

GOMOS Level 2 Daily Report

SUMMARY

[1. General Info](#)

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

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

[3.1 Plot of level 2 quality information per product \(time dependant\)](#)

[3.2 Plot of level 2 quality information per product \(world map\)](#)

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

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

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

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

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

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

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

[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.

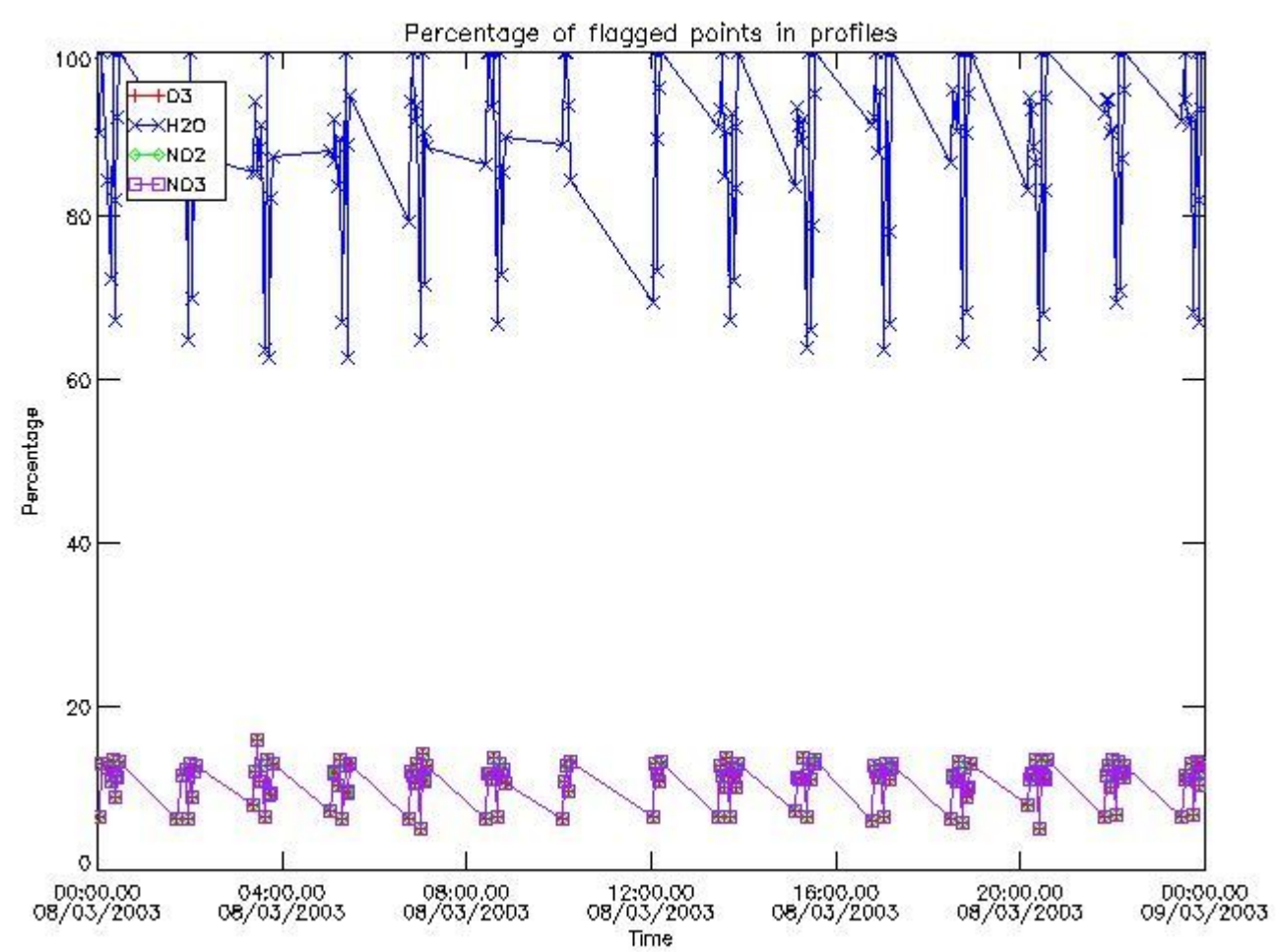
Item	Value
Time of report generation	19APR2013 11:24:00
Data source version	GOMOS/6.01
Start time of products	08-03-2003 (08MAR2003 00:00:00)
Stop time of products	09-03-2003 (09MAR2003 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	435
Nb of prods with errors	2

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__2PRFIN20030308_000136_000000772014_00259_05323_5493.N1	08-MAR-2003 00:01:36	Dark	77.000	126	60Bet Oph	2.7700	4250.0	154	5323	No
2	GOM_NL__2PRFIN20030308_000434_000000472014_00259_05323_5494.N1	08-MAR-2003 00:04:34	Dark	46.500	155	41Pi Sgr	2.9000	6600.0	93	5323	No
3	GOM_NL__2PRFIN20030308_000805_000000572014_00259_05323_5495.N1	08-MAR-2003 00:08:05	Dark	57.000	1014	Mars	0.0000	0.0000	114	5323	Yes
4	GOM_NL__2PRFIN20030308_001343_000000452014_00259_05323_5496.N1	08-MAR-2003 00:13:43	Dark	45.000	40	The Sco	1.8590	7100.0	90	5323	No
5	GOM_NL__2PRFIN20030308_001857_000000482014_00260_05324_5711.N1	08-MAR-2003 00:18:57	Dark	47.500	43	Alp TrA	1.9100	4250.0	95	5324	No
6	GOM_NL__2PRFIN20030308_002112_000000382014_00260_05324_5712.N1	08-MAR-2003 00:21:12	Dark	37.500	145	Gam TrA	2.8720	10600.	75	5324	No
7	GOM_NL__2PRFIN20030308_002245_000000572014_00260_05324_5713.N1	08-MAR-2003 00:22:45	Dark	57.000	4	Alp1Cen	-0.010000	5800.0	114	5324	No
8	GOM_NL__2PRFIN20030308_002402_000000452014_00260_05324_5714.N1	08-MAR-2003 00:24:02	Dark	44.500	10	Bet Cen	0.61000	28000.	89	5324	No
9	GOM_NL__2PRFIN20030308_002620_000000452014_00260_05324_5715.N1	08-MAR-2003 00:26:20	Dark	45.000	12	Alp1Cru	0.77500	30000.	90	5324	No
10	GOM_NL__2PRFIN20030308_002733_000000392014_00260_05324_5716.N1	08-MAR-2003 00:27:33	Dark	38.500	129	Del Cru	2.7930	26000.	77	5324	No
11	GOM_NL__2PRFIN20030308_002903_000000442014_00260_05324_5717.N1	08-MAR-2003 00:29:03	Straylight	43.500	64	Gam Cen	2.2000	10600.	87	5324	No
12	GOM_NL__2PRFIN20030308_003115_000000402014_00260_05324_5718.N1	08-MAR-2003 00:31:15	Straylight	40.000	91	Kap Vel	2.4900	26000.	80	5324	No
13	GOM_NL__2PRFIN20030308_003434_000000432014_00260_05324_5719.N1	08-MAR-2003 00:34:34	Straylight	43.000	65	Lam Vel	2.2040	4400.0	86	5324	No
14	GOM_NL__2PRFIN20030308_003726_000000632014_00260_05324_5720.N1	08-MAR-2003 00:37:26	Straylight	62.500	106	9Bet Crv	2.6480	5600.0	125	5324	No
15	GOM_NL__2PRFIN20030308_004007_000000582014_00260_05324_5721.N1	08-MAR-2003 00:40:07	Straylight	57.500	100	4Gam Crv	2.5800	13100.	115	5324	No
16	GOM_NL__2PRFIN20030308_004401_000000462014_00260_05324_5722.N1	08-MAR-2003 00:44:01	Tw_i_and_stray	46.000	48	30Alp Hya	1.9770	4100.0	92	5324	No
17	GOM_NL__2PRFIN20030308_004949_000000402014_00260_05324_5723.N1	08-MAR-2003 00:49:49	Bright	40.000	22	32Alp Leo	1.3600	15200.	80	5324	No
18	GOM_NL__2PRFIN20030308_005215_000000412014_00260_05324_5724.N1	08-MAR-2003 00:52:15	Bright	41.000	51	41Gam1Leo	2.0100	4500.0	82	5324	No
19	GOM_NL__2PRFIN20030308_010039_000000422014_00260_05324_5725.N1	08-MAR-2003 01:00:39	Bright	42.000	174	52Psi UMa	3.0040	4400.0	84	5324	No
20	GOM_NL__2PRFIN20030308_010338_000000412014_00260_05324_5726.N1	08-MAR-2003 01:03:38	Bright	40.500	82	48Bet UMa	2.3650	10600.	81	5324	No
21	GOM_NL__2PRFIN20030308_010503_000000402014_00260_05324_5727.N1	08-MAR-2003 01:05:03	Bright	40.000	36	50Alp UMa	1.8000	6300.0	80	5324	No
22	GOM_NL__2PRFIN20030308_010734_000000472014_00260_05324_5728.N1	08-MAR-2003 01:07:34	Bright	47.000	32	77Eps UMa	1.7630	11000.	94	5324	No
23	GOM_NL__2PRFIN20030308_011151_000000342014_00260_05324_5729.N1	08-MAR-2003 01:11:51	Bright	34.000	49	1Alp UMi	1.9900	6300.0	68	5324	No
24	GOM_NL__2PRFIN20030308_011644_000000482014_00260_05324_5730.N1	08-MAR-2003 01:16:44	Bright	47.500	119	14Eta Dra	2.7270	4700.0	95	5324	No
25	GOM_NL__2PRFIN20030308_011930_000000362014_00260_05324_5731.N1	08-MAR-2003 01:19:30	Bright	36.000	89	5Alp Cep	2.4510	8000.0	72	5324	No
26	GOM_NL__2PRFIN20030308_012125_000000502014_00260_05324_5732.N1	08-MAR-2003 01:21:25	Bright	49.500	130	23Bet Dra	2.7990	5800.0	99	5324	No
27	GOM_NL__2PRFIN20030308_012436_000000352014_00260_05324_5733.N1	08-MAR-2003 01:24:36	Bright	34.500	19	50Alp Cyg	1.2460	10500.	69	5324	No
28	GOM_NL__2PRFIN20030308_012610_000000382014_00260_05324_5734.N1	08-MAR-2003 01:26:10	Bright	37.500	66	37Gam Cyg	2.2080	5900.0	75	5324	No
29	GOM_NL__2PRFIN20030308_012746_000000372014_00260_05324_5735.N1	08-MAR-2003 01:27:46	Bright	37.000	92	53Eps Cyg	2.5000	4500.0	74	5324	No
30	GOM_NL__2PRFIN20030308_013057_000001132014_00260_05324_5736.N1	08-MAR-2003 01:30:57	Tw_i_and_stray	113.00	133	40Zet Her	2.8070	6000.0	226	5324	No
31	GOM_NL__2PRFIN20030308_013508_000000482014_00260_05324_5737.N1	08-MAR-2003 01:35:08	Bright	48.000	168	17Zet Aql	2.9860	11000.	96	5324	No
32	GOM_NL__2PRFIN20030308_013931_000000832014_00260_05324_5738.N1	08-MAR-2003 01:39:31	Straylight	83.000	59	55Alp Oph	2.0800	8900.0	166	5324	No
33	GOM_NL__2PRFIN20030308_014213_000000832014_00260_05324_5739.N1	08-MAR-2003 01:42:13	Dark	83.000	126	60Bet Oph	2.7700	4250.0	166	5324	No
34	GOM_NL__2PRFIN20030308_014842_000000652014_00260_05324_5740.N1	08-MAR-2003 01:48:42	Dark	65.000	1014	Mars	0.0000	0.0000	130	5324	Yes
35	GOM_NL__2PRFIN20030308_015021_000000442014_00260_05324_5741.N1	08-MAR-2003 01:50:21	Dark	44.000	38	20Eps Sgr	1.8360	11000.	88	5324	No
36	GOM_NL__2PRFIN20030308_015420_000000462014_00260_05324_5742.N1	08-MAR-2003 01:54:20	Dark	46.000	40	The Sco	1.8590	7100.0	92	5324	No
37	GOM_NL__2PRFIN20030308_015736_000000802014_00261_05325_5473.N1	08-MAR-2003 01:57:36	Dark	80.000	16	21Alp Sco	1.0200	3000.0	160	5325	No
38	GOM_NL__2PRFIN20030308_020041_000000402014_00261_05325_5474.N1	08-MAR-2003 02:00:41	Dark	39.500	134	Bet TrA	2.8100	6600.0	79	5325	No
39	GOM_NL__2PRFIN20030308_020321_000000572014_00261_05325_5475.N1	08-MAR-2003 02:03:21	Dark	57.000	4	Alp1Cen	-0.010000	5800.0	114	5325	No
40	GOM_NL__2PRFIN20030308_020438_000000422014_00261_05325_5476.N1	08-MAR-2003 02:04:38	Dark	42.000	10	Bet Cen	0.61000	28000.	84	5325	No
41	GOM_NL__2PRFIN20030308_020706_000000402014_00261_05325_5477.N1	08-MAR-2003 02:07:06	Dark	40.000	20	Bet Cru	1.2530	30000.	80	5325	No
42	GOM_NL__2PRFIN20030308_020910_000000662014_00261_05325_5478.N1	08-MAR-2003 02:09:10	Straylight	66.000	54	5The Cen	2.0550	4500.0	132	5325	No

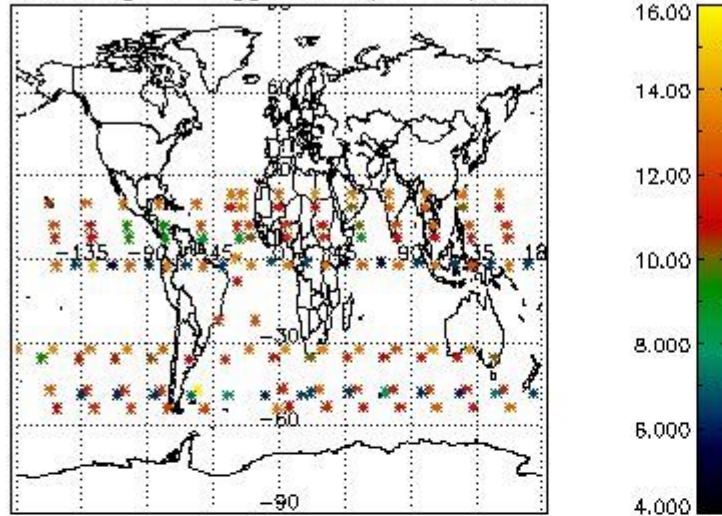
161	GOM_NL__2PRFIN20030308_082737_000000432014_00264_05328_5037.N1	08-MAR-2003 08:27:37	Dark	43.000	155	41Pi Sgr	2.9000	6600.0	86	5328	No
162	GOM_NL__2PRFIN20030308_082931_000000442014_00264_05328_5038.N1	08-MAR-2003 08:29:31	Dark	43.500	57	34Sig Sgr	2.0660	26000.	87	5328	No
163	GOM_NL__2PRFIN20030308_083248_000000462014_00264_05328_5039.N1	08-MAR-2003 08:32:48	Dark	45.500	38	20Eps Sgr	1.8360	11000.	91	5328	No
164	GOM_NL__2PRFIN20030308_083523_000000372014_00264_05328_5040.N1	08-MAR-2003 08:35:23	Dark	37.000	45	Alp Pav	1.9400	26000.	74	5328	No
165	GOM_NL__2PRFIN20030308_084006_000000792014_00265_05329_6884.N1	08-MAR-2003 08:40:06	Dark	78.500	16	21Alp Sco	1.0200	3000.0	157	5329	No
166	GOM_NL__2PRFIN20030308_084307_000000402014_00265_05329_6885.N1	08-MAR-2003 08:43:07	Dark	39.500	134	Bet TrA	2.8100	6600.0	79	5329	No
167	GOM_NL__2PRFIN20030308_084547_000000452014_00265_05329_6886.N1	08-MAR-2003 08:45:47	Dark	44.500	4	Alp1Cen	-0.010000	5800.0	89	5329	No
168	GOM_NL__2PRFIN20030308_084705_000000422014_00265_05329_6887.N1	08-MAR-2003 08:47:05	Dark	41.500	10	Bet Cen	0.61000	28000.	83	5329	No
169	GOM_NL__2PRFIN20030308_084932_000000492014_00265_05329_6888.N1	08-MAR-2003 08:49:32	Dark	48.500	20	Bet Cru	1.2530	30000.	97	5329	No
170	GOM_NL__2PRFIN20030308_085138_000000622014_00265_05329_6889.N1	08-MAR-2003 08:51:38	Straylight	62.000	54	5The Cen	2.0550	4500.0	124	5329	No
171	GOM_NL__2PRFIN20030308_085415_000000382014_00265_05329_6890.N1	08-MAR-2003 08:54:15	Straylight	38.000	91	Kap Vel	2.4900	26000.	76	5329	No
172	GOM_NL__2PRFIN20030308_085734_000000442014_00265_05329_6891.N1	08-MAR-2003 08:57:34	Straylight	43.500	65	Lam Vel	2.2040	4400.0	87	5329	No
173	GOM_NL__2PRFIN20030308_090028_000000642014_00265_05329_6892.N1	08-MAR-2003 09:00:28	Straylight	63.500	106	9Bet Crv	2.6480	5600.0	127	5329	No
174	GOM_NL__2PRFIN20030308_090307_000000592014_00265_05329_6893.N1	08-MAR-2003 09:03:07	Straylight	58.500	100	4Gam Crv	2.5800	13100.	117	5329	No
175	GOM_NL__2PRFIN20030308_090701_000000452014_00265_05329_6894.N1	08-MAR-2003 09:07:01	Tw_i_and_stray	44.500	48	30Alp Hya	1.9770	4100.0	89	5329	No
176	GOM_NL__2PRFIN20030308_091248_000000422014_00265_05329_6895.N1	08-MAR-2003 09:12:48	Bright	41.500	22	32Alp Leo	1.3600	15200.	83	5329	No
177	GOM_NL__2PRFIN20030308_091514_000000432014_00265_05329_6896.N1	08-MAR-2003 09:15:14	Bright	42.500	51	41Gam1Leo	2.0100	4500.0	85	5329	No
178	GOM_NL__2PRFIN20030308_092336_000000422014_00265_05329_6897.N1	08-MAR-2003 09:23:36	Bright	42.000	174	52Psi UMa	3.0040	4400.0	84	5329	No
179	GOM_NL__2PRFIN20030308_092636_000000422014_00265_05329_6898.N1	08-MAR-2003 09:26:36	Bright	41.500	82	48Bet UMa	2.3650	10600.	83	5329	No
180	GOM_NL__2PRFIN20030308_092801_000000392014_00265_05329_6899.N1	08-MAR-2003 09:28:01	Bright	38.500	36	50Alp UMa	1.8000	6300.0	77	5329	No
181	GOM_NL__2PRFIN20030308_093029_000000492014_00265_05329_6900.N1	08-MAR-2003 09:30:29	Bright	49.000	32	77Eps UMa	1.7630	11000.	98	5329	No
182	GOM_NL__2PRFIN20030308_093450_000000382014_00265_05329_6901.N1	08-MAR-2003 09:34:50	Bright	37.500	49	1Alp UMi	1.9900	6300.0	75	5329	No
183	GOM_NL__2PRFIN20030308_093942_000000492014_00265_05329_6902.N1	08-MAR-2003 09:39:42	Bright	49.000	119	14Eta Dra	2.7270	4700.0	98	5329	No
184	GOM_NL__2PRFIN20030308_094230_000000382014_00265_05329_6903.N1	08-MAR-2003 09:42:30	Bright	37.500	89	5Alp Cep	2.4510	8000.0	75	5329	No
185	GOM_NL__2PRFIN20030308_094422_000000502014_00265_05329_6904.N1	08-MAR-2003 09:44:22	Bright	49.500	130	23Bet Dra	2.7990	5800.0	99	5329	No
186	GOM_NL__2PRFIN20030308_094736_000000362014_00265_05329_6905.N1	08-MAR-2003 09:47:36	Bright	36.000	19	50Alp Cyg	1.2460	10500.	72	5329	No
187	GOM_NL__2PRFIN20030308_094910_000000362014_00265_05329_6906.N1	08-MAR-2003 09:49:10	Bright	35.500	66	37Gam Cyg	2.2080	5900.0	71	5329	No
188	GOM_NL__2PRFIN20030308_095046_000000362014_00265_05329_6907.N1	08-MAR-2003 09:50:46	Bright	35.500	92	53Eps Cyg	2.5000	4500.0	71	5329	No
189	GOM_NL__2PRFIN20030308_095400_000001172014_00265_05329_6908.N1	08-MAR-2003 09:54:00	Tw_i_and_stray	116.50	133	40Zet Her	2.8070	6000.0	233	5329	No
190	GOM_NL__2PRFIN20030308_095809_000000512014_00265_05329_6909.N1	08-MAR-2003 09:58:09	Bright	50.500	168	17Zet Aql	2.9860	11000.	101	5329	No
191	GOM_NL__2PRFIN20030308_100237_000000912014_00265_05329_6910.N1	08-MAR-2003 10:02:37	Straylight	90.500	59	55Alp Oph	2.0800	8900.0	181	5329	No
192	GOM_NL__2PRFIN20030308_100517_000000812014_00265_05329_6911.N1	08-MAR-2003 10:05:17	Dark	80.500	126	60Bet Oph	2.7700	4250.0	161	5329	No
193	GOM_NL__2PRFIN20030308_100813_000000472014_00265_05329_6912.N1	08-MAR-2003 10:08:13	Dark	46.500	155	41Pi Sgr	2.9000	6600.0	93	5329	No
194	GOM_NL__2PRFIN20030308_101008_000000442014_00265_05329_6913.N1	08-MAR-2003 10:10:08	Dark	44.000	57	34Sig Sgr	2.0660	26000.	88	5329	No
195	GOM_NL__2PRFIN20030308_101324_000000542014_00265_05329_6914.N1	08-MAR-2003 10:13:24	Dark	53.500	38	20Eps Sgr	1.8360	11000.	107	5329	No
196	GOM_NL__2PRFIN20030308_101558_000000392014_00265_05329_6915.N1	08-MAR-2003 10:15:58	Dark	38.500	45	Alp Pav	1.9400	26000.	77	5329	No
197	GOM_NL__2PRFIN20030308_120122_000000782014_00267_05331_5012.N1	08-MAR-2003 12:01:22	Dark	77.500	16	21Alp Sco	1.0200	3000.0	155	5331	No
198	GOM_NL__2PRFIN20030308_120419_000000402014_00267_05331_5013.N1	08-MAR-2003 12:04:19	Dark	39.500	134	Bet TrA	2.8100	6600.0	79	5331	No
199	GOM_NL__2PRFIN20030308_120700_000000442014_00267_05331_5014.N1	08-MAR-2003 12:07:00	Dark	43.500	4	Alp1Cen	-0.010000	5800.0	87	5331	No
200	GOM_NL__2PRFIN20030308_120817_000000432014_00267_05331_5015.N1	08-MAR-2003 12:08:17	Dark	43.000	10	Bet Cen	0.61000	28000.	86	5331	No
201	GOM_NL__2PRFIN20030308_121034_000000472014_00267_05331_5016.N1	08-MAR-2003 12:10:34	Dark	47.000	12	Alp1Cru	0.77500	30000.	94	5331	No
202	GOM_NL__2PRFIN20030308_121147_000000392014_00267_05331_5017.N1	08-MAR-2003 12:11:47	Dark	38.500	129	Del Cru	2.7930	26000.	77	5331	No
203	GOM_NL__2PRFIN20030308_121319_000000422014_00267_05331_5018.N1	08-MAR-2003 12:13:19	Straylight	42.000	64	Gam Cen	2.2000	10600.	84	5331	No
204	GOM_NL__2PRFIN20030308_121527_000000382014_00267_05331_5019.N1	08-MAR-2003 12:15:27	Straylight	37.500	91	Kap Vel	2.4900	26000.	75	5331	No
205	GOM_NL__2PRFIN20030308_121846_000000462014_00267_05331_5020.N1	08-MAR-2003 12:18:46	Straylight	45.500	65	Lam Vel	2.2040	4400.0	91	5331	No
206	GOM_NL__2PRFIN20030308_122141_000000642014_00267_05331_5021.N1	08-MAR-2003 12:21:41	Straylight	64.000	106	9Bet Crv	2.6480	5600.0	128	5331	No
207	GOM_NL__2PRFIN20030308_122419_000000572014_00267_05331_5022.N1	08-MAR-2003 12:24:19	Straylight	56.500	100	4Gam Crv	2.5800	13100.	113	5331	No
208	GOM_NL__2PRFIN20030308_122813_000000482014_00267_05331_5023.N1	08-MAR-2003 12:28:13	Tw_i_and_stray	48.000	48	30Alp Hya	1.9770	4100.0	96	5331	No
209	GOM_NL__2PRFIN20030308_123400_000000422014_00267_05331_5024.N1	08-MAR-2003 12:34:00	Bright	41.500	22	32Alp Leo	1.3600	15200.	83	5331	No
210	GOM_NL__2PRFIN20030308_123625_000000412014_00267_05331_5025.N1	08-MAR-2003 12:36:25	Bright	40.500	51	41Gam1Leo	2.0100	4500.0	81	5331	No
211	GOM_NL__2PRFIN20030308_124447_000000412014_00267_05331_5026.N1	08-MAR-2003 12:44:47	Bright	41.000	174	52Psi UMa	3.0040	4400.0	82	5331	No
212	GOM_NL__2PRFIN20030308_124747_000000412014_00267_05331_5027.N1	08-MAR-2003 12:47:47	Bright	40.500	82	48Bet UMa	2.3650	10600.	81	5331	No
213	GOM_NL__2PRFIN20030308_124912_000000422014_00267_05331_5028.N1	08-MAR-2003 12:49:12	Bright	41.500	36	50Alp UMa	1.8000	6300.0	83	5331	No
214	GOM_NL__2PRFIN20030308_125140_000000492014_00267_05331_5029.N1	08-MAR-2003 12:51:40	Bright	49.000	32	77Eps UMa	1.7630	11000.	98	5331	No
215	GOM_NL__2PRFIN20030308_125602_000000362014_00267_05331_5030.N1	08-MAR-2003 12:56:02	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	5331	No
216	GOM_NL__2PRFIN20030308_130052_000000482014_00267_05331_5031.N1	08-MAR-2003 13:00:52	Bright	48.000	119	14Eta Dra	2.7270	4700.0	96	5331	No
217	GOM_NL__2PRFIN20030308_130342_000000342014_00267_05331_5032.N1	08-MAR-2003 13:03:42	Bright	33.500	89	5Alp Cep	2.4510	8000.0	67	5331	No
218	GOM_NL__2PRFIN20030308_130533_000000492014_00267_05331_5033.N1	08-MAR-2003 13:05:33	Bright	48.500	130	23Bet Dra	2.7990	5800.0	97	5331	No
219	GOM_NL__2PRFIN20030308_130848_000000382014_00267_05331_5034.N1	08-MAR-2003 13:08:48	Bright	37.500	19	50Alp Cyg	1.2460	10500.	75	5331	No

