

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 10:51:32
Data source version	GOMOS/6.01
Start time of products	10-09-2005 (10SEP2005 00:00:00)
Stop time of products	11-09-2005 (11SEP2005 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	200
Nb of prods with errors	2

2. Summary of processed GOM_NL__2P products.

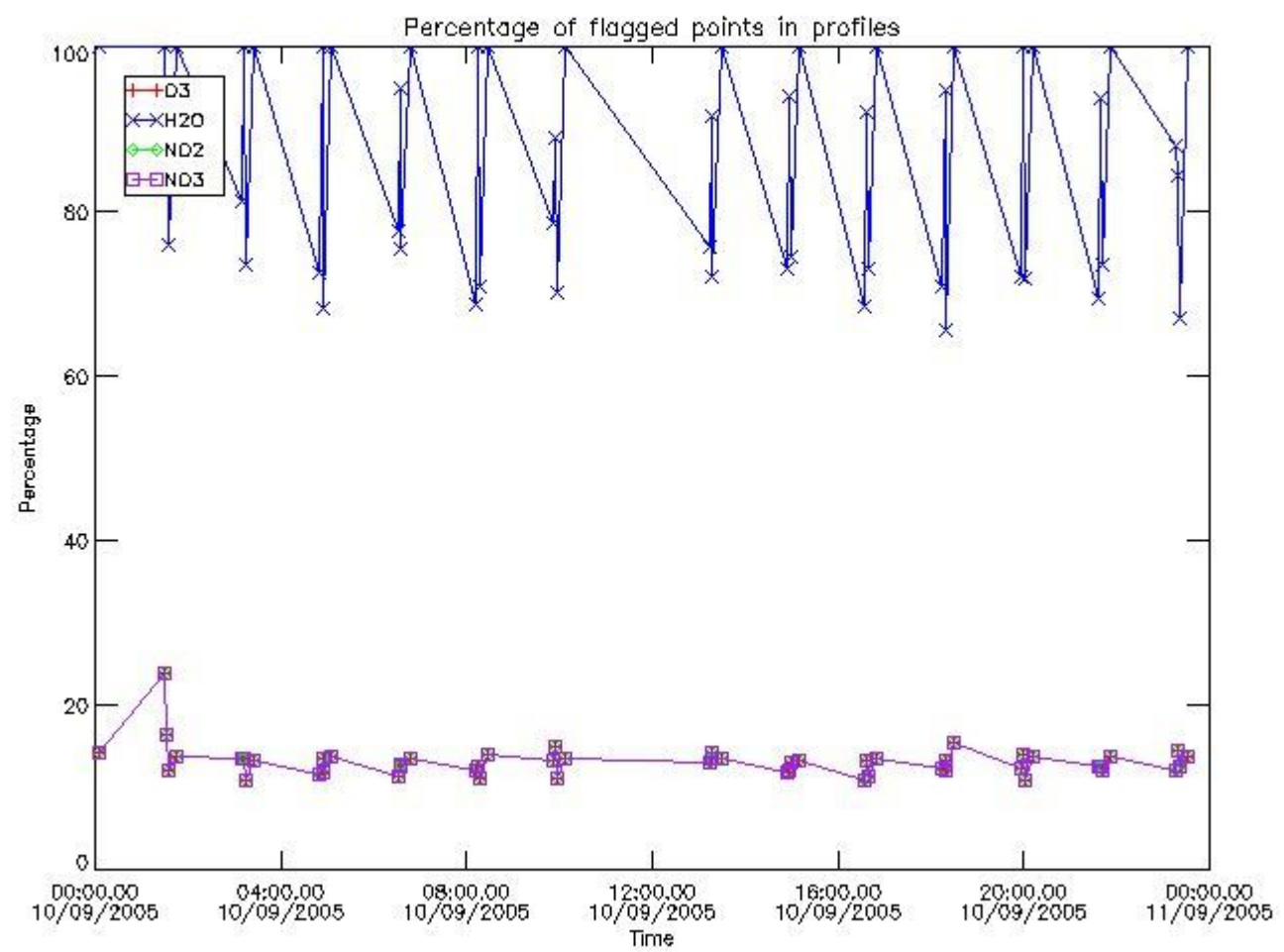
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20050910_000354_000000362040_00360_18450_6618.N1	10-SEP-2005 00:03:54	Dark	36.000	135	Bet Hyi	2.8200	5800.0	72	18450	No
2	GOM_NL__2PRFIN20050910_000929_000000402040_00360_18450_6619.N1	10-SEP-2005 00:09:29	Straylight	40.000	148	Alp Tuc	2.8780	4100.0	80	18450	No
3	GOM_NL__2PRFIN20050910_001311_000000402040_00360_18450_6620.N1	10-SEP-2005 00:13:11	Straylight	40.000	31	Alp Gru	1.7340	15200.	80	18450	No
4	GOM_NL__2PRFIN20050910_001558_000000392040_00360_18450_6621.N1	10-SEP-2005 00:15:58	Straylight	38.500	172	Gam Gru	3.0030	13100.	77	18450	No
5	GOM_NL__2PRFIN20050910_002156_000000402040_00360_18450_6622.N1	10-SEP-2005 00:21:56	Bright	40.000	142	49Del Cap	2.8500	8900.0	80	18450	No
6	GOM_NL__2PRFIN20050910_002501_000000372040_00360_18450_6623.N1	10-SEP-2005 00:25:01	Bright	37.000	154	22Bet Aqr	2.8990	5700.0	74	18450	No
7	GOM_NL__2PRFIN20050910_003622_000000372040_00360_18450_6624.N1	10-SEP-2005 00:36:22	Bright	36.500	92	53Eps Cyg	2.5000	4500.0	73	18450	No
8	GOM_NL__2PRFIN20050910_003823_000000372040_00360_18450_6625.N1	10-SEP-2005 00:38:23	Bright	37.000	66	37Gam Cyg	2.2080	5900.0	74	18450	No
9	GOM_NL__2PRFIN20050910_004022_000000352040_00360_18450_6626.N1	10-SEP-2005 00:40:22	Bright	35.000	144	18Del Cyg	2.8600	11000.	70	18450	No
10	GOM_NL__2PRFIN20050910_005220_000000332040_00360_18450_6627.N1	10-SEP-2005 00:52:20	Bright	32.500	60	7Bet UMi	2.0810	3950.0	65	18450	No
11	GOM_NL__2PRFIN20050910_005851_000000372040_00360_18450_6628.N1	10-SEP-2005 00:58:51	Bright	36.500	36	50Alp UMa	1.8000	6300.0	73	18450	No
12	GOM_NL__2PRFIN20050910_010015_000000522040_00360_18450_6629.N1	10-SEP-2005 01:00:15	Bright	51.500	82	48Bet UMa	2.3650	10600.	103	18450	No
13	GOM_NL__2PRFIN20050910_012911_000000432040_00360_18450_6630.N1	10-SEP-2005 01:29:11	Dark	42.500	65	Lam Vel	2.2040	4400.0	85	18450	No
14	GOM_NL__2PRFIN20050910_013225_000000382040_00360_18450_6631.N1	10-SEP-2005 01:32:25	Dark	37.500	46	Del Vel	1.9540	10600.	75	18450	No
15	GOM_NL__2PRFIN20050910_013354_000000422040_00360_18450_6632.N1	10-SEP-2005 01:33:54	Dark	42.000	41	Eps Car	1.8600	4100.0	84	18450	No
16	GOM_NL__2PRFIN20050910_014430_000000372040_00361_18451_6618.N1	10-SEP-2005 01:44:30	Dark	37.000	135	Bet Hyi	2.8200	5800.0	74	18451	No
17	GOM_NL__2PRFIN20050910_015005_000000382040_00361_18451_6619.N1	10-SEP-2005 01:50:05	Straylight	37.500	148	Alp Tuc	2.8780	4100.0	75	18451	No
18	GOM_NL__2PRFIN20050910_015347_000000402040_00361_18451_6620.N1	10-SEP-2005 01:53:47	Straylight	39.500	31	Alp Gru	1.7340	15200.	79	18451	No
19	GOM_NL__2PRFIN20050910_015634_000000392040_00361_18451_6621.N1	10-SEP-2005 01:56:34	Straylight	38.500	172	Gam Gru	3.0030	13100.	77	18451	No
20	GOM_NL__2PRFIN20050910_020232_000000402040_00361_18451_6622.N1	10-SEP-2005 02:02:32	Bright	40.000	142	49Del Cap	2.8500	8900.0	80	18451	No
21	GOM_NL__2PRFIN20050910_020537_000000382040_00361_18451_6623.N1	10-SEP-2005 02:05:37	Bright	37.500	154	22Bet Aqr	2.8990	5700.0	75	18451	No
22	GOM_NL__2PRFIN20050910_021658_000000352040_00361_18451_6624.N1	10-SEP-2005 02:16:58	Bright	35.000	92	53Eps Cyg	2.5000	4500.0	70	18451	No
23	GOM_NL__2PRFIN20050910_021859_000000372040_00361_18451_6625.N1	10-SEP-2005 02:18:59	Bright	36.500	66	37Gam Cyg	2.2080	5900.0	73	18451	No
24	GOM_NL__2PRFIN20050910_022059_000000352040_00361_18451_6626.N1	10-SEP-2005 02:20:59	Bright	35.000	144	18Del Cyg	2.8600	11000.	70	18451	No
25	GOM_NL__2PRFIN20050910_023256_000000362040_00361_18451_6627.N1	10-SEP-2005 02:32:56	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	18451	No
26	GOM_NL__2PRFIN20050910_023927_000000352040_00361_18451_6628.N1	10-SEP-2005 02:39:27	Bright	34.500	36	50Alp UMa	1.8000	6300.0	69	18451	No
27	GOM_NL__2PRFIN20050910_024052_000000522040_00361_18451_6629.N1	10-SEP-2005 02:40:52	Bright	52.000	82	48Bet UMa	2.3650	10600.	104	18451	No
28	GOM_NL__2PRFIN20050910_030947_000000462040_00361_18451_6630.N1	10-SEP-2005 03:09:47	Dark	45.500	65	Lam Vel	2.2040	4400.0	91	18451	No
29	GOM_NL__2PRFIN20050910_031301_000000382040_00361_18451_6631.N1	10-SEP-2005 03:13:01	Dark	38.000	46	Del Vel	1.9540	10600.	76	18451	No
30	GOM_NL__2PRFIN20050910_031430_000000482040_00361_18451_6632.N1	10-SEP-2005 03:14:30	Dark	47.500	41	Eps Car	1.8600	4100.0	95	18451	No
31	GOM_NL__2PRFIN20050910_032507_000000392040_00362_18452_6618.N1	10-SEP-2005 03:25:07	Dark	38.500	135	Bet Hyi	2.8200	5800.0	77	18452	No
32	GOM_NL__2PRFIN20050910_033041_000000392040_00362_18452_6619.N1	10-SEP-2005 03:30:41	Straylight	38.500	148	Alp Tuc	2.8780	4100.0	77	18452	No
33	GOM_NL__2PRFIN20050910_033423_000000372040_00362_18452_6620.N1	10-SEP-2005 03:34:23	Straylight	37.000	31	Alp Gru	1.7340	15200.	74	18452	No
34	GOM_NL__2PRFIN20050910_033711_000000362040_00362_18452_6621.N1	10-SEP-2005 03:37:11	Straylight	36.000	172	Gam Gru	3.0030	13100.	72	18452	No
35	GOM_NL__2PRFIN20050910_034308_000000522040_00362_18452_6622.N1	10-SEP-2005 03:43:08	Bright	52.000	142	49Del Cap	2.8500	8900.0	104	18452	No
36	GOM_NL__2PRFIN20050910_034613_000000372040_00362_18452_6623.N1	10-SEP-2005 03:46:13	Bright	37.000	154	22Bet Aqr	2.8990	5700.0	74	18452	No
37	GOM_NL__2PRFIN20050910_035734_000000352040_00362_18452_6624.N1	10-SEP-2005 03:57:34	Bright	34.500	92	53Eps Cyg	2.5000	4500.0	69	18452	No
38	GOM_NL__2PRFIN20050910_035936_000000352040_00362_18452_6625.N1	10-SEP-2005 03:59:36	Bright	35.000	66	37Gam Cyg	2.2080	5900.0	70	18452	No
39	GOM_NL__2PRFIN20050910_040135_000000362040_00362_18452_6626.N1	10-SEP-2005 04:01:35	Bright	35.500	144	18Del Cyg	2.8600	11000.	71	18452	No
40	GOM_NL__2PRFIN20050910_041332_000000362040_00362_18452_6627.N1	10-SEP-2005 04:13:32	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	18452	No
41	GOM_NL__2PRFIN20050910_042003_000000352040_00362_18452_6628.N1	10-SEP-2005 04:20:03	Bright	35.000	36	50Alp UMa	1.8000	6300.0	70	18452	No
42	GOM_NL__2PRFIN20050910_042128_000000522040_00362_18452_6629.N1	10-SEP-2005 04:21:28	Bright	52.000	82	48Bet UMa	2.3650	10600.	104	18452	No

161	GOM_NL__2PRFIN20050910_191859_000000382040_00371_18461_6649.N1	10-SEP-2005 19:18:59	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	18461	No
162	GOM_NL__2PRFIN20050910_192529_000000362040_00371_18461_6650.N1	10-SEP-2005 19:25:29	Bright	35.500	36	50Alp UMa	1.8000	6300.0	71	18461	No
163	GOM_NL__2PRFIN20050910_192654_000000352040_00371_18461_6651.N1	10-SEP-2005 19:26:54	Bright	35.000	82	48Bet UMa	2.3650	10600.	70	18461	No
164	GOM_NL__2PRFIN20050910_195547_000000422040_00371_18461_6652.N1	10-SEP-2005 19:55:47	Dark	41.500	65	Lam Vel	2.2040	4400.0	83	18461	No
165	GOM_NL__2PRFIN20050910_195902_000000372040_00371_18461_6653.N1	10-SEP-2005 19:59:02	Dark	36.500	46	Del Vel	1.9540	10600.	73	18461	No
166	GOM_NL__2PRFIN20050910_200031_000000472040_00371_18461_6654.N1	10-SEP-2005 20:00:31	Dark	46.500	41	Eps Car	1.8600	4100.0	93	18461	No
167	GOM_NL__2PRFIN20050910_201108_000000372040_00372_18462_6640.N1	10-SEP-2005 20:11:08	Dark	36.500	135	Bet Hyi	2.8200	5800.0	73	18462	No
168	GOM_NL__2PRFIN20050910_202312_000000382040_00372_18462_6641.N1	10-SEP-2005 20:23:12	Dark	37.500	172	Gam Gru	3.0030	13100.	75	18462	Yes
169	GOM_NL__2PRFIN20050910_202909_000000522040_00372_18462_6642.N1	10-SEP-2005 20:29:09	Bright	52.000	142	49Del Cap	2.8500	8900.0	104	18462	No
170	GOM_NL__2PRFIN20050910_203214_000000362040_00372_18462_6643.N1	10-SEP-2005 20:32:14	Bright	35.500	154	22Bet Aqr	2.8990	5700.0	71	18462	No
171	GOM_NL__2PRFIN20050910_204336_000000362040_00372_18462_6644.N1	10-SEP-2005 20:43:36	Bright	35.500	92	53Eps Cyg	2.5000	4500.0	71	18462	No
172	GOM_NL__2PRFIN20050910_204538_000000362040_00372_18462_6645.N1	10-SEP-2005 20:45:38	Bright	36.000	66	37Gam Cyg	2.2080	5900.0	72	18462	No
173	GOM_NL__2PRFIN20050910_204738_000000362040_00372_18462_6646.N1	10-SEP-2005 20:47:38	Bright	36.000	144	18Del Cyg	2.8600	11000.	72	18462	No
174	GOM_NL__2PRFIN20050910_205935_000000372040_00372_18462_6647.N1	10-SEP-2005 20:59:35	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	18462	No
175	GOM_NL__2PRFIN20050910_210605_000000342040_00372_18462_6648.N1	10-SEP-2005 21:06:05	Bright	33.500	36	50Alp UMa	1.8000	6300.0	67	18462	No
176	GOM_NL__2PRFIN20050910_210730_000000342040_00372_18462_6649.N1	10-SEP-2005 21:07:30	Bright	33.500	82	48Bet UMa	2.3650	10600.	67	18462	No
177	GOM_NL__2PRFIN20050910_213623_000000452040_00372_18462_6650.N1	10-SEP-2005 21:36:23	Dark	44.500	65	Lam Vel	2.2040	4400.0	89	18462	No
178	GOM_NL__2PRFIN20050910_213938_000000412040_00372_18462_6651.N1	10-SEP-2005 21:39:38	Dark	41.000	46	Del Vel	1.9540	10600.	82	18462	No
179	GOM_NL__2PRFIN20050910_214107_000000422040_00372_18462_6652.N1	10-SEP-2005 21:41:07	Dark	42.000	41	Eps Car	1.8600	4100.0	84	18462	No
180	GOM_NL__2PRFIN20050910_215144_000000372040_00373_18463_6640.N1	10-SEP-2005 21:51:44	Dark	37.000	135	Bet Hyi	2.8200	5800.0	74	18463	No
181	GOM_NL__2PRFIN20050910_215718_000000392040_00373_18463_6641.N1	10-SEP-2005 21:57:18	Straylight	38.500	148	Alp Tuc	2.8780	4100.0	77	18463	No
182	GOM_NL__2PRFIN20050910_220101_000000412040_00373_18463_6642.N1	10-SEP-2005 22:01:01	Straylight	40.500	31	Alp Gru	1.7340	15200.	81	18463	No
183	GOM_NL__2PRFIN20050910_220348_000000362040_00373_18463_6643.N1	10-SEP-2005 22:03:48	Straylight	36.000	172	Gam Gru	3.0030	13100.	72	18463	No
184	GOM_NL__2PRFIN20050910_220945_000000382040_00373_18463_6644.N1	10-SEP-2005 22:09:45	Tw_i_and_stray	38.000	142	49Del Cap	2.8500	8900.0	76	18463	No
185	GOM_NL__2PRFIN20050910_221250_000000362040_00373_18463_6645.N1	10-SEP-2005 22:12:50	Bright	36.000	154	22Bet Aqr	2.8990	5700.0	72	18463	No
186	GOM_NL__2PRFIN20050910_222412_000000362040_00373_18463_6646.N1	10-SEP-2005 22:24:12	Bright	36.000	92	53Eps Cyg	2.5000	4500.0	72	18463	No
187	GOM_NL__2PRFIN20050910_222614_000000362040_00373_18463_6647.N1	10-SEP-2005 22:26:14	Bright	36.000	66	37Gam Cyg	2.2080	5900.0	72	18463	No
188	GOM_NL__2PRFIN20050910_222815_000000362040_00373_18463_6648.N1	10-SEP-2005 22:28:15	Bright	36.000	144	18Del Cyg	2.8600	11000.	72	18463	No
189	GOM_NL__2PRFIN20050910_224011_000000382040_00373_18463_6649.N1	10-SEP-2005 22:40:11	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	18463	No
190	GOM_NL__2PRFIN20050910_224641_000000362040_00373_18463_6650.N1	10-SEP-2005 22:46:41	Bright	36.000	36	50Alp UMa	1.8000	6300.0	72	18463	No
191	GOM_NL__2PRFIN20050910_224806_000000352040_00373_18463_6651.N1	10-SEP-2005 22:48:06	Bright	35.000	82	48Bet UMa	2.3650	10600.	70	18463	No
192	GOM_NL__2PRFIN20050910_231659_000000422040_00373_18463_6652.N1	10-SEP-2005 23:16:59	Dark	42.000	65	Lam Vel	2.2040	4400.0	84	18463	No
193	GOM_NL__2PRFIN20050910_232014_000000362040_00373_18463_6653.N1	10-SEP-2005 23:20:14	Dark	35.500	46	Del Vel	1.9540	10600.	71	18463	No
194	GOM_NL__2PRFIN20050910_232144_000000452040_00373_18463_6654.N1	10-SEP-2005 23:21:44	Dark	44.500	41	Eps Car	1.8600	4100.0	89	18463	No
195	GOM_NL__2PRFIN20050910_233220_000000372040_00374_18464_6640.N1	10-SEP-2005 23:32:20	Dark	37.000	135	Bet Hyi	2.8200	5800.0	74	18464	No
196	GOM_NL__2PRFIN20050910_233754_000000392040_00374_18464_6641.N1	10-SEP-2005 23:37:54	Straylight	38.500	148	Alp Tuc	2.8780	4100.0	77	18464	No
197	GOM_NL__2PRFIN20050910_234137_000000402040_00374_18464_6642.N1	10-SEP-2005 23:41:37	Straylight	39.500	31	Alp Gru	1.7340	15200.	79	18464	No
198	GOM_NL__2PRFIN20050910_234424_000000372040_00374_18464_6643.N1	10-SEP-2005 23:44:24	Straylight	36.500	172	Gam Gru	3.0030	13100.	73	18464	No
199	GOM_NL__2PRFIN20050910_235021_000000402040_00374_18464_6644.N1	10-SEP-2005 23:50:21	Tw_i_and_stray	40.000	142	49Del Cap	2.8500	8900.0	80	18464	No
200	GOM_NL__2PRFIN20050910_235326_000000372040_00374_18464_6645.N1	10-SEP-2005 23:53:26	Bright	37.000	154	22Bet Aqr	2.8990	5700.0	74	18464	No

3. Quality information per product

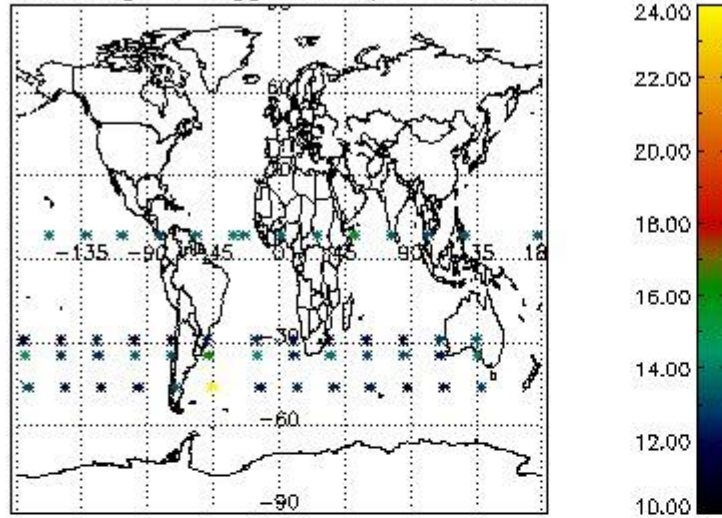
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

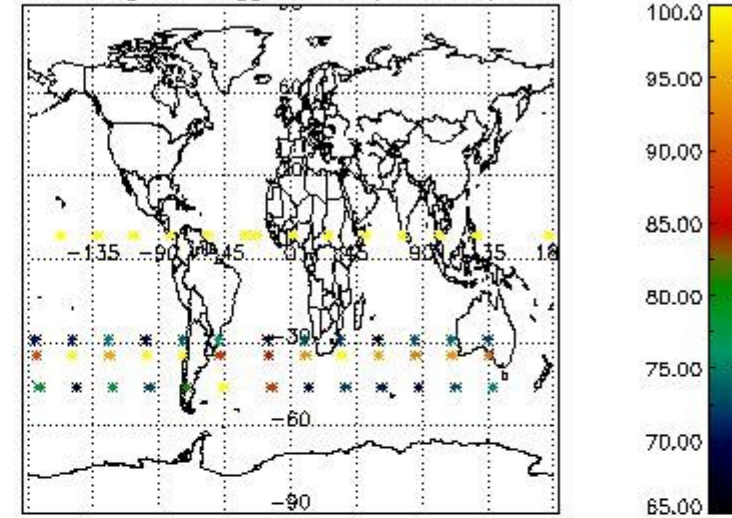


3.2 Plot quality information per product (world map)

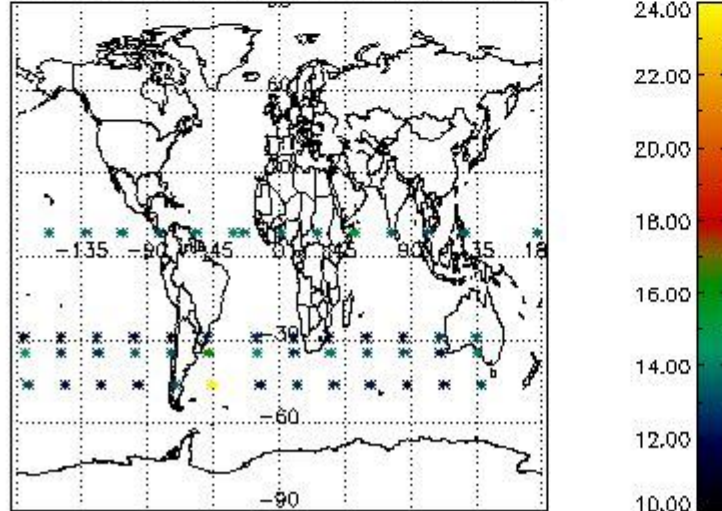
Percentage of flagged data per O3 profile



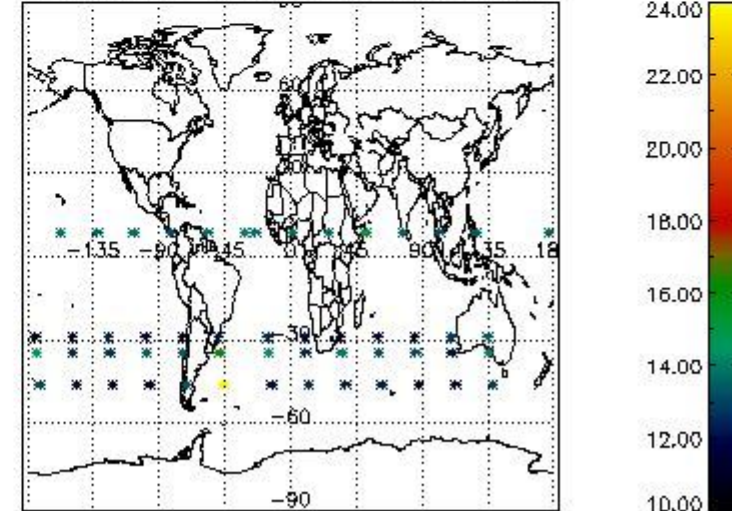
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

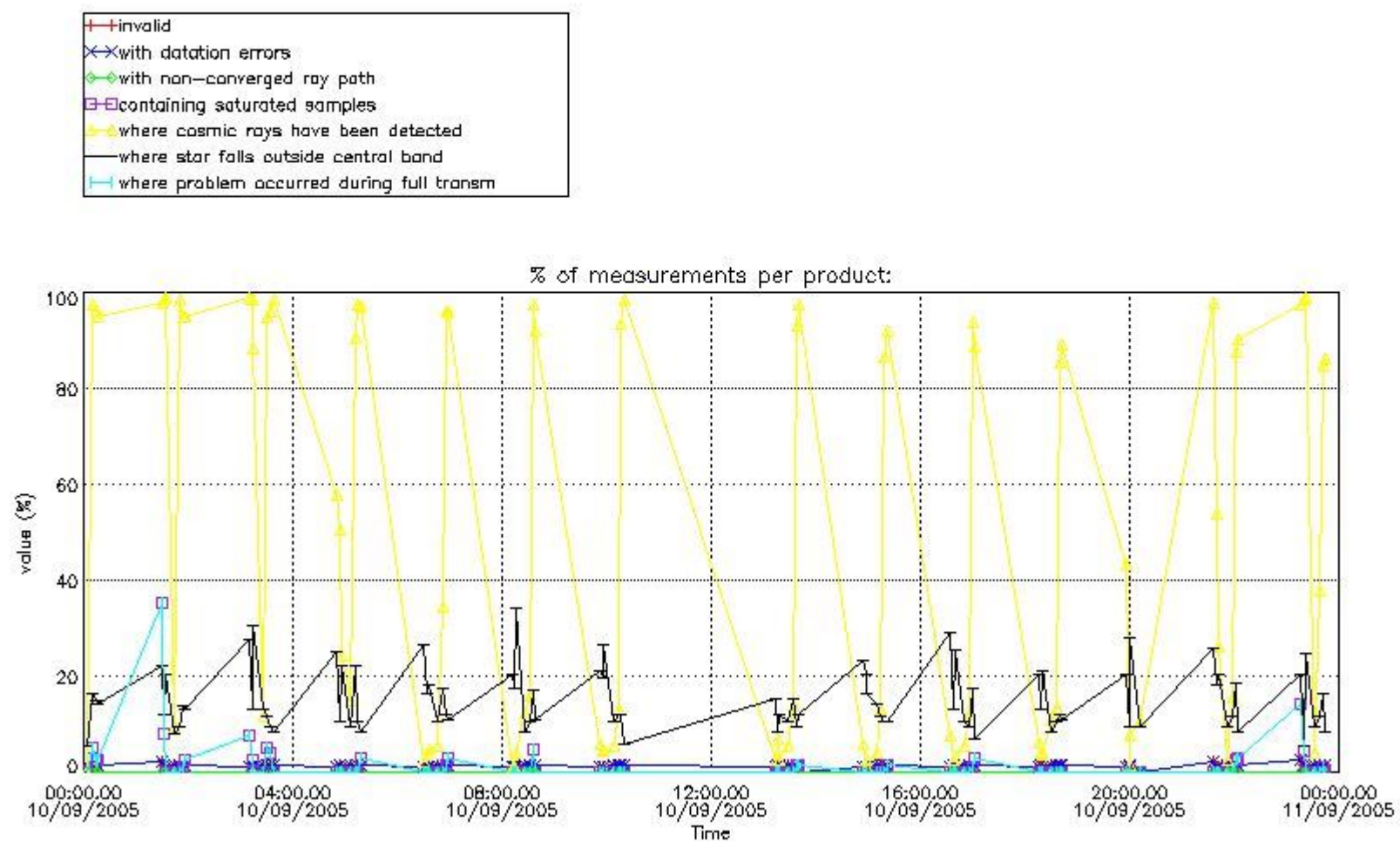


4. Level 1 quality information per product

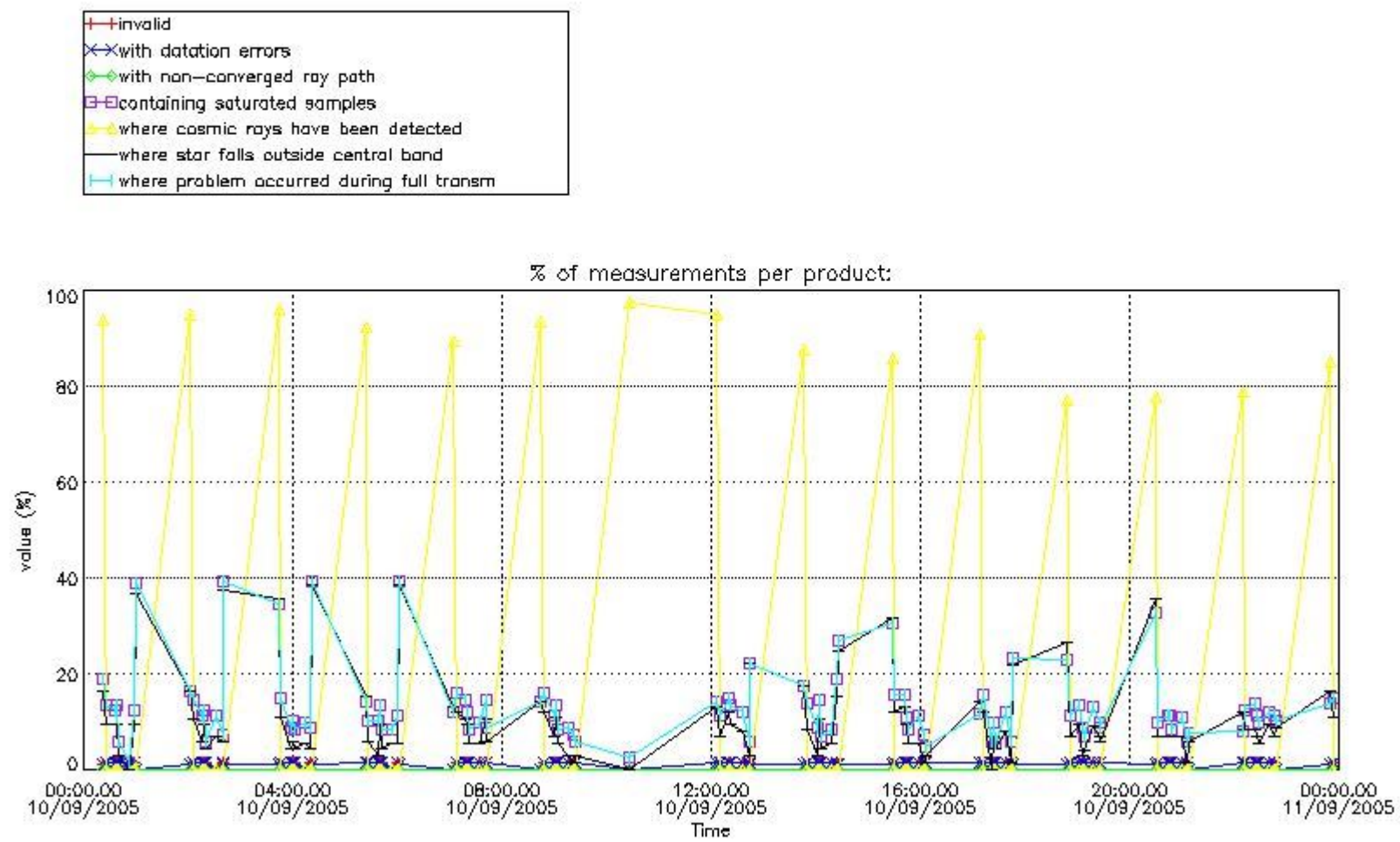
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



