

GOMOS Level 2 Daily Report

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

Item	Value
Time of report generation	19APR2013 01:26:28
Data source version	GOMOS/6.01
Start time of products	06-05-2004 (06MAY2004 00:00:00)
Stop time of products	07-05-2004 (07MAY2004 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	437
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

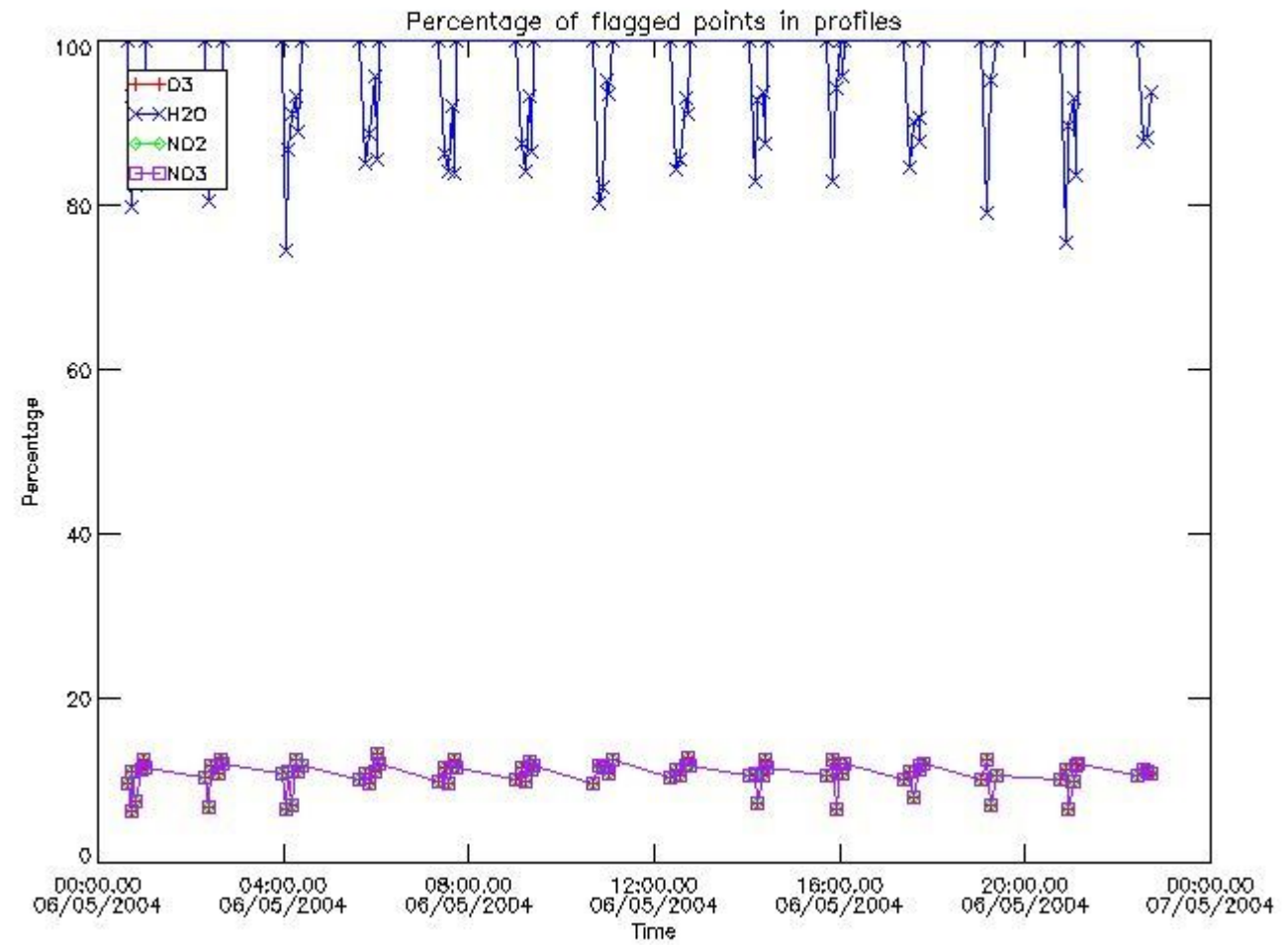
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20040506_000307_000000372026_00331_11407_2211.N1	06-MAY-2004 00:03:07	Bright	36.500	39	85Eta UMa	1.8540	24000.	73	11407	No
2	GOM_NL__2PRFIN20040506_000434_000000362026_00331_11407_2212.N1	06-MAY-2004 00:04:34	Bright	36.000	55	79Zet UMa	2.0600	10200.	72	11407	No
3	GOM_NL__2PRFIN20040506_000611_000000382026_00331_11407_2213.N1	06-MAY-2004 00:06:11	Bright	37.500	82	48Bet UMa	2.3650	10600.	75	11407	No
4	GOM_NL__2PRFIN20040506_000724_000000422026_00331_11407_2214.N1	06-MAY-2004 00:07:24	Bright	41.500	36	50Alp UMa	1.8000	6300.0	83	11407	No
5	GOM_NL__2PRFIN20040506_001035_000000402026_00331_11407_2215.N1	06-MAY-2004 00:10:35	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	11407	No
6	GOM_NL__2PRFIN20040506_001210_000000552026_00331_11407_2216.N1	06-MAY-2004 00:12:10	Bright	55.000	130	23Bet Dra	2.7990	5800.0	110	11407	No
7	GOM_NL__2PRFIN20040506_001436_000000372026_00331_11407_2217.N1	06-MAY-2004 00:14:36	Bright	37.000	49	1Alp UMi	1.9900	6300.0	74	11407	No
8	GOM_NL__2PRFIN20040506_002035_000000442026_00331_11407_2218.N1	06-MAY-2004 00:20:35	Bright	44.000	89	5Alp Cep	2.4510	8000.0	88	11407	No
9	GOM_NL__2PRFIN20040506_002242_000000362026_00331_11407_2219.N1	06-MAY-2004 00:22:42	Bright	35.500	76	27Gam Cas	2.3000	30000.	71	11407	No
10	GOM_NL__2PRFIN20040506_002355_000000392026_00331_11407_2220.N1	06-MAY-2004 00:23:55	Bright	39.000	68	18Alp Cas	2.2250	4500.0	78	11407	No
11	GOM_NL__2PRFIN20040506_002540_000000652026_00331_11407_2221.N1	06-MAY-2004 00:25:40	Bright	65.000	19	50Alp Cyg	1.2460	10500.	130	11407	No
12	GOM_NL__2PRFIN20040506_002738_000000802026_00331_11407_2222.N1	06-MAY-2004 00:27:38	Bright	79.500	66	37Gam Cyg	2.2080	5900.0	159	11407	No
13	GOM_NL__2PRFIN20040506_003150_000000992026_00331_11407_2223.N1	06-MAY-2004 00:31:50	Twilight	98.500	92	53Eps Cyg	2.5000	4500.0	197	11407	No
14	GOM_NL__2PRFIN20040506_003711_000000532026_00331_11407_2224.N1	06-MAY-2004 00:37:11	Dark	52.500	90	54Alp Peg	2.4870	11000.	105	11407	No
15	GOM_NL__2PRFIN20040506_004217_000000822026_00331_11407_2225.N1	06-MAY-2004 00:42:17	Dark	81.500	61	8Eps Peg	2.1000	3900.0	163	11407	No
16	GOM_NL__2PRFIN20040506_004446_000000462026_00331_11407_2226.N1	06-MAY-2004 00:44:46	Dark	45.500	52	16Bet Cet	2.0370	4500.0	91	11407	No
17	GOM_NL__2PRFIN20040506_004900_000000752026_00331_11407_2227.N1	06-MAY-2004 00:49:00	Dark	74.500	154	22Bet Aqr	2.8990	5700.0	149	11407	No
18	GOM_NL__2PRFIN20040506_005604_000000452026_00331_11407_2228.N1	06-MAY-2004 00:56:04	Dark	45.000	31	Alp Gru	1.7340	15200.	90	11407	No
19	GOM_NL__2PRFIN20040506_005825_000000412026_00332_11408_2196.N1	06-MAY-2004 00:58:25	Dark	41.000	148	Alp Tuc	2.8780	4100.0	82	11408	No
20	GOM_NL__2PRFIN20040506_010138_000000442026_00332_11408_2197.N1	06-MAY-2004 01:01:38	Dark	44.000	45	Alp Pav	1.9400	26000.	88	11408	No
21	GOM_NL__2PRFIN20040506_010750_000000432026_00332_11408_2198.N1	06-MAY-2004 01:07:50	Straylight	43.000	43	Alp TrA	1.9100	4250.0	86	11408	No
22	GOM_NL__2PRFIN20040506_010929_000000402026_00332_11408_2199.N1	06-MAY-2004 01:09:29	Straylight	39.500	145	Gam TrA	2.8720	10600.	79	11408	No
23	GOM_NL__2PRFIN20040506_011158_000000472026_00332_11408_2200.N1	06-MAY-2004 01:11:58	Straylight	47.000	4	Alp1Cen	-0.010000	5800.0	94	11408	No
24	GOM_NL__2PRFIN20040506_011439_000000412026_00332_11408_2201.N1	06-MAY-2004 01:14:39	Straylight	40.500	77	Eps Cen	2.3030	28000.	81	11408	No
25	GOM_NL__2PRFIN20040506_011618_000000422026_00332_11408_2202.N1	06-MAY-2004 01:16:18	Straylight	42.000	109	Bet Lup	2.6770	26000.	84	11408	No
26	GOM_NL__2PRFIN20040506_011928_000000752026_00332_11408_2203.N1	06-MAY-2004 01:19:28	Twilight	74.500	16	21Alp Sco	1.0200	3000.0	149	11408	No
27	GOM_NL__2PRFIN20040506_012352_000000832026_00332_11408_2204.N1	06-MAY-2004 01:23:52	Bright	83.000	86	35Eta Oph	2.4300	10200.	166	11408	No
28	GOM_NL__2PRFIN20040506_012632_000000462026_00332_11408_2205.N1	06-MAY-2004 01:26:32	Bright	46.000	104	27Bet Lib	2.6140	13100.	92	11408	No
29	GOM_NL__2PRFIN20040506_012938_000000382026_00332_11408_2206.N1	06-MAY-2004 01:29:38	Bright	37.500	121	29Gam Vir	2.7400	7200.0	75	11408	No
30	GOM_NL__2PRFIN20040506_013249_000000382026_00332_11408_2207.N1	06-MAY-2004 01:32:49	Bright	37.500	138	47Eps Vir	2.8280	4700.0	75	11408	No
31	GOM_NL__2PRFIN20040506_013450_000000392026_00332_11408_2208.N1	06-MAY-2004 01:34:50	Bright	39.000	111	8Eta Boo	2.6800	6000.0	78	11408	No
32	GOM_NL__2PRFIN20040506_013808_000000432026_00332_11408_2209.N1	06-MAY-2004 01:38:08	Bright	42.500	83		2.3780	11000.	85	11408	No
33	GOM_NL__2PRFIN20040506_014029_000000362026_00332_11408_2210.N1	06-MAY-2004 01:40:29	Bright	35.500	152	12Alp2CVn	2.8900	11000.	71	11408	No
34	GOM_NL__2PRFIN20040506_014343_000000402026_00332_11408_2211.N1	06-MAY-2004 01:43:43	Bright	39.500	39	85Eta UMa	1.8540	24000.	79	11408	No
35	GOM_NL__2PRFIN20040506_014509_000000382026_00332_11408_2212.N1	06-MAY-2004 01:45:09	Bright	37.500	55	79Zet UMa	2.0600	10200.	75	11408	No
36	GOM_NL__2PRFIN20040506_014648_000000362026_00332_11408_2213.N1	06-MAY-2004 01:46:48	Bright	35.500	82	48Bet UMa	2.3650	10600.	71	11408	No
37	GOM_NL__2PRFIN20040506_014800_000000422026_00332_11408_2214.N1	06-MAY-2004 01:48:00	Bright	41.500	36	50Alp UMa	1.8000	6300.0	83	11408	No
38	GOM_NL__2PRFIN20040506_015111_000000402026_00332_11408_2215.N1	06-MAY-2004 01:51:11	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	11408	No
39	GOM_NL__2PRFIN20040506_015244_000000522026_00332_11408_2216.N1	06-MAY-2004 01:52:44	Bright	51.500	130	23Bet Dra	2.7990	5800.0	103	11408	No
40	GOM_NL__2PRFIN20040506_015512_000000352026_00332_11408_2217.N1	06-MAY-2004 01:55:12	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	11408	No
41	GOM_NL__2PRFIN20040506_020110_000000442026_00332_11408_2218.N1	06-MAY-2004 02:01:10	Bright	44.000	89	5Alp Cep	2.4510	8000.0	88	11408	No
42	GOM_NL__2PRFIN20040506_020318_000000382026_00332_11408_2219.N1	06-MAY-2004 02:03:18	Bright	38.000	76	27Gam Cas	2.3000	30000.	76	11408	No

397	GOM_NL__2PRFIN20040506_203107_000000392026_00343_11419_2323.N1	06-MAY-2004 20:31:07	Bright	38.500	68	18Alp Cas	2.2250	4500.0	77	11419	No
398	GOM_NL__2PRFIN20040506_203244_000000652026_00343_11419_2324.N1	06-MAY-2004 20:32:44	Bright	65.000	19	50Alp Cyg	1.2460	10500.	130	11419	No
399	GOM_NL__2PRFIN20040506_203443_000000882026_00343_11419_2325.N1	06-MAY-2004 20:34:43	Bright	87.500	66	37Gam Cyg	2.2080	5900.0	175	11419	No
400	GOM_NL__2PRFIN20040506_203902_000000992026_00343_11419_2326.N1	06-MAY-2004 20:39:02	Twilight	99.000	92	53Eps Cyg	2.5000	4500.0	198	11419	No
401	GOM_NL__2PRFIN20040506_204426_000000512026_00343_11419_2327.N1	06-MAY-2004 20:44:26	Dark	50.500	90	54Alp Peg	2.4870	11000.	101	11419	No
402	GOM_NL__2PRFIN20040506_205158_000000452026_00343_11419_2328.N1	06-MAY-2004 20:51:58	Dark	45.000	52	16Bet Cet	2.0370	4500.0	90	11419	No
403	GOM_NL__2PRFIN20040506_205630_000000792026_00343_11419_2329.N1	06-MAY-2004 20:56:30	Dark	78.500	154	22Bet Aqr	2.8990	5700.0	157	11419	No
404	GOM_NL__2PRFIN20040506_210323_000000512026_00343_11419_2330.N1	06-MAY-2004 21:03:23	Dark	51.000	31	Alp Gru	1.7340	15200.	102	11419	No
405	GOM_NL__2PRFIN20040506_210541_000000432026_00344_11420_2303.N1	06-MAY-2004 21:05:41	Dark	43.000	148	Alp Tuc	2.8780	4100.0	86	11420	No
406	GOM_NL__2PRFIN20040506_210858_000000422026_00344_11420_2304.N1	06-MAY-2004 21:08:58	Dark	42.000	45	Alp Pav	1.9400	26000.	84	11420	No
407	GOM_NL__2PRFIN20040506_211505_000000412026_00344_11420_2305.N1	06-MAY-2004 21:15:05	Straylight	41.000	43	Alp TrA	1.9100	4250.0	82	11420	No
408	GOM_NL__2PRFIN20040506_211641_000000402026_00344_11420_2306.N1	06-MAY-2004 21:16:41	Straylight	39.500	145	Gam TrA	2.8720	10600.	79	11420	No
409	GOM_NL__2PRFIN20040506_211912_000000522026_00344_11420_2307.N1	06-MAY-2004 21:19:12	Straylight	52.000	4	Alp1Cen	-0.010000	5800.0	104	11420	No
410	GOM_NL__2PRFIN20040506_212241_000000442026_00344_11420_2308.N1	06-MAY-2004 21:22:41	Straylight	44.000	78	Alp Lup	2.3040	28000.	88	11420	No
411	GOM_NL__2PRFIN20040506_212413_000000412026_00344_11420_2309.N1	06-MAY-2004 21:24:13	Straylight	41.000	81	Eta Cen	2.3560	28000.	82	11420	No
412	GOM_NL__2PRFIN20040506_212643_000000672026_00344_11420_2310.N1	06-MAY-2004 21:26:43	Twilight	66.500	16	21Alp Sco	1.0200	3000.0	133	11420	No
413	GOM_NL__2PRFIN20040506_212842_000000572026_00344_11420_2311.N1	06-MAY-2004 21:28:42	Twilight	57.000	80	7Del Sco	2.3160	30000.	114	11420	No
414	GOM_NL__2PRFIN20040506_213104_000000832026_00344_11420_2312.N1	06-MAY-2004 21:31:04	Bright	83.000	86	35Eta Oph	2.4300	10200.	166	11420	No
415	GOM_NL__2PRFIN20040506_213343_000000462026_00344_11420_2313.N1	06-MAY-2004 21:33:43	Bright	45.500	104	27Bet Lib	2.6140	13100.	91	11420	No
416	GOM_NL__2PRFIN20040506_213651_000000372026_00344_11420_2314.N1	06-MAY-2004 21:36:51	Bright	37.000	121	29Gam Vir	2.7400	7200.0	74	11420	No
417	GOM_NL__2PRFIN20040506_214002_000000382026_00344_11420_2315.N1	06-MAY-2004 21:40:02	Bright	37.500	138	47Eps Vir	2.8280	4700.0	75	11420	No
418	GOM_NL__2PRFIN20040506_214201_000000382026_00344_11420_2316.N1	06-MAY-2004 21:42:01	Bright	37.500	111	8Eta Boo	2.6800	6000.0	75	11420	No
419	GOM_NL__2PRFIN20040506_214514_000000432026_00344_11420_2317.N1	06-MAY-2004 21:45:14	Bright	43.000	83		2.3780	11000.	86	11420	No
420	GOM_NL__2PRFIN20040506_214741_000000362026_00344_11420_2318.N1	06-MAY-2004 21:47:41	Bright	36.000	152	12Alp2CVn	2.8900	11000.	72	11420	No
421	GOM_NL__2PRFIN20040506_215053_000000402026_00344_11420_2319.N1	06-MAY-2004 21:50:53	Bright	39.500	39	85Eta UMa	1.8540	24000.	79	11420	No
422	GOM_NL__2PRFIN20040506_215220_000000392026_00344_11420_2320.N1	06-MAY-2004 21:52:20	Bright	38.500	55	79Zet UMa	2.0600	10200.	77	11420	No
423	GOM_NL__2PRFIN20040506_215403_000000392026_00344_11420_2321.N1	06-MAY-2004 21:54:03	Bright	38.500	82	48Bet UMa	2.3650	10600.	77	11420	No
424	GOM_NL__2PRFIN20040506_215517_000000432026_00344_11420_2322.N1	06-MAY-2004 21:55:17	Bright	42.500	36	50Alp UMa	1.8000	6300.0	85	11420	No
425	GOM_NL__2PRFIN20040506_215736_000000452026_00344_11420_2323.N1	06-MAY-2004 21:57:36	Bright	44.500	119	14Eta Dra	2.7270	4700.0	89	11420	No
426	GOM_NL__2PRFIN20040506_215942_000000542026_00344_11420_2324.N1	06-MAY-2004 21:59:42	Bright	53.500	130	23Bet Dra	2.7990	5800.0	107	11420	No
427	GOM_NL__2PRFIN20040506_220224_000000342026_00344_11420_2325.N1	06-MAY-2004 22:02:24	Bright	34.000	49	1Alp UMi	1.9900	6300.0	68	11420	No
428	GOM_NL__2PRFIN20040506_220817_000000442026_00344_11420_2326.N1	06-MAY-2004 22:08:17	Bright	44.000	89	5Alp Cep	2.4510	8000.0	88	11420	No
429	GOM_NL__2PRFIN20040506_221029_000000502026_00344_11420_2327.N1	06-MAY-2004 22:10:29	Bright	49.500	76	27Gam Cas	2.3000	30000.	99	11420	No
430	GOM_NL__2PRFIN20040506_221145_000000392026_00344_11420_2328.N1	06-MAY-2004 22:11:45	Bright	39.000	68	18Alp Cas	2.2250	4500.0	78	11420	No
431	GOM_NL__2PRFIN20040506_221320_000000672026_00344_11420_2329.N1	06-MAY-2004 22:13:20	Bright	66.500	19	50Alp Cyg	1.2460	10500.	133	11420	No
432	GOM_NL__2PRFIN20040506_221519_000000862026_00344_11420_2330.N1	06-MAY-2004 22:15:19	Bright	85.500	66	37Gam Cyg	2.2080	5900.0	171	11420	No
433	GOM_NL__2PRFIN20040506_221938_000000962026_00344_11420_2331.N1	06-MAY-2004 22:19:38	Twilight	96.000	92	53Eps Cyg	2.5000	4500.0	192	11420	No
434	GOM_NL__2PRFIN20040506_222503_000000482026_00344_11420_2332.N1	06-MAY-2004 22:25:03	Dark	48.000	90	54Alp Peg	2.4870	11000.	96	11420	No
435	GOM_NL__2PRFIN20040506_223234_000000452026_00344_11420_2333.N1	06-MAY-2004 22:32:34	Dark	45.000	52	16Bet Cet	2.0370	4500.0	90	11420	No
436	GOM_NL__2PRFIN20040506_223809_000000512026_00344_11420_2334.N1	06-MAY-2004 22:38:09	Dark	51.000	18	24Alp PsA	1.1660	9700.0	102	11420	No
437	GOM_NL__2PRFIN20040506_224400_000000482026_00344_11420_2335.N1	06-MAY-2004 22:44:00	Dark	47.500	31	Alp Gru	1.7340	15200.	95	11420	No

3. Quality information per product

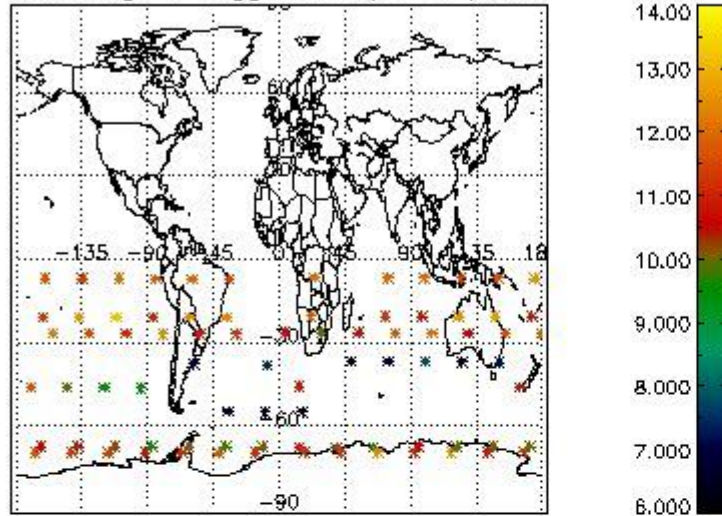
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

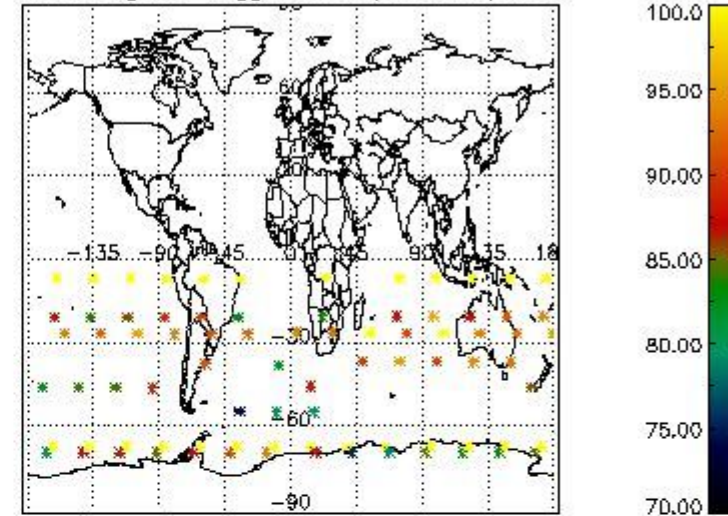


3.2 Plot quality information per product (world map)

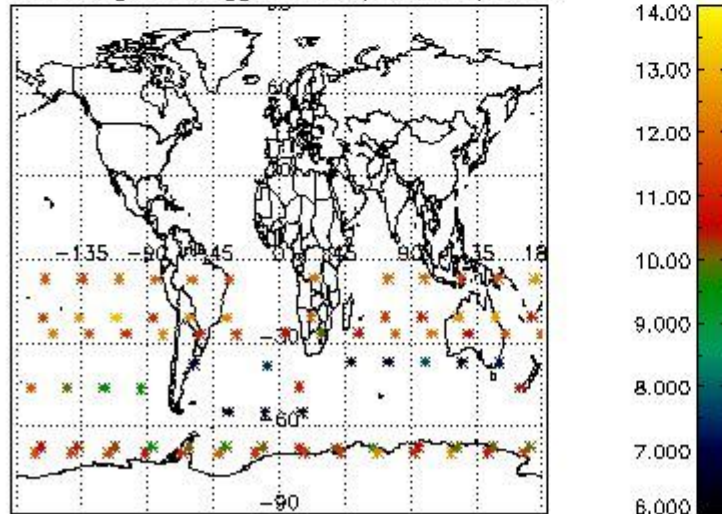
Percentage of flagged data per O3 profile



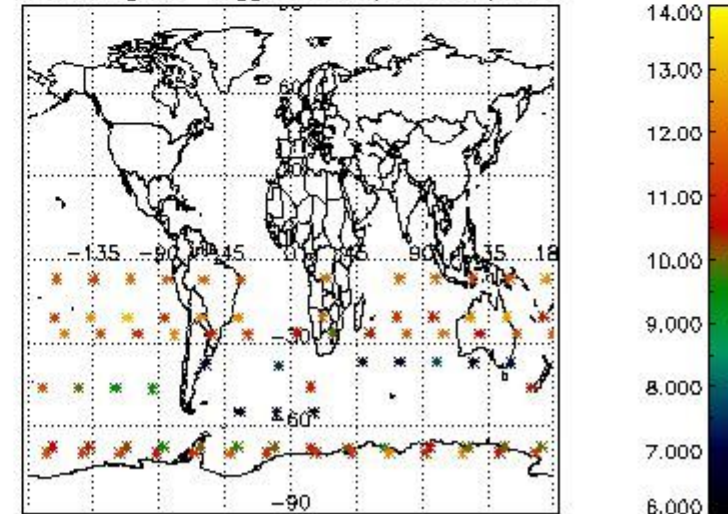
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

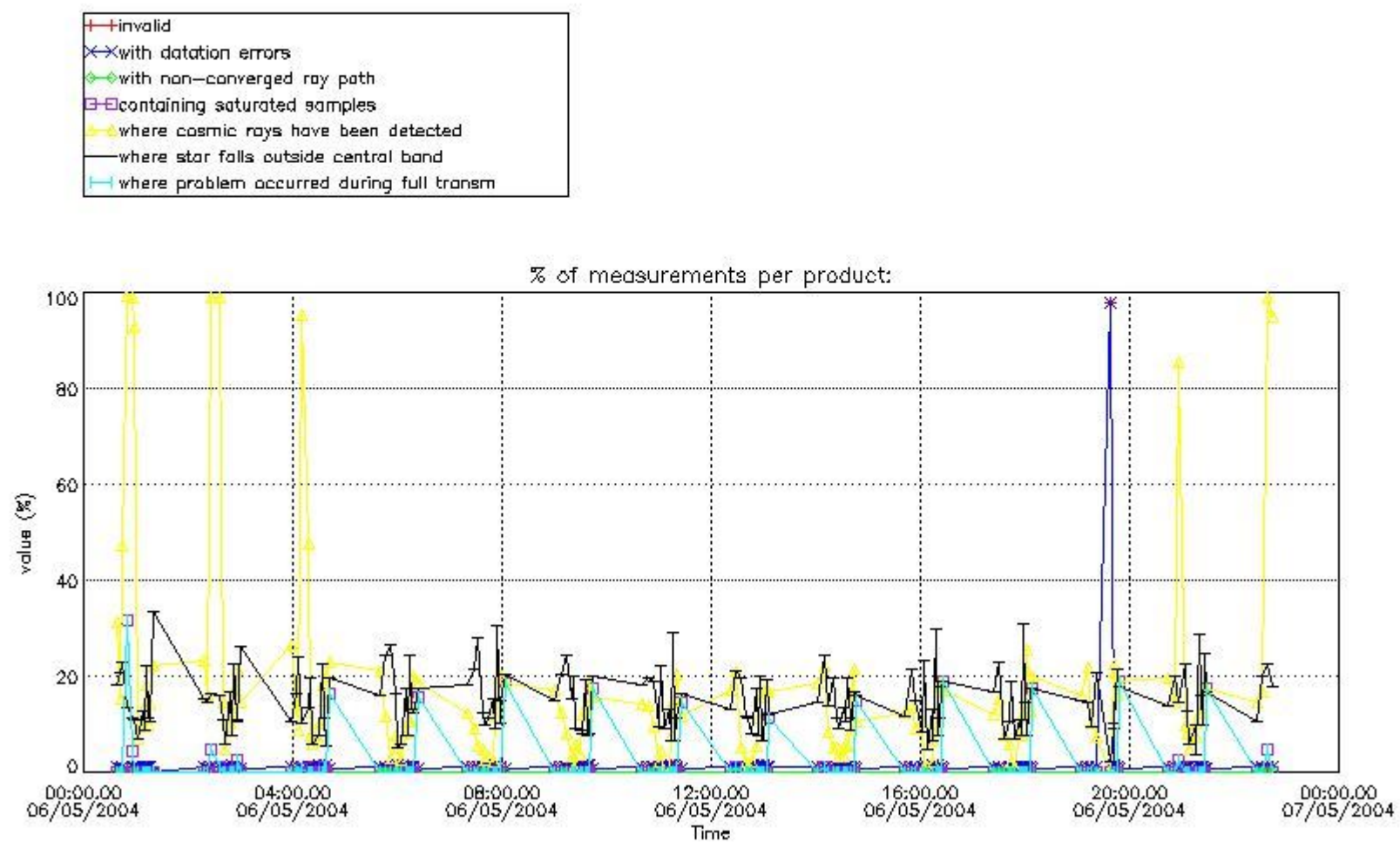


4. Level 1 quality information per product

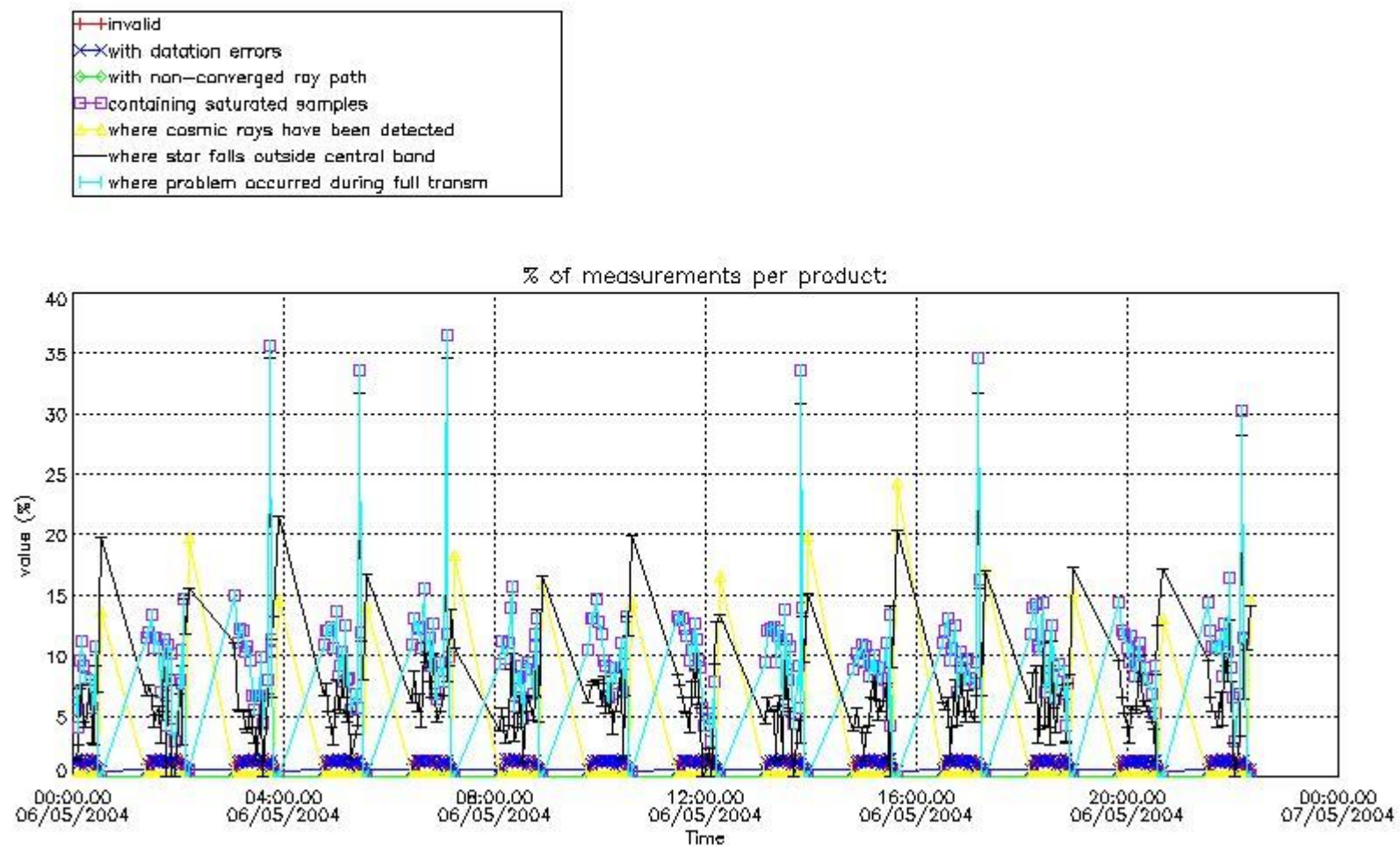
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