279	GOM_NL__2PRFIN20030308_161024_000000402014_00269_05333_5030.N1	08-MAR-2003 16:10:24	Bright	40.000	36	50Alp UMa	1.8000	6300.0	80	5333	No
280	GOM_NL__2PRFIN20030308_161250_000000472014_00269_05333_5031.N1	08-MAR-2003 16:12:50	Bright	47.000	32	77Eps UMa	1.7630	11000.	94	5333	No
281	GOM_NL__2PRFIN20030308_161715_000000372014_00269_05333_5032.N1	08-MAR-2003 16:17:15	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	5333	No
282	GOM_NL__2PRFIN20030308_162204_000000462014_00269_05333_5033.N1	08-MAR-2003 16:22:04	Bright	45.500	119	14Eta Dra	2.7270	4700.0	91	5333	No
283	GOM_NL__2PRFIN20030308_162455_000000372014_00269_05333_5034.N1	08-MAR-2003 16:24:55	Bright	36.500	89	5Alp Cep	2.4510	8000.0	73	5333	No
284	GOM_NL__2PRFIN20030308_162645_000000502014_00269_05333_5035.N1	08-MAR-2003 16:26:45	Bright	49.500	130	23Bet Dra	2.7990	5800.0	99	5333	No
285	GOM_NL__2PRFIN20030308_163001_000000372014_00269_05333_5036.N1	08-MAR-2003 16:30:01	Bright	37.000	19	50Alp Cyg	1.2460	10500.	74	5333	No
286	GOM_NL__2PRFIN20030308_163135_000000382014_00269_05333_5037.N1	08-MAR-2003 16:31:35	Bright	37.500	66	37Gam Cyg	2.2080	5900.0	75	5333	No
287	GOM_NL__2PRFIN20030308_163311_000000362014_00269_05333_5038.N1	08-MAR-2003 16:33:11	Bright	35.500	92	53Eps Cyg	2.5000	4500.0	71	5333	No
288	GOM_NL__2PRFIN20030308_163622_000001202014_00269_05333_5039.N1	08-MAR-2003 16:36:22	Twi_and_stray	119.50	133	40Zet Her	2.8070	6000.0	239	5333	No
289	GOM_NL__2PRFIN20030308_164035_000000482014_00269_05333_5040.N1	08-MAR-2003 16:40:35	Bright	47.500	168	17Zet Aql	2.9860	11000.	95	5333	No
290	GOM_NL__2PRFIN20030308_164507_000000912014_00269_05333_5041.N1	08-MAR-2003 16:45:07	Straylight	91.000	59	55Alp Oph	2.0800	8900.0	182	5333	No
291	GOM_NL__2PRFIN20030308_164749_000000842014_00269_05333_5042.N1	08-MAR-2003 16:47:49	Dark	84.000	126	60Bet Oph	2.7700	4250.0	168	5333	No
292	GOM_NL__2PRFIN20030308_165040_000000442014_00269_05333_5043.N1	08-MAR-2003 16:50:40	Dark	44.000	155	41Pi Sgr	2.9000	6600.0	88	5333	No
293	GOM_NL__2PRFIN20030308_165235_000000472014_00269_05333_5044.N1	08-MAR-2003 16:52:35	Dark	46.500	57	34Sig Sgr	2.0660	26000.	93	5333	No
294	GOM_NL__2PRFIN20030308_165552_000000452014_00269_05333_5045.N1	08-MAR-2003 16:55:52	Dark	45.000	38	20Eps Sgr	1.8360	11000.	90	5333	No
295	GOM_NL__2PRFIN20030308_165823_000000422014_00269_05333_5046.N1	08-MAR-2003 16:58:23	Dark	41.500	45	Alp Pav	1.9400	26000.	83	5333	No
296	GOM_NL__2PRFIN20030308_170317_000000792014_00270_05334_6791.N1	08-MAR-2003 17:03:17	Dark	79.000	16	21Alp Sco	1.0200	3000.0	158	5334	No
297	GOM_NL__2PRFIN20030308_170610_000000392014_00270_05334_6792.N1	08-MAR-2003 17:06:10	Dark	39.000	134	Bet TrA	2.8100	6600.0	78	5334	No
298	GOM_NL__2PRFIN20030308_170850_000000462014_00270_05334_6793.N1	08-MAR-2003 17:08:50	Dark	45.500	4	Alp1Cen	-0.010000	5800.0	91	5334	No
299	GOM_NL__2PRFIN20030308_171008_000000422014_00270_05334_6794.N1	08-MAR-2003 17:10:08	Dark	41.500	10	Bet Cen	0.61000	28000.	83	5334	No
300	GOM_NL__2PRFIN20030308_171224_000000412014_00270_05334_6795.N1	08-MAR-2003 17:12:24	Dark	40.500	12	Alp1Cru	0.77500	30000.	81	5334	No
301	GOM_NL__2PRFIN20030308_171337_000000392014_00270_05334_6796.N1	08-MAR-2003 17:13:37	Dark	39.000	129	Del Cru	2.7930	26000.	78	5334	No
302	GOM_NL__2PRFIN20030308_171509_000000452014_00270_05334_6797.N1	08-MAR-2003 17:15:09	Straylight	45.000	64	Gam Cen	2.2000	10600.	90	5334	No
303	GOM_NL__2PRFIN20030308_171716_000000382014_00270_05334_6798.N1	08-MAR-2003 17:17:16	Straylight	37.500	91	Kap Vel	2.4900	26000.	75	5334	No
304	GOM_NL__2PRFIN20030308_172035_000000462014_00270_05334_6799.N1	08-MAR-2003 17:20:35	Straylight	46.000	65	Lam Vel	2.2040	4400.0	92	5334	No
305	GOM_NL__2PRFIN20030308_172330_000000662014_00270_05334_6800.N1	08-MAR-2003 17:23:30	Straylight	66.000	106	9Bet Crv	2.6480	5600.0	132	5334	No
306	GOM_NL__2PRFIN20030308_172608_000000572014_00270_05334_6801.N1	08-MAR-2003 17:26:08	Straylight	57.000	100	4Gam Crv	2.5800	13100.	114	5334	No
307	GOM_NL__2PRFIN20030308_173002_000000442014_00270_05334_6802.N1	08-MAR-2003 17:30:02	Twi_and_stray	44.000	48	30Alp Hya	1.9770	4100.0	88	5334	No
308	GOM_NL__2PRFIN20030308_173548_000000392014_00270_05334_6803.N1	08-MAR-2003 17:35:48	Bright	38.500	22	32Alp Leo	1.3600	15200.	77	5334	No
309	GOM_NL__2PRFIN20030308_173813_000000412014_00270_05334_6804.N1	08-MAR-2003 17:38:13	Bright	41.000	51	41Gam1Leo	2.0100	4500.0	82	5334	No
310	GOM_NL__2PRFIN20030308_174633_000000422014_00270_05334_6805.N1	08-MAR-2003 17:46:33	Bright	42.000	174	52Psi UMa	3.0040	4400.0	84	5334	No
311	GOM_NL__2PRFIN20030308_174934_000000412014_00270_05334_6806.N1	08-MAR-2003 17:49:34	Bright	40.500	82	48Bet UMa	2.3650	10600.	81	5334	No
312	GOM_NL__2PRFIN20030308_175059_000000402014_00270_05334_6807.N1	08-MAR-2003 17:50:59	Bright	39.500	36	50Alp UMa	1.8000	6300.0	79	5334	No
313	GOM_NL__2PRFIN20030308_175325_000000482014_00270_05334_6808.N1	08-MAR-2003 17:53:25	Bright	48.000	32	77Eps UMa	1.7630	11000.	96	5334	No
314	GOM_NL__2PRFIN20030308_175750_000000352014_00270_05334_6809.N1	08-MAR-2003 17:57:50	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	5334	No
315	GOM_NL__2PRFIN20030308_180239_000000492014_00270_05334_6810.N1	08-MAR-2003 18:02:39	Bright	48.500	119	14Eta Dra	2.7270	4700.0	97	5334	No
316	GOM_NL__2PRFIN20030308_180531_000000342014_00270_05334_6811.N1	08-MAR-2003 18:05:31	Bright	34.000	89	5Alp Cep	2.4510	8000.0	68	5334	No
317	GOM_NL__2PRFIN20030308_180721_000000502014_00270_05334_6812.N1	08-MAR-2003 18:07:21	Bright	49.500	130	23Bet Dra	2.7990	5800.0	99	5334	No
318	GOM_NL__2PRFIN20030308_181037_000000352014_00270_05334_6813.N1	08-MAR-2003 18:10:37	Bright	34.500	19	50Alp Cyg	1.2460	10500.	69	5334	No
319	GOM_NL__2PRFIN20030308_181210_000000382014_00270_05334_6814.N1	08-MAR-2003 18:12:10	Bright	38.000	66	37Gam Cyg	2.2080	5900.0	76	5334	No
320	GOM_NL__2PRFIN20030308_181347_000000362014_00270_05334_6815.N1	08-MAR-2003 18:13:47	Bright	35.500	92	53Eps Cyg	2.5000	4500.0	71	5334	No
321	GOM_NL__2PRFIN20030308_181700_000001202014_00270_05334_6816.N1	08-MAR-2003 18:17:00	Twi_and_stray	120.00	133	40Zet Her	2.8070	6000.0	240	5334	No
322	GOM_NL__2PRFIN20030308_182112_000000502014_00270_05334_6817.N1	08-MAR-2003 18:21:12	Bright	49.500	168	17Zet Aql	2.9860	11000.	99	5334	No
323	GOM_NL__2PRFIN20030308_182544_000000862014_00270_05334_6818.N1	08-MAR-2003 18:25:44	Straylight	86.000	59	55Alp Oph	2.0800	8900.0	172	5334	No
324	GOM_NL__2PRFIN20030308_182826_000000822014_00270_05334_6819.N1	08-MAR-2003 18:28:26	Dark	81.500	126	60Bet Oph	2.7700	4250.0	163	5334	No
325	GOM_NL__2PRFIN20030308_183116_000000452014_00270_05334_6820.N1	08-MAR-2003 18:31:16	Dark	45.000	155	41Pi Sgr	2.9000	6600.0	90	5334	No
326	GOM_NL__2PRFIN20030308_183311_000000452014_00270_05334_6821.N1	08-MAR-2003 18:33:11	Dark	44.500	57	34Sig Sgr	2.0660	26000.	89	5334	No
327	GOM_NL__2PRFIN20030308_183629_000000472014_00270_05334_6822.N1	08-MAR-2003 18:36:29	Dark	47.000	38	20Eps Sgr	1.8360	11000.	94	5334	No
328	GOM_NL__2PRFIN20030308_183859_000000392014_00270_05334_6823.N1	08-MAR-2003 18:38:59	Dark	38.500	45	Alp Pav	1.9400	26000.	77	5334	No
329	GOM_NL__2PRFIN20030308_184354_000000992014_00271_05335_6791.N1	08-MAR-2003 18:43:54	Dark	99.000	16	21Alp Sco	1.0200	3000.0	198	5335	No
330	GOM_NL__2PRFIN20030308_184646_000000412014_00271_05335_6792.N1	08-MAR-2003 18:46:46	Dark	40.500	134	Bet TrA	2.8100	6600.0	81	5335	No
331	GOM_NL__2PRFIN20030308_184927_000000572014_00271_05335_6793.N1	08-MAR-2003 18:49:27	Dark	57.000	4	Alp1Cen	-0.010000	5800.0	114	5335	No
332	GOM_NL__2PRFIN20030308_185044_000000512014_00271_05335_6794.N1	08-MAR-2003 18:50:44	Dark	51.000	10	Bet Cen	0.61000	28000.	102	5335	No
333	GOM_NL__2PRFIN20030308_185300_000000502014_00271_05335_6795.N1	08-MAR-2003 18:53:00	Dark	50.000	12	Alp1Cru	0.77500	30000.	100	5335	No
334	GOM_NL__2PRFIN20030308_185413_000000392014_00271_05335_6796.N1	08-MAR-2003 18:54:13	Dark	39.000	129	Del Cru	2.7930	26000.	78	5335	No
335	GOM_NL__2PRFIN20030308_185545_000000432014_00271_05335_6797.N1	08-MAR-2003 18:55:45	Straylight	43.000	64	Gam Cen	2.2000	10600.	86	5335	No
336	GOM_NL__2PRFIN20030308_185752_000000402014_00271_05335_6798.N1	08-MAR-2003 18:57:52	Straylight	39.500	91	Kap Vel	2.4900	26000.	79	5335	No
337	GOM_NL__2PRFIN20030308_190111_000000472014_00271_05335_6799.N1	08-MAR-2003 19:01:11	Straylight	47.000	65	Lam Vel	2.2040	4400.0	94	5335	No

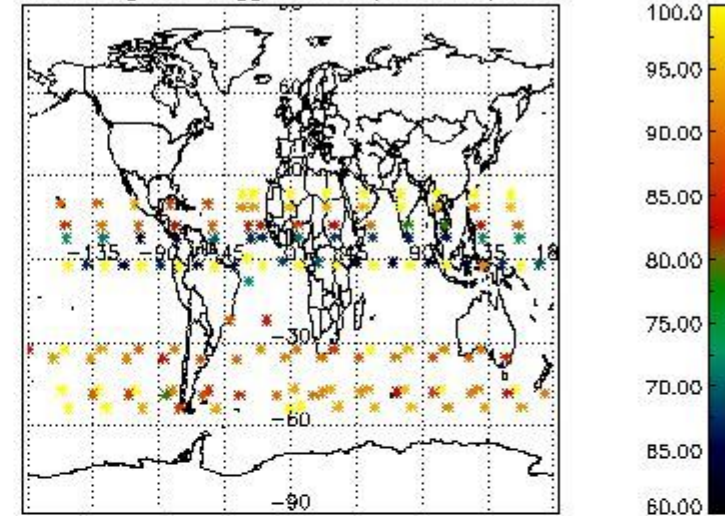


3.2 Plot quality information per product (world map)

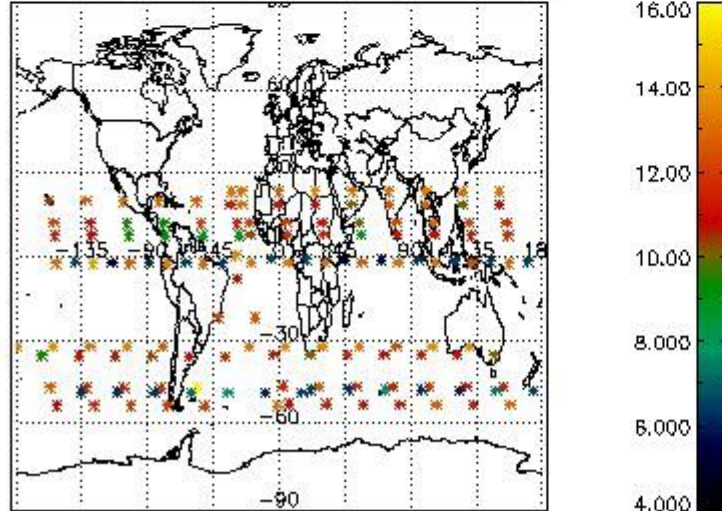
Percentage of flagged data per O3 profile



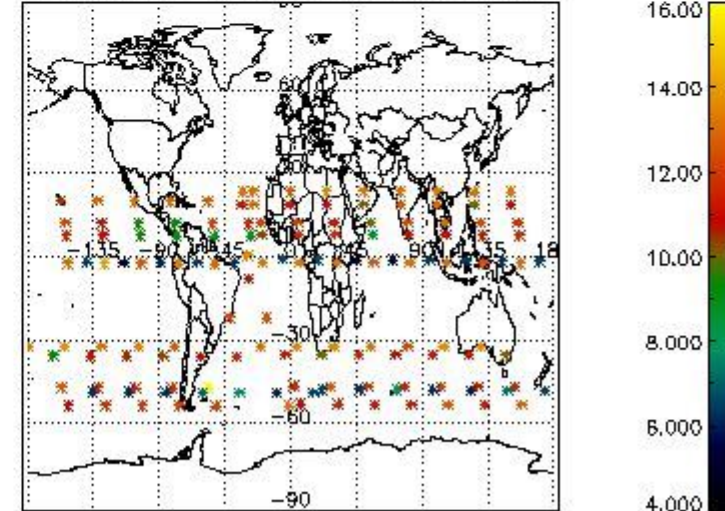
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

