

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	18APR2013 09:52:51
Data source version	GOMOS/6.01
Start time of products	27-06-2005 (27JUN2005 00:00:00)
Stop time of products	28-06-2005 (28JUN2005 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	83
Nb of prods with errors	1

2. Summary of processed GOM_NL__2P products.

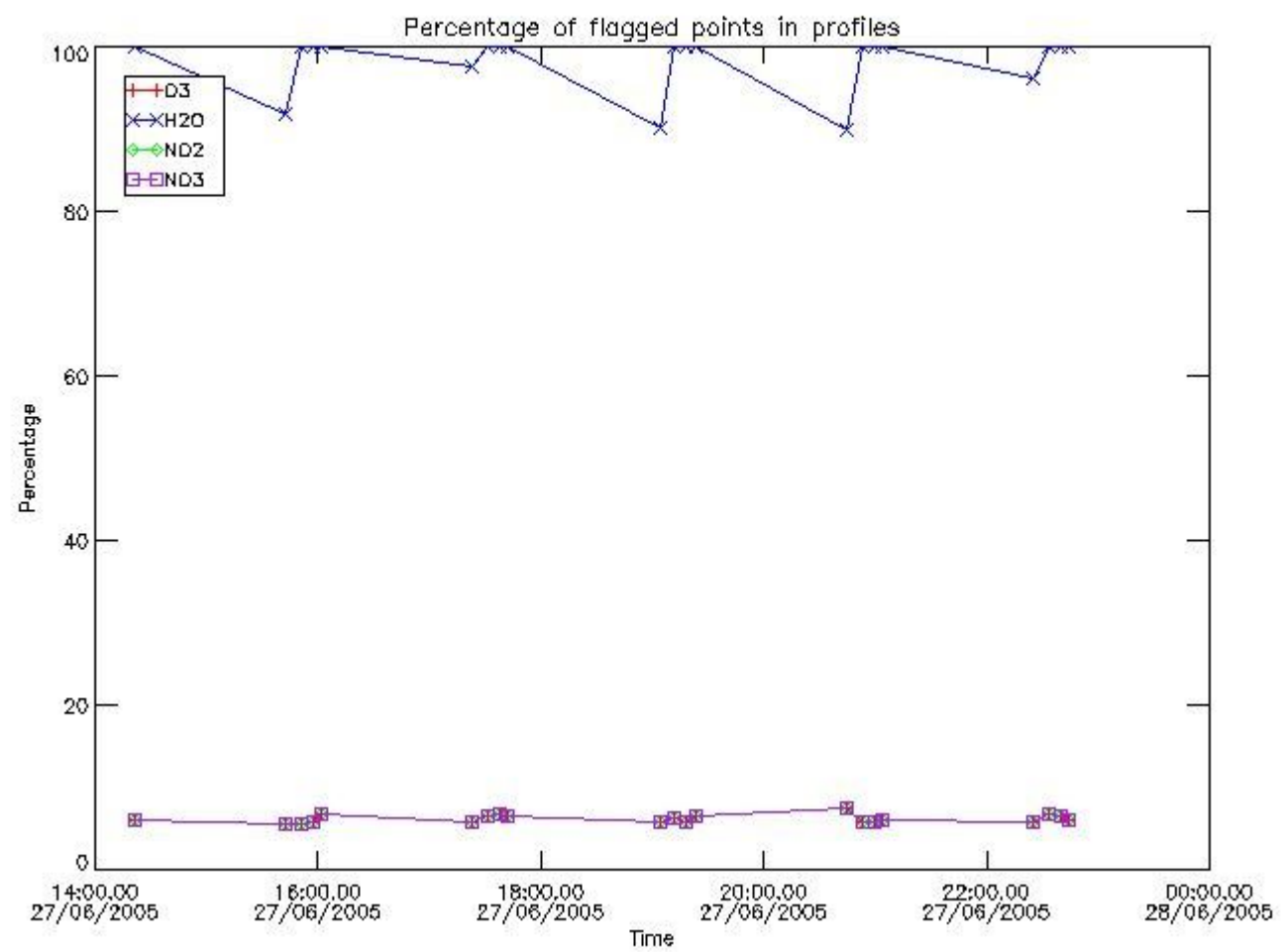
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20050627_142116_000000862038_00297_17385_4743.N1	27-JUN-2005 14:21:16	Dark	86.000	135	Bet Hyi	2.8200	5800.0	172	17385	No
2	GOM_NL__2PRFIN20050627_142855_000000902038_00297_17385_4744.N1	27-JUN-2005 14:28:55	Straylight	89.500	43	Alp TrA	1.9100	4250.0	179	17385	No
3	GOM_NL__2PRFIN20050627_143217_000000922038_00297_17385_4745.N1	27-JUN-2005 14:32:17	Straylight	92.000	141	Bet Ara	2.8400	4600.0	184	17385	No
4	GOM_NL__2PRFIN20050627_143710_000000932038_00297_17385_4746.N1	27-JUN-2005 14:37:10	Tw_i_and_stray	92.500	25	35Lam Sco	1.6200	28000.	185	17385	No
5	GOM_NL__2PRFIN20050627_144051_000000912038_00297_17385_4747.N1	27-JUN-2005 14:40:51	Bright	91.000	16	21Alp Sco	1.0200	3000.0	182	17385	No
6	GOM_NL__2PRFIN20050627_144256_000000872038_00297_17385_4748.N1	27-JUN-2005 14:42:56	Bright	87.000	97	8Bet1Sco	2.5610	30000.	174	17385	No
7	GOM_NL__2PRFIN20050627_144510_000000872038_00297_17385_4749.N1	27-JUN-2005 14:45:10	Bright	86.500	98	13Zet Oph	2.5710	30000.	173	17385	No
8	GOM_NL__2PRFIN20050627_144718_000000862038_00297_17385_4750.N1	27-JUN-2005 14:47:18	Bright	86.000	120	1Del Oph	2.7340	3200.0	172	17385	No
9	GOM_NL__2PRFIN20050627_145031_000000882038_00297_17385_4751.N1	27-JUN-2005 14:50:31	Bright	87.500	102	24Alp Ser	2.6000	4250.0	175	17385	No
10	GOM_NL__2PRFIN20050627_145408_000000862038_00297_17385_4752.N1	27-JUN-2005 14:54:08	Bright	86.000	127	27Bet Her	2.7810	4700.0	172	17385	No
11	GOM_NL__2PRFIN20050627_150915_000000862038_00297_17385_4753.N1	27-JUN-2005 15:09:15	Bright	86.000	60	7Bet UMi	2.0810	3950.0	172	17385	No
12	GOM_NL__2PRFIN20050627_154240_000000932038_00297_17385_4754.N1	27-JUN-2005 15:42:40	Dark	92.500	165	34Gam Eri	2.9500	3200.0	185	17385	No
13	GOM_NL__2PRFIN20050627_155055_000000912038_00297_17385_4755.N1	27-JUN-2005 15:50:55	Dark	90.500	157	The1Eri	2.9060	9300.0	181	17385	No
14	GOM_NL__2PRFIN20050627_155723_000000882038_00298_17386_4756.N1	27-JUN-2005 15:57:23	Dark	88.000	143	Alp Hyi	2.8570	7200.0	176	17386	No
15	GOM_NL__2PRFIN20050627_160153_000000842038_00298_17386_4743.N1	27-JUN-2005 16:01:53	Dark	84.000	135	Bet Hyi	2.8200	5800.0	168	17386	No
16	GOM_NL__2PRFIN20050627_160931_000000892038_00298_17386_4744.N1	27-JUN-2005 16:09:31	Straylight	88.500	43	Alp TrA	1.9100	4250.0	177	17386	No
17	GOM_NL__2PRFIN20050627_161253_000000932038_00298_17386_4745.N1	27-JUN-2005 16:12:53	Straylight	93.000	141	Bet Ara	2.8400	4600.0	186	17386	No
18	GOM_NL__2PRFIN20050627_161746_000000932038_00298_17386_4746.N1	27-JUN-2005 16:17:46	Tw_i_and_stray	93.000	25	35Lam Sco	1.6200	28000.	186	17386	No
19	GOM_NL__2PRFIN20050627_162127_000000912038_00298_17386_4747.N1	27-JUN-2005 16:21:27	Bright	91.000	16	21Alp Sco	1.0200	3000.0	182	17386	No
20	GOM_NL__2PRFIN20050627_162332_000000882038_00298_17386_4748.N1	27-JUN-2005 16:23:32	Bright	88.000	97	8Bet1Sco	2.5610	30000.	176	17386	No
21	GOM_NL__2PRFIN20050627_162546_000000872038_00298_17386_4749.N1	27-JUN-2005 16:25:46	Bright	86.500	98	13Zet Oph	2.5710	30000.	173	17386	No
22	GOM_NL__2PRFIN20050627_162754_000000882038_00298_17386_4750.N1	27-JUN-2005 16:27:54	Bright	87.500	120	1Del Oph	2.7340	3200.0	175	17386	No
23	GOM_NL__2PRFIN20050627_163107_000000862038_00298_17386_4751.N1	27-JUN-2005 16:31:07	Bright	85.500	102	24Alp Ser	2.6000	4250.0	171	17386	No
24	GOM_NL__2PRFIN20050627_163444_000000862038_00298_17386_4752.N1	27-JUN-2005 16:34:44	Bright	86.000	127	27Bet Her	2.7810	4700.0	172	17386	No
25	GOM_NL__2PRFIN20050627_164951_000000832038_00298_17386_4753.N1	27-JUN-2005 16:49:51	Bright	82.500	60	7Bet UMi	2.0810	3950.0	165	17386	No
26	GOM_NL__2PRFIN20050627_172316_000000872038_00298_17386_4754.N1	27-JUN-2005 17:23:16	Dark	87.000	165	34Gam Eri	2.9500	3200.0	174	17386	No
27	GOM_NL__2PRFIN20050627_173131_000000932038_00298_17386_4755.N1	27-JUN-2005 17:31:31	Dark	92.500	157	The1Eri	2.9060	9300.0	185	17386	No
28	GOM_NL__2PRFIN20050627_173759_000000912038_00299_17387_4756.N1	27-JUN-2005 17:37:59	Dark	90.500	143	Alp Hyi	2.8570	7200.0	181	17387	No
29	GOM_NL__2PRFIN20050627_174229_000000872038_00299_17387_4743.N1	27-JUN-2005 17:42:29	Dark	86.500	135	Bet Hyi	2.8200	5800.0	173	17387	No
30	GOM_NL__2PRFIN20050627_175008_000000942038_00299_17387_4744.N1	27-JUN-2005 17:50:08	Straylight	93.500	43	Alp TrA	1.9100	4250.0	187	17387	No
31	GOM_NL__2PRFIN20050627_175329_000000922038_00299_17387_4745.N1	27-JUN-2005 17:53:29	Straylight	92.000	141	Bet Ara	2.8400	4600.0	184	17387	No
32	GOM_NL__2PRFIN20050627_175822_000000942038_00299_17387_4746.N1	27-JUN-2005 17:58:22	Tw_i_and_stray	94.000	25	35Lam Sco	1.6200	28000.	188	17387	No
33	GOM_NL__2PRFIN20050627_180203_000000922038_00299_17387_4747.N1	27-JUN-2005 18:02:03	Bright	91.500	16	21Alp Sco	1.0200	3000.0	183	17387	No
34	GOM_NL__2PRFIN20050627_180408_000000882038_00299_17387_4748.N1	27-JUN-2005 18:04:08	Bright	87.500	97	8Bet1Sco	2.5610	30000.	175	17387	No
35	GOM_NL__2PRFIN20050627_180622_000000872038_00299_17387_4749.N1	27-JUN-2005 18:06:22	Bright	87.000	98	13Zet Oph	2.5710	30000.	174	17387	No
36	GOM_NL__2PRFIN20050627_180831_000000882038_00299_17387_4750.N1	27-JUN-2005 18:08:31	Bright	87.500	120	1Del Oph	2.7340	3200.0	175	17387	No
37	GOM_NL__2PRFIN20050627_181143_000000872038_00299_17387_4751.N1	27-JUN-2005 18:11:43	Bright	86.500	102	24Alp Ser	2.6000	4250.0	173	17387	No
38	GOM_NL__2PRFIN20050627_181520_000000872038_00299_17387_4752.N1	27-JUN-2005 18:15:20	Bright	86.500	127	27Bet Her	2.7810	4700.0	173	17387	No
39	GOM_NL__2PRFIN20050627_183027_000001022038_00299_17387_4753.N1	27-JUN-2005 18:30:27	Bright	102.00	60	7Bet UMi	2.0810	3950.0	204	17387	No
40	GOM_NL__2PRFIN20050627_190352_000000882038_00299_17387_4754.N1	27-JUN-2005 19:03:52	Dark	87.500	165	34Gam Eri	2.9500	3200.0	175	17387	No
41	GOM_NL__2PRFIN20050627_191207_000000902038_00299_17387_4755.N1	27-JUN-2005 19:12:07	Dark	89.500	157	The1Eri	2.9060	9300.0	179	17387	No
42	GOM_NL__2PRFIN20050627_191835_000000882038_00300_17388_4756.N1	27-JUN-2005 19:18:35	Dark	87.500	143	Alp Hyi	2.8570	7200.0	175	17388	No

43	GOM_NL__2PRFIN20050627_192305_000000862038_00300_17388_4743.N1	27-JUN-2005 19:23:05	Dark	85.500	135	Bet Hyi	2.8200	5800.0	171	17388	No
44	GOM_NL__2PRFIN20050627_193043_000000882038_00300_17388_4744.N1	27-JUN-2005 19:30:43	Straylight	87.500	43	Alp TrA	1.9100	4250.0	175	17388	No
45	GOM_NL__2PRFIN20050627_193405_000000912038_00300_17388_4745.N1	27-JUN-2005 19:34:05	Straylight	91.000	141	Bet Ara	2.8400	4600.0	182	17388	No
46	GOM_NL__2PRFIN20050627_193858_000000942038_00300_17388_4746.N1	27-JUN-2005 19:38:58	Tw_i_and_stray	94.000	25	35Lam Sco	1.6200	28000.	188	17388	No
47	GOM_NL__2PRFIN20050627_194239_000000912038_00300_17388_4747.N1	27-JUN-2005 19:42:39	Bright	91.000	16	21Alp Sco	1.0200	3000.0	182	17388	No
48	GOM_NL__2PRFIN20050627_194444_000000882038_00300_17388_4748.N1	27-JUN-2005 19:44:44	Bright	87.500	97	8Bet1Sco	2.5610	30000.	175	17388	No
49	GOM_NL__2PRFIN20050627_194658_000000872038_00300_17388_4749.N1	27-JUN-2005 19:46:58	Bright	86.500	98	13Zet Oph	2.5710	30000.	173	17388	No
50	GOM_NL__2PRFIN20050627_194907_000000862038_00300_17388_4750.N1	27-JUN-2005 19:49:07	Bright	85.500	120	1Del Oph	2.7340	3200.0	171	17388	No
51	GOM_NL__2PRFIN20050627_195219_000000862038_00300_17388_4751.N1	27-JUN-2005 19:52:19	Bright	86.000	102	24Alp Ser	2.6000	4250.0	172	17388	No
52	GOM_NL__2PRFIN20050627_195556_000000872038_00300_17388_4752.N1	27-JUN-2005 19:55:56	Bright	87.000	127	27Bet Her	2.7810	4700.0	174	17388	No
53	GOM_NL__2PRFIN20050627_201103_000001022038_00300_17388_4753.N1	27-JUN-2005 20:11:03	Bright	102.00	60	7Bet UMi	2.0810	3950.0	204	17388	No
54	GOM_NL__2PRFIN20050627_204428_000000892038_00300_17388_4754.N1	27-JUN-2005 20:44:28	Dark	88.500	165	34Gam Eri	2.9500	3200.0	177	17388	No
55	GOM_NL__2PRFIN20050627_205244_000000892038_00300_17388_4755.N1	27-JUN-2005 20:52:44	Dark	88.500	157	The1Eri	2.9060	9300.0	177	17388	No
56	GOM_NL__2PRFIN20050627_205912_000000882038_00301_17389_4756.N1	27-JUN-2005 20:59:12	Dark	87.500	143	Alp Hyi	2.8570	7200.0	175	17389	No
57	GOM_NL__2PRFIN20050627_210341_000000862038_00301_17389_4743.N1	27-JUN-2005 21:03:41	Dark	86.000	135	Bet Hyi	2.8200	5800.0	172	17389	No
58	GOM_NL__2PRFIN20050627_211120_000000902038_00301_17389_4744.N1	27-JUN-2005 21:11:20	Straylight	89.500	43	Alp TrA	1.9100	4250.0	179	17389	No
59	GOM_NL__2PRFIN20050627_211441_000000962038_00301_17389_4745.N1	27-JUN-2005 21:14:41	Straylight	96.000	141	Bet Ara	2.8400	4600.0	192	17389	No
60	GOM_NL__2PRFIN20050627_211934_000000912038_00301_17389_4746.N1	27-JUN-2005 21:19:34	Tw_i_and_stray	91.000	25	35Lam Sco	1.6200	28000.	182	17389	No
61	GOM_NL__2PRFIN20050627_212315_000000912038_00301_17389_4747.N1	27-JUN-2005 21:23:15	Bright	90.500	16	21Alp Sco	1.0200	3000.0	181	17389	No
62	GOM_NL__2PRFIN20050627_212521_000000872038_00301_17389_4748.N1	27-JUN-2005 21:25:21	Bright	87.000	97	8Bet1Sco	2.5610	30000.	174	17389	No
63	GOM_NL__2PRFIN20050627_212734_000000872038_00301_17389_4749.N1	27-JUN-2005 21:27:34	Bright	86.500	98	13Zet Oph	2.5710	30000.	173	17389	No
64	GOM_NL__2PRFIN20050627_212943_000000862038_00301_17389_4750.N1	27-JUN-2005 21:29:43	Bright	86.000	120	1Del Oph	2.7340	3200.0	172	17389	No
65	GOM_NL__2PRFIN20050627_213256_000000892038_00301_17389_4751.N1	27-JUN-2005 21:32:56	Bright	88.500	102	24Alp Ser	2.6000	4250.0	177	17389	No
66	GOM_NL__2PRFIN20050627_213633_000000872038_00301_17389_4752.N1	27-JUN-2005 21:36:33	Bright	87.000	127	27Bet Her	2.7810	4700.0	174	17389	No
67	GOM_NL__2PRFIN20050627_215139_000000872038_00301_17389_4753.N1	27-JUN-2005 21:51:39	Bright	86.500	60	7Bet UMi	2.0810	3950.0	173	17389	No
68	GOM_NL__2PRFIN20050627_222504_000000902038_00301_17389_4754.N1	27-JUN-2005 22:25:04	Dark	89.500	165	34Gam Eri	2.9500	3200.0	179	17389	No
69	GOM_NL__2PRFIN20050627_223320_000000912038_00301_17389_4755.N1	27-JUN-2005 22:33:20	Dark	91.000	157	The1Eri	2.9060	9300.0	182	17389	No
70	GOM_NL__2PRFIN20050627_223948_000000872038_00302_17390_4756.N1	27-JUN-2005 22:39:48	Dark	87.000	143	Alp Hyi	2.8570	7200.0	174	17390	No
71	GOM_NL__2PRFIN20050627_224417_000000862038_00302_17390_4743.N1	27-JUN-2005 22:44:17	Dark	85.500	135	Bet Hyi	2.8200	5800.0	171	17390	No
72	GOM_NL__2PRFIN20050627_225155_000000912038_00302_17390_4744.N1	27-JUN-2005 22:51:55	Straylight	91.000	43	Alp TrA	1.9100	4250.0	182	17390	No
73	GOM_NL__2PRFIN20050627_225517_000000912038_00302_17390_4745.N1	27-JUN-2005 22:55:17	Straylight	90.500	141	Bet Ara	2.8400	4600.0	181	17390	No
74	GOM_NL__2PRFIN20050627_225908_000000272038_00302_17390_4746.N1	27-JUN-2005 22:59:08	Dark	27.000	178	1ot1Sco	3.0220	6550.0	54	17390	Yes
75	GOM_NL__2PRFIN20050627_230011_000000932038_00302_17390_4747.N1	27-JUN-2005 23:00:11	Tw_i_and_stray	92.500	25	35Lam Sco	1.6200	28000.	185	17390	No
76	GOM_NL__2PRFIN20050627_230351_000000912038_00302_17390_4748.N1	27-JUN-2005 23:03:51	Bright	90.500	16	21Alp Sco	1.0200	3000.0	181	17390	No
77	GOM_NL__2PRFIN20050627_230557_000000882038_00302_17390_4749.N1	27-JUN-2005 23:05:57	Bright	88.000	97	8Bet1Sco	2.5610	30000.	176	17390	No
78	GOM_NL__2PRFIN20050627_230810_000000872038_00302_17390_4750.N1	27-JUN-2005 23:08:10	Bright	86.500	98	13Zet Oph	2.5710	30000.	173	17390	No
79	GOM_NL__2PRFIN20050627_231019_000000872038_00302_17390_4751.N1	27-JUN-2005 23:10:19	Bright	87.000	120	1Del Oph	2.7340	3200.0	174	17390	No
80	GOM_NL__2PRFIN20050627_231332_000000862038_00302_17390_4752.N1	27-JUN-2005 23:13:32	Bright	85.500	102	24Alp Ser	2.6000	4250.0	171	17390	No
81	GOM_NL__2PRFIN20050627_231709_000000862038_00302_17390_4753.N1	27-JUN-2005 23:17:09	Bright	86.000	127	27Bet Her	2.7810	4700.0	172	17390	No
82	GOM_NL__2PRFIN20050627_231914_000000852038_00302_17390_4754.N1	27-JUN-2005 23:19:14	Bright	85.000	67	5Alp CrB	2.2210	11000.	170	17390	No
83	GOM_NL__2PRFIN20050627_233215_000001022038_00302_17390_4755.N1	27-JUN-2005 23:32:15	Bright	102.00	60	7Bet UMi	2.0810	3950.0	204	17390	No

3. Quality information per product

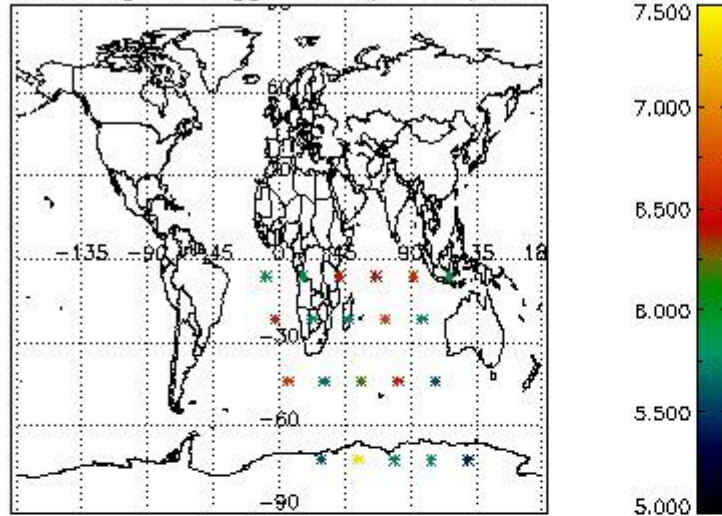
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

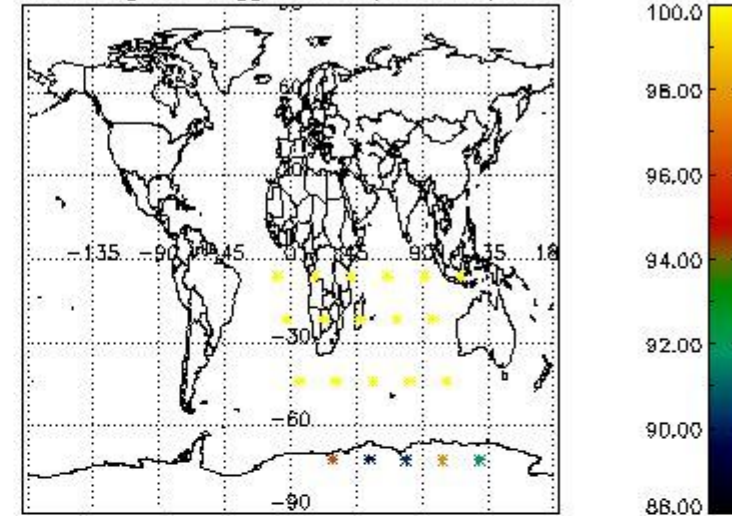


3.2 Plot quality information per product (world map)

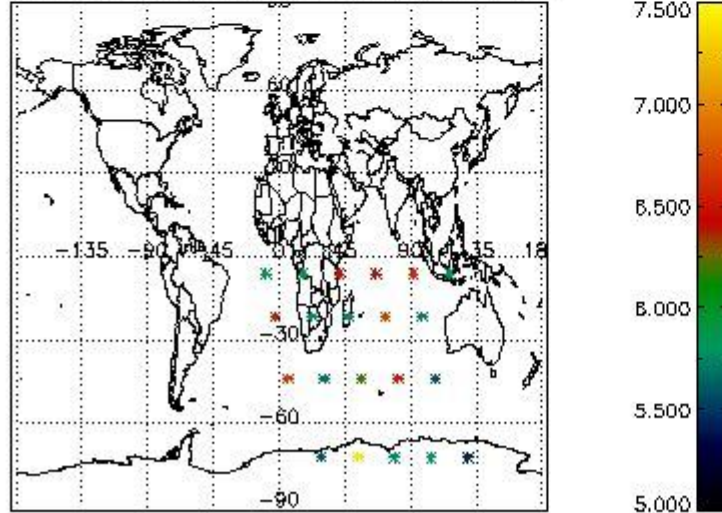
Percentage of flagged data per O3 profile



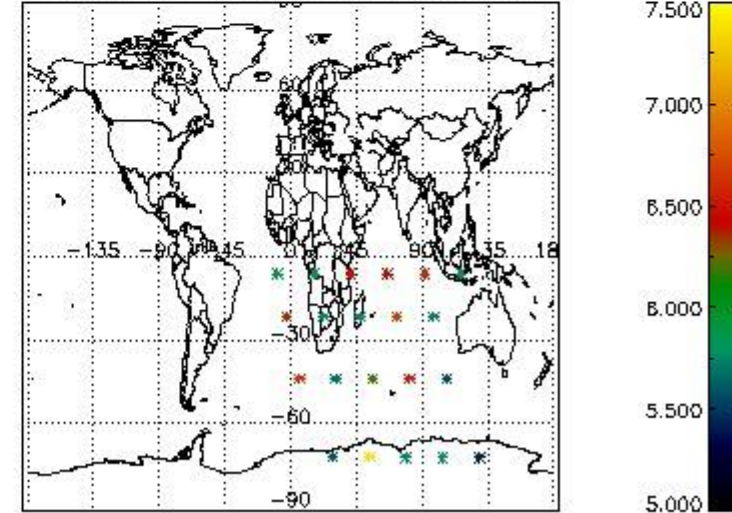
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

