

GOMOS Level 2 Daily Report

SUMMARY

[1. General Info](#)

[2. Summary of processed GOM_NL_2P products](#)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Item	Value
Time of report generation	18APR2013 17:55:09
Data source version	GOMOS/6.01
Start time of products	22-01-2004 (22JAN2004 00:00:00)
Stop time of products	23-01-2004 (23JAN2004 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	521
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__2PRFIN20040122_010415_000000482023_00332_09905_0956.N1	22-JAN-2004 01:04:15	Dark	47.500	12	Alp1Cru	0.77500	30000.	95	9905	No
2	GOM_NL__2PRFIN20040122_010830_000000392023_00332_09905_0957.N1	22-JAN-2004 01:08:30	Dark	39.000	29	Bet Car	1.6720	10200.	78	9905	No
3	GOM_NL__2PRFIN20040122_011036_000000432023_00332_09905_0958.N1	22-JAN-2004 01:10:36	Dark	42.500	71	lot Car	2.2460	7700.0	85	9905	No
4	GOM_NL__2PRFIN20040122_011225_000000452023_00332_09905_0959.N1	22-JAN-2004 01:12:25	Dark	44.500	46	Del Vel	1.9540	10600.	89	9905	No
5	GOM_NL__2PRFIN20040122_011503_000000522023_00332_09905_0960.N1	22-JAN-2004 01:15:03	Dark	52.000	2	Alp Car	-0.73600	7000.0	104	9905	No
6	GOM_NL__2PRFIN20040122_011712_000000412023_00332_09905_0961.N1	22-JAN-2004 01:17:12	Straylight	41.000	70	Zet Pup	2.2460	39000.	82	9905	No
7	GOM_NL__2PRFIN20040122_011843_000000482023_00332_09905_0962.N1	22-JAN-2004 01:18:43	Straylight	47.500	117	Pi Pup	2.7060	3800.0	95	9905	No
8	GOM_NL__2PRFIN20040122_012113_000000452023_00332_09905_0963.N1	22-JAN-2004 01:21:13	Straylight	44.500	23	21Eps CMa	1.5020	26000.	89	9905	No
9	GOM_NL__2PRFIN20040122_012235_000000432023_00332_09905_0964.N1	22-JAN-2004 01:22:35	Straylight	43.000	179	24Omi2CMa	3.0320	24000.	86	9905	No
10	GOM_NL__2PRFIN20040122_012448_000000492023_00332_09905_0965.N1	22-JAN-2004 01:24:48	Straylight	48.500	1	9Alp CMa	-1.4400	11000.	97	9905	No
11	GOM_NL__2PRFIN20040122_012716_000000852023_00332_09905_0966.N1	22-JAN-2004 01:27:16	Straylight	85.000	48	30Alp Hya	1.9770	4100.0	170	9905	No
12	GOM_NL__2PRFIN20040122_013106_000000582023_00332_09905_0967.N1	22-JAN-2004 01:31:06	Twilight	58.000	8	10Alp CMi	0.40000	6500.0	116	9905	No
13	GOM_NL__2PRFIN20040122_013413_000000502023_00332_09905_0968.N1	22-JAN-2004 01:34:13	Bright	49.500	44	24Gam Gem	1.9280	11000.	99	9905	No
14	GOM_NL__2PRFIN20040122_013558_000000422023_00332_09905_0969.N1	22-JAN-2004 01:35:58	Bright	41.500	151	13Mu Gem	2.8900	3000.0	83	9905	No
15	GOM_NL__2PRFIN20040122_013805_000000422023_00332_09905_0970.N1	22-JAN-2004 01:38:05	Bright	41.500	28	12Bet Tau	1.6500	15200.	83	9905	No
16	GOM_NL__2PRFIN20040122_014009_000000382023_00332_09905_0971.N1	22-JAN-2004 01:40:09	Bright	37.500	107	37The Aur	2.6490	11000.	75	9905	No
17	GOM_NL__2PRFIN20040122_014219_000000382023_00332_09905_0972.N1	22-JAN-2004 01:42:19	Bright	37.500	42	34Bet Aur	1.9000	10200.	75	9905	No
18	GOM_NL__2PRFIN20040122_014844_0000002372023_00332_09905_0973.N1	22-JAN-2004 01:48:44	Bright	236.50	51	41Gam1Leo	2.0100	4500.0	473	9905	No
19	GOM_NL__2PRFIN20040122_015452_000000362023_00332_09905_0974.N1	22-JAN-2004 01:54:52	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	9905	No
20	GOM_NL__2PRFIN20040122_015833_000000422023_00332_09905_0975.N1	22-JAN-2004 01:58:33	Bright	41.500	60	7Bet UMi	2.0810	3950.0	83	9905	No
21	GOM_NL__2PRFIN20040122_020013_000000552023_00332_09905_0976.N1	22-JAN-2004 02:00:13	Bright	55.000	32	77Eps UMa	1.7630	11000.	110	9905	No
22	GOM_NL__2PRFIN20040122_020302_000000402023_00332_09905_0977.N1	22-JAN-2004 02:03:02	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	9905	No
23	GOM_NL__2PRFIN20040122_020433_000000552023_00332_09905_0978.N1	22-JAN-2004 02:04:33	Bright	55.000	39	85Eta UMa	1.8540	24000.	110	9905	No
24	GOM_NL__2PRFIN20040122_020907_000000392023_00332_09905_0979.N1	22-JAN-2004 02:09:07	Bright	38.500	5	3Alp Lyr	0.033000	11000.	77	9905	No
25	GOM_NL__2PRFIN20040122_021212_000000402023_00332_09905_0980.N1	22-JAN-2004 02:12:12	Bright	40.000	133	40Zet Her	2.8070	6000.0	80	9905	No
26	GOM_NL__2PRFIN20040122_021522_000000692023_00332_09905_0981.N1	22-JAN-2004 02:15:22	Bright	68.500	83		2.3780	11000.	137	9905	No
27	GOM_NL__2PRFIN20040122_021913_000000362023_00332_09905_0982.N1	22-JAN-2004 02:19:13	Bright	36.000	126	60Bet Oph	2.7700	4250.0	72	9905	No
28	GOM_NL__2PRFIN20040122_022057_000001132023_00332_09905_0983.N1	22-JAN-2004 02:20:57	Twilight	112.50	3	16Alp Boo	-0.050000	4250.0	225	9905	No
29	GOM_NL__2PRFIN20040122_022355_000001792023_00332_09905_0984.N1	22-JAN-2004 02:23:55	Straylight	178.50	111	8Eta Boo	2.6800	6000.0	357	9905	No
30	GOM_NL__2PRFIN20040122_022911_000000522023_00332_09905_0985.N1	22-JAN-2004 02:29:11	Twilight	51.500	16	21Alp Sco	1.0200	3000.0	103	9905	No
31	GOM_NL__2PRFIN20040122_023043_000000432023_00332_09905_0986.N1	22-JAN-2004 02:30:43	Twilight	42.500	75	26Eps Sco	2.2910	4250.0	85	9905	No
32	GOM_NL__2PRFIN20040122_023440_000000412023_00332_09905_0987.N1	22-JAN-2004 02:34:40	Dark	41.000	131	Gam Lup	2.8000	26000.	82	9905	No
33	GOM_NL__2PRFIN20040122_023636_000000452023_00332_09905_0988.N1	22-JAN-2004 02:36:36	Dark	45.000	109	Bet Lup	2.6770	26000.	90	9905	No
34	GOM_NL__2PRFIN20040122_023806_000000432023_00332_09905_0989.N1	22-JAN-2004 02:38:06	Dark	43.000	78	Alp Lup	2.3040	28000.	86	9905	No
35	GOM_NL__2PRFIN20040122_024021_000000432023_00333_09906_0956.N1	22-JAN-2004 02:40:21	Dark	42.500	4	Alp1Cen	-0.010000	5800.0	85	9906	No
36	GOM_NL__2PRFIN20040122_024139_000000432023_00333_09906_0957.N1	22-JAN-2004 02:41:39	Dark	42.500	77	Eps Cen	2.3030	28000.	85	9906	No
37	GOM_NL__2PRFIN20040122_024452_000000412023_00333_09906_0958.N1	22-JAN-2004 02:44:52	Dark	41.000	12	Alp1Cru	0.77500	30000.	82	9906	No
38	GOM_NL__2PRFIN20040122_024906_000000382023_00333_09906_0959.N1	22-JAN-2004 02:49:06	Dark	37.500	29	Bet Car	1.6720	10200.	75	9906	No
39	GOM_NL__2PRFIN20040122_025112_000000432023_00333_09906_0960.N1	22-JAN-2004 02:51:12	Dark	42.500	71	lot Car	2.2460	7700.0	85	9906	No
40	GOM_NL__2PRFIN20040122_025302_000000432023_00333_09906_0961.N1	22-JAN-2004 02:53:02	Dark	43.000	46	Del Vel	1.9540	10600.	86	9906	No
41	GOM_NL__2PRFIN20040122_025539_000000522023_00333_09906_0962.N1	22-JAN-2004 02:55:39	Dark	52.000	2	Alp Car	-0.73600	7000.0	104	9906	No
42	GOM_NL__2PRFIN20040122_025748_000000452023_00333_09906_0963.N1	22-JAN-2004 02:57:48	Straylight	44.500	70	Zet Pup	2.2460	39000.	89	9906	No

397	GOM_NL__2PRFIN20040122_184431_000000402023_00342_09915_1006.N1	22-JAN-2004 18:44:31	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	9915	No
398	GOM_NL__2PRFIN20040122_184604_000000562023_00342_09915_1007.N1	22-JAN-2004 18:46:04	Bright	56.000	32	77Eps UMa	1.7630	11000.	112	9915	No
399	GOM_NL__2PRFIN20040122_184901_000000412023_00342_09915_1008.N1	22-JAN-2004 18:49:01	Bright	41.000	119	14Eta Dra	2.7270	4700.0	82	9915	No
400	GOM_NL__2PRFIN20040122_185150_000000372023_00342_09915_1009.N1	22-JAN-2004 18:51:50	Bright	36.500	130	23Bet Dra	2.7990	5800.0	73	9915	No
401	GOM_NL__2PRFIN20040122_185509_000000352023_00342_09915_1010.N1	22-JAN-2004 18:55:09	Bright	34.500	5	3Alp Lyr	0.033000	11000.	69	9915	No
402	GOM_NL__2PRFIN20040122_185814_000000402023_00342_09915_1011.N1	22-JAN-2004 18:58:14	Bright	39.500	133	40Zet Her	2.8070	6000.0	79	9915	No
403	GOM_NL__2PRFIN20040122_190125_000000722023_00342_09915_1012.N1	22-JAN-2004 19:01:25	Bright	72.000	83		2.3780	11000.	144	9915	No
404	GOM_NL__2PRFIN20040122_190515_000000362023_00342_09915_1013.N1	22-JAN-2004 19:05:15	Bright	36.000	126	60Bet Oph	2.7700	4250.0	72	9915	No
405	GOM_NL__2PRFIN20040122_190710_000001252023_00342_09915_1014.N1	22-JAN-2004 19:07:10	Twilight	124.50	3	16Alp Boo	-0.050000	4250.0	249	9915	No
406	GOM_NL__2PRFIN20040122_191047_000000452023_00342_09915_1015.N1	22-JAN-2004 19:10:47	Bright	44.500	98	13Zet Oph	2.5710	30000.	89	9915	No
407	GOM_NL__2PRFIN20040122_191516_000000482023_00342_09915_1016.N1	22-JAN-2004 19:15:16	Twilight	47.500	16	21Alp Sco	1.0200	3000.0	95	9915	No
408	GOM_NL__2PRFIN20040122_191653_000000392023_00342_09915_1017.N1	22-JAN-2004 19:16:53	Twilight	39.000	115	34Ups Sco	2.6960	26000.	78	9915	No
409	GOM_NL__2PRFIN20040122_191821_000000412023_00342_09915_1018.N1	22-JAN-2004 19:18:21	Dark	41.000	40	The Sco	1.8590	7100.0	82	9915	No
410	GOM_NL__2PRFIN20040122_192046_000000442023_00342_09915_1019.N1	22-JAN-2004 19:20:46	Dark	43.500	131	Gam Lup	2.8000	26000.	87	9915	No
411	GOM_NL__2PRFIN20040122_192244_000000432023_00342_09915_1020.N1	22-JAN-2004 19:22:44	Dark	42.500	109	Bet Lup	2.6770	26000.	85	9915	No
412	GOM_NL__2PRFIN20040122_192413_000000452023_00342_09915_1021.N1	22-JAN-2004 19:24:13	Dark	44.500	78	Alp Lup	2.3040	28000.	89	9915	No
413	GOM_NL__2PRFIN20040122_192626_000000422023_00343_09916_0984.N1	22-JAN-2004 19:26:26	Dark	41.500	4	Alp1Cen	-0.010000	5800.0	83	9916	No
414	GOM_NL__2PRFIN20040122_192747_000000442023_00343_09916_0985.N1	22-JAN-2004 19:27:47	Dark	43.500	77	Eps Cen	2.3030	28000.	87	9916	No
415	GOM_NL__2PRFIN20040122_193057_000000422023_00343_09916_0986.N1	22-JAN-2004 19:30:57	Dark	41.500	12	Alp1Cru	0.77500	30000.	83	9916	No
416	GOM_NL__2PRFIN20040122_193220_000000472023_00343_09916_0987.N1	22-JAN-2004 19:32:20	Dark	46.500	99	Del Cen	2.5750	26000.	93	9916	No
417	GOM_NL__2PRFIN20040122_193509_000000392023_00343_09916_0988.N1	22-JAN-2004 19:35:09	Dark	38.500	29	Bet Car	1.6720	10200.	77	9916	No
418	GOM_NL__2PRFIN20040122_193717_000000402023_00343_09916_0989.N1	22-JAN-2004 19:37:17	Dark	39.500	71	lot Car	2.2460	7700.0	79	9916	No
419	GOM_NL__2PRFIN20040122_193906_000000402023_00343_09916_0990.N1	22-JAN-2004 19:39:06	Dark	40.000	46	Del Vel	1.9540	10600.	80	9916	No
420	GOM_NL__2PRFIN20040122_194141_000000482023_00343_09916_0991.N1	22-JAN-2004 19:41:41	Dark	47.500	2	Alp Car	-0.73600	7000.0	95	9916	No
421	GOM_NL__2PRFIN20040122_194351_000000442023_00343_09916_0992.N1	22-JAN-2004 19:43:51	Straylight	43.500	70	Zet Pup	2.2460	39000.	87	9916	No
422	GOM_NL__2PRFIN20040122_194523_000000442023_00343_09916_0993.N1	22-JAN-2004 19:45:23	Straylight	44.000	117	Pi Pup	2.7060	3800.0	88	9916	No
423	GOM_NL__2PRFIN20040122_194752_000000432023_00343_09916_0994.N1	22-JAN-2004 19:47:52	Straylight	43.000	23	21Eps CMa	1.5020	26000.	86	9916	No
424	GOM_NL__2PRFIN20040122_194916_000000402023_00343_09916_0995.N1	22-JAN-2004 19:49:16	Straylight	39.500	179	24Omi2CMa	3.0320	24000.	79	9916	No
425	GOM_NL__2PRFIN20040122_195126_000000482023_00343_09916_0996.N1	22-JAN-2004 19:51:26	Straylight	48.000	1	9Alp CMa	-1.4400	11000.	96	9916	No
426	GOM_NL__2PRFIN20040122_195359_000000422023_00343_09916_0997.N1	22-JAN-2004 19:53:59	Straylight	41.500	56	53Kap Ori	2.0650	30000.	83	9916	No
427	GOM_NL__2PRFIN20040122_195511_000000402023_00343_09916_0998.N1	22-JAN-2004 19:55:11	Twilight	40.000	125	44lot Ori	2.7700	30000.	80	9916	No
428	GOM_NL__2PRFIN20040122_195629_000000452023_00343_09916_0999.N1	22-JAN-2004 19:56:29	Twilight	45.000	30	46Eps Ori	1.6940	30000.	90	9916	No
429	GOM_NL__2PRFIN20040122_195836_000000512023_00343_09916_1000.N1	22-JAN-2004 19:58:36	Twilight	51.000	14	58Alp Ori	0.87000	3000.0	102	9916	No
430	GOM_NL__2PRFIN20040122_200050_000000522023_00343_09916_1001.N1	22-JAN-2004 20:00:50	Bright	52.000	44	24Gam Gem	1.9280	11000.	104	9916	No
431	GOM_NL__2PRFIN20040122_200235_000000392023_00343_09916_1002.N1	22-JAN-2004 20:02:35	Bright	39.000	151	13Mu Gem	2.8900	3000.0	78	9916	No
432	GOM_NL__2PRFIN20040122_200447_000000392023_00343_09916_1003.N1	22-JAN-2004 20:04:47	Bright	38.500	28	12Bet Tau	1.6500	15200.	77	9916	No
433	GOM_NL__2PRFIN20040122_200648_000000372023_00343_09916_1004.N1	22-JAN-2004 20:06:48	Bright	36.500	107	37The Aur	2.6490	11000.	73	9916	No
434	GOM_NL__2PRFIN20040122_200857_000000382023_00343_09916_1005.N1	22-JAN-2004 20:08:57	Bright	37.500	42	34Bet Aur	1.9000	10200.	75	9916	No
435	GOM_NL__2PRFIN20040122_201426_000001862023_00343_09916_1006.N1	22-JAN-2004 20:14:26	Bright	185.50	51	41Gam1Leo	2.0100	4500.0	371	9916	No
436	GOM_NL__2PRFIN20040122_202129_000000392023_00343_09916_1007.N1	22-JAN-2004 20:21:29	Bright	38.500	49	1Alp UMi	1.9900	6300.0	77	9916	No
437	GOM_NL__2PRFIN20040122_202507_000000412023_00343_09916_1008.N1	22-JAN-2004 20:25:07	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	9916	No
438	GOM_NL__2PRFIN20040122_202640_000000562023_00343_09916_1009.N1	22-JAN-2004 20:26:40	Bright	56.000	32	77Eps UMa	1.7630	11000.	112	9916	No
439	GOM_NL__2PRFIN20040122_202937_000000402023_00343_09916_1010.N1	22-JAN-2004 20:29:37	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	9916	No
440	GOM_NL__2PRFIN20040122_203227_000000372023_00343_09916_1011.N1	22-JAN-2004 20:32:27	Bright	36.500	130	23Bet Dra	2.7990	5800.0	73	9916	No
441	GOM_NL__2PRFIN20040122_203546_000000352023_00343_09916_1012.N1	22-JAN-2004 20:35:46	Bright	34.500	5	3Alp Lyr	0.033000	11000.	69	9916	No
442	GOM_NL__2PRFIN20040122_203850_000000402023_00343_09916_1013.N1	22-JAN-2004 20:38:50	Bright	39.500	133	40Zet Her	2.8070	6000.0	79	9916	No
443	GOM_NL__2PRFIN20040122_204159_000000722023_00343_09916_1014.N1	22-JAN-2004 20:41:59	Bright	72.000	83		2.3780	11000.	144	9916	No
444	GOM_NL__2PRFIN20040122_204551_000000372023_00343_09916_1015.N1	22-JAN-2004 20:45:51	Bright	36.500	126	60Bet Oph	2.7700	4250.0	73	9916	No
445	GOM_NL__2PRFIN20040122_204747_000001222023_00343_09916_1016.N1	22-JAN-2004 20:47:47	Twilight	121.50	3	16Alp Boo	-0.050000	4250.0	243	9916	No
446	GOM_NL__2PRFIN20040122_205123_000000442023_00343_09916_1017.N1	22-JAN-2004 20:51:23	Bright	44.000	98	13Zet Oph	2.5710	30000.	88	9916	No
447	GOM_NL__2PRFIN20040122_205553_000000522023_00343_09916_1018.N1	22-JAN-2004 20:55:53	Twilight	52.000	16	21Alp Sco	1.0200	3000.0	104	9916	No
448	GOM_NL__2PRFIN20040122_205729_000000392023_00343_09916_1019.N1	22-JAN-2004 20:57:29	Twilight	39.000	115	34Ups Sco	2.6960	26000.	78	9916	No
449	GOM_NL__2PRFIN20040122_205857_000000422023_00343_09916_1020.N1	22-JAN-2004 20:58:57	Dark	42.000	40	The Sco	1.8590	7100.0	84	9916	No
450	GOM_NL__2PRFIN20040122_210123_000000412023_00343_09916_1021.N1	22-JAN-2004 21:01:23	Dark	41.000	131	Gam Lup	2.8000	26000.	82	9916	No
451	GOM_NL__2PRFIN20040122_210321_000000442023_00343_09916_1022.N1	22-JAN-2004 21:03:21	Dark	43.500	109	Bet Lup	2.6770	26000.	87	9916	No
452	GOM_NL__2PRFIN20040122_210450_000000432023_00343_09916_1023.N1	22-JAN-2004 21:04:50	Dark	43.000	78	Alp Lup	2.3040	28000.	86	9916	No
453	GOM_NL__2PRFIN20040122_210702_000000422023_00344_09917_0984.N1	22-JAN-2004 21:07:02	Dark	42.000	4	Alp1Cen	-0.010000	5800.0	84	9917	No
454	GOM_NL__2PRFIN20040122_210824_000000432023_00344_09917_0985.N1	22-JAN-2004 21:08:24	Dark	42.500	77	Eps Cen	2.3030	28000.	85	9917	No
455	GOM_NL__2PRFIN20040122_211134_000000422023_00344_09917_0986.N1	22-JAN-2004 21:11:34	Dark	42.000	12	Alp1Cru	0.77500	30000.	84	9917	No

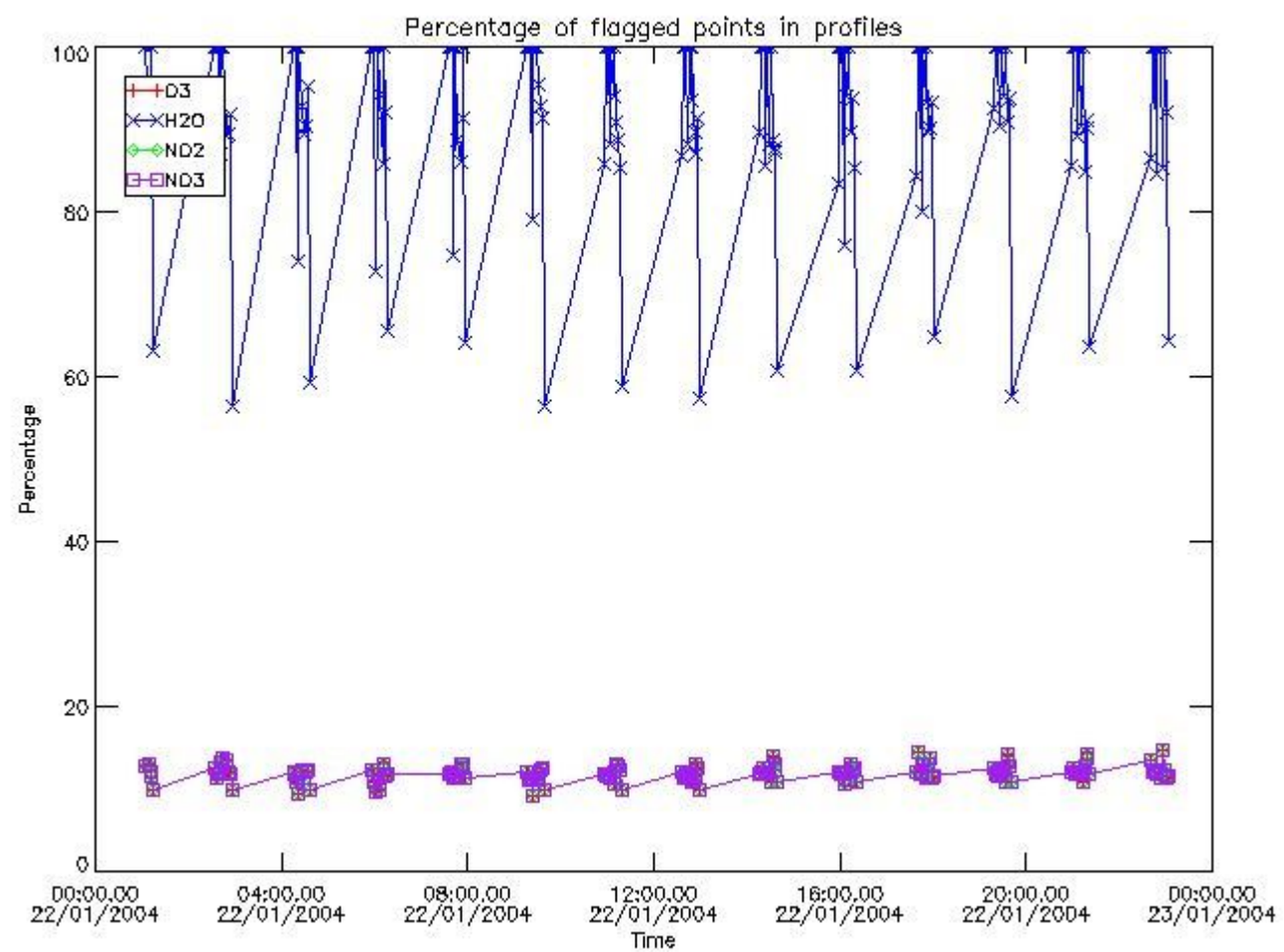
456	GOM_NL__2PRFIN20040122_211257_000000472023_00344_09917_0987.N1	22-JAN-2004 21:12:57	Dark	47.000	99	Del Cen	2.5750	26000.	94	9917	No
457	GOM_NL__2PRFIN20040122_211545_000000402023_00344_09917_0988.N1	22-JAN-2004 21:15:45	Dark	40.000	29	Bet Car	1.6720	10200.	80	9917	No
458	GOM_NL__2PRFIN20040122_211753_000000412023_00344_09917_0989.N1	22-JAN-2004 21:17:53	Dark	41.000	71	lot Car	2.2460	7700.0	82	9917	No
459	GOM_NL__2PRFIN20040122_211942_000000402023_00344_09917_0990.N1	22-JAN-2004 21:19:42	Dark	39.500	46	Del Vel	1.9540	10600.	79	9917	No
460	GOM_NL__2PRFIN20040122_212217_000000432023_00344_09917_0991.N1	22-JAN-2004 21:22:17	Dark	43.000	2	Alp Car	-0.73600	7000.0	86	9917	No
461	GOM_NL__2PRFIN20040122_212428_000000432023_00344_09917_0992.N1	22-JAN-2004 21:24:28	Straylight	42.500	70	Zet Pup	2.2460	39000.	85	9917	No
462	GOM_NL__2PRFIN20040122_212559_000000452023_00344_09917_0993.N1	22-JAN-2004 21:25:59	Straylight	44.500	117	Pi Pup	2.7060	3800.0	89	9917	No
463	GOM_NL__2PRFIN20040122_212828_000000432023_00344_09917_0994.N1	22-JAN-2004 21:28:28	Straylight	42.500	23	21Eps CMa	1.5020	26000.	85	9917	No
464	GOM_NL__2PRFIN20040122_212952_000000412023_00344_09917_0995.N1	22-JAN-2004 21:29:52	Straylight	40.500	179	24Omi2CMa	3.0320	24000.	81	9917	No
465	GOM_NL__2PRFIN20040122_213202_000000472023_00344_09917_0996.N1	22-JAN-2004 21:32:02	Straylight	46.500	1	9Alp CMa	-1.4400	11000.	93	9917	No
466	GOM_NL__2PRFIN20040122_213435_000000422023_00344_09917_0997.N1	22-JAN-2004 21:34:35	Tw_i_and_stray	42.000	56	53Kap Ori	2.0650	30000.	84	9917	No
467	GOM_NL__2PRFIN20040122_213548_000000422023_00344_09917_0998.N1	22-JAN-2004 21:35:48	Tw_i_and_stray	41.500	125	44lot Ori	2.7700	30000.	83	9917	No
468	GOM_NL__2PRFIN20040122_213705_000000422023_00344_09917_0999.N1	22-JAN-2004 21:37:05	Tw_i_and_stray	42.000	30	46Eps Ori	1.6940	30000.	84	9917	No
469	GOM_NL__2PRFIN20040122_213912_000000522023_00344_09917_1000.N1	22-JAN-2004 21:39:12	Tw_i_and_stray	52.000	14	58Alp Ori	0.87000	3000.0	104	9917	No
470	GOM_NL__2PRFIN20040122_214126_000000522023_00344_09917_1001.N1	22-JAN-2004 21:41:26	Bright	52.000	44	24Gam Gem	1.9280	11000.	104	9917	No
471	GOM_NL__2PRFIN20040122_214311_000000422023_00344_09917_1002.N1	22-JAN-2004 21:43:11	Bright	41.500	151	13Mu Gem	2.8900	3000.0	83	9917	No
472	GOM_NL__2PRFIN20040122_214523_000000382023_00344_09917_1003.N1	22-JAN-2004 21:45:23	Bright	38.000	28	12Bet Tau	1.6500	15200.	76	9917	No
473	GOM_NL__2PRFIN20040122_214724_000000372023_00344_09917_1004.N1	22-JAN-2004 21:47:24	Bright	36.500	107	37The Aur	2.6490	11000.	73	9917	No
474	GOM_NL__2PRFIN20040122_214933_000000382023_00344_09917_1005.N1	22-JAN-2004 21:49:33	Bright	37.500	42	34Bet Aur	1.9000	10200.	75	9917	No
475	GOM_NL__2PRFIN20040122_215457_000001802023_00344_09917_1006.N1	22-JAN-2004 21:54:57	Bright	180.00	51	41Gam1Leo	2.0100	4500.0	360	9917	No
476	GOM_NL__2PRFIN20040122_220205_000000372023_00344_09917_1007.N1	22-JAN-2004 22:02:05	Bright	37.000	49	1Alp UMi	1.9900	6300.0	74	9917	No
477	GOM_NL__2PRFIN20040122_220543_000000412023_00344_09917_1008.N1	22-JAN-2004 22:05:43	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	9917	No
478	GOM_NL__2PRFIN20040122_220715_000000522023_00344_09917_1009.N1	22-JAN-2004 22:07:15	Bright	51.500	32	77Eps UMa	1.7630	11000.	103	9917	No
479	GOM_NL__2PRFIN20040122_221013_000000402023_00344_09917_1010.N1	22-JAN-2004 22:10:13	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	9917	No
480	GOM_NL__2PRFIN20040122_221302_000000372023_00344_09917_1011.N1	22-JAN-2004 22:13:02	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	9917	No
481	GOM_NL__2PRFIN20040122_221622_000000392023_00344_09917_1012.N1	22-JAN-2004 22:16:22	Bright	39.000	5	3Alp Lyr	0.033000	11000.	78	9917	No
482	GOM_NL__2PRFIN20040122_221926_000000402023_00344_09917_1013.N1	22-JAN-2004 22:19:26	Bright	40.000	133	40Zet Her	2.8070	6000.0	80	9917	No
483	GOM_NL__2PRFIN20040122_222238_000000692023_00344_09917_1014.N1	22-JAN-2004 22:22:38	Bright	68.500	83		2.3780	11000.	137	9917	No
484	GOM_NL__2PRFIN20040122_222628_000000362023_00344_09917_1015.N1	22-JAN-2004 22:26:28	Bright	36.000	126	60Bet Oph	2.7700	4250.0	72	9917	No
485	GOM_NL__2PRFIN20040122_222824_000001382023_00344_09917_1016.N1	22-JAN-2004 22:28:24	Tw_i_and_stray	137.50	3	16Alp Boo	-0.050000	4250.0	275	9917	No
486	GOM_NL__2PRFIN20040122_223200_000000452023_00344_09917_1017.N1	22-JAN-2004 22:32:00	Bright	45.000	98	13Zet Oph	2.5710	30000.	90	9917	No
487	GOM_NL__2PRFIN20040122_223629_000000552023_00344_09917_1018.N1	22-JAN-2004 22:36:29	Twilight	55.000	16	21Alp Sco	1.0200	3000.0	110	9917	No
488	GOM_NL__2PRFIN20040122_223805_000000382023_00344_09917_1019.N1	22-JAN-2004 22:38:05	Twilight	37.500	115	34Ups Sco	2.6960	26000.	75	9917	No
489	GOM_NL__2PRFIN20040122_223933_000000422023_00344_09917_1020.N1	22-JAN-2004 22:39:33	Dark	41.500	40	The Sco	1.8590	7100.0	83	9917	No
490	GOM_NL__2PRFIN20040122_224159_000000422023_00344_09917_1021.N1	22-JAN-2004 22:41:59	Dark	41.500	131	Gam Lup	2.8000	26000.	83	9917	No
491	GOM_NL__2PRFIN20040122_224357_000000432023_00344_09917_1022.N1	22-JAN-2004 22:43:57	Dark	42.500	109	Bet Lup	2.6770	26000.	85	9917	No
492	GOM_NL__2PRFIN20040122_224526_000000432023_00344_09917_1023.N1	22-JAN-2004 22:45:26	Dark	42.500	78	Alp Lup	2.3040	28000.	85	9917	No
493	GOM_NL__2PRFIN20040122_224739_000000432023_00345_09918_0984.N1	22-JAN-2004 22:47:39	Dark	42.500	4	Alp1Cen	-0.010000	5800.0	85	9918	No
494	GOM_NL__2PRFIN20040122_224901_000000432023_00345_09918_0985.N1	22-JAN-2004 22:49:01	Dark	43.000	77	Eps Cen	2.3030	28000.	86	9918	No
495	GOM_NL__2PRFIN20040122_225210_000000432023_00345_09918_0986.N1	22-JAN-2004 22:52:10	Dark	43.000	12	Alp1Cru	0.77500	30000.	86	9918	No
496	GOM_NL__2PRFIN20040122_225334_000000452023_00345_09918_0987.N1	22-JAN-2004 22:53:34	Dark	45.000	99	Del Cen	2.5750	26000.	90	9918	No
497	GOM_NL__2PRFIN20040122_225621_000000382023_00345_09918_0988.N1	22-JAN-2004 22:56:21	Dark	38.000	29	Bet Car	1.6720	10200.	76	9918	No
498	GOM_NL__2PRFIN20040122_225829_000000422023_00345_09918_0989.N1	22-JAN-2004 22:58:29	Dark	41.500	71	lot Car	2.2460	7700.0	83	9918	No
499	GOM_NL__2PRFIN20040122_230018_000000452023_00345_09918_0990.N1	22-JAN-2004 23:00:18	Dark	45.000	46	Del Vel	1.9540	10600.	90	9918	No
500	GOM_NL__2PRFIN20040122_230253_000000442023_00345_09918_0991.N1	22-JAN-2004 23:02:53	Dark	44.000	2	Alp Car	-0.73600	7000.0	88	9918	No
501	GOM_NL__2PRFIN20040122_230504_000000412023_00345_09918_0992.N1	22-JAN-2004 23:05:04	Straylight	41.000	70	Zet Pup	2.2460	39000.	82	9918	No
502	GOM_NL__2PRFIN20040122_230635_000000442023_00345_09918_0993.N1	22-JAN-2004 23:06:35	Straylight	43.500	117	Pi Pup	2.7060	3800.0	87	9918	No
503	GOM_NL__2PRFIN20040122_230904_000000452023_00345_09918_0994.N1	22-JAN-2004 23:09:04	Straylight	45.000	23	21Eps CMa	1.5020	26000.	90	9918	No
504	GOM_NL__2PRFIN20040122_231028_000000402023_00345_09918_0995.N1	22-JAN-2004 23:10:28	Straylight	40.000	179	24Omi2CMa	3.0320	24000.	80	9918	No
505	GOM_NL__2PRFIN20040122_231238_000000462023_00345_09918_0996.N1	22-JAN-2004 23:12:38	Straylight	45.500	1	9Alp CMa	-1.4400	11000.	91	9918	No
506	GOM_NL__2PRFIN20040122_231511_000000432023_00345_09918_0997.N1	22-JAN-2004 23:15:11	Tw_i_and_stray	42.500	56	53Kap Ori	2.0650	30000.	85	9918	No
507	GOM_NL__2PRFIN20040122_231624_000000402023_00345_09918_0998.N1	22-JAN-2004 23:16:24	Tw_i_and_stray	39.500	125	44lot Ori	2.7700	30000.	79	9918	No
508	GOM_NL__2PRFIN20040122_231741_000000442023_00345_09918_0999.N1	22-JAN-2004 23:17:41	Tw_i_and_stray	44.000	30	46Eps Ori	1.6940	30000.	88	9918	No
509	GOM_NL__2PRFIN20040122_231948_000000522023_00345_09918_1000.N1	22-JAN-2004 23:19:48	Tw_i_and_stray	52.000	14	58Alp Ori	0.87000	3000.0	104	9918	No
510	GOM_NL__2PRFIN20040122_232202_000000412023_00345_09918_1001.N1	22-JAN-2004 23:22:02	Bright	41.000	44	24Gam Gem	1.9280	11000.	82	9918	No
511	GOM_NL__2PRFIN20040122_232347_000000412023_00345_09918_1002.N1	22-JAN-2004 23:23:47	Bright	41.000	151	13Mu Gem	2.8900	3000.0	82	9918	No
512	GOM_NL__2PRFIN20040122_232559_000000392023_00345_09918_1003.N1	22-JAN-2004 23:25:59	Bright	38.500	28	12Bet Tau	1.6500	15200.	77	9918	No
513	GOM_NL__2PRFIN20040122_232759_000000382023_00345_09918_1004.N1	22-JAN-2004 23:27:59	Bright	37.500	107	37The Aur	2.6490	11000.	75	9918	No
514	GOM_NL__2PRFIN20040122_233009_000000362023_00345_09918_1005.N1	22-JAN-2004 23:30:09	Bright	36.000	42	34Bet Aur	1.9000	10200.	72	9918	No

