

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 17:16:28
Data source version	GOMOS/6.01
Start time of products	14-01-2004 (14JAN2004 00:00:00)
Stop time of products	15-01-2004 (15JAN2004 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	437
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

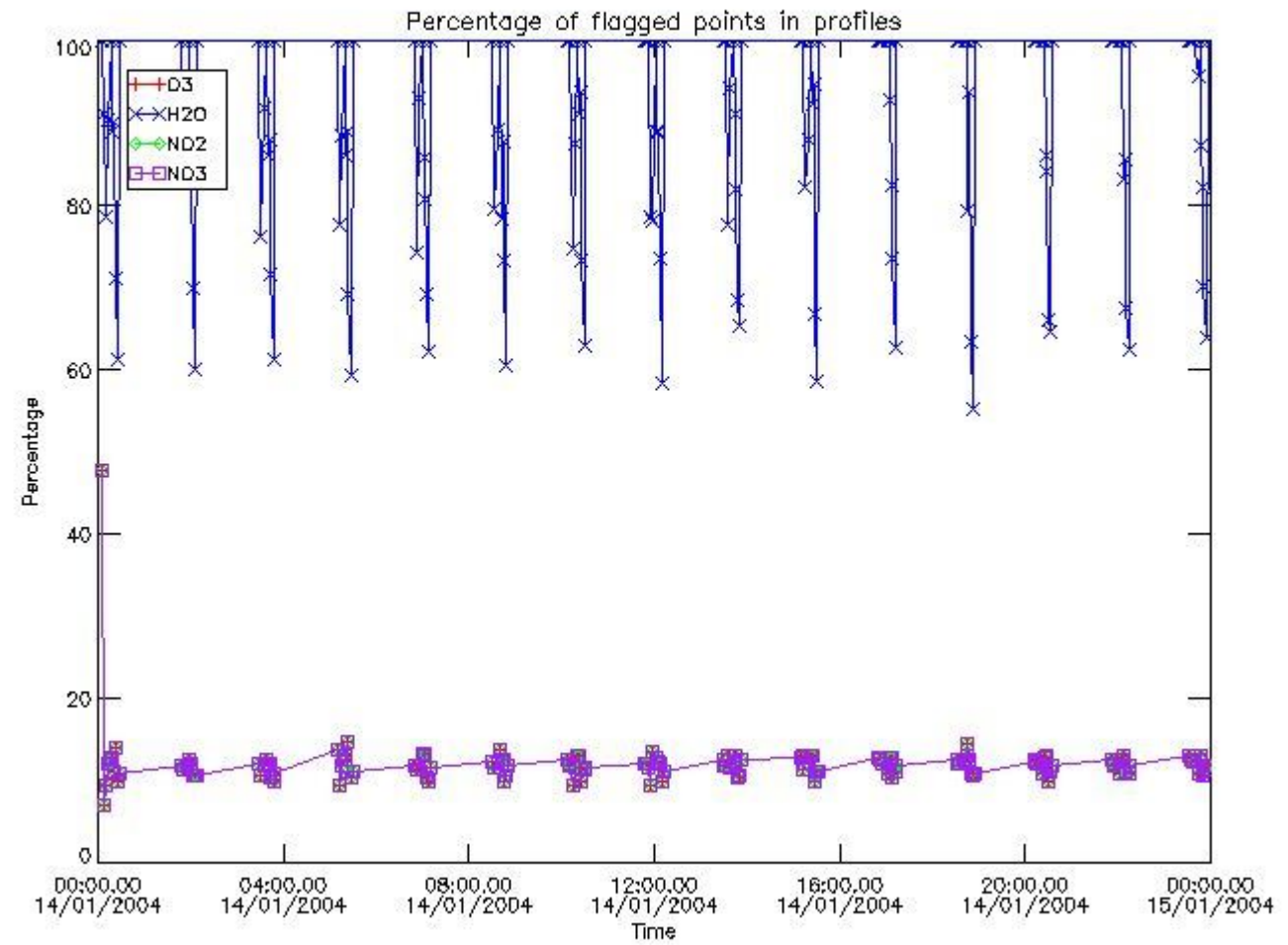
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20040114_000410_000000422023_00216_09789_0895.N1	14-JAN-2004 00:04:10	Dark	41.500	131	Gam Lup	2.8000	26000.	83	9789	No
2	GOM_NL__2PRFIN20040114_000639_000000962023_00216_09789_0896.N1	14-JAN-2004 00:06:39	Dark	96.000	15	67Alp Vir	0.97600	28000.	192	9789	No
3	GOM_NL__2PRFIN20040114_001002_000000542023_00217_09790_0896.N1	14-JAN-2004 00:10:02	Dark	54.000	4	Alp1Cen	-0.010000	5800.0	108	9790	No
4	GOM_NL__2PRFIN20040114_001329_000000422023_00217_09790_0897.N1	14-JAN-2004 00:13:29	Dark	42.000	20	Bet Cru	1.2530	30000.	84	9790	No
5	GOM_NL__2PRFIN20040114_001739_000000402023_00217_09790_0898.N1	14-JAN-2004 00:17:39	Dark	40.000	124	The Car	2.7640	30000.	80	9790	No
6	GOM_NL__2PRFIN20040114_001905_000000412023_00217_09790_0899.N1	14-JAN-2004 00:19:05	Dark	41.000	29	Bet Car	1.6720	10200.	82	9790	No
7	GOM_NL__2PRFIN20040114_002057_000000462023_00217_09790_0900.N1	14-JAN-2004 00:20:57	Dark	46.000	71	lot Car	2.2460	7700.0	92	9790	No
8	GOM_NL__2PRFIN20040114_002214_000000472023_00217_09790_0901.N1	14-JAN-2004 00:22:14	Dark	47.000	41	Eps Car	1.8600	4100.0	94	9790	No
9	GOM_NL__2PRFIN20040114_002554_000000522023_00217_09790_0902.N1	14-JAN-2004 00:25:54	Dark	52.000	2	Alp Car	-0.73600	7000.0	104	9790	No
10	GOM_NL__2PRFIN20040114_002743_000000472023_00217_09790_0903.N1	14-JAN-2004 00:27:43	Dark	46.500	70	Zet Pup	2.2460	39000.	93	9790	No
11	GOM_NL__2PRFIN20040114_002924_000000492023_00217_09790_0904.N1	14-JAN-2004 00:29:24	Straylight	49.000	117	Pi Pup	2.7060	3800.0	98	9790	No
12	GOM_NL__2PRFIN20040114_003159_000000492023_00217_09790_0905.N1	14-JAN-2004 00:31:59	Straylight	49.000	23	21Eps CMa	1.5020	26000.	98	9790	No
13	GOM_NL__2PRFIN20040114_003327_000000432023_00217_09790_0906.N1	14-JAN-2004 00:33:27	Straylight	42.500	179	24Omi2CMa	3.0320	24000.	85	9790	No
14	GOM_NL__2PRFIN20040114_003542_000000482023_00217_09790_0907.N1	14-JAN-2004 00:35:42	Straylight	48.000	1	9Alp CMa	-1.4400	11000.	96	9790	No
15	GOM_NL__2PRFIN20040114_003857_000000502023_00217_09790_0908.N1	14-JAN-2004 00:38:57	Straylight	49.500	7	19Bet Ori	0.10000	14000.	99	9790	No
16	GOM_NL__2PRFIN20040114_004038_000000432023_00217_09790_0909.N1	14-JAN-2004 00:40:38	Twilight	43.000	30	46Eps Ori	1.6940	30000.	86	9790	No
17	GOM_NL__2PRFIN20040114_004239_000000642023_00217_09790_0910.N1	14-JAN-2004 00:42:39	Twilight	64.000	8	10Alp CMi	0.40000	6500.0	128	9790	No
18	GOM_NL__2PRFIN20040114_004528_000000462023_00217_09790_0911.N1	14-JAN-2004 00:45:28	Bright	45.500	44	24Gam Gem	1.9280	11000.	91	9790	No
19	GOM_NL__2PRFIN20040114_004650_000000392023_00217_09790_0912.N1	14-JAN-2004 00:46:50	Bright	38.500	176	23Zet Tau	3.0200	22000.	77	9790	No
20	GOM_NL__2PRFIN20040114_004858_000000392023_00217_09790_0913.N1	14-JAN-2004 00:48:58	Bright	38.500	28	12Bet Tau	1.6500	15200.	77	9790	No
21	GOM_NL__2PRFIN20040114_014758_000000442023_00217_09790_0914.N1	14-JAN-2004 01:47:58	Dark	43.500	78	Alp Lup	2.3040	28000.	87	9790	No
22	GOM_NL__2PRFIN20040114_015036_000000452023_00218_09791_0897.N1	14-JAN-2004 01:50:36	Dark	45.000	4	Alp1Cen	-0.010000	5800.0	90	9791	No
23	GOM_NL__2PRFIN20040114_015405_000000432023_00218_09791_0898.N1	14-JAN-2004 01:54:05	Dark	43.000	20	Bet Cru	1.2530	30000.	86	9791	No
24	GOM_NL__2PRFIN20040114_015815_000000412023_00218_09791_0899.N1	14-JAN-2004 01:58:15	Dark	41.000	124	The Car	2.7640	30000.	82	9791	No
25	GOM_NL__2PRFIN20040114_015939_000000422023_00218_09791_0900.N1	14-JAN-2004 01:59:39	Dark	42.000	29	Bet Car	1.6720	10200.	84	9791	No
26	GOM_NL__2PRFIN20040114_020133_000000452023_00218_09791_0901.N1	14-JAN-2004 02:01:33	Dark	45.000	71	lot Car	2.2460	7700.0	90	9791	No
27	GOM_NL__2PRFIN20040114_020250_000000492023_00218_09791_0902.N1	14-JAN-2004 02:02:50	Dark	48.500	41	Eps Car	1.8600	4100.0	97	9791	No
28	GOM_NL__2PRFIN20040114_020632_000000482023_00218_09791_0903.N1	14-JAN-2004 02:06:32	Dark	48.000	2	Alp Car	-0.73600	7000.0	96	9791	No
29	GOM_NL__2PRFIN20040114_020817_000000482023_00218_09791_0904.N1	14-JAN-2004 02:08:17	Dark	48.000	70	Zet Pup	2.2460	39000.	96	9791	No
30	GOM_NL__2PRFIN20040114_021000_000000512023_00218_09791_0905.N1	14-JAN-2004 02:10:00	Straylight	51.000	117	Pi Pup	2.7060	3800.0	102	9791	No
31	GOM_NL__2PRFIN20040114_021237_000000472023_00218_09791_0906.N1	14-JAN-2004 02:12:37	Straylight	46.500	23	21Eps CMa	1.5020	26000.	93	9791	No
32	GOM_NL__2PRFIN20040114_021401_000000462023_00218_09791_0907.N1	14-JAN-2004 02:14:01	Straylight	45.500	179	24Omi2CMa	3.0320	24000.	91	9791	No
33	GOM_NL__2PRFIN20040114_021618_000000542023_00218_09791_0908.N1	14-JAN-2004 02:16:18	Straylight	54.000	1	9Alp CMa	-1.4400	11000.	108	9791	No
34	GOM_NL__2PRFIN20040114_021933_000000452023_00218_09791_0909.N1	14-JAN-2004 02:19:33	Straylight	45.000	7	19Bet Ori	0.10000	14000.	90	9791	No
35	GOM_NL__2PRFIN20040114_022112_000000452023_00218_09791_0910.N1	14-JAN-2004 02:21:12	Twilight	44.500	30	46Eps Ori	1.6940	30000.	89	9791	No
36	GOM_NL__2PRFIN20040114_022314_000000632023_00218_09791_0911.N1	14-JAN-2004 02:23:14	Twilight	62.500	8	10Alp CMi	0.40000	6500.0	125	9791	No
37	GOM_NL__2PRFIN20040114_022604_000000442023_00218_09791_0912.N1	14-JAN-2004 02:26:04	Bright	44.000	44	24Gam Gem	1.9280	11000.	88	9791	No
38	GOM_NL__2PRFIN20040114_022726_000000382023_00218_09791_0913.N1	14-JAN-2004 02:27:26	Bright	37.500	176	23Zet Tau	3.0200	22000.	75	9791	No
39	GOM_NL__2PRFIN20040114_022934_000000392023_00218_09791_0914.N1	14-JAN-2004 02:29:34	Bright	38.500	28	12Bet Tau	1.6500	15200.	77	9791	No
40	GOM_NL__2PRFIN20040114_032835_000000432023_00218_09791_0915.N1	14-JAN-2004 03:28:35	Dark	42.500	78	Alp Lup	2.3040	28000.	85	9791	No
41	GOM_NL__2PRFIN20040114_033115_000000492023_00219_09792_0918.N1	14-JAN-2004 03:31:15	Dark	48.500	4	Alp1Cen	-0.010000	5800.0	97	9792	No
42	GOM_NL__2PRFIN20040114_033442_000000432023_00219_09792_0919.N1	14-JAN-2004 03:34:42	Dark	43.000	20	Bet Cru	1.2530	30000.	86	9792	No

397	GOM_NL__2PRFIN20040114_220851_000000462023_00230_09803_0966.N1	14-JAN-2004 22:08:51	Dark	45.500	71	lot Car	2.2460	7700.0	91	9803	No
398	GOM_NL__2PRFIN20040114_221007_000000472023_00230_09803_0967.N1	14-JAN-2004 22:10:07	Dark	46.500	41	Eps Car	1.8600	4100.0	93	9803	No
399	GOM_NL__2PRFIN20040114_221346_000000472023_00230_09803_0968.N1	14-JAN-2004 22:13:46	Dark	47.000	2	Alp Car	-0.73600	7000.0	94	9803	No
400	GOM_NL__2PRFIN20040114_221536_000000432023_00230_09803_0969.N1	14-JAN-2004 22:15:36	Dark	43.000	70	Zet Pup	2.2460	39000.	86	9803	No
401	GOM_NL__2PRFIN20040114_221717_000000472023_00230_09803_0970.N1	14-JAN-2004 22:17:17	Straylight	47.000	117	Pi Pup	2.7060	3800.0	94	9803	No
402	GOM_NL__2PRFIN20040114_221951_000000462023_00230_09803_0971.N1	14-JAN-2004 22:19:51	Straylight	46.000	23	21Eps CMa	1.5020	26000.	92	9803	No
403	GOM_NL__2PRFIN20040114_222117_000000432023_00230_09803_0972.N1	14-JAN-2004 22:21:17	Straylight	43.000	179	24Omi2CMa	3.0320	24000.	86	9803	No
404	GOM_NL__2PRFIN20040114_222331_000000492023_00230_09803_0973.N1	14-JAN-2004 22:23:31	Straylight	49.000	1	9Alp CMa	-1.4400	11000.	98	9803	No
405	GOM_NL__2PRFIN20040114_222647_000000492023_00230_09803_0974.N1	14-JAN-2004 22:26:47	Straylight	49.000	7	19Bet Ori	0.10000	14000.	98	9803	No
406	GOM_NL__2PRFIN20040114_222812_000000442023_00230_09803_0975.N1	14-JAN-2004 22:28:12	Tw_i_and_stray	44.000	33	50Zet Ori	1.7660	30000.	88	9803	No
407	GOM_NL__2PRFIN20040114_223022_000000602023_00230_09803_0976.N1	14-JAN-2004 22:30:22	Tw_i_and_stray	59.500	8	10Alp CMi	0.40000	6500.0	119	9803	No
408	GOM_NL__2PRFIN20040114_223315_000000432023_00230_09803_0977.N1	14-JAN-2004 22:33:15	Bright	42.500	44	24Gam Gem	1.9280	11000.	85	9803	No
409	GOM_NL__2PRFIN20040114_223439_000000362023_00230_09803_0978.N1	14-JAN-2004 22:34:39	Bright	35.500	176	23Zet Tau	3.0200	22000.	71	9803	No
410	GOM_NL__2PRFIN20040114_223648_000000402023_00230_09803_0979.N1	14-JAN-2004 22:36:48	Bright	39.500	28	12Bet Tau	1.6500	15200.	79	9803	No
411	GOM_NL__2PRFIN20040114_223822_000000392023_00230_09803_0980.N1	14-JAN-2004 22:38:22	Bright	38.500	114	3lot Aur	2.6930	4600.0	77	9803	No
412	GOM_NL__2PRFIN20040114_224117_000000372023_00230_09803_0981.N1	14-JAN-2004 22:41:17	Bright	37.000	42	34Bet Aur	1.9000	10200.	74	9803	No
413	GOM_NL__2PRFIN20040114_224653_000001192023_00230_09803_0982.N1	14-JAN-2004 22:46:53	Bright	118.50	166	17Eps Leo	2.9800	6000.0	237	9803	No
414	GOM_NL__2PRFIN20040114_225350_000000382023_00230_09803_0983.N1	14-JAN-2004 22:53:50	Bright	37.500	49	1Alp UMi	1.9900	6300.0	75	9803	No
415	GOM_NL__2PRFIN20040114_225750_000000422023_00230_09803_0984.N1	14-JAN-2004 22:57:50	Bright	41.500	60	7Bet UMi	2.0810	3950.0	83	9803	No
416	GOM_NL__2PRFIN20040114_230018_000000542023_00230_09803_0985.N1	14-JAN-2004 23:00:18	Bright	54.000	32	77Eps UMa	1.7630	11000.	108	9803	No
417	GOM_NL__2PRFIN20040114_230207_000000352023_00230_09803_0986.N1	14-JAN-2004 23:02:07	Bright	35.000	119	14Eta Dra	2.7270	4700.0	70	9803	No
418	GOM_NL__2PRFIN20040114_230440_000000382023_00230_09803_0987.N1	14-JAN-2004 23:04:40	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	9803	No
419	GOM_NL__2PRFIN20040114_230745_000000392023_00230_09803_0988.N1	14-JAN-2004 23:07:45	Bright	39.000	5	3Alp Lyr	0.033000	11000.	78	9803	No
420	GOM_NL__2PRFIN20040114_231056_000000382023_00230_09803_0989.N1	14-JAN-2004 23:10:56	Bright	38.000	133	40Zet Her	2.8070	6000.0	76	9803	No
421	GOM_NL__2PRFIN20040114_231346_000000582023_00230_09803_0990.N1	14-JAN-2004 23:13:46	Bright	57.500	83		2.3780	11000.	115	9803	No
422	GOM_NL__2PRFIN20040114_231544_000000362023_00230_09803_0991.N1	14-JAN-2004 23:15:44	Bright	36.000	59	55Alp Oph	2.0800	8900.0	72	9803	No
423	GOM_NL__2PRFIN20040114_231948_000000912023_00230_09803_0992.N1	14-JAN-2004 23:19:48	Tw_i_and_stray	90.500	111	8Eta Boo	2.6800	6000.0	181	9803	No
424	GOM_NL__2PRFIN20040114_232259_000000372023_00230_09803_0993.N1	14-JAN-2004 23:22:59	Bright	37.000	98	13Zet Oph	2.5710	30000.	74	9803	No
425	GOM_NL__2PRFIN20040114_232512_000000502023_00230_09803_0994.N1	14-JAN-2004 23:25:12	Tw_i_and_stray	50.000	104	27Bet Lib	2.6140	13100.	100	9803	No
426	GOM_NL__2PRFIN20040114_232727_000000532023_00230_09803_0995.N1	14-JAN-2004 23:27:27	Tw_i_and_stray	53.000	16	21Alp Sco	1.0200	3000.0	106	9803	No
427	GOM_NL__2PRFIN20040114_233240_000000402023_00230_09803_0996.N1	14-JAN-2004 23:32:40	Dark	39.500	131	Gam Lup	2.8000	26000.	79	9803	No
428	GOM_NL__2PRFIN20040114_233423_000000412023_00230_09803_0997.N1	14-JAN-2004 23:34:23	Dark	41.000	109	Bet Lup	2.6770	26000.	82	9803	No
429	GOM_NL__2PRFIN20040114_233553_000000422023_00230_09803_0998.N1	14-JAN-2004 23:35:53	Dark	41.500	78	Alp Lup	2.3040	28000.	83	9803	No
430	GOM_NL__2PRFIN20040114_234341_000000472023_00231_09804_0957.N1	14-JAN-2004 23:43:41	Dark	46.500	99	Del Cen	2.5750	26000.	93	9804	No
431	GOM_NL__2PRFIN20040114_234608_000000412023_00231_09804_0958.N1	14-JAN-2004 23:46:08	Dark	40.500	124	The Car	2.7640	30000.	81	9804	No
432	GOM_NL__2PRFIN20040114_234733_000000402023_00231_09804_0959.N1	14-JAN-2004 23:47:33	Dark	39.500	29	Bet Car	1.6720	10200.	79	9804	No
433	GOM_NL__2PRFIN20040114_234926_000000482023_00231_09804_0960.N1	14-JAN-2004 23:49:26	Dark	48.000	71	lot Car	2.2460	7700.0	96	9804	No
434	GOM_NL__2PRFIN20040114_235043_000000462023_00231_09804_0961.N1	14-JAN-2004 23:50:43	Dark	45.500	41	Eps Car	1.8600	4100.0	91	9804	No
435	GOM_NL__2PRFIN20040114_235419_000000492023_00231_09804_0962.N1	14-JAN-2004 23:54:19	Dark	49.000	2	Alp Car	-0.73600	7000.0	98	9804	No
436	GOM_NL__2PRFIN20040114_235611_000000432023_00231_09804_0963.N1	14-JAN-2004 23:56:11	Dark	43.000	70	Zet Pup	2.2460	39000.	86	9804	No
437	GOM_NL__2PRFIN20040114_235752_000000482023_00231_09804_0964.N1	14-JAN-2004 23:57:52	Straylight	47.500	117	Pi Pup	2.7060	3800.0	95	9804	No

3. Quality information per product

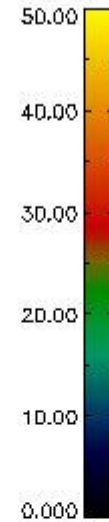
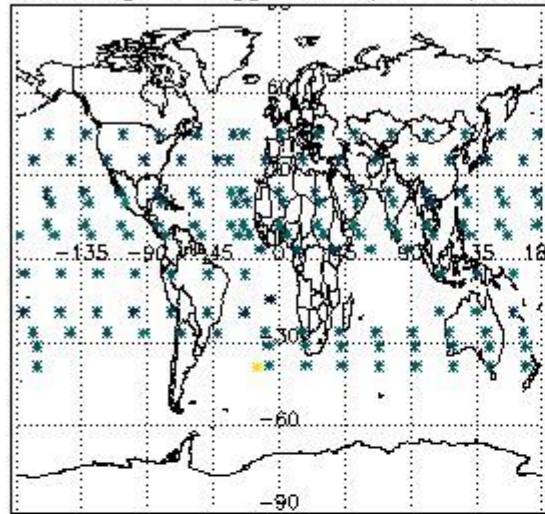
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

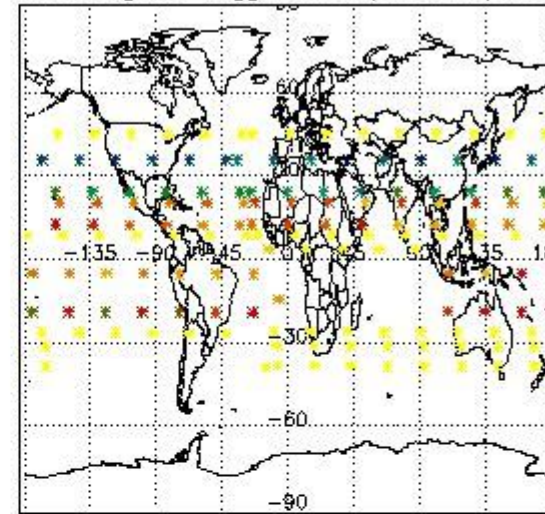


3.2 Plot quality information per product (world map)

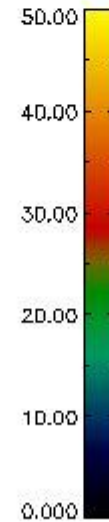
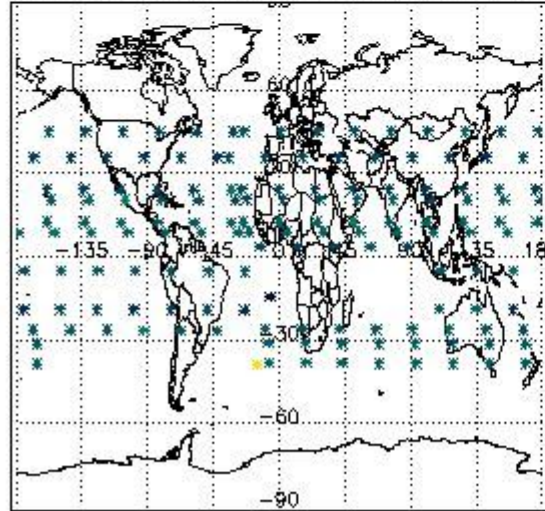
Percentage of flagged data per O3 profile



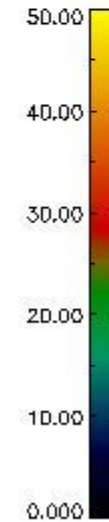
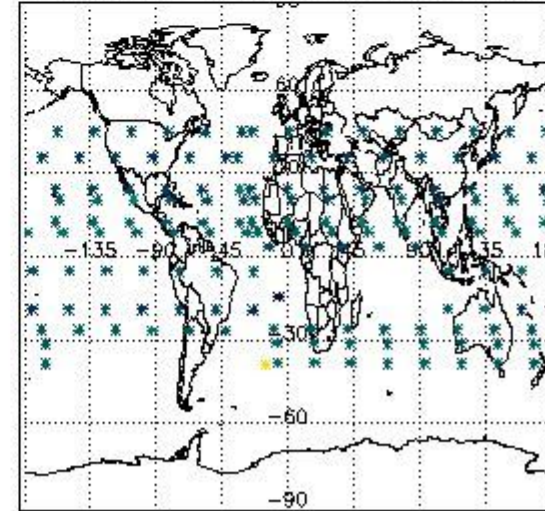
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

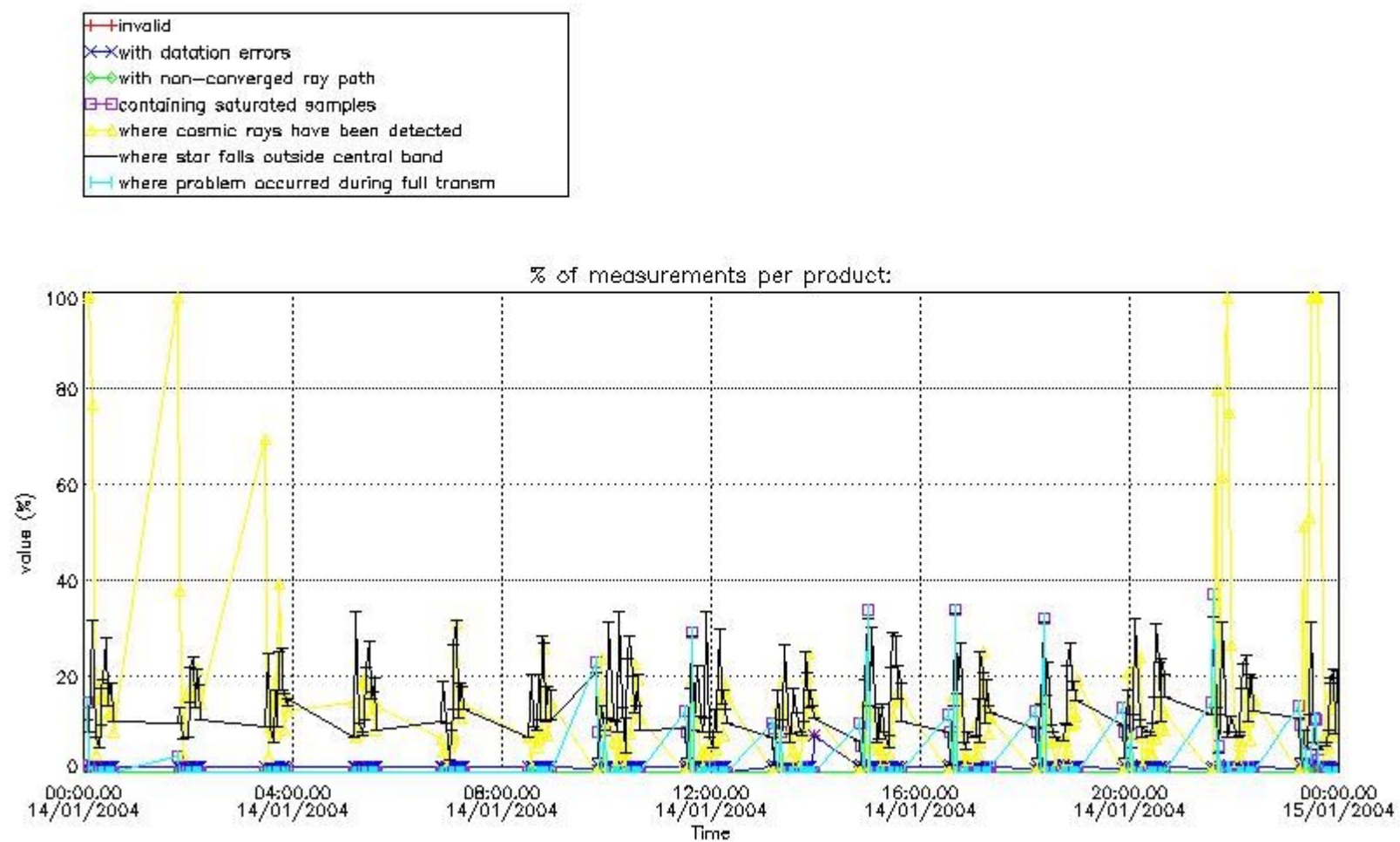


4. Level 1 quality information per product

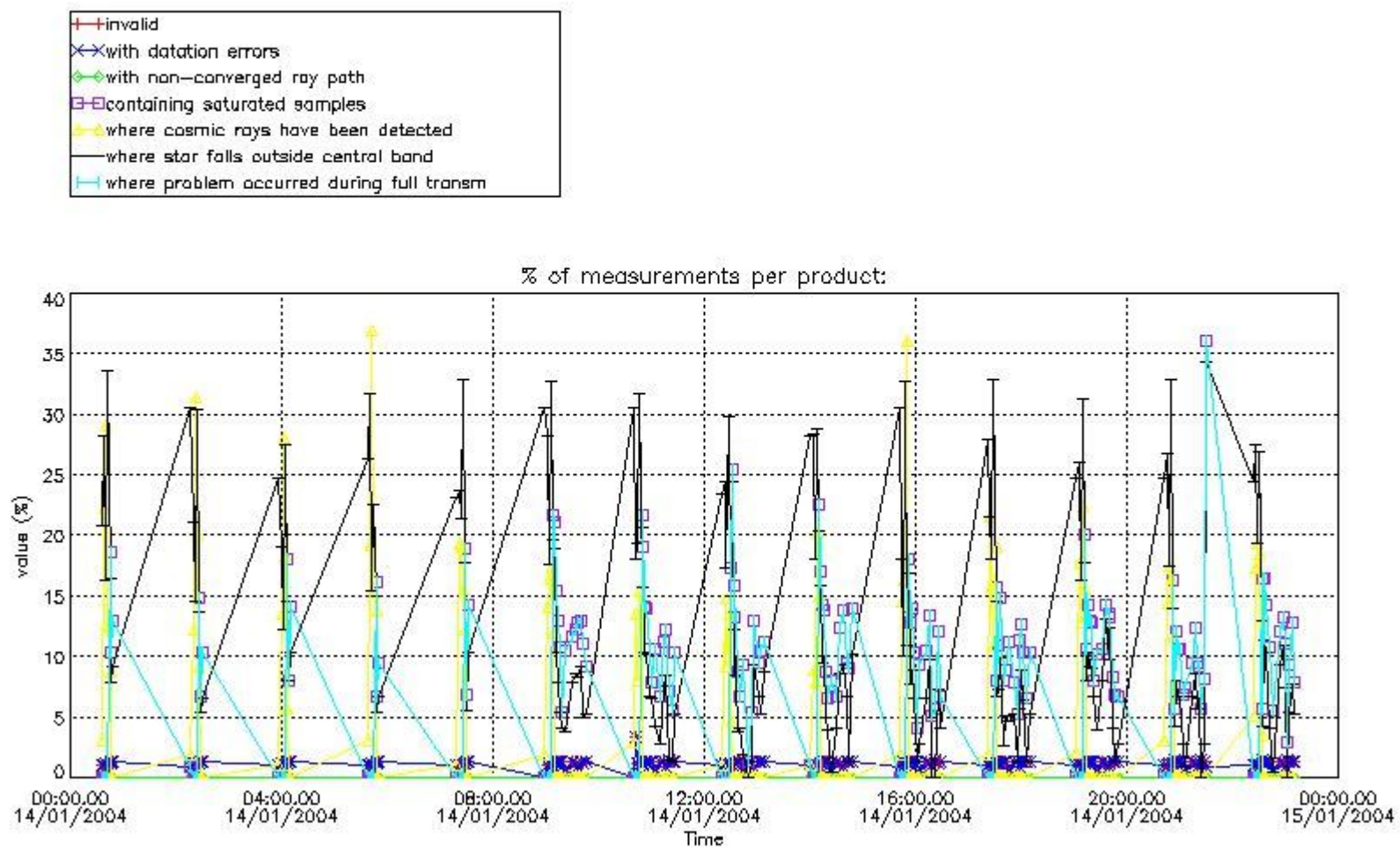
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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

