

# 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	19APR2013 07:18:36
Data source version	GOMOS/6.01
Start time of products	27-07-2004 (27JUL2004 00:00:00)
Stop time of products	28-07-2004 (28JUL2004 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	497
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__2PRFIN20040727_000249_000000422029_00002_12581_3255.N1	27-JUL-2004 00:02:49	Bright	42.000	38	20Eps Sgr	1.8360	11000.	84	12581	No
2	GOM_NL__2PRFIN20040727_000444_000000402029_00002_12581_3256.N1	27-JUL-2004 00:04:44	Bright	39.500	57	34Sig Sgr	2.0660	26000.	79	12581	No
3	GOM_NL__2PRFIN20040727_000622_000000592029_00002_12581_3257.N1	27-JUL-2004 00:06:22	Bright	58.500	142	49Del Cap	2.8500	8900.0	117	12581	No
4	GOM_NL__2PRFIN20040727_001100_000000602029_00002_12581_3258.N1	27-JUL-2004 00:11:00	Bright	60.000	154	22Bet Aqr	2.8990	5700.0	120	12581	No
5	GOM_NL__2PRFIN20040727_001443_000000422029_00002_12581_3259.N1	27-JUL-2004 00:14:43	Bright	41.500	11	53Alp Aql	0.76500	8000.0	83	12581	No
6	GOM_NL__2PRFIN20040727_001627_000000382029_00002_12581_3260.N1	27-JUL-2004 00:16:27	Bright	38.000	59	55Alp Oph	2.0800	8900.0	76	12581	No
7	GOM_NL__2PRFIN20040727_001844_000000692029_00002_12581_3261.N1	27-JUL-2004 00:18:44	Bright	69.000	61	8Eps Peg	2.1000	3900.0	138	12581	No
8	GOM_NL__2PRFIN20040727_002304_000000372029_00002_12581_3262.N1	27-JUL-2004 00:23:04	Bright	36.500	5	3Alp Lyr	0.033000	11000.	73	12581	No
9	GOM_NL__2PRFIN20040727_002459_000000412029_00002_12581_3263.N1	27-JUL-2004 00:24:59	Bright	41.000	66	37Gam Cyg	2.2080	5900.0	82	12581	No
10	GOM_NL__2PRFIN20040727_002643_000000432029_00002_12581_3264.N1	27-JUL-2004 00:26:43	Bright	43.000	69	33Gam Dra	2.2310	3800.0	86	12581	No
11	GOM_NL__2PRFIN20040727_003033_000000352029_00002_12581_3265.N1	27-JUL-2004 00:30:33	Bright	34.500	119	14Eta Dra	2.7270	4700.0	69	12581	No
12	GOM_NL__2PRFIN20040727_003220_000000422029_00002_12581_3266.N1	27-JUL-2004 00:32:20	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	12581	No
13	GOM_NL__2PRFIN20040727_003445_000000362029_00002_12581_3267.N1	27-JUL-2004 00:34:45	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	12581	No
14	GOM_NL__2PRFIN20040727_003737_000000382029_00002_12581_3268.N1	27-JUL-2004 00:37:37	Bright	37.500	49	1Alp UMi	1.9900	6300.0	75	12581	No
15	GOM_NL__2PRFIN20040727_003912_000000522029_00002_12581_3269.N1	27-JUL-2004 00:39:12	Bright	51.500	74	11Bet Cas	2.2680	6600.0	103	12581	No
16	GOM_NL__2PRFIN20040727_004101_000000492029_00002_12581_3270.N1	27-JUL-2004 00:41:01	Bright	49.000	76	27Gam Cas	2.3000	30000.	98	12581	No
17	GOM_NL__2PRFIN20040727_004700_000000462029_00002_12581_3271.N1	27-JUL-2004 00:47:00	Bright	46.000	160	23Gam Per	2.9300	4700.0	92	12581	No
18	GOM_NL__2PRFIN20040727_004834_000000482029_00002_12581_3272.N1	27-JUL-2004 00:48:34	Bright	47.500	35	33Alp Per	1.7950	6250.0	95	12581	No
19	GOM_NL__2PRFIN20040727_005008_000000752029_00002_12581_3273.N1	27-JUL-2004 00:50:08	Bright	75.000	73	57Gam1And	2.2600	13100.	150	12581	No
20	GOM_NL__2PRFIN20040727_005307_000001892029_00002_12581_3274.N1	27-JUL-2004 00:53:07	Straylight	189.00	53	43Bet And	2.0480	3300.0	378	12581	No
21	GOM_NL__2PRFIN20040727_005807_000000562029_00002_12581_3275.N1	27-JUL-2004 00:58:07	Dark	55.500	146	25Eta Tau	2.8730	15200.	111	12581	No
22	GOM_NL__2PRFIN20040727_005943_000000552029_00002_12581_3276.N1	27-JUL-2004 00:59:43	Dark	54.500	13	87Alp Tau	0.86700	3800.0	109	12581	No
23	GOM_NL__2PRFIN20040727_010146_000000432029_00002_12581_3277.N1	27-JUL-2004 01:01:46	Dark	43.000	27	24Gam Ori	1.6360	26000.	86	12581	No
24	GOM_NL__2PRFIN20040727_010341_000000432029_00002_12581_3278.N1	27-JUL-2004 01:03:41	Dark	43.000	30	46Eps Ori	1.6940	30000.	86	12581	No
25	GOM_NL__2PRFIN20040727_010603_000000512029_00002_12581_3279.N1	27-JUL-2004 01:06:03	Dark	50.500	7	19Bet Ori	0.10000	14000.	101	12581	No
26	GOM_NL__2PRFIN20040727_010744_000000392029_00002_12581_3280.N1	27-JUL-2004 01:07:44	Dark	39.000	47	2Bet CMa	1.9760	28000.	78	12581	No
27	GOM_NL__2PRFIN20040727_010911_000000422029_00002_12581_3281.N1	27-JUL-2004 01:09:11	Dark	41.500	139	9Bet Lep	2.8330	5600.0	83	12581	No
28	GOM_NL__2PRFIN20040727_011236_000000422029_00002_12581_3282.N1	27-JUL-2004 01:12:36	Dark	41.500	108	Alp Col	2.6520	15200.	83	12581	No
29	GOM_NL__2PRFIN20040727_011928_000000492029_00002_12581_3283.N1	27-JUL-2004 01:19:28	Dark	48.500	157	The1Eri	2.9060	9300.0	97	12581	No
30	GOM_NL__2PRFIN20040727_012515_000000462029_00003_12582_3249.N1	27-JUL-2004 01:25:15	Dark	45.500	9	Alp Eri	0.45300	24000.	91	12582	No
31	GOM_NL__2PRFIN20040727_012743_000000402029_00003_12582_3250.N1	27-JUL-2004 01:27:43	Dark	40.000	135	Bet Hyi	2.8200	5800.0	80	12582	No
32	GOM_NL__2PRFIN20040727_012932_000000582029_00003_12582_3251.N1	27-JUL-2004 01:29:32	Straylight	58.000	84	Alp Phe	2.3970	4500.0	116	12582	No
33	GOM_NL__2PRFIN20040727_013222_000000442029_00003_12582_3252.N1	27-JUL-2004 01:32:22	Straylight	44.000	148	Alp Tuc	2.8780	4100.0	88	12582	No
34	GOM_NL__2PRFIN20040727_013536_000000502029_00003_12582_3253.N1	27-JUL-2004 01:35:36	Straylight	49.500	31	Alp Gru	1.7340	15200.	99	12582	No
35	GOM_NL__2PRFIN20040727_013856_000000742029_00003_12582_3254.N1	27-JUL-2004 01:38:56	Twi_and_stray	73.500	18	24Alp PsA	1.1660	9700.0	147	12582	No
36	GOM_NL__2PRFIN20040727_014325_000000452029_00003_12582_3255.N1	27-JUL-2004 01:43:25	Bright	44.500	38	20Eps Sgr	1.8360	11000.	89	12582	No
37	GOM_NL__2PRFIN20040727_014520_000000392029_00003_12582_3256.N1	27-JUL-2004 01:45:20	Bright	38.500	57	34Sig Sgr	2.0660	26000.	77	12582	No
38	GOM_NL__2PRFIN20040727_014658_000000612029_00003_12582_3257.N1	27-JUL-2004 01:46:58	Bright	60.500	142	49Del Cap	2.8500	8900.0	121	12582	No
39	GOM_NL__2PRFIN20040727_015136_000000612029_00003_12582_3258.N1	27-JUL-2004 01:51:36	Bright	60.500	154	22Bet Aqr	2.8990	5700.0	121	12582	No
40	GOM_NL__2PRFIN20040727_015520_000000402029_00003_12582_3259.N1	27-JUL-2004 01:55:20	Bright	40.000	11	53Alp Aql	0.76500	8000.0	80	12582	No
41	GOM_NL__2PRFIN20040727_015703_000000402029_00003_12582_3260.N1	27-JUL-2004 01:57:03	Bright	39.500	59	55Alp Oph	2.0800	8900.0	79	12582	No
42	GOM_NL__2PRFIN20040727_015918_000000772029_00003_12582_3261.N1	27-JUL-2004 01:59:18	Bright	76.500	61	8Eps Peg	2.1000	3900.0	153	12582	No















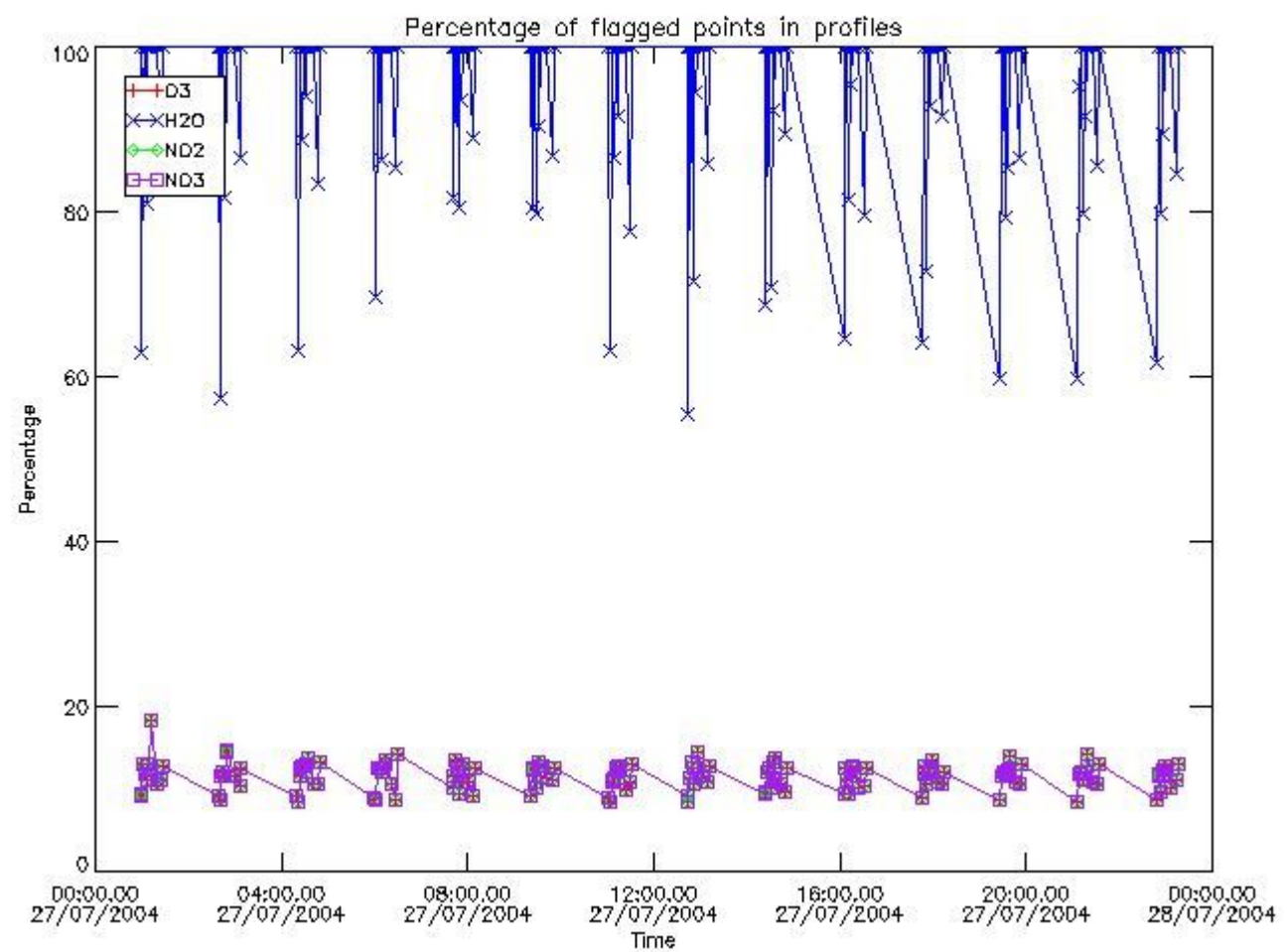


456	GOM_NL__2PRFIN20040727_220230_000000402029_00015_12594_3281.N1	27-JUL-2004 22:02:30	Bright	40.000	11	53Alp Aql	0.76500	8000.0	80	12594	No
457	GOM_NL__2PRFIN20040727_220417_000000372029_00015_12594_3282.N1	27-JUL-2004 22:04:17	Bright	36.500	59	55Alp Oph	2.0800	8900.0	73	12594	No
458	GOM_NL__2PRFIN20040727_220615_000000682029_00015_12594_3283.N1	27-JUL-2004 22:06:15	Bright	67.500	61	8Eps Peg	2.1000	3900.0	135	12594	No
459	GOM_NL__2PRFIN20040727_221052_000000412029_00015_12594_3284.N1	27-JUL-2004 22:10:52	Bright	40.500	5	3Alp Lyr	0.033000	11000.	81	12594	No
460	GOM_NL__2PRFIN20040727_221240_000000432029_00015_12594_3285.N1	27-JUL-2004 22:12:40	Bright	42.500	66	37Gam Cyg	2.2080	5900.0	85	12594	No
461	GOM_NL__2PRFIN20040727_221434_000000412029_00015_12594_3286.N1	27-JUL-2004 22:14:34	Bright	40.500	69	33Gam Dra	2.2310	3800.0	81	12594	No
462	GOM_NL__2PRFIN20040727_221824_000000402029_00015_12594_3287.N1	27-JUL-2004 22:18:24	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	12594	No
463	GOM_NL__2PRFIN20040727_222001_000000422029_00015_12594_3288.N1	27-JUL-2004 22:20:01	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	12594	No
464	GOM_NL__2PRFIN20040727_222236_000000362029_00015_12594_3289.N1	27-JUL-2004 22:22:36	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	12594	No
465	GOM_NL__2PRFIN20040727_222526_000000362029_00015_12594_3290.N1	27-JUL-2004 22:25:26	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	12594	No
466	GOM_NL__2PRFIN20040727_222839_000000512029_00015_12594_3291.N1	27-JUL-2004 22:28:39	Bright	50.500	76	27Gam Cas	2.3000	30000.	101	12594	No
467	GOM_NL__2PRFIN20040727_223443_000000612029_00015_12594_3292.N1	27-JUL-2004 22:34:43	Bright	61.000	160	23Gam Per	2.9300	4700.0	122	12594	No
468	GOM_NL__2PRFIN20040727_223749_000000772029_00015_12594_3293.N1	27-JUL-2004 22:37:49	Bright	76.500	73	57Gam1And	2.2600	13100.	153	12594	No
469	GOM_NL__2PRFIN20040727_224003_000000452029_00015_12594_3294.N1	27-JUL-2004 22:40:03	Bright	45.000	149	45Eps Per	2.8880	30000.	90	12594	No
470	GOM_NL__2PRFIN20040727_224258_000000532029_00015_12594_3295.N1	27-JUL-2004 22:42:58	Tw_i_and_stray	53.000	150	44Zet Per	2.8900	28000.	106	12594	No
471	GOM_NL__2PRFIN20040727_224510_000000442029_00015_12594_3296.N1	27-JUL-2004 22:45:10	Tw_i_and_stray	44.000	176	23Zet Tau	3.0200	22000.	88	12594	No
472	GOM_NL__2PRFIN20040727_224734_000000582029_00015_12594_3297.N1	27-JUL-2004 22:47:34	Dark	58.000	13	87Alp Tau	0.86700	3800.0	116	12594	No
473	GOM_NL__2PRFIN20040727_224937_000000432029_00015_12594_3298.N1	27-JUL-2004 22:49:37	Dark	43.000	27	24Gam Ori	1.6360	26000.	86	12594	No
474	GOM_NL__2PRFIN20040727_225132_000000442029_00015_12594_3299.N1	27-JUL-2004 22:51:32	Dark	44.000	30	46Eps Ori	1.6940	30000.	88	12594	No
475	GOM_NL__2PRFIN20040727_225355_000000532029_00015_12594_3300.N1	27-JUL-2004 22:53:55	Dark	52.500	7	19Bet Ori	0.10000	14000.	105	12594	No
476	GOM_NL__2PRFIN20040727_225532_000000422029_00015_12594_3301.N1	27-JUL-2004 22:55:32	Dark	41.500	47	2Bet CMa	1.9760	28000.	83	12594	No
477	GOM_NL__2PRFIN20040727_225702_000000432029_00015_12594_3302.N1	27-JUL-2004 22:57:02	Dark	43.000	139	9Bet Lep	2.8330	5600.0	86	12594	No
478	GOM_NL__2PRFIN20040727_225855_000000402029_00015_12594_3303.N1	27-JUL-2004 22:58:55	Dark	40.000	177	1Zet CMa	3.0220	26000.	80	12594	No
479	GOM_NL__2PRFIN20040727_230023_000000422029_00015_12594_3304.N1	27-JUL-2004 23:00:23	Dark	41.500	108	Alp Col	2.6520	15200.	83	12594	No
480	GOM_NL__2PRFIN20040727_230724_000000512029_00015_12594_3305.N1	27-JUL-2004 23:07:24	Dark	50.500	157	The1Eri	2.9060	9300.0	101	12594	No
481	GOM_NL__2PRFIN20040727_231311_000000462029_00016_12595_3272.N1	27-JUL-2004 23:13:11	Dark	45.500	9	Alp Eri	0.45300	24000.	91	12595	No
482	GOM_NL__2PRFIN20040727_231533_000000392029_00016_12595_3273.N1	27-JUL-2004 23:15:33	Dark	39.000	135	Bet Hyi	2.8200	5800.0	78	12595	No
483	GOM_NL__2PRFIN20040727_231734_000000612029_00016_12595_3274.N1	27-JUL-2004 23:17:34	Straylight	60.500	84	Alp Phe	2.3970	4500.0	121	12595	No
484	GOM_NL__2PRFIN20040727_232015_000000442029_00016_12595_3275.N1	27-JUL-2004 23:20:15	Straylight	43.500	148	Alp Tuc	2.8780	4100.0	87	12595	No
485	GOM_NL__2PRFIN20040727_232331_000000532029_00016_12595_3276.N1	27-JUL-2004 23:23:31	Straylight	52.500	31	Alp Gru	1.7340	15200.	105	12595	No
486	GOM_NL__2PRFIN20040727_232652_000000772029_00016_12595_3277.N1	27-JUL-2004 23:26:52	Tw_i_and_stray	76.500	18	24Alp PsA	1.1660	9700.0	153	12595	No
487	GOM_NL__2PRFIN20040727_233114_000000432029_00016_12595_3278.N1	27-JUL-2004 23:31:14	Bright	42.500	38	20Eps Sgr	1.8360	11000.	85	12595	No
488	GOM_NL__2PRFIN20040727_233308_000000412029_00016_12595_3279.N1	27-JUL-2004 23:33:08	Bright	40.500	57	34Sig Sgr	2.0660	26000.	81	12595	No
489	GOM_NL__2PRFIN20040727_233443_000000622029_00016_12595_3280.N1	27-JUL-2004 23:34:43	Bright	61.500	142	49Del Cap	2.8500	8900.0	123	12595	No
490	GOM_NL__2PRFIN20040727_233918_000000602029_00016_12595_3281.N1	27-JUL-2004 23:39:18	Bright	59.500	154	22Bet Aqr	2.8990	5700.0	119	12595	No
491	GOM_NL__2PRFIN20040727_234305_000000412029_00016_12595_3282.N1	27-JUL-2004 23:43:05	Bright	40.500	11	53Alp Aql	0.76500	8000.0	81	12595	No
492	GOM_NL__2PRFIN20040727_234453_000000382029_00016_12595_3283.N1	27-JUL-2004 23:44:53	Bright	37.500	59	55Alp Oph	2.0800	8900.0	75	12595	No
493	GOM_NL__2PRFIN20040727_234649_000000672029_00016_12595_3284.N1	27-JUL-2004 23:46:49	Bright	67.000	61	8Eps Peg	2.1000	3900.0	134	12595	No
494	GOM_NL__2PRFIN20040727_235129_000000362029_00016_12595_3285.N1	27-JUL-2004 23:51:29	Bright	35.500	5	3Alp Lyr	0.033000	11000.	71	12595	No
495	GOM_NL__2PRFIN20040727_235315_000000442029_00016_12595_3286.N1	27-JUL-2004 23:53:15	Bright	44.000	66	37Gam Cyg	2.2080	5900.0	88	12595	No
496	GOM_NL__2PRFIN20040727_235511_000000402029_00016_12595_3287.N1	27-JUL-2004 23:55:11	Bright	39.500	69	33Gam Dra	2.2310	3800.0	79	12595	No
497	GOM_NL__2PRFIN20040727_235900_000000352029_00016_12595_3288.N1	27-JUL-2004 23:59:00	Bright	35.000	119	14Eta Dra	2.7270	4700.0	70	12595	No

### 3. Quality information per product

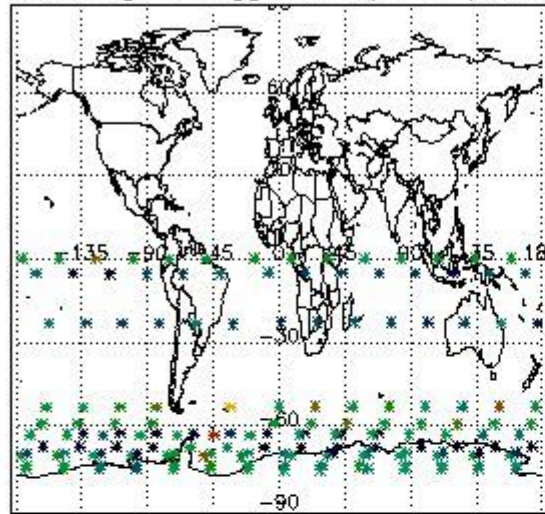
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

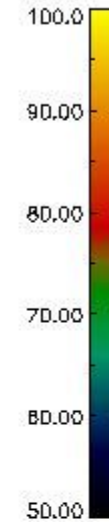
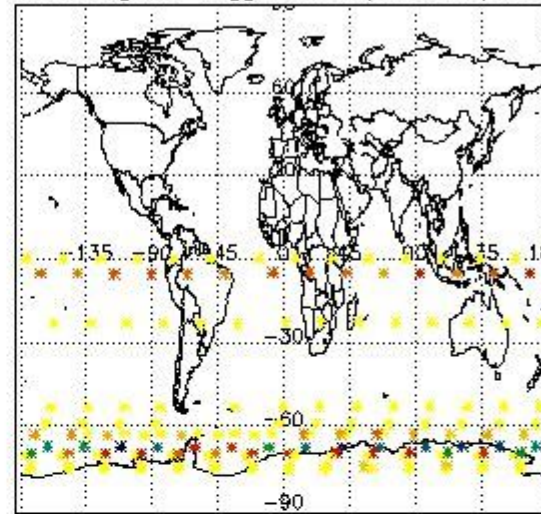


3.2 Plot quality information per product (world map)

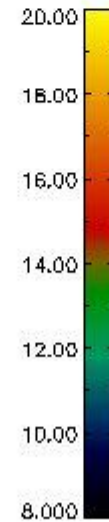
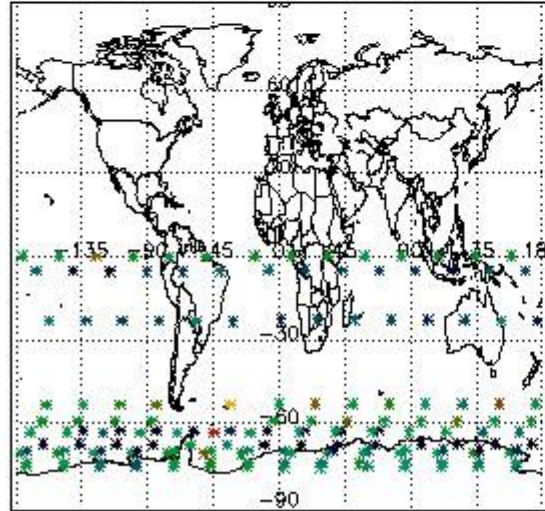
Percentage of flagged data per O3 profile



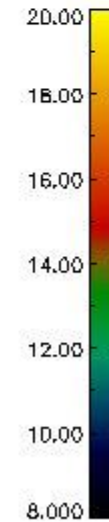
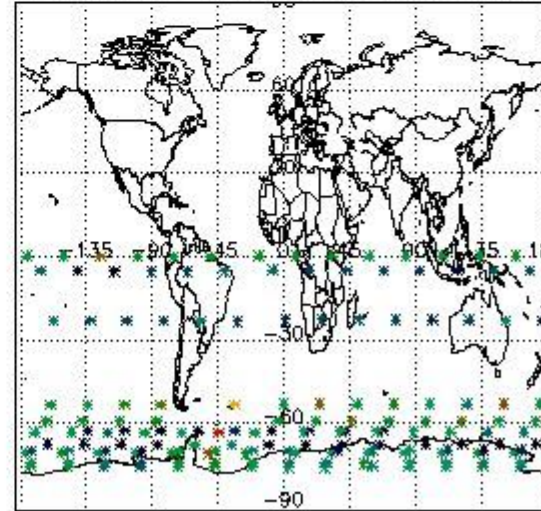
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