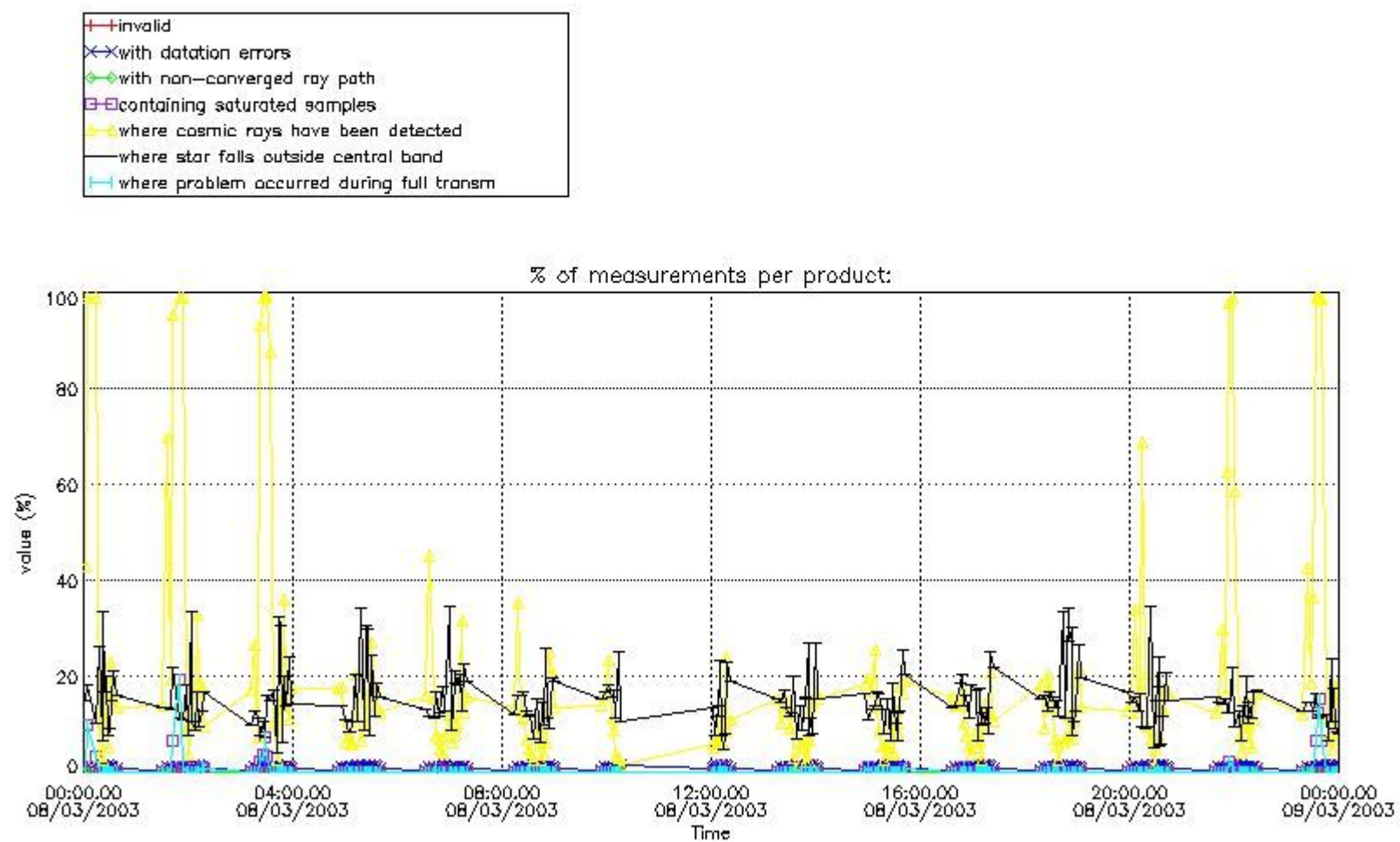


4. Level 1 quality information per product

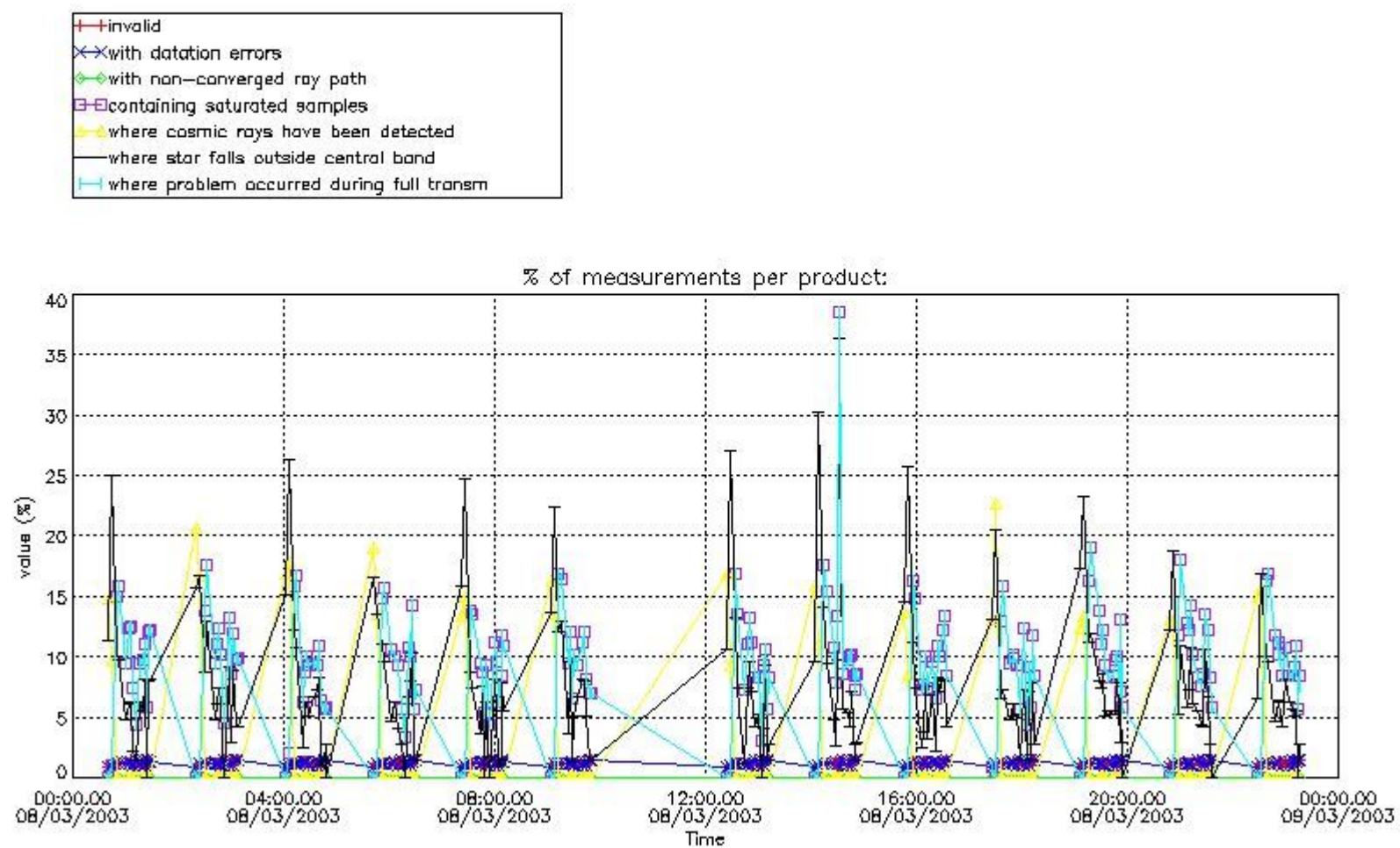
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

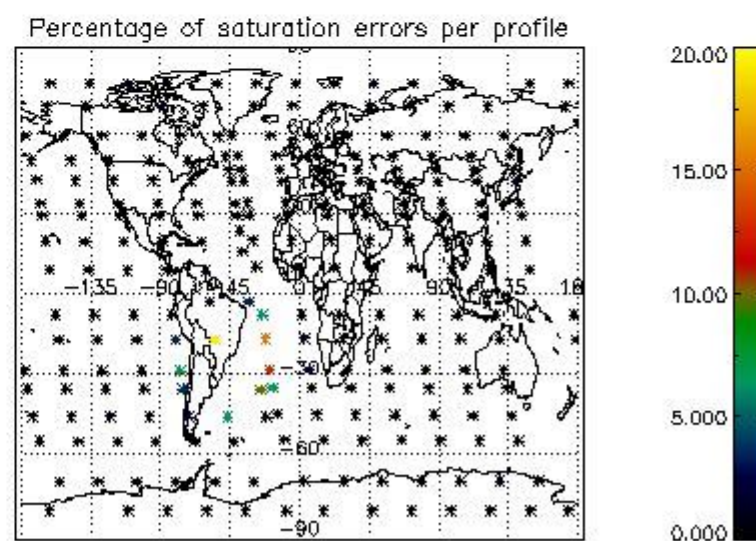
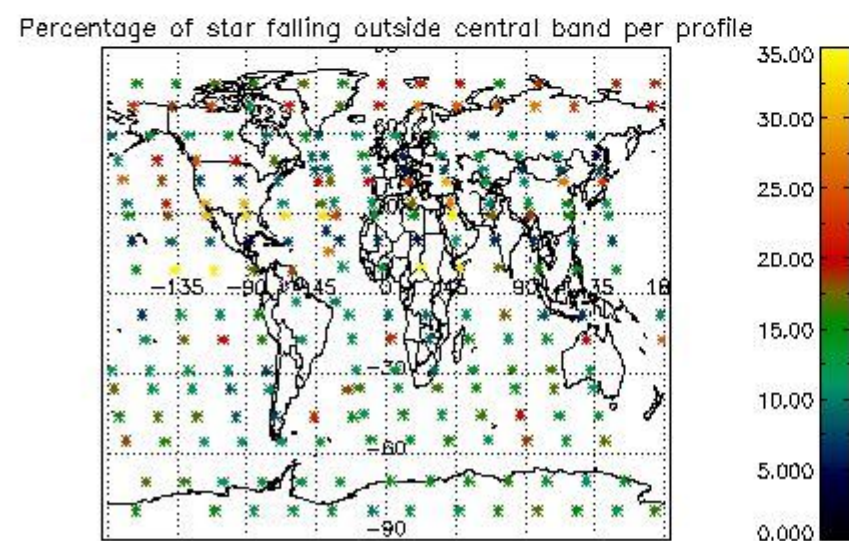
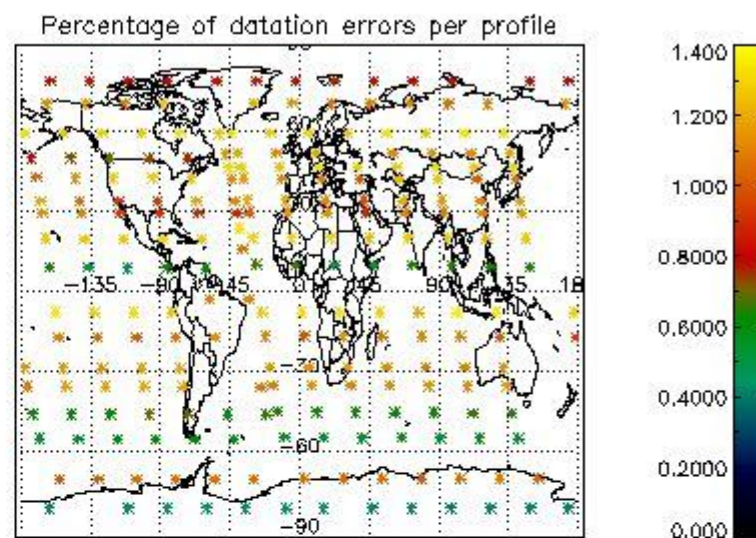
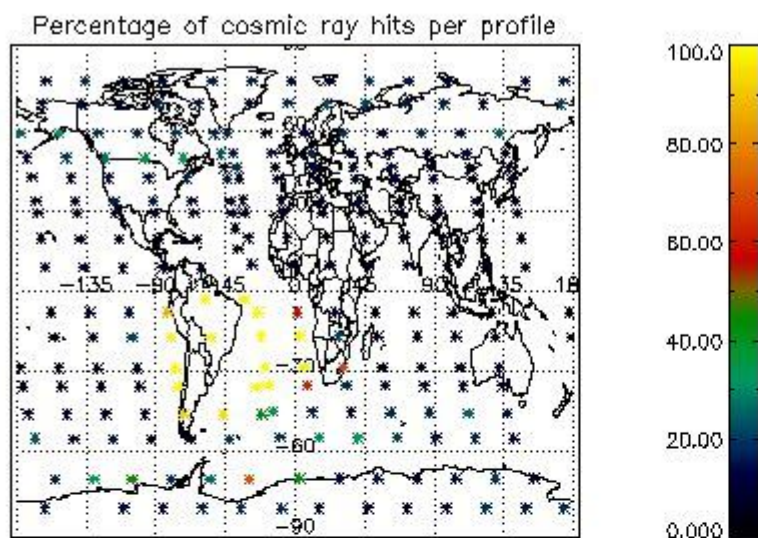


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

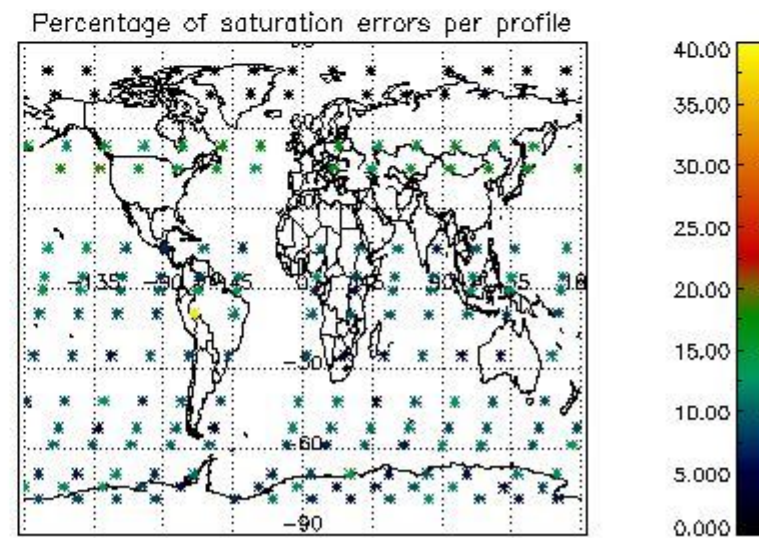
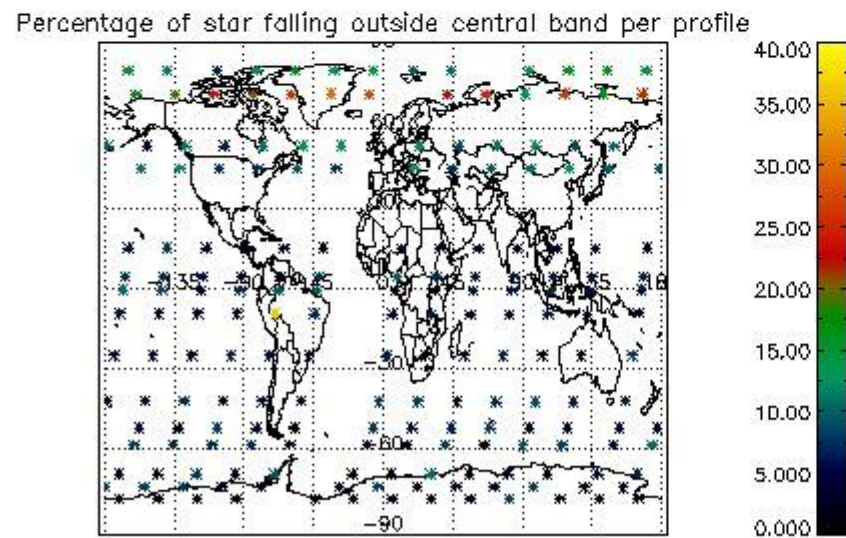
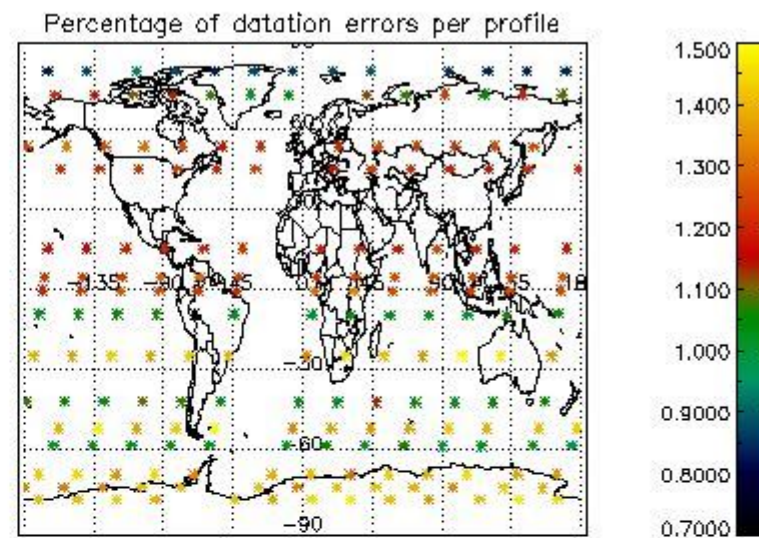
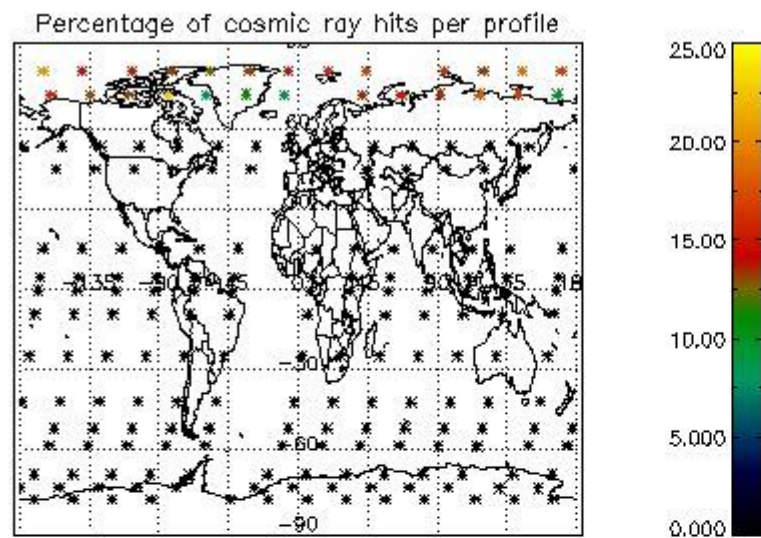


4.2 Plot quality information per product coming from level 1b processing (world map)

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



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

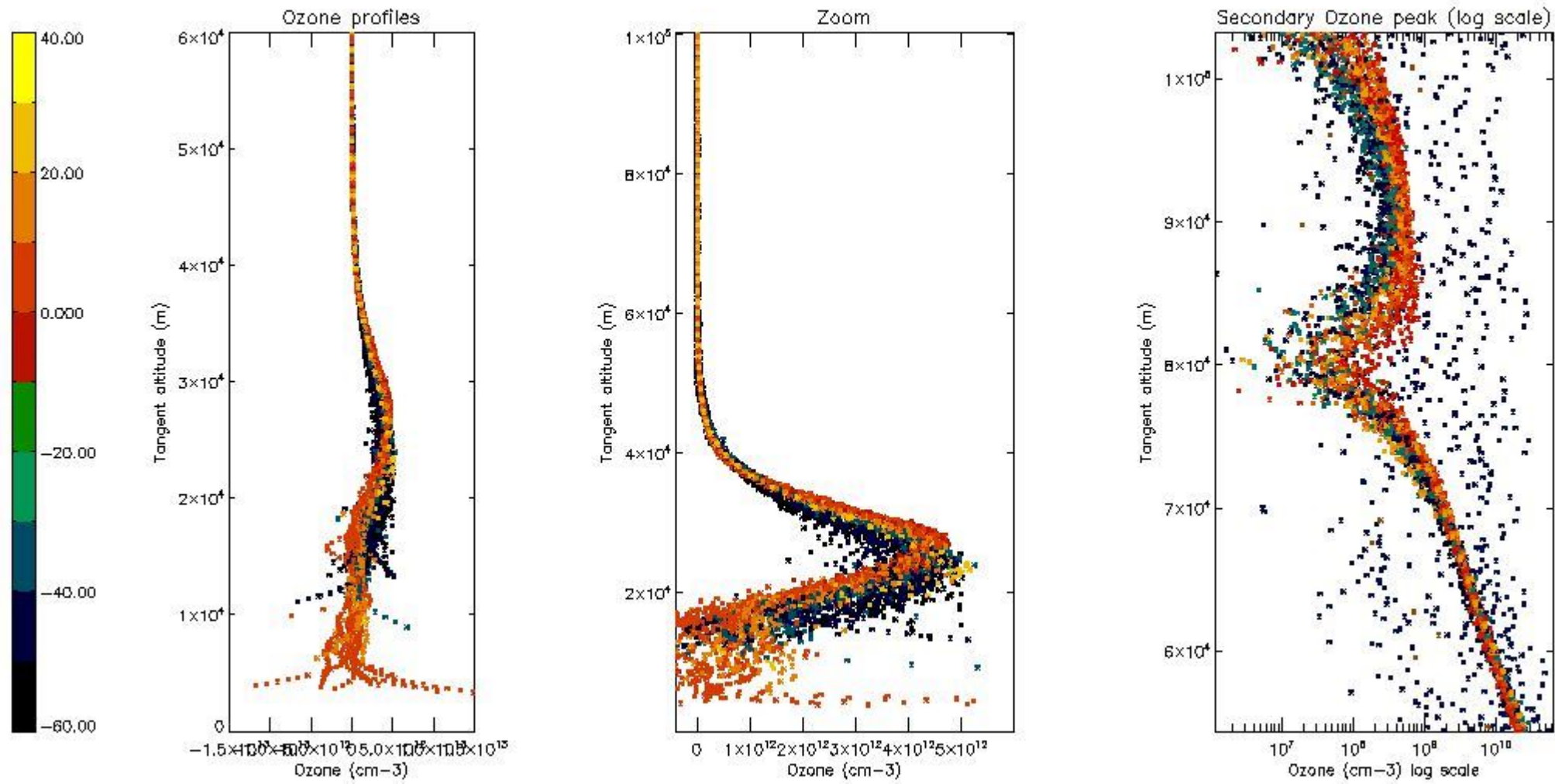
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	35
STD < 20	21

STD < 10	18
STD < 5	12

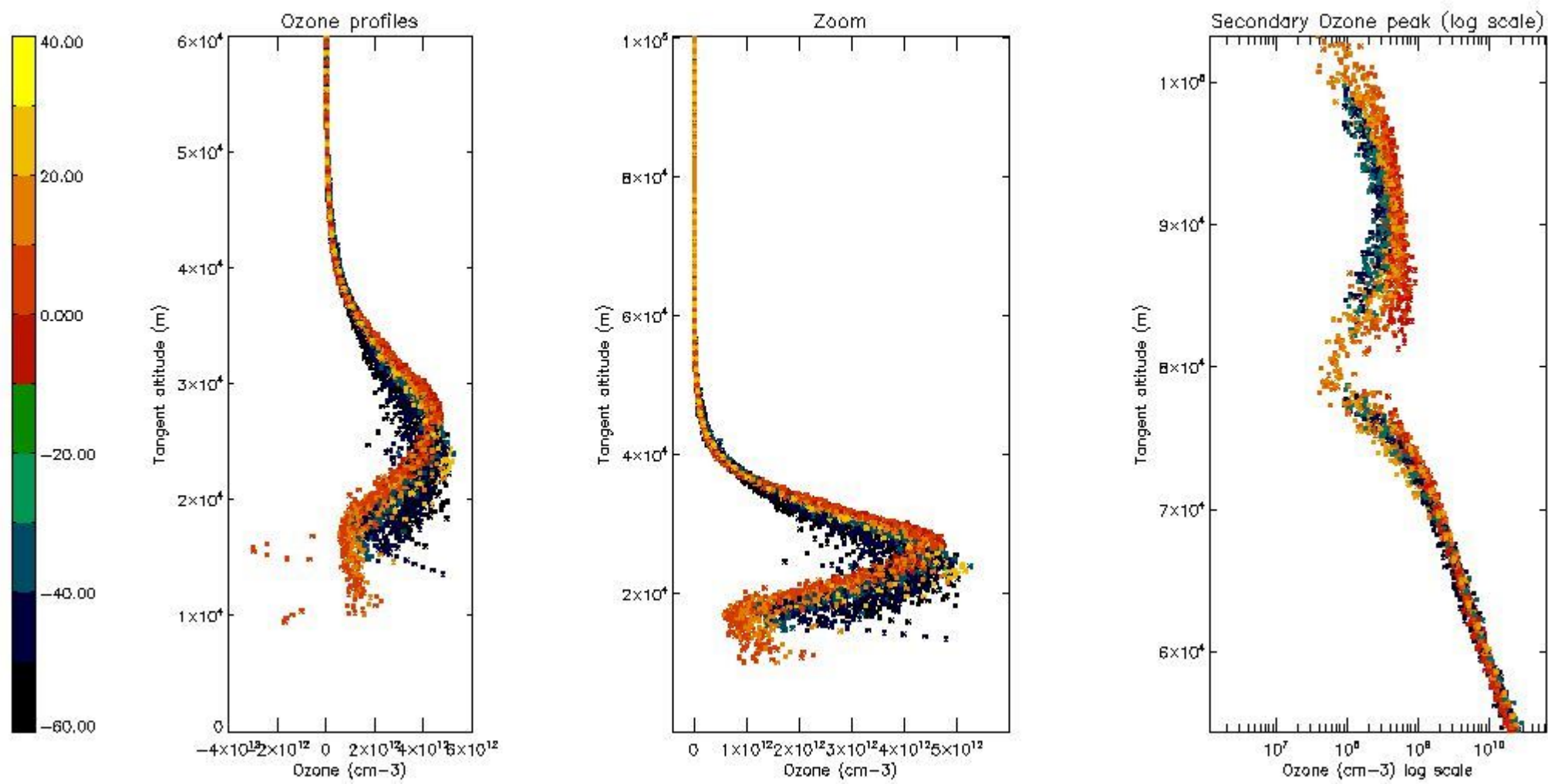
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