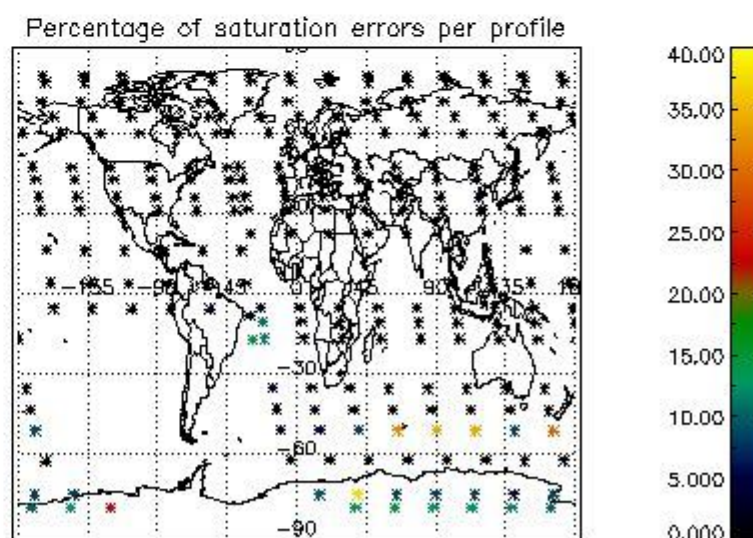
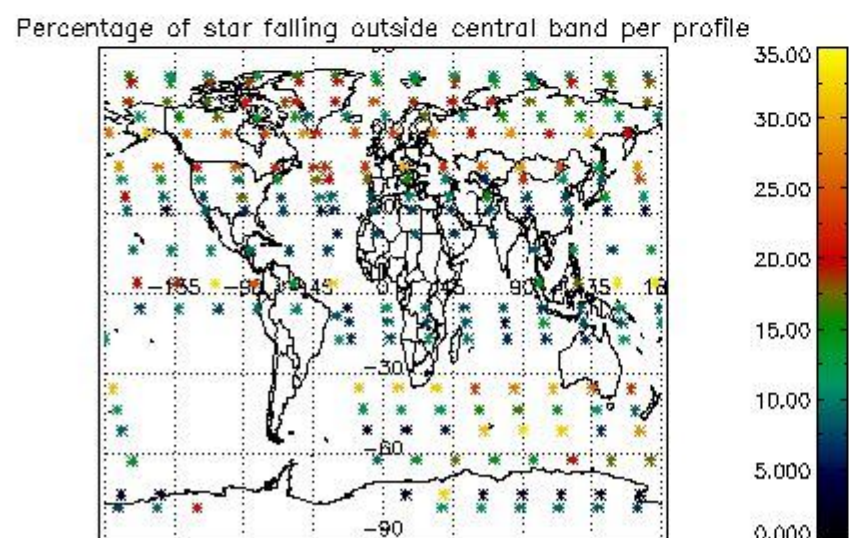
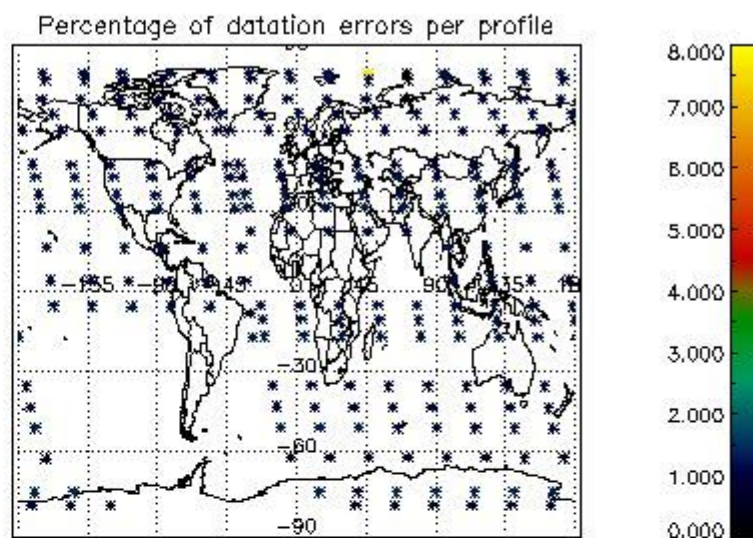
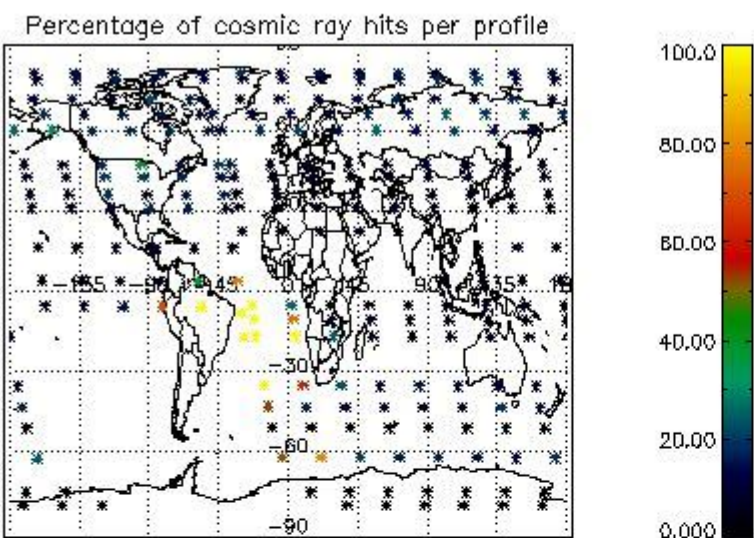


4.1.2 Plot level 1 quality information per product (time dependant): ENVISAT DESCENDING passes

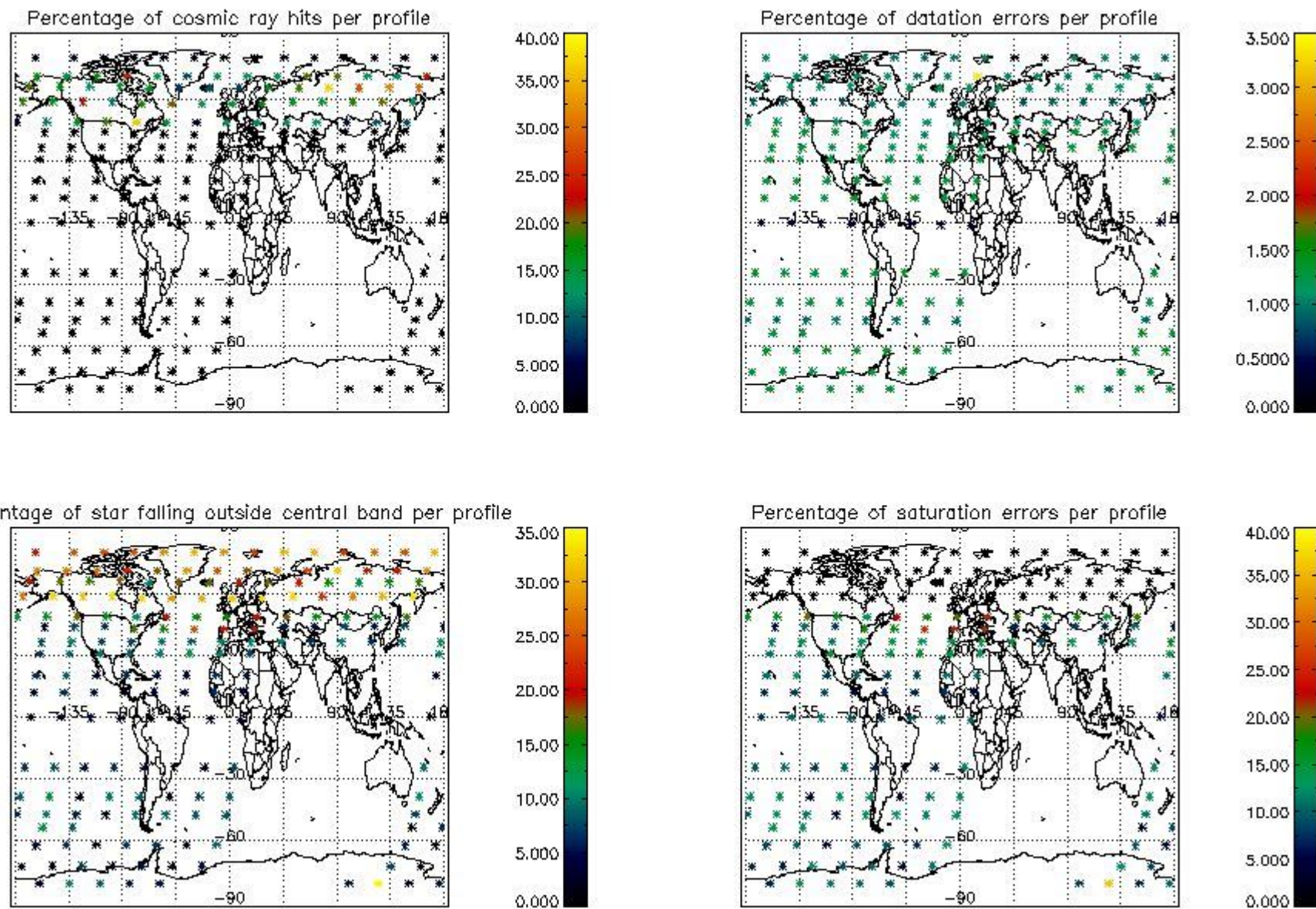


4.2 Plot quality information per product coming from level 1b processing (world map)

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



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



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

The final quality of the products can be "measured" using the STD (Standard Deviation) attached to every point profile. This information is written to the parameter GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/o3_std of the level 2 products. The table below shows the statistics for given STD ranges.

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

- Products without fatal errors: GOM_NL__2P/MPH/PRODUCT_ERR=0
- Valid point profile: GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/pcd(0)=0

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

- Products in dark limb illumination condition: GOM_NL__2P/NL_SUMMARY_QUALITY/obs_ill_cond=0
- Products without fatal errors: GOM_NL__2P/MPH/PRODUCT_ERR=0
- Valid point profile: GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/pcd(0)=0

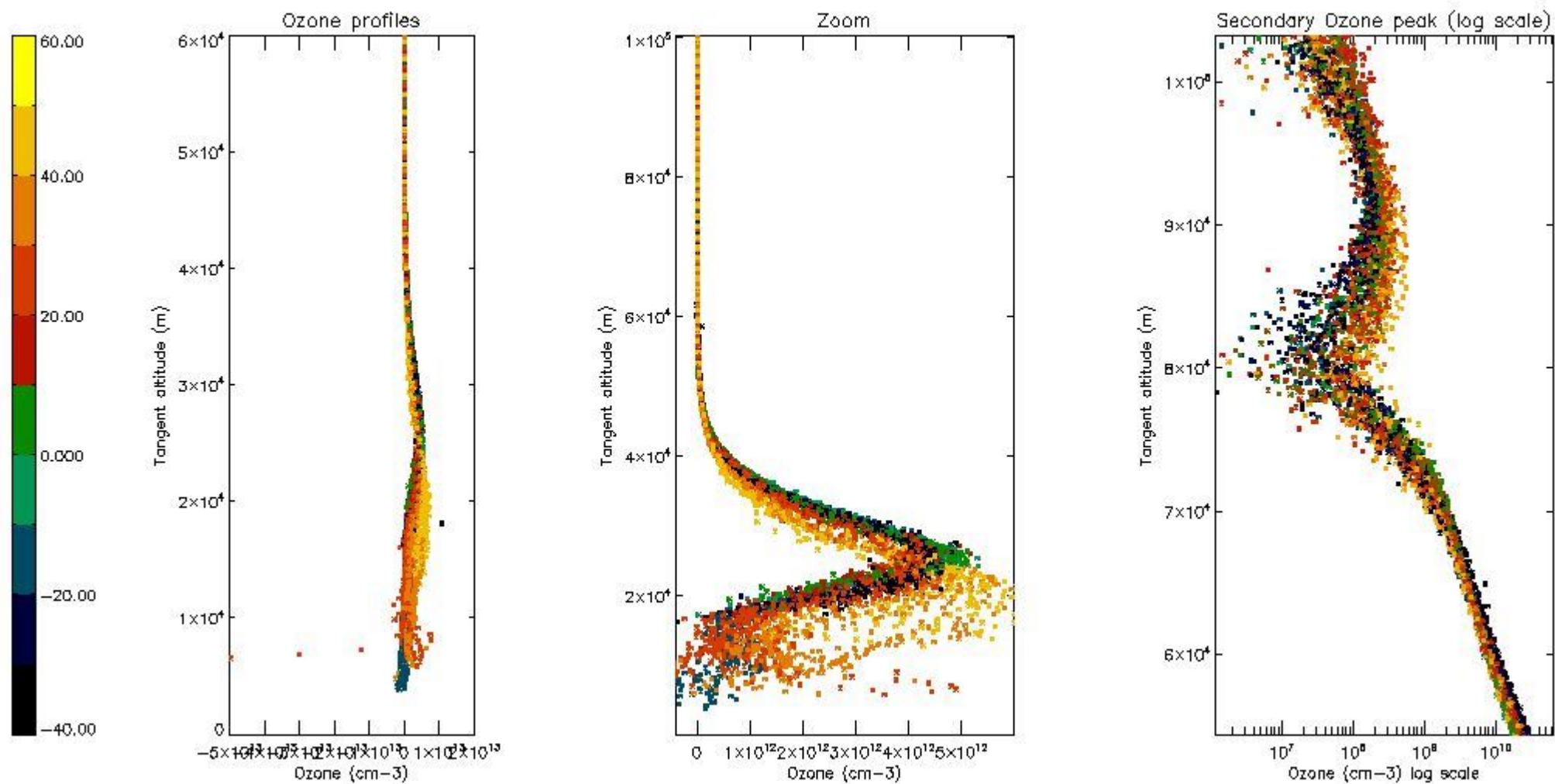
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	32
STD < 20	21

STD < 10	18
STD < 5	13

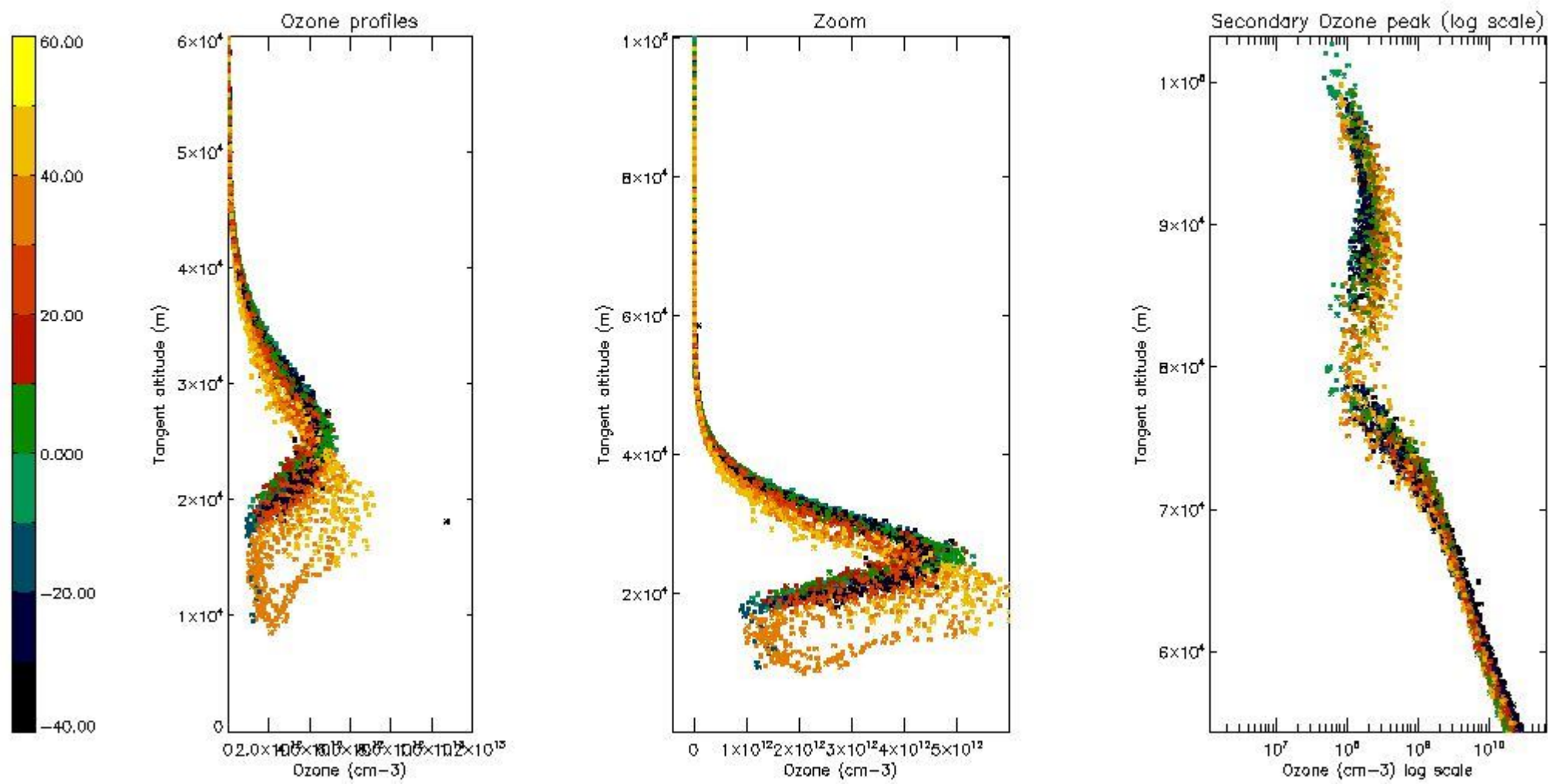
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



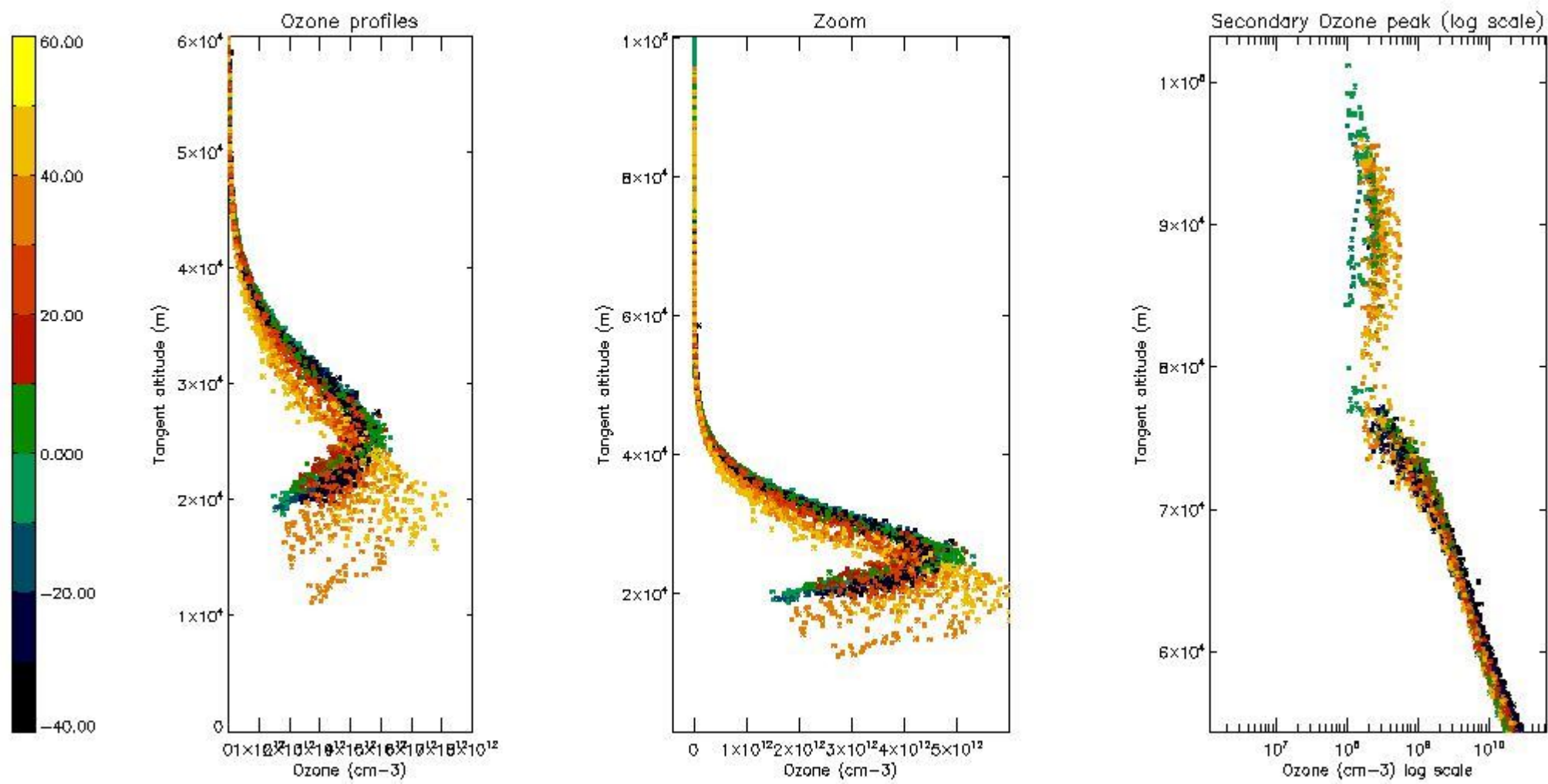
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



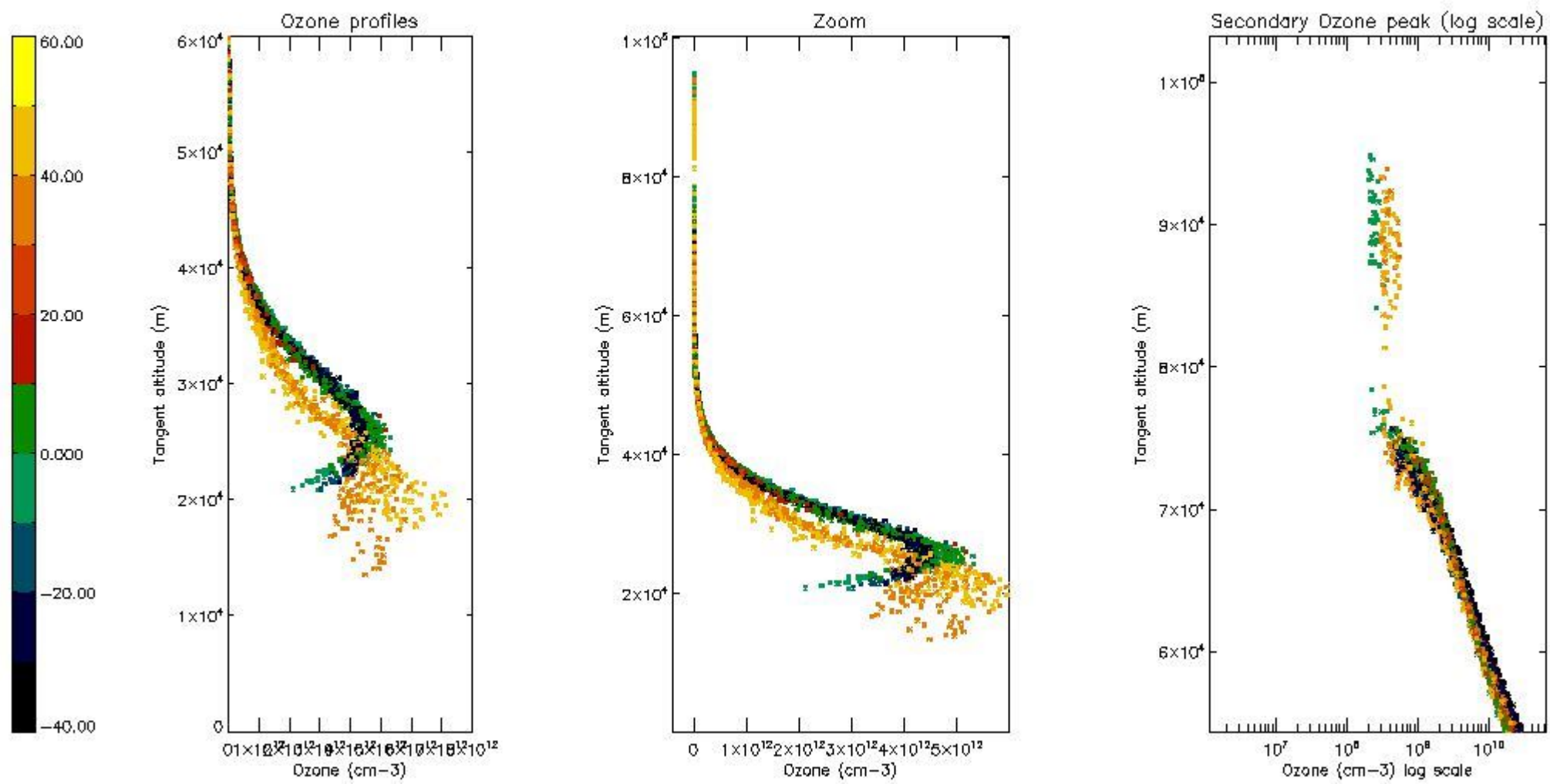
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



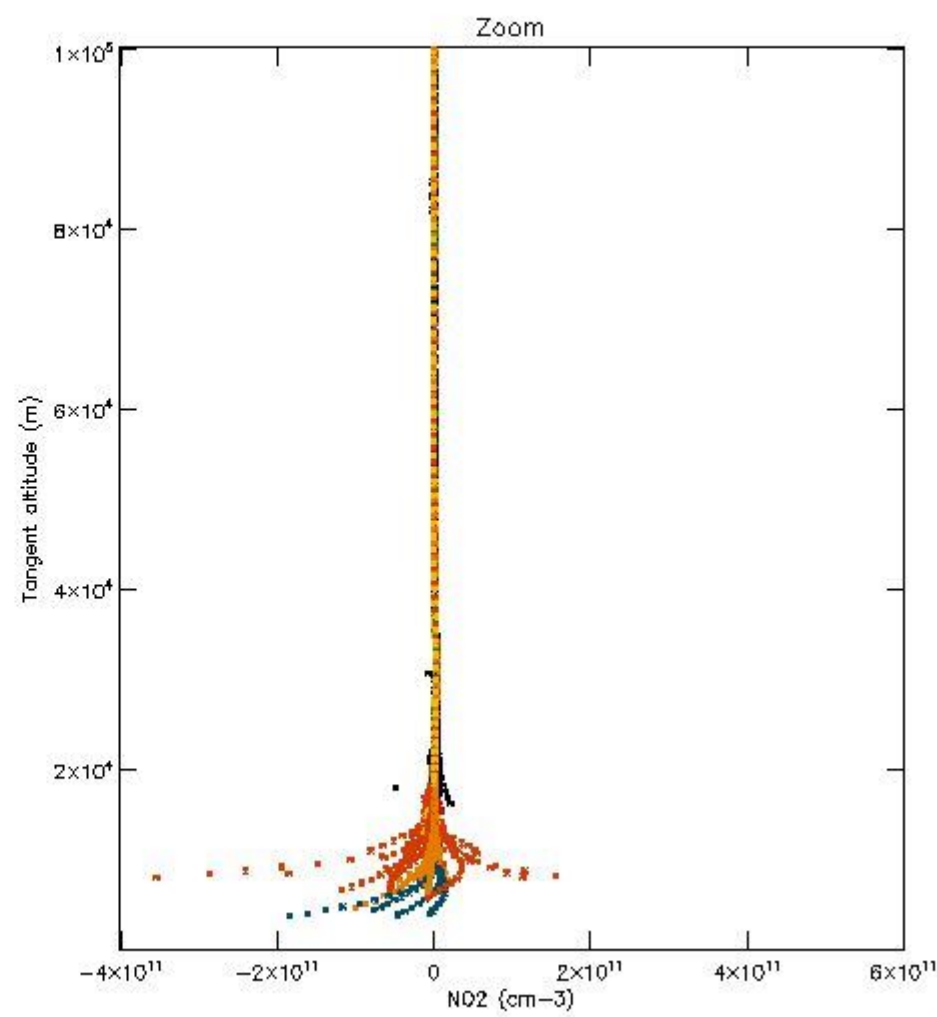
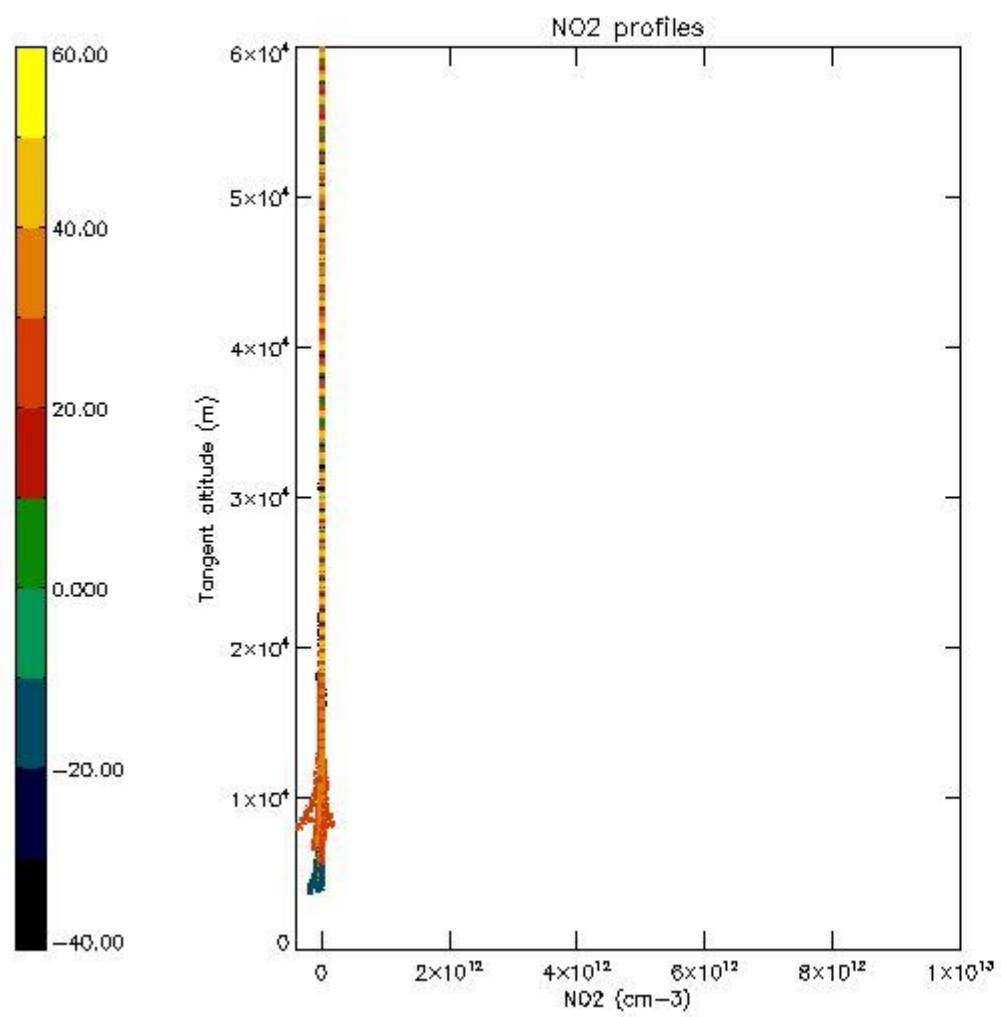
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



