

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 10:04:45
Data source version	GOMOS/6.01
Start time of products	07-02-2011 (07FEB2011 00:00:00)
Stop time of products	08-02-2011 (08FEB2011 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	242
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

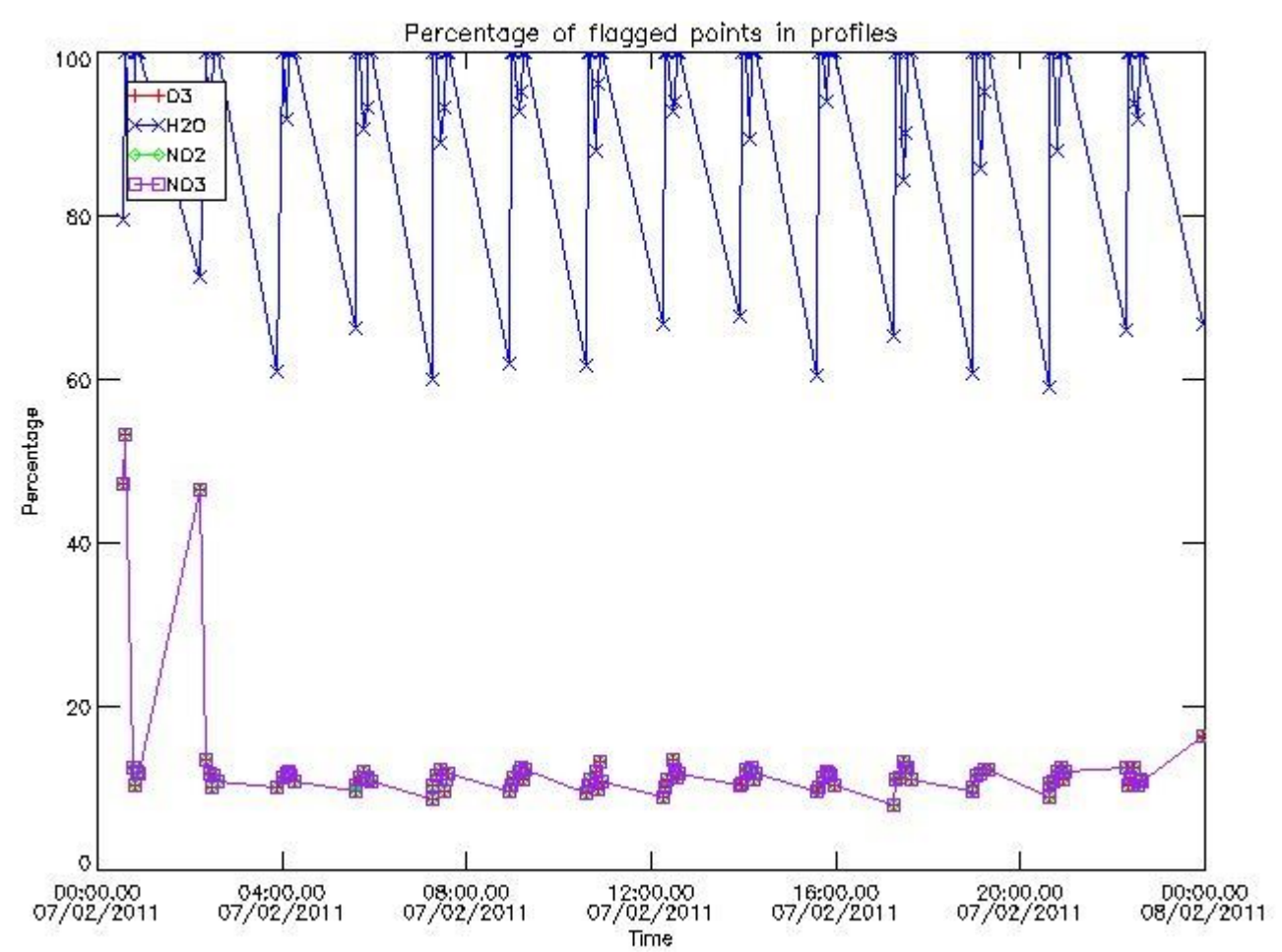
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20110207_000439_000000523099_00174_46740_7528.N1	07-FEB-2011 00:04:39	Bright	51.500	119	14Eta Dra	2.7270	4700.0	103	46740	No
2	GOM_NL__2PRFIN20110207_000804_000000393099_00174_46740_7529.N1	07-FEB-2011 00:08:04	Bright	39.000	130	23Bet Dra	2.7990	5800.0	78	46740	No
3	GOM_NL__2PRFIN20110207_001458_000000473099_00174_46740_7530.N1	07-FEB-2011 00:14:58	Bright	47.000	133	40Zet Her	2.8070	6000.0	94	46740	No
4	GOM_NL__2PRFIN20110207_002023_000000593099_00174_46740_7531.N1	07-FEB-2011 00:20:23	Bright	59.000	59	55Alp Oph	2.0800	8900.0	118	46740	No
5	GOM_NL__2PRFIN20110207_002234_000000413099_00174_46740_7532.N1	07-FEB-2011 00:22:34	Bright	41.000	126	60Bet Oph	2.7700	4250.0	82	46740	No
6	GOM_NL__2PRFIN20110207_002921_000000473099_00174_46740_7533.N1	07-FEB-2011 00:29:21	Twilight	47.000	86	35Eta Oph	2.4300	10200.	94	46740	No
7	GOM_NL__2PRFIN20110207_003356_000000643099_00174_46740_7534.N1	07-FEB-2011 00:33:56	Dark	64.000	16	21Alp Sco	1.0200	3000.0	128	46740	No
8	GOM_NL__2PRFIN20110207_003538_000000493099_00174_46740_7535.N1	07-FEB-2011 00:35:38	Dark	48.500	158	6Pi Sco	2.9060	28000.	97	46740	No
9	GOM_NL__2PRFIN20110207_004549_000000413099_00175_46741_7532.N1	07-FEB-2011 00:45:49	Dark	40.500	10	Bet Cen	0.61000	28000.	81	46741	No
10	GOM_NL__2PRFIN20110207_004906_000000493099_00175_46741_7533.N1	07-FEB-2011 00:49:06	Dark	49.000	12	Alp1Cru	0.77500	30000.	98	46741	No
11	GOM_NL__2PRFIN20110207_005127_000000473099_00175_46741_7534.N1	07-FEB-2011 00:51:27	Dark	46.500	99	Del Cen	2.5750	26000.	93	46741	No
12	GOM_NL__2PRFIN20110207_005451_000000433099_00175_46741_7535.N1	07-FEB-2011 00:54:51	Dark	43.000	113	Mu Vel	2.6920	5000.0	86	46741	No
13	GOM_NL__2PRFIN20110207_010921_000000453099_00175_46741_7536.N1	07-FEB-2011 01:09:21	Straylight	44.500	48	30Alp Hya	1.9770	4100.0	89	46741	No
14	GOM_NL__2PRFIN20110207_012006_000000403099_00175_46741_7537.N1	07-FEB-2011 01:20:06	Bright	40.000	17	78Bet Gem	1.1610	4500.0	80	46741	No
15	GOM_NL__2PRFIN20110207_013402_000000433099_00175_46741_7538.N1	07-FEB-2011 01:34:02	Bright	42.500	36	50Alp UMa	1.8000	6300.0	85	46741	No
16	GOM_NL__2PRFIN20110207_014005_000000403099_00175_46741_7539.N1	07-FEB-2011 01:40:05	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	46741	No
17	GOM_NL__2PRFIN20110207_014453_000000423099_00175_46741_7540.N1	07-FEB-2011 01:44:53	Bright	41.500	119	14Eta Dra	2.7270	4700.0	83	46741	No
18	GOM_NL__2PRFIN20110207_014818_000000383099_00175_46741_7541.N1	07-FEB-2011 01:48:18	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	46741	No
19	GOM_NL__2PRFIN20110207_015512_000000653099_00175_46741_7542.N1	07-FEB-2011 01:55:12	Bright	65.000	133	40Zet Her	2.8070	6000.0	130	46741	No
20	GOM_NL__2PRFIN20110207_020038_000000413099_00175_46741_7543.N1	07-FEB-2011 02:00:38	Bright	40.500	59	55Alp Oph	2.0800	8900.0	81	46741	No
21	GOM_NL__2PRFIN20110207_020248_000000433099_00175_46741_7544.N1	07-FEB-2011 02:02:48	Bright	43.000	126	60Bet Oph	2.7700	4250.0	86	46741	No
22	GOM_NL__2PRFIN20110207_020935_000000433099_00175_46741_7545.N1	07-FEB-2011 02:09:35	Twilight	43.000	86	35Eta Oph	2.4300	10200.	86	46741	No
23	GOM_NL__2PRFIN20110207_021411_000000643099_00175_46741_7546.N1	07-FEB-2011 02:14:11	Dark	64.000	16	21Alp Sco	1.0200	3000.0	128	46741	No
24	GOM_NL__2PRFIN20110207_022005_000000463099_00175_46741_7547.N1	07-FEB-2011 02:20:05	Dark	45.500	131	Gam Lup	2.8000	26000.	91	46741	No
25	GOM_NL__2PRFIN20110207_022604_000000433099_00176_46742_7562.N1	07-FEB-2011 02:26:04	Dark	43.000	10	Bet Cen	0.61000	28000.	86	46742	No
26	GOM_NL__2PRFIN20110207_022920_000000513099_00176_46742_7563.N1	07-FEB-2011 02:29:20	Dark	50.500	12	Alp1Cru	0.77500	30000.	101	46742	No
27	GOM_NL__2PRFIN20110207_023142_000000453099_00176_46742_7564.N1	07-FEB-2011 02:31:42	Dark	44.500	99	Del Cen	2.5750	26000.	89	46742	No
28	GOM_NL__2PRFIN20110207_023506_000000473099_00176_46742_7565.N1	07-FEB-2011 02:35:06	Dark	47.000	113	Mu Vel	2.6920	5000.0	94	46742	No
29	GOM_NL__2PRFIN20110207_024935_000000503099_00176_46742_7566.N1	07-FEB-2011 02:49:35	Straylight	50.000	48	30Alp Hya	1.9770	4100.0	100	46742	No
30	GOM_NL__2PRFIN20110207_030020_000000413099_00176_46742_7567.N1	07-FEB-2011 03:00:20	Bright	40.500	17	78Bet Gem	1.1610	4500.0	81	46742	No
31	GOM_NL__2PRFIN20110207_031416_000000433099_00176_46742_7568.N1	07-FEB-2011 03:14:16	Bright	42.500	36	50Alp UMa	1.8000	6300.0	85	46742	No
32	GOM_NL__2PRFIN20110207_032019_000000383099_00176_46742_7569.N1	07-FEB-2011 03:20:19	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	46742	No
33	GOM_NL__2PRFIN20110207_032506_000000413099_00176_46742_7570.N1	07-FEB-2011 03:25:06	Bright	41.000	119	14Eta Dra	2.7270	4700.0	82	46742	No
34	GOM_NL__2PRFIN20110207_032832_000000403099_00176_46742_7571.N1	07-FEB-2011 03:28:32	Bright	40.000	130	23Bet Dra	2.7990	5800.0	80	46742	No
35	GOM_NL__2PRFIN20110207_033526_000000463099_00176_46742_7572.N1	07-FEB-2011 03:35:26	Bright	45.500	133	40Zet Her	2.8070	6000.0	91	46742	No
36	GOM_NL__2PRFIN20110207_034052_000000593099_00176_46742_7573.N1	07-FEB-2011 03:40:52	Bright	59.000	59	55Alp Oph	2.0800	8900.0	118	46742	No
37	GOM_NL__2PRFIN20110207_034303_000000573099_00176_46742_7574.N1	07-FEB-2011 03:43:03	Bright	57.000	126	60Bet Oph	2.7700	4250.0	114	46742	No
38	GOM_NL__2PRFIN20110207_034950_000000463099_00176_46742_7575.N1	07-FEB-2011 03:49:50	Twilight	46.000	86	35Eta Oph	2.4300	10200.	92	46742	No
39	GOM_NL__2PRFIN20110207_035426_000000563099_00176_46742_7576.N1	07-FEB-2011 03:54:26	Dark	55.500	16	21Alp Sco	1.0200	3000.0	111	46742	No
40	GOM_NL__2PRFIN20110207_040020_000000453099_00176_46742_7577.N1	07-FEB-2011 04:00:20	Dark	45.000	131	Gam Lup	2.8000	26000.	90	46742	No
41	GOM_NL__2PRFIN20110207_040619_000000443099_00177_46743_7574.N1	07-FEB-2011 04:06:19	Dark	43.500	10	Bet Cen	0.61000	28000.	87	46743	No
42	GOM_NL__2PRFIN20110207_040935_000000423099_00177_46743_7575.N1	07-FEB-2011 04:09:35	Dark	42.000	12	Alp1Cru	0.77500	30000.	84	46743	No

220	GOM_NL__2PRFIN20110207_215105_000000403099_00187_46753_7910.N1	07-FEB-2011 21:51:05	Bright	39.500	130	23Bet Dra	2.7990	5800.0	79	46753	No
221	GOM_NL__2PRFIN20110207_215801_000000473099_00187_46753_7911.N1	07-FEB-2011 21:58:01	Bright	46.500	133	40Zet Her	2.8070	6000.0	93	46753	No
222	GOM_NL__2PRFIN20110207_220330_000000403099_00187_46753_7912.N1	07-FEB-2011 22:03:30	Bright	39.500	59	55Alp Oph	2.0800	8900.0	79	46753	No
223	GOM_NL__2PRFIN20110207_220541_000000473099_00187_46753_7913.N1	07-FEB-2011 22:05:41	Bright	47.000	126	60Bet Oph	2.7700	4250.0	94	46753	No
224	GOM_NL__2PRFIN20110207_221231_000000483099_00187_46753_7914.N1	07-FEB-2011 22:12:31	Twilight	47.500	86	35Eta Oph	2.4300	10200.	95	46753	No
225	GOM_NL__2PRFIN20110207_221710_000000653099_00187_46753_7915.N1	07-FEB-2011 22:17:10	Dark	65.000	16	21Alp Sco	1.0200	3000.0	130	46753	No
226	GOM_NL__2PRFIN20110207_221855_000000493099_00187_46753_7916.N1	07-FEB-2011 22:18:55	Dark	49.000	158	6Pi Sco	2.9060	28000.	98	46753	No
227	GOM_NL__2PRFIN20110207_222304_000000453099_00187_46753_7917.N1	07-FEB-2011 22:23:04	Dark	45.000	131	Gam Lup	2.8000	26000.	90	46753	No
228	GOM_NL__2PRFIN20110207_222900_000000413099_00188_46754_7914.N1	07-FEB-2011 22:29:00	Dark	41.000	10	Bet Cen	0.61000	28000.	82	46754	No
229	GOM_NL__2PRFIN20110207_223215_000000503099_00188_46754_7915.N1	07-FEB-2011 22:32:15	Dark	49.500	12	Alp1Cru	0.77500	30000.	99	46754	No
230	GOM_NL__2PRFIN20110207_223439_000000463099_00188_46754_7916.N1	07-FEB-2011 22:34:39	Dark	45.500	99	Del Cen	2.5750	26000.	91	46754	No
231	GOM_NL__2PRFIN20110207_223801_000000473099_00188_46754_7917.N1	07-FEB-2011 22:38:01	Dark	46.500	113	Mu Vel	2.6920	5000.0	93	46754	No
232	GOM_NL__2PRFIN20110207_225223_000000523099_00188_46754_7918.N1	07-FEB-2011 22:52:23	Straylight	52.000	48	30Alp Hya	1.9770	4100.0	104	46754	No
233	GOM_NL__2PRFIN20110207_230308_000000403099_00188_46754_7919.N1	07-FEB-2011 23:03:08	Bright	39.500	17	78Bet Gem	1.1610	4500.0	79	46754	No
234	GOM_NL__2PRFIN20110207_231609_000000433099_00188_46754_7920.N1	07-FEB-2011 23:16:09	Bright	43.000	82	48Bet UMa	2.3650	10600.	86	46754	No
235	GOM_NL__2PRFIN20110207_232304_000000373099_00188_46754_7921.N1	07-FEB-2011 23:23:04	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	46754	No
236	GOM_NL__2PRFIN20110207_232752_000000433099_00188_46754_7922.N1	07-FEB-2011 23:27:52	Bright	42.500	119	14Eta Dra	2.7270	4700.0	85	46754	No
237	GOM_NL__2PRFIN20110207_233119_000000573099_00188_46754_7923.N1	07-FEB-2011 23:31:19	Bright	57.000	130	23Bet Dra	2.7990	5800.0	114	46754	No
238	GOM_NL__2PRFIN20110207_233816_000000503099_00188_46754_7924.N1	07-FEB-2011 23:38:16	Bright	49.500	133	40Zet Her	2.8070	6000.0	99	46754	No
239	GOM_NL__2PRFIN20110207_234345_000000413099_00188_46754_7925.N1	07-FEB-2011 23:43:45	Bright	40.500	59	55Alp Oph	2.0800	8900.0	81	46754	No
240	GOM_NL__2PRFIN20110207_234556_000000393099_00188_46754_7926.N1	07-FEB-2011 23:45:56	Bright	39.000	126	60Bet Oph	2.7700	4250.0	78	46754	No
241	GOM_NL__2PRFIN20110207_235246_000000473099_00188_46754_7927.N1	07-FEB-2011 23:52:46	Twilight	46.500	86	35Eta Oph	2.4300	10200.	93	46754	No
242	GOM_NL__2PRFIN20110207_235725_000000653099_00188_46754_7928.N1	07-FEB-2011 23:57:25	Dark	64.500	16	21Alp Sco	1.0200	3000.0	129	46754	No

3. Quality information per product

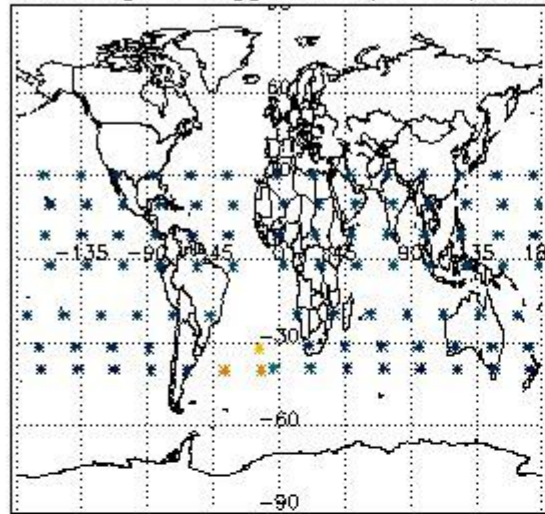
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

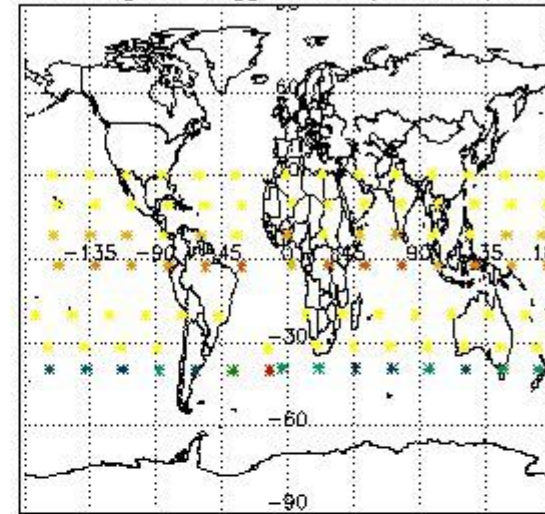


3.2 Plot quality information per product (world map)

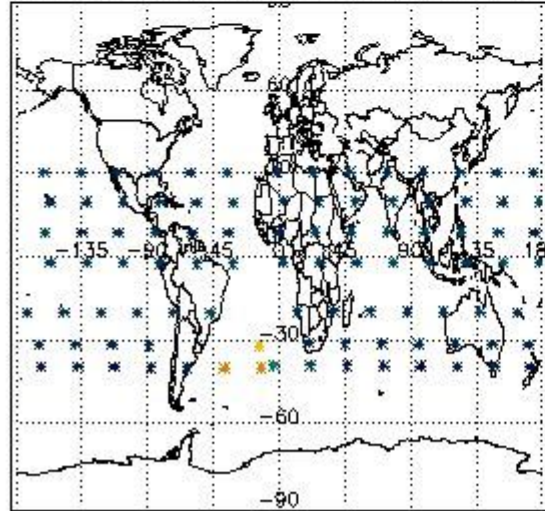
Percentage of flagged data per O3 profile



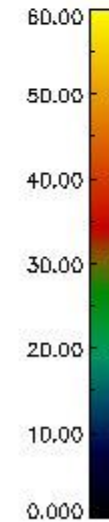
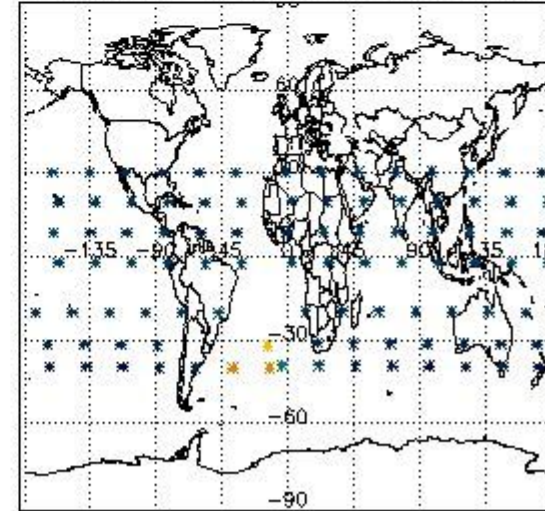
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

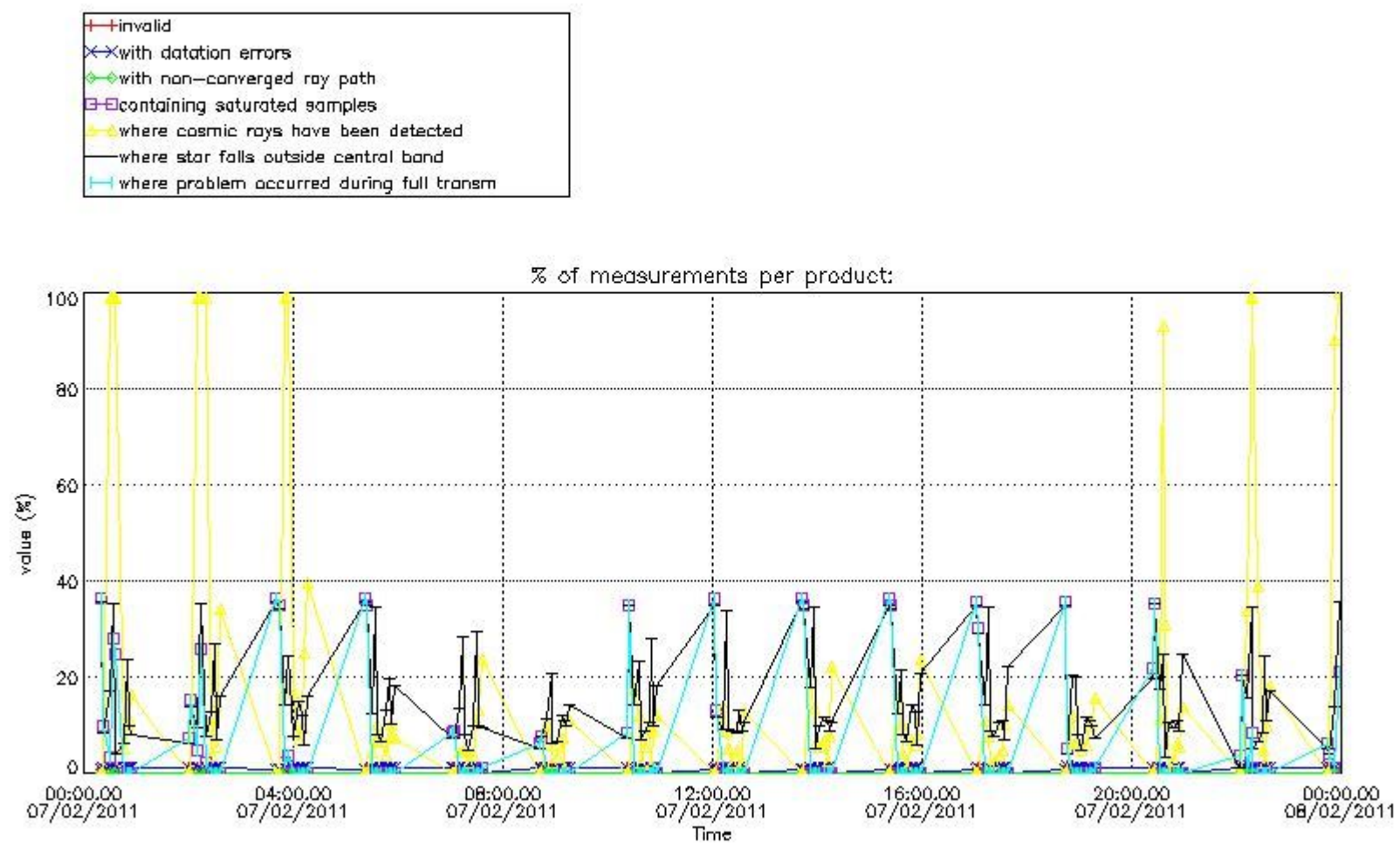


4. Level 1 quality information per product

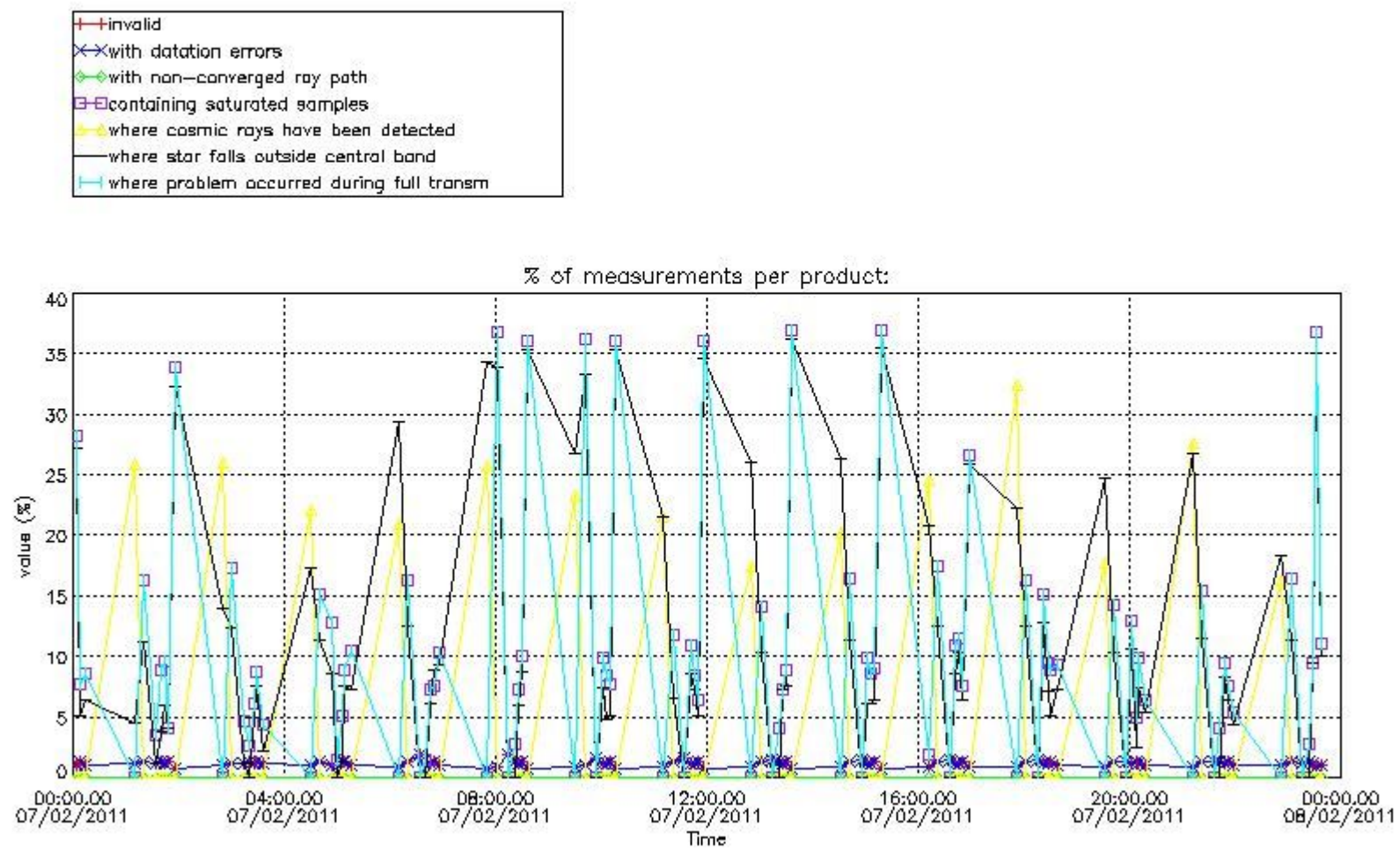
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

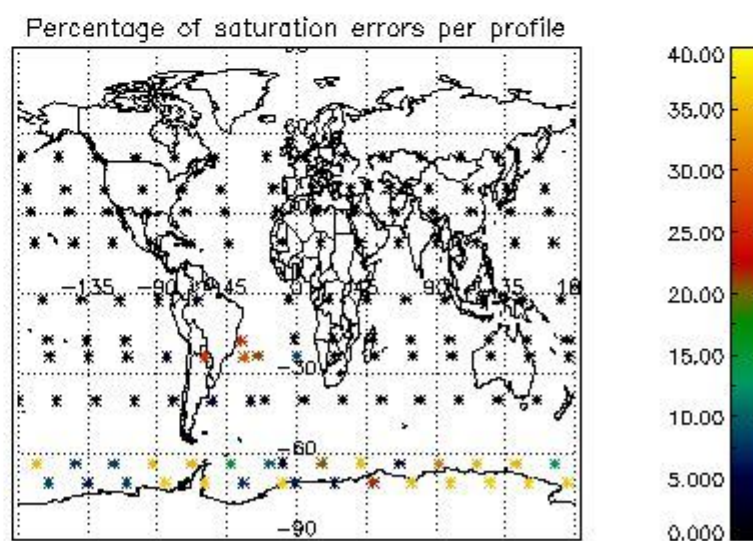
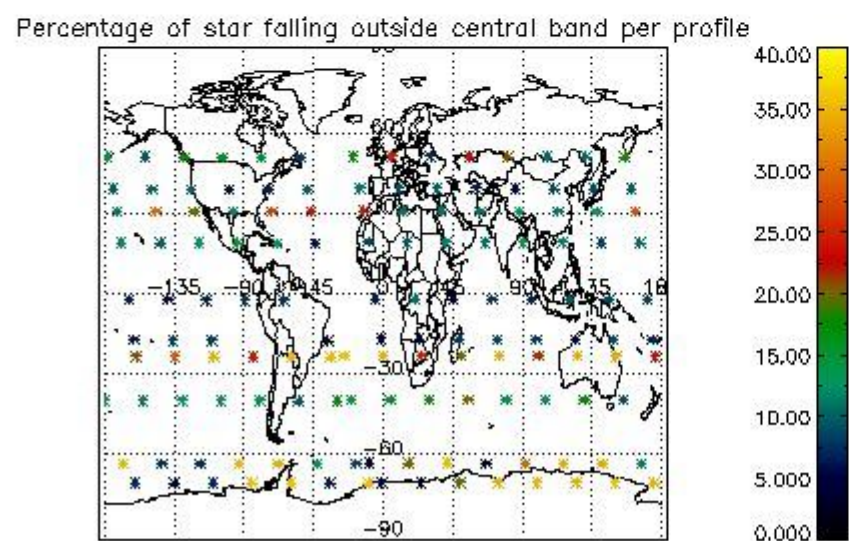
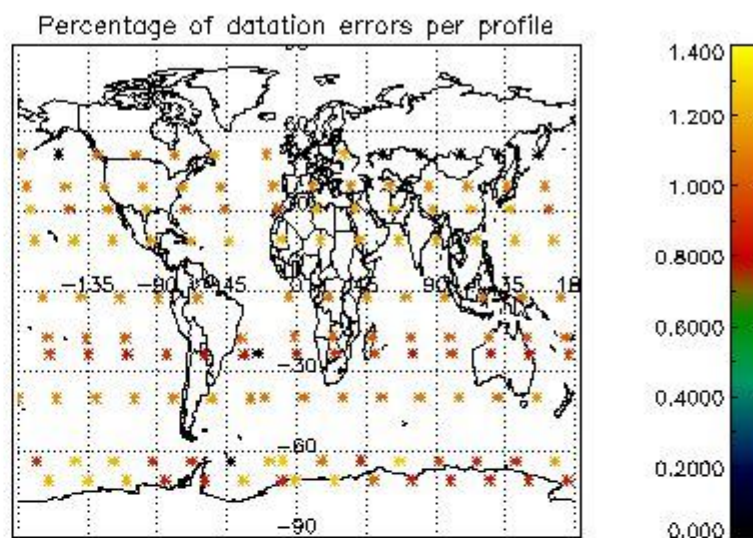
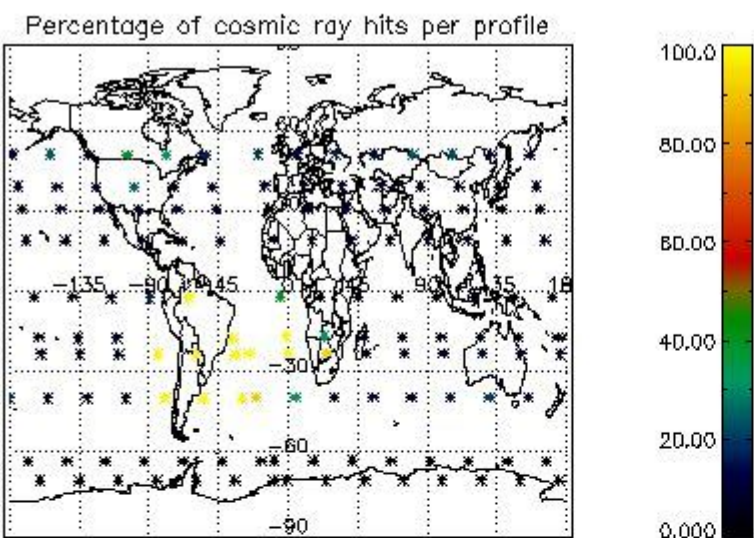