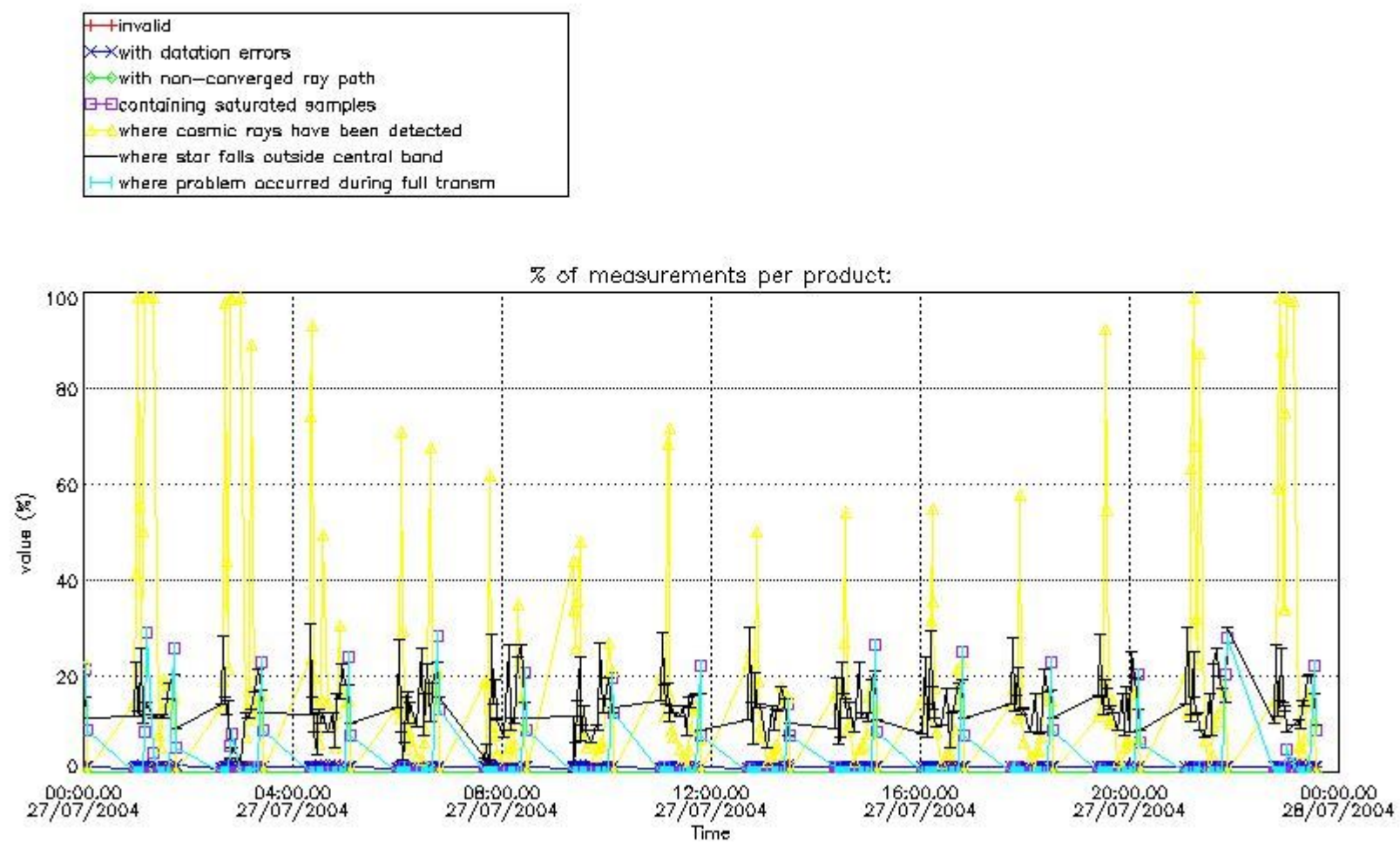


#### 4. Level 1 quality information per product

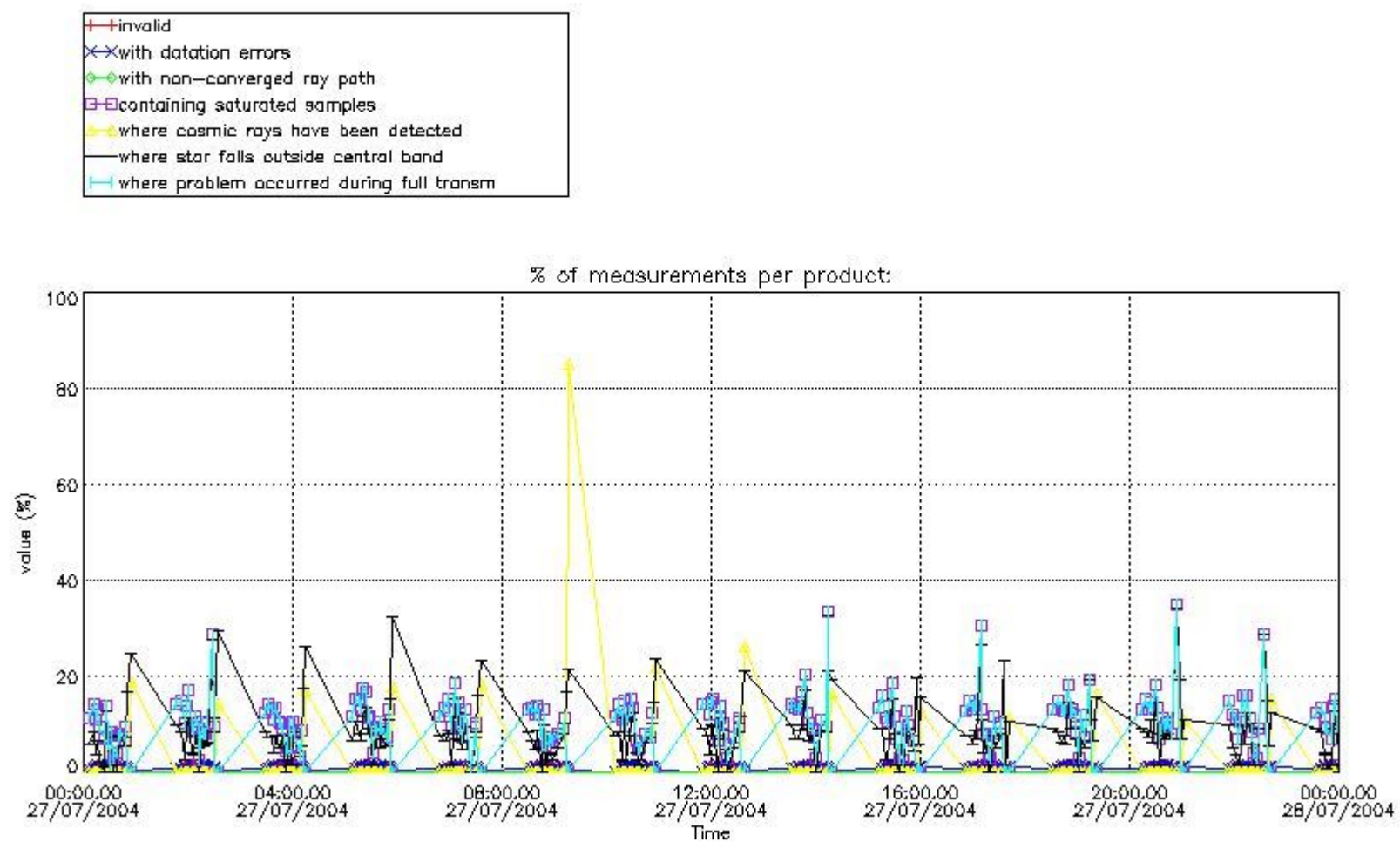
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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

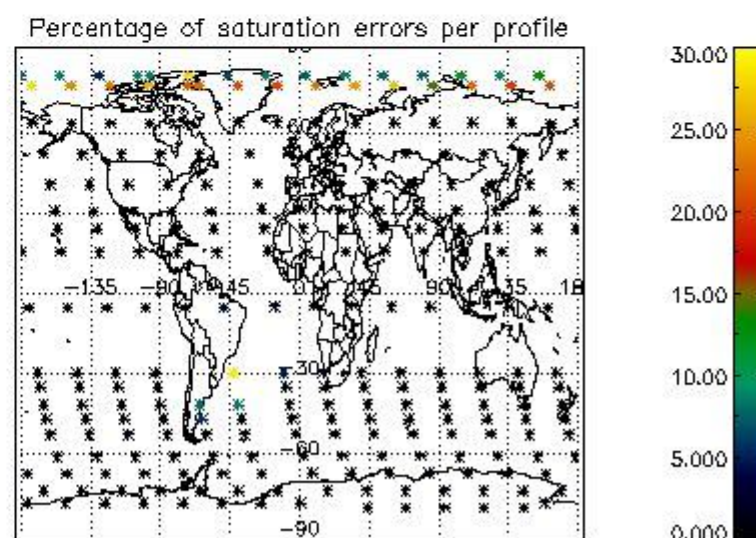
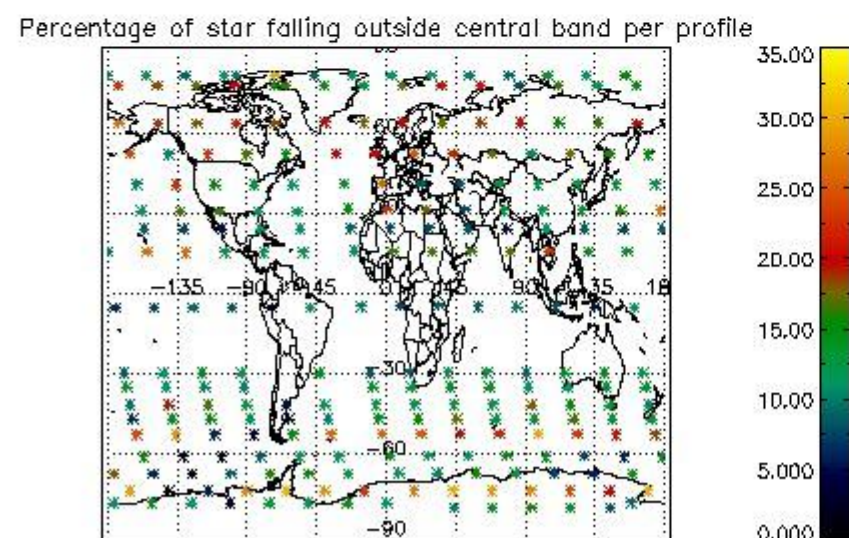
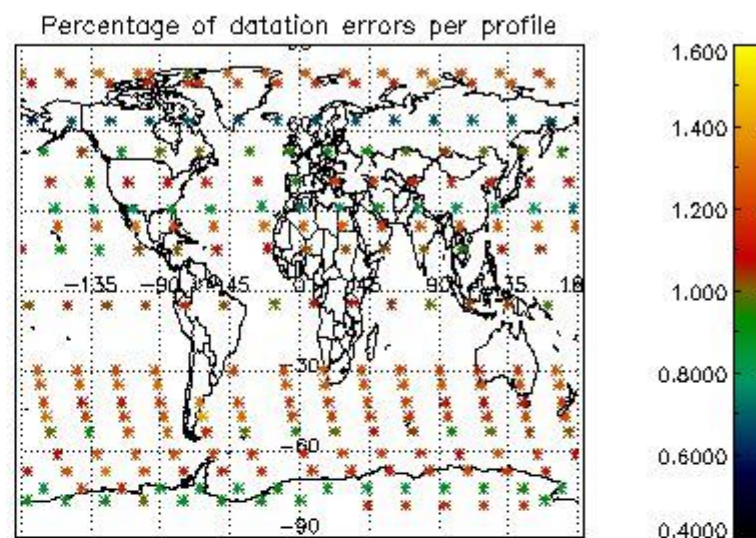
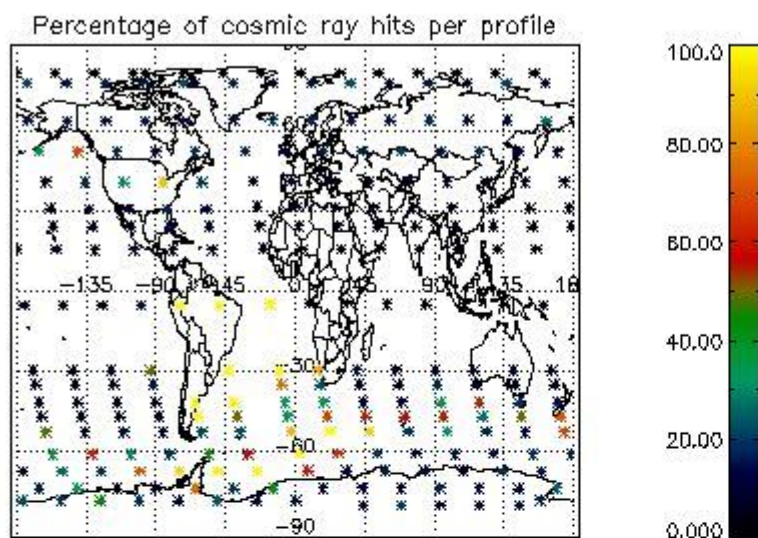


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

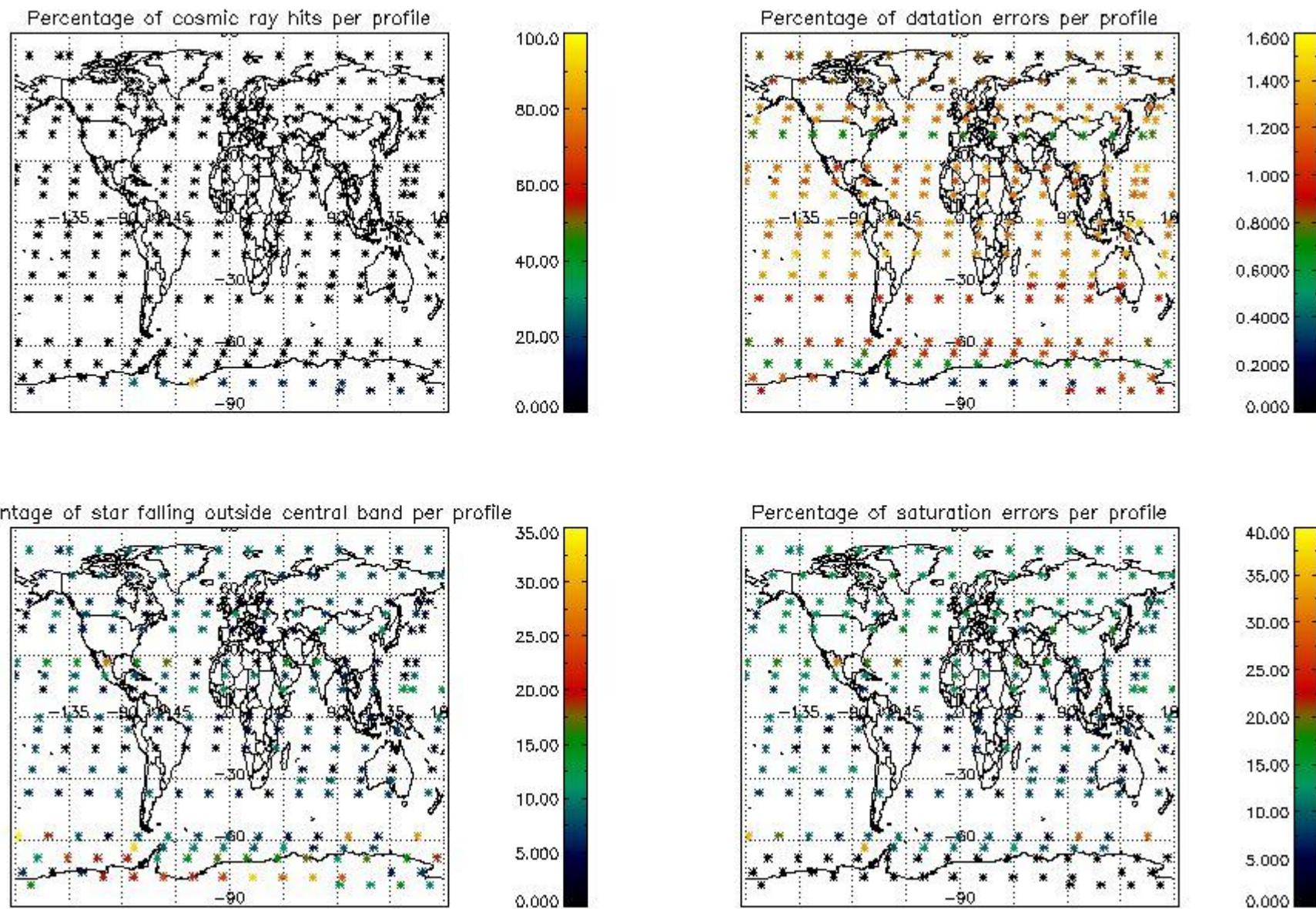


*4.2 Plot quality information per product coming from level 1b processing (world map)*

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



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



## 5. Trace gas profiles

### 5.1 Ozone statistics based on quality of products

The final quality of the products can be "measured" using the STD (Standard Deviation) attached to every point profile. This information is written to the parameter GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/o3\_std of the level 2 products. The table below shows the statistics for given STD ranges.

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

- Products without fatal errors: GOM\_NL\_\_2P/MPH/PRODUCT\_ERR=0
- Valid point profile: GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/pcd(0)=0

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

- Products in dark limb illumination condition: GOM\_NL\_\_2P/NL\_SUMMARY\_QUALITY/obs\_ill\_cond=0
- Products without fatal errors: GOM\_NL\_\_2P/MPH/PRODUCT\_ERR=0
- Valid point profile: GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/pcd(0)=0

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

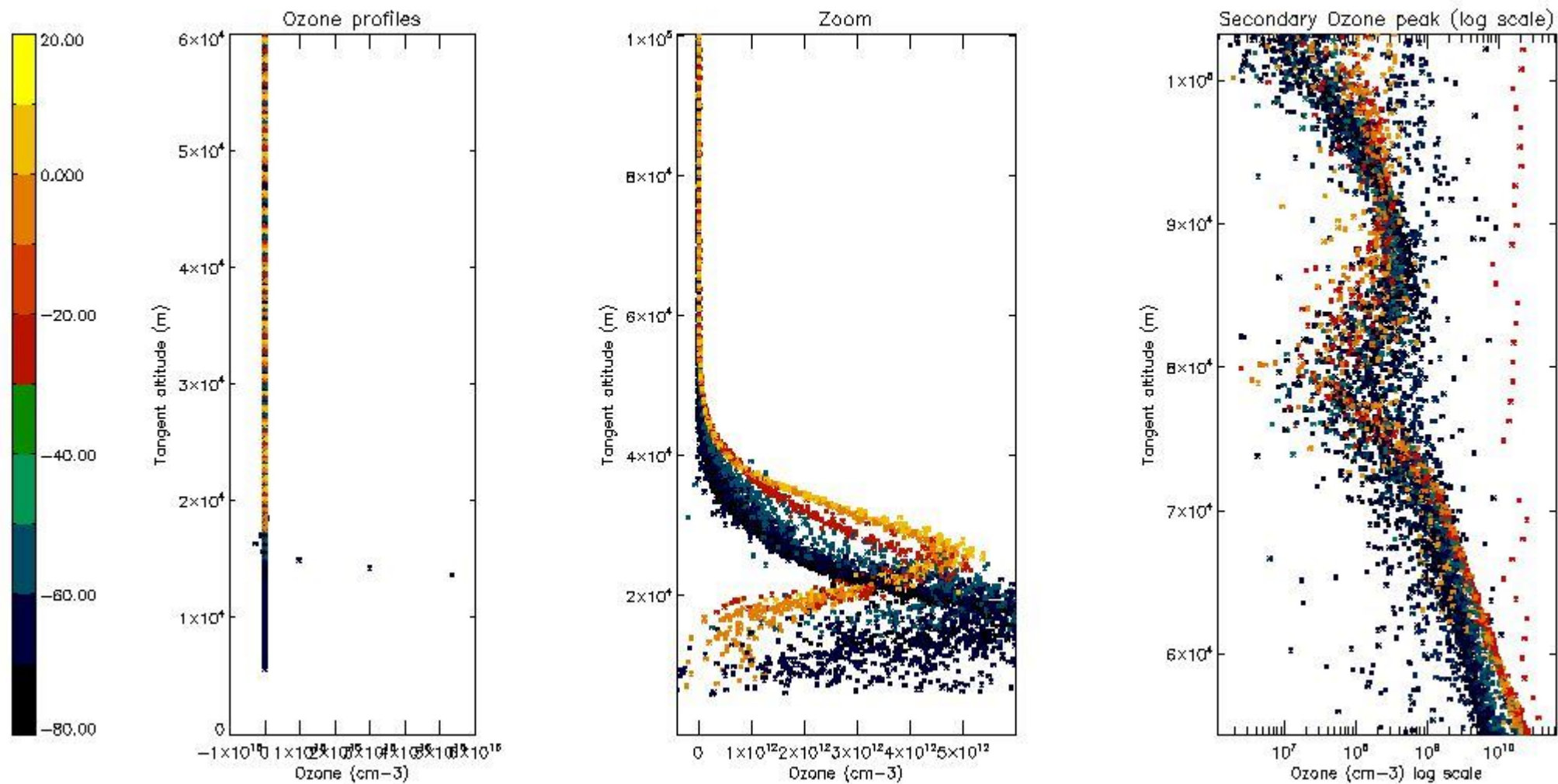
Criteria	% of total production
All STD	29
STD < 20	17



STD < 10	14
STD < 5	10

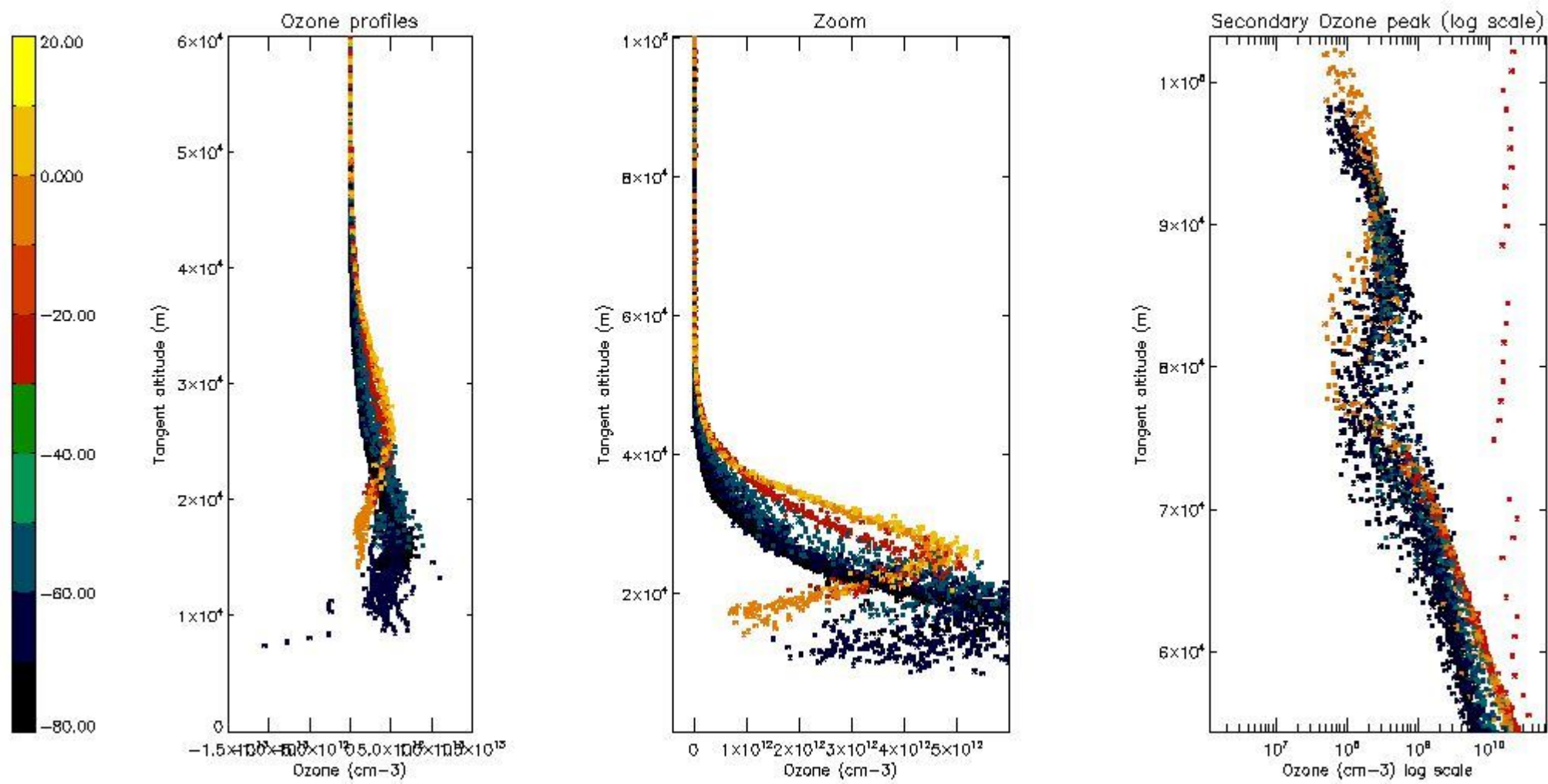
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



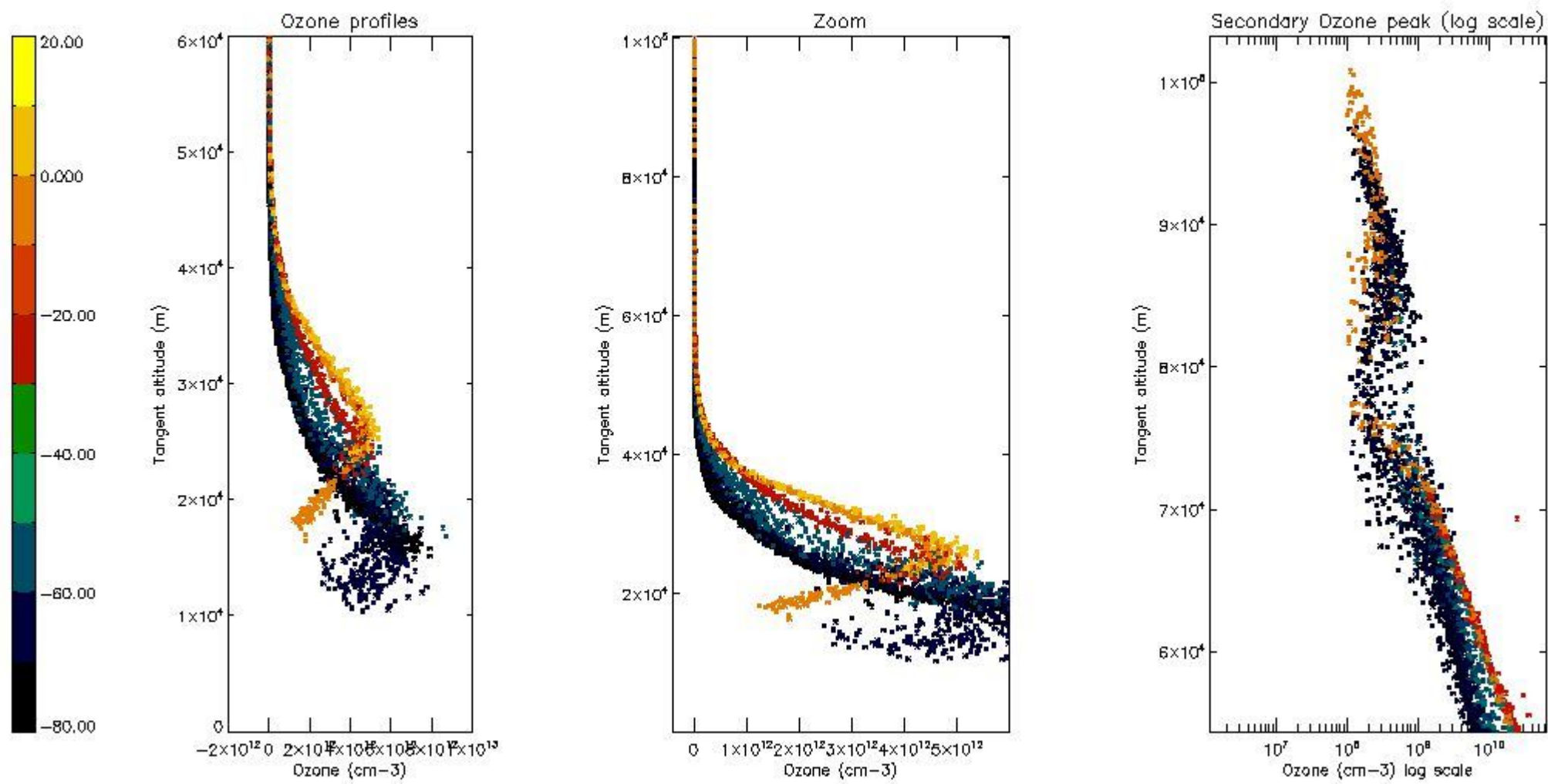
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



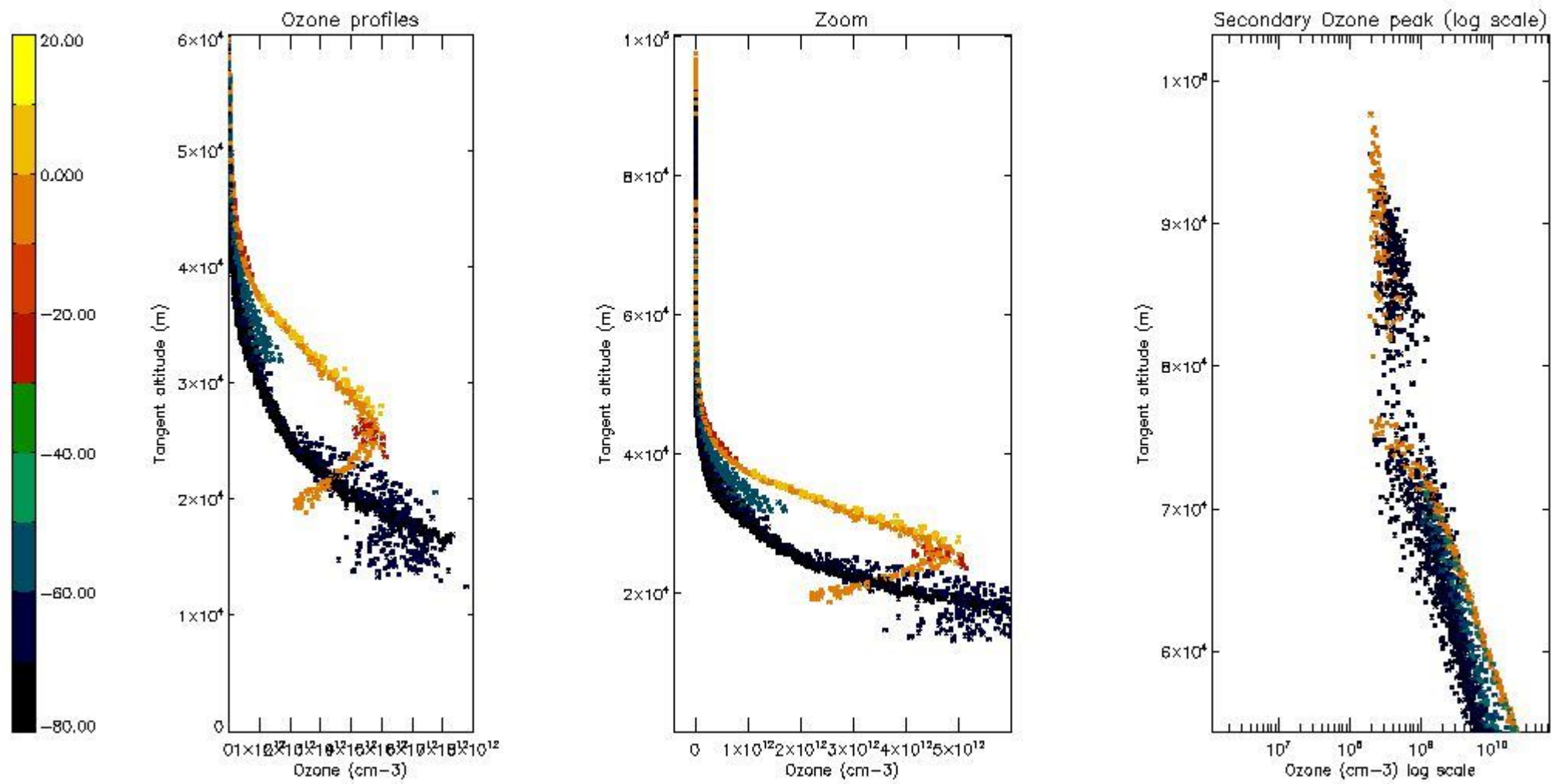
*5.4 Plot ozone profiles where STD < 10% (dark without errors)*

The colorbar represents the latitude.