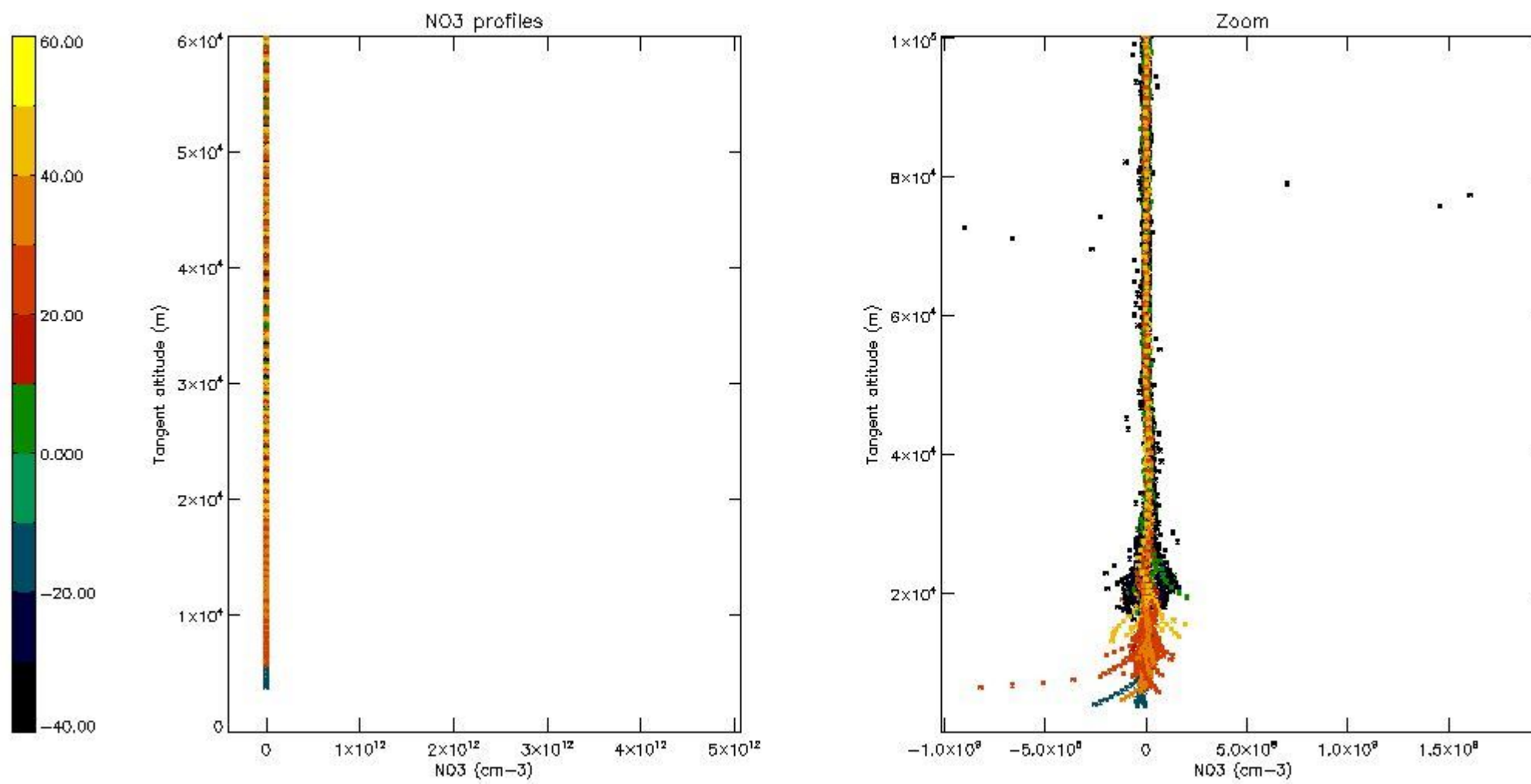
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



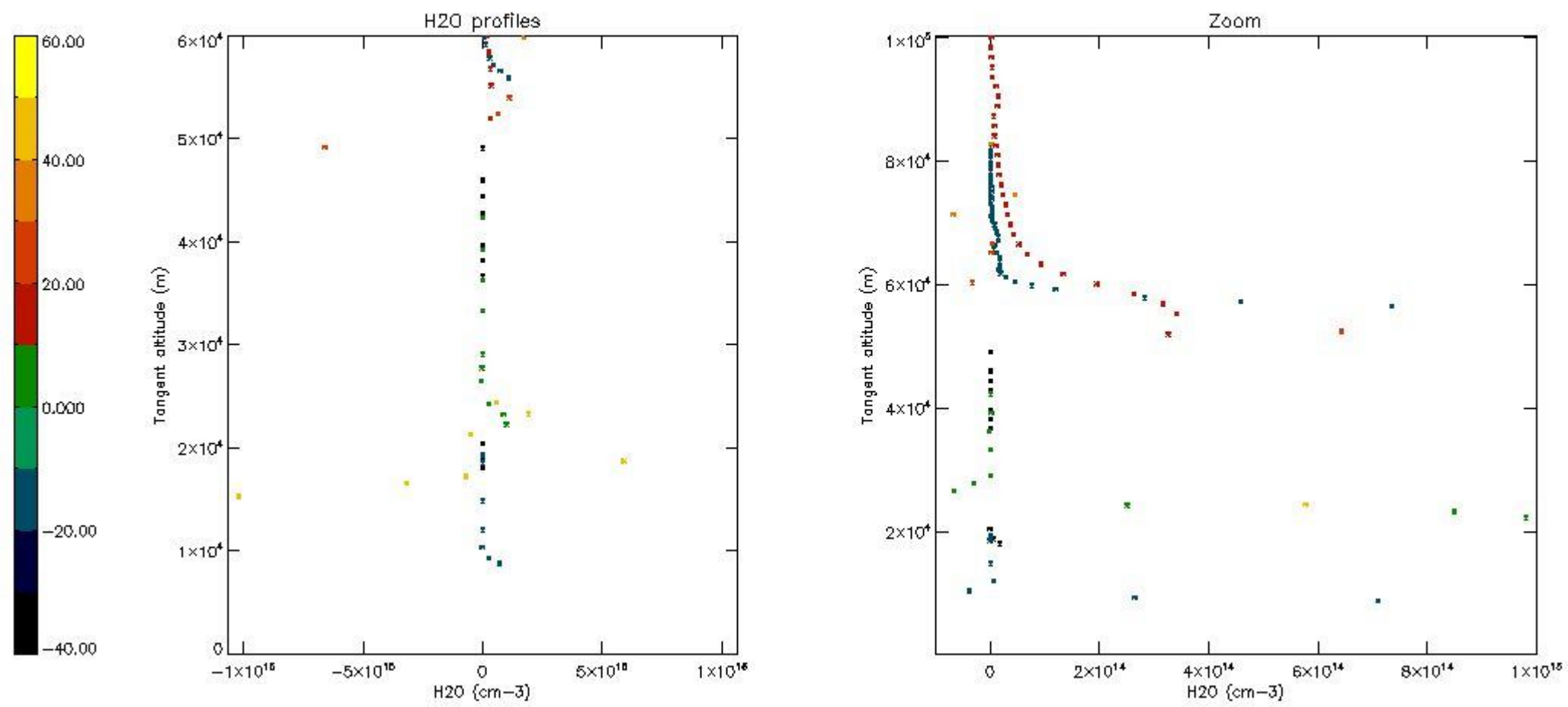
5.7 Plot NO3 profiles for all STD (dark without errors)

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	14-JAN-2004 00:04:10
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	14-JAN-2004 00:04:10
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	14-JAN-2004 00:04:10

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](#)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Item	Value
Time of report generation	18APR2013 17:16:28
Data source version	GOMOS/6.01
Start time of products	14-01-2004 (14JAN2004 00:00:00)
Stop time of products	15-01-2004 (15JAN2004 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	437
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

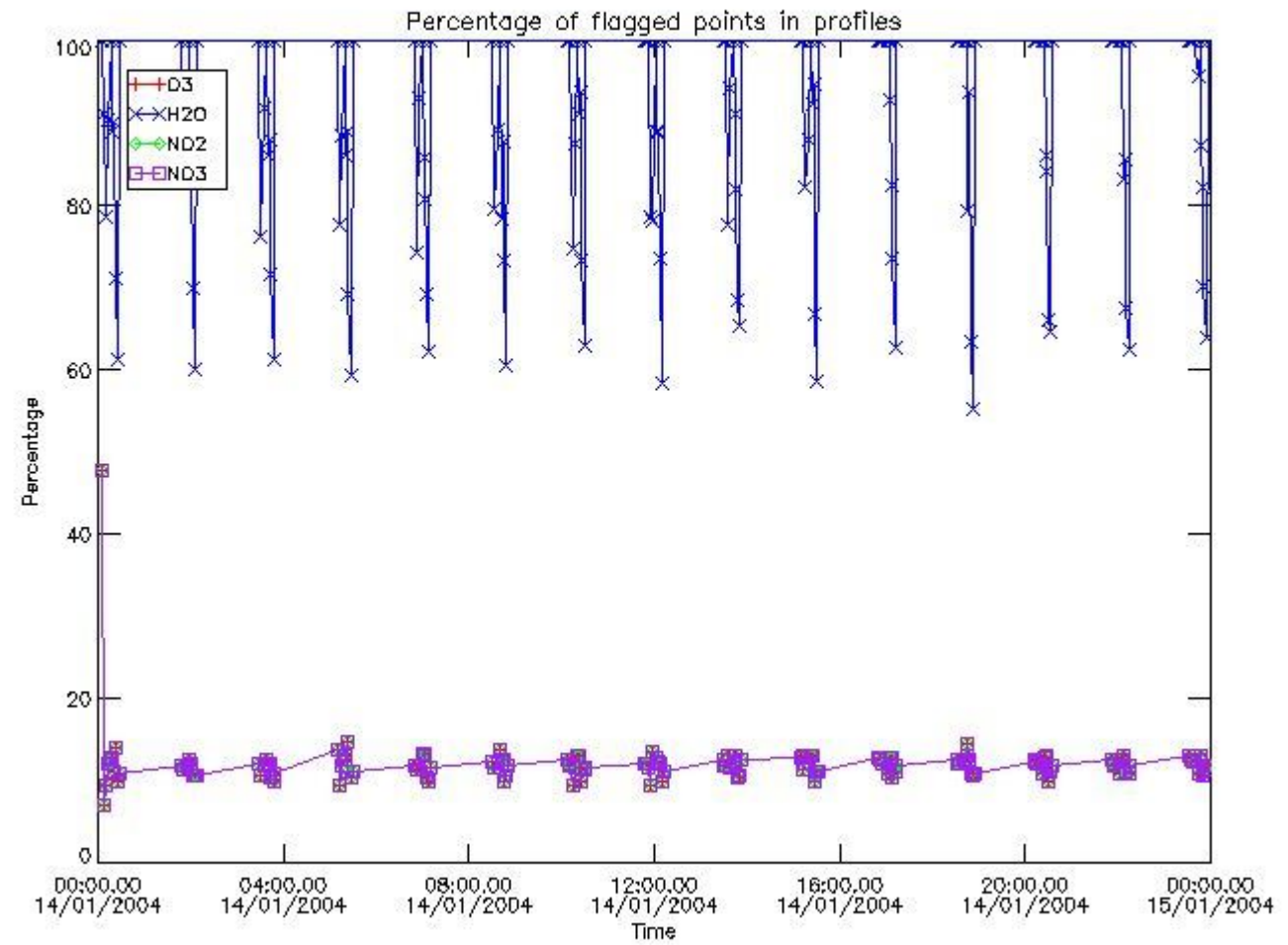
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20040114_000410_000000422023_00216_09789_0895.N1	14-JAN-2004 00:04:10	Dark	41.500	131	Gam Lup	2.8000	26000.	83	9789	No
2	GOM_NL__2PRFIN20040114_000639_000000962023_00216_09789_0896.N1	14-JAN-2004 00:06:39	Dark	96.000	15	67Alp Vir	0.97600	28000.	192	9789	No
3	GOM_NL__2PRFIN20040114_001002_000000542023_00217_09790_0896.N1	14-JAN-2004 00:10:02	Dark	54.000	4	Alp1Cen	-0.010000	5800.0	108	9790	No
4	GOM_NL__2PRFIN20040114_001329_000000422023_00217_09790_0897.N1	14-JAN-2004 00:13:29	Dark	42.000	20	Bet Cru	1.2530	30000.	84	9790	No
5	GOM_NL__2PRFIN20040114_001739_000000402023_00217_09790_0898.N1	14-JAN-2004 00:17:39	Dark	40.000	124	The Car	2.7640	30000.	80	9790	No
6	GOM_NL__2PRFIN20040114_001905_000000412023_00217_09790_0899.N1	14-JAN-2004 00:19:05	Dark	41.000	29	Bet Car	1.6720	10200.	82	9790	No
7	GOM_NL__2PRFIN20040114_002057_000000462023_00217_09790_0900.N1	14-JAN-2004 00:20:57	Dark	46.000	71	lot Car	2.2460	7700.0	92	9790	No
8	GOM_NL__2PRFIN20040114_002214_000000472023_00217_09790_0901.N1	14-JAN-2004 00:22:14	Dark	47.000	41	Eps Car	1.8600	4100.0	94	9790	No
9	GOM_NL__2PRFIN20040114_002554_000000522023_00217_09790_0902.N1	14-JAN-2004 00:25:54	Dark	52.000	2	Alp Car	-0.73600	7000.0	104	9790	No
10	GOM_NL__2PRFIN20040114_002743_000000472023_00217_09790_0903.N1	14-JAN-2004 00:27:43	Dark	46.500	70	Zet Pup	2.2460	39000.	93	9790	No
11	GOM_NL__2PRFIN20040114_002924_000000492023_00217_09790_0904.N1	14-JAN-2004 00:29:24	Straylight	49.000	117	Pi Pup	2.7060	3800.0	98	9790	No
12	GOM_NL__2PRFIN20040114_003159_000000492023_00217_09790_0905.N1	14-JAN-2004 00:31:59	Straylight	49.000	23	21Eps CMa	1.5020	26000.	98	9790	No
13	GOM_NL__2PRFIN20040114_003327_000000432023_00217_09790_0906.N1	14-JAN-2004 00:33:27	Straylight	42.500	179	24Omi2CMa	3.0320	24000.	85	9790	No
14	GOM_NL__2PRFIN20040114_003542_000000482023_00217_09790_0907.N1	14-JAN-2004 00:35:42	Straylight	48.000	1	9Alp CMa	-1.4400	11000.	96	9790	No
15	GOM_NL__2PRFIN20040114_003857_000000502023_00217_09790_0908.N1	14-JAN-2004 00:38:57	Straylight	49.500	7	19Bet Ori	0.10000	14000.	99	9790	No
16	GOM_NL__2PRFIN20040114_004038_000000432023_00217_09790_0909.N1	14-JAN-2004 00:40:38	Twilight	43.000	30	46Eps Ori	1.6940	30000.	86	9790	No
17	GOM_NL__2PRFIN20040114_004239_000000642023_00217_09790_0910.N1	14-JAN-2004 00:42:39	Twilight	64.000	8	10Alp CMi	0.40000	6500.0	128	9790	No
18	GOM_NL__2PRFIN20040114_004528_000000462023_00217_09790_0911.N1	14-JAN-2004 00:45:28	Bright	45.500	44	24Gam Gem	1.9280	11000.	91	9790	No
19	GOM_NL__2PRFIN20040114_004650_000000392023_00217_09790_0912.N1	14-JAN-2004 00:46:50	Bright	38.500	176	23Zet Tau	3.0200	22000.	77	9790	No
20	GOM_NL__2PRFIN20040114_004858_000000392023_00217_09790_0913.N1	14-JAN-2004 00:48:58	Bright	38.500	28	12Bet Tau	1.6500	15200.	77	9790	No
21	GOM_NL__2PRFIN20040114_014758_000000442023_00217_09790_0914.N1	14-JAN-2004 01:47:58	Dark	43.500	78	Alp Lup	2.3040	28000.	87	9790	No
22	GOM_NL__2PRFIN20040114_015036_000000452023_00218_09791_0897.N1	14-JAN-2004 01:50:36	Dark	45.000	4	Alp1Cen	-0.010000	5800.0	90	9791	No
23	GOM_NL__2PRFIN20040114_015405_000000432023_00218_09791_0898.N1	14-JAN-2004 01:54:05	Dark	43.000	20	Bet Cru	1.2530	30000.	86	9791	No
24	GOM_NL__2PRFIN20040114_015815_000000412023_00218_09791_0899.N1	14-JAN-2004 01:58:15	Dark	41.000	124	The Car	2.7640	30000.	82	9791	No
25	GOM_NL__2PRFIN20040114_015939_000000422023_00218_09791_0900.N1	14-JAN-2004 01:59:39	Dark	42.000	29	Bet Car	1.6720	10200.	84	9791	No
26	GOM_NL__2PRFIN20040114_020133_000000452023_00218_09791_0901.N1	14-JAN-2004 02:01:33	Dark	45.000	71	lot Car	2.2460	7700.0	90	9791	No
27	GOM_NL__2PRFIN20040114_020250_000000492023_00218_09791_0902.N1	14-JAN-2004 02:02:50	Dark	48.500	41	Eps Car	1.8600	4100.0	97	9791	No
28	GOM_NL__2PRFIN20040114_020632_000000482023_00218_09791_0903.N1	14-JAN-2004 02:06:32	Dark	48.000	2	Alp Car	-0.73600	7000.0	96	9791	No
29	GOM_NL__2PRFIN20040114_020817_000000482023_00218_09791_0904.N1	14-JAN-2004 02:08:17	Dark	48.000	70	Zet Pup	2.2460	39000.	96	9791	No
30	GOM_NL__2PRFIN20040114_021000_000000512023_00218_09791_0905.N1	14-JAN-2004 02:10:00	Straylight	51.000	117	Pi Pup	2.7060	3800.0	102	9791	No
31	GOM_NL__2PRFIN20040114_021237_000000472023_00218_09791_0906.N1	14-JAN-2004 02:12:37	Straylight	46.500	23	21Eps CMa	1.5020	26000.	93	9791	No
32	GOM_NL__2PRFIN20040114_021401_000000462023_00218_09791_0907.N1	14-JAN-2004 02:14:01	Straylight	45.500	179	24Omi2CMa	3.0320	24000.	91	9791	No
33	GOM_NL__2PRFIN20040114_021618_000000542023_00218_09791_0908.N1	14-JAN-2004 02:16:18	Straylight	54.000	1	9Alp CMa	-1.4400	11000.	108	9791	No
34	GOM_NL__2PRFIN20040114_021933_000000452023_00218_09791_0909.N1	14-JAN-2004 02:19:33	Straylight	45.000	7	19Bet Ori	0.10000	14000.	90	9791	No
35	GOM_NL__2PRFIN20040114_022112_000000452023_00218_09791_0910.N1	14-JAN-2004 02:21:12	Twilight	44.500	30	46Eps Ori	1.6940	30000.	89	9791	No
36	GOM_NL__2PRFIN20040114_022314_000000632023_00218_09791_0911.N1	14-JAN-2004 02:23:14	Twilight	62.500	8	10Alp CMi	0.40000	6500.0	125	9791	No
37	GOM_NL__2PRFIN20040114_022604_000000442023_00218_09791_0912.N1	14-JAN-2004 02:26:04	Bright	44.000	44	24Gam Gem	1.9280	11000.	88	9791	No
38	GOM_NL__2PRFIN20040114_022726_000000382023_00218_09791_0913.N1	14-JAN-2004 02:27:26	Bright	37.500	176	23Zet Tau	3.0200	22000.	75	9791	No
39	GOM_NL__2PRFIN20040114_022934_000000392023_00218_09791_0914.N1	14-JAN-2004 02:29:34	Bright	38.500	28	12Bet Tau	1.6500	15200.	77	9791	No
40	GOM_NL__2PRFIN20040114_032835_000000432023_00218_09791_0915.N1	14-JAN-2004 03:28:35	Dark	42.500	78	Alp Lup	2.3040	28000.	85	9791	No
41	GOM_NL__2PRFIN20040114_033115_000000492023_00219_09792_0918.N1	14-JAN-2004 03:31:15	Dark	48.500	4	Alp1Cen	-0.010000	5800.0	97	9792	No
42	GOM_NL__2PRFIN20040114_033442_000000432023_00219_09792_0919.N1	14-JAN-2004 03:34:42	Dark	43.000	20	Bet Cru	1.2530	30000.	86	9792	No

397	GOM_NL_2PRFIN20040114_220851_000000462023_00230_09803_0966.N1	14-JAN-2004 22:08:51	Dark	45.500	71	lot Car	2.2460	7700.0	91	9803	No
398	GOM_NL_2PRFIN20040114_221007_000000472023_00230_09803_0967.N1	14-JAN-2004 22:10:07	Dark	46.500	41	Eps Car	1.8600	4100.0	93	9803	No
399	GOM_NL_2PRFIN20040114_221346_000000472023_00230_09803_0968.N1	14-JAN-2004 22:13:46	Dark	47.000	2	Alp Car	-0.73600	7000.0	94	9803	No
400	GOM_NL_2PRFIN20040114_221536_000000432023_00230_09803_0969.N1	14-JAN-2004 22:15:36	Dark	43.000	70	Zet Pup	2.2460	39000.	86	9803	No
401	GOM_NL_2PRFIN20040114_221717_000000472023_00230_09803_0970.N1	14-JAN-2004 22:17:17	Straylight	47.000	117	Pi Pup	2.7060	3800.0	94	9803	No
402	GOM_NL_2PRFIN20040114_221951_000000462023_00230_09803_0971.N1	14-JAN-2004 22:19:51	Straylight	46.000	23	21Eps CMa	1.5020	26000.	92	9803	No
403	GOM_NL_2PRFIN20040114_222117_000000432023_00230_09803_0972.N1	14-JAN-2004 22:21:17	Straylight	43.000	179	24Omi2CMa	3.0320	24000.	86	9803	No
404	GOM_NL_2PRFIN20040114_222331_000000492023_00230_09803_0973.N1	14-JAN-2004 22:23:31	Straylight	49.000	1	9Alp CMa	-1.4400	11000.	98	9803	No
405	GOM_NL_2PRFIN20040114_222647_000000492023_00230_09803_0974.N1	14-JAN-2004 22:26:47	Straylight	49.000	7	19Bet Ori	0.10000	14000.	98	9803	No
406	GOM_NL_2PRFIN20040114_222812_000000442023_00230_09803_0975.N1	14-JAN-2004 22:28:12	Twilight	44.000	33	50Zet Ori	1.7660	30000.	88	9803	No
407	GOM_NL_2PRFIN20040114_223022_000000602023_00230_09803_0976.N1	14-JAN-2004 22:30:22	Twilight	59.500	8	10Alp CMi	0.40000	6500.0	119	9803	No
408	GOM_NL_2PRFIN20040114_223315_000000432023_00230_09803_0977.N1	14-JAN-2004 22:33:15	Bright	42.500	44	24Gam Gem	1.9280	11000.	85	9803	No
409	GOM_NL_2PRFIN20040114_223439_000000362023_00230_09803_0978.N1	14-JAN-2004 22:34:39	Bright	35.500	176	23Zet Tau	3.0200	22000.	71	9803	No
410	GOM_NL_2PRFIN20040114_223648_000000402023_00230_09803_0979.N1	14-JAN-2004 22:36:48	Bright	39.500	28	12Bet Tau	1.6500	15200.	79	9803	No
411	GOM_NL_2PRFIN20040114_223822_000000392023_00230_09803_0980.N1	14-JAN-2004 22:38:22	Bright	38.500	114	3lot Aur	2.6930	4600.0	77	9803	No
412	GOM_NL_2PRFIN20040114_224117_000000372023_00230_09803_0981.N1	14-JAN-2004 22:41:17	Bright	37.000	42	34Bet Aur	1.9000	10200.	74	9803	No
413	GOM_NL_2PRFIN20040114_224653_000001192023_00230_09803_0982.N1	14-JAN-2004 22:46:53	Bright	118.50	166	17Eps Leo	2.9800	6000.0	237	9803	No
414	GOM_NL_2PRFIN20040114_225350_000000382023_00230_09803_0983.N1	14-JAN-2004 22:53:50	Bright	37.500	49	1Alp UMi	1.9900	6300.0	75	9803	No
415	GOM_NL_2PRFIN20040114_225750_000000422023_00230_09803_0984.N1	14-JAN-2004 22:57:50	Bright	41.500	60	7Bet UMi	2.0810	3950.0	83	9803	No
416	GOM_NL_2PRFIN20040114_230018_000000542023_00230_09803_0985.N1	14-JAN-2004 23:00:18	Bright	54.000	32	77Eps UMa	1.7630	11000.	108	9803	No
417	GOM_NL_2PRFIN20040114_230207_000000352023_00230_09803_0986.N1	14-JAN-2004 23:02:07	Bright	35.000	119	14Eta Dra	2.7270	4700.0	70	9803	No
418	GOM_NL_2PRFIN20040114_230440_000000382023_00230_09803_0987.N1	14-JAN-2004 23:04:40	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	9803	No
419	GOM_NL_2PRFIN20040114_230745_000000392023_00230_09803_0988.N1	14-JAN-2004 23:07:45	Bright	39.000	5	3Alp Lyr	0.033000	11000.	78	9803	No
420	GOM_NL_2PRFIN20040114_231056_000000382023_00230_09803_0989.N1	14-JAN-2004 23:10:56	Bright	38.000	133	40Zet Her	2.8070	6000.0	76	9803	No
421	GOM_NL_2PRFIN20040114_231346_000000582023_00230_09803_0990.N1	14-JAN-2004 23:13:46	Bright	57.500	83		2.3780	11000.	115	9803	No
422	GOM_NL_2PRFIN20040114_231544_000000362023_00230_09803_0991.N1	14-JAN-2004 23:15:44	Bright	36.000	59	55Alp Oph	2.0800	8900.0	72	9803	No
423	GOM_NL_2PRFIN20040114_231948_000000912023_00230_09803_0992.N1	14-JAN-2004 23:19:48	Twilight	90.500	111	8Eta Boo	2.6800	6000.0	181	9803	No
424	GOM_NL_2PRFIN20040114_232259_000000372023_00230_09803_0993.N1	14-JAN-2004 23:22:59	Bright	37.000	98	13Zet Oph	2.5710	30000.	74	9803	No
425	GOM_NL_2PRFIN20040114_232512_000000502023_00230_09803_0994.N1	14-JAN-2004 23:25:12	Twilight	50.000	104	27Bet Lib	2.6140	13100.	100	9803	No
426	GOM_NL_2PRFIN20040114_232727_000000532023_00230_09803_0995.N1	14-JAN-2004 23:27:27	Twilight	53.000	16	21Alp Sco	1.0200	3000.0	106	9803	No
427	GOM_NL_2PRFIN20040114_233240_000000402023_00230_09803_0996.N1	14-JAN-2004 23:32:40	Dark	39.500	131	Gam Lup	2.8000	26000.	79	9803	No
428	GOM_NL_2PRFIN20040114_233423_000000412023_00230_09803_0997.N1	14-JAN-2004 23:34:23	Dark	41.000	109	Bet Lup	2.6770	26000.	82	9803	No
429	GOM_NL_2PRFIN20040114_233553_000000422023_00230_09803_0998.N1	14-JAN-2004 23:35:53	Dark	41.500	78	Alp Lup	2.3040	28000.	83	9803	No
430	GOM_NL_2PRFIN20040114_234341_000000472023_00231_09804_0957.N1	14-JAN-2004 23:43:41	Dark	46.500	99	Del Cen	2.5750	26000.	93	9804	No
431	GOM_NL_2PRFIN20040114_234608_000000412023_00231_09804_0958.N1	14-JAN-2004 23:46:08	Dark	40.500	124	The Car	2.7640	30000.	81	9804	No
432	GOM_NL_2PRFIN20040114_234733_000000402023_00231_09804_0959.N1	14-JAN-2004 23:47:33	Dark	39.500	29	Bet Car	1.6720	10200.	79	9804	No
433	GOM_NL_2PRFIN20040114_234926_000000482023_00231_09804_0960.N1	14-JAN-2004 23:49:26	Dark	48.000	71	lot Car	2.2460	7700.0	96	9804	No
434	GOM_NL_2PRFIN20040114_235043_000000462023_00231_09804_0961.N1	14-JAN-2004 23:50:43	Dark	45.500	41	Eps Car	1.8600	4100.0	91	9804	No
435	GOM_NL_2PRFIN20040114_235419_000000492023_00231_09804_0962.N1	14-JAN-2004 23:54:19	Dark	49.000	2	Alp Car	-0.73600	7000.0	98	9804	No
436	GOM_NL_2PRFIN20040114_235611_000000432023_00231_09804_0963.N1	14-JAN-2004 23:56:11	Dark	43.000	70	Zet Pup	2.2460	39000.	86	9804	No
437	GOM_NL_2PRFIN20040114_235752_000000482023_00231_09804_0964.N1	14-JAN-2004 23:57:52	Straylight	47.500	117	Pi Pup	2.7060	3800.0	95	9804	No