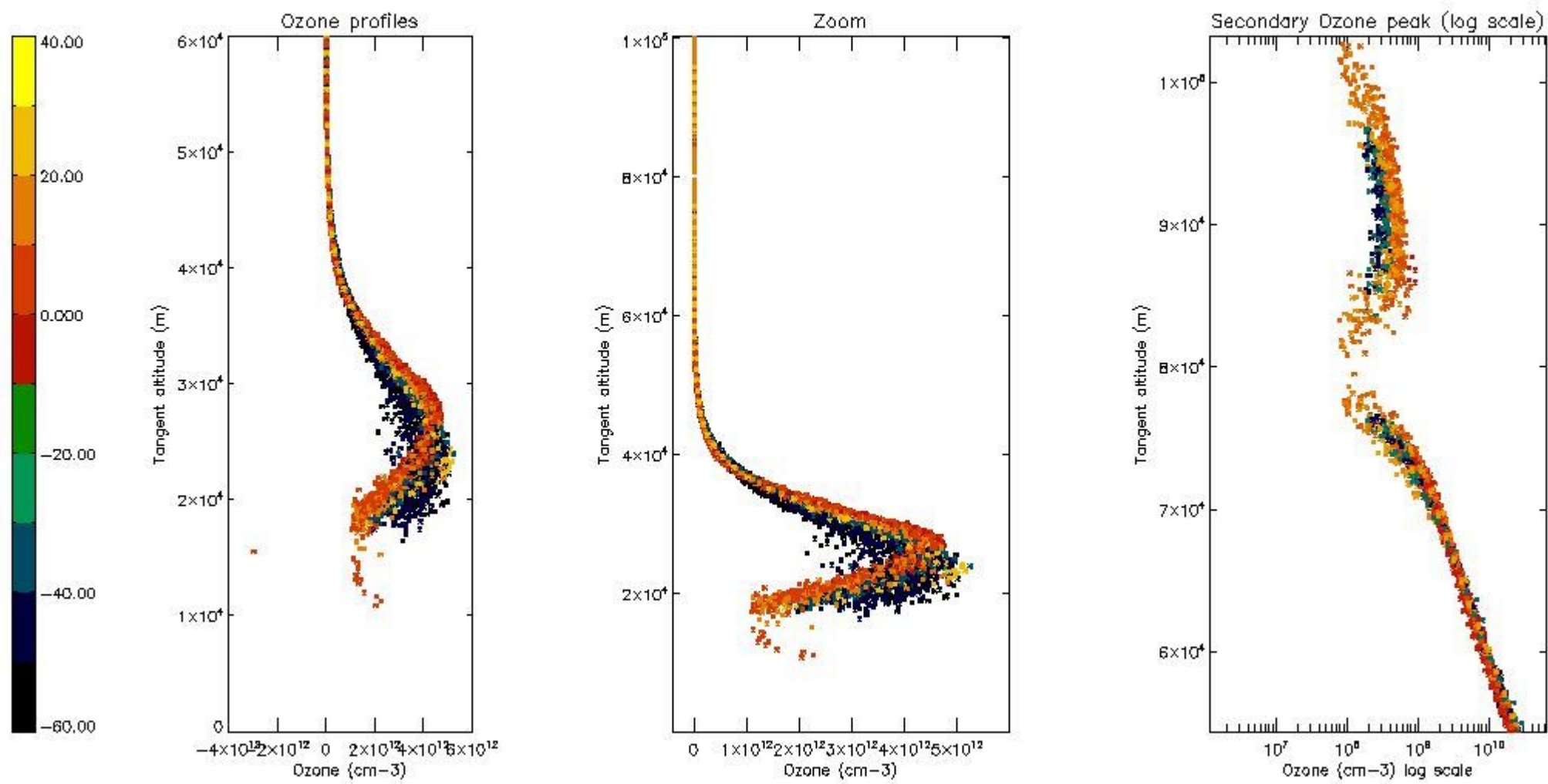
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



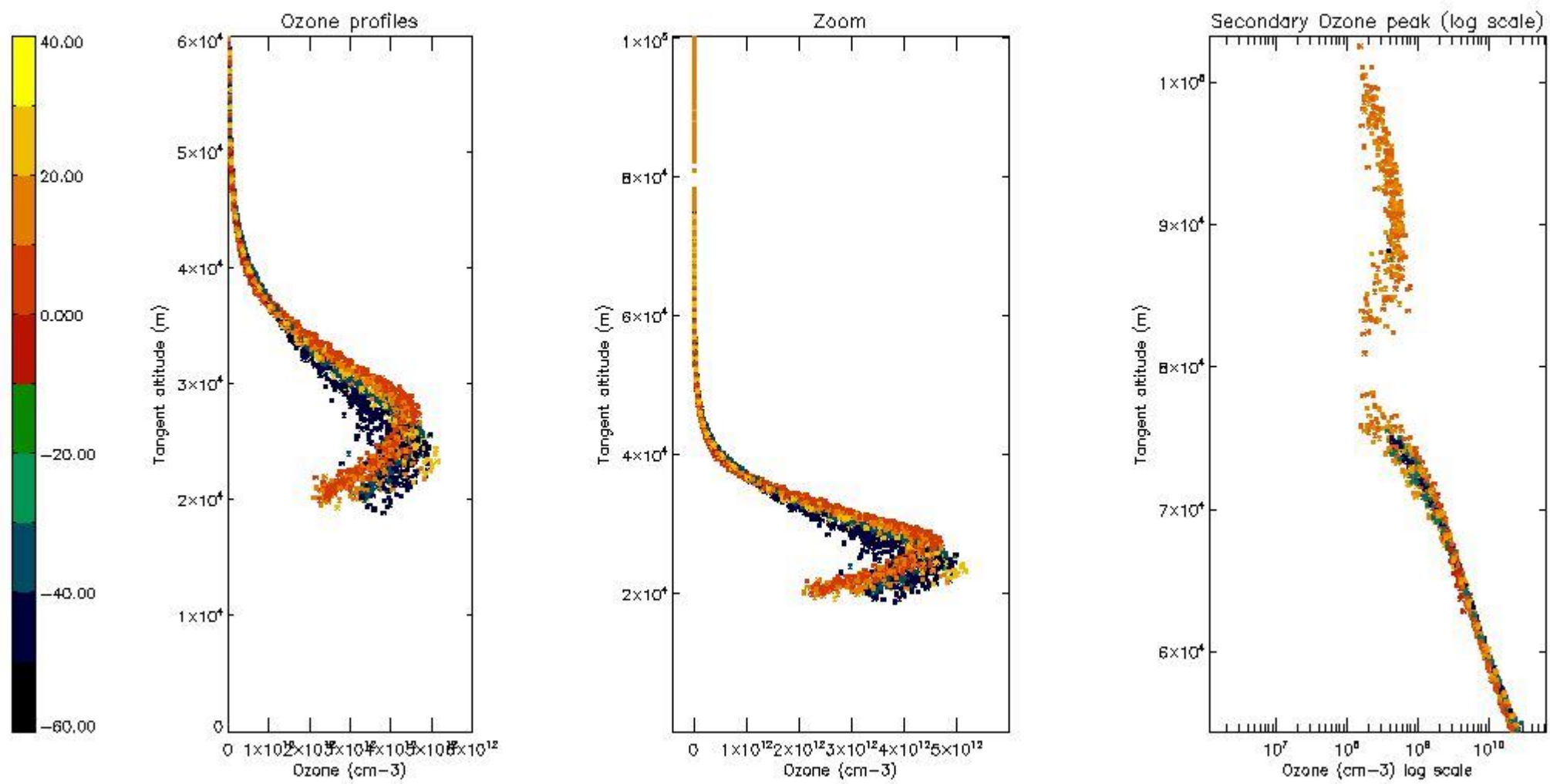
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



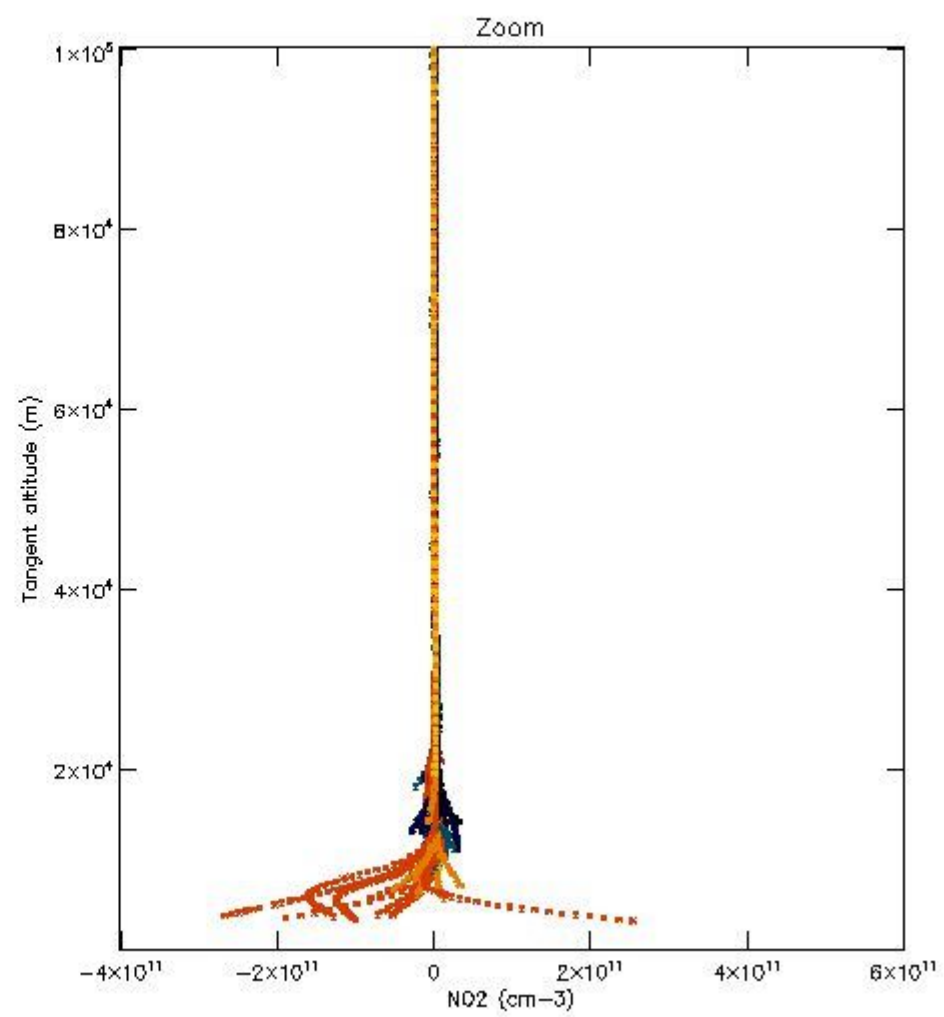
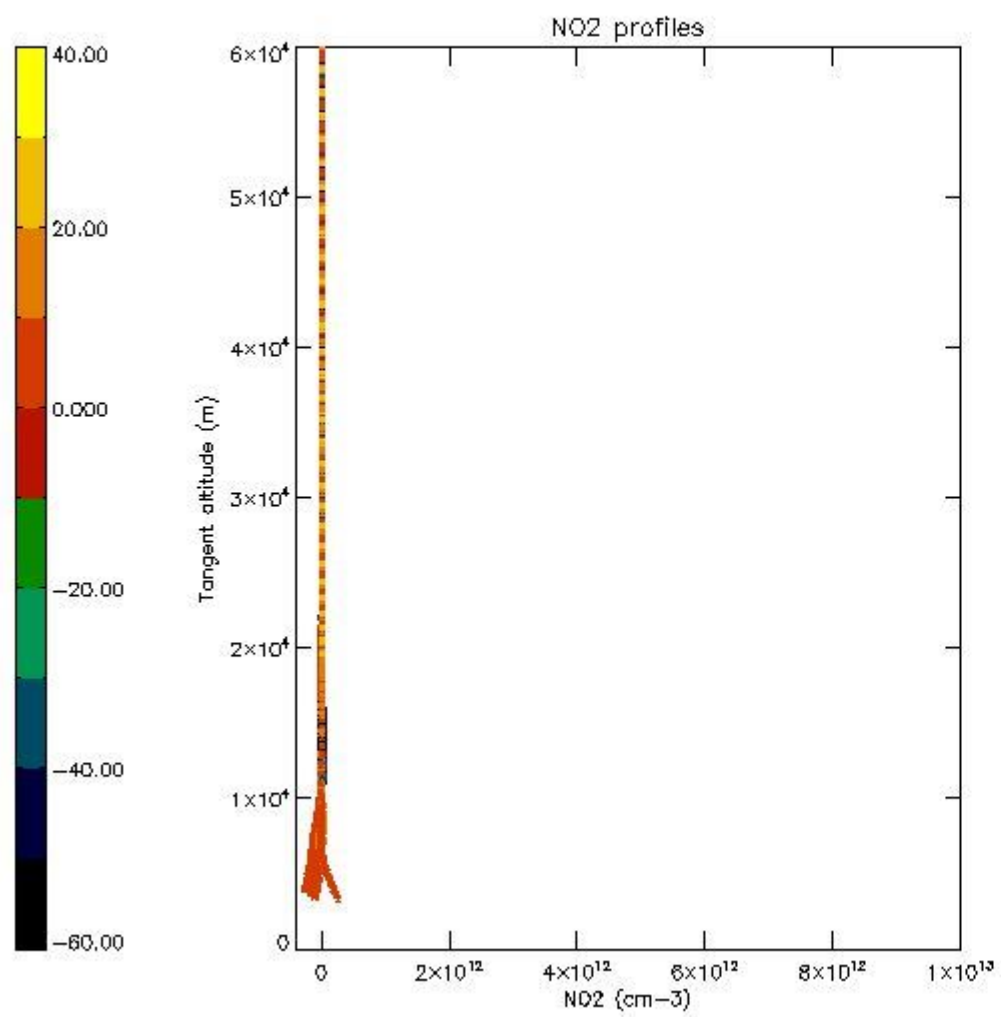
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



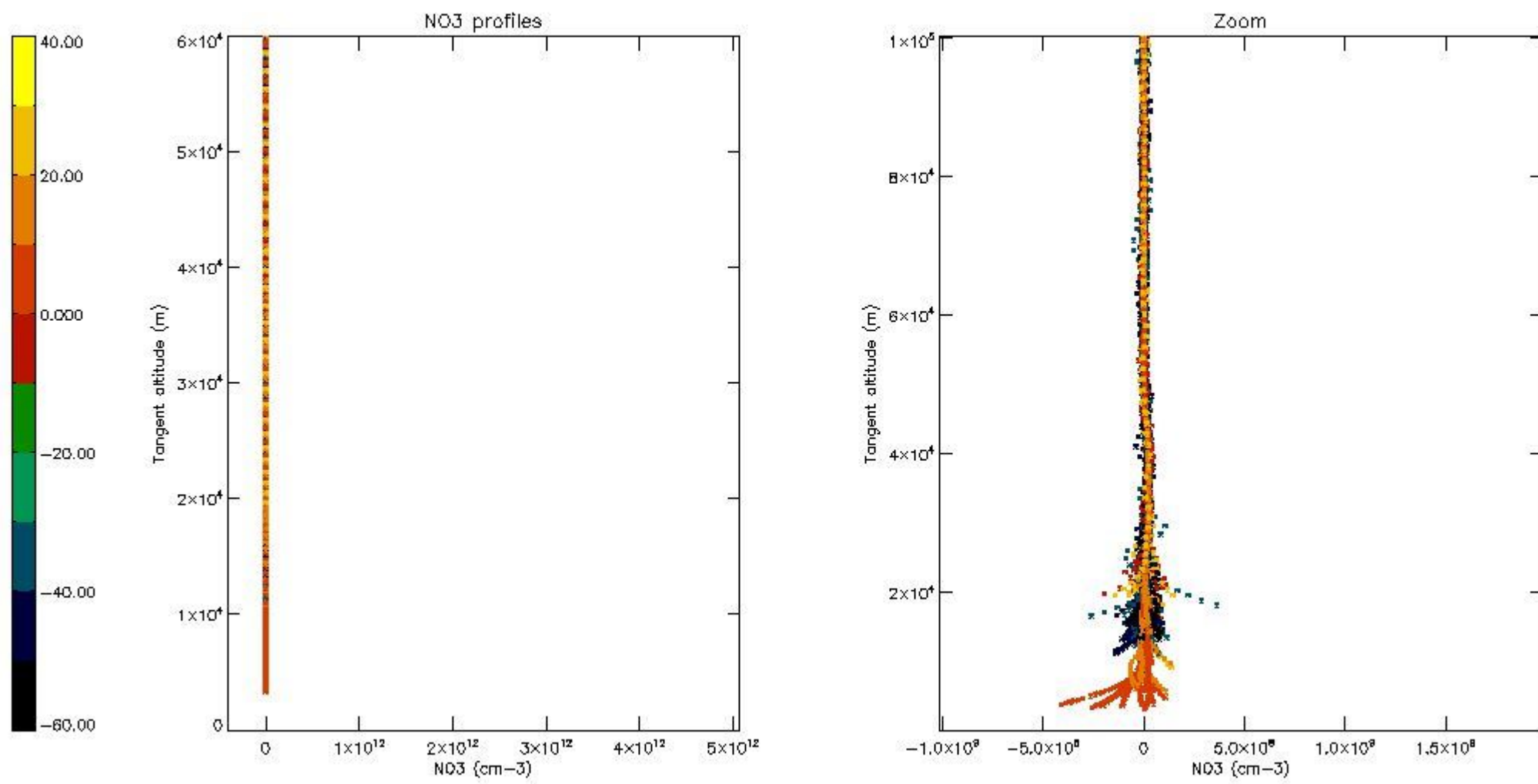
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



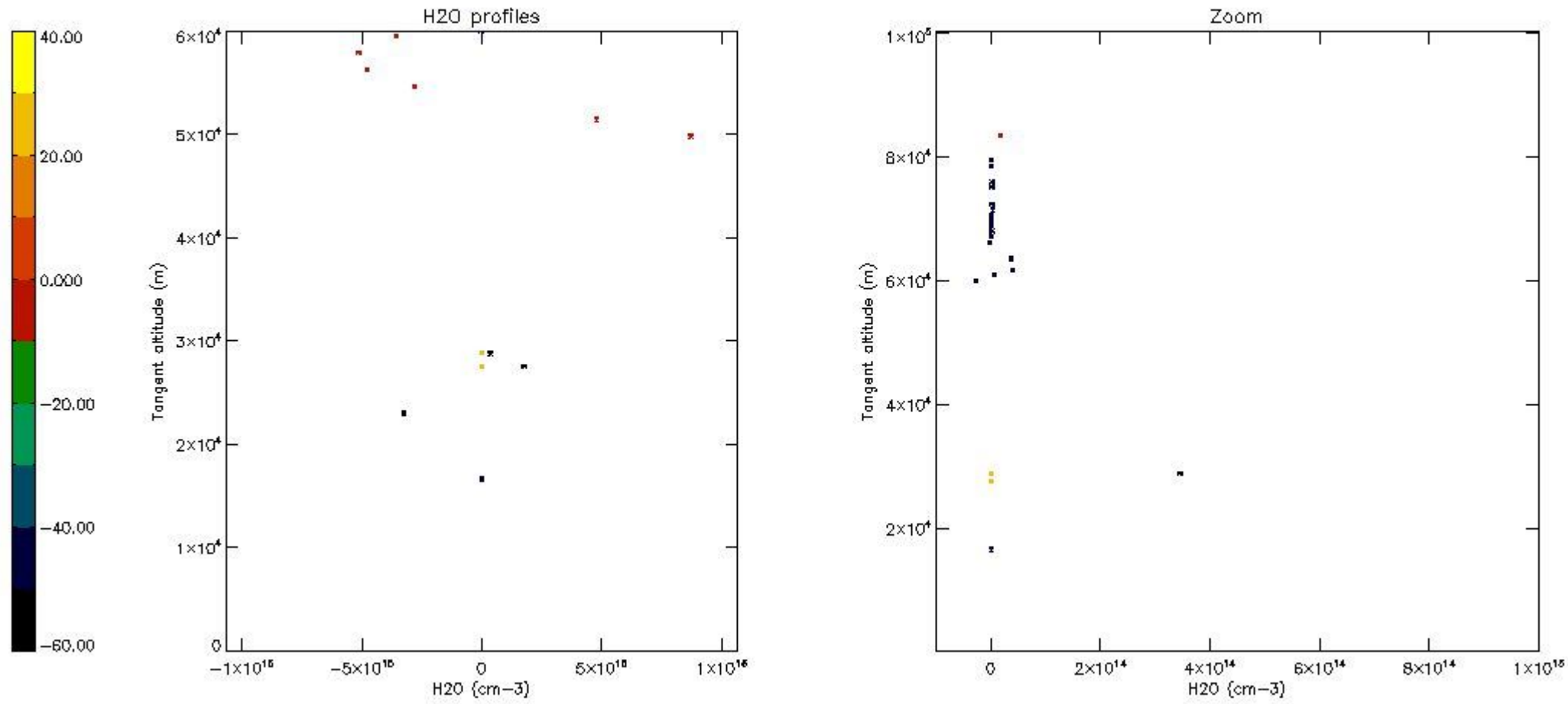
5.7 Plot NO3 profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

The colorbar represents the latitude.



