

GOMOS Level 2 Daily Report

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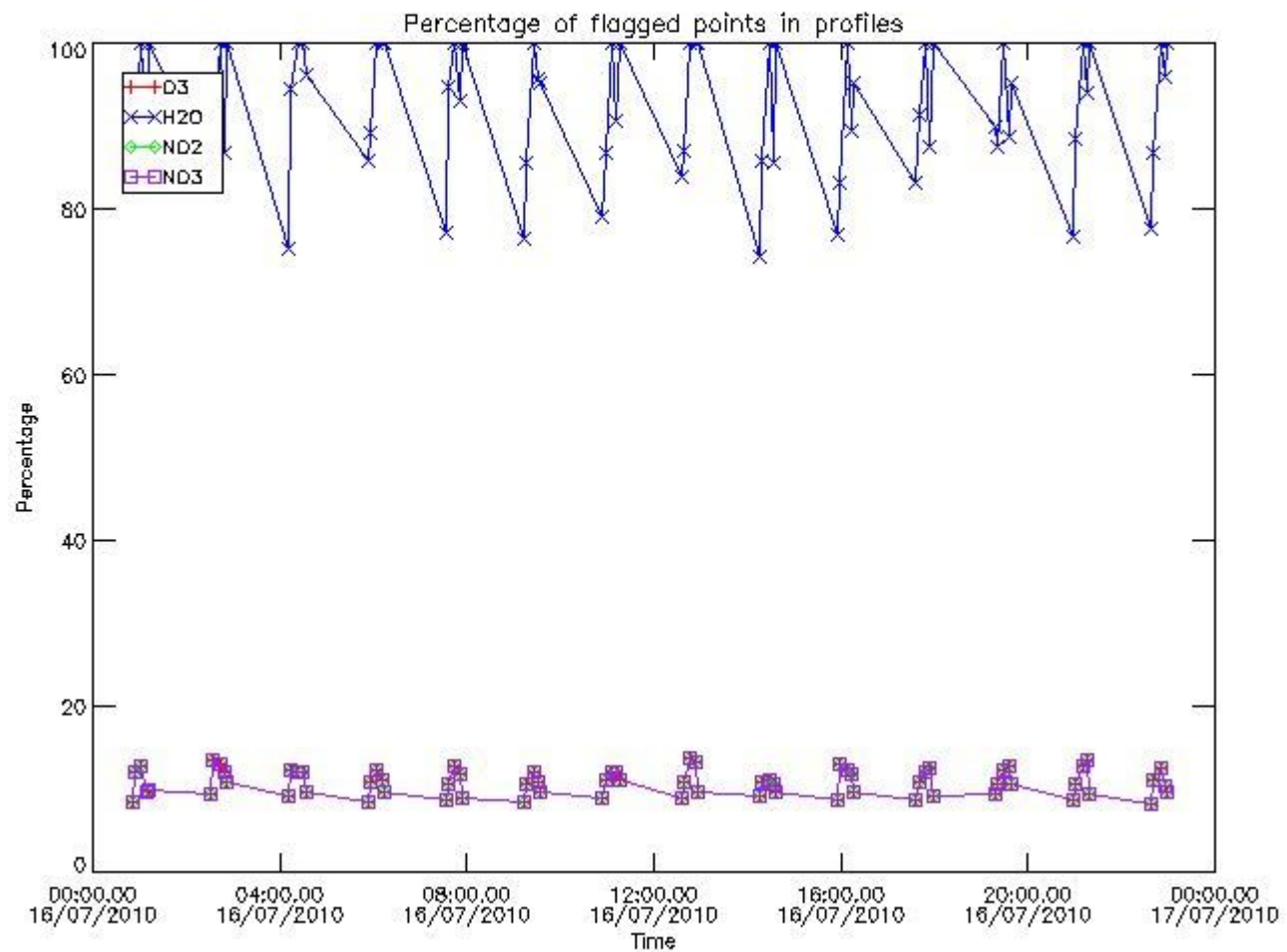
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279	GOM_NL__2PRFIN20100716_223202_000000502091_00158_43799_3111.N1	16-JUL-2010 22:32:02	Twilight	50.000	13	87Alp Tau	0.86700	3800.0	100	43799	No
280	GOM_NL__2PRFIN20100716_223829_000000632091_00158_43799_3112.N1	16-JUL-2010 22:38:29	Dark	63.000	94	92Alp Cet	2.5260	3100.0	126	43799	No
281	GOM_NL__2PRFIN20100716_224130_000000462091_00158_43799_3113.N1	16-JUL-2010 22:41:30	Dark	45.500	165	34Gam Eri	2.9500	3200.0	91	43799	No
282	GOM_NL__2PRFIN20100716_225031_000000412091_00158_43799_3114.N1	16-JUL-2010 22:50:31	Dark	41.000	157	The1Eri	2.9060	9300.0	82	43799	No
283	GOM_NL__2PRFIN20100716_225639_000000502091_00159_43800_3109.N1	16-JUL-2010 22:56:39	Dark	49.500	9	Alp Eri	0.45300	24000.	99	43800	No
284	GOM_NL__2PRFIN20100716_225942_000000582091_00159_43800_3110.N1	16-JUL-2010 22:59:42	Dark	58.000	84	Alp Phe	2.3970	4500.0	116	43800	No
285	GOM_NL__2PRFIN20100716_230527_000000622091_00159_43800_3111.N1	16-JUL-2010 23:05:27	Straylight	61.500	63	Bet Gru	2.1500	2800.0	123	43800	No
286	GOM_NL__2PRFIN20100716_230702_000000462091_00159_43800_3112.N1	16-JUL-2010 23:07:02	Straylight	45.500	31	Alp Gru	1.7340	15200.	91	43800	No
287	GOM_NL__2PRFIN20100716_231015_000000512091_00159_43800_3113.N1	16-JUL-2010 23:10:15	Straylight	51.000	172	Gam Gru	3.0030	13100.	102	43800	No
288	GOM_NL__2PRFIN20100716_231917_000000402091_00159_43800_3114.N1	16-JUL-2010 23:19:17	Bright	40.000	155	41Pi Sgr	2.9000	6600.0	80	43800	No
289	GOM_NL__2PRFIN20100716_233657_000000422091_00159_43800_3115.N1	16-JUL-2010 23:36:57	Bright	41.500	5	3Alp Lyr	0.033000	11000.	83	43800	No
290	GOM_NL__2PRFIN20100716_234008_000000422091_00159_43800_3116.N1	16-JUL-2010 23:40:08	Bright	42.000	144	18Del Cyg	2.8600	11000.	84	43800	No
291	GOM_NL__2PRFIN20100716_234225_000000472091_00159_43800_3117.N1	16-JUL-2010 23:42:25	Bright	46.500	19	50Alp Cyg	1.2460	10500.	93	43800	No
292	GOM_NL__2PRFIN20100716_234718_000000412091_00159_43800_3118.N1	16-JUL-2010 23:47:18	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	43800	No
293	GOM_NL__2PRFIN20100716_235609_000000492091_00159_43800_3119.N1	16-JUL-2010 23:56:09	Bright	48.500	76	27Gam Cas	2.3000	30000.	97	43800	No

3. Quality information per product

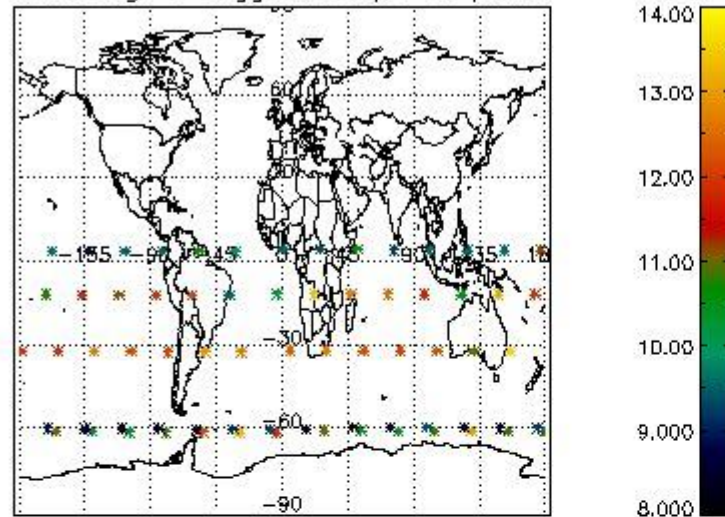
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

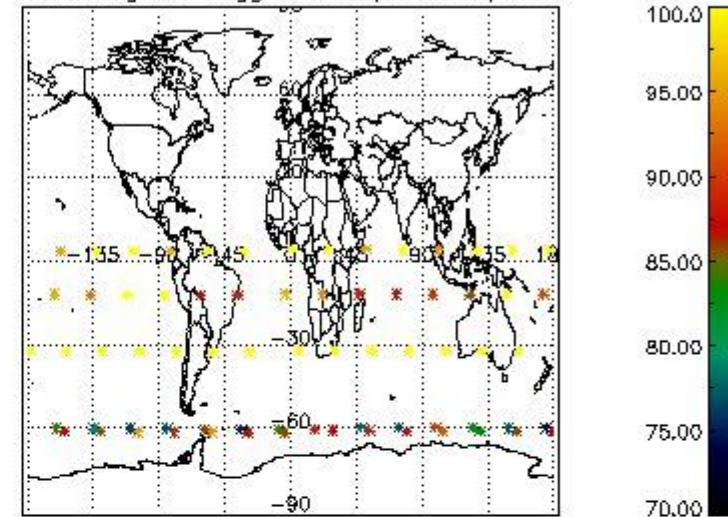


3.2 Plot quality information per product (world map)

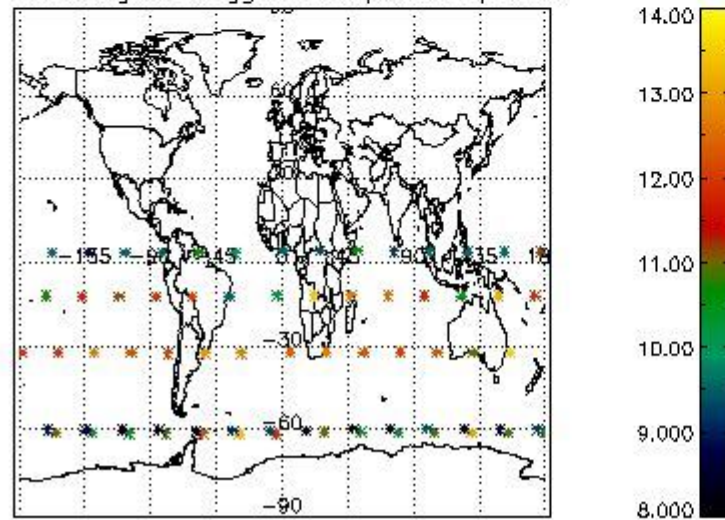
Percentage of flagged data per O3 profile



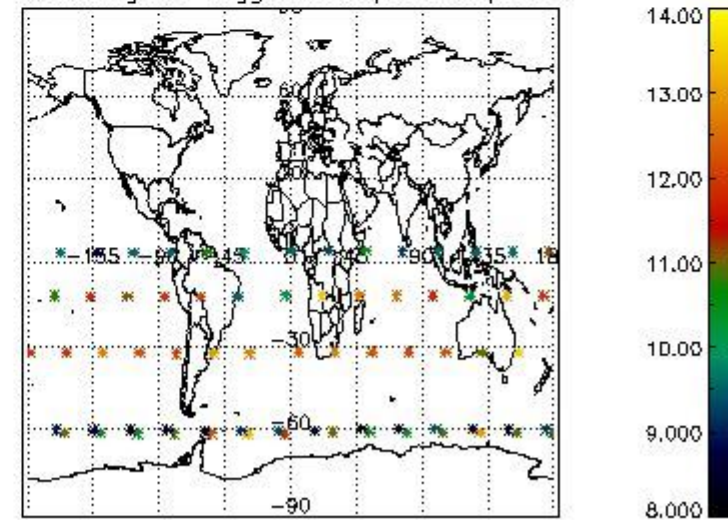
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

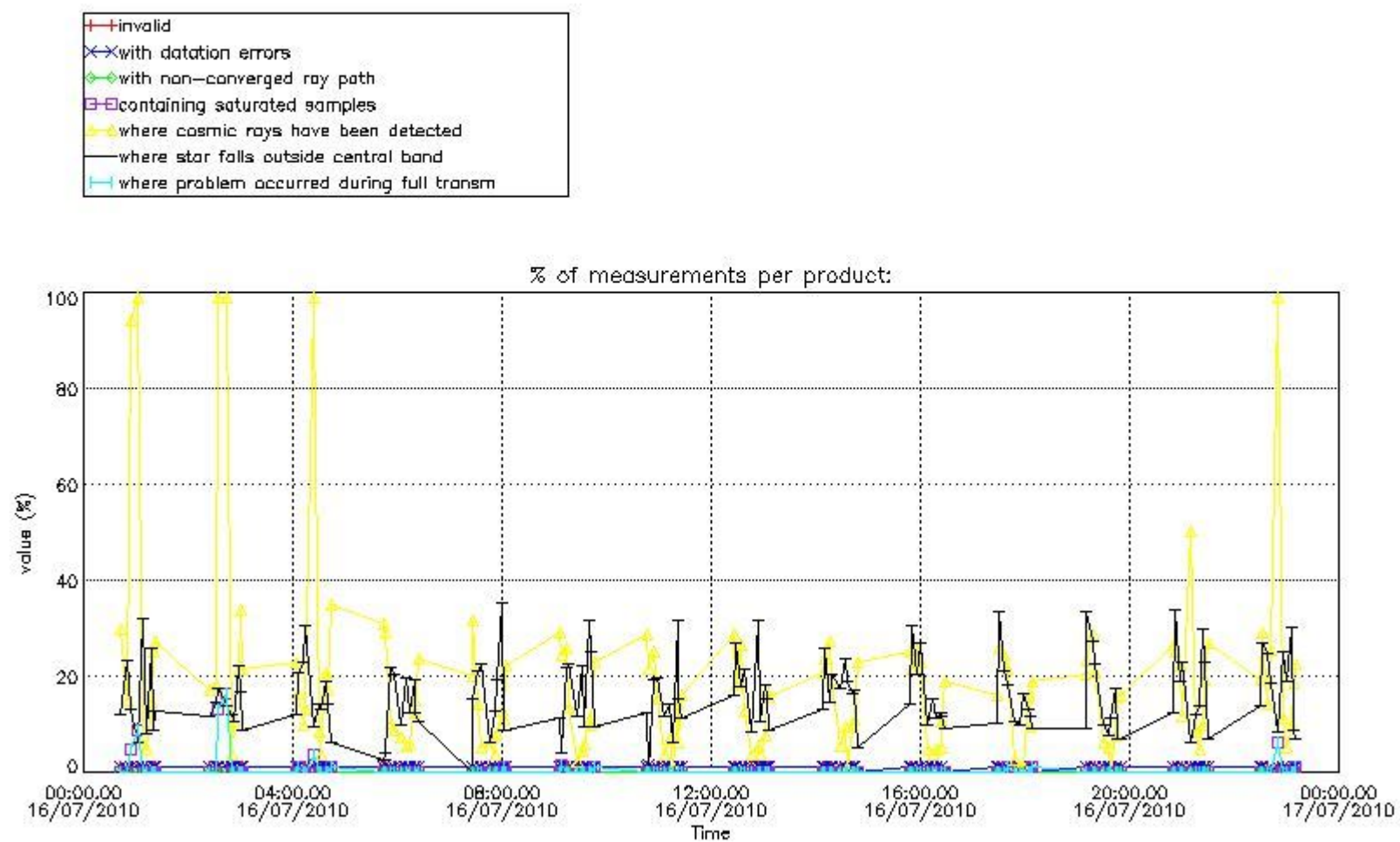


4. Level 1 quality information per product

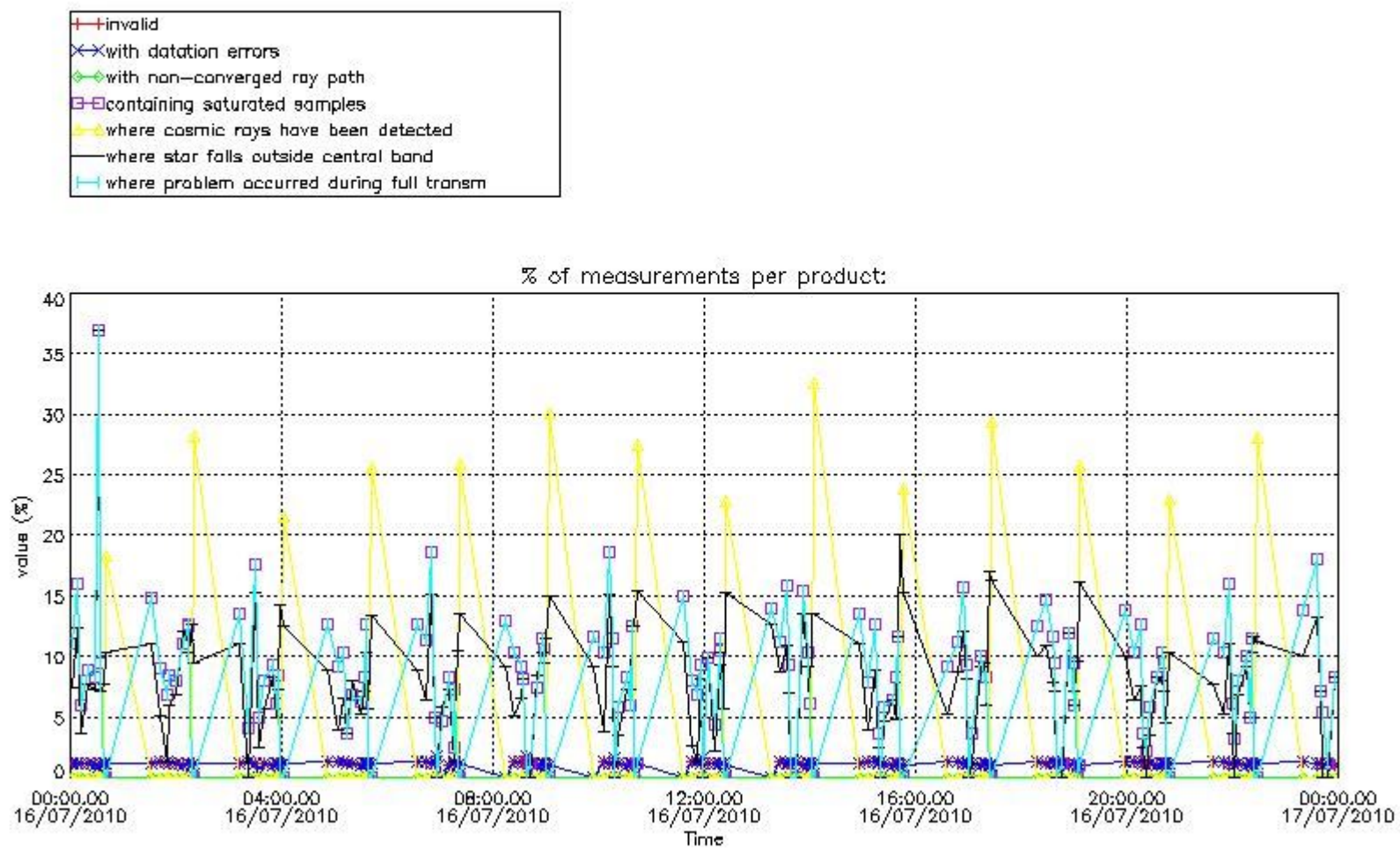
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



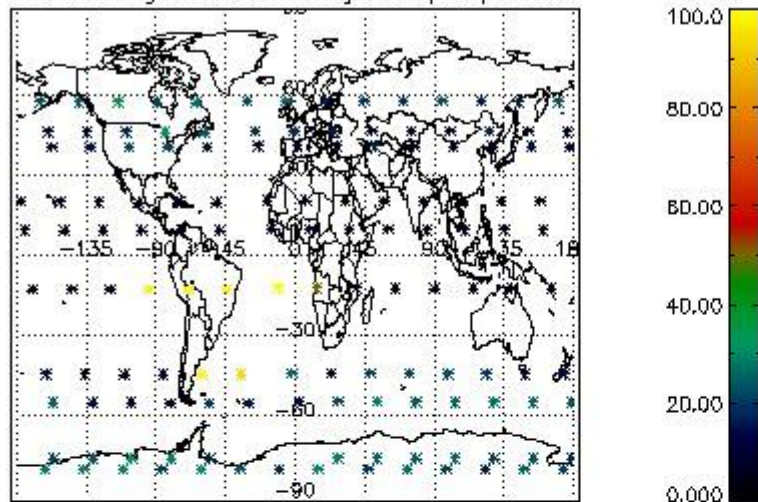
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



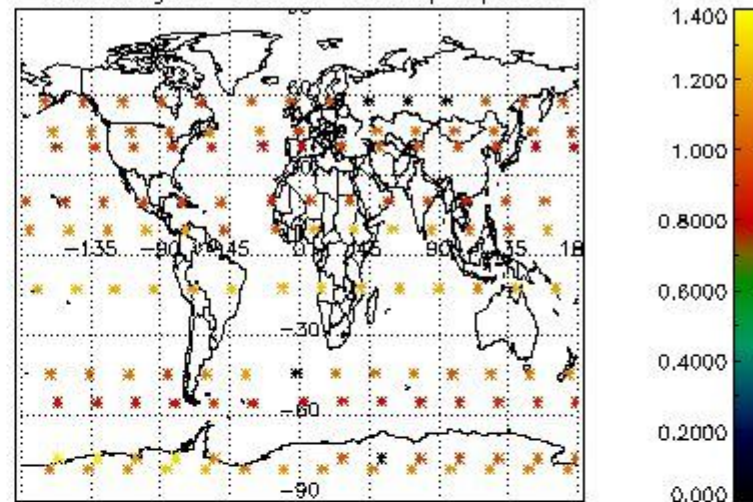
4.2 Plot quality information per product coming from level 1b processing (world map)

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

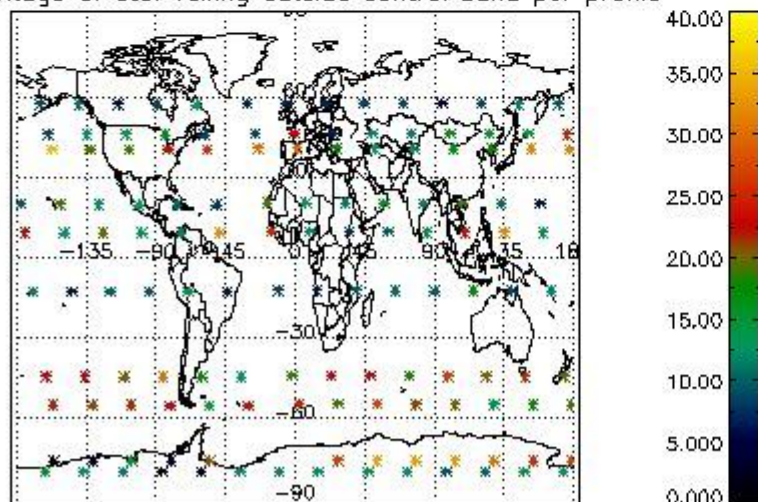
Percentage of cosmic ray hits per profile



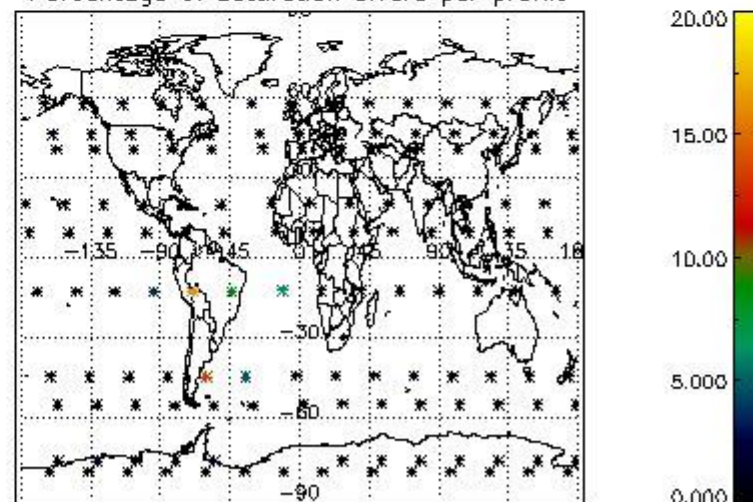
Percentage of datation errors per profile



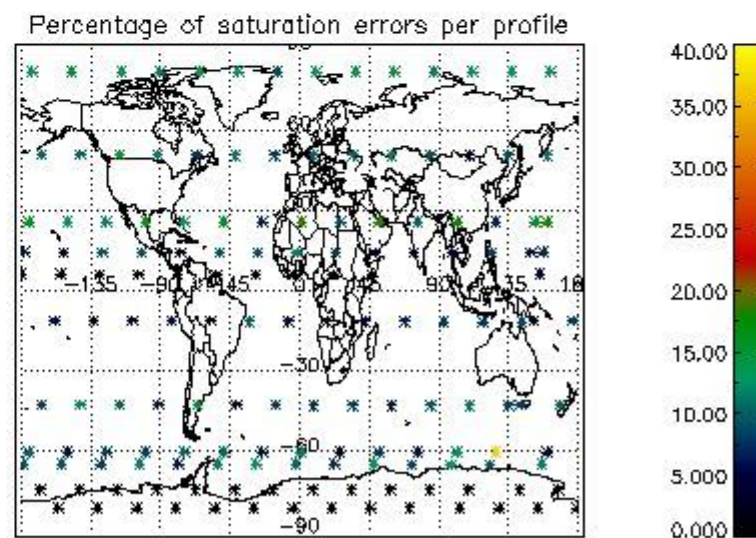
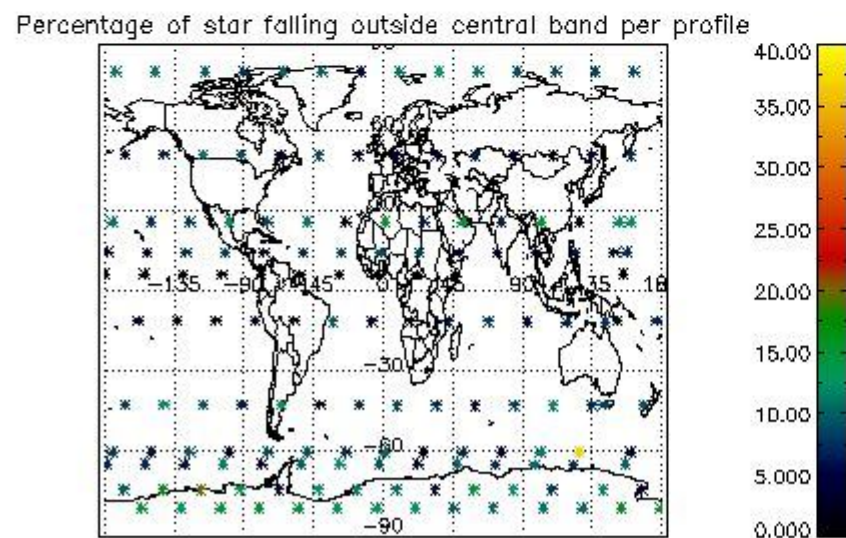
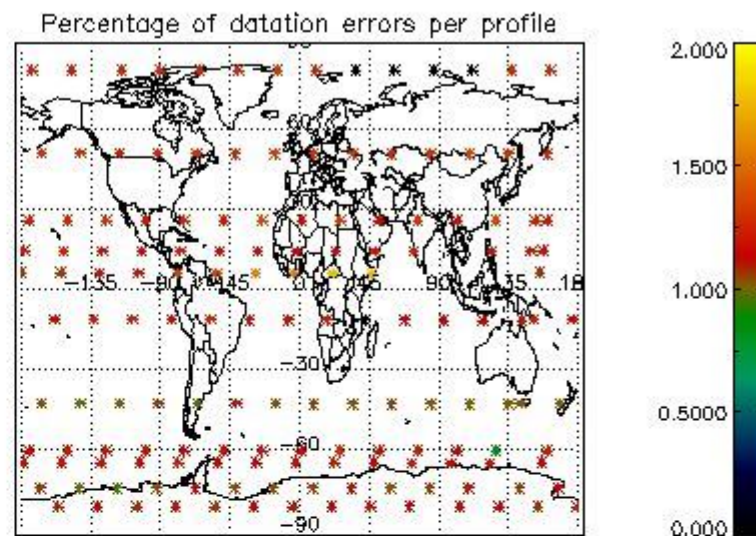
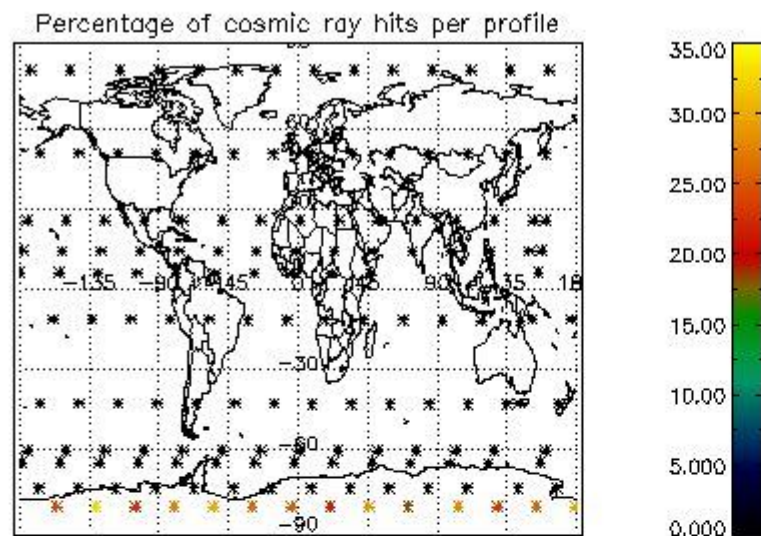
Percentage of star falling outside central band per profile



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

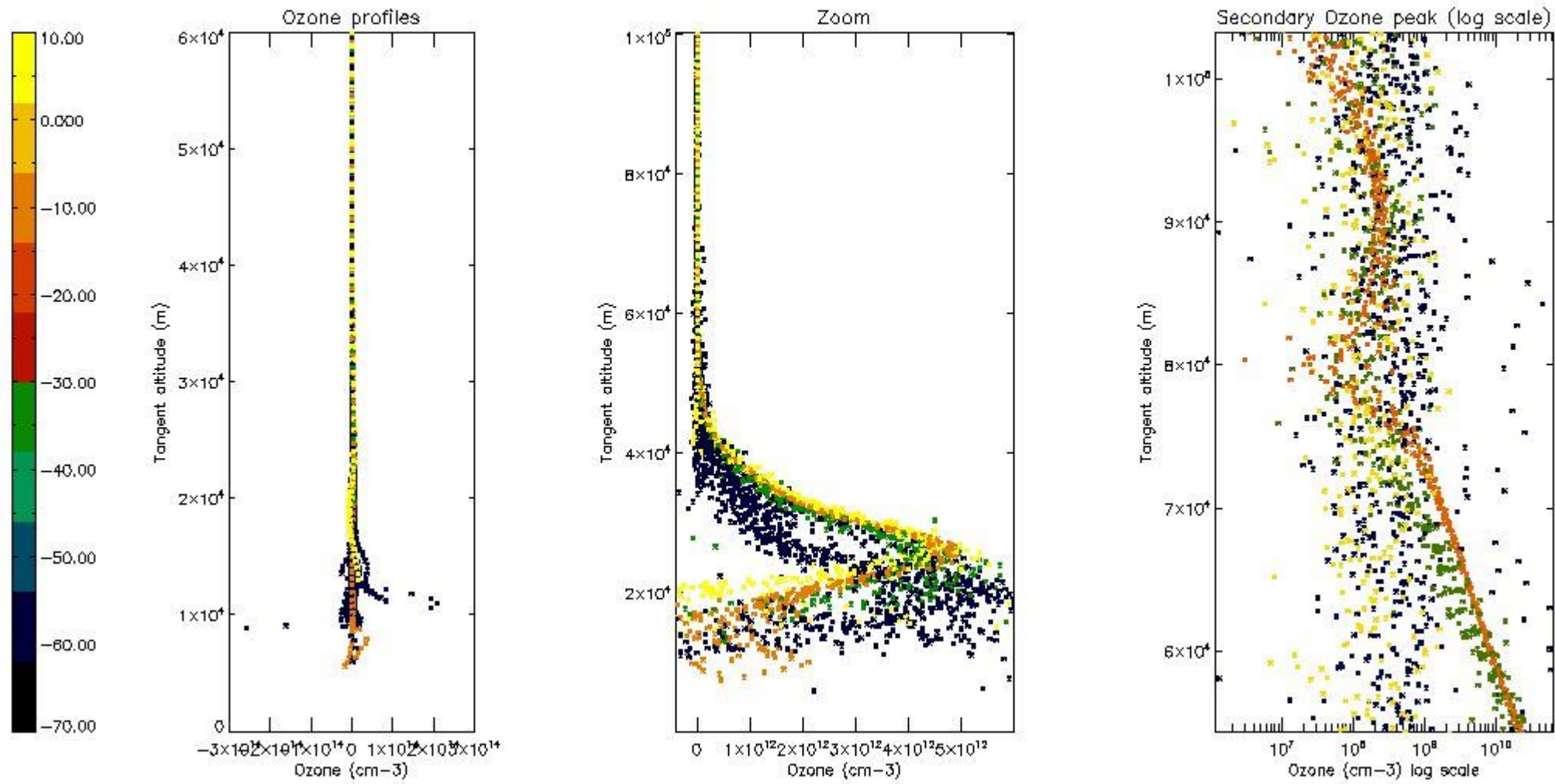
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	26
STD < 20	9

STD < 10	5
STD < 5	3

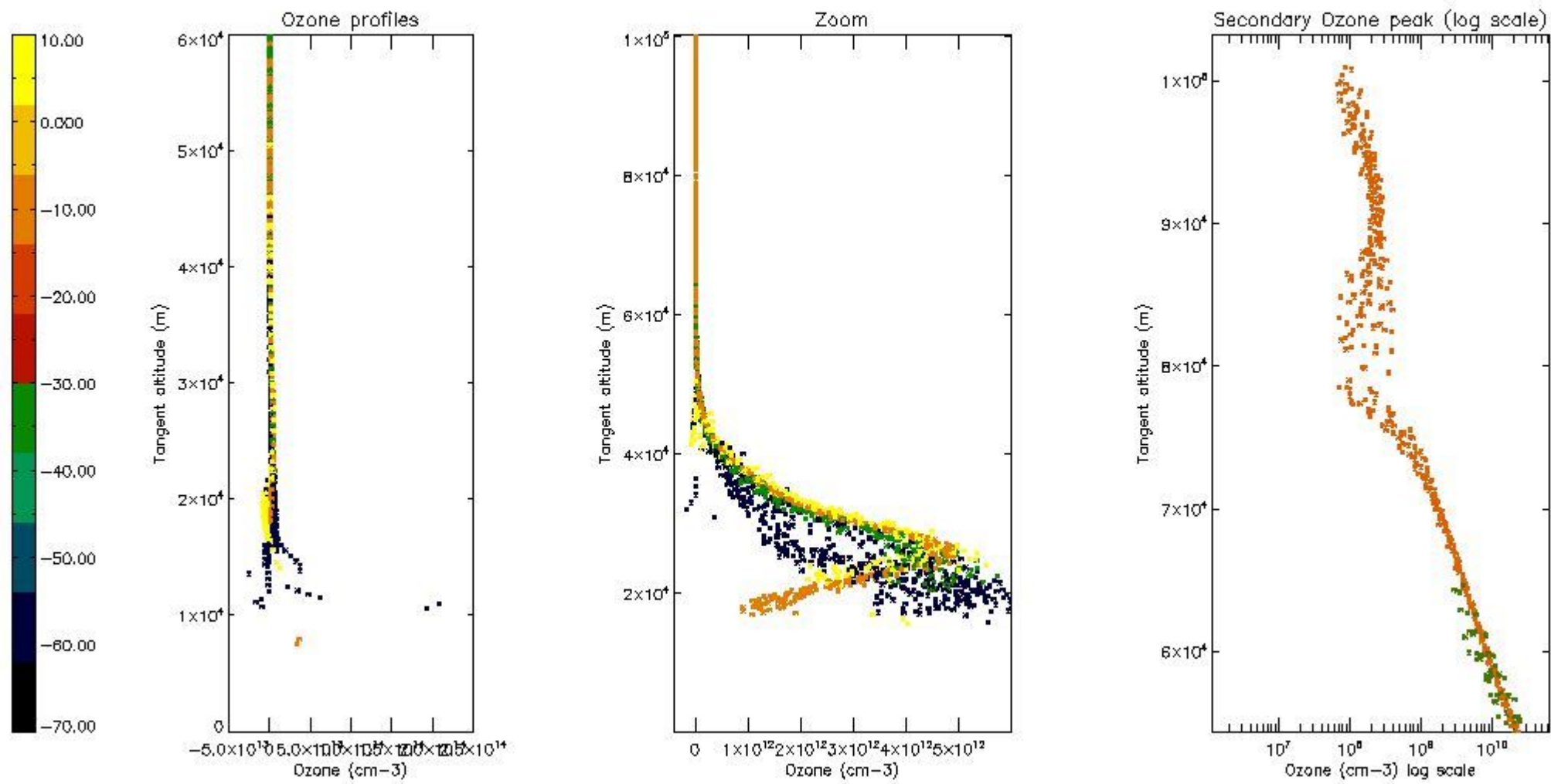
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