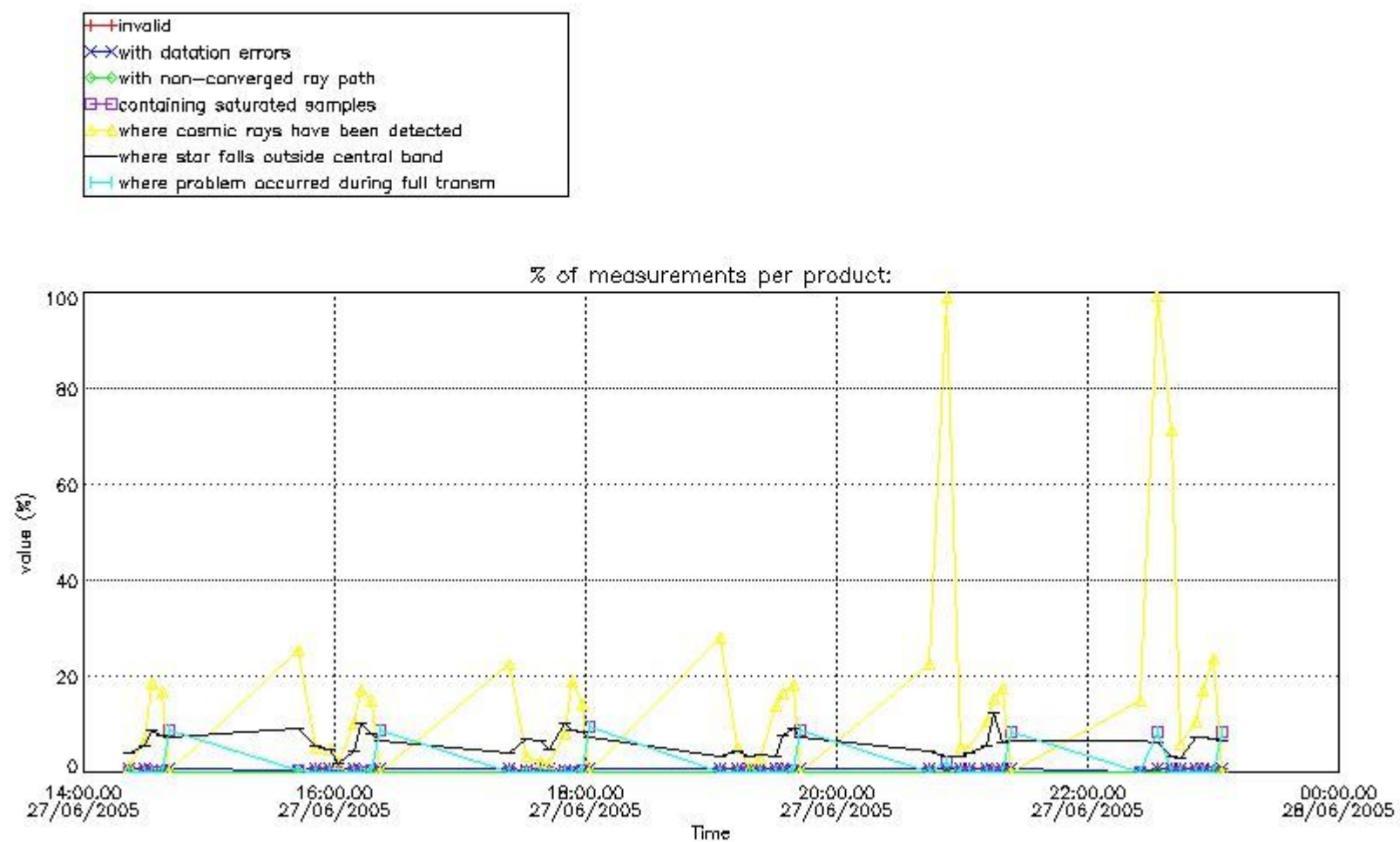


4. Level 1 quality information per product

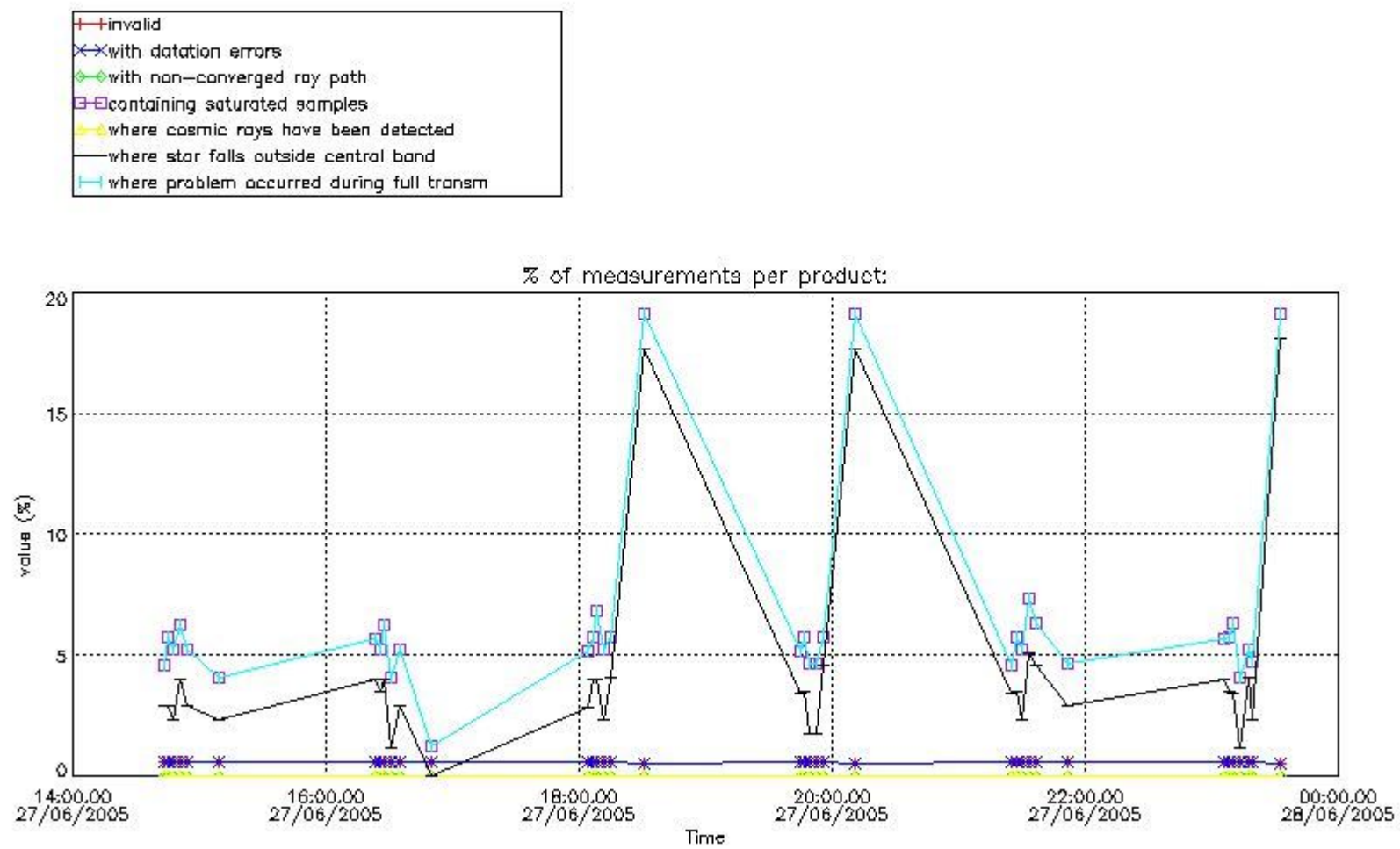
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



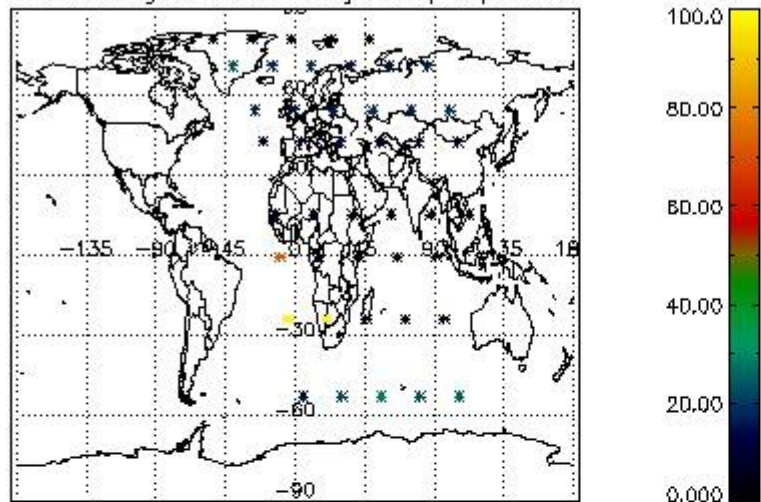
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



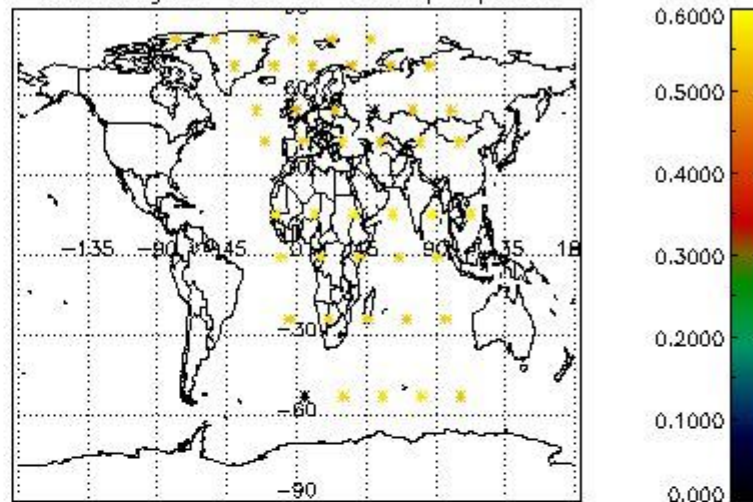
4.2 Plot quality information per product coming from level 1b processing (world map)

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

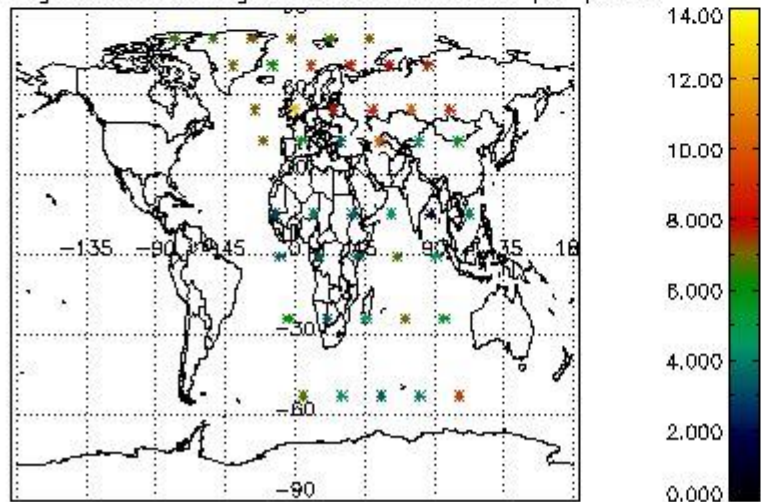
Percentage of cosmic ray hits per profile



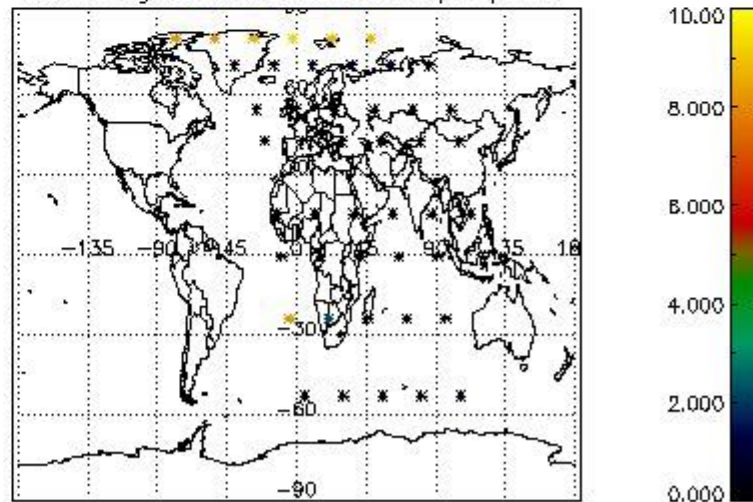
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

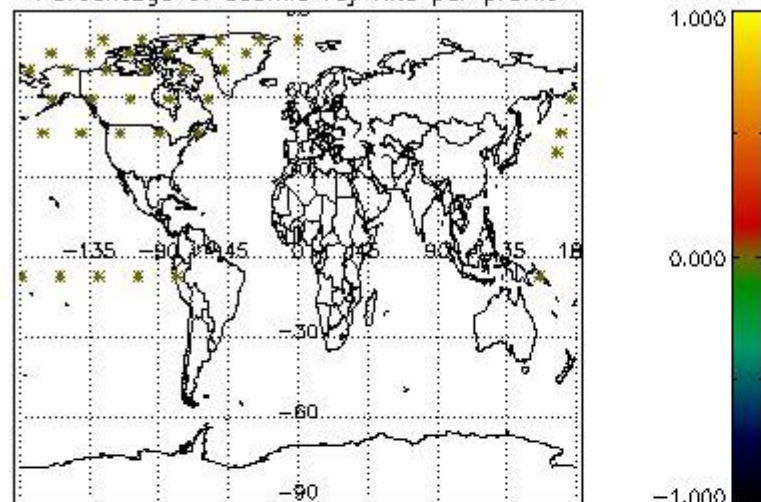


Percentage of saturation errors per profile

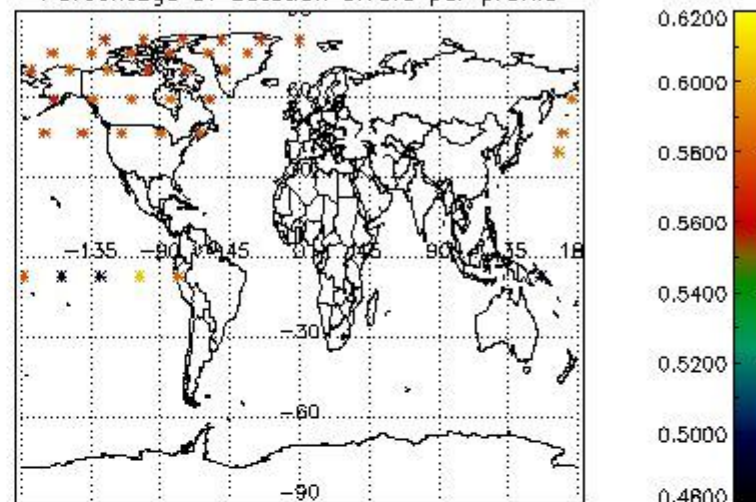


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

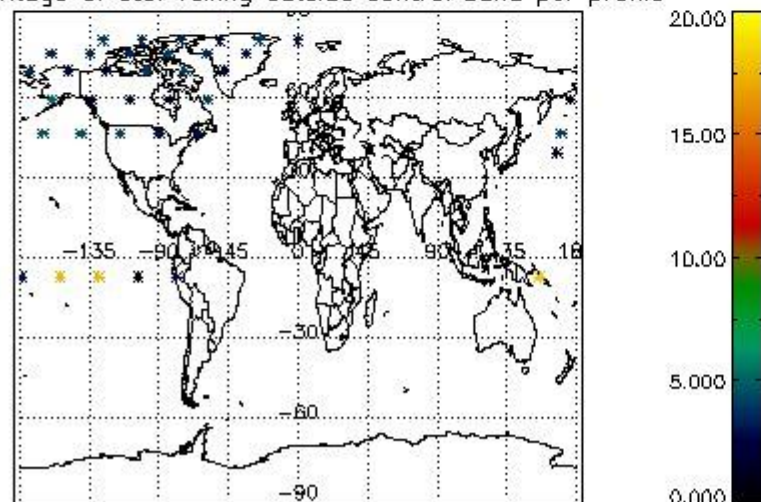
Percentage of cosmic ray hits per profile



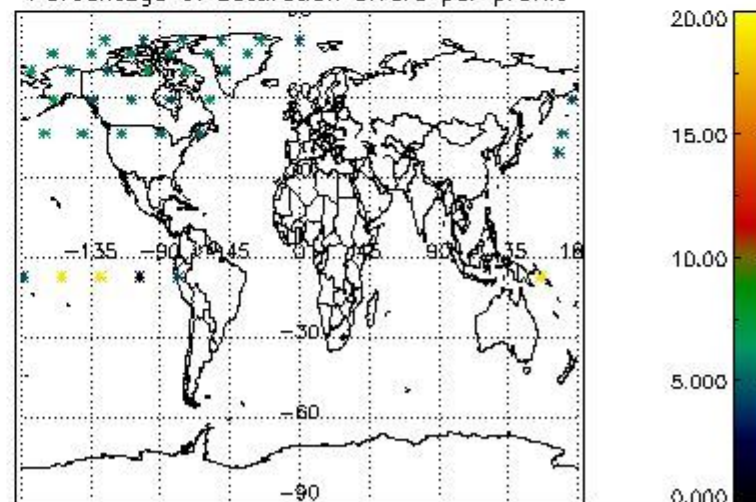
Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

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

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

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

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

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

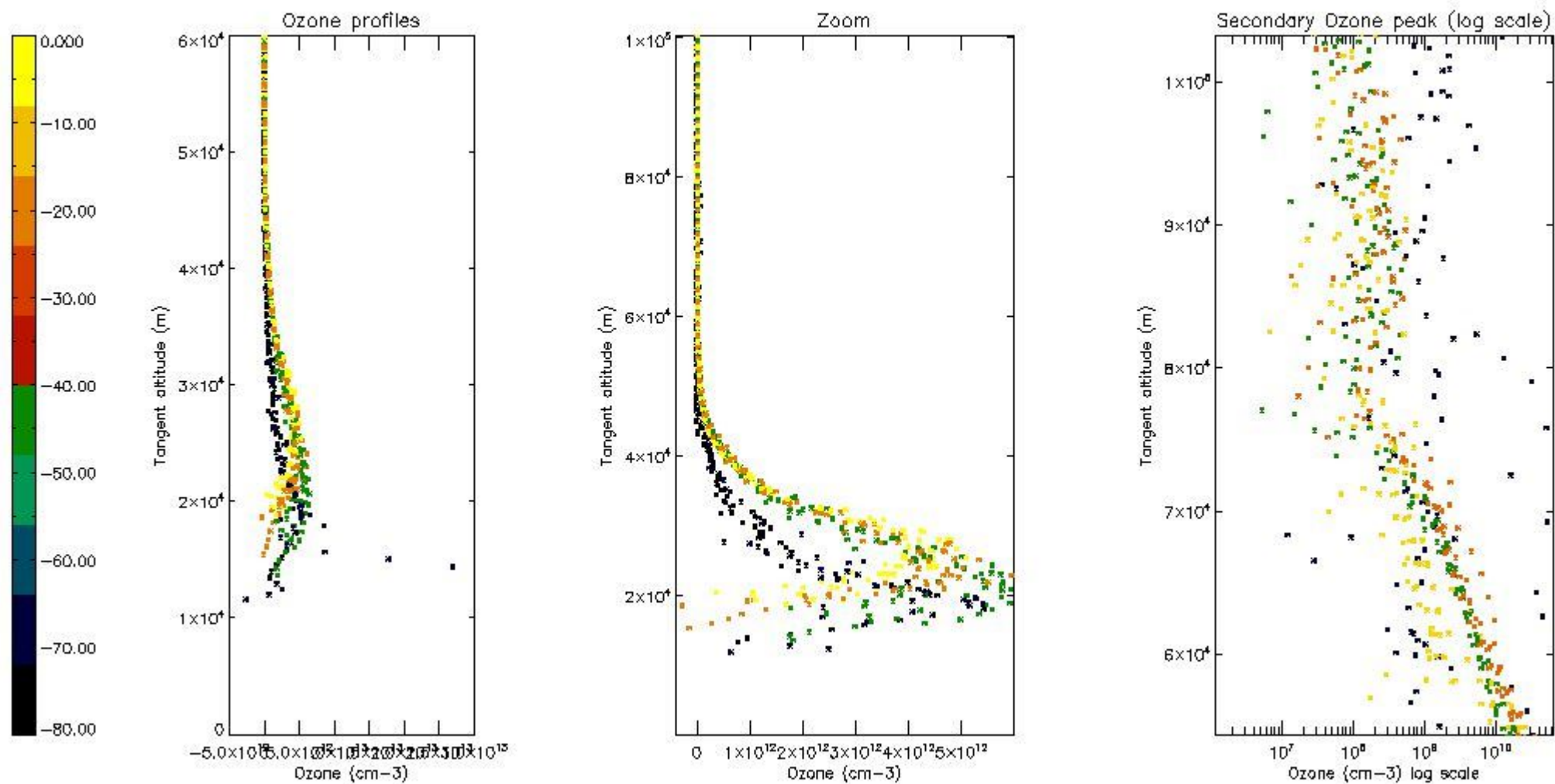
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	26.000
STD < 20	4.0000

STD < 10	2.0000
STD < 5	NaN

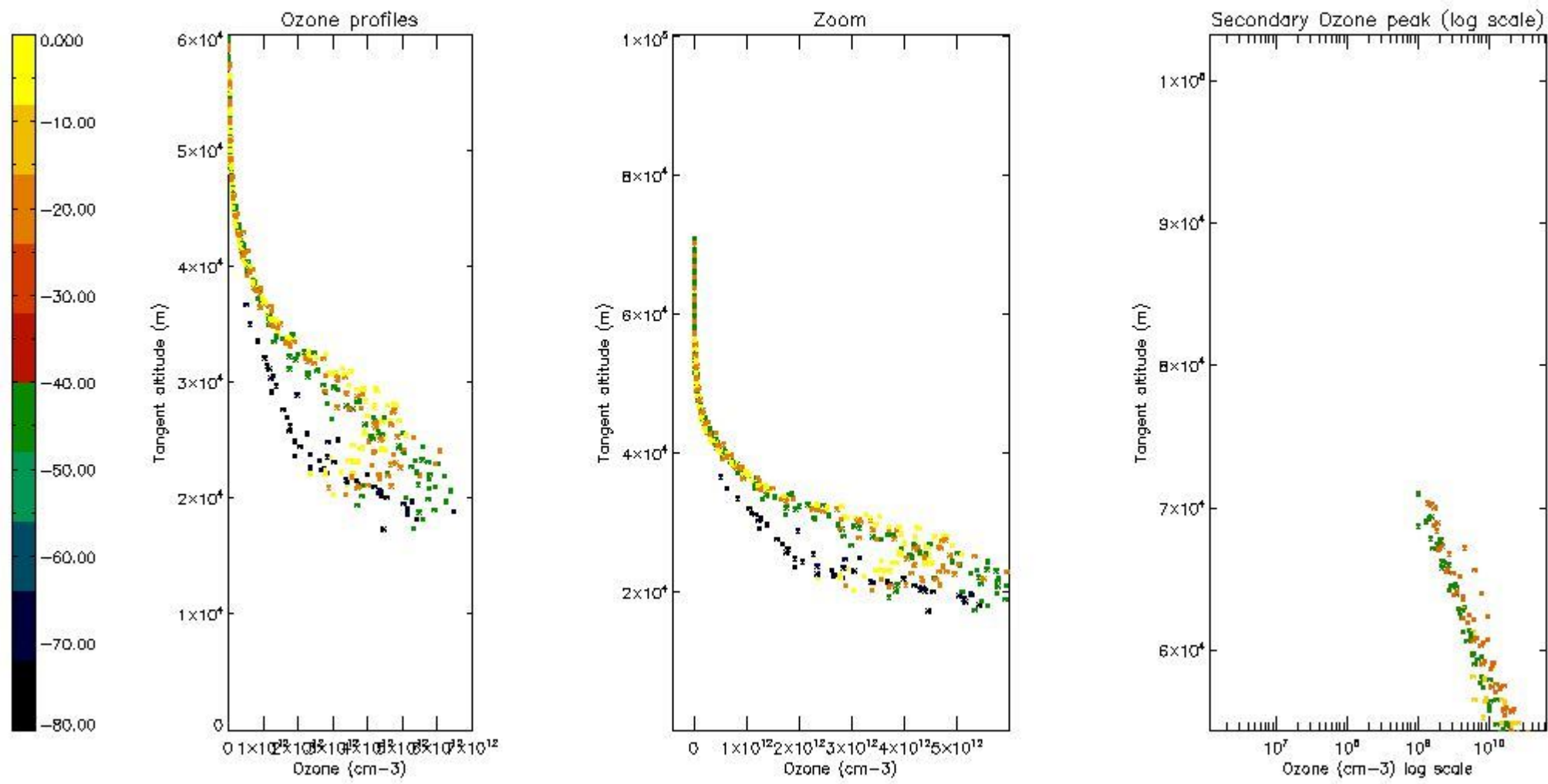
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



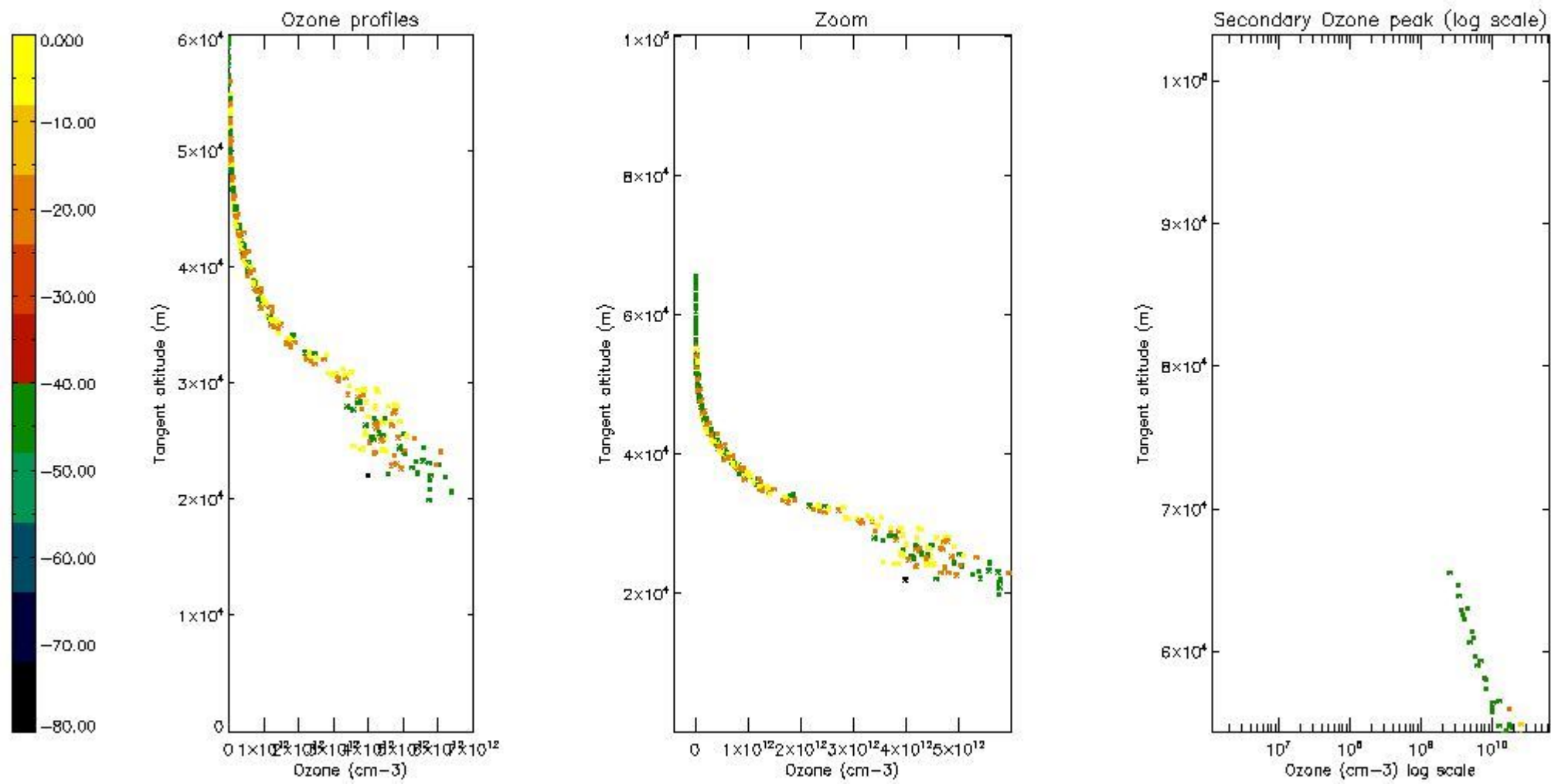
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



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

The colorbar represents the latitude.