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

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

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150440_20020301_000000_20100101_000000	1	08-MAR-2003 00:01:36
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	08-MAR-2003 00:01:36
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	08-MAR-2003 00:01:36

GOMOS Level 2 Daily Report

SUMMARY

[1. General Info](#)

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

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

[3.1 Plot of level 2 quality information per product \(time dependant\)](#)

[3.2 Plot of level 2 quality information per product \(world map\)](#)

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

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

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

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

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

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

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

[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	19APR2013 11:24:00
Data source version	GOMOS/6.01
Start time of products	08-03-2003 (08MAR2003 00:00:00)
Stop time of products	09-03-2003 (09MAR2003 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	435
Nb of prods with errors	2

2. Summary of processed GOM_NL__2P products.

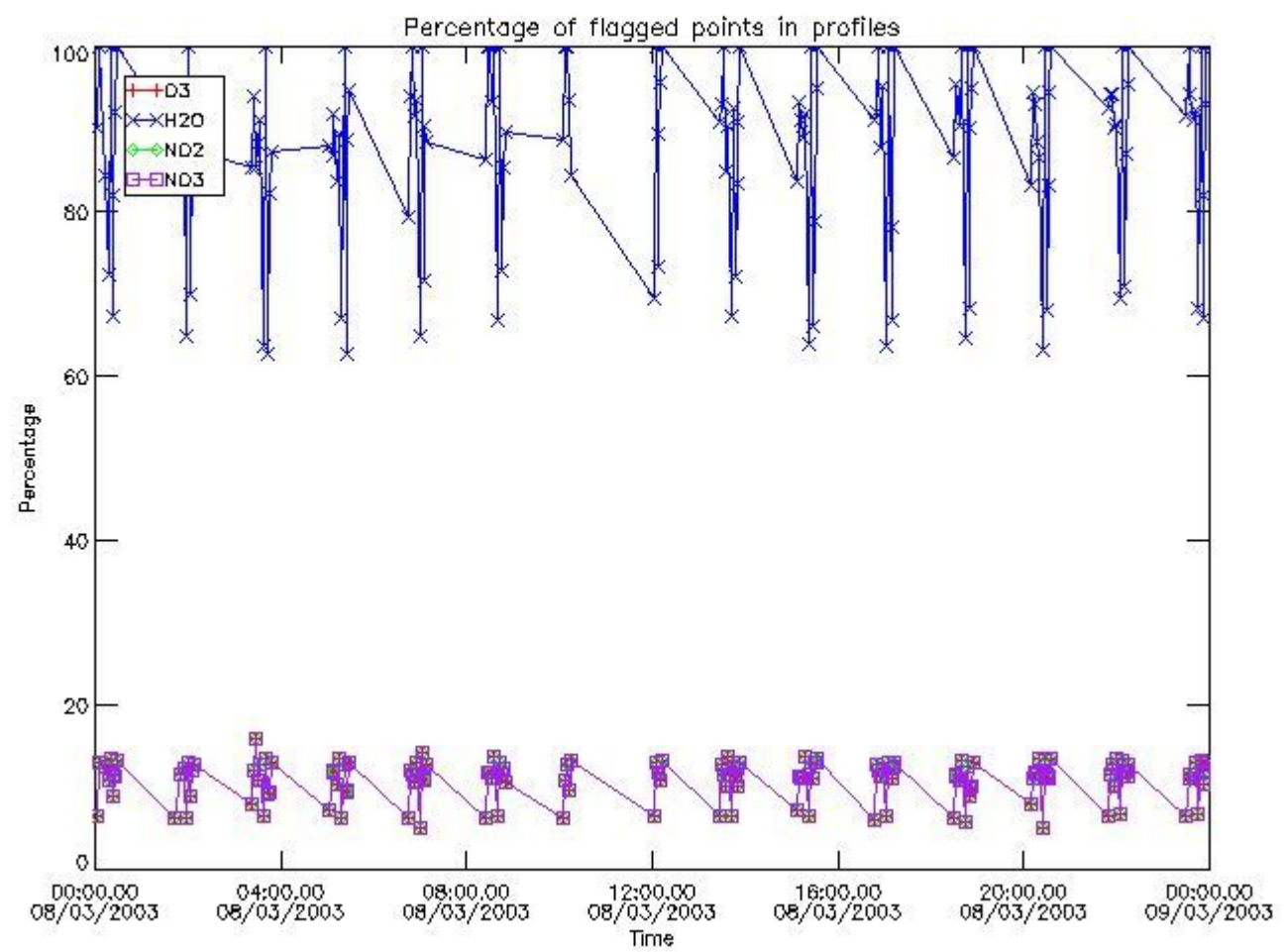
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20030308_000136_000000772014_00259_05323_5493.N1	08-MAR-2003 00:01:36	Dark	77.000	126	60Bet Oph	2.7700	4250.0	154	5323	No
2	GOM_NL__2PRFIN20030308_000434_000000472014_00259_05323_5494.N1	08-MAR-2003 00:04:34	Dark	46.500	155	41Pi Sgr	2.9000	6600.0	93	5323	No
3	GOM_NL__2PRFIN20030308_000805_000000572014_00259_05323_5495.N1	08-MAR-2003 00:08:05	Dark	57.000	1014	Mars	0.0000	0.0000	114	5323	Yes
4	GOM_NL__2PRFIN20030308_001343_000000452014_00259_05323_5496.N1	08-MAR-2003 00:13:43	Dark	45.000	40	The Sco	1.8590	7100.0	90	5323	No
5	GOM_NL__2PRFIN20030308_001857_000000482014_00260_05324_5711.N1	08-MAR-2003 00:18:57	Dark	47.500	43	Alp TrA	1.9100	4250.0	95	5324	No
6	GOM_NL__2PRFIN20030308_002112_000000382014_00260_05324_5712.N1	08-MAR-2003 00:21:12	Dark	37.500	145	Gam TrA	2.8720	10600.	75	5324	No
7	GOM_NL__2PRFIN20030308_002245_000000572014_00260_05324_5713.N1	08-MAR-2003 00:22:45	Dark	57.000	4	Alp1Cen	-0.010000	5800.0	114	5324	No
8	GOM_NL__2PRFIN20030308_002402_000000452014_00260_05324_5714.N1	08-MAR-2003 00:24:02	Dark	44.500	10	Bet Cen	0.61000	28000.	89	5324	No
9	GOM_NL__2PRFIN20030308_002620_000000452014_00260_05324_5715.N1	08-MAR-2003 00:26:20	Dark	45.000	12	Alp1Cru	0.77500	30000.	90	5324	No
10	GOM_NL__2PRFIN20030308_002733_000000392014_00260_05324_5716.N1	08-MAR-2003 00:27:33	Dark	38.500	129	Del Cru	2.7930	26000.	77	5324	No
11	GOM_NL__2PRFIN20030308_002903_000000442014_00260_05324_5717.N1	08-MAR-2003 00:29:03	Straylight	43.500	64	Gam Cen	2.2000	10600.	87	5324	No
12	GOM_NL__2PRFIN20030308_003115_000000402014_00260_05324_5718.N1	08-MAR-2003 00:31:15	Straylight	40.000	91	Kap Vel	2.4900	26000.	80	5324	No
13	GOM_NL__2PRFIN20030308_003434_000000432014_00260_05324_5719.N1	08-MAR-2003 00:34:34	Straylight	43.000	65	Lam Vel	2.2040	4400.0	86	5324	No
14	GOM_NL__2PRFIN20030308_003726_000000632014_00260_05324_5720.N1	08-MAR-2003 00:37:26	Straylight	62.500	106	9Bet Crv	2.6480	5600.0	125	5324	No
15	GOM_NL__2PRFIN20030308_004007_000000582014_00260_05324_5721.N1	08-MAR-2003 00:40:07	Straylight	57.500	100	4Gam Crv	2.5800	13100.	115	5324	No
16	GOM_NL__2PRFIN20030308_004401_000000462014_00260_05324_5722.N1	08-MAR-2003 00:44:01	Twilight_stray	46.000	48	30Alp Hya	1.9770	4100.0	92	5324	No
17	GOM_NL__2PRFIN20030308_004949_000000402014_00260_05324_5723.N1	08-MAR-2003 00:49:49	Bright	40.000	22	32Alp Leo	1.3600	15200.	80	5324	No
18	GOM_NL__2PRFIN20030308_005215_000000412014_00260_05324_5724.N1	08-MAR-2003 00:52:15	Bright	41.000	51	41Gam1Leo	2.0100	4500.0	82	5324	No
19	GOM_NL__2PRFIN20030308_010039_000000422014_00260_05324_5725.N1	08-MAR-2003 01:00:39	Bright	42.000	174	52Psi UMa	3.0040	4400.0	84	5324	No
20	GOM_NL__2PRFIN20030308_010338_000000412014_00260_05324_5726.N1	08-MAR-2003 01:03:38	Bright	40.500	82	48Bet UMa	2.3650	10600.	81	5324	No
21	GOM_NL__2PRFIN20030308_010503_000000402014_00260_05324_5727.N1	08-MAR-2003 01:05:03	Bright	40.000	36	50Alp UMa	1.8000	6300.0	80	5324	No
22	GOM_NL__2PRFIN20030308_010734_000000472014_00260_05324_5728.N1	08-MAR-2003 01:07:34	Bright	47.000	32	77Eps UMa	1.7630	11000.	94	5324	No
23	GOM_NL__2PRFIN20030308_011151_000000342014_00260_05324_5729.N1	08-MAR-2003 01:11:51	Bright	34.000	49	1Alp UMi	1.9900	6300.0	68	5324	No
24	GOM_NL__2PRFIN20030308_011644_000000482014_00260_05324_5730.N1	08-MAR-2003 01:16:44	Bright	47.500	119	14Eta Dra	2.7270	4700.0	95	5324	No
25	GOM_NL__2PRFIN20030308_011930_000000362014_00260_05324_5731.N1	08-MAR-2003 01:19:30	Bright	36.000	89	5Alp Cep	2.4510	8000.0	72	5324	No
26	GOM_NL__2PRFIN20030308_012125_000000502014_00260_05324_5732.N1	08-MAR-2003 01:21:25	Bright	49.500	130	23Bet Dra	2.7990	5800.0	99	5324	No
27	GOM_NL__2PRFIN20030308_012436_000000352014_00260_05324_5733.N1	08-MAR-2003 01:24:36	Bright	34.500	19	50Alp Cyg	1.2460	10500.	69	5324	No
28	GOM_NL__2PRFIN20030308_012610_000000382014_00260_05324_5734.N1	08-MAR-2003 01:26:10	Bright	37.500	66	37Gam Cyg	2.2080	5900.0	75	5324	No
29	GOM_NL__2PRFIN20030308_012746_000000372014_00260_05324_5735.N1	08-MAR-2003 01:27:46	Bright	37.000	92	53Eps Cyg	2.5000	4500.0	74	5324	No
30	GOM_NL__2PRFIN20030308_013057_000001132014_00260_05324_5736.N1	08-MAR-2003 01:30:57	Twilight_stray	113.00	133	40Zet Her	2.8070	6000.0	226	5324	No
31	GOM_NL__2PRFIN20030308_013508_000000482014_00260_05324_5737.N1	08-MAR-2003 01:35:08	Bright	48.000	168	17Zet Aql	2.9860	11000.	96	5324	No
32	GOM_NL__2PRFIN20030308_013931_000000832014_00260_05324_5738.N1	08-MAR-2003 01:39:31	Straylight	83.000	59	55Alp Oph	2.0800	8900.0	166	5324	No
33	GOM_NL__2PRFIN20030308_014213_000000832014_00260_05324_5739.N1	08-MAR-2003 01:42:13	Dark	83.000	126	60Bet Oph	2.7700	4250.0	166	5324	No
34	GOM_NL__2PRFIN20030308_014842_000000652014_00260_05324_5740.N1	08-MAR-2003 01:48:42	Dark	65.000	1014	Mars	0.0000	0.0000	130	5324	Yes
35	GOM_NL__2PRFIN20030308_015021_000000442014_00260_05324_5741.N1	08-MAR-2003 01:50:21	Dark	44.000	38	20Eps Sgr	1.8360	11000.	88	5324	No
36	GOM_NL__2PRFIN20030308_015420_000000462014_00260_05324_5742.N1	08-MAR-2003 01:54:20	Dark	46.000	40	The Sco	1.8590	7100.0	92	5324	No
37	GOM_NL__2PRFIN20030308_015736_000000802014_00261_05325_5473.N1	08-MAR-2003 01:57:36	Dark	80.000	16	21Alp Sco	1.0200	3000.0	160	5325	No
38	GOM_NL__2PRFIN20030308_020041_000000402014_00261_05325_5474.N1	08-MAR-2003 02:00:41	Dark	39.500	134	Bet TrA	2.8100	6600.0	79	5325	No
39	GOM_NL__2PRFIN20030308_020321_000000572014_00261_05325_5475.N1	08-MAR-2003 02:03:21	Dark	57.000	4	Alp1Cen	-0.010000	5800.0	114	5325	No
40	GOM_NL__2PRFIN20030308_020438_000000422014_00261_05325_5476.N1	08-MAR-2003 02:04:38	Dark	42.000	10	Bet Cen	0.61000	28000.	84	5325	No
41	GOM_NL__2PRFIN20030308_020706_000000402014_00261_05325_5477.N1	08-MAR-2003 02:07:06	Dark	40.000	20	Bet Cru	1.2530	30000.	80	5325	No
42	GOM_NL__2PRFIN20030308_020910_000000662014_00261_05325_5478.N1	08-MAR-2003 02:09:10	Straylight	66.000	54	5The Cen	2.0550	4500.0	132	5325	No

397	GOM_NL__2PRFIN20030308_221040_000000442014_00273_05337_5362.N1	08-MAR-2003 22:10:40	Dark	43.500	4	Alp1Cen	-0.010000	5800.0	87	5337	No
398	GOM_NL__2PRFIN20030308_221157_000000432014_00273_05337_5363.N1	08-MAR-2003 22:11:57	Dark	42.500	10	Bet Cen	0.61000	28000.	85	5337	No
399	GOM_NL__2PRFIN20030308_221413_000000452014_00273_05337_5364.N1	08-MAR-2003 22:14:13	Dark	45.000	12	Alp1Cru	0.77500	30000.	90	5337	No
400	GOM_NL__2PRFIN20030308_221525_000000402014_00273_05337_5365.N1	08-MAR-2003 22:15:25	Dark	40.000	129	Del Cru	2.7930	26000.	80	5337	No
401	GOM_NL__2PRFIN20030308_221658_000000452014_00273_05337_5366.N1	08-MAR-2003 22:16:58	Straylight	45.000	64	Gam Cen	2.2000	10600.	90	5337	No
402	GOM_NL__2PRFIN20030308_221904_000000402014_00273_05337_5367.N1	08-MAR-2003 22:19:04	Straylight	39.500	91	Kap Vel	2.4900	26000.	79	5337	No
403	GOM_NL__2PRFIN20030308_222223_000000422014_00273_05337_5368.N1	08-MAR-2003 22:22:23	Straylight	41.500	65	Lam Vel	2.2040	4400.0	83	5337	No
404	GOM_NL__2PRFIN20030308_222518_000000622014_00273_05337_5369.N1	08-MAR-2003 22:25:18	Straylight	61.500	106	9Bet Crv	2.6480	5600.0	123	5337	No
405	GOM_NL__2PRFIN20030308_222756_000000542014_00273_05337_5370.N1	08-MAR-2003 22:27:56	Straylight	53.500	100	4Gam Crv	2.5800	13100.	107	5337	No
406	GOM_NL__2PRFIN20030308_223150_000000422014_00273_05337_5371.N1	08-MAR-2003 22:31:50	Tw_i_and_stray	41.500	48	30Alp Hya	1.9770	4100.0	83	5337	No
407	GOM_NL__2PRFIN20030308_223735_000000402014_00273_05337_5372.N1	08-MAR-2003 22:37:35	Bright	40.000	22	32Alp Leo	1.3600	15200.	80	5337	No
408	GOM_NL__2PRFIN20030308_224000_000000422014_00273_05337_5373.N1	08-MAR-2003 22:40:00	Bright	41.500	51	41Gam1Leo	2.0100	4500.0	83	5337	No
409	GOM_NL__2PRFIN20030308_224820_000000432014_00273_05337_5374.N1	08-MAR-2003 22:48:20	Bright	42.500	174	52Psi UMa	3.0040	4400.0	85	5337	No
410	GOM_NL__2PRFIN20030308_225120_000000402014_00273_05337_5375.N1	08-MAR-2003 22:51:20	Bright	39.500	82	48Bet UMa	2.3650	10600.	79	5337	No
411	GOM_NL__2PRFIN20030308_225246_000000402014_00273_05337_5376.N1	08-MAR-2003 22:52:46	Bright	40.000	36	50Alp UMa	1.8000	6300.0	80	5337	No
412	GOM_NL__2PRFIN20030308_225511_000000482014_00273_05337_5377.N1	08-MAR-2003 22:55:11	Bright	47.500	32	77Eps UMa	1.7630	11000.	95	5337	No
413	GOM_NL__2PRFIN20030308_225938_000000372014_00273_05337_5378.N1	08-MAR-2003 22:59:38	Bright	37.000	49	1Alp UMi	1.9900	6300.0	74	5337	No
414	GOM_NL__2PRFIN20030308_230425_000000482014_00273_05337_5379.N1	08-MAR-2003 23:04:25	Bright	47.500	119	14Eta Dra	2.7270	4700.0	95	5337	No
415	GOM_NL__2PRFIN20030308_230719_000000362014_00273_05337_5380.N1	08-MAR-2003 23:07:19	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	5337	No
416	GOM_NL__2PRFIN20030308_230908_000000492014_00273_05337_5381.N1	08-MAR-2003 23:09:08	Bright	49.000	130	23Bet Dra	2.7990	5800.0	98	5337	No
417	GOM_NL__2PRFIN20030308_231225_000000372014_00273_05337_5382.N1	08-MAR-2003 23:12:25	Bright	36.500	19	50Alp Cyg	1.2460	10500.	73	5337	No
418	GOM_NL__2PRFIN20030308_231359_000000352014_00273_05337_5383.N1	08-MAR-2003 23:13:59	Bright	35.000	66	37Gam Cyg	2.2080	5900.0	70	5337	No
419	GOM_NL__2PRFIN20030308_231536_000000362014_00273_05337_5384.N1	08-MAR-2003 23:15:36	Bright	35.500	92	53Eps Cyg	2.5000	4500.0	71	5337	No
420	GOM_NL__2PRFIN20030308_231850_000001182014_00273_05337_5385.N1	08-MAR-2003 23:18:50	Tw_i_and_stray	117.50	133	40Zet Her	2.8070	6000.0	235	5337	No
421	GOM_NL__2PRFIN20030308_232301_000000482014_00273_05337_5386.N1	08-MAR-2003 23:23:01	Bright	48.000	168	17Zet Aql	2.9860	11000.	96	5337	No
422	GOM_NL__2PRFIN20030308_232735_000000902014_00273_05337_5387.N1	08-MAR-2003 23:27:35	Straylight	89.500	59	55Alp Oph	2.0800	8900.0	179	5337	No
423	GOM_NL__2PRFIN20030308_233018_000000782014_00273_05337_5388.N1	08-MAR-2003 23:30:18	Dark	78.000	126	60Bet Oph	2.7700	4250.0	156	5337	No
424	GOM_NL__2PRFIN20030308_233306_000000462014_00273_05337_5389.N1	08-MAR-2003 23:33:06	Dark	46.000	155	41Pi Sgr	2.9000	6600.0	92	5337	No
425	GOM_NL__2PRFIN20030308_233501_000000442014_00273_05337_5390.N1	08-MAR-2003 23:35:01	Dark	44.000	57	34Sig Sgr	2.0660	26000.	88	5337	No
426	GOM_NL__2PRFIN20030308_233819_000000462014_00273_05337_5391.N1	08-MAR-2003 23:38:19	Dark	45.500	38	20Eps Sgr	1.8360	11000.	91	5337	No
427	GOM_NL__2PRFIN20030308_234047_000000392014_00273_05337_5392.N1	08-MAR-2003 23:40:47	Dark	39.000	45	Alp Pav	1.9400	26000.	78	5337	No
428	GOM_NL__2PRFIN20030308_234547_000000762014_00274_05338_5360.N1	08-MAR-2003 23:45:47	Dark	76.000	16	21Alp Sco	1.0200	3000.0	152	5338	No
429	GOM_NL__2PRFIN20030308_234835_000000392014_00274_05338_5361.N1	08-MAR-2003 23:48:35	Dark	38.500	134	Bet TrA	2.8100	6600.0	77	5338	No
430	GOM_NL__2PRFIN20030308_235117_000000492014_00274_05338_5362.N1	08-MAR-2003 23:51:17	Dark	49.000	4	Alp1Cen	-0.010000	5800.0	98	5338	No
431	GOM_NL__2PRFIN20030308_235233_000000422014_00274_05338_5363.N1	08-MAR-2003 23:52:33	Dark	42.000	10	Bet Cen	0.61000	28000.	84	5338	No
432	GOM_NL__2PRFIN20030308_235449_000000432014_00274_05338_5364.N1	08-MAR-2003 23:54:49	Dark	43.000	12	Alp1Cru	0.77500	30000.	86	5338	No
433	GOM_NL__2PRFIN20030308_235602_000000392014_00274_05338_5365.N1	08-MAR-2003 23:56:02	Dark	39.000	129	Del Cru	2.7930	26000.	78	5338	No
434	GOM_NL__2PRFIN20030308_235735_000000432014_00274_05338_5366.N1	08-MAR-2003 23:57:35	Straylight	42.500	64	Gam Cen	2.2000	10600.	85	5338	No
435	GOM_NL__2PRFIN20030308_235940_000000382014_00274_05338_5367.N1	08-MAR-2003 23:59:40	Straylight	37.500	91	Kap Vel	2.4900	26000.	75	5338	No

3. Quality information per product

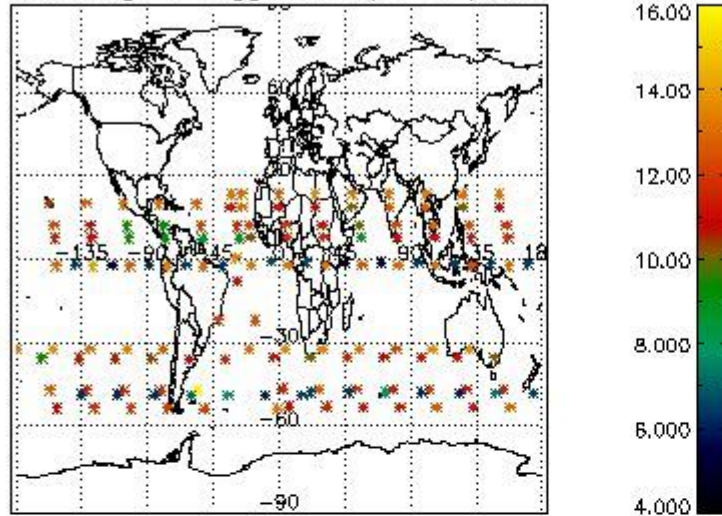
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

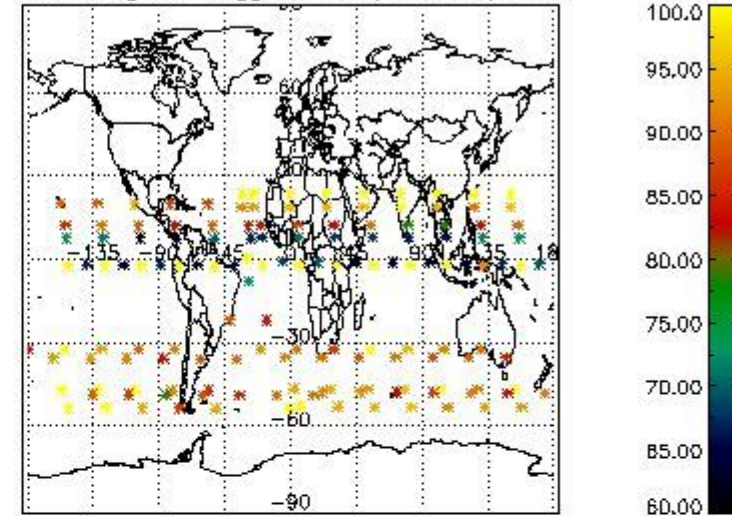


3.2 Plot quality information per product (world map)

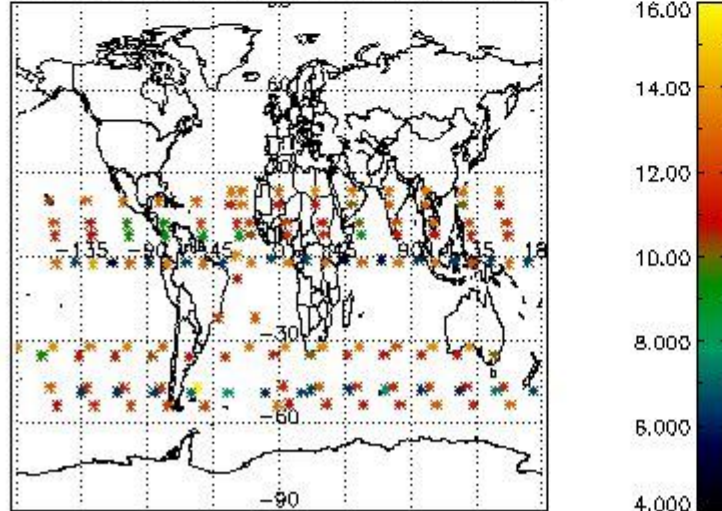
Percentage of flagged data per O3 profile



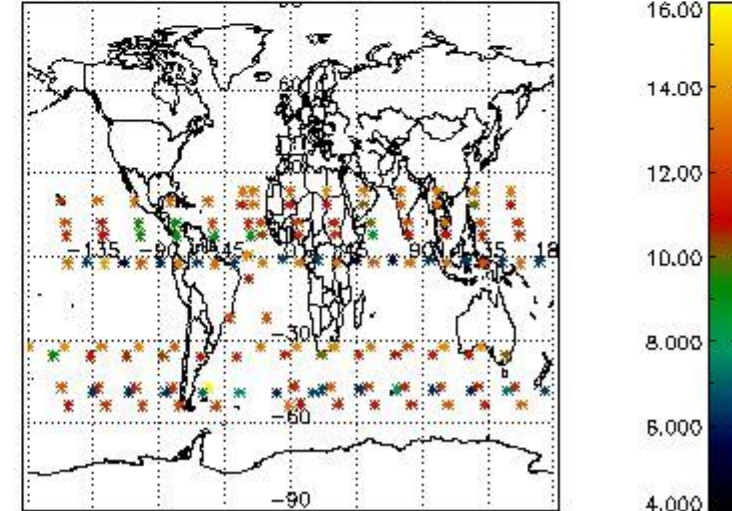
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

