

GOMOS Level 2 Daily Report

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This report presents the daily analysis on parameters extracted from GOMOS level 2 data (GOM_NL__2P).
 It is intended to monitor some important parameters that will impact the quality of these products.
 A list of level 2 products (and content) that have arrived during the reporting day to the PCF is also given.

Item	Value
Time of report generation	18APR2013 17:49:55
Data source version	GOMOS/6.01
Start time of products	21-01-2004 (21JAN2004 00:00:00)
Stop time of products	22-01-2004 (22JAN2004 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	436
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

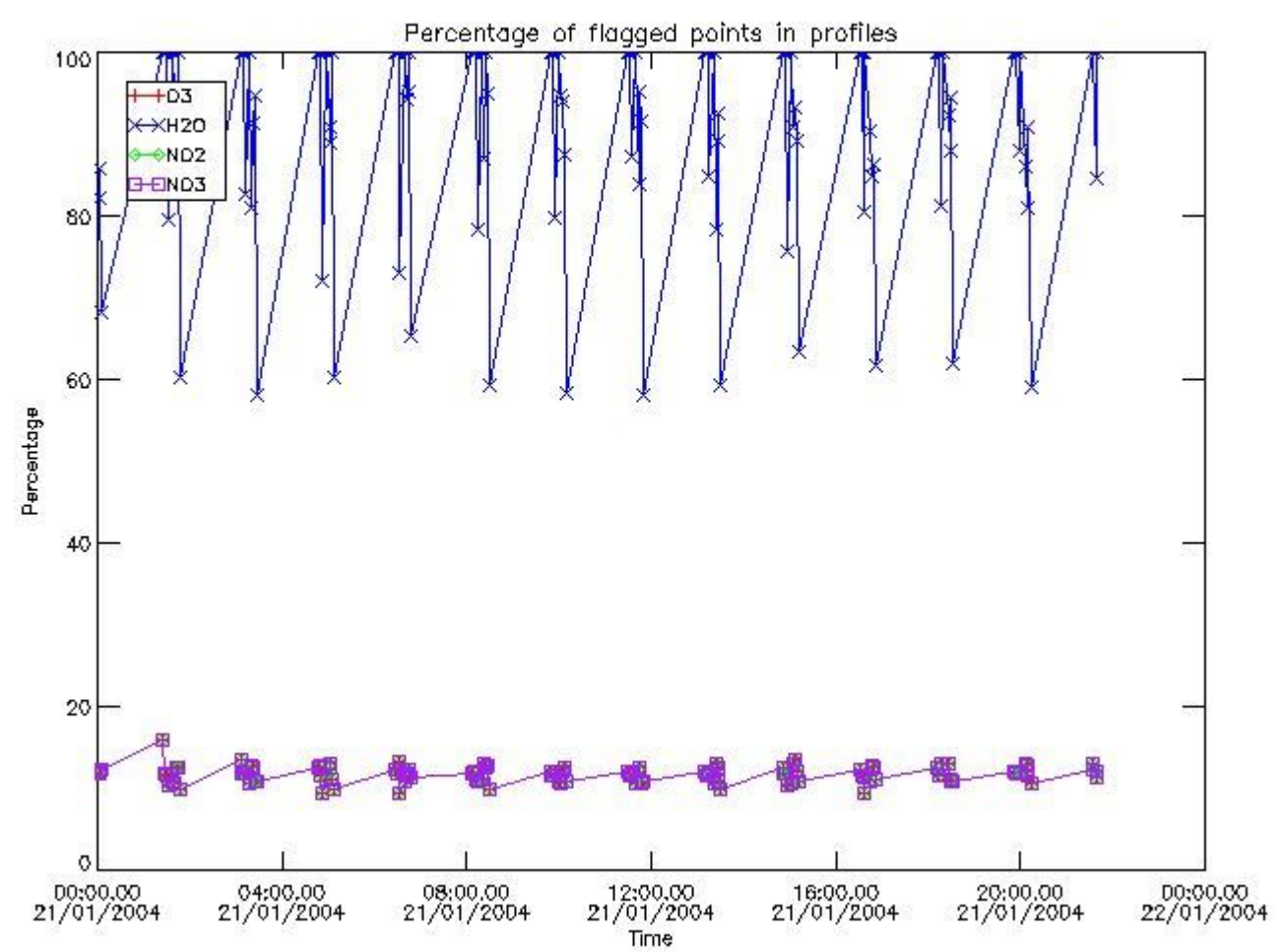
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20040121_000130_000000432023_00317_09890_1228.N1	21-JAN-2004 00:01:30	Dark	42.500	71	lot Car	2.2460	7700.0	85	9890	No
2	GOM_NL__2PRFIN20040121_000321_000000432023_00317_09890_1229.N1	21-JAN-2004 00:03:21	Dark	43.000	46	Del Vel	1.9540	10600.	86	9890	No
3	GOM_NL__2PRFIN20040121_000603_000000462023_00317_09890_1230.N1	21-JAN-2004 00:06:03	Dark	46.000	2	Alp Car	-0.73600	7000.0	92	9890	No
4	GOM_NL__2PRFIN20040121_000806_000000442023_00317_09890_1231.N1	21-JAN-2004 00:08:06	Straylight	44.000	70	Zet Pup	2.2460	39000.	88	9890	No
5	GOM_NL__2PRFIN20040121_000941_000000472023_00317_09890_1232.N1	21-JAN-2004 00:09:41	Straylight	46.500	117	Pi Pup	2.7060	3800.0	93	9890	No
6	GOM_NL__2PRFIN20040121_001210_000000432023_00317_09890_1233.N1	21-JAN-2004 00:12:10	Straylight	43.000	23	21Eps CMa	1.5020	26000.	86	9890	No
7	GOM_NL__2PRFIN20040121_001336_000000412023_00317_09890_1234.N1	21-JAN-2004 00:13:36	Straylight	40.500	179	24Omi2CMa	3.0320	24000.	81	9890	No
8	GOM_NL__2PRFIN20040121_001546_000000472023_00317_09890_1235.N1	21-JAN-2004 00:15:46	Straylight	46.500	1	9Alp CMa	-1.4400	11000.	93	9890	No
9	GOM_NL__2PRFIN20040121_001821_000000772023_00317_09890_1236.N1	21-JAN-2004 00:18:21	Straylight	76.500	48	30Alp Hya	1.9770	4100.0	153	9890	No
10	GOM_NL__2PRFIN20040121_002210_000000532023_00317_09890_1237.N1	21-JAN-2004 00:22:10	Twilight	53.000	8	10Alp CMi	0.40000	6500.0	106	9890	No
11	GOM_NL__2PRFIN20040121_002513_000000432023_00317_09890_1238.N1	21-JAN-2004 00:25:13	Bright	42.500	44	24Gam Gem	1.9280	11000.	85	9890	No
12	GOM_NL__2PRFIN20040121_002659_000000402023_00317_09890_1239.N1	21-JAN-2004 00:26:59	Bright	40.000	151	13Mu Gem	2.8900	3000.0	80	9890	No
13	GOM_NL__2PRFIN20040121_002906_000000382023_00317_09890_1240.N1	21-JAN-2004 00:29:06	Bright	38.000	28	12Bet Tau	1.6500	15200.	76	9890	No
14	GOM_NL__2PRFIN20040121_003111_000000372023_00317_09890_1241.N1	21-JAN-2004 00:31:11	Bright	37.000	107	37The Aur	2.6490	11000.	74	9890	No
15	GOM_NL__2PRFIN20040121_003320_000000382023_00317_09890_1242.N1	21-JAN-2004 00:33:20	Bright	38.000	42	34Bet Aur	1.9000	10200.	76	9890	No
16	GOM_NL__2PRFIN20040121_003508_000000792023_00317_09890_1243.N1	21-JAN-2004 00:35:08	Bright	79.000	166	17Eps Leo	2.9800	6000.0	158	9890	No
17	GOM_NL__2PRFIN20040121_004112_000002252023_00317_09890_1244.N1	21-JAN-2004 00:41:12	Twilight	225.00	51	41Gam1Leo	2.0100	4500.0	450	9890	No
18	GOM_NL__2PRFIN20040121_004554_000000352023_00317_09890_1245.N1	21-JAN-2004 00:45:54	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	9890	No
19	GOM_NL__2PRFIN20040121_004938_000000412023_00317_09890_1246.N1	21-JAN-2004 00:49:38	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	9890	No
20	GOM_NL__2PRFIN20040121_005125_000000542023_00317_09890_1247.N1	21-JAN-2004 00:51:25	Bright	54.000	32	77Eps UMa	1.7630	11000.	108	9890	No
21	GOM_NL__2PRFIN20040121_005405_000000412023_00317_09890_1248.N1	21-JAN-2004 00:54:05	Bright	40.500	119	14Eta Dra	2.7270	4700.0	81	9890	No
22	GOM_NL__2PRFIN20040121_005542_000000552023_00317_09890_1249.N1	21-JAN-2004 00:55:42	Bright	55.000	39	85Eta UMa	1.8540	24000.	110	9890	No
23	GOM_NL__2PRFIN20040121_010006_000000382023_00317_09890_1250.N1	21-JAN-2004 01:00:06	Bright	37.500	5	3Alp Lyr	0.033000	11000.	75	9890	No
24	GOM_NL__2PRFIN20040121_010312_000000382023_00317_09890_1251.N1	21-JAN-2004 01:03:12	Bright	38.000	133	40Zet Her	2.8070	6000.0	76	9890	No
25	GOM_NL__2PRFIN20040121_010619_000000662023_00317_09890_1252.N1	21-JAN-2004 01:06:19	Bright	65.500	83		2.3780	11000.	131	9890	No
26	GOM_NL__2PRFIN20040121_011139_000001092023_00317_09890_1253.N1	21-JAN-2004 01:11:39	Twilight	109.00	3	16Alp Boo	-0.050000	4250.0	218	9890	No
27	GOM_NL__2PRFIN20040121_011419_000001492023_00317_09890_1254.N1	21-JAN-2004 01:14:19	Straylight	149.00	111	8Eta Boo	2.6800	6000.0	298	9890	No
28	GOM_NL__2PRFIN20040121_012005_000000472023_00317_09890_1255.N1	21-JAN-2004 01:20:05	Twilight	46.500	16	21Alp Sco	1.0200	3000.0	93	9890	No
29	GOM_NL__2PRFIN20040121_012532_000000452023_00317_09890_1256.N1	21-JAN-2004 01:25:32	Dark	44.500	131	Gam Lup	2.8000	26000.	89	9890	No
30	GOM_NL__2PRFIN20040121_012726_000000442023_00317_09890_1257.N1	21-JAN-2004 01:27:26	Dark	43.500	109	Bet Lup	2.6770	26000.	87	9890	No
31	GOM_NL__2PRFIN20040121_012856_000000442023_00317_09890_1258.N1	21-JAN-2004 01:28:56	Dark	44.000	78	Alp Lup	2.3040	28000.	88	9890	No
32	GOM_NL__2PRFIN20040121_013114_000000502023_00318_09891_1177.N1	21-JAN-2004 01:31:14	Dark	49.500	4	Alp1Cen	-0.010000	5800.0	99	9891	No
33	GOM_NL__2PRFIN20040121_013659_000000482023_00318_09891_1178.N1	21-JAN-2004 01:36:59	Dark	47.500	99	Del Cen	2.5750	26000.	95	9891	No
34	GOM_NL__2PRFIN20040121_014003_000000482023_00318_09891_1179.N1	21-JAN-2004 01:40:03	Dark	48.000	29	Bet Car	1.6720	10200.	96	9891	No
35	GOM_NL__2PRFIN20040121_014207_000000412023_00318_09891_1180.N1	21-JAN-2004 01:42:07	Dark	41.000	71	lot Car	2.2460	7700.0	82	9891	No
36	GOM_NL__2PRFIN20040121_014357_000000412023_00318_09891_1181.N1	21-JAN-2004 01:43:57	Dark	41.000	46	Del Vel	1.9540	10600.	82	9891	No
37	GOM_NL__2PRFIN20040121_014638_000000522023_00318_09891_1182.N1	21-JAN-2004 01:46:38	Dark	52.000	2	Alp Car	-0.73600	7000.0	104	9891	No
38	GOM_NL__2PRFIN20040121_014842_000000472023_00318_09891_1183.N1	21-JAN-2004 01:48:42	Straylight	47.000	70	Zet Pup	2.2460	39000.	94	9891	No
39	GOM_NL__2PRFIN20040121_015017_000000472023_00318_09891_1184.N1	21-JAN-2004 01:50:17	Straylight	46.500	117	Pi Pup	2.7060	3800.0	93	9891	No
40	GOM_NL__2PRFIN20040121_015246_000000472023_00318_09891_1185.N1	21-JAN-2004 01:52:46	Straylight	47.000	23	21Eps CMa	1.5020	26000.	94	9891	No
41	GOM_NL__2PRFIN20040121_015412_000000422023_00318_09891_1186.N1	21-JAN-2004 01:54:12	Straylight	41.500	179	24Omi2CMa	3.0320	24000.	83	9891	No
42	GOM_NL__2PRFIN20040121_015622_000000522023_00318_09891_1187.N1	21-JAN-2004 01:56:22	Straylight	52.000	1	9Alp CMa	-1.4400	11000.	104	9891	No

397	GOM_NL__2PRFIN20040121_194818_000000452023_00328_09901_0967.N1	21-JAN-2004 19:48:18	Twilight	44.500	75	26Eps Sco	2.2910	4250.0	89	9901	No
398	GOM_NL__2PRFIN20040121_195214_000000422023_00328_09901_0968.N1	21-JAN-2004 19:52:14	Dark	42.000	131	Gam Lup	2.8000	26000.	84	9901	No
399	GOM_NL__2PRFIN20040121_195410_000000432023_00328_09901_0969.N1	21-JAN-2004 19:54:10	Dark	43.000	109	Bet Lup	2.6770	26000.	86	9901	No
400	GOM_NL__2PRFIN20040121_195755_000000422023_00329_09902_0935.N1	21-JAN-2004 19:57:55	Dark	42.000	4	Alp1Cen	-0.010000	5800.0	84	9902	No
401	GOM_NL__2PRFIN20040121_195913_000000432023_00329_09902_0936.N1	21-JAN-2004 19:59:13	Dark	43.000	77	Eps Cen	2.3030	28000.	86	9902	No
402	GOM_NL__2PRFIN20040121_200641_000000402023_00329_09902_0937.N1	21-JAN-2004 20:06:41	Dark	39.500	29	Bet Car	1.6720	10200.	79	9902	No
403	GOM_NL__2PRFIN20040121_200847_000000402023_00329_09902_0938.N1	21-JAN-2004 20:08:47	Dark	40.000	71	lot Car	2.2460	7700.0	80	9902	No
404	GOM_NL__2PRFIN20040121_201037_000000452023_00329_09902_0939.N1	21-JAN-2004 20:10:37	Dark	44.500	46	Del Vel	1.9540	10600.	89	9902	No
405	GOM_NL__2PRFIN20040121_201316_000000482023_00329_09902_0940.N1	21-JAN-2004 20:13:16	Dark	48.000	2	Alp Car	-0.73600	7000.0	96	9902	No
406	GOM_NL__2PRFIN20040121_201523_000000432023_00329_09902_0941.N1	21-JAN-2004 20:15:23	Straylight	42.500	70	Zet Pup	2.2460	39000.	85	9902	No
407	GOM_NL__2PRFIN20040121_201655_000000472023_00329_09902_0942.N1	21-JAN-2004 20:16:55	Straylight	47.000	117	Pi Pup	2.7060	3800.0	94	9902	No
408	GOM_NL__2PRFIN20040121_201925_000000452023_00329_09902_0943.N1	21-JAN-2004 20:19:25	Straylight	44.500	23	21Eps CMa	1.5020	26000.	89	9902	No
409	GOM_NL__2PRFIN20040121_202049_000000412023_00329_09902_0944.N1	21-JAN-2004 20:20:49	Straylight	41.000	179	24Omi2CMa	3.0320	24000.	82	9902	No
410	GOM_NL__2PRFIN20040121_202300_000000452023_00329_09902_0945.N1	21-JAN-2004 20:23:00	Straylight	45.000	1	9Alp CMa	-1.4400	11000.	90	9902	No
411	GOM_NL__2PRFIN20040121_202532_000000412023_00329_09902_0946.N1	21-JAN-2004 20:25:32	Straylight	41.000	56	53Kap Ori	2.0650	30000.	82	9902	No
412	GOM_NL__2PRFIN20040121_202644_000000422023_00329_09902_0947.N1	21-JAN-2004 20:26:44	Twilight_and_stray	41.500	125	44lot Ori	2.7700	30000.	83	9902	No
413	GOM_NL__2PRFIN20040121_202801_000000442023_00329_09902_0948.N1	21-JAN-2004 20:28:01	Twilight_and_stray	43.500	30	46Eps Ori	1.6940	30000.	87	9902	No
414	GOM_NL__2PRFIN20040121_203010_000000522023_00329_09902_0949.N1	21-JAN-2004 20:30:10	Twilight_and_stray	52.000	14	58Alp Ori	0.87000	3000.0	104	9902	No
415	GOM_NL__2PRFIN20040121_203226_000000492023_00329_09902_0950.N1	21-JAN-2004 20:32:26	Bright	49.000	44	24Gam Gem	1.9280	11000.	98	9902	No
416	GOM_NL__2PRFIN20040121_203410_000000402023_00329_09902_0951.N1	21-JAN-2004 20:34:10	Bright	39.500	151	13Mu Gem	2.8900	3000.0	79	9902	No
417	GOM_NL__2PRFIN20040121_203620_000000382023_00329_09902_0952.N1	21-JAN-2004 20:36:20	Bright	37.500	28	12Bet Tau	1.6500	15200.	75	9902	No
418	GOM_NL__2PRFIN20040121_203822_000000372023_00329_09902_0953.N1	21-JAN-2004 20:38:22	Bright	37.000	107	37The Aur	2.6490	11000.	74	9902	No
419	GOM_NL__2PRFIN20040121_204032_000000392023_00329_09902_0954.N1	21-JAN-2004 20:40:32	Bright	38.500	42	34Bet Aur	1.9000	10200.	77	9902	No
420	GOM_NL__2PRFIN20040121_204712_0000002382023_00329_09902_0955.N1	21-JAN-2004 20:47:12	Bright	237.50	51	41Gam1Leo	2.0100	4500.0	475	9902	No
421	GOM_NL__2PRFIN20040121_205304_000000382023_00329_09902_0956.N1	21-JAN-2004 20:53:04	Bright	37.500	49	1Alp UMi	1.9900	6300.0	75	9902	No
422	GOM_NL__2PRFIN20040121_205646_000000392023_00329_09902_0957.N1	21-JAN-2004 20:56:46	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	9902	No
423	GOM_NL__2PRFIN20040121_205827_000000542023_00329_09902_0958.N1	21-JAN-2004 20:58:27	Bright	54.000	32	77Eps UMa	1.7630	11000.	108	9902	No
424	GOM_NL__2PRFIN20040121_210115_000000412023_00329_09902_0959.N1	21-JAN-2004 21:01:15	Bright	40.500	119	14Eta Dra	2.7270	4700.0	81	9902	No
425	GOM_NL__2PRFIN20040121_210247_000000592023_00329_09902_0960.N1	21-JAN-2004 21:02:47	Bright	58.500	39	85Eta UMa	1.8540	24000.	117	9902	No
426	GOM_NL__2PRFIN20040121_210719_000000382023_00329_09902_0961.N1	21-JAN-2004 21:07:19	Bright	37.500	5	3Alp Lyr	0.033000	11000.	75	9902	No
427	GOM_NL__2PRFIN20040121_211024_000000392023_00329_09902_0962.N1	21-JAN-2004 21:10:24	Bright	39.000	133	40Zet Her	2.8070	6000.0	78	9902	No
428	GOM_NL__2PRFIN20040121_211334_000000672023_00329_09902_0963.N1	21-JAN-2004 21:13:34	Bright	66.500	83		2.3780	11000.	133	9902	No
429	GOM_NL__2PRFIN20040121_211905_000001362023_00329_09902_0964.N1	21-JAN-2004 21:19:05	Twilight_and_stray	136.00	3	16Alp Boo	-0.050000	4250.0	272	9902	No
430	GOM_NL__2PRFIN20040121_212159_000001602023_00329_09902_0965.N1	21-JAN-2004 21:21:59	Straylight	160.00	111	8Eta Boo	2.6800	6000.0	320	9902	No
431	GOM_NL__2PRFIN20040121_212722_000000492023_00329_09902_0966.N1	21-JAN-2004 21:27:22	Twilight	48.500	16	21Alp Sco	1.0200	3000.0	97	9902	No
432	GOM_NL__2PRFIN20040121_212854_000000472023_00329_09902_0967.N1	21-JAN-2004 21:28:54	Twilight	47.000	75	26Eps Sco	2.2910	4250.0	94	9902	No
433	GOM_NL__2PRFIN20040121_213250_000000422023_00329_09902_0968.N1	21-JAN-2004 21:32:50	Dark	41.500	131	Gam Lup	2.8000	26000.	83	9902	No
434	GOM_NL__2PRFIN20040121_213446_000000432023_00329_09902_0969.N1	21-JAN-2004 21:34:46	Dark	43.000	109	Bet Lup	2.6770	26000.	86	9902	No
435	GOM_NL__2PRFIN20040121_213832_000000432023_00330_09903_0956.N1	21-JAN-2004 21:38:32	Dark	42.500	4	Alp1Cen	-0.010000	5800.0	85	9903	No
436	GOM_NL__2PRFIN20040121_213949_000000452023_00330_09903_0957.N1	21-JAN-2004 21:39:49	Dark	45.000	77	Eps Cen	2.3030	28000.	90	9903	No

3. Quality information per product

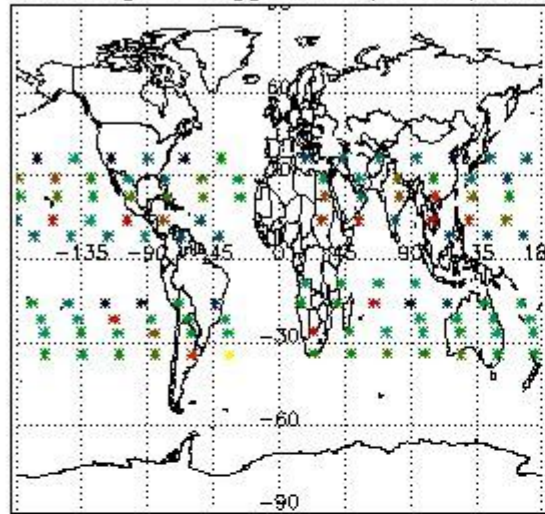
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

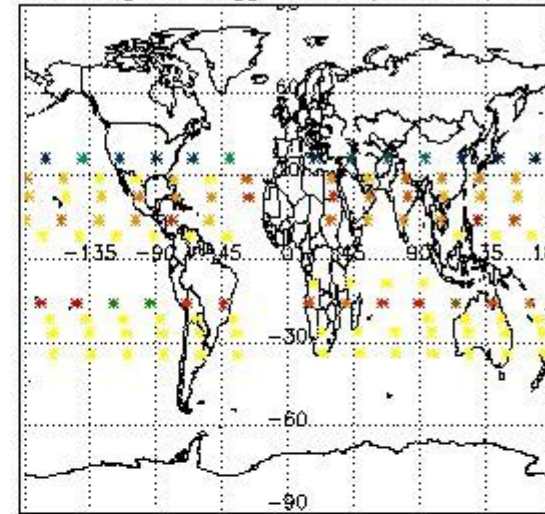


3.2 Plot quality information per product (world map)

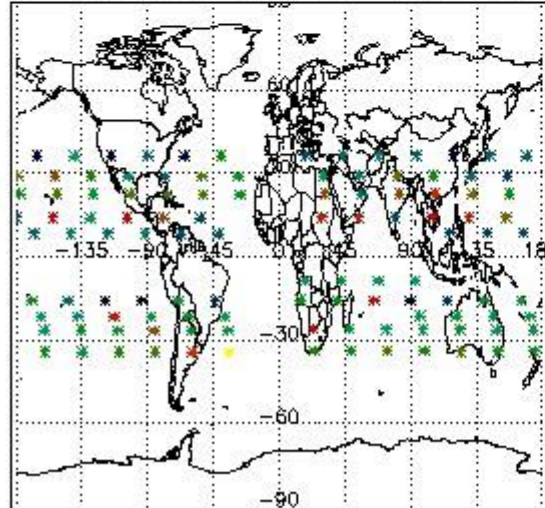
Percentage of flagged data per O3 profile



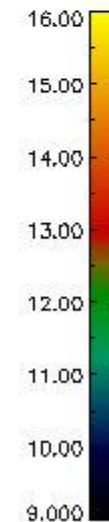
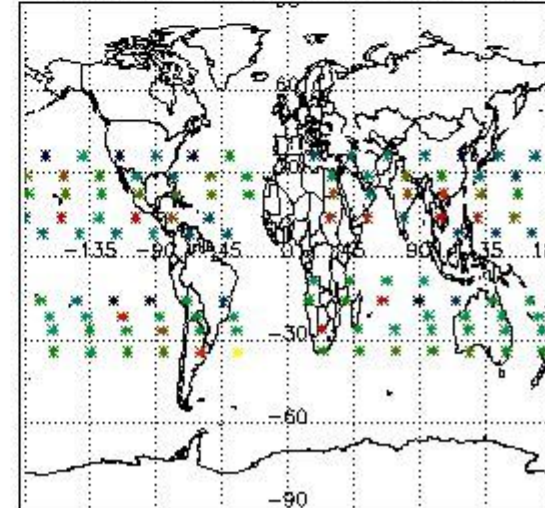
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

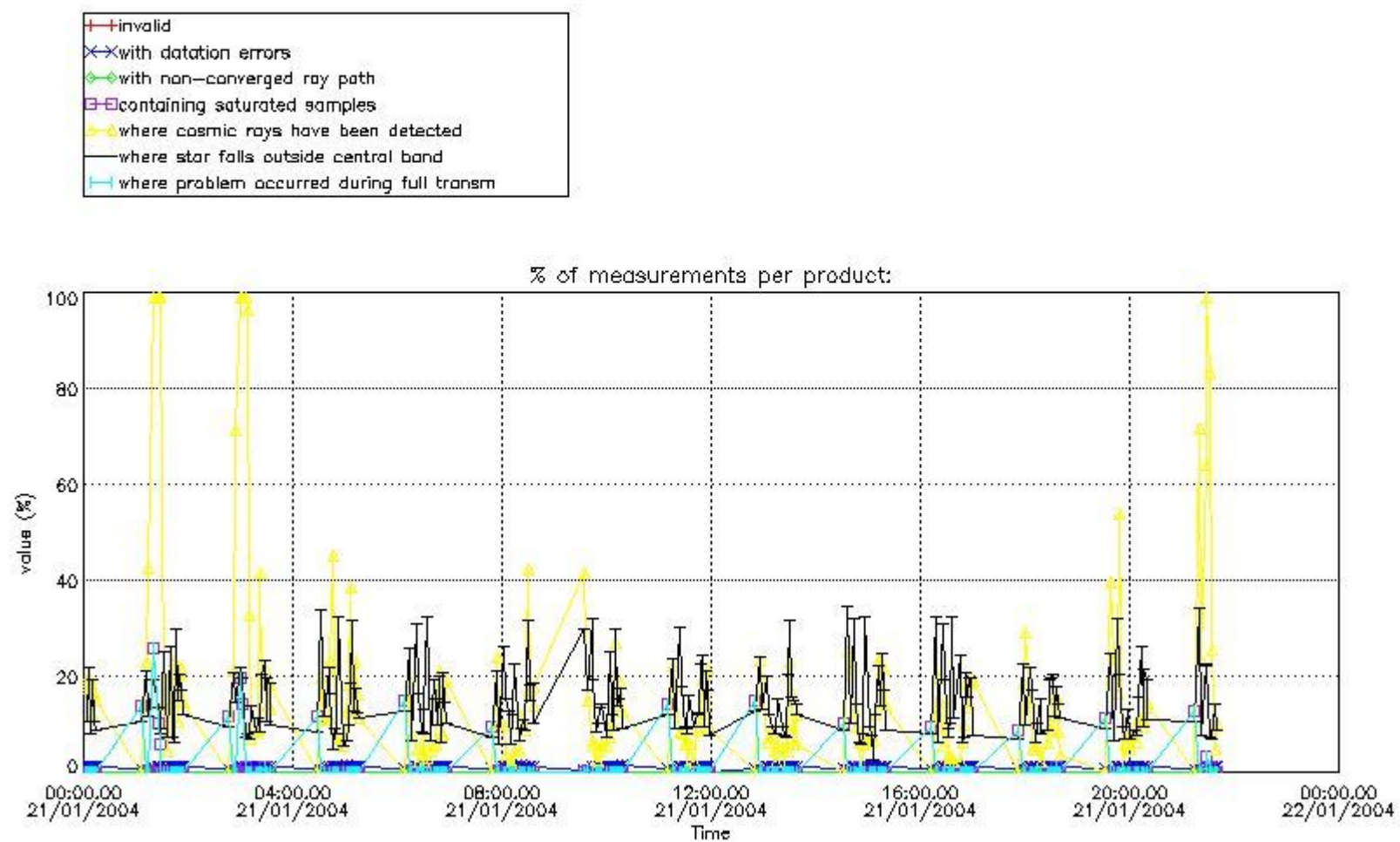


4. Level 1 quality information per product

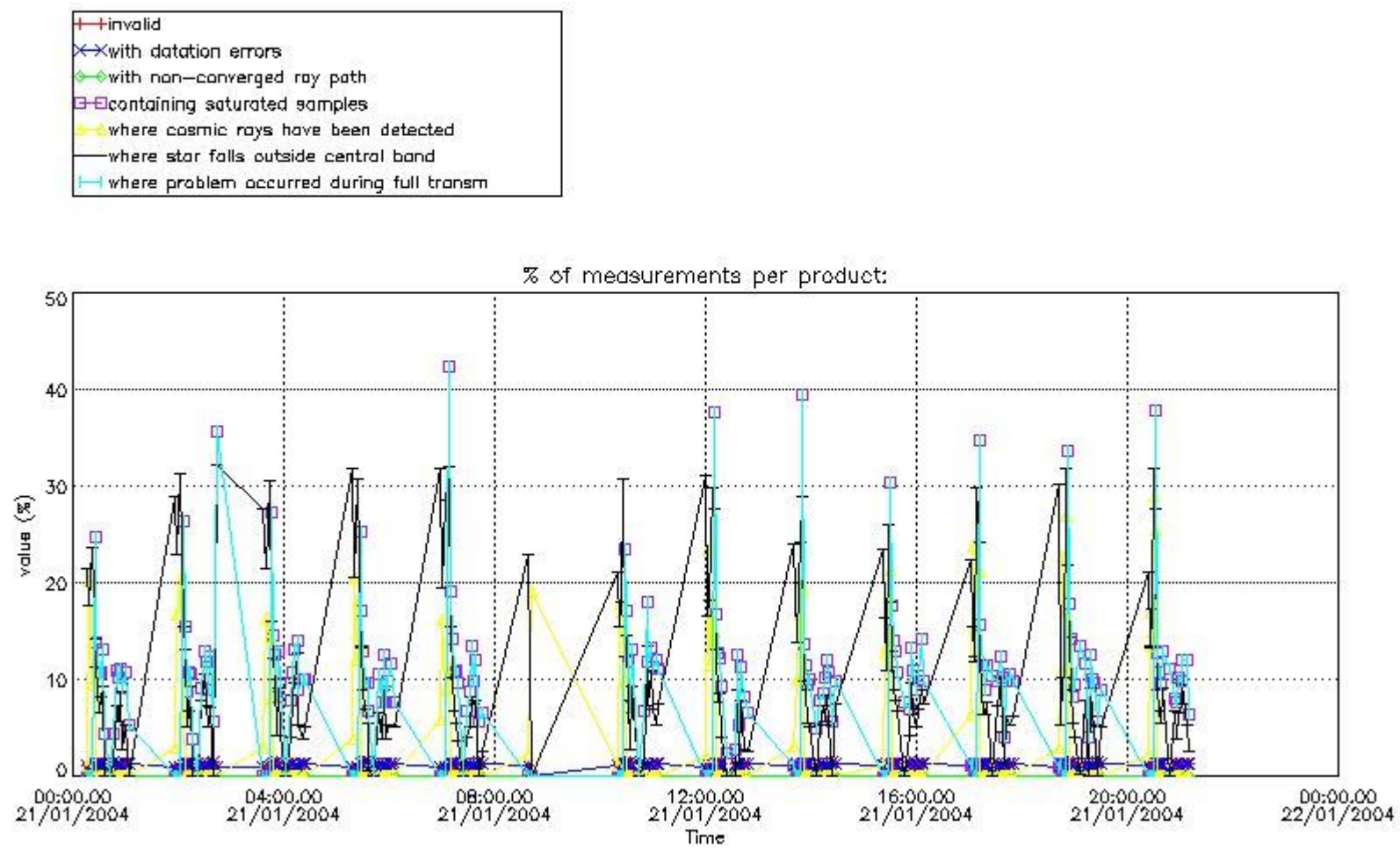
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

