

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	25APR2013 20:19:29
Data source version	GOMOS/6.01
Start time of products	27-09-2008 (27SEP2008 00:00:00)
Stop time of products	28-09-2008 (28SEP2008 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	132
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

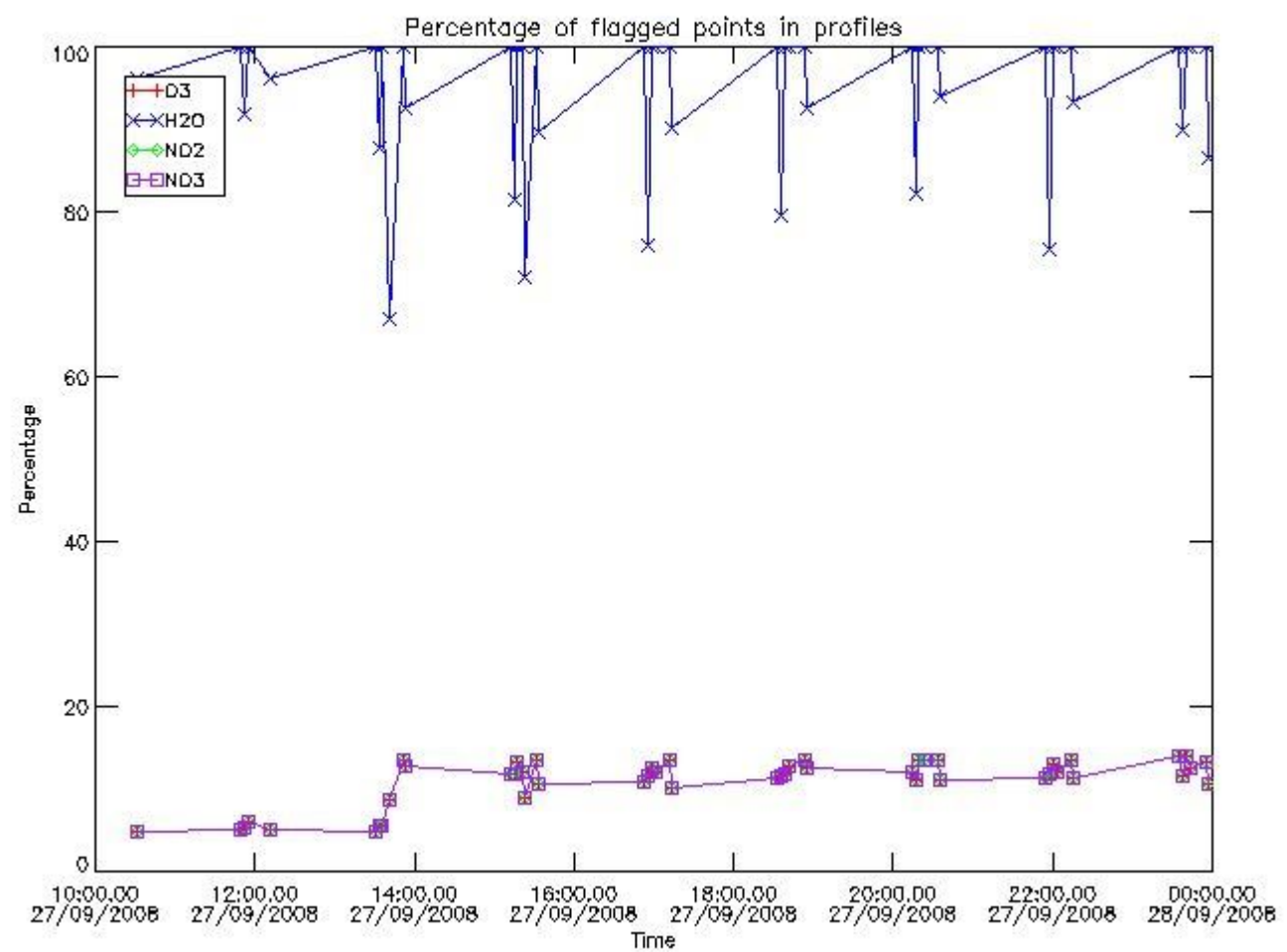
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20080927_103039_000001052072_00266_34388_9161.N1	27-SEP-2008 10:30:39	Dark	105.00	9	Alp Eri	0.45300	24000.	210	34388	No
2	GOM_NL__2PRFIN20080927_103604_000000952072_00266_34388_9162.N1	27-SEP-2008 10:36:04	Straylight	94.500	84	Alp Phe	2.3970	4500.0	189	34388	No
3	GOM_NL__2PRFIN20080927_104301_000001082072_00266_34388_9163.N1	27-SEP-2008 10:43:01	Straylight	107.50	52	16Bet Cet	2.0370	4500.0	215	34388	No
4	GOM_NL__2PRFIN20080927_105326_000000882072_00266_34388_9164.N1	27-SEP-2008 10:53:26	Bright	87.500	90	54Alp Peg	2.4870	11000.	175	34388	No
5	GOM_NL__2PRFIN20080927_105707_000000892072_00266_34388_9165.N1	27-SEP-2008 10:57:07	Bright	88.500	93	53Bet Peg	2.5200	3100.0	177	34388	No
6	GOM_NL__2PRFIN20080927_110640_000000992072_00266_34388_9166.N1	27-SEP-2008 11:06:40	Bright	98.500	68	18Alp Cas	2.2250	4500.0	197	34388	No
7	GOM_NL__2PRFIN20080927_111428_000000892072_00266_34388_9167.N1	27-SEP-2008 11:14:28	Bright	88.500	49	1Alp UMi	1.9900	6300.0	177	34388	No
8	GOM_NL__2PRFIN20080927_112219_000000842072_00266_34388_9168.N1	27-SEP-2008 11:22:19	Bright	84.000	36	50Alp UMa	1.8000	6300.0	168	34388	No
9	GOM_NL__2PRFIN20080927_113338_000000862072_00266_34388_9169.N1	27-SEP-2008 11:33:38	Bright	85.500	166	17Eps Leo	2.9800	6000.0	171	34388	No
10	GOM_NL__2PRFIN20080927_114303_000000992072_00266_34388_9170.N1	27-SEP-2008 11:43:03	Twilight	99.000	48	30Alp Hya	1.9770	4100.0	198	34388	No
11	GOM_NL__2PRFIN20080927_114943_000001002072_00266_34388_9171.N1	27-SEP-2008 11:49:43	Dark	100.00	132	15Rho Pup	2.8030	6900.0	200	34388	No
12	GOM_NL__2PRFIN20080927_115245_000000982072_00266_34388_9172.N1	27-SEP-2008 11:52:45	Dark	97.500	65	Lam Vel	2.2040	4400.0	195	34388	No
13	GOM_NL__2PRFIN20080927_115511_000000922072_00266_34388_9173.N1	27-SEP-2008 11:55:11	Dark	92.000	34	Gam2Vel	1.7930	23000.	184	34388	No
14	GOM_NL__2PRFIN20080927_121115_000001022072_00267_34389_9174.N1	27-SEP-2008 12:11:15	Dark	101.50	9	Alp Eri	0.45300	24000.	203	34389	No
15	GOM_NL__2PRFIN20080927_121641_000000962072_00267_34389_9175.N1	27-SEP-2008 12:16:41	Straylight	96.000	84	Alp Phe	2.3970	4500.0	192	34389	No
16	GOM_NL__2PRFIN20080927_122337_000001052072_00267_34389_9176.N1	27-SEP-2008 12:23:37	Straylight	105.00	52	16Bet Cet	2.0370	4500.0	210	34389	No
17	GOM_NL__2PRFIN20080927_123402_000000872072_00267_34389_9177.N1	27-SEP-2008 12:34:02	Bright	87.000	90	54Alp Peg	2.4870	11000.	174	34389	No
18	GOM_NL__2PRFIN20080927_123743_000000882072_00267_34389_9178.N1	27-SEP-2008 12:37:43	Bright	87.500	93	53Bet Peg	2.5200	3100.0	175	34389	No
19	GOM_NL__2PRFIN20080927_124715_000000982072_00267_34389_9179.N1	27-SEP-2008 12:47:15	Bright	97.500	68	18Alp Cas	2.2250	4500.0	195	34389	No
20	GOM_NL__2PRFIN20080927_125503_000000882072_00267_34389_9180.N1	27-SEP-2008 12:55:03	Bright	88.000	49	1Alp UMi	1.9900	6300.0	176	34389	No
21	GOM_NL__2PRFIN20080927_130255_000000872072_00267_34389_9181.N1	27-SEP-2008 13:02:55	Bright	87.000	36	50Alp UMa	1.8000	6300.0	174	34389	No
22	GOM_NL__2PRFIN20080927_131413_000000852072_00267_34389_9182.N1	27-SEP-2008 13:14:13	Bright	85.000	166	17Eps Leo	2.9800	6000.0	170	34389	No
23	GOM_NL__2PRFIN20080927_132339_000001012072_00267_34389_9183.N1	27-SEP-2008 13:23:39	Twilight	101.00	48	30Alp Hya	1.9770	4100.0	202	34389	No
24	GOM_NL__2PRFIN20080927_133020_000001042072_00267_34389_9184.N1	27-SEP-2008 13:30:20	Dark	104.00	132	15Rho Pup	2.8030	6900.0	208	34389	No
25	GOM_NL__2PRFIN20080927_133321_000000942072_00267_34389_9185.N1	27-SEP-2008 13:33:21	Dark	93.500	65	Lam Vel	2.2040	4400.0	187	34389	No
26	GOM_NL__2PRFIN20080927_133547_000000912072_00267_34389_9186.N1	27-SEP-2008 13:35:47	Dark	90.500	34	Gam2Vel	1.7930	23000.	181	34389	No
27	GOM_NL__2PRFIN20080927_134139_000000582072_00268_34390_9183.N1	27-SEP-2008 13:41:39	Dark	58.000	2	Alp Car	-0.73600	7000.0	116	34390	No
28	GOM_NL__2PRFIN20080927_135116_000000382072_00268_34390_9184.N1	27-SEP-2008 13:51:16	Dark	38.000	143	Alp Hyi	2.8570	7200.0	76	34390	No
29	GOM_NL__2PRFIN20080927_135244_000000402072_00268_34390_9185.N1	27-SEP-2008 13:52:44	Dark	40.000	9	Alp Eri	0.45300	24000.	80	34390	No
30	GOM_NL__2PRFIN20080927_135810_000000402072_00268_34390_9186.N1	27-SEP-2008 13:58:10	Straylight	40.000	84	Alp Phe	2.3970	4500.0	80	34390	No
31	GOM_NL__2PRFIN20080927_140513_000000462072_00268_34390_9187.N1	27-SEP-2008 14:05:13	Straylight	46.000	52	16Bet Cet	2.0370	4500.0	92	34390	No
32	GOM_NL__2PRFIN20080927_141529_000000372072_00268_34390_9188.N1	27-SEP-2008 14:15:29	Bright	36.500	90	54Alp Peg	2.4870	11000.	73	34390	No
33	GOM_NL__2PRFIN20080927_141909_000000462072_00268_34390_9189.N1	27-SEP-2008 14:19:09	Bright	46.000	93	53Bet Peg	2.5200	3100.0	92	34390	No
34	GOM_NL__2PRFIN20080927_142846_000000392072_00268_34390_9190.N1	27-SEP-2008 14:28:46	Bright	39.000	74	11Bet Cas	2.2680	6600.0	78	34390	No
35	GOM_NL__2PRFIN20080927_143013_000000412072_00268_34390_9191.N1	27-SEP-2008 14:30:13	Bright	41.000	76	27Gam Cas	2.3000	30000.	82	34390	No
36	GOM_NL__2PRFIN20080927_143631_000000372072_00268_34390_9192.N1	27-SEP-2008 14:36:31	Bright	37.000	49	1Alp UMi	1.9900	6300.0	74	34390	No
37	GOM_NL__2PRFIN20080927_144422_000000372072_00268_34390_9193.N1	27-SEP-2008 14:44:22	Bright	36.500	36	50Alp UMa	1.8000	6300.0	73	34390	No
38	GOM_NL__2PRFIN20080927_144552_000000352072_00268_34390_9194.N1	27-SEP-2008 14:45:52	Bright	35.000	82	48Bet UMa	2.3650	10600.	70	34390	No
39	GOM_NL__2PRFIN20080927_145541_000000342072_00268_34390_9195.N1	27-SEP-2008 14:55:41	Bright	34.000	166	17Eps Leo	2.9800	6000.0	68	34390	No
40	GOM_NL__2PRFIN20080927_150507_000000522072_00268_34390_9196.N1	27-SEP-2008 15:05:07	Twilight	51.500	48	30Alp Hya	1.9770	4100.0	103	34390	No
41	GOM_NL__2PRFIN20080927_151154_000000432072_00268_34390_9197.N1	27-SEP-2008 15:11:54	Dark	43.000	132	15Rho Pup	2.8030	6900.0	86	34390	No
42	GOM_NL__2PRFIN20080927_151448_000000442072_00268_34390_9198.N1	27-SEP-2008 15:14:48	Dark	43.500	65	Lam Vel	2.2040	4400.0	87	34390	No

102	GOM_NL__2PRFIN20080927_210133_000000382072_00272_34394_9252.N1	27-SEP-2008 21:01:33	Bright	38.000	93	53Bet Peg	2.5200	3100.0	76	34394	No
103	GOM_NL__2PRFIN20080927_211109_000000392072_00272_34394_9253.N1	27-SEP-2008 21:11:09	Bright	38.500	74	11Bet Cas	2.2680	6600.0	77	34394	No
104	GOM_NL__2PRFIN20080927_211235_000000402072_00272_34394_9254.N1	27-SEP-2008 21:12:35	Bright	39.500	76	27Gam Cas	2.3000	30000.	79	34394	No
105	GOM_NL__2PRFIN20080927_211855_000000372072_00272_34394_9255.N1	27-SEP-2008 21:18:55	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	34394	No
106	GOM_NL__2PRFIN20080927_212646_000000352072_00272_34394_9256.N1	27-SEP-2008 21:26:46	Bright	34.500	36	50Alp UMa	1.8000	6300.0	69	34394	No
107	GOM_NL__2PRFIN20080927_212816_000000342072_00272_34394_9257.N1	27-SEP-2008 21:28:16	Bright	33.500	82	48Bet UMa	2.3650	10600.	67	34394	No
108	GOM_NL__2PRFIN20080927_213806_000000352072_00272_34394_9258.N1	27-SEP-2008 21:38:06	Bright	34.500	166	17Eps Leo	2.9800	6000.0	69	34394	No
109	GOM_NL__2PRFIN20080927_214732_000000442072_00272_34394_9259.N1	27-SEP-2008 21:47:32	Twilight	43.500	48	30Alp Hya	1.9770	4100.0	87	34394	No
110	GOM_NL__2PRFIN20080927_215421_000000452072_00272_34394_9260.N1	27-SEP-2008 21:54:21	Dark	45.000	132	15Rho Pup	2.8030	6900.0	90	34394	No
111	GOM_NL__2PRFIN20080927_215713_000000432072_00272_34394_9261.N1	27-SEP-2008 21:57:13	Dark	43.000	65	Lam Vel	2.2040	4400.0	86	34394	No
112	GOM_NL__2PRFIN20080927_215942_000000392072_00272_34394_9262.N1	27-SEP-2008 21:59:42	Dark	39.000	34	Gam2Vel	1.7930	23000.	78	34394	No
113	GOM_NL__2PRFIN20080927_220319_000000432072_00273_34395_9259.N1	27-SEP-2008 22:03:19	Dark	42.500	161	Tau Pup	2.9310	4500.0	85	34395	No
114	GOM_NL__2PRFIN20080927_221418_000000382072_00273_34395_9260.N1	27-SEP-2008 22:14:18	Dark	37.500	143	Alp Hyi	2.8570	7200.0	75	34395	No
115	GOM_NL__2PRFIN20080927_221545_000000452072_00273_34395_9261.N1	27-SEP-2008 22:15:45	Dark	45.000	9	Alp Eri	0.45300	24000.	90	34395	No
116	GOM_NL__2PRFIN20080927_222111_000000382072_00273_34395_9262.N1	27-SEP-2008 22:21:11	Straylight	37.500	84	Alp Phe	2.3970	4500.0	75	34395	No
117	GOM_NL__2PRFIN20080927_222814_000000522072_00273_34395_9263.N1	27-SEP-2008 22:28:14	Straylight	51.500	52	16Bet Cet	2.0370	4500.0	103	34395	No
118	GOM_NL__2PRFIN20080927_223828_000000372072_00273_34395_9264.N1	27-SEP-2008 22:38:28	Bright	37.000	90	54Alp Peg	2.4870	11000.	74	34395	No
119	GOM_NL__2PRFIN20080927_224209_000000352072_00273_34395_9265.N1	27-SEP-2008 22:42:09	Bright	35.000	93	53Bet Peg	2.5200	3100.0	70	34395	No
120	GOM_NL__2PRFIN20080927_225144_000000392072_00273_34395_9266.N1	27-SEP-2008 22:51:44	Bright	39.000	74	11Bet Cas	2.2680	6600.0	78	34395	No
121	GOM_NL__2PRFIN20080927_225310_000000392072_00273_34395_9267.N1	27-SEP-2008 22:53:10	Bright	39.000	76	27Gam Cas	2.3000	30000.	78	34395	No
122	GOM_NL__2PRFIN20080927_225931_000000362072_00273_34395_9268.N1	27-SEP-2008 22:59:31	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	34395	No
123	GOM_NL__2PRFIN20080927_230722_000000372072_00273_34395_9269.N1	27-SEP-2008 23:07:22	Bright	37.000	36	50Alp UMa	1.8000	6300.0	74	34395	No
124	GOM_NL__2PRFIN20080927_230852_000000522072_00273_34395_9270.N1	27-SEP-2008 23:08:52	Bright	52.000	82	48Bet UMa	2.3650	10600.	104	34395	No
125	GOM_NL__2PRFIN20080927_231842_000000342072_00273_34395_9271.N1	27-SEP-2008 23:18:42	Bright	34.000	166	17Eps Leo	2.9800	6000.0	68	34395	No
126	GOM_NL__2PRFIN20080927_232808_000000462072_00273_34395_9272.N1	27-SEP-2008 23:28:08	Twilight	46.000	48	30Alp Hya	1.9770	4100.0	92	34395	No
127	GOM_NL__2PRFIN20080927_233457_000000442072_00273_34395_9273.N1	27-SEP-2008 23:34:57	Dark	44.000	132	15Rho Pup	2.8030	6900.0	88	34395	No
128	GOM_NL__2PRFIN20080927_233749_000000452072_00273_34395_9274.N1	27-SEP-2008 23:37:49	Dark	44.500	65	Lam Vel	2.2040	4400.0	89	34395	No
129	GOM_NL__2PRFIN20080927_234018_000000402072_00273_34395_9275.N1	27-SEP-2008 23:40:18	Dark	40.000	34	Gam2Vel	1.7930	23000.	80	34395	No
130	GOM_NL__2PRFIN20080927_234356_000000412072_00274_34396_9285.N1	27-SEP-2008 23:43:56	Dark	41.000	161	Tau Pup	2.9310	4500.0	82	34396	No
131	GOM_NL__2PRFIN20080927_235454_000000392072_00274_34396_9286.N1	27-SEP-2008 23:54:54	Dark	38.500	143	Alp Hyi	2.8570	7200.0	77	34396	No
132	GOM_NL__2PRFIN20080927_235622_000000492072_00274_34396_9287.N1	27-SEP-2008 23:56:22	Dark	48.500	9	Alp Eri	0.45300	24000.	97	34396	No

3. Quality information per product

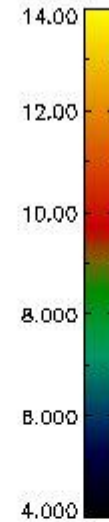
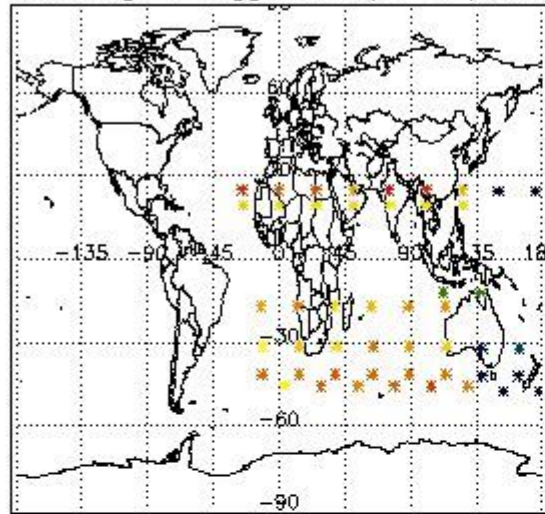
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

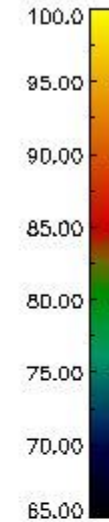
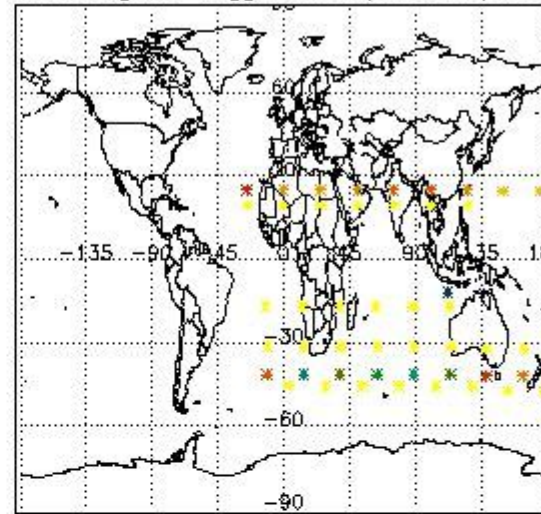


3.2 Plot quality information per product (world map)

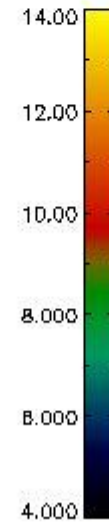
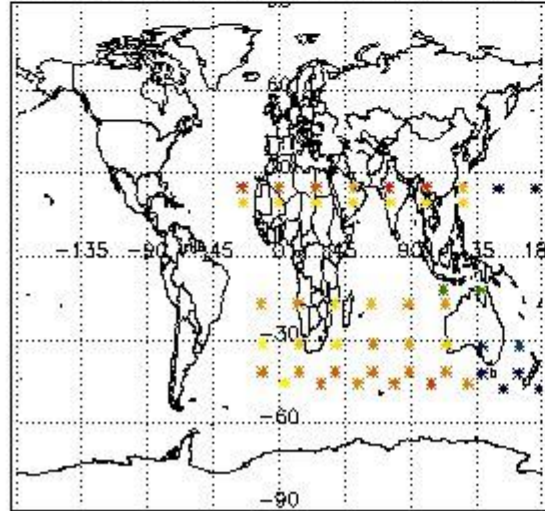
Percentage of flagged data per O3 profile



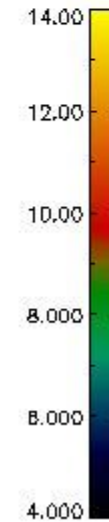
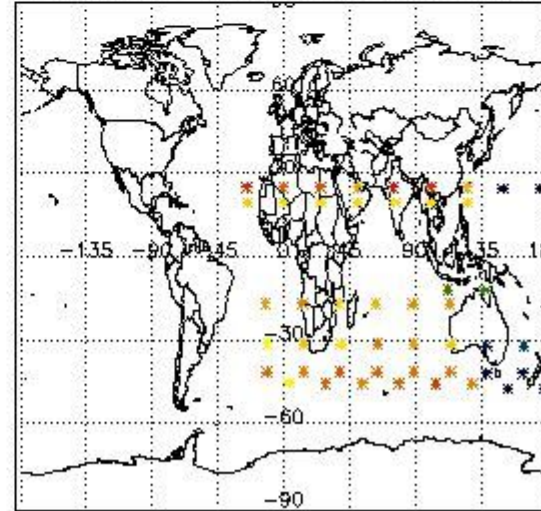
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

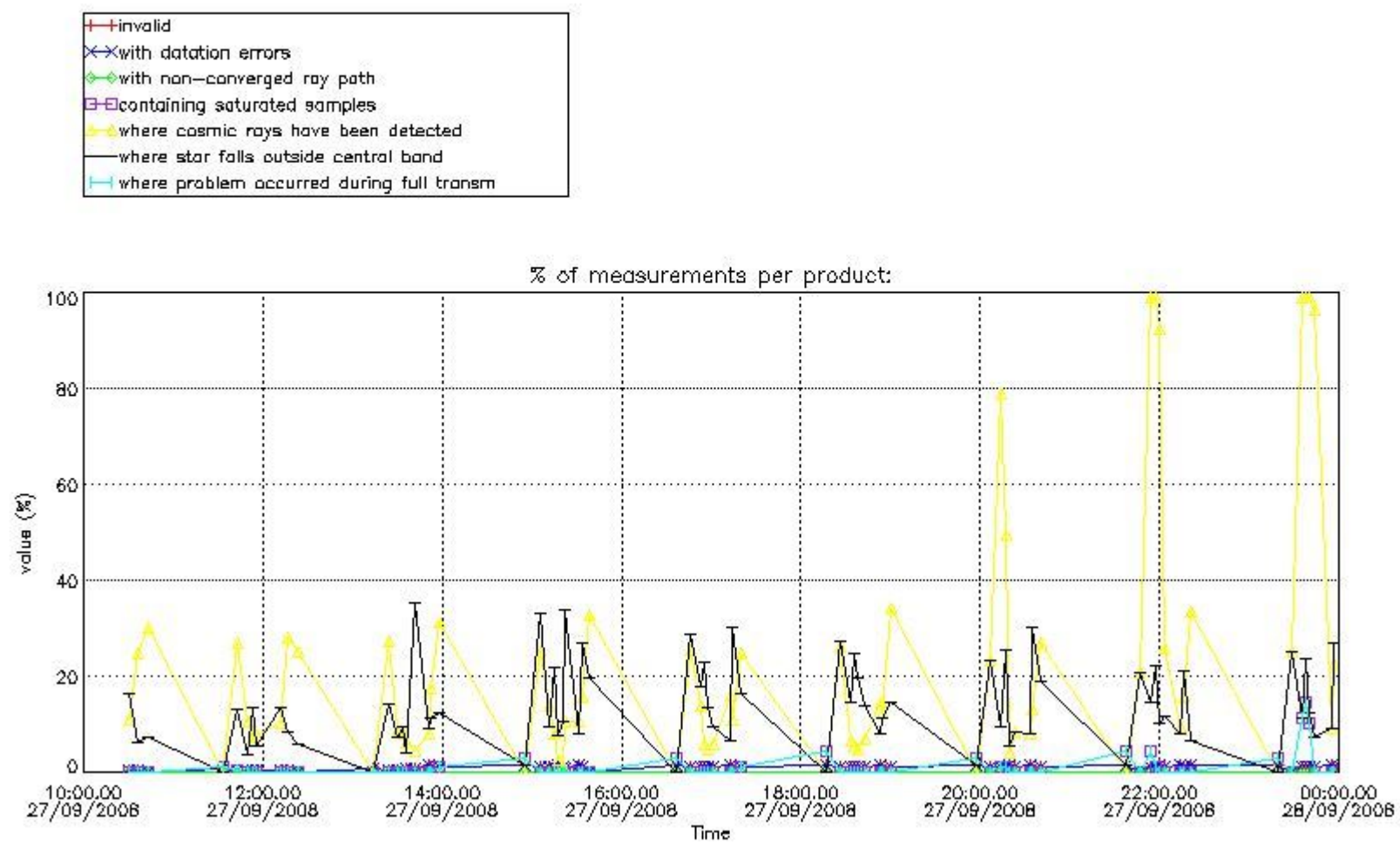


4. Level 1 quality information per product

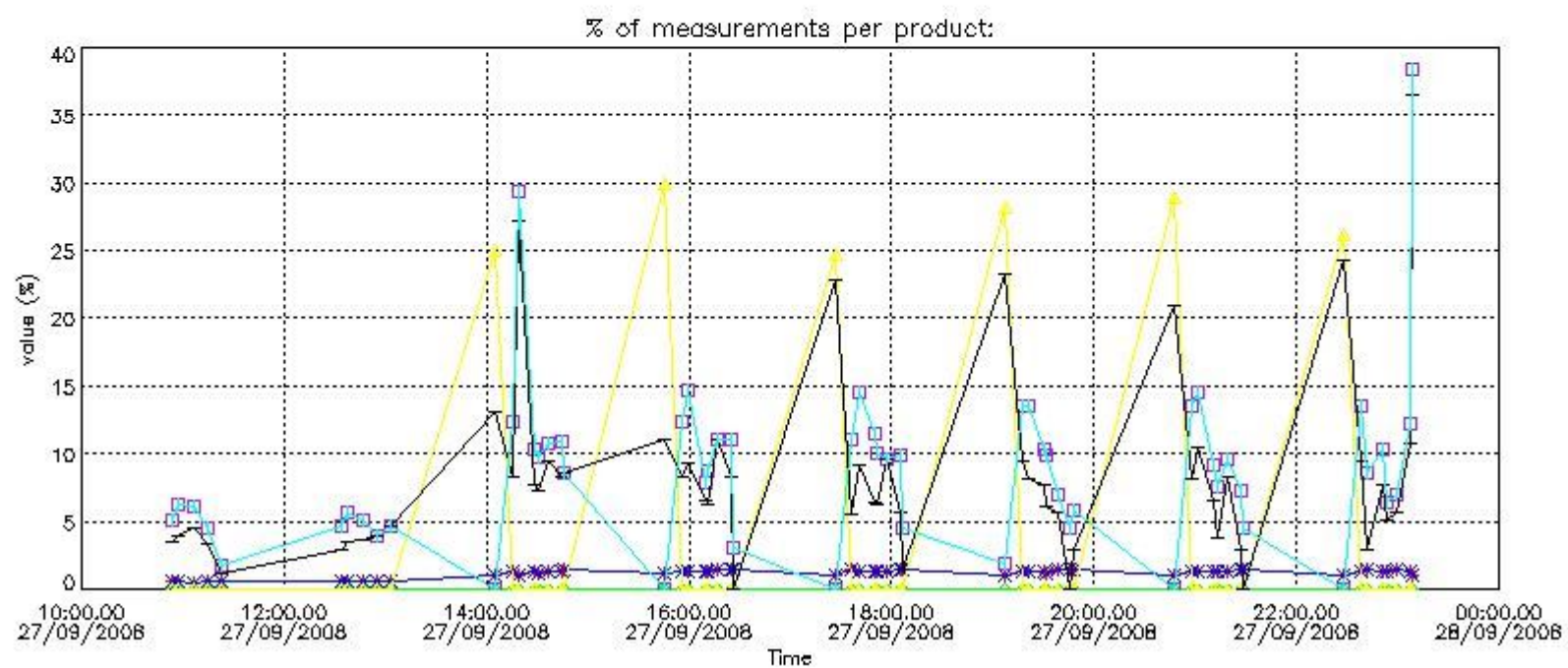
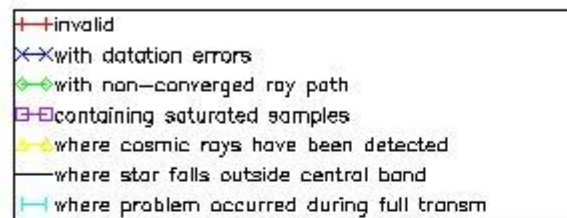
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