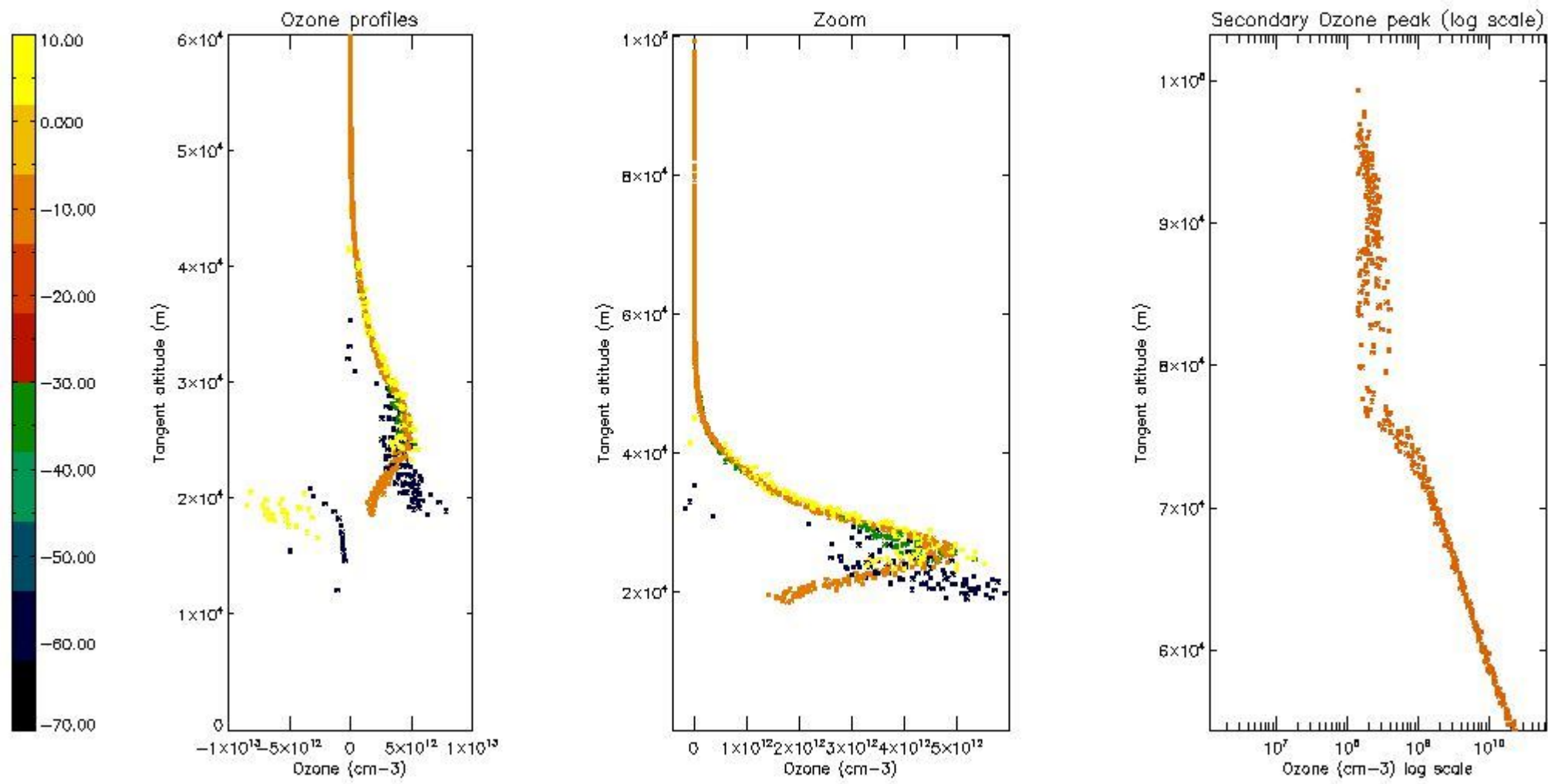
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



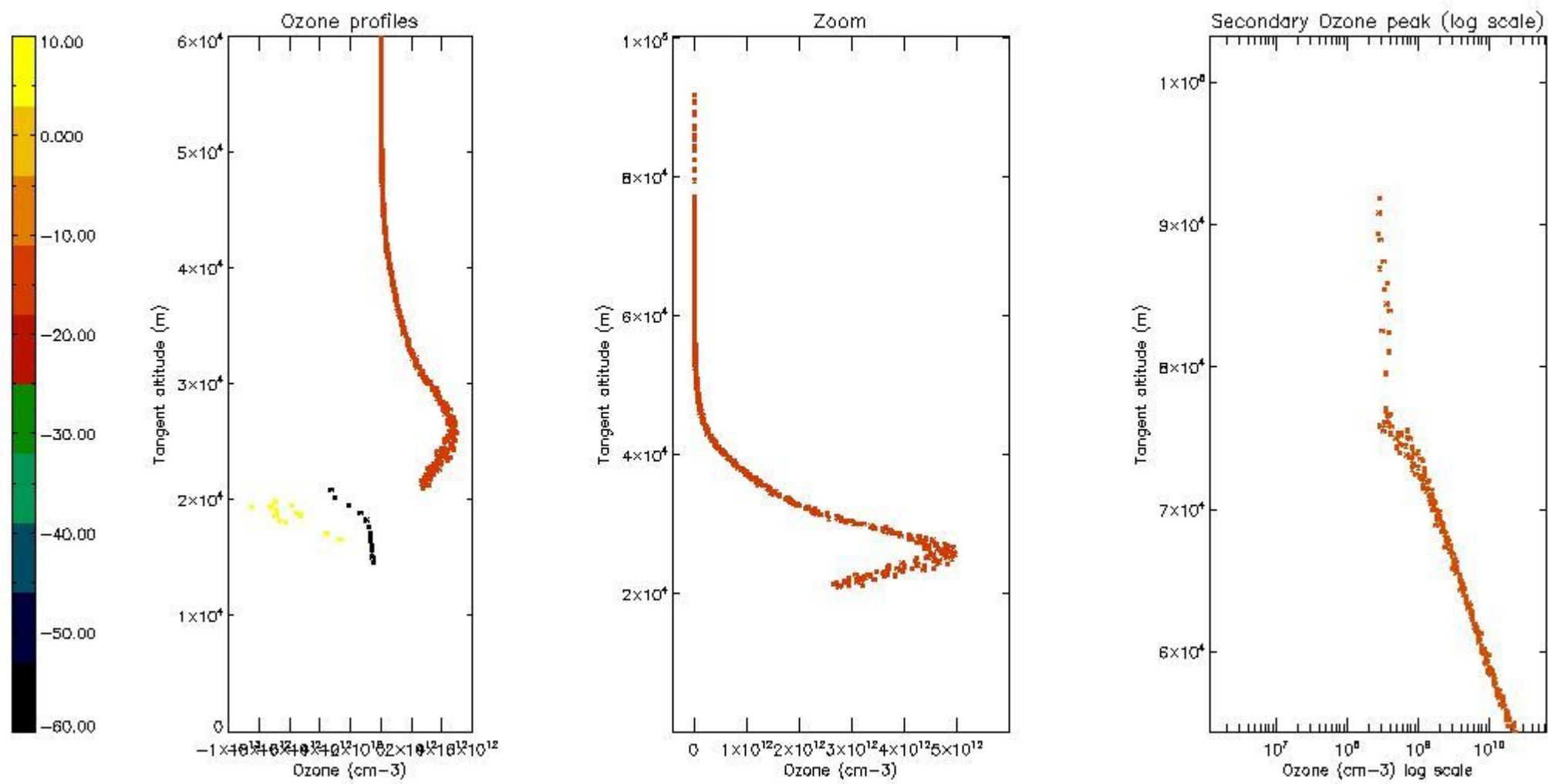
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



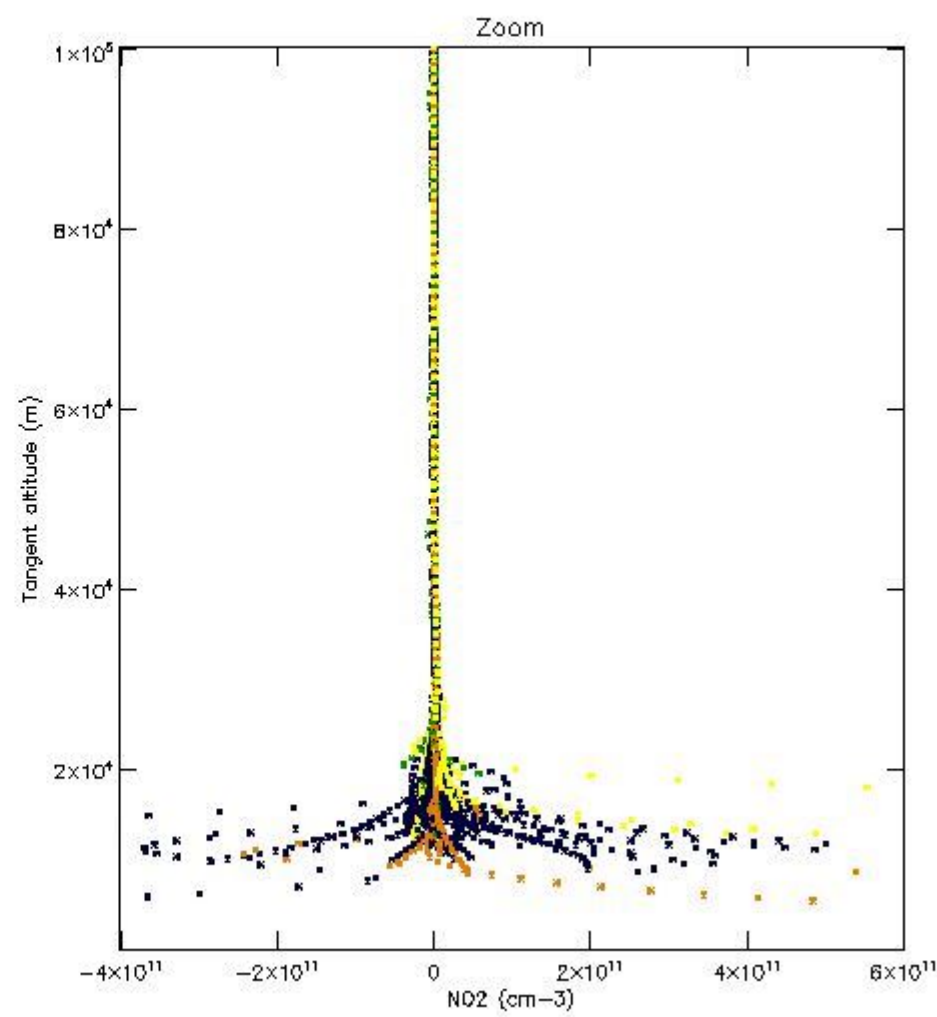
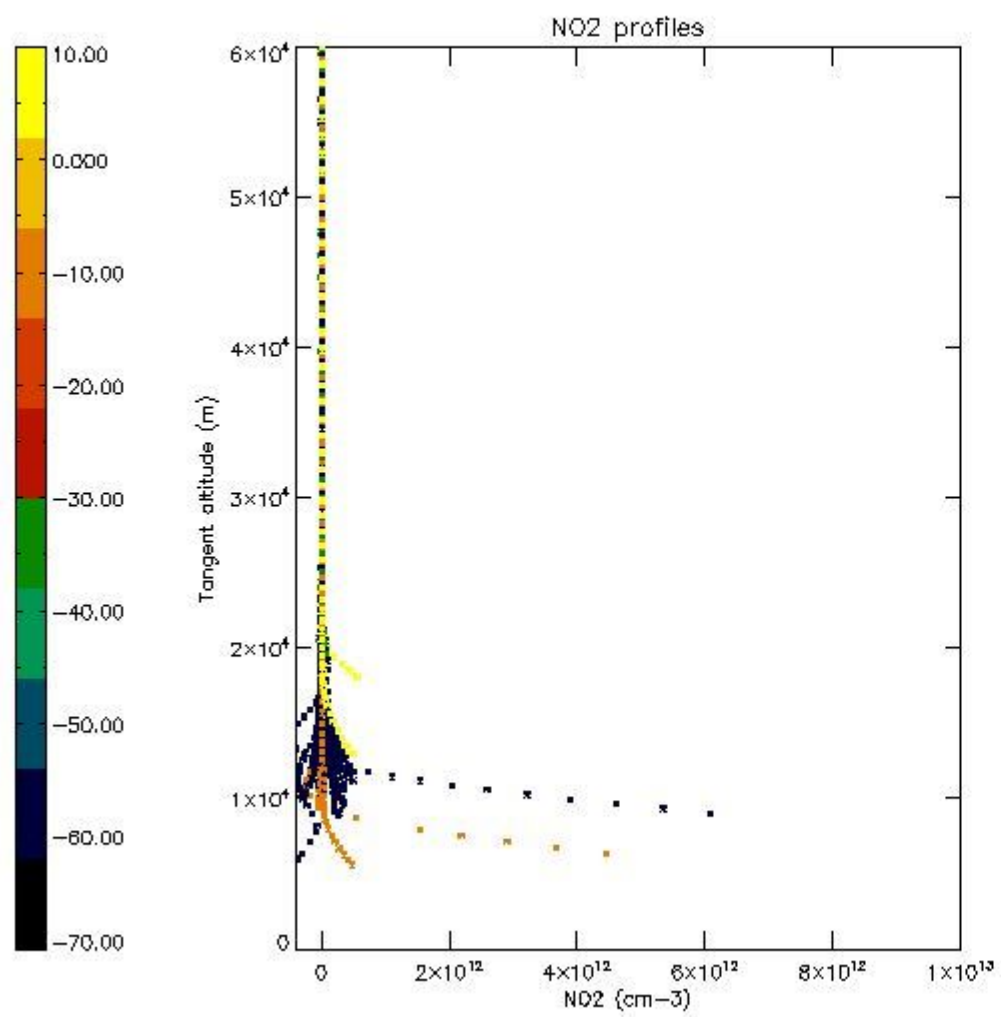
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



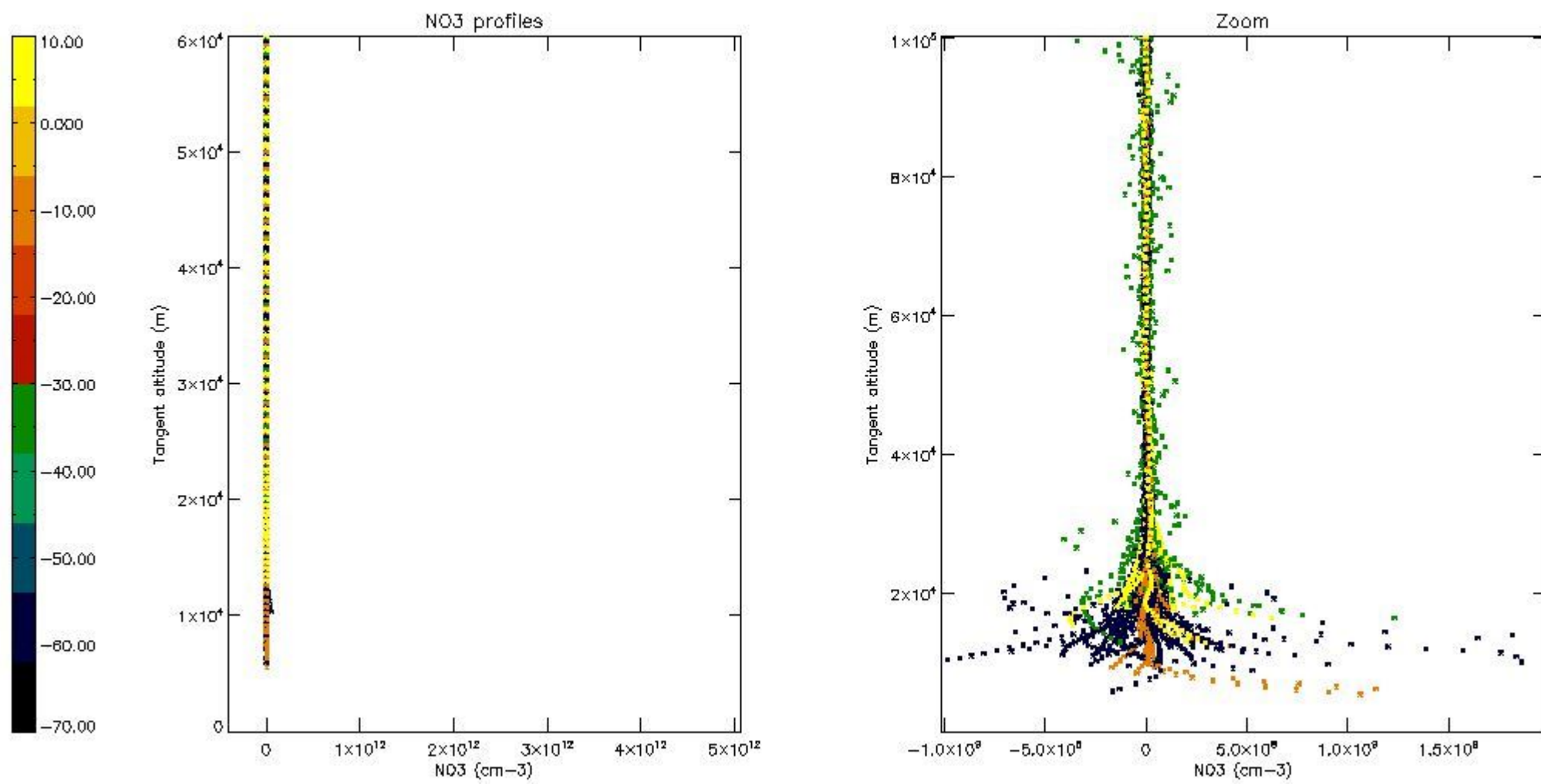
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



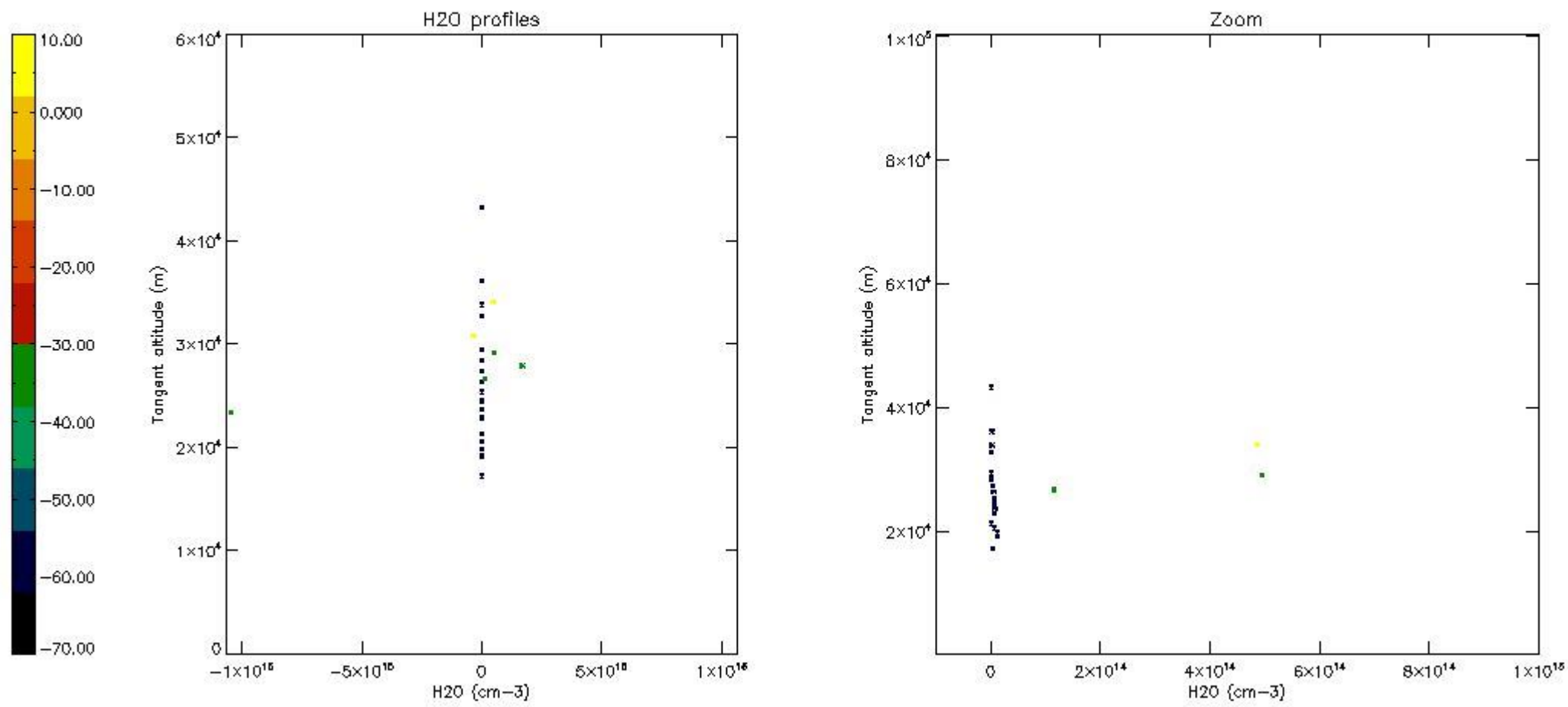
5.7 Plot NO3 profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

The colorbar represents the latitude.



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

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

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	16-JUL-2010 00:01:33
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	16-JUL-2010 00:01:33
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	16-JUL-2010 00:01:33

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[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 13:05:04
Data source version	GOMOS/6.01
Start time of products	16-07-2010 (16JUL2010 00:00:00)
Stop time of products	17-07-2010 (17JUL2010 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	293
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__2PRFIN20100716_000133_000000412091_00145_43786_2744.N1	16-JUL-2010 00:01:33	Bright	40.500	168	17Zet Aql	2.9860	11000.	81	43786	No
2	GOM_NL__2PRFIN20100716_000837_000000412091_00145_43786_2745.N1	16-JUL-2010 00:08:37	Bright	40.500	5	3Alp Lyr	0.033000	11000.	81	43786	No
3	GOM_NL__2PRFIN20100716_001152_000000422091_00145_43786_2746.N1	16-JUL-2010 00:11:52	Bright	41.500	144	18Del Cyg	2.8600	11000.	83	43786	No
4	GOM_NL__2PRFIN20100716_001904_000000452091_00145_43786_2747.N1	16-JUL-2010 00:19:04	Bright	45.000	89	5Alp Cep	2.4510	8000.0	90	43786	No
5	GOM_NL__2PRFIN20100716_002753_000000492091_00145_43786_2748.N1	16-JUL-2010 00:27:53	Bright	48.500	76	27Gam Cas	2.3000	30000.	97	43786	No
6	GOM_NL__2PRFIN20100716_003254_000000612091_00145_43786_2749.N1	16-JUL-2010 00:32:54	Bright	61.000	160	23Gam Per	2.9300	4700.0	122	43786	No
7	GOM_NL__2PRFIN20100716_003414_000000422091_00145_43786_2750.N1	16-JUL-2010 00:34:14	Bright	42.000	35	33Alp Per	1.7950	6250.0	84	43786	No
8	GOM_NL__2PRFIN20100716_003711_000000452091_00145_43786_2751.N1	16-JUL-2010 00:37:11	Bright	45.000	79	26Bet Per	2.3100	13100.	90	43786	No
9	GOM_NL__2PRFIN20100716_004003_000000442091_00145_43786_2752.N1	16-JUL-2010 00:40:03	Twilight	43.500	150	44Zet Per	2.8900	28000.	87	43786	No
10	GOM_NL__2PRFIN20100716_004237_000000462091_00145_43786_2753.N1	16-JUL-2010 00:42:37	Twilight	45.500	146	25Eta Tau	2.8730	15200.	91	43786	No
11	GOM_NL__2PRFIN20100716_005032_000000602091_00145_43786_2754.N1	16-JUL-2010 00:50:32	Dark	60.000	94	92Alp Cet	2.5260	3100.0	120	43786	No
12	GOM_NL__2PRFIN20100716_005336_000000432091_00145_43786_2755.N1	16-JUL-2010 00:53:36	Dark	42.500	165	34Gam Eri	2.9500	3200.0	85	43786	No
13	GOM_NL__2PRFIN20100716_010235_000000402091_00145_43786_2756.N1	16-JUL-2010 01:02:35	Dark	40.000	157	The1Eri	2.9060	9300.0	80	43786	No
14	GOM_NL__2PRFIN20100716_010844_000000532091_00146_43787_2749.N1	16-JUL-2010 01:08:44	Dark	53.000	9	Alp Eri	0.45300	24000.	106	43787	No
15	GOM_NL__2PRFIN20100716_011141_000000512091_00146_43787_2750.N1	16-JUL-2010 01:11:41	Dark	51.000	84	Alp Phe	2.3970	4500.0	102	43787	No
16	GOM_NL__2PRFIN20100716_011729_000000582091_00146_43787_2751.N1	16-JUL-2010 01:17:29	Straylight	58.000	63	Bet Gru	2.1500	2800.0	116	43787	No
17	GOM_NL__2PRFIN20100716_011905_000000462091_00146_43787_2752.N1	16-JUL-2010 01:19:05	Straylight	46.000	31	Alp Gru	1.7340	15200.	92	43787	No
18	GOM_NL__2PRFIN20100716_012218_000000552091_00146_43787_2753.N1	16-JUL-2010 01:22:18	Straylight	55.000	172	Gam Gru	3.0030	13100.	110	43787	No
19	GOM_NL__2PRFIN20100716_013128_000000412091_00146_43787_2754.N1	16-JUL-2010 01:31:28	Bright	40.500	155	41Pi Sgr	2.9000	6600.0	81	43787	No
20	GOM_NL__2PRFIN20100716_014208_000000392091_00146_43787_2755.N1	16-JUL-2010 01:42:08	Bright	39.000	168	17Zet Aql	2.9860	11000.	78	43787	No
21	GOM_NL__2PRFIN20100716_014912_000000372091_00146_43787_2756.N1	16-JUL-2010 01:49:12	Bright	36.500	5	3Alp Lyr	0.033000	11000.	73	43787	No
22	GOM_NL__2PRFIN20100716_015227_000000422091_00146_43787_2757.N1	16-JUL-2010 01:52:27	Bright	41.500	144	18Del Cyg	2.8600	11000.	83	43787	No
23	GOM_NL__2PRFIN20100716_015939_000000442091_00146_43787_2758.N1	16-JUL-2010 01:59:39	Bright	44.000	89	5Alp Cep	2.4510	8000.0	88	43787	No
24	GOM_NL__2PRFIN20100716_020829_000000502091_00146_43787_2759.N1	16-JUL-2010 02:08:29	Bright	49.500	76	27Gam Cas	2.3000	30000.	99	43787	No
25	GOM_NL__2PRFIN20100716_021329_000000442091_00146_43787_2760.N1	16-JUL-2010 02:13:29	Bright	44.000	160	23Gam Per	2.9300	4700.0	88	43787	No
26	GOM_NL__2PRFIN20100716_021450_000000442091_00146_43787_2761.N1	16-JUL-2010 02:14:50	Bright	43.500	35	33Alp Per	1.7950	6250.0	87	43787	No
27	GOM_NL__2PRFIN20100716_021747_000000482091_00146_43787_2762.N1	16-JUL-2010 02:17:47	Bright	47.500	79	26Bet Per	2.3100	13100.	95	43787	No
28	GOM_NL__2PRFIN20100716_022039_000000432091_00146_43787_2763.N1	16-JUL-2010 02:20:39	Twilight	42.500	150	44Zet Per	2.8900	28000.	85	43787	No
29	GOM_NL__2PRFIN20100716_022313_000000442091_00146_43787_2764.N1	16-JUL-2010 02:23:13	Twilight	43.500	146	25Eta Tau	2.8730	15200.	87	43787	No
30	GOM_NL__2PRFIN20100716_023109_000000552091_00146_43787_2765.N1	16-JUL-2010 02:31:09	Dark	54.500	94	92Alp Cet	2.5260	3100.0	109	43787	No
31	GOM_NL__2PRFIN20100716_023412_000000462091_00146_43787_2766.N1	16-JUL-2010 02:34:12	Dark	45.500	165	34Gam Eri	2.9500	3200.0	91	43787	No
32	GOM_NL__2PRFIN20100716_024312_000000432091_00146_43787_2767.N1	16-JUL-2010 02:43:12	Dark	43.000	157	The1Eri	2.9060	9300.0	86	43787	No
33	GOM_NL__2PRFIN20100716_024921_000000422091_00147_43788_2762.N1	16-JUL-2010 02:49:21	Dark	42.000	9	Alp Eri	0.45300	24000.	84	43788	No
34	GOM_NL__2PRFIN20100716_025218_000000522091_00147_43788_2763.N1	16-JUL-2010 02:52:18	Dark	52.000	84	Alp Phe	2.3970	4500.0	104	43788	No
35	GOM_NL__2PRFIN20100716_025806_000000562091_00147_43788_2764.N1	16-JUL-2010 02:58:06	Straylight	56.000	63	Bet Gru	2.1500	2800.0	112	43788	No
36	GOM_NL__2PRFIN20100716_025942_000000512091_00147_43788_2765.N1	16-JUL-2010 02:59:42	Straylight	50.500	31	Alp Gru	1.7340	15200.	101	43788	No
37	GOM_NL__2PRFIN20100716_030255_000000522091_00147_43788_2766.N1	16-JUL-2010 03:02:55	Straylight	51.500	172	Gam Gru	3.0030	13100.	103	43788	No
38	GOM_NL__2PRFIN20100716_031204_000000412091_00147_43788_2767.N1	16-JUL-2010 03:12:04	Bright	40.500	155	41Pi Sgr	2.9000	6600.0	81	43788	No
39	GOM_NL__2PRFIN20100716_032244_000000372091_00147_43788_2768.N1	16-JUL-2010 03:22:44	Bright	37.000	168	17Zet Aql	2.9860	11000.	74	43788	No
40	GOM_NL__2PRFIN20100716_032948_000000432091_00147_43788_2769.N1	16-JUL-2010 03:29:48	Bright	42.500	5	3Alp Lyr	0.033000	11000.	85	43788	No
41	GOM_NL__2PRFIN20100716_033303_000000412091_00147_43788_2770.N1	16-JUL-2010 03:33:03	Bright	40.500	144	18Del Cyg	2.8600	11000.	81	43788	No
42	GOM_NL__2PRFIN20100716_034015_000000442091_00147_43788_2771.N1	16-JUL-2010 03:40:15	Bright	44.000	89	5Alp Cep	2.4510	8000.0	88	43788	No