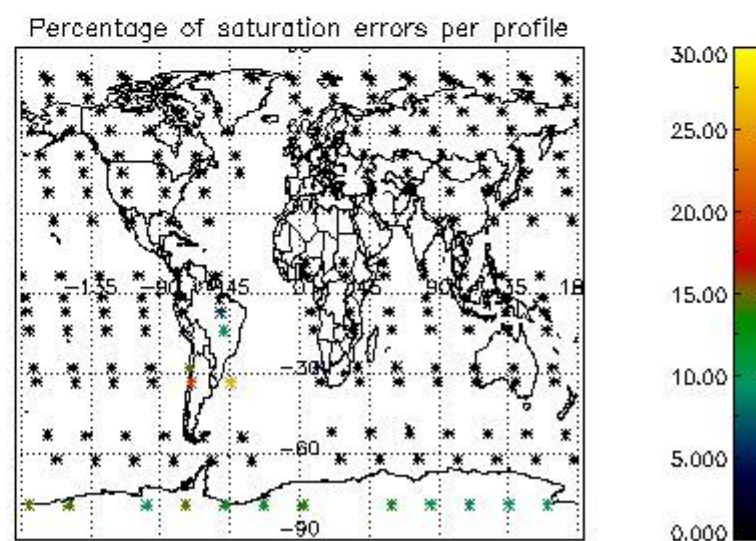
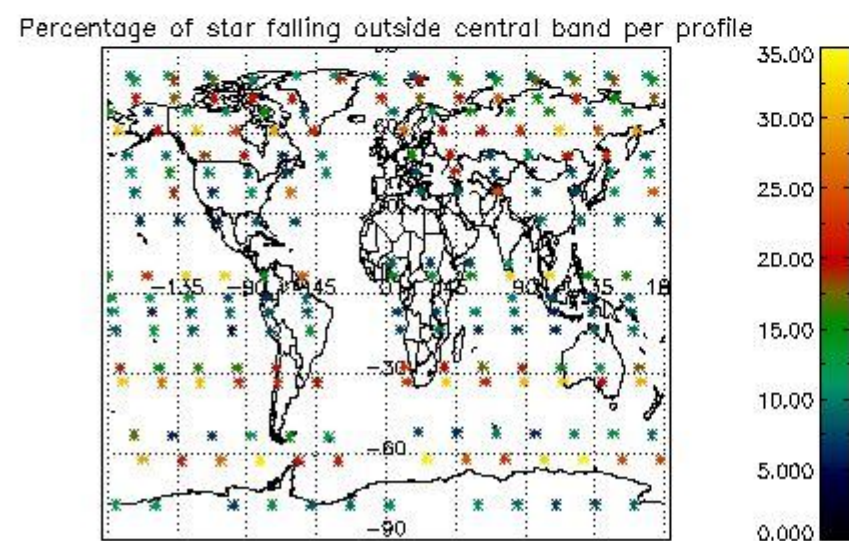
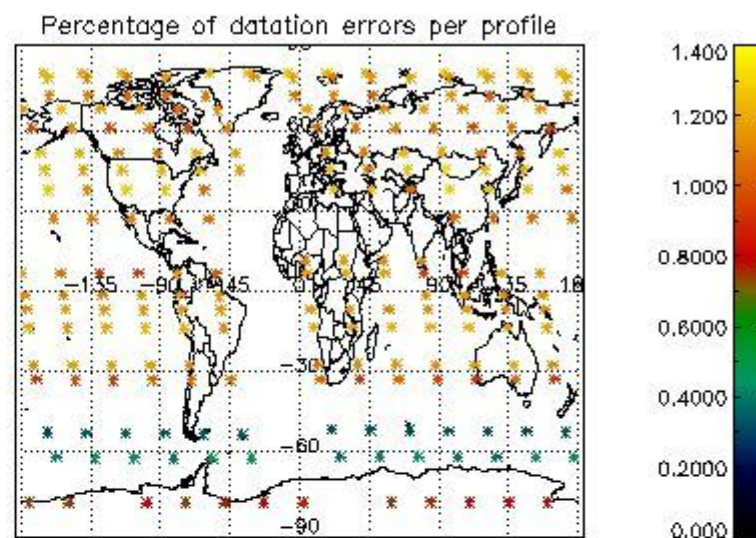
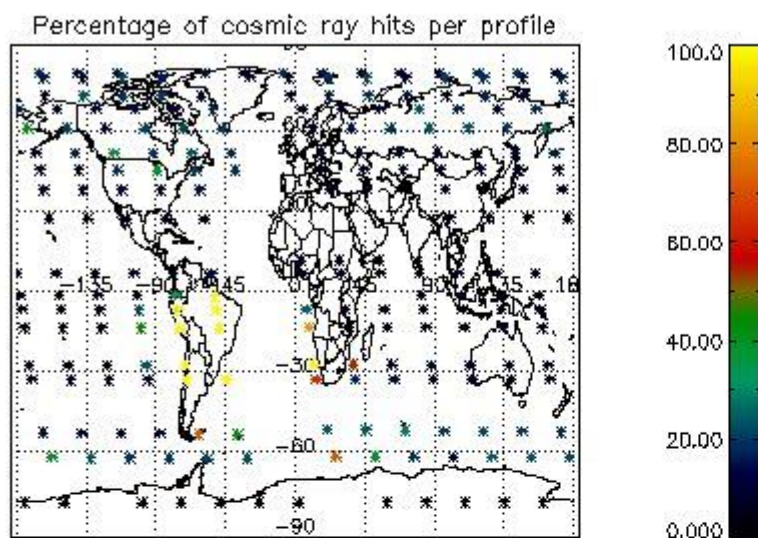


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

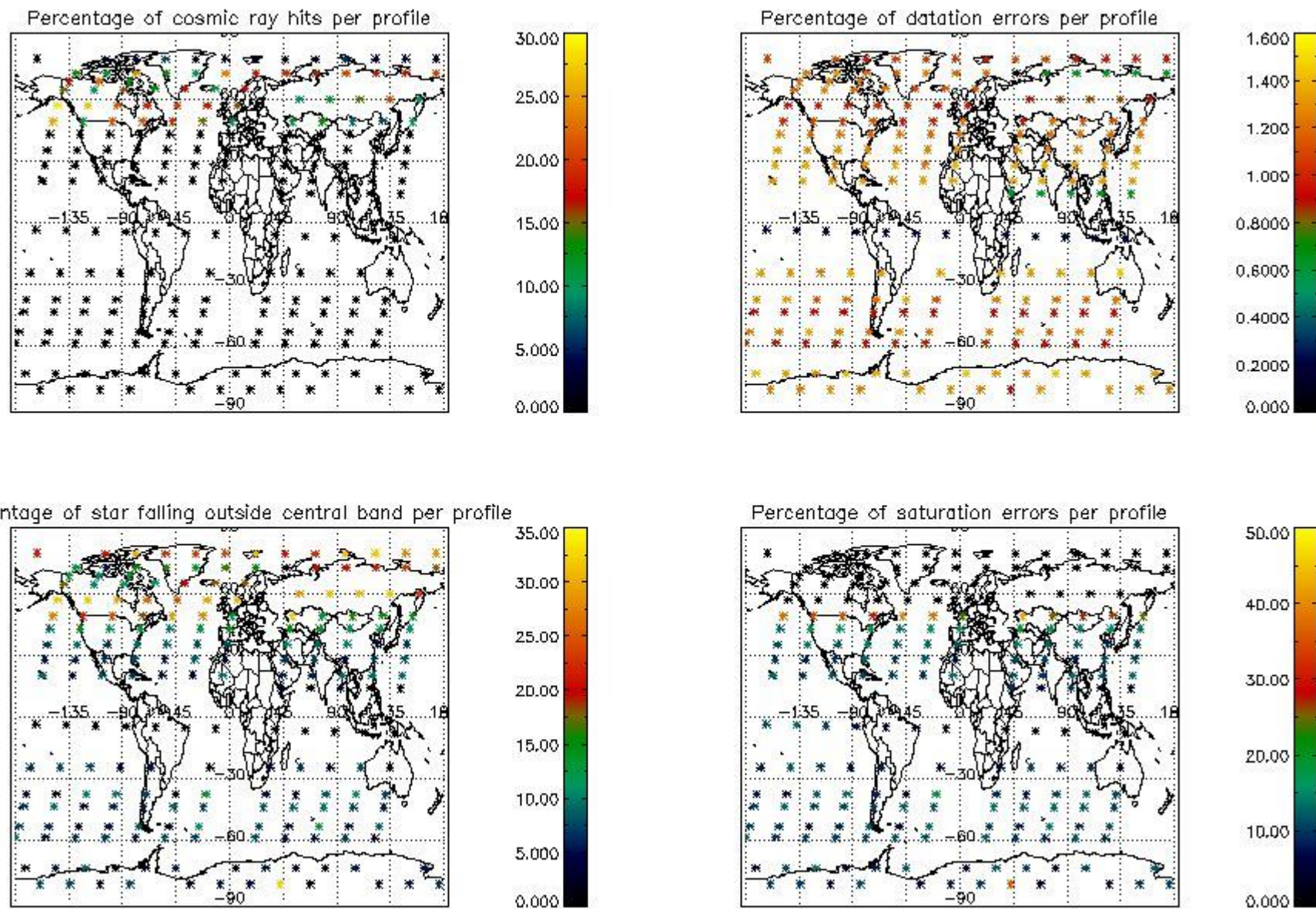


4.2 Plot quality information per product coming from level 1b processing (world map)

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



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

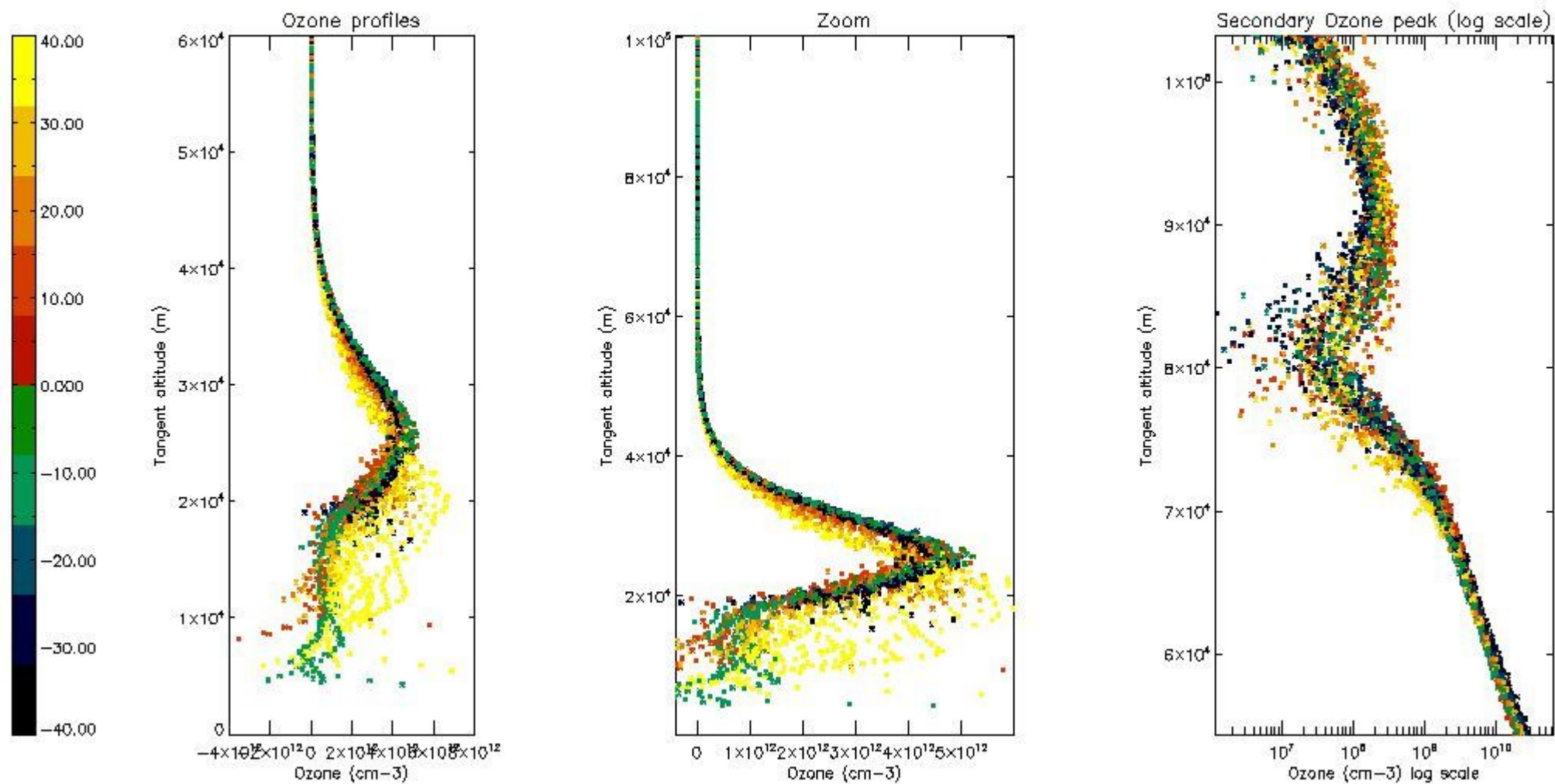
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

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

STD < 10	11
STD < 5	8

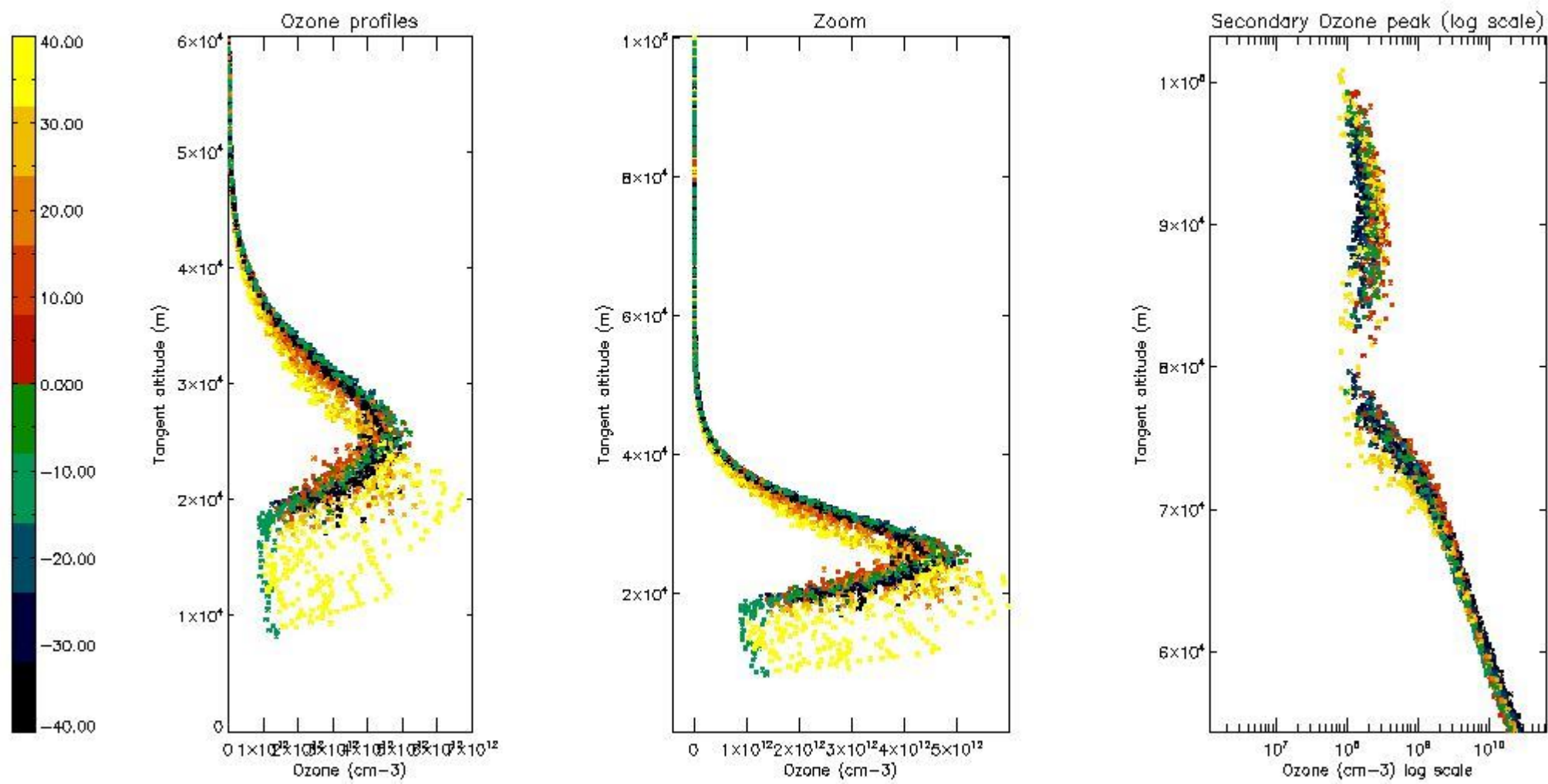
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



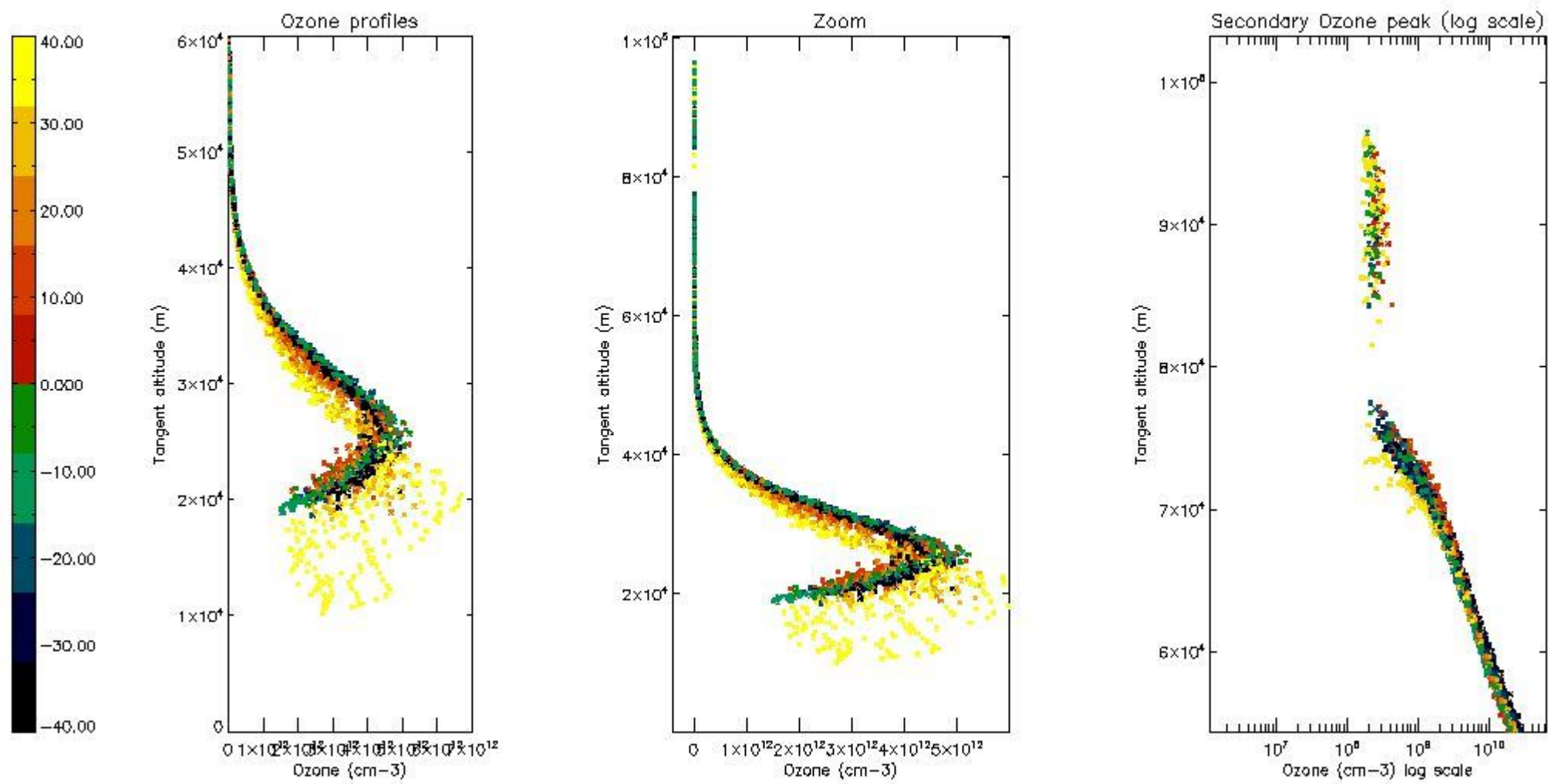
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



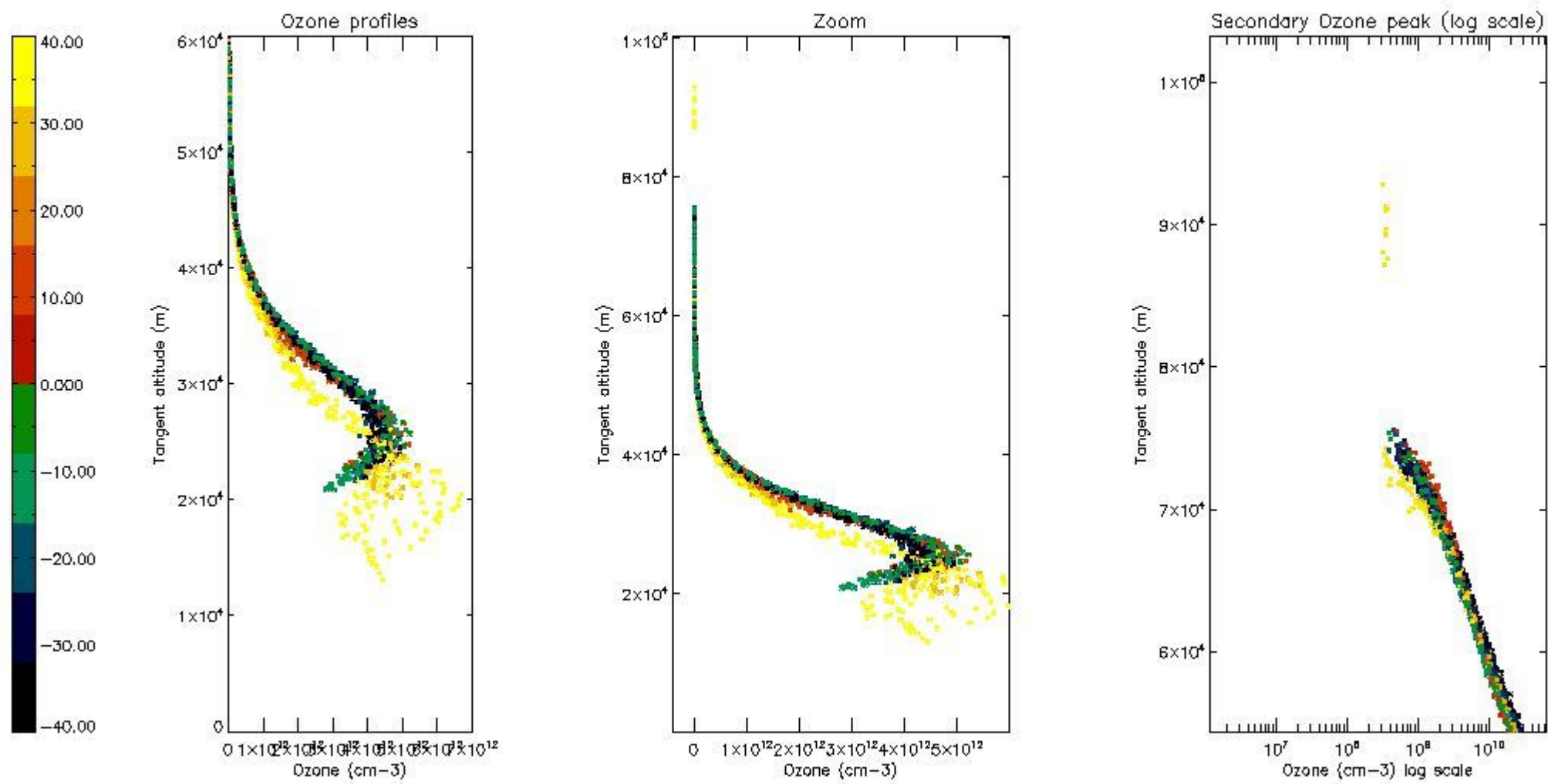
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



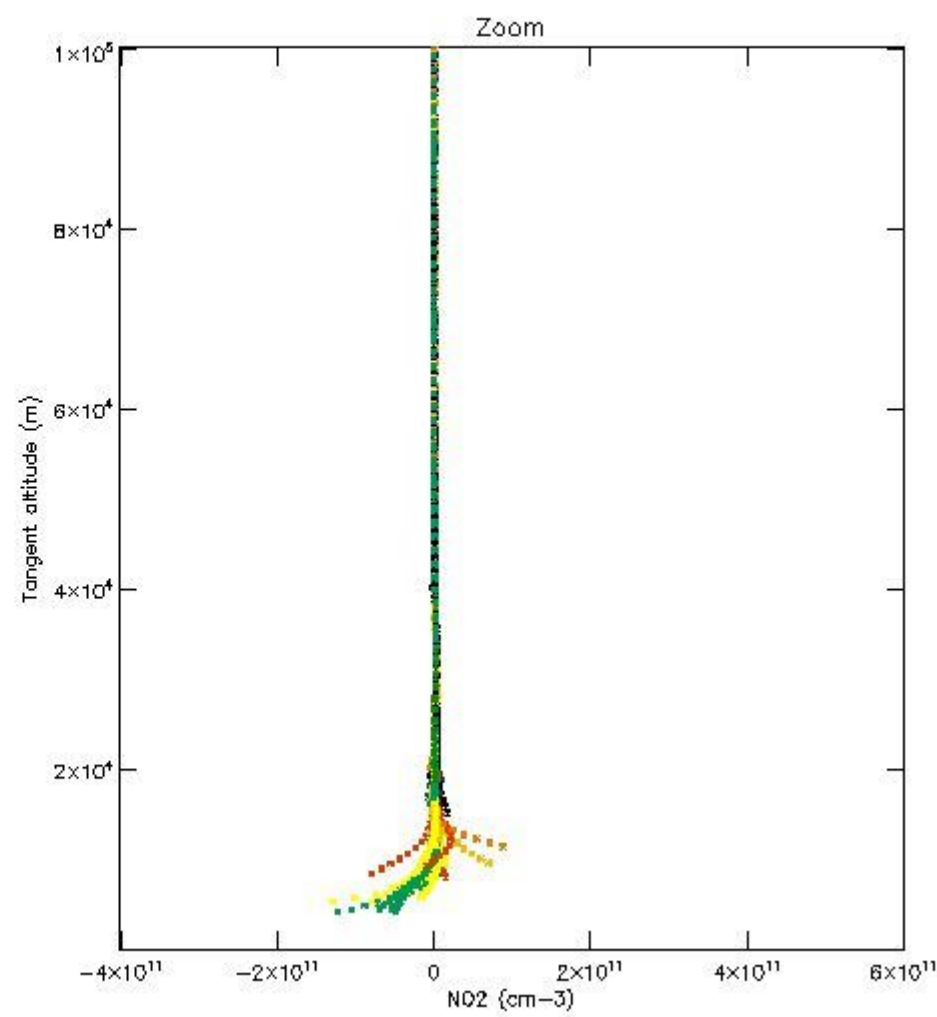
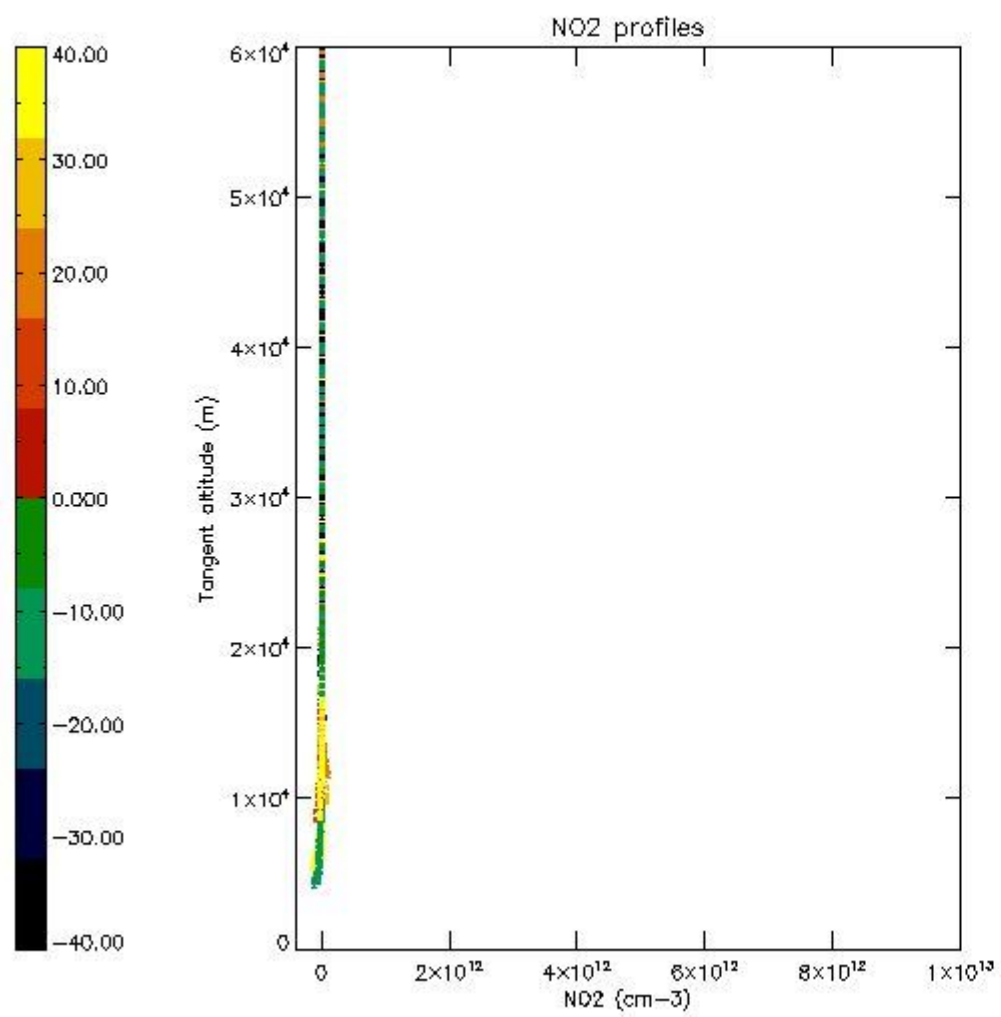
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



