

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	24APR2013 14:01:40
Data source version	GOMOS/6.01
Start time of products	25-05-2011 (25MAY2011 00:00:00)
Stop time of products	26-05-2011 (26MAY2011 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	260
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

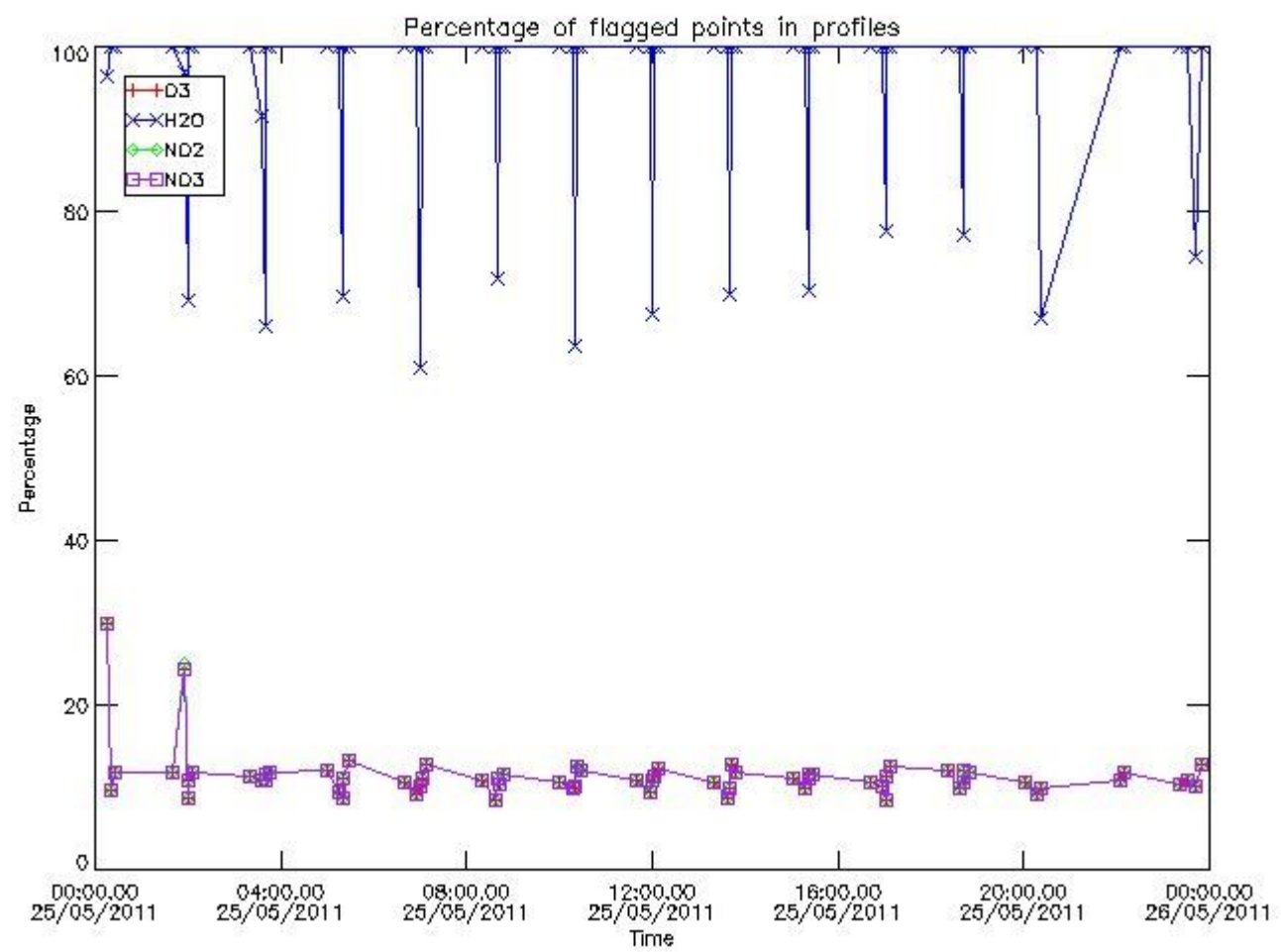
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20110525_001513_000000563102_00418_48277_3518.N1	25-MAY-2011 00:15:13	Dark	56.000	18	24Alp PsA	1.1660	9700.0	112	48277	No
2	GOM_NL__2PRFIN20110525_002046_000000543102_00419_48278_3501.N1	25-MAY-2011 00:20:46	Dark	53.500	31	Alp Gru	1.7340	15200.	107	48278	No
3	GOM_NL__2PRFIN20110525_002603_000000443102_00419_48278_3502.N1	25-MAY-2011 00:26:03	Dark	43.500	45	Alp Pav	1.9400	26000.	87	48278	No
4	GOM_NL__2PRFIN20110525_003529_000000503102_00419_48278_3503.N1	25-MAY-2011 00:35:29	Straylight	49.500	40	The Sco	1.8590	7100.0	99	48278	No
5	GOM_NL__2PRFIN20110525_003719_000000503102_00419_48278_3504.N1	25-MAY-2011 00:37:19	Straylight	50.000	25	35Lam Sco	1.6200	28000.	100	48278	No
6	GOM_NL__2PRFIN20110525_003916_000000513102_00419_48278_3505.N1	25-MAY-2011 00:39:16	Twilight	50.500	75	26Eps Sco	2.2910	4250.0	101	48278	No
7	GOM_NL__2PRFIN20110525_004204_000000593102_00419_48278_3506.N1	25-MAY-2011 00:42:04	Bright	59.000	16	21Alp Sco	1.0200	3000.0	118	48278	No
8	GOM_NL__2PRFIN20110525_004424_000000413102_00419_48278_3507.N1	25-MAY-2011 00:44:24	Bright	41.000	97	8Bet1Sco	2.5610	30000.	82	48278	No
9	GOM_NL__2PRFIN20110525_004714_000000463102_00419_48278_3508.N1	25-MAY-2011 00:47:14	Bright	46.000	98	13Zet Oph	2.5710	30000.	92	48278	No
10	GOM_NL__2PRFIN20110525_004931_000000443102_00419_48278_3509.N1	25-MAY-2011 00:49:31	Bright	43.500	120	1Del Oph	2.7340	3200.0	87	48278	No
11	GOM_NL__2PRFIN20110525_005234_000000393102_00419_48278_3510.N1	25-MAY-2011 00:52:34	Bright	39.000	102	24Alp Ser	2.6000	4250.0	78	48278	No
12	GOM_NL__2PRFIN20110525_005836_000000403102_00419_48278_3511.N1	25-MAY-2011 00:58:36	Bright	40.000	67	5Alp CrB	2.2210	11000.	80	48278	No
13	GOM_NL__2PRFIN20110525_010151_000000483102_00419_48278_3512.N1	25-MAY-2011 01:01:51	Bright	47.500	133	40Zet Her	2.8070	6000.0	95	48278	No
14	GOM_NL__2PRFIN20110525_010923_000000413102_00419_48278_3513.N1	25-MAY-2011 01:09:23	Bright	41.000	119	14Eta Dra	2.7270	4700.0	82	48278	No
15	GOM_NL__2PRFIN20110525_012005_000000473102_00419_48278_3514.N1	25-MAY-2011 01:20:05	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	48278	No
16	GOM_NL__2PRFIN20110525_012433_000000483102_00419_48278_3515.N1	25-MAY-2011 01:24:33	Bright	48.000	74	11Bet Cas	2.2680	6600.0	96	48278	No
17	GOM_NL__2PRFIN20110525_013421_000000493102_00419_48278_3516.N1	25-MAY-2011 01:34:21	Twilight	49.000	58	21Alp And	2.0730	11000.	98	48278	No
18	GOM_NL__2PRFIN20110525_013853_000000483102_00419_48278_3517.N1	25-MAY-2011 01:38:53	Dark	47.500	140	88Gam Peg	2.8340	26000.	95	48278	No
19	GOM_NL__2PRFIN20110525_015528_000000653102_00419_48278_3518.N1	25-MAY-2011 01:55:28	Dark	64.500	18	24Alp PsA	1.1660	9700.0	129	48278	No
20	GOM_NL__2PRFIN20110525_015917_000000593102_00419_48278_3519.N1	25-MAY-2011 01:59:17	Dark	59.000	63	Bet Gru	2.1500	2800.0	118	48278	No
21	GOM_NL__2PRFIN20110525_020101_000000473102_00420_48279_3501.N1	25-MAY-2011 02:01:01	Dark	47.000	31	Alp Gru	1.7340	15200.	94	48279	No
22	GOM_NL__2PRFIN20110525_020618_000000443102_00420_48279_3502.N1	25-MAY-2011 02:06:18	Dark	43.500	45	Alp Pav	1.9400	26000.	87	48279	No
23	GOM_NL__2PRFIN20110525_021543_000000473102_00420_48279_3503.N1	25-MAY-2011 02:15:43	Straylight	47.000	40	The Sco	1.8590	7100.0	94	48279	No
24	GOM_NL__2PRFIN20110525_021733_000000503102_00420_48279_3504.N1	25-MAY-2011 02:17:33	Straylight	50.000	25	35Lam Sco	1.6200	28000.	100	48279	No
25	GOM_NL__2PRFIN20110525_021931_000000493102_00420_48279_3505.N1	25-MAY-2011 02:19:31	Twilight	48.500	75	26Eps Sco	2.2910	4250.0	97	48279	No
26	GOM_NL__2PRFIN20110525_022218_000000593102_00420_48279_3506.N1	25-MAY-2011 02:22:18	Bright	59.000	16	21Alp Sco	1.0200	3000.0	118	48279	No
27	GOM_NL__2PRFIN20110525_022438_000000413102_00420_48279_3507.N1	25-MAY-2011 02:24:38	Bright	41.000	97	8Bet1Sco	2.5610	30000.	82	48279	No
28	GOM_NL__2PRFIN20110525_022728_000000463102_00420_48279_3508.N1	25-MAY-2011 02:27:28	Bright	46.000	98	13Zet Oph	2.5710	30000.	92	48279	No
29	GOM_NL__2PRFIN20110525_022945_000000433102_00420_48279_3509.N1	25-MAY-2011 02:29:45	Bright	43.000	120	1Del Oph	2.7340	3200.0	86	48279	No
30	GOM_NL__2PRFIN20110525_023247_000000403102_00420_48279_3510.N1	25-MAY-2011 02:32:47	Bright	39.500	102	24Alp Ser	2.6000	4250.0	79	48279	No
31	GOM_NL__2PRFIN20110525_023850_000000413102_00420_48279_3511.N1	25-MAY-2011 02:38:50	Bright	40.500	67	5Alp CrB	2.2210	11000.	81	48279	No
32	GOM_NL__2PRFIN20110525_024205_000000483102_00420_48279_3512.N1	25-MAY-2011 02:42:05	Bright	48.000	133	40Zet Her	2.8070	6000.0	96	48279	No
33	GOM_NL__2PRFIN20110525_024936_000000403102_00420_48279_3513.N1	25-MAY-2011 02:49:36	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	48279	No
34	GOM_NL__2PRFIN20110525_030019_000000483102_00420_48279_3514.N1	25-MAY-2011 03:00:19	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	48279	No
35	GOM_NL__2PRFIN20110525_030447_000000383102_00420_48279_3515.N1	25-MAY-2011 03:04:47	Bright	37.500	74	11Bet Cas	2.2680	6600.0	75	48279	No
36	GOM_NL__2PRFIN20110525_031435_000000503102_00420_48279_3516.N1	25-MAY-2011 03:14:35	Twilight	50.000	58	21Alp And	2.0730	11000.	100	48279	No
37	GOM_NL__2PRFIN20110525_031907_000000493102_00420_48279_3517.N1	25-MAY-2011 03:19:07	Dark	49.000	140	88Gam Peg	2.8340	26000.	98	48279	No
38	GOM_NL__2PRFIN20110525_033543_000000483102_00420_48279_3518.N1	25-MAY-2011 03:35:43	Dark	47.500	18	24Alp PsA	1.1660	9700.0	95	48279	No
39	GOM_NL__2PRFIN20110525_033932_000000483102_00420_48279_3519.N1	25-MAY-2011 03:39:32	Dark	47.500	63	Bet Gru	2.1500	2800.0	95	48279	No
40	GOM_NL__2PRFIN20110525_034116_000000453102_00421_48280_3534.N1	25-MAY-2011 03:41:16	Dark	44.500	31	Alp Gru	1.7340	15200.	89	48280	No
41	GOM_NL__2PRFIN20110525_034633_000000433102_00421_48280_3535.N1	25-MAY-2011 03:46:33	Dark	43.000	45	Alp Pav	1.9400	26000.	86	48280	No
42	GOM_NL__2PRFIN20110525_035558_000000513102_00421_48280_3536.N1	25-MAY-2011 03:55:58	Straylight	51.000	40	The Sco	1.8590	7100.0	102	48280	No

220	GOM_NL__2PRFIN20110525_185958_000000483102_00430_48289_4099.N1	25-MAY-2011 18:59:58	Straylight	47.500	25	35Lam Sco	1.6200	28000.	95	48289	No
221	GOM_NL__2PRFIN20110525_190154_000000493102_00430_48289_4100.N1	25-MAY-2011 19:01:54	Twilight_stray	48.500	75	26Eps Sco	2.2910	4250.0	97	48289	No
222	GOM_NL__2PRFIN20110525_190441_000000593102_00430_48289_4101.N1	25-MAY-2011 19:04:41	Bright	59.000	16	21Alp Sco	1.0200	3000.0	118	48289	No
223	GOM_NL__2PRFIN20110525_190751_000000503102_00430_48289_4102.N1	25-MAY-2011 19:07:51	Bright	49.500	86	35Eta Oph	2.4300	10200.	99	48289	No
224	GOM_NL__2PRFIN20110525_190948_000000443102_00430_48289_4103.N1	25-MAY-2011 19:09:48	Bright	43.500	98	13Zet Oph	2.5710	30000.	87	48289	No
225	GOM_NL__2PRFIN20110525_191204_000000433102_00430_48289_4104.N1	25-MAY-2011 19:12:04	Bright	42.500	120	1Del Oph	2.7340	3200.0	85	48289	No
226	GOM_NL__2PRFIN20110525_191506_000000393102_00430_48289_4105.N1	25-MAY-2011 19:15:06	Bright	39.000	102	24Alp Ser	2.6000	4250.0	78	48289	No
227	GOM_NL__2PRFIN20110525_192108_000000403102_00430_48289_4106.N1	25-MAY-2011 19:21:08	Bright	39.500	67	5Alp CrB	2.2210	11000.	79	48289	No
228	GOM_NL__2PRFIN20110525_192418_000000473102_00430_48289_4107.N1	25-MAY-2011 19:24:18	Bright	47.000	133	40Zet Her	2.8070	6000.0	94	48289	No
229	GOM_NL__2PRFIN20110525_193153_000000413102_00430_48289_4108.N1	25-MAY-2011 19:31:53	Bright	40.500	119	14Eta Dra	2.7270	4700.0	81	48289	No
230	GOM_NL__2PRFIN20110525_194233_000000463102_00430_48289_4109.N1	25-MAY-2011 19:42:33	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	48289	No
231	GOM_NL__2PRFIN20110525_194706_000000583102_00430_48289_4110.N1	25-MAY-2011 19:47:06	Bright	58.000	74	11Bet Cas	2.2680	6600.0	116	48289	No
232	GOM_NL__2PRFIN20110525_195657_000000493102_00430_48289_4111.N1	25-MAY-2011 19:56:57	Twilight_stray	48.500	58	21Alp And	2.0730	11000.	97	48289	No
233	GOM_NL__2PRFIN20110525_200132_000000483102_00430_48289_4112.N1	25-MAY-2011 20:01:32	Dark	48.000	140	88Gam Peg	2.8340	26000.	96	48289	No
234	GOM_NL__2PRFIN20110525_201814_000000563102_00430_48289_4113.N1	25-MAY-2011 20:18:14	Dark	56.000	18	24Alp PsA	1.1660	9700.0	112	48289	No
235	GOM_NL__2PRFIN20110525_202200_000000523102_00430_48289_4144.N1	25-MAY-2011 20:22:00	Dark	51.500	63	Bet Gru	2.1500	2800.0	103	48289	No
236	GOM_NL__2PRFIN20110525_220400_000000483103_00001_48291_4157.N1	25-MAY-2011 22:04:00	Dark	47.500	31	Alp Gru	1.7340	15200.	95	48291	No
237	GOM_NL__2PRFIN20110525_220914_000000443103_00001_48291_4158.N1	25-MAY-2011 22:09:14	Dark	43.500	45	Alp Pav	1.9400	26000.	87	48291	No
238	GOM_NL__2PRFIN20110525_221548_000000453103_00001_48291_4159.N1	25-MAY-2011 22:15:48	Straylight	45.000	141	Bet Ara	2.8400	4600.0	90	48291	No
239	GOM_NL__2PRFIN20110525_221838_000000493103_00001_48291_4160.N1	25-MAY-2011 22:18:38	Straylight	49.000	40	The Sco	1.8590	7100.0	98	48291	No
240	GOM_NL__2PRFIN20110525_222027_000000513103_00001_48291_4161.N1	25-MAY-2011 22:20:27	Straylight	50.500	25	35Lam Sco	1.6200	28000.	101	48291	No
241	GOM_NL__2PRFIN20110525_222223_000000513103_00001_48291_4162.N1	25-MAY-2011 22:22:23	Twilight_stray	50.500	75	26Eps Sco	2.2910	4250.0	101	48291	No
242	GOM_NL__2PRFIN20110525_222509_000000593103_00001_48291_4163.N1	25-MAY-2011 22:25:09	Bright	59.000	16	21Alp Sco	1.0200	3000.0	118	48291	No
243	GOM_NL__2PRFIN20110525_222641_000000433103_00001_48291_4164.N1	25-MAY-2011 22:26:41	Bright	43.000	80	7Del Sco	2.3160	30000.	86	48291	No
244	GOM_NL__2PRFIN20110525_222819_000000513103_00001_48291_4165.N1	25-MAY-2011 22:28:19	Bright	50.500	86	35Eta Oph	2.4300	10200.	101	48291	No
245	GOM_NL__2PRFIN20110525_223054_000000373103_00001_48291_4166.N1	25-MAY-2011 22:30:54	Bright	36.500	104	27Bet Lib	2.6140	13100.	73	48291	No
246	GOM_NL__2PRFIN20110525_223232_000000423103_00001_48291_4167.N1	25-MAY-2011 22:32:32	Bright	42.000	120	1Del Oph	2.7340	3200.0	84	48291	No
247	GOM_NL__2PRFIN20110525_223534_000000393103_00001_48291_4168.N1	25-MAY-2011 22:35:34	Bright	38.500	102	24Alp Ser	2.6000	4250.0	77	48291	No
248	GOM_NL__2PRFIN20110525_224135_000000413103_00001_48291_4169.N1	25-MAY-2011 22:41:35	Bright	41.000	67	5Alp CrB	2.2210	11000.	82	48291	No
249	GOM_NL__2PRFIN20110525_224445_000000473103_00001_48291_4170.N1	25-MAY-2011 22:44:45	Bright	47.000	133	40Zet Her	2.8070	6000.0	94	48291	No
250	GOM_NL__2PRFIN20110525_225221_000000383103_00001_48291_4171.N1	25-MAY-2011 22:52:21	Bright	37.500	119	14Eta Dra	2.7270	4700.0	75	48291	No
251	GOM_NL__2PRFIN20110525_225440_000000353103_00001_48291_4172.N1	25-MAY-2011 22:54:40	Bright	35.000	60	7Bet UMi	2.0810	3950.0	70	48291	No
252	GOM_NL__2PRFIN20110525_230300_000000463103_00001_48291_4173.N1	25-MAY-2011 23:03:00	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	48291	No
253	GOM_NL__2PRFIN20110525_230722_000000513103_00001_48291_4174.N1	25-MAY-2011 23:07:22	Bright	50.500	76	27Gam Cas	2.3000	30000.	101	48291	No
254	GOM_NL__2PRFIN20110525_231452_000000483103_00001_48291_4175.N1	25-MAY-2011 23:14:52	Bright	48.000	53	43Bet And	2.0480	3300.0	96	48291	No
255	GOM_NL__2PRFIN20110525_231725_000000513103_00001_48291_4176.N1	25-MAY-2011 23:17:25	Twilight_stray	50.500	58	21Alp And	2.0730	11000.	101	48291	No
256	GOM_NL__2PRFIN20110525_232200_000000493103_00001_48291_4177.N1	25-MAY-2011 23:22:00	Dark	49.000	140	88Gam Peg	2.8340	26000.	98	48291	No
257	GOM_NL__2PRFIN20110525_233052_000000483103_00001_48291_4178.N1	25-MAY-2011 23:30:52	Dark	47.500	52	16Bet Cet	2.0370	4500.0	95	48291	No
258	GOM_NL__2PRFIN20110525_234230_000000613103_00002_48292_4170.N1	25-MAY-2011 23:42:30	Dark	61.000	63	Bet Gru	2.1500	2800.0	122	48292	No
259	GOM_NL__2PRFIN20110525_234929_000000443103_00002_48292_4171.N1	25-MAY-2011 23:49:29	Dark	44.000	45	Alp Pav	1.9400	26000.	88	48292	No
260	GOM_NL__2PRFIN20110525_235852_000000483103_00002_48292_4172.N1	25-MAY-2011 23:58:52	Straylight	48.000	40	The Sco	1.8590	7100.0	96	48292	No

3. Quality information per product

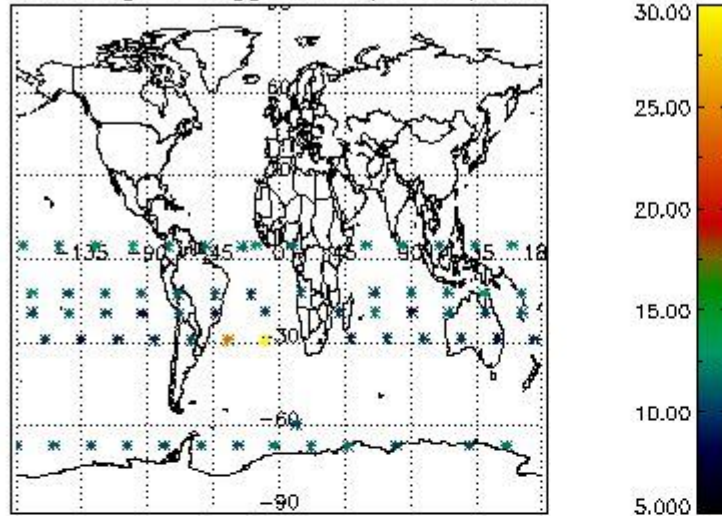
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

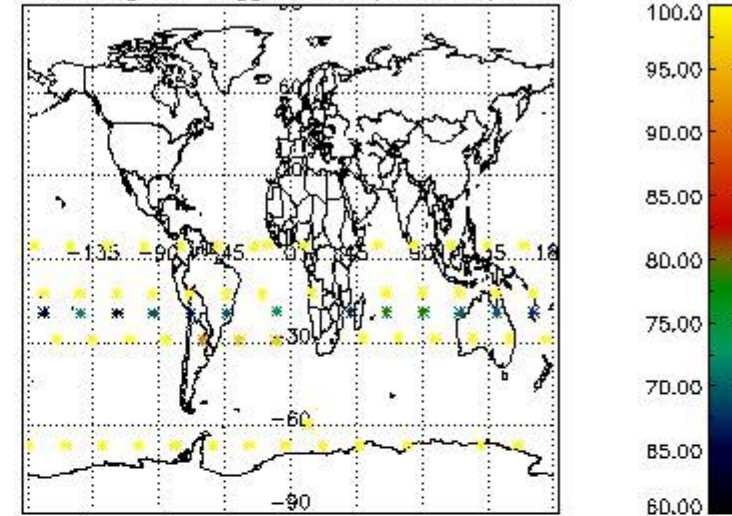


3.2 Plot quality information per product (world map)

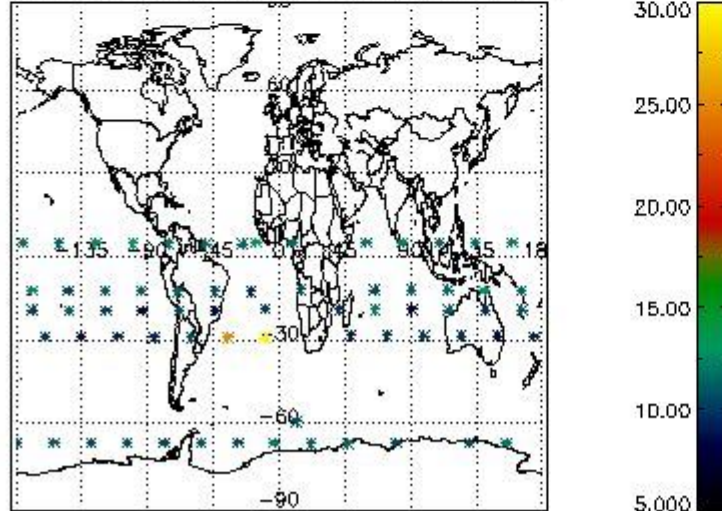
Percentage of flagged data per O3 profile



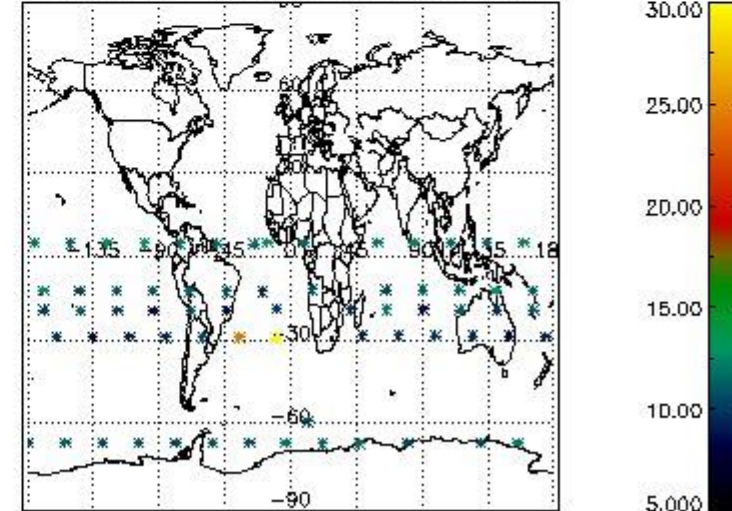
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

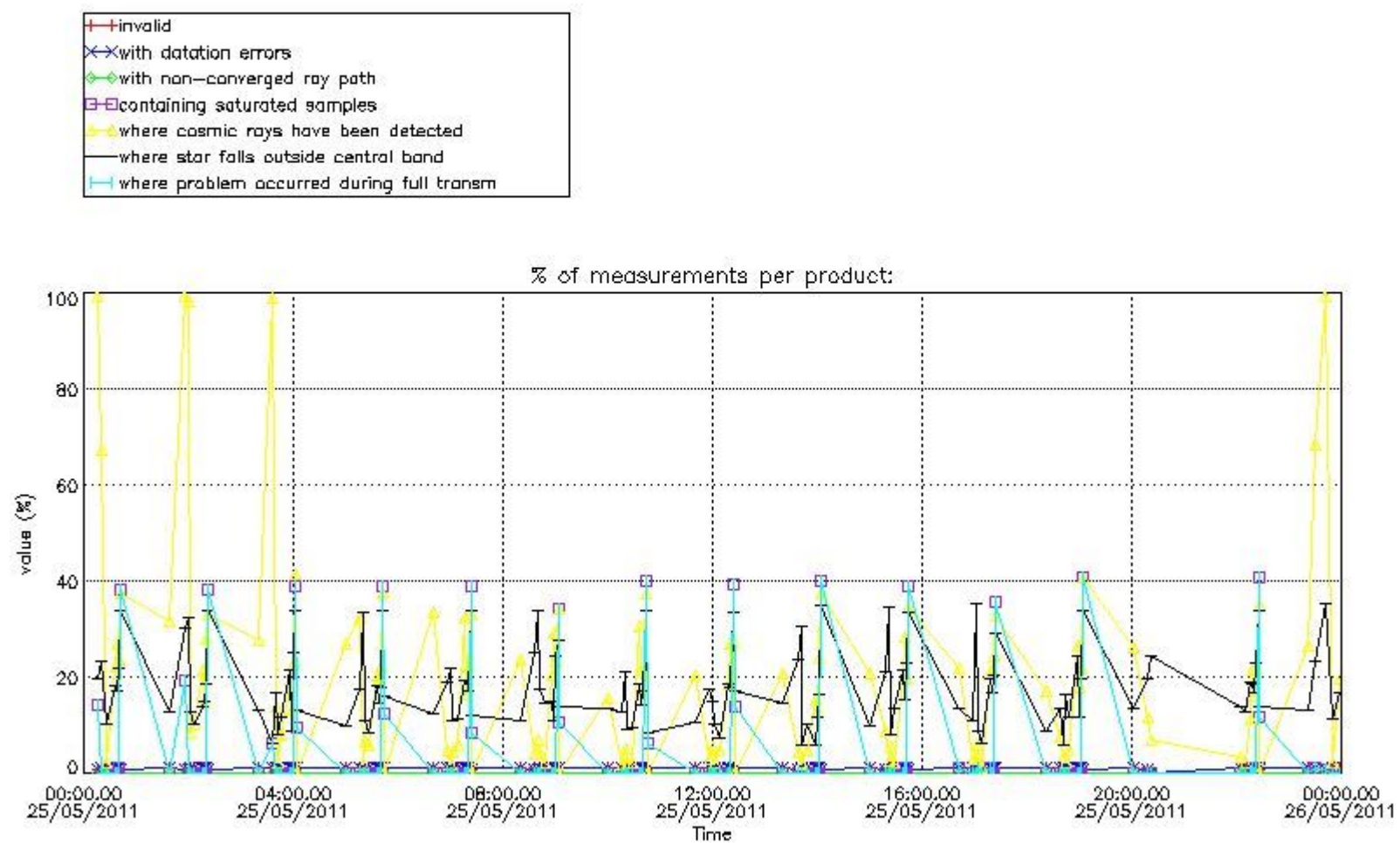


4. Level 1 quality information per product

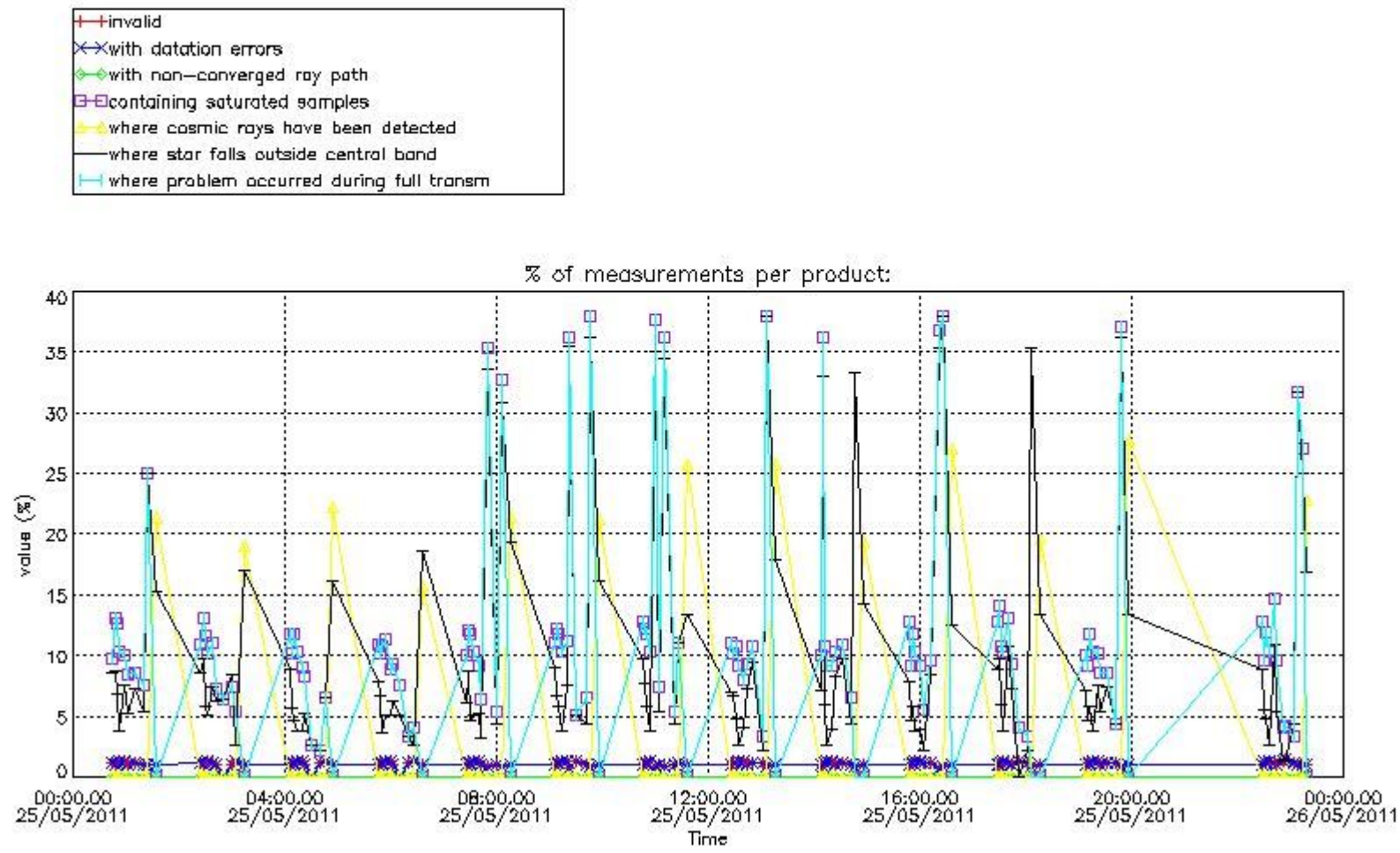
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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