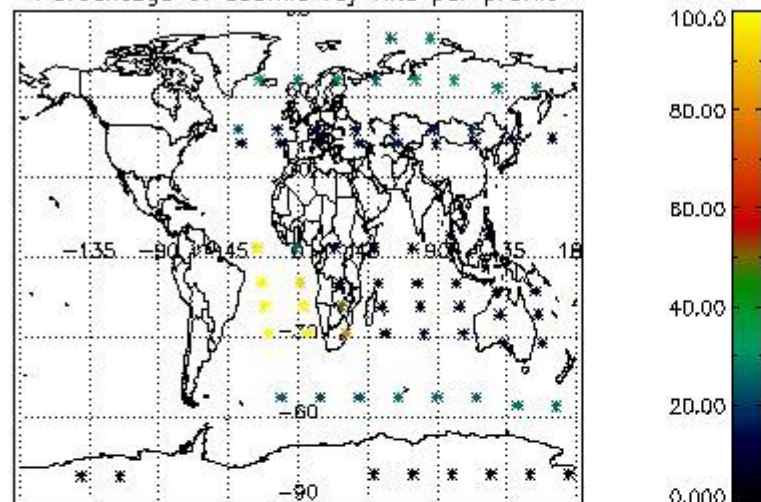
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



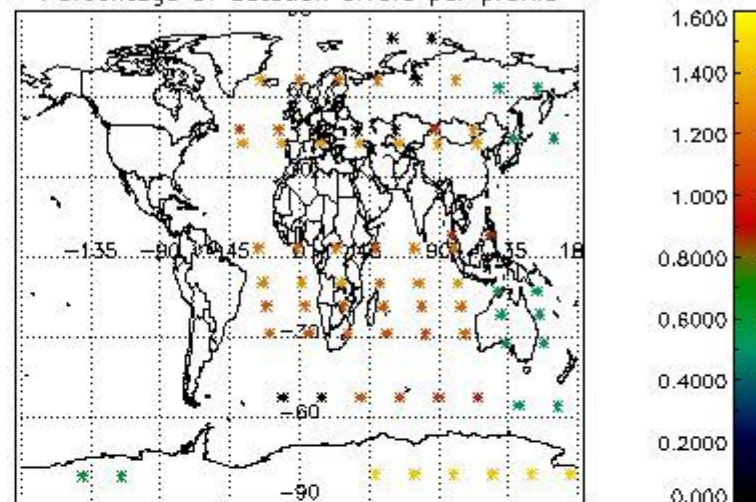
4.2 Plot quality information per product coming from level 1b processing (world map)

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

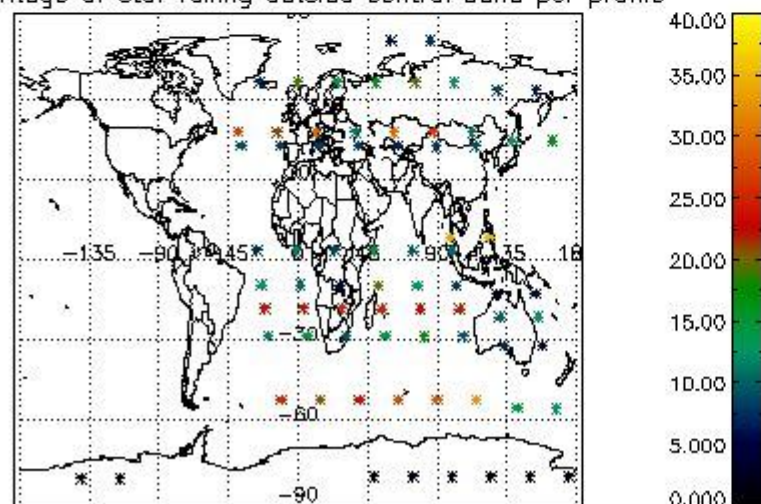
Percentage of cosmic ray hits per profile



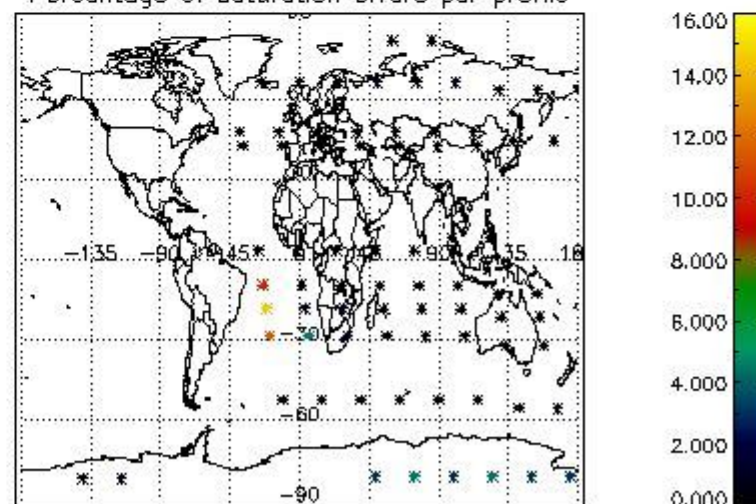
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

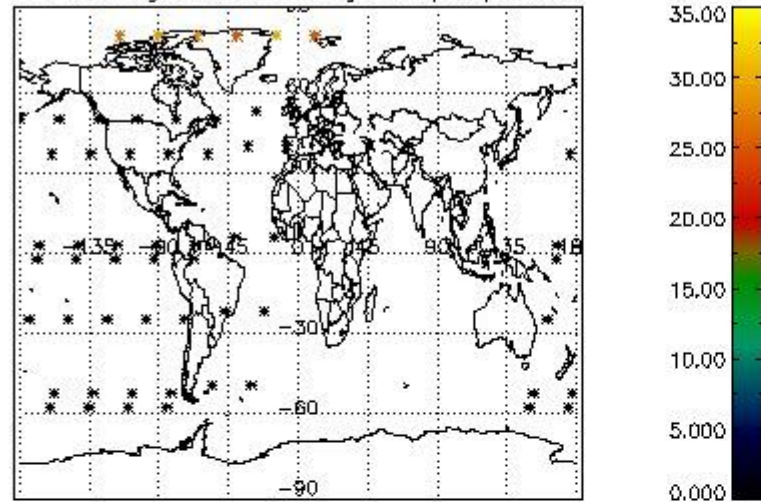


Percentage of saturation errors per profile

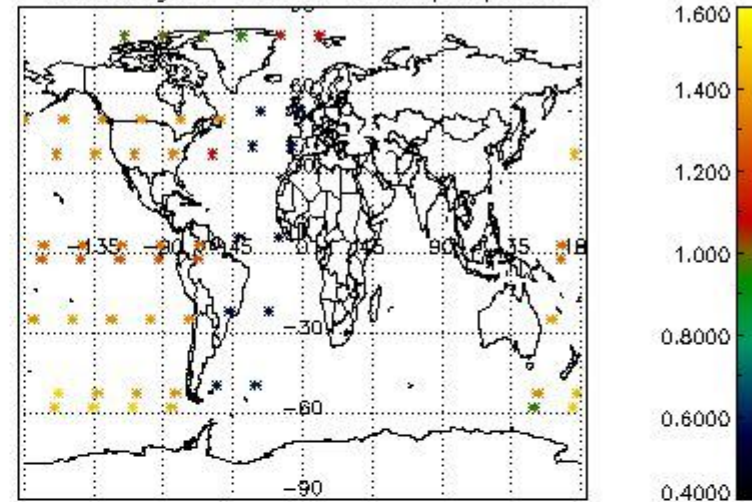


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

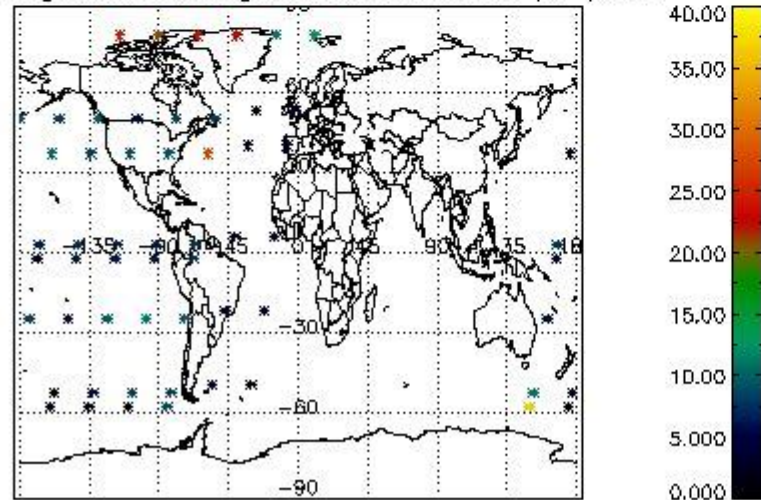
Percentage of cosmic ray hits per profile



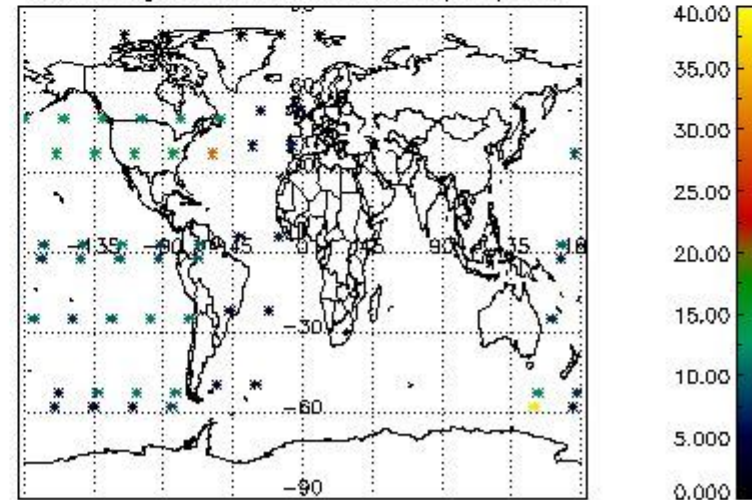
Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

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

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

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

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

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

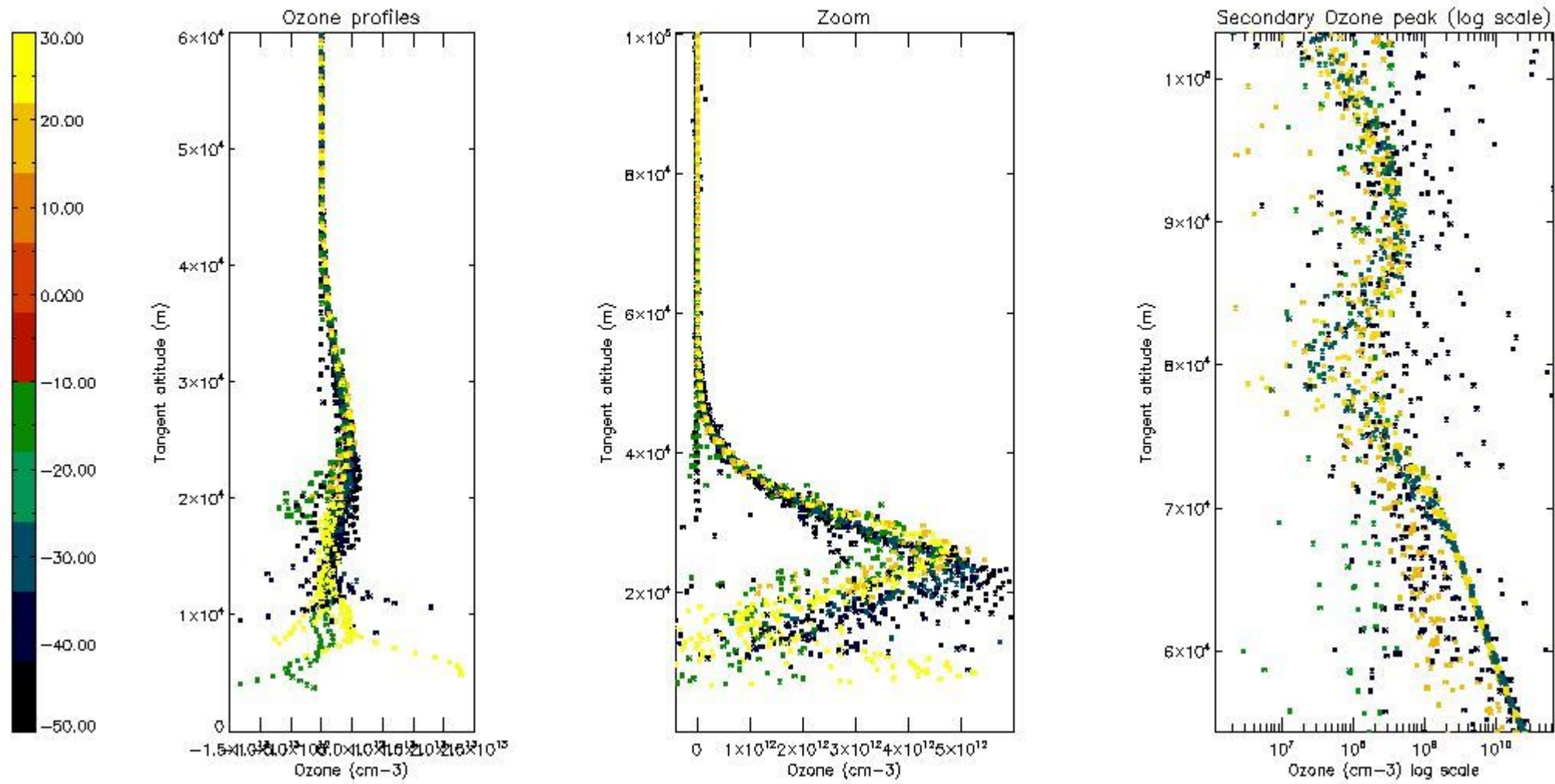
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	38
STD < 20	14

STD < 10	10
STD < 5	6

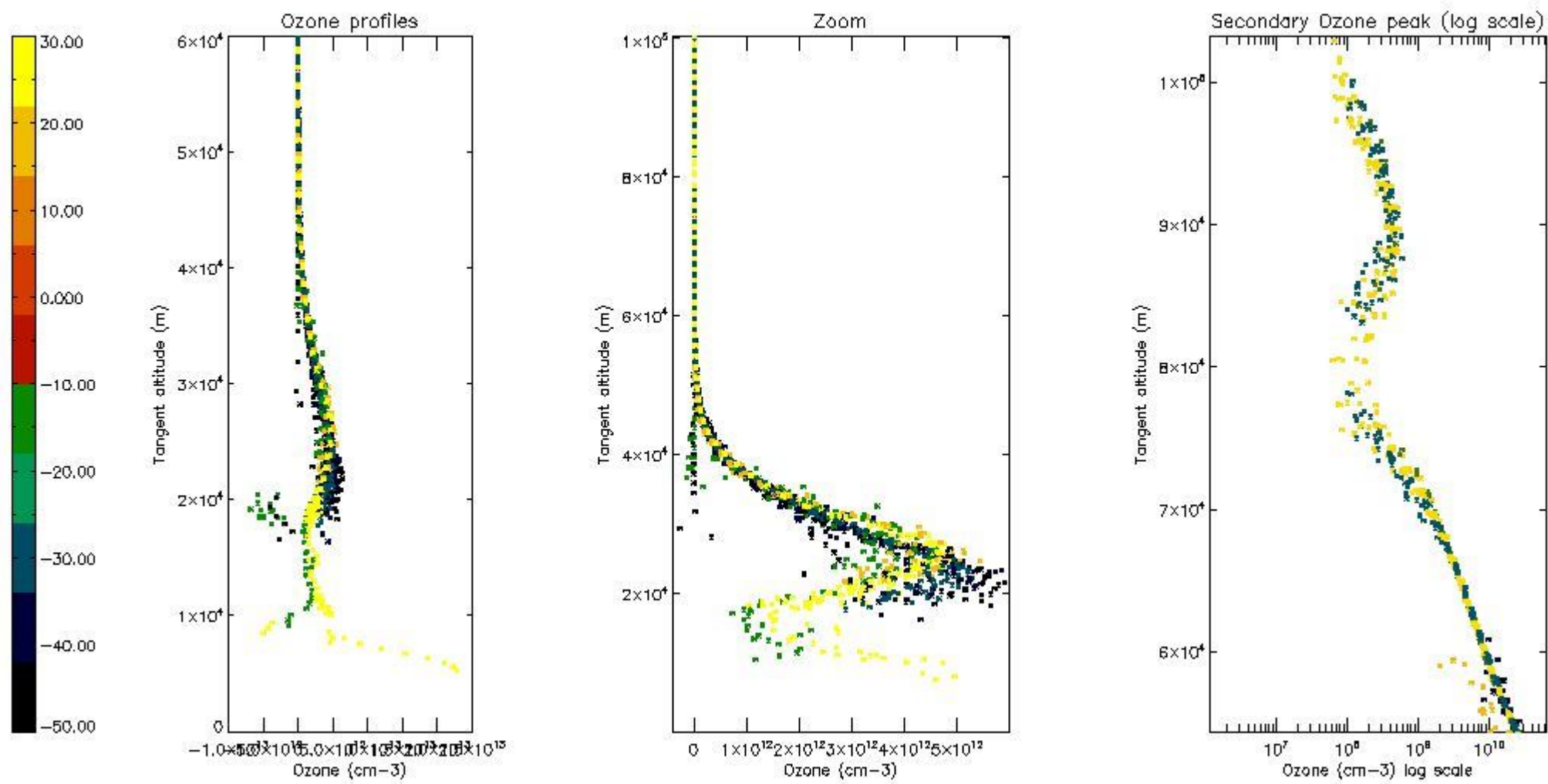
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



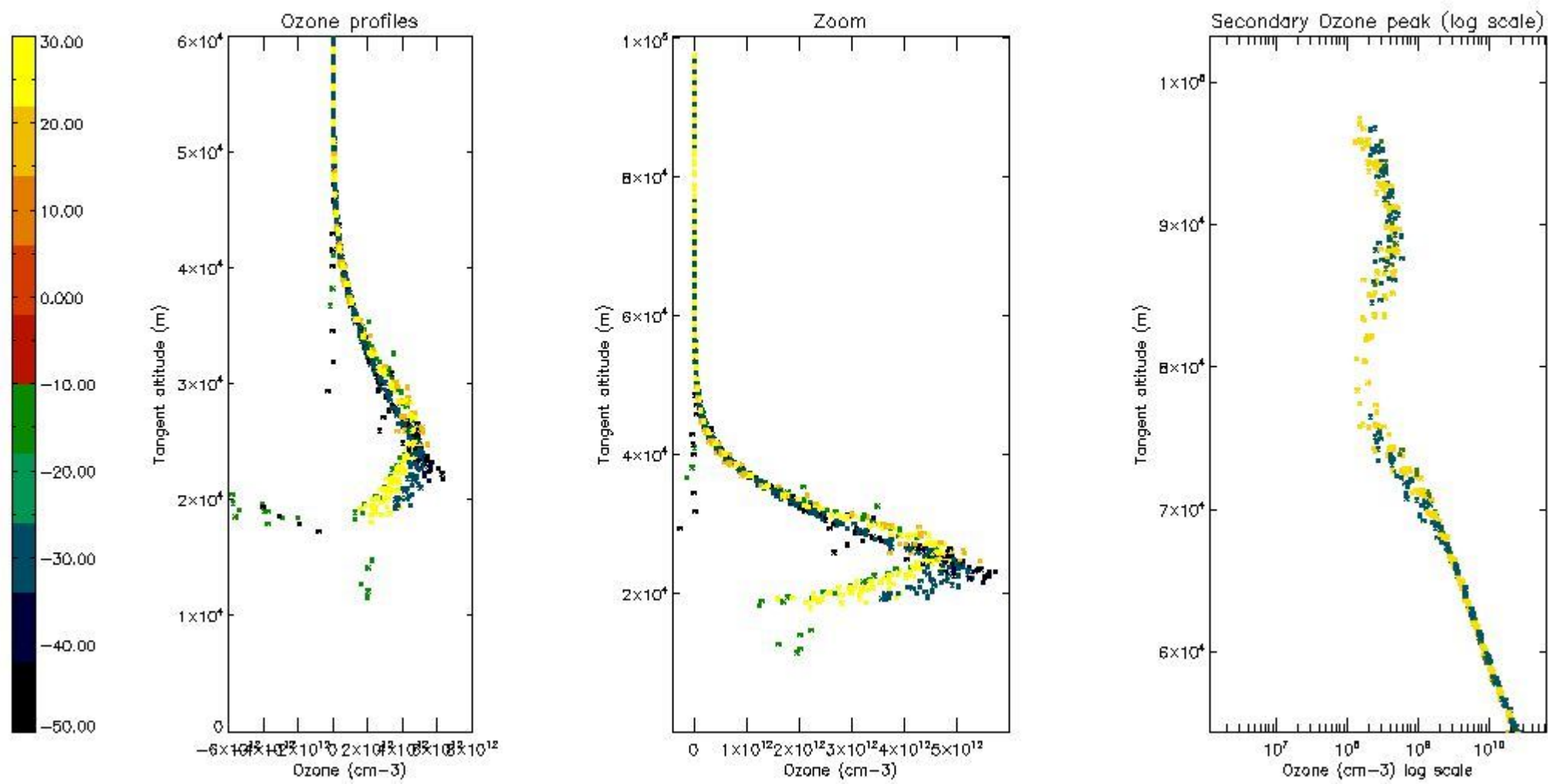
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



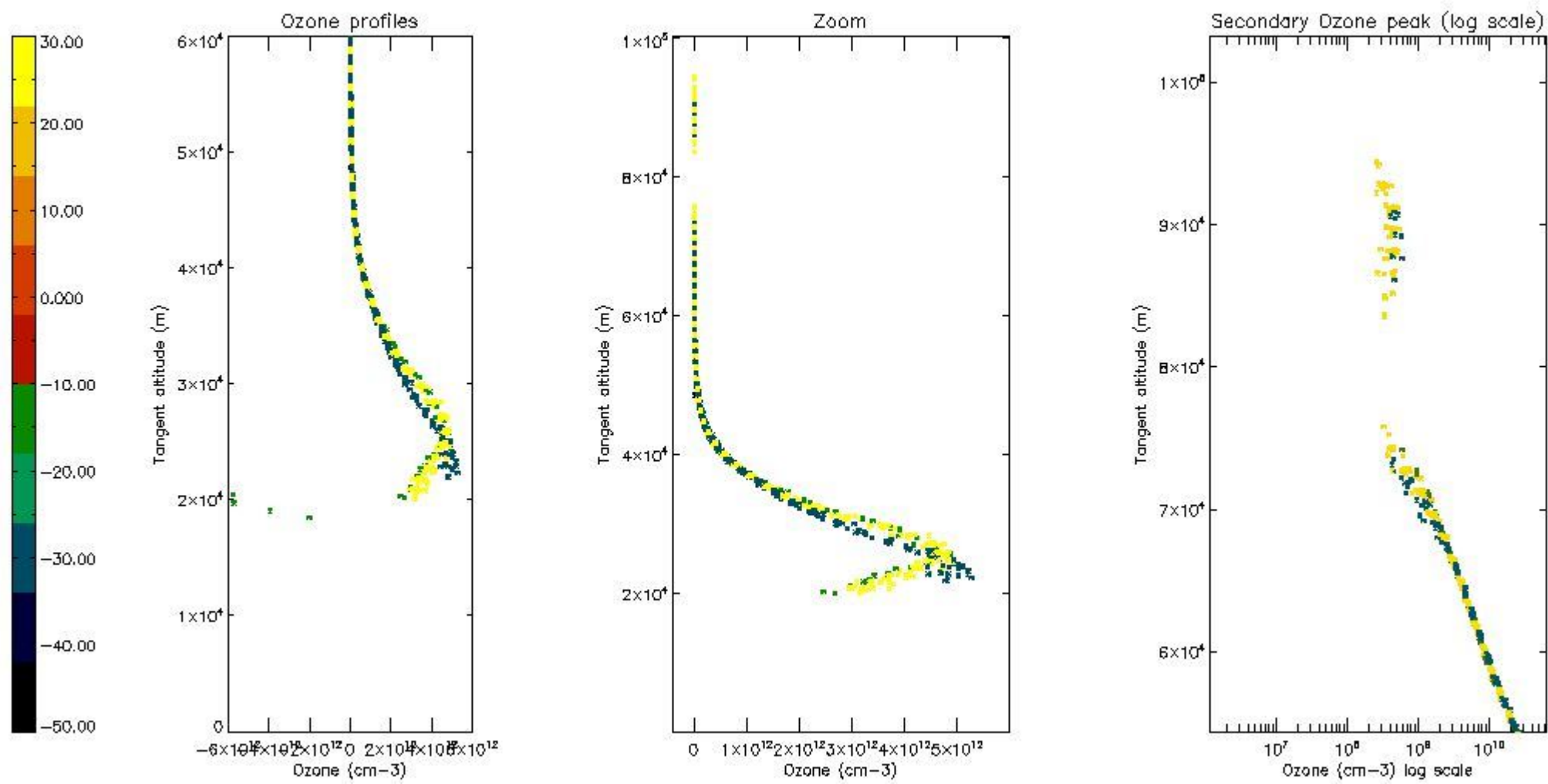
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



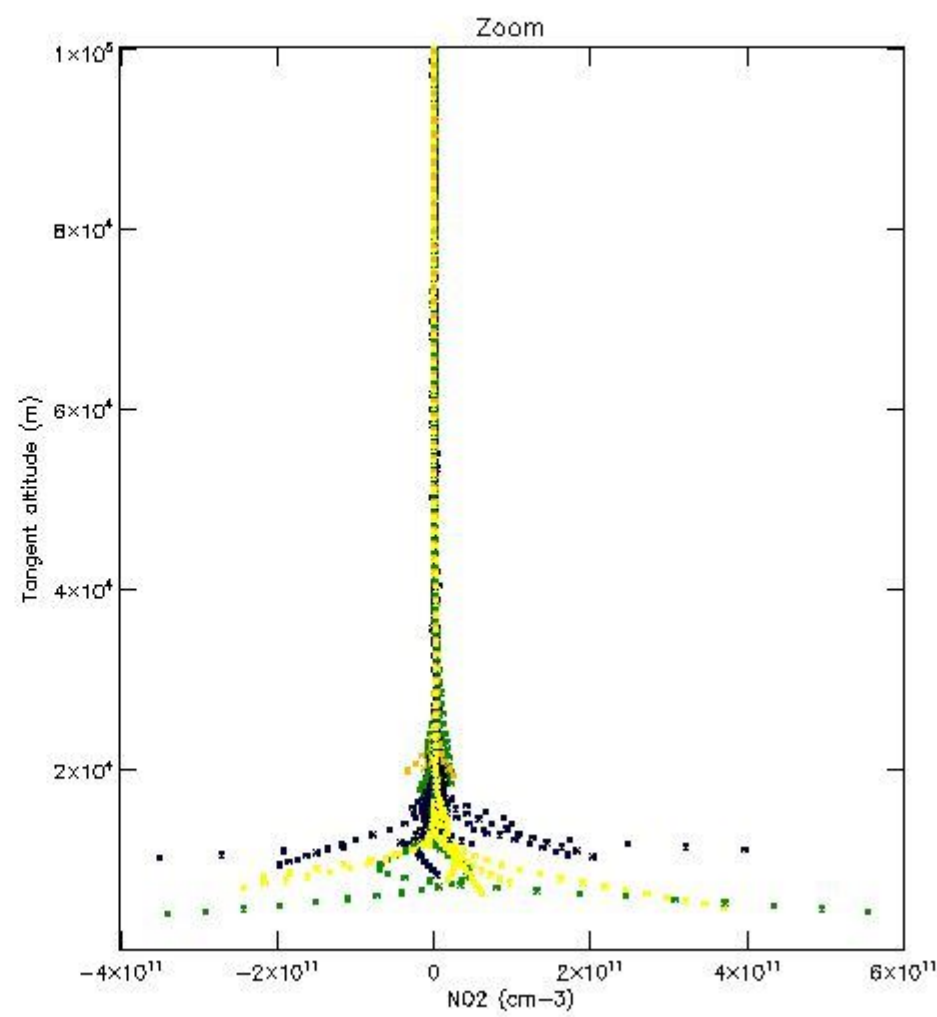
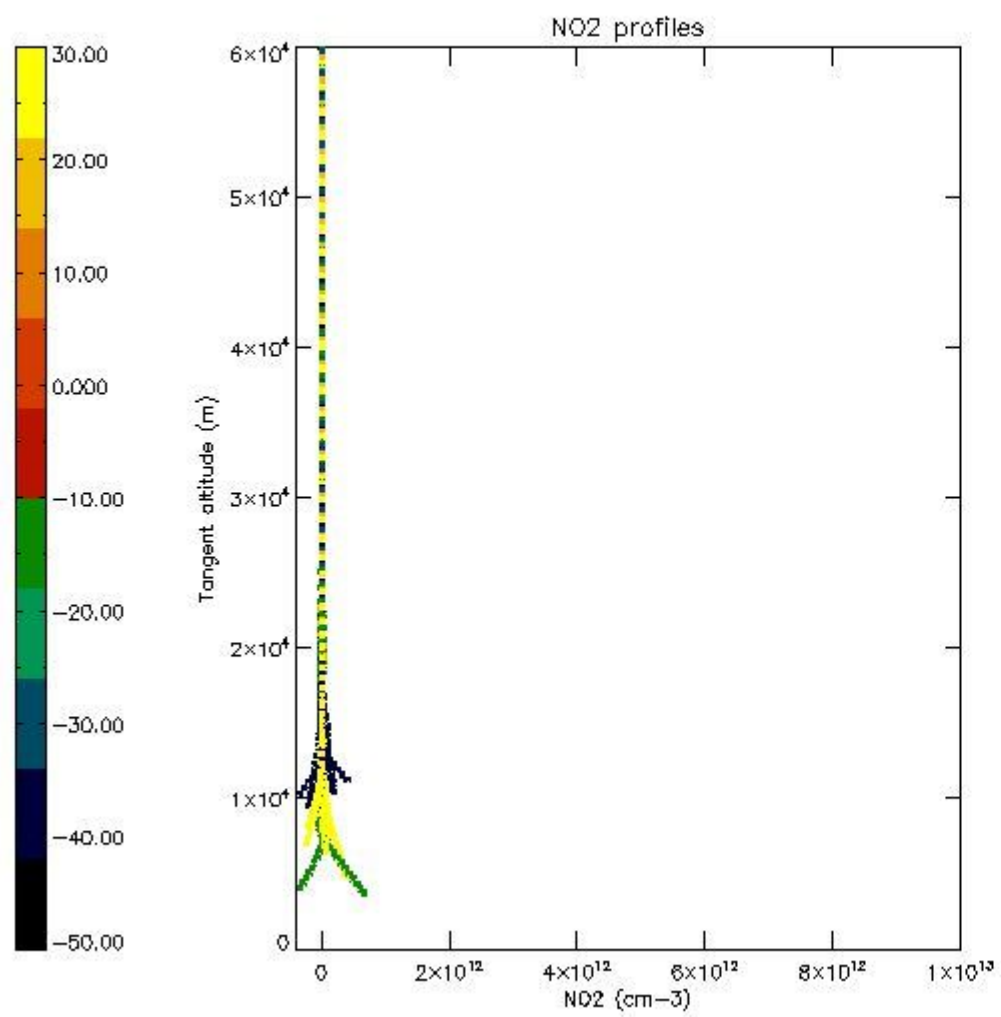
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