43	GOM_NL__2PRFIN20100716_034904_000000492091_00147_43788_2772.N1	16-JUL-2010 03:49:04	Bright	48.500	76	27Gam Cas	2.3000	30000.	97	43788	No
44	GOM_NL__2PRFIN20100716_035405_000000412091_00147_43788_2773.N1	16-JUL-2010 03:54:05	Bright	41.000	160	23Gam Per	2.9300	4700.0	82	43788	No
45	GOM_NL__2PRFIN20100716_035526_000000422091_00147_43788_2774.N1	16-JUL-2010 03:55:26	Bright	41.500	35	33Alp Per	1.7950	6250.0	83	43788	No
46	GOM_NL__2PRFIN20100716_035823_000000492091_00147_43788_2775.N1	16-JUL-2010 03:58:23	Bright	49.000	79	26Bet Per	2.3100	13100.	98	43788	No
47	GOM_NL__2PRFIN20100716_040115_000000442091_00147_43788_2776.N1	16-JUL-2010 04:01:15	Tw_i_and_stray	44.000	150	44Zet Per	2.8900	28000.	88	43788	No
48	GOM_NL__2PRFIN20100716_040349_000000462091_00147_43788_2777.N1	16-JUL-2010 04:03:49	Twilight	45.500	146	25Eta Tau	2.8730	15200.	91	43788	No
49	GOM_NL__2PRFIN20100716_040524_000000462091_00147_43788_2778.N1	16-JUL-2010 04:05:24	Twilight	46.000	13	87Alp Tau	0.86700	3800.0	92	43788	No
50	GOM_NL__2PRFIN20100716_041145_000000612091_00147_43788_2779.N1	16-JUL-2010 04:11:45	Dark	61.000	94	92Alp Cet	2.5260	3100.0	122	43788	No
51	GOM_NL__2PRFIN20100716_041449_000000542091_00147_43788_2780.N1	16-JUL-2010 04:14:49	Dark	54.000	165	34Gam Eri	2.9500	3200.0	108	43788	No
52	GOM_NL__2PRFIN20100716_042349_000000422091_00147_43788_2781.N1	16-JUL-2010 04:23:49	Dark	42.000	157	The1Eri	2.9060	9300.0	84	43788	No
53	GOM_NL__2PRFIN20100716_042957_000000432091_00148_43789_2773.N1	16-JUL-2010 04:29:57	Dark	42.500	9	Alp Eri	0.45300	24000.	85	43789	No
54	GOM_NL__2PRFIN20100716_043255_000000532091_00148_43789_2774.N1	16-JUL-2010 04:32:55	Dark	53.000	84	Alp Phe	2.3970	4500.0	106	43789	No
55	GOM_NL__2PRFIN20100716_043843_000000532091_00148_43789_2775.N1	16-JUL-2010 04:38:43	Straylight	53.000	63	Bet Gru	2.1500	2800.0	106	43789	No
56	GOM_NL__2PRFIN20100716_044019_000000502091_00148_43789_2776.N1	16-JUL-2010 04:40:19	Straylight	49.500	31	Alp Gru	1.7340	15200.	99	43789	No
57	GOM_NL__2PRFIN20100716_044332_000000502091_00148_43789_2777.N1	16-JUL-2010 04:43:32	Straylight	50.000	172	Gam Gru	3.0030	13100.	100	43789	No
58	GOM_NL__2PRFIN20100716_045240_000000402091_00148_43789_2778.N1	16-JUL-2010 04:52:40	Bright	39.500	155	41Pi Sgr	2.9000	6600.0	79	43789	No
59	GOM_NL__2PRFIN20100716_050320_000000392091_00148_43789_2779.N1	16-JUL-2010 05:03:20	Bright	38.500	168	17Zet Aql	2.9860	11000.	77	43789	No
60	GOM_NL__2PRFIN20100716_051024_000000392091_00148_43789_2780.N1	16-JUL-2010 05:10:24	Bright	38.500	5	3Alp Lyr	0.033000	11000.	77	43789	No
61	GOM_NL__2PRFIN20100716_051338_000000412091_00148_43789_2781.N1	16-JUL-2010 05:13:38	Bright	41.000	144	18Del Cyg	2.8600	11000.	82	43789	No
62	GOM_NL__2PRFIN20100716_052050_000000442091_00148_43789_2782.N1	16-JUL-2010 05:20:50	Bright	44.000	89	5Alp Cep	2.4510	8000.0	88	43789	No
63	GOM_NL__2PRFIN20100716_052940_000000482091_00148_43789_2783.N1	16-JUL-2010 05:29:40	Bright	47.500	76	27Gam Cas	2.3000	30000.	95	43789	No
64	GOM_NL__2PRFIN20100716_053441_000000432091_00148_43789_2784.N1	16-JUL-2010 05:34:41	Bright	42.500	160	23Gam Per	2.9300	4700.0	85	43789	No
65	GOM_NL__2PRFIN20100716_053602_000000442091_00148_43789_2785.N1	16-JUL-2010 05:36:02	Bright	43.500	35	33Alp Per	1.7950	6250.0	87	43789	No
66	GOM_NL__2PRFIN20100716_053859_000000452091_00148_43789_2786.N1	16-JUL-2010 05:38:59	Bright	44.500	79	26Bet Per	2.3100	13100.	89	43789	No
67	GOM_NL__2PRFIN20100716_054151_000000452091_00148_43789_2787.N1	16-JUL-2010 05:41:51	Tw_i_and_stray	45.000	150	44Zet Per	2.8900	28000.	90	43789	No
68	GOM_NL__2PRFIN20100716_054426_000000412091_00148_43789_2788.N1	16-JUL-2010 05:44:26	Twilight	40.500	146	25Eta Tau	2.8730	15200.	81	43789	No
69	GOM_NL__2PRFIN20100716_054600_000000382091_00148_43789_2789.N1	16-JUL-2010 05:46:00	Twilight	38.000	13	87Alp Tau	0.86700	3800.0	76	43789	No
70	GOM_NL__2PRFIN20100716_055222_000000602091_00148_43789_2790.N1	16-JUL-2010 05:52:22	Dark	60.000	94	92Alp Cet	2.5260	3100.0	120	43789	No
71	GOM_NL__2PRFIN20100716_055526_000000472091_00148_43789_2791.N1	16-JUL-2010 05:55:26	Dark	46.500	165	34Gam Eri	2.9500	3200.0	93	43789	No
72	GOM_NL__2PRFIN20100716_060425_000000422091_00148_43789_2792.N1	16-JUL-2010 06:04:25	Dark	41.500	157	The1Eri	2.9060	9300.0	83	43789	No
73	GOM_NL__2PRFIN20100716_061034_000000462091_00149_43790_2784.N1	16-JUL-2010 06:10:34	Dark	45.500	9	Alp Eri	0.45300	24000.	91	43790	No
74	GOM_NL__2PRFIN20100716_061332_000000532091_00149_43790_2785.N1	16-JUL-2010 06:13:32	Dark	53.000	84	Alp Phe	2.3970	4500.0	106	43790	No
75	GOM_NL__2PRFIN20100716_061919_000000542091_00149_43790_2786.N1	16-JUL-2010 06:19:19	Straylight	54.000	63	Bet Gru	2.1500	2800.0	108	43790	No
76	GOM_NL__2PRFIN20100716_062055_000000482091_00149_43790_2787.N1	16-JUL-2010 06:20:55	Straylight	48.000	31	Alp Gru	1.7340	15200.	96	43790	No
77	GOM_NL__2PRFIN20100716_062408_000000532091_00149_43790_2788.N1	16-JUL-2010 06:24:08	Straylight	52.500	172	Gam Gru	3.0030	13100.	105	43790	No
78	GOM_NL__2PRFIN20100716_063317_000000402091_00149_43790_2789.N1	16-JUL-2010 06:33:17	Bright	39.500	155	41Pi Sgr	2.9000	6600.0	79	43790	No
79	GOM_NL__2PRFIN20100716_064356_000000402091_00149_43790_2790.N1	16-JUL-2010 06:43:56	Bright	39.500	168	17Zet Aql	2.9860	11000.	79	43790	No
80	GOM_NL__2PRFIN20100716_065059_000000432091_00149_43790_2791.N1	16-JUL-2010 06:50:59	Bright	43.000	5	3Alp Lyr	0.033000	11000.	86	43790	No
81	GOM_NL__2PRFIN20100716_065414_000000412091_00149_43790_2792.N1	16-JUL-2010 06:54:14	Bright	41.000	144	18Del Cyg	2.8600	11000.	82	43790	No
82	GOM_NL__2PRFIN20100716_065634_000000282091_00149_43790_2793.N1	16-JUL-2010 06:56:34	Tw_i_and_stray	28.000	19	50Alp Cyg	1.2460	10500.	56	43790	No
83	GOM_NL__2PRFIN20100716_070125_000000432091_00149_43790_2794.N1	16-JUL-2010 07:01:25	Bright	42.500	89	5Alp Cep	2.4510	8000.0	85	43790	No
84	GOM_NL__2PRFIN20100716_071015_000000492091_00149_43790_2795.N1	16-JUL-2010 07:10:15	Bright	48.500	76	27Gam Cas	2.3000	30000.	97	43790	No
85	GOM_NL__2PRFIN20100716_071517_000000402091_00149_43790_2796.N1	16-JUL-2010 07:15:17	Bright	39.500	160	23Gam Per	2.9300	4700.0	79	43790	No
86	GOM_NL__2PRFIN20100716_071638_000000412091_00149_43790_2797.N1	16-JUL-2010 07:16:38	Bright	41.000	35	33Alp Per	1.7950	6250.0	82	43790	No
87	GOM_NL__2PRFIN20100716_071935_000000482091_00149_43790_2798.N1	16-JUL-2010 07:19:35	Bright	47.500	79	26Bet Per	2.3100	13100.	95	43790	No
88	GOM_NL__2PRFIN20100716_072228_000000452091_00149_43790_2799.N1	16-JUL-2010 07:22:28	Tw_i_and_stray	44.500	150	44Zet Per	2.8900	28000.	89	43790	No
89	GOM_NL__2PRFIN20100716_072502_000000402091_00149_43790_2800.N1	16-JUL-2010 07:25:02	Twilight	40.000	146	25Eta Tau	2.8730	15200.	80	43790	No
90	GOM_NL__2PRFIN20100716_072636_000000432091_00149_43790_2801.N1	16-JUL-2010 07:26:36	Twilight	42.500	13	87Alp Tau	0.86700	3800.0	85	43790	No
91	GOM_NL__2PRFIN20100716_073259_000000602091_00149_43790_2802.N1	16-JUL-2010 07:32:59	Dark	59.500	94	92Alp Cet	2.5260	3100.0	119	43790	No
92	GOM_NL__2PRFIN20100716_073602_000000492091_00149_43790_2803.N1	16-JUL-2010 07:36:02	Dark	48.500	165	34Gam Eri	2.9500	3200.0	97	43790	No
93	GOM_NL__2PRFIN20100716_074502_000000402091_00149_43790_2804.N1	16-JUL-2010 07:45:02	Dark	40.000	157	The1Eri	2.9060	9300.0	80	43790	No
94	GOM_NL__2PRFIN20100716_075110_000000432091_00150_43791_2806.N1	16-JUL-2010 07:51:10	Dark	43.000	9	Alp Eri	0.45300	24000.	86	43791	No
95	GOM_NL__2PRFIN20100716_075409_000000582091_00150_43791_2807.N1	16-JUL-2010 07:54:09	Dark	57.500	84	Alp Phe	2.3970	4500.0	115	43791	No
96	GOM_NL__2PRFIN20100716_075956_000000672091_00150_43791_2808.N1	16-JUL-2010 07:59:56	Straylight	66.500	63	Bet Gru	2.1500	2800.0	133	43791	No
97	GOM_NL__2PRFIN20100716_080132_000000462091_00150_43791_2809.N1	16-JUL-2010 08:01:32	Straylight	45.500	31	Alp Gru	1.7340	15200.	91	43791	No
98	GOM_NL__2PRFIN20100716_080445_000000522091_00150_43791_2810.N1	16-JUL-2010 08:04:45	Straylight	51.500	172	Gam Gru	3.0030	13100.	103	43791	No
99	GOM_NL__2PRFIN20100716_081353_000000392091_00150_43791_2811.N1	16-JUL-2010 08:13:53	Bright	38.500	155	41Pi Sgr	2.9000	6600.0	77	43791	No
100	GOM_NL__2PRFIN20100716_082432_000000392091_00150_43791_2812.N1	16-JUL-2010 08:24:32	Bright	39.000	168	17Zet Aql	2.9860	11000.	78	43791	No
101	GOM_NL__2PRFIN20100716_083136_000000382091_00150_43791_2813.N1	16-JUL-2010 08:31:36	Bright	38.000	5	3Alp Lyr	0.033000	11000.	76	43791	No

102	GOM_NL__2PRFIN20100716_083449_000000432091_00150_43791_2814.N1	16-JUL-2010 08:34:49	Bright	43.000	144	18Del Cyg	2.8600	11000.	86	43791	No
103	GOM_NL__2PRFIN20100716_083709_000000282091_00150_43791_2815.N1	16-JUL-2010 08:37:09	Twilight	28.000	19	50Alp Cyg	1.2460	10500.	56	43791	No
104	GOM_NL__2PRFIN20100716_084200_000000412091_00150_43791_2816.N1	16-JUL-2010 08:42:00	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	43791	No
105	GOM_NL__2PRFIN20100716_085051_000000482091_00150_43791_2817.N1	16-JUL-2010 08:50:51	Bright	47.500	76	27Gam Cas	2.3000	30000.	95	43791	No
106	GOM_NL__2PRFIN20100716_085553_000000442091_00150_43791_2818.N1	16-JUL-2010 08:55:53	Bright	43.500	160	23Gam Per	2.9300	4700.0	87	43791	No
107	GOM_NL__2PRFIN20100716_085714_000000432091_00150_43791_2819.N1	16-JUL-2010 08:57:14	Bright	42.500	35	33Alp Per	1.7950	6250.0	85	43791	No
108	GOM_NL__2PRFIN20100716_090011_000000482091_00150_43791_2820.N1	16-JUL-2010 09:00:11	Bright	48.000	79	26Bet Per	2.3100	13100.	96	43791	No
109	GOM_NL__2PRFIN20100716_090304_000000472091_00150_43791_2821.N1	16-JUL-2010 09:03:04	Twilight	46.500	150	44Zet Per	2.8900	28000.	93	43791	No
110	GOM_NL__2PRFIN20100716_090538_000000452091_00150_43791_2822.N1	16-JUL-2010 09:05:38	Twilight	44.500	146	25Eta Tau	2.8730	15200.	89	43791	No
111	GOM_NL__2PRFIN20100716_090713_000000372091_00150_43791_2823.N1	16-JUL-2010 09:07:13	Twilight	37.000	13	87Alp Tau	0.86700	3800.0	74	43791	No
112	GOM_NL__2PRFIN20100716_091336_000000602091_00150_43791_2824.N1	16-JUL-2010 09:13:36	Dark	60.000	94	92Alp Cet	2.5260	3100.0	120	43791	No
113	GOM_NL__2PRFIN20100716_091639_000000492091_00150_43791_2825.N1	16-JUL-2010 09:16:39	Dark	48.500	165	34Gam Eri	2.9500	3200.0	97	43791	No
114	GOM_NL__2PRFIN20100716_092538_000000432091_00150_43791_2826.N1	16-JUL-2010 09:25:38	Dark	42.500	157	The1Eri	2.9060	9300.0	85	43791	No
115	GOM_NL__2PRFIN20100716_093147_000000472091_00151_43792_2844.N1	16-JUL-2010 09:31:47	Dark	47.000	9	Alp Eri	0.45300	24000.	94	43792	No
116	GOM_NL__2PRFIN20100716_093446_000000532091_00151_43792_2845.N1	16-JUL-2010 09:34:46	Dark	52.500	84	Alp Phe	2.3970	4500.0	105	43792	No
117	GOM_NL__2PRFIN20100716_094033_000000642091_00151_43792_2846.N1	16-JUL-2010 09:40:33	Straylight	63.500	63	Bet Gru	2.1500	2800.0	127	43792	No
118	GOM_NL__2PRFIN20100716_094208_000000562091_00151_43792_2847.N1	16-JUL-2010 09:42:08	Straylight	56.000	31	Alp Gru	1.7340	15200.	112	43792	No
119	GOM_NL__2PRFIN20100716_094521_000000532091_00151_43792_2848.N1	16-JUL-2010 09:45:21	Straylight	52.500	172	Gam Gru	3.0030	13100.	105	43792	No
120	GOM_NL__2PRFIN20100716_095429_000000392091_00151_43792_2849.N1	16-JUL-2010 09:54:29	Bright	38.500	155	41Pi Sgr	2.9000	6600.0	77	43792	No
121	GOM_NL__2PRFIN20100716_100507_000000392091_00151_43792_2850.N1	16-JUL-2010 10:05:07	Bright	39.000	168	17Zet Aql	2.9860	11000.	78	43792	No
122	GOM_NL__2PRFIN20100716_101211_000000432091_00151_43792_2851.N1	16-JUL-2010 10:12:11	Bright	43.000	5	3Alp Lyr	0.033000	11000.	86	43792	No
123	GOM_NL__2PRFIN20100716_101524_000000442091_00151_43792_2852.N1	16-JUL-2010 10:15:24	Bright	43.500	144	18Del Cyg	2.8600	11000.	87	43792	No
124	GOM_NL__2PRFIN20100716_101744_000000322091_00151_43792_2853.N1	16-JUL-2010 10:17:44	Twilight	32.000	19	50Alp Cyg	1.2460	10500.	64	43792	No
125	GOM_NL__2PRFIN20100716_102236_000000432091_00151_43792_2854.N1	16-JUL-2010 10:22:36	Bright	42.500	89	5Alp Cep	2.4510	8000.0	85	43792	No
126	GOM_NL__2PRFIN20100716_103126_000000482091_00151_43792_2855.N1	16-JUL-2010 10:31:26	Bright	48.000	76	27Gam Cas	2.3000	30000.	96	43792	No
127	GOM_NL__2PRFIN20100716_103628_000000422091_00151_43792_2856.N1	16-JUL-2010 10:36:28	Bright	41.500	160	23Gam Per	2.9300	4700.0	83	43792	No
128	GOM_NL__2PRFIN20100716_103749_000000442091_00151_43792_2857.N1	16-JUL-2010 10:37:49	Bright	44.000	35	33Alp Per	1.7950	6250.0	88	43792	No
129	GOM_NL__2PRFIN20100716_104046_000000482091_00151_43792_2858.N1	16-JUL-2010 10:40:46	Bright	48.000	79	26Bet Per	2.3100	13100.	96	43792	No
130	GOM_NL__2PRFIN20100716_104340_000000462091_00151_43792_2859.N1	16-JUL-2010 10:43:40	Twilight	45.500	150	44Zet Per	2.8900	28000.	91	43792	No
131	GOM_NL__2PRFIN20100716_104614_000000452091_00151_43792_2860.N1	16-JUL-2010 10:46:14	Twilight	45.000	146	25Eta Tau	2.8730	15200.	90	43792	No
132	GOM_NL__2PRFIN20100716_104749_000000372091_00151_43792_2861.N1	16-JUL-2010 10:47:49	Twilight	37.000	13	87Alp Tau	0.86700	3800.0	74	43792	No
133	GOM_NL__2PRFIN20100716_105413_000000582091_00151_43792_2862.N1	16-JUL-2010 10:54:13	Dark	57.500	94	92Alp Cet	2.5260	3100.0	115	43792	No
134	GOM_NL__2PRFIN20100716_105715_000000462091_00151_43792_2863.N1	16-JUL-2010 10:57:15	Dark	46.000	165	34Gam Eri	2.9500	3200.0	92	43792	No
135	GOM_NL__2PRFIN20100716_110615_000000432091_00151_43792_2864.N1	16-JUL-2010 11:06:15	Dark	42.500	157	The1Eri	2.9060	9300.0	85	43792	No
136	GOM_NL__2PRFIN20100716_111223_000000432091_00152_43793_4426.N1	16-JUL-2010 11:12:23	Dark	42.500	9	Alp Eri	0.45300	24000.	85	43793	No
137	GOM_NL__2PRFIN20100716_111523_000000502091_00152_43793_4427.N1	16-JUL-2010 11:15:23	Dark	50.000	84	Alp Phe	2.3970	4500.0	100	43793	No
138	GOM_NL__2PRFIN20100716_112110_000000632091_00152_43793_4428.N1	16-JUL-2010 11:21:10	Straylight	63.000	63	Bet Gru	2.1500	2800.0	126	43793	No
139	GOM_NL__2PRFIN20100716_112245_000000502091_00152_43793_4429.N1	16-JUL-2010 11:22:45	Straylight	49.500	31	Alp Gru	1.7340	15200.	99	43793	No
140	GOM_NL__2PRFIN20100716_112558_000000532091_00152_43793_4430.N1	16-JUL-2010 11:25:58	Straylight	53.000	172	Gam Gru	3.0030	13100.	106	43793	No
141	GOM_NL__2PRFIN20100716_113505_000000402091_00152_43793_4431.N1	16-JUL-2010 11:35:05	Bright	40.000	155	41Pi Sgr	2.9000	6600.0	80	43793	No
142	GOM_NL__2PRFIN20100716_114543_000000382091_00152_43793_4432.N1	16-JUL-2010 11:45:43	Bright	37.500	168	17Zet Aql	2.9860	11000.	75	43793	No
143	GOM_NL__2PRFIN20100716_115247_000000372091_00152_43793_4433.N1	16-JUL-2010 11:52:47	Bright	36.500	5	3Alp Lyr	0.033000	11000.	73	43793	No
144	GOM_NL__2PRFIN20100716_115600_000000432091_00152_43793_4434.N1	16-JUL-2010 11:56:00	Bright	43.000	144	18Del Cyg	2.8600	11000.	86	43793	No
145	GOM_NL__2PRFIN20100716_115819_000000322091_00152_43793_4435.N1	16-JUL-2010 11:58:19	Twilight	32.000	19	50Alp Cyg	1.2460	10500.	64	43793	No
146	GOM_NL__2PRFIN20100716_120311_000000462091_00152_43793_4436.N1	16-JUL-2010 12:03:11	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	43793	No
147	GOM_NL__2PRFIN20100716_121201_000000462091_00152_43793_4437.N1	16-JUL-2010 12:12:01	Bright	45.500	76	27Gam Cas	2.3000	30000.	91	43793	No
148	GOM_NL__2PRFIN20100716_121704_000000432091_00152_43793_4438.N1	16-JUL-2010 12:17:04	Bright	43.000	160	23Gam Per	2.9300	4700.0	86	43793	No
149	GOM_NL__2PRFIN20100716_121825_000000442091_00152_43793_4439.N1	16-JUL-2010 12:18:25	Bright	43.500	35	33Alp Per	1.7950	6250.0	87	43793	No
150	GOM_NL__2PRFIN20100716_122122_000000452091_00152_43793_4440.N1	16-JUL-2010 12:21:22	Bright	44.500	79	26Bet Per	2.3100	13100.	89	43793	No
151	GOM_NL__2PRFIN20100716_122416_000000462091_00152_43793_4441.N1	16-JUL-2010 12:24:16	Twilight	46.000	150	44Zet Per	2.8900	28000.	92	43793	No
152	GOM_NL__2PRFIN20100716_122651_000000472091_00152_43793_4442.N1	16-JUL-2010 12:26:51	Twilight	47.000	146	25Eta Tau	2.8730	15200.	94	43793	No
153	GOM_NL__2PRFIN20100716_122825_000000502091_00152_43793_4443.N1	16-JUL-2010 12:28:25	Twilight	50.000	13	87Alp Tau	0.86700	3800.0	100	43793	No
154	GOM_NL__2PRFIN20100716_123449_000000572091_00152_43793_4444.N1	16-JUL-2010 12:34:49	Dark	56.500	94	92Alp Cet	2.5260	3100.0	113	43793	No
155	GOM_NL__2PRFIN20100716_123752_000000472091_00152_43793_4445.N1	16-JUL-2010 12:37:52	Dark	46.500	165	34Gam Eri	2.9500	3200.0	93	43793	No
156	GOM_NL__2PRFIN20100716_124652_000000412091_00152_43793_4446.N1	16-JUL-2010 12:46:52	Dark	41.000	157	The1Eri	2.9060	9300.0	82	43793	No
157	GOM_NL__2PRFIN20100716_125300_000000542091_00153_43794_4431.N1	16-JUL-2010 12:53:00	Dark	53.500	9	Alp Eri	0.45300	24000.	107	43794	No
158	GOM_NL__2PRFIN20100716_125600_000000532091_00153_43794_4432.N1	16-JUL-2010 12:56:00	Dark	52.500	84	Alp Phe	2.3970	4500.0	105	43794	No
159	GOM_NL__2PRFIN20100716_130146_000000532091_00153_43794_4433.N1	16-JUL-2010 13:01:46	Straylight	52.500	63	Bet Gru	2.1500	2800.0	105	43794	No
160	GOM_NL__2PRFIN20100716_130322_000000502091_00153_43794_4434.N1	16-JUL-2010 13:03:22	Straylight	49.500	31	Alp Gru	1.7340	15200.	99	43794	No

161	GOM_NL__2PRFIN20100716_130635_000000512091_00153_43794_4435.N1	16-JUL-2010 13:06:35	Straylight	51.000	172	Gam Gru	3.0030	13100.	102	43794	No
162	GOM_NL__2PRFIN20100716_131541_000000402091_00153_43794_4436.N1	16-JUL-2010 13:15:41	Bright	39.500	155	41Pi Sgr	2.9000	6600.0	79	43794	No
163	GOM_NL__2PRFIN20100716_132619_000000402091_00153_43794_4437.N1	16-JUL-2010 13:26:19	Bright	40.000	168	17Zet Aql	2.9860	11000.	80	43794	No
164	GOM_NL__2PRFIN20100716_133322_000000412091_00153_43794_4438.N1	16-JUL-2010 13:33:22	Bright	41.000	5	3Alp Lyr	0.033000	11000.	82	43794	No
165	GOM_NL__2PRFIN20100716_133635_000000432091_00153_43794_4439.N1	16-JUL-2010 13:36:35	Bright	43.000	144	18Del Cyg	2.8600	11000.	86	43794	No
166	GOM_NL__2PRFIN20100716_133854_000000372091_00153_43794_4440.N1	16-JUL-2010 13:38:54	Bright	37.000	19	50Alp Cyg	1.2460	10500.	74	43794	No
167	GOM_NL__2PRFIN20100716_134346_000000402091_00153_43794_4441.N1	16-JUL-2010 13:43:46	Bright	40.000	89	5Alp Cep	2.4510	8000.0	80	43794	No
168	GOM_NL__2PRFIN20100716_135237_000000522091_00153_43794_4442.N1	16-JUL-2010 13:52:37	Bright	52.000	76	27Gam Cas	2.3000	30000.	104	43794	No
169	GOM_NL__2PRFIN20100716_135740_000000442091_00153_43794_4443.N1	16-JUL-2010 13:57:40	Bright	43.500	160	23Gam Per	2.9300	4700.0	87	43794	No
170	GOM_NL__2PRFIN20100716_135901_000000412091_00153_43794_4444.N1	16-JUL-2010 13:59:01	Bright	40.500	35	33Alp Per	1.7950	6250.0	81	43794	No
171	GOM_NL__2PRFIN20100716_140158_000000482091_00153_43794_4445.N1	16-JUL-2010 14:01:58	Bright	48.000	79	26Bet Per	2.3100	13100.	96	43794	No
172	GOM_NL__2PRFIN20100716_140452_000000452091_00153_43794_4446.N1	16-JUL-2010 14:04:52	Twilight	44.500	150	44Zet Per	2.8900	28000.	89	43794	No
173	GOM_NL__2PRFIN20100716_140727_000000462091_00153_43794_4447.N1	16-JUL-2010 14:07:27	Twilight	46.000	146	25Eta Tau	2.8730	15200.	92	43794	No
174	GOM_NL__2PRFIN20100716_140901_000000492091_00153_43794_4448.N1	16-JUL-2010 14:09:01	Twilight	48.500	13	87Alp Tau	0.86700	3800.0	97	43794	No
175	GOM_NL__2PRFIN20100716_141526_000000552091_00153_43794_4449.N1	16-JUL-2010 14:15:26	Dark	55.000	94	92Alp Cet	2.5260	3100.0	110	43794	No
176	GOM_NL__2PRFIN20100716_141828_000000472091_00153_43794_4450.N1	16-JUL-2010 14:18:28	Dark	46.500	165	34Gam Eri	2.9500	3200.0	93	43794	No
177	GOM_NL__2PRFIN20100716_142728_000000462091_00153_43794_4451.N1	16-JUL-2010 14:27:28	Dark	46.000	157	The1Eri	2.9060	9300.0	92	43794	No
178	GOM_NL__2PRFIN20100716_143336_000000492091_00154_43795_2960.N1	16-JUL-2010 14:33:36	Dark	48.500	9	Alp Eri	0.45300	24000.	97	43795	No
179	GOM_NL__2PRFIN20100716_143637_000000582091_00154_43795_2961.N1	16-JUL-2010 14:36:37	Dark	58.000	84	Alp Phe	2.3970	4500.0	116	43795	No
180	GOM_NL__2PRFIN20100716_144223_000000522091_00154_43795_2962.N1	16-JUL-2010 14:42:23	Straylight	52.000	63	Bet Gru	2.1500	2800.0	104	43795	No
181	GOM_NL__2PRFIN20100716_144359_000000502091_00154_43795_2963.N1	16-JUL-2010 14:43:59	Straylight	50.000	31	Alp Gru	1.7340	15200.	100	43795	No
182	GOM_NL__2PRFIN20100716_144711_000000502091_00154_43795_2964.N1	16-JUL-2010 14:47:11	Straylight	50.000	172	Gam Gru	3.0030	13100.	100	43795	No
183	GOM_NL__2PRFIN20100716_145617_000000412091_00154_43795_2965.N1	16-JUL-2010 14:56:17	Bright	40.500	155	41Pi Sgr	2.9000	6600.0	81	43795	No
184	GOM_NL__2PRFIN20100716_150654_000000392091_00154_43795_2966.N1	16-JUL-2010 15:06:54	Bright	38.500	168	17Zet Aql	2.9860	11000.	77	43795	No
185	GOM_NL__2PRFIN20100716_151358_000000402091_00154_43795_2967.N1	16-JUL-2010 15:13:58	Bright	39.500	5	3Alp Lyr	0.033000	11000.	79	43795	No
186	GOM_NL__2PRFIN20100716_151711_000000412091_00154_43795_2968.N1	16-JUL-2010 15:17:11	Bright	40.500	144	18Del Cyg	2.8600	11000.	81	43795	No
187	GOM_NL__2PRFIN20100716_151929_000000372091_00154_43795_2969.N1	16-JUL-2010 15:19:29	Bright	37.000	19	50Alp Cyg	1.2460	10500.	74	43795	No
188	GOM_NL__2PRFIN20100716_152422_000000432091_00154_43795_2970.N1	16-JUL-2010 15:24:22	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	43795	No
189	GOM_NL__2PRFIN20100716_153312_000000472091_00154_43795_2971.N1	16-JUL-2010 15:33:12	Bright	47.000	76	27Gam Cas	2.3000	30000.	94	43795	No
190	GOM_NL__2PRFIN20100716_153816_000000422091_00154_43795_2972.N1	16-JUL-2010 15:38:16	Bright	42.000	160	23Gam Per	2.9300	4700.0	84	43795	No
191	GOM_NL__2PRFIN20100716_153937_000000432091_00154_43795_2973.N1	16-JUL-2010 15:39:37	Bright	43.000	35	33Alp Per	1.7950	6250.0	86	43795	No
192	GOM_NL__2PRFIN20100716_154234_000000532091_00154_43795_2974.N1	16-JUL-2010 15:42:34	Bright	52.500	79	26Bet Per	2.3100	13100.	105	43795	No
193	GOM_NL__2PRFIN20100716_154528_000000462091_00154_43795_2975.N1	16-JUL-2010 15:45:28	Twilight	46.000	150	44Zet Per	2.8900	28000.	92	43795	No
194	GOM_NL__2PRFIN20100716_154803_000000462091_00154_43795_2976.N1	16-JUL-2010 15:48:03	Twilight	46.000	146	25Eta Tau	2.8730	15200.	92	43795	No
195	GOM_NL__2PRFIN20100716_154938_000000512091_00154_43795_2977.N1	16-JUL-2010 15:49:38	Twilight	51.000	13	87Alp Tau	0.86700	3800.0	102	43795	No
196	GOM_NL__2PRFIN20100716_155603_000000592091_00154_43795_2978.N1	16-JUL-2010 15:56:03	Dark	59.000	94	92Alp Cet	2.5260	3100.0	118	43795	No
197	GOM_NL__2PRFIN20100716_155904_000000512091_00154_43795_2979.N1	16-JUL-2010 15:59:04	Dark	50.500	165	34Gam Eri	2.9500	3200.0	101	43795	No
198	GOM_NL__2PRFIN20100716_160805_000000422091_00154_43795_2980.N1	16-JUL-2010 16:08:05	Dark	41.500	157	The1Eri	2.9060	9300.0	83	43795	No
199	GOM_NL__2PRFIN20100716_161413_000000432091_00155_43796_2984.N1	16-JUL-2010 16:14:13	Dark	43.000	9	Alp Eri	0.45300	24000.	86	43796	No
200	GOM_NL__2PRFIN20100716_161714_000000532091_00155_43796_2985.N1	16-JUL-2010 16:17:14	Dark	52.500	84	Alp Phe	2.3970	4500.0	105	43796	No
201	GOM_NL__2PRFIN20100716_162300_000000492091_00155_43796_2986.N1	16-JUL-2010 16:23:00	Straylight	49.000	63	Bet Gru	2.1500	2800.0	98	43796	No
202	GOM_NL__2PRFIN20100716_162435_000000482091_00155_43796_2987.N1	16-JUL-2010 16:24:35	Straylight	48.000	31	Alp Gru	1.7340	15200.	96	43796	No
203	GOM_NL__2PRFIN20100716_162748_000000512091_00155_43796_2988.N1	16-JUL-2010 16:27:48	Straylight	50.500	172	Gam Gru	3.0030	13100.	101	43796	No
204	GOM_NL__2PRFIN20100716_163653_000000382091_00155_43796_2989.N1	16-JUL-2010 16:36:53	Bright	38.000	155	41Pi Sgr	2.9000	6600.0	76	43796	No
205	GOM_NL__2PRFIN20100716_164730_000000402091_00155_43796_2990.N1	16-JUL-2010 16:47:30	Bright	40.000	168	17Zet Aql	2.9860	11000.	80	43796	No
206	GOM_NL__2PRFIN20100716_165434_000000422091_00155_43796_2991.N1	16-JUL-2010 16:54:34	Bright	41.500	5	3Alp Lyr	0.033000	11000.	83	43796	No
207	GOM_NL__2PRFIN20100716_165746_000000432091_00155_43796_2992.N1	16-JUL-2010 16:57:46	Bright	43.000	144	18Del Cyg	2.8600	11000.	86	43796	No
208	GOM_NL__2PRFIN20100716_170005_000000422091_00155_43796_2993.N1	16-JUL-2010 17:00:05	Bright	42.000	19	50Alp Cyg	1.2460	10500.	84	43796	No
209	GOM_NL__2PRFIN20100716_170457_000000412091_00155_43796_2994.N1	16-JUL-2010 17:04:57	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	43796	No
210	GOM_NL__2PRFIN20100716_171347_000000502091_00155_43796_2995.N1	16-JUL-2010 17:13:47	Bright	49.500	76	27Gam Cas	2.3000	30000.	99	43796	No
211	GOM_NL__2PRFIN20100716_171852_000000432091_00155_43796_2996.N1	16-JUL-2010 17:18:52	Bright	42.500	160	23Gam Per	2.9300	4700.0	85	43796	No
212	GOM_NL__2PRFIN20100716_172013_000000422091_00155_43796_2997.N1	16-JUL-2010 17:20:13	Bright	42.000	35	33Alp Per	1.7950	6250.0	84	43796	No
213	GOM_NL__2PRFIN20100716_172310_000000502091_00155_43796_2998.N1	16-JUL-2010 17:23:10	Bright	50.000	79	26Bet Per	2.3100	13100.	100	43796	No
214	GOM_NL__2PRFIN20100716_172604_000000462091_00155_43796_2999.N1	16-JUL-2010 17:26:04	Twilight	46.000	150	44Zet Per	2.8900	28000.	92	43796	No
215	GOM_NL__2PRFIN20100716_172839_000000442091_00155_43796_3000.N1	16-JUL-2010 17:28:39	Twilight	44.000	146	25Eta Tau	2.8730	15200.	88	43796	No
216	GOM_NL__2PRFIN20100716_173014_000000542091_00155_43796_3001.N1	16-JUL-2010 17:30:14	Twilight	54.000	13	87Alp Tau	0.86700	3800.0	108	43796	No
217	GOM_NL__2PRFIN20100716_173639_000000602091_00155_43796_3002.N1	16-JUL-2010 17:36:39	Dark	59.500	94	92Alp Cet	2.5260	3100.0	119	43796	No
218	GOM_NL__2PRFIN20100716_173941_000000472091_00155_43796_3003.N1	16-JUL-2010 17:39:41	Dark	46.500	165	34Gam Eri	2.9500	3200.0	93	43796	No
219	GOM_NL__2PRFIN20100716_174842_000000422091_00155_43796_3004.N1	16-JUL-2010 17:48:42	Dark	42.000	157	The1Eri	2.9060	9300.0	84	43796	No

