

# 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	22APR2013 14:46:23
Data source version	GOMOS/6.01
Start time of products	23-01-2006 (23JAN2006 00:00:00)
Stop time of products	24-01-2006 (24JAN2006 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	240
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__2PRFIN20060123_091706_000000462044_00294_20388_7786.N1	23-JAN-2006 09:17:06	Dark	46.000	4	Alp1Cen	-0.010000	5800.0	92	20388	No
2	GOM_NL__2PRFIN20060123_092139_000000482044_00294_20388_7787.N1	23-JAN-2006 09:21:39	Dark	47.500	12	Alp1Cru	0.77500	30000.	95	20388	No
3	GOM_NL__2PRFIN20060123_092547_000000382044_00294_20388_7788.N1	23-JAN-2006 09:25:47	Dark	38.000	29	Bet Car	1.6720	10200.	76	20388	No
4	GOM_NL__2PRFIN20060123_092756_000000392044_00294_20388_7789.N1	23-JAN-2006 09:27:56	Dark	38.500	71	lot Car	2.2460	7700.0	77	20388	No
5	GOM_NL__2PRFIN20060123_092945_000000382044_00294_20388_7790.N1	23-JAN-2006 09:29:45	Dark	38.000	46	Del Vel	1.9540	10600.	76	20388	No
6	GOM_NL__2PRFIN20060123_093222_000000402044_00294_20388_7791.N1	23-JAN-2006 09:32:22	Dark	40.000	34	Gam2Vel	1.7930	23000.	80	20388	No
7	GOM_NL__2PRFIN20060123_093429_000000392044_00294_20388_7792.N1	23-JAN-2006 09:34:29	Straylight	38.500	70	Zet Pup	2.2460	39000.	77	20388	No
8	GOM_NL__2PRFIN20060123_093600_000000412044_00294_20388_7793.N1	23-JAN-2006 09:36:00	Straylight	40.500	117	Pi Pup	2.7060	3800.0	81	20388	No
9	GOM_NL__2PRFIN20060123_093828_000000392044_00294_20388_7794.N1	23-JAN-2006 09:38:28	Straylight	39.000	23	21Eps CMa	1.5020	26000.	78	20388	No
10	GOM_NL__2PRFIN20060123_093952_000000362044_00294_20388_7795.N1	23-JAN-2006 09:39:52	Straylight	35.500	179	24Omi2CMa	3.0320	24000.	71	20388	No
11	GOM_NL__2PRFIN20060123_094202_000000432044_00294_20388_7796.N1	23-JAN-2006 09:42:02	Straylight	43.000	1	9Alp CMa	-1.4400	11000.	86	20388	No
12	GOM_NL__2PRFIN20060123_094912_000000522044_00294_20388_7797.N1	23-JAN-2006 09:49:12	Bright	52.000	14	58Alp Ori	0.87000	3000.0	104	20388	No
13	GOM_NL__2PRFIN20060123_095124_000000392044_00294_20388_7798.N1	23-JAN-2006 09:51:24	Bright	38.500	44	24Gam Gem	1.9280	11000.	77	20388	No
14	GOM_NL__2PRFIN20060123_095310_000000402044_00294_20388_7799.N1	23-JAN-2006 09:53:10	Bright	39.500	151	13Mu Gem	2.8900	3000.0	79	20388	No
15	GOM_NL__2PRFIN20060123_095524_000000372044_00294_20388_7800.N1	23-JAN-2006 09:55:24	Bright	37.000	28	12Bet Tau	1.6500	15200.	74	20388	No
16	GOM_NL__2PRFIN20060123_095722_000000362044_00294_20388_7801.N1	23-JAN-2006 09:57:22	Bright	36.000	107	37The Aur	2.6490	11000.	72	20388	No
17	GOM_NL__2PRFIN20060123_095931_000000362044_00294_20388_7802.N1	23-JAN-2006 09:59:31	Bright	35.500	42	34Bet Aur	1.9000	10200.	71	20388	No
18	GOM_NL__2PRFIN20060123_101202_000000352044_00294_20388_7803.N1	23-JAN-2006 10:12:02	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	20388	No
19	GOM_NL__2PRFIN20060123_102301_000000342044_00294_20388_7804.N1	23-JAN-2006 10:23:01	Bright	34.000	130	23Bet Dra	2.7990	5800.0	68	20388	No
20	GOM_NL__2PRFIN20060123_102622_000000352044_00294_20388_7805.N1	23-JAN-2006 10:26:22	Bright	34.500	5	3Alp Lyr	0.033000	11000.	69	20388	No
21	GOM_NL__2PRFIN20060123_103422_000000342044_00294_20388_7806.N1	23-JAN-2006 10:34:22	Bright	34.000	59	55Alp Oph	2.0800	8900.0	68	20388	No
22	GOM_NL__2PRFIN20060123_103628_000000342044_00294_20388_7807.N1	23-JAN-2006 10:36:28	Bright	34.000	126	60Bet Oph	2.7700	4250.0	68	20388	No
23	GOM_NL__2PRFIN20060123_104238_000000412044_00294_20388_7808.N1	23-JAN-2006 10:42:38	Bright	40.500	86	35Eta Oph	2.4300	10200.	81	20388	No
24	GOM_NL__2PRFIN20060123_104634_000000442044_00294_20388_7809.N1	23-JAN-2006 10:46:34	Twilight	43.500	16	21Alp Sco	1.0200	3000.0	87	20388	No
25	GOM_NL__2PRFIN20060123_104800_000000382044_00294_20388_7810.N1	23-JAN-2006 10:48:00	Twilight	37.500	25	35Lam Sco	1.6200	28000.	75	20388	No
26	GOM_NL__2PRFIN20060123_104933_000000402044_00294_20388_7811.N1	23-JAN-2006 10:49:33	Dark	39.500	40	The Sco	1.8590	7100.0	79	20388	No
27	GOM_NL__2PRFIN20060123_105128_000000372044_00294_20388_7812.N1	23-JAN-2006 10:51:28	Dark	37.000	147	Alp Ara	2.8770	26000.	74	20388	No
28	GOM_NL__2PRFIN20060123_105621_000000372044_00295_20389_7786.N1	23-JAN-2006 10:56:21	Dark	36.500	134	Bet TrA	2.8100	6600.0	73	20389	No
29	GOM_NL__2PRFIN20060123_105743_000000412044_00295_20389_7787.N1	23-JAN-2006 10:57:43	Dark	40.500	4	Alp1Cen	-0.010000	5800.0	81	20389	No
30	GOM_NL__2PRFIN20060123_110215_000000402044_00295_20389_7788.N1	23-JAN-2006 11:02:15	Dark	39.500	12	Alp1Cru	0.77500	30000.	79	20389	No
31	GOM_NL__2PRFIN20060123_110623_000000412044_00295_20389_7789.N1	23-JAN-2006 11:06:23	Dark	41.000	29	Bet Car	1.6720	10200.	82	20389	No
32	GOM_NL__2PRFIN20060123_110832_000000382044_00295_20389_7790.N1	23-JAN-2006 11:08:32	Dark	37.500	71	lot Car	2.2460	7700.0	75	20389	No
33	GOM_NL__2PRFIN20060123_111021_000000472044_00295_20389_7791.N1	23-JAN-2006 11:10:21	Dark	46.500	46	Del Vel	1.9540	10600.	93	20389	No
34	GOM_NL__2PRFIN20060123_111258_000000372044_00295_20389_7792.N1	23-JAN-2006 11:12:58	Dark	37.000	34	Gam2Vel	1.7930	23000.	74	20389	No
35	GOM_NL__2PRFIN20060123_111505_000000382044_00295_20389_7793.N1	23-JAN-2006 11:15:05	Straylight	37.500	70	Zet Pup	2.2460	39000.	75	20389	No
36	GOM_NL__2PRFIN20060123_111636_000000432044_00295_20389_7794.N1	23-JAN-2006 11:16:36	Straylight	43.000	117	Pi Pup	2.7060	3800.0	86	20389	No
37	GOM_NL__2PRFIN20060123_111904_000000392044_00295_20389_7795.N1	23-JAN-2006 11:19:04	Straylight	38.500	23	21Eps CMa	1.5020	26000.	77	20389	No
38	GOM_NL__2PRFIN20060123_112027_000000362044_00295_20389_7796.N1	23-JAN-2006 11:20:27	Straylight	36.000	179	24Omi2CMa	3.0320	24000.	72	20389	No
39	GOM_NL__2PRFIN20060123_112238_000000462044_00295_20389_7797.N1	23-JAN-2006 11:22:38	Straylight	46.000	1	9Alp CMa	-1.4400	11000.	92	20389	No
40	GOM_NL__2PRFIN20060123_112949_000000462044_00295_20389_7798.N1	23-JAN-2006 11:29:49	Twilight	45.500	14	58Alp Ori	0.87000	3000.0	91	20389	No
41	GOM_NL__2PRFIN20060123_113159_000000412044_00295_20389_7799.N1	23-JAN-2006 11:31:59	Bright	40.500	44	24Gam Gem	1.9280	11000.	81	20389	No
42	GOM_NL__2PRFIN20060123_113345_000000402044_00295_20389_7800.N1	23-JAN-2006 11:33:45	Bright	40.000	151	13Mu Gem	2.8900	3000.0	80	20389	No

43	GOM_NL__2PRFIN20060123_113600_000000362044_00295_20389_7801.N1	23-JAN-2006 11:36:00	Bright	36.000	28	12Bet Tau	1.6500	15200.	72	20389	No
44	GOM_NL__2PRFIN20060123_113758_000000362044_00295_20389_7802.N1	23-JAN-2006 11:37:58	Bright	35.500	107	37The Aur	2.6490	11000.	71	20389	No
45	GOM_NL__2PRFIN20060123_114007_000000372044_00295_20389_7803.N1	23-JAN-2006 11:40:07	Bright	36.500	42	34Bet Aur	1.9000	10200.	73	20389	No
46	GOM_NL__2PRFIN20060123_115238_000000352044_00295_20389_7804.N1	23-JAN-2006 11:52:38	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	20389	No
47	GOM_NL__2PRFIN20060123_120336_000000362044_00295_20389_7805.N1	23-JAN-2006 12:03:36	Bright	35.500	130	23Bet Dra	2.7990	5800.0	71	20389	No
48	GOM_NL__2PRFIN20060123_120658_000000332044_00295_20389_7806.N1	23-JAN-2006 12:06:58	Bright	33.000	5	3Alp Lyr	0.033000	11000.	66	20389	No
49	GOM_NL__2PRFIN20060123_121458_000000352044_00295_20389_7807.N1	23-JAN-2006 12:14:58	Bright	34.500	59	55Alp Oph	2.0800	8900.0	69	20389	No
50	GOM_NL__2PRFIN20060123_121704_000000342044_00295_20389_7808.N1	23-JAN-2006 12:17:04	Bright	34.000	126	60Bet Oph	2.7700	4250.0	68	20389	No
51	GOM_NL__2PRFIN20060123_122314_000000382044_00295_20389_7809.N1	23-JAN-2006 12:23:14	Bright	38.000	86	35Eta Oph	2.4300	10200.	76	20389	No
52	GOM_NL__2PRFIN20060123_122711_000000522044_00295_20389_7810.N1	23-JAN-2006 12:27:11	Twilight	52.000	16	21Alp Sco	1.0200	3000.0	104	20389	No
53	GOM_NL__2PRFIN20060123_122836_000000382044_00295_20389_7811.N1	23-JAN-2006 12:28:36	Twilight	38.000	25	35Lam Sco	1.6200	28000.	76	20389	No
54	GOM_NL__2PRFIN20060123_123009_000000412044_00295_20389_7812.N1	23-JAN-2006 12:30:09	Dark	41.000	40	The Sco	1.8590	7100.0	82	20389	No
55	GOM_NL__2PRFIN20060123_123204_000000362044_00295_20389_7813.N1	23-JAN-2006 12:32:04	Dark	35.500	147	Alp Ara	2.8770	26000.	71	20389	No
56	GOM_NL__2PRFIN20060123_123658_000000372044_00296_20390_7786.N1	23-JAN-2006 12:36:58	Dark	37.000	134	Bet TrA	2.8100	6600.0	74	20390	No
57	GOM_NL__2PRFIN20060123_123819_000000402044_00296_20390_7787.N1	23-JAN-2006 12:38:19	Dark	40.000	4	Alp1Cen	-0.010000	5800.0	80	20390	No
58	GOM_NL__2PRFIN20060123_124252_000000392044_00296_20390_7788.N1	23-JAN-2006 12:42:52	Dark	39.000	12	Alp1Cru	0.77500	30000.	78	20390	No
59	GOM_NL__2PRFIN20060123_124659_000000382044_00296_20390_7789.N1	23-JAN-2006 12:46:59	Dark	37.500	29	Bet Car	1.6720	10200.	75	20390	No
60	GOM_NL__2PRFIN20060123_124908_000000382044_00296_20390_7790.N1	23-JAN-2006 12:49:08	Dark	37.500	71	lot Car	2.2460	7700.0	75	20390	No
61	GOM_NL__2PRFIN20060123_125057_000000402044_00296_20390_7791.N1	23-JAN-2006 12:50:57	Dark	39.500	46	Del Vel	1.9540	10600.	79	20390	No
62	GOM_NL__2PRFIN20060123_125334_000000372044_00296_20390_7792.N1	23-JAN-2006 12:53:34	Dark	37.000	34	Gam2Vel	1.7930	23000.	74	20390	No
63	GOM_NL__2PRFIN20060123_125541_000000412044_00296_20390_7793.N1	23-JAN-2006 12:55:41	Straylight	40.500	70	Zet Pup	2.2460	39000.	81	20390	No
64	GOM_NL__2PRFIN20060123_125712_000000442044_00296_20390_7794.N1	23-JAN-2006 12:57:12	Straylight	43.500	117	Pi Pup	2.7060	3800.0	87	20390	No
65	GOM_NL__2PRFIN20060123_125940_000000432044_00296_20390_7795.N1	23-JAN-2006 12:59:40	Straylight	43.000	23	21Eps CMa	1.5020	26000.	86	20390	No
66	GOM_NL__2PRFIN20060123_130104_000000372044_00296_20390_7796.N1	23-JAN-2006 13:01:04	Straylight	36.500	179	24Omi2CMa	3.0320	24000.	73	20390	No
67	GOM_NL__2PRFIN20060123_130314_000000422044_00296_20390_7797.N1	23-JAN-2006 13:03:14	Straylight	42.000	1	9Alp CMa	-1.4400	11000.	84	20390	No
68	GOM_NL__2PRFIN20060123_131025_000000512044_00296_20390_7798.N1	23-JAN-2006 13:10:25	Bright	50.500	14	58Alp Ori	0.87000	3000.0	101	20390	No
69	GOM_NL__2PRFIN20060123_131235_000000392044_00296_20390_7799.N1	23-JAN-2006 13:12:35	Bright	38.500	44	24Gam Gem	1.9280	11000.	77	20390	No
70	GOM_NL__2PRFIN20060123_131421_000000392044_00296_20390_7800.N1	23-JAN-2006 13:14:21	Bright	39.000	151	13Mu Gem	2.8900	3000.0	78	20390	No
71	GOM_NL__2PRFIN20060123_131636_000000372044_00296_20390_7801.N1	23-JAN-2006 13:16:36	Bright	37.000	28	12Bet Tau	1.6500	15200.	74	20390	No
72	GOM_NL__2PRFIN20060123_131834_000000442044_00296_20390_7802.N1	23-JAN-2006 13:18:34	Bright	44.000	107	37The Aur	2.6490	11000.	88	20390	No
73	GOM_NL__2PRFIN20060123_132043_000000362044_00296_20390_7803.N1	23-JAN-2006 13:20:43	Bright	36.000	42	34Bet Aur	1.9000	10200.	72	20390	No
74	GOM_NL__2PRFIN20060123_133314_000000332044_00296_20390_7804.N1	23-JAN-2006 13:33:14	Bright	33.000	49	1Alp UMi	1.9900	6300.0	66	20390	No
75	GOM_NL__2PRFIN20060123_134412_000000362044_00296_20390_7805.N1	23-JAN-2006 13:44:12	Bright	36.000	130	23Bet Dra	2.7990	5800.0	72	20390	No
76	GOM_NL__2PRFIN20060123_134734_000000352044_00296_20390_7806.N1	23-JAN-2006 13:47:34	Bright	34.500	5	3Alp Lyr	0.033000	11000.	69	20390	No
77	GOM_NL__2PRFIN20060123_135534_000000352044_00296_20390_7807.N1	23-JAN-2006 13:55:34	Bright	35.000	59	55Alp Oph	2.0800	8900.0	70	20390	No
78	GOM_NL__2PRFIN20060123_135740_000000352044_00296_20390_7808.N1	23-JAN-2006 13:57:40	Bright	34.500	126	60Bet Oph	2.7700	4250.0	69	20390	No
79	GOM_NL__2PRFIN20060123_140350_000000372044_00296_20390_7809.N1	23-JAN-2006 14:03:50	Bright	37.000	86	35Eta Oph	2.4300	10200.	74	20390	No
80	GOM_NL__2PRFIN20060123_140747_000000502044_00296_20390_7810.N1	23-JAN-2006 14:07:47	Twilight	50.000	16	21Alp Sco	1.0200	3000.0	100	20390	No
81	GOM_NL__2PRFIN20060123_140912_000000402044_00296_20390_7811.N1	23-JAN-2006 14:09:12	Twilight	40.000	25	35Lam Sco	1.6200	28000.	80	20390	No
82	GOM_NL__2PRFIN20060123_141045_000000442044_00296_20390_7812.N1	23-JAN-2006 14:10:45	Dark	44.000	40	The Sco	1.8590	7100.0	88	20390	No
83	GOM_NL__2PRFIN20060123_141240_000000382044_00296_20390_7813.N1	23-JAN-2006 14:12:40	Dark	37.500	147	Alp Ara	2.8770	26000.	75	20390	No
84	GOM_NL__2PRFIN20060123_141416_000000312044_00296_20390_7814.N1	23-JAN-2006 14:14:16	Dark	31.000	141	Bet Ara	2.8400	4600.0	62	20390	No
85	GOM_NL__2PRFIN20060123_141734_000000382044_00297_20391_7786.N1	23-JAN-2006 14:17:34	Dark	37.500	134	Bet TrA	2.8100	6600.0	75	20391	No
86	GOM_NL__2PRFIN20060123_141856_000000402044_00297_20391_7787.N1	23-JAN-2006 14:18:56	Dark	40.000	4	Alp1Cen	-0.010000	5800.0	80	20391	No
87	GOM_NL__2PRFIN20060123_142328_000000402044_00297_20391_7788.N1	23-JAN-2006 14:23:28	Dark	39.500	12	Alp1Cru	0.77500	30000.	79	20391	No
88	GOM_NL__2PRFIN20060123_142735_000000372044_00297_20391_7789.N1	23-JAN-2006 14:27:35	Dark	37.000	29	Bet Car	1.6720	10200.	74	20391	No
89	GOM_NL__2PRFIN20060123_142945_000000392044_00297_20391_7790.N1	23-JAN-2006 14:29:45	Dark	38.500	71	lot Car	2.2460	7700.0	77	20391	No
90	GOM_NL__2PRFIN20060123_143134_000000382044_00297_20391_7791.N1	23-JAN-2006 14:31:34	Dark	38.000	46	Del Vel	1.9540	10600.	76	20391	No
91	GOM_NL__2PRFIN20060123_143411_000000392044_00297_20391_7792.N1	23-JAN-2006 14:34:11	Dark	38.500	34	Gam2Vel	1.7930	23000.	77	20391	No
92	GOM_NL__2PRFIN20060123_143617_000000392044_00297_20391_7793.N1	23-JAN-2006 14:36:17	Straylight	39.000	70	Zet Pup	2.2460	39000.	78	20391	No
93	GOM_NL__2PRFIN20060123_143748_000000432044_00297_20391_7794.N1	23-JAN-2006 14:37:48	Straylight	42.500	117	Pi Pup	2.7060	3800.0	85	20391	No
94	GOM_NL__2PRFIN20060123_144016_000000392044_00297_20391_7795.N1	23-JAN-2006 14:40:16	Straylight	39.000	23	21Eps CMa	1.5020	26000.	78	20391	No
95	GOM_NL__2PRFIN20060123_144140_000000372044_00297_20391_7796.N1	23-JAN-2006 14:41:40	Straylight	37.000	179	24Omi2CMa	3.0320	24000.	74	20391	No
96	GOM_NL__2PRFIN20060123_144350_000000452044_00297_20391_7797.N1	23-JAN-2006 14:43:50	Straylight	45.000	1	9Alp CMa	-1.4400	11000.	90	20391	No
97	GOM_NL__2PRFIN20060123_145101_000000512044_00297_20391_7798.N1	23-JAN-2006 14:51:01	Bright	50.500	14	58Alp Ori	0.87000	3000.0	101	20391	No
98	GOM_NL__2PRFIN20060123_145311_000000392044_00297_20391_7799.N1	23-JAN-2006 14:53:11	Bright	38.500	44	24Gam Gem	1.9280	11000.	77	20391	No
99	GOM_NL__2PRFIN20060123_145457_000000402044_00297_20391_7800.N1	23-JAN-2006 14:54:57	Bright	39.500	151	13Mu Gem	2.8900	3000.0	79	20391	No
100	GOM_NL__2PRFIN20060123_145713_000000382044_00297_20391_7801.N1	23-JAN-2006 14:57:13	Bright	37.500	28	12Bet Tau	1.6500	15200.	75	20391	No
101	GOM_NL__2PRFIN20060123_145911_000000362044_00297_20391_7802.N1	23-JAN-2006 14:59:11	Bright	35.500	107	37The Aur	2.6490	11000.	71	20391	No

102	GOM_NL__2PRFIN20060123_150119_000000342044_00297_20391_7803.N1	23-JAN-2006 15:01:19	Bright	34.000	42	34Bet Aur	1.9000	10200.	68	20391	No
103	GOM_NL__2PRFIN20060123_151350_000000352044_00297_20391_7804.N1	23-JAN-2006 15:13:50	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	20391	No
104	GOM_NL__2PRFIN20060123_152449_000000362044_00297_20391_7805.N1	23-JAN-2006 15:24:49	Bright	36.000	130	23Bet Dra	2.7990	5800.0	72	20391	No
105	GOM_NL__2PRFIN20060123_152810_000000342044_00297_20391_7806.N1	23-JAN-2006 15:28:10	Bright	33.500	5	3Alp Lyr	0.033000	11000.	67	20391	No
106	GOM_NL__2PRFIN20060123_153610_000000352044_00297_20391_7807.N1	23-JAN-2006 15:36:10	Bright	35.000	59	55Alp Oph	2.0800	8900.0	70	20391	No
107	GOM_NL__2PRFIN20060123_153817_000000352044_00297_20391_7808.N1	23-JAN-2006 15:38:17	Bright	34.500	126	60Bet Oph	2.7700	4250.0	69	20391	No
108	GOM_NL__2PRFIN20060123_154427_000000402044_00297_20391_7809.N1	23-JAN-2006 15:44:27	Bright	40.000	86	35Eta Oph	2.4300	10200.	80	20391	No
109	GOM_NL__2PRFIN20060123_154824_000000482044_00297_20391_7810.N1	23-JAN-2006 15:48:24	Twilight	48.000	16	21Alp Sco	1.0200	3000.0	96	20391	No
110	GOM_NL__2PRFIN20060123_154948_000000422044_00297_20391_7811.N1	23-JAN-2006 15:49:48	Twilight	41.500	25	35Lam Sco	1.6200	28000.	83	20391	No
111	GOM_NL__2PRFIN20060123_155121_000000402044_00297_20391_7812.N1	23-JAN-2006 15:51:21	Dark	40.000	40	The Sco	1.8590	7100.0	80	20391	No
112	GOM_NL__2PRFIN20060123_155317_000000372044_00297_20391_7813.N1	23-JAN-2006 15:53:17	Dark	36.500	147	Alp Ara	2.8770	26000.	73	20391	No
113	GOM_NL__2PRFIN20060123_155452_000000312044_00297_20391_7814.N1	23-JAN-2006 15:54:52	Dark	31.000	141	Bet Ara	2.8400	4600.0	62	20391	No
114	GOM_NL__2PRFIN20060123_155810_000000392044_00298_20392_7806.N1	23-JAN-2006 15:58:10	Dark	38.500	134	Bet TrA	2.8100	6600.0	77	20392	No
115	GOM_NL__2PRFIN20060123_155932_000000412044_00298_20392_7807.N1	23-JAN-2006 15:59:32	Dark	41.000	4	Alp1Cen	-0.010000	5800.0	82	20392	No
116	GOM_NL__2PRFIN20060123_160405_000000402044_00298_20392_7808.N1	23-JAN-2006 16:04:05	Dark	39.500	12	Alp1Cru	0.77500	30000.	79	20392	No
117	GOM_NL__2PRFIN20060123_160811_000000382044_00298_20392_7809.N1	23-JAN-2006 16:08:11	Dark	37.500	29	Bet Car	1.6720	10200.	75	20392	No
118	GOM_NL__2PRFIN20060123_161021_000000372044_00298_20392_7810.N1	23-JAN-2006 16:10:21	Dark	37.000	71	lot Car	2.2460	7700.0	74	20392	No
119	GOM_NL__2PRFIN20060123_161210_000000412044_00298_20392_7811.N1	23-JAN-2006 16:12:10	Dark	41.000	46	Del Vel	1.9540	10600.	82	20392	No
120	GOM_NL__2PRFIN20060123_161447_000000412044_00298_20392_7812.N1	23-JAN-2006 16:14:47	Dark	41.000	34	Gam2Vel	1.7930	23000.	82	20392	No
121	GOM_NL__2PRFIN20060123_161654_000000432044_00298_20392_7813.N1	23-JAN-2006 16:16:54	Straylight	42.500	70	Zet Pup	2.2460	39000.	85	20392	No
122	GOM_NL__2PRFIN20060123_161824_000000412044_00298_20392_7814.N1	23-JAN-2006 16:18:24	Straylight	41.000	117	Pi Pup	2.7060	3800.0	82	20392	No
123	GOM_NL__2PRFIN20060123_162053_000000442044_00298_20392_7815.N1	23-JAN-2006 16:20:53	Straylight	44.000	23	21Eps CMa	1.5020	26000.	88	20392	No
124	GOM_NL__2PRFIN20060123_162216_000000382044_00298_20392_7816.N1	23-JAN-2006 16:22:16	Straylight	38.000	179	24Omi2CMa	3.0320	24000.	76	20392	No
125	GOM_NL__2PRFIN20060123_162426_000000492044_00298_20392_7817.N1	23-JAN-2006 16:24:26	Straylight	48.500	1	9Alp CMa	-1.4400	11000.	97	20392	No
126	GOM_NL__2PRFIN20060123_163137_000000522044_00298_20392_7818.N1	23-JAN-2006 16:31:37	Bright	52.000	14	58Alp Ori	0.87000	3000.0	104	20392	No
127	GOM_NL__2PRFIN20060123_163347_000000392044_00298_20392_7819.N1	23-JAN-2006 16:33:47	Bright	39.000	44	24Gam Gem	1.9280	11000.	78	20392	No
128	GOM_NL__2PRFIN20060123_163533_000000402044_00298_20392_7820.N1	23-JAN-2006 16:35:33	Bright	40.000	151	13Mu Gem	2.8900	3000.0	80	20392	No
129	GOM_NL__2PRFIN20060123_163749_000000362044_00298_20392_7821.N1	23-JAN-2006 16:37:49	Bright	36.000	28	12Bet Tau	1.6500	15200.	72	20392	No
130	GOM_NL__2PRFIN20060123_163946_000000352044_00298_20392_7822.N1	23-JAN-2006 16:39:46	Bright	34.500	107	37The Aur	2.6490	11000.	69	20392	No
131	GOM_NL__2PRFIN20060123_164155_000000372044_00298_20392_7823.N1	23-JAN-2006 16:41:55	Bright	36.500	42	34Bet Aur	1.9000	10200.	73	20392	No
132	GOM_NL__2PRFIN20060123_165426_000000362044_00298_20392_7824.N1	23-JAN-2006 16:54:26	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	20392	No
133	GOM_NL__2PRFIN20060123_170525_000000362044_00298_20392_7825.N1	23-JAN-2006 17:05:25	Bright	36.000	130	23Bet Dra	2.7990	5800.0	72	20392	No
134	GOM_NL__2PRFIN20060123_170846_000000362044_00298_20392_7826.N1	23-JAN-2006 17:08:46	Bright	35.500	5	3Alp Lyr	0.033000	11000.	71	20392	No
135	GOM_NL__2PRFIN20060123_171646_000000352044_00298_20392_7827.N1	23-JAN-2006 17:16:46	Bright	34.500	59	55Alp Oph	2.0800	8900.0	69	20392	No
136	GOM_NL__2PRFIN20060123_171853_000000352044_00298_20392_7828.N1	23-JAN-2006 17:18:53	Bright	34.500	126	60Bet Oph	2.7700	4250.0	69	20392	No
137	GOM_NL__2PRFIN20060123_172503_000000412044_00298_20392_7829.N1	23-JAN-2006 17:25:03	Bright	41.000	86	35Eta Oph	2.4300	10200.	82	20392	No
138	GOM_NL__2PRFIN20060123_172900_000000492044_00298_20392_7830.N1	23-JAN-2006 17:29:00	Twilight	49.000	16	21Alp Sco	1.0200	3000.0	98	20392	No
139	GOM_NL__2PRFIN20060123_173024_000000412044_00298_20392_7831.N1	23-JAN-2006 17:30:24	Twilight	40.500	25	35Lam Sco	1.6200	28000.	81	20392	No
140	GOM_NL__2PRFIN20060123_173157_000000412044_00298_20392_7832.N1	23-JAN-2006 17:31:57	Dark	40.500	40	The Sco	1.8590	7100.0	81	20392	No
141	GOM_NL__2PRFIN20060123_173353_000000352044_00298_20392_7833.N1	23-JAN-2006 17:33:53	Dark	35.000	147	Alp Ara	2.8770	26000.	70	20392	No
142	GOM_NL__2PRFIN20060123_173528_000000422044_00298_20392_7834.N1	23-JAN-2006 17:35:28	Dark	42.000	141	Bet Ara	2.8400	4600.0	84	20392	No
143	GOM_NL__2PRFIN20060123_173846_000000372044_00299_20393_7806.N1	23-JAN-2006 17:38:46	Dark	36.500	134	Bet TrA	2.8100	6600.0	73	20393	No
144	GOM_NL__2PRFIN20060123_174009_000000552044_00299_20393_7807.N1	23-JAN-2006 17:40:09	Dark	54.500	4	Alp1Cen	-0.010000	5800.0	109	20393	No
145	GOM_NL__2PRFIN20060123_174441_000000422044_00299_20393_7808.N1	23-JAN-2006 17:44:41	Dark	41.500	12	Alp1Cru	0.77500	30000.	83	20393	No
146	GOM_NL__2PRFIN20060123_174848_000000472044_00299_20393_7809.N1	23-JAN-2006 17:48:48	Dark	47.000	29	Bet Car	1.6720	10200.	94	20393	No
147	GOM_NL__2PRFIN20060123_175057_000000372044_00299_20393_7810.N1	23-JAN-2006 17:50:57	Dark	37.000	71	lot Car	2.2460	7700.0	74	20393	No
148	GOM_NL__2PRFIN20060123_175246_000000382044_00299_20393_7811.N1	23-JAN-2006 17:52:46	Dark	37.500	46	Del Vel	1.9540	10600.	75	20393	No
149	GOM_NL__2PRFIN20060123_175523_000000392044_00299_20393_7812.N1	23-JAN-2006 17:55:23	Dark	38.500	34	Gam2Vel	1.7930	23000.	77	20393	No
150	GOM_NL__2PRFIN20060123_175730_000000412044_00299_20393_7813.N1	23-JAN-2006 17:57:30	Straylight	40.500	70	Zet Pup	2.2460	39000.	81	20393	No
151	GOM_NL__2PRFIN20060123_175900_000000422044_00299_20393_7814.N1	23-JAN-2006 17:59:00	Straylight	42.000	117	Pi Pup	2.7060	3800.0	84	20393	No
152	GOM_NL__2PRFIN20060123_180129_000000432044_00299_20393_7815.N1	23-JAN-2006 18:01:29	Straylight	42.500	23	21Eps CMa	1.5020	26000.	85	20393	No
153	GOM_NL__2PRFIN20060123_180252_000000362044_00299_20393_7816.N1	23-JAN-2006 18:02:52	Straylight	36.000	179	24Omi2CMa	3.0320	24000.	72	20393	No
154	GOM_NL__2PRFIN20060123_180502_000000482044_00299_20393_7817.N1	23-JAN-2006 18:05:02	Straylight	47.500	1	9Alp CMa	-1.4400	11000.	95	20393	No
155	GOM_NL__2PRFIN20060123_181213_000000482044_00299_20393_7818.N1	23-JAN-2006 18:12:13	Bright	48.000	14	58Alp Ori	0.87000	3000.0	96	20393	No
156	GOM_NL__2PRFIN20060123_181423_000000392044_00299_20393_7819.N1	23-JAN-2006 18:14:23	Bright	38.500	44	24Gam Gem	1.9280	11000.	77	20393	No
157	GOM_NL__2PRFIN20060123_181610_000000402044_00299_20393_7820.N1	23-JAN-2006 18:16:10	Bright	40.000	151	13Mu Gem	2.8900	3000.0	80	20393	No
158	GOM_NL__2PRFIN20060123_181825_000000372044_00299_20393_7821.N1	23-JAN-2006 18:18:25	Bright	37.000	28	12Bet Tau	1.6500	15200.	74	20393	No
159	GOM_NL__2PRFIN20060123_182023_000000352044_00299_20393_7822.N1	23-JAN-2006 18:20:23	Bright	35.000	107	37The Aur	2.6490	11000.	70	20393	No
160	GOM_NL__2PRFIN20060123_182231_000000362044_00299_20393_7823.N1	23-JAN-2006 18:22:31	Bright	35.500	42	34Bet Aur	1.9000	10200.	71	20393	No