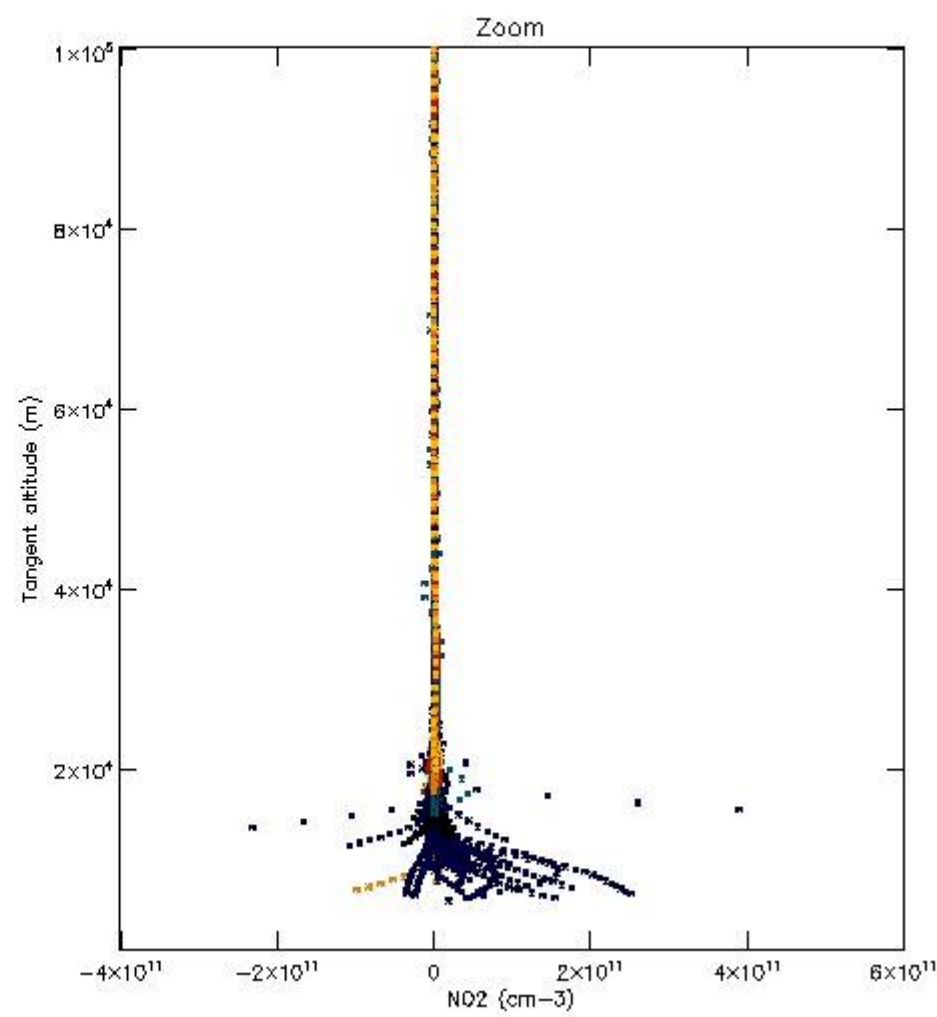
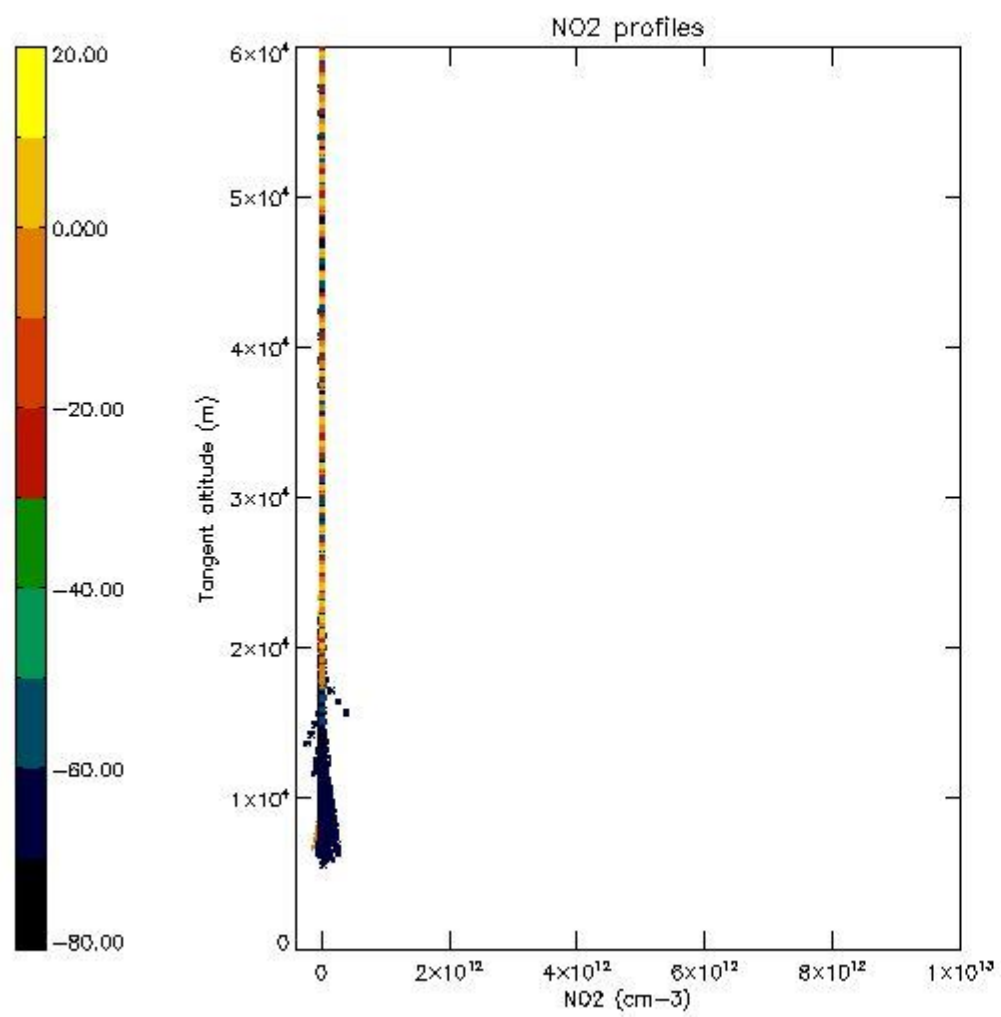
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



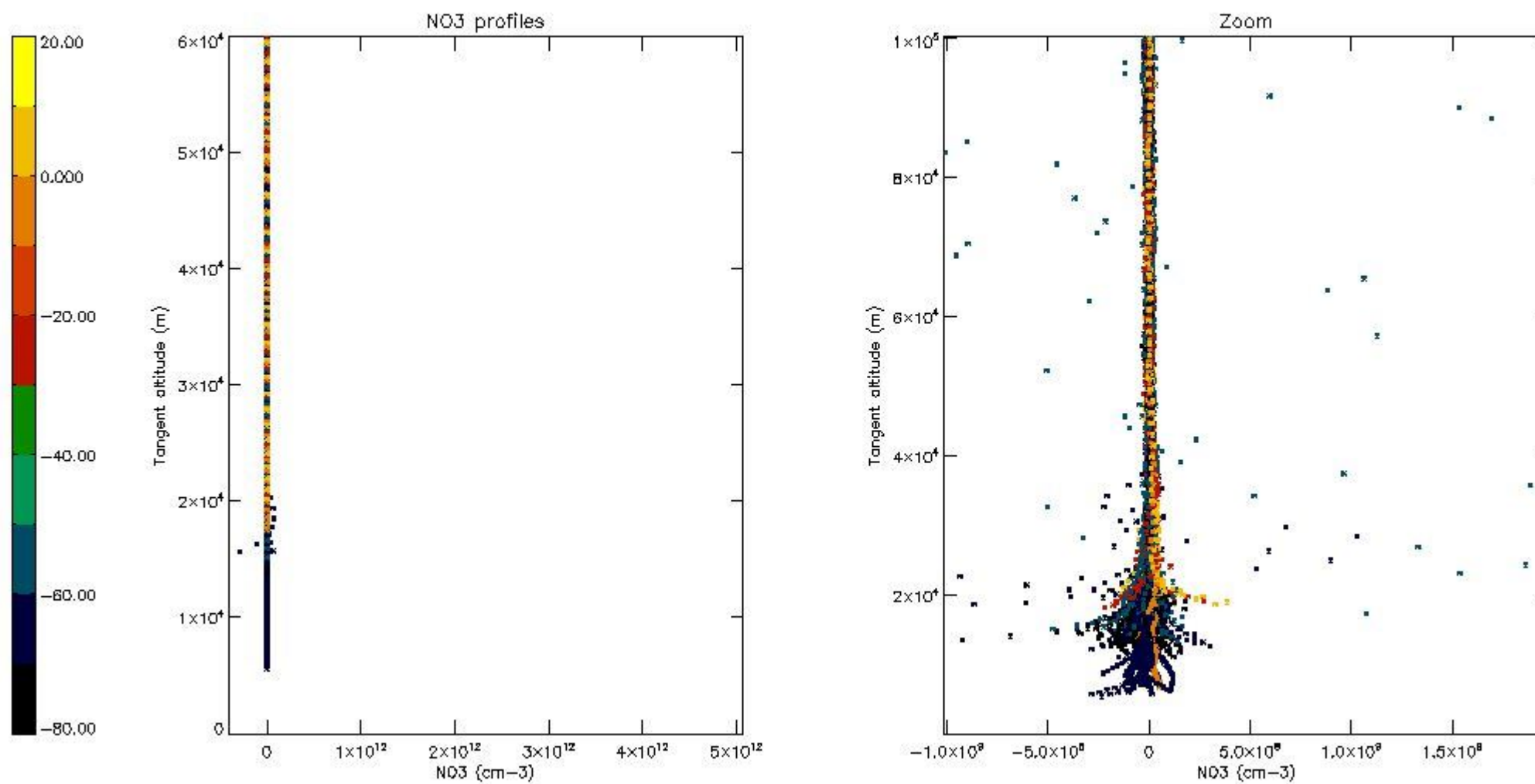
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



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

The colorbar represents the latitude.



## 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	27-JUL-2004 00:02:49
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	27-JUL-2004 00:02:49
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	27-JUL-2004 00:02:49

# 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	19APR2013 07:18:36
Data source version	GOMOS/6.01
Start time of products	27-07-2004 (27JUL2004 00:00:00)
Stop time of products	28-07-2004 (28JUL2004 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	497
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__2PRFIN20040727_000249_000000422029_00002_12581_3255.N1	27-JUL-2004 00:02:49	Bright	42.000	38	20Eps Sgr	1.8360	11000.	84	12581	No
2	GOM_NL__2PRFIN20040727_000444_000000402029_00002_12581_3256.N1	27-JUL-2004 00:04:44	Bright	39.500	57	34Sig Sgr	2.0660	26000.	79	12581	No
3	GOM_NL__2PRFIN20040727_000622_000000592029_00002_12581_3257.N1	27-JUL-2004 00:06:22	Bright	58.500	142	49Del Cap	2.8500	8900.0	117	12581	No
4	GOM_NL__2PRFIN20040727_001100_000000602029_00002_12581_3258.N1	27-JUL-2004 00:11:00	Bright	60.000	154	22Bet Aqr	2.8990	5700.0	120	12581	No
5	GOM_NL__2PRFIN20040727_001443_000000422029_00002_12581_3259.N1	27-JUL-2004 00:14:43	Bright	41.500	11	53Alp Aql	0.76500	8000.0	83	12581	No
6	GOM_NL__2PRFIN20040727_001627_000000382029_00002_12581_3260.N1	27-JUL-2004 00:16:27	Bright	38.000	59	55Alp Oph	2.0800	8900.0	76	12581	No
7	GOM_NL__2PRFIN20040727_001844_000000692029_00002_12581_3261.N1	27-JUL-2004 00:18:44	Bright	69.000	61	8Eps Peg	2.1000	3900.0	138	12581	No
8	GOM_NL__2PRFIN20040727_002304_000000372029_00002_12581_3262.N1	27-JUL-2004 00:23:04	Bright	36.500	5	3Alp Lyr	0.033000	11000.	73	12581	No
9	GOM_NL__2PRFIN20040727_002459_000000412029_00002_12581_3263.N1	27-JUL-2004 00:24:59	Bright	41.000	66	37Gam Cyg	2.2080	5900.0	82	12581	No
10	GOM_NL__2PRFIN20040727_002643_000000432029_00002_12581_3264.N1	27-JUL-2004 00:26:43	Bright	43.000	69	33Gam Dra	2.2310	3800.0	86	12581	No
11	GOM_NL__2PRFIN20040727_003033_000000352029_00002_12581_3265.N1	27-JUL-2004 00:30:33	Bright	34.500	119	14Eta Dra	2.7270	4700.0	69	12581	No
12	GOM_NL__2PRFIN20040727_003220_000000422029_00002_12581_3266.N1	27-JUL-2004 00:32:20	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	12581	No
13	GOM_NL__2PRFIN20040727_003445_000000362029_00002_12581_3267.N1	27-JUL-2004 00:34:45	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	12581	No
14	GOM_NL__2PRFIN20040727_003737_000000382029_00002_12581_3268.N1	27-JUL-2004 00:37:37	Bright	37.500	49	1Alp UMi	1.9900	6300.0	75	12581	No
15	GOM_NL__2PRFIN20040727_003912_000000522029_00002_12581_3269.N1	27-JUL-2004 00:39:12	Bright	51.500	74	11Bet Cas	2.2680	6600.0	103	12581	No
16	GOM_NL__2PRFIN20040727_004101_000000492029_00002_12581_3270.N1	27-JUL-2004 00:41:01	Bright	49.000	76	27Gam Cas	2.3000	30000.	98	12581	No
17	GOM_NL__2PRFIN20040727_004700_000000462029_00002_12581_3271.N1	27-JUL-2004 00:47:00	Bright	46.000	160	23Gam Per	2.9300	4700.0	92	12581	No
18	GOM_NL__2PRFIN20040727_004834_000000482029_00002_12581_3272.N1	27-JUL-2004 00:48:34	Bright	47.500	35	33Alp Per	1.7950	6250.0	95	12581	No
19	GOM_NL__2PRFIN20040727_005008_000000752029_00002_12581_3273.N1	27-JUL-2004 00:50:08	Bright	75.000	73	57Gam1And	2.2600	13100.	150	12581	No
20	GOM_NL__2PRFIN20040727_005307_000001892029_00002_12581_3274.N1	27-JUL-2004 00:53:07	Straylight	189.00	53	43Bet And	2.0480	3300.0	378	12581	No
21	GOM_NL__2PRFIN20040727_005807_000000562029_00002_12581_3275.N1	27-JUL-2004 00:58:07	Dark	55.500	146	25Eta Tau	2.8730	15200.	111	12581	No
22	GOM_NL__2PRFIN20040727_005943_000000552029_00002_12581_3276.N1	27-JUL-2004 00:59:43	Dark	54.500	13	87Alp Tau	0.86700	3800.0	109	12581	No
23	GOM_NL__2PRFIN20040727_010146_000000432029_00002_12581_3277.N1	27-JUL-2004 01:01:46	Dark	43.000	27	24Gam Ori	1.6360	26000.	86	12581	No
24	GOM_NL__2PRFIN20040727_010341_000000432029_00002_12581_3278.N1	27-JUL-2004 01:03:41	Dark	43.000	30	46Eps Ori	1.6940	30000.	86	12581	No
25	GOM_NL__2PRFIN20040727_010603_000000512029_00002_12581_3279.N1	27-JUL-2004 01:06:03	Dark	50.500	7	19Bet Ori	0.10000	14000.	101	12581	No
26	GOM_NL__2PRFIN20040727_010744_000000392029_00002_12581_3280.N1	27-JUL-2004 01:07:44	Dark	39.000	47	2Bet CMa	1.9760	28000.	78	12581	No
27	GOM_NL__2PRFIN20040727_010911_000000422029_00002_12581_3281.N1	27-JUL-2004 01:09:11	Dark	41.500	139	9Bet Lep	2.8330	5600.0	83	12581	No
28	GOM_NL__2PRFIN20040727_011236_000000422029_00002_12581_3282.N1	27-JUL-2004 01:12:36	Dark	41.500	108	Alp Col	2.6520	15200.	83	12581	No
29	GOM_NL__2PRFIN20040727_011928_000000492029_00002_12581_3283.N1	27-JUL-2004 01:19:28	Dark	48.500	157	The1Eri	2.9060	9300.0	97	12581	No
30	GOM_NL__2PRFIN20040727_012515_000000462029_00003_12582_3249.N1	27-JUL-2004 01:25:15	Dark	45.500	9	Alp Eri	0.45300	24000.	91	12582	No
31	GOM_NL__2PRFIN20040727_012743_000000402029_00003_12582_3250.N1	27-JUL-2004 01:27:43	Dark	40.000	135	Bet Hyi	2.8200	5800.0	80	12582	No
32	GOM_NL__2PRFIN20040727_012932_000000582029_00003_12582_3251.N1	27-JUL-2004 01:29:32	Straylight	58.000	84	Alp Phe	2.3970	4500.0	116	12582	No
33	GOM_NL__2PRFIN20040727_013222_000000442029_00003_12582_3252.N1	27-JUL-2004 01:32:22	Straylight	44.000	148	Alp Tuc	2.8780	4100.0	88	12582	No
34	GOM_NL__2PRFIN20040727_013536_000000502029_00003_12582_3253.N1	27-JUL-2004 01:35:36	Straylight	49.500	31	Alp Gru	1.7340	15200.	99	12582	No
35	GOM_NL__2PRFIN20040727_013856_000000742029_00003_12582_3254.N1	27-JUL-2004 01:38:56	Tw_i_and_stray	73.500	18	24Alp PsA	1.1660	9700.0	147	12582	No
36	GOM_NL__2PRFIN20040727_014325_000000452029_00003_12582_3255.N1	27-JUL-2004 01:43:25	Bright	44.500	38	20Eps Sgr	1.8360	11000.	89	12582	No
37	GOM_NL__2PRFIN20040727_014520_000000392029_00003_12582_3256.N1	27-JUL-2004 01:45:20	Bright	38.500	57	34Sig Sgr	2.0660	26000.	77	12582	No
38	GOM_NL__2PRFIN20040727_014658_000000612029_00003_12582_3257.N1	27-JUL-2004 01:46:58	Bright	60.500	142	49Del Cap	2.8500	8900.0	121	12582	No
39	GOM_NL__2PRFIN20040727_015136_000000612029_00003_12582_3258.N1	27-JUL-2004 01:51:36	Bright	60.500	154	22Bet Aqr	2.8990	5700.0	121	12582	No
40	GOM_NL__2PRFIN20040727_015520_000000402029_00003_12582_3259.N1	27-JUL-2004 01:55:20	Bright	40.000	11	53Alp Aql	0.76500	8000.0	80	12582	No
41	GOM_NL__2PRFIN20040727_015703_000000402029_00003_12582_3260.N1	27-JUL-2004 01:57:03	Bright	39.500	59	55Alp Oph	2.0800	8900.0	79	12582	No
42	GOM_NL__2PRFIN20040727_015918_000000772029_00003_12582_3261.N1	27-JUL-2004 01:59:18	Bright	76.500	61	8Eps Peg	2.1000	3900.0	153	12582	No

















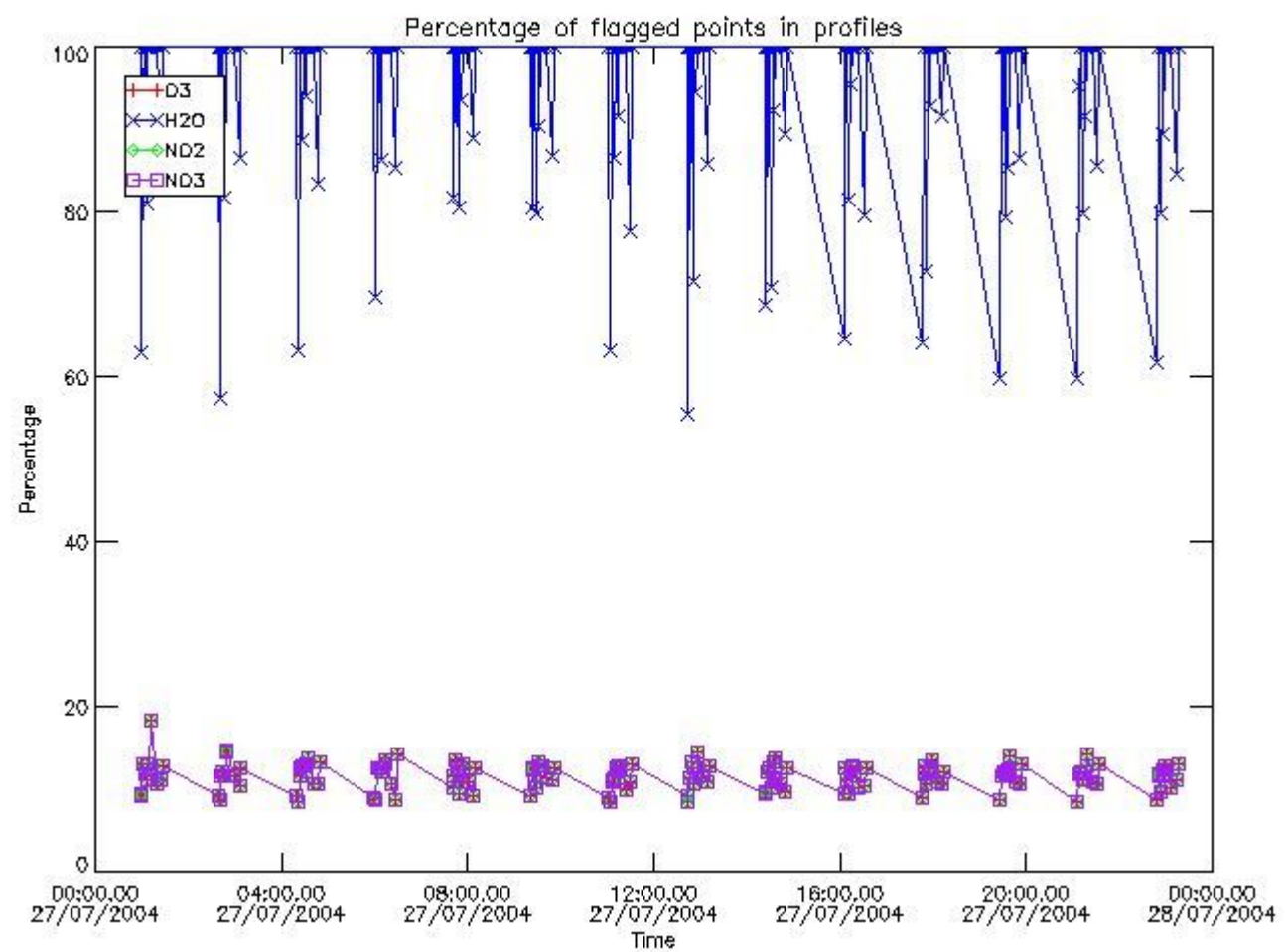
456	GOM_NL__2PRFIN20040727_220230_000000402029_00015_12594_3281.N1	27-JUL-2004 22:02:30	Bright	40.000	11	53Alp Aql	0.76500	8000.0	80	12594	No
457	GOM_NL__2PRFIN20040727_220417_000000372029_00015_12594_3282.N1	27-JUL-2004 22:04:17	Bright	36.500	59	55Alp Oph	2.0800	8900.0	73	12594	No
458	GOM_NL__2PRFIN20040727_220615_000000682029_00015_12594_3283.N1	27-JUL-2004 22:06:15	Bright	67.500	61	8Eps Peg	2.1000	3900.0	135	12594	No
459	GOM_NL__2PRFIN20040727_221052_000000412029_00015_12594_3284.N1	27-JUL-2004 22:10:52	Bright	40.500	5	3Alp Lyr	0.033000	11000.	81	12594	No
460	GOM_NL__2PRFIN20040727_221240_000000432029_00015_12594_3285.N1	27-JUL-2004 22:12:40	Bright	42.500	66	37Gam Cyg	2.2080	5900.0	85	12594	No
461	GOM_NL__2PRFIN20040727_221434_000000412029_00015_12594_3286.N1	27-JUL-2004 22:14:34	Bright	40.500	69	33Gam Dra	2.2310	3800.0	81	12594	No
462	GOM_NL__2PRFIN20040727_221824_000000402029_00015_12594_3287.N1	27-JUL-2004 22:18:24	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	12594	No
463	GOM_NL__2PRFIN20040727_222001_000000422029_00015_12594_3288.N1	27-JUL-2004 22:20:01	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	12594	No
464	GOM_NL__2PRFIN20040727_222236_000000362029_00015_12594_3289.N1	27-JUL-2004 22:22:36	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	12594	No
465	GOM_NL__2PRFIN20040727_222526_000000362029_00015_12594_3290.N1	27-JUL-2004 22:25:26	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	12594	No
466	GOM_NL__2PRFIN20040727_222839_000000512029_00015_12594_3291.N1	27-JUL-2004 22:28:39	Bright	50.500	76	27Gam Cas	2.3000	30000.	101	12594	No
467	GOM_NL__2PRFIN20040727_223443_000000612029_00015_12594_3292.N1	27-JUL-2004 22:34:43	Bright	61.000	160	23Gam Per	2.9300	4700.0	122	12594	No
468	GOM_NL__2PRFIN20040727_223749_000000772029_00015_12594_3293.N1	27-JUL-2004 22:37:49	Bright	76.500	73	57Gam1And	2.2600	13100.	153	12594	No
469	GOM_NL__2PRFIN20040727_224003_000000452029_00015_12594_3294.N1	27-JUL-2004 22:40:03	Bright	45.000	149	45Eps Per	2.8880	30000.	90	12594	No
470	GOM_NL__2PRFIN20040727_224258_000000532029_00015_12594_3295.N1	27-JUL-2004 22:42:58	Tw_i_and_stray	53.000	150	44Zet Per	2.8900	28000.	106	12594	No
471	GOM_NL__2PRFIN20040727_224510_000000442029_00015_12594_3296.N1	27-JUL-2004 22:45:10	Tw_i_and_stray	44.000	176	23Zet Tau	3.0200	22000.	88	12594	No
472	GOM_NL__2PRFIN20040727_224734_000000582029_00015_12594_3297.N1	27-JUL-2004 22:47:34	Dark	58.000	13	87Alp Tau	0.86700	3800.0	116	12594	No
473	GOM_NL__2PRFIN20040727_224937_000000432029_00015_12594_3298.N1	27-JUL-2004 22:49:37	Dark	43.000	27	24Gam Ori	1.6360	26000.	86	12594	No
474	GOM_NL__2PRFIN20040727_225132_000000442029_00015_12594_3299.N1	27-JUL-2004 22:51:32	Dark	44.000	30	46Eps Ori	1.6940	30000.	88	12594	No
475	GOM_NL__2PRFIN20040727_225355_000000532029_00015_12594_3300.N1	27-JUL-2004 22:53:55	Dark	52.500	7	19Bet Ori	0.10000	14000.	105	12594	No
476	GOM_NL__2PRFIN20040727_225532_000000422029_00015_12594_3301.N1	27-JUL-2004 22:55:32	Dark	41.500	47	2Bet CMa	1.9760	28000.	83	12594	No
477	GOM_NL__2PRFIN20040727_225702_000000432029_00015_12594_3302.N1	27-JUL-2004 22:57:02	Dark	43.000	139	9Bet Lep	2.8330	5600.0	86	12594	No
478	GOM_NL__2PRFIN20040727_225855_000000402029_00015_12594_3303.N1	27-JUL-2004 22:58:55	Dark	40.000	177	1Zet CMa	3.0220	26000.	80	12594	No
479	GOM_NL__2PRFIN20040727_230023_000000422029_00015_12594_3304.N1	27-JUL-2004 23:00:23	Dark	41.500	108	Alp Col	2.6520	15200.	83	12594	No
480	GOM_NL__2PRFIN20040727_230724_000000512029_00015_12594_3305.N1	27-JUL-2004 23:07:24	Dark	50.500	157	The1Eri	2.9060	9300.0	101	12594	No
481	GOM_NL__2PRFIN20040727_231311_000000462029_00016_12595_3272.N1	27-JUL-2004 23:13:11	Dark	45.500	9	Alp Eri	0.45300	24000.	91	12595	No
482	GOM_NL__2PRFIN20040727_231533_000000392029_00016_12595_3273.N1	27-JUL-2004 23:15:33	Dark	39.000	135	Bet Hyi	2.8200	5800.0	78	12595	No
483	GOM_NL__2PRFIN20040727_231734_000000612029_00016_12595_3274.N1	27-JUL-2004 23:17:34	Straylight	60.500	84	Alp Phe	2.3970	4500.0	121	12595	No
484	GOM_NL__2PRFIN20040727_232015_000000442029_00016_12595_3275.N1	27-JUL-2004 23:20:15	Straylight	43.500	148	Alp Tuc	2.8780	4100.0	87	12595	No
485	GOM_NL__2PRFIN20040727_232331_000000532029_00016_12595_3276.N1	27-JUL-2004 23:23:31	Straylight	52.500	31	Alp Gru	1.7340	15200.	105	12595	No
486	GOM_NL__2PRFIN20040727_232652_000000772029_00016_12595_3277.N1	27-JUL-2004 23:26:52	Tw_i_and_stray	76.500	18	24Alp PsA	1.1660	9700.0	153	12595	No
487	GOM_NL__2PRFIN20040727_233114_000000432029_00016_12595_3278.N1	27-JUL-2004 23:31:14	Bright	42.500	38	20Eps Sgr	1.8360	11000.	85	12595	No
488	GOM_NL__2PRFIN20040727_233308_000000412029_00016_12595_3279.N1	27-JUL-2004 23:33:08	Bright	40.500	57	34Sig Sgr	2.0660	26000.	81	12595	No
489	GOM_NL__2PRFIN20040727_233443_000000622029_00016_12595_3280.N1	27-JUL-2004 23:34:43	Bright	61.500	142	49Del Cap	2.8500	8900.0	123	12595	No
490	GOM_NL__2PRFIN20040727_233918_000000602029_00016_12595_3281.N1	27-JUL-2004 23:39:18	Bright	59.500	154	22Bet Aqr	2.8990	5700.0	119	12595	No
491	GOM_NL__2PRFIN20040727_234305_000000412029_00016_12595_3282.N1	27-JUL-2004 23:43:05	Bright	40.500	11	53Alp Aql	0.76500	8000.0	81	12595	No
492	GOM_NL__2PRFIN20040727_234453_000000382029_00016_12595_3283.N1	27-JUL-2004 23:44:53	Bright	37.500	59	55Alp Oph	2.0800	8900.0	75	12595	No
493	GOM_NL__2PRFIN20040727_234649_000000672029_00016_12595_3284.N1	27-JUL-2004 23:46:49	Bright	67.000	61	8Eps Peg	2.1000	3900.0	134	12595	No
494	GOM_NL__2PRFIN20040727_235129_000000362029_00016_12595_3285.N1	27-JUL-2004 23:51:29	Bright	35.500	5	3Alp Lyr	0.033000	11000.	71	12595	No
495	GOM_NL__2PRFIN20040727_235315_000000442029_00016_12595_3286.N1	27-JUL-2004 23:53:15	Bright	44.000	66	37Gam Cyg	2.2080	5900.0	88	12595	No
496	GOM_NL__2PRFIN20040727_235511_000000402029_00016_12595_3287.N1	27-JUL-2004 23:55:11	Bright	39.500	69	33Gam Dra	2.2310	3800.0	79	12595	No
497	GOM_NL__2PRFIN20040727_235900_000000352029_00016_12595_3288.N1	27-JUL-2004 23:59:00	Bright	35.000	119	14Eta Dra	2.7270	4700.0	70	12595	No