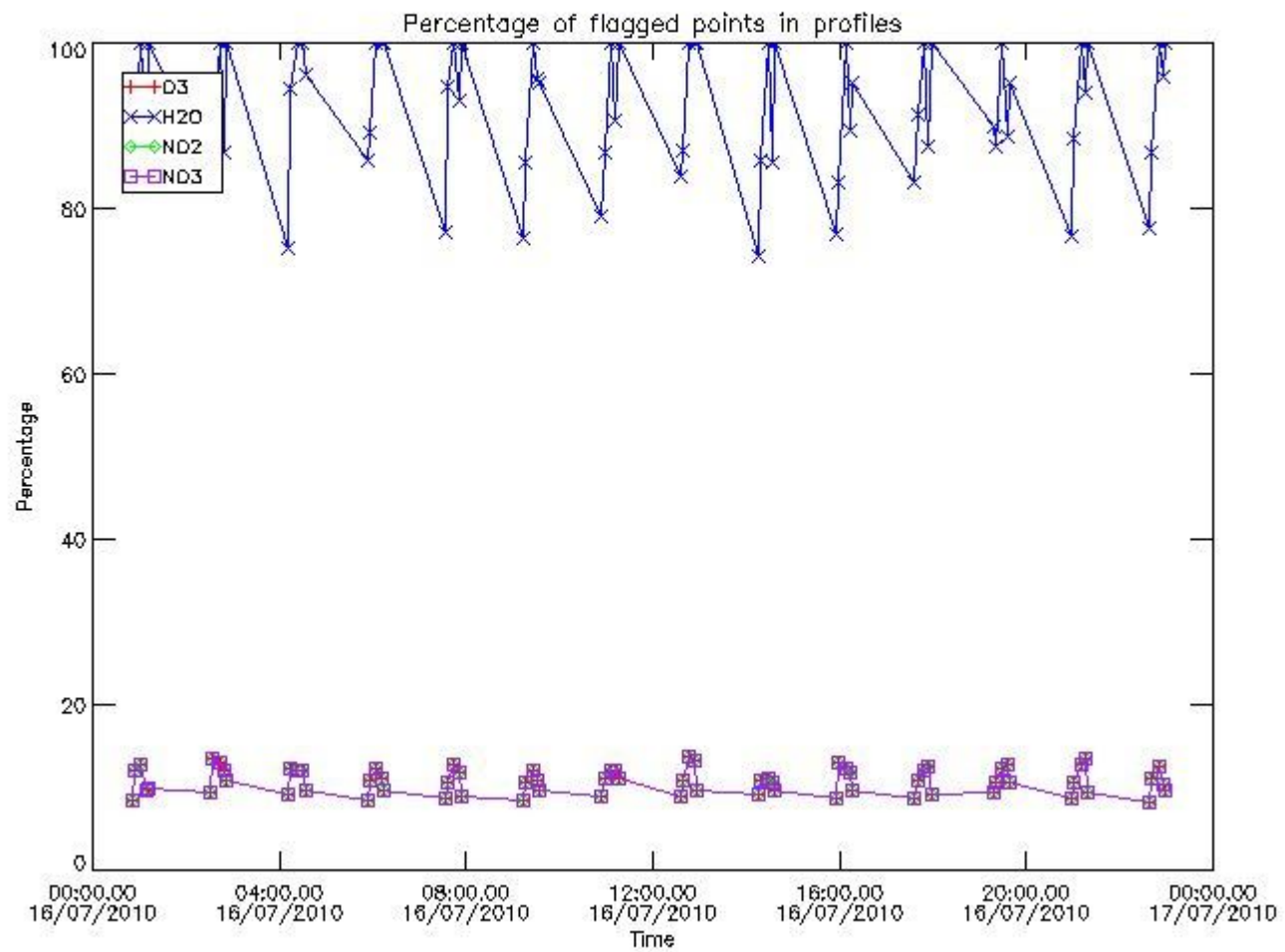
220	GOM_NL__2PRFIN20100716_175450_000000412091_00156_43797_3032.N1	16-JUL-2010 17:54:50	Dark	40.500	9	Alp Eri	0.45300	24000.	81	43797	No
221	GOM_NL__2PRFIN20100716_175752_000000552091_00156_43797_3033.N1	16-JUL-2010 17:57:52	Dark	55.000	84	Alp Phe	2.3970	4500.0	110	43797	No
222	GOM_NL__2PRFIN20100716_180337_000000502091_00156_43797_3034.N1	16-JUL-2010 18:03:37	Straylight	49.500	63	Bet Gru	2.1500	2800.0	99	43797	No
223	GOM_NL__2PRFIN20100716_180512_000000482091_00156_43797_3035.N1	16-JUL-2010 18:05:12	Straylight	47.500	31	Alp Gru	1.7340	15200.	95	43797	No
224	GOM_NL__2PRFIN20100716_180825_000000512091_00156_43797_3036.N1	16-JUL-2010 18:08:25	Straylight	50.500	172	Gam Gru	3.0030	13100.	101	43797	No
225	GOM_NL__2PRFIN20100716_181729_000000402091_00156_43797_3037.N1	16-JUL-2010 18:17:29	Bright	40.000	155	41Pi Sgr	2.9000	6600.0	80	43797	No
226	GOM_NL__2PRFIN20100716_182806_000000412091_00156_43797_3038.N1	16-JUL-2010 18:28:06	Bright	41.000	168	17Zet Aql	2.9860	11000.	82	43797	No
227	GOM_NL__2PRFIN20100716_183510_000000392091_00156_43797_3039.N1	16-JUL-2010 18:35:10	Bright	38.500	5	3Alp Lyr	0.033000	11000.	77	43797	No
228	GOM_NL__2PRFIN20100716_183822_000000422091_00156_43797_3040.N1	16-JUL-2010 18:38:22	Bright	42.000	144	18Del Cyg	2.8600	11000.	84	43797	No
229	GOM_NL__2PRFIN20100716_184040_000000422091_00156_43797_3041.N1	16-JUL-2010 18:40:40	Bright	42.000	19	50Alp Cyg	1.2460	10500.	84	43797	No
230	GOM_NL__2PRFIN20100716_184533_000000412091_00156_43797_3042.N1	16-JUL-2010 18:45:33	Bright	40.500	89	5Alp Cep	2.4510	8000.0	81	43797	No
231	GOM_NL__2PRFIN20100716_185423_000000512091_00156_43797_3043.N1	16-JUL-2010 18:54:23	Bright	50.500	76	27Gam Cas	2.3000	30000.	101	43797	No
232	GOM_NL__2PRFIN20100716_185927_000000422091_00156_43797_3044.N1	16-JUL-2010 18:59:27	Bright	41.500	160	23Gam Per	2.9300	4700.0	83	43797	No
233	GOM_NL__2PRFIN20100716_190049_000000422091_00156_43797_3045.N1	16-JUL-2010 19:00:49	Bright	42.000	35	33Alp Per	1.7950	6250.0	84	43797	No
234	GOM_NL__2PRFIN20100716_190346_000000472091_00156_43797_3046.N1	16-JUL-2010 19:03:46	Bright	47.000	79	26Bet Per	2.3100	13100.	94	43797	No
235	GOM_NL__2PRFIN20100716_190640_000000472091_00156_43797_3047.N1	16-JUL-2010 19:06:40	Twilight	46.500	150	44Zet Per	2.8900	28000.	93	43797	No
236	GOM_NL__2PRFIN20100716_190915_000000442091_00156_43797_3048.N1	16-JUL-2010 19:09:15	Twilight	44.000	146	25Eta Tau	2.8730	15200.	88	43797	No
237	GOM_NL__2PRFIN20100716_191050_000000542091_00156_43797_3049.N1	16-JUL-2010 19:10:50	Twilight	54.000	13	87Alp Tau	0.86700	3800.0	108	43797	No
238	GOM_NL__2PRFIN20100716_191716_000000652091_00156_43797_3050.N1	16-JUL-2010 19:17:16	Dark	64.500	94	92Alp Cet	2.5260	3100.0	129	43797	No
239	GOM_NL__2PRFIN20100716_192018_000000492091_00156_43797_3051.N1	16-JUL-2010 19:20:18	Dark	48.500	165	34Gam Eri	2.9500	3200.0	97	43797	No
240	GOM_NL__2PRFIN20100716_192918_000000422091_00156_43797_3052.N1	16-JUL-2010 19:29:18	Dark	41.500	157	The1Eri	2.9060	9300.0	83	43797	No
241	GOM_NL__2PRFIN20100716_193527_000000402091_00157_43798_3058.N1	16-JUL-2010 19:35:27	Dark	40.000	9	Alp Eri	0.45300	24000.	80	43798	No
242	GOM_NL__2PRFIN20100716_193829_000000532091_00157_43798_3059.N1	16-JUL-2010 19:38:29	Dark	52.500	84	Alp Phe	2.3970	4500.0	105	43798	No
243	GOM_NL__2PRFIN20100716_194414_000000522091_00157_43798_3060.N1	16-JUL-2010 19:44:14	Straylight	52.000	63	Bet Gru	2.1500	2800.0	104	43798	No
244	GOM_NL__2PRFIN20100716_194549_000000452091_00157_43798_3061.N1	16-JUL-2010 19:45:49	Straylight	44.500	31	Alp Gru	1.7340	15200.	89	43798	No
245	GOM_NL__2PRFIN20100716_194902_000000502091_00157_43798_3062.N1	16-JUL-2010 19:49:02	Straylight	50.000	172	Gam Gru	3.0030	13100.	100	43798	No
246	GOM_NL__2PRFIN20100716_195805_000000402091_00157_43798_3063.N1	16-JUL-2010 19:58:05	Bright	40.000	155	41Pi Sgr	2.9000	6600.0	80	43798	No
247	GOM_NL__2PRFIN20100716_200842_000000392091_00157_43798_3064.N1	16-JUL-2010 20:08:42	Bright	39.000	168	17Zet Aql	2.9860	11000.	78	43798	No
248	GOM_NL__2PRFIN20100716_201545_000000402091_00157_43798_3065.N1	16-JUL-2010 20:15:45	Bright	39.500	5	3Alp Lyr	0.033000	11000.	79	43798	No
249	GOM_NL__2PRFIN20100716_201857_000000412091_00157_43798_3066.N1	16-JUL-2010 20:18:57	Bright	40.500	144	18Del Cyg	2.8600	11000.	81	43798	No
250	GOM_NL__2PRFIN20100716_202115_000000472091_00157_43798_3067.N1	16-JUL-2010 20:21:15	Bright	47.000	19	50Alp Cyg	1.2460	10500.	94	43798	No
251	GOM_NL__2PRFIN20100716_202608_000000432091_00157_43798_3068.N1	16-JUL-2010 20:26:08	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	43798	No
252	GOM_NL__2PRFIN20100716_203458_000000482091_00157_43798_3069.N1	16-JUL-2010 20:34:58	Bright	48.000	76	27Gam Cas	2.3000	30000.	96	43798	No
253	GOM_NL__2PRFIN20100716_204003_000000442091_00157_43798_3070.N1	16-JUL-2010 20:40:03	Bright	43.500	160	23Gam Per	2.9300	4700.0	87	43798	No
254	GOM_NL__2PRFIN20100716_204124_000000432091_00157_43798_3071.N1	16-JUL-2010 20:41:24	Bright	42.500	35	33Alp Per	1.7950	6250.0	85	43798	No
255	GOM_NL__2PRFIN20100716_204422_000000442091_00157_43798_3072.N1	16-JUL-2010 20:44:22	Bright	44.000	79	26Bet Per	2.3100	13100.	88	43798	No
256	GOM_NL__2PRFIN20100716_204716_000000442091_00157_43798_3073.N1	16-JUL-2010 20:47:16	Twilight	43.500	150	44Zet Per	2.8900	28000.	87	43798	No
257	GOM_NL__2PRFIN20100716_204951_000000452091_00157_43798_3074.N1	16-JUL-2010 20:49:51	Twilight	45.000	146	25Eta Tau	2.8730	15200.	90	43798	No
258	GOM_NL__2PRFIN20100716_205126_000000542091_00157_43798_3075.N1	16-JUL-2010 20:51:26	Twilight	53.500	13	87Alp Tau	0.86700	3800.0	107	43798	No
259	GOM_NL__2PRFIN20100716_205753_000000592091_00157_43798_3076.N1	16-JUL-2010 20:57:53	Dark	58.500	94	92Alp Cet	2.5260	3100.0	117	43798	No
260	GOM_NL__2PRFIN20100716_210054_000000482091_00157_43798_3077.N1	16-JUL-2010 21:00:54	Dark	48.000	165	34Gam Eri	2.9500	3200.0	96	43798	No
261	GOM_NL__2PRFIN20100716_210955_000000402091_00157_43798_3078.N1	16-JUL-2010 21:09:55	Dark	40.000	157	The1Eri	2.9060	9300.0	80	43798	No
262	GOM_NL__2PRFIN20100716_211603_000000422091_00158_43799_3094.N1	16-JUL-2010 21:16:03	Dark	41.500	9	Alp Eri	0.45300	24000.	83	43799	No
263	GOM_NL__2PRFIN20100716_211906_000000542091_00158_43799_3095.N1	16-JUL-2010 21:19:06	Dark	54.000	84	Alp Phe	2.3970	4500.0	108	43799	No
264	GOM_NL__2PRFIN20100716_212450_000000622091_00158_43799_3096.N1	16-JUL-2010 21:24:50	Straylight	62.000	63	Bet Gru	2.1500	2800.0	124	43799	No
265	GOM_NL__2PRFIN20100716_212625_000000552091_00158_43799_3097.N1	16-JUL-2010 21:26:25	Straylight	55.000	31	Alp Gru	1.7340	15200.	110	43799	No
266	GOM_NL__2PRFIN20100716_212938_000000512091_00158_43799_3098.N1	16-JUL-2010 21:29:38	Straylight	50.500	172	Gam Gru	3.0030	13100.	101	43799	No
267	GOM_NL__2PRFIN20100716_213841_000000392091_00158_43799_3099.N1	16-JUL-2010 21:38:41	Bright	39.000	155	41Pi Sgr	2.9000	6600.0	78	43799	No
268	GOM_NL__2PRFIN20100716_214918_000000392091_00158_43799_3100.N1	16-JUL-2010 21:49:18	Bright	38.500	168	17Zet Aql	2.9860	11000.	77	43799	No
269	GOM_NL__2PRFIN20100716_215621_000000412091_00158_43799_3101.N1	16-JUL-2010 21:56:21	Bright	40.500	5	3Alp Lyr	0.033000	11000.	81	43799	No
270	GOM_NL__2PRFIN20100716_215932_000000412091_00158_43799_3102.N1	16-JUL-2010 21:59:32	Bright	41.000	144	18Del Cyg	2.8600	11000.	82	43799	No
271	GOM_NL__2PRFIN20100716_220150_000000472091_00158_43799_3103.N1	16-JUL-2010 22:01:50	Bright	47.000	19	50Alp Cyg	1.2460	10500.	94	43799	No
272	GOM_NL__2PRFIN20100716_220643_000000442091_00158_43799_3104.N1	16-JUL-2010 22:06:43	Bright	44.000	89	5Alp Cep	2.4510	8000.0	88	43799	No
273	GOM_NL__2PRFIN20100716_221533_000000502091_00158_43799_3105.N1	16-JUL-2010 22:15:33	Bright	49.500	76	27Gam Cas	2.3000	30000.	99	43799	No
274	GOM_NL__2PRFIN20100716_222039_000000412091_00158_43799_3106.N1	16-JUL-2010 22:20:39	Bright	41.000	160	23Gam Per	2.9300	4700.0	82	43799	No
275	GOM_NL__2PRFIN20100716_222200_000000442091_00158_43799_3107.N1	16-JUL-2010 22:22:00	Bright	43.500	35	33Alp Per	1.7950	6250.0	87	43799	No
276	GOM_NL__2PRFIN20100716_222458_000000472091_00158_43799_3108.N1	16-JUL-2010 22:24:58	Bright	47.000	79	26Bet Per	2.3100	13100.	94	43799	No
277	GOM_NL__2PRFIN20100716_222752_000000452091_00158_43799_3109.N1	16-JUL-2010 22:27:52	Twilight	44.500	150	44Zet Per	2.8900	28000.	89	43799	No
278	GOM_NL__2PRFIN20100716_223027_000000472091_00158_43799_3110.N1	16-JUL-2010 22:30:27	Twilight	46.500	146	25Eta Tau	2.8730	15200.	93	43799	No

279	GOM_NL__2PRFIN20100716_223202_000000502091_00158_43799_3111.N1	16-JUL-2010 22:32:02	Twilight	50.000	13	87Alp Tau	0.86700	3800.0	100	43799	No
280	GOM_NL__2PRFIN20100716_223829_000000632091_00158_43799_3112.N1	16-JUL-2010 22:38:29	Dark	63.000	94	92Alp Cet	2.5260	3100.0	126	43799	No
281	GOM_NL__2PRFIN20100716_224130_000000462091_00158_43799_3113.N1	16-JUL-2010 22:41:30	Dark	45.500	165	34Gam Eri	2.9500	3200.0	91	43799	No
282	GOM_NL__2PRFIN20100716_225031_000000412091_00158_43799_3114.N1	16-JUL-2010 22:50:31	Dark	41.000	157	The1Eri	2.9060	9300.0	82	43799	No
283	GOM_NL__2PRFIN20100716_225639_000000502091_00159_43800_3109.N1	16-JUL-2010 22:56:39	Dark	49.500	9	Alp Eri	0.45300	24000.	99	43800	No
284	GOM_NL__2PRFIN20100716_225942_000000582091_00159_43800_3110.N1	16-JUL-2010 22:59:42	Dark	58.000	84	Alp Phe	2.3970	4500.0	116	43800	No
285	GOM_NL__2PRFIN20100716_230527_000000622091_00159_43800_3111.N1	16-JUL-2010 23:05:27	Straylight	61.500	63	Bet Gru	2.1500	2800.0	123	43800	No
286	GOM_NL__2PRFIN20100716_230702_000000462091_00159_43800_3112.N1	16-JUL-2010 23:07:02	Straylight	45.500	31	Alp Gru	1.7340	15200.	91	43800	No
287	GOM_NL__2PRFIN20100716_231015_000000512091_00159_43800_3113.N1	16-JUL-2010 23:10:15	Straylight	51.000	172	Gam Gru	3.0030	13100.	102	43800	No
288	GOM_NL__2PRFIN20100716_231917_000000402091_00159_43800_3114.N1	16-JUL-2010 23:19:17	Bright	40.000	155	41Pi Sgr	2.9000	6600.0	80	43800	No
289	GOM_NL__2PRFIN20100716_233657_000000422091_00159_43800_3115.N1	16-JUL-2010 23:36:57	Bright	41.500	5	3Alp Lyr	0.033000	11000.	83	43800	No
290	GOM_NL__2PRFIN20100716_234008_000000422091_00159_43800_3116.N1	16-JUL-2010 23:40:08	Bright	42.000	144	18Del Cyg	2.8600	11000.	84	43800	No
291	GOM_NL__2PRFIN20100716_234225_000000472091_00159_43800_3117.N1	16-JUL-2010 23:42:25	Bright	46.500	19	50Alp Cyg	1.2460	10500.	93	43800	No
292	GOM_NL__2PRFIN20100716_234718_000000412091_00159_43800_3118.N1	16-JUL-2010 23:47:18	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	43800	No
293	GOM_NL__2PRFIN20100716_235609_000000492091_00159_43800_3119.N1	16-JUL-2010 23:56:09	Bright	48.500	76	27Gam Cas	2.3000	30000.	97	43800	No

3. Quality information per product

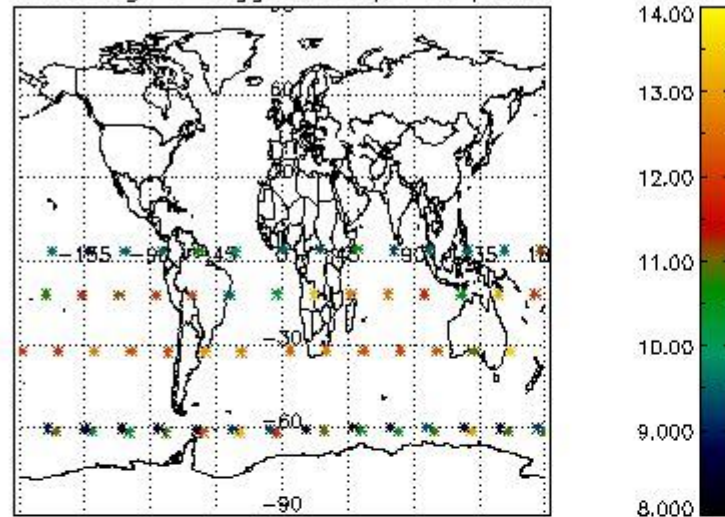
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

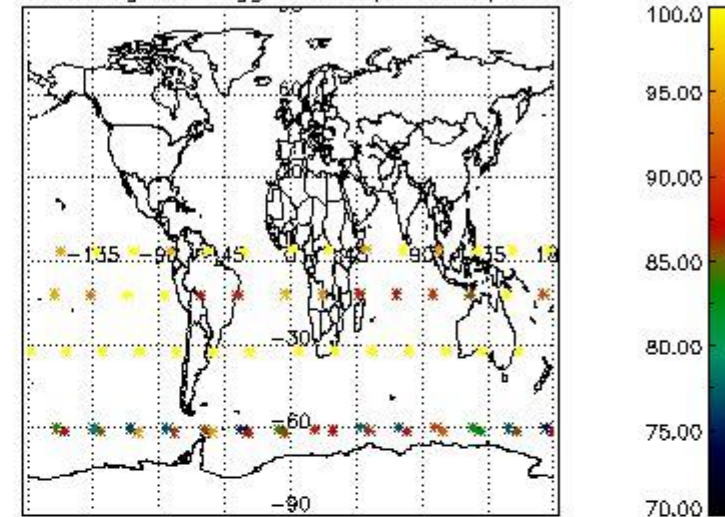


3.2 Plot quality information per product (world map)

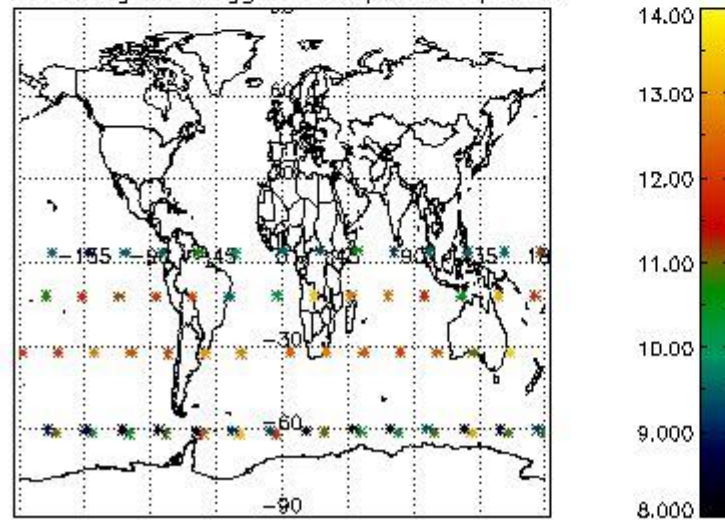
Percentage of flagged data per O3 profile



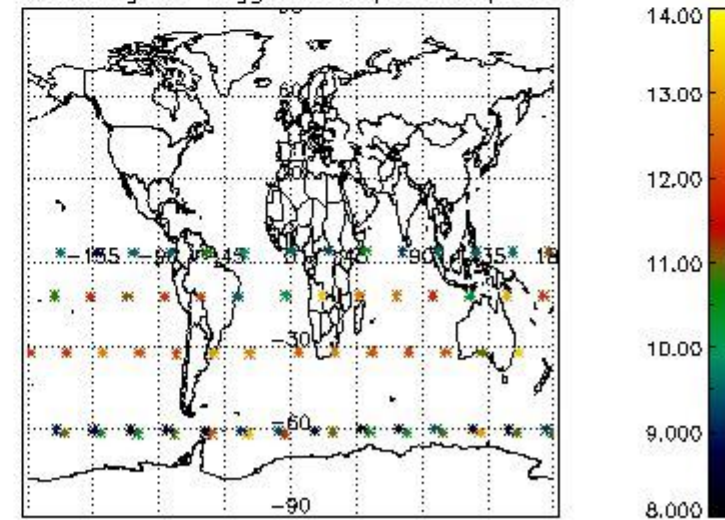
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

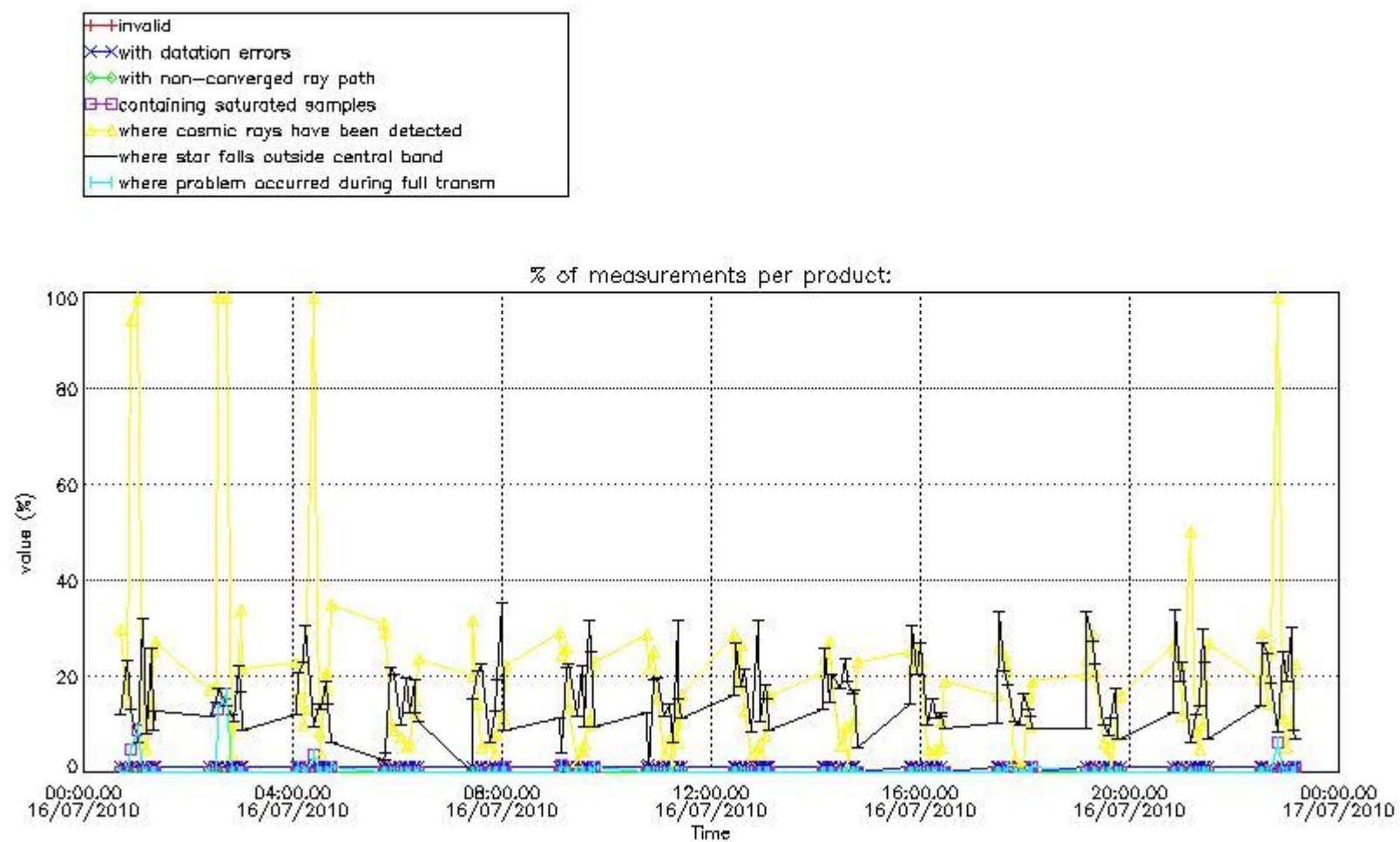


4. Level 1 quality information per product

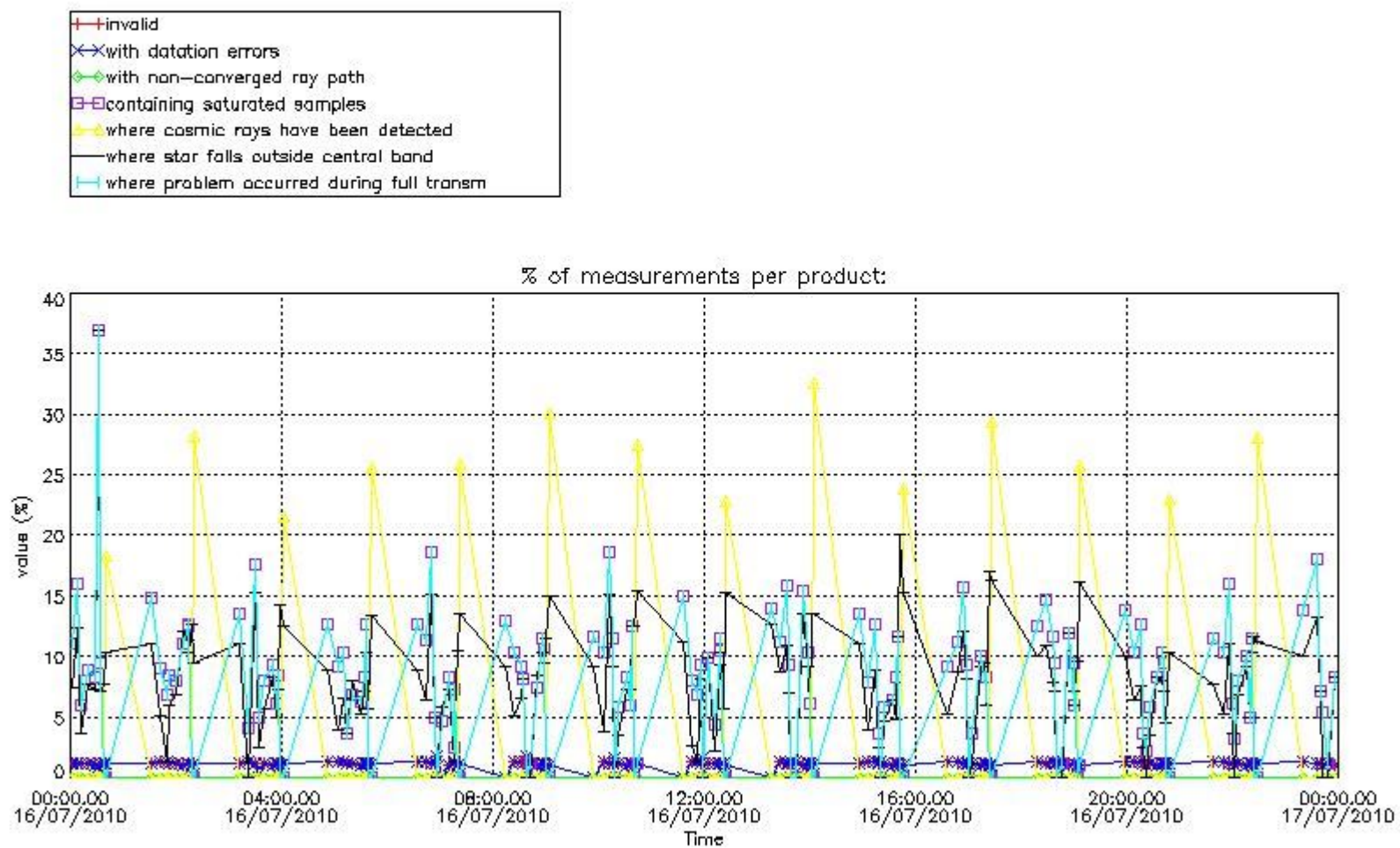
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



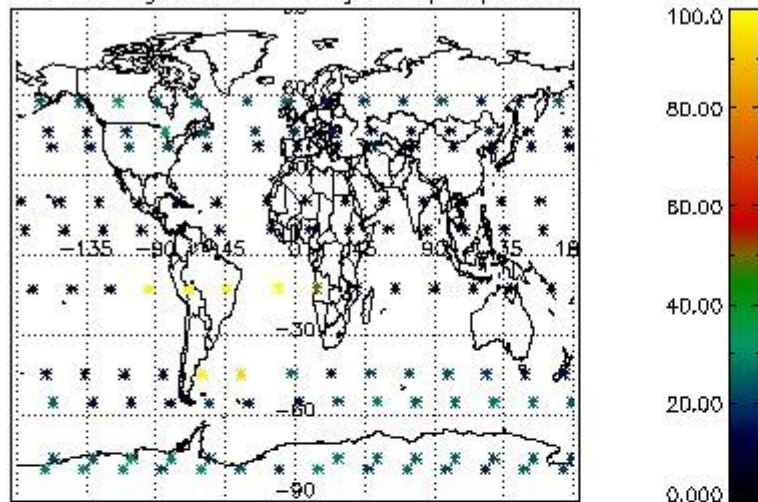
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



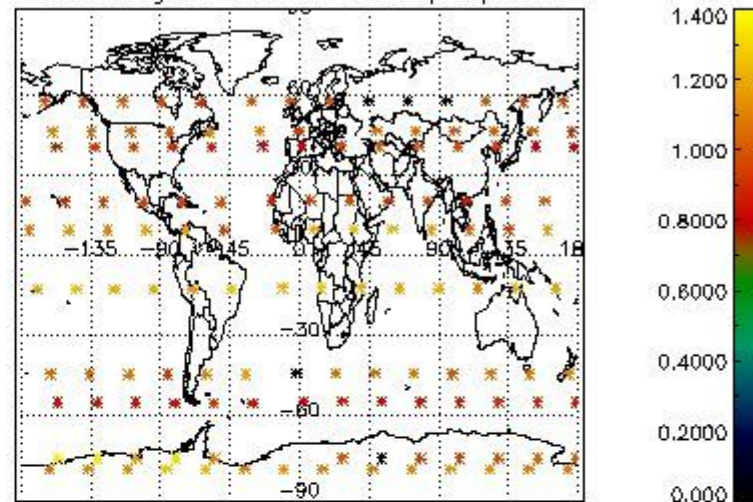
4.2 Plot quality information per product coming from level 1b processing (world map)

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

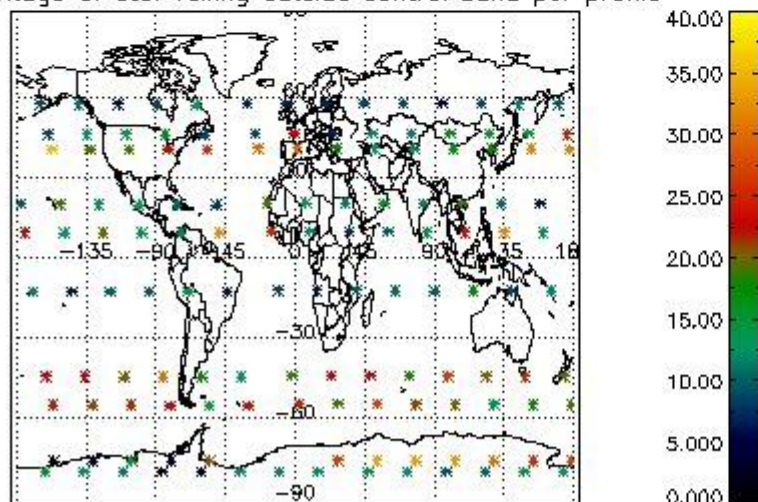
Percentage of cosmic ray hits per profile



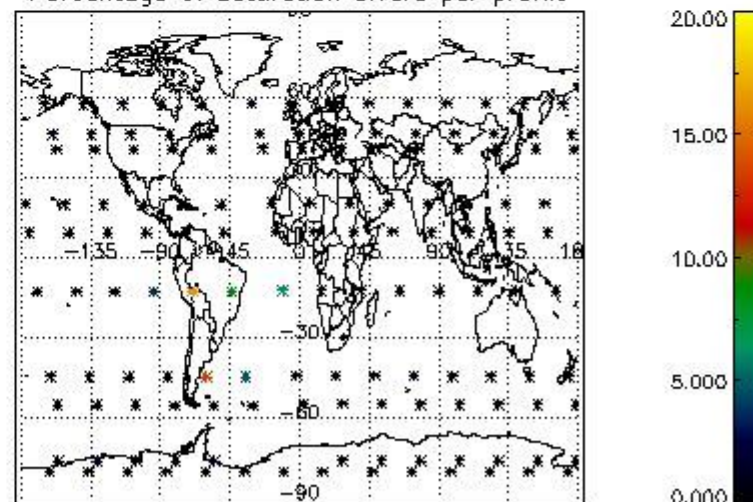
Percentage of datation errors per profile



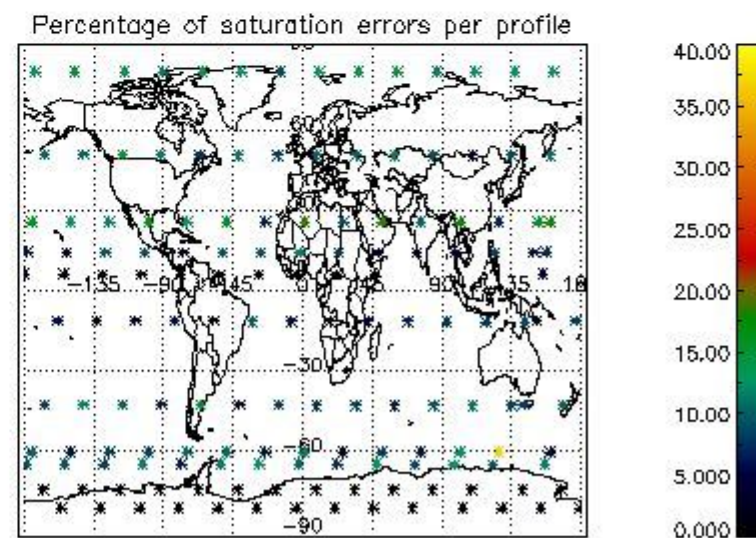
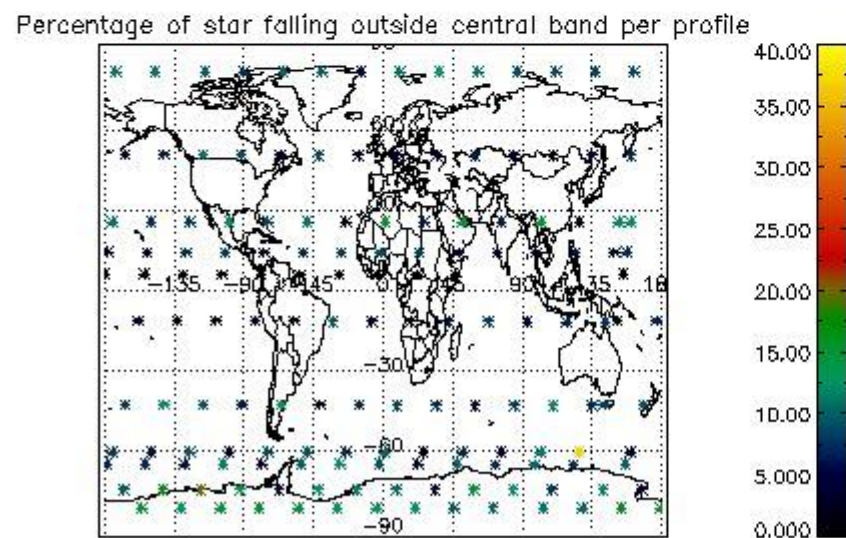
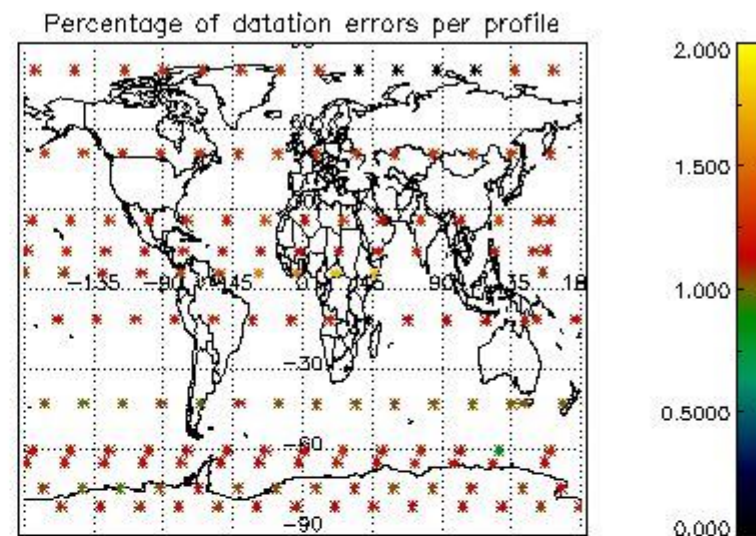
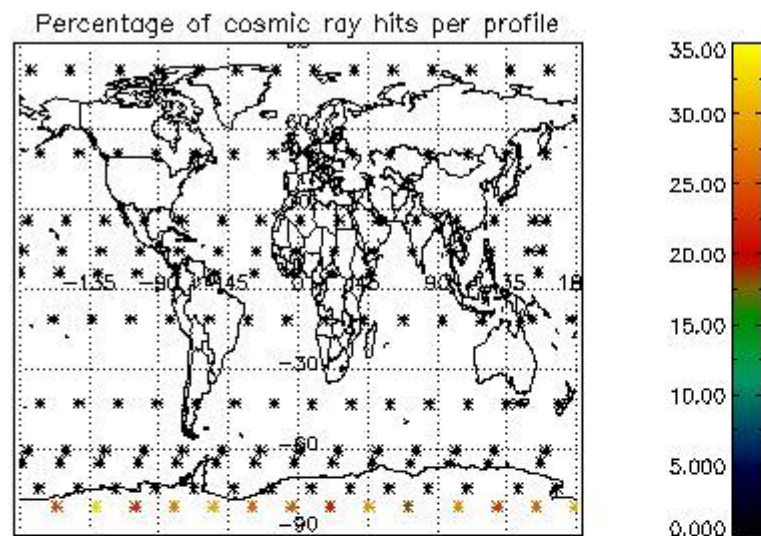
Percentage of star falling outside central band per profile