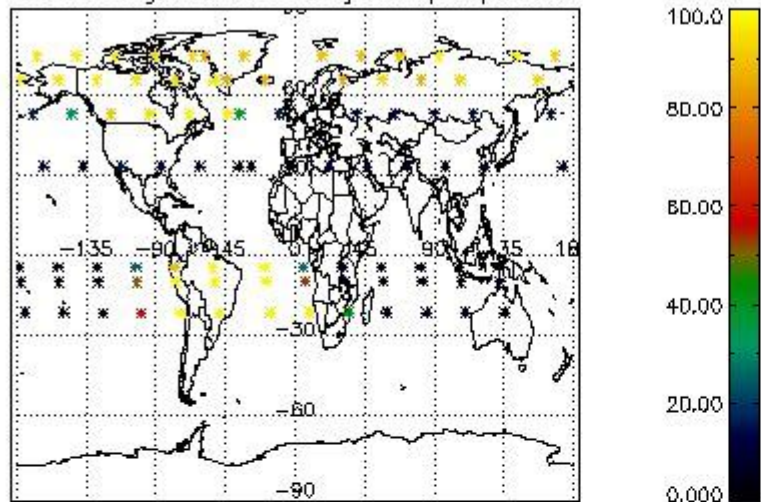
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



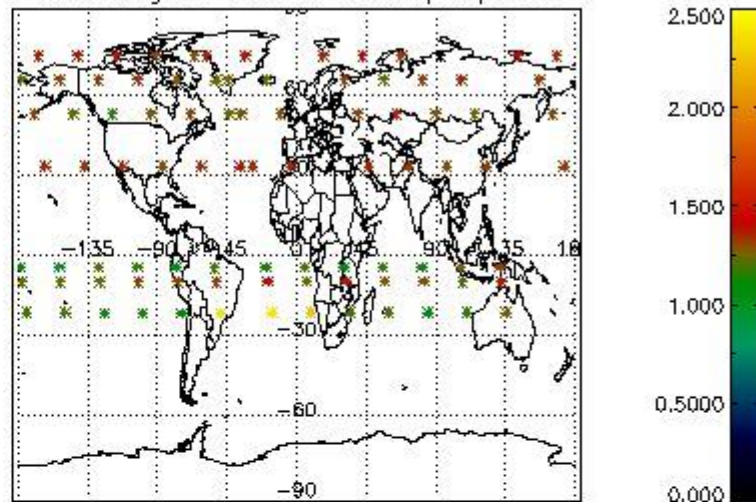
4.2 Plot quality information per product coming from level 1b processing (world map)

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

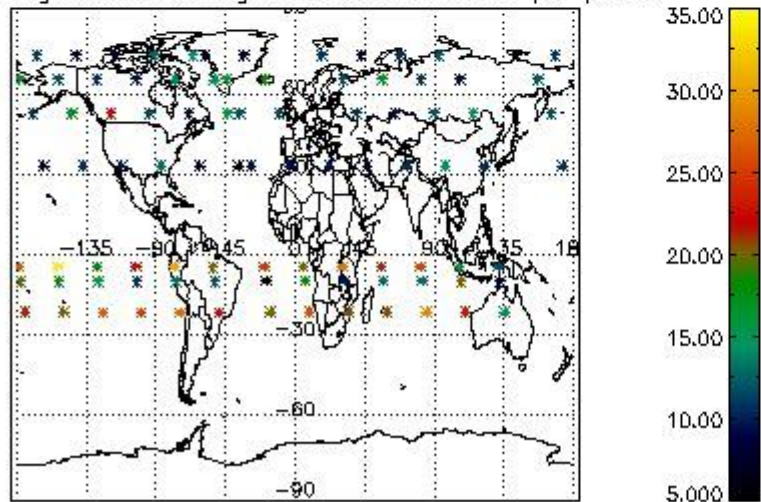
Percentage of cosmic ray hits per profile



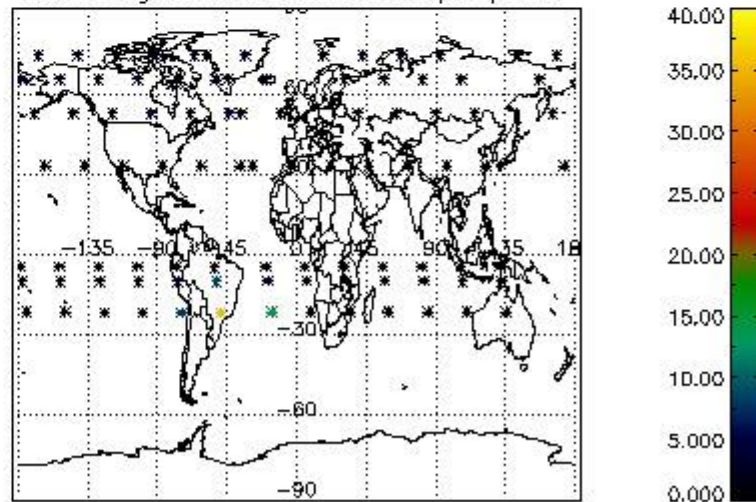
Percentage of datation errors per profile



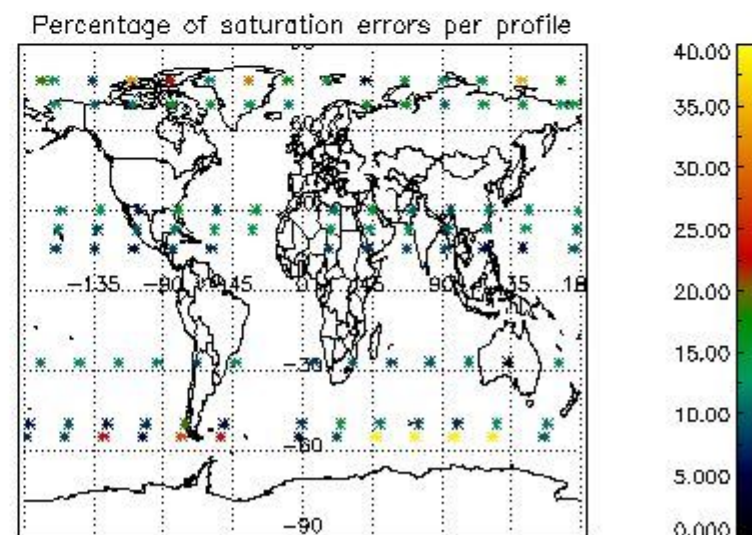
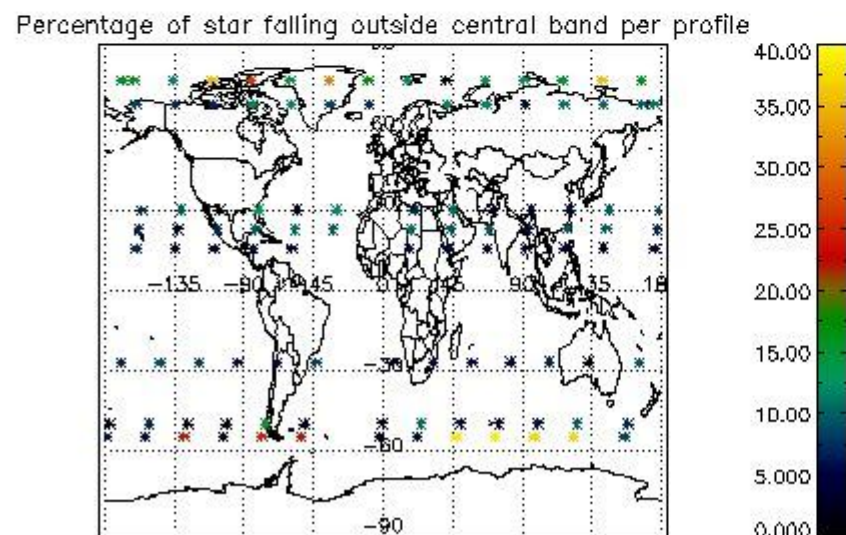
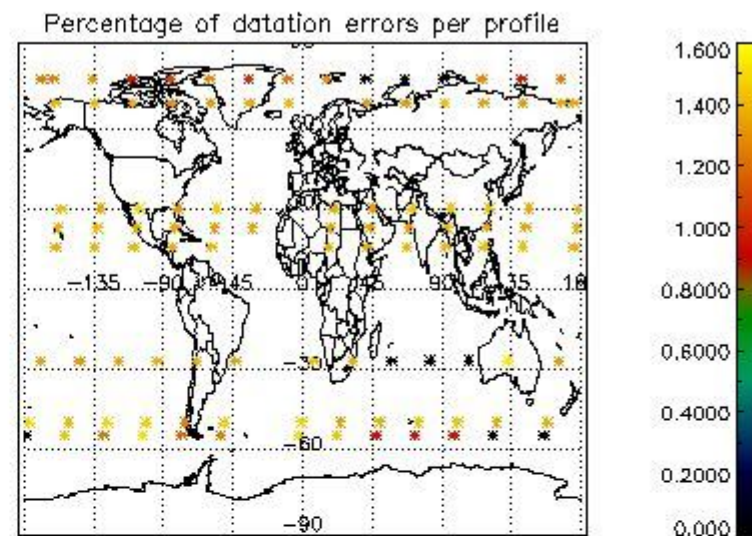
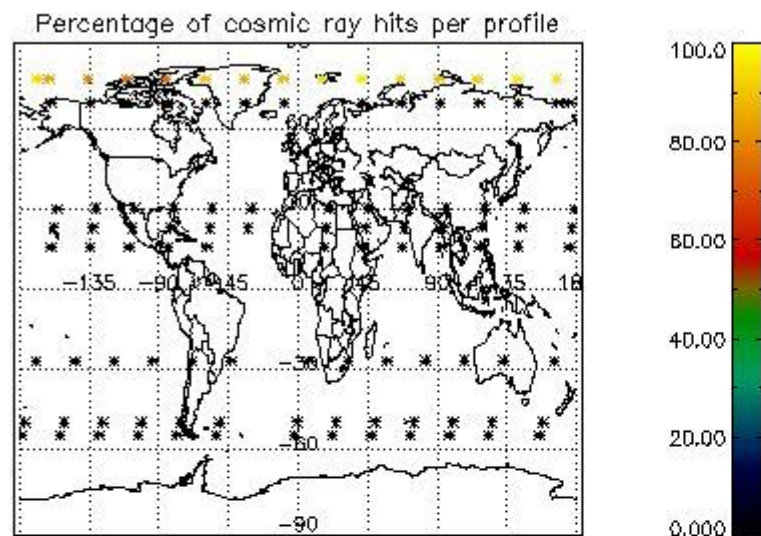
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

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

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

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

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

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

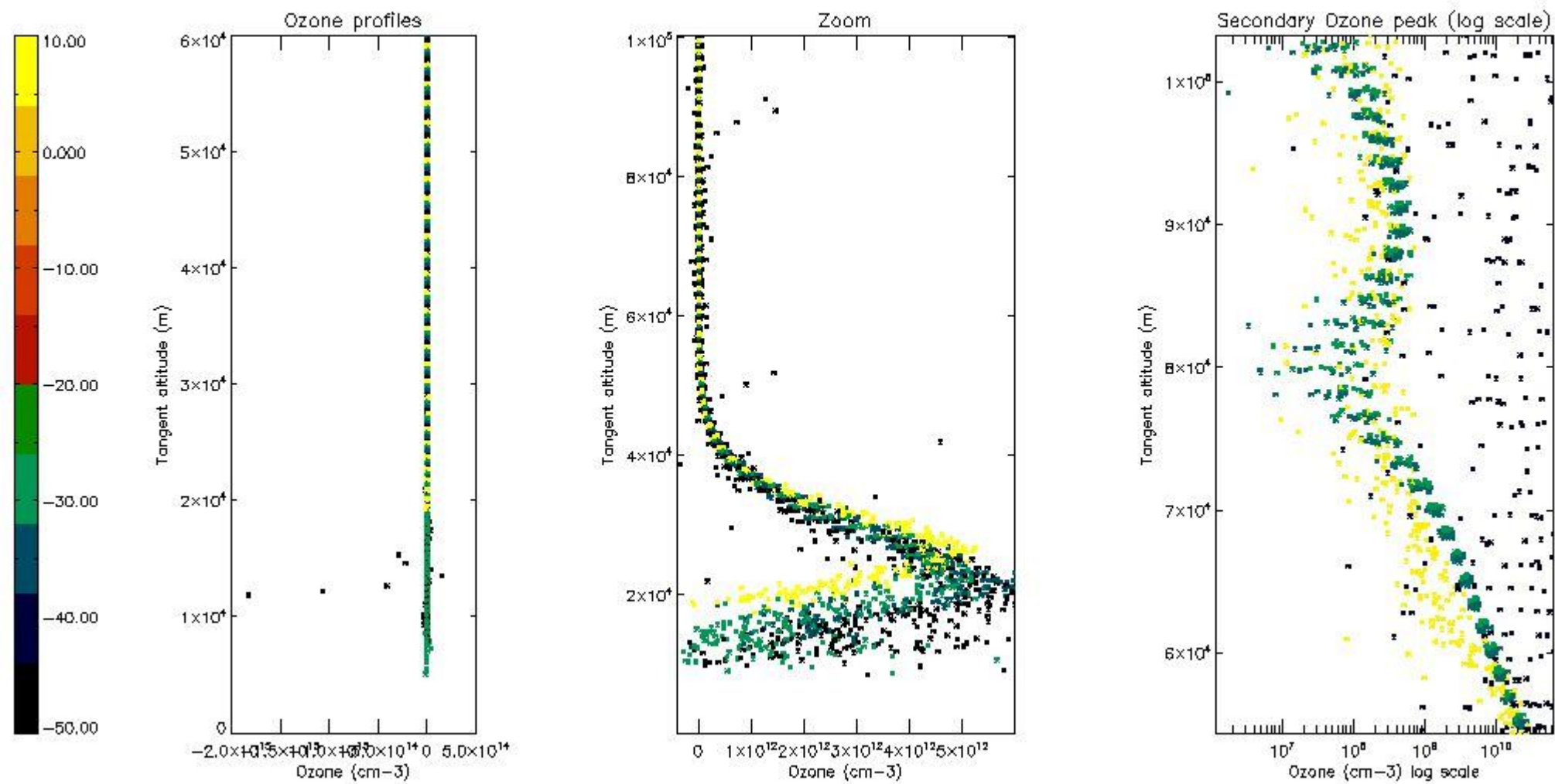
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	29
STD < 20	13

STD < 10	9
STD < 5	3

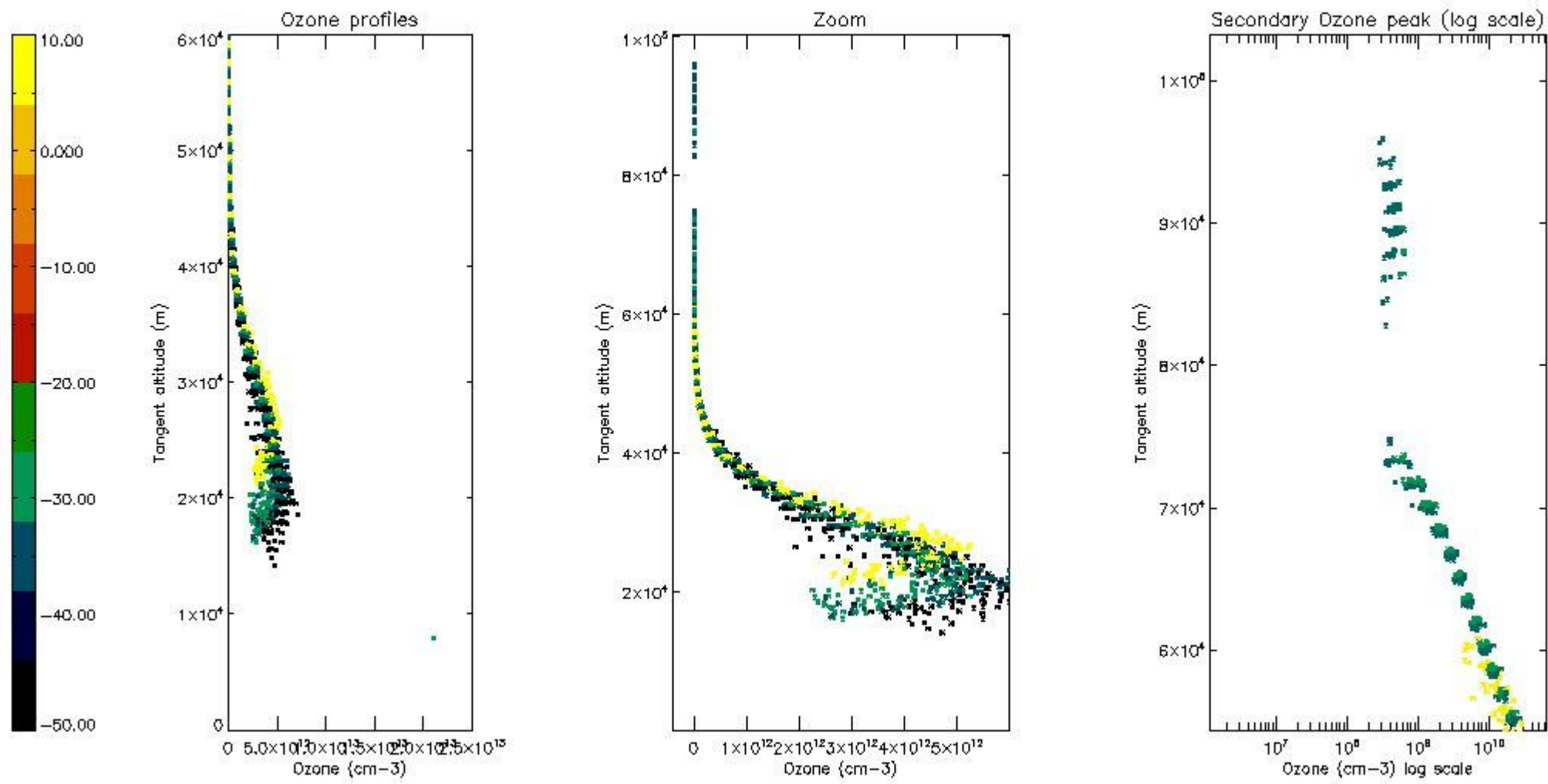
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



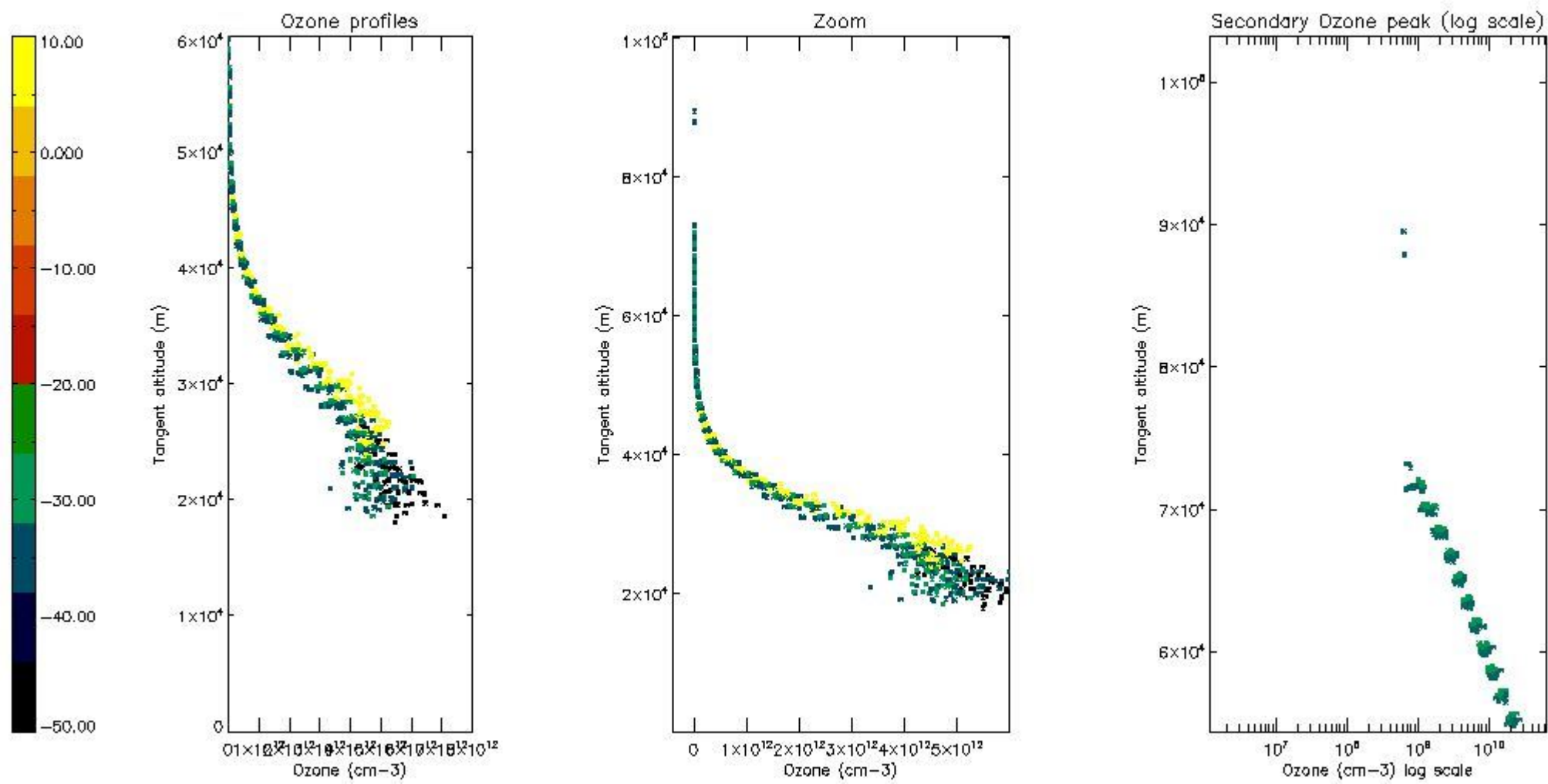
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



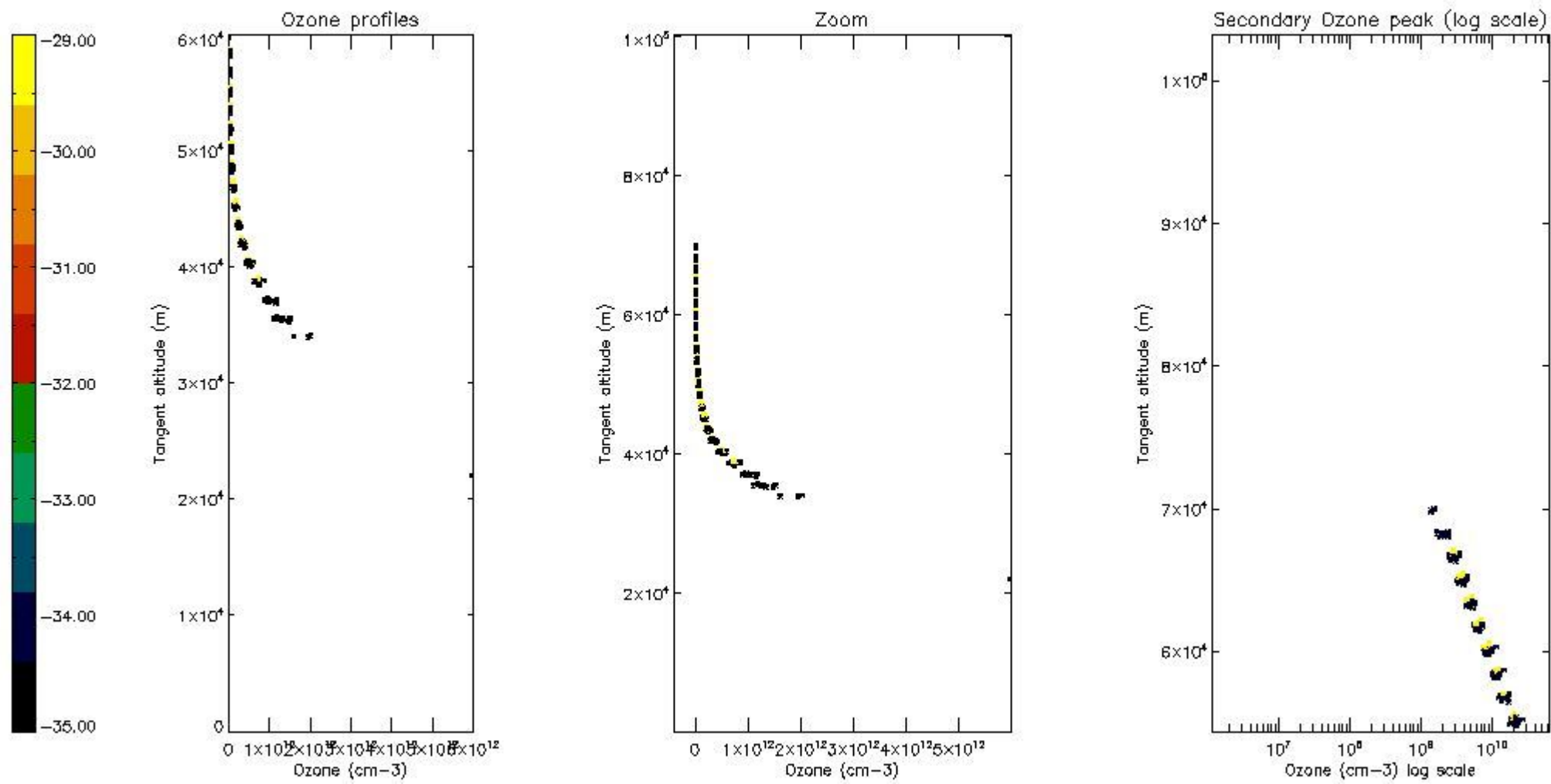
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