515	GOM_NL__2PRFIN20040122_233529_000001862023_00345_09918_1006.N1	22-JAN-2004 23:35:29	Bright	185.50	51	41Gam1Leo	2.0100	4500.0	371	9918	No
516	GOM_NL__2PRFIN20040122_234241_000000342023_00345_09918_1007.N1	22-JAN-2004 23:42:41	Bright	34.000	49	1Alp UMi	1.9900	6300.0	68	9918	No
517	GOM_NL__2PRFIN20040122_234619_000000402023_00345_09918_1008.N1	22-JAN-2004 23:46:19	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	9918	No
518	GOM_NL__2PRFIN20040122_234751_000000542023_00345_09918_1009.N1	22-JAN-2004 23:47:51	Bright	54.000	32	77Eps UMa	1.7630	11000.	108	9918	No
519	GOM_NL__2PRFIN20040122_235049_000000392023_00345_09918_1010.N1	22-JAN-2004 23:50:49	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	9918	No
520	GOM_NL__2PRFIN20040122_235338_000000372023_00345_09918_1011.N1	22-JAN-2004 23:53:38	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	9918	No
521	GOM_NL__2PRFIN20040122_235658_000000372023_00345_09918_1012.N1	22-JAN-2004 23:56:58	Bright	36.500	5	3Alp Lyr	0.033000	11000.	73	9918	No

3. Quality information per product

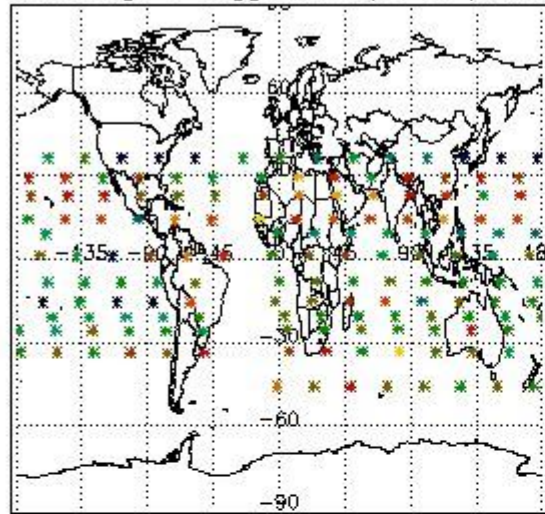
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

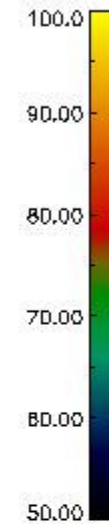
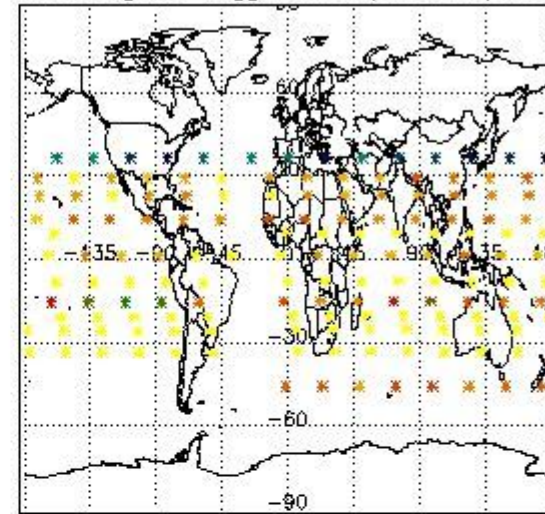


3.2 Plot quality information per product (world map)

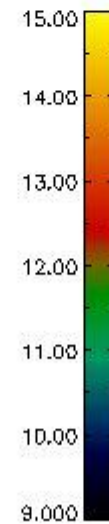
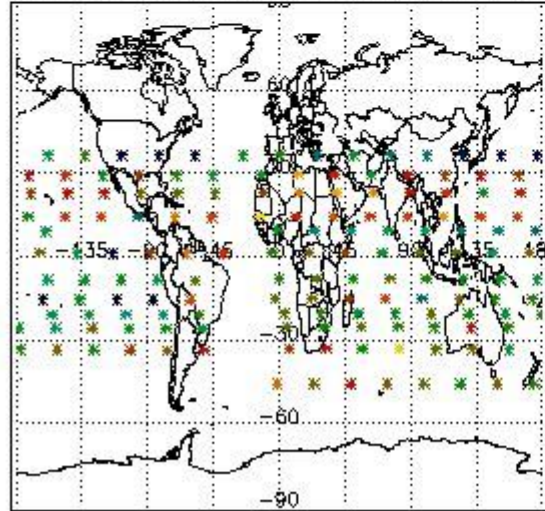
Percentage of flagged data per O3 profile



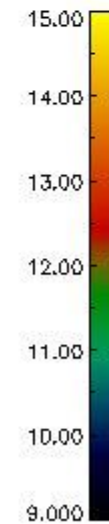
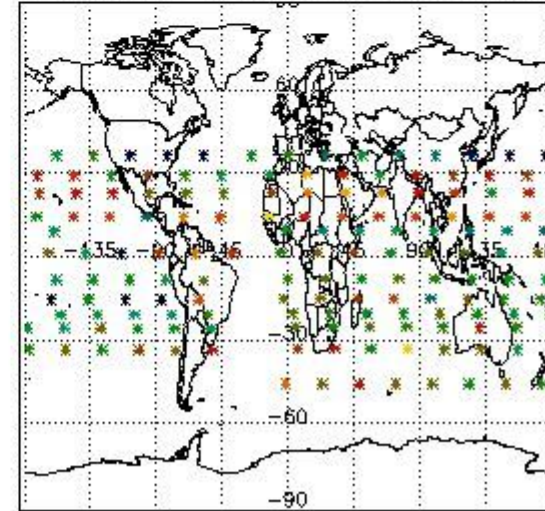
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

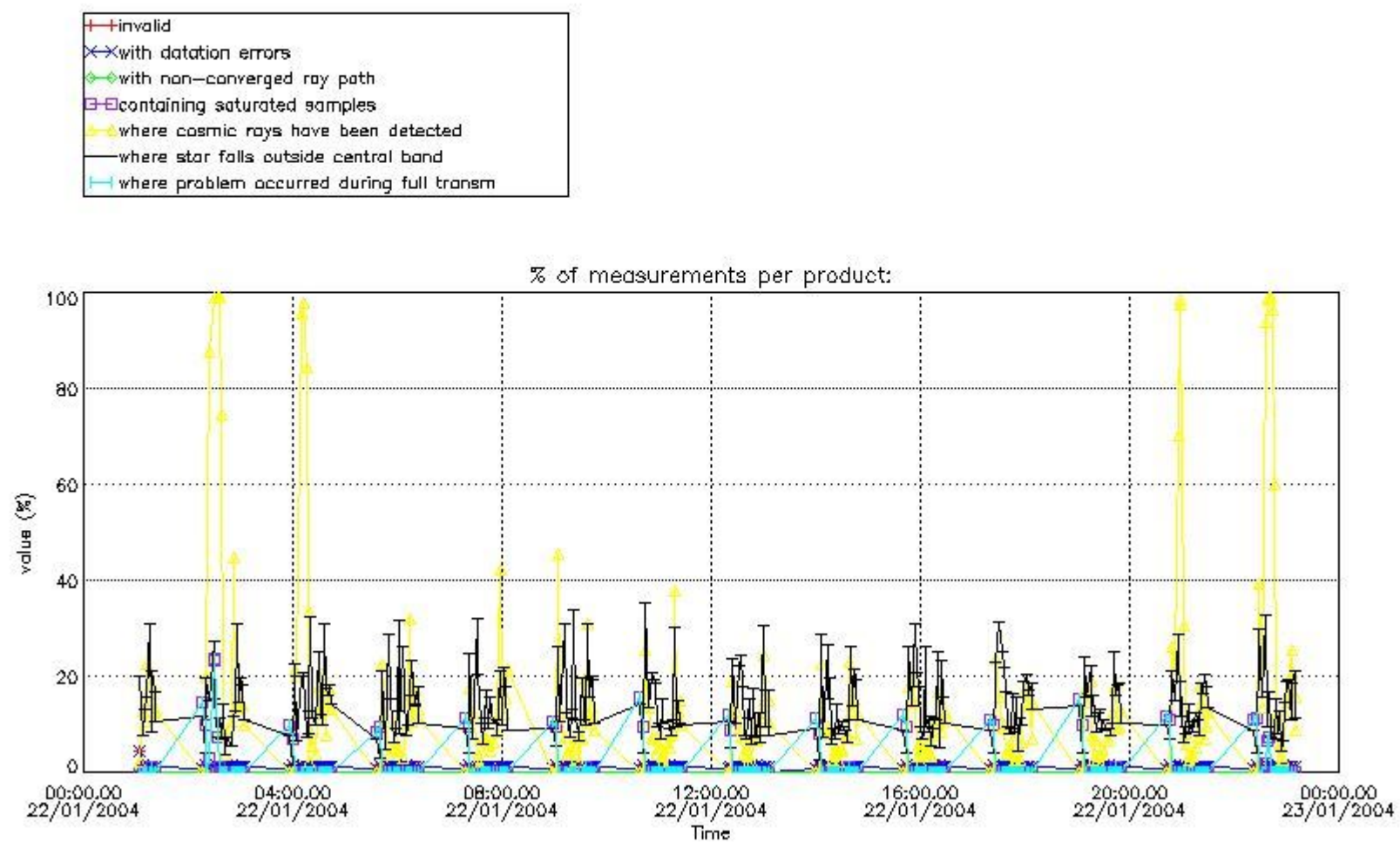


4. Level 1 quality information per product

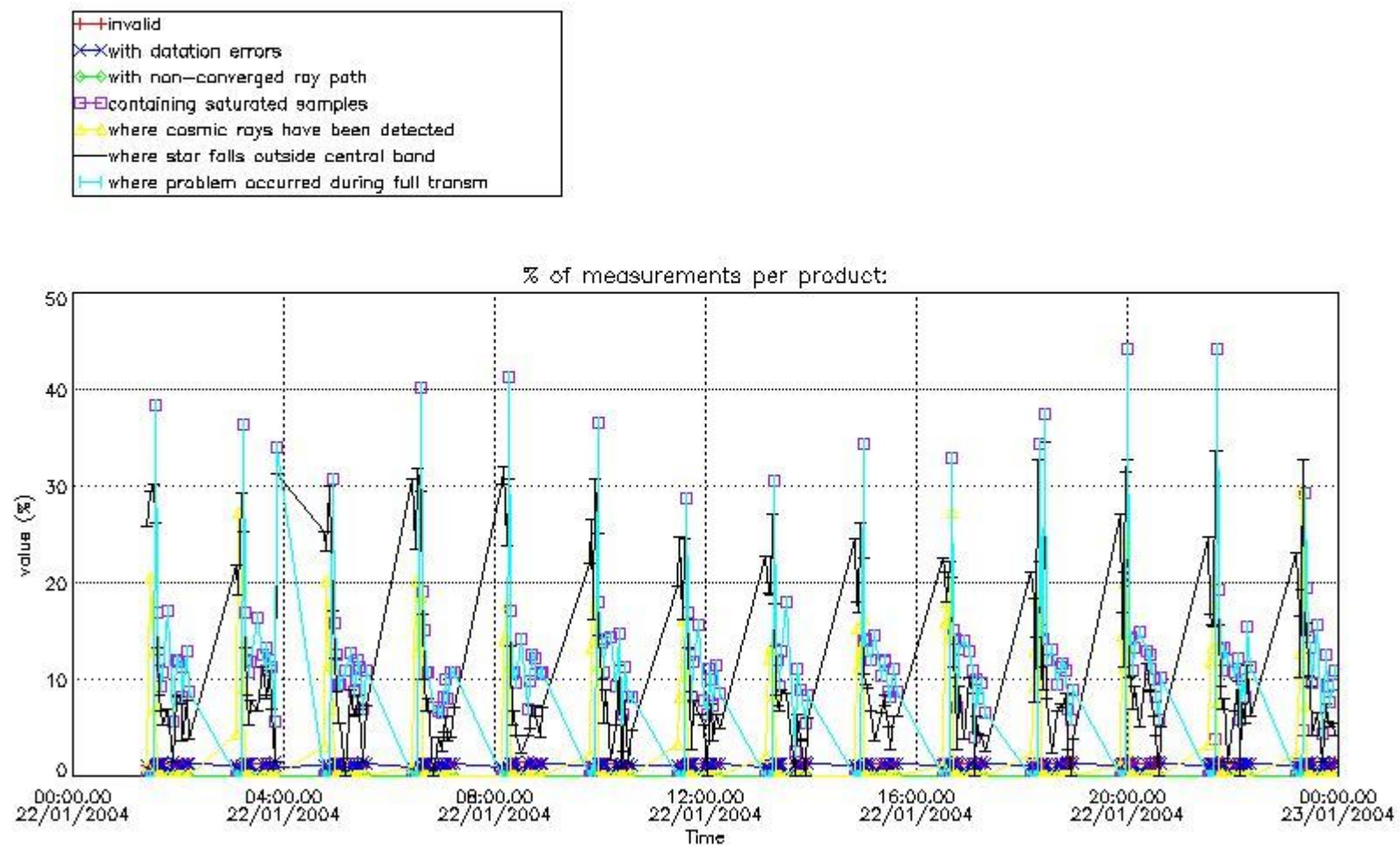
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



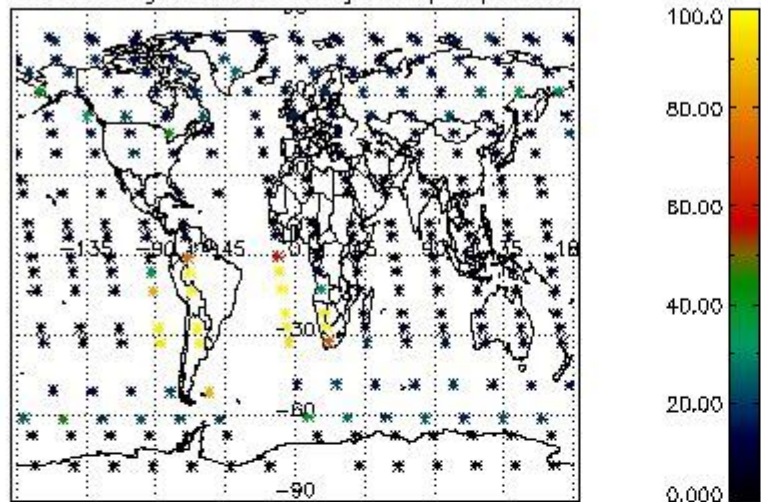
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



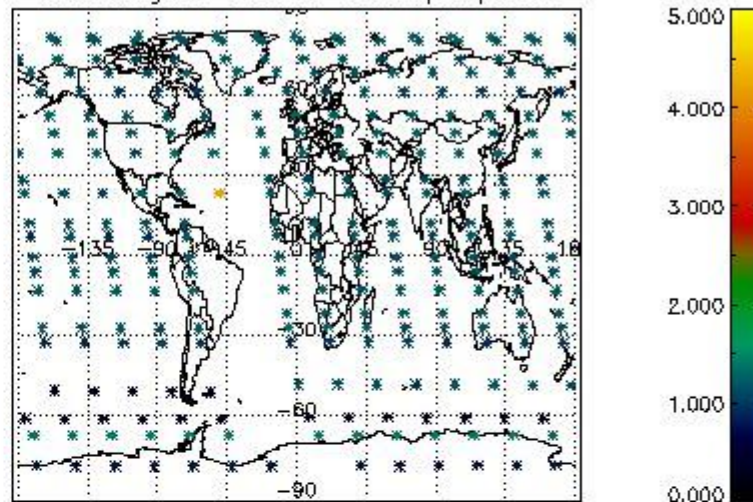
4.2 Plot quality information per product coming from level 1b processing (world map)

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

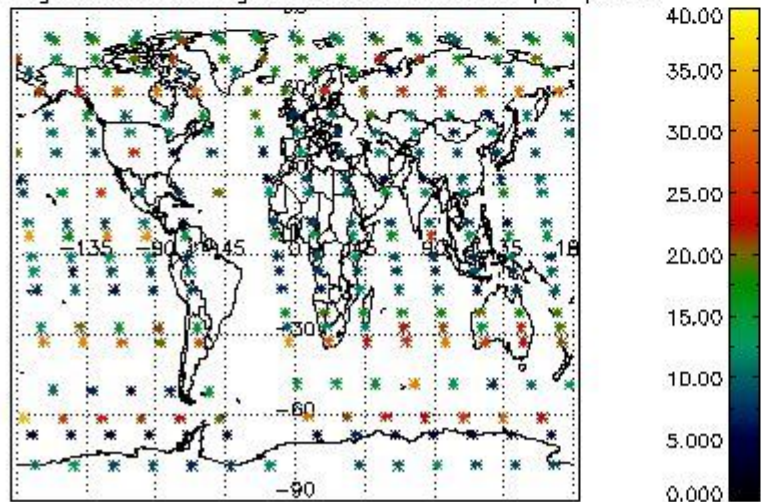
Percentage of cosmic ray hits per profile



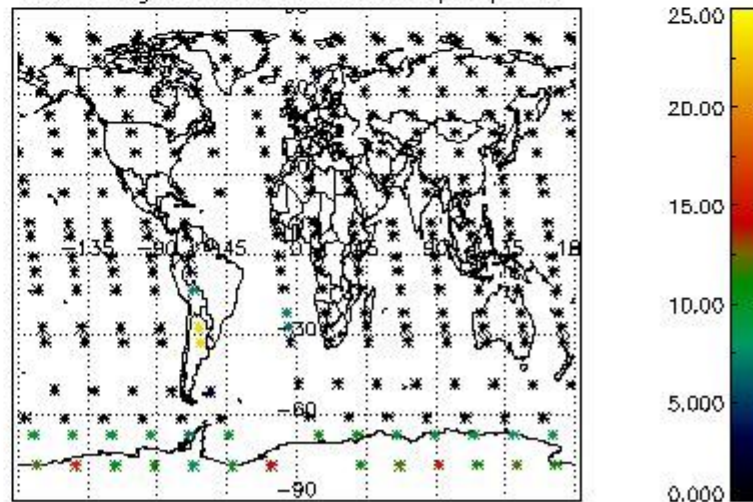
Percentage of datation errors per profile



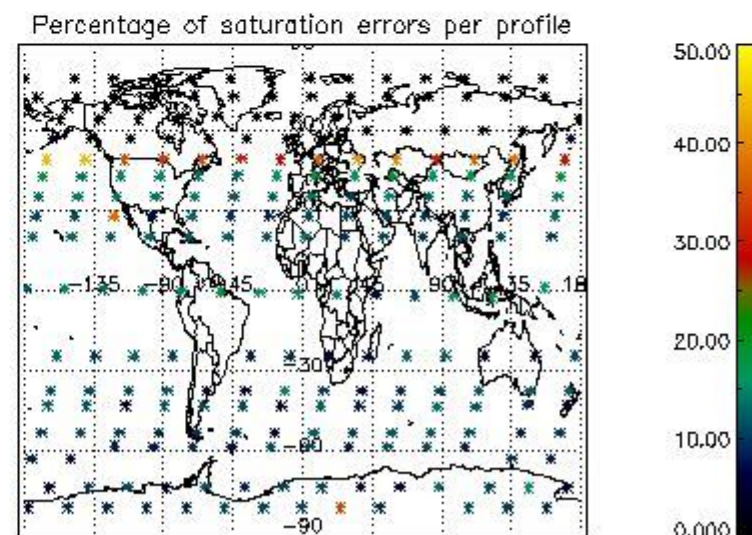
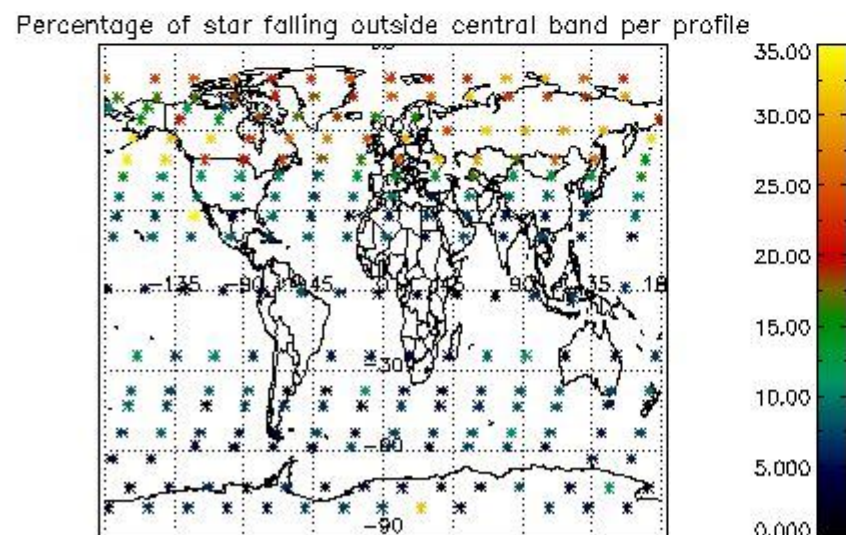
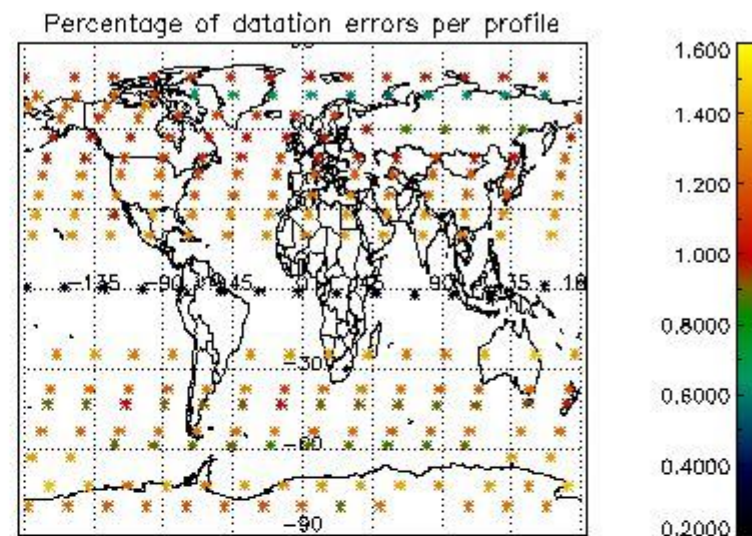
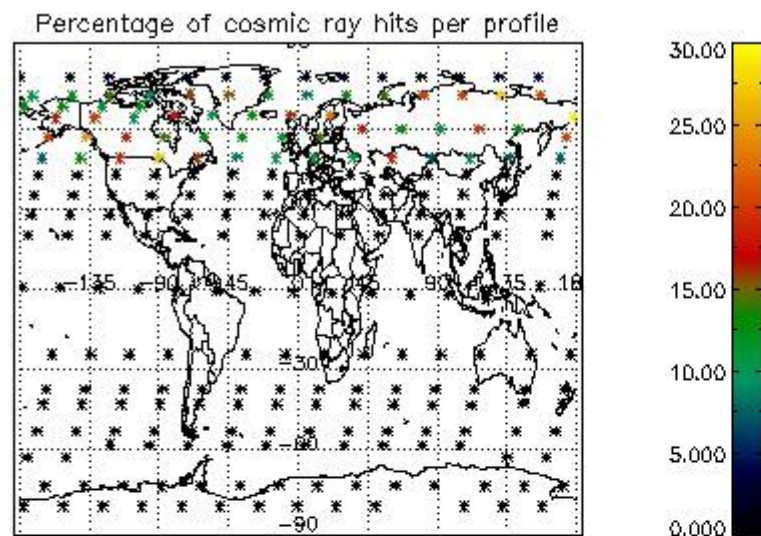
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

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

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

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

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

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

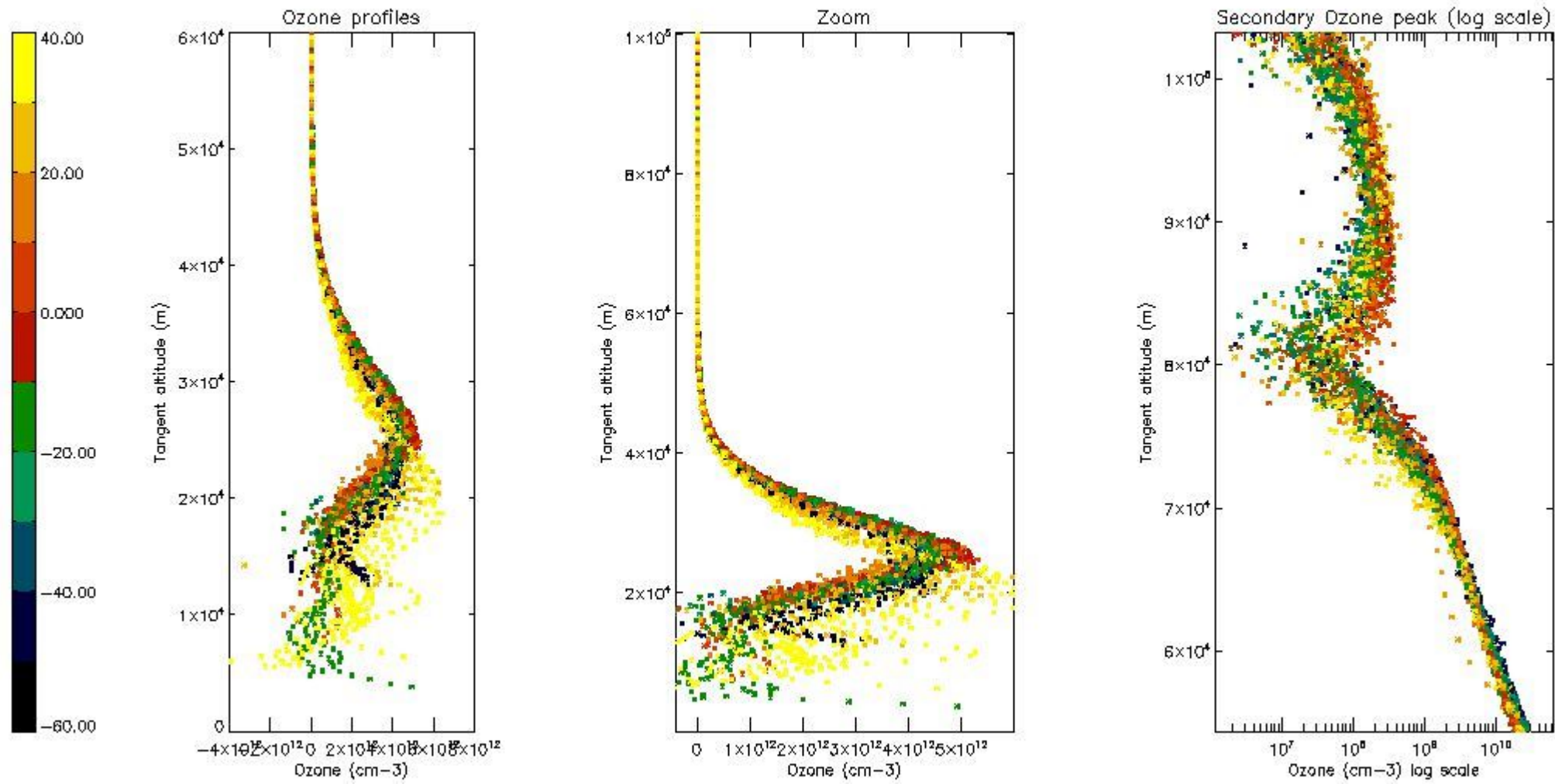
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	24
STD < 20	16

STD < 10	14
STD < 5	10

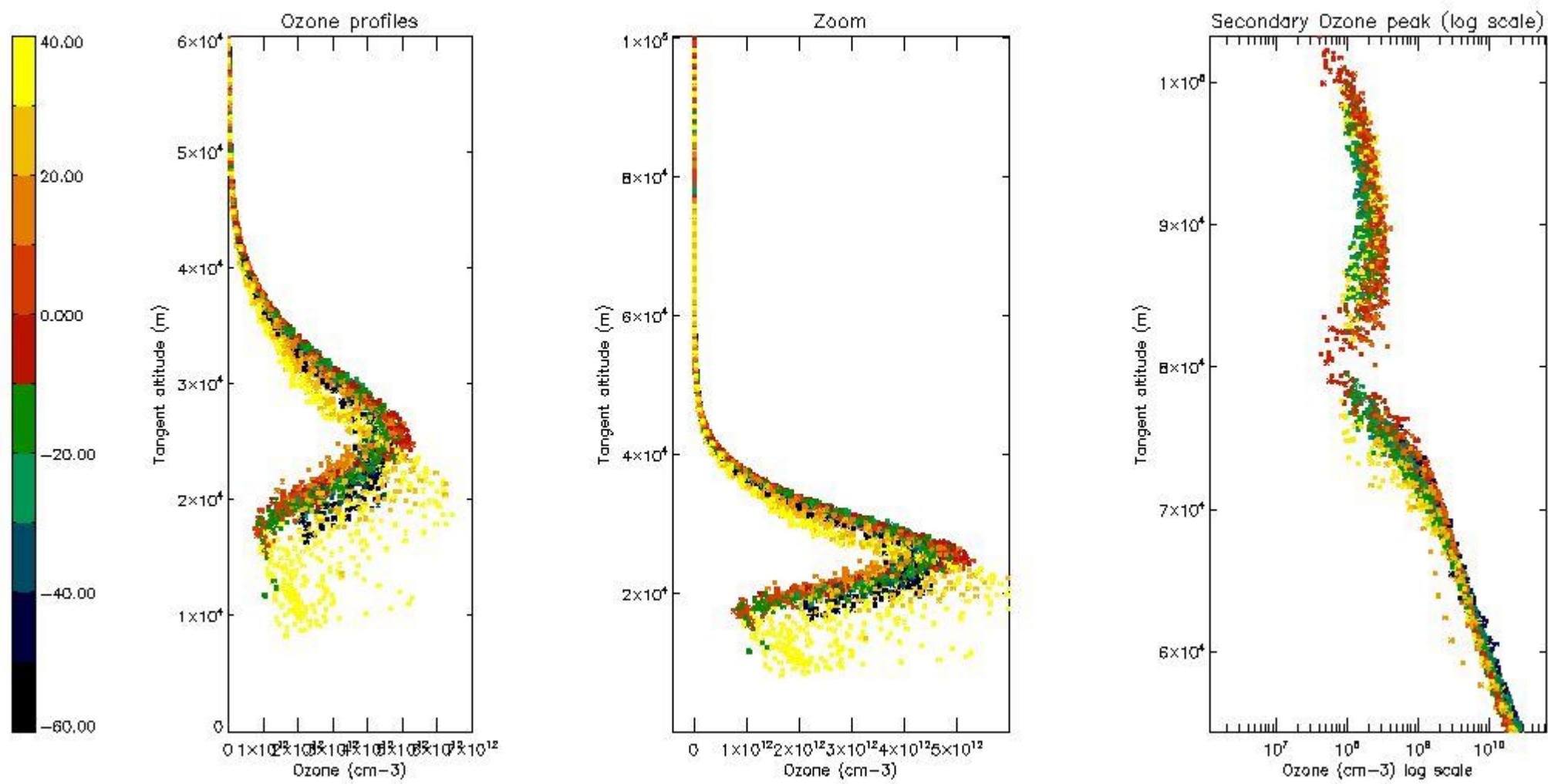
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