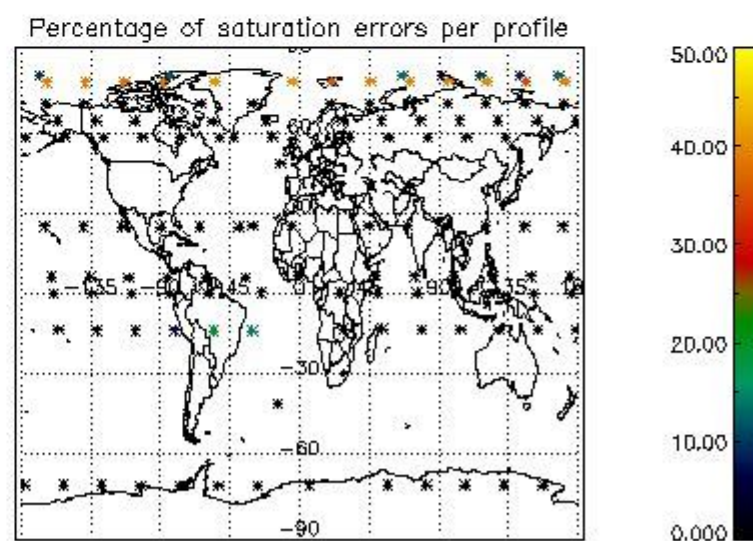
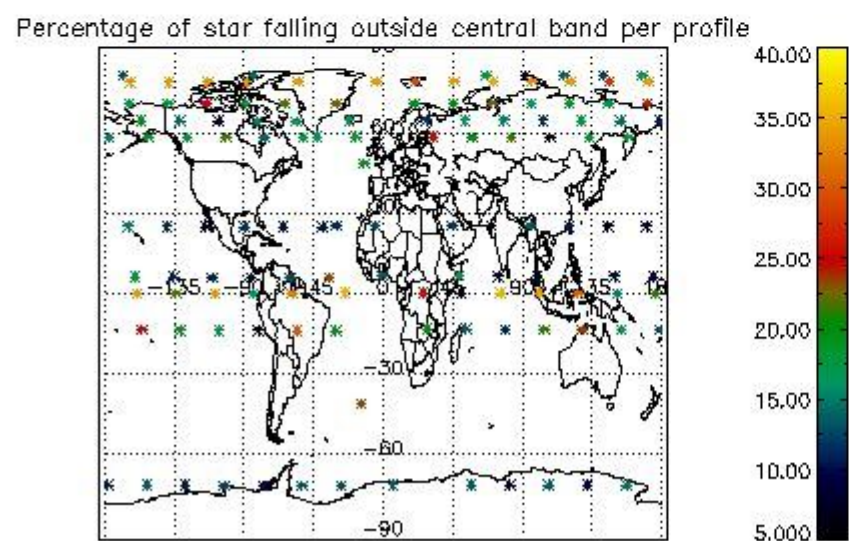
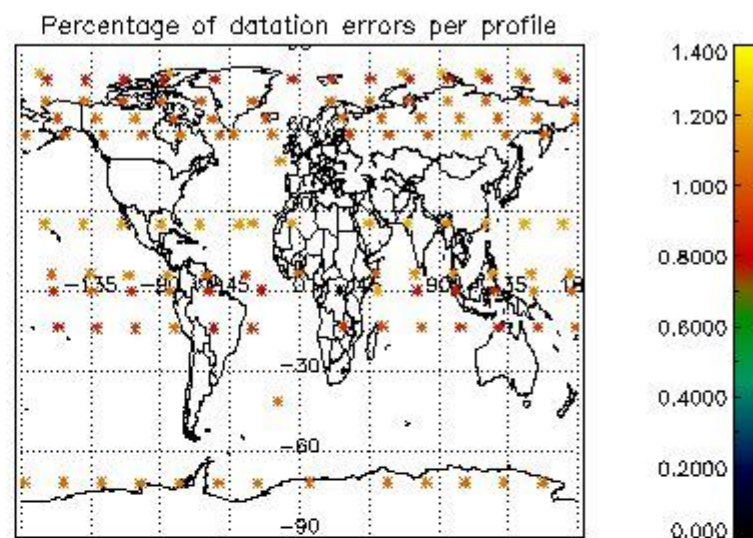
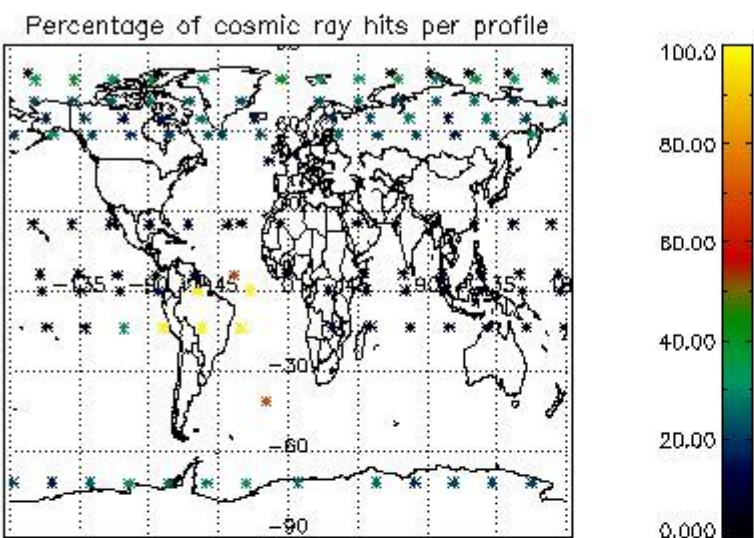


4.1.2 Plot level 1 quality information per product (time dependant): ENVISAT DESCENDING passes

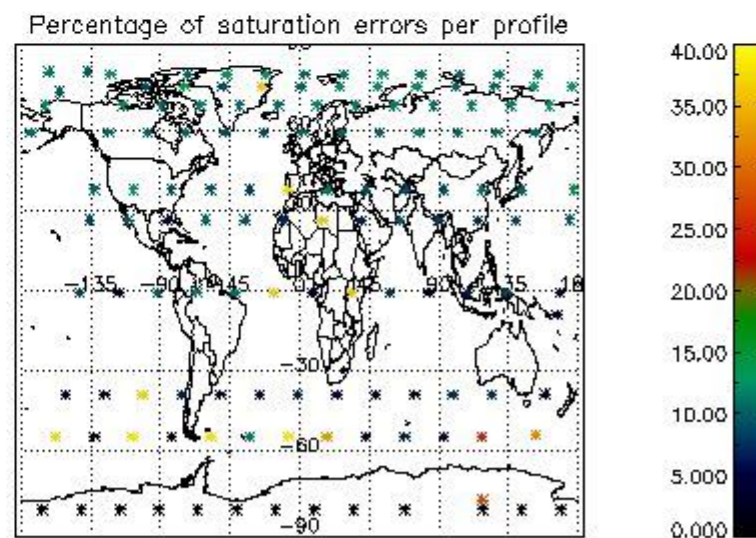
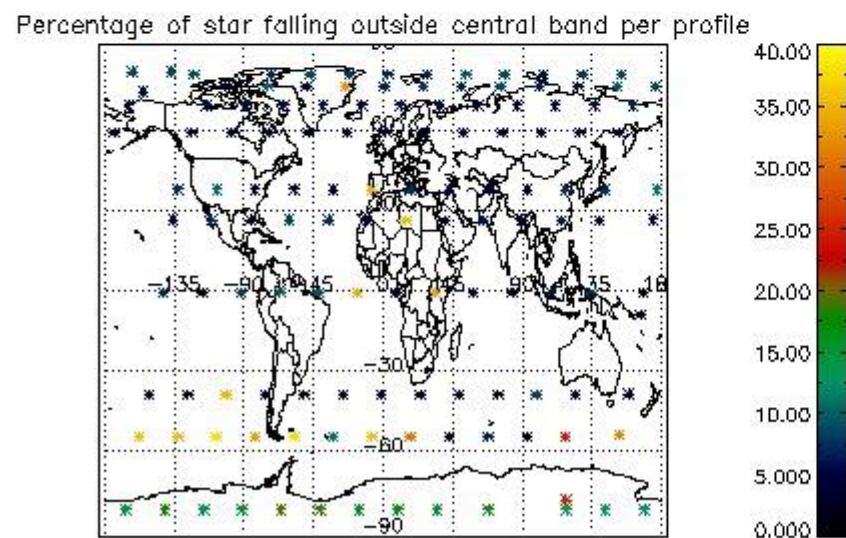
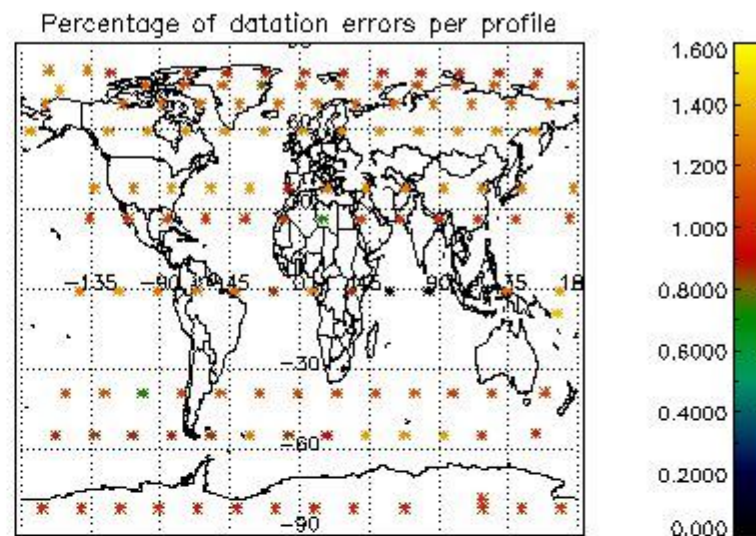
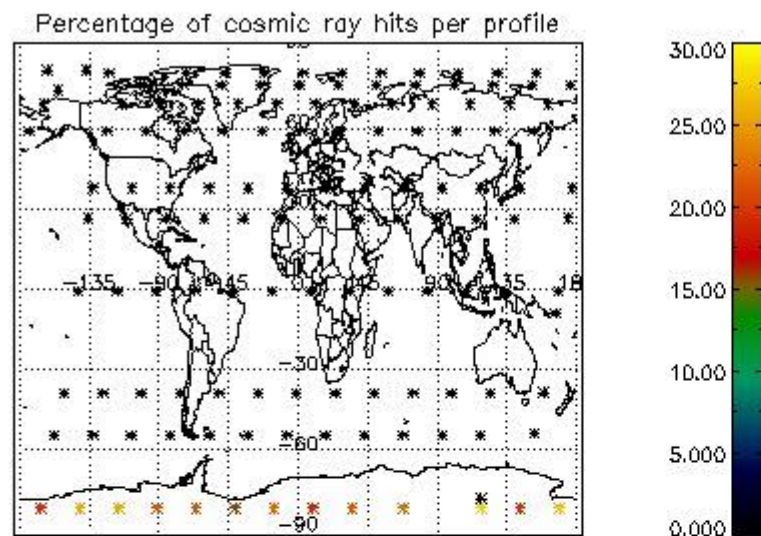


4.2 Plot quality information per product coming from level 1b processing (world map)

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



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



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

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

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

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

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

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

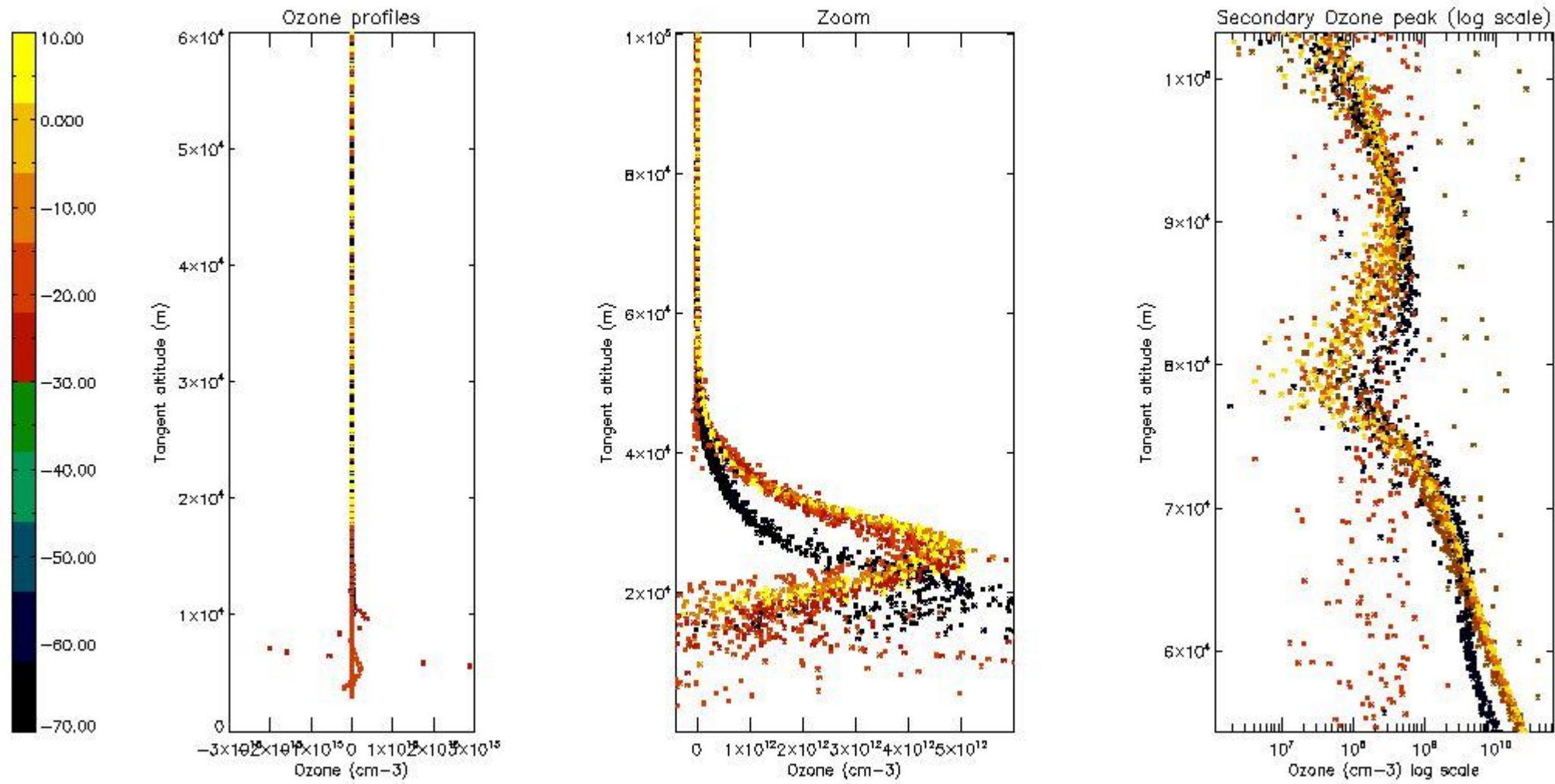
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	27
STD < 20	15

STD < 10	11
STD < 5	9

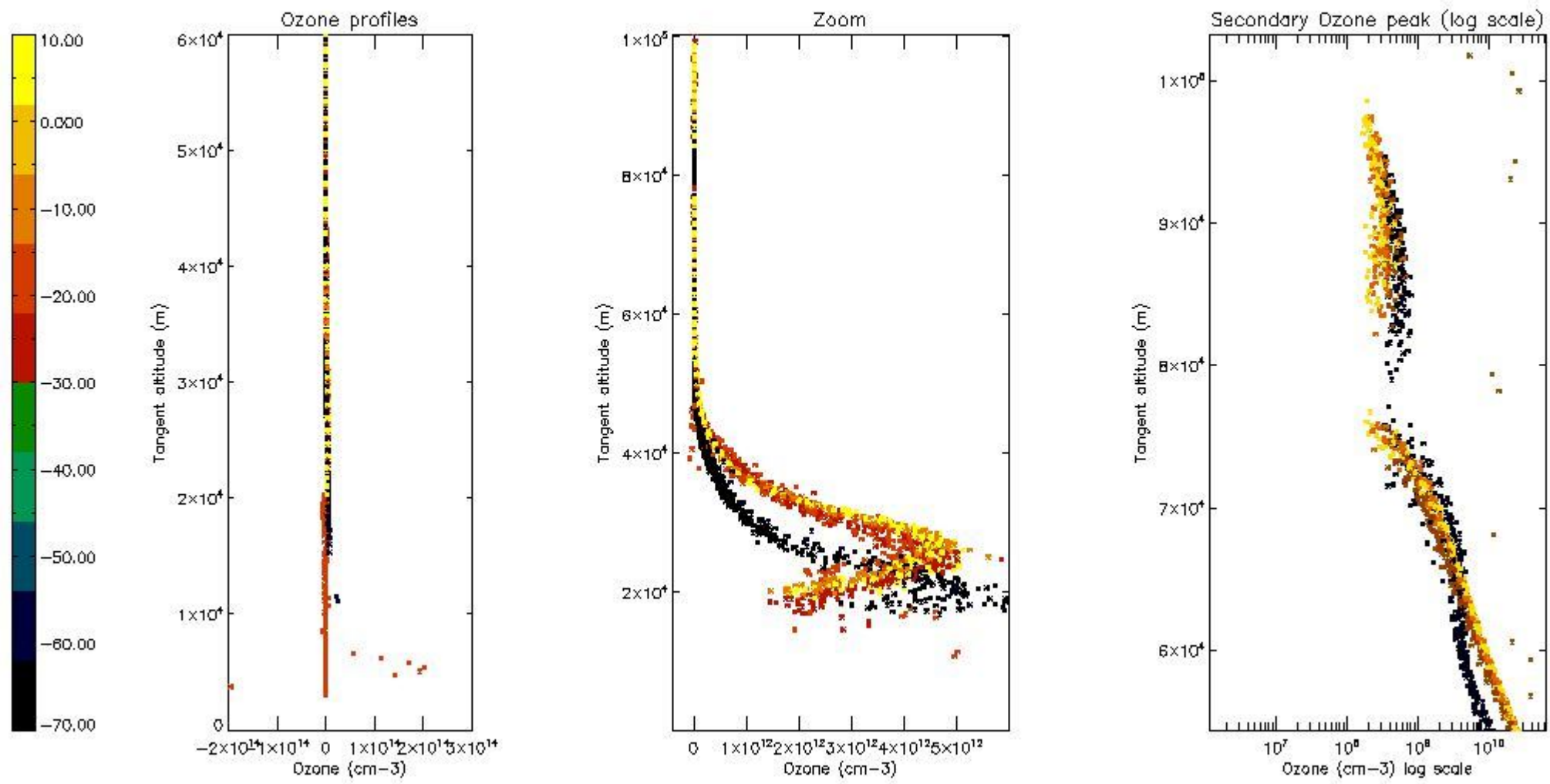
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



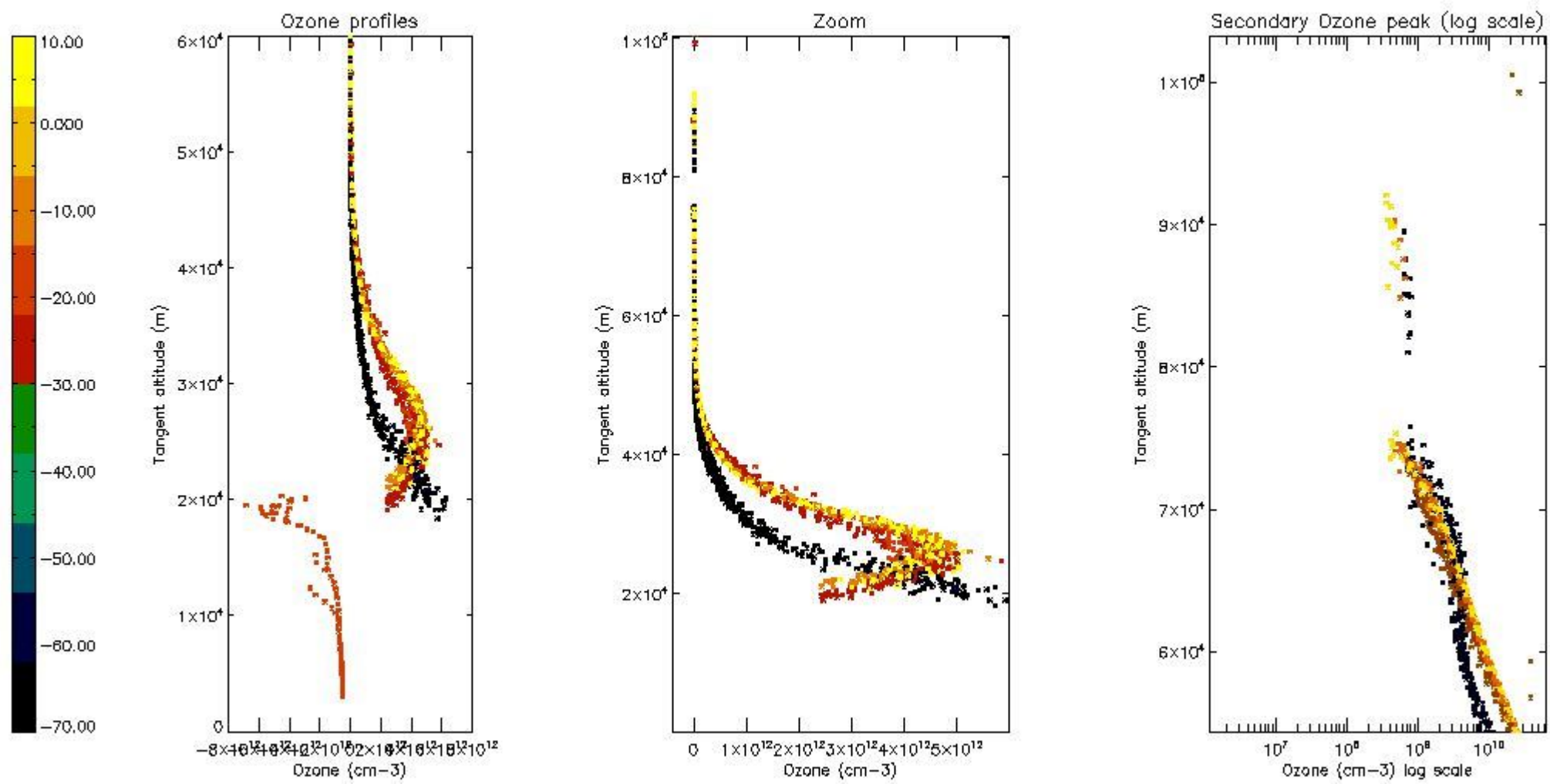
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



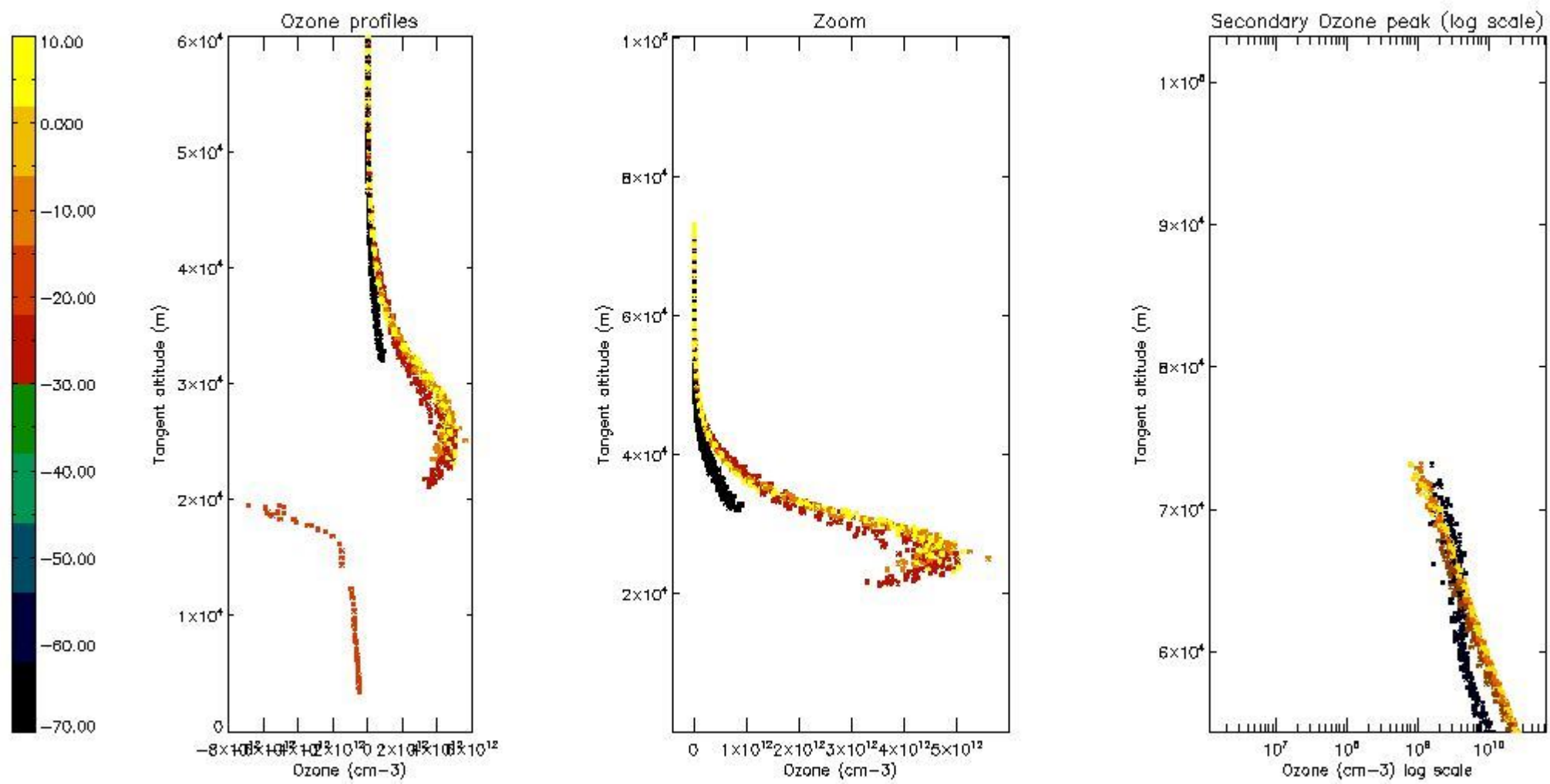
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



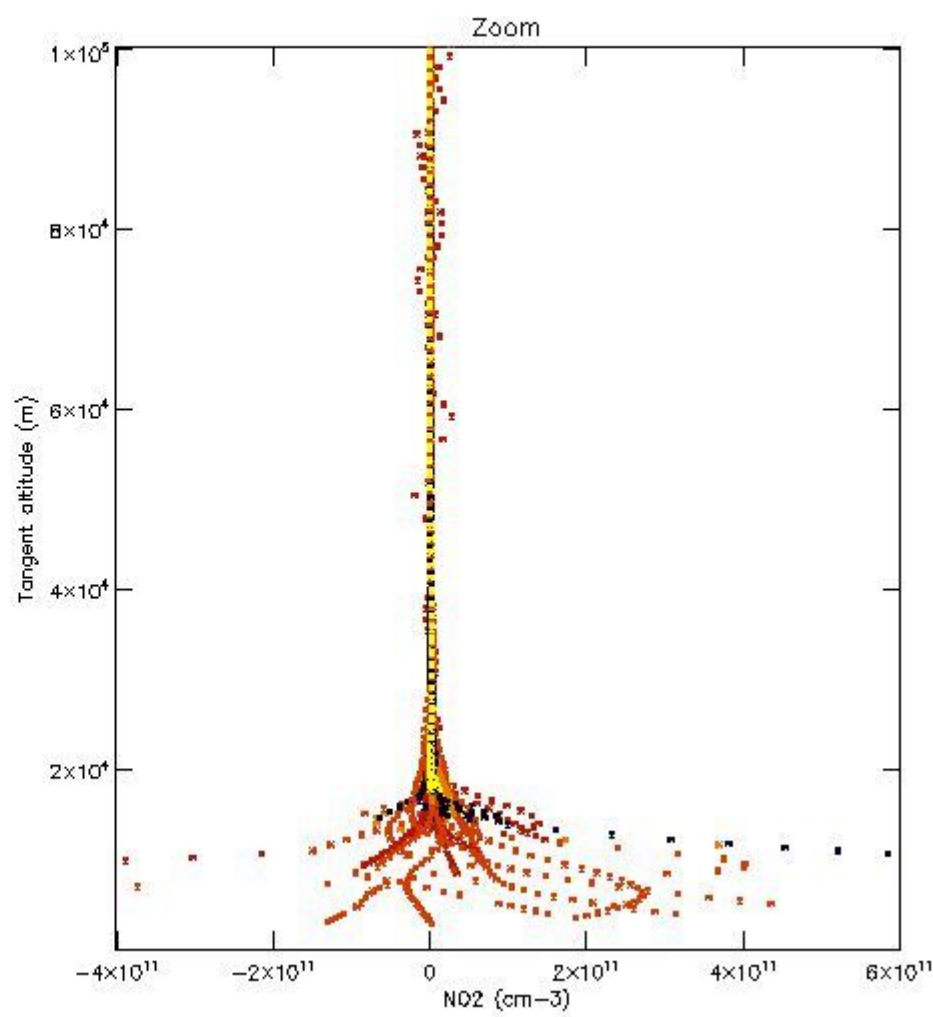
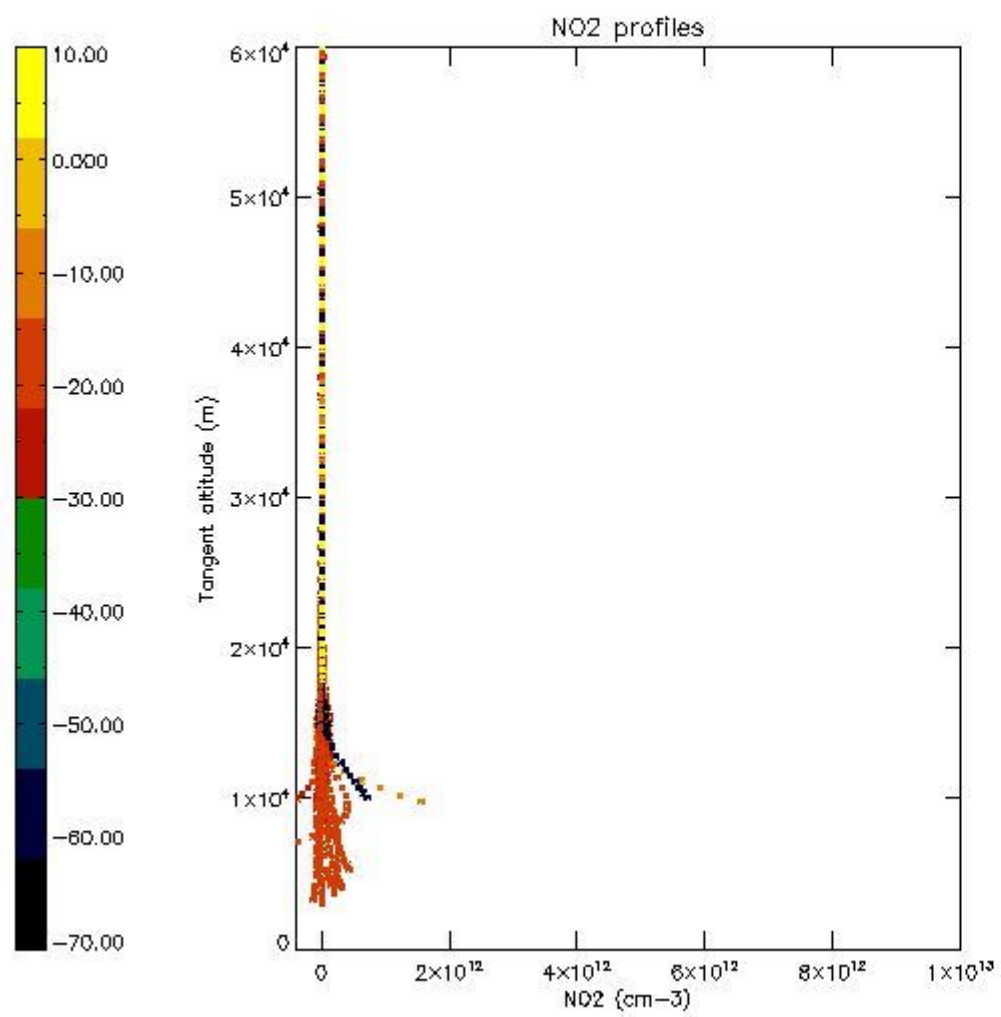
5.5 Plot ozone profiles where $STD < 5\%$ (dark without errors)

The colorbar represents the latitude.