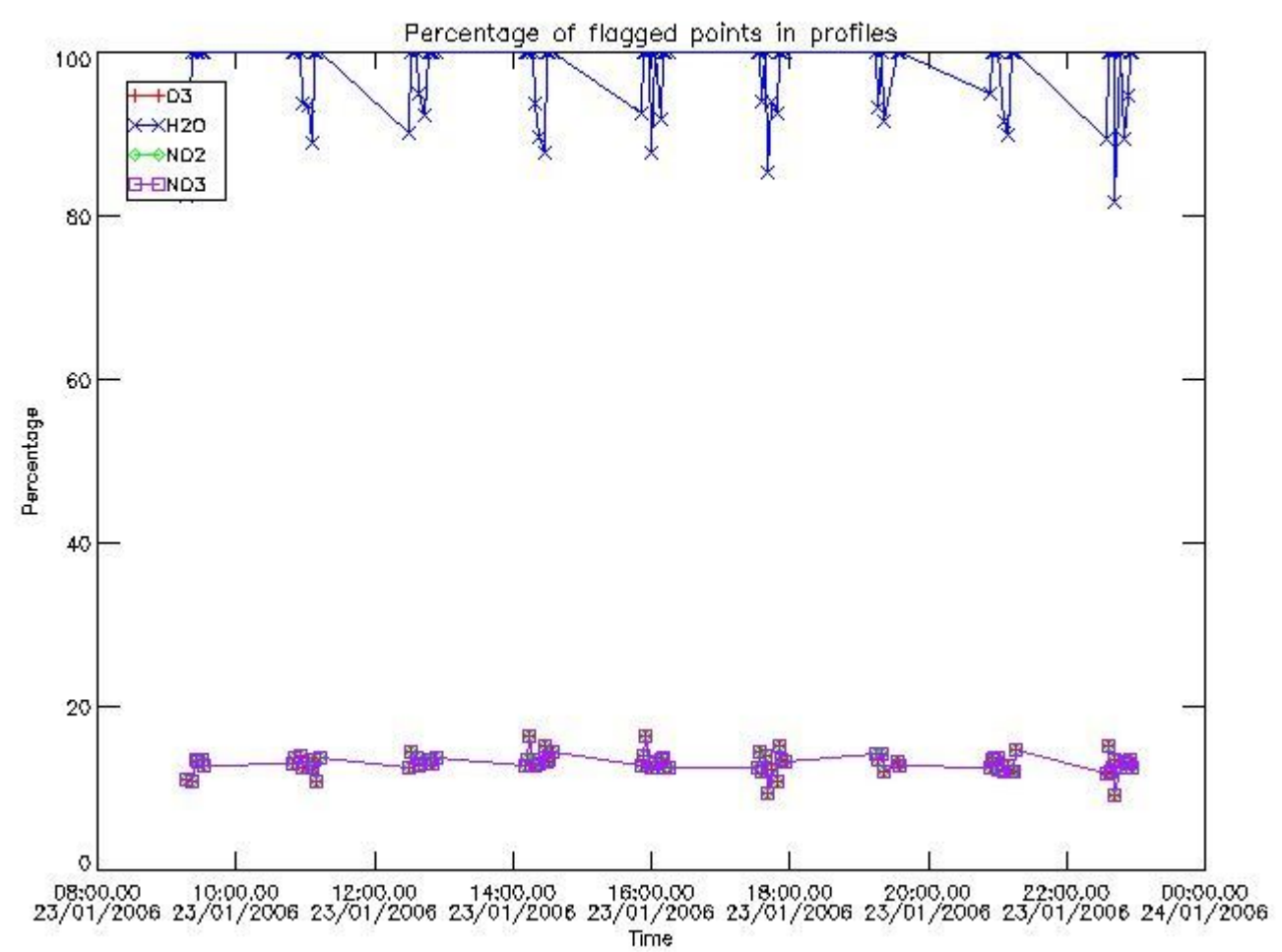
161	GOM_NL__2PRFIN20060123_183502_000000362044_00299_20393_7824.N1	23-JAN-2006 18:35:02	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	20393	No
162	GOM_NL__2PRFIN20060123_184601_000000362044_00299_20393_7825.N1	23-JAN-2006 18:46:01	Bright	36.000	130	23Bet Dra	2.7990	5800.0	72	20393	No
163	GOM_NL__2PRFIN20060123_184922_000000362044_00299_20393_7826.N1	23-JAN-2006 18:49:22	Bright	35.500	5	3Alp Lyr	0.033000	11000.	71	20393	No
164	GOM_NL__2PRFIN20060123_185723_000000452044_00299_20393_7827.N1	23-JAN-2006 18:57:23	Bright	44.500	59	55Alp Oph	2.0800	8900.0	89	20393	No
165	GOM_NL__2PRFIN20060123_185929_000000352044_00299_20393_7828.N1	23-JAN-2006 18:59:29	Bright	34.500	126	60Bet Oph	2.7700	4250.0	69	20393	No
166	GOM_NL__2PRFIN20060123_190540_000000402044_00299_20393_7829.N1	23-JAN-2006 19:05:40	Bright	40.000	86	35Eta Oph	2.4300	10200.	80	20393	No
167	GOM_NL__2PRFIN20060123_191429_000000362044_00299_20393_7830.N1	23-JAN-2006 19:14:29	Dark	36.000	147	Alp Ara	2.8770	26000.	72	20393	No
168	GOM_NL__2PRFIN20060123_191604_000000382044_00299_20393_7831.N1	23-JAN-2006 19:16:04	Dark	38.000	141	Bet Ara	2.8400	4600.0	76	20393	No
169	GOM_NL__2PRFIN20060123_191923_000000362044_00300_20394_7806.N1	23-JAN-2006 19:19:23	Dark	36.000	134	Bet TrA	2.8100	6600.0	72	20394	No
170	GOM_NL__2PRFIN20060123_192045_000000432044_00300_20394_7807.N1	23-JAN-2006 19:20:45	Dark	42.500	4	Alp1Cen	-0.010000	5800.0	85	20394	No
171	GOM_NL__2PRFIN20060123_193323_000000432044_00300_20394_7808.N1	23-JAN-2006 19:33:23	Dark	42.500	46	Del Vel	1.9540	10600.	85	20394	No
172	GOM_NL__2PRFIN20060123_193600_000000402044_00300_20394_7809.N1	23-JAN-2006 19:36:00	Dark	40.000	34	Gam2Vel	1.7930	23000.	80	20394	No
173	GOM_NL__2PRFIN20060123_194205_000000422044_00300_20394_7810.N1	23-JAN-2006 19:42:05	Straylight	42.000	23	21Eps CMa	1.5020	26000.	84	20394	No
174	GOM_NL__2PRFIN20060123_194328_000000392044_00300_20394_7811.N1	23-JAN-2006 19:43:28	Straylight	38.500	179	24Omi2CMa	3.0320	24000.	77	20394	No
175	GOM_NL__2PRFIN20060123_194538_000000462044_00300_20394_7812.N1	23-JAN-2006 19:45:38	Straylight	45.500	1	9Alp CMa	-1.4400	11000.	91	20394	No
176	GOM_NL__2PRFIN20060123_195249_000000512044_00300_20394_7813.N1	23-JAN-2006 19:52:49	Bright	51.000	14	58Alp Ori	0.87000	3000.0	102	20394	No
177	GOM_NL__2PRFIN20060123_195459_000000392044_00300_20394_7814.N1	23-JAN-2006 19:54:59	Bright	38.500	44	24Gam Gem	1.9280	11000.	77	20394	No
178	GOM_NL__2PRFIN20060123_195646_000000392044_00300_20394_7815.N1	23-JAN-2006 19:56:46	Bright	39.000	151	13Mu Gem	2.8900	3000.0	78	20394	No
179	GOM_NL__2PRFIN20060123_195901_000000362044_00300_20394_7816.N1	23-JAN-2006 19:59:01	Bright	36.000	28	12Bet Tau	1.6500	15200.	72	20394	No
180	GOM_NL__2PRFIN20060123_200059_000000362044_00300_20394_7817.N1	23-JAN-2006 20:00:59	Bright	36.000	107	37The Aur	2.6490	11000.	72	20394	No
181	GOM_NL__2PRFIN20060123_200307_000000522044_00300_20394_7818.N1	23-JAN-2006 20:03:07	Bright	52.000	42	34Bet Aur	1.9000	10200.	104	20394	No
182	GOM_NL__2PRFIN20060123_201538_000000372044_00300_20394_7819.N1	23-JAN-2006 20:15:38	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	20394	No
183	GOM_NL__2PRFIN20060123_203759_000000362044_00300_20394_7820.N1	23-JAN-2006 20:37:59	Bright	35.500	59	55Alp Oph	2.0800	8900.0	71	20394	No
184	GOM_NL__2PRFIN20060123_204005_000000342044_00300_20394_7821.N1	23-JAN-2006 20:40:05	Bright	33.500	126	60Bet Oph	2.7700	4250.0	67	20394	No
185	GOM_NL__2PRFIN20060123_204616_000000422044_00300_20394_7822.N1	23-JAN-2006 20:46:16	Bright	42.000	86	35Eta Oph	2.4300	10200.	84	20394	No
186	GOM_NL__2PRFIN20060123_205013_000000502044_00300_20394_7823.N1	23-JAN-2006 20:50:13	Twilight	49.500	16	21Alp Sco	1.0200	3000.0	99	20394	No
187	GOM_NL__2PRFIN20060123_205137_000000422044_00300_20394_7824.N1	23-JAN-2006 20:51:37	Twilight	41.500	25	35Lam Sco	1.6200	28000.	83	20394	No
188	GOM_NL__2PRFIN20060123_205310_000000412044_00300_20394_7825.N1	23-JAN-2006 20:53:10	Dark	40.500	40	The Sco	1.8590	7100.0	81	20394	No
189	GOM_NL__2PRFIN20060123_205505_000000382044_00300_20394_7826.N1	23-JAN-2006 20:55:05	Dark	37.500	147	Alp Ara	2.8770	26000.	75	20394	No
190	GOM_NL__2PRFIN20060123_205640_000000372044_00300_20394_7827.N1	23-JAN-2006 20:56:40	Dark	37.000	141	Bet Ara	2.8400	4600.0	74	20394	No
191	GOM_NL__2PRFIN20060123_205959_000000372044_00301_20395_7806.N1	23-JAN-2006 20:59:59	Dark	37.000	134	Bet TrA	2.8100	6600.0	74	20395	No
192	GOM_NL__2PRFIN20060123_210122_000000422044_00301_20395_7807.N1	23-JAN-2006 21:01:22	Dark	41.500	4	Alp1Cen	-0.010000	5800.0	83	20395	No
193	GOM_NL__2PRFIN20060123_210554_000000432044_00301_20395_7808.N1	23-JAN-2006 21:05:54	Dark	42.500	12	Alp1Cru	0.77500	30000.	85	20395	No
194	GOM_NL__2PRFIN20060123_211000_000000402044_00301_20395_7809.N1	23-JAN-2006 21:10:00	Dark	40.000	29	Bet Car	1.6720	10200.	80	20395	No
195	GOM_NL__2PRFIN20060123_211210_000000432044_00301_20395_7810.N1	23-JAN-2006 21:12:10	Dark	42.500	71	lot Car	2.2460	7700.0	85	20395	No
196	GOM_NL__2PRFIN20060123_211359_000000432044_00301_20395_7811.N1	23-JAN-2006 21:13:59	Dark	42.500	46	Del Vel	1.9540	10600.	85	20395	No
197	GOM_NL__2PRFIN20060123_211636_000000382044_00301_20395_7812.N1	23-JAN-2006 21:16:36	Dark	38.000	34	Gam2Vel	1.7930	23000.	76	20395	No
198	GOM_NL__2PRFIN20060123_211842_000000402044_00301_20395_7813.N1	23-JAN-2006 21:18:42	Straylight	40.000	70	Zet Pup	2.2460	39000.	80	20395	No
199	GOM_NL__2PRFIN20060123_212013_000000412044_00301_20395_7814.N1	23-JAN-2006 21:20:13	Straylight	41.000	117	Pi Pup	2.7060	3800.0	82	20395	No
200	GOM_NL__2PRFIN20060123_212241_000000412044_00301_20395_7815.N1	23-JAN-2006 21:22:41	Straylight	40.500	23	21Eps CMa	1.5020	26000.	81	20395	No
201	GOM_NL__2PRFIN20060123_212404_000000382044_00301_20395_7816.N1	23-JAN-2006 21:24:04	Straylight	38.000	179	24Omi2CMa	3.0320	24000.	76	20395	No
202	GOM_NL__2PRFIN20060123_212614_000000472044_00301_20395_7817.N1	23-JAN-2006 21:26:14	Straylight	46.500	1	9Alp CMa	-1.4400	11000.	93	20395	No
203	GOM_NL__2PRFIN20060123_213326_000000512044_00301_20395_7818.N1	23-JAN-2006 21:33:26	Bright	50.500	14	58Alp Ori	0.87000	3000.0	101	20395	No
204	GOM_NL__2PRFIN20060123_213535_000000382044_00301_20395_7819.N1	23-JAN-2006 21:35:35	Bright	37.500	44	24Gam Gem	1.9280	11000.	75	20395	No
205	GOM_NL__2PRFIN20060123_213722_000000382044_00301_20395_7820.N1	23-JAN-2006 21:37:22	Bright	38.000	151	13Mu Gem	2.8900	3000.0	76	20395	No
206	GOM_NL__2PRFIN20060123_213938_000000382044_00301_20395_7821.N1	23-JAN-2006 21:39:38	Bright	37.500	28	12Bet Tau	1.6500	15200.	75	20395	No
207	GOM_NL__2PRFIN20060123_214135_000000352044_00301_20395_7822.N1	23-JAN-2006 21:41:35	Bright	35.000	107	37The Aur	2.6490	11000.	70	20395	No
208	GOM_NL__2PRFIN20060123_214343_000000342044_00301_20395_7823.N1	23-JAN-2006 21:43:43	Bright	34.000	42	34Bet Aur	1.9000	10200.	68	20395	No
209	GOM_NL__2PRFIN20060123_215614_000000362044_00301_20395_7824.N1	23-JAN-2006 21:56:14	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	20395	No
210	GOM_NL__2PRFIN20060123_220713_000000372044_00301_20395_7825.N1	23-JAN-2006 22:07:13	Bright	36.500	130	23Bet Dra	2.7990	5800.0	73	20395	No
211	GOM_NL__2PRFIN20060123_221035_000000332044_00301_20395_7826.N1	23-JAN-2006 22:10:35	Bright	33.000	5	3Alp Lyr	0.033000	11000.	66	20395	No
212	GOM_NL__2PRFIN20060123_221835_000000342044_00301_20395_7827.N1	23-JAN-2006 22:18:35	Bright	34.000	59	55Alp Oph	2.0800	8900.0	68	20395	No
213	GOM_NL__2PRFIN20060123_222041_000000342044_00301_20395_7828.N1	23-JAN-2006 22:20:41	Bright	34.000	126	60Bet Oph	2.7700	4250.0	68	20395	No
214	GOM_NL__2PRFIN20060123_222652_000000412044_00301_20395_7829.N1	23-JAN-2006 22:26:52	Bright	40.500	86	35Eta Oph	2.4300	10200.	81	20395	No
215	GOM_NL__2PRFIN20060123_223050_000000542044_00301_20395_7830.N1	23-JAN-2006 22:30:50	Twilight	53.500	16	21Alp Sco	1.0200	3000.0	107	20395	No
216	GOM_NL__2PRFIN20060123_223346_000000432044_00301_20395_7831.N1	23-JAN-2006 22:33:46	Dark	43.000	40	The Sco	1.8590	7100.0	86	20395	No
217	GOM_NL__2PRFIN20060123_223541_000000372044_00301_20395_7832.N1	23-JAN-2006 22:35:41	Dark	37.000	147	Alp Ara	2.8770	26000.	74	20395	No
218	GOM_NL__2PRFIN20060123_223716_000000422044_00301_20395_7833.N1	23-JAN-2006 22:37:16	Dark	42.000	141	Bet Ara	2.8400	4600.0	84	20395	No
219	GOM_NL__2PRFIN20060123_224035_000000382044_00302_20396_7806.N1	23-JAN-2006 22:40:35	Dark	37.500	134	Bet TrA	2.8100	6600.0	75	20396	No

220	GOM_NL__2PRFIN20060123_224158_000000552044_00302_20396_7807.N1	23-JAN-2006 22:41:58	Dark	55.000	4	Alp1Cen	-0.010000	5800.0	110	20396	No
221	GOM_NL__2PRFIN20060123_224631_000000412044_00302_20396_7808.N1	23-JAN-2006 22:46:31	Dark	40.500	12	Alp1Cru	0.77500	30000.	81	20396	No
222	GOM_NL__2PRFIN20060123_225036_000000392044_00302_20396_7809.N1	23-JAN-2006 22:50:36	Dark	38.500	29	Bet Car	1.6720	10200.	77	20396	No
223	GOM_NL__2PRFIN20060123_225246_000000392044_00302_20396_7810.N1	23-JAN-2006 22:52:46	Dark	39.000	71	lot Car	2.2460	7700.0	78	20396	No
224	GOM_NL__2PRFIN20060123_225435_000000382044_00302_20396_7811.N1	23-JAN-2006 22:54:35	Dark	37.500	46	Del Vel	1.9540	10600.	75	20396	No
225	GOM_NL__2PRFIN20060123_225712_000000412044_00302_20396_7812.N1	23-JAN-2006 22:57:12	Dark	41.000	34	Gam2Vel	1.7930	23000.	82	20396	No
226	GOM_NL__2PRFIN20060123_225919_000000412044_00302_20396_7813.N1	23-JAN-2006 22:59:19	Straylight	40.500	70	Zet Pup	2.2460	39000.	81	20396	No
227	GOM_NL__2PRFIN20060123_230049_000000382044_00302_20396_7814.N1	23-JAN-2006 23:00:49	Straylight	38.000	117	Pi Pup	2.7060	3800.0	76	20396	No
228	GOM_NL__2PRFIN20060123_230317_000000382044_00302_20396_7815.N1	23-JAN-2006 23:03:17	Straylight	38.000	23	21Eps CMa	1.5020	26000.	76	20396	No
229	GOM_NL__2PRFIN20060123_230440_000000382044_00302_20396_7816.N1	23-JAN-2006 23:04:40	Straylight	38.000	179	24Omi2CMa	3.0320	24000.	76	20396	No
230	GOM_NL__2PRFIN20060123_230650_000000452044_00302_20396_7817.N1	23-JAN-2006 23:06:50	Straylight	44.500	1	9Alp CMa	-1.4400	11000.	89	20396	No
231	GOM_NL__2PRFIN20060123_231402_000000482044_00302_20396_7818.N1	23-JAN-2006 23:14:02	Bright	48.000	14	58Alp Ori	0.87000	3000.0	96	20396	No
232	GOM_NL__2PRFIN20060123_231611_000000392044_00302_20396_7819.N1	23-JAN-2006 23:16:11	Bright	38.500	44	24Gam Gem	1.9280	11000.	77	20396	No
233	GOM_NL__2PRFIN20060123_231758_000000382044_00302_20396_7820.N1	23-JAN-2006 23:17:58	Bright	37.500	151	13Mu Gem	2.8900	3000.0	75	20396	No
234	GOM_NL__2PRFIN20060123_232014_000000372044_00302_20396_7821.N1	23-JAN-2006 23:20:14	Bright	37.000	28	12Bet Tau	1.6500	15200.	74	20396	No
235	GOM_NL__2PRFIN20060123_232211_000000352044_00302_20396_7822.N1	23-JAN-2006 23:22:11	Bright	35.000	107	37The Aur	2.6490	11000.	70	20396	No
236	GOM_NL__2PRFIN20060123_232419_000000362044_00302_20396_7823.N1	23-JAN-2006 23:24:19	Bright	35.500	42	34Bet Aur	1.9000	10200.	71	20396	No
237	GOM_NL__2PRFIN20060123_233650_000000322044_00302_20396_7824.N1	23-JAN-2006 23:36:50	Bright	32.000	49	1Alp UMi	1.9900	6300.0	64	20396	No
238	GOM_NL__2PRFIN20060123_234749_000000382044_00302_20396_7825.N1	23-JAN-2006 23:47:49	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	20396	No
239	GOM_NL__2PRFIN20060123_235111_000000372044_00302_20396_7826.N1	23-JAN-2006 23:51:11	Bright	36.500	5	3Alp Lyr	0.033000	11000.	73	20396	No
240	GOM_NL__2PRFIN20060123_235911_000000342044_00302_20396_7827.N1	23-JAN-2006 23:59:11	Bright	34.000	59	55Alp Oph	2.0800	8900.0	68	20396	No

### *3. Quality information per product*

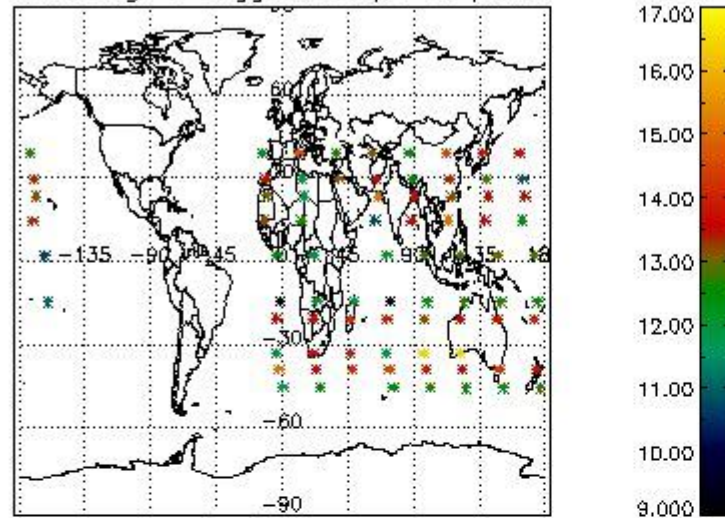
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

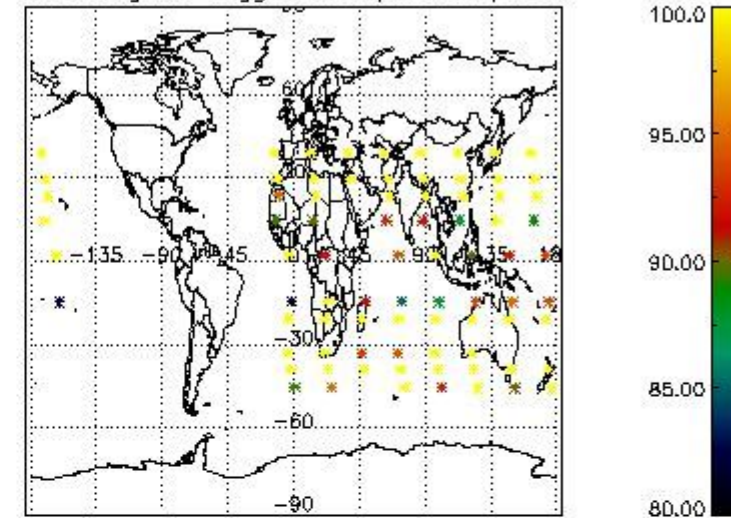


3.2 Plot quality information per product (world map)

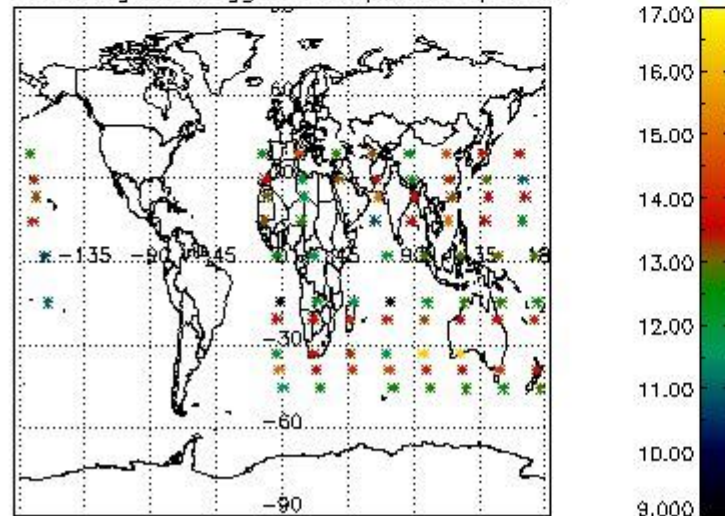
Percentage of flagged data per O3 profile



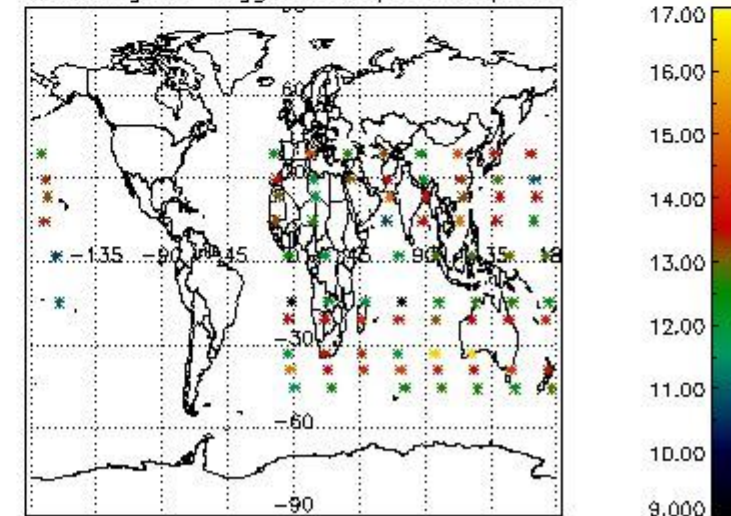
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile



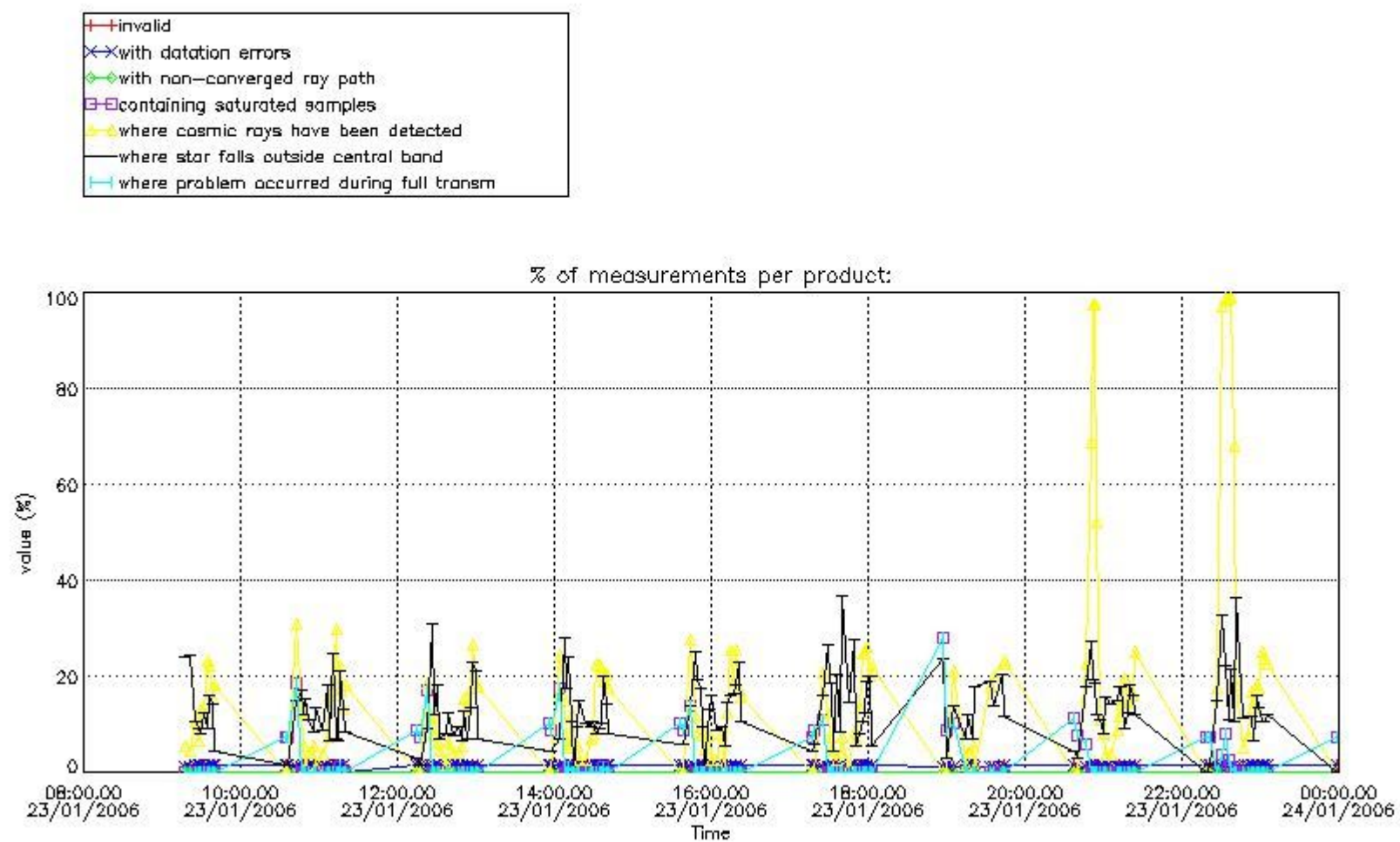
#### 4. Level 1 quality information per product

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.

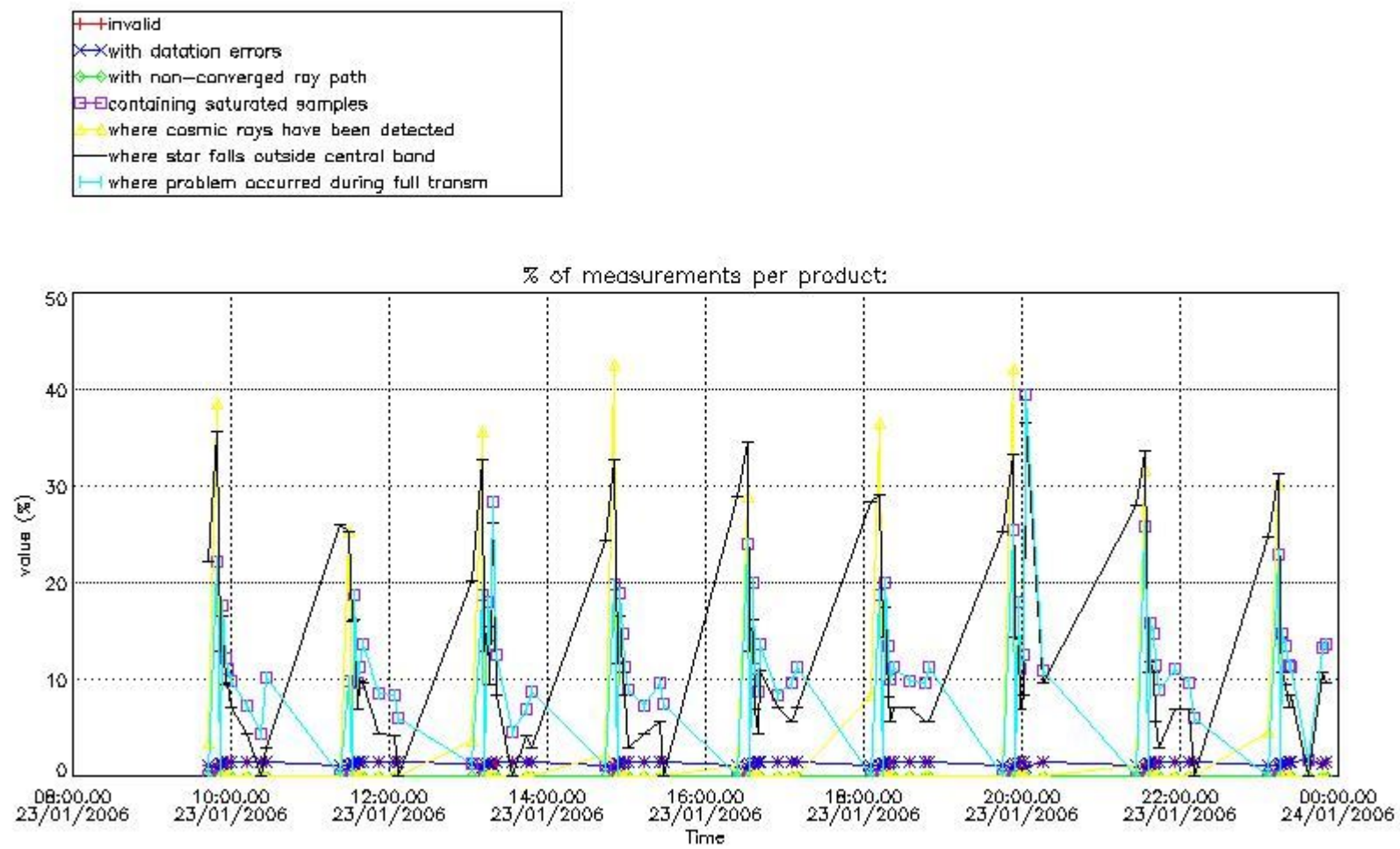
##### 4.1 Plot quality information per product (time dependant) coming from level 1b processing

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



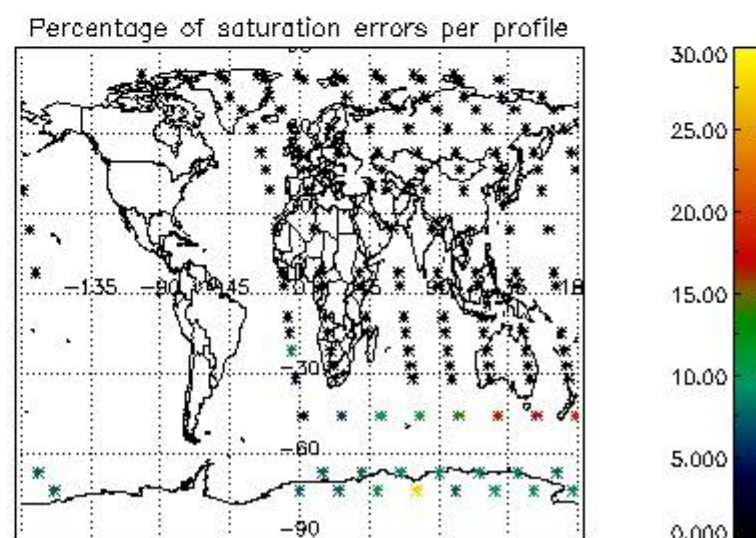
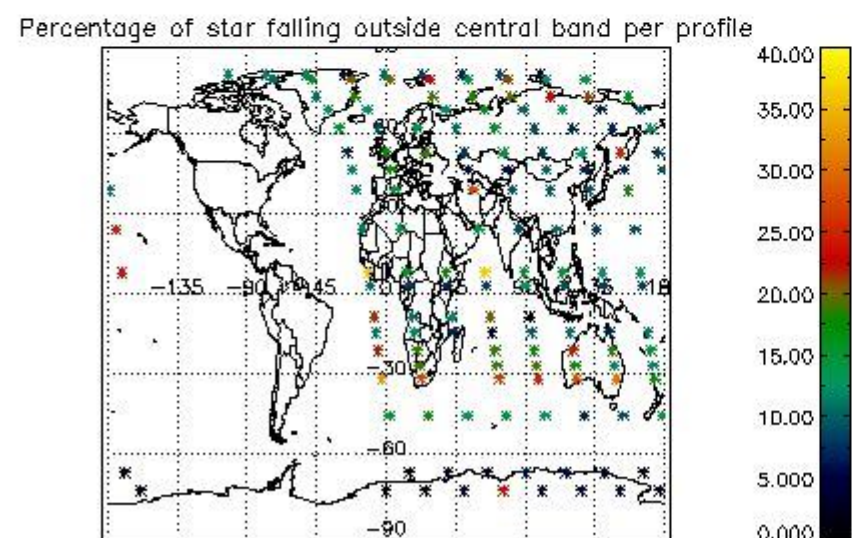
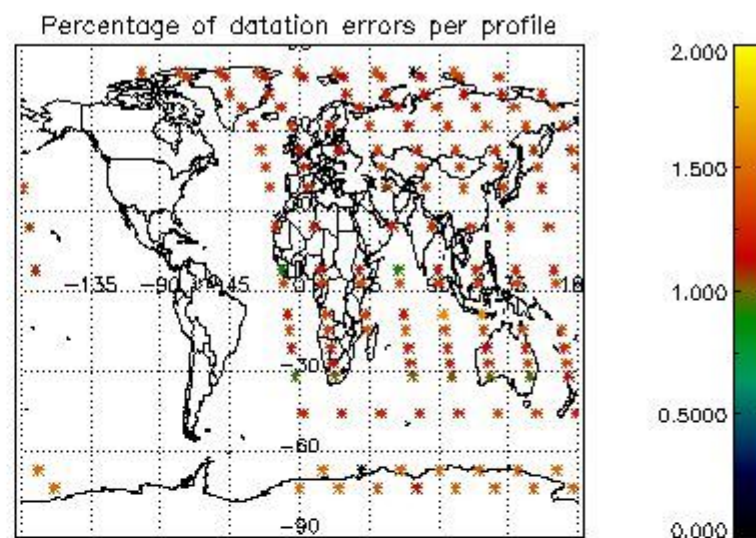
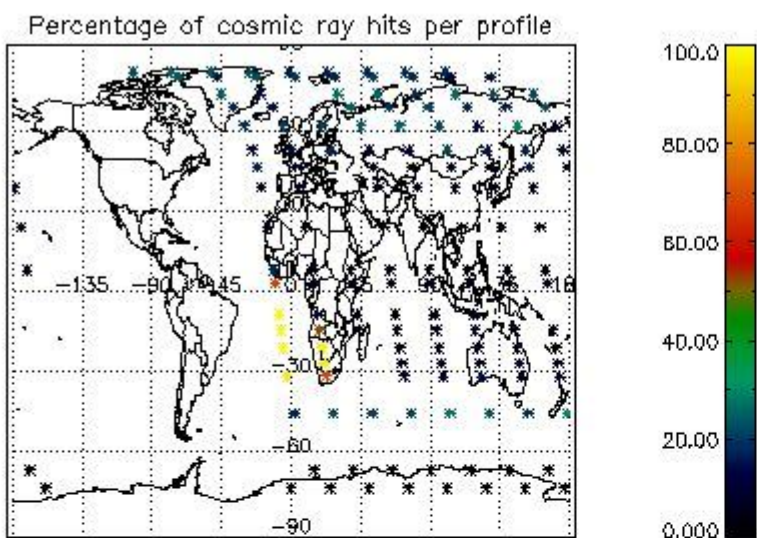


4.1.2 Plot level 1 quality information per product (time dependant): ENVISAT DESCENDING passes



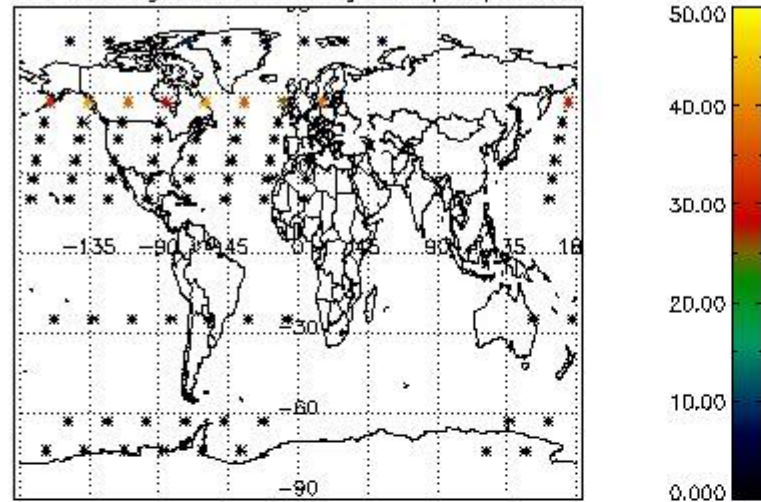
#### 4.2 Plot quality information per product coming from level 1b processing (world map)

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

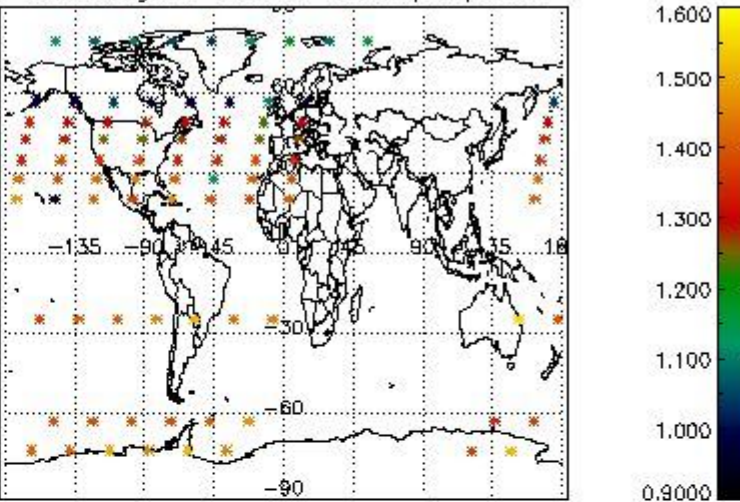


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

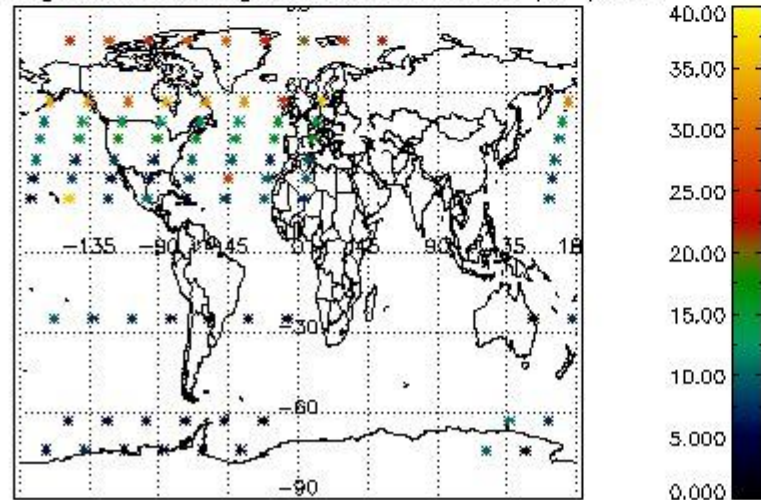
Percentage of cosmic ray hits per profile



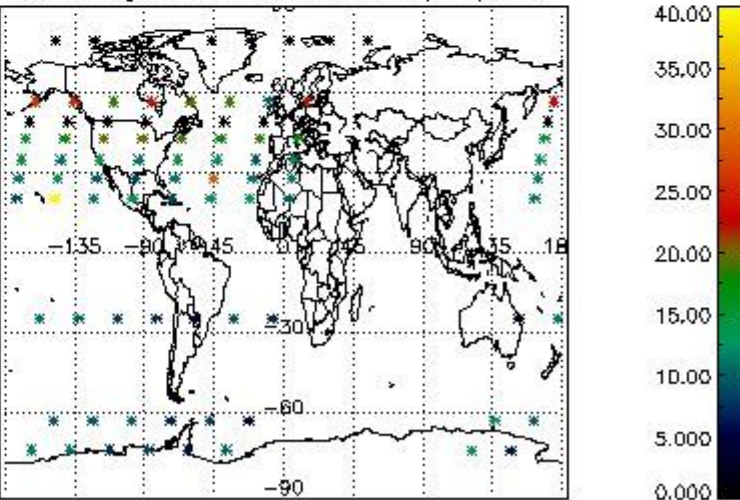
Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



## 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

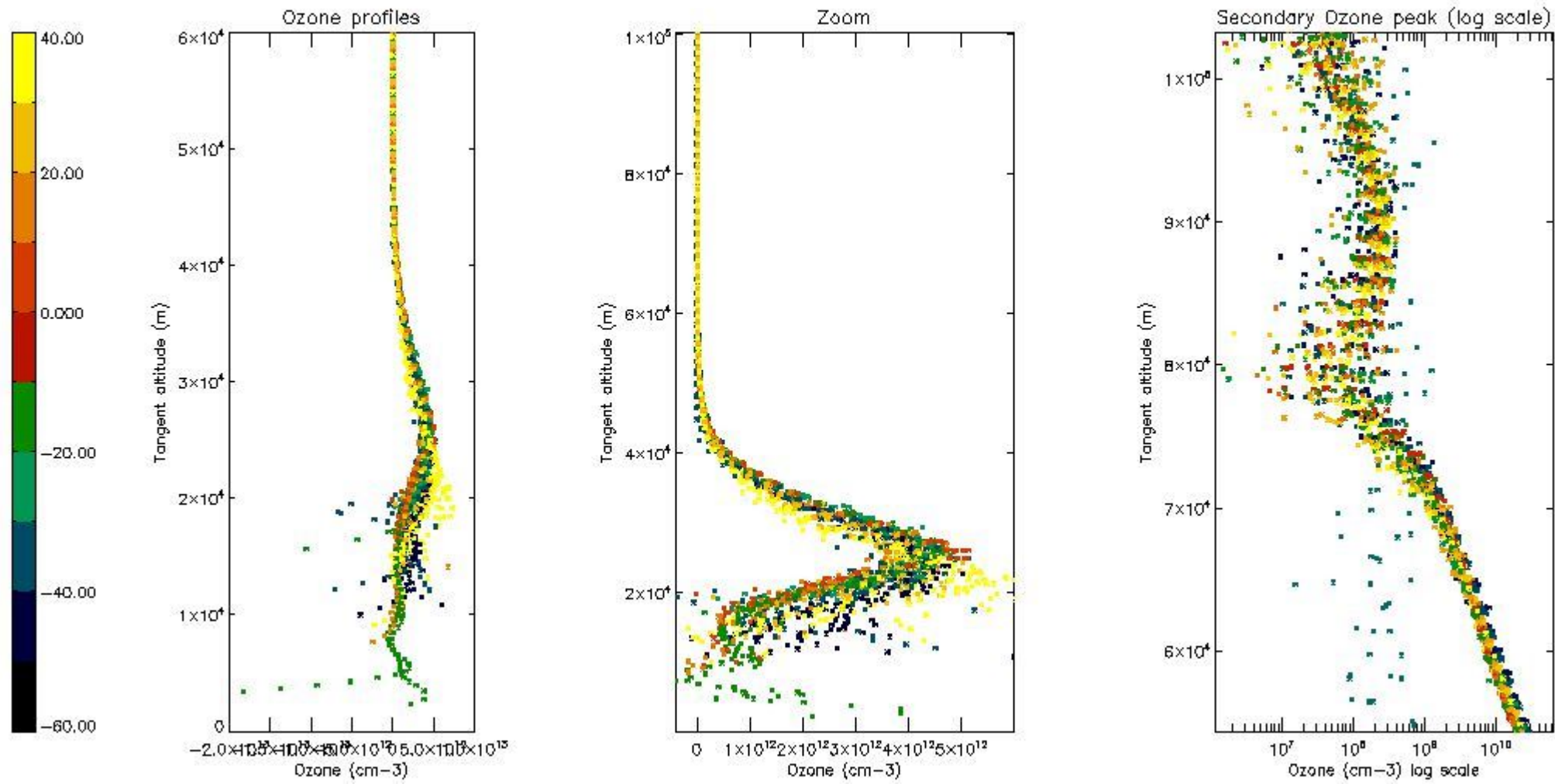
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	34
STD < 20	20