### 3. Quality information per product

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

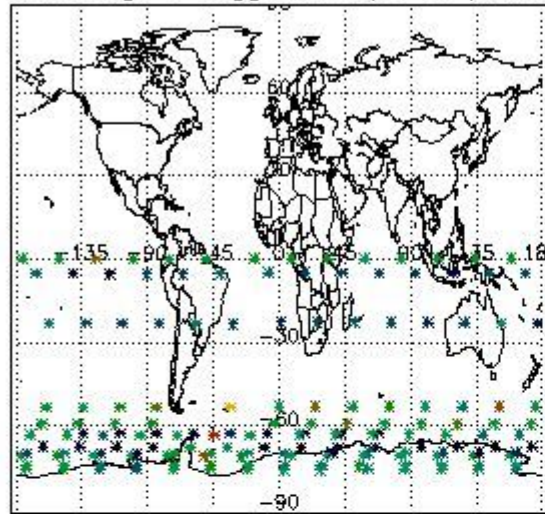
#### 3.1 Plot quality information per product (time dependant)



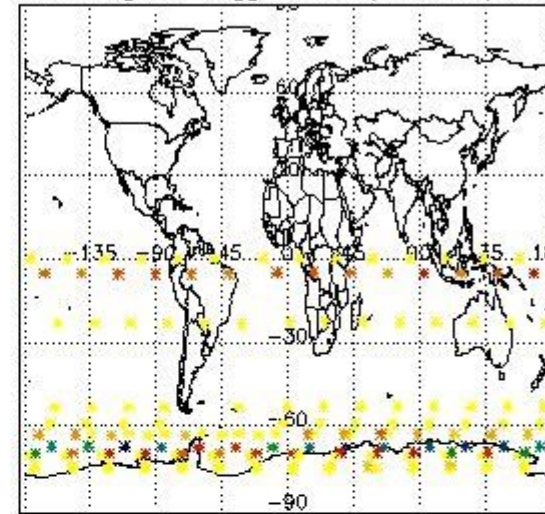


3.2 Plot quality information per product (world map)

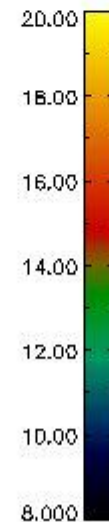
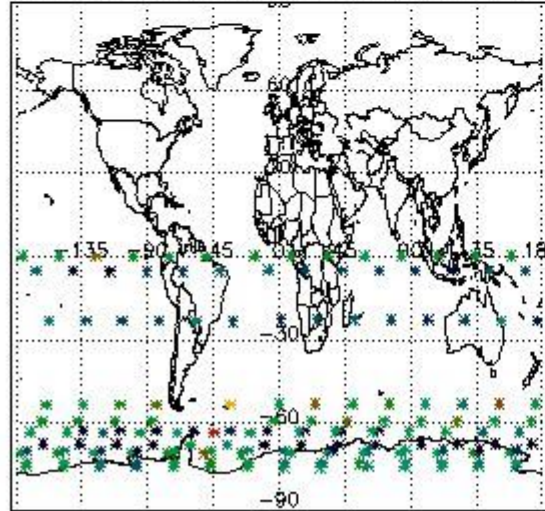
Percentage of flagged data per O3 profile



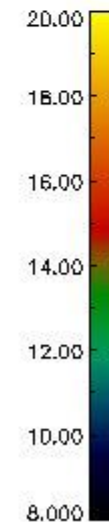
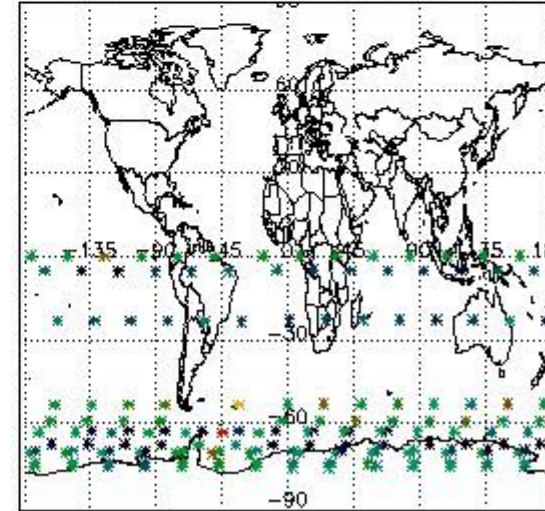
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

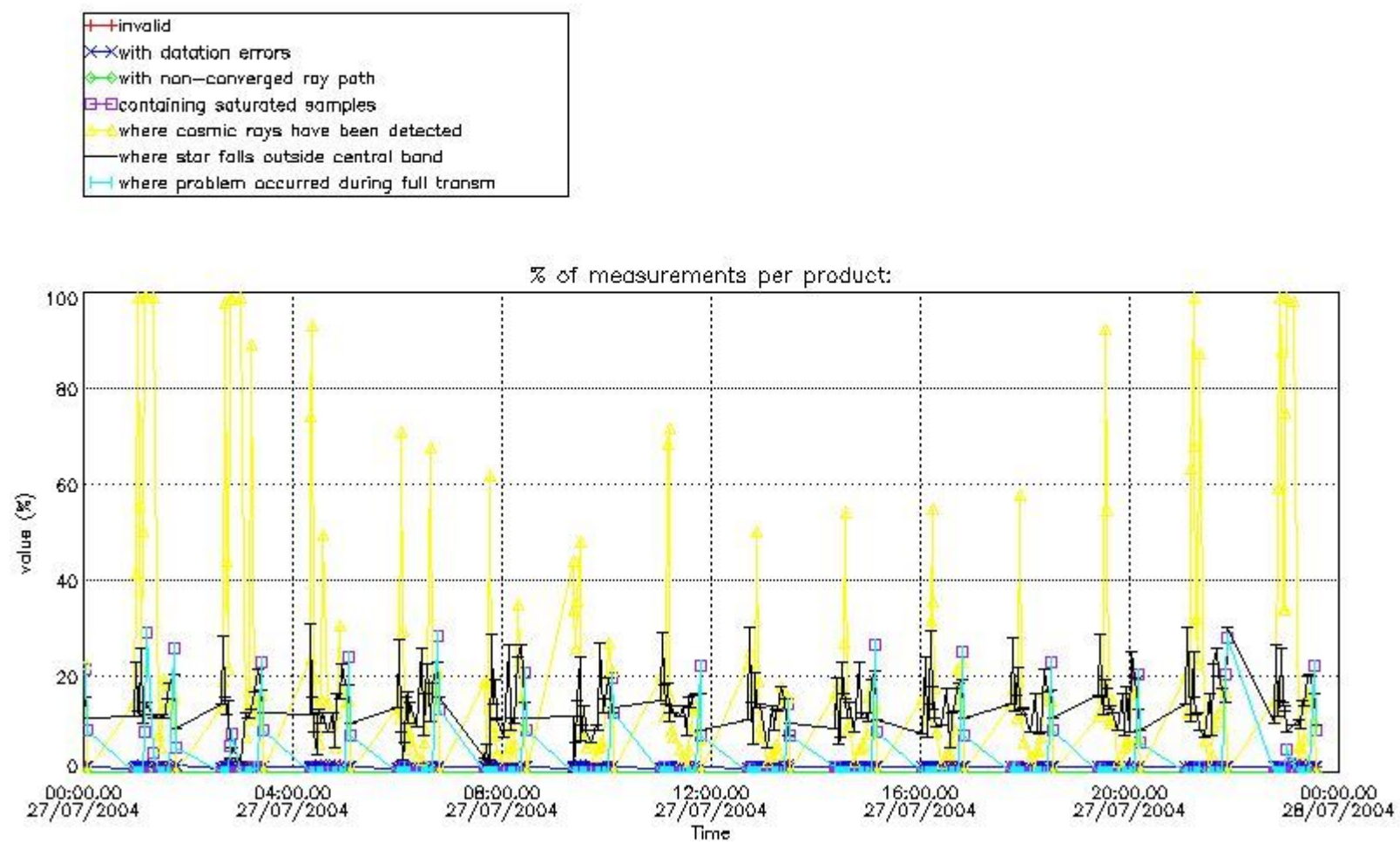


#### 4. Level 1 quality information per product

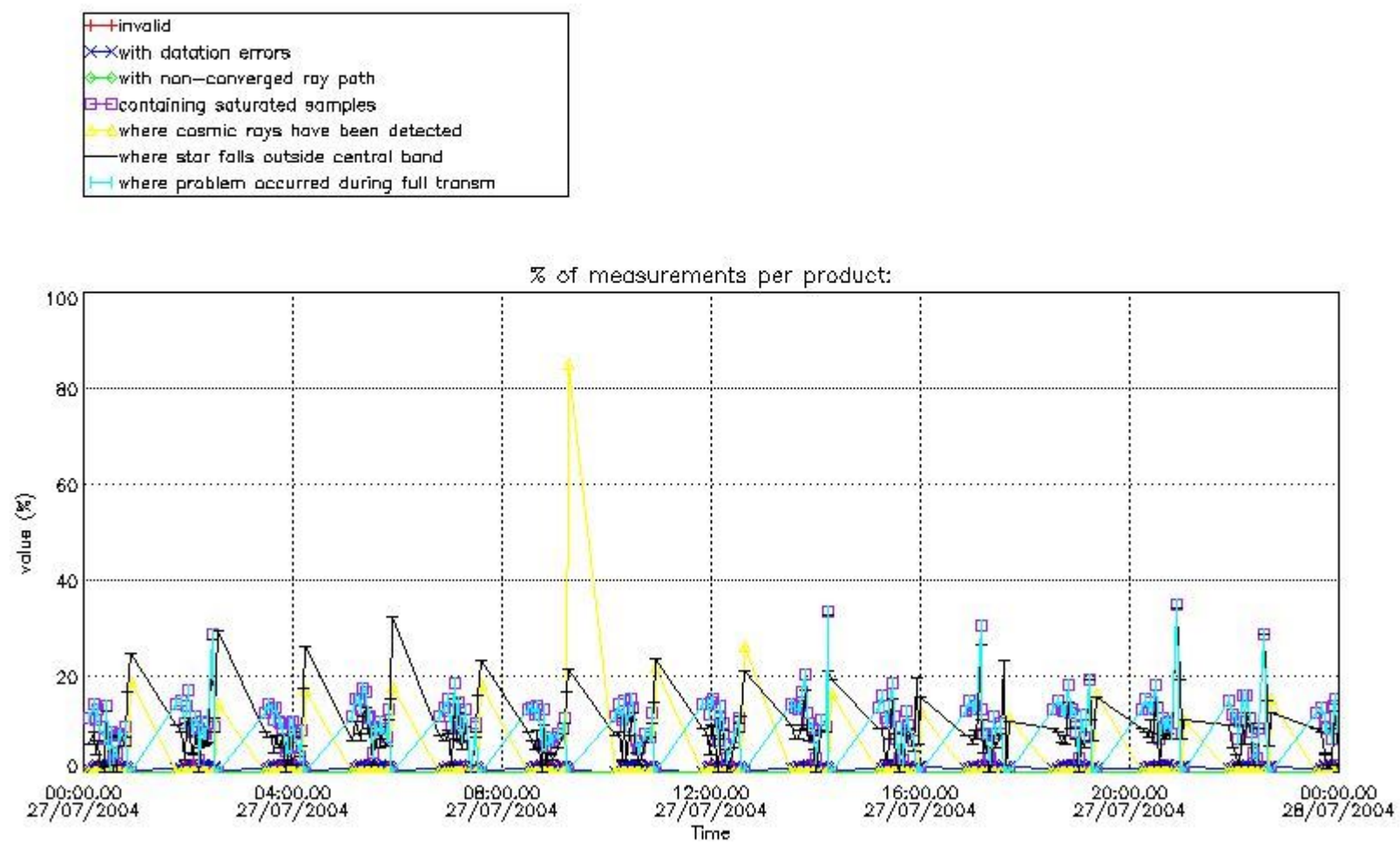
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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

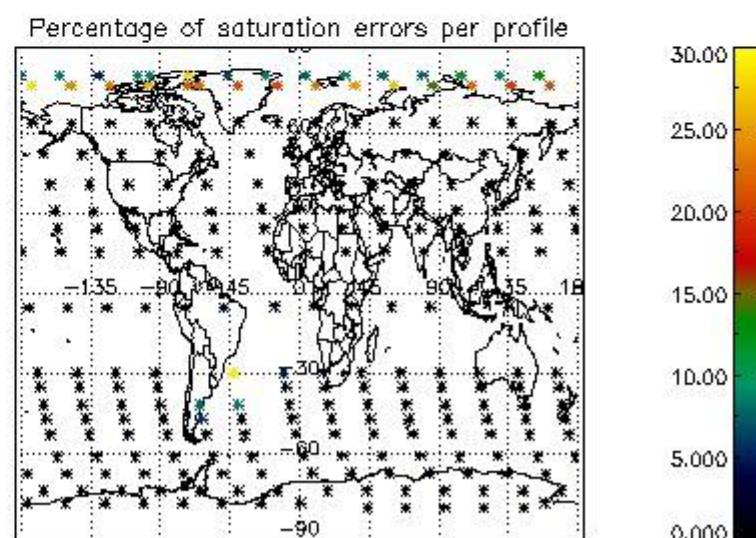
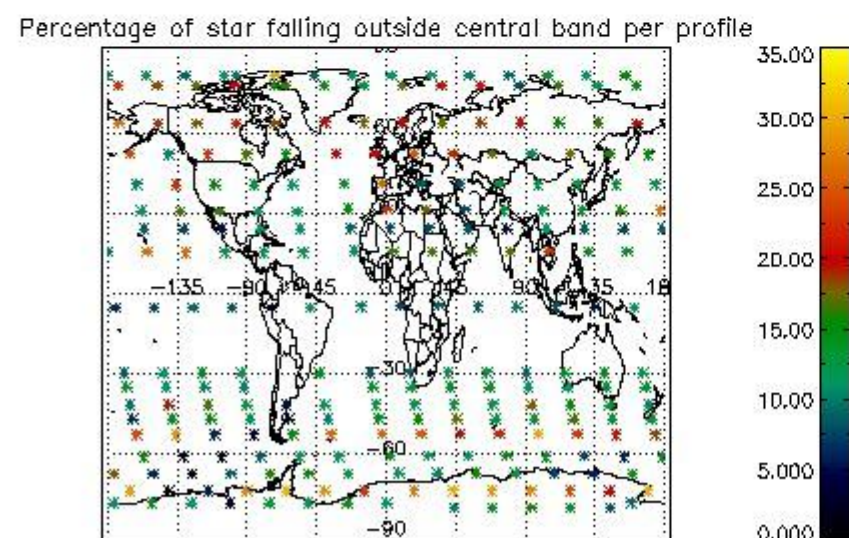
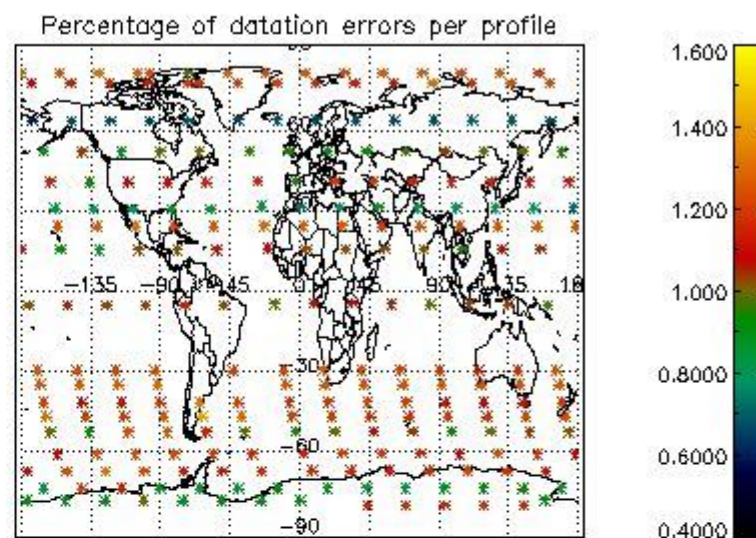
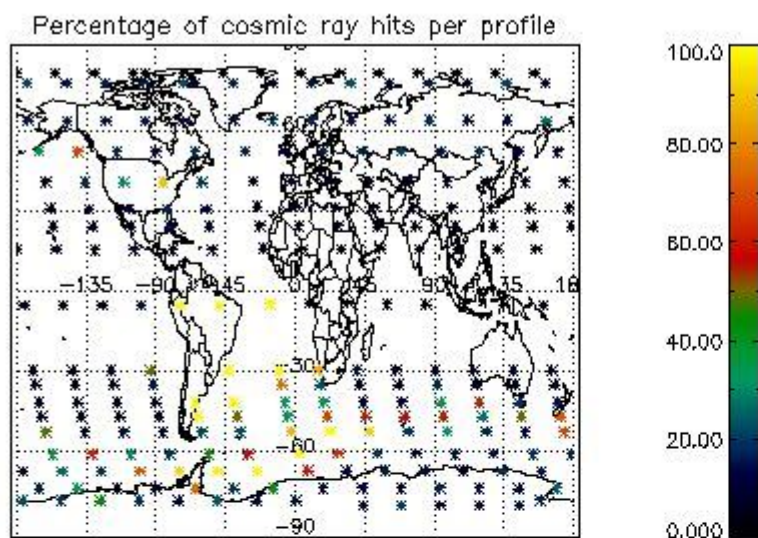


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

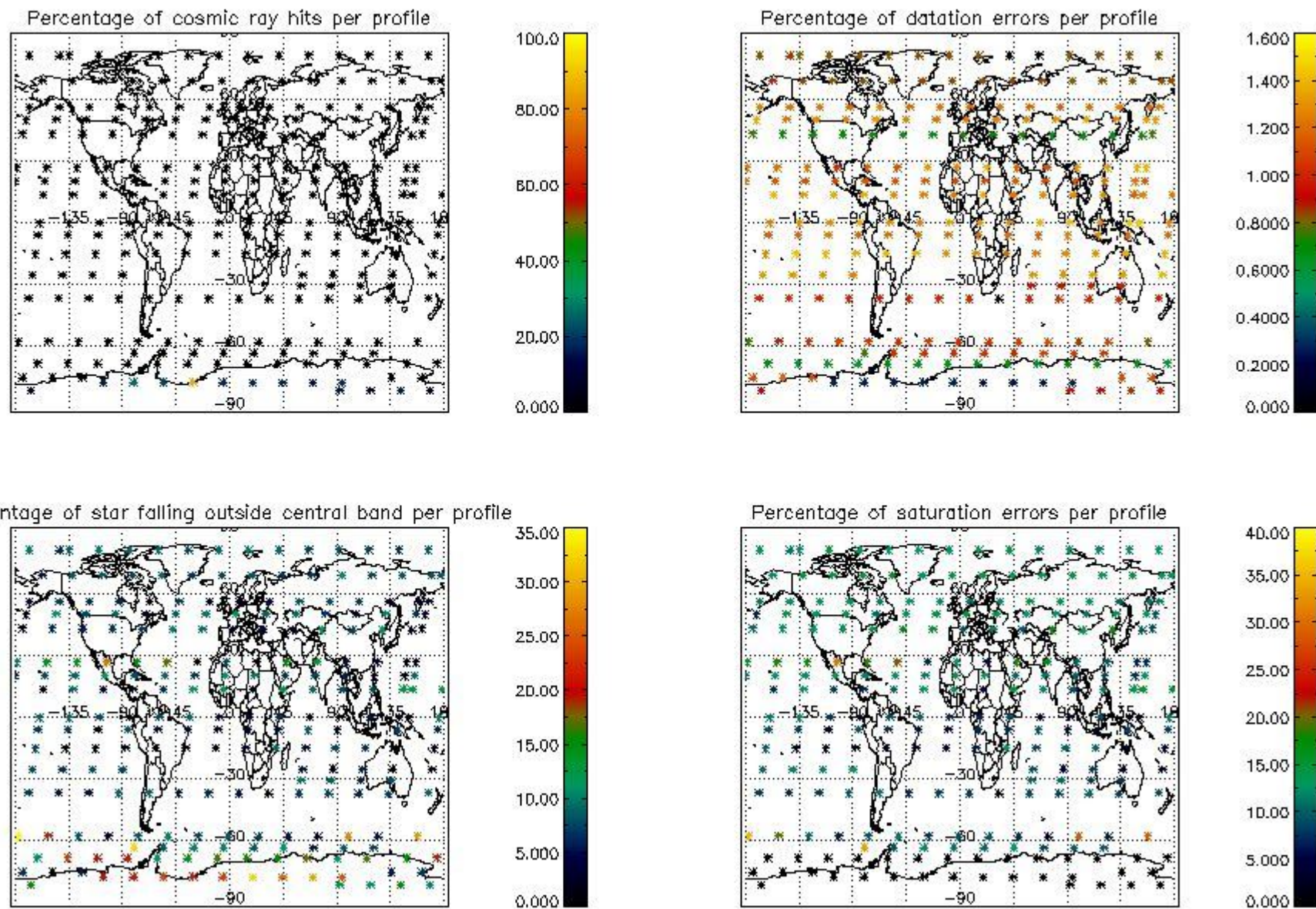


4.2 Plot quality information per product coming from level 1b processing (world map)

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



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



## 5. Trace gas profiles

### 5.1 Ozone statistics based on quality of products

The final quality of the products can be "measured" using the STD (Standard Deviation) attached to every point profile. This information is written to the parameter GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/o3\_std of the level 2 products. The table below shows the statistics for given STD ranges.

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

- Products without fatal errors: GOM\_NL\_\_2P/MPH/PRODUCT\_ERR=0
- Valid point profile: GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/pcd(0)=0

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

- Products in dark limb illumination condition: GOM\_NL\_\_2P/NL\_SUMMARY\_QUALITY/obs\_ill\_cond=0
- Products without fatal errors: GOM\_NL\_\_2P/MPH/PRODUCT\_ERR=0
- Valid point profile: GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/pcd(0)=0

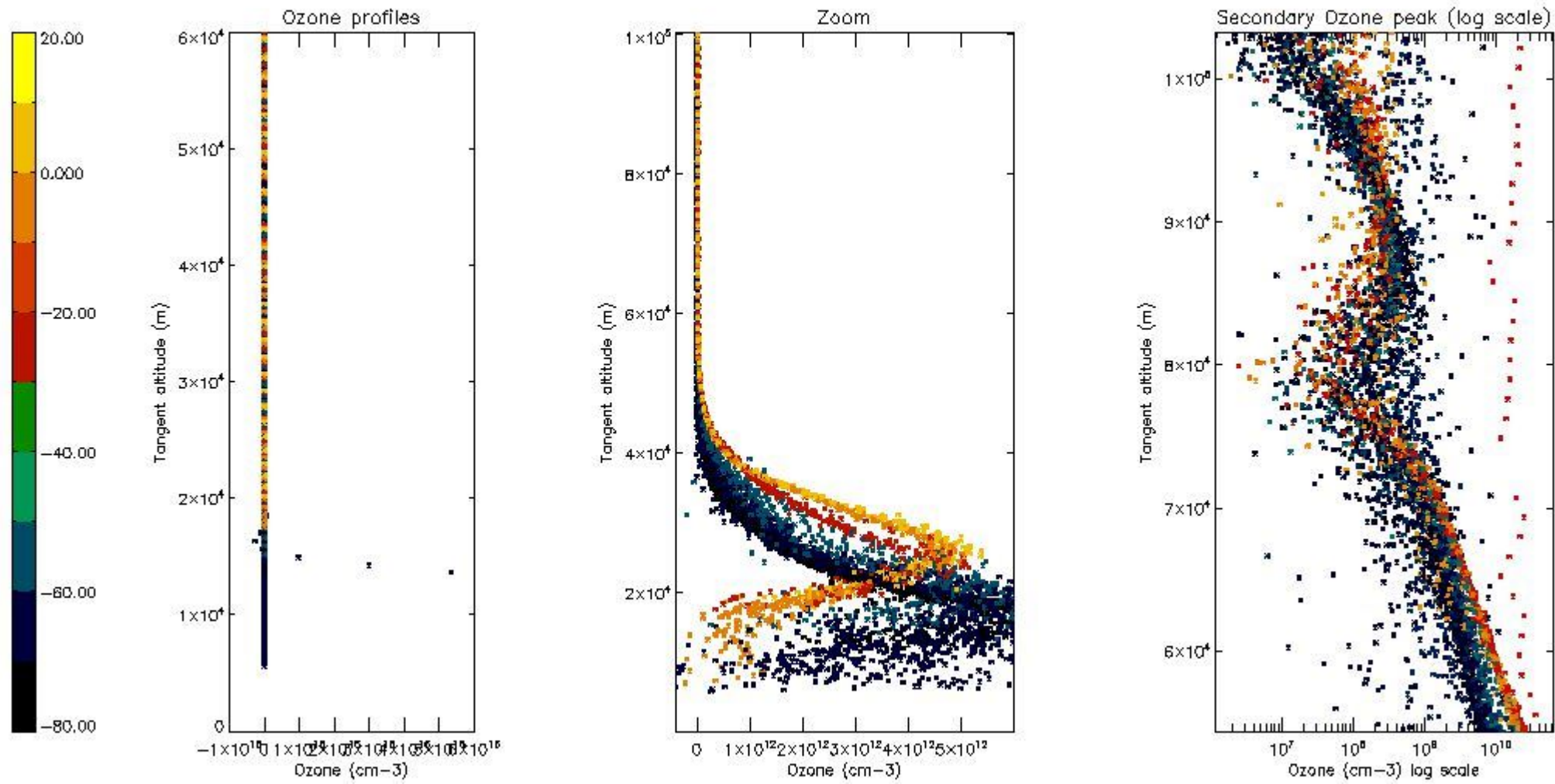
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	29
STD < 20	17

STD < 10	14
STD < 5	10

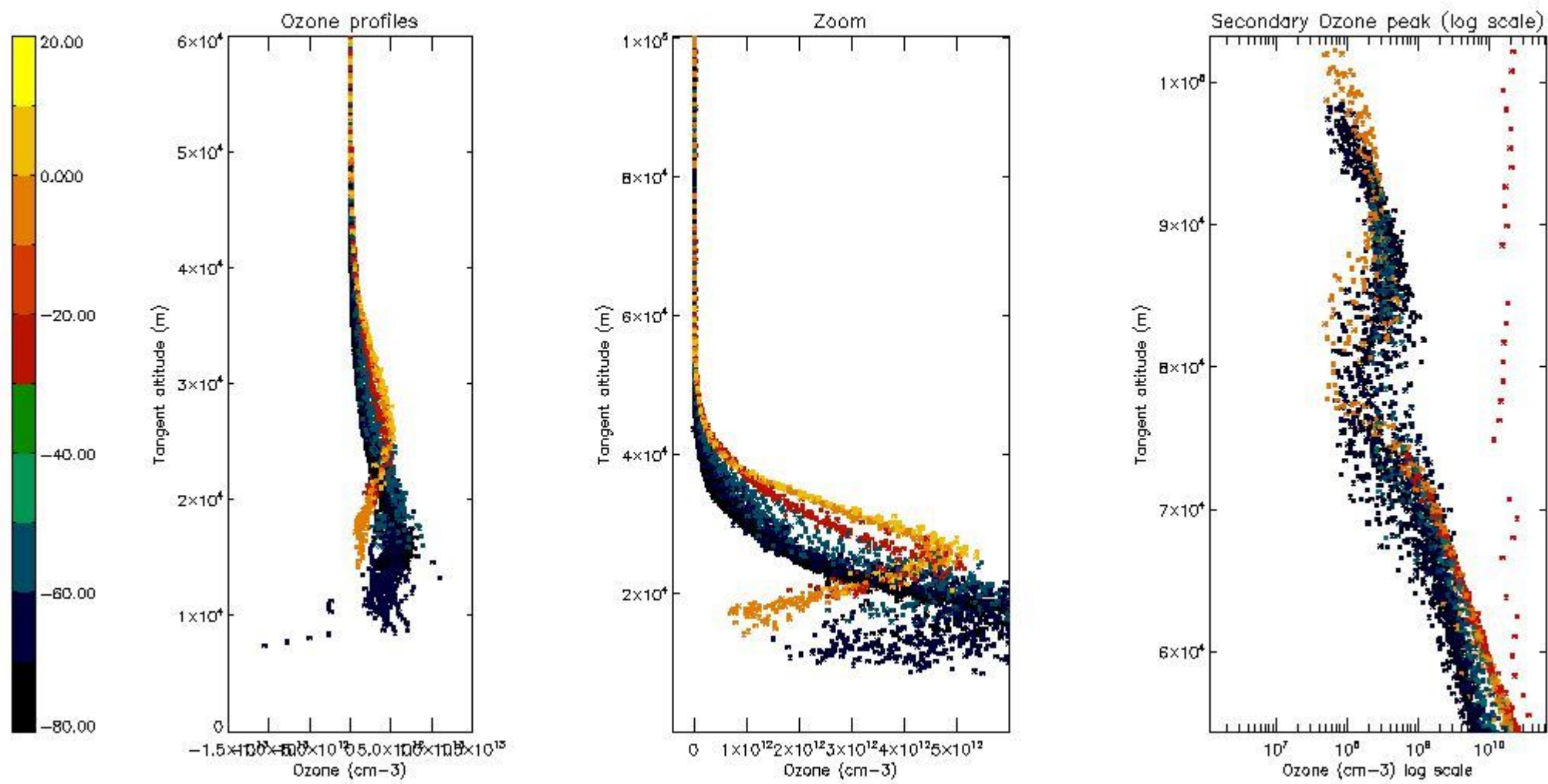
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

