stray	46.000	75	26Eps Sco	2.2910	4250.0	92	43224	No
229	GOM_NL__2PRFIN20100606_173213_000000522090_00084_43224_3351.N1	06-JUN-2010 17:32:13	Bright	52.000	136	23Tau Sco	2.8220	30000.	104	43224	No
230	GOM_NL__2PRFIN20100606_173540_000000442090_00084_43224_3352.N1	06-JUN-2010 17:35:40	Bright	43.500	86	35Eta Oph	2.4300	10200.	87	43224	No
231	GOM_NL__2PRFIN20100606_173728_000000412090_00084_43224_3353.N1	06-JUN-2010 17:37:28	Bright	40.500	98	13Zet Oph	2.5710	30000.	81	43224	No
232	GOM_NL__2PRFIN20100606_173936_000000392090_00084_43224_3354.N1	06-JUN-2010 17:39:36	Bright	38.500	120	1Del Oph	2.7340	3200.0	77	43224	No
233	GOM_NL__2PRFIN20100606_174720_000000402090_00084_43224_3355.N1	06-JUN-2010 17:47:20	Bright	40.000	127	27Bet Her	2.7810	4700.0	80	43224	No
234	GOM_NL__2PRFIN20100606_175037_000000422090_00084_43224_3356.N1	06-JUN-2010 17:50:37	Bright	42.000	133	40Zet Her	2.8070	6000.0	84	43224	No
235	GOM_NL__2PRFIN20100606_175752_000000442090_00084_43224_3357.N1	06-JUN-2010 17:57:52	Bright	44.000	130	23Bet Dra	2.7990	5800.0	88	43224	No
236	GOM_NL__2PRFIN20100606_180842_000000482090_00084_43224_3358.N1	06-JUN-2010 18:08:42	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	43224	No
237	GOM_NL__2PRFIN20100606_181422_000000572090_00084_43224_3359.N1	06-JUN-2010 18:14:22	Bright	57.000	76	27Gam Cas	2.3000	30000.	114	43224	No
238	GOM_NL__2PRFIN20100606_182004_000000392090_00084_43224_3360.N1	06-JUN-2010 18:20:04	Bright	38.500	73	57Gam1And	2.2600	13100.	77	43224	No
239	GOM_NL__2PRFIN20100606_182223_000000482090_00084_43224_3361.N1	06-JUN-2010 18:22:23	Bright	48.000	53	43Bet And	2.0480	3300.0	96	43224	No
240	GOM_NL__2PRFIN20100606_182630_000000422090_00084_43224_3362.N1	06-JUN-2010 18:26:30	Twilight	41.500	105	6Bet Ari	2.6450	8900.0	83	43224	No
241	GOM_NL__2PRFIN20100606_183947_000000492090_00084_43224_3363.N1	06-JUN-2010 18:39:47	Dark	48.500	52	16Bet Cet	2.0370	4500.0	97	43224	No
242	GOM_NL__2PRFIN20100606_184622_000000462090_00084_43224_3364.N1	06-JUN-2010 18:46:22	Dark	45.500	84	Alp Phe	2.3970	4500.0	91	43224	No
243	GOM_NL__2PRFIN20100606_184922_000000572090_00084_43224_3365.N1	06-JUN-2010 18:49:22	Dark	56.500	18	24Alp PsA	1.1660	9700.0	113	43224	No
244	GOM_NL__2PRFIN20100606_185205_000000622090_00085_43225_3353.N1	06-JUN-2010 18:52:05	Dark	61.500	63	Bet Gru	2.1500	2800.0	123	43225	No
245	GOM_NL__2PRFIN20100606_185403_000000562090_00085_43225_3354.N1	06-JUN-2010 18:54:03	Dark	55.500	31	Alp Gru	1.7340	15200.	111	43225	No
246	GOM_NL__2PRFIN20100606_185839_000000422090_00085_43225_3355.N1	06-JUN-2010 18:58:39	Straylight	41.500	45	Alp Pav	1.9400	26000.	83	43225	No
247	GOM_NL__2PRFIN20100606_190727_000000462090_00085_43225_3356.N1	06-JUN-2010 19:07:27	Straylight	45.500	40	The Sco	1.8590	7100.0	91	43225	No
248	GOM_NL__2PRFIN20100606_190913_000000452090_00085_43225_3357.N1	06-JUN-2010 19:09:13	Tw_i_and_stray	44.500	25	35Lam Sco	1.6200	28000.	89	43225	No
249	GOM_NL__2PRFIN20100606_191051_000000442090_00085_43225_3358.N1	06-JUN-2010 19:10:51	Tw_i_and_stray	43.500	75	26Eps Sco	2.2910	4250.0	87	43225	No
250	GOM_NL__2PRFIN20100606_191249_000000462090_00085_43225_3359.N1	06-JUN-2010 19:12:49	Bright	46.000	136	23Tau Sco	2.8220	30000.	92	43225	No
251	GOM_NL__2PRFIN20100606_191616_000000442090_00085_43225_3360.N1	06-JUN-2010 19:16:16	Bright	44.000	86	35Eta Oph	2.4300	10200.	88	43225	No
252	GOM_NL__2PRFIN20100606_191804_000000412090_00085_43225_3361.N1	06-JUN-2010 19:18:04	Bright	41.000	98	13Zet Oph	2.5710	30000.	82	43225	No
253	GOM_NL__2PRFIN20100606_192012_000000402090_00085_43225_3362.N1	06-JUN-2010 19:20:12	Bright	39.500	120	1Del Oph	2.7340	3200.0	79	43225	No
254	GOM_NL__2PRFIN20100606_192756_000000412090_00085_43225_3363.N1	06-JUN-2010 19:27:56	Bright	41.000	127	27Bet Her	2.7810	4700.0	82	43225	No
255	GOM_NL__2PRFIN20100606_193112_000000412090_00085_43225_3364.N1	06-JUN-2010 19:31:12	Bright	40.500	133	40Zet Her	2.8070	6000.0	81	43225	No
256	GOM_NL__2PRFIN20100606_193827_000000452090_00085_43225_3365.N1	06-JUN-2010 19:38:27	Bright	44.500	130	23Bet Dra	2.7990	5800.0	89	43225	No
257	GOM_NL__2PRFIN20100606_194917_000000492090_00085_43225_3366.N1	06-JUN-2010 19:49:17	Bright	49.000	89	5Alp Cep	2.4510	8000.0	98	43225	No
258	GOM_NL__2PRFIN20100606_195457_000000552090_00085_43225_3367.N1	06-JUN-2010 19:54:57	Bright	54.500	76	27Gam Cas	2.3000	30000.	109	43225	No
259	GOM_NL__2PRFIN20100606_200040_000000342090_00085_43225_3368.N1	06-JUN-2010 20:00:40	Bright	34.000	73	57Gam1And	2.2600	13100.	68	43225	No
260	GOM_NL__2PRFIN20100606_200259_000000502090_00085_43225_3369.N1	06-JUN-2010 20:02:59	Bright	49.500	53	43Bet And	2.0480	3300.0	99	43225	No
261	GOM_NL__2PRFIN20100606_200706_000000422090_00085_43225_3370.N1	06-JUN-2010 20:07:06	Twilight	41.500	105	6Bet Ari	2.6450	8900.0	83	43225	No
262	GOM_NL__2PRFIN20100606_202024_000000502090_00085_43225_3371.N1	06-JUN-2010 20:20:24	Dark	49.500	52	16Bet Cet	2.0370	4500.0	99	43225	No
263	GOM_NL__2PRFIN20100606_202659_000000442090_00085_43225_3372.N1	06-JUN-2010 20:26:59	Dark	44.000	84	Alp Phe	2.3970	4500.0	88	43225	No
264	GOM_NL__2PRFIN20100606_202959_000000612090_00085_43225_3373.N1	06-JUN-2010 20:29:59	Dark	61.000	18	24Alp PsA	1.1660	9700.0	122	43225	No
265	GOM_NL__2PRFIN20100606_203241_000000622090_00086_43226_3361.N1	06-JUN-2010 20:32:41	Dark	61.500	63	Bet Gru	2.1500	2800.0	123	43226	No
266	GOM_NL__2PRFIN20100606_203440_000000472090_00086_43226_3362.N1	06-JUN-2010 20:34:40	Dark	47.000	31	Alp Gru	1.7340	15200.	94	43226	No
267	GOM_NL__2PRFIN20100606_203916_000000482090_00086_43226_3363.N1	06-JUN-2010 20:39:16	Straylight	47.500	45	Alp Pav	1.9400	26000.	95	43226	No
268	GOM_NL__2PRFIN20100606_204803_000000472090_00086_43226_3364.N1	06-JUN-2010 20:48:03	Straylight	47.000	40	The Sco	1.8590	7100.0	94	43226	No
269	GOM_NL__2PRFIN20100606_204949_000000462090_00086_43226_3365.N1	06-JUN-2010 20:49:49	Tw_i_and_stray	46.000	25	35Lam Sco	1.6200	28000.	92	43226	No
270	GOM_NL__2PRFIN20100606_205127_000000452090_00086_43226_3366.N1	06-JUN-2010 20:51:27	Tw_i_and_stray	45.000	75	26Eps Sco	2.2910	4250.0	90	43226	No
271	GOM_NL__2PRFIN20100606_205325_000000552090_00086_43226_3367.N1	06-JUN-2010 20:53:25	Bright	55.000	136	23Tau Sco	2.8220	30000.	110	43226	No
272	GOM_NL__2PRFIN20100606_205652_000000432090_00086_43226_3368.N1	06-JUN-2010 20:56:52	Bright	43.000	86	35Eta Oph	2.4300	10200.	86	43226	No
273	GOM_NL__2PRFIN20100606_205840_000000402090_00086_43226_3369.N1	06-JUN-2010 20:58:40	Bright	39.500	98	13Zet Oph	2.5710	30000.	79	43226	No
274	GOM_NL__2PRFIN20100606_210049_000000392090_00086_43226_3370.N1	06-JUN-2010 21:00:49	Bright	39.000	120	1Del Oph	2.7340	3200.0	78	43226	No
275	GOM_NL__2PRFIN20100606_210831_000000402090_00086_43226_3371.N1	06-JUN-2010 21:08:31	Bright	40.000	127	27Bet Her	2.7810	4700.0	80	43226	No
276	GOM_NL__2PRFIN20100606_211147_000000412090_00086_43226_3372.N1	06-JUN-2010 21:11:47	Bright	40.500	133	40Zet Her	2.8070	6000.0	81	43226	No
277	GOM_NL__2PRFIN20100606_211903_000000442090_00086_43226_3373.N1	06-JUN-2010 21:19:03	Bright	44.000	130	23Bet Dra	2.7990	5800.0	88	43226	No
278	GOM_NL__2PRFIN20100606_212953_000000492090_00086_43226_3374.N1	06-JUN-2010 21:29:53	Bright	49.000	89	5Alp Cep	2.4510	8000.0	98	43226	No

279	GOM_NL__2PRFIN20100606_213533_000000572090_00086_43226_3375.N1	06-JUN-2010 21:35:33	Bright	57.000	76	27Gam Cas	2.3000	30000.	114	43226	No
280	GOM_NL__2PRFIN20100606_214116_000000382090_00086_43226_3376.N1	06-JUN-2010 21:41:16	Bright	37.500	73	57Gam1And	2.2600	13100.	75	43226	No
281	GOM_NL__2PRFIN20100606_214335_000000602090_00086_43226_3377.N1	06-JUN-2010 21:43:35	Bright	60.000	53	43Bet And	2.0480	3300.0	120	43226	No
282	GOM_NL__2PRFIN20100606_214743_000000392090_00086_43226_3378.N1	06-JUN-2010 21:47:43	Twilight	39.000	105	6Bet Ari	2.6450	8900.0	78	43226	No
283	GOM_NL__2PRFIN20100606_220100_000000522090_00086_43226_3379.N1	06-JUN-2010 22:01:00	Dark	51.500	52	16Bet Cet	2.0370	4500.0	103	43226	No
284	GOM_NL__2PRFIN20100606_220736_000000432090_00086_43226_3380.N1	06-JUN-2010 22:07:36	Dark	43.000	84	Alp Phe	2.3970	4500.0	86	43226	No
285	GOM_NL__2PRFIN20100606_221318_000000592090_00087_43227_3369.N1	06-JUN-2010 22:13:18	Dark	58.500	63	Bet Gru	2.1500	2800.0	117	43227	No
286	GOM_NL__2PRFIN20100606_221517_000000502090_00087_43227_3370.N1	06-JUN-2010 22:15:17	Dark	49.500	31	Alp Gru	1.7340	15200.	99	43227	No
287	GOM_NL__2PRFIN20100606_221952_000000432090_00087_43227_3371.N1	06-JUN-2010 22:19:52	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	43227	No
288	GOM_NL__2PRFIN20100606_222840_000000452090_00087_43227_3372.N1	06-JUN-2010 22:28:40	Straylight	44.500	40	The Sco	1.8590	7100.0	89	43227	No
289	GOM_NL__2PRFIN20100606_223025_000000462090_00087_43227_3373.N1	06-JUN-2010 22:30:25	Tw_i_and_stray	46.000	25	35Lam Sco	1.6200	28000.	92	43227	No
290	GOM_NL__2PRFIN20100606_223203_000000442090_00087_43227_3374.N1	06-JUN-2010 22:32:03	Tw_i_and_stray	44.000	75	26Eps Sco	2.2910	4250.0	88	43227	No
291	GOM_NL__2PRFIN20100606_223401_000000412090_00087_43227_3375.N1	06-JUN-2010 22:34:01	Bright	40.500	136	23Tau Sco	2.8220	30000.	81	43227	No
292	GOM_NL__2PRFIN20100606_223728_000000442090_00087_43227_3376.N1	06-JUN-2010 22:37:28	Bright	43.500	86	35Eta Oph	2.4300	10200.	87	43227	No
293	GOM_NL__2PRFIN20100606_223916_000000412090_00087_43227_3377.N1	06-JUN-2010 22:39:16	Bright	40.500	98	13Zet Oph	2.5710	30000.	81	43227	No
294	GOM_NL__2PRFIN20100606_224124_000000382090_00087_43227_3378.N1	06-JUN-2010 22:41:24	Bright	37.500	120	1Del Oph	2.7340	3200.0	75	43227	No
295	GOM_NL__2PRFIN20100606_224907_000000392090_00087_43227_3379.N1	06-JUN-2010 22:49:07	Bright	38.500	127	27Bet Her	2.7810	4700.0	77	43227	No
296	GOM_NL__2PRFIN20100606_225223_000000412090_00087_43227_3380.N1	06-JUN-2010 22:52:23	Bright	40.500	133	40Zet Her	2.8070	6000.0	81	43227	No
297	GOM_NL__2PRFIN20100606_225938_000000432090_00087_43227_3381.N1	06-JUN-2010 22:59:38	Bright	43.000	130	23Bet Dra	2.7990	5800.0	86	43227	No
298	GOM_NL__2PRFIN20100606_231028_000000482090_00087_43227_3382.N1	06-JUN-2010 23:10:28	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	43227	No
299	GOM_NL__2PRFIN20100606_231609_000000412090_00087_43227_3383.N1	06-JUN-2010 23:16:09	Bright	41.000	76	27Gam Cas	2.3000	30000.	82	43227	No
300	GOM_NL__2PRFIN20100606_232152_000000372090_00087_43227_3384.N1	06-JUN-2010 23:21:52	Bright	37.000	73	57Gam1And	2.2600	13100.	74	43227	No
301	GOM_NL__2PRFIN20100606_232411_000000572090_00087_43227_3385.N1	06-JUN-2010 23:24:11	Bright	57.000	53	43Bet And	2.0480	3300.0	114	43227	No
302	GOM_NL__2PRFIN20100606_232819_000000432090_00087_43227_3386.N1	06-JUN-2010 23:28:19	Twilight	43.000	105	6Bet Ari	2.6450	8900.0	86	43227	No
303	GOM_NL__2PRFIN20100606_234137_000000532090_00087_43227_3387.N1	06-JUN-2010 23:41:37	Dark	52.500	52	16Bet Cet	2.0370	4500.0	105	43227	No
304	GOM_NL__2PRFIN20100606_234812_000000462090_00087_43227_3388.N1	06-JUN-2010 23:48:12	Dark	45.500	84	Alp Phe	2.3970	4500.0	91	43227	No
305	GOM_NL__2PRFIN20100606_235355_000000592090_00088_43228_3377.N1	06-JUN-2010 23:53:55	Dark	58.500	63	Bet Gru	2.1500	2800.0	117	43228	No
306	GOM_NL__2PRFIN20100606_235553_000000472090_00088_43228_3378.N1	06-JUN-2010 23:55:53	Dark	46.500	31	Alp Gru	1.7340	15200.	93	43228	No

### 3. Quality information per product

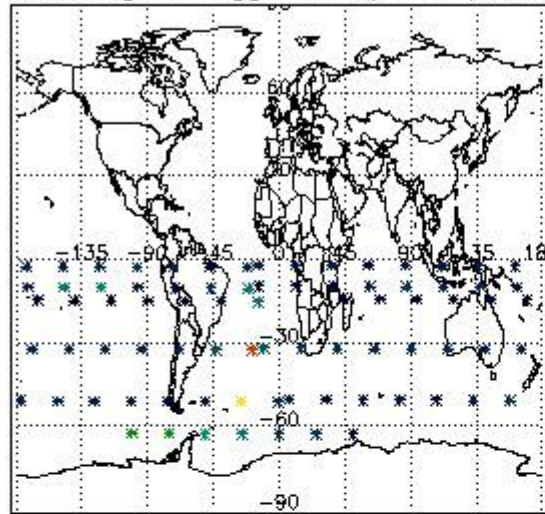
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

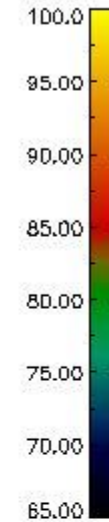
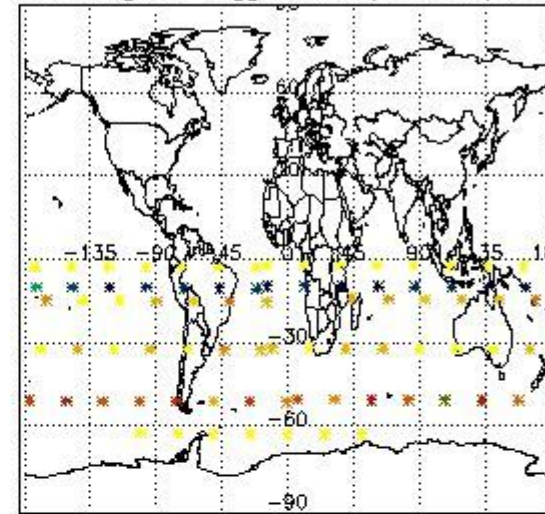


3.2 Plot quality information per product (world map)

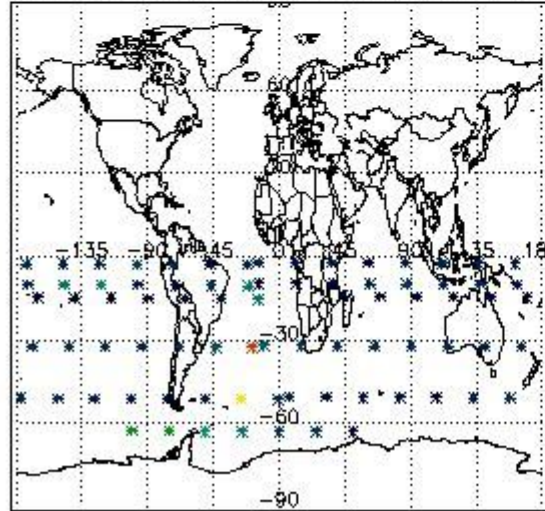
Percentage of flagged data per O3 profile



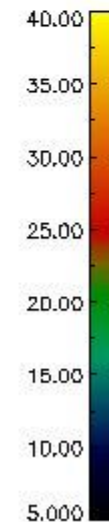
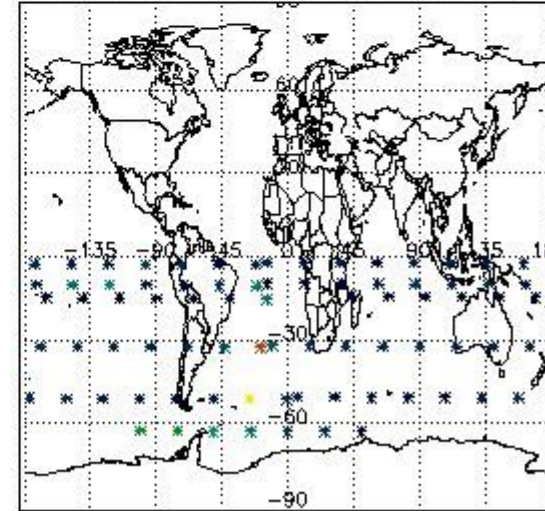
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