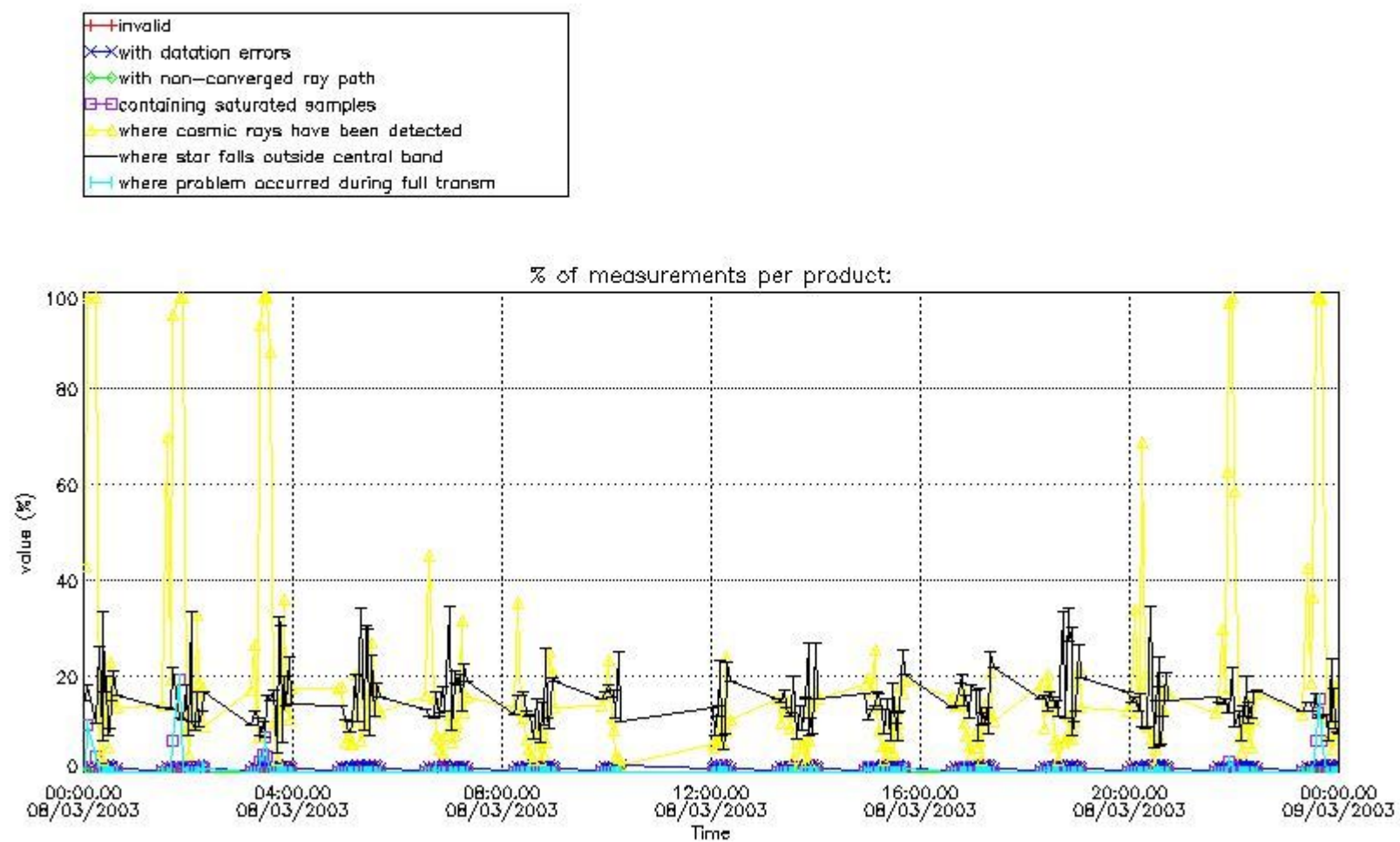


4. Level 1 quality information per product

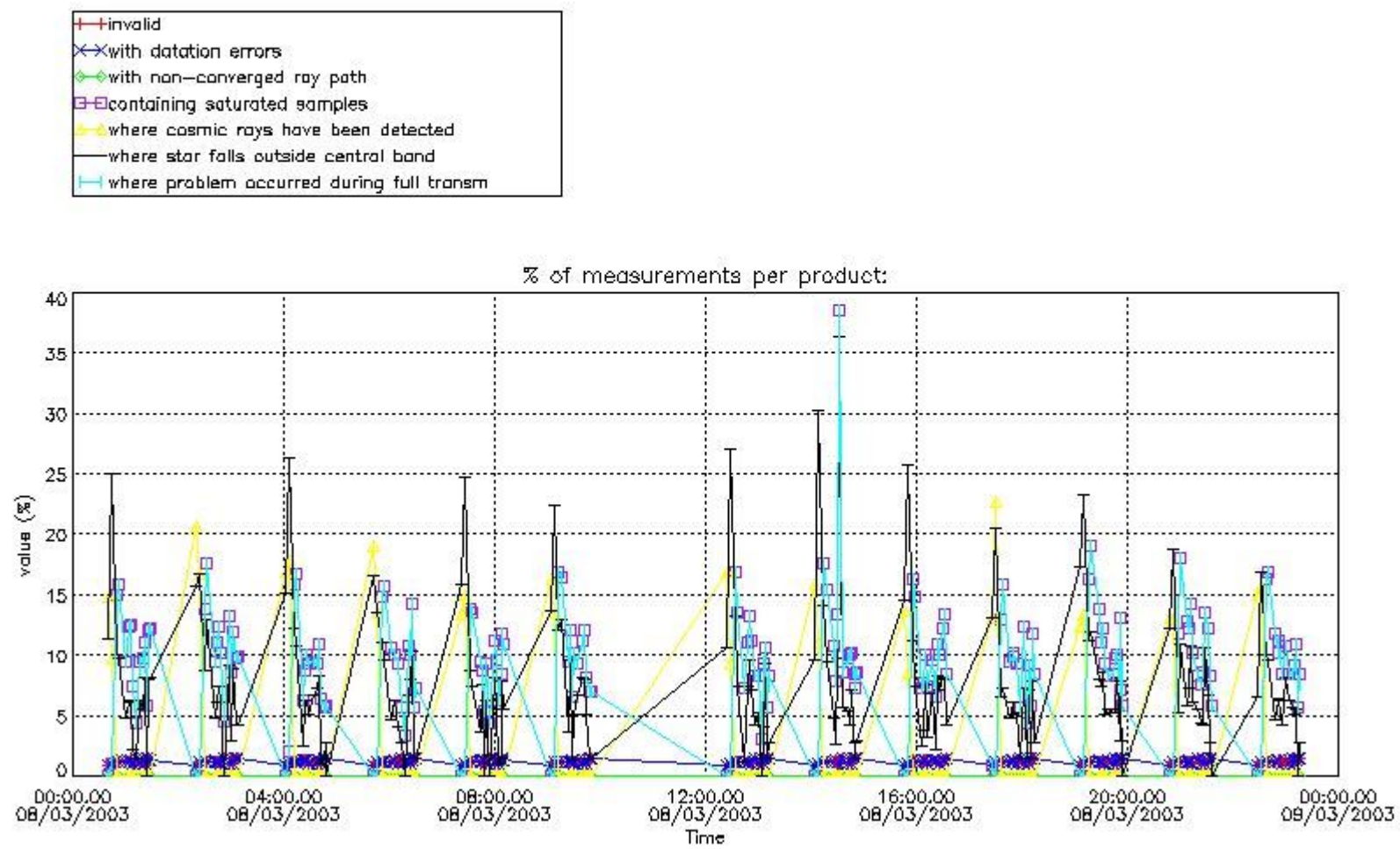
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

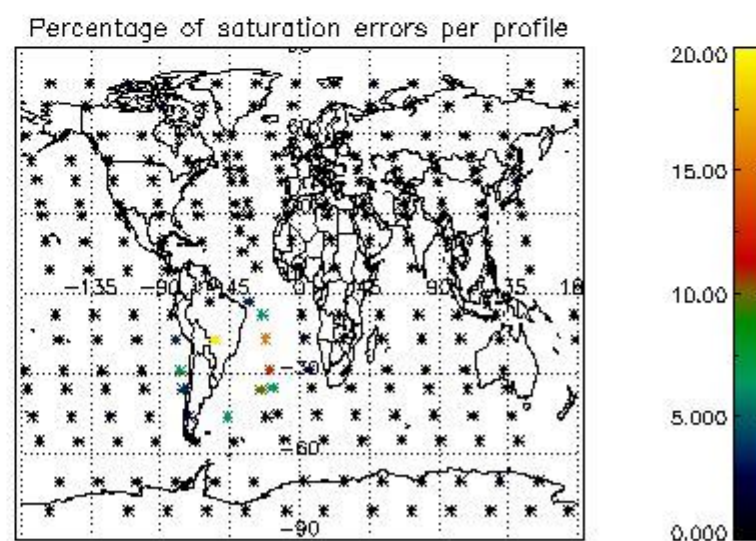
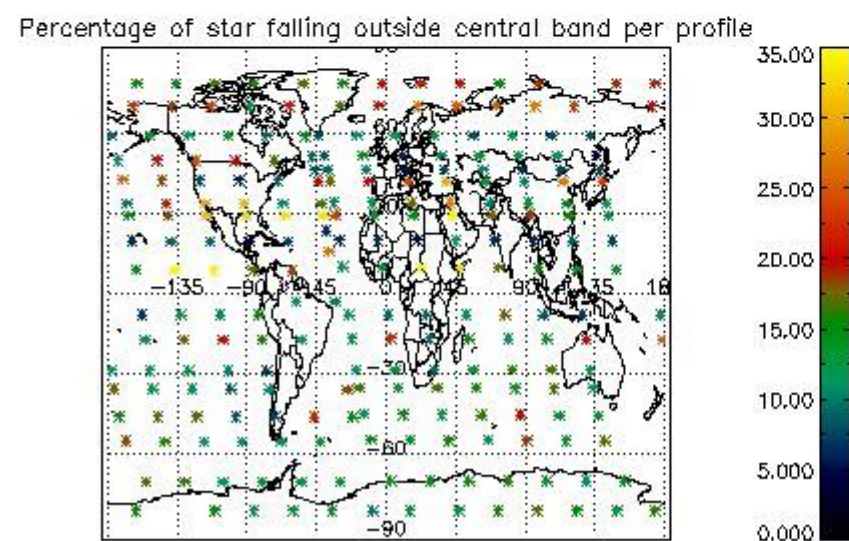
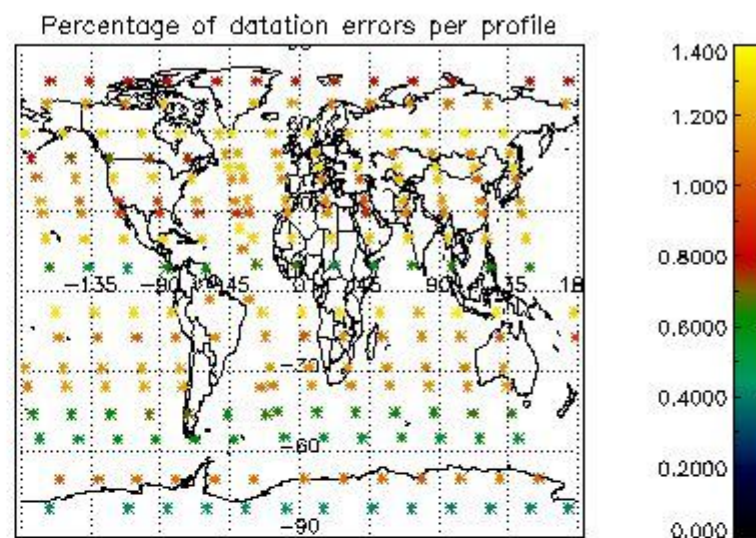
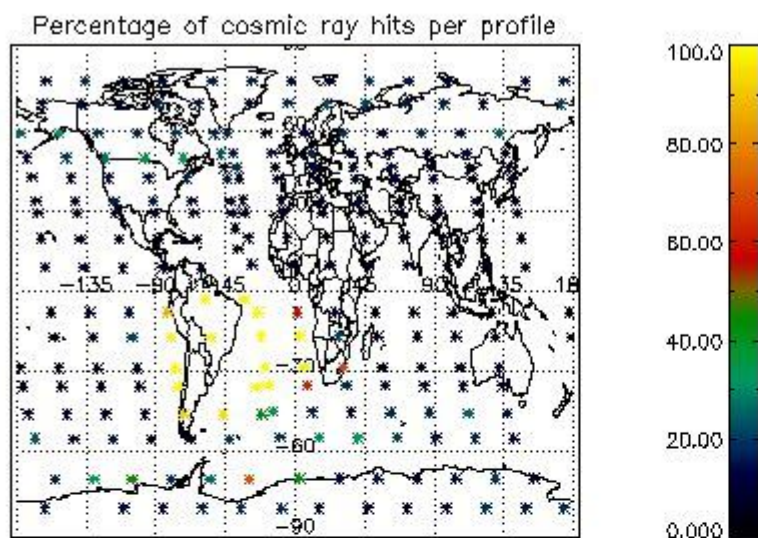


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

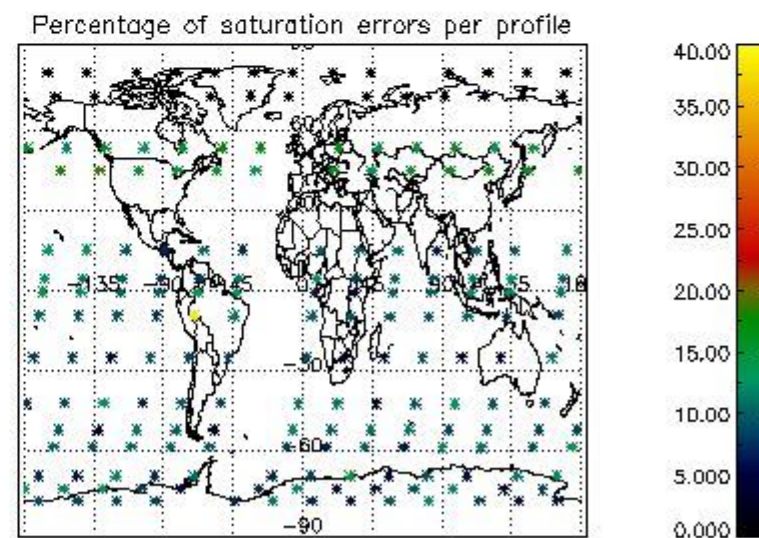
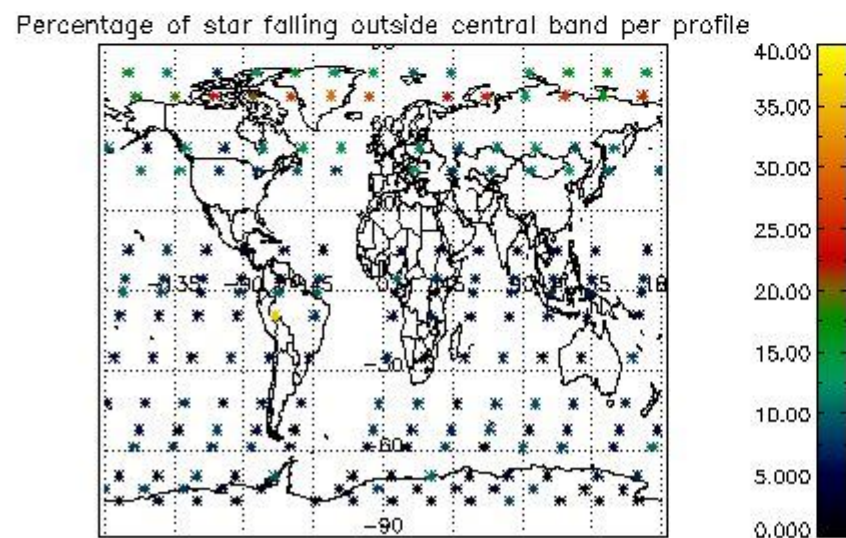
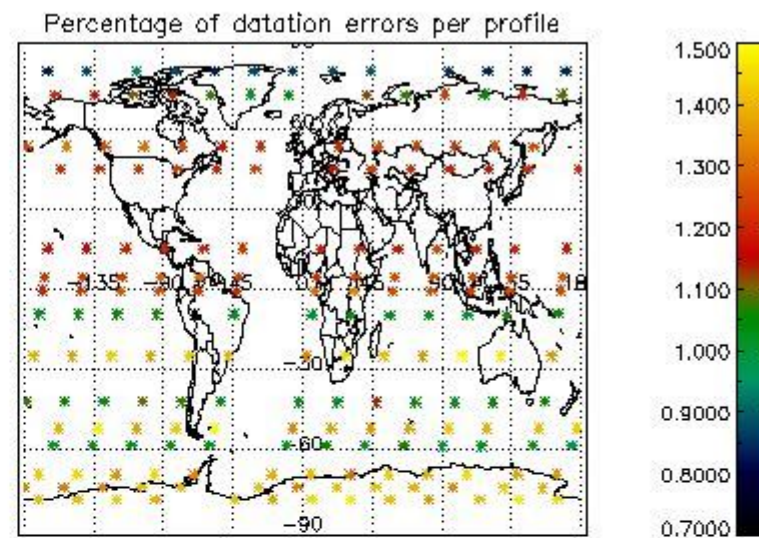
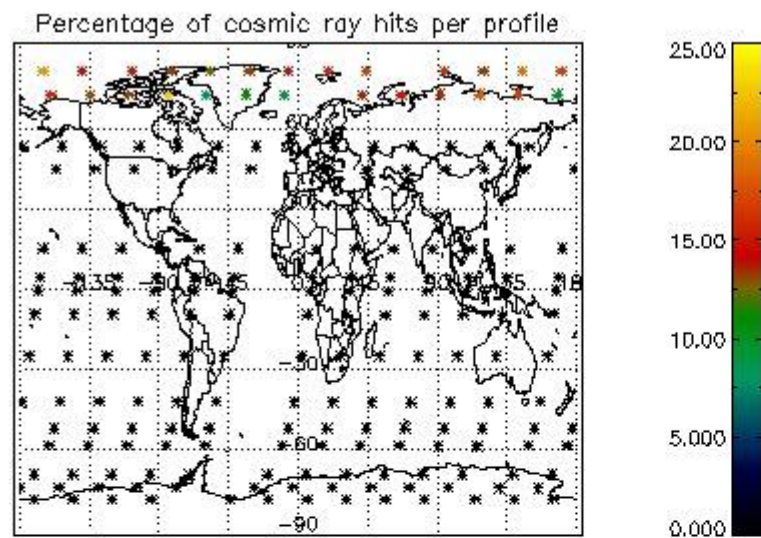


4.2 Plot quality information per product coming from level 1b processing (world map)

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



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

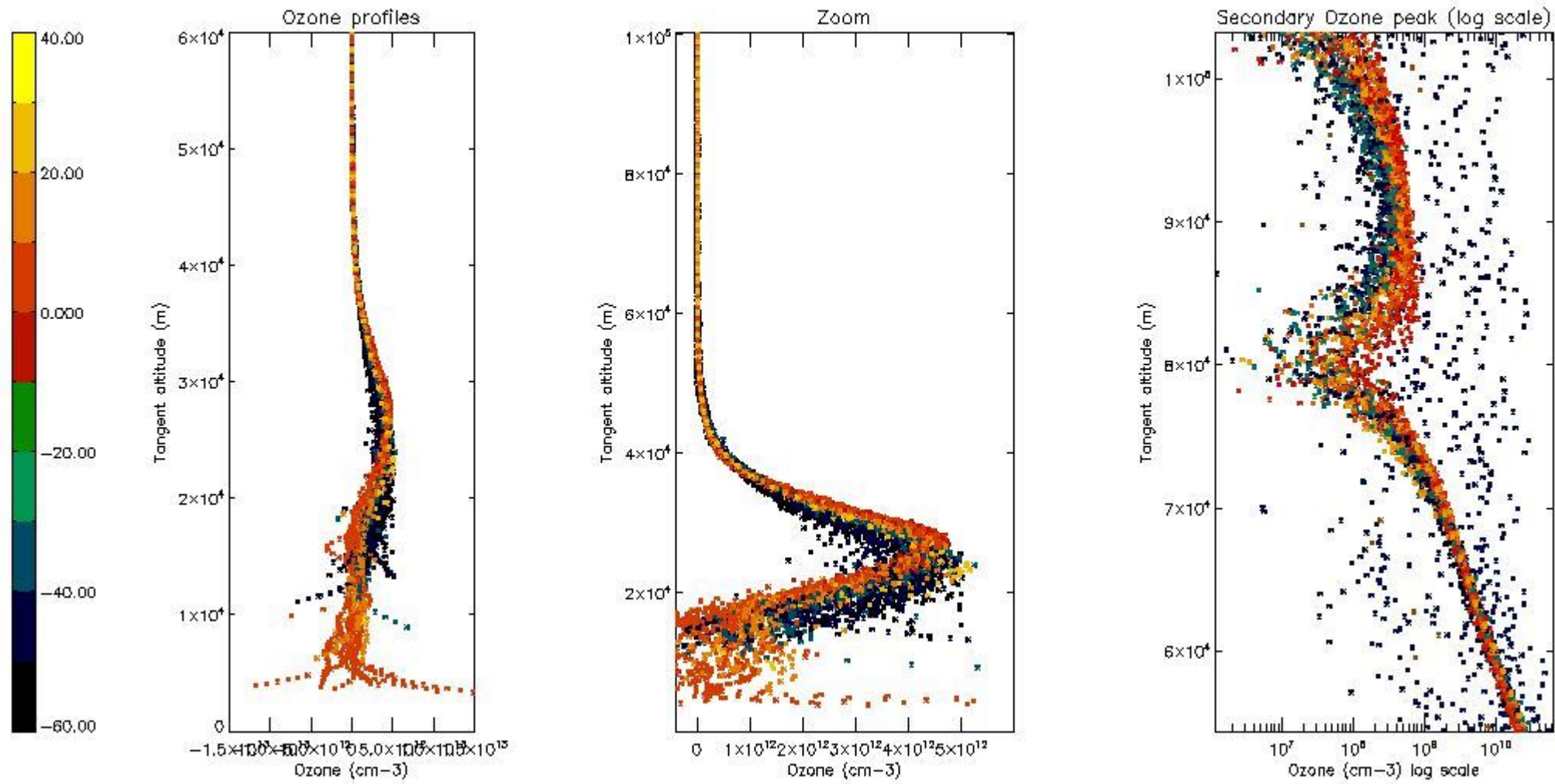
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	35
STD < 20	21