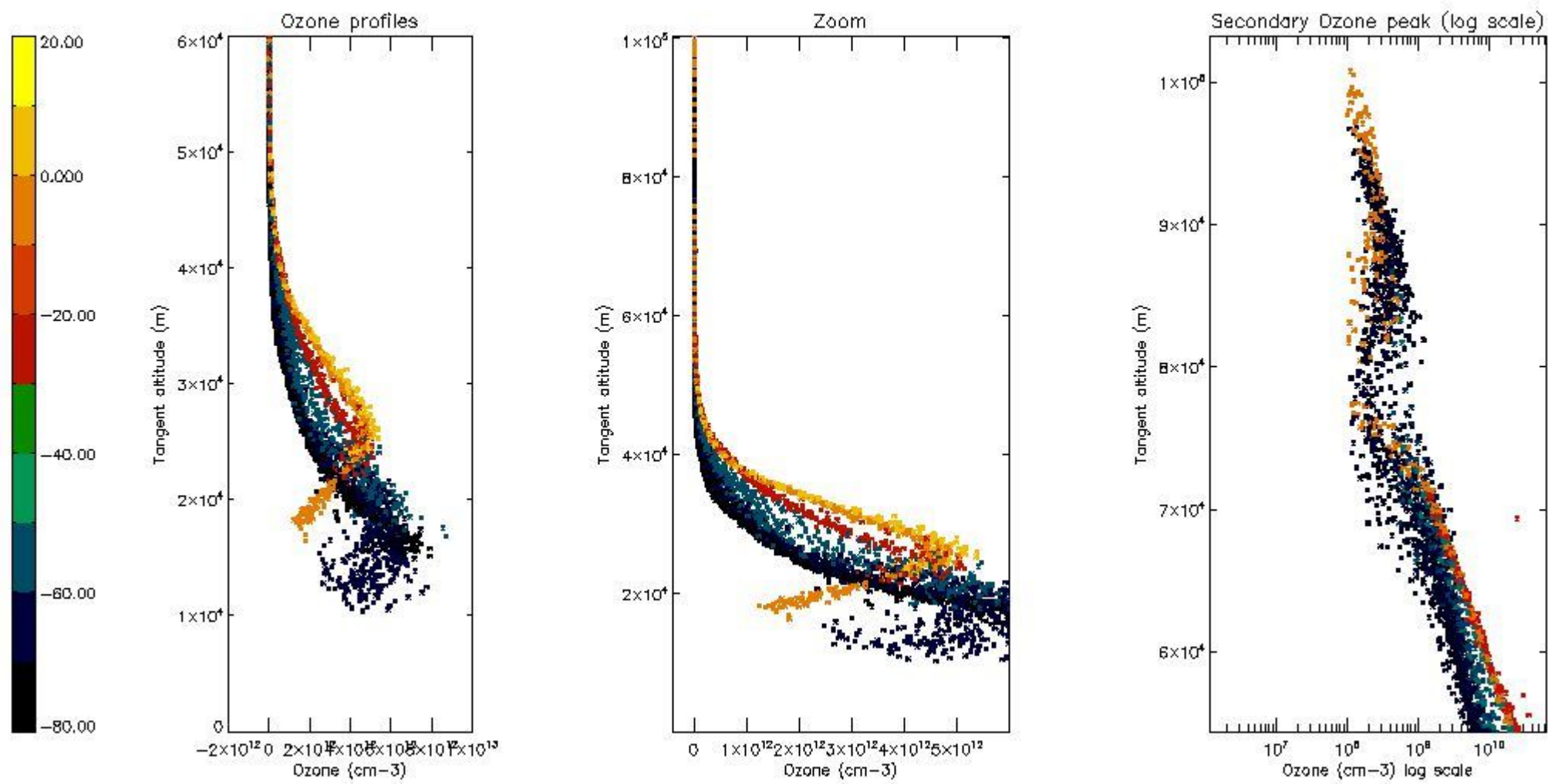
The colorbar represents the latitude.



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

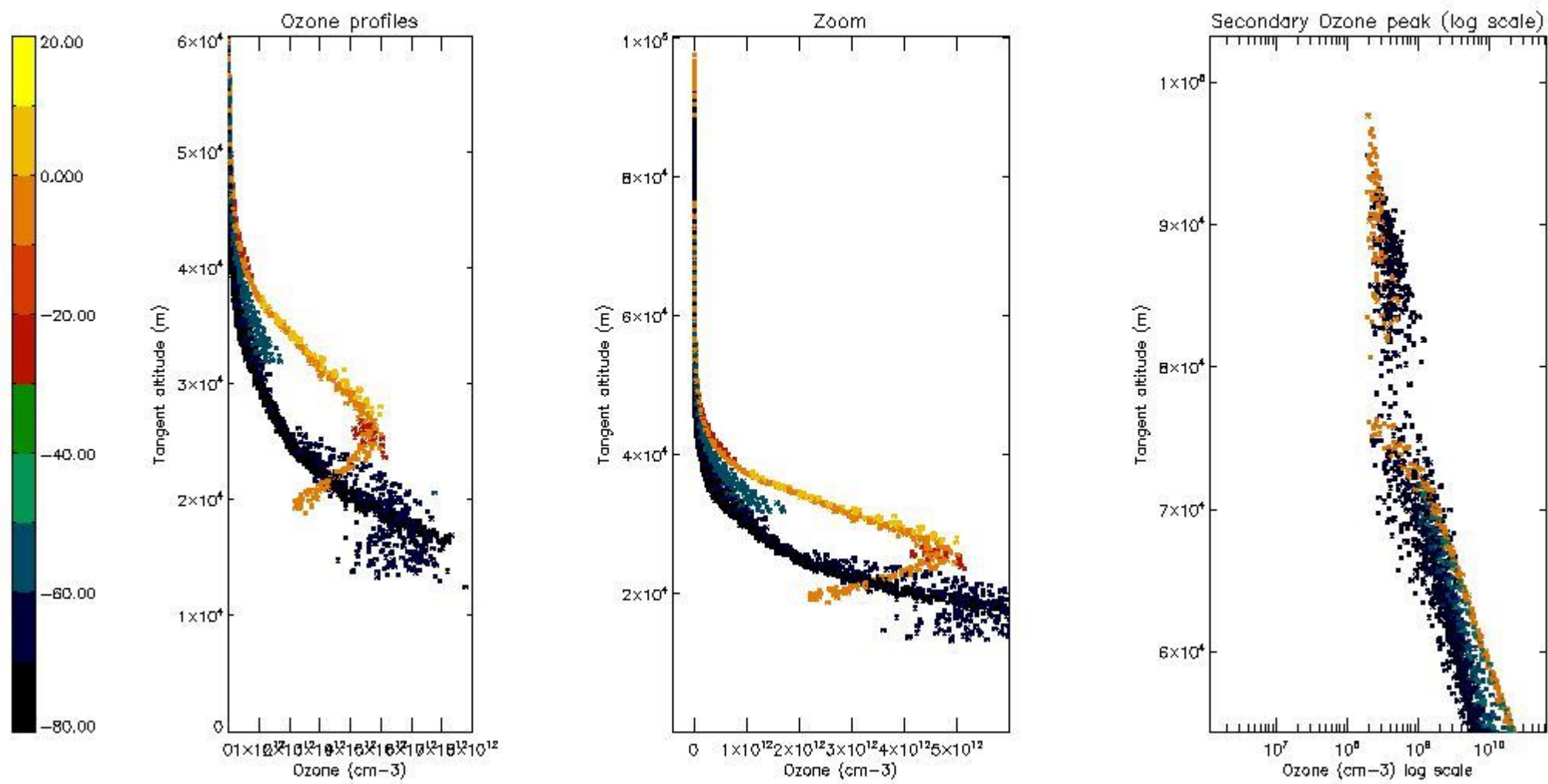
The colorbar represents the latitude.





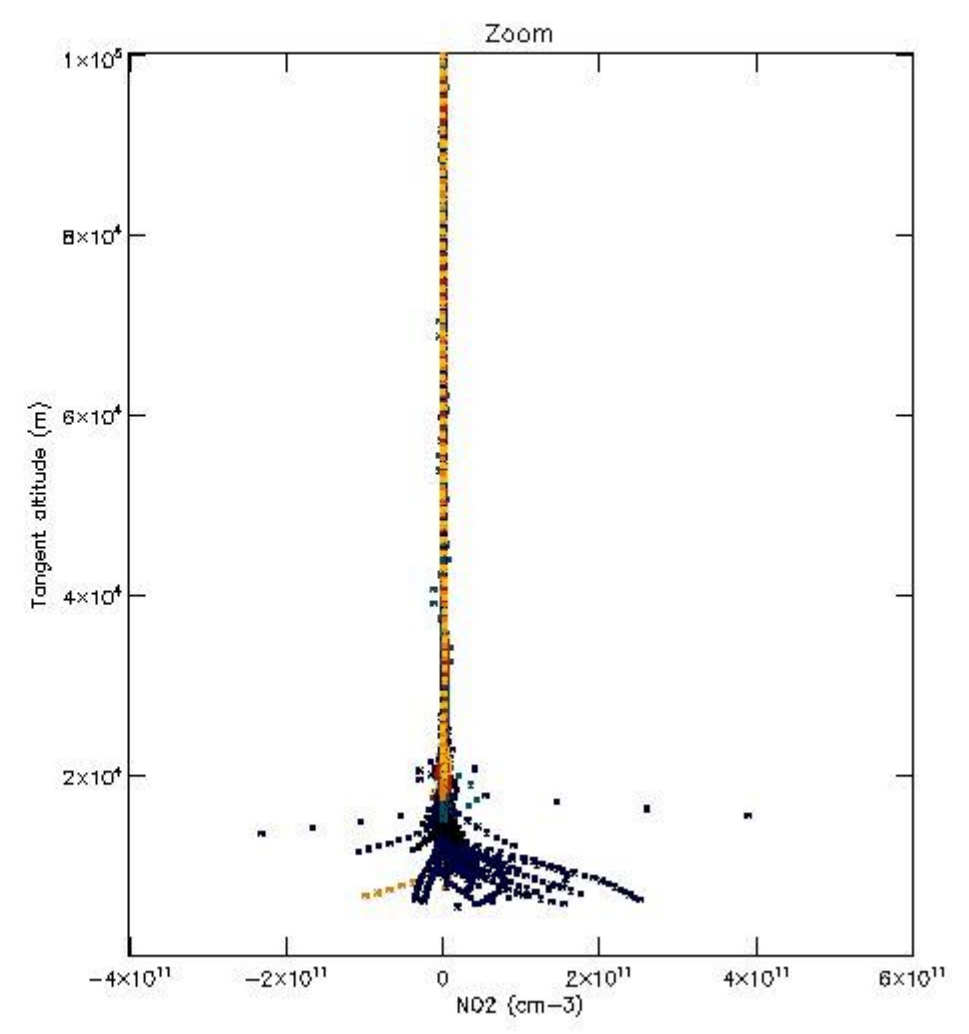
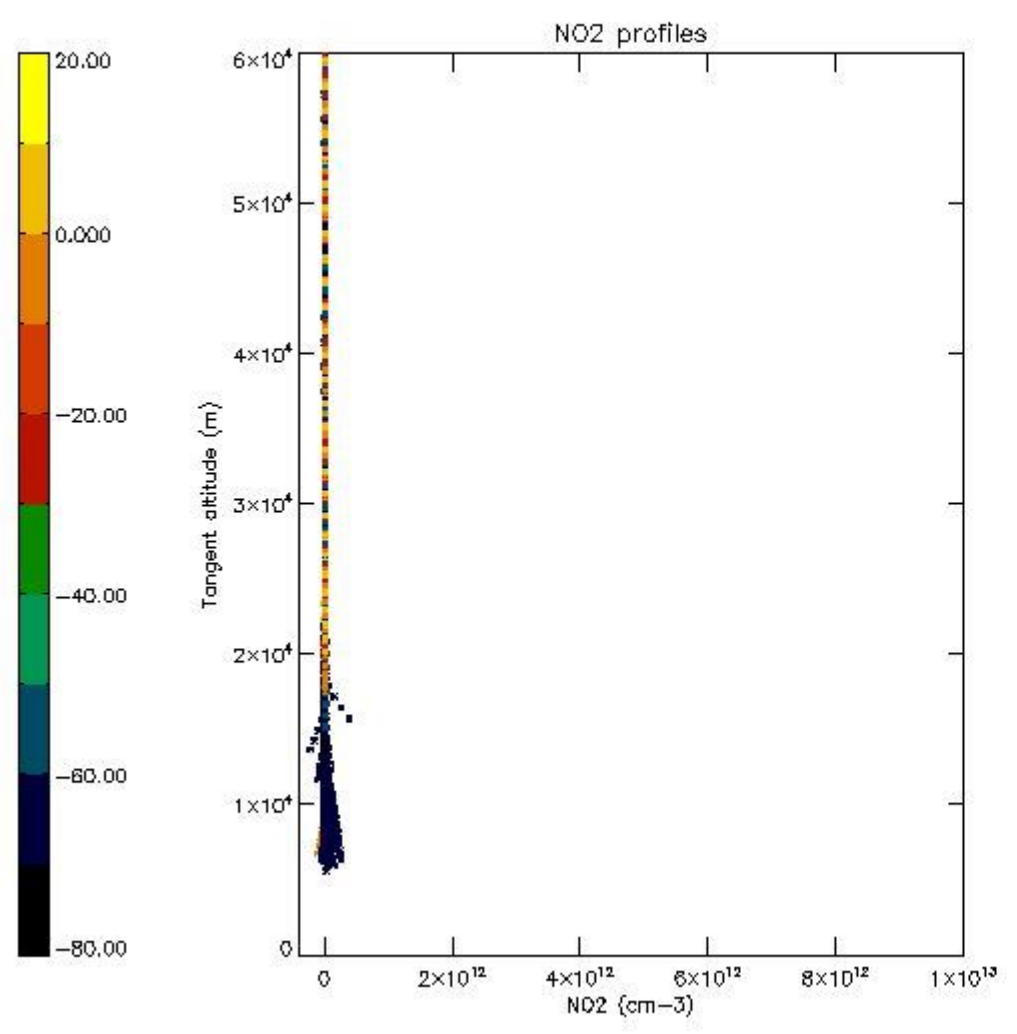
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



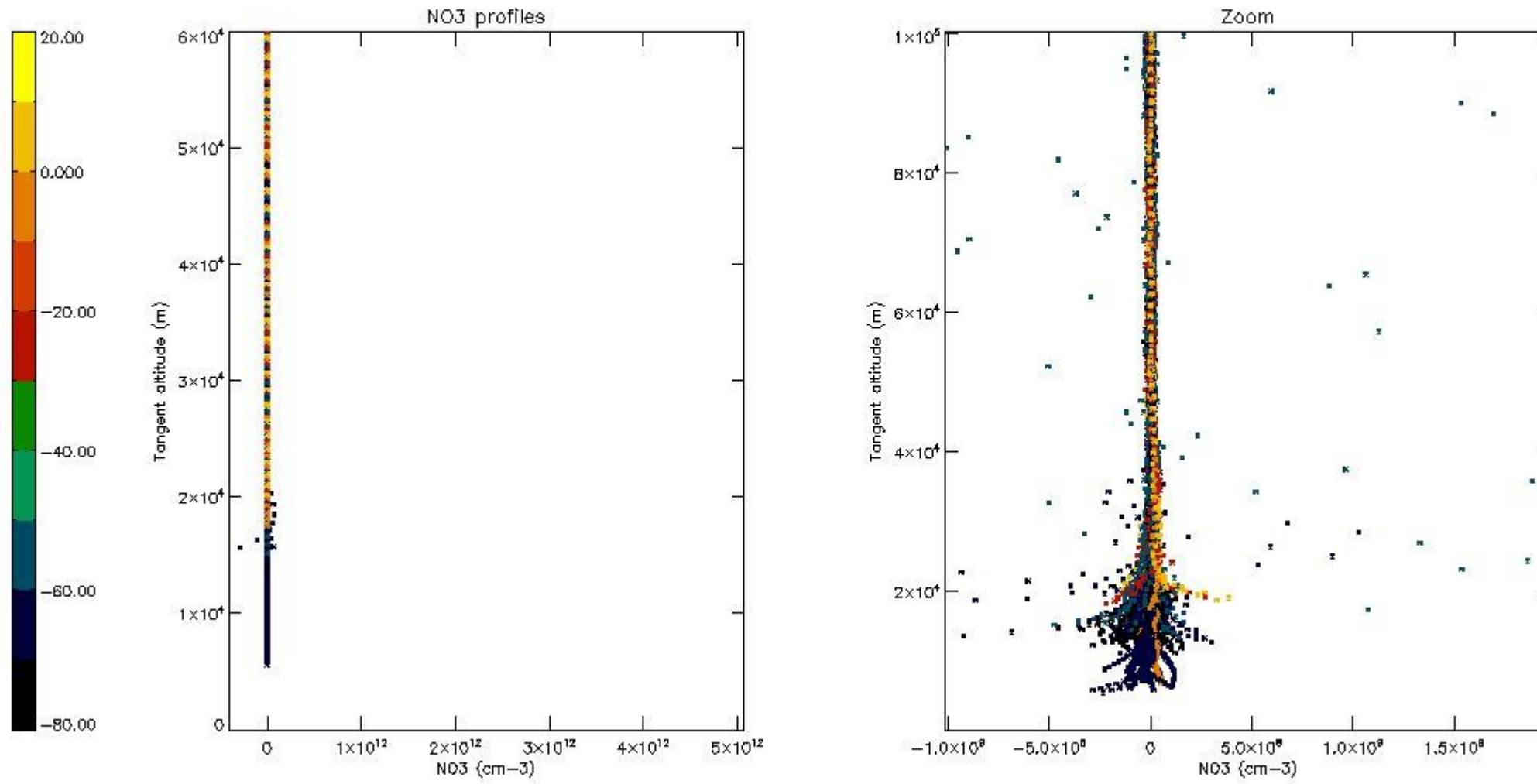
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



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

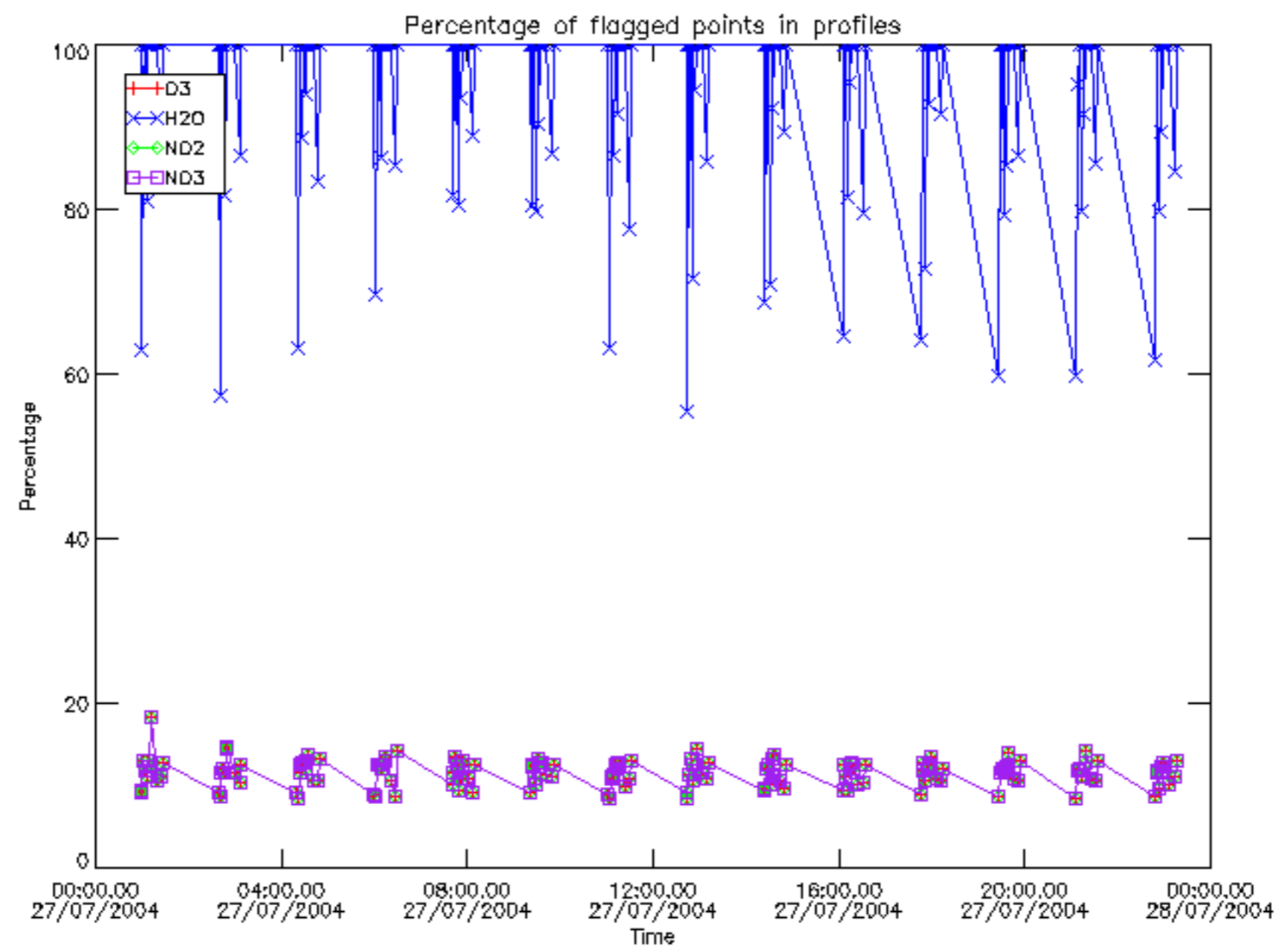
The colorbar represents the latitude.



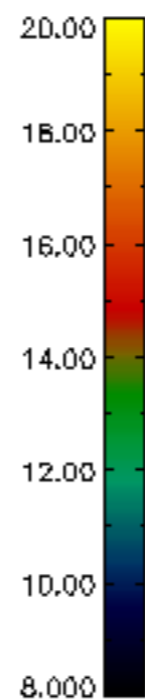
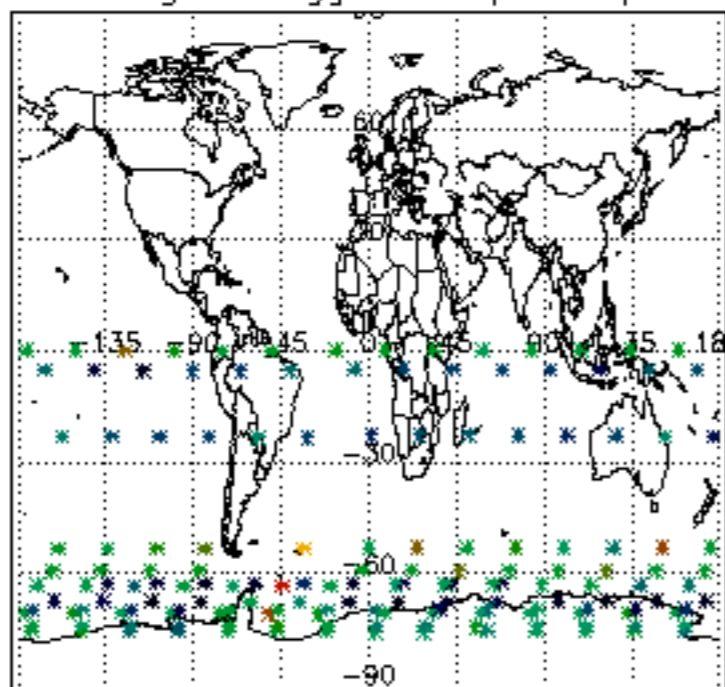
## 6. Auxiliary Data Files used for the production reported in section 2

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.

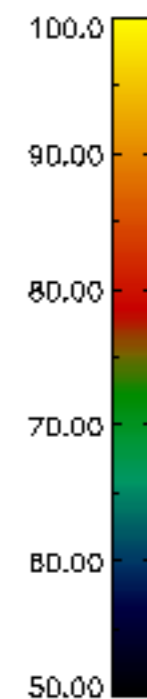
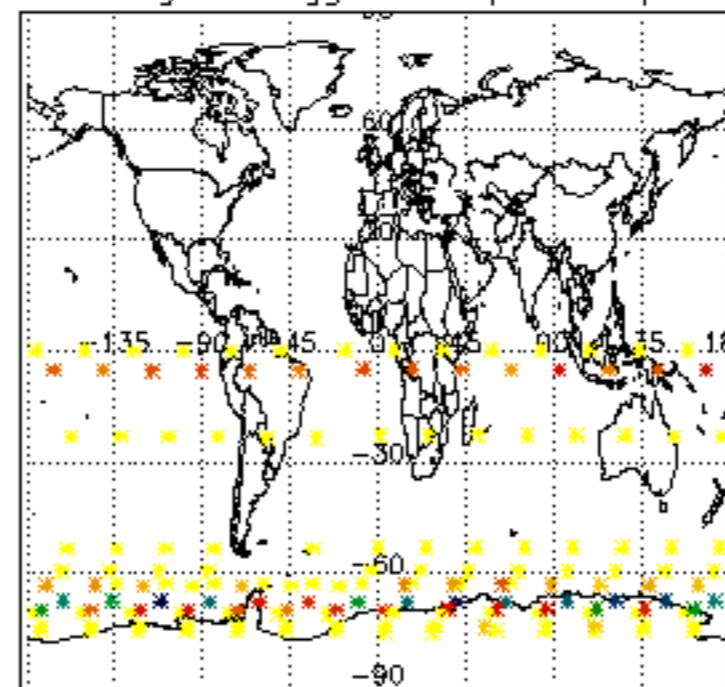
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	27-JUL-2004 00:02:49
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	27-JUL-2004 00:02:49
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	27-JUL-2004 00:02:49



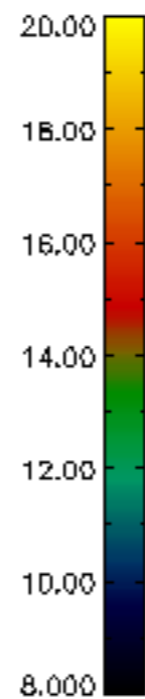
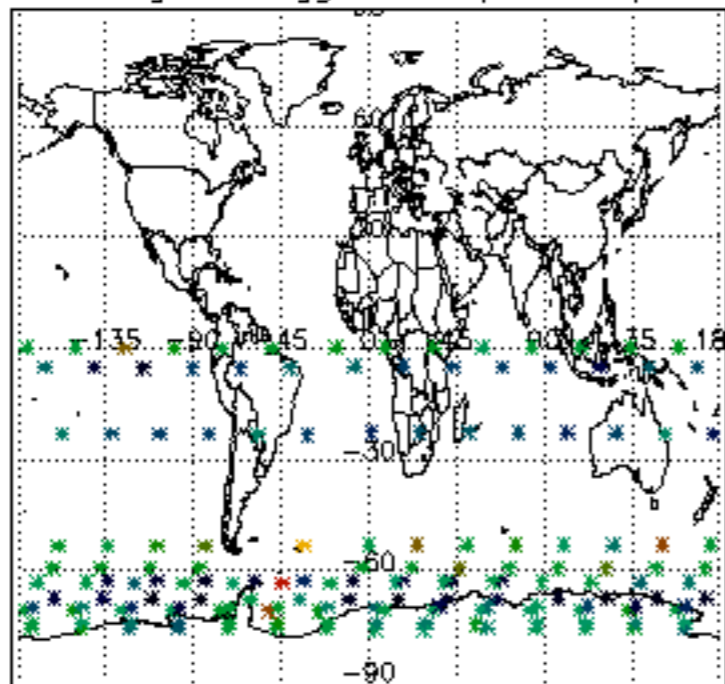
Percentage of flagged data per D3 profile