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

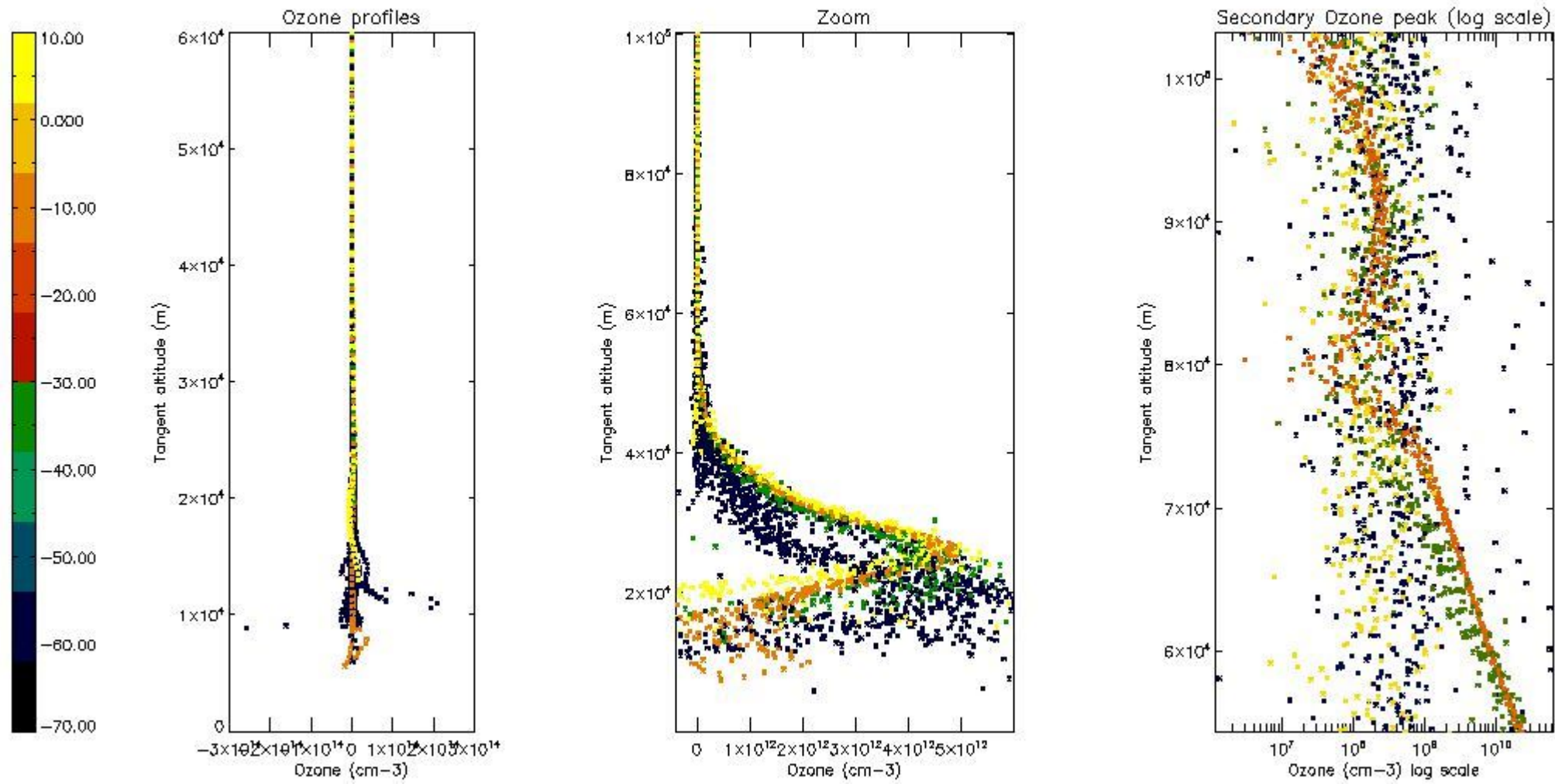
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	26
STD < 20	9

STD < 10	5
STD < 5	3

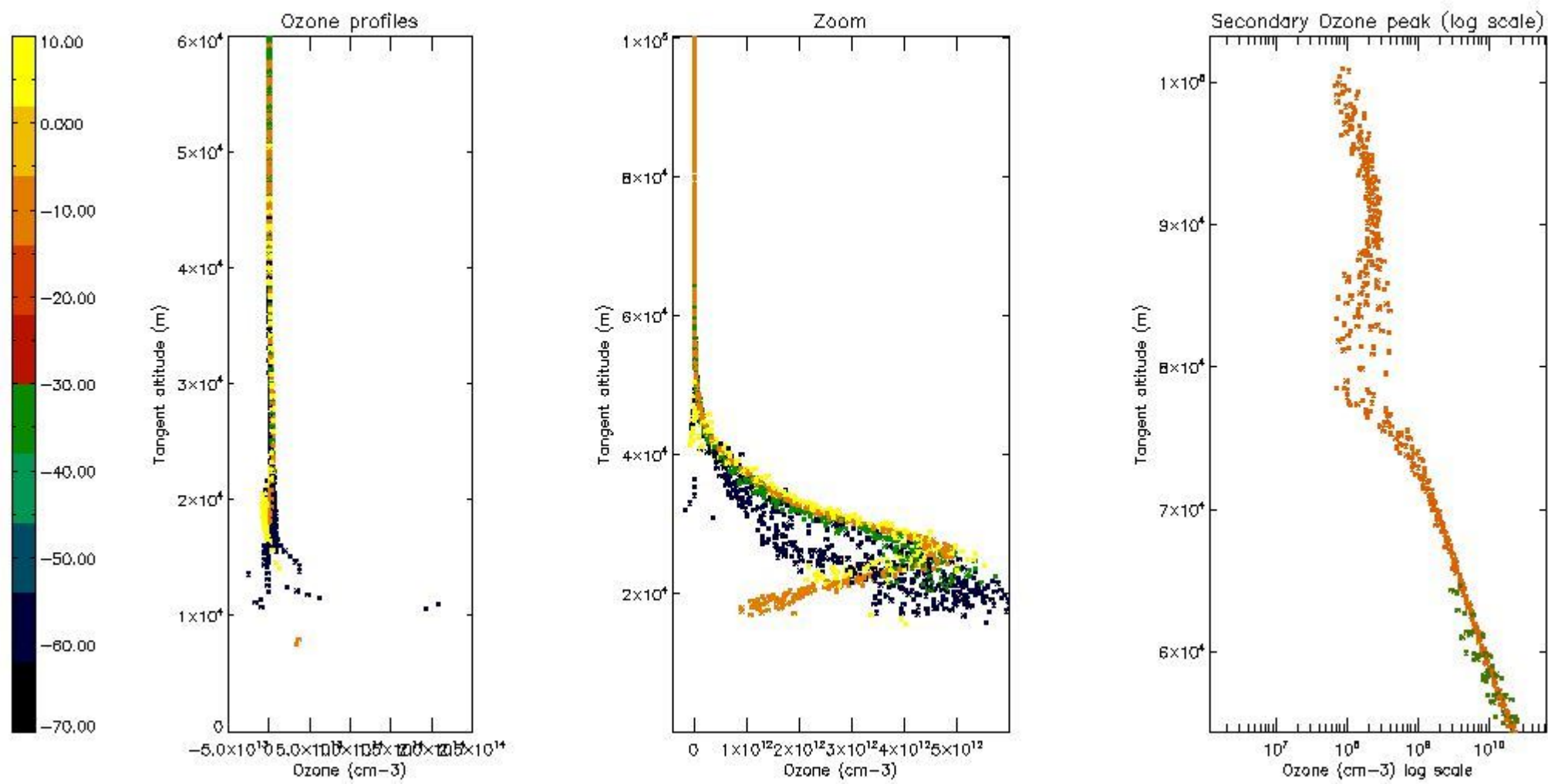
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



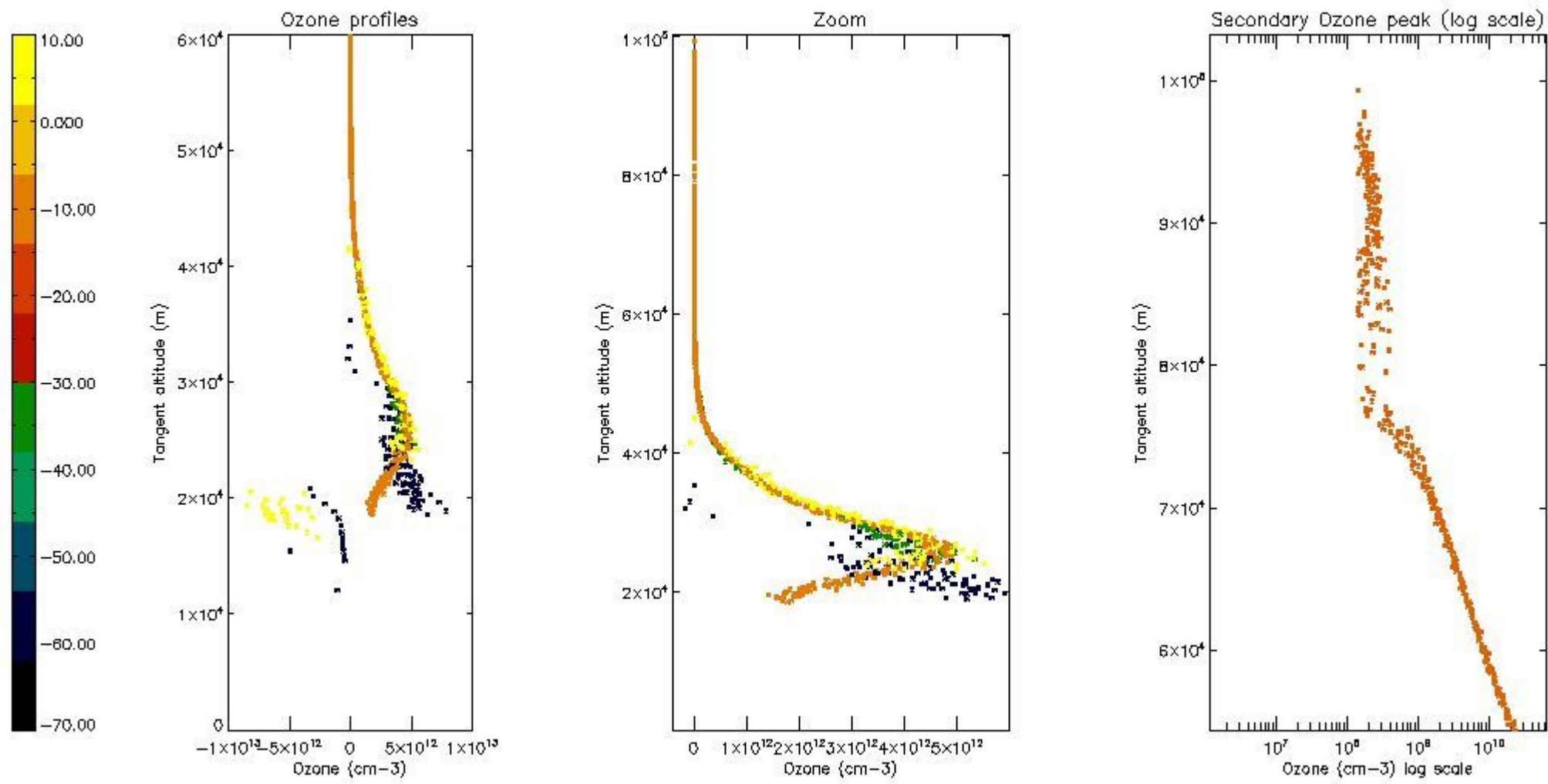
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



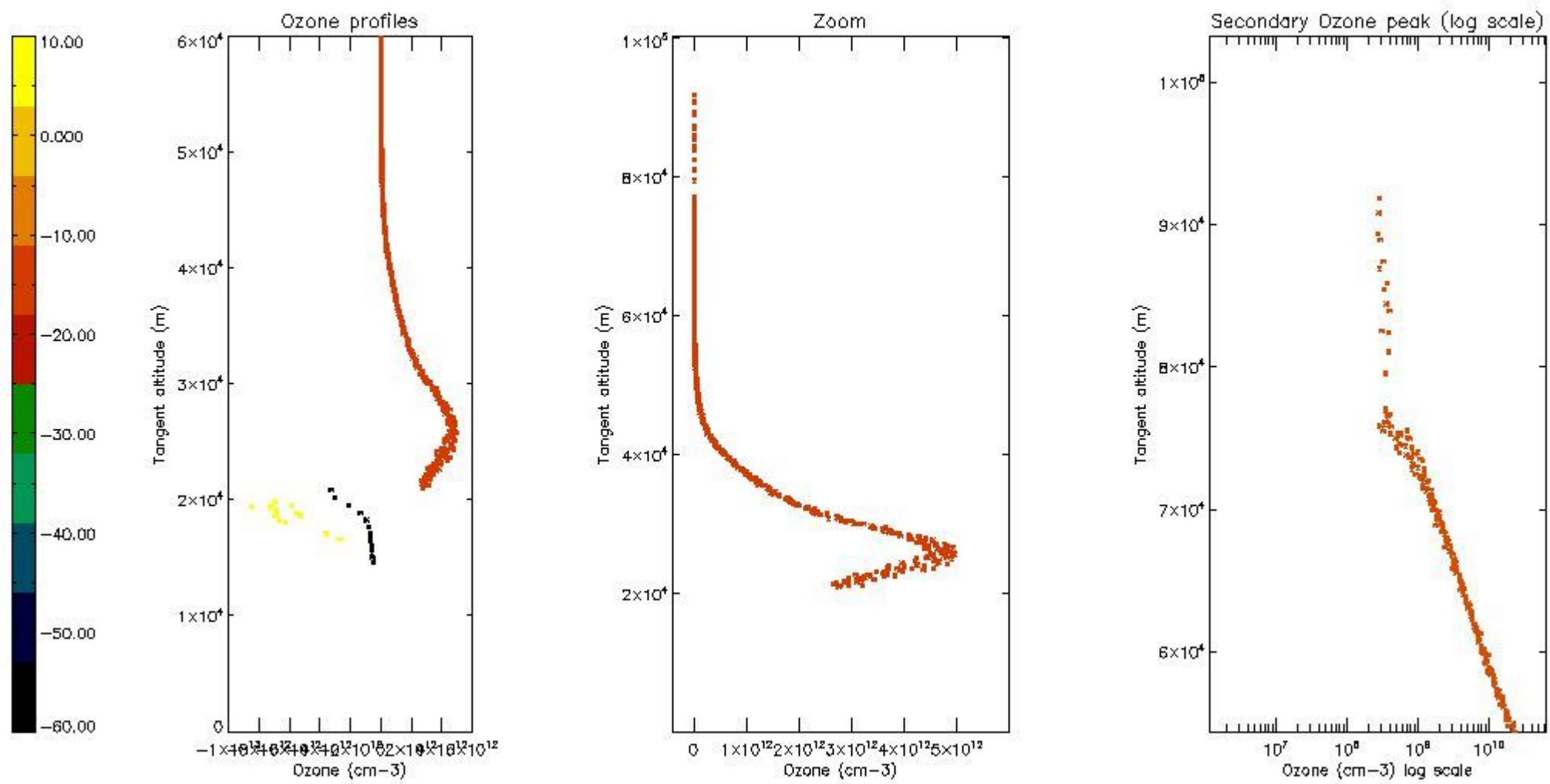
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



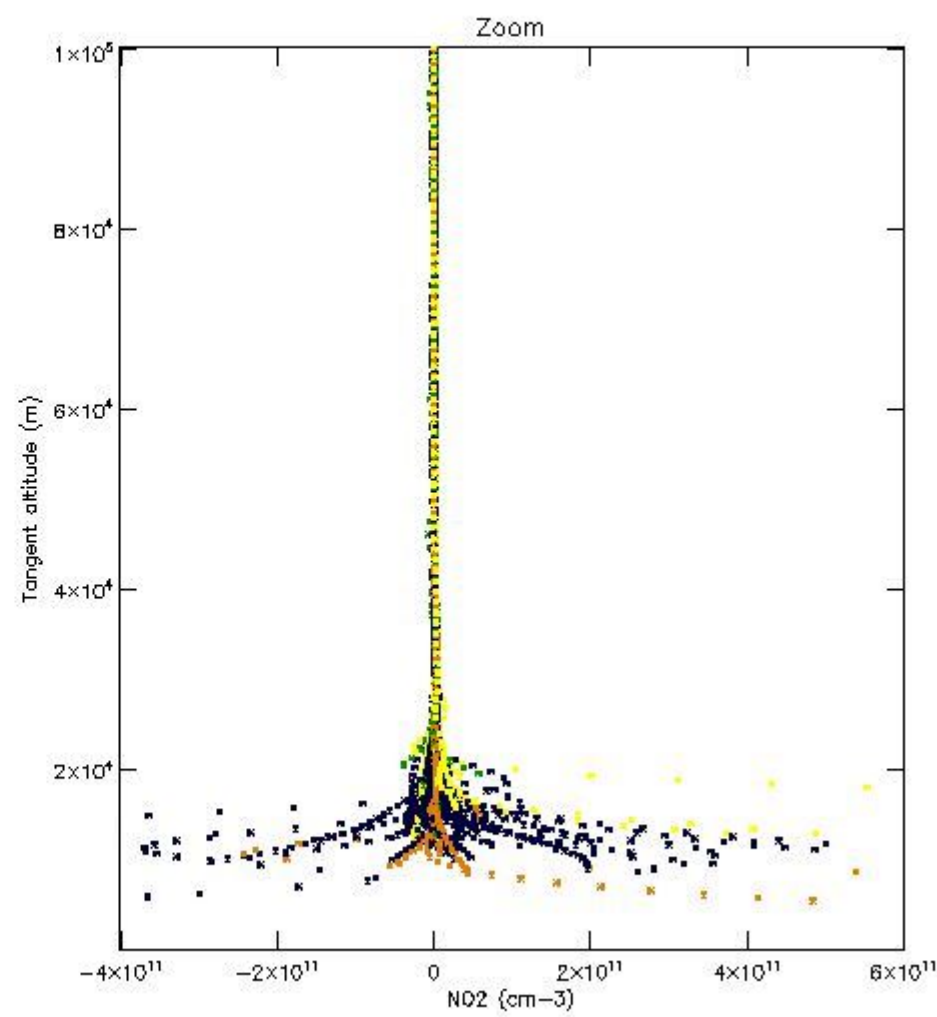
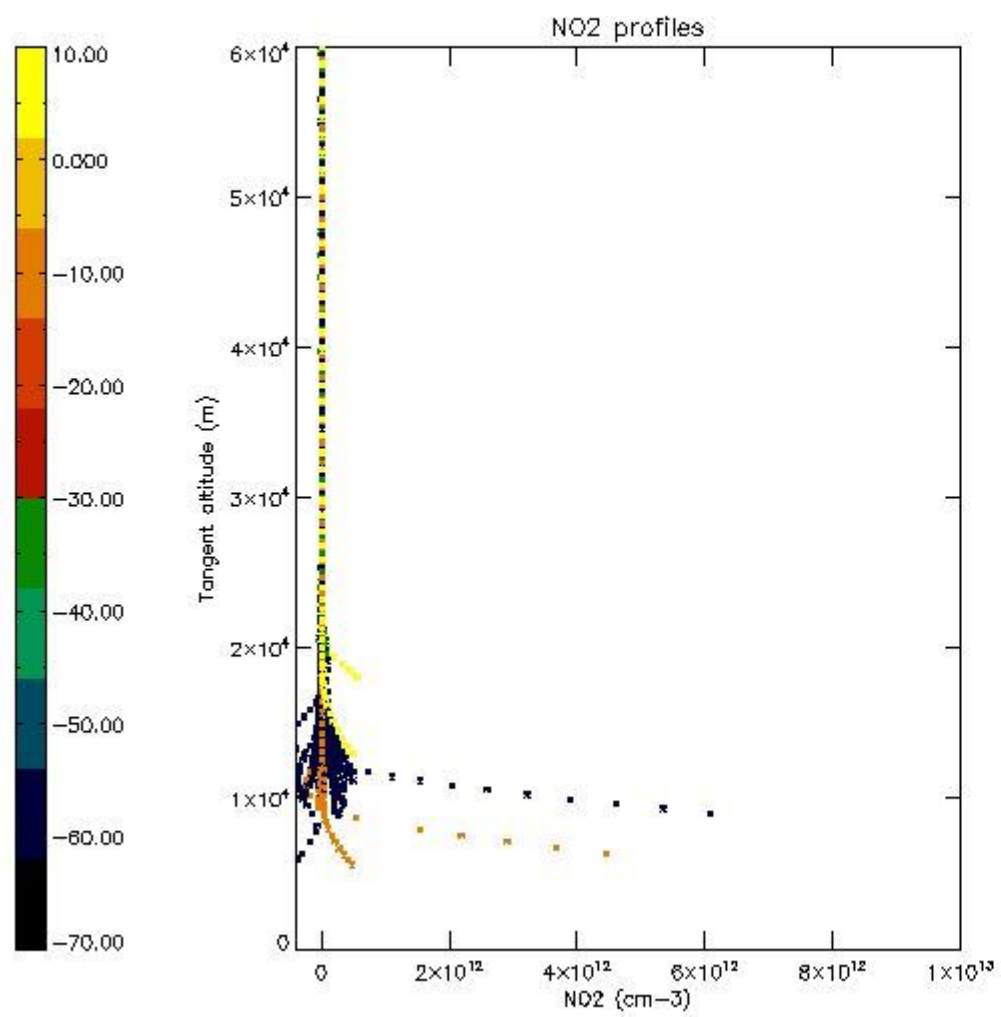
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



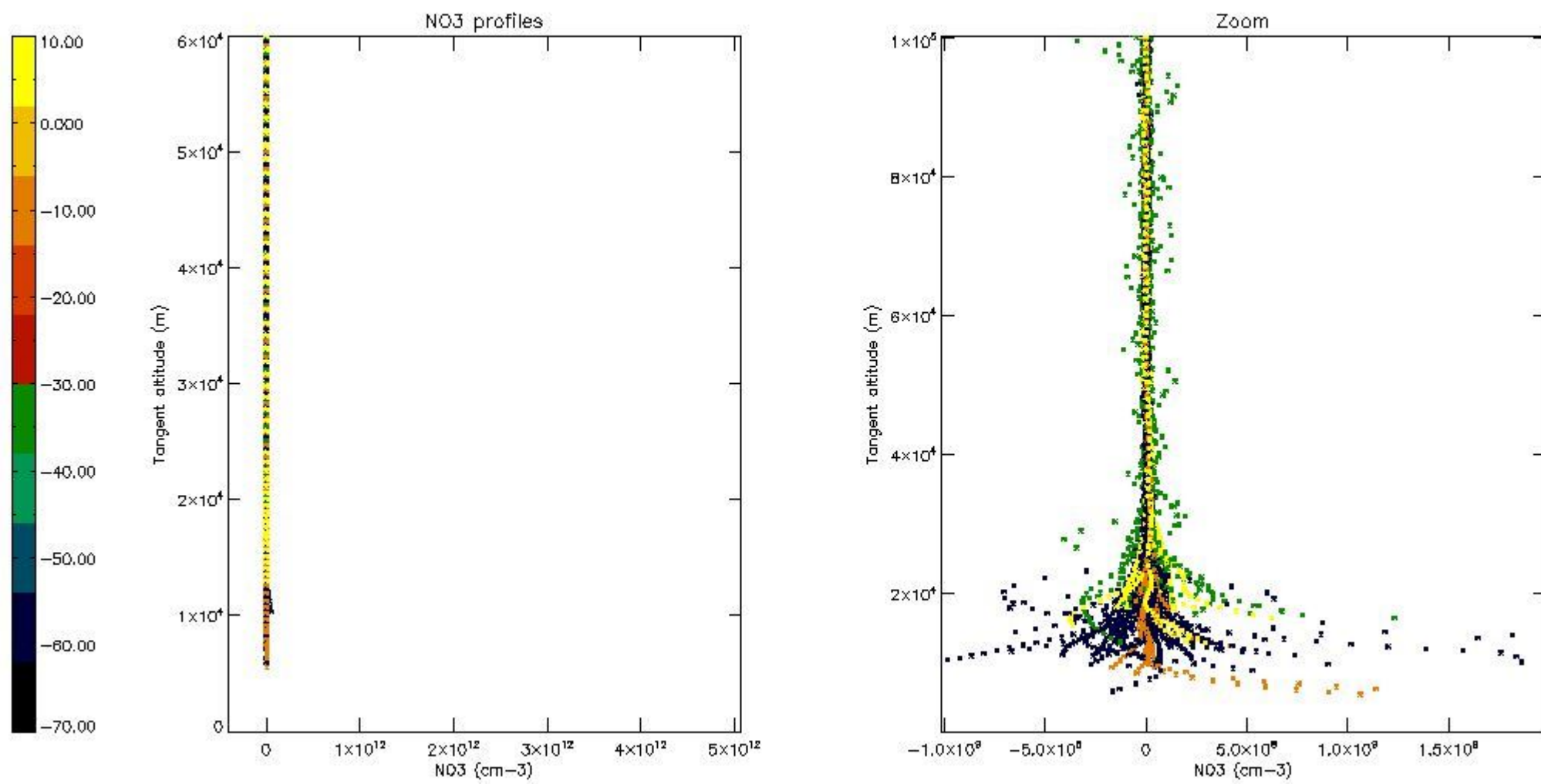
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



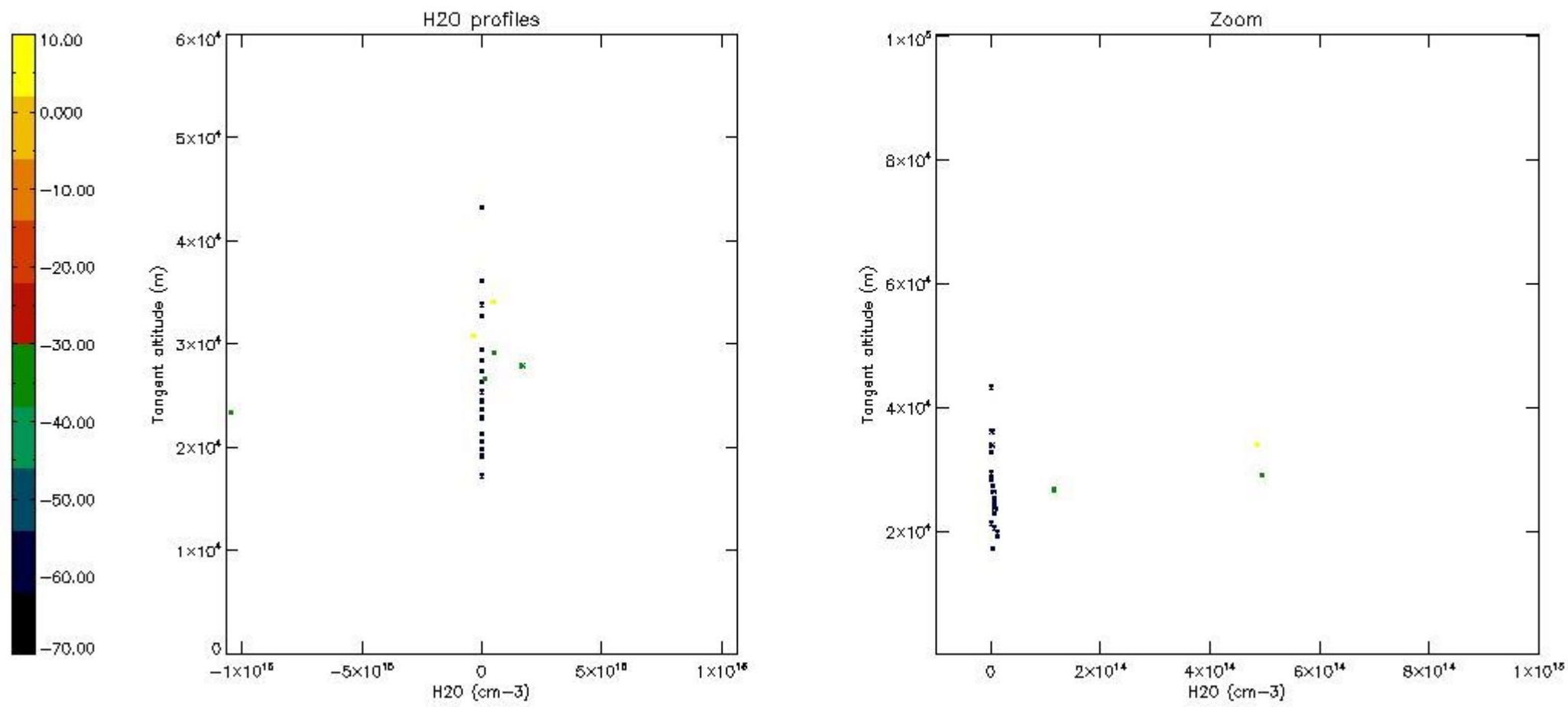
5.7 Plot NO3 profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

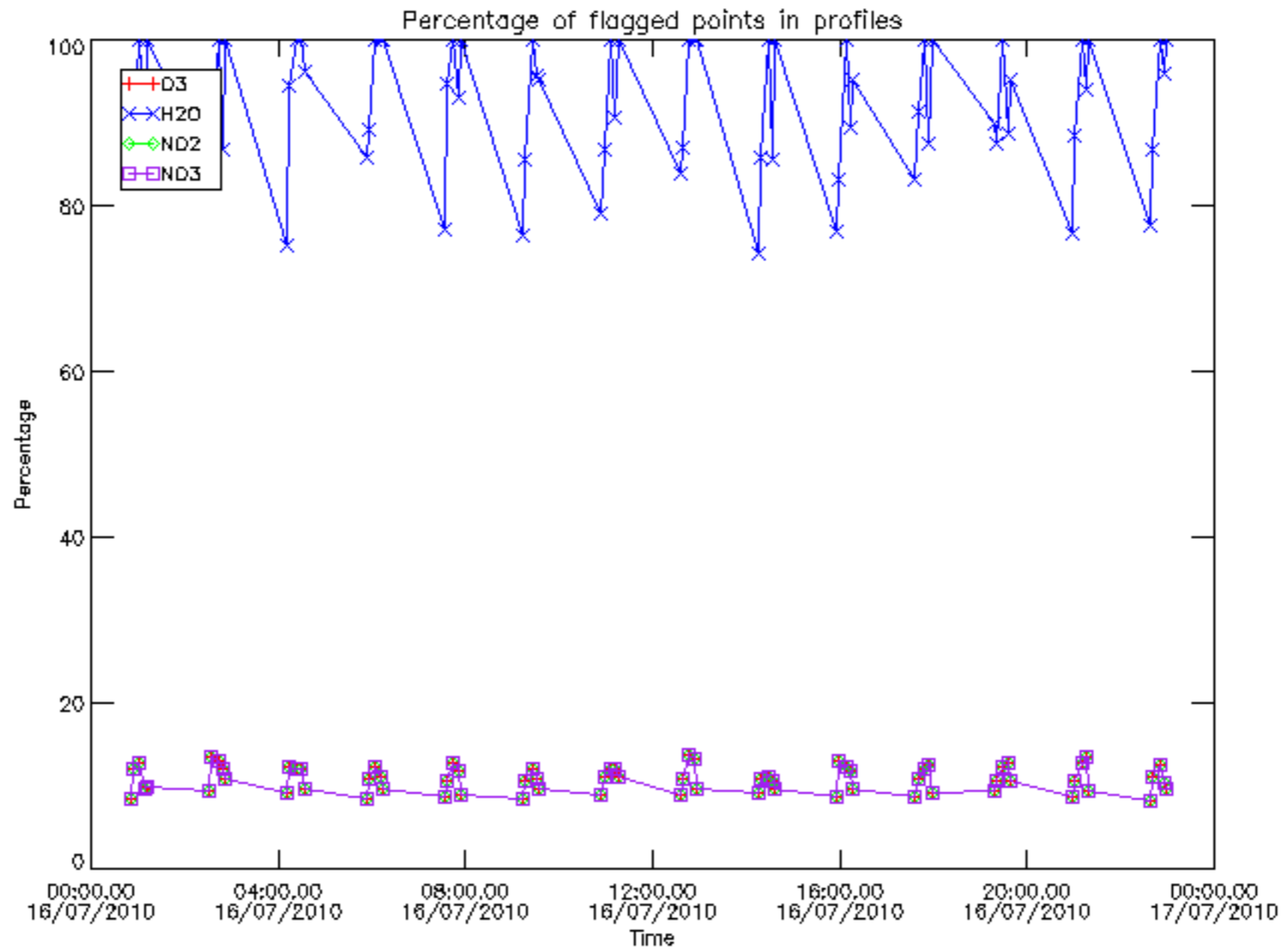
The colorbar represents the latitude.