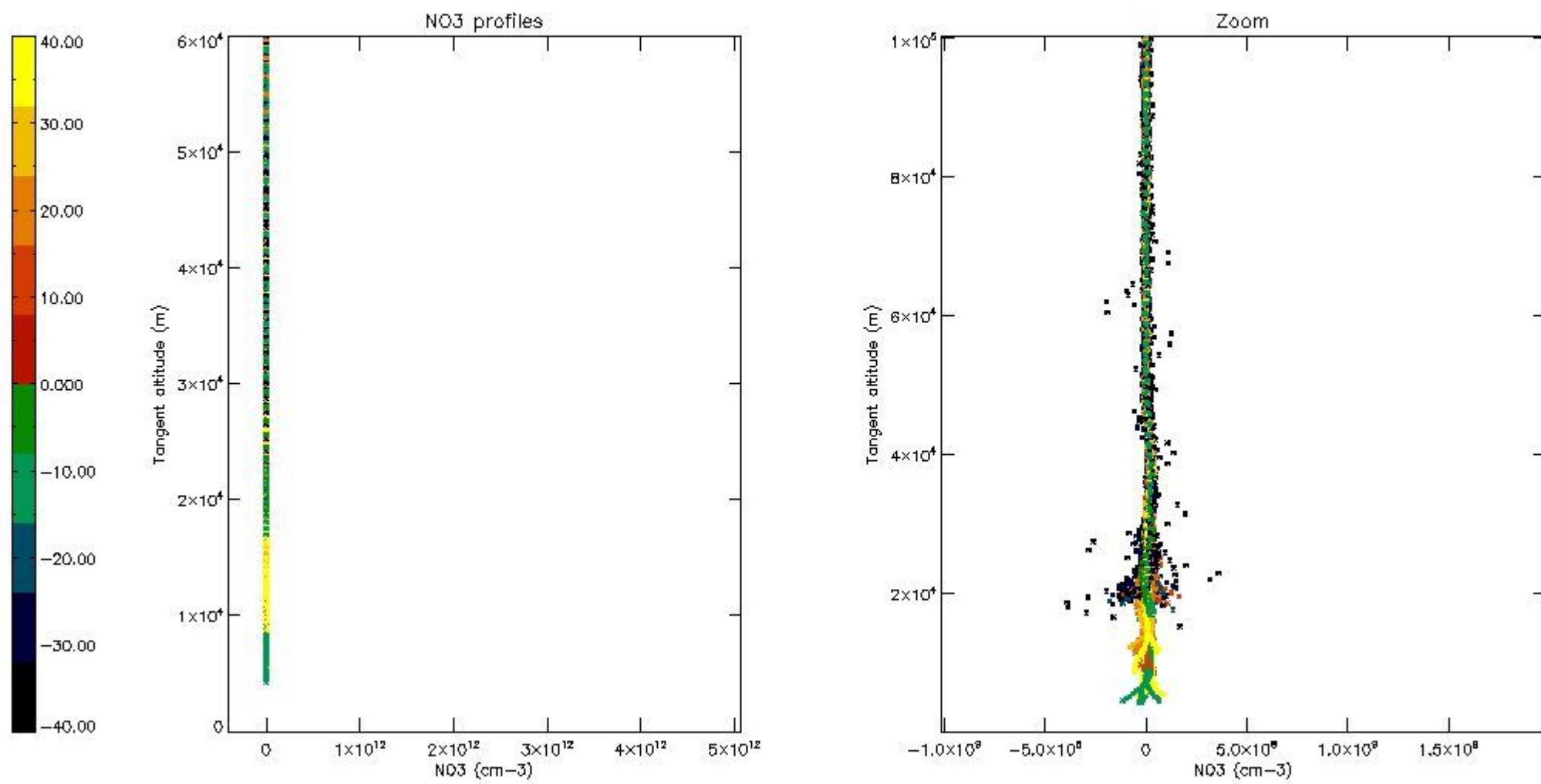
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



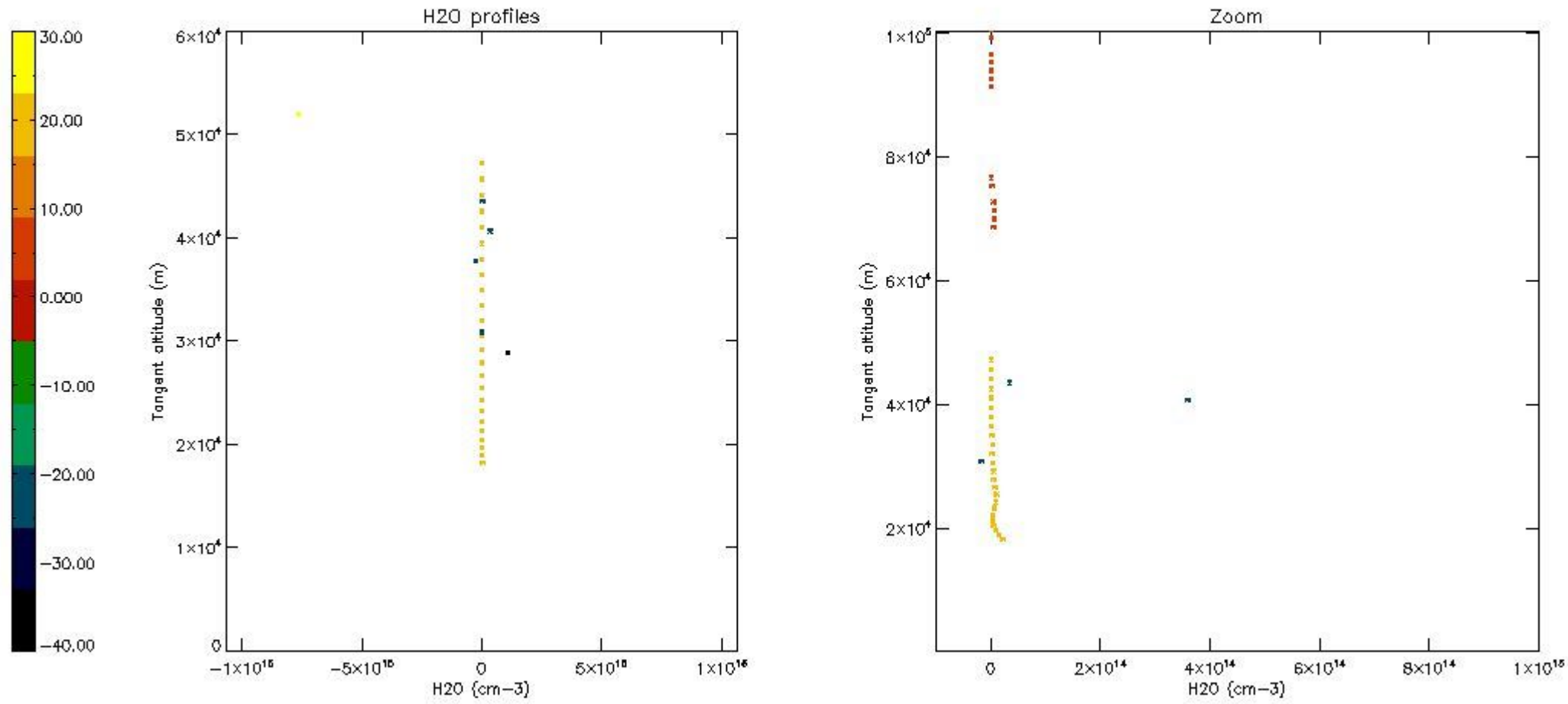
5.7 Plot NO3 profiles for all STD (dark without errors)

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	21-JAN-2004 00:01:30
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	21-JAN-2004 00:01:30
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	21-JAN-2004 00:01:30

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 \(time dependant\)](#)

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[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](#)

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[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](#)

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[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	18APR2013 17:49:55
Data source version	GOMOS/6.01
Start time of products	21-01-2004 (21JAN2004 00:00:00)
Stop time of products	22-01-2004 (22JAN2004 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	436
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

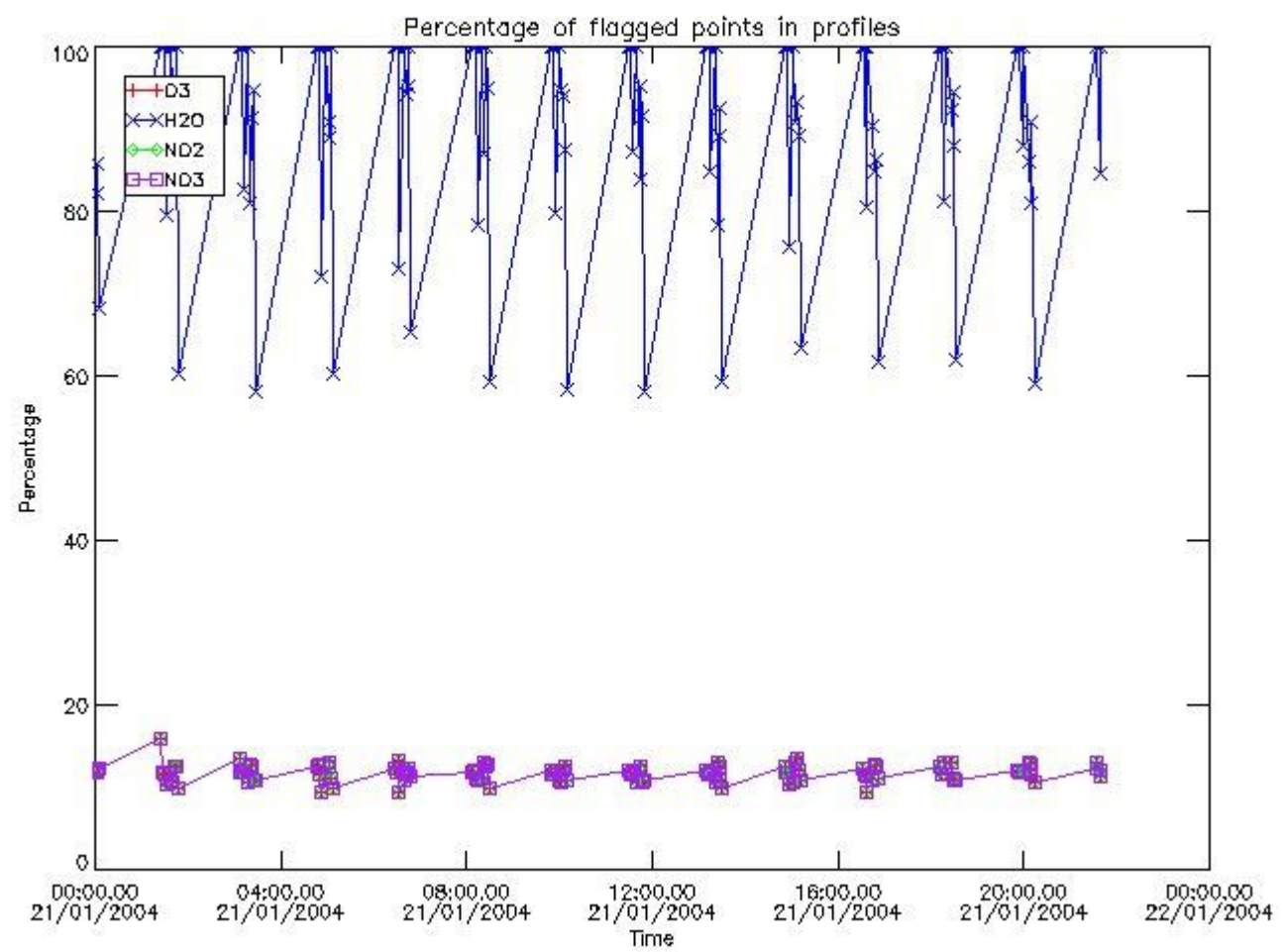
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20040121_000130_000000432023_00317_09890_1228.N1	21-JAN-2004 00:01:30	Dark	42.500	71	lot Car	2.2460	7700.0	85	9890	No
2	GOM_NL__2PRFIN20040121_000321_000000432023_00317_09890_1229.N1	21-JAN-2004 00:03:21	Dark	43.000	46	Del Vel	1.9540	10600.	86	9890	No
3	GOM_NL__2PRFIN20040121_000603_000000462023_00317_09890_1230.N1	21-JAN-2004 00:06:03	Dark	46.000	2	Alp Car	-0.73600	7000.0	92	9890	No
4	GOM_NL__2PRFIN20040121_000806_000000442023_00317_09890_1231.N1	21-JAN-2004 00:08:06	Straylight	44.000	70	Zet Pup	2.2460	39000.	88	9890	No
5	GOM_NL__2PRFIN20040121_000941_000000472023_00317_09890_1232.N1	21-JAN-2004 00:09:41	Straylight	46.500	117	Pi Pup	2.7060	3800.0	93	9890	No
6	GOM_NL__2PRFIN20040121_001210_000000432023_00317_09890_1233.N1	21-JAN-2004 00:12:10	Straylight	43.000	23	21Eps CMa	1.5020	26000.	86	9890	No
7	GOM_NL__2PRFIN20040121_001336_000000412023_00317_09890_1234.N1	21-JAN-2004 00:13:36	Straylight	40.500	179	24Omi2CMa	3.0320	24000.	81	9890	No
8	GOM_NL__2PRFIN20040121_001546_000000472023_00317_09890_1235.N1	21-JAN-2004 00:15:46	Straylight	46.500	1	9Alp CMa	-1.4400	11000.	93	9890	No
9	GOM_NL__2PRFIN20040121_001821_000000772023_00317_09890_1236.N1	21-JAN-2004 00:18:21	Straylight	76.500	48	30Alp Hya	1.9770	4100.0	153	9890	No
10	GOM_NL__2PRFIN20040121_002210_000000532023_00317_09890_1237.N1	21-JAN-2004 00:22:10	Twilight	53.000	8	10Alp CMi	0.40000	6500.0	106	9890	No
11	GOM_NL__2PRFIN20040121_002513_000000432023_00317_09890_1238.N1	21-JAN-2004 00:25:13	Bright	42.500	44	24Gam Gem	1.9280	11000.	85	9890	No
12	GOM_NL__2PRFIN20040121_002659_000000402023_00317_09890_1239.N1	21-JAN-2004 00:26:59	Bright	40.000	151	13Mu Gem	2.8900	3000.0	80	9890	No
13	GOM_NL__2PRFIN20040121_002906_000000382023_00317_09890_1240.N1	21-JAN-2004 00:29:06	Bright	38.000	28	12Bet Tau	1.6500	15200.	76	9890	No
14	GOM_NL__2PRFIN20040121_003111_000000372023_00317_09890_1241.N1	21-JAN-2004 00:31:11	Bright	37.000	107	37The Aur	2.6490	11000.	74	9890	No
15	GOM_NL__2PRFIN20040121_003320_000000382023_00317_09890_1242.N1	21-JAN-2004 00:33:20	Bright	38.000	42	34Bet Aur	1.9000	10200.	76	9890	No
16	GOM_NL__2PRFIN20040121_003508_000000792023_00317_09890_1243.N1	21-JAN-2004 00:35:08	Bright	79.000	166	17Eps Leo	2.9800	6000.0	158	9890	No
17	GOM_NL__2PRFIN20040121_004112_000002252023_00317_09890_1244.N1	21-JAN-2004 00:41:12	Twilight	225.00	51	41Gam1Leo	2.0100	4500.0	450	9890	No
18	GOM_NL__2PRFIN20040121_004554_000000352023_00317_09890_1245.N1	21-JAN-2004 00:45:54	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	9890	No
19	GOM_NL__2PRFIN20040121_004938_000000412023_00317_09890_1246.N1	21-JAN-2004 00:49:38	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	9890	No
20	GOM_NL__2PRFIN20040121_005125_000000542023_00317_09890_1247.N1	21-JAN-2004 00:51:25	Bright	54.000	32	77Eps UMa	1.7630	11000.	108	9890	No
21	GOM_NL__2PRFIN20040121_005405_000000412023_00317_09890_1248.N1	21-JAN-2004 00:54:05	Bright	40.500	119	14Eta Dra	2.7270	4700.0	81	9890	No
22	GOM_NL__2PRFIN20040121_005542_000000552023_00317_09890_1249.N1	21-JAN-2004 00:55:42	Bright	55.000	39	85Eta UMa	1.8540	24000.	110	9890	No
23	GOM_NL__2PRFIN20040121_010006_000000382023_00317_09890_1250.N1	21-JAN-2004 01:00:06	Bright	37.500	5	3Alp Lyr	0.033000	11000.	75	9890	No
24	GOM_NL__2PRFIN20040121_010312_000000382023_00317_09890_1251.N1	21-JAN-2004 01:03:12	Bright	38.000	133	40Zet Her	2.8070	6000.0	76	9890	No
25	GOM_NL__2PRFIN20040121_010619_000000662023_00317_09890_1252.N1	21-JAN-2004 01:06:19	Bright	65.500	83		2.3780	11000.	131	9890	No
26	GOM_NL__2PRFIN20040121_011139_000001092023_00317_09890_1253.N1	21-JAN-2004 01:11:39	Twilight	109.00	3	16Alp Boo	-0.050000	4250.0	218	9890	No
27	GOM_NL__2PRFIN20040121_011419_000001492023_00317_09890_1254.N1	21-JAN-2004 01:14:19	Straylight	149.00	111	8Eta Boo	2.6800	6000.0	298	9890	No
28	GOM_NL__2PRFIN20040121_012005_000000472023_00317_09890_1255.N1	21-JAN-2004 01:20:05	Twilight	46.500	16	21Alp Sco	1.0200	3000.0	93	9890	No
29	GOM_NL__2PRFIN20040121_012532_000000452023_00317_09890_1256.N1	21-JAN-2004 01:25:32	Dark	44.500	131	Gam Lup	2.8000	26000.	89	9890	No
30	GOM_NL__2PRFIN20040121_012726_000000442023_00317_09890_1257.N1	21-JAN-2004 01:27:26	Dark	43.500	109	Bet Lup	2.6770	26000.	87	9890	No
31	GOM_NL__2PRFIN20040121_012856_000000442023_00317_09890_1258.N1	21-JAN-2004 01:28:56	Dark	44.000	78	Alp Lup	2.3040	28000.	88	9890	No
32	GOM_NL__2PRFIN20040121_013114_000000502023_00318_09891_1177.N1	21-JAN-2004 01:31:14	Dark	49.500	4	Alp1Cen	-0.010000	5800.0	99	9891	No
33	GOM_NL__2PRFIN20040121_013659_000000482023_00318_09891_1178.N1	21-JAN-2004 01:36:59	Dark	47.500	99	Del Cen	2.5750	26000.	95	9891	No
34	GOM_NL__2PRFIN20040121_014003_000000482023_00318_09891_1179.N1	21-JAN-2004 01:40:03	Dark	48.000	29	Bet Car	1.6720	10200.	96	9891	No
35	GOM_NL__2PRFIN20040121_014207_000000412023_00318_09891_1180.N1	21-JAN-2004 01:42:07	Dark	41.000	71	lot Car	2.2460	7700.0	82	9891	No
36	GOM_NL__2PRFIN20040121_014357_000000412023_00318_09891_1181.N1	21-JAN-2004 01:43:57	Dark	41.000	46	Del Vel	1.9540	10600.	82	9891	No
37	GOM_NL__2PRFIN20040121_014638_000000522023_00318_09891_1182.N1	21-JAN-2004 01:46:38	Dark	52.000	2	Alp Car	-0.73600	7000.0	104	9891	No
38	GOM_NL__2PRFIN20040121_014842_000000472023_00318_09891_1183.N1	21-JAN-2004 01:48:42	Straylight	47.000	70	Zet Pup	2.2460	39000.	94	9891	No
39	GOM_NL__2PRFIN20040121_015017_000000472023_00318_09891_1184.N1	21-JAN-2004 01:50:17	Straylight	46.500	117	Pi Pup	2.7060	3800.0	93	9891	No
40	GOM_NL__2PRFIN20040121_015246_000000472023_00318_09891_1185.N1	21-JAN-2004 01:52:46	Straylight	47.000	23	21Eps CMa	1.5020	26000.	94	9891	No
41	GOM_NL__2PRFIN20040121_015412_000000422023_00318_09891_1186.N1	21-JAN-2004 01:54:12	Straylight	41.500	179	24Omi2CMa	3.0320	24000.	83	9891	No
42	GOM_NL__2PRFIN20040121_015622_000000522023_00318_09891_1187.N1	21-JAN-2004 01:56:22	Straylight	52.000	1	9Alp CMa	-1.4400	11000.	104	9891	No

397	GOM_NL__2PRFIN20040121_194818_000000452023_00328_09901_0967.N1	21-JAN-2004 19:48:18	Twilight	44.500	75	26Eps Sco	2.2910	4250.0	89	9901	No
398	GOM_NL__2PRFIN20040121_195214_000000422023_00328_09901_0968.N1	21-JAN-2004 19:52:14	Dark	42.000	131	Gam Lup	2.8000	26000.	84	9901	No
399	GOM_NL__2PRFIN20040121_195410_000000432023_00328_09901_0969.N1	21-JAN-2004 19:54:10	Dark	43.000	109	Bet Lup	2.6770	26000.	86	9901	No
400	GOM_NL__2PRFIN20040121_195755_000000422023_00329_09902_0935.N1	21-JAN-2004 19:57:55	Dark	42.000	4	Alp1Cen	-0.010000	5800.0	84	9902	No
401	GOM_NL__2PRFIN20040121_195913_000000432023_00329_09902_0936.N1	21-JAN-2004 19:59:13	Dark	43.000	77	Eps Cen	2.3030	28000.	86	9902	No
402	GOM_NL__2PRFIN20040121_200641_000000402023_00329_09902_0937.N1	21-JAN-2004 20:06:41	Dark	39.500	29	Bet Car	1.6720	10200.	79	9902	No
403	GOM_NL__2PRFIN20040121_200847_000000402023_00329_09902_0938.N1	21-JAN-2004 20:08:47	Dark	40.000	71	lot Car	2.2460	7700.0	80	9902	No
404	GOM_NL__2PRFIN20040121_201037_000000452023_00329_09902_0939.N1	21-JAN-2004 20:10:37	Dark	44.500	46	Del Vel	1.9540	10600.	89	9902	No
405	GOM_NL__2PRFIN20040121_201316_000000482023_00329_09902_0940.N1	21-JAN-2004 20:13:16	Dark	48.000	2	Alp Car	-0.73600	7000.0	96	9902	No
406	GOM_NL__2PRFIN20040121_201523_000000432023_00329_09902_0941.N1	21-JAN-2004 20:15:23	Straylight	42.500	70	Zet Pup	2.2460	39000.	85	9902	No
407	GOM_NL__2PRFIN20040121_201655_000000472023_00329_09902_0942.N1	21-JAN-2004 20:16:55	Straylight	47.000	117	Pi Pup	2.7060	3800.0	94	9902	No
408	GOM_NL__2PRFIN20040121_201925_000000452023_00329_09902_0943.N1	21-JAN-2004 20:19:25	Straylight	44.500	23	21Eps CMa	1.5020	26000.	89	9902	No
409	GOM_NL__2PRFIN20040121_202049_000000412023_00329_09902_0944.N1	21-JAN-2004 20:20:49	Straylight	41.000	179	24Omi2CMa	3.0320	24000.	82	9902	No
410	GOM_NL__2PRFIN20040121_202300_000000452023_00329_09902_0945.N1	21-JAN-2004 20:23:00	Straylight	45.000	1	9Alp CMa	-1.4400	11000.	90	9902	No
411	GOM_NL__2PRFIN20040121_202532_000000412023_00329_09902_0946.N1	21-JAN-2004 20:25:32	Straylight	41.000	56	53Kap Ori	2.0650	30000.	82	9902	No
412	GOM_NL__2PRFIN20040121_202644_000000422023_00329_09902_0947.N1	21-JAN-2004 20:26:44	Tw_i_and_stray	41.500	125	44lot Ori	2.7700	30000.	83	9902	No
413	GOM_NL__2PRFIN20040121_202801_000000442023_00329_09902_0948.N1	21-JAN-2004 20:28:01	Tw_i_and_stray	43.500	30	46Eps Ori	1.6940	30000.	87	9902	No
414	GOM_NL__2PRFIN20040121_203010_000000522023_00329_09902_0949.N1	21-JAN-2004 20:30:10	Tw_i_and_stray	52.000	14	58Alp Ori	0.87000	3000.0	104	9902	No
415	GOM_NL__2PRFIN20040121_203226_000000492023_00329_09902_0950.N1	21-JAN-2004 20:32:26	Bright	49.000	44	24Gam Gem	1.9280	11000.	98	9902	No
416	GOM_NL__2PRFIN20040121_203410_000000402023_00329_09902_0951.N1	21-JAN-2004 20:34:10	Bright	39.500	151	13Mu Gem	2.8900	3000.0	79	9902	No
417	GOM_NL__2PRFIN20040121_203620_000000382023_00329_09902_0952.N1	21-JAN-2004 20:36:20	Bright	37.500	28	12Bet Tau	1.6500	15200.	75	9902	No
418	GOM_NL__2PRFIN20040121_203822_000000372023_00329_09902_0953.N1	21-JAN-2004 20:38:22	Bright	37.000	107	37The Aur	2.6490	11000.	74	9902	No
419	GOM_NL__2PRFIN20040121_204032_000000392023_00329_09902_0954.N1	21-JAN-2004 20:40:32	Bright	38.500	42	34Bet Aur	1.9000	10200.	77	9902	No
420	GOM_NL__2PRFIN20040121_204712_0000002382023_00329_09902_0955.N1	21-JAN-2004 20:47:12	Bright	237.50	51	41Gam1Leo	2.0100	4500.0	475	9902	No
421	GOM_NL__2PRFIN20040121_205304_000000382023_00329_09902_0956.N1	21-JAN-2004 20:53:04	Bright	37.500	49	1Alp UMi	1.9900	6300.0	75	9902	No
422	GOM_NL__2PRFIN20040121_205646_000000392023_00329_09902_0957.N1	21-JAN-2004 20:56:46	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	9902	No
423	GOM_NL__2PRFIN20040121_205827_000000542023_00329_09902_0958.N1	21-JAN-2004 20:58:27	Bright	54.000	32	77Eps UMa	1.7630	11000.	108	9902	No
424	GOM_NL__2PRFIN20040121_210115_000000412023_00329_09902_0959.N1	21-JAN-2004 21:01:15	Bright	40.500	119	14Eta Dra	2.7270	4700.0	81	9902	No
425	GOM_NL__2PRFIN20040121_210247_000000592023_00329_09902_0960.N1	21-JAN-2004 21:02:47	Bright	58.500	39	85Eta UMa	1.8540	24000.	117	9902	No
426	GOM_NL__2PRFIN20040121_210719_000000382023_00329_09902_0961.N1	21-JAN-2004 21:07:19	Bright	37.500	5	3Alp Lyr	0.033000	11000.	75	9902	No
427	GOM_NL__2PRFIN20040121_211024_000000392023_00329_09902_0962.N1	21-JAN-2004 21:10:24	Bright	39.000	133	40Zet Her	2.8070	6000.0	78	9902	No
428	GOM_NL__2PRFIN20040121_211334_000000672023_00329_09902_0963.N1	21-JAN-2004 21:13:34	Bright	66.500	83		2.3780	11000.	133	9902	No
429	GOM_NL__2PRFIN20040121_211905_000001362023_00329_09902_0964.N1	21-JAN-2004 21:19:05	Tw_i_and_stray	136.00	3	16Alp Boo	-0.050000	4250.0	272	9902	No
430	GOM_NL__2PRFIN20040121_212159_000001602023_00329_09902_0965.N1	21-JAN-2004 21:21:59	Straylight	160.00	111	8Eta Boo	2.6800	6000.0	320	9902	No
431	GOM_NL__2PRFIN20040121_212722_000000492023_00329_09902_0966.N1	21-JAN-2004 21:27:22	Twilight	48.500	16	21Alp Sco	1.0200	3000.0	97	9902	No
432	GOM_NL__2PRFIN20040121_212854_000000472023_00329_09902_0967.N1	21-JAN-2004 21:28:54	Twilight	47.000	75	26Eps Sco	2.2910	4250.0	94	9902	No
433	GOM_NL__2PRFIN20040121_213250_000000422023_00329_09902_0968.N1	21-JAN-2004 21:32:50	Dark	41.500	131	Gam Lup	2.8000	26000.	83	9902	No
434	GOM_NL__2PRFIN20040121_213446_000000432023_00329_09902_0969.N1	21-JAN-2004 21:34:46	Dark	43.000	109	Bet Lup	2.6770	26000.	86	9902	No
435	GOM_NL__2PRFIN20040121_213832_000000432023_00330_09903_0956.N1	21-JAN-2004 21:38:32	Dark	42.500	4	Alp1Cen	-0.010000	5800.0	85	9903	No
436	GOM_NL__2PRFIN20040121_213949_000000452023_00330_09903_0957.N1	21-JAN-2004 21:39:49	Dark	45.000	77	Eps Cen	2.3030	28000.	90	9903	No

3. Quality information per product

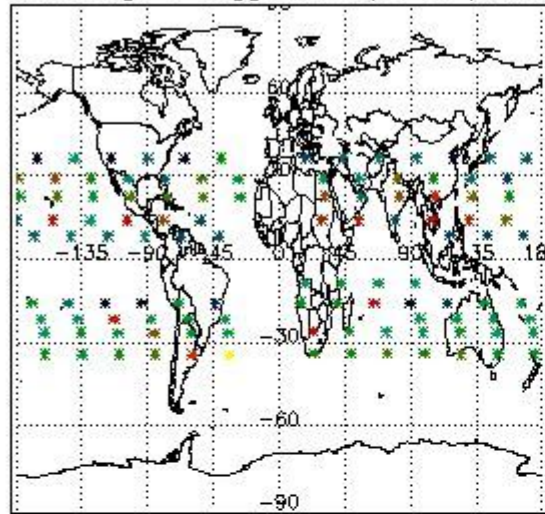
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