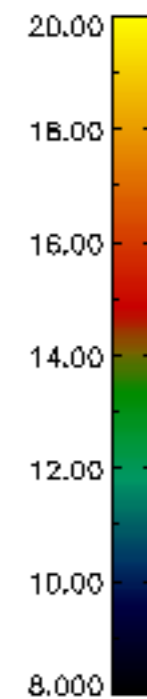
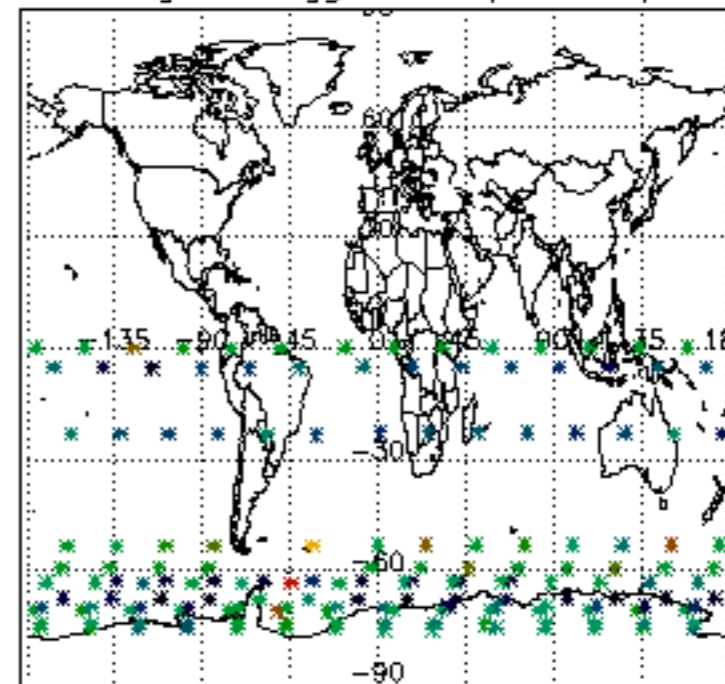
Percentage of flagged data per H2O profile

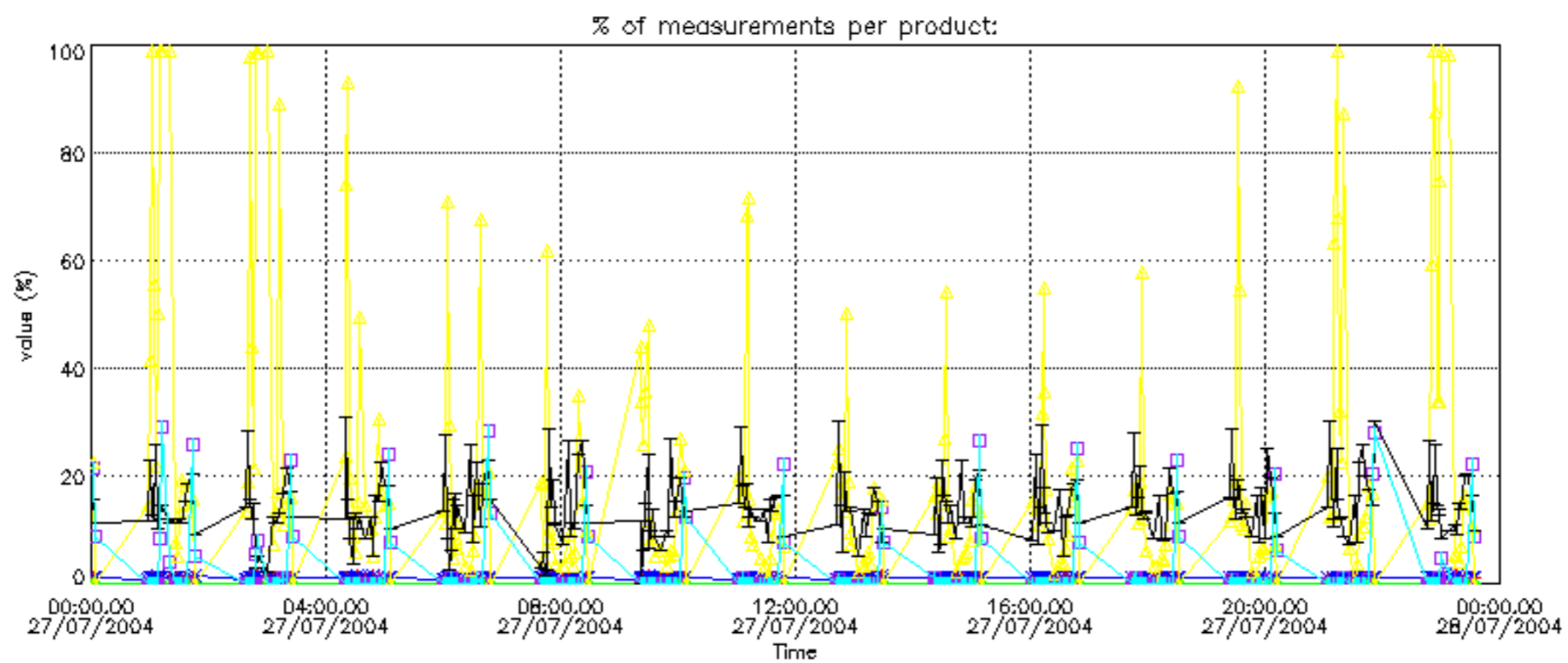
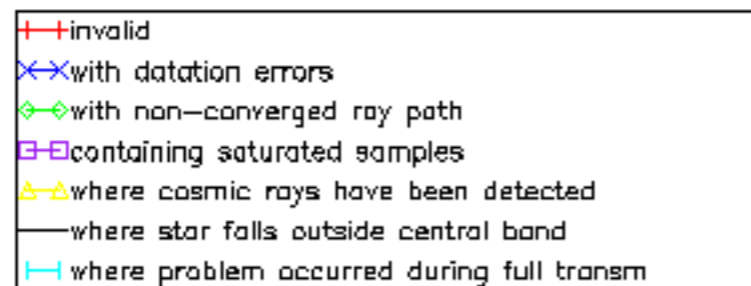


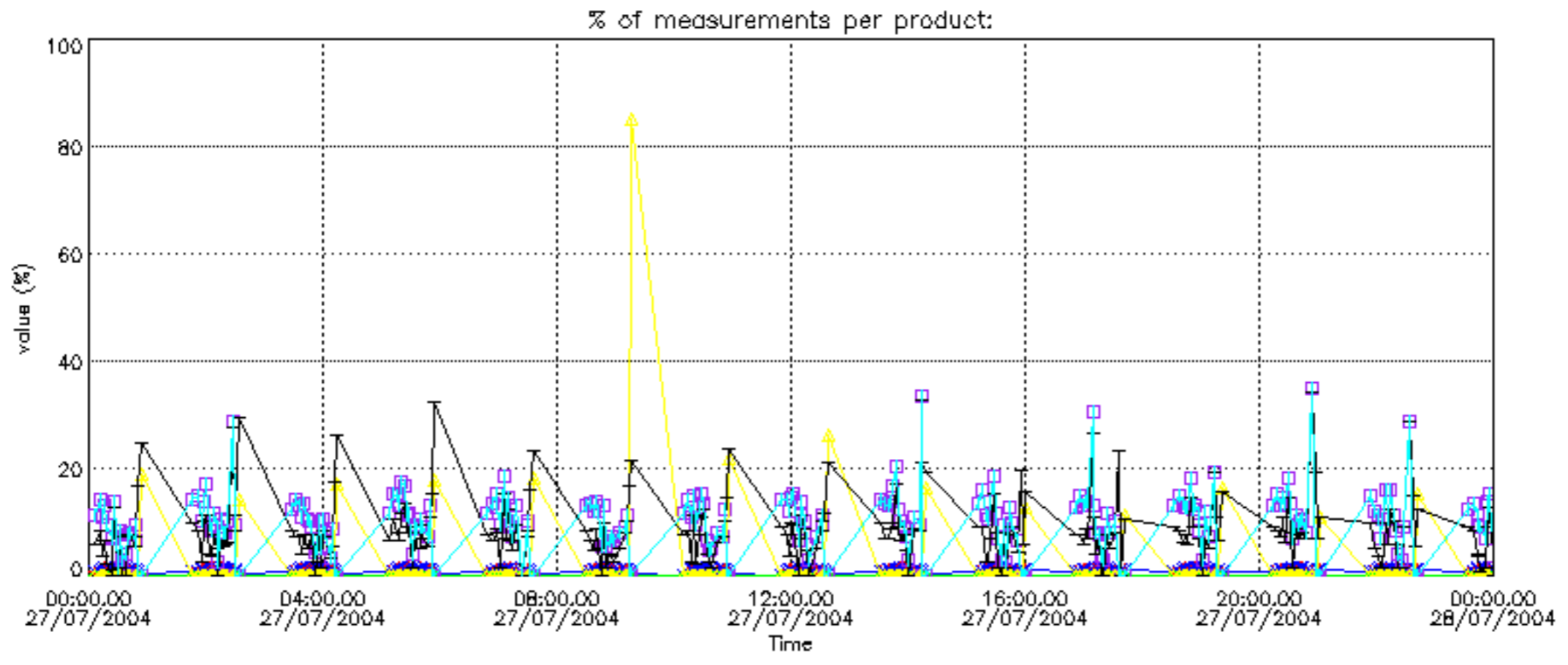
Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

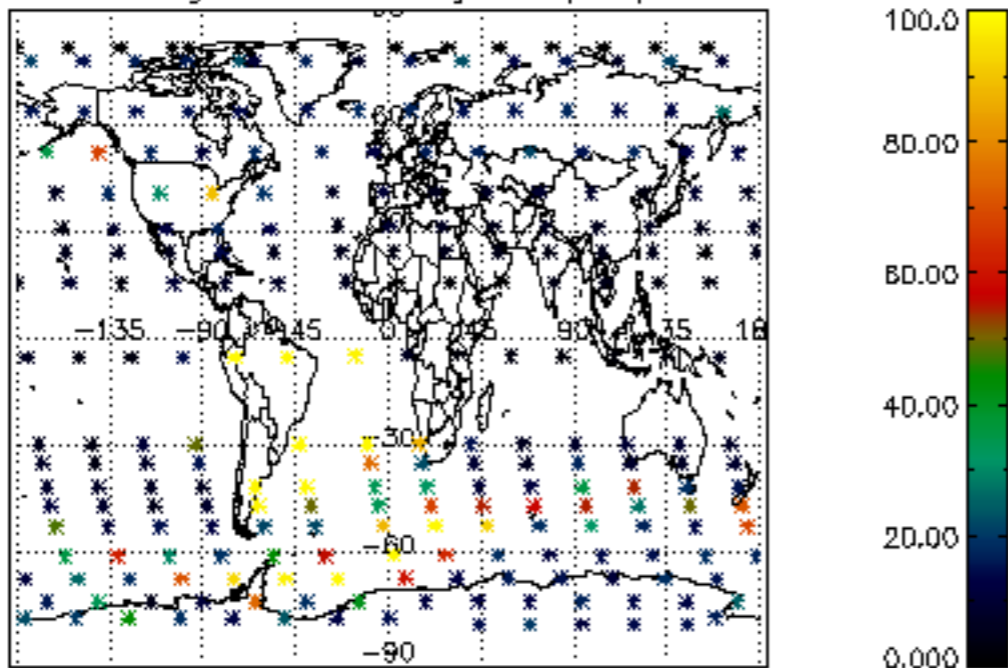




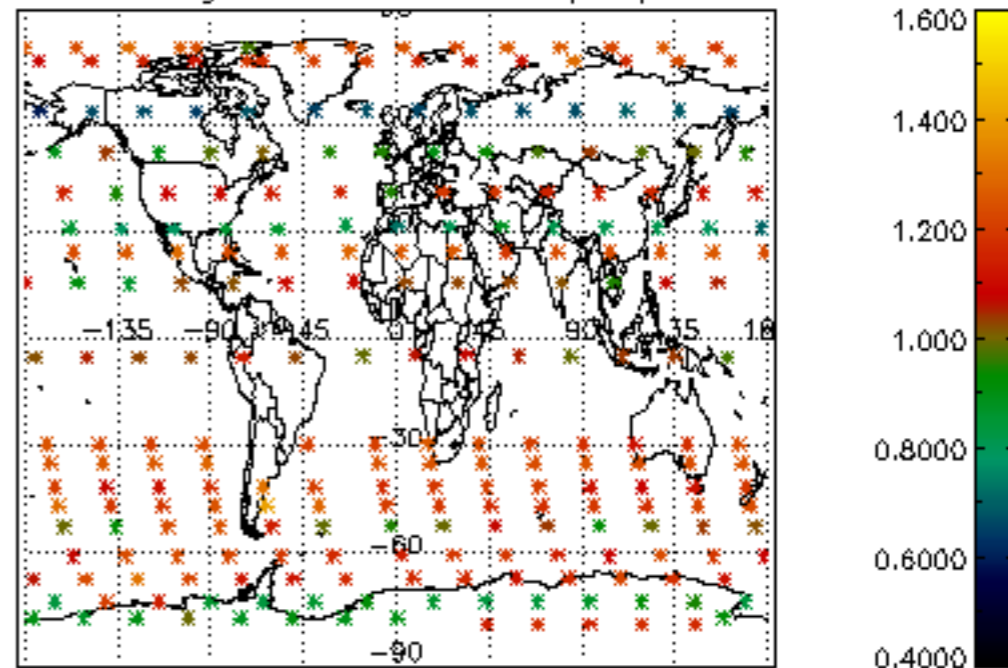




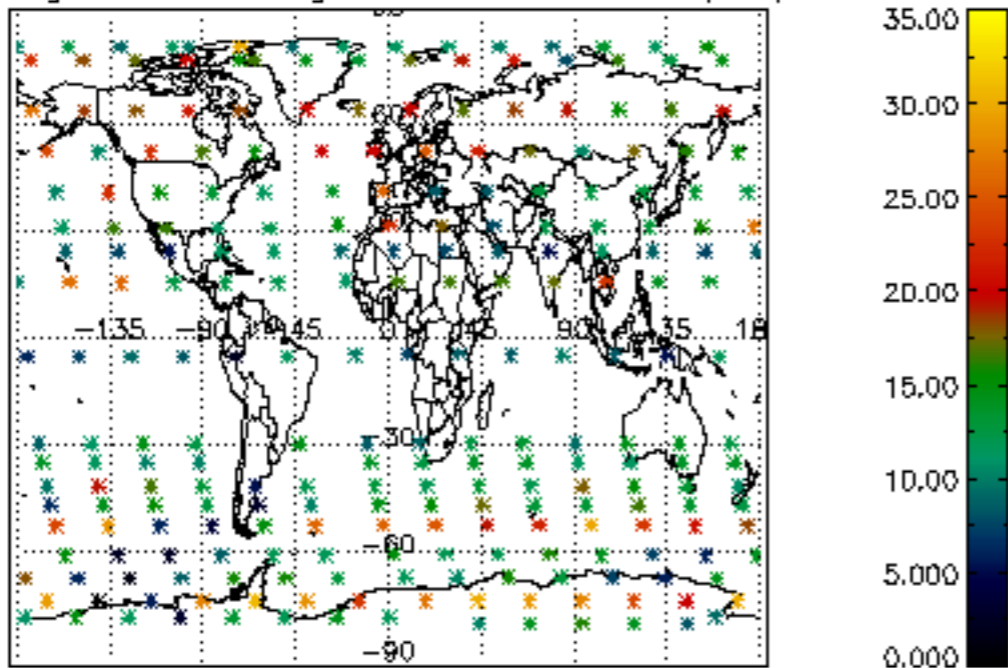
Percentage of cosmic ray hits per profile



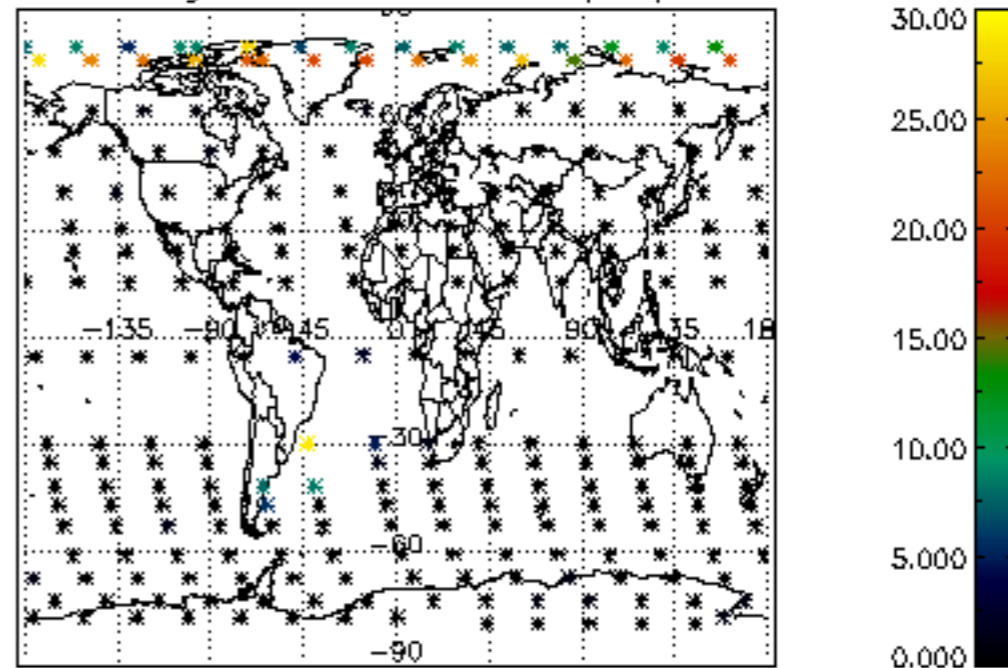
Percentage of datation errors per profile



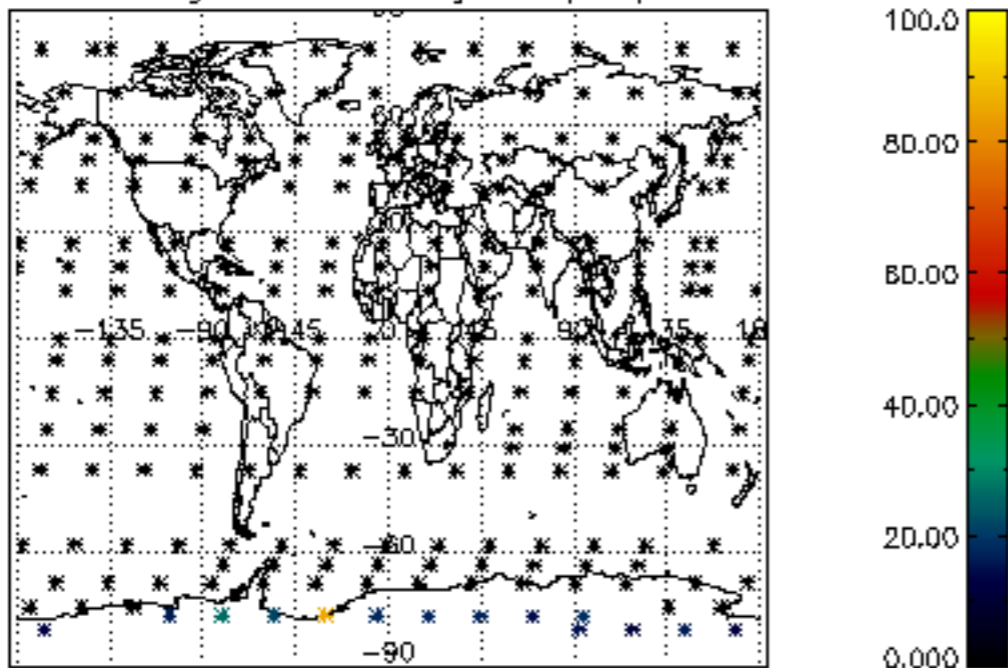
Percentage of star falling outside central band per profile



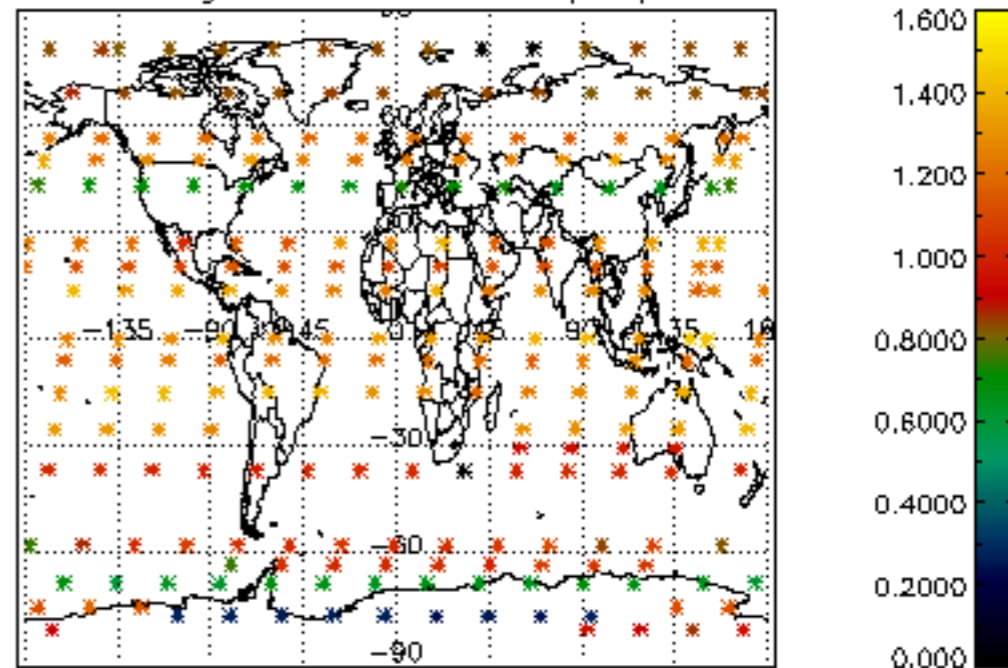
Percentage of saturation errors per profile



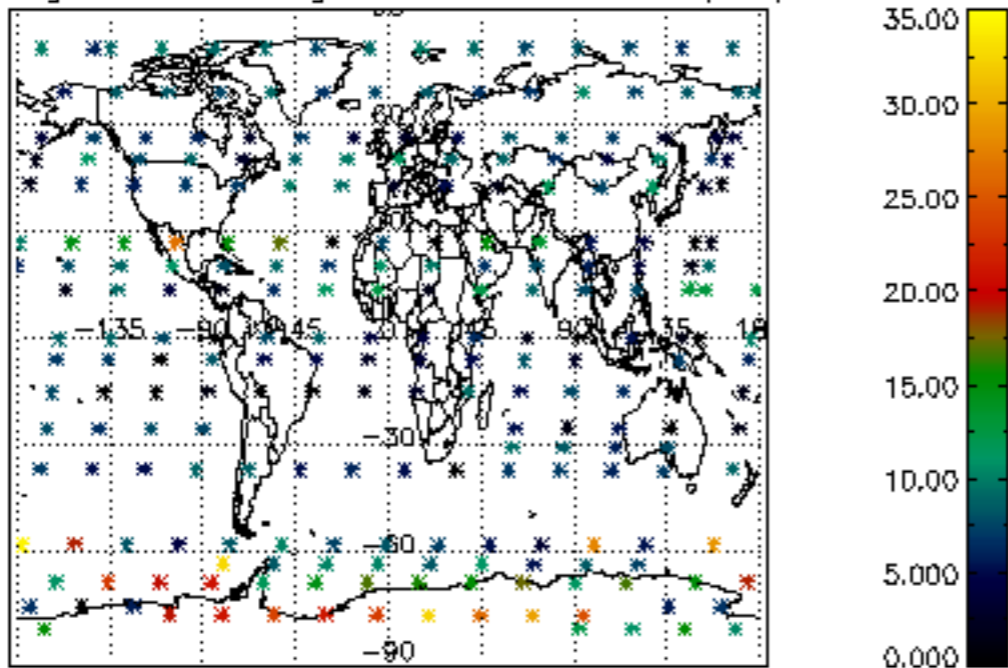
Percentage of cosmic ray hits per profile



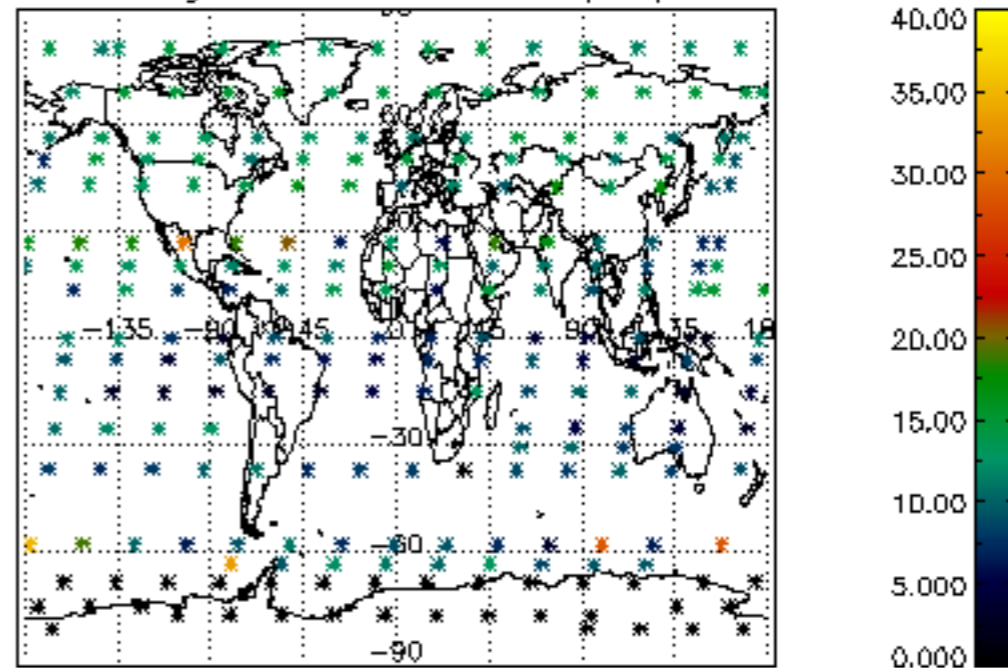
Percentage of datation errors per profile

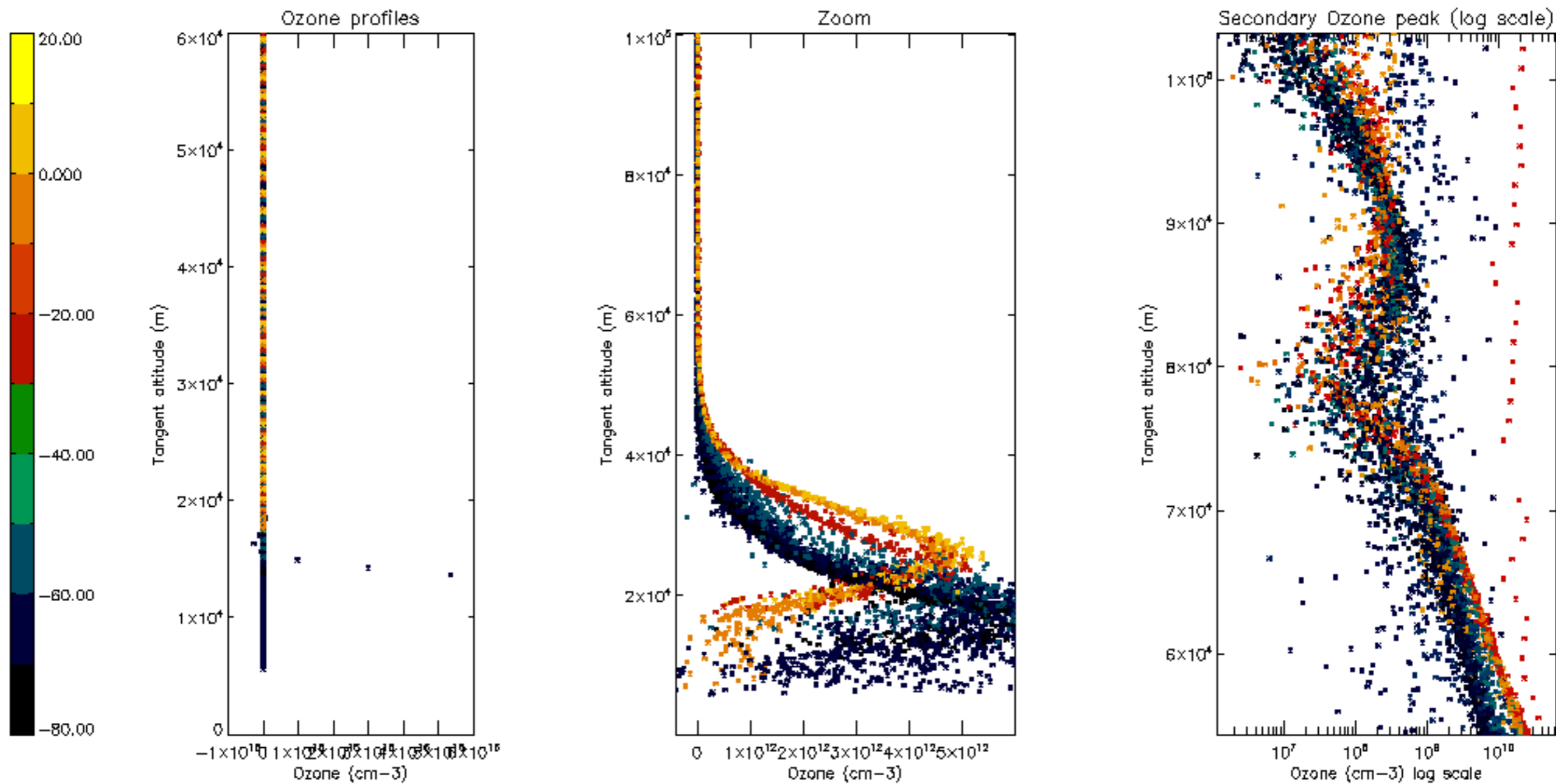


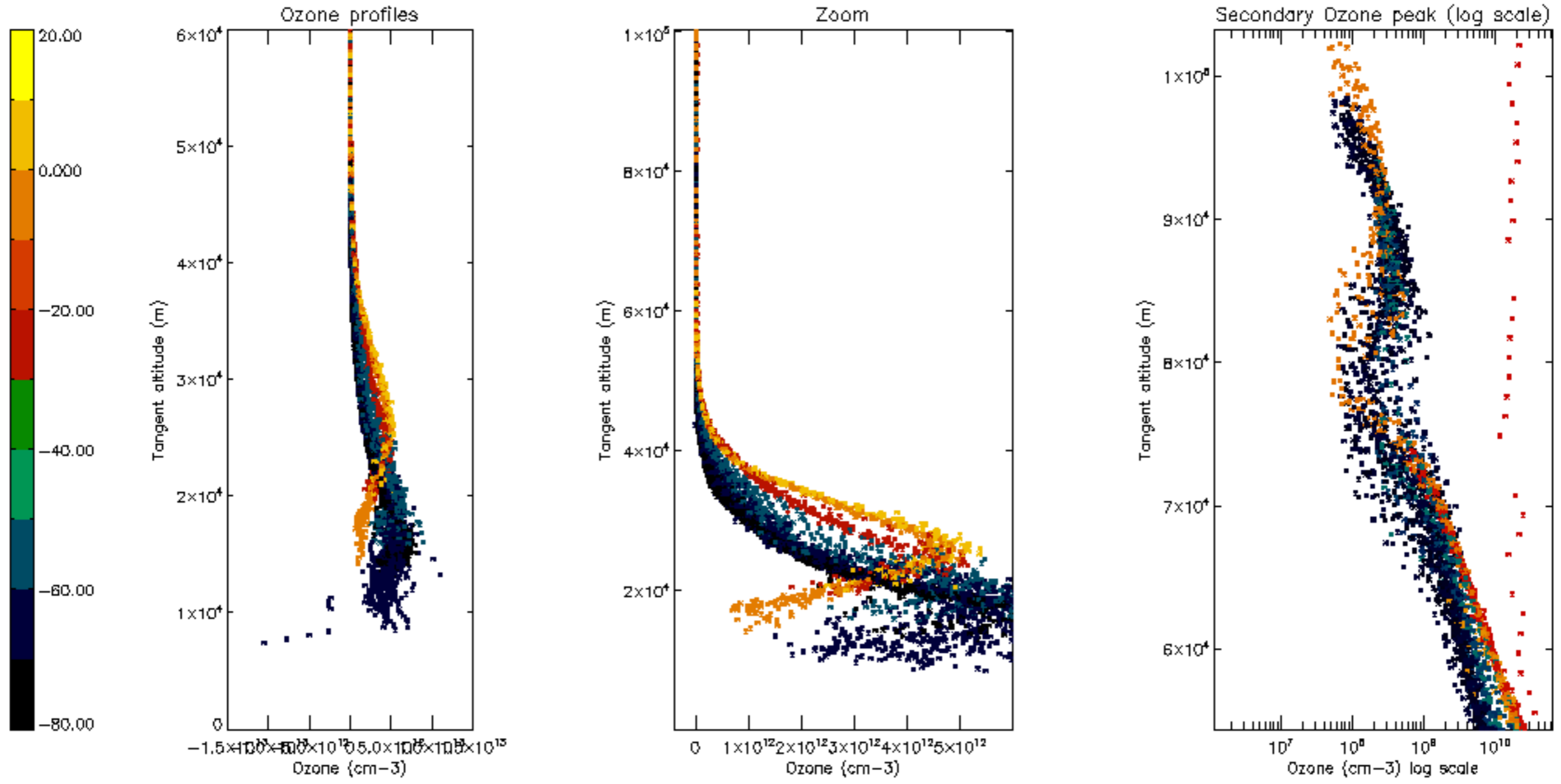
Percentage of star falling outside central band per profile