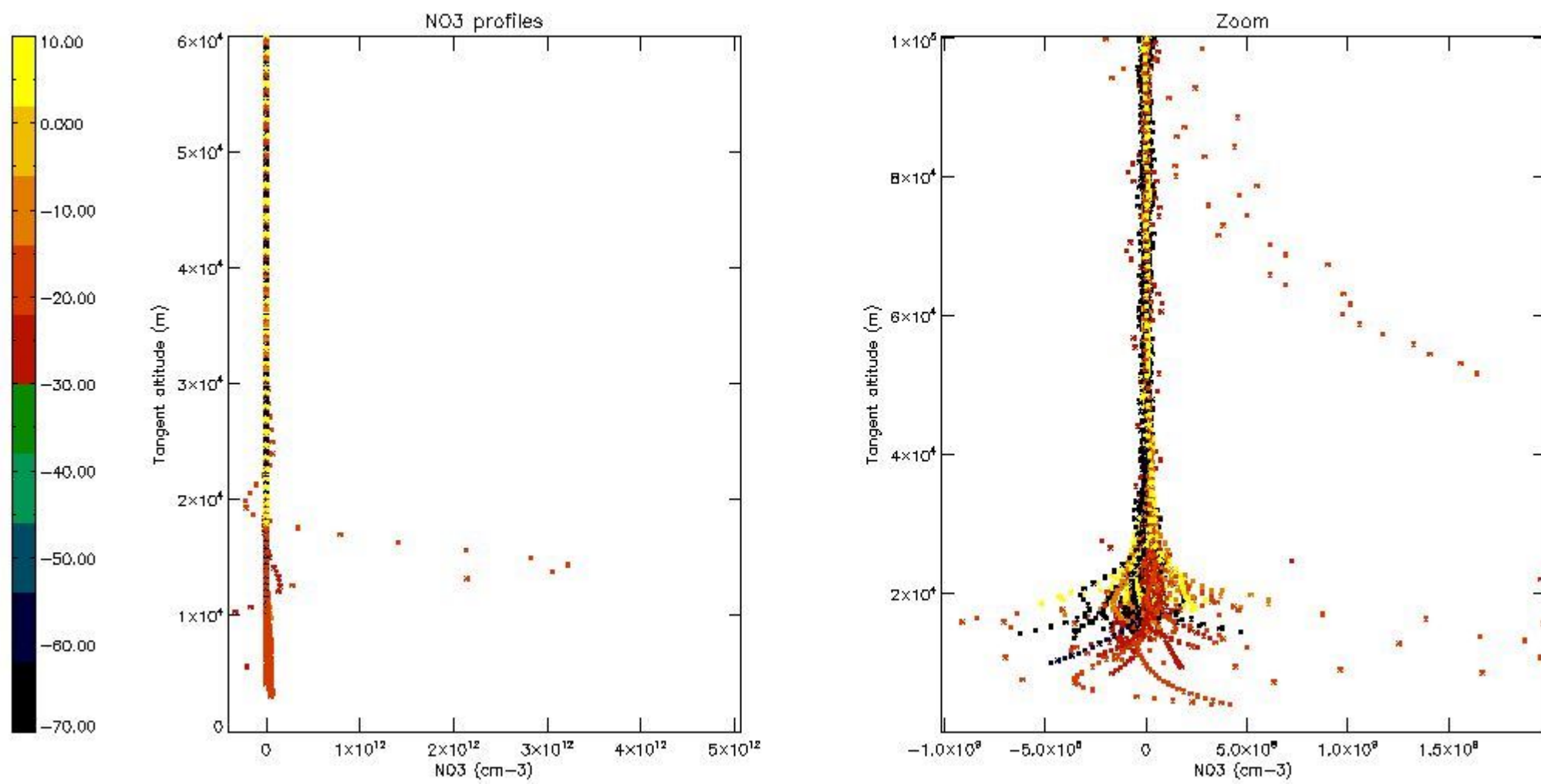
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



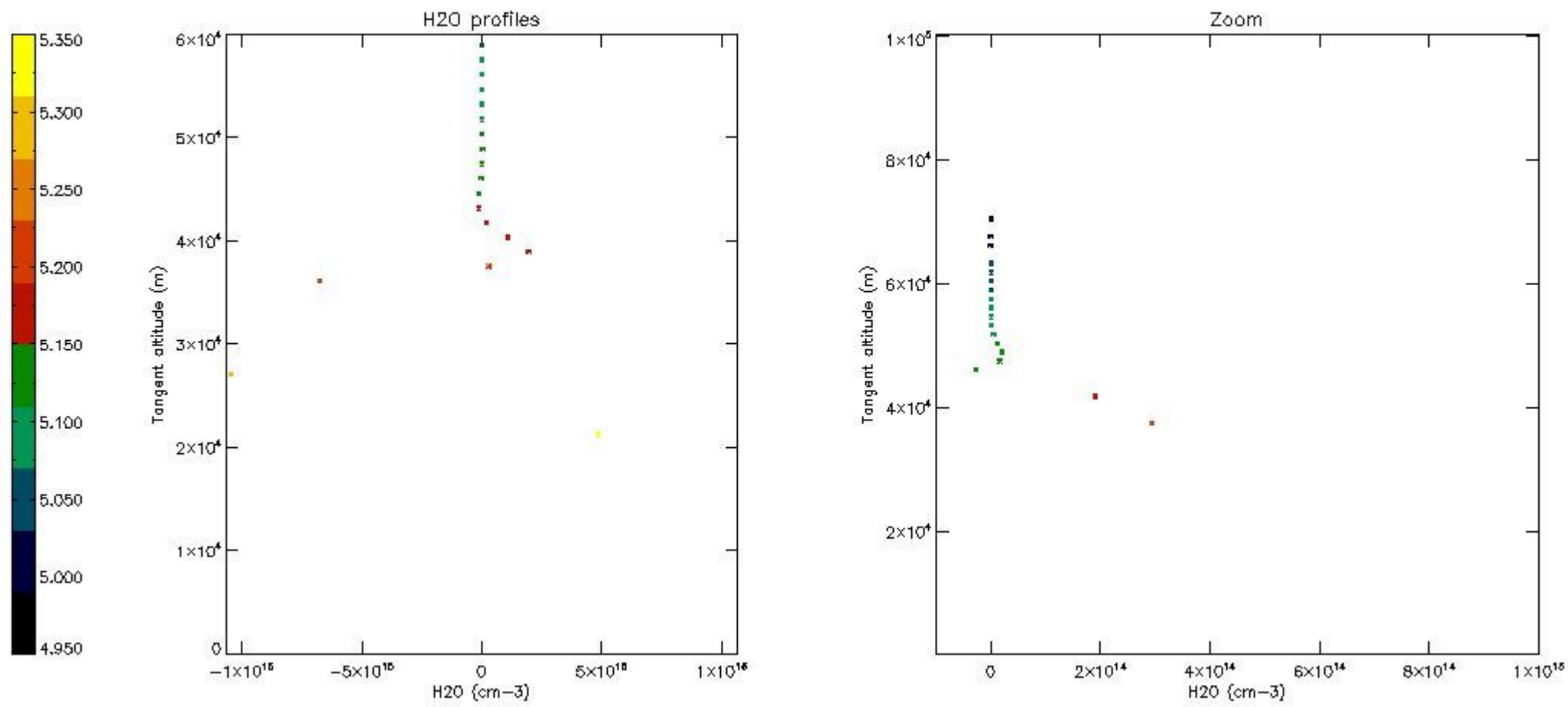
5.7 Plot NO3 profiles for all STD (dark without errors)

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	25-MAY-2011 00:15:13
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	25-MAY-2011 00:15:13
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	25-MAY-2011 00:15:13

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](#)

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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	24APR2013 14:01:40
Data source version	GOMOS/6.01
Start time of products	25-05-2011 (25MAY2011 00:00:00)
Stop time of products	26-05-2011 (26MAY2011 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	260
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

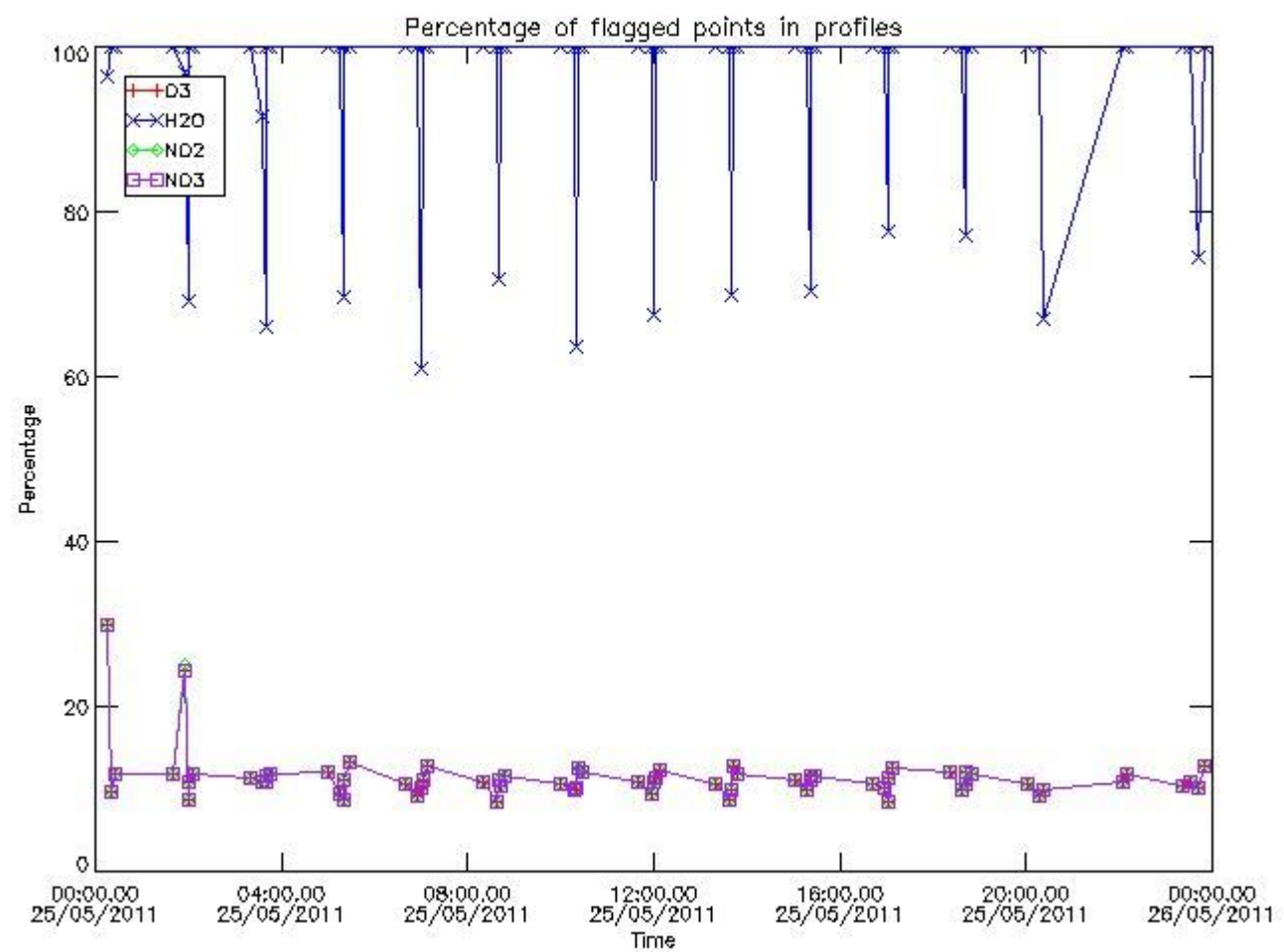
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20110525_001513_000000563102_00418_48277_3518.N1	25-MAY-2011 00:15:13	Dark	56.000	18	24Alp PsA	1.1660	9700.0	112	48277	No
2	GOM_NL__2PRFIN20110525_002046_000000543102_00419_48278_3501.N1	25-MAY-2011 00:20:46	Dark	53.500	31	Alp Gru	1.7340	15200.	107	48278	No
3	GOM_NL__2PRFIN20110525_002603_000000443102_00419_48278_3502.N1	25-MAY-2011 00:26:03	Dark	43.500	45	Alp Pav	1.9400	26000.	87	48278	No
4	GOM_NL__2PRFIN20110525_003529_000000503102_00419_48278_3503.N1	25-MAY-2011 00:35:29	Straylight	49.500	40	The Sco	1.8590	7100.0	99	48278	No
5	GOM_NL__2PRFIN20110525_003719_000000503102_00419_48278_3504.N1	25-MAY-2011 00:37:19	Straylight	50.000	25	35Lam Sco	1.6200	28000.	100	48278	No
6	GOM_NL__2PRFIN20110525_003916_000000513102_00419_48278_3505.N1	25-MAY-2011 00:39:16	Twilight_stray	50.500	75	26Eps Sco	2.2910	4250.0	101	48278	No
7	GOM_NL__2PRFIN20110525_004204_000000593102_00419_48278_3506.N1	25-MAY-2011 00:42:04	Bright	59.000	16	21Alp Sco	1.0200	3000.0	118	48278	No
8	GOM_NL__2PRFIN20110525_004424_000000413102_00419_48278_3507.N1	25-MAY-2011 00:44:24	Bright	41.000	97	8Bet1Sco	2.5610	30000.	82	48278	No
9	GOM_NL__2PRFIN20110525_004714_000000463102_00419_48278_3508.N1	25-MAY-2011 00:47:14	Bright	46.000	98	13Zet Oph	2.5710	30000.	92	48278	No
10	GOM_NL__2PRFIN20110525_004931_000000443102_00419_48278_3509.N1	25-MAY-2011 00:49:31	Bright	43.500	120	1Del Oph	2.7340	3200.0	87	48278	No
11	GOM_NL__2PRFIN20110525_005234_000000393102_00419_48278_3510.N1	25-MAY-2011 00:52:34	Bright	39.000	102	24Alp Ser	2.6000	4250.0	78	48278	No
12	GOM_NL__2PRFIN20110525_005836_000000403102_00419_48278_3511.N1	25-MAY-2011 00:58:36	Bright	40.000	67	5Alp CrB	2.2210	11000.	80	48278	No
13	GOM_NL__2PRFIN20110525_010151_000000483102_00419_48278_3512.N1	25-MAY-2011 01:01:51	Bright	47.500	133	40Zet Her	2.8070	6000.0	95	48278	No
14	GOM_NL__2PRFIN20110525_010923_000000413102_00419_48278_3513.N1	25-MAY-2011 01:09:23	Bright	41.000	119	14Eta Dra	2.7270	4700.0	82	48278	No
15	GOM_NL__2PRFIN20110525_012005_000000473102_00419_48278_3514.N1	25-MAY-2011 01:20:05	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	48278	No
16	GOM_NL__2PRFIN20110525_012433_000000483102_00419_48278_3515.N1	25-MAY-2011 01:24:33	Bright	48.000	74	11Bet Cas	2.2680	6600.0	96	48278	No
17	GOM_NL__2PRFIN20110525_013421_000000493102_00419_48278_3516.N1	25-MAY-2011 01:34:21	Twilight_stray	49.000	58	21Alp And	2.0730	11000.	98	48278	No
18	GOM_NL__2PRFIN20110525_013853_000000483102_00419_48278_3517.N1	25-MAY-2011 01:38:53	Dark	47.500	140	88Gam Peg	2.8340	26000.	95	48278	No
19	GOM_NL__2PRFIN20110525_015528_000000653102_00419_48278_3518.N1	25-MAY-2011 01:55:28	Dark	64.500	18	24Alp PsA	1.1660	9700.0	129	48278	No
20	GOM_NL__2PRFIN20110525_015917_000000593102_00419_48278_3519.N1	25-MAY-2011 01:59:17	Dark	59.000	63	Bet Gru	2.1500	2800.0	118	48278	No
21	GOM_NL__2PRFIN20110525_020101_000000473102_00420_48279_3501.N1	25-MAY-2011 02:01:01	Dark	47.000	31	Alp Gru	1.7340	15200.	94	48279	No
22	GOM_NL__2PRFIN20110525_020618_000000443102_00420_48279_3502.N1	25-MAY-2011 02:06:18	Dark	43.500	45	Alp Pav	1.9400	26000.	87	48279	No
23	GOM_NL__2PRFIN20110525_021543_000000473102_00420_48279_3503.N1	25-MAY-2011 02:15:43	Straylight	47.000	40	The Sco	1.8590	7100.0	94	48279	No
24	GOM_NL__2PRFIN20110525_021733_000000503102_00420_48279_3504.N1	25-MAY-2011 02:17:33	Straylight	50.000	25	35Lam Sco	1.6200	28000.	100	48279	No
25	GOM_NL__2PRFIN20110525_021931_000000493102_00420_48279_3505.N1	25-MAY-2011 02:19:31	Twilight_stray	48.500	75	26Eps Sco	2.2910	4250.0	97	48279	No
26	GOM_NL__2PRFIN20110525_022218_000000593102_00420_48279_3506.N1	25-MAY-2011 02:22:18	Bright	59.000	16	21Alp Sco	1.0200	3000.0	118	48279	No
27	GOM_NL__2PRFIN20110525_022438_000000413102_00420_48279_3507.N1	25-MAY-2011 02:24:38	Bright	41.000	97	8Bet1Sco	2.5610	30000.	82	48279	No
28	GOM_NL__2PRFIN20110525_022728_000000463102_00420_48279_3508.N1	25-MAY-2011 02:27:28	Bright	46.000	98	13Zet Oph	2.5710	30000.	92	48279	No
29	GOM_NL__2PRFIN20110525_022945_000000433102_00420_48279_3509.N1	25-MAY-2011 02:29:45	Bright	43.000	120	1Del Oph	2.7340	3200.0	86	48279	No
30	GOM_NL__2PRFIN20110525_023247_000000403102_00420_48279_3510.N1	25-MAY-2011 02:32:47	Bright	39.500	102	24Alp Ser	2.6000	4250.0	79	48279	No
31	GOM_NL__2PRFIN20110525_023850_000000413102_00420_48279_3511.N1	25-MAY-2011 02:38:50	Bright	40.500	67	5Alp CrB	2.2210	11000.	81	48279	No
32	GOM_NL__2PRFIN20110525_024205_000000483102_00420_48279_3512.N1	25-MAY-2011 02:42:05	Bright	48.000	133	40Zet Her	2.8070	6000.0	96	48279	No
33	GOM_NL__2PRFIN20110525_024936_000000403102_00420_48279_3513.N1	25-MAY-2011 02:49:36	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	48279	No
34	GOM_NL__2PRFIN20110525_030019_000000483102_00420_48279_3514.N1	25-MAY-2011 03:00:19	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	48279	No
35	GOM_NL__2PRFIN20110525_030447_000000383102_00420_48279_3515.N1	25-MAY-2011 03:04:47	Bright	37.500	74	11Bet Cas	2.2680	6600.0	75	48279	No
36	GOM_NL__2PRFIN20110525_031435_000000503102_00420_48279_3516.N1	25-MAY-2011 03:14:35	Twilight_stray	50.000	58	21Alp And	2.0730	11000.	100	48279	No
37	GOM_NL__2PRFIN20110525_031907_000000493102_00420_48279_3517.N1	25-MAY-2011 03:19:07	Dark	49.000	140	88Gam Peg	2.8340	26000.	98	48279	No
38	GOM_NL__2PRFIN20110525_033543_000000483102_00420_48279_3518.N1	25-MAY-2011 03:35:43	Dark	47.500	18	24Alp PsA	1.1660	9700.0	95	48279	No
39	GOM_NL__2PRFIN20110525_033932_000000483102_00420_48279_3519.N1	25-MAY-2011 03:39:32	Dark	47.500	63	Bet Gru	2.1500	2800.0	95	48279	No
40	GOM_NL__2PRFIN20110525_034116_000000453102_00421_48280_3534.N1	25-MAY-2011 03:41:16	Dark	44.500	31	Alp Gru	1.7340	15200.	89	48280	No
41	GOM_NL__2PRFIN20110525_034633_000000433102_00421_48280_3535.N1	25-MAY-2011 03:46:33	Dark	43.000	45	Alp Pav	1.9400	26000.	86	48280	No
42	GOM_NL__2PRFIN20110525_035558_000000513102_00421_48280_3536.N1	25-MAY-2011 03:55:58	Straylight	51.000	40	The Sco	1.8590	7100.0	102	48280	No

220	GOM_NL__2PRFIN20110525_185958_000000483102_00430_48289_4099.N1	25-MAY-2011 18:59:58	Straylight	47.500	25	35Lam Sco	1.6200	28000.	95	48289	No
221	GOM_NL__2PRFIN20110525_190154_000000493102_00430_48289_4100.N1	25-MAY-2011 19:01:54	Twilight_stray	48.500	75	26Eps Sco	2.2910	4250.0	97	48289	No
222	GOM_NL__2PRFIN20110525_190441_000000593102_00430_48289_4101.N1	25-MAY-2011 19:04:41	Bright	59.000	16	21Alp Sco	1.0200	3000.0	118	48289	No
223	GOM_NL__2PRFIN20110525_190751_000000503102_00430_48289_4102.N1	25-MAY-2011 19:07:51	Bright	49.500	86	35Eta Oph	2.4300	10200.	99	48289	No
224	GOM_NL__2PRFIN20110525_190948_000000443102_00430_48289_4103.N1	25-MAY-2011 19:09:48	Bright	43.500	98	13Zet Oph	2.5710	30000.	87	48289	No
225	GOM_NL__2PRFIN20110525_191204_000000433102_00430_48289_4104.N1	25-MAY-2011 19:12:04	Bright	42.500	120	1Del Oph	2.7340	3200.0	85	48289	No
226	GOM_NL__2PRFIN20110525_191506_000000393102_00430_48289_4105.N1	25-MAY-2011 19:15:06	Bright	39.000	102	24Alp Ser	2.6000	4250.0	78	48289	No
227	GOM_NL__2PRFIN20110525_192108_000000403102_00430_48289_4106.N1	25-MAY-2011 19:21:08	Bright	39.500	67	5Alp CrB	2.2210	11000.	79	48289	No
228	GOM_NL__2PRFIN20110525_192418_000000473102_00430_48289_4107.N1	25-MAY-2011 19:24:18	Bright	47.000	133	40Zet Her	2.8070	6000.0	94	48289	No
229	GOM_NL__2PRFIN20110525_193153_000000413102_00430_48289_4108.N1	25-MAY-2011 19:31:53	Bright	40.500	119	14Eta Dra	2.7270	4700.0	81	48289	No
230	GOM_NL__2PRFIN20110525_194233_000000463102_00430_48289_4109.N1	25-MAY-2011 19:42:33	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	48289	No
231	GOM_NL__2PRFIN20110525_194706_000000583102_00430_48289_4110.N1	25-MAY-2011 19:47:06	Bright	58.000	74	11Bet Cas	2.2680	6600.0	116	48289	No
232	GOM_NL__2PRFIN20110525_195657_000000493102_00430_48289_4111.N1	25-MAY-2011 19:56:57	Twilight_stray	48.500	58	21Alp And	2.0730	11000.	97	48289	No
233	GOM_NL__2PRFIN20110525_200132_000000483102_00430_48289_4112.N1	25-MAY-2011 20:01:32	Dark	48.000	140	88Gam Peg	2.8340	26000.	96	48289	No
234	GOM_NL__2PRFIN20110525_201814_000000563102_00430_48289_4113.N1	25-MAY-2011 20:18:14	Dark	56.000	18	24Alp PsA	1.1660	9700.0	112	48289	No
235	GOM_NL__2PRFIN20110525_202200_000000523102_00430_48289_4144.N1	25-MAY-2011 20:22:00	Dark	51.500	63	Bet Gru	2.1500	2800.0	103	48289	No
236	GOM_NL__2PRFIN20110525_220400_000000483103_00001_48291_4157.N1	25-MAY-2011 22:04:00	Dark	47.500	31	Alp Gru	1.7340	15200.	95	48291	No
237	GOM_NL__2PRFIN20110525_220914_000000443103_00001_48291_4158.N1	25-MAY-2011 22:09:14	Dark	43.500	45	Alp Pav	1.9400	26000.	87	48291	No
238	GOM_NL__2PRFIN20110525_221548_000000453103_00001_48291_4159.N1	25-MAY-2011 22:15:48	Straylight	45.000	141	Bet Ara	2.8400	4600.0	90	48291	No
239	GOM_NL__2PRFIN20110525_221838_000000493103_00001_48291_4160.N1	25-MAY-2011 22:18:38	Straylight	49.000	40	The Sco	1.8590	7100.0	98	48291	No
240	GOM_NL__2PRFIN20110525_222027_000000513103_00001_48291_4161.N1	25-MAY-2011 22:20:27	Straylight	50.500	25	35Lam Sco	1.6200	28000.	101	48291	No
241	GOM_NL__2PRFIN20110525_222223_000000513103_00001_48291_4162.N1	25-MAY-2011 22:22:23	Twilight_stray	50.500	75	26Eps Sco	2.2910	4250.0	101	48291	No
242	GOM_NL__2PRFIN20110525_222509_000000593103_00001_48291_4163.N1	25-MAY-2011 22:25:09	Bright	59.000	16	21Alp Sco	1.0200	3000.0	118	48291	No
243	GOM_NL__2PRFIN20110525_222641_000000433103_00001_48291_4164.N1	25-MAY-2011 22:26:41	Bright	43.000	80	7Del Sco	2.3160	30000.	86	48291	No
244	GOM_NL__2PRFIN20110525_222819_000000513103_00001_48291_4165.N1	25-MAY-2011 22:28:19	Bright	50.500	86	35Eta Oph	2.4300	10200.	101	48291	No
245	GOM_NL__2PRFIN20110525_223054_000000373103_00001_48291_4166.N1	25-MAY-2011 22:30:54	Bright	36.500	104	27Bet Lib	2.6140	13100.	73	48291	No
246	GOM_NL__2PRFIN20110525_223232_000000423103_00001_48291_4167.N1	25-MAY-2011 22:32:32	Bright	42.000	120	1Del Oph	2.7340	3200.0	84	48291	No
247	GOM_NL__2PRFIN20110525_223534_000000393103_00001_48291_4168.N1	25-MAY-2011 22:35:34	Bright	38.500	102	24Alp Ser	2.6000	4250.0	77	48291	No
248	GOM_NL__2PRFIN20110525_224135_000000413103_00001_48291_4169.N1	25-MAY-2011 22:41:35	Bright	41.000	67	5Alp CrB	2.2210	11000.	82	48291	No
249	GOM_NL__2PRFIN20110525_224445_000000473103_00001_48291_4170.N1	25-MAY-2011 22:44:45	Bright	47.000	133	40Zet Her	2.8070	6000.0	94	48291	No
250	GOM_NL__2PRFIN20110525_225221_000000383103_00001_48291_4171.N1	25-MAY-2011 22:52:21	Bright	37.500	119	14Eta Dra	2.7270	4700.0	75	48291	No
251	GOM_NL__2PRFIN20110525_225440_000000353103_00001_48291_4172.N1	25-MAY-2011 22:54:40	Bright	35.000	60	7Bet UMi	2.0810	3950.0	70	48291	No
252	GOM_NL__2PRFIN20110525_230300_000000463103_00001_48291_4173.N1	25-MAY-2011 23:03:00	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	48291	No
253	GOM_NL__2PRFIN20110525_230722_000000513103_00001_48291_4174.N1	25-MAY-2011 23:07:22	Bright	50.500	76	27Gam Cas	2.3000	30000.	101	48291	No
254	GOM_NL__2PRFIN20110525_231452_000000483103_00001_48291_4175.N1	25-MAY-2011 23:14:52	Bright	48.000	53	43Bet And	2.0480	3300.0	96	48291	No
255	GOM_NL__2PRFIN20110525_231725_000000513103_00001_48291_4176.N1	25-MAY-2011 23:17:25	Twilight_stray	50.500	58	21Alp And	2.0730	11000.	101	48291	No
256	GOM_NL__2PRFIN20110525_232200_000000493103_00001_48291_4177.N1	25-MAY-2011 23:22:00	Dark	49.000	140	88Gam Peg	2.8340	26000.	98	48291	No
257	GOM_NL__2PRFIN20110525_233052_000000483103_00001_48291_4178.N1	25-MAY-2011 23:30:52	Dark	47.500	52	16Bet Cet	2.0370	4500.0	95	48291	No
258	GOM_NL__2PRFIN20110525_234230_000000613103_00002_48292_4170.N1	25-MAY-2011 23:42:30	Dark	61.000	63	Bet Gru	2.1500	2800.0	122	48292	No
259	GOM_NL__2PRFIN20110525_234929_000000443103_00002_48292_4171.N1	25-MAY-2011 23:49:29	Dark	44.000	45	Alp Pav	1.9400	26000.	88	48292	No
260	GOM_NL__2PRFIN20110525_235852_000000483103_00002_48292_4172.N1	25-MAY-2011 23:58:52	Straylight	48.000	40	The Sco	1.8590	7100.0	96	48292	No