3. Quality information per product

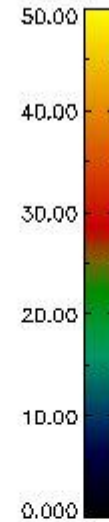
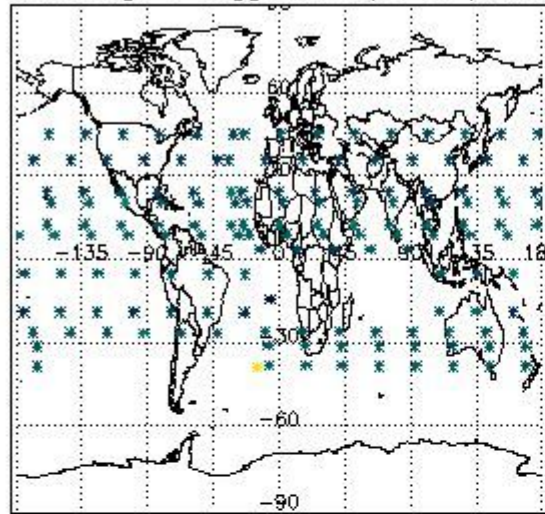
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

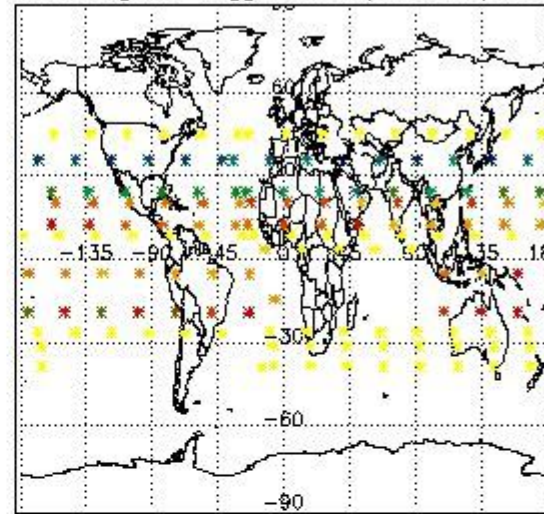


3.2 Plot quality information per product (world map)

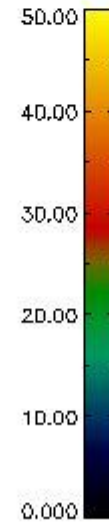
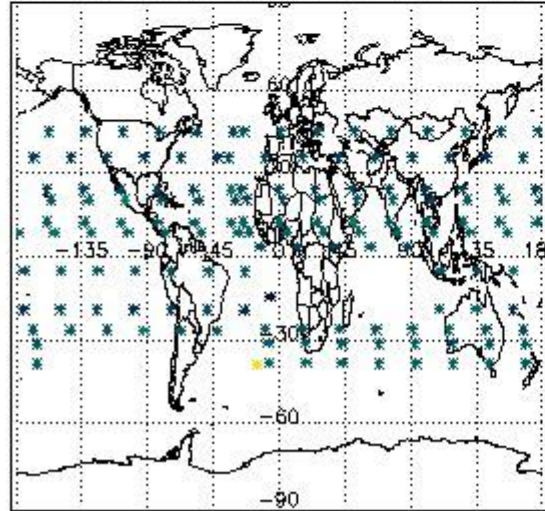
Percentage of flagged data per O3 profile



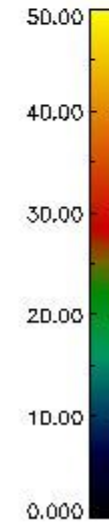
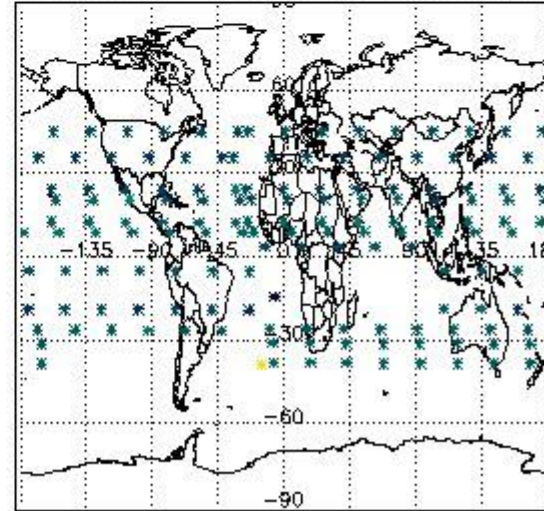
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

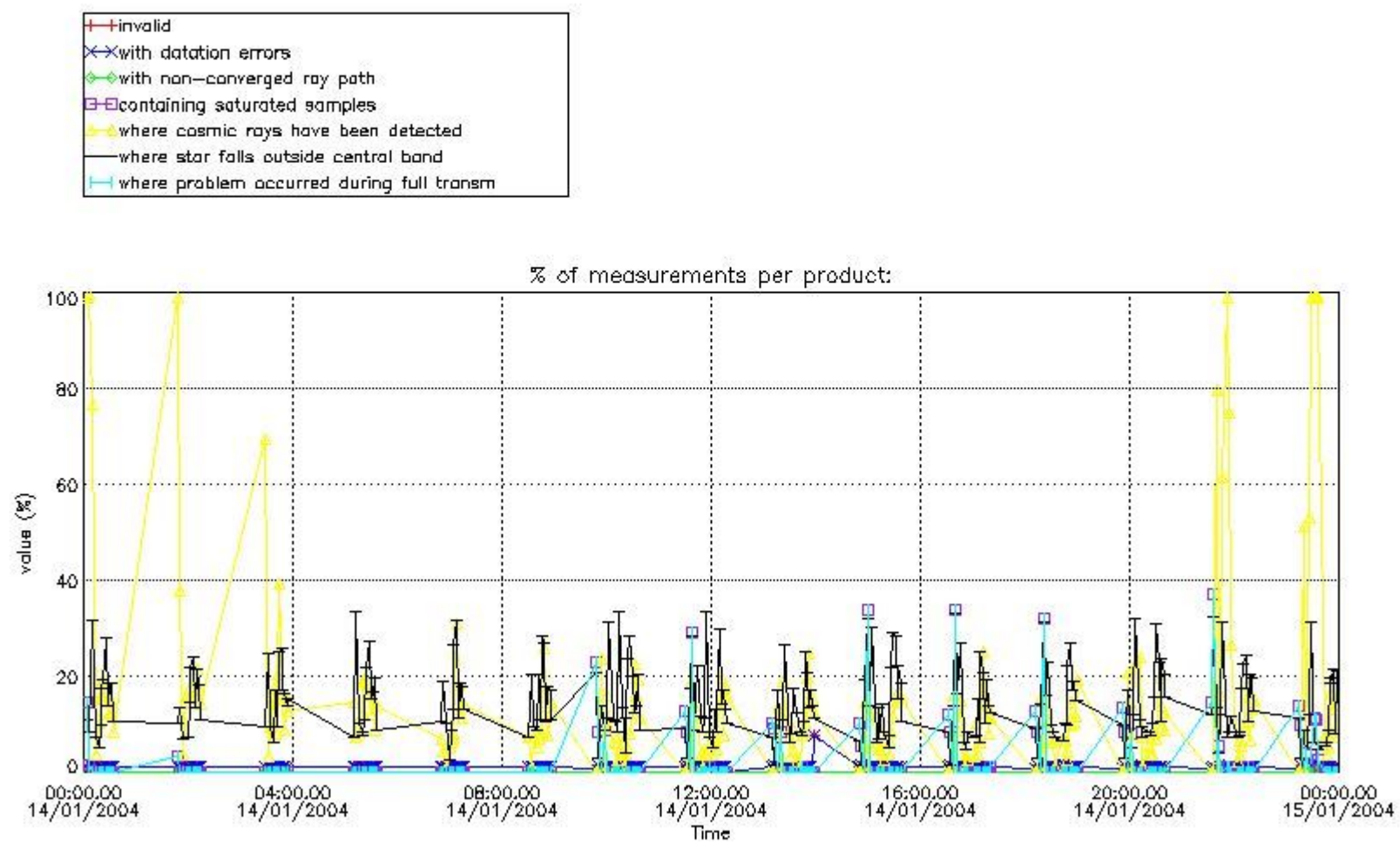


4. Level 1 quality information per product

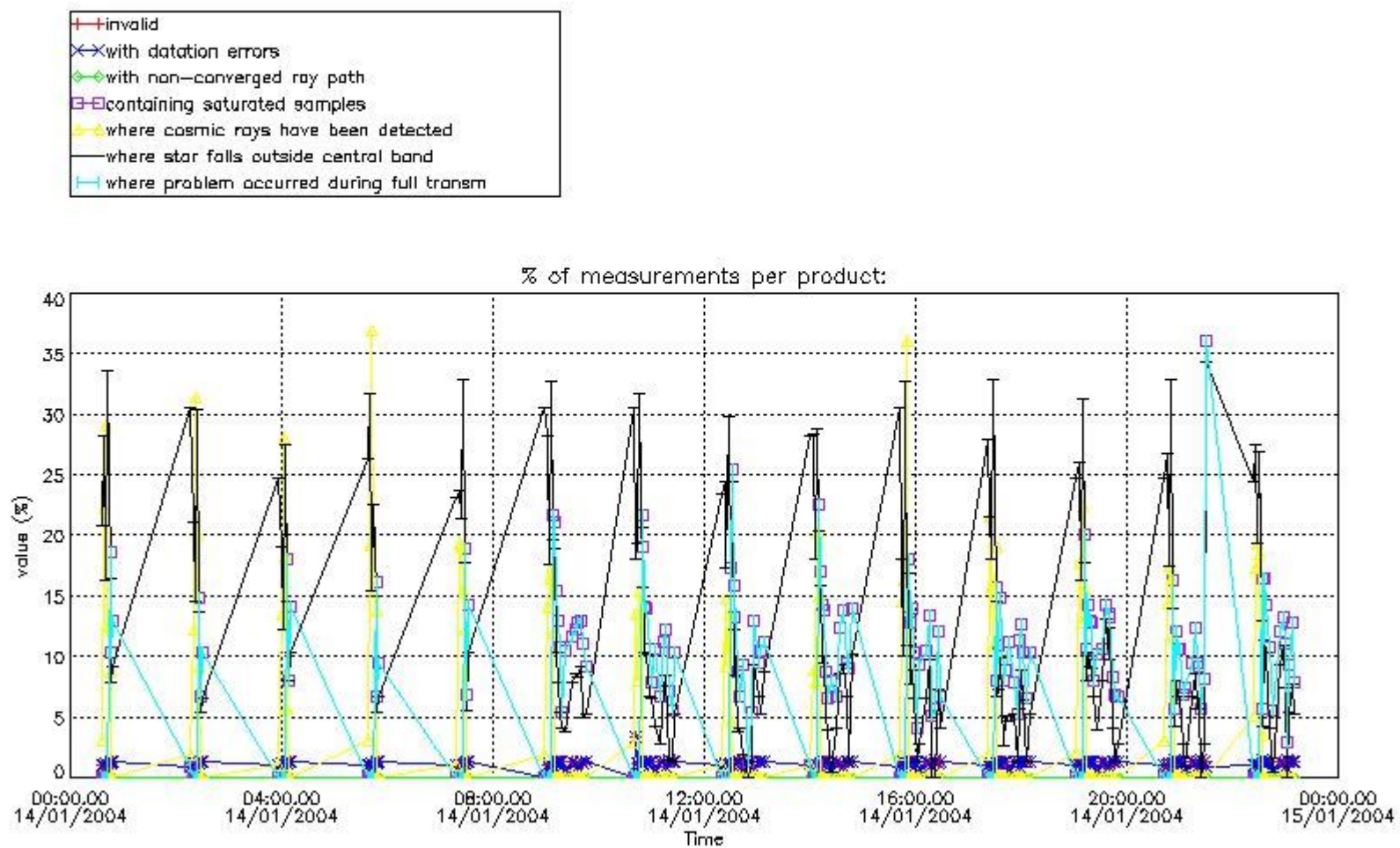
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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

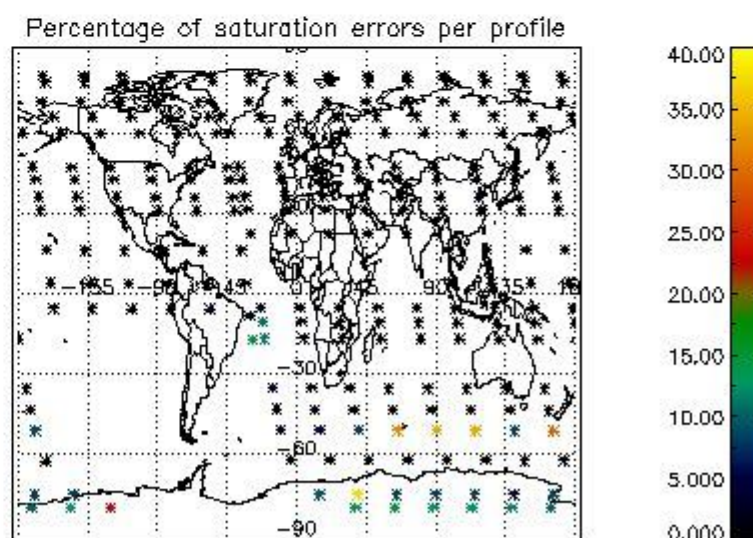
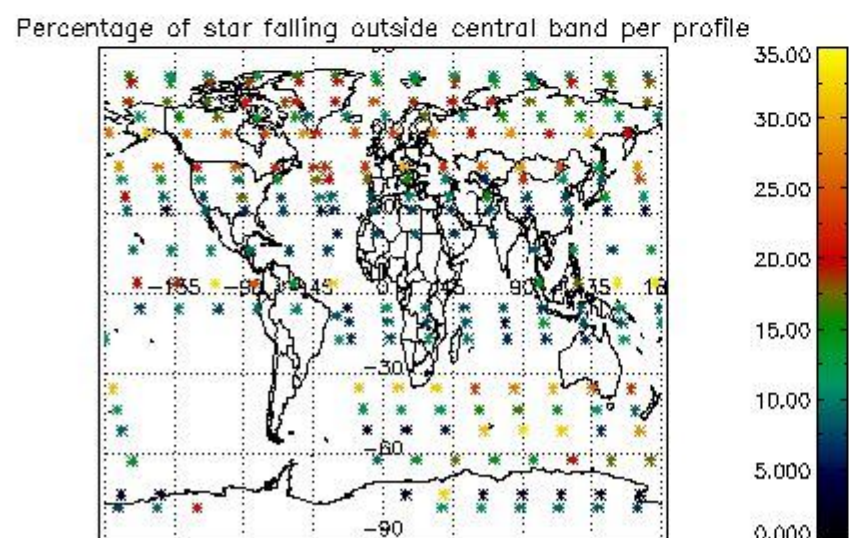
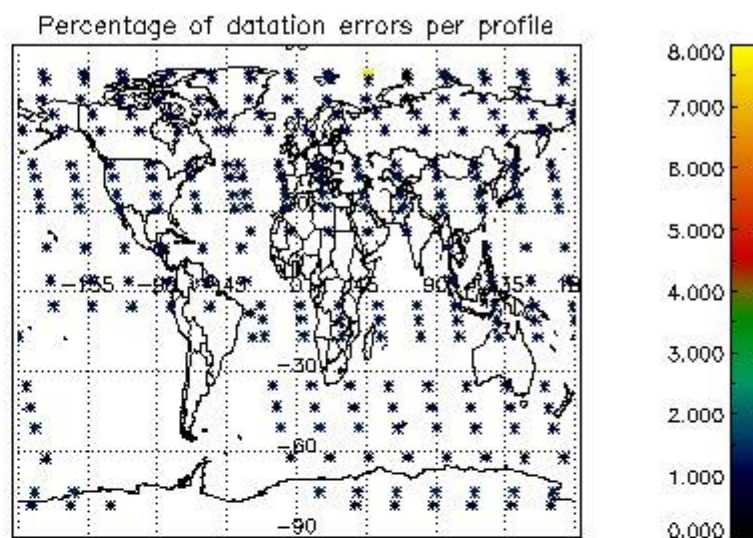
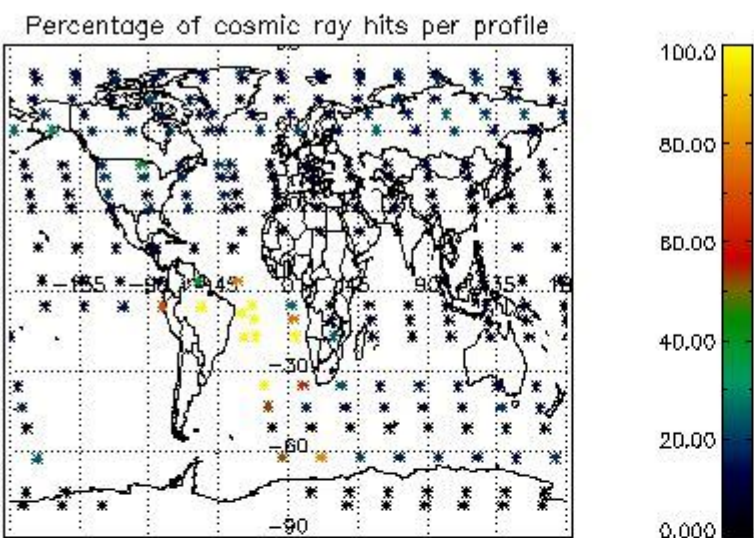


4.1.2 Plot level 1 quality information per product (time dependant): ENVISAT DESCENDING passes

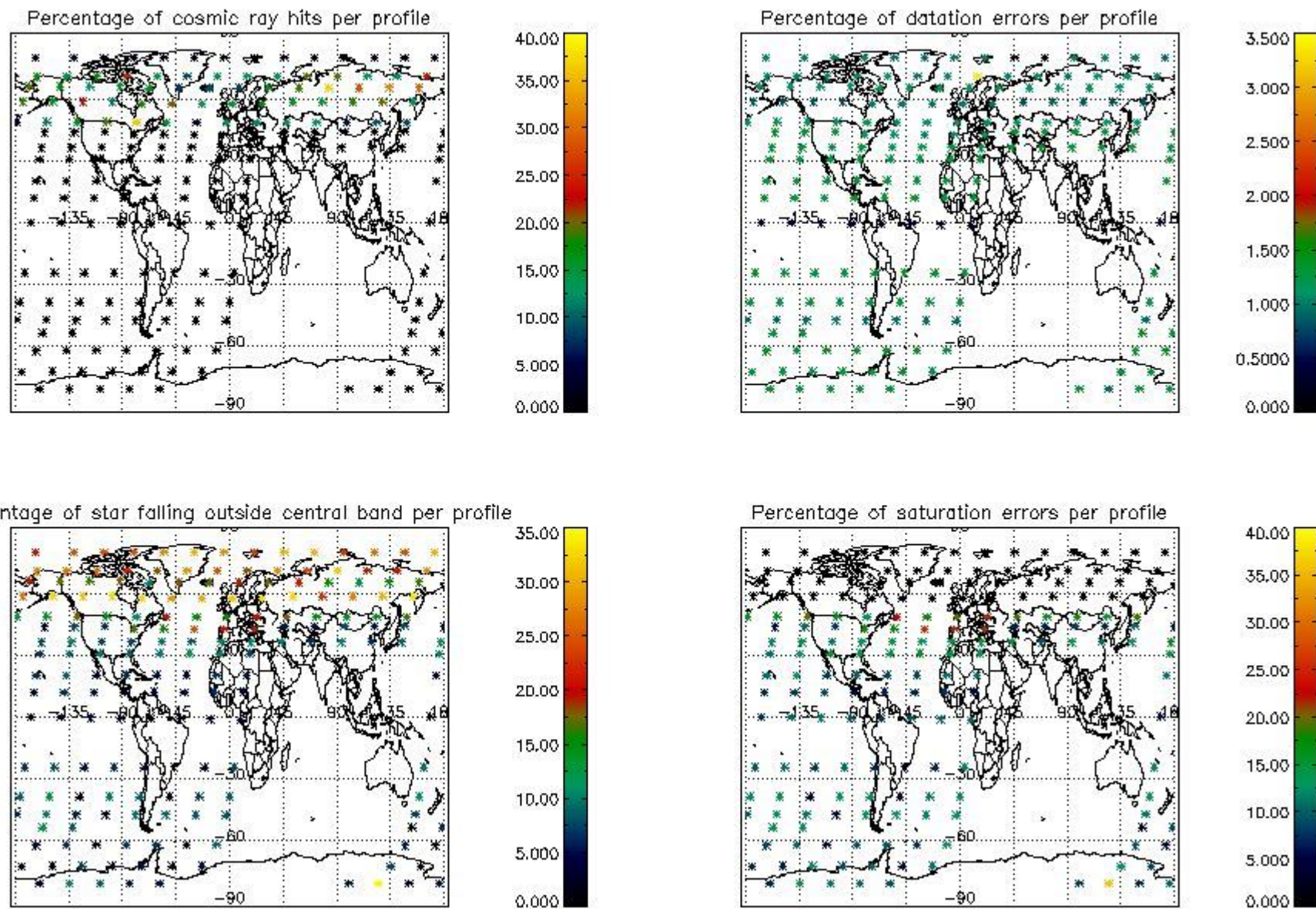


4.2 Plot quality information per product coming from level 1b processing (world map)

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



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



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

The final quality of the products can be "measured" using the STD (Standard Deviation) attached to every point profile. This information is written to the parameter GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/o3_std of the level 2 products. The table below shows the statistics for given STD ranges.

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

- Products without fatal errors: GOM_NL__2P/MPH/PRODUCT_ERR=0
- Valid point profile: GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/pcd(0)=0

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

- Products in dark limb illumination condition: GOM_NL__2P/NL_SUMMARY_QUALITY/obs_ill_cond=0
- Products without fatal errors: GOM_NL__2P/MPH/PRODUCT_ERR=0
- Valid point profile: GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/pcd(0)=0

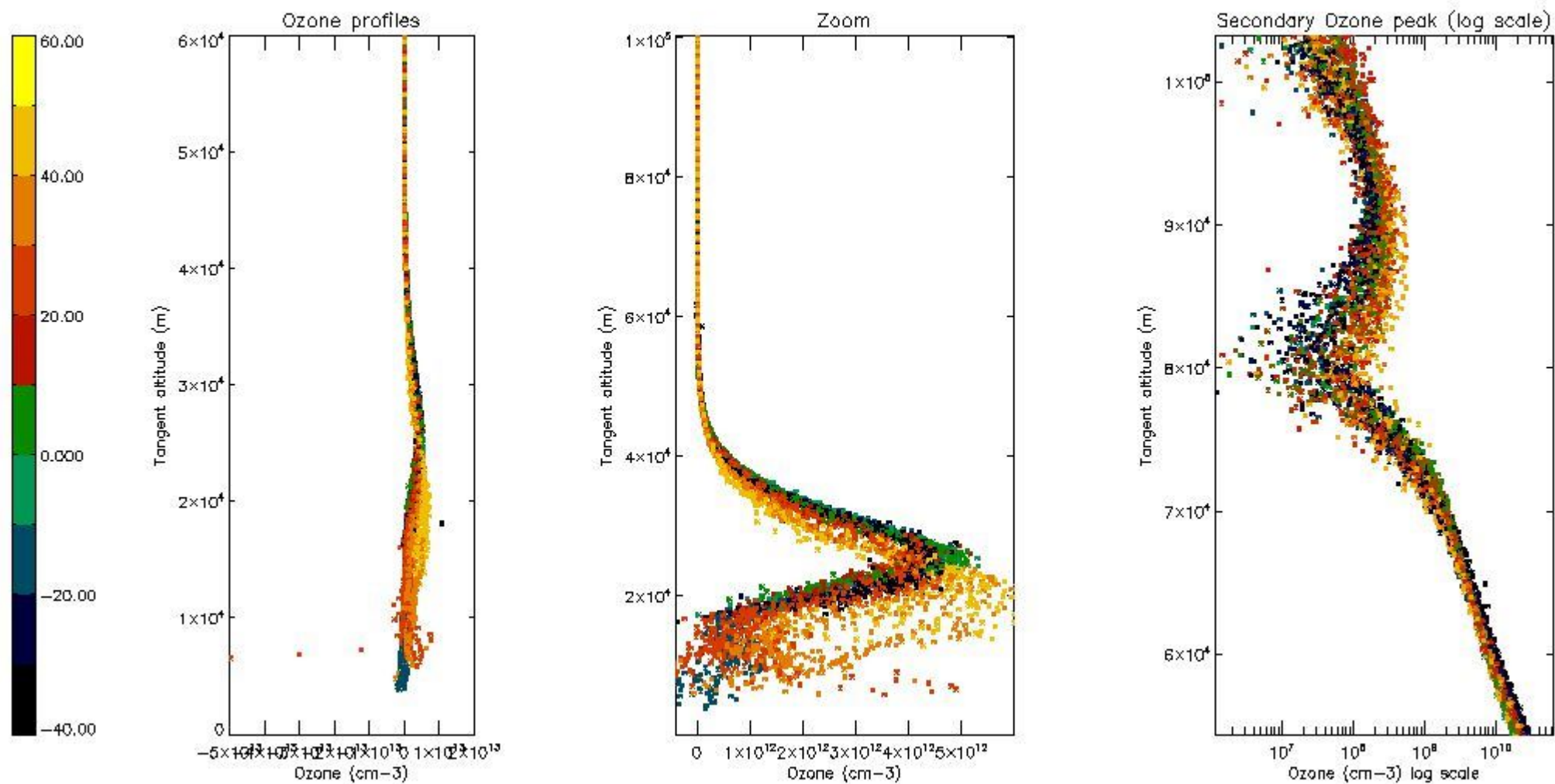
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	32
STD < 20	21

STD < 10	18
STD < 5	13

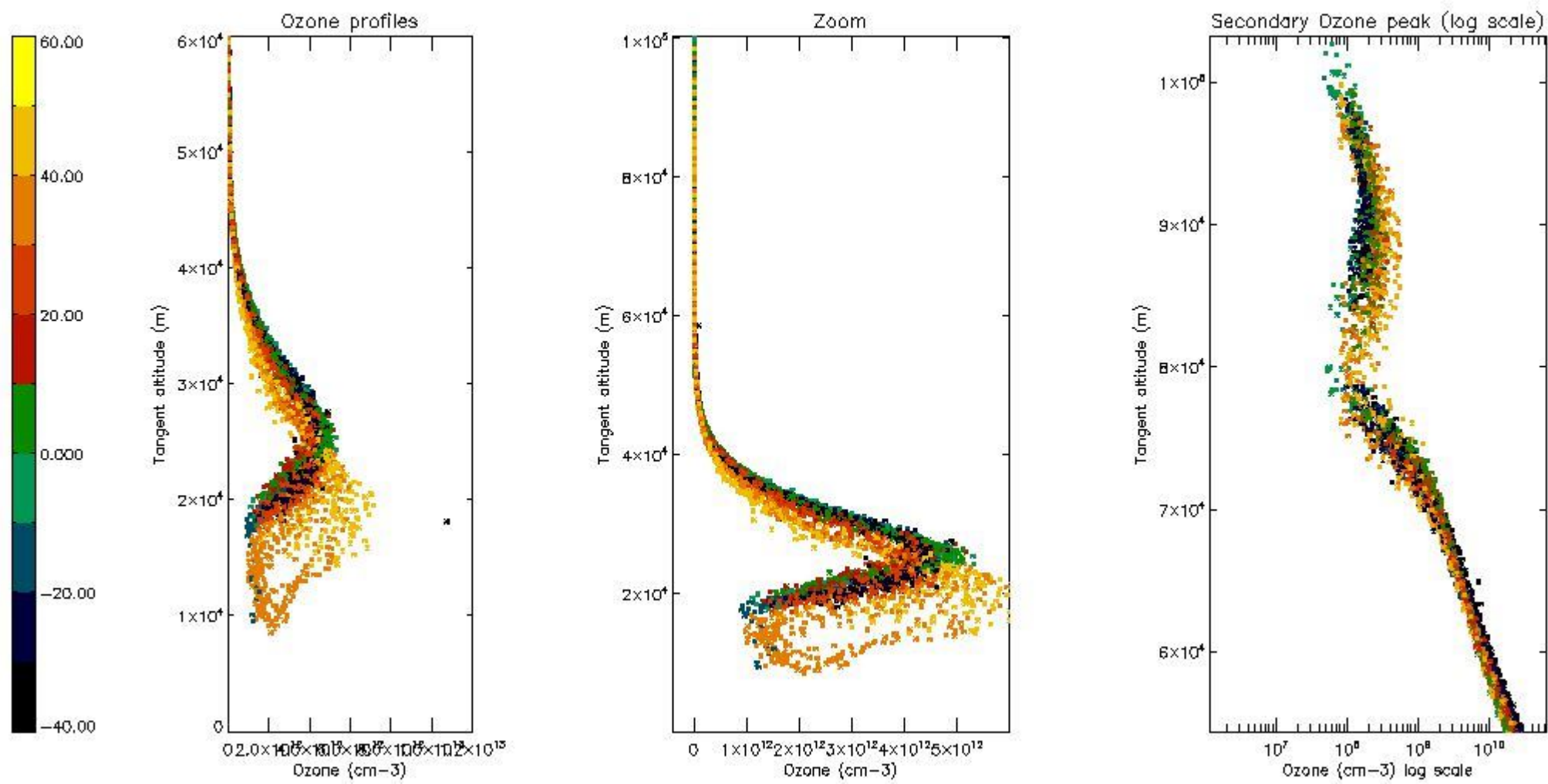
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



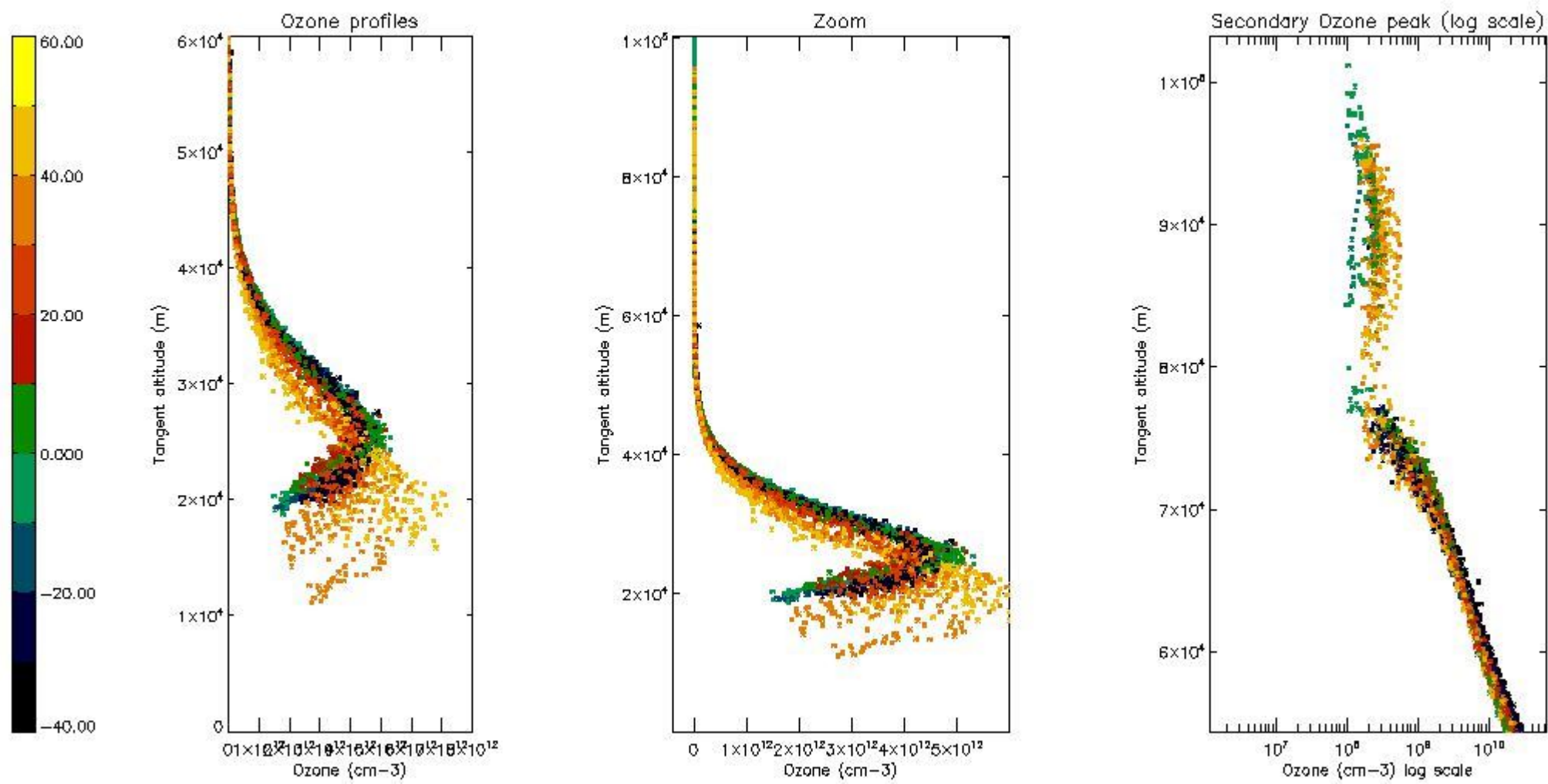
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