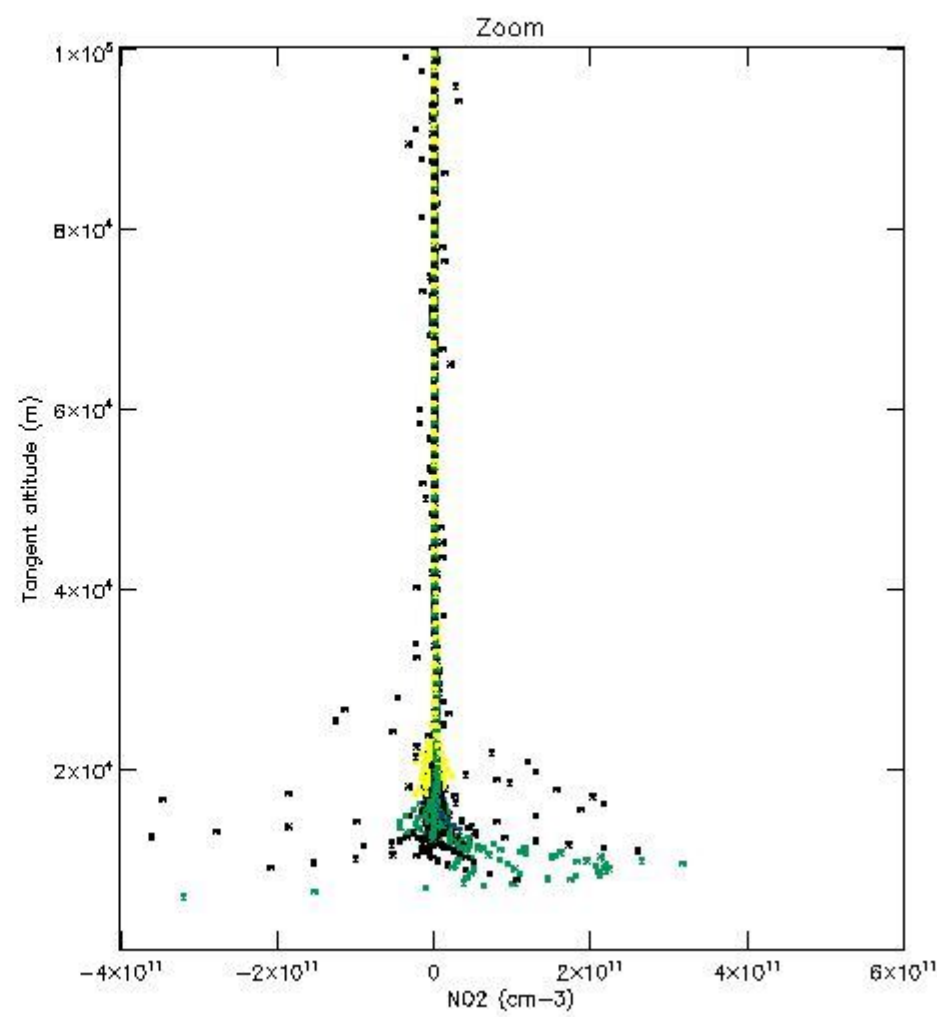
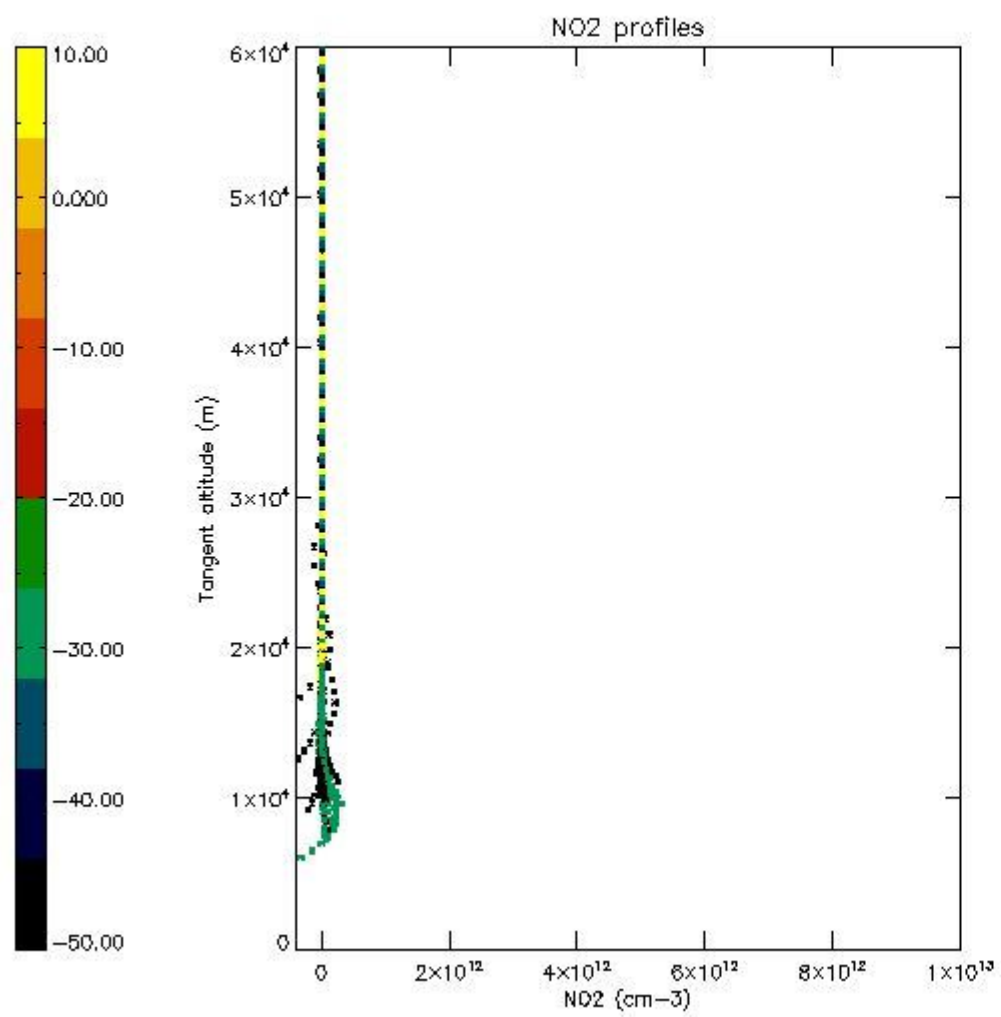
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



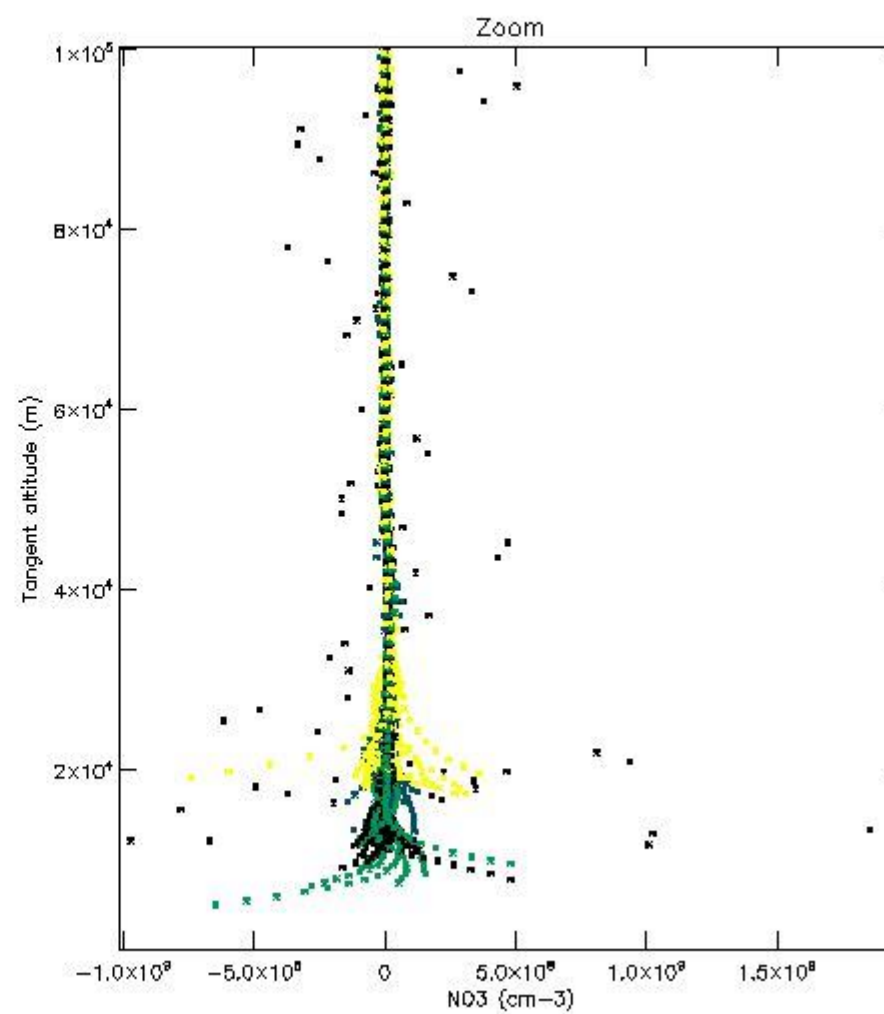
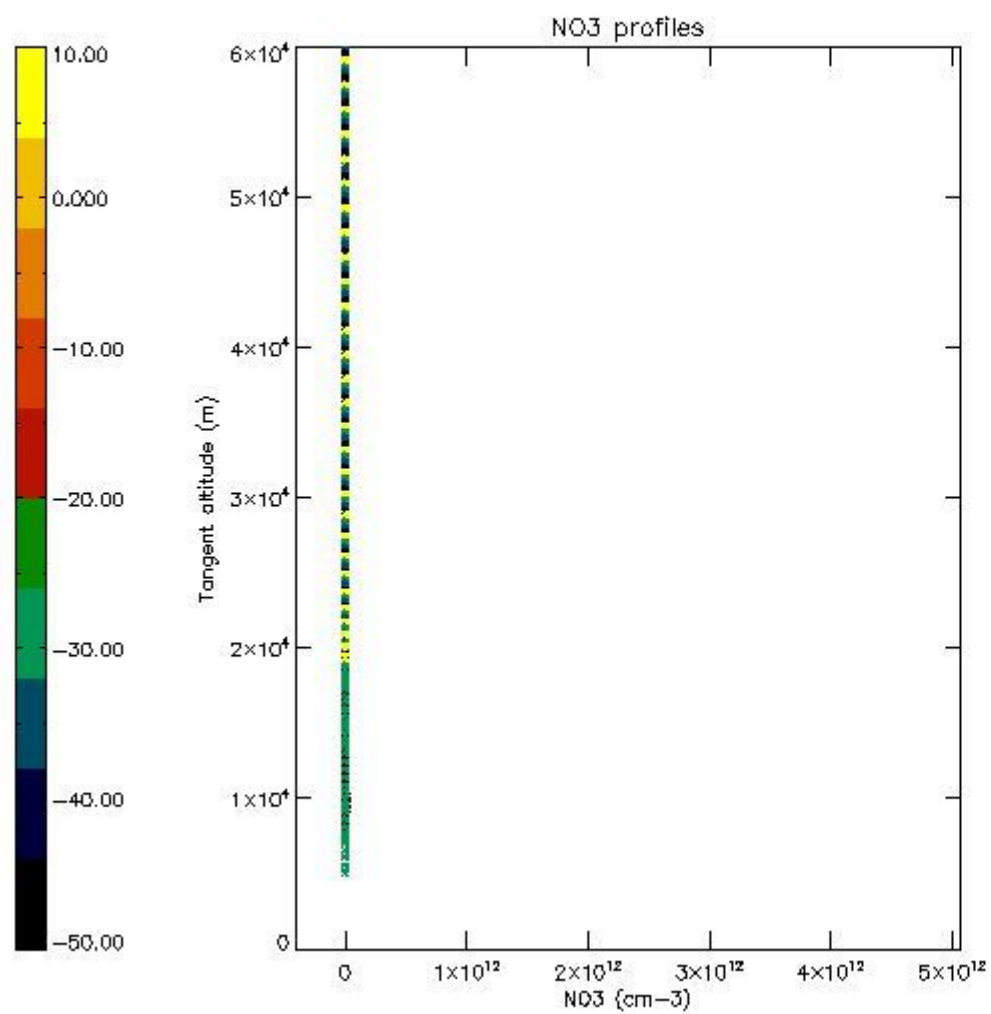
5.6 Plot NO₂ profiles for all STD (dark without errors)

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	10-SEP-2005 00:03:54
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	10-SEP-2005 00:03:54
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	10-SEP-2005 00:03:54

GOMOS Level 2 Daily Report

SUMMARY

[1. General Info](#)

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

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

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

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

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

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[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 10:51:32
Data source version	GOMOS/6.01
Start time of products	10-09-2005 (10SEP2005 00:00:00)
Stop time of products	11-09-2005 (11SEP2005 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	200
Nb of prods with errors	2

2. Summary of processed GOM_NL__2P products.

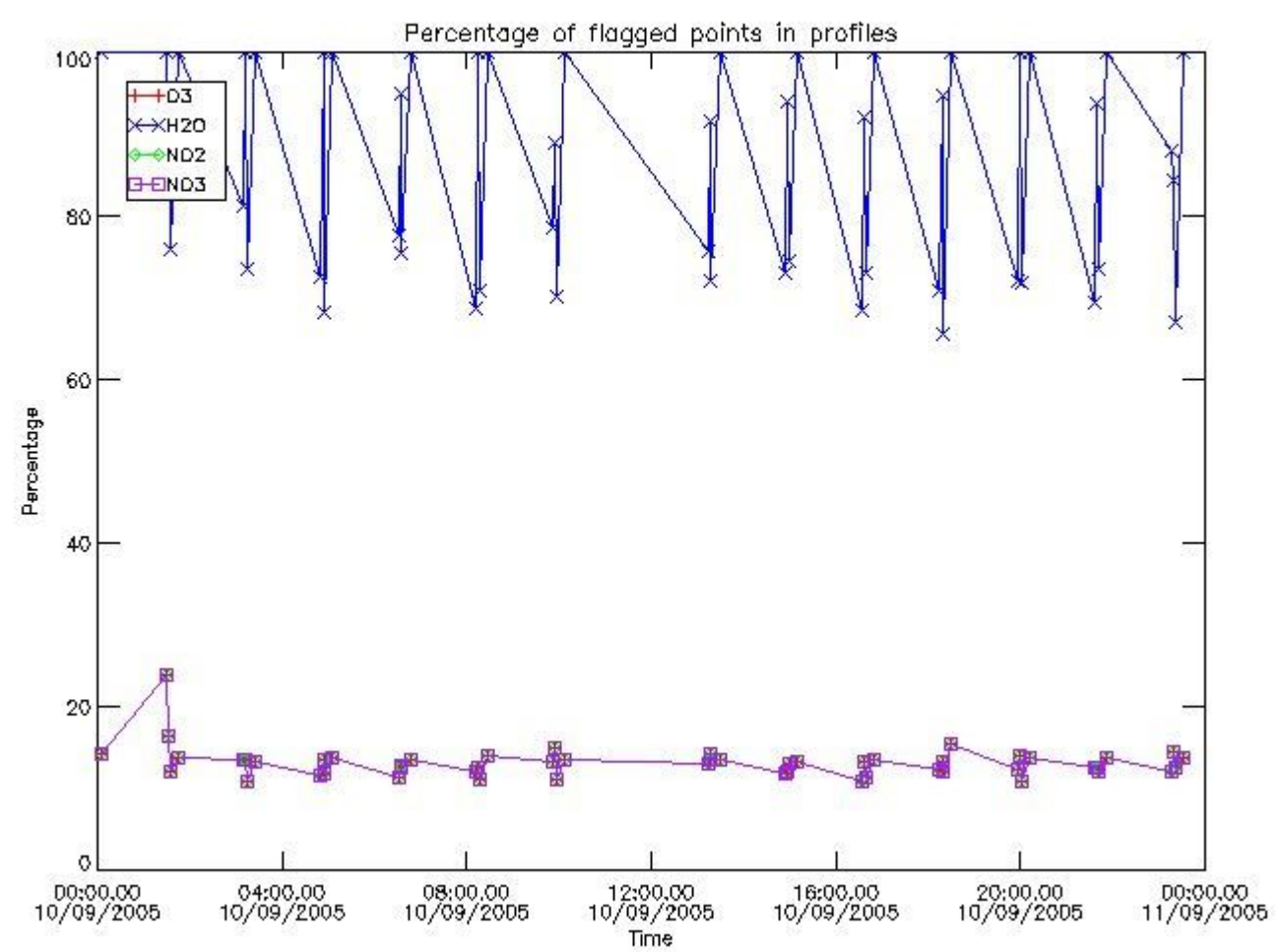
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20050910_000354_000000362040_00360_18450_6618.N1	10-SEP-2005 00:03:54	Dark	36.000	135	Bet Hyi	2.8200	5800.0	72	18450	No
2	GOM_NL__2PRFIN20050910_000929_000000402040_00360_18450_6619.N1	10-SEP-2005 00:09:29	Straylight	40.000	148	Alp Tuc	2.8780	4100.0	80	18450	No
3	GOM_NL__2PRFIN20050910_001311_000000402040_00360_18450_6620.N1	10-SEP-2005 00:13:11	Straylight	40.000	31	Alp Gru	1.7340	15200.	80	18450	No
4	GOM_NL__2PRFIN20050910_001558_000000392040_00360_18450_6621.N1	10-SEP-2005 00:15:58	Straylight	38.500	172	Gam Gru	3.0030	13100.	77	18450	No
5	GOM_NL__2PRFIN20050910_002156_000000402040_00360_18450_6622.N1	10-SEP-2005 00:21:56	Bright	40.000	142	49Del Cap	2.8500	8900.0	80	18450	No
6	GOM_NL__2PRFIN20050910_002501_000000372040_00360_18450_6623.N1	10-SEP-2005 00:25:01	Bright	37.000	154	22Bet Aqr	2.8990	5700.0	74	18450	No
7	GOM_NL__2PRFIN20050910_003622_000000372040_00360_18450_6624.N1	10-SEP-2005 00:36:22	Bright	36.500	92	53Eps Cyg	2.5000	4500.0	73	18450	No
8	GOM_NL__2PRFIN20050910_003823_000000372040_00360_18450_6625.N1	10-SEP-2005 00:38:23	Bright	37.000	66	37Gam Cyg	2.2080	5900.0	74	18450	No
9	GOM_NL__2PRFIN20050910_004022_000000352040_00360_18450_6626.N1	10-SEP-2005 00:40:22	Bright	35.000	144	18Del Cyg	2.8600	11000.	70	18450	No
10	GOM_NL__2PRFIN20050910_005220_000000332040_00360_18450_6627.N1	10-SEP-2005 00:52:20	Bright	32.500	60	7Bet UMi	2.0810	3950.0	65	18450	No
11	GOM_NL__2PRFIN20050910_005851_000000372040_00360_18450_6628.N1	10-SEP-2005 00:58:51	Bright	36.500	36	50Alp UMa	1.8000	6300.0	73	18450	No
12	GOM_NL__2PRFIN20050910_010015_000000522040_00360_18450_6629.N1	10-SEP-2005 01:00:15	Bright	51.500	82	48Bet UMa	2.3650	10600.	103	18450	No
13	GOM_NL__2PRFIN20050910_012911_000000432040_00360_18450_6630.N1	10-SEP-2005 01:29:11	Dark	42.500	65	Lam Vel	2.2040	4400.0	85	18450	No
14	GOM_NL__2PRFIN20050910_013225_000000382040_00360_18450_6631.N1	10-SEP-2005 01:32:25	Dark	37.500	46	Del Vel	1.9540	10600.	75	18450	No
15	GOM_NL__2PRFIN20050910_013354_000000422040_00360_18450_6632.N1	10-SEP-2005 01:33:54	Dark	42.000	41	Eps Car	1.8600	4100.0	84	18450	No
16	GOM_NL__2PRFIN20050910_014430_000000372040_00361_18451_6618.N1	10-SEP-2005 01:44:30	Dark	37.000	135	Bet Hyi	2.8200	5800.0	74	18451	No
17	GOM_NL__2PRFIN20050910_015005_000000382040_00361_18451_6619.N1	10-SEP-2005 01:50:05	Straylight	37.500	148	Alp Tuc	2.8780	4100.0	75	18451	No
18	GOM_NL__2PRFIN20050910_015347_000000402040_00361_18451_6620.N1	10-SEP-2005 01:53:47	Straylight	39.500	31	Alp Gru	1.7340	15200.	79	18451	No
19	GOM_NL__2PRFIN20050910_015634_000000392040_00361_18451_6621.N1	10-SEP-2005 01:56:34	Straylight	38.500	172	Gam Gru	3.0030	13100.	77	18451	No
20	GOM_NL__2PRFIN20050910_020232_000000402040_00361_18451_6622.N1	10-SEP-2005 02:02:32	Bright	40.000	142	49Del Cap	2.8500	8900.0	80	18451	No
21	GOM_NL__2PRFIN20050910_020537_000000382040_00361_18451_6623.N1	10-SEP-2005 02:05:37	Bright	37.500	154	22Bet Aqr	2.8990	5700.0	75	18451	No
22	GOM_NL__2PRFIN20050910_021658_000000352040_00361_18451_6624.N1	10-SEP-2005 02:16:58	Bright	35.000	92	53Eps Cyg	2.5000	4500.0	70	18451	No
23	GOM_NL__2PRFIN20050910_021859_000000372040_00361_18451_6625.N1	10-SEP-2005 02:18:59	Bright	36.500	66	37Gam Cyg	2.2080	5900.0	73	18451	No
24	GOM_NL__2PRFIN20050910_022059_000000352040_00361_18451_6626.N1	10-SEP-2005 02:20:59	Bright	35.000	144	18Del Cyg	2.8600	11000.	70	18451	No
25	GOM_NL__2PRFIN20050910_023256_000000362040_00361_18451_6627.N1	10-SEP-2005 02:32:56	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	18451	No
26	GOM_NL__2PRFIN20050910_023927_000000352040_00361_18451_6628.N1	10-SEP-2005 02:39:27	Bright	34.500	36	50Alp UMa	1.8000	6300.0	69	18451	No
27	GOM_NL__2PRFIN20050910_024052_000000522040_00361_18451_6629.N1	10-SEP-2005 02:40:52	Bright	52.000	82	48Bet UMa	2.3650	10600.	104	18451	No
28	GOM_NL__2PRFIN20050910_030947_000000462040_00361_18451_6630.N1	10-SEP-2005 03:09:47	Dark	45.500	65	Lam Vel	2.2040	4400.0	91	18451	No
29	GOM_NL__2PRFIN20050910_031301_000000382040_00361_18451_6631.N1	10-SEP-2005 03:13:01	Dark	38.000	46	Del Vel	1.9540	10600.	76	18451	No
30	GOM_NL__2PRFIN20050910_031430_000000482040_00361_18451_6632.N1	10-SEP-2005 03:14:30	Dark	47.500	41	Eps Car	1.8600	4100.0	95	18451	No
31	GOM_NL__2PRFIN20050910_032507_000000392040_00362_18452_6618.N1	10-SEP-2005 03:25:07	Dark	38.500	135	Bet Hyi	2.8200	5800.0	77	18452	No
32	GOM_NL__2PRFIN20050910_033041_000000392040_00362_18452_6619.N1	10-SEP-2005 03:30:41	Straylight	38.500	148	Alp Tuc	2.8780	4100.0	77	18452	No
33	GOM_NL__2PRFIN20050910_033423_000000372040_00362_18452_6620.N1	10-SEP-2005 03:34:23	Straylight	37.000	31	Alp Gru	1.7340	15200.	74	18452	No
34	GOM_NL__2PRFIN20050910_033711_000000362040_00362_18452_6621.N1	10-SEP-2005 03:37:11	Straylight	36.000	172	Gam Gru	3.0030	13100.	72	18452	No
35	GOM_NL__2PRFIN20050910_034308_000000522040_00362_18452_6622.N1	10-SEP-2005 03:43:08	Bright	52.000	142	49Del Cap	2.8500	8900.0	104	18452	No
36	GOM_NL__2PRFIN20050910_034613_000000372040_00362_18452_6623.N1	10-SEP-2005 03:46:13	Bright	37.000	154	22Bet Aqr	2.8990	5700.0	74	18452	No
37	GOM_NL__2PRFIN20050910_035734_000000352040_00362_18452_6624.N1	10-SEP-2005 03:57:34	Bright	34.500	92	53Eps Cyg	2.5000	4500.0	69	18452	No
38	GOM_NL__2PRFIN20050910_035936_000000352040_00362_18452_6625.N1	10-SEP-2005 03:59:36	Bright	35.000	66	37Gam Cyg	2.2080	5900.0	70	18452	No
39	GOM_NL__2PRFIN20050910_040135_000000362040_00362_18452_6626.N1	10-SEP-2005 04:01:35	Bright	35.500	144	18Del Cyg	2.8600	11000.	71	18452	No
40	GOM_NL__2PRFIN20050910_041332_000000362040_00362_18452_6627.N1	10-SEP-2005 04:13:32	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	18452	No
41	GOM_NL__2PRFIN20050910_042003_000000352040_00362_18452_6628.N1	10-SEP-2005 04:20:03	Bright	35.000	36	50Alp UMa	1.8000	6300.0	70	18452	No
42	GOM_NL__2PRFIN20050910_042128_000000522040_00362_18452_6629.N1	10-SEP-2005 04:21:28	Bright	52.000	82	48Bet UMa	2.3650	10600.	104	18452	No

161	GOM_NL__2PRFIN20050910_191859_000000382040_00371_18461_6649.N1	10-SEP-2005 19:18:59	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	18461	No
162	GOM_NL__2PRFIN20050910_192529_000000362040_00371_18461_6650.N1	10-SEP-2005 19:25:29	Bright	35.500	36	50Alp UMa	1.8000	6300.0	71	18461	No
163	GOM_NL__2PRFIN20050910_192654_000000352040_00371_18461_6651.N1	10-SEP-2005 19:26:54	Bright	35.000	82	48Bet UMa	2.3650	10600.	70	18461	No
164	GOM_NL__2PRFIN20050910_195547_000000422040_00371_18461_6652.N1	10-SEP-2005 19:55:47	Dark	41.500	65	Lam Vel	2.2040	4400.0	83	18461	No
165	GOM_NL__2PRFIN20050910_195902_000000372040_00371_18461_6653.N1	10-SEP-2005 19:59:02	Dark	36.500	46	Del Vel	1.9540	10600.	73	18461	No
166	GOM_NL__2PRFIN20050910_200031_000000472040_00371_18461_6654.N1	10-SEP-2005 20:00:31	Dark	46.500	41	Eps Car	1.8600	4100.0	93	18461	No
167	GOM_NL__2PRFIN20050910_201108_000000372040_00372_18462_6640.N1	10-SEP-2005 20:11:08	Dark	36.500	135	Bet Hyi	2.8200	5800.0	73	18462	No
168	GOM_NL__2PRFIN20050910_202312_000000382040_00372_18462_6641.N1	10-SEP-2005 20:23:12	Dark	37.500	172	Gam Gru	3.0030	13100.	75	18462	Yes
169	GOM_NL__2PRFIN20050910_202909_000000522040_00372_18462_6642.N1	10-SEP-2005 20:29:09	Bright	52.000	142	49Del Cap	2.8500	8900.0	104	18462	No
170	GOM_NL__2PRFIN20050910_203214_000000362040_00372_18462_6643.N1	10-SEP-2005 20:32:14	Bright	35.500	154	22Bet Aqr	2.8990	5700.0	71	18462	No
171	GOM_NL__2PRFIN20050910_204336_000000362040_00372_18462_6644.N1	10-SEP-2005 20:43:36	Bright	35.500	92	53Eps Cyg	2.5000	4500.0	71	18462	No
172	GOM_NL__2PRFIN20050910_204538_000000362040_00372_18462_6645.N1	10-SEP-2005 20:45:38	Bright	36.000	66	37Gam Cyg	2.2080	5900.0	72	18462	No
173	GOM_NL__2PRFIN20050910_204738_000000362040_00372_18462_6646.N1	10-SEP-2005 20:47:38	Bright	36.000	144	18Del Cyg	2.8600	11000.	72	18462	No
174	GOM_NL__2PRFIN20050910_205935_000000372040_00372_18462_6647.N1	10-SEP-2005 20:59:35	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	18462	No
175	GOM_NL__2PRFIN20050910_210605_000000342040_00372_18462_6648.N1	10-SEP-2005 21:06:05	Bright	33.500	36	50Alp UMa	1.8000	6300.0	67	18462	No
176	GOM_NL__2PRFIN20050910_210730_000000342040_00372_18462_6649.N1	10-SEP-2005 21:07:30	Bright	33.500	82	48Bet UMa	2.3650	10600.	67	18462	No
177	GOM_NL__2PRFIN20050910_213623_000000452040_00372_18462_6650.N1	10-SEP-2005 21:36:23	Dark	44.500	65	Lam Vel	2.2040	4400.0	89	18462	No
178	GOM_NL__2PRFIN20050910_213938_000000412040_00372_18462_6651.N1	10-SEP-2005 21:39:38	Dark	41.000	46	Del Vel	1.9540	10600.	82	18462	No
179	GOM_NL__2PRFIN20050910_214107_000000422040_00372_18462_6652.N1	10-SEP-2005 21:41:07	Dark	42.000	41	Eps Car	1.8600	4100.0	84	18462	No
180	GOM_NL__2PRFIN20050910_215144_000000372040_00373_18463_6640.N1	10-SEP-2005 21:51:44	Dark	37.000	135	Bet Hyi	2.8200	5800.0	74	18463	No
181	GOM_NL__2PRFIN20050910_215718_000000392040_00373_18463_6641.N1	10-SEP-2005 21:57:18	Straylight	38.500	148	Alp Tuc	2.8780	4100.0	77	18463	No
182	GOM_NL__2PRFIN20050910_220101_000000412040_00373_18463_6642.N1	10-SEP-2005 22:01:01	Straylight	40.500	31	Alp Gru	1.7340	15200.	81	18463	No
183	GOM_NL__2PRFIN20050910_220348_000000362040_00373_18463_6643.N1	10-SEP-2005 22:03:48	Straylight	36.000	172	Gam Gru	3.0030	13100.	72	18463	No
184	GOM_NL__2PRFIN20050910_220945_000000382040_00373_18463_6644.N1	10-SEP-2005 22:09:45	Tw_i_and_stray	38.000	142	49Del Cap	2.8500	8900.0	76	18463	No
185	GOM_NL__2PRFIN20050910_221250_000000362040_00373_18463_6645.N1	10-SEP-2005 22:12:50	Bright	36.000	154	22Bet Aqr	2.8990	5700.0	72	18463	No
186	GOM_NL__2PRFIN20050910_222412_000000362040_00373_18463_6646.N1	10-SEP-2005 22:24:12	Bright	36.000	92	53Eps Cyg	2.5000	4500.0	72	18463	No
187	GOM_NL__2PRFIN20050910_222614_000000362040_00373_18463_6647.N1	10-SEP-2005 22:26:14	Bright	36.000	66	37Gam Cyg	2.2080	5900.0	72	18463	No
188	GOM_NL__2PRFIN20050910_222815_000000362040_00373_18463_6648.N1	10-SEP-2005 22:28:15	Bright	36.000	144	18Del Cyg	2.8600	11000.	72	18463	No
189	GOM_NL__2PRFIN20050910_224011_000000382040_00373_18463_6649.N1	10-SEP-2005 22:40:11	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	18463	No
190	GOM_NL__2PRFIN20050910_224641_000000362040_00373_18463_6650.N1	10-SEP-2005 22:46:41	Bright	36.000	36	50Alp UMa	1.8000	6300.0	72	18463	No
191	GOM_NL__2PRFIN20050910_224806_000000352040_00373_18463_6651.N1	10-SEP-2005 22:48:06	Bright	35.000	82	48Bet UMa	2.3650	10600.	70	18463	No
192	GOM_NL__2PRFIN20050910_231659_000000422040_00373_18463_6652.N1	10-SEP-2005 23:16:59	Dark	42.000	65	Lam Vel	2.2040	4400.0	84	18463	No
193	GOM_NL__2PRFIN20050910_232014_000000362040_00373_18463_6653.N1	10-SEP-2005 23:20:14	Dark	35.500	46	Del Vel	1.9540	10600.	71	18463	No
194	GOM_NL__2PRFIN20050910_232144_000000452040_00373_18463_6654.N1	10-SEP-2005 23:21:44	Dark	44.500	41	Eps Car	1.8600	4100.0	89	18463	No
195	GOM_NL__2PRFIN20050910_233220_000000372040_00374_18464_6640.N1	10-SEP-2005 23:32:20	Dark	37.000	135	Bet Hyi	2.8200	5800.0	74	18464	No
196	GOM_NL__2PRFIN20050910_233754_000000392040_00374_18464_6641.N1	10-SEP-2005 23:37:54	Straylight	38.500	148	Alp Tuc	2.8780	4100.0	77	18464	No
197	GOM_NL__2PRFIN20050910_234137_000000402040_00374_18464_6642.N1	10-SEP-2005 23:41:37	Straylight	39.500	31	Alp Gru	1.7340	15200.	79	18464	No
198	GOM_NL__2PRFIN20050910_234424_000000372040_00374_18464_6643.N1	10-SEP-2005 23:44:24	Straylight	36.500	172	Gam Gru	3.0030	13100.	73	18464	No
199	GOM_NL__2PRFIN20050910_235021_000000402040_00374_18464_6644.N1	10-SEP-2005 23:50:21	Tw_i_and_stray	40.000	142	49Del Cap	2.8500	8900.0	80	18464	No
200	GOM_NL__2PRFIN20050910_235326_000000372040_00374_18464_6645.N1	10-SEP-2005 23:53:26	Bright	37.000	154	22Bet Aqr	2.8990	5700.0	74	18464	No