3. Quality information per product

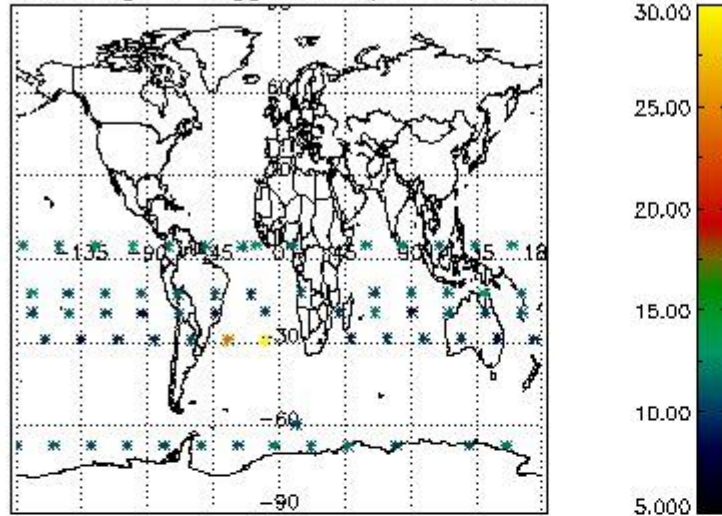
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

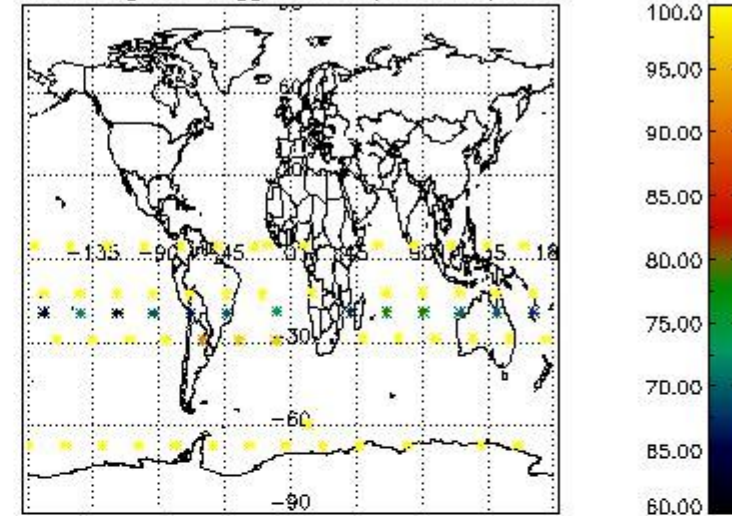


3.2 Plot quality information per product (world map)

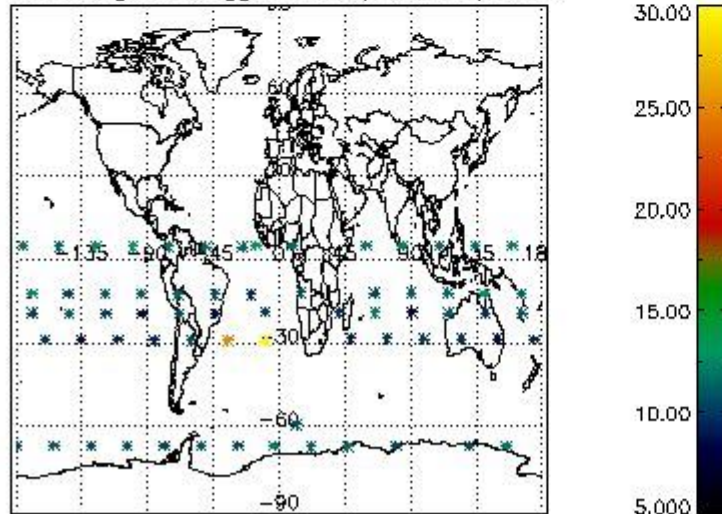
Percentage of flagged data per O3 profile



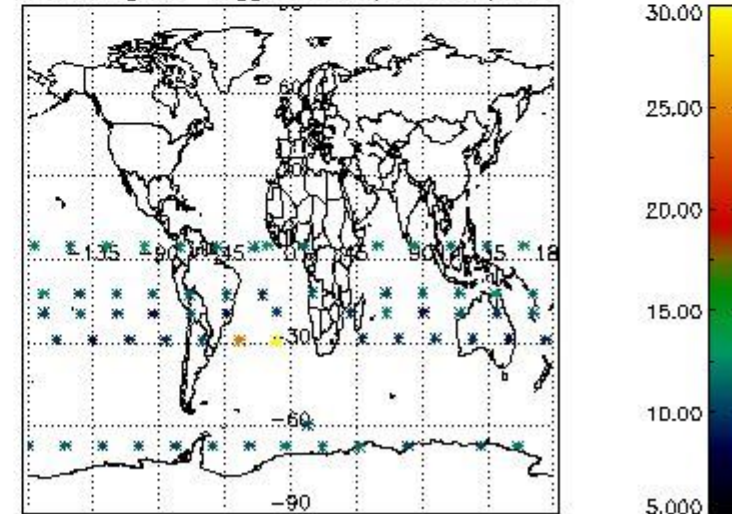
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

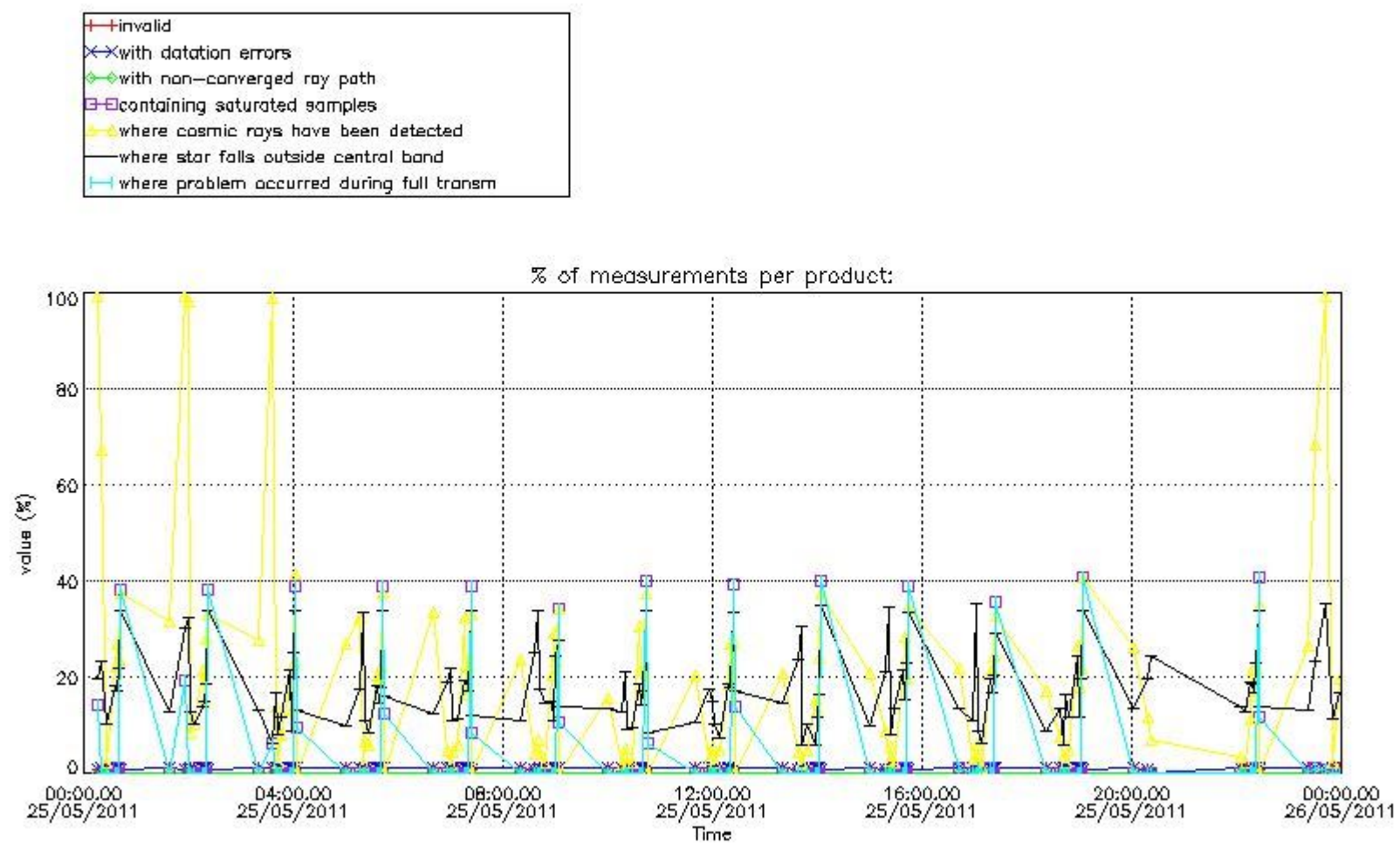


4. Level 1 quality information per product

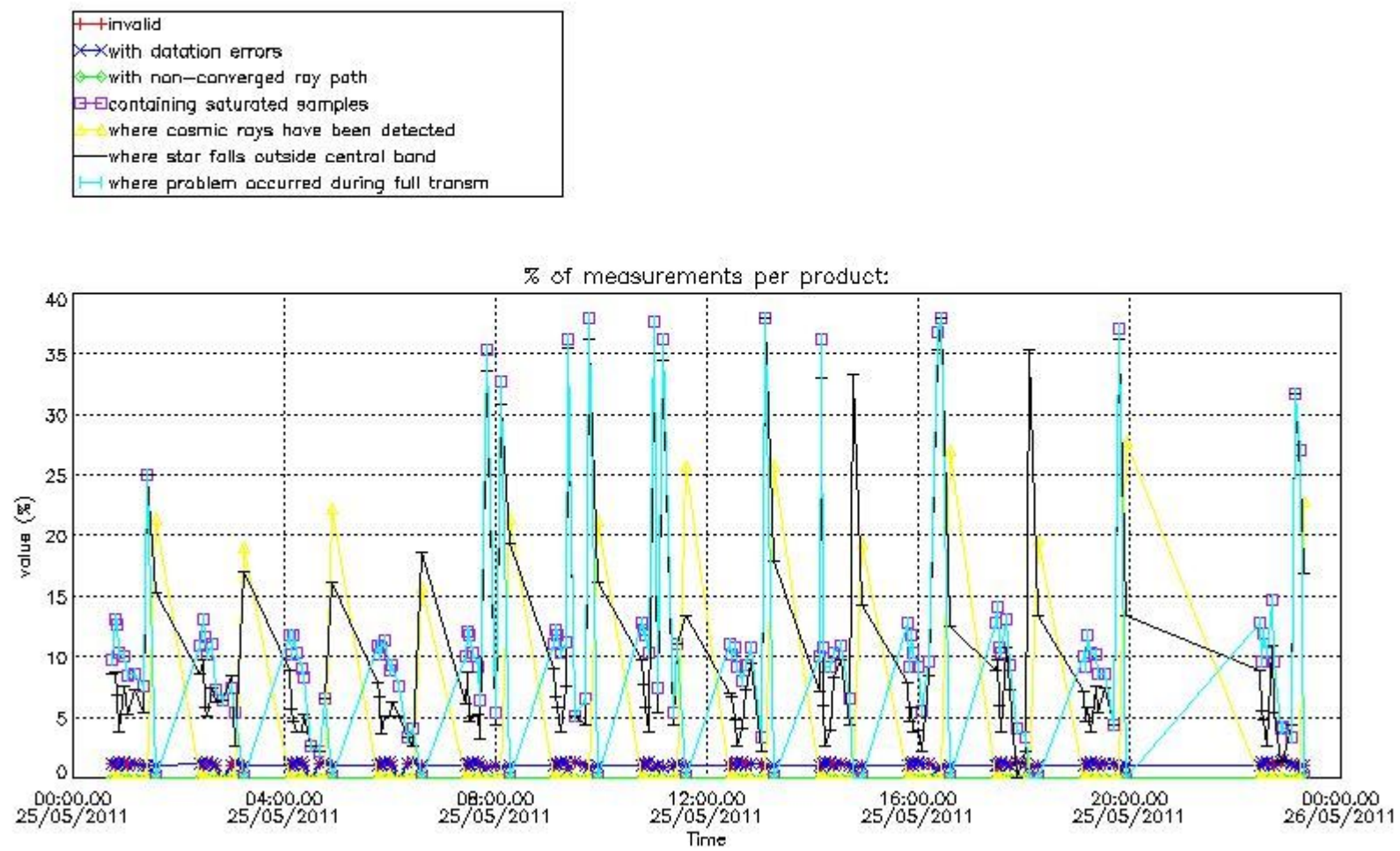
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



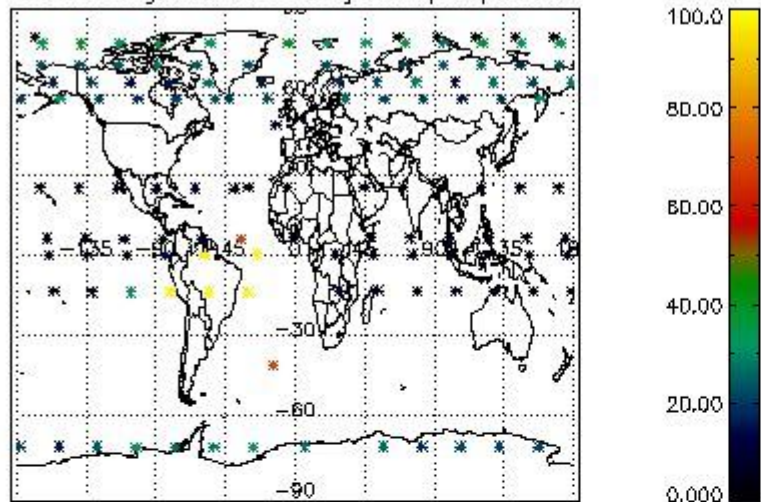
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



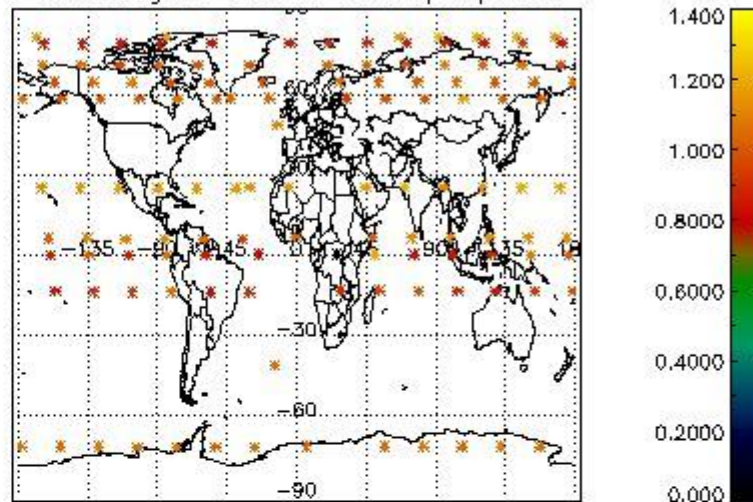
4.2 Plot quality information per product coming from level 1b processing (world map)

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

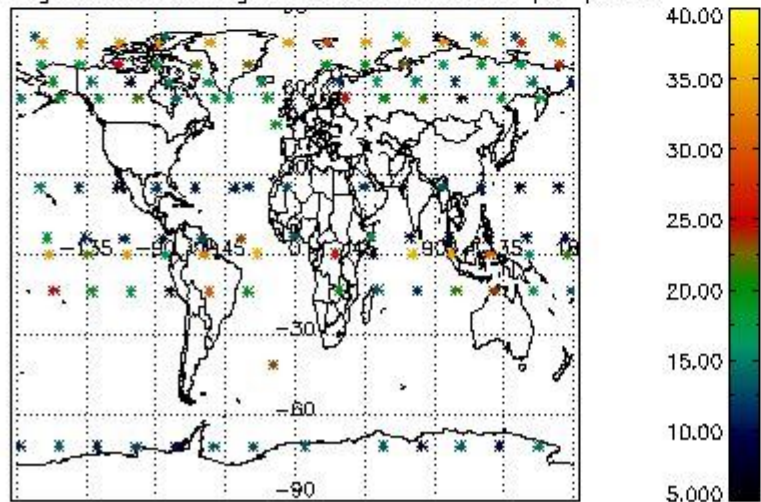
Percentage of cosmic ray hits per profile



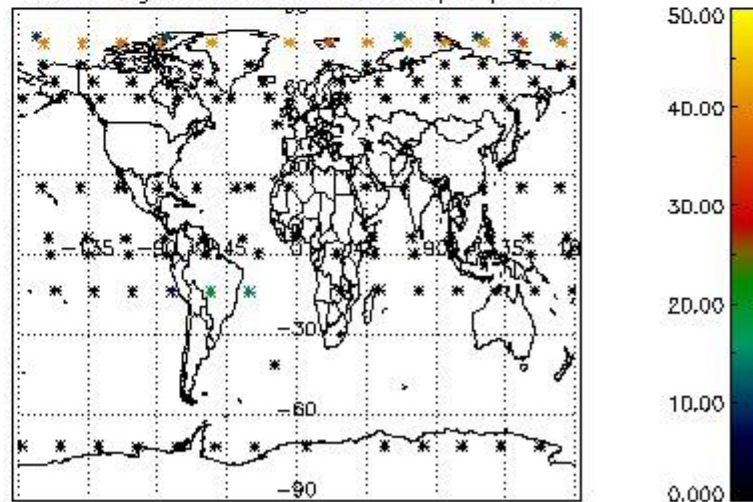
Percentage of datation errors per profile



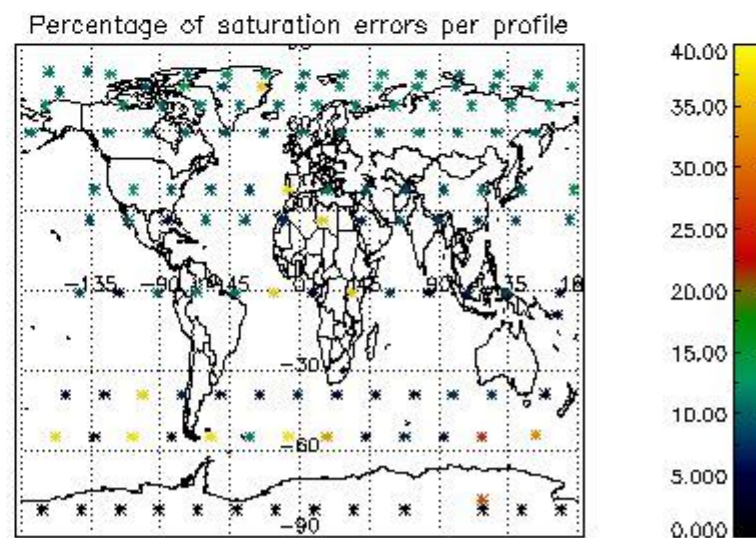
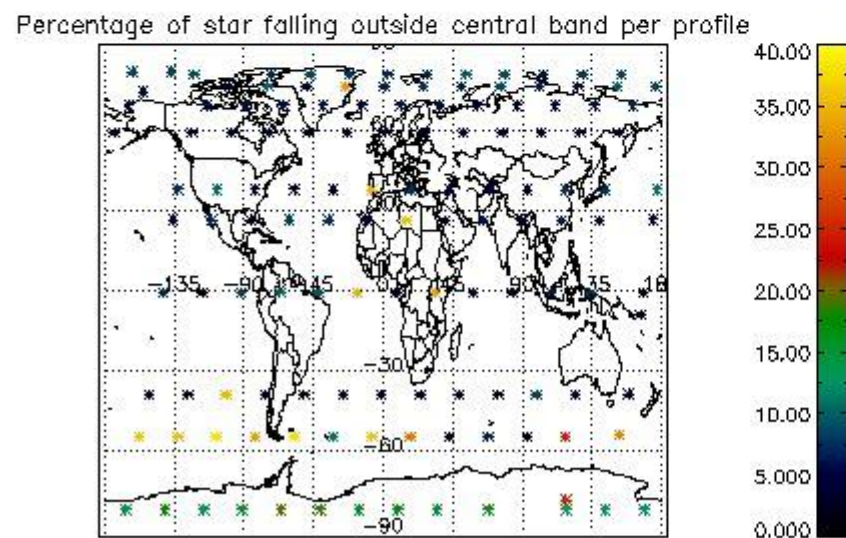
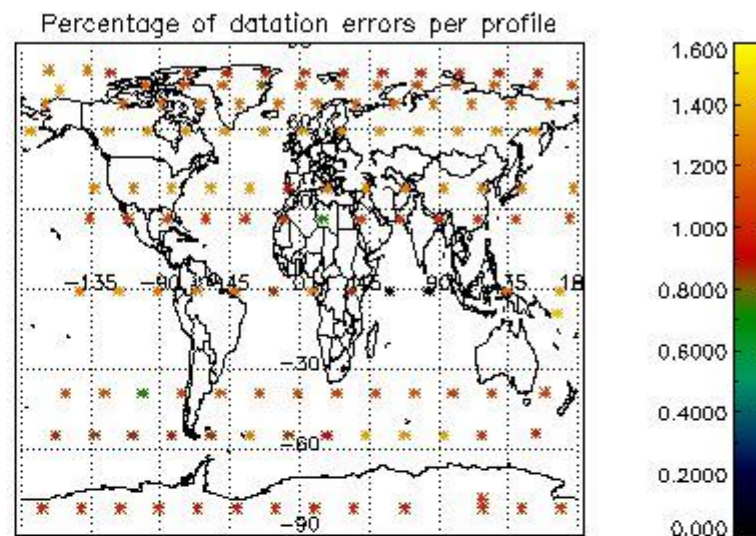
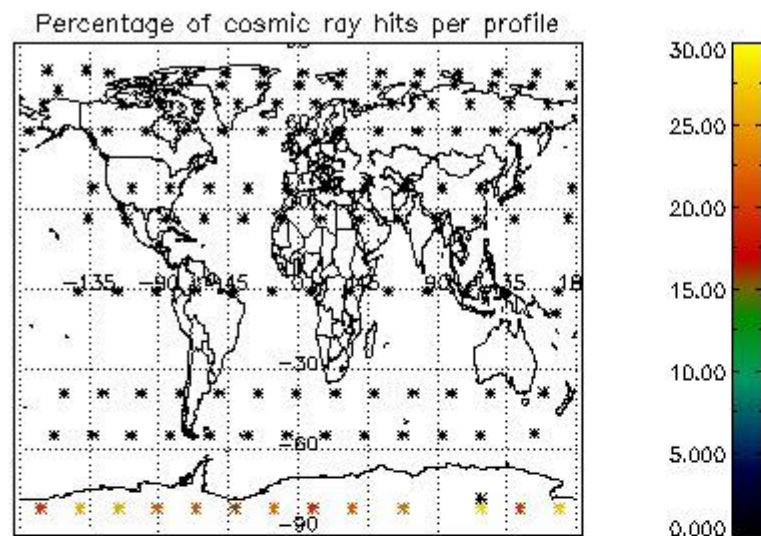
Percentage of star falling outside central band per profile



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

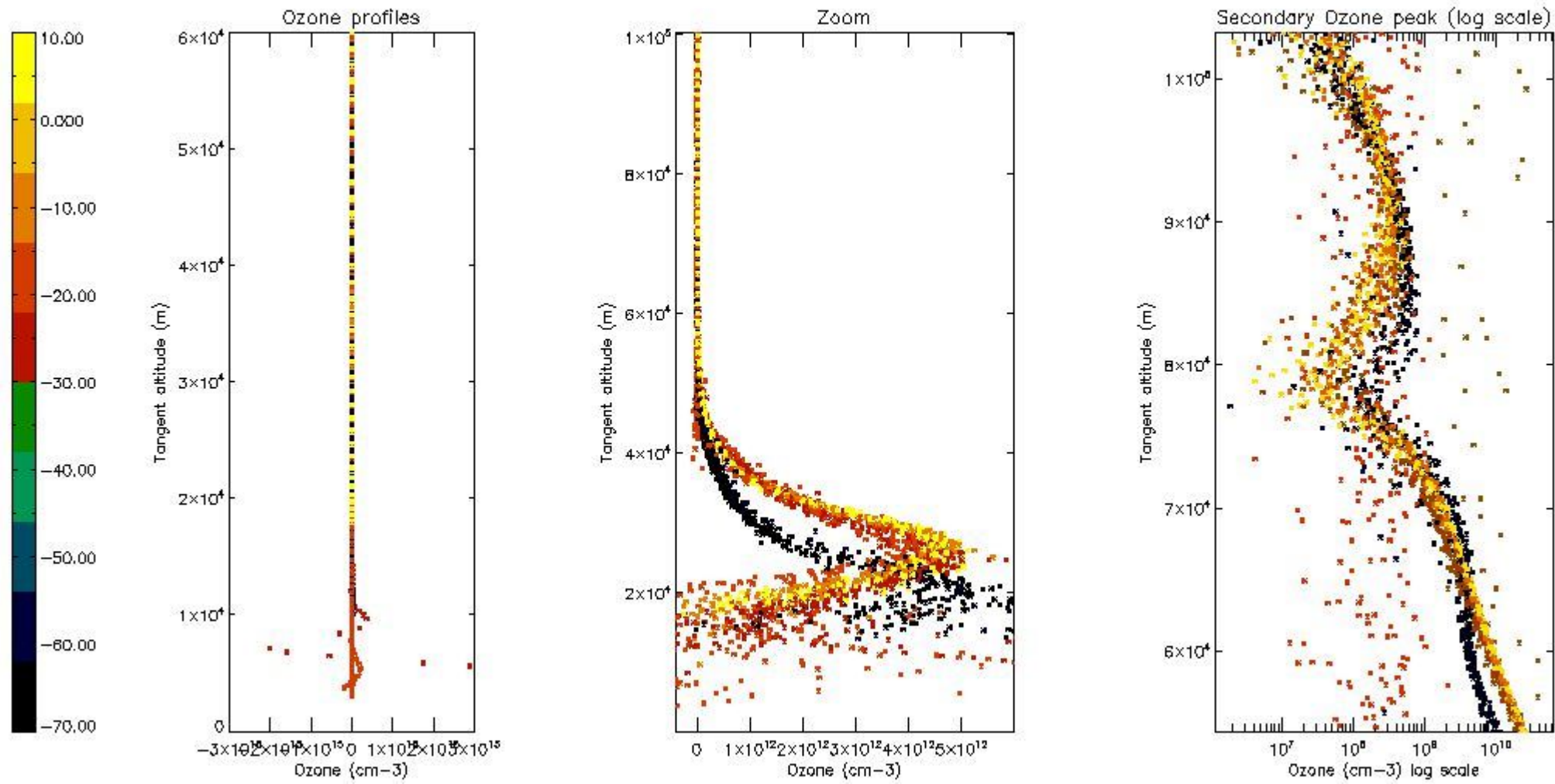
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	27
STD < 20	15

STD < 10	11
STD < 5	9

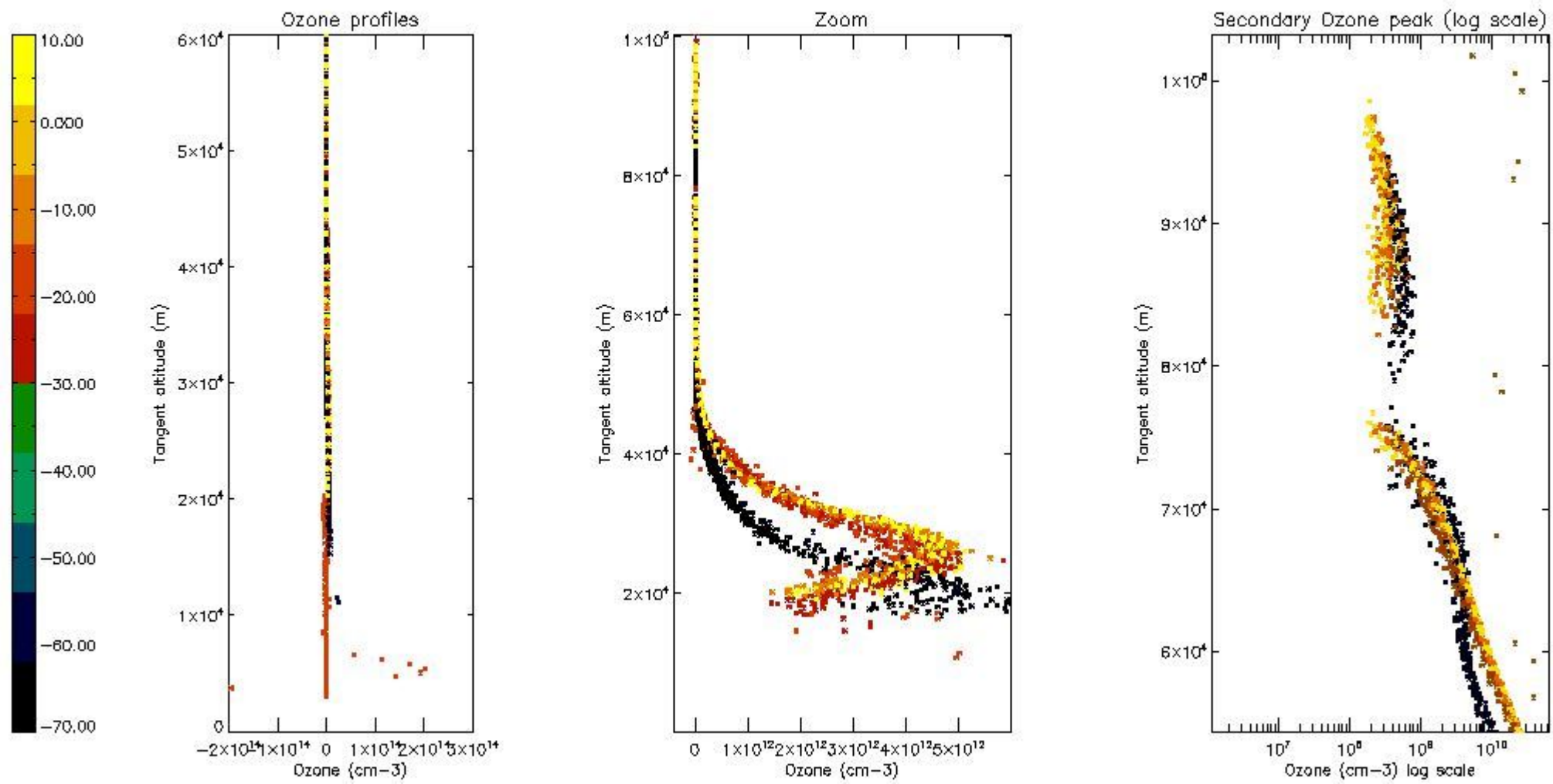
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