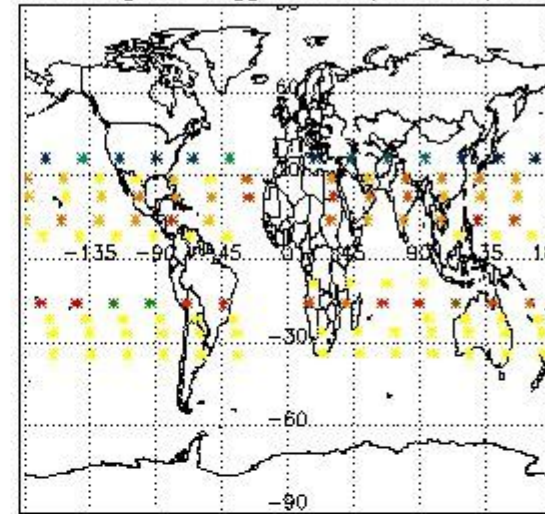


3.2 Plot quality information per product (world map)

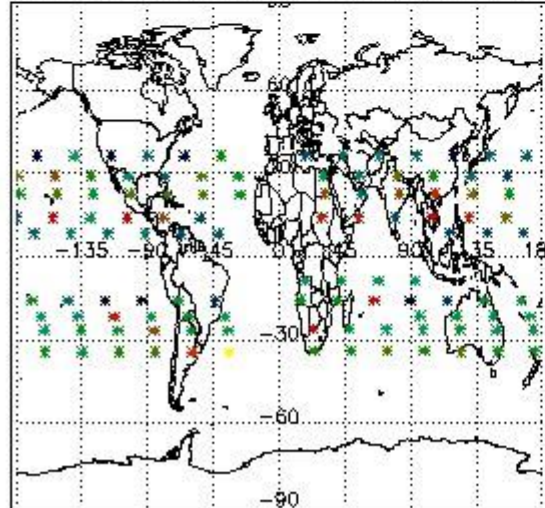
Percentage of flagged data per O3 profile



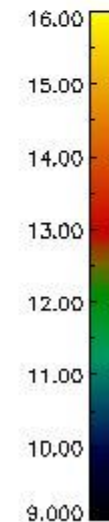
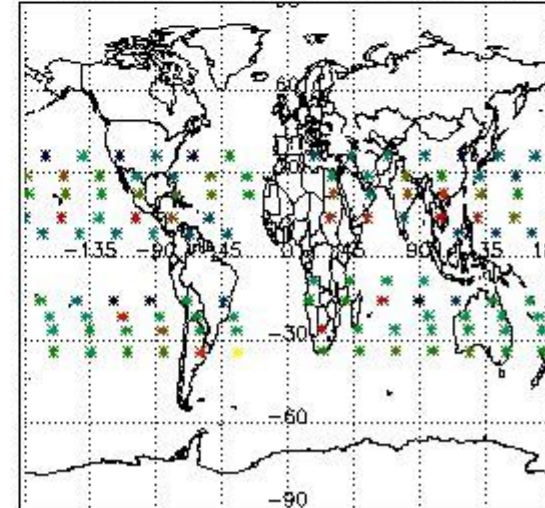
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

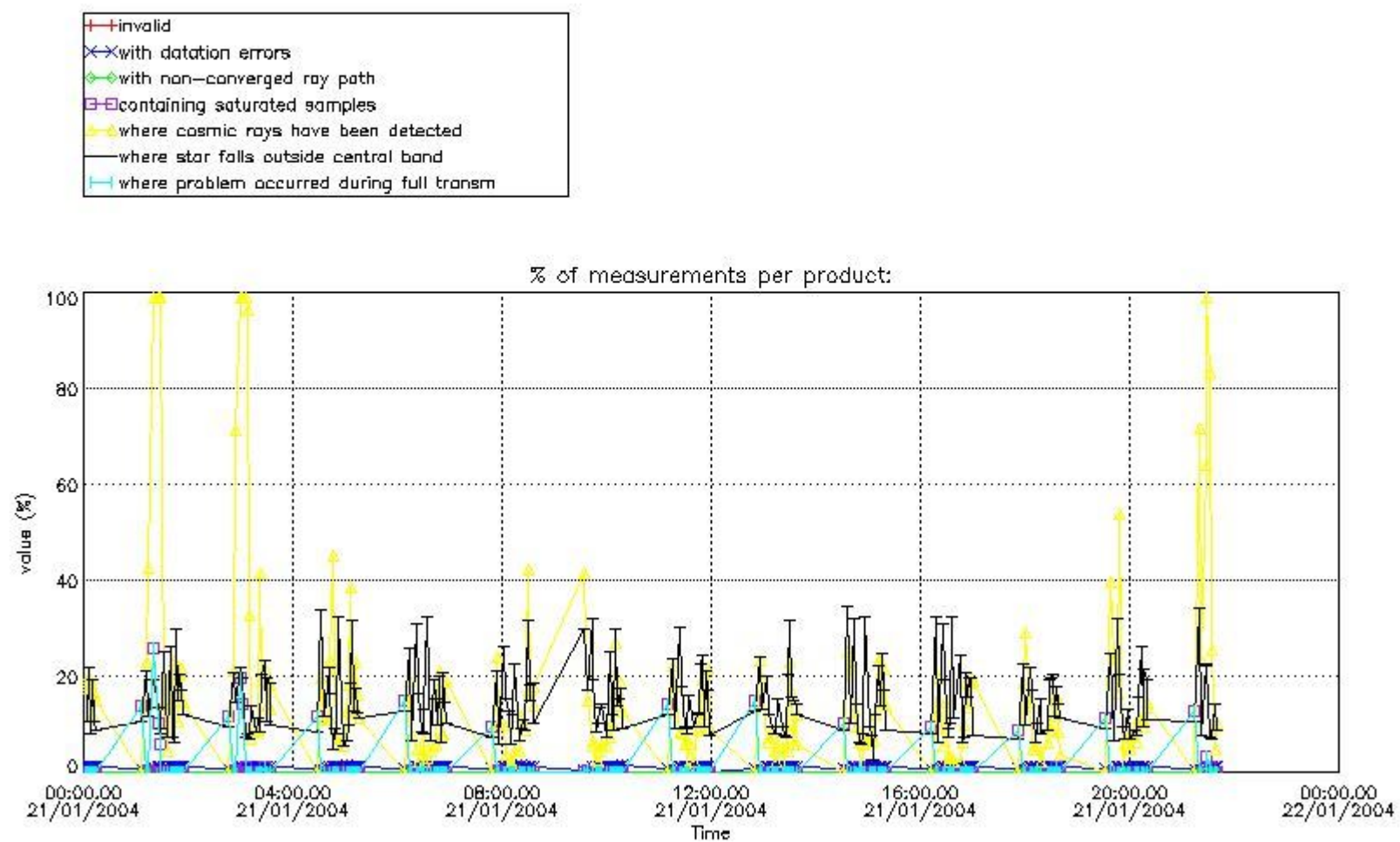


4. Level 1 quality information per product

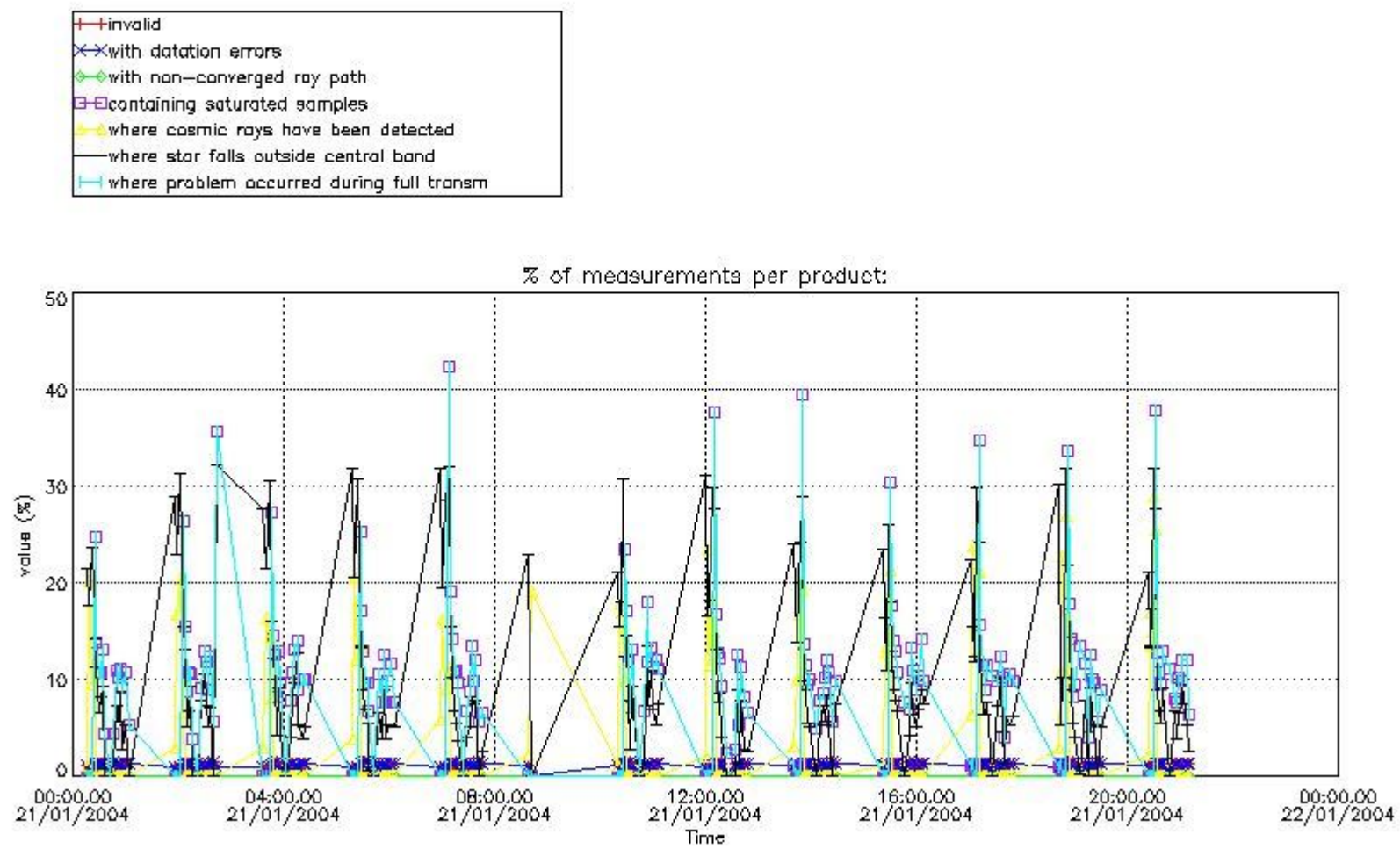
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

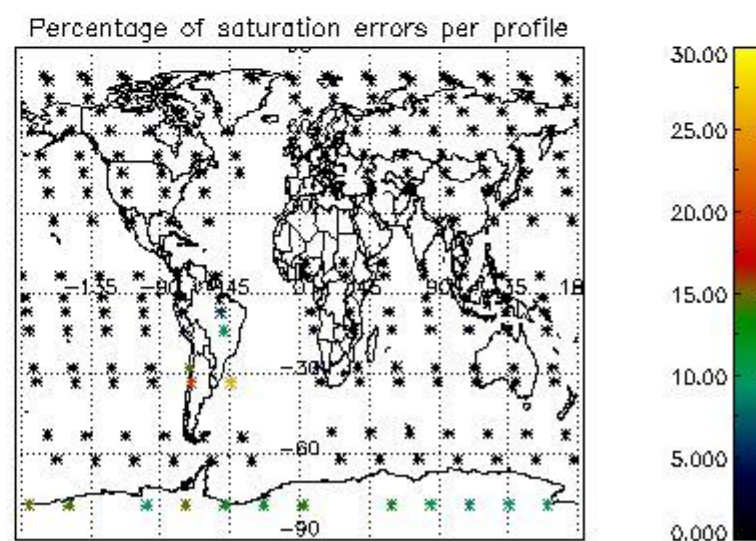
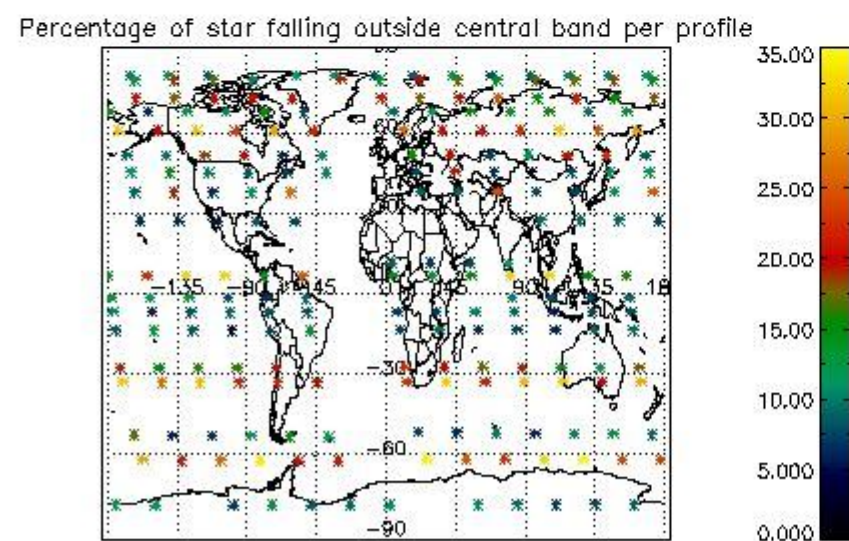
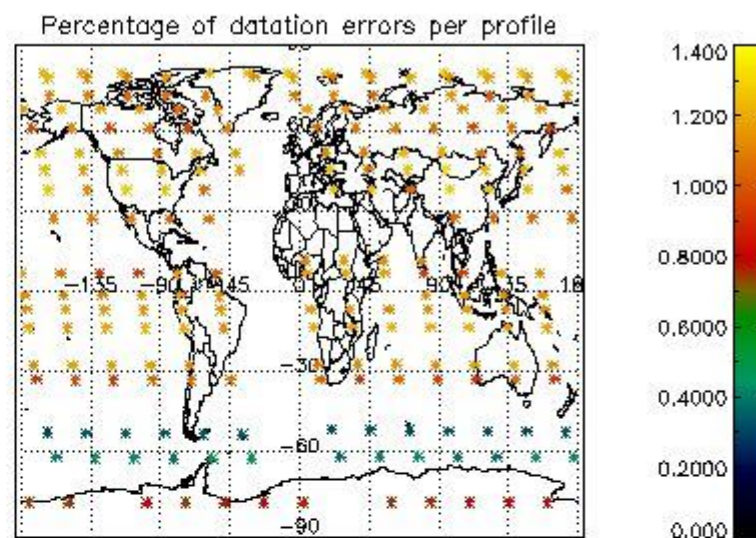
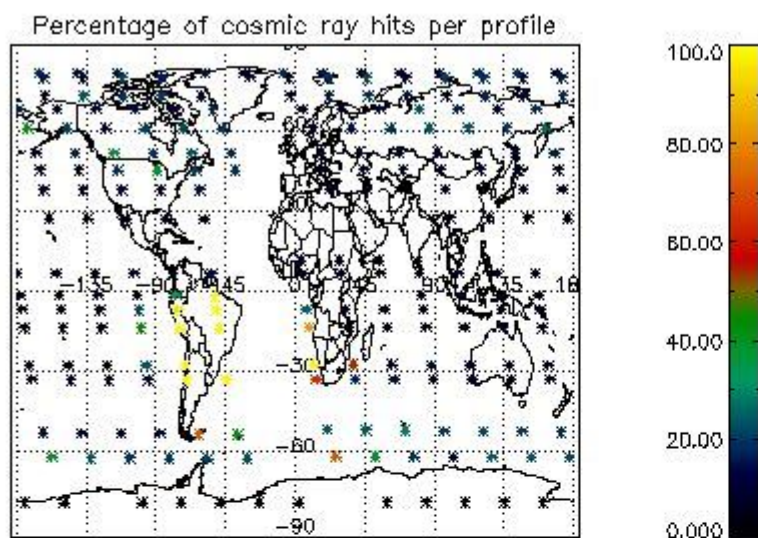


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

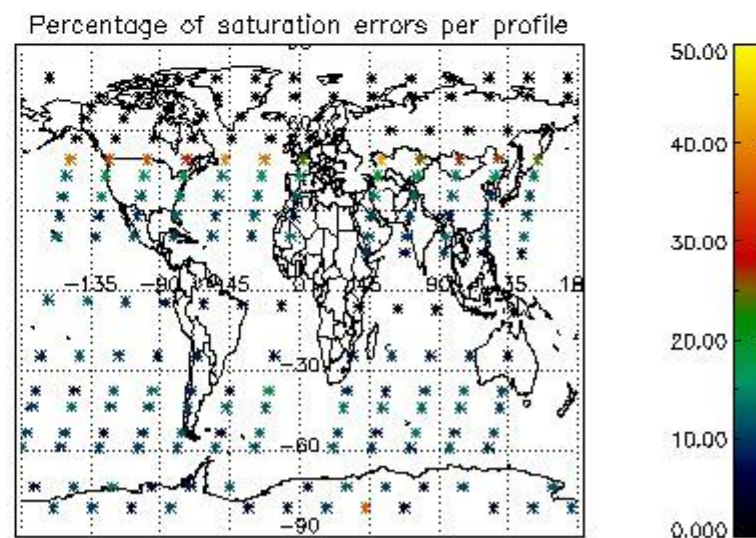
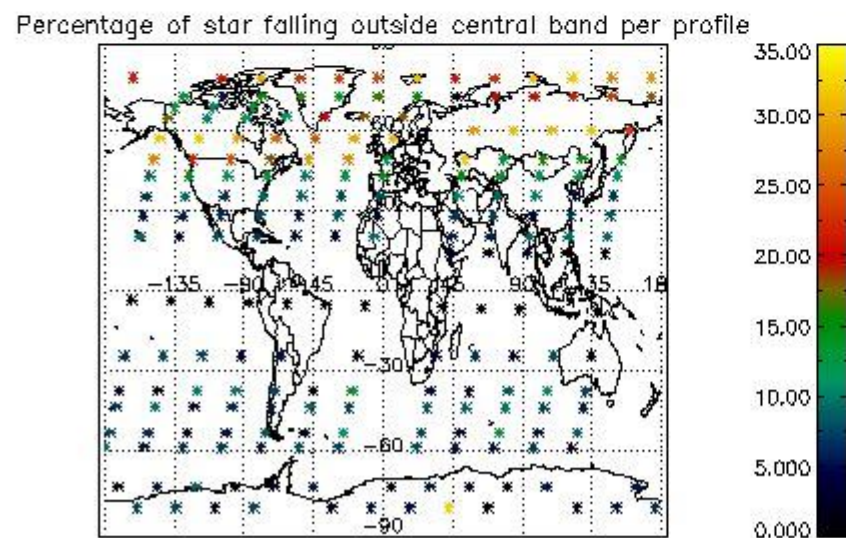
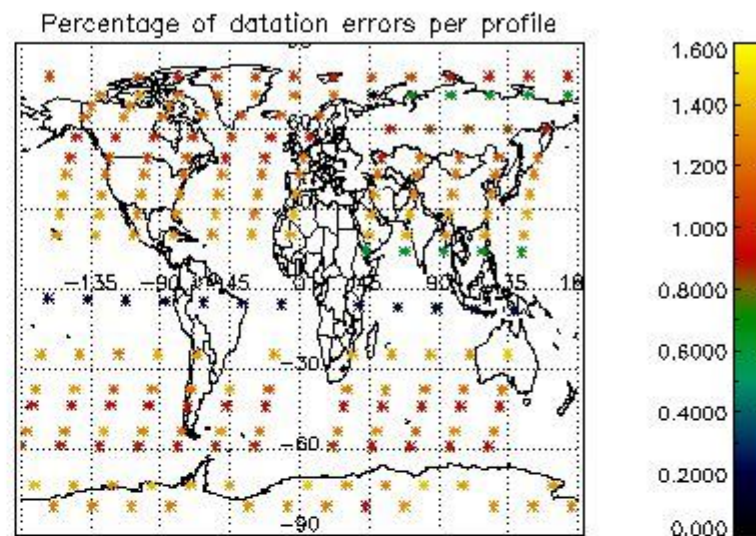
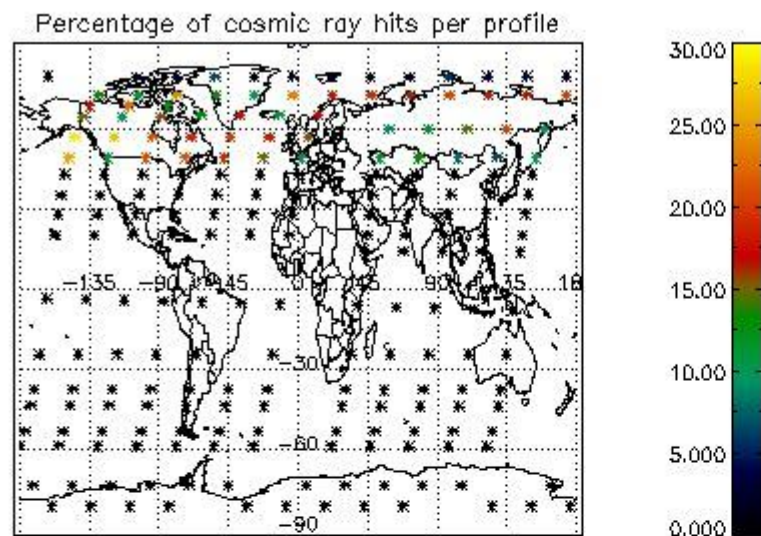


4.2 Plot quality information per product coming from level 1b processing (world map)

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



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

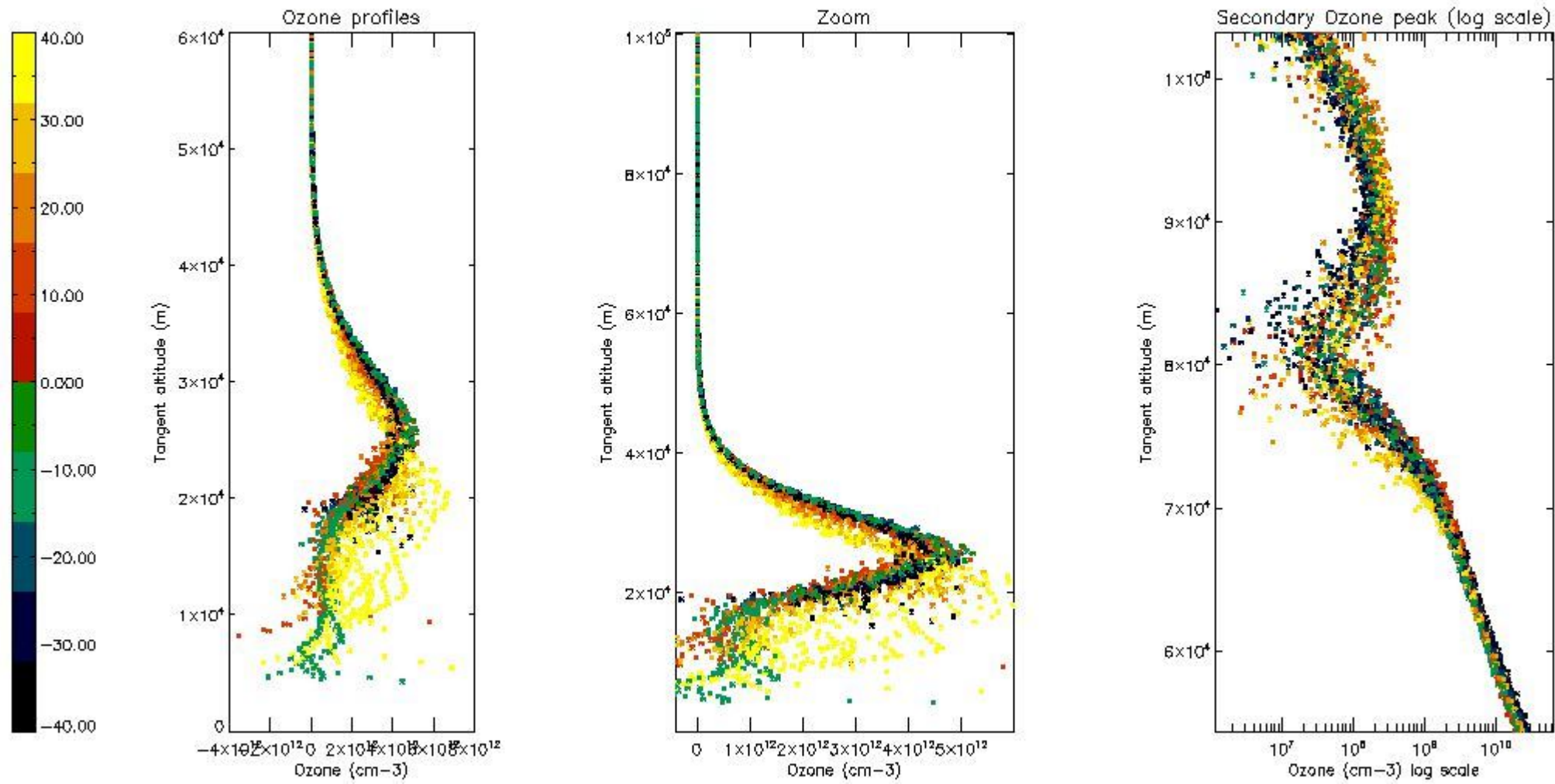
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

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

STD < 10	11
STD < 5	8

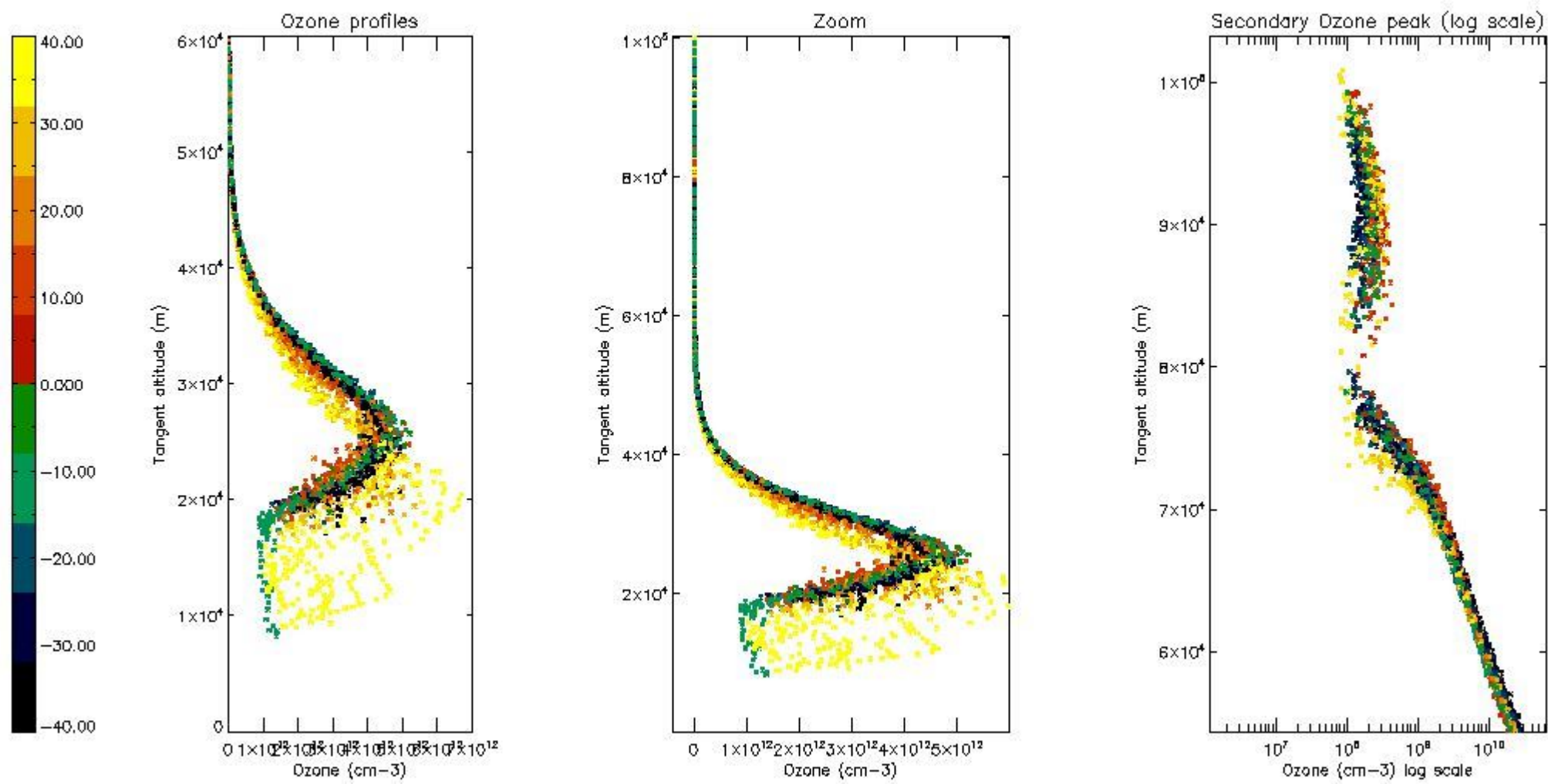
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



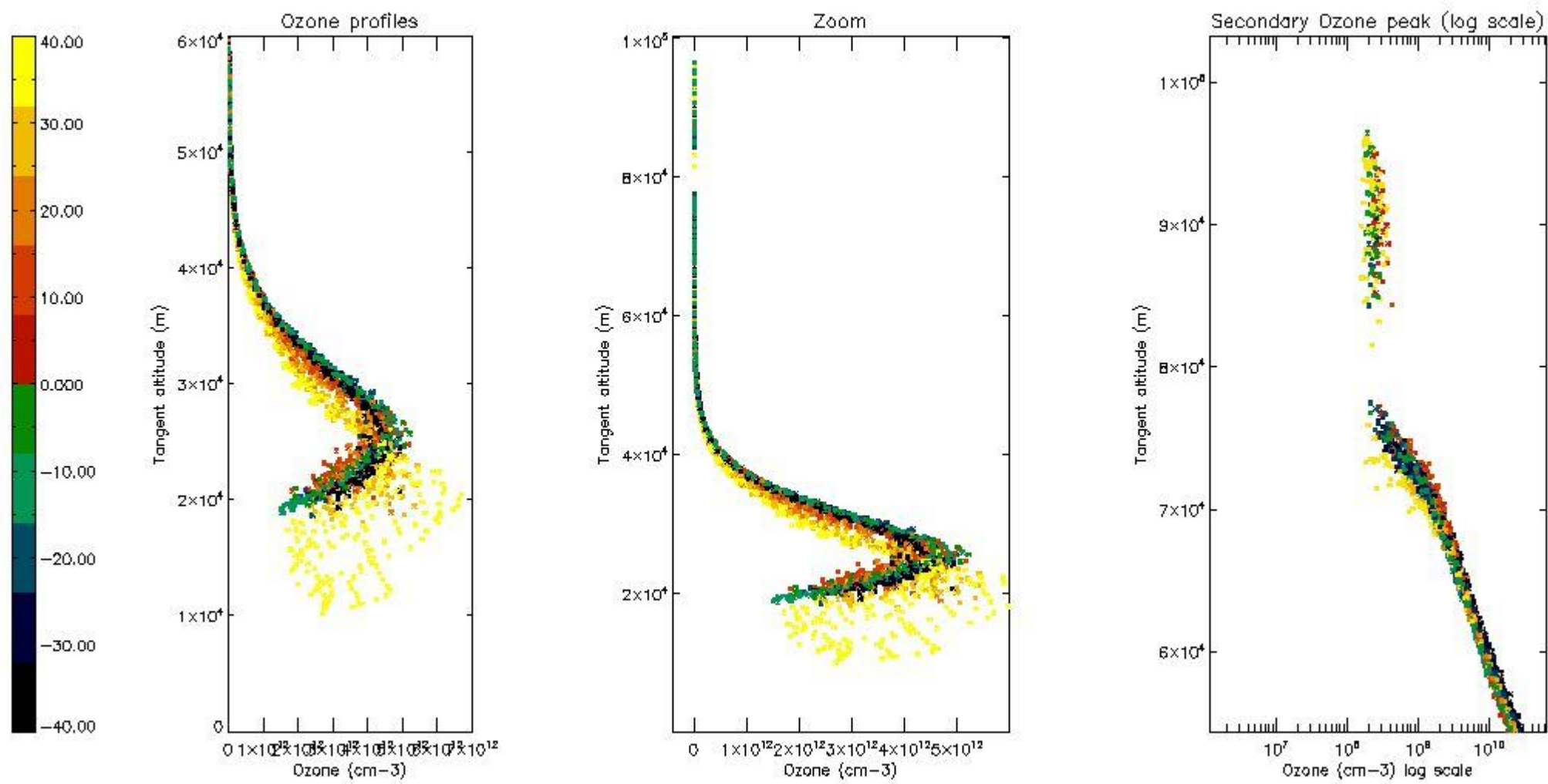
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