4.1.2 Plot level 1 quality information per product (time dependant): ENVISAT DESCENDING passes

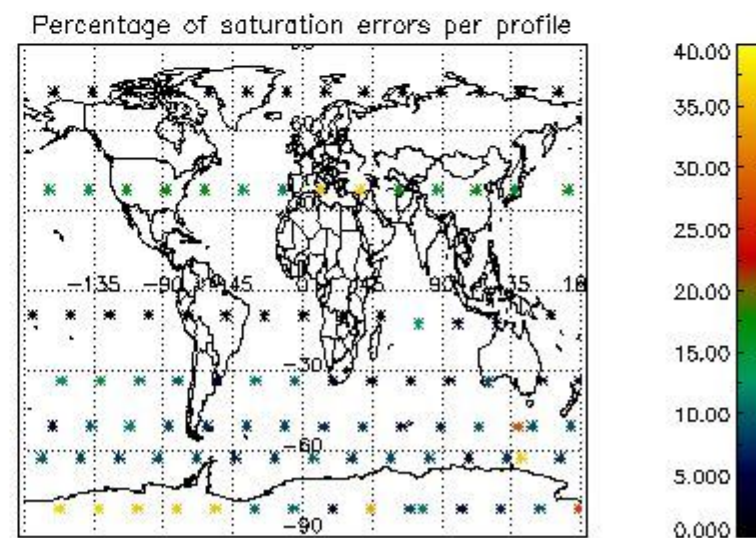
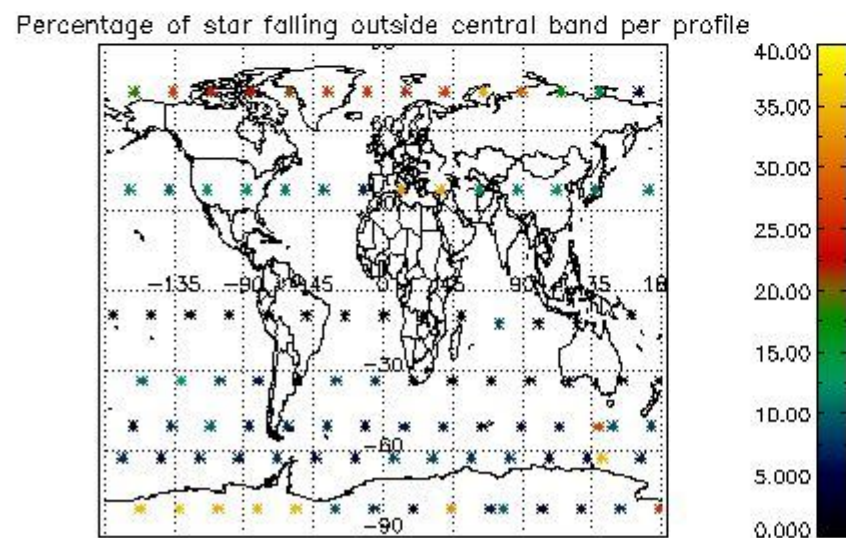
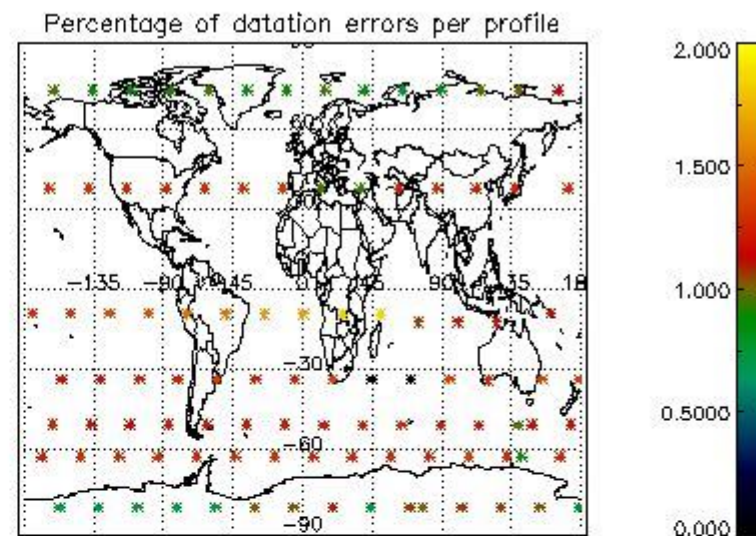
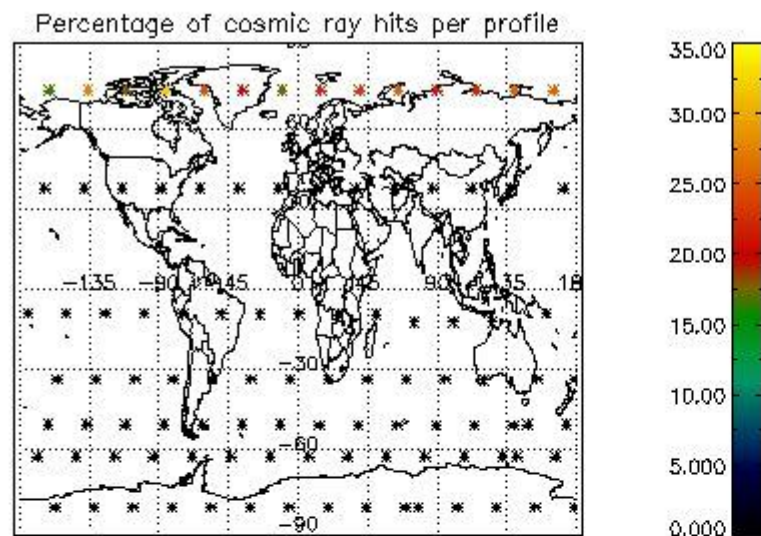


4.2 Plot quality information per product coming from level 1b processing (world map)

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

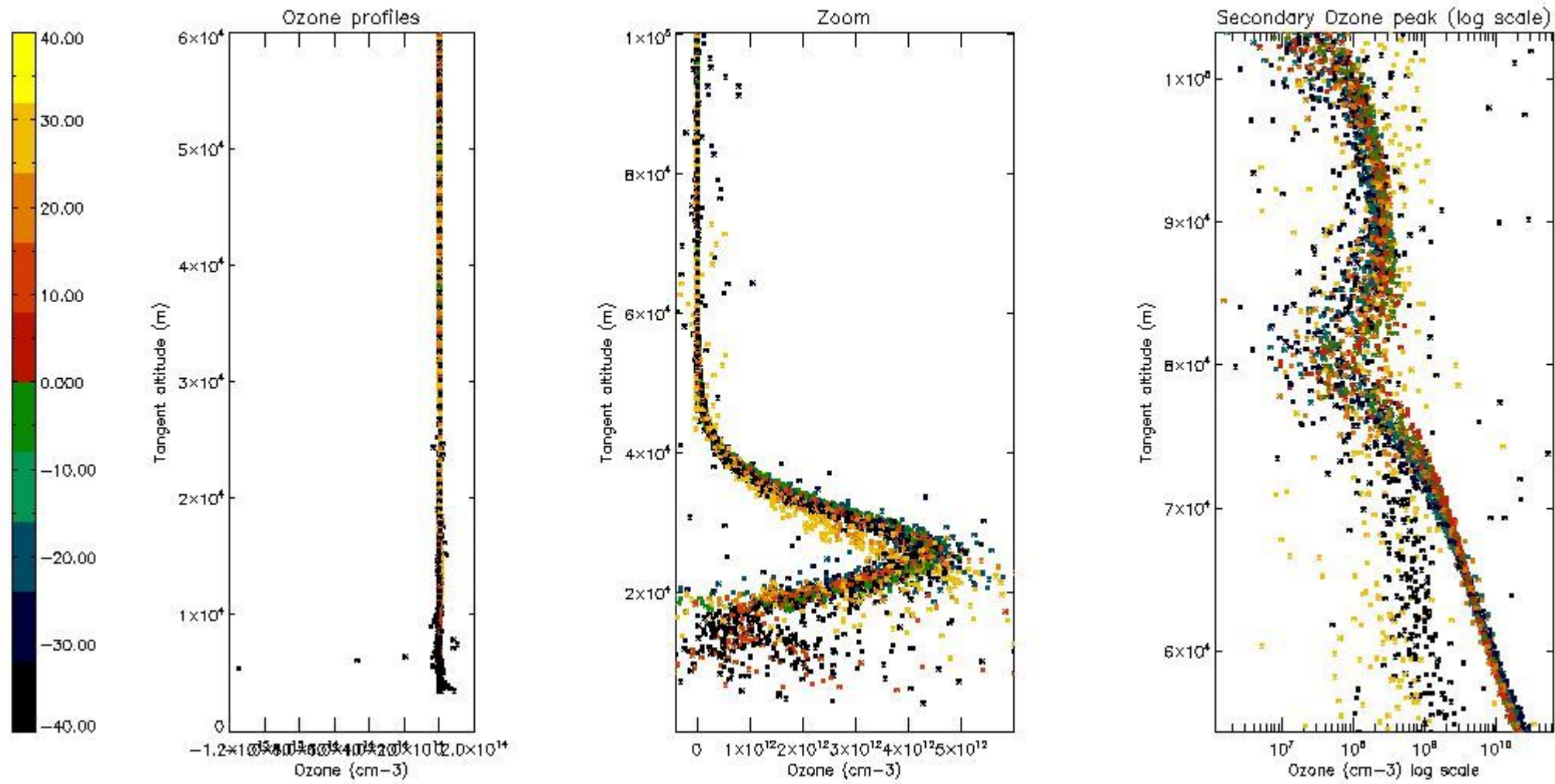
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	41
STD < 20	21

STD < 10	17
STD < 5	13

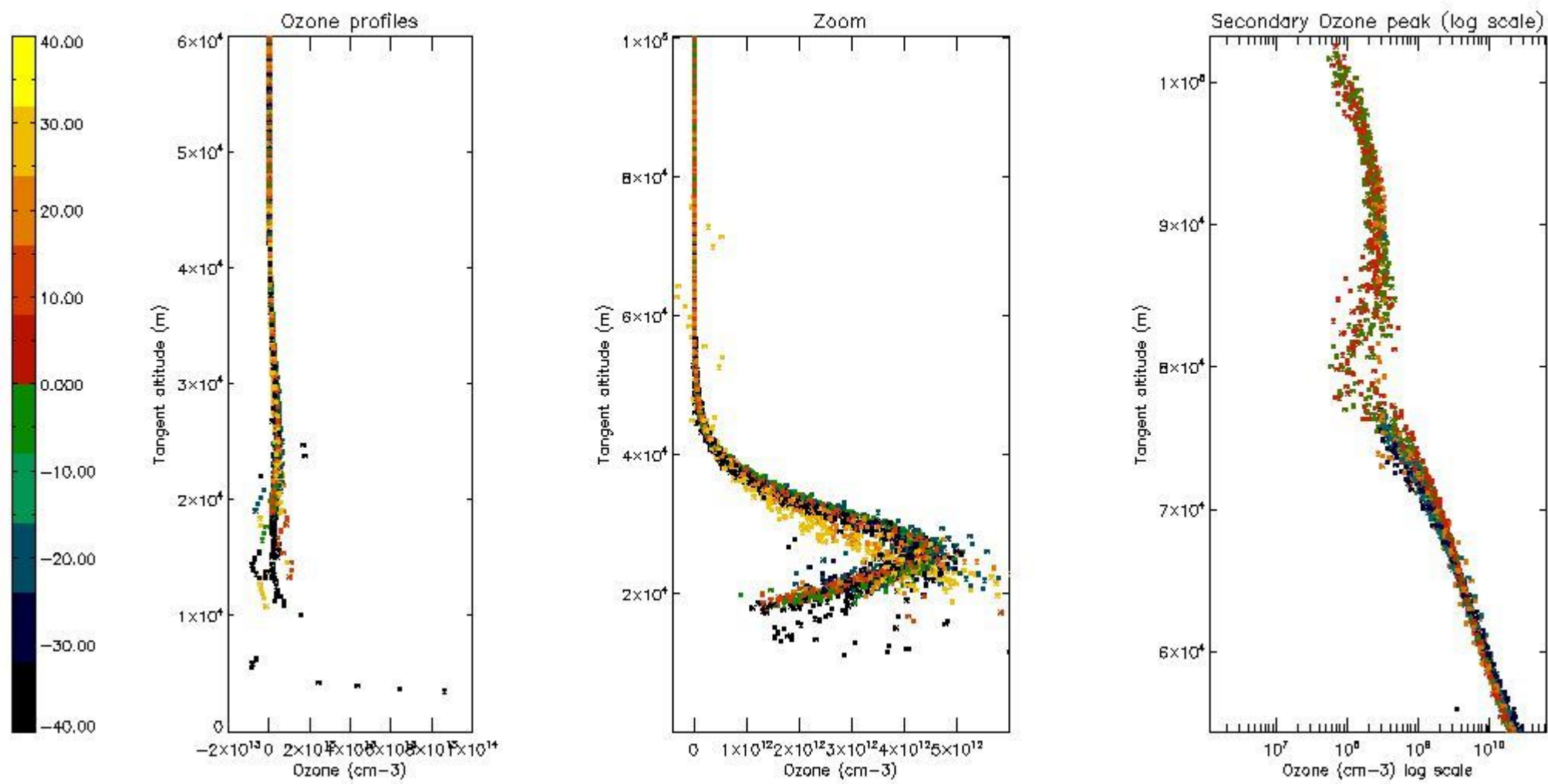
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



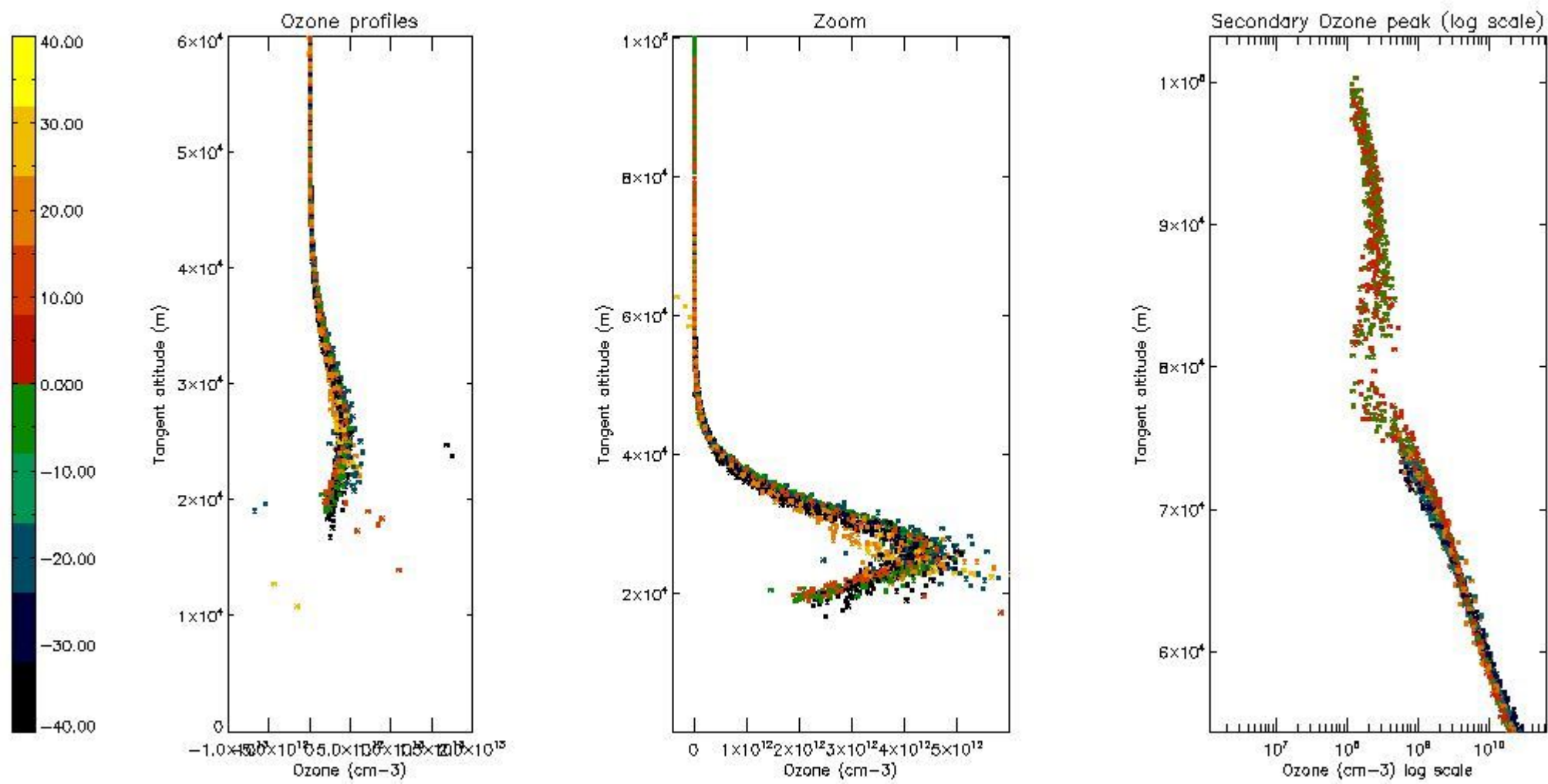
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



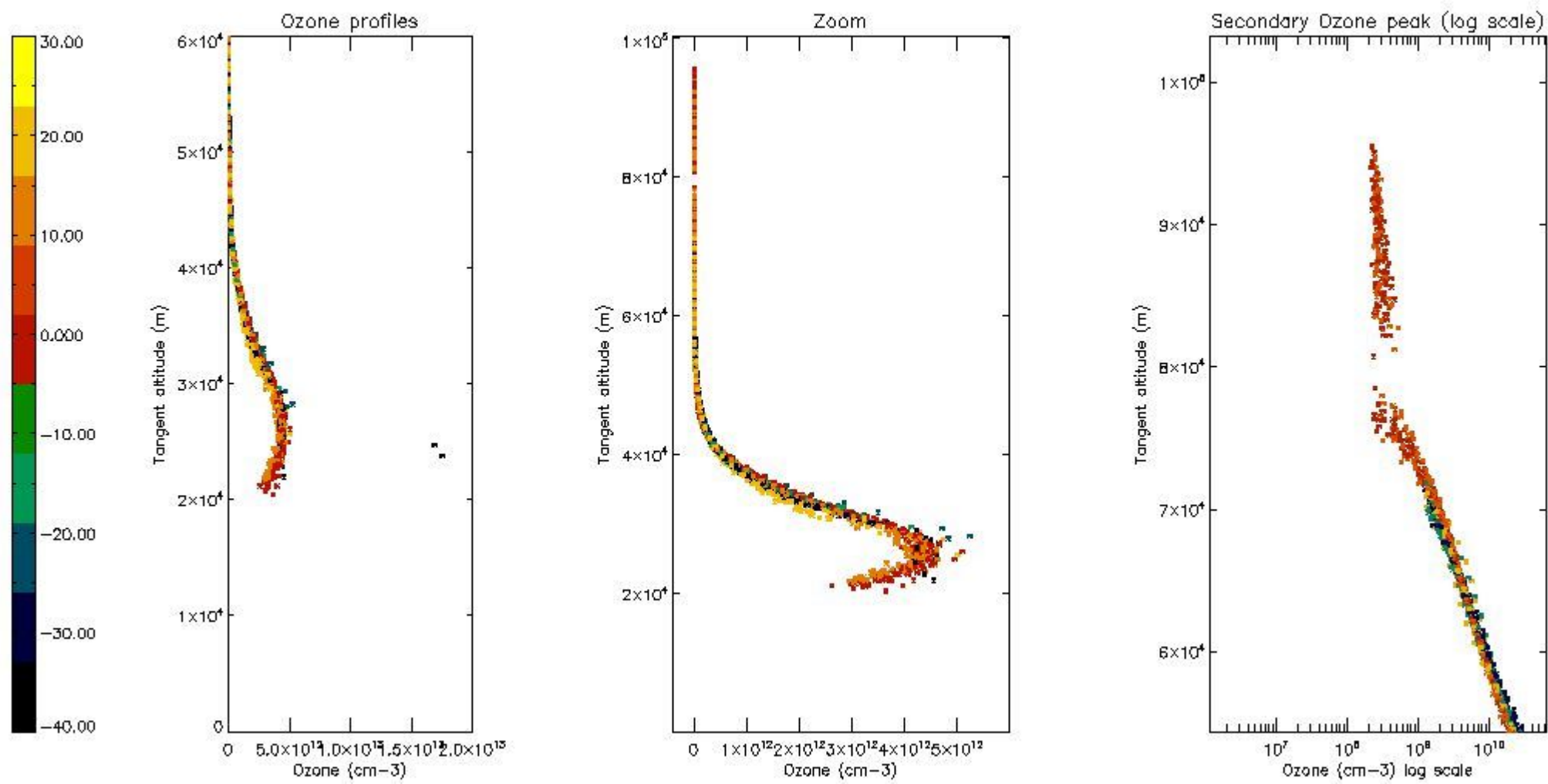
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



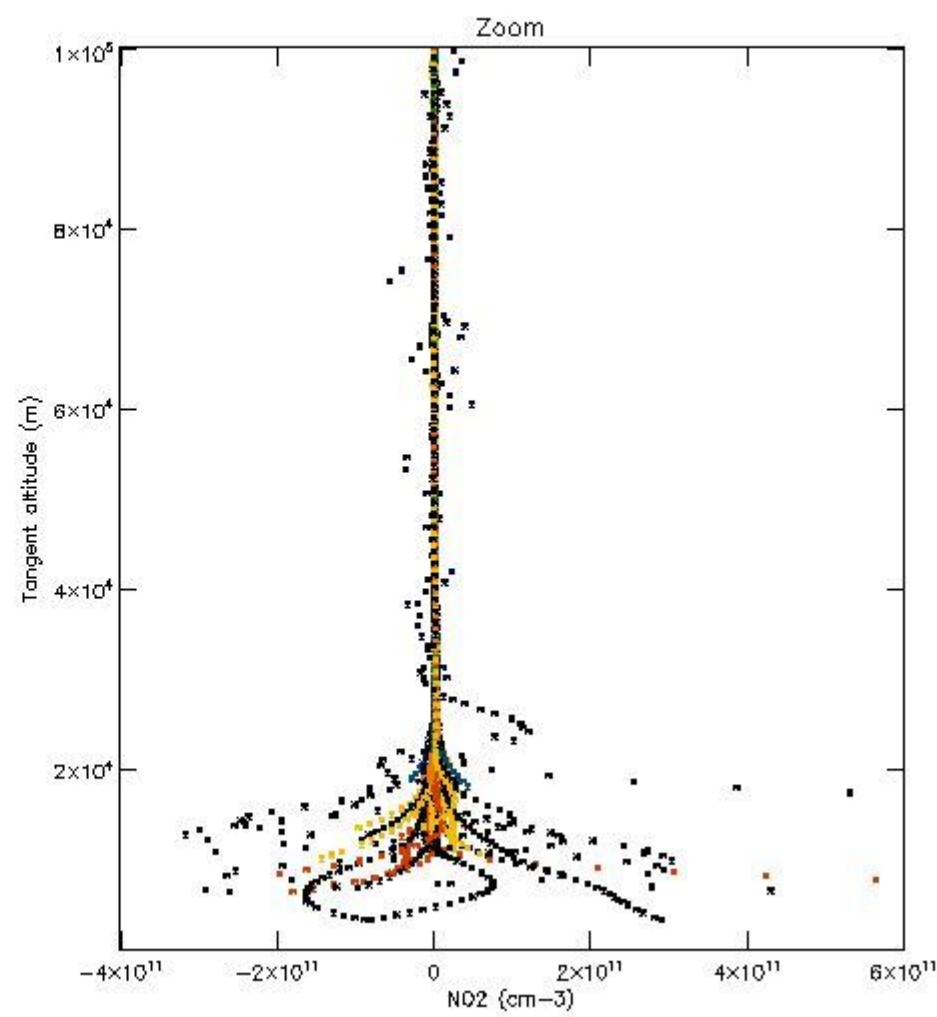
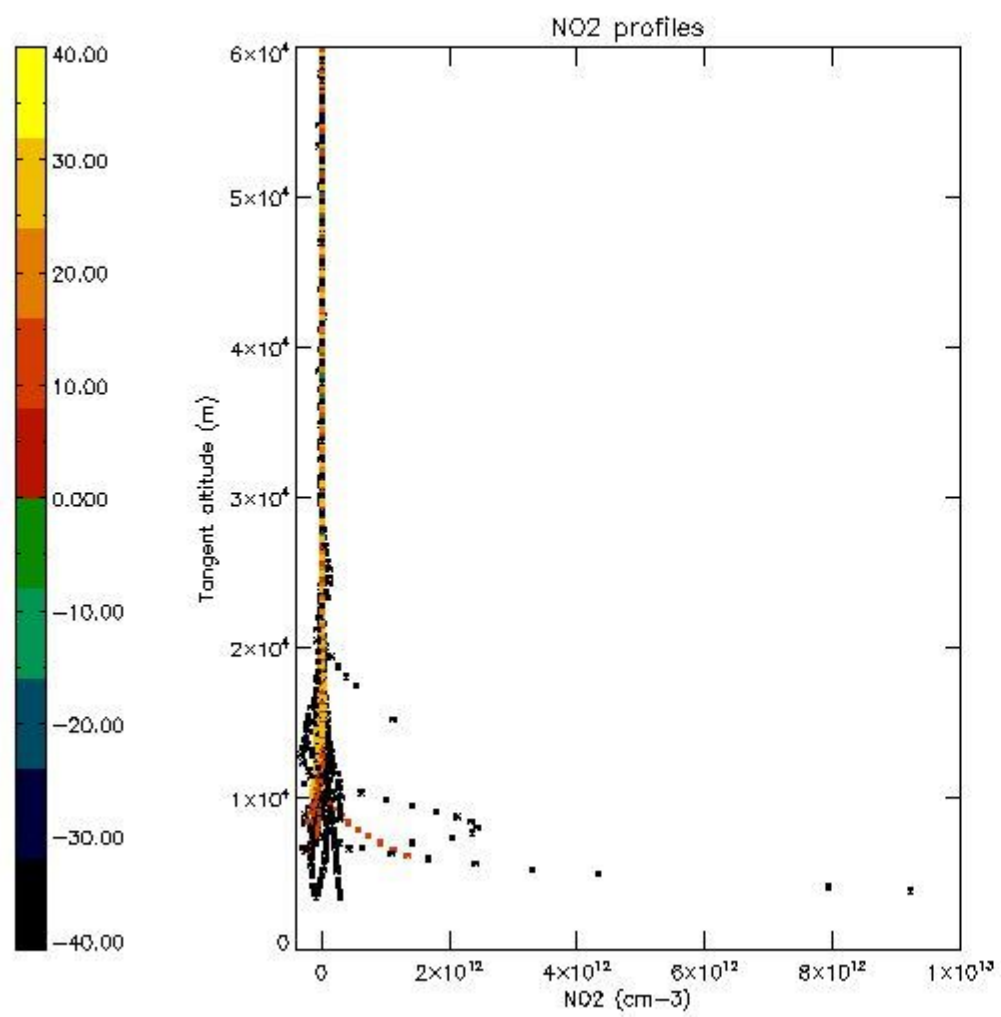
5.5 Plot ozone profiles where $STD < 5\%$ (dark without errors)

The colorbar represents the latitude.



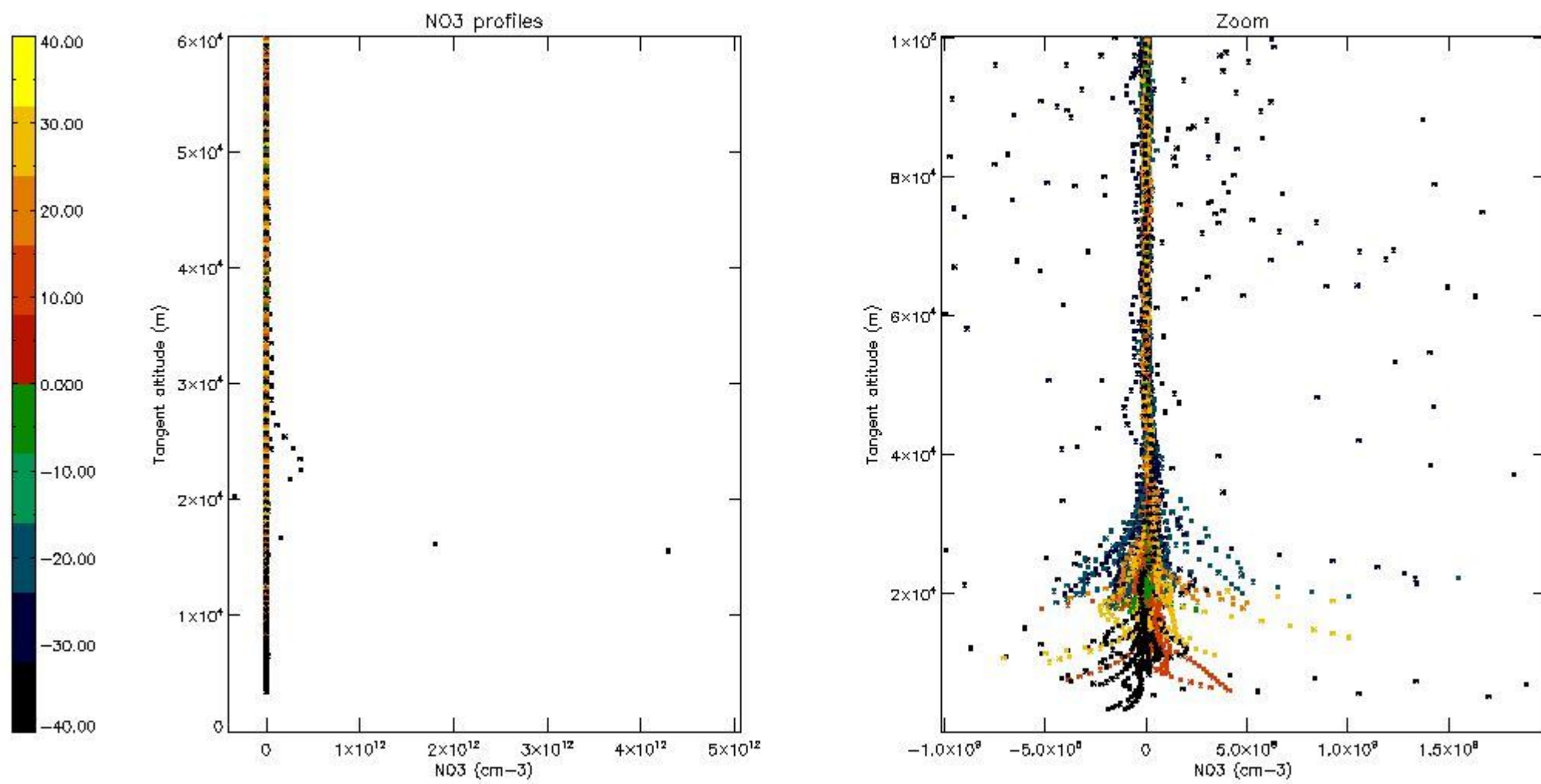
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



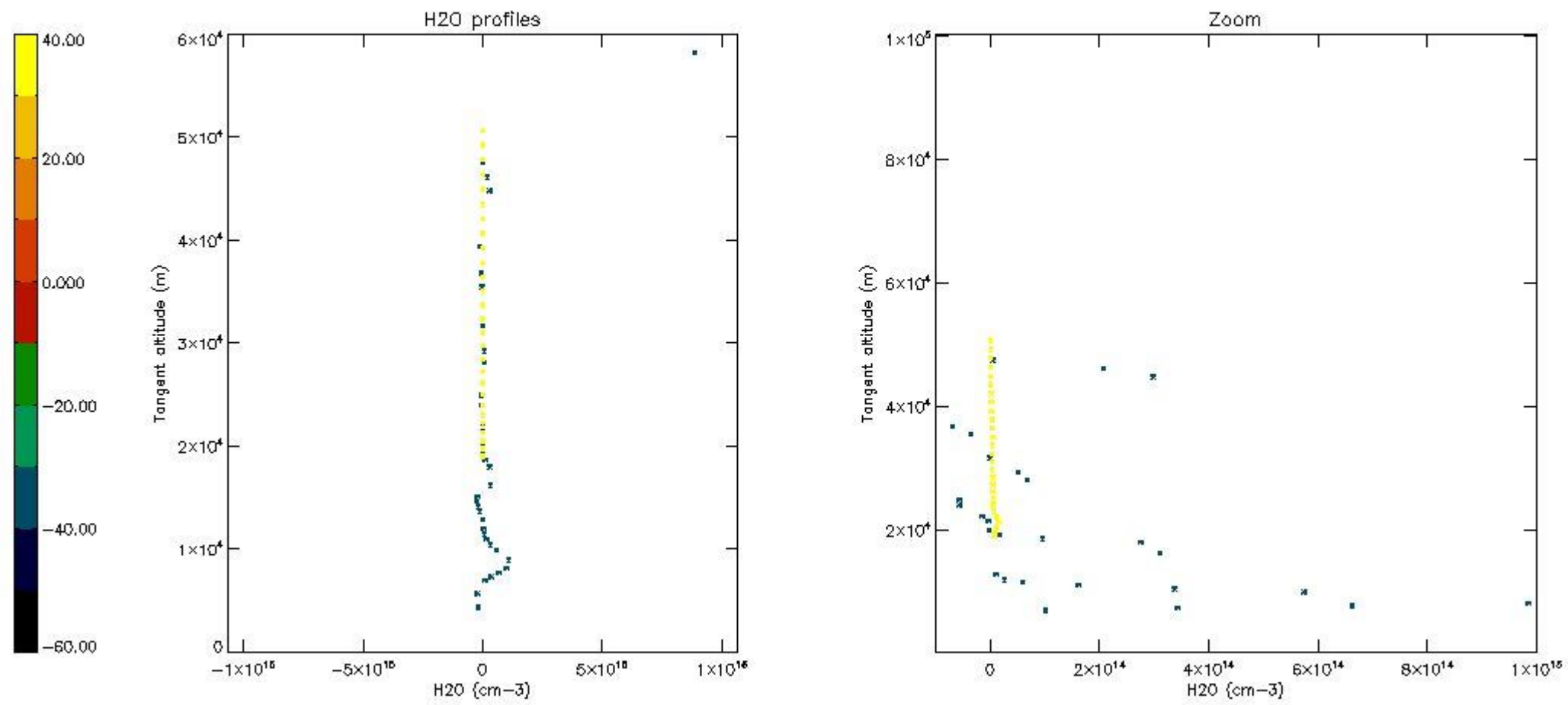
5.7 Plot NO3 profiles for all STD (dark without errors)

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	07-FEB-2011 00:04:39
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	07-FEB-2011 00:04:39
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	07-FEB-2011 00:04:39