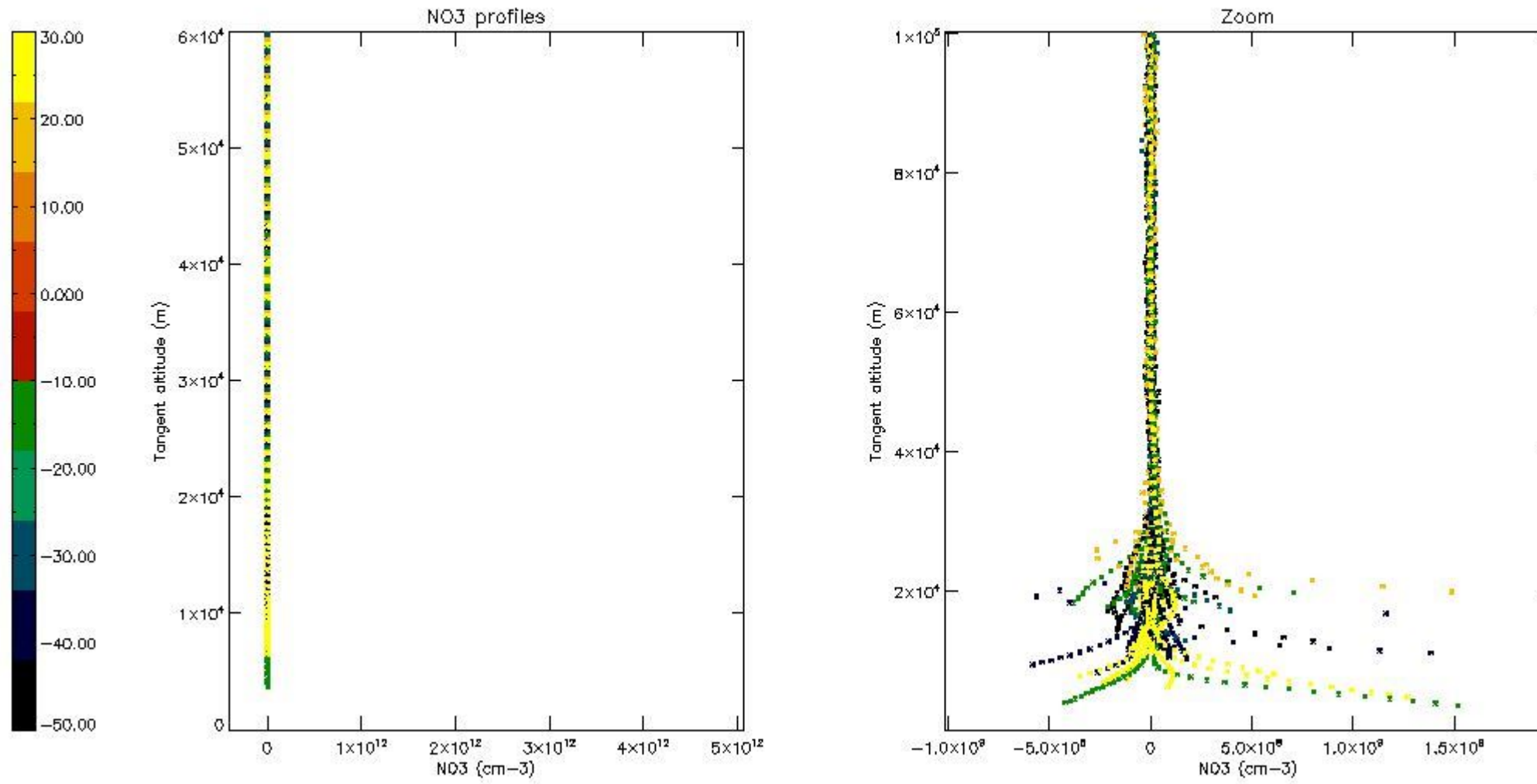
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

The colorbar represents the latitude.



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

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

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	27-SEP-2008 10:30:39
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	27-SEP-2008 10:30:39
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	27-SEP-2008 10:30:39

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](#)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Item	Value
Time of report generation	25APR2013 20:19:29
Data source version	GOMOS/6.01
Start time of products	27-09-2008 (27SEP2008 00:00:00)
Stop time of products	28-09-2008 (28SEP2008 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	132
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__2PRFIN20080927_103039_000001052072_00266_34388_9161.N1	27-SEP-2008 10:30:39	Dark	105.00	9	Alp Eri	0.45300	24000.	210	34388	No
2	GOM_NL__2PRFIN20080927_103604_000000952072_00266_34388_9162.N1	27-SEP-2008 10:36:04	Straylight	94.500	84	Alp Phe	2.3970	4500.0	189	34388	No
3	GOM_NL__2PRFIN20080927_104301_000001082072_00266_34388_9163.N1	27-SEP-2008 10:43:01	Straylight	107.50	52	16Bet Cet	2.0370	4500.0	215	34388	No
4	GOM_NL__2PRFIN20080927_105326_000000882072_00266_34388_9164.N1	27-SEP-2008 10:53:26	Bright	87.500	90	54Alp Peg	2.4870	11000.	175	34388	No
5	GOM_NL__2PRFIN20080927_105707_000000892072_00266_34388_9165.N1	27-SEP-2008 10:57:07	Bright	88.500	93	53Bet Peg	2.5200	3100.0	177	34388	No
6	GOM_NL__2PRFIN20080927_110640_000000992072_00266_34388_9166.N1	27-SEP-2008 11:06:40	Bright	98.500	68	18Alp Cas	2.2250	4500.0	197	34388	No
7	GOM_NL__2PRFIN20080927_111428_000000892072_00266_34388_9167.N1	27-SEP-2008 11:14:28	Bright	88.500	49	1Alp UMi	1.9900	6300.0	177	34388	No
8	GOM_NL__2PRFIN20080927_112219_000000842072_00266_34388_9168.N1	27-SEP-2008 11:22:19	Bright	84.000	36	50Alp UMa	1.8000	6300.0	168	34388	No
9	GOM_NL__2PRFIN20080927_113338_000000862072_00266_34388_9169.N1	27-SEP-2008 11:33:38	Bright	85.500	166	17Eps Leo	2.9800	6000.0	171	34388	No
10	GOM_NL__2PRFIN20080927_114303_000000992072_00266_34388_9170.N1	27-SEP-2008 11:43:03	Twilight	99.000	48	30Alp Hya	1.9770	4100.0	198	34388	No
11	GOM_NL__2PRFIN20080927_114943_000001002072_00266_34388_9171.N1	27-SEP-2008 11:49:43	Dark	100.00	132	15Rho Pup	2.8030	6900.0	200	34388	No
12	GOM_NL__2PRFIN20080927_115245_000000982072_00266_34388_9172.N1	27-SEP-2008 11:52:45	Dark	97.500	65	Lam Vel	2.2040	4400.0	195	34388	No
13	GOM_NL__2PRFIN20080927_115511_000000922072_00266_34388_9173.N1	27-SEP-2008 11:55:11	Dark	92.000	34	Gam2Vel	1.7930	23000.	184	34388	No
14	GOM_NL__2PRFIN20080927_121115_000001022072_00267_34389_9174.N1	27-SEP-2008 12:11:15	Dark	101.50	9	Alp Eri	0.45300	24000.	203	34389	No
15	GOM_NL__2PRFIN20080927_121641_000000962072_00267_34389_9175.N1	27-SEP-2008 12:16:41	Straylight	96.000	84	Alp Phe	2.3970	4500.0	192	34389	No
16	GOM_NL__2PRFIN20080927_122337_000001052072_00267_34389_9176.N1	27-SEP-2008 12:23:37	Straylight	105.00	52	16Bet Cet	2.0370	4500.0	210	34389	No
17	GOM_NL__2PRFIN20080927_123402_000000872072_00267_34389_9177.N1	27-SEP-2008 12:34:02	Bright	87.000	90	54Alp Peg	2.4870	11000.	174	34389	No
18	GOM_NL__2PRFIN20080927_123743_000000882072_00267_34389_9178.N1	27-SEP-2008 12:37:43	Bright	87.500	93	53Bet Peg	2.5200	3100.0	175	34389	No
19	GOM_NL__2PRFIN20080927_124715_000000982072_00267_34389_9179.N1	27-SEP-2008 12:47:15	Bright	97.500	68	18Alp Cas	2.2250	4500.0	195	34389	No
20	GOM_NL__2PRFIN20080927_125503_000000882072_00267_34389_9180.N1	27-SEP-2008 12:55:03	Bright	88.000	49	1Alp UMi	1.9900	6300.0	176	34389	No
21	GOM_NL__2PRFIN20080927_130255_000000872072_00267_34389_9181.N1	27-SEP-2008 13:02:55	Bright	87.000	36	50Alp UMa	1.8000	6300.0	174	34389	No
22	GOM_NL__2PRFIN20080927_131413_000000852072_00267_34389_9182.N1	27-SEP-2008 13:14:13	Bright	85.000	166	17Eps Leo	2.9800	6000.0	170	34389	No
23	GOM_NL__2PRFIN20080927_132339_000001012072_00267_34389_9183.N1	27-SEP-2008 13:23:39	Twilight	101.00	48	30Alp Hya	1.9770	4100.0	202	34389	No
24	GOM_NL__2PRFIN20080927_133020_000001042072_00267_34389_9184.N1	27-SEP-2008 13:30:20	Dark	104.00	132	15Rho Pup	2.8030	6900.0	208	34389	No
25	GOM_NL__2PRFIN20080927_133321_000000942072_00267_34389_9185.N1	27-SEP-2008 13:33:21	Dark	93.500	65	Lam Vel	2.2040	4400.0	187	34389	No
26	GOM_NL__2PRFIN20080927_133547_000000912072_00267_34389_9186.N1	27-SEP-2008 13:35:47	Dark	90.500	34	Gam2Vel	1.7930	23000.	181	34389	No
27	GOM_NL__2PRFIN20080927_134139_000000582072_00268_34390_9183.N1	27-SEP-2008 13:41:39	Dark	58.000	2	Alp Car	-0.73600	7000.0	116	34390	No
28	GOM_NL__2PRFIN20080927_135116_000000382072_00268_34390_9184.N1	27-SEP-2008 13:51:16	Dark	38.000	143	Alp Hyi	2.8570	7200.0	76	34390	No
29	GOM_NL__2PRFIN20080927_135244_000000402072_00268_34390_9185.N1	27-SEP-2008 13:52:44	Dark	40.000	9	Alp Eri	0.45300	24000.	80	34390	No
30	GOM_NL__2PRFIN20080927_135810_000000402072_00268_34390_9186.N1	27-SEP-2008 13:58:10	Straylight	40.000	84	Alp Phe	2.3970	4500.0	80	34390	No
31	GOM_NL__2PRFIN20080927_140513_000000462072_00268_34390_9187.N1	27-SEP-2008 14:05:13	Straylight	46.000	52	16Bet Cet	2.0370	4500.0	92	34390	No
32	GOM_NL__2PRFIN20080927_141529_000000372072_00268_34390_9188.N1	27-SEP-2008 14:15:29	Bright	36.500	90	54Alp Peg	2.4870	11000.	73	34390	No
33	GOM_NL__2PRFIN20080927_141909_000000462072_00268_34390_9189.N1	27-SEP-2008 14:19:09	Bright	46.000	93	53Bet Peg	2.5200	3100.0	92	34390	No
34	GOM_NL__2PRFIN20080927_142846_000000392072_00268_34390_9190.N1	27-SEP-2008 14:28:46	Bright	39.000	74	11Bet Cas	2.2680	6600.0	78	34390	No
35	GOM_NL__2PRFIN20080927_143013_000000412072_00268_34390_9191.N1	27-SEP-2008 14:30:13	Bright	41.000	76	27Gam Cas	2.3000	30000.	82	34390	No
36	GOM_NL__2PRFIN20080927_143631_000000372072_00268_34390_9192.N1	27-SEP-2008 14:36:31	Bright	37.000	49	1Alp UMi	1.9900	6300.0	74	34390	No
37	GOM_NL__2PRFIN20080927_144422_000000372072_00268_34390_9193.N1	27-SEP-2008 14:44:22	Bright	36.500	36	50Alp UMa	1.8000	6300.0	73	34390	No
38	GOM_NL__2PRFIN20080927_144552_000000352072_00268_34390_9194.N1	27-SEP-2008 14:45:52	Bright	35.000	82	48Bet UMa	2.3650	10600.	70	34390	No
39	GOM_NL__2PRFIN20080927_145541_000000342072_00268_34390_9195.N1	27-SEP-2008 14:55:41	Bright	34.000	166	17Eps Leo	2.9800	6000.0	68	34390	No
40	GOM_NL__2PRFIN20080927_150507_000000522072_00268_34390_9196.N1	27-SEP-2008 15:05:07	Twilight	51.500	48	30Alp Hya	1.9770	4100.0	103	34390	No
41	GOM_NL__2PRFIN20080927_151154_000000432072_00268_34390_9197.N1	27-SEP-2008 15:11:54	Dark	43.000	132	15Rho Pup	2.8030	6900.0	86	34390	No
42	GOM_NL__2PRFIN20080927_151448_000000442072_00268_34390_9198.N1	27-SEP-2008 15:14:48	Dark	43.500	65	Lam Vel	2.2040	4400.0	87	34390	No

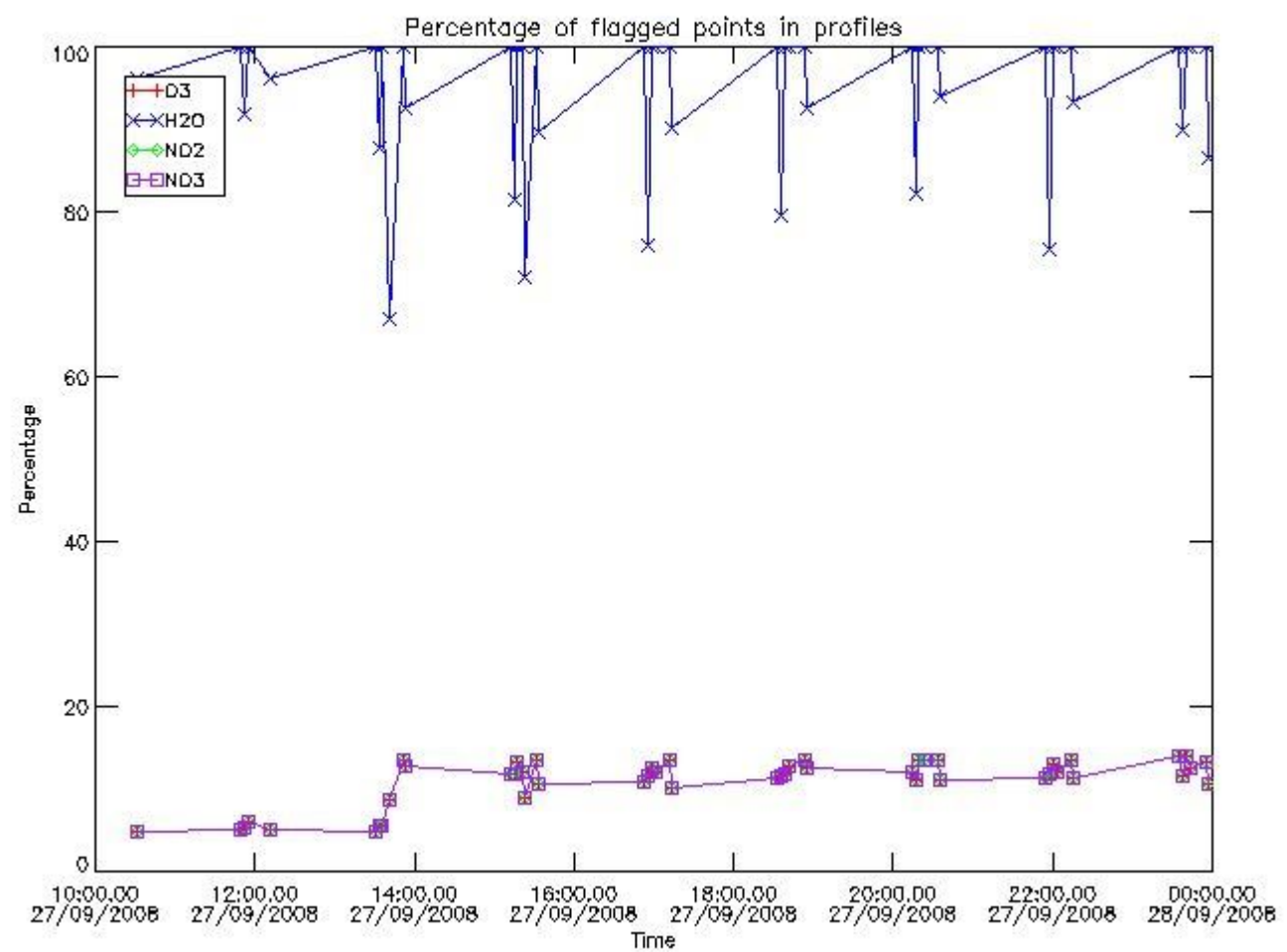
43	GOM_NL__2PRFIN20080927_151716_000000392072_00268_34390_9199.N1	27-SEP-2008 15:17:16	Dark	38.500	34	Gam2Vel	1.7930	23000.	77	34390	No
44	GOM_NL__2PRFIN20080927_152052_000000422072_00269_34391_9205.N1	27-SEP-2008 15:20:52	Dark	42.000	161	Tau Pup	2.9310	4500.0	84	34391	No
45	GOM_NL__2PRFIN20080927_152216_000000582072_00269_34391_9206.N1	27-SEP-2008 15:22:16	Dark	57.500	2	Alp Car	-0.73600	7000.0	115	34391	No
46	GOM_NL__2PRFIN20080927_153153_000000382072_00269_34391_9207.N1	27-SEP-2008 15:31:53	Dark	37.500	143	Alp Hyi	2.8570	7200.0	75	34391	No
47	GOM_NL__2PRFIN20080927_153320_000000492072_00269_34391_9208.N1	27-SEP-2008 15:33:20	Dark	48.500	9	Alp Eri	0.45300	24000.	97	34391	No
48	GOM_NL__2PRFIN20080927_153846_000000432072_00269_34391_9209.N1	27-SEP-2008 15:38:46	Straylight	43.000	84	Alp Phe	2.3970	4500.0	86	34391	No
49	GOM_NL__2PRFIN20080927_154549_000000452072_00269_34391_9210.N1	27-SEP-2008 15:45:49	Straylight	45.000	52	16Bet Cet	2.0370	4500.0	90	34391	No
50	GOM_NL__2PRFIN20080927_155605_000000372072_00269_34391_9211.N1	27-SEP-2008 15:56:05	Bright	36.500	90	54Alp Peg	2.4870	11000.	73	34391	No
51	GOM_NL__2PRFIN20080927_155945_000000382072_00269_34391_9212.N1	27-SEP-2008 15:59:45	Bright	37.500	93	53Bet Peg	2.5200	3100.0	75	34391	No
52	GOM_NL__2PRFIN20080927_160922_000000382072_00269_34391_9213.N1	27-SEP-2008 16:09:22	Bright	38.000	74	11Bet Cas	2.2680	6600.0	76	34391	No
53	GOM_NL__2PRFIN20080927_161048_000000402072_00269_34391_9214.N1	27-SEP-2008 16:10:48	Bright	40.000	76	27Gam Cas	2.3000	30000.	80	34391	No
54	GOM_NL__2PRFIN20080927_161707_000000362072_00269_34391_9215.N1	27-SEP-2008 16:17:07	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	34391	No
55	GOM_NL__2PRFIN20080927_162458_000000362072_00269_34391_9216.N1	27-SEP-2008 16:24:58	Bright	36.000	36	50Alp UMa	1.8000	6300.0	72	34391	No
56	GOM_NL__2PRFIN20080927_162628_000000332072_00269_34391_9217.N1	27-SEP-2008 16:26:28	Bright	33.000	82	48Bet UMa	2.3650	10600.	66	34391	No
57	GOM_NL__2PRFIN20080927_163617_000000342072_00269_34391_9218.N1	27-SEP-2008 16:36:17	Bright	34.000	166	17Eps Leo	2.9800	6000.0	68	34391	No
58	GOM_NL__2PRFIN20080927_164543_000000492072_00269_34391_9219.N1	27-SEP-2008 16:45:43	Twilight	49.000	48	30Alp Hya	1.9770	4100.0	98	34391	No
59	GOM_NL__2PRFIN20080927_165231_000000482072_00269_34391_9220.N1	27-SEP-2008 16:52:31	Dark	47.500	132	15Rho Pup	2.8030	6900.0	95	34391	No
60	GOM_NL__2PRFIN20080927_165524_000000442072_00269_34391_9221.N1	27-SEP-2008 16:55:24	Dark	44.000	65	Lam Vel	2.2040	4400.0	88	34391	No
61	GOM_NL__2PRFIN20080927_165752_000000412072_00269_34391_9222.N1	27-SEP-2008 16:57:52	Dark	41.000	34	Gam2Vel	1.7930	23000.	82	34391	No
62	GOM_NL__2PRFIN20080927_170129_000000422072_00270_34392_9220.N1	27-SEP-2008 17:01:29	Dark	42.000	161	Tau Pup	2.9310	4500.0	84	34392	No
63	GOM_NL__2PRFIN20080927_171229_000000382072_00270_34392_9221.N1	27-SEP-2008 17:12:29	Dark	37.500	143	Alp Hyi	2.8570	7200.0	75	34392	No
64	GOM_NL__2PRFIN20080927_171356_000000502072_00270_34392_9222.N1	27-SEP-2008 17:13:56	Dark	50.000	9	Alp Eri	0.45300	24000.	100	34392	No
65	GOM_NL__2PRFIN20080927_171923_000000432072_00270_34392_9223.N1	27-SEP-2008 17:19:23	Straylight	42.500	84	Alp Phe	2.3970	4500.0	85	34392	No
66	GOM_NL__2PRFIN20080927_172626_000000532072_00270_34392_9224.N1	27-SEP-2008 17:26:26	Straylight	52.500	52	16Bet Cet	2.0370	4500.0	105	34392	No
67	GOM_NL__2PRFIN20080927_173641_000000362072_00270_34392_9225.N1	27-SEP-2008 17:36:41	Bright	36.000	90	54Alp Peg	2.4870	11000.	72	34392	No
68	GOM_NL__2PRFIN20080927_174021_000000382072_00270_34392_9226.N1	27-SEP-2008 17:40:21	Bright	38.000	93	53Bet Peg	2.5200	3100.0	76	34392	No
69	GOM_NL__2PRFIN20080927_174957_000000392072_00270_34392_9227.N1	27-SEP-2008 17:49:57	Bright	39.000	74	11Bet Cas	2.2680	6600.0	78	34392	No
70	GOM_NL__2PRFIN20080927_175124_000000402072_00270_34392_9228.N1	27-SEP-2008 17:51:24	Bright	40.000	76	27Gam Cas	2.3000	30000.	80	34392	No
71	GOM_NL__2PRFIN20080927_175743_000000372072_00270_34392_9229.N1	27-SEP-2008 17:57:43	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	34392	No
72	GOM_NL__2PRFIN20080927_180534_000000362072_00270_34392_9230.N1	27-SEP-2008 18:05:34	Bright	35.500	36	50Alp UMa	1.8000	6300.0	71	34392	No
73	GOM_NL__2PRFIN20080927_180704_000000342072_00270_34392_9231.N1	27-SEP-2008 18:07:04	Bright	33.500	82	48Bet UMa	2.3650	10600.	67	34392	No
74	GOM_NL__2PRFIN20080927_181654_000000352072_00270_34392_9232.N1	27-SEP-2008 18:16:54	Bright	34.500	166	17Eps Leo	2.9800	6000.0	69	34392	No
75	GOM_NL__2PRFIN20080927_182620_000000482072_00270_34392_9233.N1	27-SEP-2008 18:26:20	Twilight	47.500	48	30Alp Hya	1.9770	4100.0	95	34392	No
76	GOM_NL__2PRFIN20080927_183308_000000452072_00270_34392_9234.N1	27-SEP-2008 18:33:08	Dark	45.000	132	15Rho Pup	2.8030	6900.0	90	34392	No
77	GOM_NL__2PRFIN20080927_183601_000000452072_00270_34392_9235.N1	27-SEP-2008 18:36:01	Dark	44.500	65	Lam Vel	2.2040	4400.0	89	34392	No
78	GOM_NL__2PRFIN20080927_183829_000000442072_00270_34392_9236.N1	27-SEP-2008 18:38:29	Dark	43.500	34	Gam2Vel	1.7930	23000.	87	34392	No
79	GOM_NL__2PRFIN20080927_184206_000000442072_00271_34393_9233.N1	27-SEP-2008 18:42:06	Dark	43.500	161	Tau Pup	2.9310	4500.0	87	34393	No
80	GOM_NL__2PRFIN20080927_185305_000000382072_00271_34393_9234.N1	27-SEP-2008 18:53:05	Dark	38.000	143	Alp Hyi	2.8570	7200.0	76	34393	No
81	GOM_NL__2PRFIN20080927_185433_000000402072_00271_34393_9235.N1	27-SEP-2008 18:54:33	Dark	40.000	9	Alp Eri	0.45300	24000.	80	34393	No
82	GOM_NL__2PRFIN20080927_185959_000000412072_00271_34393_9236.N1	27-SEP-2008 18:59:59	Straylight	41.000	84	Alp Phe	2.3970	4500.0	82	34393	No
83	GOM_NL__2PRFIN20080927_190702_000000522072_00271_34393_9237.N1	27-SEP-2008 19:07:02	Straylight	51.500	52	16Bet Cet	2.0370	4500.0	103	34393	No
84	GOM_NL__2PRFIN20080927_191717_000000372072_00271_34393_9238.N1	27-SEP-2008 19:17:17	Bright	37.000	90	54Alp Peg	2.4870	11000.	74	34393	No
85	GOM_NL__2PRFIN20080927_192057_000000372072_00271_34393_9239.N1	27-SEP-2008 19:20:57	Bright	37.000	93	53Bet Peg	2.5200	3100.0	74	34393	No
86	GOM_NL__2PRFIN20080927_193033_000000392072_00271_34393_9240.N1	27-SEP-2008 19:30:33	Bright	39.000	74	11Bet Cas	2.2680	6600.0	78	34393	No
87	GOM_NL__2PRFIN20080927_193159_000000412072_00271_34393_9241.N1	27-SEP-2008 19:31:59	Bright	40.500	76	27Gam Cas	2.3000	30000.	81	34393	No
88	GOM_NL__2PRFIN20080927_193819_000000362072_00271_34393_9242.N1	27-SEP-2008 19:38:19	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	34393	No
89	GOM_NL__2PRFIN20080927_194610_000000332072_00271_34393_9243.N1	27-SEP-2008 19:46:10	Bright	33.000	36	50Alp UMa	1.8000	6300.0	66	34393	No
90	GOM_NL__2PRFIN20080927_194740_000000342072_00271_34393_9244.N1	27-SEP-2008 19:47:40	Bright	34.000	82	48Bet UMa	2.3650	10600.	68	34393	No
91	GOM_NL__2PRFIN20080927_195730_000000352072_00271_34393_9245.N1	27-SEP-2008 19:57:30	Bright	34.500	166	17Eps Leo	2.9800	6000.0	69	34393	No
92	GOM_NL__2PRFIN20080927_200656_000000452072_00271_34393_9246.N1	27-SEP-2008 20:06:56	Twilight	45.000	48	30Alp Hya	1.9770	4100.0	90	34393	No
93	GOM_NL__2PRFIN20080927_201344_000000432072_00271_34393_9247.N1	27-SEP-2008 20:13:44	Dark	42.500	132	15Rho Pup	2.8030	6900.0	85	34393	No
94	GOM_NL__2PRFIN20080927_201637_000000462072_00271_34393_9248.N1	27-SEP-2008 20:16:37	Dark	45.500	65	Lam Vel	2.2040	4400.0	91	34393	No
95	GOM_NL__2PRFIN20080927_201905_000000382072_00271_34393_9249.N1	27-SEP-2008 20:19:05	Dark	37.500	34	Gam2Vel	1.7930	23000.	75	34393	No
96	GOM_NL__2PRFIN20080927_202242_000000422072_00272_34394_9246.N1	27-SEP-2008 20:22:42	Dark	41.500	161	Tau Pup	2.9310	4500.0	83	34394	No
97	GOM_NL__2PRFIN20080927_203342_000000382072_00272_34394_9247.N1	27-SEP-2008 20:33:42	Dark	37.500	143	Alp Hyi	2.8570	7200.0	75	34394	No
98	GOM_NL__2PRFIN20080927_203509_000000502072_00272_34394_9248.N1	27-SEP-2008 20:35:09	Dark	50.000	9	Alp Eri	0.45300	24000.	100	34394	No
99	GOM_NL__2PRFIN20080927_204035_000000432072_00272_34394_9249.N1	27-SEP-2008 20:40:35	Straylight	42.500	84	Alp Phe	2.3970	4500.0	85	34394	No
100	GOM_NL__2PRFIN20080927_204738_000000502072_00272_34394_9250.N1	27-SEP-2008 20:47:38	Straylight	50.000	52	16Bet Cet	2.0370	4500.0	100	34394	No
101	GOM_NL__2PRFIN20080927_205752_000000372072_00272_34394_9251.N1	27-SEP-2008 20:57:52	Bright	37.000	90	54Alp Peg	2.4870	11000.	74	34394	No