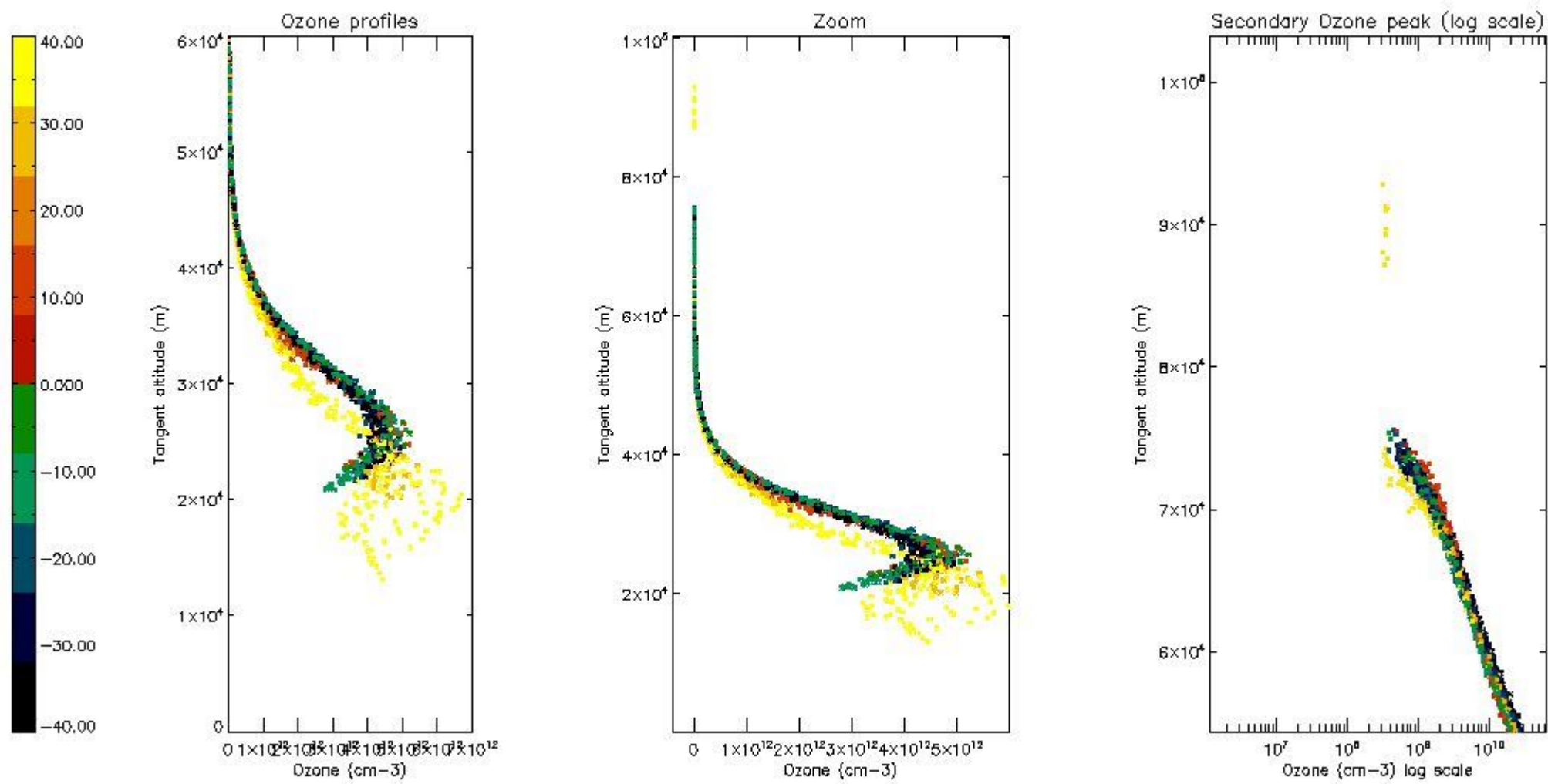
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



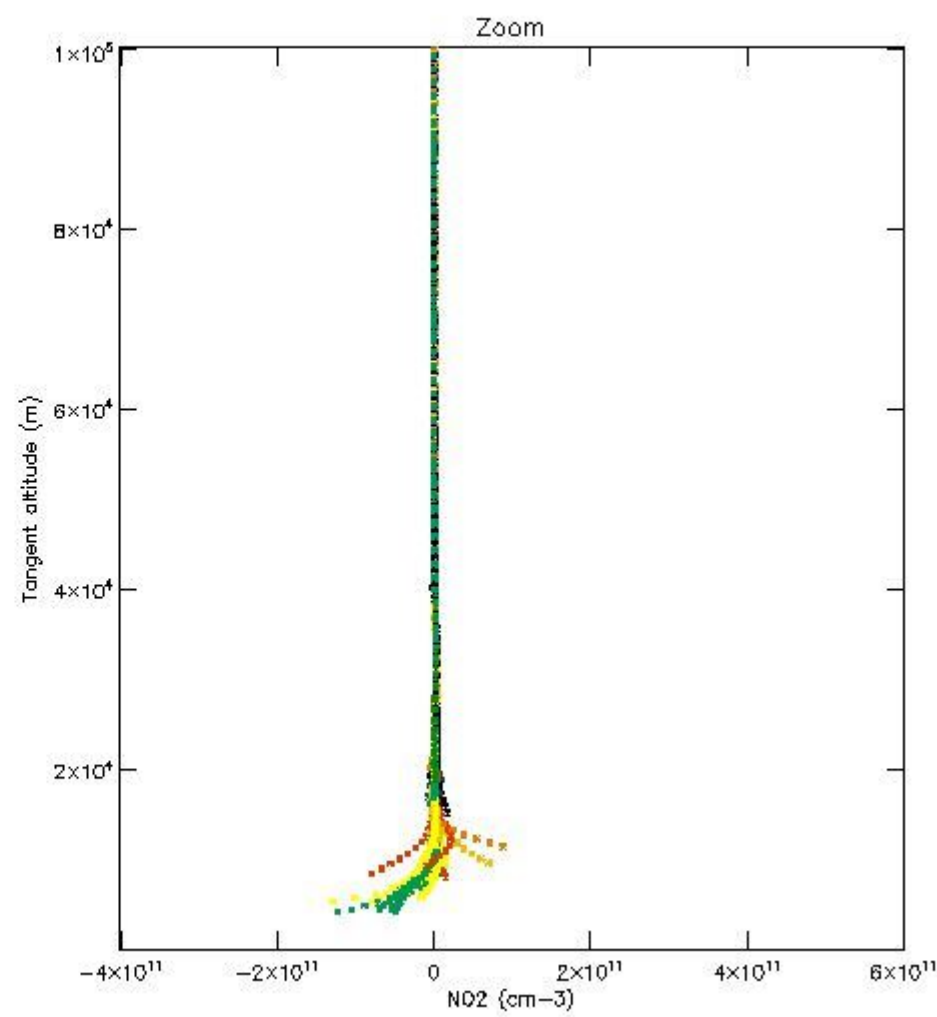
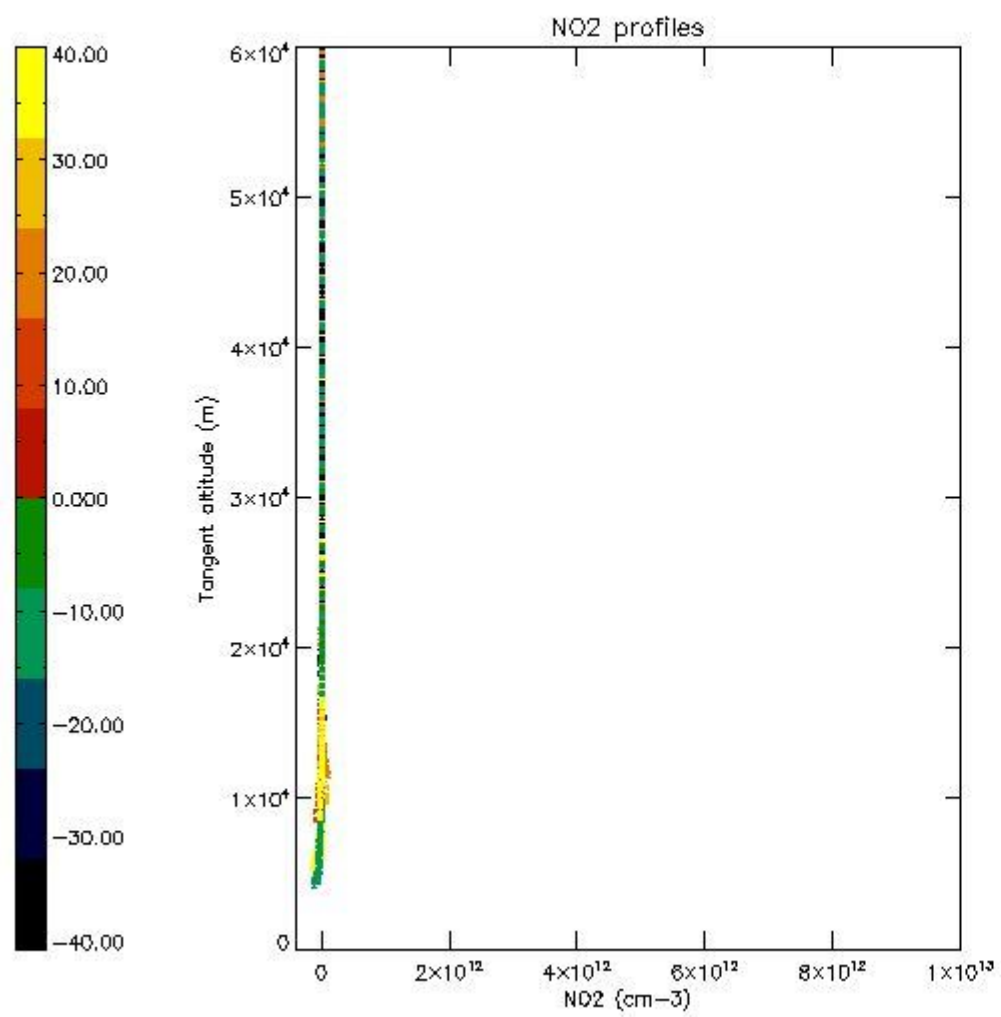
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



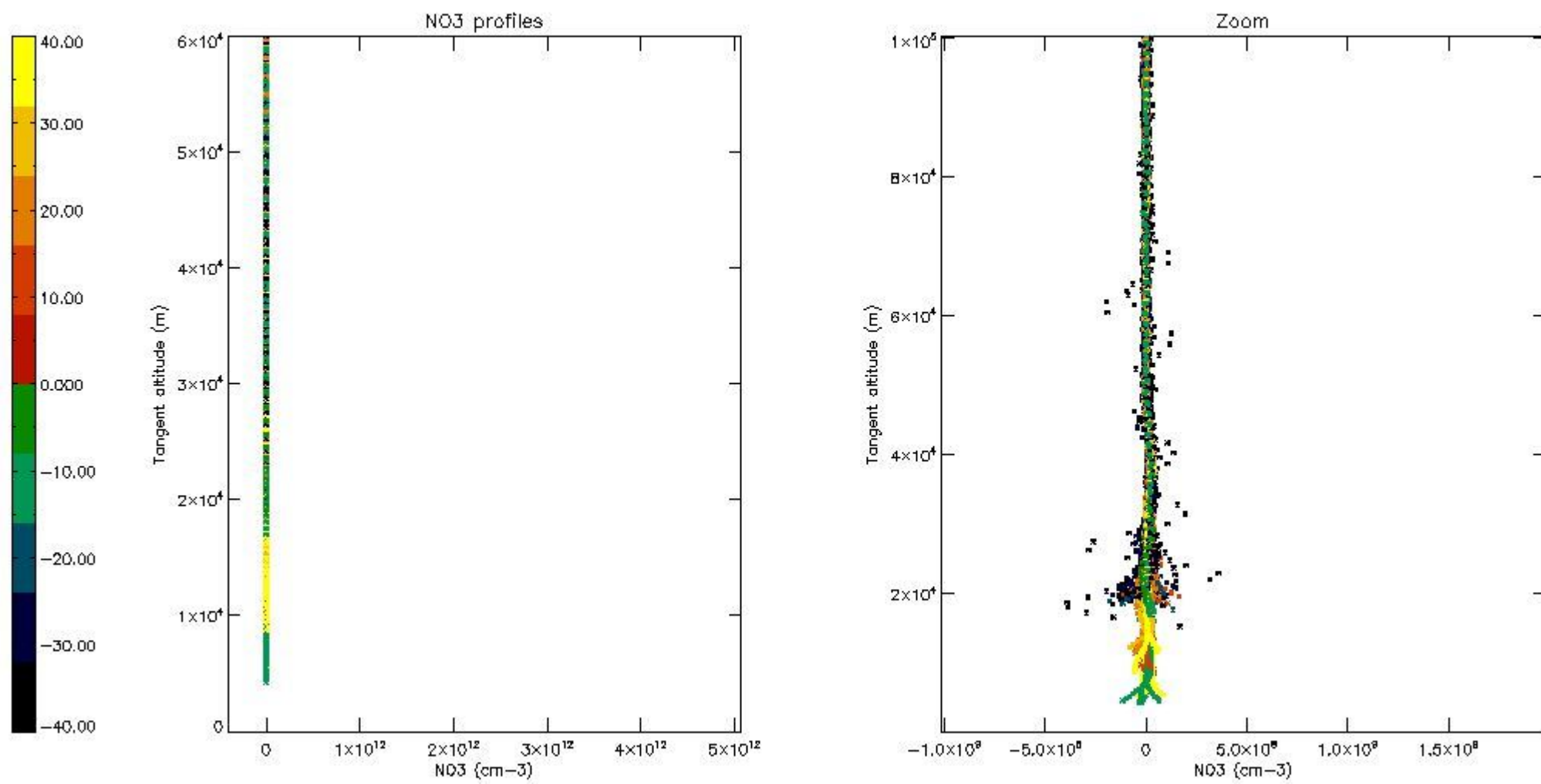
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



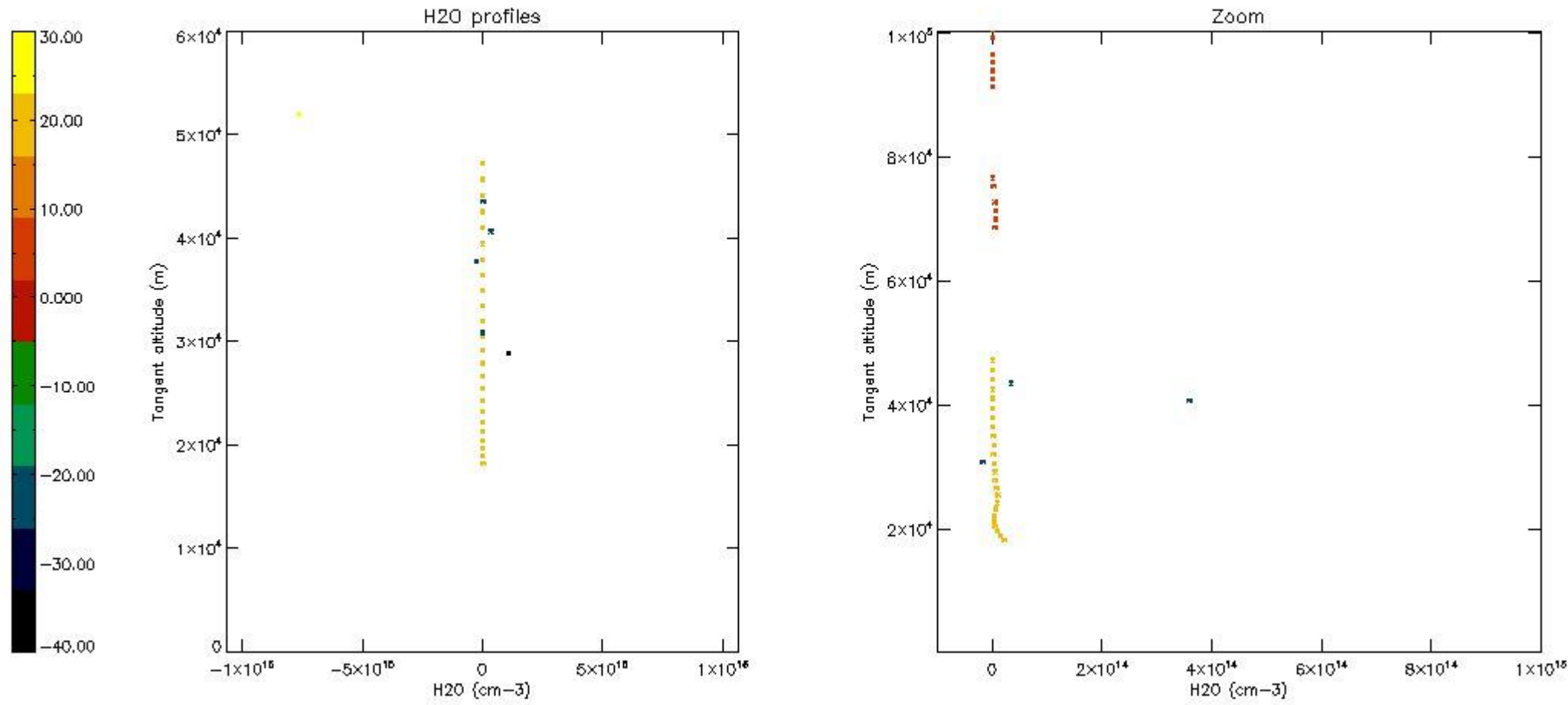
5.7 Plot NO3 profiles for all STD (dark without errors)

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)

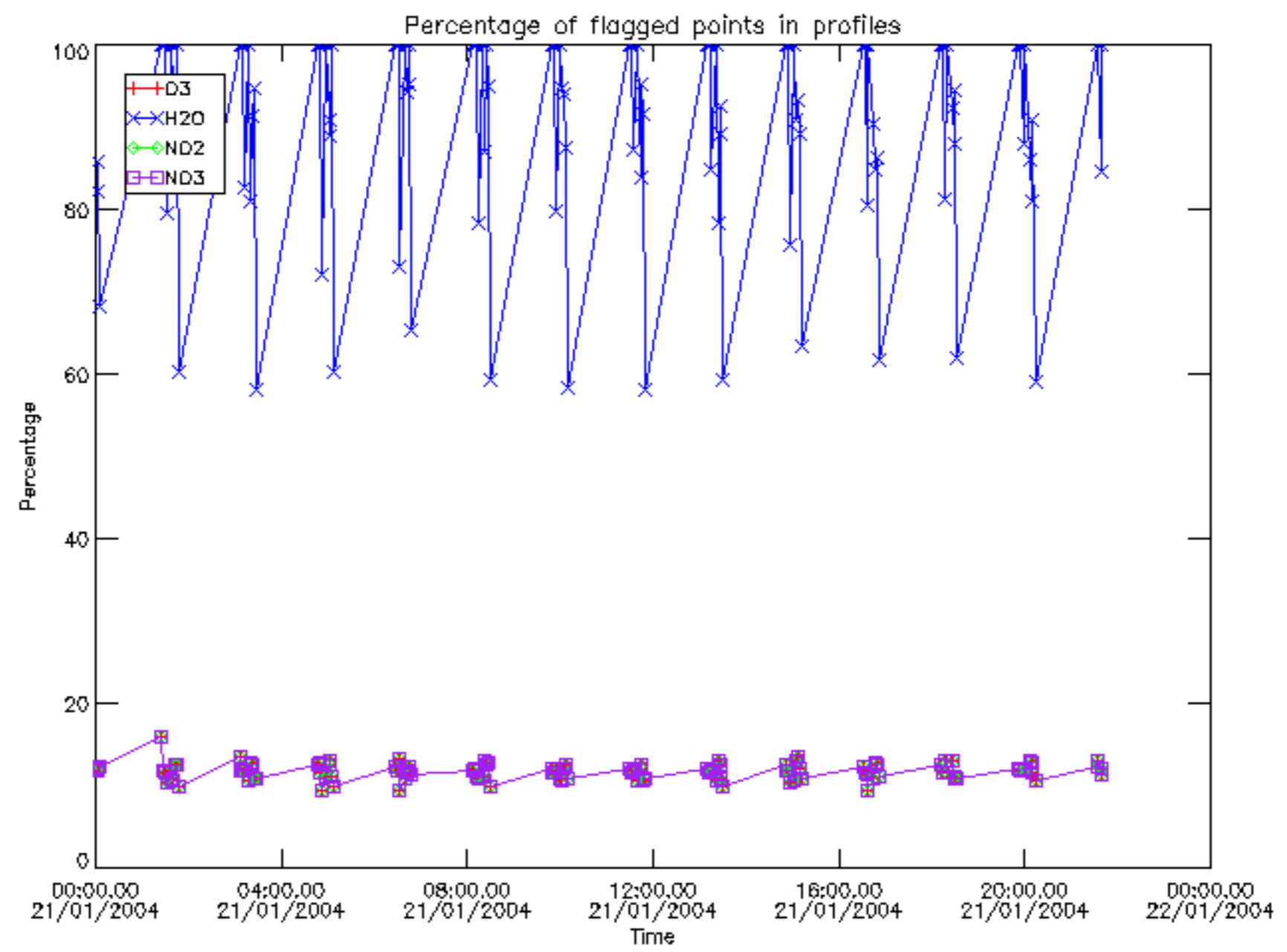
The colorbar represents the latitude.



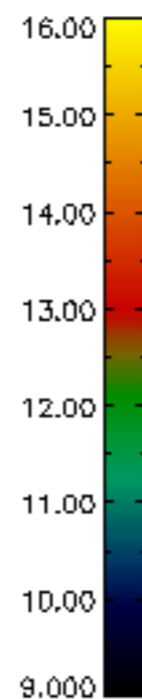
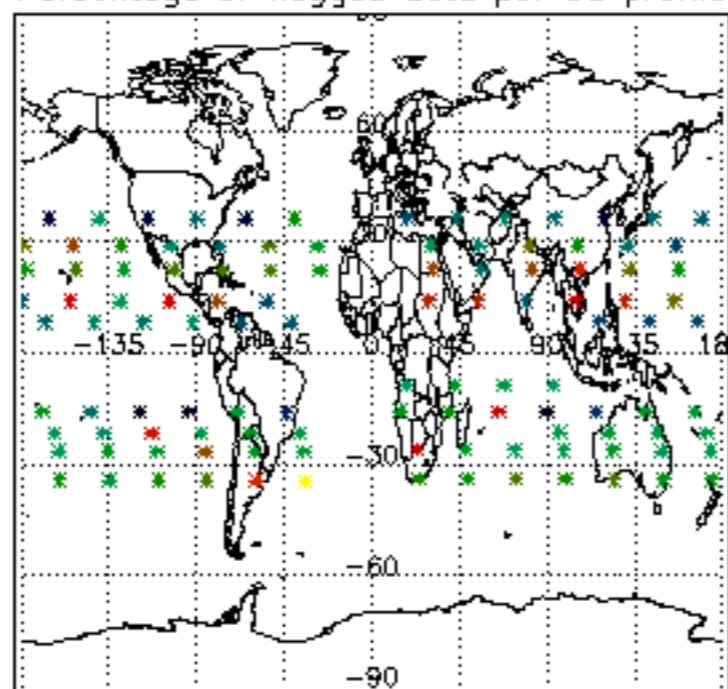
6. Auxiliary Data Files used for the production reported in section 2

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.

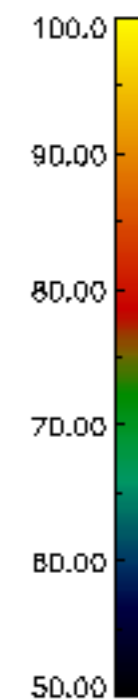
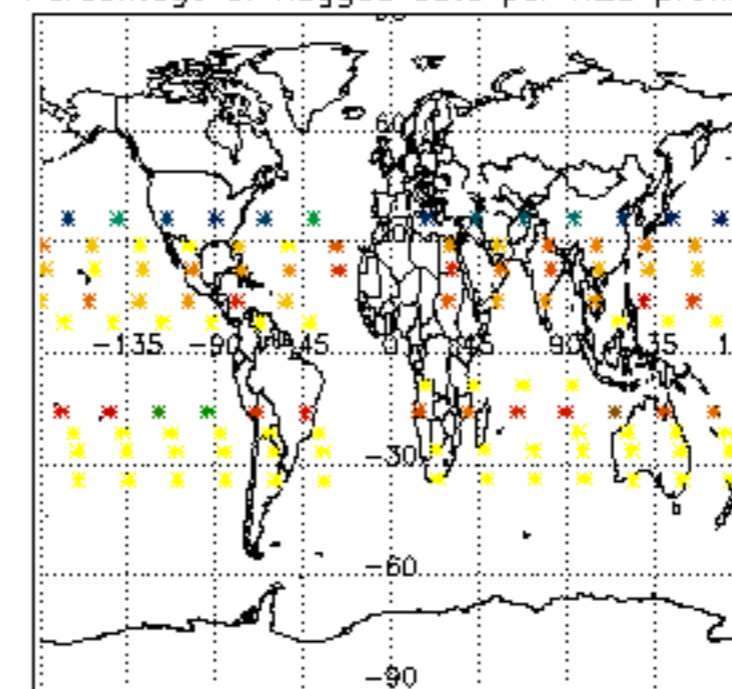
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	21-JAN-2004 00:01:30
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	21-JAN-2004 00:01:30
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	21-JAN-2004 00:01:30



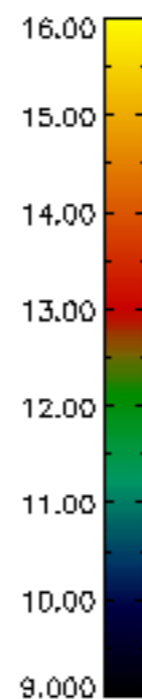
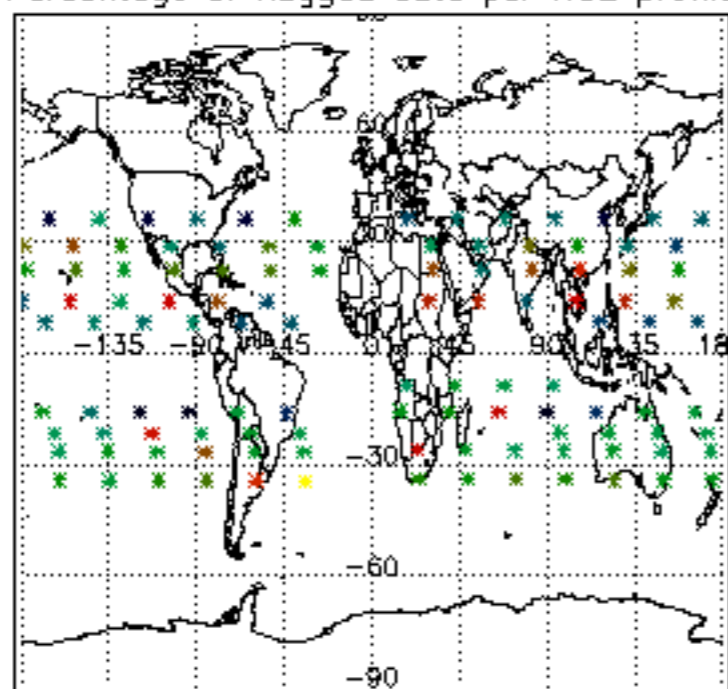
Percentage of flagged data per D3 profile



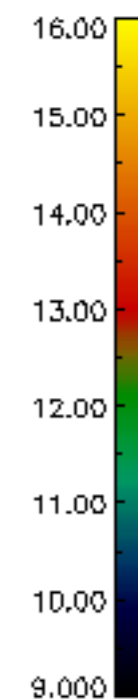
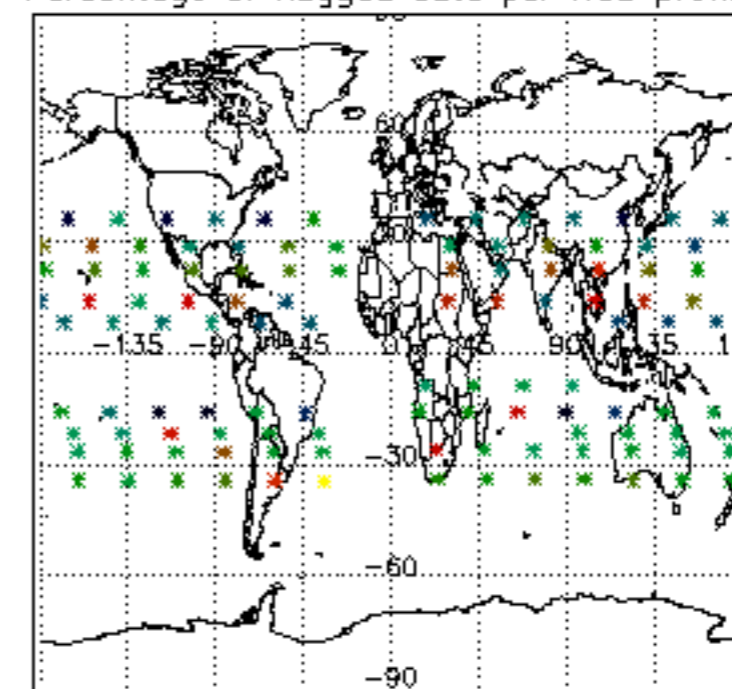
Percentage of flagged data per H2O profile