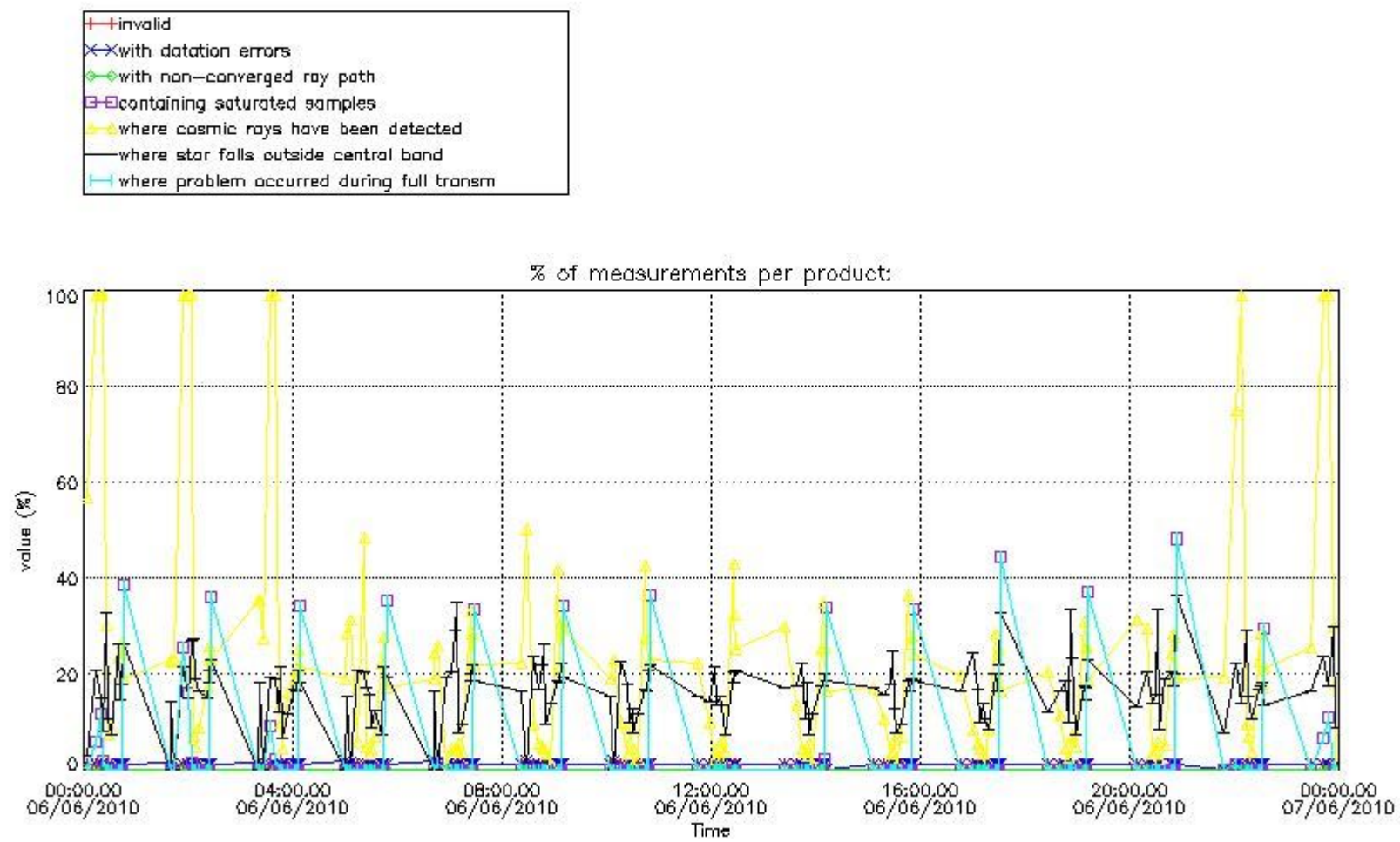


#### 4. Level 1 quality information per product

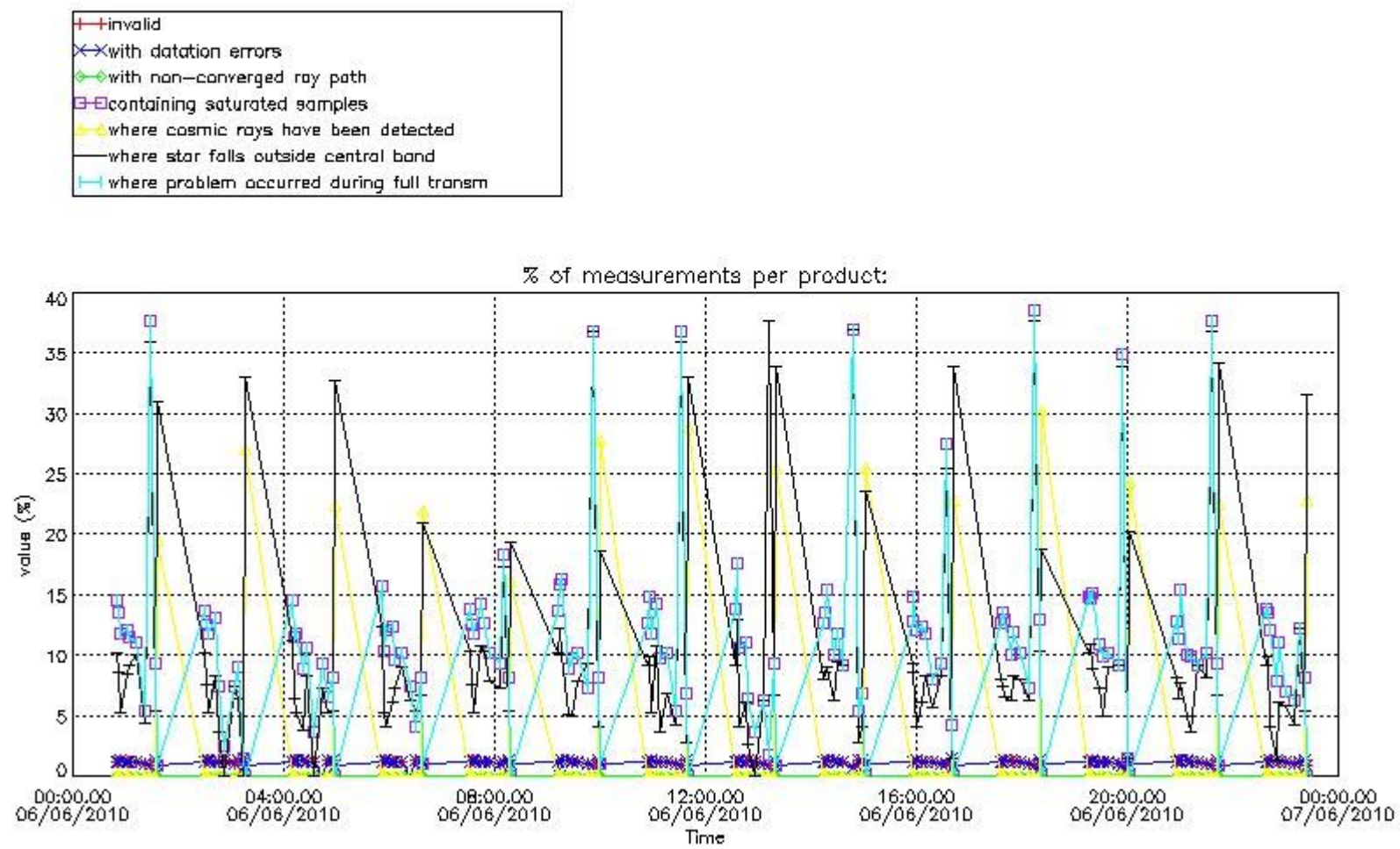
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



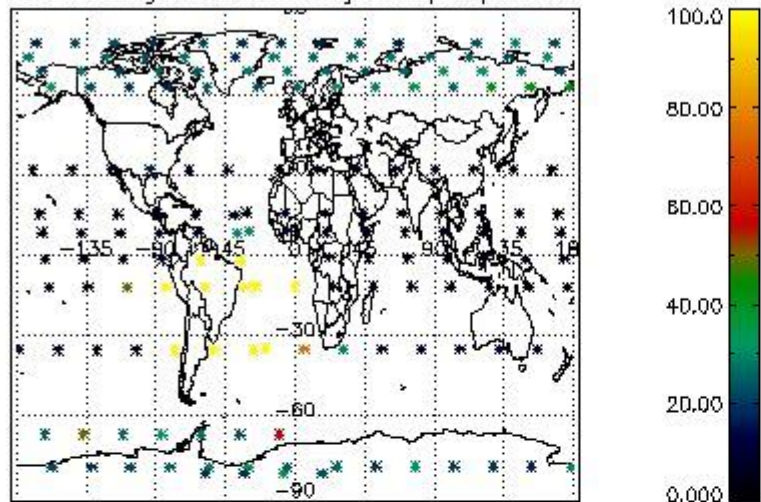
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



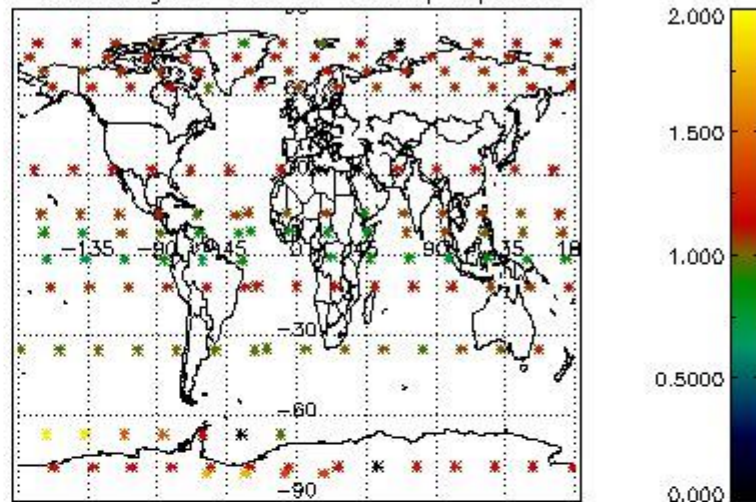
4.2 Plot quality information per product coming from level 1b processing (world map)

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

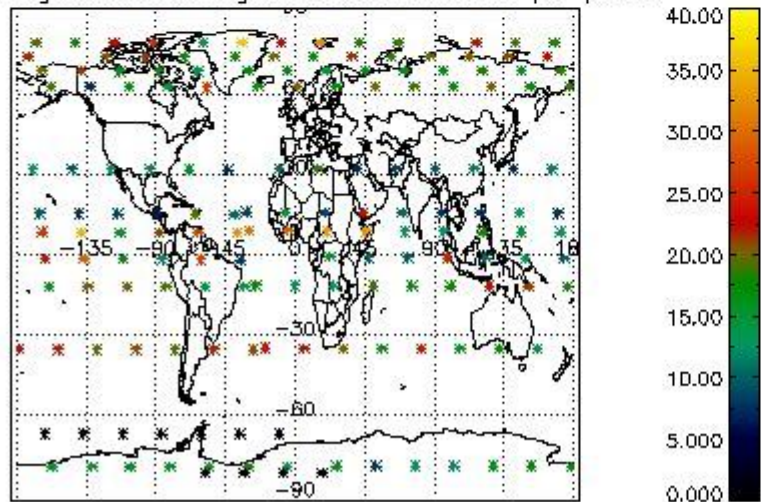
Percentage of cosmic ray hits per profile



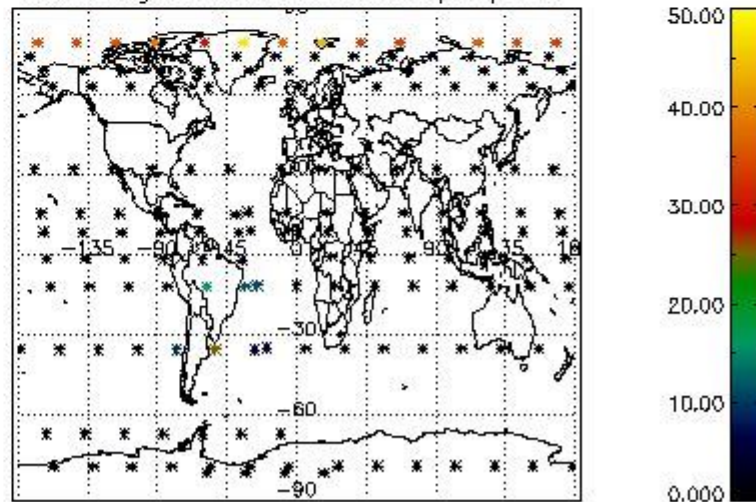
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

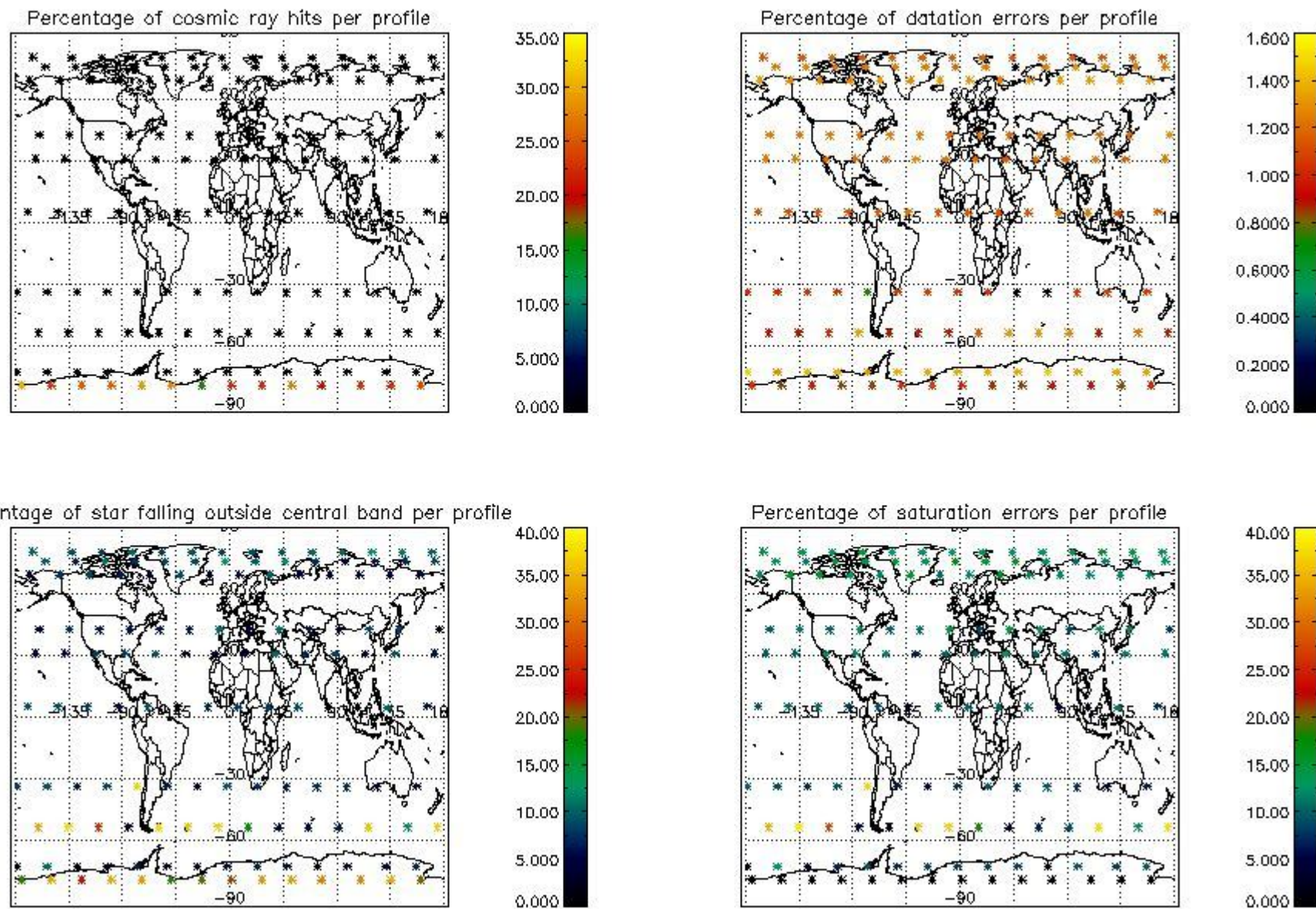


Percentage of saturation errors per profile



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





## 5. Trace gas profiles

### 5.1 Ozone statistics based on quality of products

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

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

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

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

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

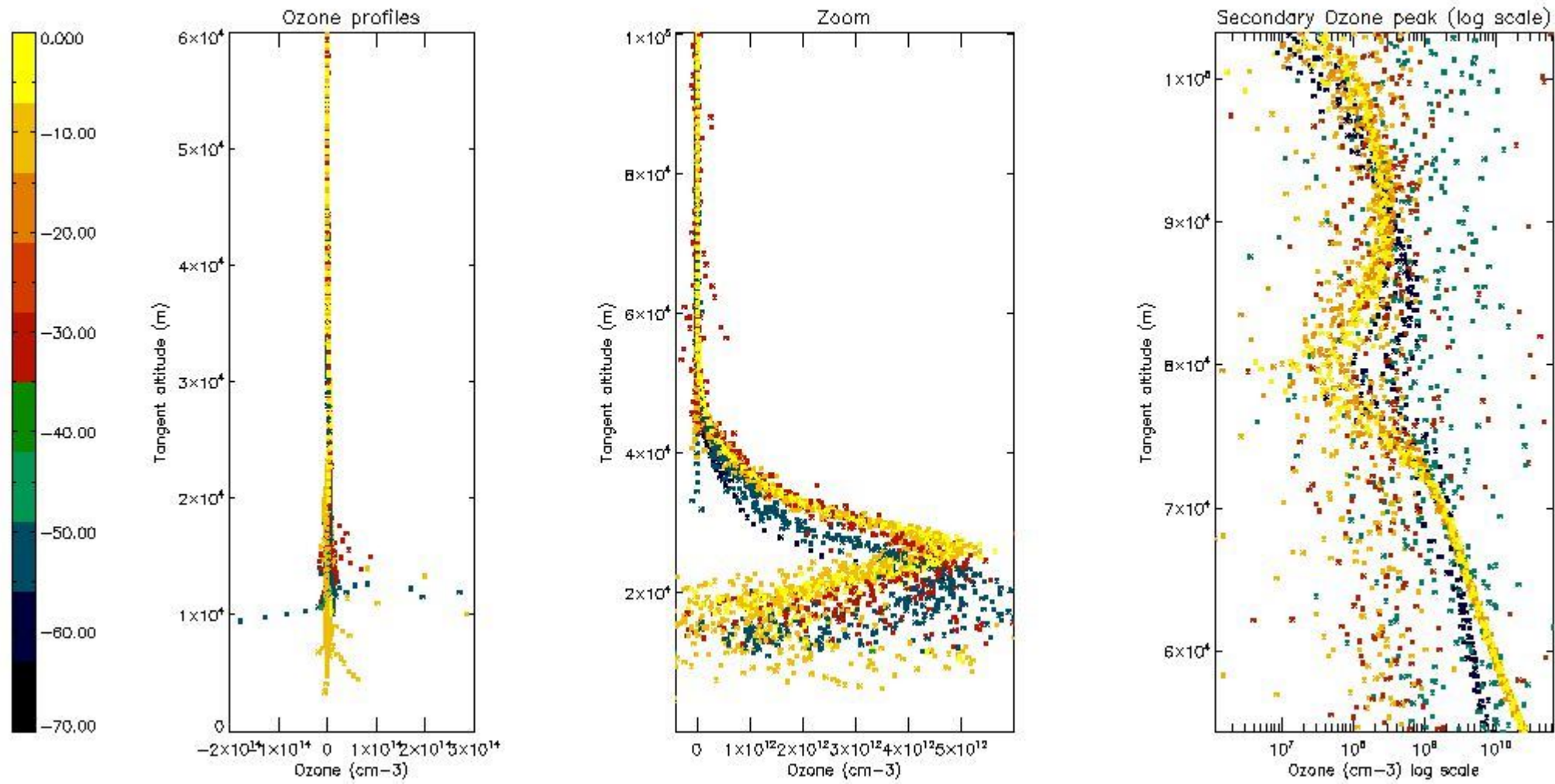
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	30
STD < 20	12

STD < 10	8
STD < 5	6

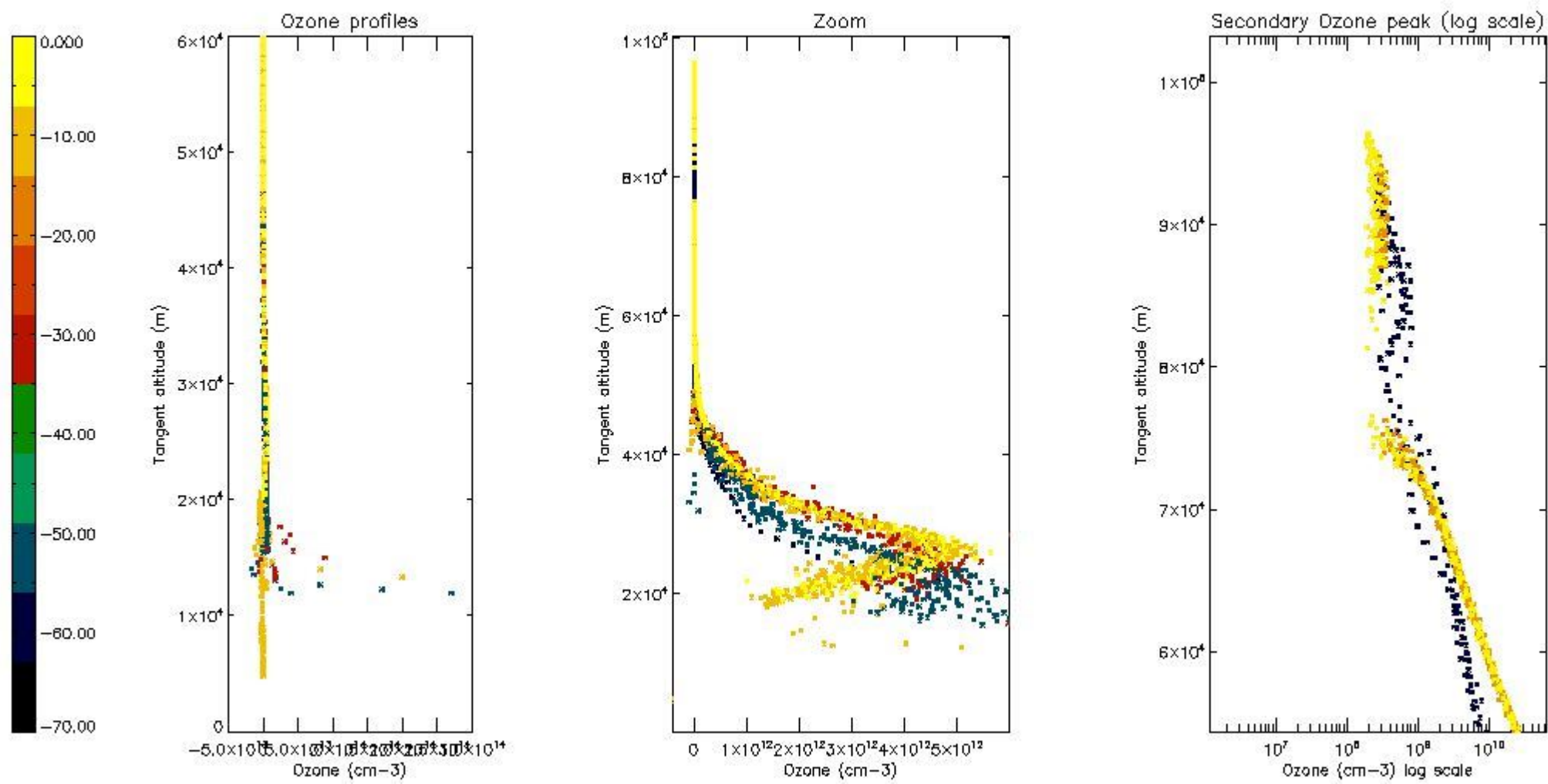
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