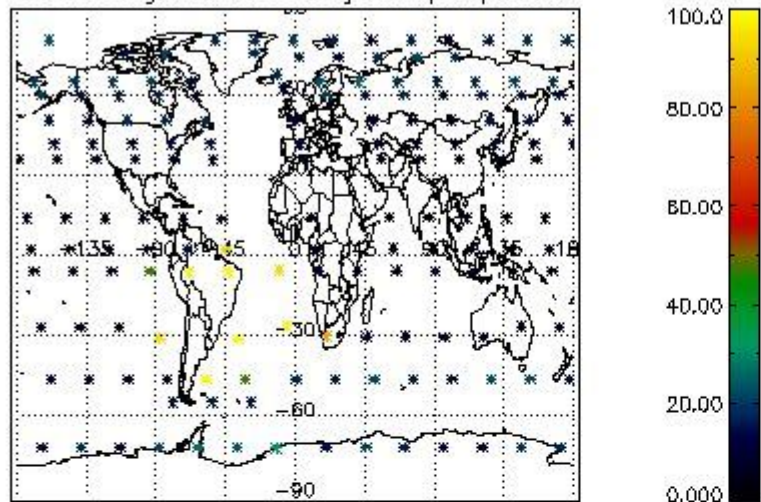
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



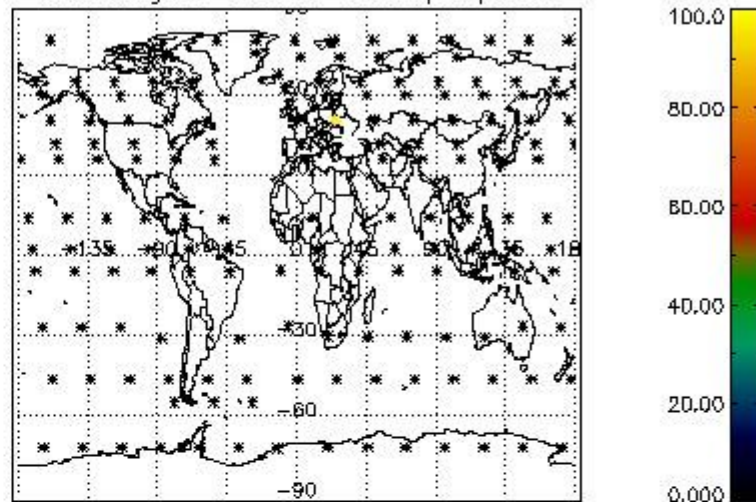
4.2 Plot quality information per product coming from level 1b processing (world map)

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

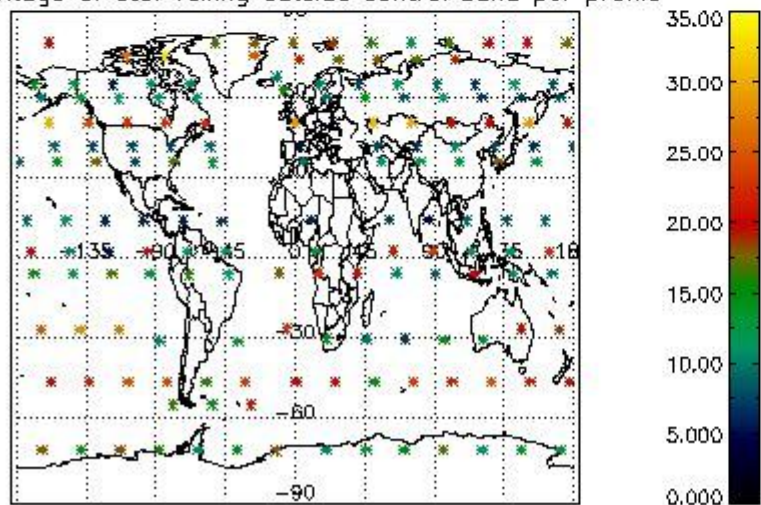
Percentage of cosmic ray hits per profile



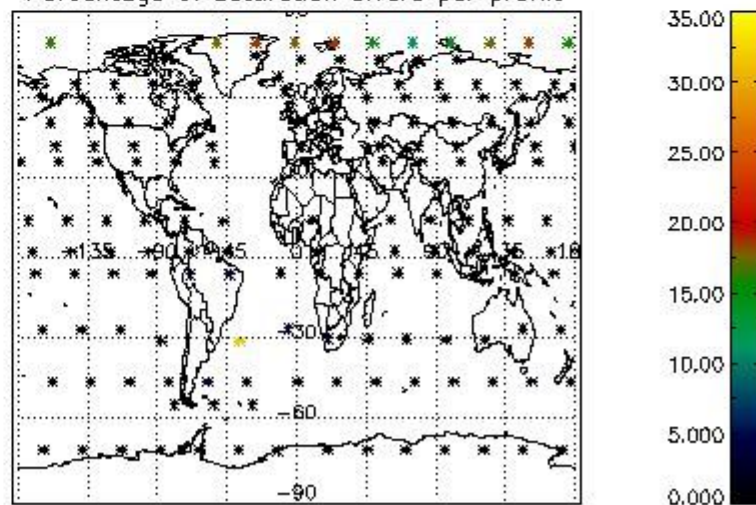
Percentage of datation errors per profile



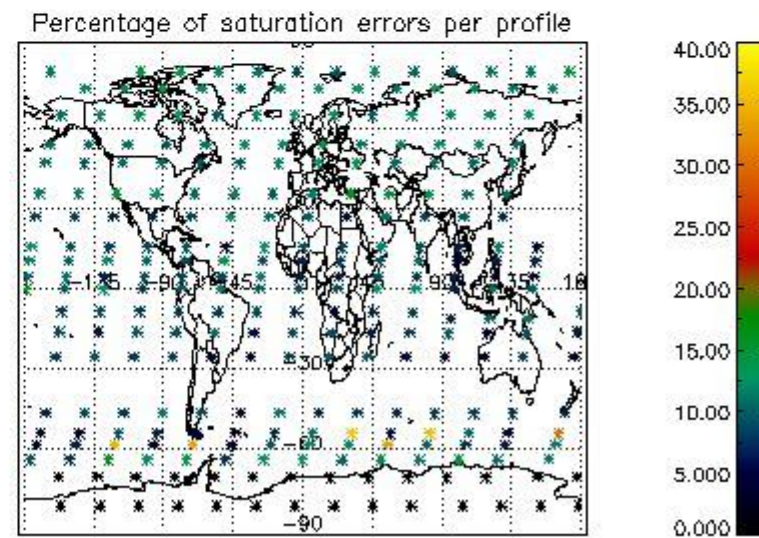
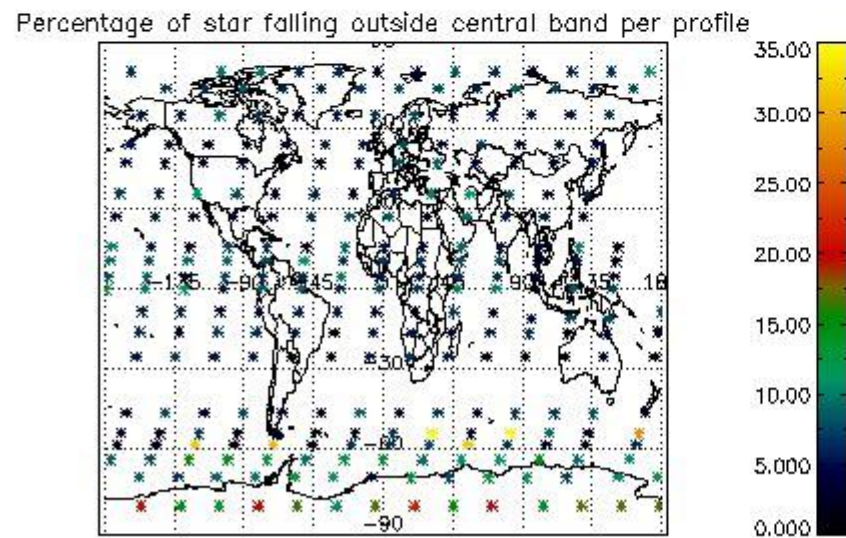
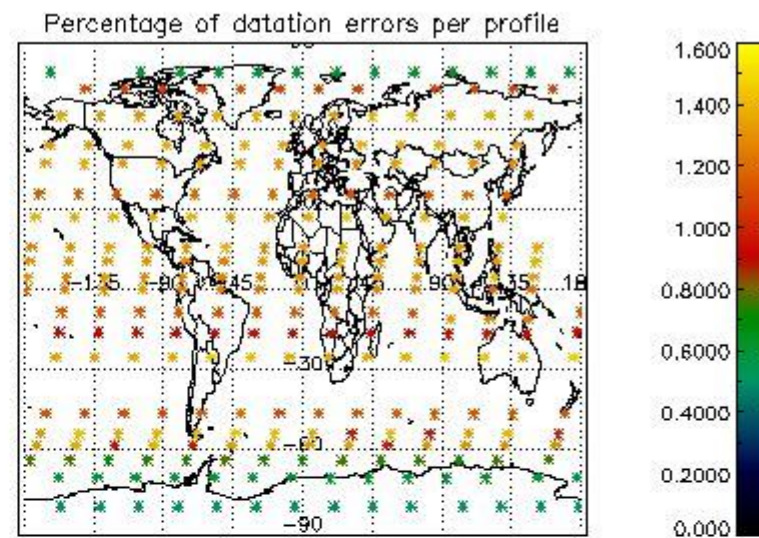
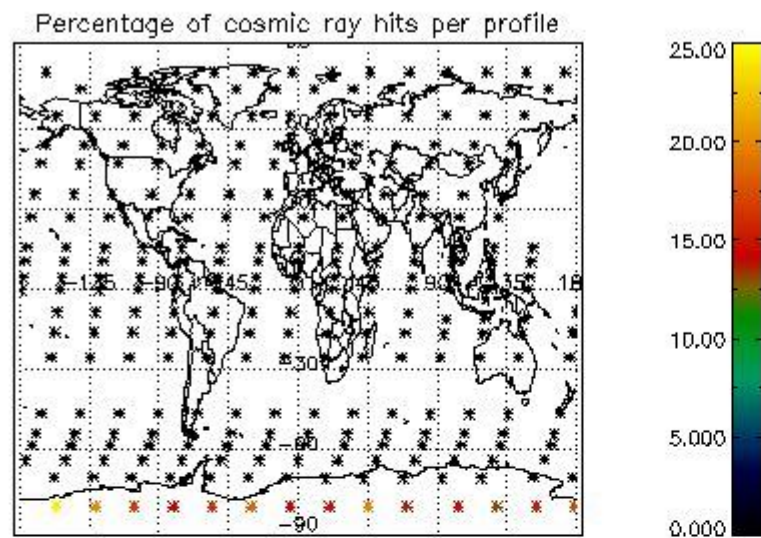
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

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

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

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

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

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

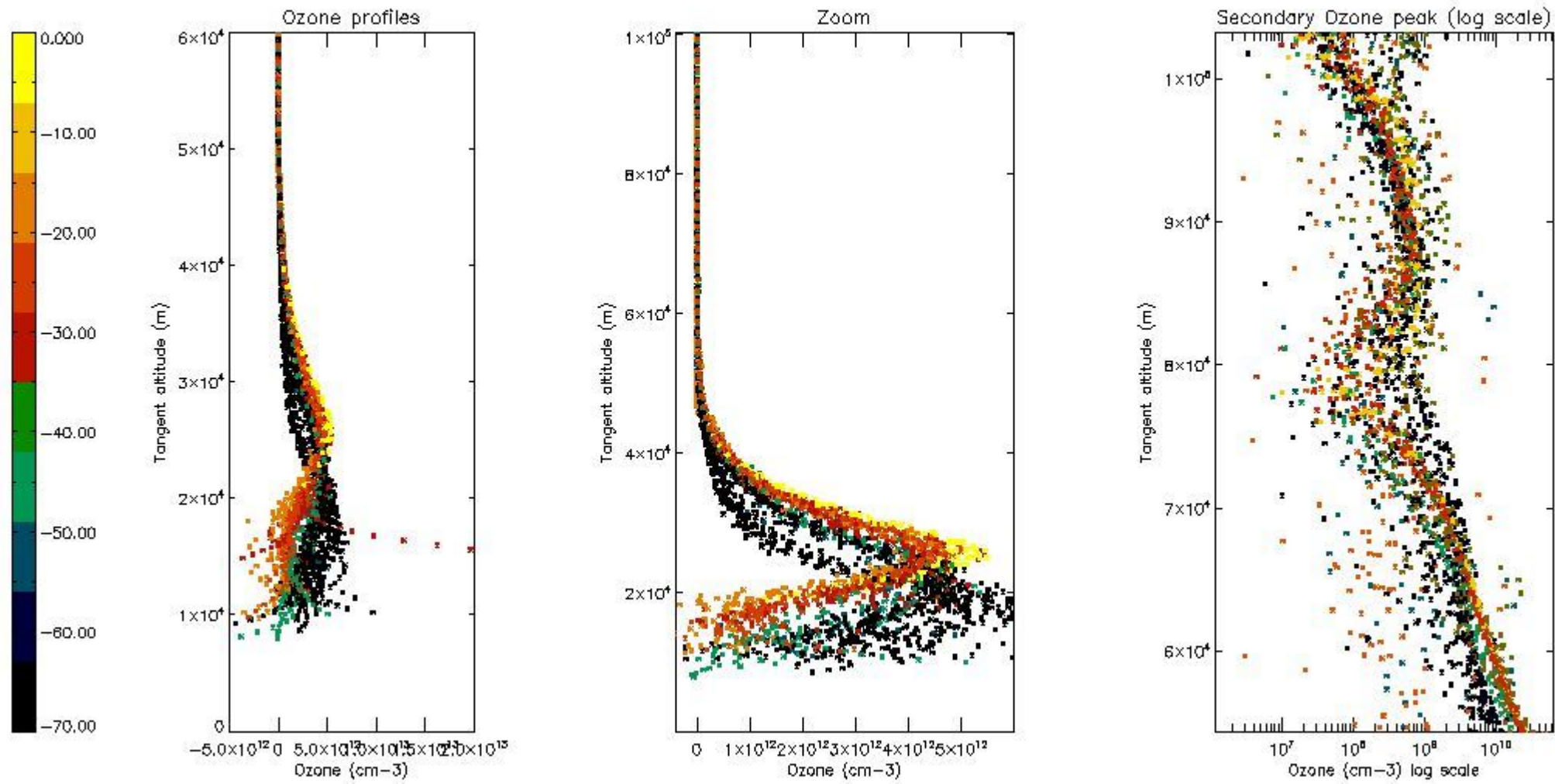
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	20
STD < 20	10

STD < 10	8
STD < 5	6

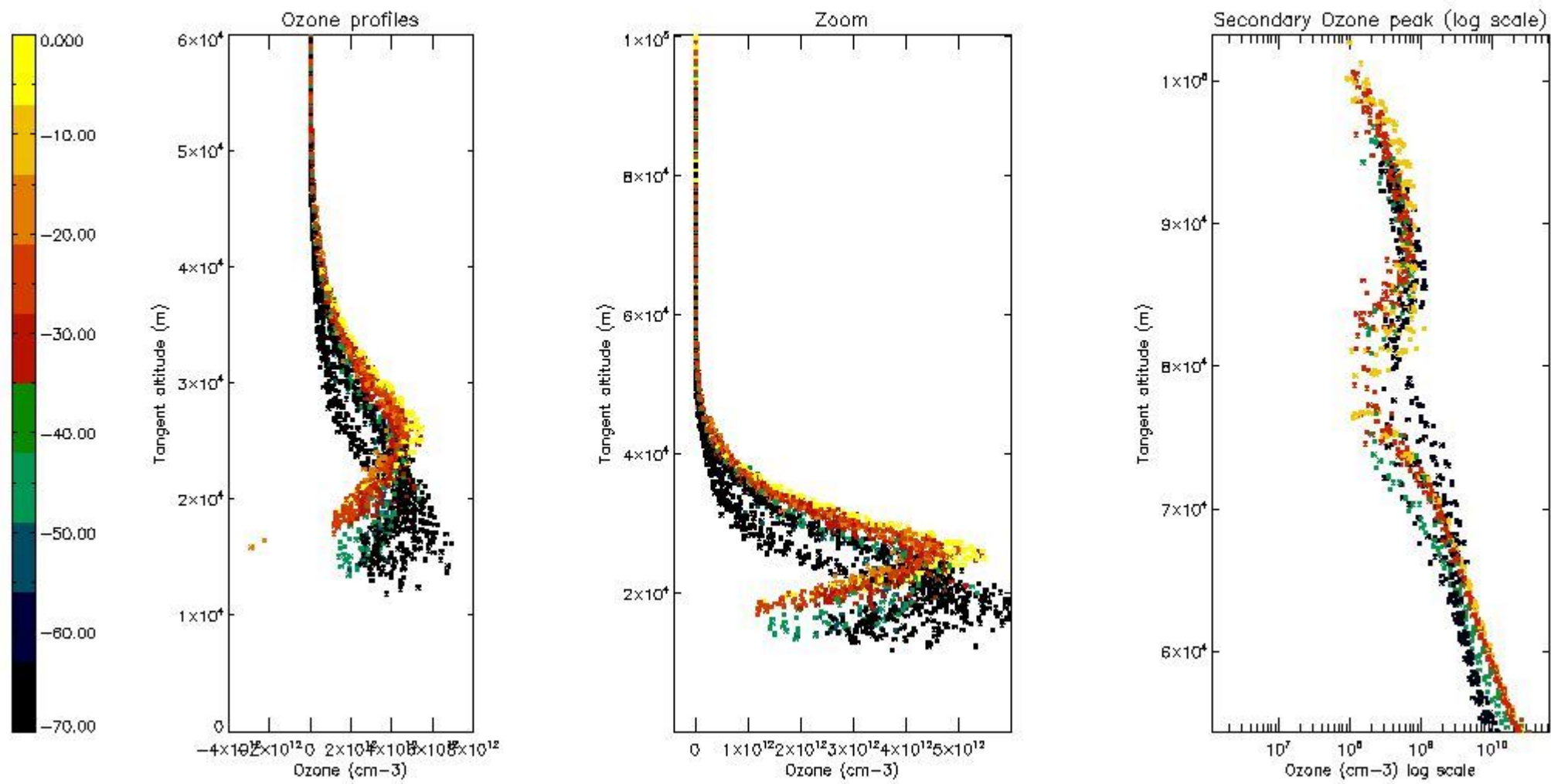
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



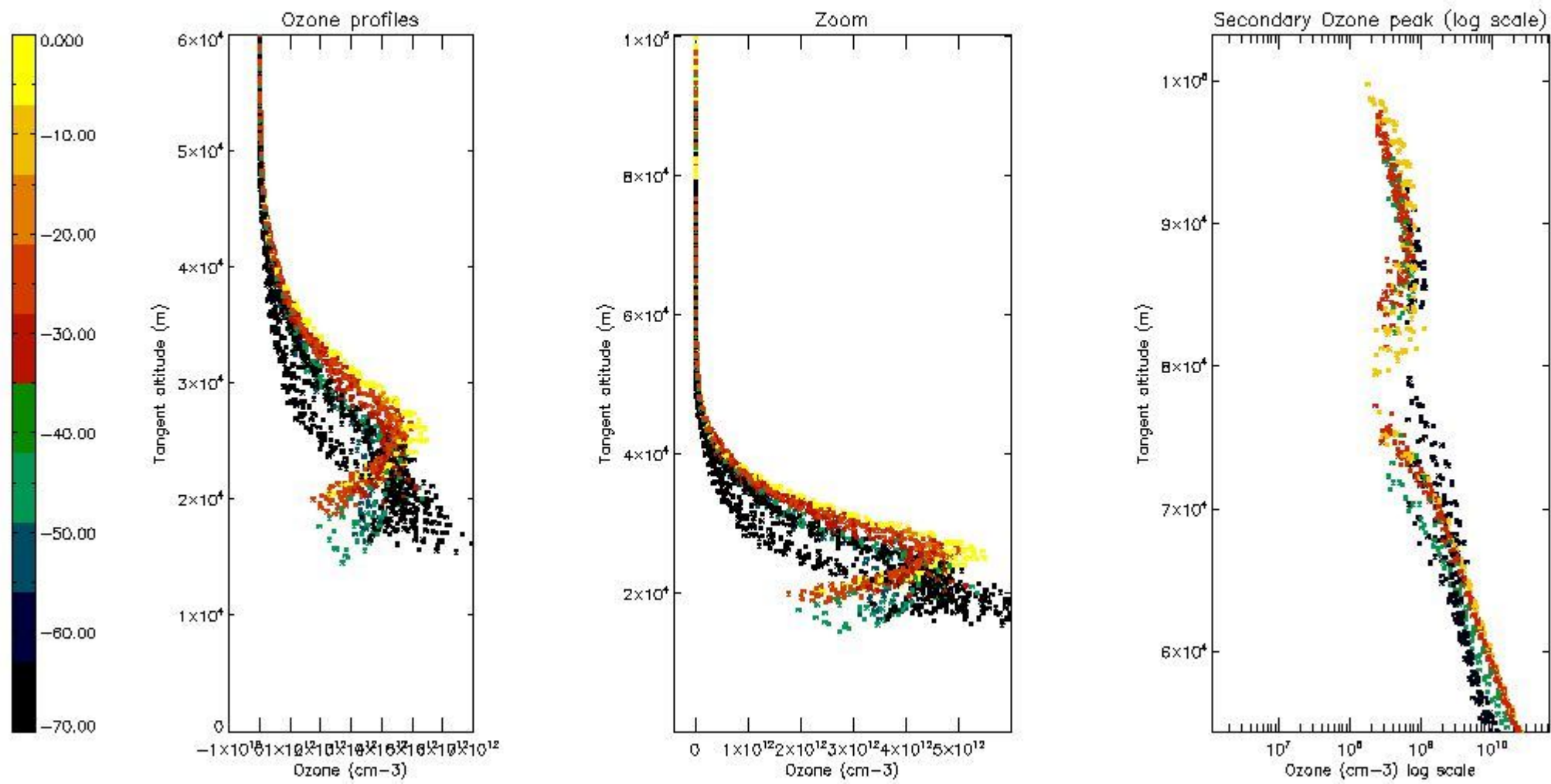
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



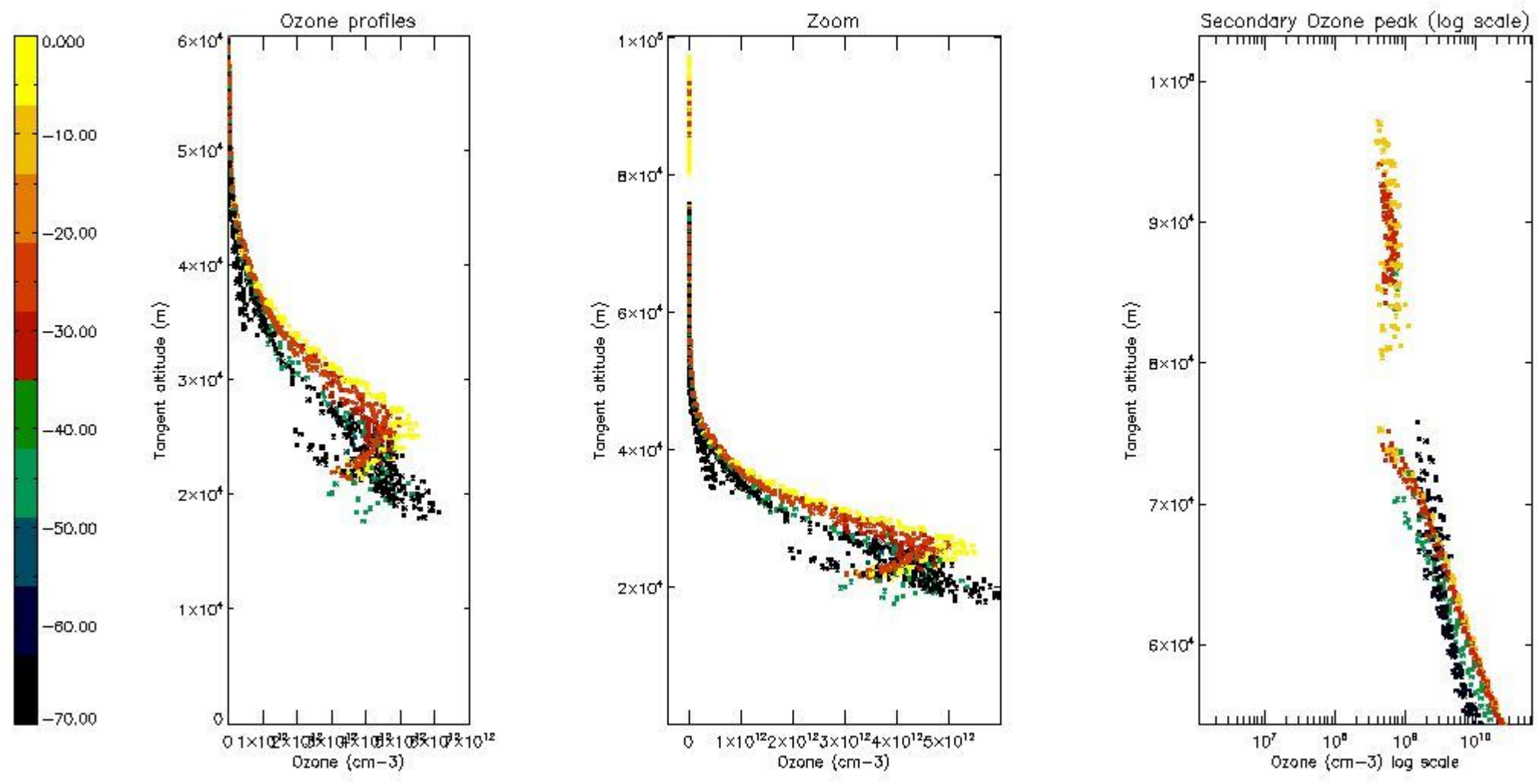
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



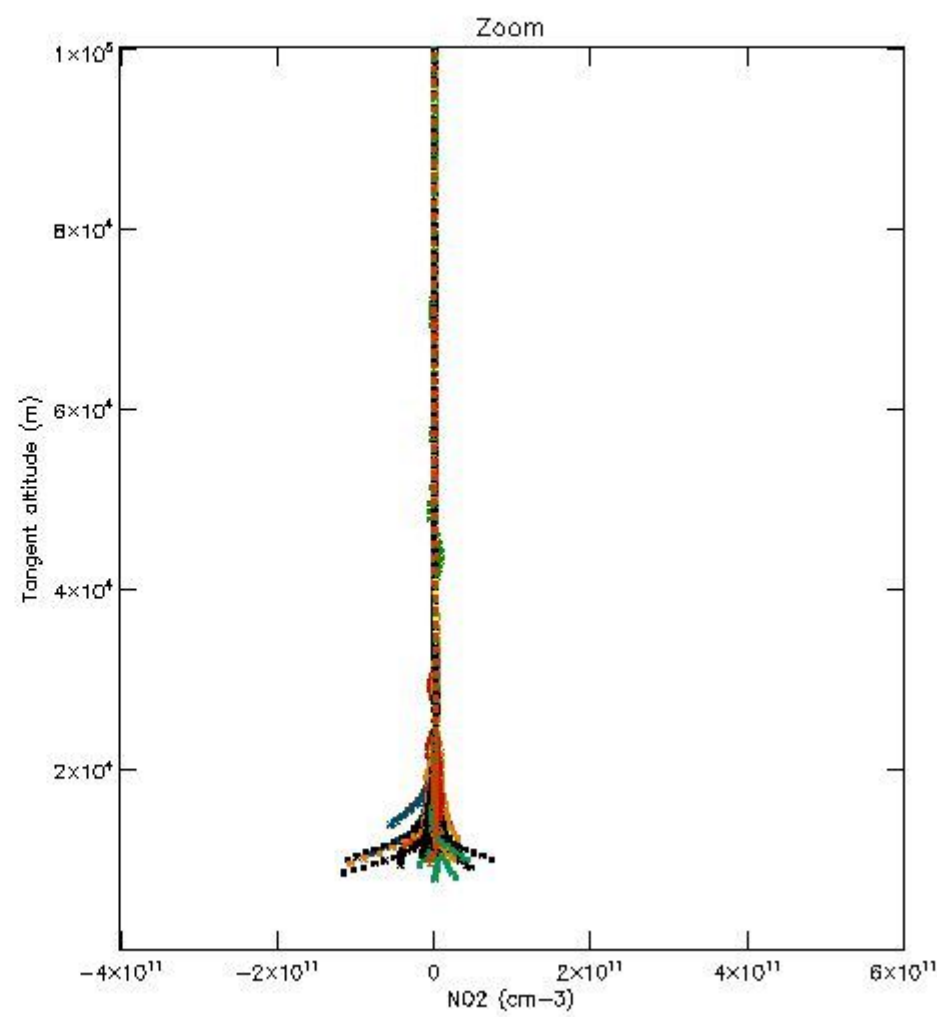
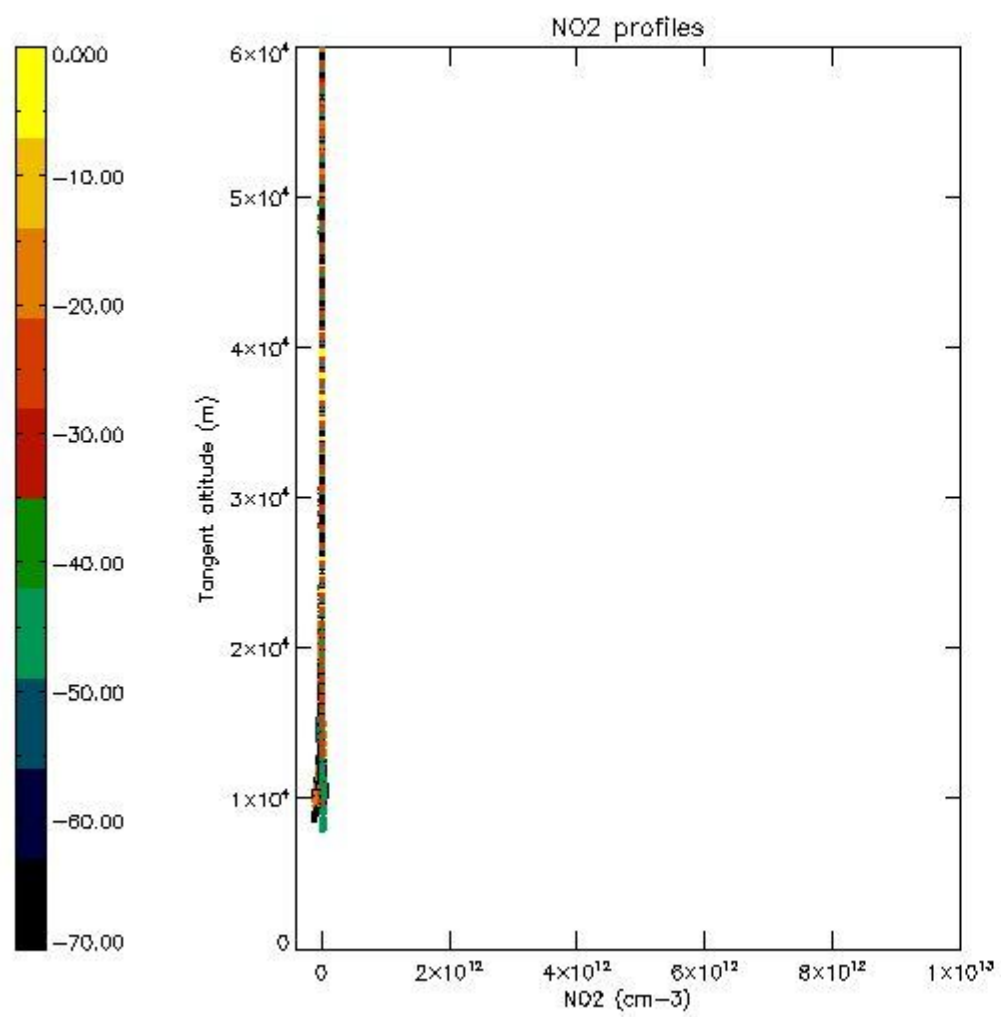
5.5 Plot ozone profiles where $STD < 5\%$ (dark without errors)

The colorbar represents the latitude.