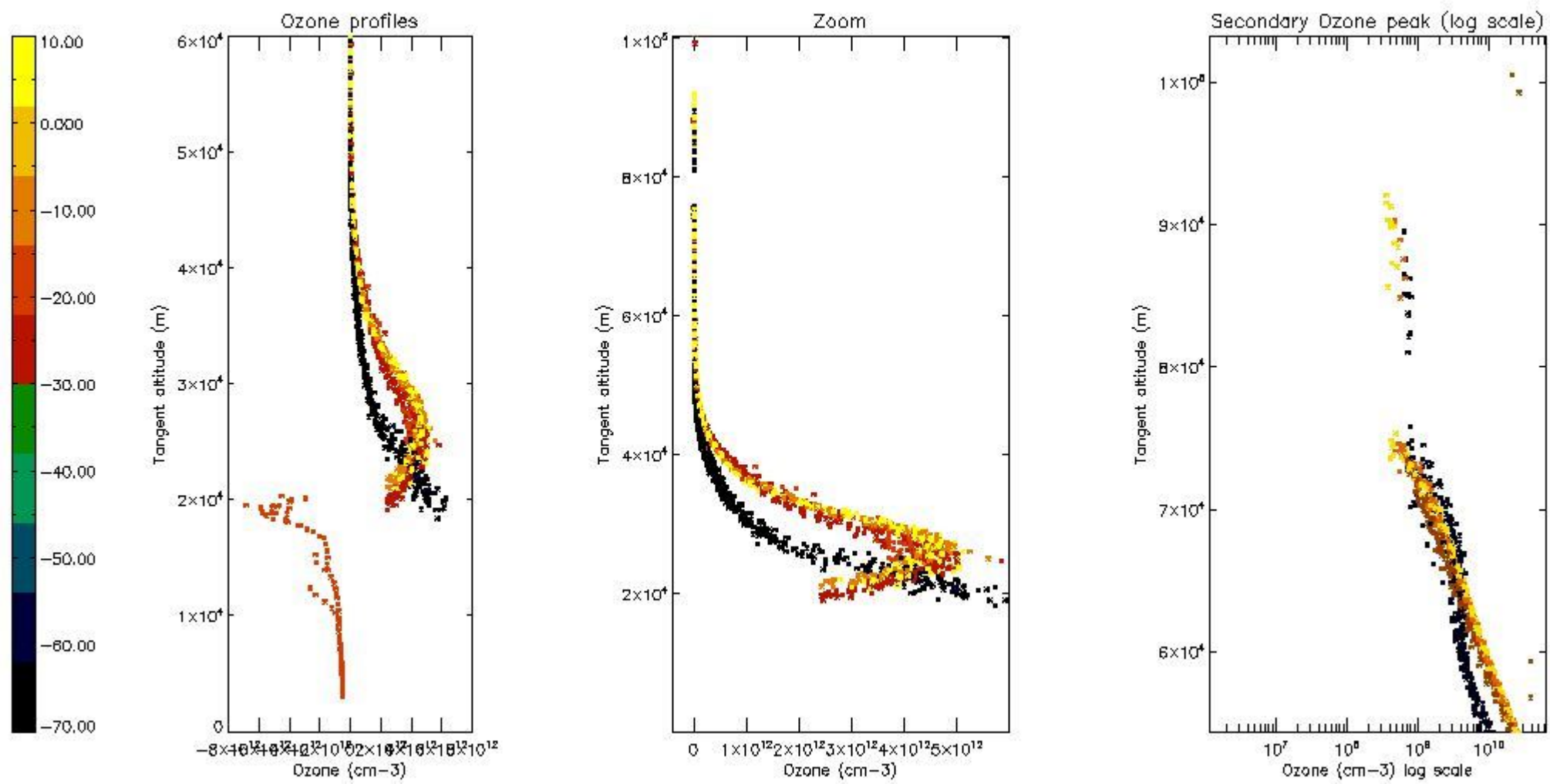
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



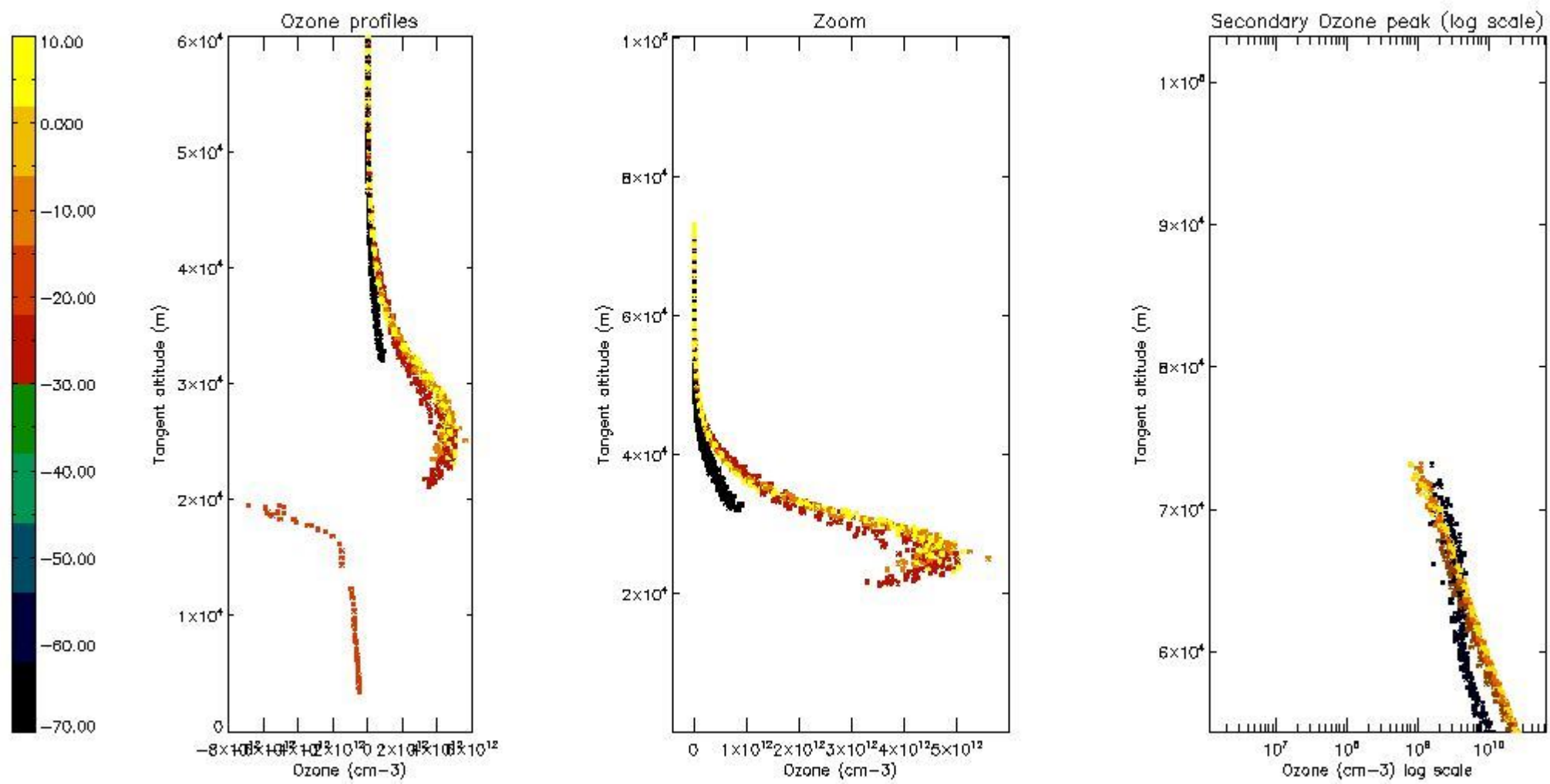
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



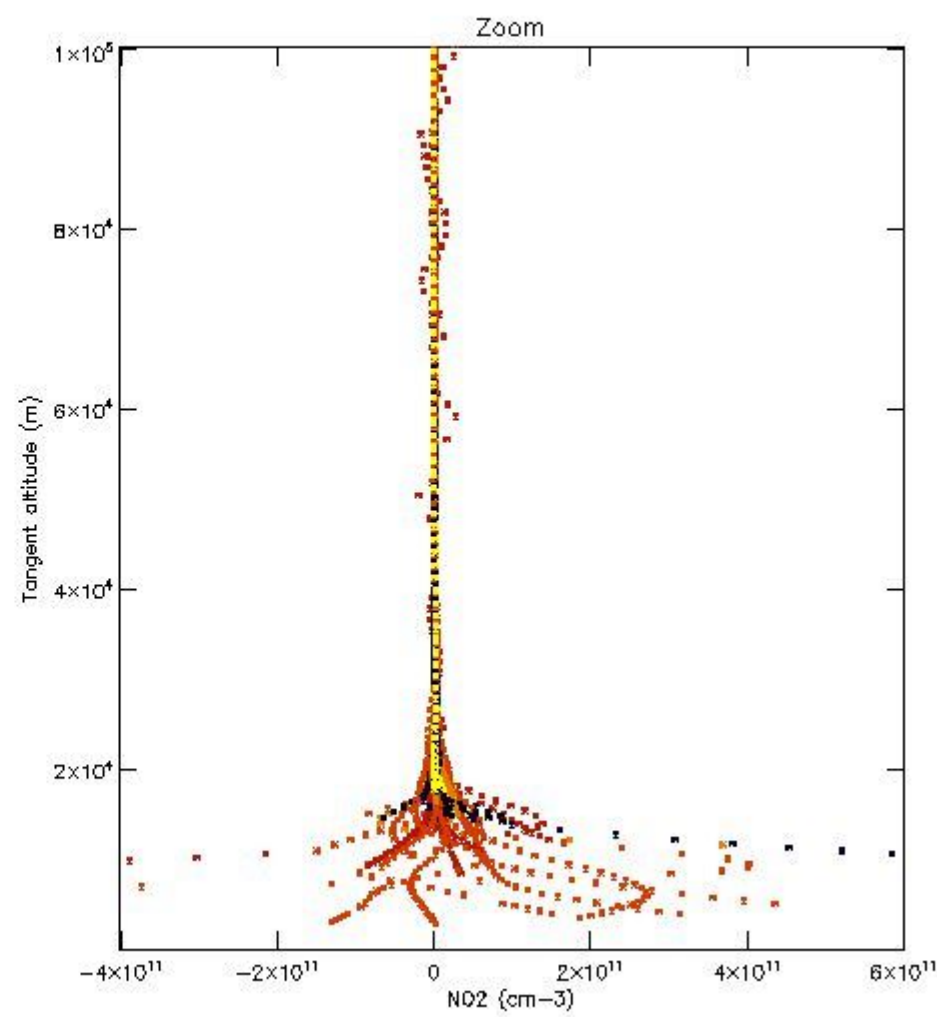
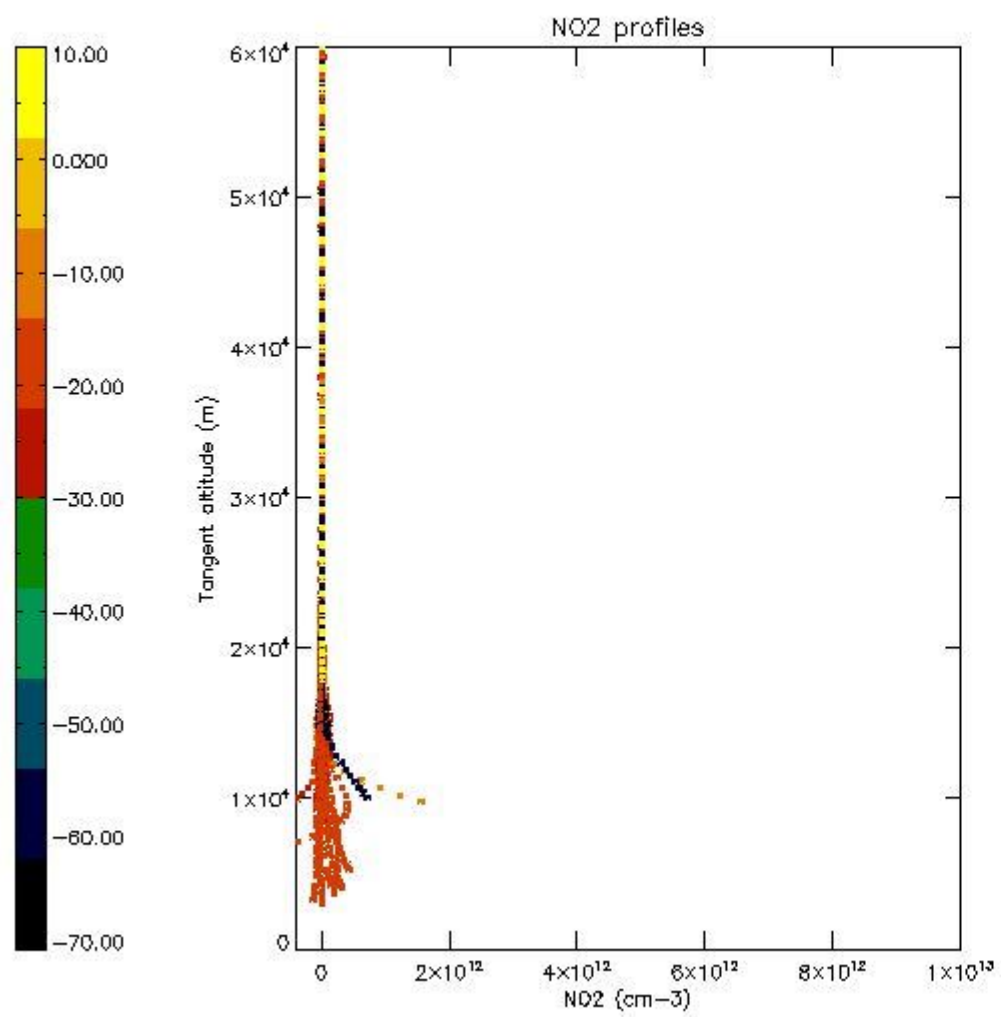
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



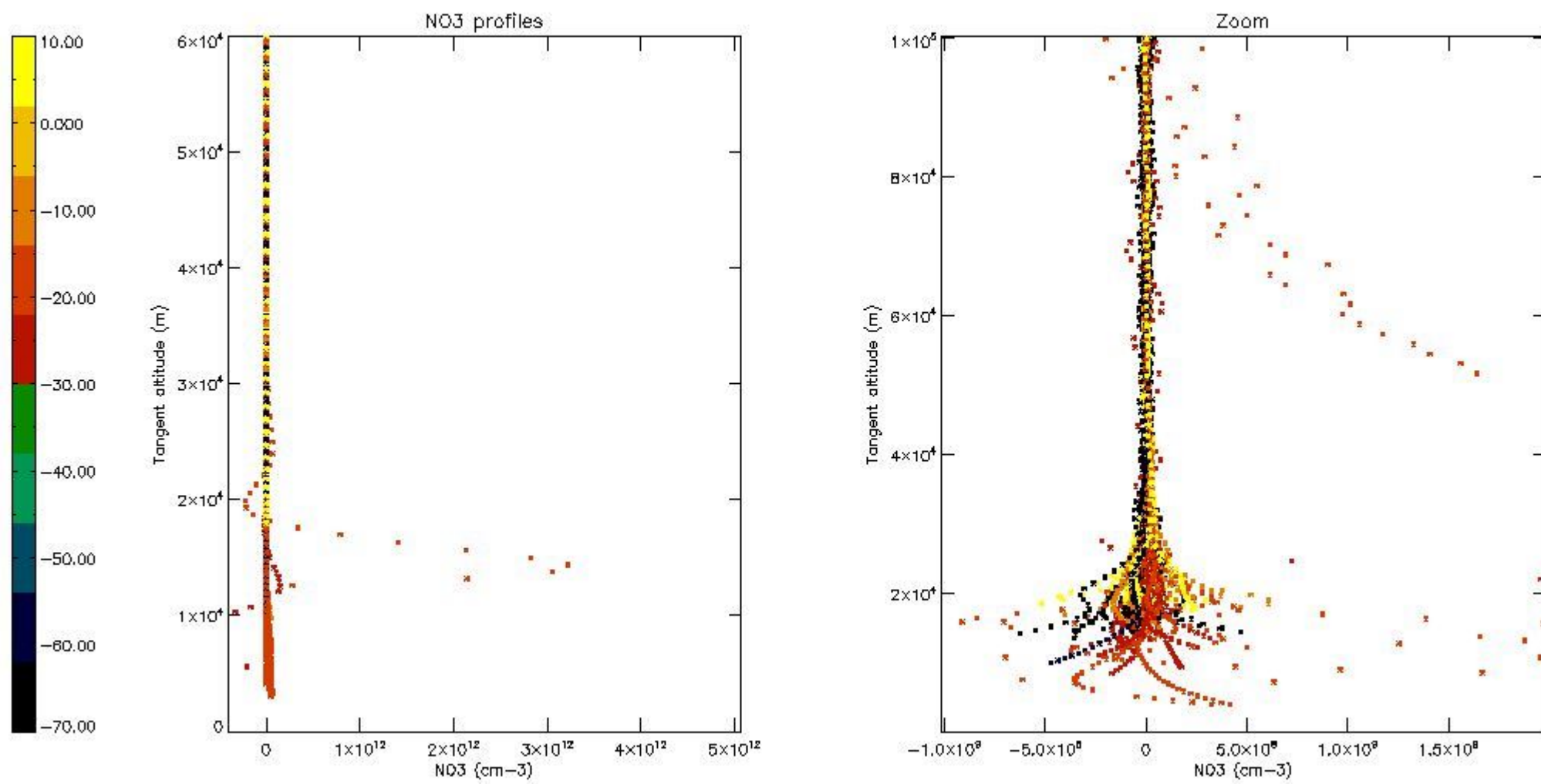
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



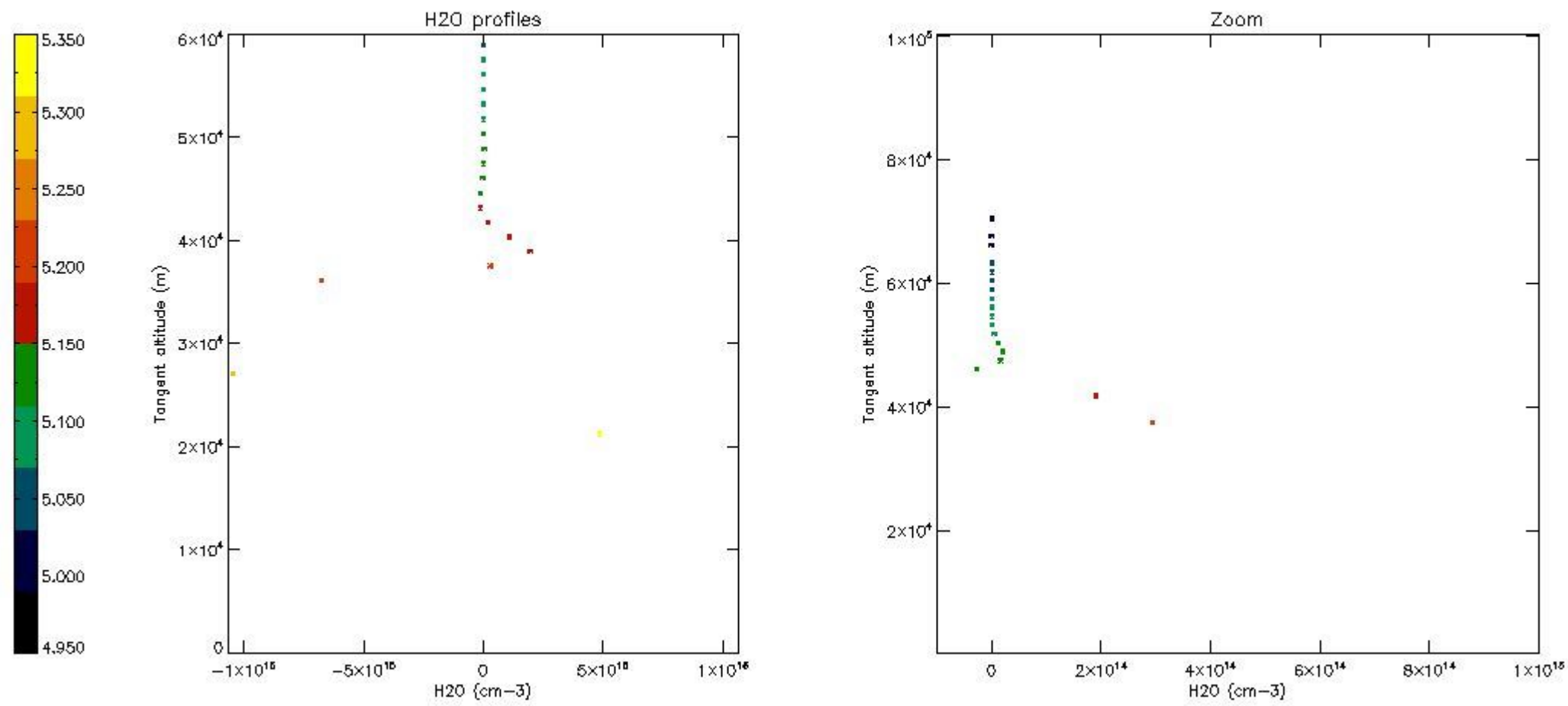
5.7 Plot NO3 profiles for all STD (dark without errors)

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)

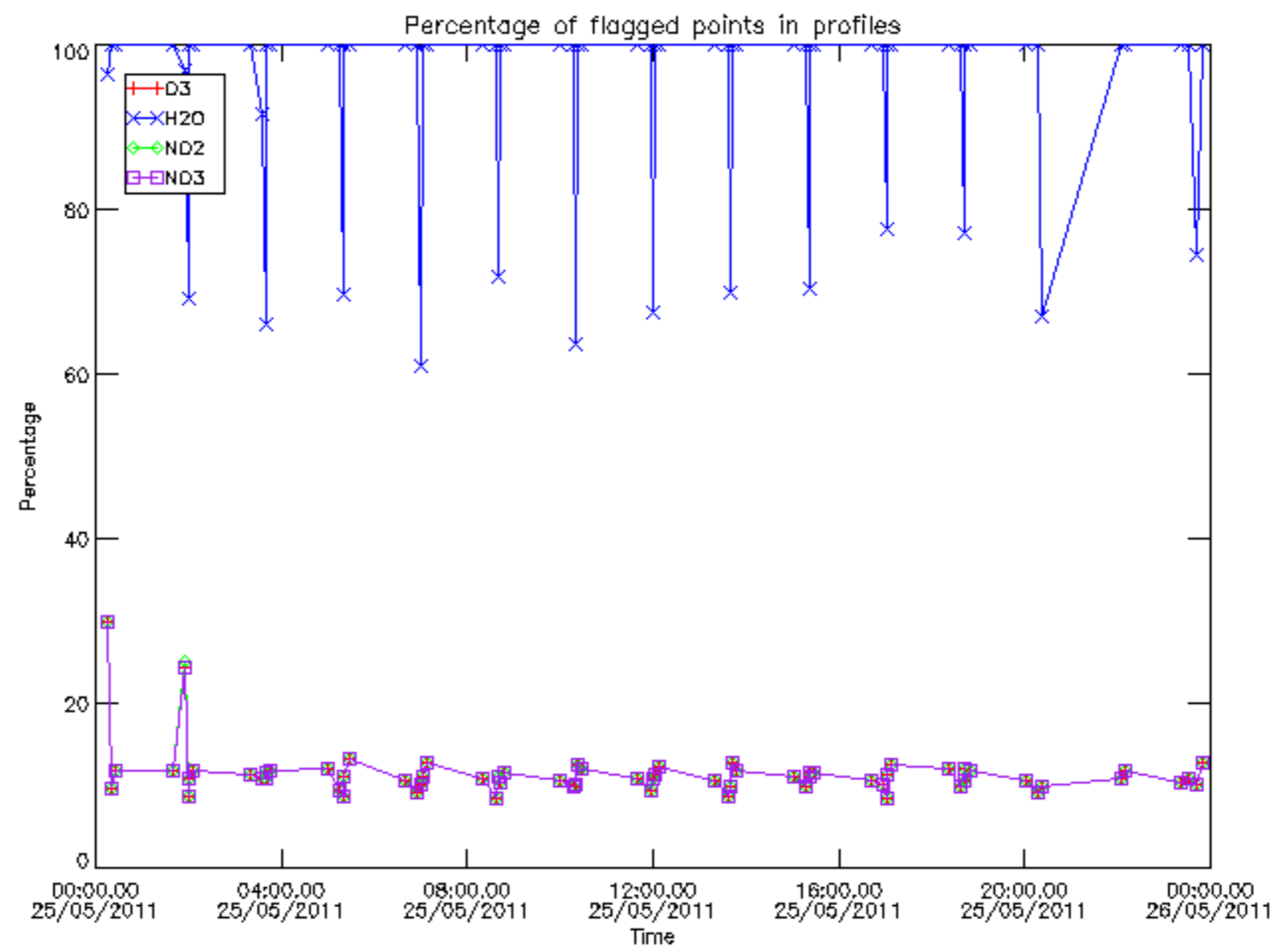
The colorbar represents the latitude.



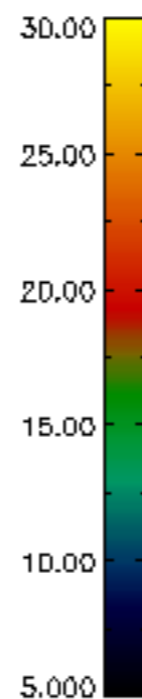
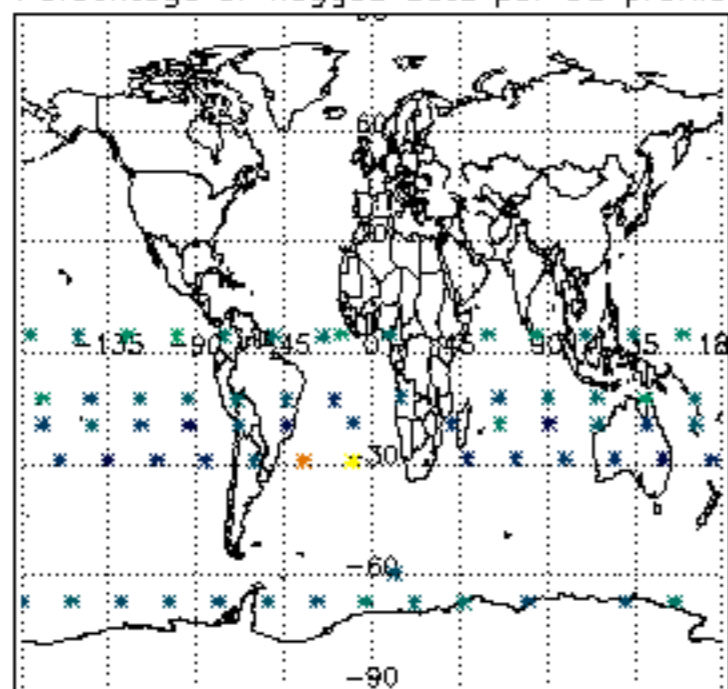
6. Auxiliary Data Files used for the production reported in section 2

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.

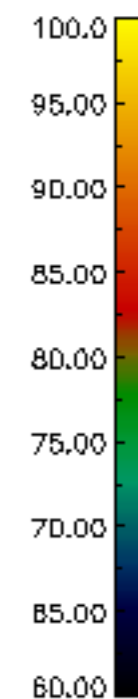
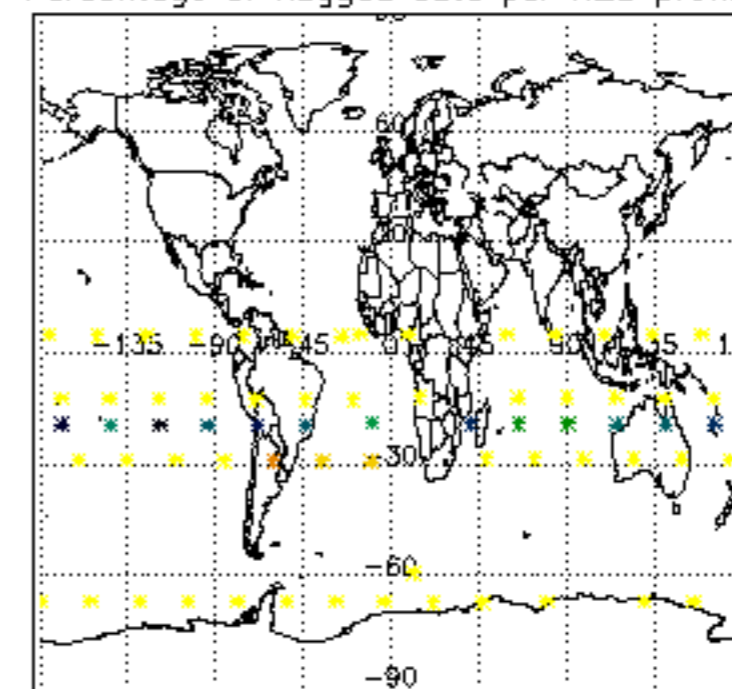
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	25-MAY-2011 00:15:13
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	25-MAY-2011 00:15:13
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	25-MAY-2011 00:15:13



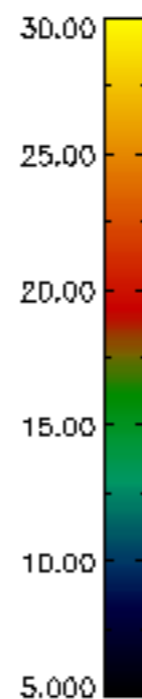
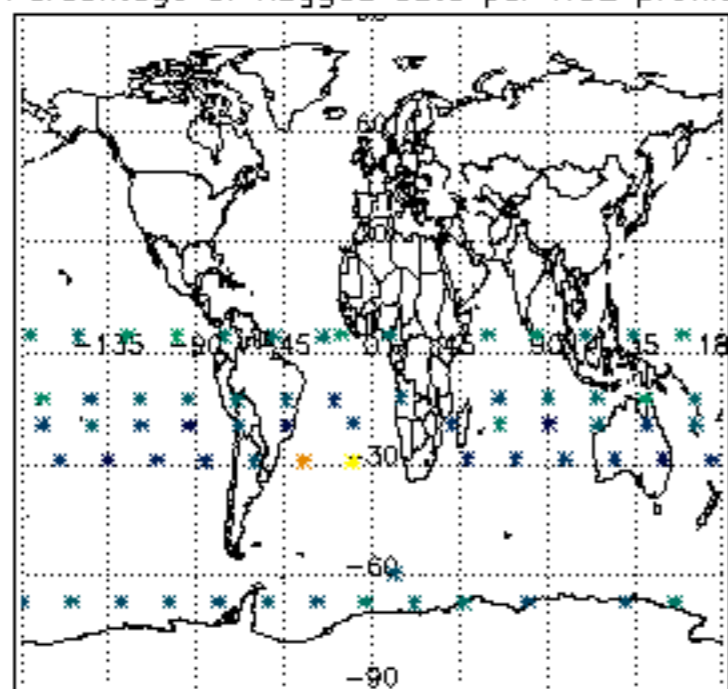
Percentage of flagged data per D3 profile



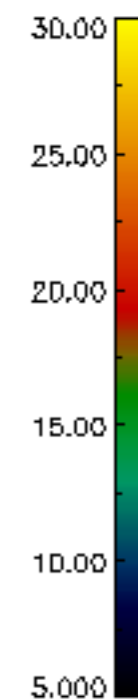
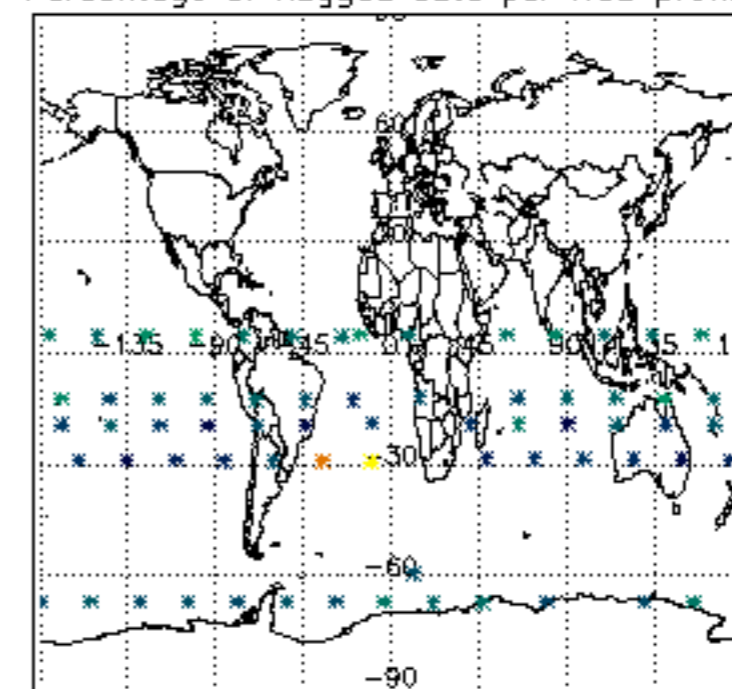
Percentage of flagged data per H2O profile