3. Quality information per product

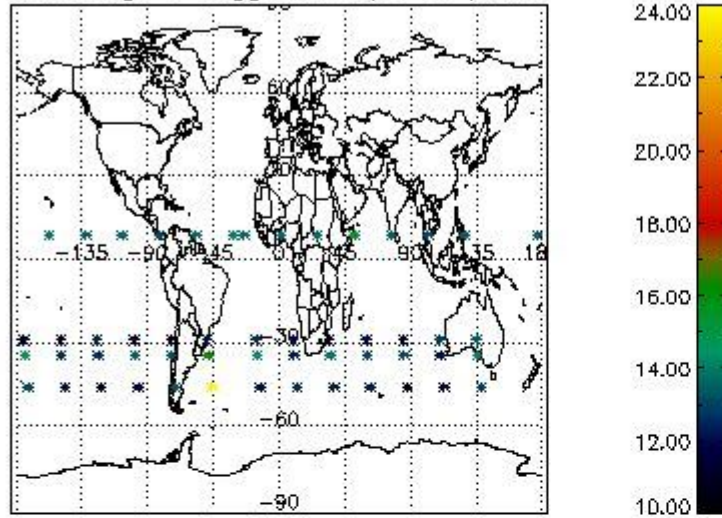
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

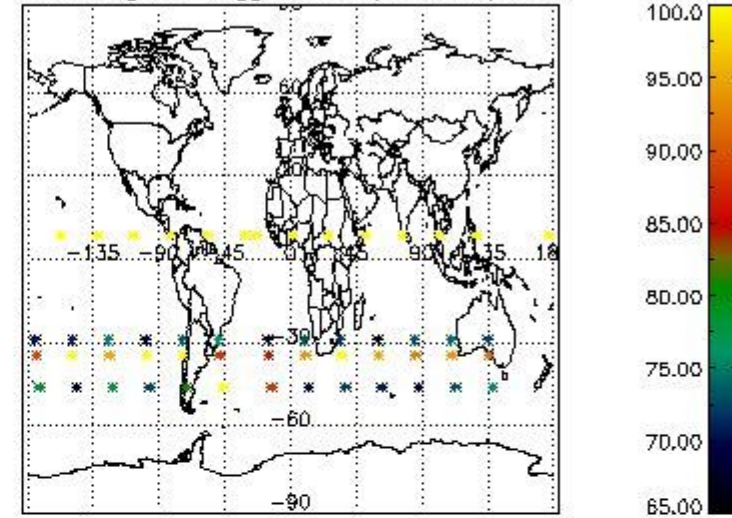


3.2 Plot quality information per product (world map)

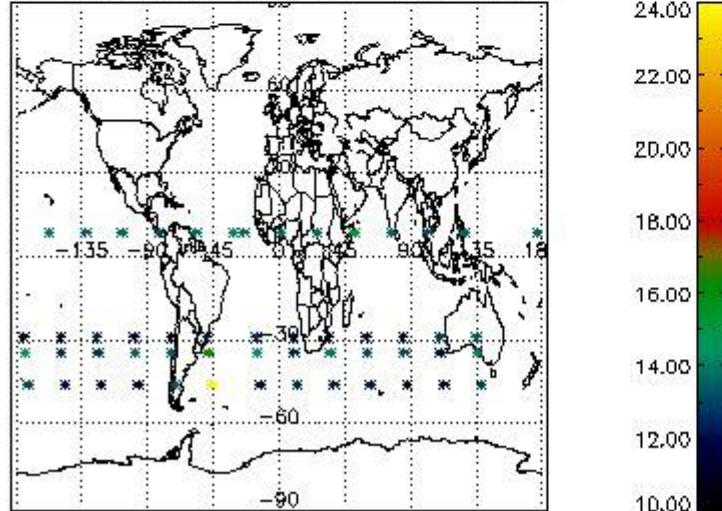
Percentage of flagged data per O3 profile



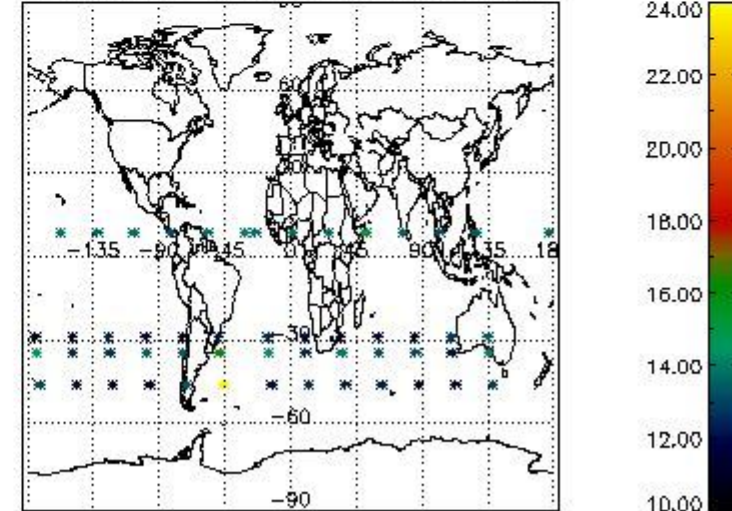
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

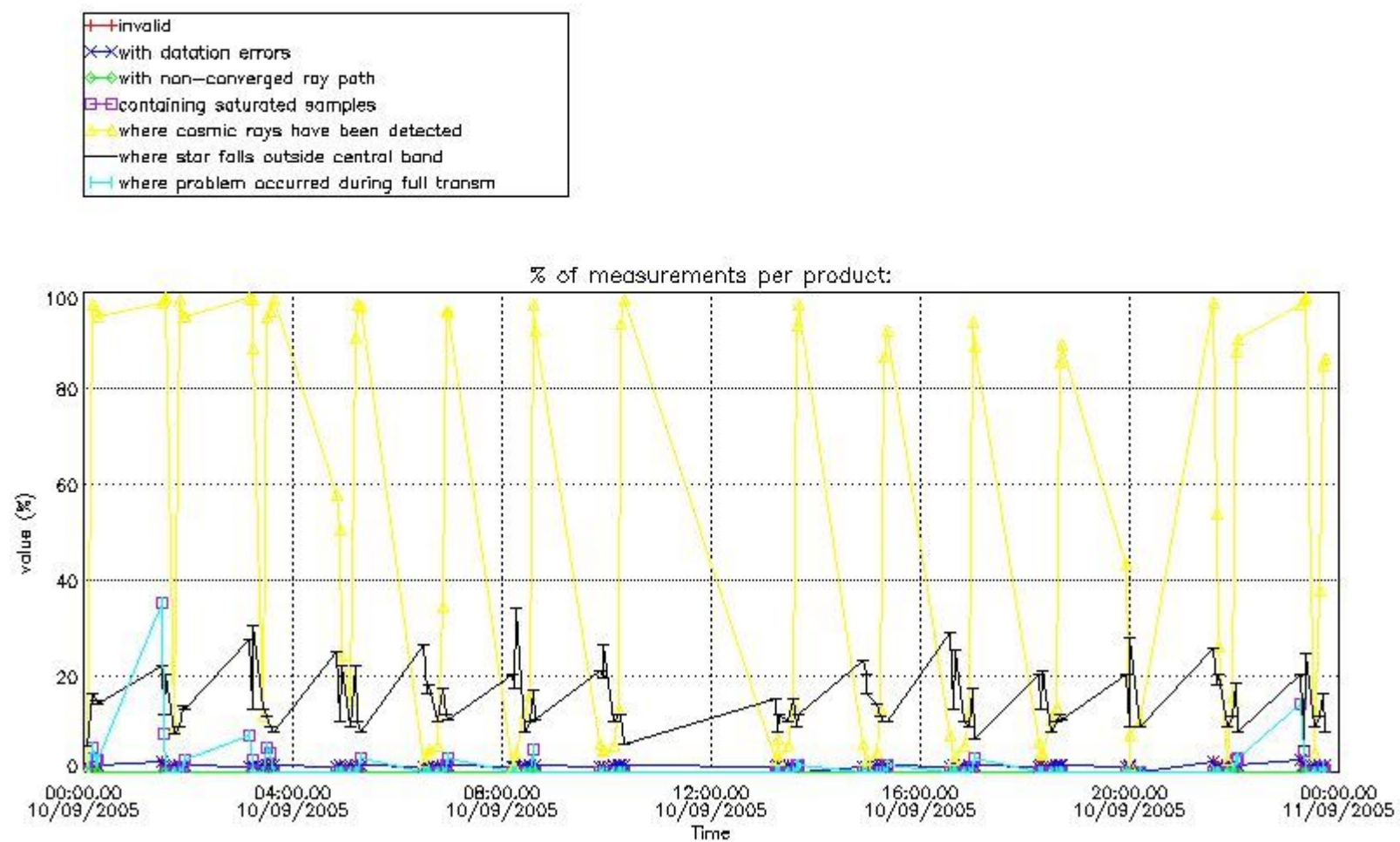


4. Level 1 quality information per product

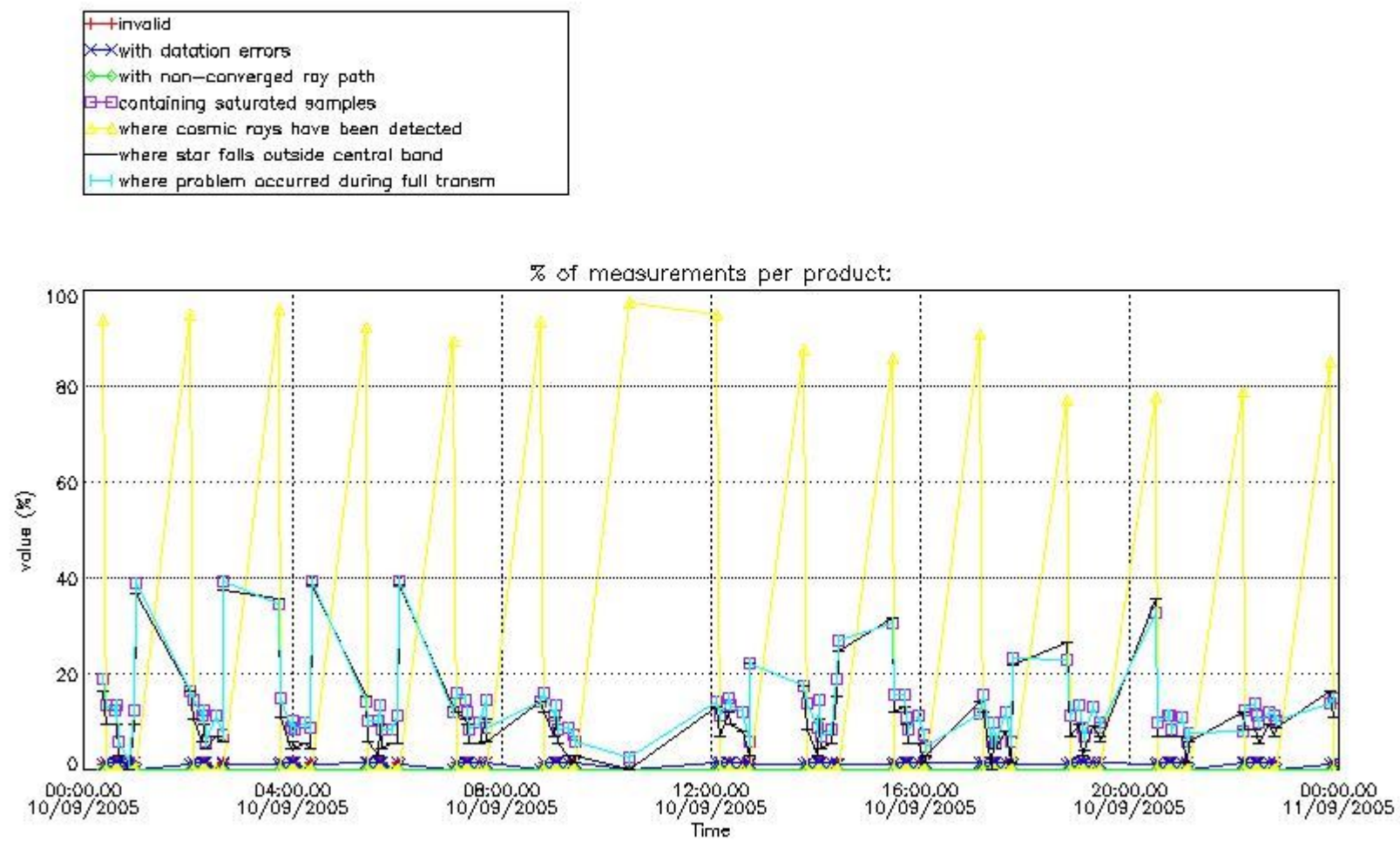
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



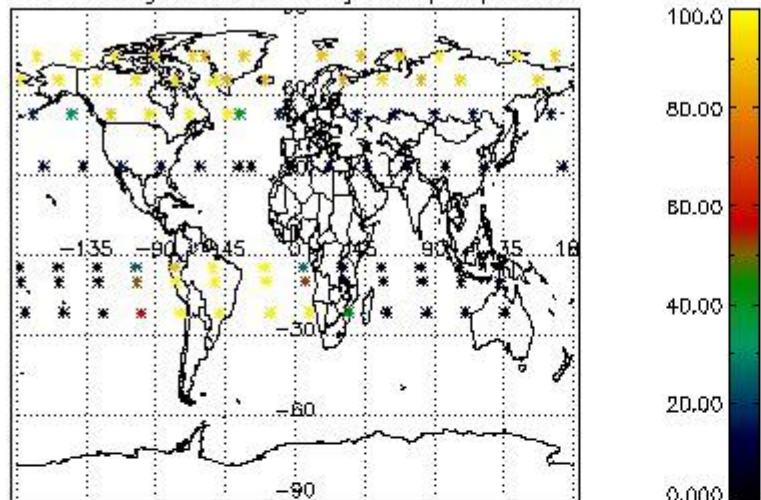
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



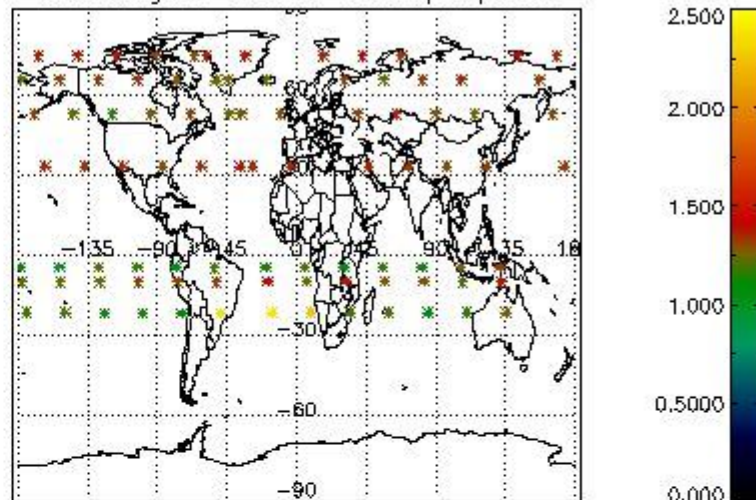
4.2 Plot quality information per product coming from level 1b processing (world map)

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

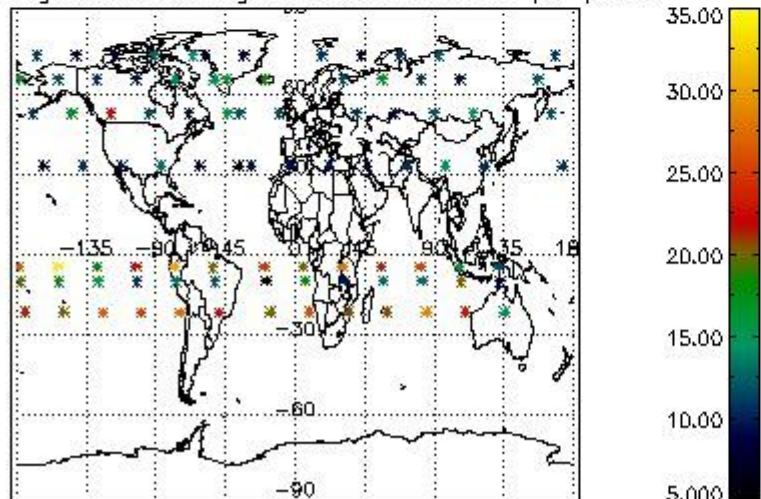
Percentage of cosmic ray hits per profile



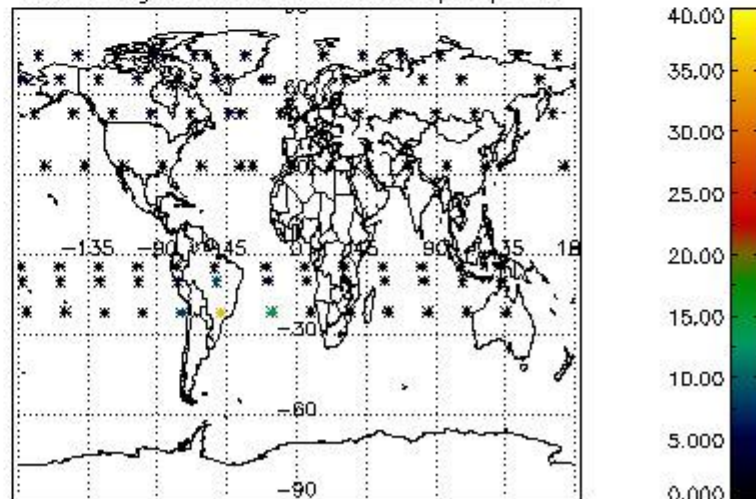
Percentage of datation errors per profile



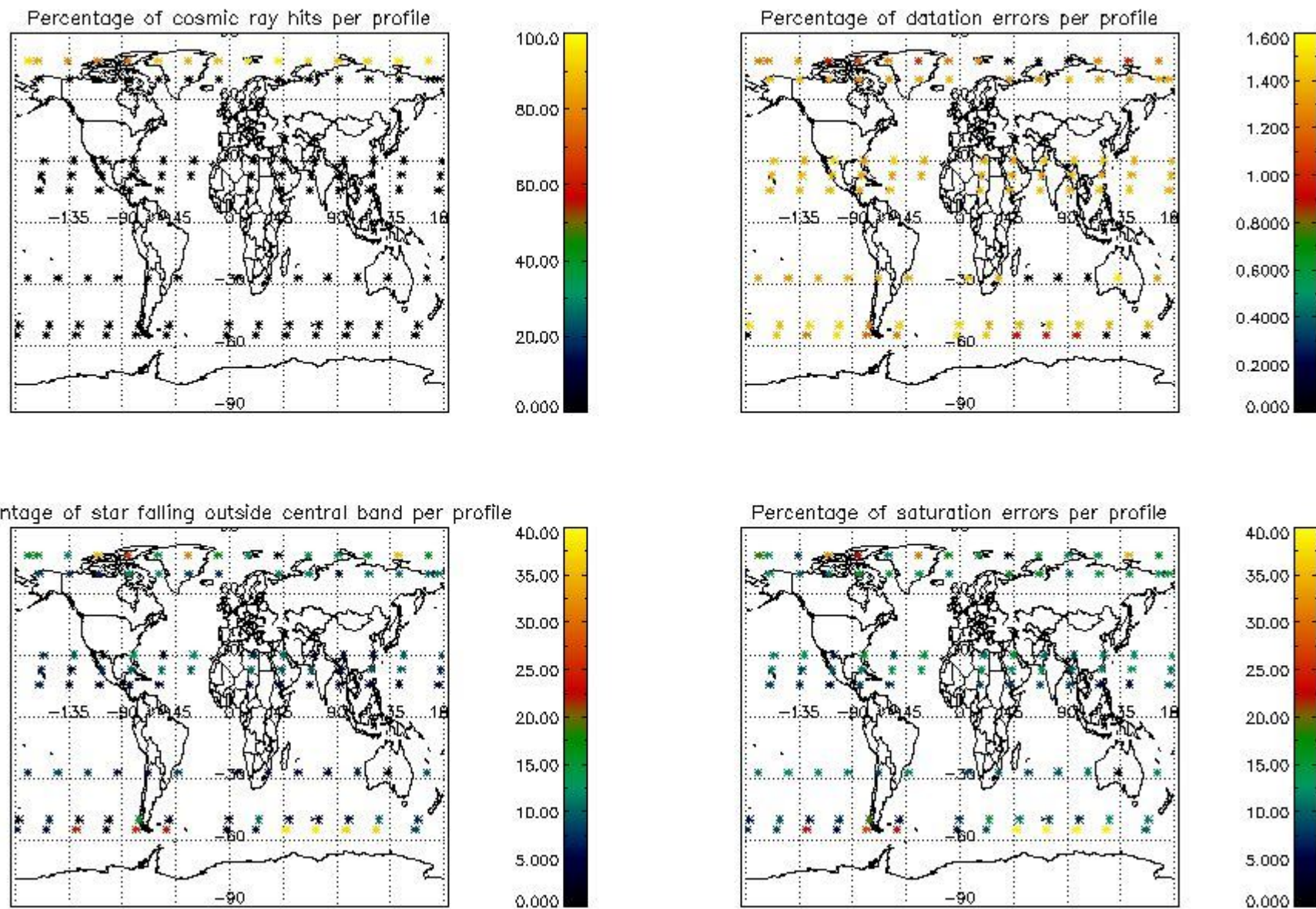
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

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

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

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

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

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

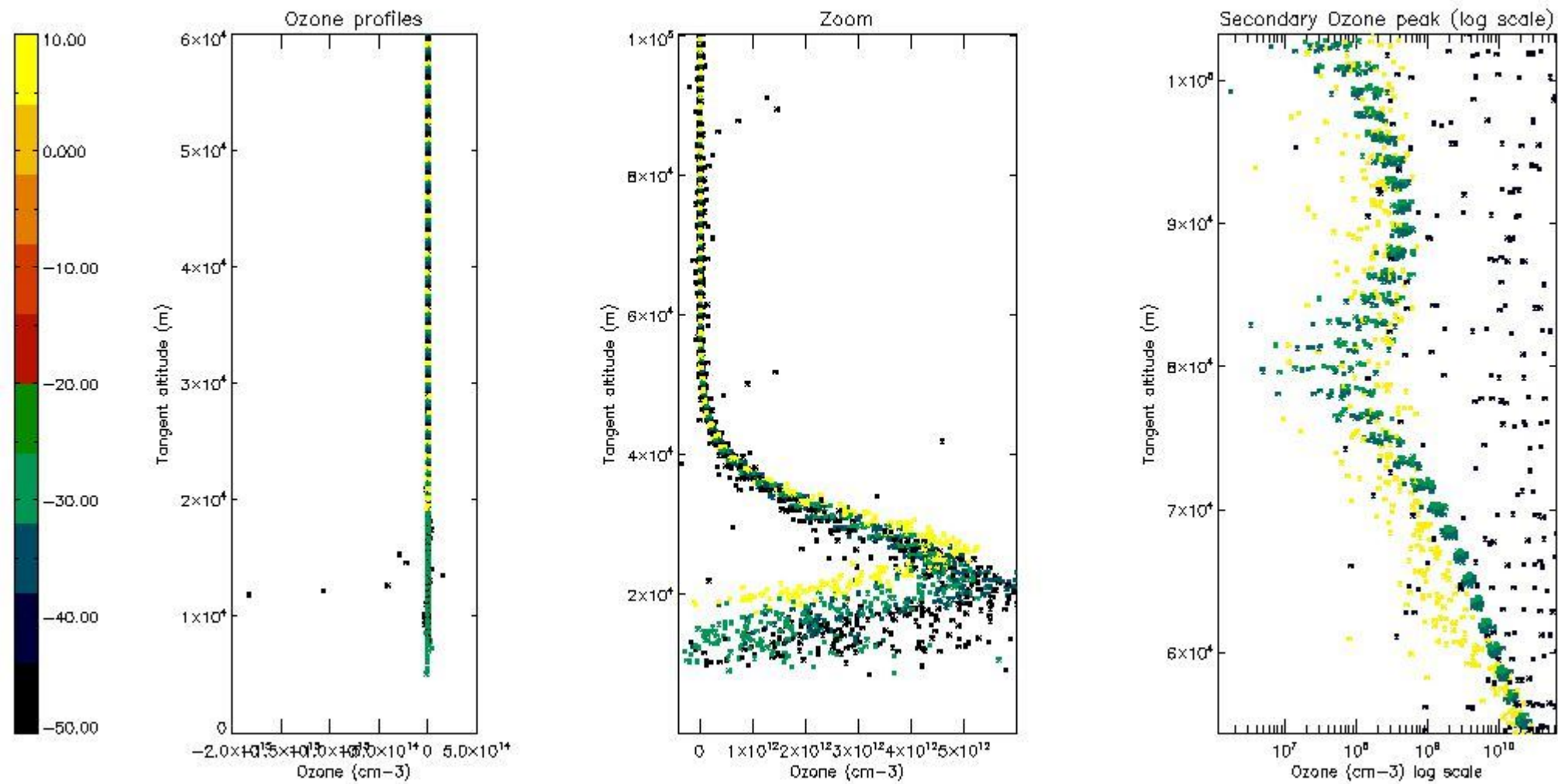
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	29
STD < 20	13

STD < 10	9
STD < 5	3

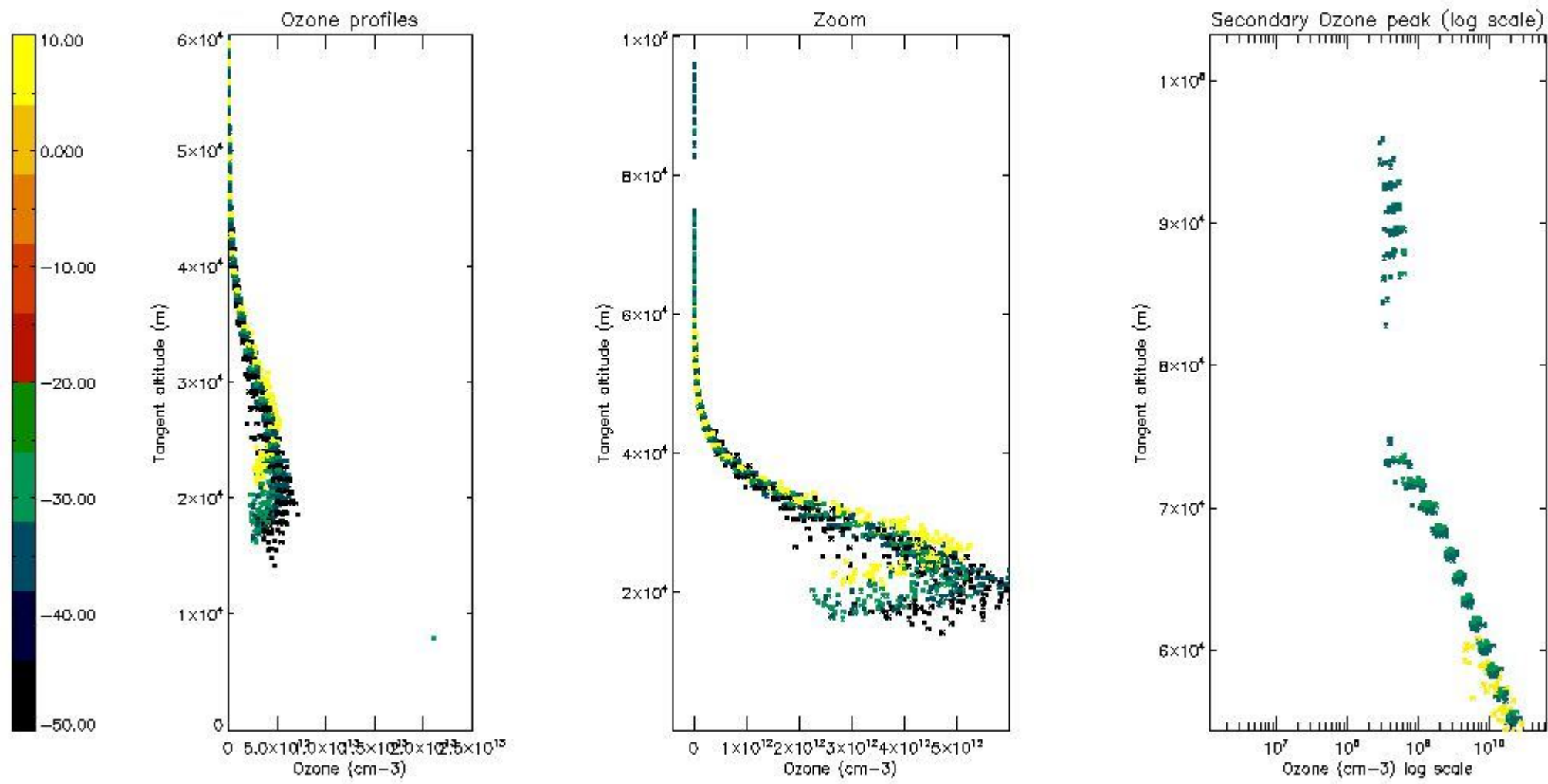
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