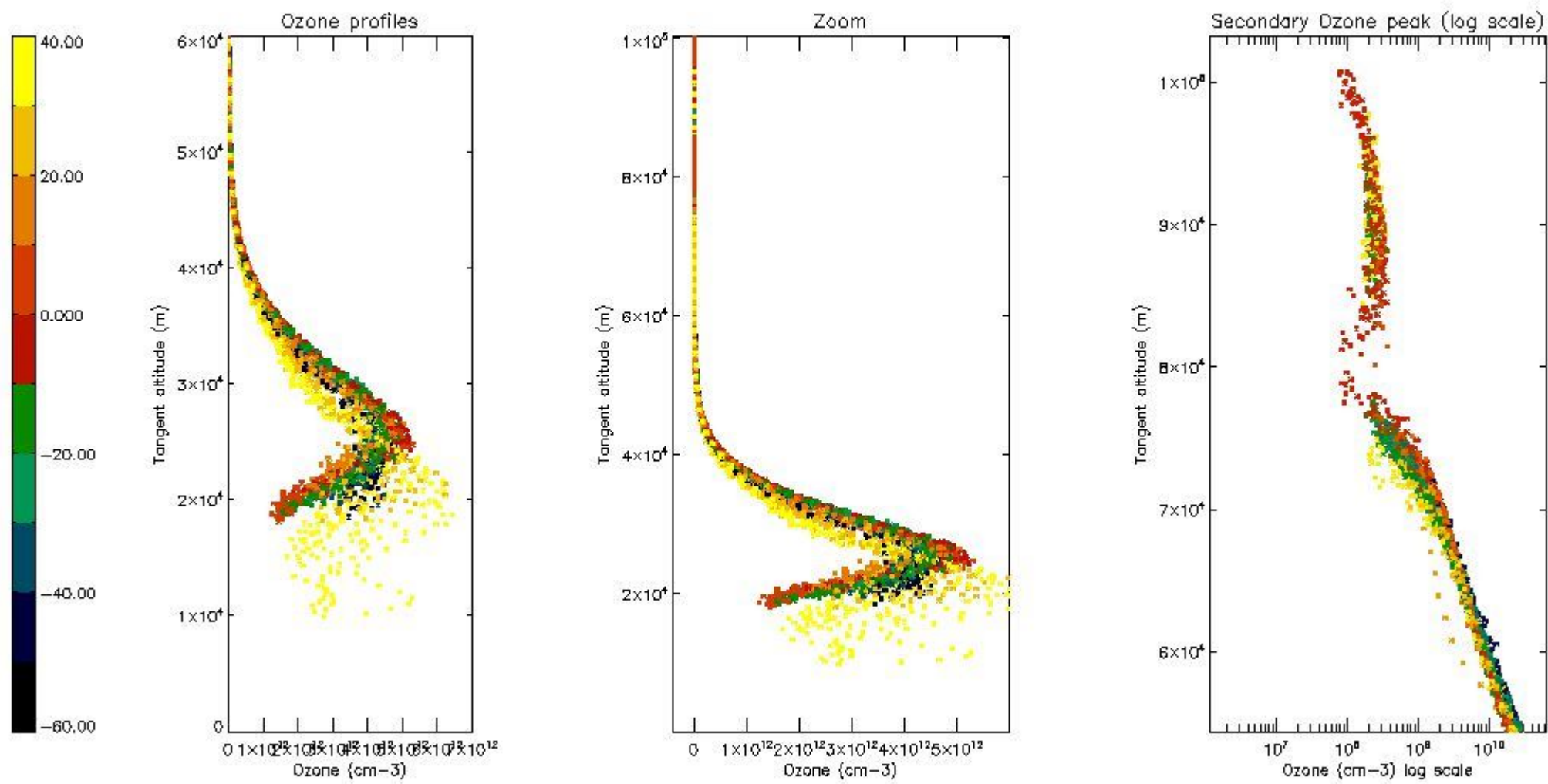
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



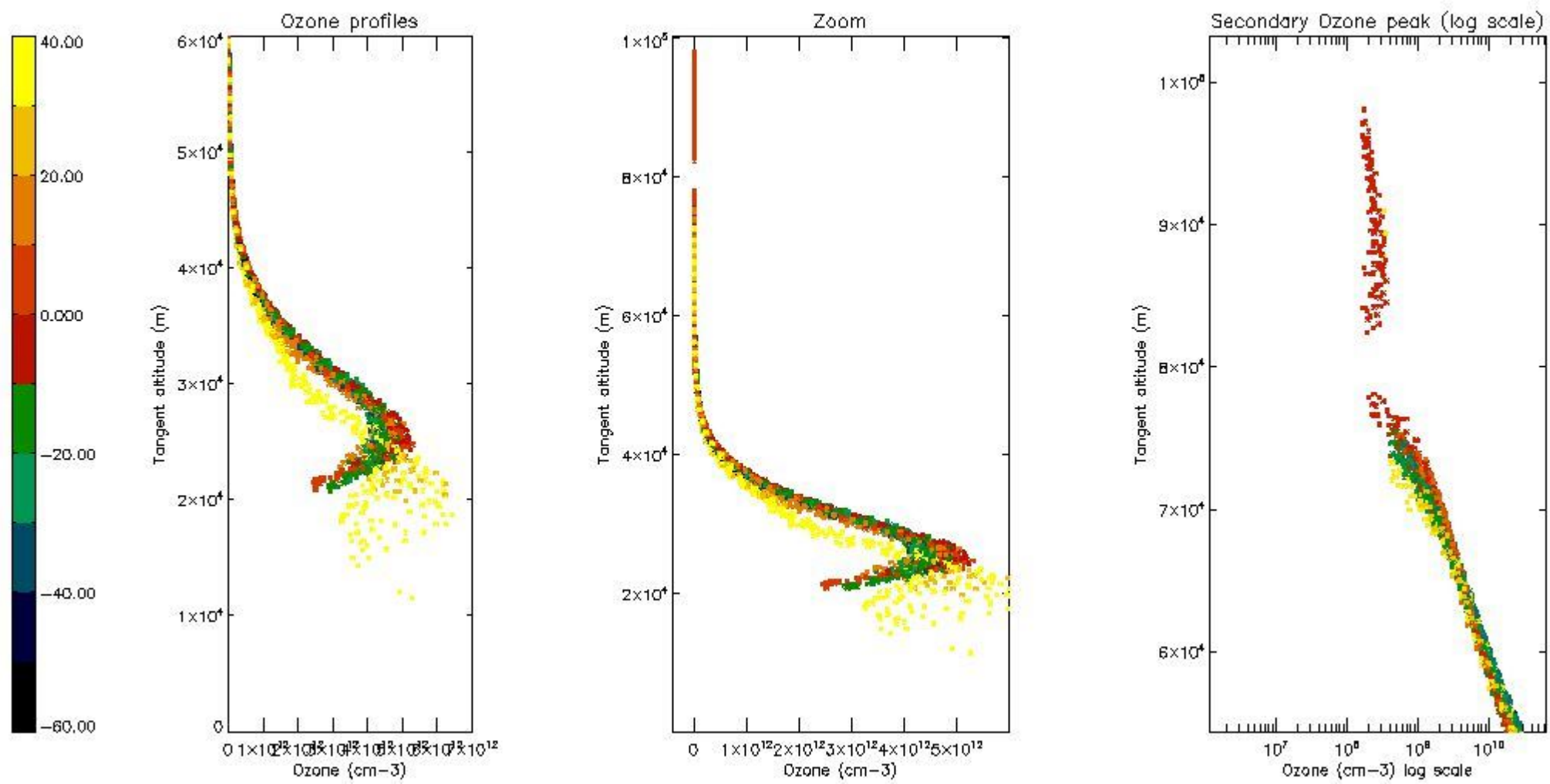
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



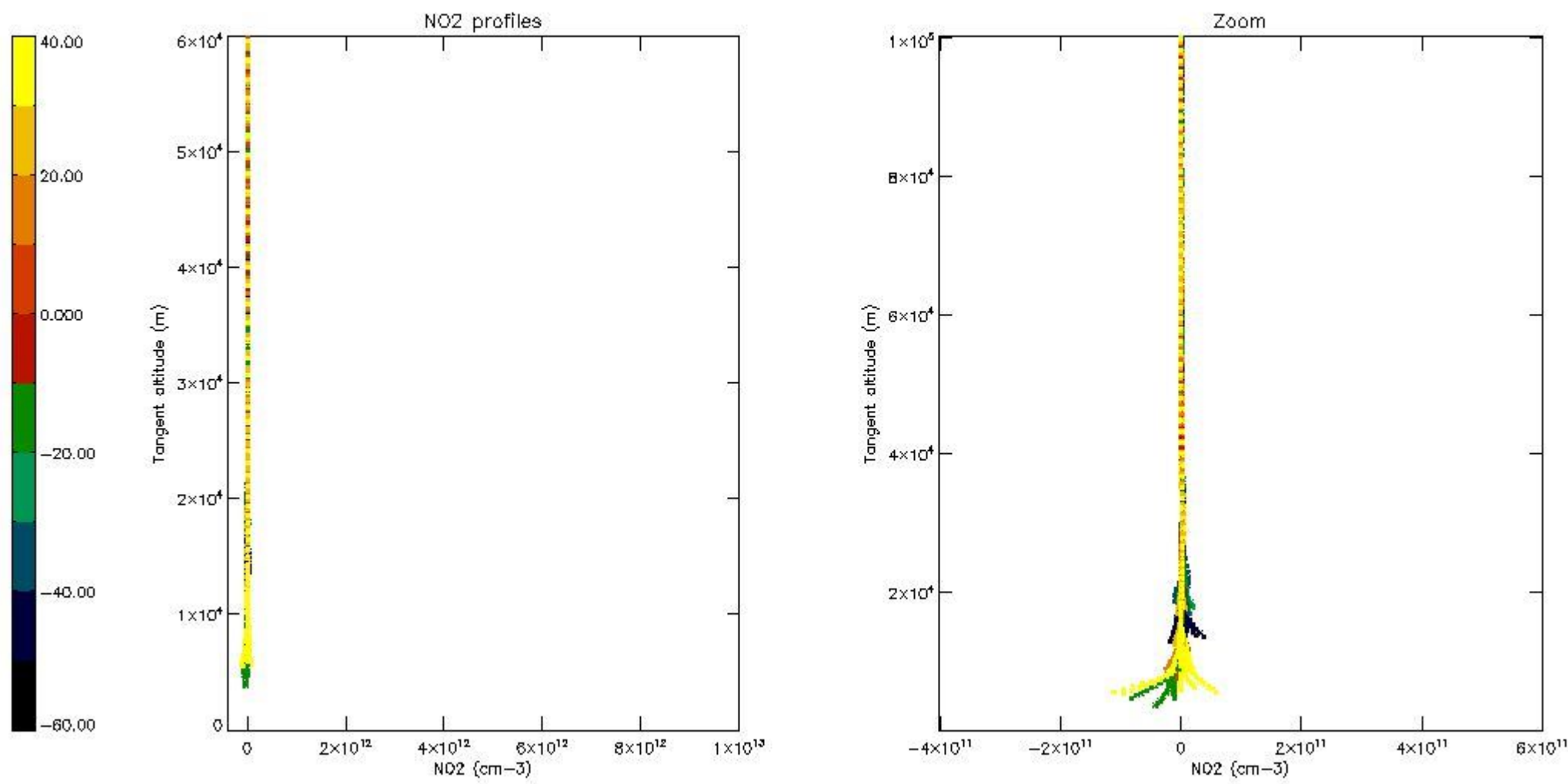
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



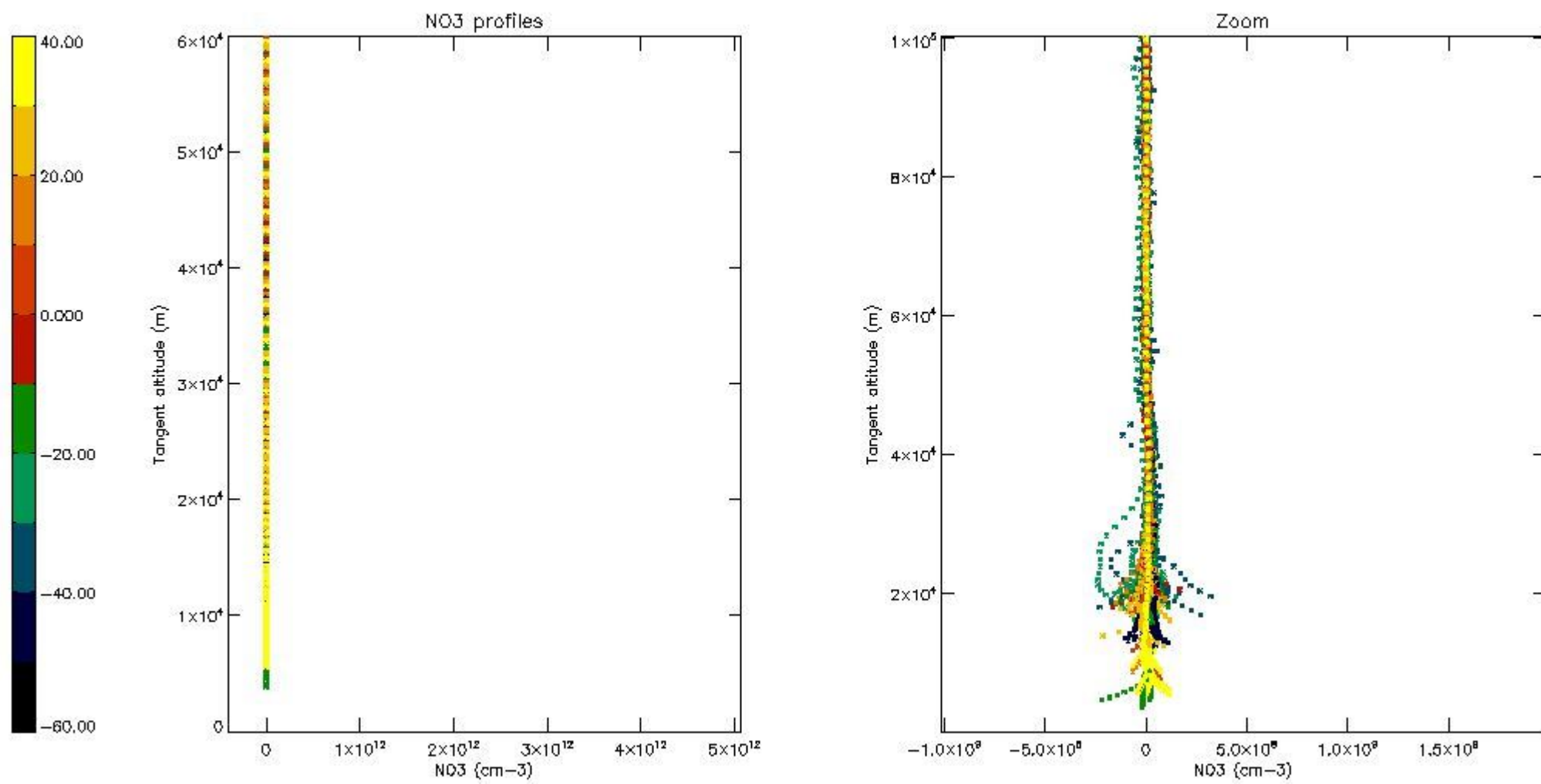
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



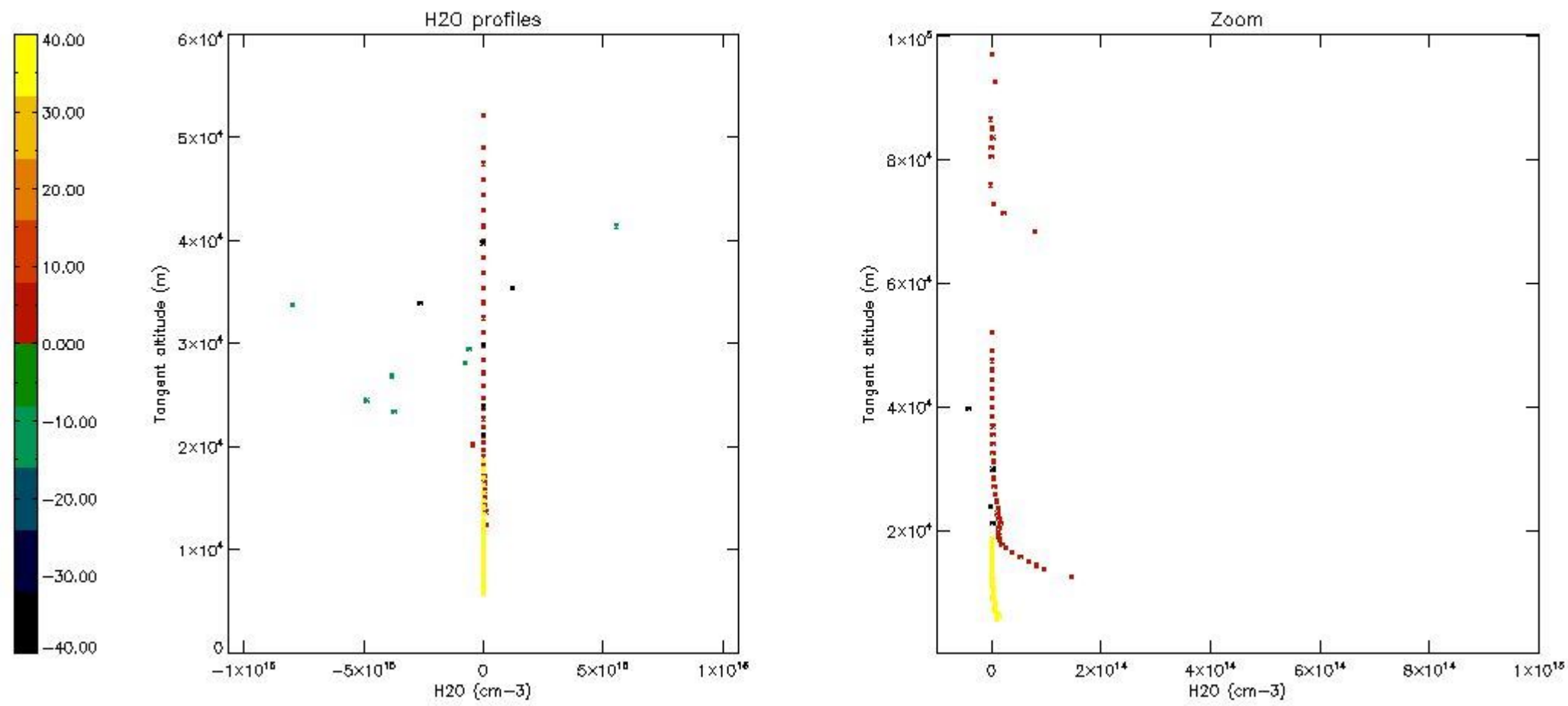
5.7 Plot NO3 profiles for all STD (dark without errors)

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	22-JAN-2004 01:04:15
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	22-JAN-2004 01:04:15
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	22-JAN-2004 01:04:15

GOMOS Level 2 Daily Report

SUMMARY

[1. General Info](#)

[2. Summary of processed GOM_NL_2P products](#)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Item	Value
Time of report generation	18APR2013 17:55:09
Data source version	GOMOS/6.01
Start time of products	22-01-2004 (22JAN2004 00:00:00)
Stop time of products	23-01-2004 (23JAN2004 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	521
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__2PRFIN20040122_010415_000000482023_00332_09905_0956.N1	22-JAN-2004 01:04:15	Dark	47.500	12	Alp1Cru	0.77500	30000.	95	9905	No
2	GOM_NL__2PRFIN20040122_010830_000000392023_00332_09905_0957.N1	22-JAN-2004 01:08:30	Dark	39.000	29	Bet Car	1.6720	10200.	78	9905	No
3	GOM_NL__2PRFIN20040122_011036_000000432023_00332_09905_0958.N1	22-JAN-2004 01:10:36	Dark	42.500	71	lot Car	2.2460	7700.0	85	9905	No
4	GOM_NL__2PRFIN20040122_011225_000000452023_00332_09905_0959.N1	22-JAN-2004 01:12:25	Dark	44.500	46	Del Vel	1.9540	10600.	89	9905	No
5	GOM_NL__2PRFIN20040122_011503_000000522023_00332_09905_0960.N1	22-JAN-2004 01:15:03	Dark	52.000	2	Alp Car	-0.73600	7000.0	104	9905	No
6	GOM_NL__2PRFIN20040122_011712_000000412023_00332_09905_0961.N1	22-JAN-2004 01:17:12	Straylight	41.000	70	Zet Pup	2.2460	39000.	82	9905	No
7	GOM_NL__2PRFIN20040122_011843_000000482023_00332_09905_0962.N1	22-JAN-2004 01:18:43	Straylight	47.500	117	Pi Pup	2.7060	3800.0	95	9905	No
8	GOM_NL__2PRFIN20040122_012113_000000452023_00332_09905_0963.N1	22-JAN-2004 01:21:13	Straylight	44.500	23	21Eps CMa	1.5020	26000.	89	9905	No
9	GOM_NL__2PRFIN20040122_012235_000000432023_00332_09905_0964.N1	22-JAN-2004 01:22:35	Straylight	43.000	179	24Omi2CMa	3.0320	24000.	86	9905	No
10	GOM_NL__2PRFIN20040122_012448_000000492023_00332_09905_0965.N1	22-JAN-2004 01:24:48	Straylight	48.500	1	9Alp CMa	-1.4400	11000.	97	9905	No
11	GOM_NL__2PRFIN20040122_012716_000000852023_00332_09905_0966.N1	22-JAN-2004 01:27:16	Straylight	85.000	48	30Alp Hya	1.9770	4100.0	170	9905	No
12	GOM_NL__2PRFIN20040122_013106_000000582023_00332_09905_0967.N1	22-JAN-2004 01:31:06	Twilight	58.000	8	10Alp CMi	0.40000	6500.0	116	9905	No
13	GOM_NL__2PRFIN20040122_013413_000000502023_00332_09905_0968.N1	22-JAN-2004 01:34:13	Bright	49.500	44	24Gam Gem	1.9280	11000.	99	9905	No
14	GOM_NL__2PRFIN20040122_013558_000000422023_00332_09905_0969.N1	22-JAN-2004 01:35:58	Bright	41.500	151	13Mu Gem	2.8900	3000.0	83	9905	No
15	GOM_NL__2PRFIN20040122_013805_000000422023_00332_09905_0970.N1	22-JAN-2004 01:38:05	Bright	41.500	28	12Bet Tau	1.6500	15200.	83	9905	No
16	GOM_NL__2PRFIN20040122_014009_000000382023_00332_09905_0971.N1	22-JAN-2004 01:40:09	Bright	37.500	107	37The Aur	2.6490	11000.	75	9905	No
17	GOM_NL__2PRFIN20040122_014219_000000382023_00332_09905_0972.N1	22-JAN-2004 01:42:19	Bright	37.500	42	34Bet Aur	1.9000	10200.	75	9905	No
18	GOM_NL__2PRFIN20040122_014844_000002372023_00332_09905_0973.N1	22-JAN-2004 01:48:44	Bright	236.50	51	41Gam1Leo	2.0100	4500.0	473	9905	No
19	GOM_NL__2PRFIN20040122_015452_000000362023_00332_09905_0974.N1	22-JAN-2004 01:54:52	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	9905	No
20	GOM_NL__2PRFIN20040122_015833_000000422023_00332_09905_0975.N1	22-JAN-2004 01:58:33	Bright	41.500	60	7Bet UMi	2.0810	3950.0	83	9905	No
21	GOM_NL__2PRFIN20040122_020013_000000552023_00332_09905_0976.N1	22-JAN-2004 02:00:13	Bright	55.000	32	77Eps UMa	1.7630	11000.	110	9905	No
22	GOM_NL__2PRFIN20040122_020302_000000402023_00332_09905_0977.N1	22-JAN-2004 02:03:02	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	9905	No
23	GOM_NL__2PRFIN20040122_020433_000000552023_00332_09905_0978.N1	22-JAN-2004 02:04:33	Bright	55.000	39	85Eta UMa	1.8540	24000.	110	9905	No
24	GOM_NL__2PRFIN20040122_020907_000000392023_00332_09905_0979.N1	22-JAN-2004 02:09:07	Bright	38.500	5	3Alp Lyr	0.033000	11000.	77	9905	No
25	GOM_NL__2PRFIN20040122_021212_000000402023_00332_09905_0980.N1	22-JAN-2004 02:12:12	Bright	40.000	133	40Zet Her	2.8070	6000.0	80	9905	No
26	GOM_NL__2PRFIN20040122_021522_000000692023_00332_09905_0981.N1	22-JAN-2004 02:15:22	Bright	68.500	83		2.3780	11000.	137	9905	No
27	GOM_NL__2PRFIN20040122_021913_000000362023_00332_09905_0982.N1	22-JAN-2004 02:19:13	Bright	36.000	126	60Bet Oph	2.7700	4250.0	72	9905	No
28	GOM_NL__2PRFIN20040122_022057_000001132023_00332_09905_0983.N1	22-JAN-2004 02:20:57	Twilight	112.50	3	16Alp Boo	-0.050000	4250.0	225	9905	No
29	GOM_NL__2PRFIN20040122_022355_000001792023_00332_09905_0984.N1	22-JAN-2004 02:23:55	Straylight	178.50	111	8Eta Boo	2.6800	6000.0	357	9905	No
30	GOM_NL__2PRFIN20040122_022911_000000522023_00332_09905_0985.N1	22-JAN-2004 02:29:11	Twilight	51.500	16	21Alp Sco	1.0200	3000.0	103	9905	No
31	GOM_NL__2PRFIN20040122_023043_000000432023_00332_09905_0986.N1	22-JAN-2004 02:30:43	Twilight	42.500	75	26Eps Sco	2.2910	4250.0	85	9905	No
32	GOM_NL__2PRFIN20040122_023440_000000412023_00332_09905_0987.N1	22-JAN-2004 02:34:40	Dark	41.000	131	Gam Lup	2.8000	26000.	82	9905	No
33	GOM_NL__2PRFIN20040122_023636_000000452023_00332_09905_0988.N1	22-JAN-2004 02:36:36	Dark	45.000	109	Bet Lup	2.6770	26000.	90	9905	No
34	GOM_NL__2PRFIN20040122_023806_000000432023_00332_09905_0989.N1	22-JAN-2004 02:38:06	Dark	43.000	78	Alp Lup	2.3040	28000.	86	9905	No
35	GOM_NL__2PRFIN20040122_024021_000000432023_00333_09906_0956.N1	22-JAN-2004 02:40:21	Dark	42.500	4	Alp1Cen	-0.010000	5800.0	85	9906	No
36	GOM_NL__2PRFIN20040122_024139_000000432023_00333_09906_0957.N1	22-JAN-2004 02:41:39	Dark	42.500	77	Eps Cen	2.3030	28000.	85	9906	No
37	GOM_NL__2PRFIN20040122_024452_000000412023_00333_09906_0958.N1	22-JAN-2004 02:44:52	Dark	41.000	12	Alp1Cru	0.77500	30000.	82	9906	No
38	GOM_NL__2PRFIN20040122_024906_000000382023_00333_09906_0959.N1	22-JAN-2004 02:49:06	Dark	37.500	29	Bet Car	1.6720	10200.	75	9906	No
39	GOM_NL__2PRFIN20040122_025112_000000432023_00333_09906_0960.N1	22-JAN-2004 02:51:12	Dark	42.500	71	lot Car	2.2460	7700.0	85	9906	No
40	GOM_NL__2PRFIN20040122_025302_000000432023_00333_09906_0961.N1	22-JAN-2004 02:53:02	Dark	43.000	46	Del Vel	1.9540	10600.	86	9906	No
41	GOM_NL__2PRFIN20040122_025539_000000522023_00333_09906_0962.N1	22-JAN-2004 02:55:39	Dark	52.000	2	Alp Car	-0.73600	7000.0	104	9906	No
42	GOM_NL__2PRFIN20040122_025748_000000452023_00333_09906_0963.N1	22-JAN-2004 02:57:48	Straylight	44.500	70	Zet Pup	2.2460	39000.	89	9906	No