GOMOS Level 2 Daily Report

SUMMARY

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

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

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

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[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 10:04:45
Data source version	GOMOS/6.01
Start time of products	07-02-2011 (07FEB2011 00:00:00)
Stop time of products	08-02-2011 (08FEB2011 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	242
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__2PRFIN20110207_000439_000000523099_00174_46740_7528.N1	07-FEB-2011 00:04:39	Bright	51.500	119	14Eta Dra	2.7270	4700.0	103	46740	No
2	GOM_NL__2PRFIN20110207_000804_000000393099_00174_46740_7529.N1	07-FEB-2011 00:08:04	Bright	39.000	130	23Bet Dra	2.7990	5800.0	78	46740	No
3	GOM_NL__2PRFIN20110207_001458_000000473099_00174_46740_7530.N1	07-FEB-2011 00:14:58	Bright	47.000	133	40Zet Her	2.8070	6000.0	94	46740	No
4	GOM_NL__2PRFIN20110207_002023_000000593099_00174_46740_7531.N1	07-FEB-2011 00:20:23	Bright	59.000	59	55Alp Oph	2.0800	8900.0	118	46740	No
5	GOM_NL__2PRFIN20110207_002234_000000413099_00174_46740_7532.N1	07-FEB-2011 00:22:34	Bright	41.000	126	60Bet Oph	2.7700	4250.0	82	46740	No
6	GOM_NL__2PRFIN20110207_002921_000000473099_00174_46740_7533.N1	07-FEB-2011 00:29:21	Twilight	47.000	86	35Eta Oph	2.4300	10200.	94	46740	No
7	GOM_NL__2PRFIN20110207_003356_000000643099_00174_46740_7534.N1	07-FEB-2011 00:33:56	Dark	64.000	16	21Alp Sco	1.0200	3000.0	128	46740	No
8	GOM_NL__2PRFIN20110207_003538_000000493099_00174_46740_7535.N1	07-FEB-2011 00:35:38	Dark	48.500	158	6Pi Sco	2.9060	28000.	97	46740	No
9	GOM_NL__2PRFIN20110207_004549_000000413099_00175_46741_7532.N1	07-FEB-2011 00:45:49	Dark	40.500	10	Bet Cen	0.61000	28000.	81	46741	No
10	GOM_NL__2PRFIN20110207_004906_000000493099_00175_46741_7533.N1	07-FEB-2011 00:49:06	Dark	49.000	12	Alp1Cru	0.77500	30000.	98	46741	No
11	GOM_NL__2PRFIN20110207_005127_000000473099_00175_46741_7534.N1	07-FEB-2011 00:51:27	Dark	46.500	99	Del Cen	2.5750	26000.	93	46741	No
12	GOM_NL__2PRFIN20110207_005451_000000433099_00175_46741_7535.N1	07-FEB-2011 00:54:51	Dark	43.000	113	Mu Vel	2.6920	5000.0	86	46741	No
13	GOM_NL__2PRFIN20110207_010921_000000453099_00175_46741_7536.N1	07-FEB-2011 01:09:21	Straylight	44.500	48	30Alp Hya	1.9770	4100.0	89	46741	No
14	GOM_NL__2PRFIN20110207_012006_000000403099_00175_46741_7537.N1	07-FEB-2011 01:20:06	Bright	40.000	17	78Bet Gem	1.1610	4500.0	80	46741	No
15	GOM_NL__2PRFIN20110207_013402_000000433099_00175_46741_7538.N1	07-FEB-2011 01:34:02	Bright	42.500	36	50Alp UMa	1.8000	6300.0	85	46741	No
16	GOM_NL__2PRFIN20110207_014005_000000403099_00175_46741_7539.N1	07-FEB-2011 01:40:05	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	46741	No
17	GOM_NL__2PRFIN20110207_014453_000000423099_00175_46741_7540.N1	07-FEB-2011 01:44:53	Bright	41.500	119	14Eta Dra	2.7270	4700.0	83	46741	No
18	GOM_NL__2PRFIN20110207_014818_000000383099_00175_46741_7541.N1	07-FEB-2011 01:48:18	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	46741	No
19	GOM_NL__2PRFIN20110207_015512_000000653099_00175_46741_7542.N1	07-FEB-2011 01:55:12	Bright	65.000	133	40Zet Her	2.8070	6000.0	130	46741	No
20	GOM_NL__2PRFIN20110207_020038_000000413099_00175_46741_7543.N1	07-FEB-2011 02:00:38	Bright	40.500	59	55Alp Oph	2.0800	8900.0	81	46741	No
21	GOM_NL__2PRFIN20110207_020248_000000433099_00175_46741_7544.N1	07-FEB-2011 02:02:48	Bright	43.000	126	60Bet Oph	2.7700	4250.0	86	46741	No
22	GOM_NL__2PRFIN20110207_020935_000000433099_00175_46741_7545.N1	07-FEB-2011 02:09:35	Twilight	43.000	86	35Eta Oph	2.4300	10200.	86	46741	No
23	GOM_NL__2PRFIN20110207_021411_000000643099_00175_46741_7546.N1	07-FEB-2011 02:14:11	Dark	64.000	16	21Alp Sco	1.0200	3000.0	128	46741	No
24	GOM_NL__2PRFIN20110207_022005_000000463099_00175_46741_7547.N1	07-FEB-2011 02:20:05	Dark	45.500	131	Gam Lup	2.8000	26000.	91	46741	No
25	GOM_NL__2PRFIN20110207_022604_000000433099_00176_46742_7562.N1	07-FEB-2011 02:26:04	Dark	43.000	10	Bet Cen	0.61000	28000.	86	46742	No
26	GOM_NL__2PRFIN20110207_022920_000000513099_00176_46742_7563.N1	07-FEB-2011 02:29:20	Dark	50.500	12	Alp1Cru	0.77500	30000.	101	46742	No
27	GOM_NL__2PRFIN20110207_023142_000000453099_00176_46742_7564.N1	07-FEB-2011 02:31:42	Dark	44.500	99	Del Cen	2.5750	26000.	89	46742	No
28	GOM_NL__2PRFIN20110207_023506_000000473099_00176_46742_7565.N1	07-FEB-2011 02:35:06	Dark	47.000	113	Mu Vel	2.6920	5000.0	94	46742	No
29	GOM_NL__2PRFIN20110207_024935_000000503099_00176_46742_7566.N1	07-FEB-2011 02:49:35	Straylight	50.000	48	30Alp Hya	1.9770	4100.0	100	46742	No
30	GOM_NL__2PRFIN20110207_030020_000000413099_00176_46742_7567.N1	07-FEB-2011 03:00:20	Bright	40.500	17	78Bet Gem	1.1610	4500.0	81	46742	No
31	GOM_NL__2PRFIN20110207_031416_000000433099_00176_46742_7568.N1	07-FEB-2011 03:14:16	Bright	42.500	36	50Alp UMa	1.8000	6300.0	85	46742	No
32	GOM_NL__2PRFIN20110207_032019_000000383099_00176_46742_7569.N1	07-FEB-2011 03:20:19	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	46742	No
33	GOM_NL__2PRFIN20110207_032506_000000413099_00176_46742_7570.N1	07-FEB-2011 03:25:06	Bright	41.000	119	14Eta Dra	2.7270	4700.0	82	46742	No
34	GOM_NL__2PRFIN20110207_032832_000000403099_00176_46742_7571.N1	07-FEB-2011 03:28:32	Bright	40.000	130	23Bet Dra	2.7990	5800.0	80	46742	No
35	GOM_NL__2PRFIN20110207_033526_000000463099_00176_46742_7572.N1	07-FEB-2011 03:35:26	Bright	45.500	133	40Zet Her	2.8070	6000.0	91	46742	No
36	GOM_NL__2PRFIN20110207_034052_000000593099_00176_46742_7573.N1	07-FEB-2011 03:40:52	Bright	59.000	59	55Alp Oph	2.0800	8900.0	118	46742	No
37	GOM_NL__2PRFIN20110207_034303_000000573099_00176_46742_7574.N1	07-FEB-2011 03:43:03	Bright	57.000	126	60Bet Oph	2.7700	4250.0	114	46742	No
38	GOM_NL__2PRFIN20110207_034950_000000463099_00176_46742_7575.N1	07-FEB-2011 03:49:50	Twilight	46.000	86	35Eta Oph	2.4300	10200.	92	46742	No
39	GOM_NL__2PRFIN20110207_035426_000000563099_00176_46742_7576.N1	07-FEB-2011 03:54:26	Dark	55.500	16	21Alp Sco	1.0200	3000.0	111	46742	No
40	GOM_NL__2PRFIN20110207_040020_000000453099_00176_46742_7577.N1	07-FEB-2011 04:00:20	Dark	45.000	131	Gam Lup	2.8000	26000.	90	46742	No
41	GOM_NL__2PRFIN20110207_040619_000000443099_00177_46743_7574.N1	07-FEB-2011 04:06:19	Dark	43.500	10	Bet Cen	0.61000	28000.	87	46743	No
42	GOM_NL__2PRFIN20110207_040935_000000423099_00177_46743_7575.N1	07-FEB-2011 04:09:35	Dark	42.000	12	Alp1Cru	0.77500	30000.	84	46743	No

43	GOM_NL_2PRFIN20110207_041156_000000443099_00177_46743_7576.N1	07-FEB-2011 04:11:56	Dark	44.000	99	Del Cen	2.5750	26000.	88	46743	No
44	GOM_NL_2PRFIN20110207_041521_000000473099_00177_46743_7577.N1	07-FEB-2011 04:15:21	Dark	46.500	113	Mu Vel	2.6920	5000.0	93	46743	No
45	GOM_NL_2PRFIN20110207_042949_000000523099_00177_46743_7578.N1	07-FEB-2011 04:29:49	Straylight	52.000	48	30Alp Hya	1.9770	4100.0	104	46743	No
46	GOM_NL_2PRFIN20110207_044034_000000403099_00177_46743_7579.N1	07-FEB-2011 04:40:34	Bright	39.500	17	78Bet Gem	1.1610	4500.0	79	46743	No
47	GOM_NL_2PRFIN20110207_045429_000000473099_00177_46743_7580.N1	07-FEB-2011 04:54:29	Bright	47.000	36	50Alp UMa	1.8000	6300.0	94	46743	No
48	GOM_NL_2PRFIN20110207_050033_000000363099_00177_46743_7581.N1	07-FEB-2011 05:00:33	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	46743	No
49	GOM_NL_2PRFIN20110207_050520_000000403099_00177_46743_7582.N1	07-FEB-2011 05:05:20	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	46743	No
50	GOM_NL_2PRFIN20110207_050846_000000403099_00177_46743_7583.N1	07-FEB-2011 05:08:46	Bright	39.500	130	23Bet Dra	2.7990	5800.0	79	46743	No
51	GOM_NL_2PRFIN20110207_051540_000000483099_00177_46743_7584.N1	07-FEB-2011 05:15:40	Bright	48.000	133	40Zet Her	2.8070	6000.0	96	46743	No
52	GOM_NL_2PRFIN20110207_052107_000000593099_00177_46743_7585.N1	07-FEB-2011 05:21:07	Bright	59.000	59	55Alp Oph	2.0800	8900.0	118	46743	No
53	GOM_NL_2PRFIN20110207_052317_000000573099_00177_46743_7586.N1	07-FEB-2011 05:23:17	Bright	57.000	126	60Bet Oph	2.7700	4250.0	114	46743	No
54	GOM_NL_2PRFIN20110207_053005_000000453099_00177_46743_7587.N1	07-FEB-2011 05:30:05	Tw_i_and_stray	45.000	86	35Eta Oph	2.4300	10200.	90	46743	No
55	GOM_NL_2PRFIN20110207_053441_000000643099_00177_46743_7588.N1	07-FEB-2011 05:34:41	Dark	64.000	16	21Alp Sco	1.0200	3000.0	128	46743	No
56	GOM_NL_2PRFIN20110207_053624_000000503099_00177_46743_7589.N1	07-FEB-2011 05:36:24	Dark	49.500	158	6Pi Sco	2.9060	28000.	99	46743	No
57	GOM_NL_2PRFIN20110207_054035_000000453099_00177_46743_7590.N1	07-FEB-2011 05:40:35	Dark	45.000	131	Gam Lup	2.8000	26000.	90	46743	No
58	GOM_NL_2PRFIN20110207_054633_000000433099_00178_46744_7587.N1	07-FEB-2011 05:46:33	Dark	42.500	10	Bet Cen	0.61000	28000.	85	46744	No
59	GOM_NL_2PRFIN20110207_054950_000000463099_00178_46744_7588.N1	07-FEB-2011 05:49:50	Dark	45.500	12	Alp1Cru	0.77500	30000.	91	46744	No
60	GOM_NL_2PRFIN20110207_055211_000000453099_00178_46744_7589.N1	07-FEB-2011 05:52:11	Dark	45.000	99	Del Cen	2.5750	26000.	90	46744	No
61	GOM_NL_2PRFIN20110207_055535_000000473099_00178_46744_7590.N1	07-FEB-2011 05:55:35	Dark	47.000	113	Mu Vel	2.6920	5000.0	94	46744	No
62	GOM_NL_2PRFIN20110207_061003_000000603099_00178_46744_7591.N1	07-FEB-2011 06:10:03	Straylight	59.500	48	30Alp Hya	1.9770	4100.0	119	46744	No
63	GOM_NL_2PRFIN20110207_062048_000000403099_00178_46744_7592.N1	07-FEB-2011 06:20:48	Bright	40.000	17	78Bet Gem	1.1610	4500.0	80	46744	No
64	GOM_NL_2PRFIN20110207_063357_000000273099_00178_46744_7593.N1	07-FEB-2011 06:33:57	Tw_i_and_stray	27.000	82	48Bet UMa	2.3650	10600.	54	46744	No
65	GOM_NL_2PRFIN20110207_064047_000000363099_00178_46744_7594.N1	07-FEB-2011 06:40:47	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	46744	No
66	GOM_NL_2PRFIN20110207_064534_000000413099_00178_46744_7595.N1	07-FEB-2011 06:45:34	Bright	41.000	119	14Eta Dra	2.7270	4700.0	82	46744	No
67	GOM_NL_2PRFIN20110207_064900_000000403099_00178_46744_7596.N1	07-FEB-2011 06:49:00	Bright	39.500	130	23Bet Dra	2.7990	5800.0	79	46744	No
68	GOM_NL_2PRFIN20110207_065554_000000493099_00178_46744_7597.N1	07-FEB-2011 06:55:54	Bright	48.500	133	40Zet Her	2.8070	6000.0	97	46744	No
69	GOM_NL_2PRFIN20110207_070121_000000413099_00178_46744_7598.N1	07-FEB-2011 07:01:21	Bright	41.000	59	55Alp Oph	2.0800	8900.0	82	46744	No
70	GOM_NL_2PRFIN20110207_070332_000000413099_00178_46744_7599.N1	07-FEB-2011 07:03:32	Bright	40.500	126	60Bet Oph	2.7700	4250.0	81	46744	No
71	GOM_NL_2PRFIN20110207_071019_000000453099_00178_46744_7600.N1	07-FEB-2011 07:10:19	Tw_i_and_stray	45.000	86	35Eta Oph	2.4300	10200.	90	46744	No
72	GOM_NL_2PRFIN20110207_071456_000000583099_00178_46744_7601.N1	07-FEB-2011 07:14:56	Dark	58.000	16	21Alp Sco	1.0200	3000.0	116	46744	No
73	GOM_NL_2PRFIN20110207_071639_000000503099_00178_46744_7602.N1	07-FEB-2011 07:16:39	Dark	49.500	158	6Pi Sco	2.9060	28000.	99	46744	No
74	GOM_NL_2PRFIN20110207_072050_000000443099_00178_46744_7603.N1	07-FEB-2011 07:20:50	Dark	44.000	131	Gam Lup	2.8000	26000.	88	46744	No
75	GOM_NL_2PRFIN20110207_072648_000000423099_00179_46745_7643.N1	07-FEB-2011 07:26:48	Dark	41.500	10	Bet Cen	0.61000	28000.	83	46745	No
76	GOM_NL_2PRFIN20110207_073004_000000533099_00179_46745_7644.N1	07-FEB-2011 07:30:04	Dark	52.500	12	Alp1Cru	0.77500	30000.	105	46745	No
77	GOM_NL_2PRFIN20110207_073226_000000463099_00179_46745_7645.N1	07-FEB-2011 07:32:26	Dark	45.500	99	Del Cen	2.5750	26000.	91	46745	No
78	GOM_NL_2PRFIN20110207_073550_000000433099_00179_46745_7646.N1	07-FEB-2011 07:35:50	Dark	42.500	113	Mu Vel	2.6920	5000.0	85	46745	No
79	GOM_NL_2PRFIN20110207_075017_000000643099_00179_46745_7647.N1	07-FEB-2011 07:50:17	Straylight	64.000	48	30Alp Hya	1.9770	4100.0	128	46745	No
80	GOM_NL_2PRFIN20110207_080102_000000533099_00179_46745_7648.N1	07-FEB-2011 08:01:02	Bright	53.000	17	78Bet Gem	1.1610	4500.0	106	46745	No
81	GOM_NL_2PRFIN20110207_081410_000000273099_00179_46745_7649.N1	07-FEB-2011 08:14:10	Tw_i_and_stray	27.000	82	48Bet UMa	2.3650	10600.	54	46745	No
82	GOM_NL_2PRFIN20110207_082100_000000373099_00179_46745_7650.N1	07-FEB-2011 08:21:00	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	46745	No
83	GOM_NL_2PRFIN20110207_082548_000000423099_00179_46745_7651.N1	07-FEB-2011 08:25:48	Bright	41.500	119	14Eta Dra	2.7270	4700.0	83	46745	No
84	GOM_NL_2PRFIN20110207_082914_000000403099_00179_46745_7652.N1	07-FEB-2011 08:29:14	Bright	40.000	130	23Bet Dra	2.7990	5800.0	80	46745	No
85	GOM_NL_2PRFIN20110207_083609_000000683099_00179_46745_7653.N1	07-FEB-2011 08:36:09	Bright	68.000	133	40Zet Her	2.8070	6000.0	136	46745	No
86	GOM_NL_2PRFIN20110207_084136_000000403099_00179_46745_7654.N1	07-FEB-2011 08:41:36	Bright	40.000	59	55Alp Oph	2.0800	8900.0	80	46745	No
87	GOM_NL_2PRFIN20110207_084346_000000403099_00179_46745_7655.N1	07-FEB-2011 08:43:46	Bright	40.000	126	60Bet Oph	2.7700	4250.0	80	46745	No
88	GOM_NL_2PRFIN20110207_085034_000000453099_00179_46745_7656.N1	07-FEB-2011 08:50:34	Twilight	44.500	86	35Eta Oph	2.4300	10200.	89	46745	No
89	GOM_NL_2PRFIN20110207_085511_000000533099_00179_46745_7657.N1	07-FEB-2011 08:55:11	Dark	53.000	16	21Alp Sco	1.0200	3000.0	106	46745	No
90	GOM_NL_2PRFIN20110207_085654_000000493099_00179_46745_7658.N1	07-FEB-2011 08:56:54	Dark	49.000	158	6Pi Sco	2.9060	28000.	98	46745	No
91	GOM_NL_2PRFIN20110207_090105_000000453099_00179_46745_7659.N1	07-FEB-2011 09:01:05	Dark	45.000	131	Gam Lup	2.8000	26000.	90	46745	No
92	GOM_NL_2PRFIN20110207_090703_000000423099_00180_46746_7648.N1	07-FEB-2011 09:07:03	Dark	42.000	10	Bet Cen	0.61000	28000.	84	46746	No
93	GOM_NL_2PRFIN20110207_091019_000000413099_00180_46746_7649.N1	07-FEB-2011 09:10:19	Dark	41.000	12	Alp1Cru	0.77500	30000.	82	46746	No
94	GOM_NL_2PRFIN20110207_091241_000000463099_00180_46746_7650.N1	07-FEB-2011 09:12:41	Dark	45.500	99	Del Cen	2.5750	26000.	91	46746	No
95	GOM_NL_2PRFIN20110207_091604_000000463099_00180_46746_7651.N1	07-FEB-2011 09:16:04	Dark	45.500	113	Mu Vel	2.6920	5000.0	91	46746	No
96	GOM_NL_2PRFIN20110207_093031_000000583099_00180_46746_7652.N1	07-FEB-2011 09:30:31	Straylight	58.000	48	30Alp Hya	1.9770	4100.0	116	46746	No
97	GOM_NL_2PRFIN20110207_094116_000000533099_00180_46746_7653.N1	07-FEB-2011 09:41:16	Bright	52.500	17	78Bet Gem	1.1610	4500.0	105	46746	No
98	GOM_NL_2PRFIN20110207_095423_000000303099_00180_46746_7654.N1	07-FEB-2011 09:54:23	Tw_i_and_stray	30.000	82	48Bet UMa	2.3650	10600.	60	46746	No
99	GOM_NL_2PRFIN20110207_100114_000000413099_00180_46746_7655.N1	07-FEB-2011 10:01:14	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	46746	No
100	GOM_NL_2PRFIN20110207_100602_000000423099_00180_46746_7656.N1	07-FEB-2011 10:06:02	Bright	41.500	119	14Eta Dra	2.7270	4700.0	83	46746	No
101	GOM_NL_2PRFIN20110207_100928_000000393099_00180_46746_7657.N1	07-FEB-2011 10:09:28	Bright	39.000	130	23Bet Dra	2.7990	5800.0	78	46746	No

102	GOM_NL__2PRFIN20110207_101623_000000683099_00180_46746_7658.N1	07-FEB-2011 10:16:23	Bright	68.000	133	40Zet Her	2.8070	6000.0	136	46746	No
103	GOM_NL__2PRFIN20110207_102150_000000413099_00180_46746_7659.N1	07-FEB-2011 10:21:50	Bright	41.000	59	55Alp Oph	2.0800	8900.0	82	46746	No
104	GOM_NL__2PRFIN20110207_102401_000000573099_00180_46746_7660.N1	07-FEB-2011 10:24:01	Bright	57.000	126	60Bet Oph	2.7700	4250.0	114	46746	No
105	GOM_NL__2PRFIN20110207_103049_000000463099_00180_46746_7661.N1	07-FEB-2011 10:30:49	Twilight	46.000	86	35Eta Oph	2.4300	10200.	92	46746	No
106	GOM_NL__2PRFIN20110207_103526_000000543099_00180_46746_7662.N1	07-FEB-2011 10:35:26	Dark	54.000	16	21Alp Sco	1.0200	3000.0	108	46746	No
107	GOM_NL__2PRFIN20110207_103709_000000503099_00180_46746_7663.N1	07-FEB-2011 10:37:09	Dark	49.500	158	6Pi Sco	2.9060	28000.	99	46746	No
108	GOM_NL__2PRFIN20110207_104120_000000463099_00180_46746_7664.N1	07-FEB-2011 10:41:20	Dark	46.000	131	Gam Lup	2.8000	26000.	92	46746	No
109	GOM_NL__2PRFIN20110207_104717_000000423099_00181_46747_7677.N1	07-FEB-2011 10:47:17	Dark	42.000	10	Bet Cen	0.61000	28000.	84	46747	No
110	GOM_NL__2PRFIN20110207_105033_000000523099_00181_46747_7678.N1	07-FEB-2011 10:50:33	Dark	51.500	12	Alp1Cru	0.77500	30000.	103	46747	No
111	GOM_NL__2PRFIN20110207_105255_000000463099_00181_46747_7679.N1	07-FEB-2011 10:52:55	Dark	46.000	99	Del Cen	2.5750	26000.	92	46747	No
112	GOM_NL__2PRFIN20110207_105619_000000473099_00181_46747_7680.N1	07-FEB-2011 10:56:19	Dark	46.500	113	Mu Vel	2.6920	5000.0	93	46747	No
113	GOM_NL__2PRFIN20110207_111045_000000543099_00181_46747_7681.N1	07-FEB-2011 11:10:45	Straylight	53.500	48	30Alp Hya	1.9770	4100.0	107	46747	No
114	GOM_NL__2PRFIN20110207_112130_000000383099_00181_46747_7682.N1	07-FEB-2011 11:21:30	Bright	38.000	17	78Bet Gem	1.1610	4500.0	76	46747	No
115	GOM_NL__2PRFIN20110207_113437_000000303099_00181_46747_7683.N1	07-FEB-2011 11:34:37	Tw_and_stray	30.000	82	48Bet UMa	2.3650	10600.	60	46747	No
116	GOM_NL__2PRFIN20110207_114128_000000413099_00181_46747_7684.N1	07-FEB-2011 11:41:28	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	46747	No
117	GOM_NL__2PRFIN20110207_114615_000000423099_00181_46747_7685.N1	07-FEB-2011 11:46:15	Bright	41.500	119	14Eta Dra	2.7270	4700.0	83	46747	No
118	GOM_NL__2PRFIN20110207_114942_000000393099_00181_46747_7686.N1	07-FEB-2011 11:49:42	Bright	39.000	130	23Bet Dra	2.7990	5800.0	78	46747	No
119	GOM_NL__2PRFIN20110207_115637_000000683099_00181_46747_7687.N1	07-FEB-2011 11:56:37	Bright	68.000	133	40Zet Her	2.8070	6000.0	136	46747	No
120	GOM_NL__2PRFIN20110207_120204_000000593099_00181_46747_7688.N1	07-FEB-2011 12:02:04	Bright	59.000	59	55Alp Oph	2.0800	8900.0	118	46747	No
121	GOM_NL__2PRFIN20110207_120415_000000433099_00181_46747_7689.N1	07-FEB-2011 12:04:15	Bright	42.500	126	60Bet Oph	2.7700	4250.0	85	46747	No
122	GOM_NL__2PRFIN20110207_121103_000000443099_00181_46747_7690.N1	07-FEB-2011 12:11:03	Twilight	43.500	86	35Eta Oph	2.4300	10200.	87	46747	No
123	GOM_NL__2PRFIN20110207_121540_000000643099_00181_46747_7691.N1	07-FEB-2011 12:15:40	Dark	63.500	16	21Alp Sco	1.0200	3000.0	127	46747	No
124	GOM_NL__2PRFIN20110207_121724_000000513099_00181_46747_7692.N1	07-FEB-2011 12:17:24	Dark	50.500	158	6Pi Sco	2.9060	28000.	101	46747	No
125	GOM_NL__2PRFIN20110207_122135_000000463099_00181_46747_7693.N1	07-FEB-2011 12:21:35	Dark	46.000	131	Gam Lup	2.8000	26000.	92	46747	No
126	GOM_NL__2PRFIN20110207_122732_000000423099_00182_46748_7712.N1	07-FEB-2011 12:27:32	Dark	41.500	10	Bet Cen	0.61000	28000.	83	46748	No
127	GOM_NL__2PRFIN20110207_123048_000000423099_00182_46748_7713.N1	07-FEB-2011 12:30:48	Dark	41.500	12	Alp1Cru	0.77500	30000.	83	46748	No
128	GOM_NL__2PRFIN20110207_123310_000000453099_00182_46748_7714.N1	07-FEB-2011 12:33:10	Dark	45.000	99	Del Cen	2.5750	26000.	90	46748	No
129	GOM_NL__2PRFIN20110207_123633_000000433099_00182_46748_7715.N1	07-FEB-2011 12:36:33	Dark	43.000	113	Mu Vel	2.6920	5000.0	86	46748	No
130	GOM_NL__2PRFIN20110207_125059_000000583099_00182_46748_7716.N1	07-FEB-2011 12:50:59	Straylight	57.500	48	30Alp Hya	1.9770	4100.0	115	46748	No
131	GOM_NL__2PRFIN20110207_130144_000000393099_00182_46748_7717.N1	07-FEB-2011 13:01:44	Bright	39.000	17	78Bet Gem	1.1610	4500.0	78	46748	No
132	GOM_NL__2PRFIN20110207_131450_000000333099_00182_46748_7718.N1	07-FEB-2011 13:14:50	Tw_and_stray	33.000	82	48Bet UMa	2.3650	10600.	66	46748	No
133	GOM_NL__2PRFIN20110207_132142_000000373099_00182_46748_7719.N1	07-FEB-2011 13:21:42	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	46748	No
134	GOM_NL__2PRFIN20110207_132629_000000423099_00182_46748_7720.N1	07-FEB-2011 13:26:29	Bright	41.500	119	14Eta Dra	2.7270	4700.0	83	46748	No
135	GOM_NL__2PRFIN20110207_132956_000000403099_00182_46748_7721.N1	07-FEB-2011 13:29:56	Bright	39.500	130	23Bet Dra	2.7990	5800.0	79	46748	No
136	GOM_NL__2PRFIN20110207_133651_000000693099_00182_46748_7722.N1	07-FEB-2011 13:36:51	Bright	69.000	133	40Zet Her	2.8070	6000.0	138	46748	No
137	GOM_NL__2PRFIN20110207_134219_000000593099_00182_46748_7723.N1	07-FEB-2011 13:42:19	Bright	59.000	59	55Alp Oph	2.0800	8900.0	118	46748	No
138	GOM_NL__2PRFIN20110207_134429_000000573099_00182_46748_7724.N1	07-FEB-2011 13:44:29	Bright	57.000	126	60Bet Oph	2.7700	4250.0	114	46748	No
139	GOM_NL__2PRFIN20110207_135118_000000483099_00182_46748_7725.N1	07-FEB-2011 13:51:18	Twilight	48.000	86	35Eta Oph	2.4300	10200.	96	46748	No
140	GOM_NL__2PRFIN20110207_135555_000000643099_00182_46748_7726.N1	07-FEB-2011 13:55:55	Dark	64.000	16	21Alp Sco	1.0200	3000.0	128	46748	No
141	GOM_NL__2PRFIN20110207_135739_000000493099_00182_46748_7727.N1	07-FEB-2011 13:57:39	Dark	48.500	158	6Pi Sco	2.9060	28000.	97	46748	No
142	GOM_NL__2PRFIN20110207_140150_000000463099_00182_46748_7728.N1	07-FEB-2011 14:01:50	Dark	46.000	131	Gam Lup	2.8000	26000.	92	46748	No
143	GOM_NL__2PRFIN20110207_140746_000000433099_00183_46749_7745.N1	07-FEB-2011 14:07:46	Dark	42.500	10	Bet Cen	0.61000	28000.	85	46749	No
144	GOM_NL__2PRFIN20110207_141102_000000413099_00183_46749_7746.N1	07-FEB-2011 14:11:02	Dark	41.000	12	Alp1Cru	0.77500	30000.	82	46749	No
145	GOM_NL__2PRFIN20110207_141325_000000463099_00183_46749_7747.N1	07-FEB-2011 14:13:25	Dark	45.500	99	Del Cen	2.5750	26000.	91	46749	No
146	GOM_NL__2PRFIN20110207_141648_000000433099_00183_46749_7748.N1	07-FEB-2011 14:16:48	Dark	43.000	113	Mu Vel	2.6920	5000.0	86	46749	No
147	GOM_NL__2PRFIN20110207_143113_000000573099_00183_46749_7749.N1	07-FEB-2011 14:31:13	Straylight	57.000	48	30Alp Hya	1.9770	4100.0	114	46749	No
148	GOM_NL__2PRFIN20110207_144158_000000403099_00183_46749_7750.N1	07-FEB-2011 14:41:58	Bright	39.500	17	78Bet Gem	1.1610	4500.0	79	46749	No
149	GOM_NL__2PRFIN20110207_145503_000000333099_00183_46749_7751.N1	07-FEB-2011 14:55:03	Tw_and_stray	33.000	82	48Bet UMa	2.3650	10600.	66	46749	No
150	GOM_NL__2PRFIN20110207_150155_000000413099_00183_46749_7752.N1	07-FEB-2011 15:01:55	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	46749	No
151	GOM_NL__2PRFIN20110207_150643_000000413099_00183_46749_7753.N1	07-FEB-2011 15:06:43	Bright	41.000	119	14Eta Dra	2.7270	4700.0	82	46749	No
152	GOM_NL__2PRFIN20110207_151010_000000393099_00183_46749_7754.N1	07-FEB-2011 15:10:10	Bright	39.000	130	23Bet Dra	2.7990	5800.0	78	46749	No
153	GOM_NL__2PRFIN20110207_151705_000000693099_00183_46749_7755.N1	07-FEB-2011 15:17:05	Bright	69.000	133	40Zet Her	2.8070	6000.0	138	46749	No
154	GOM_NL__2PRFIN20110207_152233_000000593099_00183_46749_7756.N1	07-FEB-2011 15:22:33	Bright	59.000	59	55Alp Oph	2.0800	8900.0	118	46749	No
155	GOM_NL__2PRFIN20110207_152444_000000573099_00183_46749_7757.N1	07-FEB-2011 15:24:44	Bright	57.000	126	60Bet Oph	2.7700	4250.0	114	46749	No
156	GOM_NL__2PRFIN20110207_153132_000000453099_00183_46749_7758.N1	07-FEB-2011 15:31:32	Twilight	45.000	86	35Eta Oph	2.4300	10200.	90	46749	No
157	GOM_NL__2PRFIN20110207_153610_000000543099_00183_46749_7759.N1	07-FEB-2011 15:36:10	Dark	53.500	16	21Alp Sco	1.0200	3000.0	107	46749	No
158	GOM_NL__2PRFIN20110207_153755_000000503099_00183_46749_7760.N1	07-FEB-2011 15:37:55	Dark	50.000	158	6Pi Sco	2.9060	28000.	100	46749	No
159	GOM_NL__2PRFIN20110207_154205_000000453099_00183_46749_7761.N1	07-FEB-2011 15:42:05	Dark	45.000	131	Gam Lup	2.8000	26000.	90	46749	No
160	GOM_NL__2PRFIN20110207_154801_000000433099_00184_46750_7788.N1	07-FEB-2011 15:48:01	Dark	42.500	10	Bet Cen	0.61000	28000.	85	46750	No