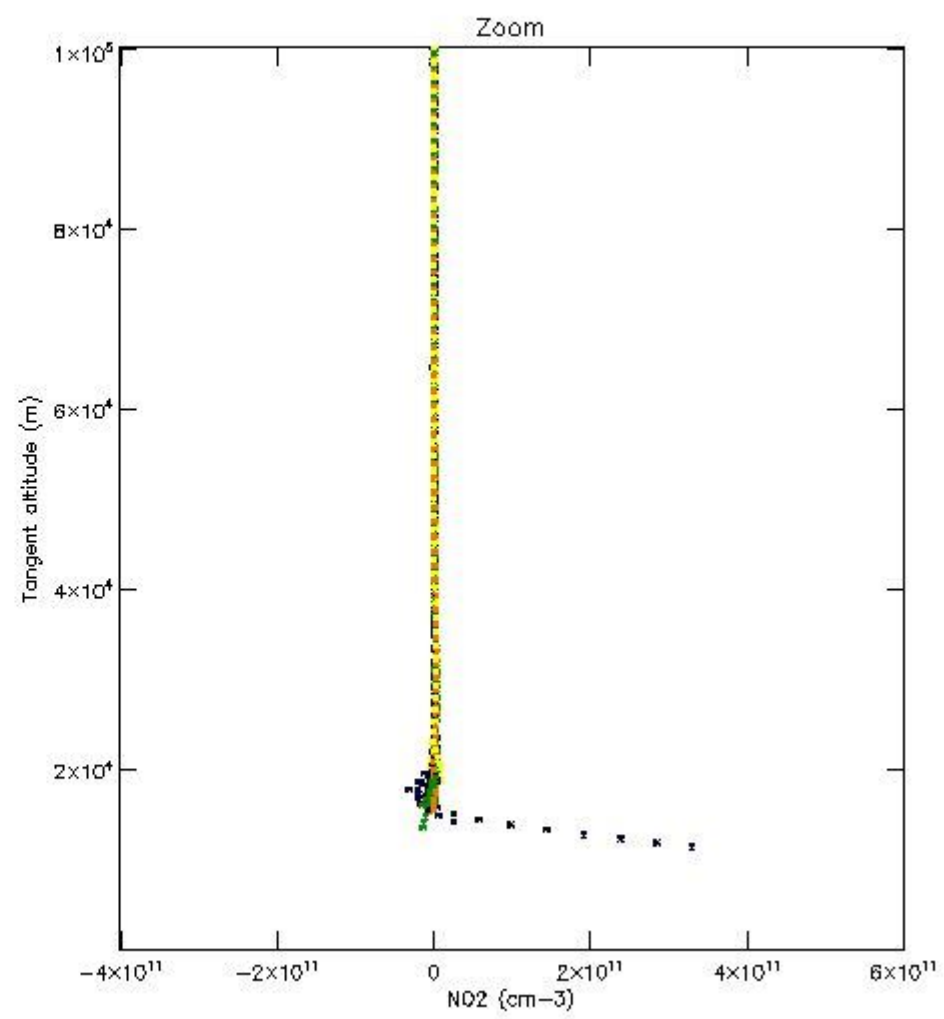
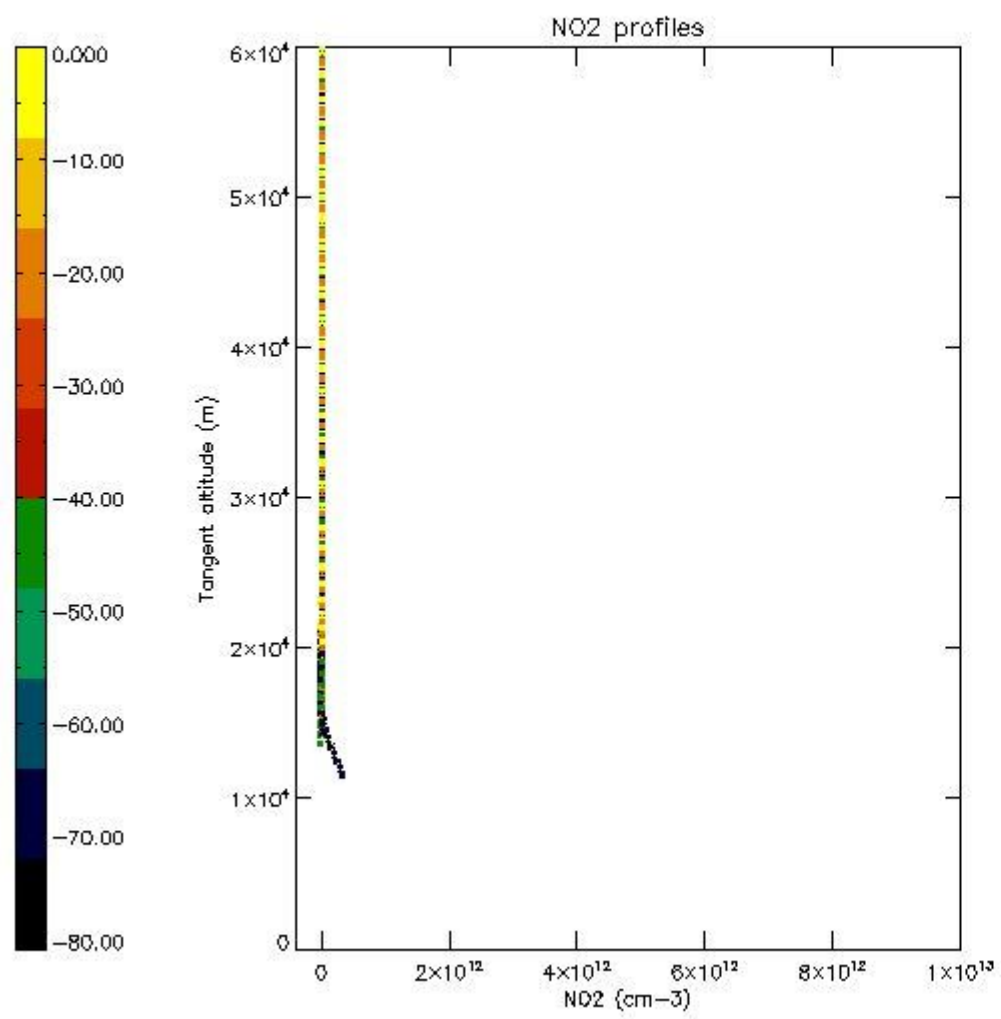


5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.

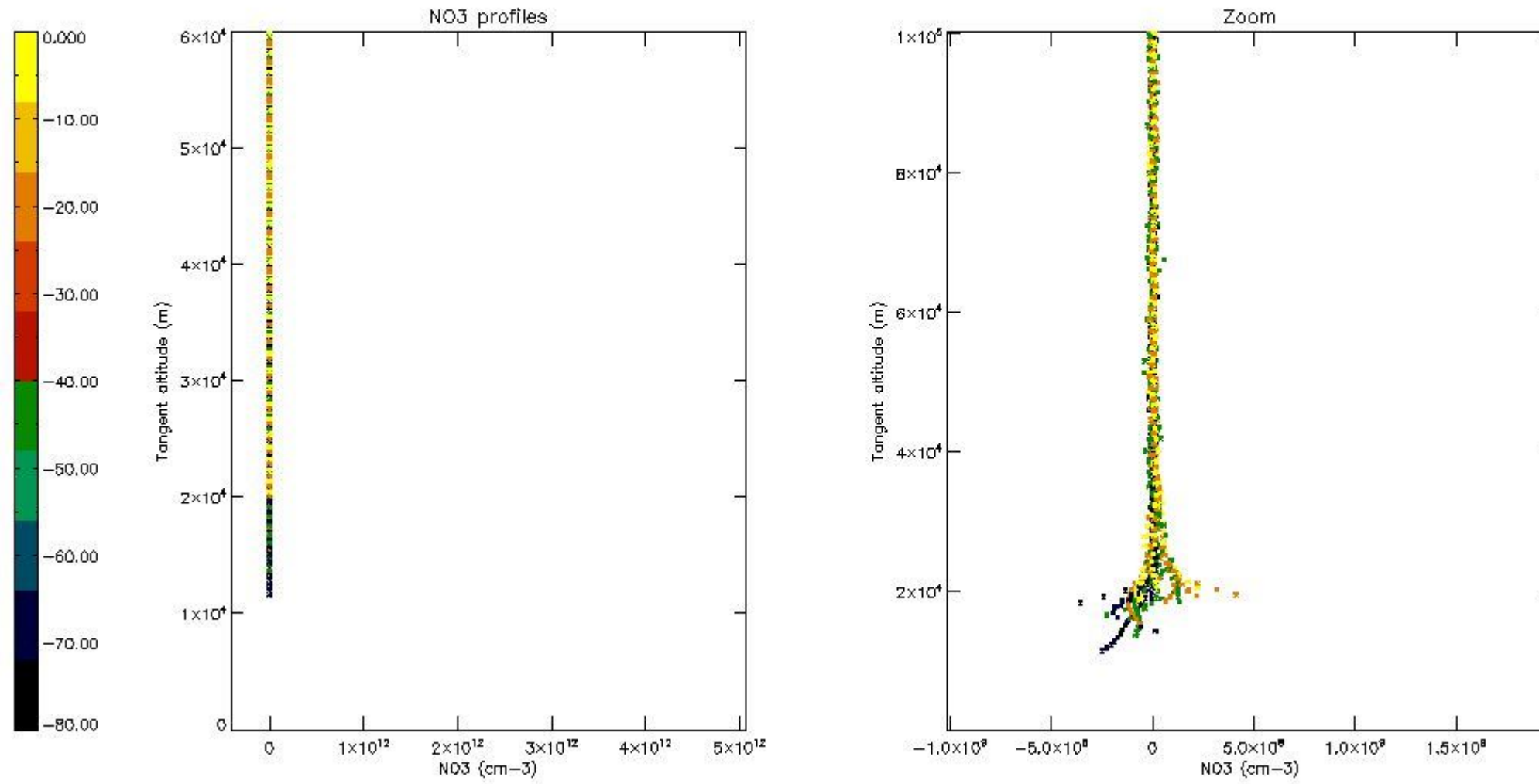
5.6 Plot NO2 profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

The colorbar represents the latitude.



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

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

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	27-JUN-2005 14:21:16
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	27-JUN-2005 14:21:16
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	27-JUN-2005 14:21:16

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	18APR2013 09:52:51
Data source version	GOMOS/6.01
Start time of products	27-06-2005 (27JUN2005 00:00:00)
Stop time of products	28-06-2005 (28JUN2005 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	83
Nb of prods with errors	1

2. Summary of processed GOM_NL__2P products.

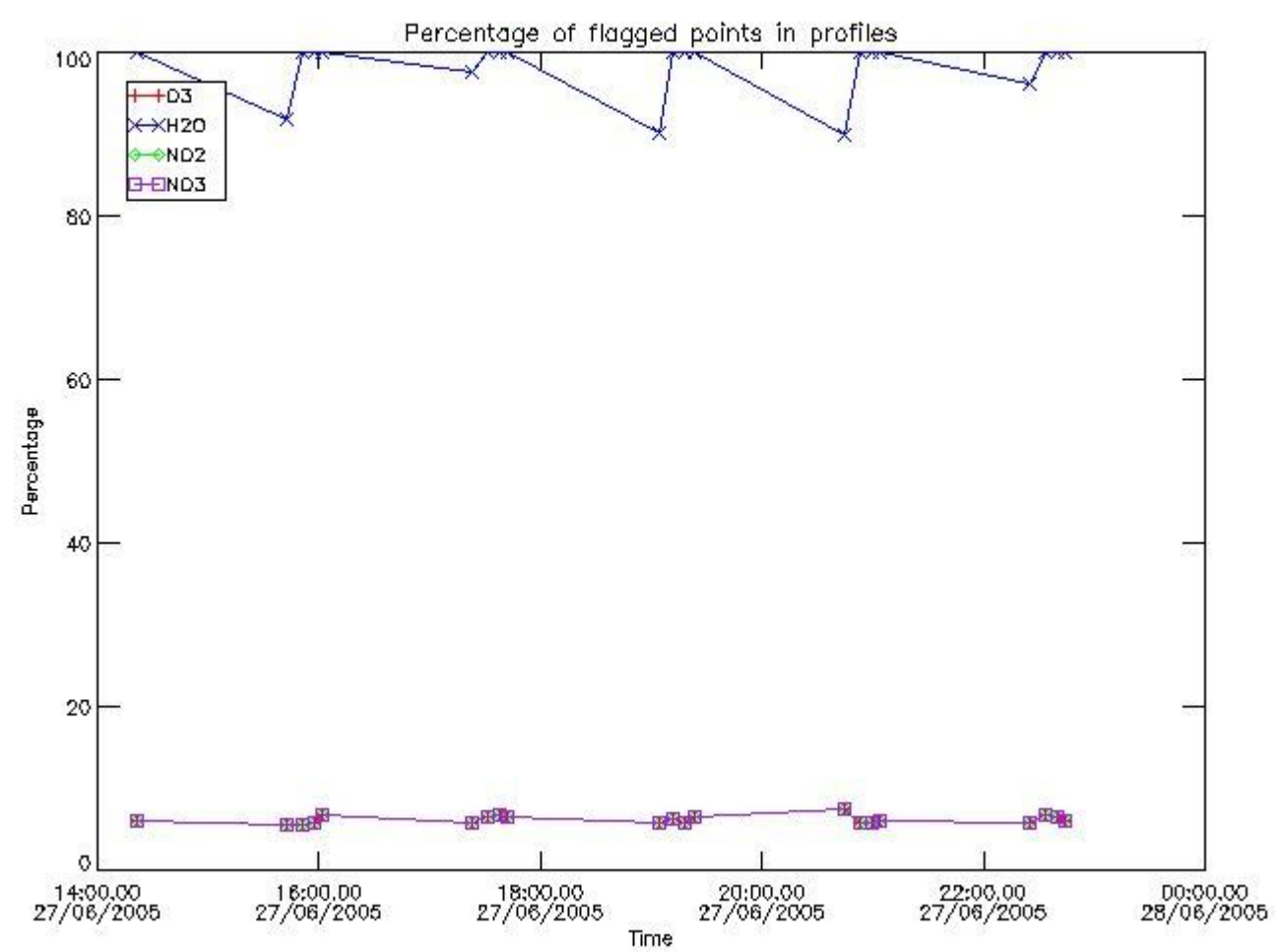
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20050627_142116_000000862038_00297_17385_4743.N1	27-JUN-2005 14:21:16	Dark	86.000	135	Bet Hyi	2.8200	5800.0	172	17385	No
2	GOM_NL__2PRFIN20050627_142855_000000902038_00297_17385_4744.N1	27-JUN-2005 14:28:55	Straylight	89.500	43	Alp TrA	1.9100	4250.0	179	17385	No
3	GOM_NL__2PRFIN20050627_143217_000000922038_00297_17385_4745.N1	27-JUN-2005 14:32:17	Straylight	92.000	141	Bet Ara	2.8400	4600.0	184	17385	No
4	GOM_NL__2PRFIN20050627_143710_000000932038_00297_17385_4746.N1	27-JUN-2005 14:37:10	Tw_i_and_stray	92.500	25	35Lam Sco	1.6200	28000.	185	17385	No
5	GOM_NL__2PRFIN20050627_144051_000000912038_00297_17385_4747.N1	27-JUN-2005 14:40:51	Bright	91.000	16	21Alp Sco	1.0200	3000.0	182	17385	No
6	GOM_NL__2PRFIN20050627_144256_000000872038_00297_17385_4748.N1	27-JUN-2005 14:42:56	Bright	87.000	97	8Bet1Sco	2.5610	30000.	174	17385	No
7	GOM_NL__2PRFIN20050627_144510_000000872038_00297_17385_4749.N1	27-JUN-2005 14:45:10	Bright	86.500	98	13Zet Oph	2.5710	30000.	173	17385	No
8	GOM_NL__2PRFIN20050627_144718_000000862038_00297_17385_4750.N1	27-JUN-2005 14:47:18	Bright	86.000	120	1Del Oph	2.7340	3200.0	172	17385	No
9	GOM_NL__2PRFIN20050627_145031_000000882038_00297_17385_4751.N1	27-JUN-2005 14:50:31	Bright	87.500	102	24Alp Ser	2.6000	4250.0	175	17385	No
10	GOM_NL__2PRFIN20050627_145408_000000862038_00297_17385_4752.N1	27-JUN-2005 14:54:08	Bright	86.000	127	27Bet Her	2.7810	4700.0	172	17385	No
11	GOM_NL__2PRFIN20050627_150915_000000862038_00297_17385_4753.N1	27-JUN-2005 15:09:15	Bright	86.000	60	7Bet UMi	2.0810	3950.0	172	17385	No
12	GOM_NL__2PRFIN20050627_154240_000000932038_00297_17385_4754.N1	27-JUN-2005 15:42:40	Dark	92.500	165	34Gam Eri	2.9500	3200.0	185	17385	No
13	GOM_NL__2PRFIN20050627_155055_000000912038_00297_17385_4755.N1	27-JUN-2005 15:50:55	Dark	90.500	157	The1Eri	2.9060	9300.0	181	17385	No
14	GOM_NL__2PRFIN20050627_155723_000000882038_00298_17386_4756.N1	27-JUN-2005 15:57:23	Dark	88.000	143	Alp Hyi	2.8570	7200.0	176	17386	No
15	GOM_NL__2PRFIN20050627_160153_000000842038_00298_17386_4743.N1	27-JUN-2005 16:01:53	Dark	84.000	135	Bet Hyi	2.8200	5800.0	168	17386	No
16	GOM_NL__2PRFIN20050627_160931_000000892038_00298_17386_4744.N1	27-JUN-2005 16:09:31	Straylight	88.500	43	Alp TrA	1.9100	4250.0	177	17386	No
17	GOM_NL__2PRFIN20050627_161253_000000932038_00298_17386_4745.N1	27-JUN-2005 16:12:53	Straylight	93.000	141	Bet Ara	2.8400	4600.0	186	17386	No
18	GOM_NL__2PRFIN20050627_161746_000000932038_00298_17386_4746.N1	27-JUN-2005 16:17:46	Tw_i_and_stray	93.000	25	35Lam Sco	1.6200	28000.	186	17386	No
19	GOM_NL__2PRFIN20050627_162127_000000912038_00298_17386_4747.N1	27-JUN-2005 16:21:27	Bright	91.000	16	21Alp Sco	1.0200	3000.0	182	17386	No
20	GOM_NL__2PRFIN20050627_162332_000000882038_00298_17386_4748.N1	27-JUN-2005 16:23:32	Bright	88.000	97	8Bet1Sco	2.5610	30000.	176	17386	No
21	GOM_NL__2PRFIN20050627_162546_000000872038_00298_17386_4749.N1	27-JUN-2005 16:25:46	Bright	86.500	98	13Zet Oph	2.5710	30000.	173	17386	No
22	GOM_NL__2PRFIN20050627_162754_000000882038_00298_17386_4750.N1	27-JUN-2005 16:27:54	Bright	87.500	120	1Del Oph	2.7340	3200.0	175	17386	No
23	GOM_NL__2PRFIN20050627_163107_000000862038_00298_17386_4751.N1	27-JUN-2005 16:31:07	Bright	85.500	102	24Alp Ser	2.6000	4250.0	171	17386	No
24	GOM_NL__2PRFIN20050627_163444_000000862038_00298_17386_4752.N1	27-JUN-2005 16:34:44	Bright	86.000	127	27Bet Her	2.7810	4700.0	172	17386	No
25	GOM_NL__2PRFIN20050627_164951_000000832038_00298_17386_4753.N1	27-JUN-2005 16:49:51	Bright	82.500	60	7Bet UMi	2.0810	3950.0	165	17386	No
26	GOM_NL__2PRFIN20050627_172316_000000872038_00298_17386_4754.N1	27-JUN-2005 17:23:16	Dark	87.000	165	34Gam Eri	2.9500	3200.0	174	17386	No
27	GOM_NL__2PRFIN20050627_173131_000000932038_00298_17386_4755.N1	27-JUN-2005 17:31:31	Dark	92.500	157	The1Eri	2.9060	9300.0	185	17386	No
28	GOM_NL__2PRFIN20050627_173759_000000912038_00299_17387_4756.N1	27-JUN-2005 17:37:59	Dark	90.500	143	Alp Hyi	2.8570	7200.0	181	17387	No
29	GOM_NL__2PRFIN20050627_174229_000000872038_00299_17387_4743.N1	27-JUN-2005 17:42:29	Dark	86.500	135	Bet Hyi	2.8200	5800.0	173	17387	No
30	GOM_NL__2PRFIN20050627_175008_000000942038_00299_17387_4744.N1	27-JUN-2005 17:50:08	Straylight	93.500	43	Alp TrA	1.9100	4250.0	187	17387	No
31	GOM_NL__2PRFIN20050627_175329_000000922038_00299_17387_4745.N1	27-JUN-2005 17:53:29	Straylight	92.000	141	Bet Ara	2.8400	4600.0	184	17387	No
32	GOM_NL__2PRFIN20050627_175822_000000942038_00299_17387_4746.N1	27-JUN-2005 17:58:22	Tw_i_and_stray	94.000	25	35Lam Sco	1.6200	28000.	188	17387	No
33	GOM_NL__2PRFIN20050627_180203_000000922038_00299_17387_4747.N1	27-JUN-2005 18:02:03	Bright	91.500	16	21Alp Sco	1.0200	3000.0	183	17387	No
34	GOM_NL__2PRFIN20050627_180408_000000882038_00299_17387_4748.N1	27-JUN-2005 18:04:08	Bright	87.500	97	8Bet1Sco	2.5610	30000.	175	17387	No
35	GOM_NL__2PRFIN20050627_180622_000000872038_00299_17387_4749.N1	27-JUN-2005 18:06:22	Bright	87.000	98	13Zet Oph	2.5710	30000.	174	17387	No
36	GOM_NL__2PRFIN20050627_180831_000000882038_00299_17387_4750.N1	27-JUN-2005 18:08:31	Bright	87.500	120	1Del Oph	2.7340	3200.0	175	17387	No
37	GOM_NL__2PRFIN20050627_181143_000000872038_00299_17387_4751.N1	27-JUN-2005 18:11:43	Bright	86.500	102	24Alp Ser	2.6000	4250.0	173	17387	No
38	GOM_NL__2PRFIN20050627_181520_000000872038_00299_17387_4752.N1	27-JUN-2005 18:15:20	Bright	86.500	127	27Bet Her	2.7810	4700.0	173	17387	No
39	GOM_NL__2PRFIN20050627_183027_000001022038_00299_17387_4753.N1	27-JUN-2005 18:30:27	Bright	102.00	60	7Bet UMi	2.0810	3950.0	204	17387	No
40	GOM_NL__2PRFIN20050627_190352_000000882038_00299_17387_4754.N1	27-JUN-2005 19:03:52	Dark	87.500	165	34Gam Eri	2.9500	3200.0	175	17387	No
41	GOM_NL__2PRFIN20050627_191207_000000902038_00299_17387_4755.N1	27-JUN-2005 19:12:07	Dark	89.500	157	The1Eri	2.9060	9300.0	179	17387	No
42	GOM_NL__2PRFIN20050627_191835_000000882038_00300_17388_4756.N1	27-JUN-2005 19:18:35	Dark	87.500	143	Alp Hyi	2.8570	7200.0	175	17388	No

43	GOM_NL__2PRFIN20050627_192305_000000862038_00300_17388_4743.N1	27-JUN-2005 19:23:05	Dark	85.500	135	Bet Hyi	2.8200	5800.0	171	17388	No
44	GOM_NL__2PRFIN20050627_193043_000000882038_00300_17388_4744.N1	27-JUN-2005 19:30:43	Straylight	87.500	43	Alp TrA	1.9100	4250.0	175	17388	No
45	GOM_NL__2PRFIN20050627_193405_000000912038_00300_17388_4745.N1	27-JUN-2005 19:34:05	Straylight	91.000	141	Bet Ara	2.8400	4600.0	182	17388	No
46	GOM_NL__2PRFIN20050627_193858_000000942038_00300_17388_4746.N1	27-JUN-2005 19:38:58	Tw_i_and_stray	94.000	25	35Lam Sco	1.6200	28000.	188	17388	No
47	GOM_NL__2PRFIN20050627_194239_000000912038_00300_17388_4747.N1	27-JUN-2005 19:42:39	Bright	91.000	16	21Alp Sco	1.0200	3000.0	182	17388	No
48	GOM_NL__2PRFIN20050627_194444_000000882038_00300_17388_4748.N1	27-JUN-2005 19:44:44	Bright	87.500	97	8Bet1Sco	2.5610	30000.	175	17388	No
49	GOM_NL__2PRFIN20050627_194658_000000872038_00300_17388_4749.N1	27-JUN-2005 19:46:58	Bright	86.500	98	13Zet Oph	2.5710	30000.	173	17388	No
50	GOM_NL__2PRFIN20050627_194907_000000862038_00300_17388_4750.N1	27-JUN-2005 19:49:07	Bright	85.500	120	1Del Oph	2.7340	3200.0	171	17388	No
51	GOM_NL__2PRFIN20050627_195219_000000862038_00300_17388_4751.N1	27-JUN-2005 19:52:19	Bright	86.000	102	24Alp Ser	2.6000	4250.0	172	17388	No
52	GOM_NL__2PRFIN20050627_195556_000000872038_00300_17388_4752.N1	27-JUN-2005 19:55:56	Bright	87.000	127	27Bet Her	2.7810	4700.0	174	17388	No
53	GOM_NL__2PRFIN20050627_201103_000001022038_00300_17388_4753.N1	27-JUN-2005 20:11:03	Bright	102.00	60	7Bet UMi	2.0810	3950.0	204	17388	No
54	GOM_NL__2PRFIN20050627_204428_000000892038_00300_17388_4754.N1	27-JUN-2005 20:44:28	Dark	88.500	165	34Gam Eri	2.9500	3200.0	177	17388	No
55	GOM_NL__2PRFIN20050627_205244_000000892038_00300_17388_4755.N1	27-JUN-2005 20:52:44	Dark	88.500	157	The1Eri	2.9060	9300.0	177	17388	No
56	GOM_NL__2PRFIN20050627_205912_000000882038_00301_17389_4756.N1	27-JUN-2005 20:59:12	Dark	87.500	143	Alp Hyi	2.8570	7200.0	175	17389	No
57	GOM_NL__2PRFIN20050627_210341_000000862038_00301_17389_4743.N1	27-JUN-2005 21:03:41	Dark	86.000	135	Bet Hyi	2.8200	5800.0	172	17389	No
58	GOM_NL__2PRFIN20050627_211120_000000902038_00301_17389_4744.N1	27-JUN-2005 21:11:20	Straylight	89.500	43	Alp TrA	1.9100	4250.0	179	17389	No
59	GOM_NL__2PRFIN20050627_211441_000000962038_00301_17389_4745.N1	27-JUN-2005 21:14:41	Straylight	96.000	141	Bet Ara	2.8400	4600.0	192	17389	No
60	GOM_NL__2PRFIN20050627_211934_000000912038_00301_17389_4746.N1	27-JUN-2005 21:19:34	Tw_i_and_stray	91.000	25	35Lam Sco	1.6200	28000.	182	17389	No
61	GOM_NL__2PRFIN20050627_212315_000000912038_00301_17389_4747.N1	27-JUN-2005 21:23:15	Bright	90.500	16	21Alp Sco	1.0200	3000.0	181	17389	No
62	GOM_NL__2PRFIN20050627_212521_000000872038_00301_17389_4748.N1	27-JUN-2005 21:25:21	Bright	87.000	97	8Bet1Sco	2.5610	30000.	174	17389	No
63	GOM_NL__2PRFIN20050627_212734_000000872038_00301_17389_4749.N1	27-JUN-2005 21:27:34	Bright	86.500	98	13Zet Oph	2.5710	30000.	173	17389	No
64	GOM_NL__2PRFIN20050627_212943_000000862038_00301_17389_4750.N1	27-JUN-2005 21:29:43	Bright	86.000	120	1Del Oph	2.7340	3200.0	172	17389	No
65	GOM_NL__2PRFIN20050627_213256_000000892038_00301_17389_4751.N1	27-JUN-2005 21:32:56	Bright	88.500	102	24Alp Ser	2.6000	4250.0	177	17389	No
66	GOM_NL__2PRFIN20050627_213633_000000872038_00301_17389_4752.N1	27-JUN-2005 21:36:33	Bright	87.000	127	27Bet Her	2.7810	4700.0	174	17389	No
67	GOM_NL__2PRFIN20050627_215139_000000872038_00301_17389_4753.N1	27-JUN-2005 21:51:39	Bright	86.500	60	7Bet UMi	2.0810	3950.0	173	17389	No
68	GOM_NL__2PRFIN20050627_222504_000000902038_00301_17389_4754.N1	27-JUN-2005 22:25:04	Dark	89.500	165	34Gam Eri	2.9500	3200.0	179	17389	No
69	GOM_NL__2PRFIN20050627_223320_000000912038_00301_17389_4755.N1	27-JUN-2005 22:33:20	Dark	91.000	157	The1Eri	2.9060	9300.0	182	17389	No
70	GOM_NL__2PRFIN20050627_223948_000000872038_00302_17390_4756.N1	27-JUN-2005 22:39:48	Dark	87.000	143	Alp Hyi	2.8570	7200.0	174	17390	No
71	GOM_NL__2PRFIN20050627_224417_000000862038_00302_17390_4743.N1	27-JUN-2005 22:44:17	Dark	85.500	135	Bet Hyi	2.8200	5800.0	171	17390	No
72	GOM_NL__2PRFIN20050627_225155_000000912038_00302_17390_4744.N1	27-JUN-2005 22:51:55	Straylight	91.000	43	Alp TrA	1.9100	4250.0	182	17390	No
73	GOM_NL__2PRFIN20050627_225517_000000912038_00302_17390_4745.N1	27-JUN-2005 22:55:17	Straylight	90.500	141	Bet Ara	2.8400	4600.0	181	17390	No
74	GOM_NL__2PRFIN20050627_225908_000000272038_00302_17390_4746.N1	27-JUN-2005 22:59:08	Dark	27.000	178	1ot1Sco	3.0220	6550.0	54	17390	Yes
75	GOM_NL__2PRFIN20050627_230011_000000932038_00302_17390_4747.N1	27-JUN-2005 23:00:11	Tw_i_and_stray	92.500	25	35Lam Sco	1.6200	28000.	185	17390	No
76	GOM_NL__2PRFIN20050627_230351_000000912038_00302_17390_4748.N1	27-JUN-2005 23:03:51	Bright	90.500	16	21Alp Sco	1.0200	3000.0	181	17390	No
77	GOM_NL__2PRFIN20050627_230557_000000882038_00302_17390_4749.N1	27-JUN-2005 23:05:57	Bright	88.000	97	8Bet1Sco	2.5610	30000.	176	17390	No
78	GOM_NL__2PRFIN20050627_230810_000000872038_00302_17390_4750.N1	27-JUN-2005 23:08:10	Bright	86.500	98	13Zet Oph	2.5710	30000.	173	17390	No
79	GOM_NL__2PRFIN20050627_231019_000000872038_00302_17390_4751.N1	27-JUN-2005 23:10:19	Bright	87.000	120	1Del Oph	2.7340	3200.0	174	17390	No
80	GOM_NL__2PRFIN20050627_231332_000000862038_00302_17390_4752.N1	27-JUN-2005 23:13:32	Bright	85.500	102	24Alp Ser	2.6000	4250.0	171	17390	No
81	GOM_NL__2PRFIN20050627_231709_000000862038_00302_17390_4753.N1	27-JUN-2005 23:17:09	Bright	86.000	127	27Bet Her	2.7810	4700.0	172	17390	No
82	GOM_NL__2PRFIN20050627_231914_000000852038_00302_17390_4754.N1	27-JUN-2005 23:19:14	Bright	85.000	67	5Alp CrB	2.2210	11000.	170	17390	No
83	GOM_NL__2PRFIN20050627_233215_000001022038_00302_17390_4755.N1	27-JUN-2005 23:32:15	Bright	102.00	60	7Bet UMi	2.0810	3950.0	204	17390	No