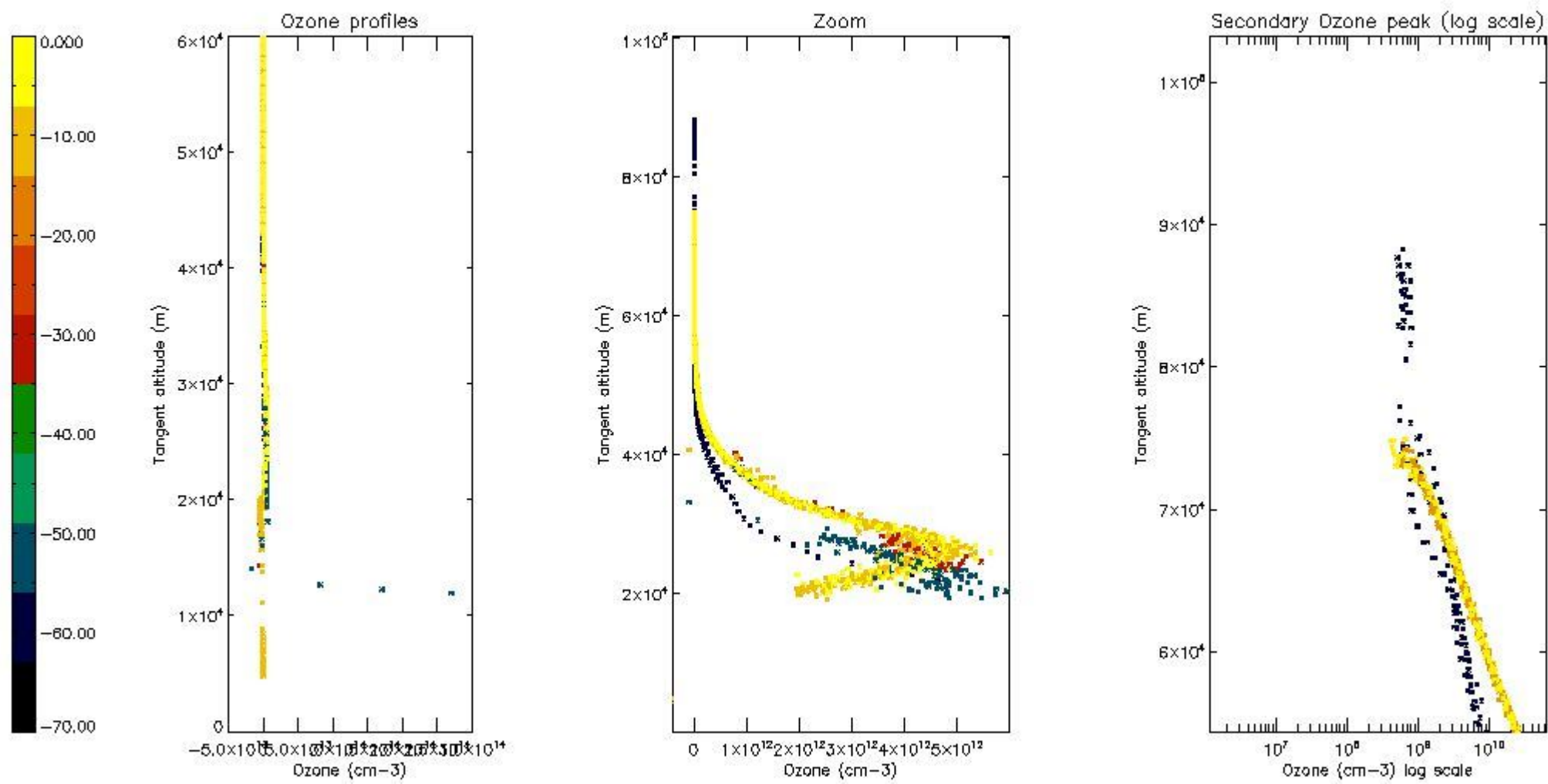
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



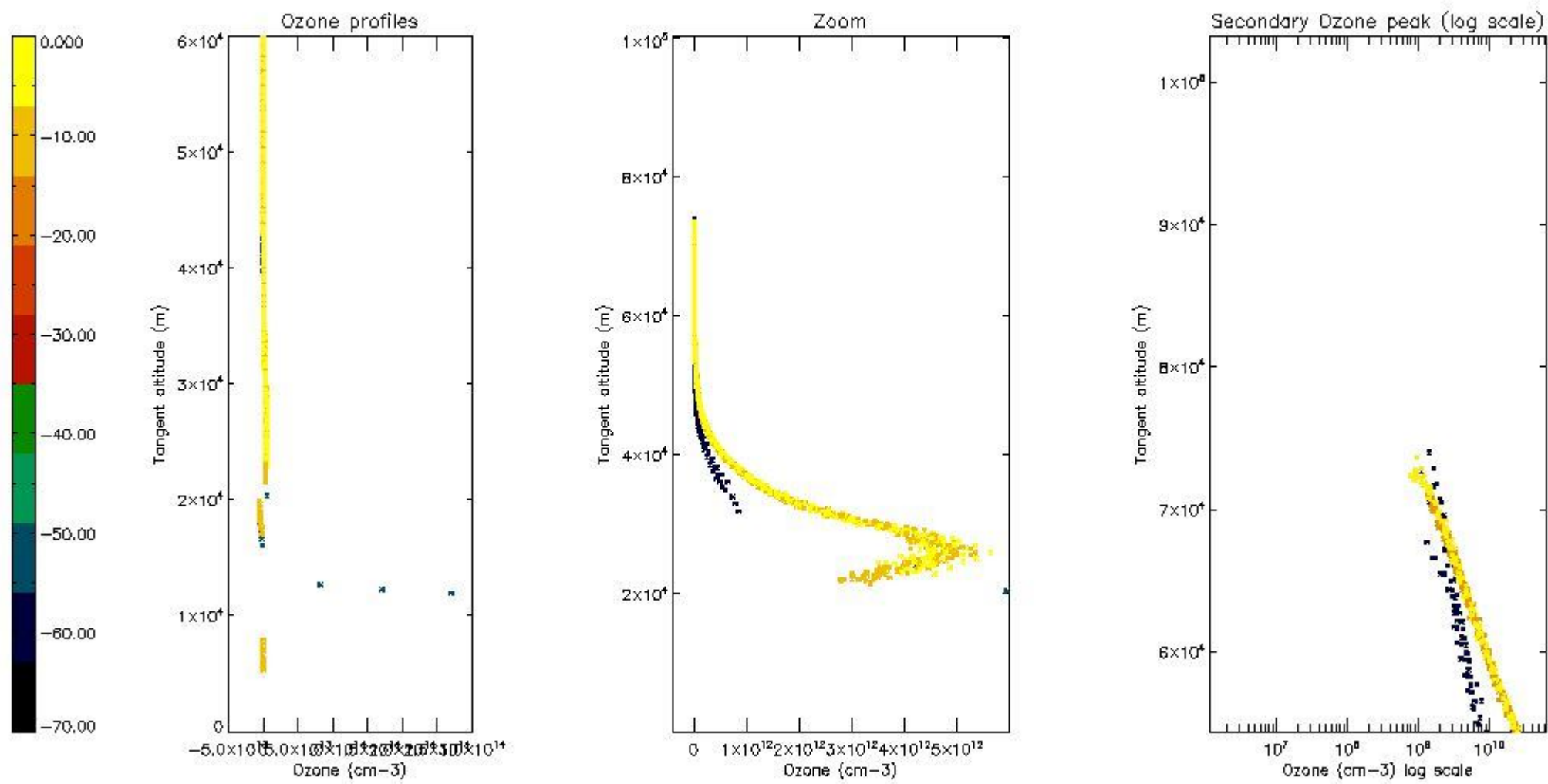
5.4 Plot ozone profiles where  $STD < 10\%$  (dark without errors)

The colorbar represents the latitude.



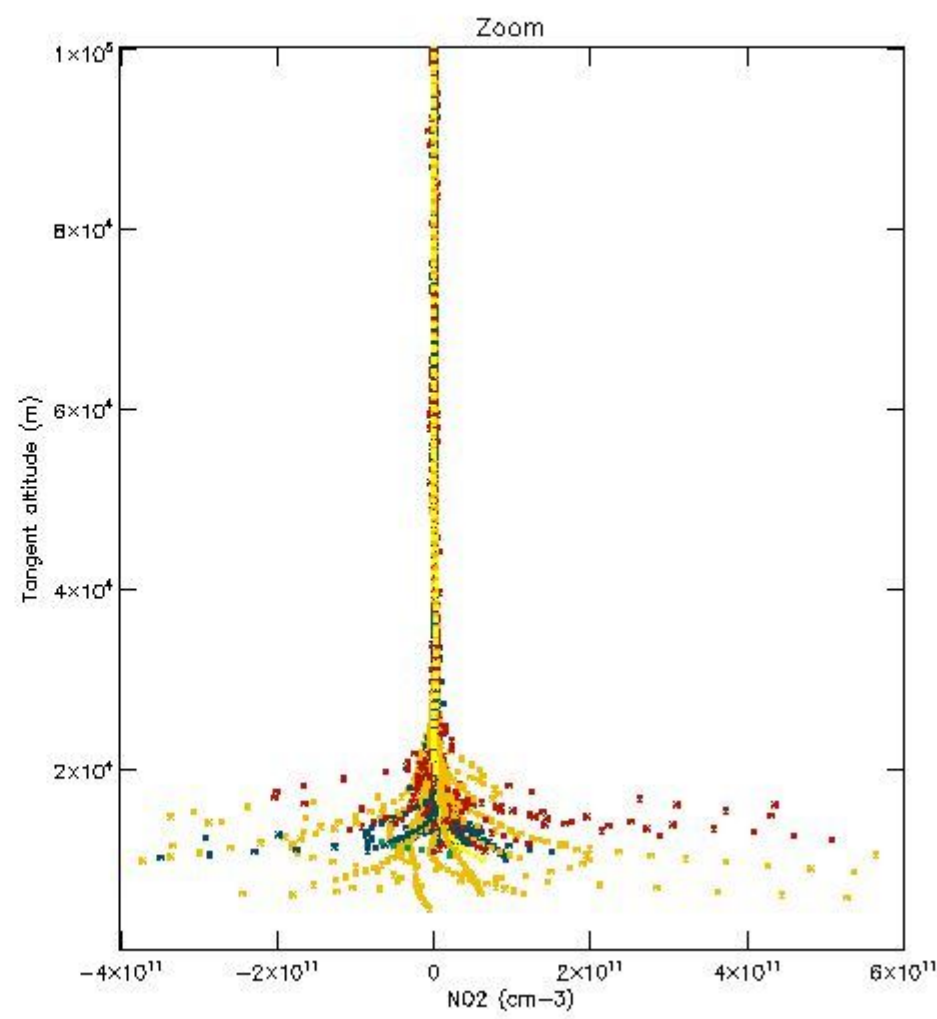
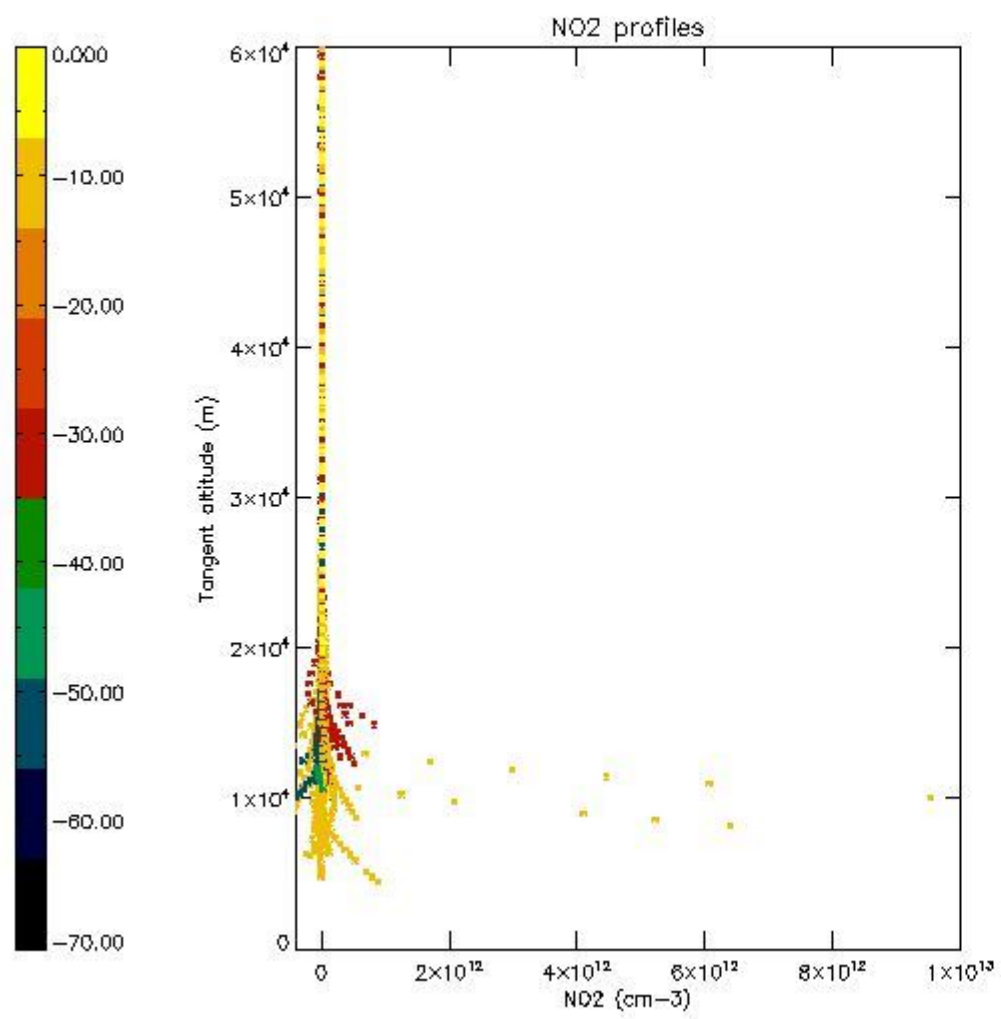
*5.5 Plot ozone profiles where  $STD < 5\%$  (dark without errors)*

The colorbar represents the latitude.



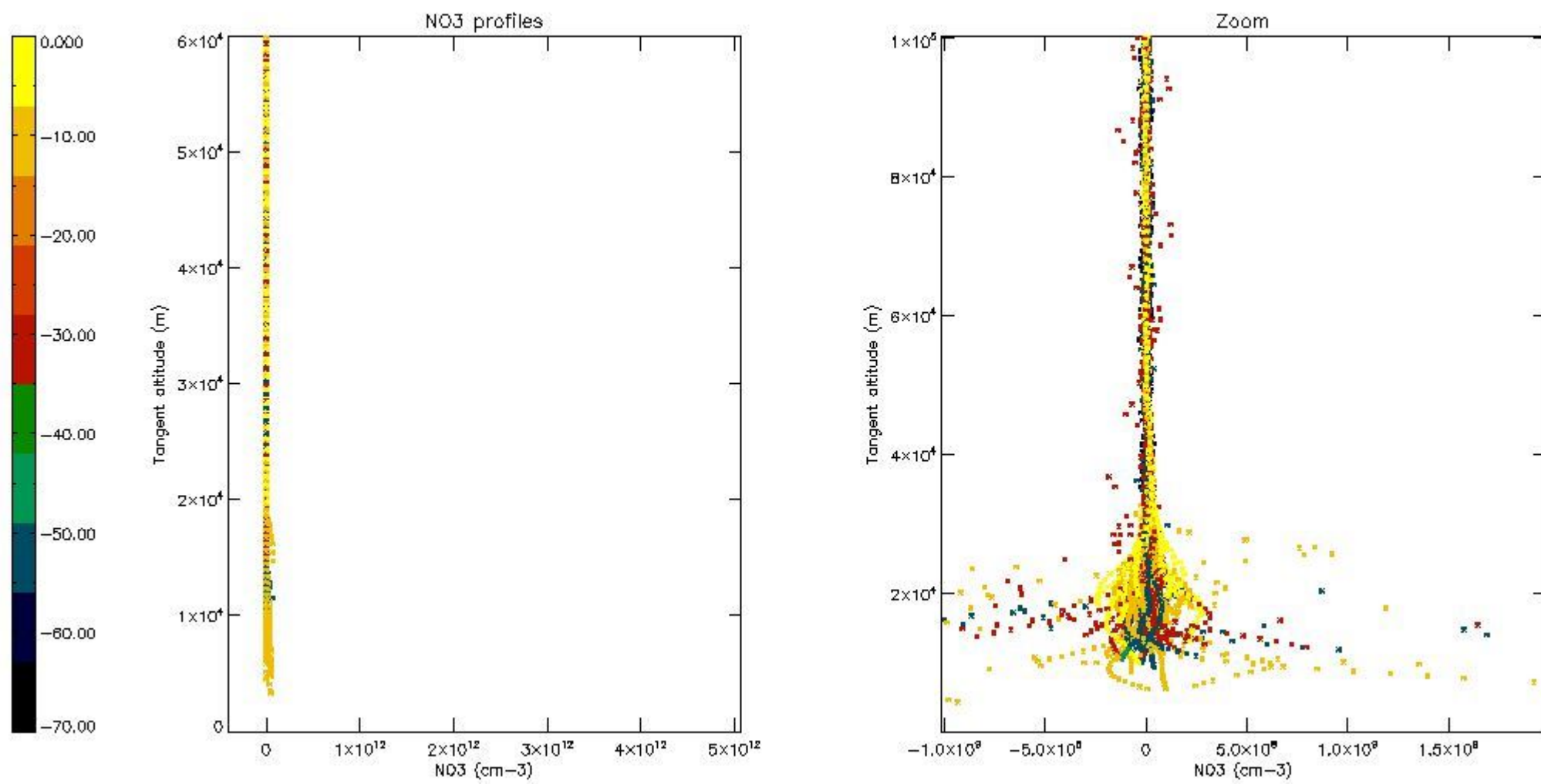
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



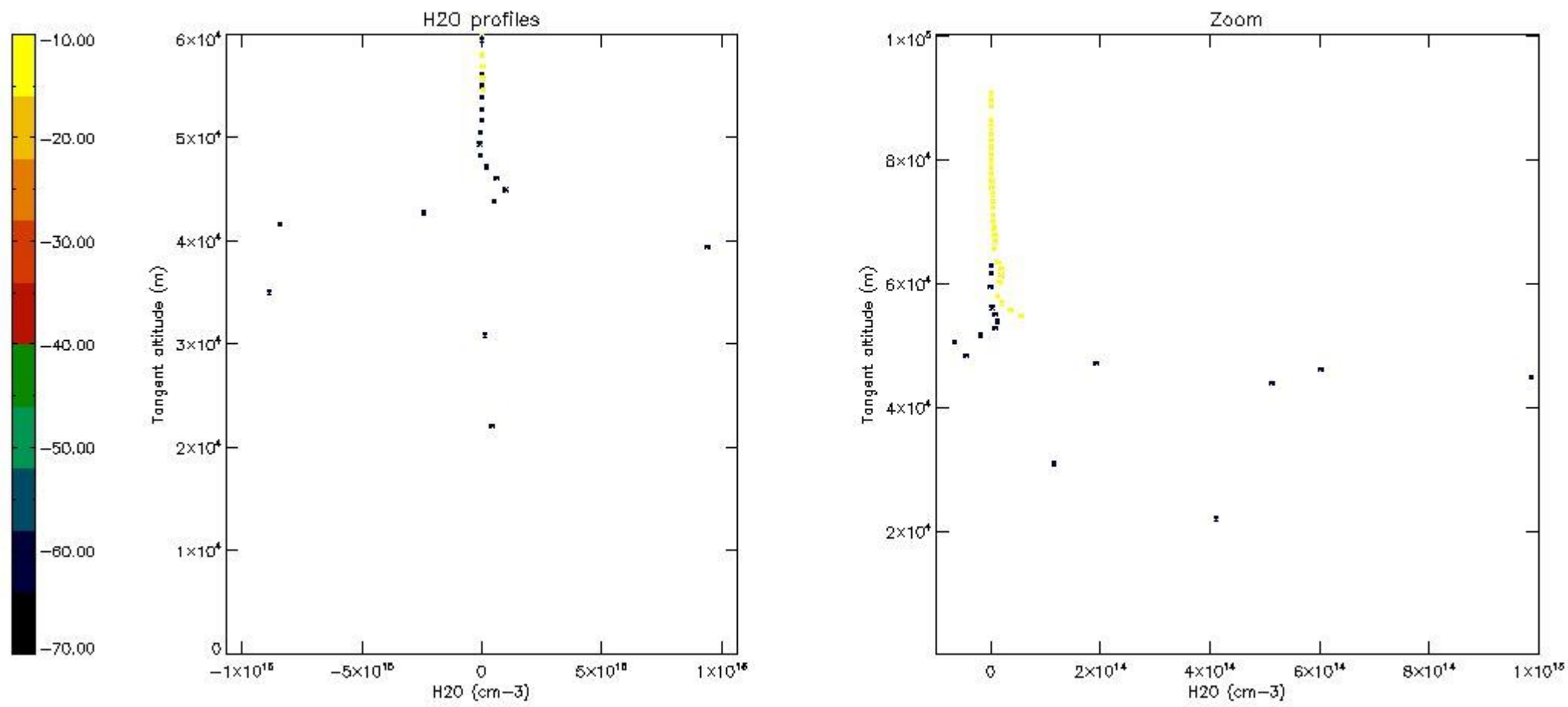
*5.7 Plot NO3 profiles for all STD (dark without errors)*

The colorbar represents the latitude.