102	GOM_NL__2PRFIN20080927_210133_000000382072_00272_34394_9252.N1	27-SEP-2008 21:01:33	Bright	38.000	93	53Bet Peg	2.5200	3100.0	76	34394	No
103	GOM_NL__2PRFIN20080927_211109_000000392072_00272_34394_9253.N1	27-SEP-2008 21:11:09	Bright	38.500	74	11Bet Cas	2.2680	6600.0	77	34394	No
104	GOM_NL__2PRFIN20080927_211235_000000402072_00272_34394_9254.N1	27-SEP-2008 21:12:35	Bright	39.500	76	27Gam Cas	2.3000	30000.	79	34394	No
105	GOM_NL__2PRFIN20080927_211855_000000372072_00272_34394_9255.N1	27-SEP-2008 21:18:55	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	34394	No
106	GOM_NL__2PRFIN20080927_212646_000000352072_00272_34394_9256.N1	27-SEP-2008 21:26:46	Bright	34.500	36	50Alp UMa	1.8000	6300.0	69	34394	No
107	GOM_NL__2PRFIN20080927_212816_000000342072_00272_34394_9257.N1	27-SEP-2008 21:28:16	Bright	33.500	82	48Bet UMa	2.3650	10600.	67	34394	No
108	GOM_NL__2PRFIN20080927_213806_000000352072_00272_34394_9258.N1	27-SEP-2008 21:38:06	Bright	34.500	166	17Eps Leo	2.9800	6000.0	69	34394	No
109	GOM_NL__2PRFIN20080927_214732_000000442072_00272_34394_9259.N1	27-SEP-2008 21:47:32	Twilight	43.500	48	30Alp Hya	1.9770	4100.0	87	34394	No
110	GOM_NL__2PRFIN20080927_215421_000000452072_00272_34394_9260.N1	27-SEP-2008 21:54:21	Dark	45.000	132	15Rho Pup	2.8030	6900.0	90	34394	No
111	GOM_NL__2PRFIN20080927_215713_000000432072_00272_34394_9261.N1	27-SEP-2008 21:57:13	Dark	43.000	65	Lam Vel	2.2040	4400.0	86	34394	No
112	GOM_NL__2PRFIN20080927_215942_000000392072_00272_34394_9262.N1	27-SEP-2008 21:59:42	Dark	39.000	34	Gam2Vel	1.7930	23000.	78	34394	No
113	GOM_NL__2PRFIN20080927_220319_000000432072_00273_34395_9259.N1	27-SEP-2008 22:03:19	Dark	42.500	161	Tau Pup	2.9310	4500.0	85	34395	No
114	GOM_NL__2PRFIN20080927_221418_000000382072_00273_34395_9260.N1	27-SEP-2008 22:14:18	Dark	37.500	143	Alp Hyi	2.8570	7200.0	75	34395	No
115	GOM_NL__2PRFIN20080927_221545_000000452072_00273_34395_9261.N1	27-SEP-2008 22:15:45	Dark	45.000	9	Alp Eri	0.45300	24000.	90	34395	No
116	GOM_NL__2PRFIN20080927_222111_000000382072_00273_34395_9262.N1	27-SEP-2008 22:21:11	Straylight	37.500	84	Alp Phe	2.3970	4500.0	75	34395	No
117	GOM_NL__2PRFIN20080927_222814_000000522072_00273_34395_9263.N1	27-SEP-2008 22:28:14	Straylight	51.500	52	16Bet Cet	2.0370	4500.0	103	34395	No
118	GOM_NL__2PRFIN20080927_223828_000000372072_00273_34395_9264.N1	27-SEP-2008 22:38:28	Bright	37.000	90	54Alp Peg	2.4870	11000.	74	34395	No
119	GOM_NL__2PRFIN20080927_224209_000000352072_00273_34395_9265.N1	27-SEP-2008 22:42:09	Bright	35.000	93	53Bet Peg	2.5200	3100.0	70	34395	No
120	GOM_NL__2PRFIN20080927_225144_000000392072_00273_34395_9266.N1	27-SEP-2008 22:51:44	Bright	39.000	74	11Bet Cas	2.2680	6600.0	78	34395	No
121	GOM_NL__2PRFIN20080927_225310_000000392072_00273_34395_9267.N1	27-SEP-2008 22:53:10	Bright	39.000	76	27Gam Cas	2.3000	30000.	78	34395	No
122	GOM_NL__2PRFIN20080927_225931_000000362072_00273_34395_9268.N1	27-SEP-2008 22:59:31	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	34395	No
123	GOM_NL__2PRFIN20080927_230722_000000372072_00273_34395_9269.N1	27-SEP-2008 23:07:22	Bright	37.000	36	50Alp UMa	1.8000	6300.0	74	34395	No
124	GOM_NL__2PRFIN20080927_230852_000000522072_00273_34395_9270.N1	27-SEP-2008 23:08:52	Bright	52.000	82	48Bet UMa	2.3650	10600.	104	34395	No
125	GOM_NL__2PRFIN20080927_231842_000000342072_00273_34395_9271.N1	27-SEP-2008 23:18:42	Bright	34.000	166	17Eps Leo	2.9800	6000.0	68	34395	No
126	GOM_NL__2PRFIN20080927_232808_000000462072_00273_34395_9272.N1	27-SEP-2008 23:28:08	Twilight	46.000	48	30Alp Hya	1.9770	4100.0	92	34395	No
127	GOM_NL__2PRFIN20080927_233457_000000442072_00273_34395_9273.N1	27-SEP-2008 23:34:57	Dark	44.000	132	15Rho Pup	2.8030	6900.0	88	34395	No
128	GOM_NL__2PRFIN20080927_233749_000000452072_00273_34395_9274.N1	27-SEP-2008 23:37:49	Dark	44.500	65	Lam Vel	2.2040	4400.0	89	34395	No
129	GOM_NL__2PRFIN20080927_234018_000000402072_00273_34395_9275.N1	27-SEP-2008 23:40:18	Dark	40.000	34	Gam2Vel	1.7930	23000.	80	34395	No
130	GOM_NL__2PRFIN20080927_234356_000000412072_00274_34396_9285.N1	27-SEP-2008 23:43:56	Dark	41.000	161	Tau Pup	2.9310	4500.0	82	34396	No
131	GOM_NL__2PRFIN20080927_235454_000000392072_00274_34396_9286.N1	27-SEP-2008 23:54:54	Dark	38.500	143	Alp Hyi	2.8570	7200.0	77	34396	No
132	GOM_NL__2PRFIN20080927_235622_000000492072_00274_34396_9287.N1	27-SEP-2008 23:56:22	Dark	48.500	9	Alp Eri	0.45300	24000.	97	34396	No

3. Quality information per product

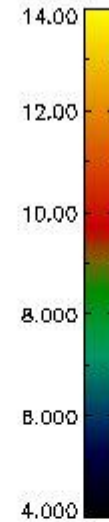
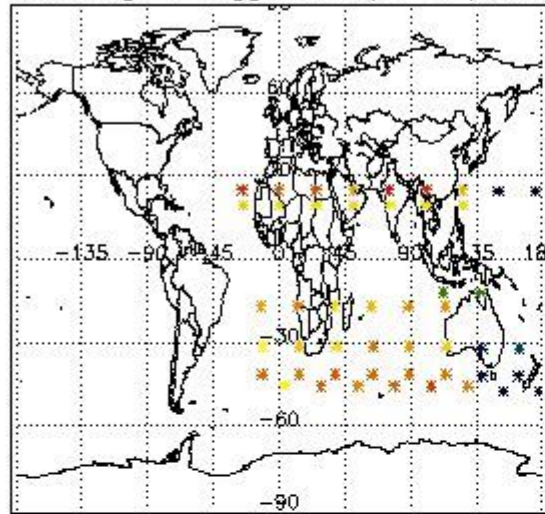
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

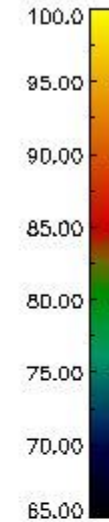
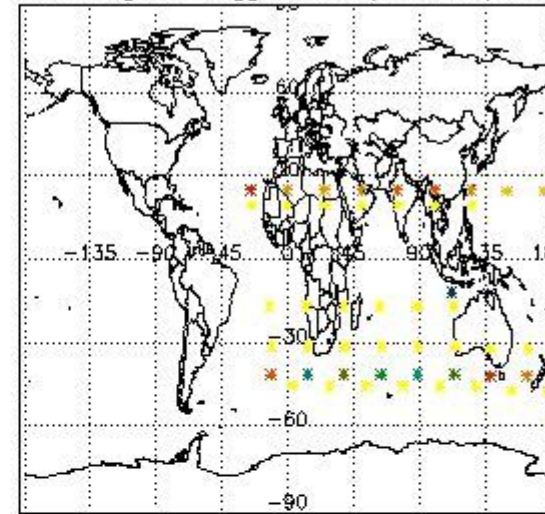


3.2 Plot quality information per product (world map)

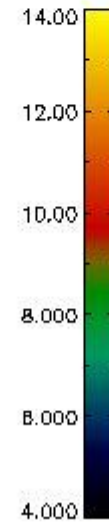
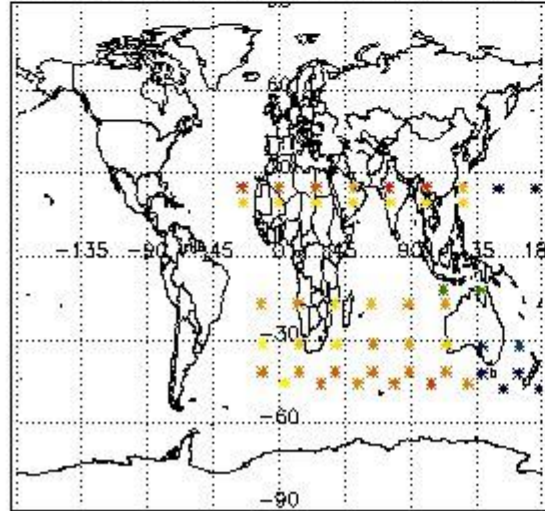
Percentage of flagged data per O3 profile



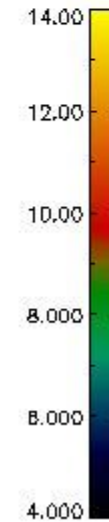
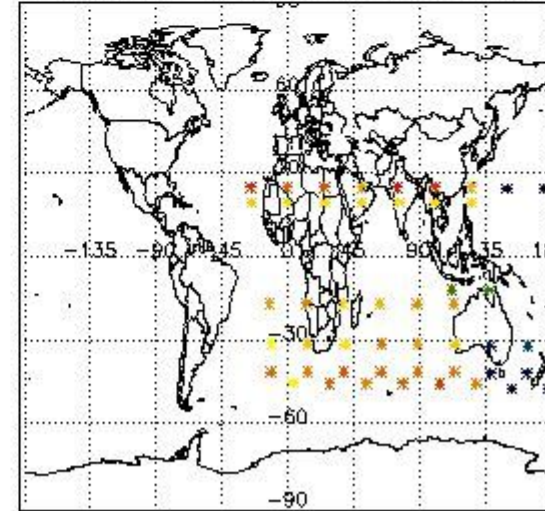
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

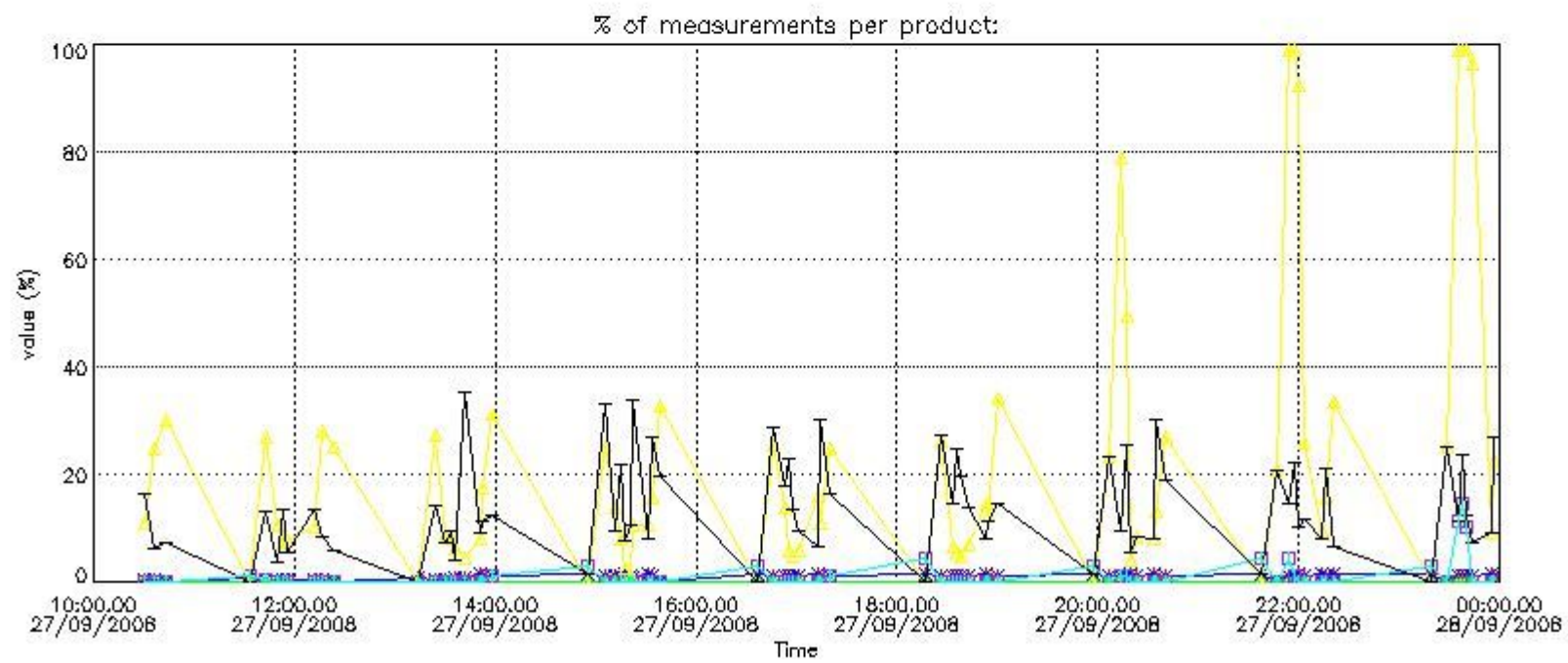
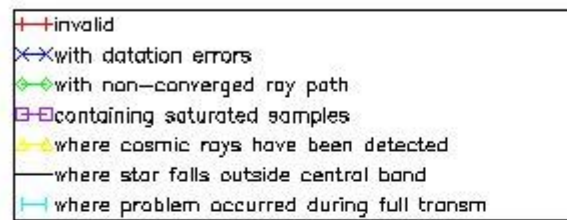


4. Level 1 quality information per product

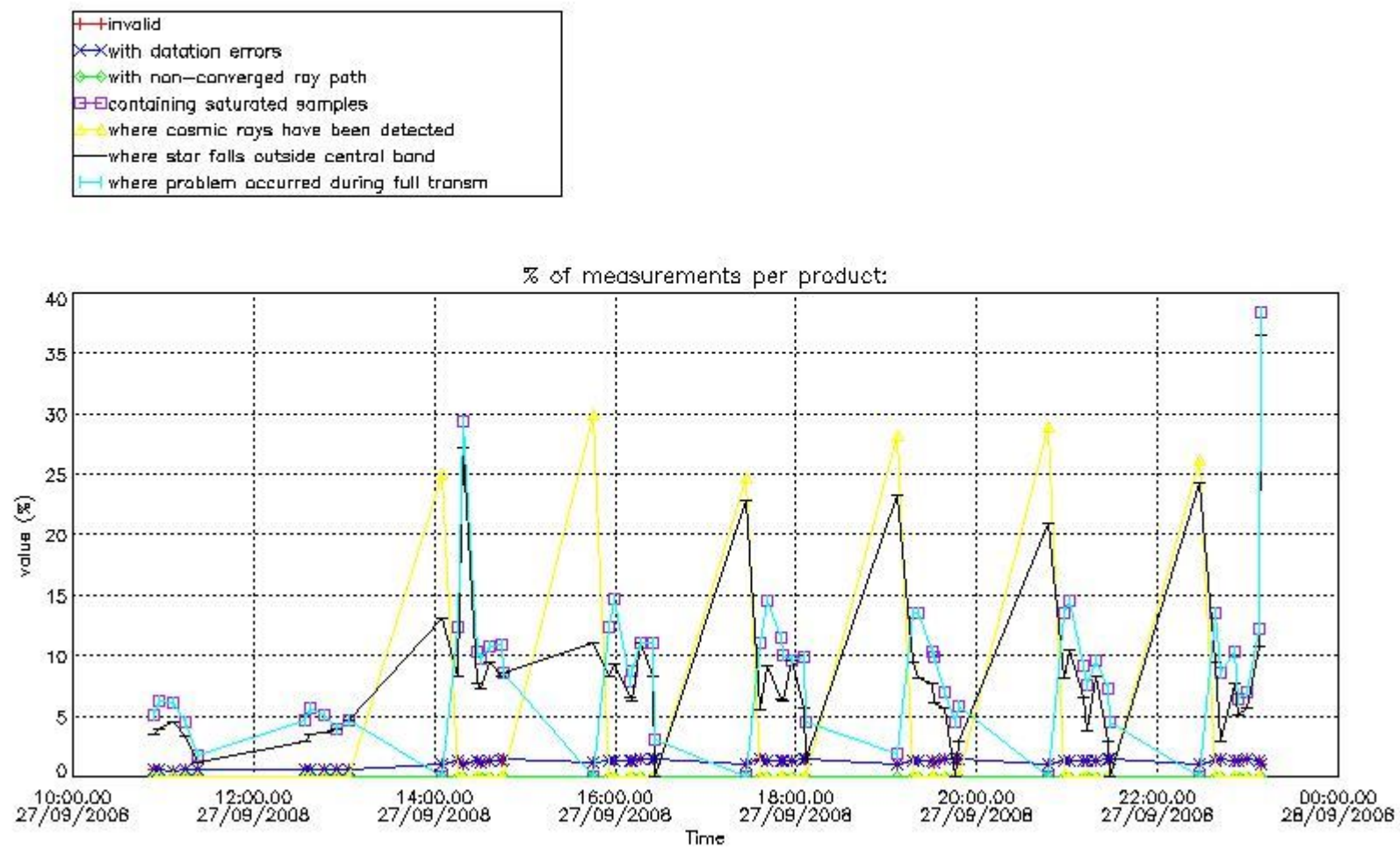
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



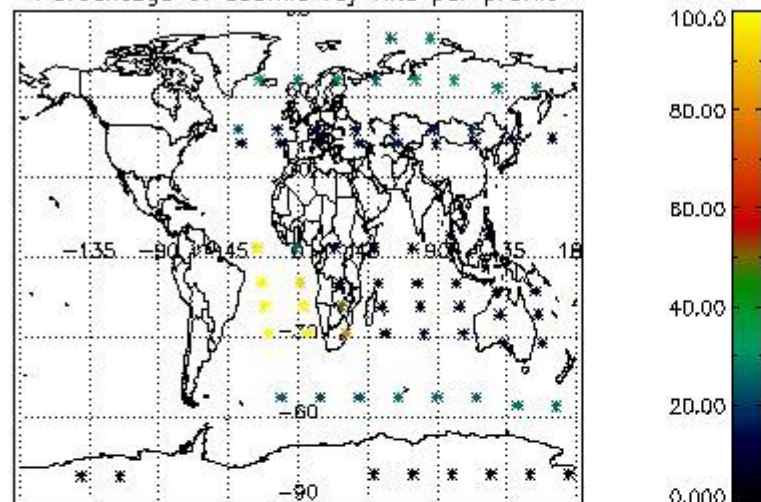
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



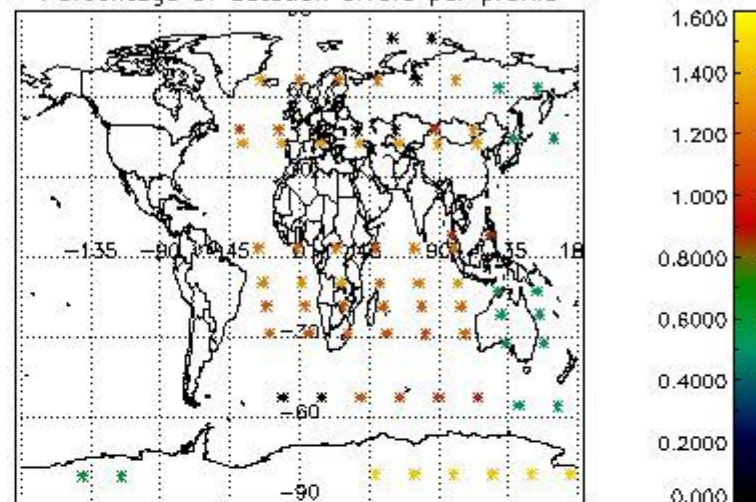
4.2 Plot quality information per product coming from level 1b processing (world map)

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

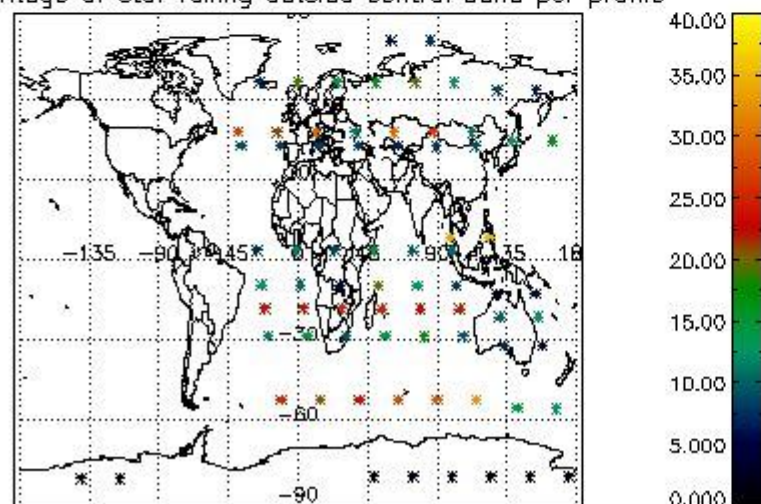
Percentage of cosmic ray hits per profile



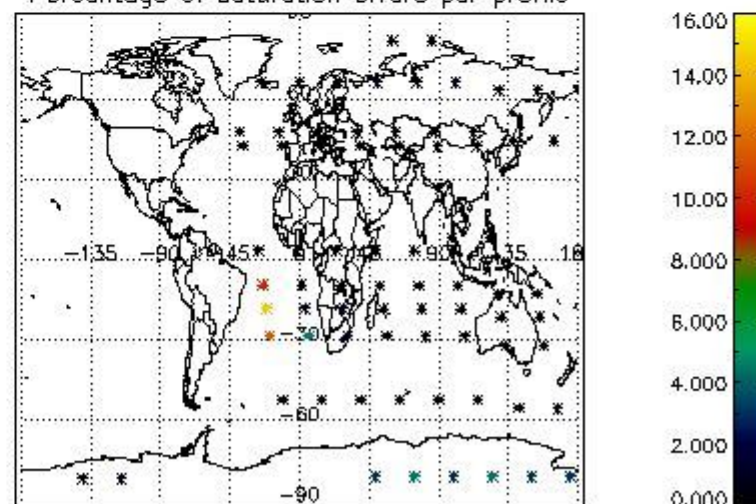
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

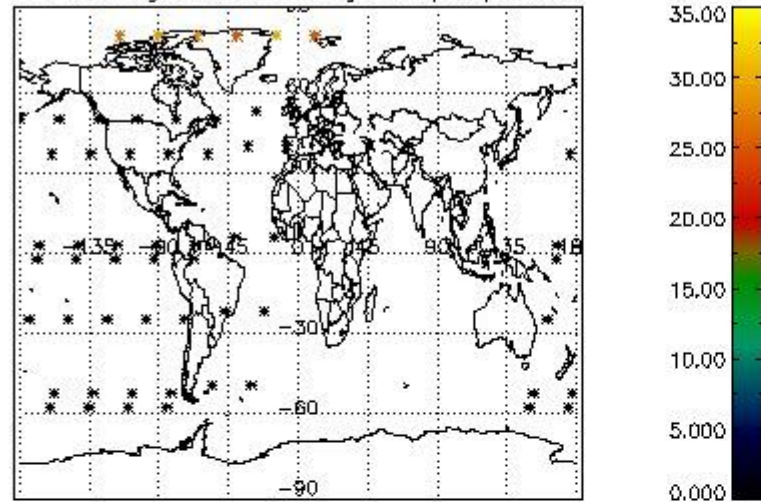


Percentage of saturation errors per profile

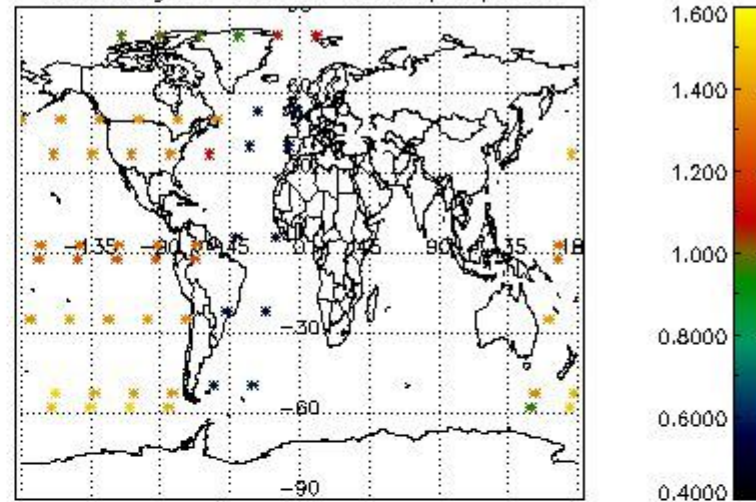


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

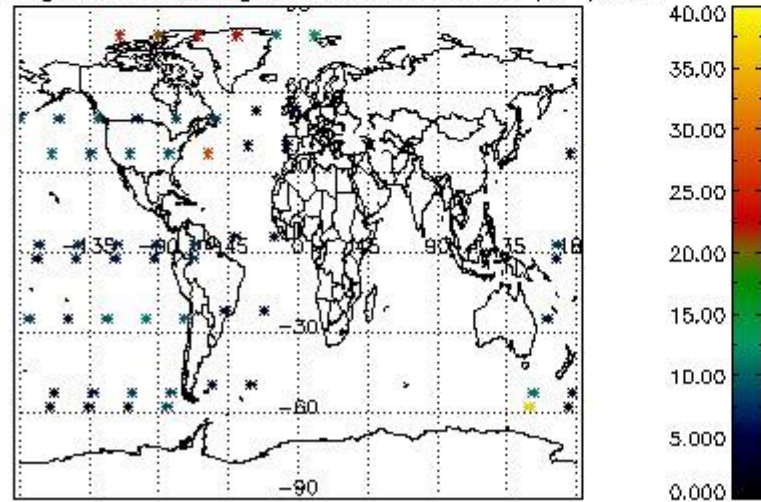
Percentage of cosmic ray hits per profile



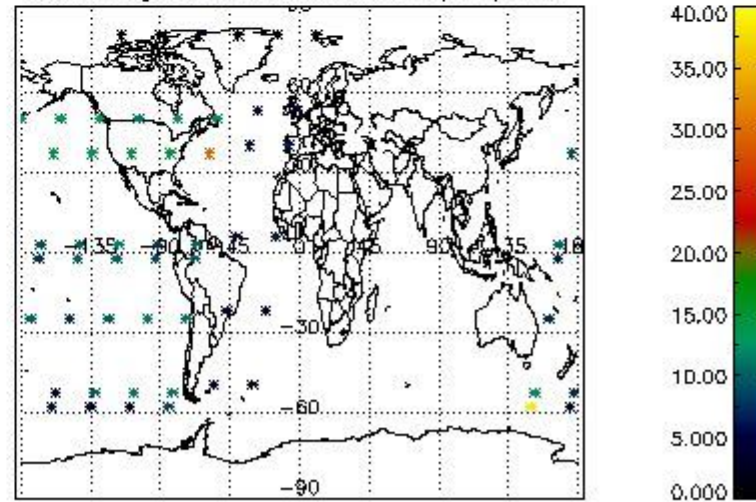
Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