STD < 10	16
STD < 5	10

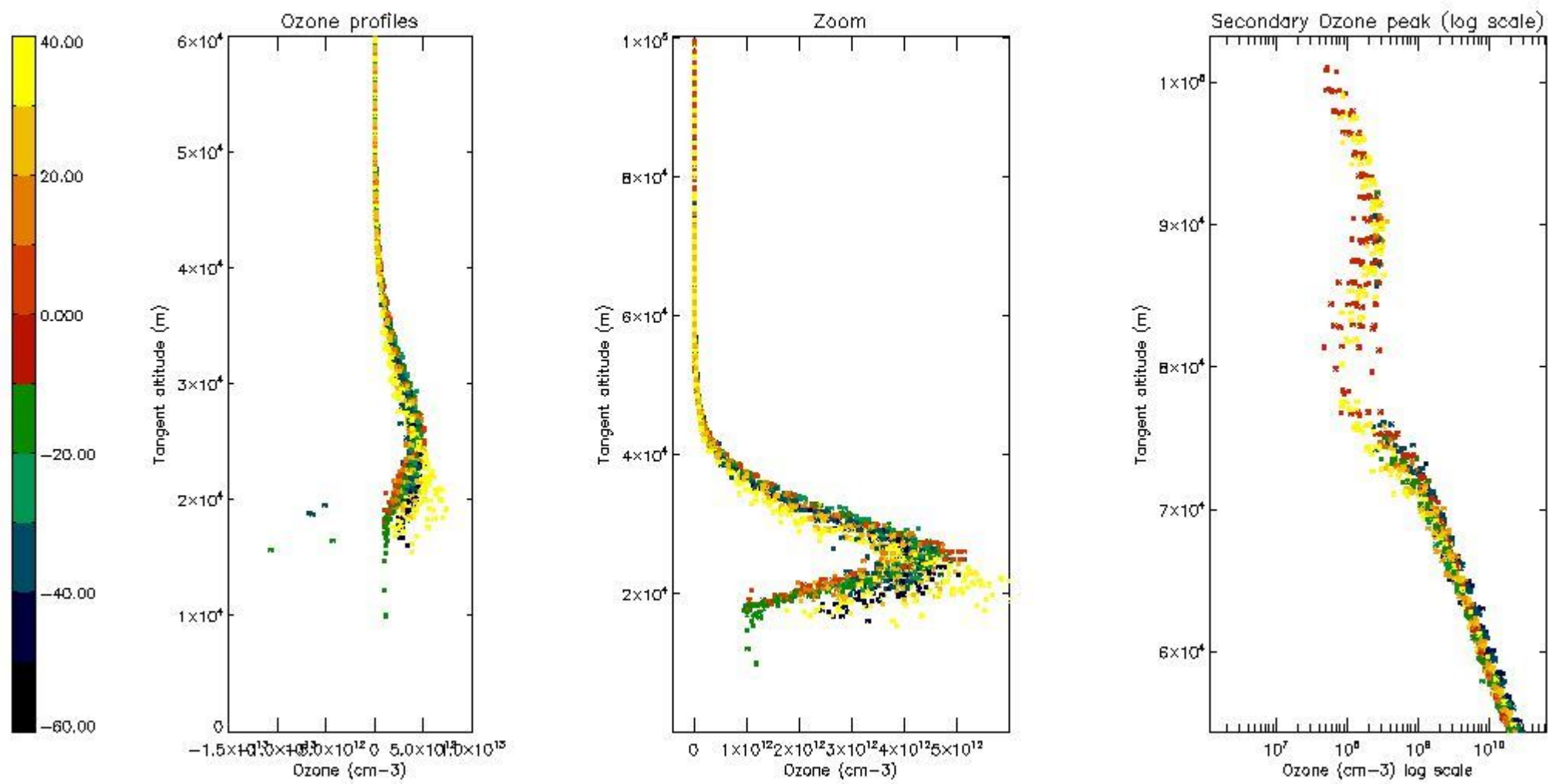
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



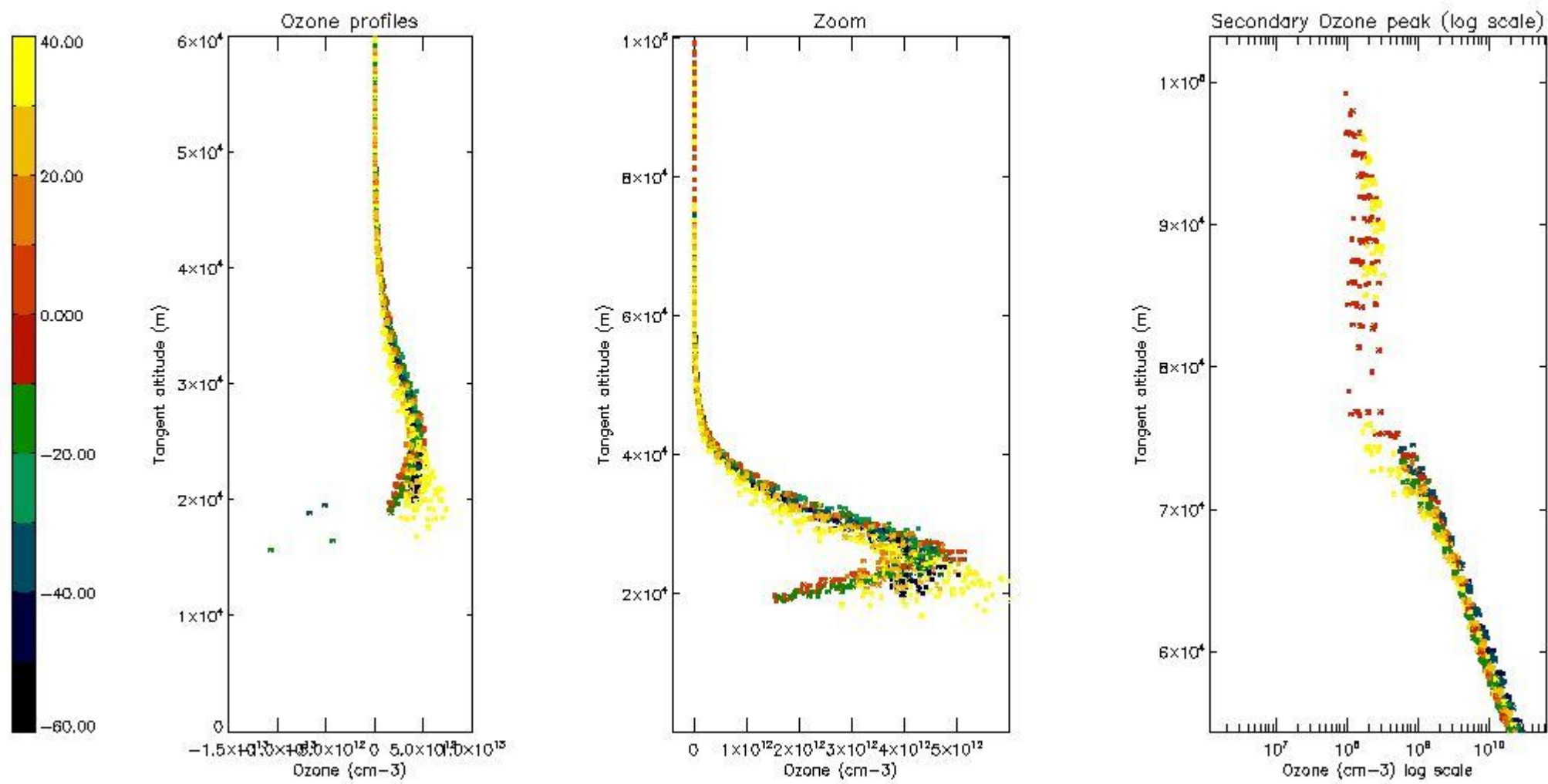
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



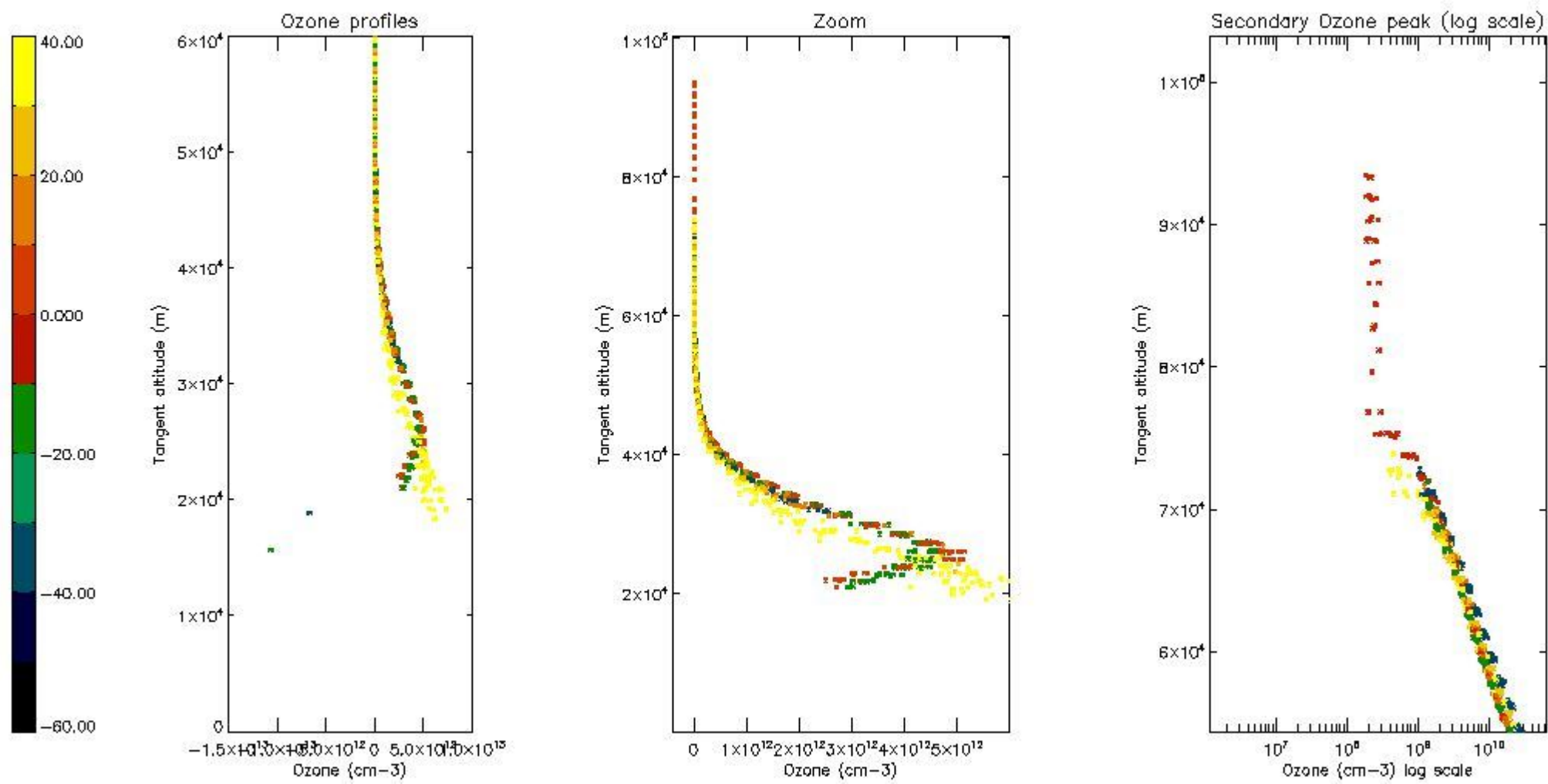
*5.4 Plot ozone profiles where STD < 10% (dark without errors)*

The colorbar represents the latitude.



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

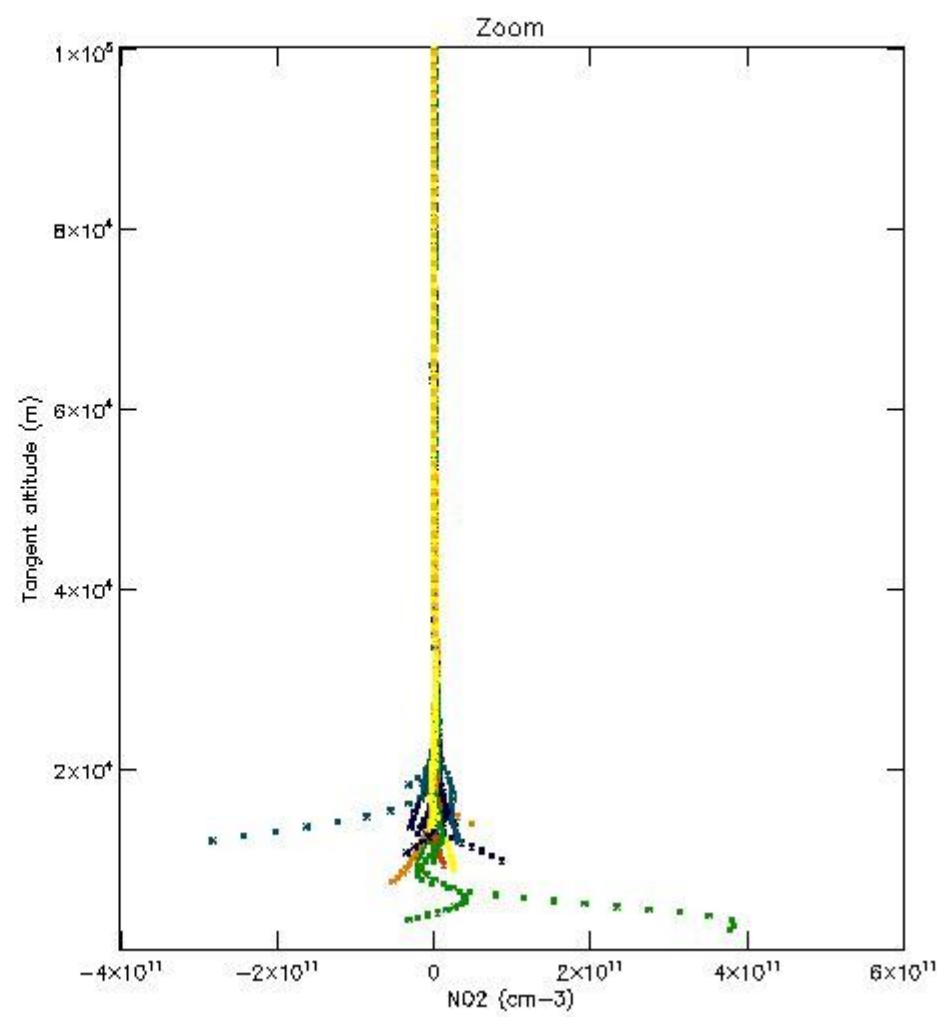
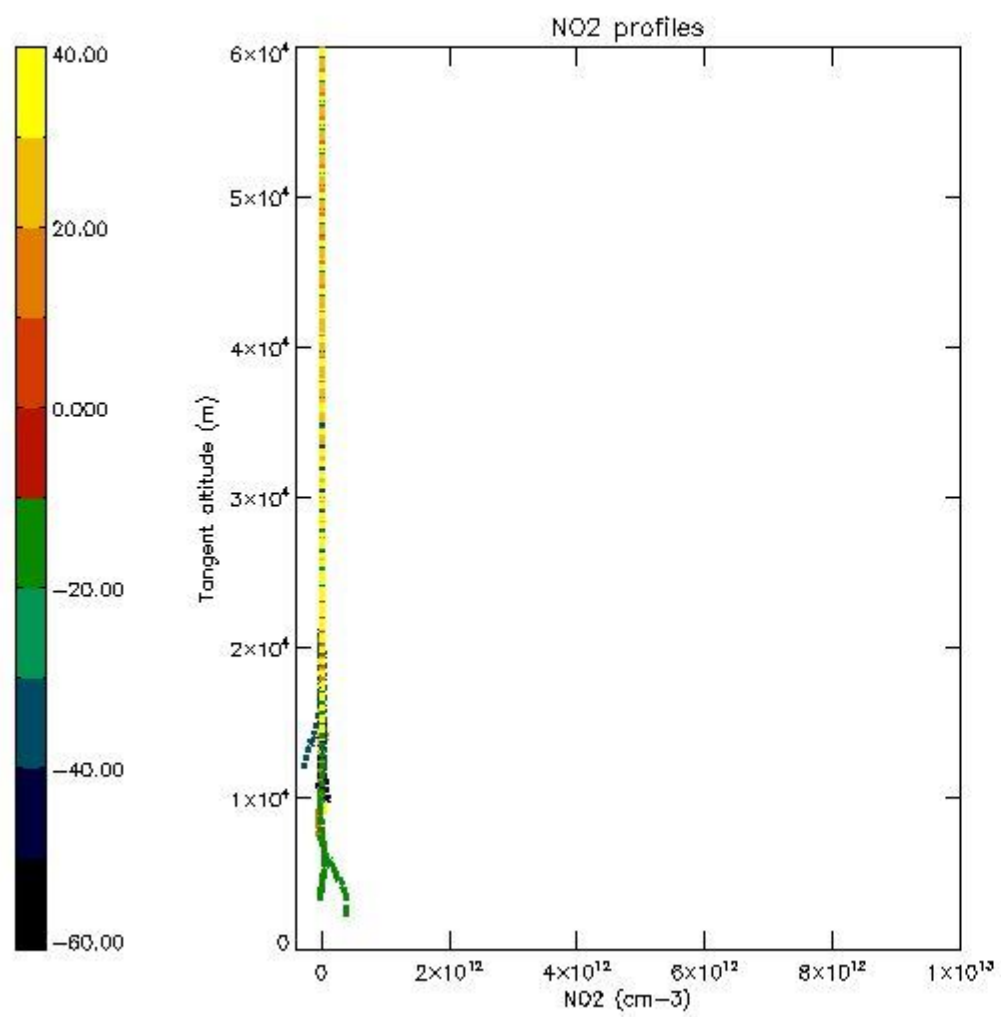
The colorbar represents the latitude.



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

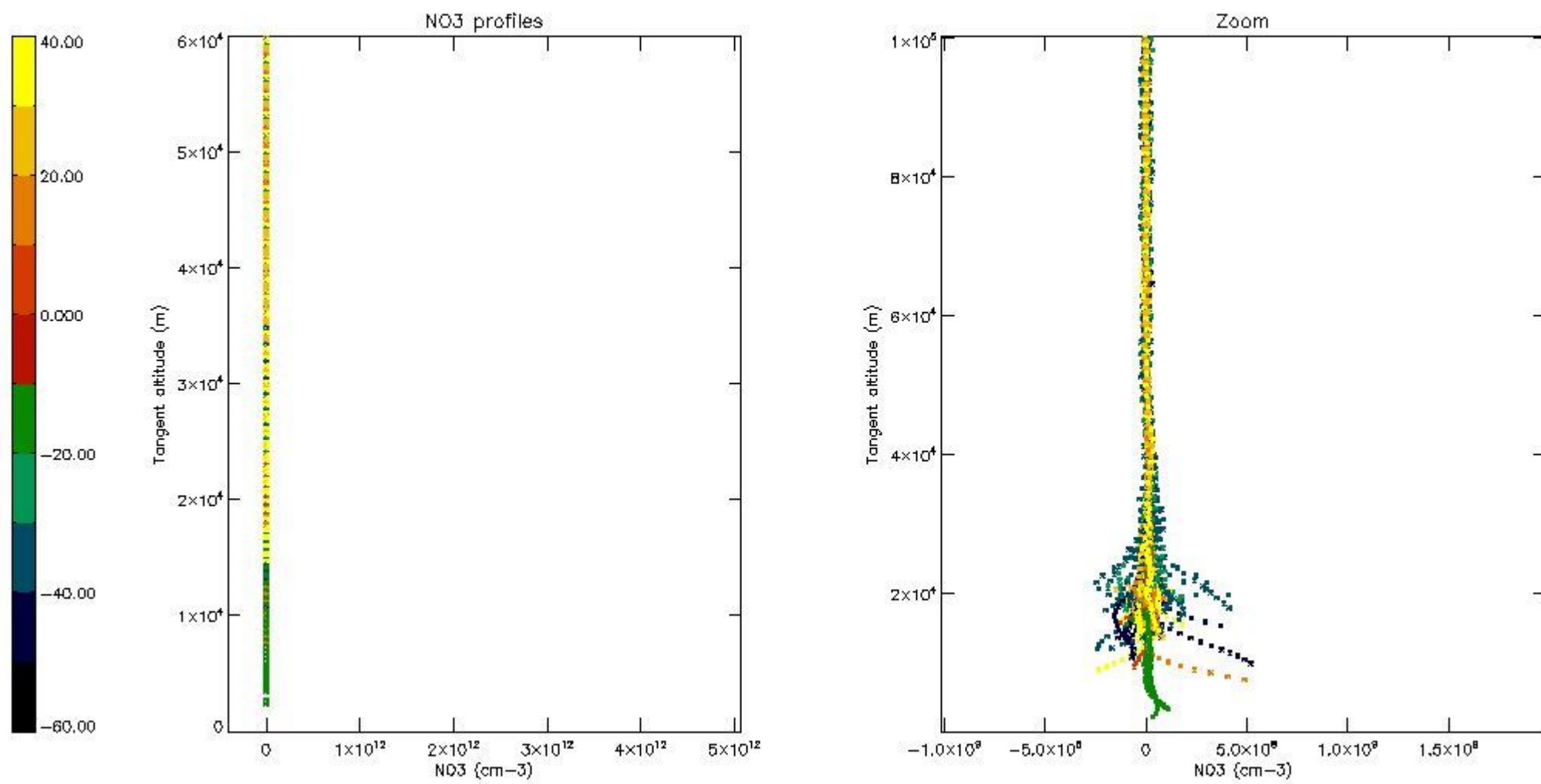
The colorbar represents the latitude.





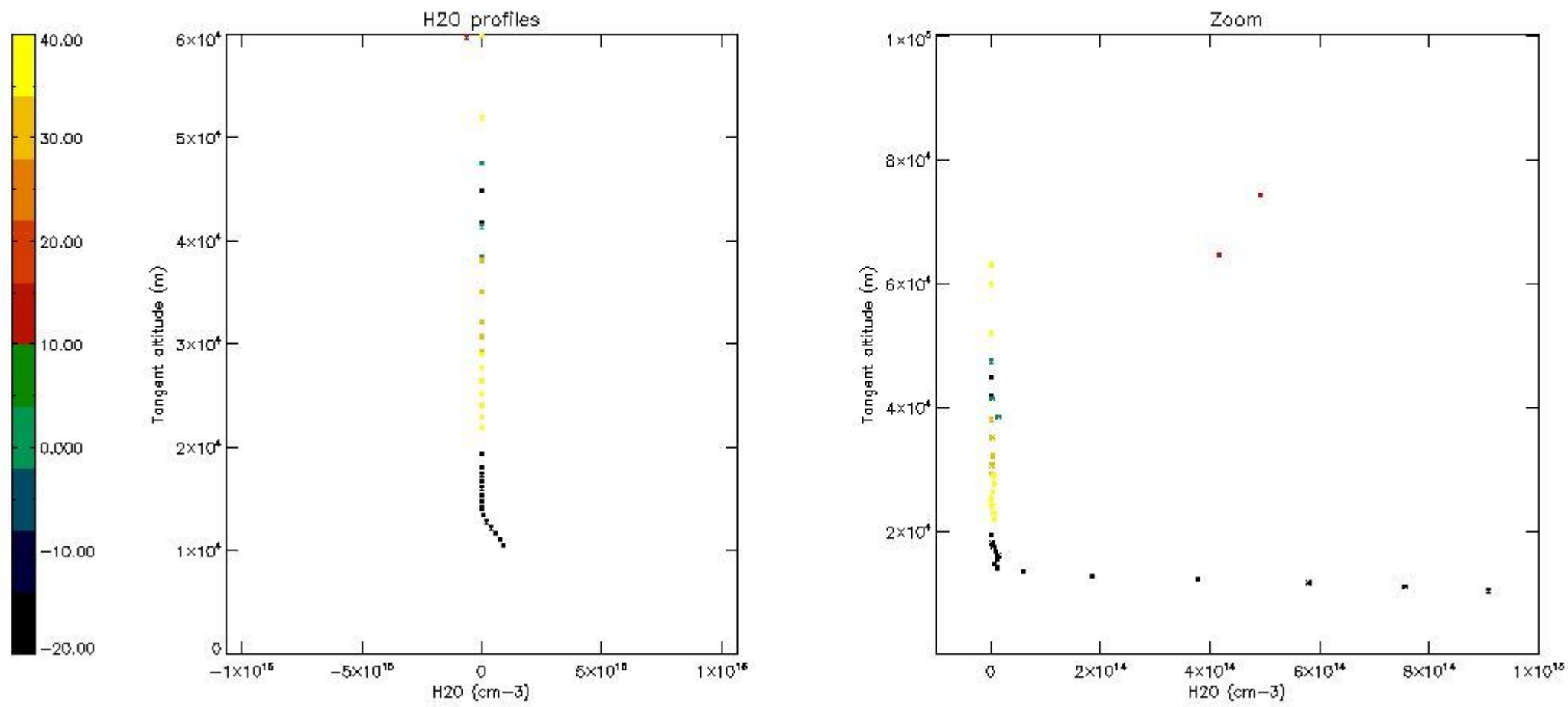
*5.7 Plot NO3 profiles for all STD (dark without errors)*

The colorbar represents the latitude.



5.8 Plot H<sub>2</sub>O profiles for all STD (only for occultations of stars 1,2,3,4,13,14,16,26,63 dark without errors)

The colorbar represents the latitude.



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

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

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	23-JAN-2006 09:17:06
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	23-JAN-2006 09:17:06
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	23-JAN-2006 09:17:06

# 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	22APR2013 14:46:23
Data source version	GOMOS/6.01
Start time of products	23-01-2006 (23JAN2006 00:00:00)
Stop time of products	24-01-2006 (24JAN2006 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	240
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__2PRFIN20060123_091706_000000462044_00294_20388_7786.N1	23-JAN-2006 09:17:06	Dark	46.000	4	Alp1Cen	-0.010000	5800.0	92	20388	No
2	GOM_NL__2PRFIN20060123_092139_000000482044_00294_20388_7787.N1	23-JAN-2006 09:21:39	Dark	47.500	12	Alp1Cru	0.77500	30000.	95	20388	No
3	GOM_NL__2PRFIN20060123_092547_000000382044_00294_20388_7788.N1	23-JAN-2006 09:25:47	Dark	38.000	29	Bet Car	1.6720	10200.	76	20388	No
4	GOM_NL__2PRFIN20060123_092756_000000392044_00294_20388_7789.N1	23-JAN-2006 09:27:56	Dark	38.500	71	lot Car	2.2460	7700.0	77	20388	No
5	GOM_NL__2PRFIN20060123_092945_000000382044_00294_20388_7790.N1	23-JAN-2006 09:29:45	Dark	38.000	46	Del Vel	1.9540	10600.	76	20388	No
6	GOM_NL__2PRFIN20060123_093222_000000402044_00294_20388_7791.N1	23-JAN-2006 09:32:22	Dark	40.000	34	Gam2Vel	1.7930	23000.	80	20388	No
7	GOM_NL__2PRFIN20060123_093429_000000392044_00294_20388_7792.N1	23-JAN-2006 09:34:29	Straylight	38.500	70	Zet Pup	2.2460	39000.	77	20388	No
8	GOM_NL__2PRFIN20060123_093600_000000412044_00294_20388_7793.N1	23-JAN-2006 09:36:00	Straylight	40.500	117	Pi Pup	2.7060	3800.0	81	20388	No
9	GOM_NL__2PRFIN20060123_093828_000000392044_00294_20388_7794.N1	23-JAN-2006 09:38:28	Straylight	39.000	23	21Eps CMa	1.5020	26000.	78	20388	No
10	GOM_NL__2PRFIN20060123_093952_000000362044_00294_20388_7795.N1	23-JAN-2006 09:39:52	Straylight	35.500	179	24Omi2CMa	3.0320	24000.	71	20388	No
11	GOM_NL__2PRFIN20060123_094202_000000432044_00294_20388_7796.N1	23-JAN-2006 09:42:02	Straylight	43.000	1	9Alp CMa	-1.4400	11000.	86	20388	No
12	GOM_NL__2PRFIN20060123_094912_000000522044_00294_20388_7797.N1	23-JAN-2006 09:49:12	Bright	52.000	14	58Alp Ori	0.87000	3000.0	104	20388	No
13	GOM_NL__2PRFIN20060123_095124_000000392044_00294_20388_7798.N1	23-JAN-2006 09:51:24	Bright	38.500	44	24Gam Gem	1.9280	11000.	77	20388	No
14	GOM_NL__2PRFIN20060123_095310_000000402044_00294_20388_7799.N1	23-JAN-2006 09:53:10	Bright	39.500	151	13Mu Gem	2.8900	3000.0	79	20388	No
15	GOM_NL__2PRFIN20060123_095524_000000372044_00294_20388_7800.N1	23-JAN-2006 09:55:24	Bright	37.000	28	12Bet Tau	1.6500	15200.	74	20388	No
16	GOM_NL__2PRFIN20060123_095722_000000362044_00294_20388_7801.N1	23-JAN-2006 09:57:22	Bright	36.000	107	37The Aur	2.6490	11000.	72	20388	No
17	GOM_NL__2PRFIN20060123_095931_000000362044_00294_20388_7802.N1	23-JAN-2006 09:59:31	Bright	35.500	42	34Bet Aur	1.9000	10200.	71	20388	No
18	GOM_NL__2PRFIN20060123_101202_000000352044_00294_20388_7803.N1	23-JAN-2006 10:12:02	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	20388	No
19	GOM_NL__2PRFIN20060123_102301_000000342044_00294_20388_7804.N1	23-JAN-2006 10:23:01	Bright	34.000	130	23Bet Dra	2.7990	5800.0	68	20388	No
20	GOM_NL__2PRFIN20060123_102622_000000352044_00294_20388_7805.N1	23-JAN-2006 10:26:22	Bright	34.500	5	3Alp Lyr	0.033000	11000.	69	20388	No
21	GOM_NL__2PRFIN20060123_103422_000000342044_00294_20388_7806.N1	23-JAN-2006 10:34:22	Bright	34.000	59	55Alp Oph	2.0800	8900.0	68	20388	No
22	GOM_NL__2PRFIN20060123_103628_000000342044_00294_20388_7807.N1	23-JAN-2006 10:36:28	Bright	34.000	126	60Bet Oph	2.7700	4250.0	68	20388	No
23	GOM_NL__2PRFIN20060123_104238_000000412044_00294_20388_7808.N1	23-JAN-2006 10:42:38	Bright	40.500	86	35Eta Oph	2.4300	10200.	81	20388	No
24	GOM_NL__2PRFIN20060123_104634_000000442044_00294_20388_7809.N1	23-JAN-2006 10:46:34	Twilight	43.500	16	21Alp Sco	1.0200	3000.0	87	20388	No
25	GOM_NL__2PRFIN20060123_104800_000000382044_00294_20388_7810.N1	23-JAN-2006 10:48:00	Twilight	37.500	25	35Lam Sco	1.6200	28000.	75	20388	No
26	GOM_NL__2PRFIN20060123_104933_000000402044_00294_20388_7811.N1	23-JAN-2006 10:49:33	Dark	39.500	40	The Sco	1.8590	7100.0	79	20388	No
27	GOM_NL__2PRFIN20060123_105128_000000372044_00294_20388_7812.N1	23-JAN-2006 10:51:28	Dark	37.000	147	Alp Ara	2.8770	26000.	74	20388	No
28	GOM_NL__2PRFIN20060123_105621_000000372044_00295_20389_7786.N1	23-JAN-2006 10:56:21	Dark	36.500	134	Bet TrA	2.8100	6600.0	73	20389	No
29	GOM_NL__2PRFIN20060123_105743_000000412044_00295_20389_7787.N1	23-JAN-2006 10:57:43	Dark	40.500	4	Alp1Cen	-0.010000	5800.0	81	20389	No
30	GOM_NL__2PRFIN20060123_110215_000000402044_00295_20389_7788.N1	23-JAN-2006 11:02:15	Dark	39.500	12	Alp1Cru	0.77500	30000.	79	20389	No
31	GOM_NL__2PRFIN20060123_110623_000000412044_00295_20389_7789.N1	23-JAN-2006 11:06:23	Dark	41.000	29	Bet Car	1.6720	10200.	82	20389	No
32	GOM_NL__2PRFIN20060123_110832_000000382044_00295_20389_7790.N1	23-JAN-2006 11:08:32	Dark	37.500	71	lot Car	2.2460	7700.0	75	20389	No
33	GOM_NL__2PRFIN20060123_111021_000000472044_00295_20389_7791.N1	23-JAN-2006 11:10:21	Dark	46.500	46	Del Vel	1.9540	10600.	93	20389	No
34	GOM_NL__2PRFIN20060123_111258_000000372044_00295_20389_7792.N1	23-JAN-2006 11:12:58	Dark	37.000	34	Gam2Vel	1.7930	23000.	74	20389	No
35	GOM_NL__2PRFIN20060123_111505_000000382044_00295_20389_7793.N1	23-JAN-2006 11:15:05	Straylight	37.500	70	Zet Pup	2.2460	39000.	75	20389	No
36	GOM_NL__2PRFIN20060123_111636_000000432044_00295_20389_7794.N1	23-JAN-2006 11:16:36	Straylight	43.000	117	Pi Pup	2.7060	3800.0	86	20389	No
37	GOM_NL__2PRFIN20060123_111904_000000392044_00295_20389_7795.N1	23-JAN-2006 11:19:04	Straylight	38.500	23	21Eps CMa	1.5020	26000.	77	20389	No
38	GOM_NL__2PRFIN20060123_112027_000000362044_00295_20389_7796.N1	23-JAN-2006 11:20:27	Straylight	36.000	179	24Omi2CMa	3.0320	24000.	72	20389	No
39	GOM_NL__2PRFIN20060123_112238_000000462044_00295_20389_7797.N1	23-JAN-2006 11:22:38	Straylight	46.000	1	9Alp CMa	-1.4400	11000.	92	20389	No
40	GOM_NL__2PRFIN20060123_112949_000000462044_00295_20389_7798.N1	23-JAN-2006 11:29:49	Twilight	45.500	14	58Alp Ori	0.87000	3000.0	91	20389	No
41	GOM_NL__2PRFIN20060123_113159_000000412044_00295_20389_7799.N1	23-JAN-2006 11:31:59	Bright	40.500	44	24Gam Gem	1.9280	11000.	81	20389	No
42	GOM_NL__2PRFIN20060123_113345_000000402044_00295_20389_7800.N1	23-JAN-2006 11:33:45	Bright	40.000	151	13Mu Gem	2.8900	3000.0	80	20389	No