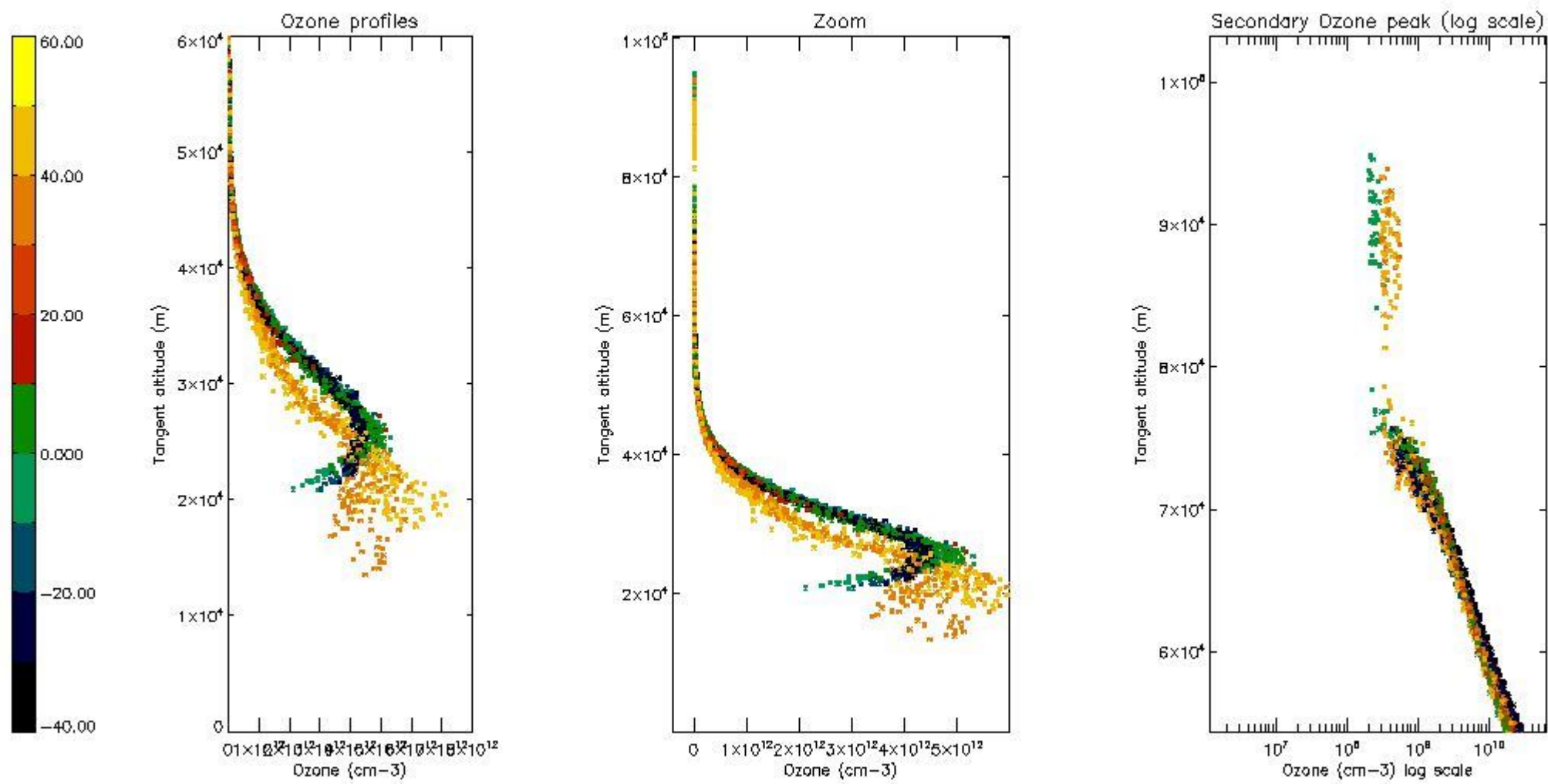
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



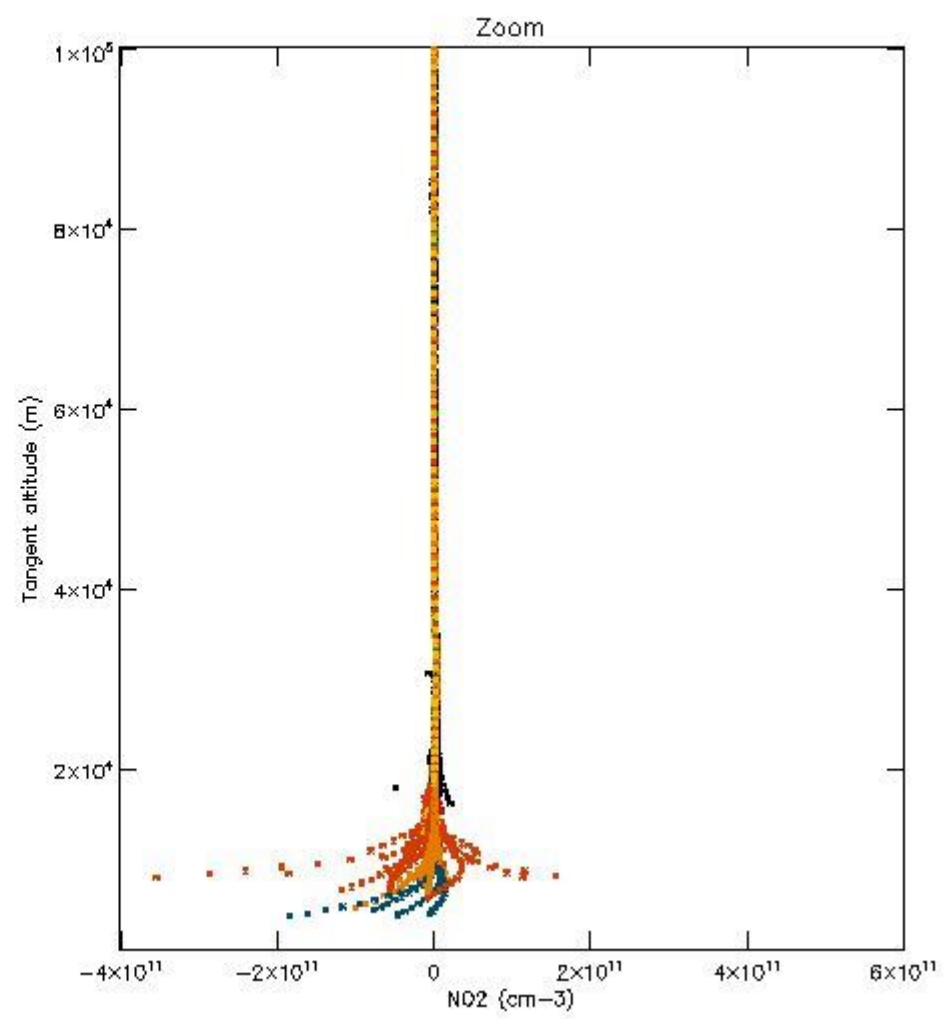
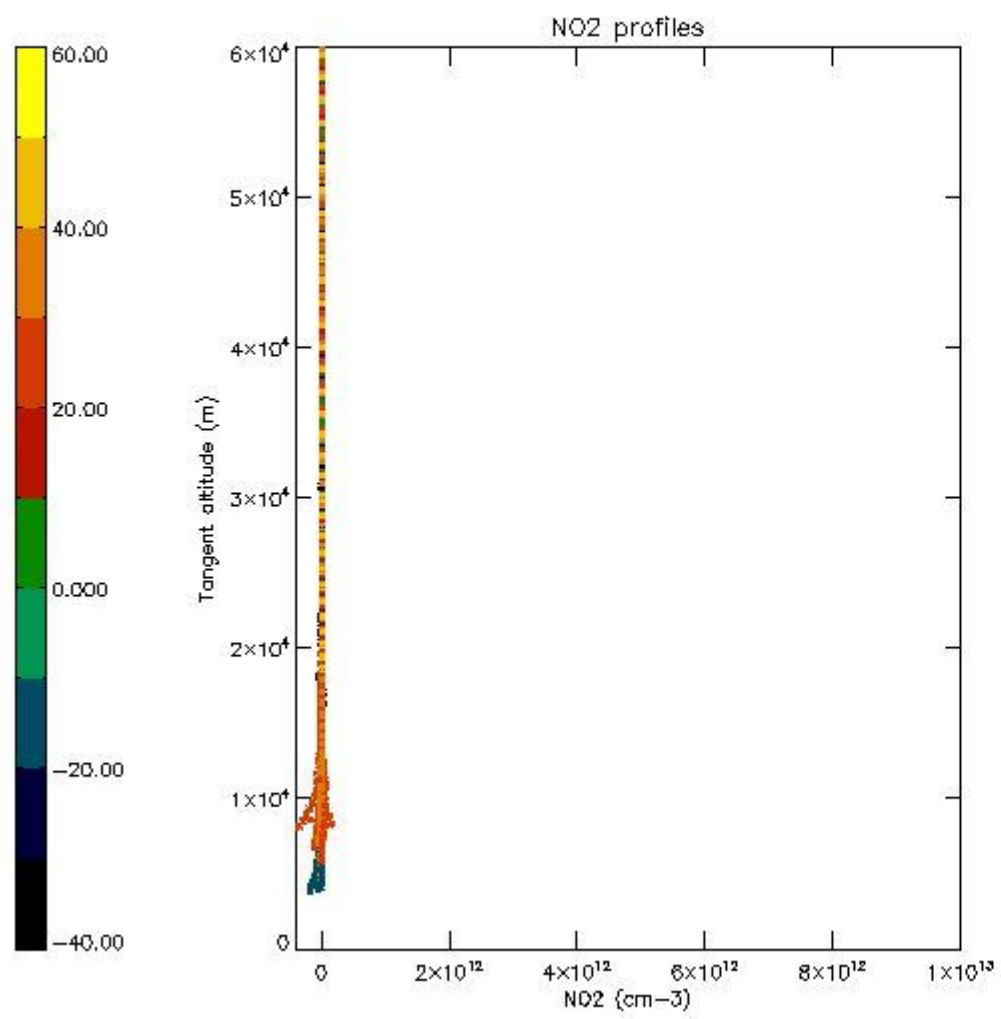
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



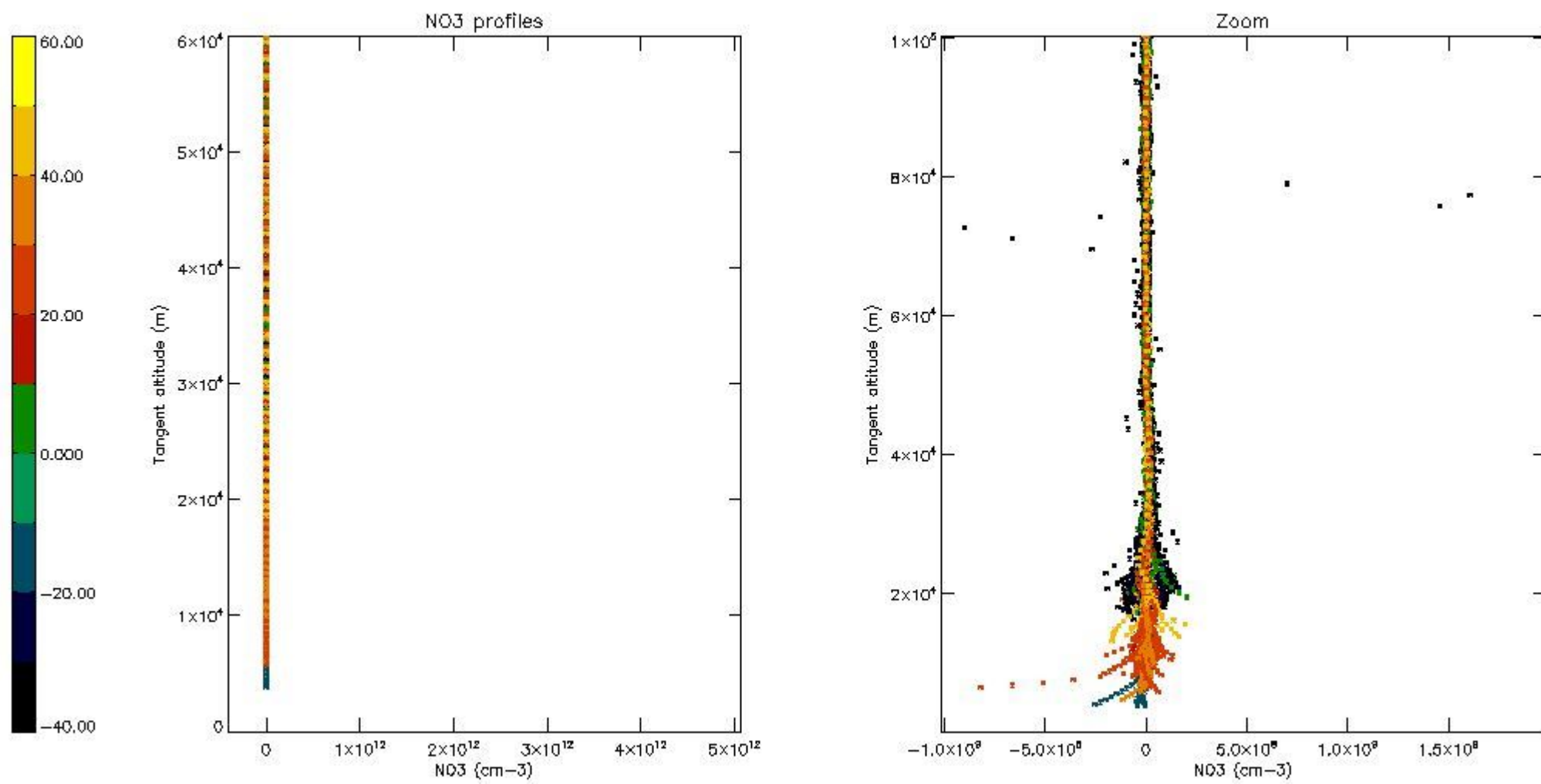
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



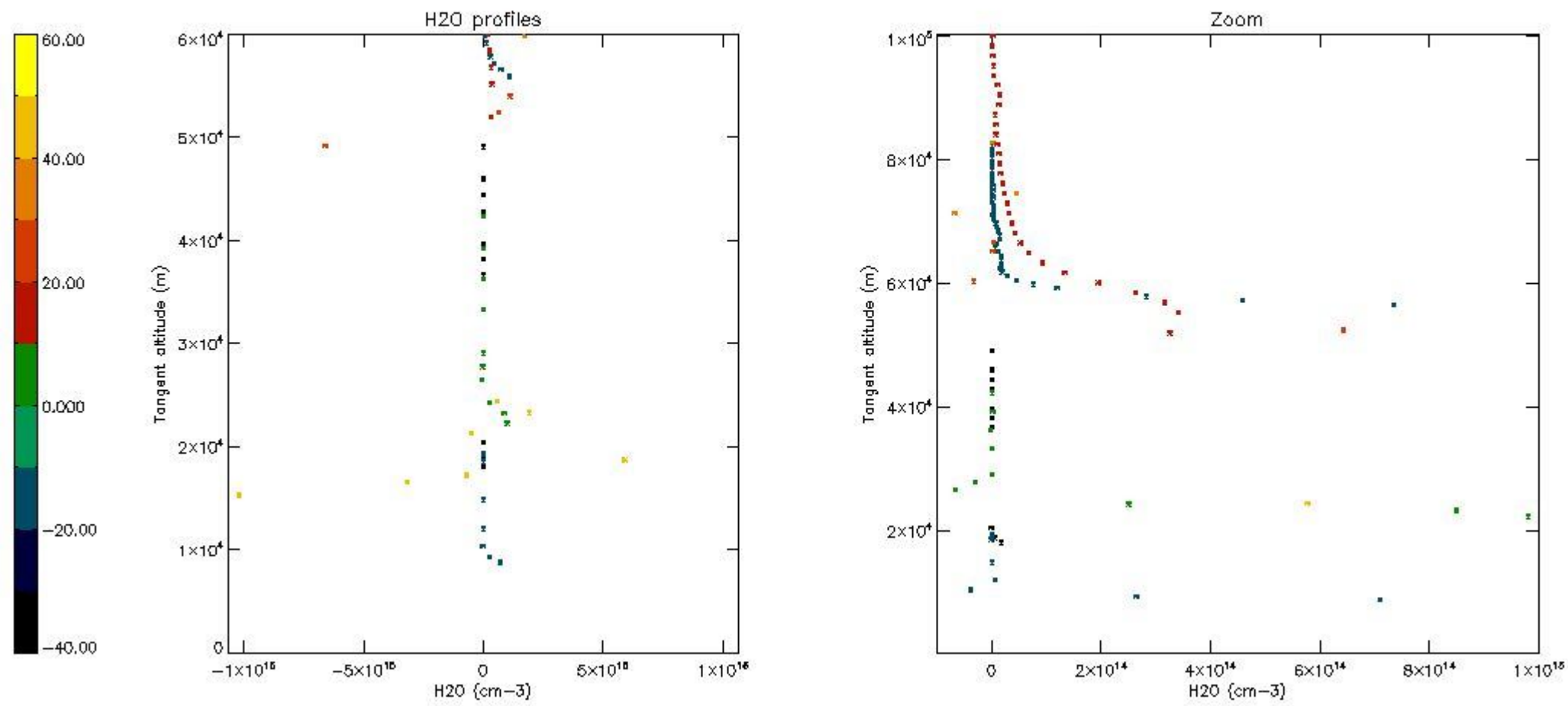
5.7 Plot NO3 profiles for all STD (dark without errors)

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)

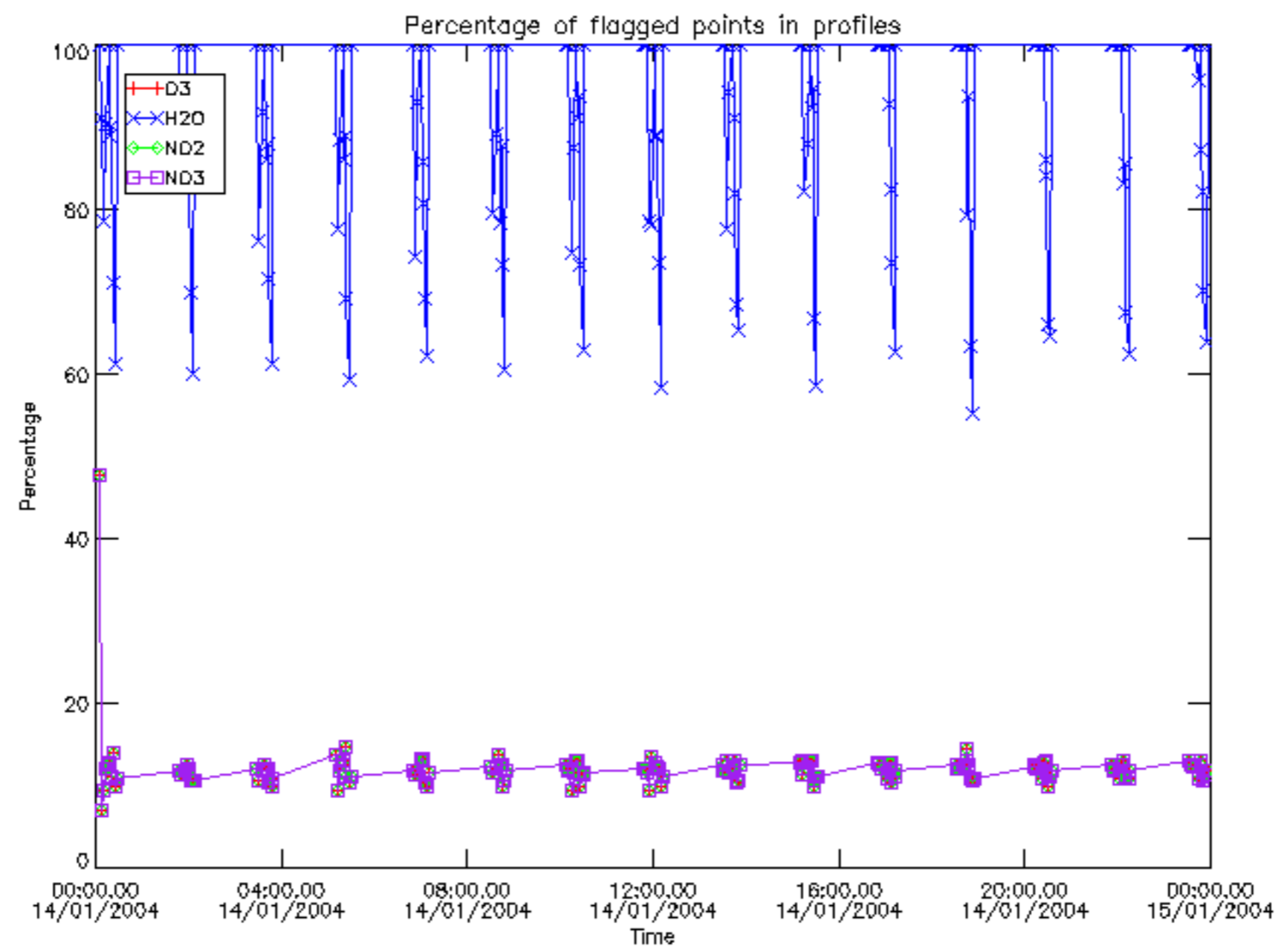
The colorbar represents the latitude.



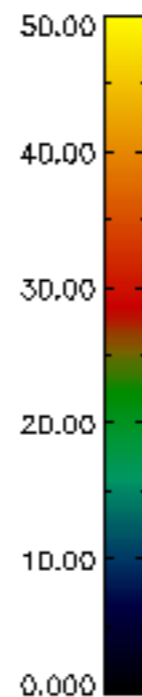
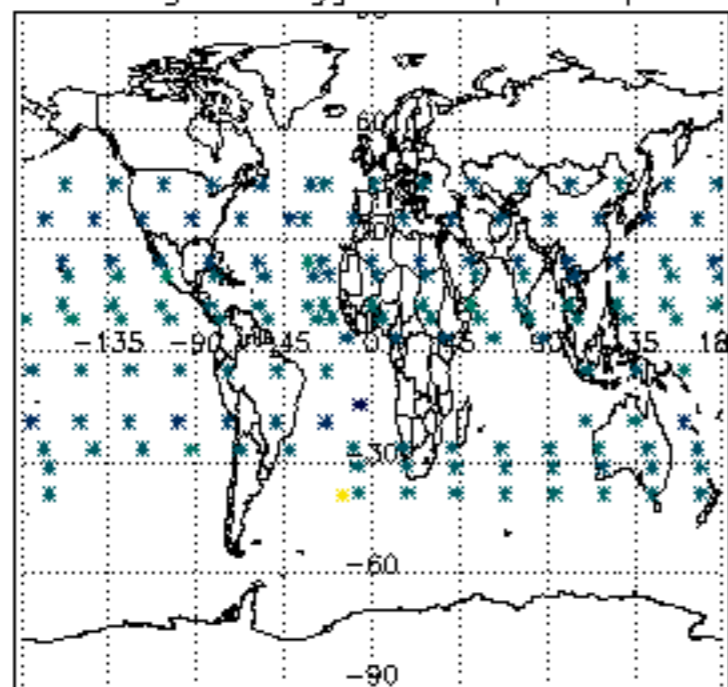
6. Auxiliary Data Files used for the production reported in section 2

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.

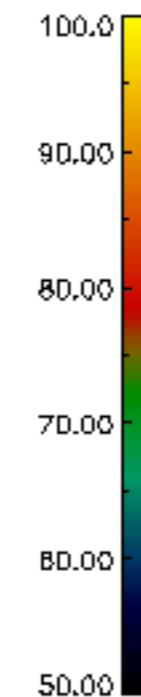
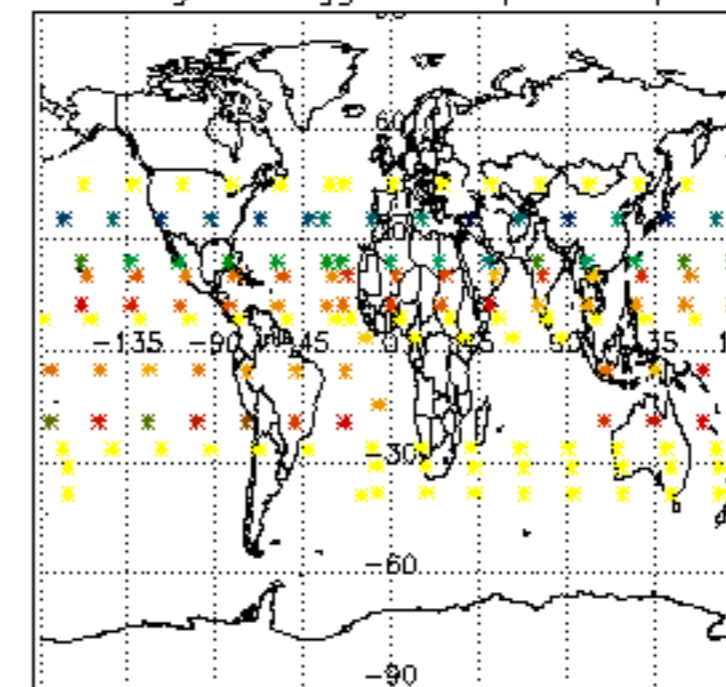
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	14-JAN-2004 00:04:10
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	14-JAN-2004 00:04:10
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	14-JAN-2004 00:04:10



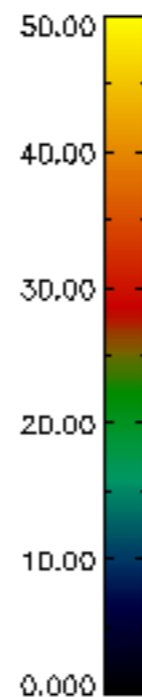
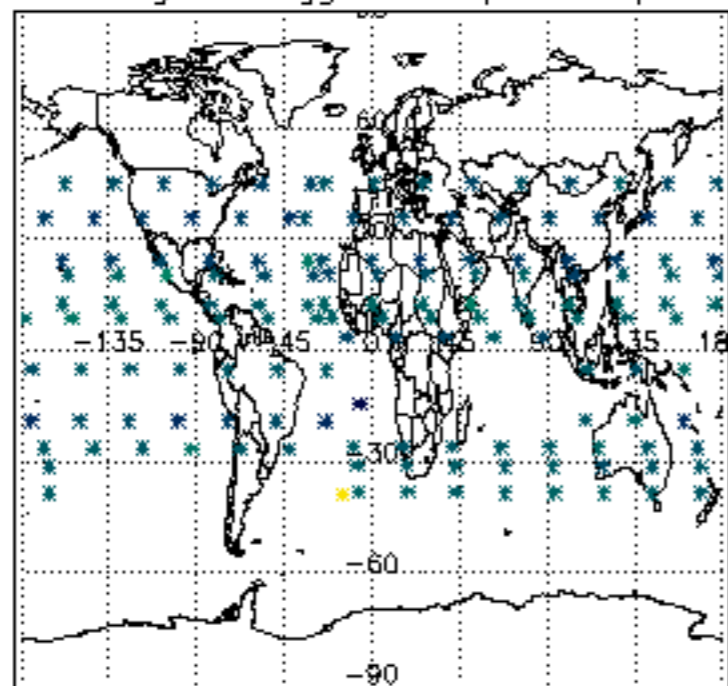
Percentage of flagged data per D3 profile



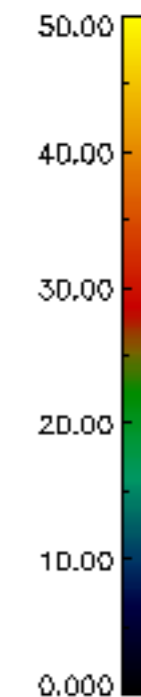
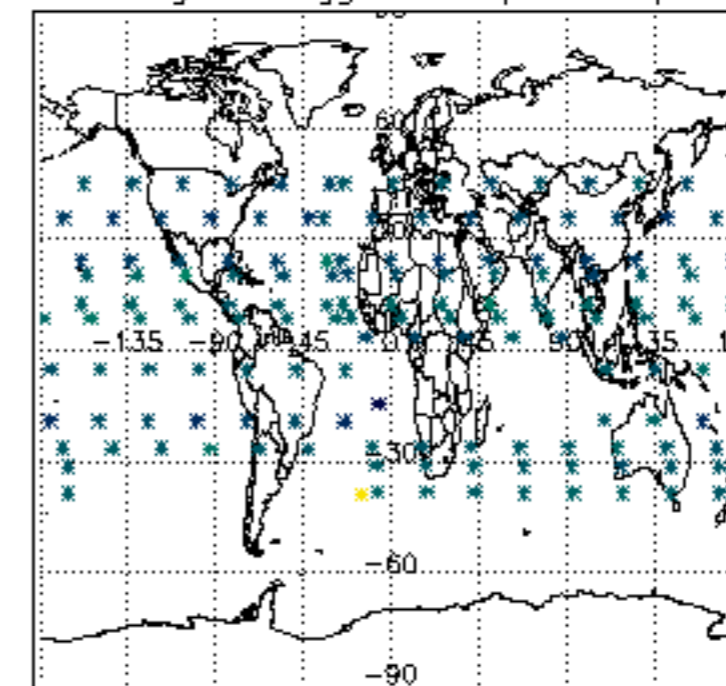
Percentage of flagged data per H2O profile