STD < 10	18
STD < 5	12

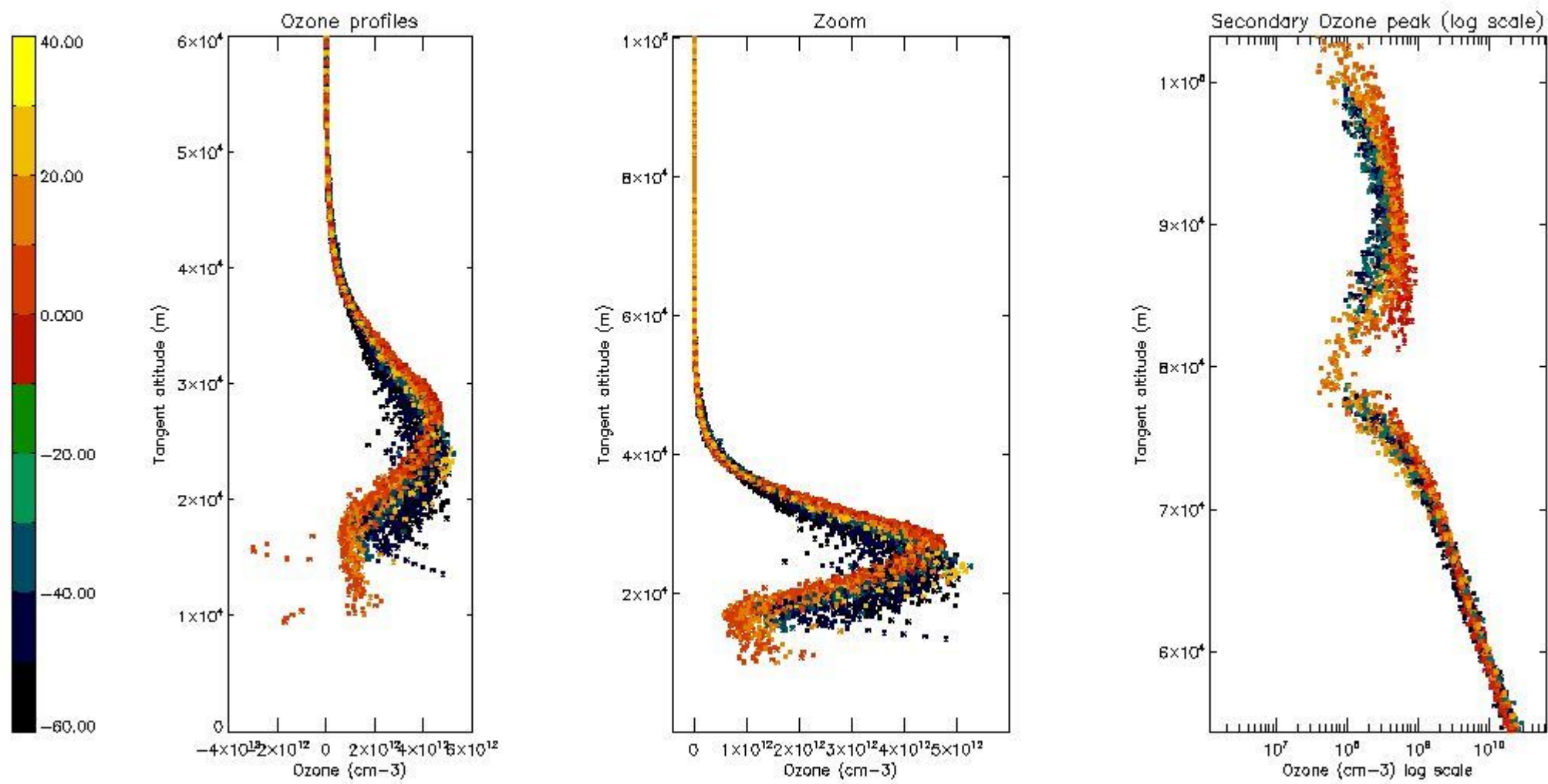
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



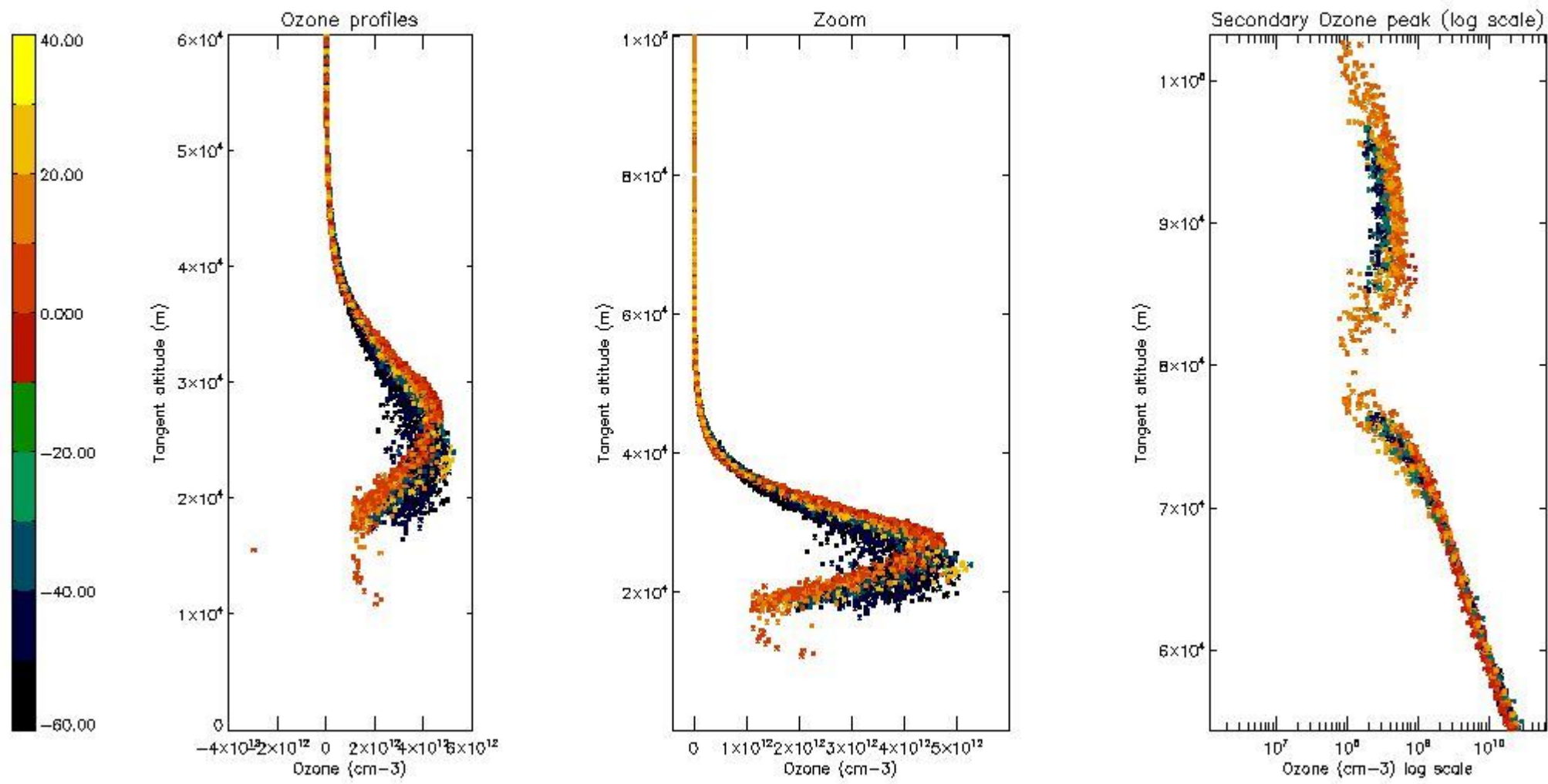
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



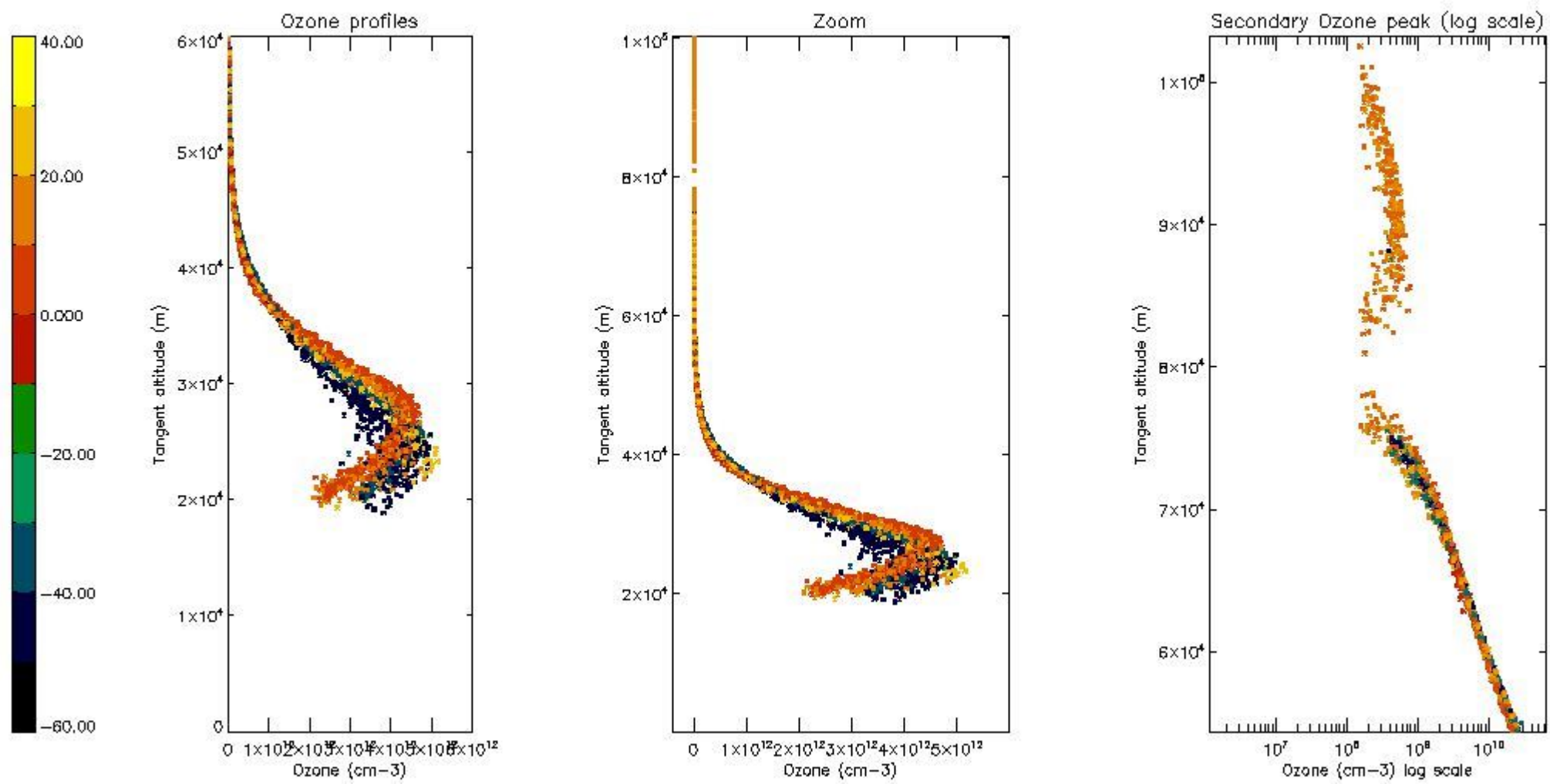
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



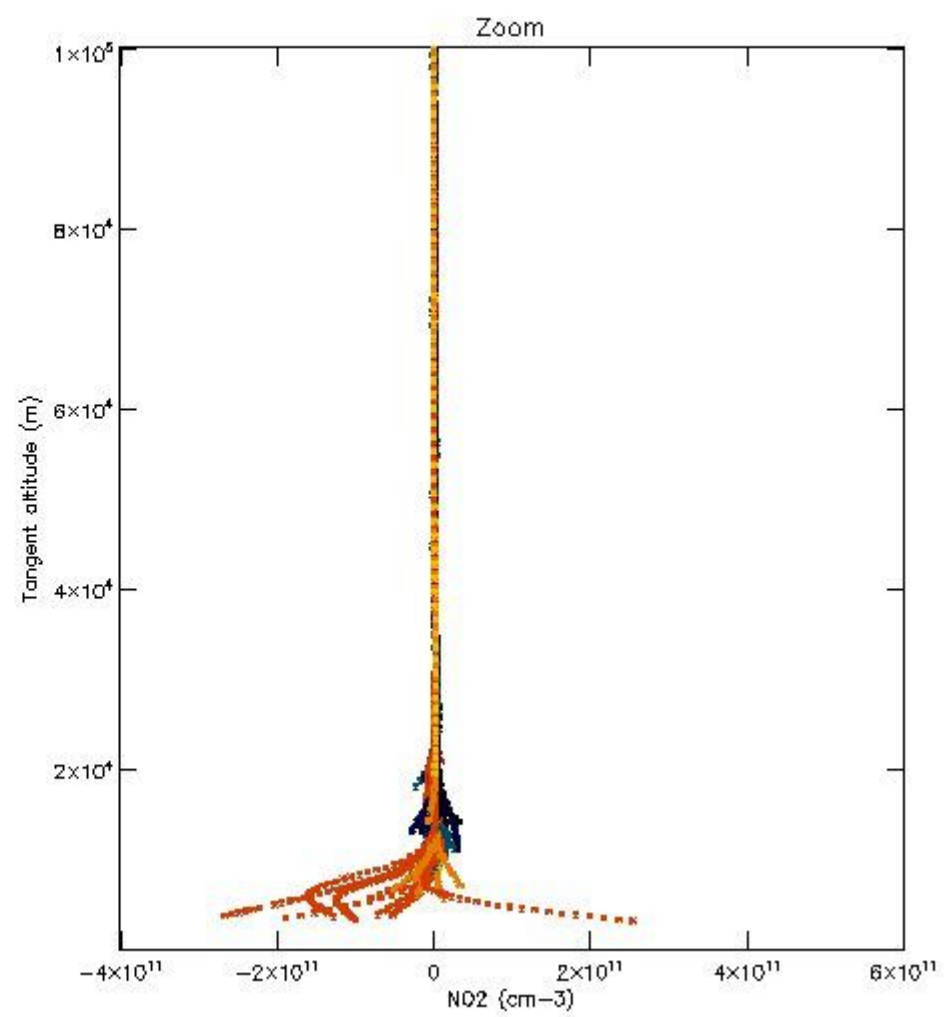
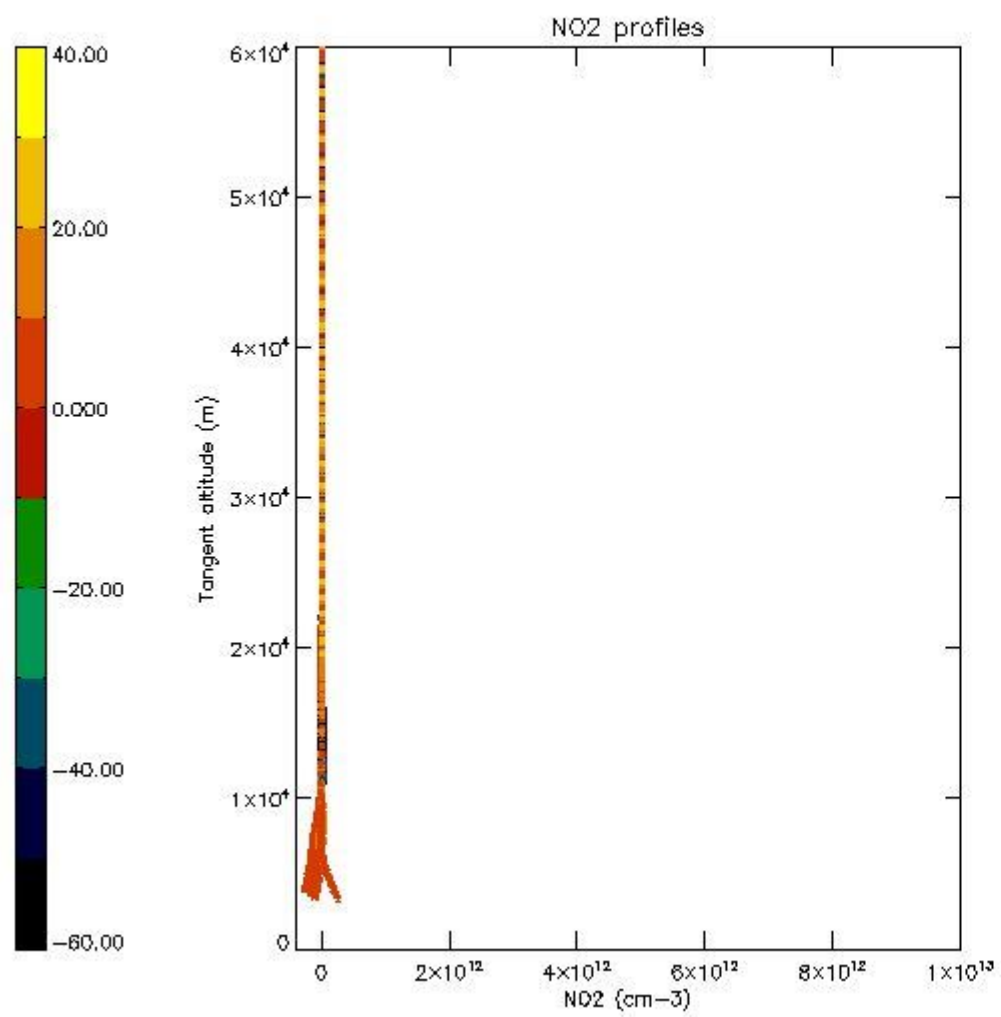
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



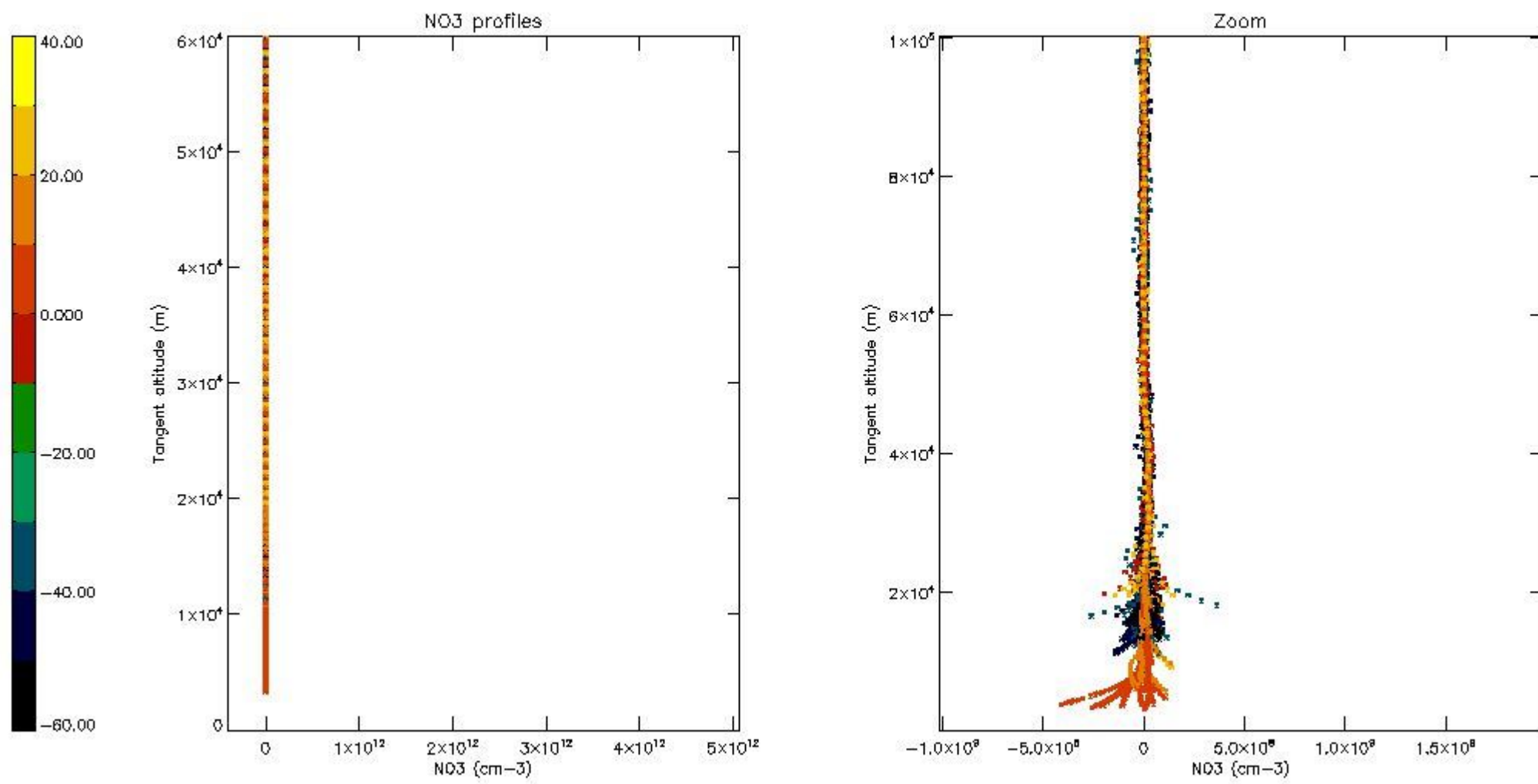
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



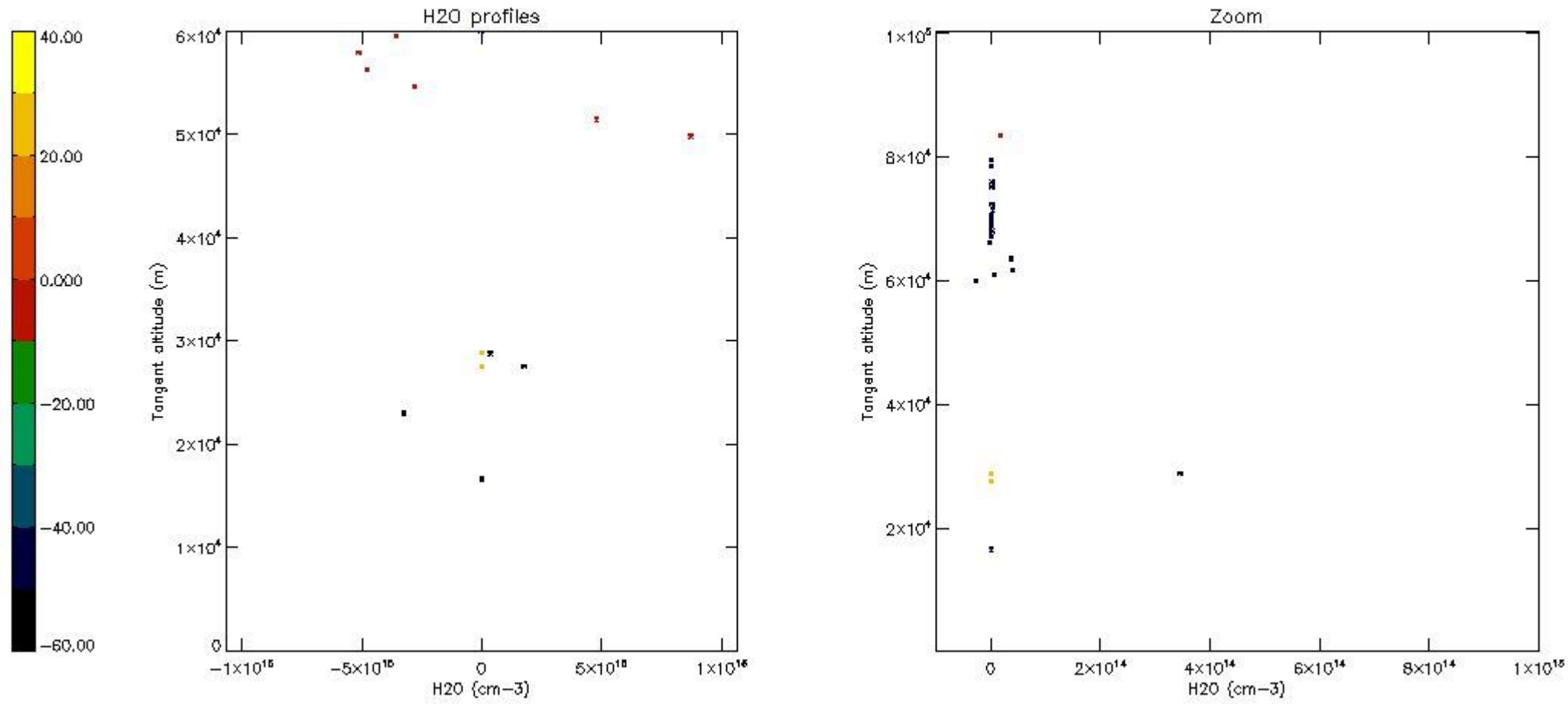
5.7 Plot NO3 profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