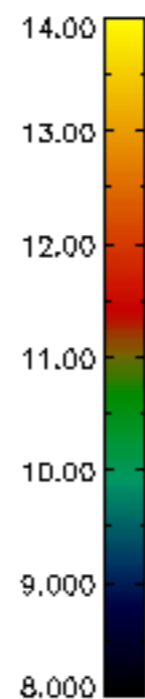
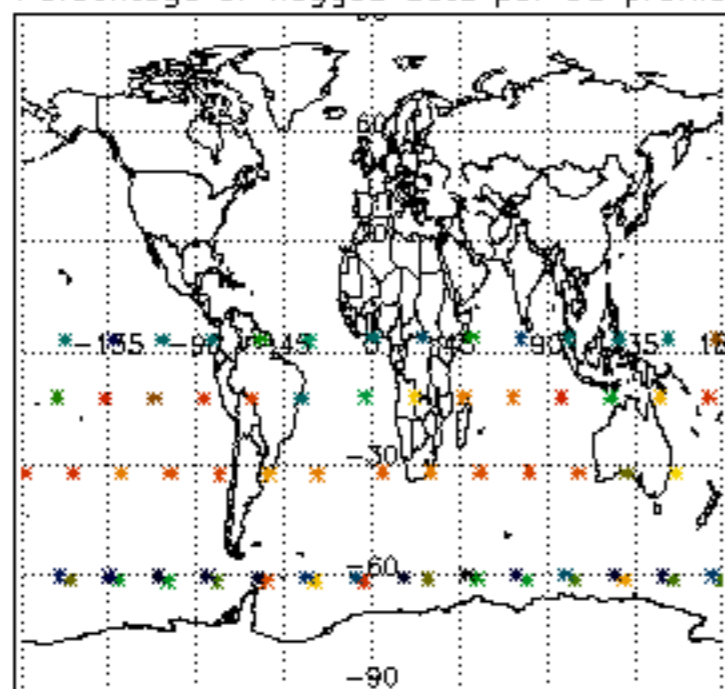
6. Auxiliary Data Files used for the production reported in section 2

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

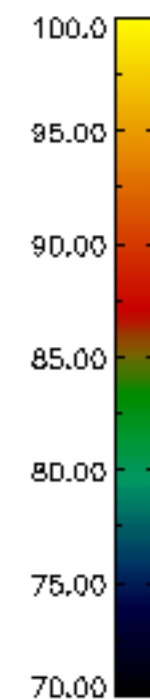
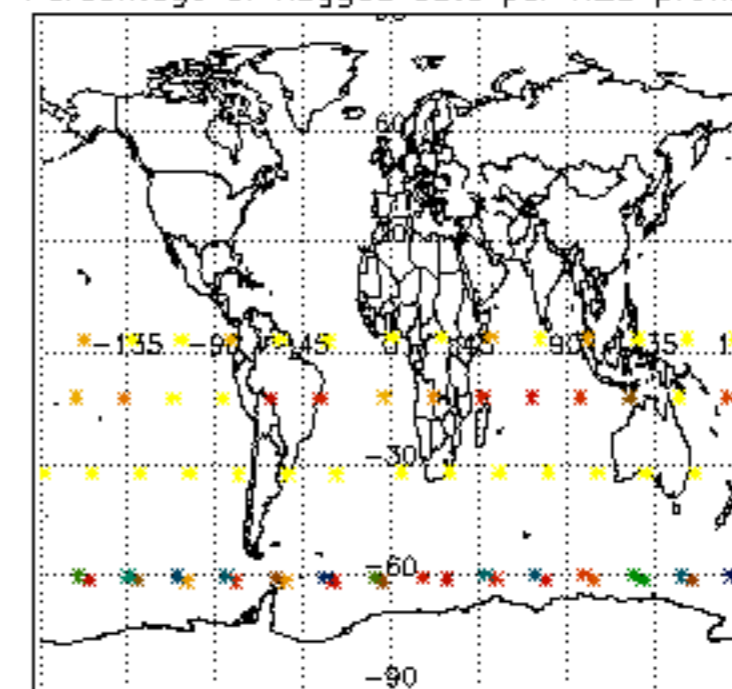
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	16-JUL-2010 00:01:33
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	16-JUL-2010 00:01:33
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	16-JUL-2010 00:01:33



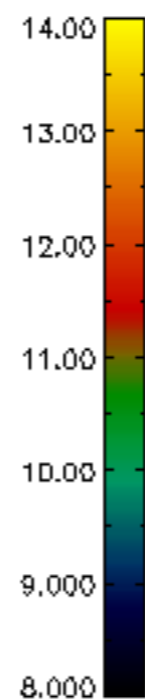
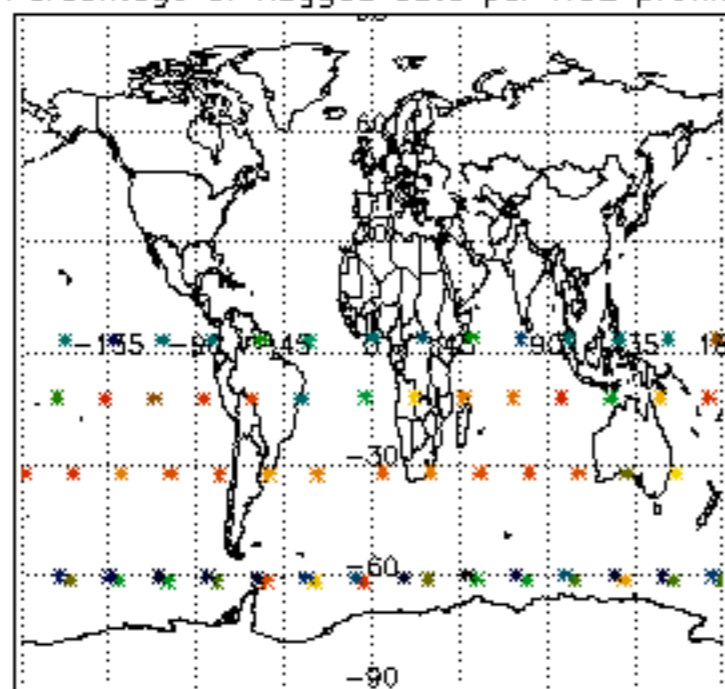
Percentage of flagged data per D3 profile



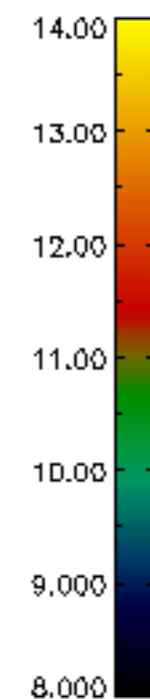
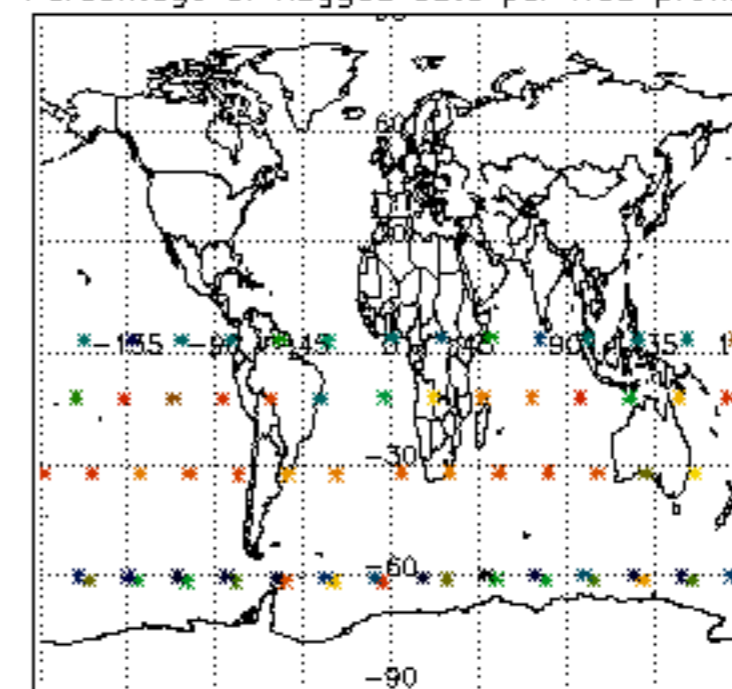
Percentage of flagged data per H2O profile

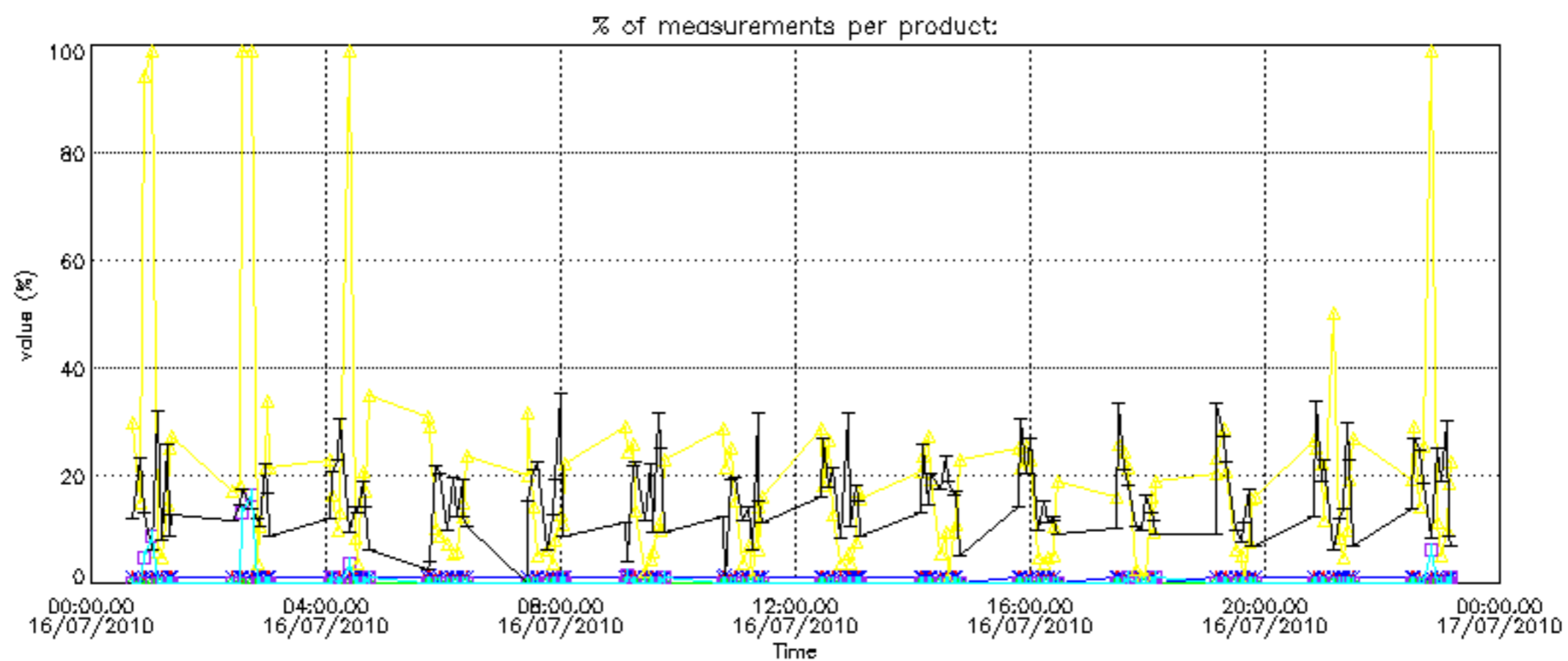


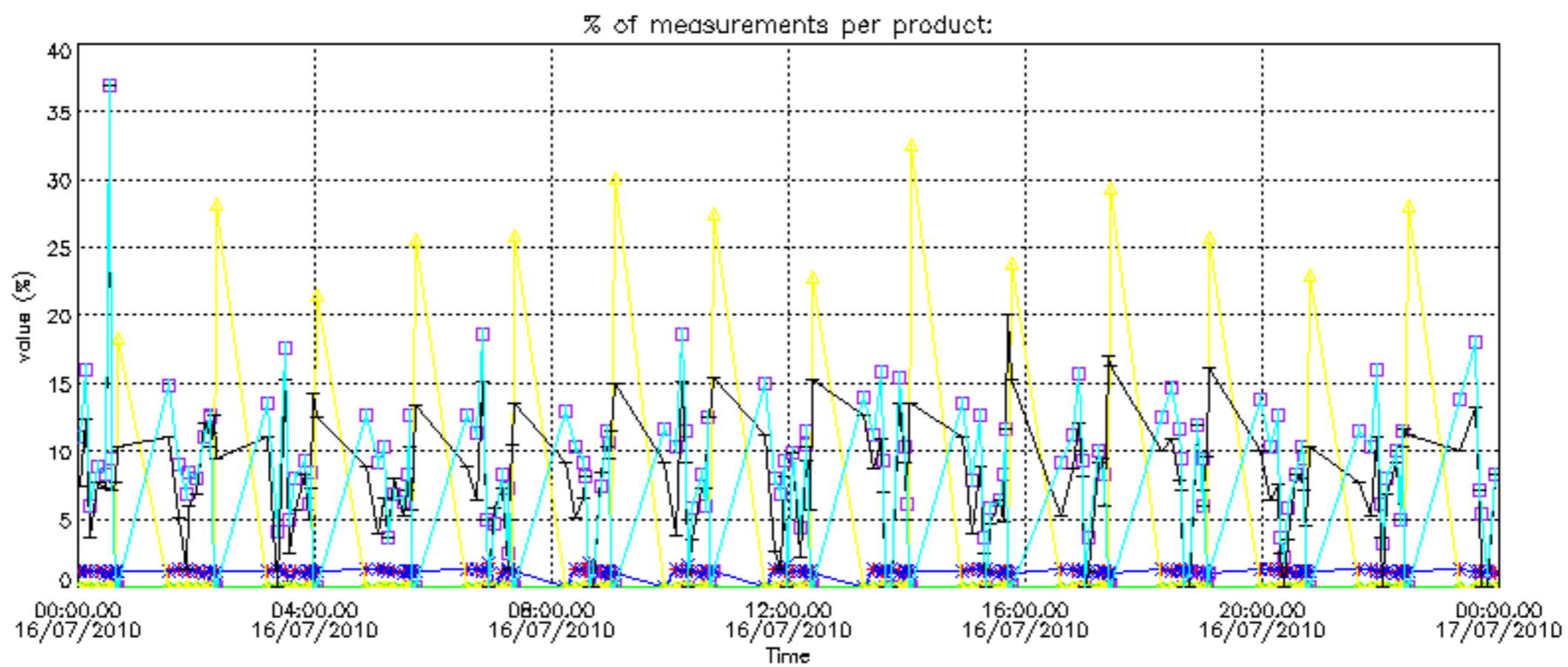
Percentage of flagged data per NO2 profile



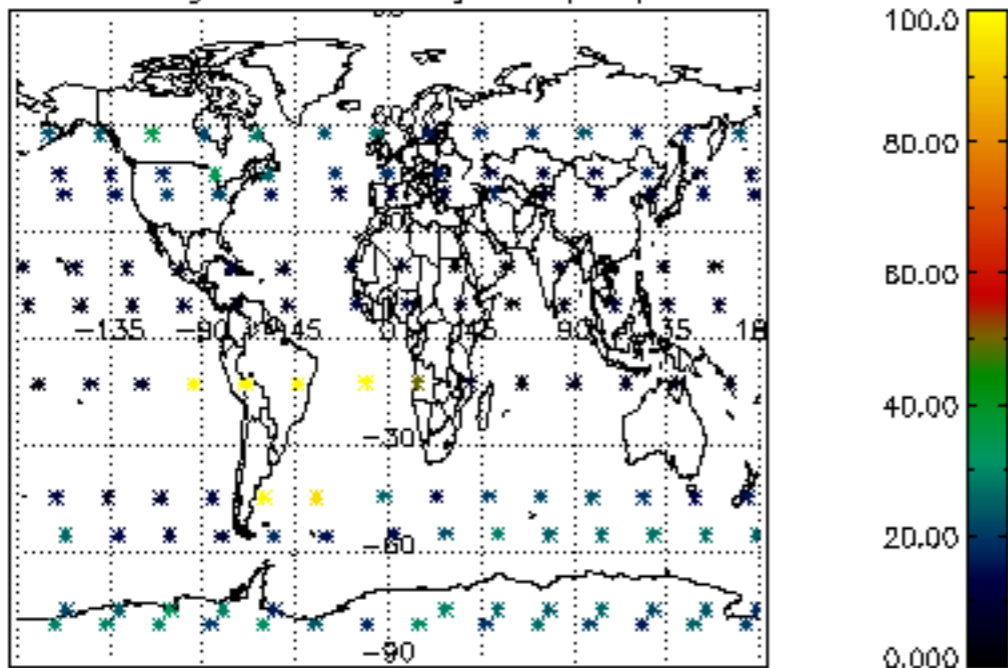
Percentage of flagged data per NO3 profile



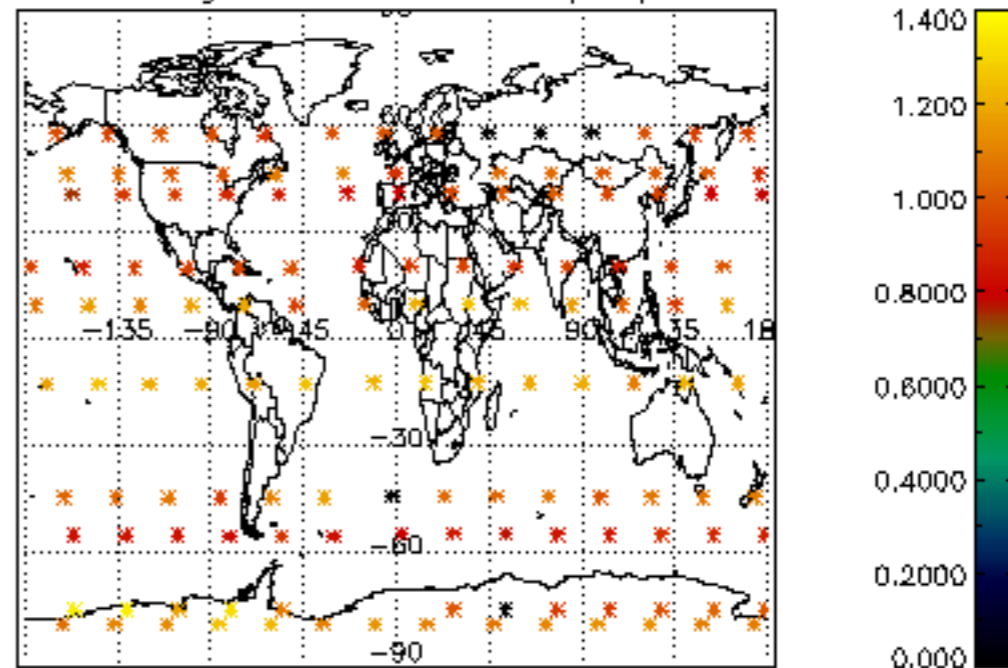




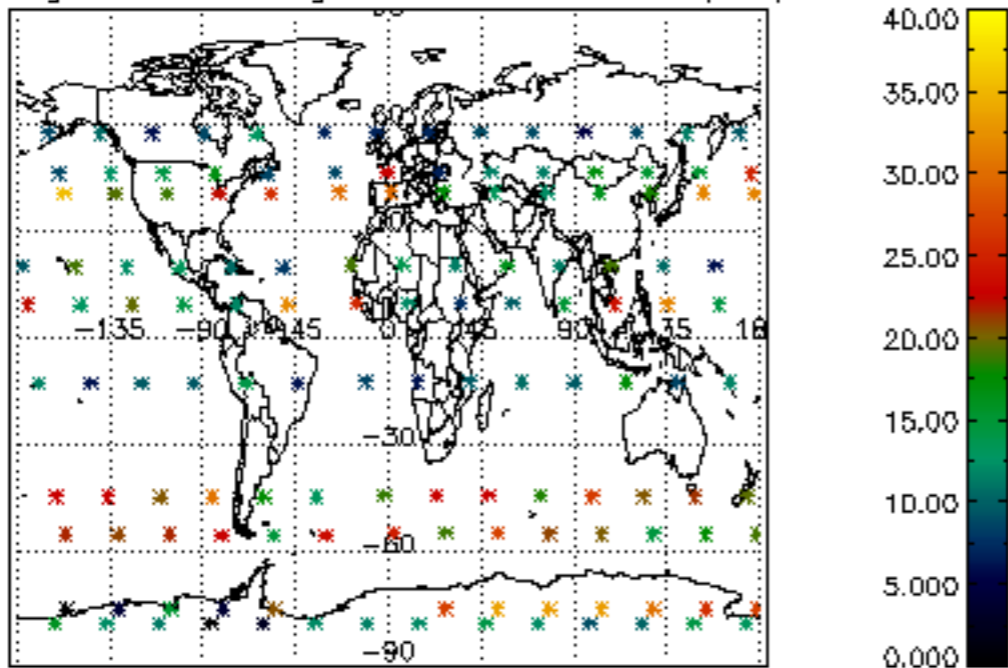
Percentage of cosmic ray hits per profile



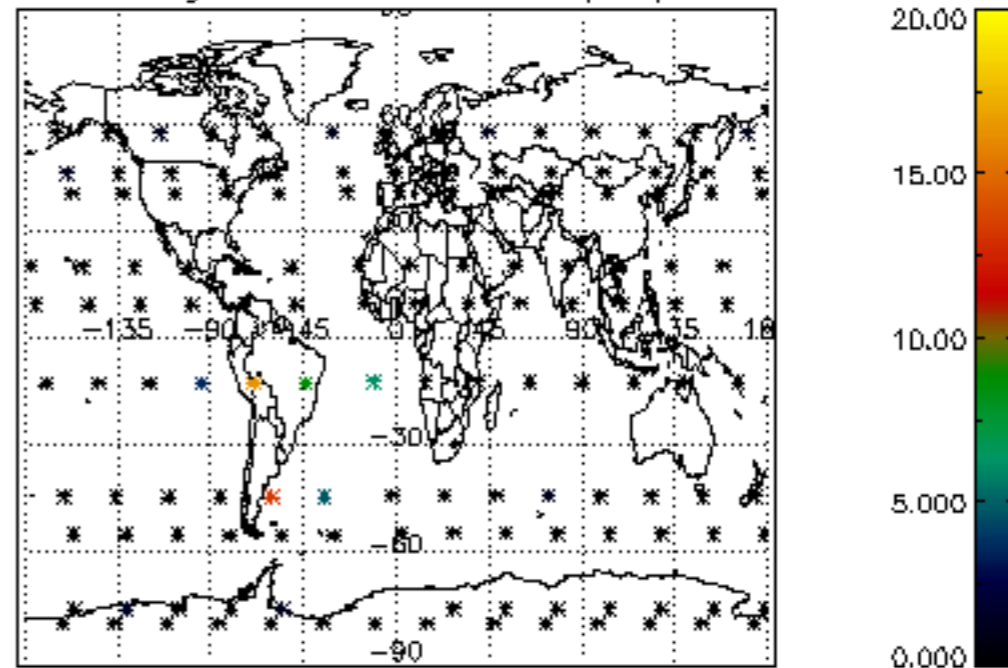
Percentage of datation errors per profile



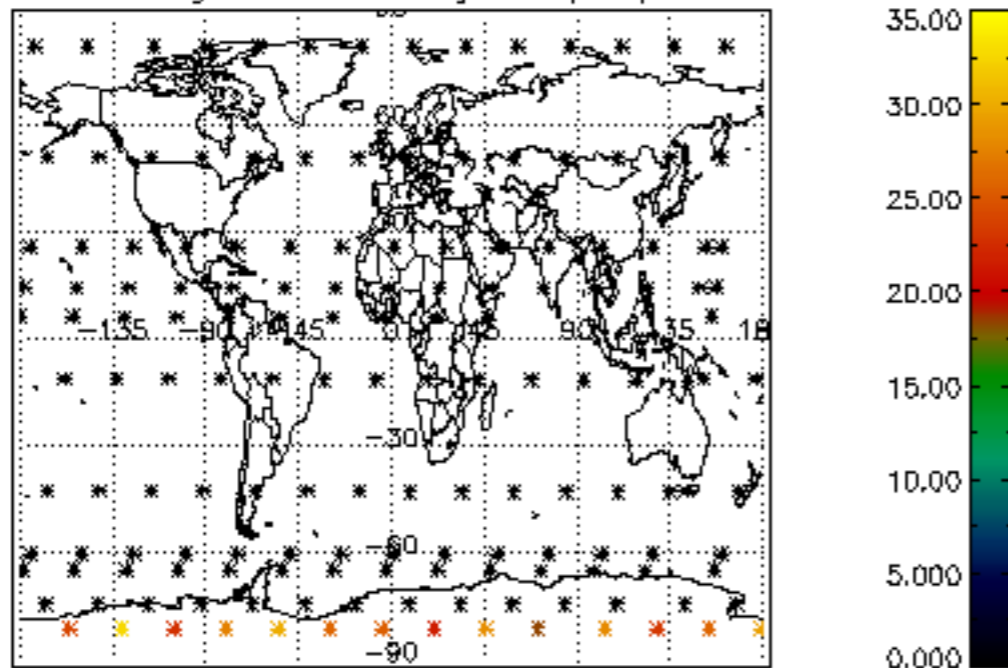
Percentage of star falling outside central band per profile



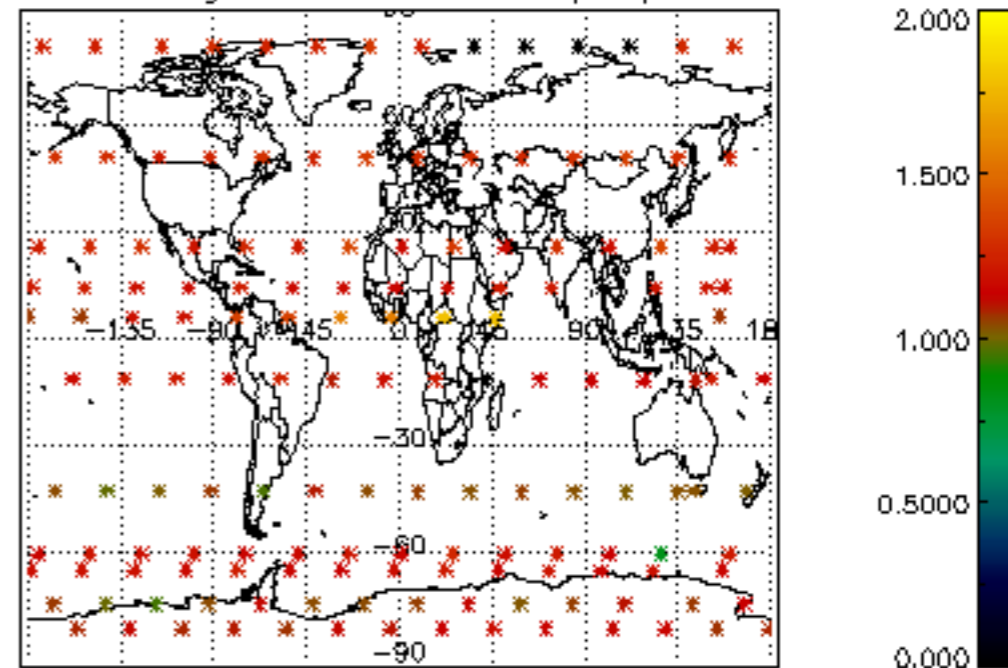
Percentage of saturation errors per profile



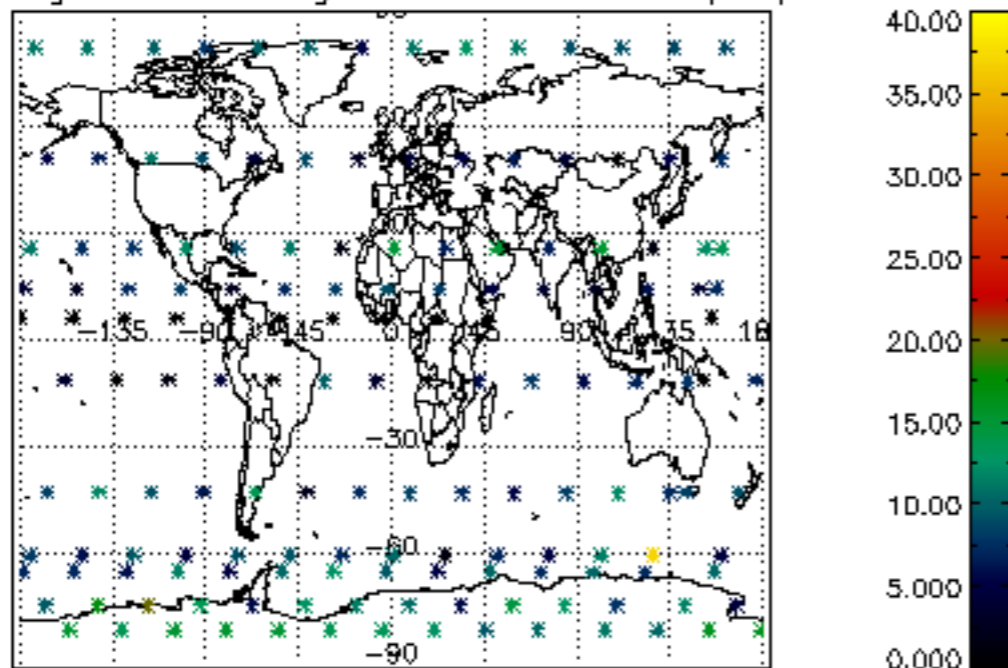
Percentage of cosmic ray hits per profile



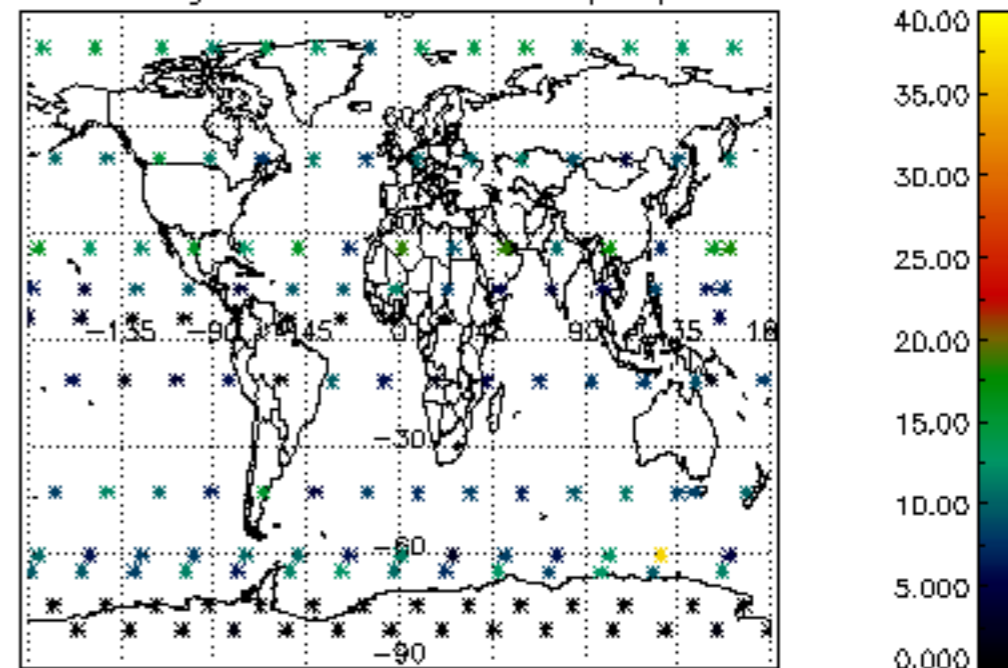
Percentage of datation errors per profile