43	GOM_NL_2PRFIN20060123_113600_000000362044_00295_20389_7801.N1	23-JAN-2006 11:36:00	Bright	36.000	28	12Bet Tau	1.6500	15200.	72	20389	No
44	GOM_NL_2PRFIN20060123_113758_000000362044_00295_20389_7802.N1	23-JAN-2006 11:37:58	Bright	35.500	107	37The Aur	2.6490	11000.	71	20389	No
45	GOM_NL_2PRFIN20060123_114007_000000372044_00295_20389_7803.N1	23-JAN-2006 11:40:07	Bright	36.500	42	34Bet Aur	1.9000	10200.	73	20389	No
46	GOM_NL_2PRFIN20060123_115238_000000352044_00295_20389_7804.N1	23-JAN-2006 11:52:38	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	20389	No
47	GOM_NL_2PRFIN20060123_120336_000000362044_00295_20389_7805.N1	23-JAN-2006 12:03:36	Bright	35.500	130	23Bet Dra	2.7990	5800.0	71	20389	No
48	GOM_NL_2PRFIN20060123_120658_000000332044_00295_20389_7806.N1	23-JAN-2006 12:06:58	Bright	33.000	5	3Alp Lyr	0.033000	11000.	66	20389	No
49	GOM_NL_2PRFIN20060123_121458_000000352044_00295_20389_7807.N1	23-JAN-2006 12:14:58	Bright	34.500	59	55Alp Oph	2.0800	8900.0	69	20389	No
50	GOM_NL_2PRFIN20060123_121704_000000342044_00295_20389_7808.N1	23-JAN-2006 12:17:04	Bright	34.000	126	60Bet Oph	2.7700	4250.0	68	20389	No
51	GOM_NL_2PRFIN20060123_122314_000000382044_00295_20389_7809.N1	23-JAN-2006 12:23:14	Bright	38.000	86	35Eta Oph	2.4300	10200.	76	20389	No
52	GOM_NL_2PRFIN20060123_122711_000000522044_00295_20389_7810.N1	23-JAN-2006 12:27:11	Twilight	52.000	16	21Alp Sco	1.0200	3000.0	104	20389	No
53	GOM_NL_2PRFIN20060123_122836_000000382044_00295_20389_7811.N1	23-JAN-2006 12:28:36	Twilight	38.000	25	35Lam Sco	1.6200	28000.	76	20389	No
54	GOM_NL_2PRFIN20060123_123009_000000412044_00295_20389_7812.N1	23-JAN-2006 12:30:09	Dark	41.000	40	The Sco	1.8590	7100.0	82	20389	No
55	GOM_NL_2PRFIN20060123_123204_000000362044_00295_20389_7813.N1	23-JAN-2006 12:32:04	Dark	35.500	147	Alp Ara	2.8770	26000.	71	20389	No
56	GOM_NL_2PRFIN20060123_123658_000000372044_00296_20390_7786.N1	23-JAN-2006 12:36:58	Dark	37.000	134	Bet TrA	2.8100	6600.0	74	20390	No
57	GOM_NL_2PRFIN20060123_123819_000000402044_00296_20390_7787.N1	23-JAN-2006 12:38:19	Dark	40.000	4	Alp1Cen	-0.010000	5800.0	80	20390	No
58	GOM_NL_2PRFIN20060123_124252_000000392044_00296_20390_7788.N1	23-JAN-2006 12:42:52	Dark	39.000	12	Alp1Cru	0.77500	30000.	78	20390	No
59	GOM_NL_2PRFIN20060123_124659_000000382044_00296_20390_7789.N1	23-JAN-2006 12:46:59	Dark	37.500	29	Bet Car	1.6720	10200.	75	20390	No
60	GOM_NL_2PRFIN20060123_124908_000000382044_00296_20390_7790.N1	23-JAN-2006 12:49:08	Dark	37.500	71	lot Car	2.2460	7700.0	75	20390	No
61	GOM_NL_2PRFIN20060123_125057_000000402044_00296_20390_7791.N1	23-JAN-2006 12:50:57	Dark	39.500	46	Del Vel	1.9540	10600.	79	20390	No
62	GOM_NL_2PRFIN20060123_125334_000000372044_00296_20390_7792.N1	23-JAN-2006 12:53:34	Dark	37.000	34	Gam2Vel	1.7930	23000.	74	20390	No
63	GOM_NL_2PRFIN20060123_125541_000000412044_00296_20390_7793.N1	23-JAN-2006 12:55:41	Straylight	40.500	70	Zet Pup	2.2460	39000.	81	20390	No
64	GOM_NL_2PRFIN20060123_125712_000000442044_00296_20390_7794.N1	23-JAN-2006 12:57:12	Straylight	43.500	117	Pi Pup	2.7060	3800.0	87	20390	No
65	GOM_NL_2PRFIN20060123_125940_000000432044_00296_20390_7795.N1	23-JAN-2006 12:59:40	Straylight	43.000	23	21Eps CMa	1.5020	26000.	86	20390	No
66	GOM_NL_2PRFIN20060123_130104_000000372044_00296_20390_7796.N1	23-JAN-2006 13:01:04	Straylight	36.500	179	24Omi2CMa	3.0320	24000.	73	20390	No
67	GOM_NL_2PRFIN20060123_130314_000000422044_00296_20390_7797.N1	23-JAN-2006 13:03:14	Straylight	42.000	1	9Alp CMa	-1.4400	11000.	84	20390	No
68	GOM_NL_2PRFIN20060123_131025_000000512044_00296_20390_7798.N1	23-JAN-2006 13:10:25	Bright	50.500	14	58Alp Ori	0.87000	3000.0	101	20390	No
69	GOM_NL_2PRFIN20060123_131235_000000392044_00296_20390_7799.N1	23-JAN-2006 13:12:35	Bright	38.500	44	24Gam Gem	1.9280	11000.	77	20390	No
70	GOM_NL_2PRFIN20060123_131421_000000392044_00296_20390_7800.N1	23-JAN-2006 13:14:21	Bright	39.000	151	13Mu Gem	2.8900	3000.0	78	20390	No
71	GOM_NL_2PRFIN20060123_131636_000000372044_00296_20390_7801.N1	23-JAN-2006 13:16:36	Bright	37.000	28	12Bet Tau	1.6500	15200.	74	20390	No
72	GOM_NL_2PRFIN20060123_131834_000000442044_00296_20390_7802.N1	23-JAN-2006 13:18:34	Bright	44.000	107	37The Aur	2.6490	11000.	88	20390	No
73	GOM_NL_2PRFIN20060123_132043_000000362044_00296_20390_7803.N1	23-JAN-2006 13:20:43	Bright	36.000	42	34Bet Aur	1.9000	10200.	72	20390	No
74	GOM_NL_2PRFIN20060123_133314_000000332044_00296_20390_7804.N1	23-JAN-2006 13:33:14	Bright	33.000	49	1Alp UMi	1.9900	6300.0	66	20390	No
75	GOM_NL_2PRFIN20060123_134412_000000362044_00296_20390_7805.N1	23-JAN-2006 13:44:12	Bright	36.000	130	23Bet Dra	2.7990	5800.0	72	20390	No
76	GOM_NL_2PRFIN20060123_134734_000000352044_00296_20390_7806.N1	23-JAN-2006 13:47:34	Bright	34.500	5	3Alp Lyr	0.033000	11000.	69	20390	No
77	GOM_NL_2PRFIN20060123_135534_000000352044_00296_20390_7807.N1	23-JAN-2006 13:55:34	Bright	35.000	59	55Alp Oph	2.0800	8900.0	70	20390	No
78	GOM_NL_2PRFIN20060123_135740_000000352044_00296_20390_7808.N1	23-JAN-2006 13:57:40	Bright	34.500	126	60Bet Oph	2.7700	4250.0	69	20390	No
79	GOM_NL_2PRFIN20060123_140350_000000372044_00296_20390_7809.N1	23-JAN-2006 14:03:50	Bright	37.000	86	35Eta Oph	2.4300	10200.	74	20390	No
80	GOM_NL_2PRFIN20060123_140747_000000502044_00296_20390_7810.N1	23-JAN-2006 14:07:47	Twilight	50.000	16	21Alp Sco	1.0200	3000.0	100	20390	No
81	GOM_NL_2PRFIN20060123_140912_000000402044_00296_20390_7811.N1	23-JAN-2006 14:09:12	Twilight	40.000	25	35Lam Sco	1.6200	28000.	80	20390	No
82	GOM_NL_2PRFIN20060123_141045_000000442044_00296_20390_7812.N1	23-JAN-2006 14:10:45	Dark	44.000	40	The Sco	1.8590	7100.0	88	20390	No
83	GOM_NL_2PRFIN20060123_141240_000000382044_00296_20390_7813.N1	23-JAN-2006 14:12:40	Dark	37.500	147	Alp Ara	2.8770	26000.	75	20390	No
84	GOM_NL_2PRFIN20060123_141416_000000312044_00296_20390_7814.N1	23-JAN-2006 14:14:16	Dark	31.000	141	Bet Ara	2.8400	4600.0	62	20390	No
85	GOM_NL_2PRFIN20060123_141734_000000382044_00297_20391_7786.N1	23-JAN-2006 14:17:34	Dark	37.500	134	Bet TrA	2.8100	6600.0	75	20391	No
86	GOM_NL_2PRFIN20060123_141856_000000402044_00297_20391_7787.N1	23-JAN-2006 14:18:56	Dark	40.000	4	Alp1Cen	-0.010000	5800.0	80	20391	No
87	GOM_NL_2PRFIN20060123_142328_000000402044_00297_20391_7788.N1	23-JAN-2006 14:23:28	Dark	39.500	12	Alp1Cru	0.77500	30000.	79	20391	No
88	GOM_NL_2PRFIN20060123_142735_000000372044_00297_20391_7789.N1	23-JAN-2006 14:27:35	Dark	37.000	29	Bet Car	1.6720	10200.	74	20391	No
89	GOM_NL_2PRFIN20060123_142945_000000392044_00297_20391_7790.N1	23-JAN-2006 14:29:45	Dark	38.500	71	lot Car	2.2460	7700.0	77	20391	No
90	GOM_NL_2PRFIN20060123_143134_000000382044_00297_20391_7791.N1	23-JAN-2006 14:31:34	Dark	38.000	46	Del Vel	1.9540	10600.	76	20391	No
91	GOM_NL_2PRFIN20060123_143411_000000392044_00297_20391_7792.N1	23-JAN-2006 14:34:11	Dark	38.500	34	Gam2Vel	1.7930	23000.	77	20391	No
92	GOM_NL_2PRFIN20060123_143617_000000392044_00297_20391_7793.N1	23-JAN-2006 14:36:17	Straylight	39.000	70	Zet Pup	2.2460	39000.	78	20391	No
93	GOM_NL_2PRFIN20060123_143748_000000432044_00297_20391_7794.N1	23-JAN-2006 14:37:48	Straylight	42.500	117	Pi Pup	2.7060	3800.0	85	20391	No
94	GOM_NL_2PRFIN20060123_144016_000000392044_00297_20391_7795.N1	23-JAN-2006 14:40:16	Straylight	39.000	23	21Eps CMa	1.5020	26000.	78	20391	No
95	GOM_NL_2PRFIN20060123_144140_000000372044_00297_20391_7796.N1	23-JAN-2006 14:41:40	Straylight	37.000	179	24Omi2CMa	3.0320	24000.	74	20391	No
96	GOM_NL_2PRFIN20060123_144350_000000452044_00297_20391_7797.N1	23-JAN-2006 14:43:50	Straylight	45.000	1	9Alp CMa	-1.4400	11000.	90	20391	No
97	GOM_NL_2PRFIN20060123_145101_000000512044_00297_20391_7798.N1	23-JAN-2006 14:51:01	Bright	50.500	14	58Alp Ori	0.87000	3000.0	101	20391	No
98	GOM_NL_2PRFIN20060123_145311_000000392044_00297_20391_7799.N1	23-JAN-2006 14:53:11	Bright	38.500	44	24Gam Gem	1.9280	11000.	77	20391	No
99	GOM_NL_2PRFIN20060123_145457_000000402044_00297_20391_7800.N1	23-JAN-2006 14:54:57	Bright	39.500	151	13Mu Gem	2.8900	3000.0	79	20391	No
100	GOM_NL_2PRFIN20060123_145713_000000382044_00297_20391_7801.N1	23-JAN-2006 14:57:13	Bright	37.500	28	12Bet Tau	1.6500	15200.	75	20391	No
101	GOM_NL_2PRFIN20060123_145911_000000362044_00297_20391_7802.N1	23-JAN-2006 14:59:11	Bright	35.500	107	37The Aur	2.6490	11000.	71	20391	No

102	GOM_NL__2PRFIN20060123_150119_000000342044_00297_20391_7803.N1	23-JAN-2006 15:01:19	Bright	34.000	42	34Bet Aur	1.9000	10200.	68	20391	No
103	GOM_NL__2PRFIN20060123_151350_000000352044_00297_20391_7804.N1	23-JAN-2006 15:13:50	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	20391	No
104	GOM_NL__2PRFIN20060123_152449_000000362044_00297_20391_7805.N1	23-JAN-2006 15:24:49	Bright	36.000	130	23Bet Dra	2.7990	5800.0	72	20391	No
105	GOM_NL__2PRFIN20060123_152810_000000342044_00297_20391_7806.N1	23-JAN-2006 15:28:10	Bright	33.500	5	3Alp Lyr	0.033000	11000.	67	20391	No
106	GOM_NL__2PRFIN20060123_153610_000000352044_00297_20391_7807.N1	23-JAN-2006 15:36:10	Bright	35.000	59	55Alp Oph	2.0800	8900.0	70	20391	No
107	GOM_NL__2PRFIN20060123_153817_000000352044_00297_20391_7808.N1	23-JAN-2006 15:38:17	Bright	34.500	126	60Bet Oph	2.7700	4250.0	69	20391	No
108	GOM_NL__2PRFIN20060123_154427_000000402044_00297_20391_7809.N1	23-JAN-2006 15:44:27	Bright	40.000	86	35Eta Oph	2.4300	10200.	80	20391	No
109	GOM_NL__2PRFIN20060123_154824_000000482044_00297_20391_7810.N1	23-JAN-2006 15:48:24	Twilight	48.000	16	21Alp Sco	1.0200	3000.0	96	20391	No
110	GOM_NL__2PRFIN20060123_154948_000000422044_00297_20391_7811.N1	23-JAN-2006 15:49:48	Twilight	41.500	25	35Lam Sco	1.6200	28000.	83	20391	No
111	GOM_NL__2PRFIN20060123_155121_000000402044_00297_20391_7812.N1	23-JAN-2006 15:51:21	Dark	40.000	40	The Sco	1.8590	7100.0	80	20391	No
112	GOM_NL__2PRFIN20060123_155317_000000372044_00297_20391_7813.N1	23-JAN-2006 15:53:17	Dark	36.500	147	Alp Ara	2.8770	26000.	73	20391	No
113	GOM_NL__2PRFIN20060123_155452_000000312044_00297_20391_7814.N1	23-JAN-2006 15:54:52	Dark	31.000	141	Bet Ara	2.8400	4600.0	62	20391	No
114	GOM_NL__2PRFIN20060123_155810_000000392044_00298_20392_7806.N1	23-JAN-2006 15:58:10	Dark	38.500	134	Bet TrA	2.8100	6600.0	77	20392	No
115	GOM_NL__2PRFIN20060123_155932_000000412044_00298_20392_7807.N1	23-JAN-2006 15:59:32	Dark	41.000	4	Alp1Cen	-0.010000	5800.0	82	20392	No
116	GOM_NL__2PRFIN20060123_160405_000000402044_00298_20392_7808.N1	23-JAN-2006 16:04:05	Dark	39.500	12	Alp1Cru	0.77500	30000.	79	20392	No
117	GOM_NL__2PRFIN20060123_160811_000000382044_00298_20392_7809.N1	23-JAN-2006 16:08:11	Dark	37.500	29	Bet Car	1.6720	10200.	75	20392	No
118	GOM_NL__2PRFIN20060123_161021_000000372044_00298_20392_7810.N1	23-JAN-2006 16:10:21	Dark	37.000	71	lot Car	2.2460	7700.0	74	20392	No
119	GOM_NL__2PRFIN20060123_161210_000000412044_00298_20392_7811.N1	23-JAN-2006 16:12:10	Dark	41.000	46	Del Vel	1.9540	10600.	82	20392	No
120	GOM_NL__2PRFIN20060123_161447_000000412044_00298_20392_7812.N1	23-JAN-2006 16:14:47	Dark	41.000	34	Gam2Vel	1.7930	23000.	82	20392	No
121	GOM_NL__2PRFIN20060123_161654_000000432044_00298_20392_7813.N1	23-JAN-2006 16:16:54	Straylight	42.500	70	Zet Pup	2.2460	39000.	85	20392	No
122	GOM_NL__2PRFIN20060123_161824_000000412044_00298_20392_7814.N1	23-JAN-2006 16:18:24	Straylight	41.000	117	Pi Pup	2.7060	3800.0	82	20392	No
123	GOM_NL__2PRFIN20060123_162053_000000442044_00298_20392_7815.N1	23-JAN-2006 16:20:53	Straylight	44.000	23	21Eps CMa	1.5020	26000.	88	20392	No
124	GOM_NL__2PRFIN20060123_162216_000000382044_00298_20392_7816.N1	23-JAN-2006 16:22:16	Straylight	38.000	179	24Omi2CMa	3.0320	24000.	76	20392	No
125	GOM_NL__2PRFIN20060123_162426_000000492044_00298_20392_7817.N1	23-JAN-2006 16:24:26	Straylight	48.500	1	9Alp CMa	-1.4400	11000.	97	20392	No
126	GOM_NL__2PRFIN20060123_163137_000000522044_00298_20392_7818.N1	23-JAN-2006 16:31:37	Bright	52.000	14	58Alp Ori	0.87000	3000.0	104	20392	No
127	GOM_NL__2PRFIN20060123_163347_000000392044_00298_20392_7819.N1	23-JAN-2006 16:33:47	Bright	39.000	44	24Gam Gem	1.9280	11000.	78	20392	No
128	GOM_NL__2PRFIN20060123_163533_000000402044_00298_20392_7820.N1	23-JAN-2006 16:35:33	Bright	40.000	151	13Mu Gem	2.8900	3000.0	80	20392	No
129	GOM_NL__2PRFIN20060123_163749_000000362044_00298_20392_7821.N1	23-JAN-2006 16:37:49	Bright	36.000	28	12Bet Tau	1.6500	15200.	72	20392	No
130	GOM_NL__2PRFIN20060123_163946_000000352044_00298_20392_7822.N1	23-JAN-2006 16:39:46	Bright	34.500	107	37The Aur	2.6490	11000.	69	20392	No
131	GOM_NL__2PRFIN20060123_164155_000000372044_00298_20392_7823.N1	23-JAN-2006 16:41:55	Bright	36.500	42	34Bet Aur	1.9000	10200.	73	20392	No
132	GOM_NL__2PRFIN20060123_165426_000000362044_00298_20392_7824.N1	23-JAN-2006 16:54:26	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	20392	No
133	GOM_NL__2PRFIN20060123_170525_000000362044_00298_20392_7825.N1	23-JAN-2006 17:05:25	Bright	36.000	130	23Bet Dra	2.7990	5800.0	72	20392	No
134	GOM_NL__2PRFIN20060123_170846_000000362044_00298_20392_7826.N1	23-JAN-2006 17:08:46	Bright	35.500	5	3Alp Lyr	0.033000	11000.	71	20392	No
135	GOM_NL__2PRFIN20060123_171646_000000352044_00298_20392_7827.N1	23-JAN-2006 17:16:46	Bright	34.500	59	55Alp Oph	2.0800	8900.0	69	20392	No
136	GOM_NL__2PRFIN20060123_171853_000000352044_00298_20392_7828.N1	23-JAN-2006 17:18:53	Bright	34.500	126	60Bet Oph	2.7700	4250.0	69	20392	No
137	GOM_NL__2PRFIN20060123_172503_000000412044_00298_20392_7829.N1	23-JAN-2006 17:25:03	Bright	41.000	86	35Eta Oph	2.4300	10200.	82	20392	No
138	GOM_NL__2PRFIN20060123_172900_000000492044_00298_20392_7830.N1	23-JAN-2006 17:29:00	Twilight	49.000	16	21Alp Sco	1.0200	3000.0	98	20392	No
139	GOM_NL__2PRFIN20060123_173024_000000412044_00298_20392_7831.N1	23-JAN-2006 17:30:24	Twilight	40.500	25	35Lam Sco	1.6200	28000.	81	20392	No
140	GOM_NL__2PRFIN20060123_173157_000000412044_00298_20392_7832.N1	23-JAN-2006 17:31:57	Dark	40.500	40	The Sco	1.8590	7100.0	81	20392	No
141	GOM_NL__2PRFIN20060123_173353_000000352044_00298_20392_7833.N1	23-JAN-2006 17:33:53	Dark	35.000	147	Alp Ara	2.8770	26000.	70	20392	No
142	GOM_NL__2PRFIN20060123_173528_000000422044_00298_20392_7834.N1	23-JAN-2006 17:35:28	Dark	42.000	141	Bet Ara	2.8400	4600.0	84	20392	No
143	GOM_NL__2PRFIN20060123_173846_000000372044_00299_20393_7806.N1	23-JAN-2006 17:38:46	Dark	36.500	134	Bet TrA	2.8100	6600.0	73	20393	No
144	GOM_NL__2PRFIN20060123_174009_000000552044_00299_20393_7807.N1	23-JAN-2006 17:40:09	Dark	54.500	4	Alp1Cen	-0.010000	5800.0	109	20393	No
145	GOM_NL__2PRFIN20060123_174441_000000422044_00299_20393_7808.N1	23-JAN-2006 17:44:41	Dark	41.500	12	Alp1Cru	0.77500	30000.	83	20393	No
146	GOM_NL__2PRFIN20060123_174848_000000472044_00299_20393_7809.N1	23-JAN-2006 17:48:48	Dark	47.000	29	Bet Car	1.6720	10200.	94	20393	No
147	GOM_NL__2PRFIN20060123_175057_000000372044_00299_20393_7810.N1	23-JAN-2006 17:50:57	Dark	37.000	71	lot Car	2.2460	7700.0	74	20393	No
148	GOM_NL__2PRFIN20060123_175246_000000382044_00299_20393_7811.N1	23-JAN-2006 17:52:46	Dark	37.500	46	Del Vel	1.9540	10600.	75	20393	No
149	GOM_NL__2PRFIN20060123_175523_000000392044_00299_20393_7812.N1	23-JAN-2006 17:55:23	Dark	38.500	34	Gam2Vel	1.7930	23000.	77	20393	No
150	GOM_NL__2PRFIN20060123_175730_000000412044_00299_20393_7813.N1	23-JAN-2006 17:57:30	Straylight	40.500	70	Zet Pup	2.2460	39000.	81	20393	No
151	GOM_NL__2PRFIN20060123_175900_000000422044_00299_20393_7814.N1	23-JAN-2006 17:59:00	Straylight	42.000	117	Pi Pup	2.7060	3800.0	84	20393	No
152	GOM_NL__2PRFIN20060123_180129_000000432044_00299_20393_7815.N1	23-JAN-2006 18:01:29	Straylight	42.500	23	21Eps CMa	1.5020	26000.	85	20393	No
153	GOM_NL__2PRFIN20060123_180252_000000362044_00299_20393_7816.N1	23-JAN-2006 18:02:52	Straylight	36.000	179	24Omi2CMa	3.0320	24000.	72	20393	No
154	GOM_NL__2PRFIN20060123_180502_000000482044_00299_20393_7817.N1	23-JAN-2006 18:05:02	Straylight	47.500	1	9Alp CMa	-1.4400	11000.	95	20393	No
155	GOM_NL__2PRFIN20060123_181213_000000482044_00299_20393_7818.N1	23-JAN-2006 18:12:13	Bright	48.000	14	58Alp Ori	0.87000	3000.0	96	20393	No
156	GOM_NL__2PRFIN20060123_181423_000000392044_00299_20393_7819.N1	23-JAN-2006 18:14:23	Bright	38.500	44	24Gam Gem	1.9280	11000.	77	20393	No
157	GOM_NL__2PRFIN20060123_181610_000000402044_00299_20393_7820.N1	23-JAN-2006 18:16:10	Bright	40.000	151	13Mu Gem	2.8900	3000.0	80	20393	No
158	GOM_NL__2PRFIN20060123_181825_000000372044_00299_20393_7821.N1	23-JAN-2006 18:18:25	Bright	37.000	28	12Bet Tau	1.6500	15200.	74	20393	No
159	GOM_NL__2PRFIN20060123_182023_000000352044_00299_20393_7822.N1	23-JAN-2006 18:20:23	Bright	35.000	107	37The Aur	2.6490	11000.	70	20393	No
160	GOM_NL__2PRFIN20060123_182231_000000362044_00299_20393_7823.N1	23-JAN-2006 18:22:31	Bright	35.500	42	34Bet Aur	1.9000	10200.	71	20393	No

161	GOM_NL__2PRFIN20060123_183502_000000362044_00299_20393_7824.N1	23-JAN-2006 18:35:02	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	20393	No
162	GOM_NL__2PRFIN20060123_184601_000000362044_00299_20393_7825.N1	23-JAN-2006 18:46:01	Bright	36.000	130	23Bet Dra	2.7990	5800.0	72	20393	No
163	GOM_NL__2PRFIN20060123_184922_000000362044_00299_20393_7826.N1	23-JAN-2006 18:49:22	Bright	35.500	5	3Alp Lyr	0.033000	11000.	71	20393	No
164	GOM_NL__2PRFIN20060123_185723_000000452044_00299_20393_7827.N1	23-JAN-2006 18:57:23	Bright	44.500	59	55Alp Oph	2.0800	8900.0	89	20393	No
165	GOM_NL__2PRFIN20060123_185929_000000352044_00299_20393_7828.N1	23-JAN-2006 18:59:29	Bright	34.500	126	60Bet Oph	2.7700	4250.0	69	20393	No
166	GOM_NL__2PRFIN20060123_190540_000000402044_00299_20393_7829.N1	23-JAN-2006 19:05:40	Bright	40.000	86	35Eta Oph	2.4300	10200.	80	20393	No
167	GOM_NL__2PRFIN20060123_191429_000000362044_00299_20393_7830.N1	23-JAN-2006 19:14:29	Dark	36.000	147	Alp Ara	2.8770	26000.	72	20393	No
168	GOM_NL__2PRFIN20060123_191604_000000382044_00299_20393_7831.N1	23-JAN-2006 19:16:04	Dark	38.000	141	Bet Ara	2.8400	4600.0	76	20393	No
169	GOM_NL__2PRFIN20060123_191923_000000362044_00300_20394_7806.N1	23-JAN-2006 19:19:23	Dark	36.000	134	Bet TrA	2.8100	6600.0	72	20394	No
170	GOM_NL__2PRFIN20060123_192045_000000432044_00300_20394_7807.N1	23-JAN-2006 19:20:45	Dark	42.500	4	Alp1Cen	-0.010000	5800.0	85	20394	No
171	GOM_NL__2PRFIN20060123_193323_000000432044_00300_20394_7808.N1	23-JAN-2006 19:33:23	Dark	42.500	46	Del Vel	1.9540	10600.	85	20394	No
172	GOM_NL__2PRFIN20060123_193600_000000402044_00300_20394_7809.N1	23-JAN-2006 19:36:00	Dark	40.000	34	Gam2Vel	1.7930	23000.	80	20394	No
173	GOM_NL__2PRFIN20060123_194205_000000422044_00300_20394_7810.N1	23-JAN-2006 19:42:05	Straylight	42.000	23	21Eps CMa	1.5020	26000.	84	20394	No
174	GOM_NL__2PRFIN20060123_194328_000000392044_00300_20394_7811.N1	23-JAN-2006 19:43:28	Straylight	38.500	179	24Omi2CMa	3.0320	24000.	77	20394	No
175	GOM_NL__2PRFIN20060123_194538_000000462044_00300_20394_7812.N1	23-JAN-2006 19:45:38	Straylight	45.500	1	9Alp CMa	-1.4400	11000.	91	20394	No
176	GOM_NL__2PRFIN20060123_195249_000000512044_00300_20394_7813.N1	23-JAN-2006 19:52:49	Bright	51.000	14	58Alp Ori	0.87000	3000.0	102	20394	No
177	GOM_NL__2PRFIN20060123_195459_000000392044_00300_20394_7814.N1	23-JAN-2006 19:54:59	Bright	38.500	44	24Gam Gem	1.9280	11000.	77	20394	No
178	GOM_NL__2PRFIN20060123_195646_000000392044_00300_20394_7815.N1	23-JAN-2006 19:56:46	Bright	39.000	151	13Mu Gem	2.8900	3000.0	78	20394	No
179	GOM_NL__2PRFIN20060123_195901_000000362044_00300_20394_7816.N1	23-JAN-2006 19:59:01	Bright	36.000	28	12Bet Tau	1.6500	15200.	72	20394	No
180	GOM_NL__2PRFIN20060123_200059_000000362044_00300_20394_7817.N1	23-JAN-2006 20:00:59	Bright	36.000	107	37The Aur	2.6490	11000.	72	20394	No
181	GOM_NL__2PRFIN20060123_200307_000000522044_00300_20394_7818.N1	23-JAN-2006 20:03:07	Bright	52.000	42	34Bet Aur	1.9000	10200.	104	20394	No
182	GOM_NL__2PRFIN20060123_201538_000000372044_00300_20394_7819.N1	23-JAN-2006 20:15:38	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	20394	No
183	GOM_NL__2PRFIN20060123_203759_000000362044_00300_20394_7820.N1	23-JAN-2006 20:37:59	Bright	35.500	59	55Alp Oph	2.0800	8900.0	71	20394	No
184	GOM_NL__2PRFIN20060123_204005_000000342044_00300_20394_7821.N1	23-JAN-2006 20:40:05	Bright	33.500	126	60Bet Oph	2.7700	4250.0	67	20394	No
185	GOM_NL__2PRFIN20060123_204616_000000422044_00300_20394_7822.N1	23-JAN-2006 20:46:16	Bright	42.000	86	35Eta Oph	2.4300	10200.	84	20394	No
186	GOM_NL__2PRFIN20060123_205013_000000502044_00300_20394_7823.N1	23-JAN-2006 20:50:13	Twilight	49.500	16	21Alp Sco	1.0200	3000.0	99	20394	No
187	GOM_NL__2PRFIN20060123_205137_000000422044_00300_20394_7824.N1	23-JAN-2006 20:51:37	Twilight	41.500	25	35Lam Sco	1.6200	28000.	83	20394	No
188	GOM_NL__2PRFIN20060123_205310_000000412044_00300_20394_7825.N1	23-JAN-2006 20:53:10	Dark	40.500	40	The Sco	1.8590	7100.0	81	20394	No
189	GOM_NL__2PRFIN20060123_205505_000000382044_00300_20394_7826.N1	23-JAN-2006 20:55:05	Dark	37.500	147	Alp Ara	2.8770	26000.	75	20394	No
190	GOM_NL__2PRFIN20060123_205640_000000372044_00300_20394_7827.N1	23-JAN-2006 20:56:40	Dark	37.000	141	Bet Ara	2.8400	4600.0	74	20394	No
191	GOM_NL__2PRFIN20060123_205959_000000372044_00301_20395_7806.N1	23-JAN-2006 20:59:59	Dark	37.000	134	Bet TrA	2.8100	6600.0	74	20395	No
192	GOM_NL__2PRFIN20060123_210122_000000422044_00301_20395_7807.N1	23-JAN-2006 21:01:22	Dark	41.500	4	Alp1Cen	-0.010000	5800.0	83	20395	No
193	GOM_NL__2PRFIN20060123_210554_000000432044_00301_20395_7808.N1	23-JAN-2006 21:05:54	Dark	42.500	12	Alp1Cru	0.77500	30000.	85	20395	No
194	GOM_NL__2PRFIN20060123_211000_000000402044_00301_20395_7809.N1	23-JAN-2006 21:10:00	Dark	40.000	29	Bet Car	1.6720	10200.	80	20395	No
195	GOM_NL__2PRFIN20060123_211210_000000432044_00301_20395_7810.N1	23-JAN-2006 21:12:10	Dark	42.500	71	lot Car	2.2460	7700.0	85	20395	No
196	GOM_NL__2PRFIN20060123_211359_000000432044_00301_20395_7811.N1	23-JAN-2006 21:13:59	Dark	42.500	46	Del Vel	1.9540	10600.	85	20395	No
197	GOM_NL__2PRFIN20060123_211636_000000382044_00301_20395_7812.N1	23-JAN-2006 21:16:36	Dark	38.000	34	Gam2Vel	1.7930	23000.	76	20395	No
198	GOM_NL__2PRFIN20060123_211842_000000402044_00301_20395_7813.N1	23-JAN-2006 21:18:42	Straylight	40.000	70	Zet Pup	2.2460	39000.	80	20395	No
199	GOM_NL__2PRFIN20060123_212013_000000412044_00301_20395_7814.N1	23-JAN-2006 21:20:13	Straylight	41.000	117	Pi Pup	2.7060	3800.0	82	20395	No
200	GOM_NL__2PRFIN20060123_212241_000000412044_00301_20395_7815.N1	23-JAN-2006 21:22:41	Straylight	40.500	23	21Eps CMa	1.5020	26000.	81	20395	No
201	GOM_NL__2PRFIN20060123_212404_000000382044_00301_20395_7816.N1	23-JAN-2006 21:24:04	Straylight	38.000	179	24Omi2CMa	3.0320	24000.	76	20395	No
202	GOM_NL__2PRFIN20060123_212614_000000472044_00301_20395_7817.N1	23-JAN-2006 21:26:14	Straylight	46.500	1	9Alp CMa	-1.4400	11000.	93	20395	No
203	GOM_NL__2PRFIN20060123_213326_000000512044_00301_20395_7818.N1	23-JAN-2006 21:33:26	Bright	50.500	14	58Alp Ori	0.87000	3000.0	101	20395	No
204	GOM_NL__2PRFIN20060123_213535_000000382044_00301_20395_7819.N1	23-JAN-2006 21:35:35	Bright	37.500	44	24Gam Gem	1.9280	11000.	75	20395	No
205	GOM_NL__2PRFIN20060123_213722_000000382044_00301_20395_7820.N1	23-JAN-2006 21:37:22	Bright	38.000	151	13Mu Gem	2.8900	3000.0	76	20395	No
206	GOM_NL__2PRFIN20060123_213938_000000382044_00301_20395_7821.N1	23-JAN-2006 21:39:38	Bright	37.500	28	12Bet Tau	1.6500	15200.	75	20395	No
207	GOM_NL__2PRFIN20060123_214135_000000352044_00301_20395_7822.N1	23-JAN-2006 21:41:35	Bright	35.000	107	37The Aur	2.6490	11000.	70	20395	No
208	GOM_NL__2PRFIN20060123_214343_000000342044_00301_20395_7823.N1	23-JAN-2006 21:43:43	Bright	34.000	42	34Bet Aur	1.9000	10200.	68	20395	No
209	GOM_NL__2PRFIN20060123_215614_000000362044_00301_20395_7824.N1	23-JAN-2006 21:56:14	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	20395	No
210	GOM_NL__2PRFIN20060123_220713_000000372044_00301_20395_7825.N1	23-JAN-2006 22:07:13	Bright	36.500	130	23Bet Dra	2.7990	5800.0	73	20395	No
211	GOM_NL__2PRFIN20060123_221035_000000332044_00301_20395_7826.N1	23-JAN-2006 22:10:35	Bright	33.000	5	3Alp Lyr	0.033000	11000.	66	20395	No
212	GOM_NL__2PRFIN20060123_221835_000000342044_00301_20395_7827.N1	23-JAN-2006 22:18:35	Bright	34.000	59	55Alp Oph	2.0800	8900.0	68	20395	No
213	GOM_NL__2PRFIN20060123_222041_000000342044_00301_20395_7828.N1	23-JAN-2006 22:20:41	Bright	34.000	126	60Bet Oph	2.7700	4250.0	68	20395	No
214	GOM_NL__2PRFIN20060123_222652_000000412044_00301_20395_7829.N1	23-JAN-2006 22:26:52	Bright	40.500	86	35Eta Oph	2.4300	10200.	81	20395	No
215	GOM_NL__2PRFIN20060123_223050_000000542044_00301_20395_7830.N1	23-JAN-2006 22:30:50	Twilight	53.500	16	21Alp Sco	1.0200	3000.0	107	20395	No
216	GOM_NL__2PRFIN20060123_223346_000000432044_00301_20395_7831.N1	23-JAN-2006 22:33:46	Dark	43.000	40	The Sco	1.8590	7100.0	86	20395	No
217	GOM_NL__2PRFIN20060123_223541_000000372044_00301_20395_7832.N1	23-JAN-2006 22:35:41	Dark	37.000	147	Alp Ara	2.8770	26000.	74	20395	No
218	GOM_NL__2PRFIN20060123_223716_000000422044_00301_20395_7833.N1	23-JAN-2006 22:37:16	Dark	42.000	141	Bet Ara	2.8400	4600.0	84	20395	No
219	GOM_NL__2PRFIN20060123_224035_000000382044_00302_20396_7806.N1	23-JAN-2006 22:40:35	Dark	37.500	134	Bet TrA	2.8100	6600.0	75	20396	No

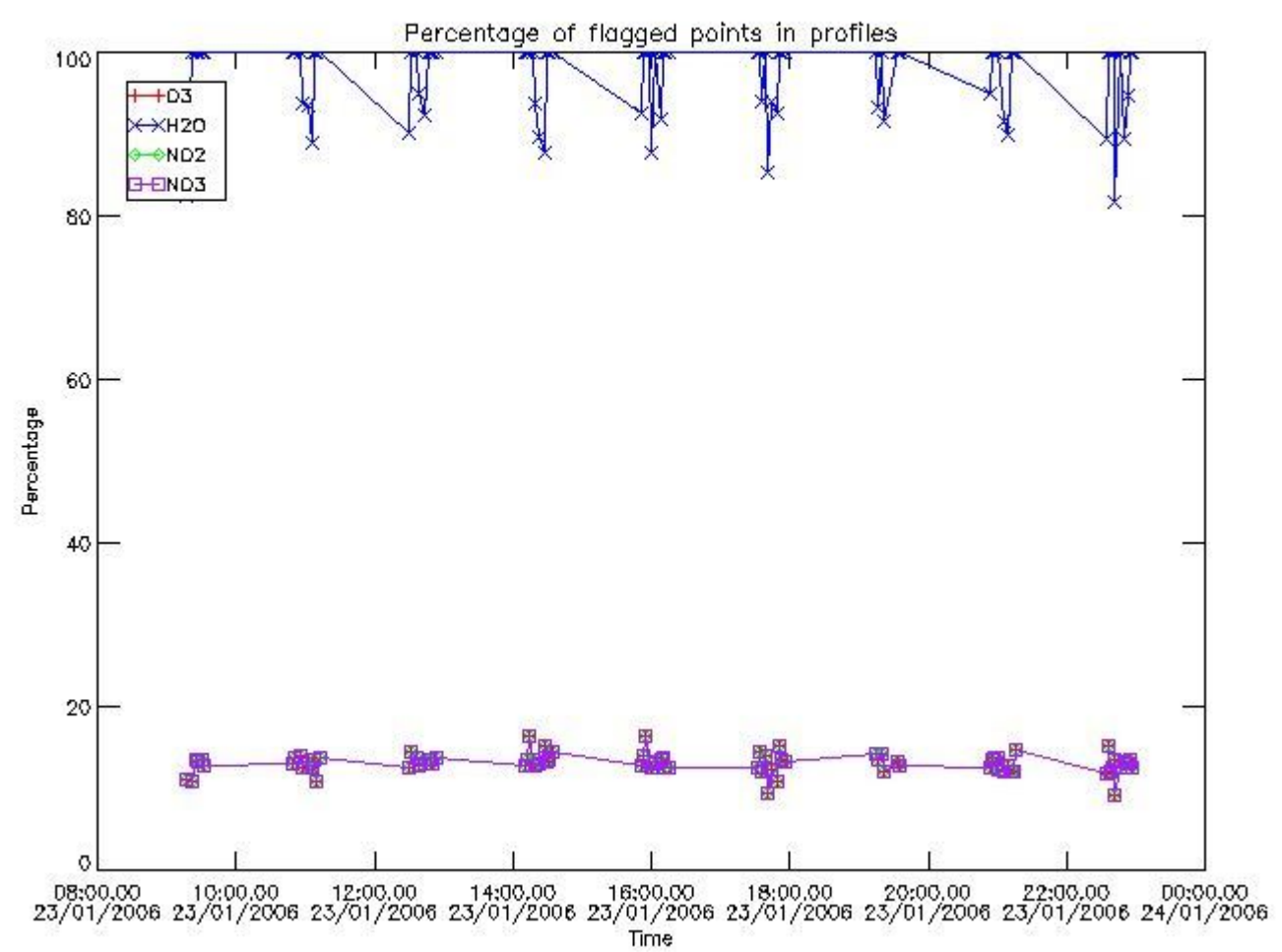


220	GOM_NL__2PRFIN20060123_224158_000000552044_00302_20396_7807.N1	23-JAN-2006 22:41:58	Dark	55.000	4	Alp1Cen	-0.010000	5800.0	110	20396	No
221	GOM_NL__2PRFIN20060123_224631_000000412044_00302_20396_7808.N1	23-JAN-2006 22:46:31	Dark	40.500	12	Alp1Cru	0.77500	30000.	81	20396	No
222	GOM_NL__2PRFIN20060123_225036_000000392044_00302_20396_7809.N1	23-JAN-2006 22:50:36	Dark	38.500	29	Bet Car	1.6720	10200.	77	20396	No
223	GOM_NL__2PRFIN20060123_225246_000000392044_00302_20396_7810.N1	23-JAN-2006 22:52:46	Dark	39.000	71	lot Car	2.2460	7700.0	78	20396	No
224	GOM_NL__2PRFIN20060123_225435_000000382044_00302_20396_7811.N1	23-JAN-2006 22:54:35	Dark	37.500	46	Del Vel	1.9540	10600.	75	20396	No
225	GOM_NL__2PRFIN20060123_225712_000000412044_00302_20396_7812.N1	23-JAN-2006 22:57:12	Dark	41.000	34	Gam2Vel	1.7930	23000.	82	20396	No
226	GOM_NL__2PRFIN20060123_225919_000000412044_00302_20396_7813.N1	23-JAN-2006 22:59:19	Straylight	40.500	70	Zet Pup	2.2460	39000.	81	20396	No
227	GOM_NL__2PRFIN20060123_230049_000000382044_00302_20396_7814.N1	23-JAN-2006 23:00:49	Straylight	38.000	117	Pi Pup	2.7060	3800.0	76	20396	No
228	GOM_NL__2PRFIN20060123_230317_000000382044_00302_20396_7815.N1	23-JAN-2006 23:03:17	Straylight	38.000	23	21Eps CMa	1.5020	26000.	76	20396	No
229	GOM_NL__2PRFIN20060123_230440_000000382044_00302_20396_7816.N1	23-JAN-2006 23:04:40	Straylight	38.000	179	24Omi2CMa	3.0320	24000.	76	20396	No
230	GOM_NL__2PRFIN20060123_230650_000000452044_00302_20396_7817.N1	23-JAN-2006 23:06:50	Straylight	44.500	1	9Alp CMa	-1.4400	11000.	89	20396	No
231	GOM_NL__2PRFIN20060123_231402_000000482044_00302_20396_7818.N1	23-JAN-2006 23:14:02	Bright	48.000	14	58Alp Ori	0.87000	3000.0	96	20396	No
232	GOM_NL__2PRFIN20060123_231611_000000392044_00302_20396_7819.N1	23-JAN-2006 23:16:11	Bright	38.500	44	24Gam Gem	1.9280	11000.	77	20396	No
233	GOM_NL__2PRFIN20060123_231758_000000382044_00302_20396_7820.N1	23-JAN-2006 23:17:58	Bright	37.500	151	13Mu Gem	2.8900	3000.0	75	20396	No
234	GOM_NL__2PRFIN20060123_232014_000000372044_00302_20396_7821.N1	23-JAN-2006 23:20:14	Bright	37.000	28	12Bet Tau	1.6500	15200.	74	20396	No
235	GOM_NL__2PRFIN20060123_232211_000000352044_00302_20396_7822.N1	23-JAN-2006 23:22:11	Bright	35.000	107	37The Aur	2.6490	11000.	70	20396	No
236	GOM_NL__2PRFIN20060123_232419_000000362044_00302_20396_7823.N1	23-JAN-2006 23:24:19	Bright	35.500	42	34Bet Aur	1.9000	10200.	71	20396	No
237	GOM_NL__2PRFIN20060123_233650_000000322044_00302_20396_7824.N1	23-JAN-2006 23:36:50	Bright	32.000	49	1Alp UMi	1.9900	6300.0	64	20396	No
238	GOM_NL__2PRFIN20060123_234749_000000382044_00302_20396_7825.N1	23-JAN-2006 23:47:49	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	20396	No
239	GOM_NL__2PRFIN20060123_235111_000000372044_00302_20396_7826.N1	23-JAN-2006 23:51:11	Bright	36.500	5	3Alp Lyr	0.033000	11000.	73	20396	No
240	GOM_NL__2PRFIN20060123_235911_000000342044_00302_20396_7827.N1	23-JAN-2006 23:59:11	Bright	34.000	59	55Alp Oph	2.0800	8900.0	68	20396	No