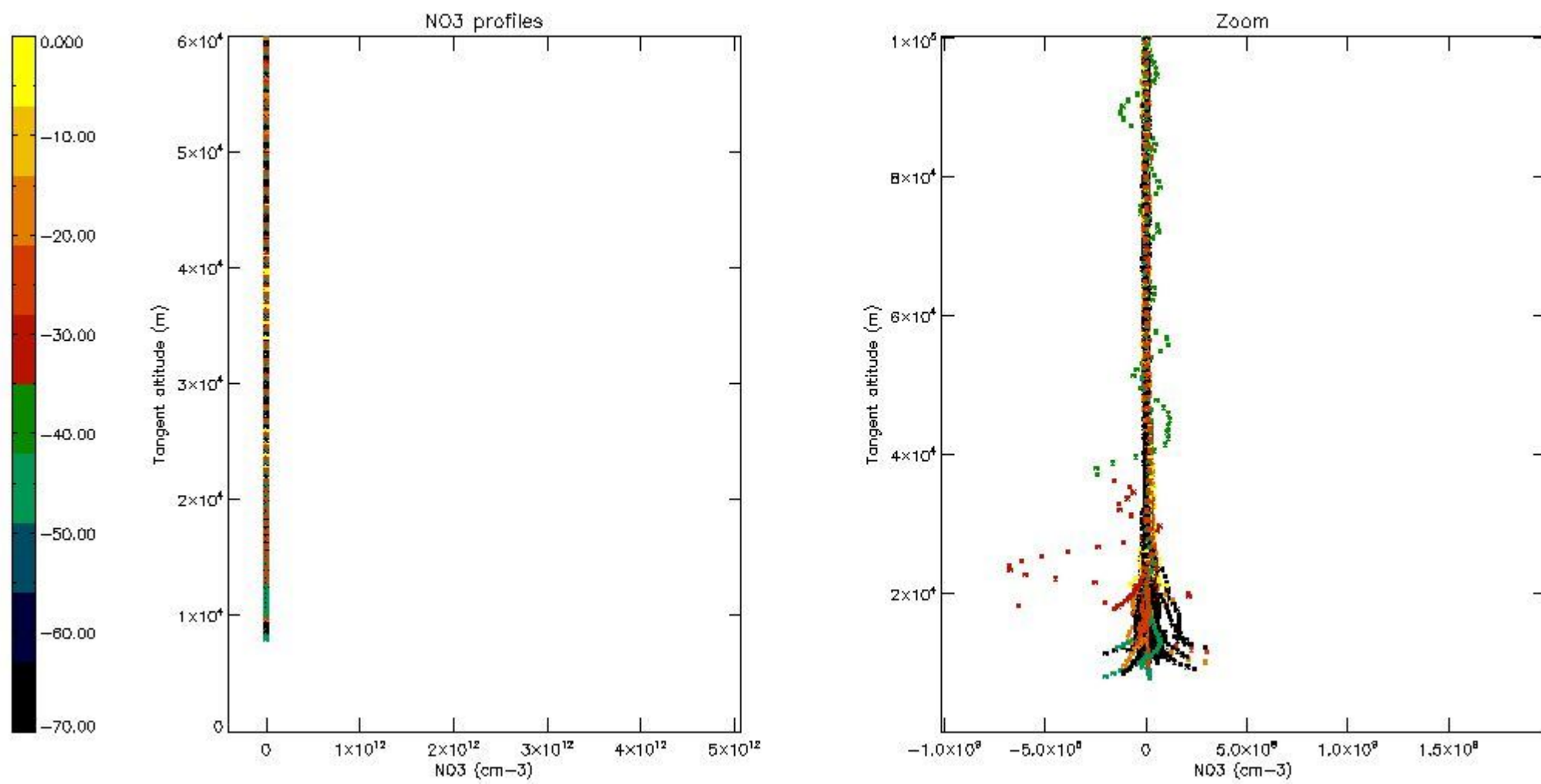
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



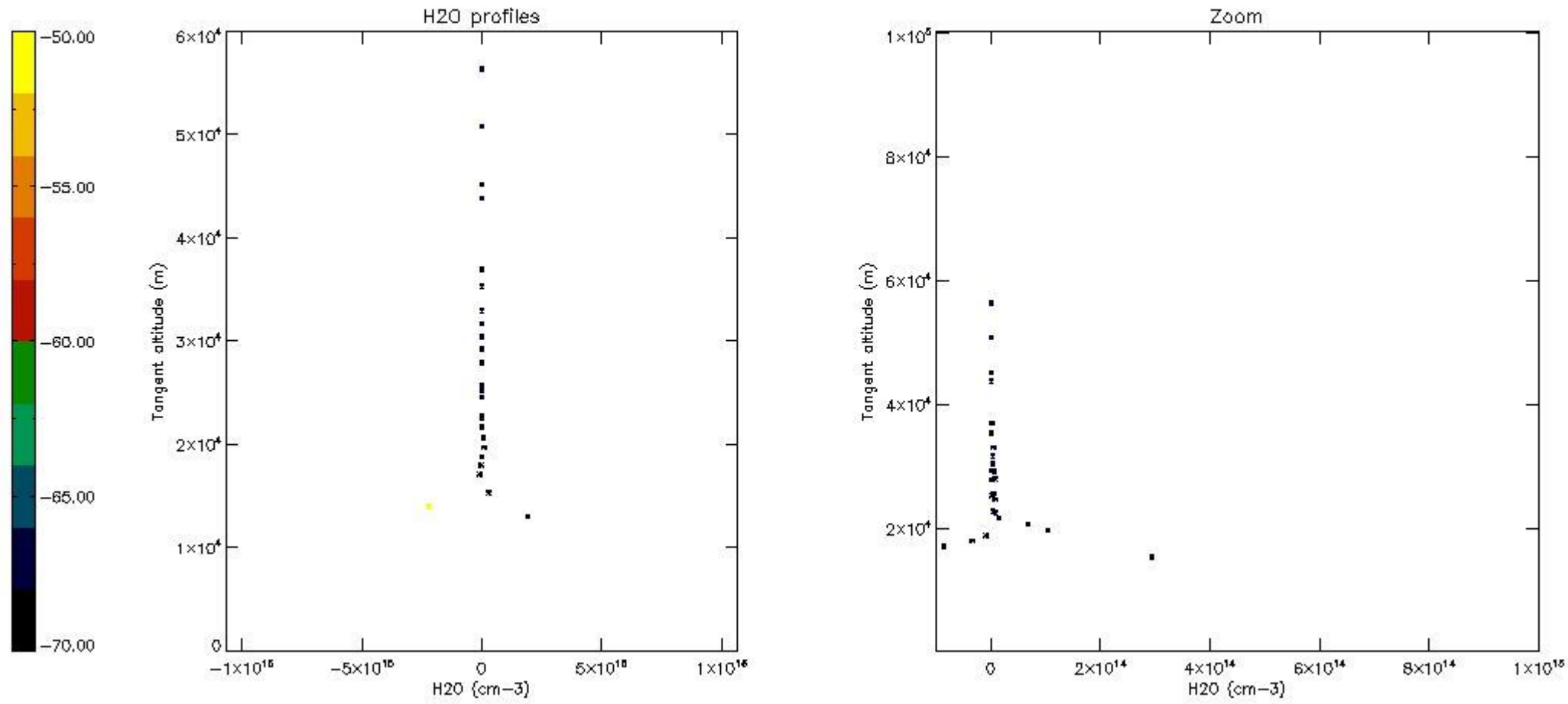
5.7 Plot NO3 profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

The colorbar represents the latitude.



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

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

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	06-MAY-2004 00:03:07
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	06-MAY-2004 00:03:07
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	06-MAY-2004 00:03:07

GOMOS Level 2 Daily Report

SUMMARY

[1. General Info](#)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Item	Value
Time of report generation	19APR2013 01:26:28
Data source version	GOMOS/6.01
Start time of products	06-05-2004 (06MAY2004 00:00:00)
Stop time of products	07-05-2004 (07MAY2004 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	437
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

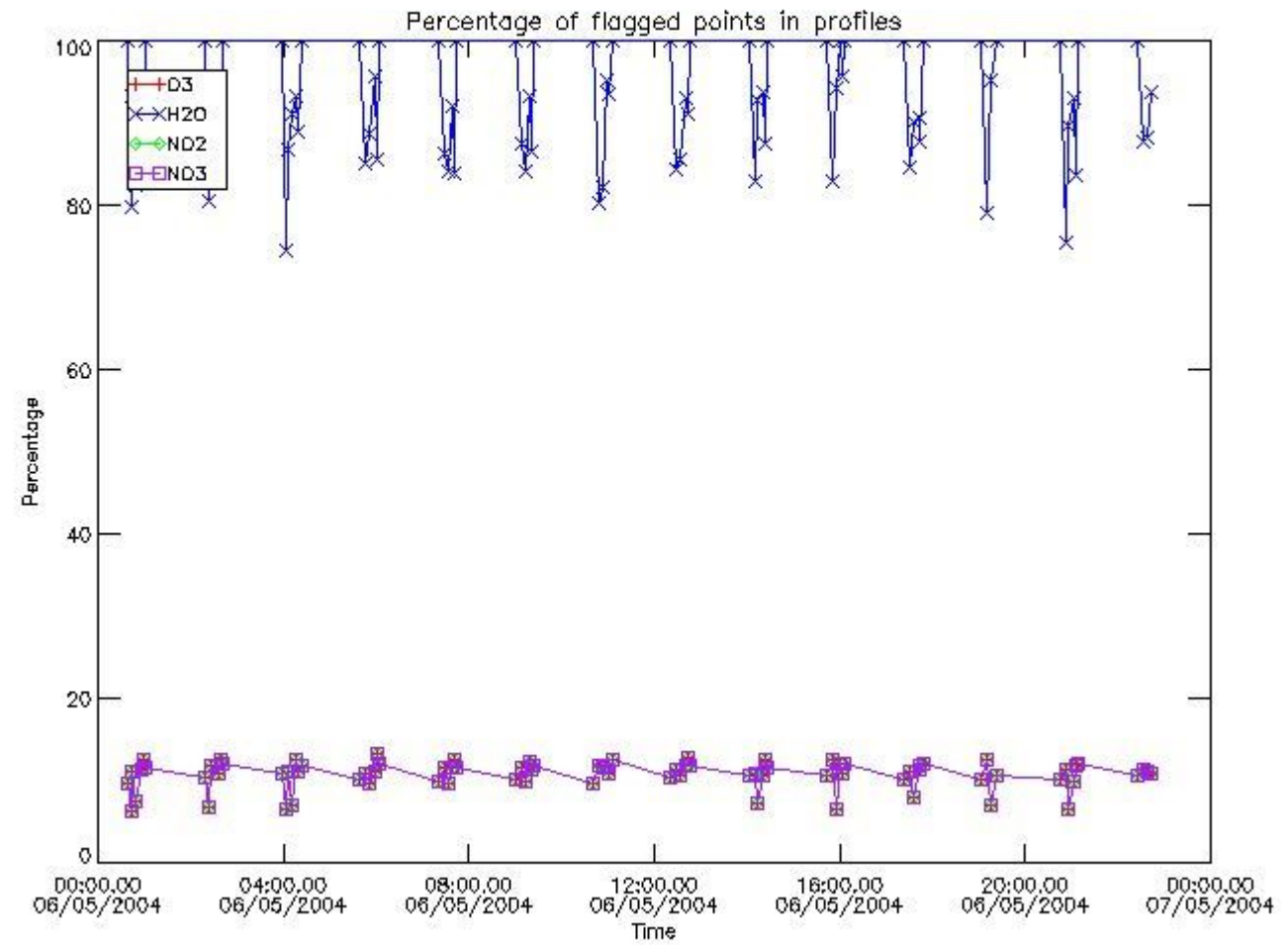
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20040506_000307_000000372026_00331_11407_2211.N1	06-MAY-2004 00:03:07	Bright	36.500	39	85Eta UMa	1.8540	24000.	73	11407	No
2	GOM_NL__2PRFIN20040506_000434_000000362026_00331_11407_2212.N1	06-MAY-2004 00:04:34	Bright	36.000	55	79Zet UMa	2.0600	10200.	72	11407	No
3	GOM_NL__2PRFIN20040506_000611_000000382026_00331_11407_2213.N1	06-MAY-2004 00:06:11	Bright	37.500	82	48Bet UMa	2.3650	10600.	75	11407	No
4	GOM_NL__2PRFIN20040506_000724_000000422026_00331_11407_2214.N1	06-MAY-2004 00:07:24	Bright	41.500	36	50Alp UMa	1.8000	6300.0	83	11407	No
5	GOM_NL__2PRFIN20040506_001035_000000402026_00331_11407_2215.N1	06-MAY-2004 00:10:35	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	11407	No
6	GOM_NL__2PRFIN20040506_001210_000000552026_00331_11407_2216.N1	06-MAY-2004 00:12:10	Bright	55.000	130	23Bet Dra	2.7990	5800.0	110	11407	No
7	GOM_NL__2PRFIN20040506_001436_000000372026_00331_11407_2217.N1	06-MAY-2004 00:14:36	Bright	37.000	49	1Alp UMi	1.9900	6300.0	74	11407	No
8	GOM_NL__2PRFIN20040506_002035_000000442026_00331_11407_2218.N1	06-MAY-2004 00:20:35	Bright	44.000	89	5Alp Cep	2.4510	8000.0	88	11407	No
9	GOM_NL__2PRFIN20040506_002242_000000362026_00331_11407_2219.N1	06-MAY-2004 00:22:42	Bright	35.500	76	27Gam Cas	2.3000	30000.	71	11407	No
10	GOM_NL__2PRFIN20040506_002355_000000392026_00331_11407_2220.N1	06-MAY-2004 00:23:55	Bright	39.000	68	18Alp Cas	2.2250	4500.0	78	11407	No
11	GOM_NL__2PRFIN20040506_002540_000000652026_00331_11407_2221.N1	06-MAY-2004 00:25:40	Bright	65.000	19	50Alp Cyg	1.2460	10500.	130	11407	No
12	GOM_NL__2PRFIN20040506_002738_000000802026_00331_11407_2222.N1	06-MAY-2004 00:27:38	Bright	79.500	66	37Gam Cyg	2.2080	5900.0	159	11407	No
13	GOM_NL__2PRFIN20040506_003150_000000992026_00331_11407_2223.N1	06-MAY-2004 00:31:50	Twilight	98.500	92	53Eps Cyg	2.5000	4500.0	197	11407	No
14	GOM_NL__2PRFIN20040506_003711_000000532026_00331_11407_2224.N1	06-MAY-2004 00:37:11	Dark	52.500	90	54Alp Peg	2.4870	11000.	105	11407	No
15	GOM_NL__2PRFIN20040506_004217_000000822026_00331_11407_2225.N1	06-MAY-2004 00:42:17	Dark	81.500	61	8Eps Peg	2.1000	3900.0	163	11407	No
16	GOM_NL__2PRFIN20040506_004446_000000462026_00331_11407_2226.N1	06-MAY-2004 00:44:46	Dark	45.500	52	16Bet Cet	2.0370	4500.0	91	11407	No
17	GOM_NL__2PRFIN20040506_004900_000000752026_00331_11407_2227.N1	06-MAY-2004 00:49:00	Dark	74.500	154	22Bet Aqr	2.8990	5700.0	149	11407	No
18	GOM_NL__2PRFIN20040506_005604_000000452026_00331_11407_2228.N1	06-MAY-2004 00:56:04	Dark	45.000	31	Alp Gru	1.7340	15200.	90	11407	No
19	GOM_NL__2PRFIN20040506_005825_000000412026_00332_11408_2196.N1	06-MAY-2004 00:58:25	Dark	41.000	148	Alp Tuc	2.8780	4100.0	82	11408	No
20	GOM_NL__2PRFIN20040506_010138_000000442026_00332_11408_2197.N1	06-MAY-2004 01:01:38	Dark	44.000	45	Alp Pav	1.9400	26000.	88	11408	No
21	GOM_NL__2PRFIN20040506_010750_000000432026_00332_11408_2198.N1	06-MAY-2004 01:07:50	Straylight	43.000	43	Alp TrA	1.9100	4250.0	86	11408	No
22	GOM_NL__2PRFIN20040506_010929_000000402026_00332_11408_2199.N1	06-MAY-2004 01:09:29	Straylight	39.500	145	Gam TrA	2.8720	10600.	79	11408	No
23	GOM_NL__2PRFIN20040506_011158_000000472026_00332_11408_2200.N1	06-MAY-2004 01:11:58	Straylight	47.000	4	Alp1Cen	-0.010000	5800.0	94	11408	No
24	GOM_NL__2PRFIN20040506_011439_000000412026_00332_11408_2201.N1	06-MAY-2004 01:14:39	Straylight	40.500	77	Eps Cen	2.3030	28000.	81	11408	No
25	GOM_NL__2PRFIN20040506_011618_000000422026_00332_11408_2202.N1	06-MAY-2004 01:16:18	Straylight	42.000	109	Bet Lup	2.6770	26000.	84	11408	No
26	GOM_NL__2PRFIN20040506_011928_000000752026_00332_11408_2203.N1	06-MAY-2004 01:19:28	Twilight	74.500	16	21Alp Sco	1.0200	3000.0	149	11408	No
27	GOM_NL__2PRFIN20040506_012352_000000832026_00332_11408_2204.N1	06-MAY-2004 01:23:52	Bright	83.000	86	35Eta Oph	2.4300	10200.	166	11408	No
28	GOM_NL__2PRFIN20040506_012632_000000462026_00332_11408_2205.N1	06-MAY-2004 01:26:32	Bright	46.000	104	27Bet Lib	2.6140	13100.	92	11408	No
29	GOM_NL__2PRFIN20040506_012938_000000382026_00332_11408_2206.N1	06-MAY-2004 01:29:38	Bright	37.500	121	29Gam Vir	2.7400	7200.0	75	11408	No
30	GOM_NL__2PRFIN20040506_013249_000000382026_00332_11408_2207.N1	06-MAY-2004 01:32:49	Bright	37.500	138	47Eps Vir	2.8280	4700.0	75	11408	No
31	GOM_NL__2PRFIN20040506_013450_000000392026_00332_11408_2208.N1	06-MAY-2004 01:34:50	Bright	39.000	111	8Eta Boo	2.6800	6000.0	78	11408	No
32	GOM_NL__2PRFIN20040506_013808_000000432026_00332_11408_2209.N1	06-MAY-2004 01:38:08	Bright	42.500	83		2.3780	11000.	85	11408	No
33	GOM_NL__2PRFIN20040506_014029_000000362026_00332_11408_2210.N1	06-MAY-2004 01:40:29	Bright	35.500	152	12Alp2CVn	2.8900	11000.	71	11408	No
34	GOM_NL__2PRFIN20040506_014343_000000402026_00332_11408_2211.N1	06-MAY-2004 01:43:43	Bright	39.500	39	85Eta UMa	1.8540	24000.	79	11408	No
35	GOM_NL__2PRFIN20040506_014509_000000382026_00332_11408_2212.N1	06-MAY-2004 01:45:09	Bright	37.500	55	79Zet UMa	2.0600	10200.	75	11408	No
36	GOM_NL__2PRFIN20040506_014648_000000362026_00332_11408_2213.N1	06-MAY-2004 01:46:48	Bright	35.500	82	48Bet UMa	2.3650	10600.	71	11408	No
37	GOM_NL__2PRFIN20040506_014800_000000422026_00332_11408_2214.N1	06-MAY-2004 01:48:00	Bright	41.500	36	50Alp UMa	1.8000	6300.0	83	11408	No
38	GOM_NL__2PRFIN20040506_015111_000000402026_00332_11408_2215.N1	06-MAY-2004 01:51:11	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	11408	No
39	GOM_NL__2PRFIN20040506_015244_000000522026_00332_11408_2216.N1	06-MAY-2004 01:52:44	Bright	51.500	130	23Bet Dra	2.7990	5800.0	103	11408	No
40	GOM_NL__2PRFIN20040506_015512_000000352026_00332_11408_2217.N1	06-MAY-2004 01:55:12	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	11408	No
41	GOM_NL__2PRFIN20040506_020110_000000442026_00332_11408_2218.N1	06-MAY-2004 02:01:10	Bright	44.000	89	5Alp Cep	2.4510	8000.0	88	11408	No
42	GOM_NL__2PRFIN20040506_020318_000000382026_00332_11408_2219.N1	06-MAY-2004 02:03:18	Bright	38.000	76	27Gam Cas	2.3000	30000.	76	11408	No

397	GOM_NL__2PRFIN20040506_203107_000000392026_00343_11419_2323.N1	06-MAY-2004 20:31:07	Bright	38.500	68	18Alp Cas	2.2250	4500.0	77	11419	No
398	GOM_NL__2PRFIN20040506_203244_000000652026_00343_11419_2324.N1	06-MAY-2004 20:32:44	Bright	65.000	19	50Alp Cyg	1.2460	10500.	130	11419	No
399	GOM_NL__2PRFIN20040506_203443_000000882026_00343_11419_2325.N1	06-MAY-2004 20:34:43	Bright	87.500	66	37Gam Cyg	2.2080	5900.0	175	11419	No
400	GOM_NL__2PRFIN20040506_203902_000000992026_00343_11419_2326.N1	06-MAY-2004 20:39:02	Twilight	99.000	92	53Eps Cyg	2.5000	4500.0	198	11419	No
401	GOM_NL__2PRFIN20040506_204426_000000512026_00343_11419_2327.N1	06-MAY-2004 20:44:26	Dark	50.500	90	54Alp Peg	2.4870	11000.	101	11419	No
402	GOM_NL__2PRFIN20040506_205158_000000452026_00343_11419_2328.N1	06-MAY-2004 20:51:58	Dark	45.000	52	16Bet Cet	2.0370	4500.0	90	11419	No
403	GOM_NL__2PRFIN20040506_205630_000000792026_00343_11419_2329.N1	06-MAY-2004 20:56:30	Dark	78.500	154	22Bet Aqr	2.8990	5700.0	157	11419	No
404	GOM_NL__2PRFIN20040506_210323_000000512026_00343_11419_2330.N1	06-MAY-2004 21:03:23	Dark	51.000	31	Alp Gru	1.7340	15200.	102	11419	No
405	GOM_NL__2PRFIN20040506_210541_000000432026_00344_11420_2303.N1	06-MAY-2004 21:05:41	Dark	43.000	148	Alp Tuc	2.8780	4100.0	86	11420	No
406	GOM_NL__2PRFIN20040506_210858_000000422026_00344_11420_2304.N1	06-MAY-2004 21:08:58	Dark	42.000	45	Alp Pav	1.9400	26000.	84	11420	No
407	GOM_NL__2PRFIN20040506_211505_000000412026_00344_11420_2305.N1	06-MAY-2004 21:15:05	Straylight	41.000	43	Alp TrA	1.9100	4250.0	82	11420	No
408	GOM_NL__2PRFIN20040506_211641_000000402026_00344_11420_2306.N1	06-MAY-2004 21:16:41	Straylight	39.500	145	Gam TrA	2.8720	10600.	79	11420	No
409	GOM_NL__2PRFIN20040506_211912_000000522026_00344_11420_2307.N1	06-MAY-2004 21:19:12	Straylight	52.000	4	Alp1Cen	-0.010000	5800.0	104	11420	No
410	GOM_NL__2PRFIN20040506_212241_000000442026_00344_11420_2308.N1	06-MAY-2004 21:22:41	Straylight	44.000	78	Alp Lup	2.3040	28000.	88	11420	No
411	GOM_NL__2PRFIN20040506_212413_000000412026_00344_11420_2309.N1	06-MAY-2004 21:24:13	Straylight	41.000	81	Eta Cen	2.3560	28000.	82	11420	No
412	GOM_NL__2PRFIN20040506_212643_000000672026_00344_11420_2310.N1	06-MAY-2004 21:26:43	Twilight	66.500	16	21Alp Sco	1.0200	3000.0	133	11420	No
413	GOM_NL__2PRFIN20040506_212842_000000572026_00344_11420_2311.N1	06-MAY-2004 21:28:42	Twilight	57.000	80	7Del Sco	2.3160	30000.	114	11420	No
414	GOM_NL__2PRFIN20040506_213104_000000832026_00344_11420_2312.N1	06-MAY-2004 21:31:04	Bright	83.000	86	35Eta Oph	2.4300	10200.	166	11420	No
415	GOM_NL__2PRFIN20040506_213343_000000462026_00344_11420_2313.N1	06-MAY-2004 21:33:43	Bright	45.500	104	27Bet Lib	2.6140	13100.	91	11420	No
416	GOM_NL__2PRFIN20040506_213651_000000372026_00344_11420_2314.N1	06-MAY-2004 21:36:51	Bright	37.000	121	29Gam Vir	2.7400	7200.0	74	11420	No
417	GOM_NL__2PRFIN20040506_214002_000000382026_00344_11420_2315.N1	06-MAY-2004 21:40:02	Bright	37.500	138	47Eps Vir	2.8280	4700.0	75	11420	No
418	GOM_NL__2PRFIN20040506_214201_000000382026_00344_11420_2316.N1	06-MAY-2004 21:42:01	Bright	37.500	111	8Eta Boo	2.6800	6000.0	75	11420	No
419	GOM_NL__2PRFIN20040506_214514_000000432026_00344_11420_2317.N1	06-MAY-2004 21:45:14	Bright	43.000	83		2.3780	11000.	86	11420	No
420	GOM_NL__2PRFIN20040506_214741_000000362026_00344_11420_2318.N1	06-MAY-2004 21:47:41	Bright	36.000	152	12Alp2CVn	2.8900	11000.	72	11420	No
421	GOM_NL__2PRFIN20040506_215053_000000402026_00344_11420_2319.N1	06-MAY-2004 21:50:53	Bright	39.500	39	85Eta UMa	1.8540	24000.	79	11420	No
422	GOM_NL__2PRFIN20040506_215220_000000392026_00344_11420_2320.N1	06-MAY-2004 21:52:20	Bright	38.500	55	79Zet UMa	2.0600	10200.	77	11420	No
423	GOM_NL__2PRFIN20040506_215403_000000392026_00344_11420_2321.N1	06-MAY-2004 21:54:03	Bright	38.500	82	48Bet UMa	2.3650	10600.	77	11420	No
424	GOM_NL__2PRFIN20040506_215517_000000432026_00344_11420_2322.N1	06-MAY-2004 21:55:17	Bright	42.500	36	50Alp UMa	1.8000	6300.0	85	11420	No
425	GOM_NL__2PRFIN20040506_215736_000000452026_00344_11420_2323.N1	06-MAY-2004 21:57:36	Bright	44.500	119	14Eta Dra	2.7270	4700.0	89	11420	No
426	GOM_NL__2PRFIN20040506_215942_000000542026_00344_11420_2324.N1	06-MAY-2004 21:59:42	Bright	53.500	130	23Bet Dra	2.7990	5800.0	107	11420	No
427	GOM_NL__2PRFIN20040506_220224_000000342026_00344_11420_2325.N1	06-MAY-2004 22:02:24	Bright	34.000	49	1Alp UMi	1.9900	6300.0	68	11420	No
428	GOM_NL__2PRFIN20040506_220817_000000442026_00344_11420_2326.N1	06-MAY-2004 22:08:17	Bright	44.000	89	5Alp Cep	2.4510	8000.0	88	11420	No
429	GOM_NL__2PRFIN20040506_221029_000000502026_00344_11420_2327.N1	06-MAY-2004 22:10:29	Bright	49.500	76	27Gam Cas	2.3000	30000.	99	11420	No
430	GOM_NL__2PRFIN20040506_221145_000000392026_00344_11420_2328.N1	06-MAY-2004 22:11:45	Bright	39.000	68	18Alp Cas	2.2250	4500.0	78	11420	No
431	GOM_NL__2PRFIN20040506_221320_000000672026_00344_11420_2329.N1	06-MAY-2004 22:13:20	Bright	66.500	19	50Alp Cyg	1.2460	10500.	133	11420	No
432	GOM_NL__2PRFIN20040506_221519_000000862026_00344_11420_2330.N1	06-MAY-2004 22:15:19	Bright	85.500	66	37Gam Cyg	2.2080	5900.0	171	11420	No
433	GOM_NL__2PRFIN20040506_221938_000000962026_00344_11420_2331.N1	06-MAY-2004 22:19:38	Twilight	96.000	92	53Eps Cyg	2.5000	4500.0	192	11420	No
434	GOM_NL__2PRFIN20040506_222503_000000482026_00344_11420_2332.N1	06-MAY-2004 22:25:03	Dark	48.000	90	54Alp Peg	2.4870	11000.	96	11420	No
435	GOM_NL__2PRFIN20040506_223234_000000452026_00344_11420_2333.N1	06-MAY-2004 22:32:34	Dark	45.000	52	16Bet Cet	2.0370	4500.0	90	11420	No
436	GOM_NL__2PRFIN20040506_223809_000000512026_00344_11420_2334.N1	06-MAY-2004 22:38:09	Dark	51.000	18	24Alp PsA	1.1660	9700.0	102	11420	No
437	GOM_NL__2PRFIN20040506_224400_000000482026_00344_11420_2335.N1	06-MAY-2004 22:44:00	Dark	47.500	31	Alp Gru	1.7340	15200.	95	11420	No