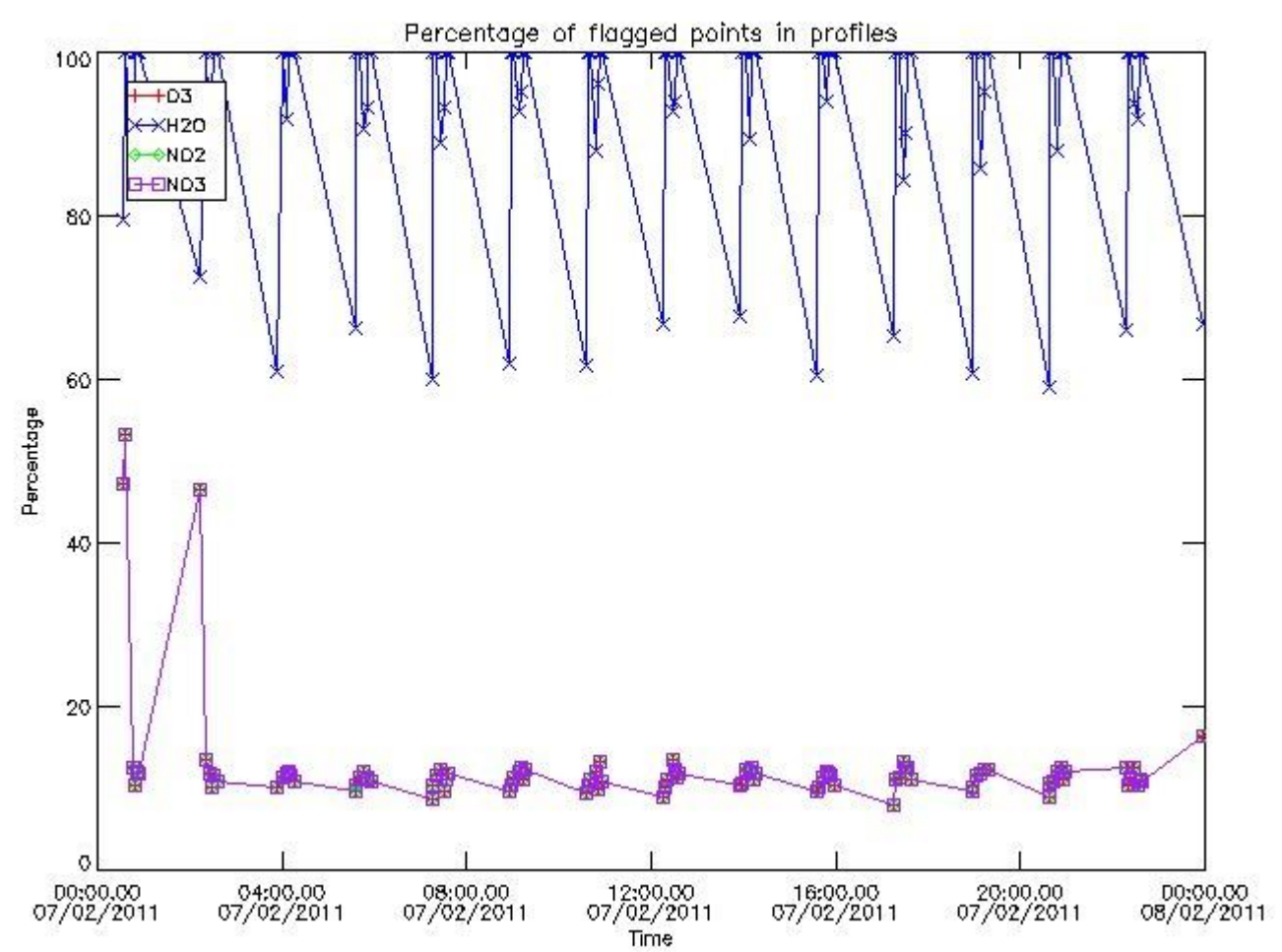
161	GOM_NL__2PRFIN20110207_155117_000000433099_00184_46750_7789.N1	07-FEB-2011 15:51:17	Dark	43.000	12	Alp1Cru	0.77500	30000.	86	46750	No
162	GOM_NL__2PRFIN20110207_155340_000000443099_00184_46750_7790.N1	07-FEB-2011 15:53:40	Dark	44.000	99	Del Cen	2.5750	26000.	88	46750	No
163	GOM_NL__2PRFIN20110207_155703_000000493099_00184_46750_7791.N1	07-FEB-2011 15:57:03	Dark	48.500	113	Mu Vel	2.6920	5000.0	97	46750	No
164	GOM_NL__2PRFIN20110207_161127_000000533099_00184_46750_7792.N1	07-FEB-2011 16:11:27	Straylight	53.000	48	30Alp Hya	1.9770	4100.0	106	46750	No
165	GOM_NL__2PRFIN20110207_162212_000000403099_00184_46750_7793.N1	07-FEB-2011 16:22:12	Bright	40.000	17	78Bet Gem	1.1610	4500.0	80	46750	No
166	GOM_NL__2PRFIN20110207_163516_000000363099_00184_46750_7794.N1	07-FEB-2011 16:35:16	Bright	36.000	82	48Bet UMa	2.3650	10600.	72	46750	No
167	GOM_NL__2PRFIN20110207_164209_000000413099_00184_46750_7795.N1	07-FEB-2011 16:42:09	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	46750	No
168	GOM_NL__2PRFIN20110207_164657_000000443099_00184_46750_7796.N1	07-FEB-2011 16:46:57	Bright	43.500	119	14Eta Dra	2.7270	4700.0	87	46750	No
169	GOM_NL__2PRFIN20110207_165024_000000403099_00184_46750_7797.N1	07-FEB-2011 16:50:24	Bright	39.500	130	23Bet Dra	2.7990	5800.0	79	46750	No
170	GOM_NL__2PRFIN20110207_165719_000000603099_00184_46750_7798.N1	07-FEB-2011 16:57:19	Bright	60.000	133	40Zet Her	2.8070	6000.0	120	46750	No
171	GOM_NL__2PRFIN20110207_170247_000000593099_00184_46750_7799.N1	07-FEB-2011 17:02:47	Bright	59.000	59	55Alp Oph	2.0800	8900.0	118	46750	No
172	GOM_NL__2PRFIN20110207_170458_000000533099_00184_46750_7800.N1	07-FEB-2011 17:04:58	Bright	53.000	126	60Bet Oph	2.7700	4250.0	106	46750	No
173	GOM_NL__2PRFIN20110207_171147_000000463099_00184_46750_7801.N1	07-FEB-2011 17:11:47	Twilight	46.000	86	35Eta Oph	2.4300	10200.	92	46750	No
174	GOM_NL__2PRFIN20110207_171625_000000643099_00184_46750_7802.N1	07-FEB-2011 17:16:25	Dark	64.000	16	21Alp Sco	1.0200	3000.0	128	46750	No
175	GOM_NL__2PRFIN20110207_171809_000000513099_00184_46750_7803.N1	07-FEB-2011 17:18:09	Dark	51.000	158	6Pi Sco	2.9060	28000.	102	46750	No
176	GOM_NL__2PRFIN20110207_172220_000000453099_00184_46750_7804.N1	07-FEB-2011 17:22:20	Dark	45.000	131	Gam Lup	2.8000	26000.	90	46750	No
177	GOM_NL__2PRFIN20110207_172816_000000423099_00185_46751_7810.N1	07-FEB-2011 17:28:16	Dark	42.000	10	Bet Cen	0.61000	28000.	84	46751	No
178	GOM_NL__2PRFIN20110207_173131_000000413099_00185_46751_7811.N1	07-FEB-2011 17:31:31	Dark	41.000	12	Alp1Cru	0.77500	30000.	82	46751	No
179	GOM_NL__2PRFIN20110207_173355_000000453099_00185_46751_7812.N1	07-FEB-2011 17:33:55	Dark	44.500	99	Del Cen	2.5750	26000.	89	46751	No
180	GOM_NL__2PRFIN20110207_173717_000000503099_00185_46751_7813.N1	07-FEB-2011 17:37:17	Dark	49.500	113	Mu Vel	2.6920	5000.0	99	46751	No
181	GOM_NL__2PRFIN20110207_175141_000000543099_00185_46751_7814.N1	07-FEB-2011 17:51:41	Straylight	54.000	48	30Alp Hya	1.9770	4100.0	108	46751	No
182	GOM_NL__2PRFIN20110207_180226_000000403099_00185_46751_7815.N1	07-FEB-2011 18:02:26	Bright	40.000	17	78Bet Gem	1.1610	4500.0	80	46751	No
183	GOM_NL__2PRFIN20110207_181530_000000363099_00185_46751_7816.N1	07-FEB-2011 18:15:30	Bright	36.000	82	48Bet UMa	2.3650	10600.	72	46751	No
184	GOM_NL__2PRFIN20110207_182223_000000433099_00185_46751_7817.N1	07-FEB-2011 18:22:23	Bright	43.000	60	7Bet UMi	2.0810	3950.0	86	46751	No
185	GOM_NL__2PRFIN20110207_182710_000000433099_00185_46751_7818.N1	07-FEB-2011 18:27:10	Bright	42.500	119	14Eta Dra	2.7270	4700.0	85	46751	No
186	GOM_NL__2PRFIN20110207_183038_000000403099_00185_46751_7819.N1	07-FEB-2011 18:30:38	Bright	39.500	130	23Bet Dra	2.7990	5800.0	79	46751	No
187	GOM_NL__2PRFIN20110207_183733_000000483099_00185_46751_7820.N1	07-FEB-2011 18:37:33	Bright	48.000	133	40Zet Her	2.8070	6000.0	96	46751	No
188	GOM_NL__2PRFIN20110207_184302_000000593099_00185_46751_7821.N1	07-FEB-2011 18:43:02	Bright	59.000	59	55Alp Oph	2.0800	8900.0	118	46751	No
189	GOM_NL__2PRFIN20110207_184513_000000393099_00185_46751_7822.N1	07-FEB-2011 18:45:13	Bright	39.000	126	60Bet Oph	2.7700	4250.0	78	46751	No
190	GOM_NL__2PRFIN20110207_185202_000000503099_00185_46751_7823.N1	07-FEB-2011 18:52:02	Twilight	49.500	86	35Eta Oph	2.4300	10200.	99	46751	No
191	GOM_NL__2PRFIN20110207_185640_000000533099_00185_46751_7824.N1	07-FEB-2011 18:56:40	Dark	52.500	16	21Alp Sco	1.0200	3000.0	105	46751	No
192	GOM_NL__2PRFIN20110207_185825_000000503099_00185_46751_7825.N1	07-FEB-2011 18:58:25	Dark	50.000	158	6Pi Sco	2.9060	28000.	100	46751	No
193	GOM_NL__2PRFIN20110207_190235_000000443099_00185_46751_7826.N1	07-FEB-2011 19:02:35	Dark	44.000	131	Gam Lup	2.8000	26000.	88	46751	No
194	GOM_NL__2PRFIN20110207_190830_000000433099_00186_46752_7867.N1	07-FEB-2011 19:08:30	Dark	43.000	10	Bet Cen	0.61000	28000.	86	46752	No
195	GOM_NL__2PRFIN20110207_191146_000000423099_00186_46752_7868.N1	07-FEB-2011 19:11:46	Dark	41.500	12	Alp1Cru	0.77500	30000.	83	46752	No
196	GOM_NL__2PRFIN20110207_191409_000000463099_00186_46752_7869.N1	07-FEB-2011 19:14:09	Dark	46.000	99	Del Cen	2.5750	26000.	92	46752	No
197	GOM_NL__2PRFIN20110207_191732_000000423099_00186_46752_7870.N1	07-FEB-2011 19:17:32	Dark	41.500	113	Mu Vel	2.6920	5000.0	83	46752	No
198	GOM_NL__2PRFIN20110207_193155_000000573099_00186_46752_7871.N1	07-FEB-2011 19:31:55	Straylight	56.500	48	30Alp Hya	1.9770	4100.0	113	46752	No
199	GOM_NL__2PRFIN20110207_194240_000000393099_00186_46752_7872.N1	07-FEB-2011 19:42:40	Bright	38.500	17	78Bet Gem	1.1610	4500.0	77	46752	No
200	GOM_NL__2PRFIN20110207_195543_000000393099_00186_46752_7873.N1	07-FEB-2011 19:55:43	Bright	39.000	82	48Bet UMa	2.3650	10600.	78	46752	No
201	GOM_NL__2PRFIN20110207_200236_000000433099_00186_46752_7874.N1	07-FEB-2011 20:02:36	Bright	42.500	60	7Bet UMi	2.0810	3950.0	85	46752	No
202	GOM_NL__2PRFIN20110207_200724_000000403099_00186_46752_7875.N1	07-FEB-2011 20:07:24	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	46752	No
203	GOM_NL__2PRFIN20110207_201051_000000413099_00186_46752_7876.N1	07-FEB-2011 20:10:51	Bright	40.500	130	23Bet Dra	2.7990	5800.0	81	46752	No
204	GOM_NL__2PRFIN20110207_201748_000000473099_00186_46752_7877.N1	07-FEB-2011 20:17:48	Bright	47.000	133	40Zet Her	2.8070	6000.0	94	46752	No
205	GOM_NL__2PRFIN20110207_202316_000000493099_00186_46752_7878.N1	07-FEB-2011 20:23:16	Bright	48.500	59	55Alp Oph	2.0800	8900.0	97	46752	No
206	GOM_NL__2PRFIN20110207_202527_000000583099_00186_46752_7879.N1	07-FEB-2011 20:25:27	Bright	58.000	126	60Bet Oph	2.7700	4250.0	116	46752	No
207	GOM_NL__2PRFIN20110207_203216_000000493099_00186_46752_7880.N1	07-FEB-2011 20:32:16	Twilight	48.500	86	35Eta Oph	2.4300	10200.	97	46752	No
208	GOM_NL__2PRFIN20110207_203655_000000573099_00186_46752_7881.N1	07-FEB-2011 20:36:55	Dark	56.500	16	21Alp Sco	1.0200	3000.0	113	46752	No
209	GOM_NL__2PRFIN20110207_203840_000000493099_00186_46752_7882.N1	07-FEB-2011 20:38:40	Dark	48.500	158	6Pi Sco	2.9060	28000.	97	46752	No
210	GOM_NL__2PRFIN20110207_204250_000000473099_00186_46752_7883.N1	07-FEB-2011 20:42:50	Dark	47.000	131	Gam Lup	2.8000	26000.	94	46752	No
211	GOM_NL__2PRFIN20110207_204845_000000423099_00187_46753_7901.N1	07-FEB-2011 20:48:45	Dark	42.000	10	Bet Cen	0.61000	28000.	84	46753	No
212	GOM_NL__2PRFIN20110207_205201_000000413099_00187_46753_7902.N1	07-FEB-2011 20:52:01	Dark	41.000	12	Alp1Cru	0.77500	30000.	82	46753	No
213	GOM_NL__2PRFIN20110207_205424_000000463099_00187_46753_7903.N1	07-FEB-2011 20:54:24	Dark	45.500	99	Del Cen	2.5750	26000.	91	46753	No
214	GOM_NL__2PRFIN20110207_205746_000000513099_00187_46753_7904.N1	07-FEB-2011 20:57:46	Dark	50.500	113	Mu Vel	2.6920	5000.0	101	46753	No
215	GOM_NL__2PRFIN20110207_211209_000000583099_00187_46753_7905.N1	07-FEB-2011 21:12:09	Straylight	58.000	48	30Alp Hya	1.9770	4100.0	116	46753	No
216	GOM_NL__2PRFIN20110207_212254_000000393099_00187_46753_7906.N1	07-FEB-2011 21:22:54	Bright	39.000	17	78Bet Gem	1.1610	4500.0	78	46753	No
217	GOM_NL__2PRFIN20110207_213556_000000393099_00187_46753_7907.N1	07-FEB-2011 21:35:56	Bright	39.000	82	48Bet UMa	2.3650	10600.	78	46753	No
218	GOM_NL__2PRFIN20110207_214250_000000383099_00187_46753_7908.N1	07-FEB-2011 21:42:50	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	46753	No
219	GOM_NL__2PRFIN20110207_214738_000000423099_00187_46753_7909.N1	07-FEB-2011 21:47:38	Bright	42.000	119	14Eta Dra	2.7270	4700.0	84	46753	No

220	GOM_NL__2PRFIN20110207_215105_000000403099_00187_46753_7910.N1	07-FEB-2011 21:51:05	Bright	39.500	130	23Bet Dra	2.7990	5800.0	79	46753	No
221	GOM_NL__2PRFIN20110207_215801_000000473099_00187_46753_7911.N1	07-FEB-2011 21:58:01	Bright	46.500	133	40Zet Her	2.8070	6000.0	93	46753	No
222	GOM_NL__2PRFIN20110207_220330_000000403099_00187_46753_7912.N1	07-FEB-2011 22:03:30	Bright	39.500	59	55Alp Oph	2.0800	8900.0	79	46753	No
223	GOM_NL__2PRFIN20110207_220541_000000473099_00187_46753_7913.N1	07-FEB-2011 22:05:41	Bright	47.000	126	60Bet Oph	2.7700	4250.0	94	46753	No
224	GOM_NL__2PRFIN20110207_221231_000000483099_00187_46753_7914.N1	07-FEB-2011 22:12:31	Twilight	47.500	86	35Eta Oph	2.4300	10200.	95	46753	No
225	GOM_NL__2PRFIN20110207_221710_000000653099_00187_46753_7915.N1	07-FEB-2011 22:17:10	Dark	65.000	16	21Alp Sco	1.0200	3000.0	130	46753	No
226	GOM_NL__2PRFIN20110207_221855_000000493099_00187_46753_7916.N1	07-FEB-2011 22:18:55	Dark	49.000	158	6Pi Sco	2.9060	28000.	98	46753	No
227	GOM_NL__2PRFIN20110207_222304_000000453099_00187_46753_7917.N1	07-FEB-2011 22:23:04	Dark	45.000	131	Gam Lup	2.8000	26000.	90	46753	No
228	GOM_NL__2PRFIN20110207_222900_000000413099_00188_46754_7914.N1	07-FEB-2011 22:29:00	Dark	41.000	10	Bet Cen	0.61000	28000.	82	46754	No
229	GOM_NL__2PRFIN20110207_223215_000000503099_00188_46754_7915.N1	07-FEB-2011 22:32:15	Dark	49.500	12	Alp1Cru	0.77500	30000.	99	46754	No
230	GOM_NL__2PRFIN20110207_223439_000000463099_00188_46754_7916.N1	07-FEB-2011 22:34:39	Dark	45.500	99	Del Cen	2.5750	26000.	91	46754	No
231	GOM_NL__2PRFIN20110207_223801_000000473099_00188_46754_7917.N1	07-FEB-2011 22:38:01	Dark	46.500	113	Mu Vel	2.6920	5000.0	93	46754	No
232	GOM_NL__2PRFIN20110207_225223_000000523099_00188_46754_7918.N1	07-FEB-2011 22:52:23	Straylight	52.000	48	30Alp Hya	1.9770	4100.0	104	46754	No
233	GOM_NL__2PRFIN20110207_230308_000000403099_00188_46754_7919.N1	07-FEB-2011 23:03:08	Bright	39.500	17	78Bet Gem	1.1610	4500.0	79	46754	No
234	GOM_NL__2PRFIN20110207_231609_000000433099_00188_46754_7920.N1	07-FEB-2011 23:16:09	Bright	43.000	82	48Bet UMa	2.3650	10600.	86	46754	No
235	GOM_NL__2PRFIN20110207_232304_000000373099_00188_46754_7921.N1	07-FEB-2011 23:23:04	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	46754	No
236	GOM_NL__2PRFIN20110207_232752_000000433099_00188_46754_7922.N1	07-FEB-2011 23:27:52	Bright	42.500	119	14Eta Dra	2.7270	4700.0	85	46754	No
237	GOM_NL__2PRFIN20110207_233119_000000573099_00188_46754_7923.N1	07-FEB-2011 23:31:19	Bright	57.000	130	23Bet Dra	2.7990	5800.0	114	46754	No
238	GOM_NL__2PRFIN20110207_233816_000000503099_00188_46754_7924.N1	07-FEB-2011 23:38:16	Bright	49.500	133	40Zet Her	2.8070	6000.0	99	46754	No
239	GOM_NL__2PRFIN20110207_234345_000000413099_00188_46754_7925.N1	07-FEB-2011 23:43:45	Bright	40.500	59	55Alp Oph	2.0800	8900.0	81	46754	No
240	GOM_NL__2PRFIN20110207_234556_000000393099_00188_46754_7926.N1	07-FEB-2011 23:45:56	Bright	39.000	126	60Bet Oph	2.7700	4250.0	78	46754	No
241	GOM_NL__2PRFIN20110207_235246_000000473099_00188_46754_7927.N1	07-FEB-2011 23:52:46	Twilight	46.500	86	35Eta Oph	2.4300	10200.	93	46754	No
242	GOM_NL__2PRFIN20110207_235725_000000653099_00188_46754_7928.N1	07-FEB-2011 23:57:25	Dark	64.500	16	21Alp Sco	1.0200	3000.0	129	46754	No

3. Quality information per product

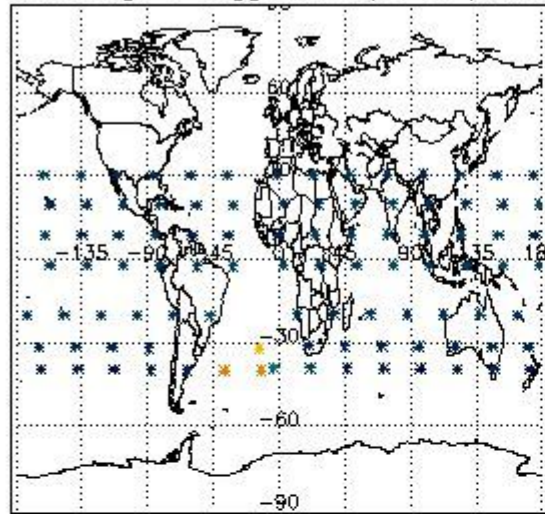
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

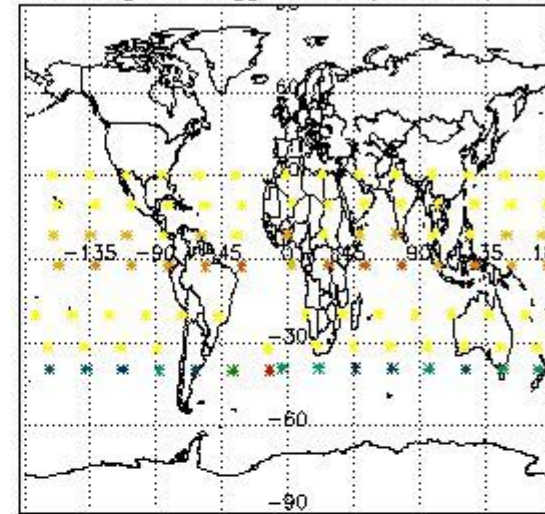


3.2 Plot quality information per product (world map)

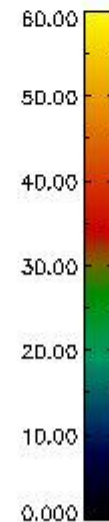
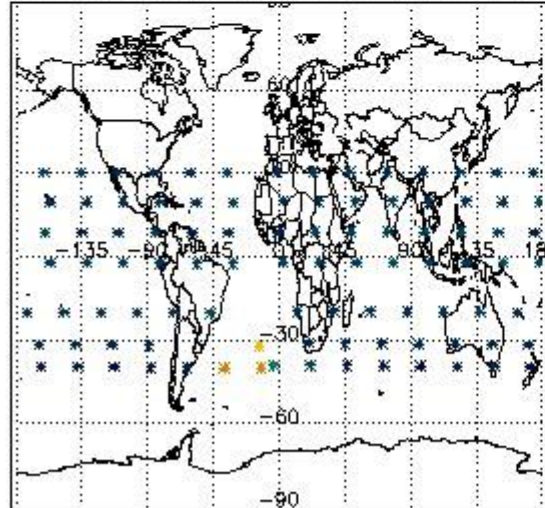
Percentage of flagged data per O3 profile



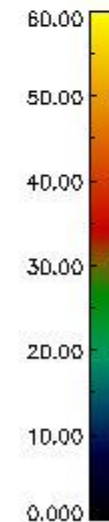
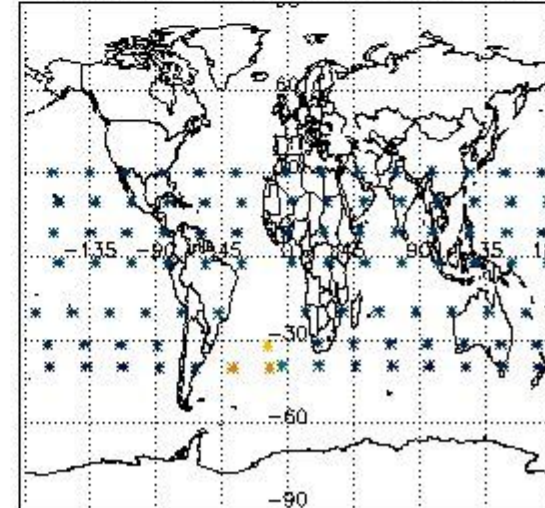
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

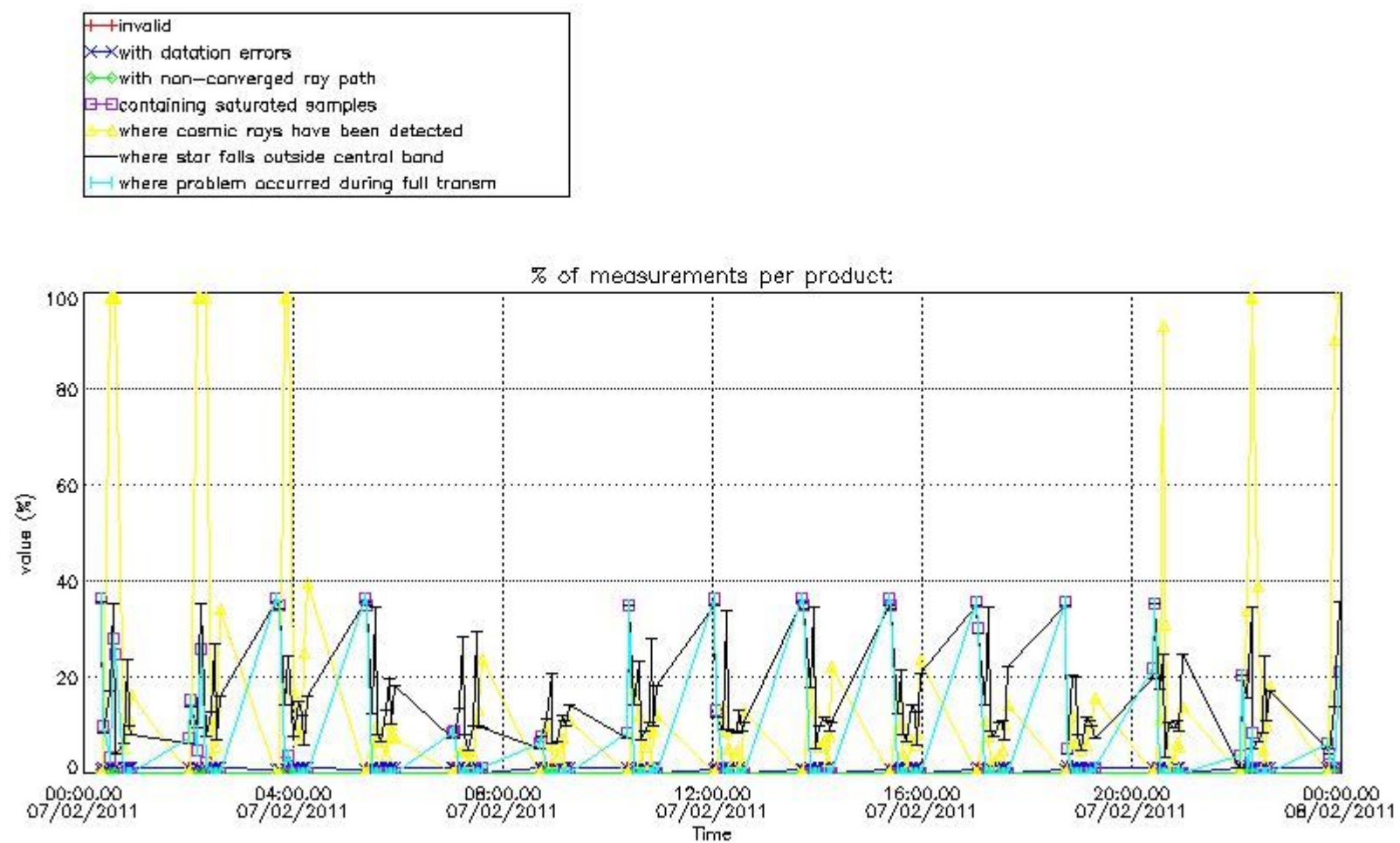


4. Level 1 quality information per product

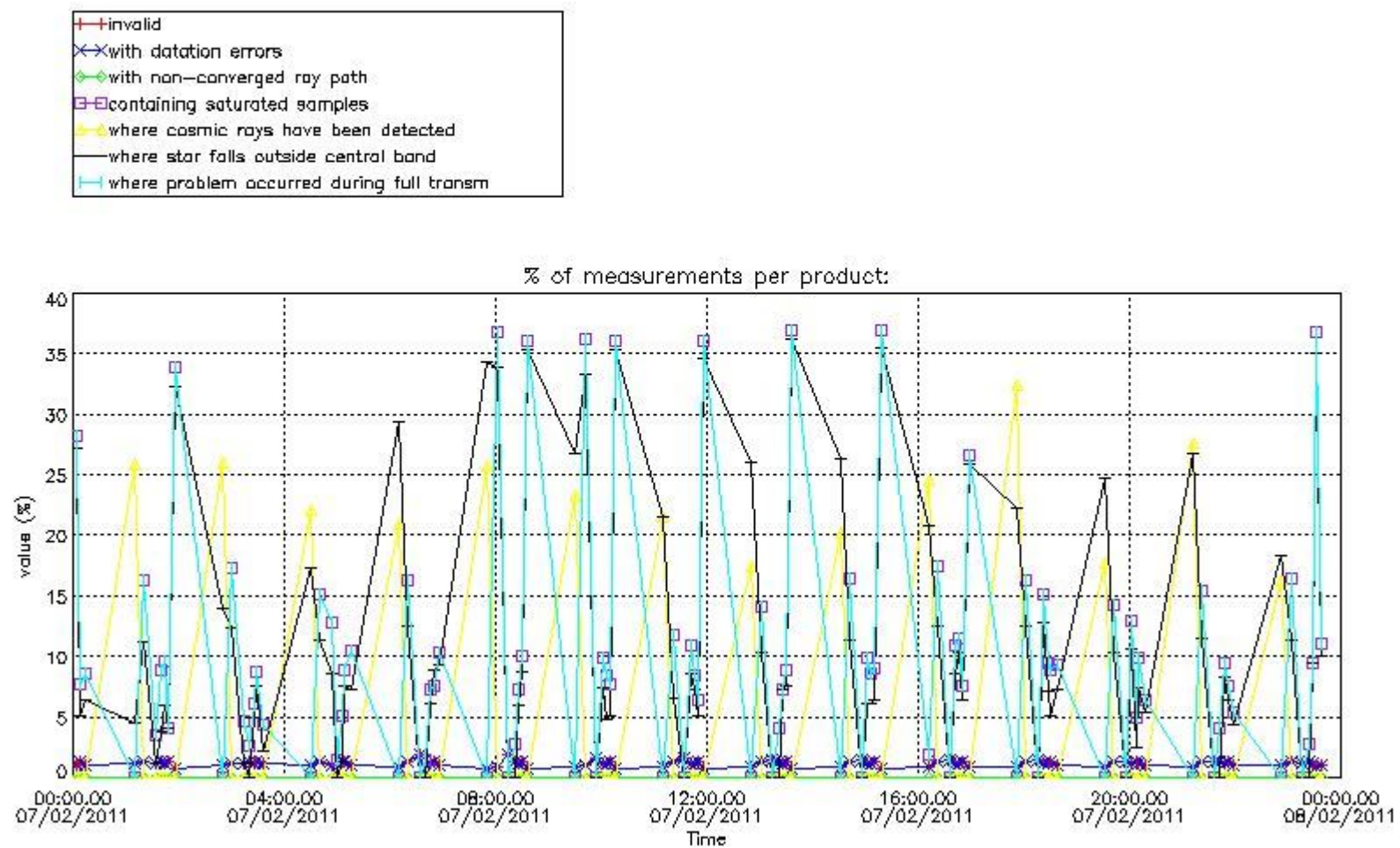
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

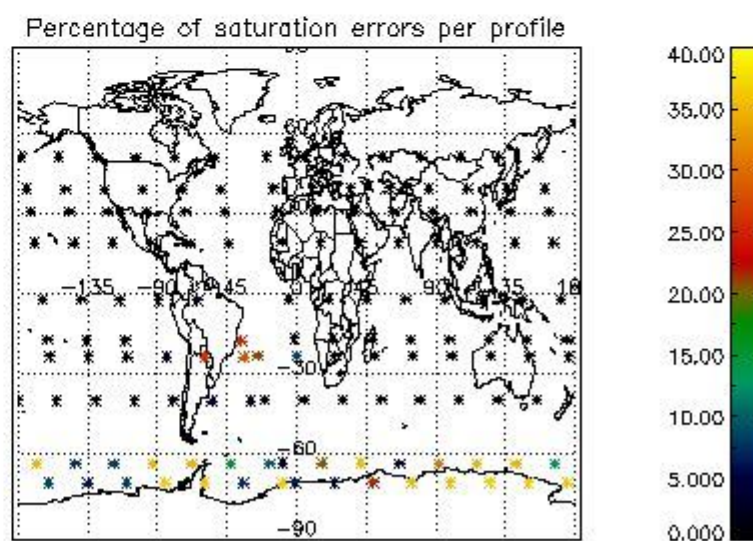
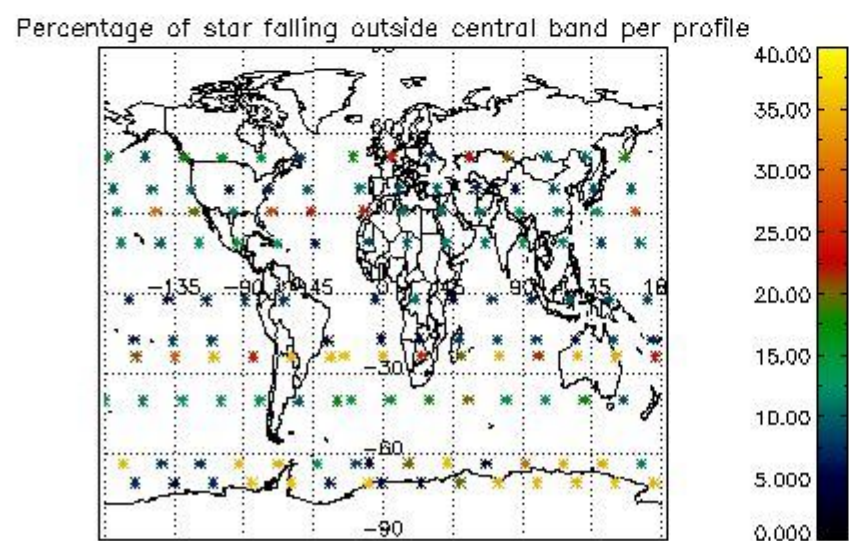
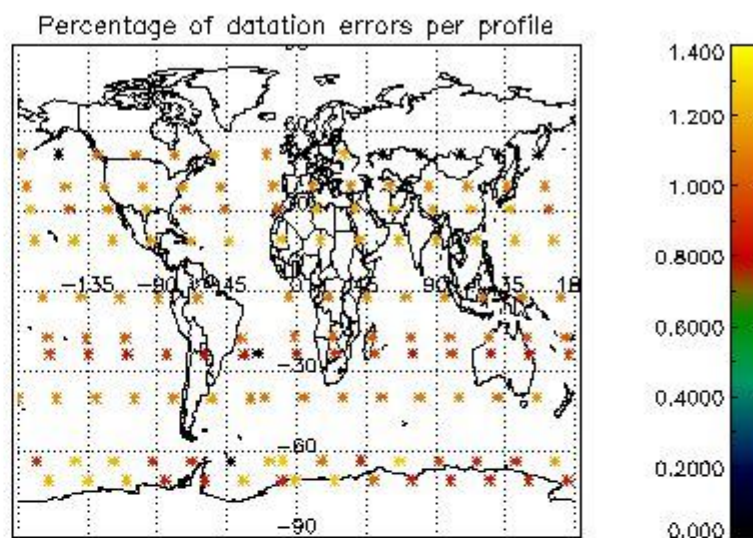
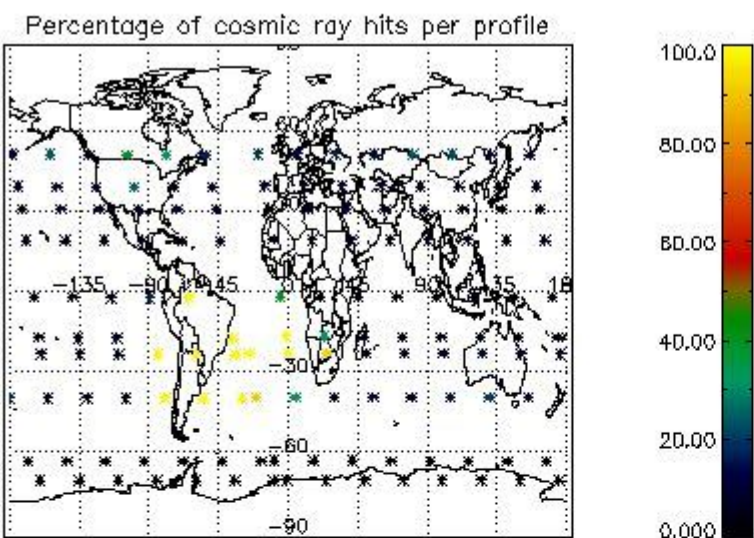


4.1.2 Plot level 1 quality information per product (time dependant): ENVISAT DESCENDING passes

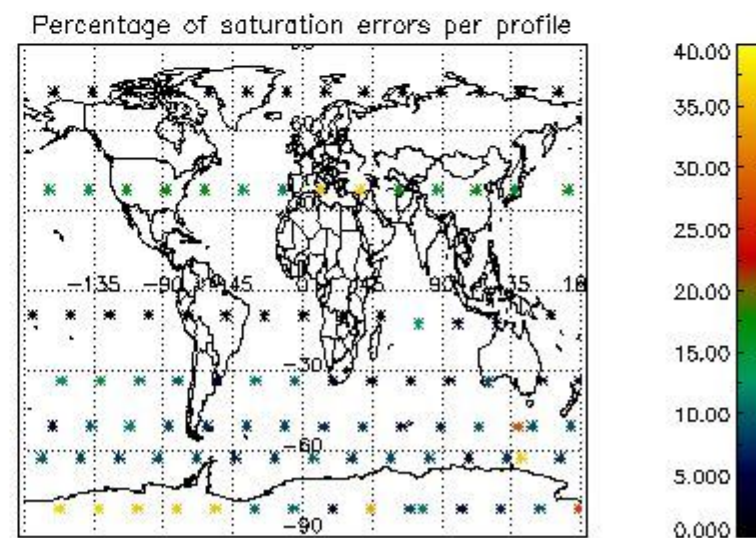
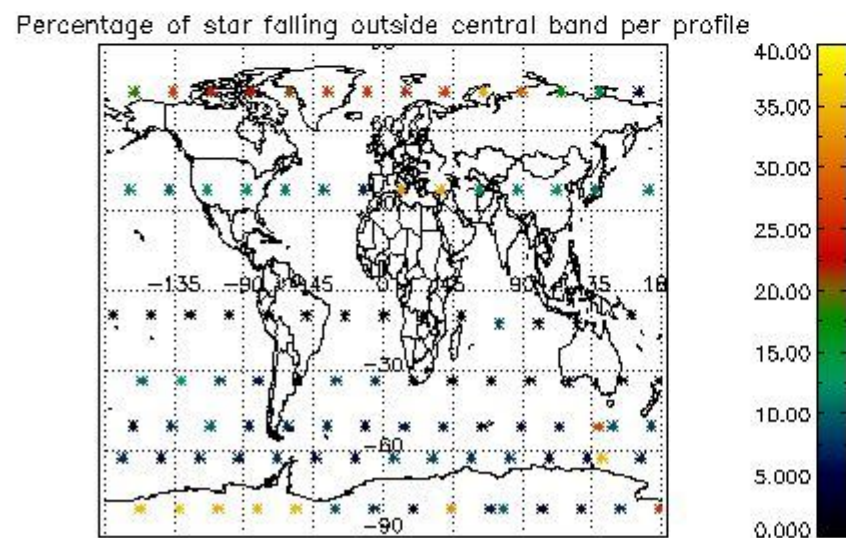
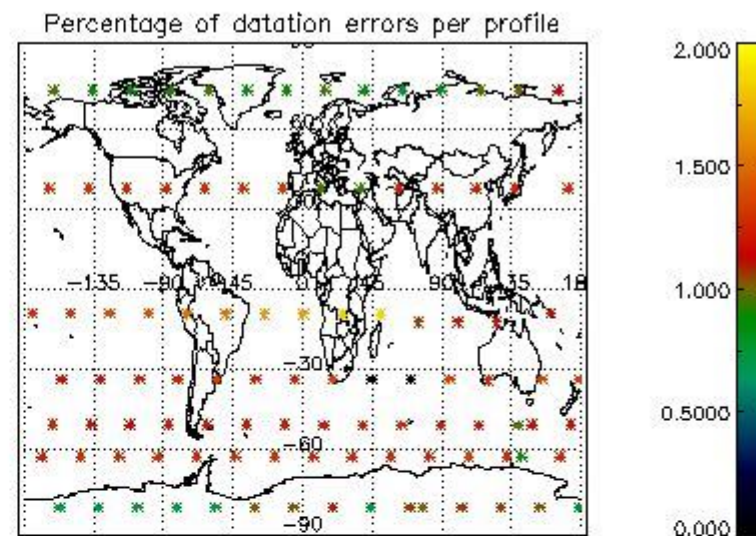
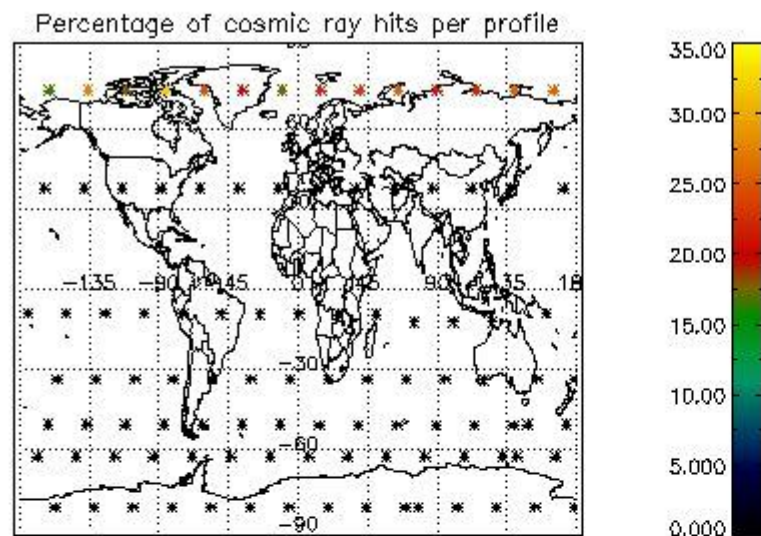