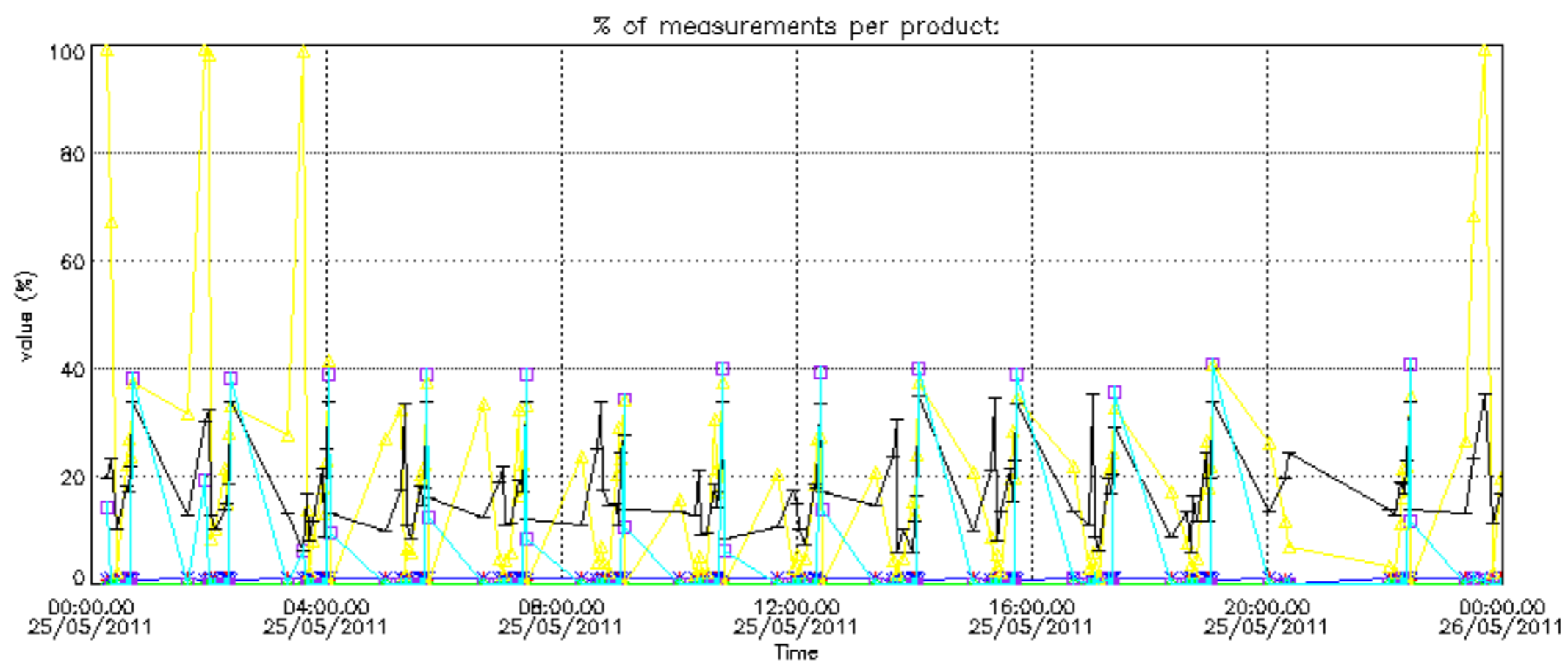


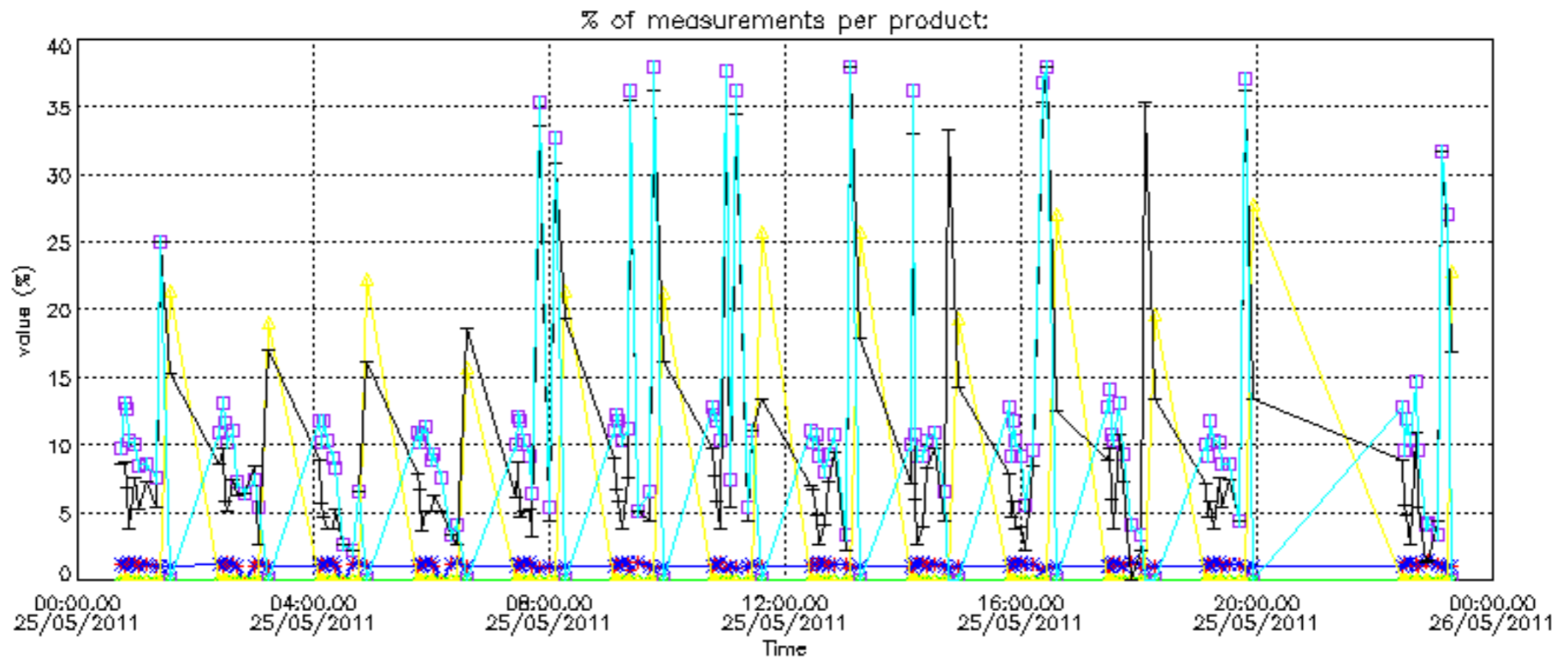
Percentage of flagged data per NO2 profile



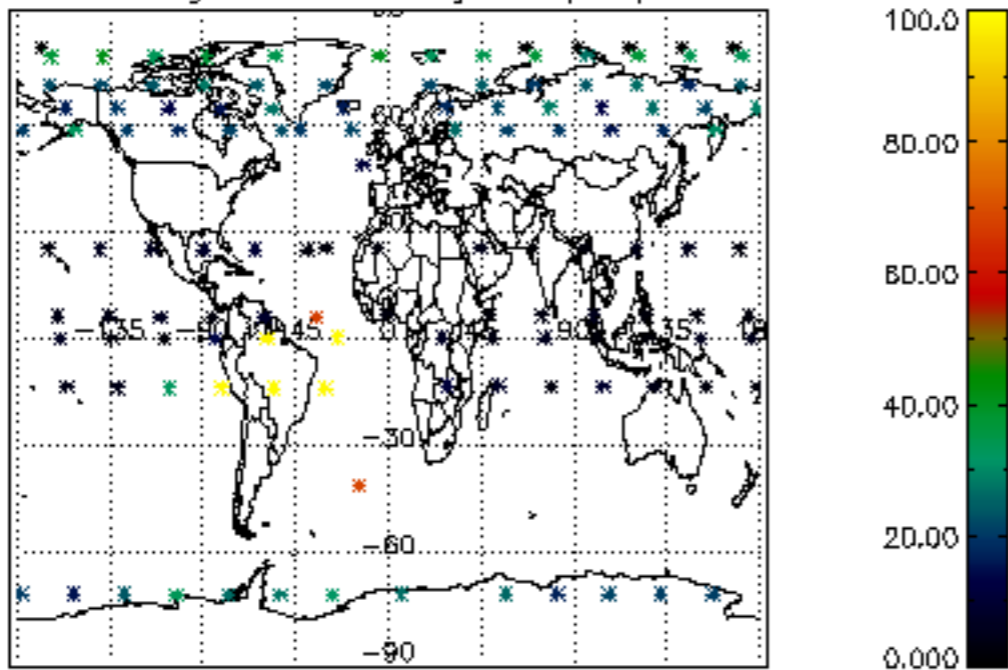
Percentage of flagged data per NO3 profile



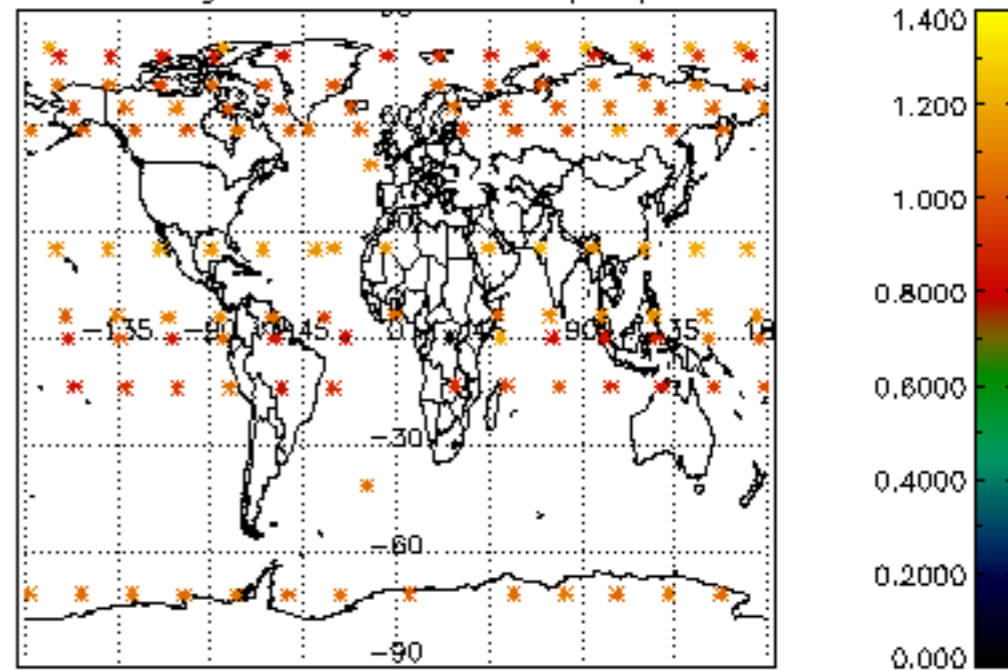




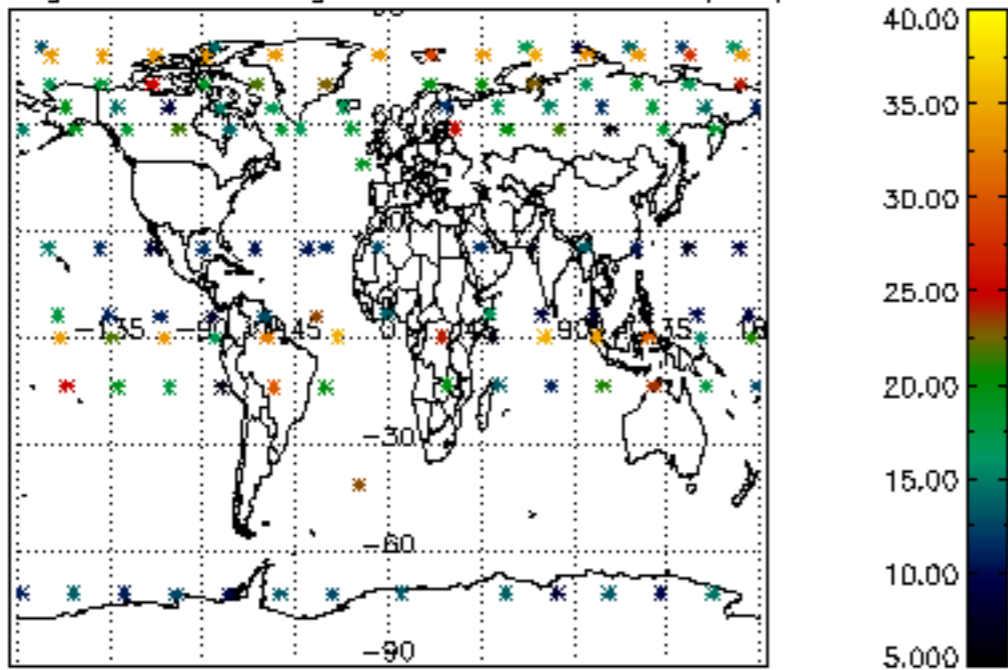
Percentage of cosmic ray hits per profile



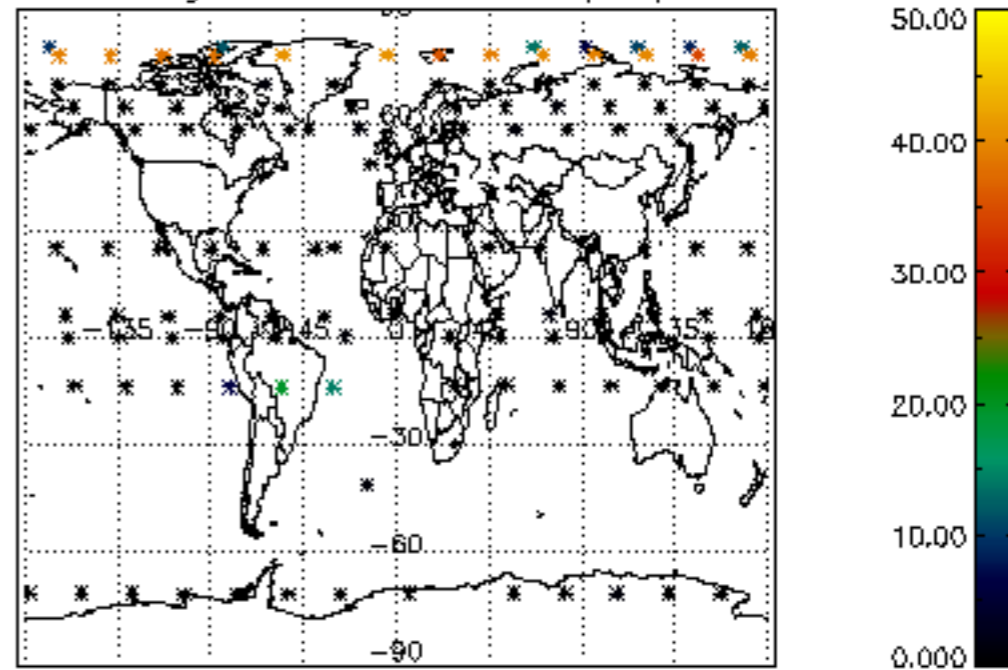
Percentage of datation errors per profile



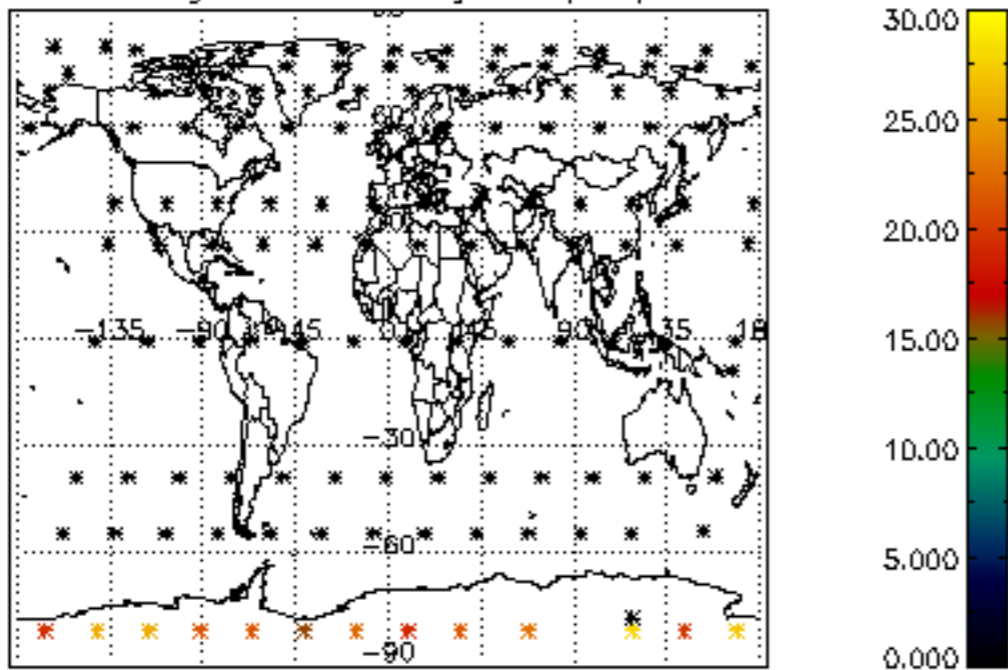
Percentage of star falling outside central band per profile



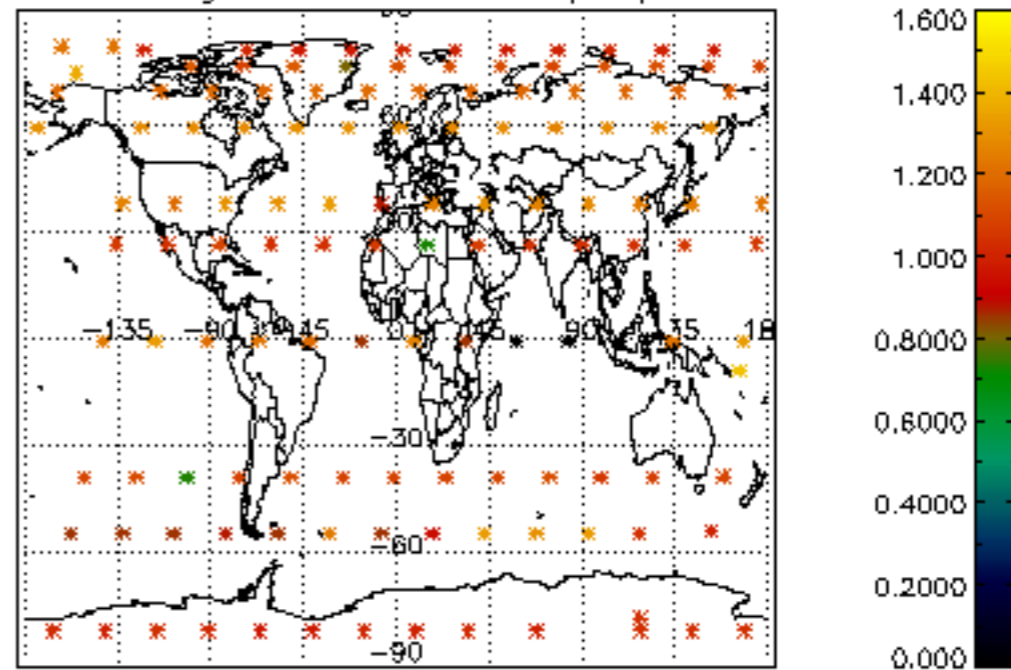
Percentage of saturation errors per profile



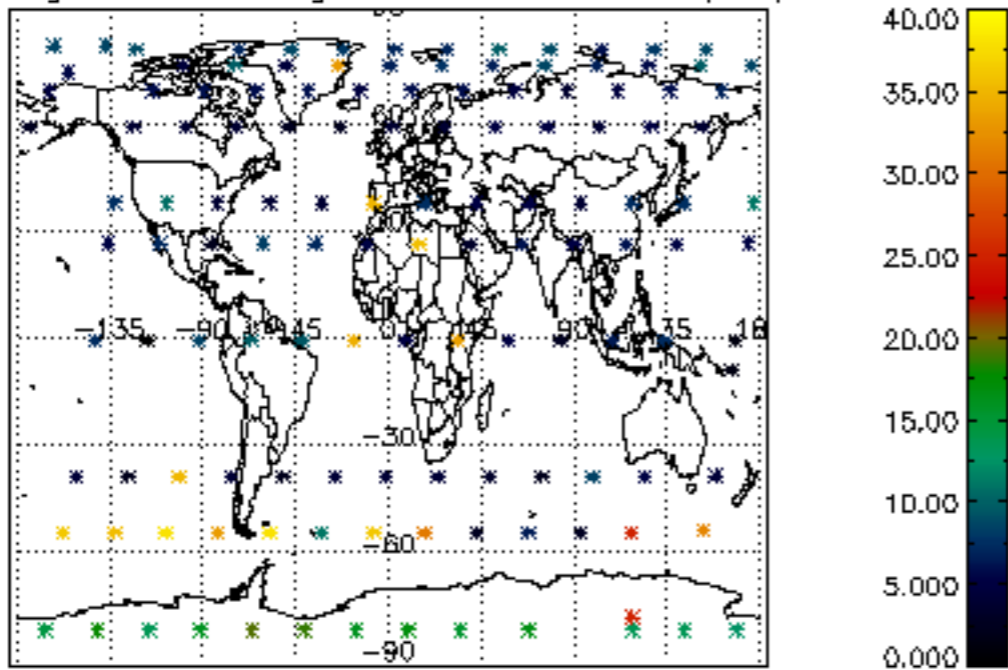
Percentage of cosmic ray hits per profile



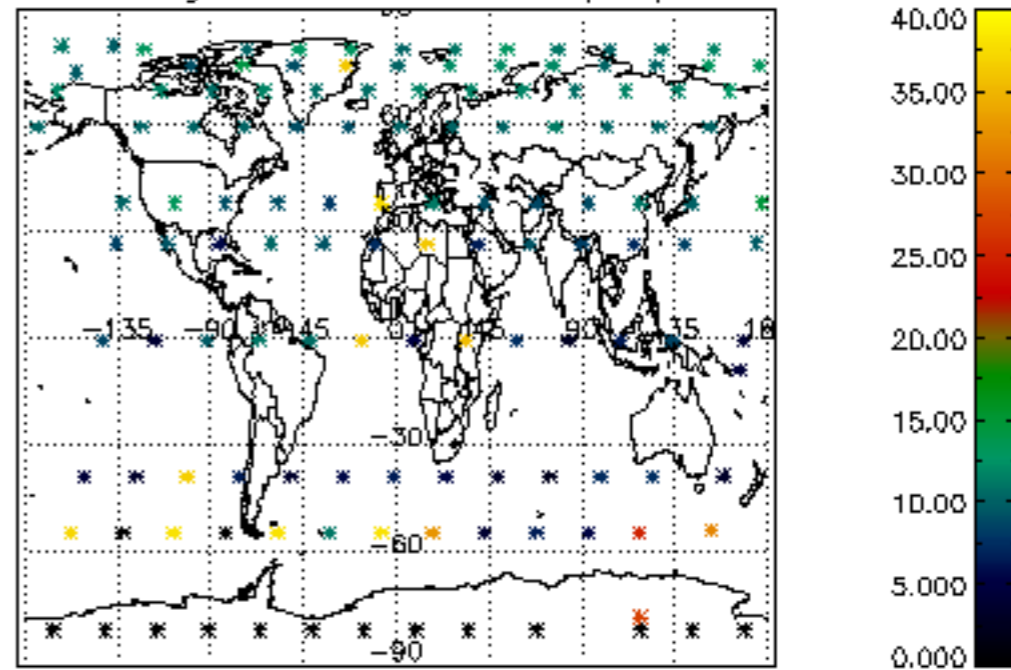
Percentage of datation errors per profile

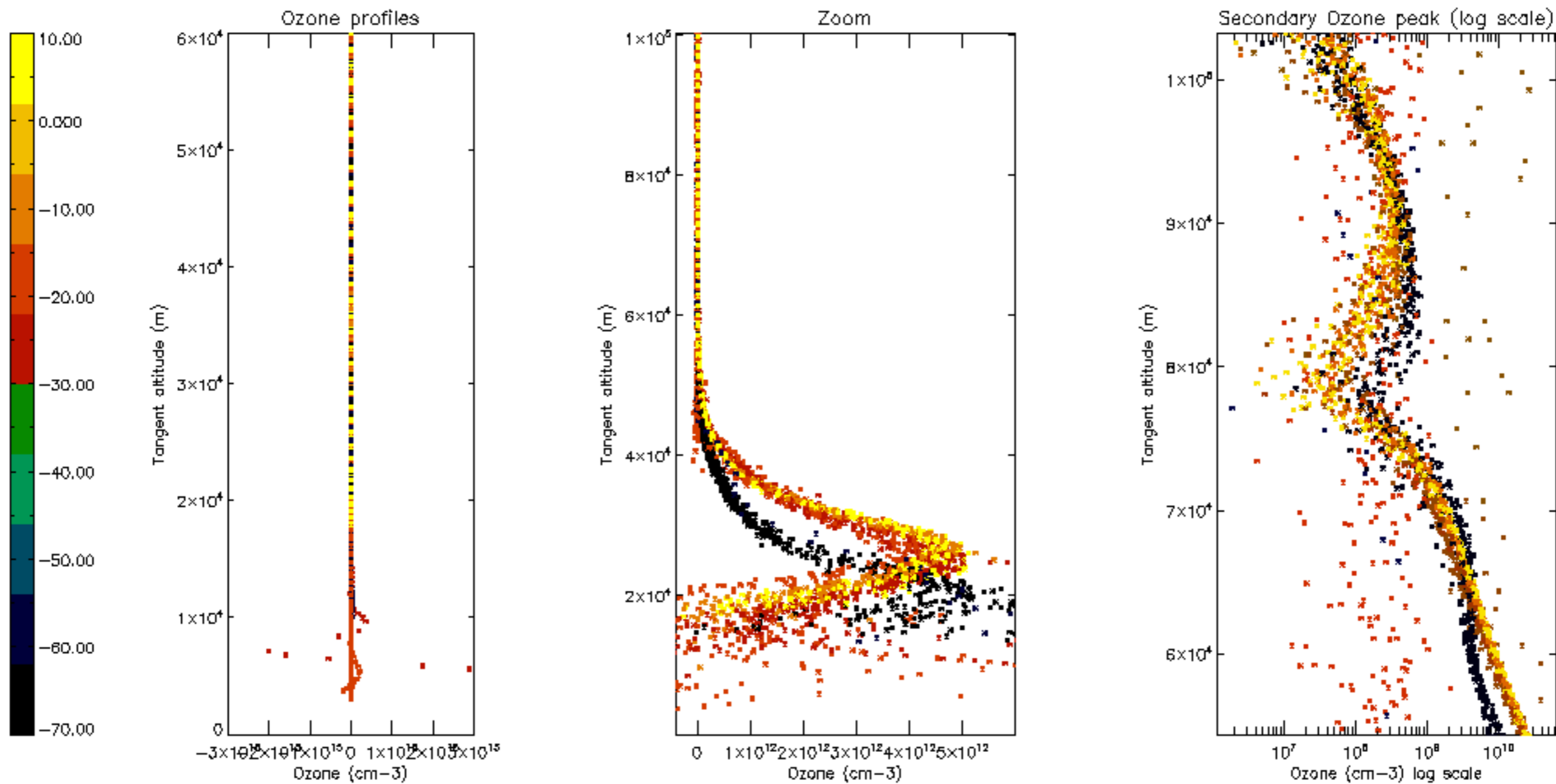


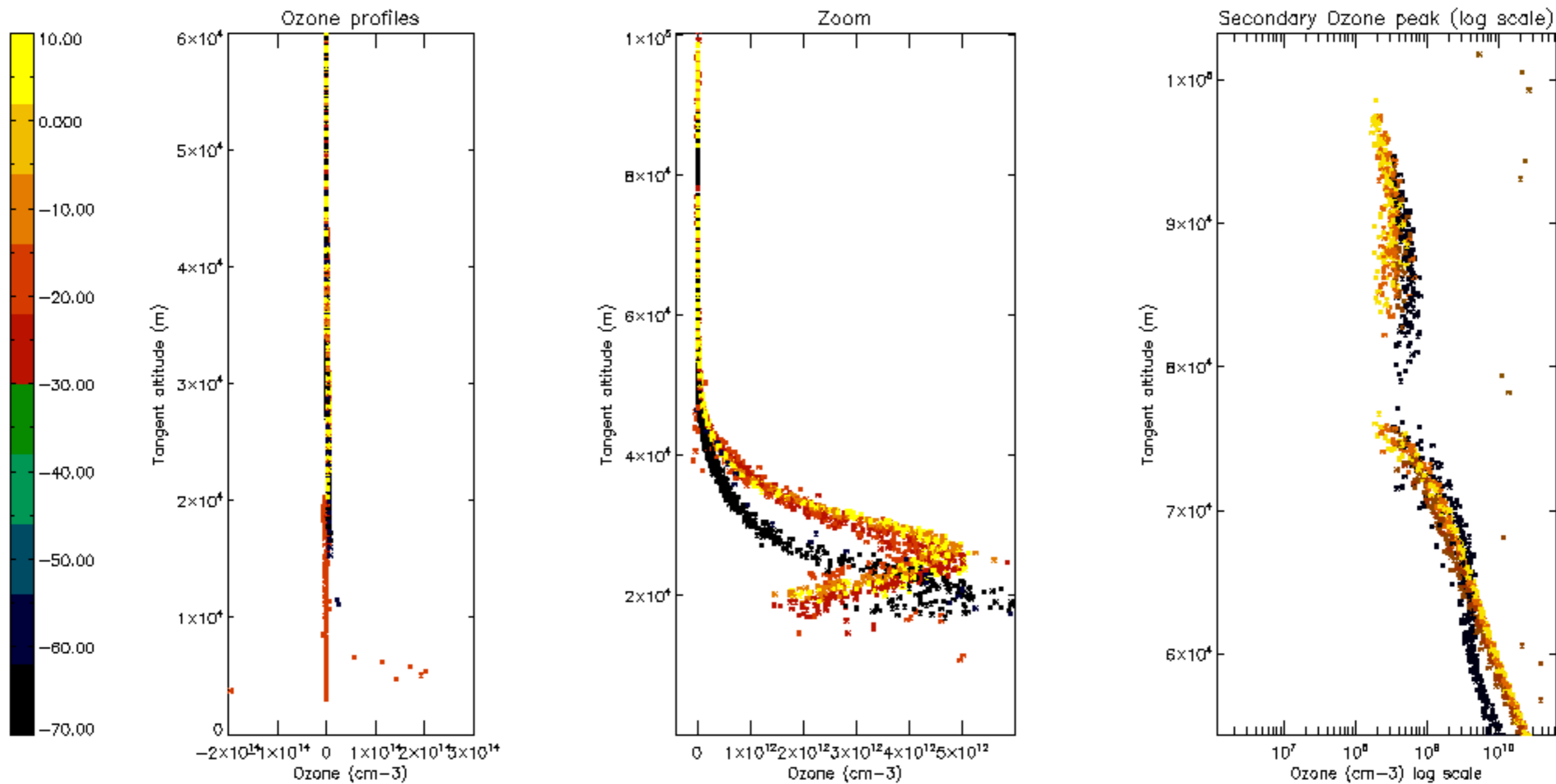
Percentage of star falling outside central band per profile