### *3. Quality information per product*

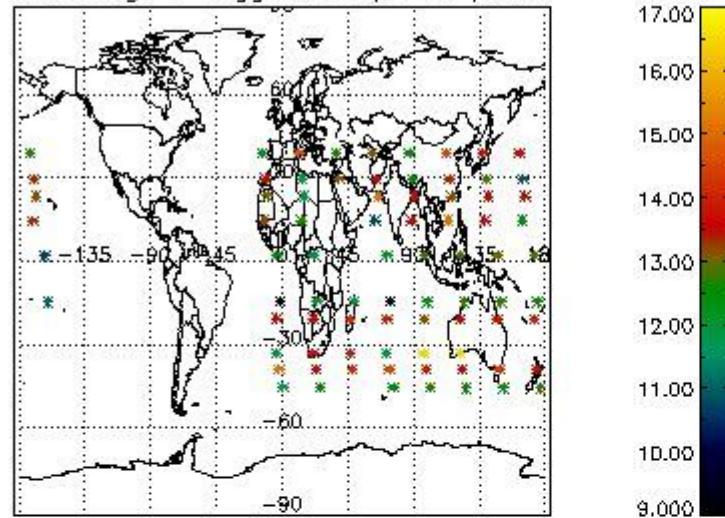
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

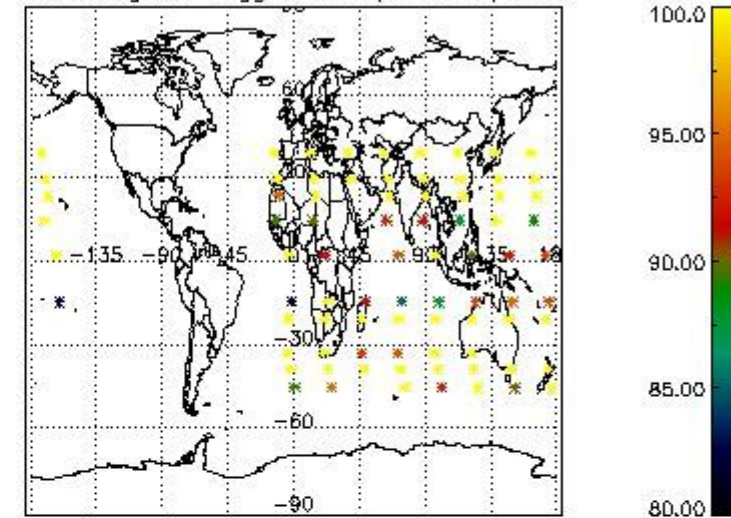


3.2 Plot quality information per product (world map)

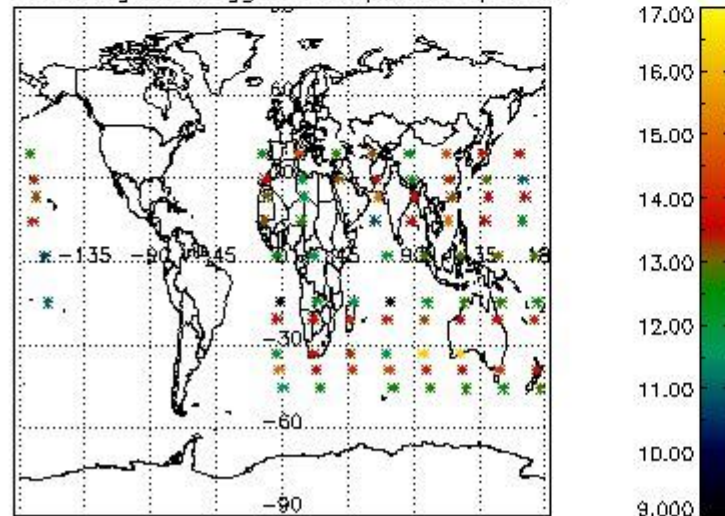
Percentage of flagged data per O3 profile



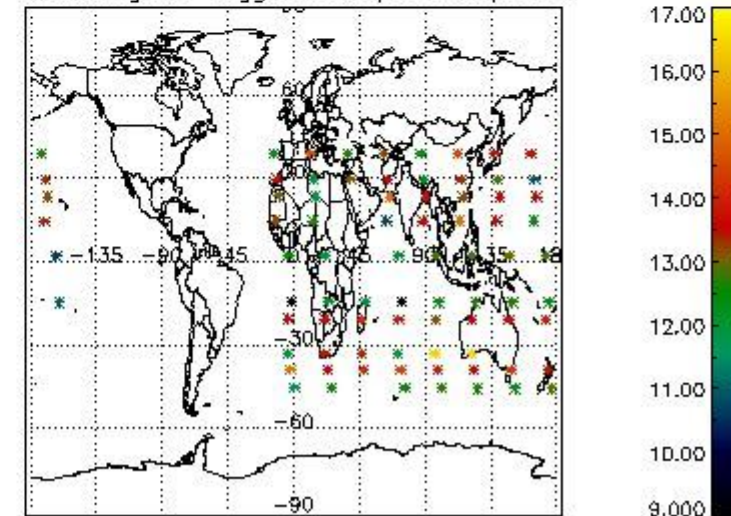
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

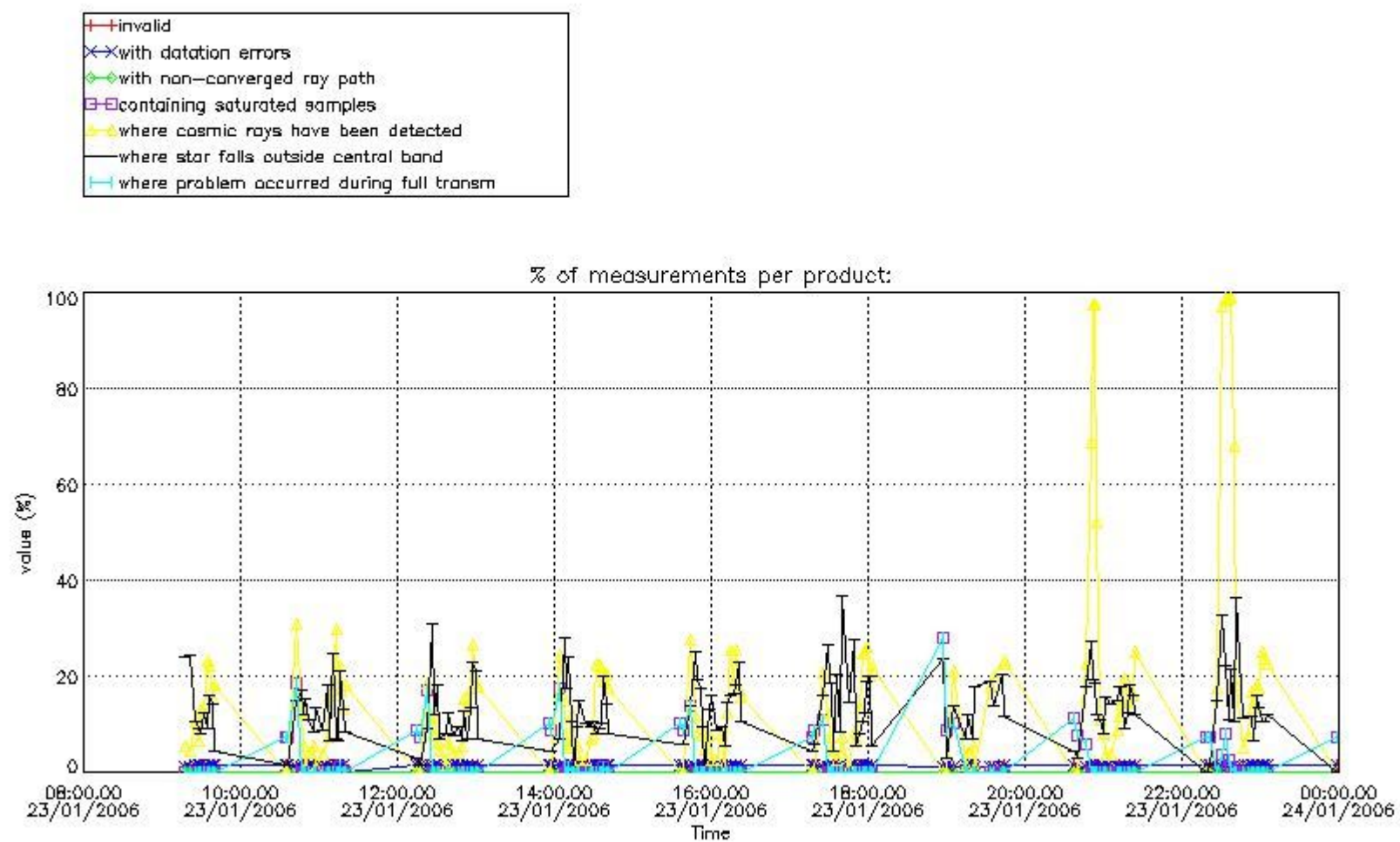


#### 4. Level 1 quality information per product

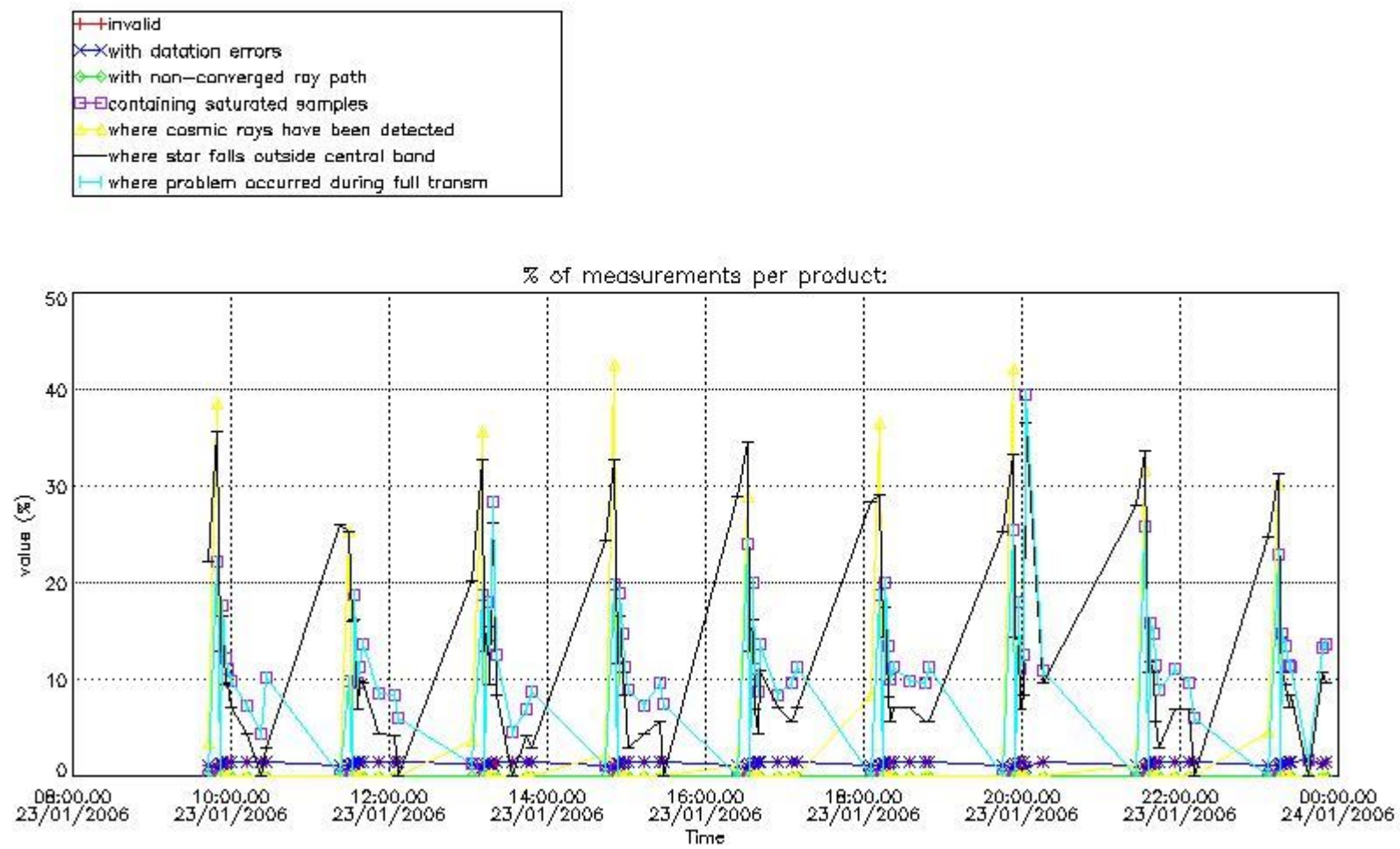
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

##### 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

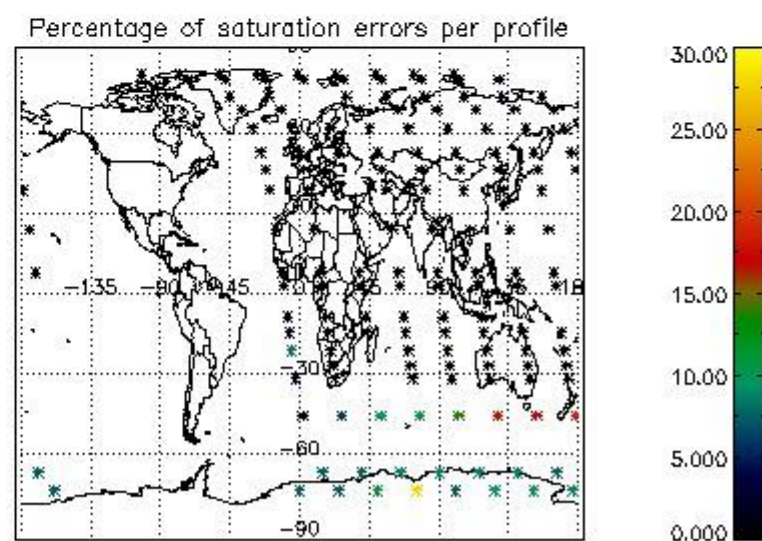
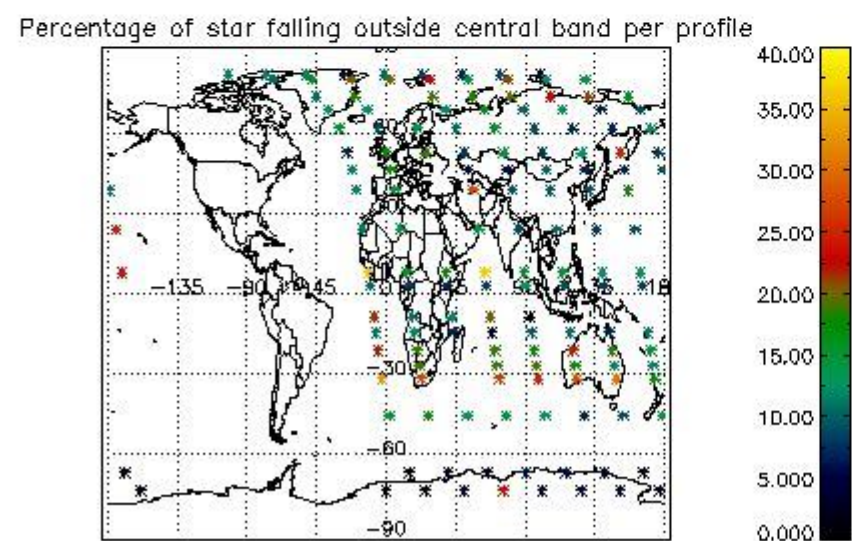
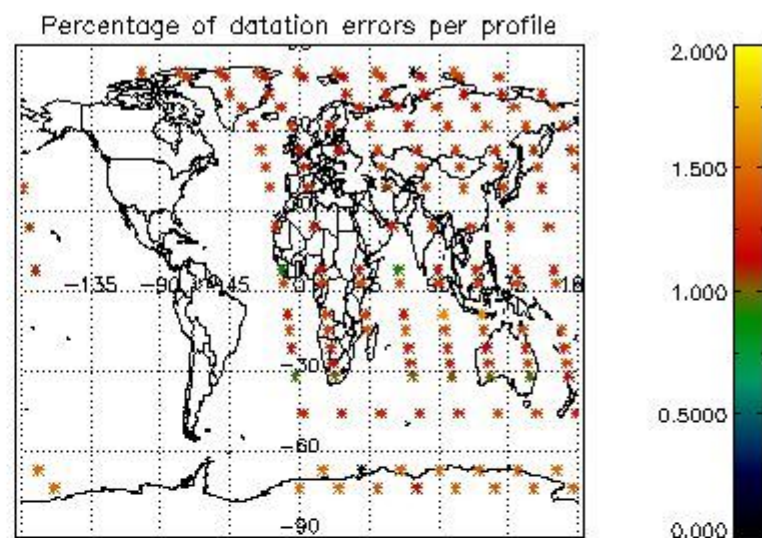
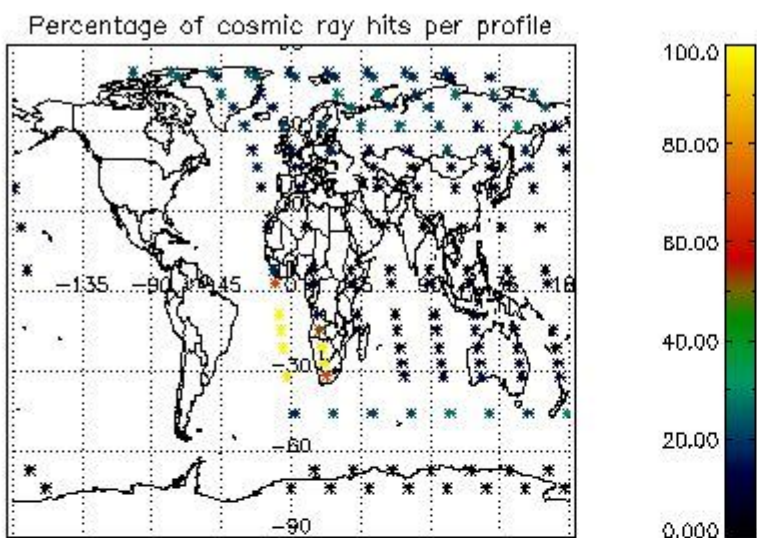


4.1.2 Plot level 1 quality information per product (time dependant): ENVISAT DESCENDING passes



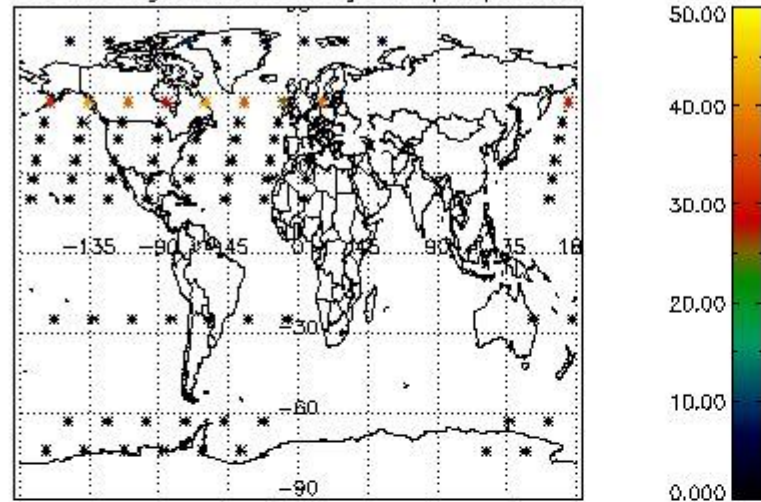
#### 4.2 Plot quality information per product coming from level 1b processing (world map)

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

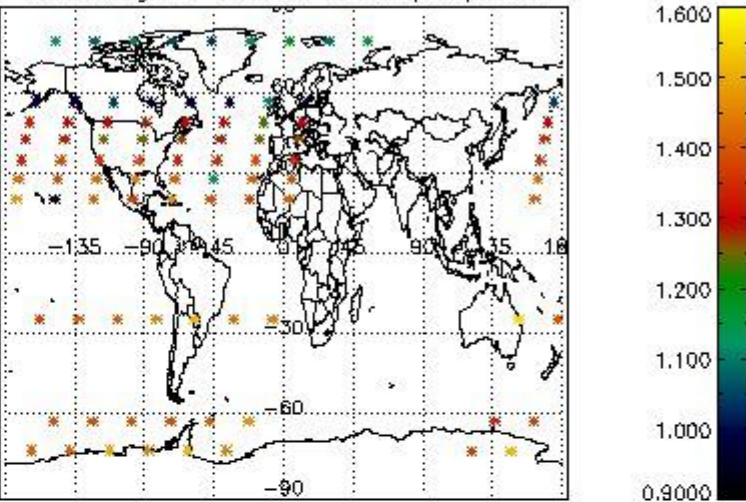


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

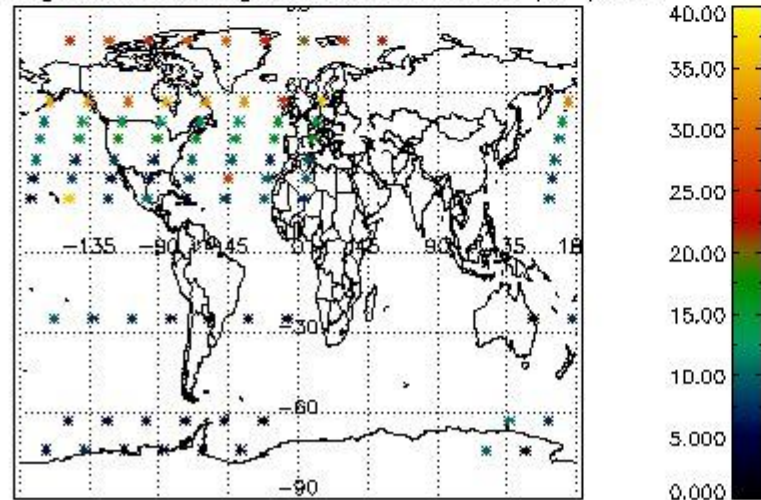
Percentage of cosmic ray hits per profile



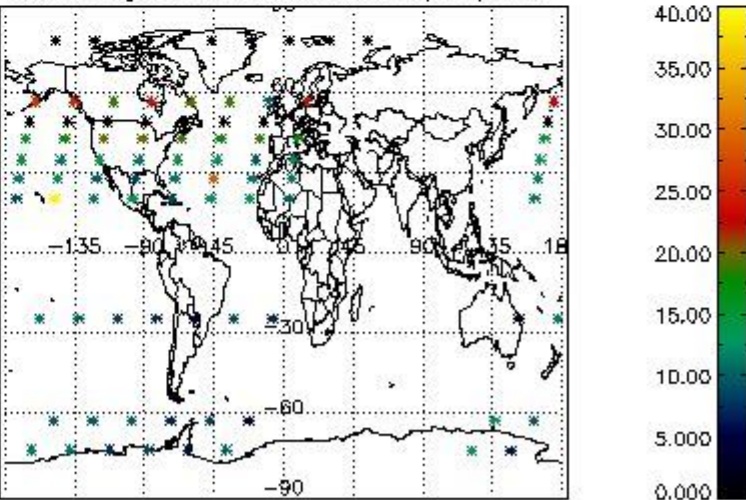
Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



## 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

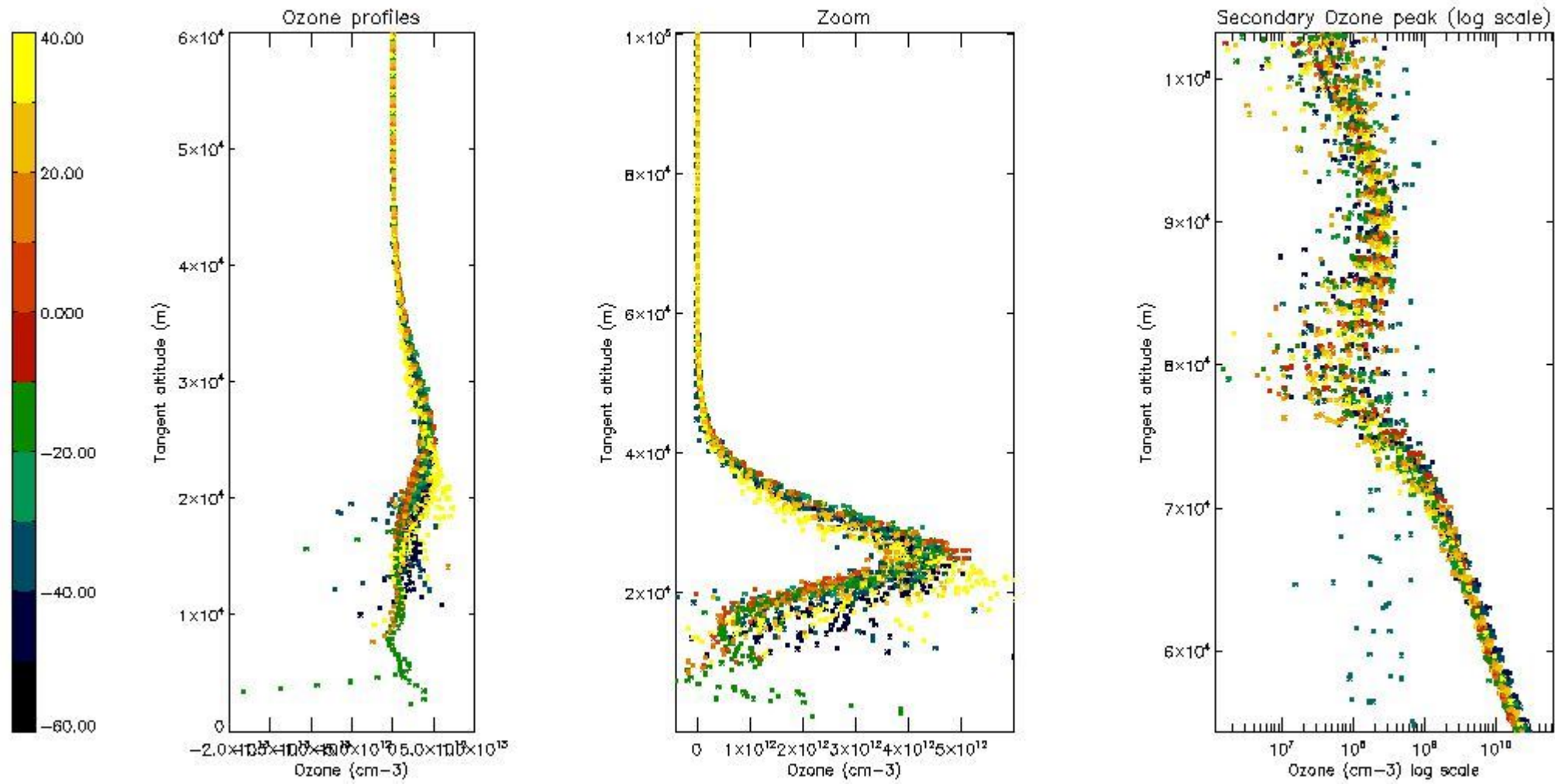
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	34
STD < 20	20

STD < 10	16
STD < 5	10

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

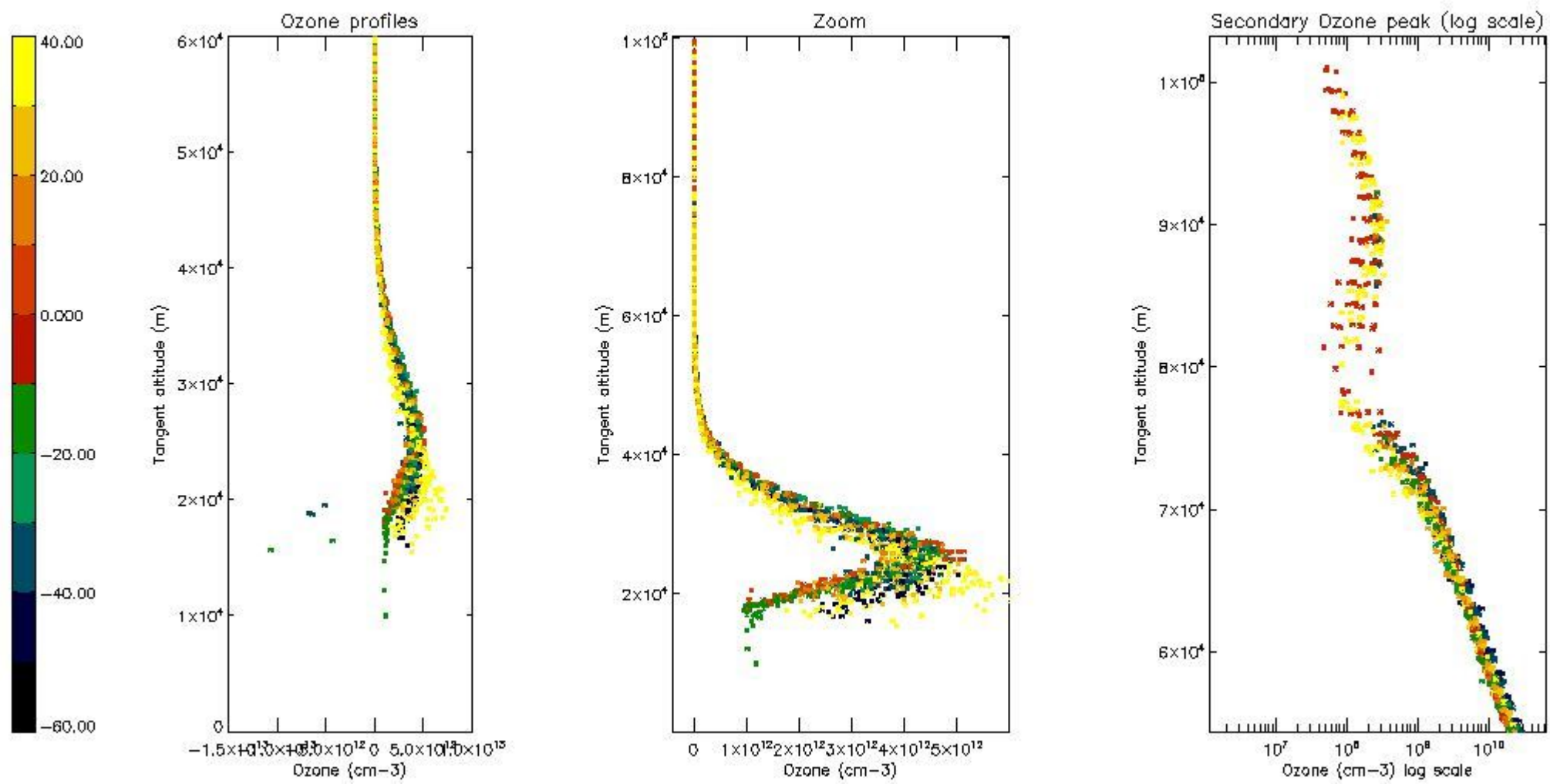
The colorbar represents the latitude.



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

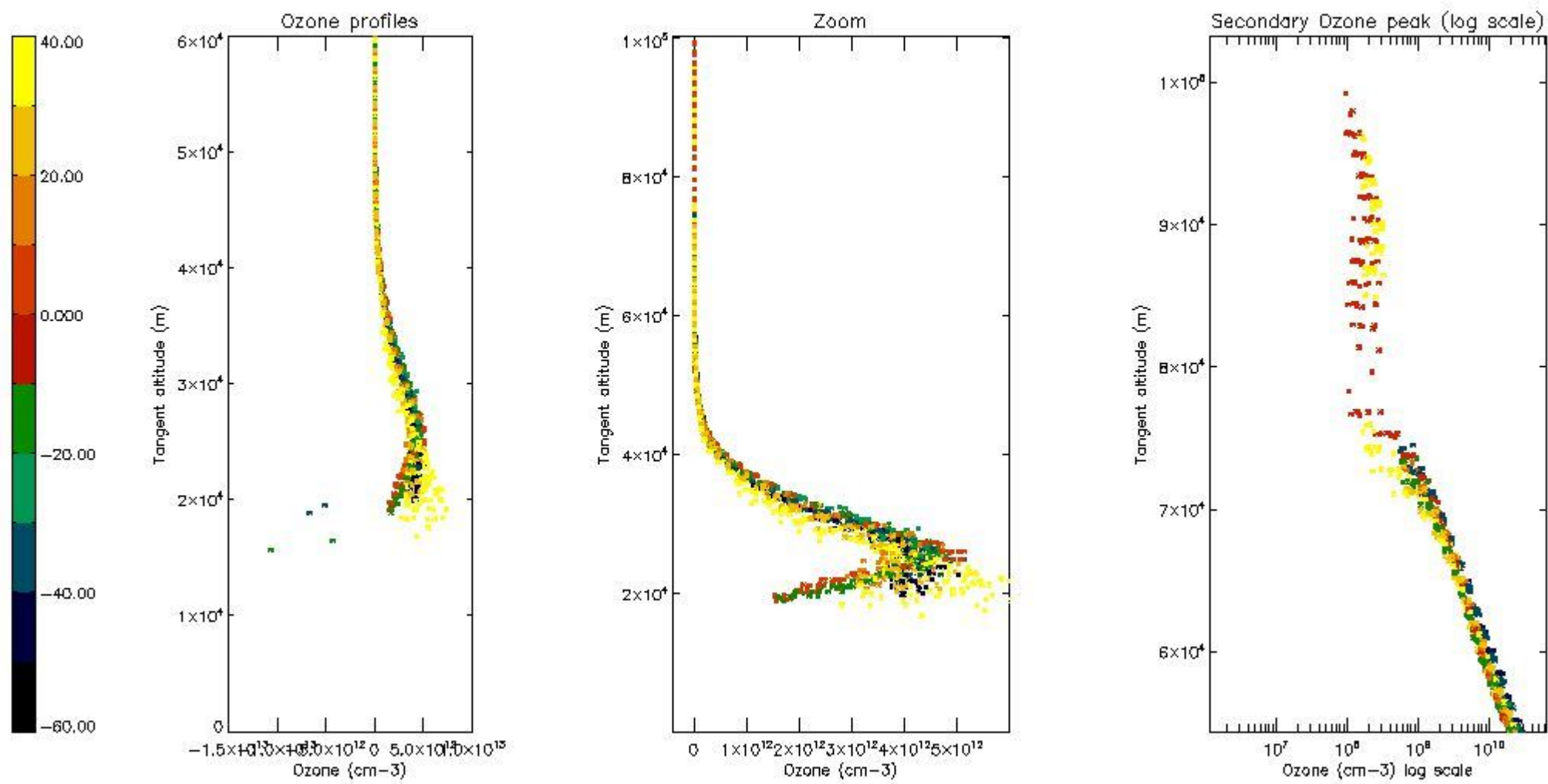
The colorbar represents the latitude.





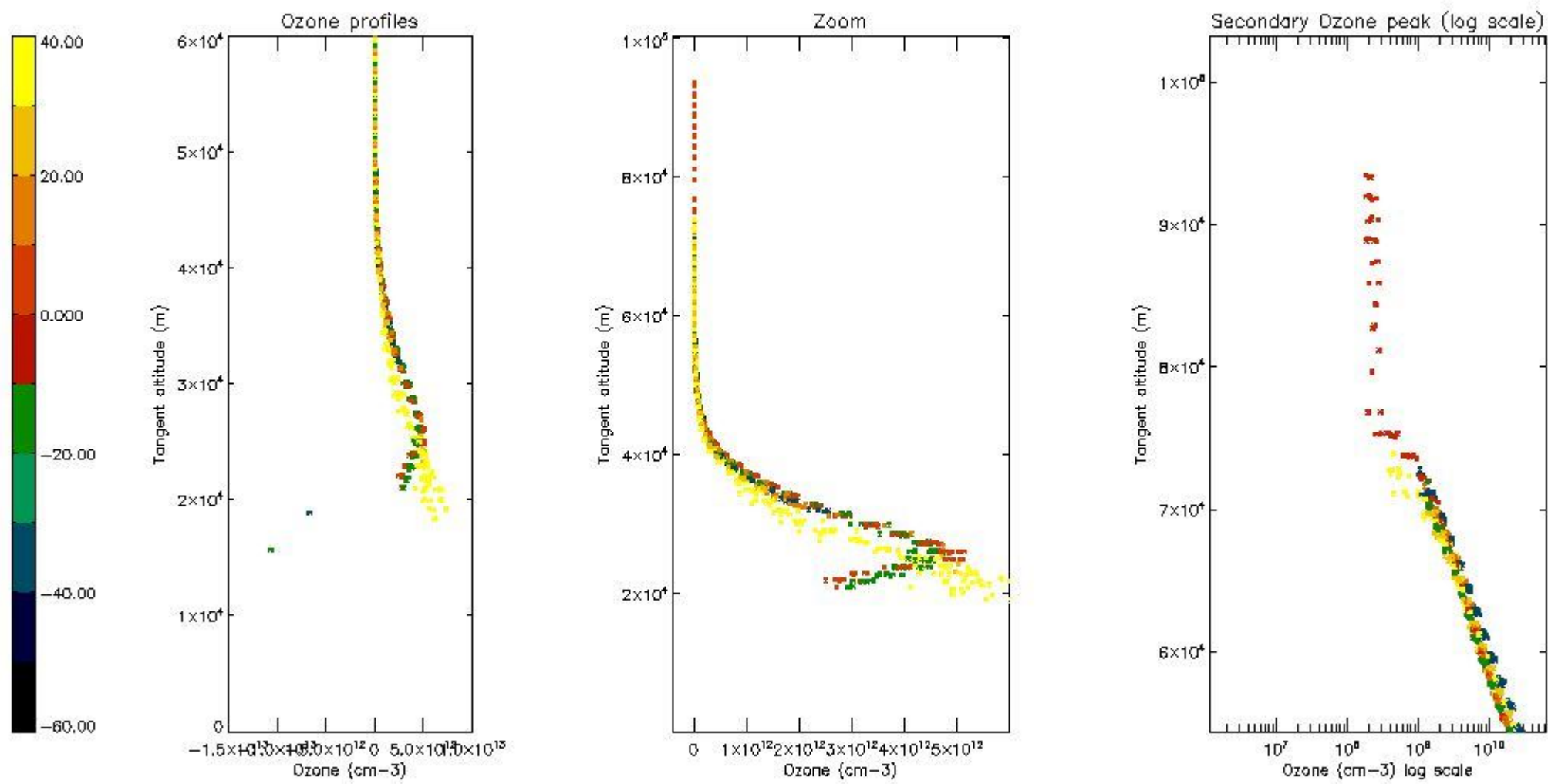
*5.4 Plot ozone profiles where STD < 10% (dark without errors)*

The colorbar represents the latitude.