3. Quality information per product

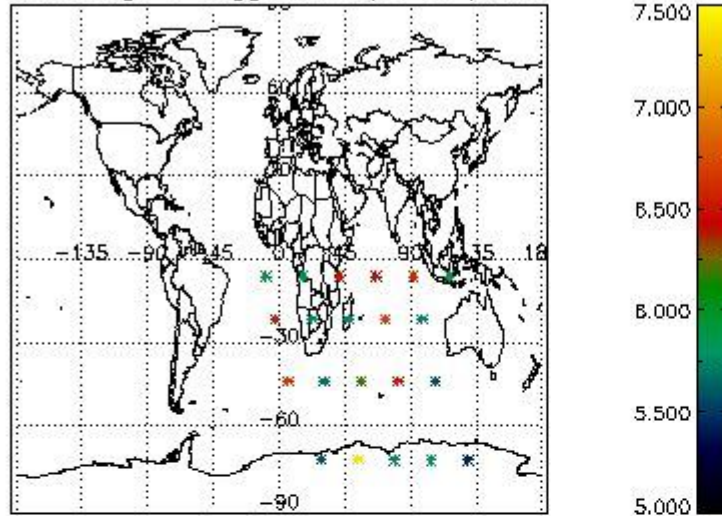
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

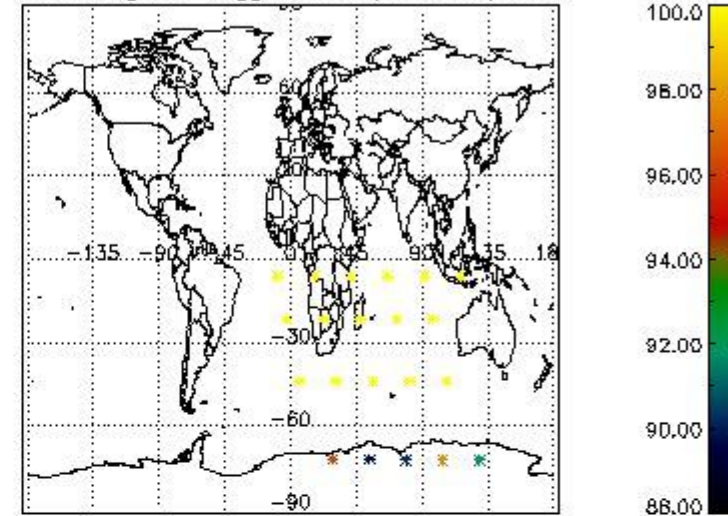


3.2 Plot quality information per product (world map)

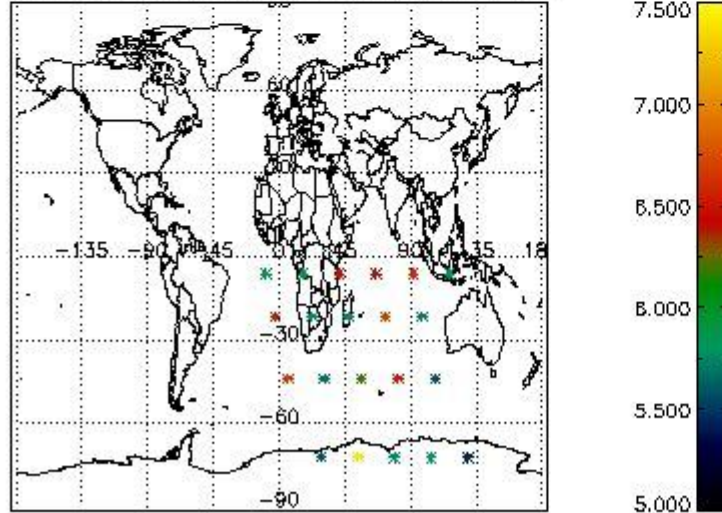
Percentage of flagged data per O3 profile



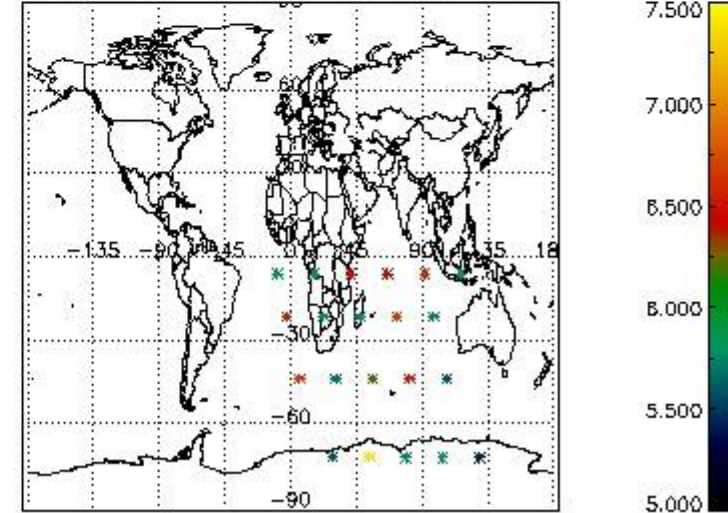
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

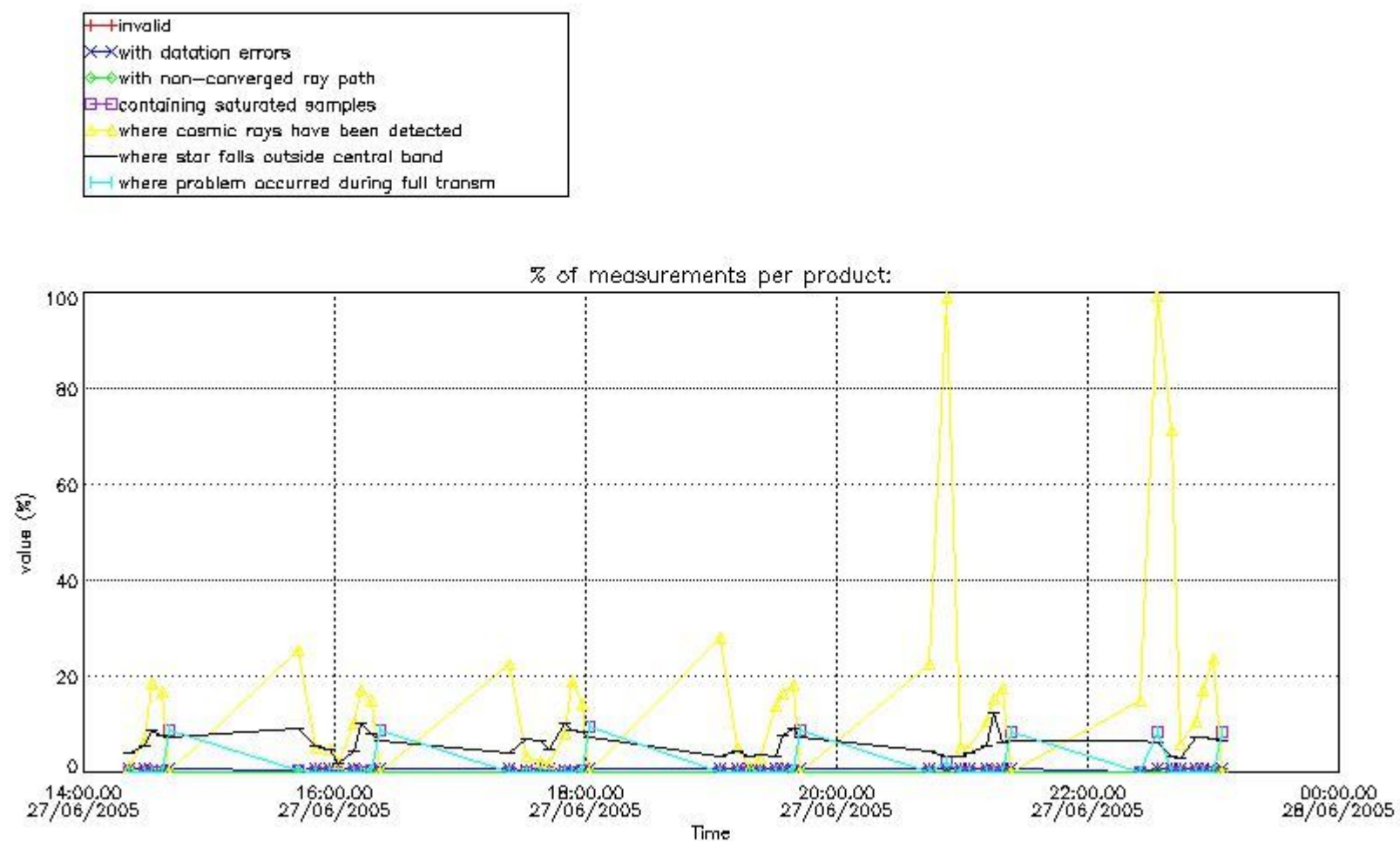


4. Level 1 quality information per product

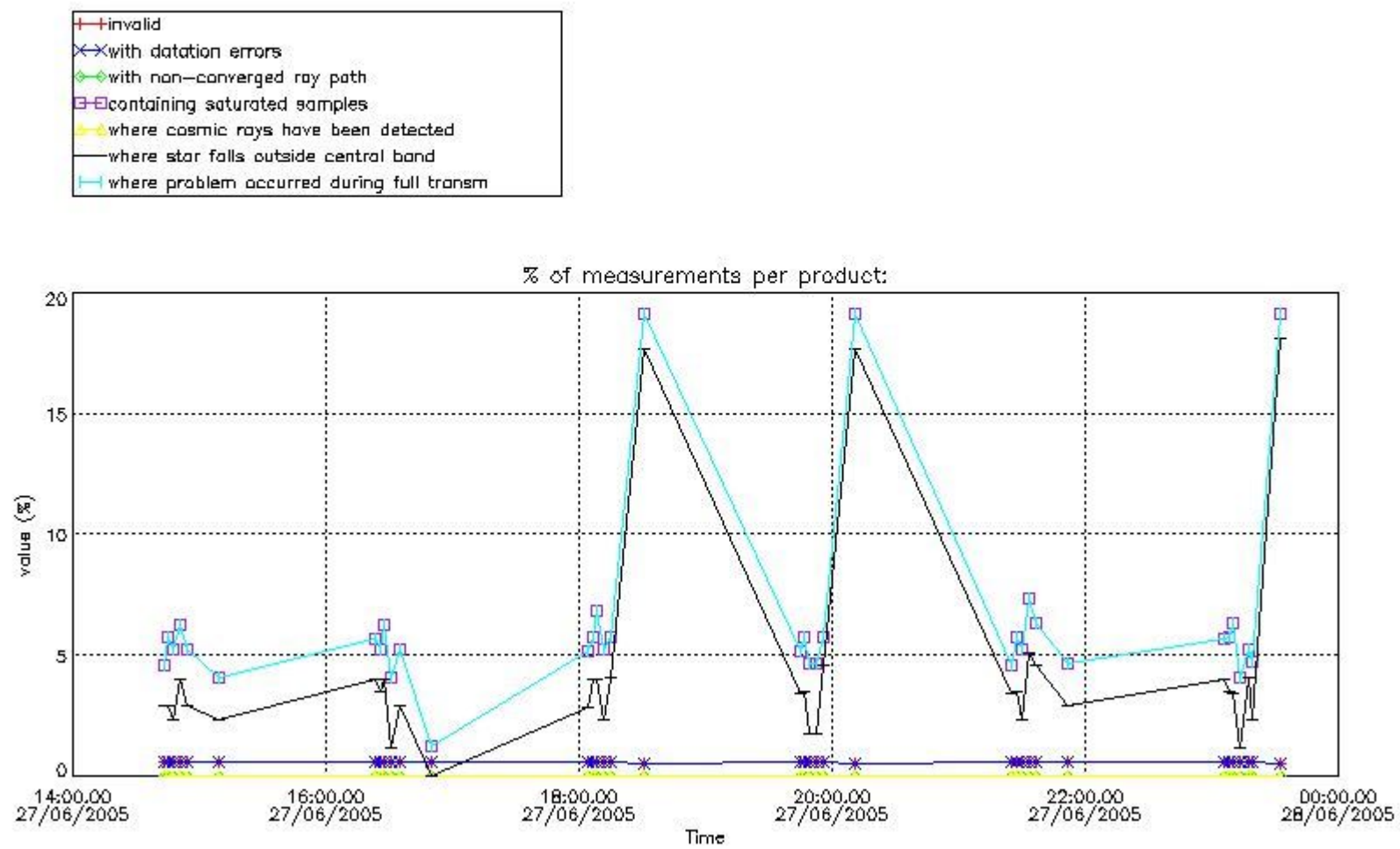
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



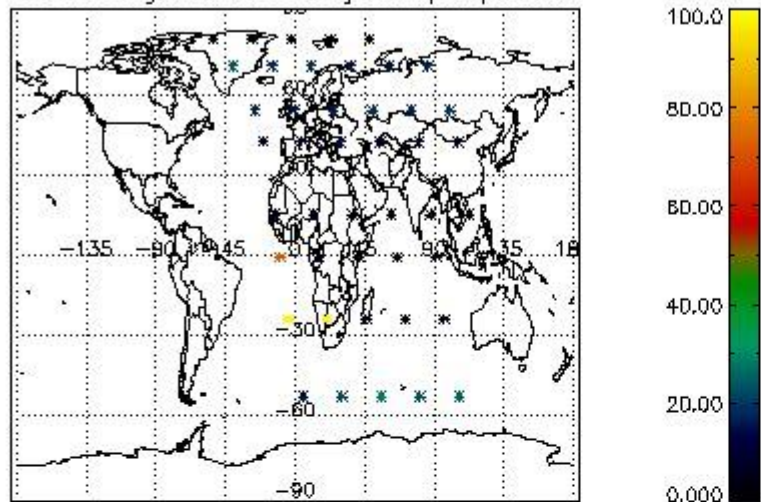
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



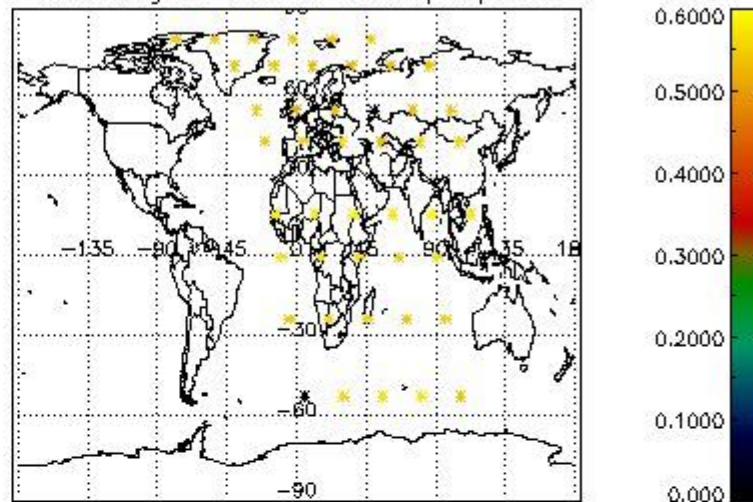
4.2 Plot quality information per product coming from level 1b processing (world map)

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

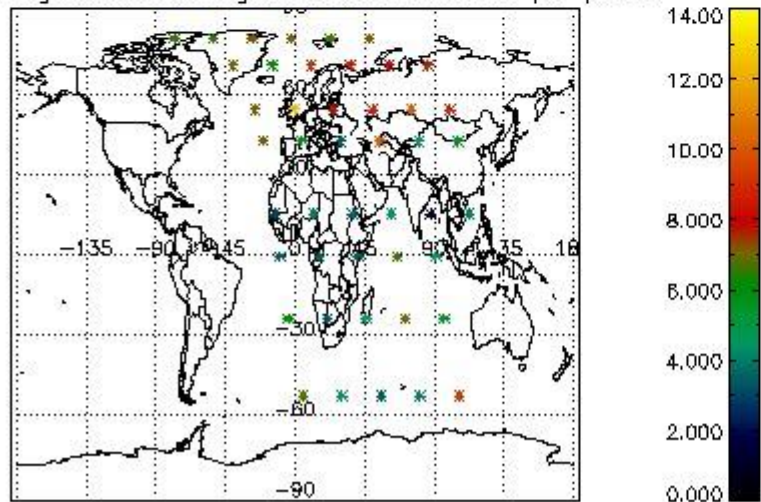
Percentage of cosmic ray hits per profile



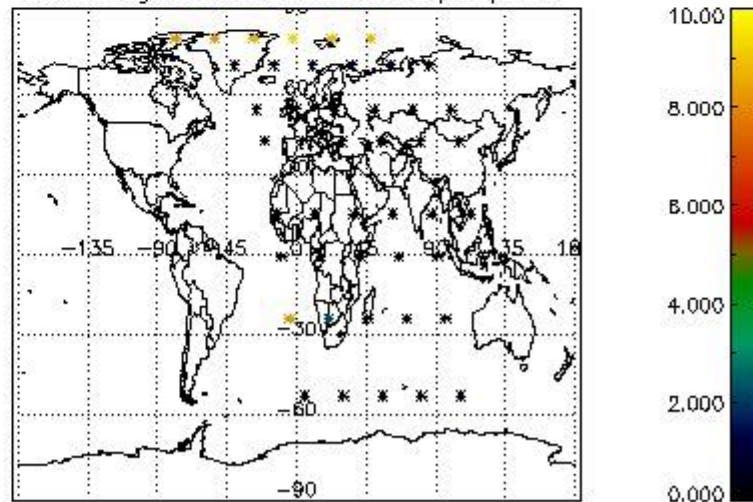
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

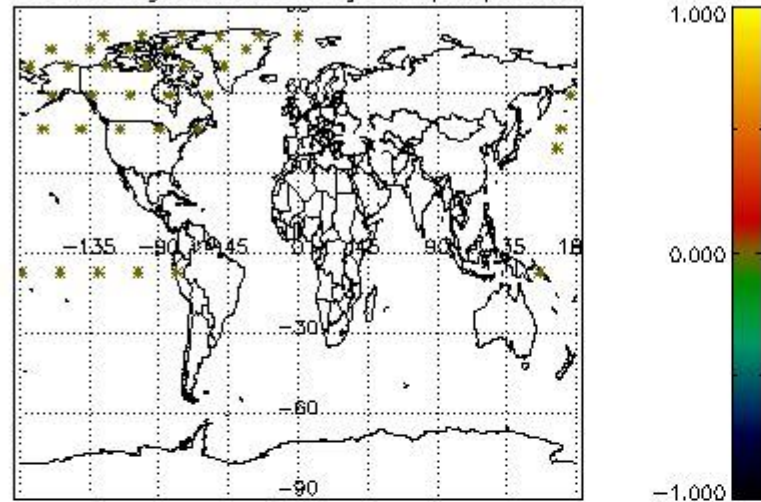


Percentage of saturation errors per profile

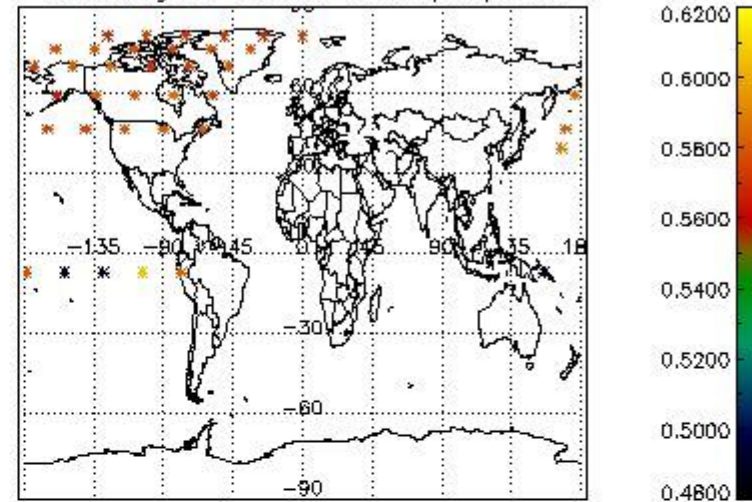


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

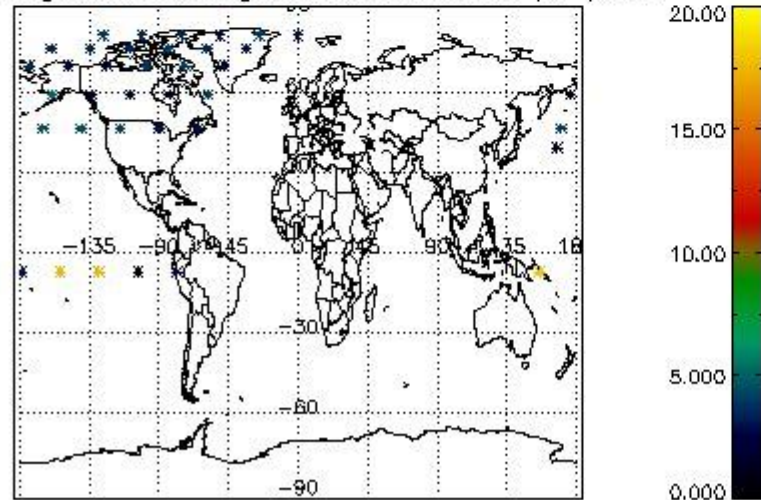
Percentage of cosmic ray hits per profile



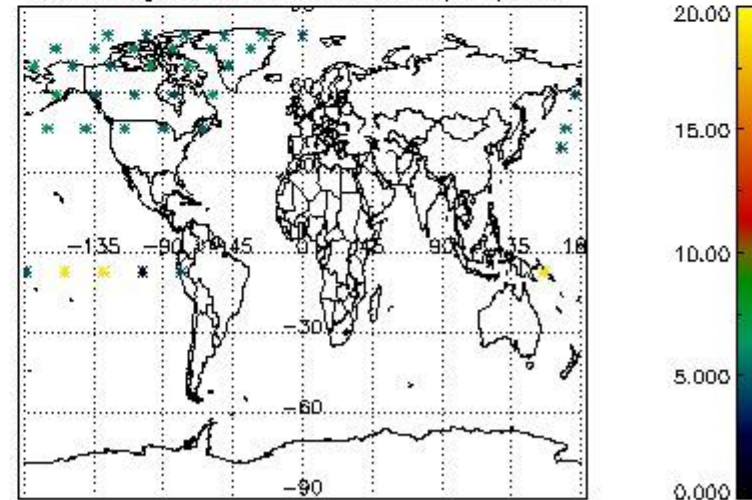
Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

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

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

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

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

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

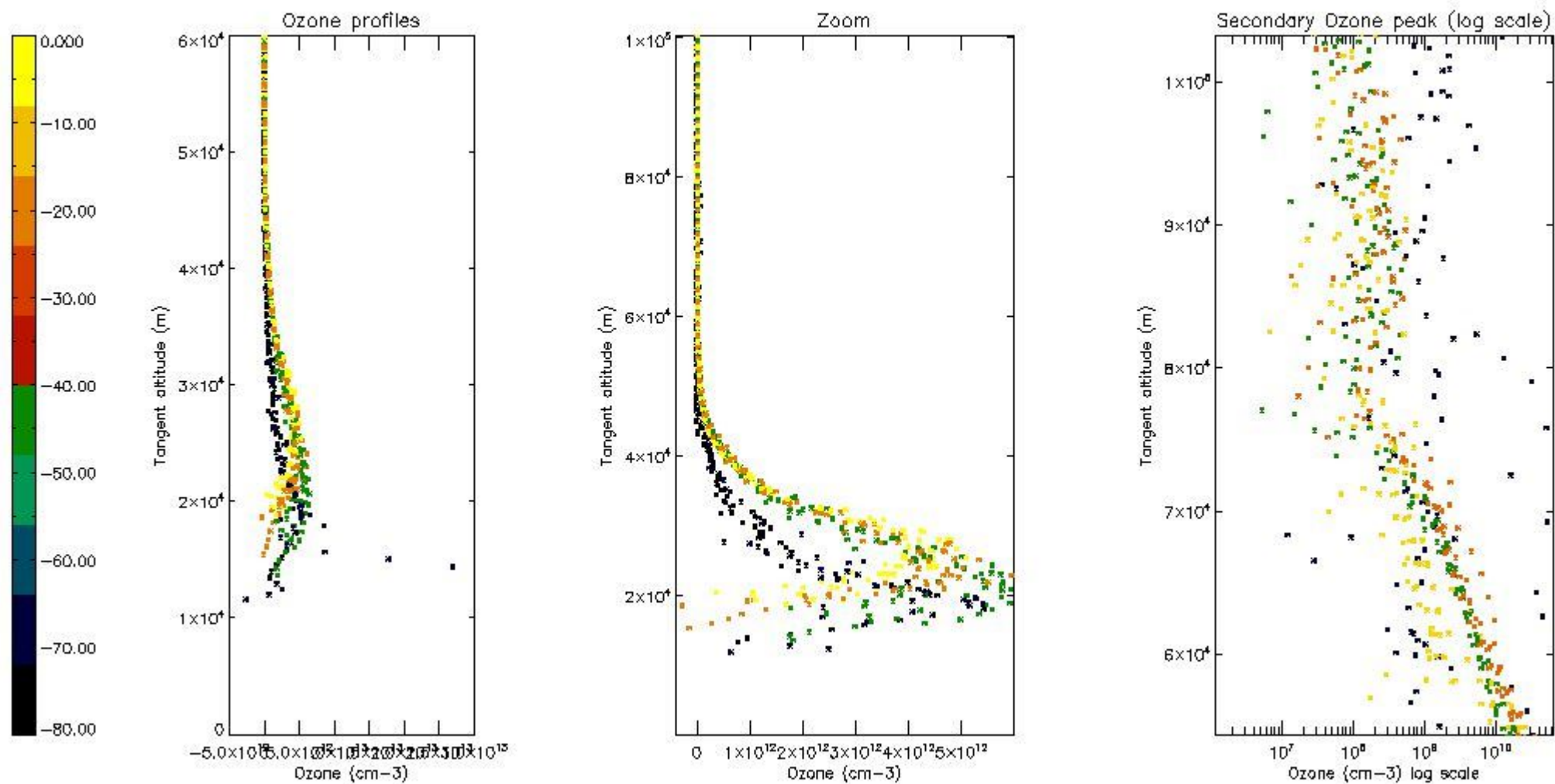
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	26.000
STD < 20	4.0000