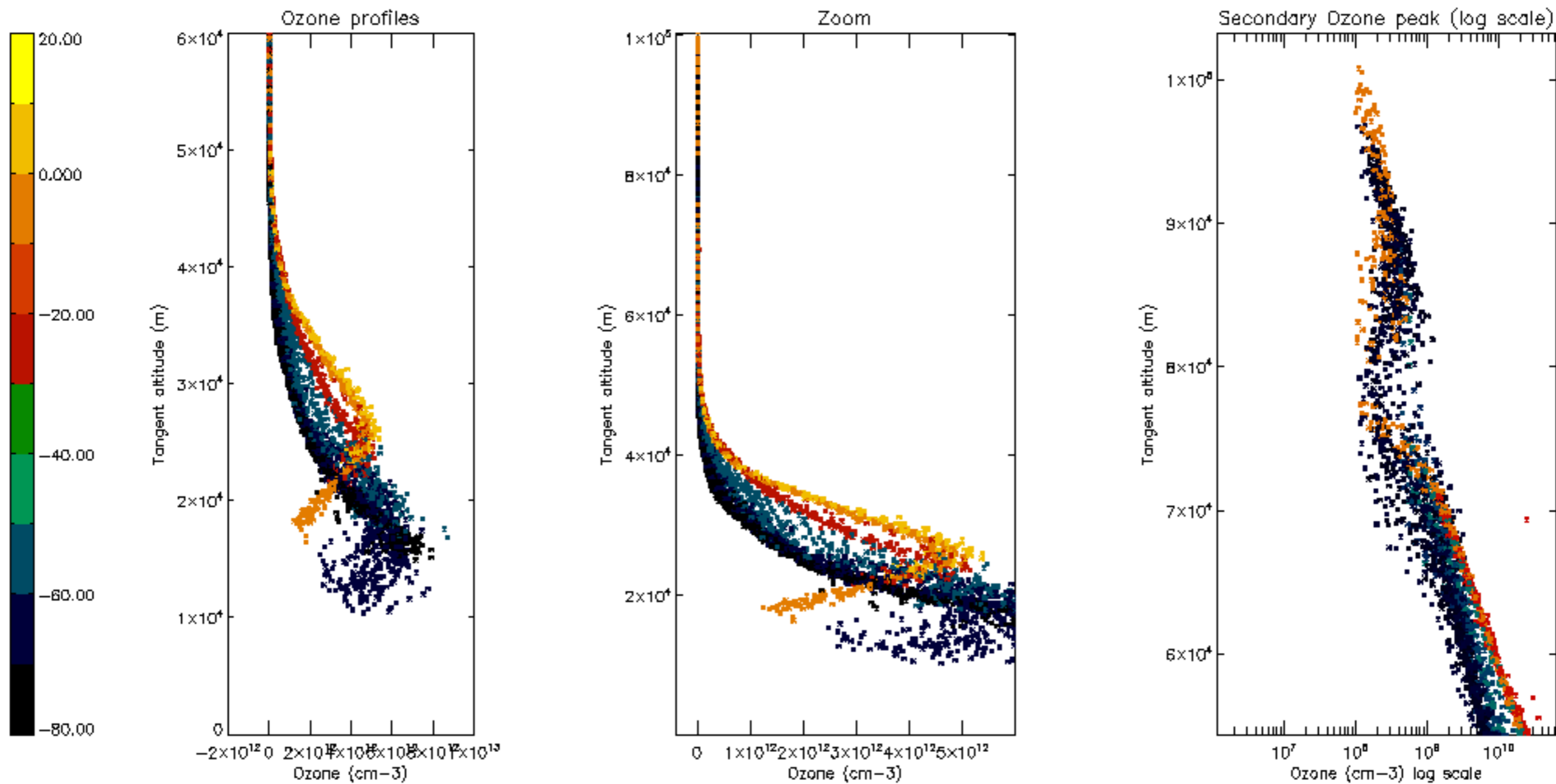


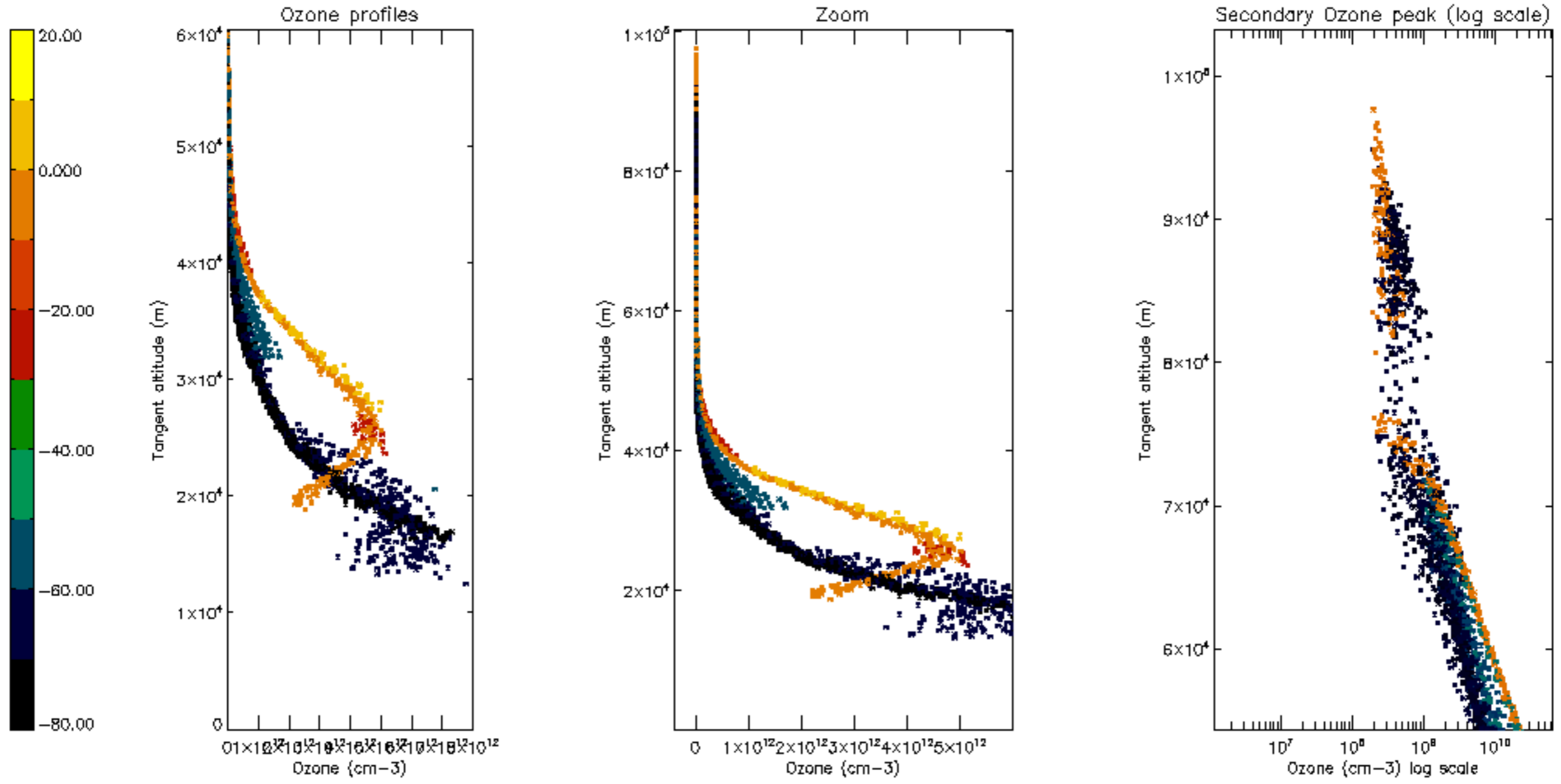
Percentage of saturation errors per profile

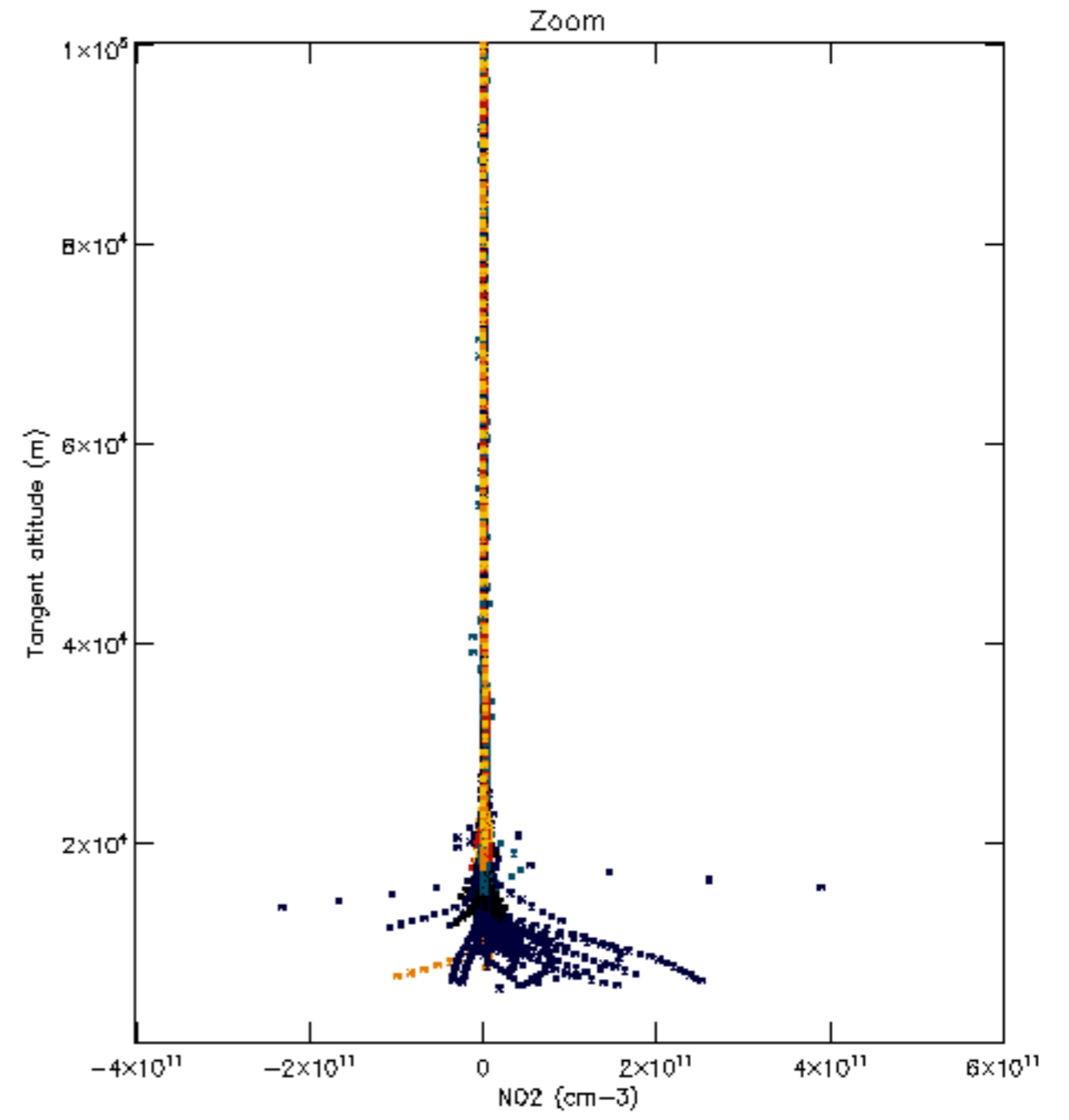
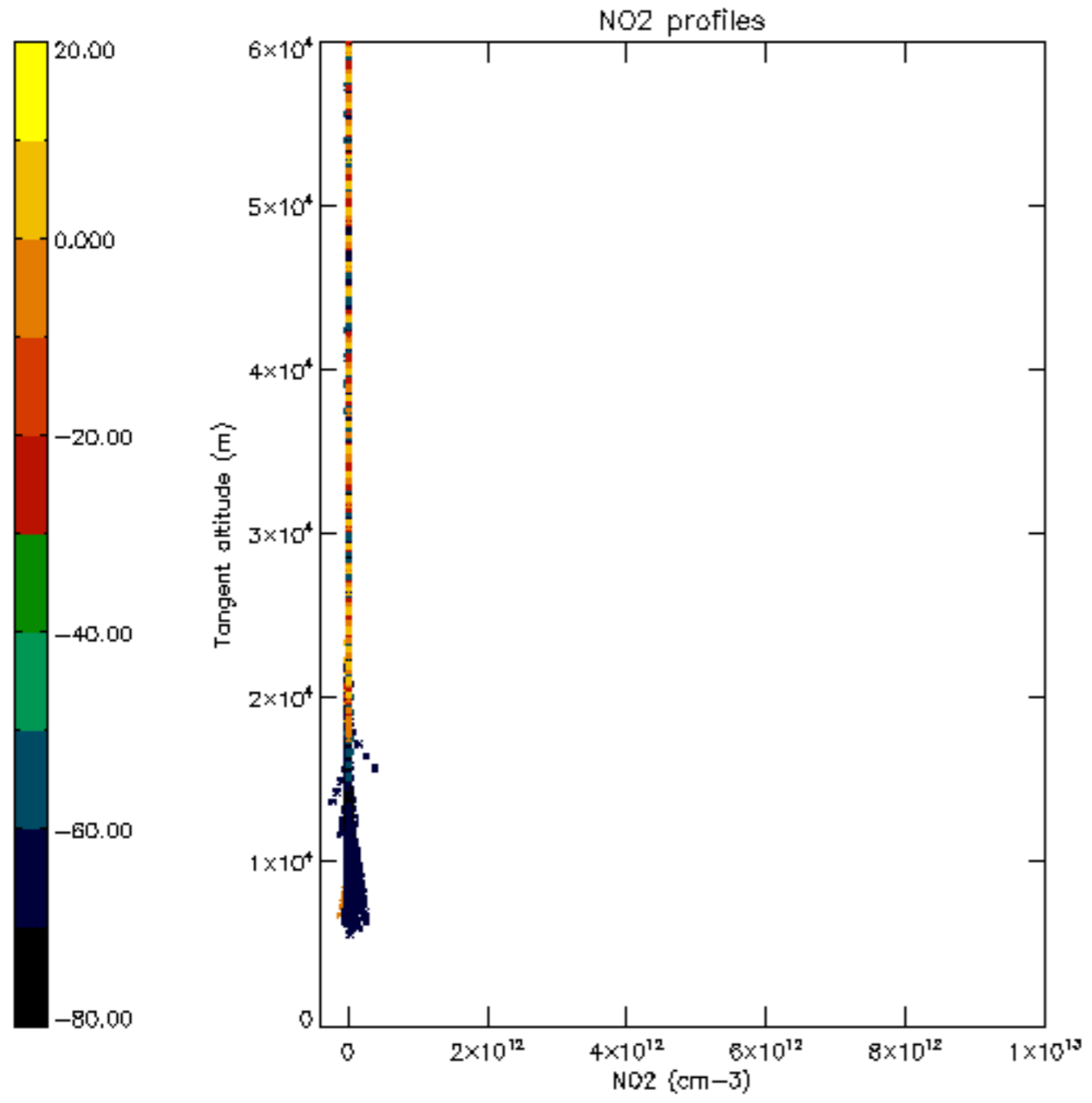


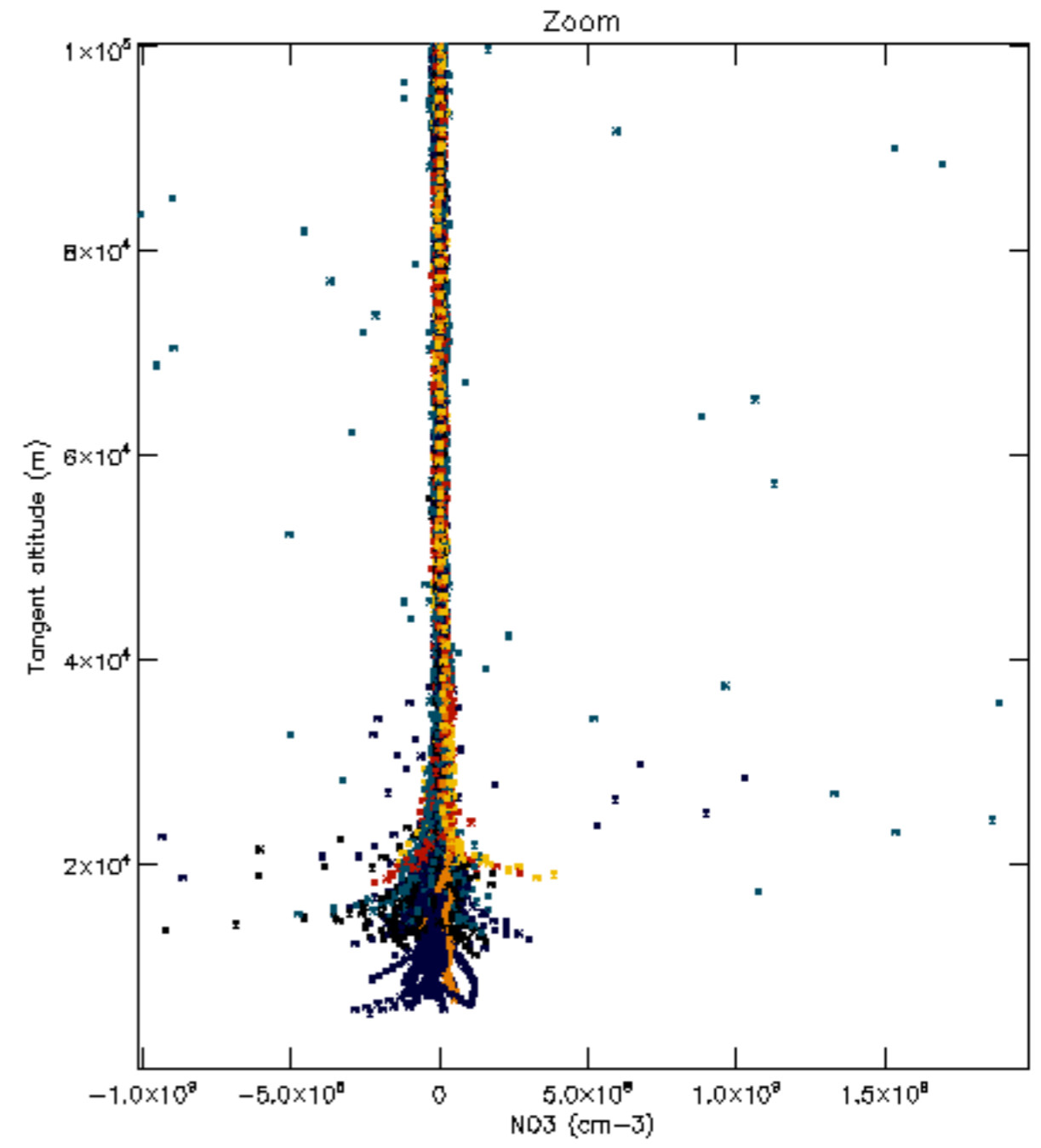
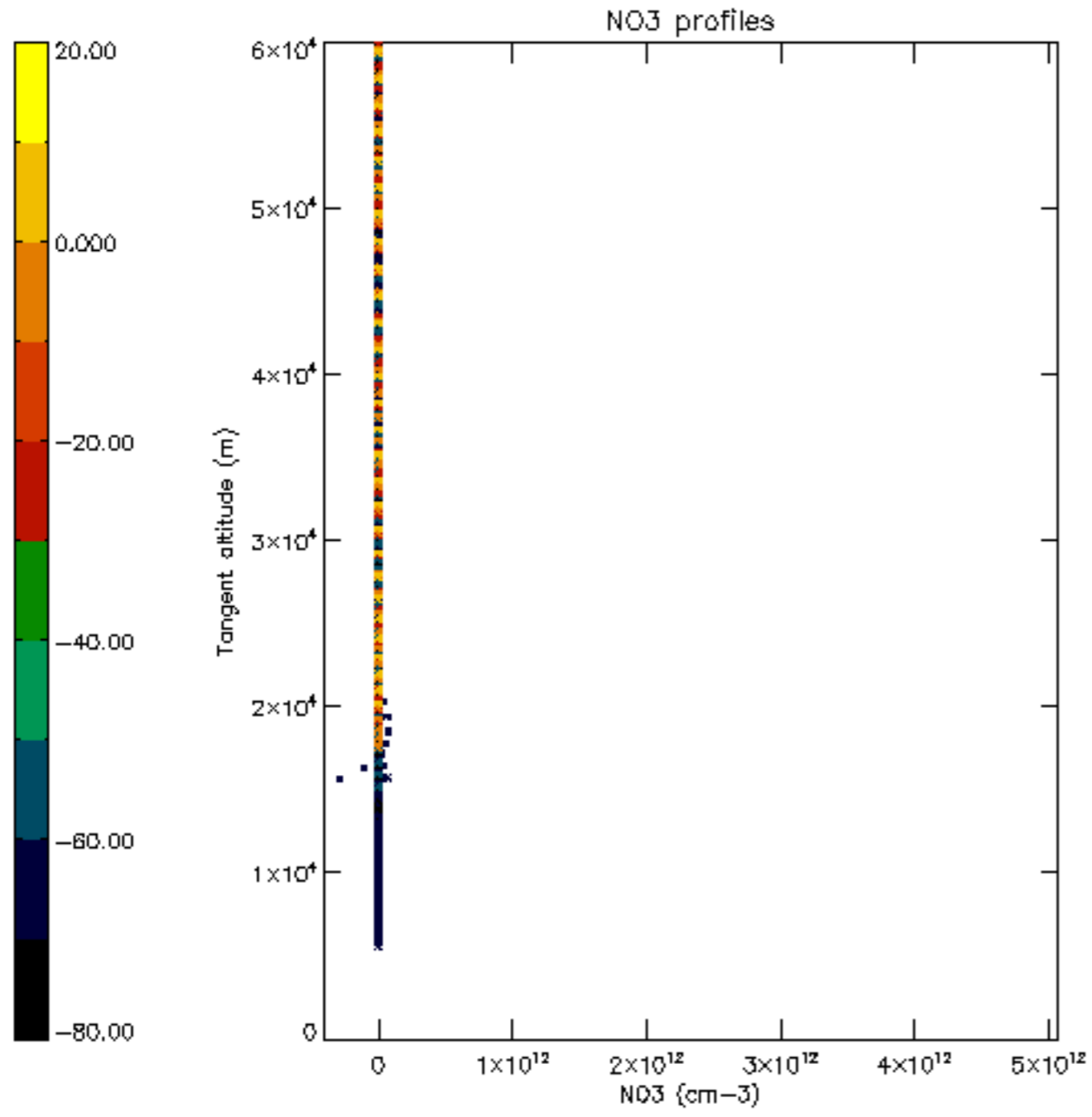




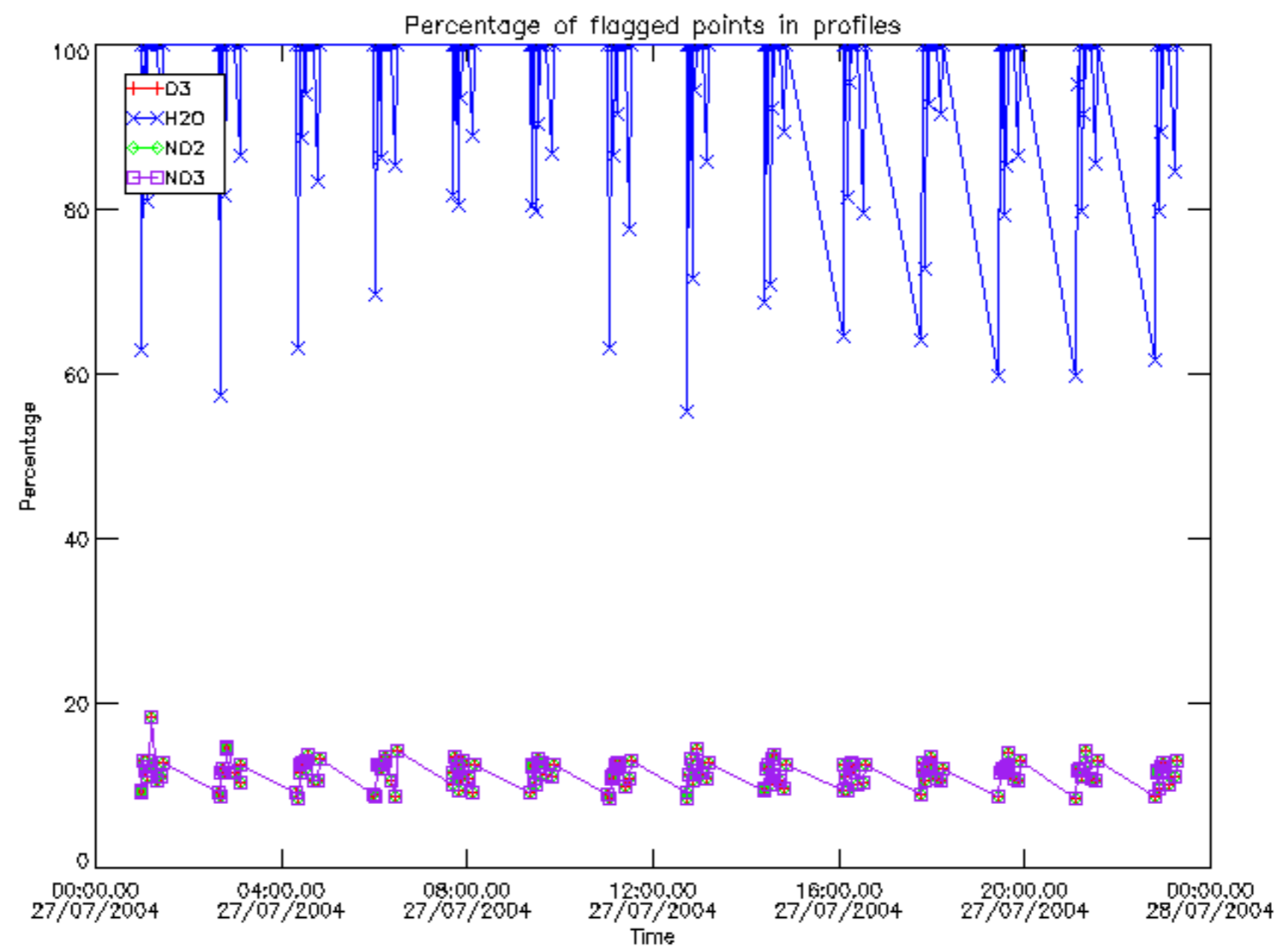




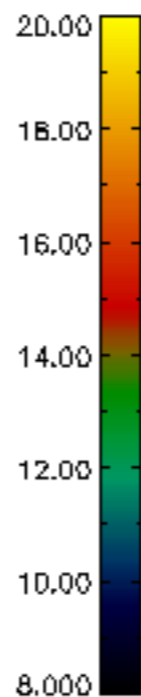
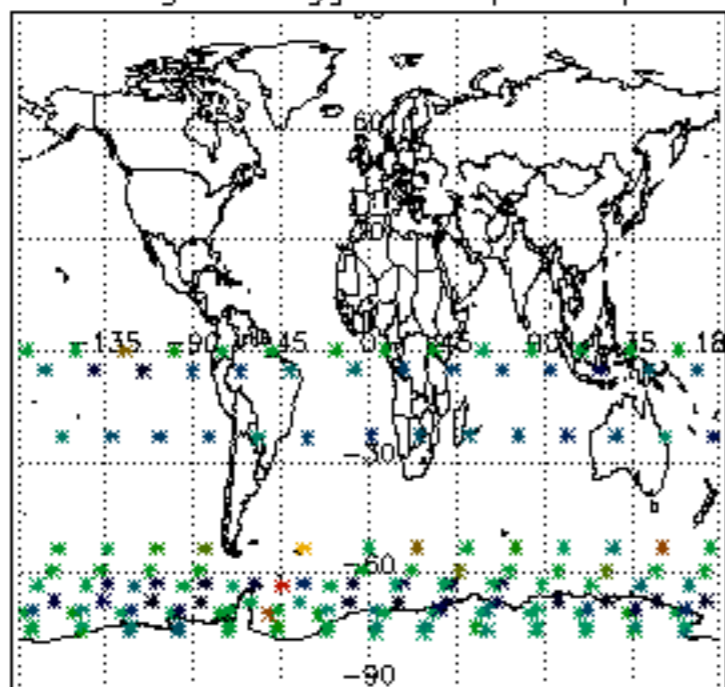