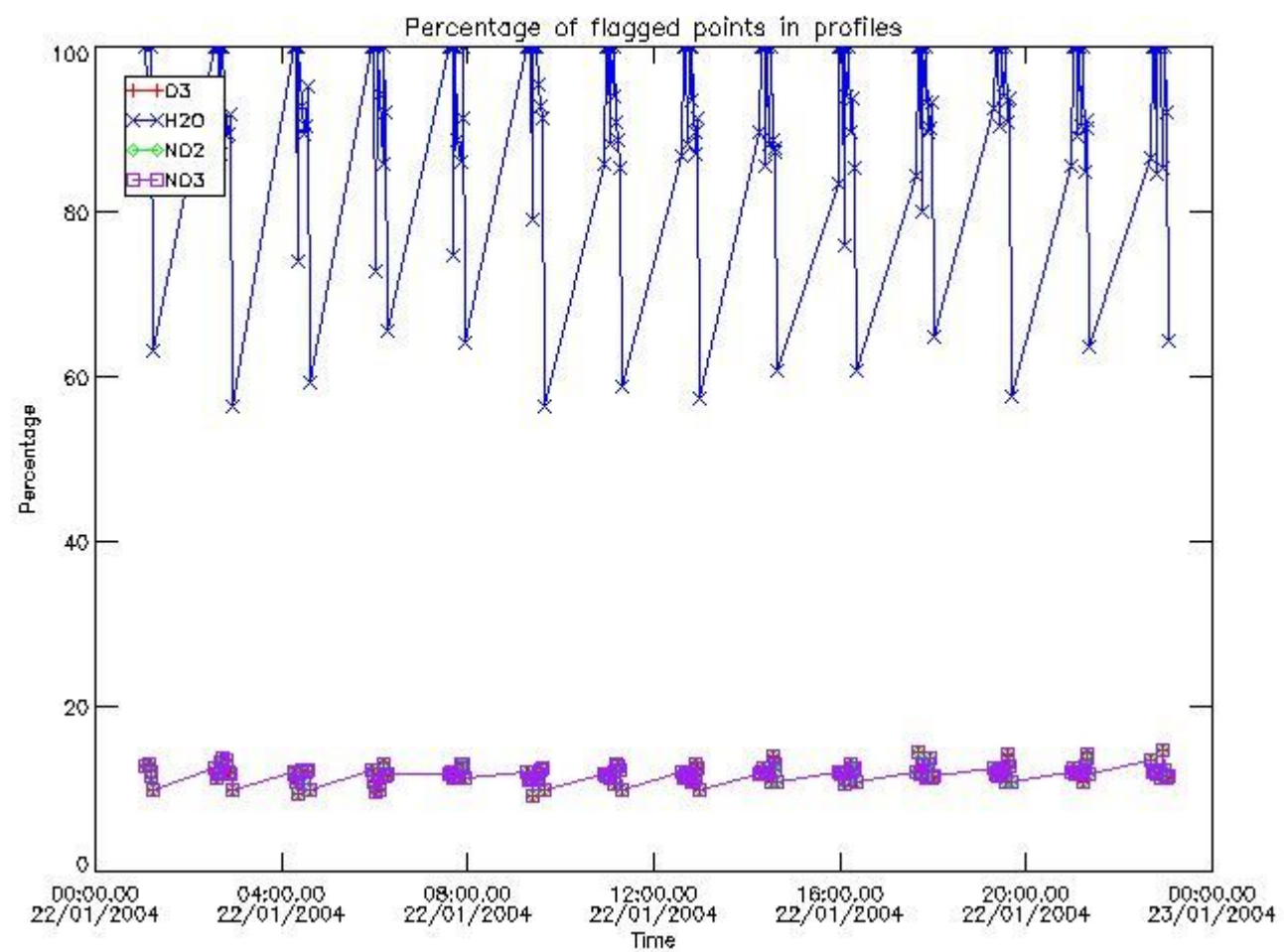
456	GOM_NL__2PRFIN20040122_211257_000000472023_00344_09917_0987.N1	22-JAN-2004 21:12:57	Dark	47.000	99	Del Cen	2.5750	26000.	94	9917	No
457	GOM_NL__2PRFIN20040122_211545_000000402023_00344_09917_0988.N1	22-JAN-2004 21:15:45	Dark	40.000	29	Bet Car	1.6720	10200.	80	9917	No
458	GOM_NL__2PRFIN20040122_211753_000000412023_00344_09917_0989.N1	22-JAN-2004 21:17:53	Dark	41.000	71	lot Car	2.2460	7700.0	82	9917	No
459	GOM_NL__2PRFIN20040122_211942_000000402023_00344_09917_0990.N1	22-JAN-2004 21:19:42	Dark	39.500	46	Del Vel	1.9540	10600.	79	9917	No
460	GOM_NL__2PRFIN20040122_212217_000000432023_00344_09917_0991.N1	22-JAN-2004 21:22:17	Dark	43.000	2	Alp Car	-0.73600	7000.0	86	9917	No
461	GOM_NL__2PRFIN20040122_212428_000000432023_00344_09917_0992.N1	22-JAN-2004 21:24:28	Straylight	42.500	70	Zet Pup	2.2460	39000.	85	9917	No
462	GOM_NL__2PRFIN20040122_212559_000000452023_00344_09917_0993.N1	22-JAN-2004 21:25:59	Straylight	44.500	117	Pi Pup	2.7060	3800.0	89	9917	No
463	GOM_NL__2PRFIN20040122_212828_000000432023_00344_09917_0994.N1	22-JAN-2004 21:28:28	Straylight	42.500	23	21Eps CMa	1.5020	26000.	85	9917	No
464	GOM_NL__2PRFIN20040122_212952_000000412023_00344_09917_0995.N1	22-JAN-2004 21:29:52	Straylight	40.500	179	24Omi2CMa	3.0320	24000.	81	9917	No
465	GOM_NL__2PRFIN20040122_213202_000000472023_00344_09917_0996.N1	22-JAN-2004 21:32:02	Straylight	46.500	1	9Alp CMa	-1.4400	11000.	93	9917	No
466	GOM_NL__2PRFIN20040122_213435_000000422023_00344_09917_0997.N1	22-JAN-2004 21:34:35	Tw_i_and_stray	42.000	56	53Kap Ori	2.0650	30000.	84	9917	No
467	GOM_NL__2PRFIN20040122_213548_000000422023_00344_09917_0998.N1	22-JAN-2004 21:35:48	Tw_i_and_stray	41.500	125	44lot Ori	2.7700	30000.	83	9917	No
468	GOM_NL__2PRFIN20040122_213705_000000422023_00344_09917_0999.N1	22-JAN-2004 21:37:05	Tw_i_and_stray	42.000	30	46Eps Ori	1.6940	30000.	84	9917	No
469	GOM_NL__2PRFIN20040122_213912_000000522023_00344_09917_1000.N1	22-JAN-2004 21:39:12	Tw_i_and_stray	52.000	14	58Alp Ori	0.87000	3000.0	104	9917	No
470	GOM_NL__2PRFIN20040122_214126_000000522023_00344_09917_1001.N1	22-JAN-2004 21:41:26	Bright	52.000	44	24Gam Gem	1.9280	11000.	104	9917	No
471	GOM_NL__2PRFIN20040122_214311_000000422023_00344_09917_1002.N1	22-JAN-2004 21:43:11	Bright	41.500	151	13Mu Gem	2.8900	3000.0	83	9917	No
472	GOM_NL__2PRFIN20040122_214523_000000382023_00344_09917_1003.N1	22-JAN-2004 21:45:23	Bright	38.000	28	12Bet Tau	1.6500	15200.	76	9917	No
473	GOM_NL__2PRFIN20040122_214724_000000372023_00344_09917_1004.N1	22-JAN-2004 21:47:24	Bright	36.500	107	37The Aur	2.6490	11000.	73	9917	No
474	GOM_NL__2PRFIN20040122_214933_000000382023_00344_09917_1005.N1	22-JAN-2004 21:49:33	Bright	37.500	42	34Bet Aur	1.9000	10200.	75	9917	No
475	GOM_NL__2PRFIN20040122_215457_000001802023_00344_09917_1006.N1	22-JAN-2004 21:54:57	Bright	180.00	51	41Gam1Leo	2.0100	4500.0	360	9917	No
476	GOM_NL__2PRFIN20040122_220205_000000372023_00344_09917_1007.N1	22-JAN-2004 22:02:05	Bright	37.000	49	1Alp UMi	1.9900	6300.0	74	9917	No
477	GOM_NL__2PRFIN20040122_220543_000000412023_00344_09917_1008.N1	22-JAN-2004 22:05:43	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	9917	No
478	GOM_NL__2PRFIN20040122_220715_000000522023_00344_09917_1009.N1	22-JAN-2004 22:07:15	Bright	51.500	32	77Eps UMa	1.7630	11000.	103	9917	No
479	GOM_NL__2PRFIN20040122_221013_000000402023_00344_09917_1010.N1	22-JAN-2004 22:10:13	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	9917	No
480	GOM_NL__2PRFIN20040122_221302_000000372023_00344_09917_1011.N1	22-JAN-2004 22:13:02	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	9917	No
481	GOM_NL__2PRFIN20040122_221622_000000392023_00344_09917_1012.N1	22-JAN-2004 22:16:22	Bright	39.000	5	3Alp Lyr	0.033000	11000.	78	9917	No
482	GOM_NL__2PRFIN20040122_221926_000000402023_00344_09917_1013.N1	22-JAN-2004 22:19:26	Bright	40.000	133	40Zet Her	2.8070	6000.0	80	9917	No
483	GOM_NL__2PRFIN20040122_222238_000000692023_00344_09917_1014.N1	22-JAN-2004 22:22:38	Bright	68.500	83		2.3780	11000.	137	9917	No
484	GOM_NL__2PRFIN20040122_222628_000000362023_00344_09917_1015.N1	22-JAN-2004 22:26:28	Bright	36.000	126	60Bet Oph	2.7700	4250.0	72	9917	No
485	GOM_NL__2PRFIN20040122_222824_000001382023_00344_09917_1016.N1	22-JAN-2004 22:28:24	Tw_i_and_stray	137.50	3	16Alp Boo	-0.050000	4250.0	275	9917	No
486	GOM_NL__2PRFIN20040122_223200_000000452023_00344_09917_1017.N1	22-JAN-2004 22:32:00	Bright	45.000	98	13Zet Oph	2.5710	30000.	90	9917	No
487	GOM_NL__2PRFIN20040122_223629_000000552023_00344_09917_1018.N1	22-JAN-2004 22:36:29	Twilight	55.000	16	21Alp Sco	1.0200	3000.0	110	9917	No
488	GOM_NL__2PRFIN20040122_223805_000000382023_00344_09917_1019.N1	22-JAN-2004 22:38:05	Twilight	37.500	115	34Ups Sco	2.6960	26000.	75	9917	No
489	GOM_NL__2PRFIN20040122_223933_000000422023_00344_09917_1020.N1	22-JAN-2004 22:39:33	Dark	41.500	40	The Sco	1.8590	7100.0	83	9917	No
490	GOM_NL__2PRFIN20040122_224159_000000422023_00344_09917_1021.N1	22-JAN-2004 22:41:59	Dark	41.500	131	Gam Lup	2.8000	26000.	83	9917	No
491	GOM_NL__2PRFIN20040122_224357_000000432023_00344_09917_1022.N1	22-JAN-2004 22:43:57	Dark	42.500	109	Bet Lup	2.6770	26000.	85	9917	No
492	GOM_NL__2PRFIN20040122_224526_000000432023_00344_09917_1023.N1	22-JAN-2004 22:45:26	Dark	42.500	78	Alp Lup	2.3040	28000.	85	9917	No
493	GOM_NL__2PRFIN20040122_224739_000000432023_00345_09918_0984.N1	22-JAN-2004 22:47:39	Dark	42.500	4	Alp1Cen	-0.010000	5800.0	85	9918	No
494	GOM_NL__2PRFIN20040122_224901_000000432023_00345_09918_0985.N1	22-JAN-2004 22:49:01	Dark	43.000	77	Eps Cen	2.3030	28000.	86	9918	No
495	GOM_NL__2PRFIN20040122_225210_000000432023_00345_09918_0986.N1	22-JAN-2004 22:52:10	Dark	43.000	12	Alp1Cru	0.77500	30000.	86	9918	No
496	GOM_NL__2PRFIN20040122_225334_000000452023_00345_09918_0987.N1	22-JAN-2004 22:53:34	Dark	45.000	99	Del Cen	2.5750	26000.	90	9918	No
497	GOM_NL__2PRFIN20040122_225621_000000382023_00345_09918_0988.N1	22-JAN-2004 22:56:21	Dark	38.000	29	Bet Car	1.6720	10200.	76	9918	No
498	GOM_NL__2PRFIN20040122_225829_000000422023_00345_09918_0989.N1	22-JAN-2004 22:58:29	Dark	41.500	71	lot Car	2.2460	7700.0	83	9918	No
499	GOM_NL__2PRFIN20040122_230018_000000452023_00345_09918_0990.N1	22-JAN-2004 23:00:18	Dark	45.000	46	Del Vel	1.9540	10600.	90	9918	No
500	GOM_NL__2PRFIN20040122_230253_000000442023_00345_09918_0991.N1	22-JAN-2004 23:02:53	Dark	44.000	2	Alp Car	-0.73600	7000.0	88	9918	No
501	GOM_NL__2PRFIN20040122_230504_000000412023_00345_09918_0992.N1	22-JAN-2004 23:05:04	Straylight	41.000	70	Zet Pup	2.2460	39000.	82	9918	No
502	GOM_NL__2PRFIN20040122_230635_000000442023_00345_09918_0993.N1	22-JAN-2004 23:06:35	Straylight	43.500	117	Pi Pup	2.7060	3800.0	87	9918	No
503	GOM_NL__2PRFIN20040122_230904_000000452023_00345_09918_0994.N1	22-JAN-2004 23:09:04	Straylight	45.000	23	21Eps CMa	1.5020	26000.	90	9918	No
504	GOM_NL__2PRFIN20040122_231028_000000402023_00345_09918_0995.N1	22-JAN-2004 23:10:28	Straylight	40.000	179	24Omi2CMa	3.0320	24000.	80	9918	No
505	GOM_NL__2PRFIN20040122_231238_000000462023_00345_09918_0996.N1	22-JAN-2004 23:12:38	Straylight	45.500	1	9Alp CMa	-1.4400	11000.	91	9918	No
506	GOM_NL__2PRFIN20040122_231511_000000432023_00345_09918_0997.N1	22-JAN-2004 23:15:11	Tw_i_and_stray	42.500	56	53Kap Ori	2.0650	30000.	85	9918	No
507	GOM_NL__2PRFIN20040122_231624_000000402023_00345_09918_0998.N1	22-JAN-2004 23:16:24	Tw_i_and_stray	39.500	125	44lot Ori	2.7700	30000.	79	9918	No
508	GOM_NL__2PRFIN20040122_231741_000000442023_00345_09918_0999.N1	22-JAN-2004 23:17:41	Tw_i_and_stray	44.000	30	46Eps Ori	1.6940	30000.	88	9918	No
509	GOM_NL__2PRFIN20040122_231948_000000522023_00345_09918_1000.N1	22-JAN-2004 23:19:48	Tw_i_and_stray	52.000	14	58Alp Ori	0.87000	3000.0	104	9918	No
510	GOM_NL__2PRFIN20040122_232202_000000412023_00345_09918_1001.N1	22-JAN-2004 23:22:02	Bright	41.000	44	24Gam Gem	1.9280	11000.	82	9918	No
511	GOM_NL__2PRFIN20040122_232347_000000412023_00345_09918_1002.N1	22-JAN-2004 23:23:47	Bright	41.000	151	13Mu Gem	2.8900	3000.0	82	9918	No
512	GOM_NL__2PRFIN20040122_232559_000000392023_00345_09918_1003.N1	22-JAN-2004 23:25:59	Bright	38.500	28	12Bet Tau	1.6500	15200.	77	9918	No
513	GOM_NL__2PRFIN20040122_232759_000000382023_00345_09918_1004.N1	22-JAN-2004 23:27:59	Bright	37.500	107	37The Aur	2.6490	11000.	75	9918	No
514	GOM_NL__2PRFIN20040122_233009_000000362023_00345_09918_1005.N1	22-JAN-2004 23:30:09	Bright	36.000	42	34Bet Aur	1.9000	10200.	72	9918	No

515	GOM_NL__2PRFIN20040122_233529_000001862023_00345_09918_1006.N1	22-JAN-2004 23:35:29	Bright	185.50	51	41Gam1Leo	2.0100	4500.0	371	9918	No
516	GOM_NL__2PRFIN20040122_234241_000000342023_00345_09918_1007.N1	22-JAN-2004 23:42:41	Bright	34.000	49	1Alp UMi	1.9900	6300.0	68	9918	No
517	GOM_NL__2PRFIN20040122_234619_000000402023_00345_09918_1008.N1	22-JAN-2004 23:46:19	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	9918	No
518	GOM_NL__2PRFIN20040122_234751_000000542023_00345_09918_1009.N1	22-JAN-2004 23:47:51	Bright	54.000	32	77Eps UMa	1.7630	11000.	108	9918	No
519	GOM_NL__2PRFIN20040122_235049_000000392023_00345_09918_1010.N1	22-JAN-2004 23:50:49	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	9918	No
520	GOM_NL__2PRFIN20040122_235338_000000372023_00345_09918_1011.N1	22-JAN-2004 23:53:38	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	9918	No
521	GOM_NL__2PRFIN20040122_235658_000000372023_00345_09918_1012.N1	22-JAN-2004 23:56:58	Bright	36.500	5	3Alp Lyr	0.033000	11000.	73	9918	No

3. Quality information per product

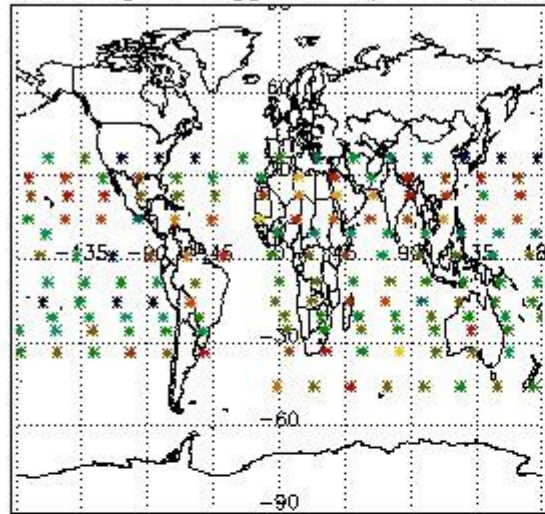
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

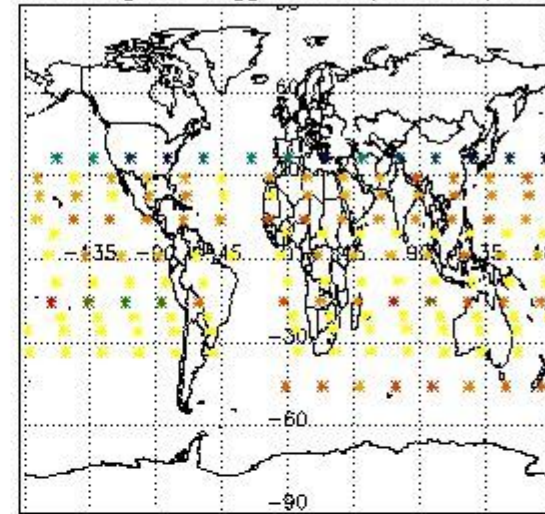


3.2 Plot quality information per product (world map)

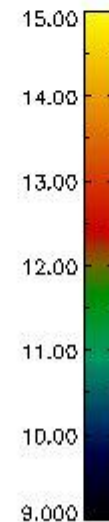
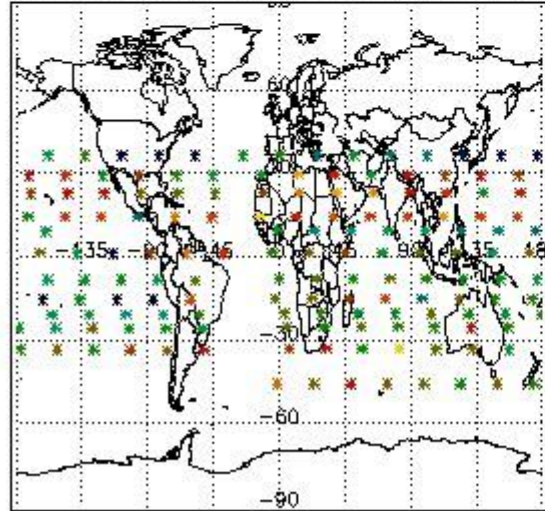
Percentage of flagged data per O3 profile



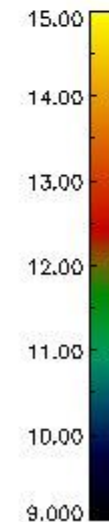
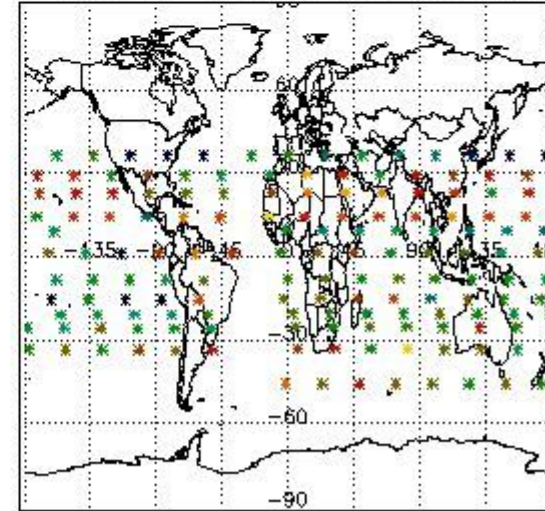
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

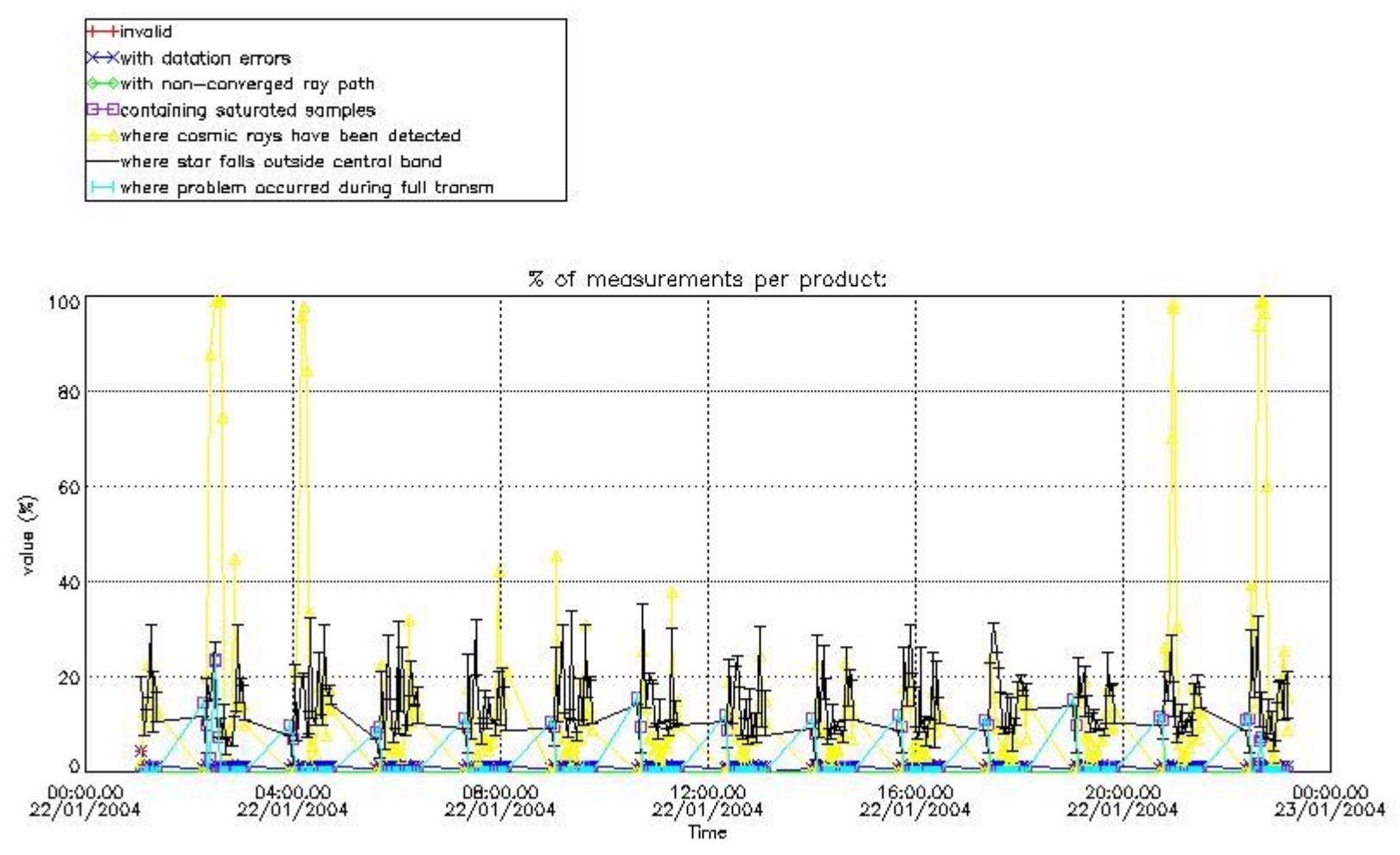


4. Level 1 quality information per product

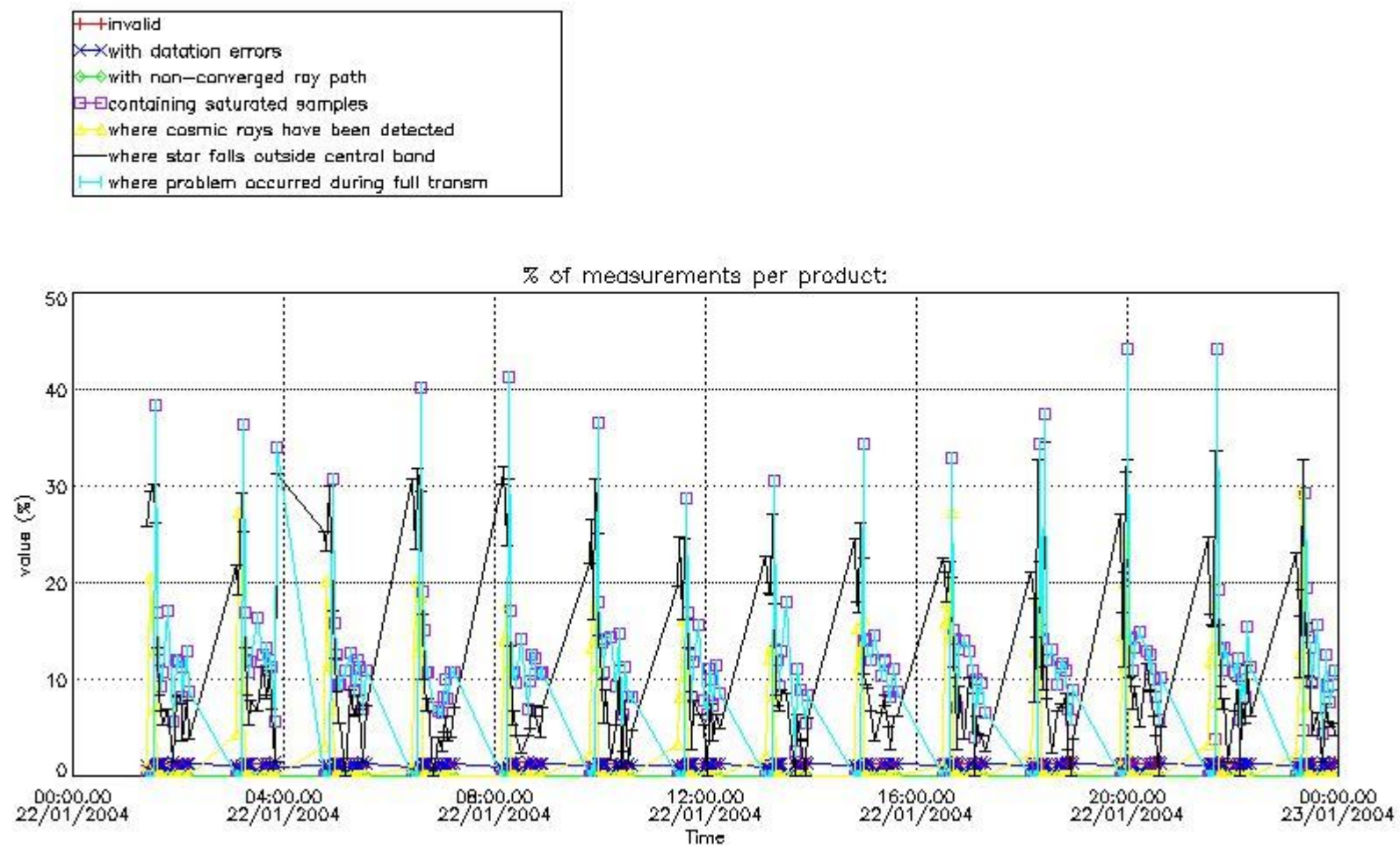
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



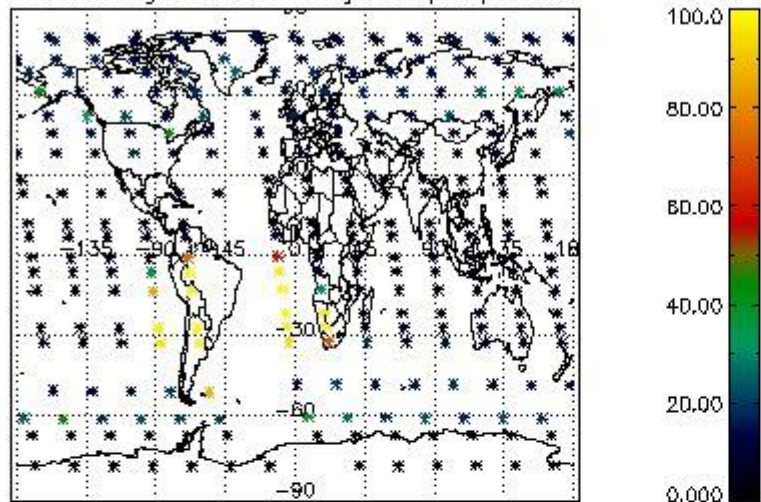
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



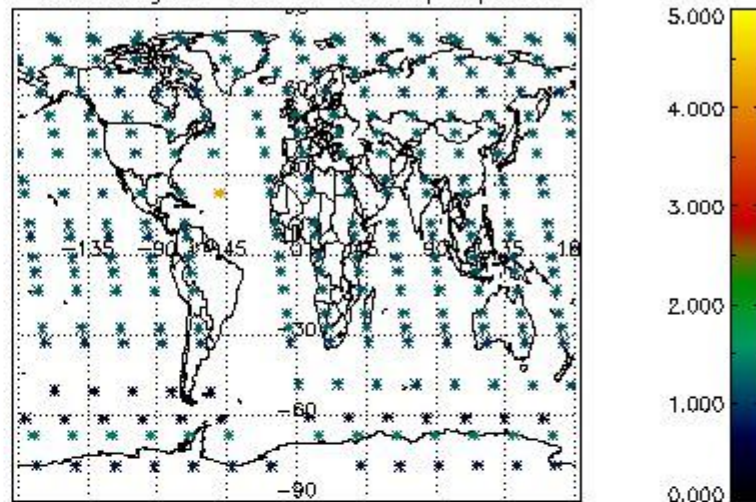
4.2 Plot quality information per product coming from level 1b processing (world map)

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

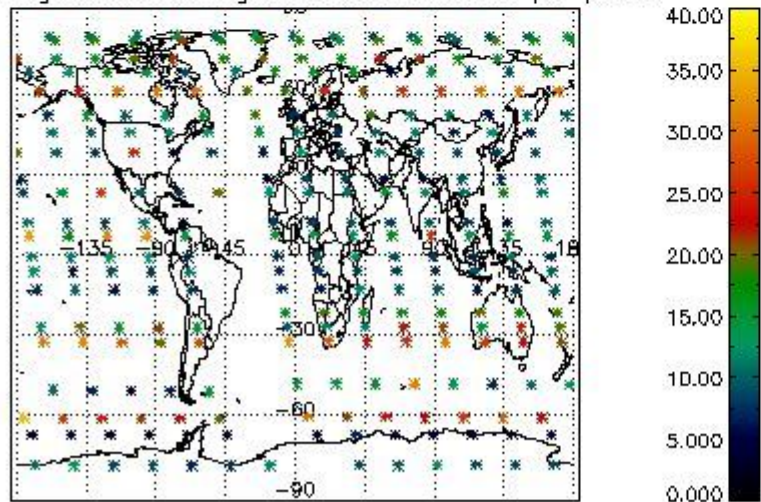
Percentage of cosmic ray hits per profile



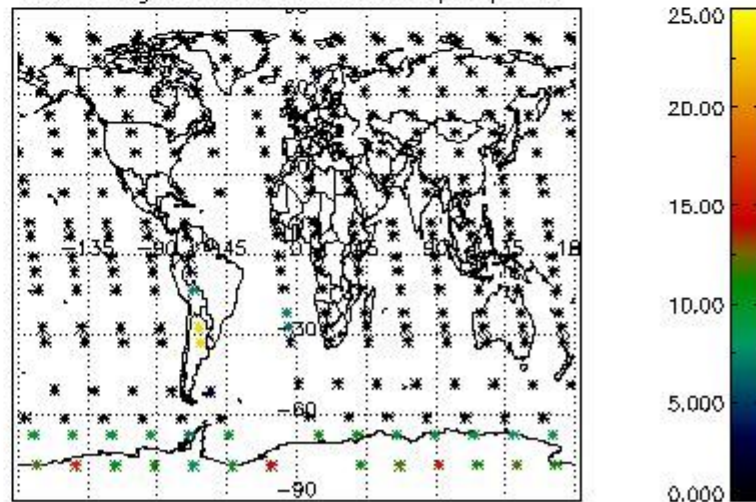
Percentage of datation errors per profile



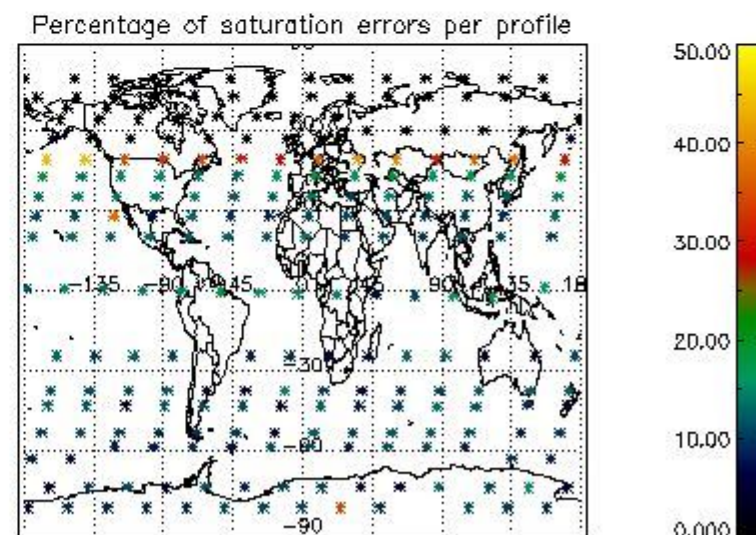
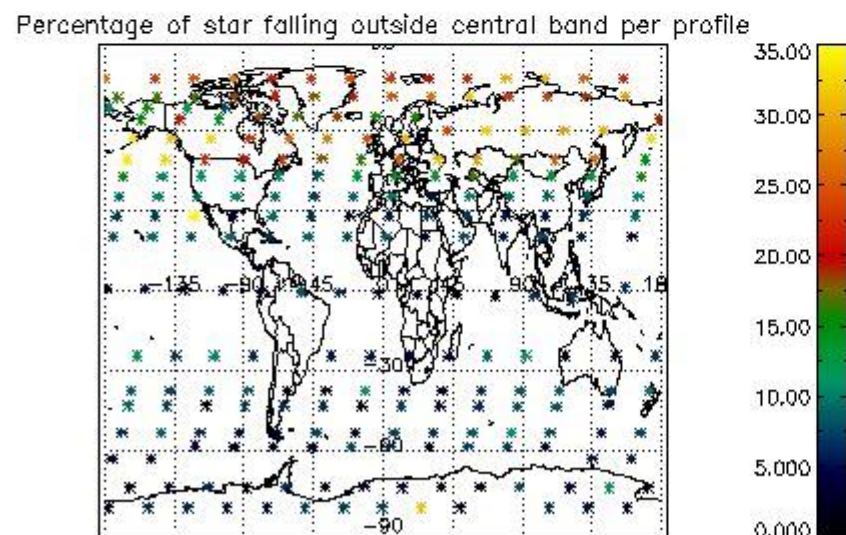
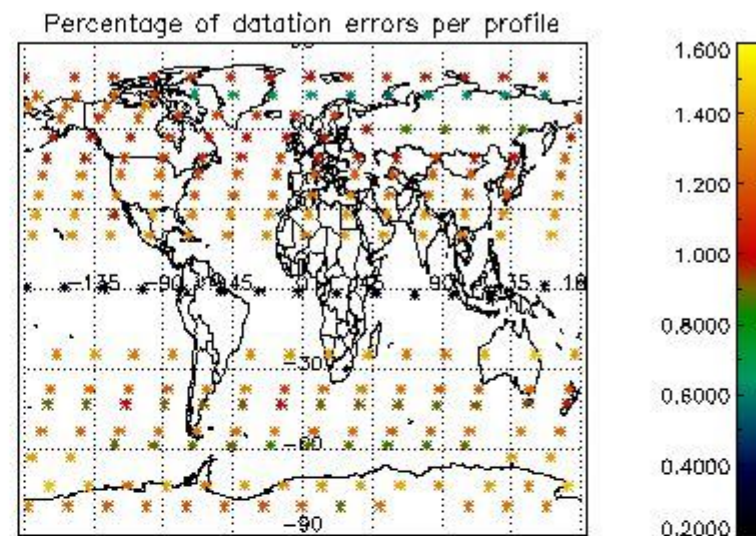
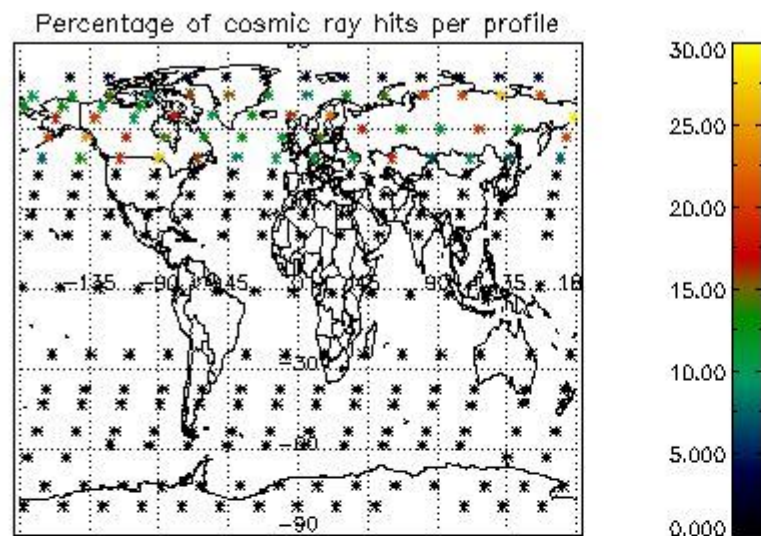
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