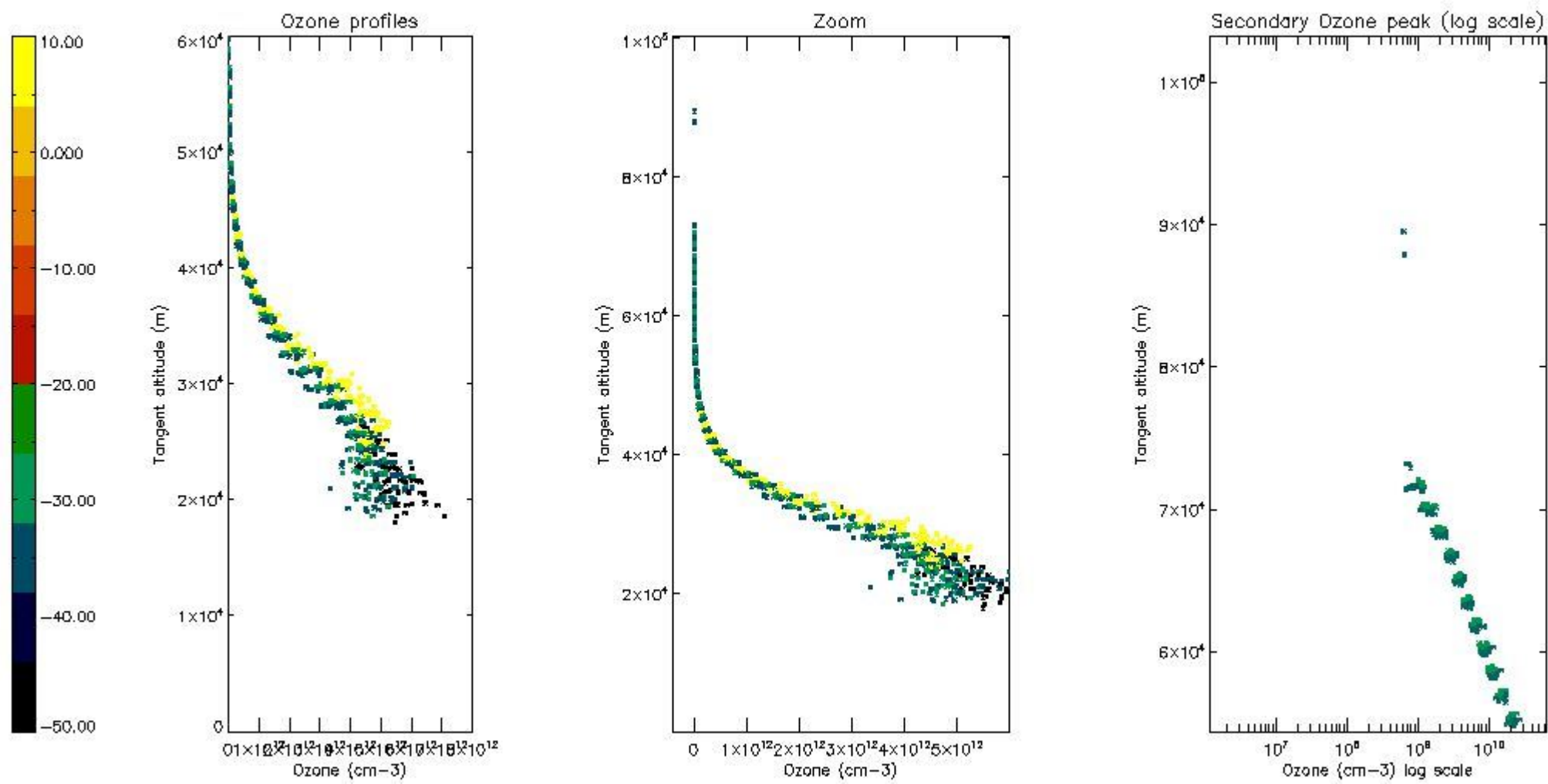
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



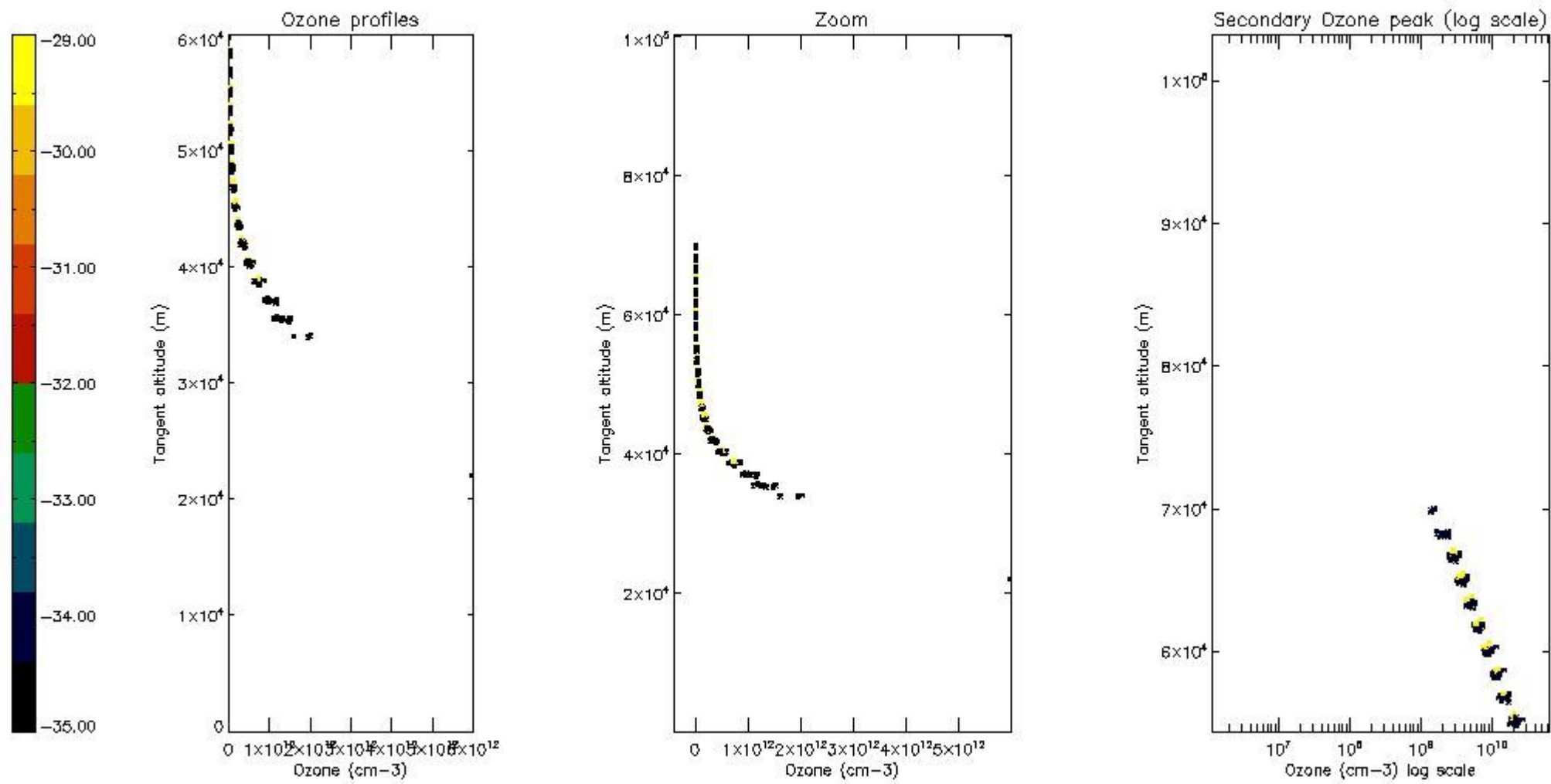
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



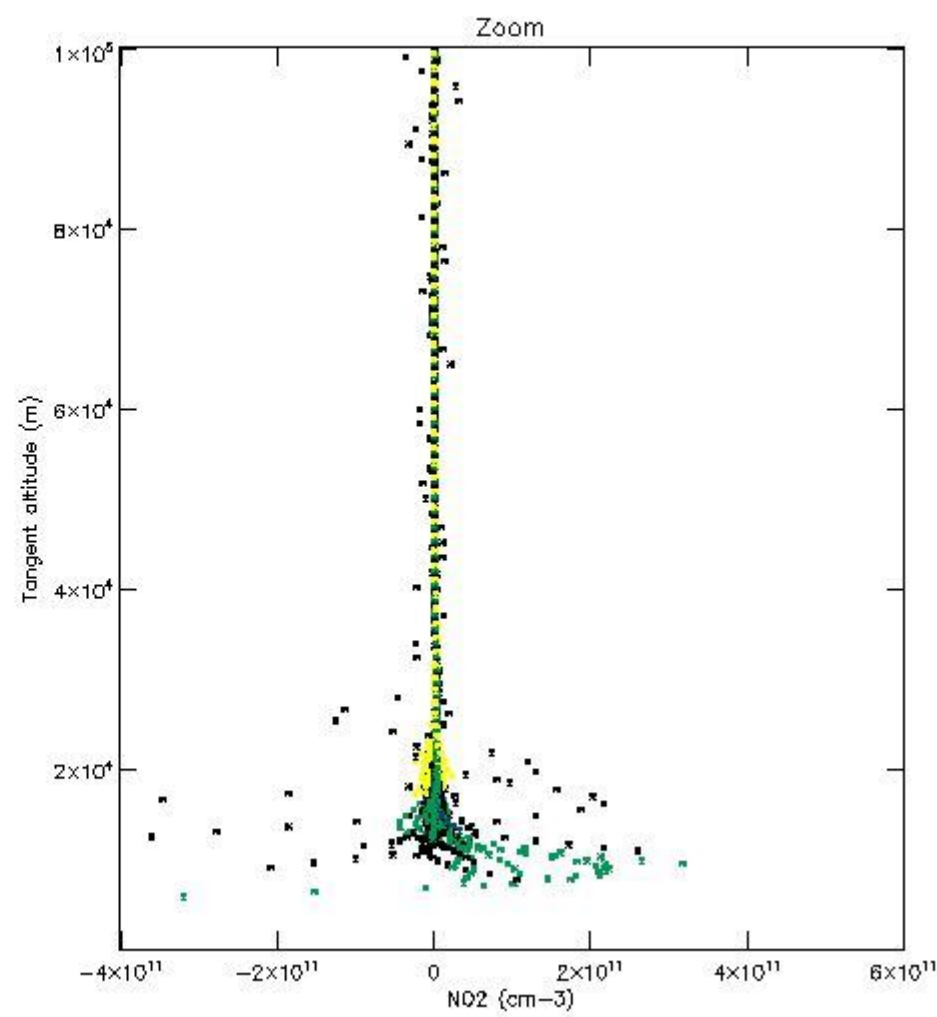
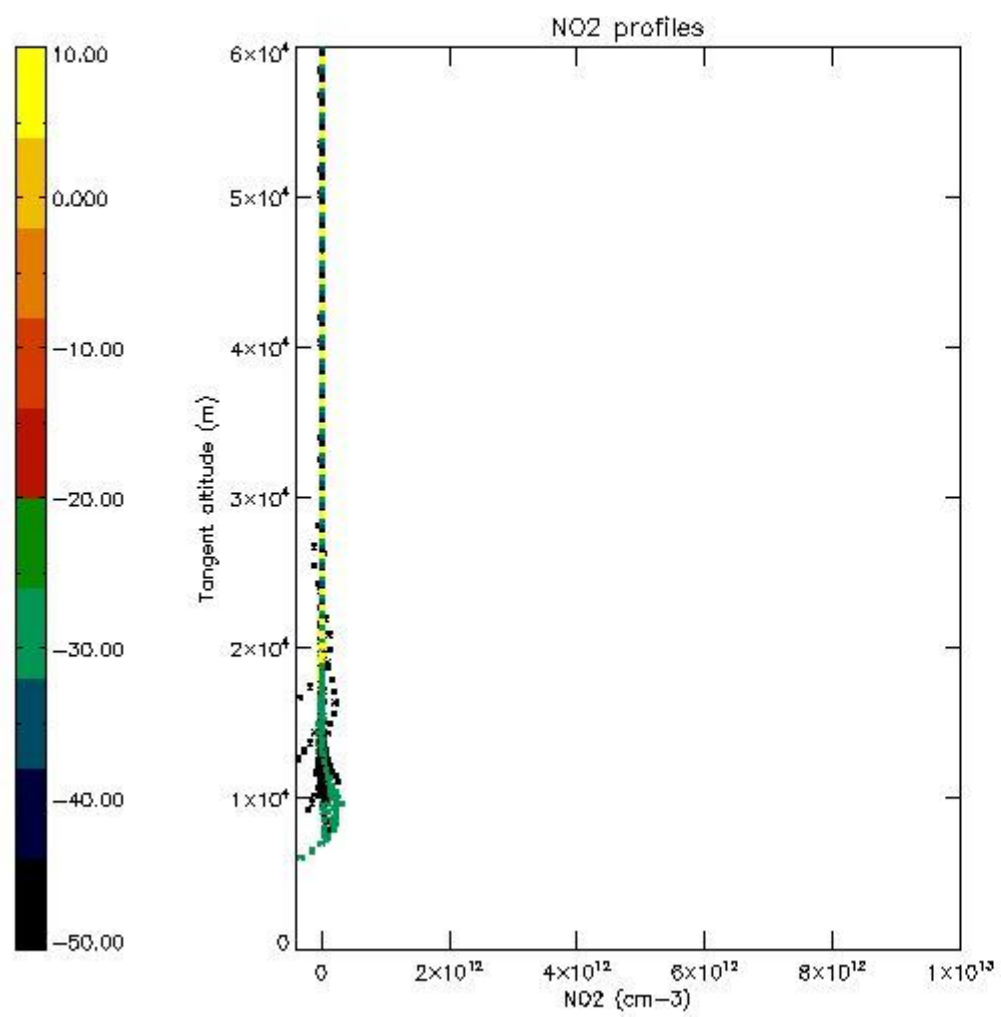
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



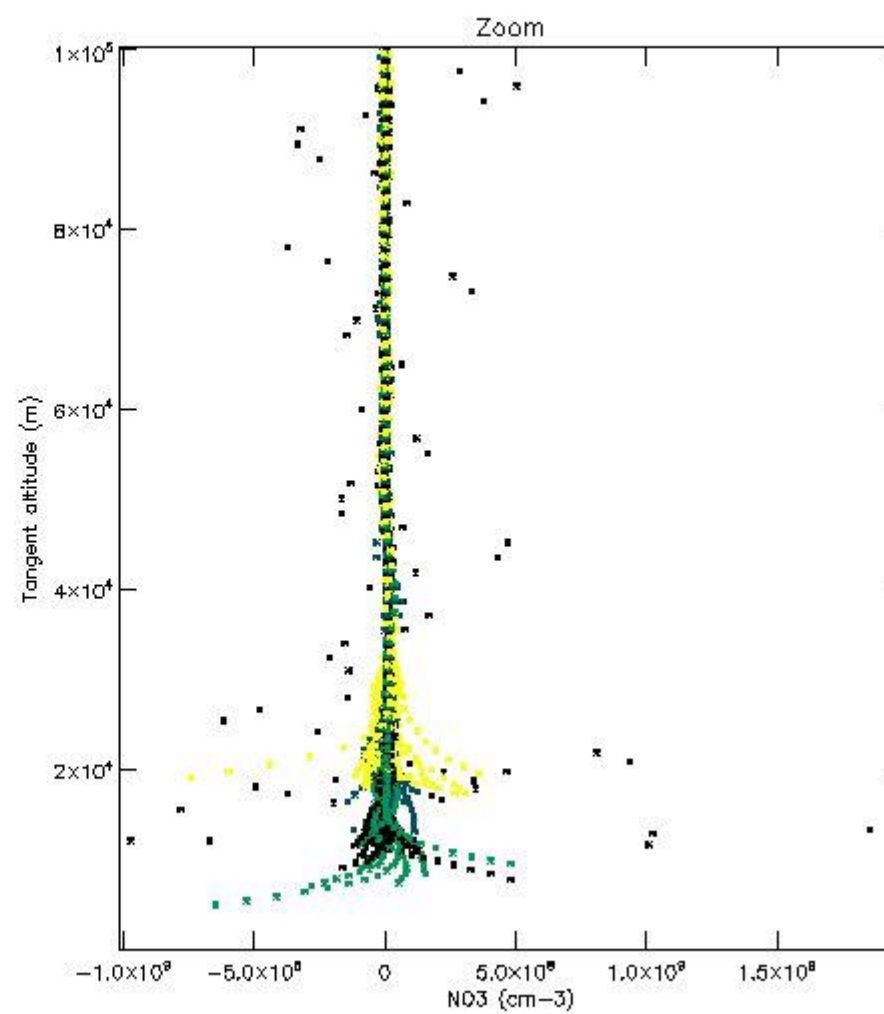
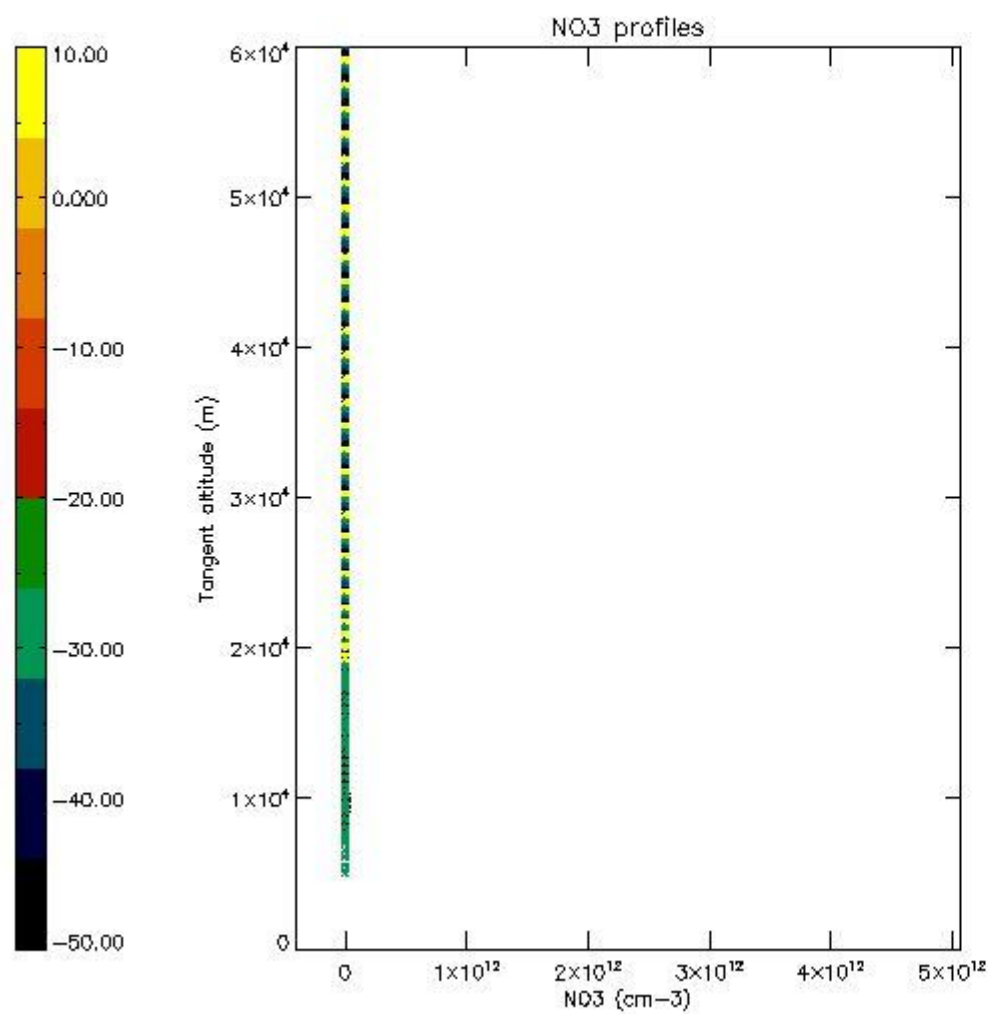
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

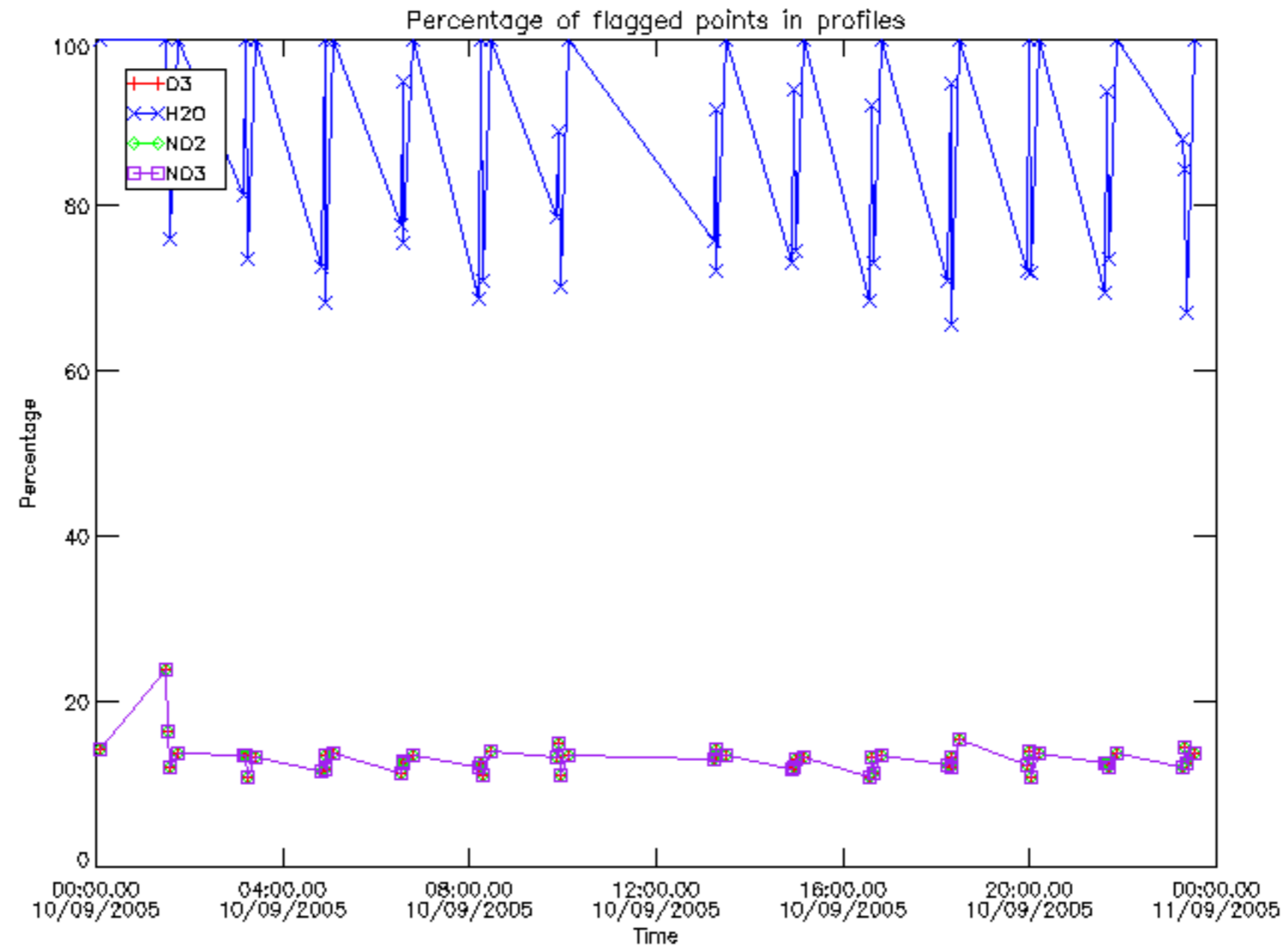
The colorbar represents the latitude.



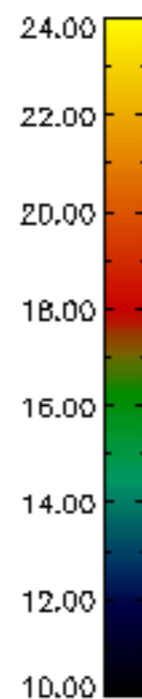
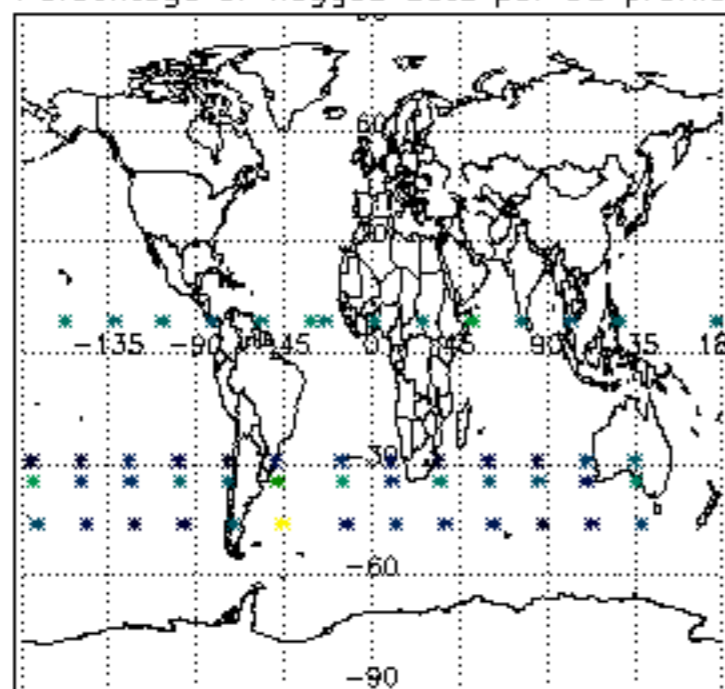
6. Auxiliary Data Files used for the production reported in section 2

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.

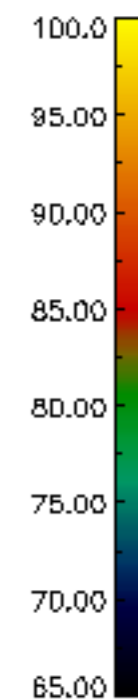
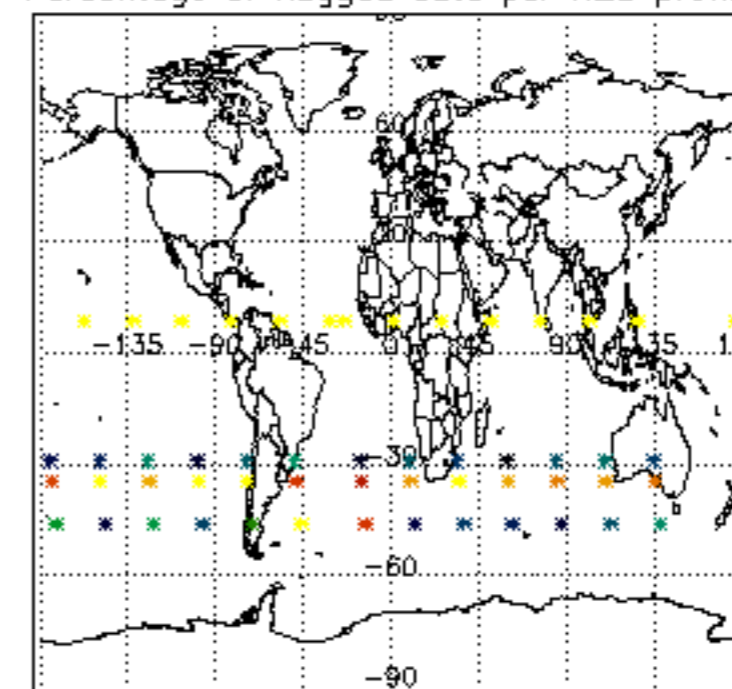
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	10-SEP-2005 00:03:54
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	10-SEP-2005 00:03:54
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	10-SEP-2005 00:03:54



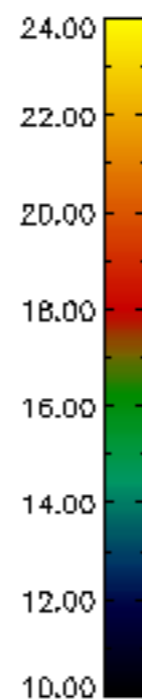
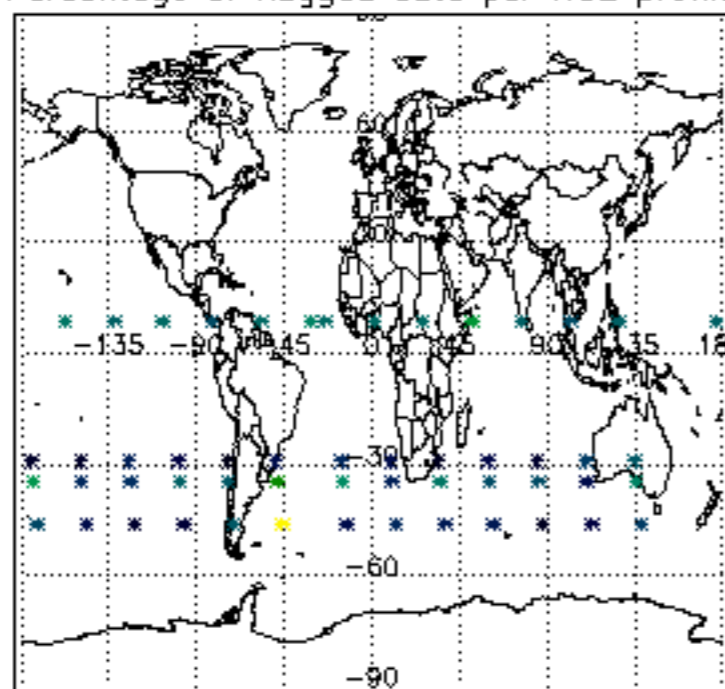
Percentage of flagged data per D3 profile



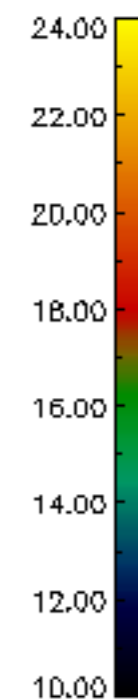
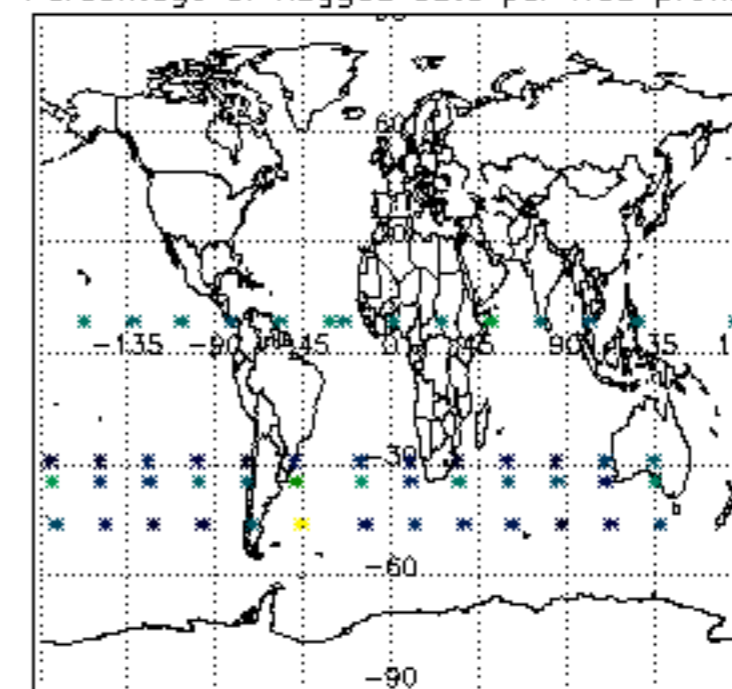
Percentage of flagged data per H2O profile