5.8 Plot H<sub>2</sub>O 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.

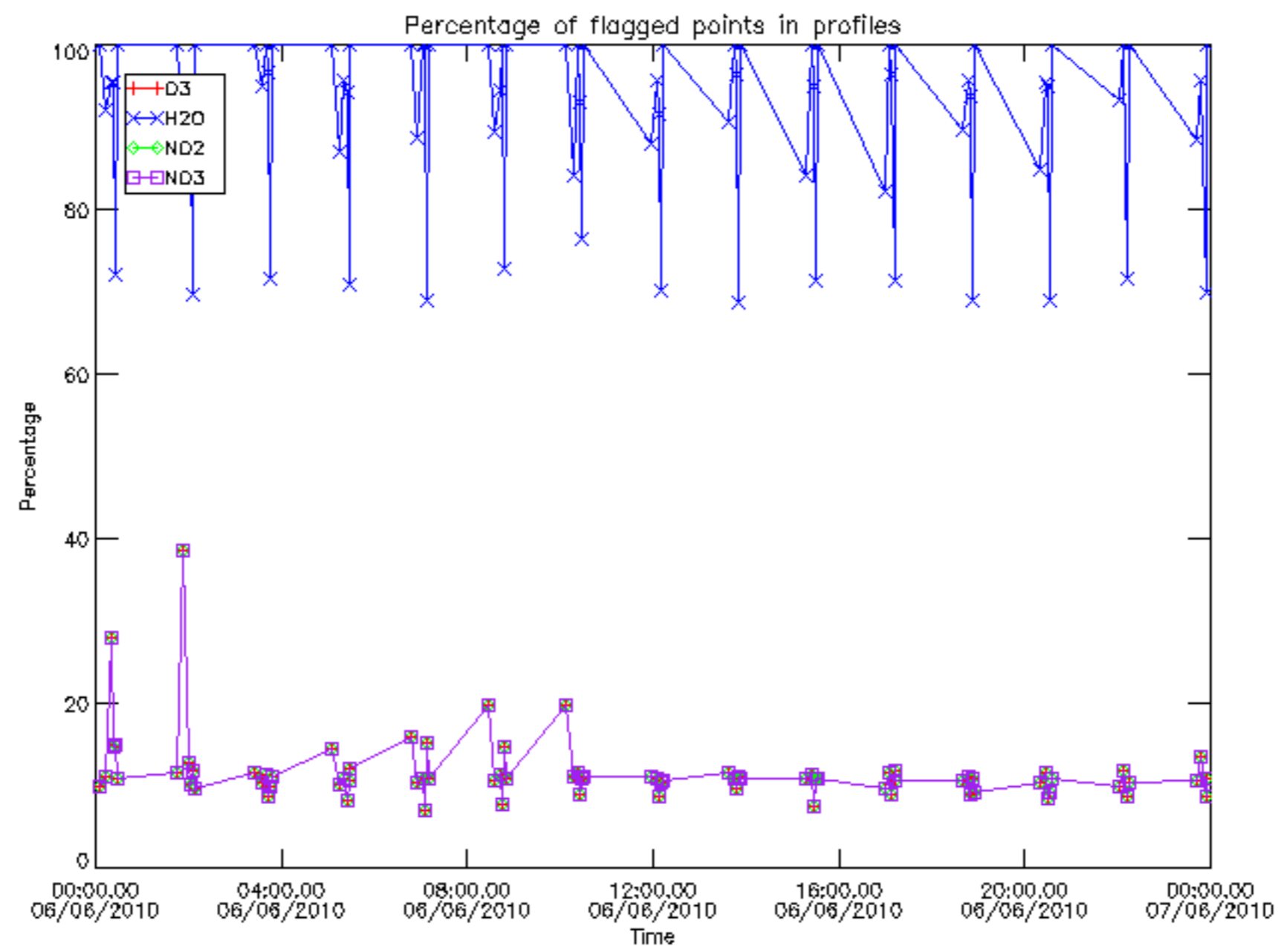


## 6. Auxiliary Data Files used for the production reported in section 2

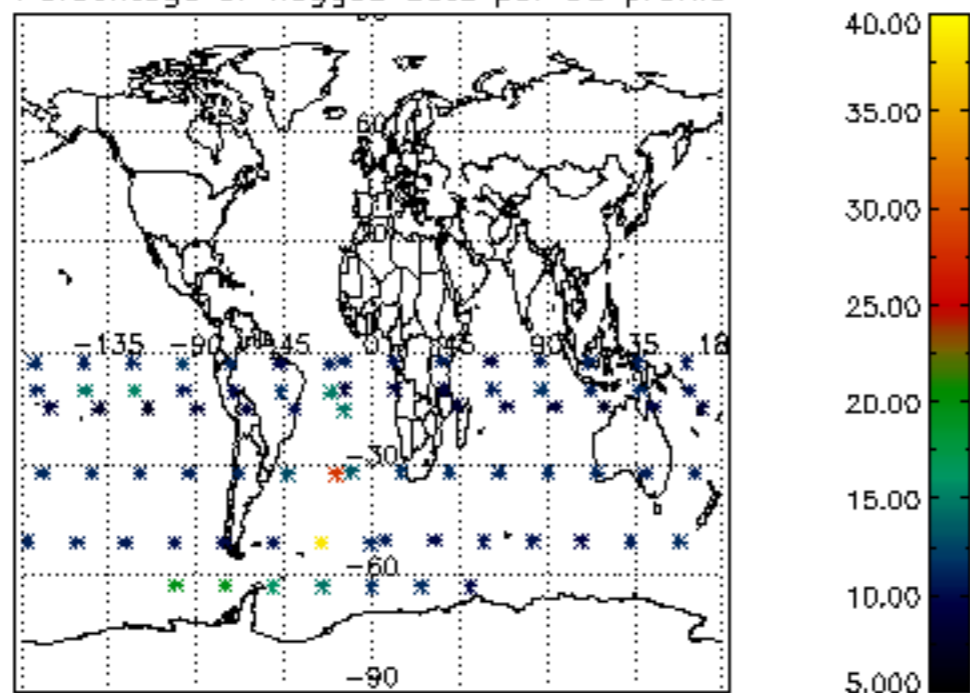
The number reported in the third column indicates since which file (see list in section 2) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	06-JUN-2010 00:03:57
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	06-JUN-2010 00:03:57
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	06-JUN-2010 00:03:57

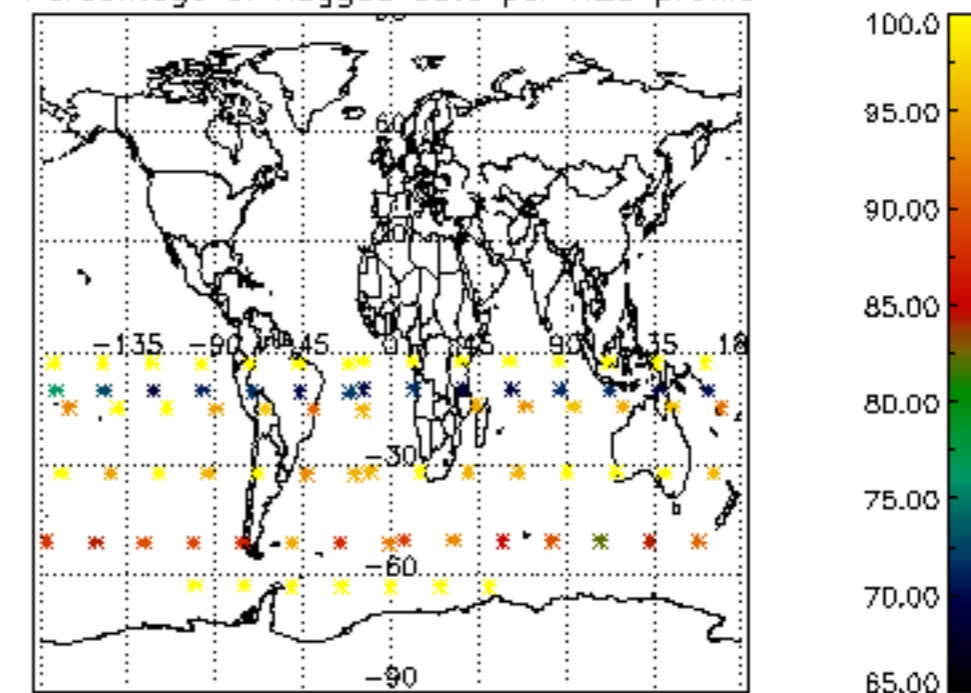




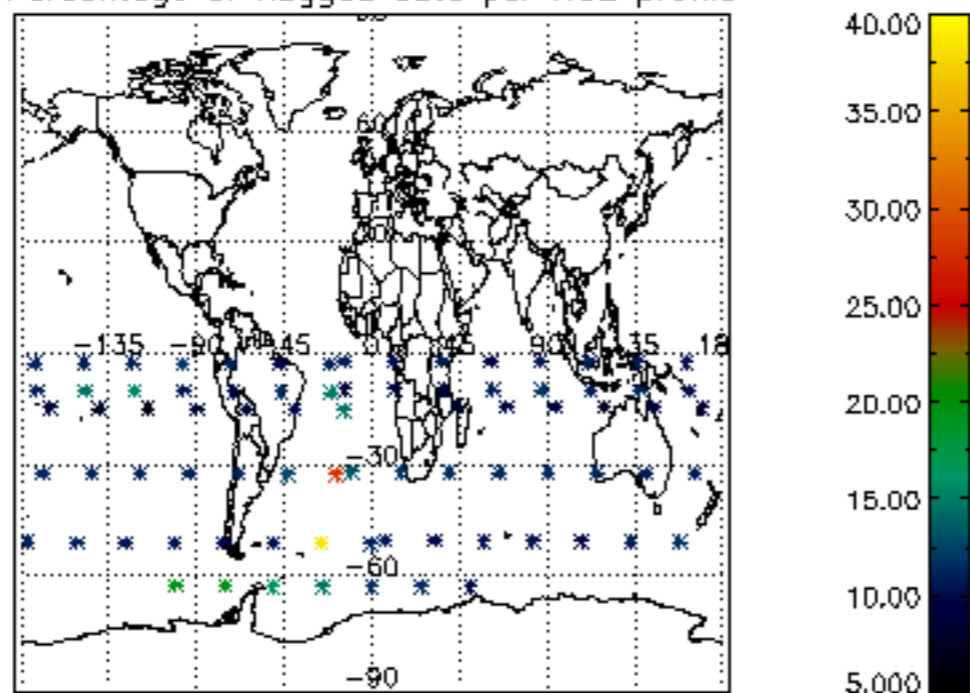
Percentage of flagged data per D3 profile



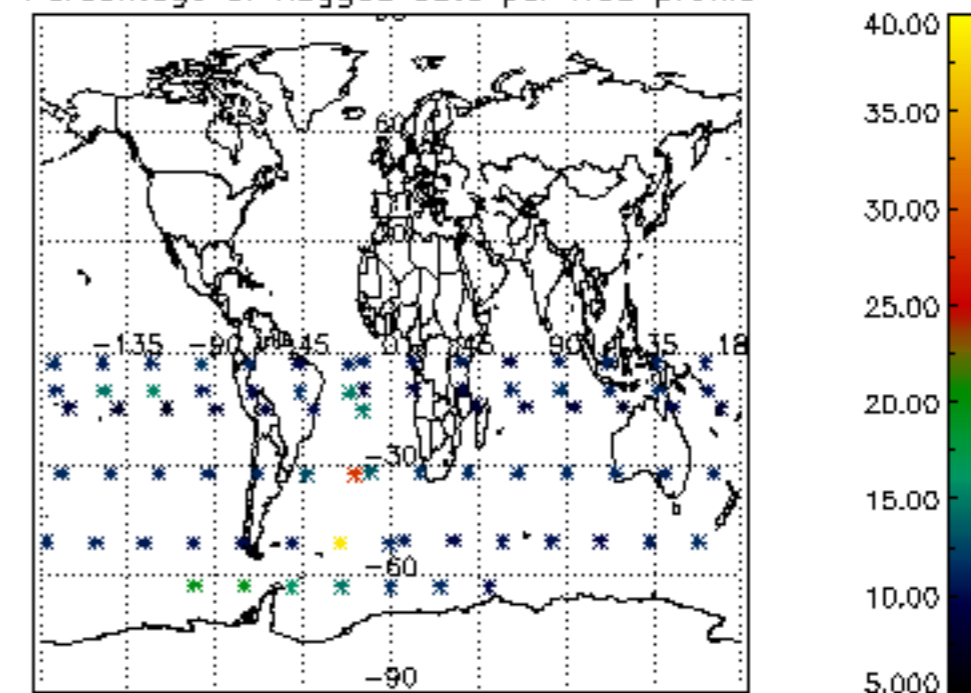
Percentage of flagged data per H2O profile

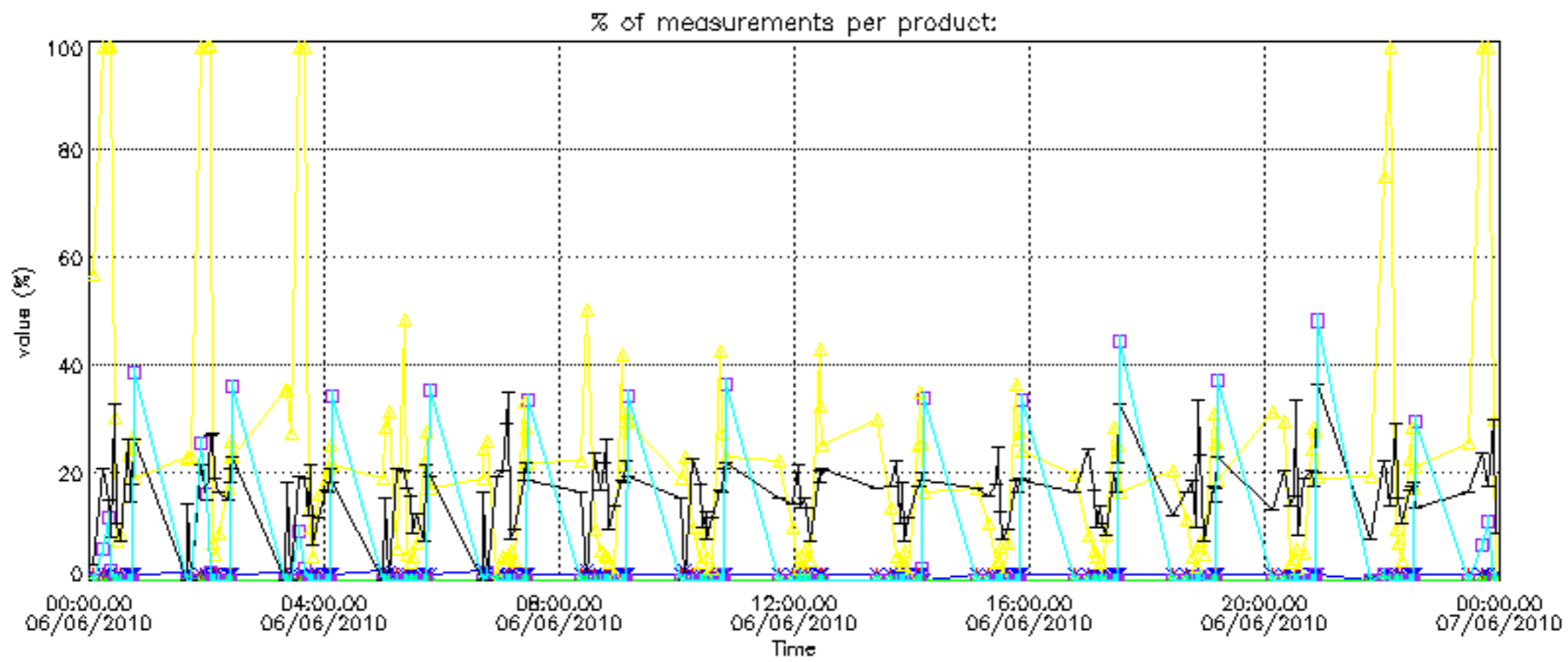


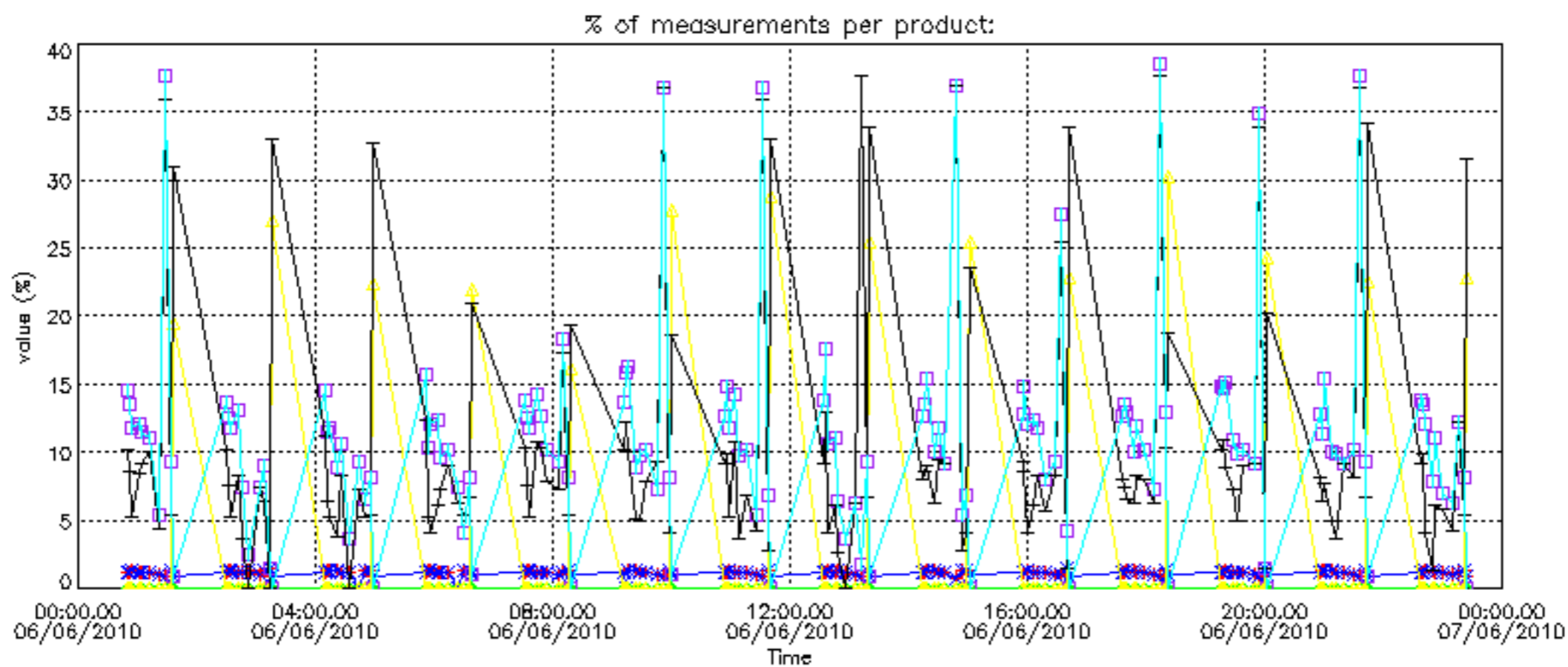
Percentage of flagged data per NO2 profile



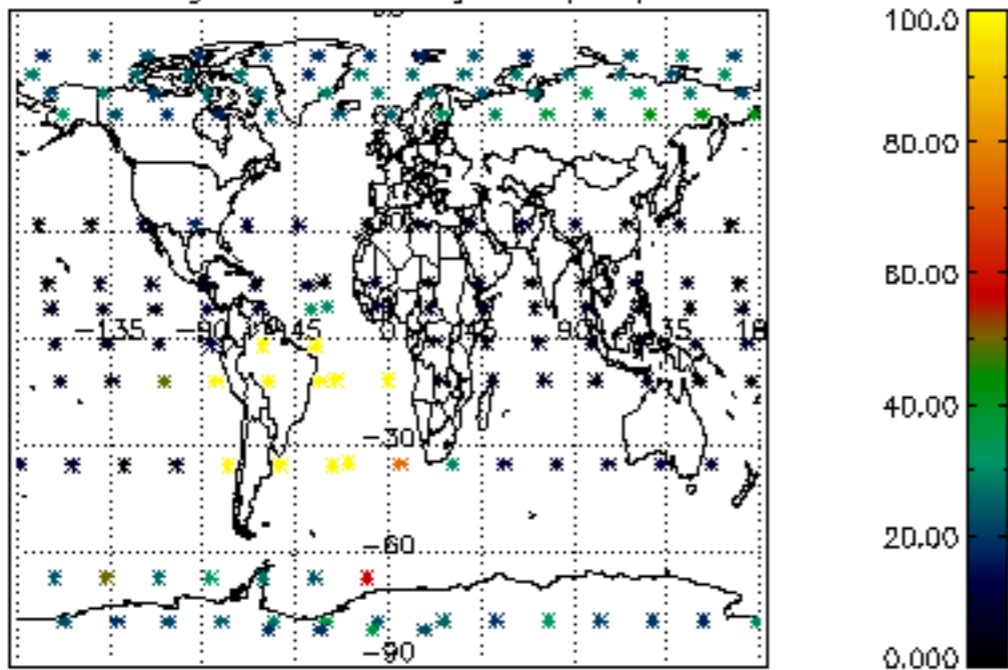
Percentage of flagged data per NO3 profile



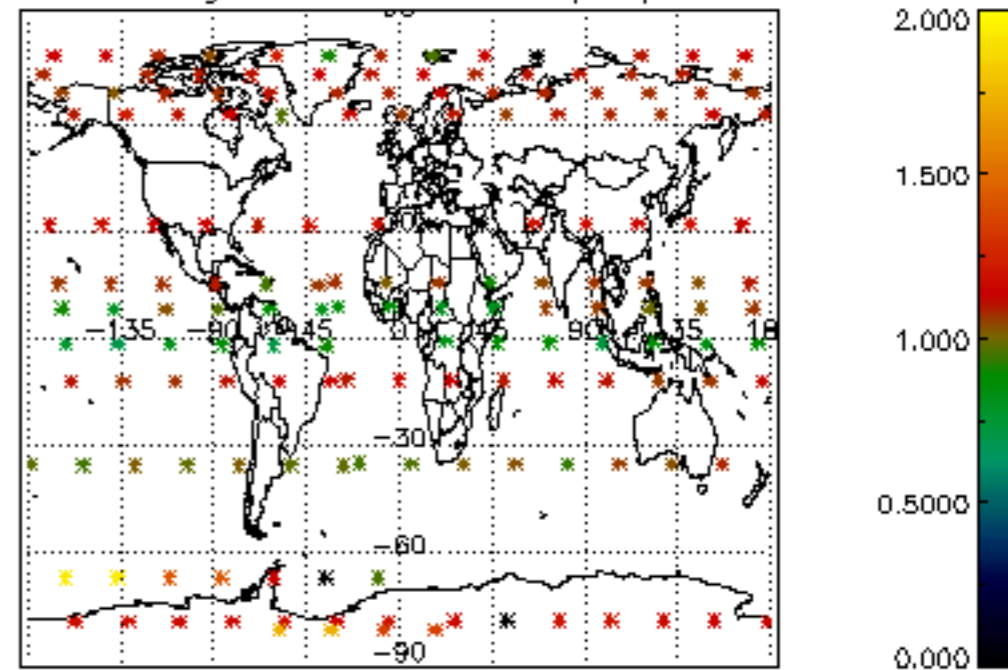




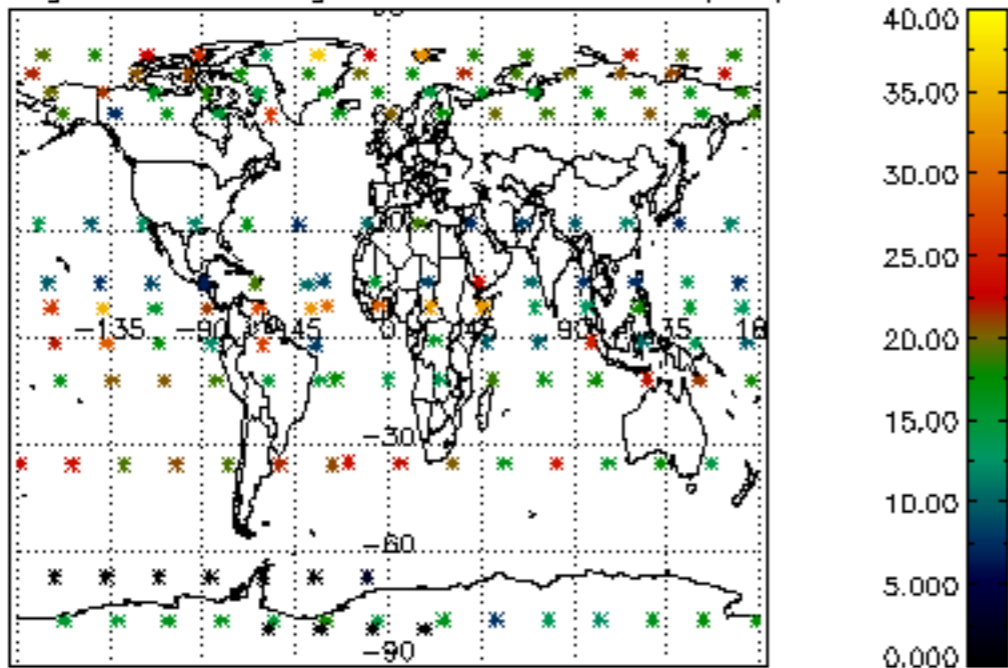
Percentage of cosmic ray hits per profile