3. Quality information per product

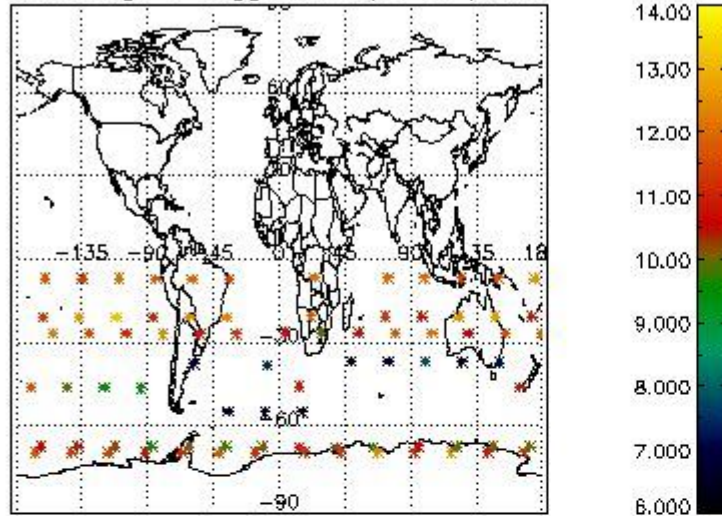
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

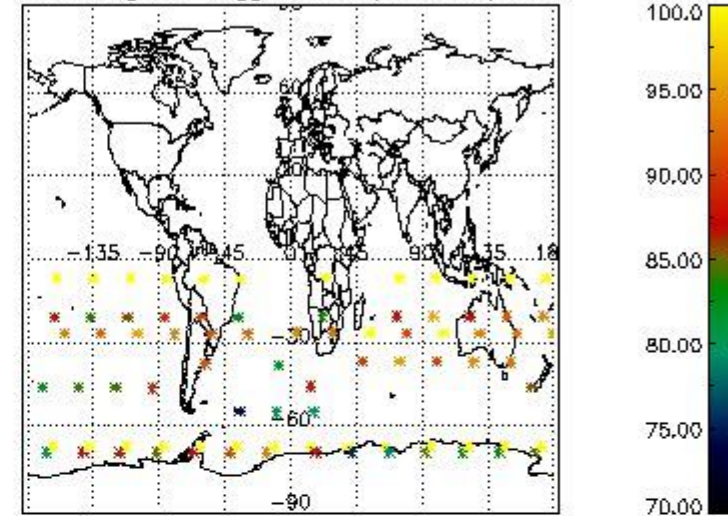


3.2 Plot quality information per product (world map)

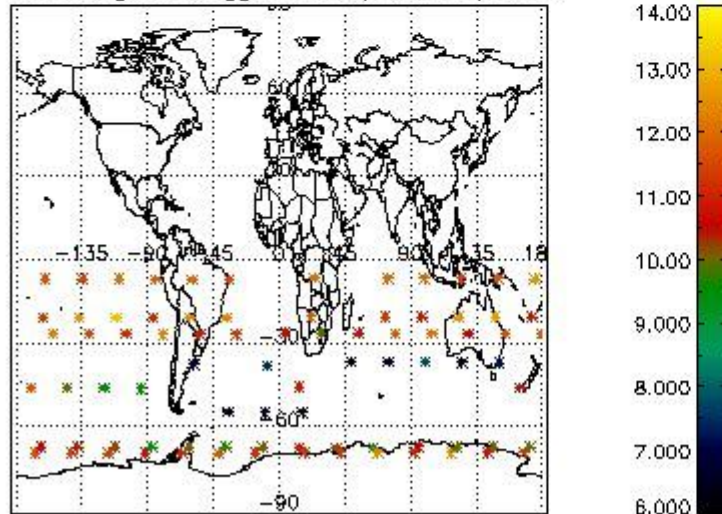
Percentage of flagged data per O3 profile



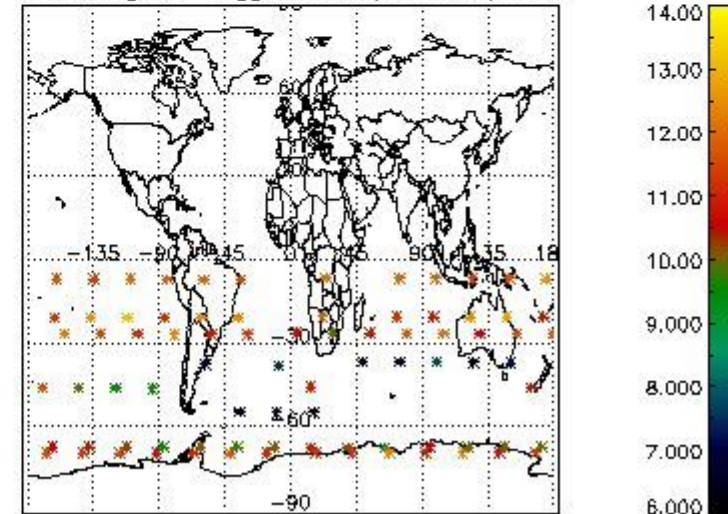
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

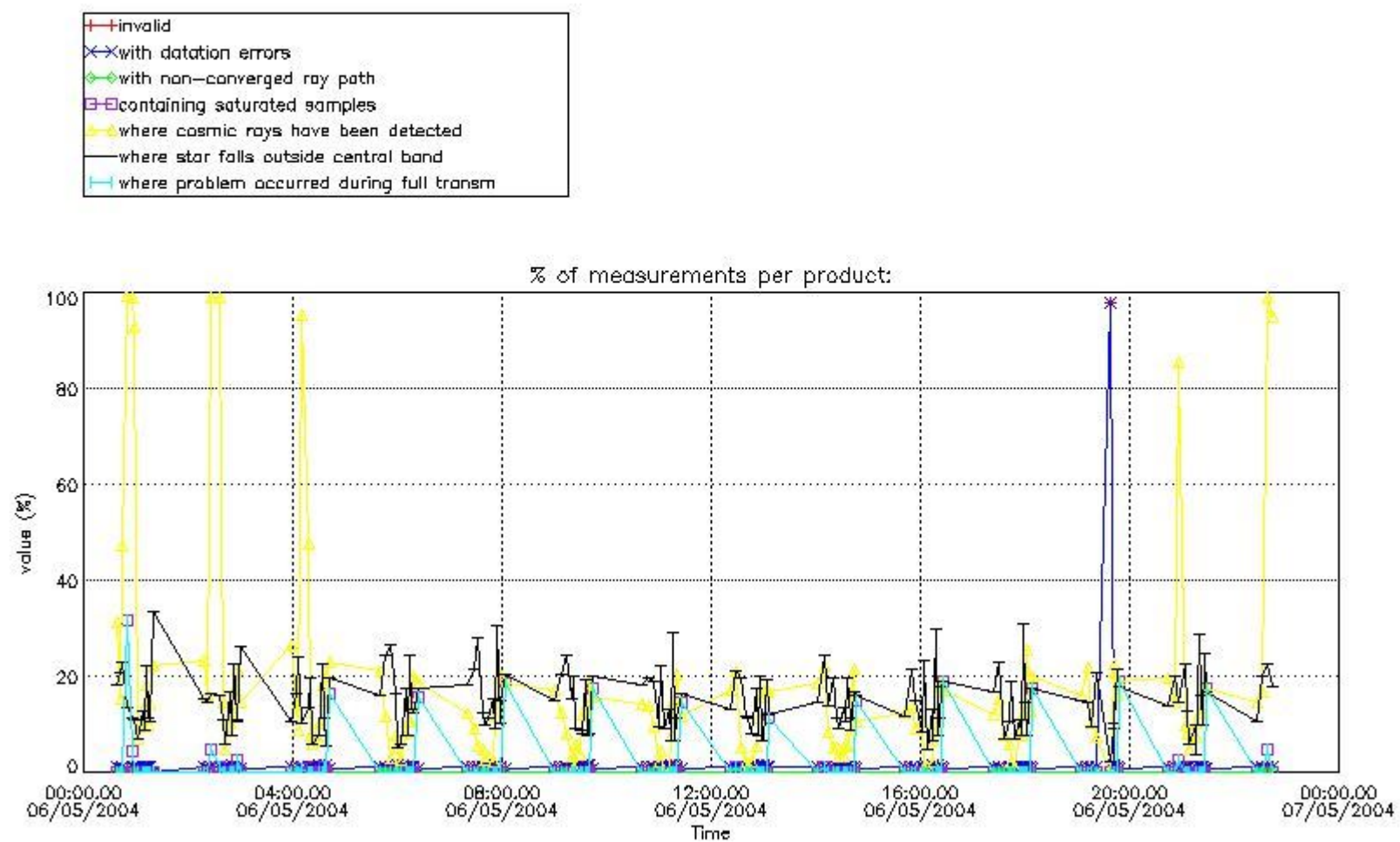


4. Level 1 quality information per product

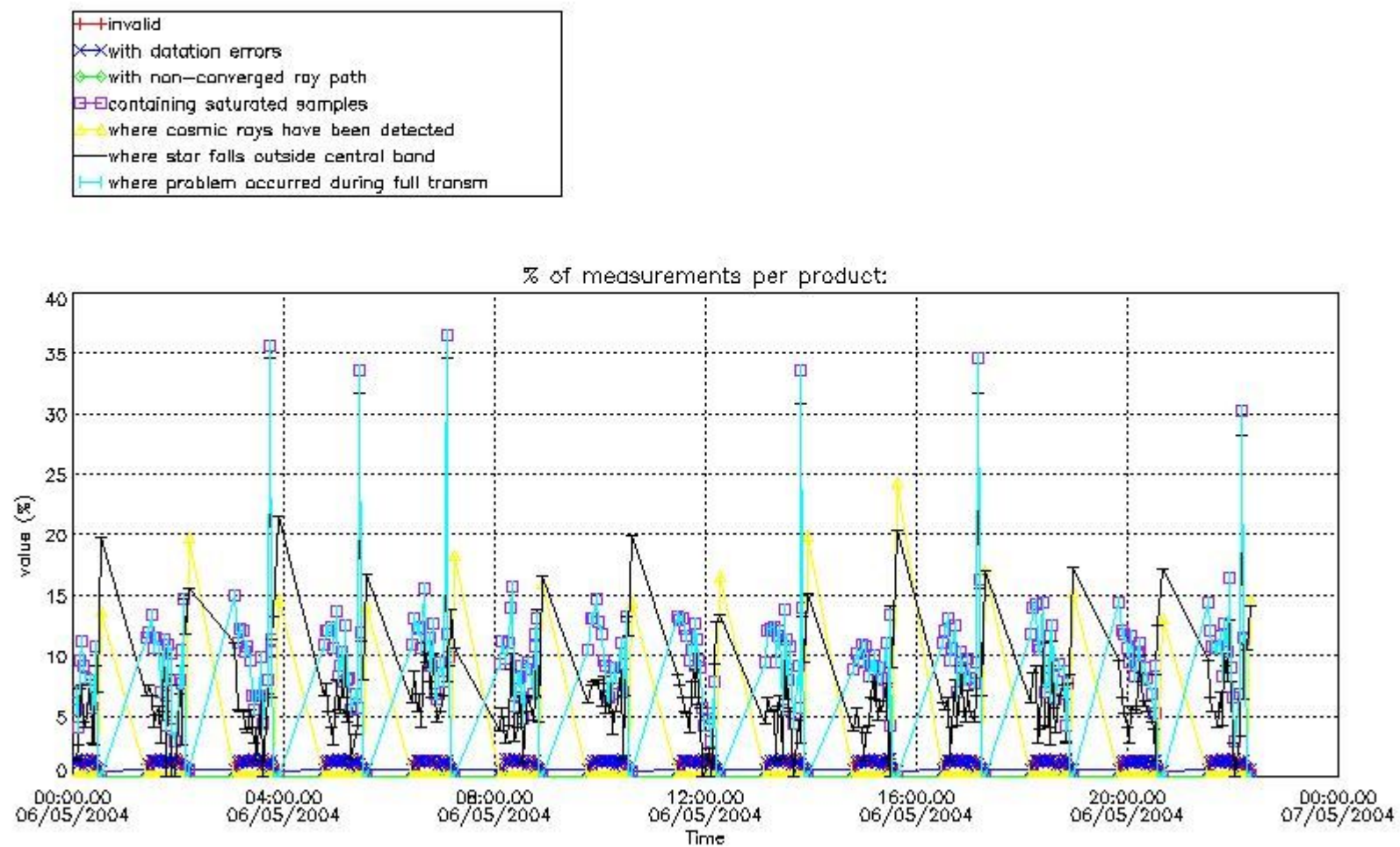
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



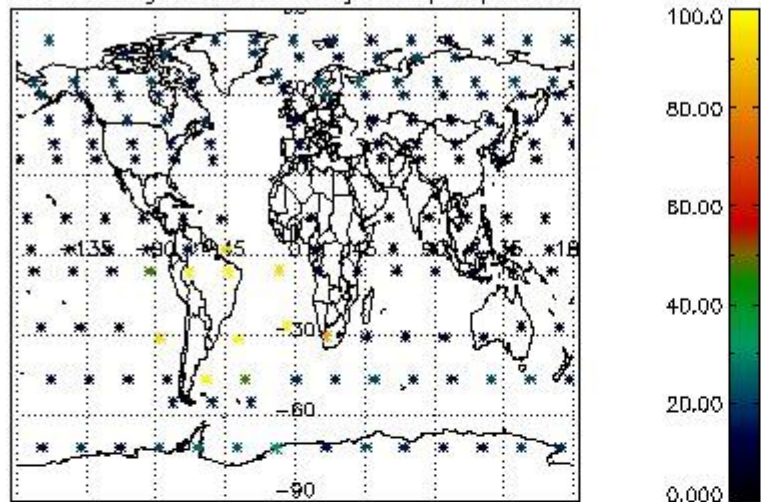
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



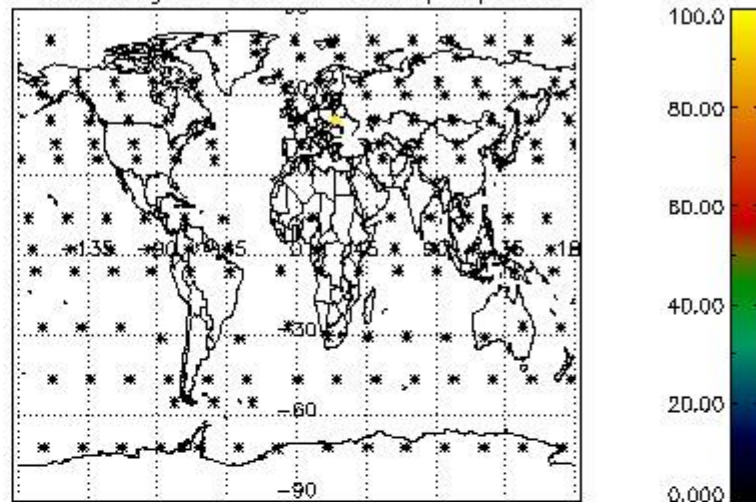
4.2 Plot quality information per product coming from level 1b processing (world map)

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

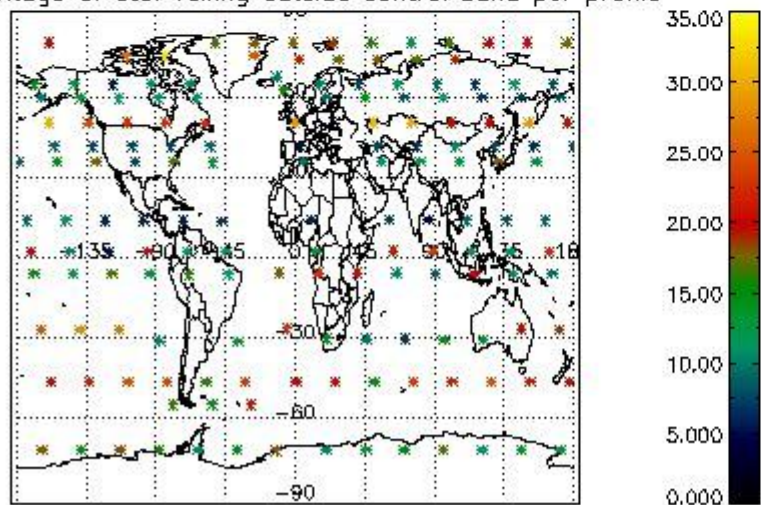
Percentage of cosmic ray hits per profile



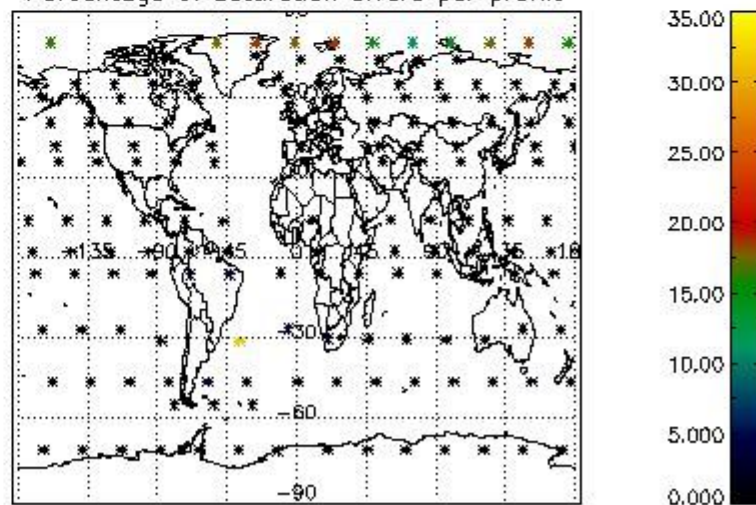
Percentage of datation errors per profile



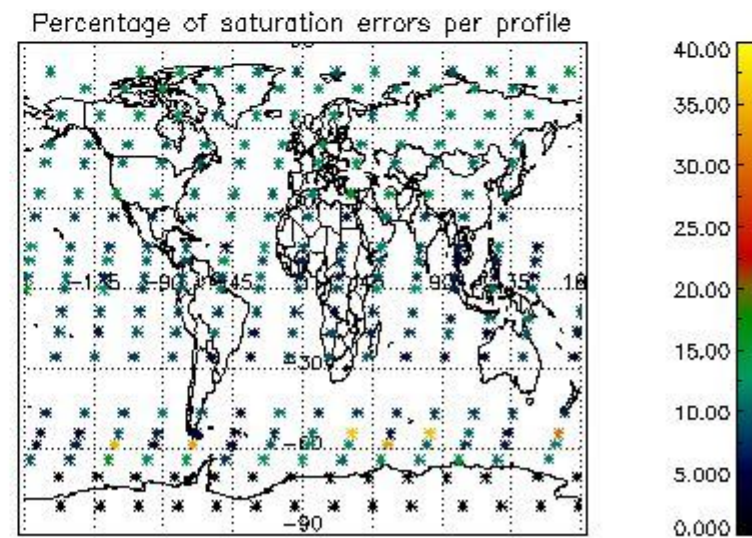
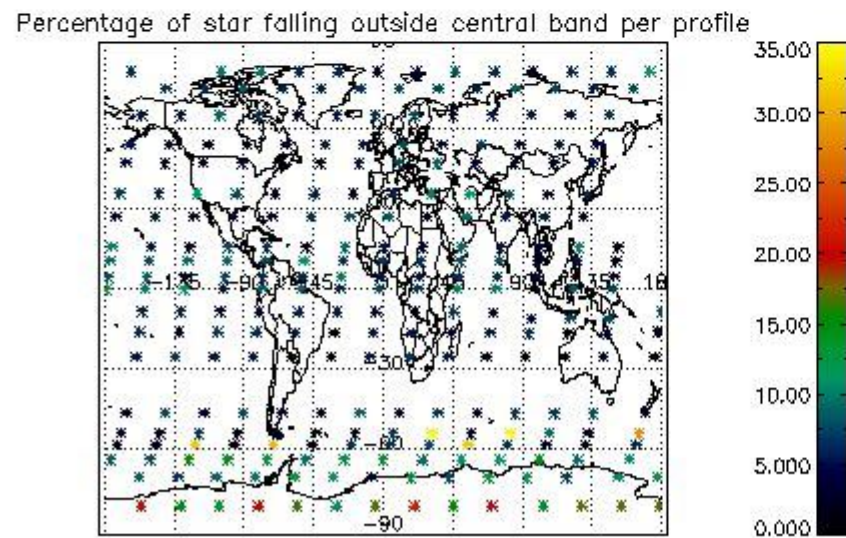
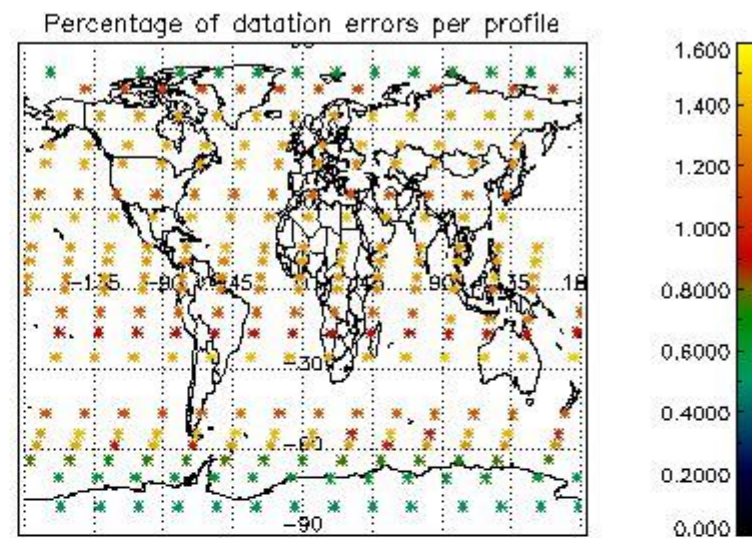
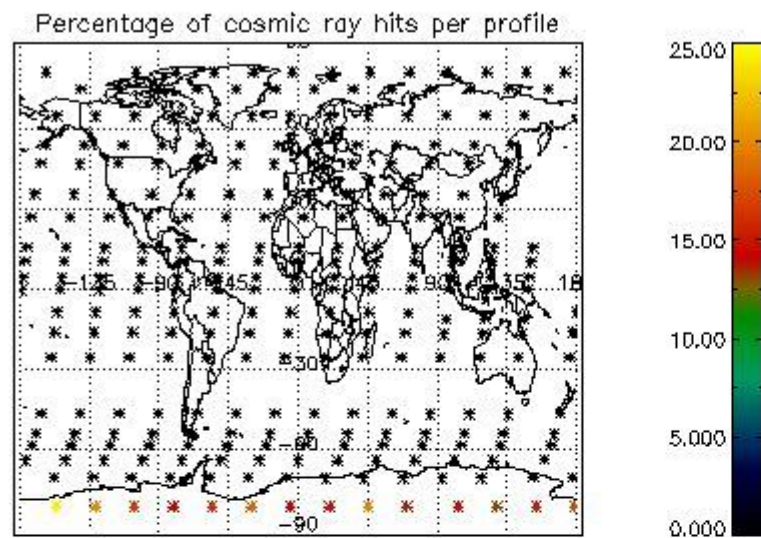
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

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

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

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

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

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

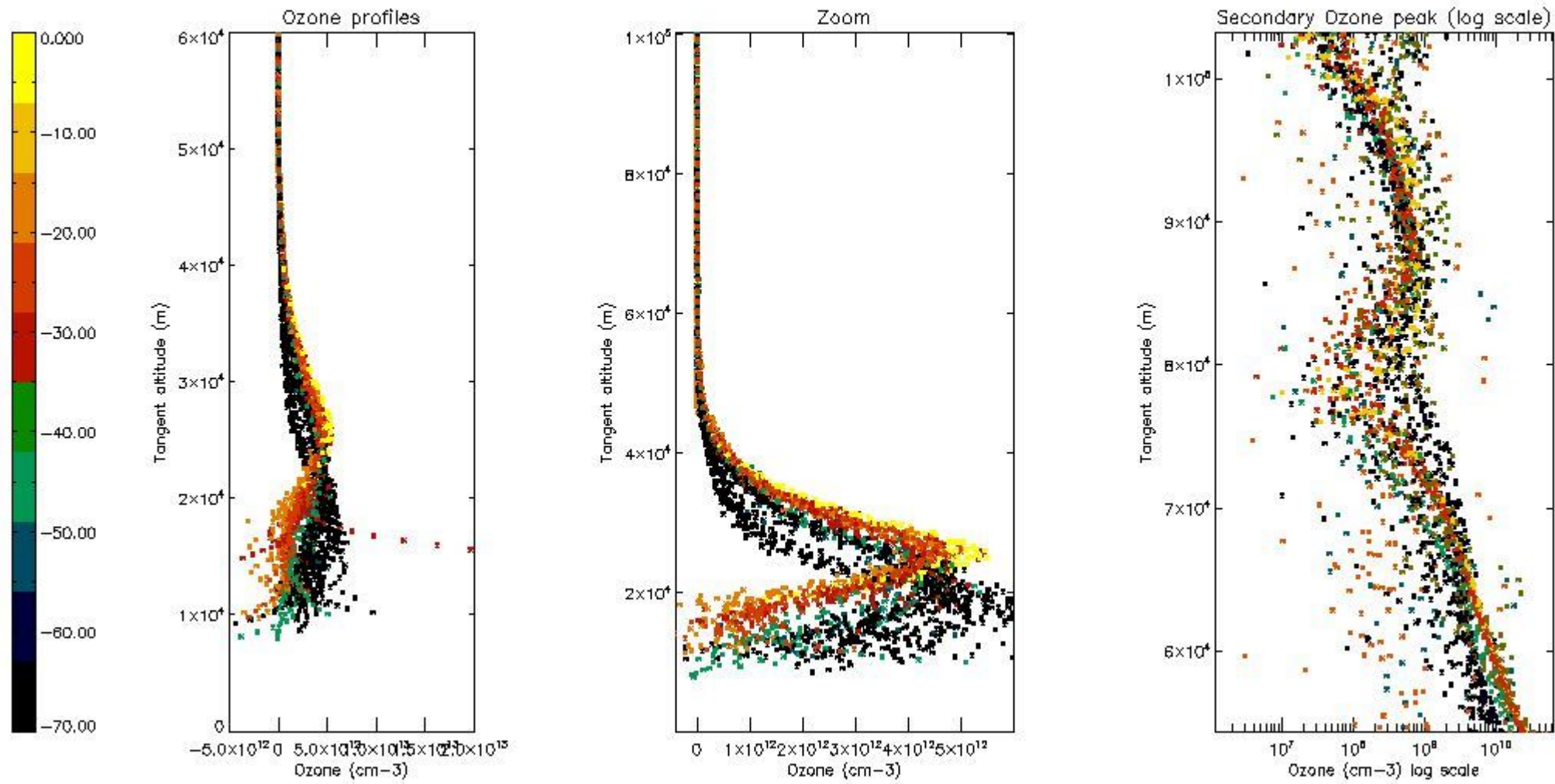
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	20
STD < 20	10

STD < 10	8
STD < 5	6

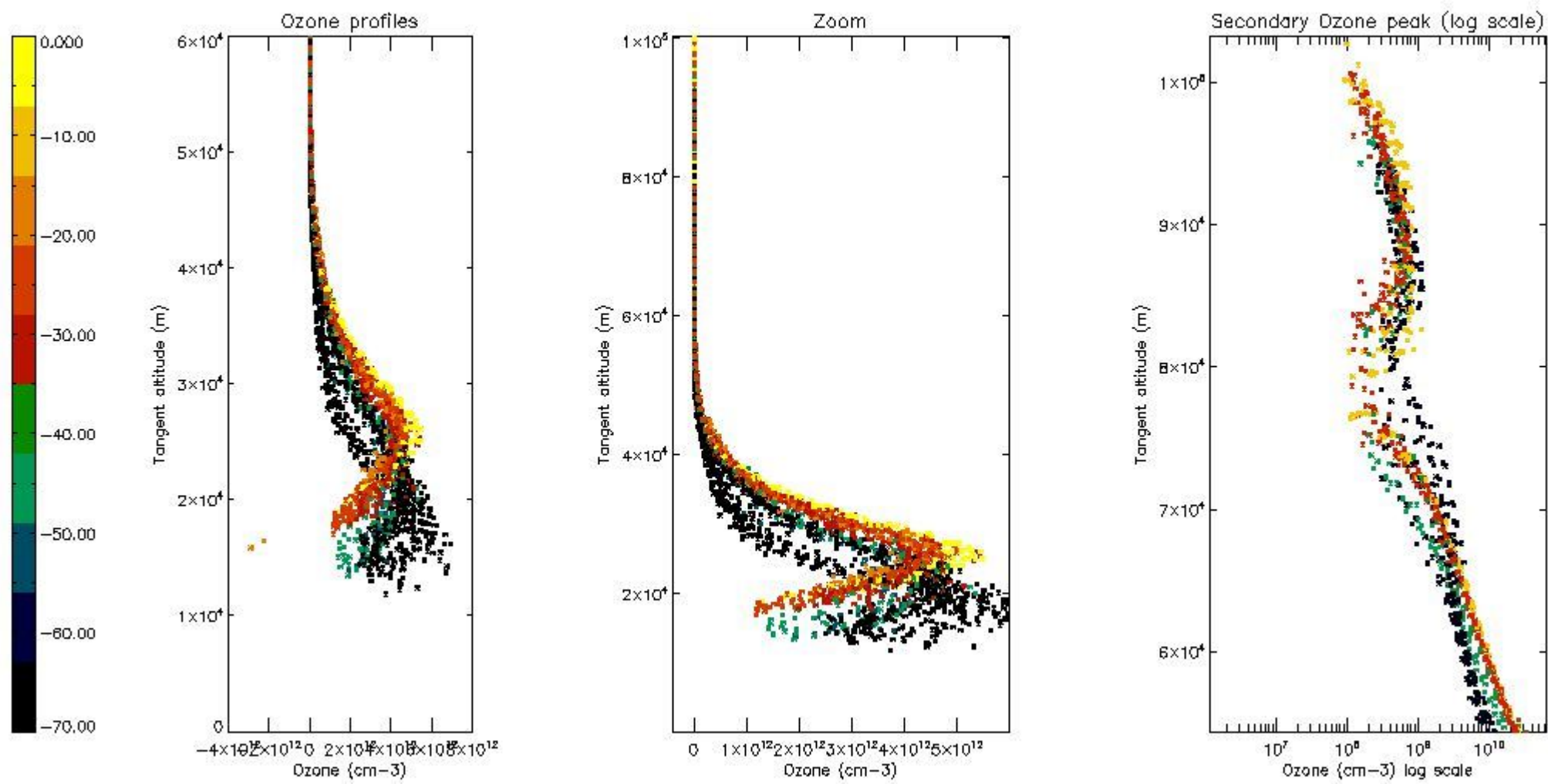
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