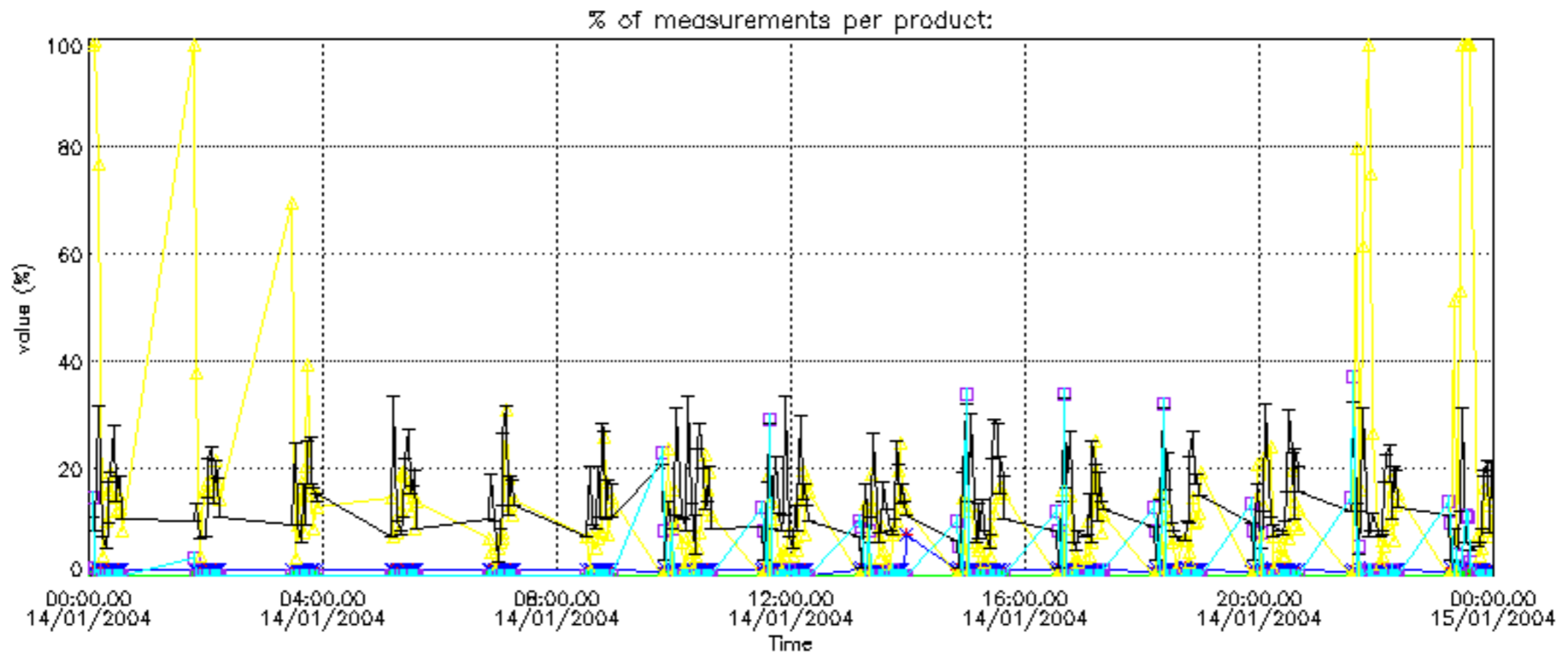


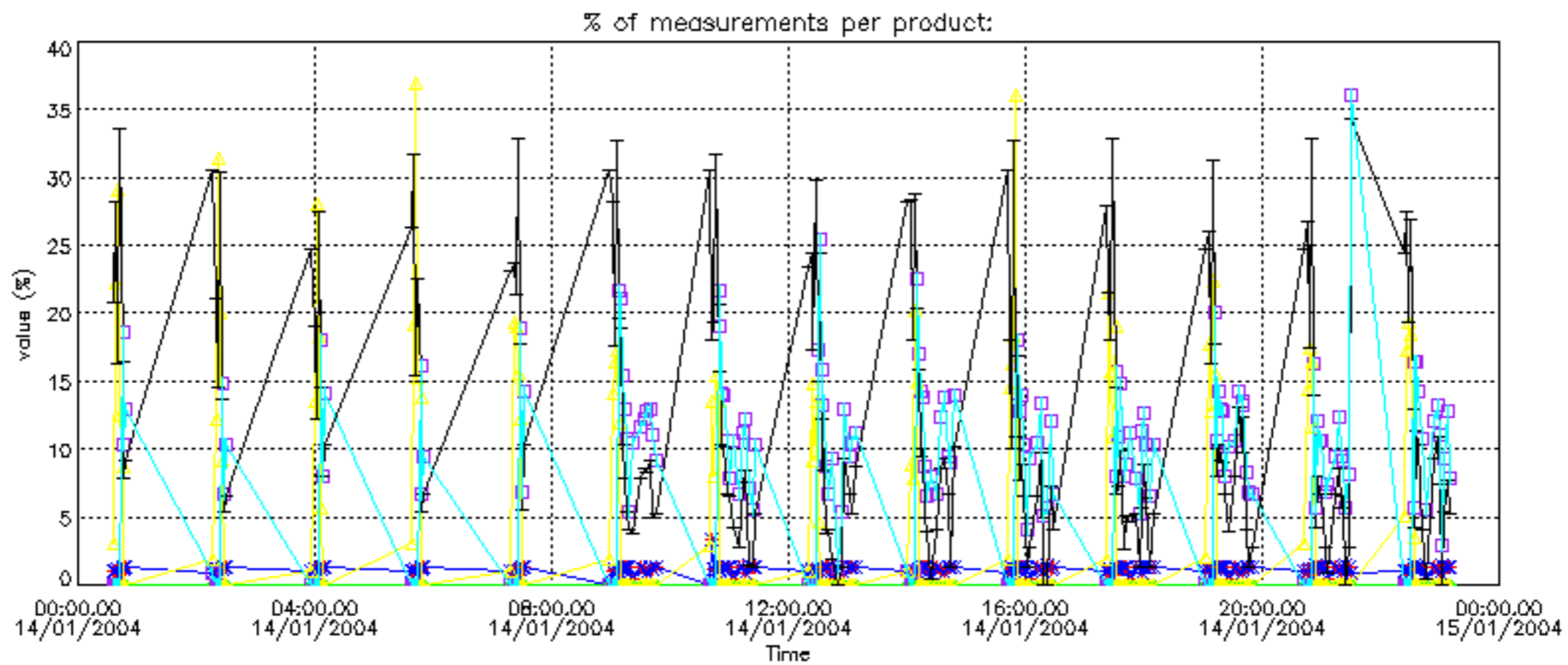
Percentage of flagged data per NO2 profile



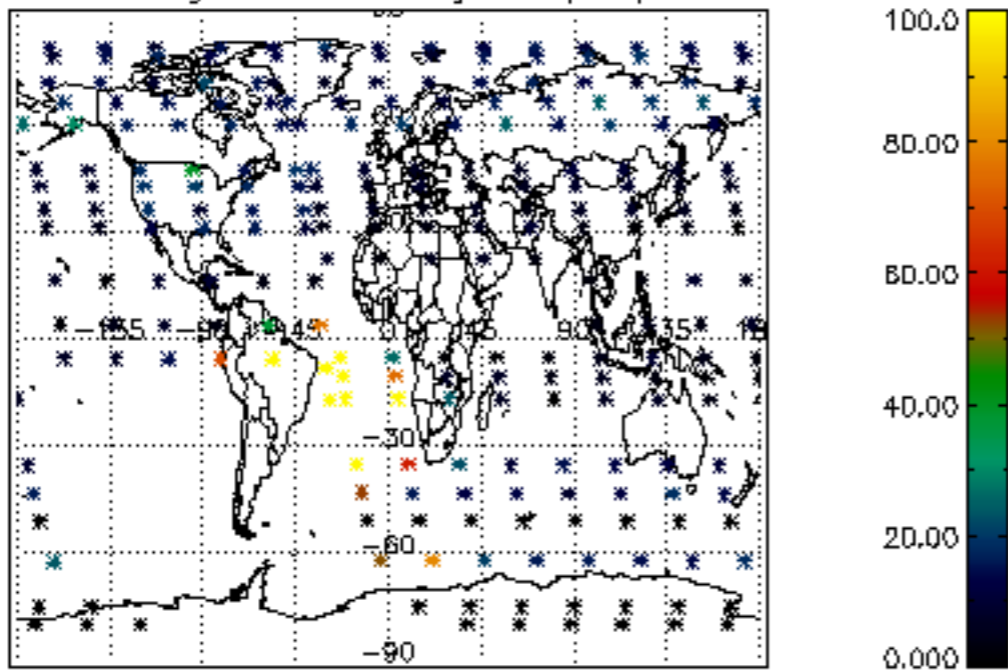
Percentage of flagged data per NO3 profile



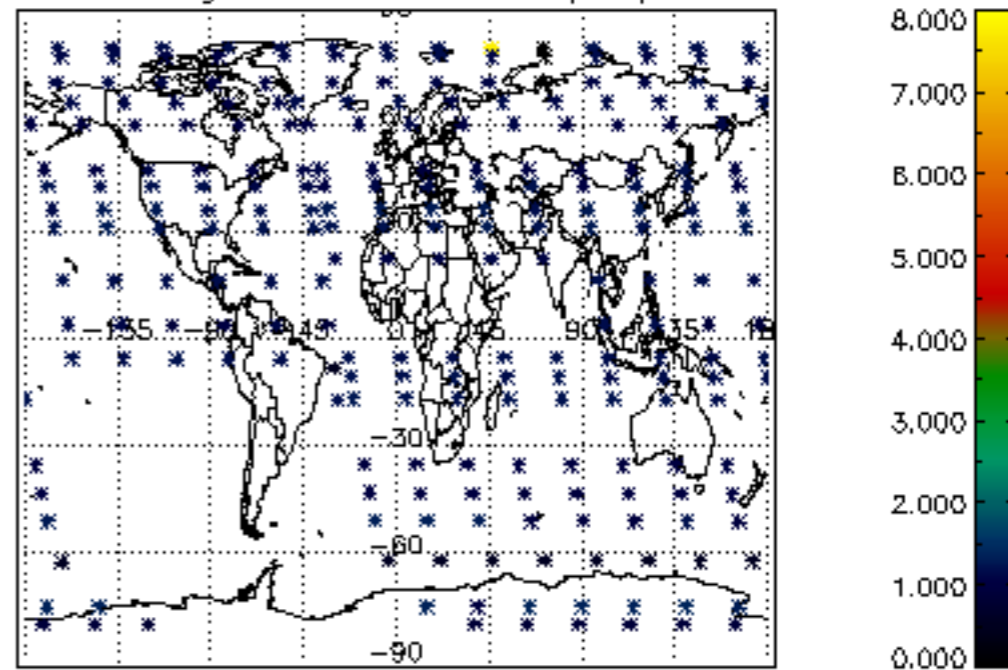




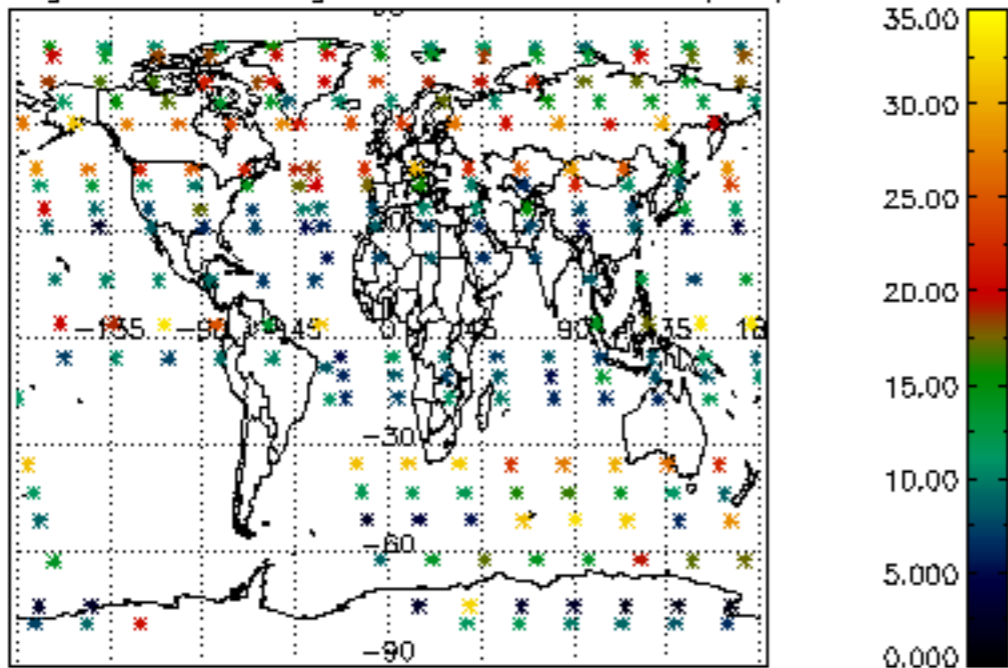
Percentage of cosmic ray hits per profile



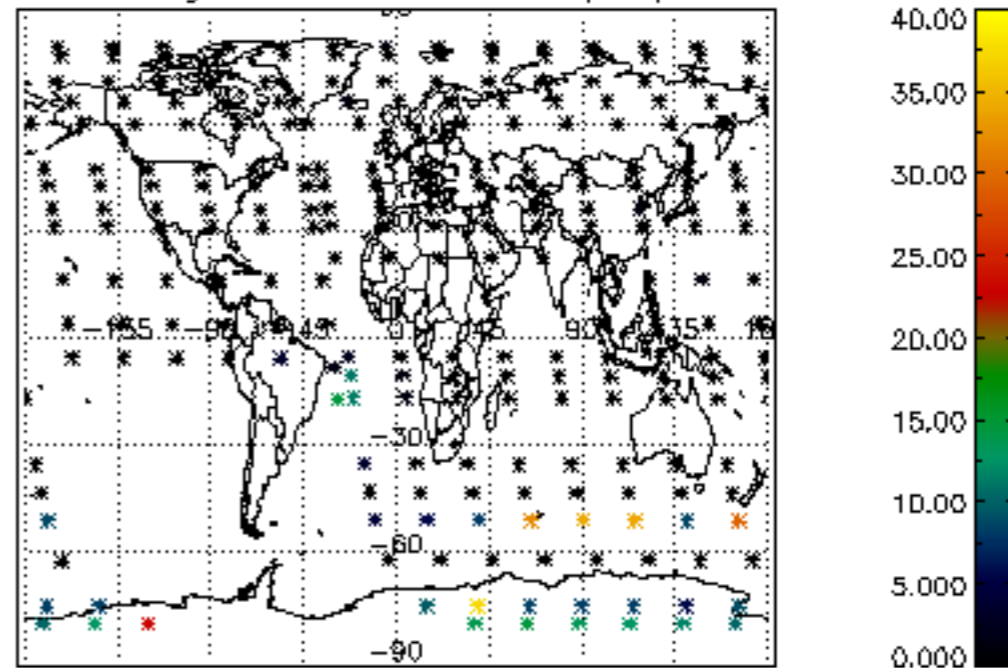
Percentage of datation errors per profile



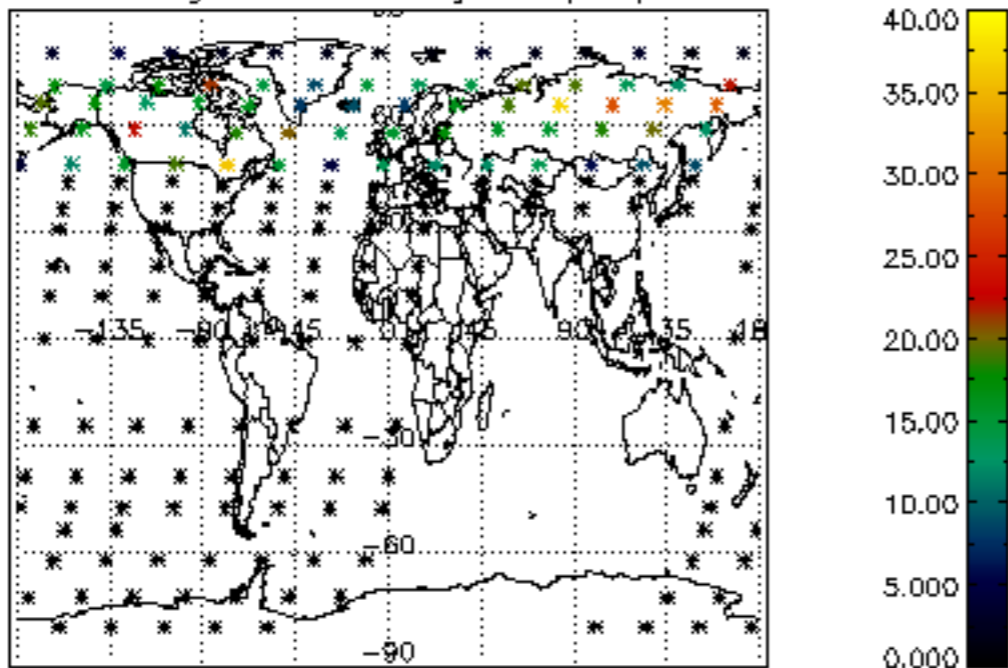
Percentage of star falling outside central band per profile



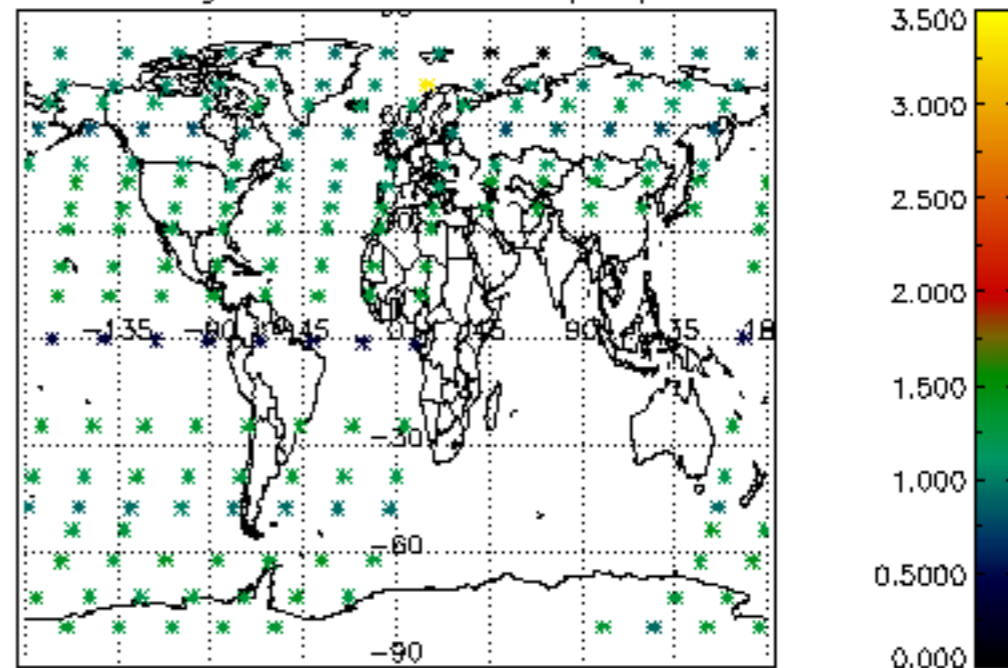
Percentage of saturation errors per profile



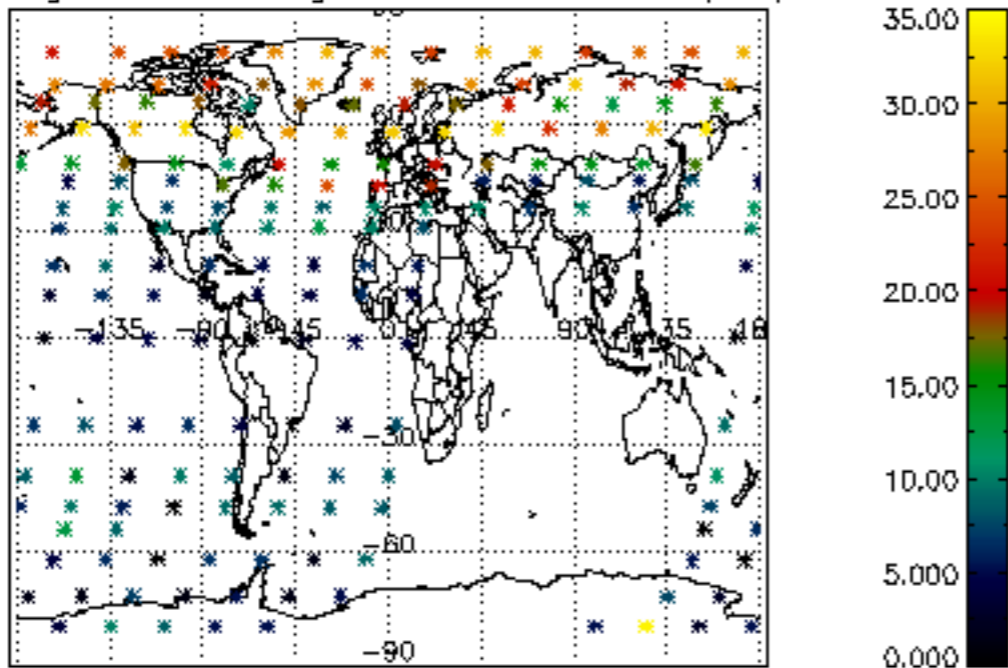
Percentage of cosmic ray hits per profile



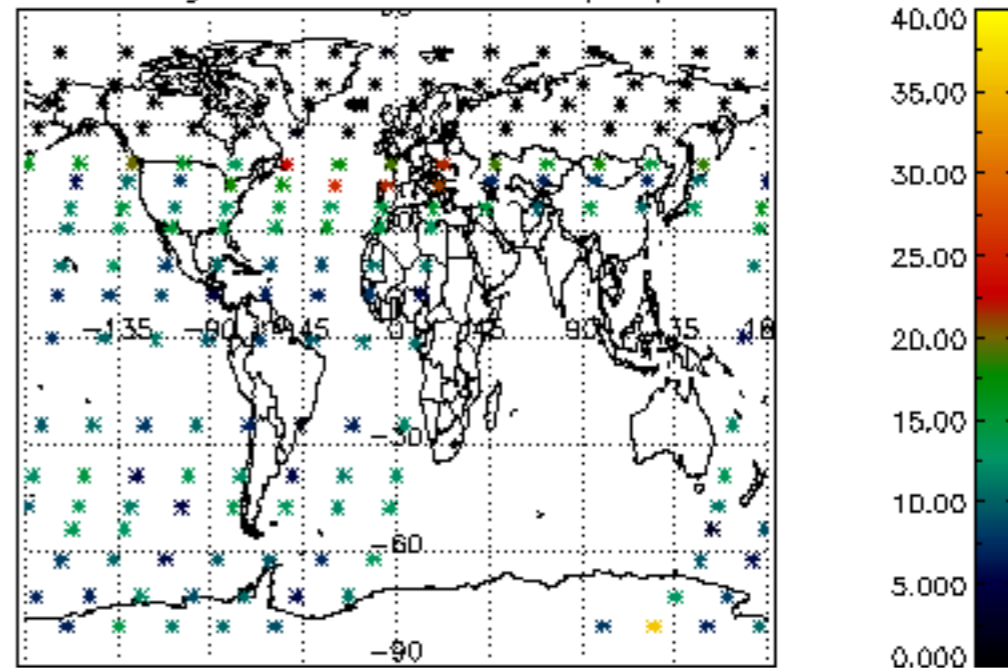
Percentage of datation errors per profile

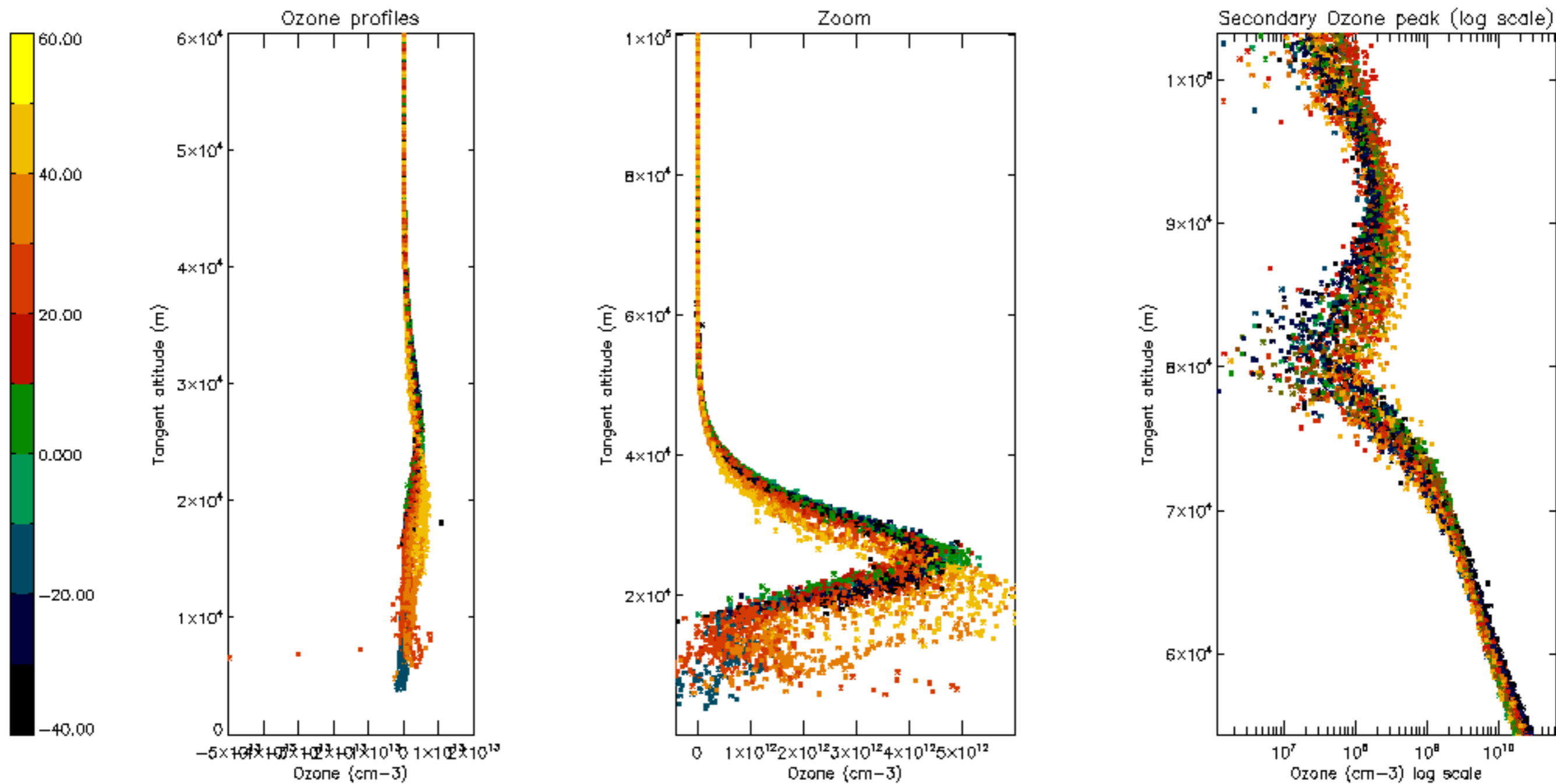


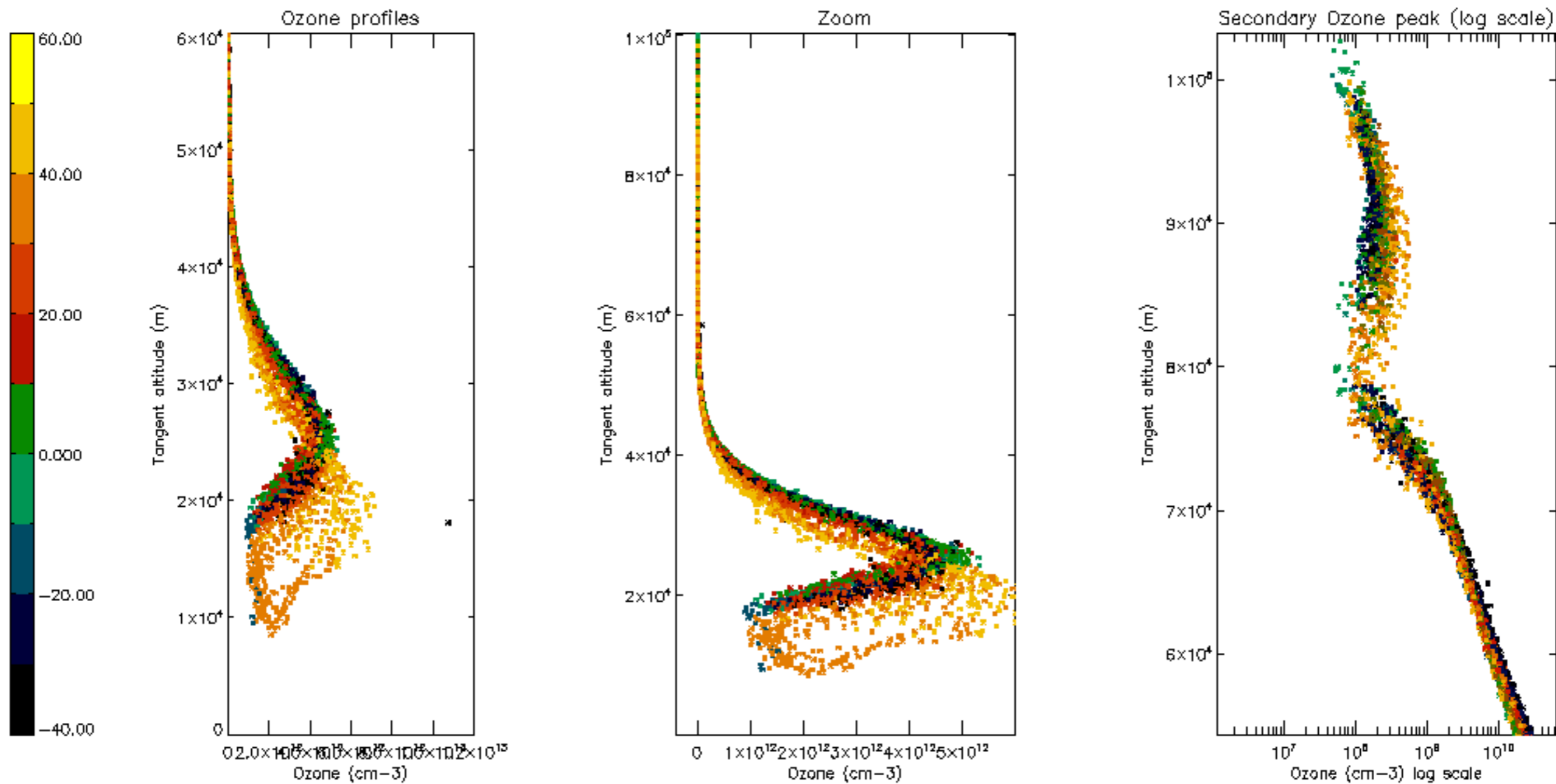
Percentage of star falling outside central band per profile