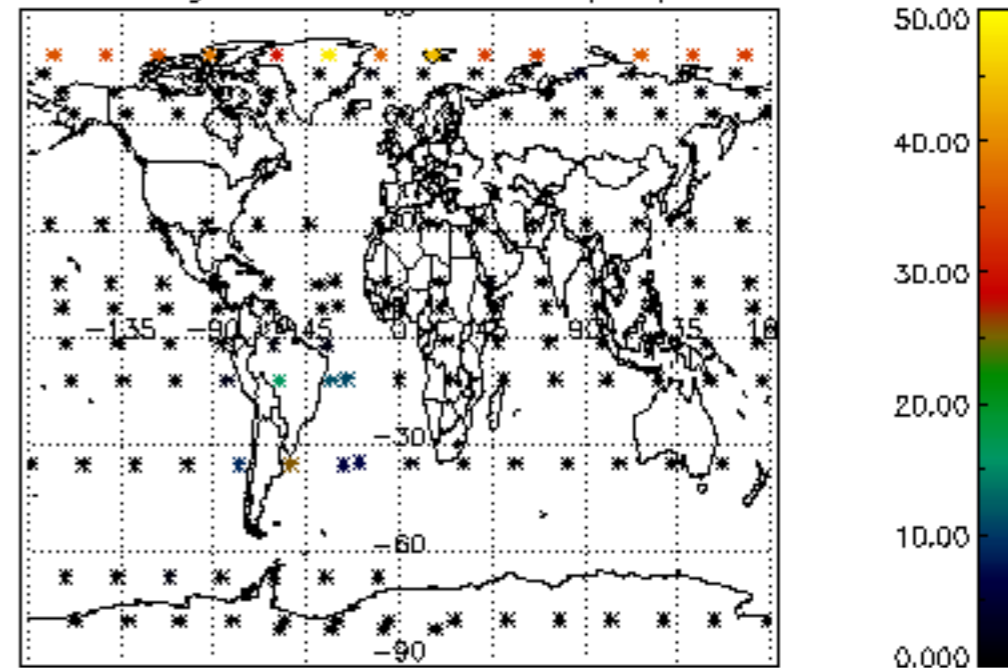
Percentage of datation errors per profile



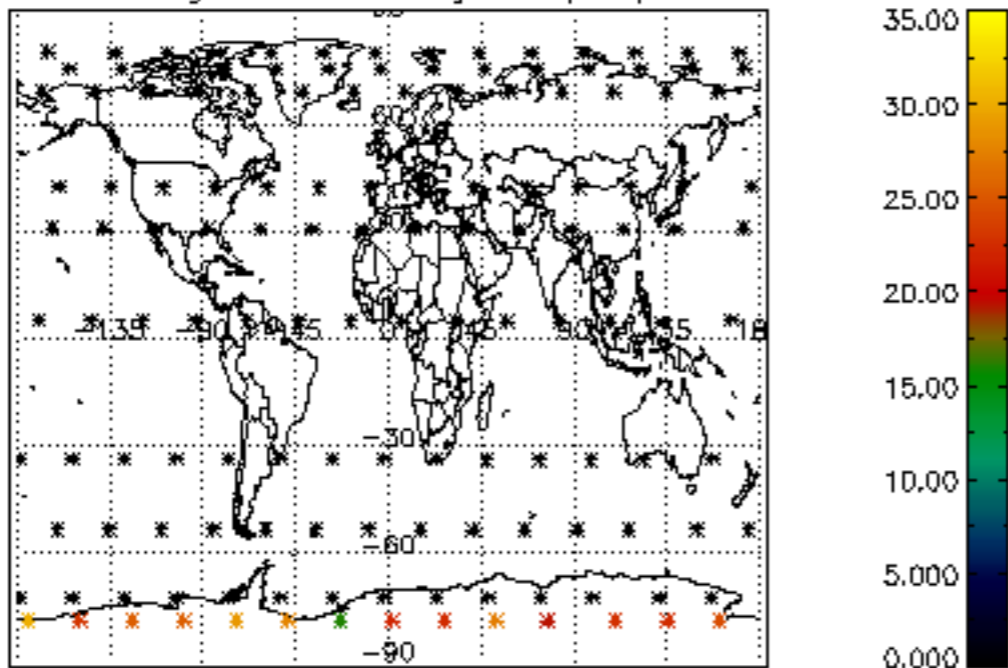
Percentage of star falling outside central band per profile



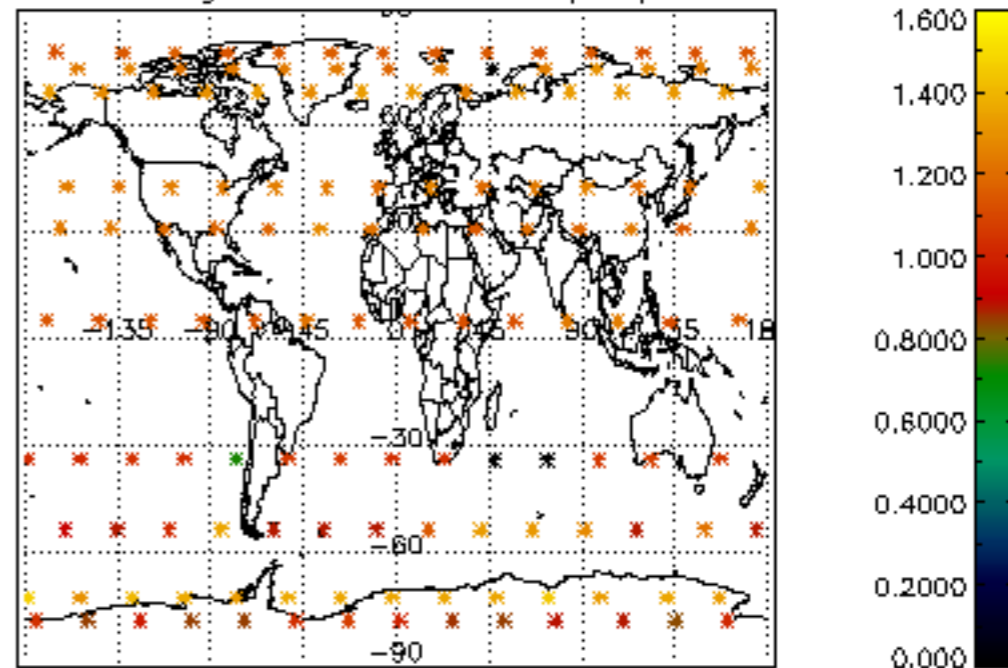
Percentage of saturation errors per profile



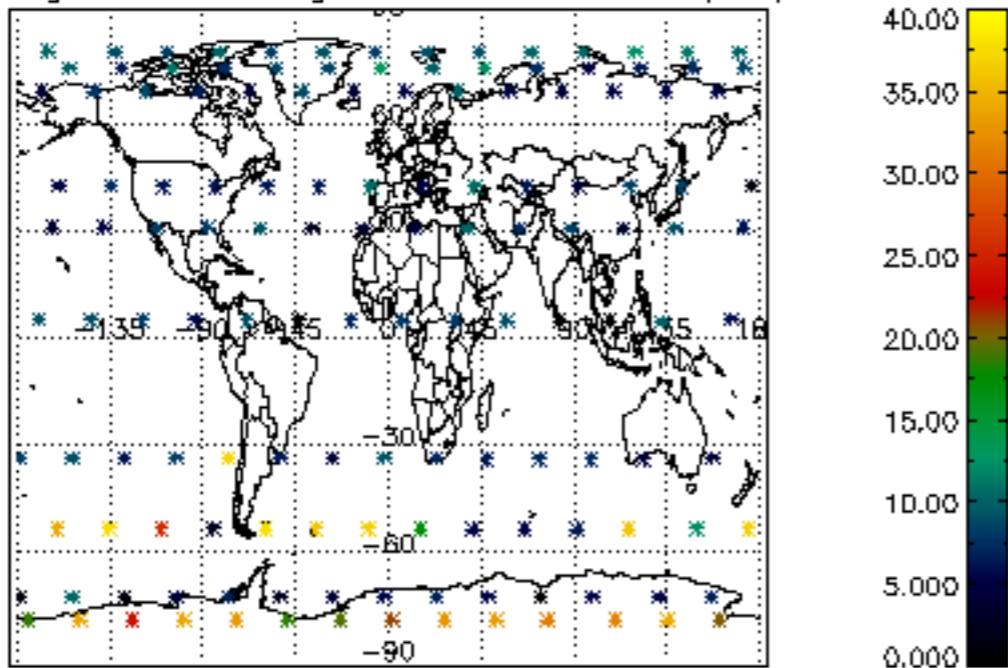
Percentage of cosmic ray hits per profile



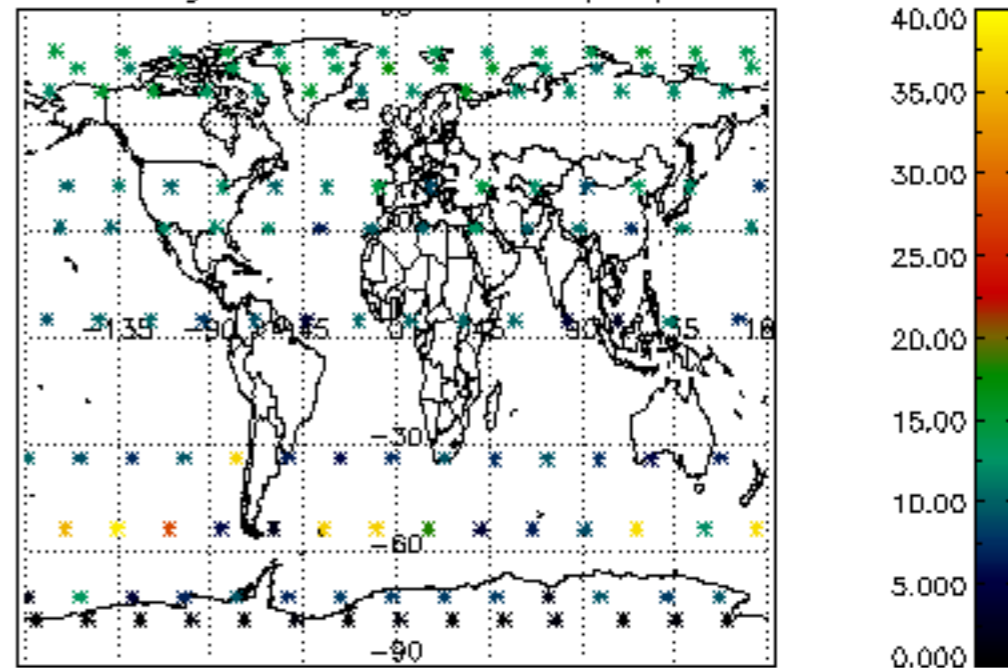
Percentage of datation errors per profile

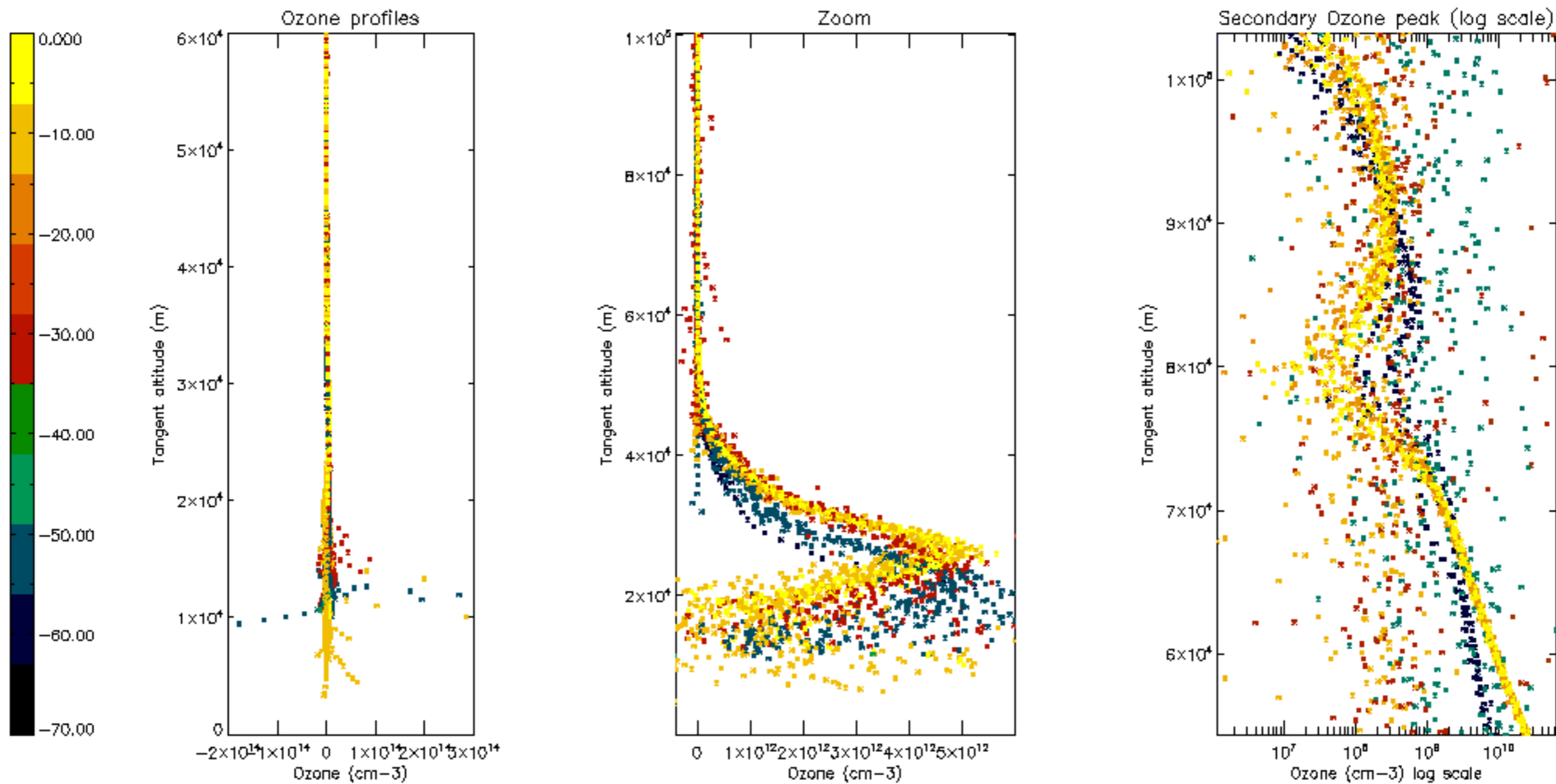


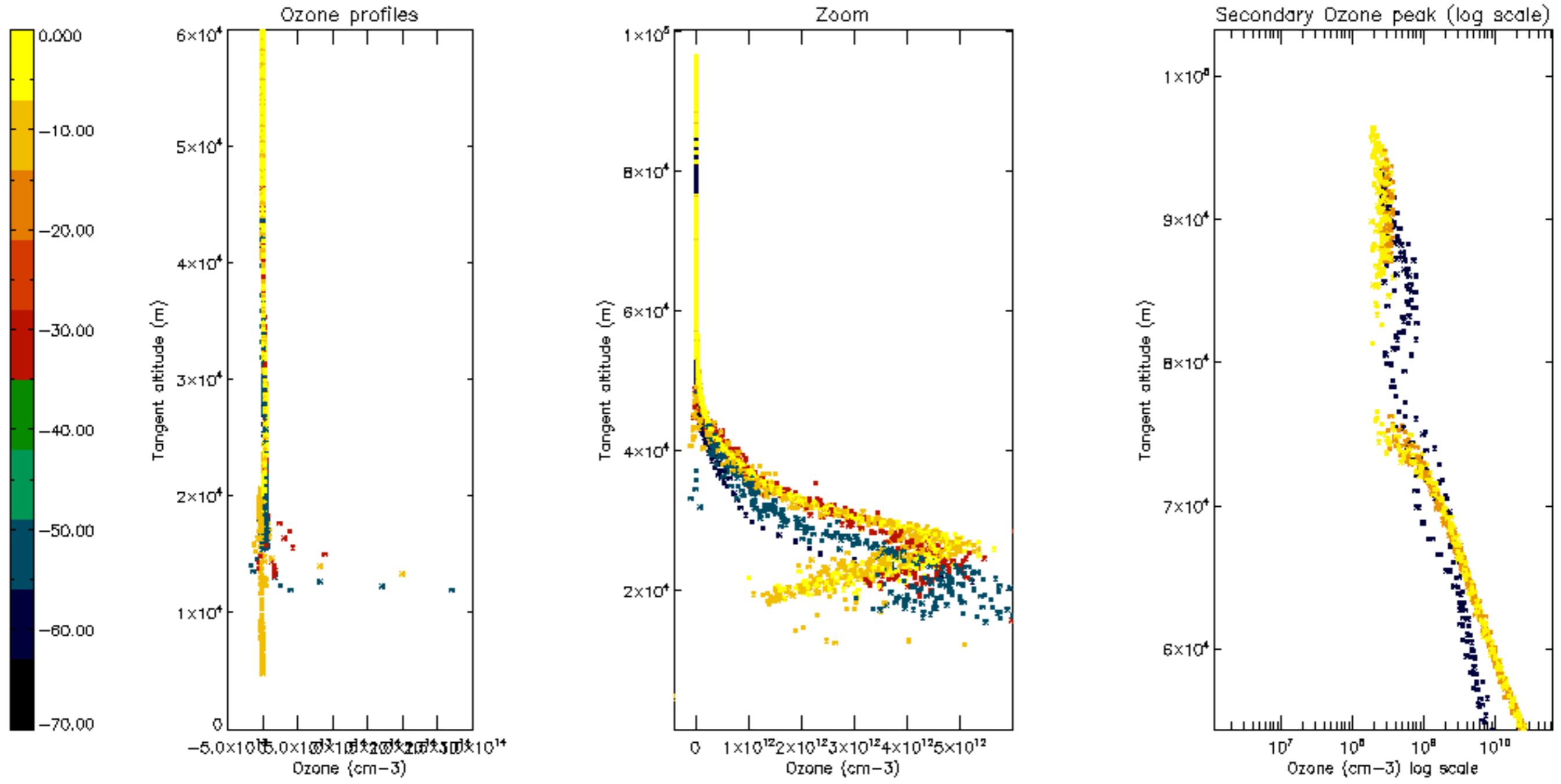
Percentage of star falling outside central band per profile



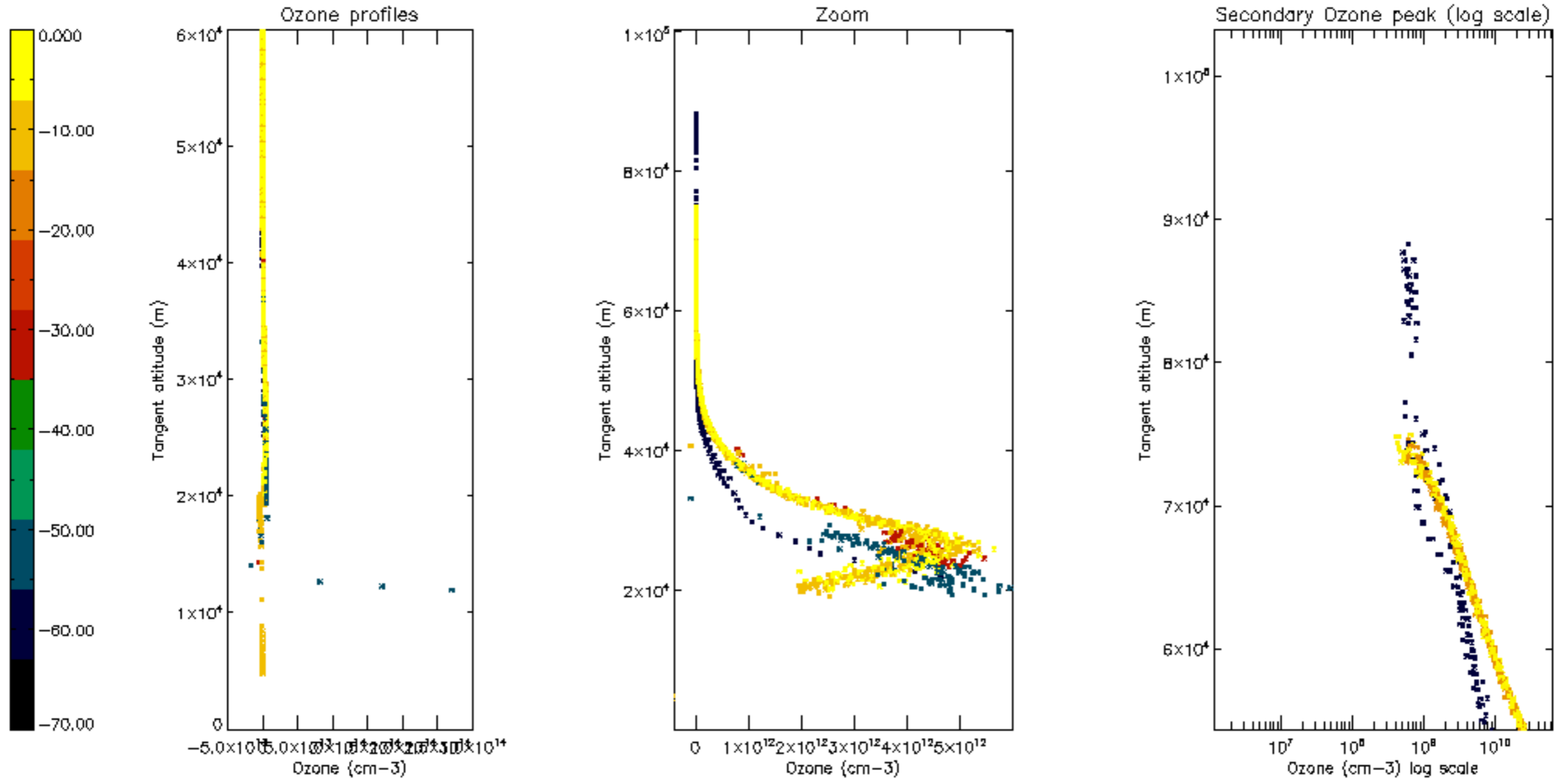
Percentage of saturation errors per profile