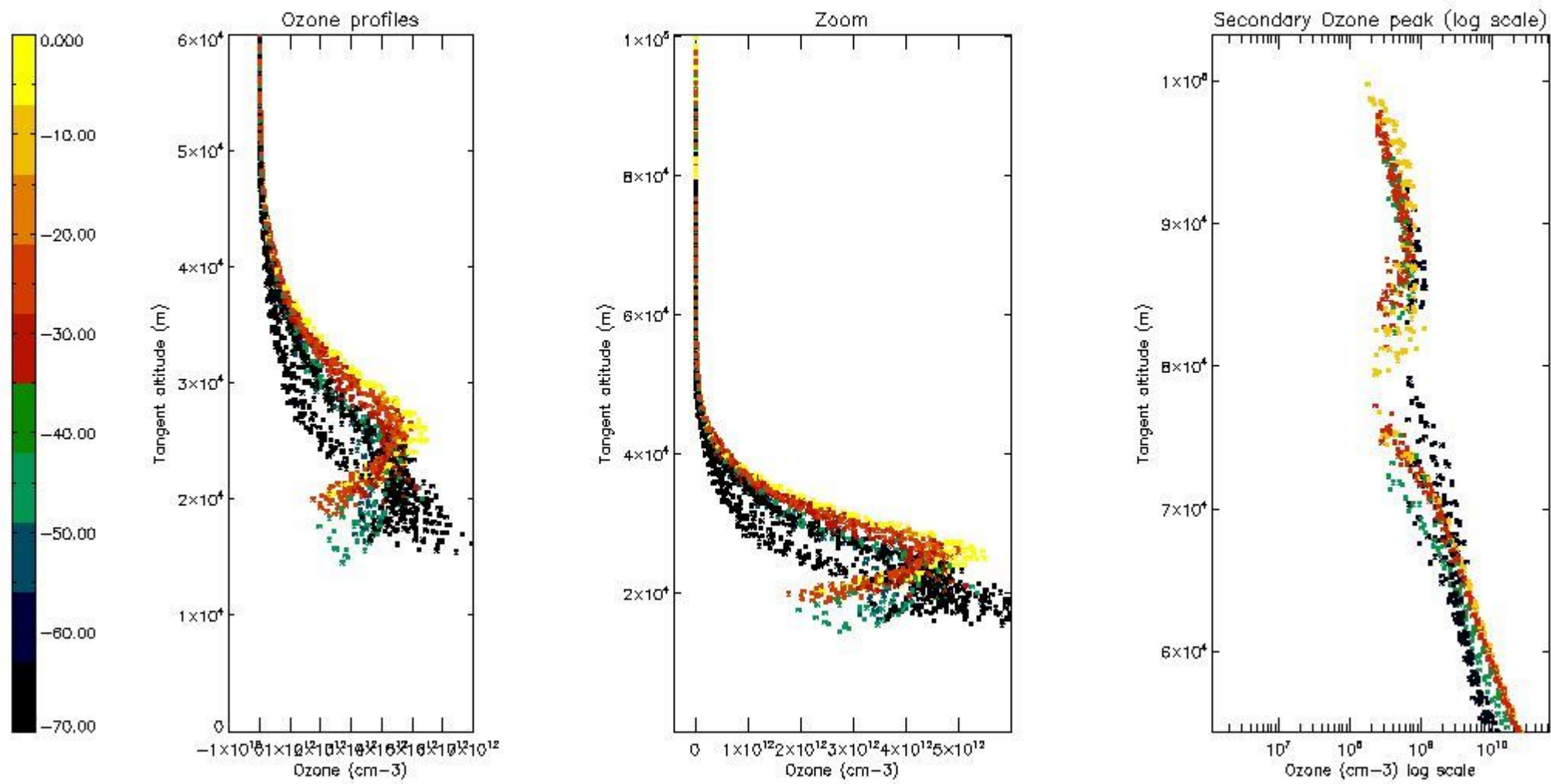
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



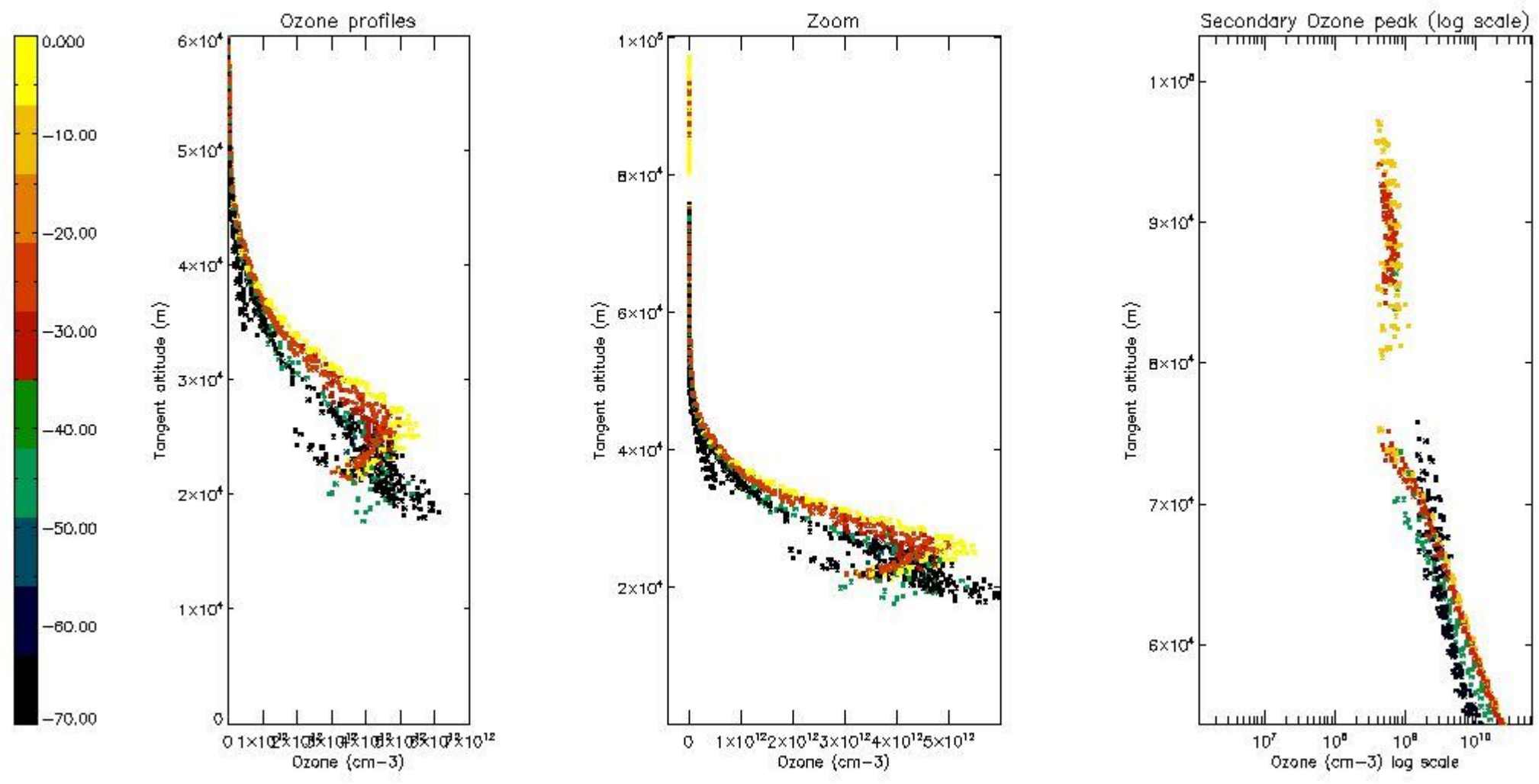
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



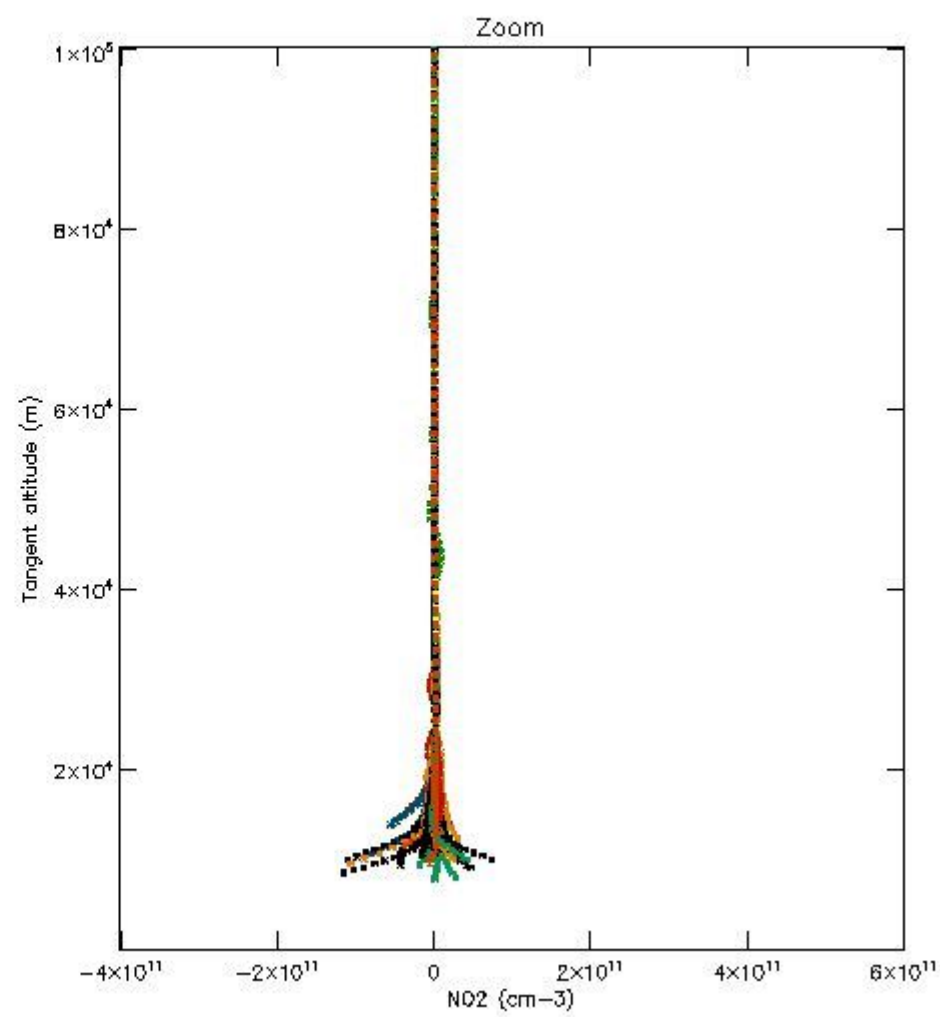
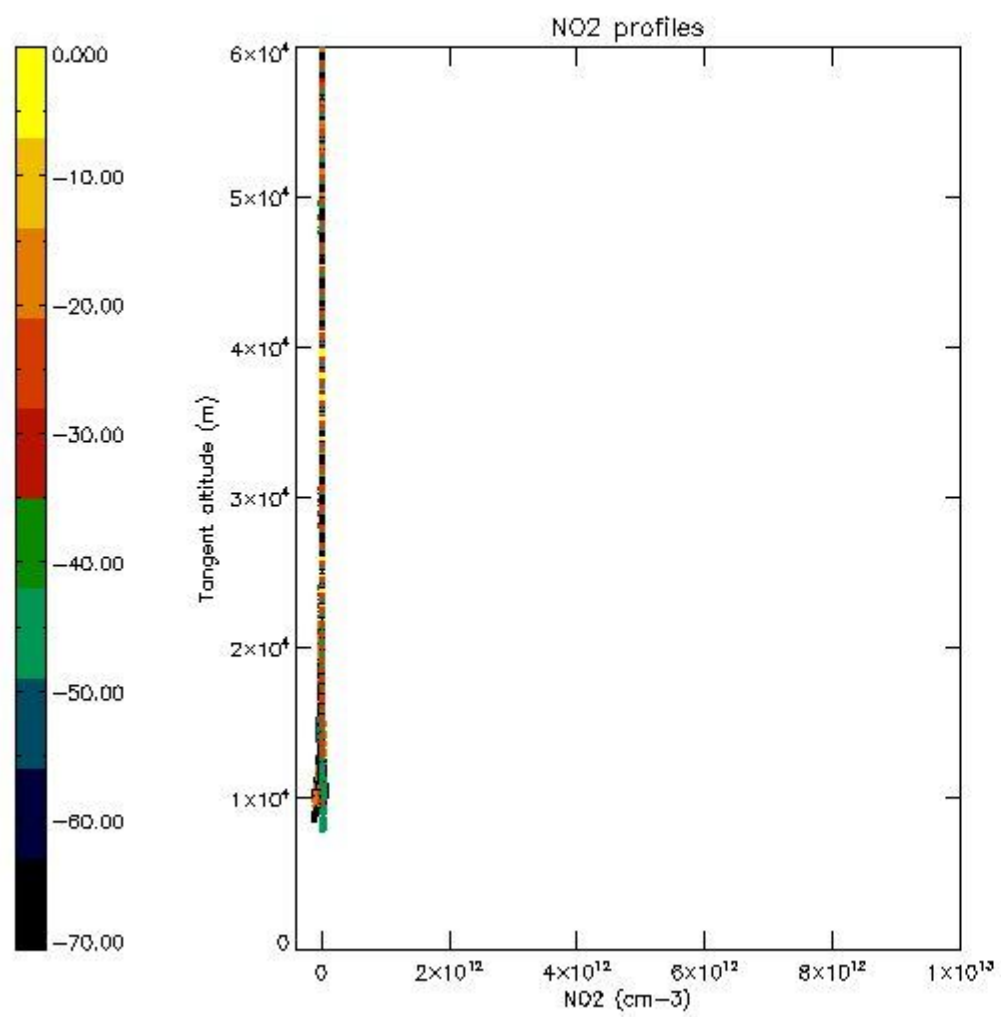
5.5 Plot ozone profiles where $STD < 5\%$ (dark without errors)

The colorbar represents the latitude.



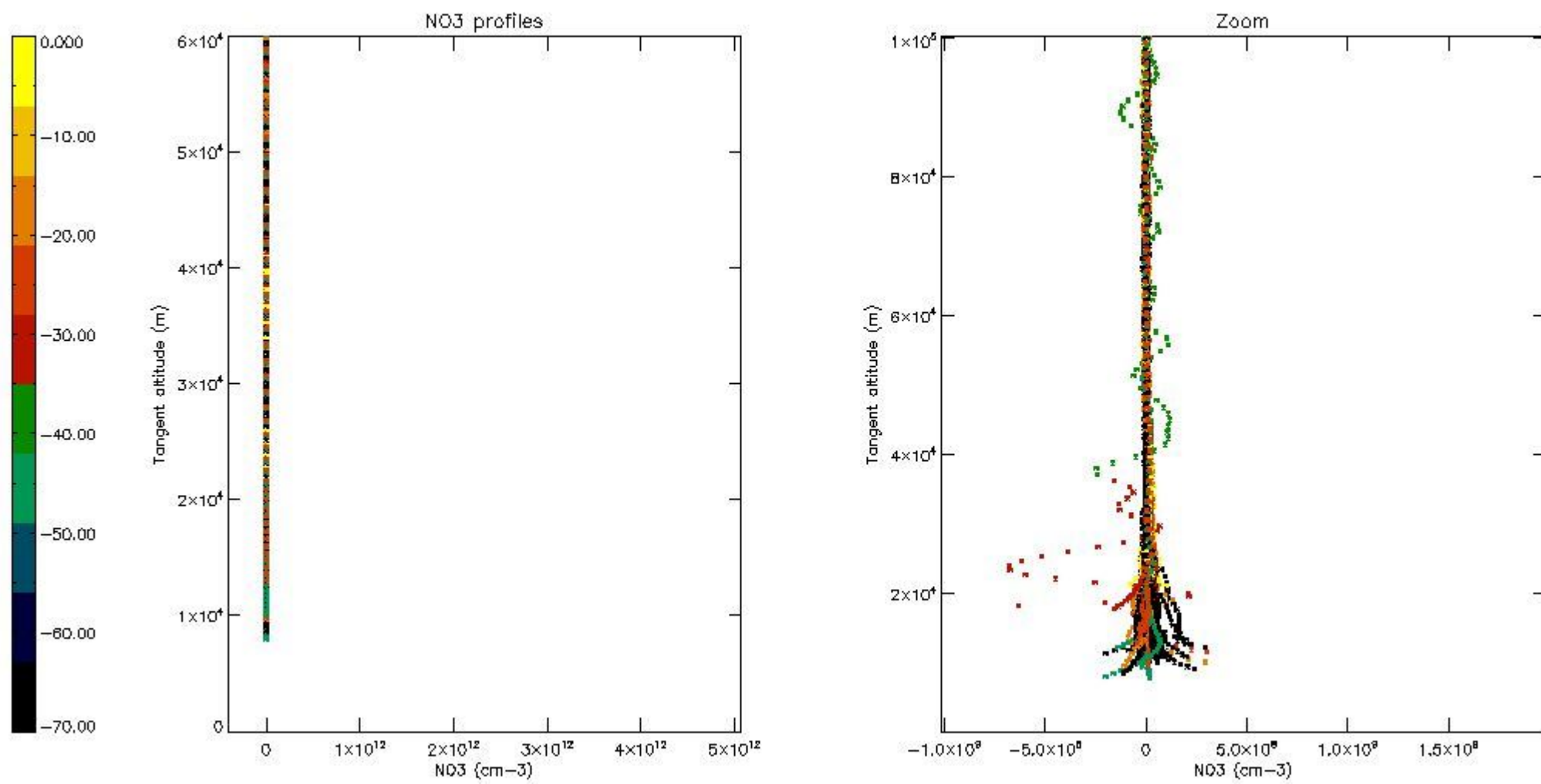
5.6 Plot NO2 profiles for all STD (dark without errors)

The colorbar represents the latitude.



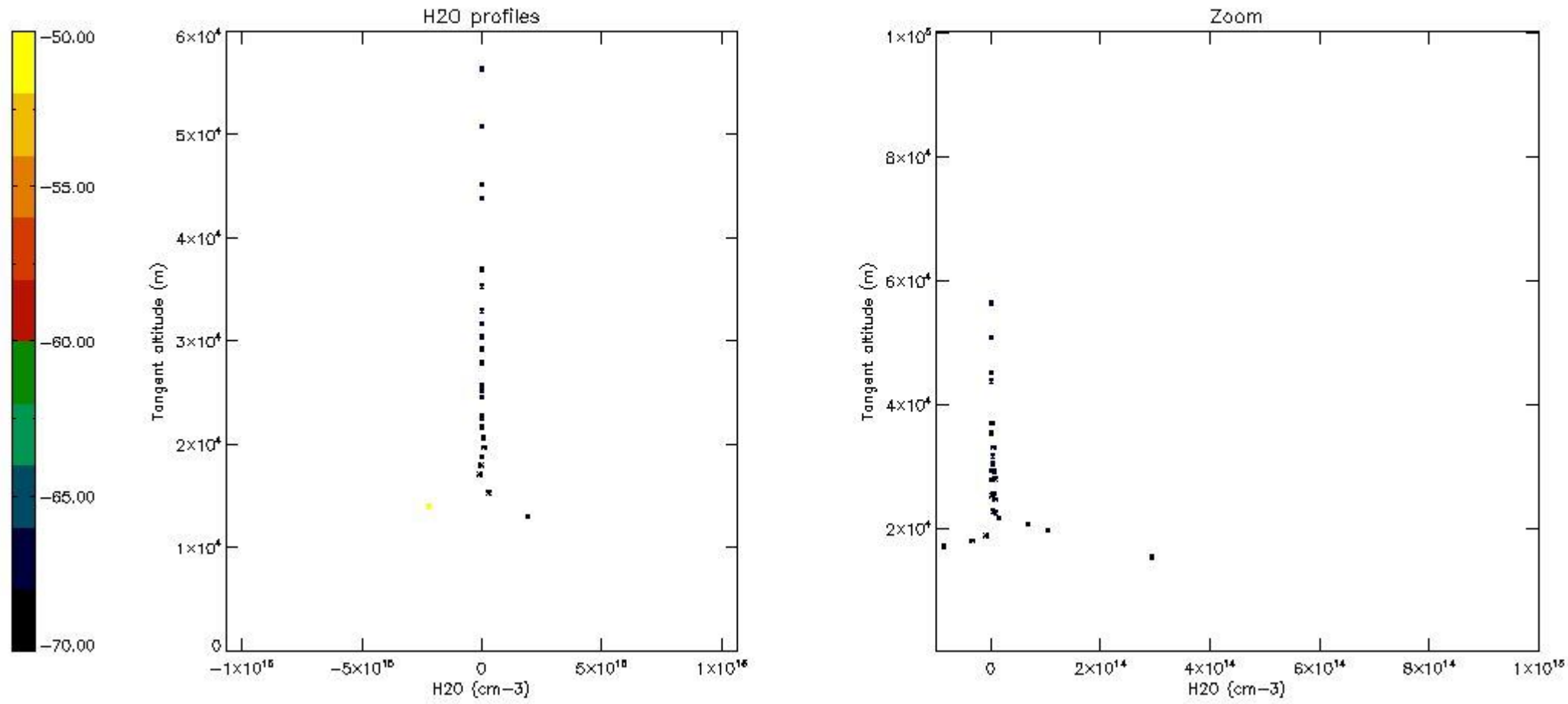
5.7 Plot NO3 profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

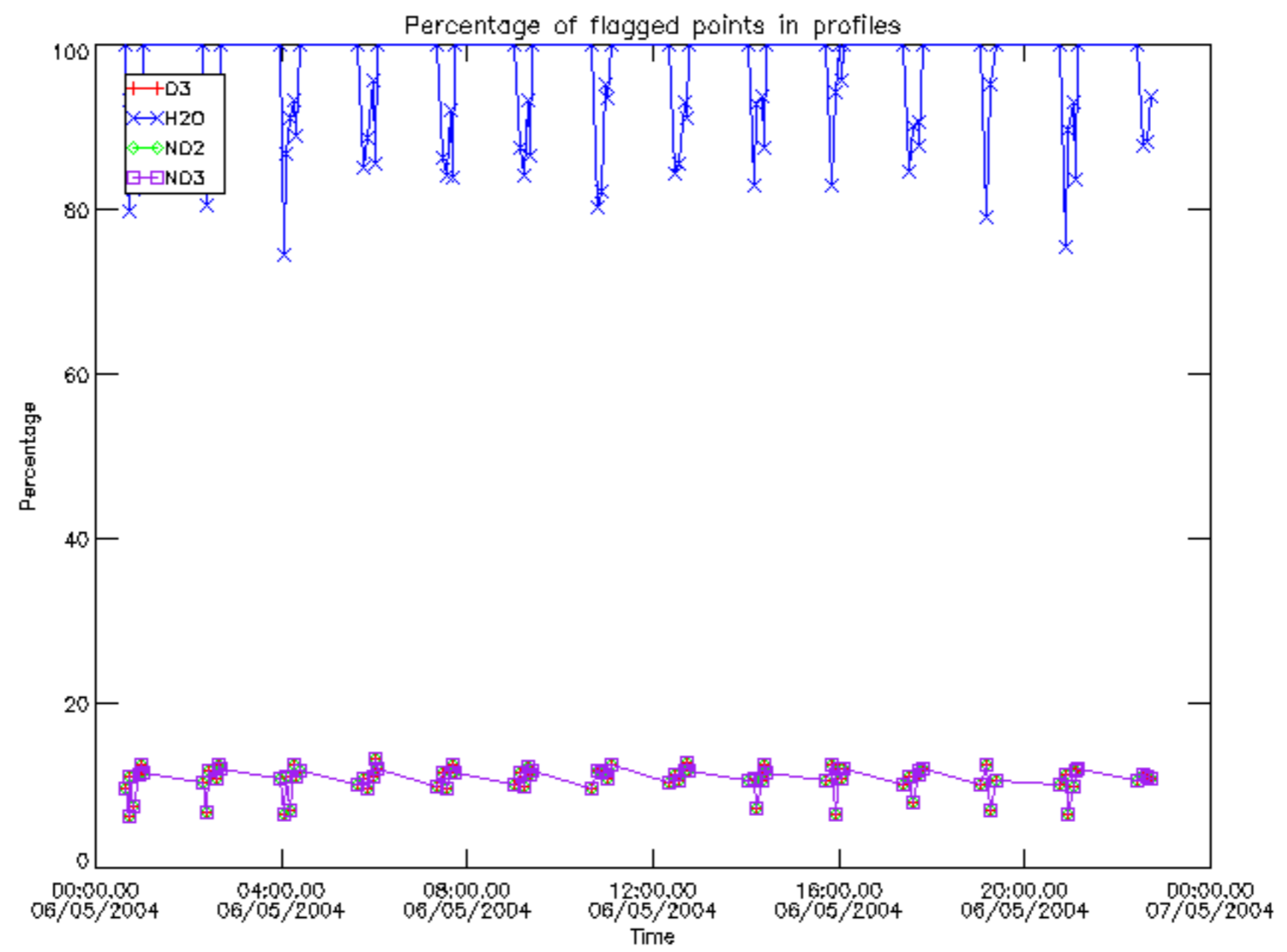
The colorbar represents the latitude.



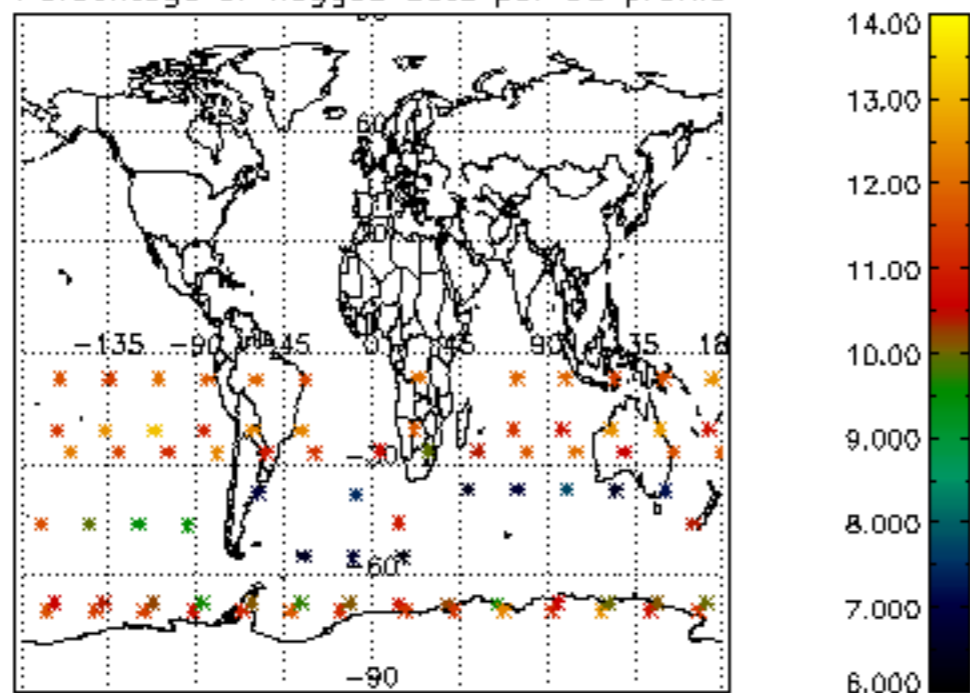
6. Auxiliary Data Files used for the production reported in section 2

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

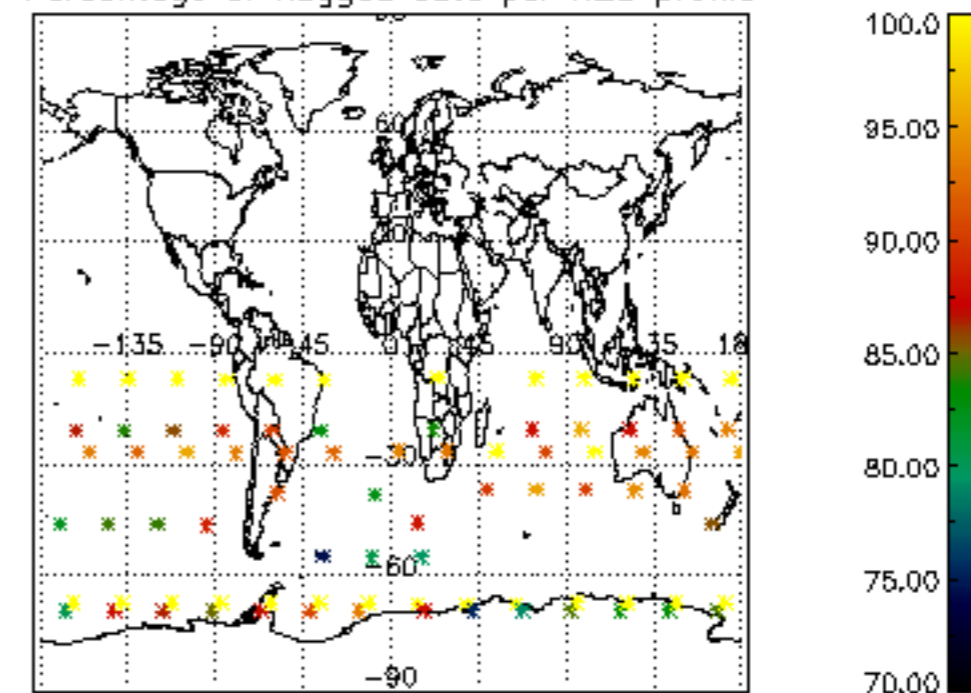
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	06-MAY-2004 00:03:07
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	06-MAY-2004 00:03:07
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	06-MAY-2004 00:03:07



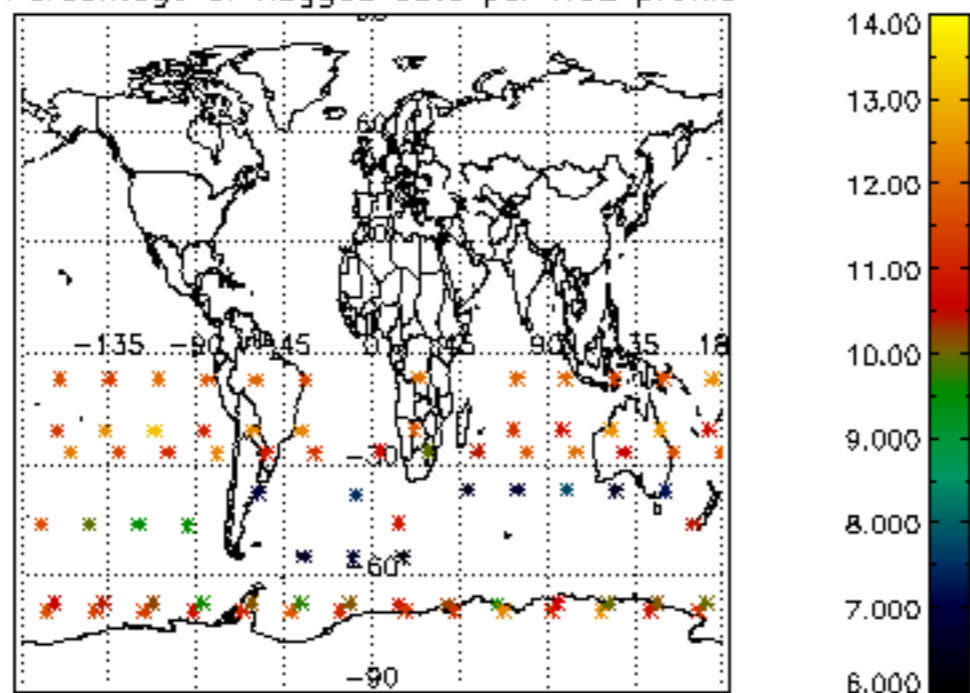
Percentage of flagged data per D3 profile



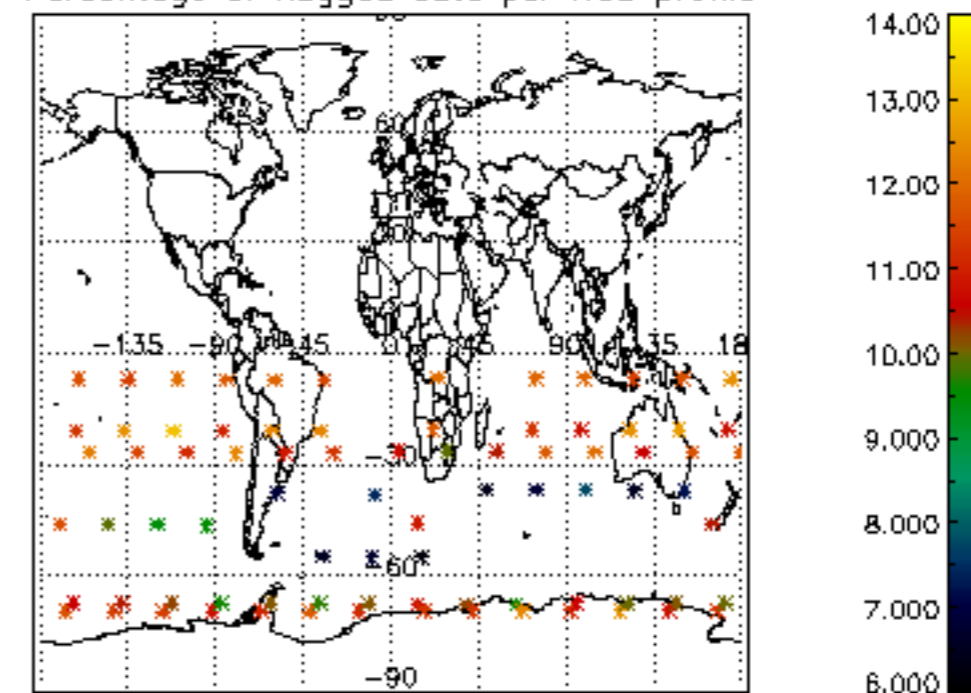
Percentage of flagged data per H2O profile