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

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

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

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

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

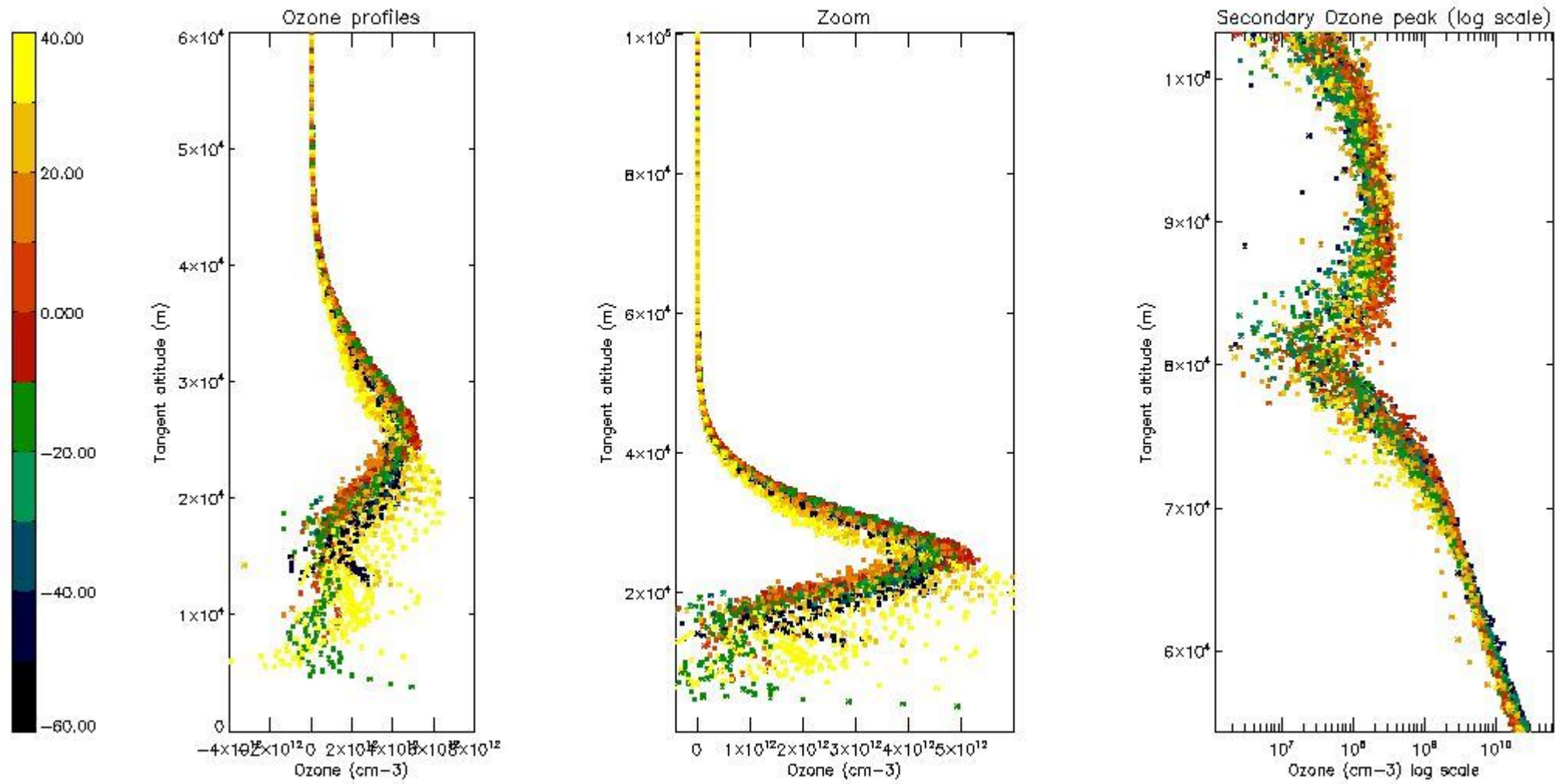
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	24
STD < 20	16

STD < 10	14
STD < 5	10

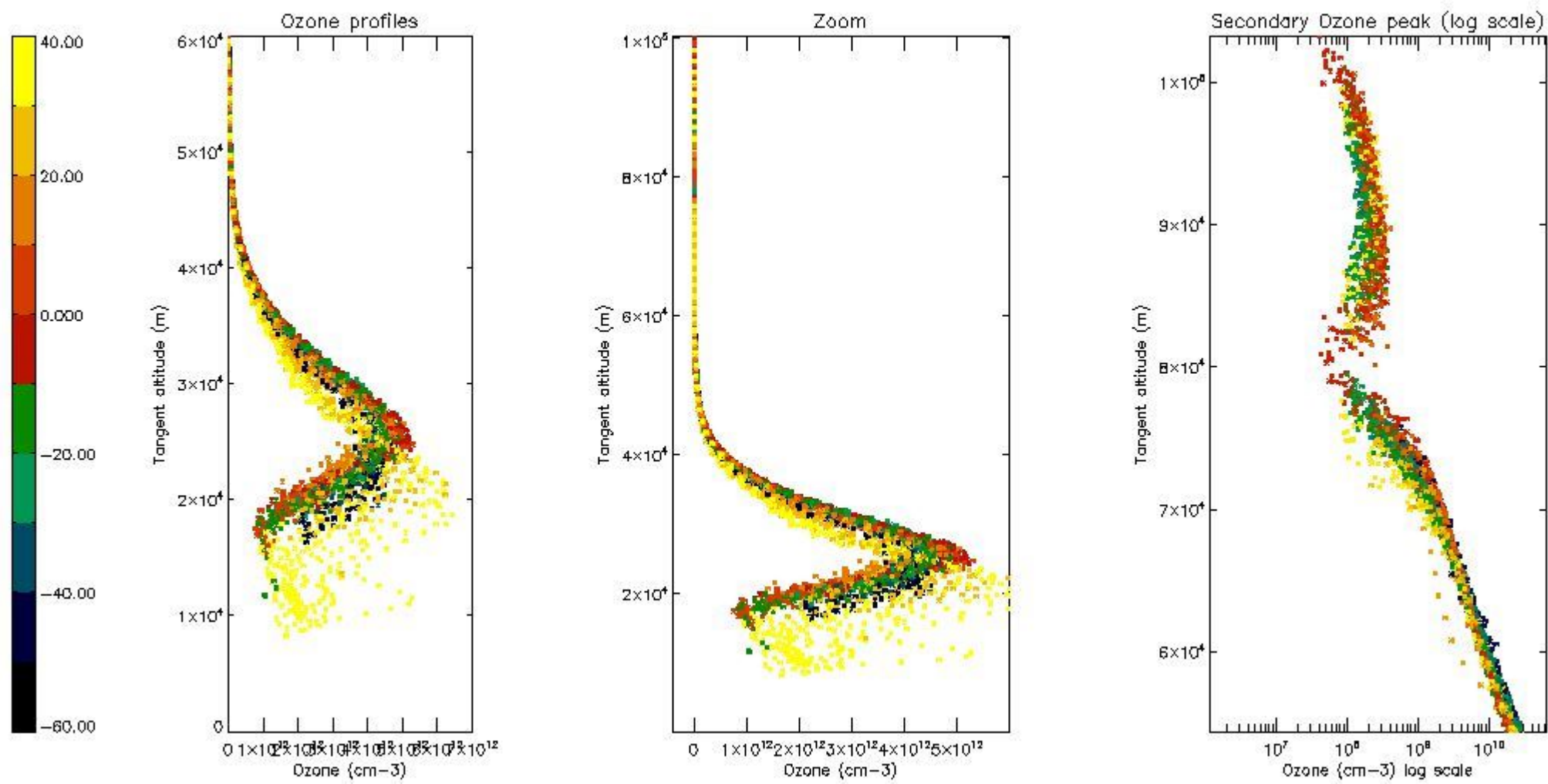
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



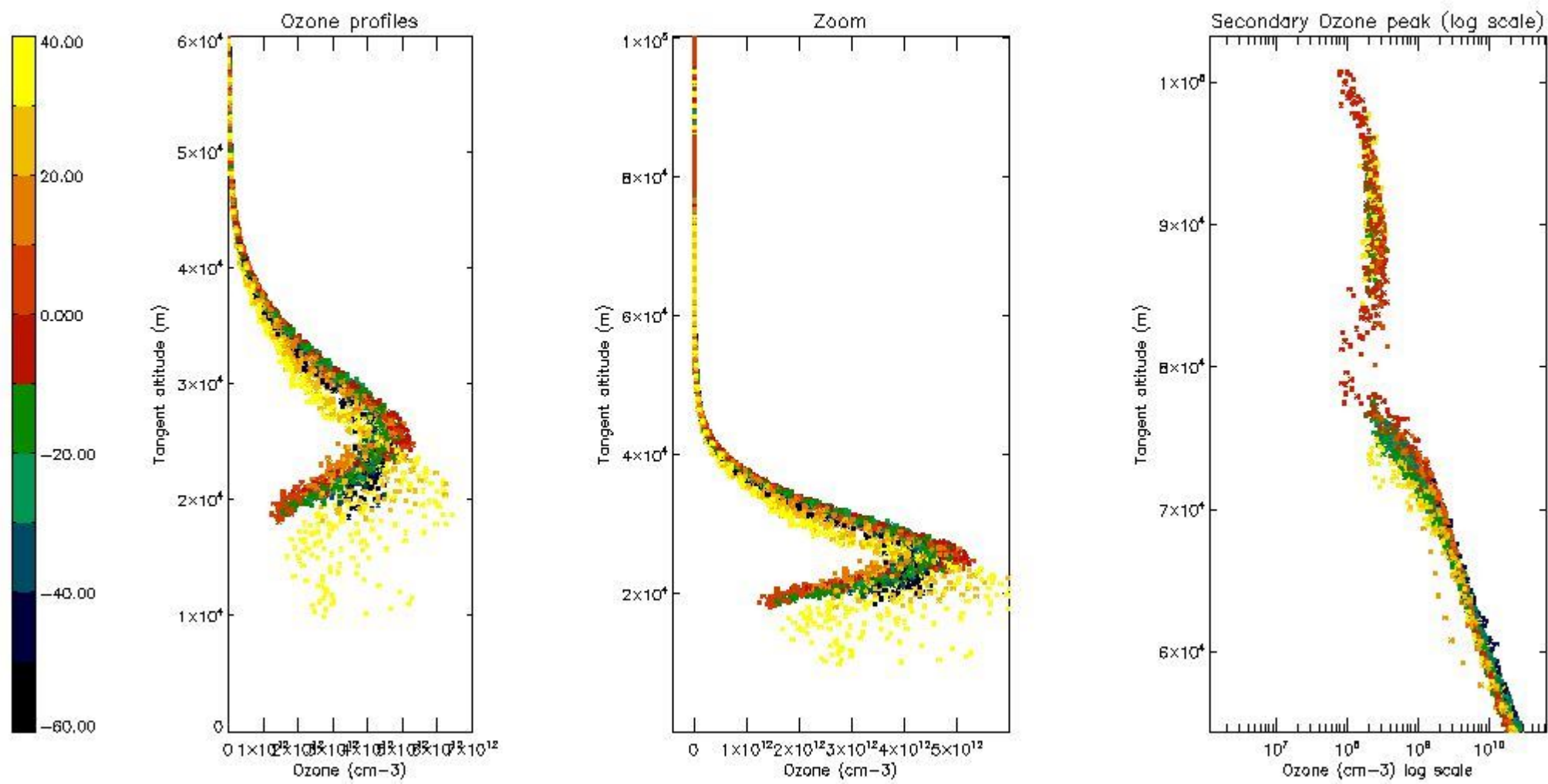
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



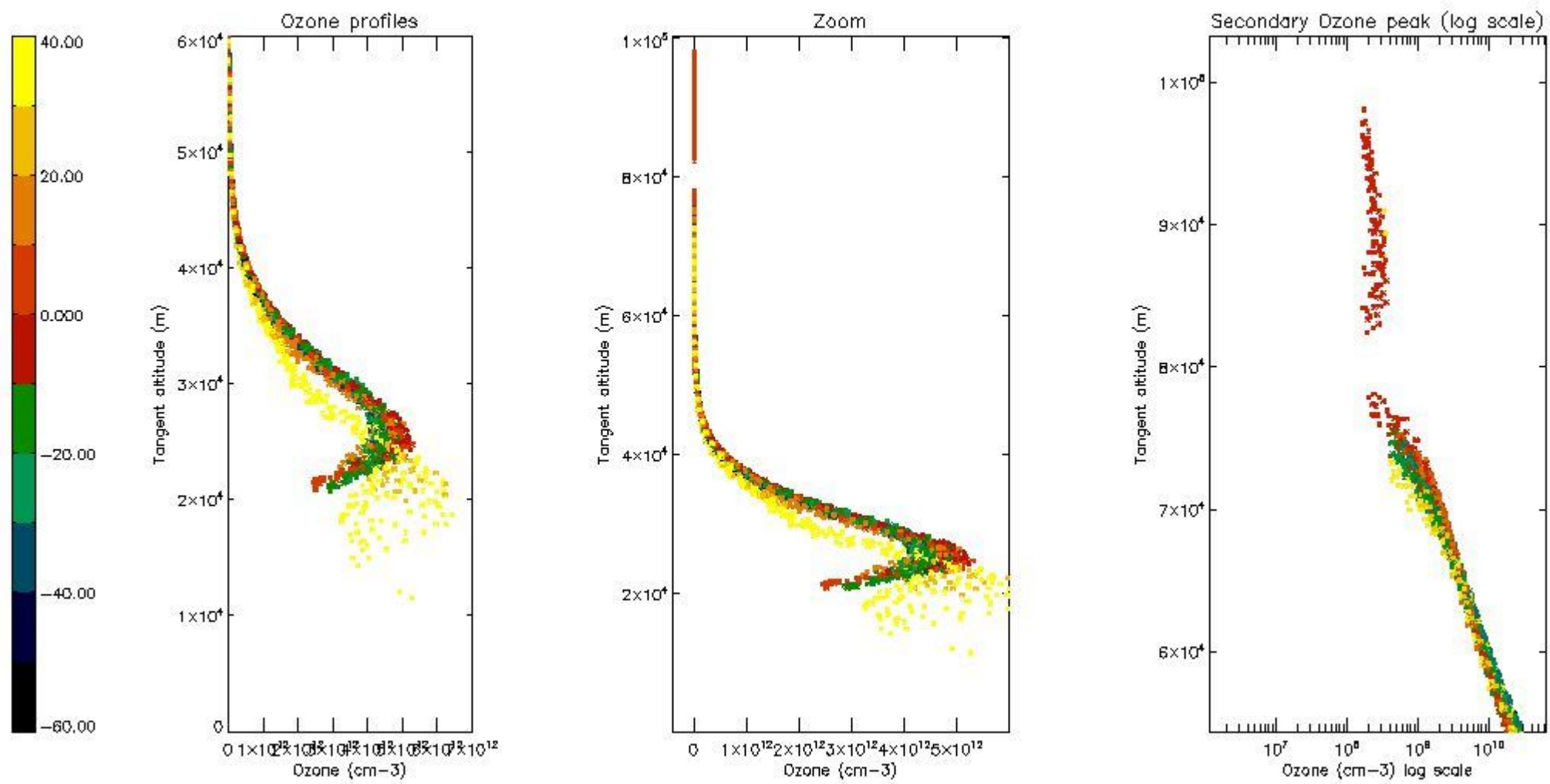
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



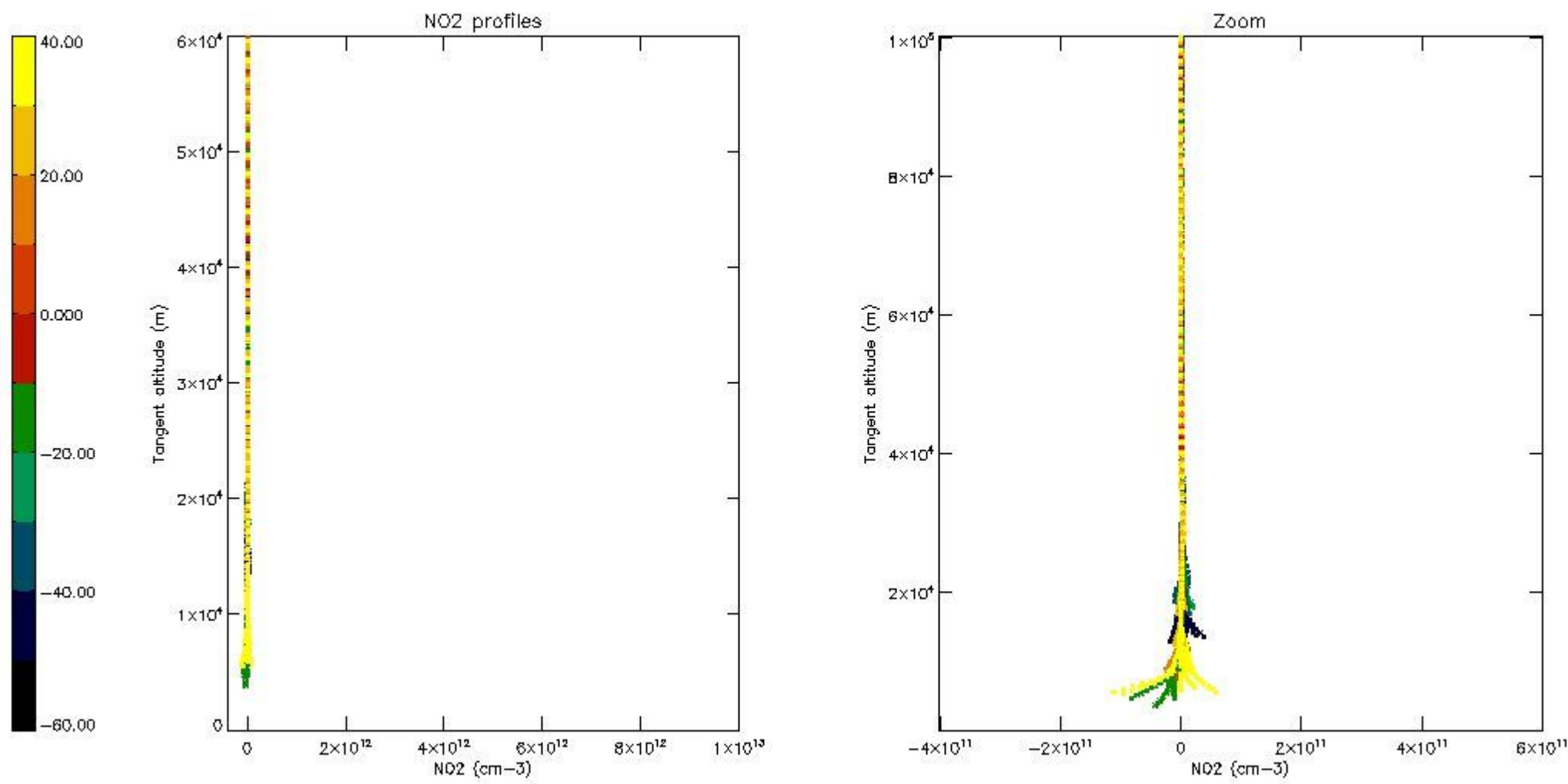
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



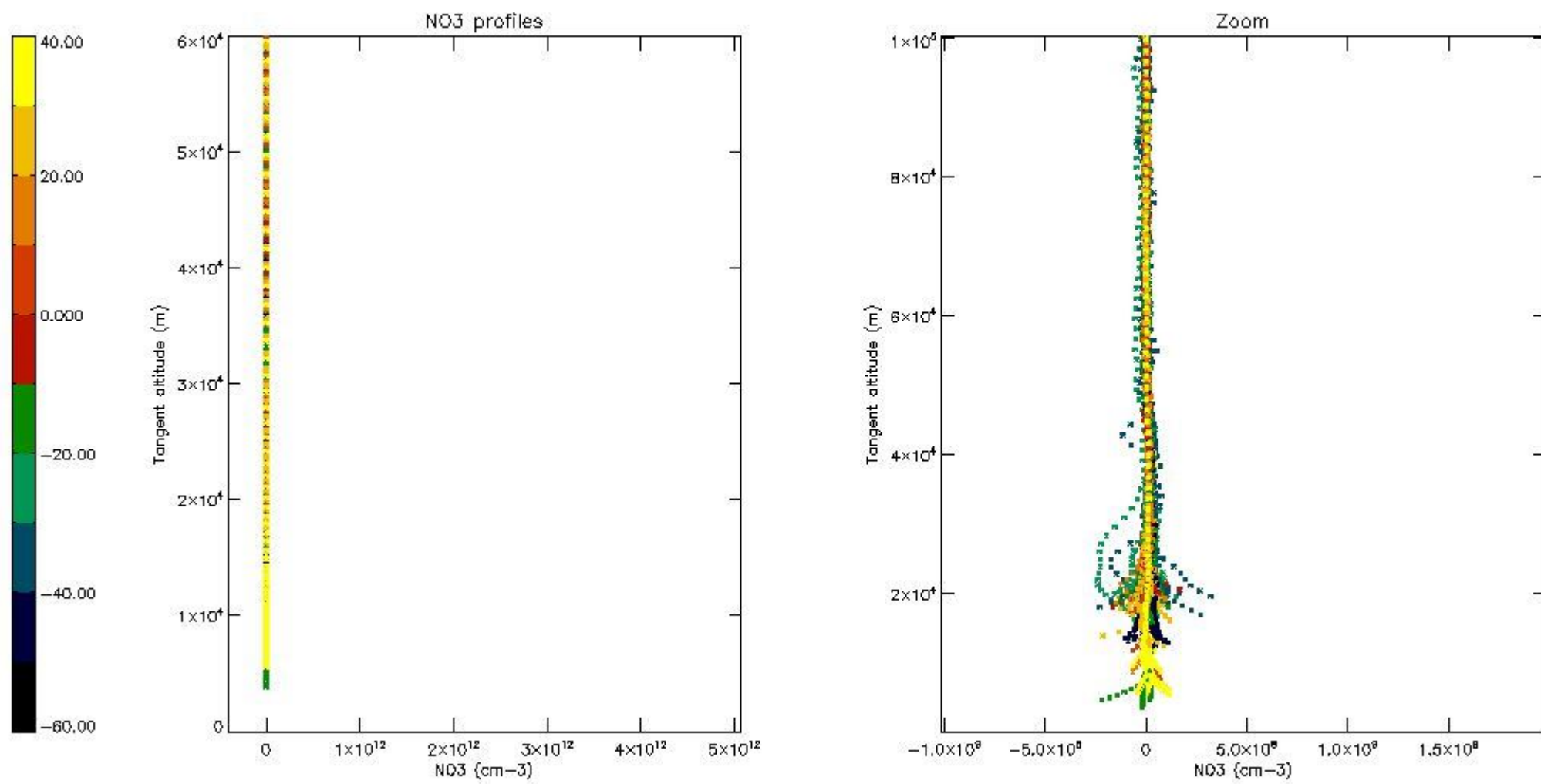
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



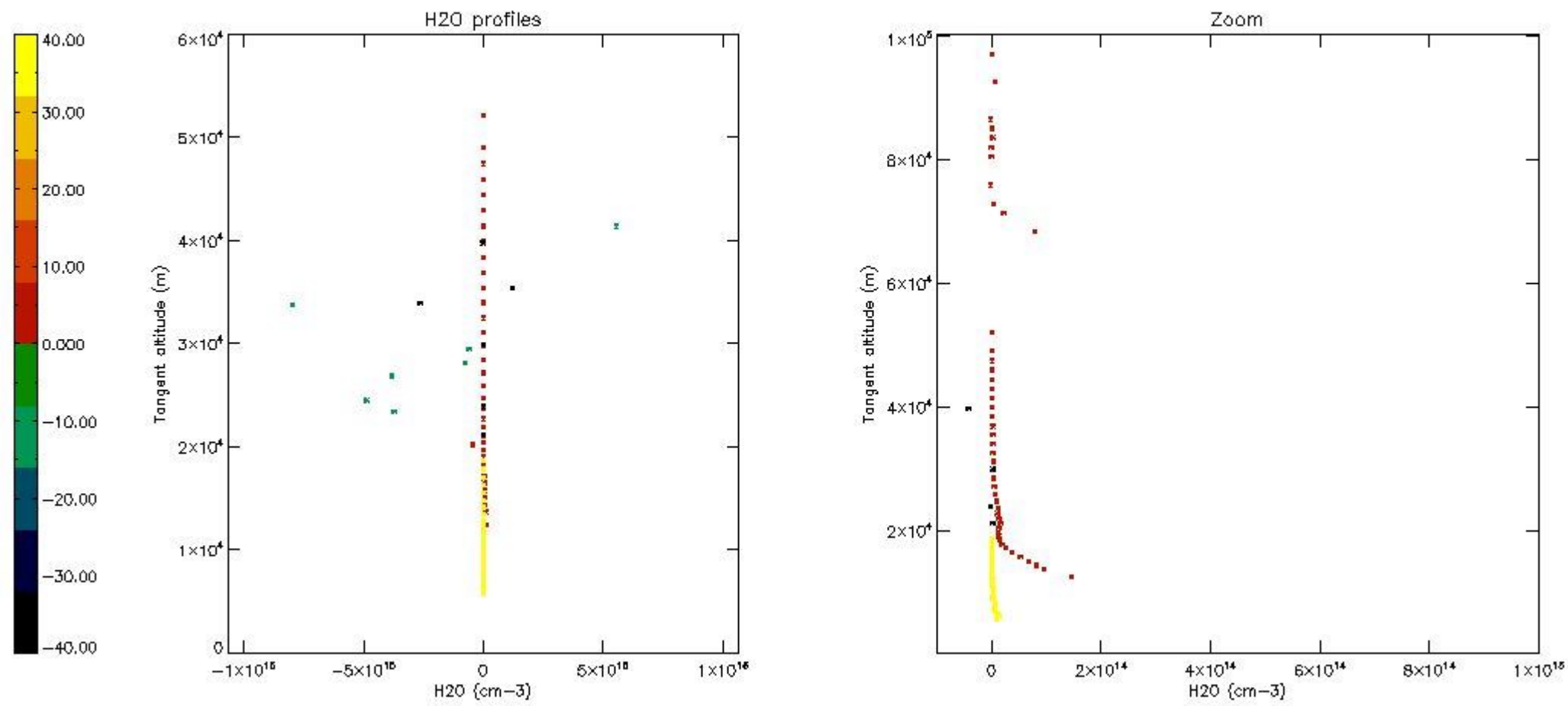
5.7 Plot NO3 profiles for all STD (dark without errors)

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)

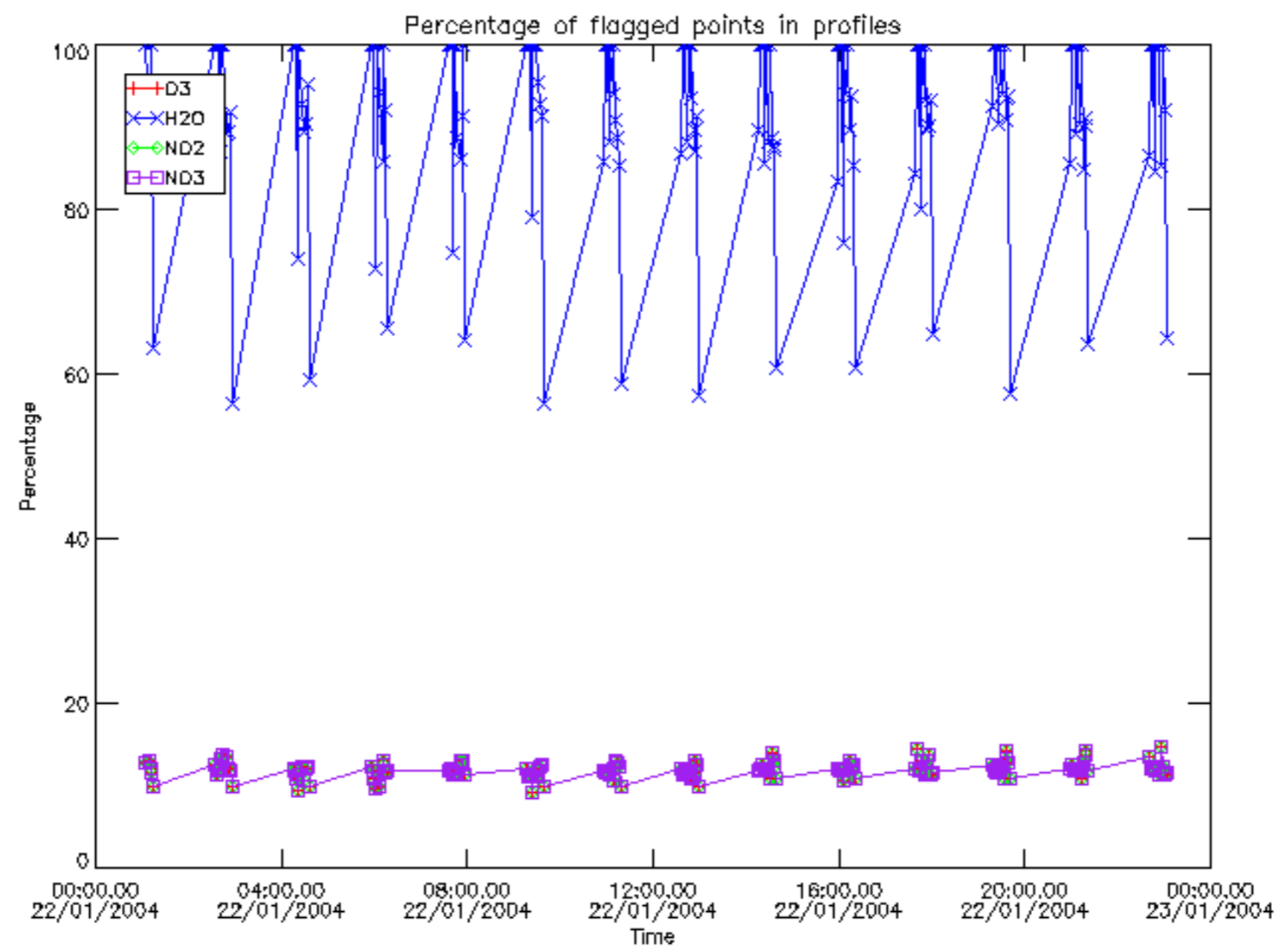
The colorbar represents the latitude.



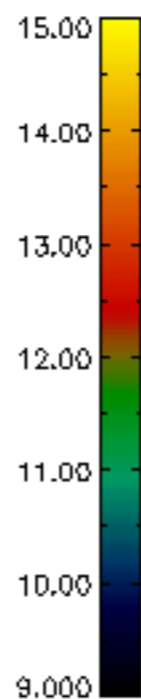
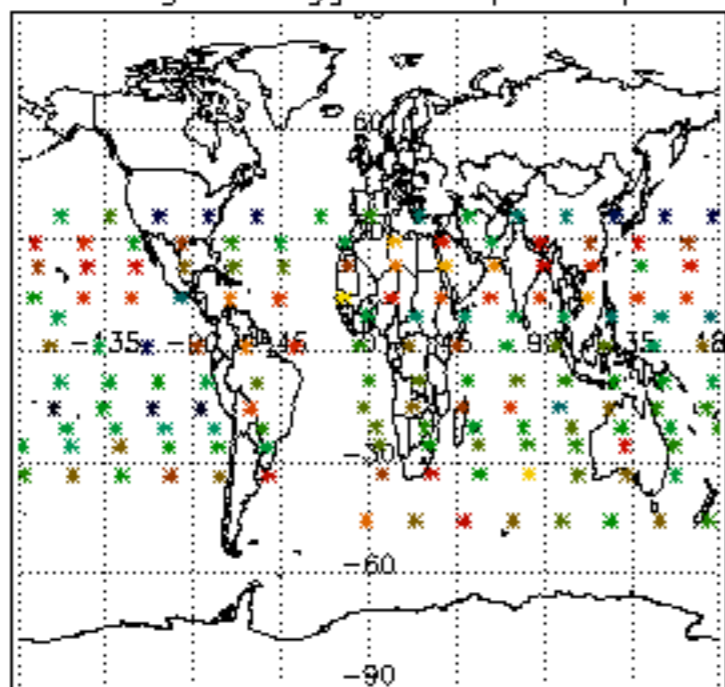
6. Auxiliary Data Files used for the production reported in section 2

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.