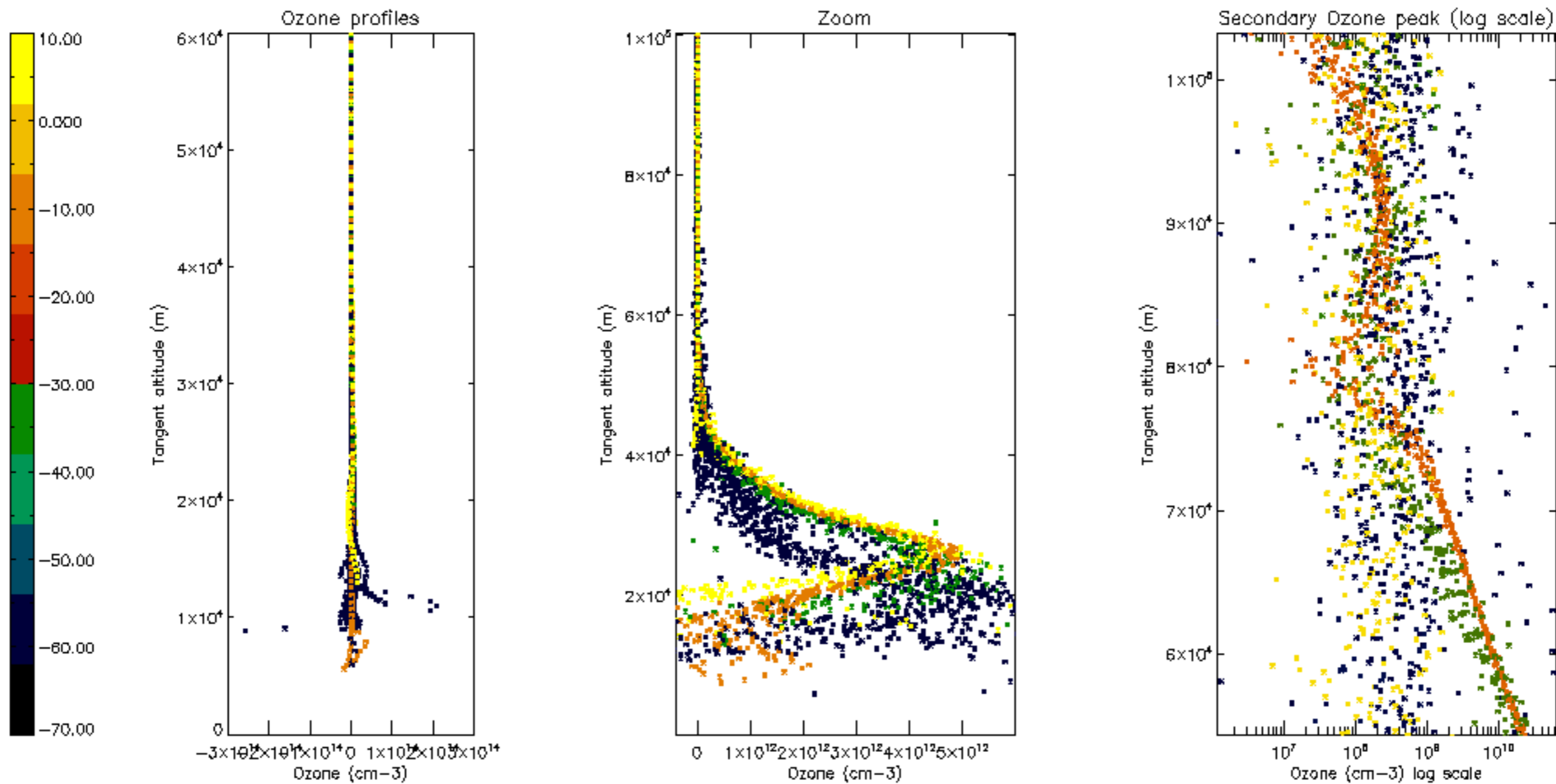


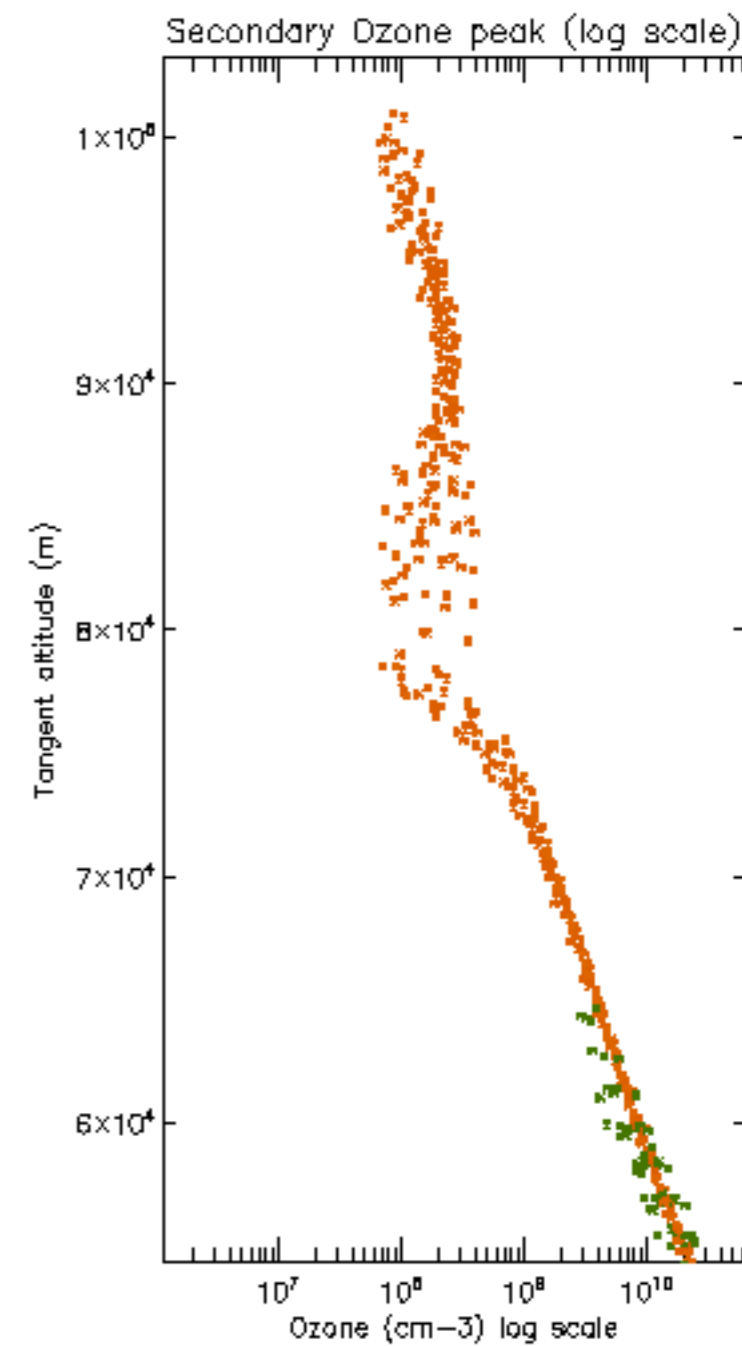
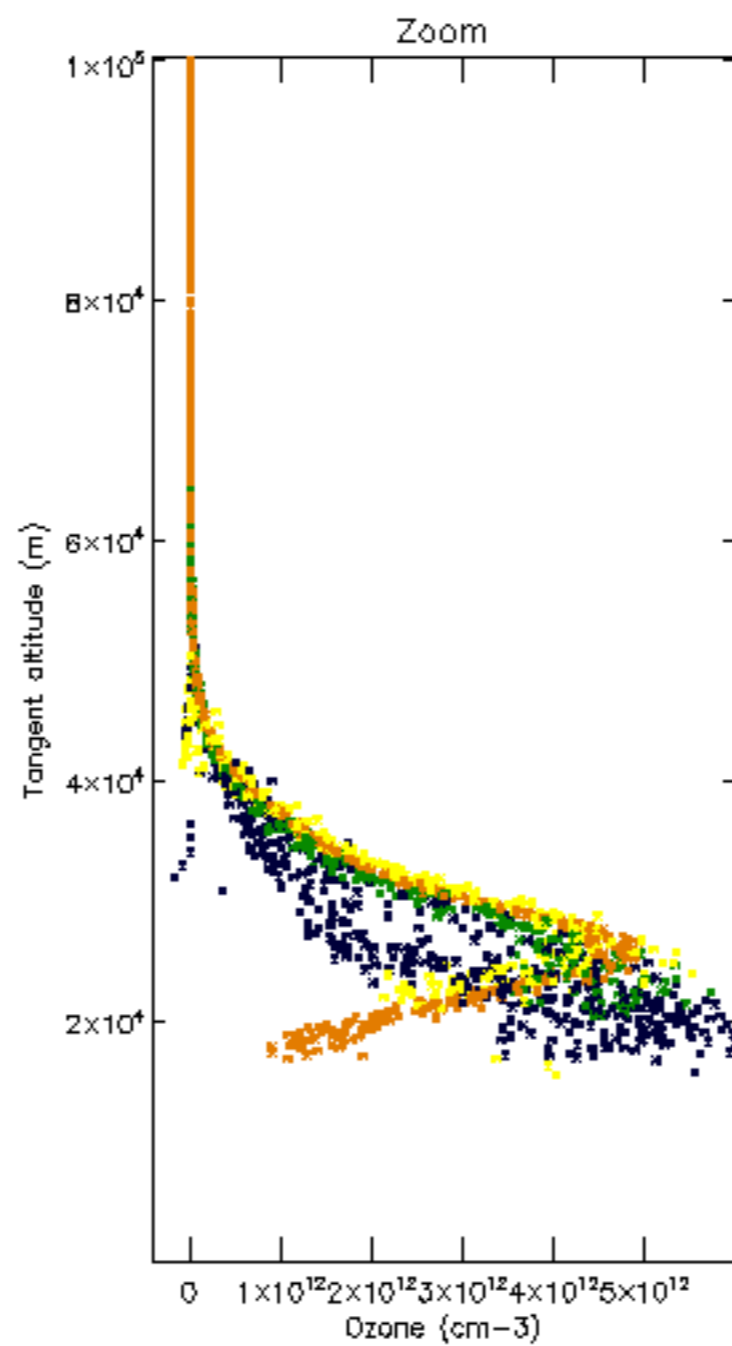
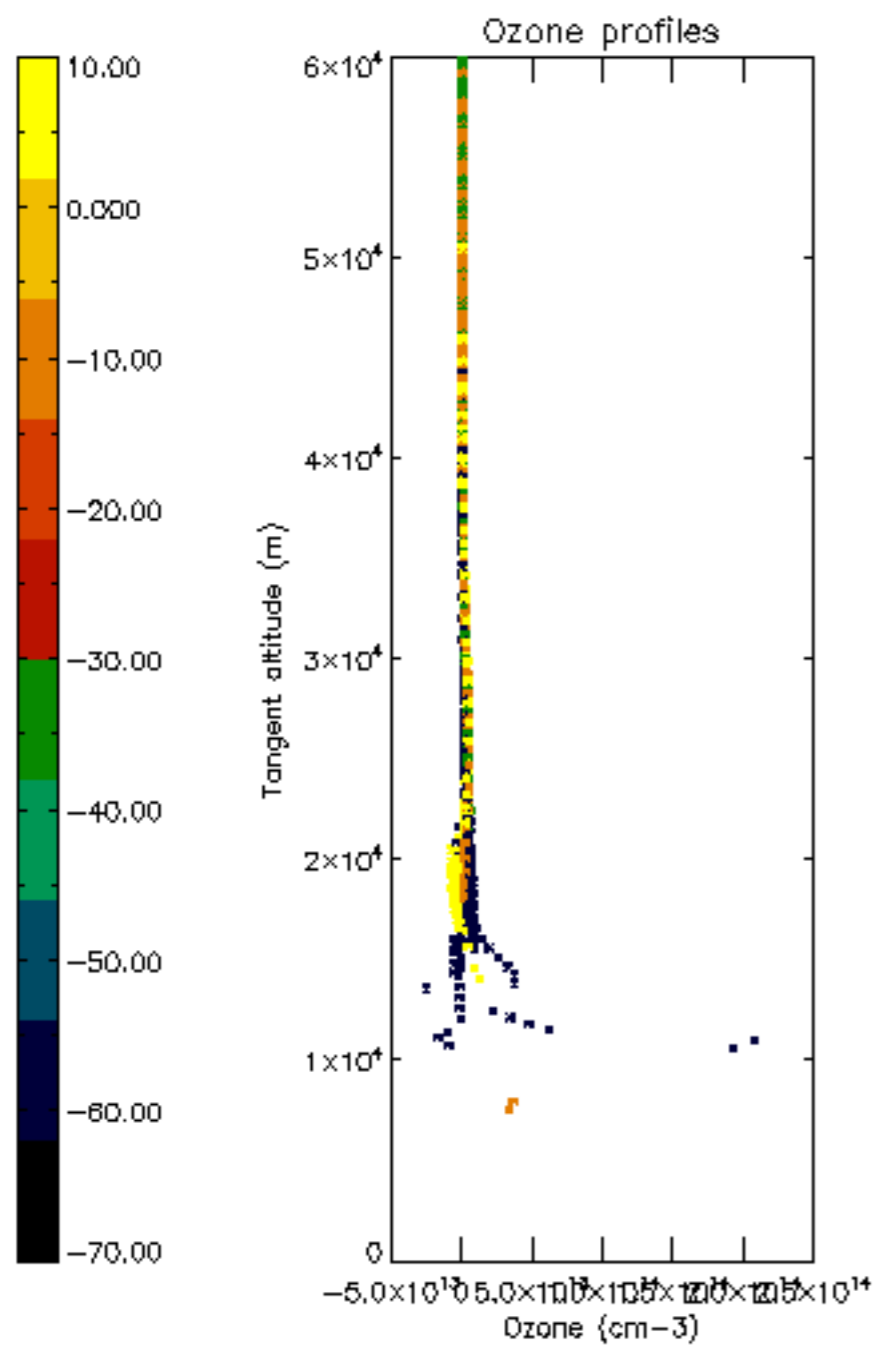
Percentage of star falling outside central band per profile

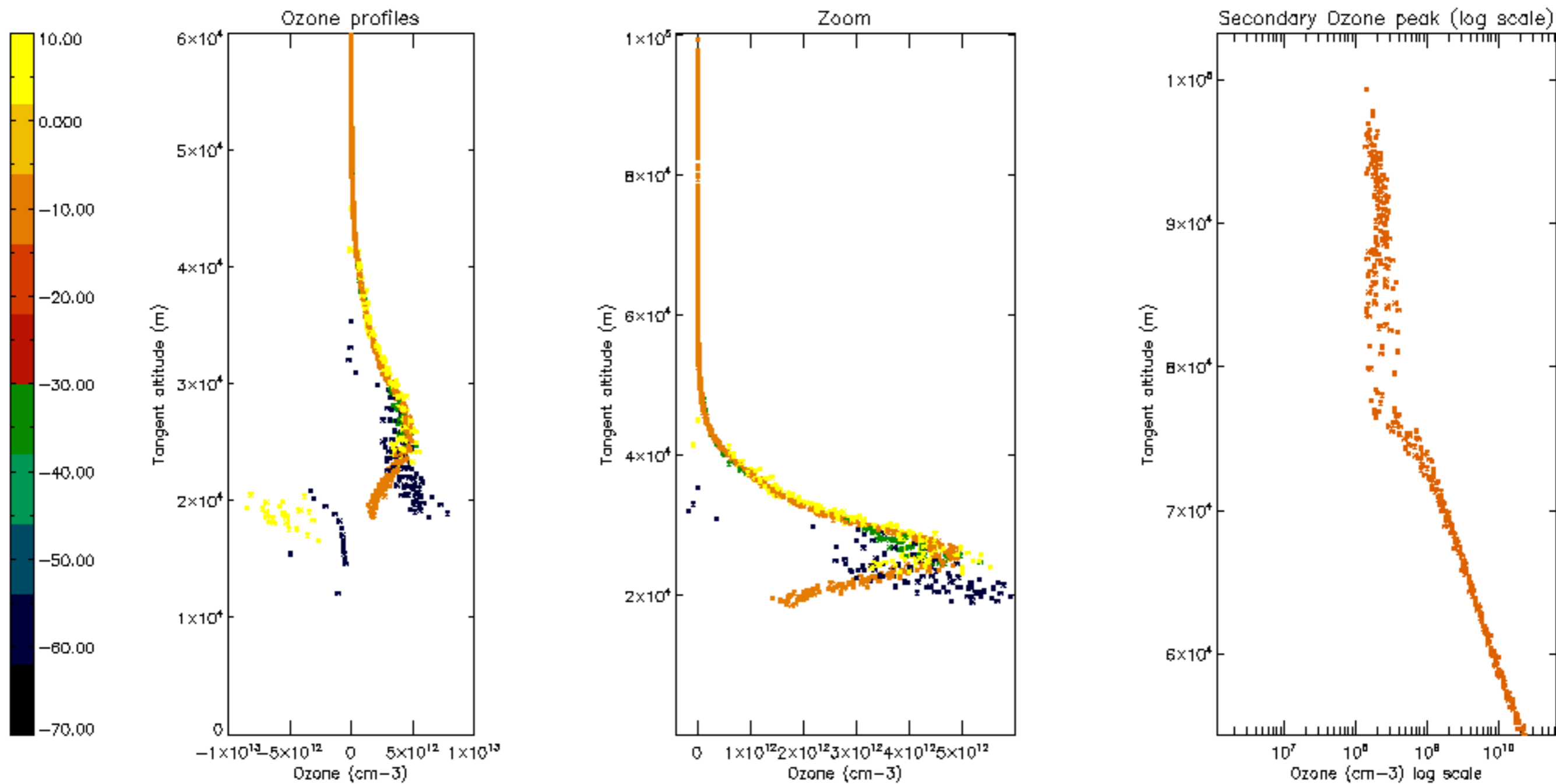


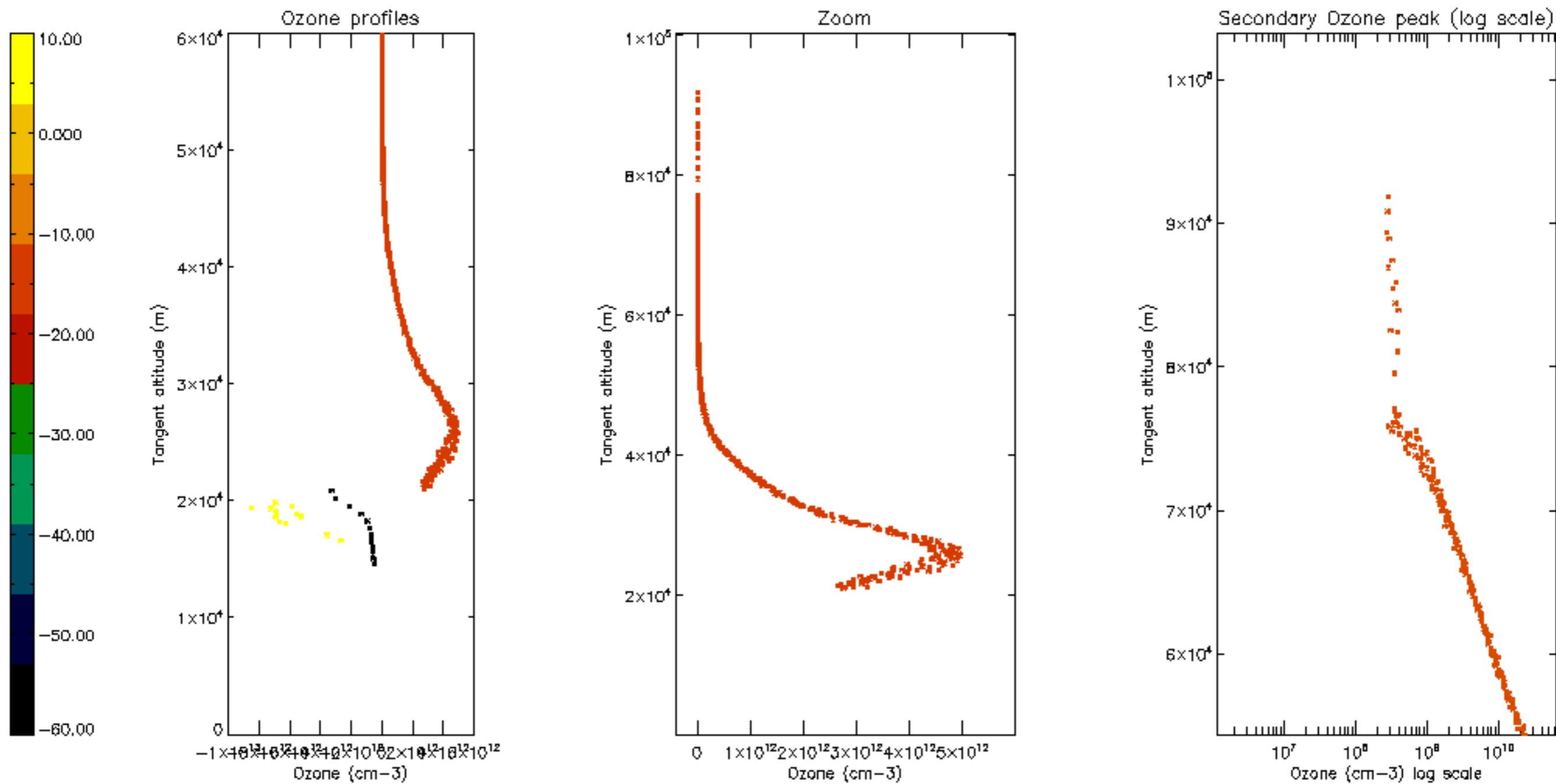
Percentage of saturation errors per profile

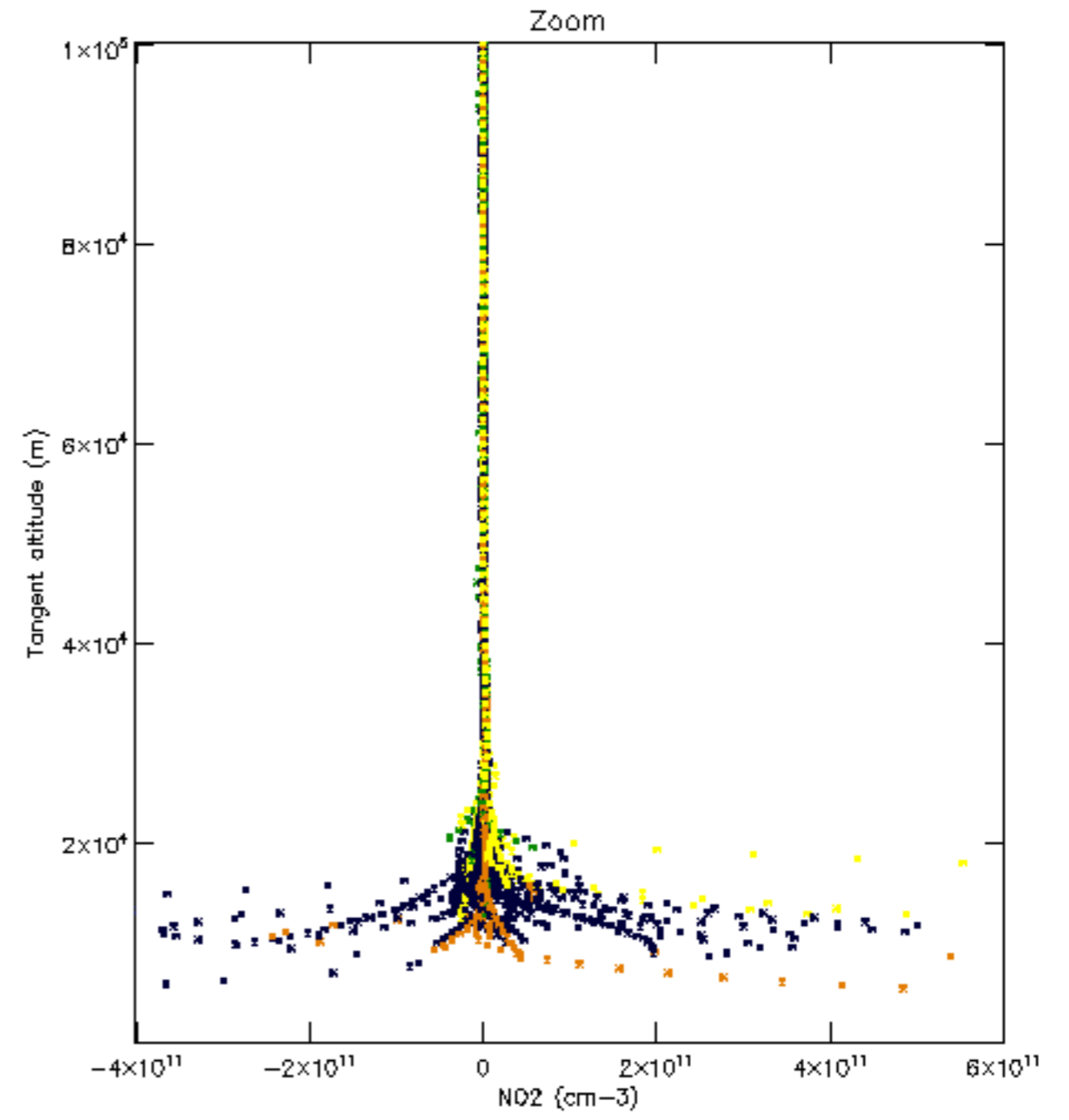
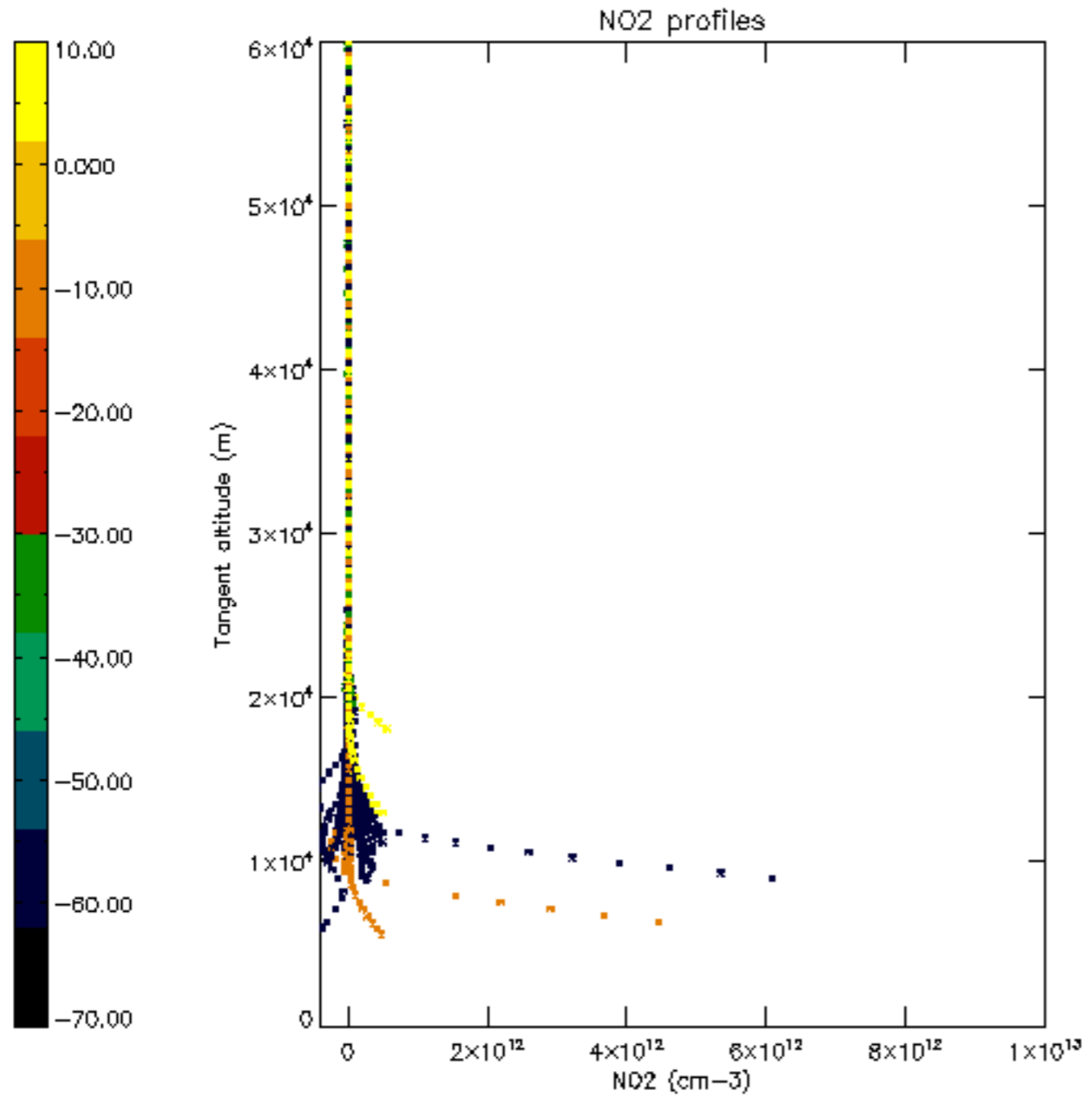


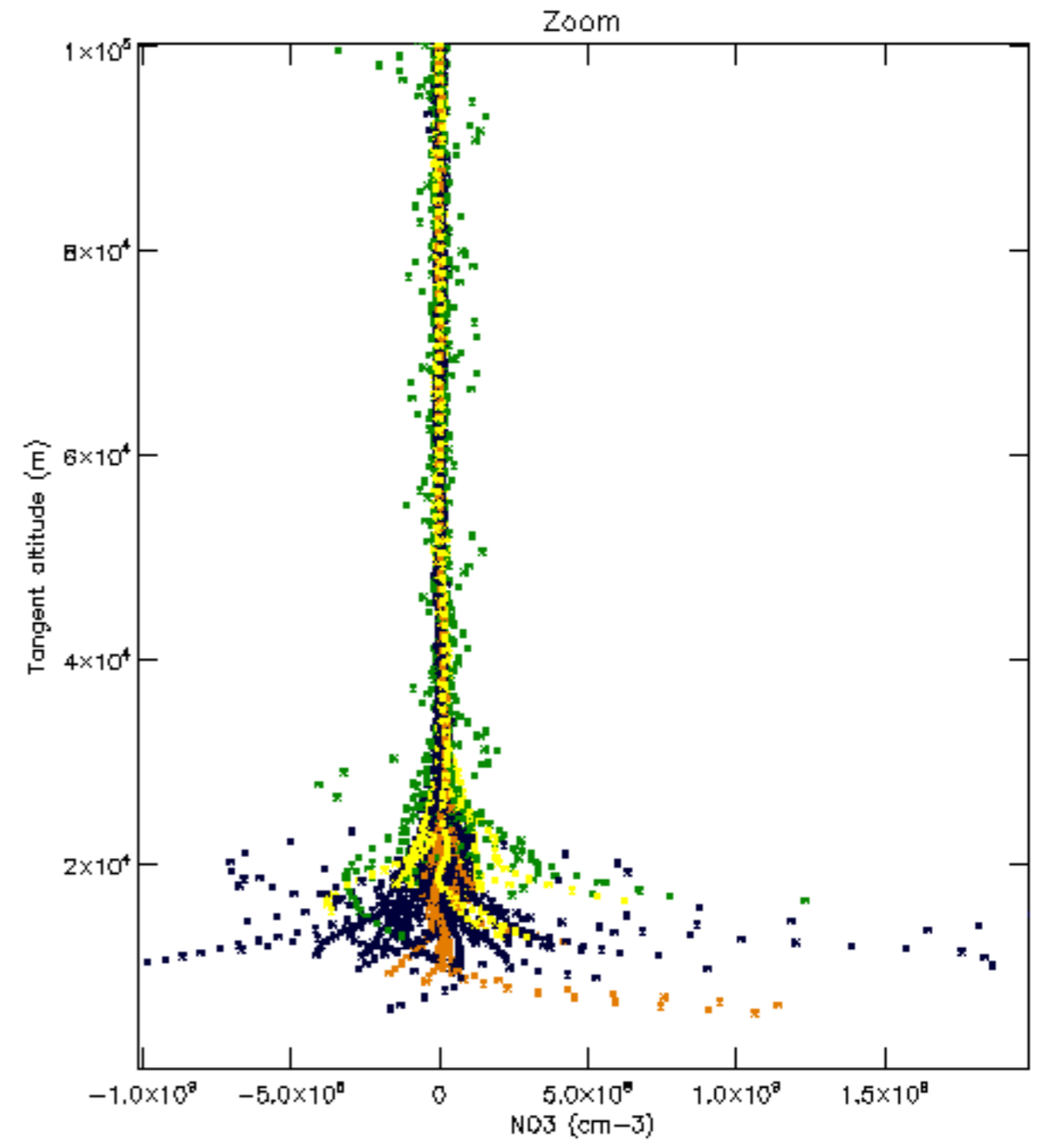
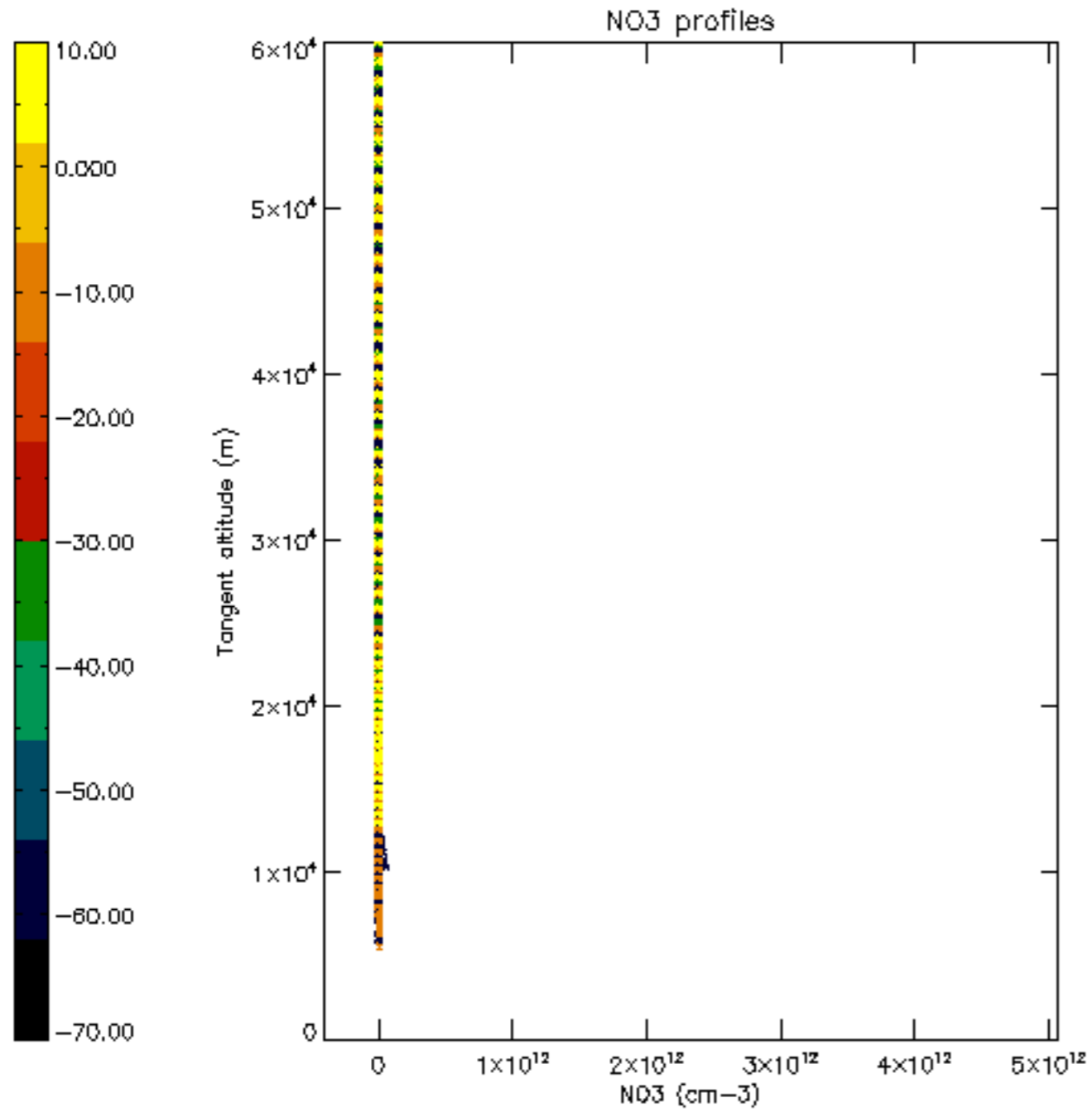


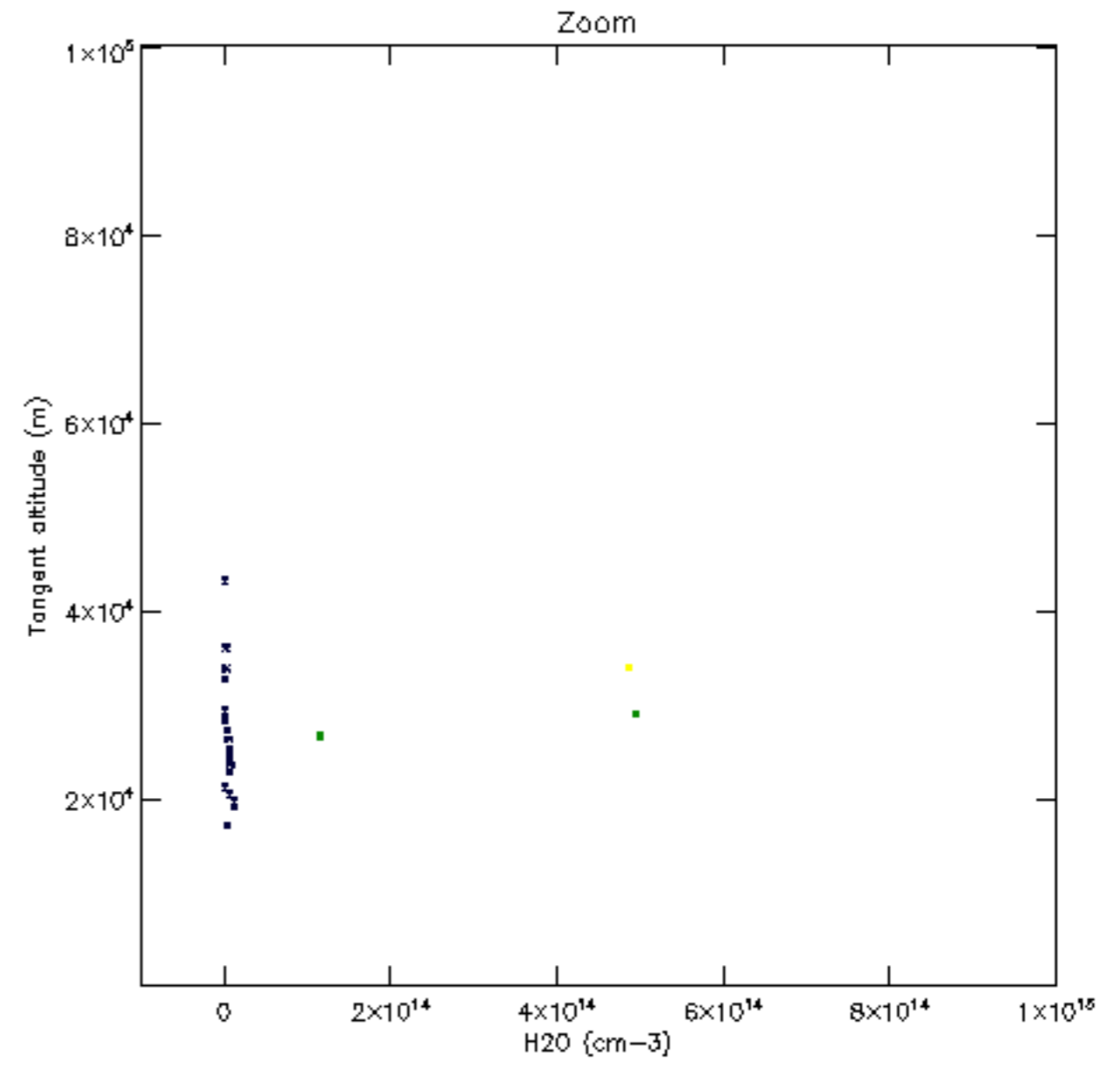
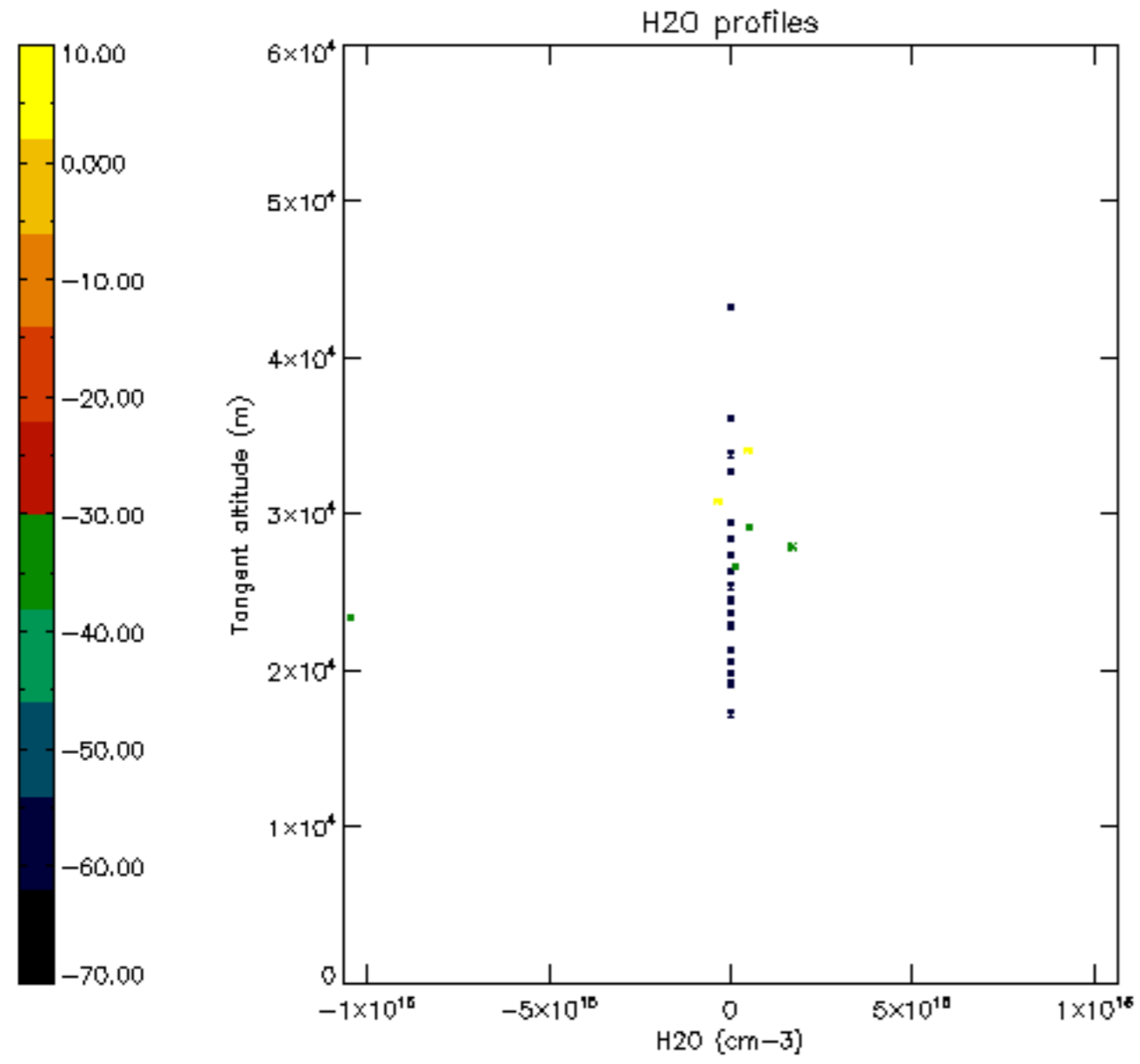