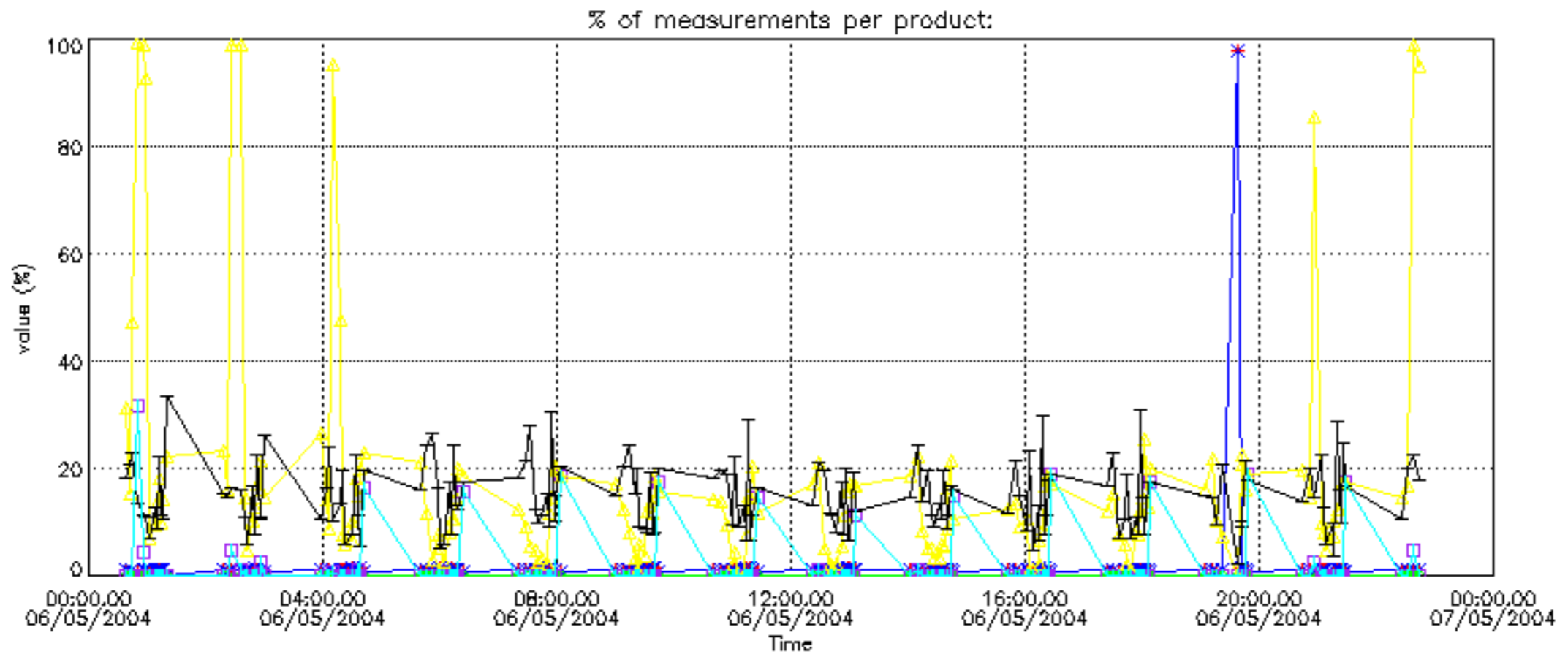


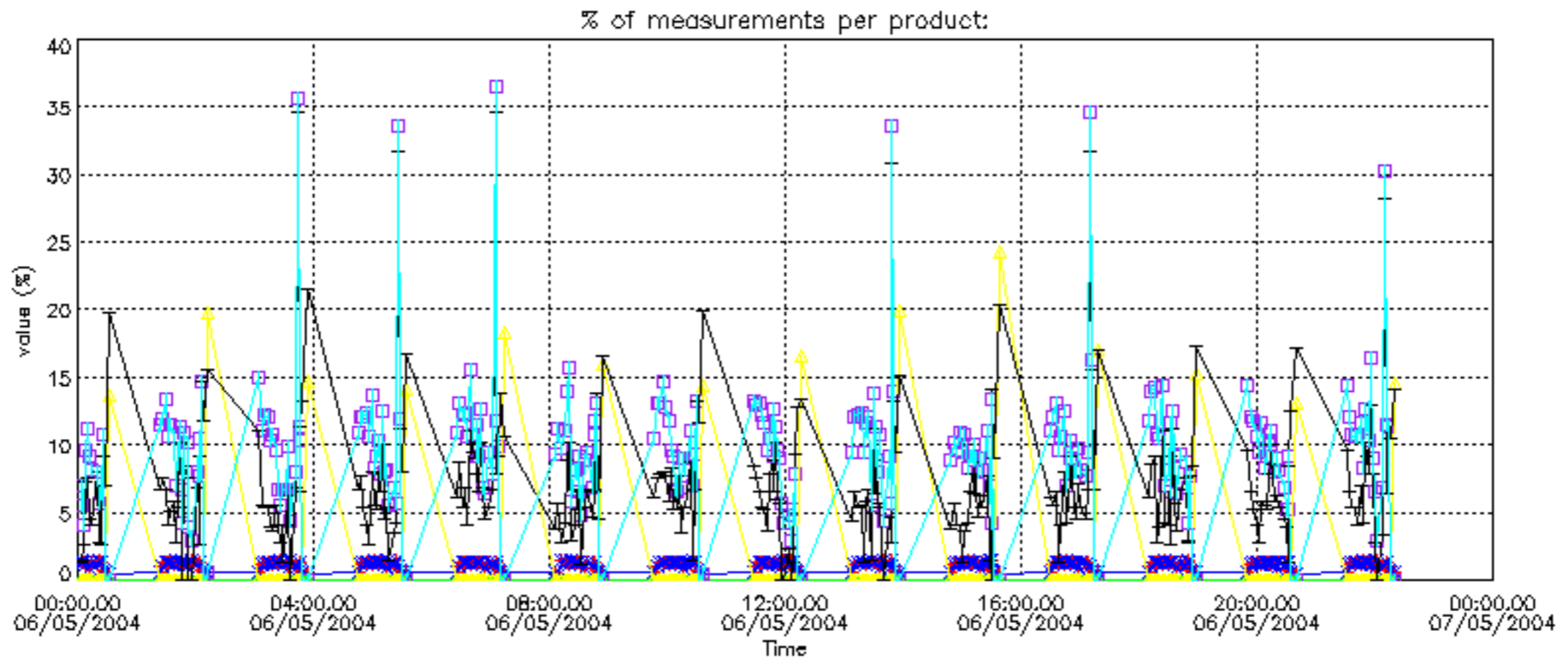
Percentage of flagged data per NO2 profile



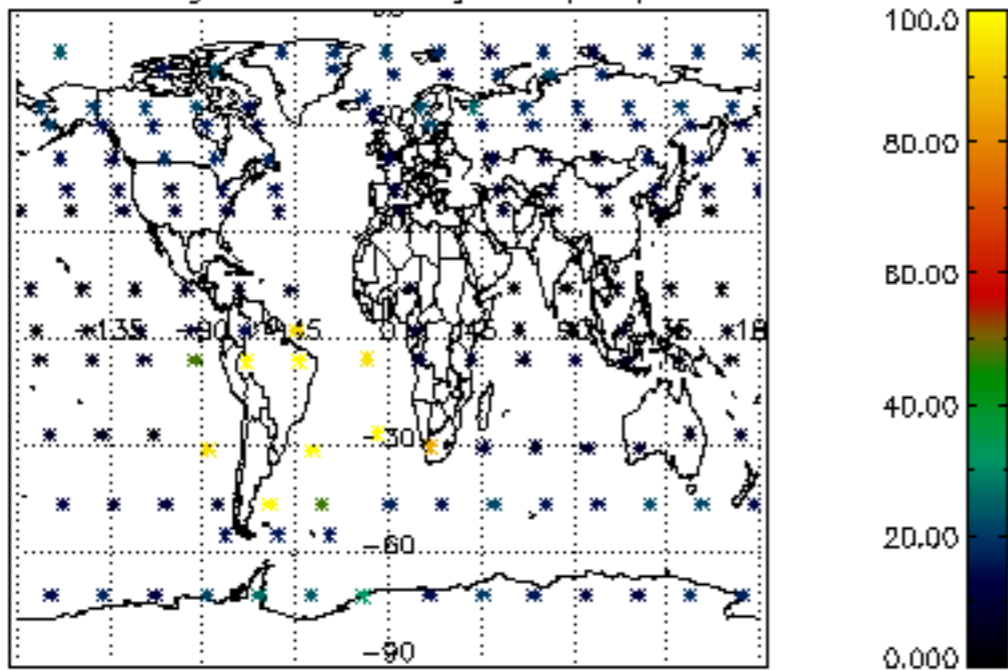
Percentage of flagged data per NO3 profile



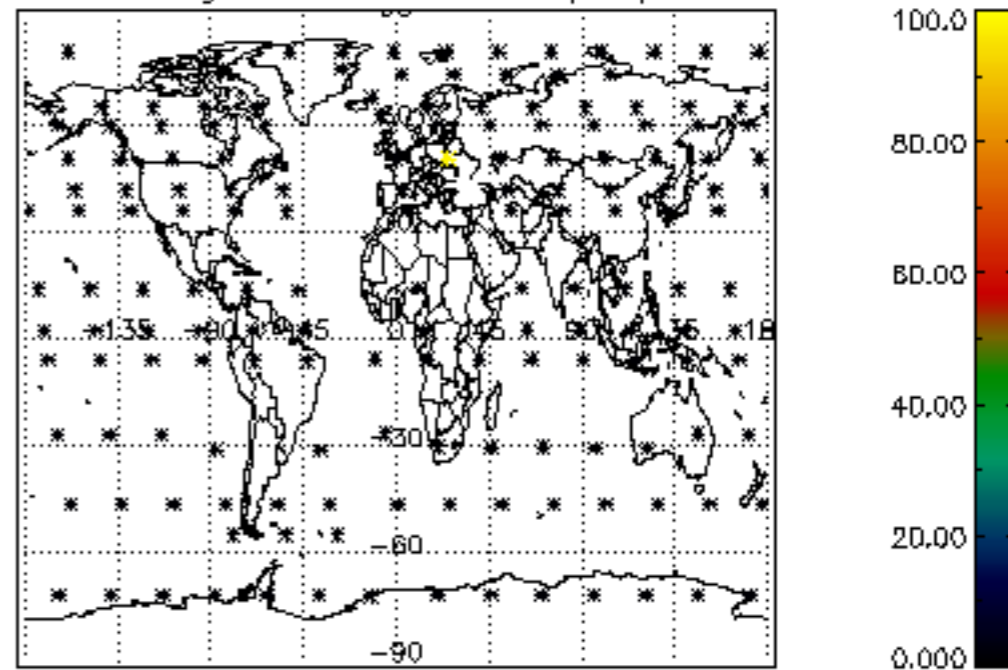




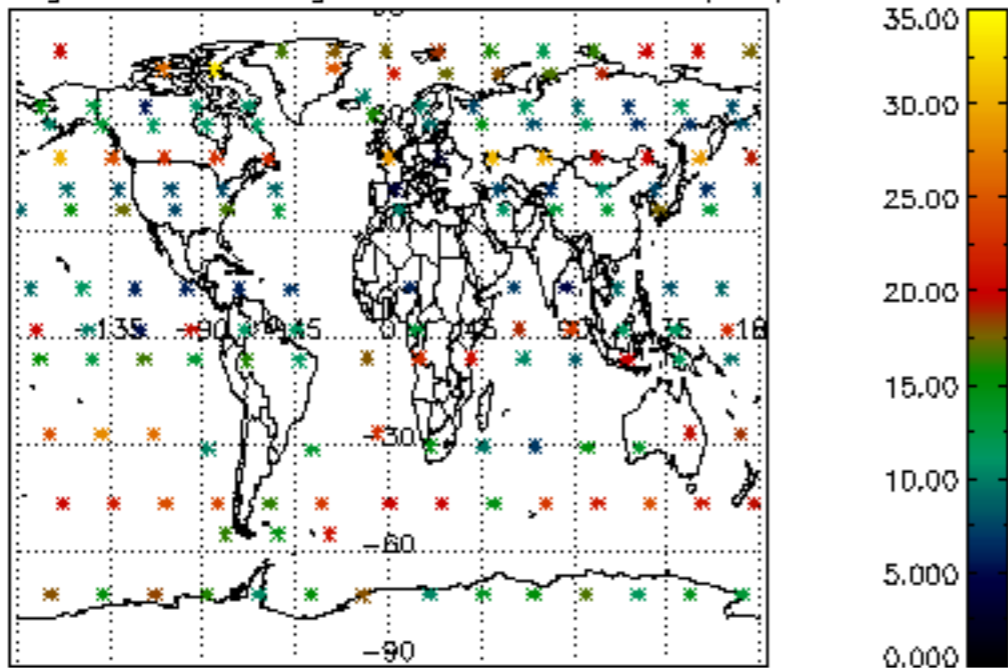
Percentage of cosmic ray hits per profile



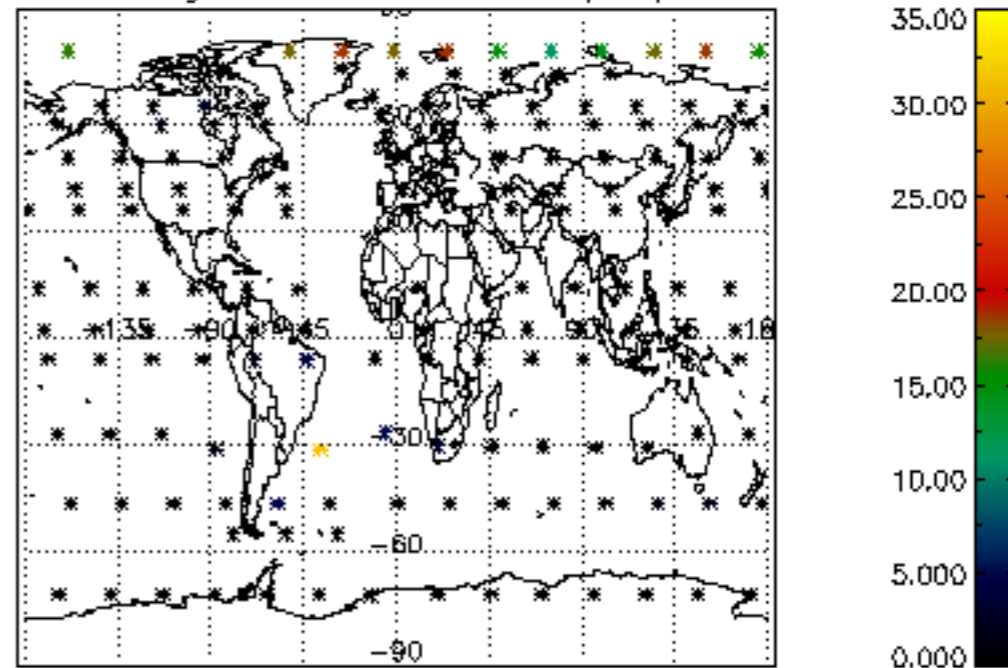
Percentage of datation errors per profile



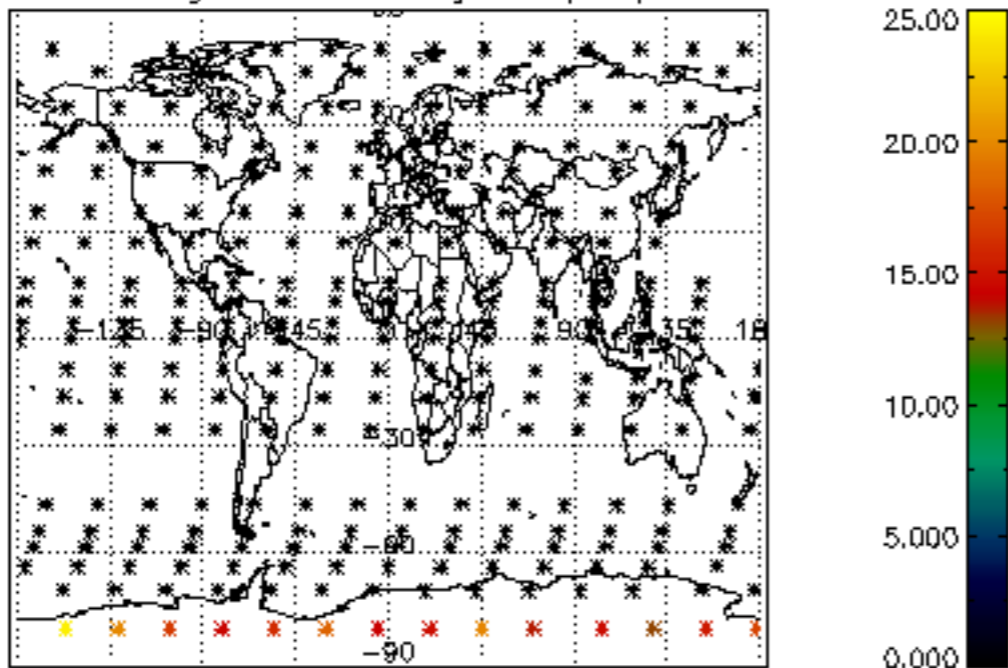
Percentage of star falling outside central band per profile



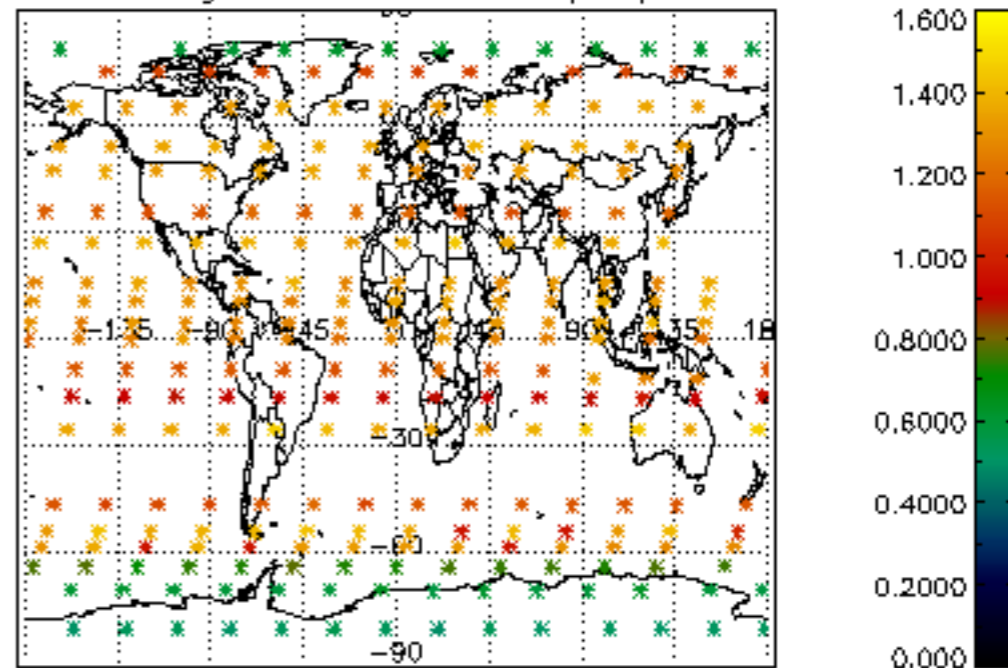
Percentage of saturation errors per profile



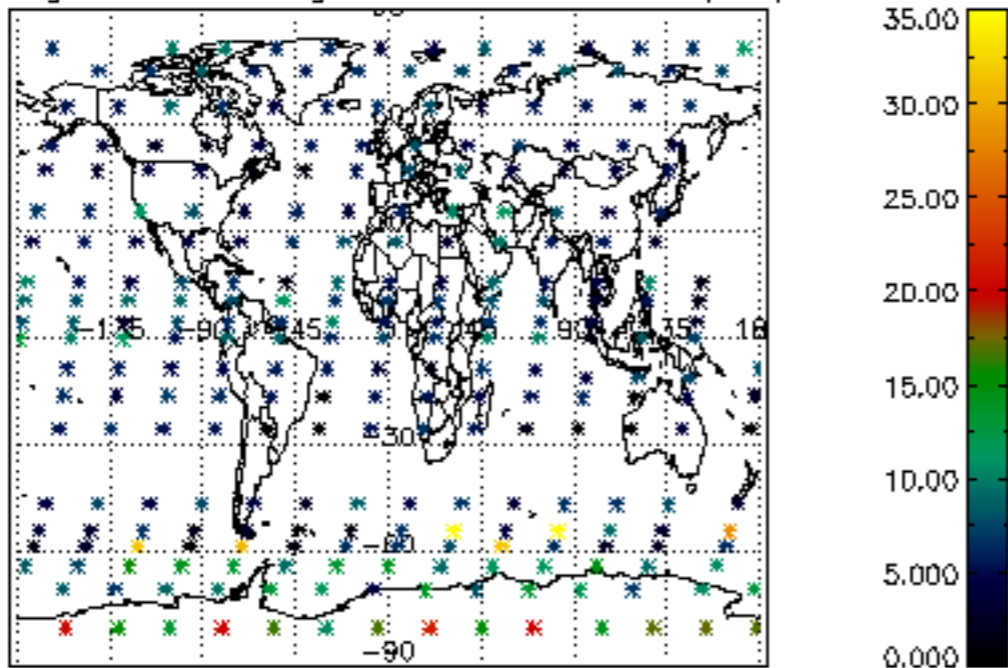
Percentage of cosmic ray hits per profile



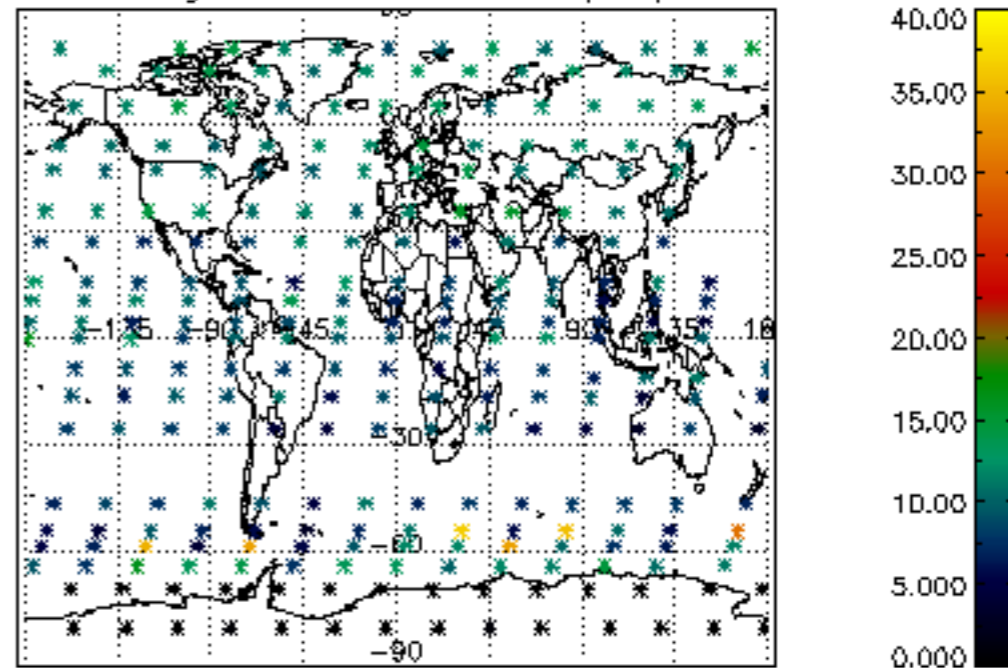
Percentage of datation errors per profile

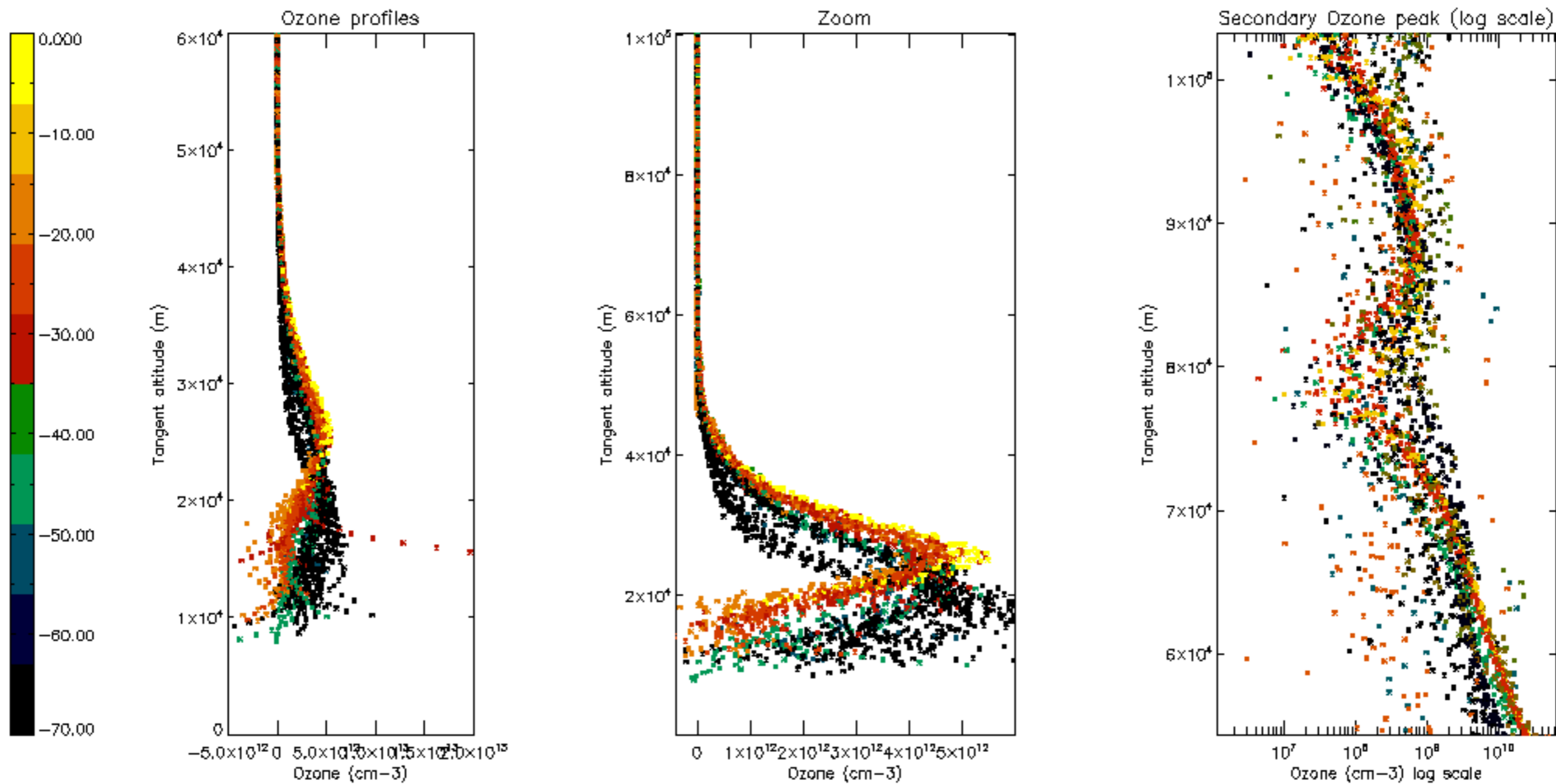


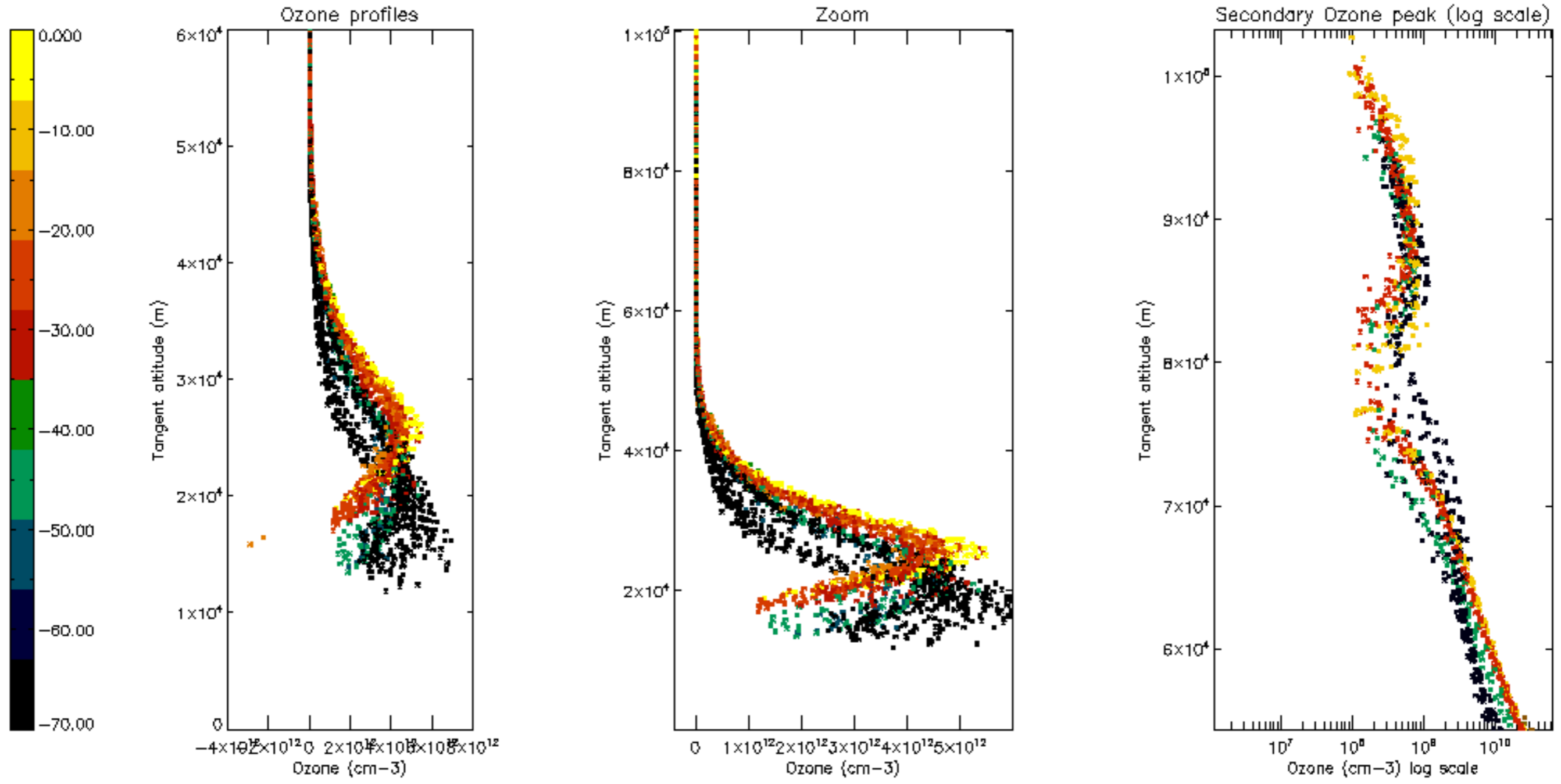
Percentage of star falling outside central band per profile