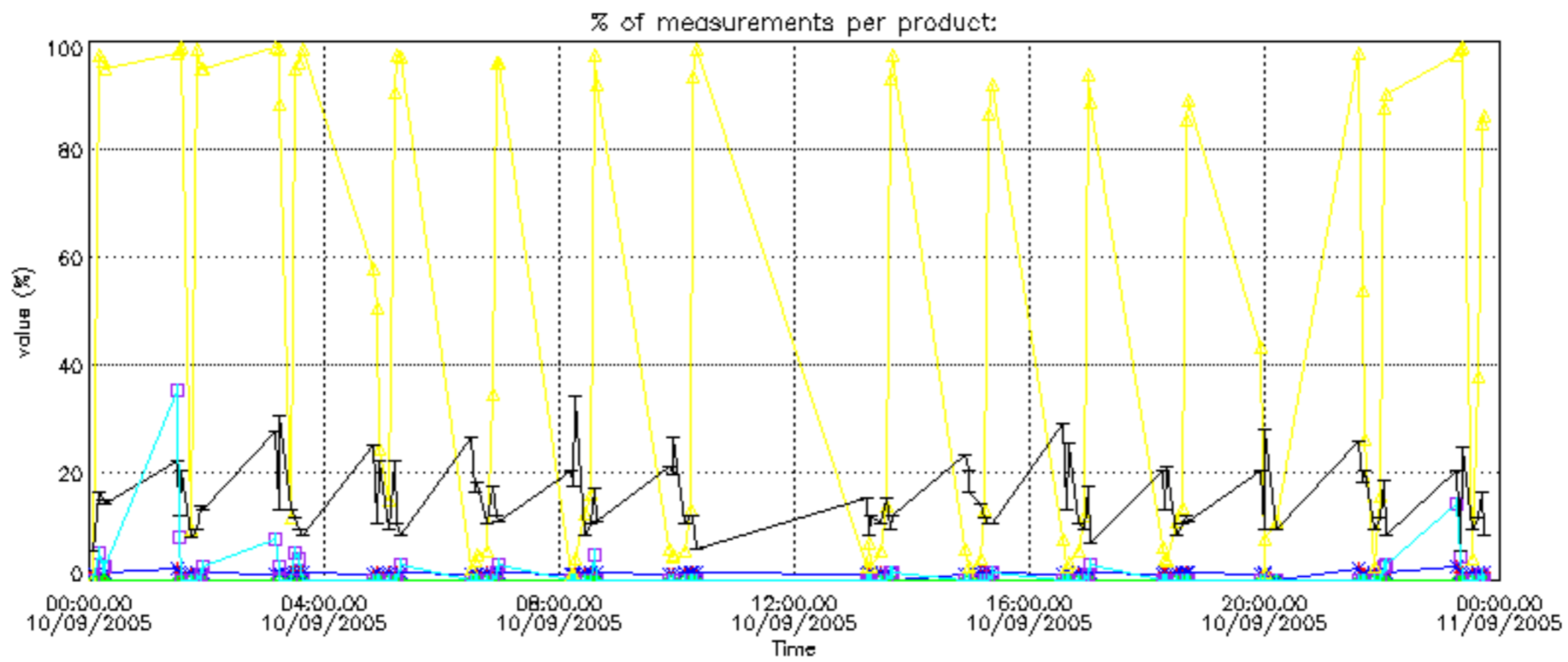


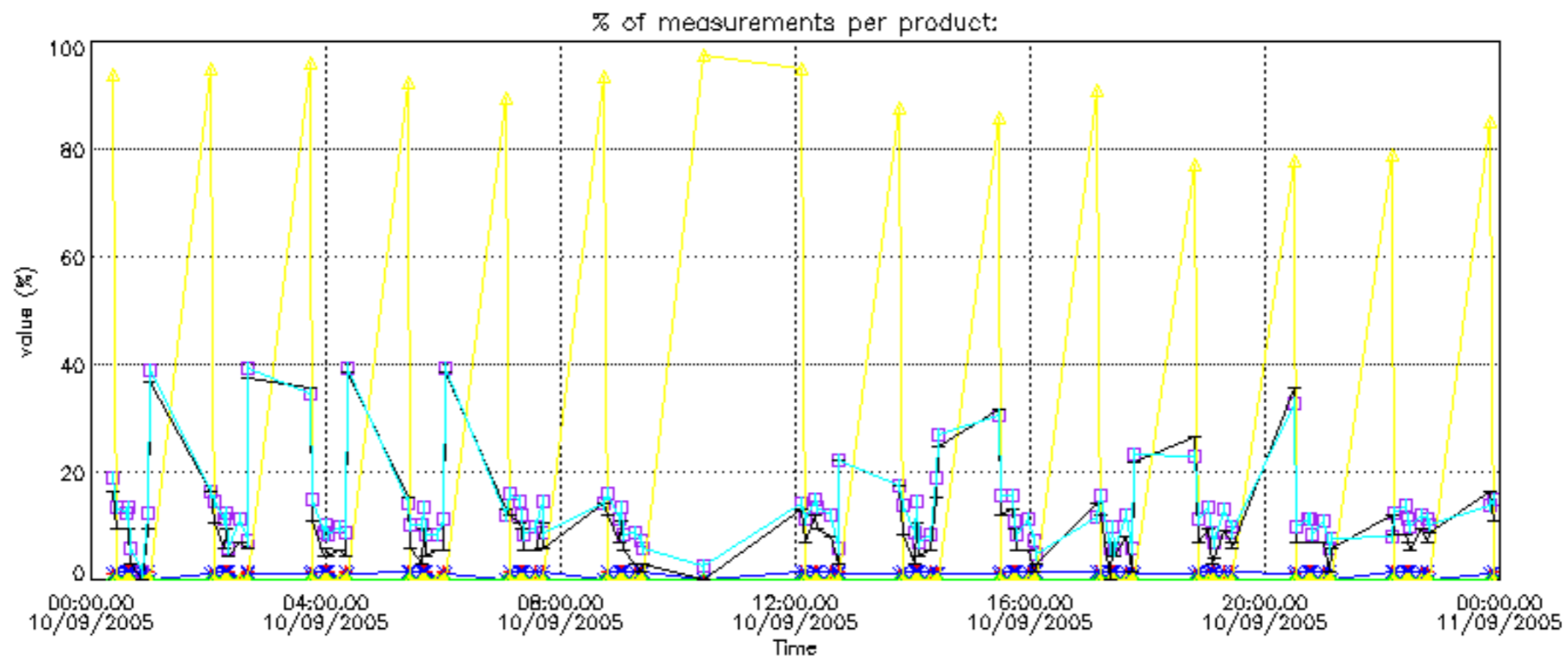
Percentage of flagged data per NO2 profile



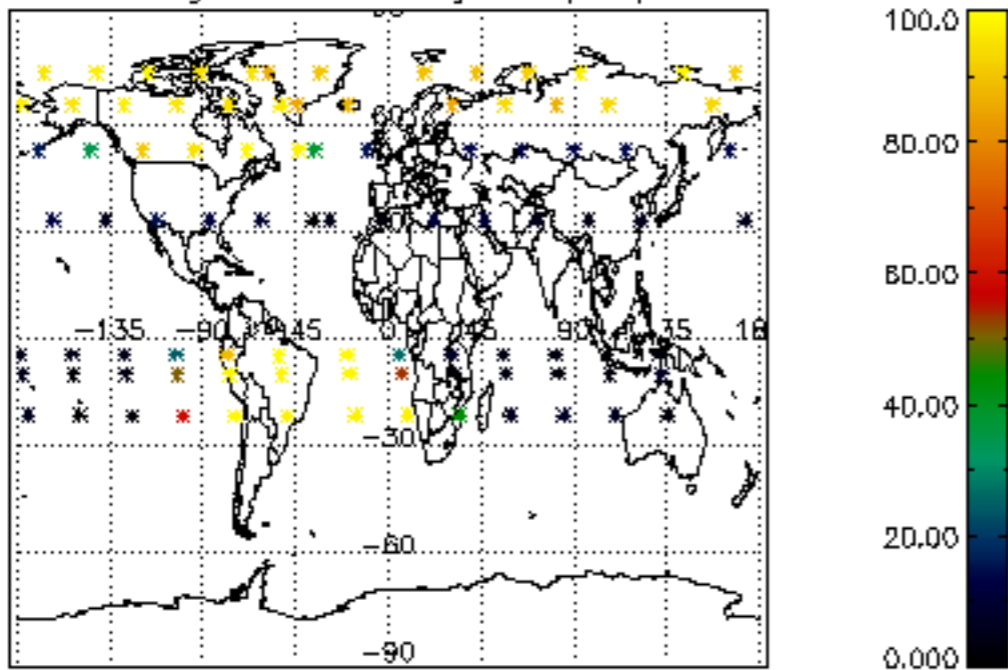
Percentage of flagged data per NO3 profile



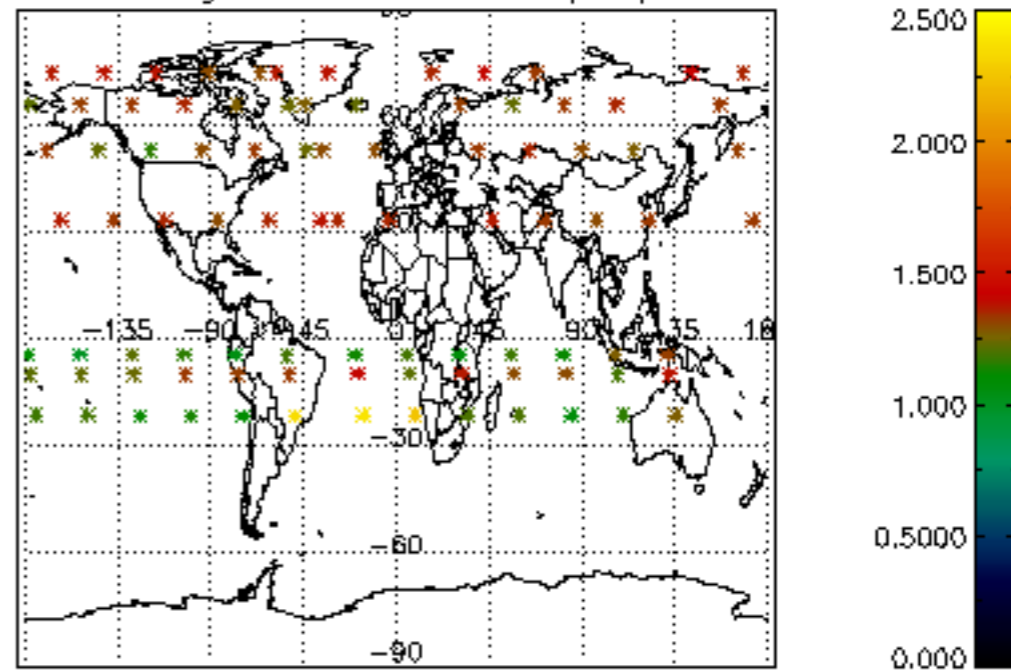




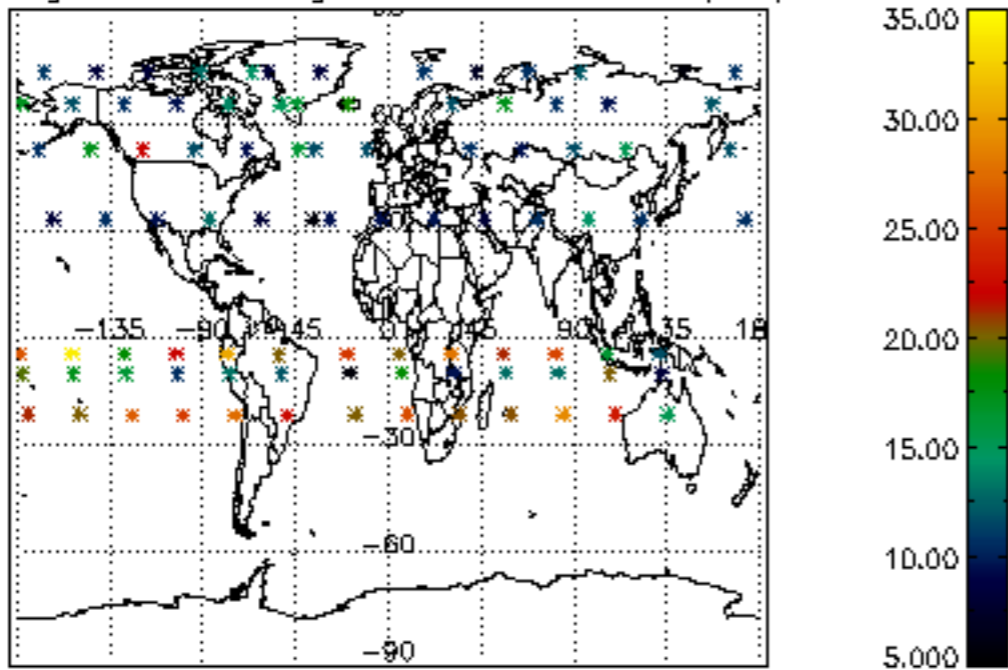
Percentage of cosmic ray hits per profile



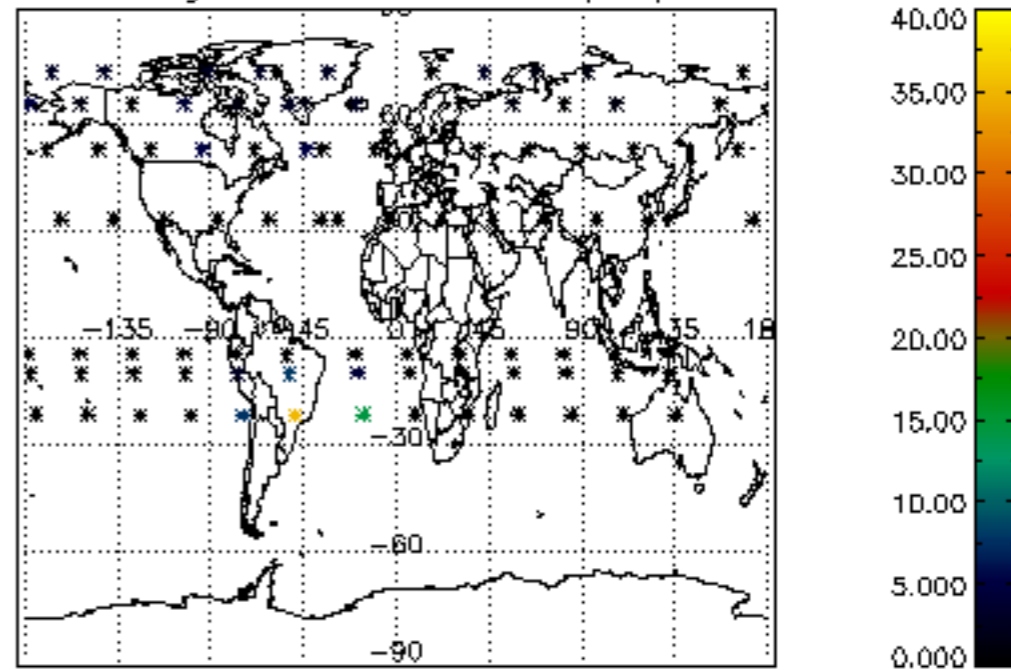
Percentage of datation errors per profile



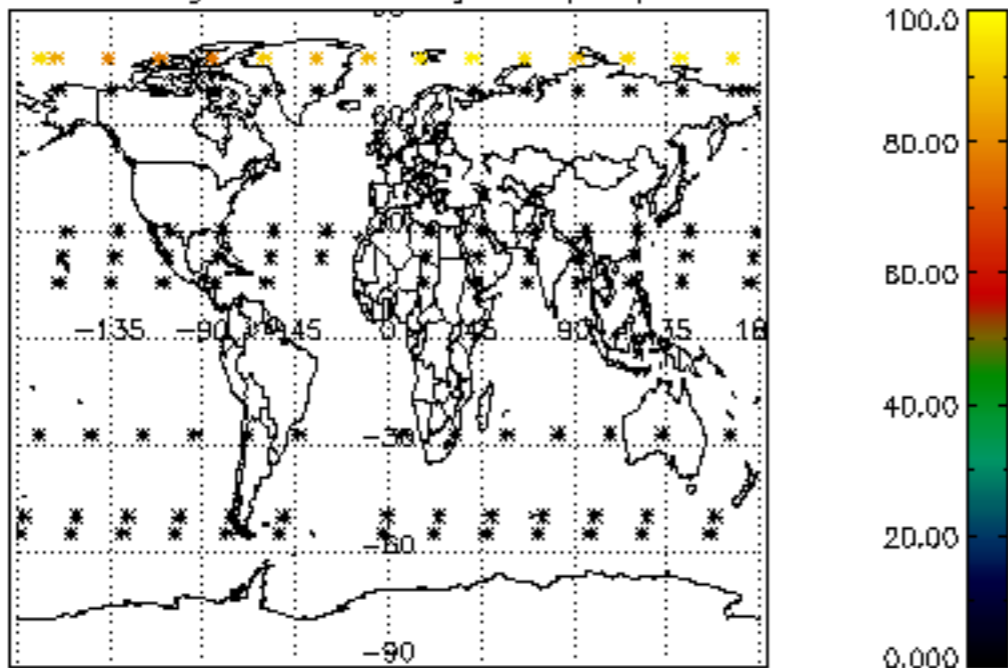
Percentage of star falling outside central band per profile



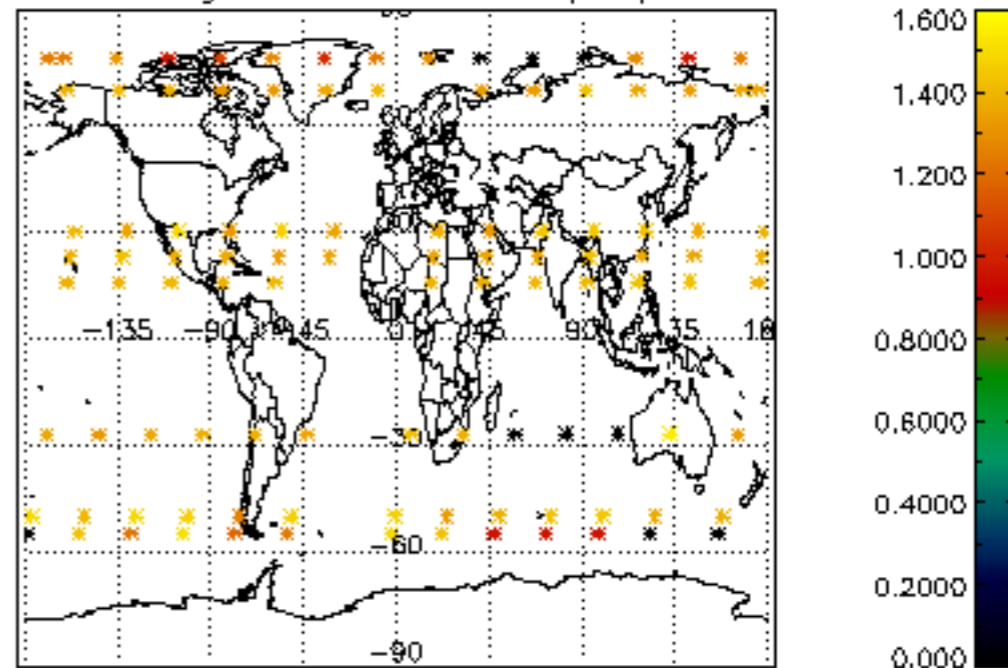
Percentage of saturation errors per profile



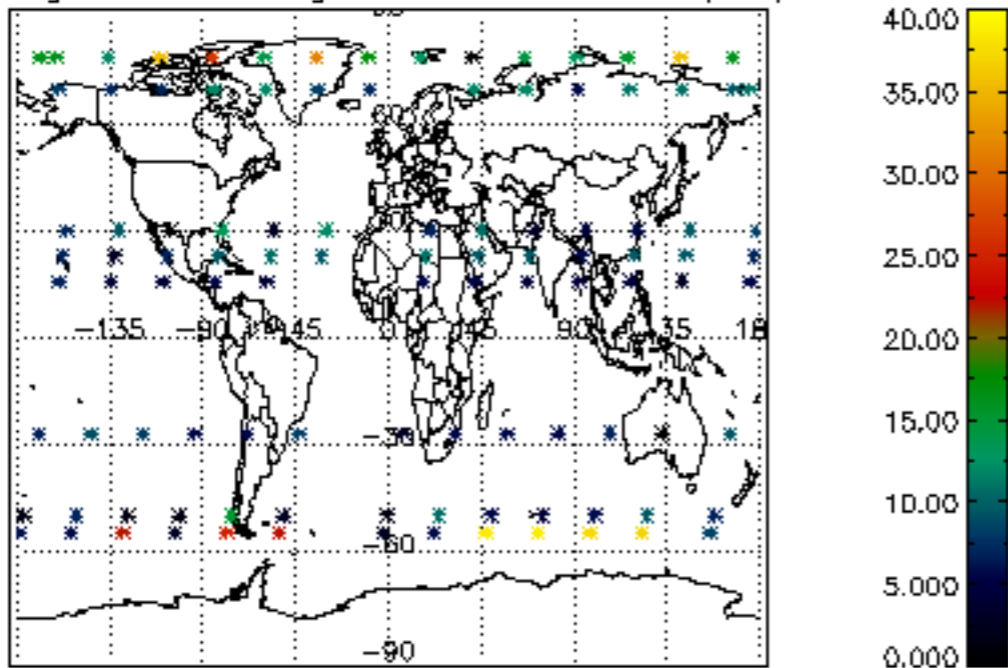
Percentage of cosmic ray hits per profile



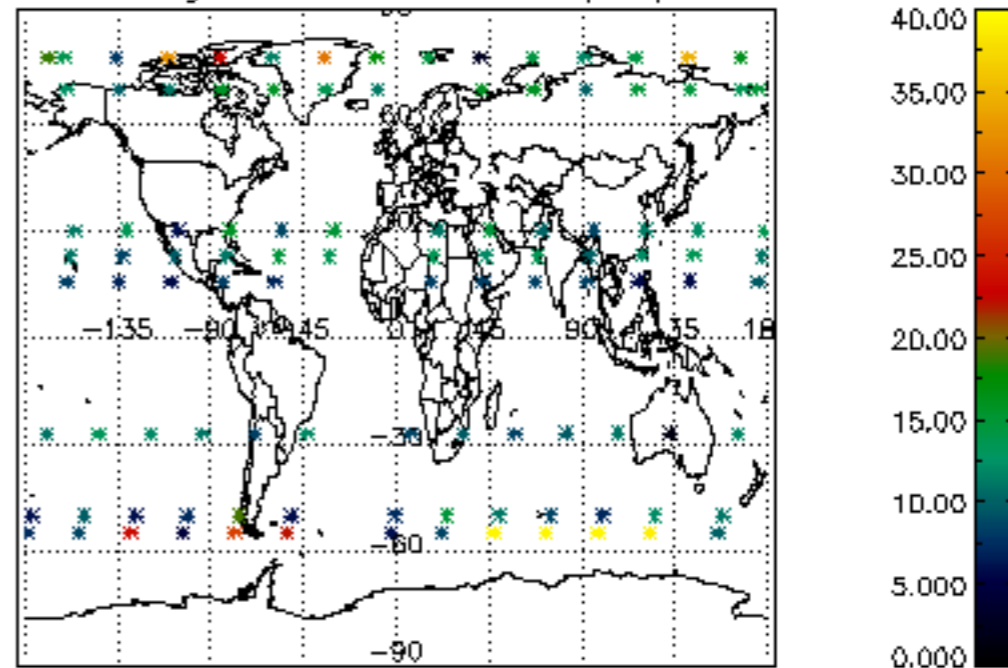
Percentage of datation errors per profile