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

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

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

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

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

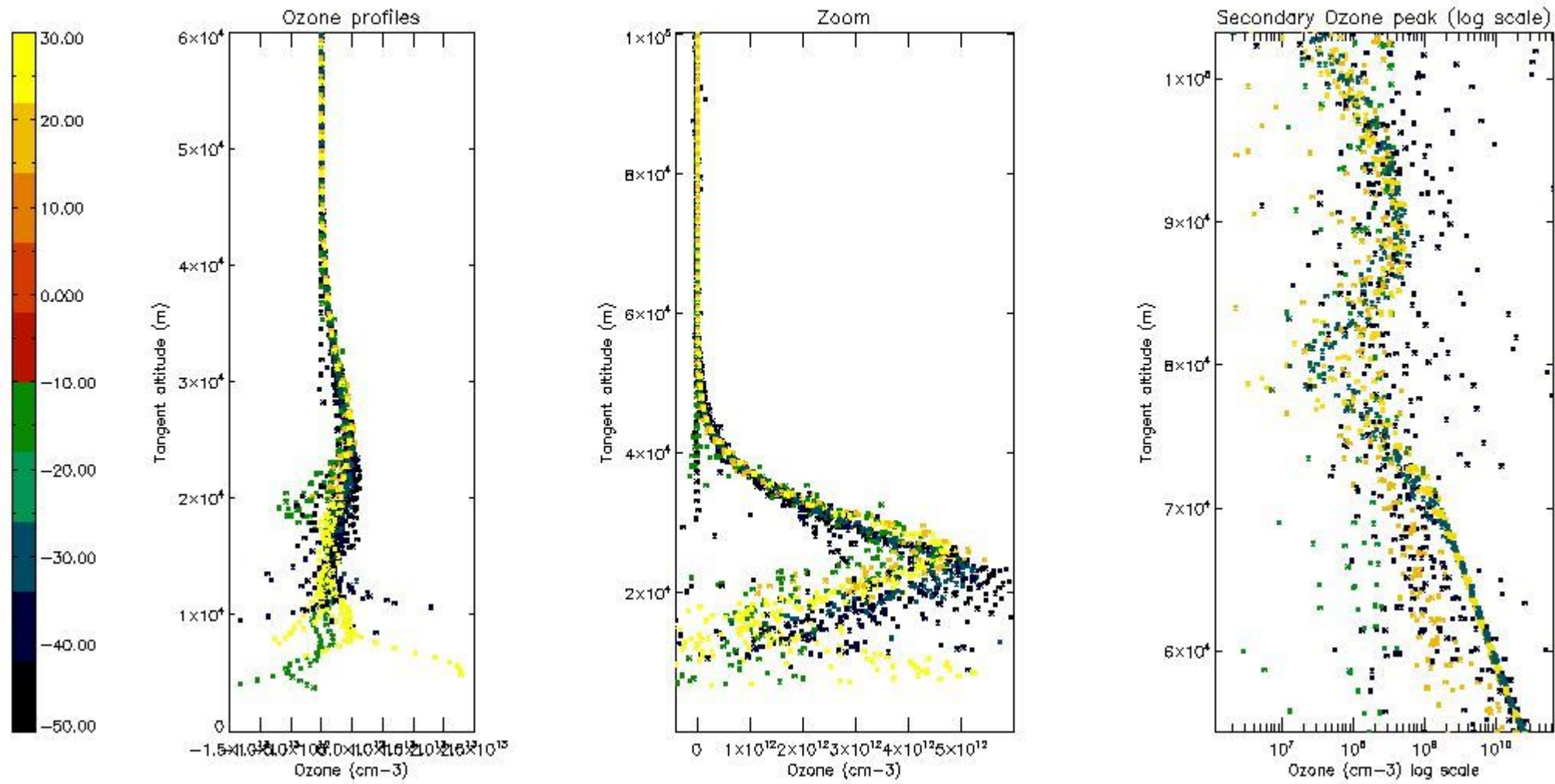
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	38
STD < 20	14

STD < 10	10
STD < 5	6

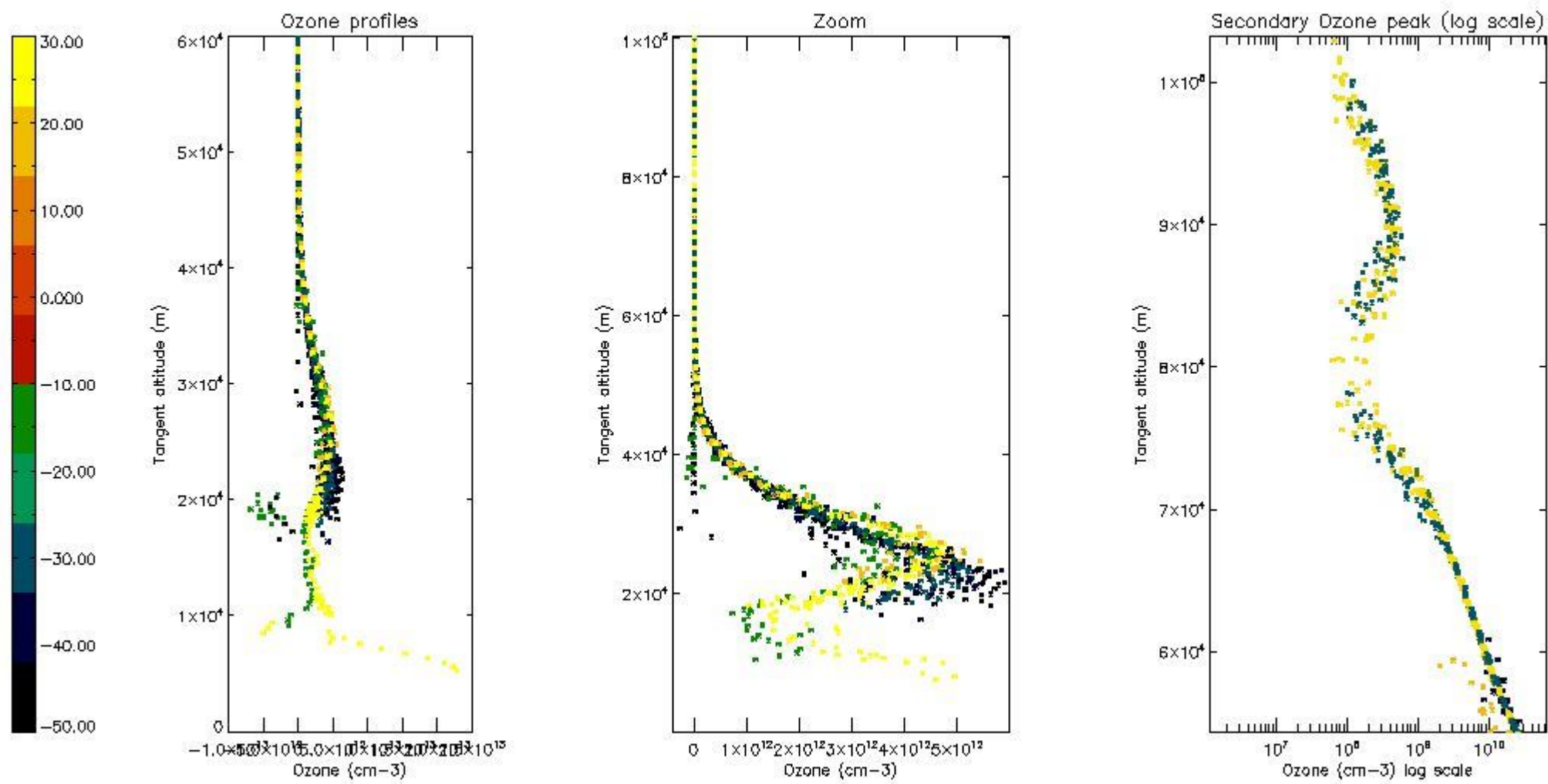
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



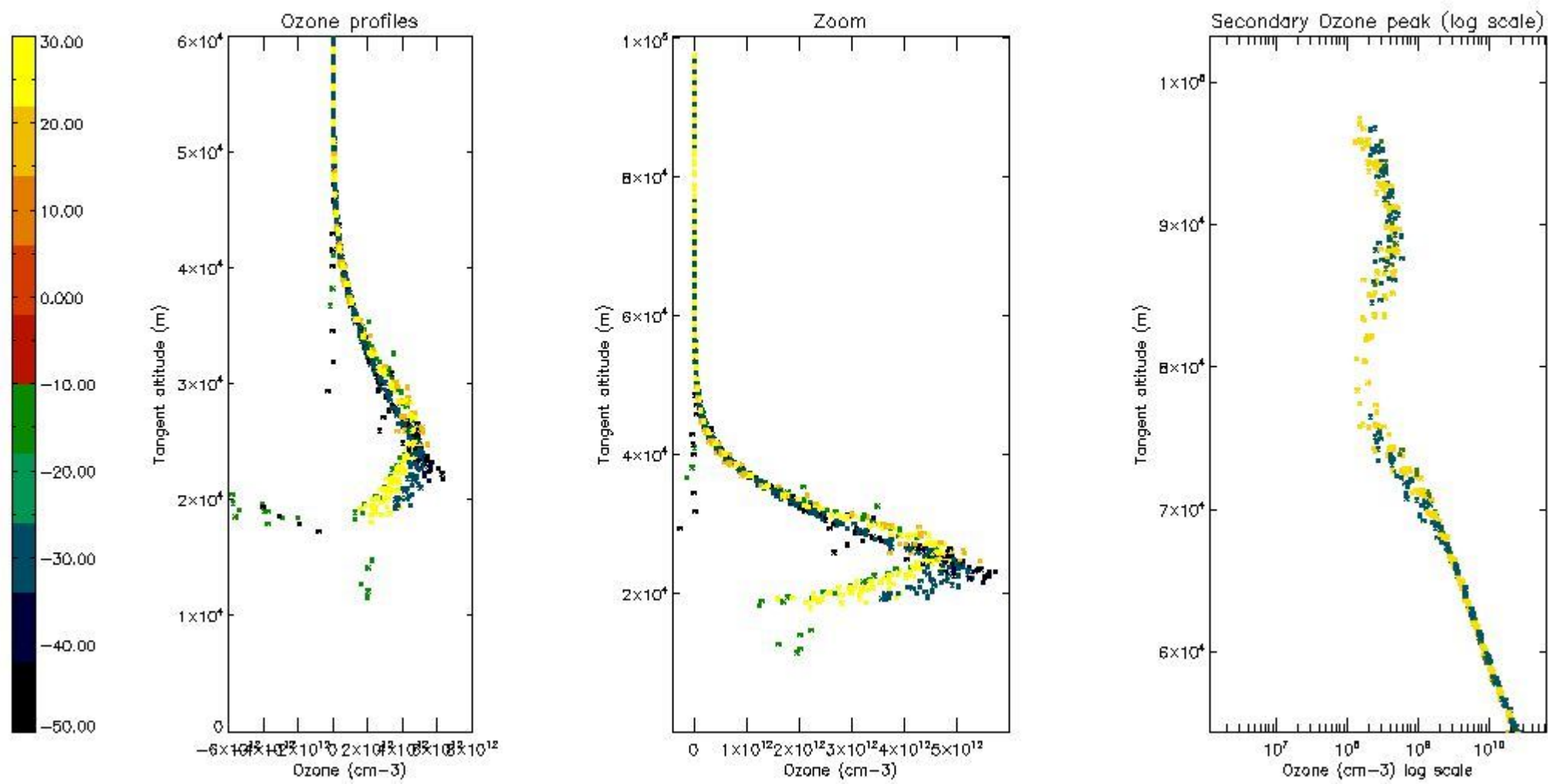
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



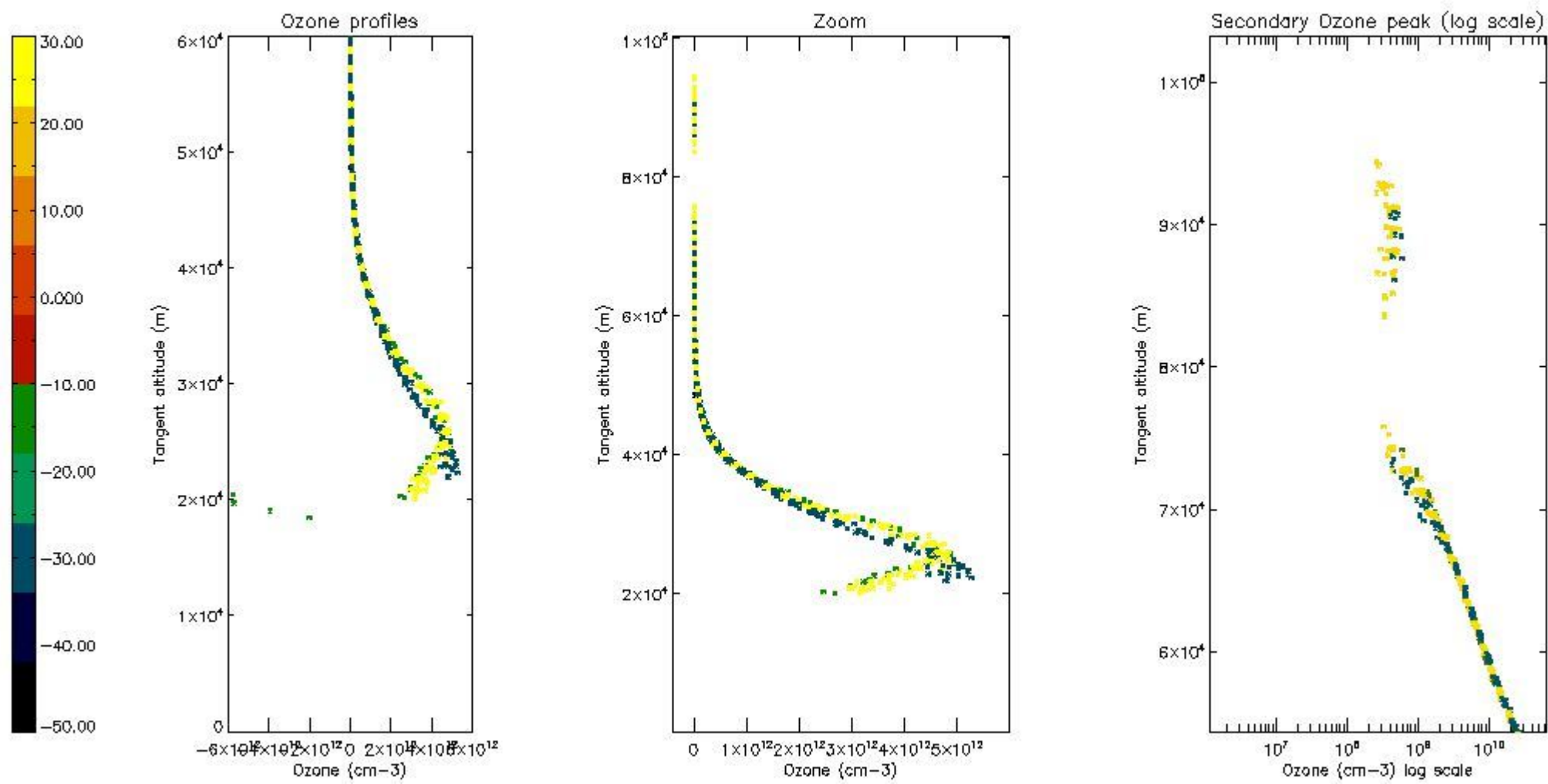
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



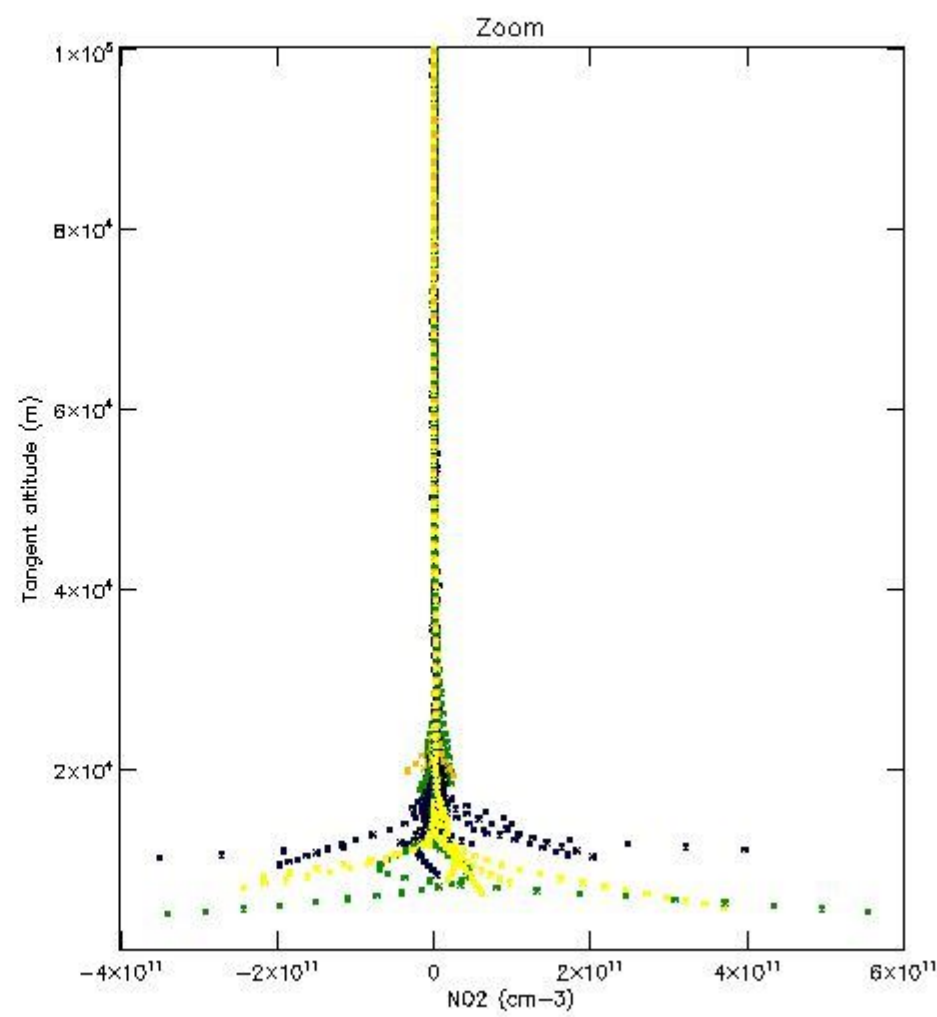
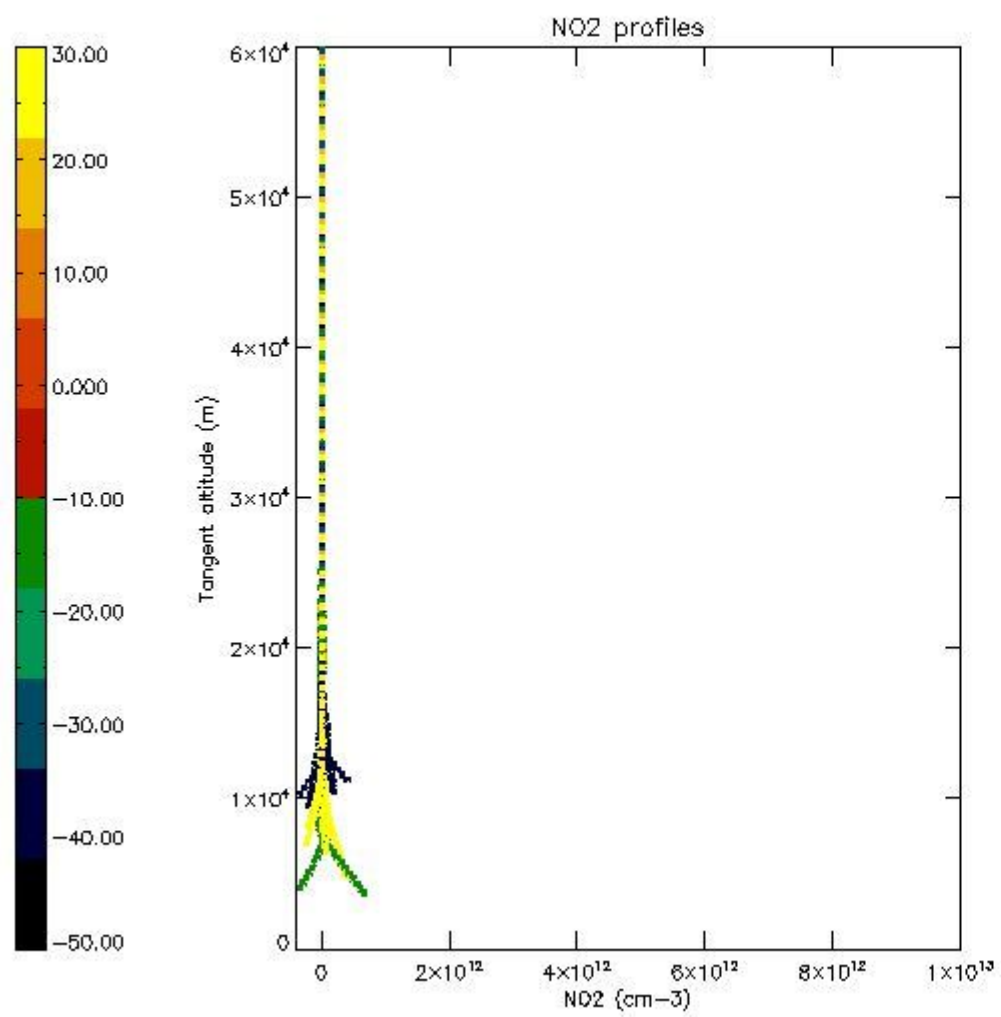
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



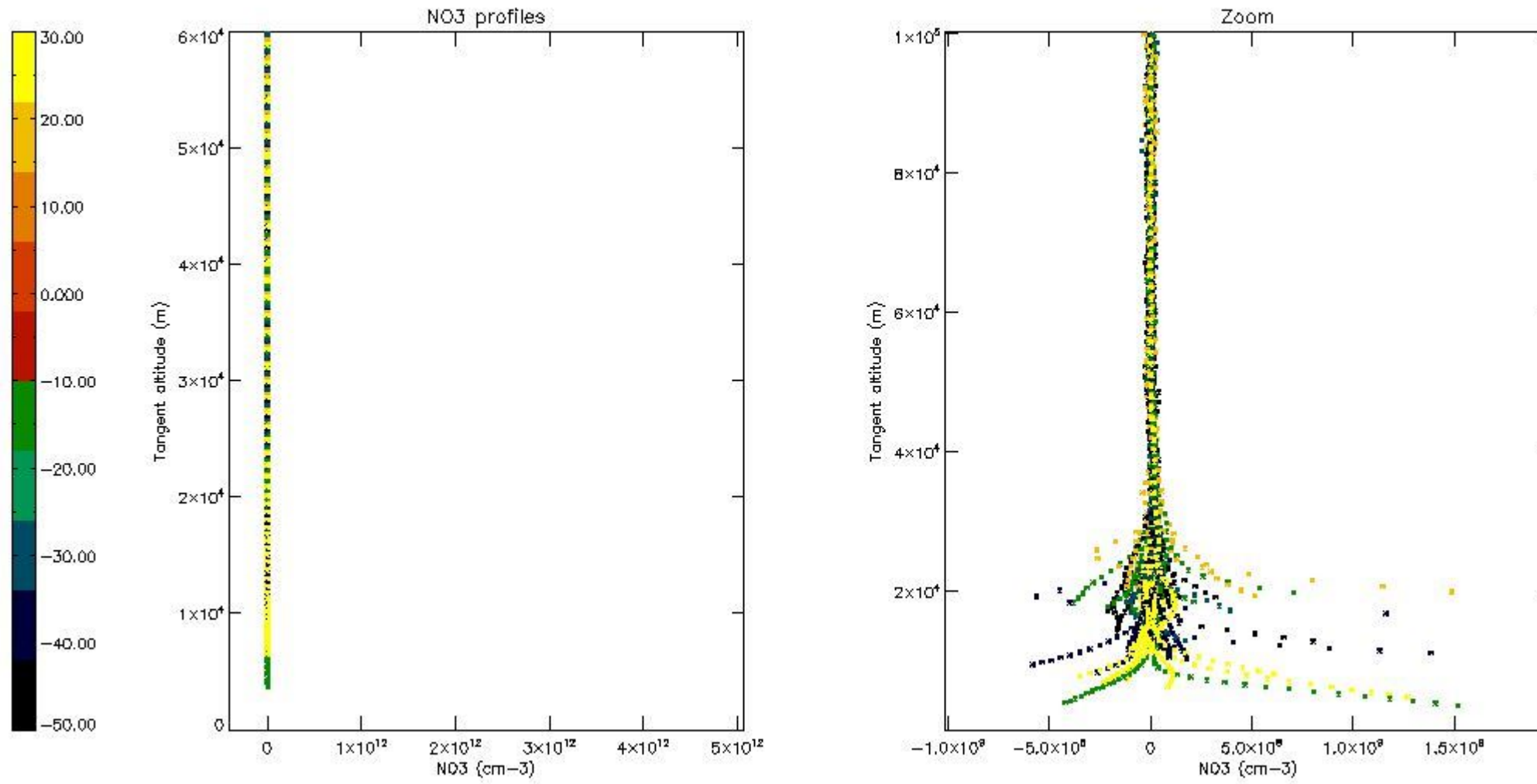
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

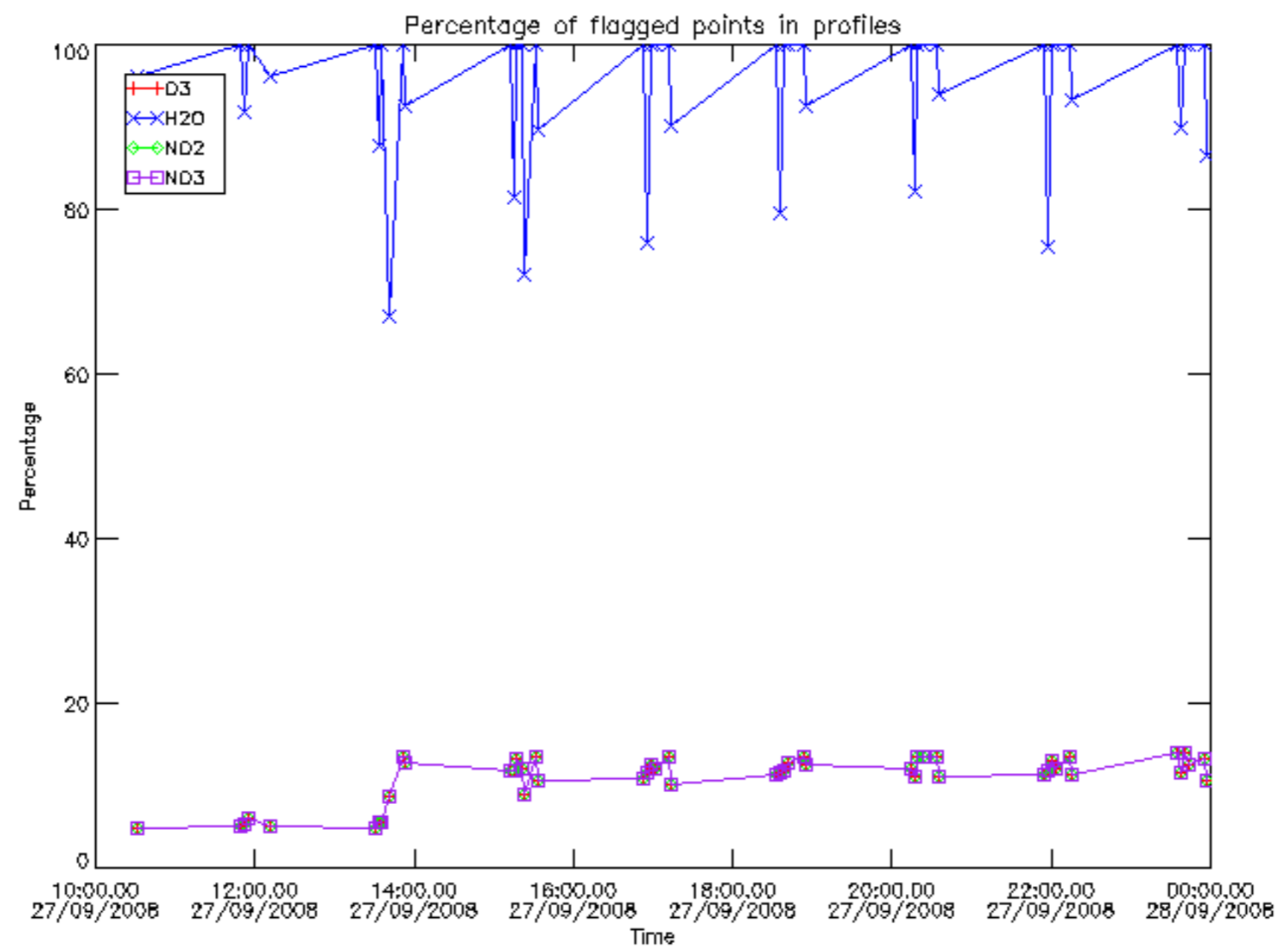
The colorbar represents the latitude.