4.2 Plot quality information per product coming from level 1b processing (world map)

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

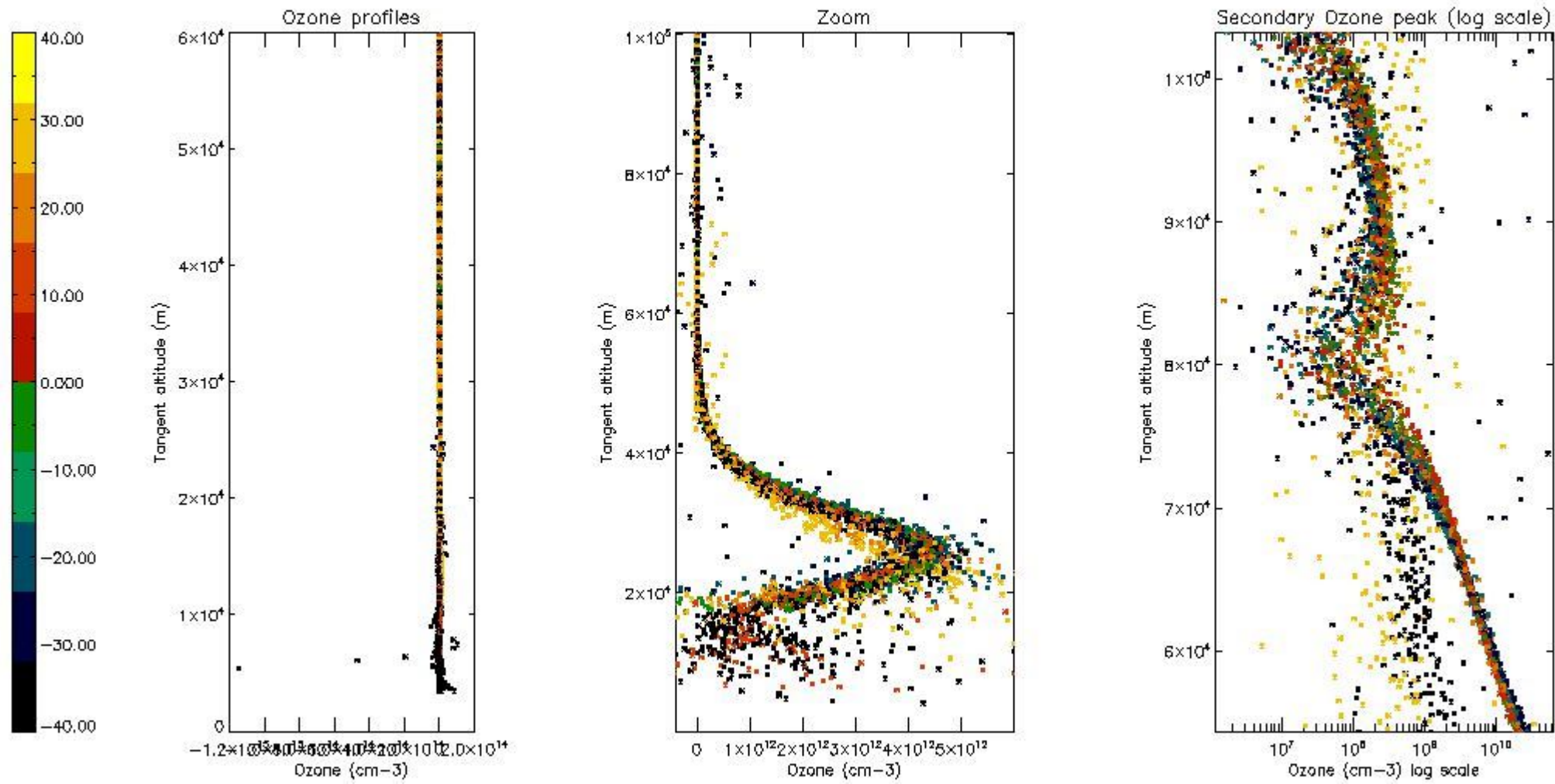
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	41
STD < 20	21

STD < 10	17
STD < 5	13

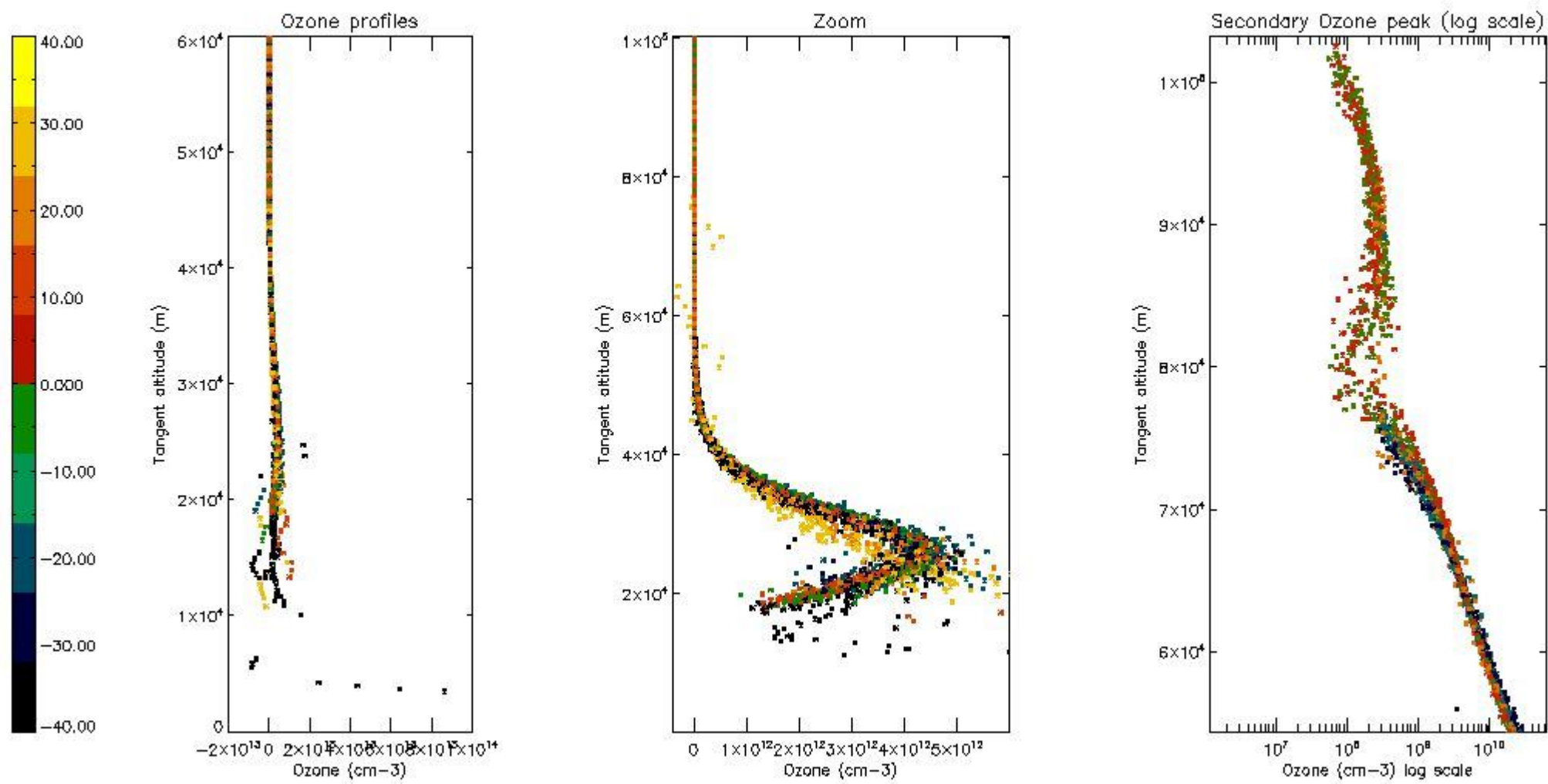
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



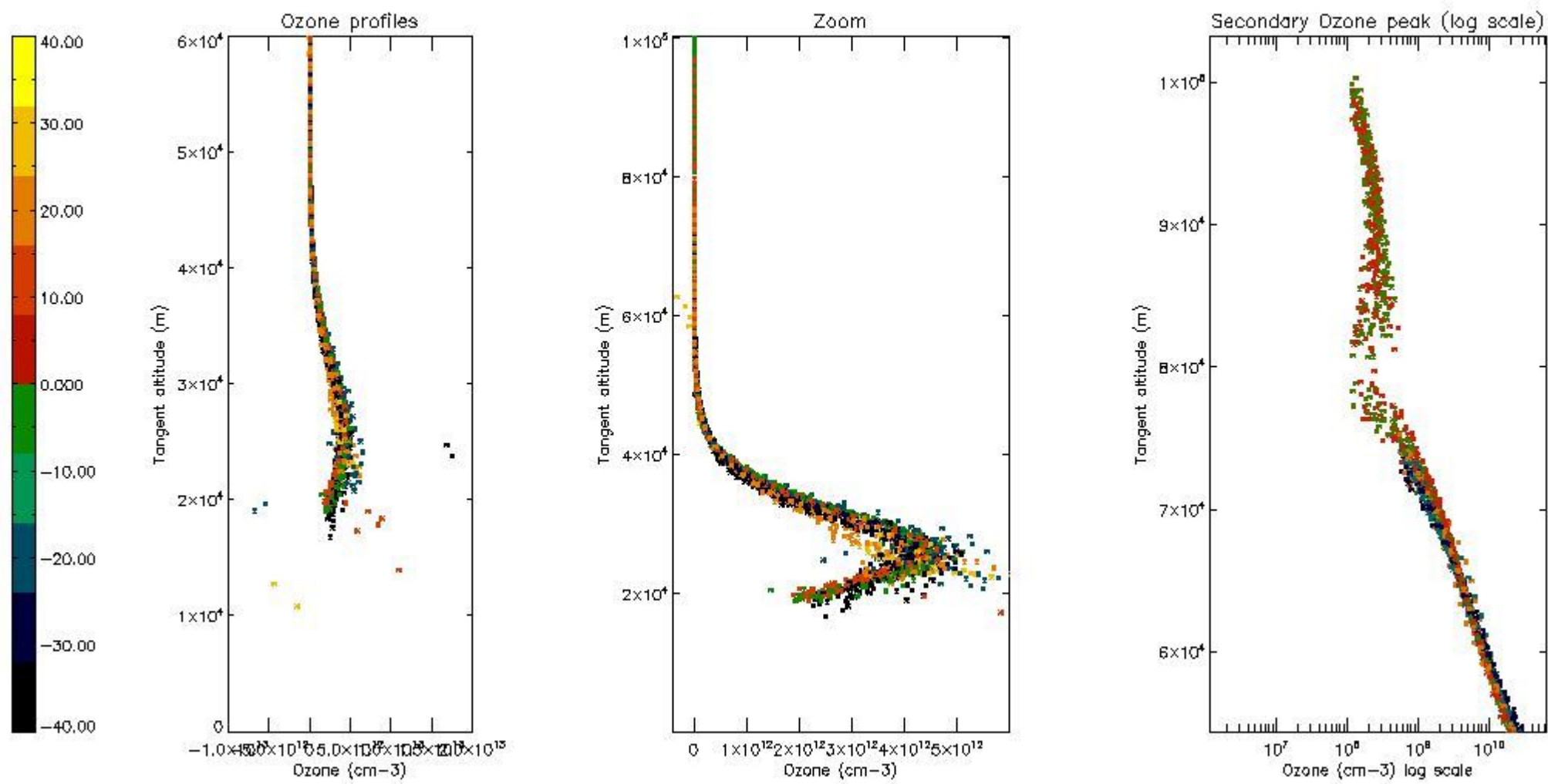
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



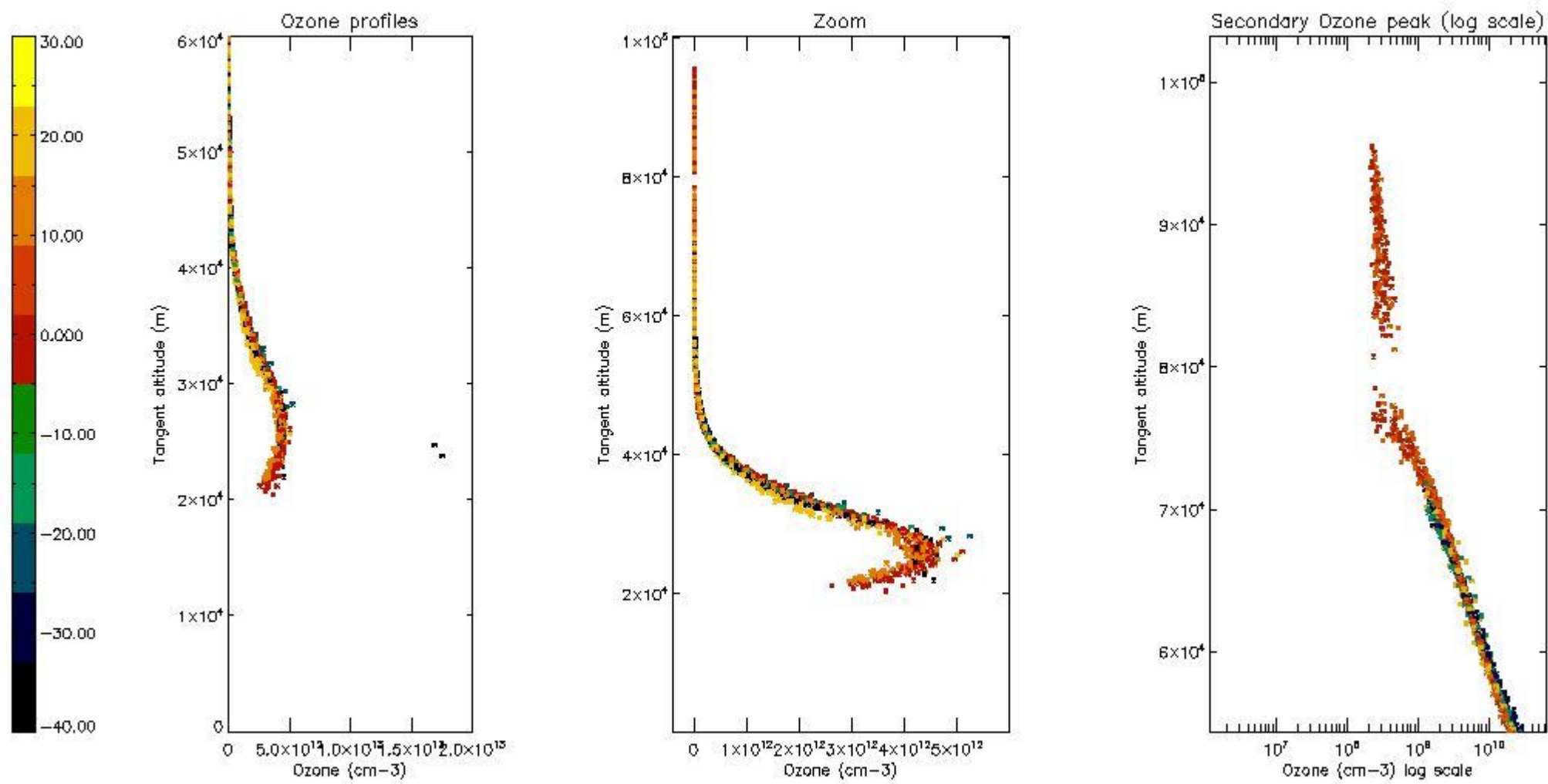
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



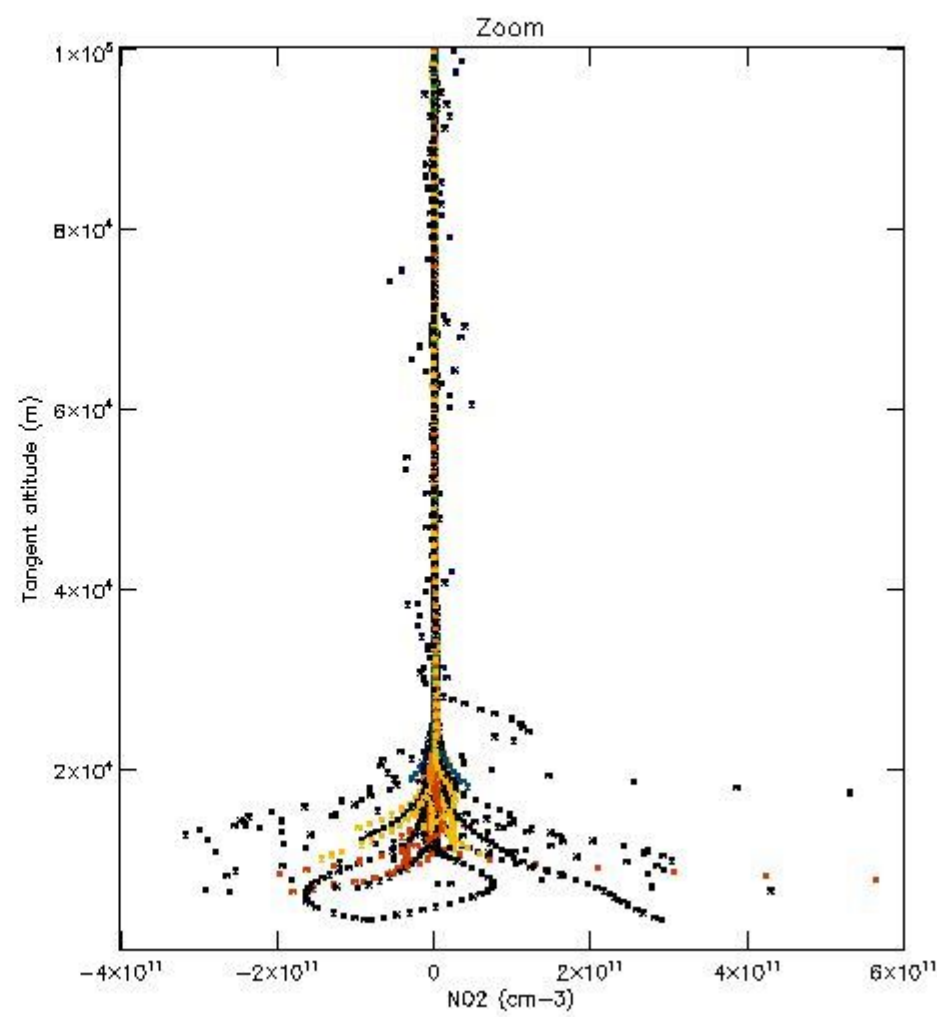
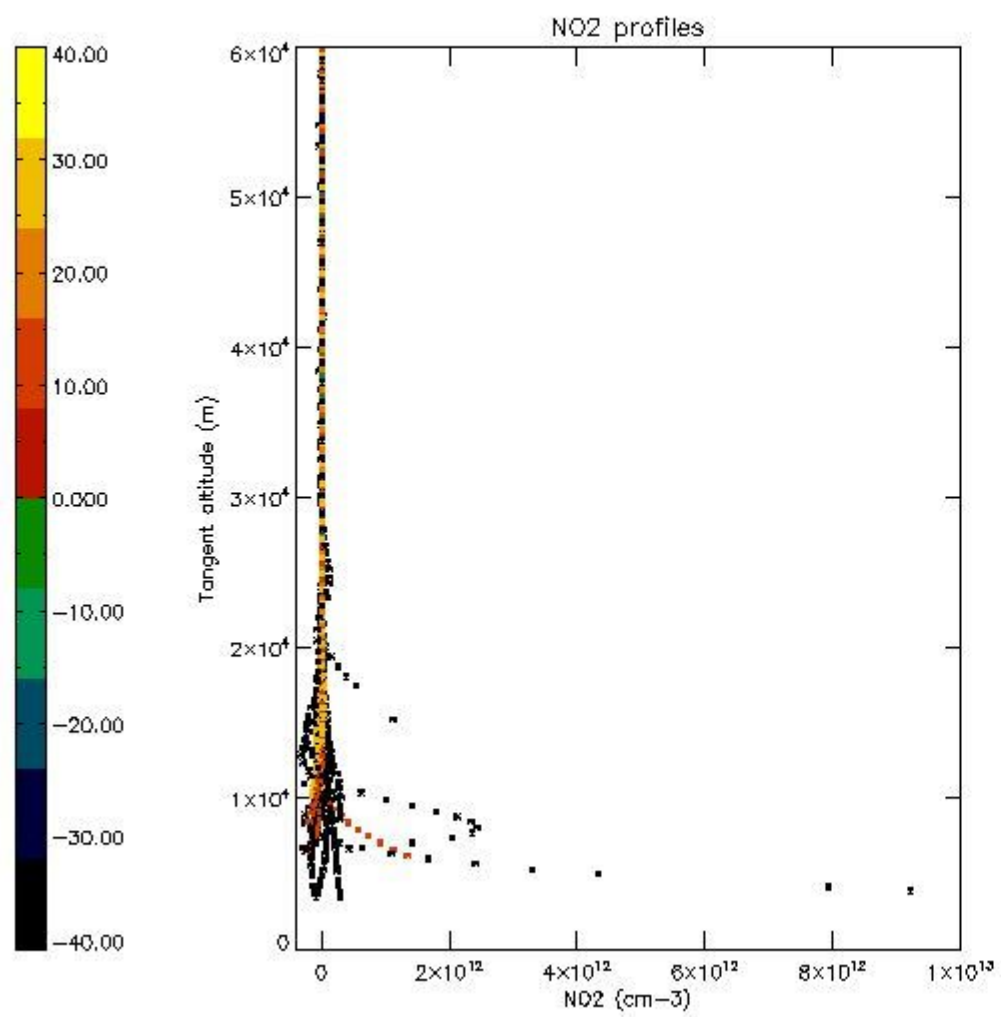
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



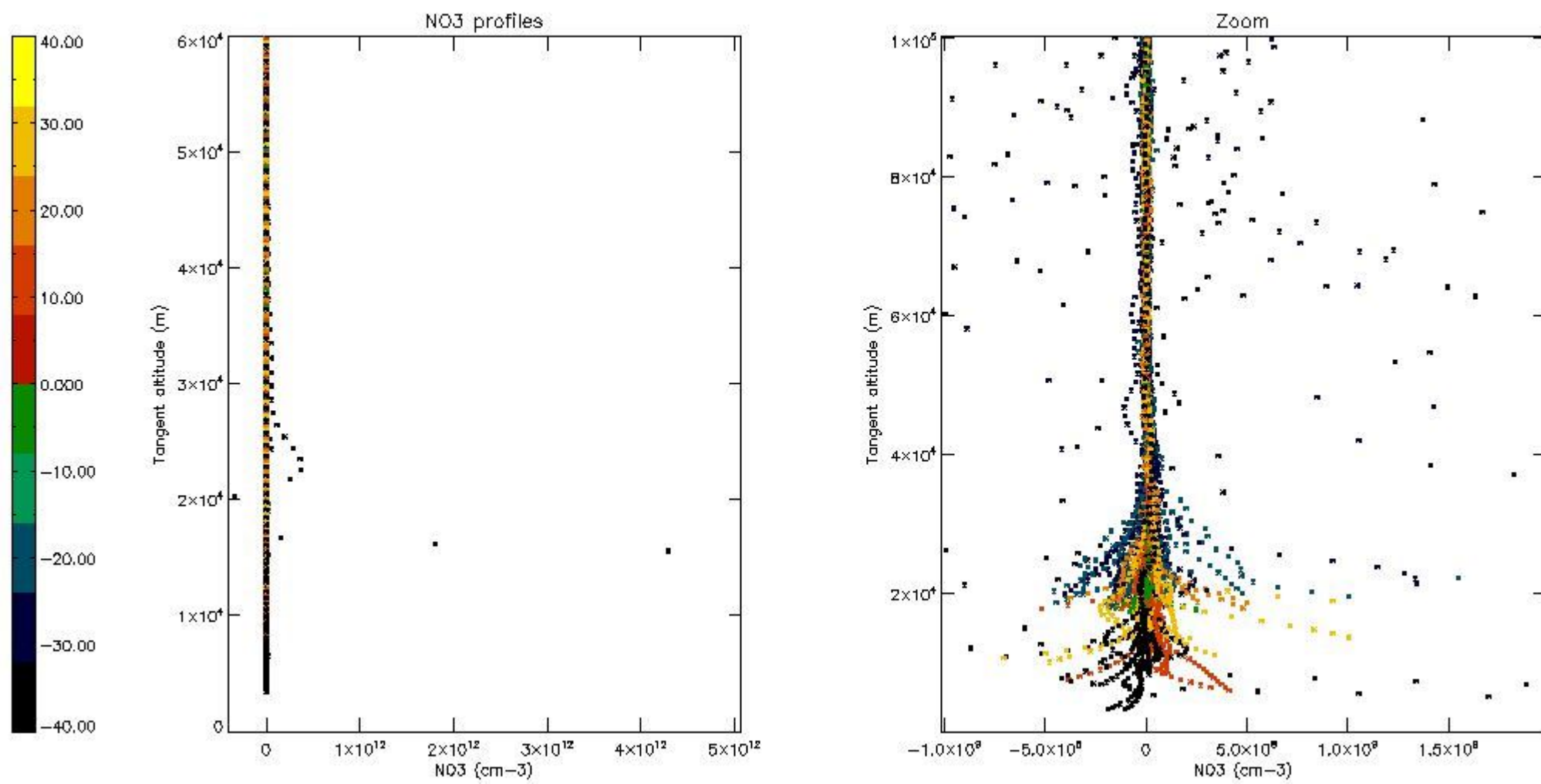
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



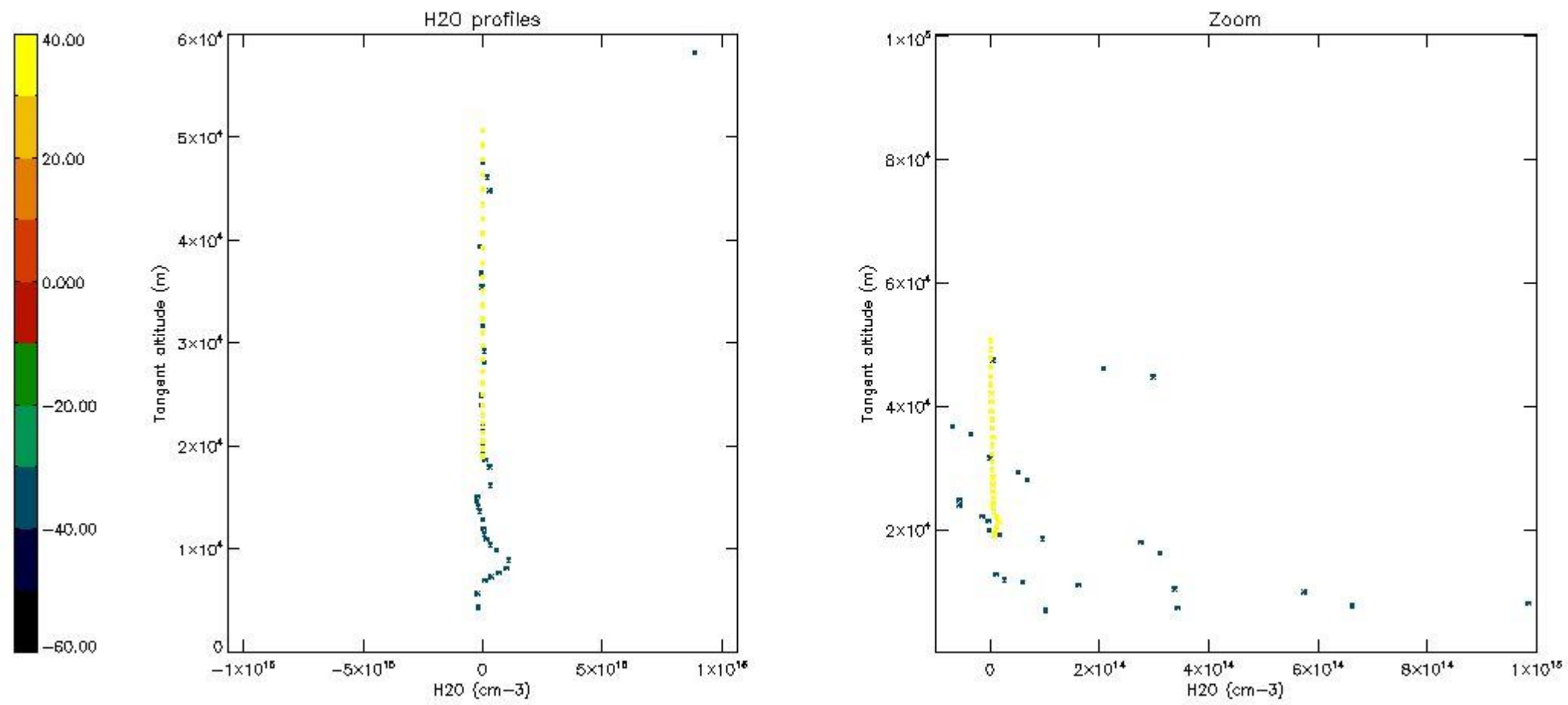
5.7 Plot NO3 profiles for all STD (dark without errors)

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)

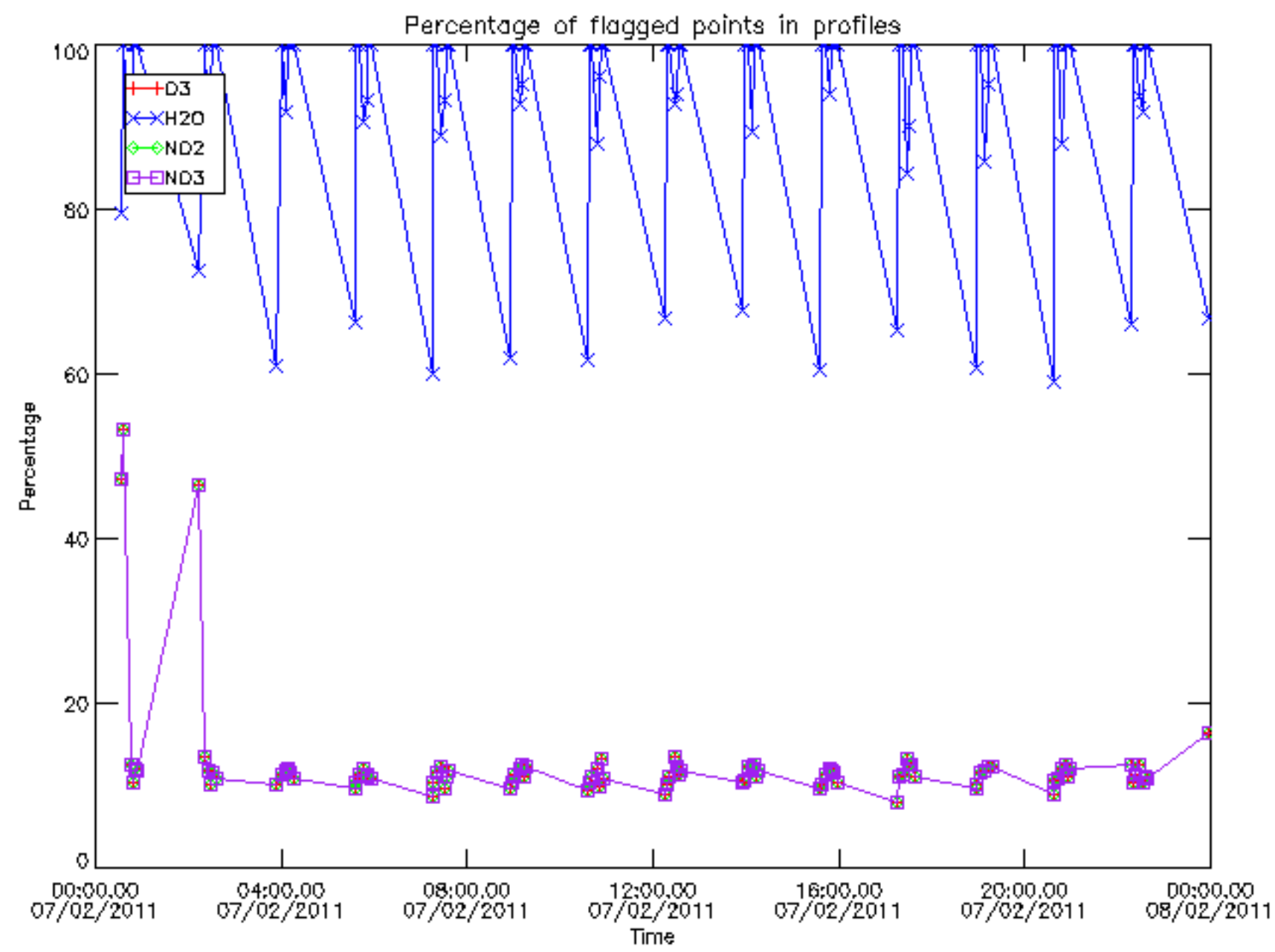
The colorbar represents the latitude.



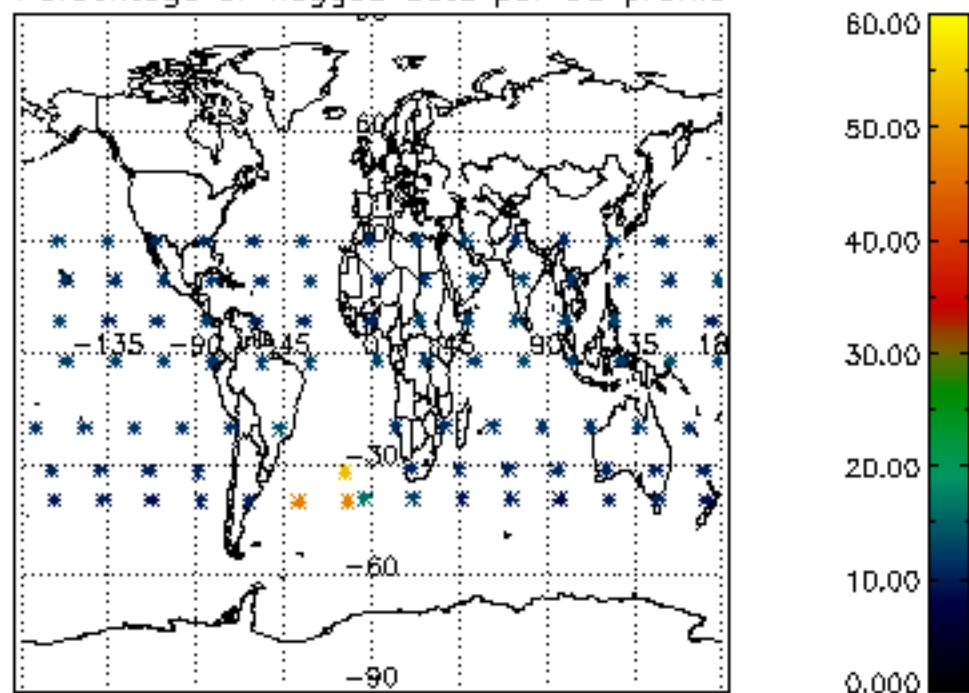
6. Auxiliary Data Files used for the production reported in section 2

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.