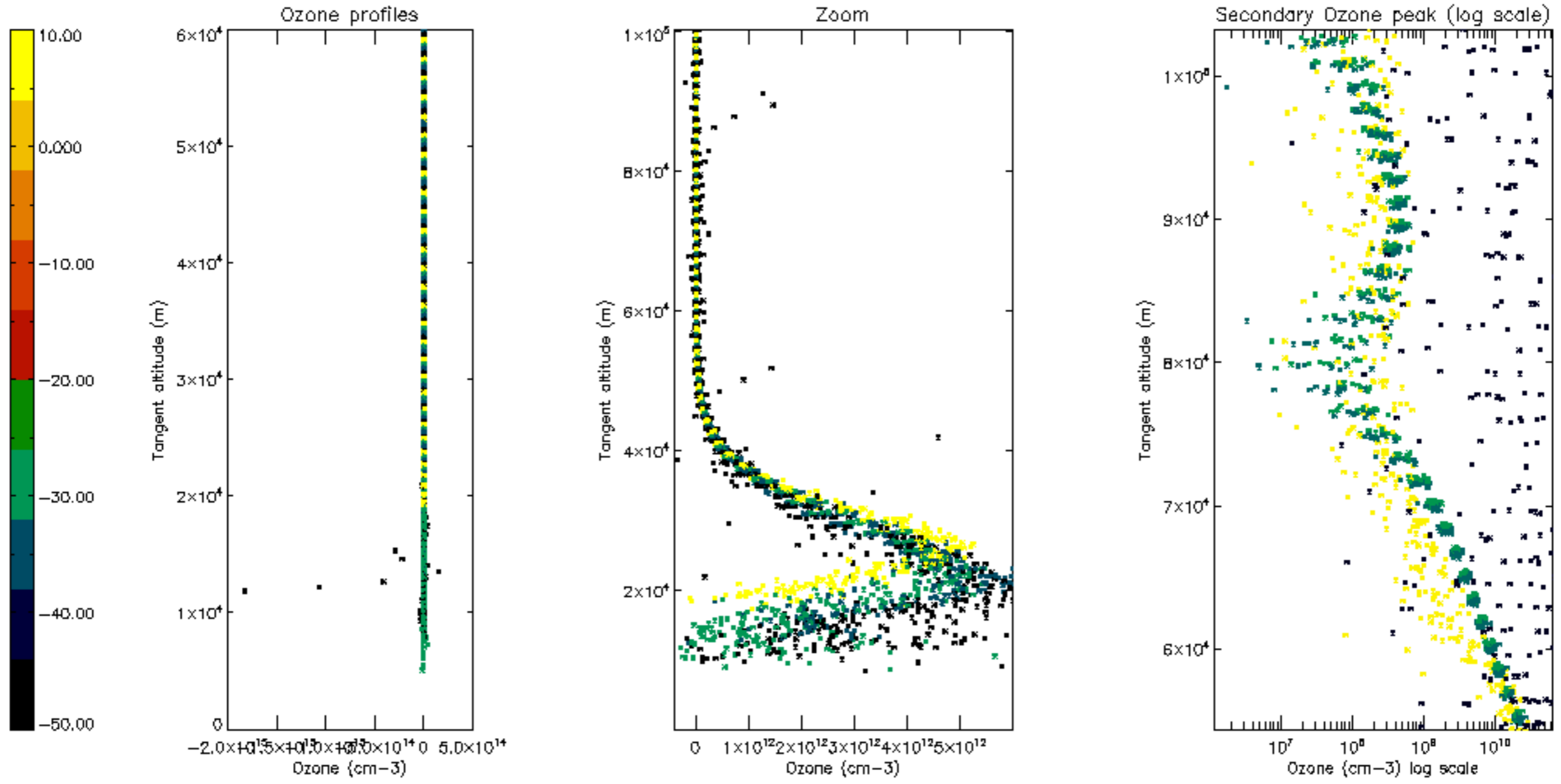


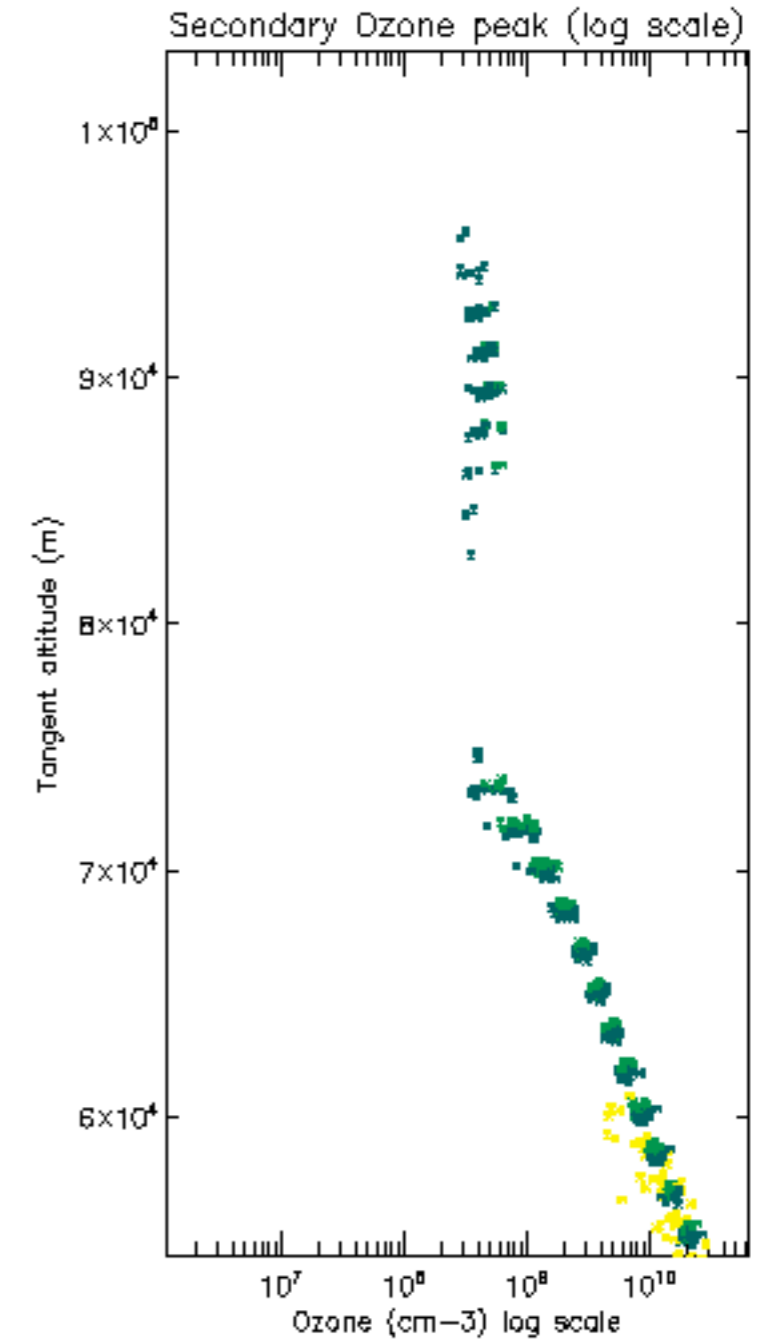
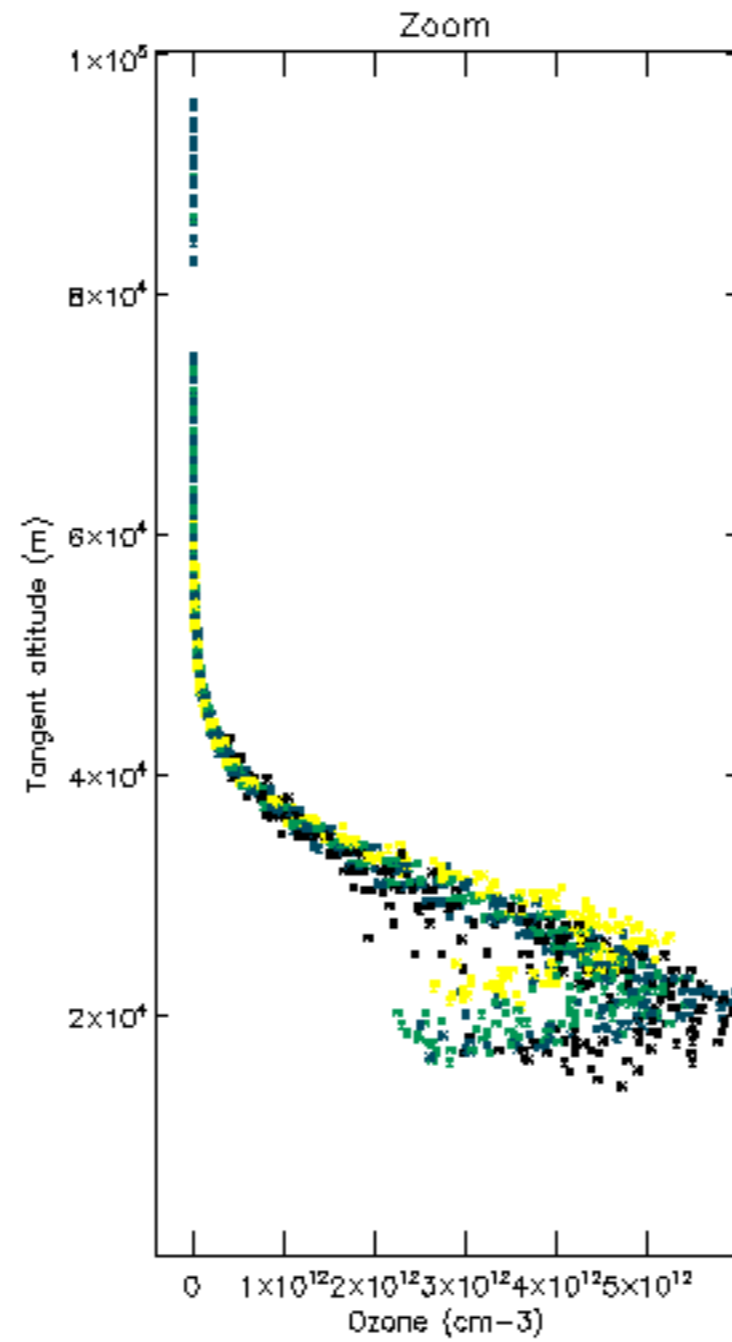
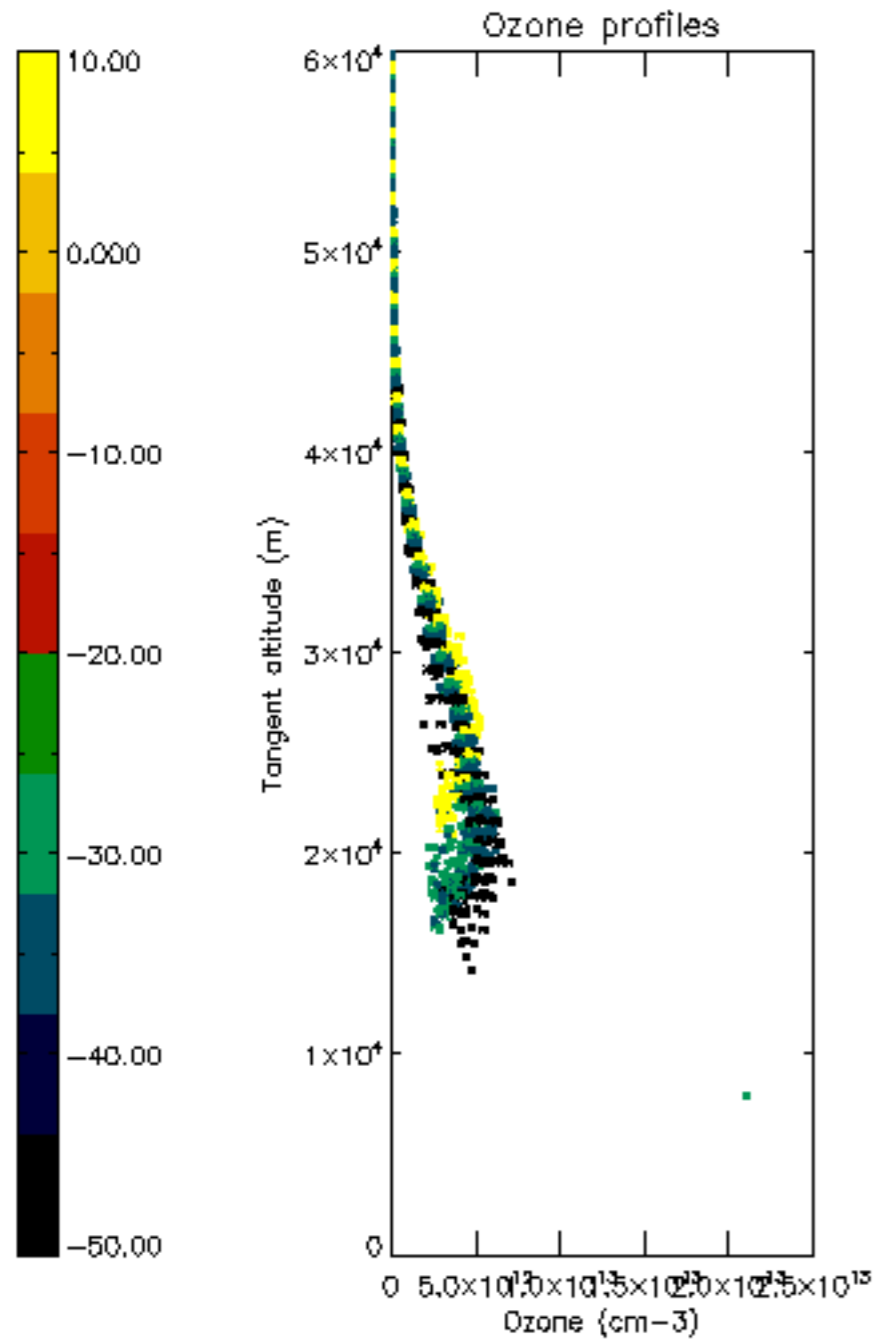
Percentage of star falling outside central band per profile

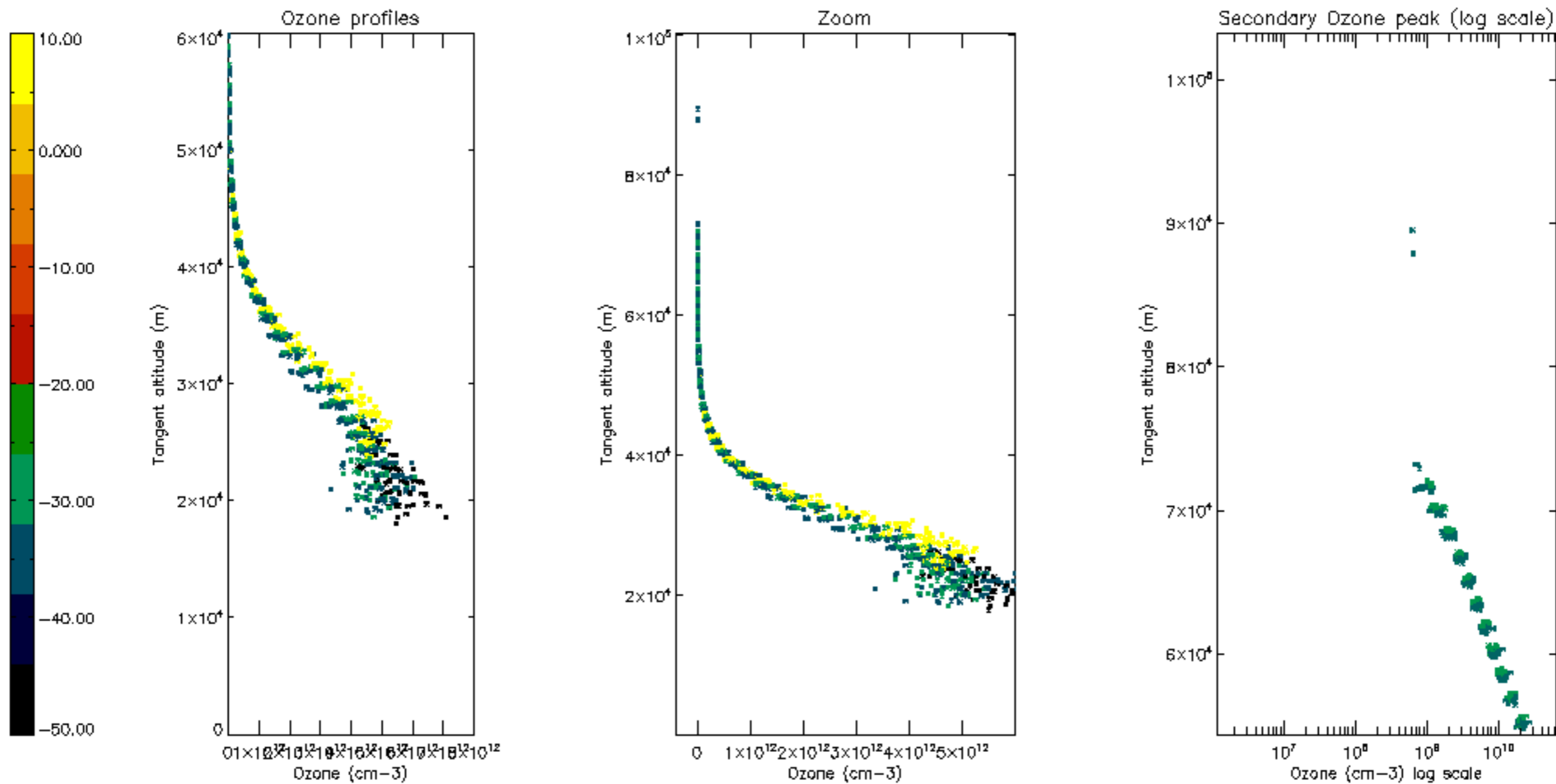


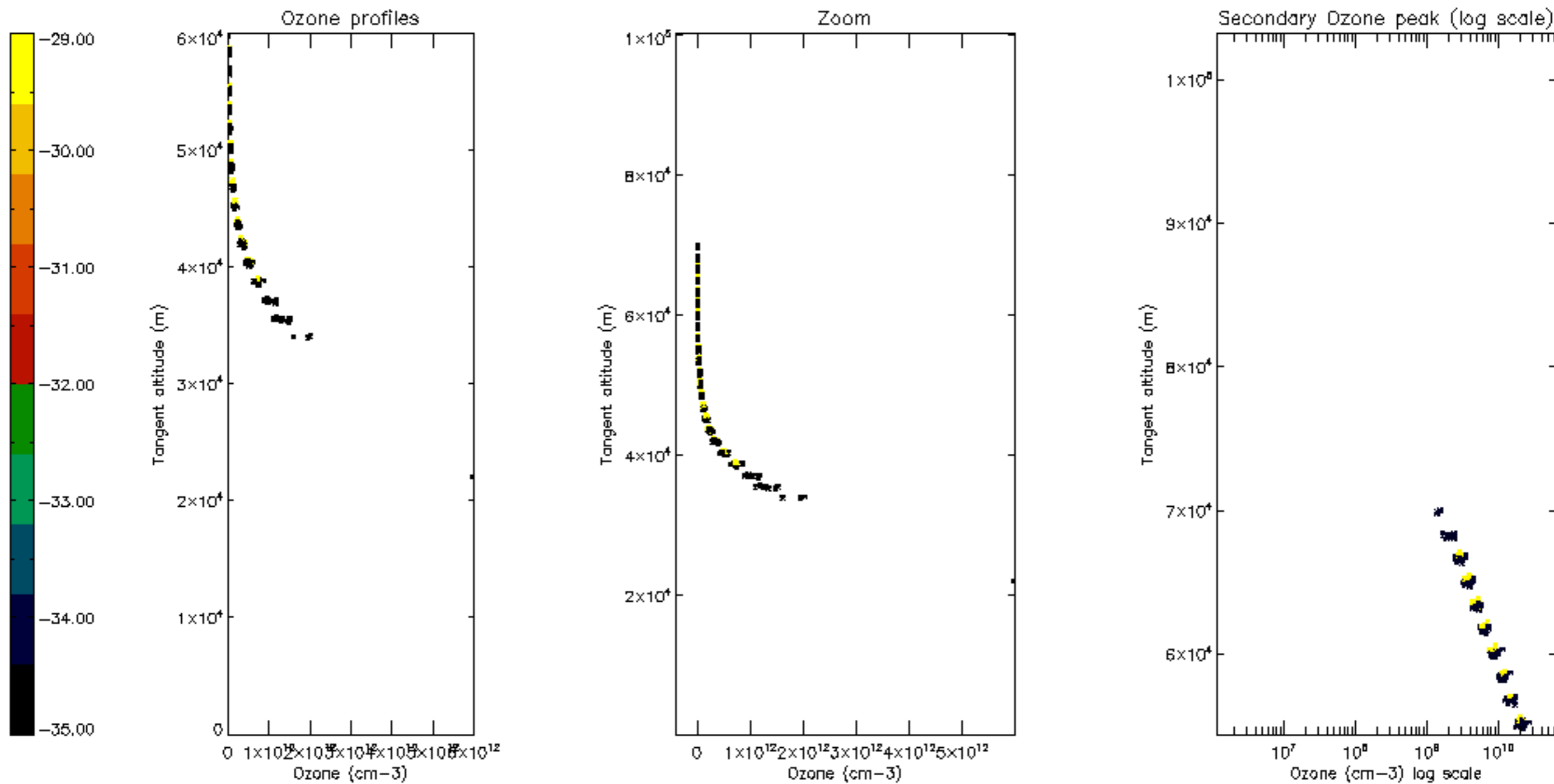
Percentage of saturation errors per profile

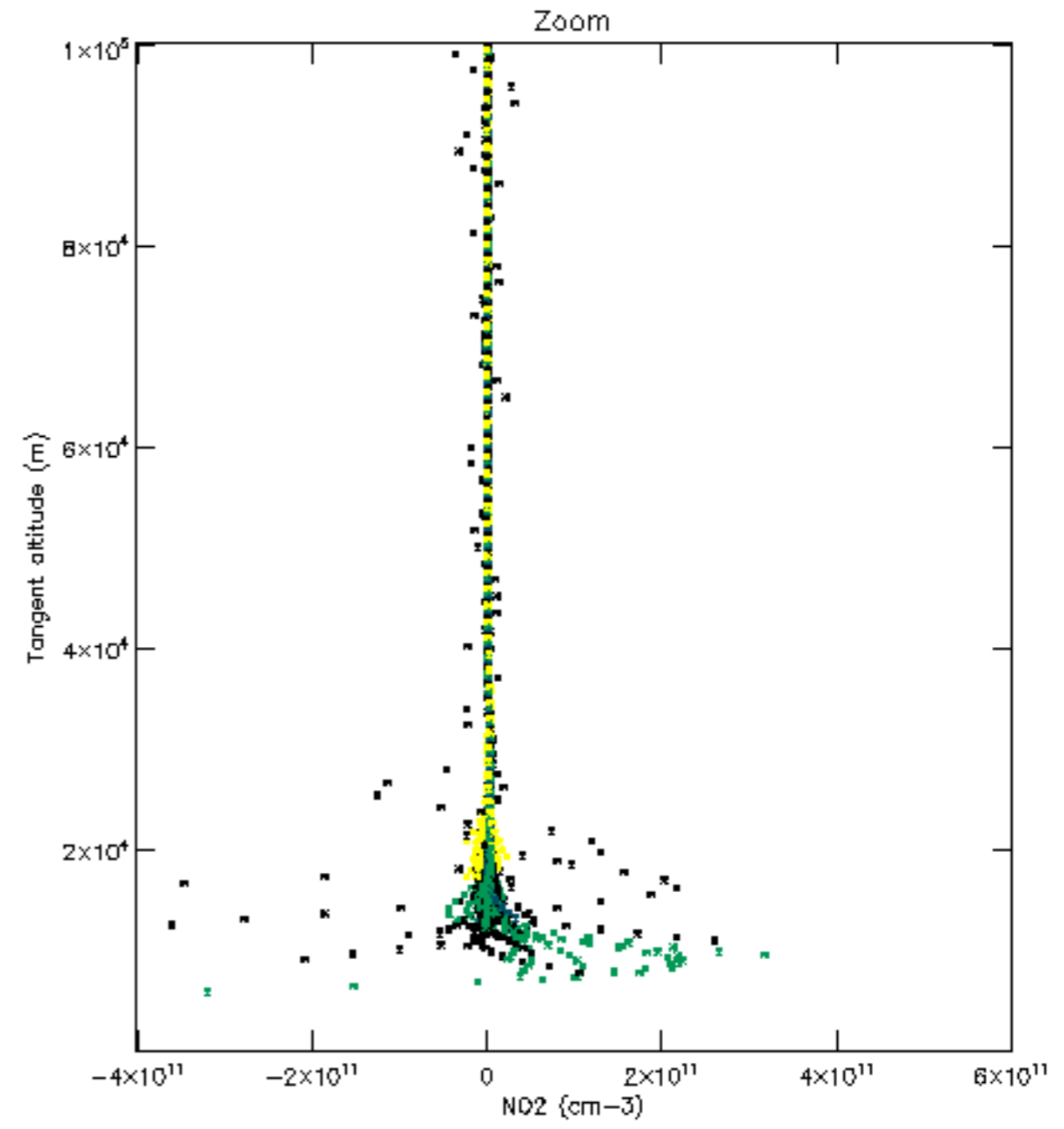
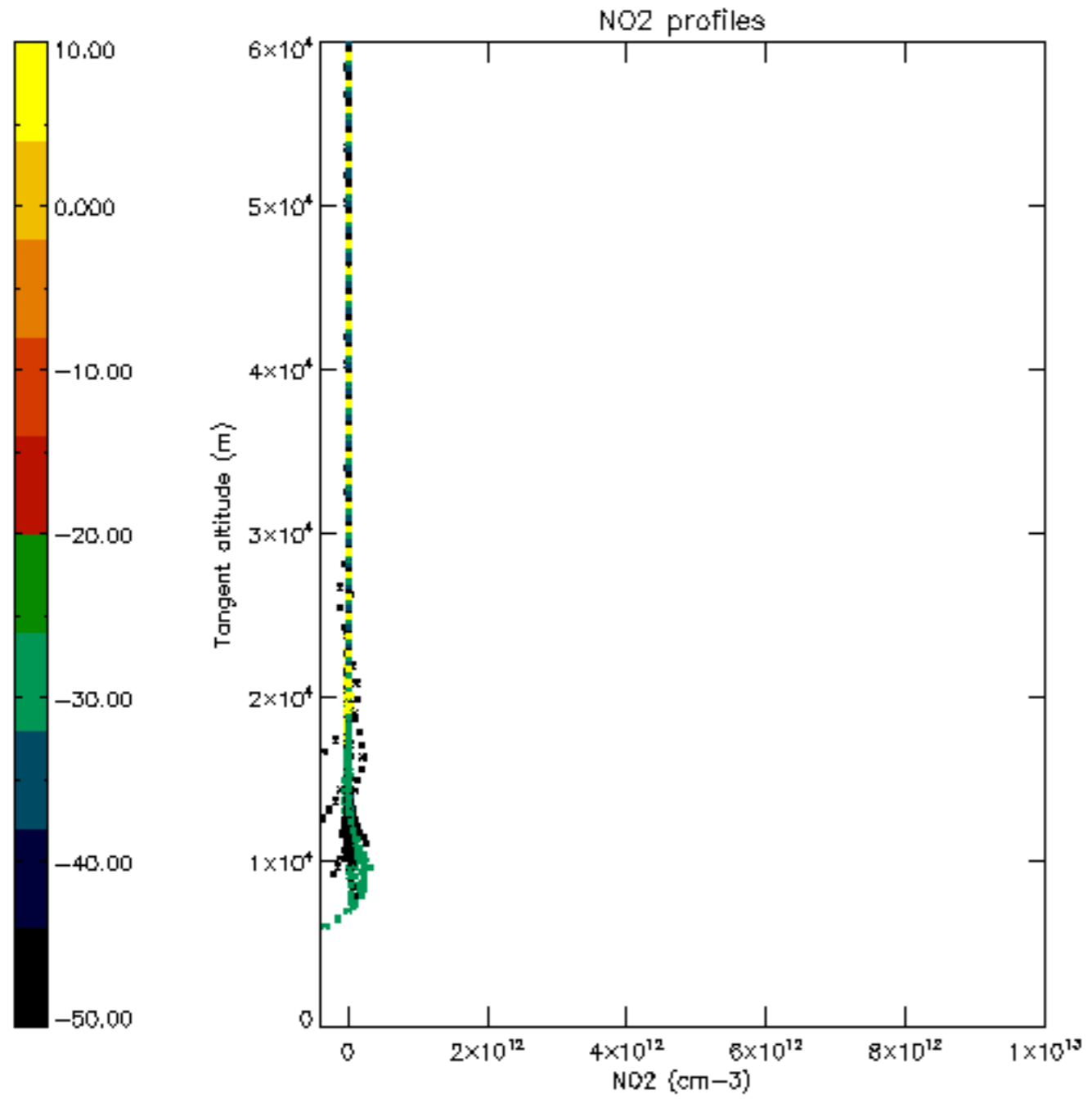


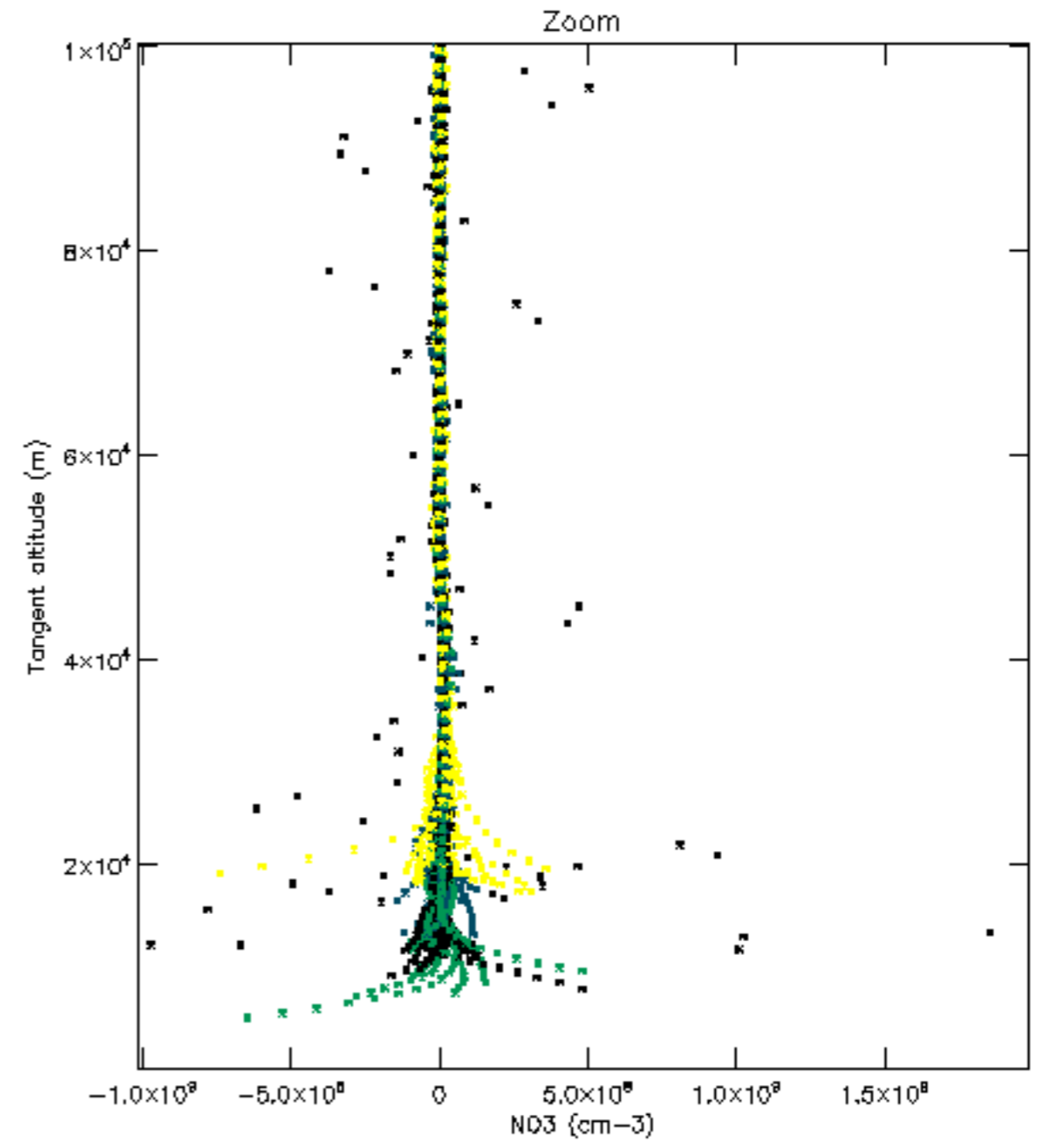
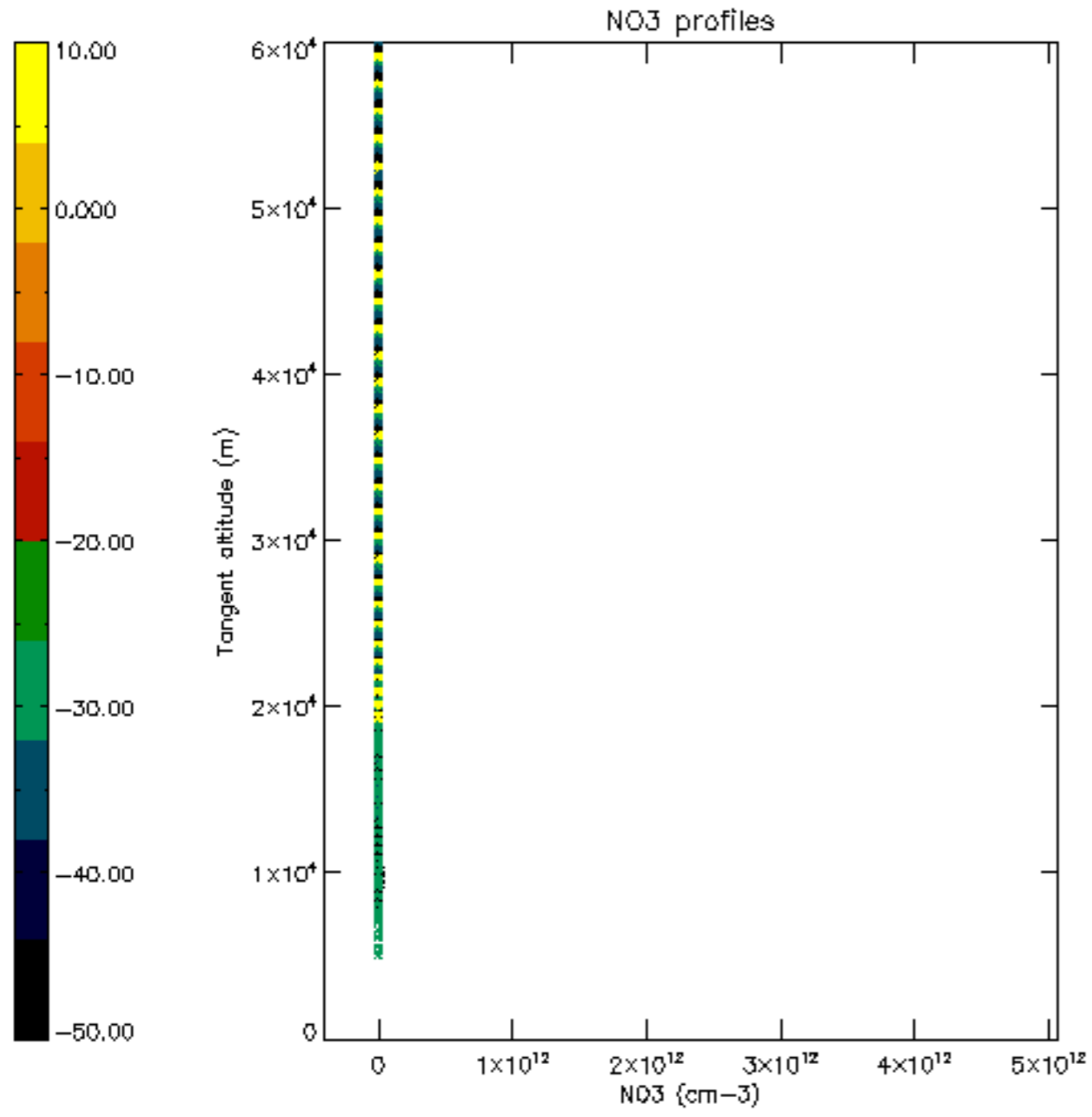