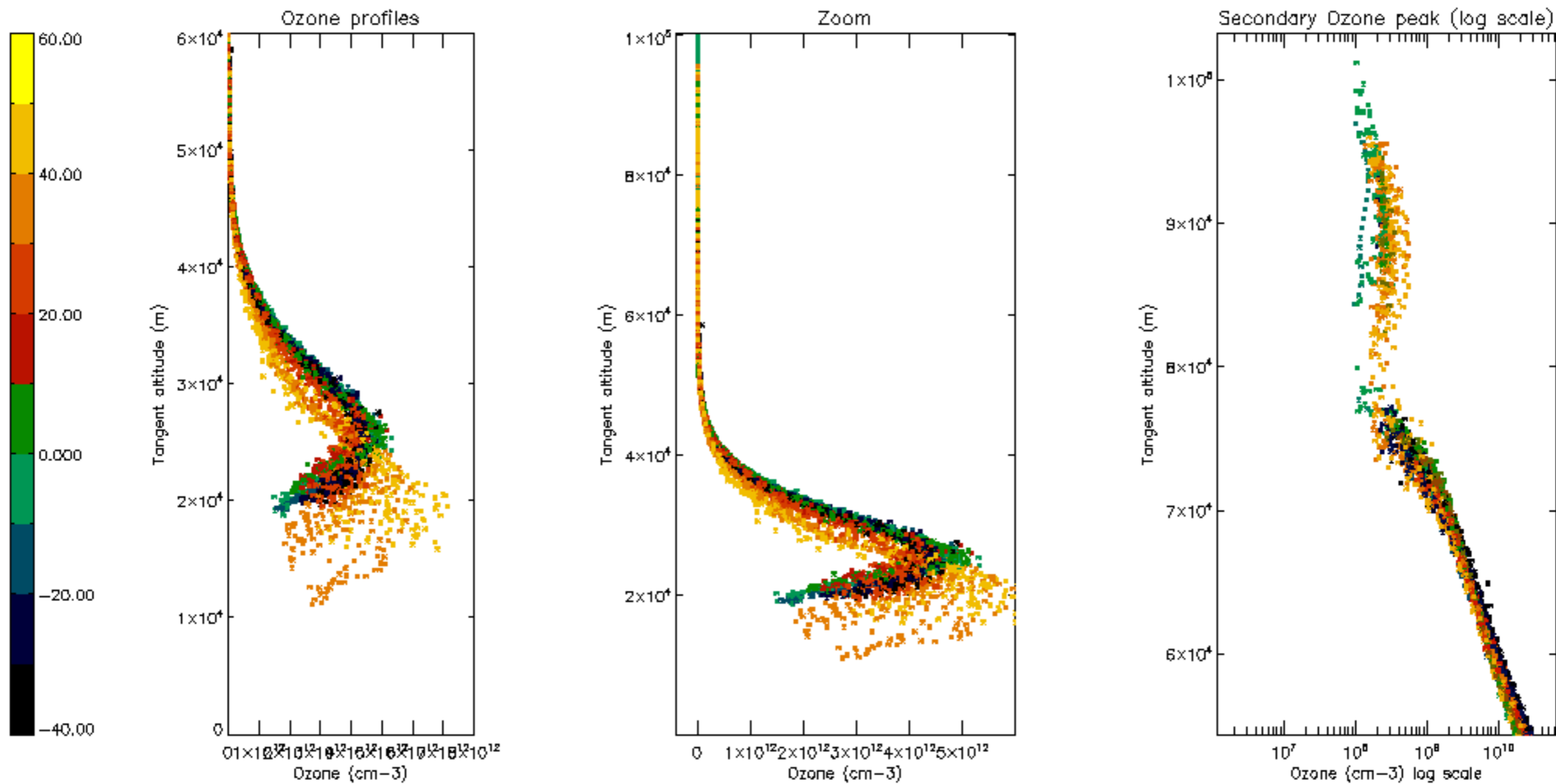


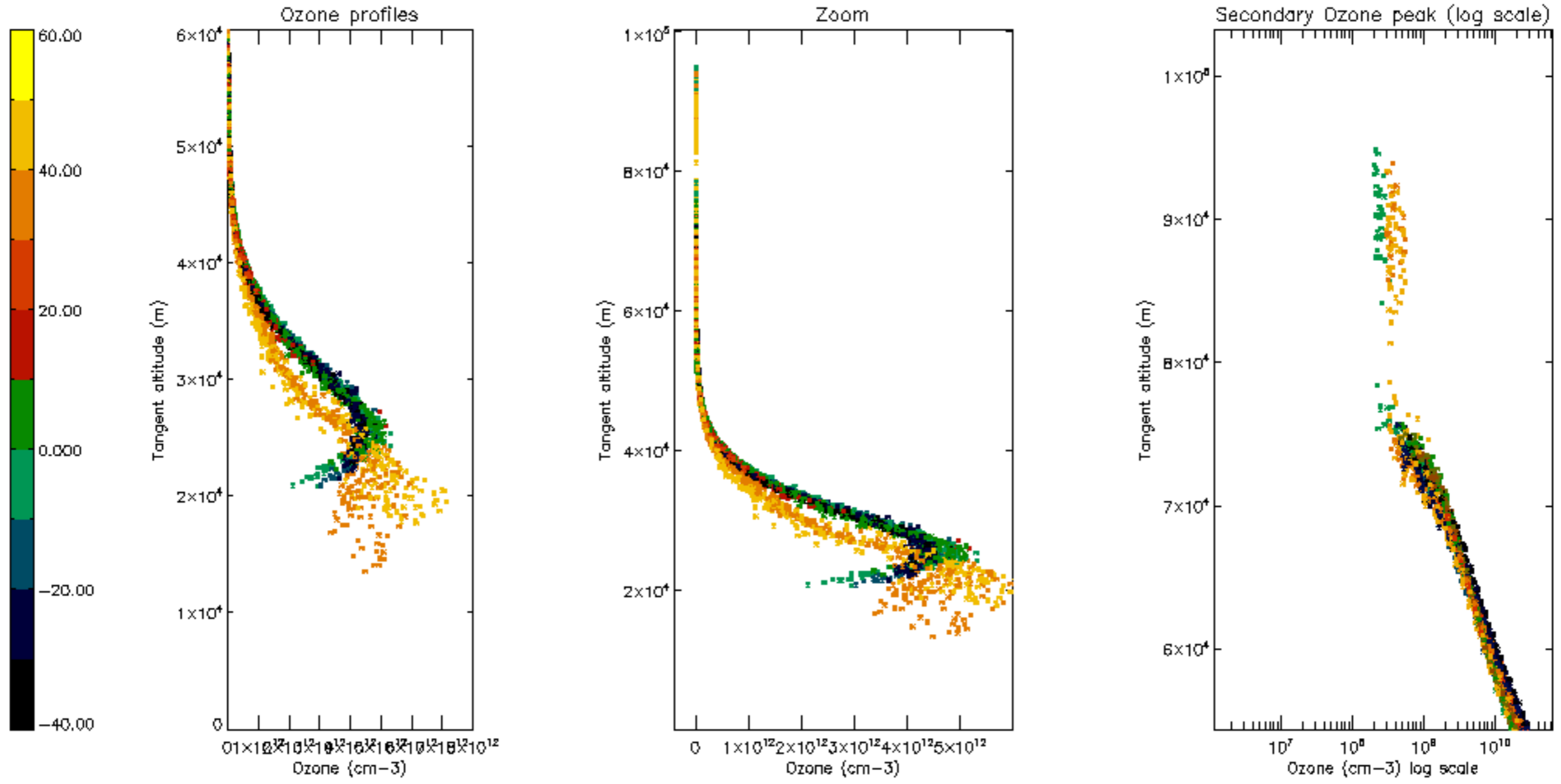
Percentage of saturation errors per profile

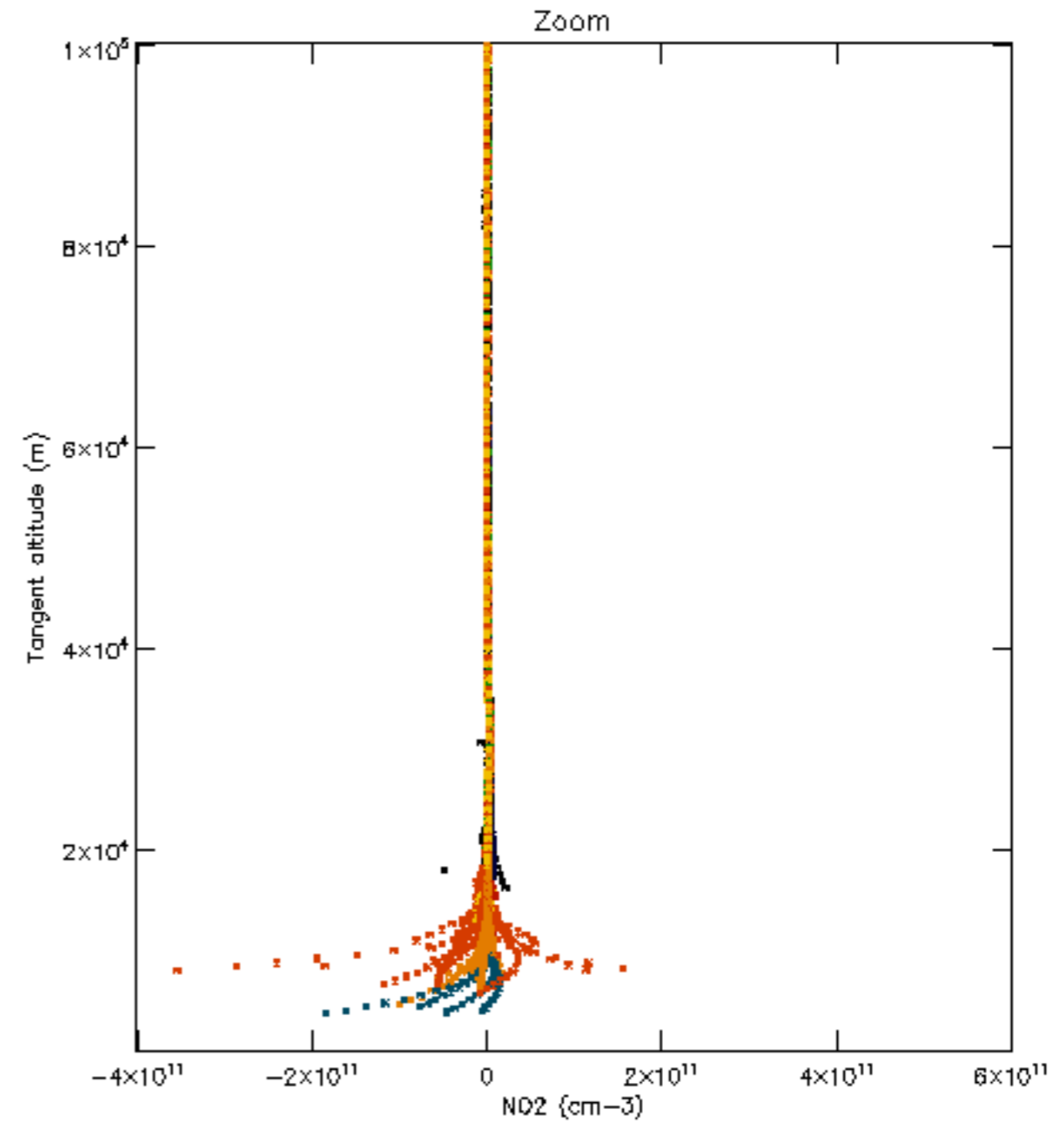
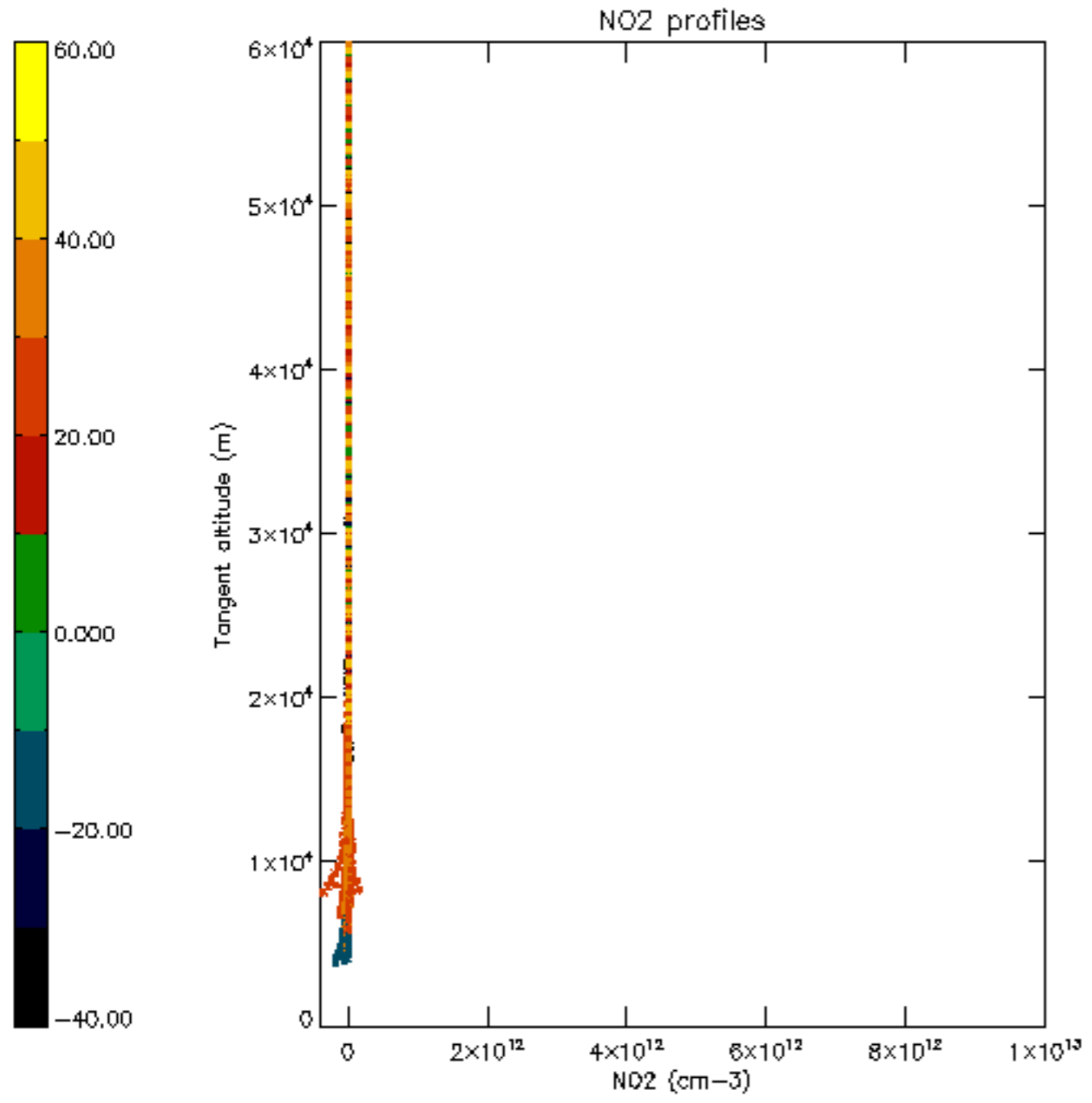


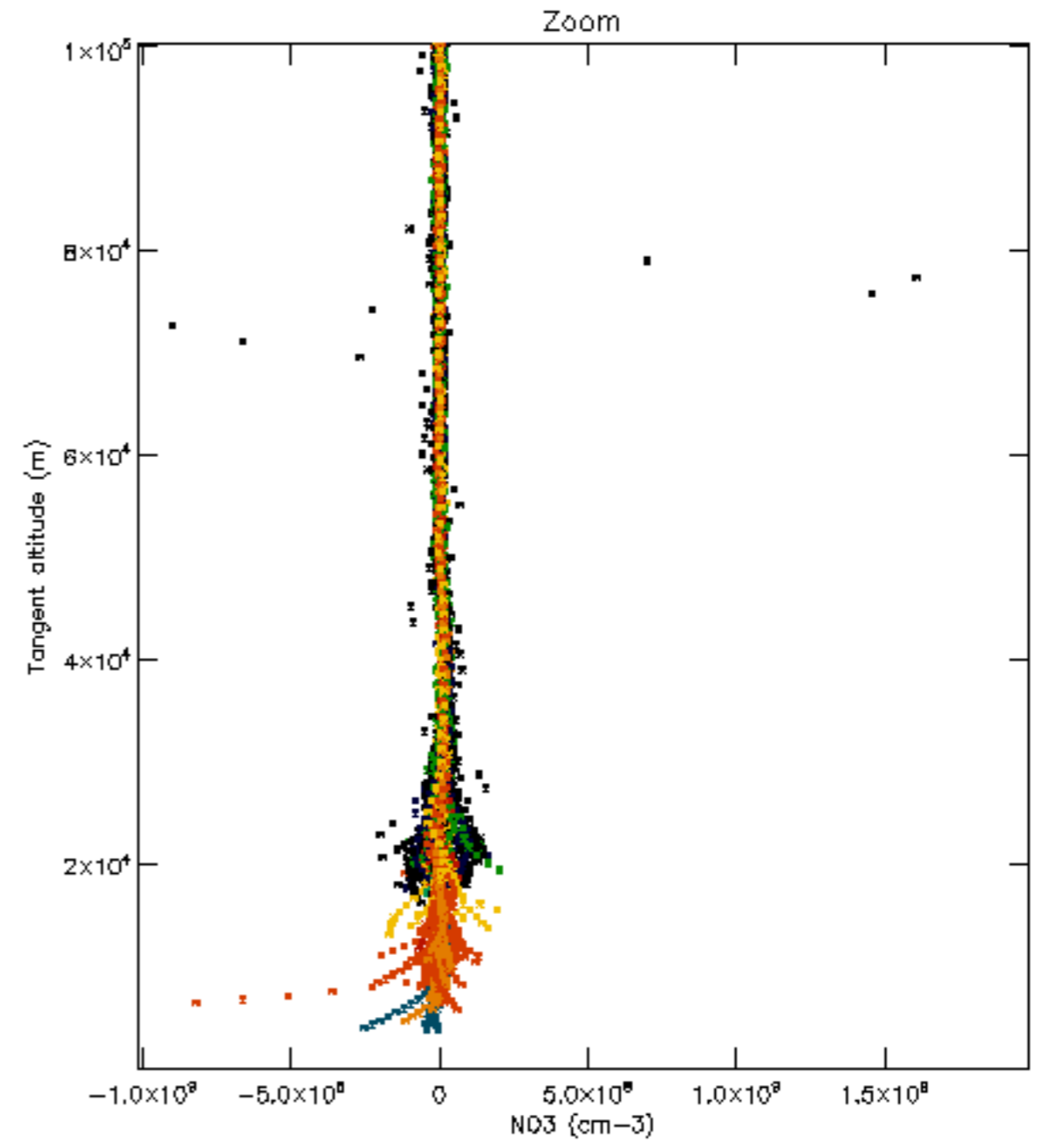
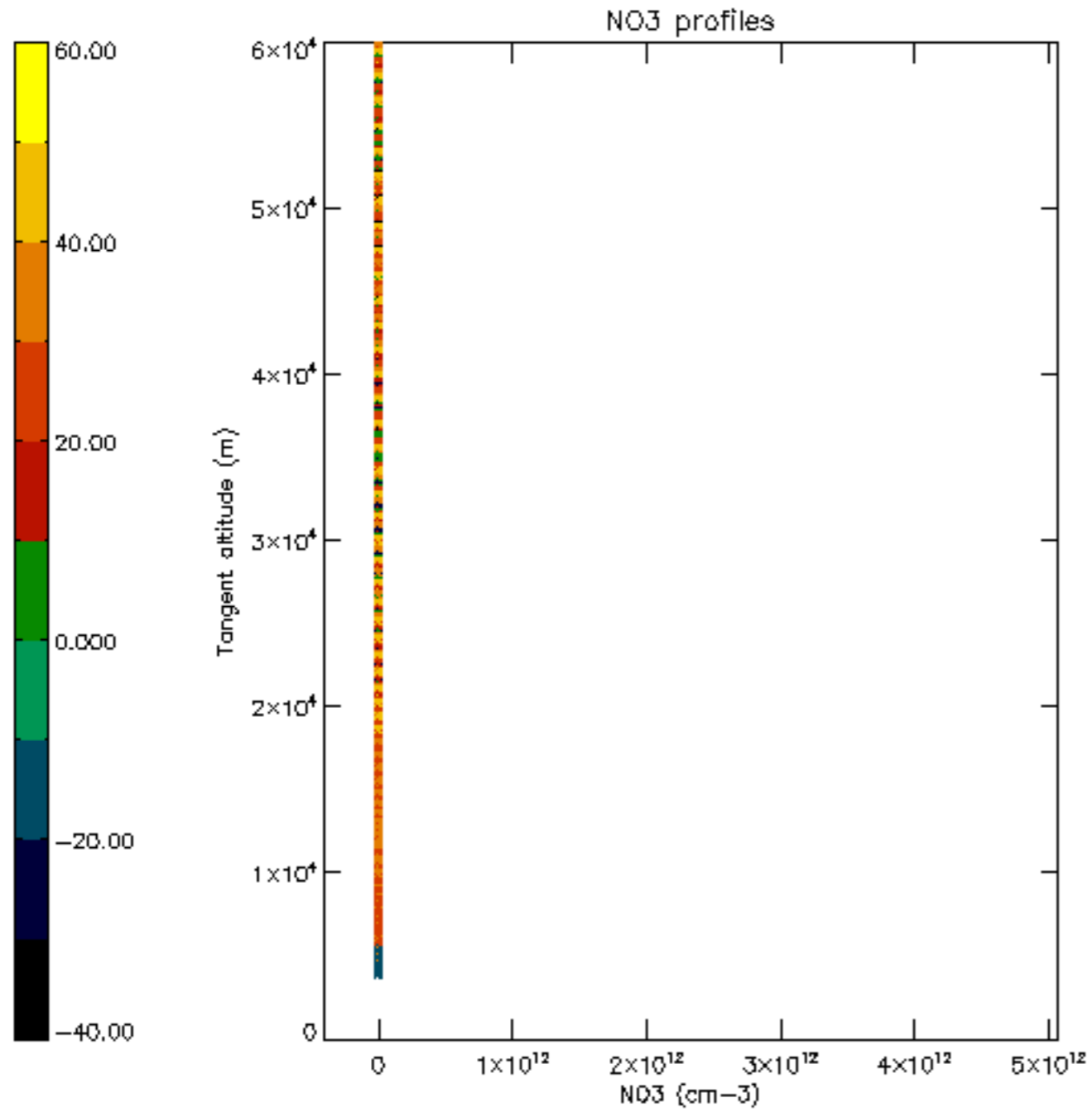


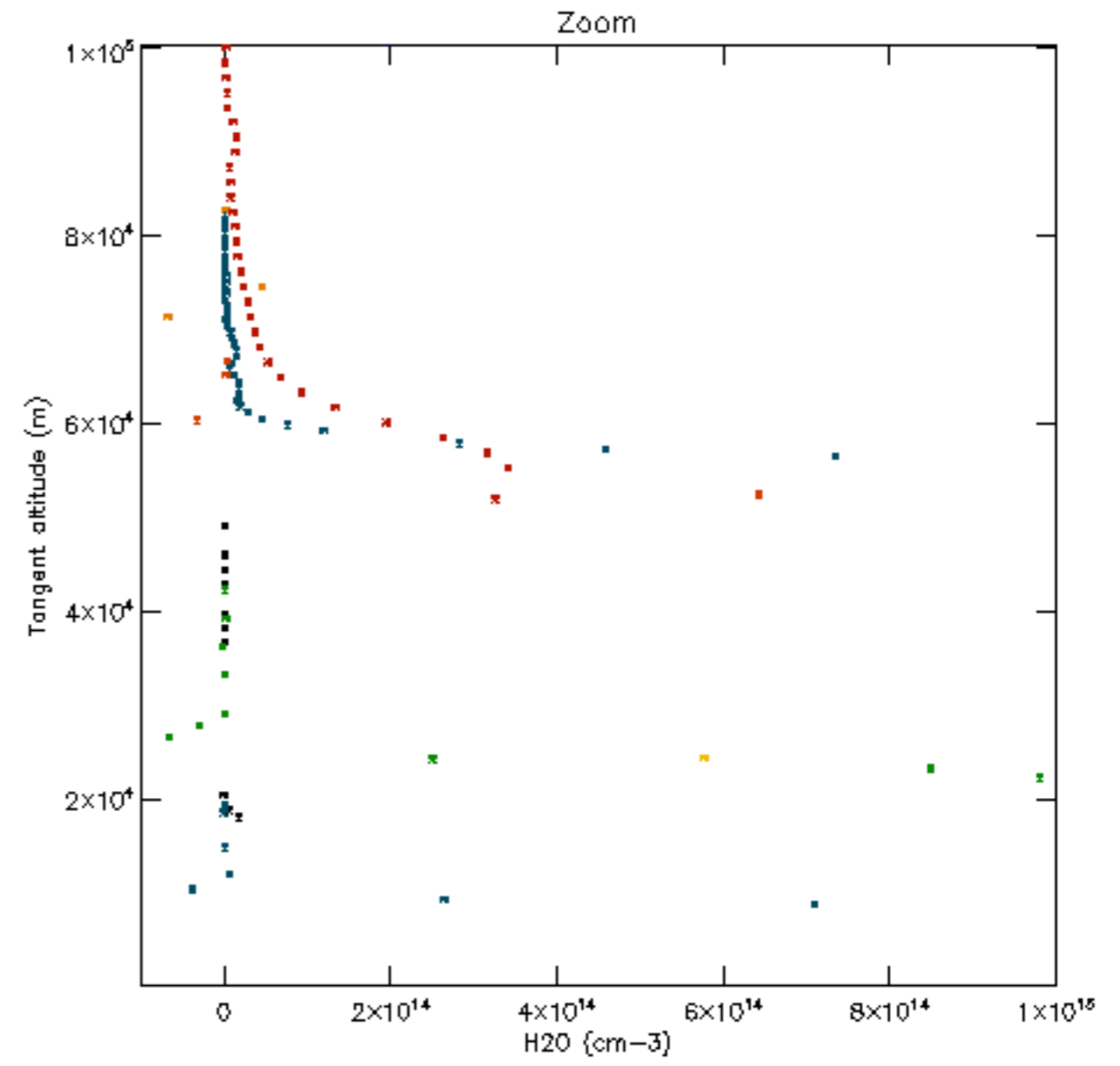
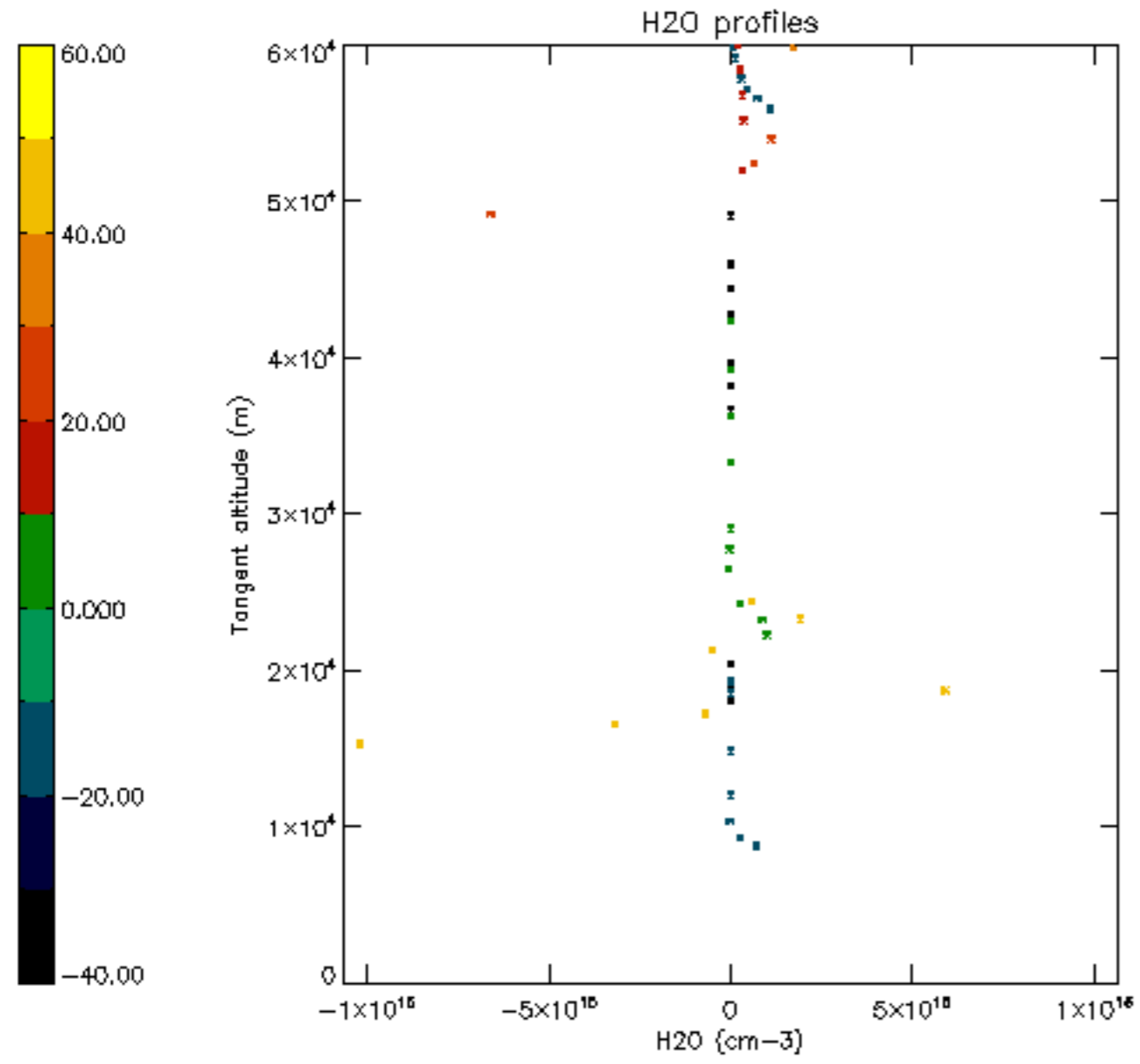