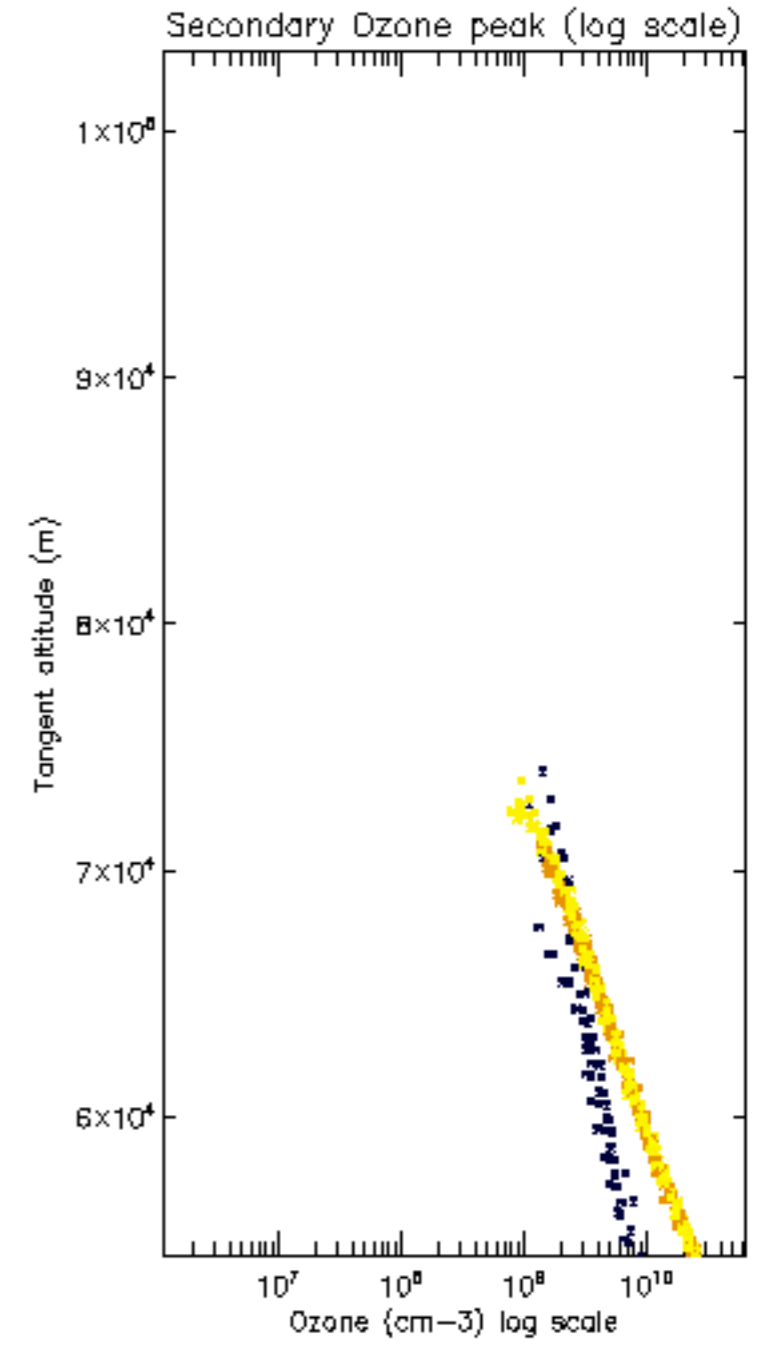
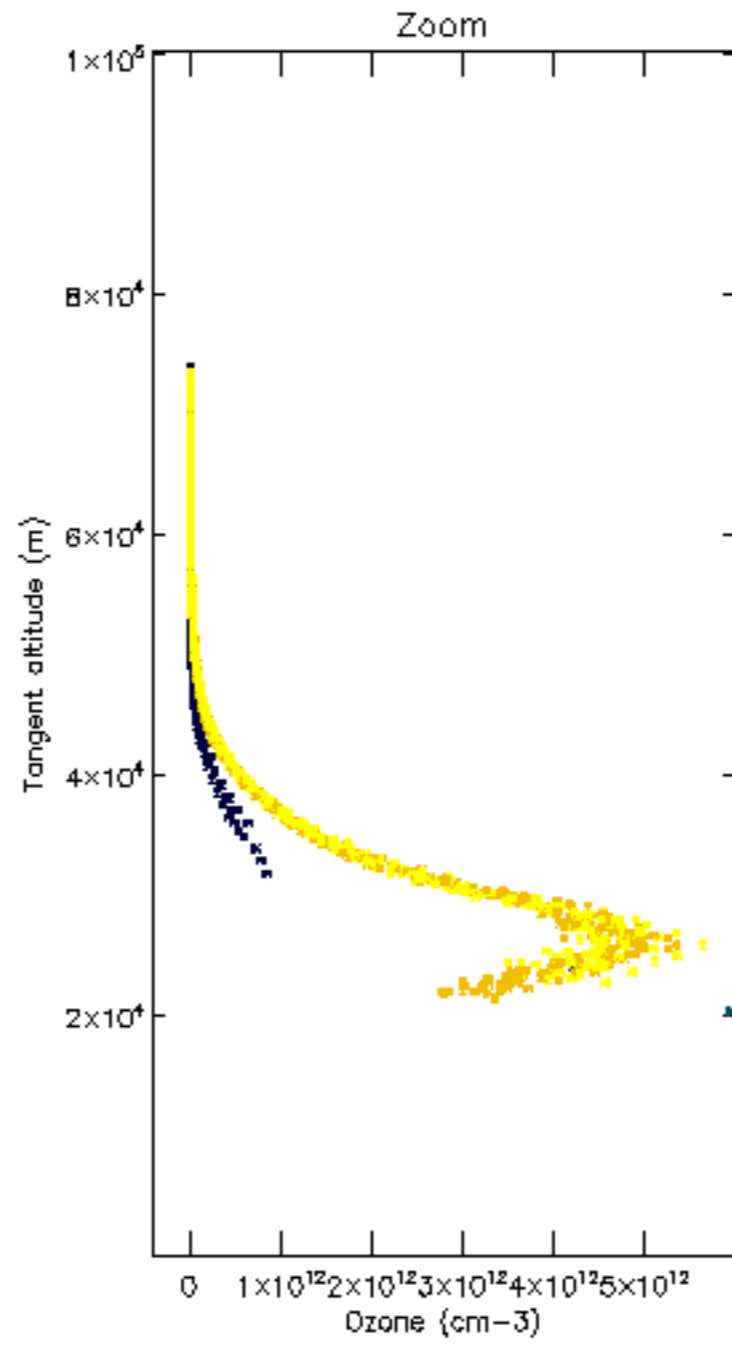
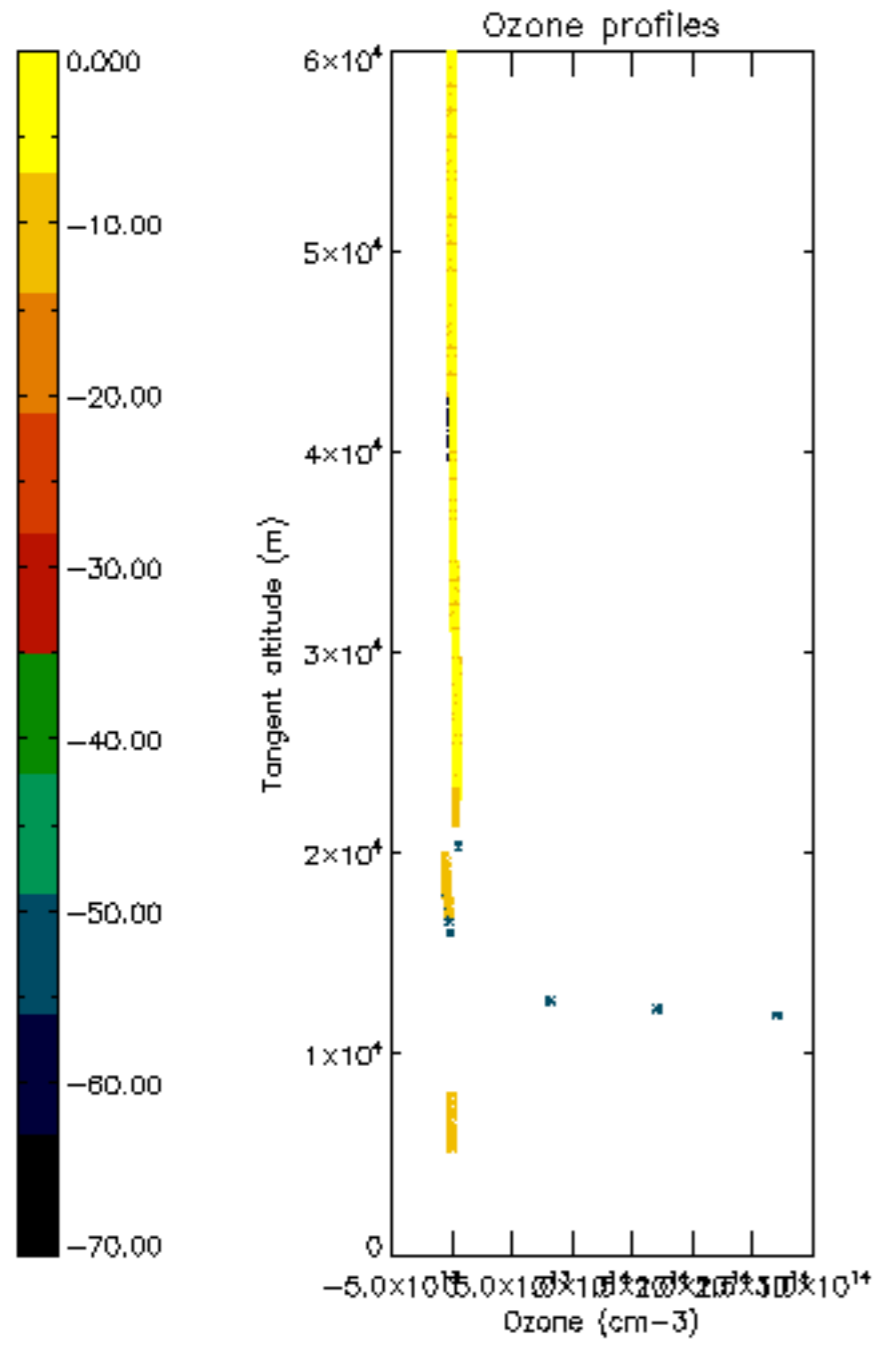


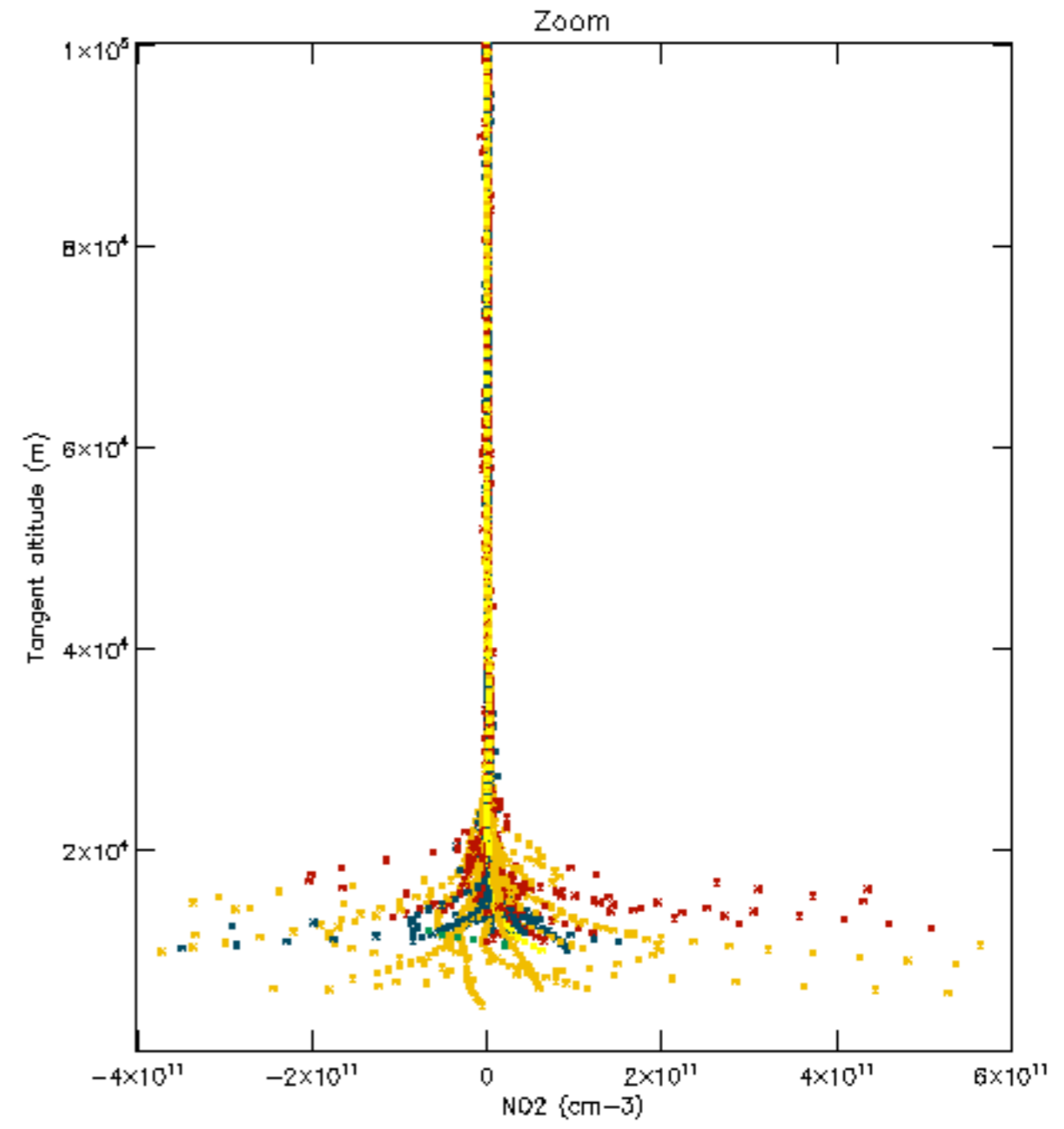
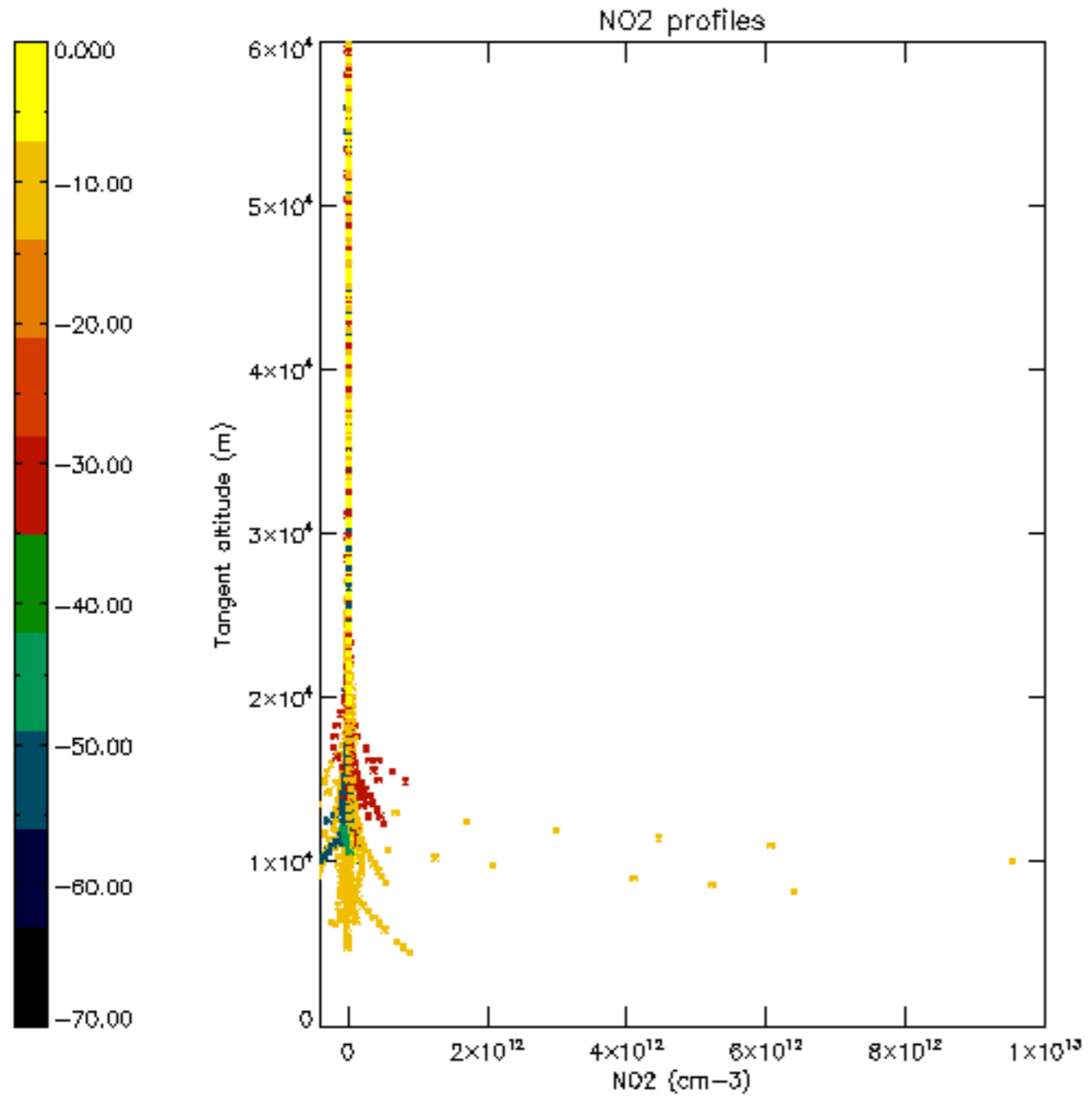