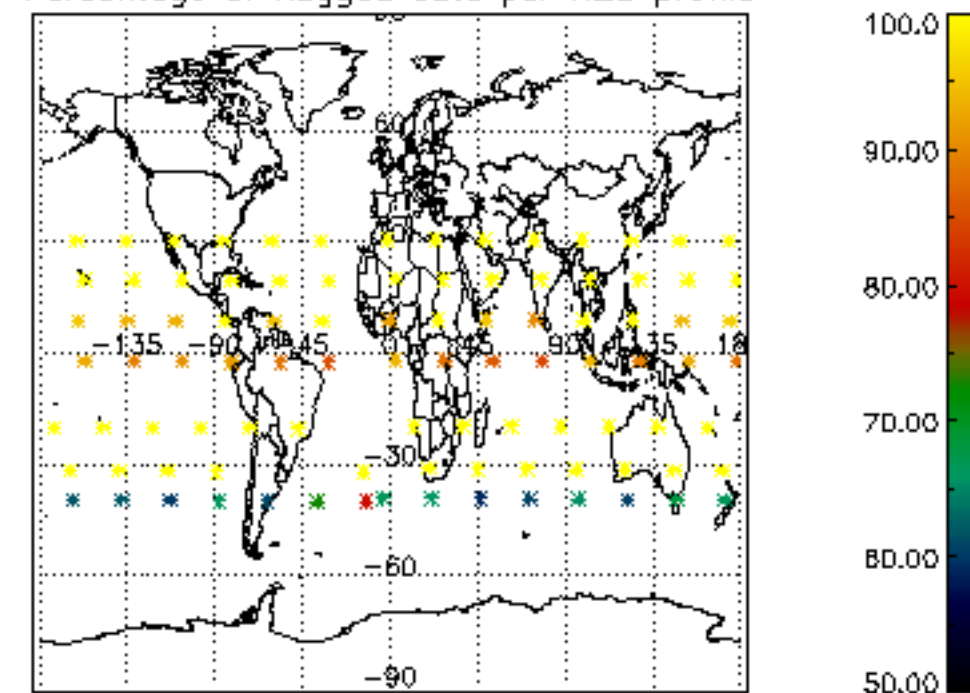
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	07-FEB-2011 00:04:39
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	07-FEB-2011 00:04:39
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	07-FEB-2011 00:04:39



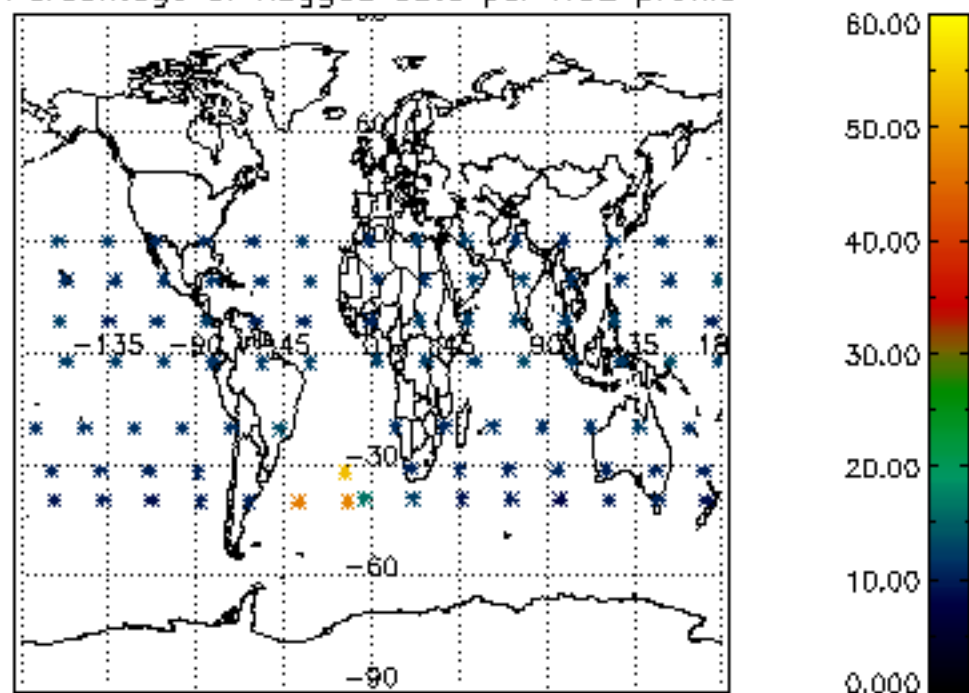
Percentage of flagged data per D3 profile



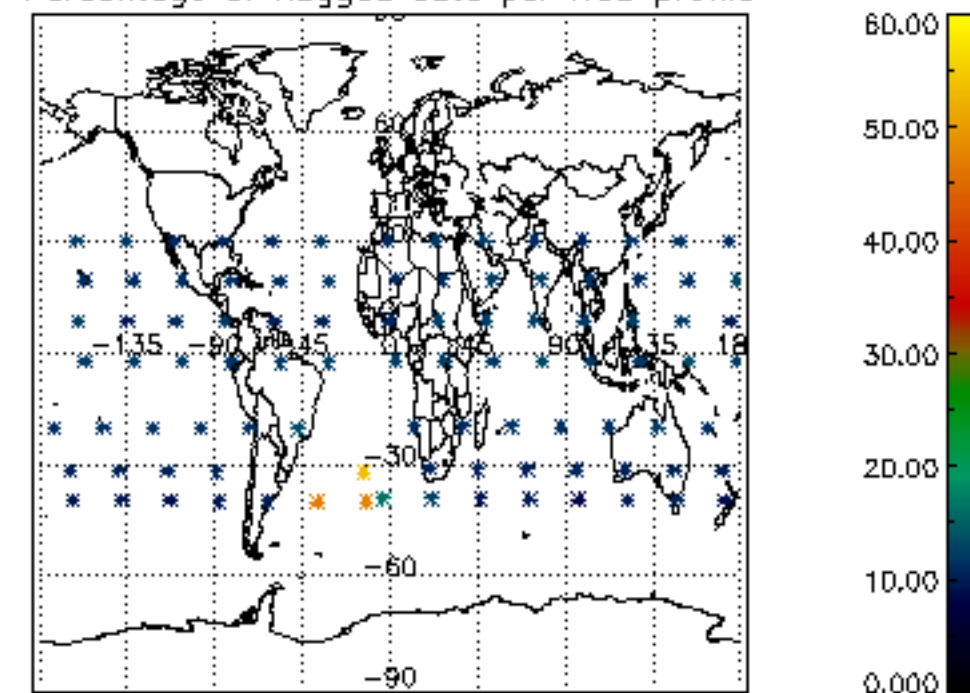
Percentage of flagged data per H2O profile

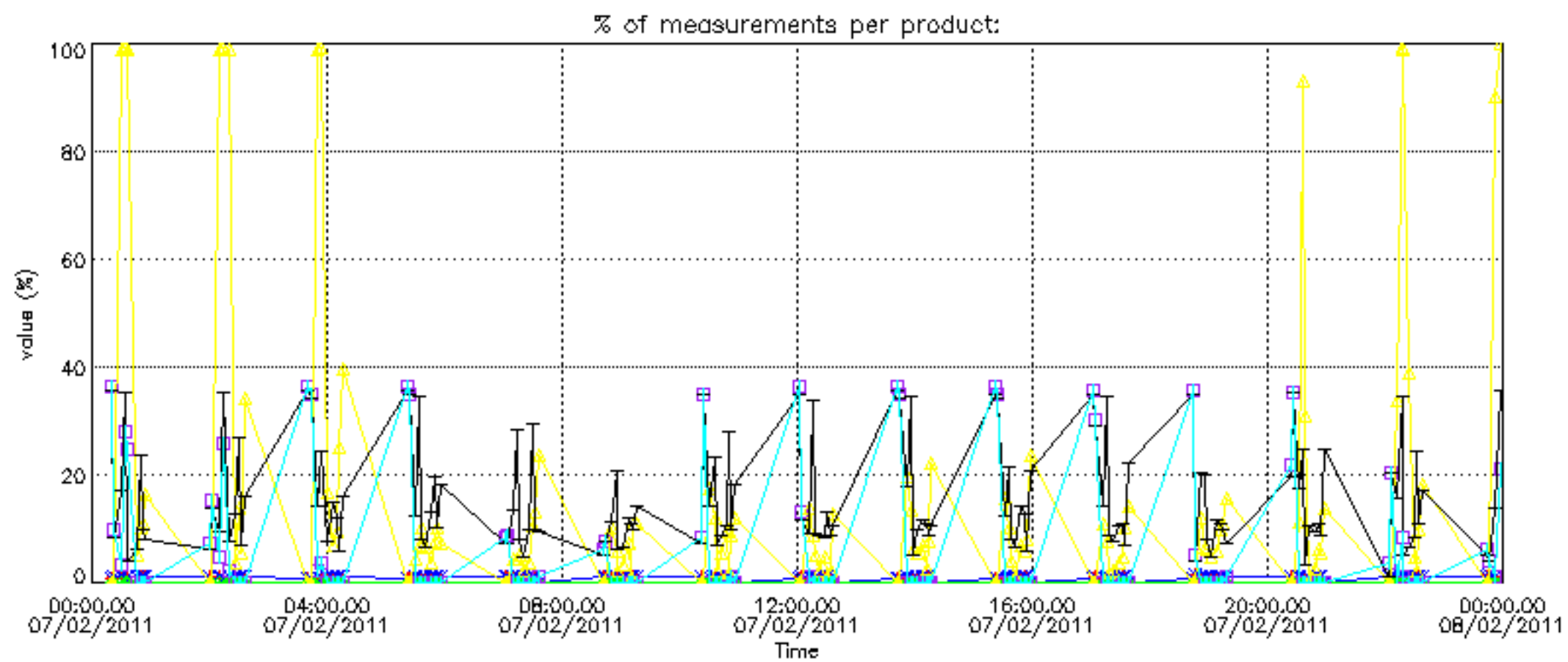
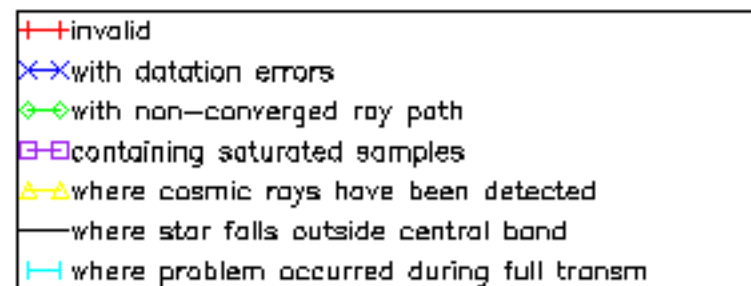


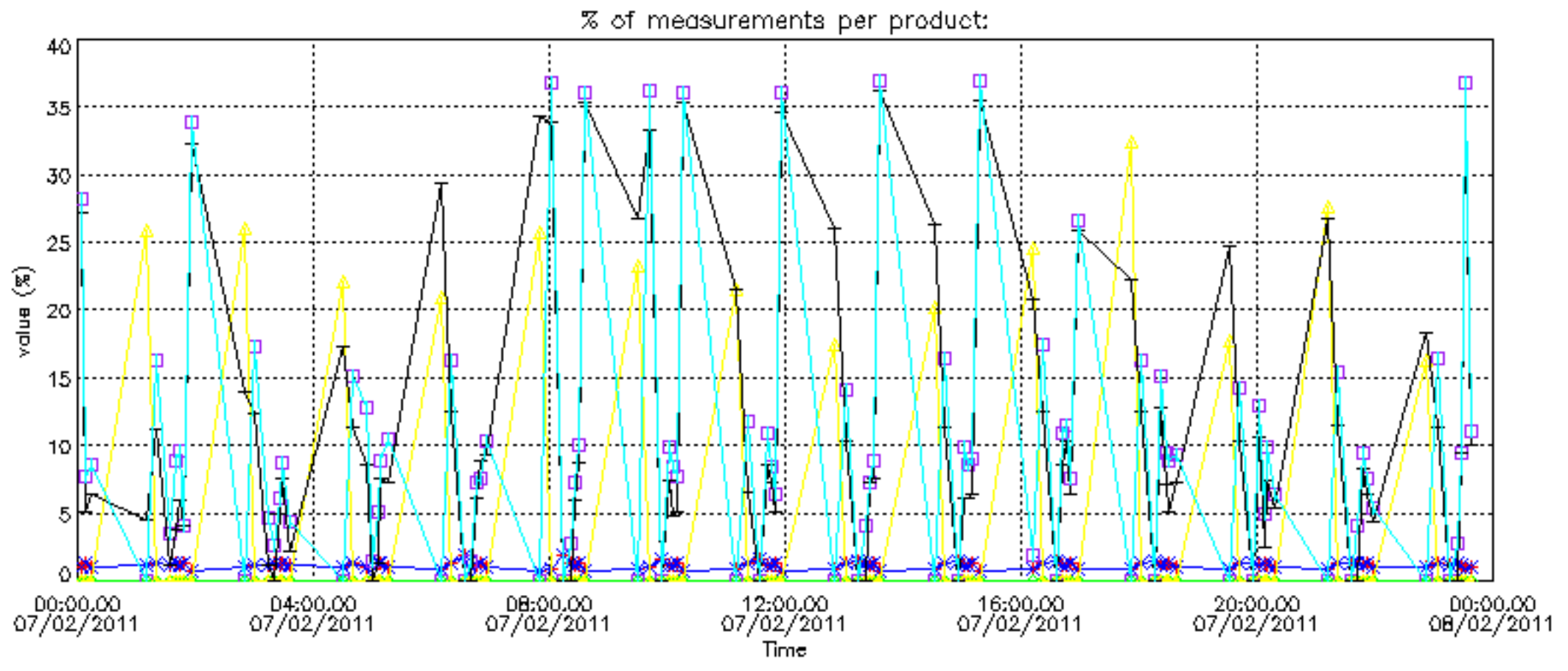
Percentage of flagged data per NO2 profile



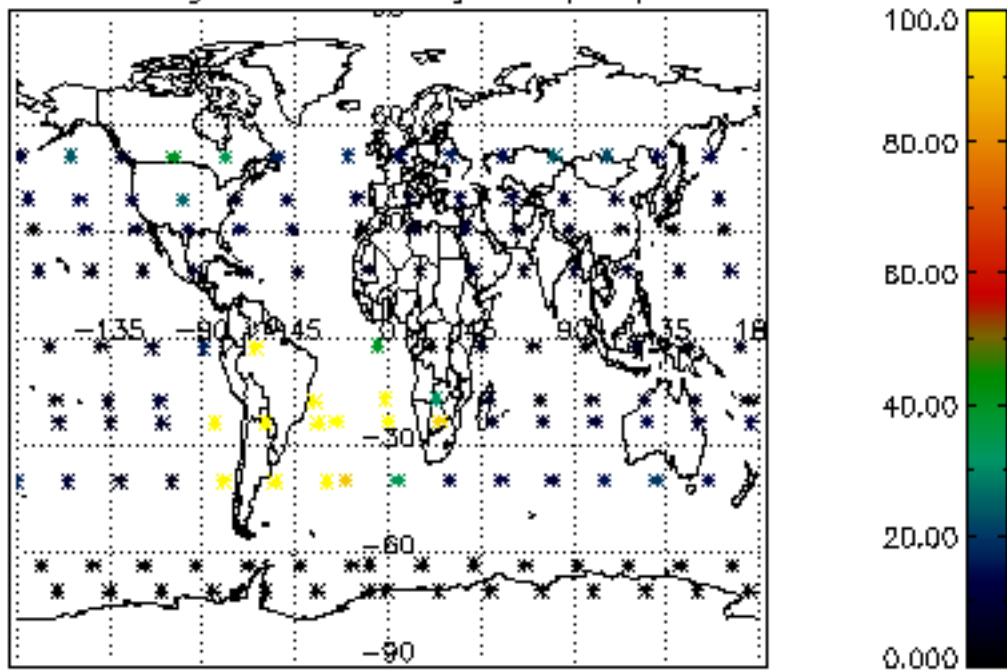
Percentage of flagged data per NO3 profile



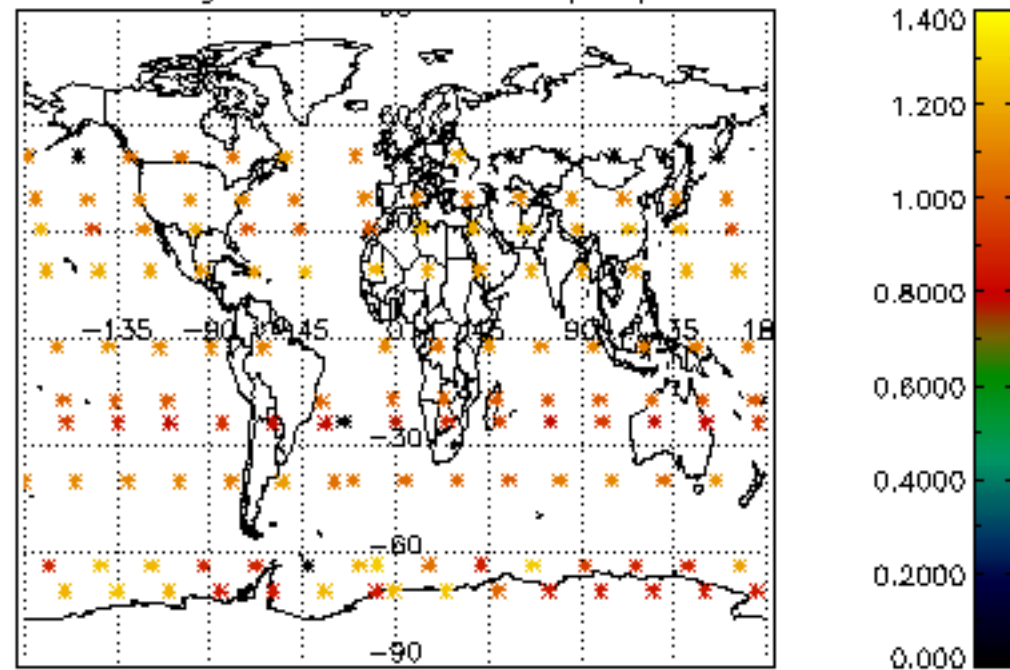




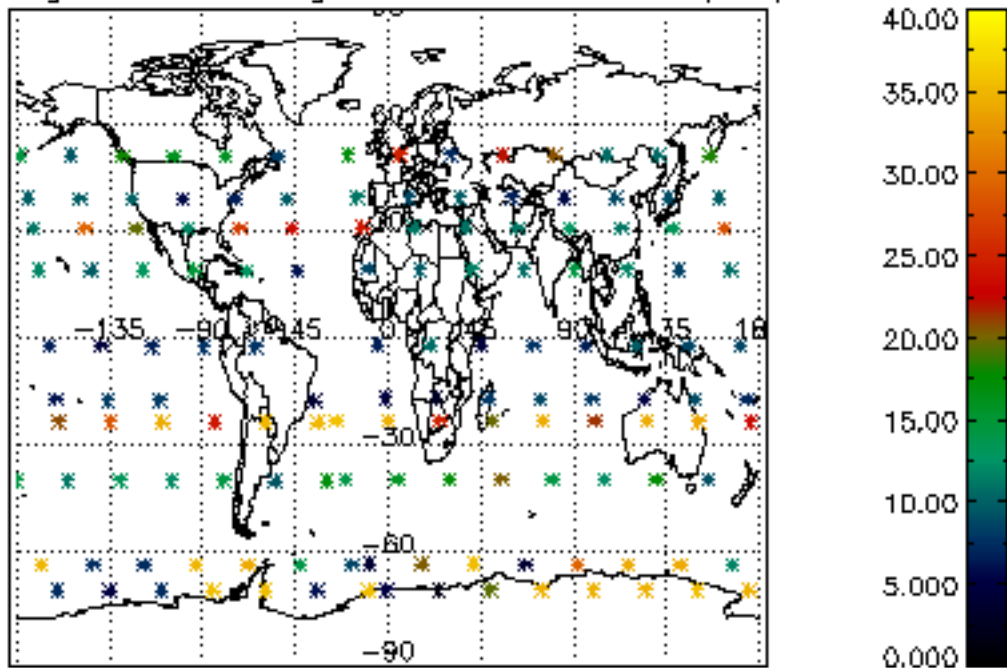
Percentage of cosmic ray hits per profile



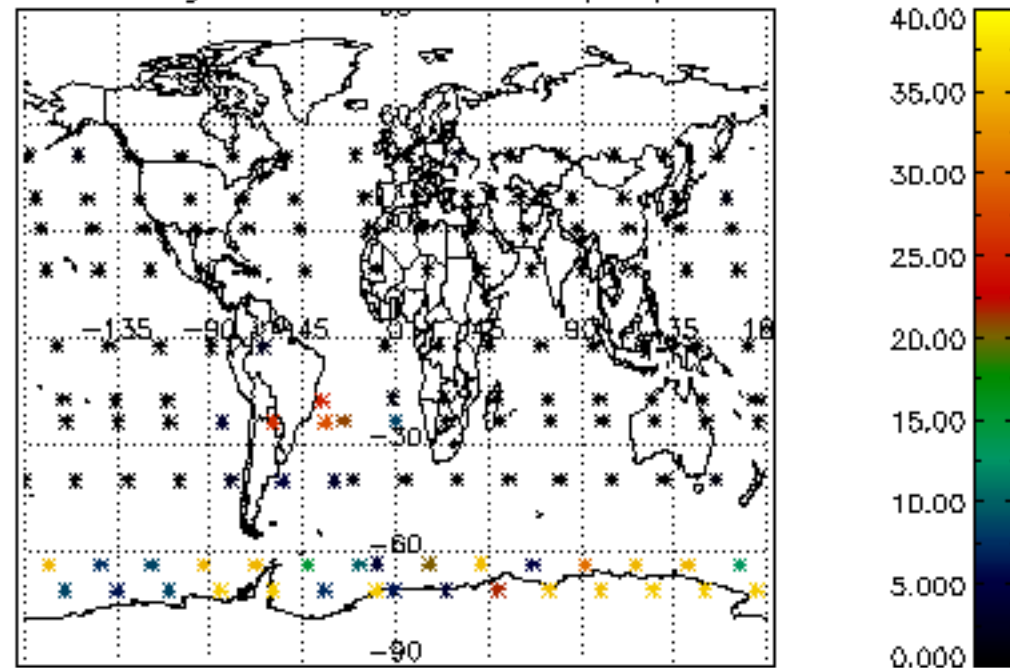
Percentage of datation errors per profile



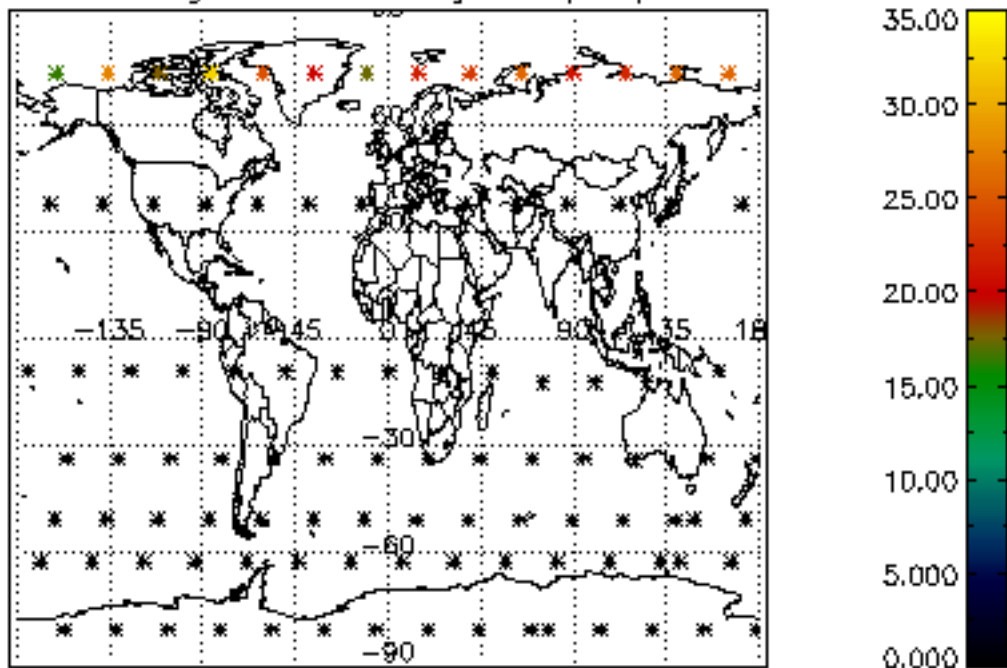
Percentage of star falling outside central band per profile



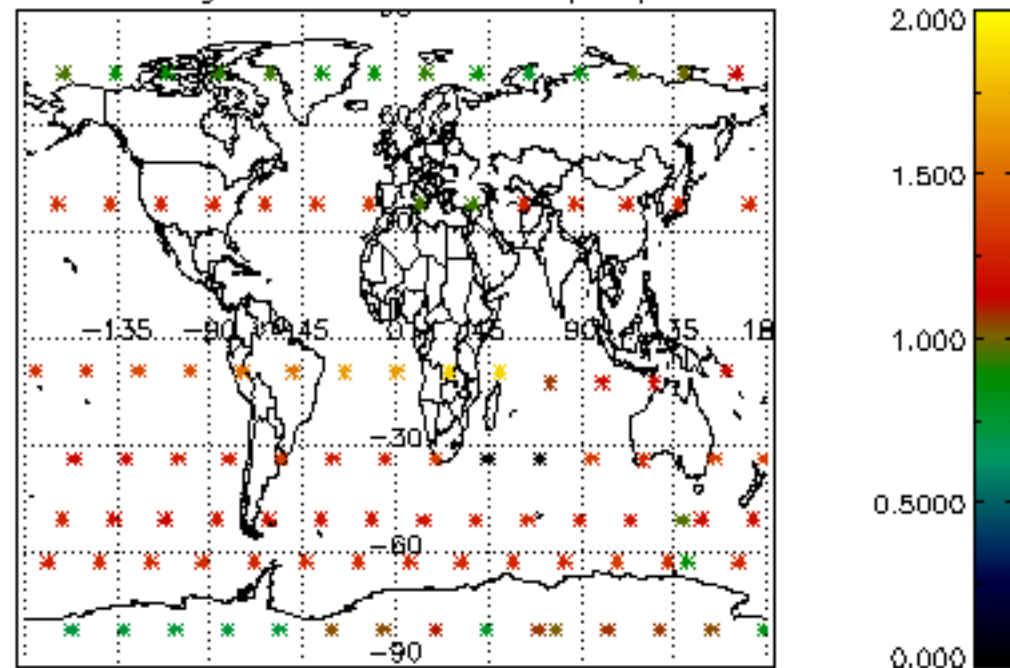
Percentage of saturation errors per profile



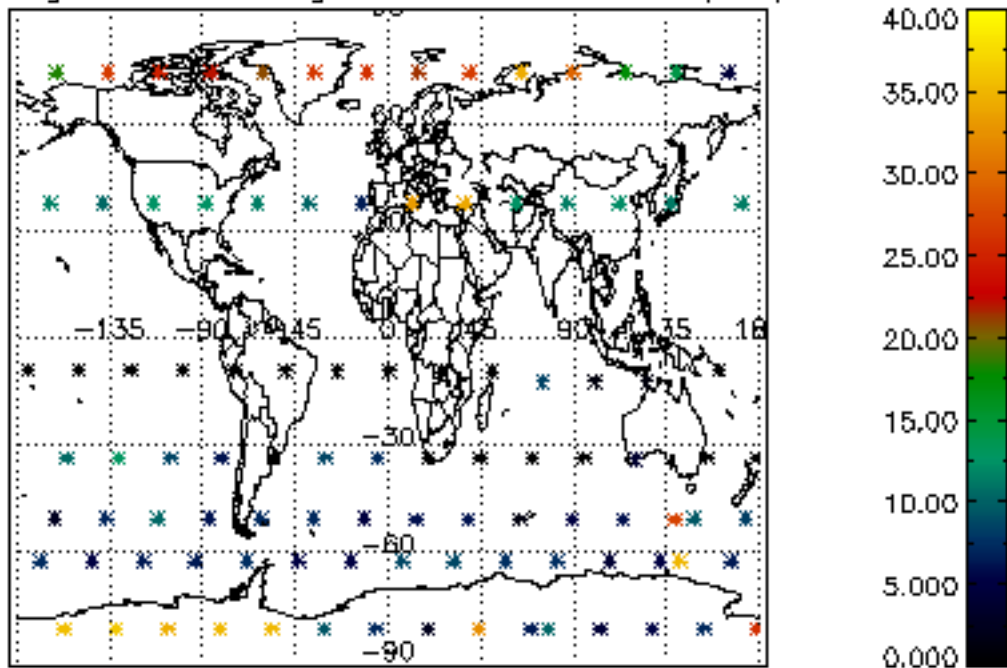
Percentage of cosmic ray hits per profile



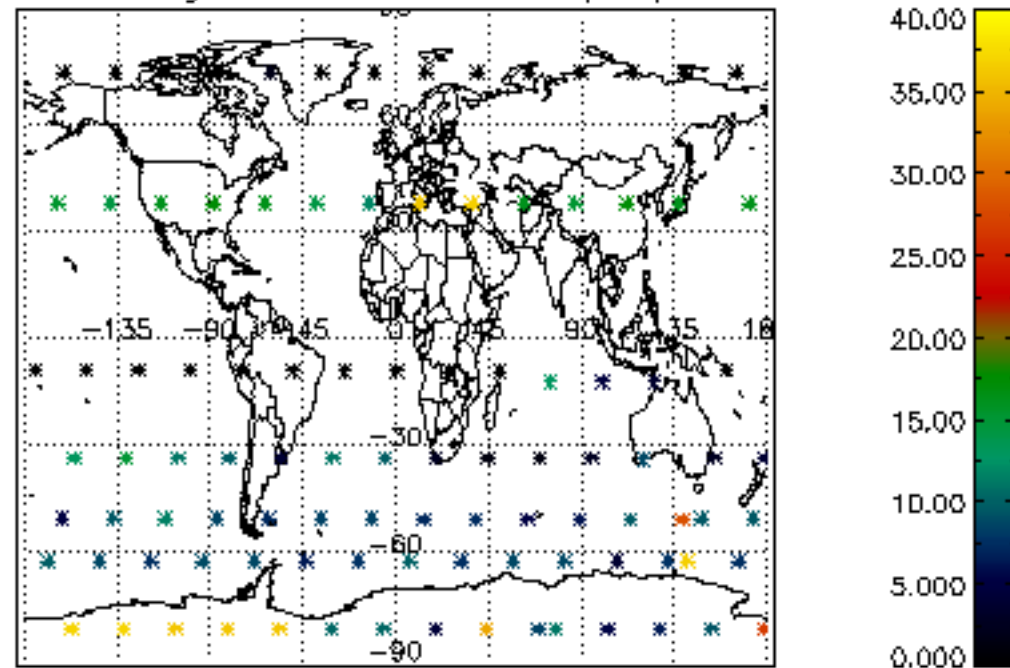
Percentage of datation errors per profile

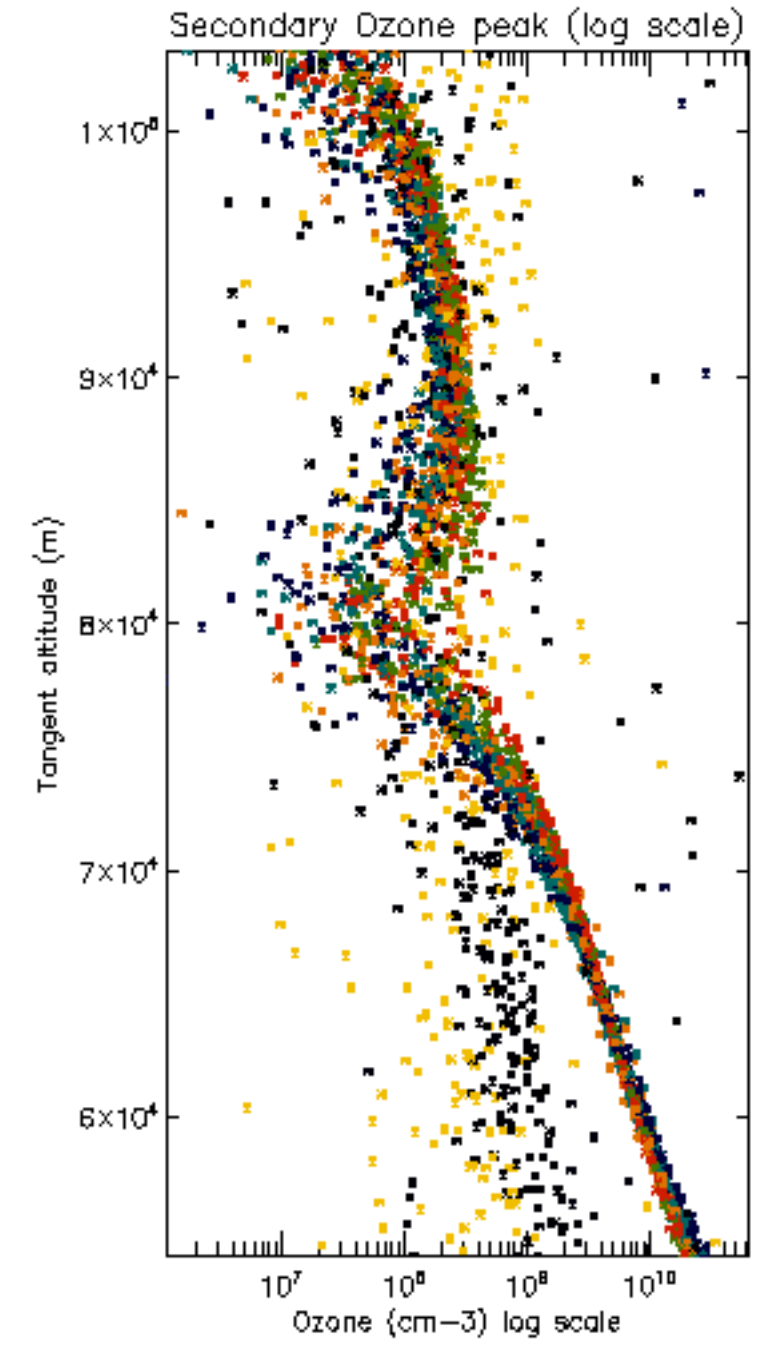
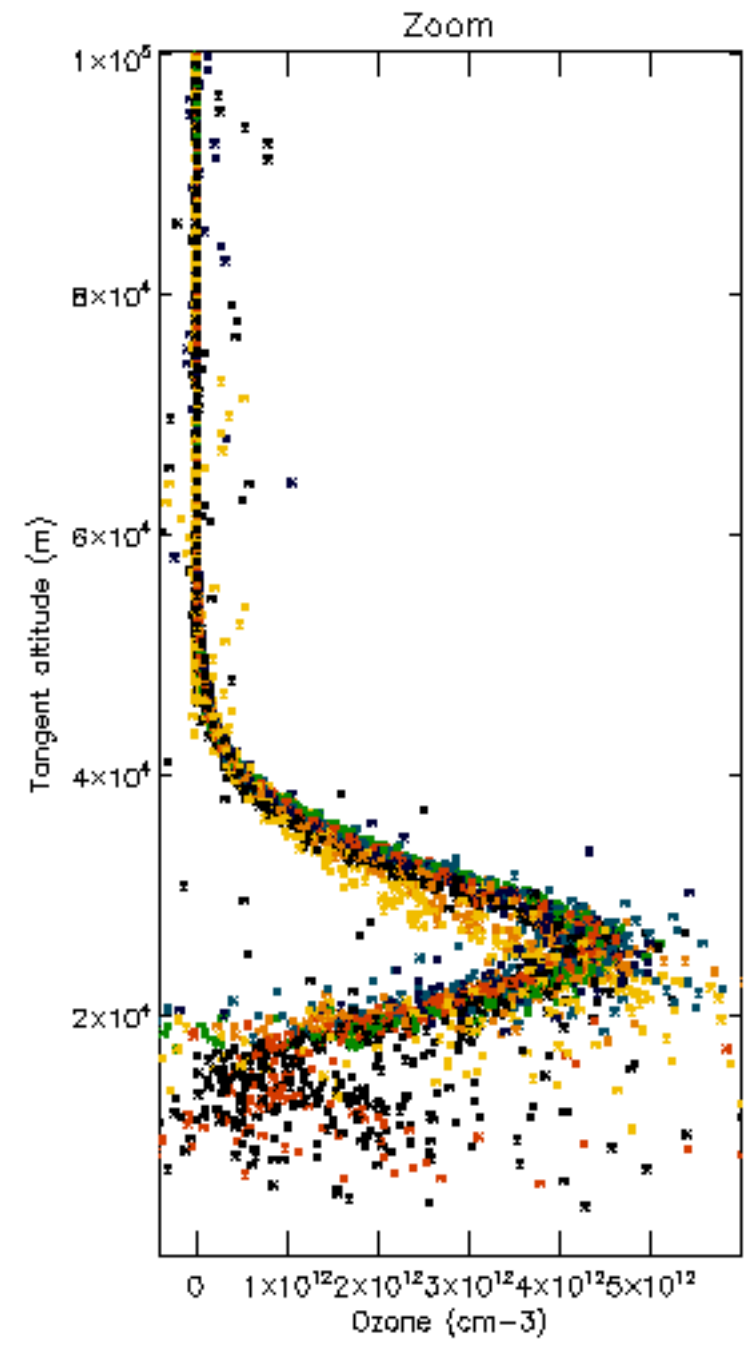
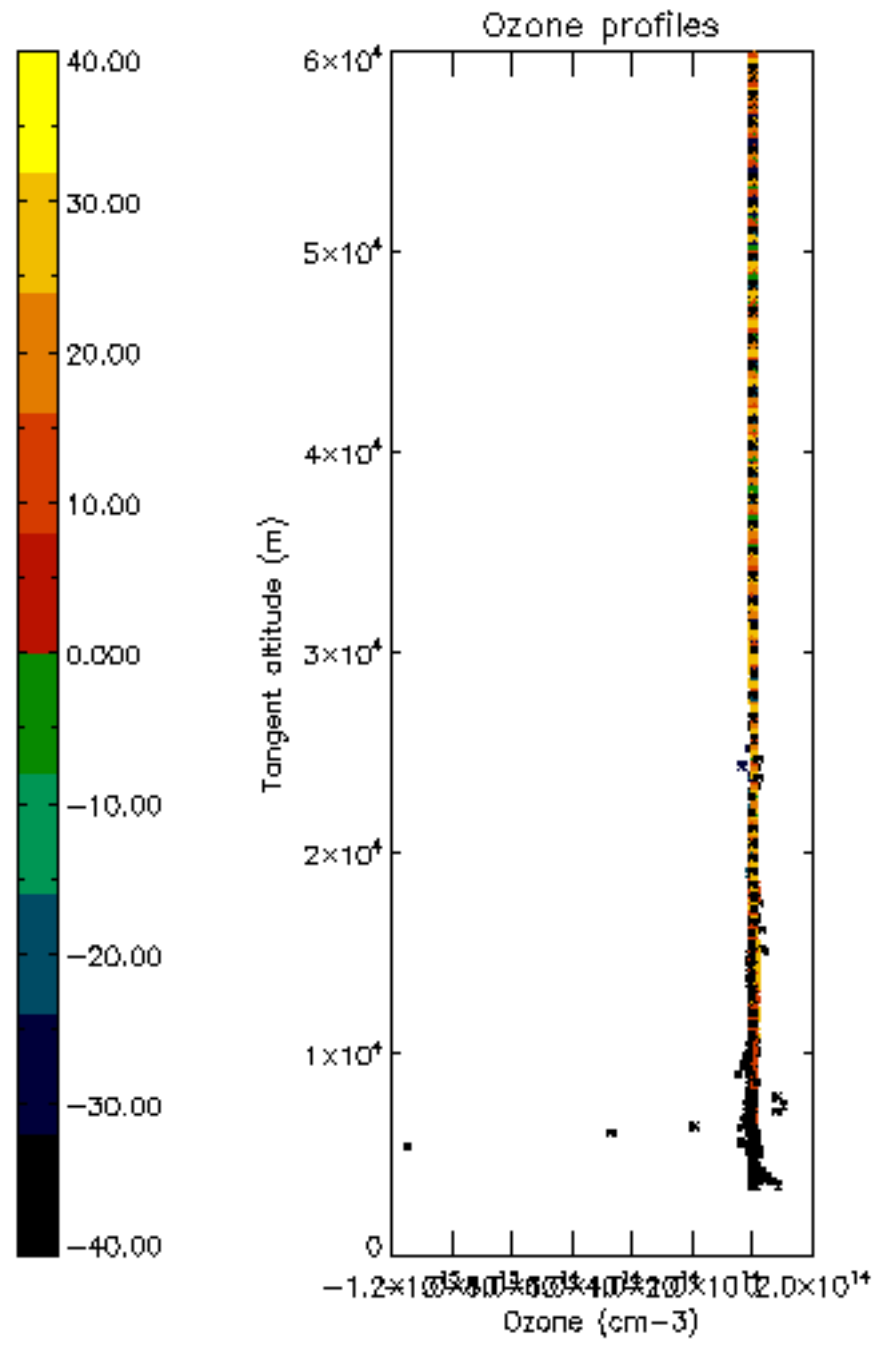