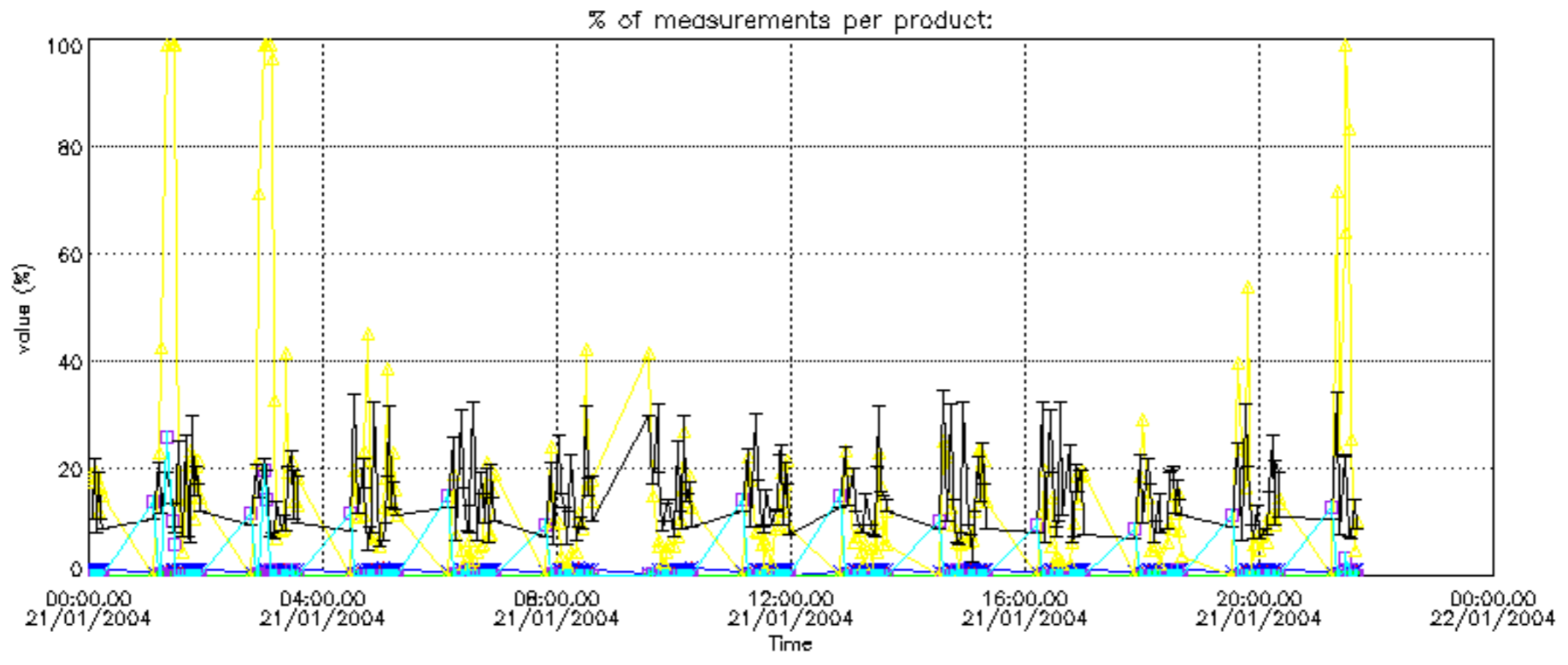


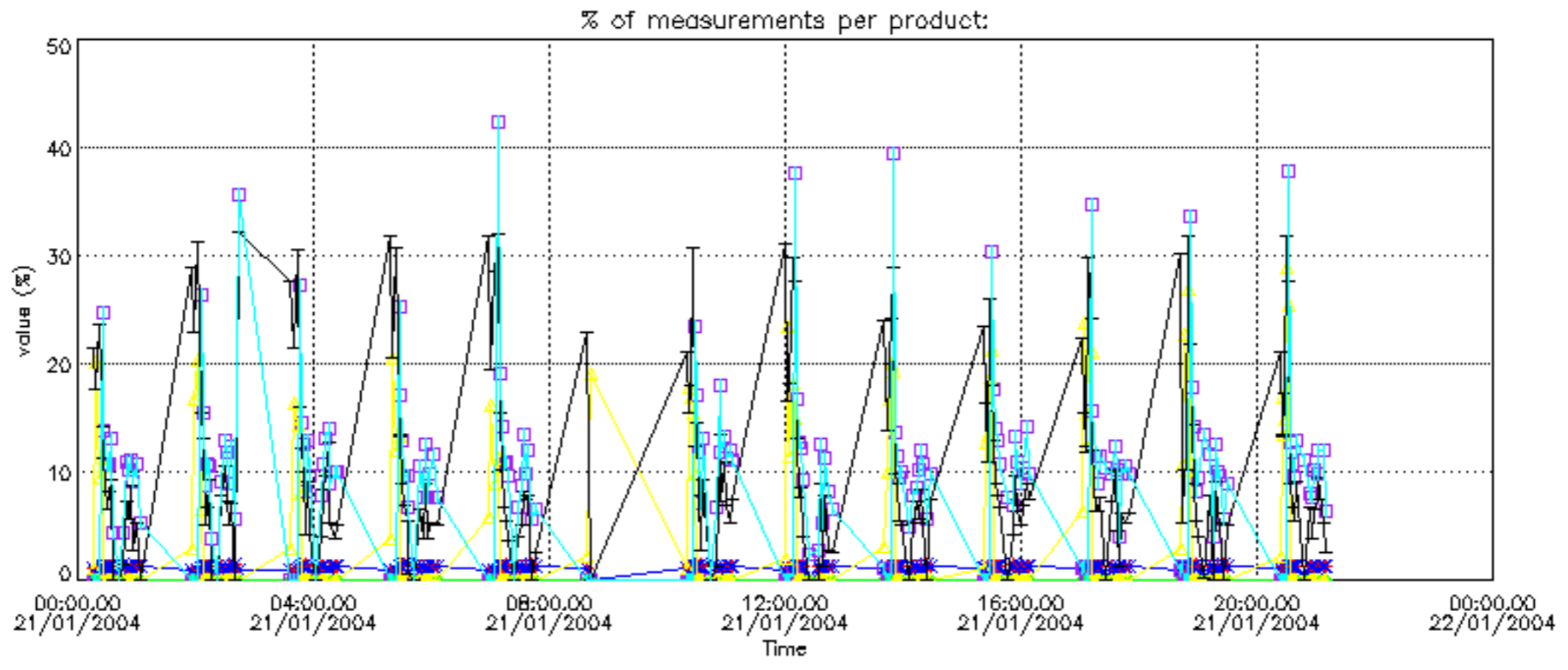
Percentage of flagged data per NO2 profile



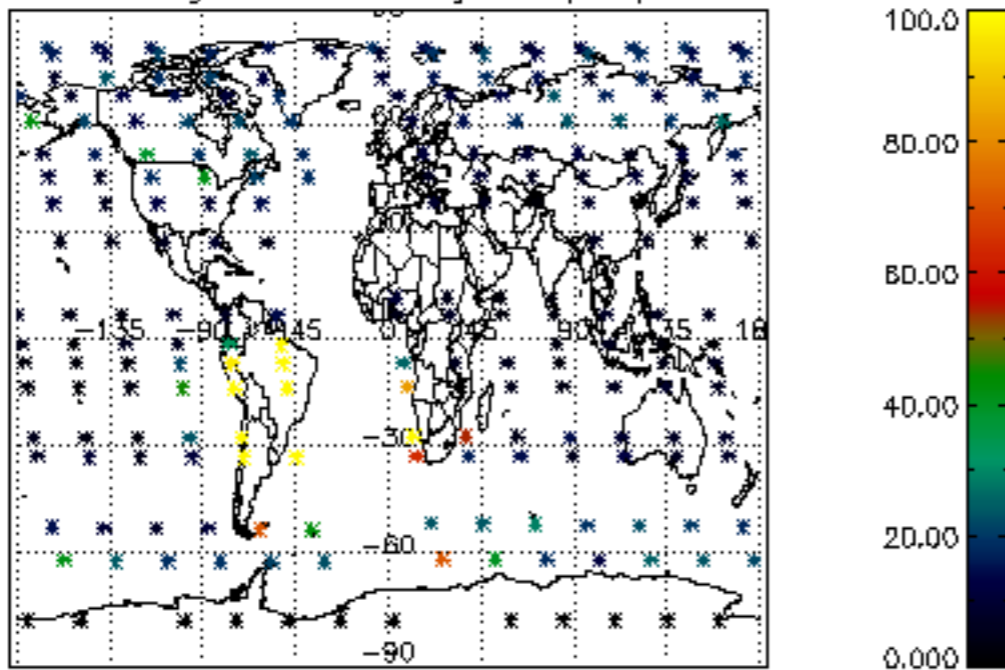
Percentage of flagged data per NO3 profile



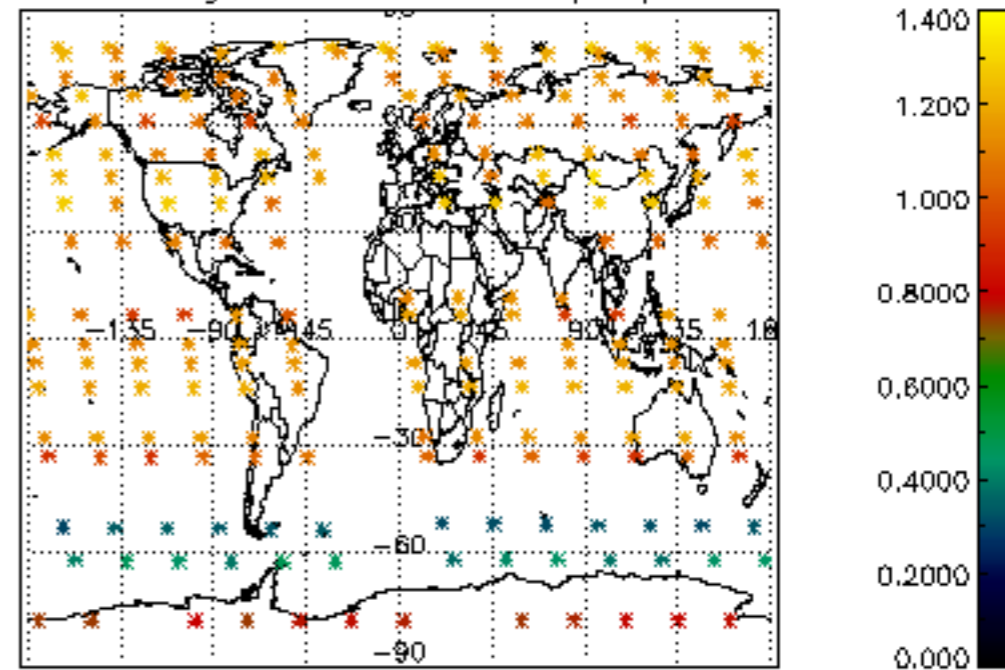




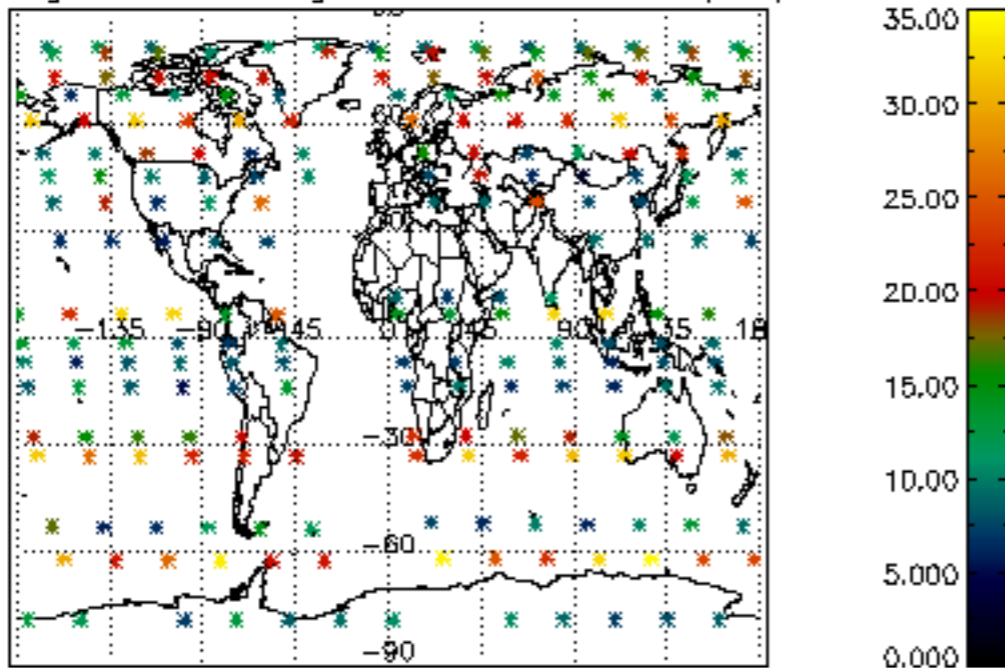
Percentage of cosmic ray hits per profile



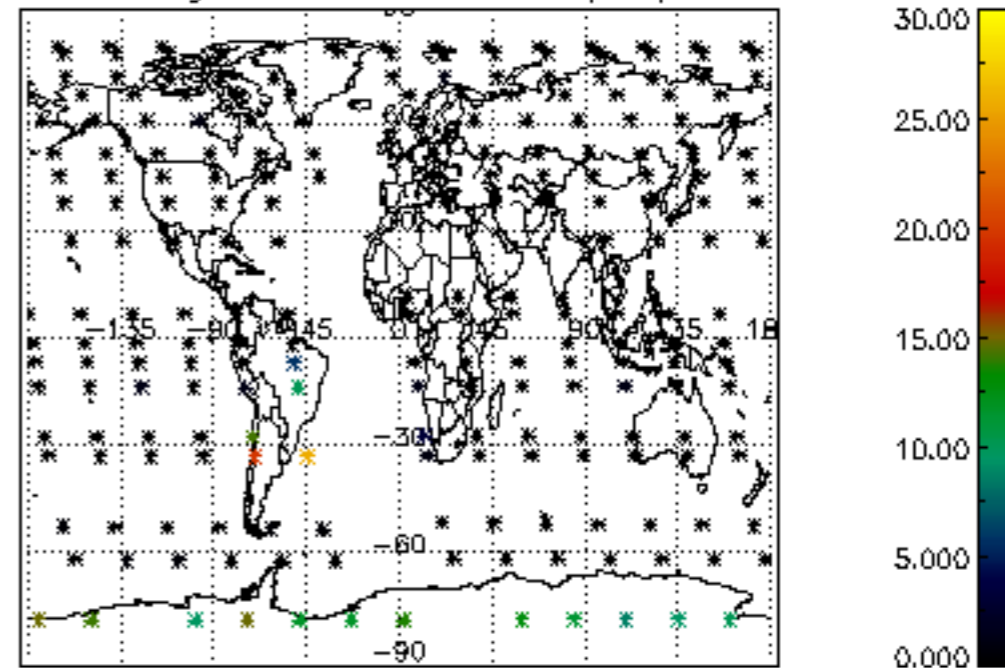
Percentage of datation errors per profile



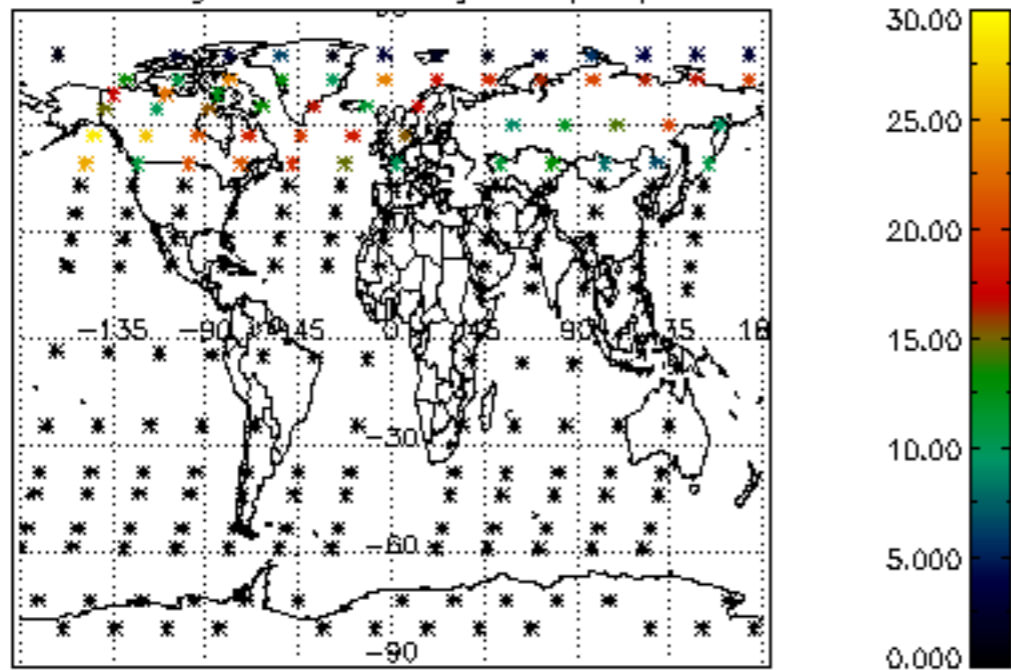
Percentage of star falling outside central band per profile



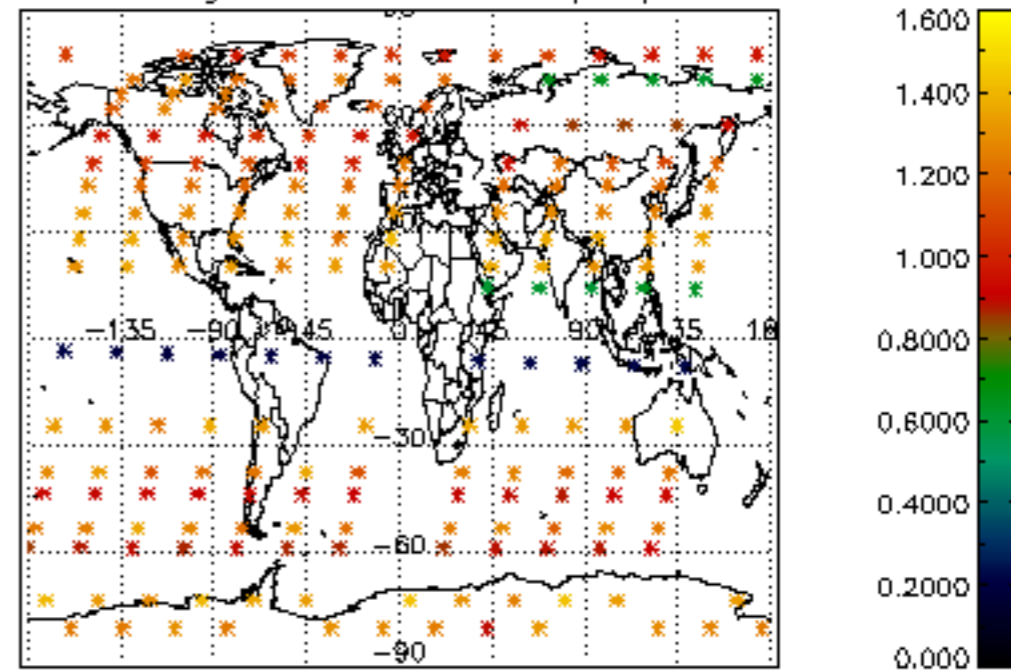
Percentage of saturation errors per profile



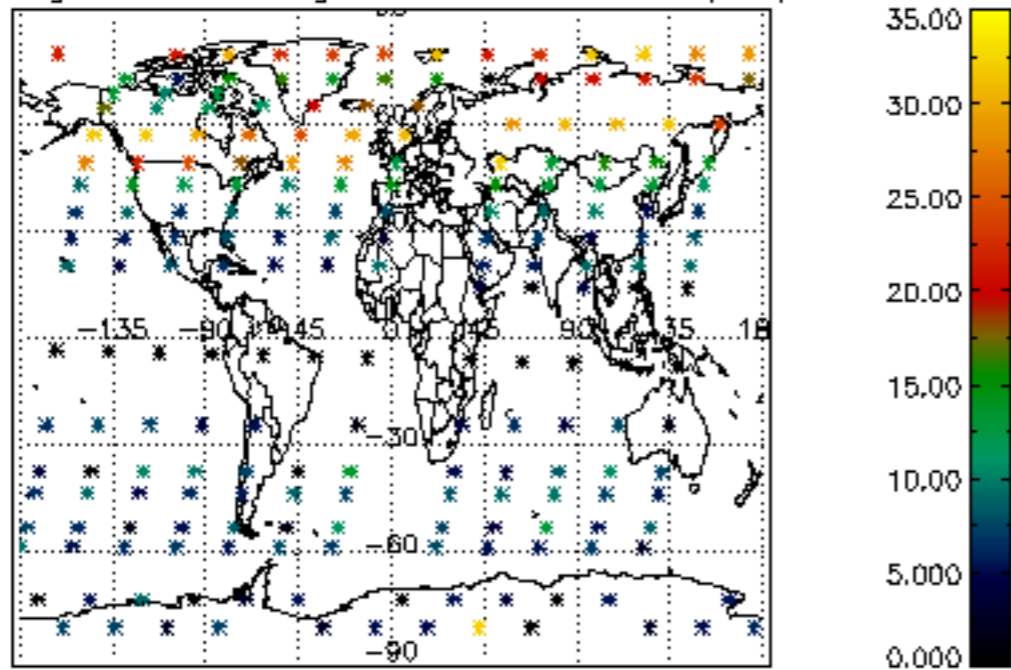
Percentage of cosmic ray hits per profile



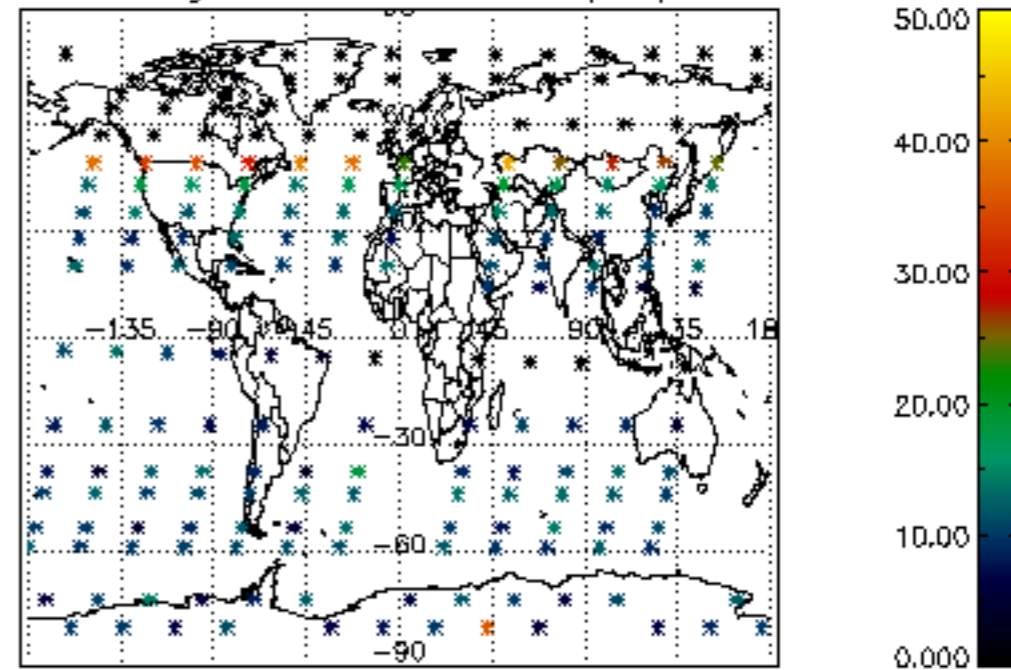
Percentage of datation errors per profile

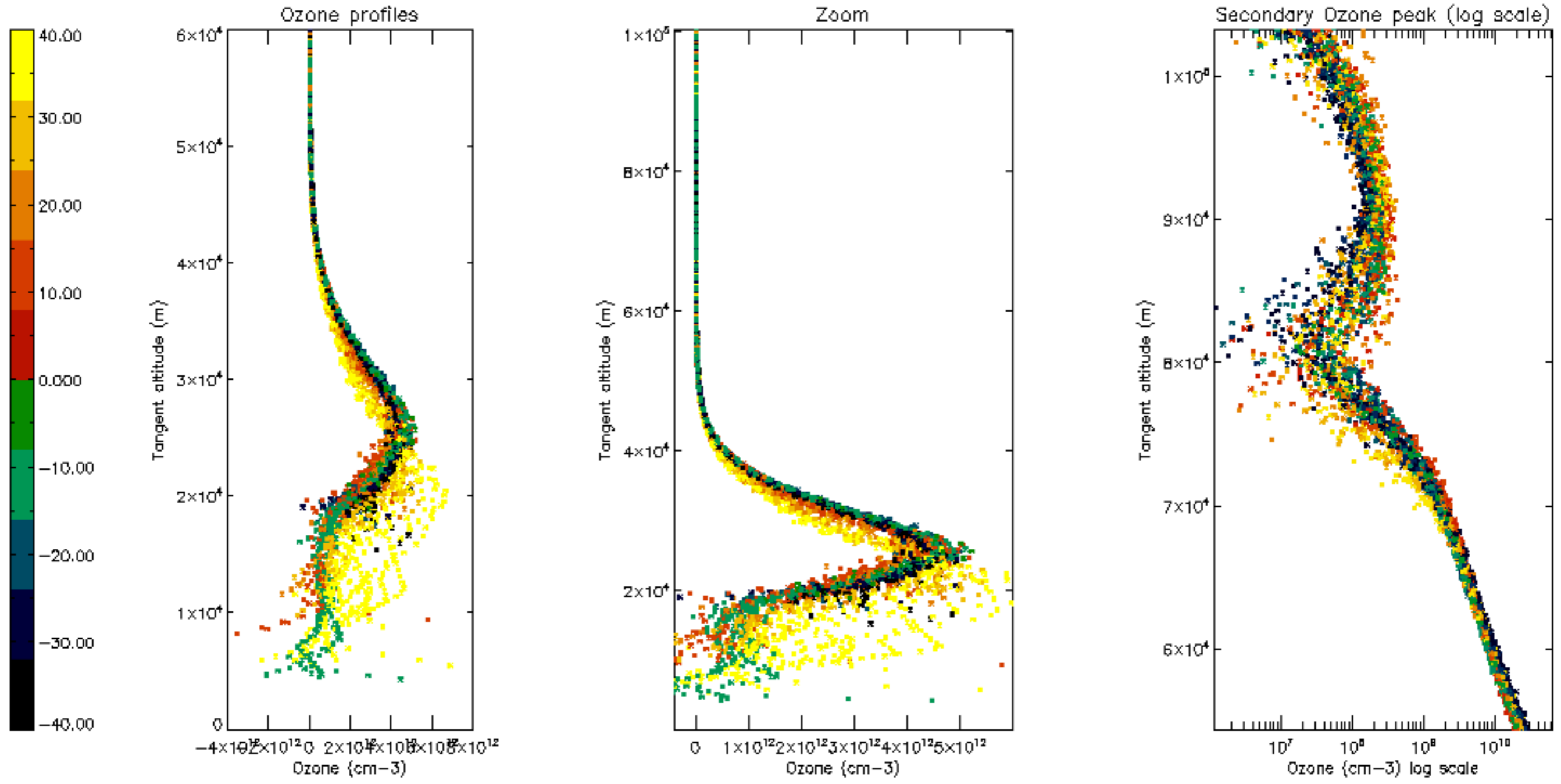


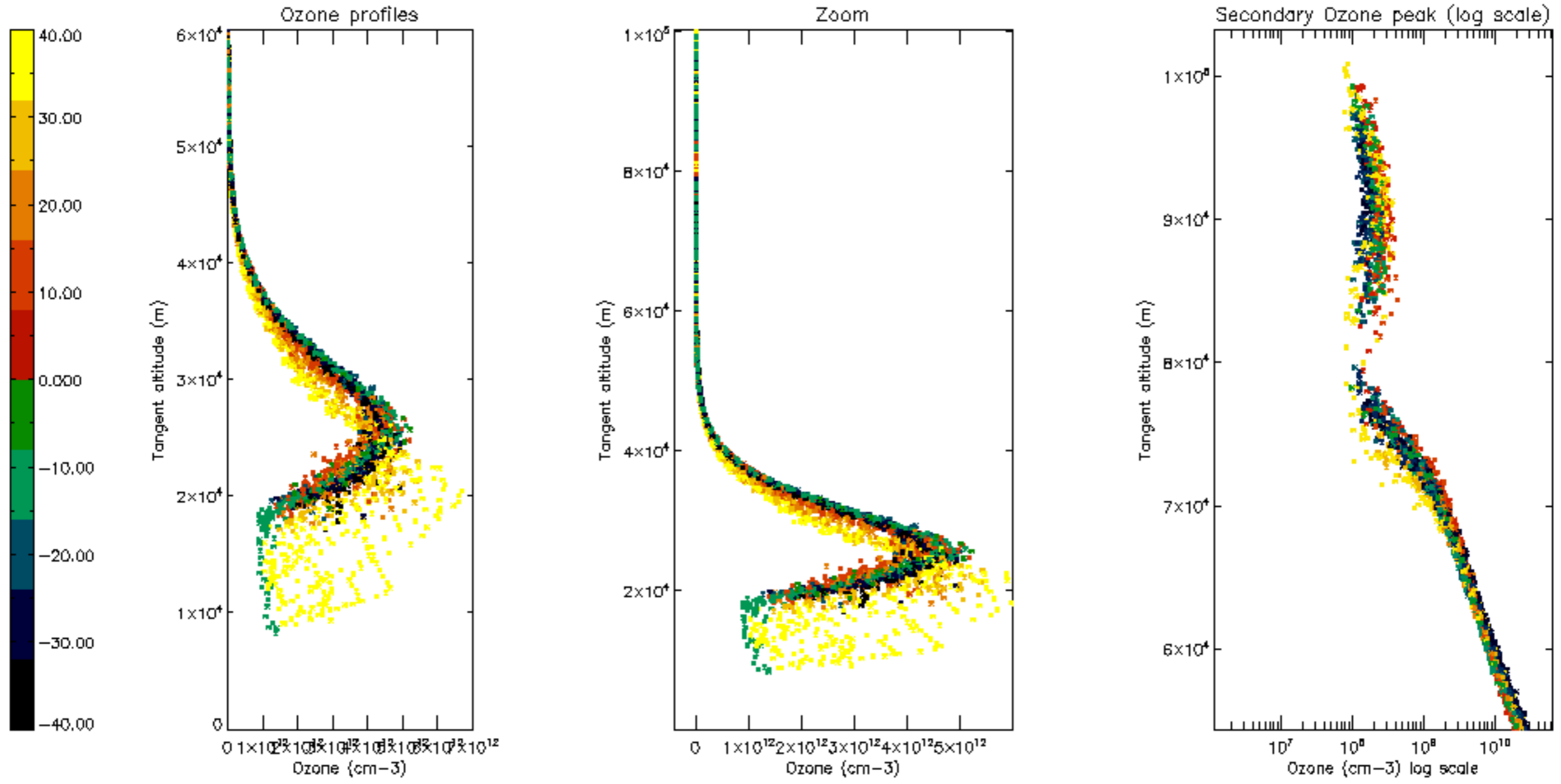
Percentage of star falling outside central band per profile