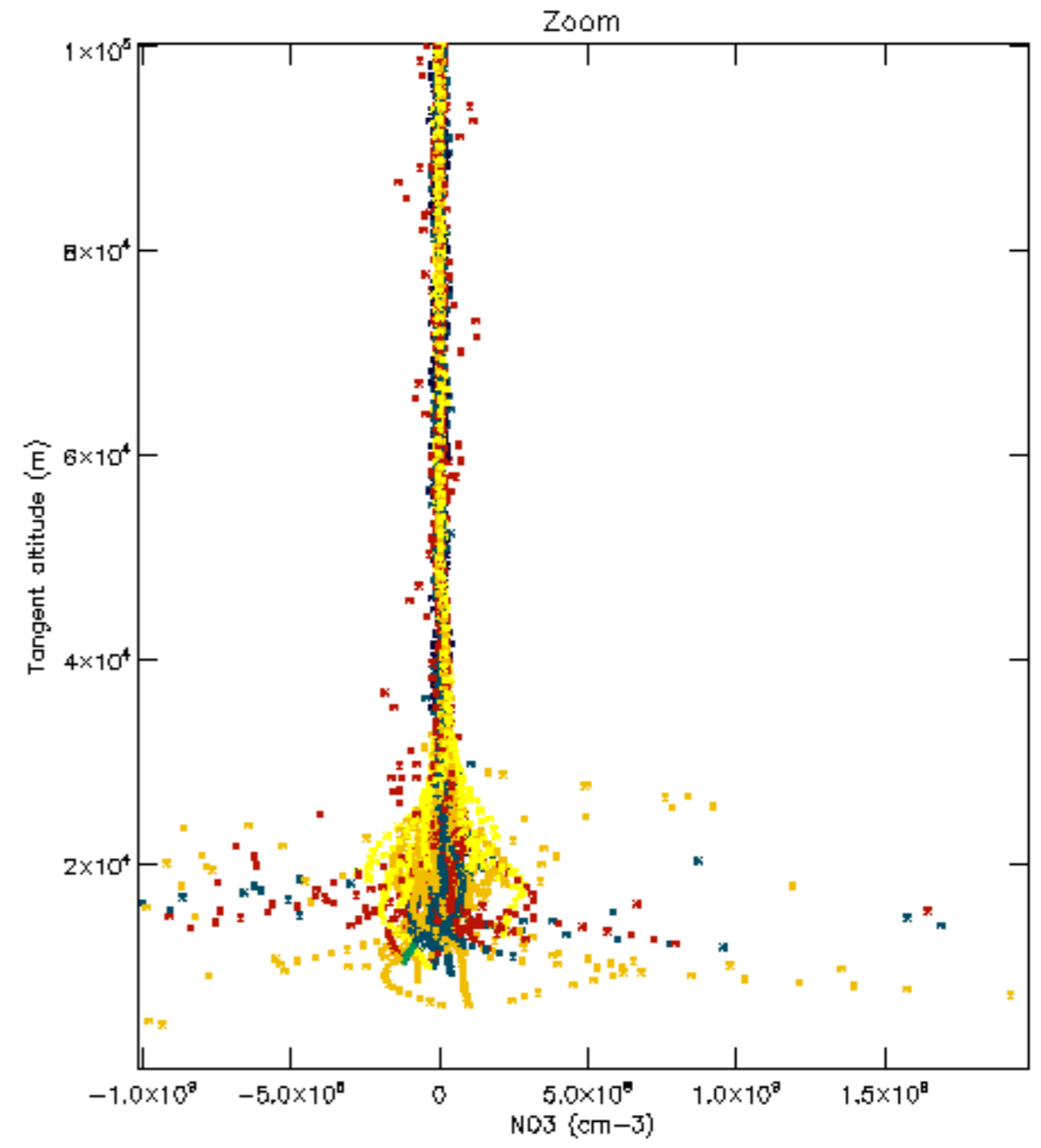
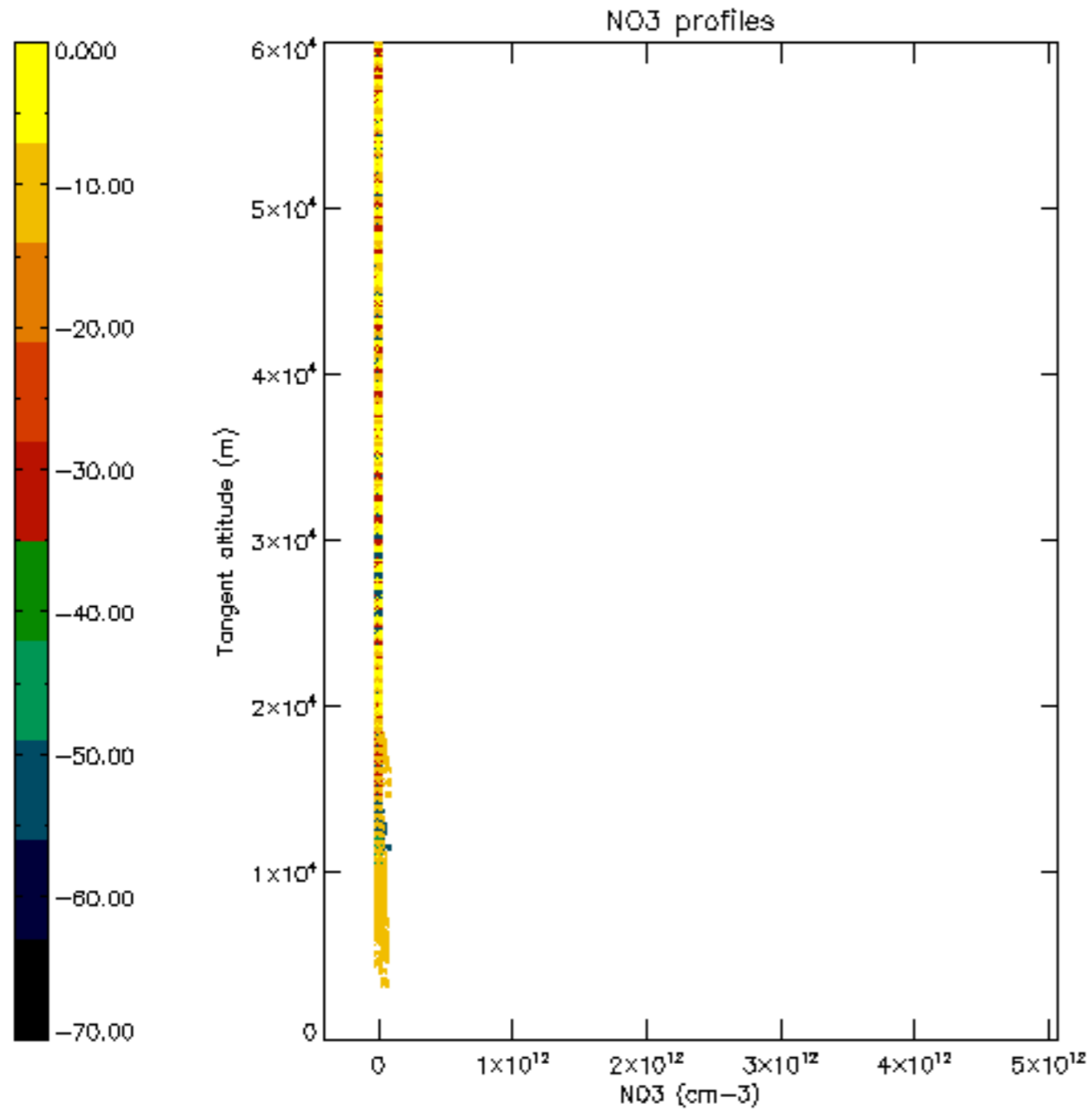


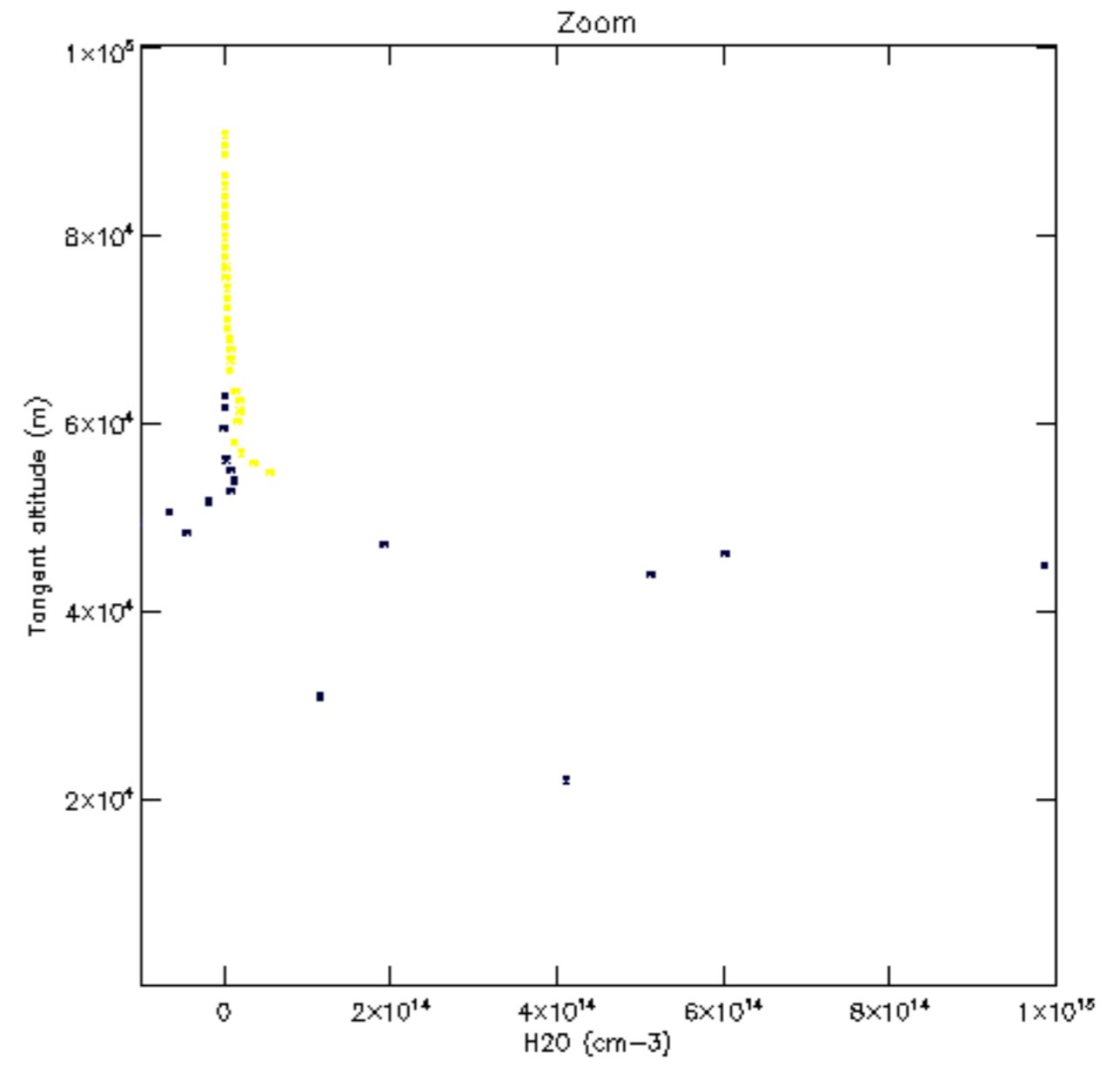
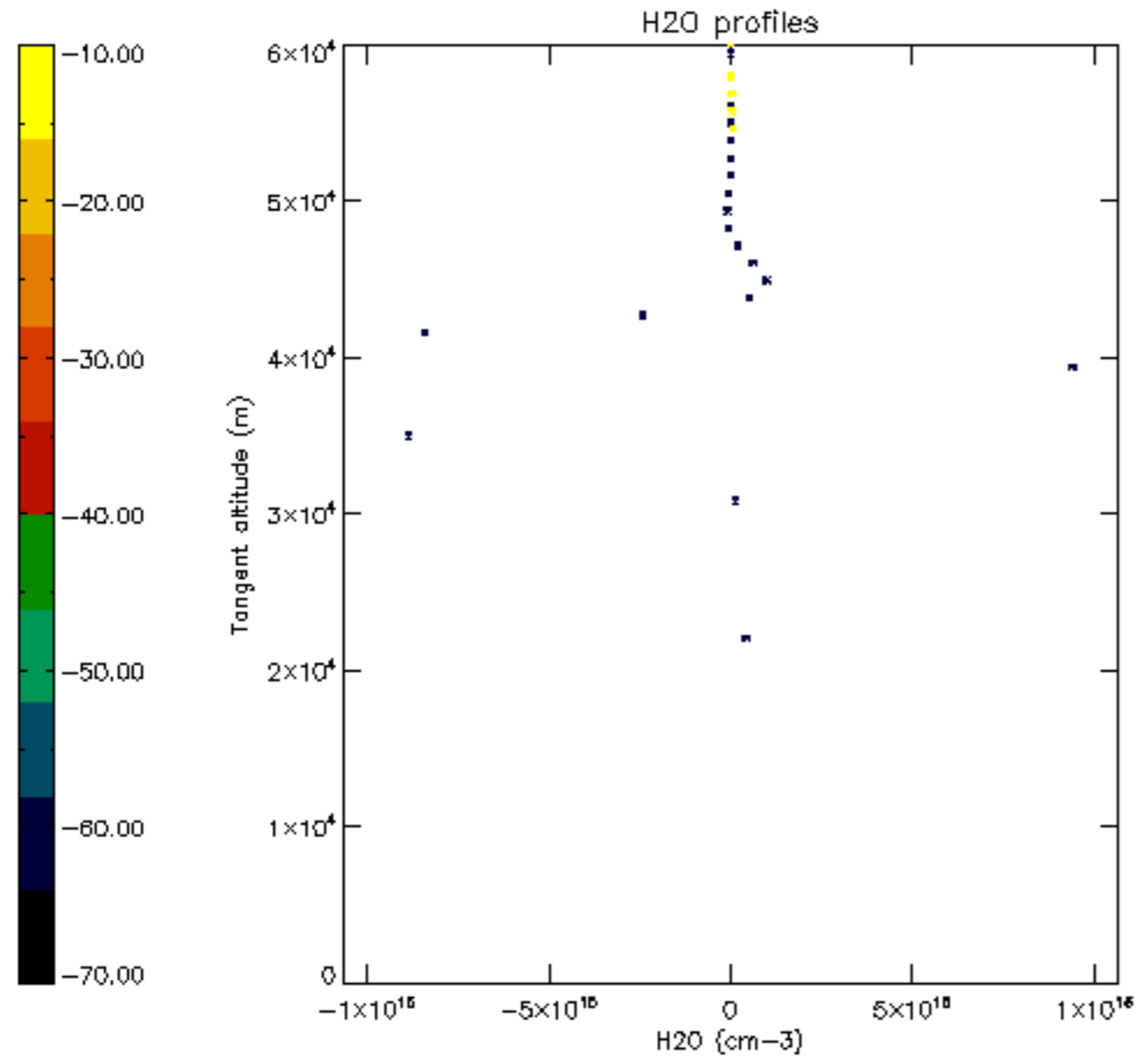


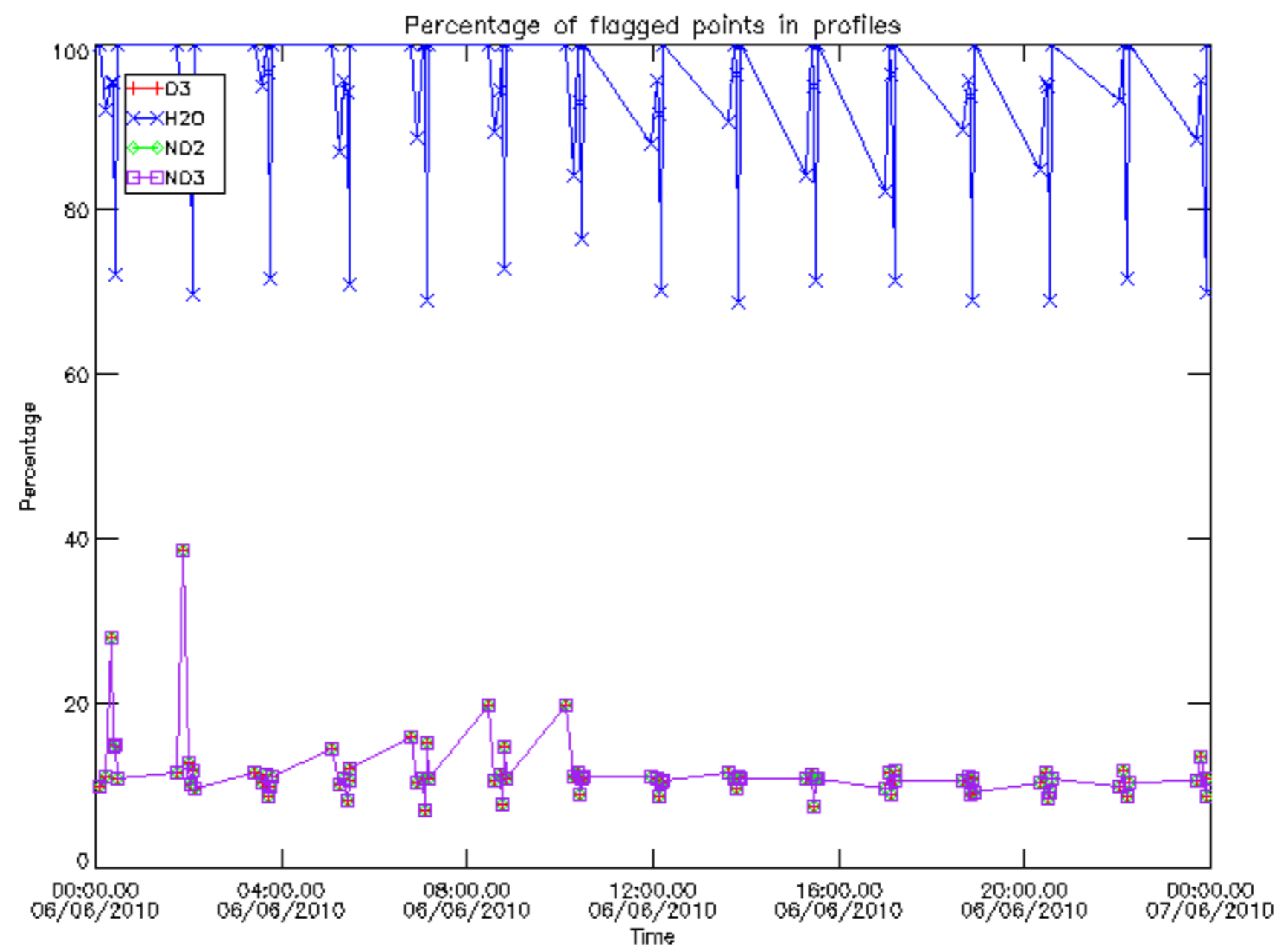




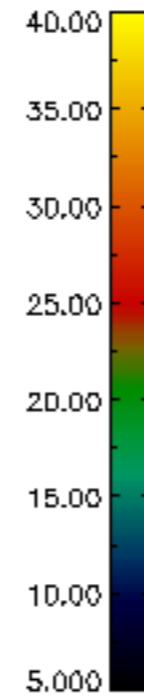
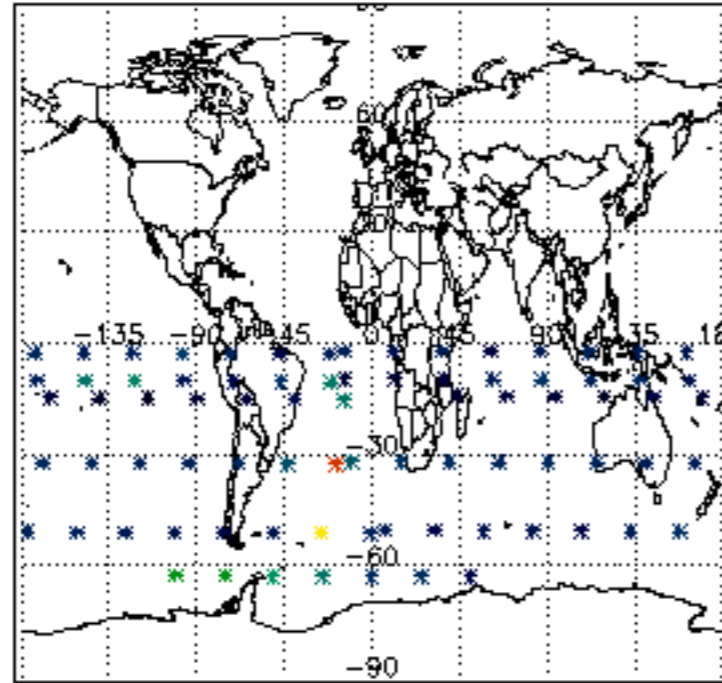




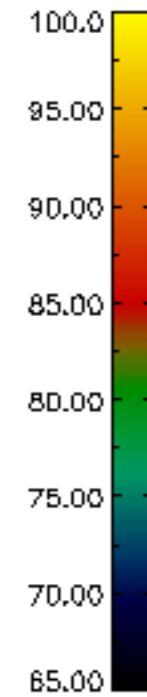
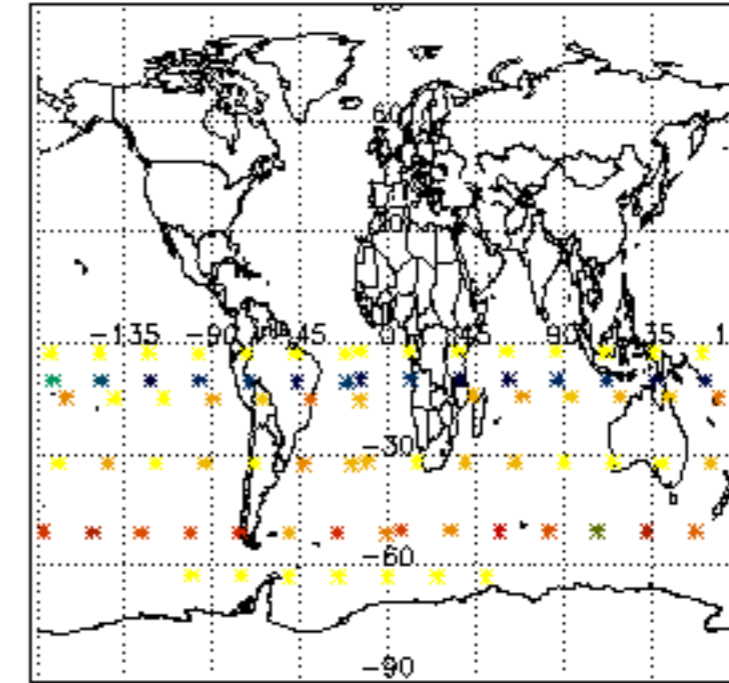




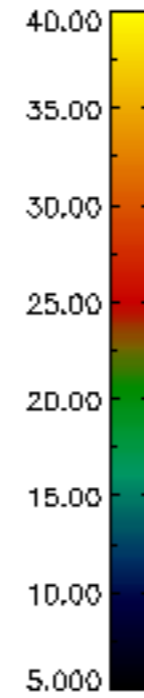
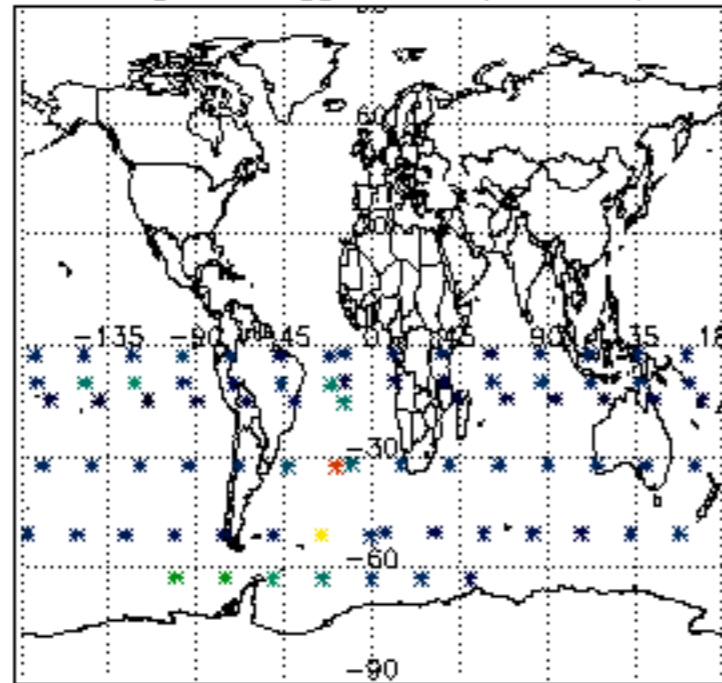
Percentage of flagged data per D3 profile