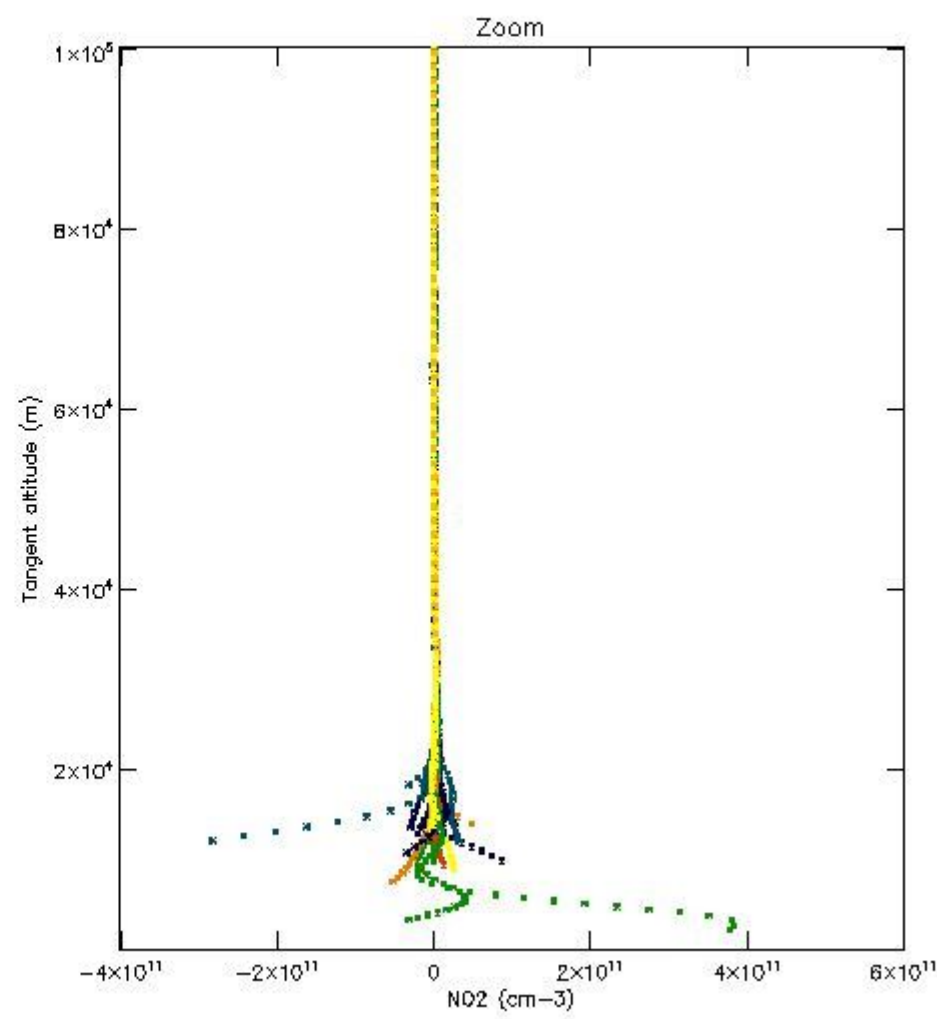
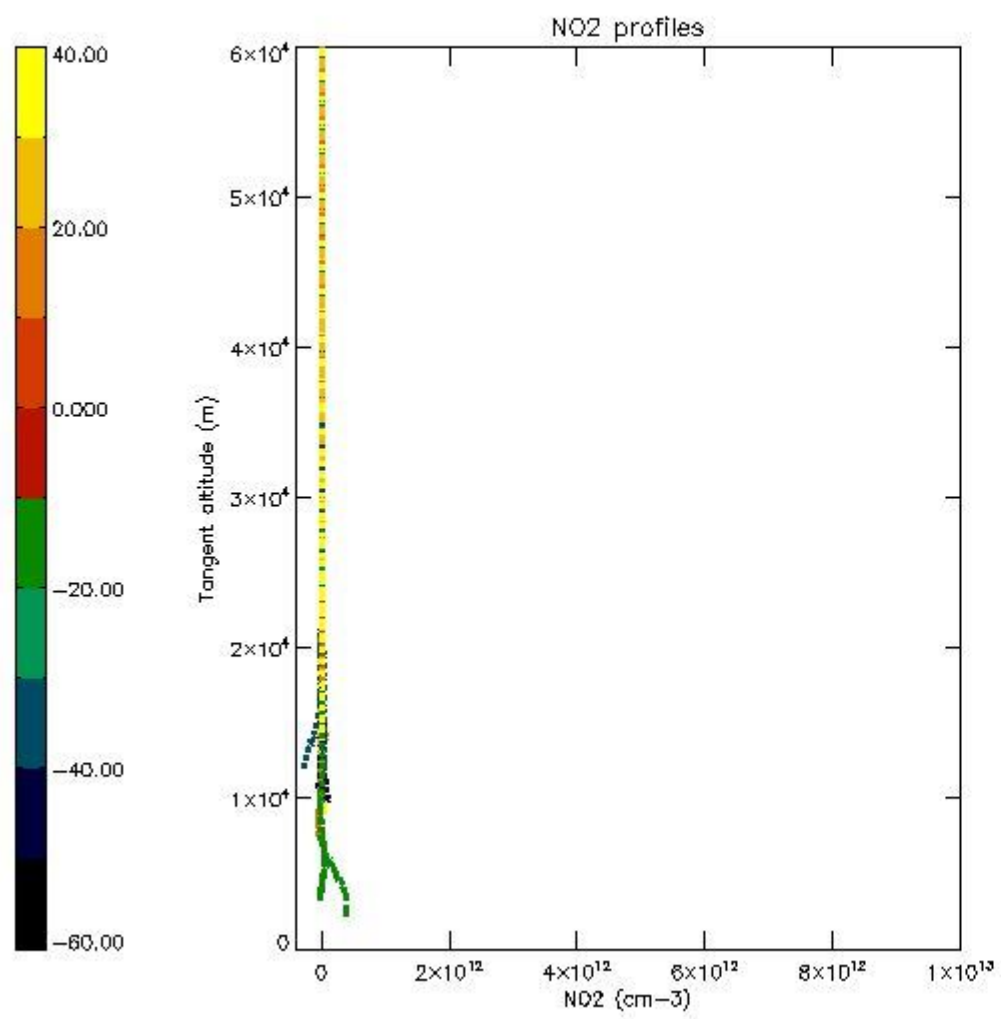
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



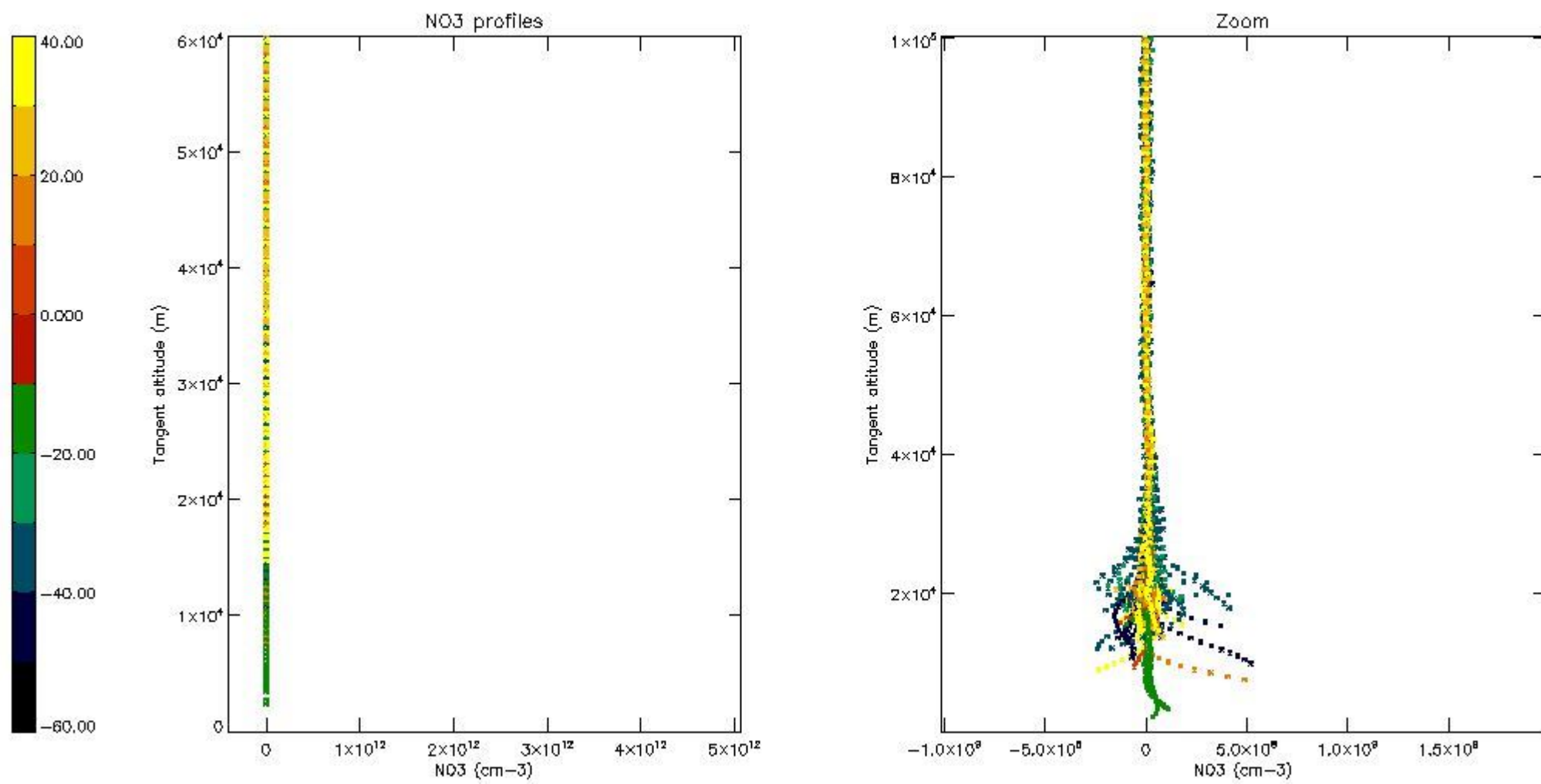
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



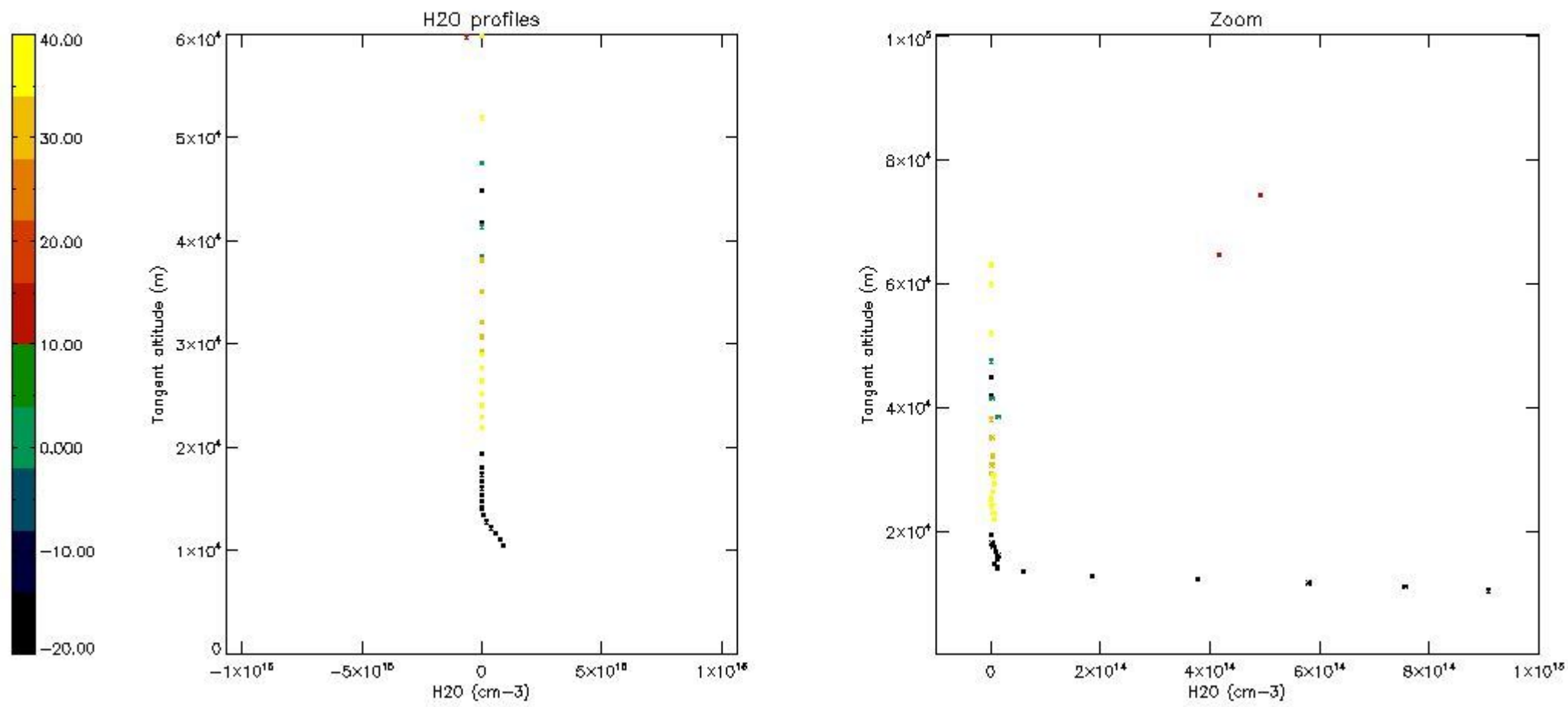
*5.7 Plot NO3 profiles for all STD (dark without errors)*

The colorbar represents the latitude.



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

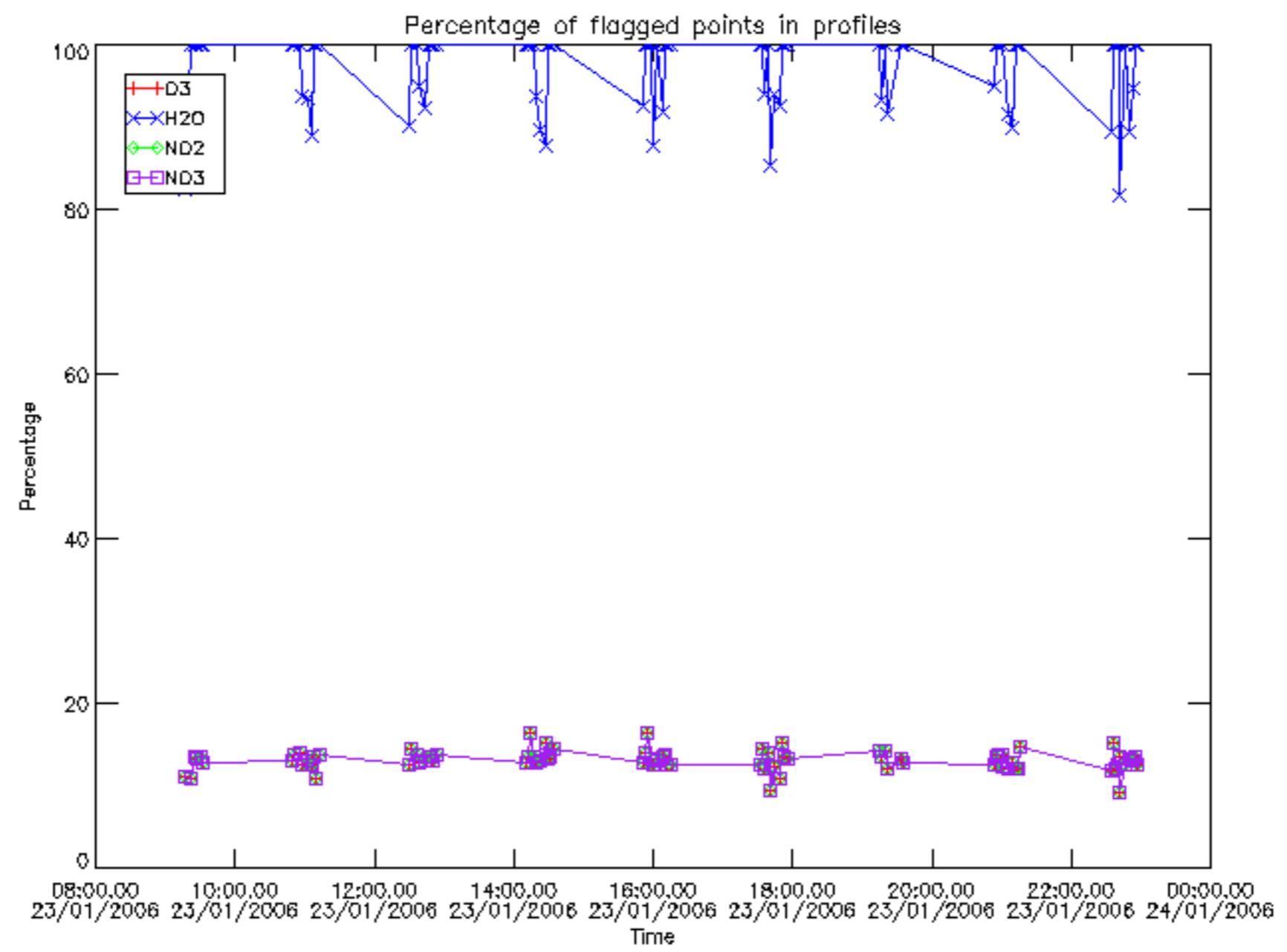
The colorbar represents the latitude.



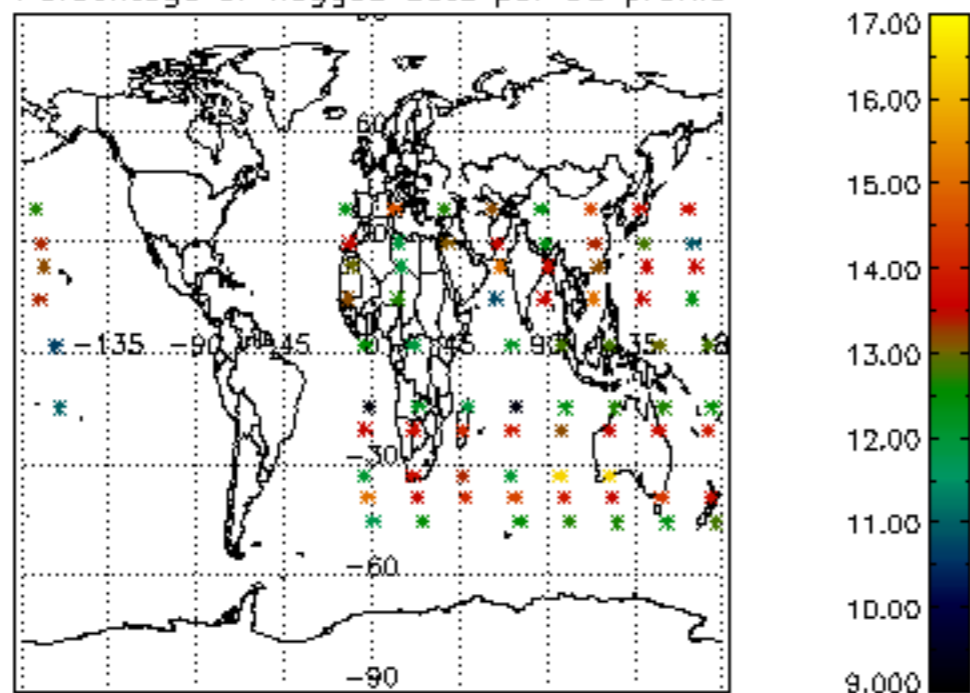
## 6. Auxiliary Data Files used for the production reported in section 2

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.

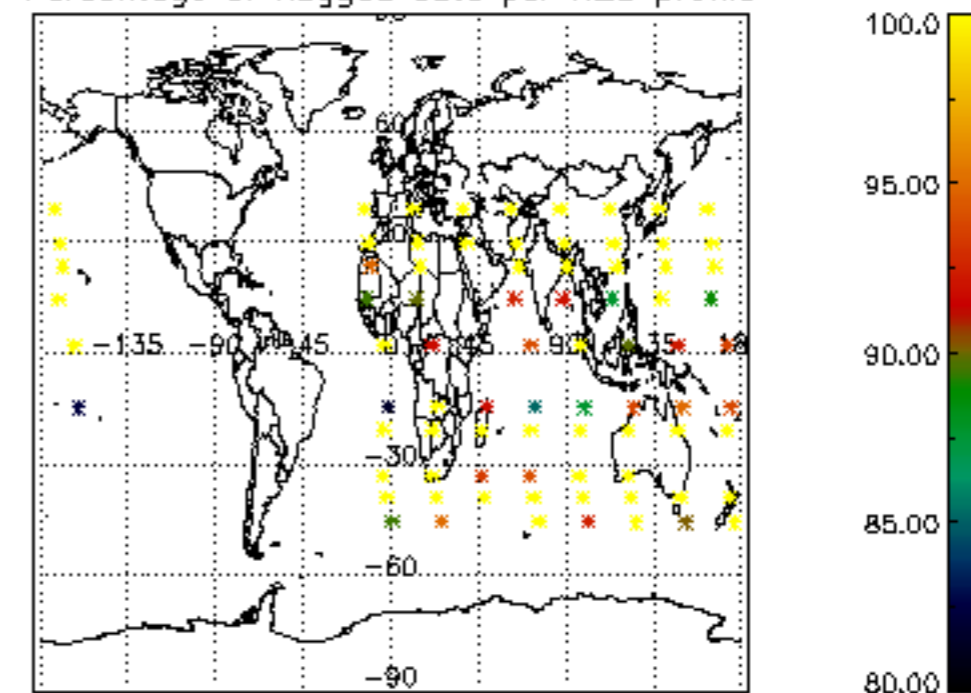
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	23-JAN-2006 09:17:06
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	23-JAN-2006 09:17:06
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	23-JAN-2006 09:17:06



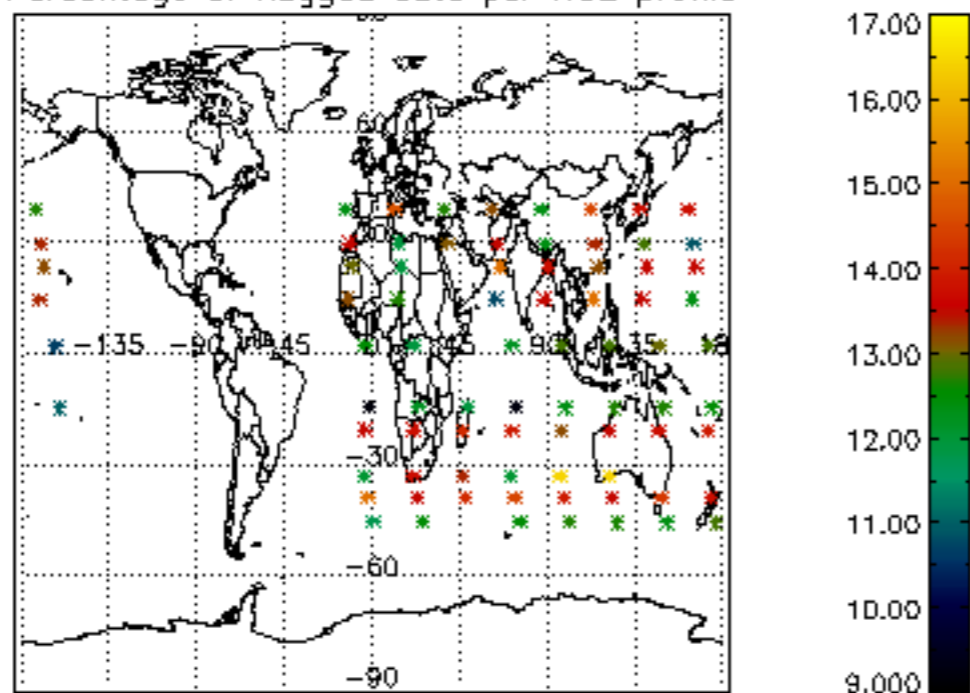
Percentage of flagged data per D3 profile



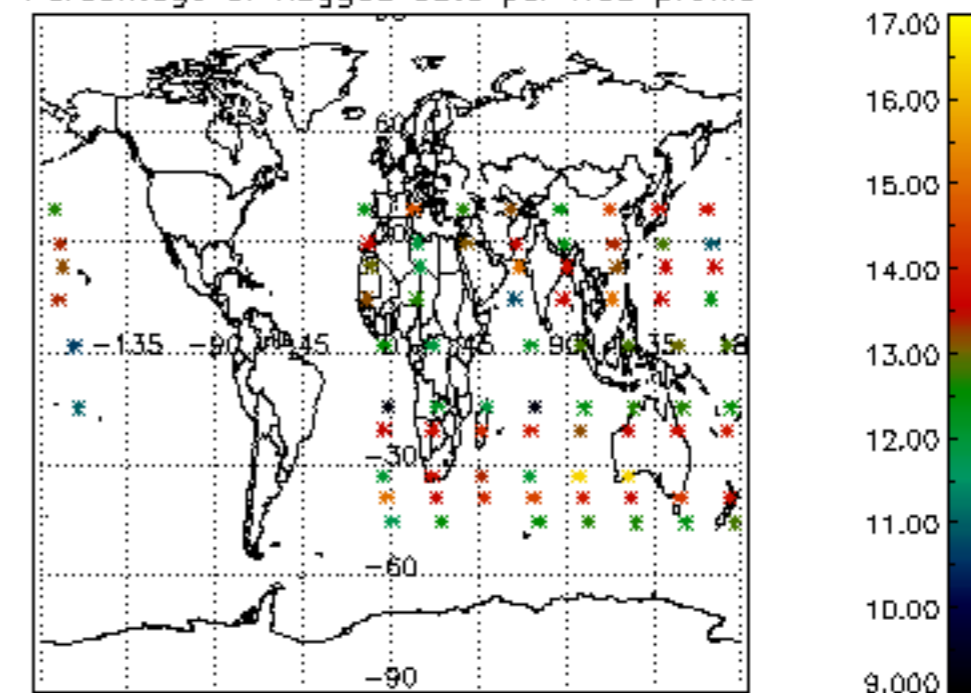
Percentage of flagged data per H2O profile



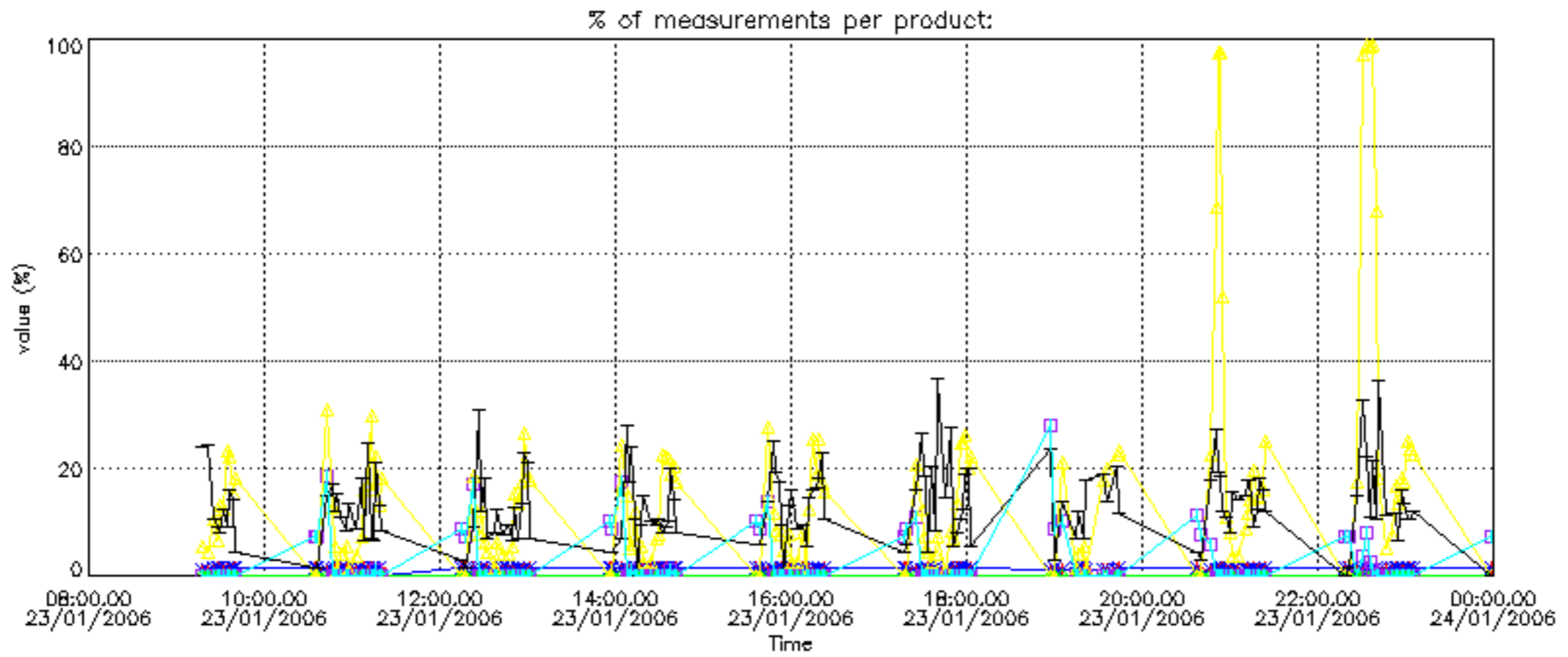
Percentage of flagged data per NO2 profile

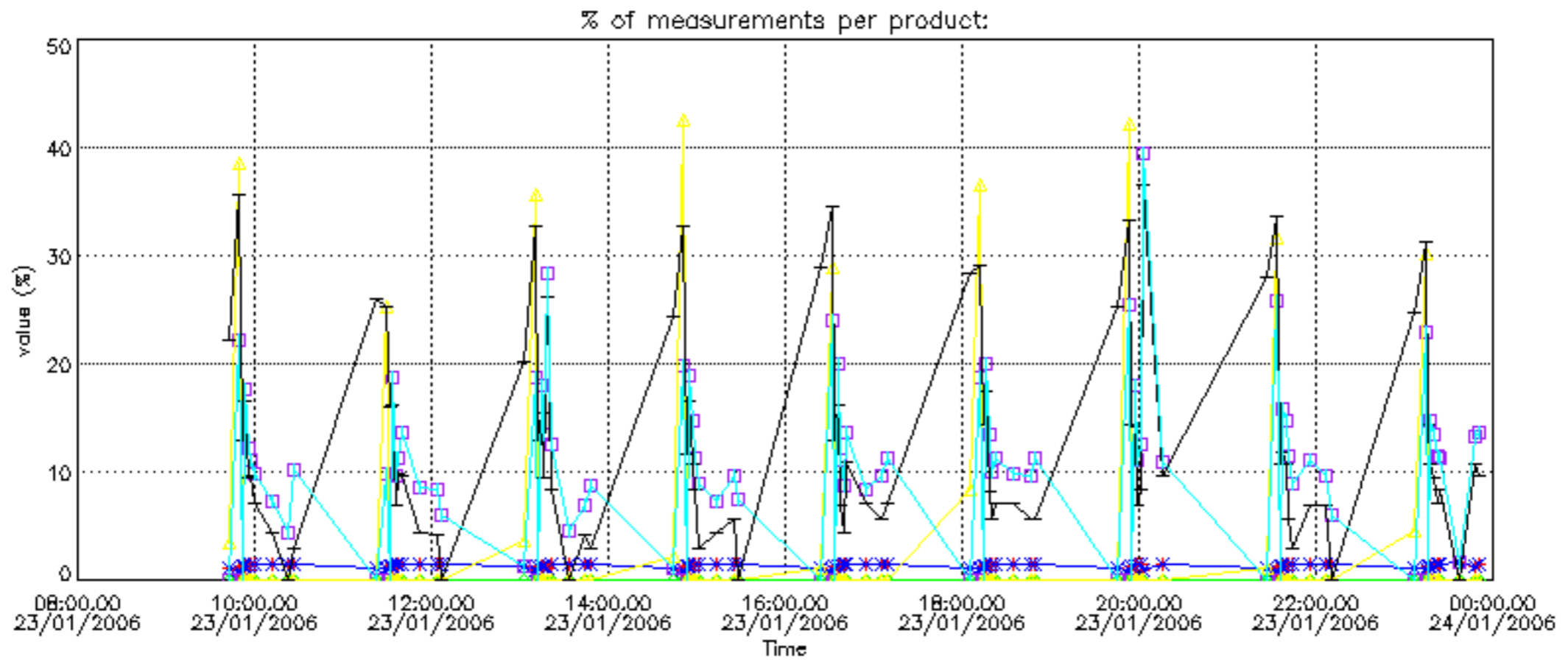


Percentage of flagged data per NO3 profile

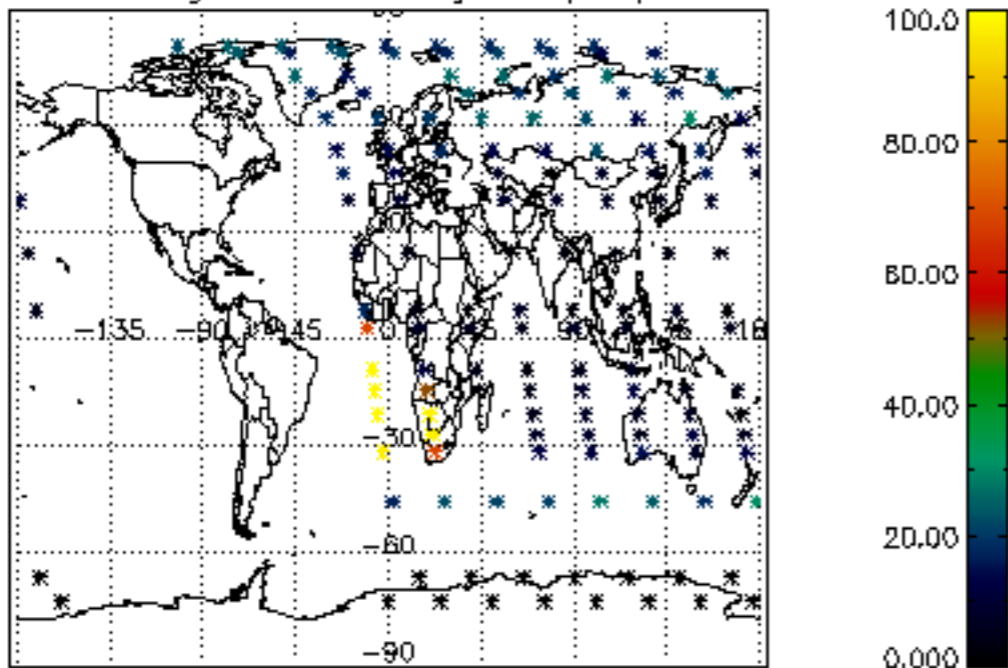




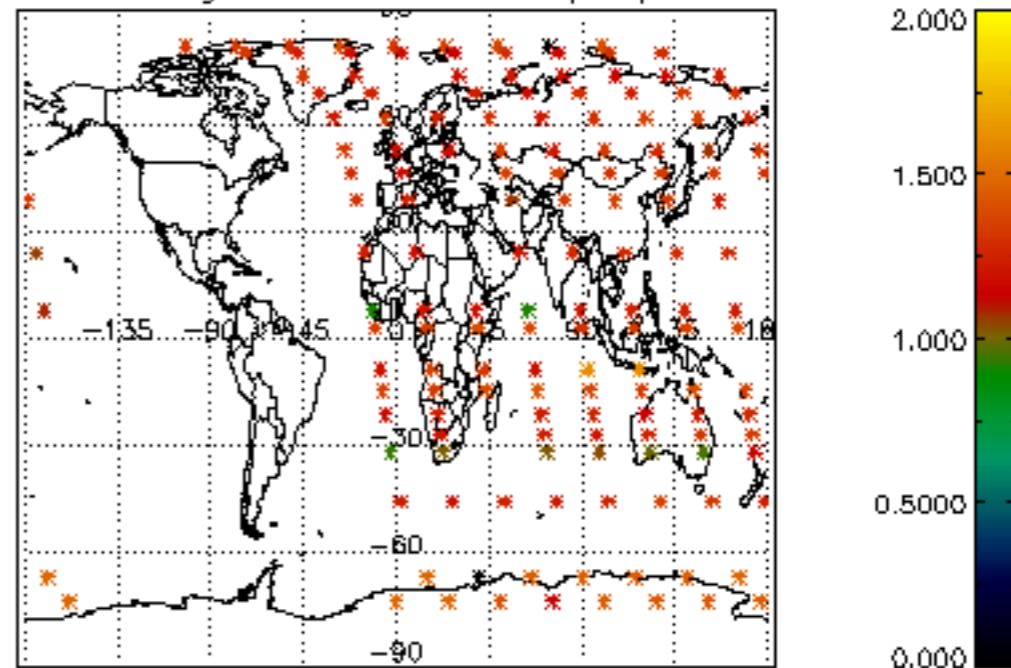




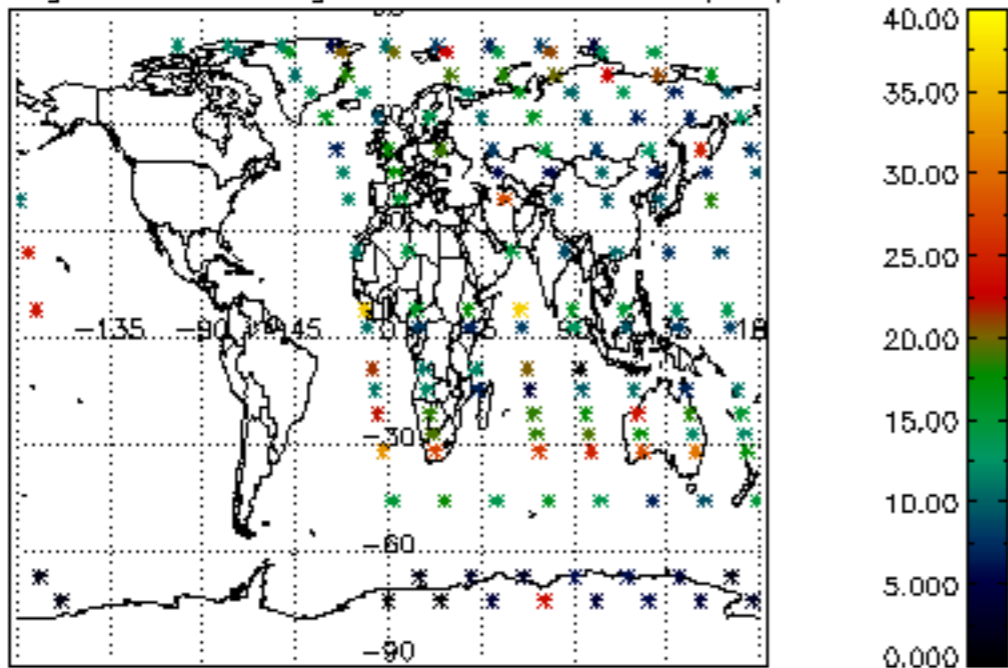
Percentage of cosmic ray hits per profile



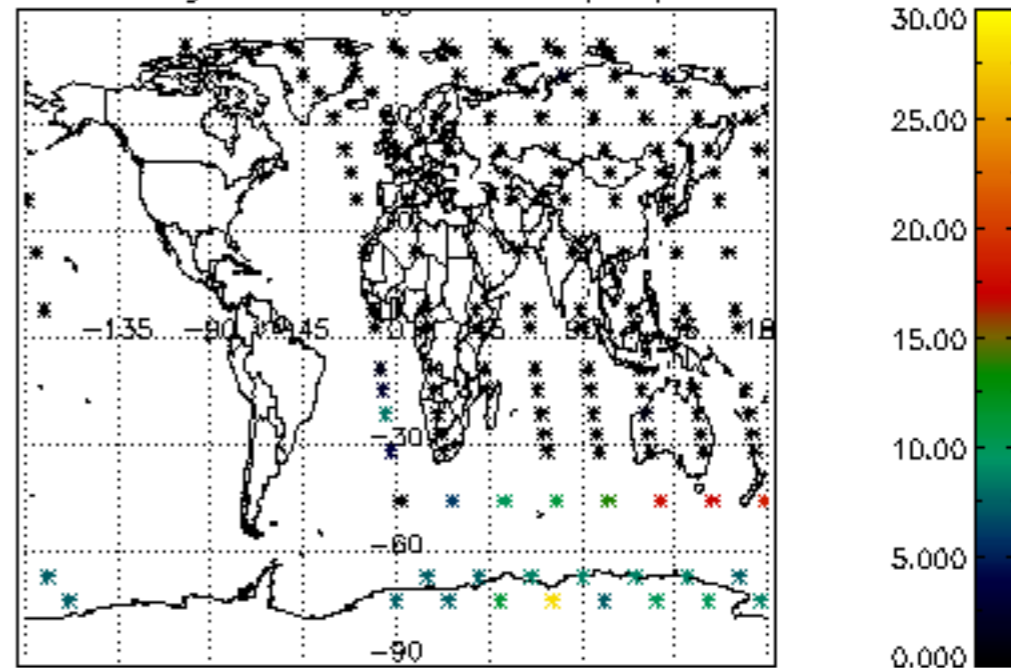
Percentage of datation errors per profile