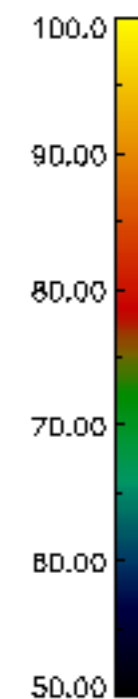
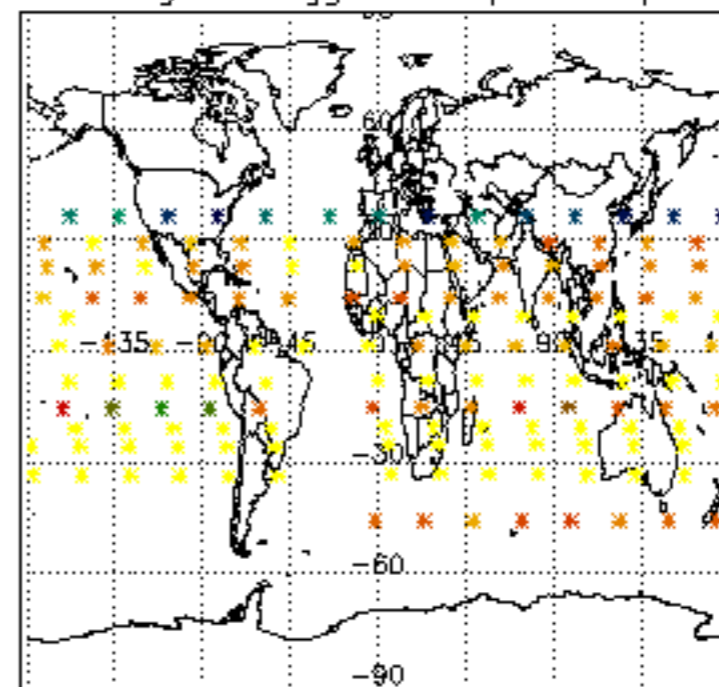
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	22-JAN-2004 01:04:15
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	22-JAN-2004 01:04:15
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	22-JAN-2004 01:04:15



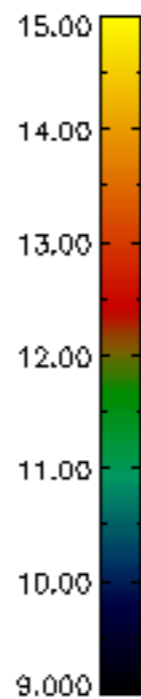
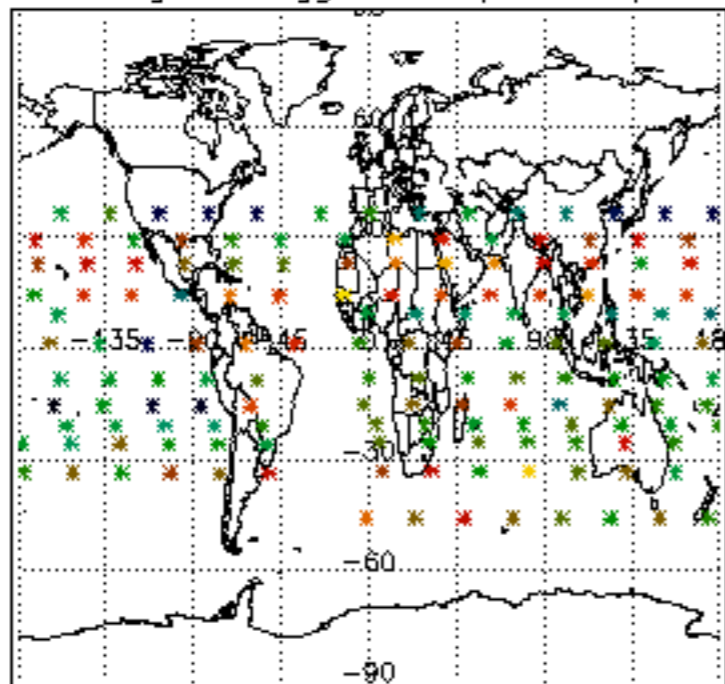
Percentage of flagged data per D3 profile



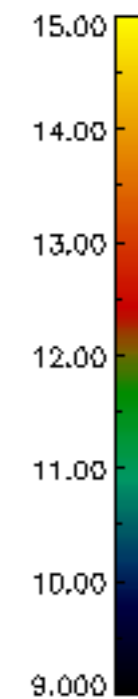
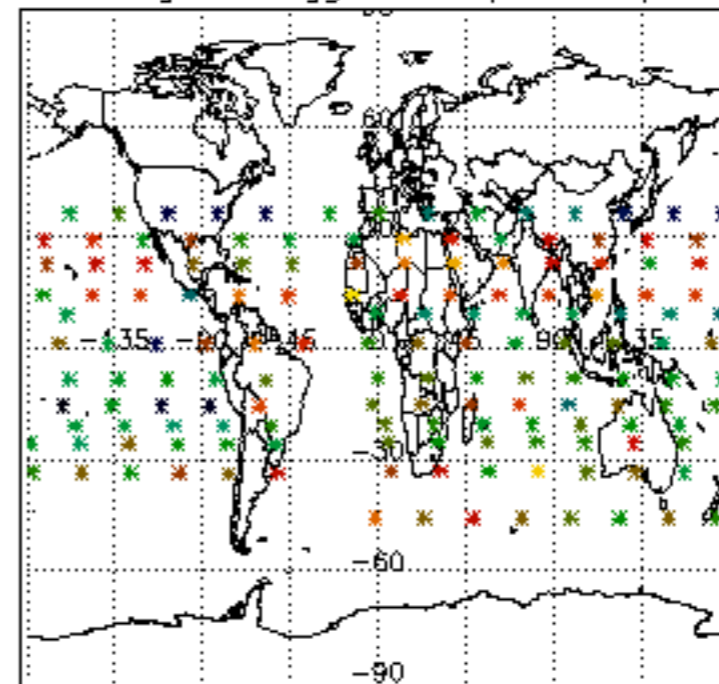
Percentage of flagged data per H2O profile

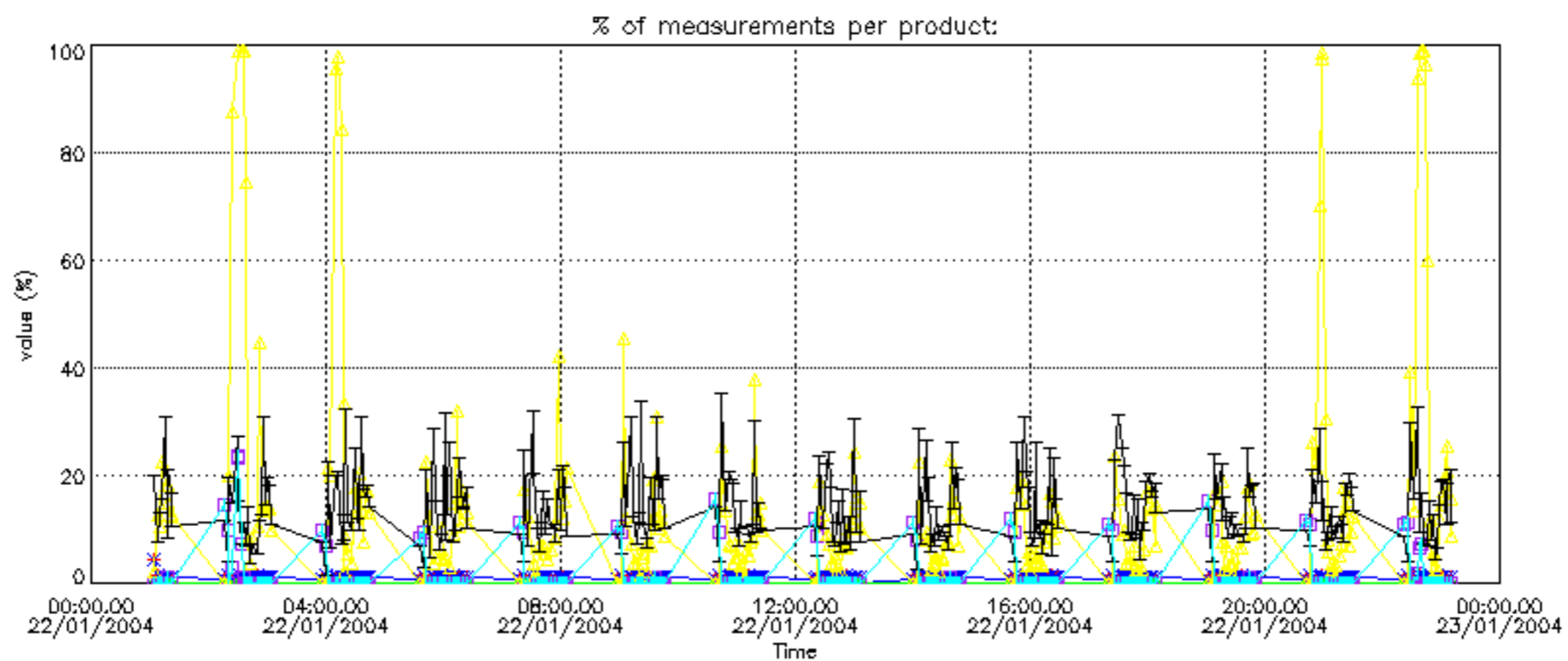


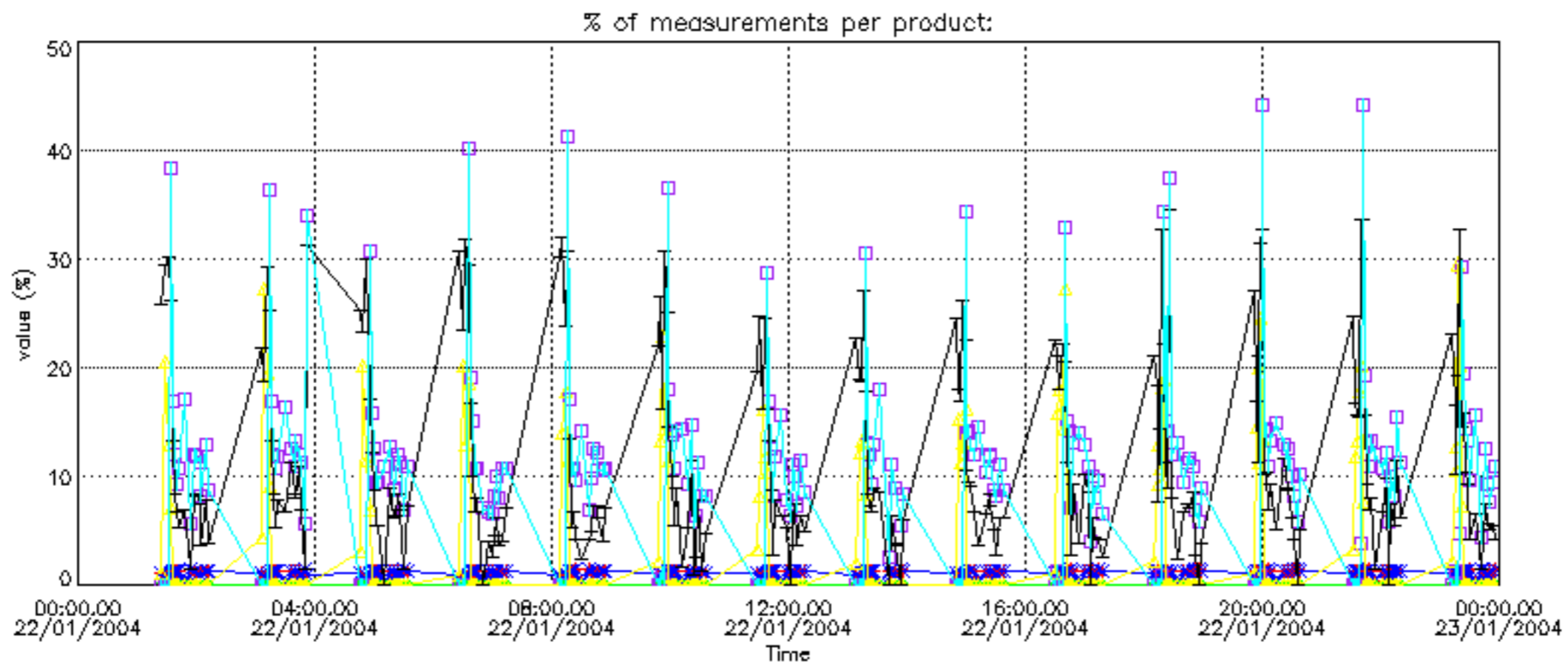
Percentage of flagged data per NO2 profile



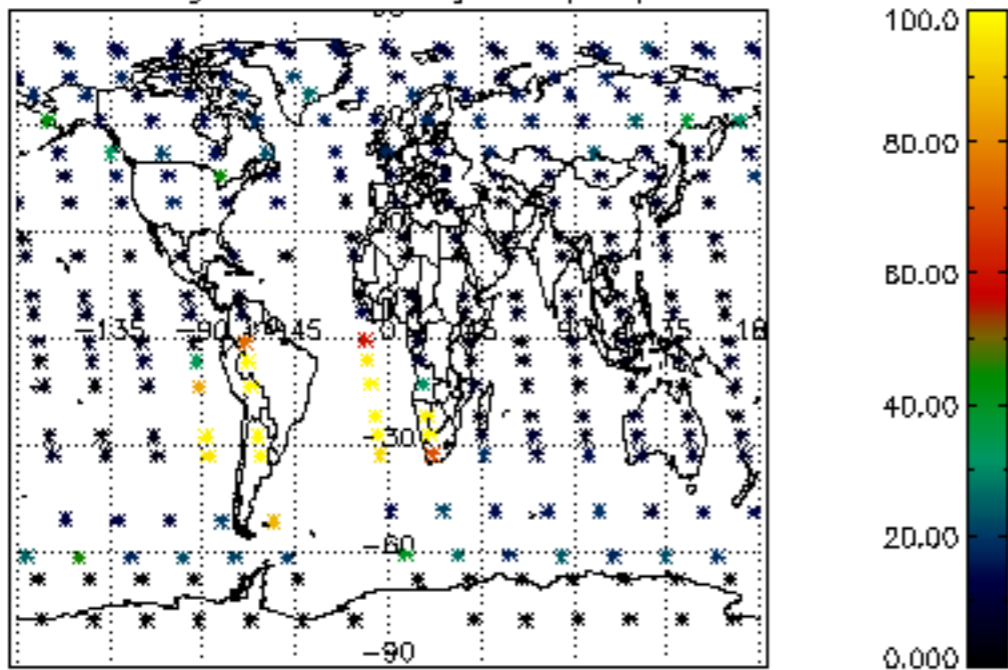
Percentage of flagged data per NO3 profile



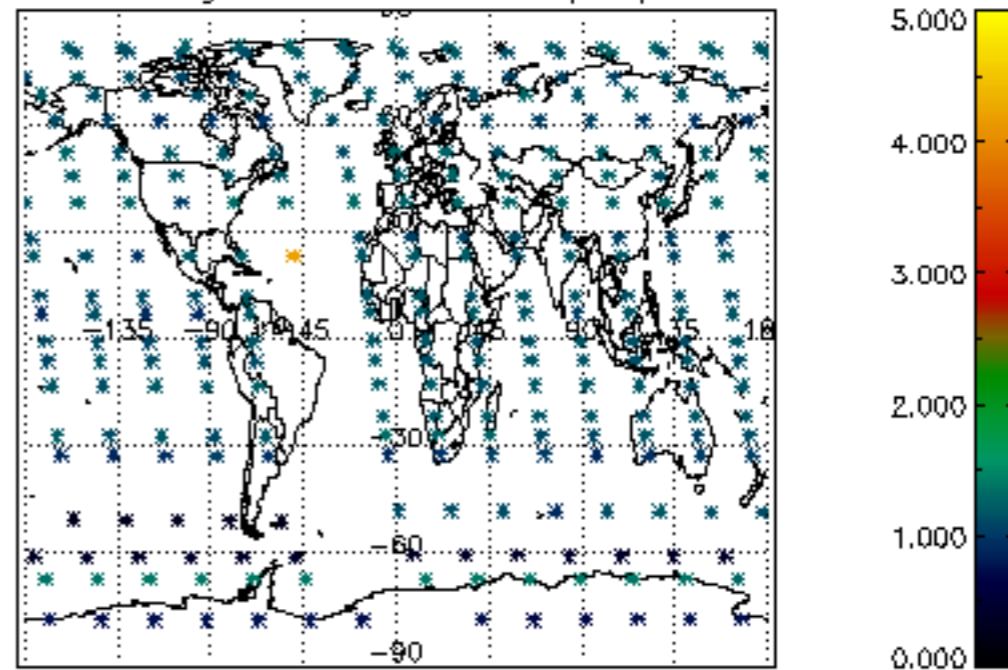




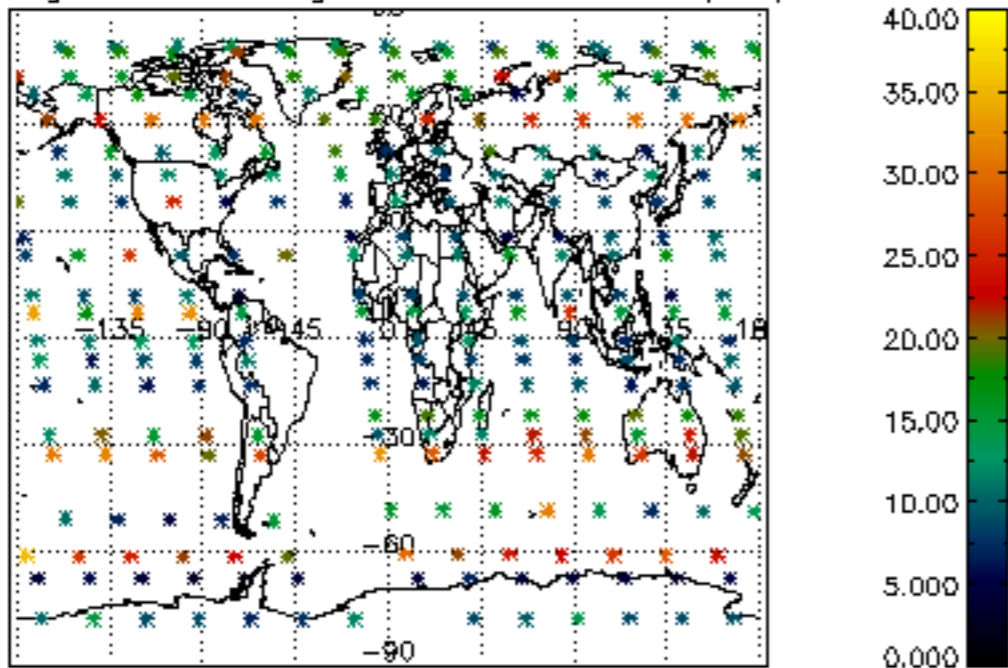
Percentage of cosmic ray hits per profile



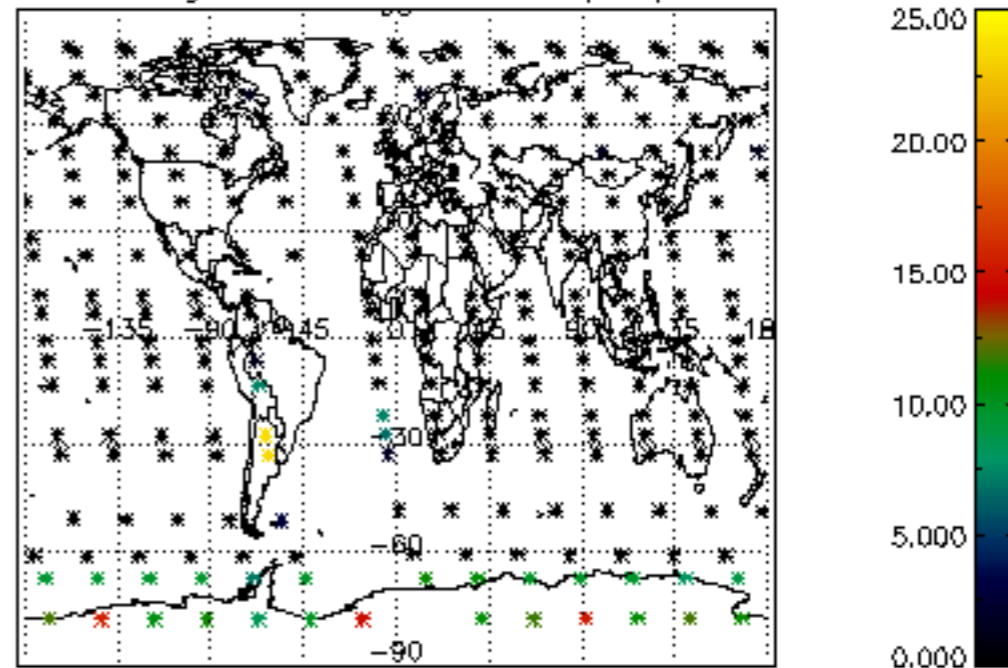
Percentage of datation errors per profile



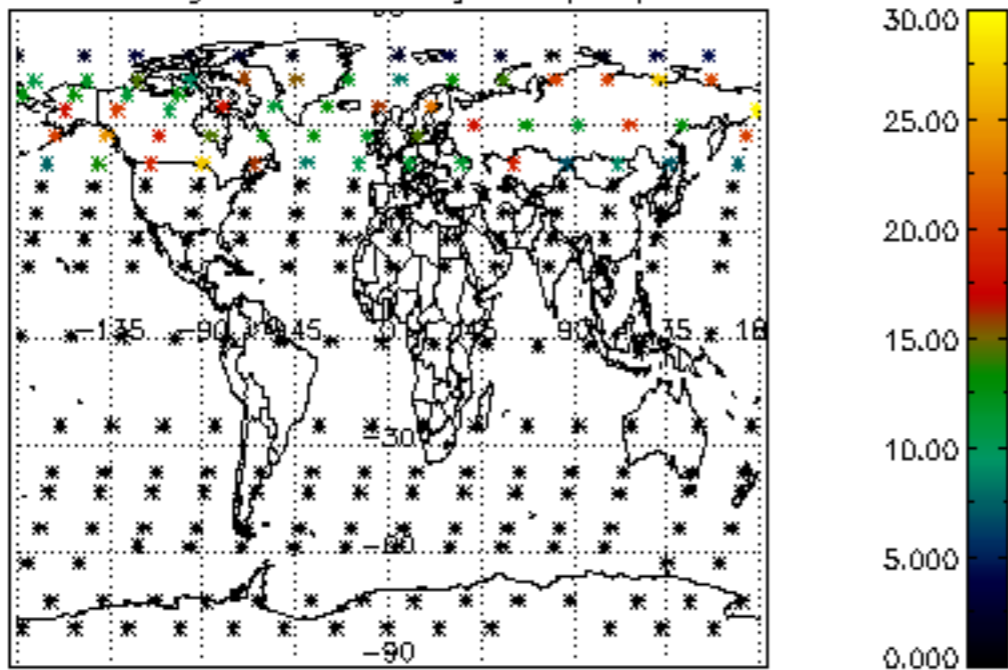
Percentage of star falling outside central band per profile



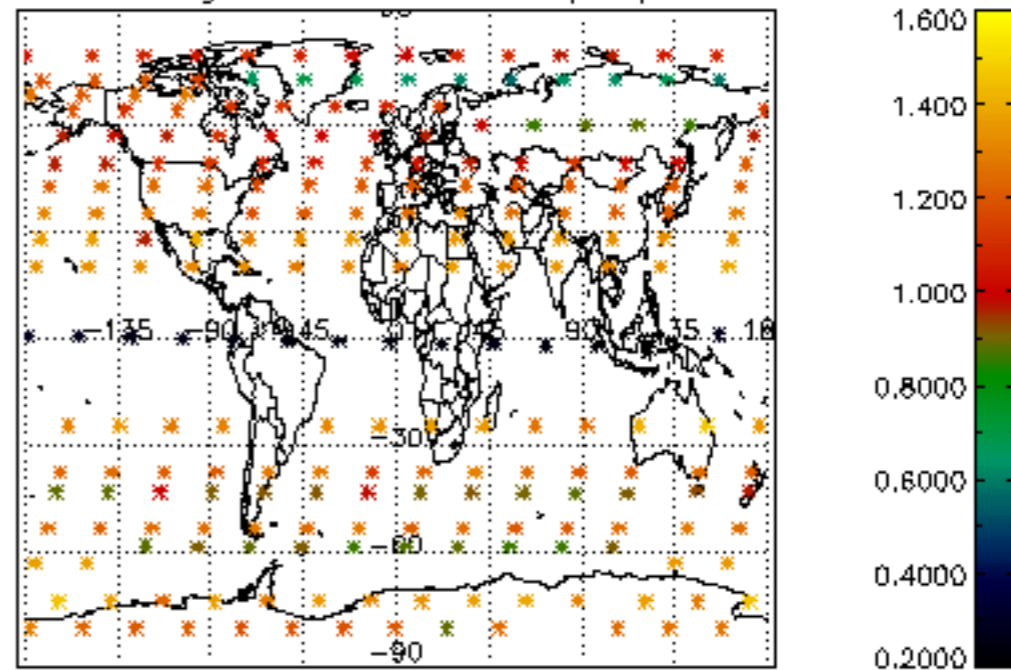
Percentage of saturation errors per profile



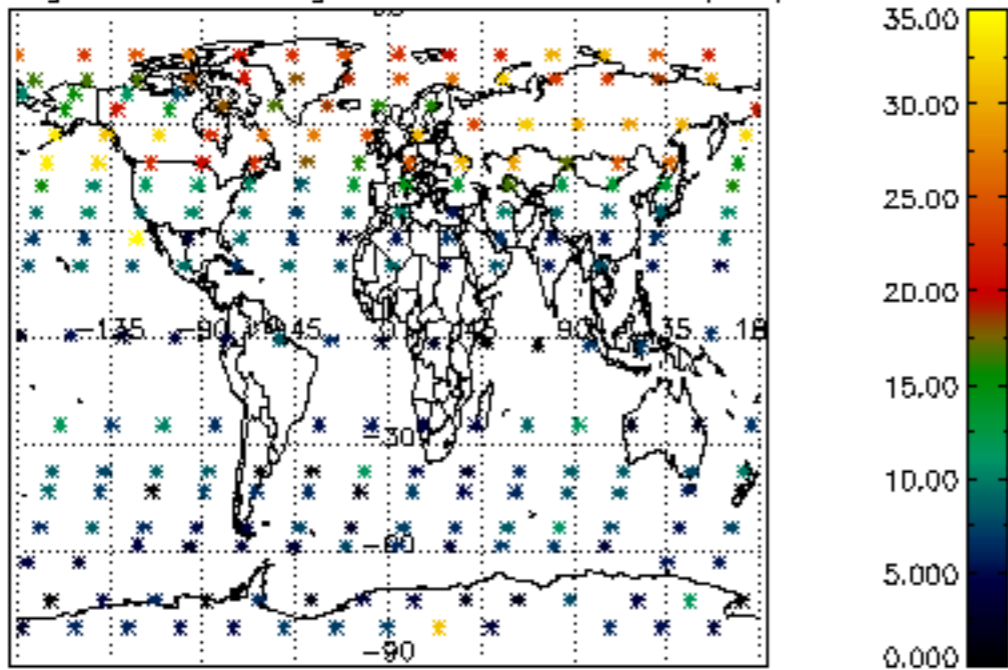
Percentage of cosmic ray hits per profile



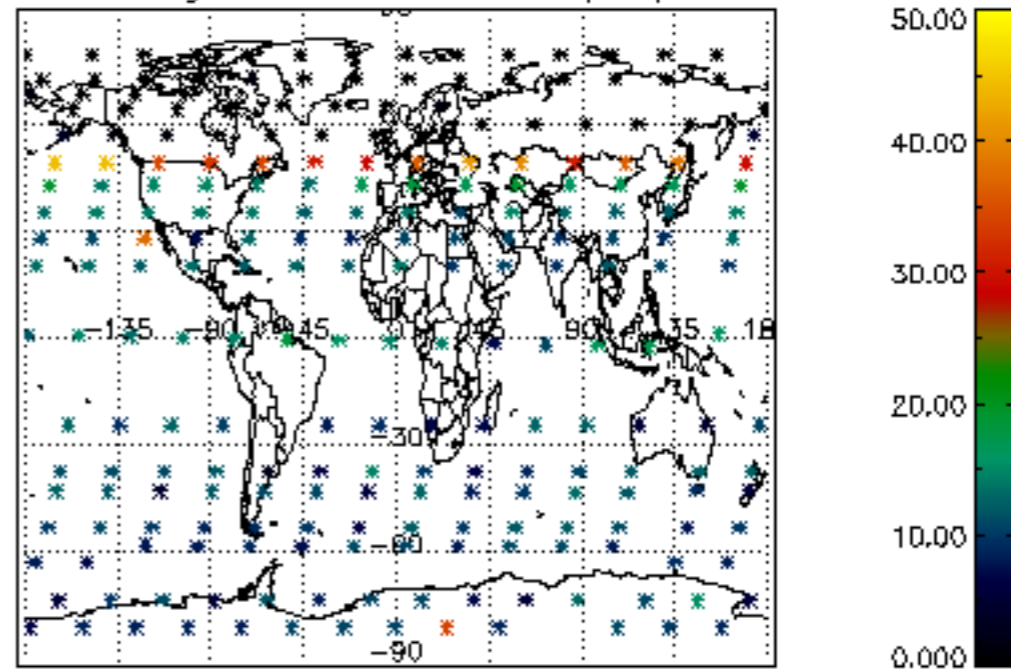
Percentage of datation errors per profile

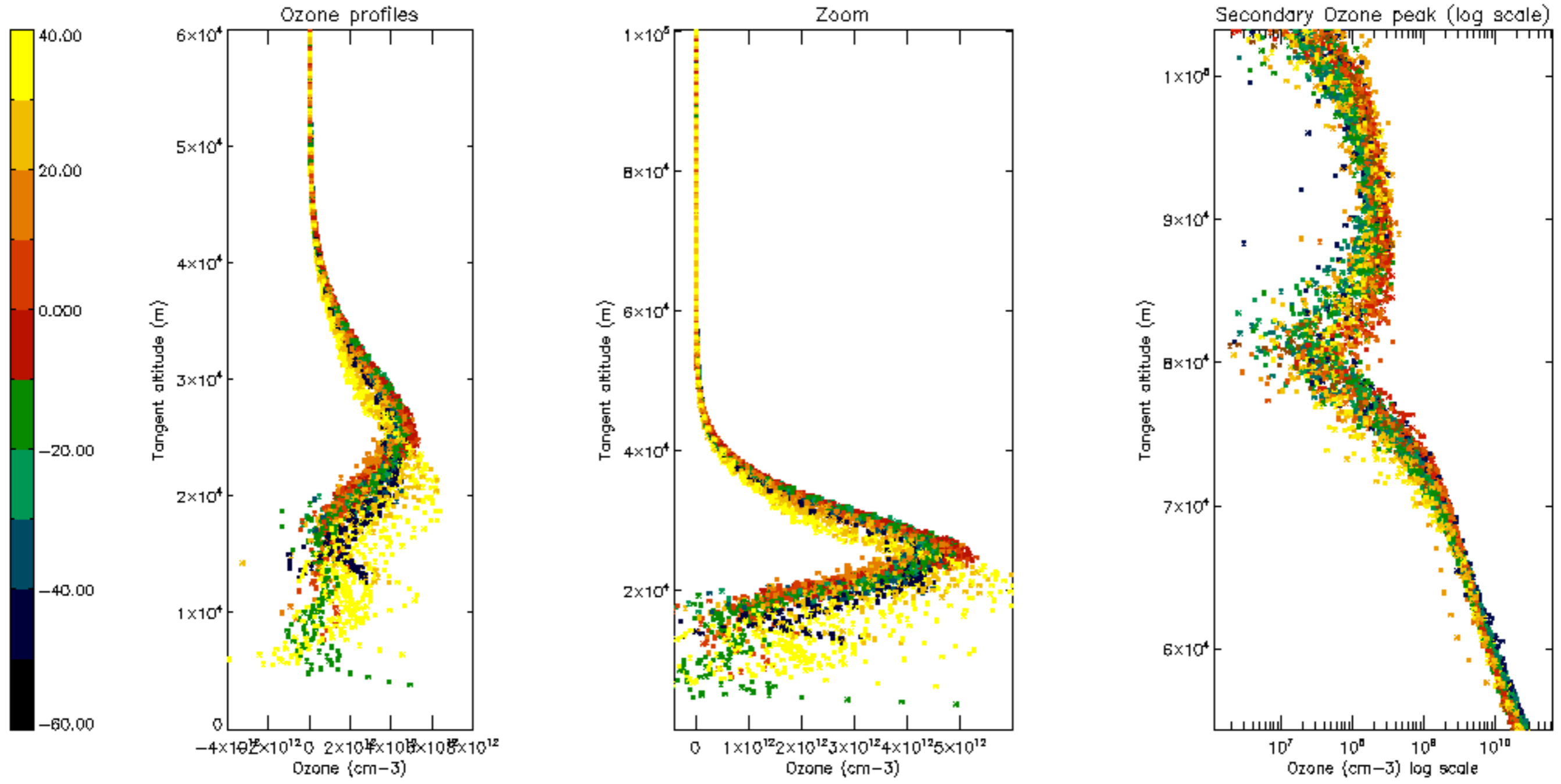


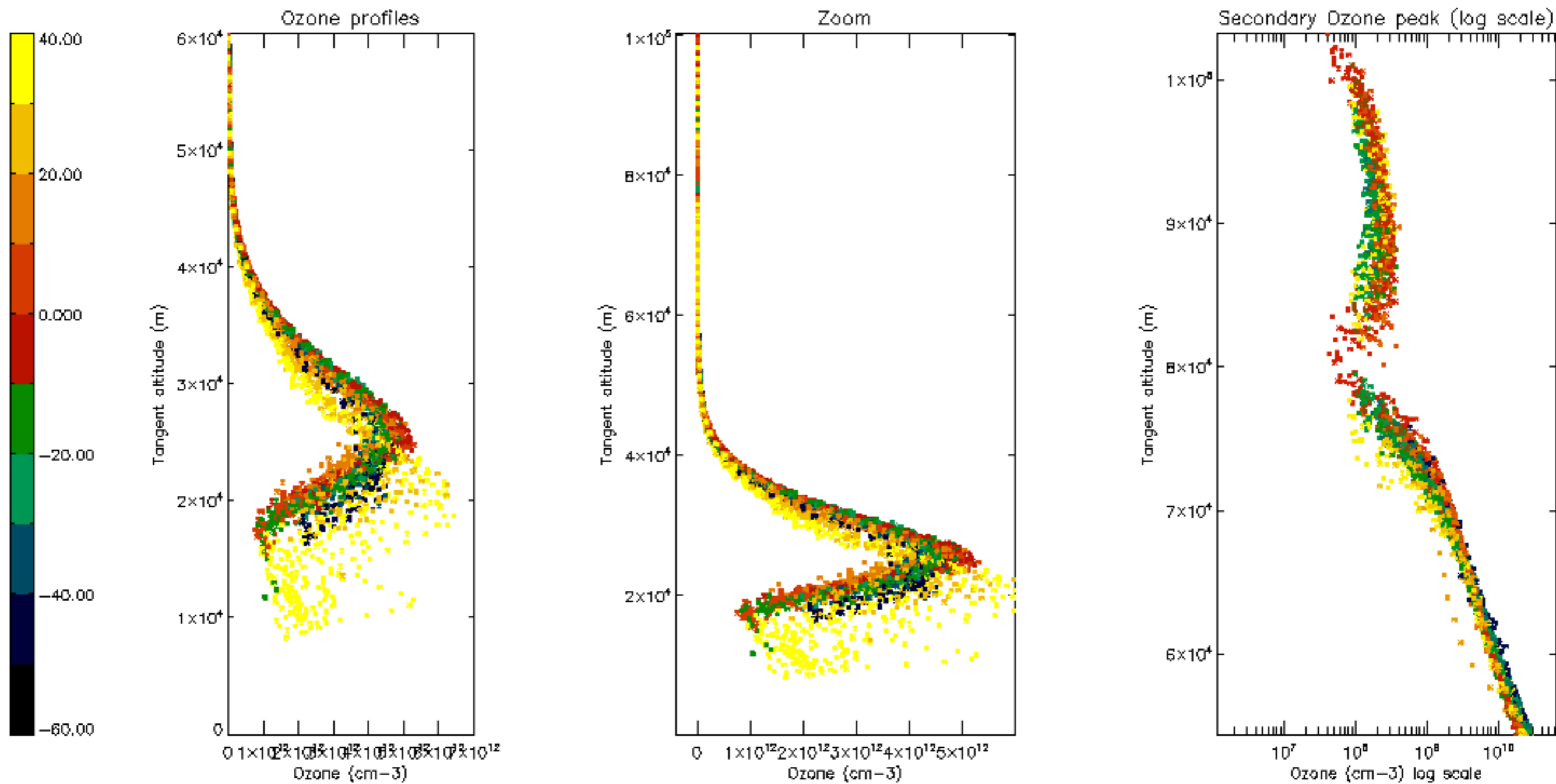
Percentage of star falling outside central band per profile