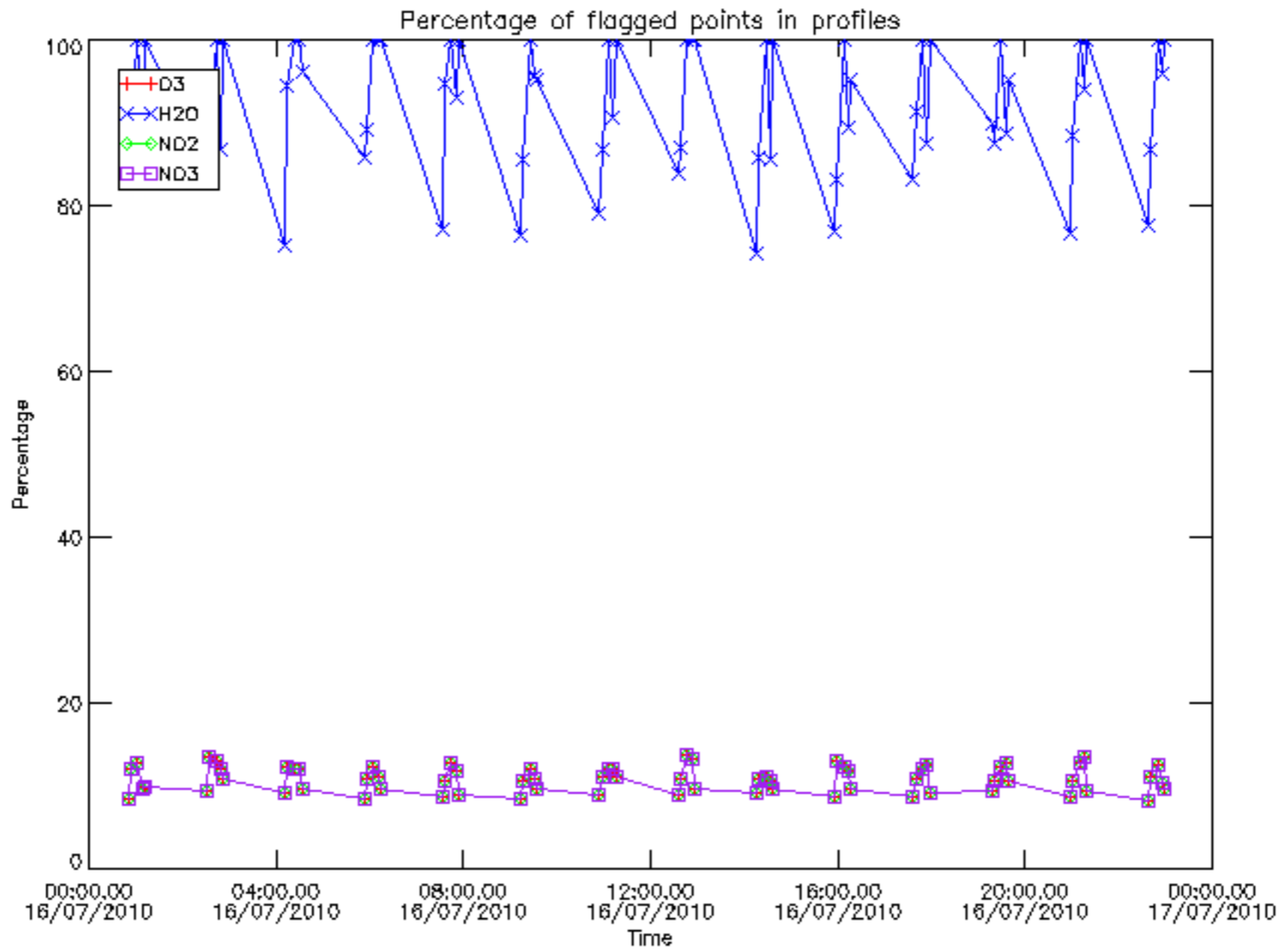




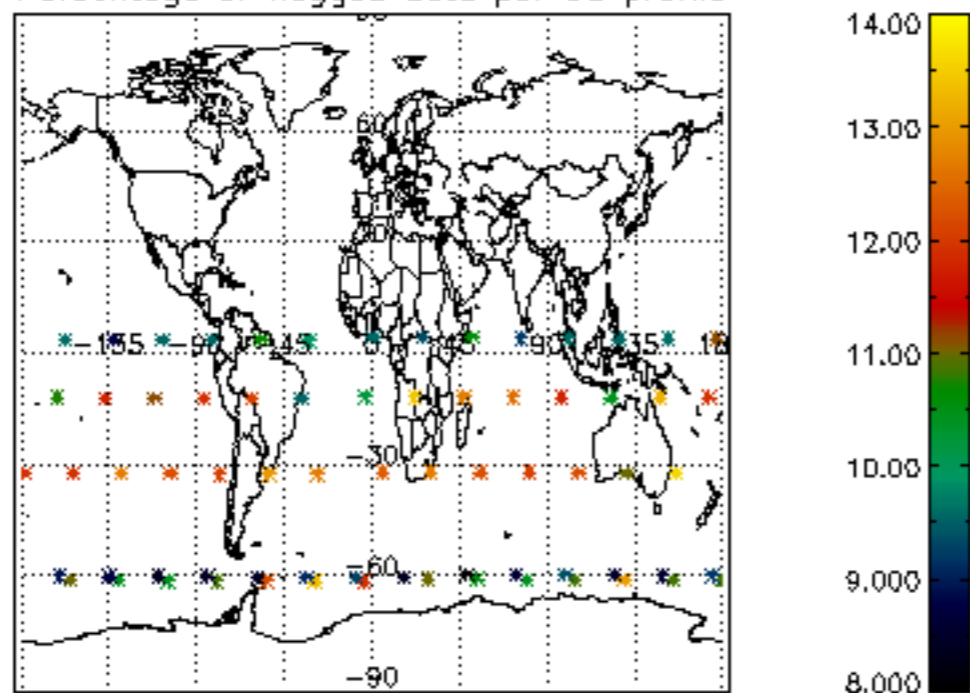




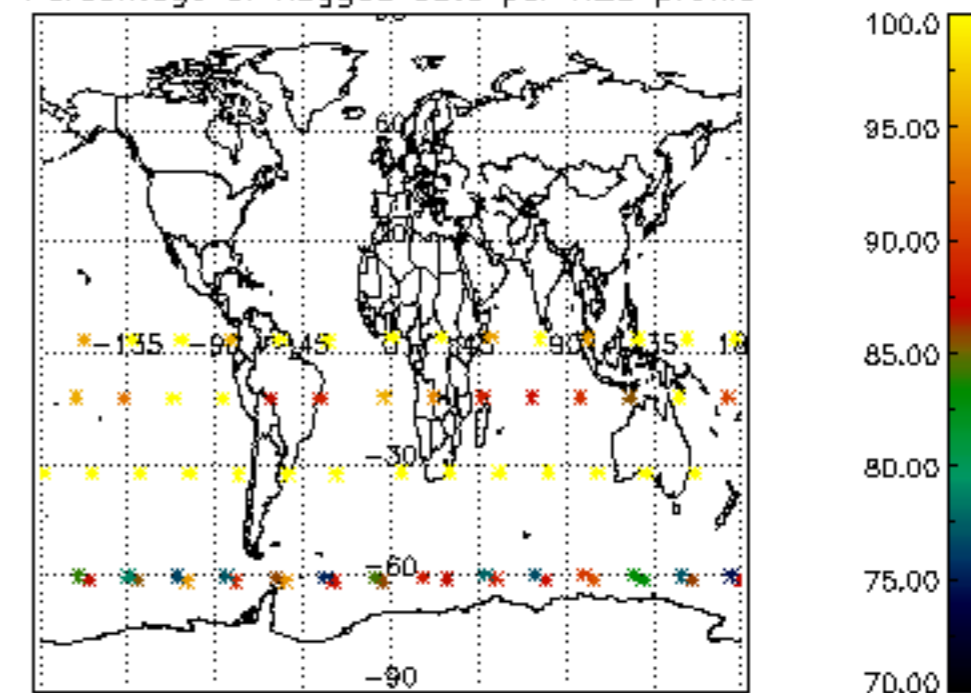




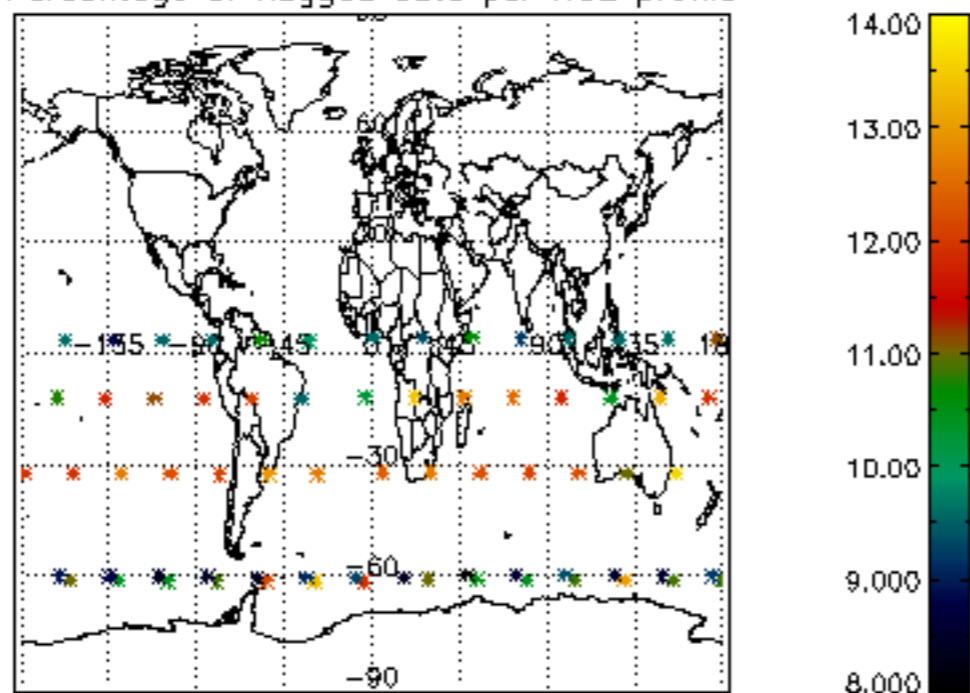
Percentage of flagged data per D3 profile



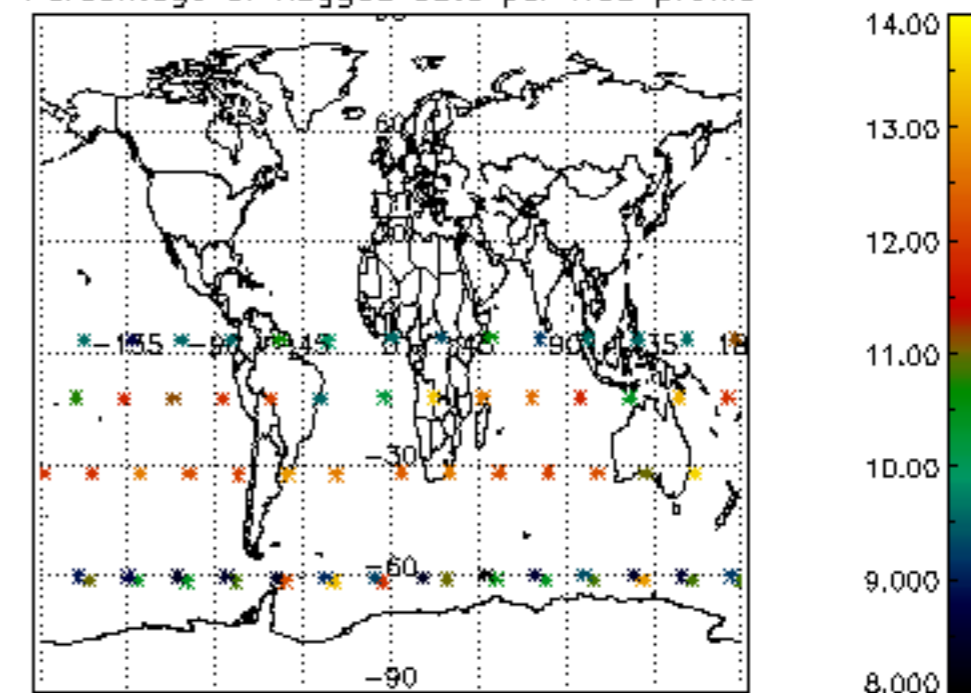
Percentage of flagged data per H2O profile

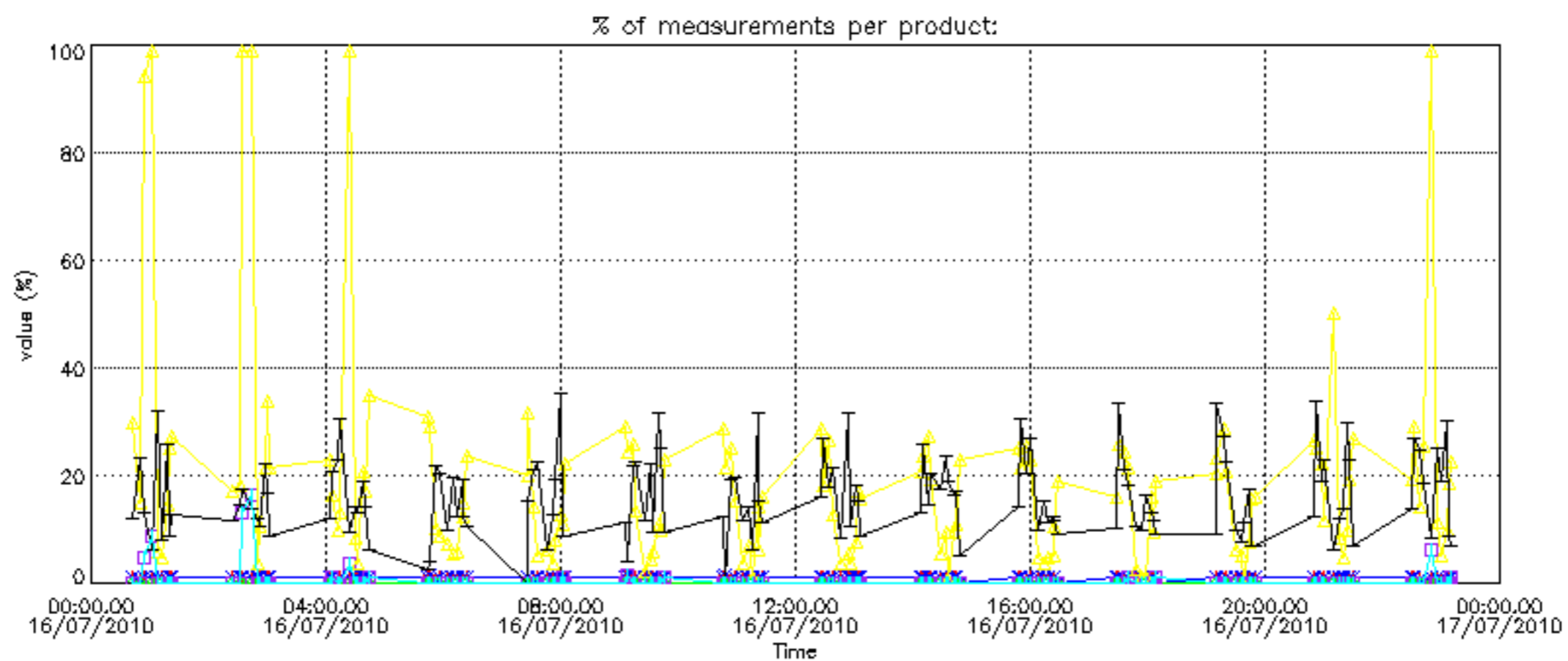
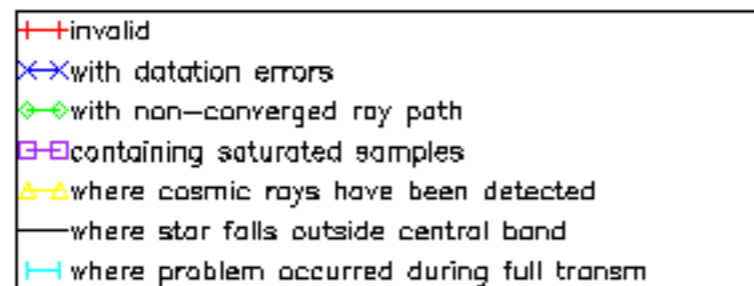


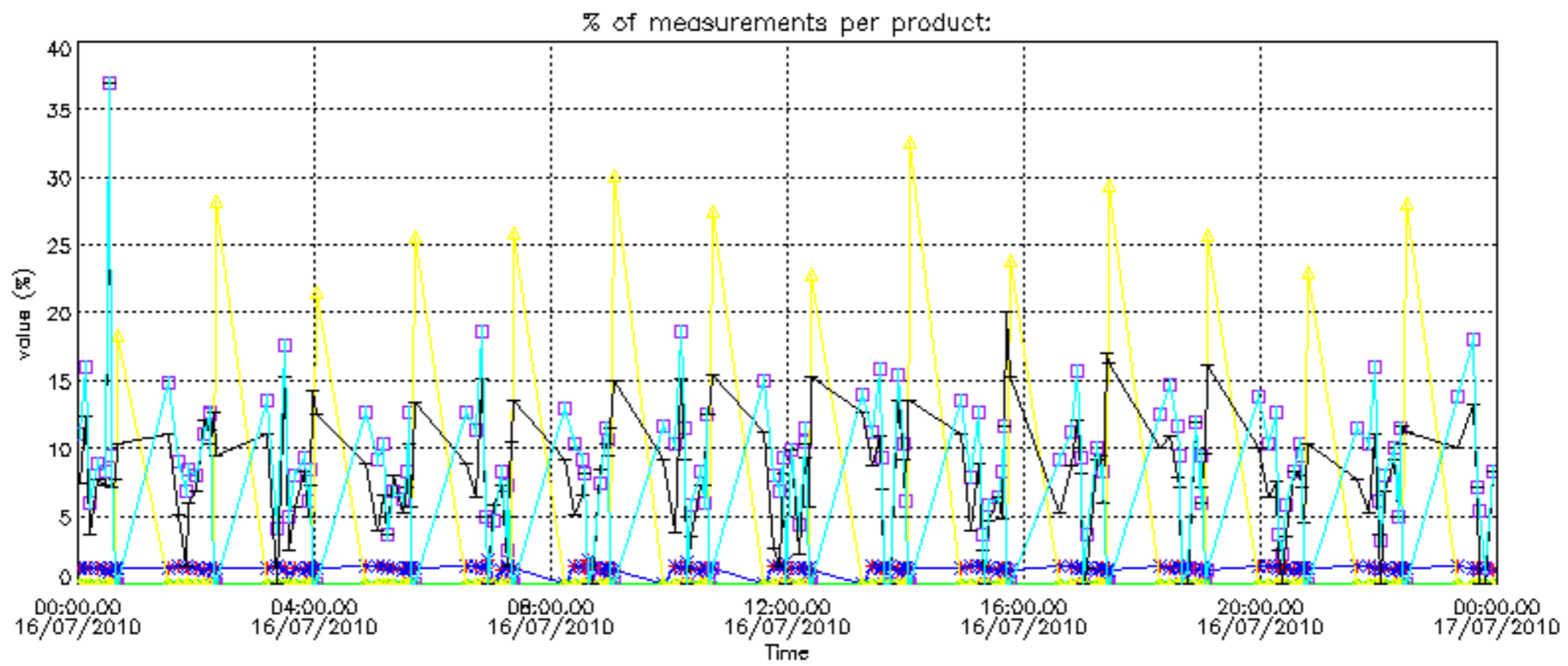
Percentage of flagged data per NO2 profile



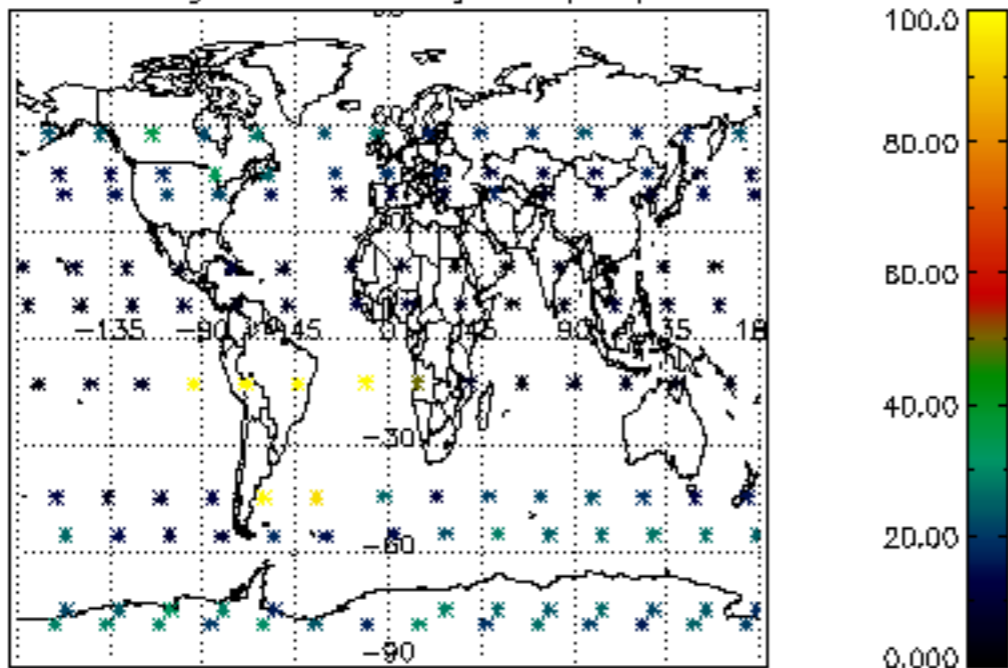
Percentage of flagged data per NO3 profile



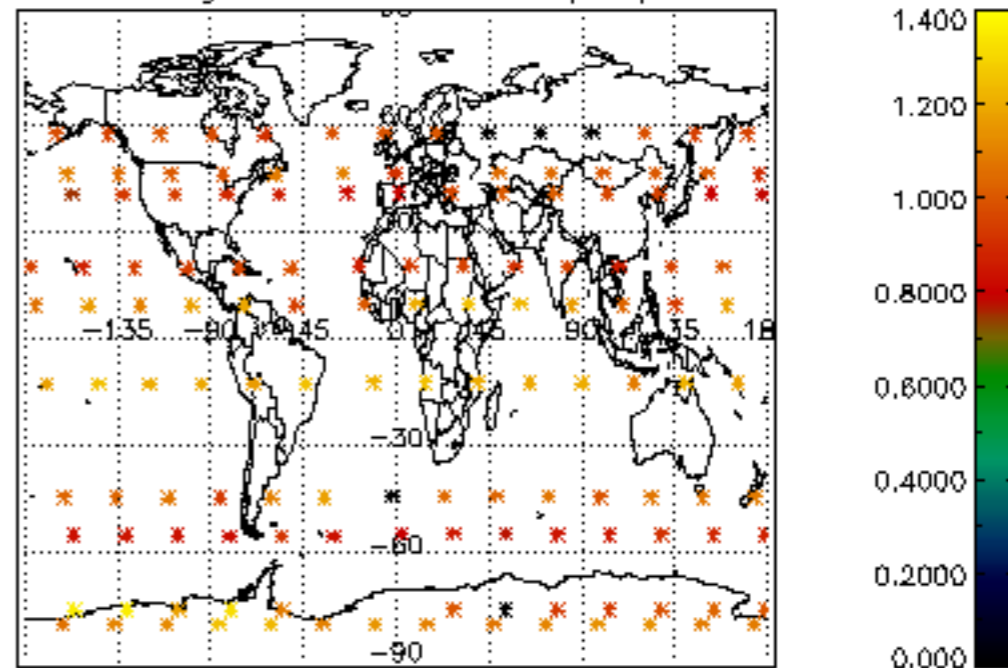




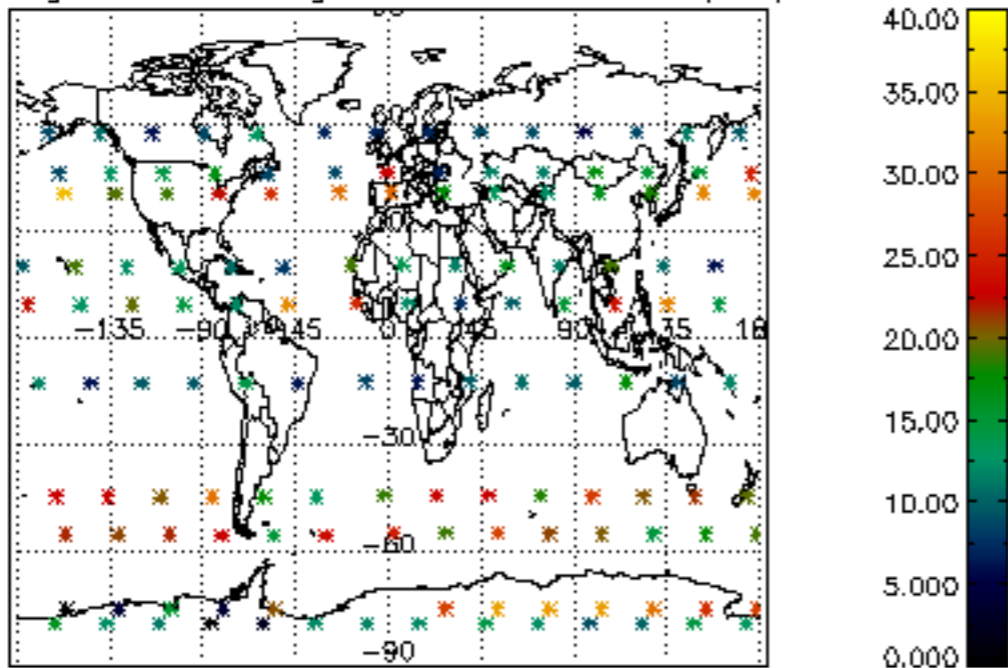
Percentage of cosmic ray hits per profile



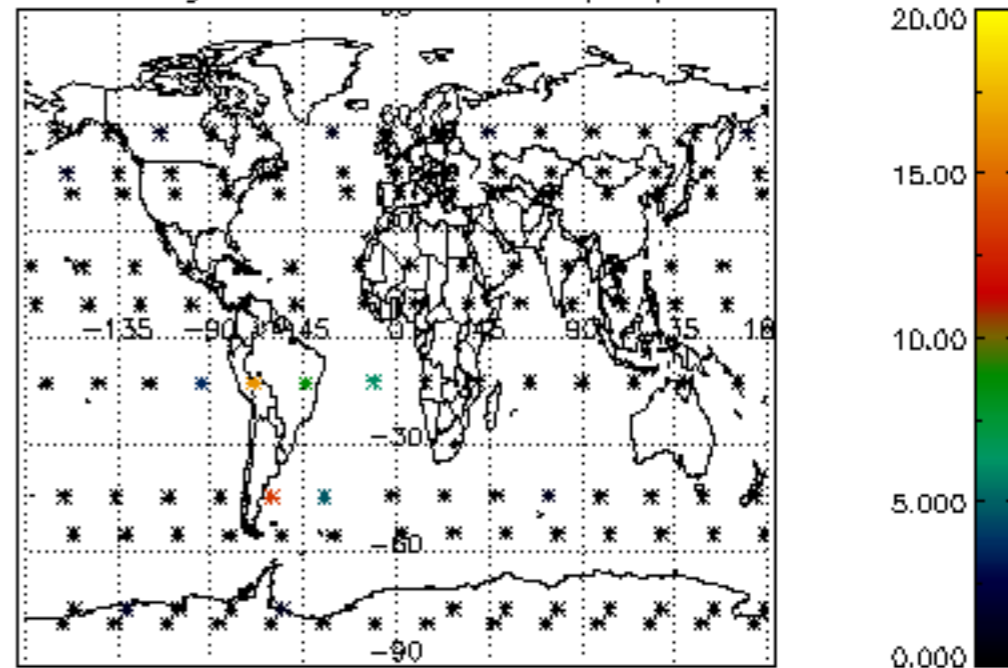
Percentage of datation errors per profile



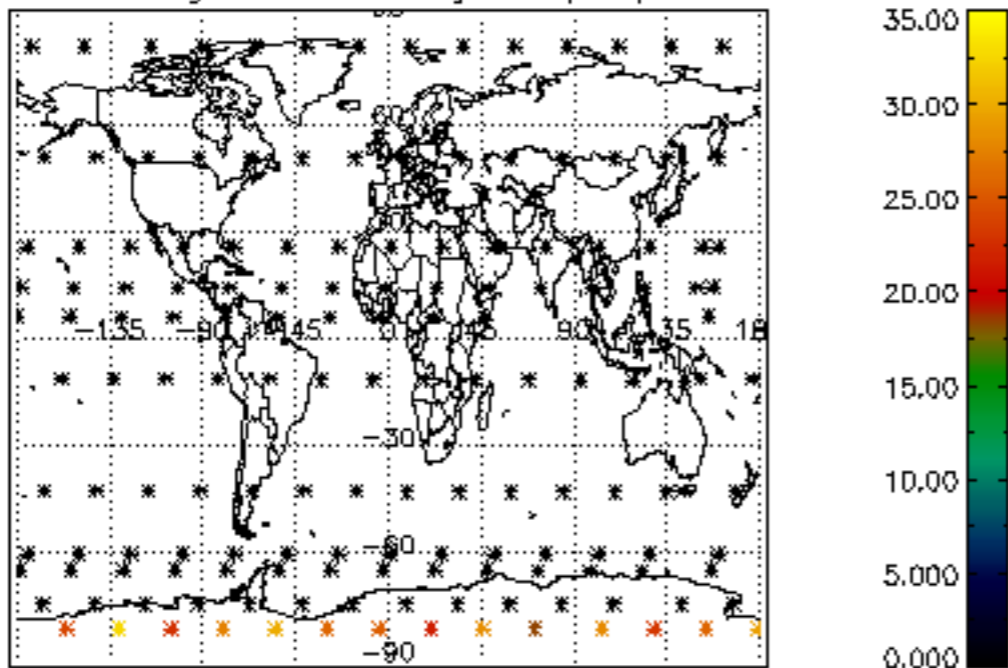
Percentage of star falling outside central band per profile



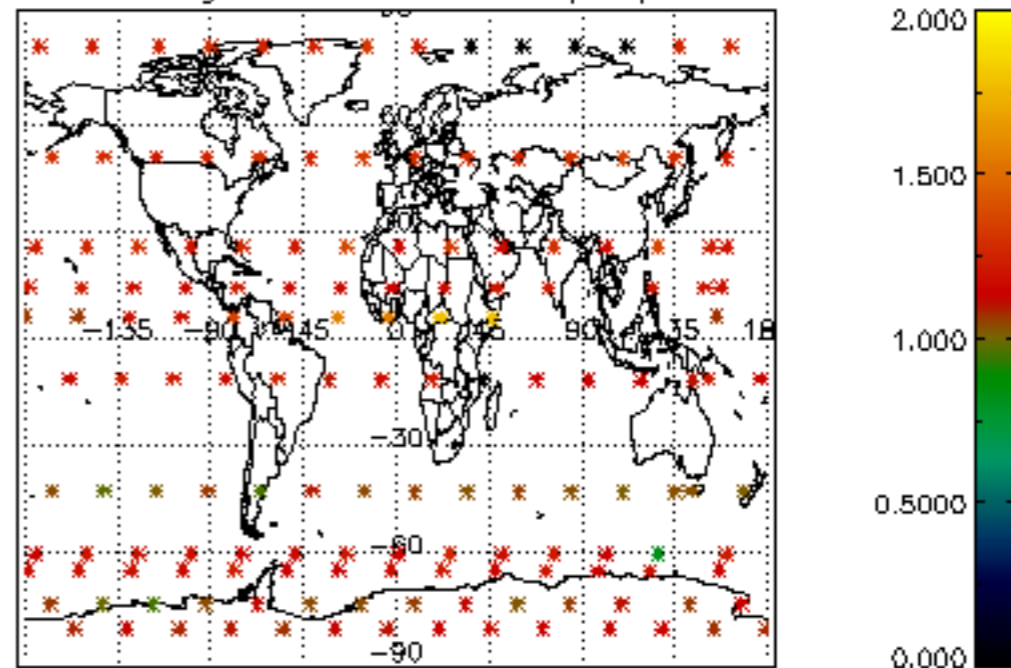
Percentage of saturation errors per profile



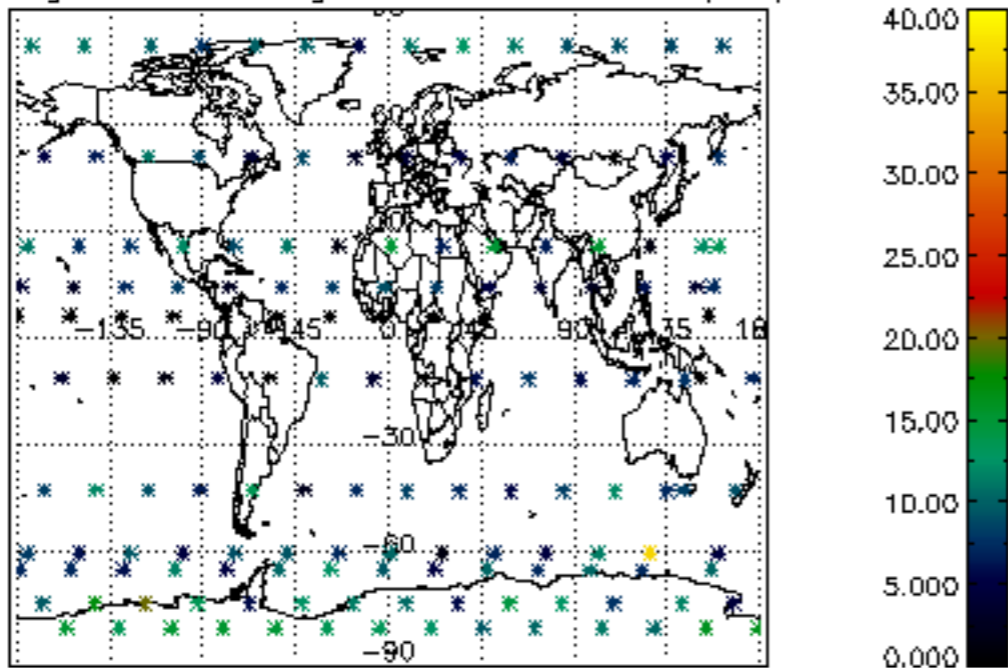
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