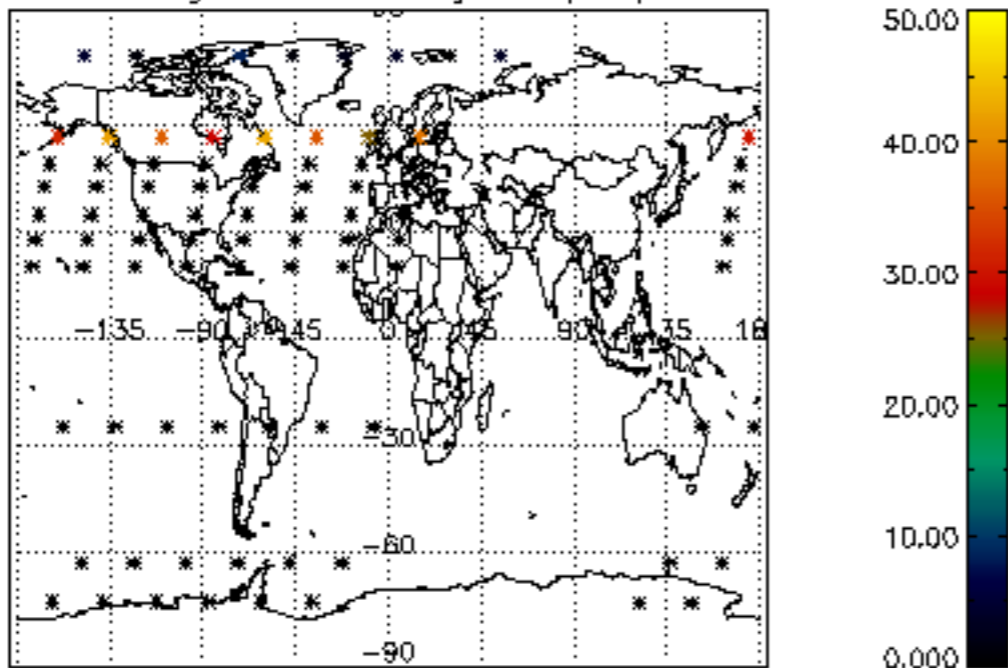
Percentage of star falling outside central band per profile



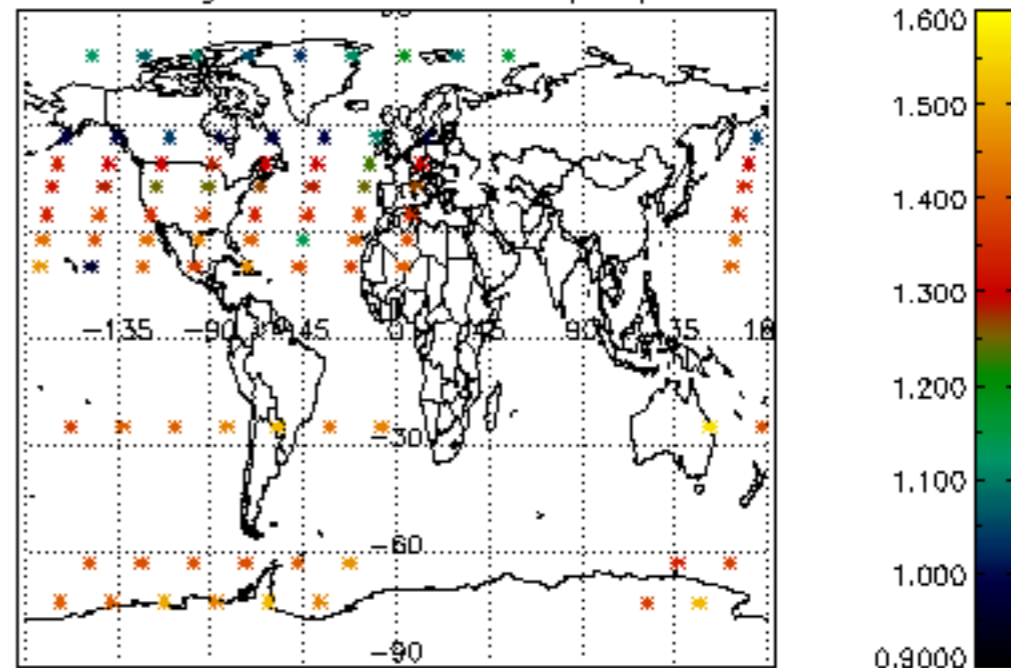
Percentage of saturation errors per profile



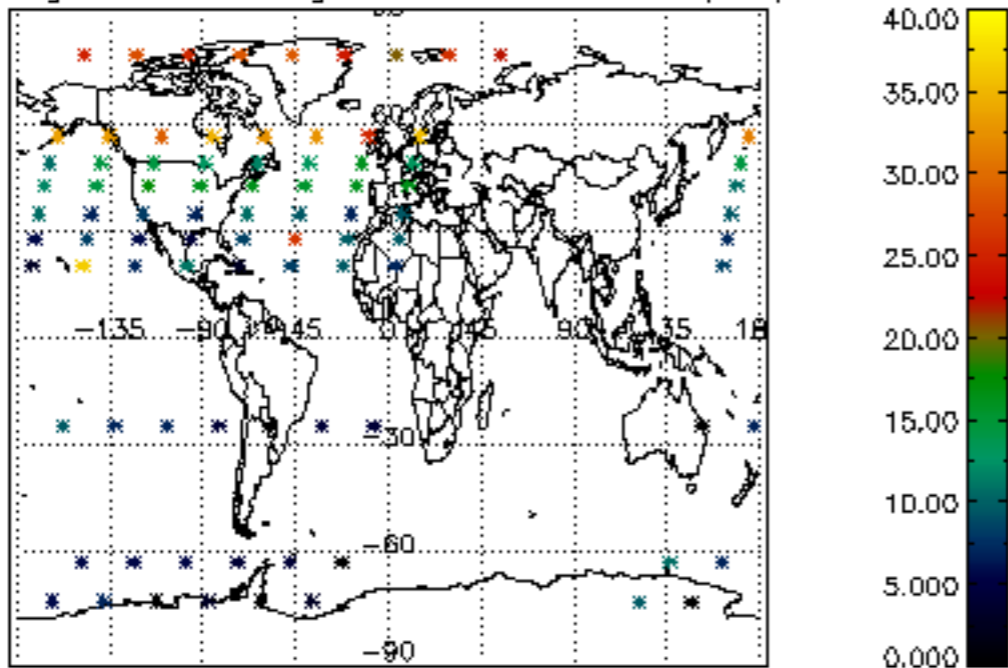
Percentage of cosmic ray hits per profile



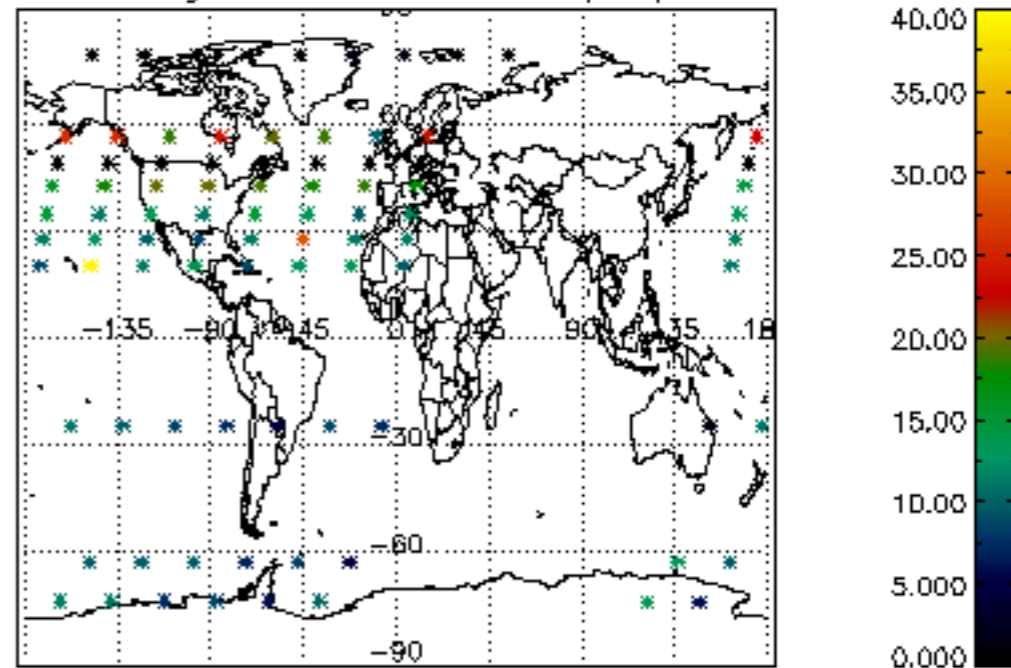
Percentage of datation errors per profile

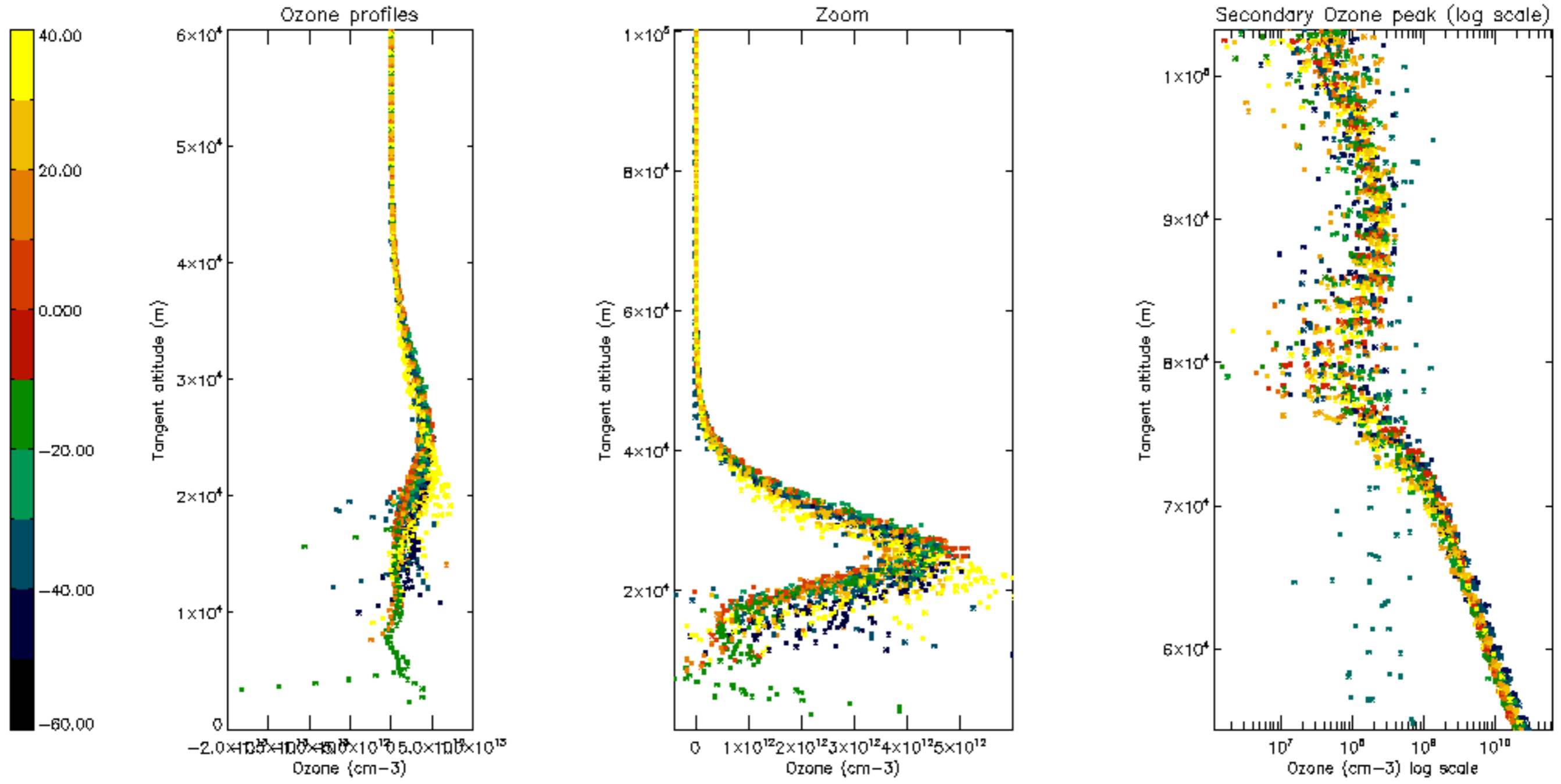


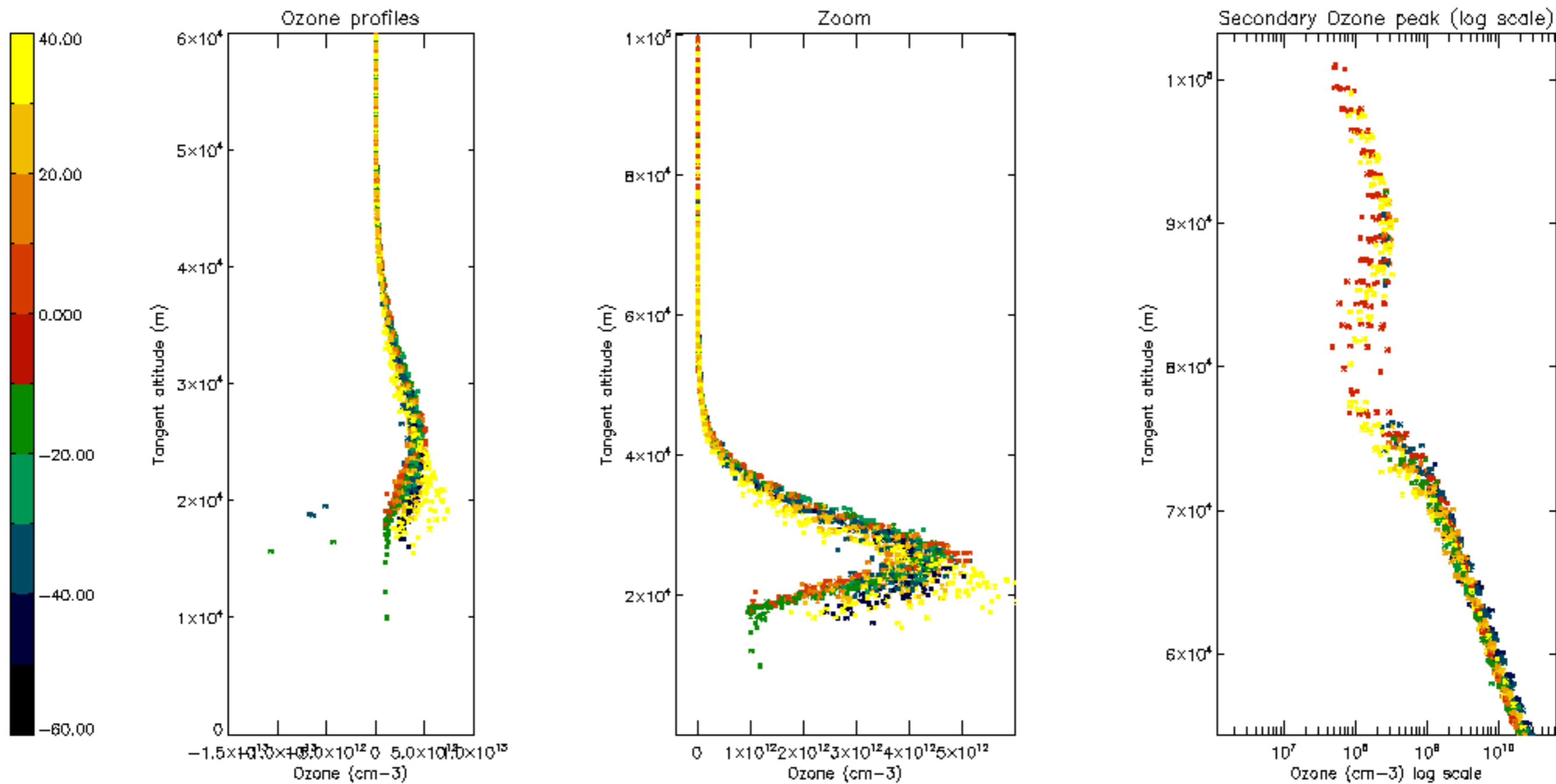
Percentage of star falling outside central band per profile

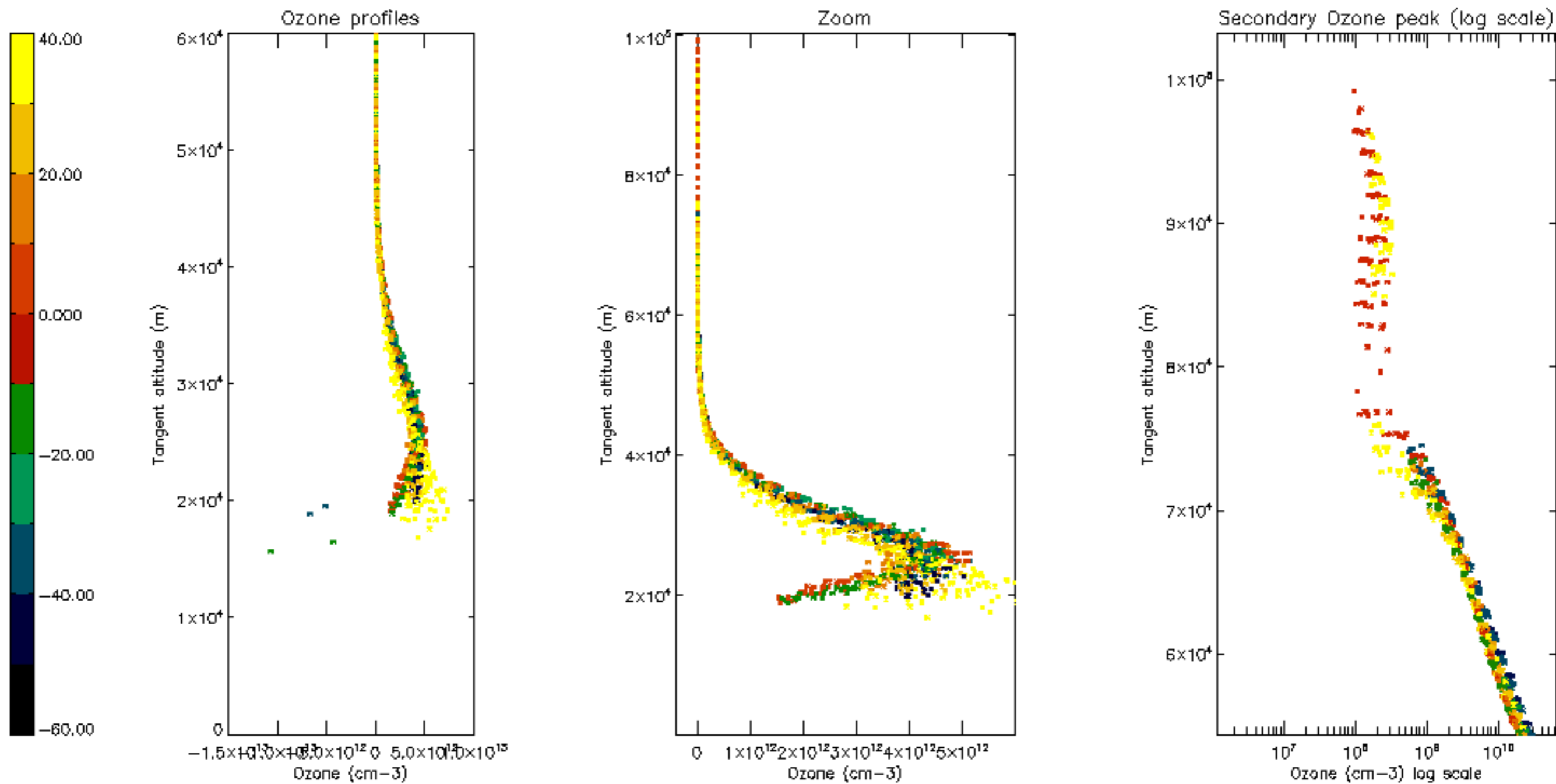


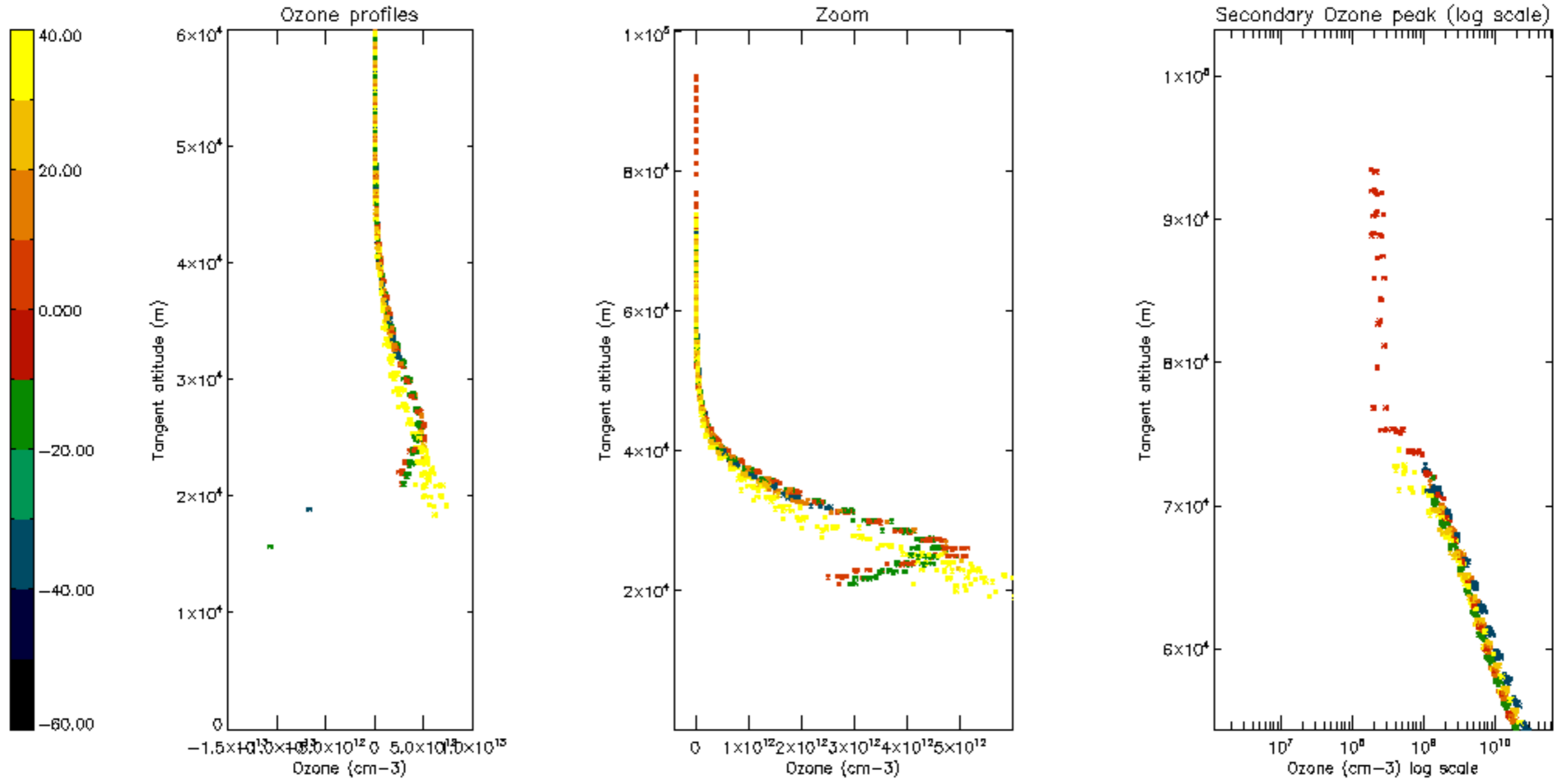
Percentage of saturation errors per profile



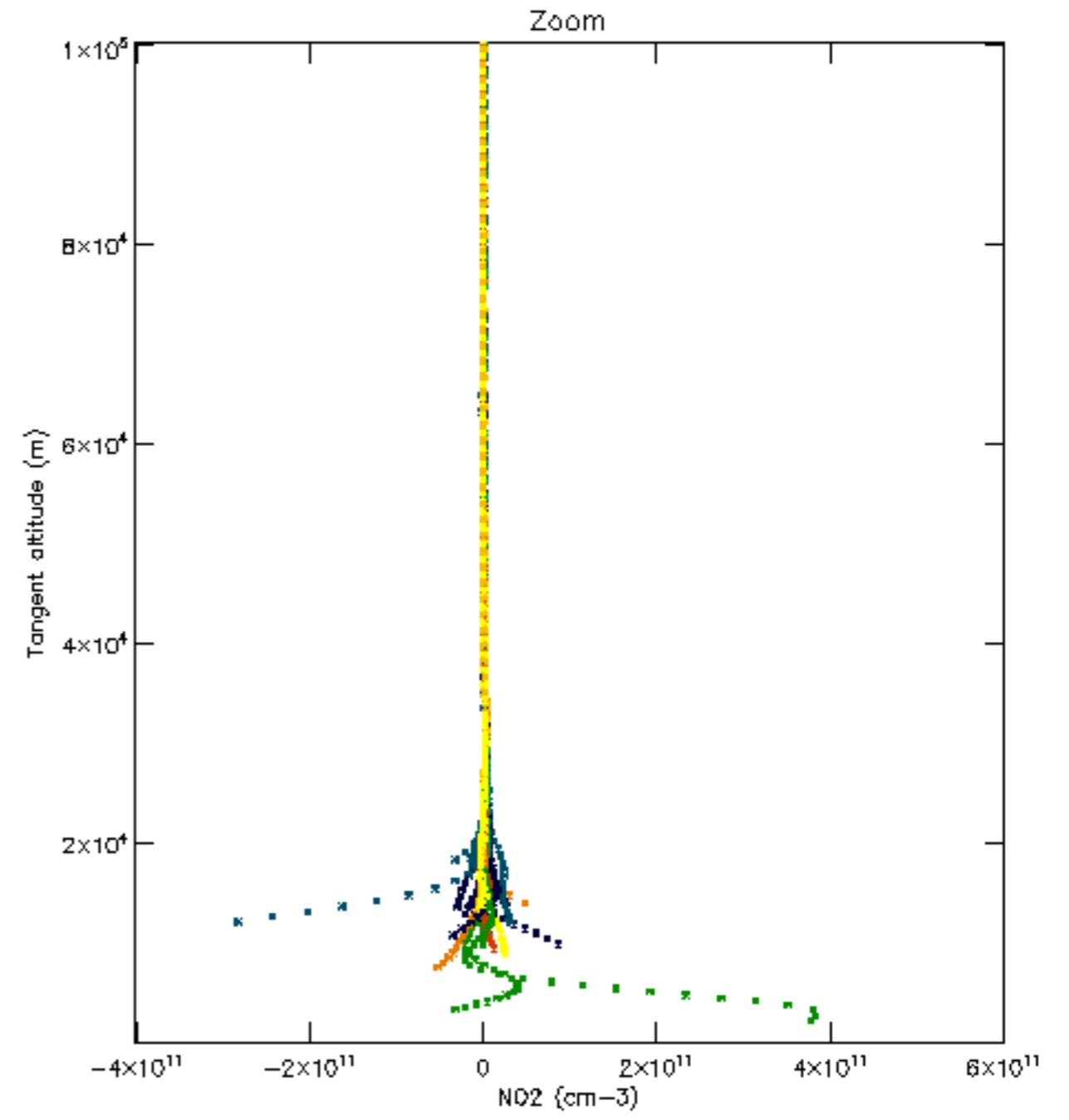
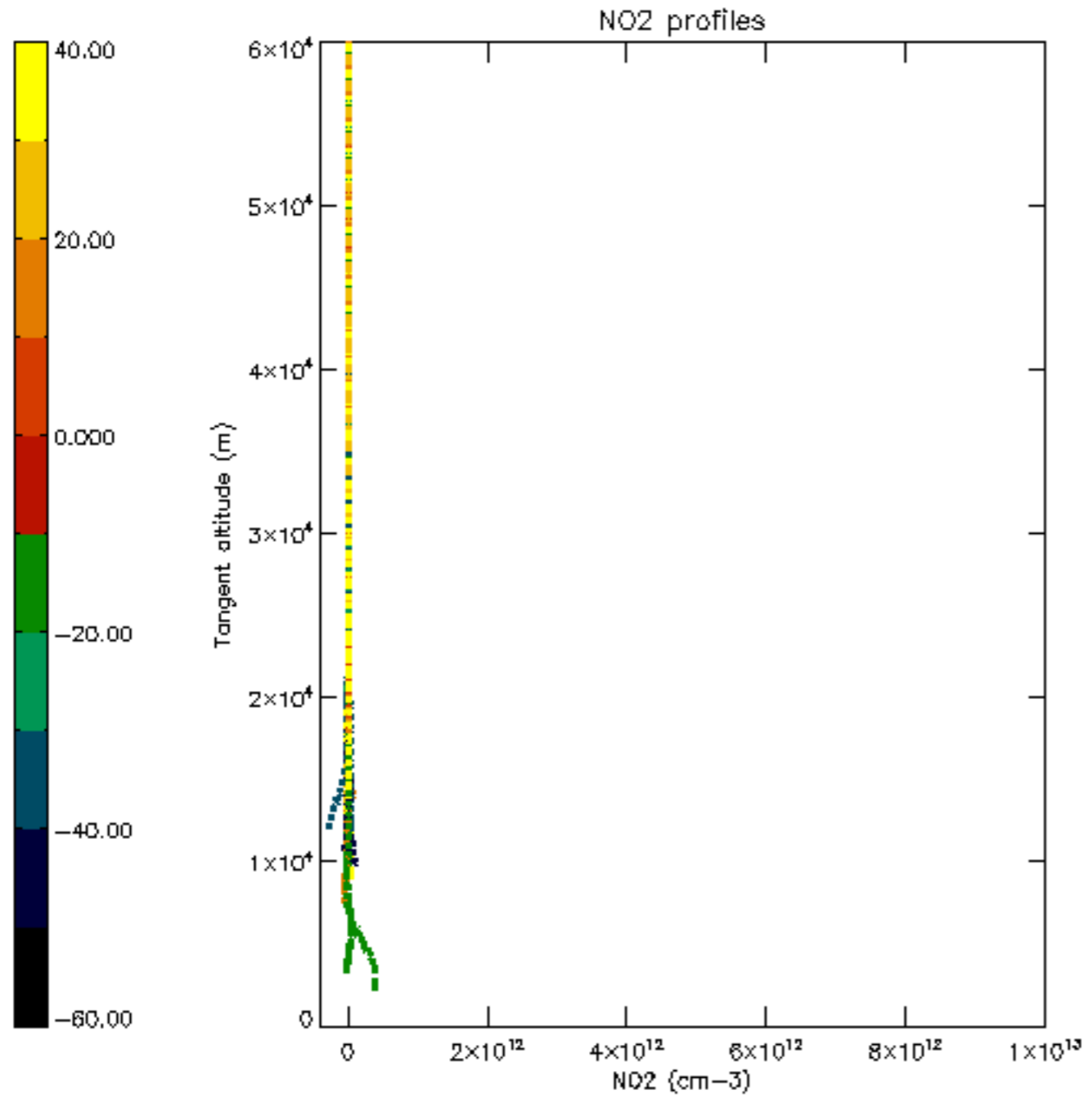


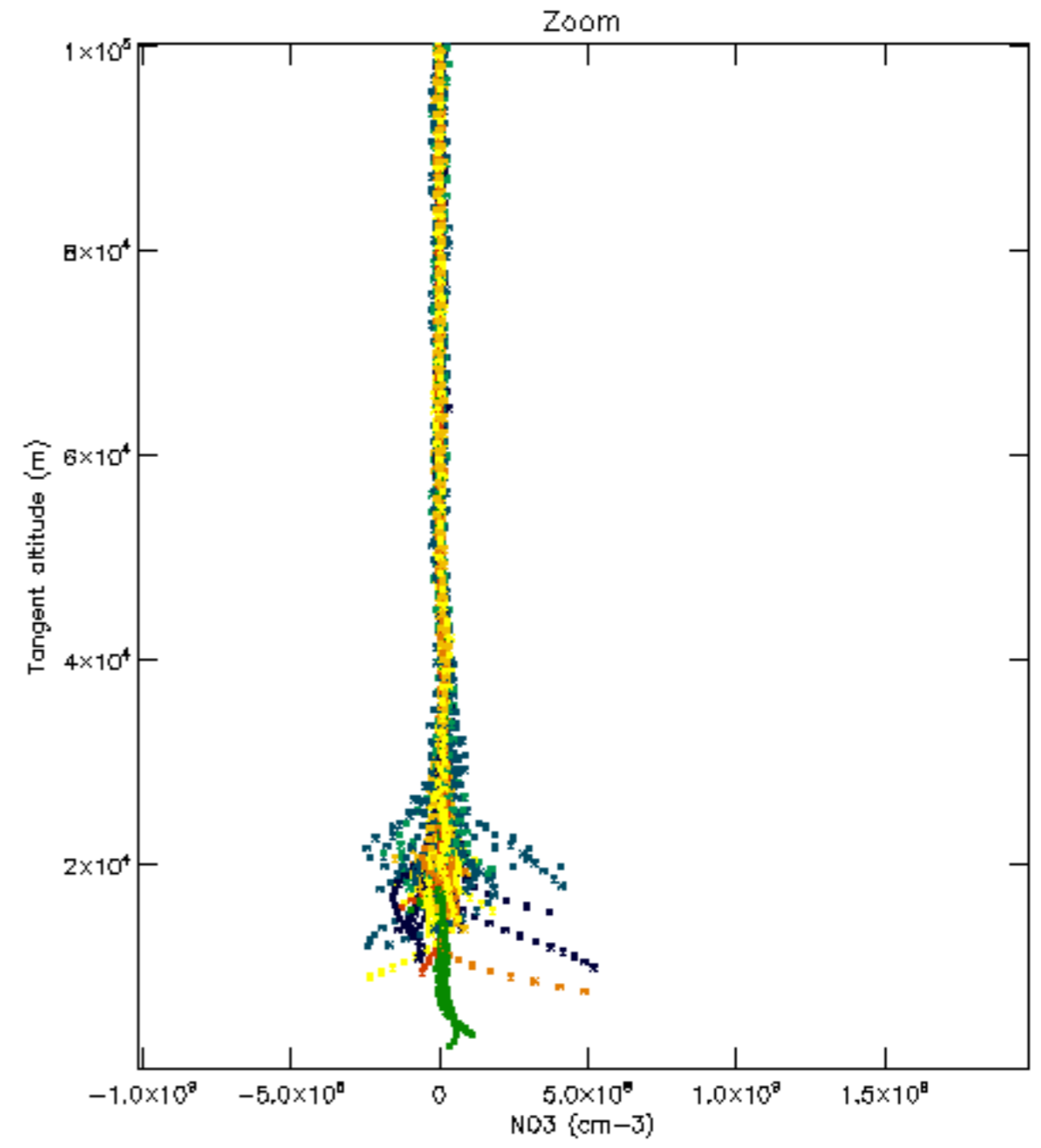
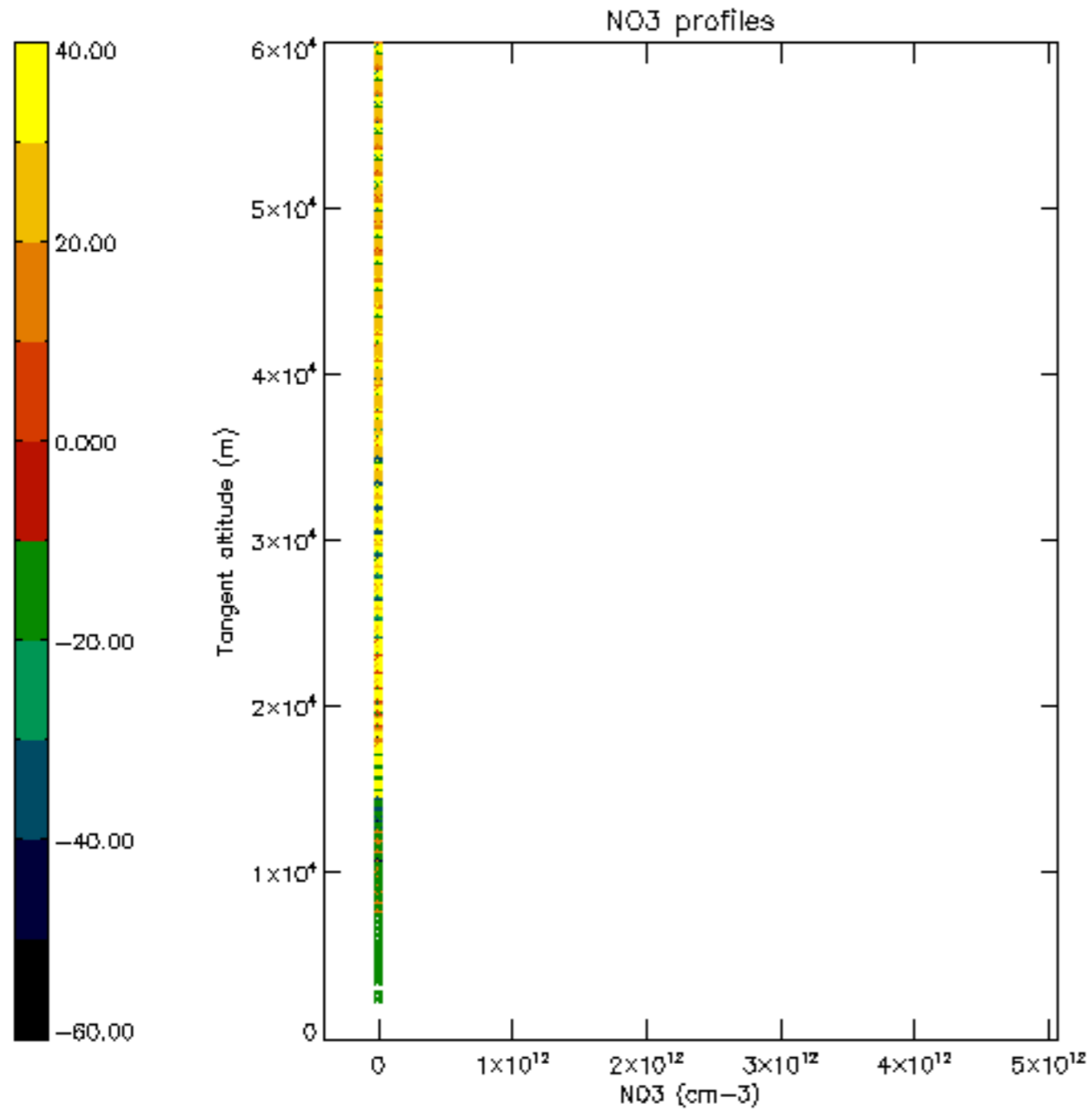