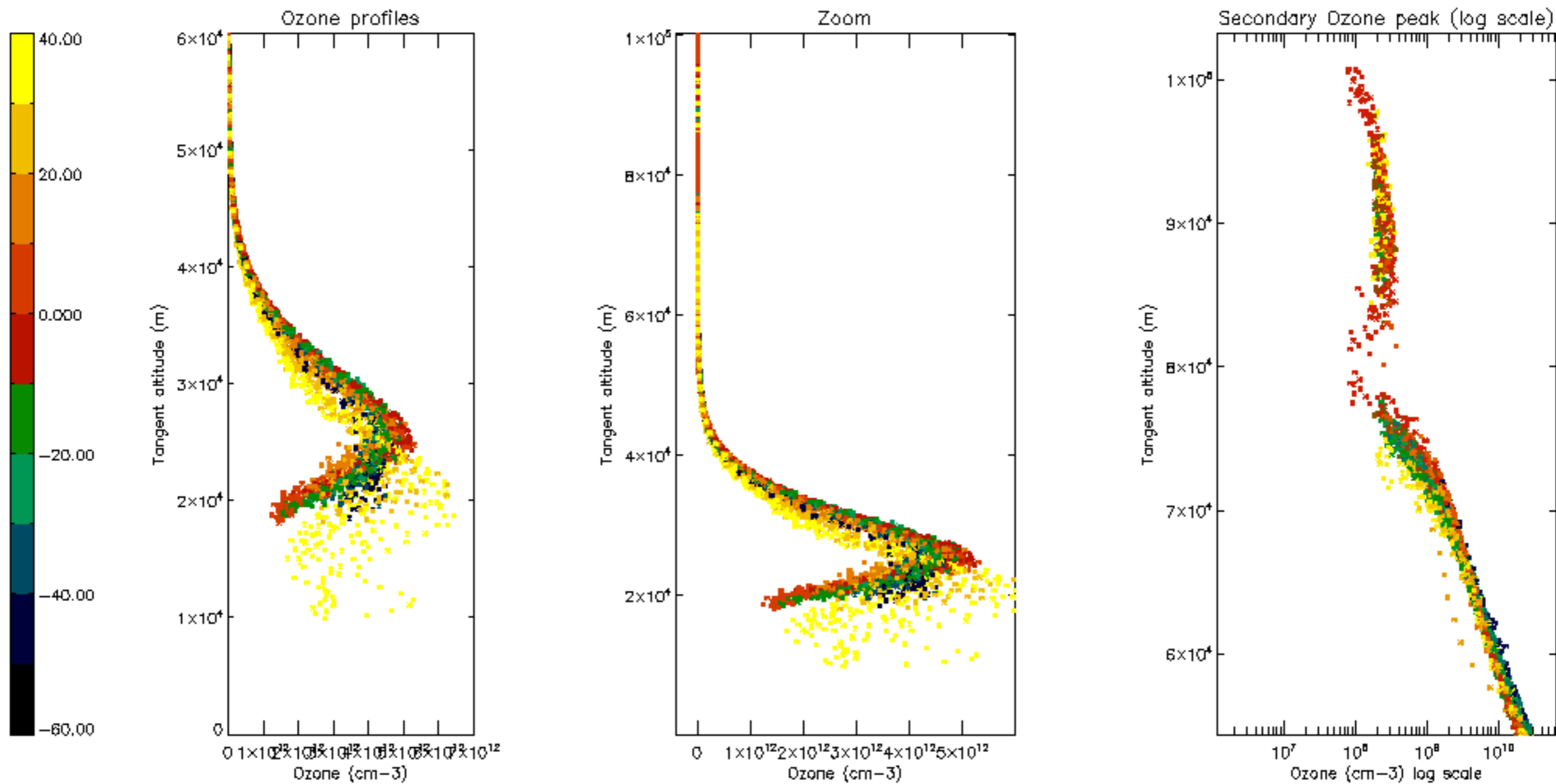


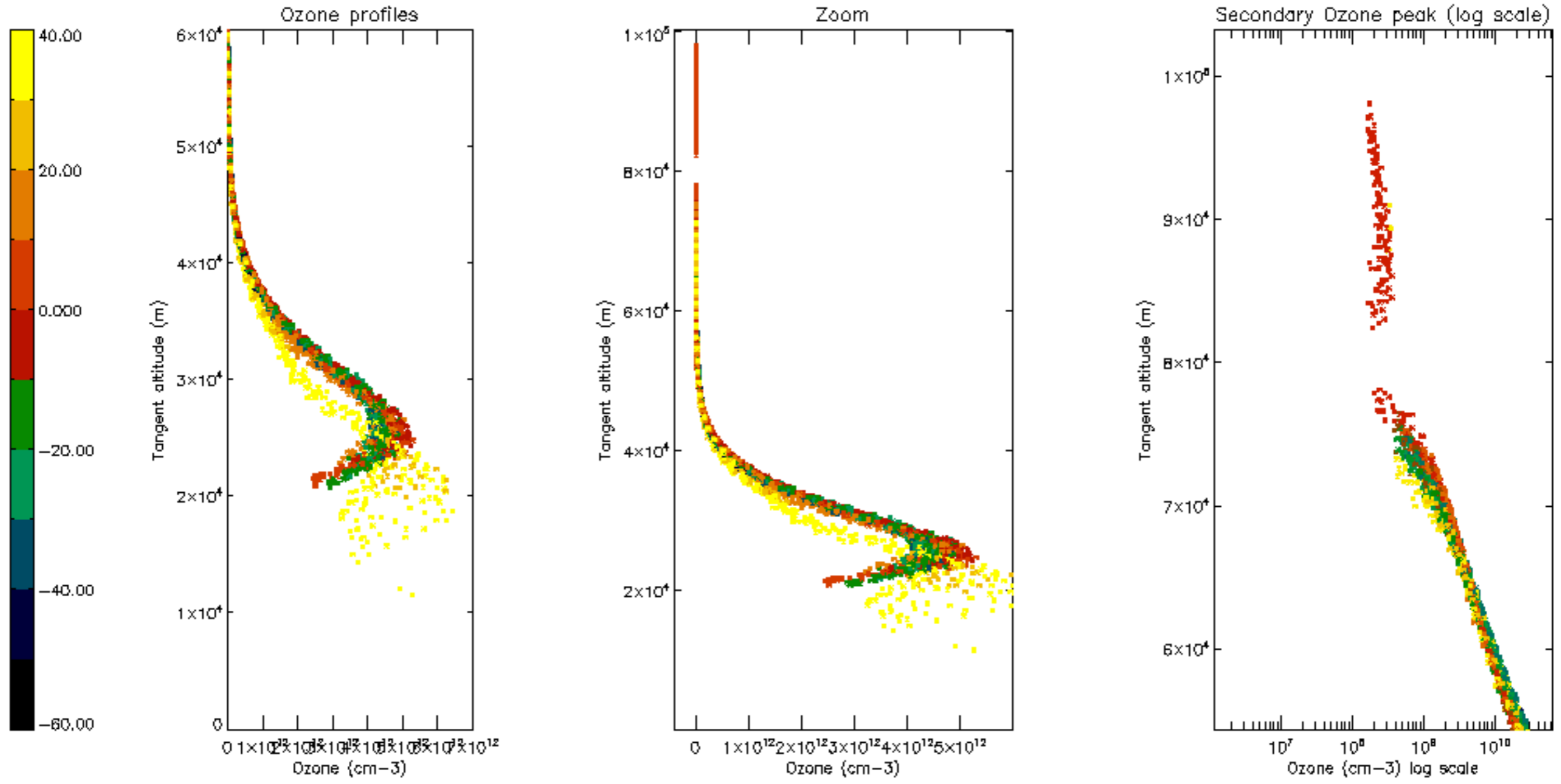
Percentage of saturation errors per profile

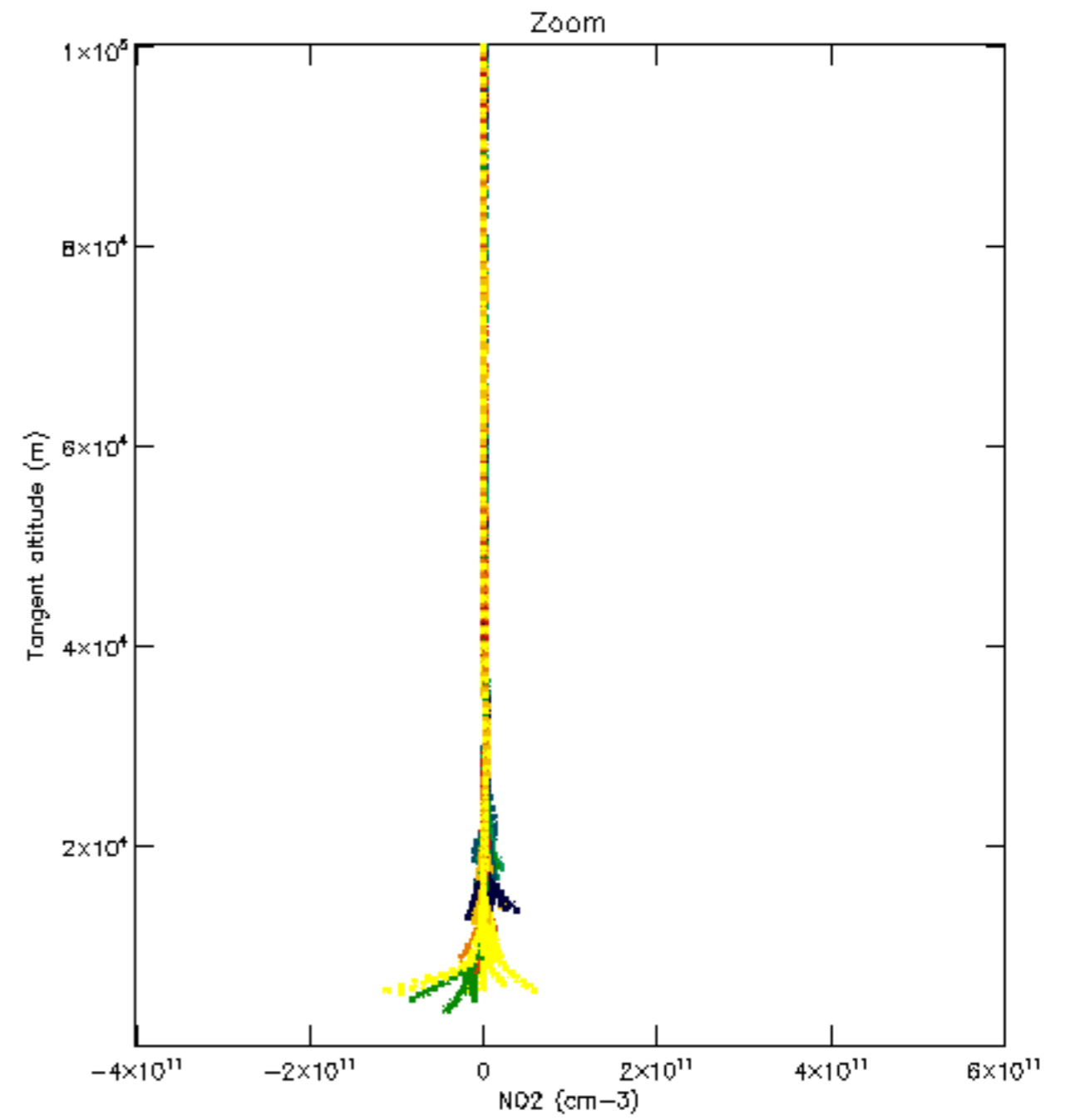
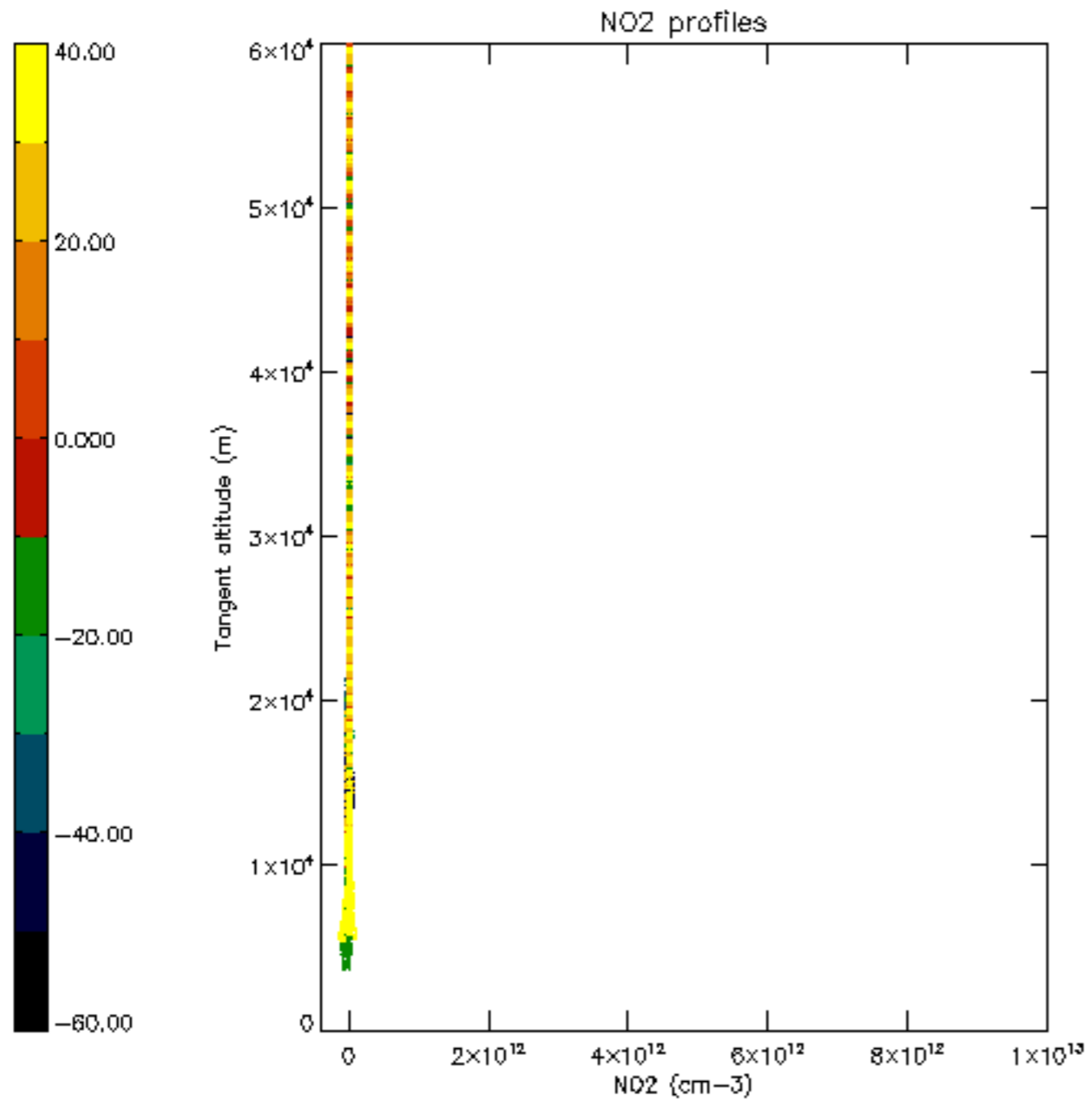


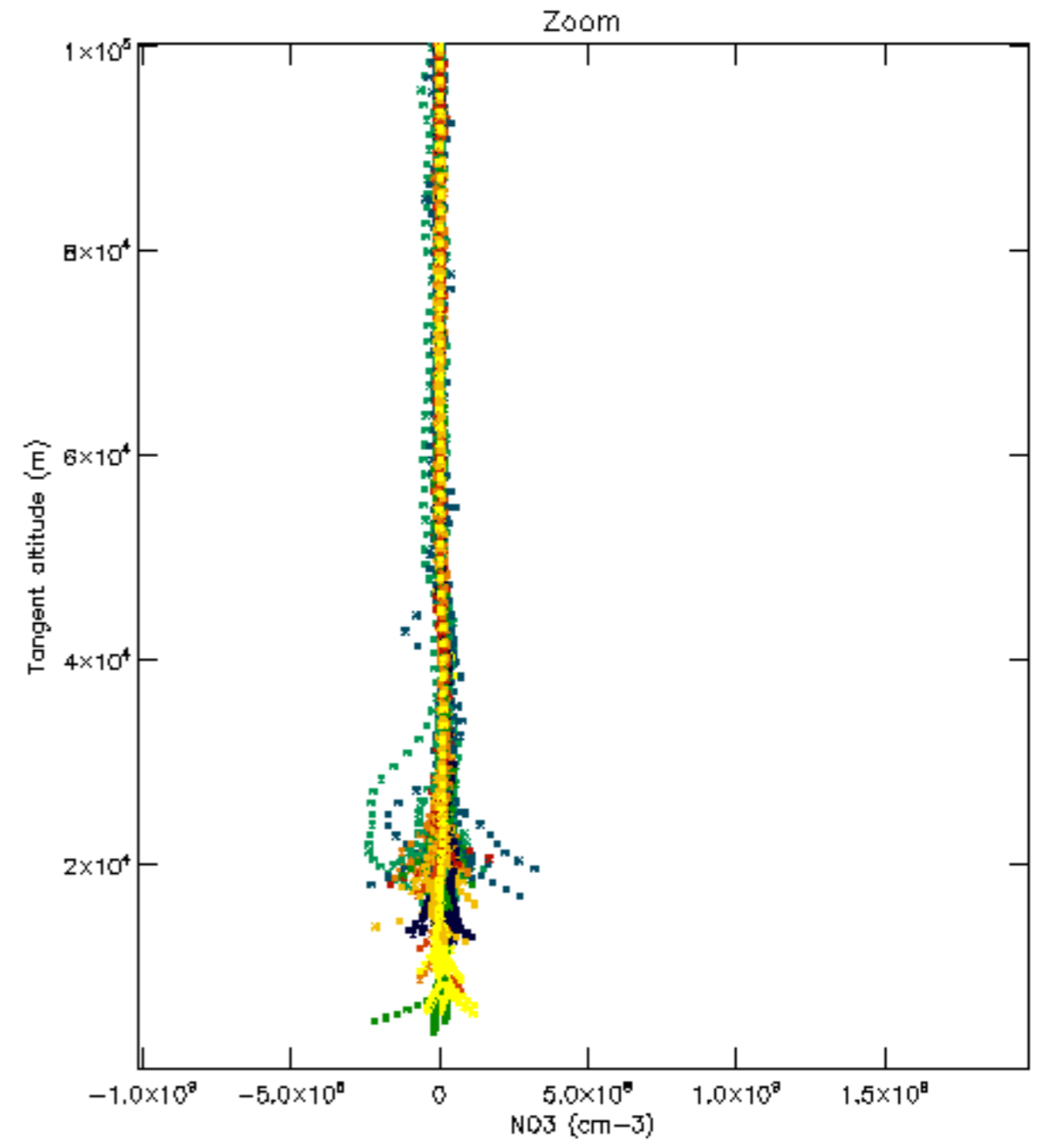
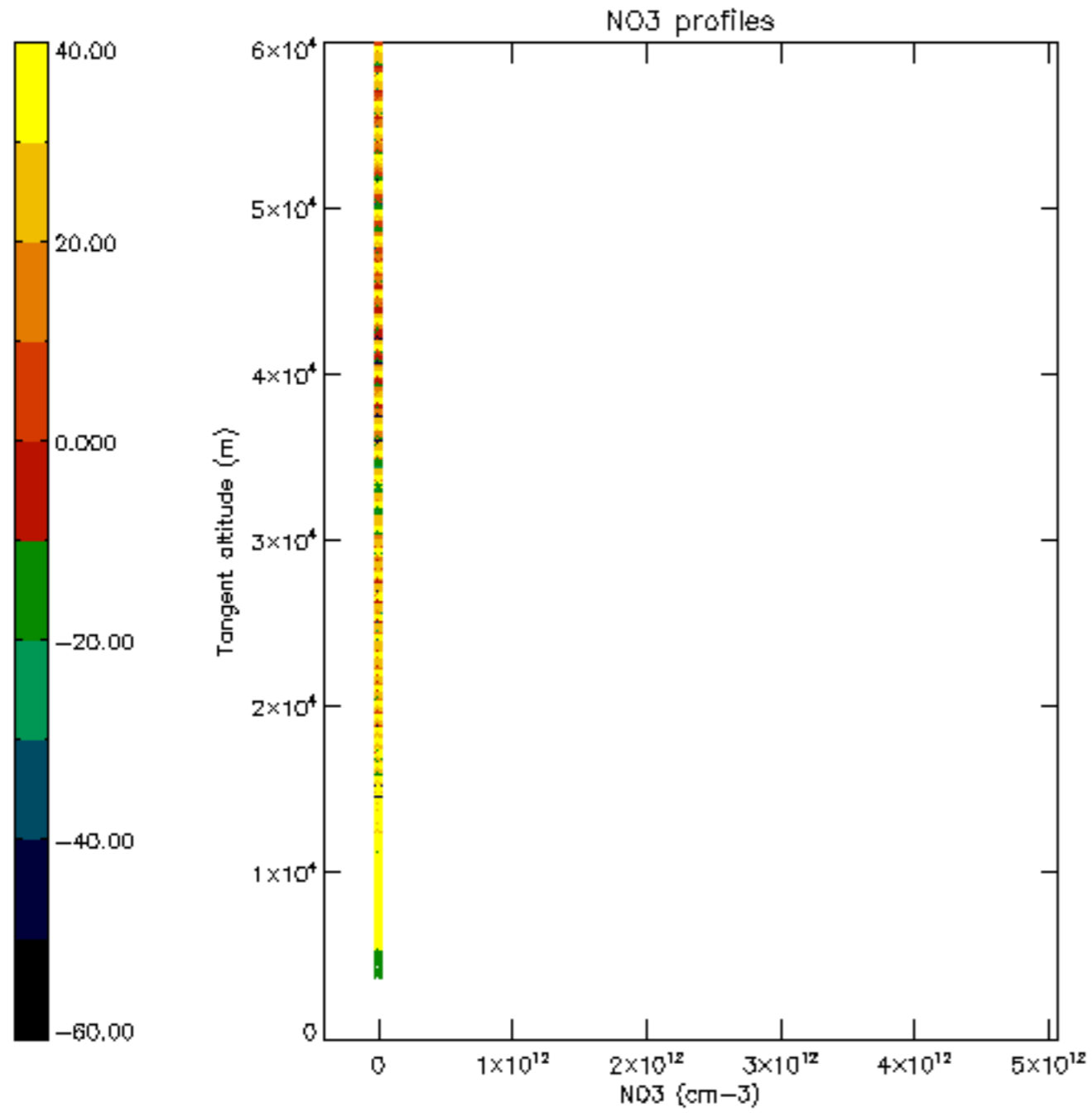


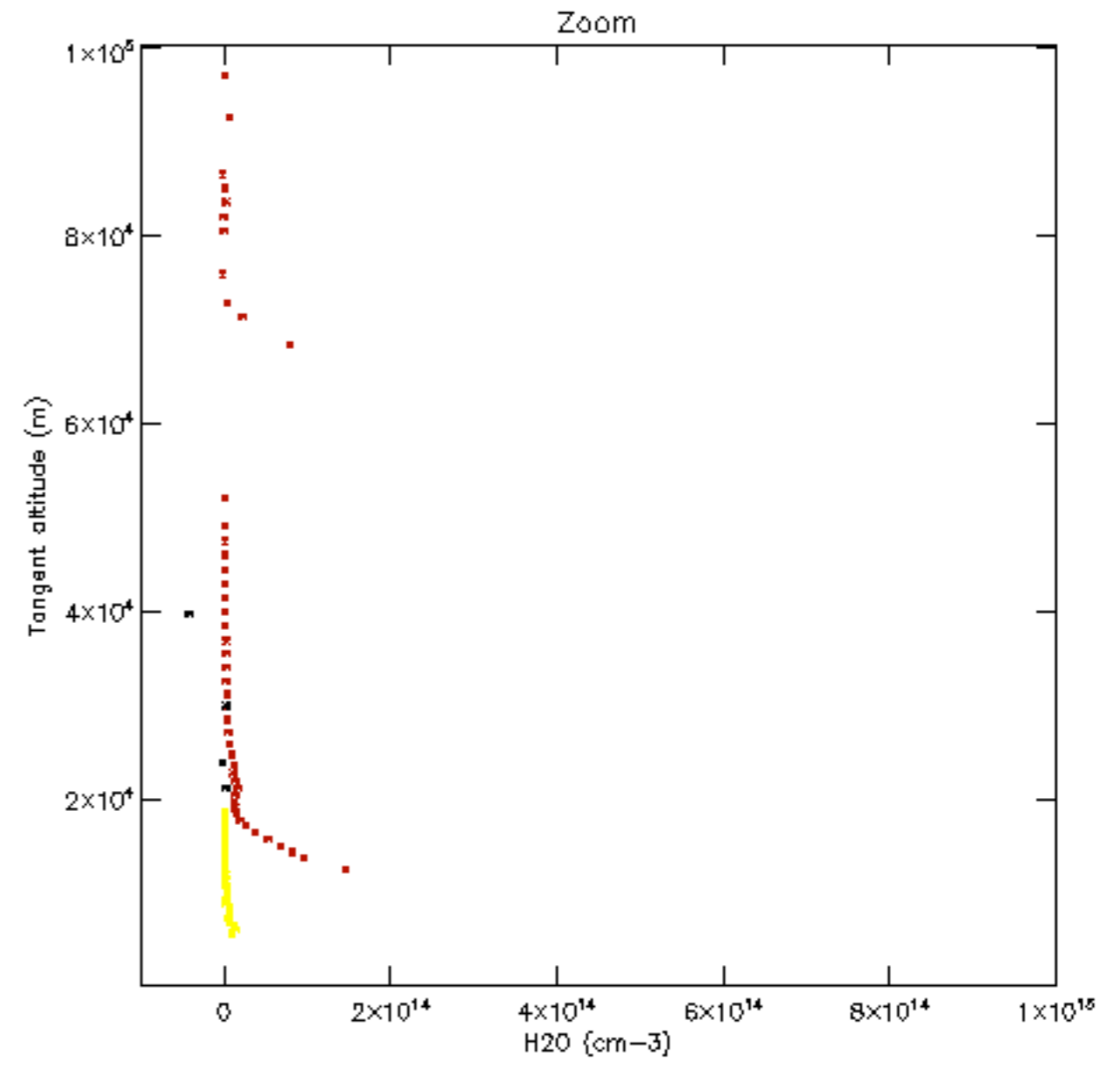
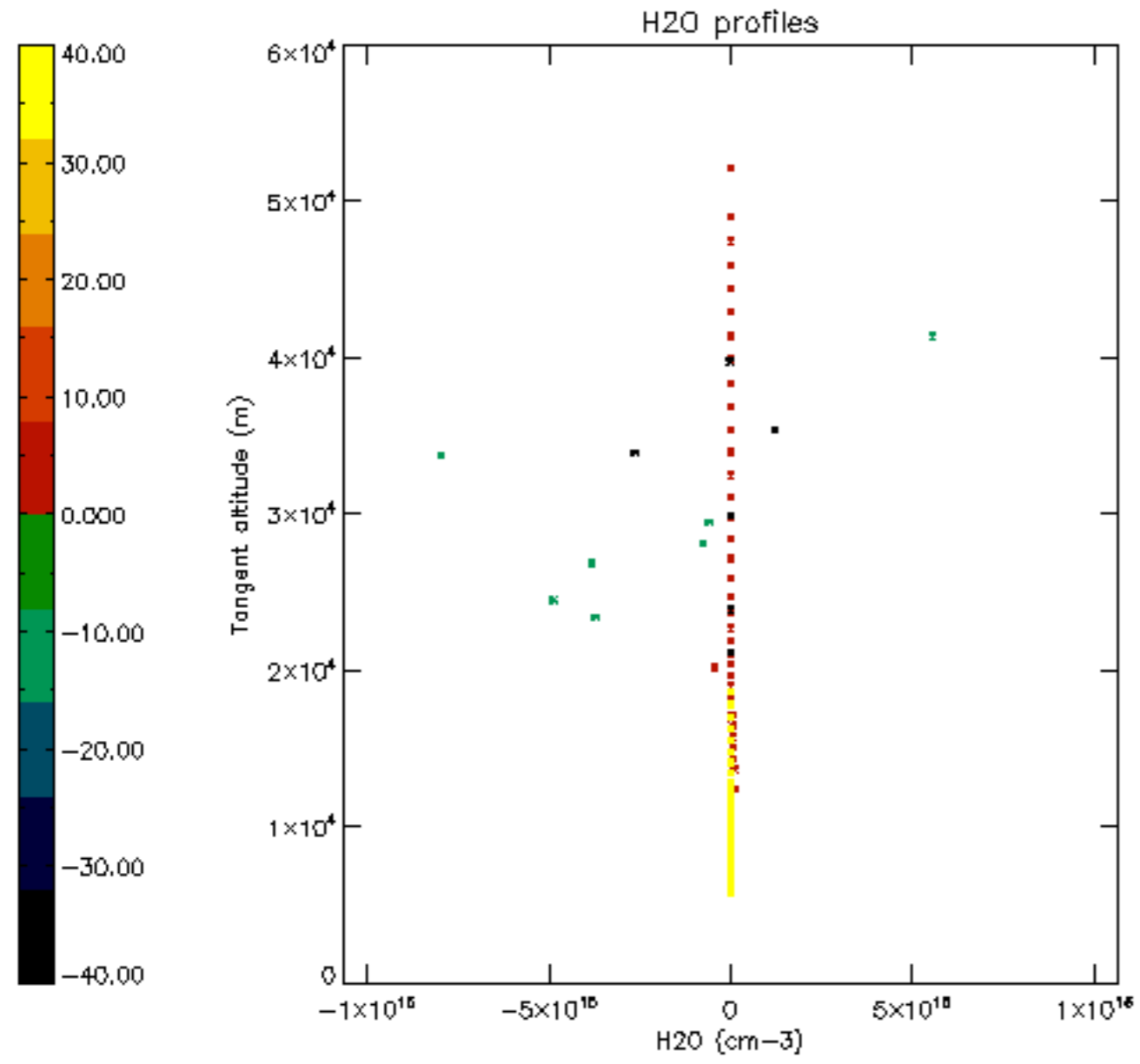