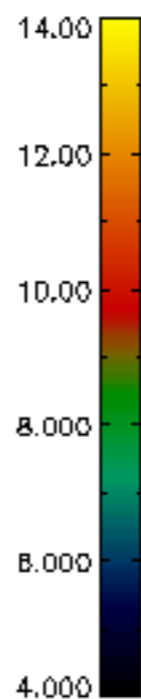
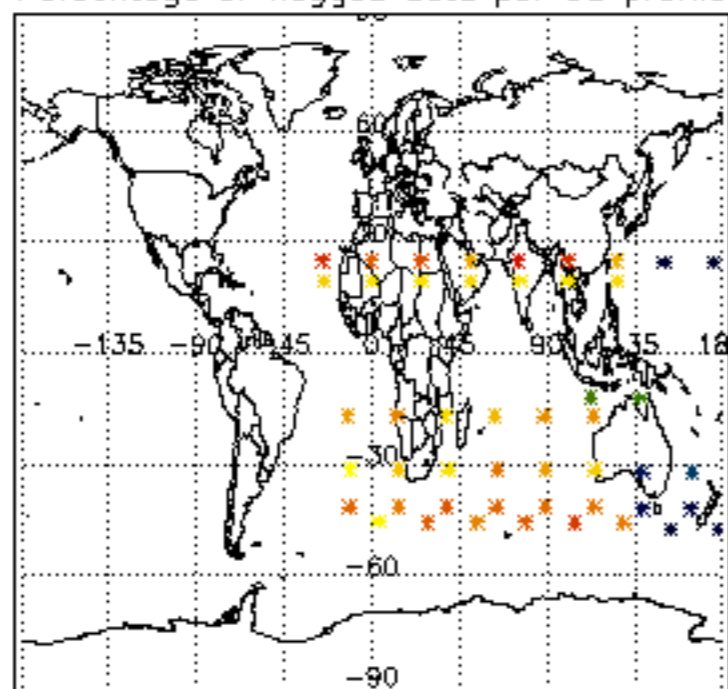
6. Auxiliary Data Files used for the production reported in section 2

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

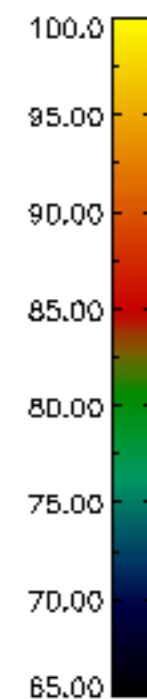
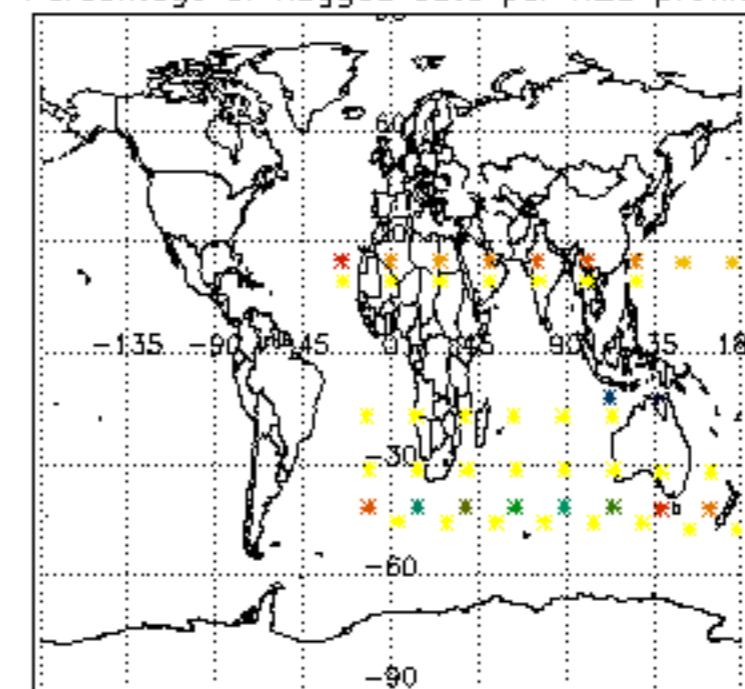
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	27-SEP-2008 10:30:39
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	27-SEP-2008 10:30:39
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	27-SEP-2008 10:30:39



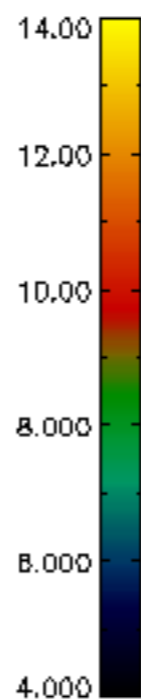
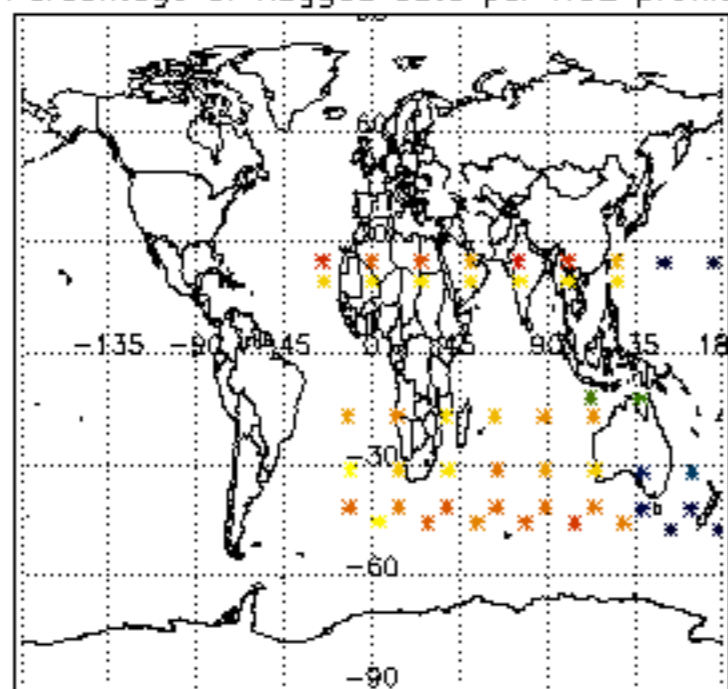
Percentage of flagged data per D3 profile



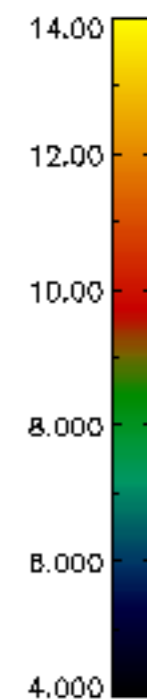
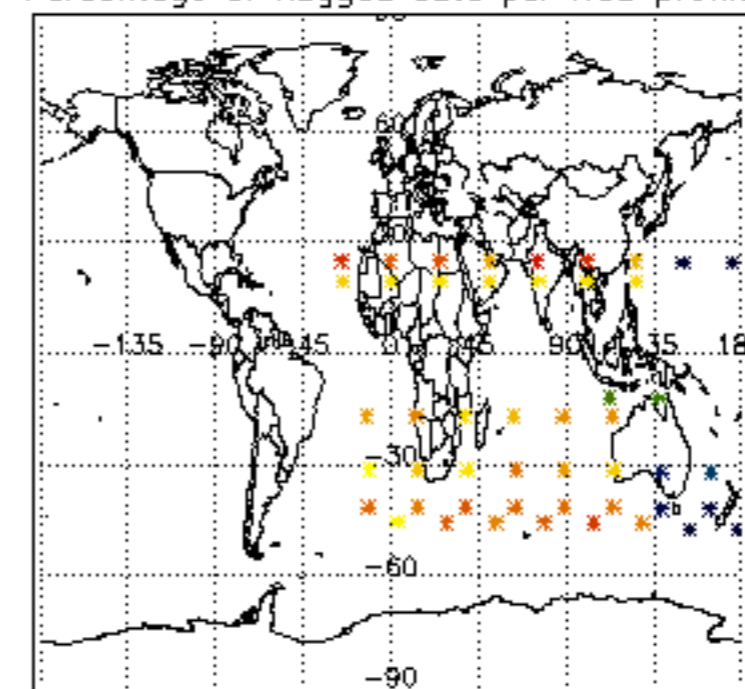
Percentage of flagged data per H2O profile

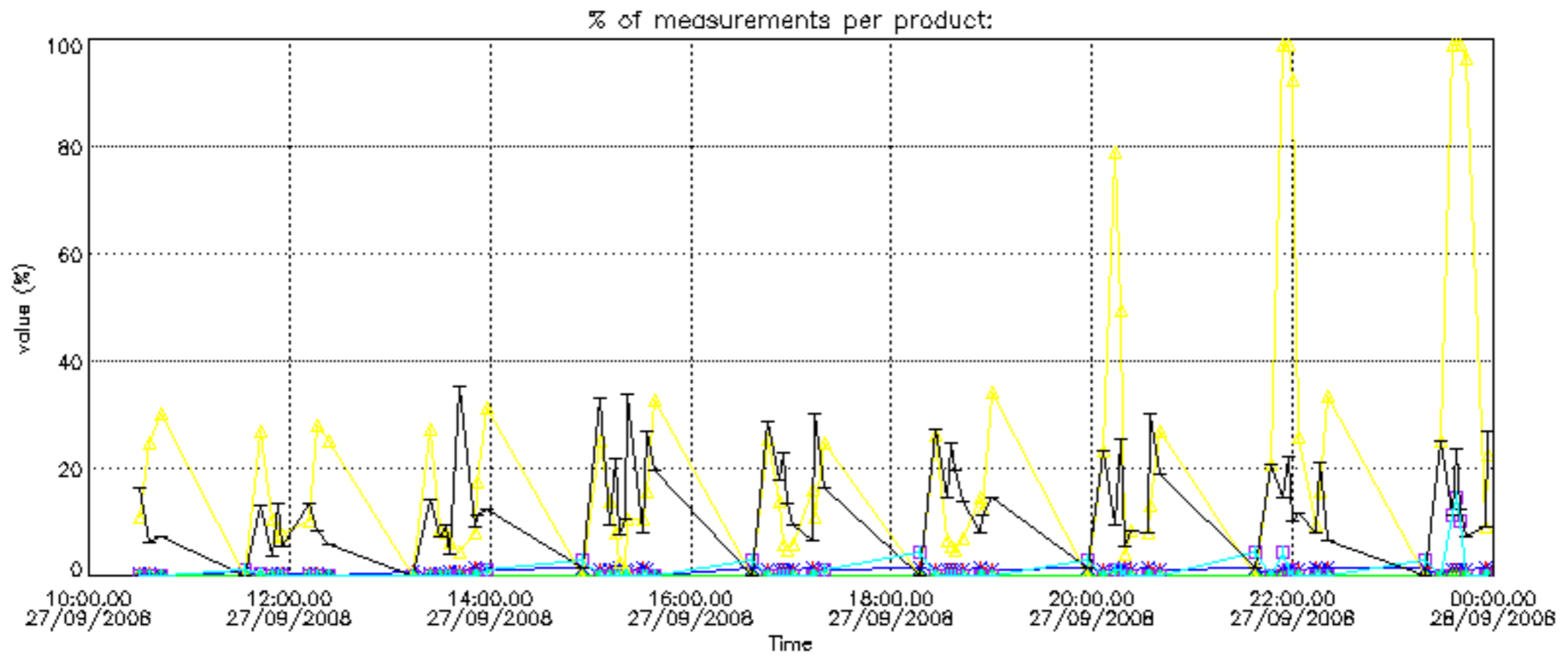


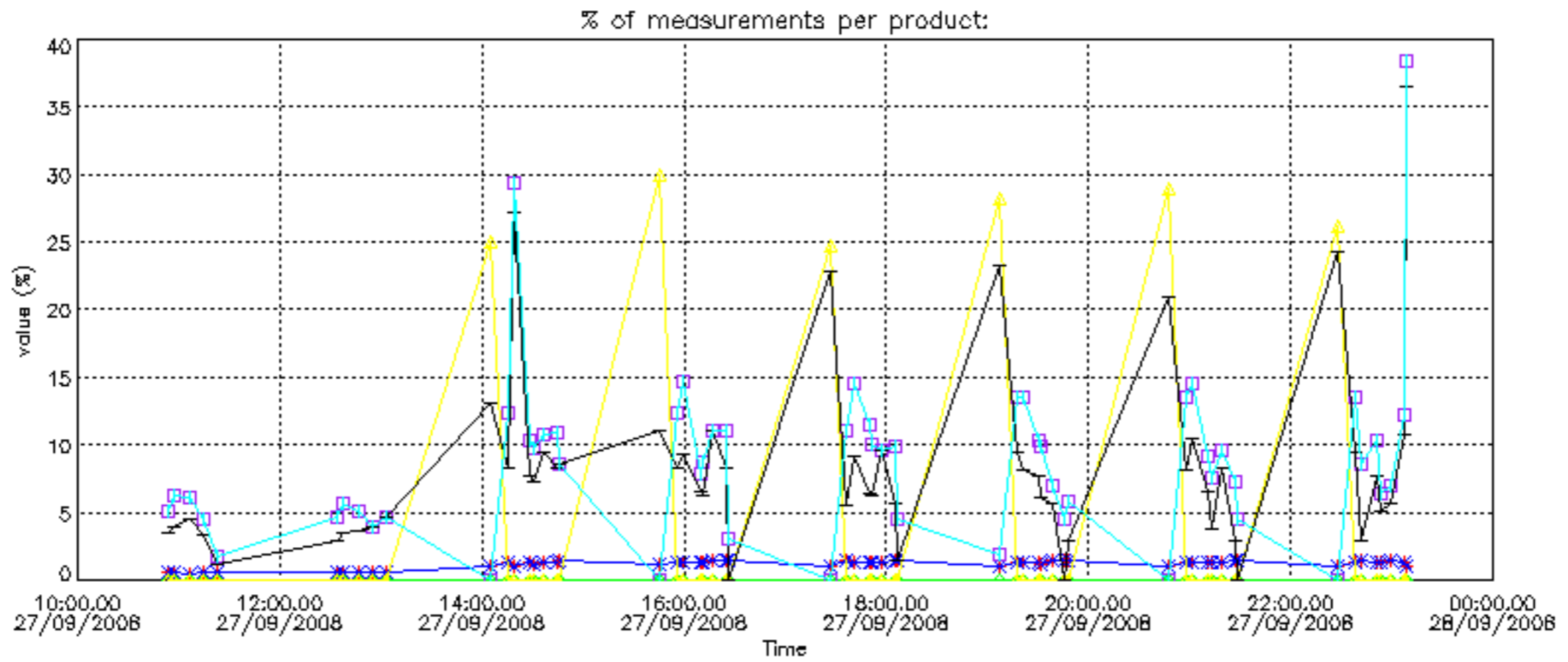
Percentage of flagged data per NO2 profile



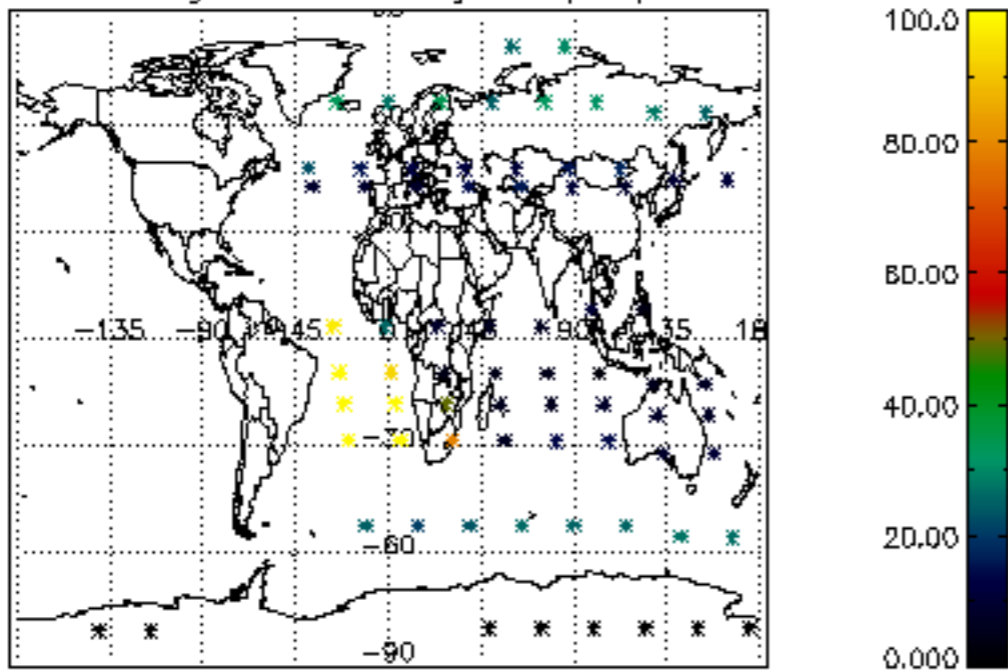
Percentage of flagged data per NO3 profile



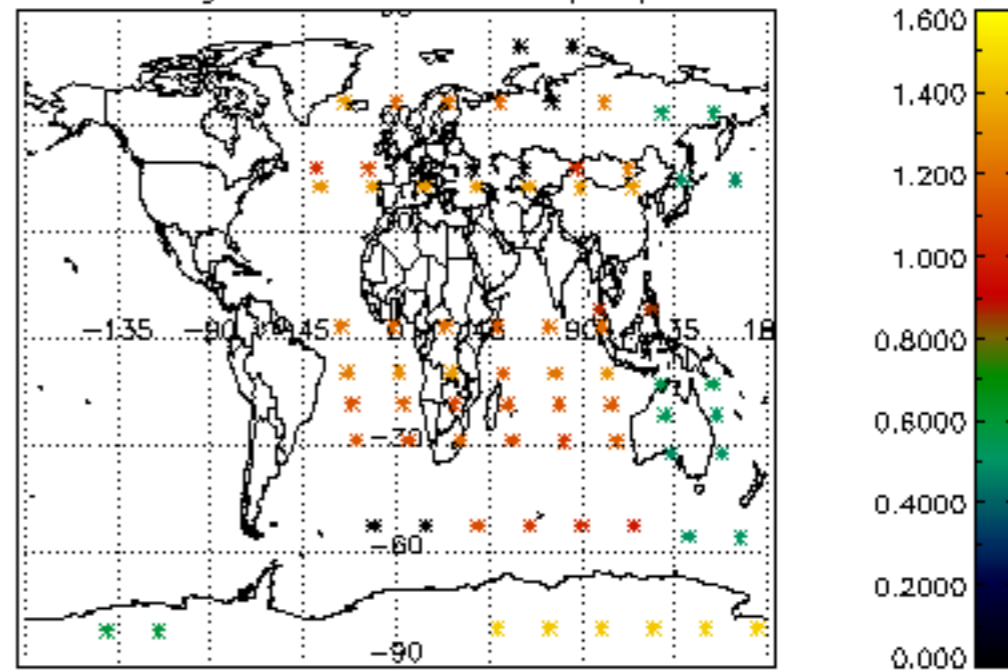




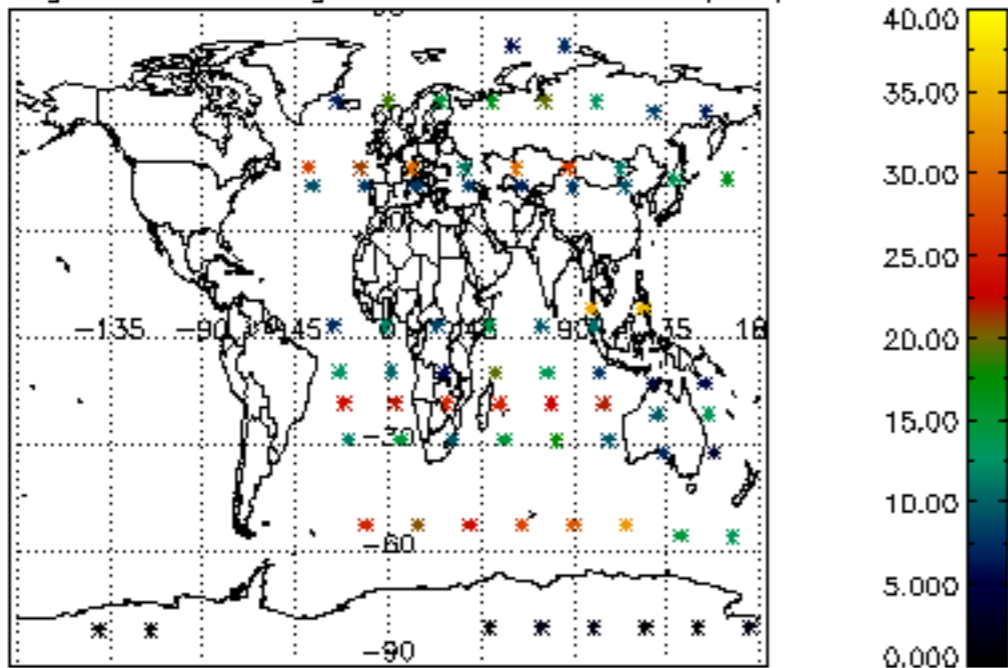
Percentage of cosmic ray hits per profile



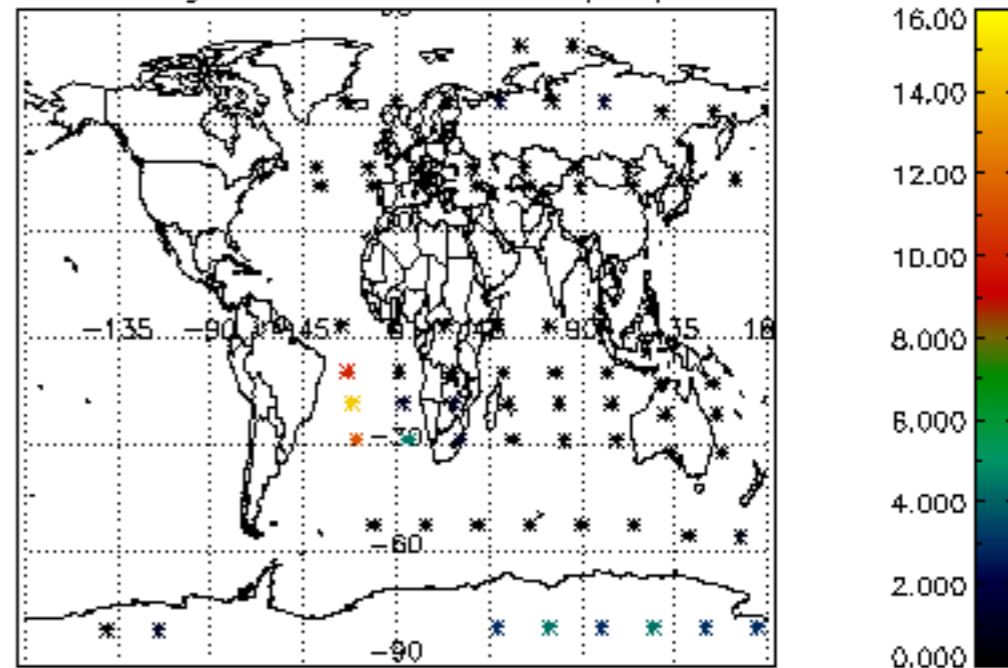
Percentage of datation errors per profile



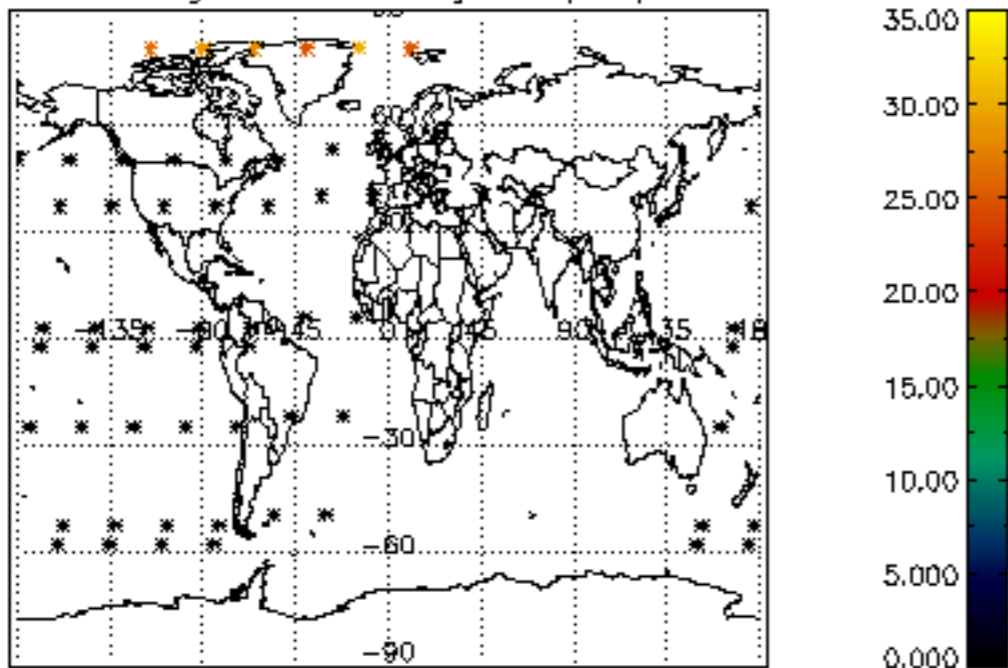
Percentage of star falling outside central band per profile



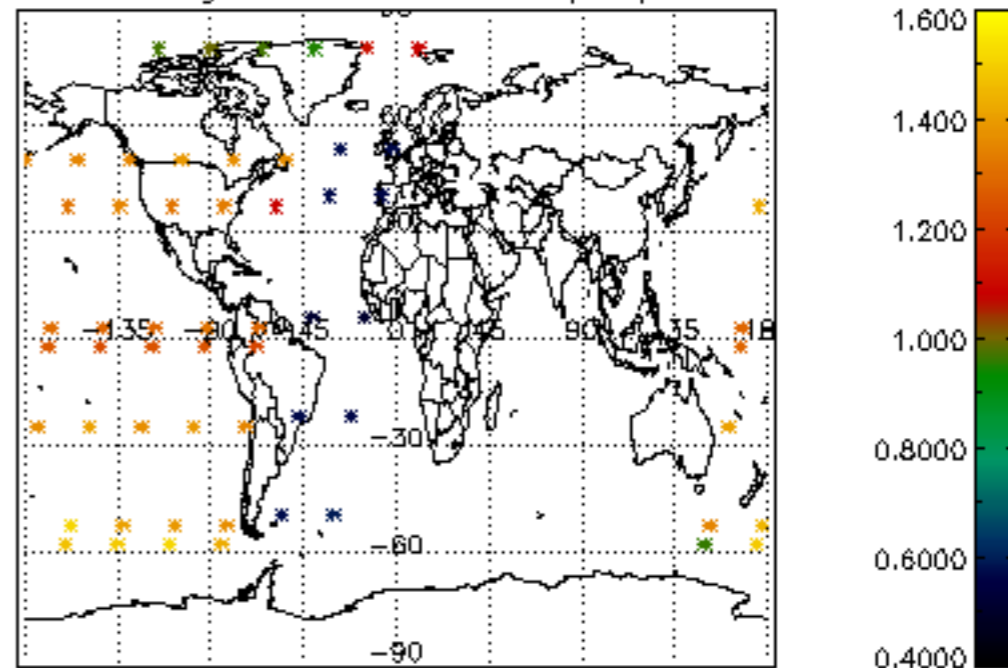
Percentage of saturation errors per profile



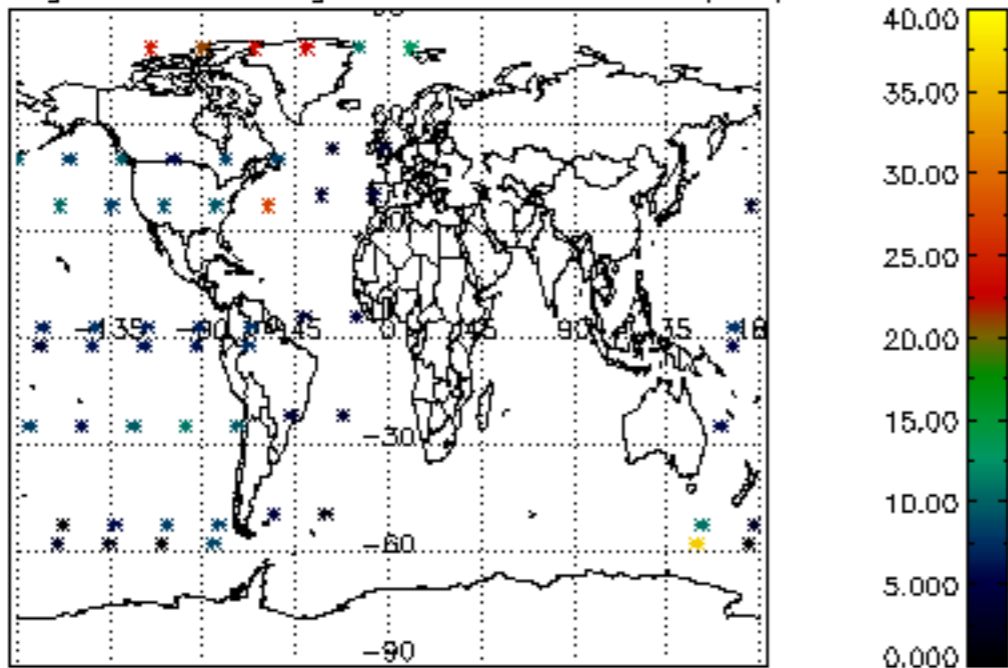
Percentage of cosmic ray hits per profile



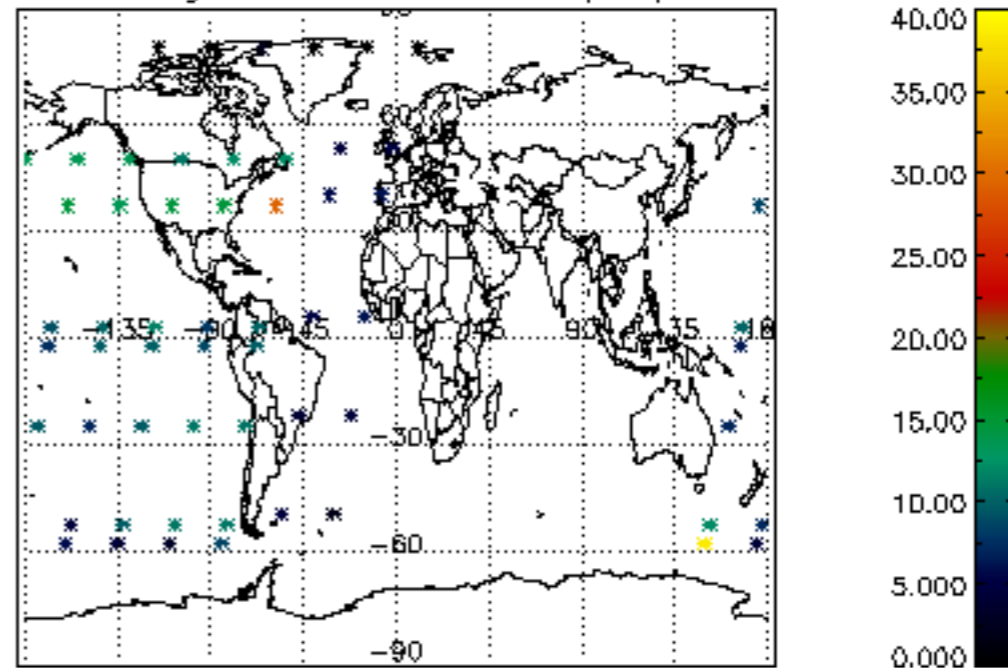
Percentage of datation errors per profile