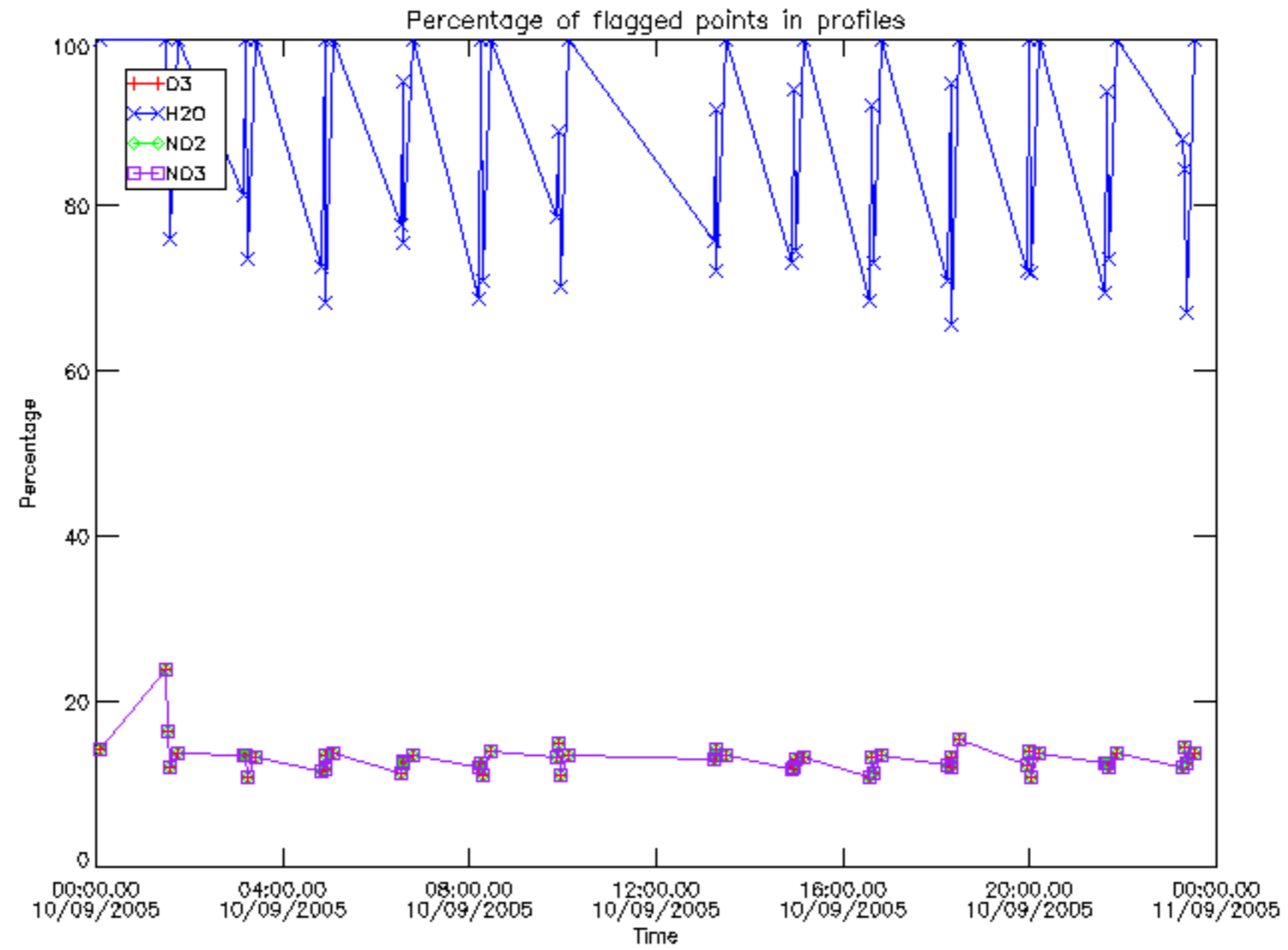




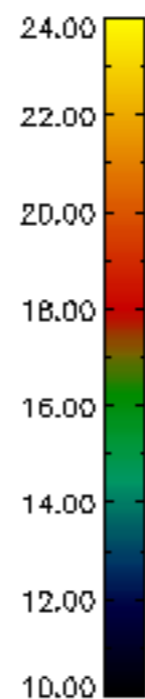
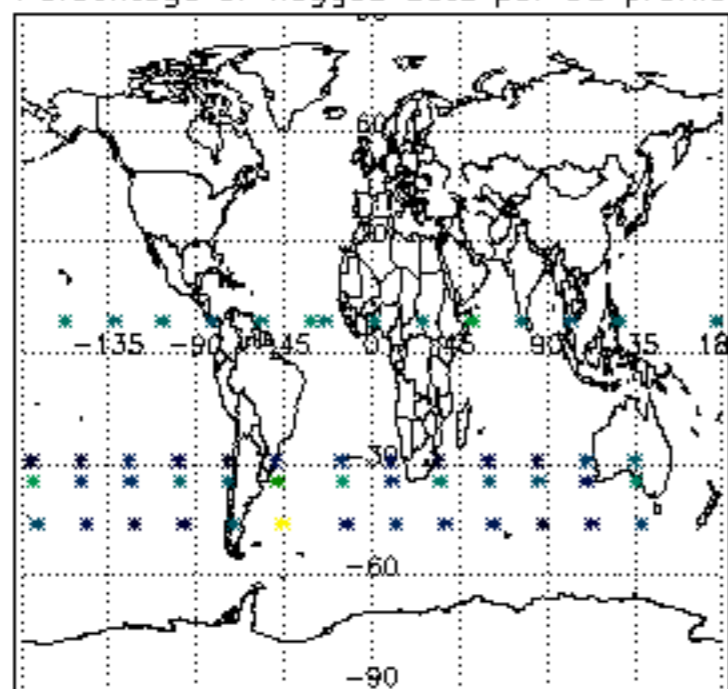




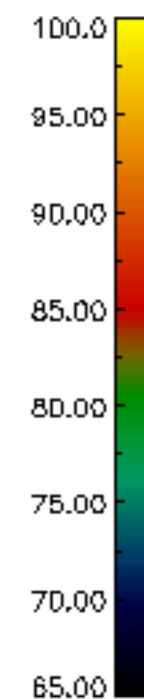
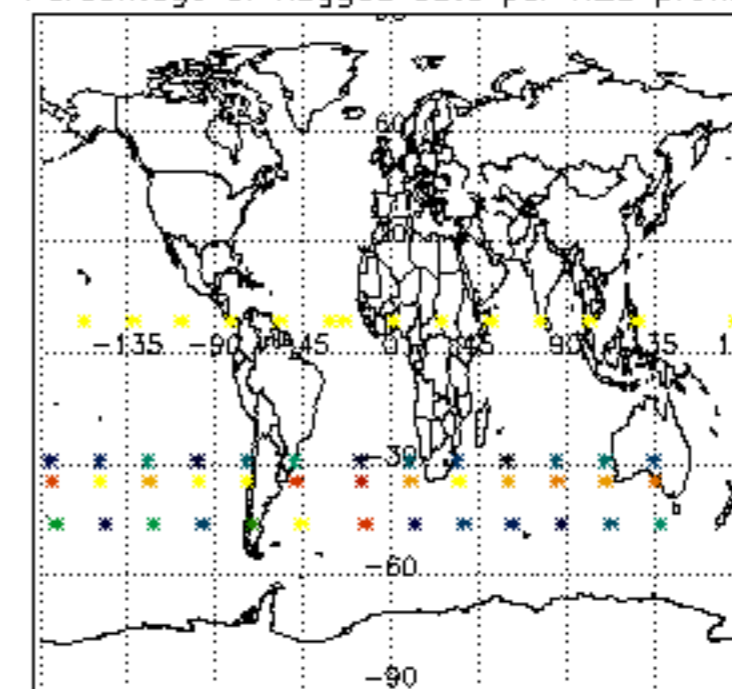




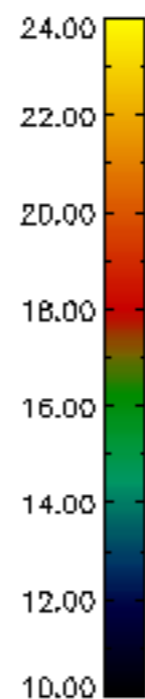
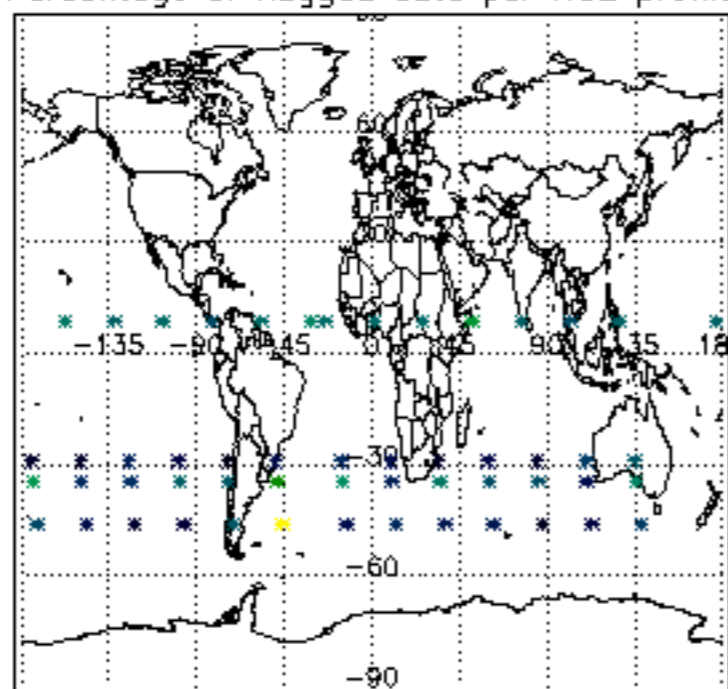
Percentage of flagged data per D3 profile



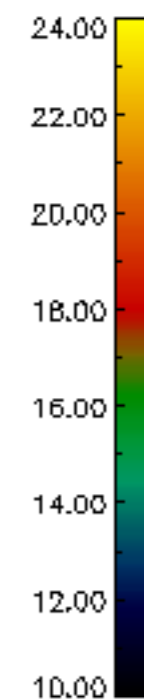
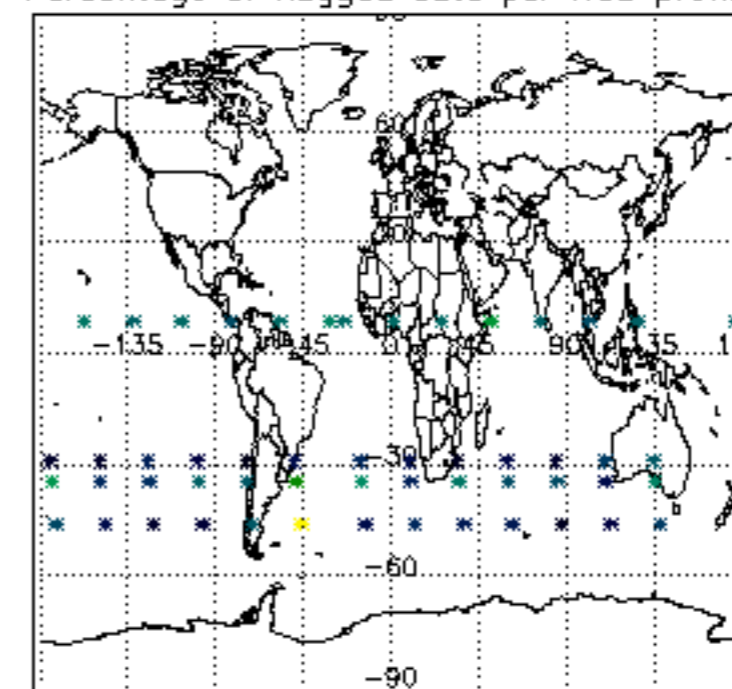
Percentage of flagged data per H2O profile

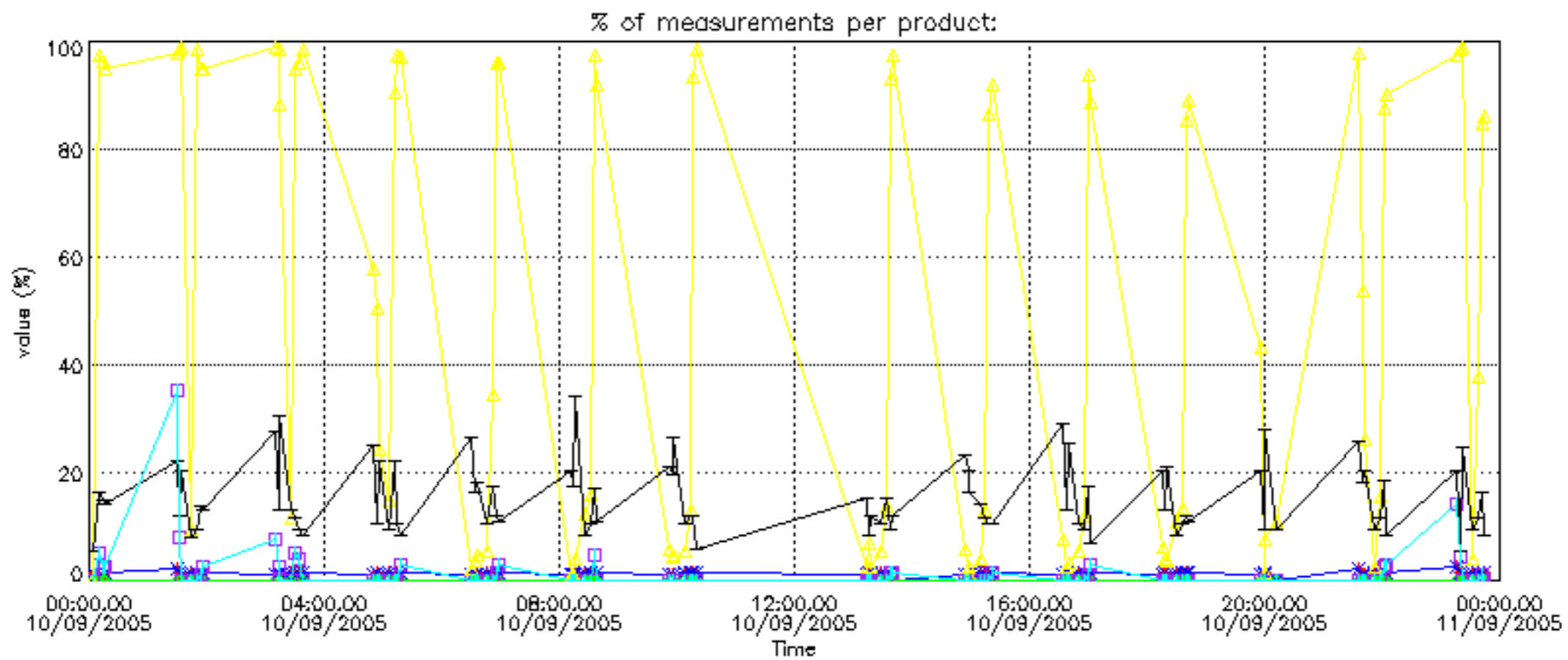


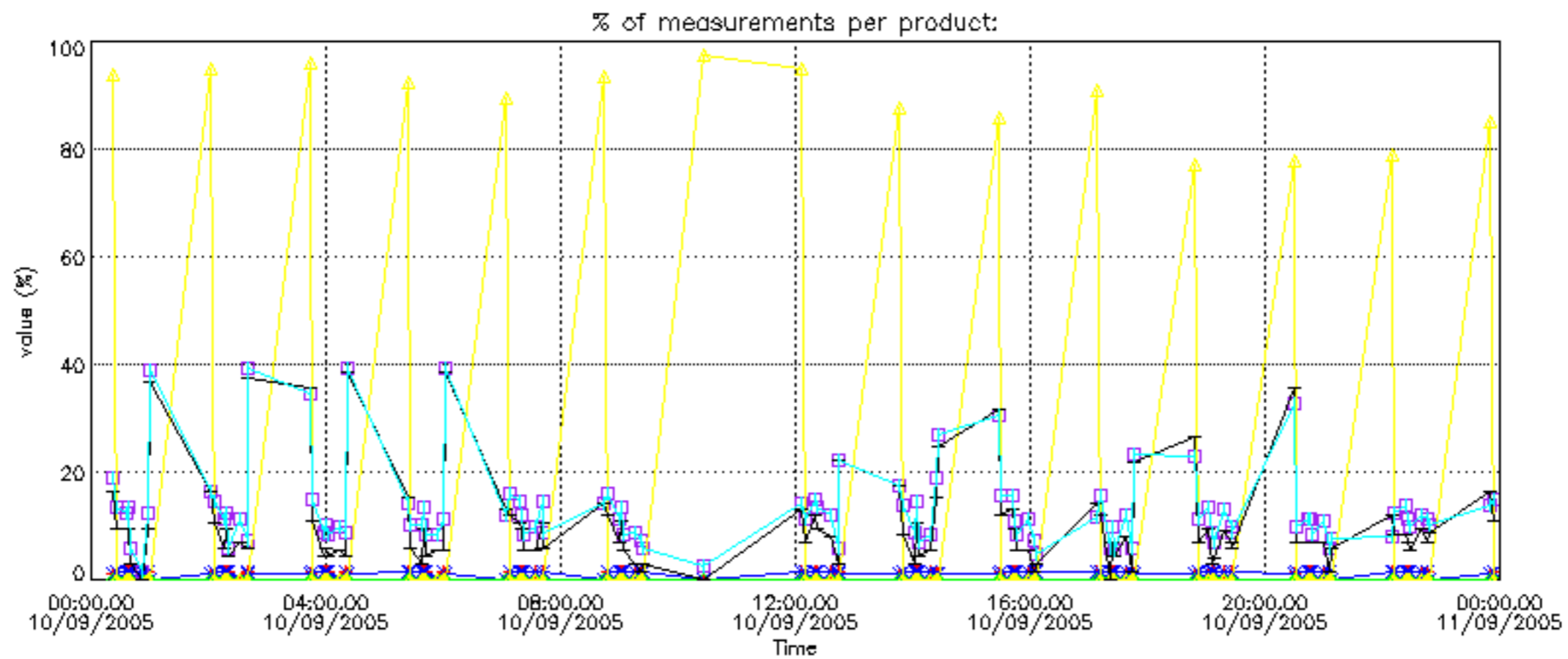
Percentage of flagged data per NO2 profile



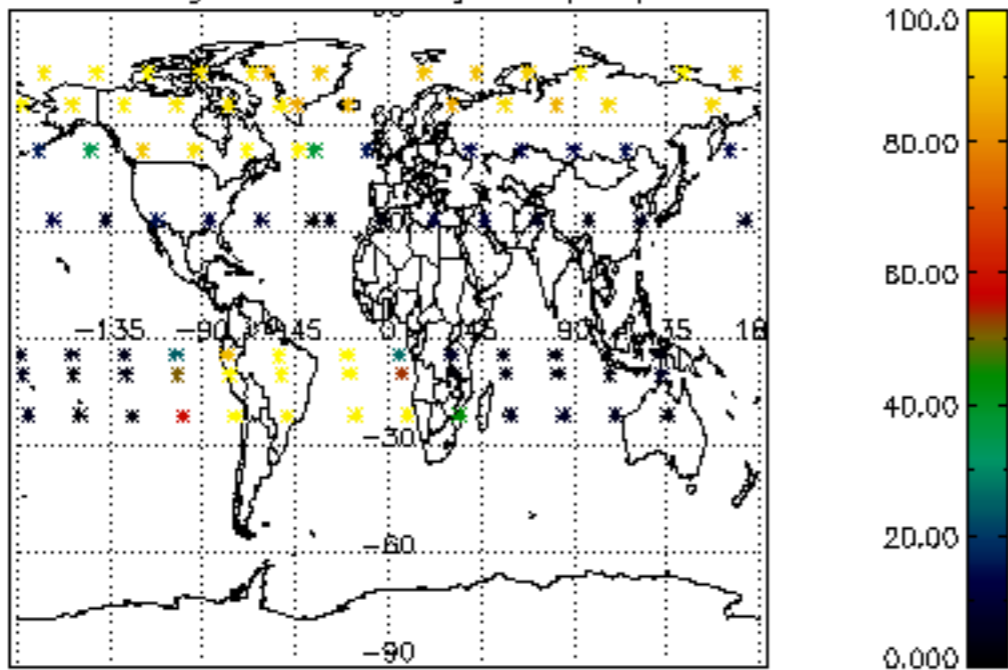
Percentage of flagged data per NO3 profile



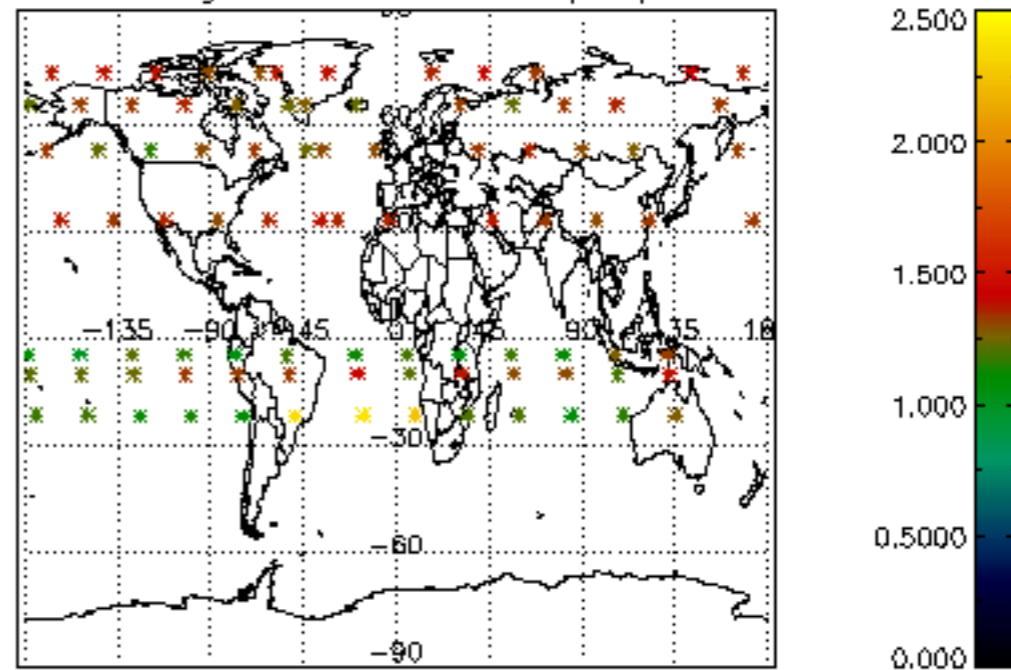




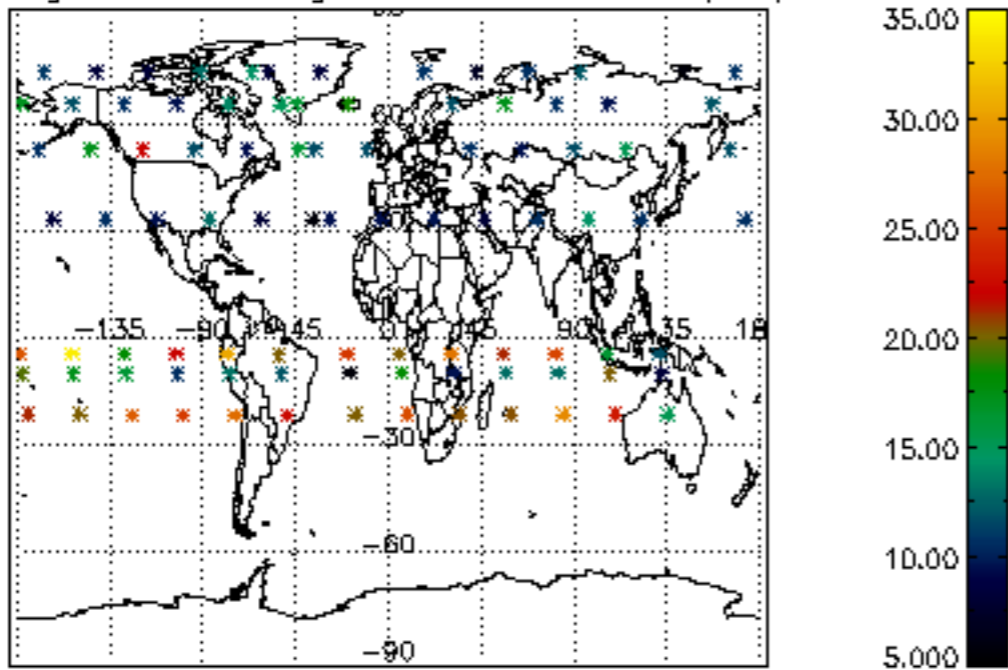
Percentage of cosmic ray hits per profile



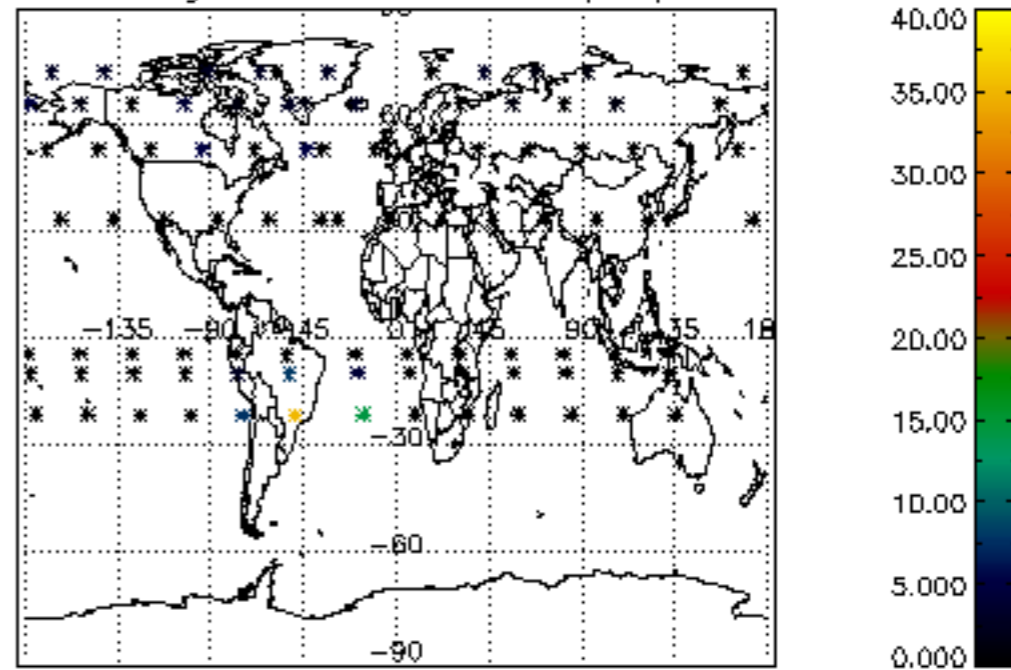
Percentage of datation errors per profile



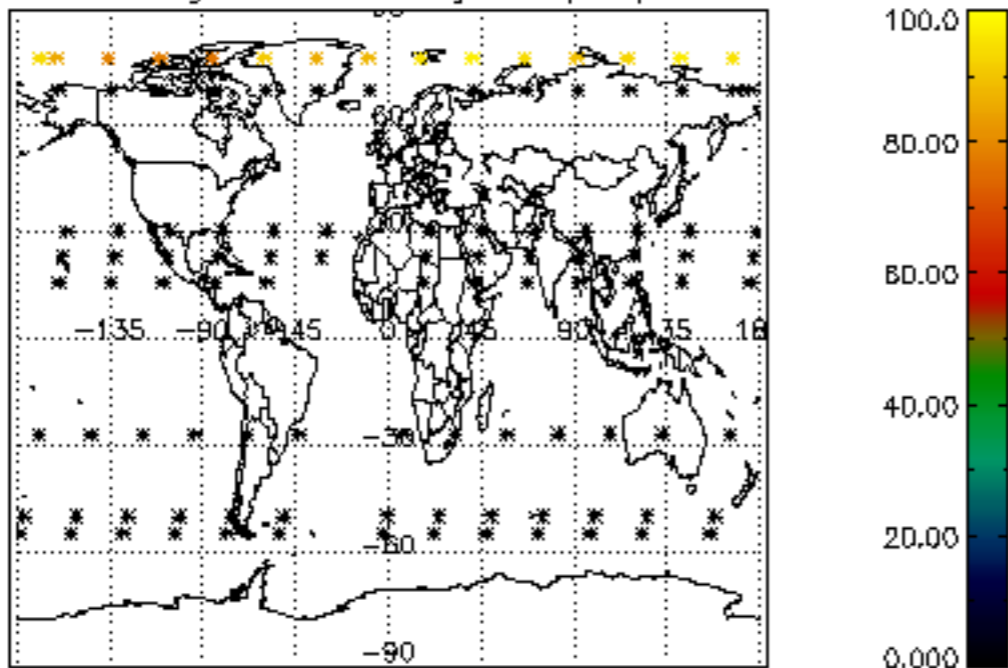
Percentage of star falling outside central band per profile



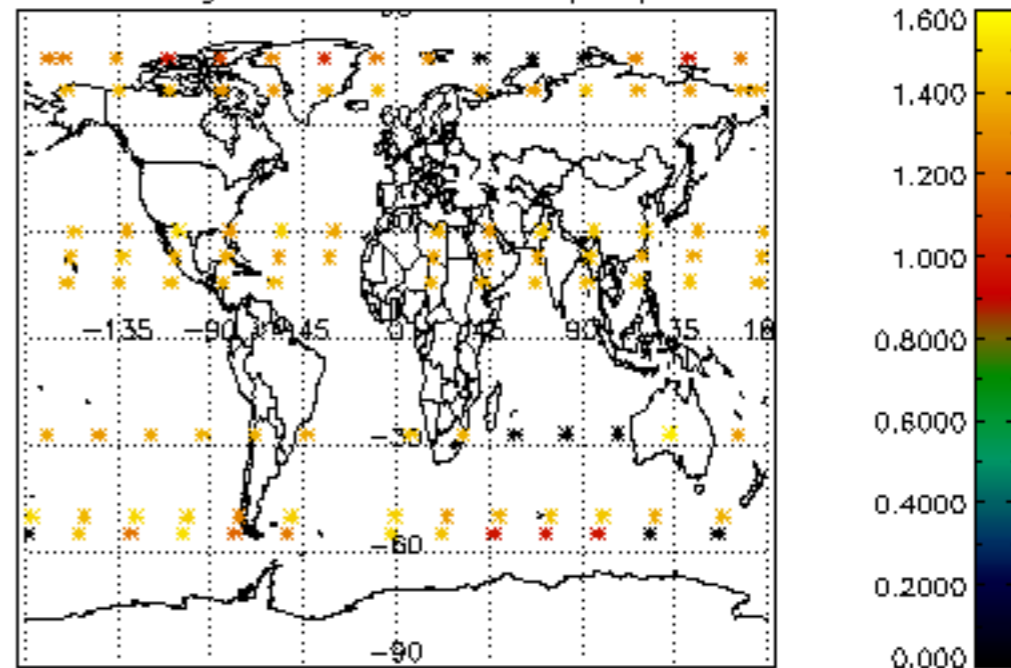
Percentage of saturation errors per profile



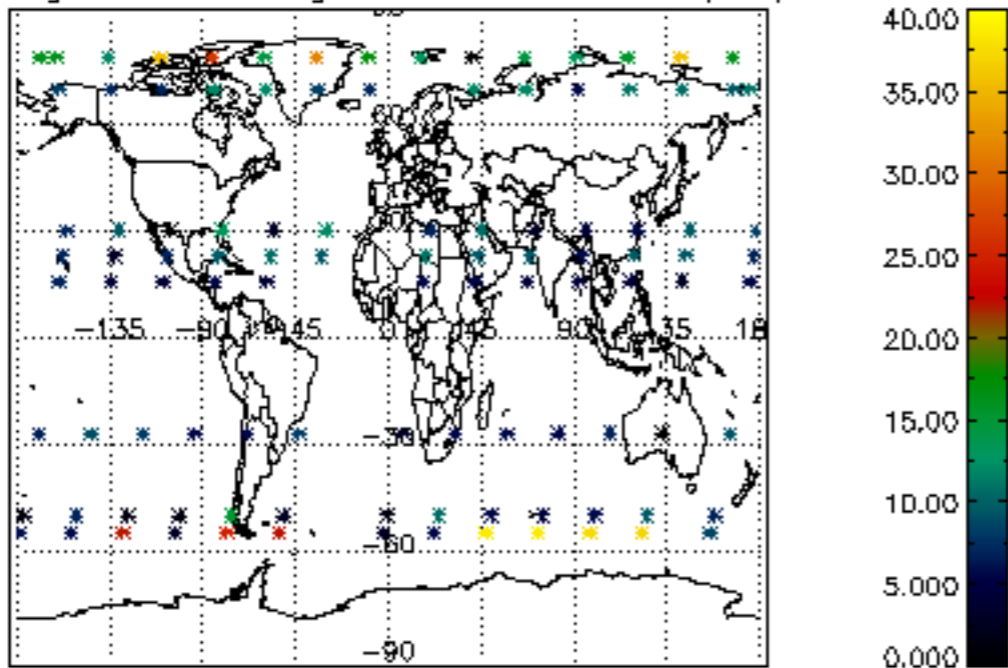
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