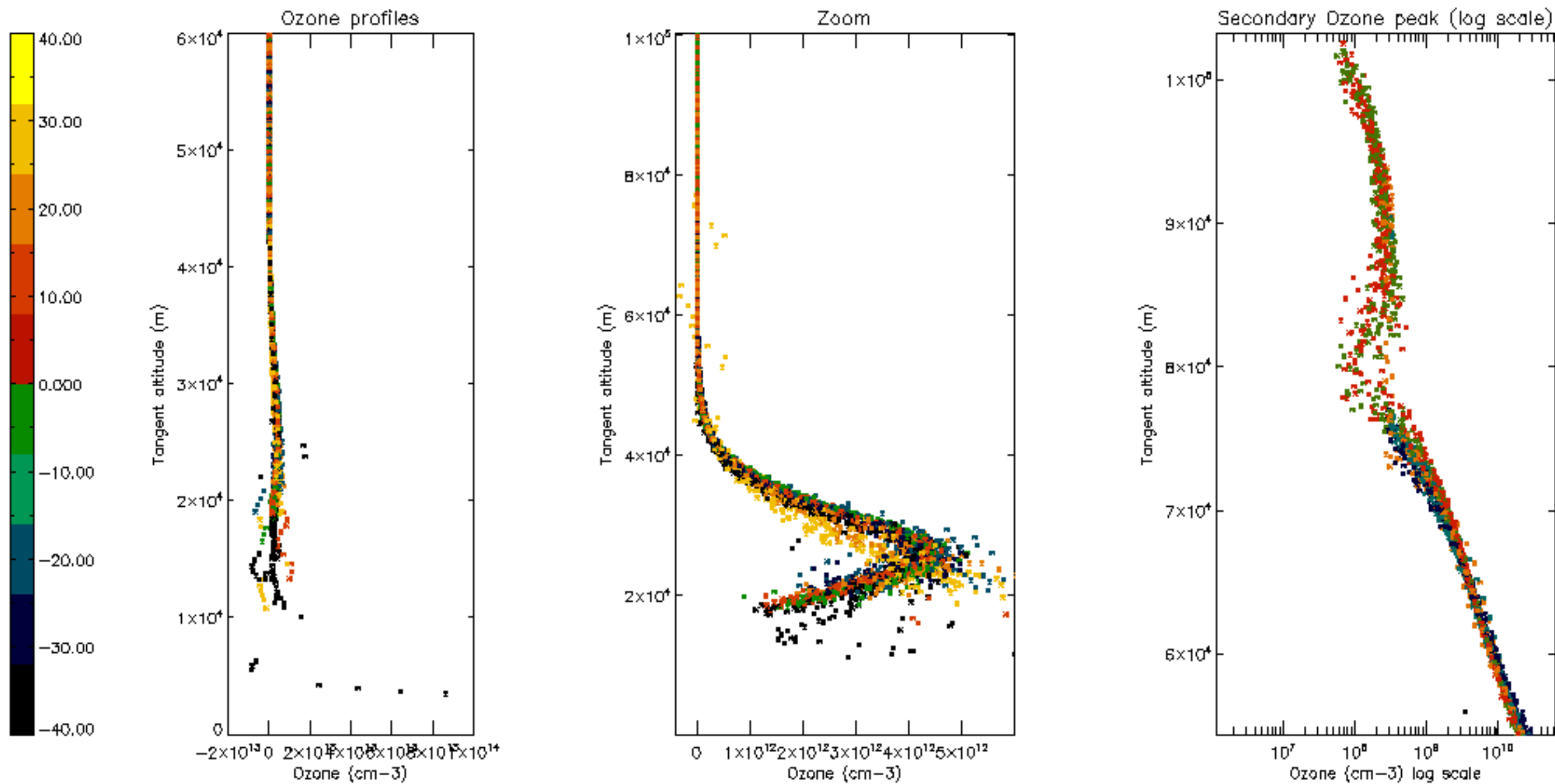
Percentage of star falling outside central band per profile

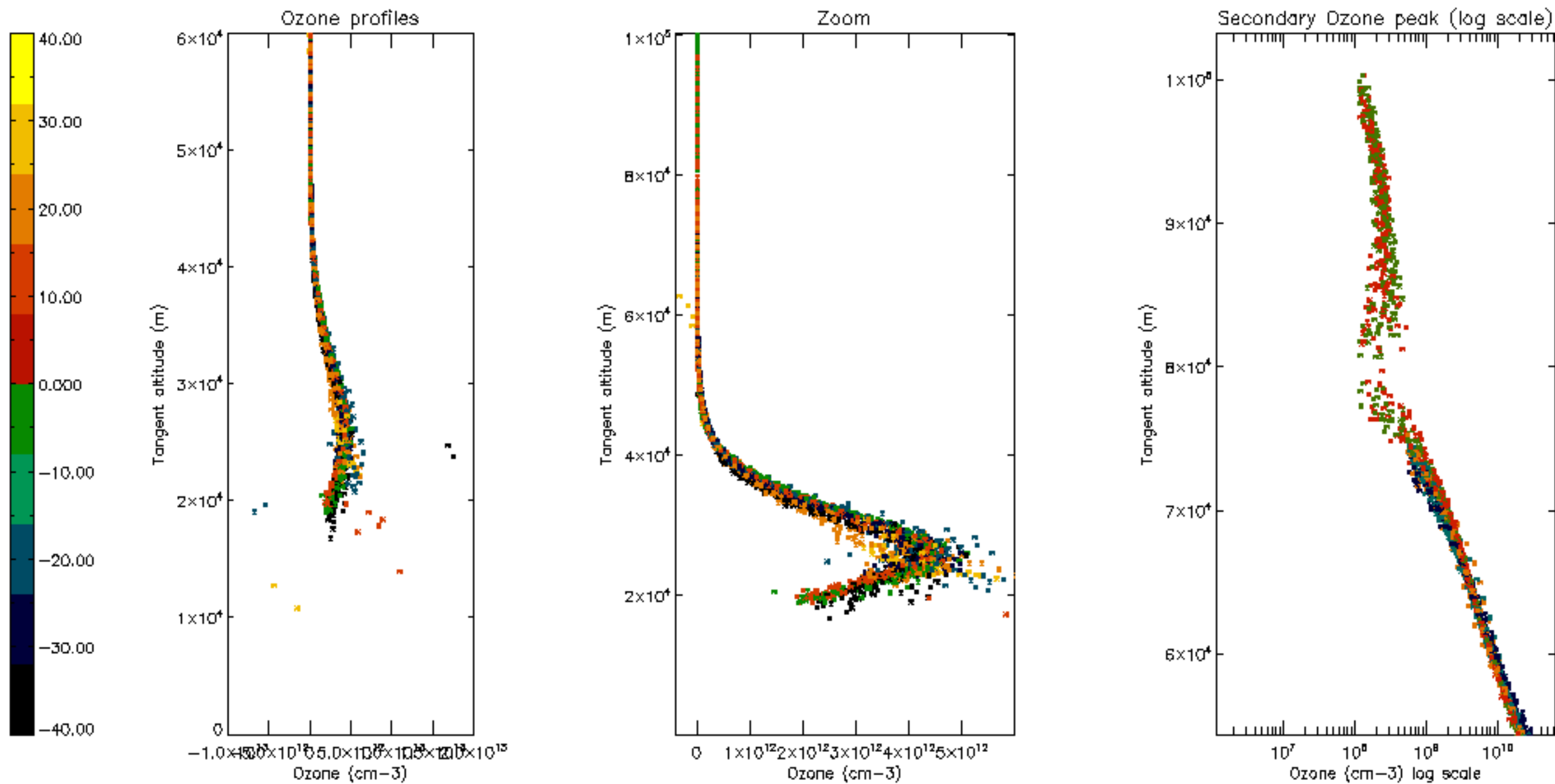


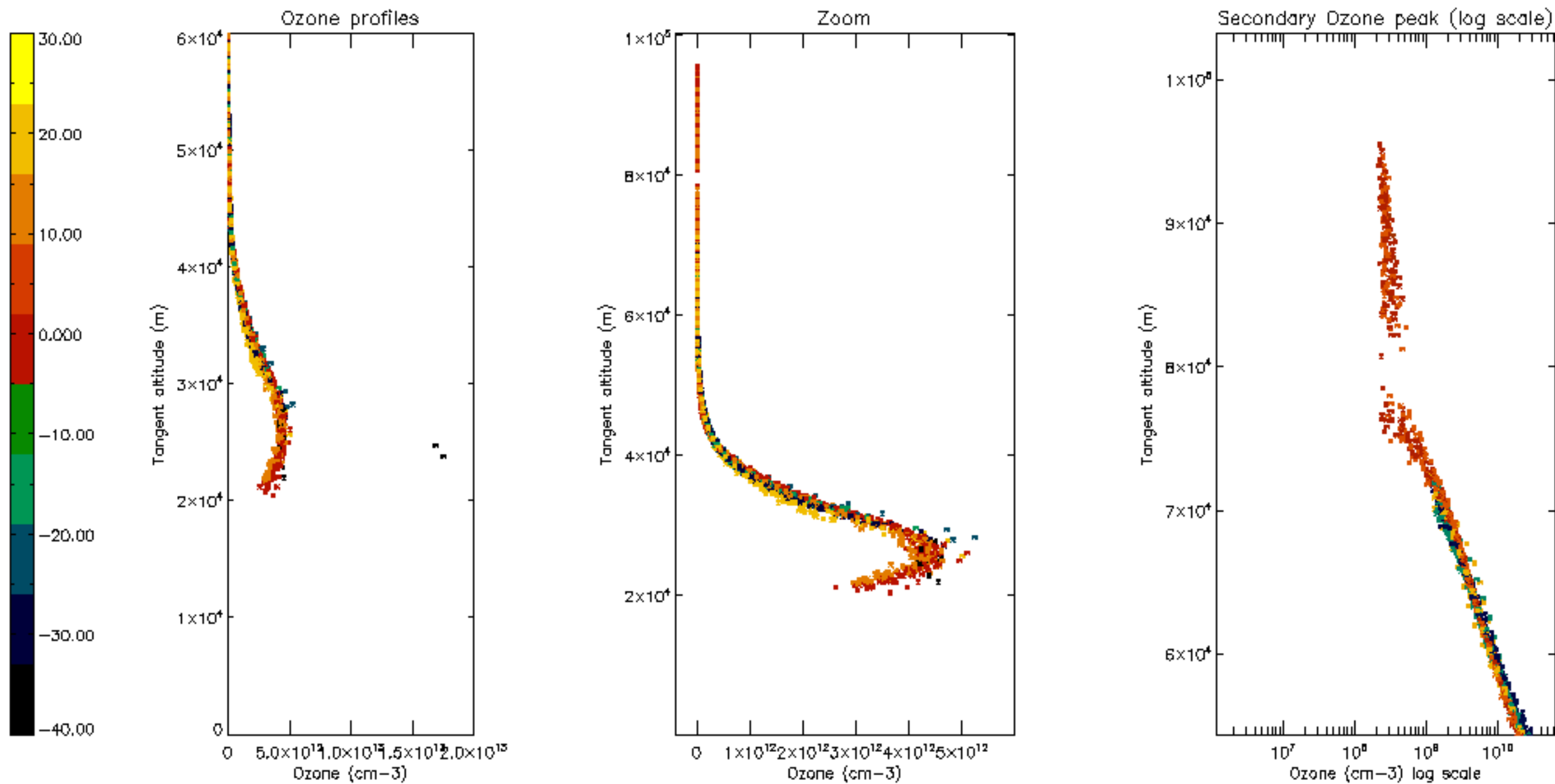
Percentage of saturation errors per profile

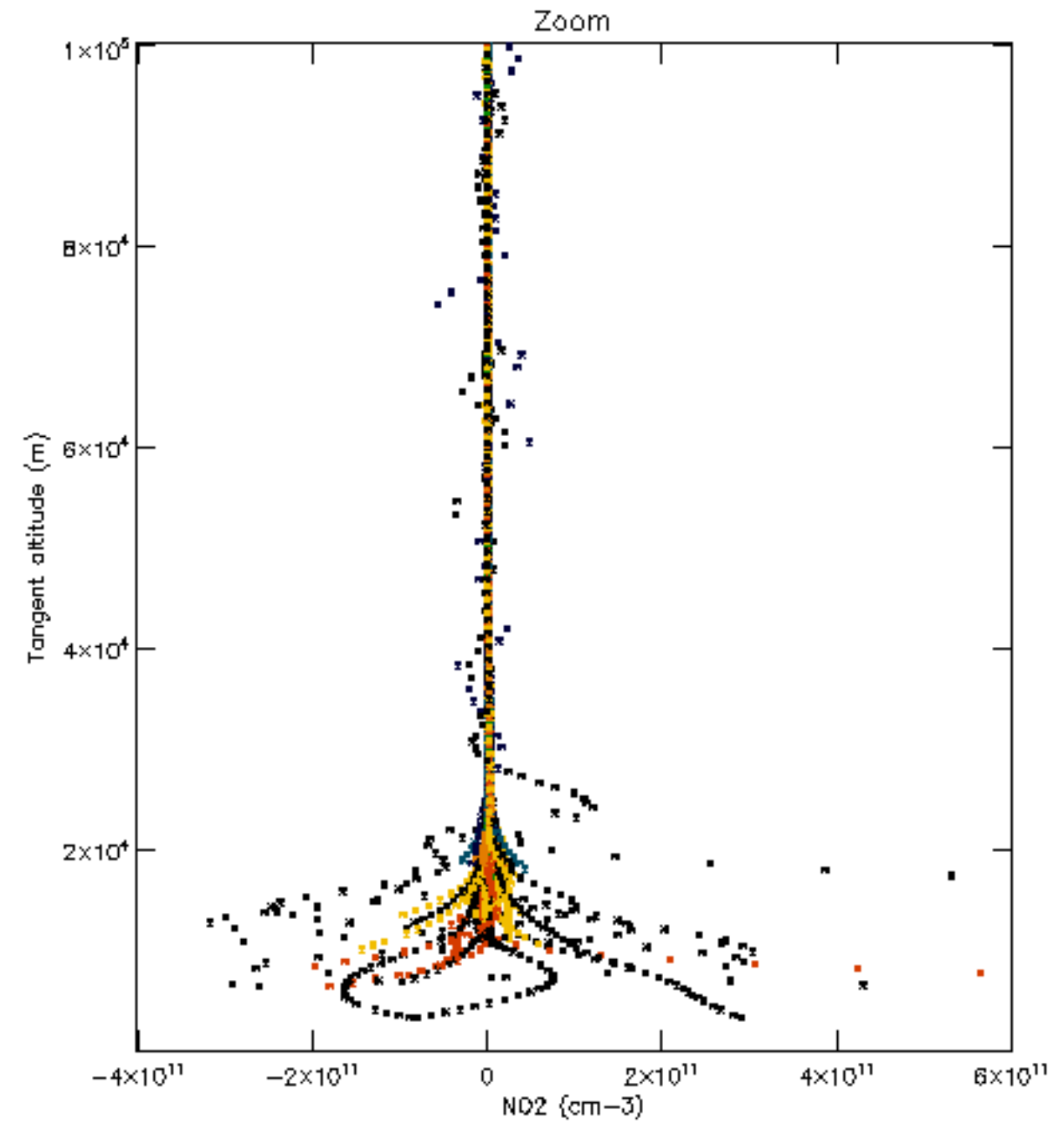
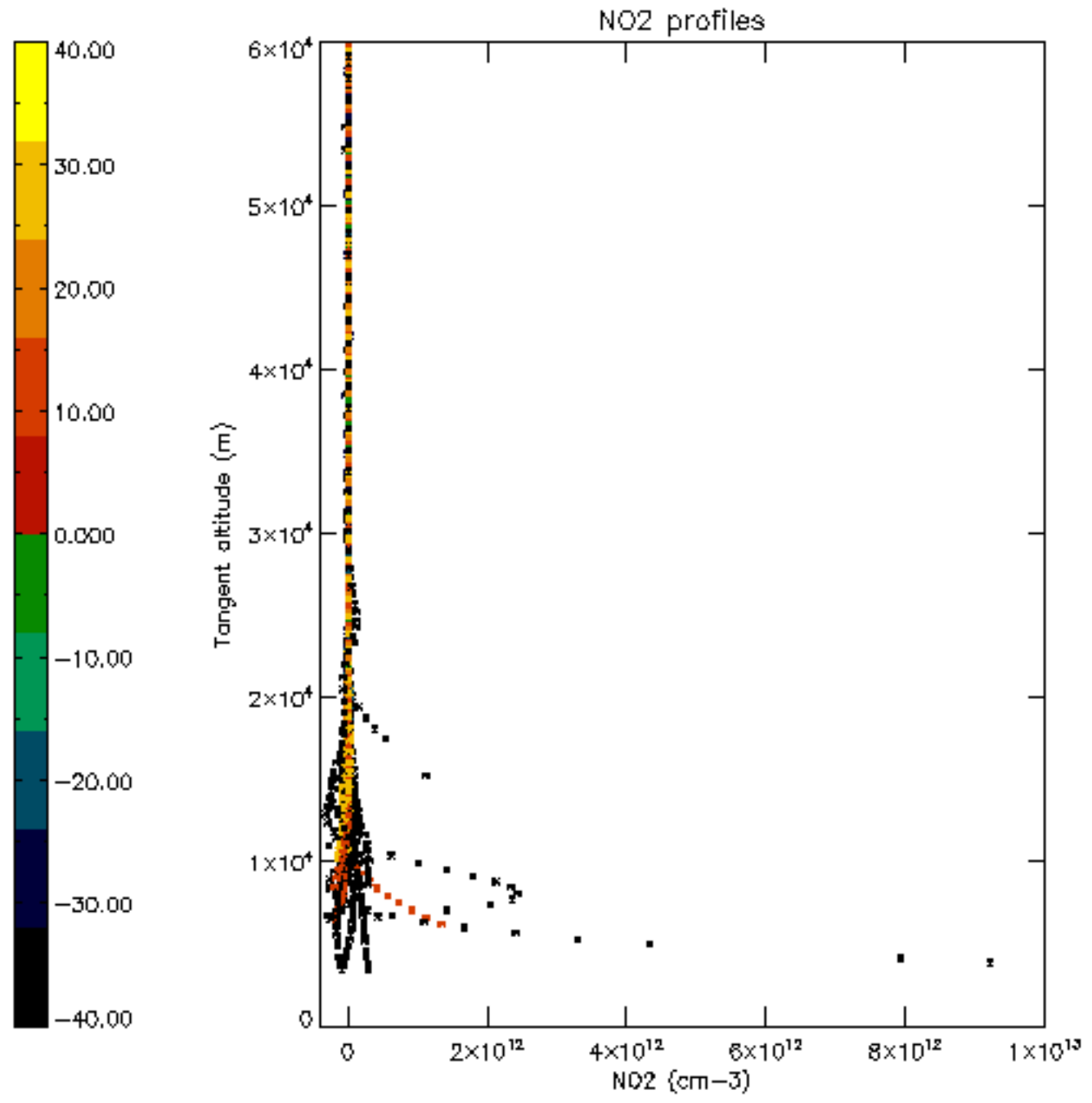


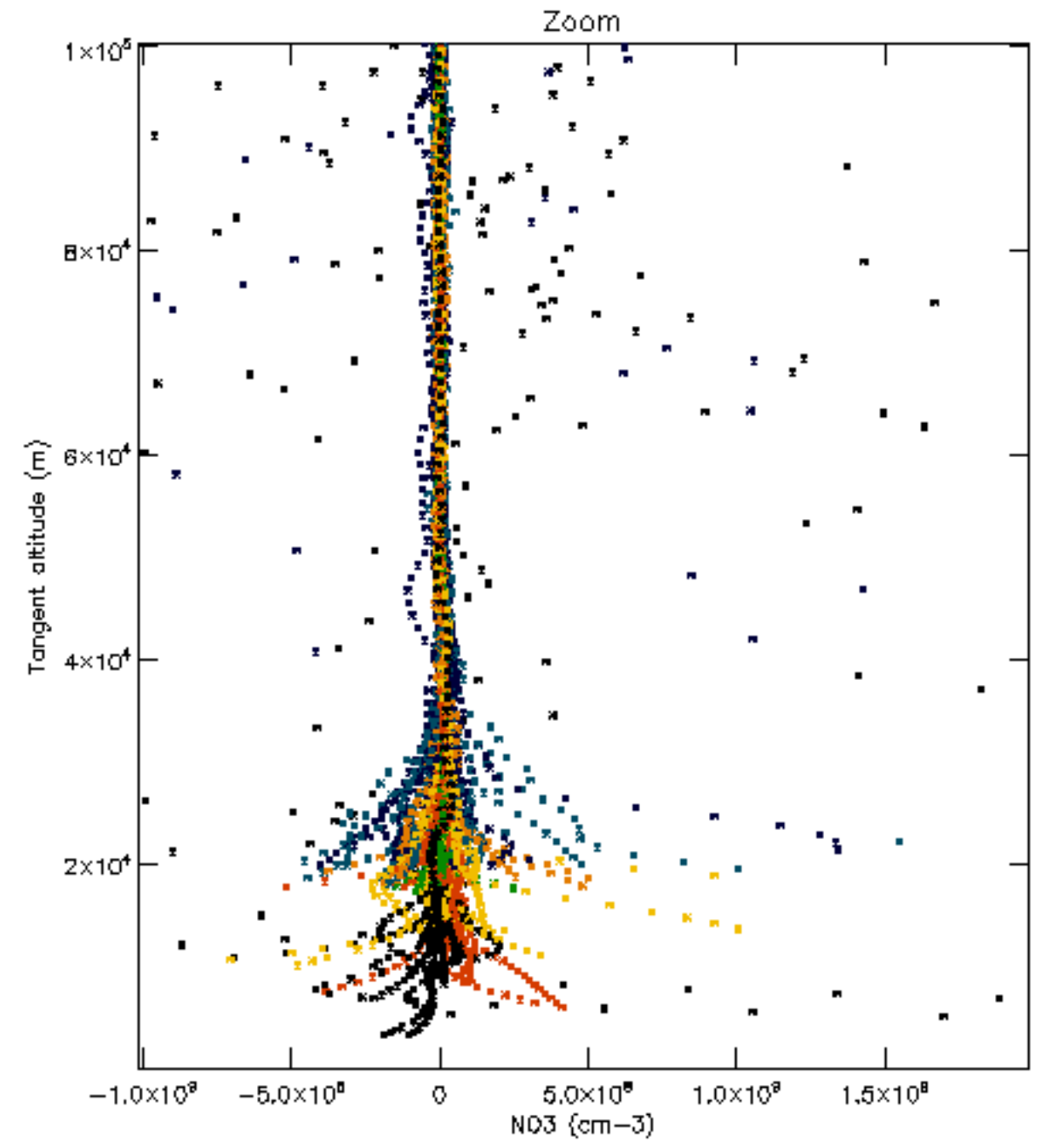
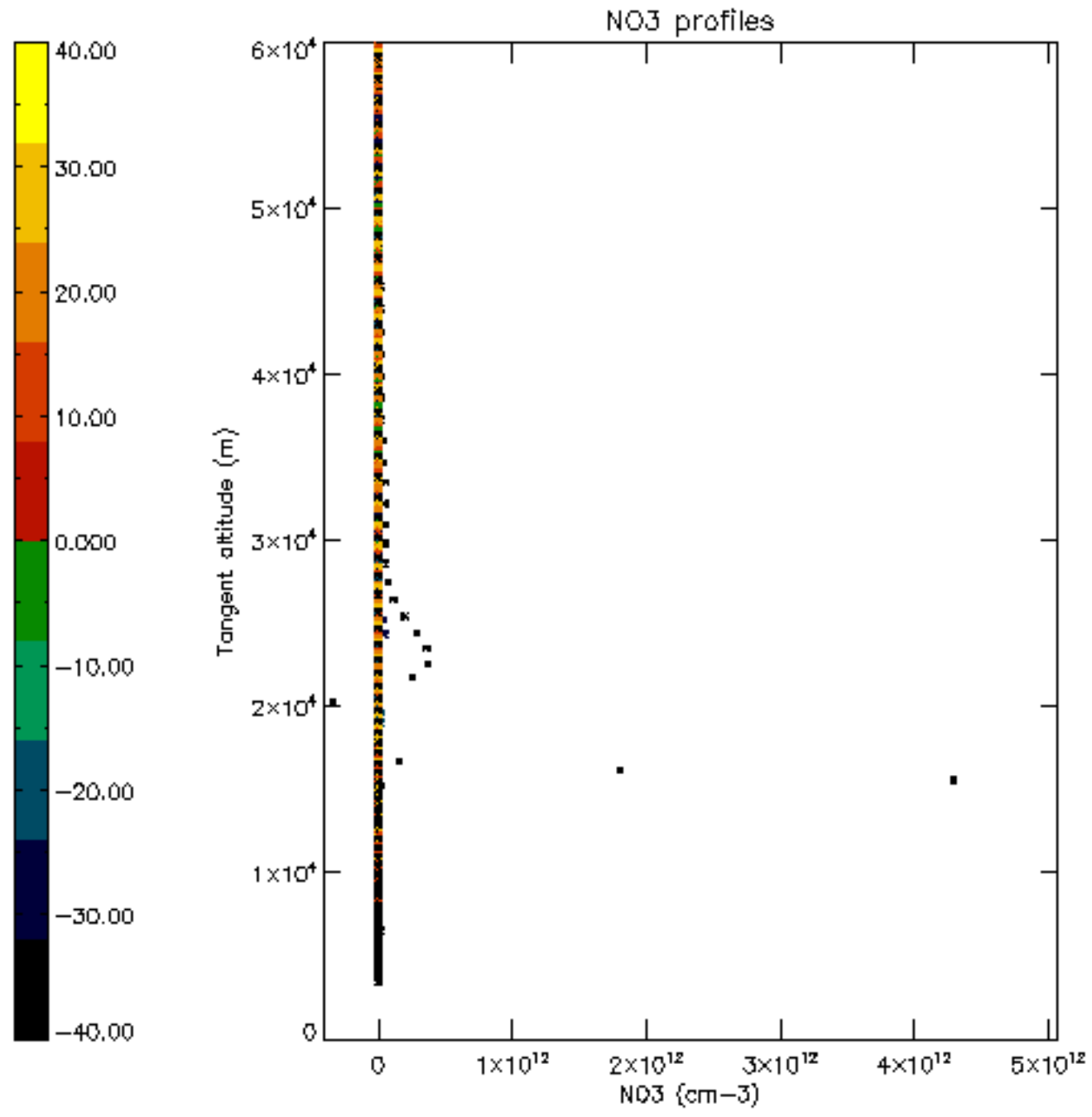


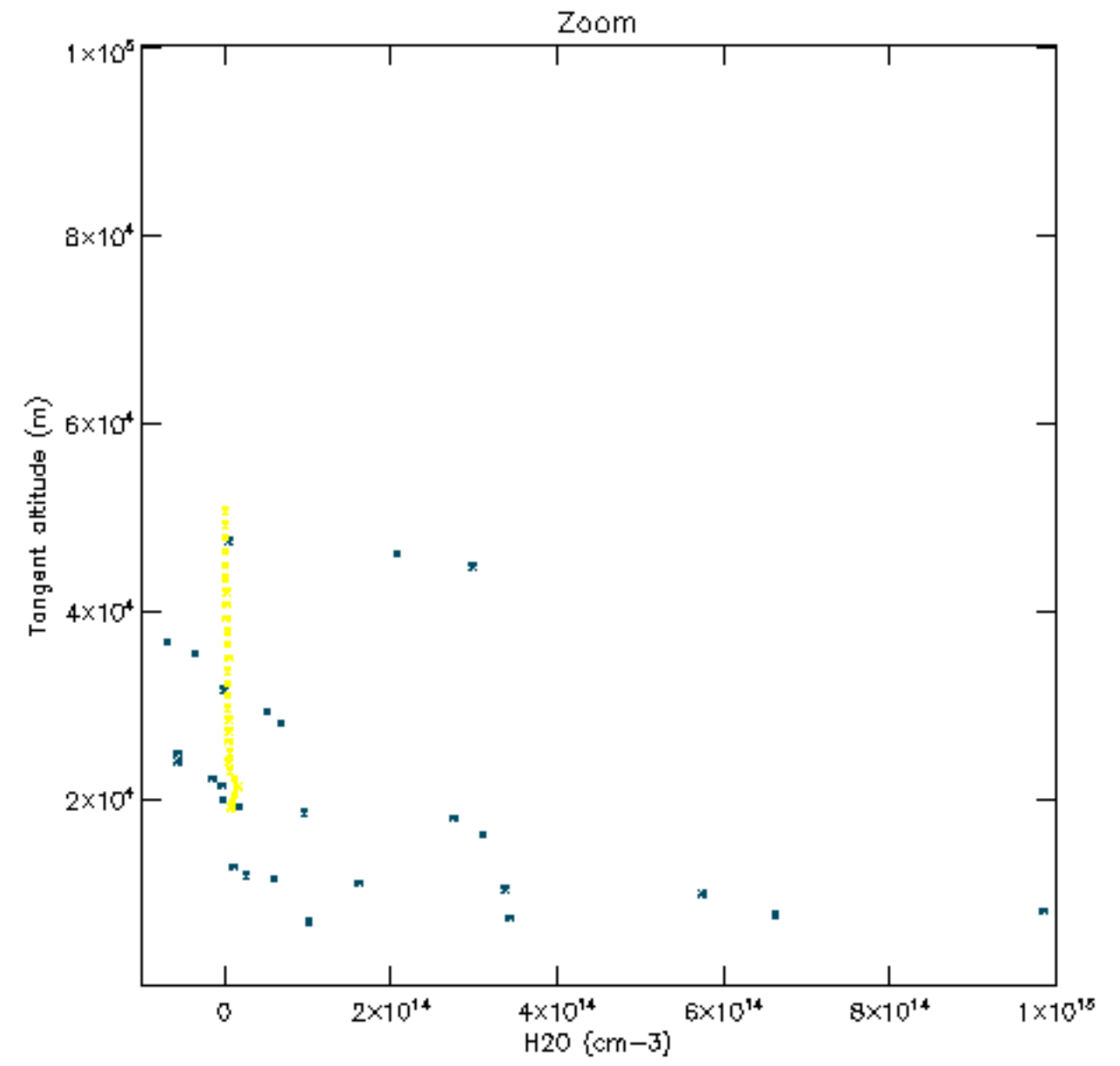
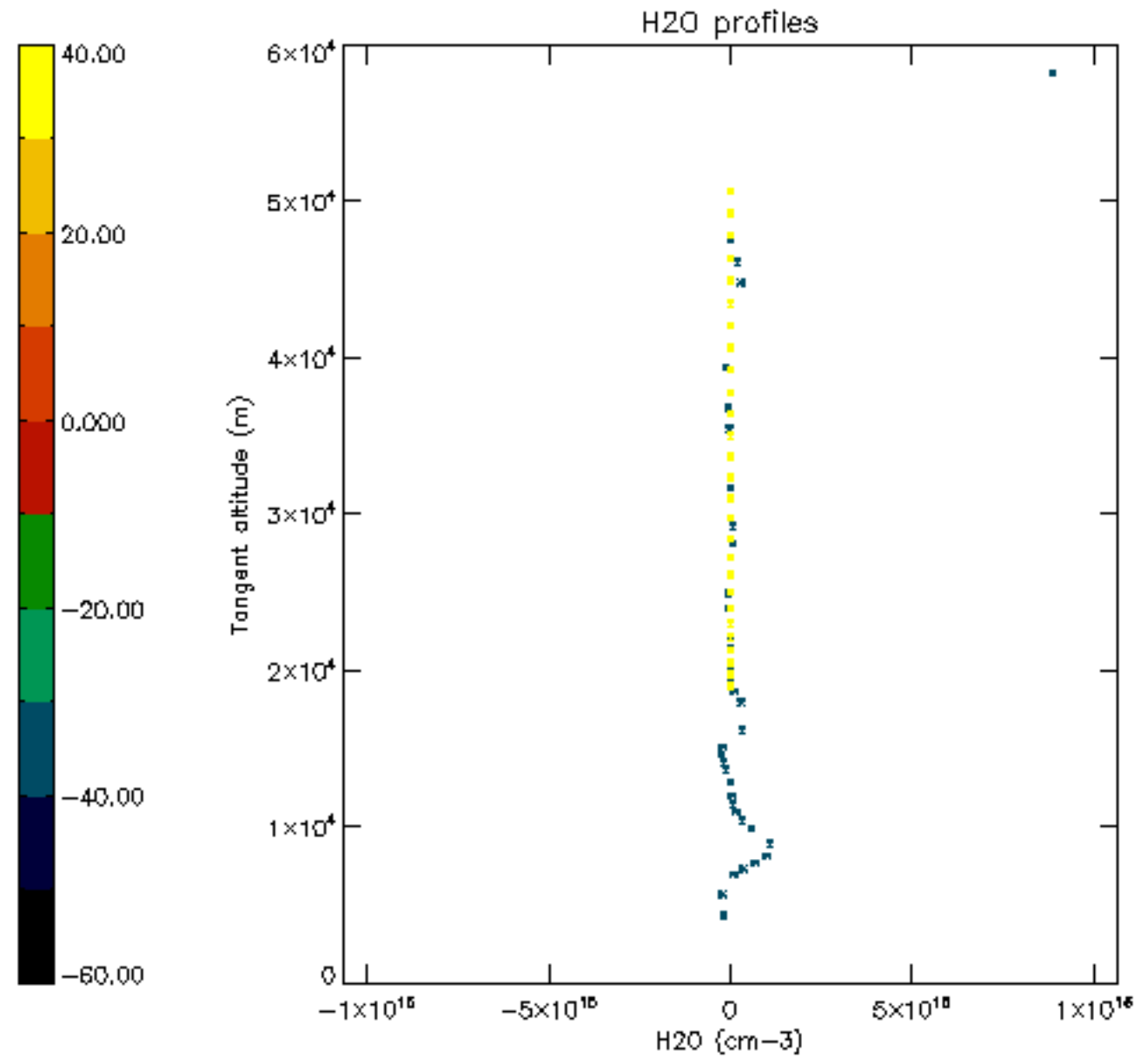