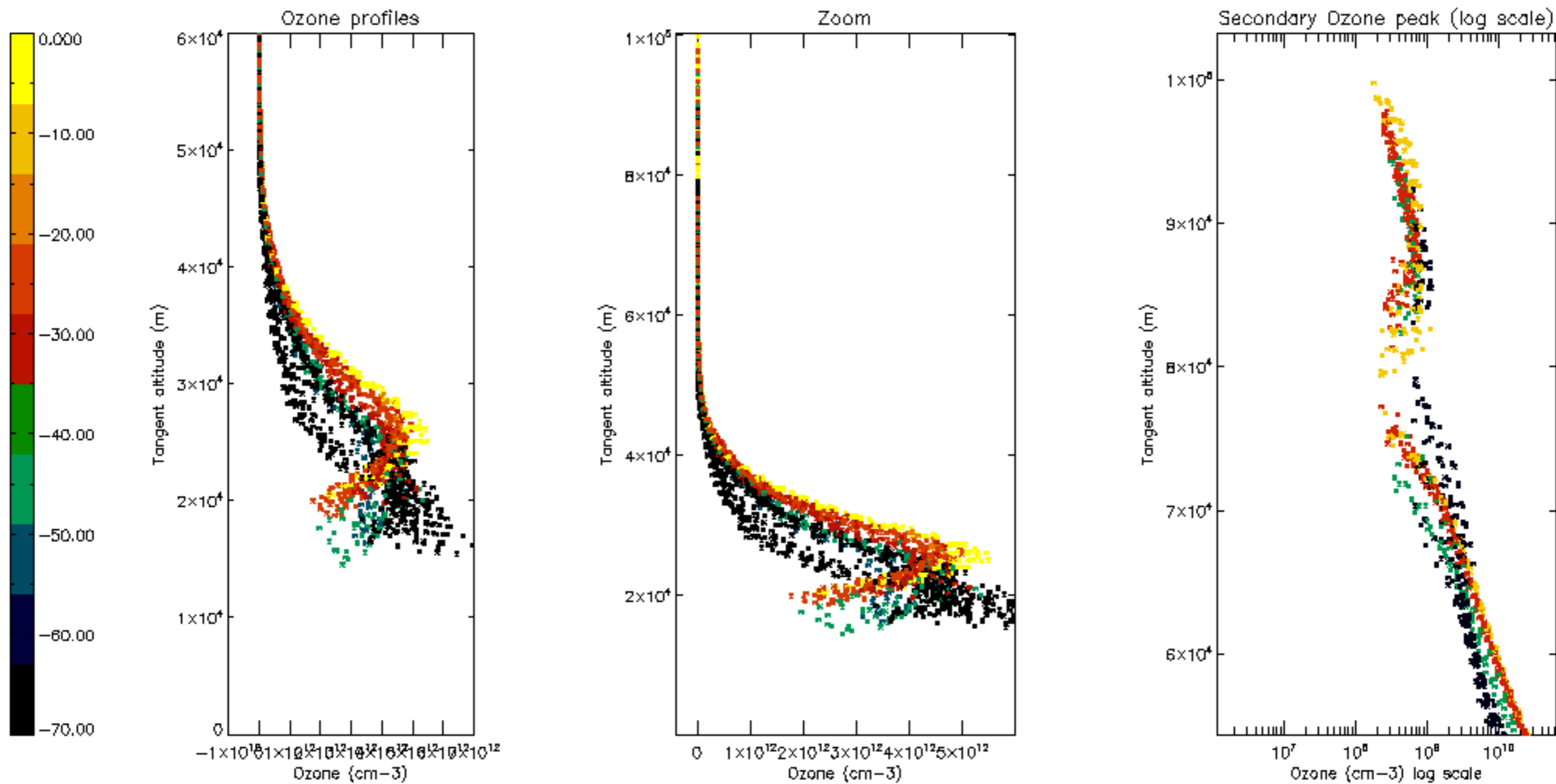


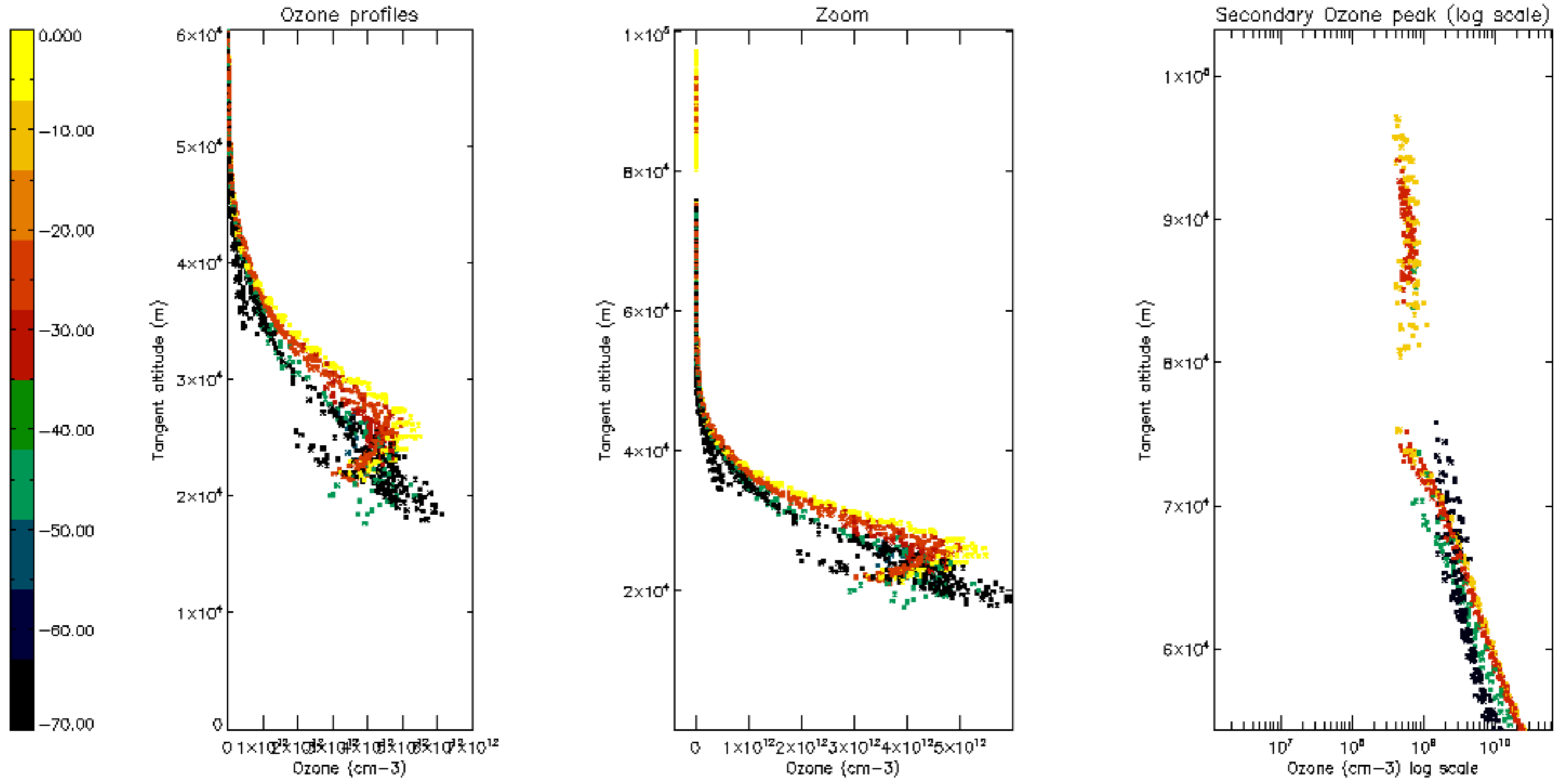
Percentage of saturation errors per profile

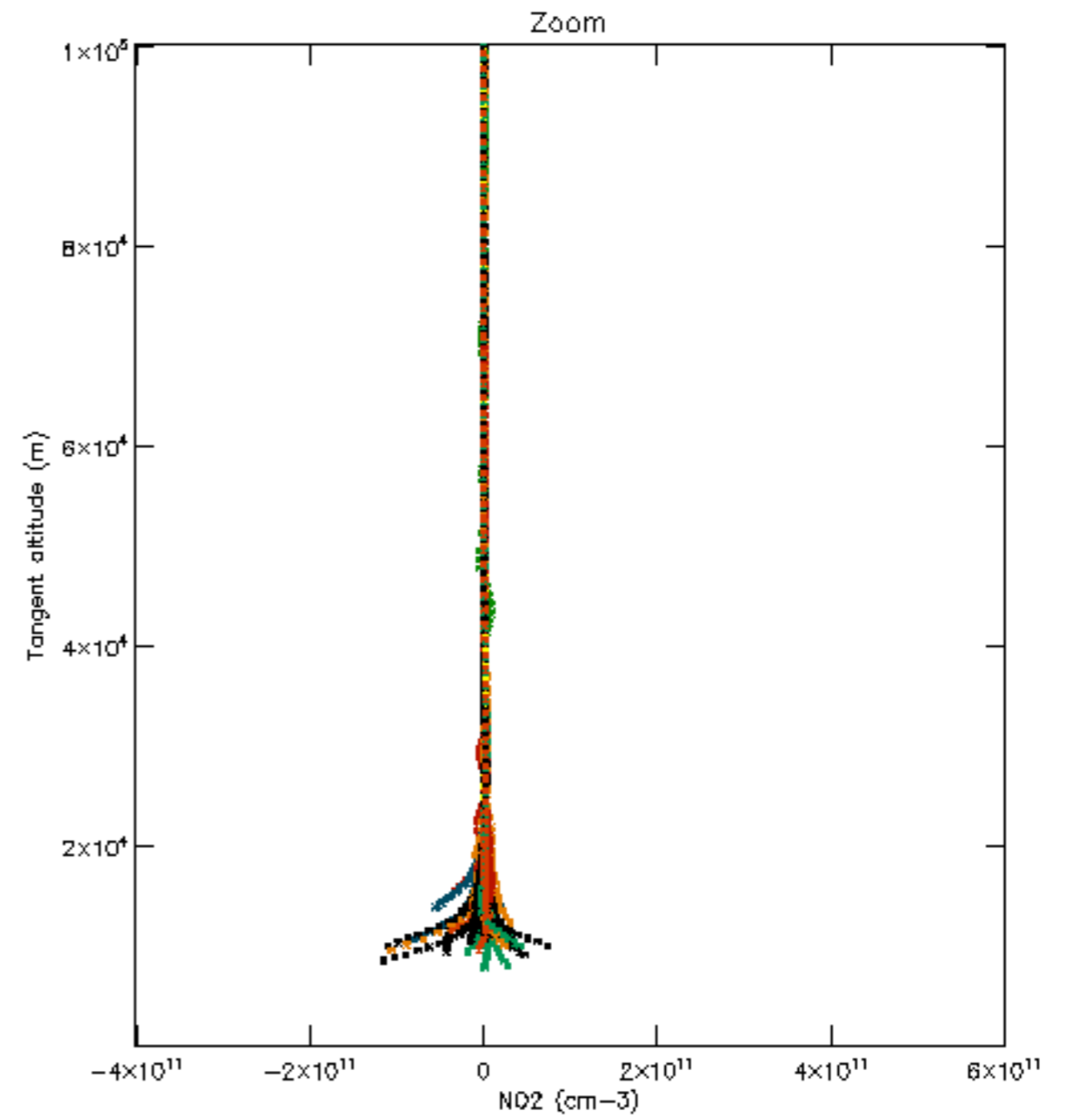
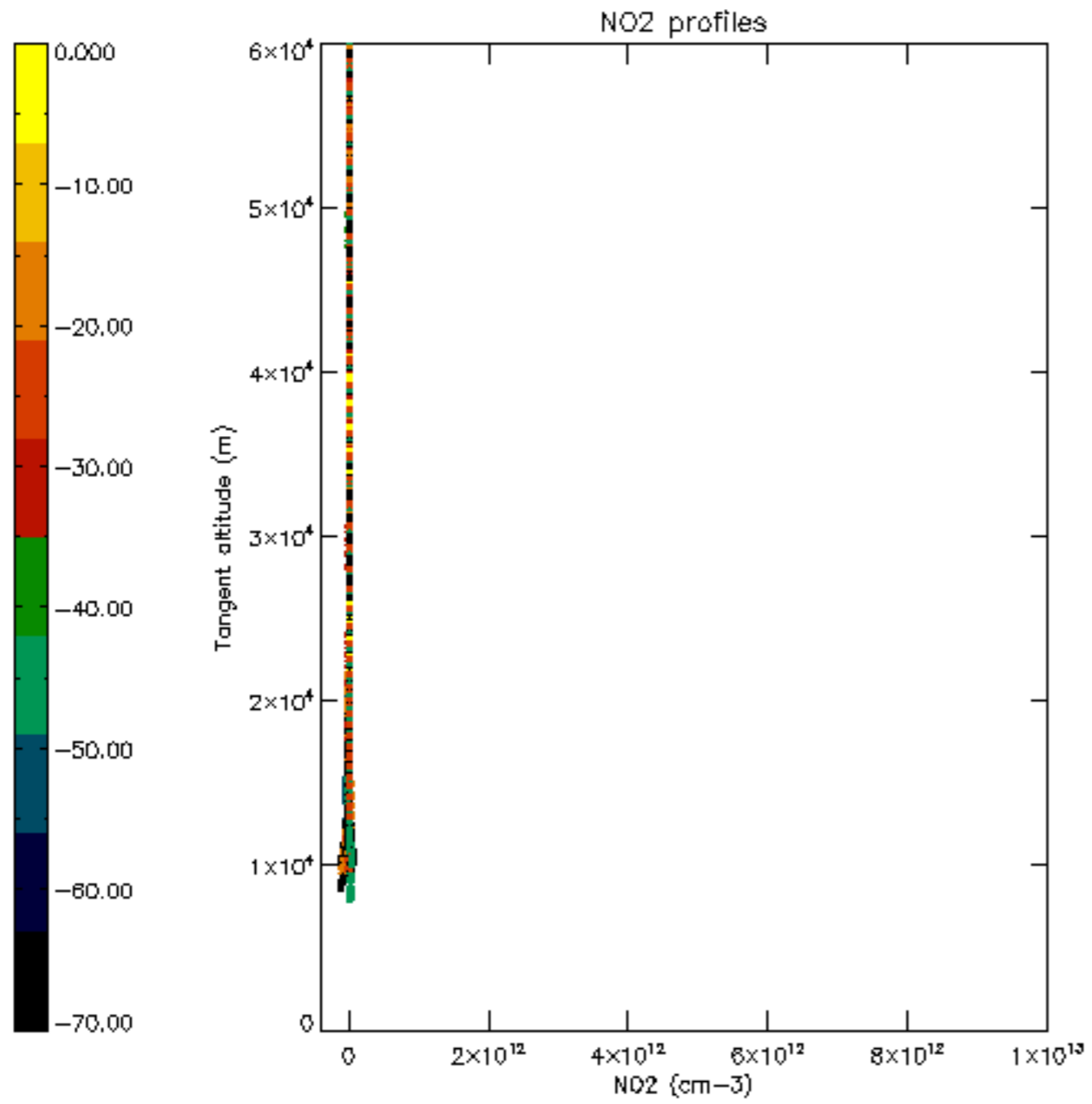


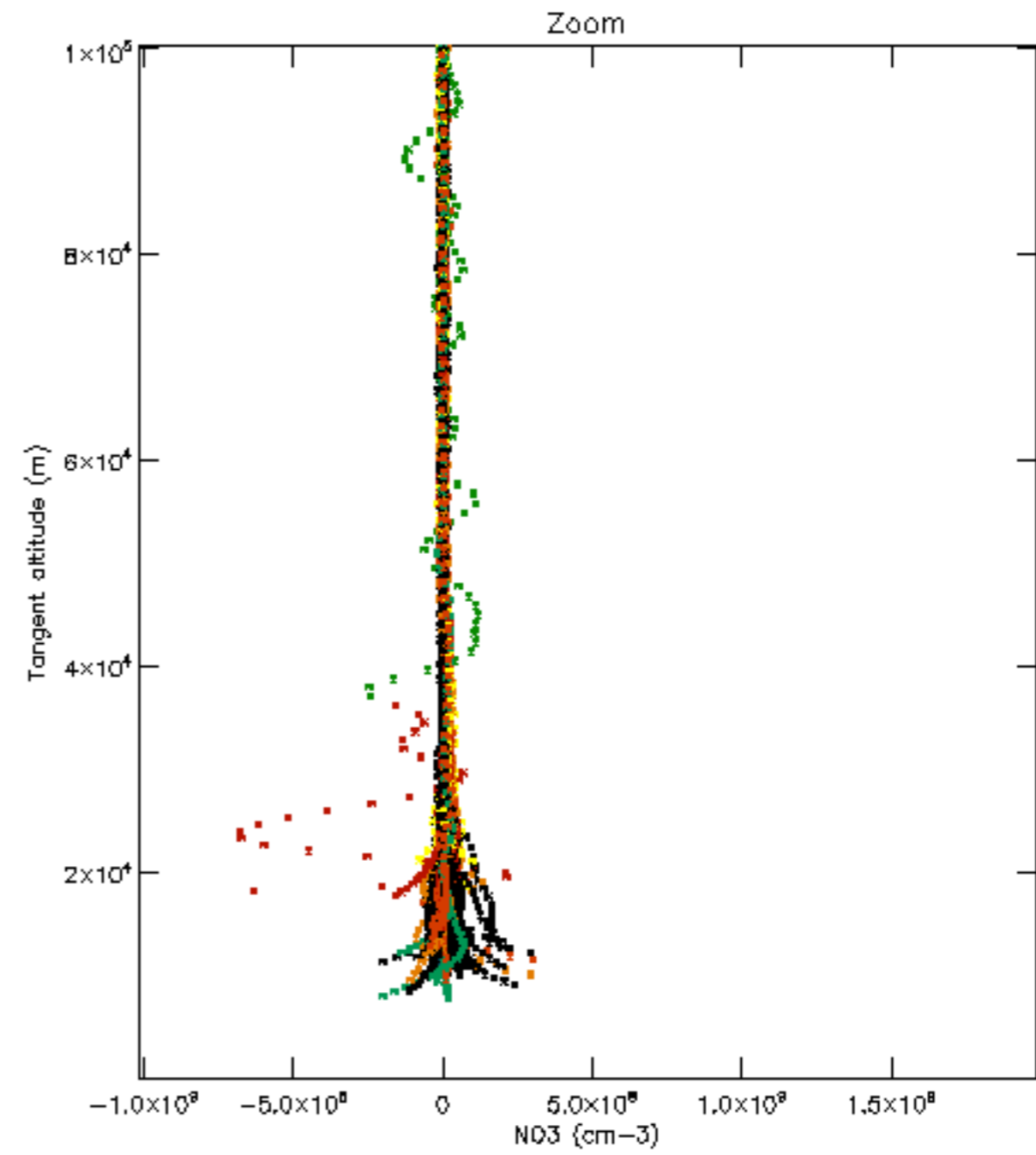
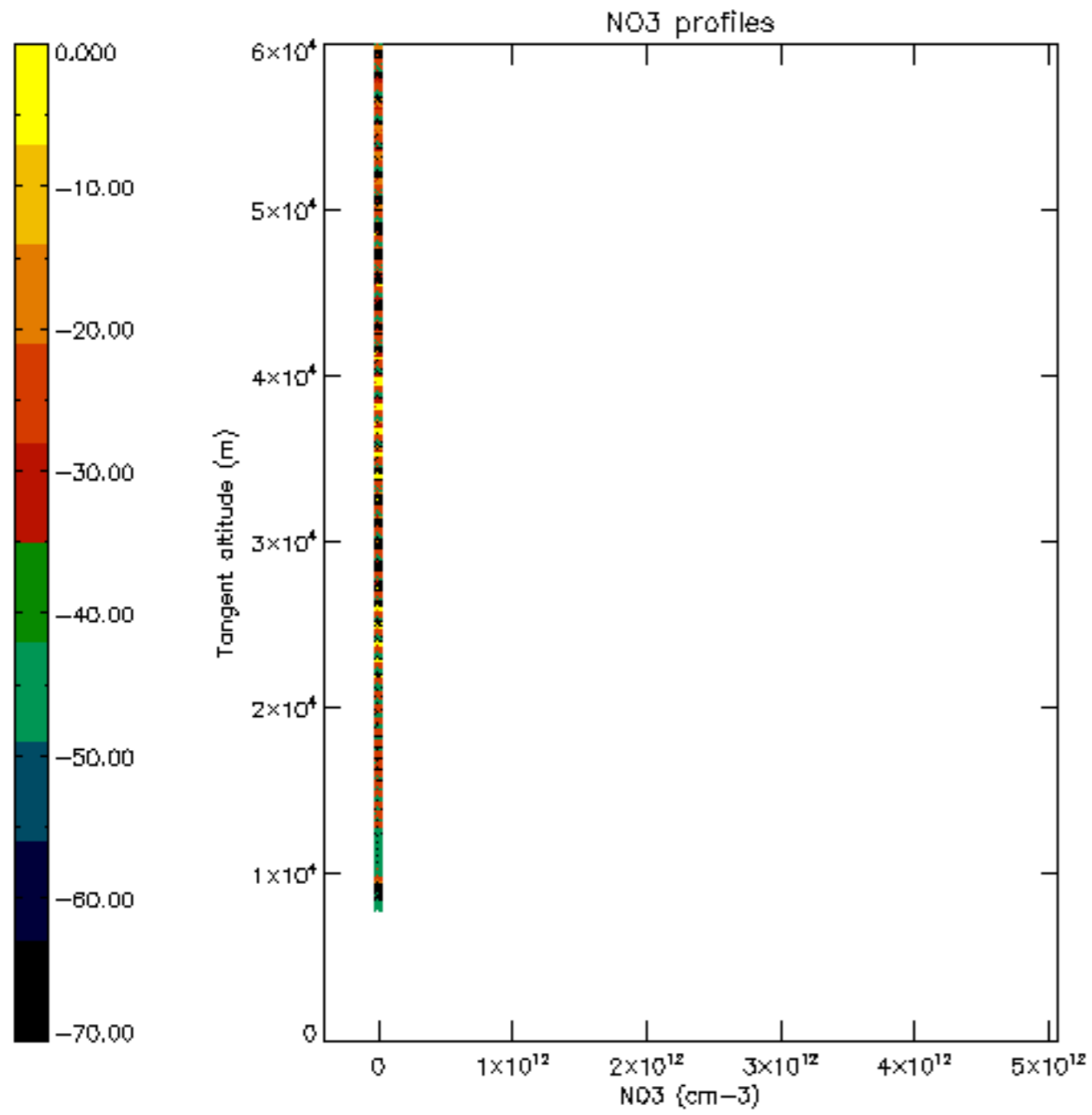


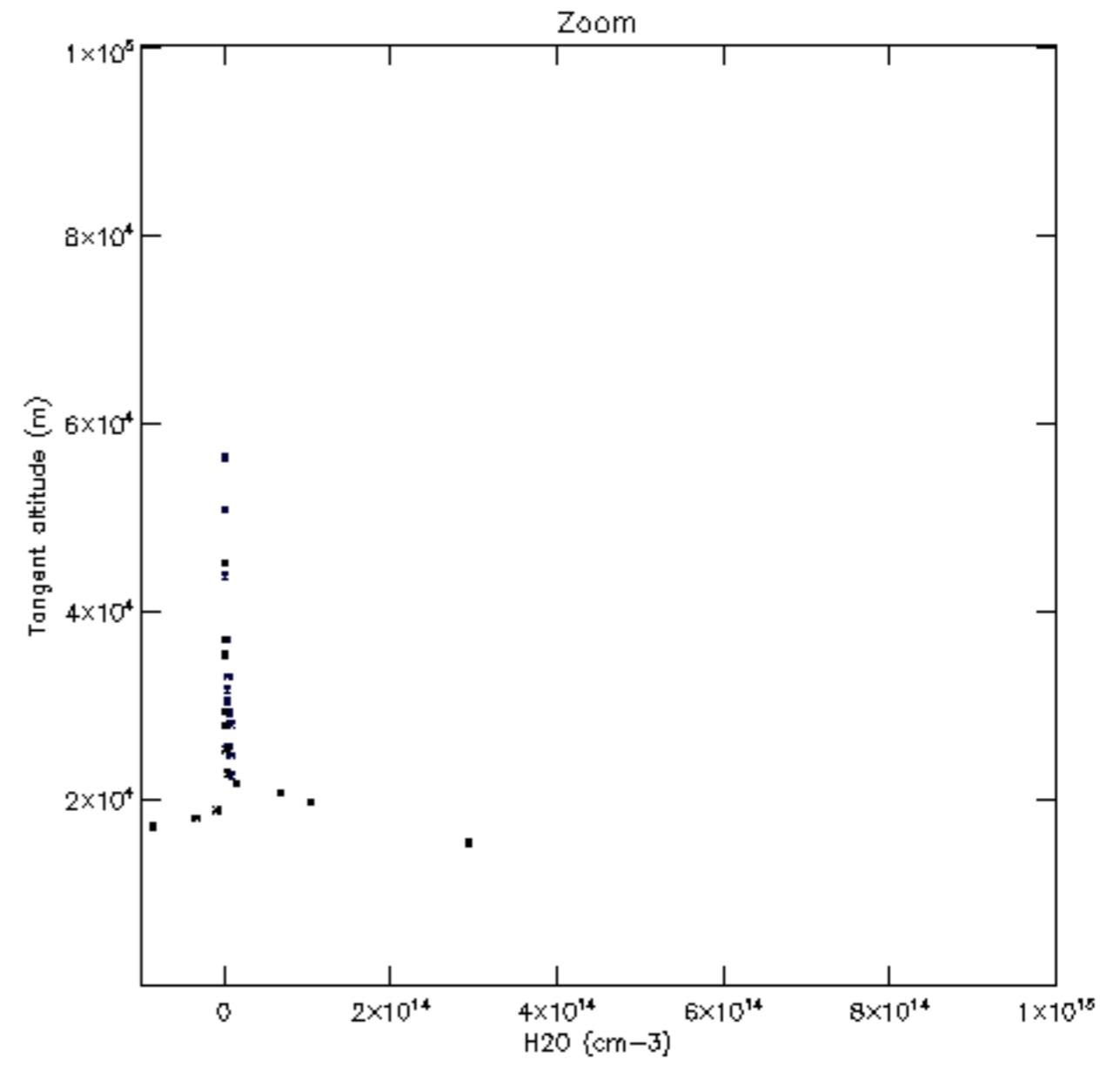
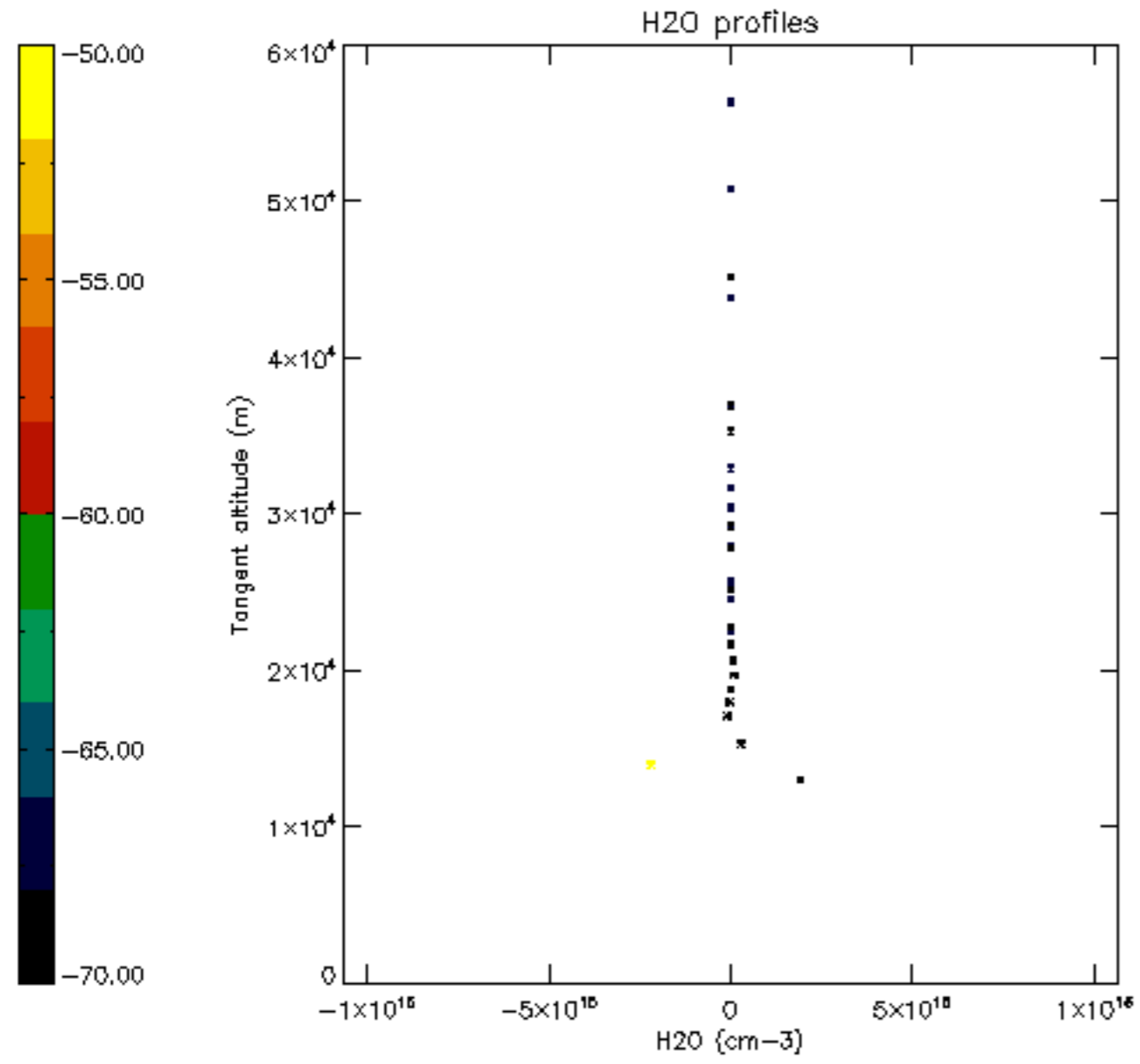