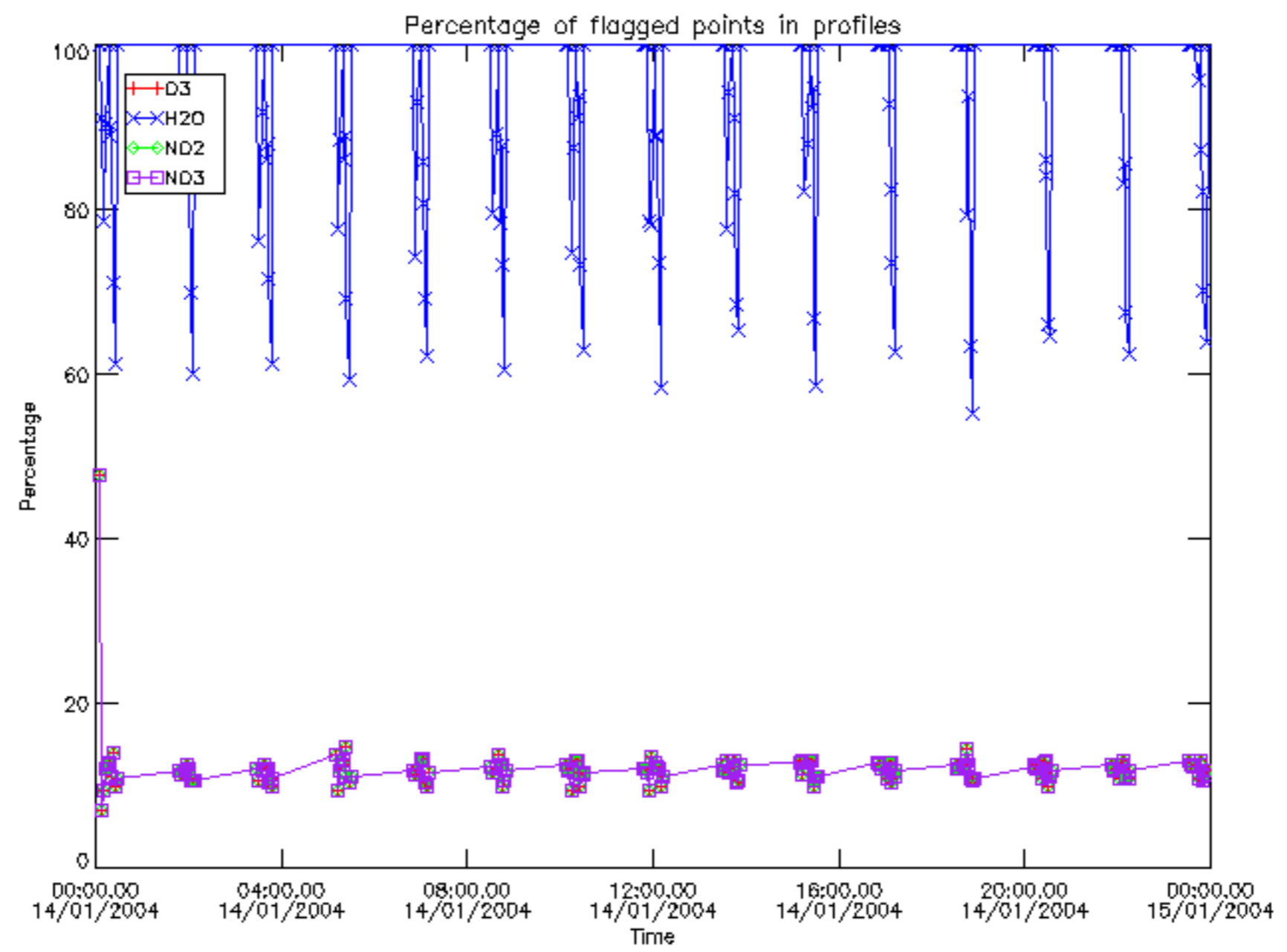




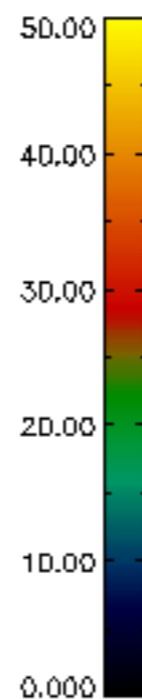
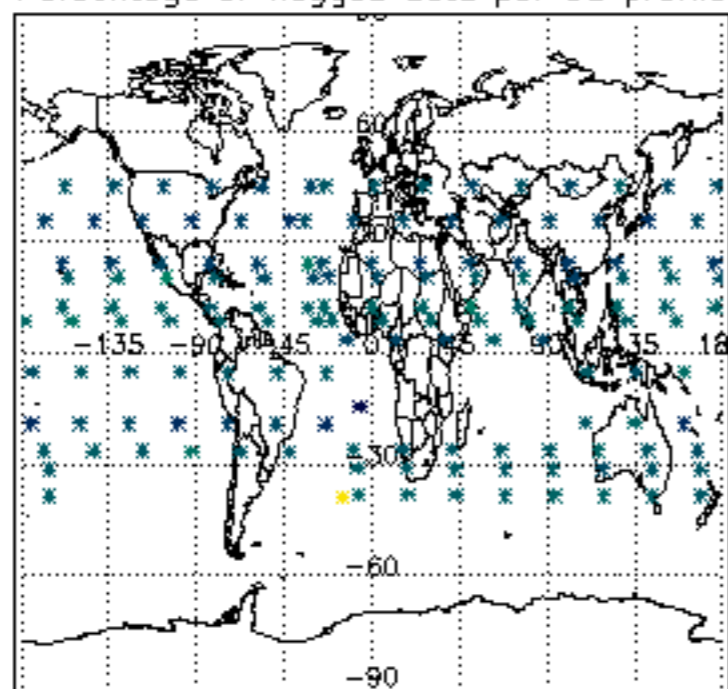




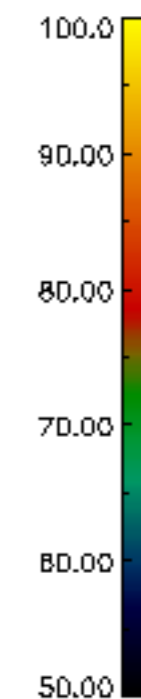
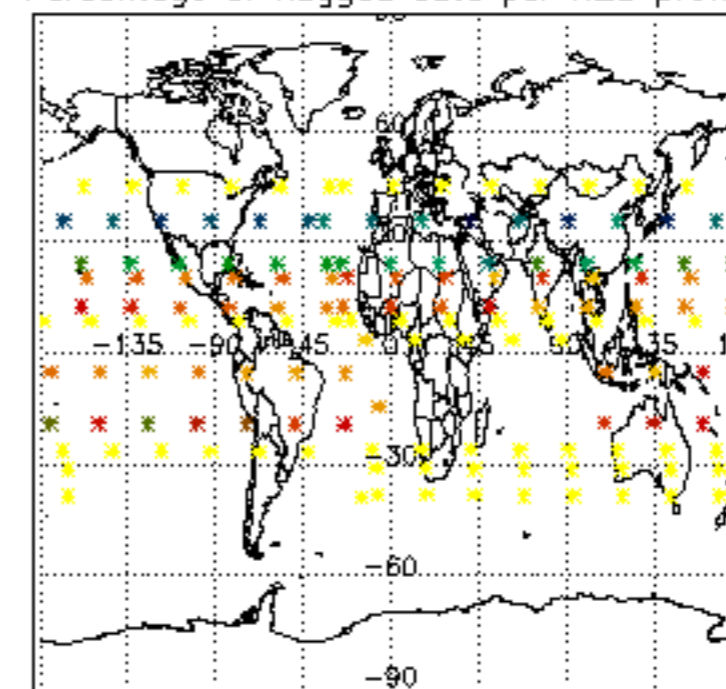




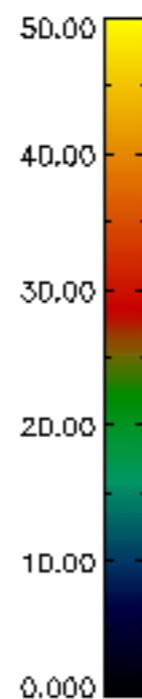
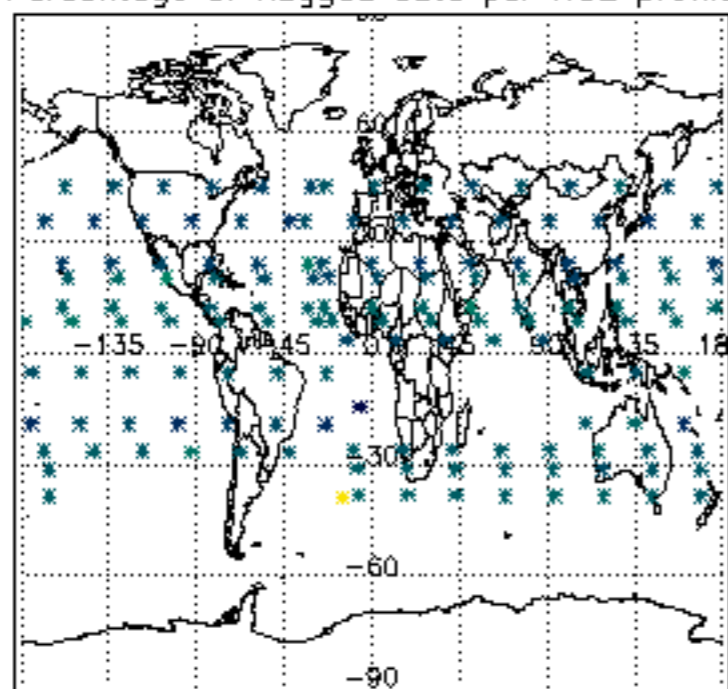
Percentage of flagged data per D3 profile



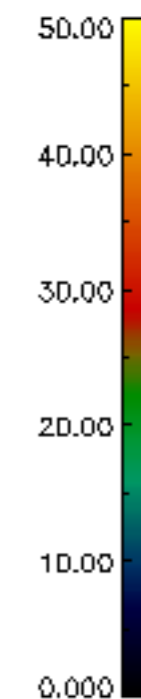
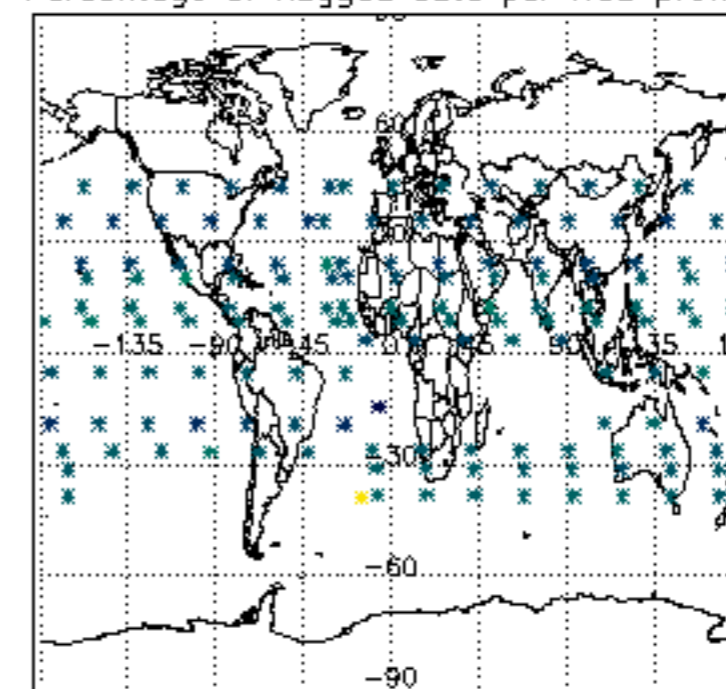
Percentage of flagged data per H2O profile

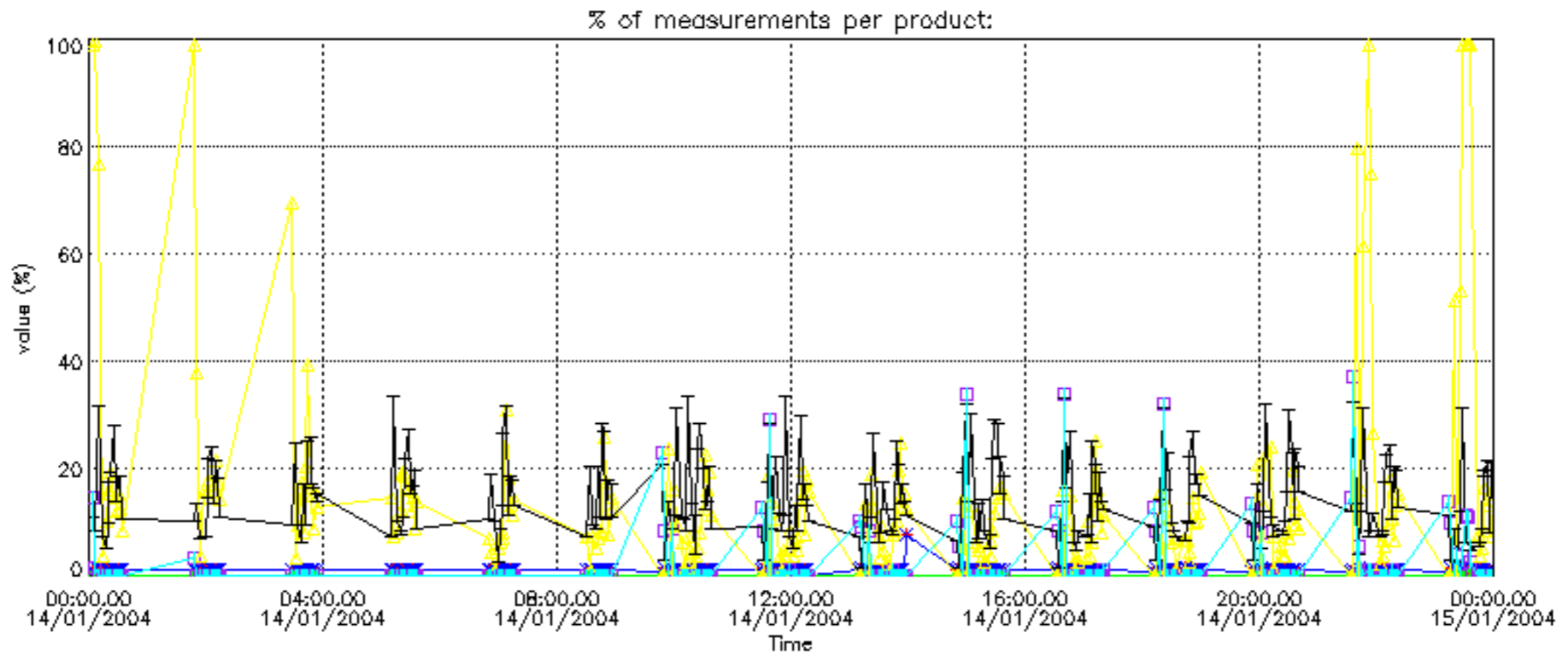


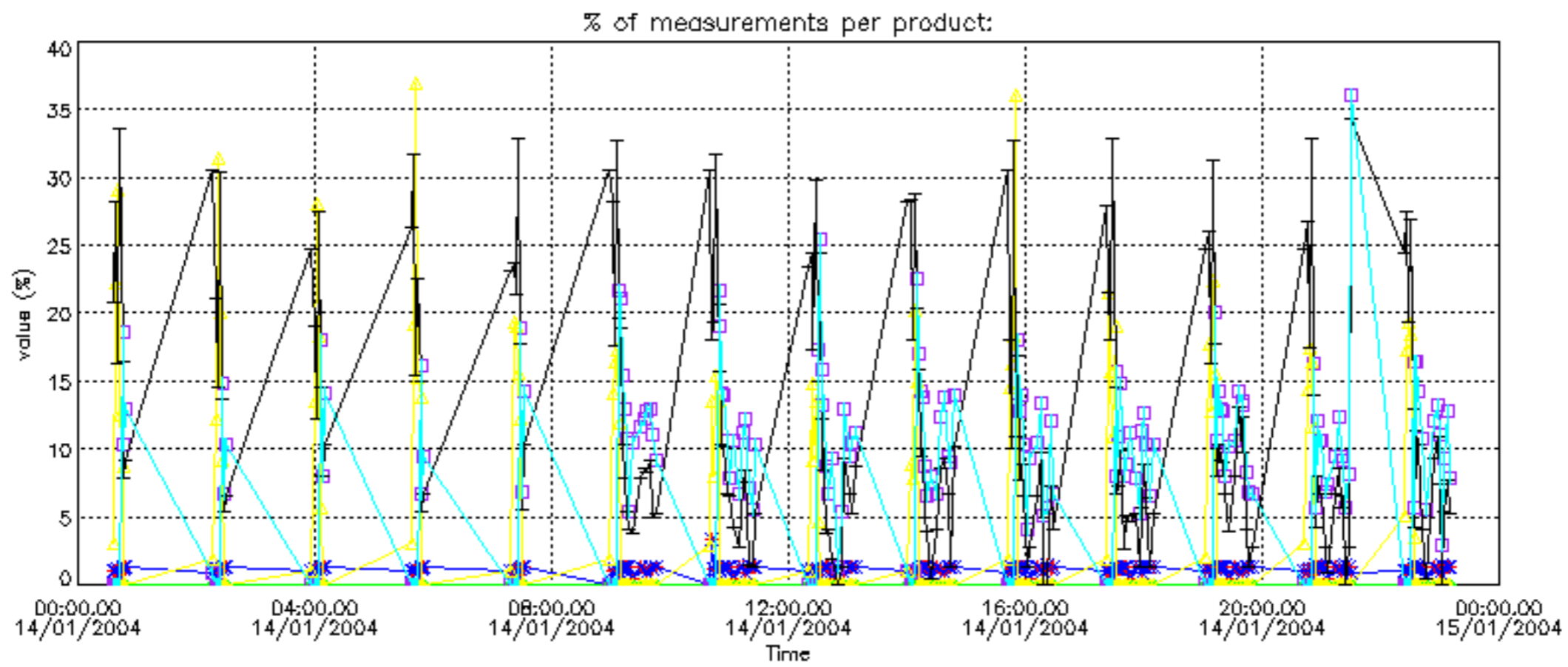
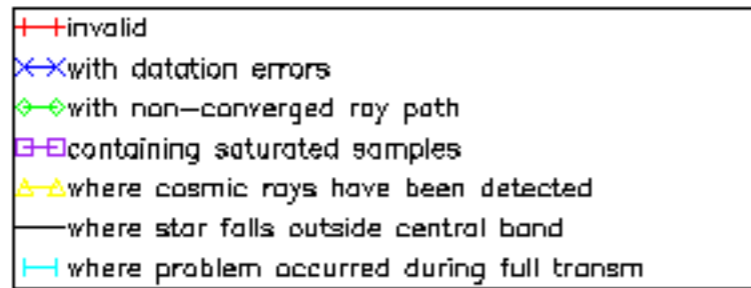
Percentage of flagged data per NO2 profile



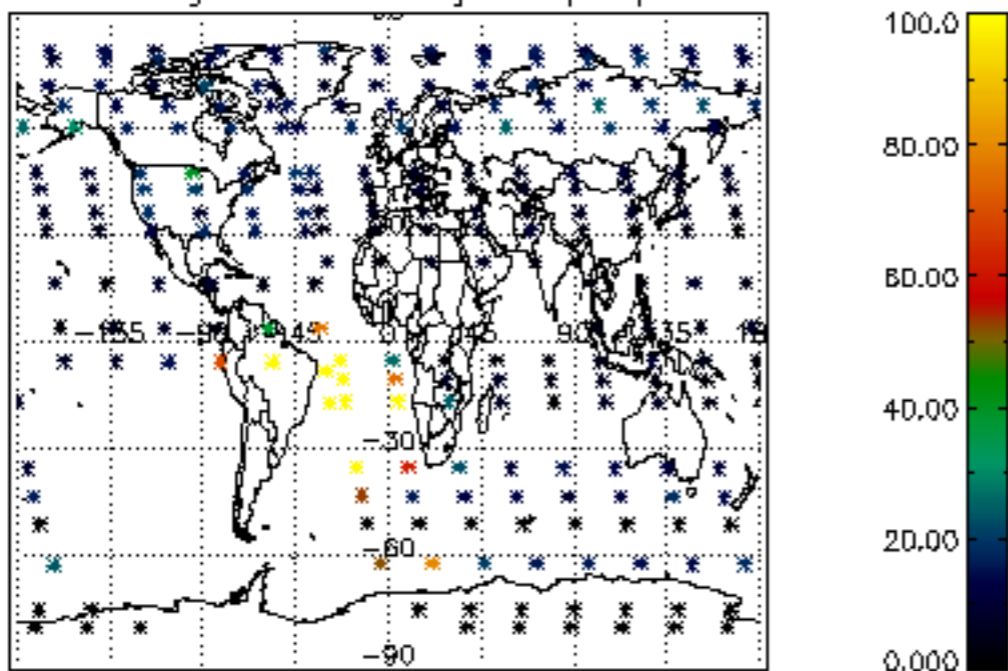
Percentage of flagged data per NO3 profile



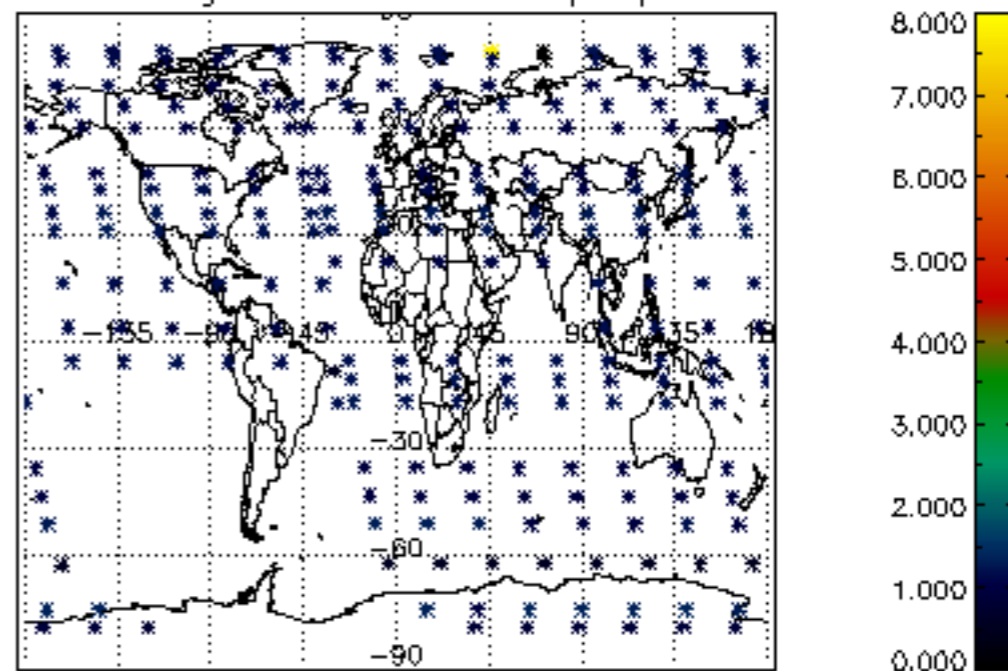




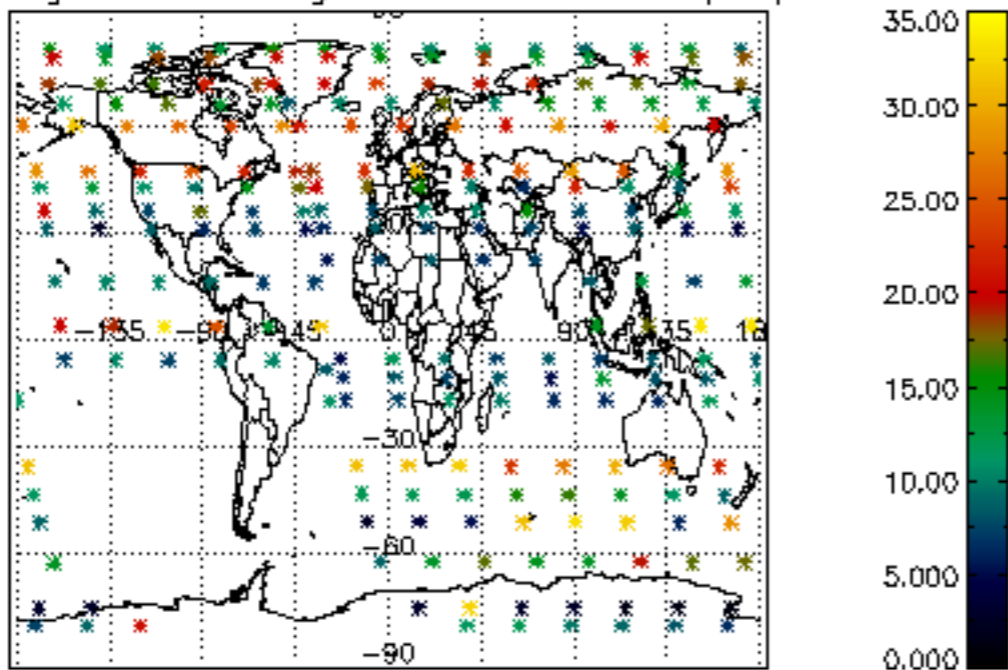
Percentage of cosmic ray hits per profile



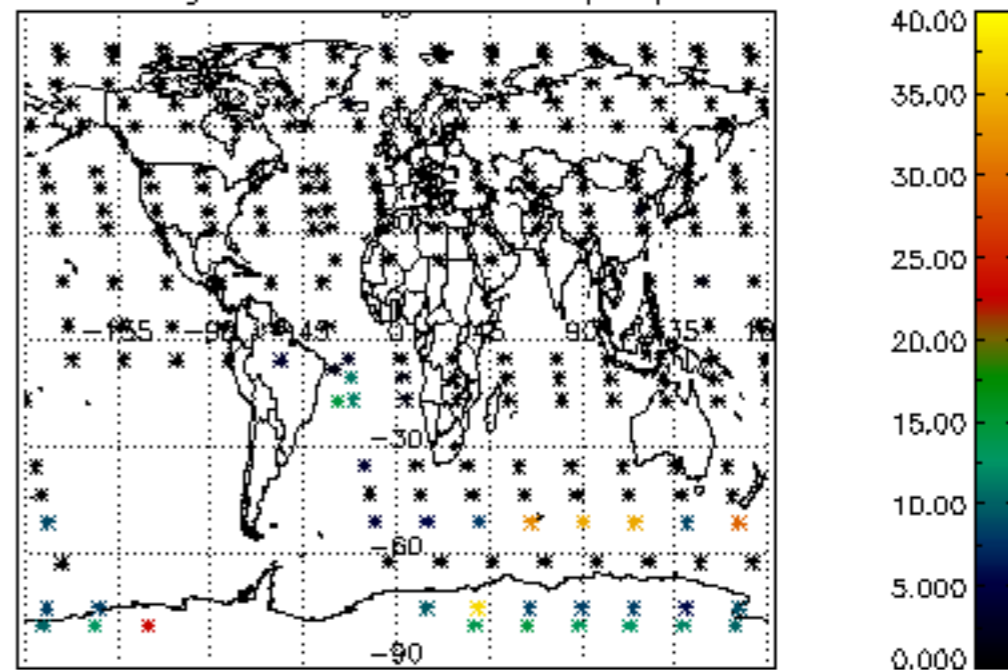
Percentage of datation errors per profile



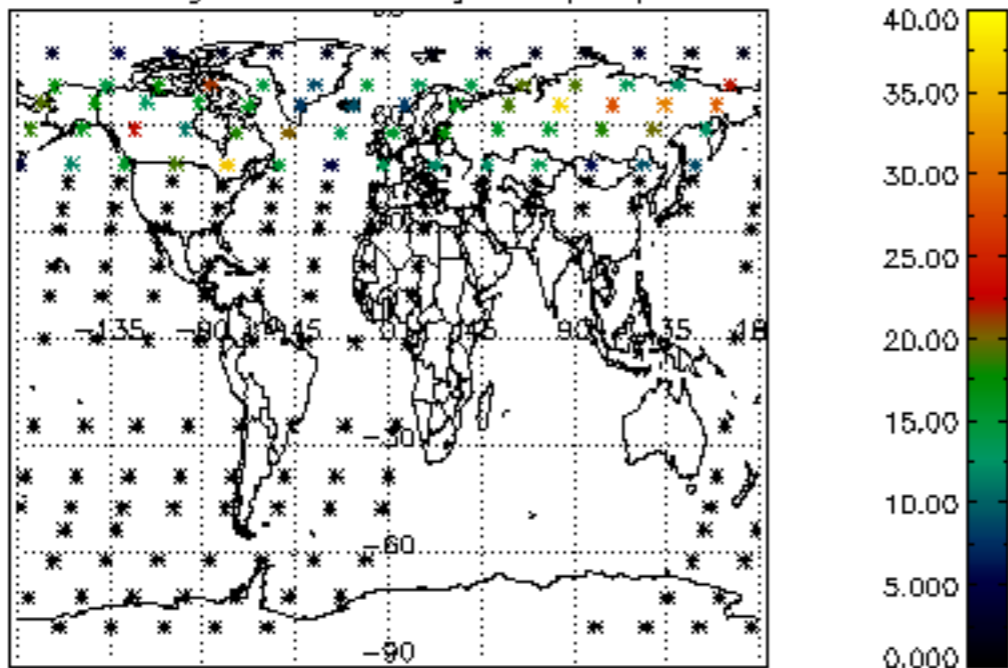
Percentage of star falling outside central band per profile



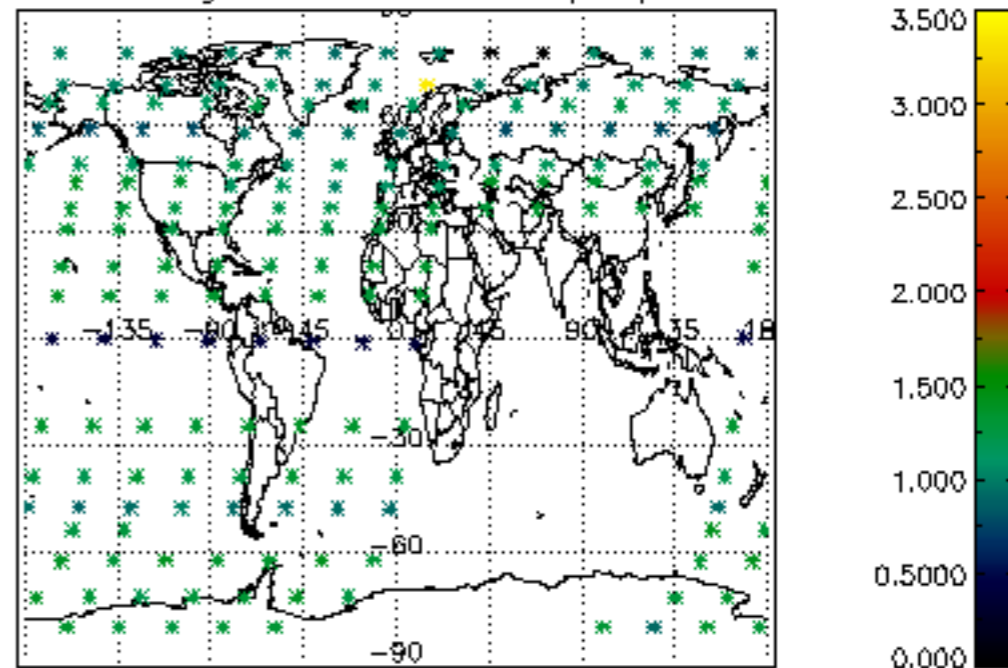
Percentage of saturation errors per profile



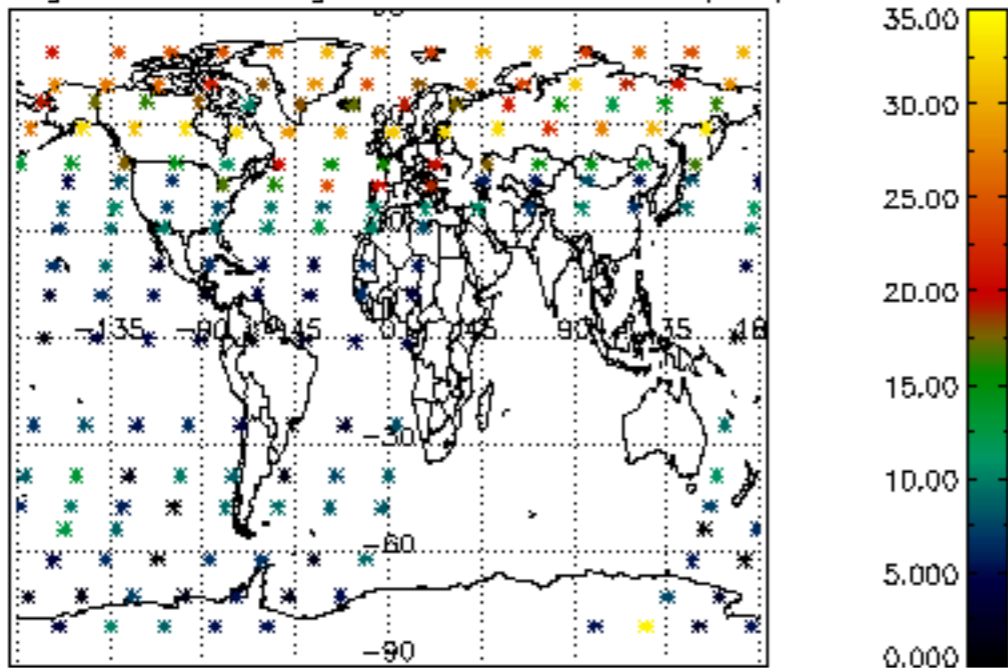
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