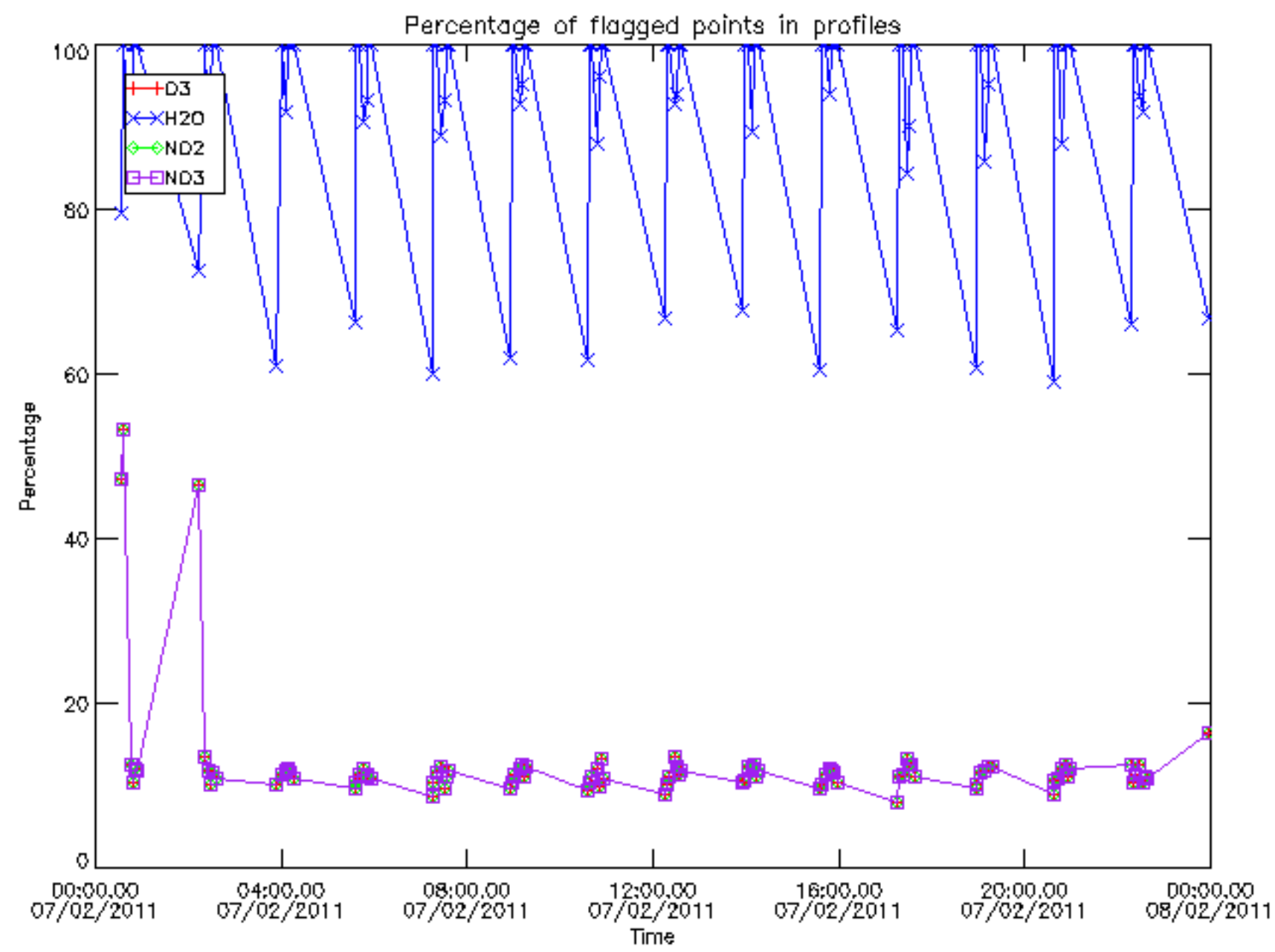




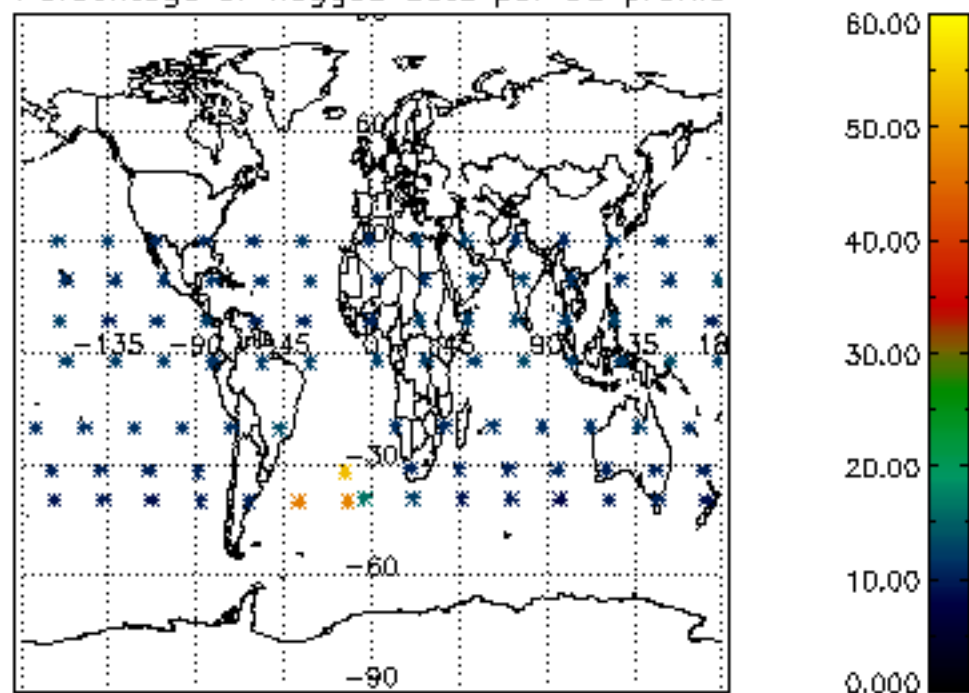




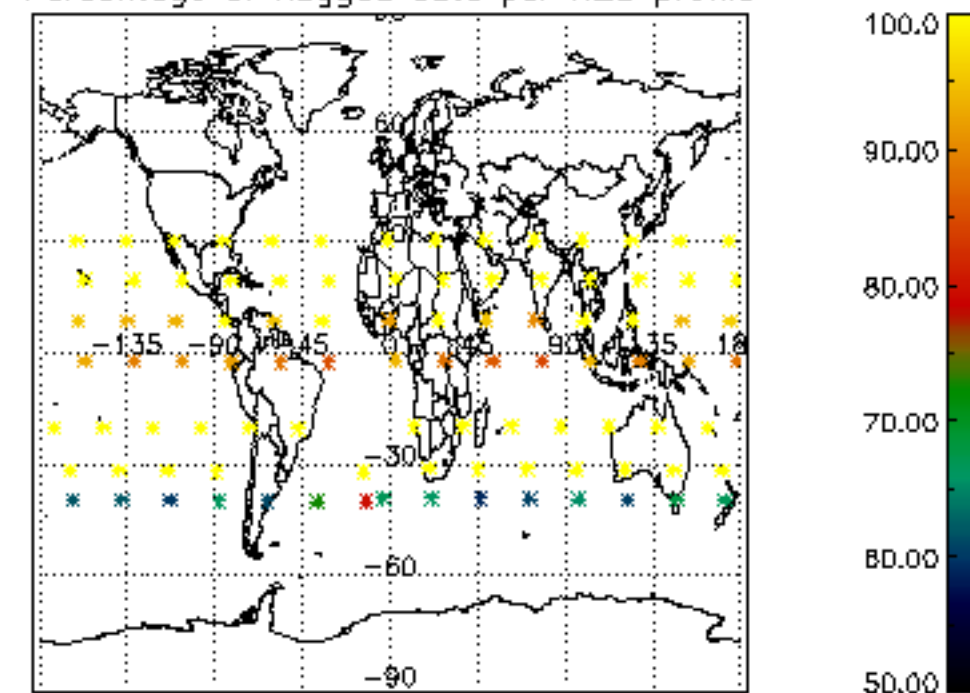




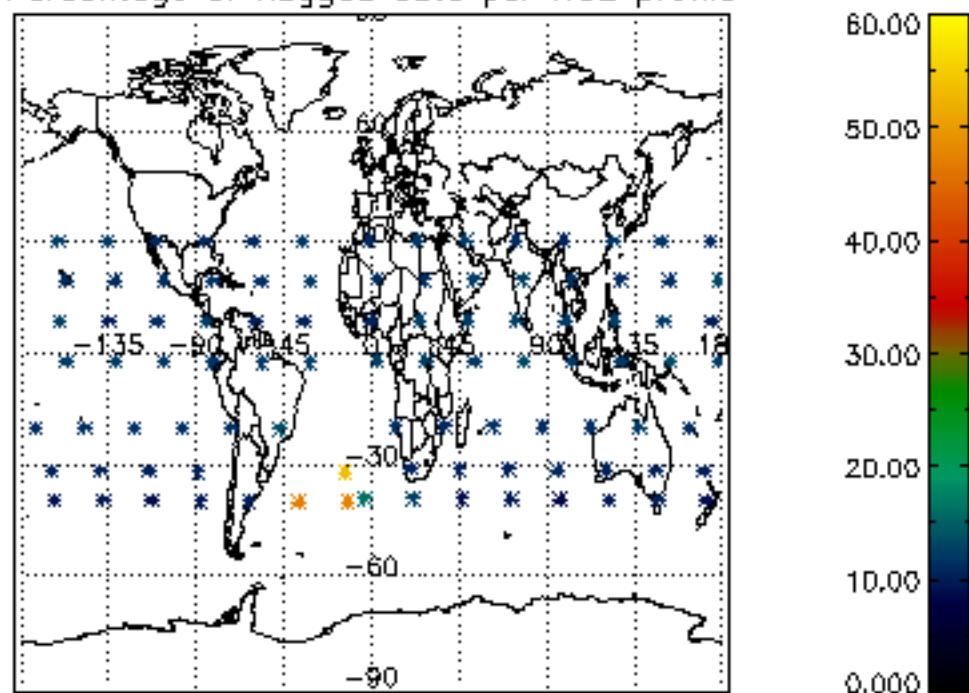
Percentage of flagged data per D3 profile



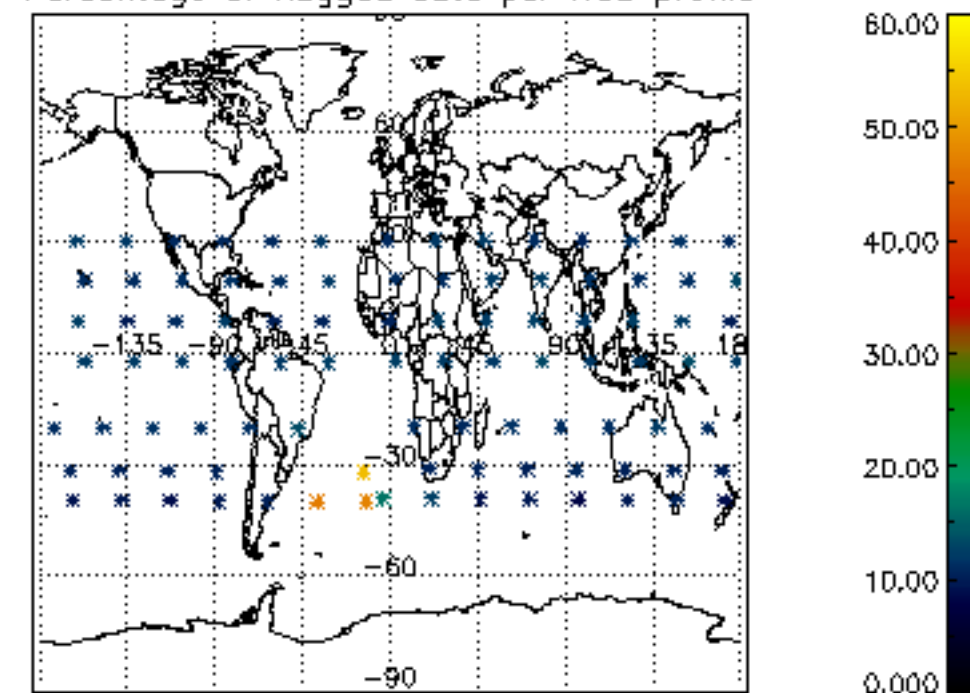
Percentage of flagged data per H2O profile

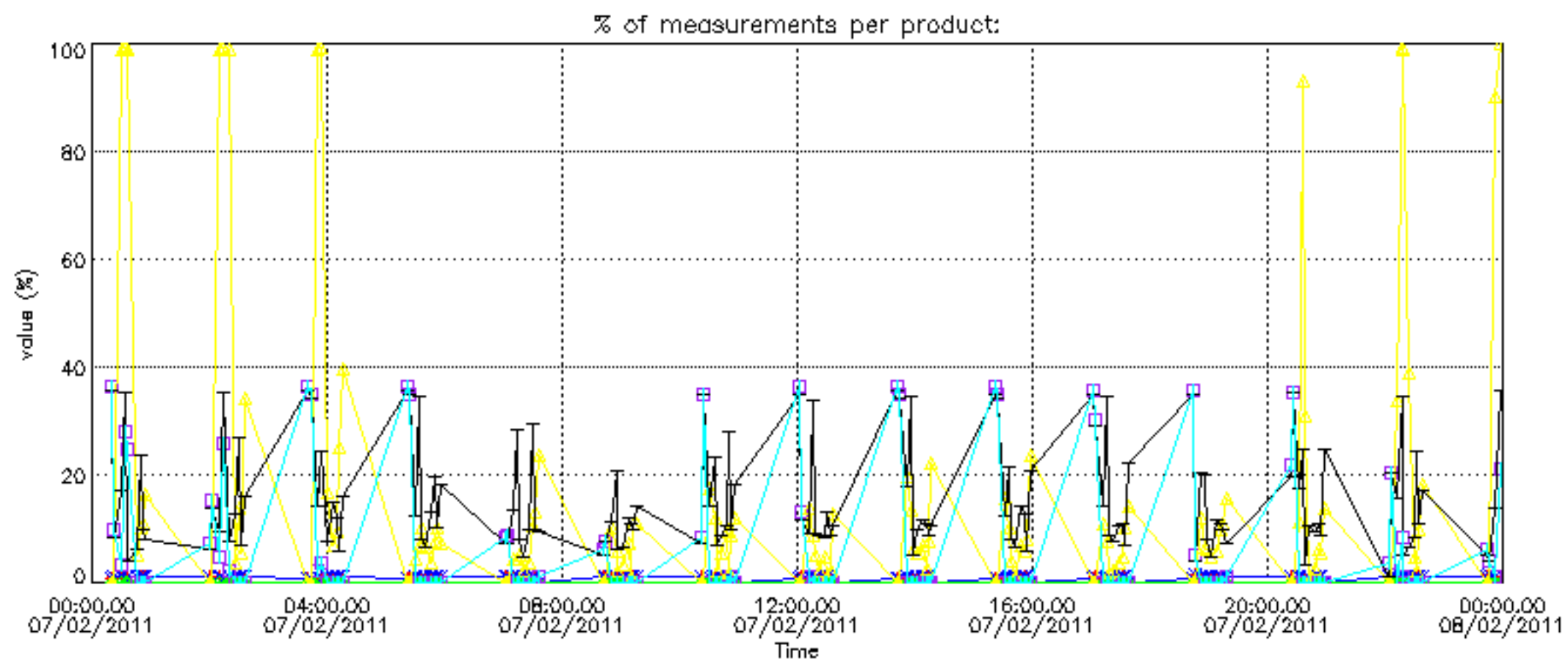
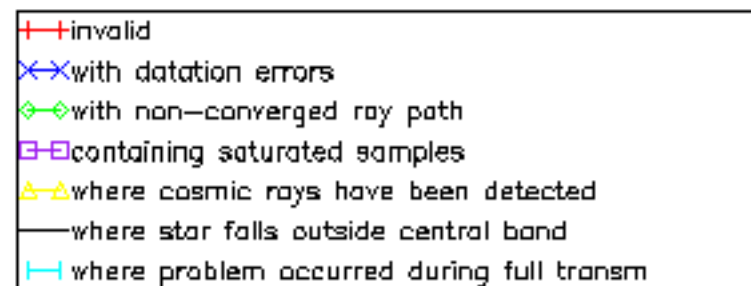


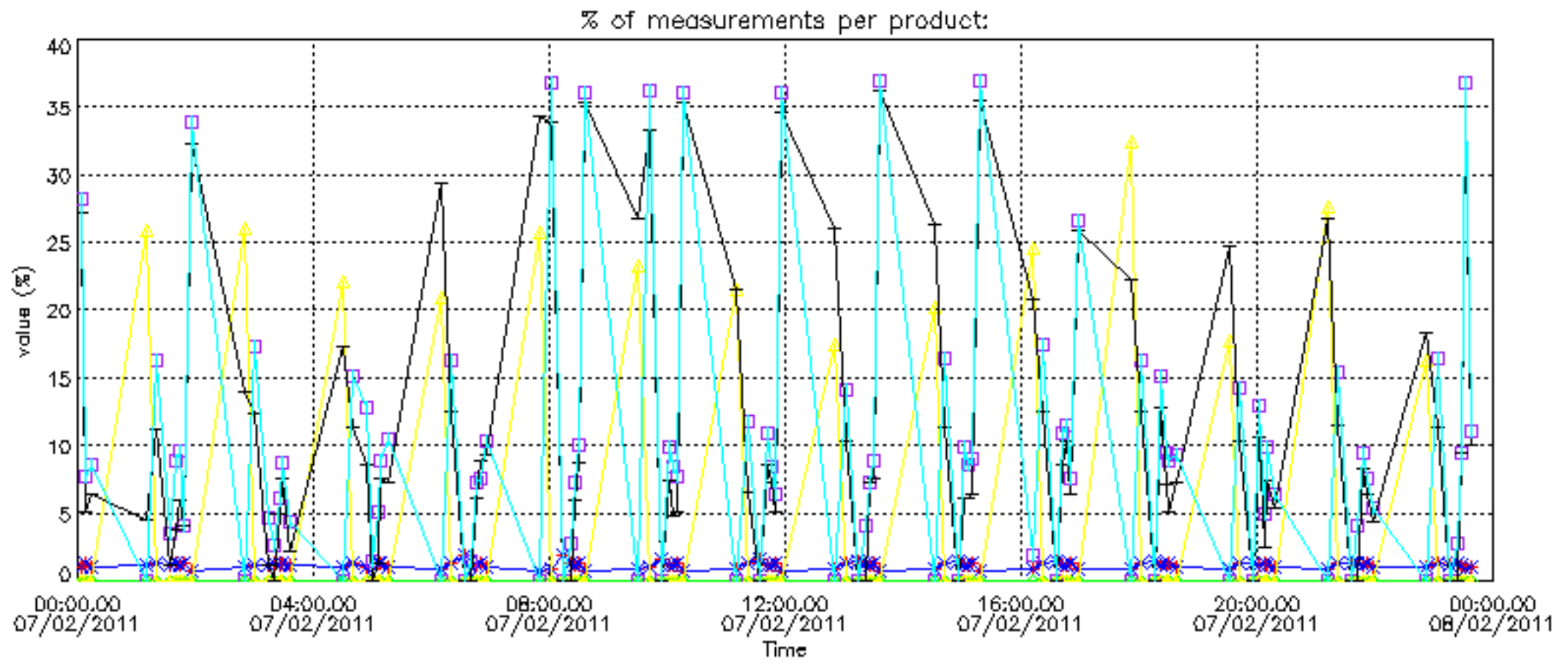
Percentage of flagged data per NO2 profile



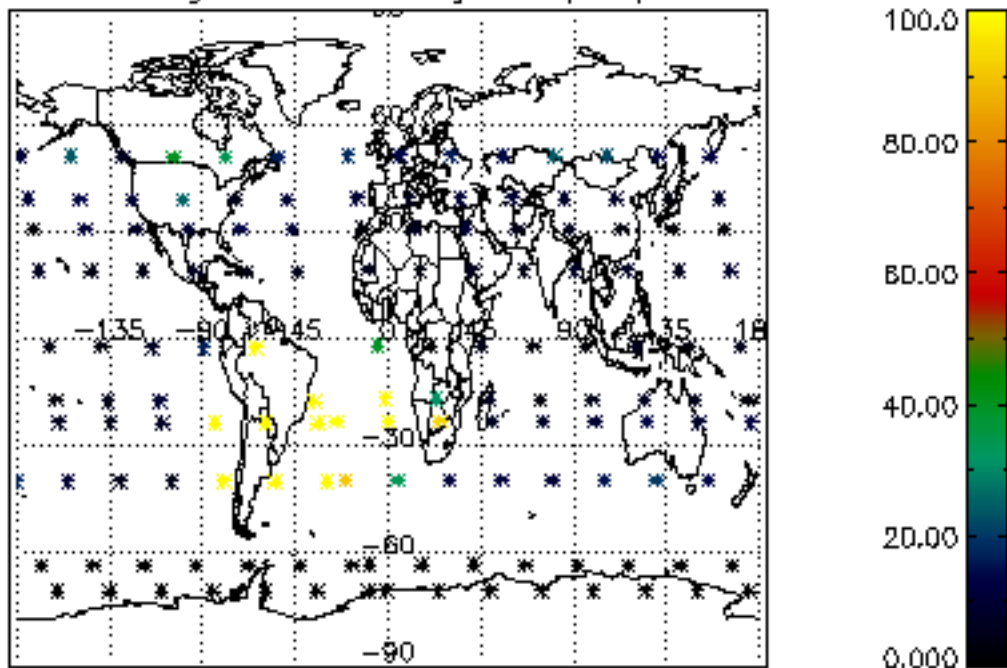
Percentage of flagged data per NO3 profile



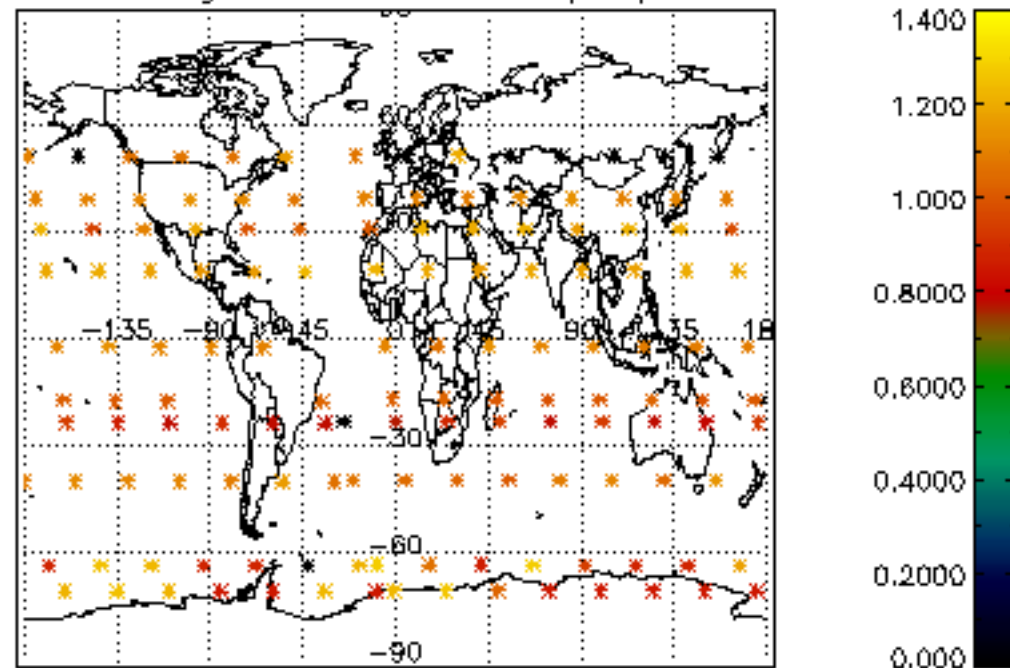




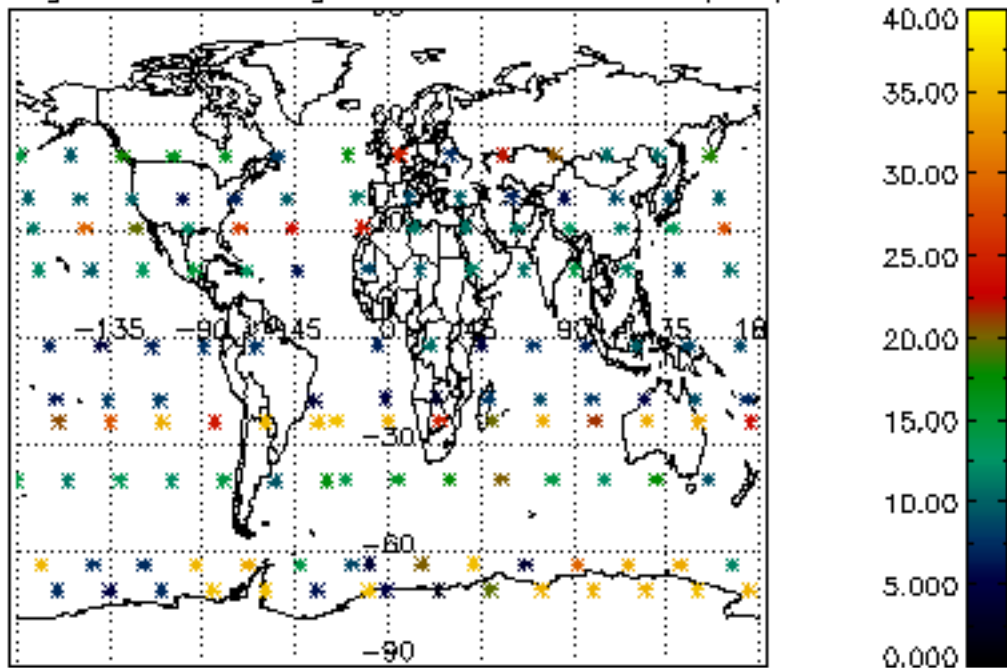
Percentage of cosmic ray hits per profile



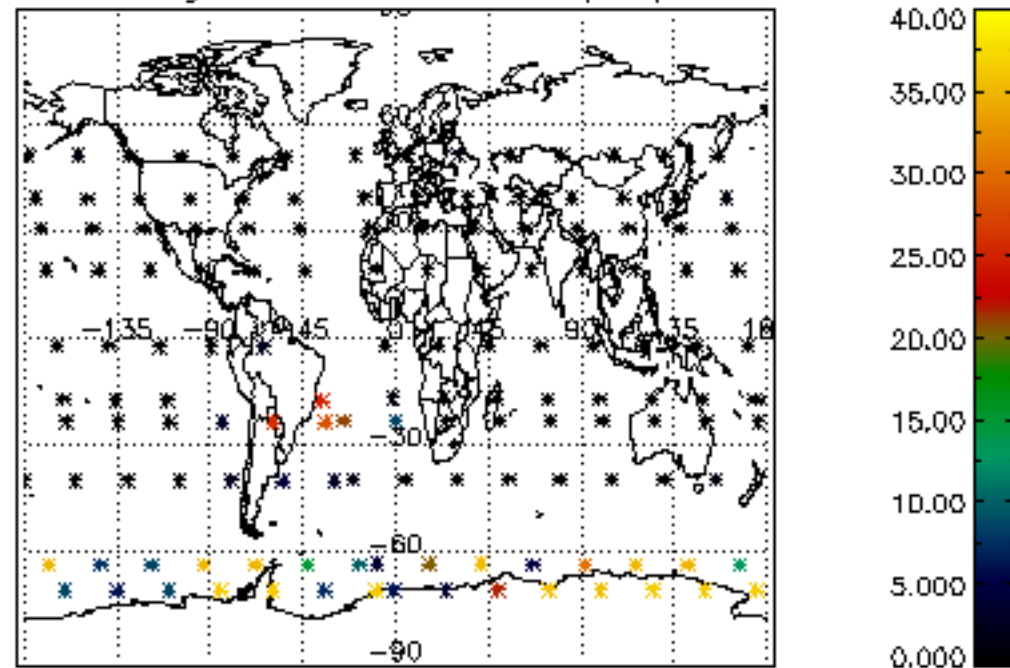
Percentage of datation errors per profile



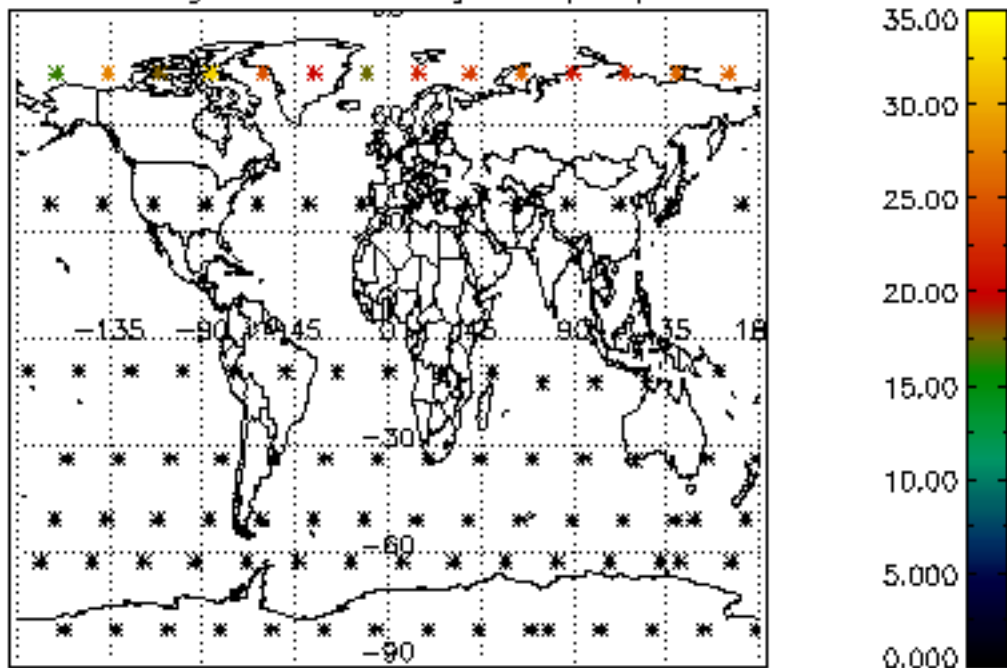
Percentage of star falling outside central band per profile



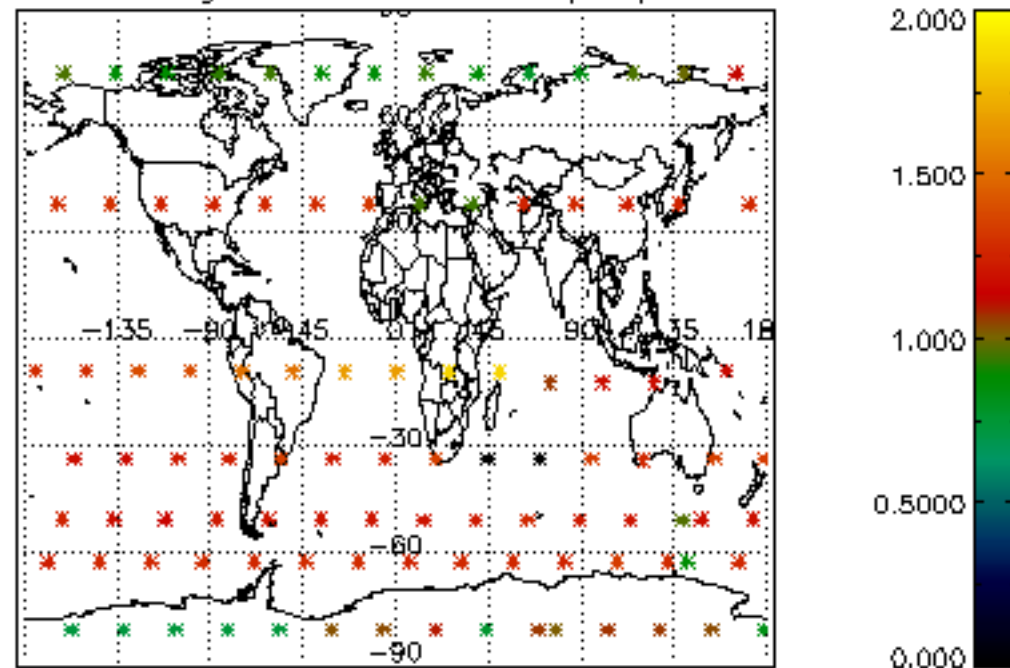
Percentage of saturation errors per profile



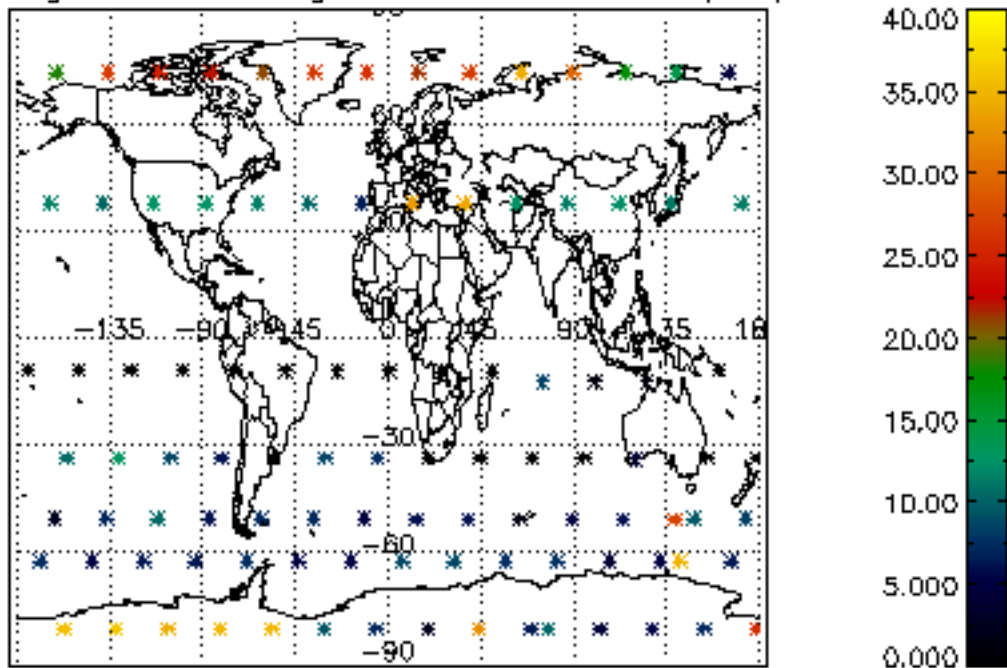
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