STD < 10	2.0000
STD < 5	NaN

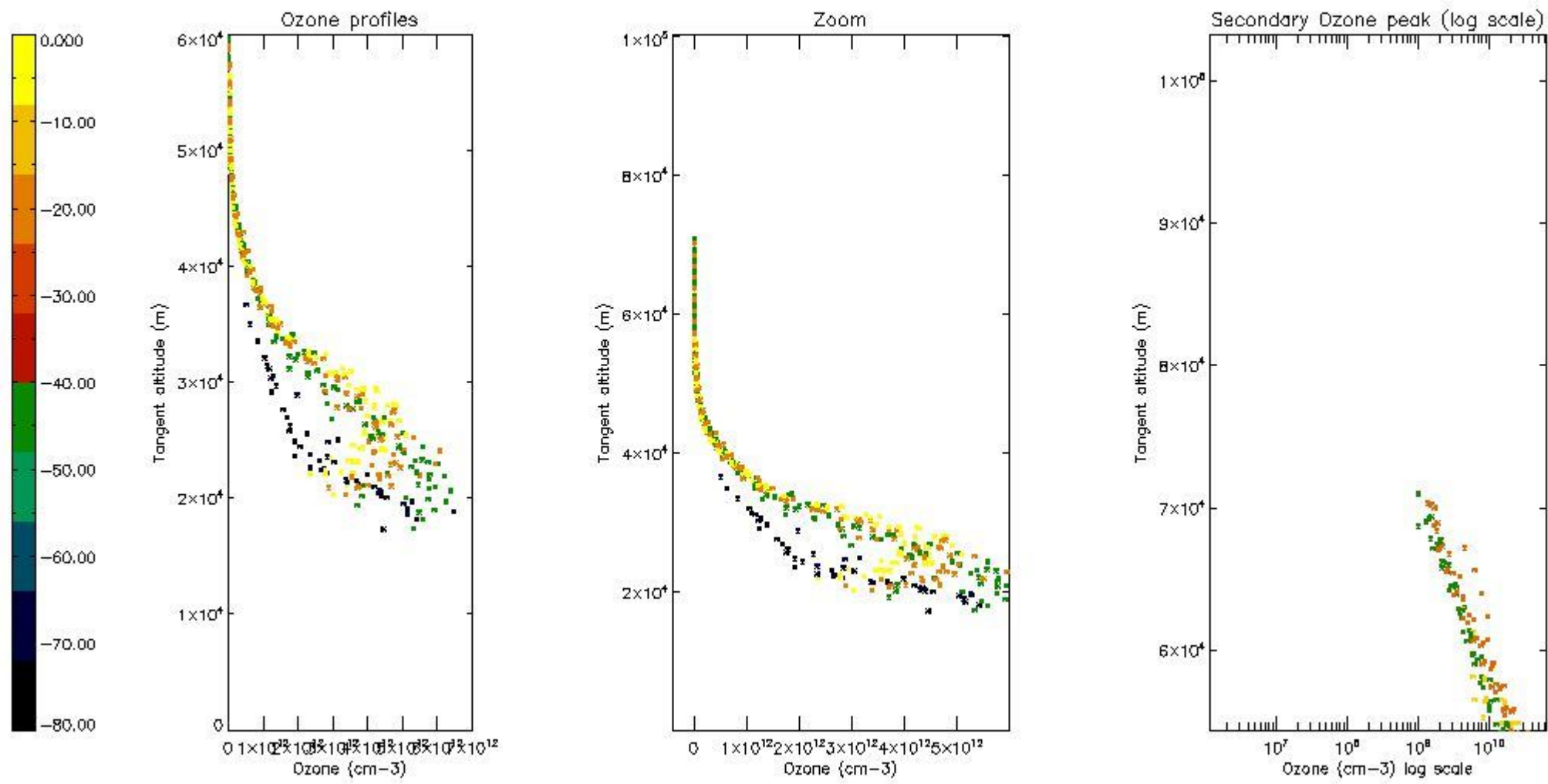
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



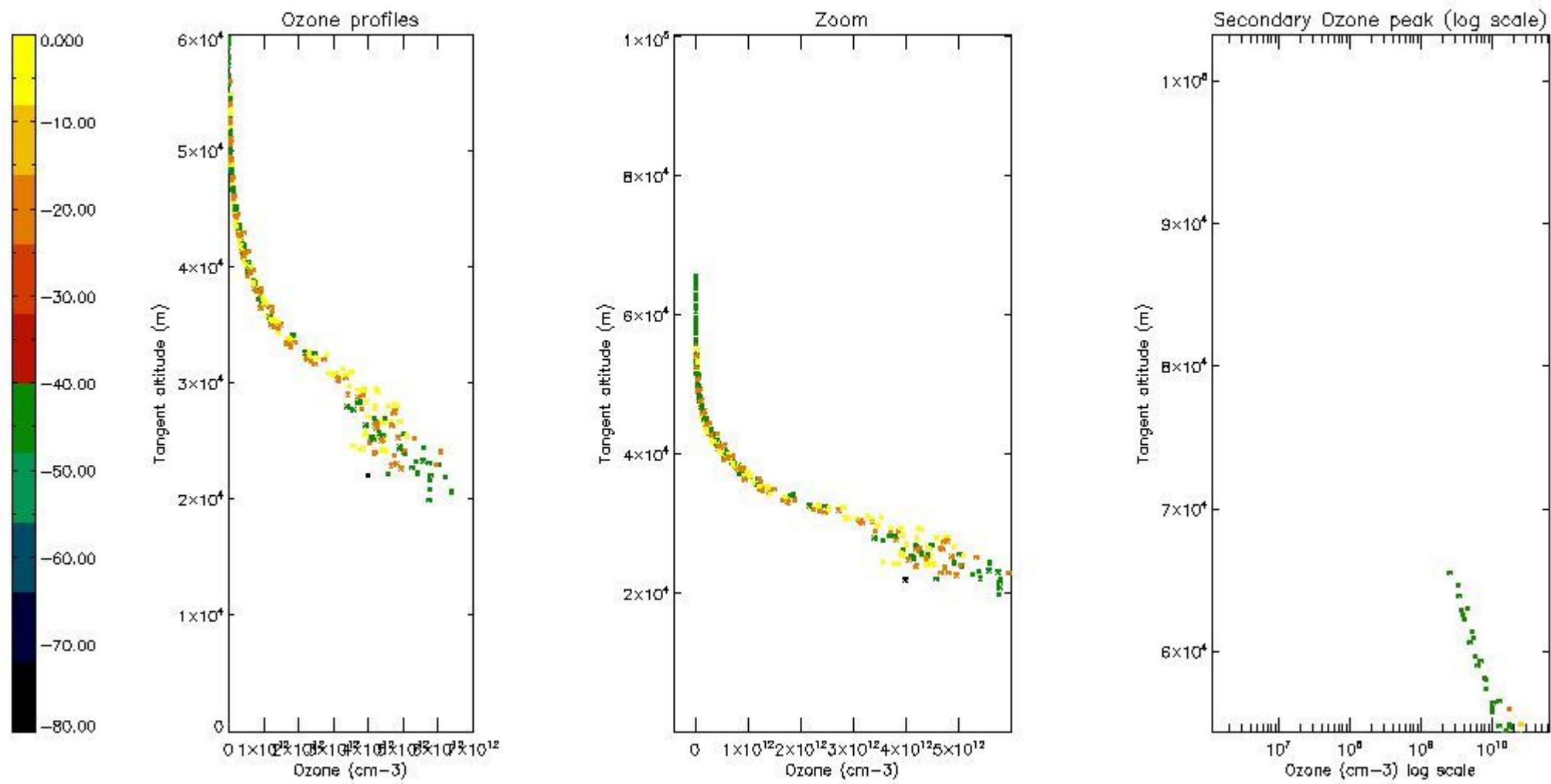
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



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

The colorbar represents the latitude.

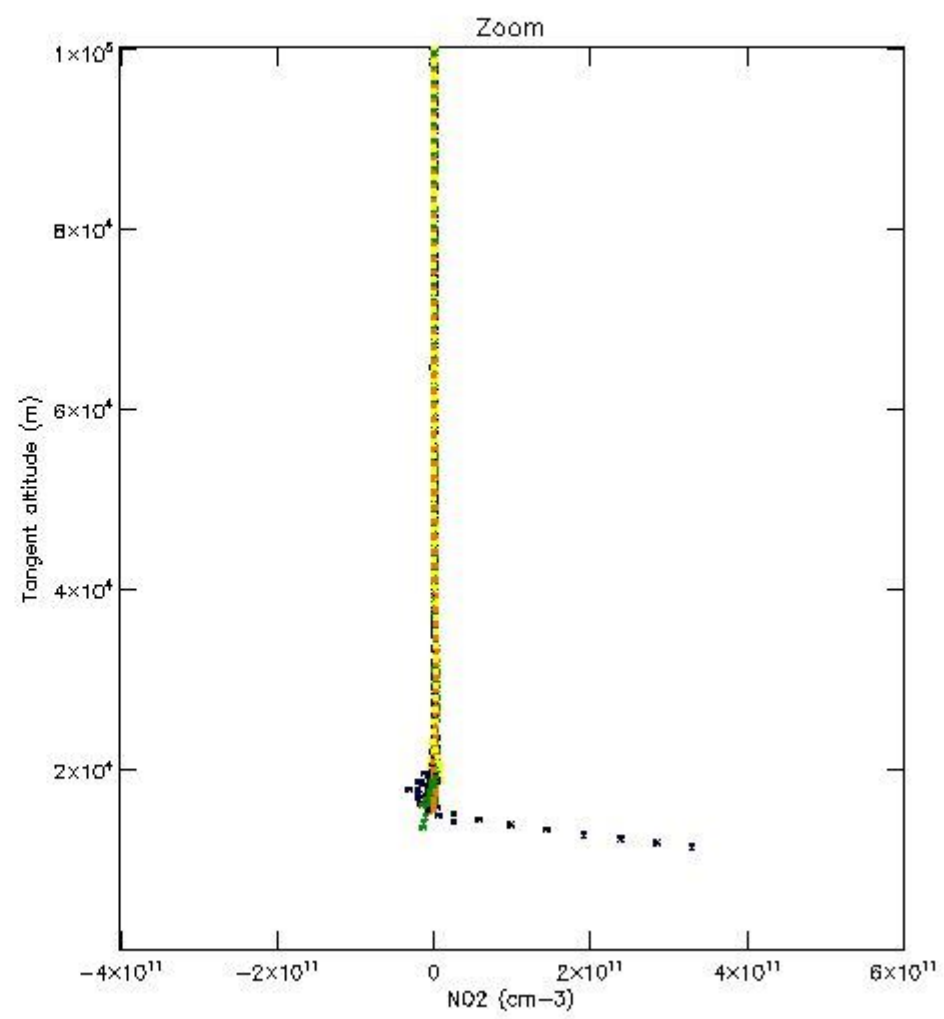
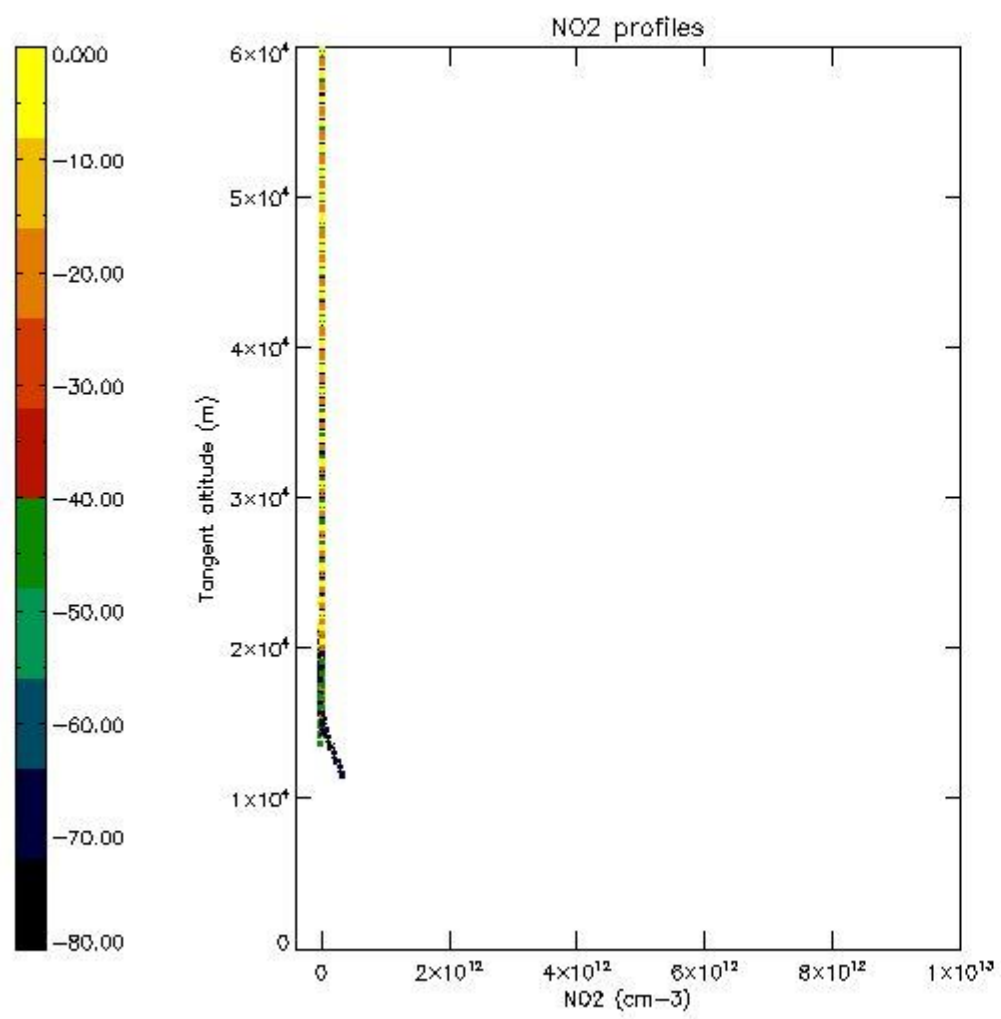


5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.

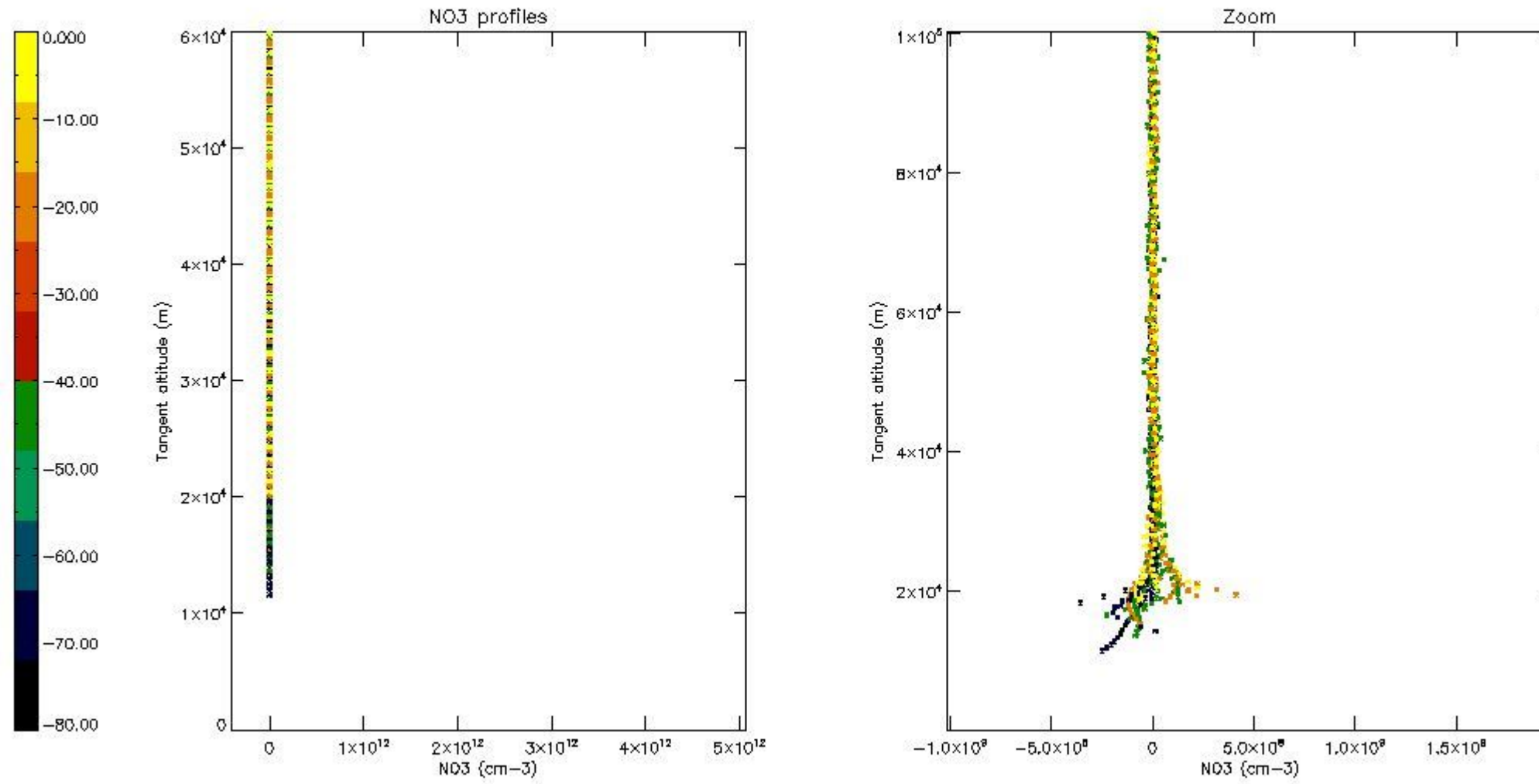
5.6 Plot NO2 profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

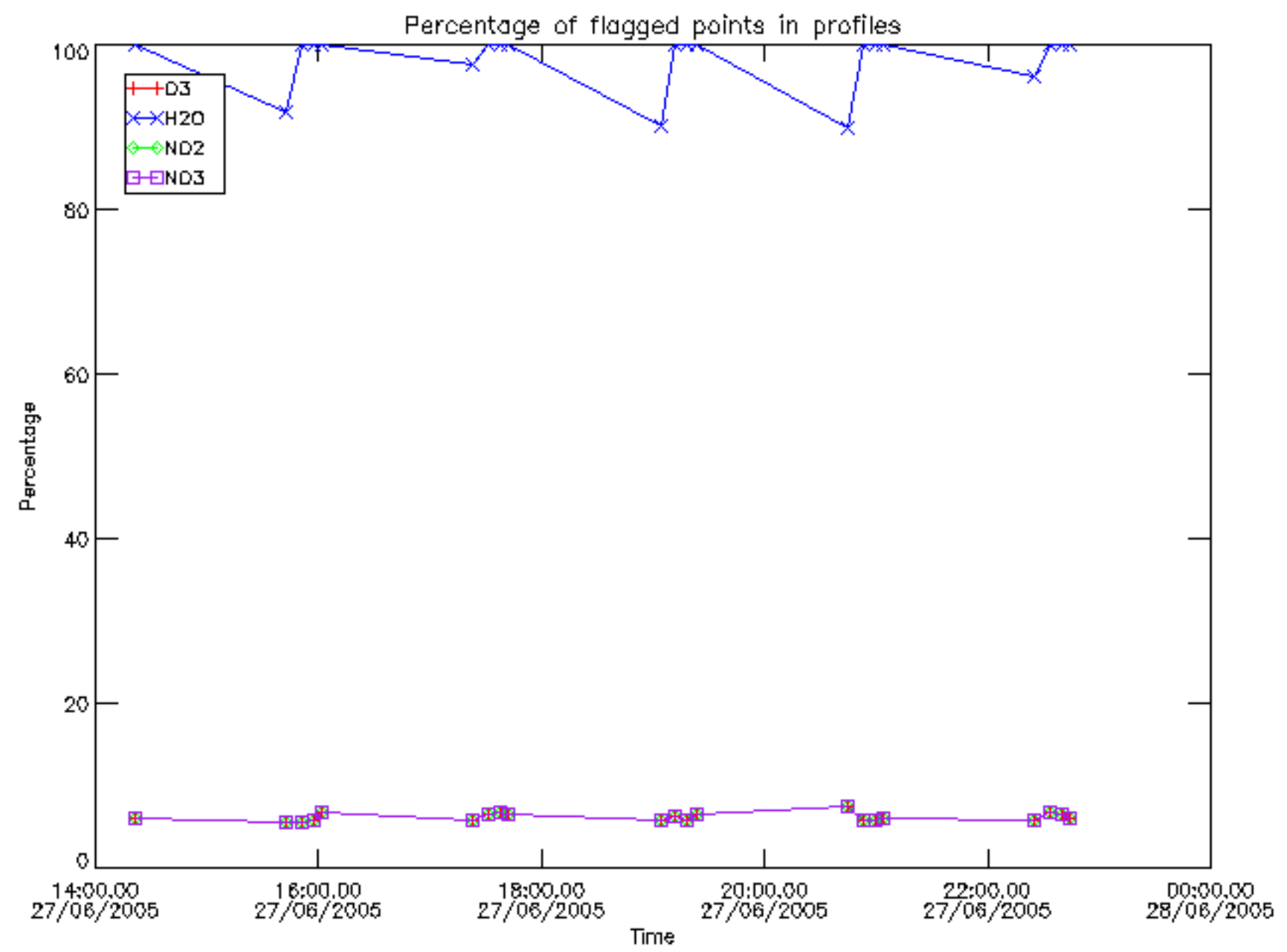
The colorbar represents the latitude.



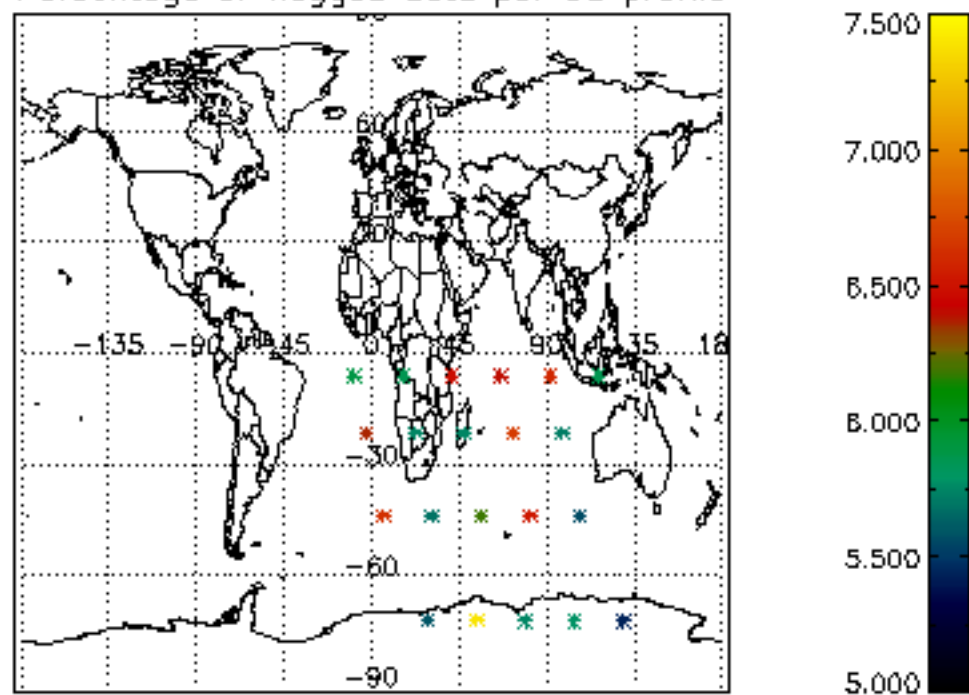
6. Auxiliary Data Files used for the production reported in section 2

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

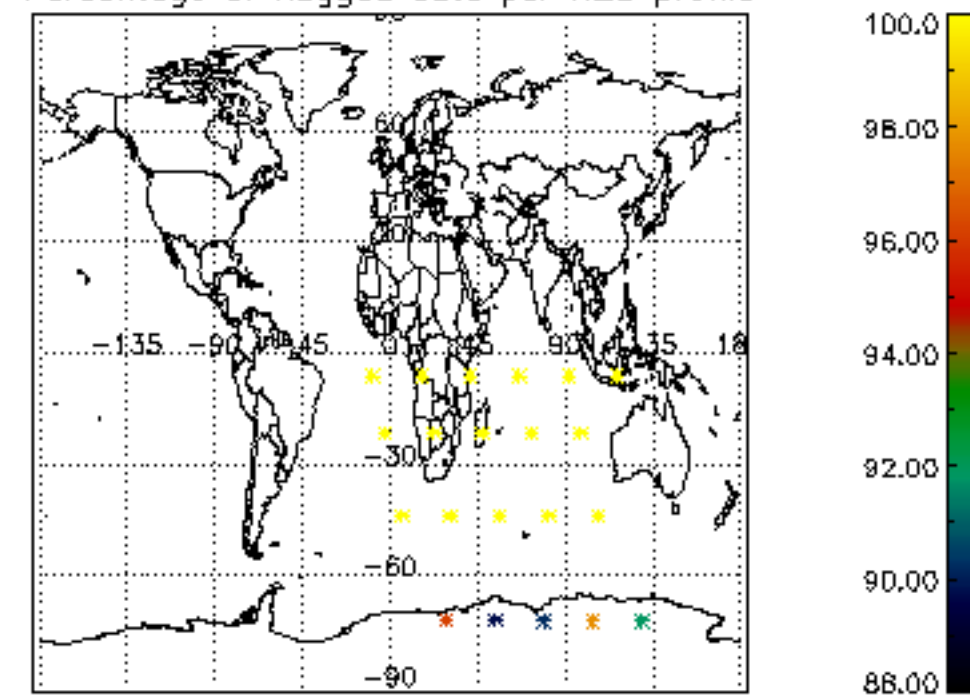
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	27-JUN-2005 14:21:16
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	27-JUN-2005 14:21:16
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	27-JUN-2005 14:21:16



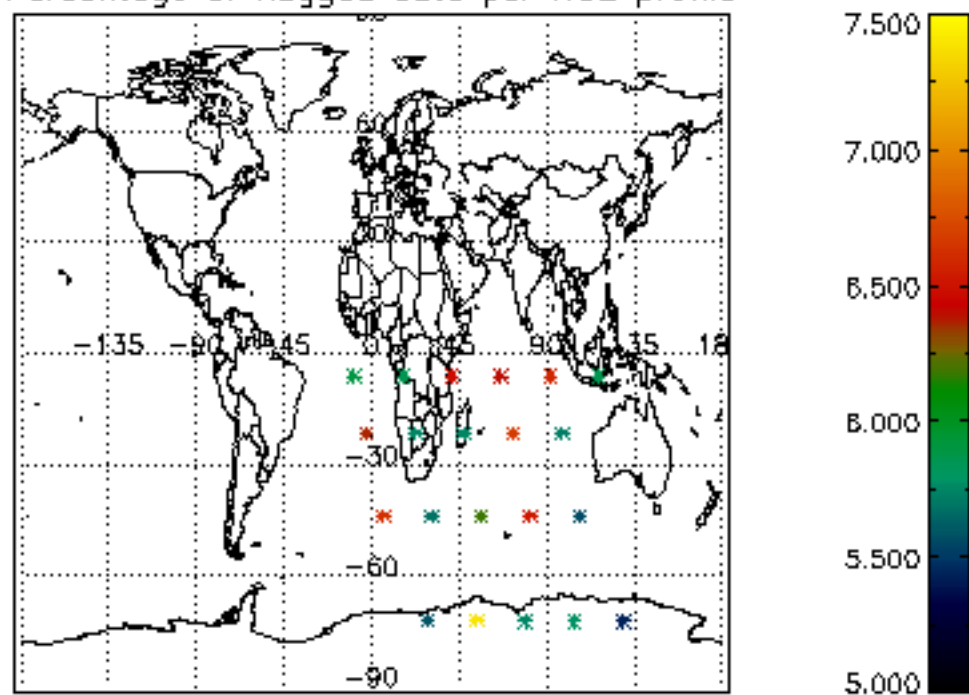
Percentage of flagged data per D3 profile