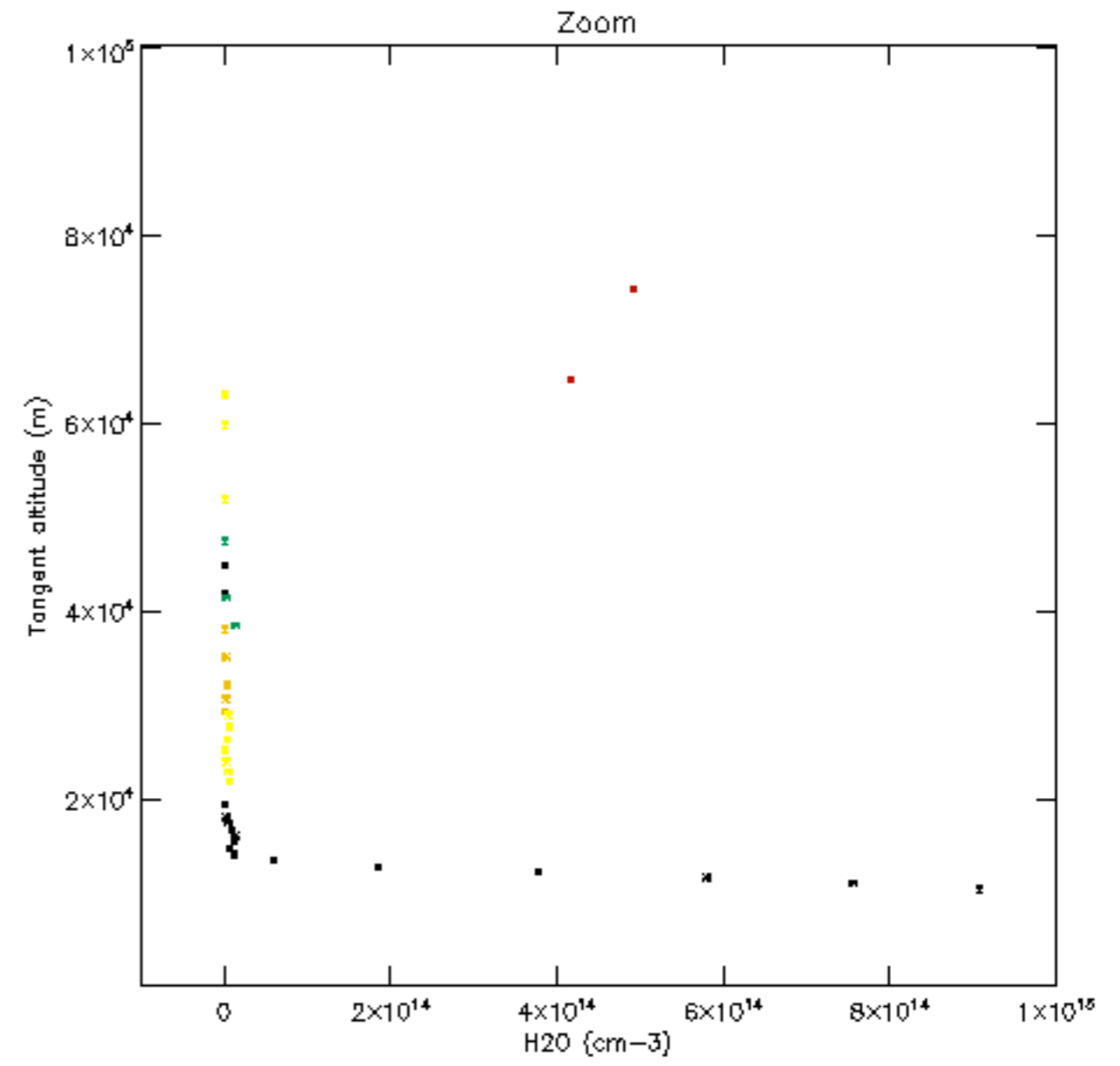
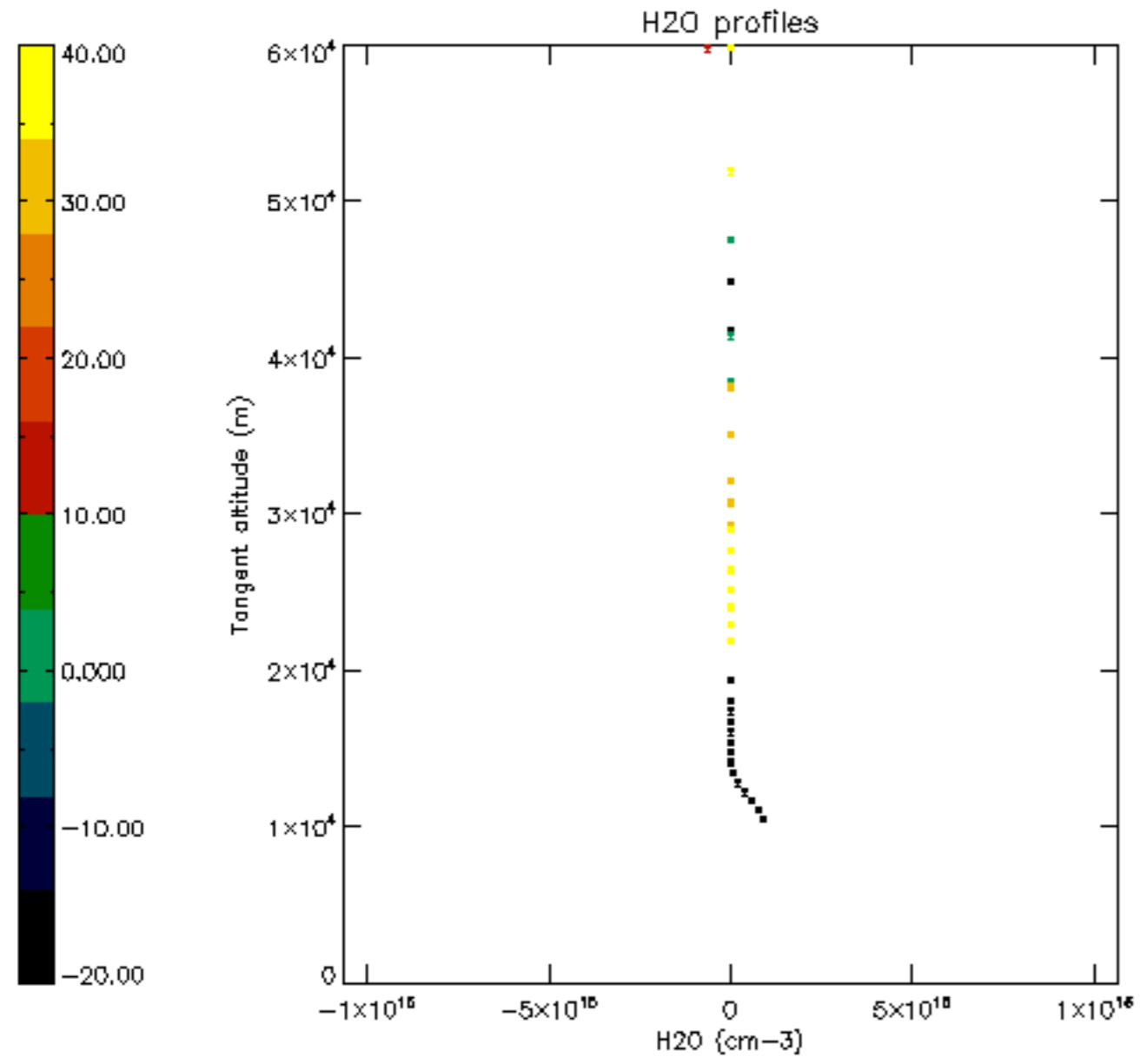


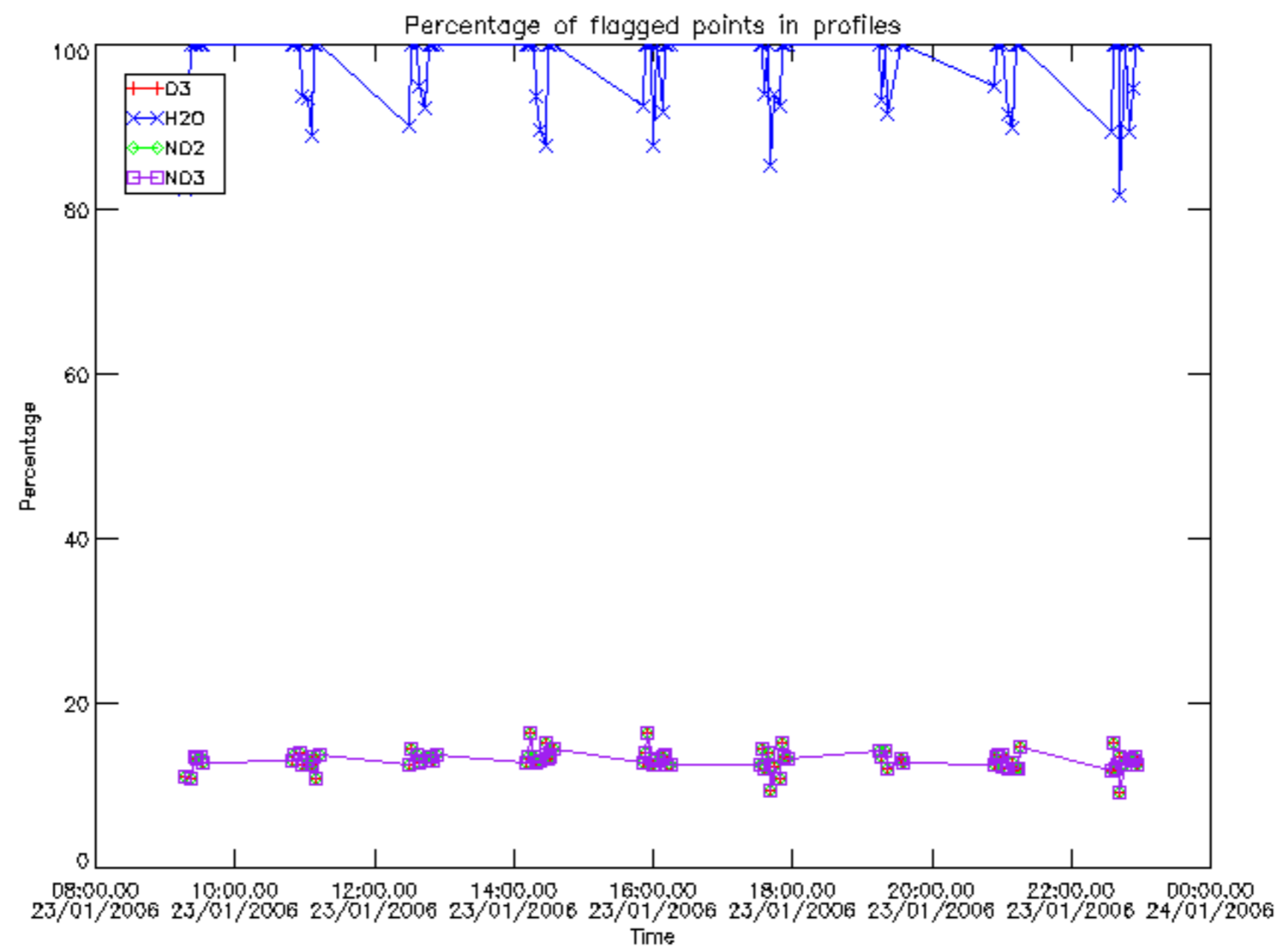




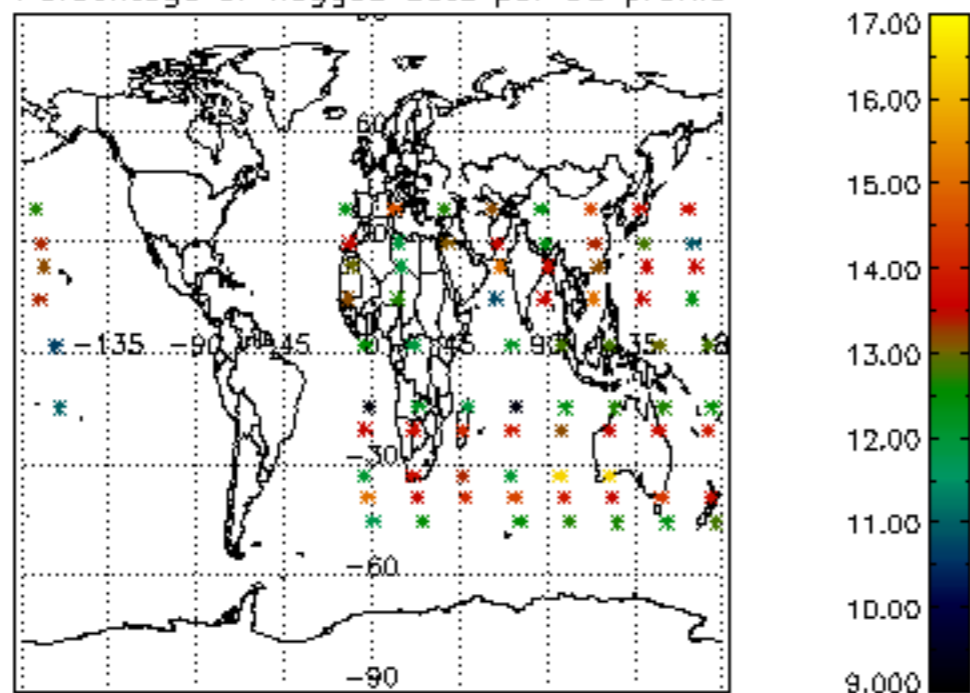




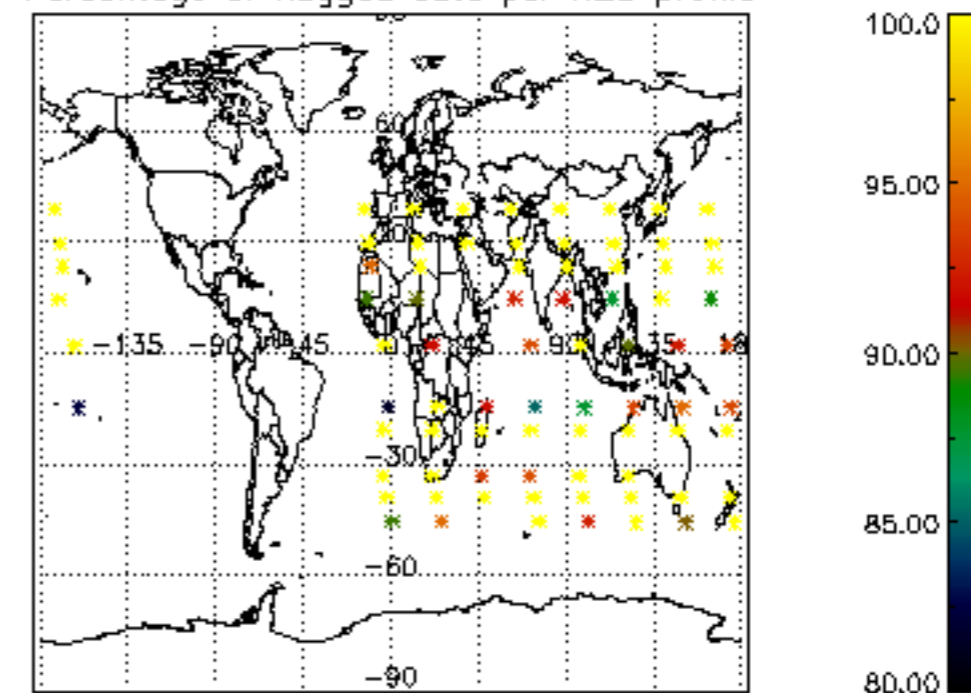




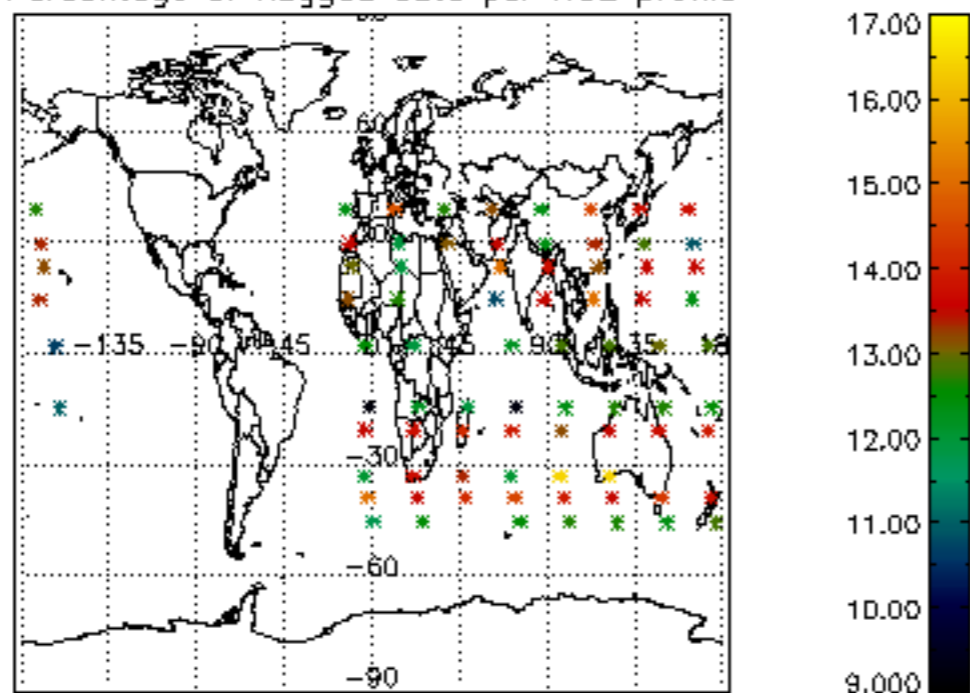
Percentage of flagged data per D3 profile



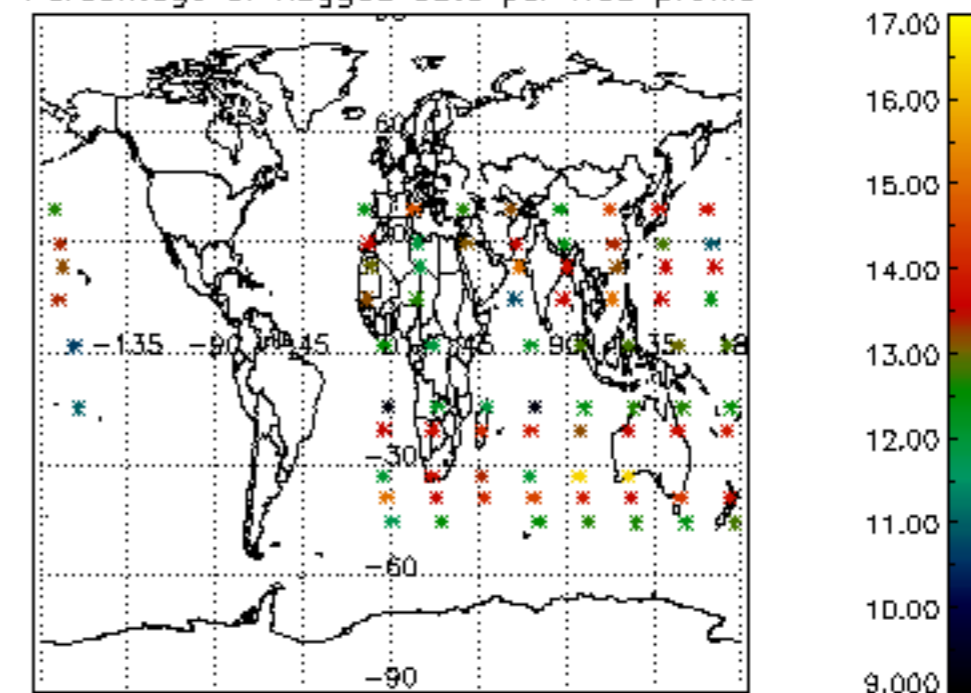
Percentage of flagged data per H2O profile

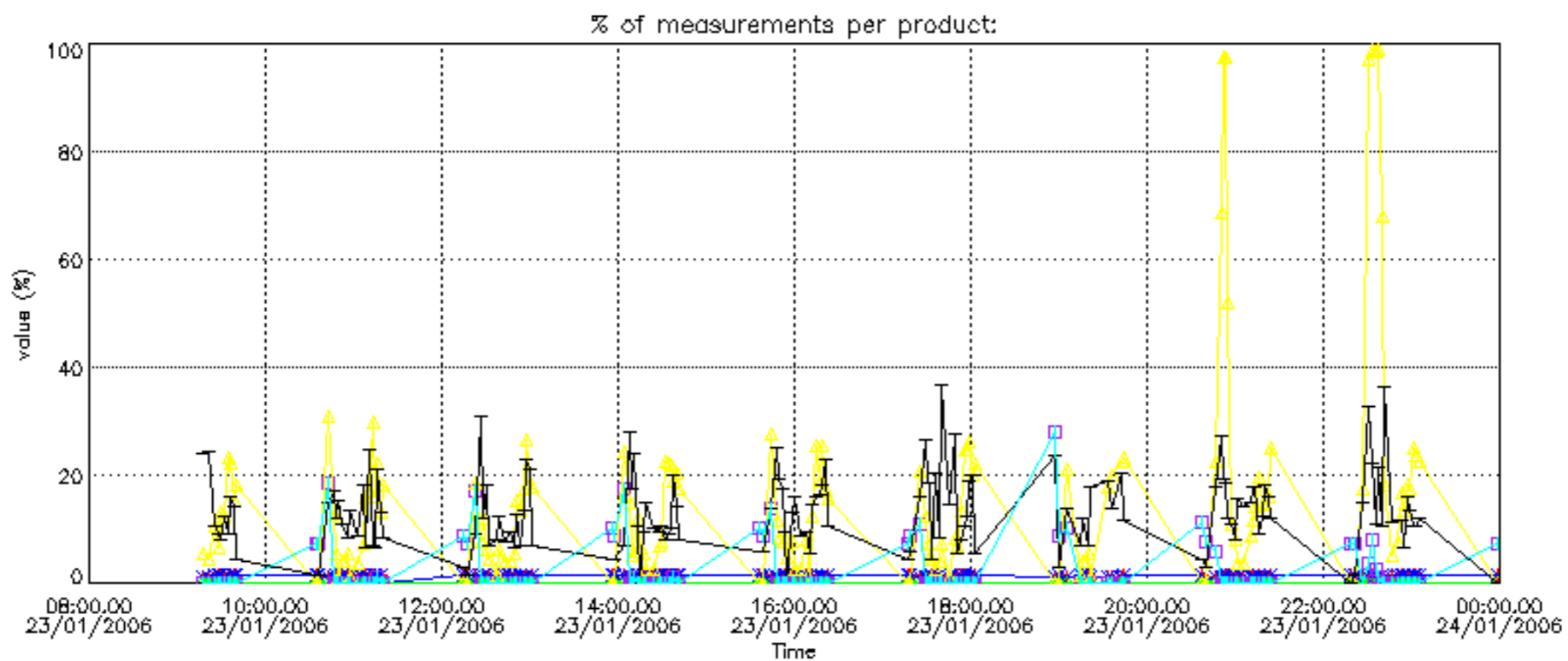


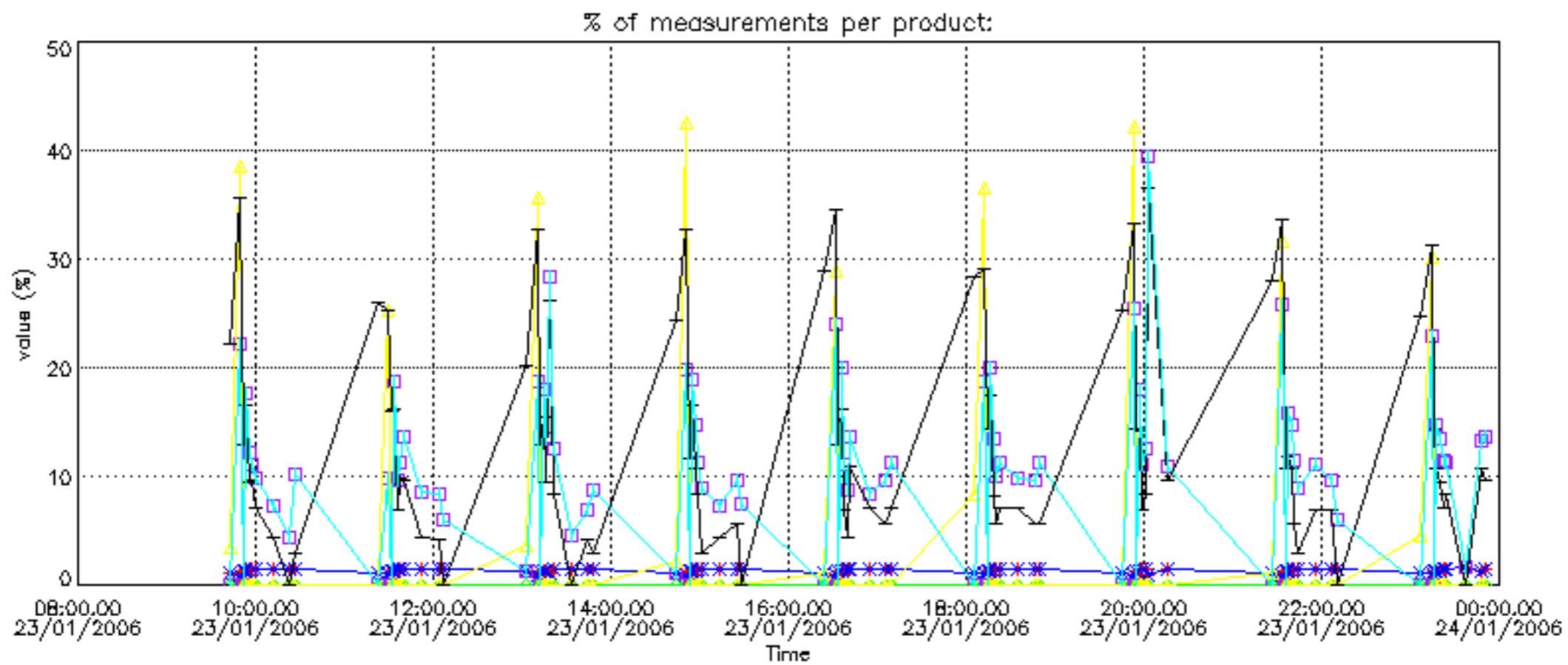
Percentage of flagged data per NO2 profile



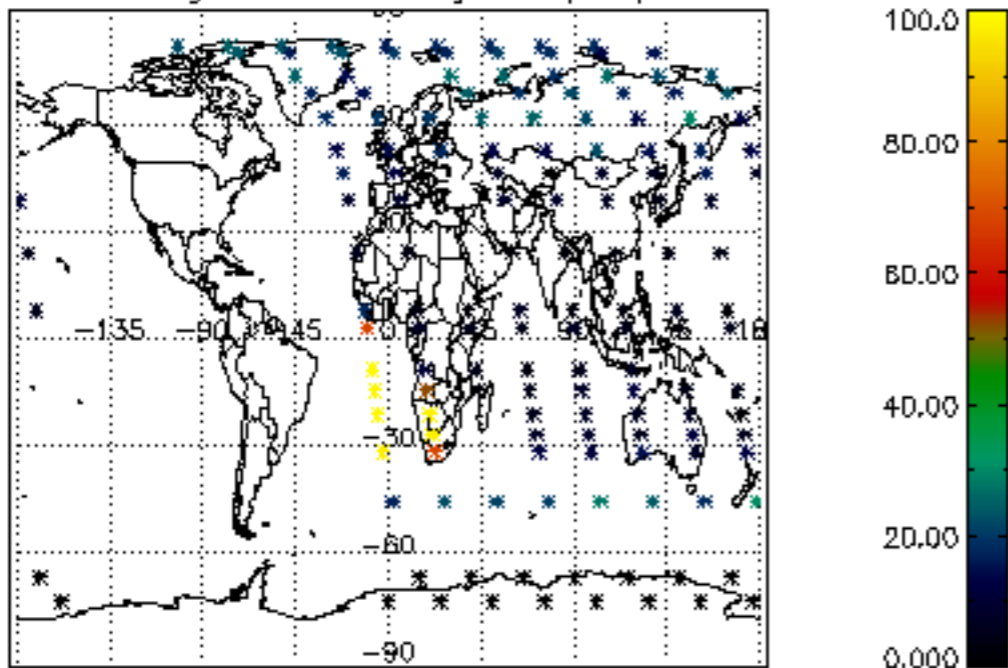
Percentage of flagged data per NO3 profile



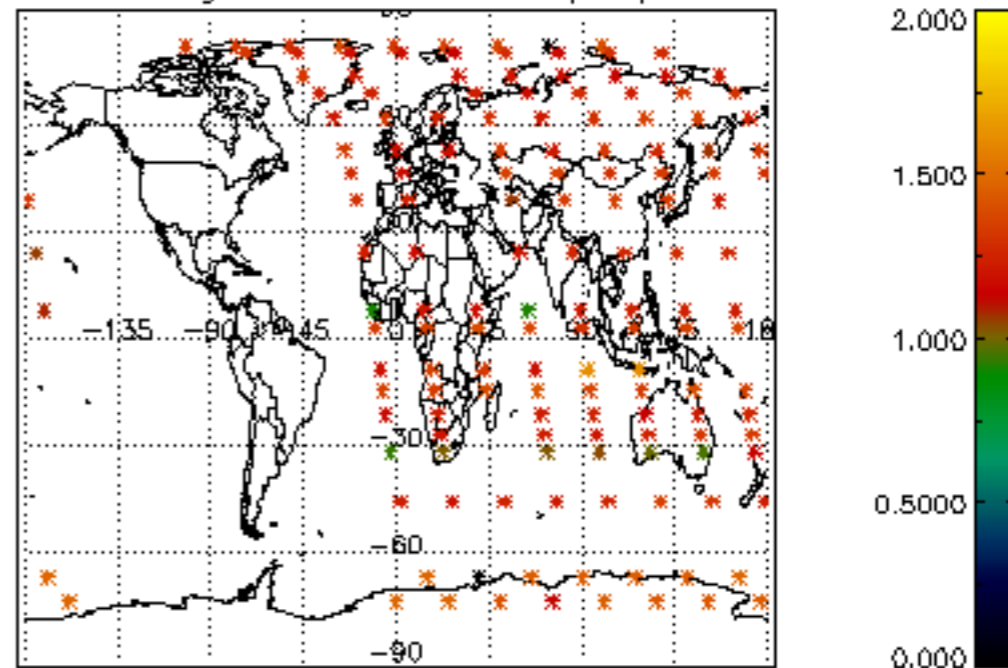




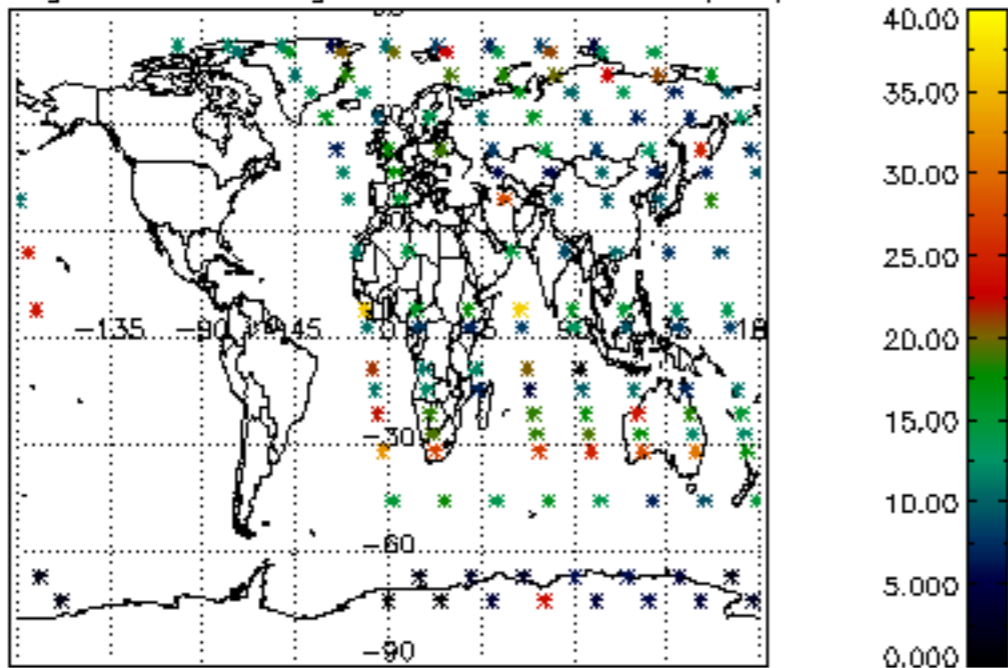
Percentage of cosmic ray hits per profile



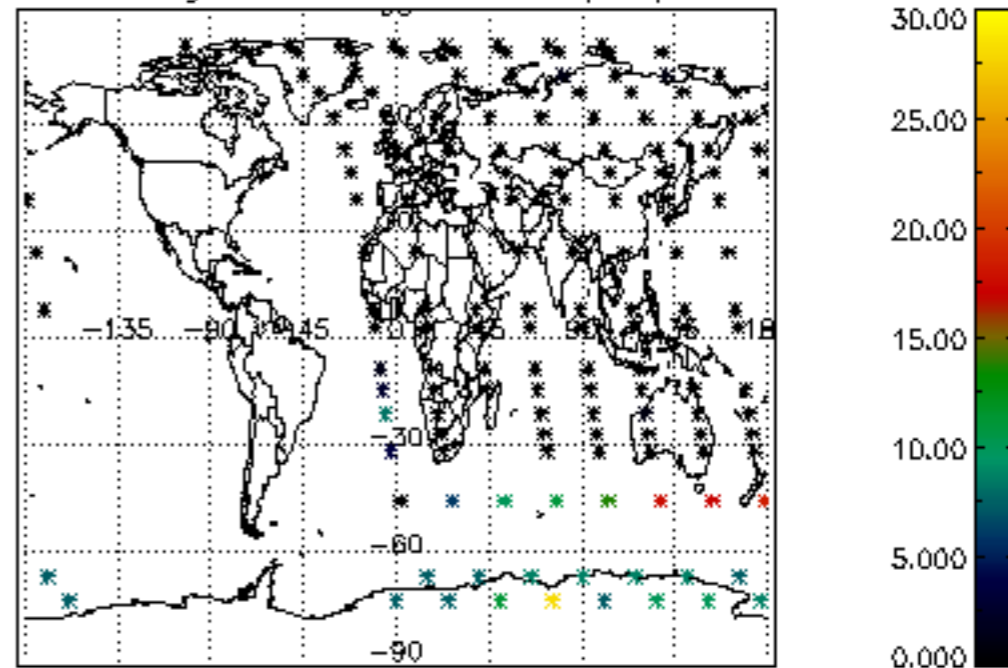
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

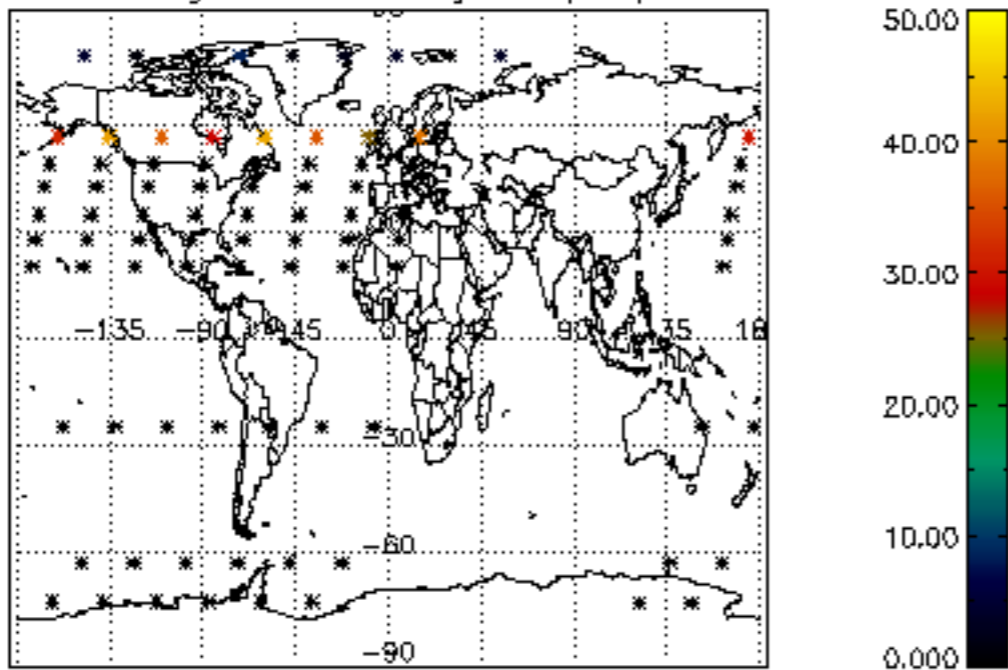


Percentage of saturation errors per profile

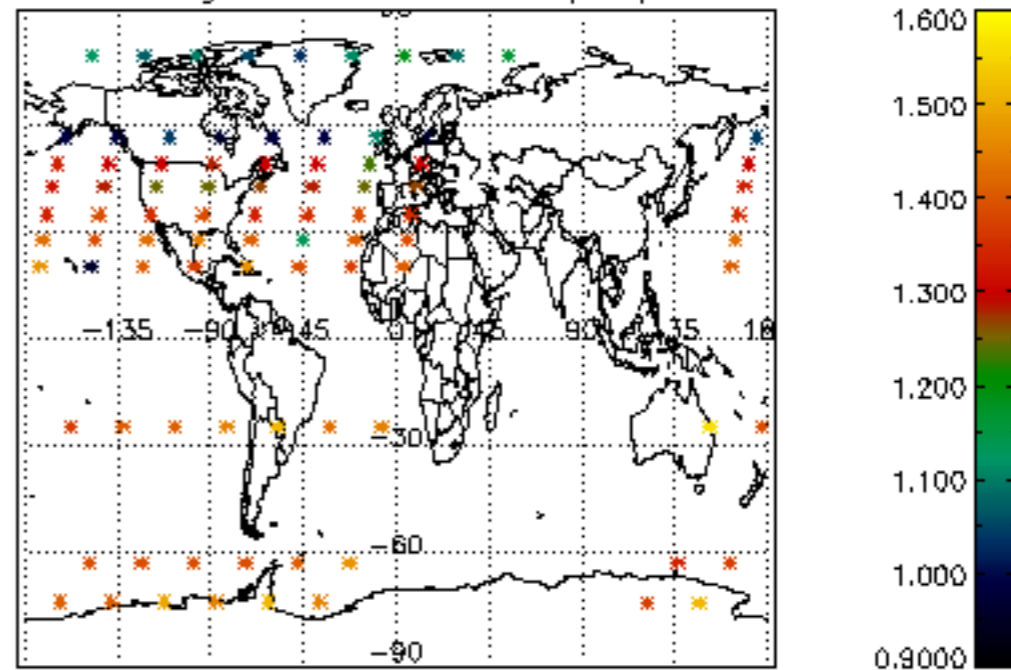




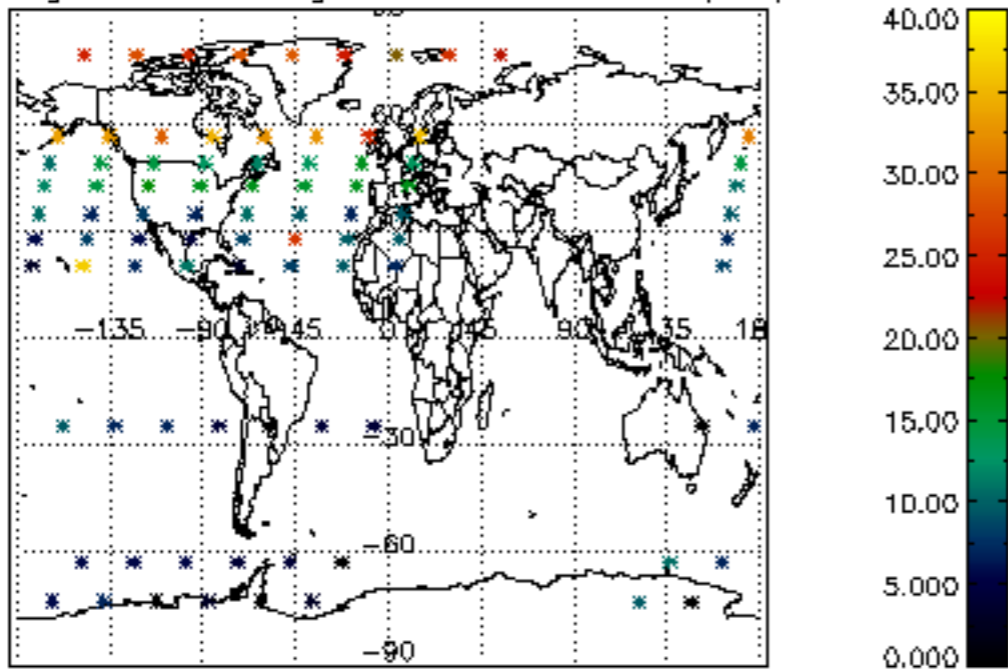
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