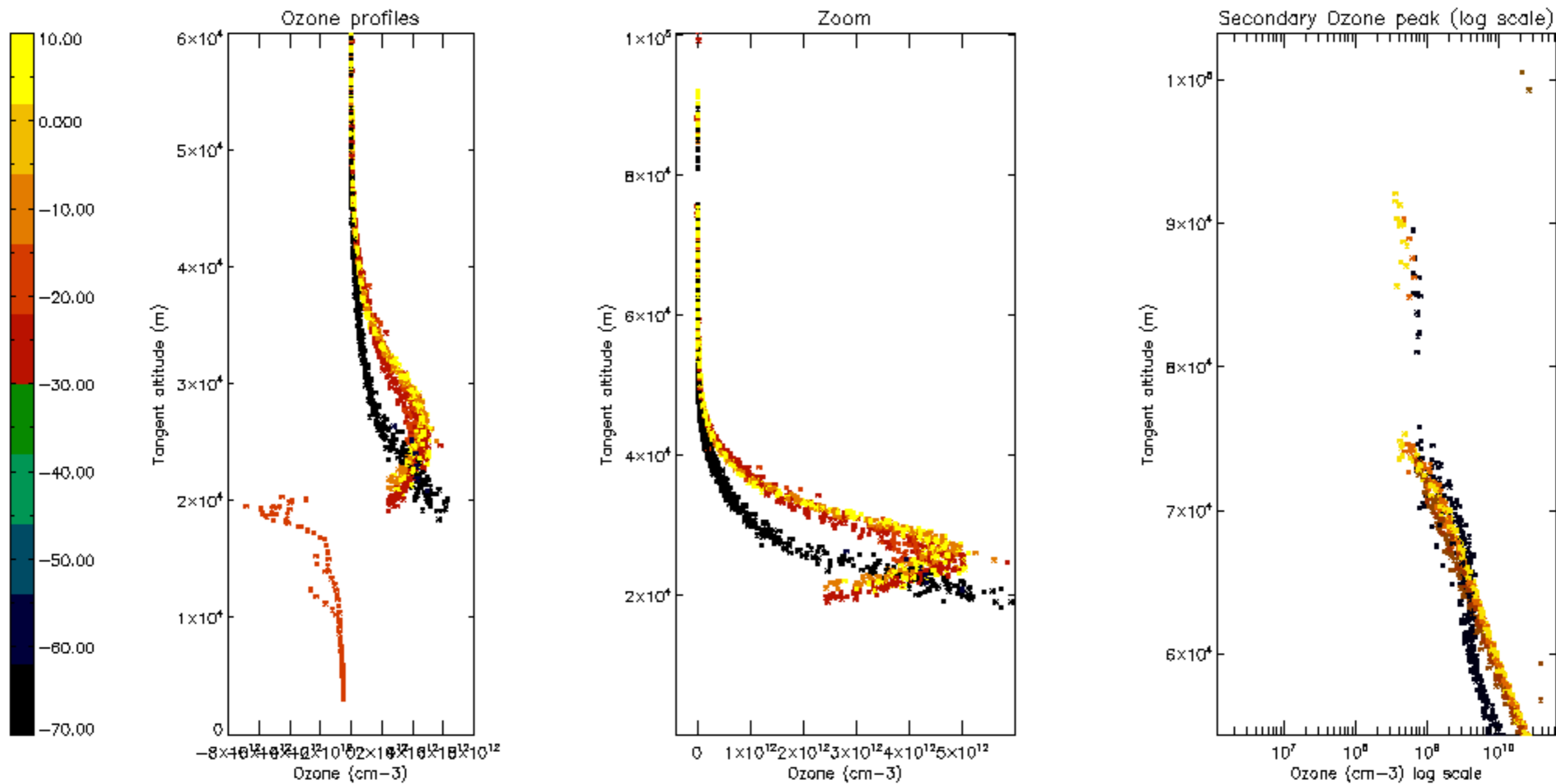


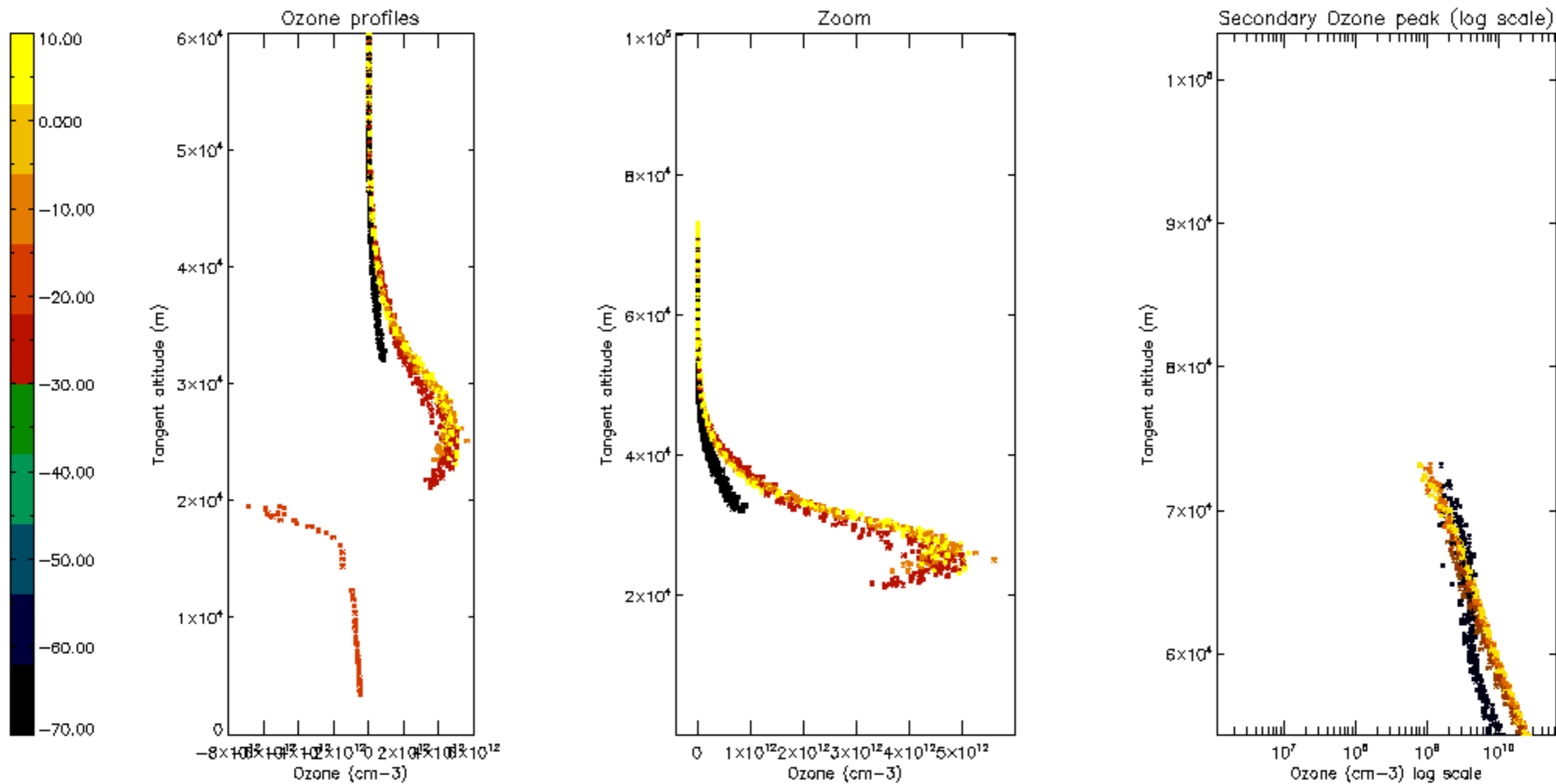
Percentage of saturation errors per profile

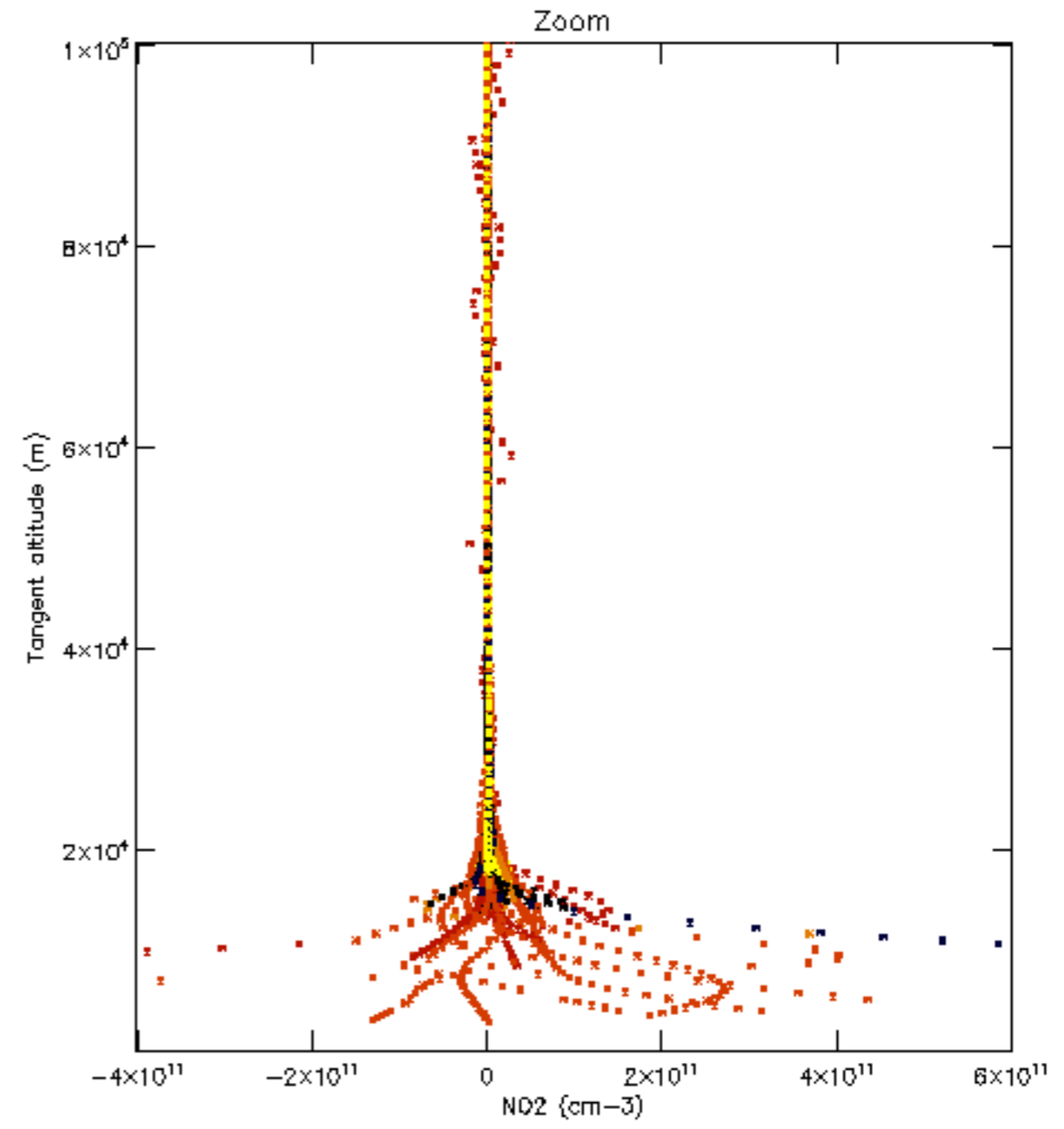
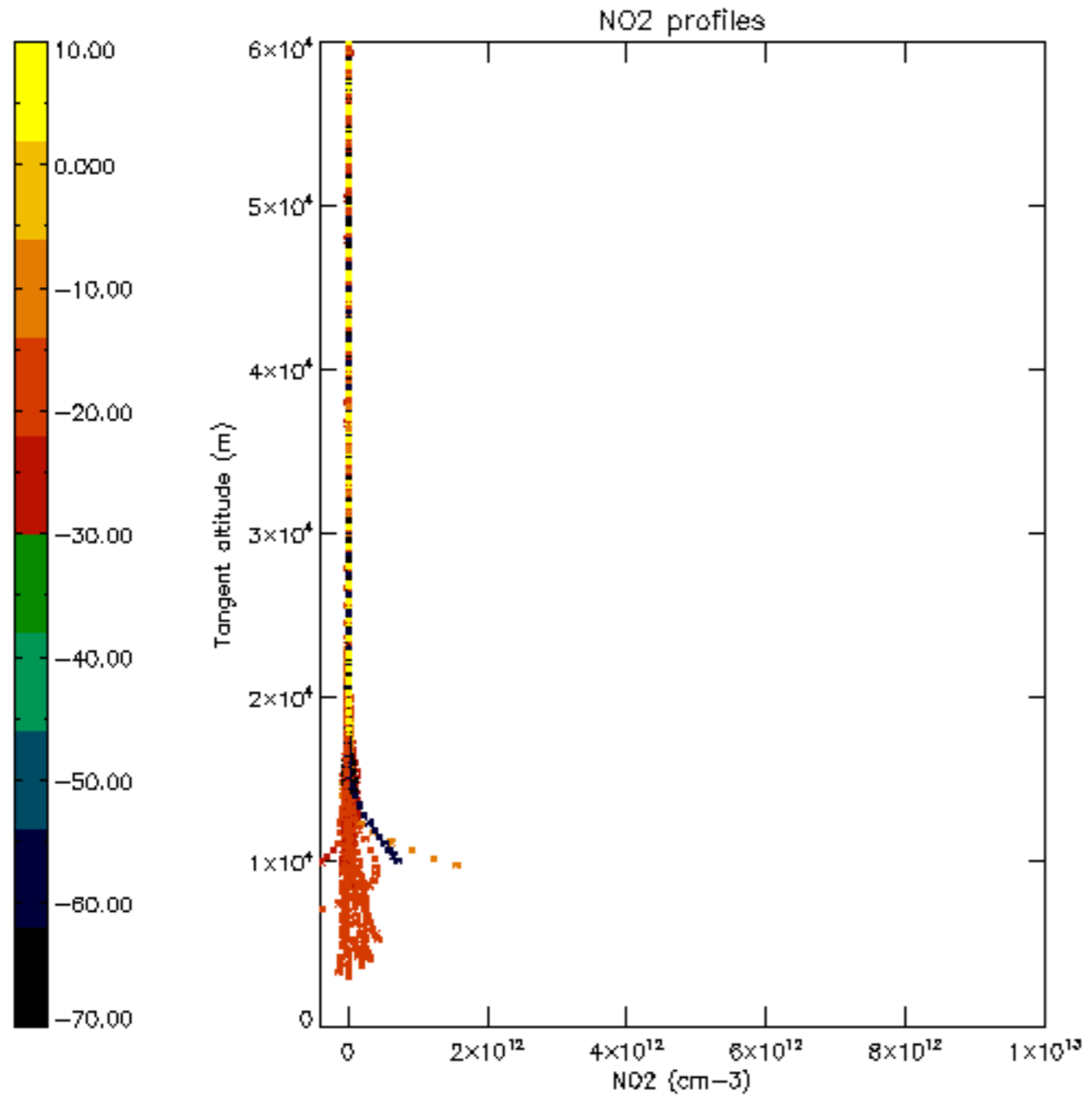


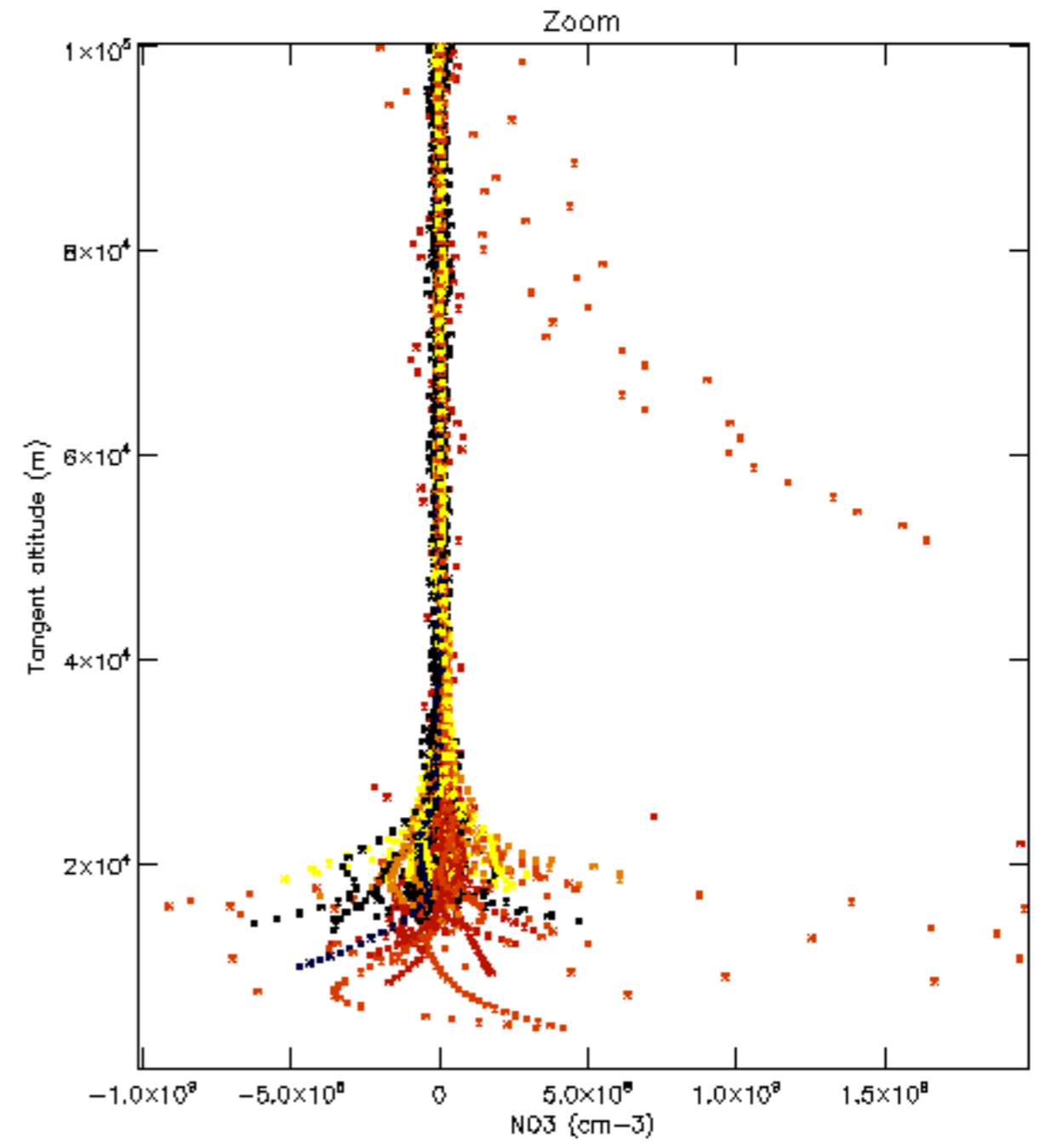
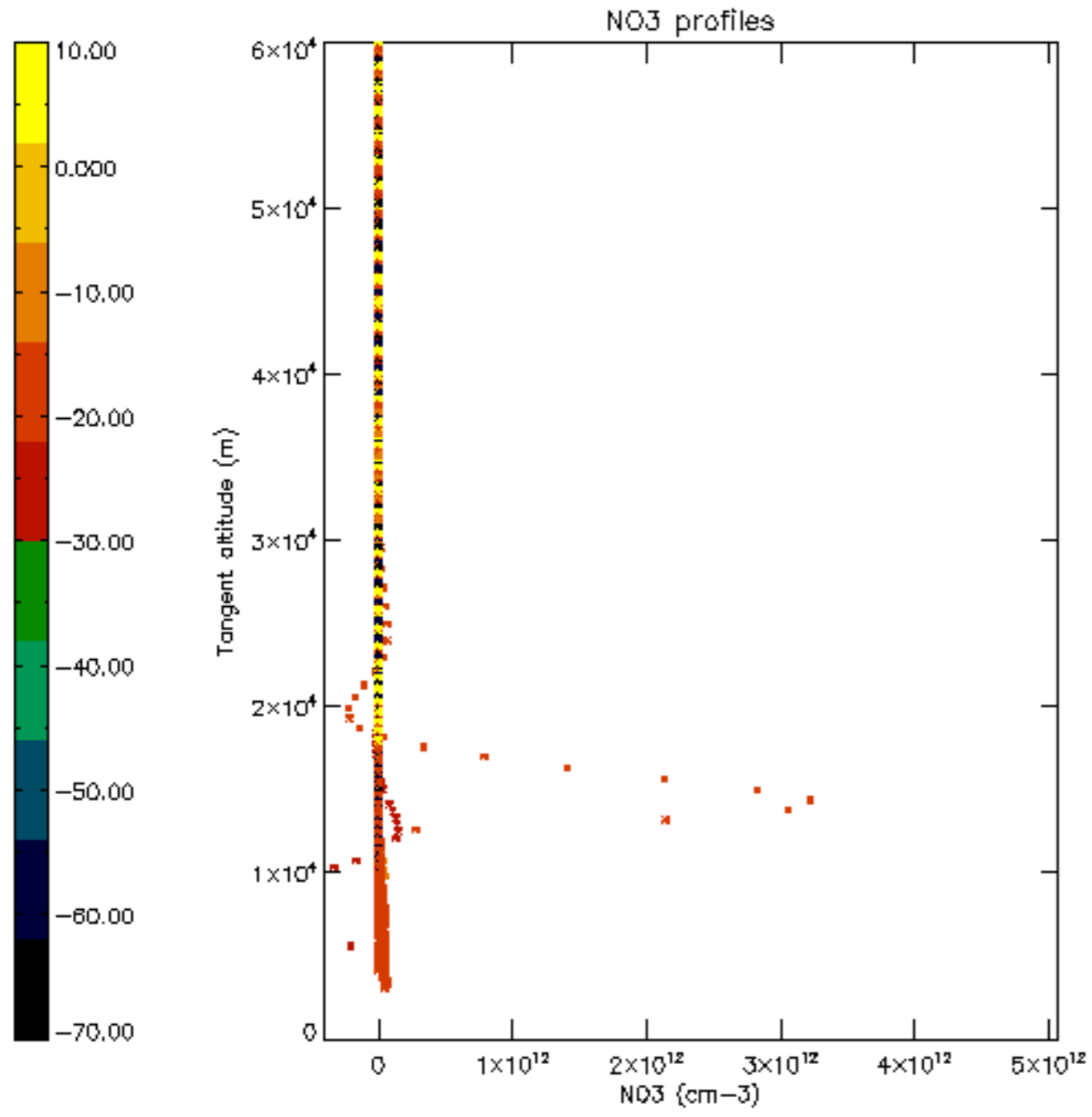


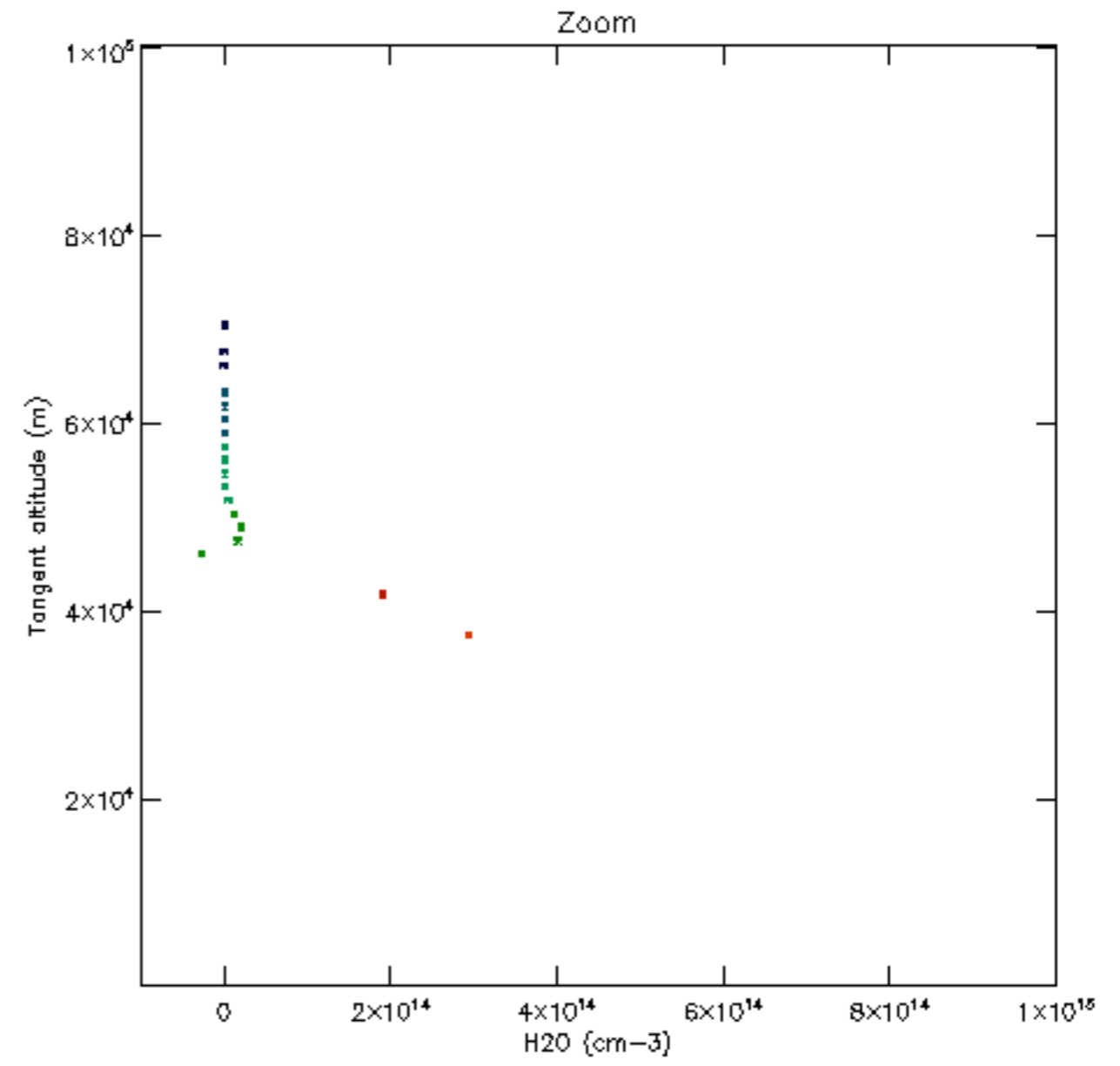
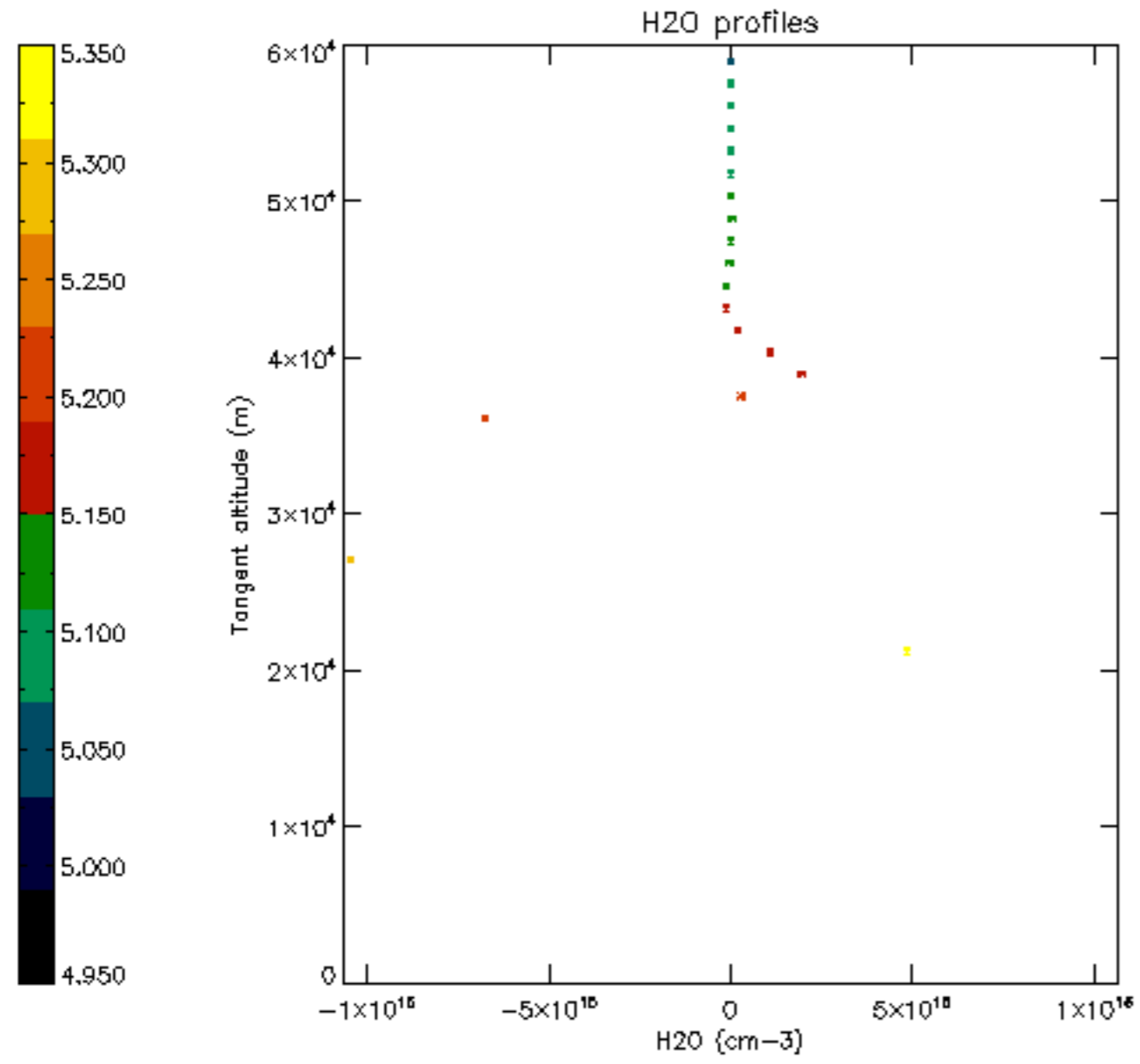