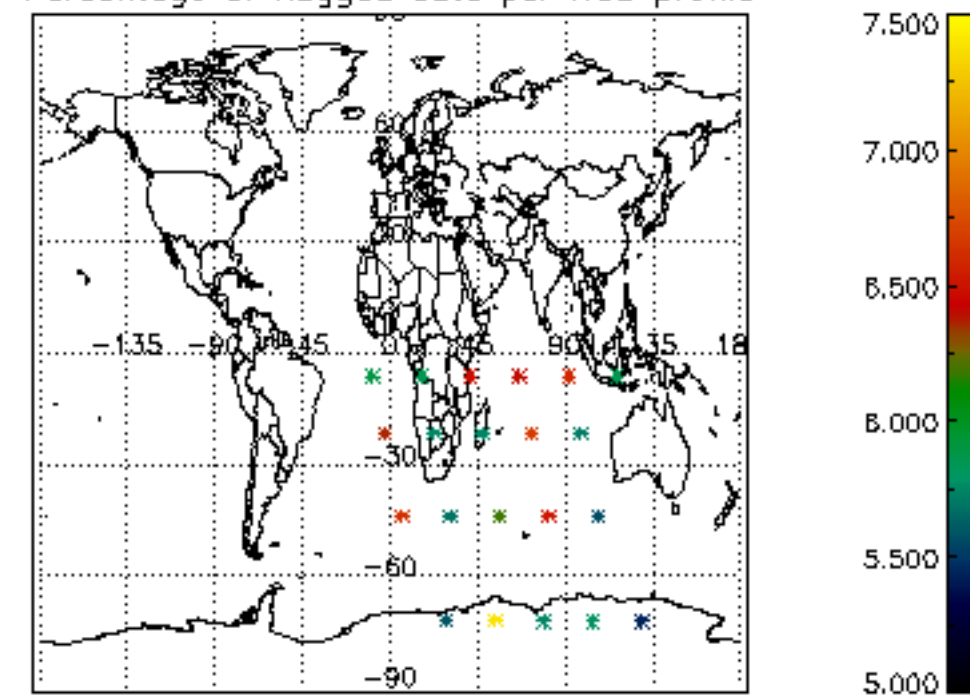
Percentage of flagged data per H2O profile

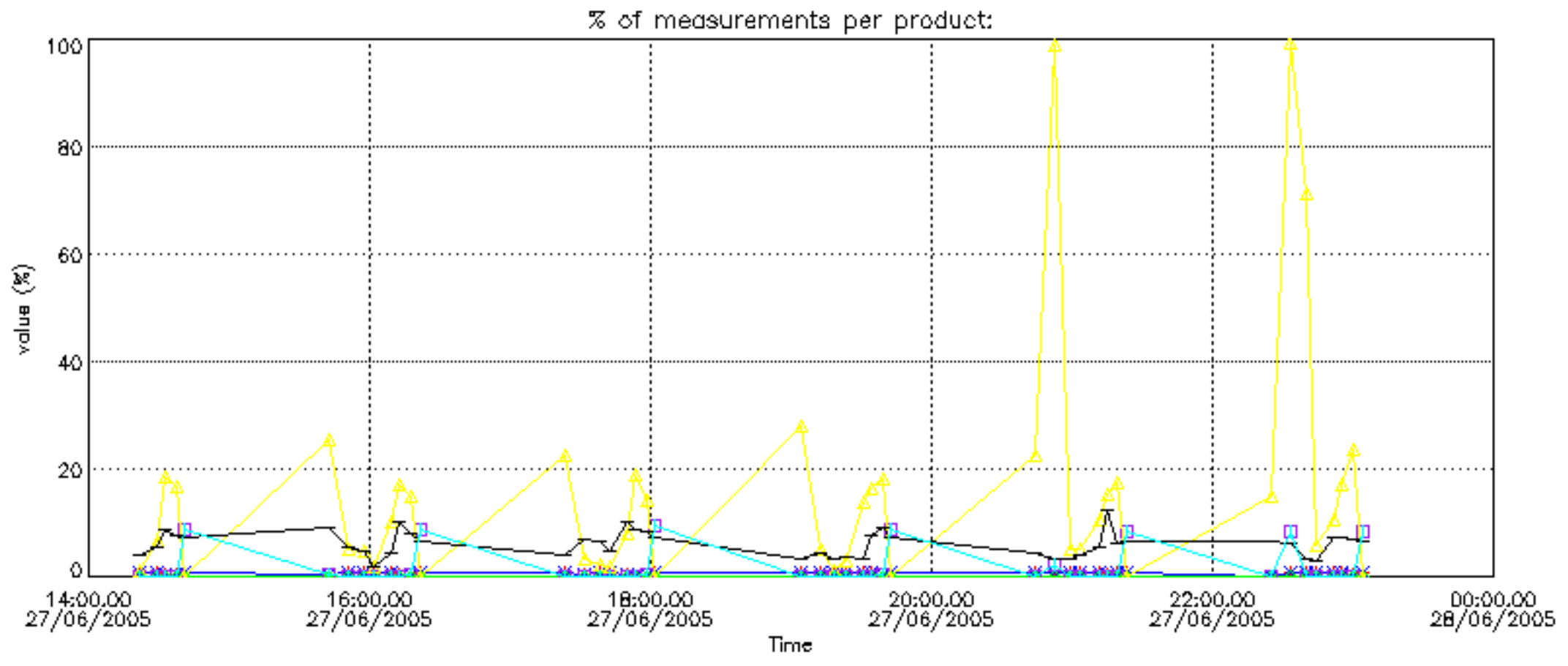


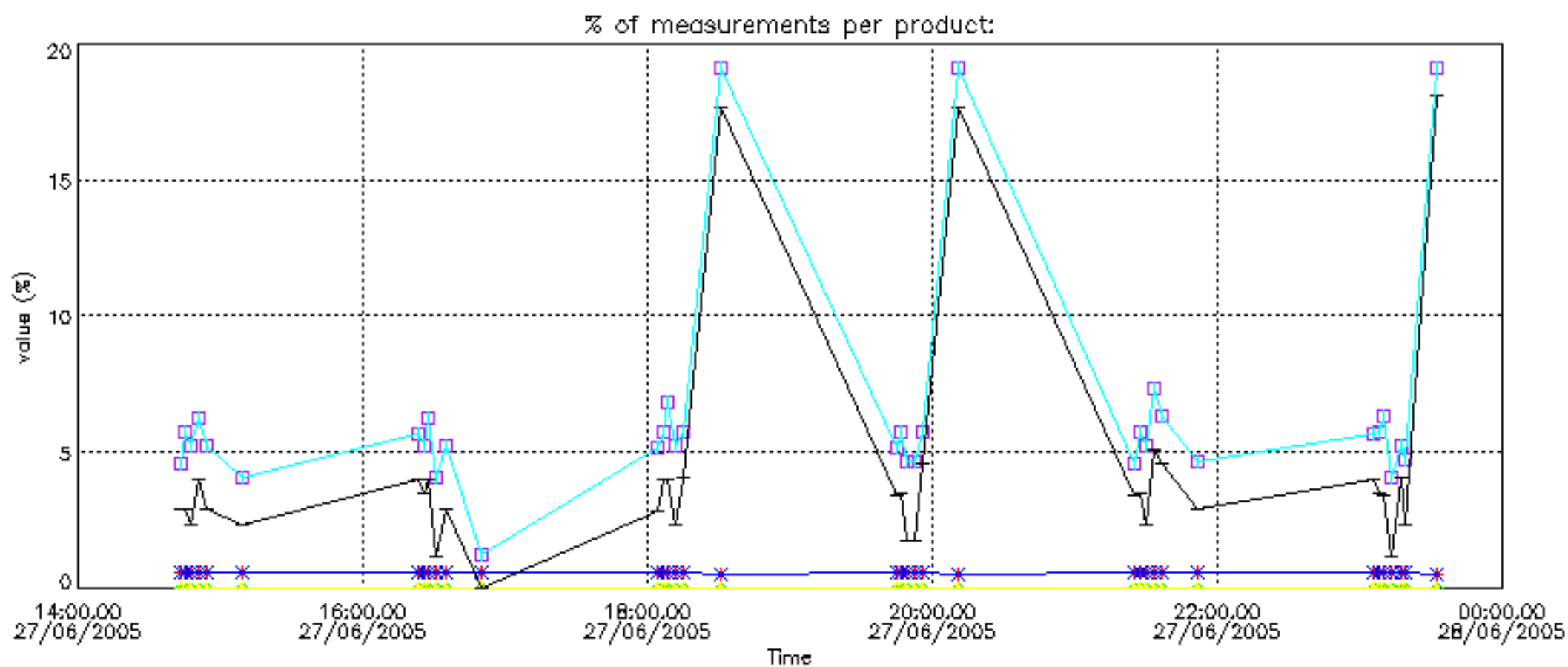
Percentage of flagged data per NO2 profile



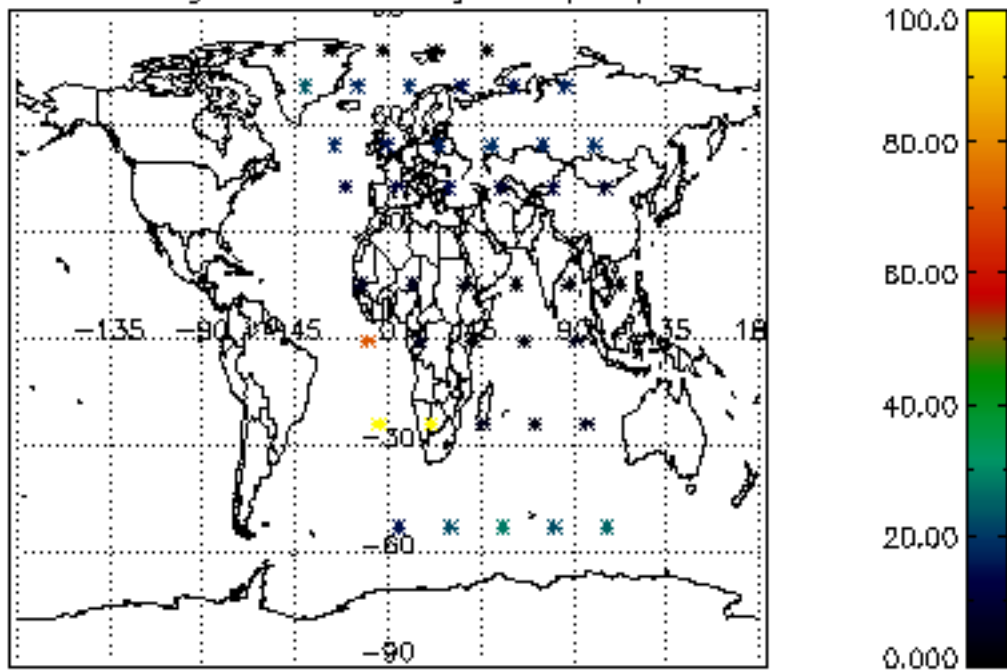
Percentage of flagged data per NO3 profile



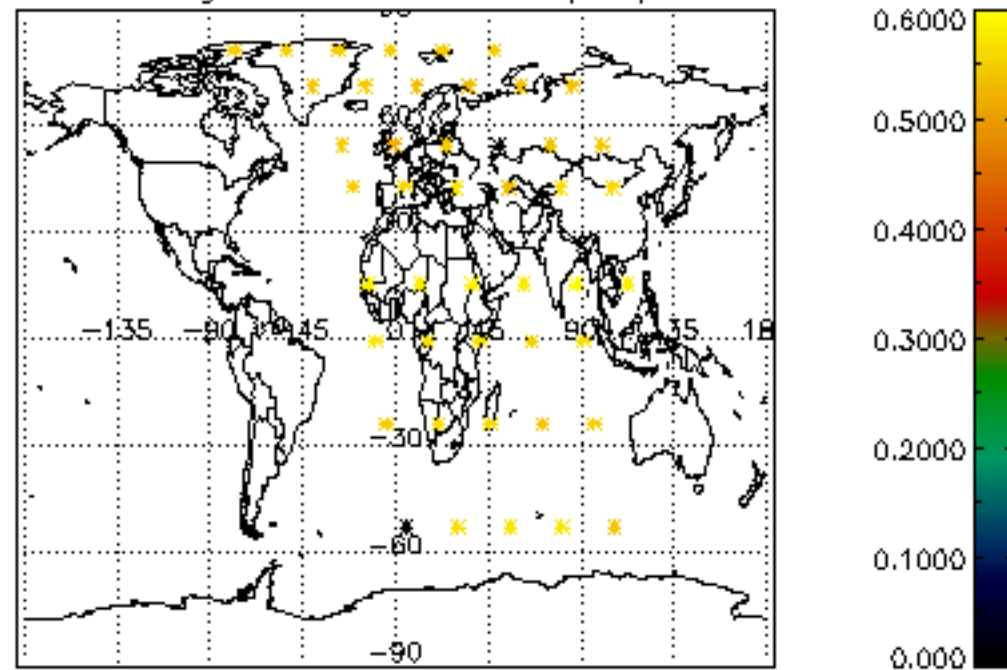




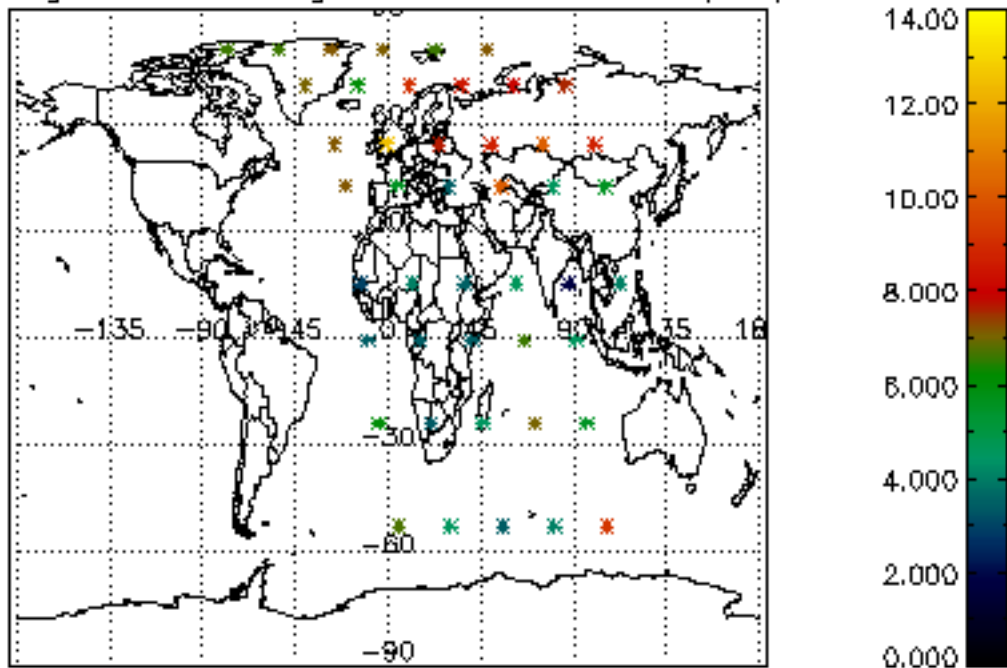
Percentage of cosmic ray hits per profile



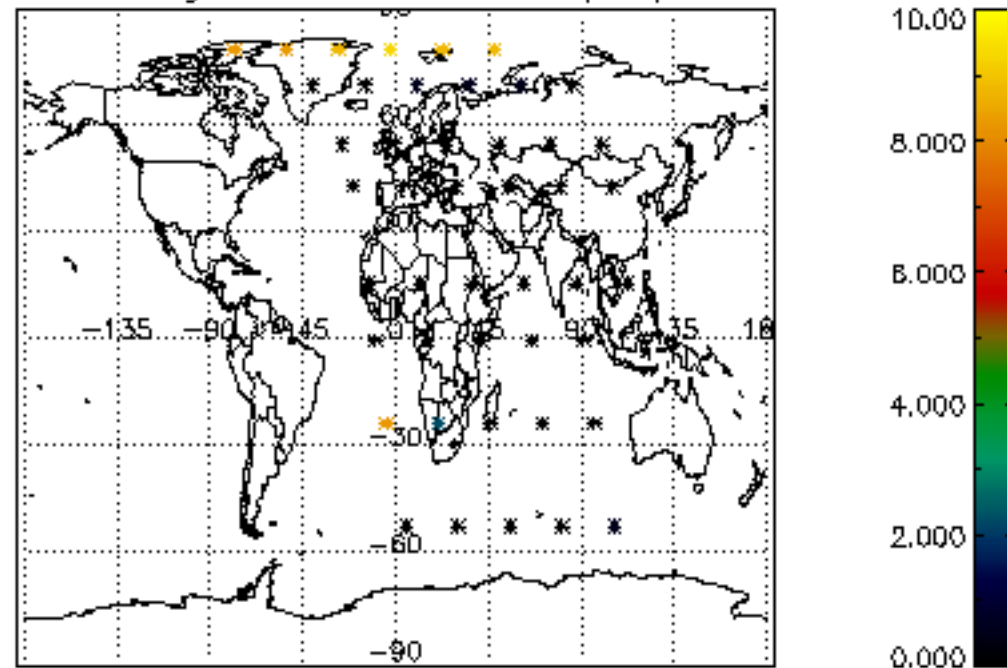
Percentage of datation errors per profile



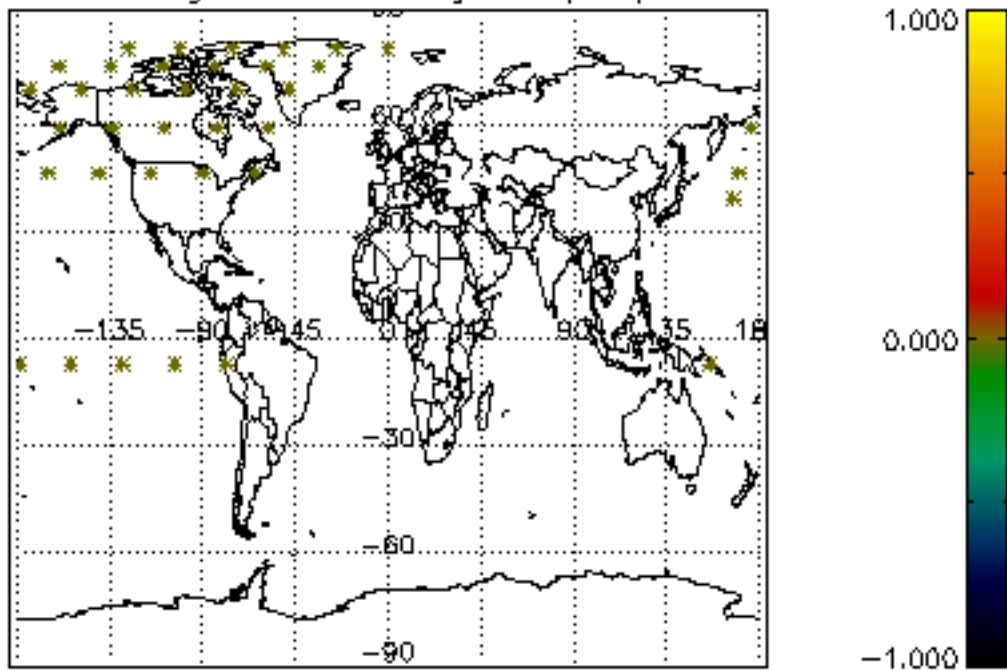
Percentage of star falling outside central band per profile



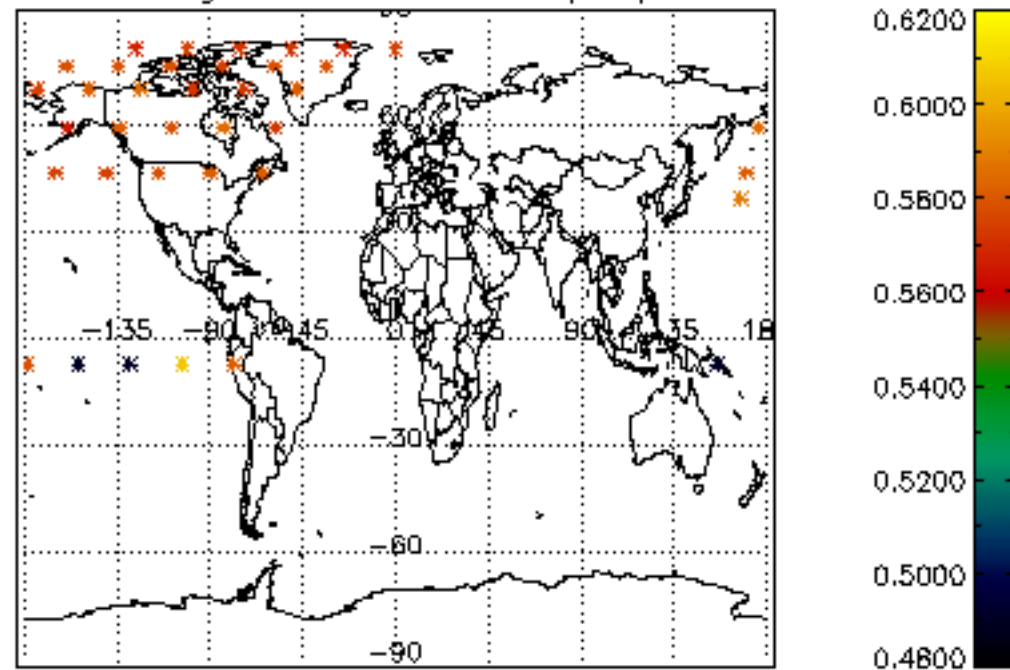
Percentage of saturation errors per profile



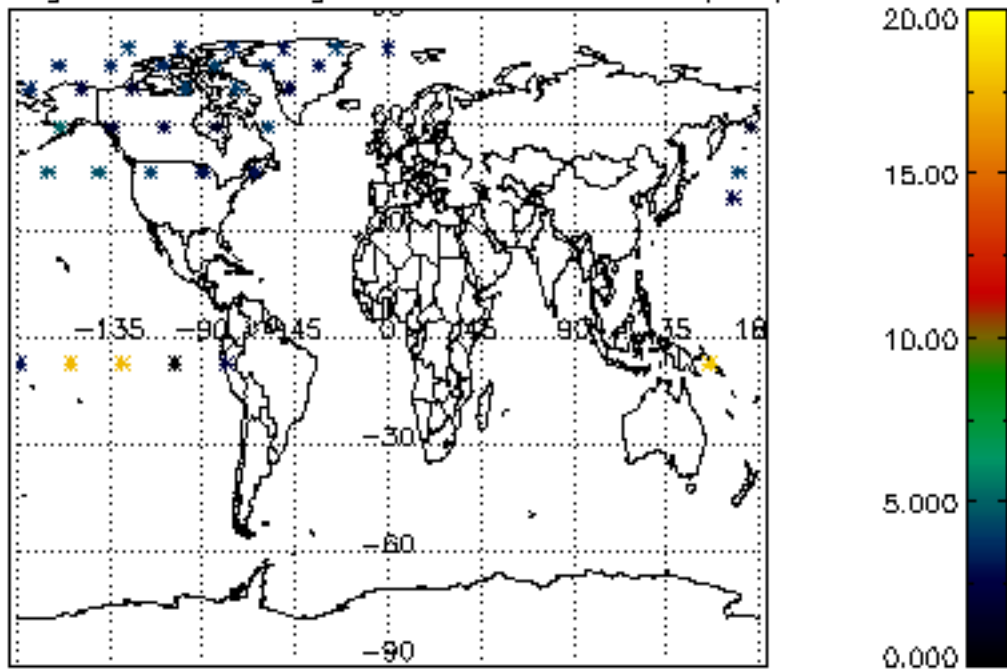
Percentage of cosmic ray hits per profile



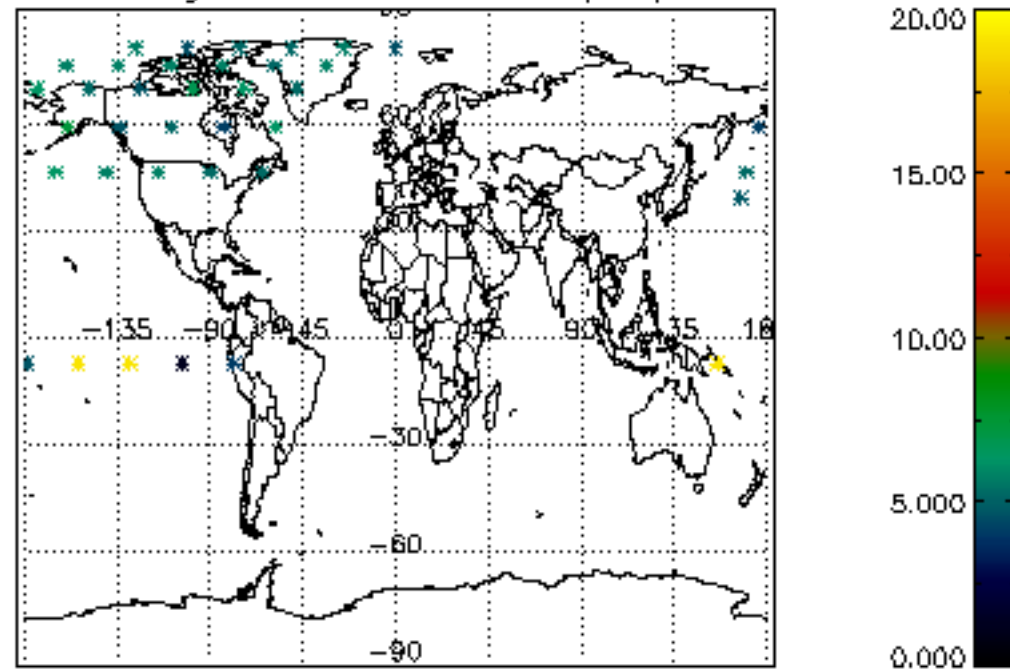
Percentage of datation errors per profile