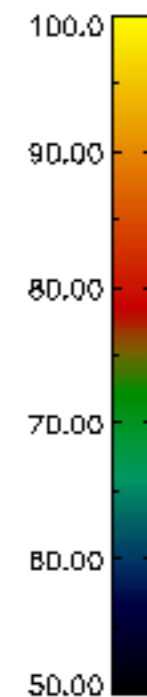
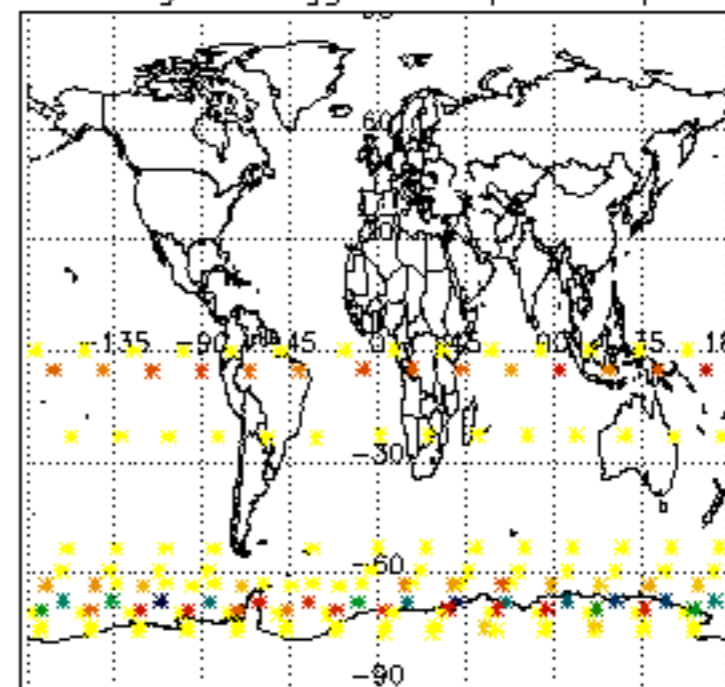




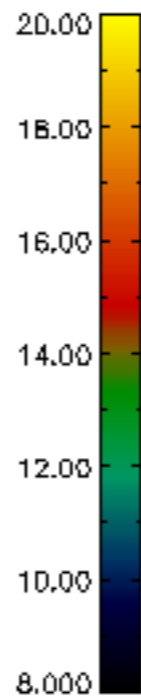
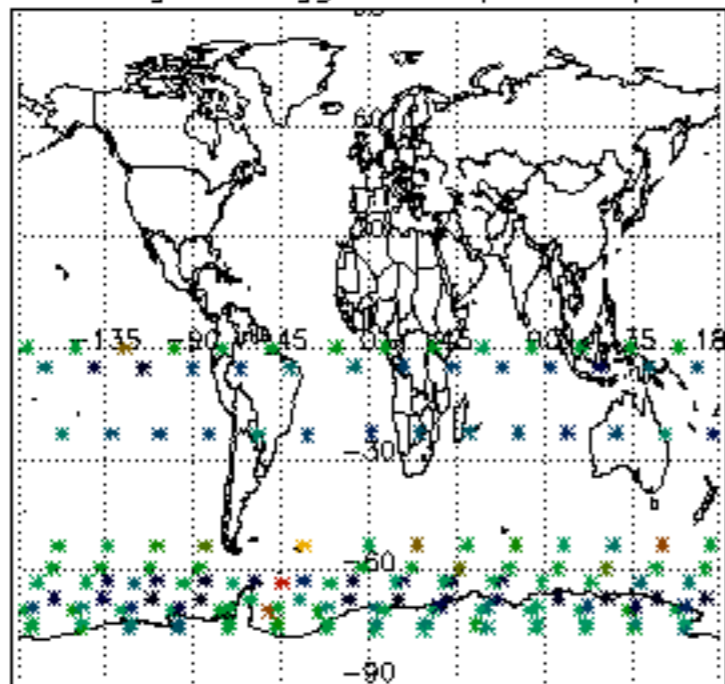
Percentage of flagged data per D3 profile



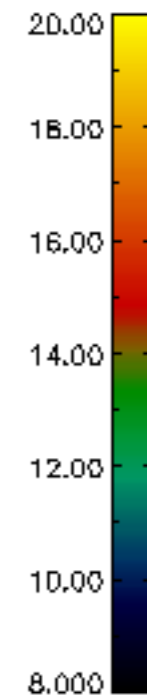
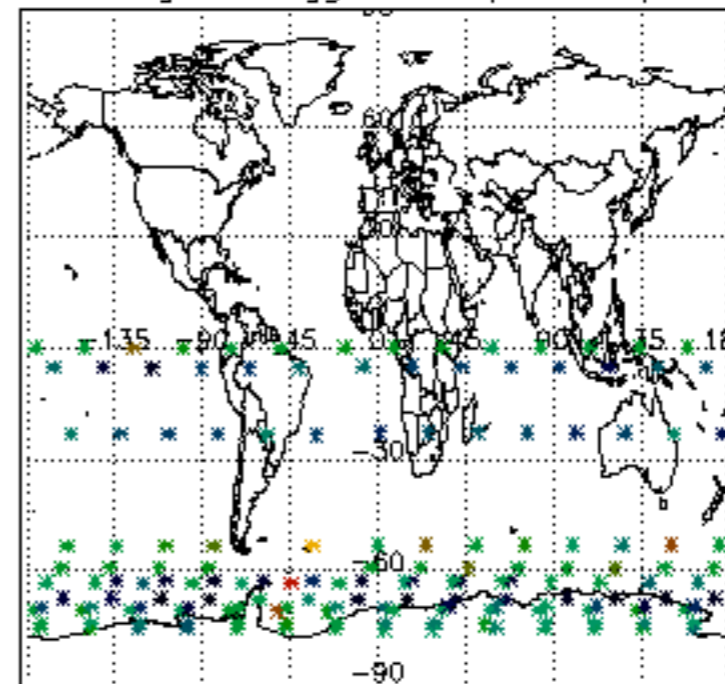
Percentage of flagged data per H2O profile

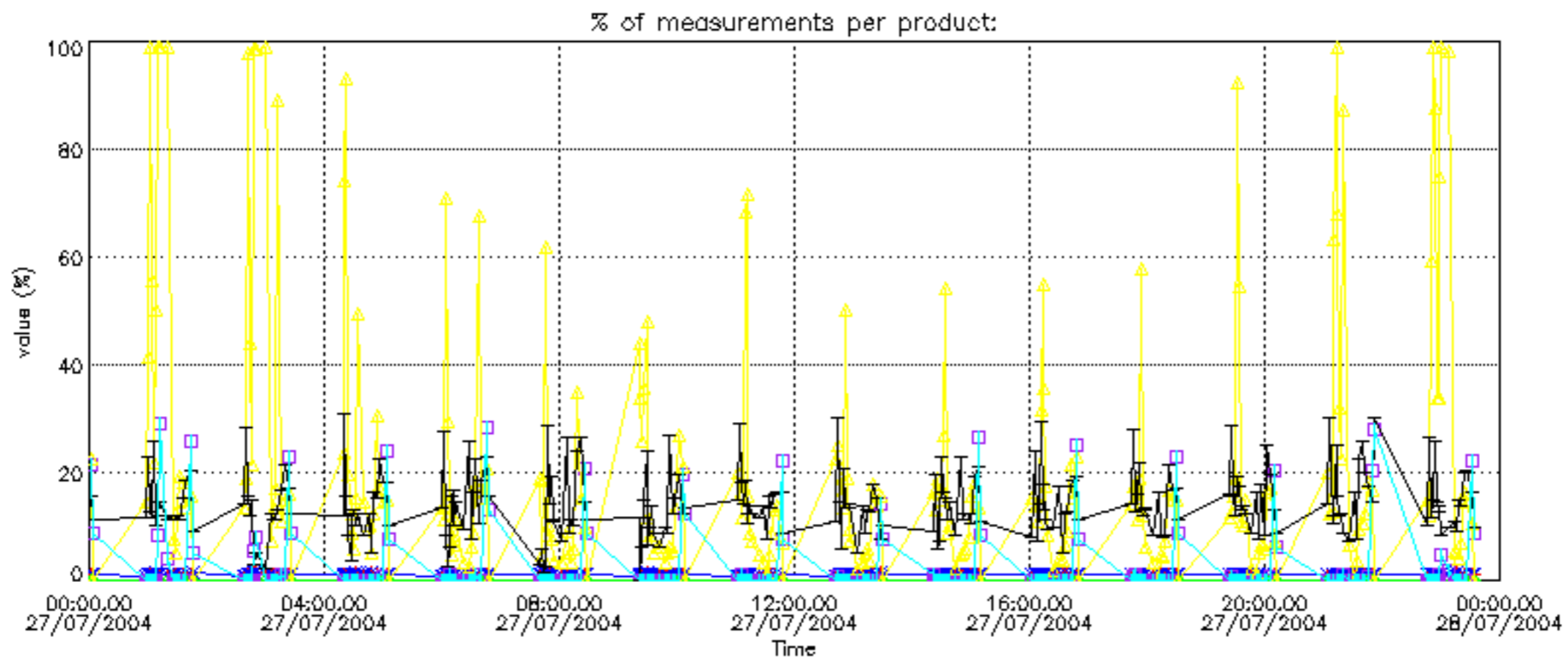


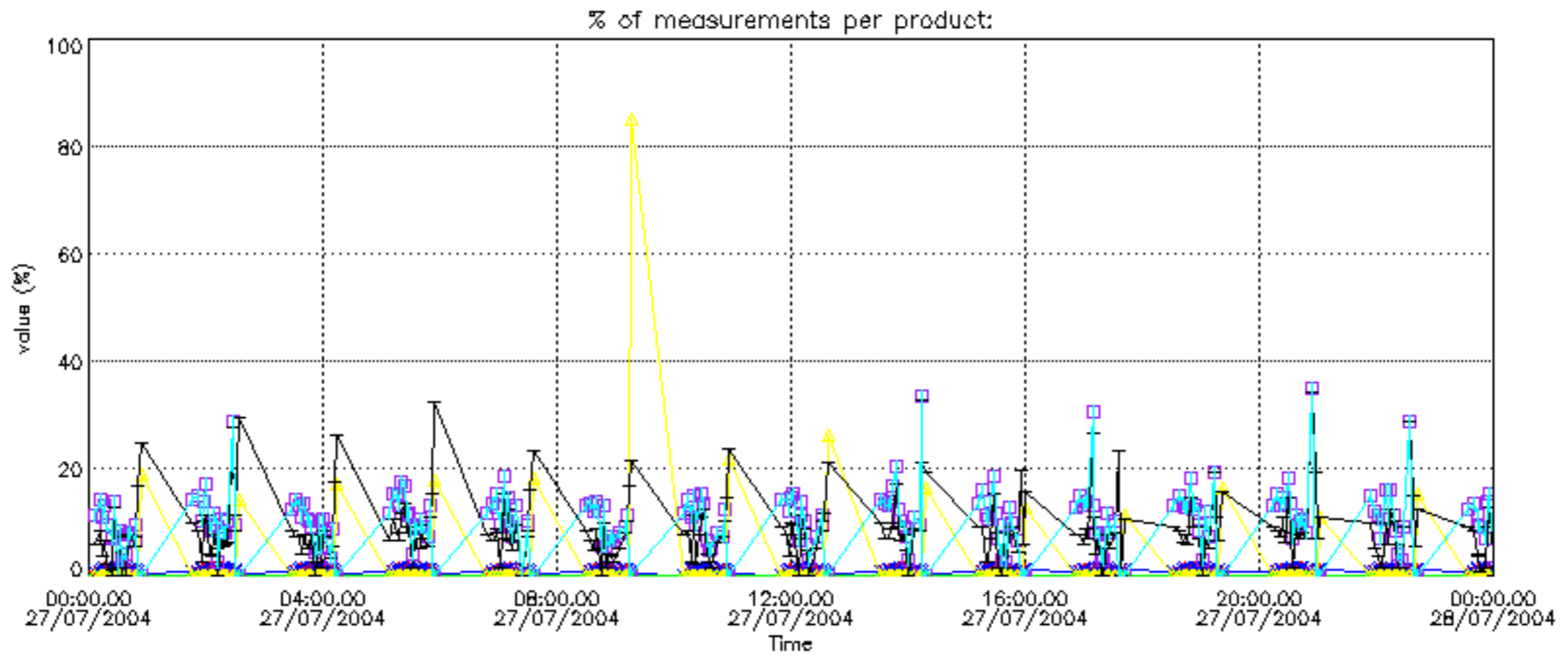
Percentage of flagged data per NO2 profile



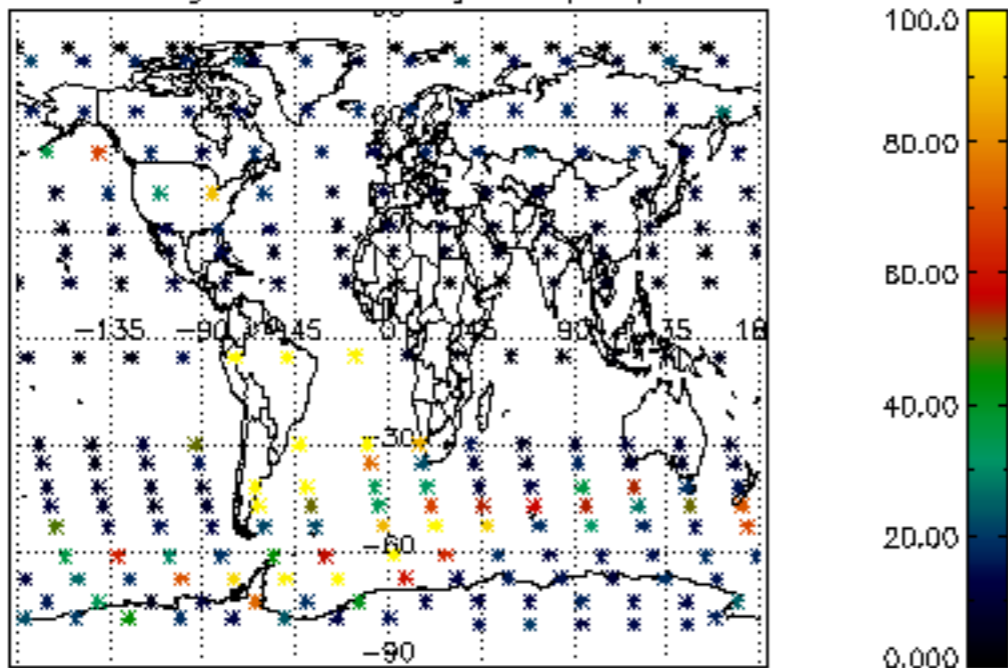
Percentage of flagged data per NO3 profile



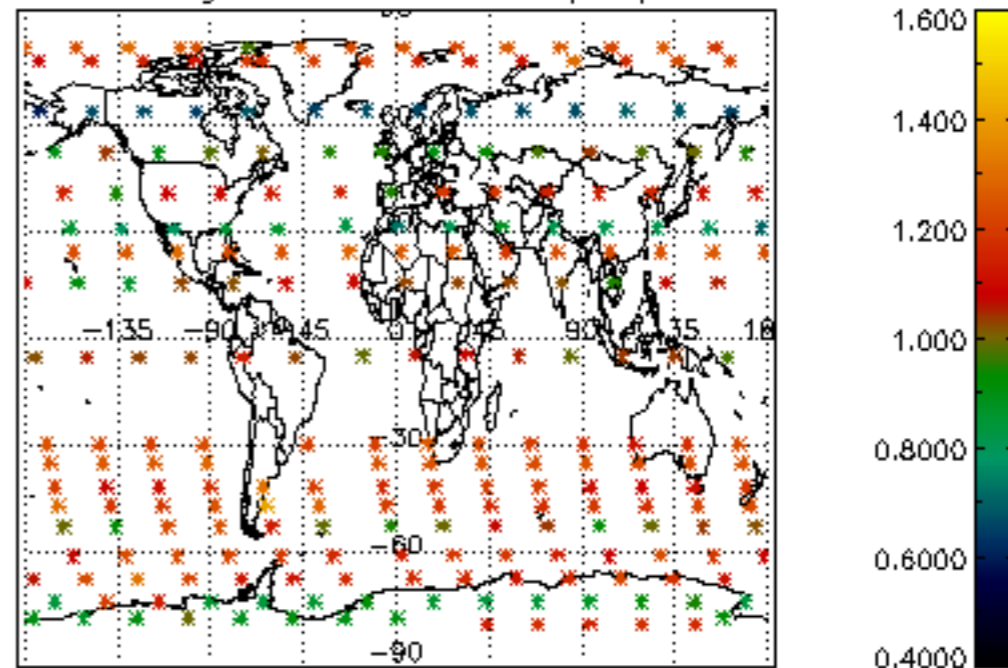




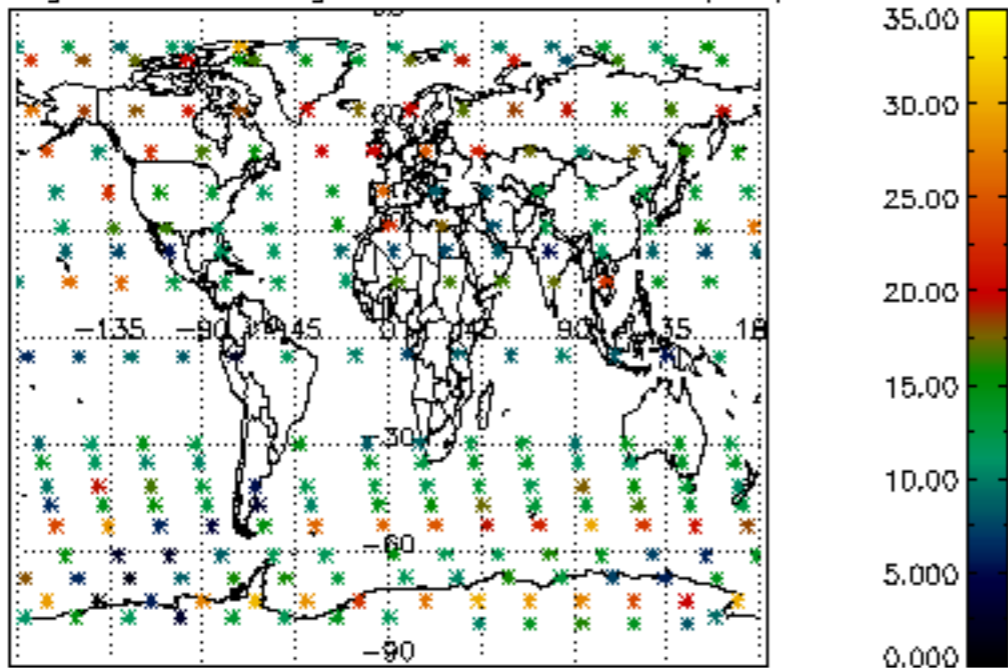
Percentage of cosmic ray hits per profile



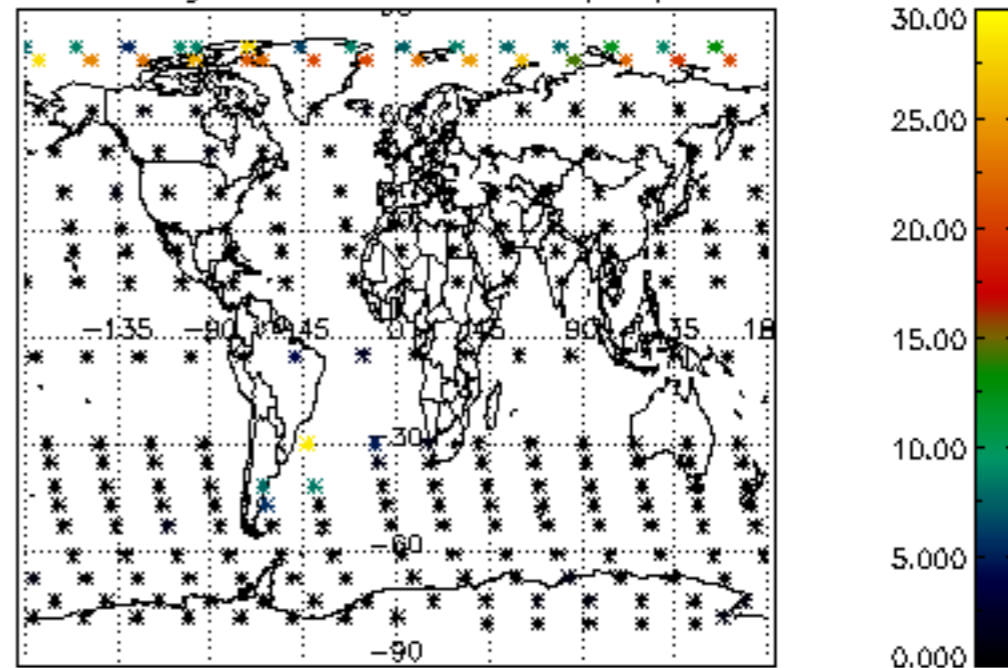
Percentage of datation errors per profile



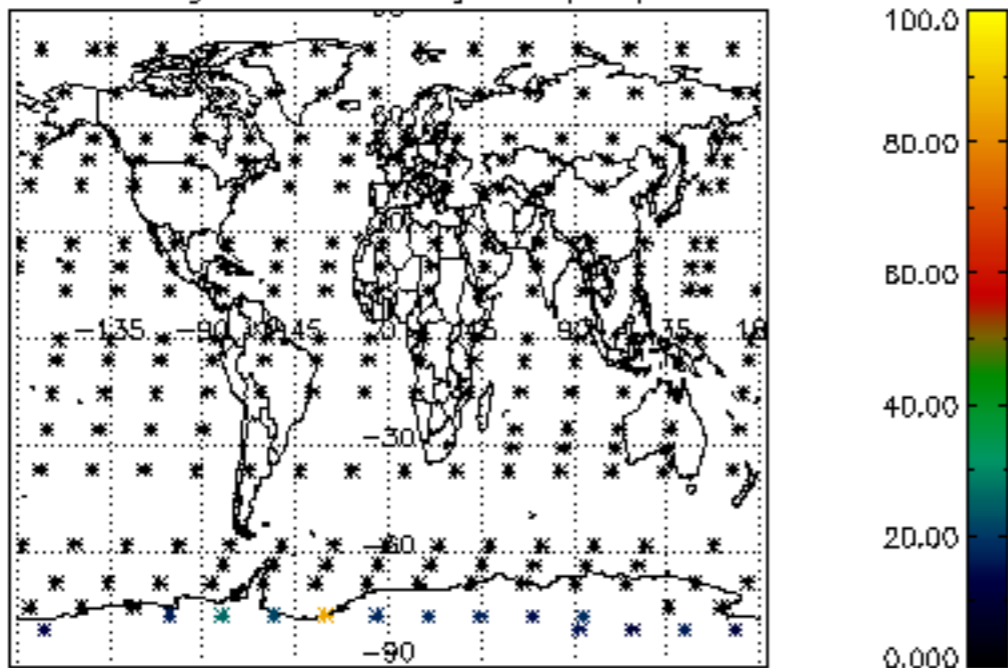
Percentage of star falling outside central band per profile



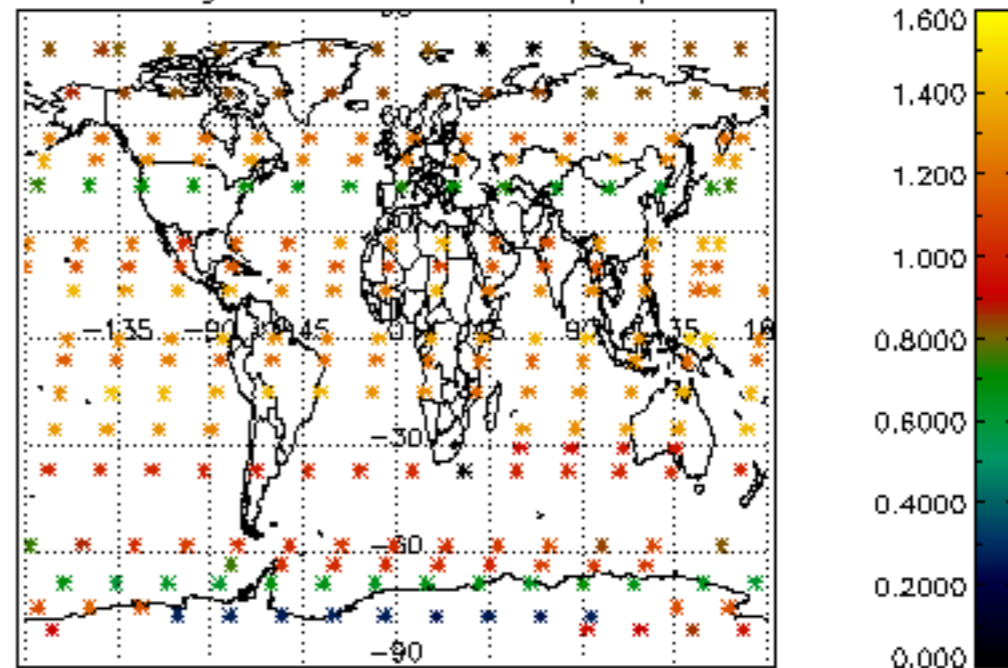
Percentage of saturation errors per profile



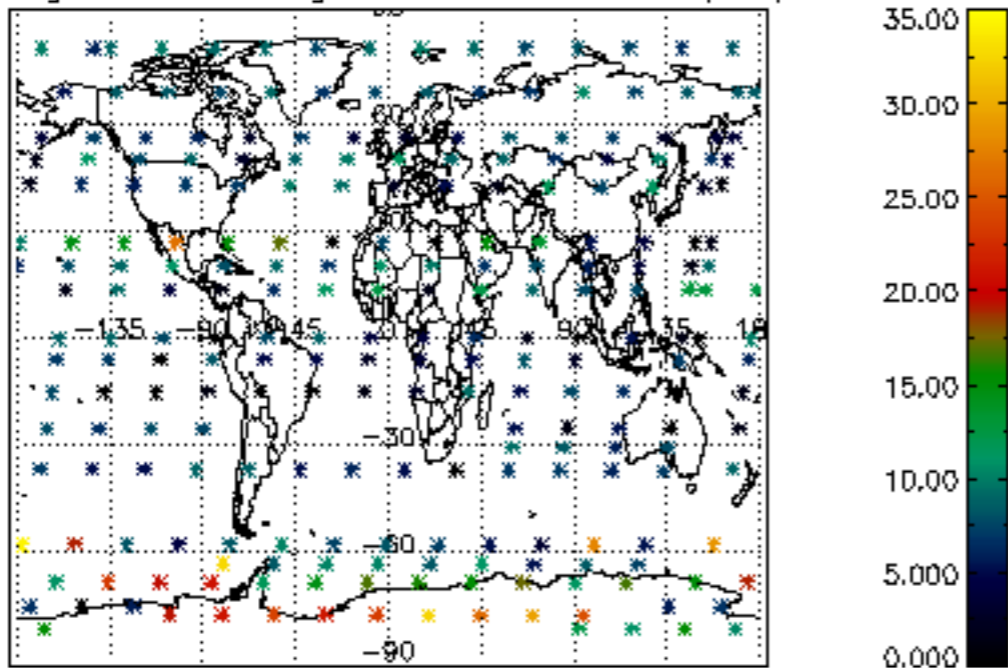
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