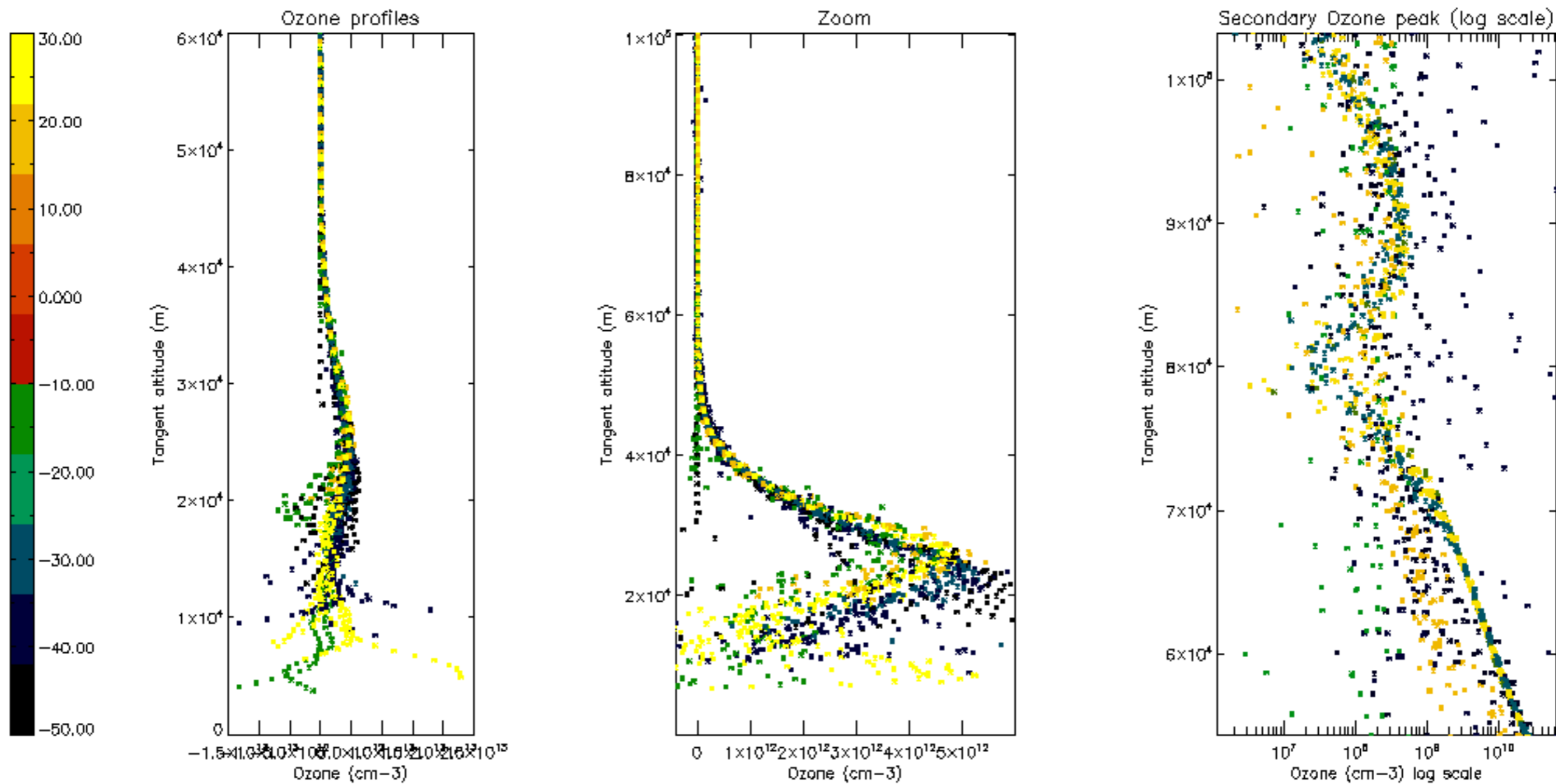


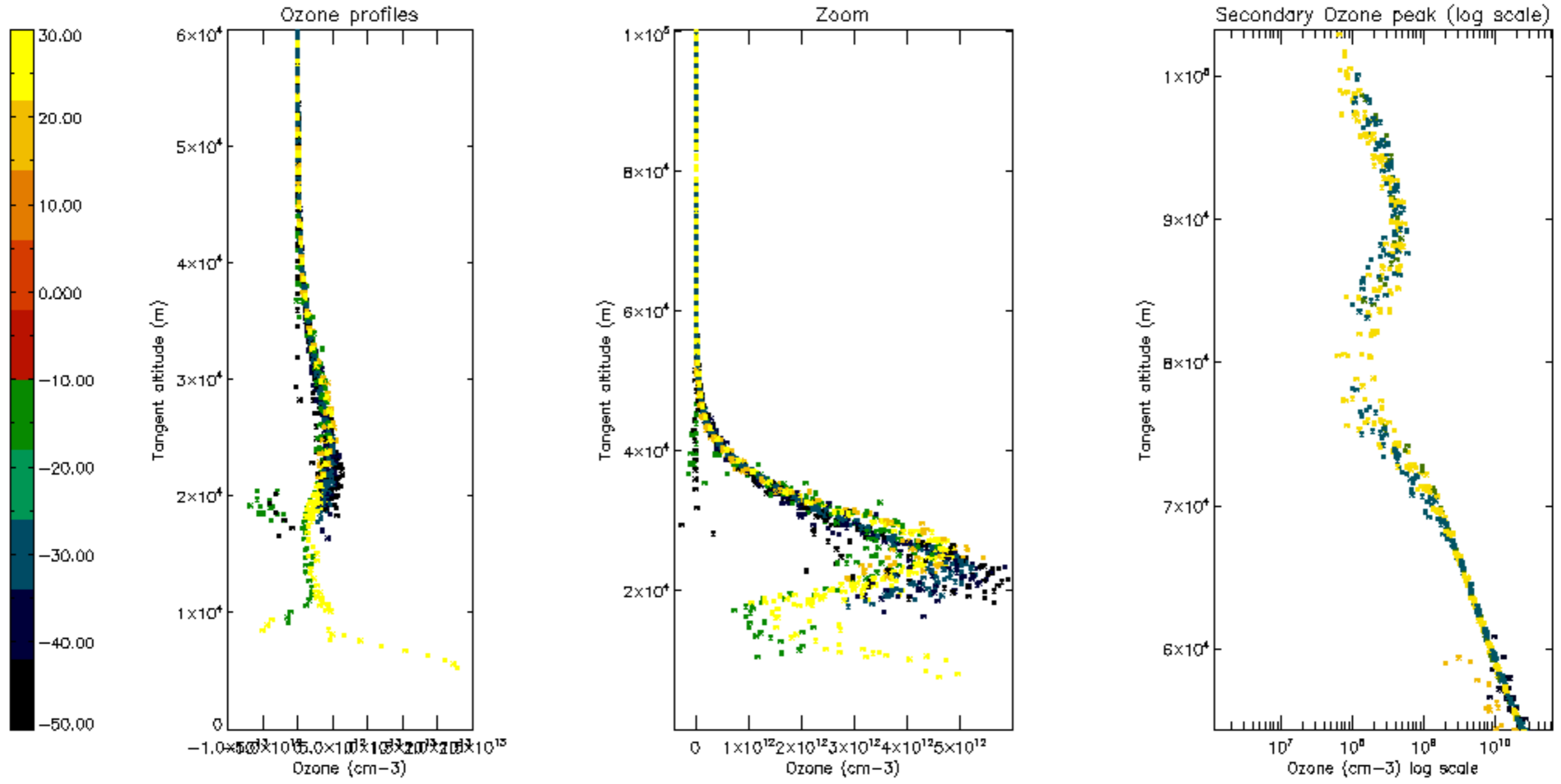
Percentage of star falling outside central band per profile

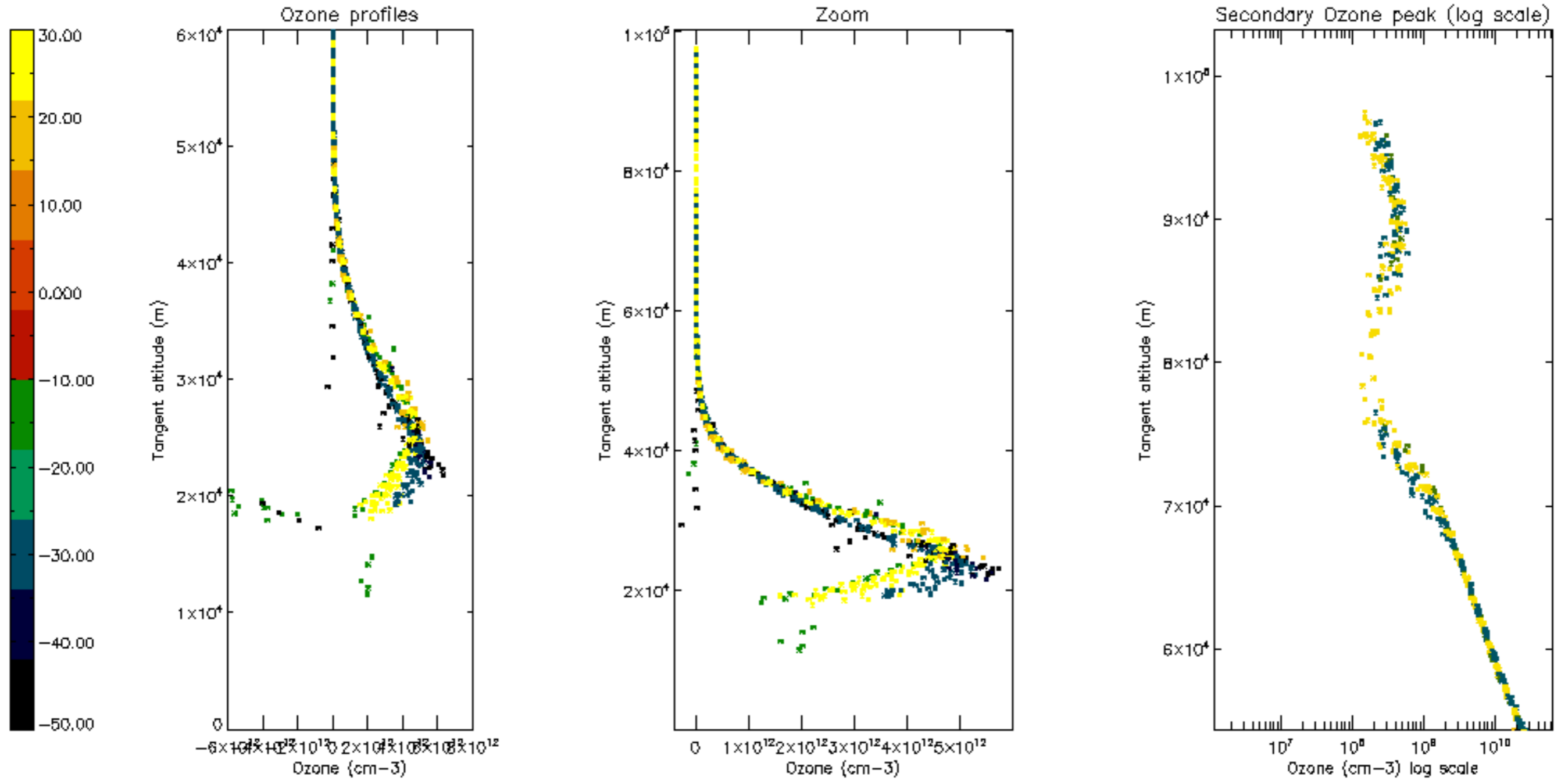


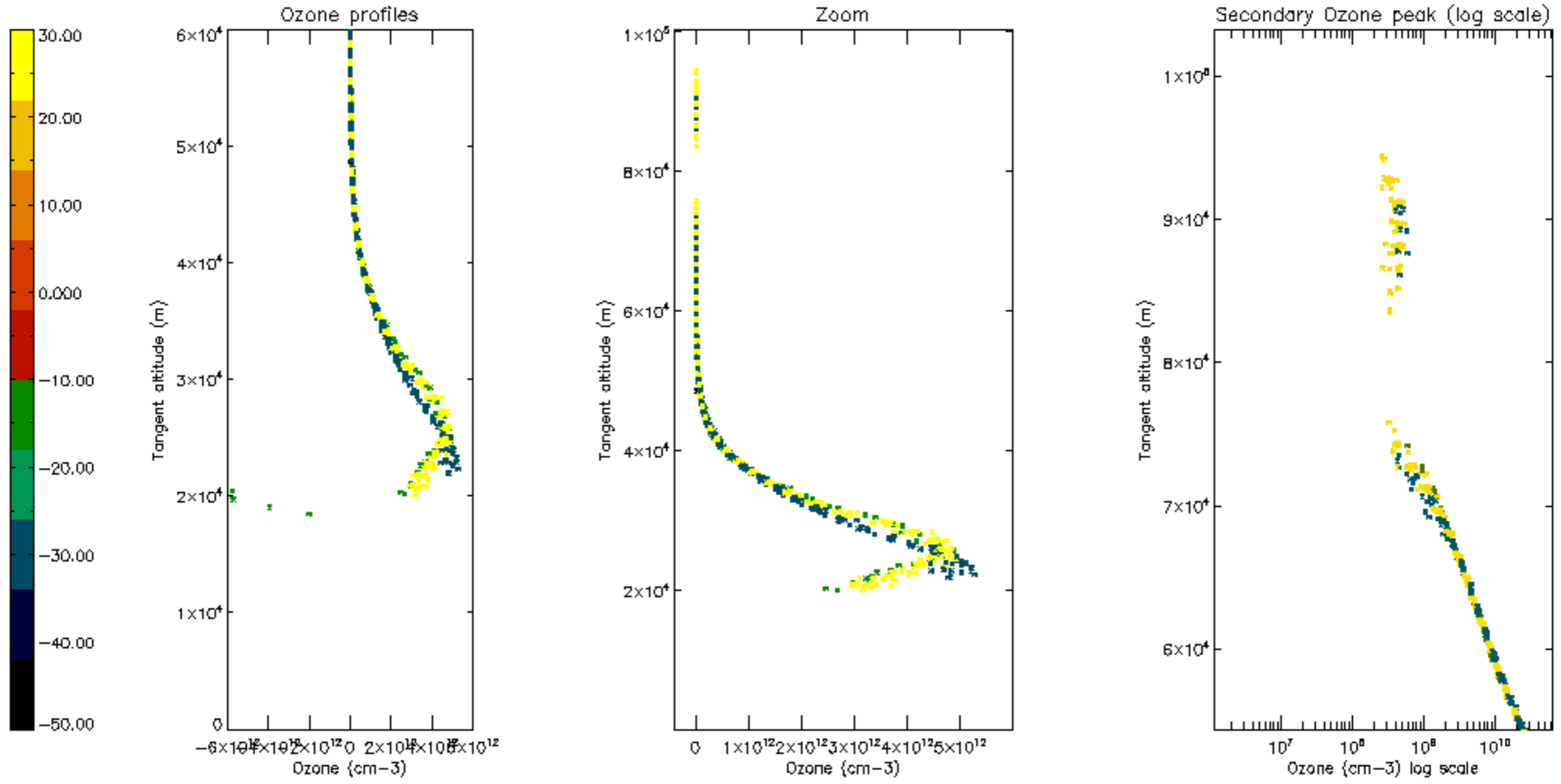
Percentage of saturation errors per profile

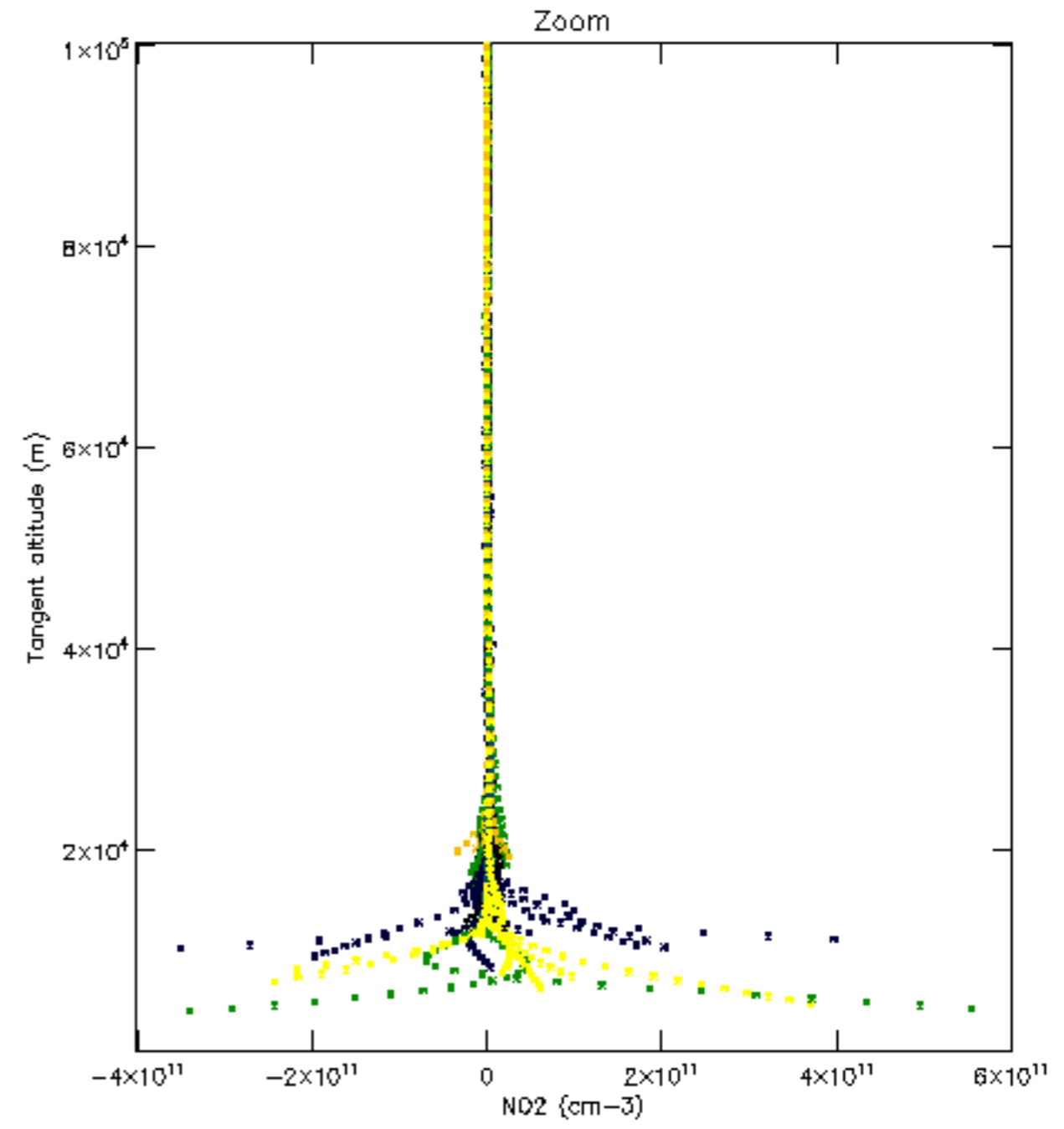
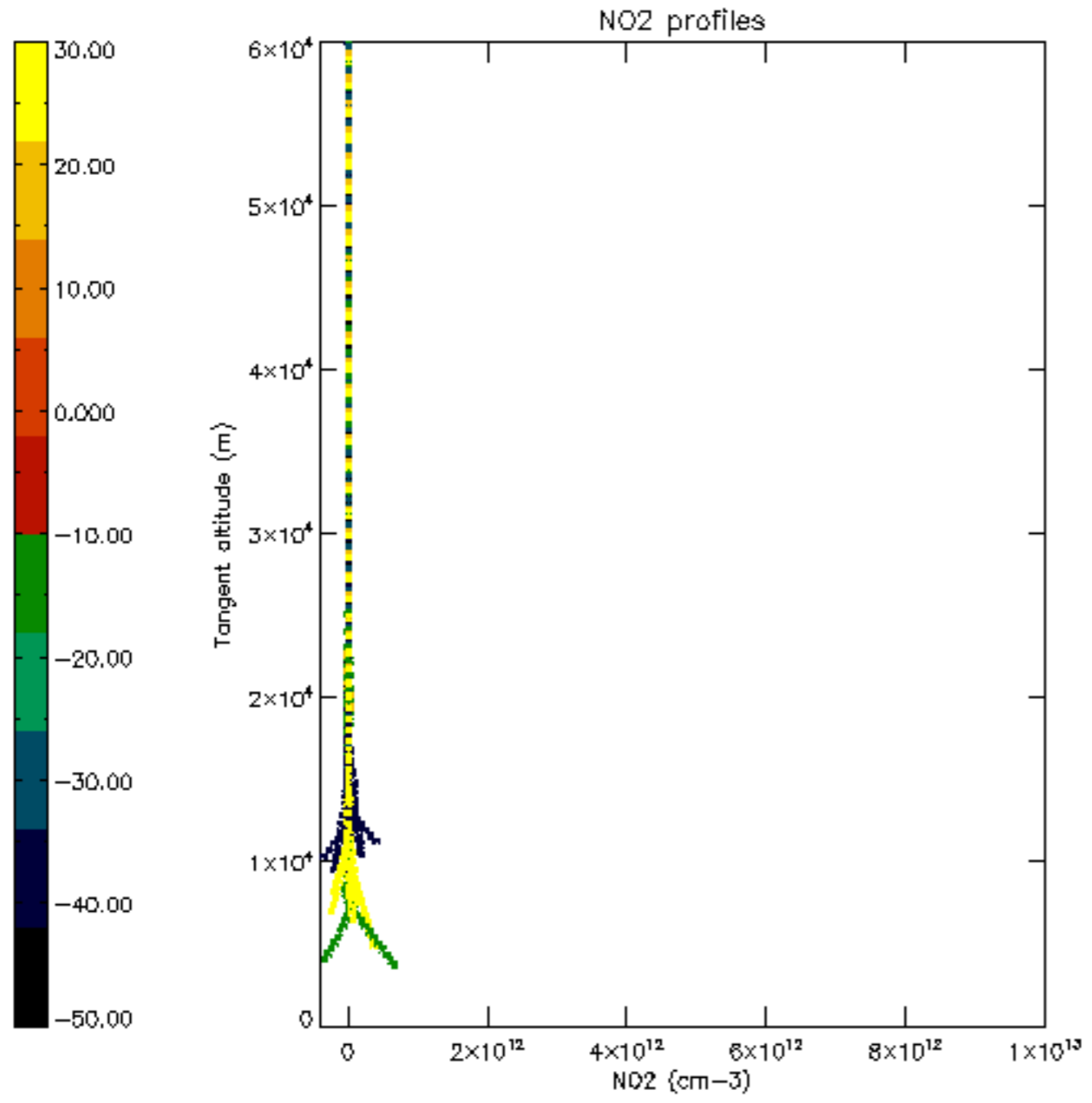


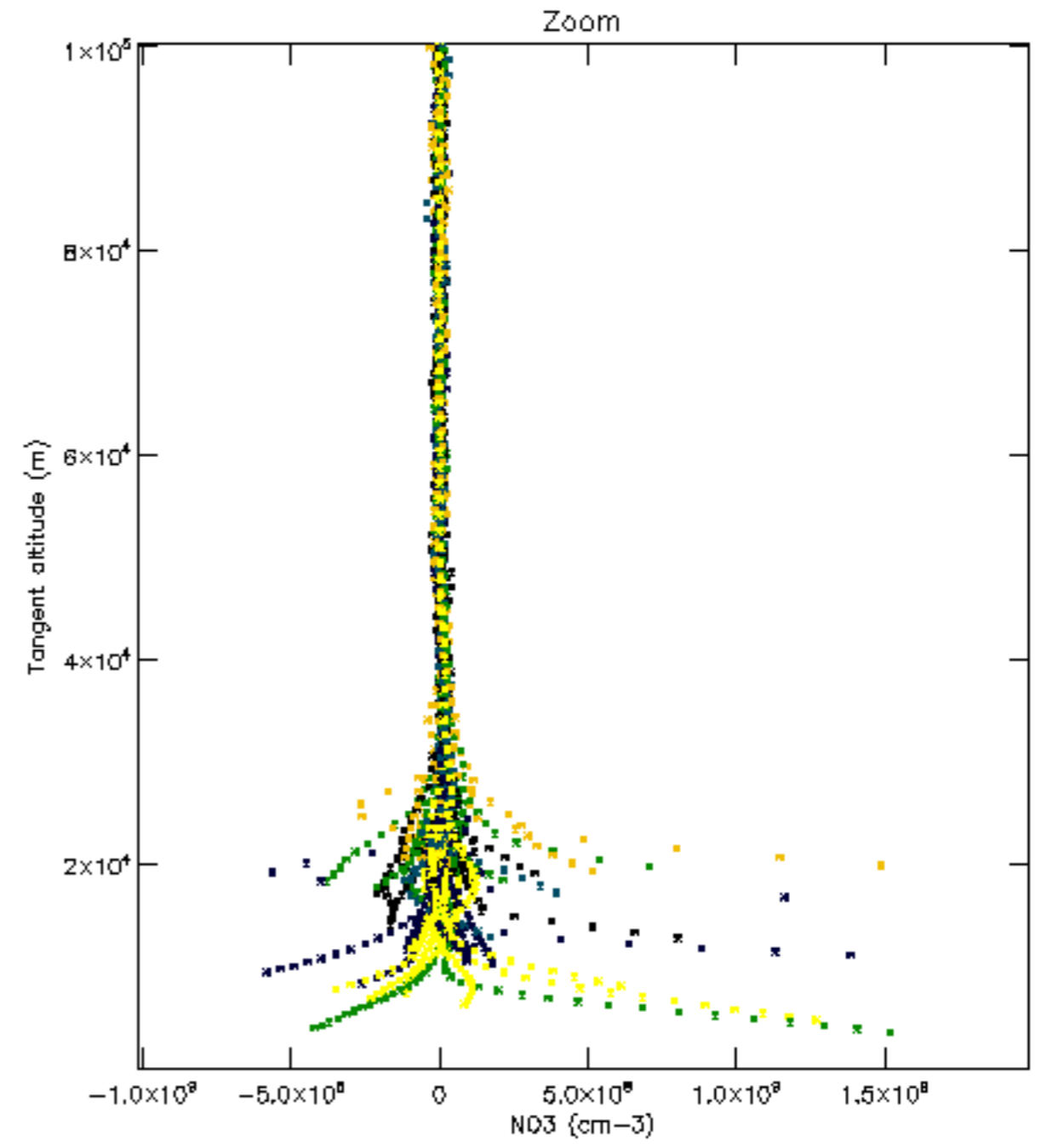
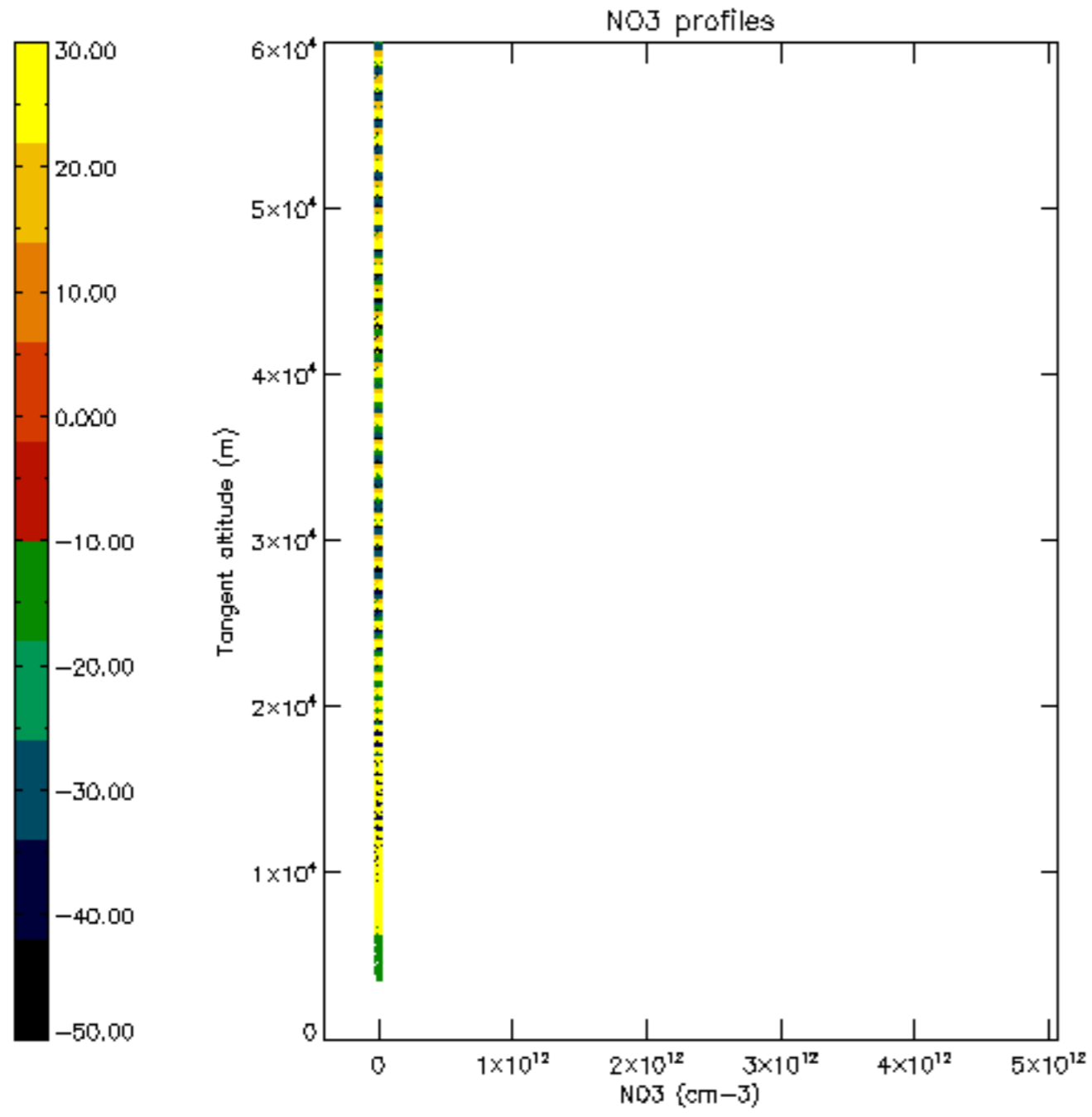