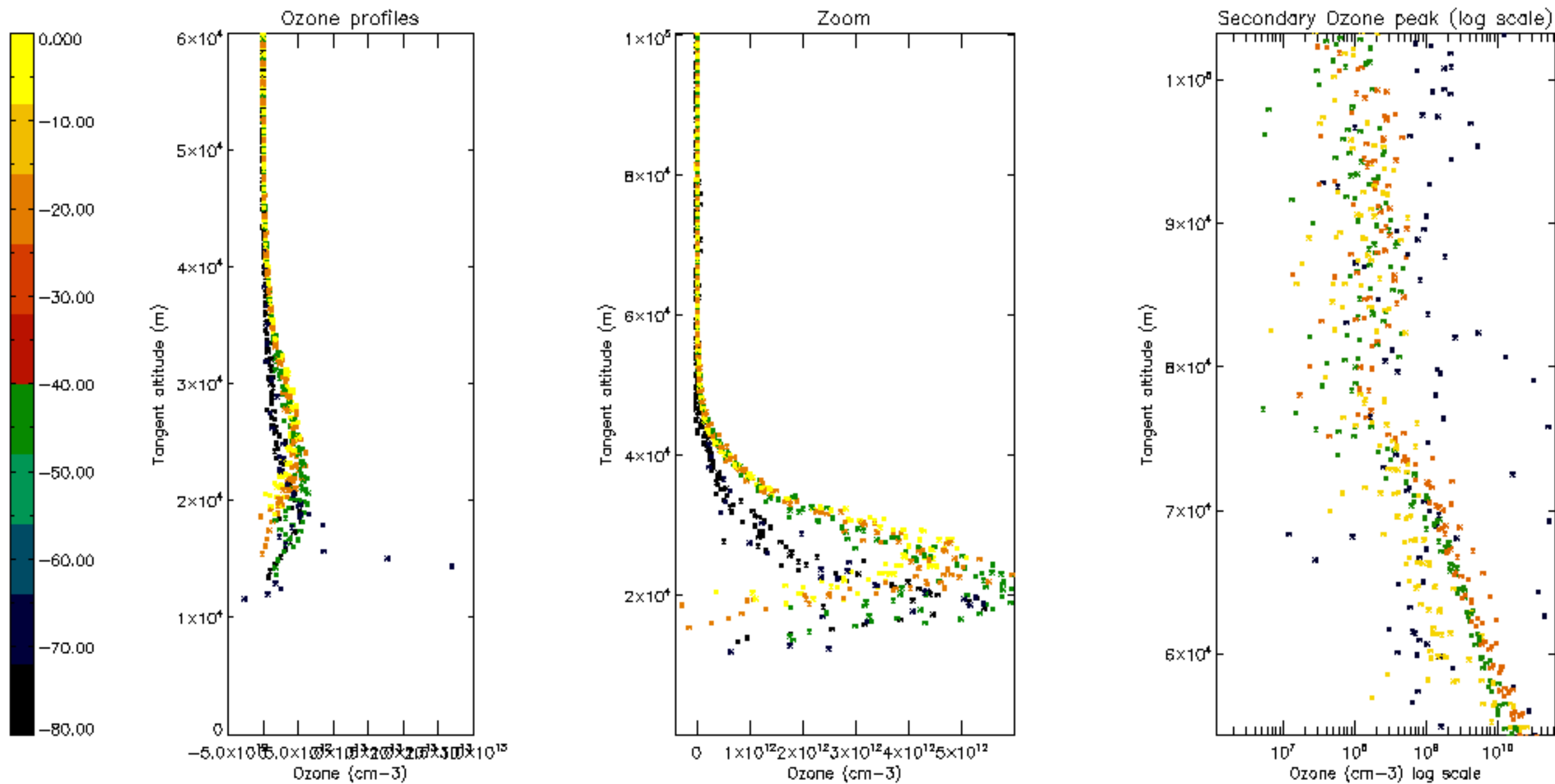


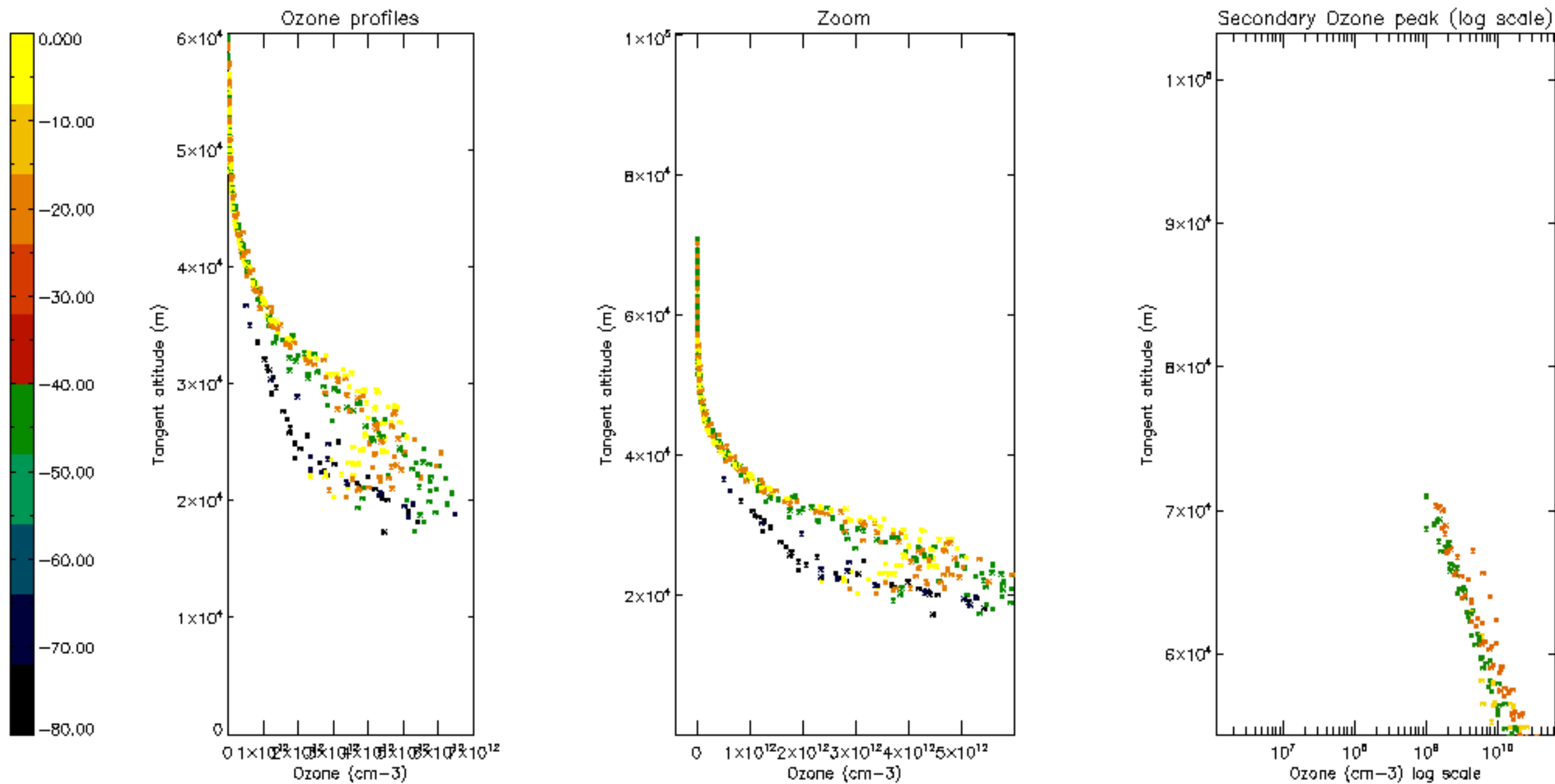
Percentage of star falling outside central band per profile

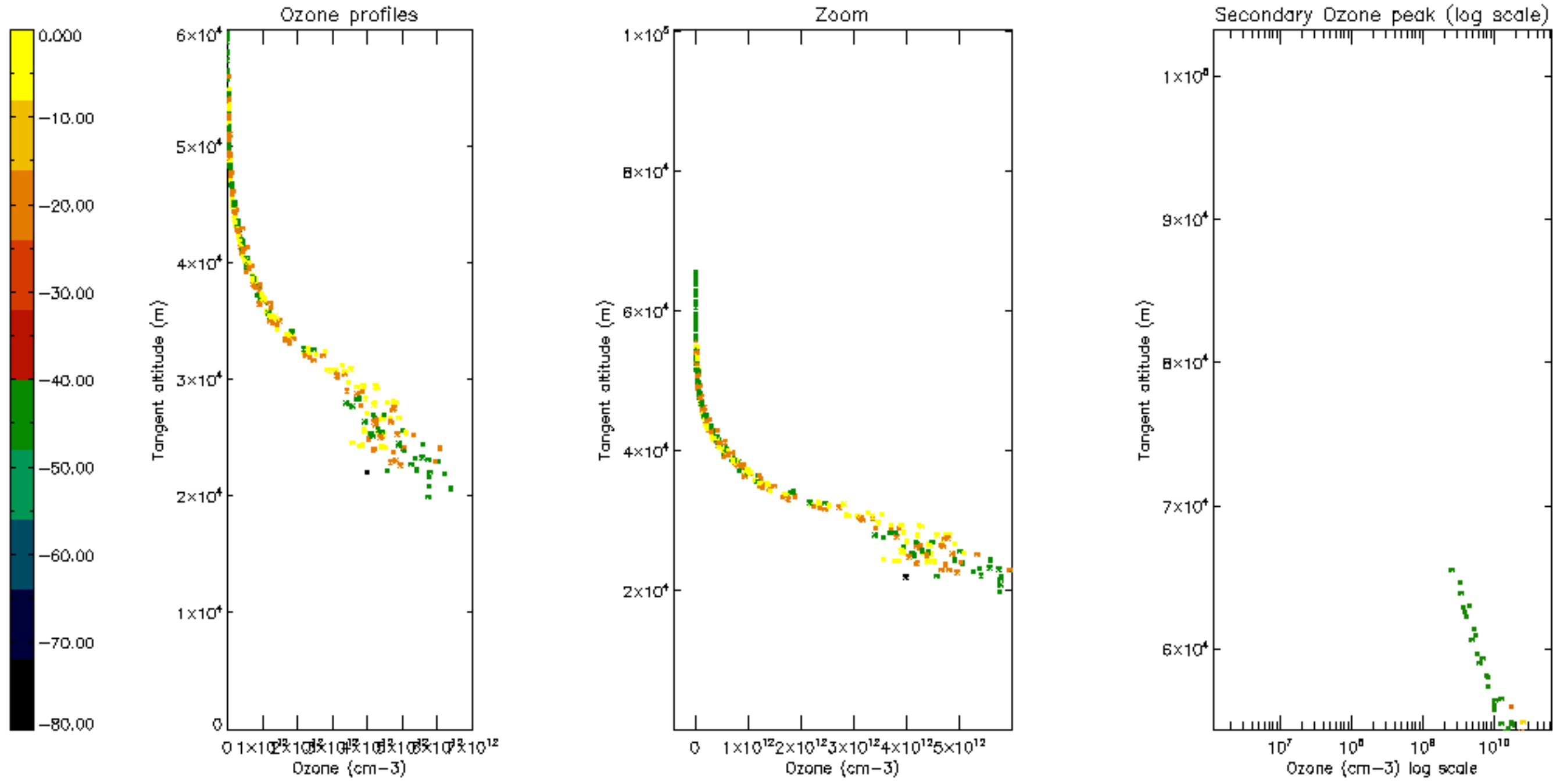


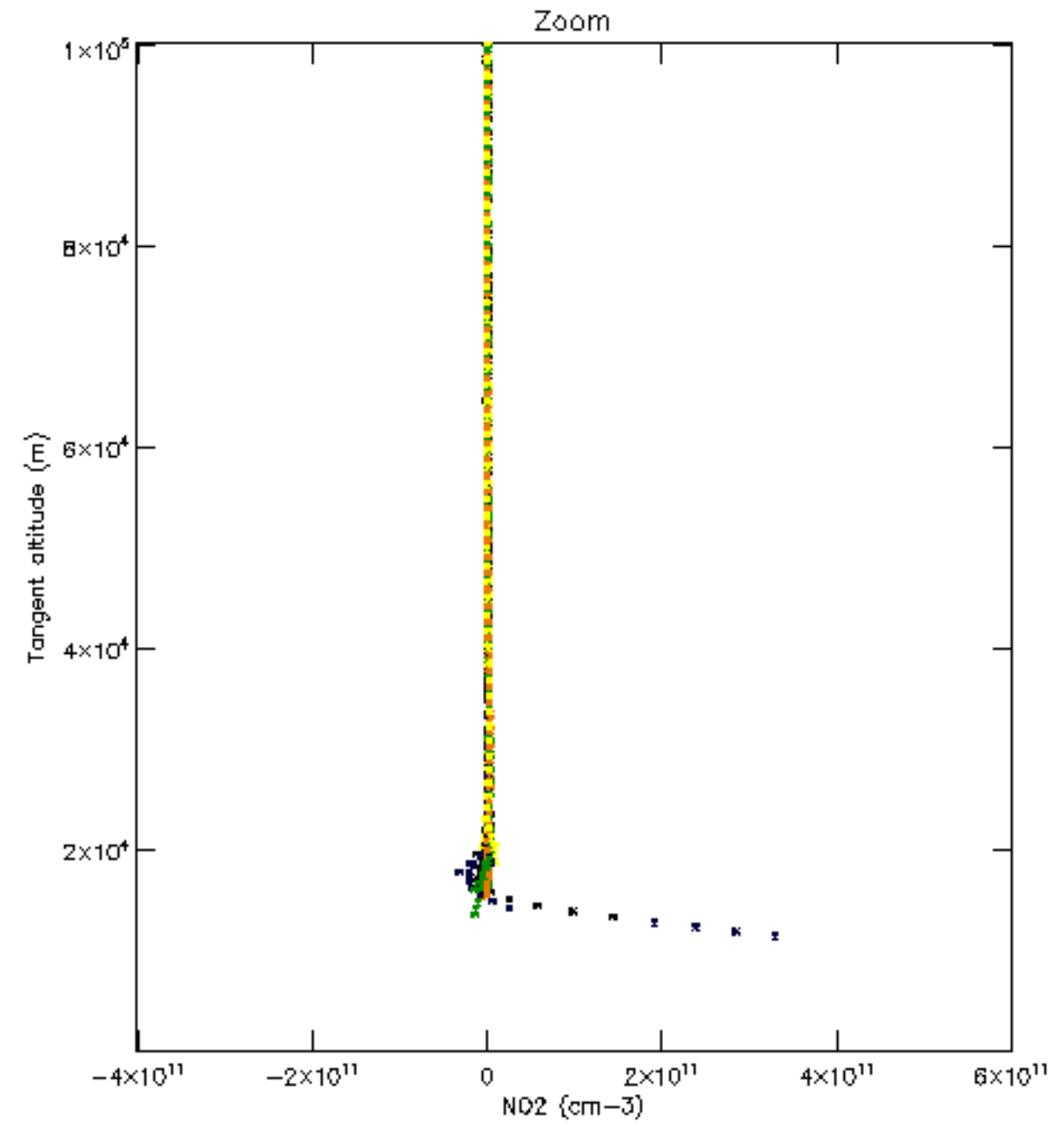
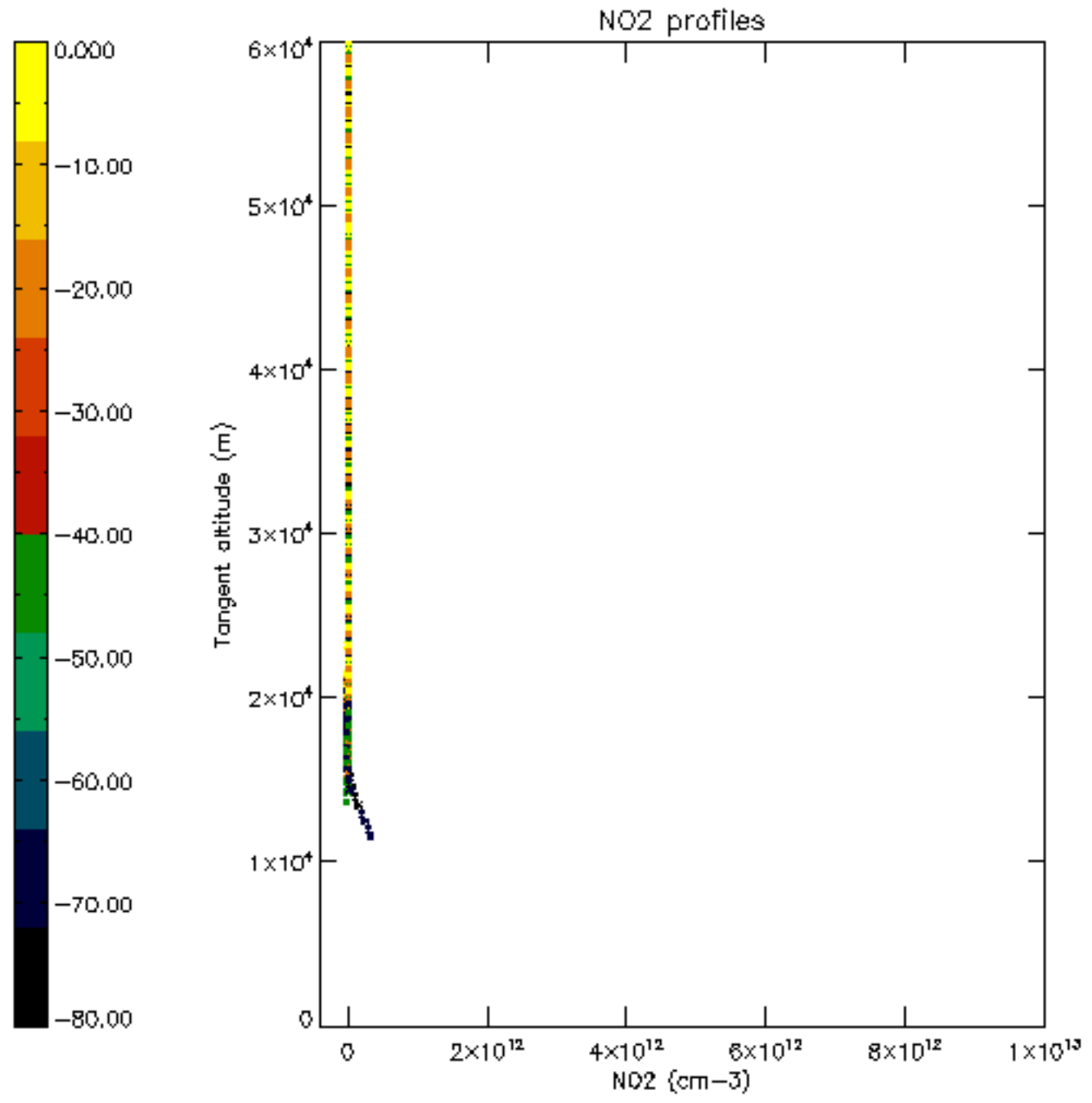
Percentage of saturation errors per profile

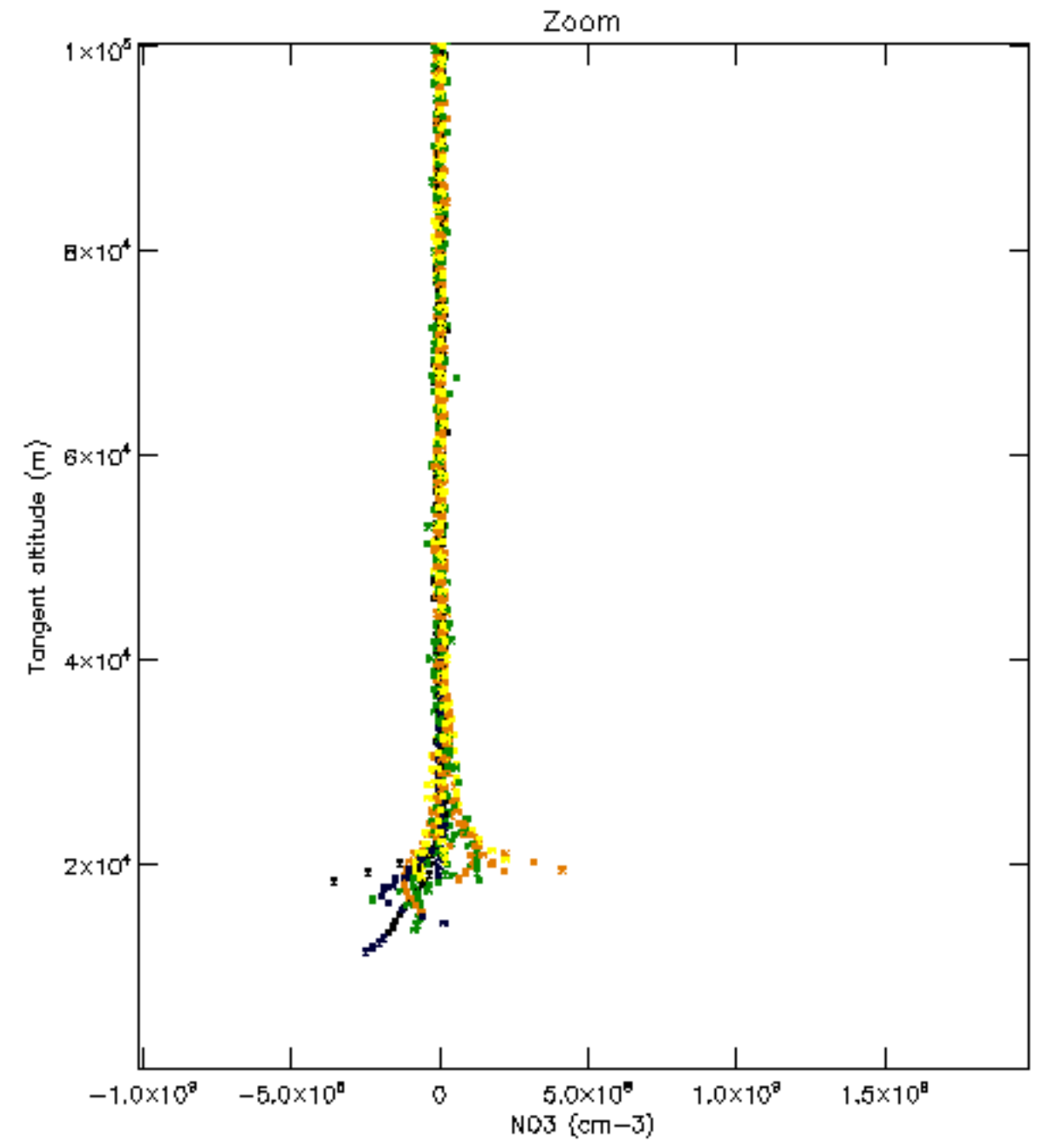
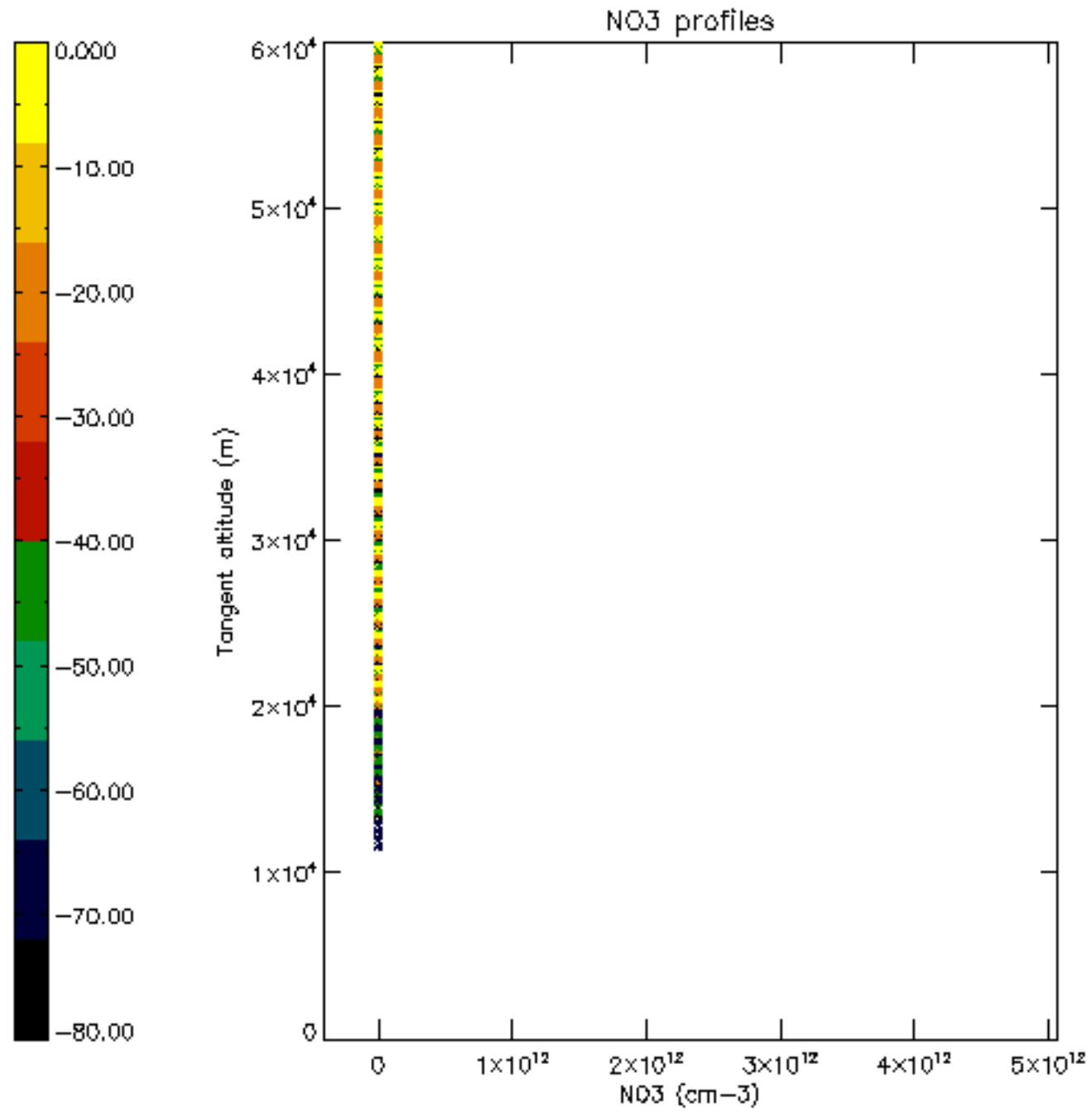