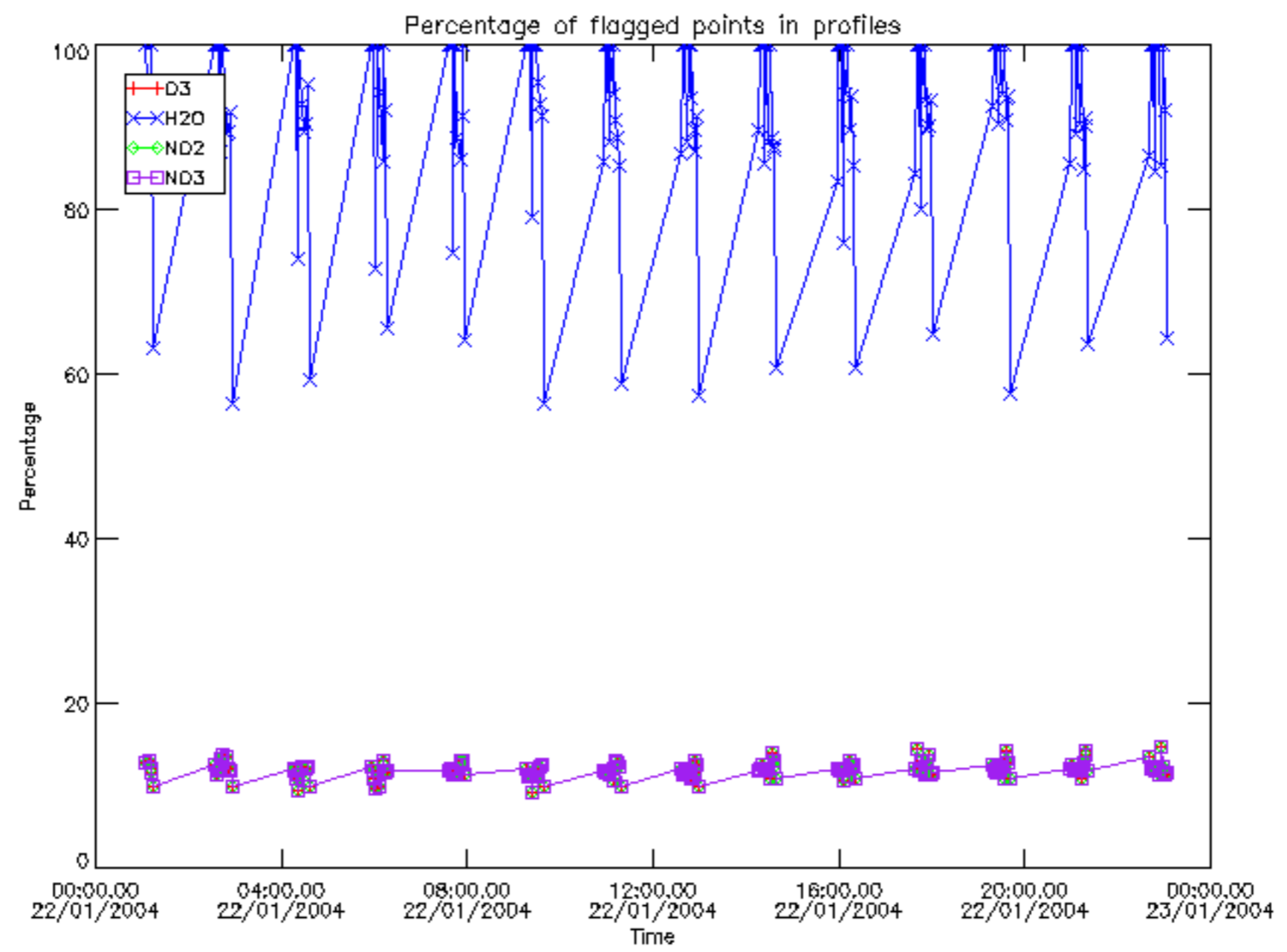




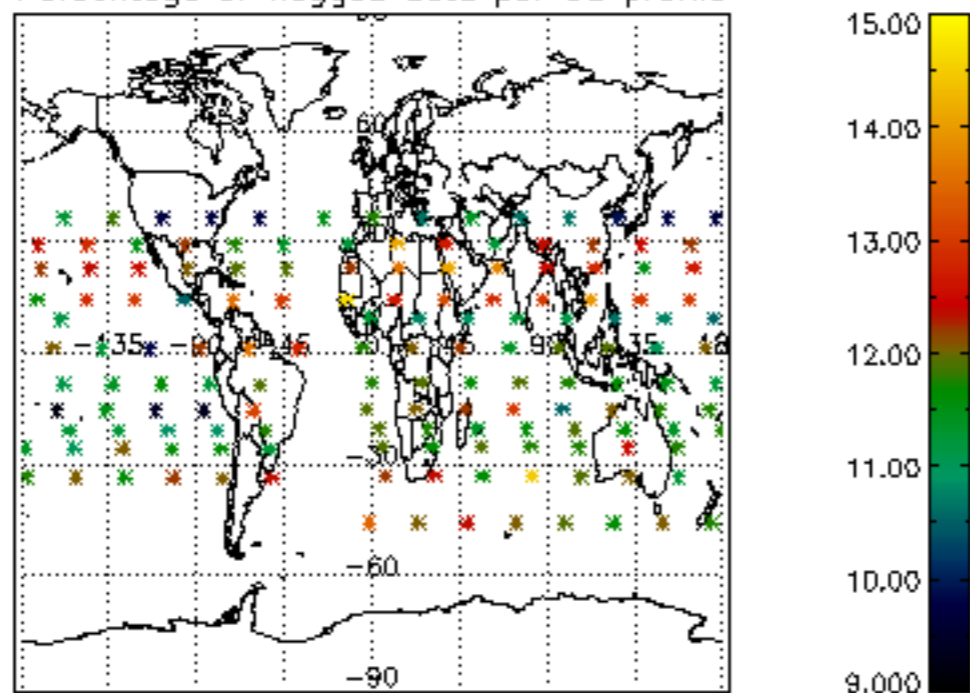




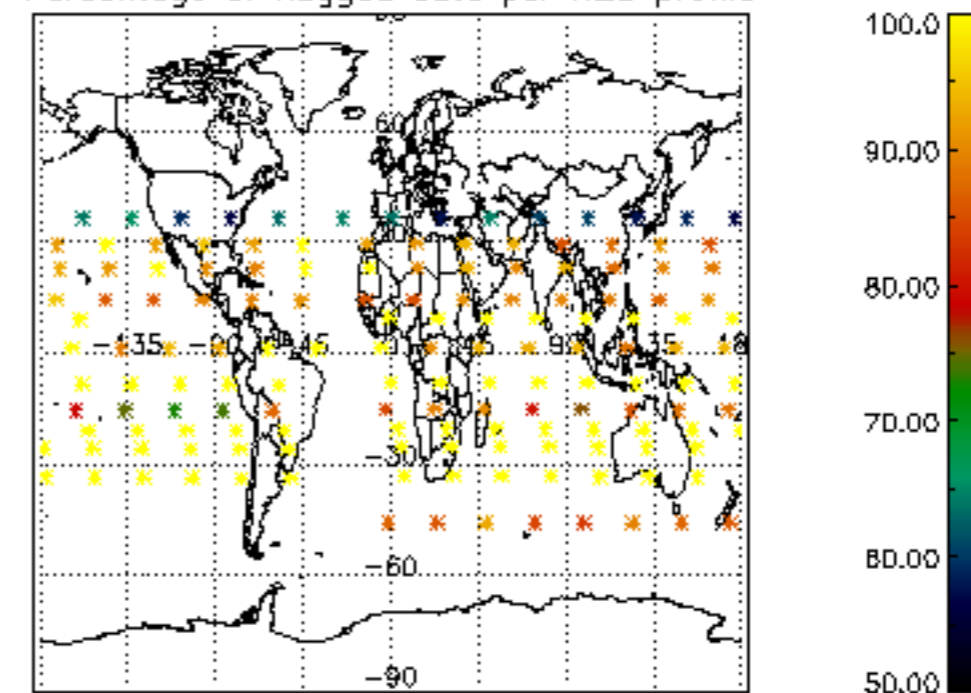




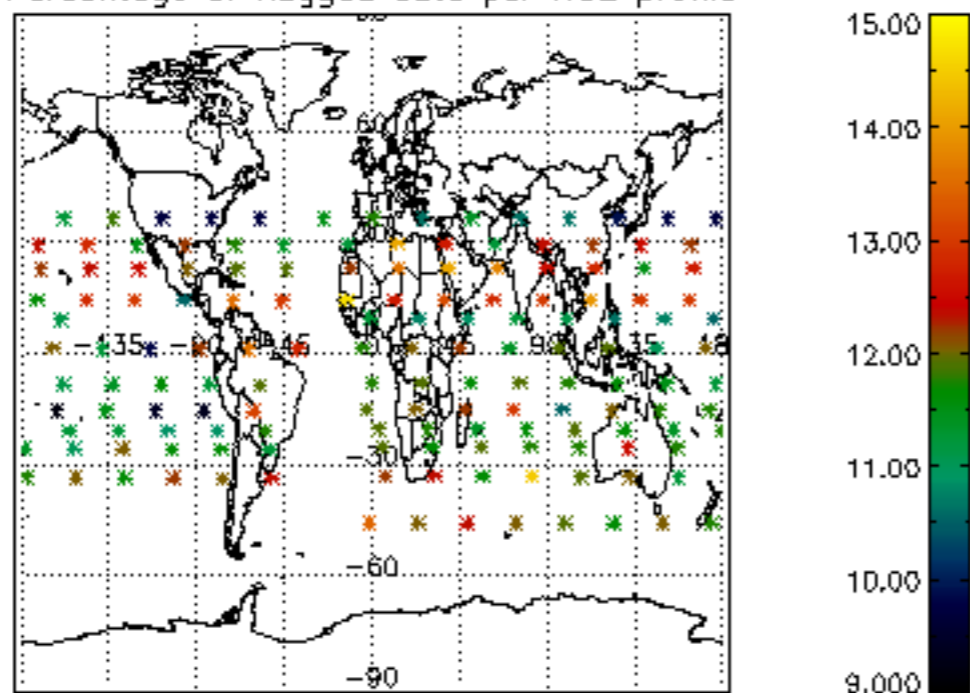
Percentage of flagged data per D3 profile



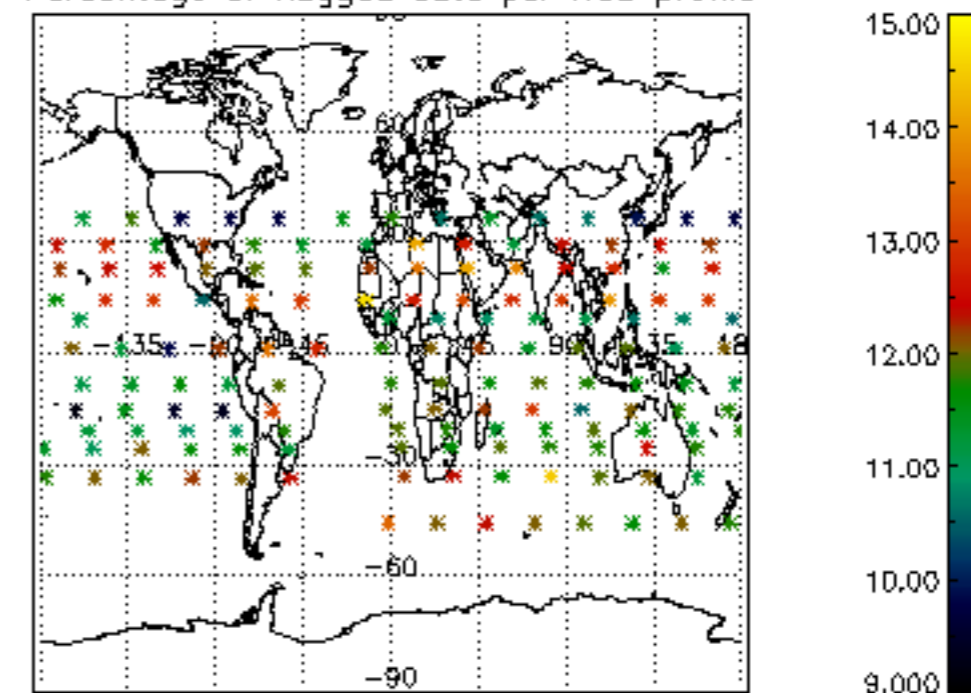
Percentage of flagged data per H2O profile

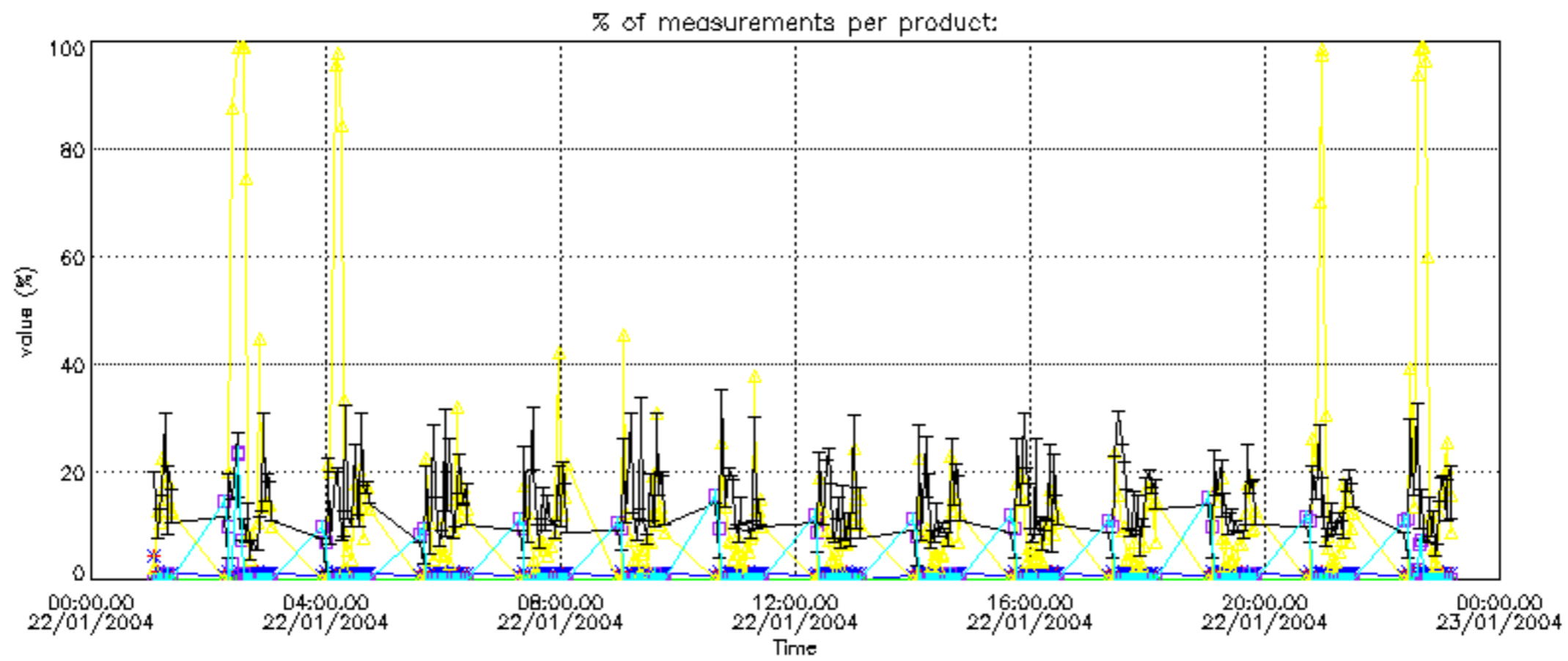
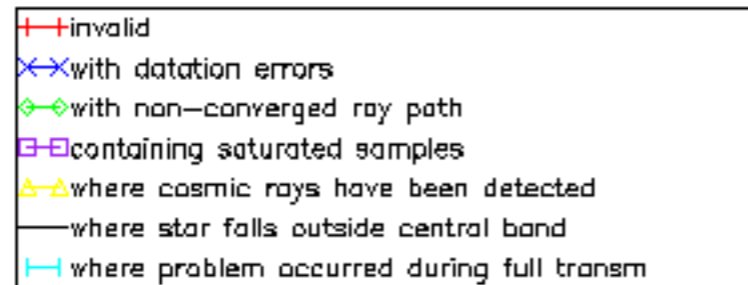


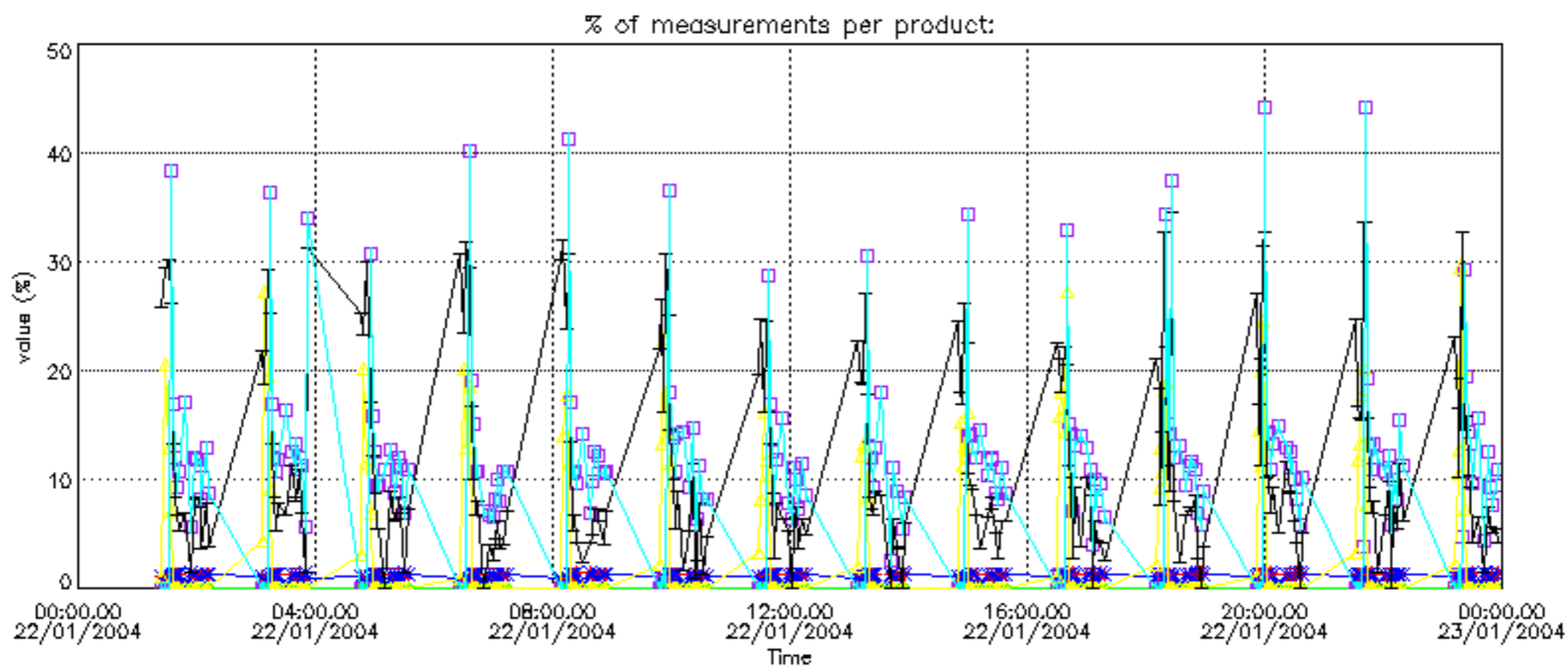
Percentage of flagged data per NO2 profile



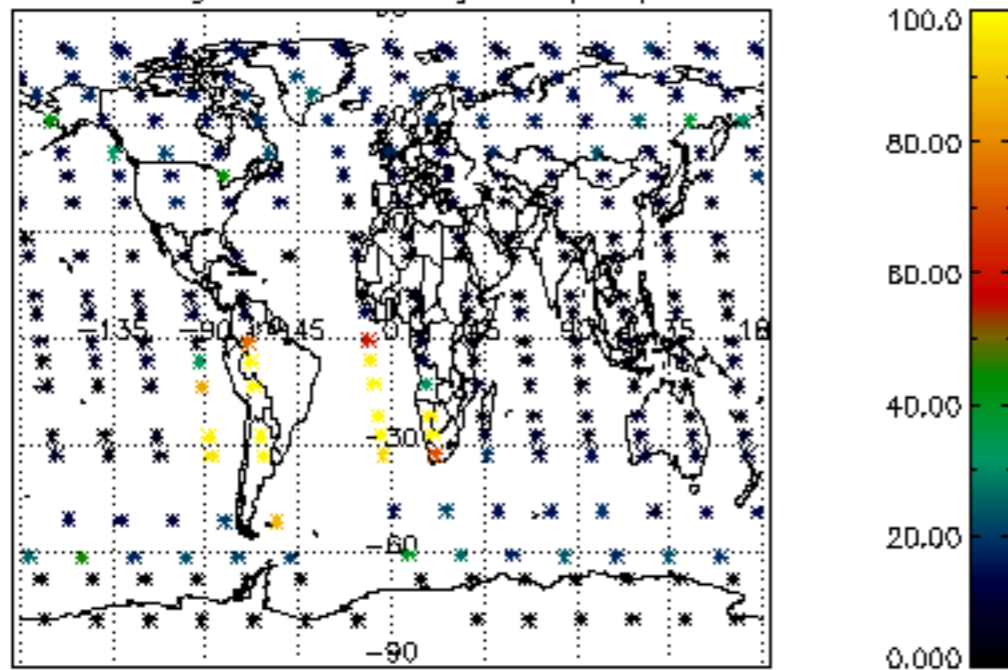
Percentage of flagged data per NO3 profile



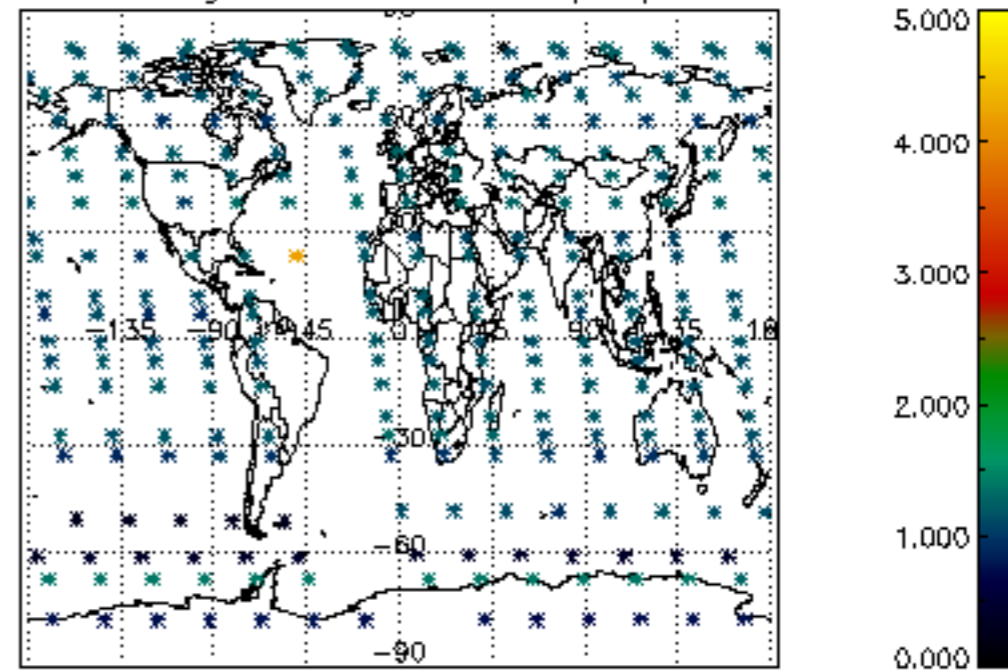




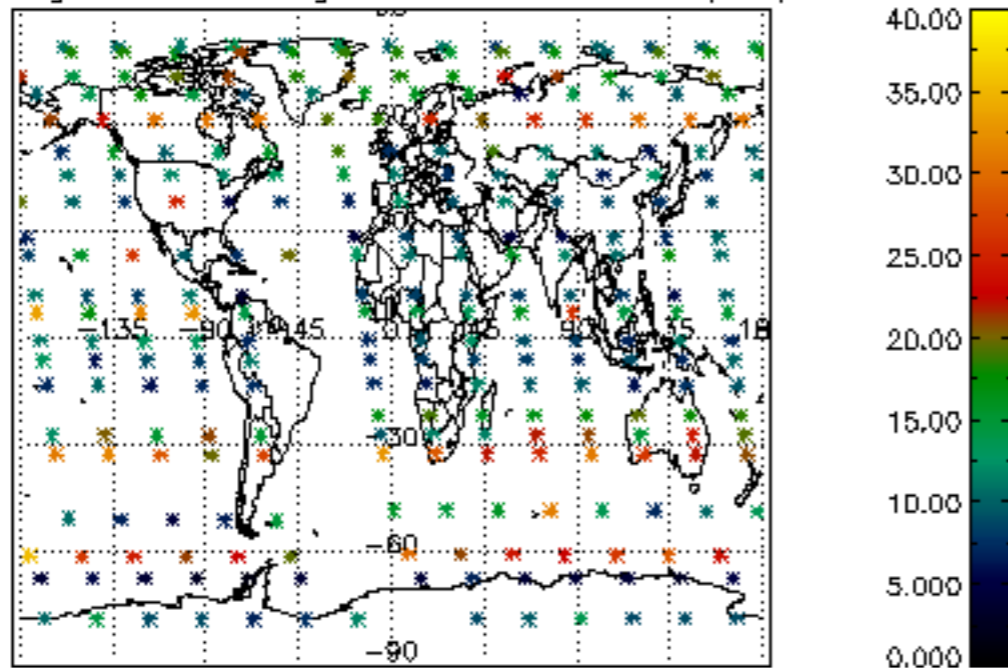
Percentage of cosmic ray hits per profile



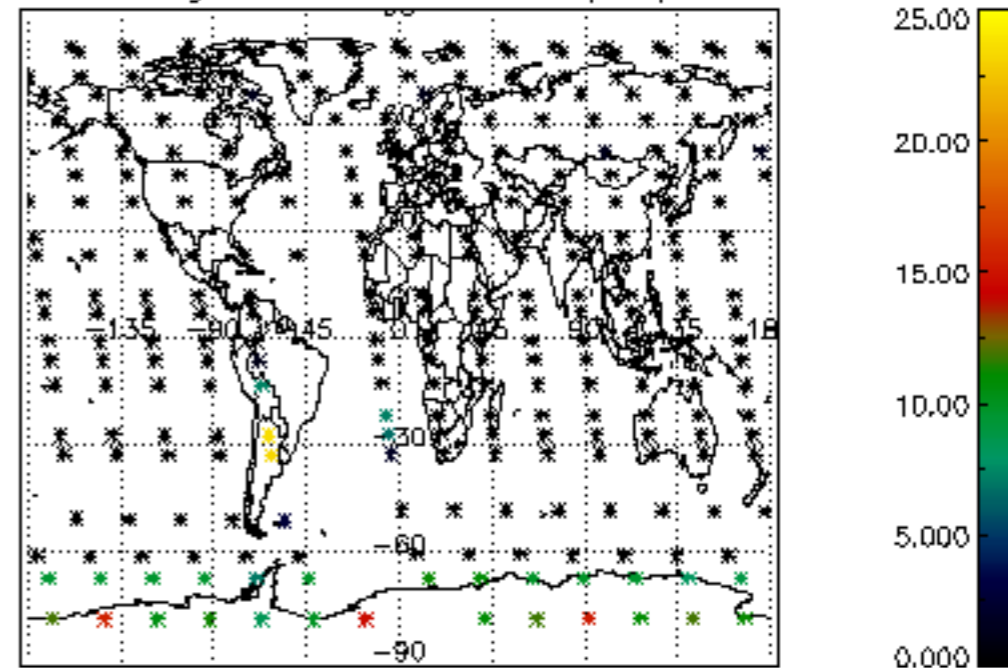
Percentage of datation errors per profile



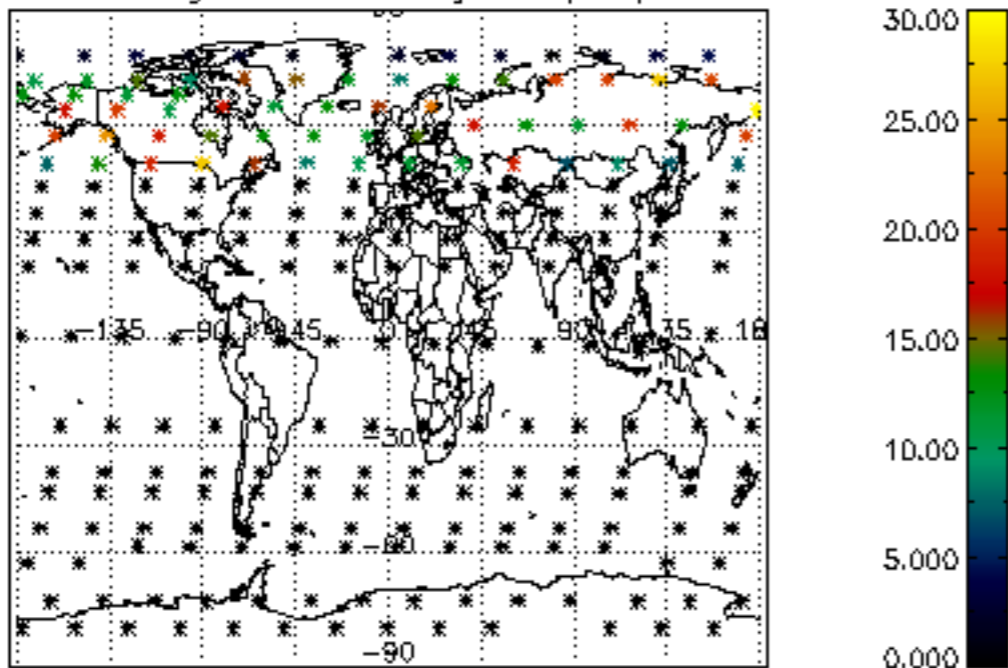
Percentage of star falling outside central band per profile



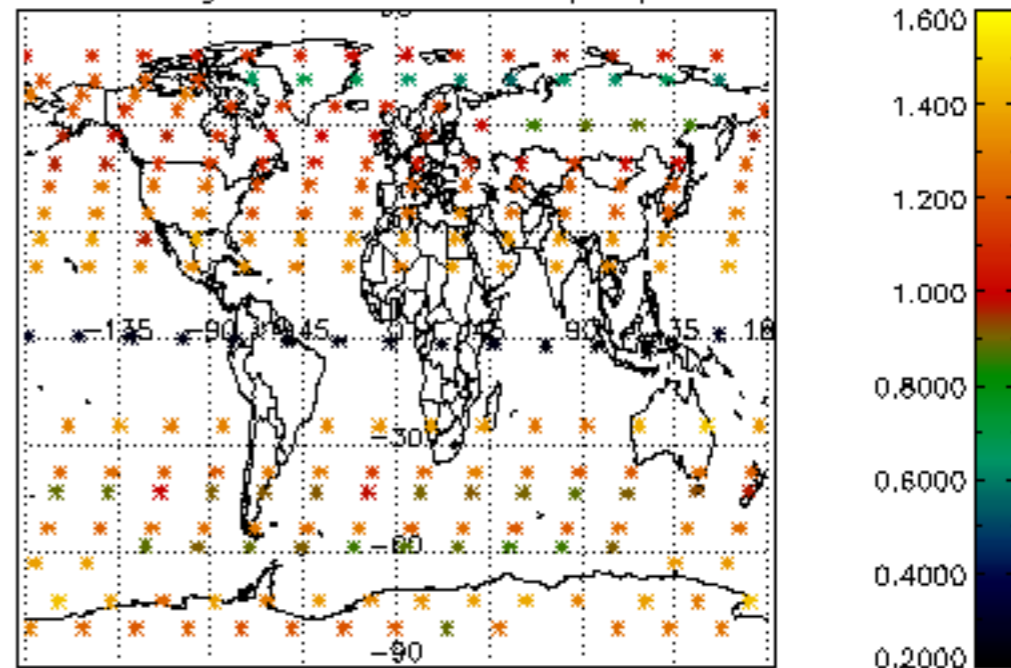
Percentage of saturation errors per profile



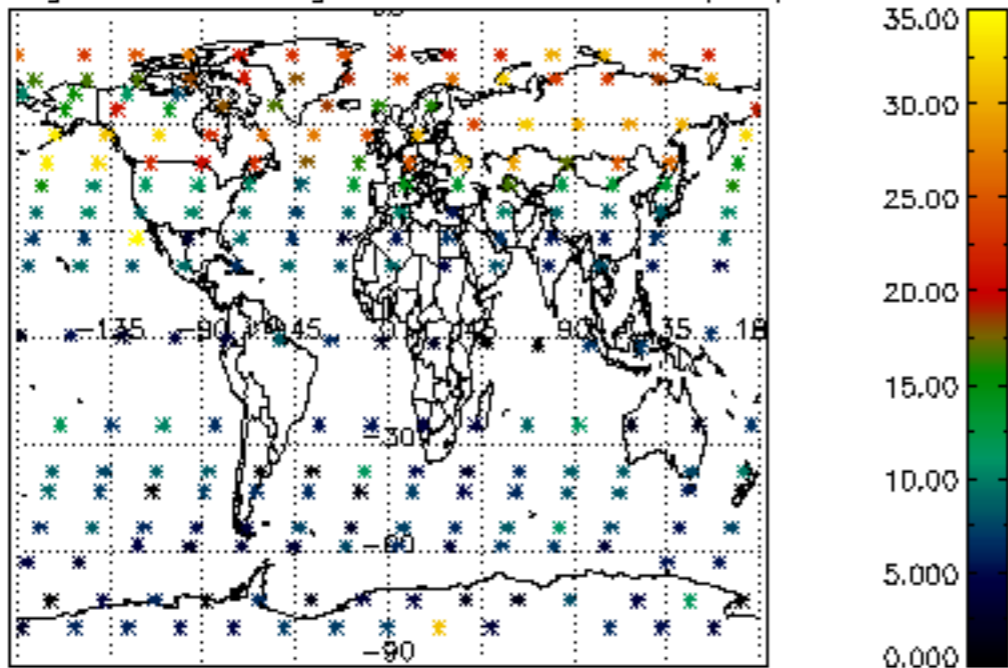
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