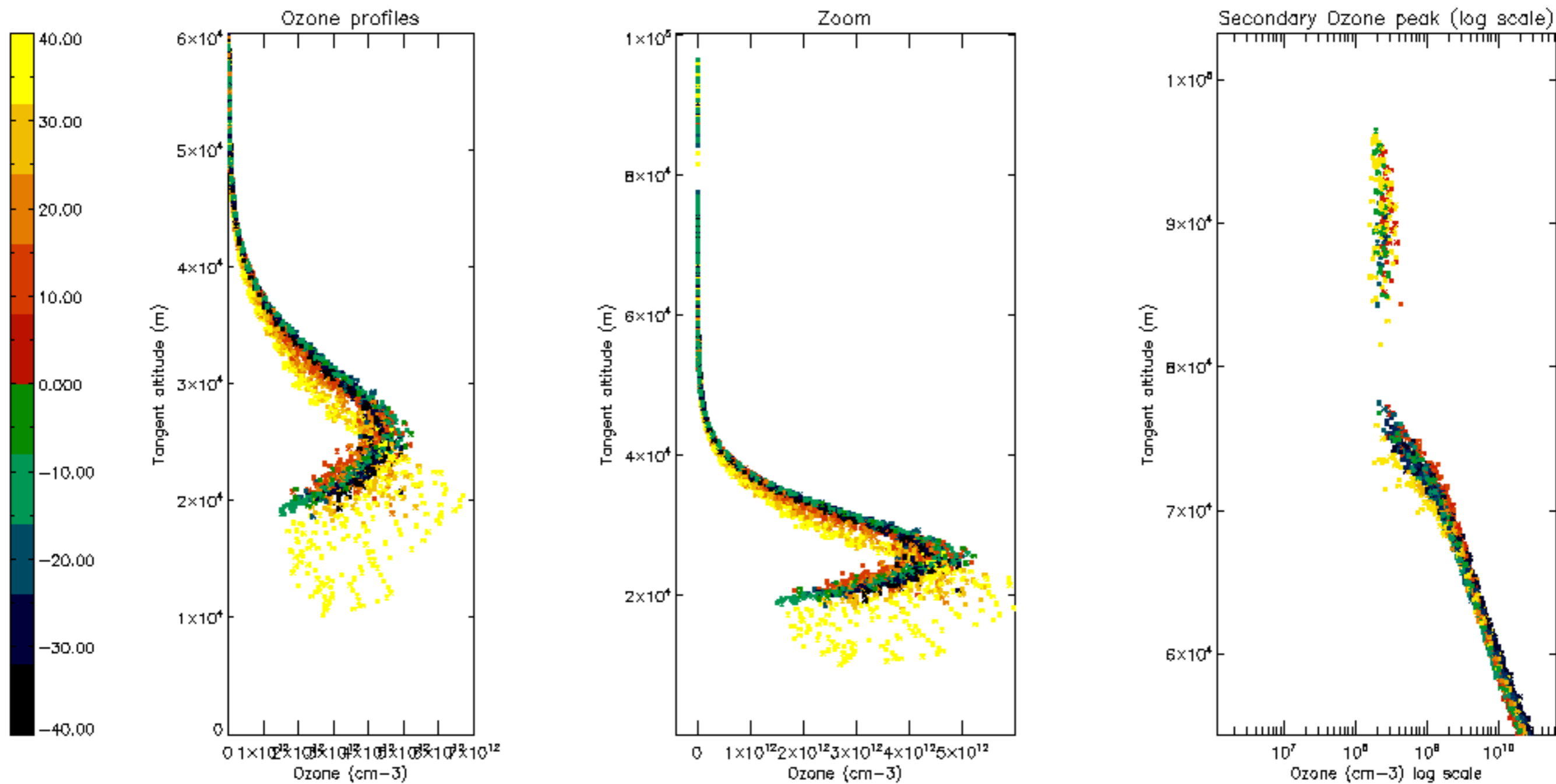


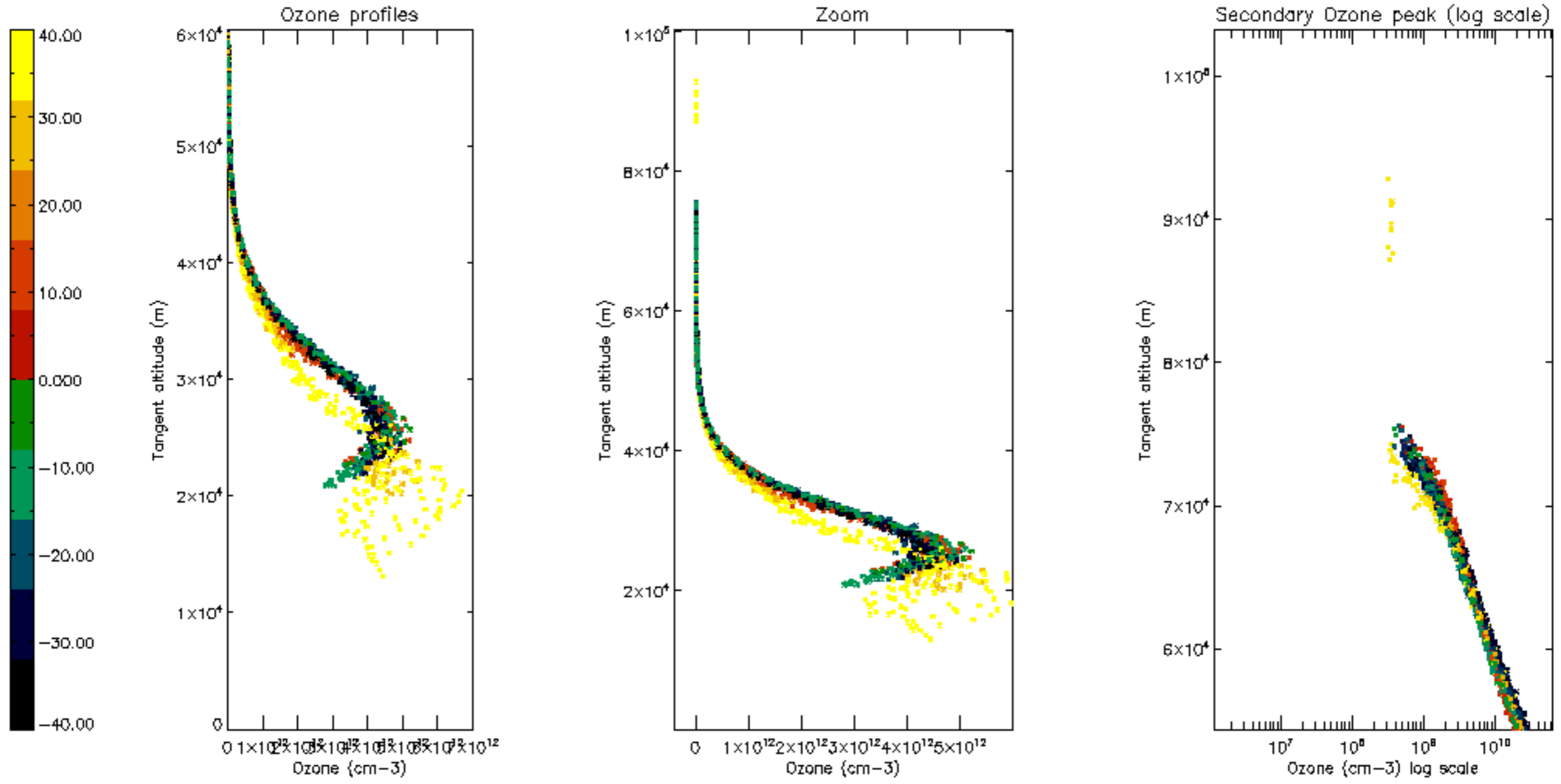
Percentage of saturation errors per profile

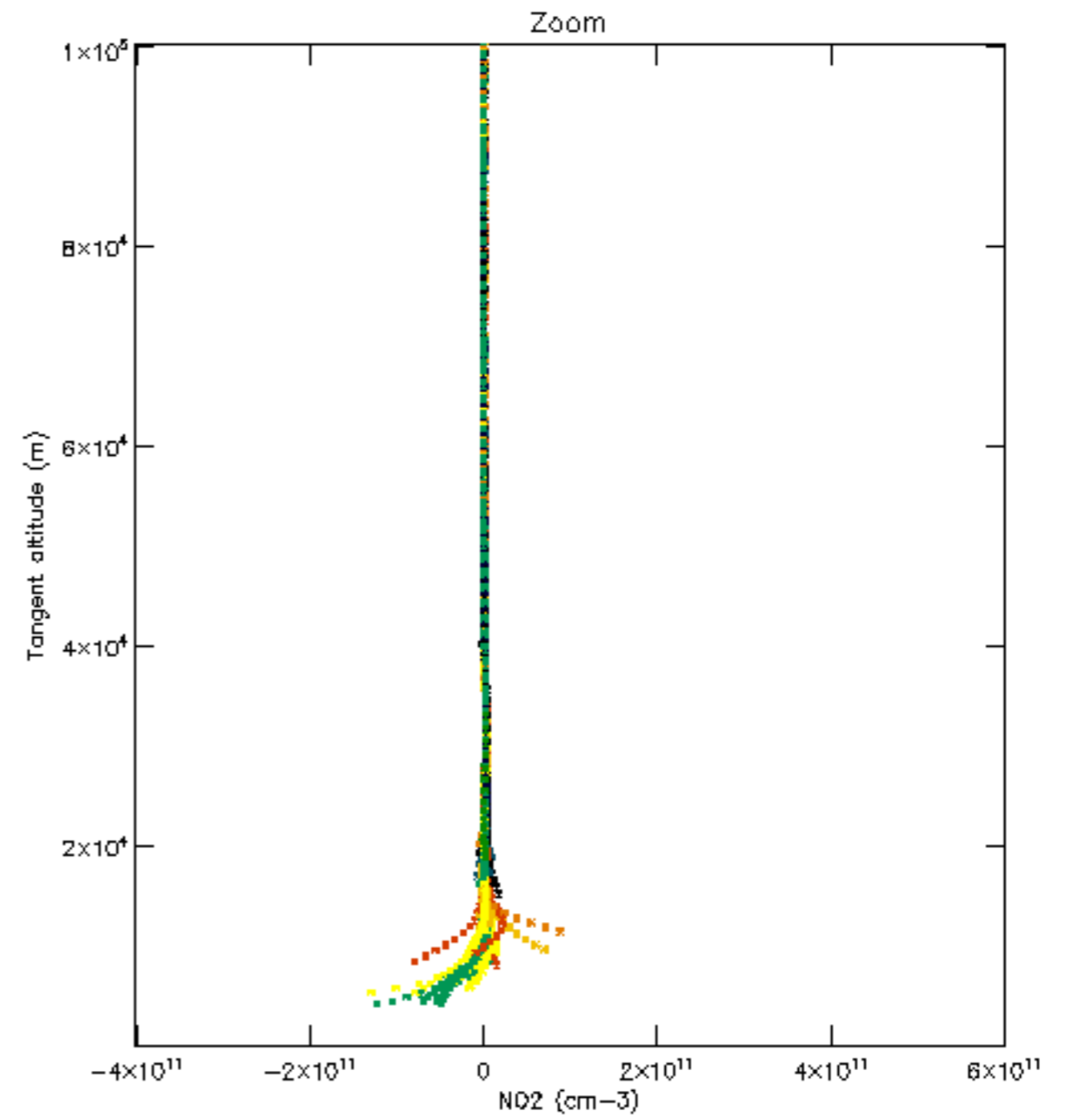
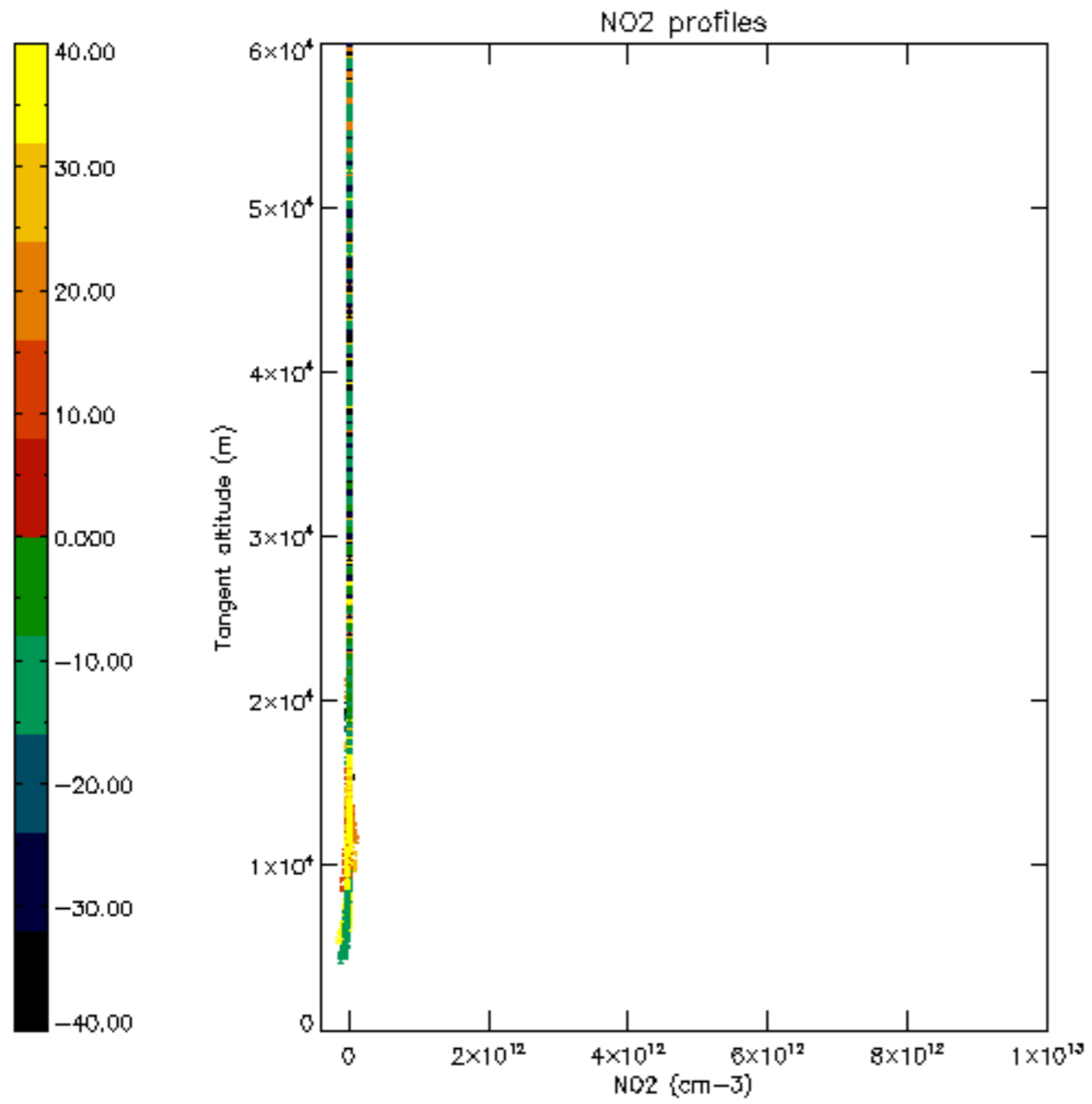


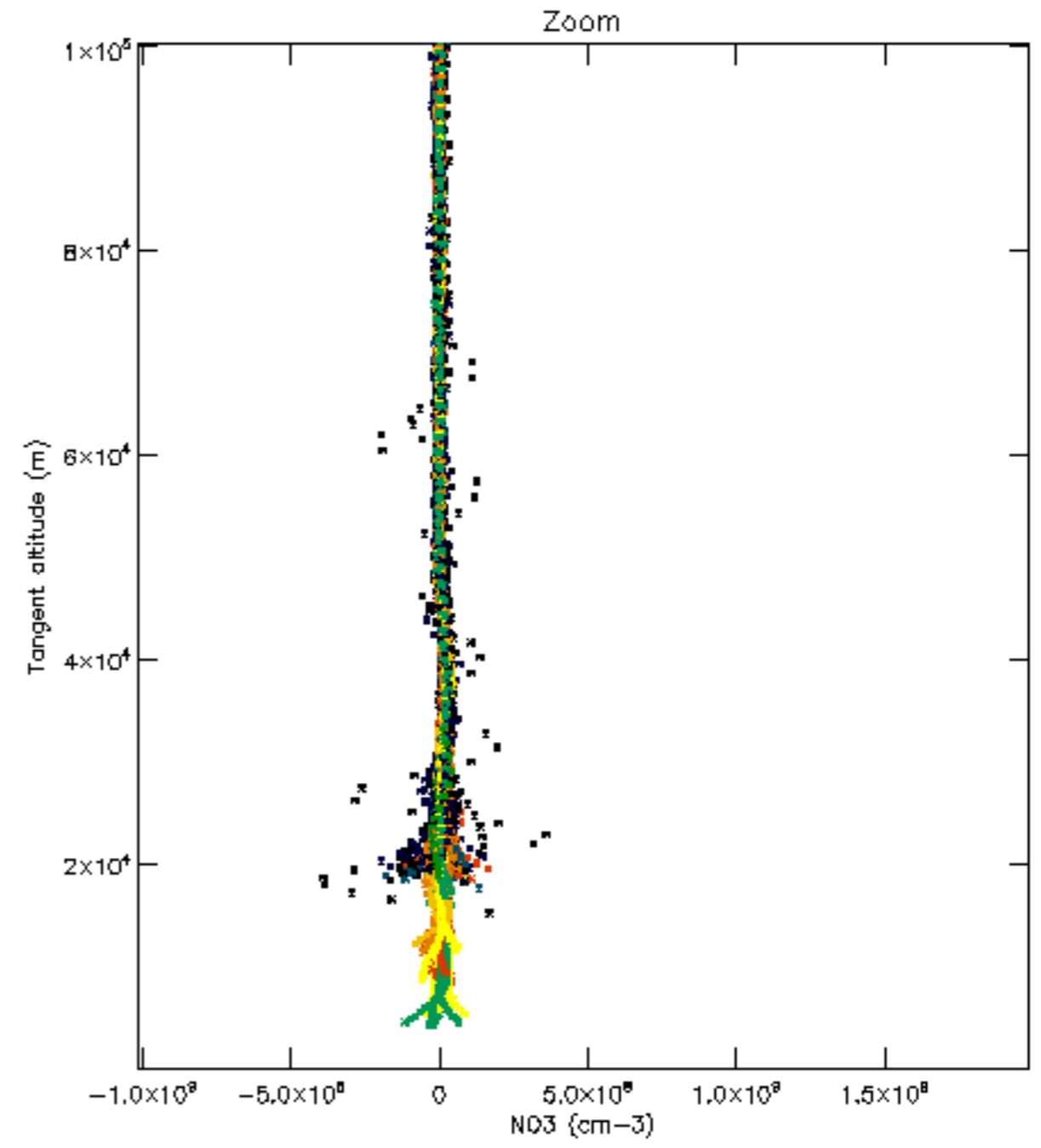
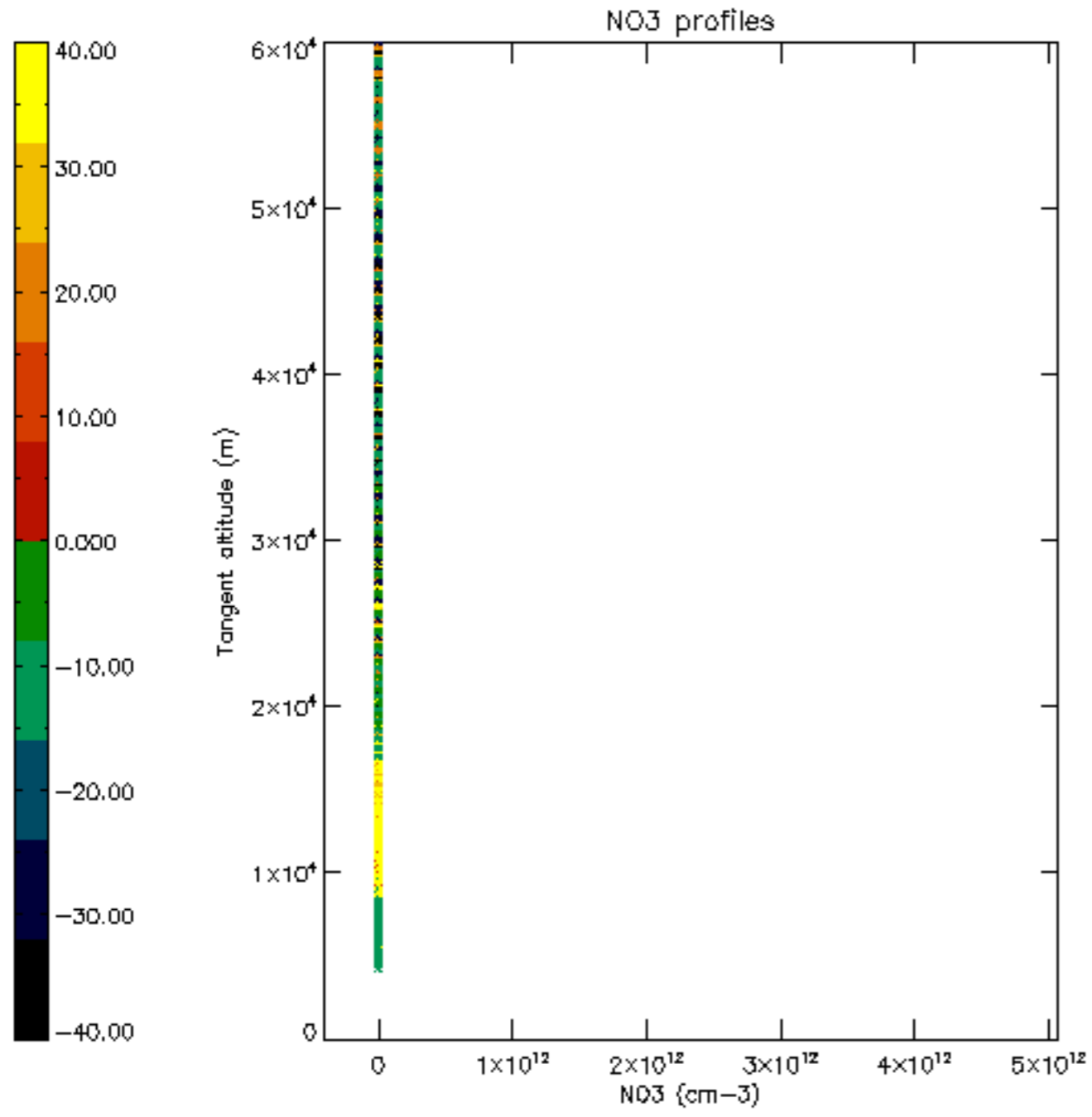


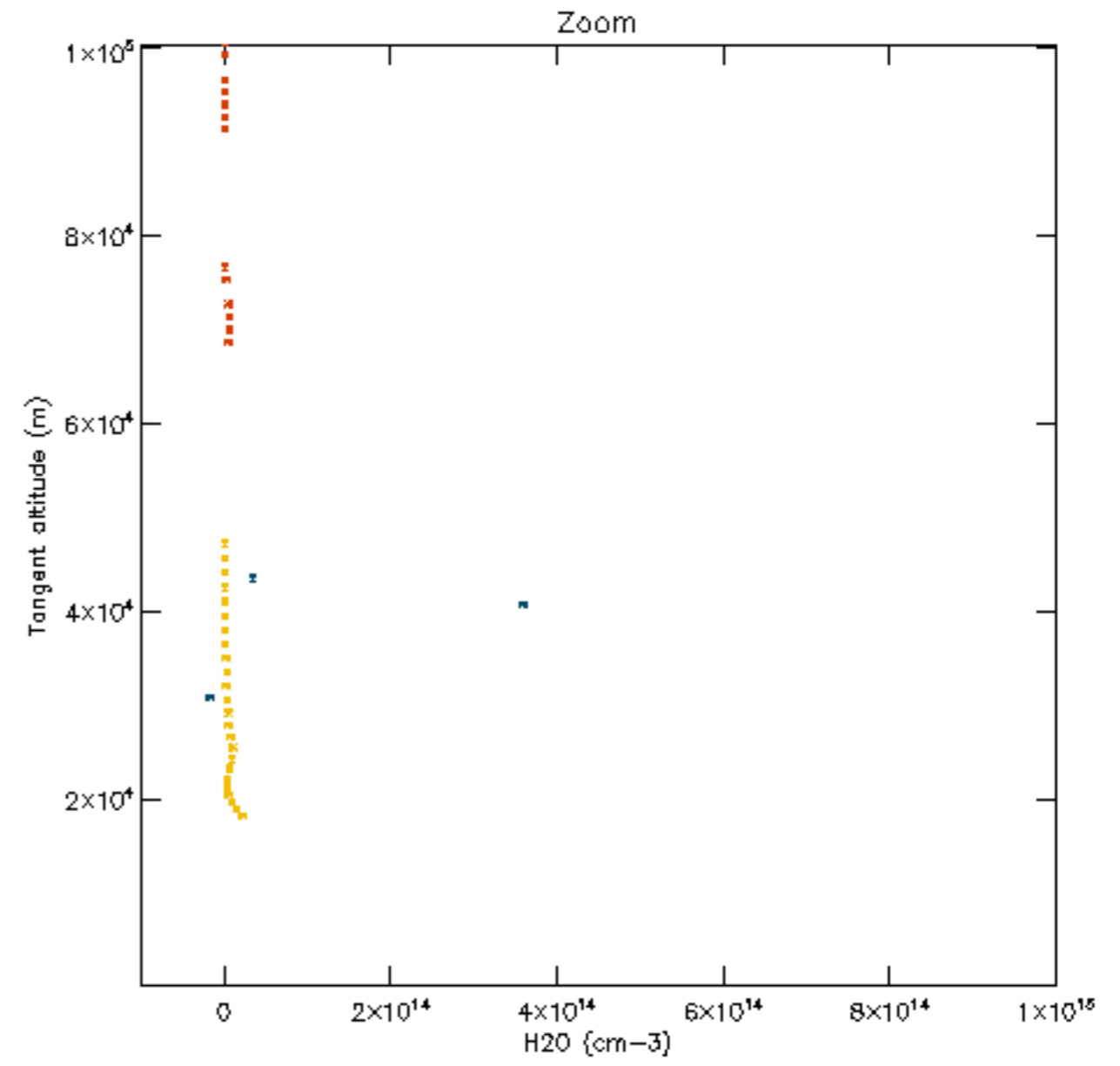
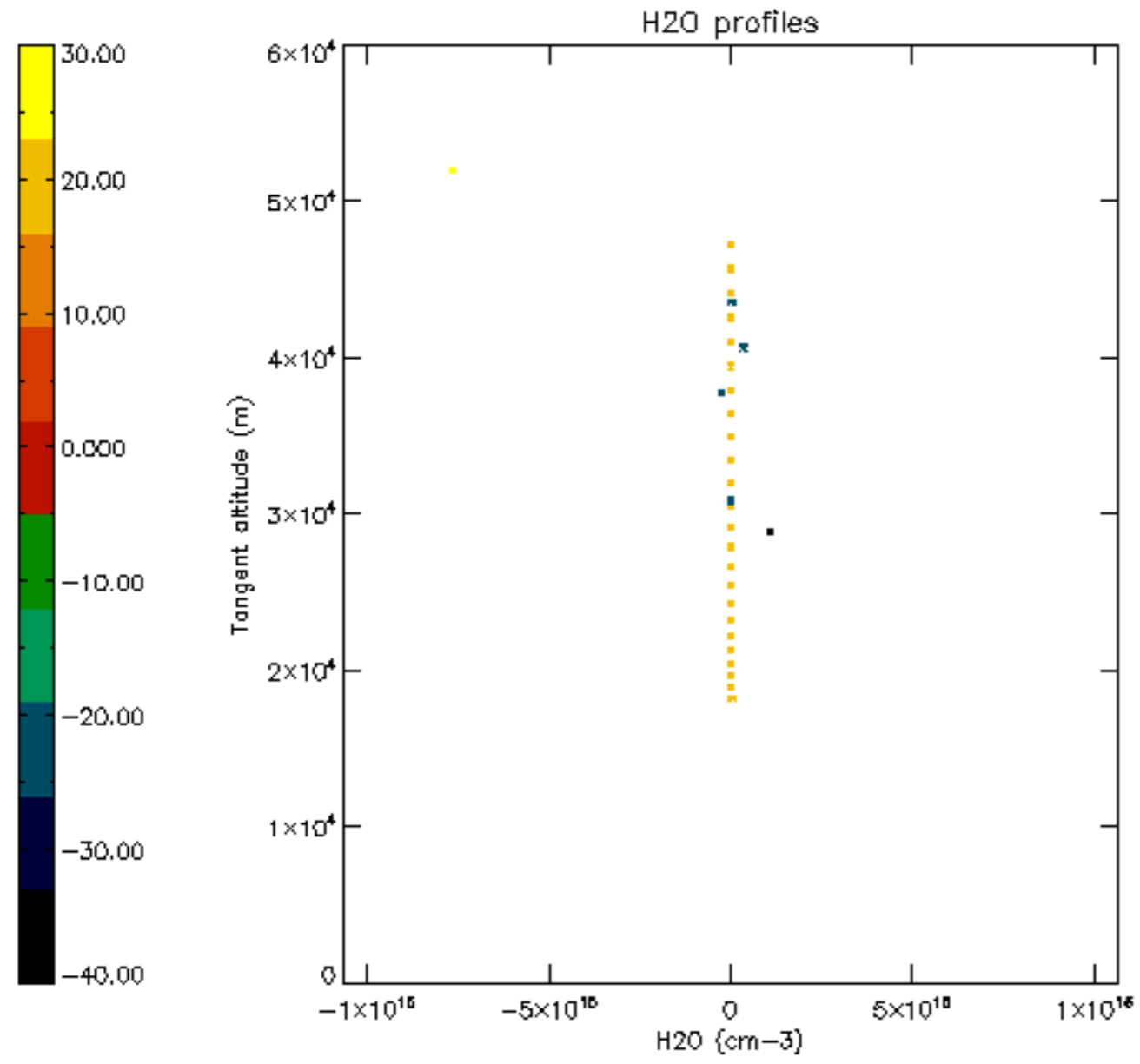