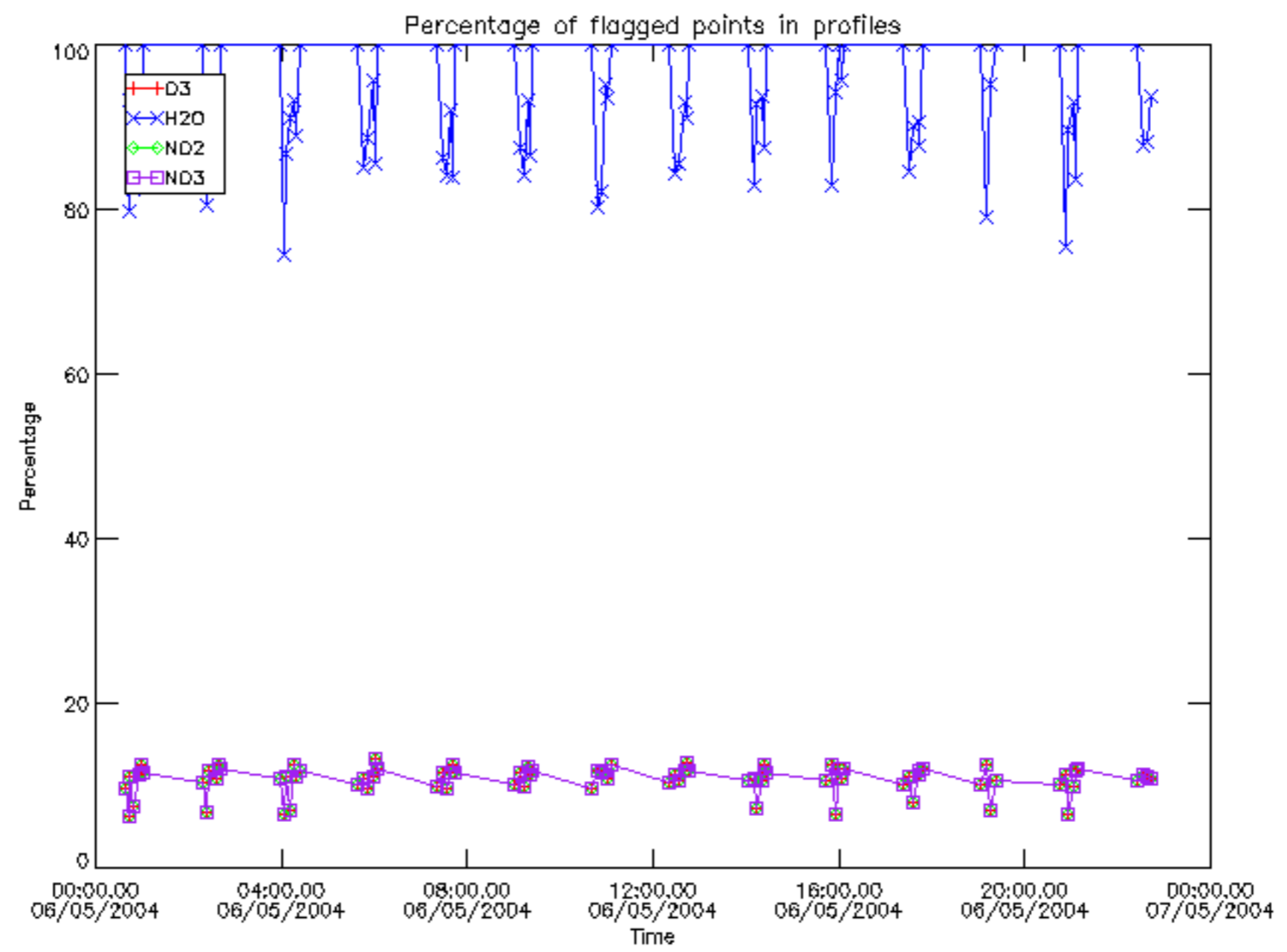




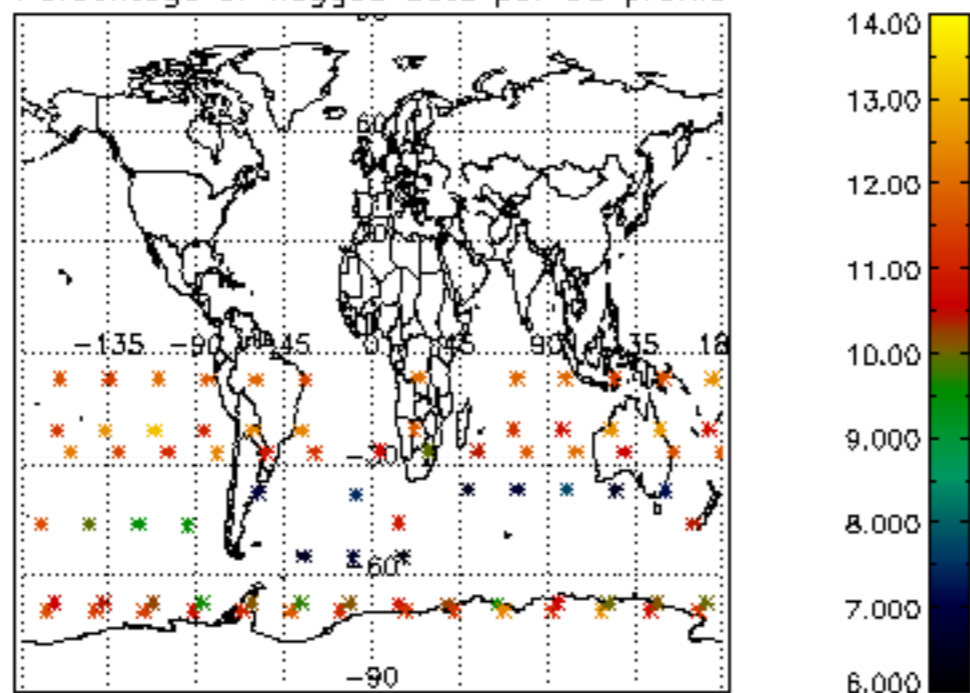




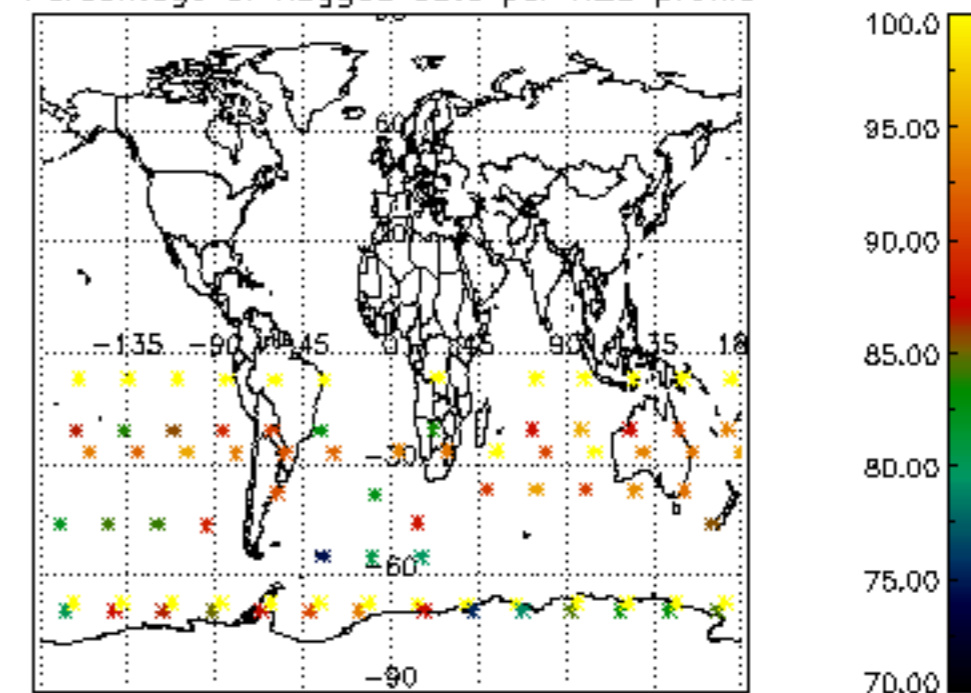




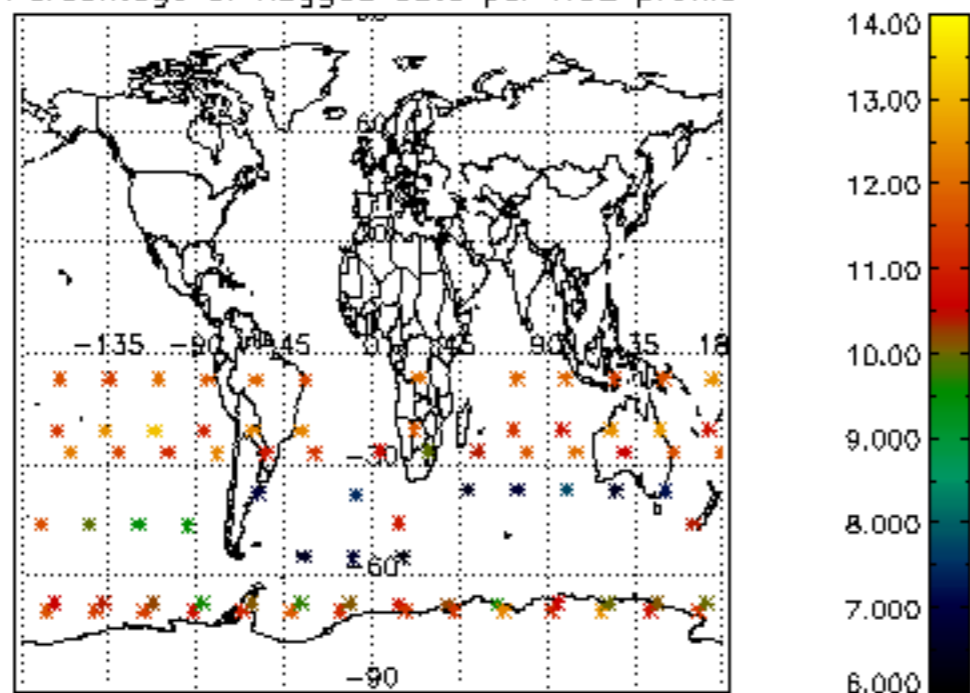
Percentage of flagged data per D3 profile



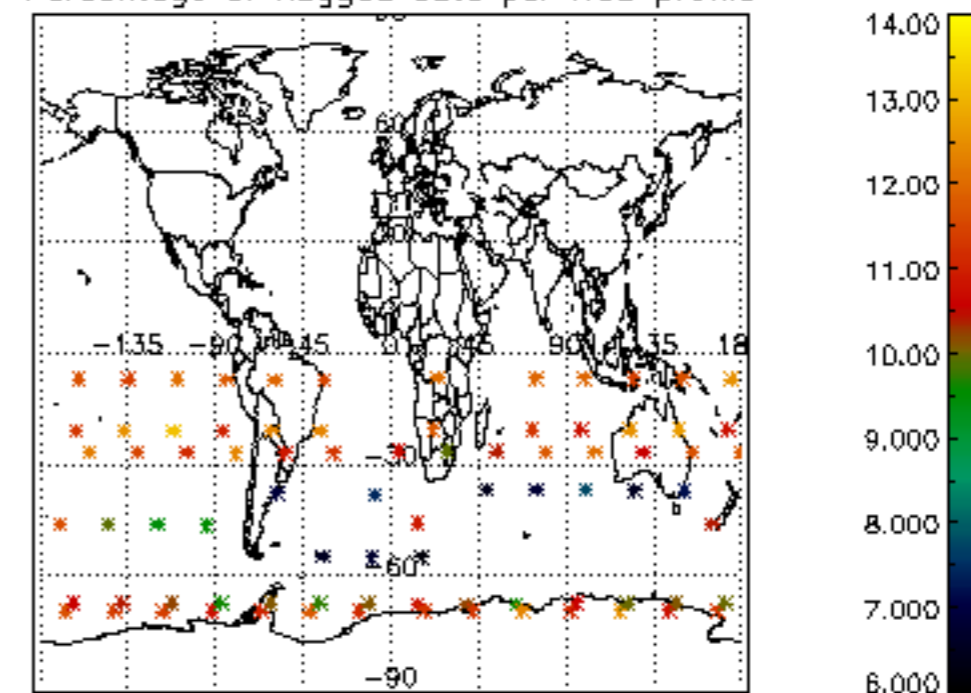
Percentage of flagged data per H2O profile

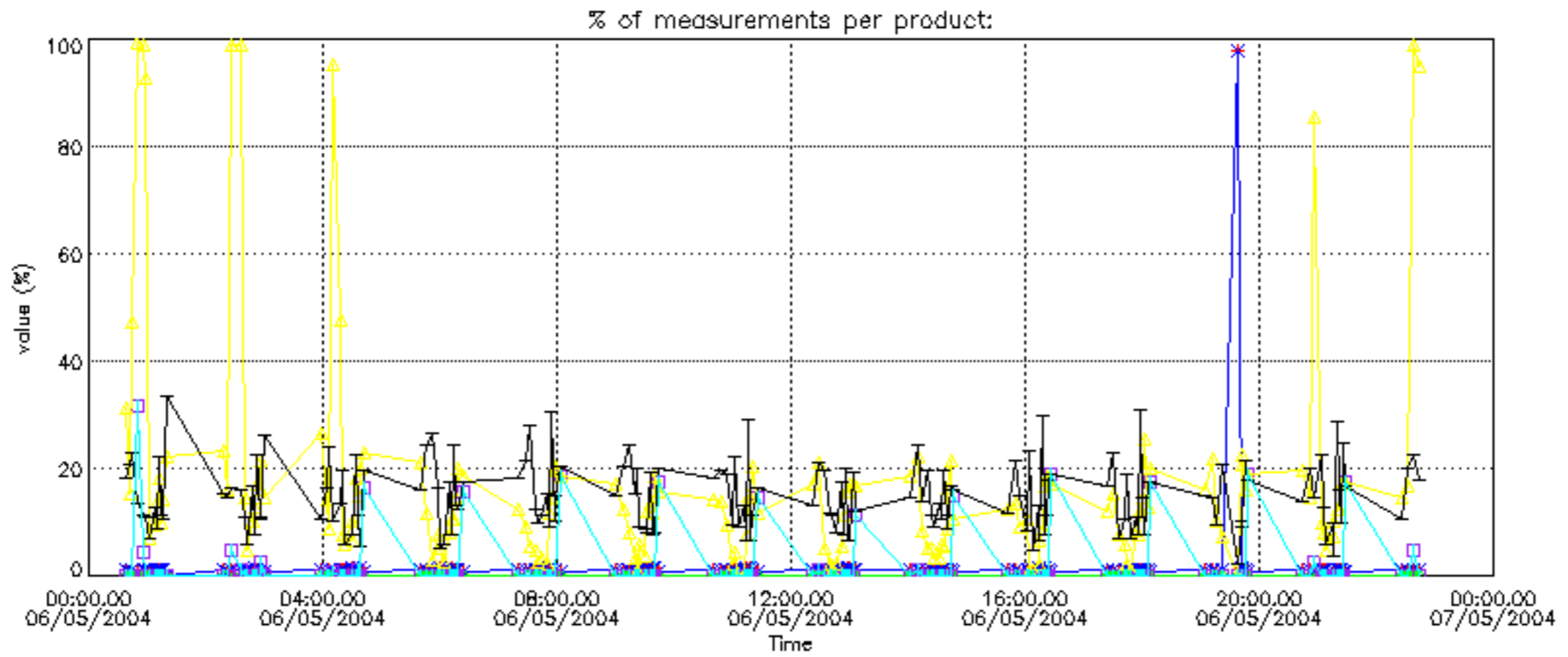


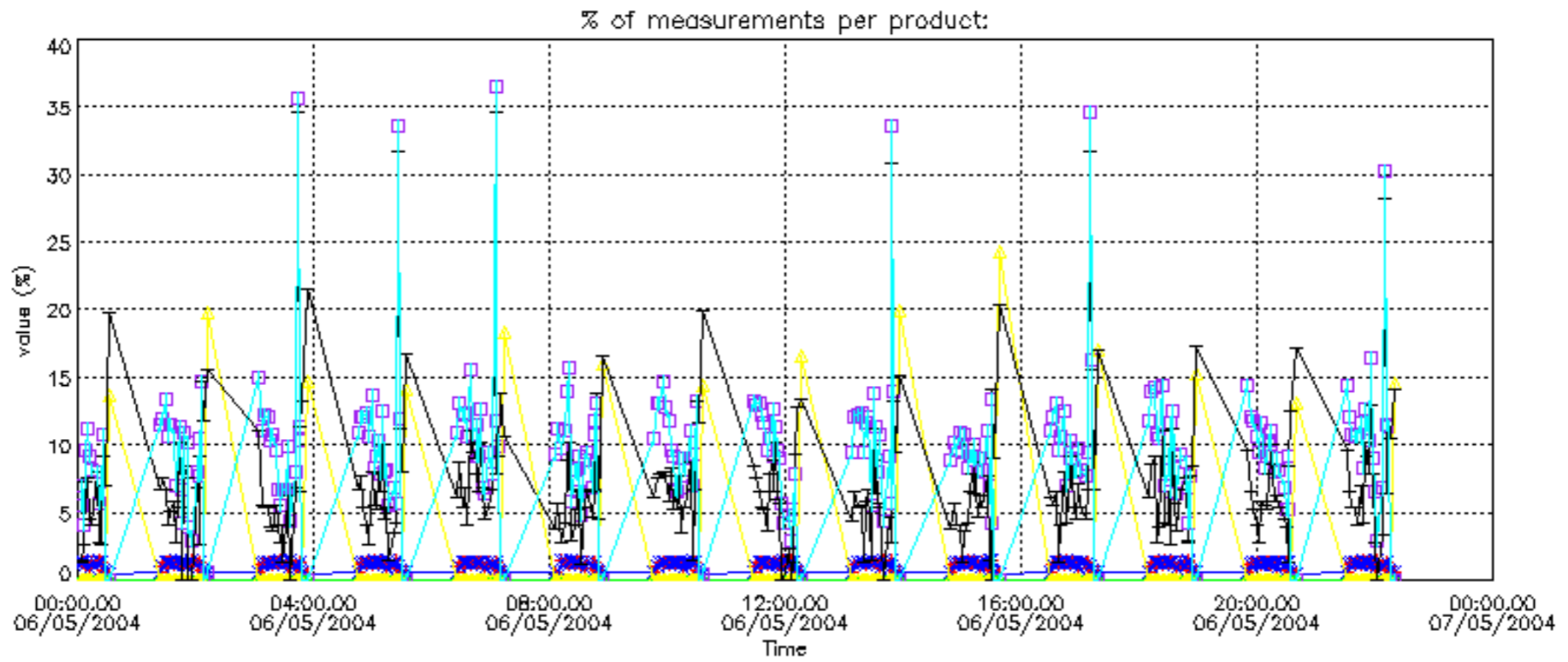
Percentage of flagged data per NO2 profile



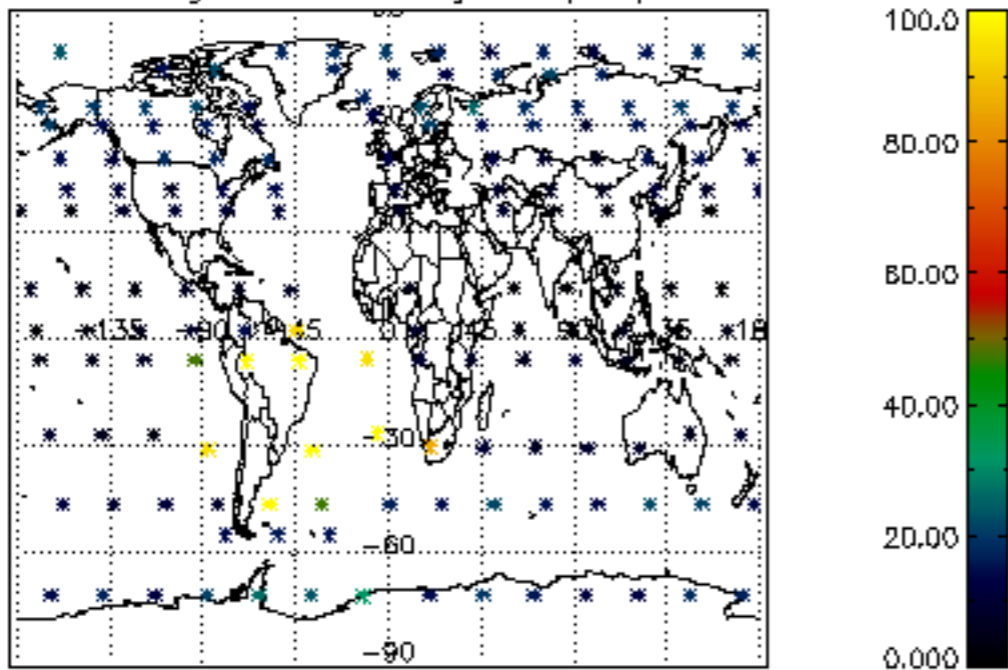
Percentage of flagged data per NO3 profile



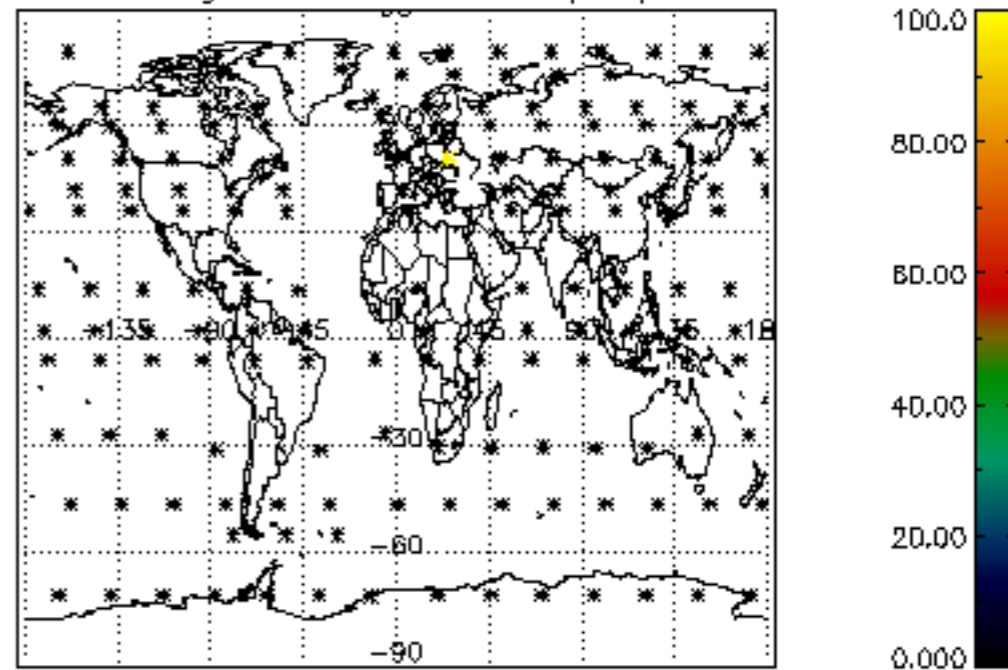




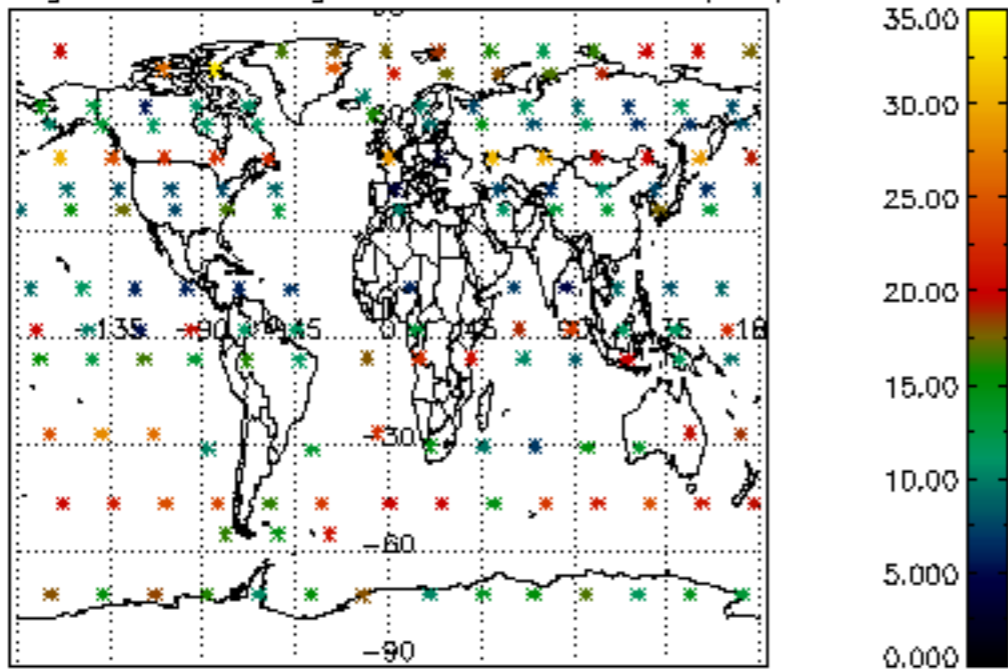
Percentage of cosmic ray hits per profile



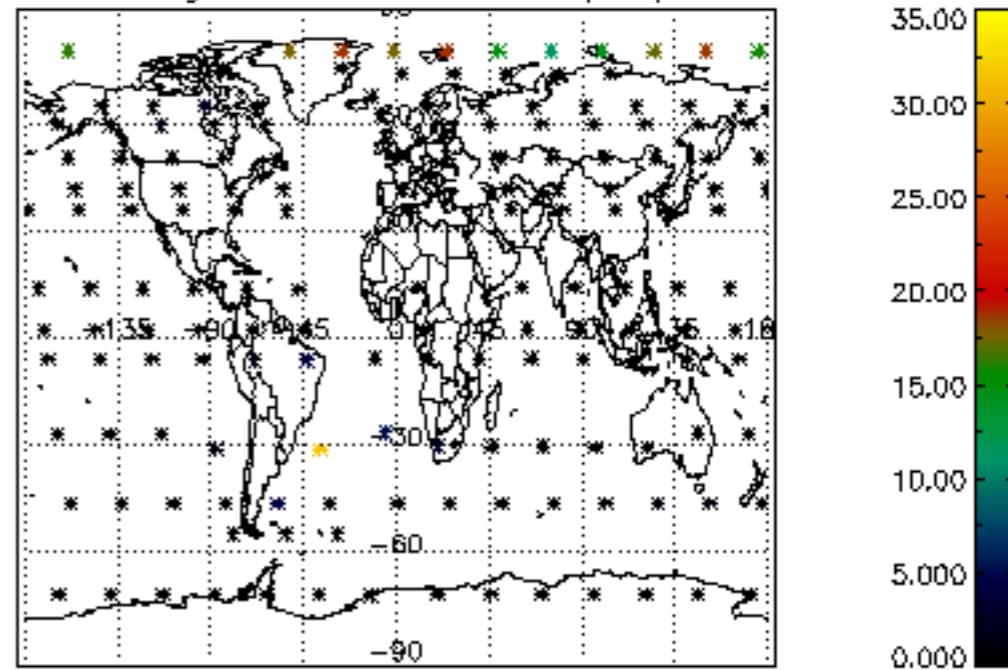
Percentage of datation errors per profile



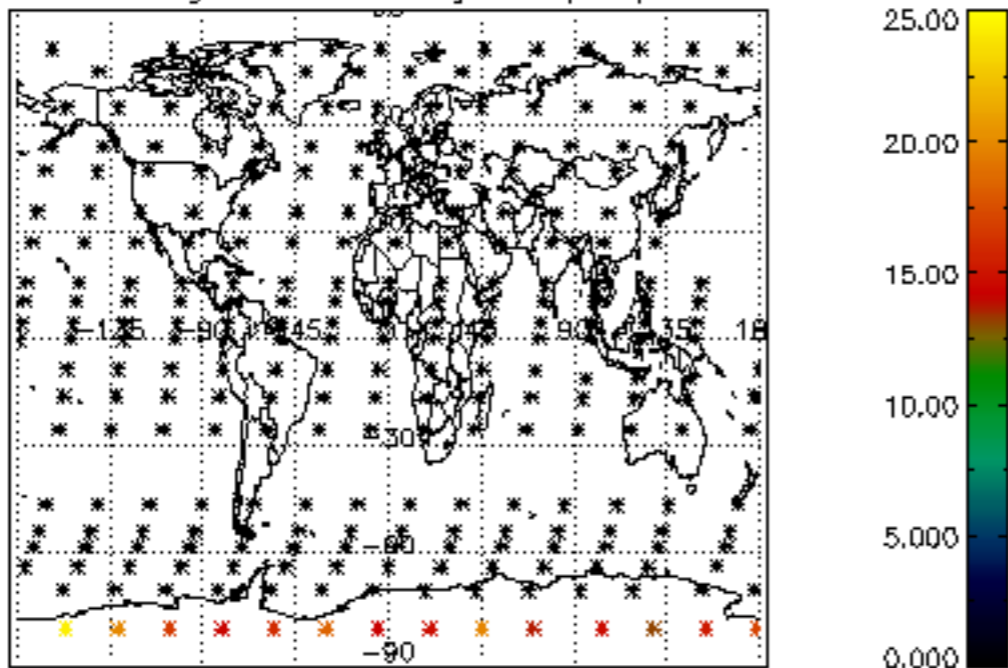
Percentage of star falling outside central band per profile



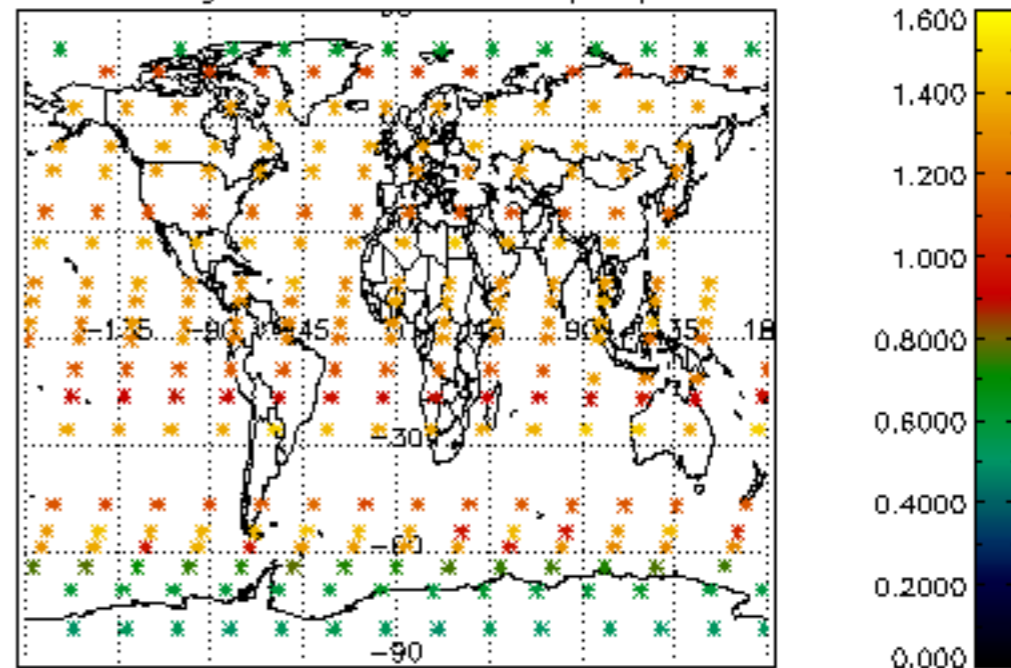
Percentage of saturation errors per profile



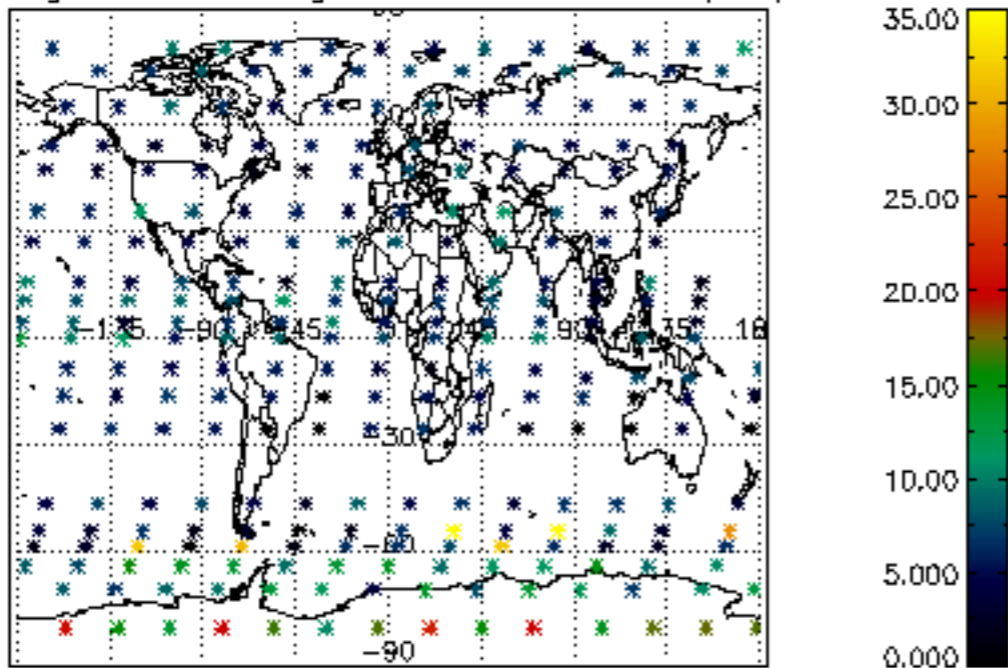
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