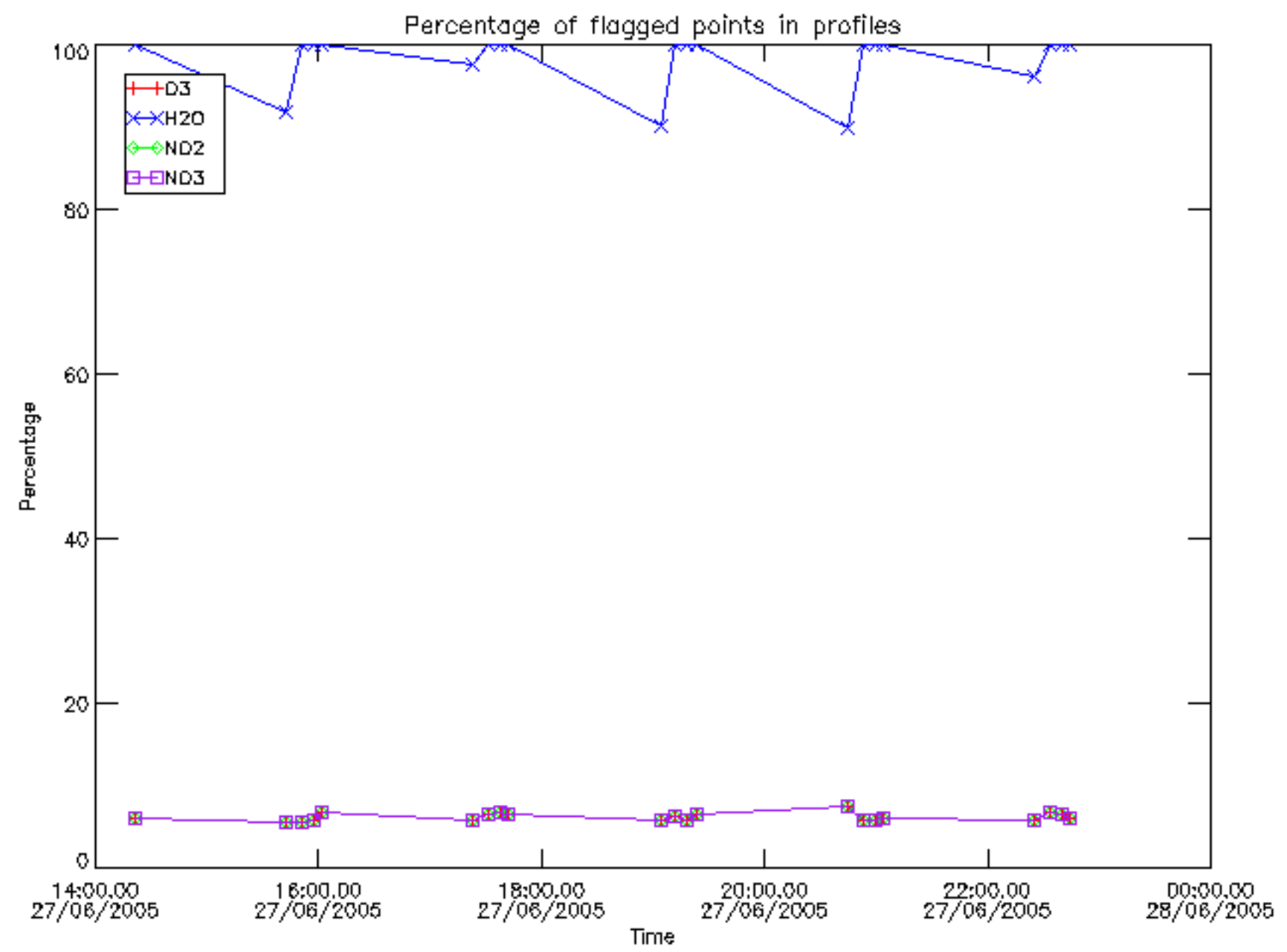




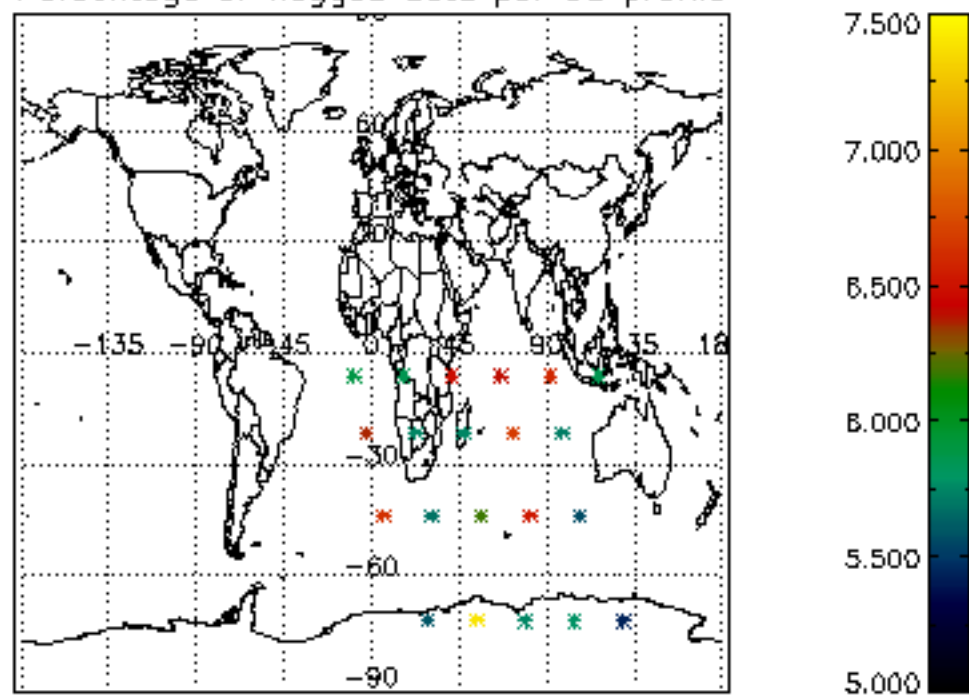




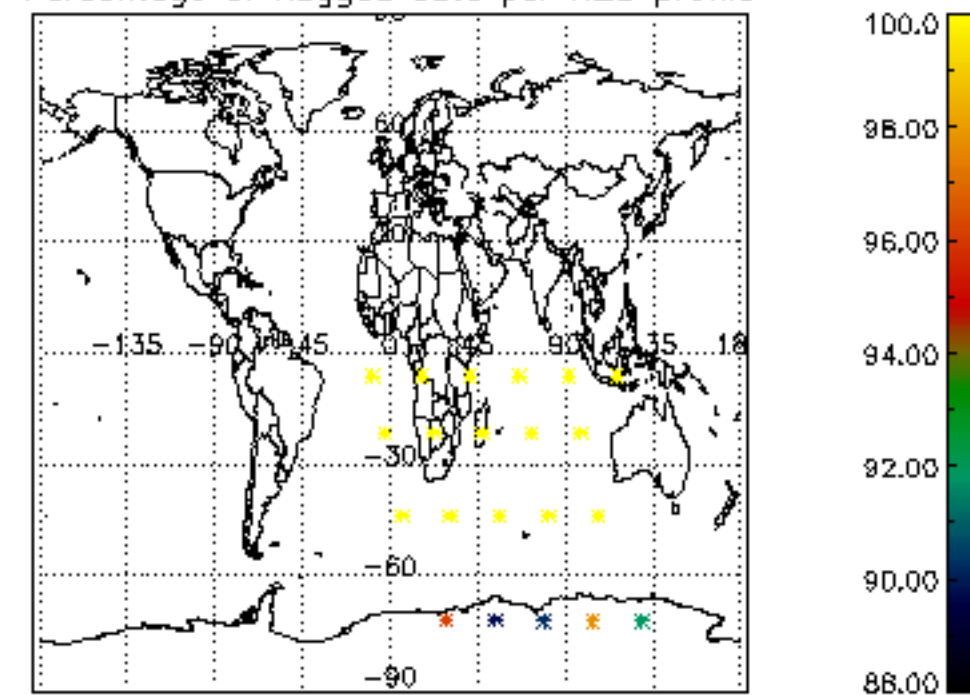




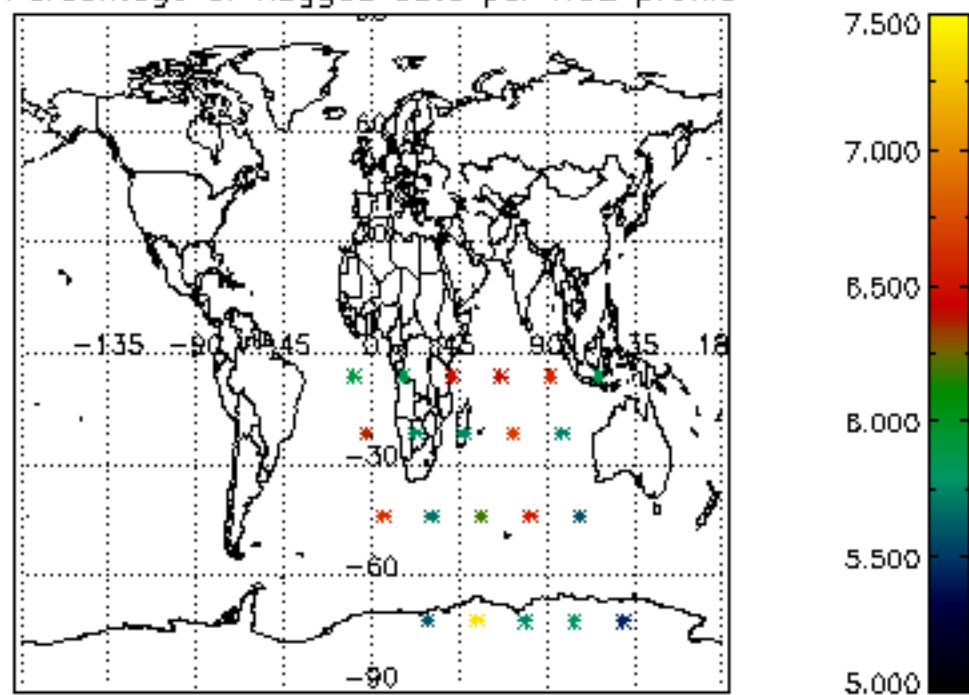
Percentage of flagged data per D3 profile



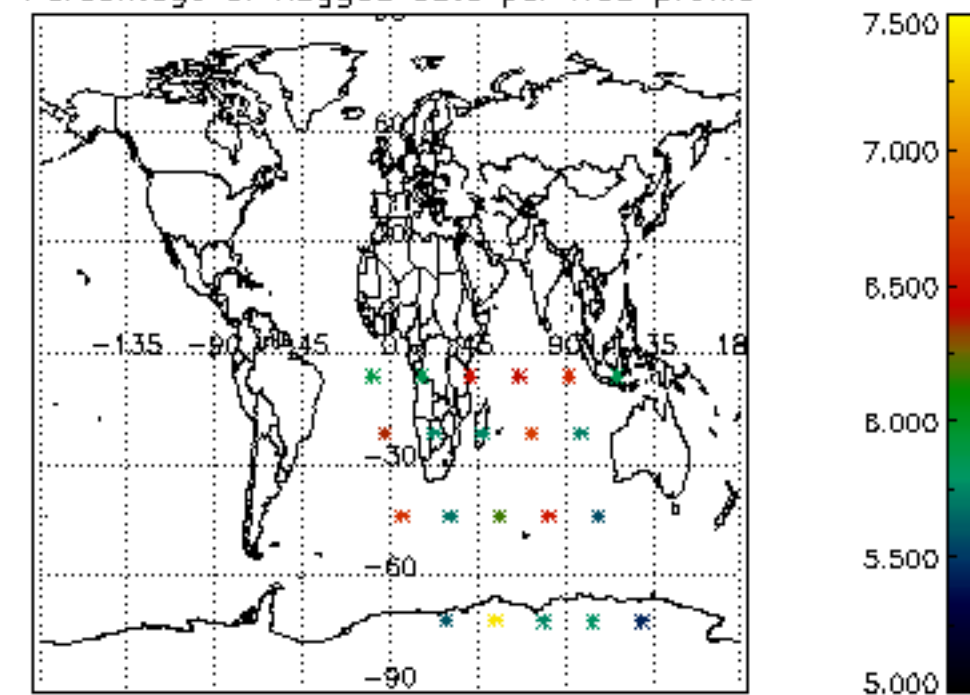
Percentage of flagged data per H2O profile

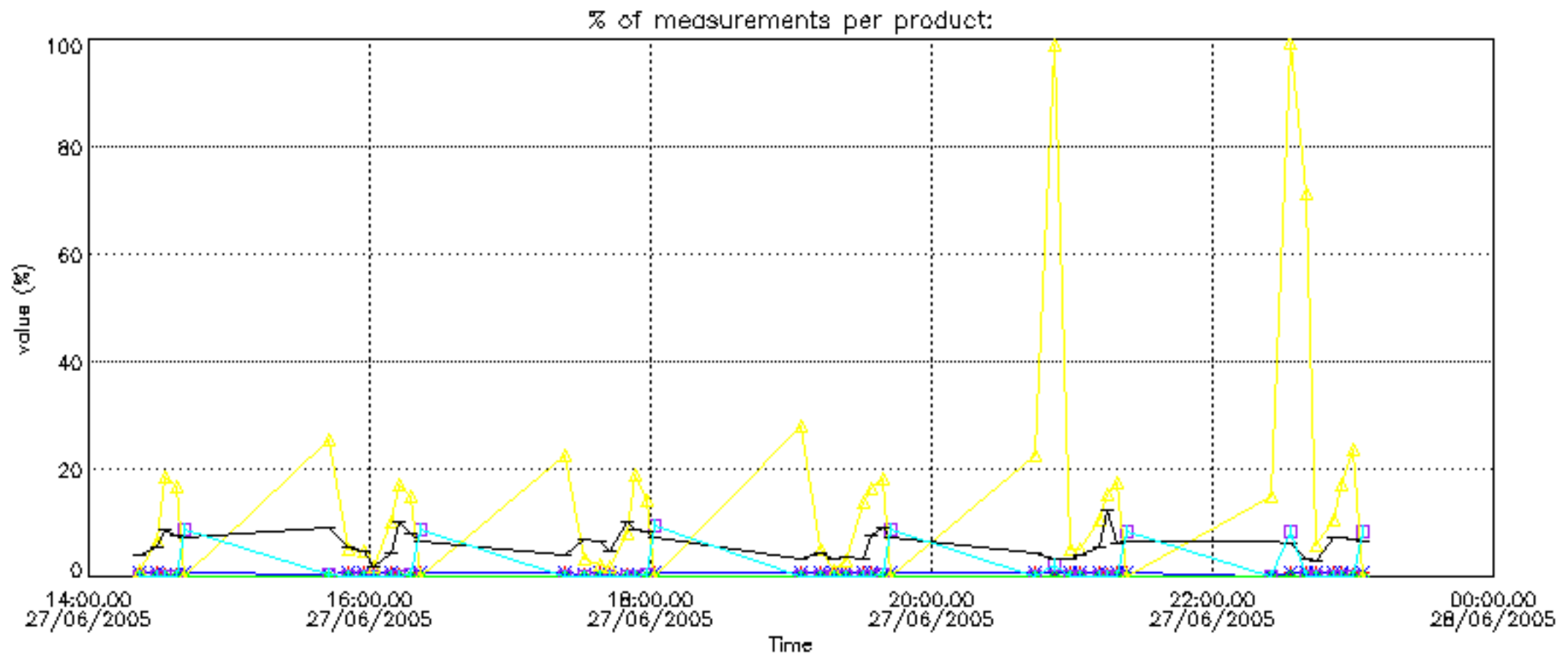


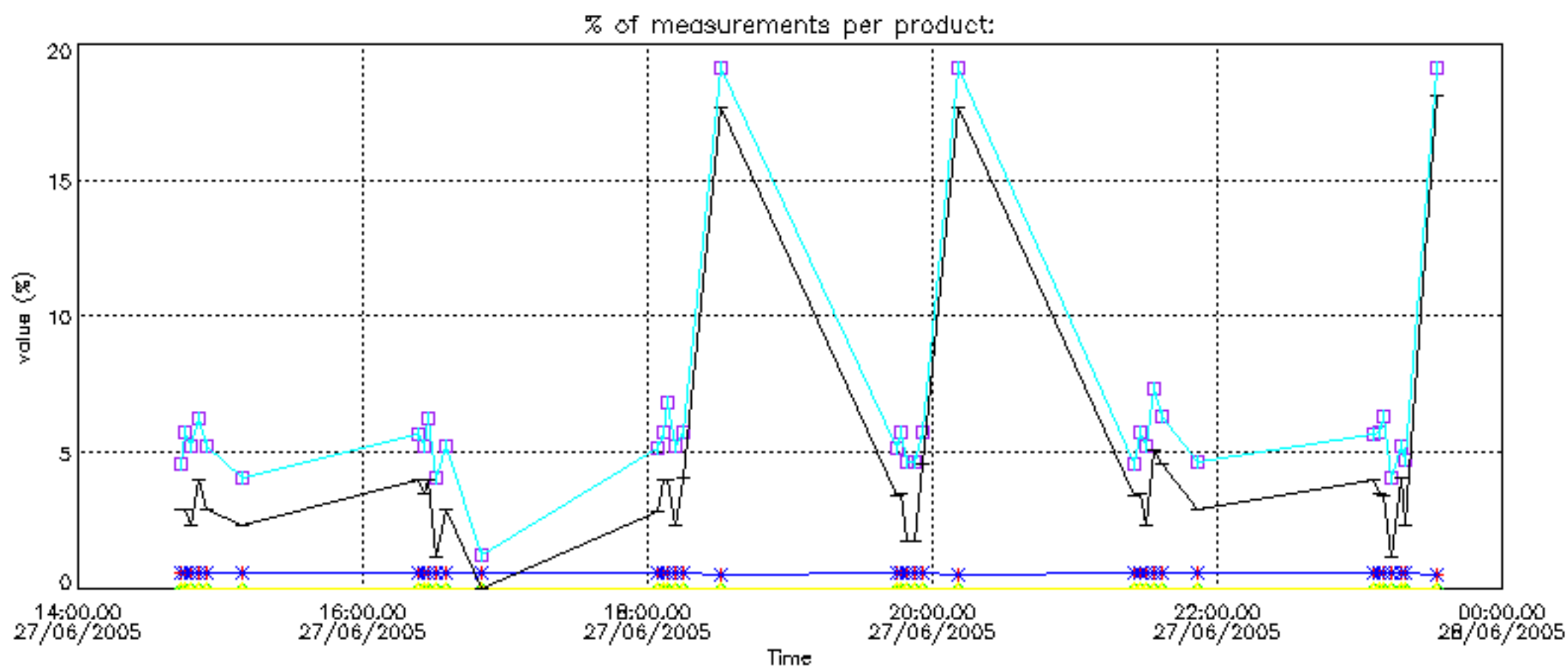
Percentage of flagged data per NO2 profile



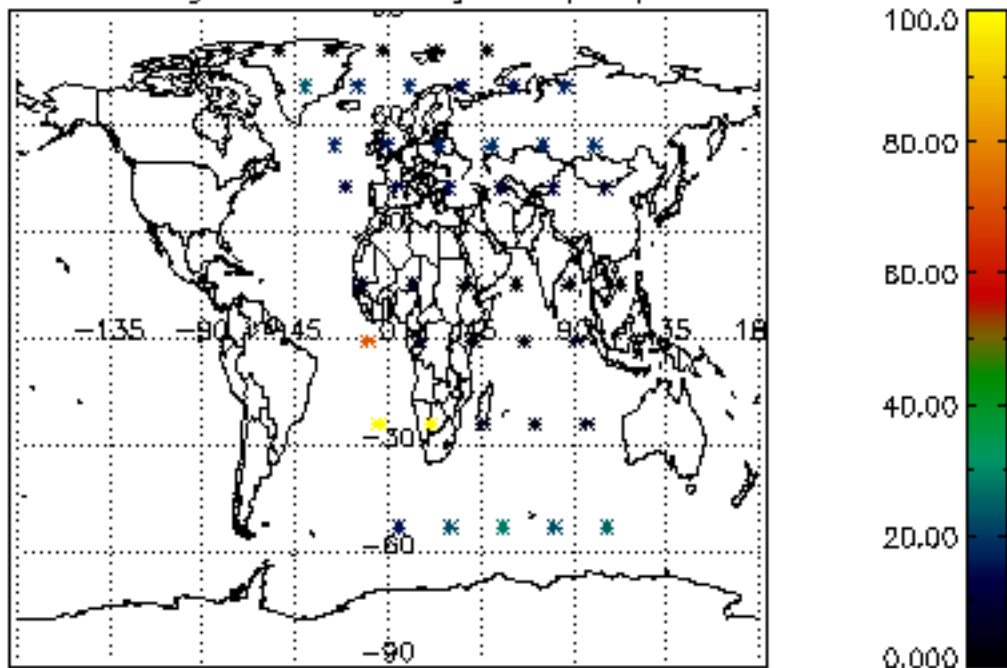
Percentage of flagged data per NO3 profile



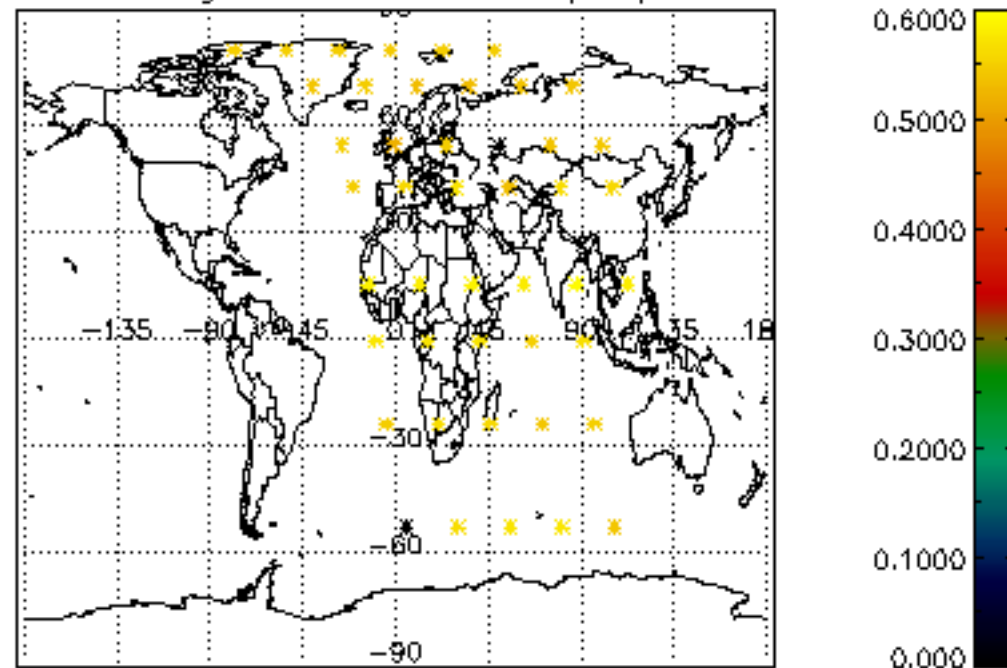




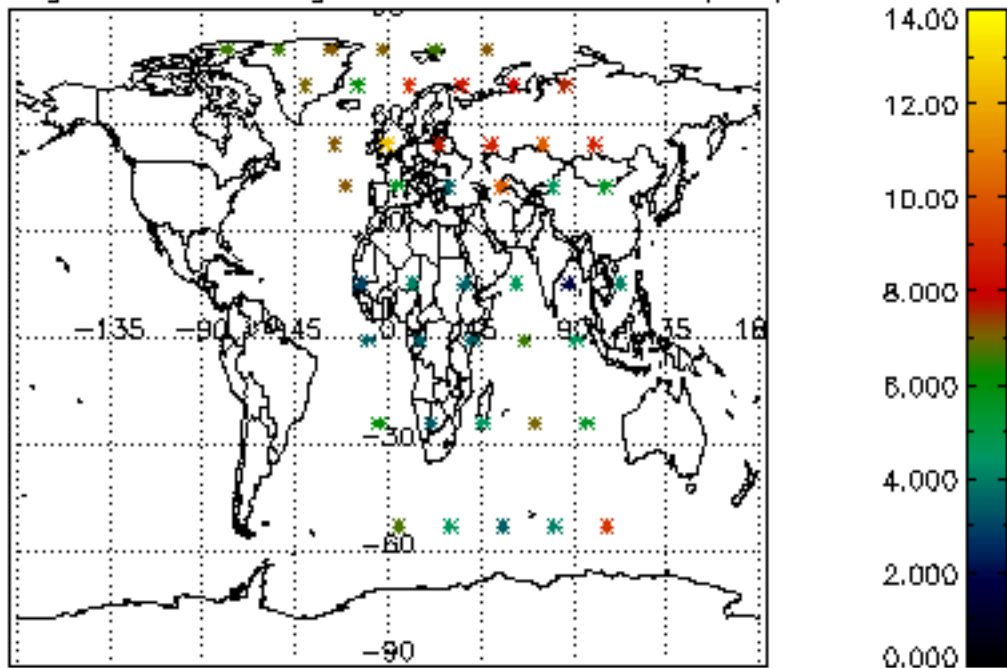
Percentage of cosmic ray hits per profile



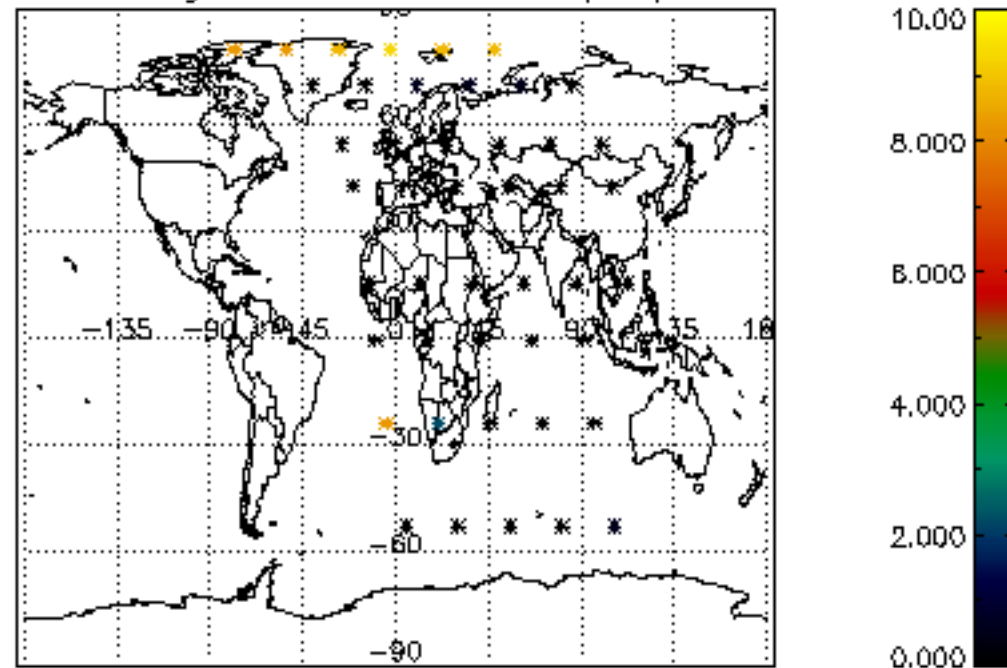
Percentage of datation errors per profile



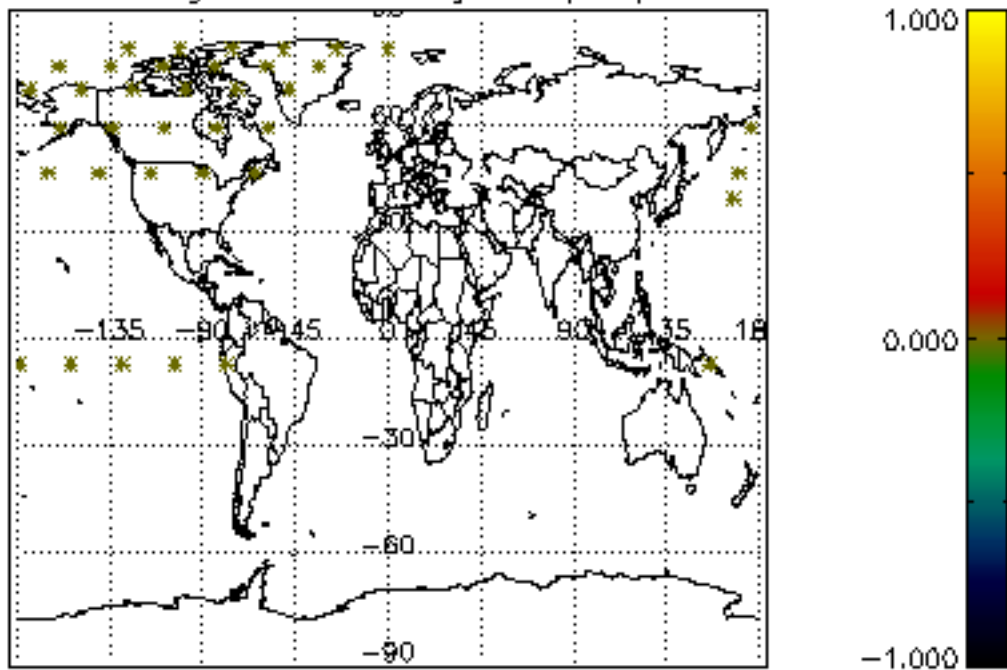
Percentage of star falling outside central band per profile



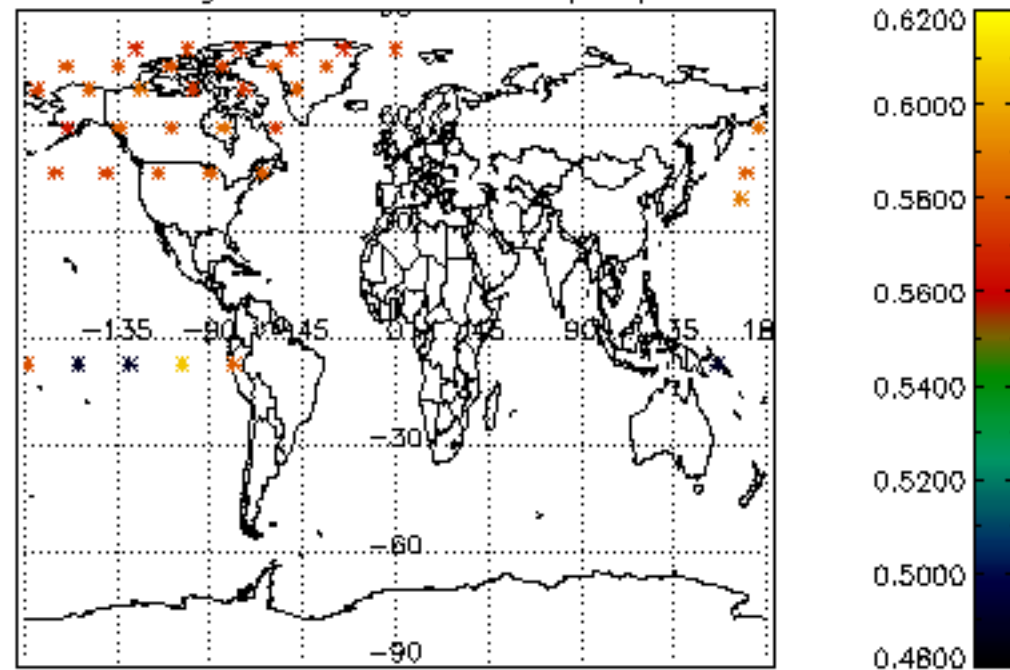
Percentage of saturation errors per profile



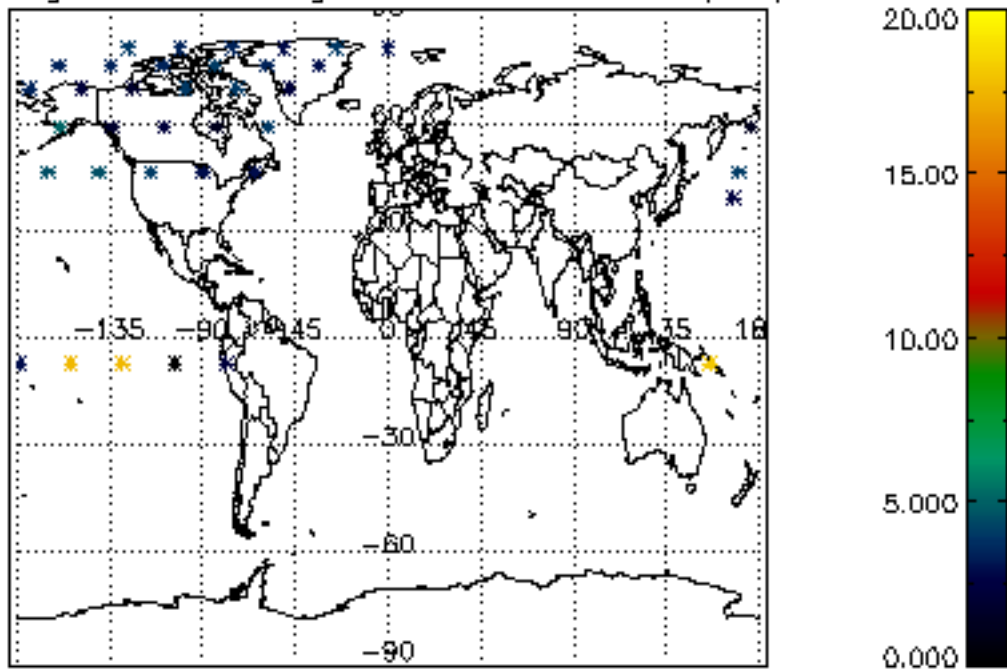
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