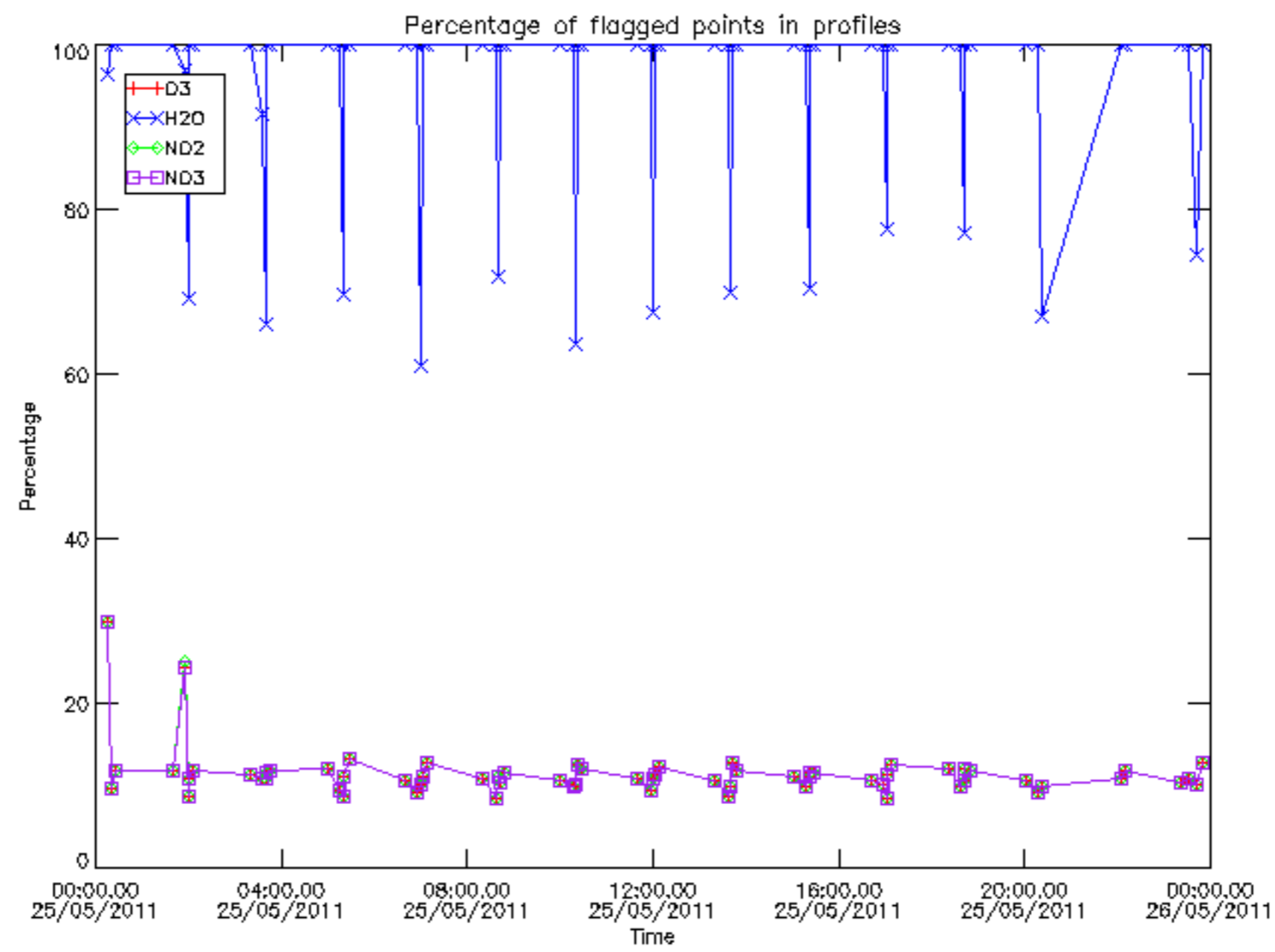




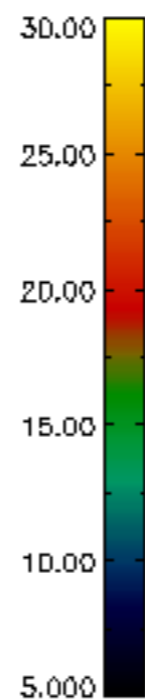
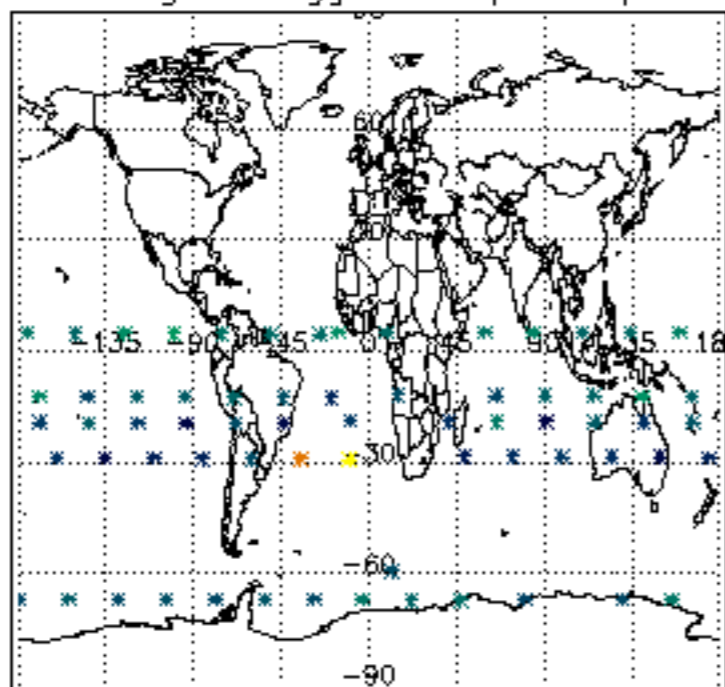




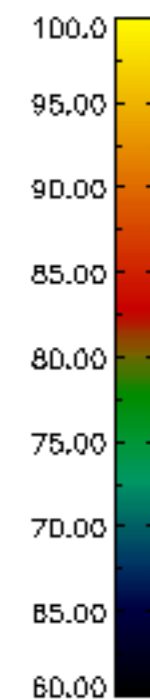
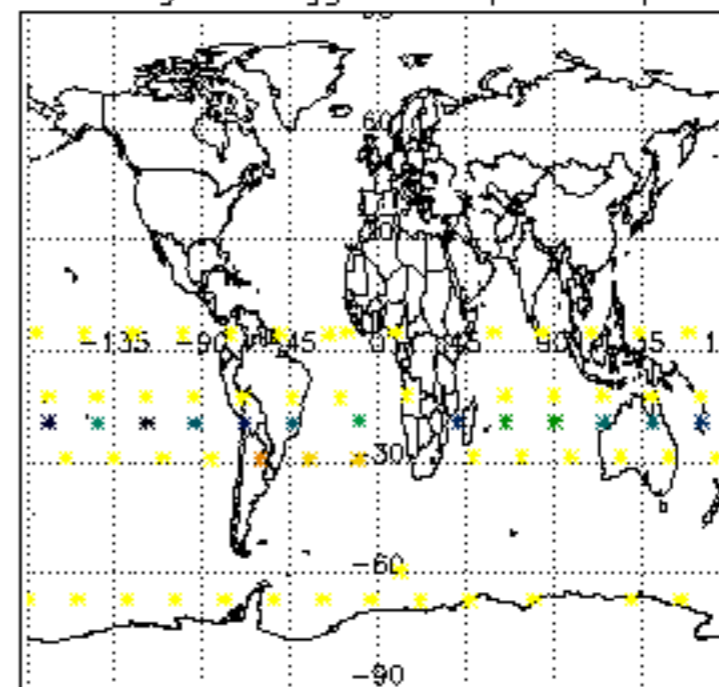




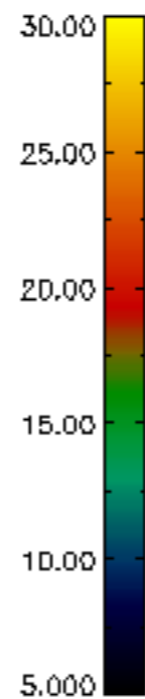
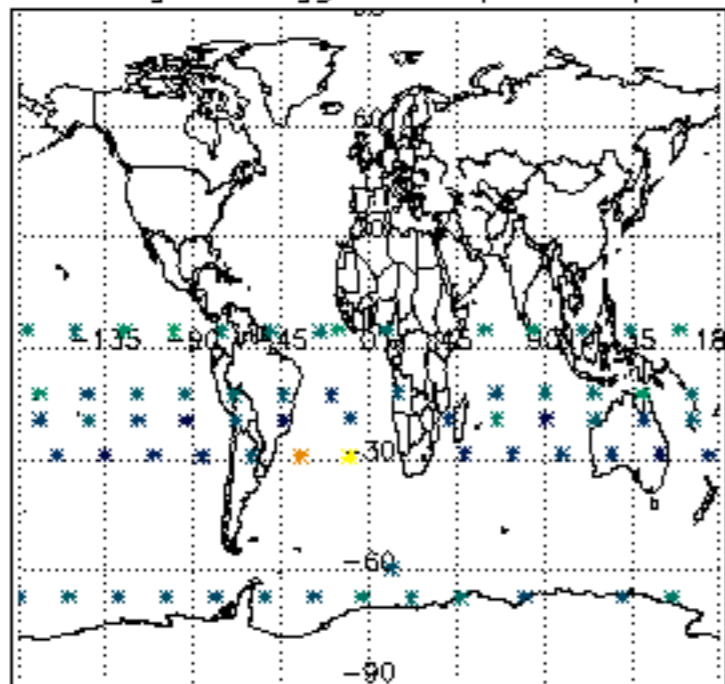
Percentage of flagged data per D3 profile



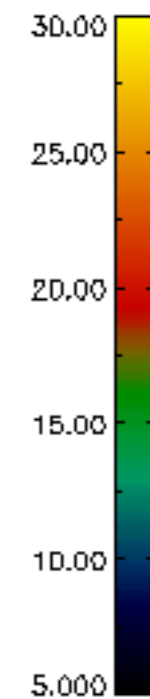
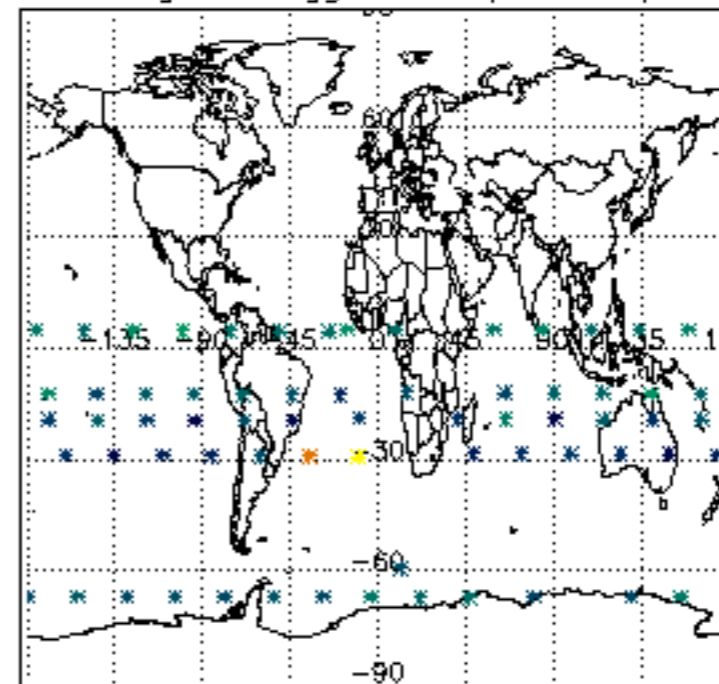
Percentage of flagged data per H2O profile

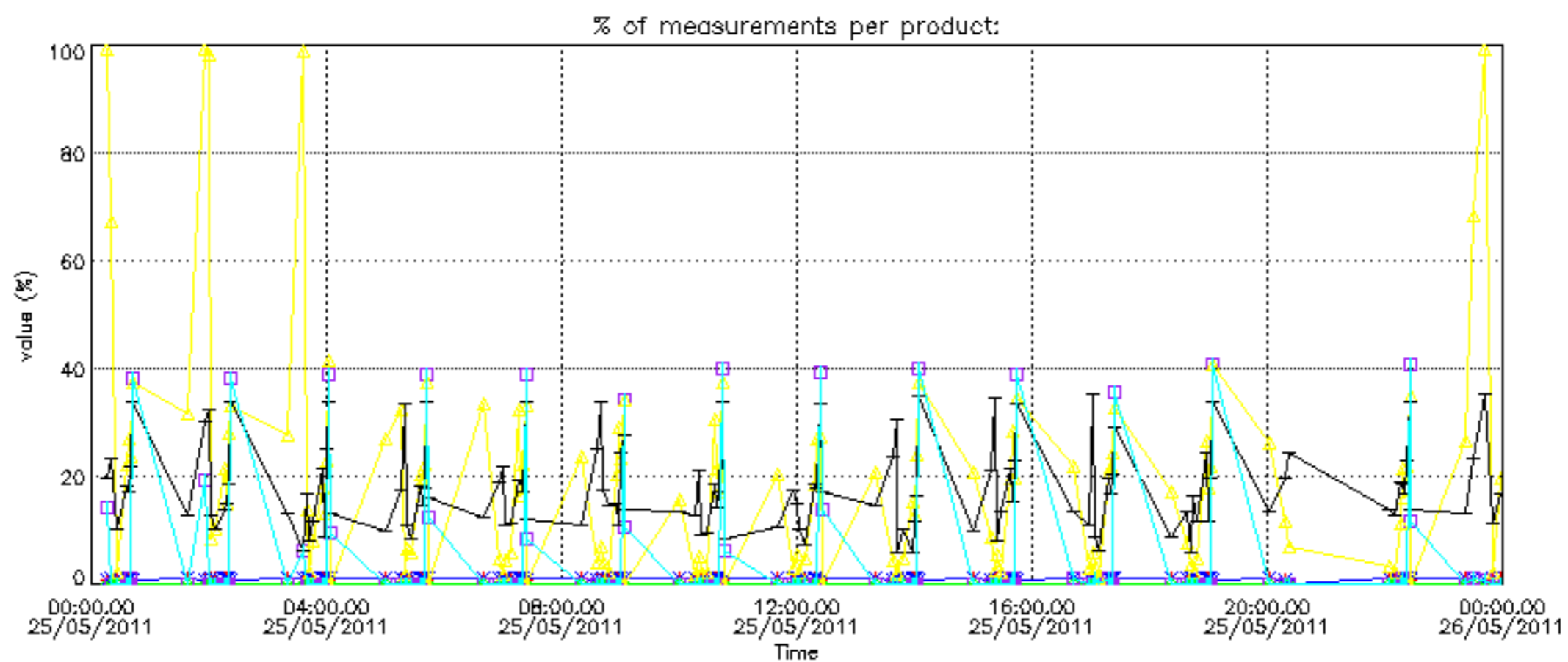
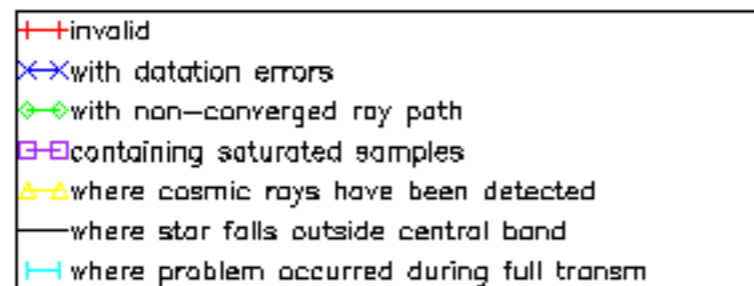


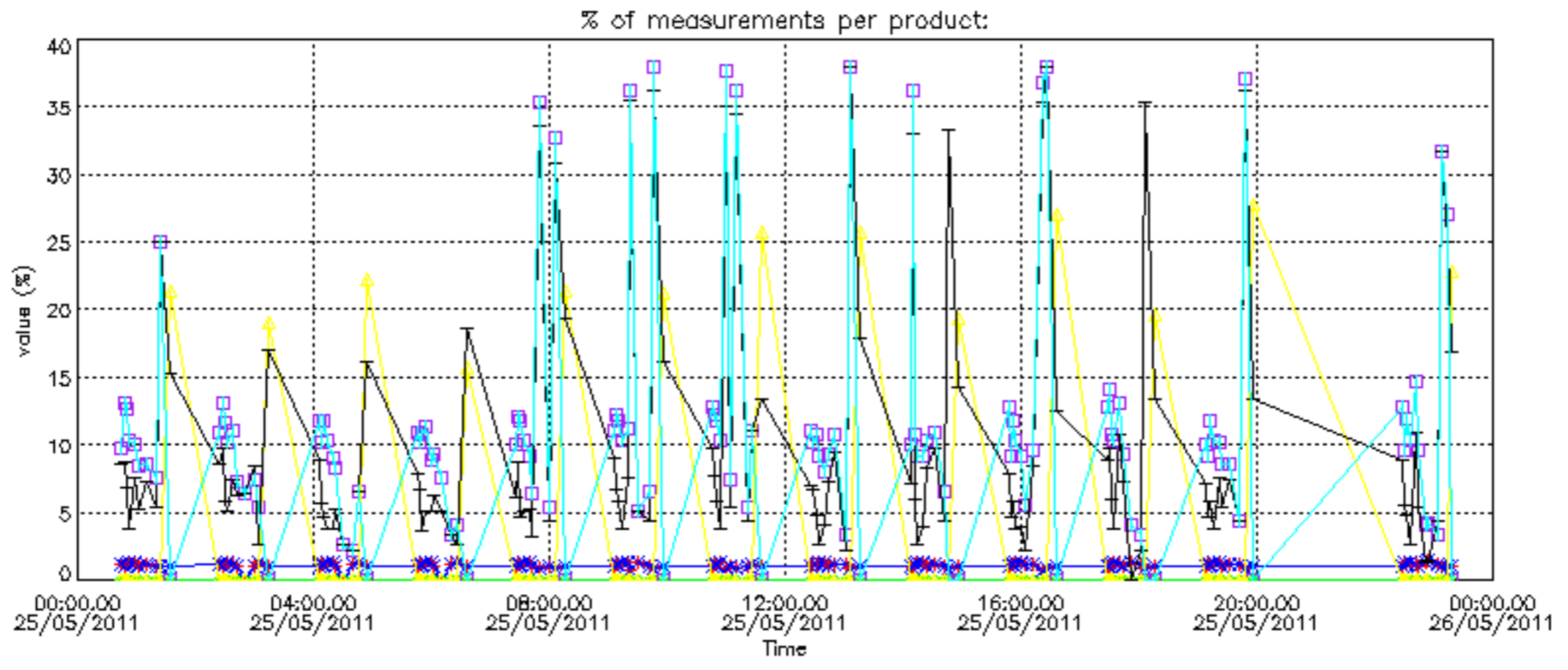
Percentage of flagged data per NO2 profile



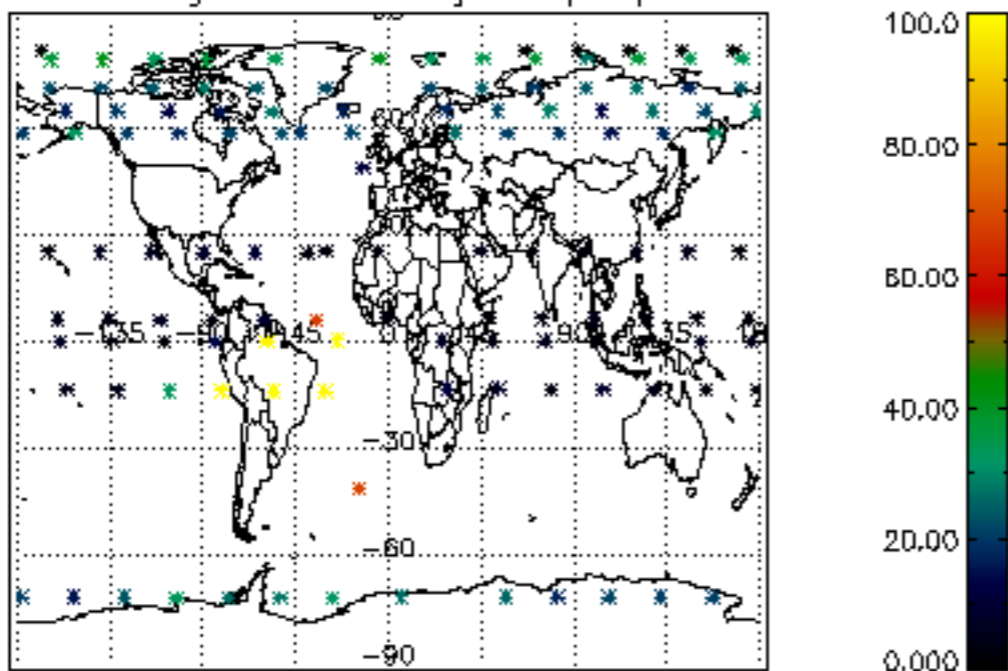
Percentage of flagged data per NO3 profile



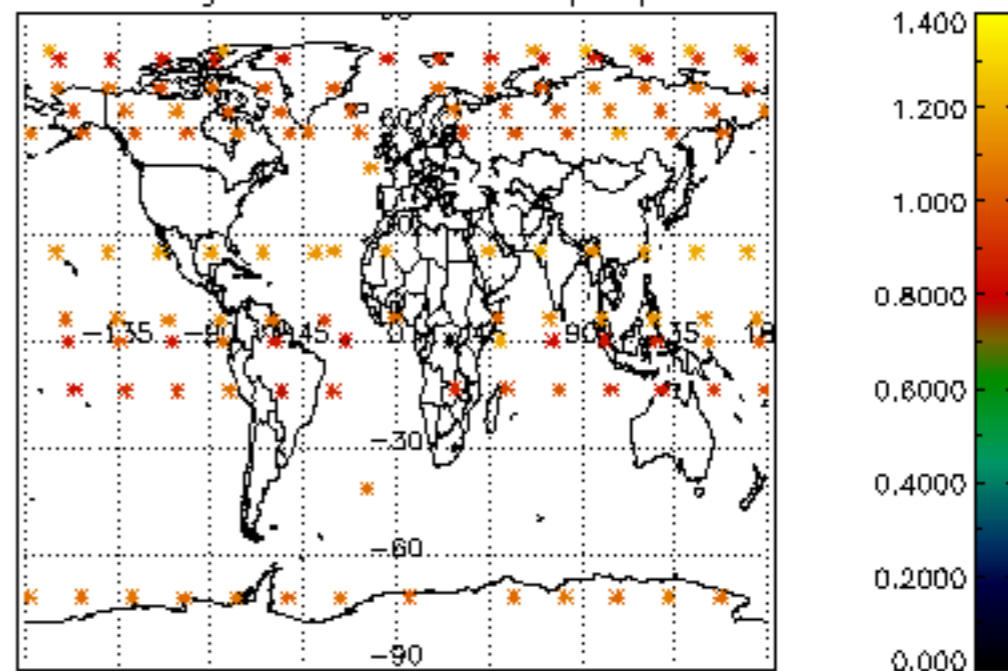




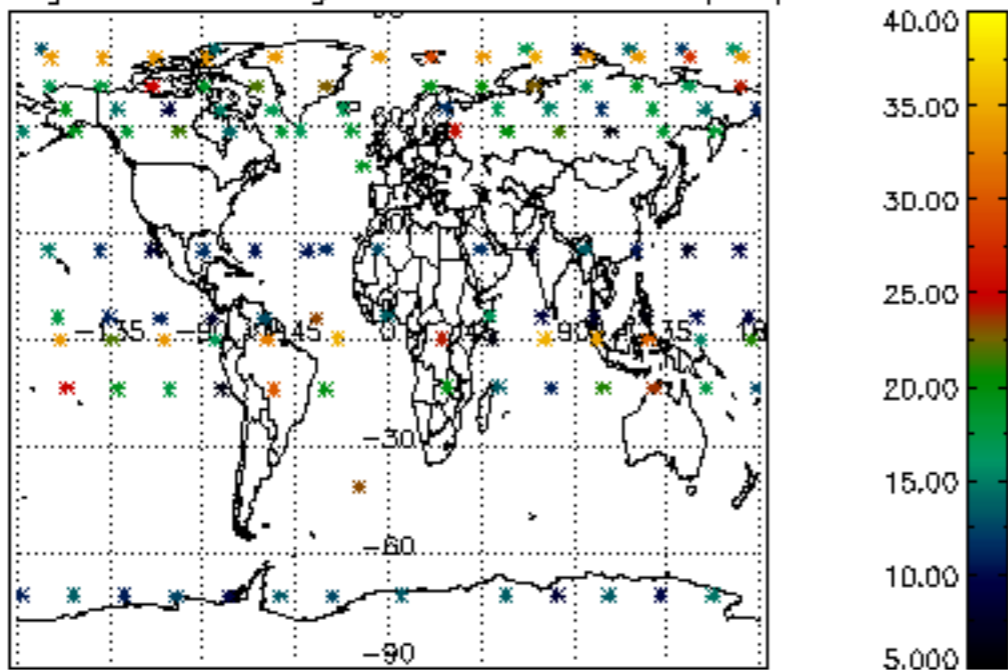
Percentage of cosmic ray hits per profile



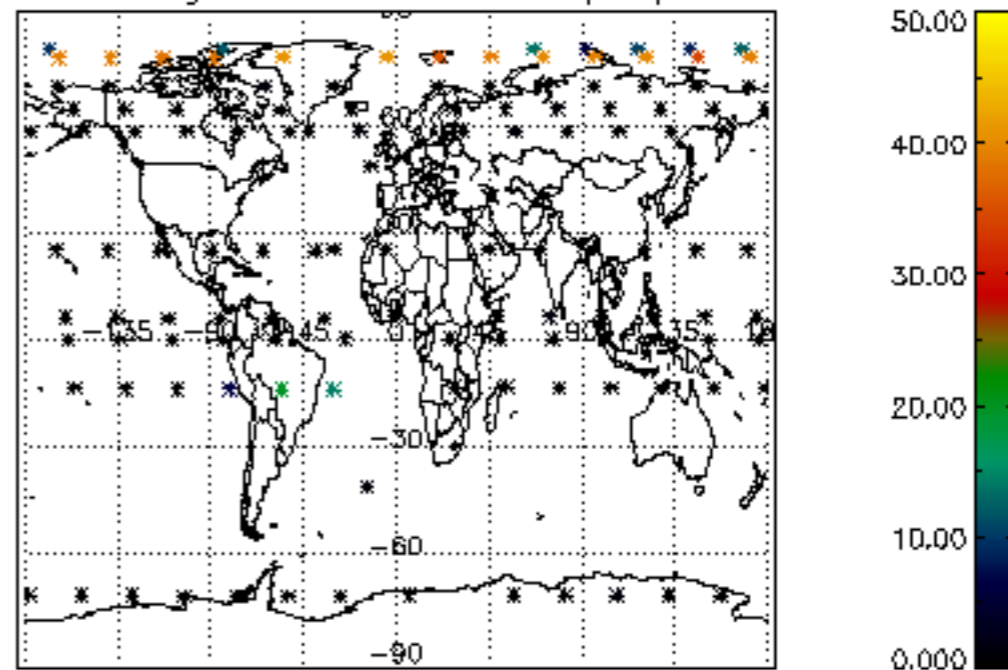
Percentage of datation errors per profile



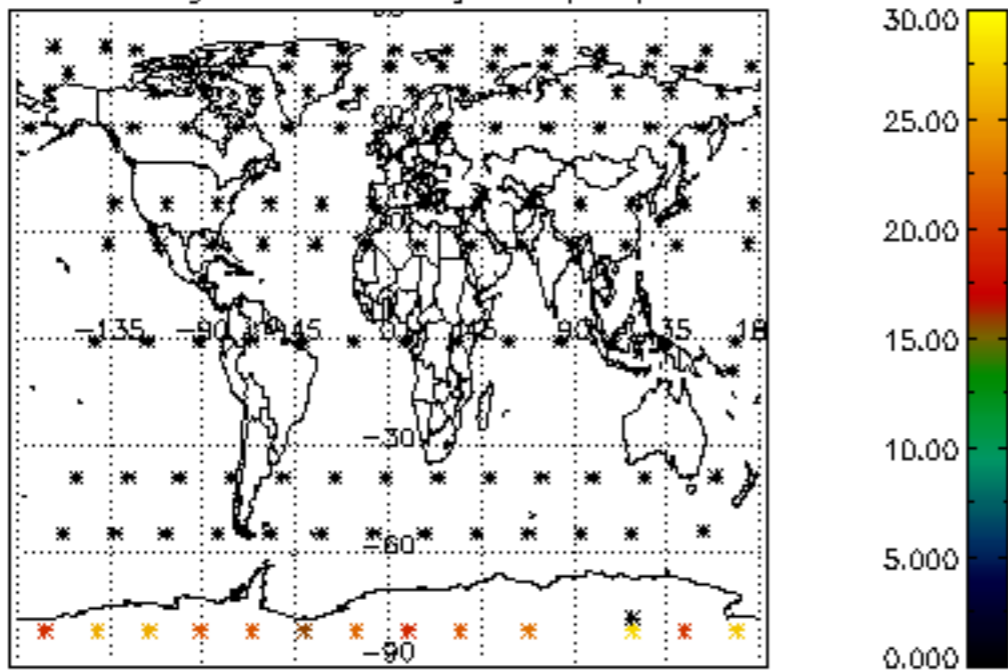
Percentage of star falling outside central band per profile



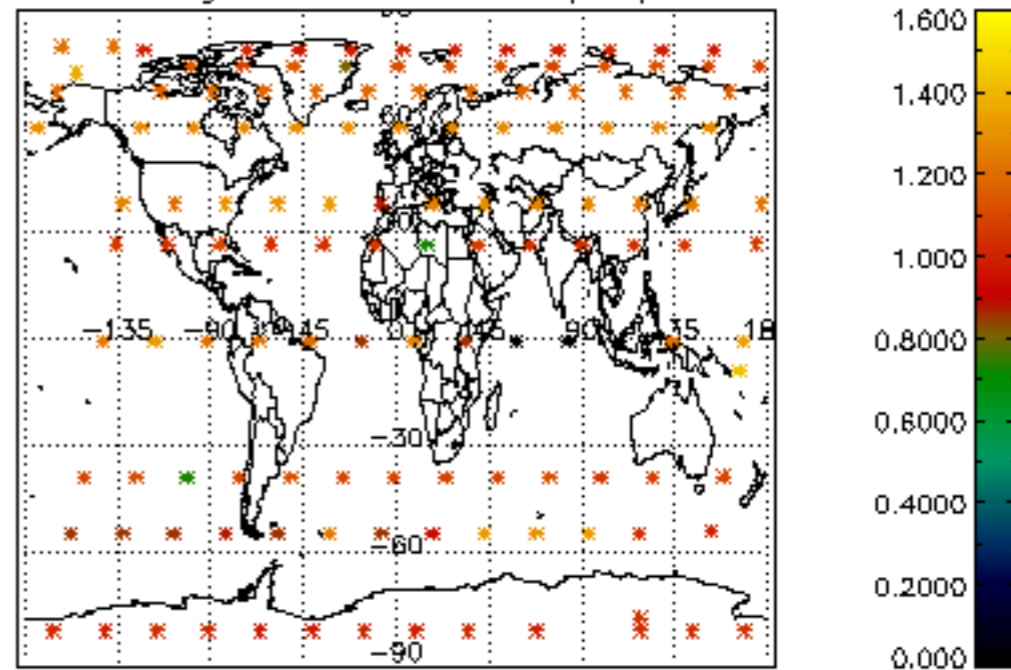
Percentage of saturation errors per profile



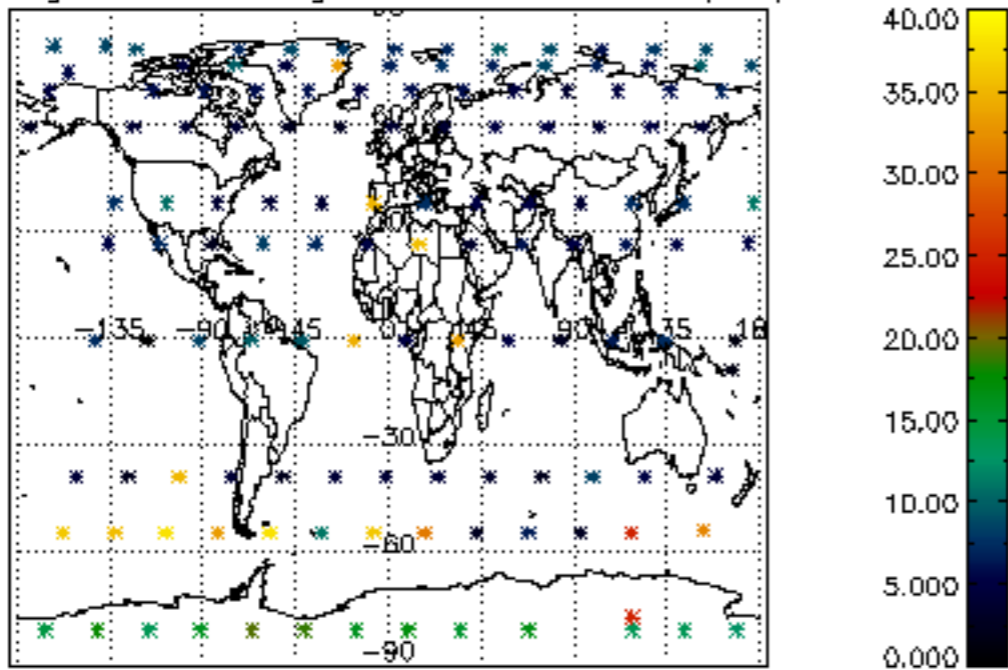
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