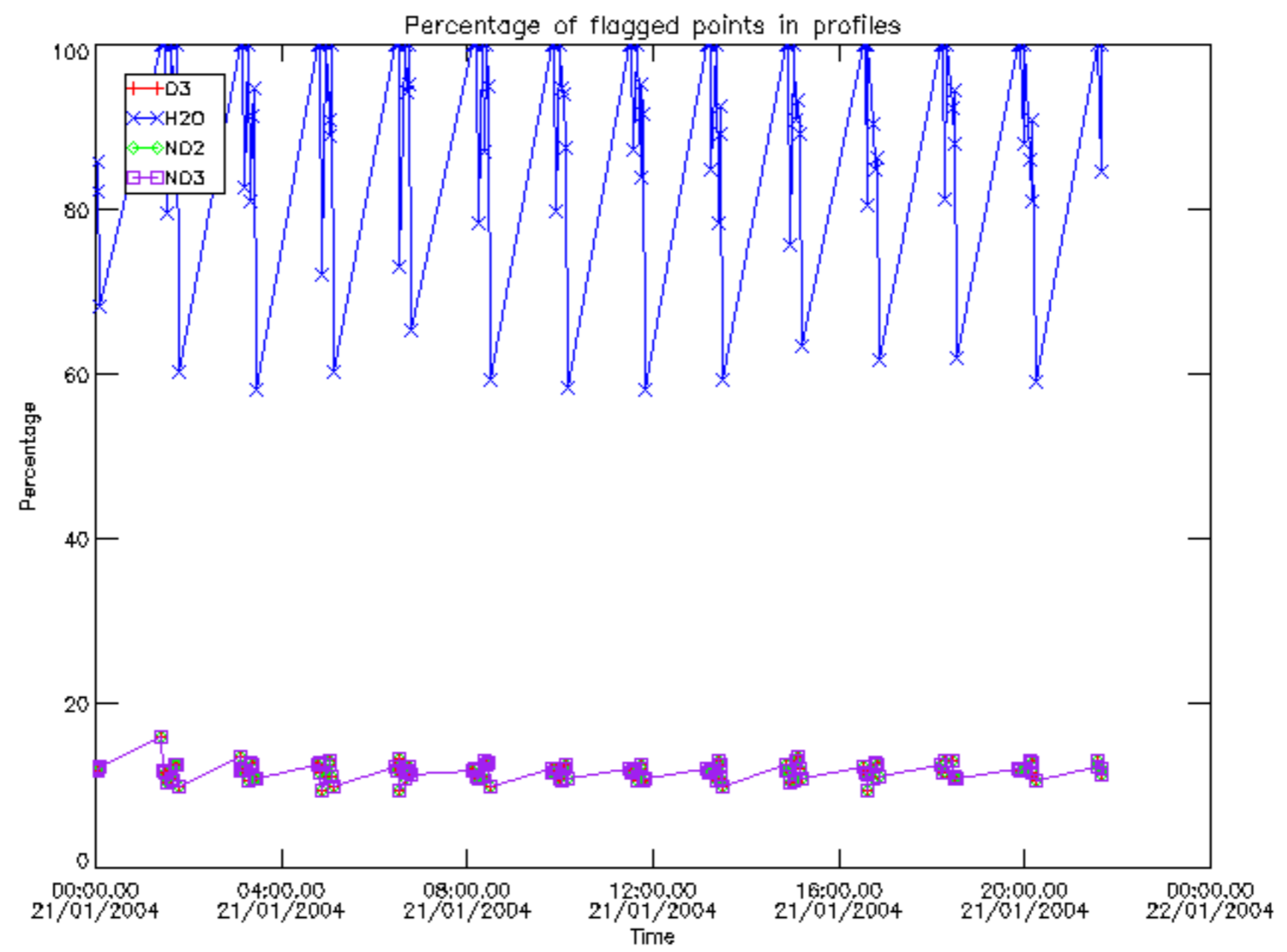




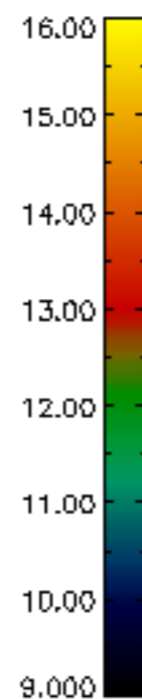
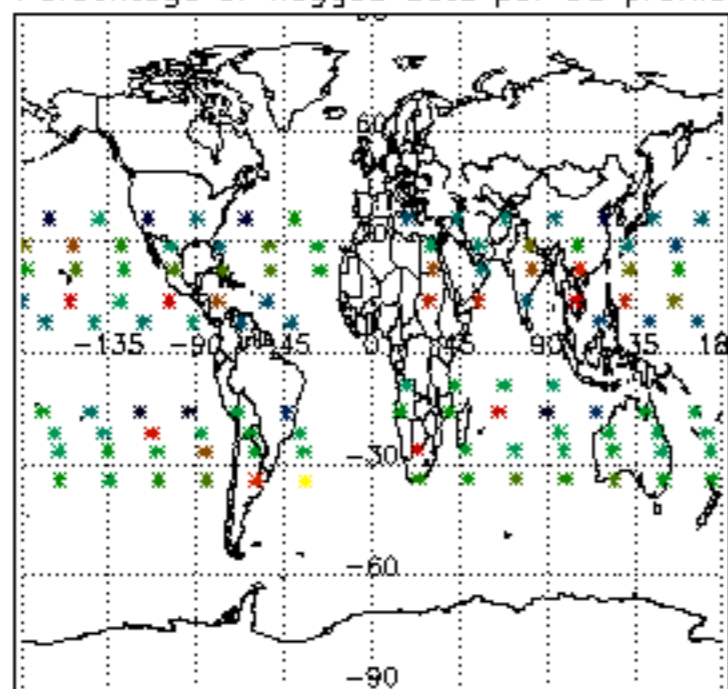




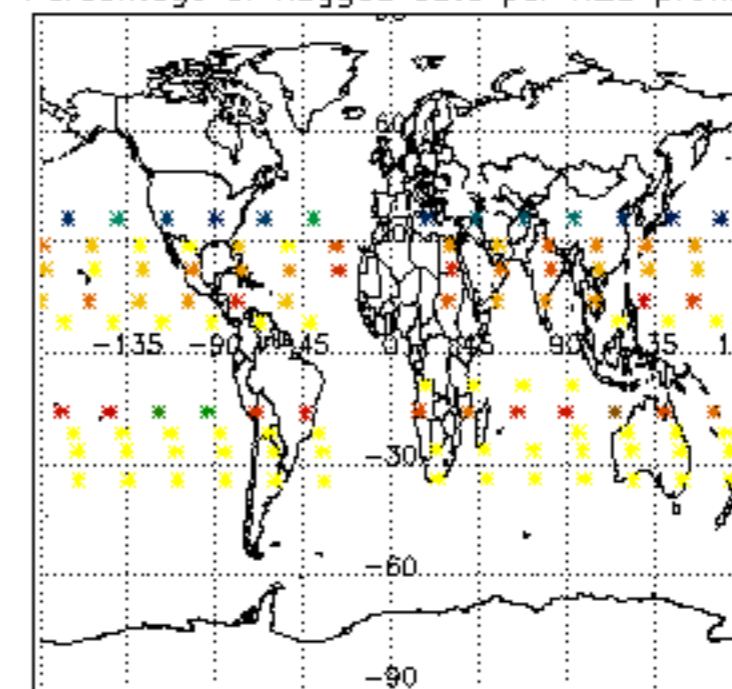




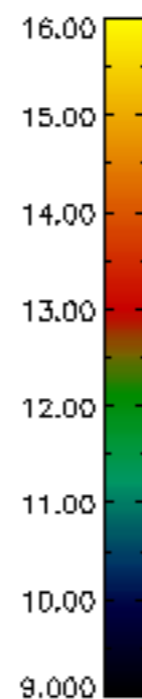
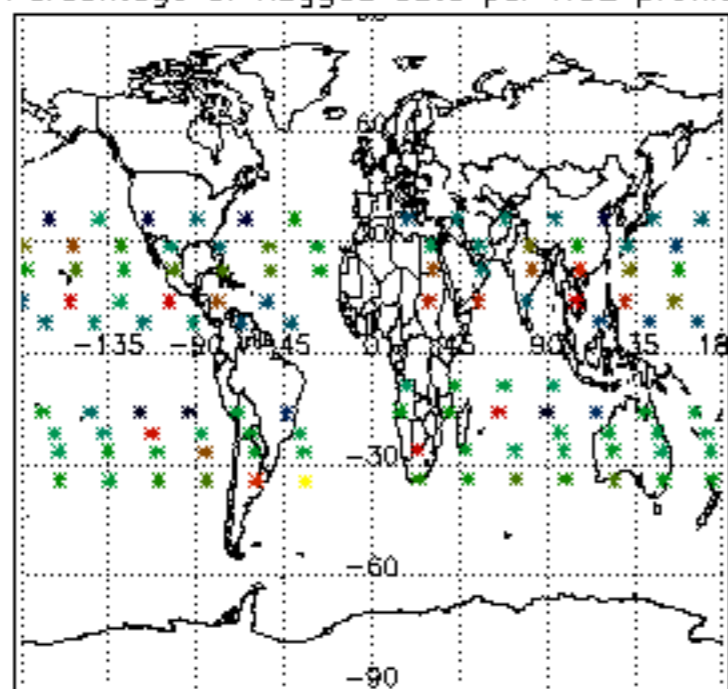
Percentage of flagged data per D3 profile



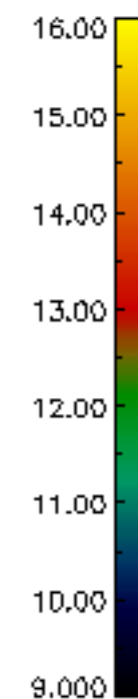
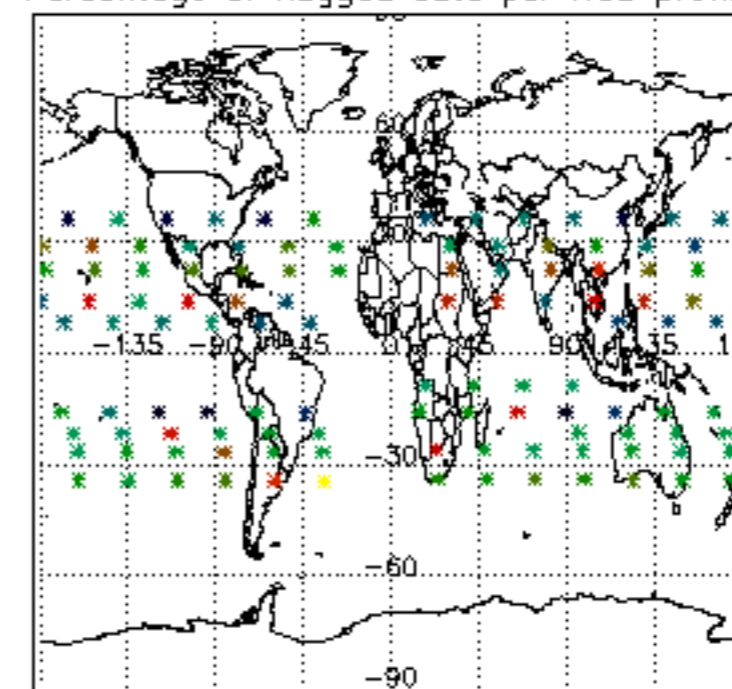
Percentage of flagged data per H2O profile

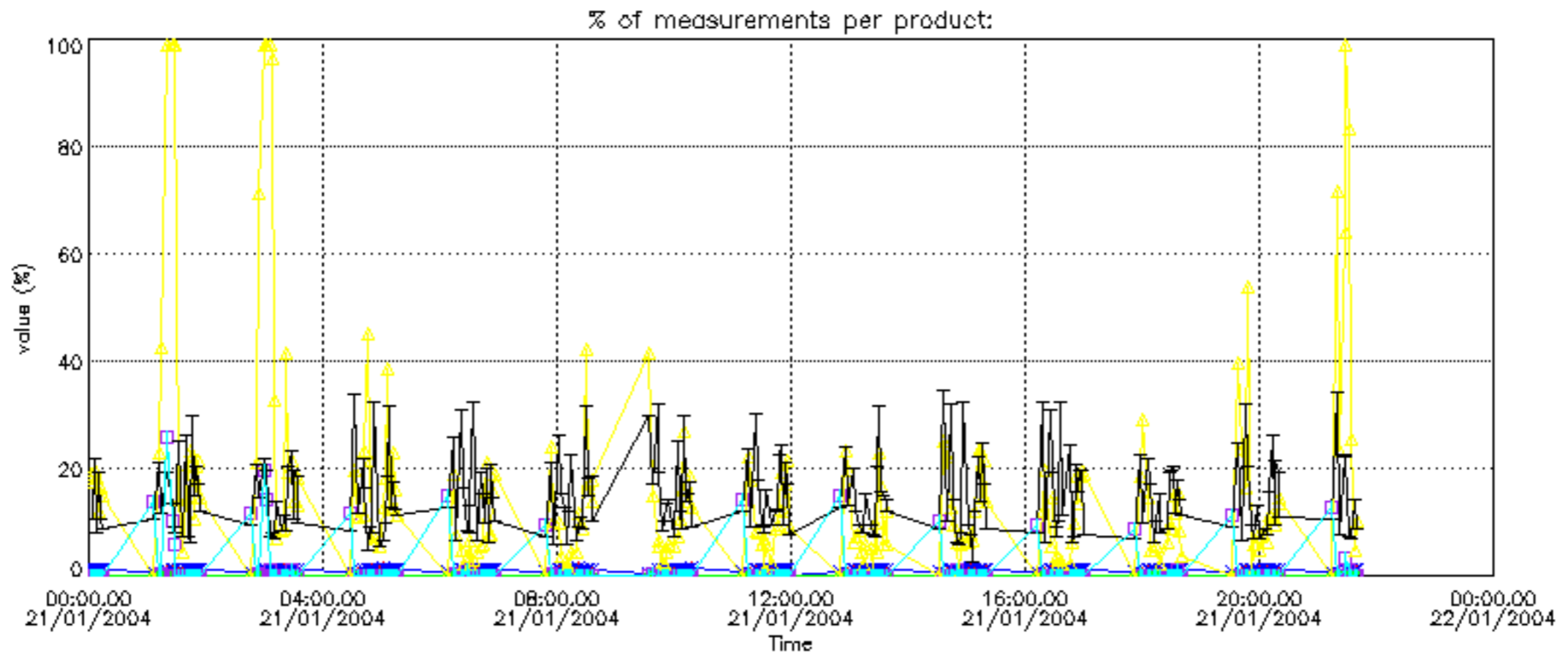


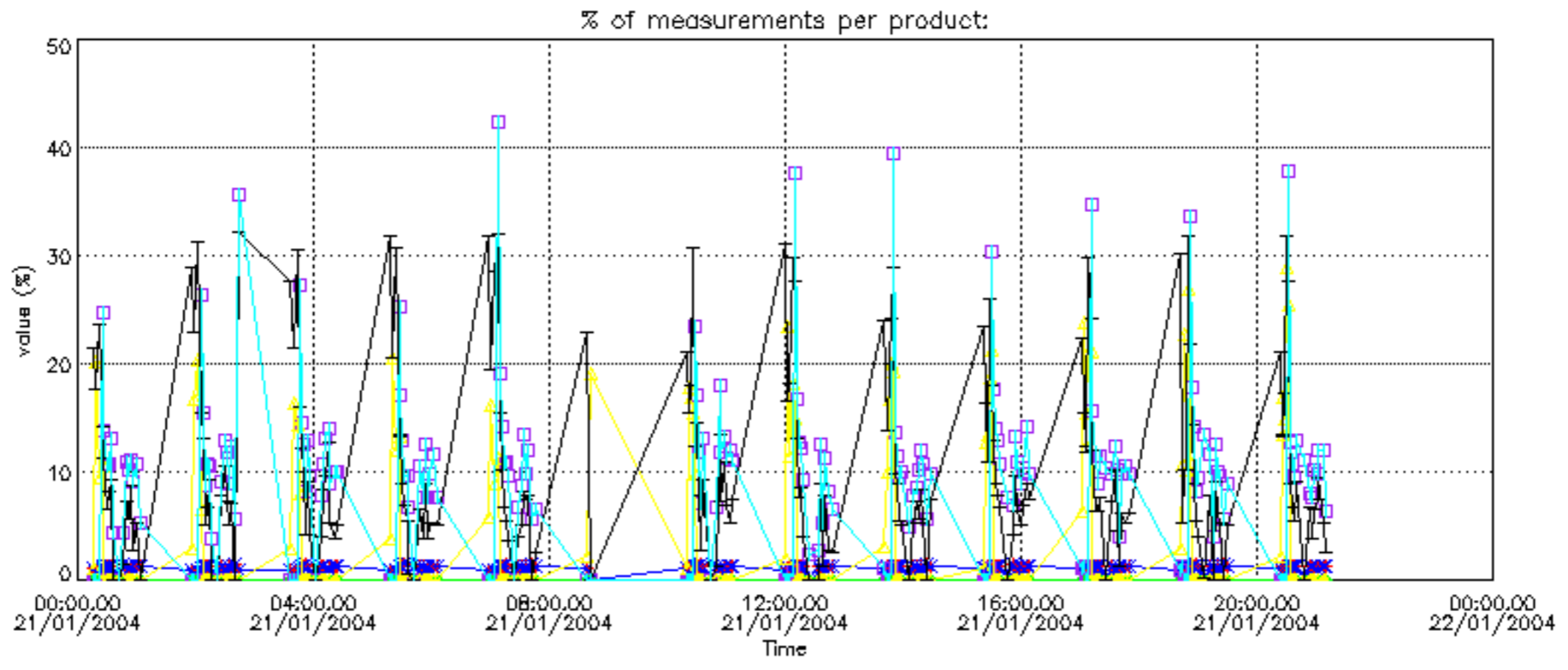
Percentage of flagged data per NO2 profile



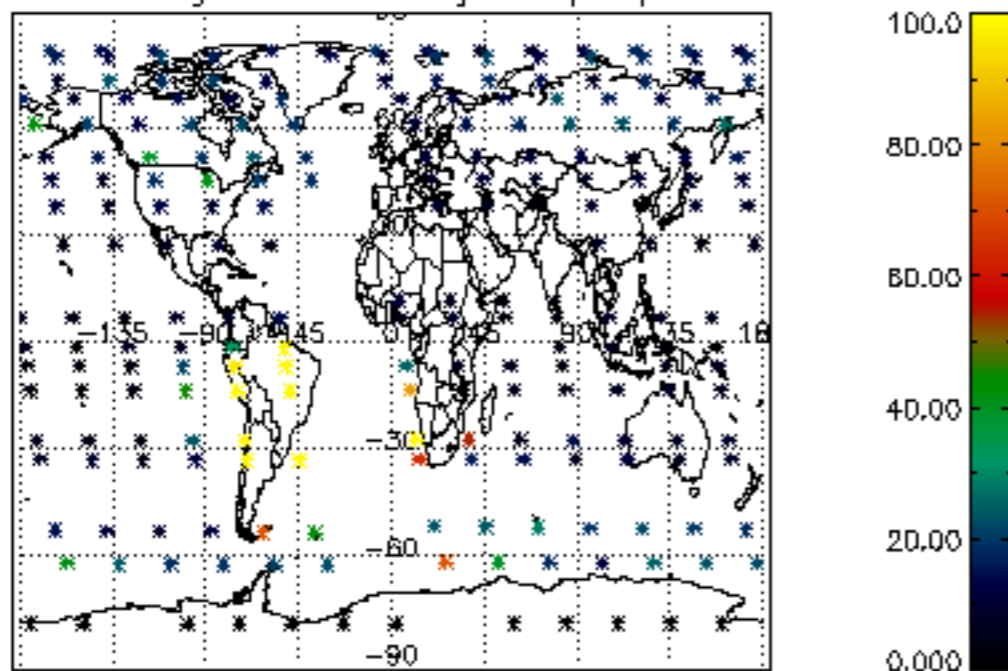
Percentage of flagged data per NO3 profile



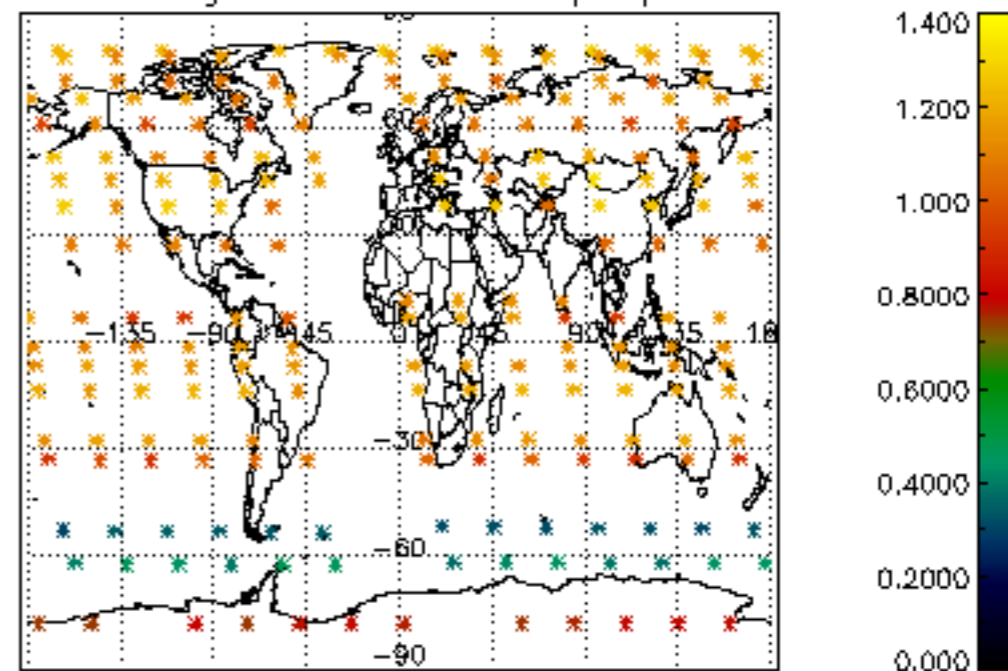




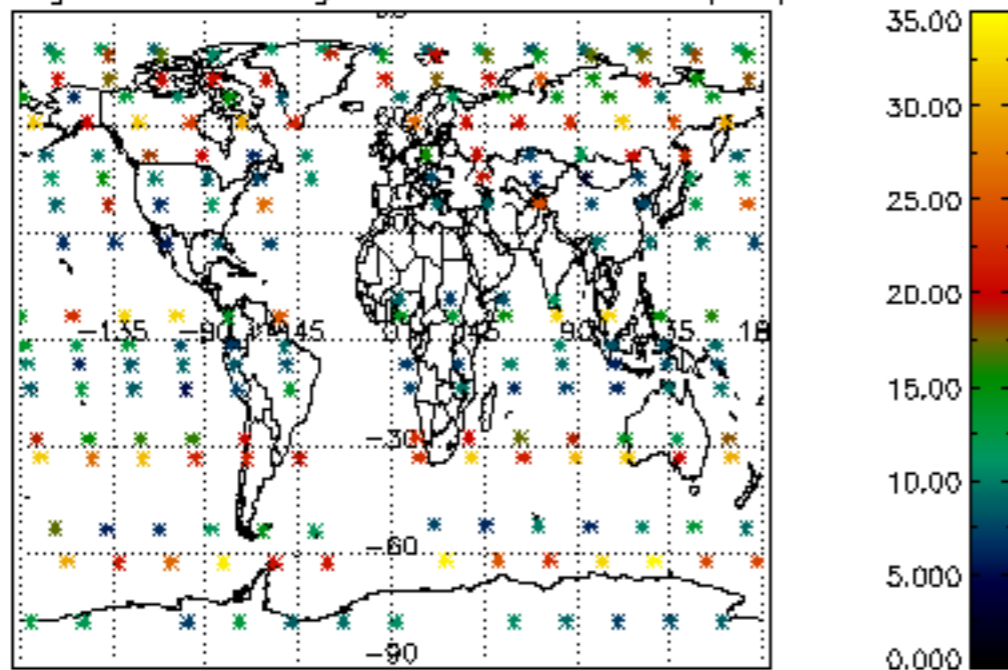
Percentage of cosmic ray hits per profile



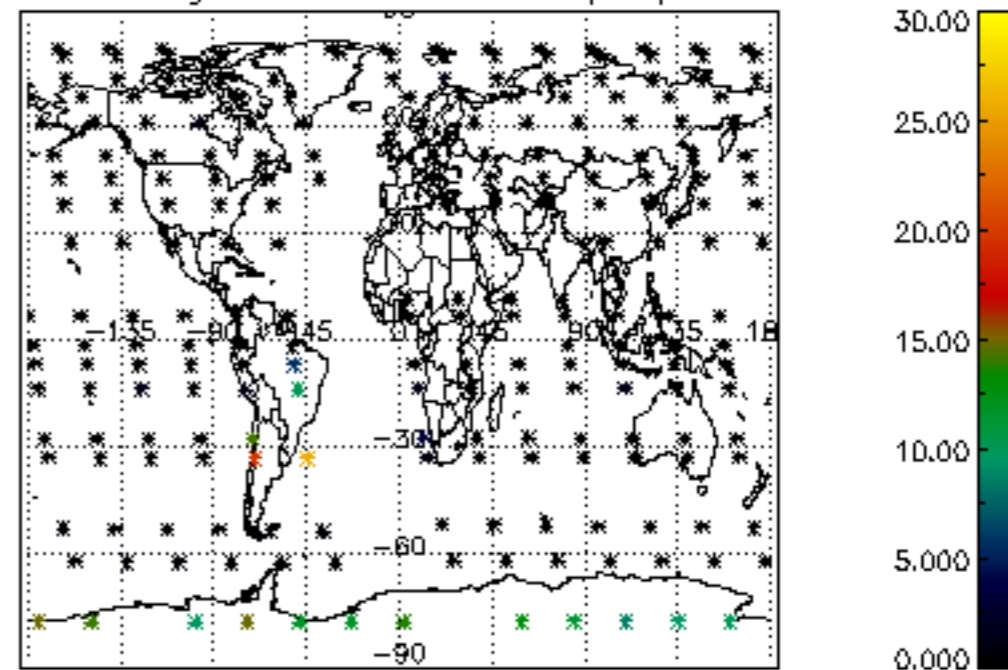
Percentage of datation errors per profile



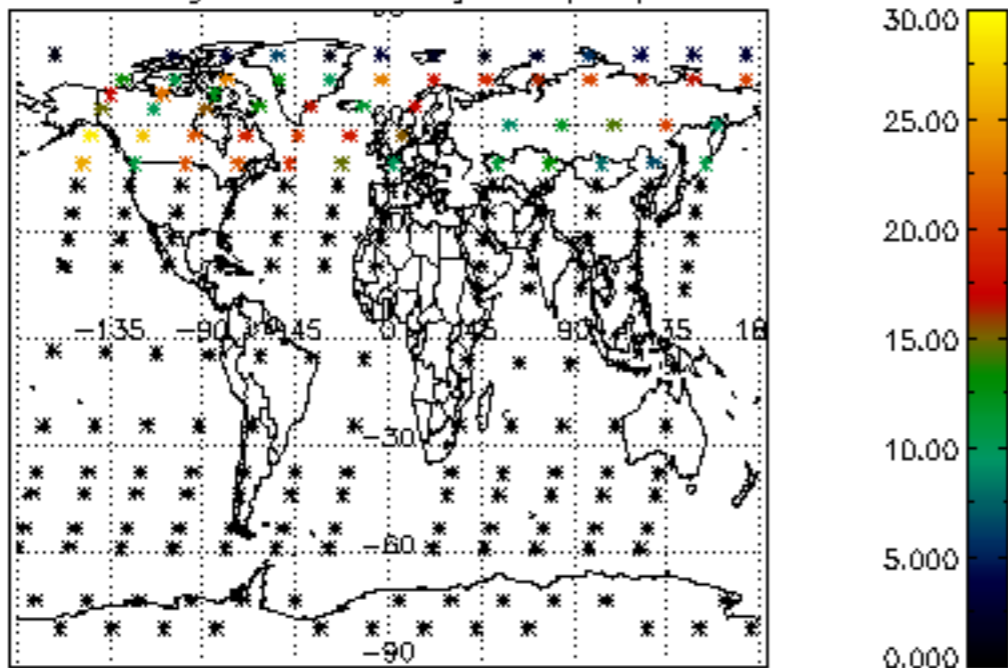
Percentage of star falling outside central band per profile



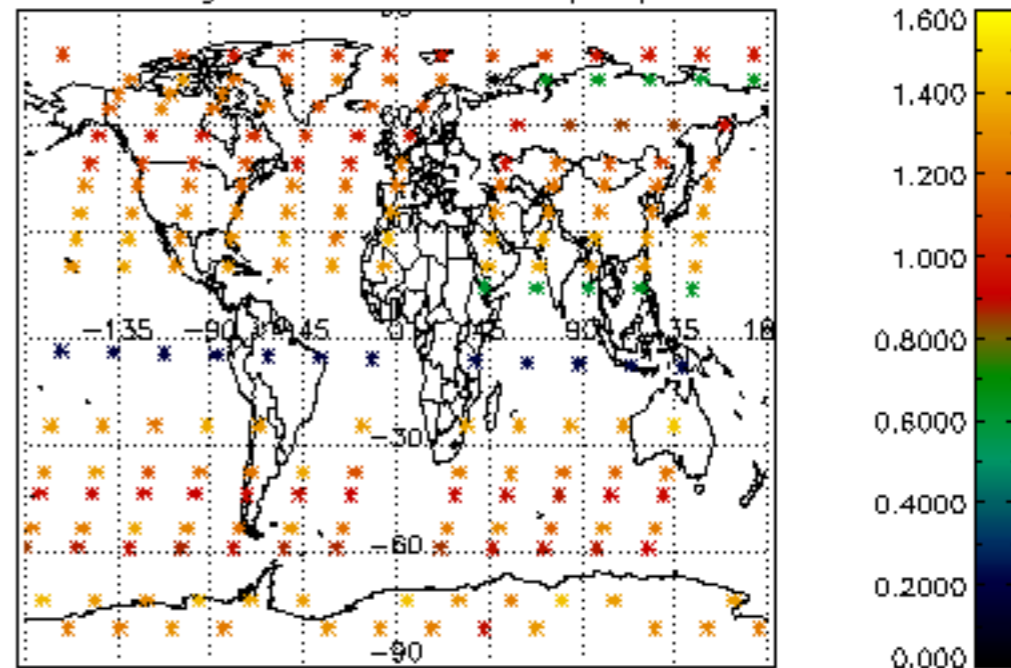
Percentage of saturation errors per profile



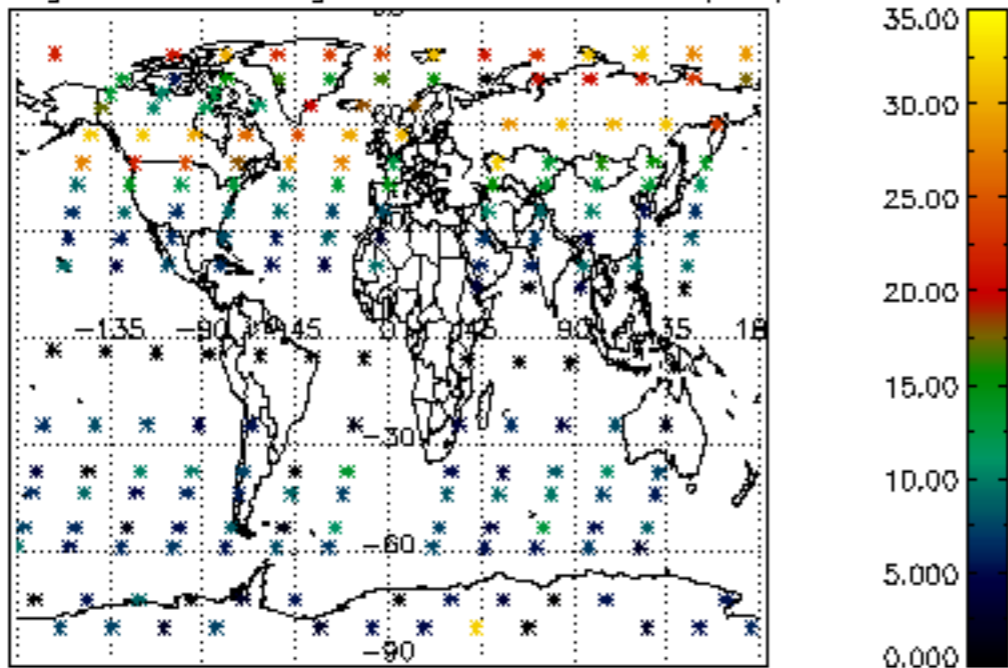
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