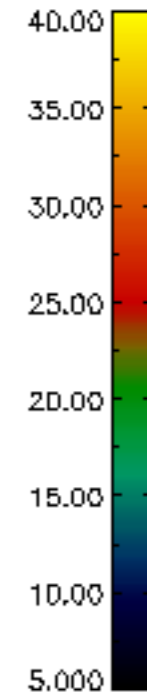
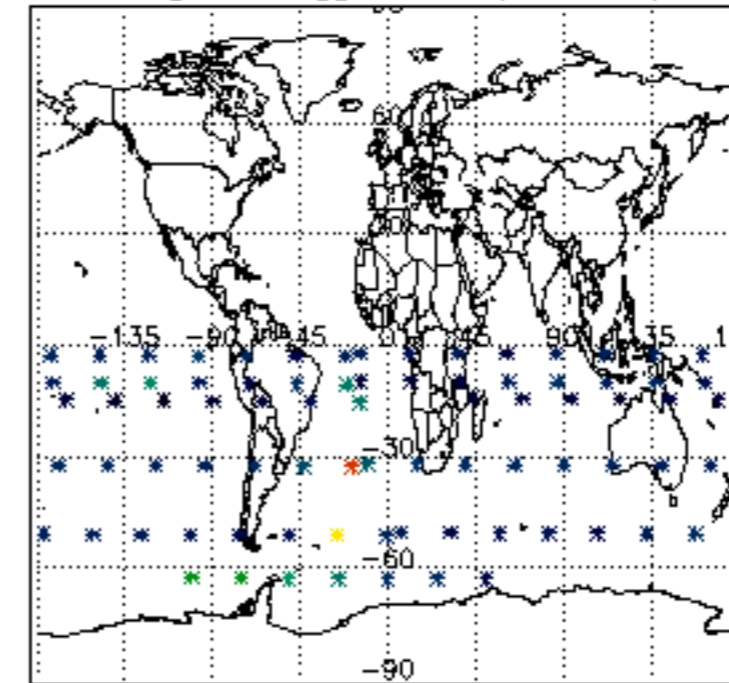
Percentage of flagged data per H2O profile

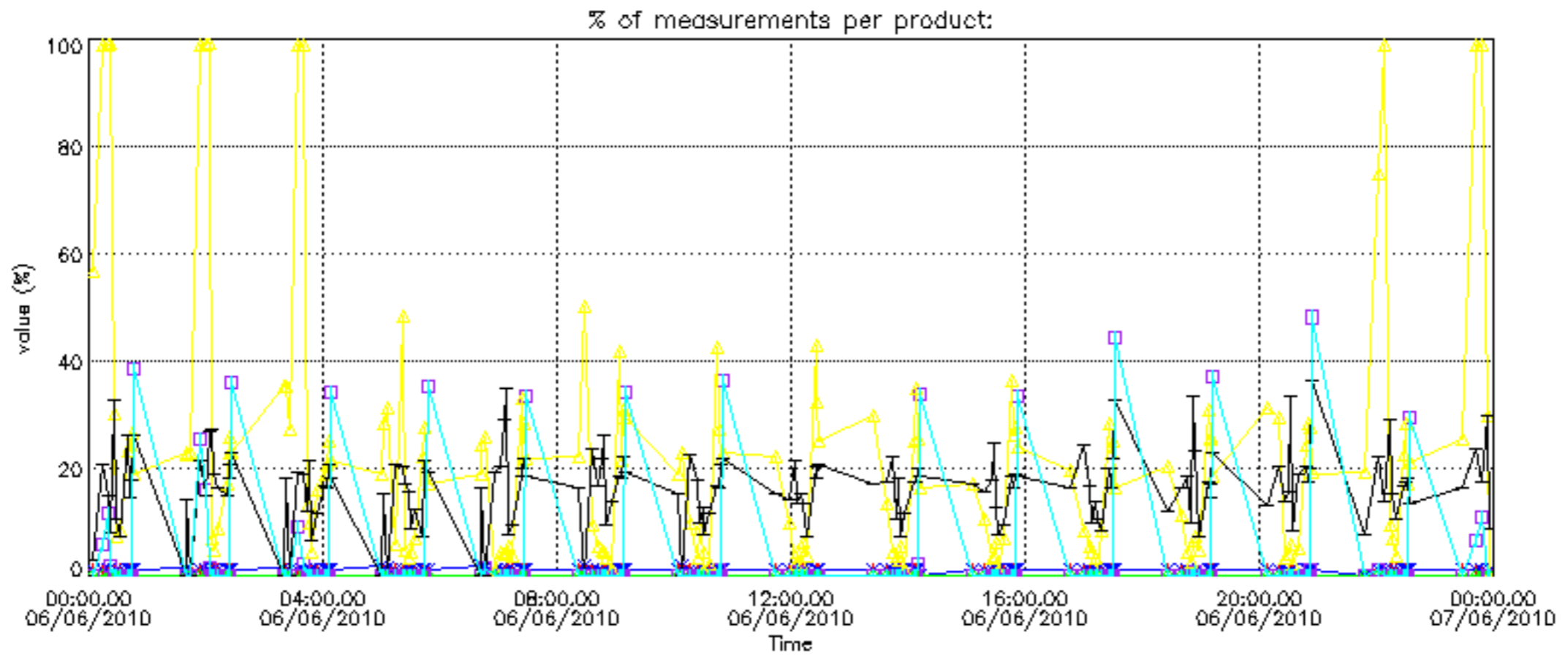


Percentage of flagged data per NO2 profile

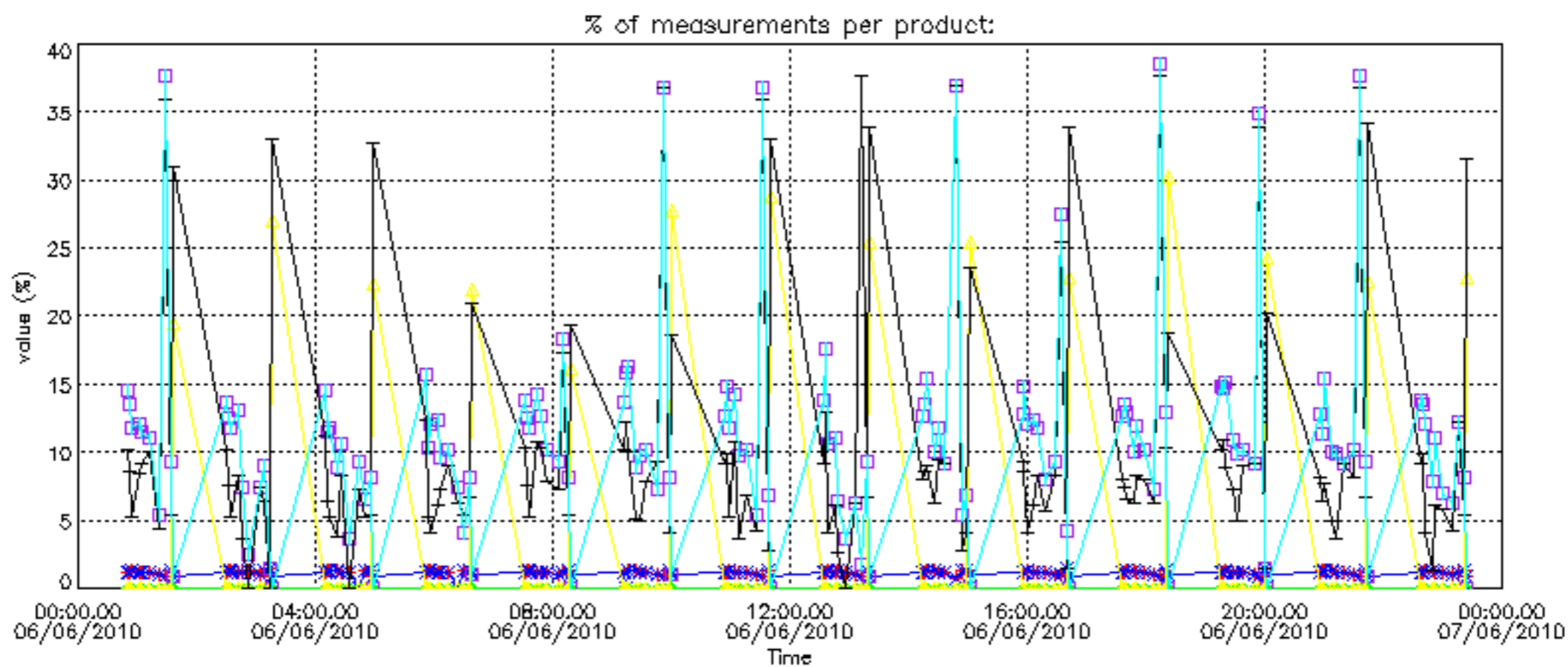


Percentage of flagged data per NO3 profile

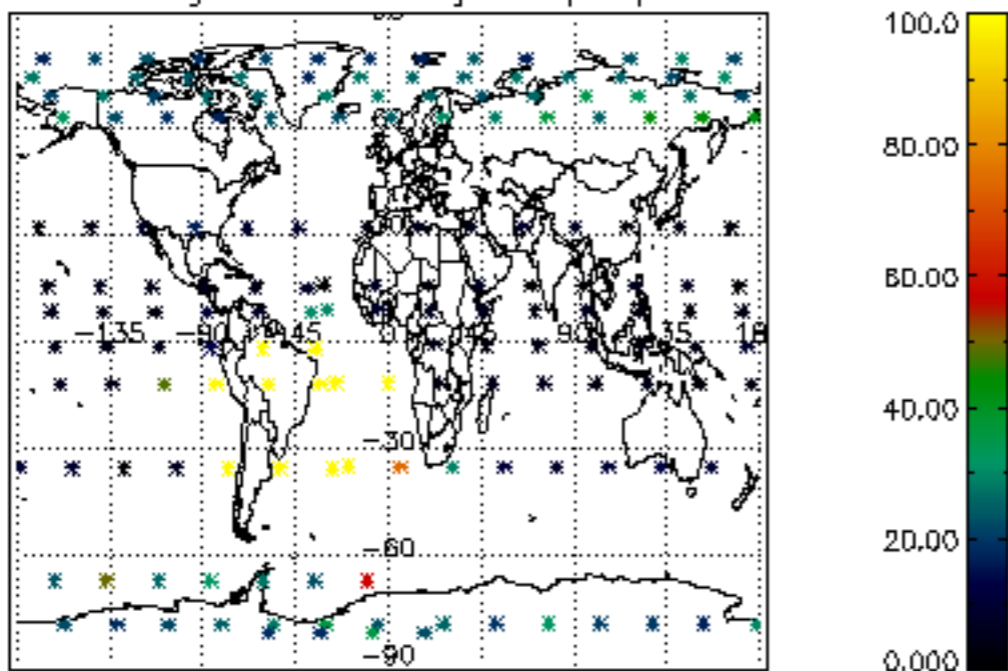




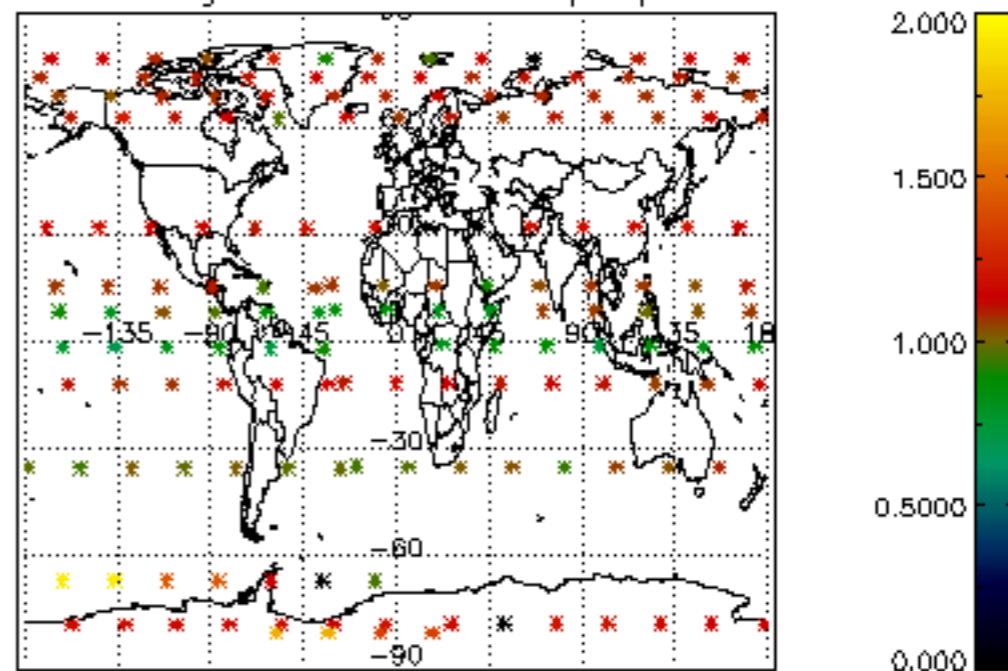




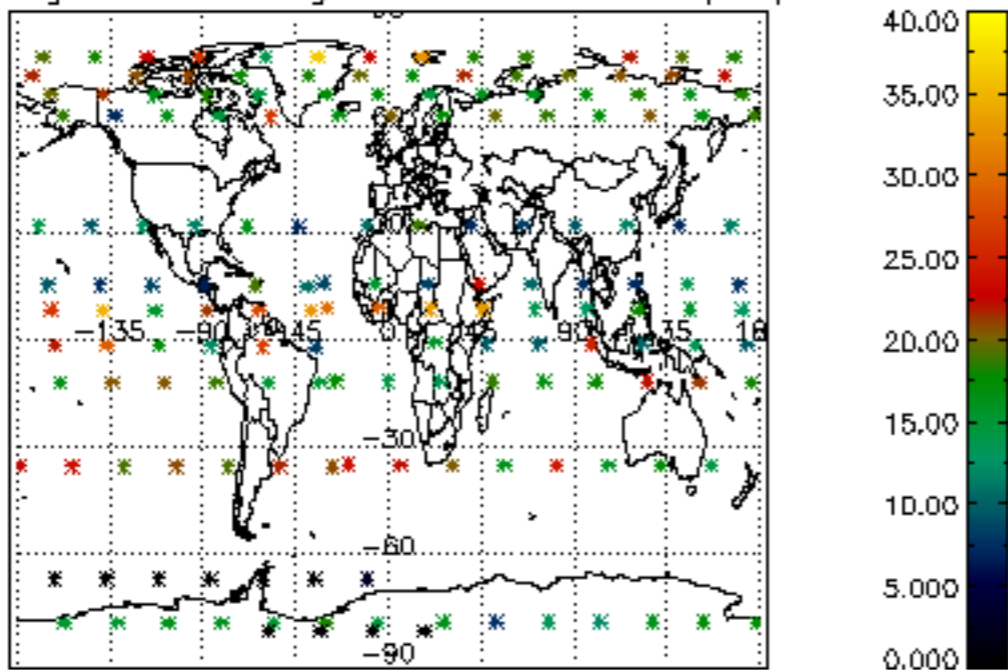
Percentage of cosmic ray hits per profile



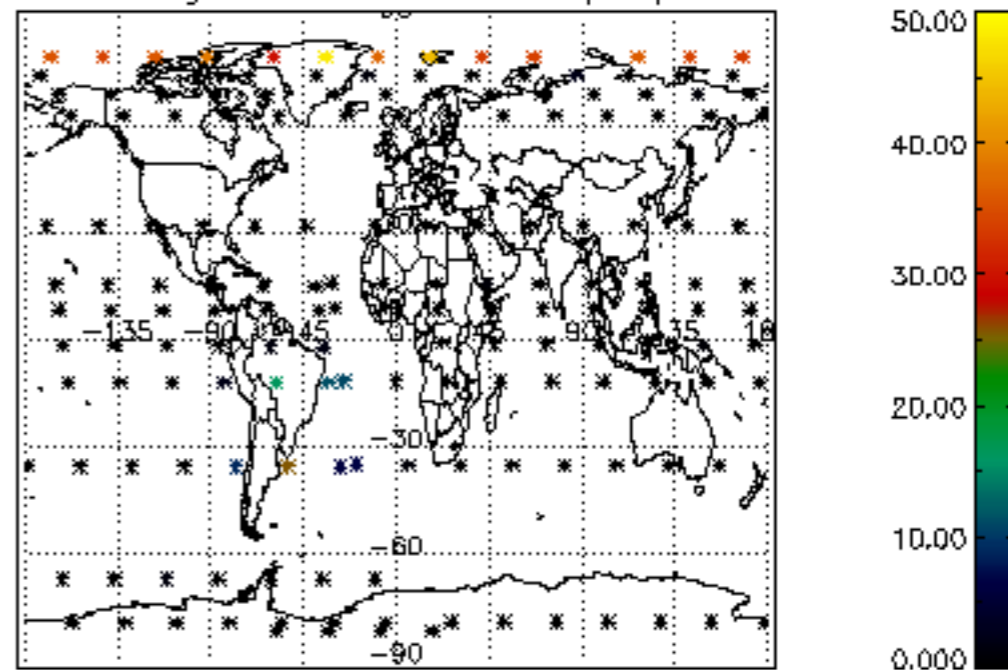
Percentage of datation errors per profile



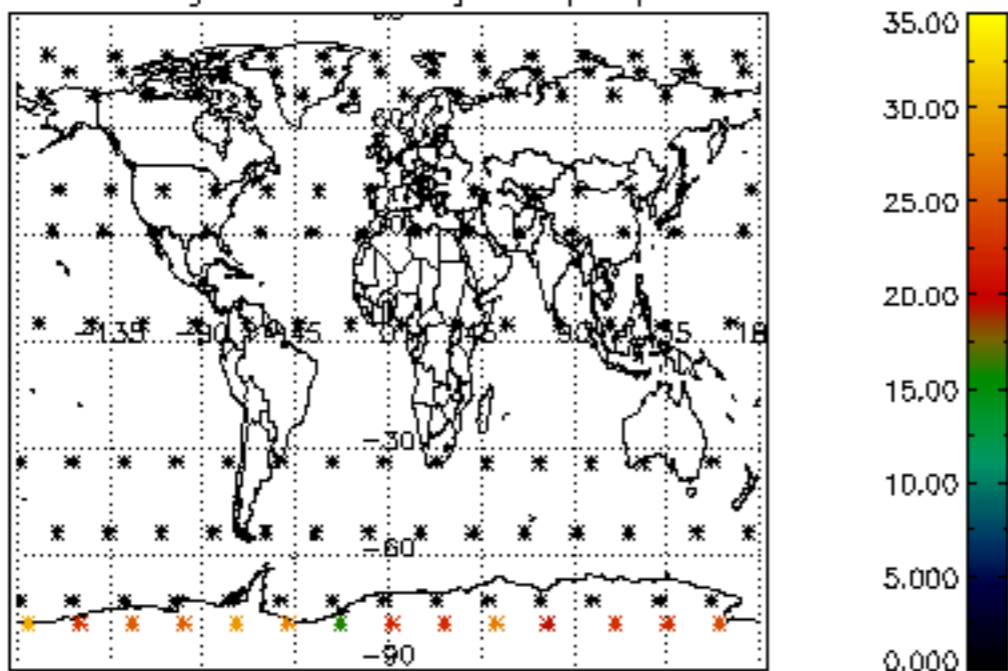
Percentage of star falling outside central band per profile



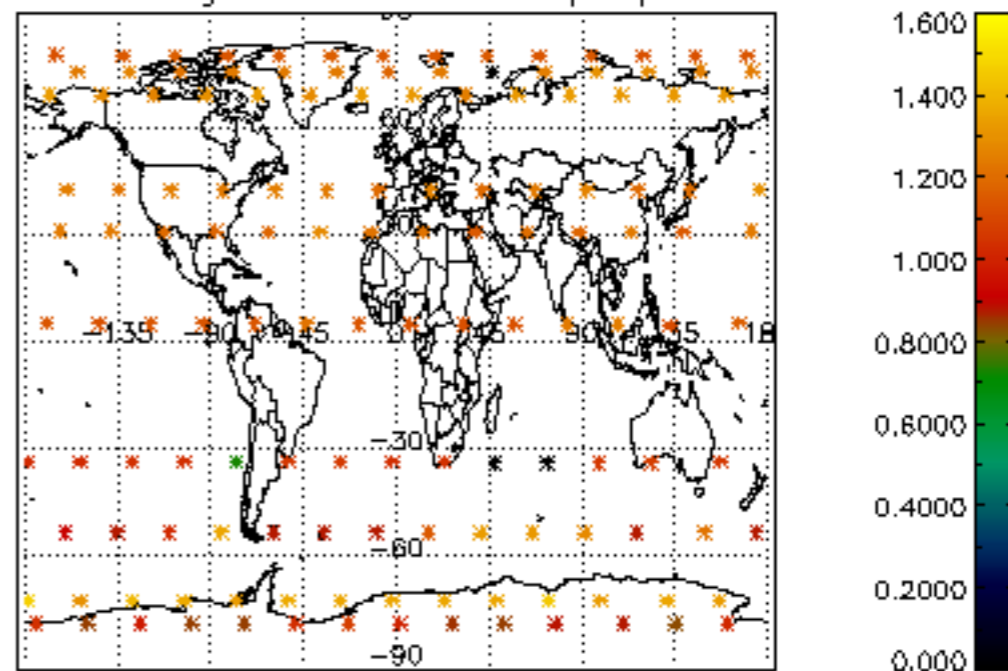
Percentage of saturation errors per profile



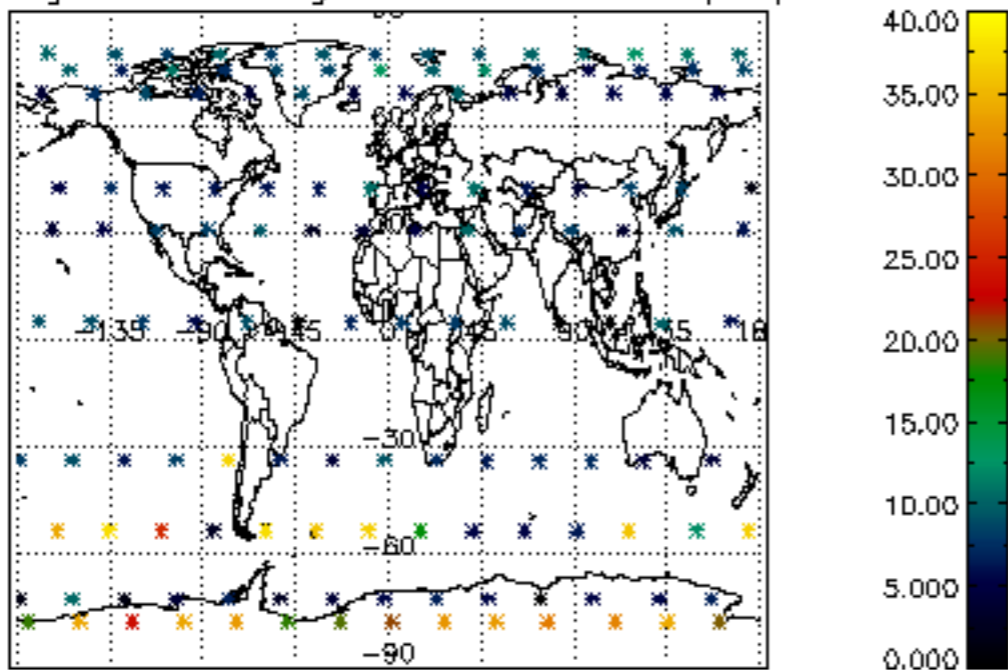
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