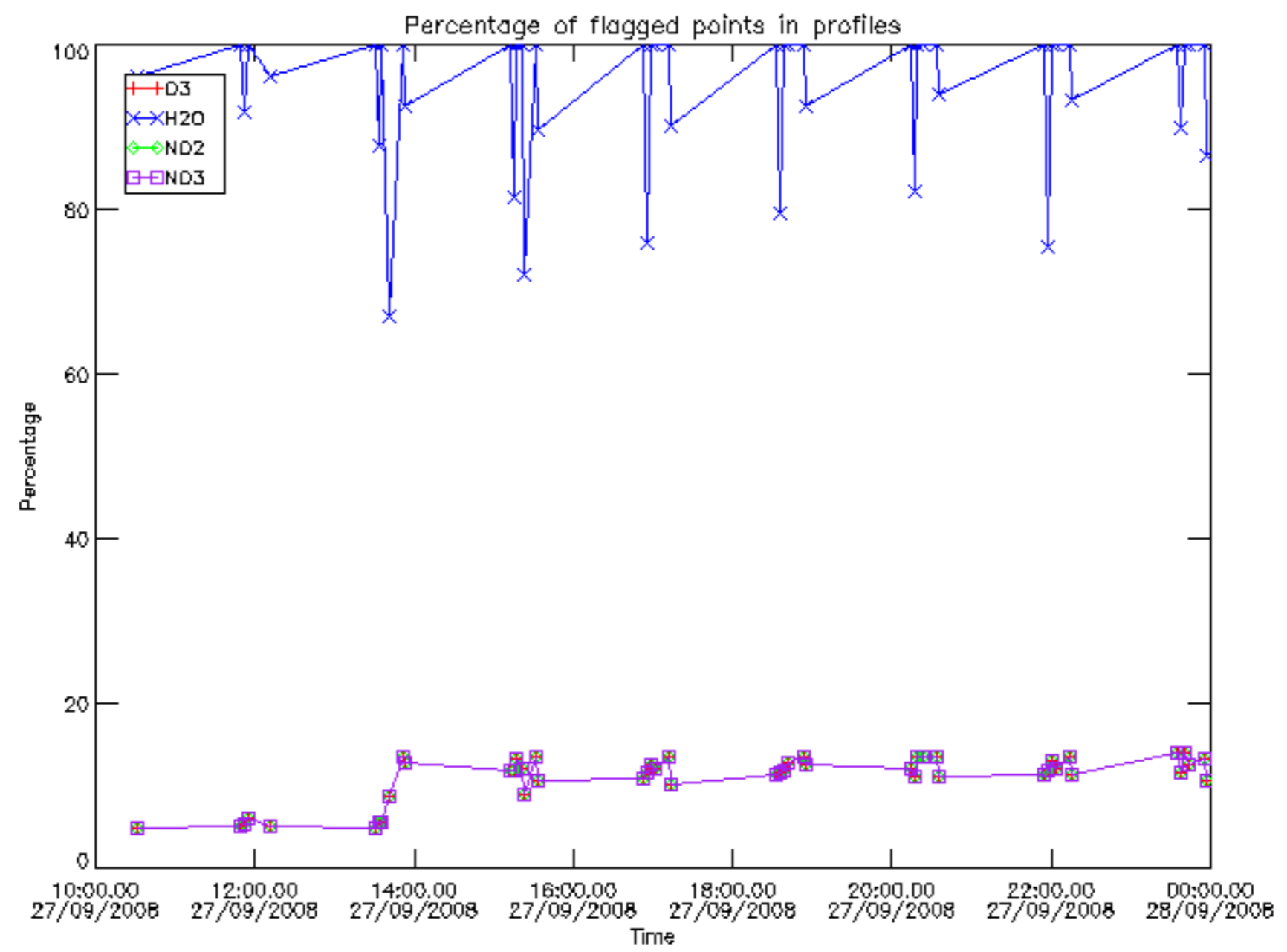




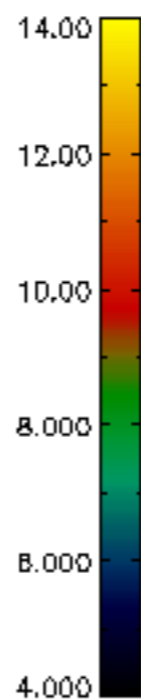
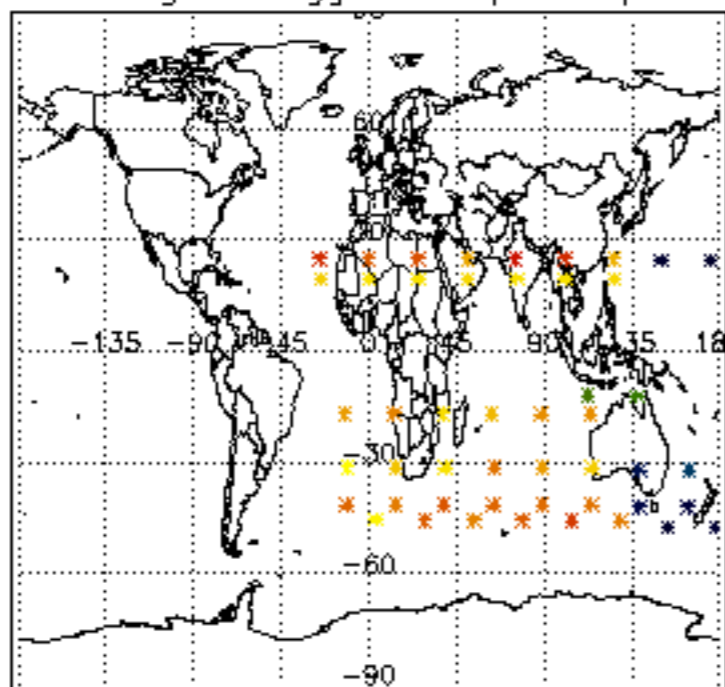




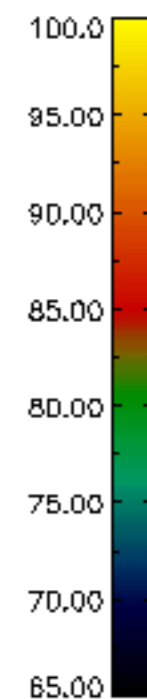
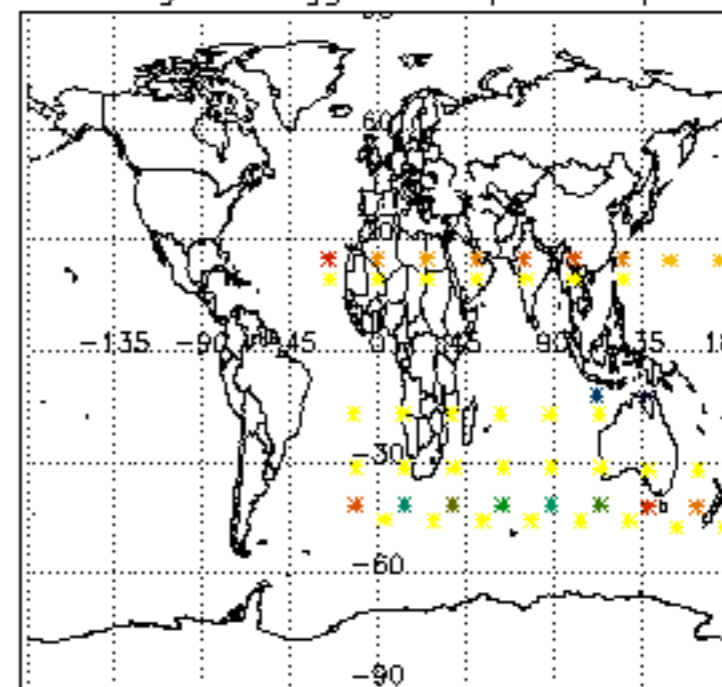




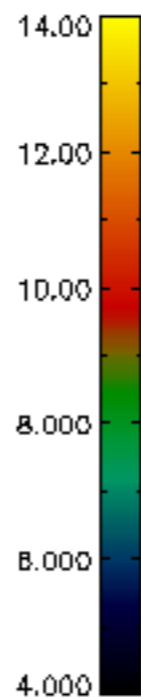
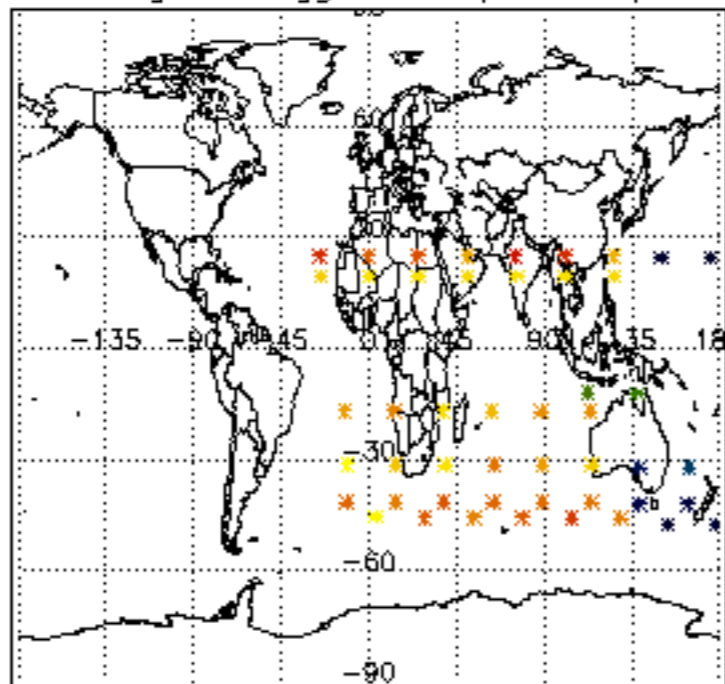
Percentage of flagged data per D3 profile



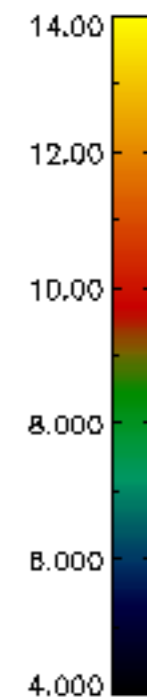
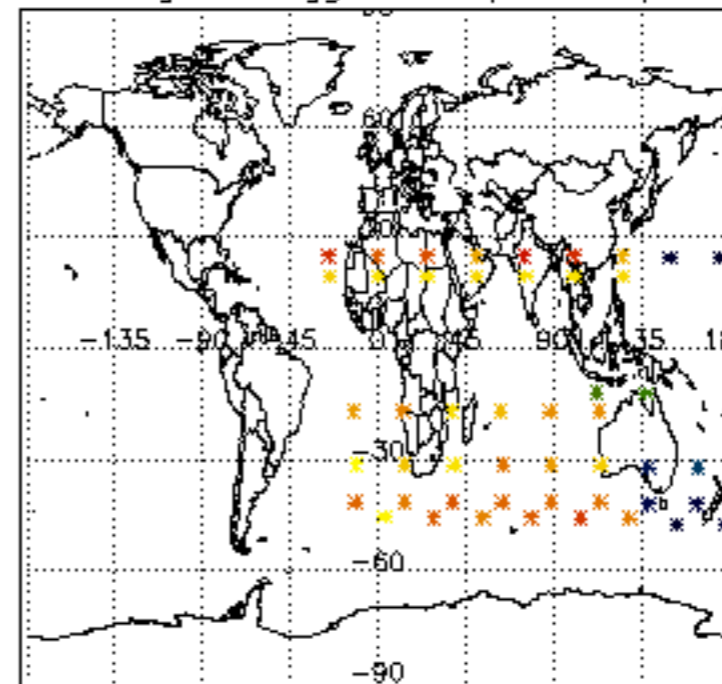
Percentage of flagged data per H2O profile

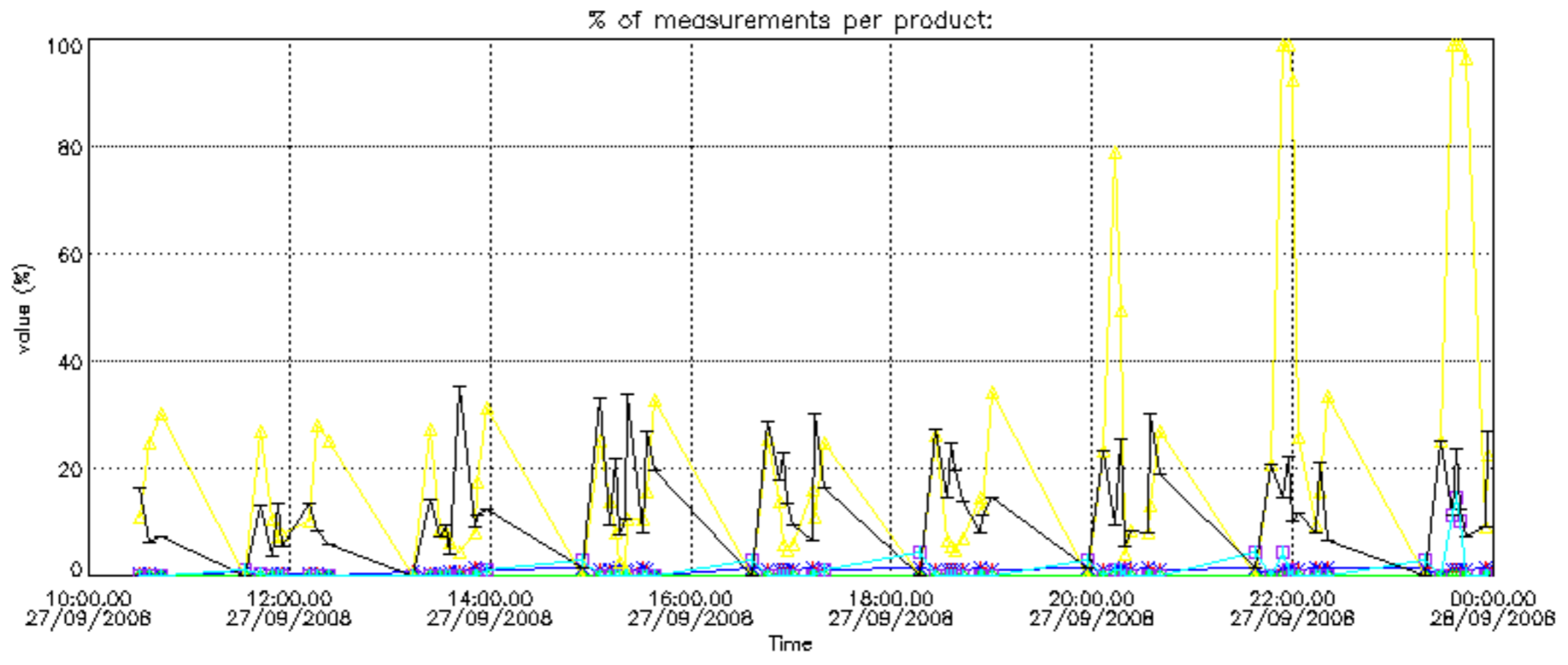


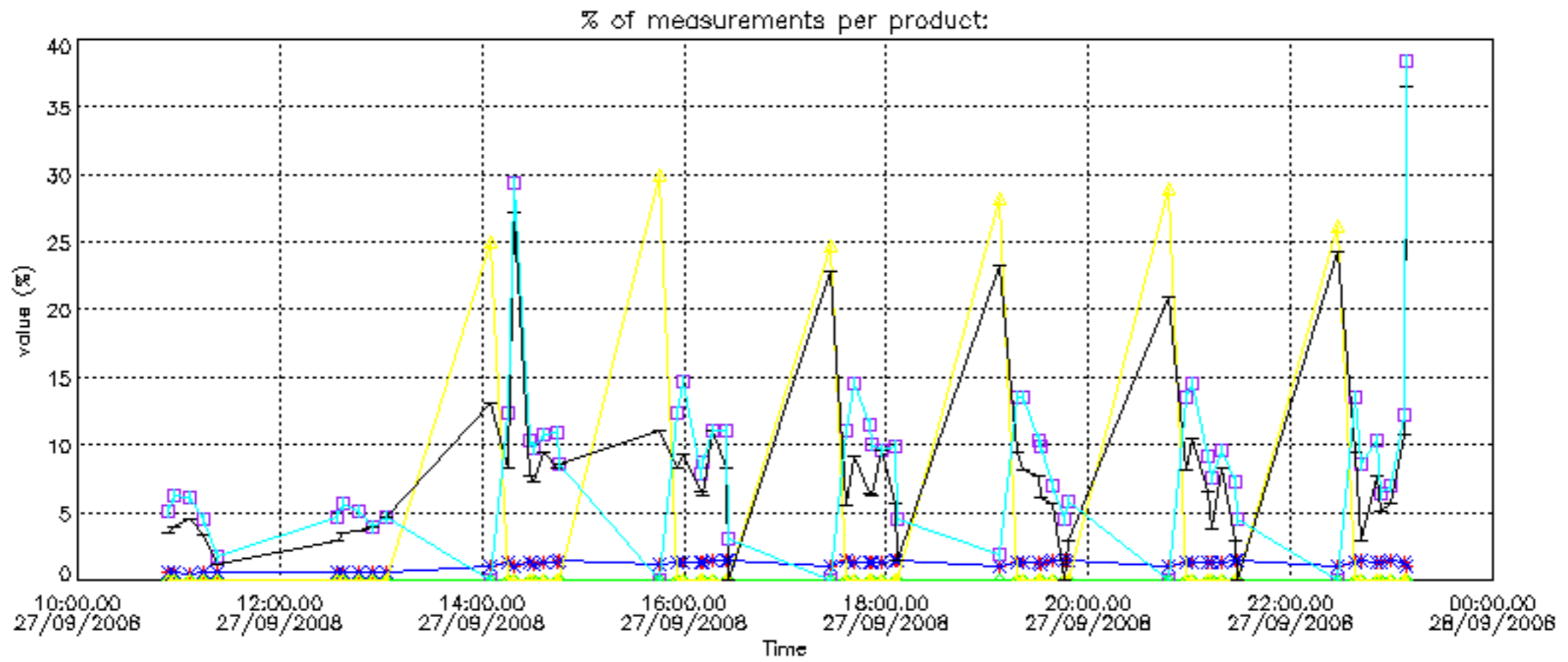
Percentage of flagged data per NO2 profile



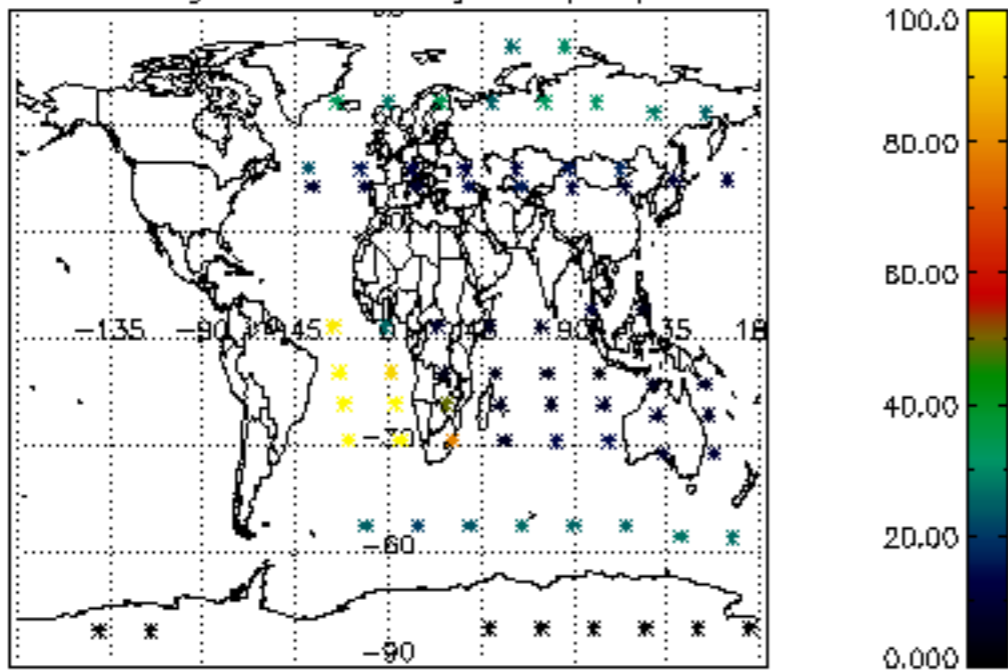
Percentage of flagged data per NO3 profile



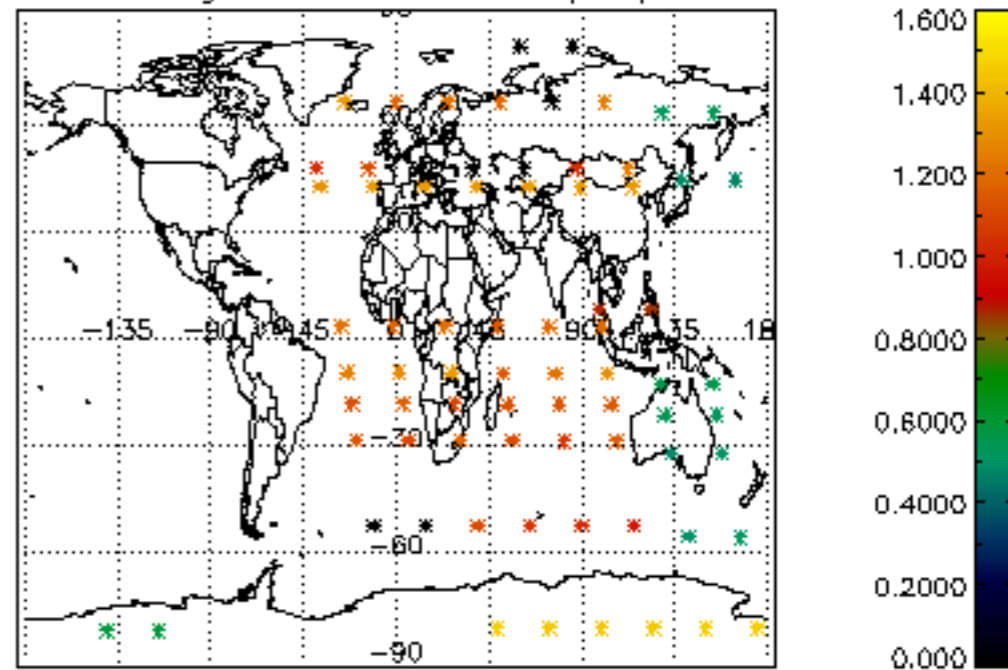




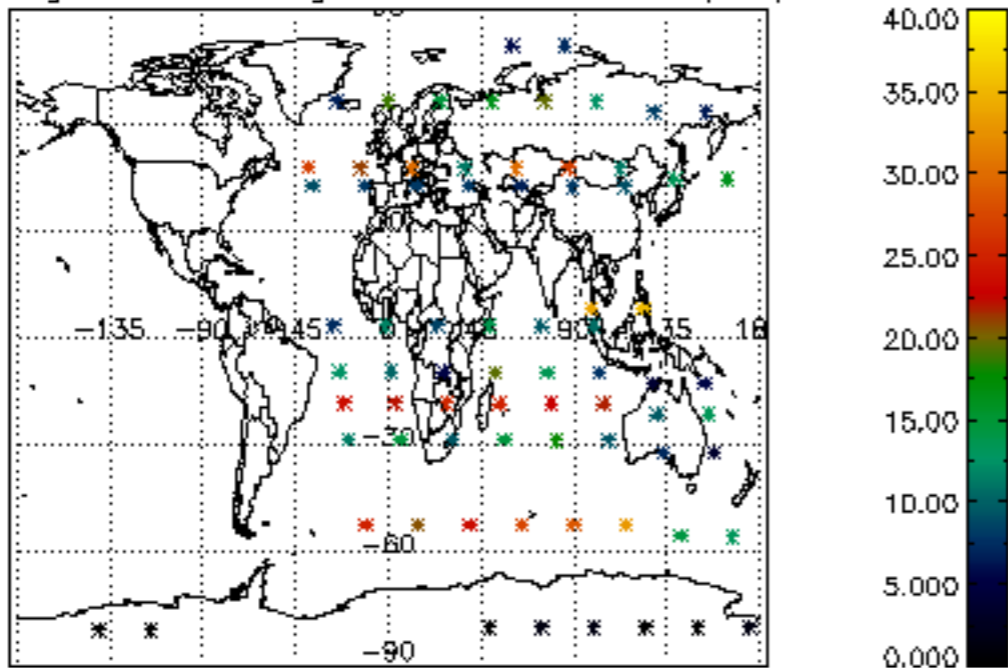
Percentage of cosmic ray hits per profile



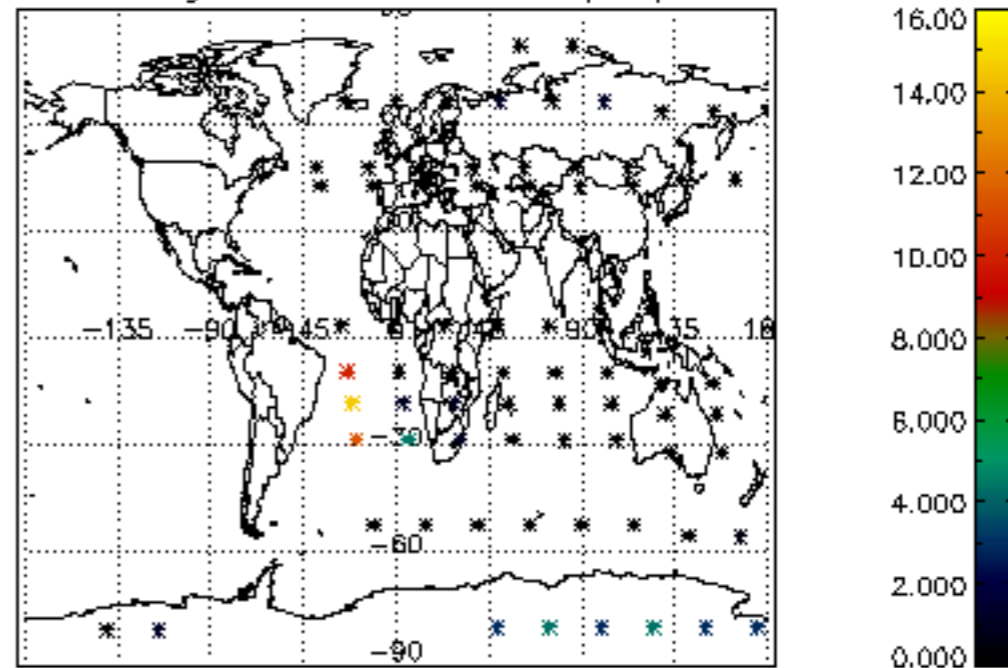
Percentage of datation errors per profile



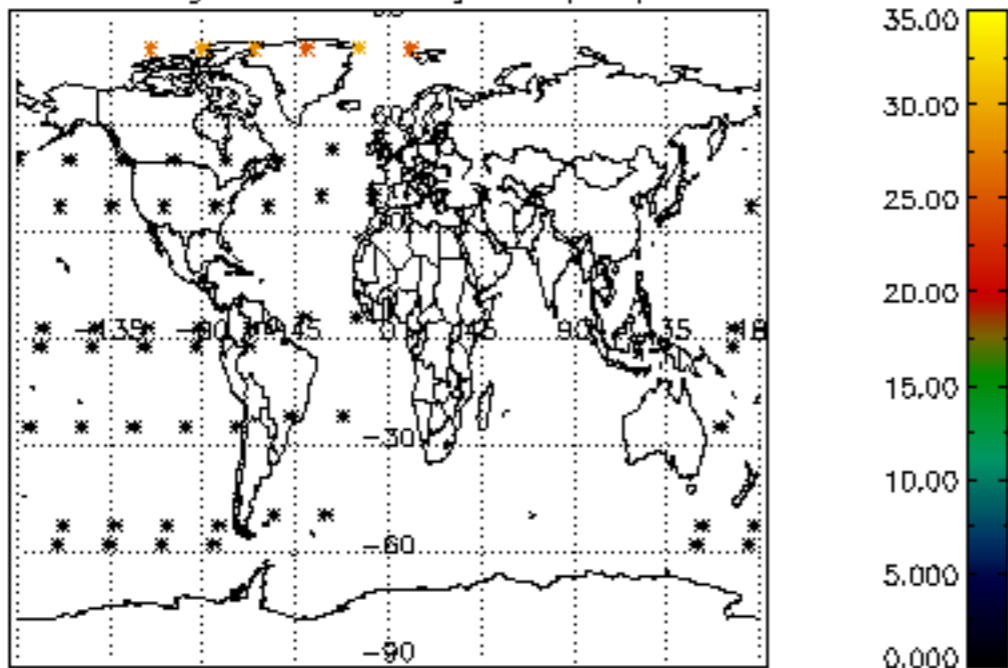
Percentage of star falling outside central band per profile



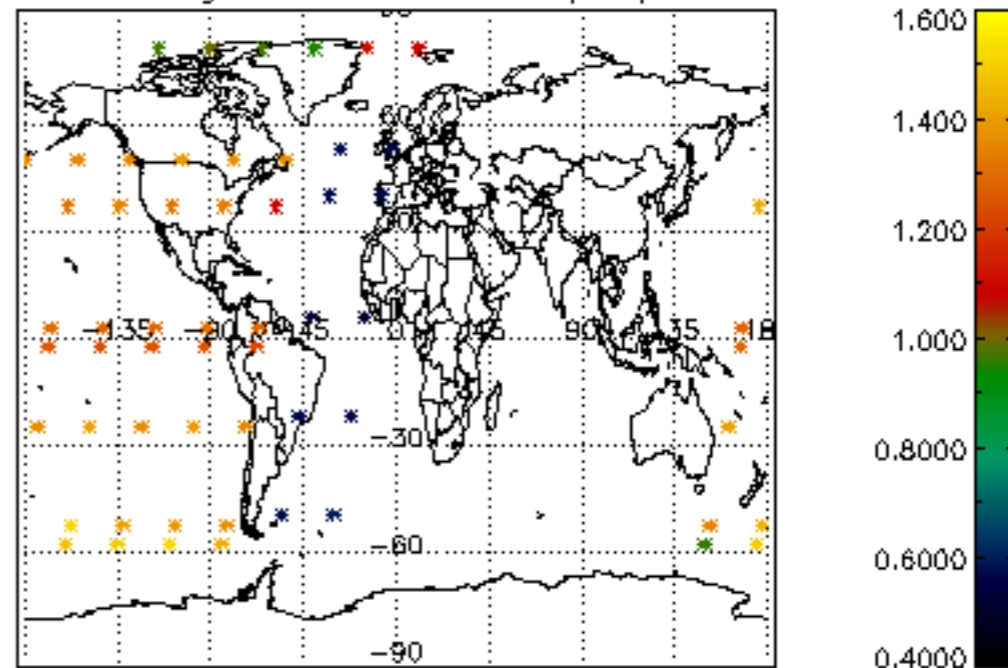
Percentage of saturation errors per profile



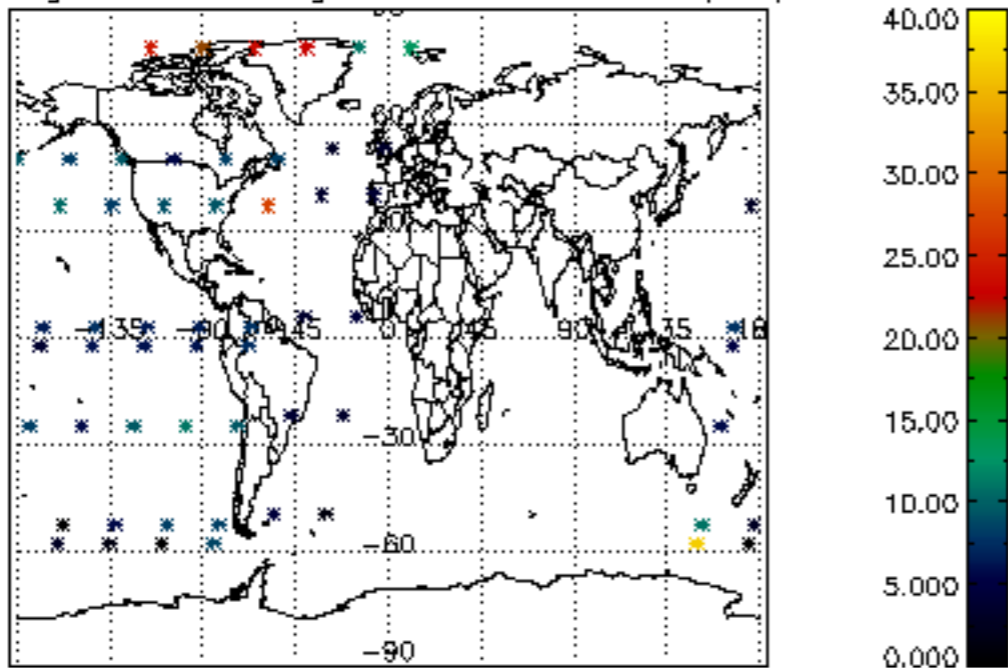
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