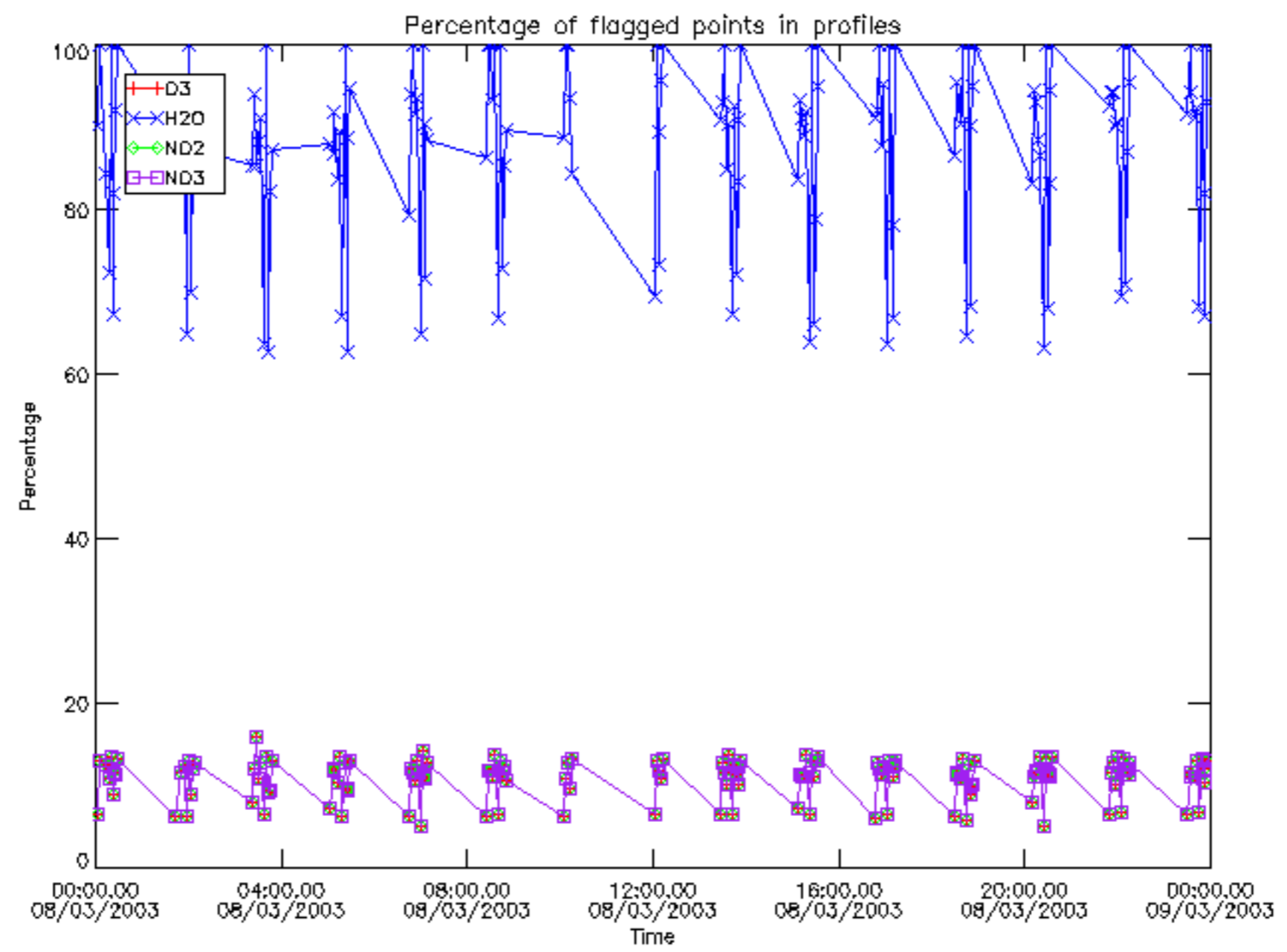
The colorbar represents the latitude.



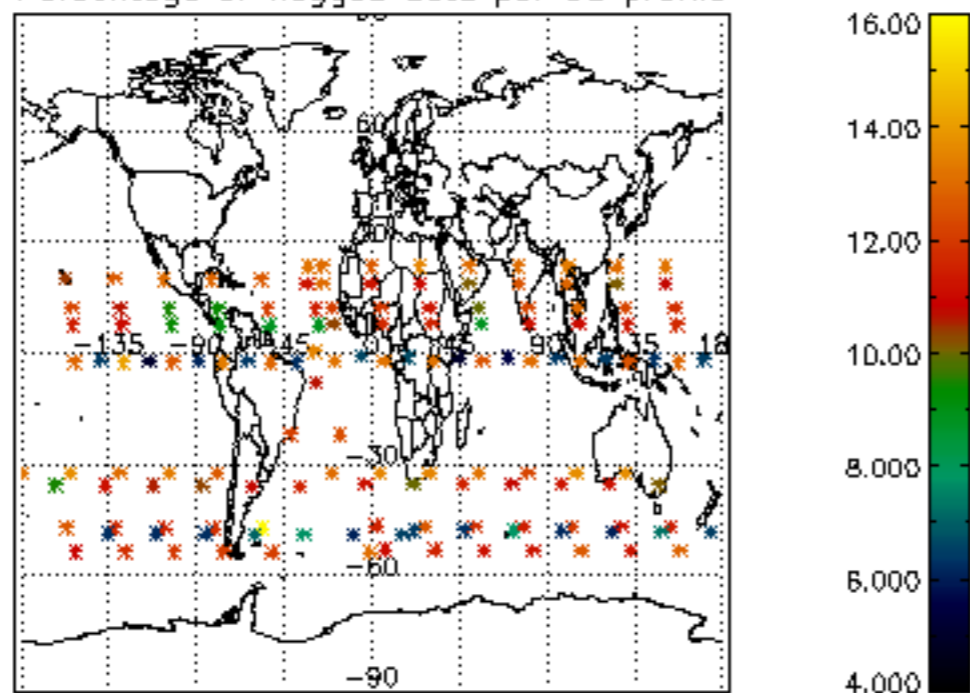
6. Auxiliary Data Files used for the production reported in section 2

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

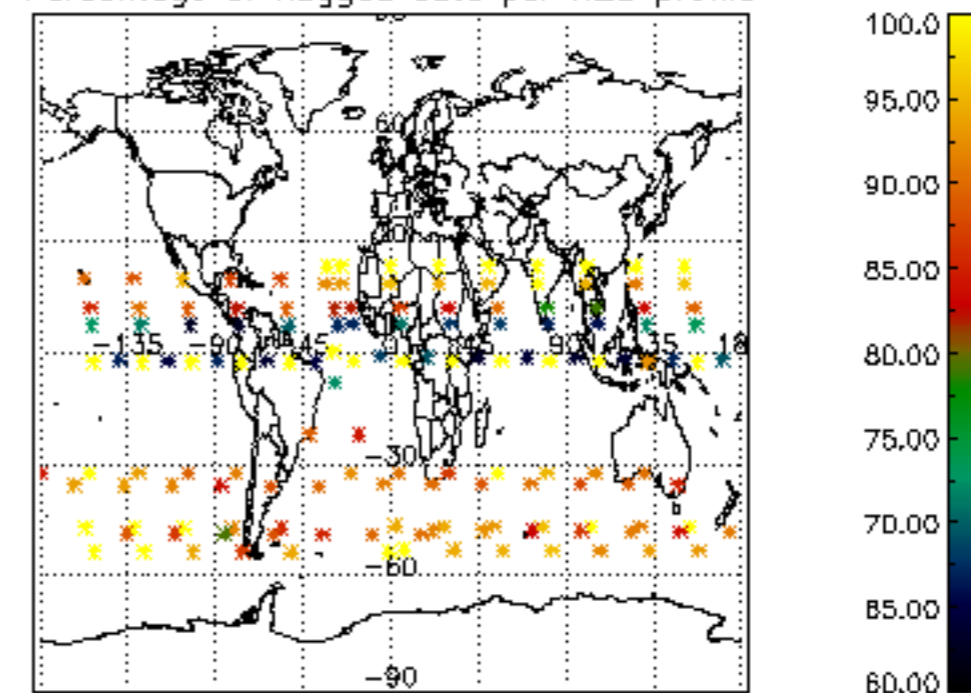
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150440_20020301_000000_20100101_000000	1	08-MAR-2003 00:01:36
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	08-MAR-2003 00:01:36
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	08-MAR-2003 00:01:36



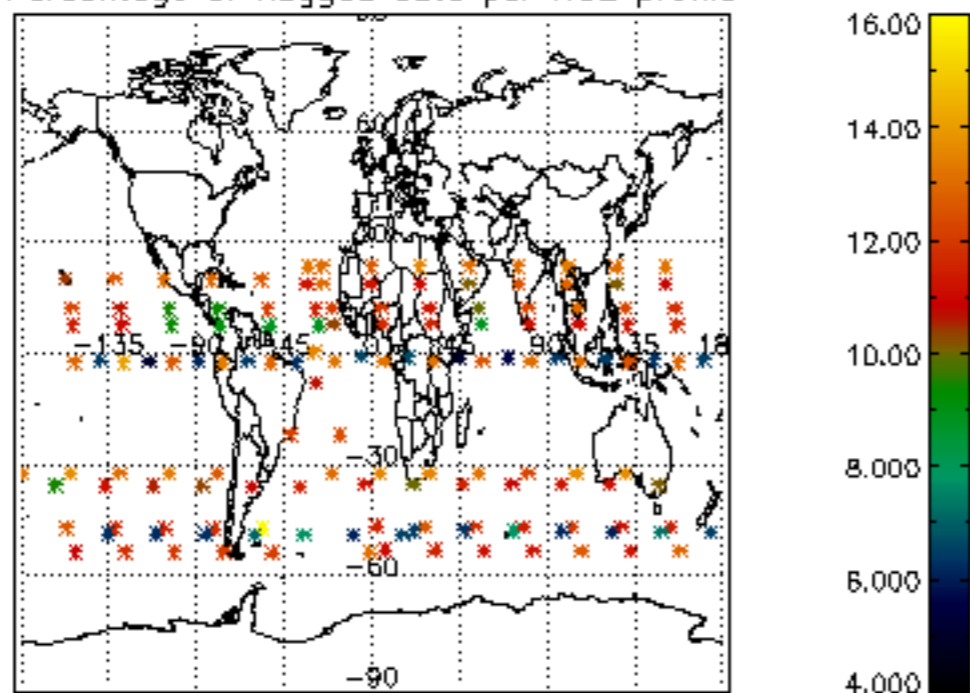
Percentage of flagged data per D3 profile



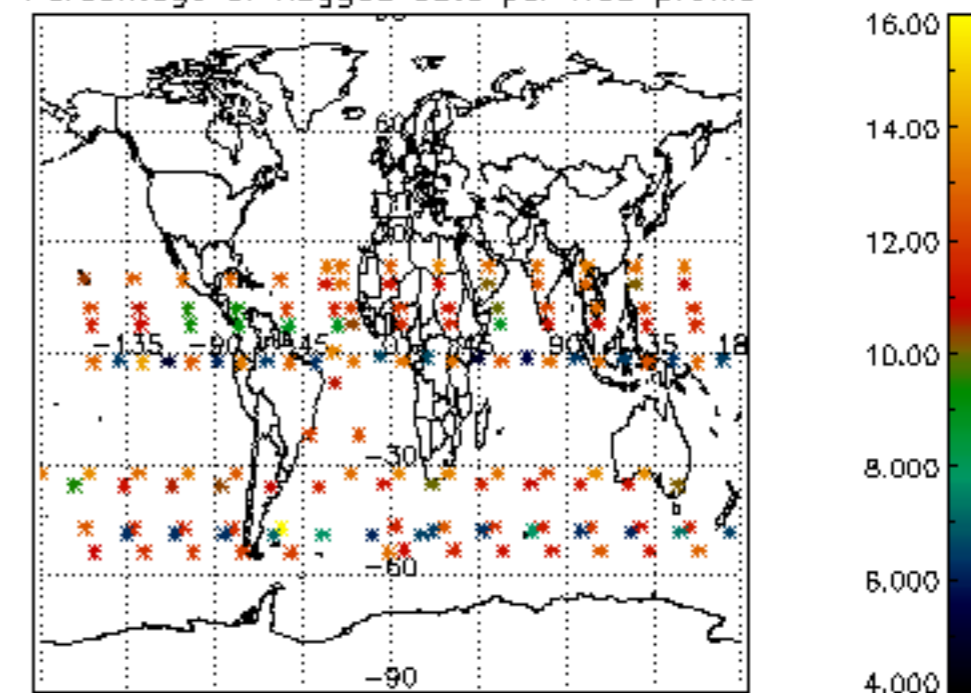
Percentage of flagged data per H2O profile

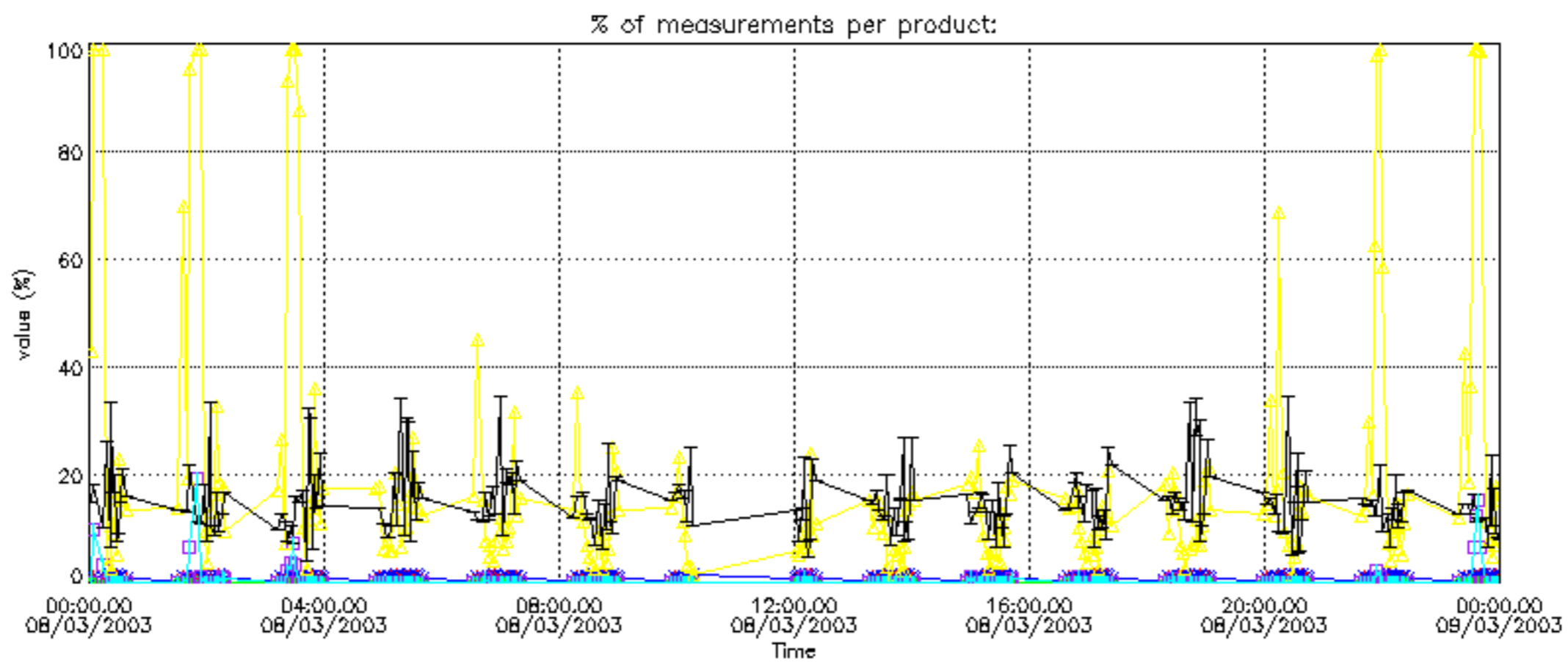


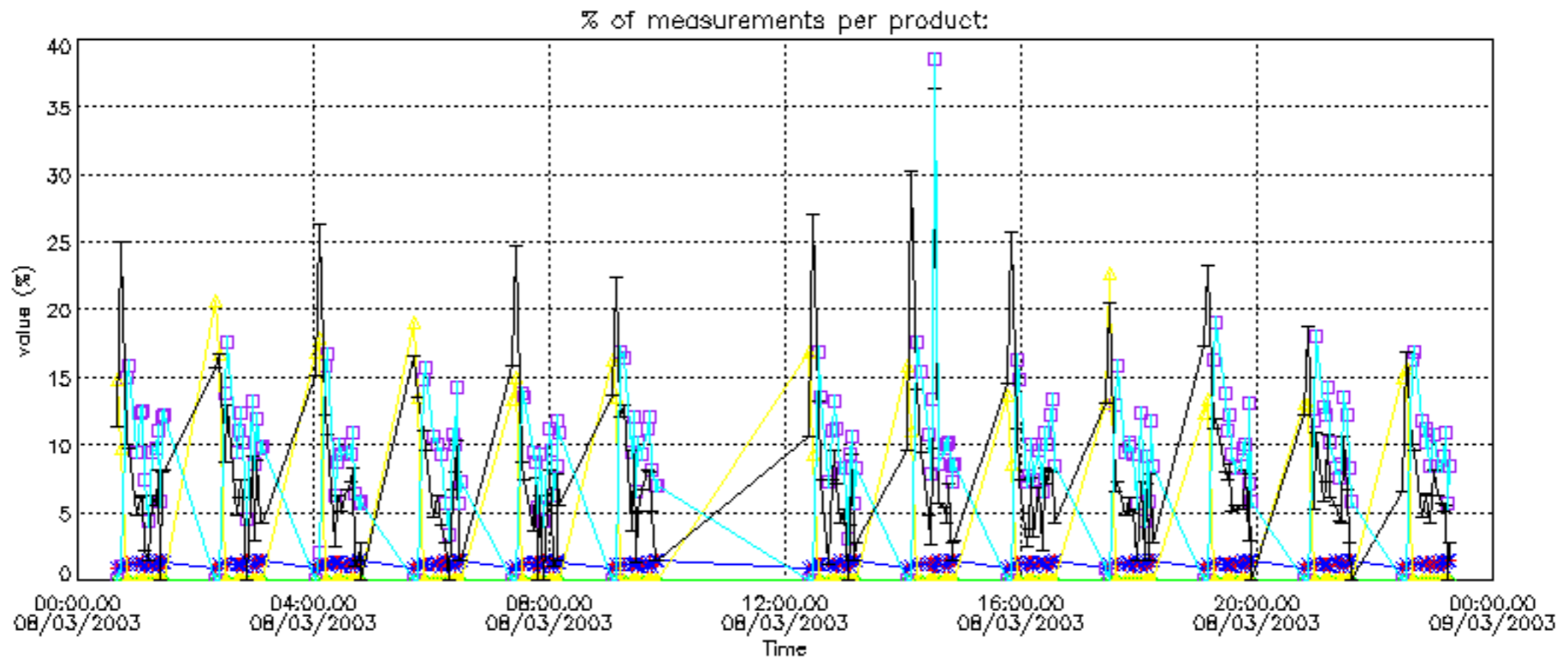
Percentage of flagged data per NO2 profile



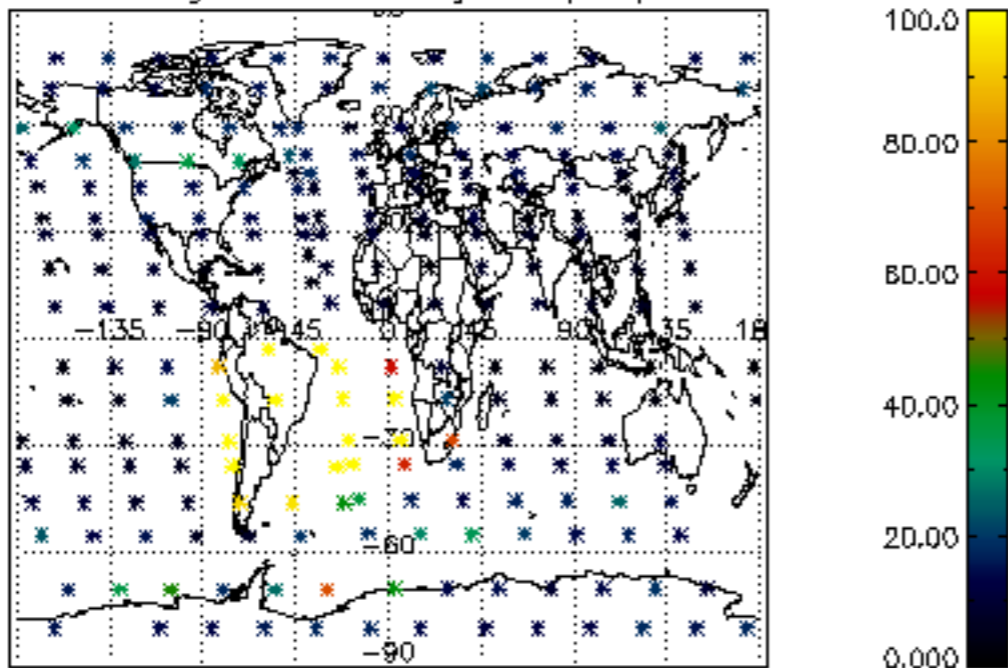
Percentage of flagged data per NO3 profile



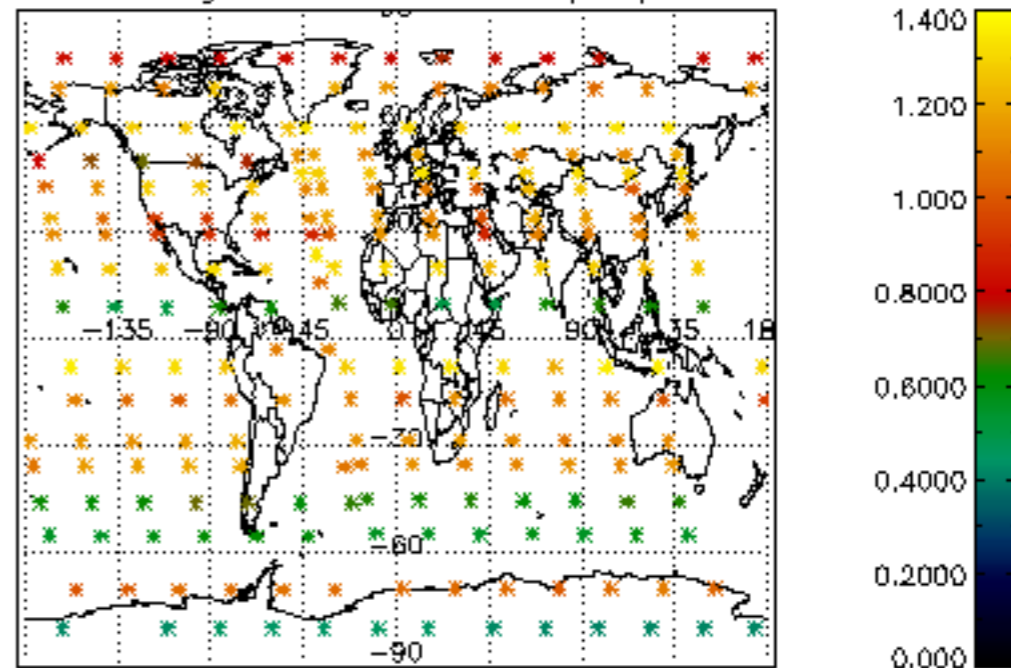




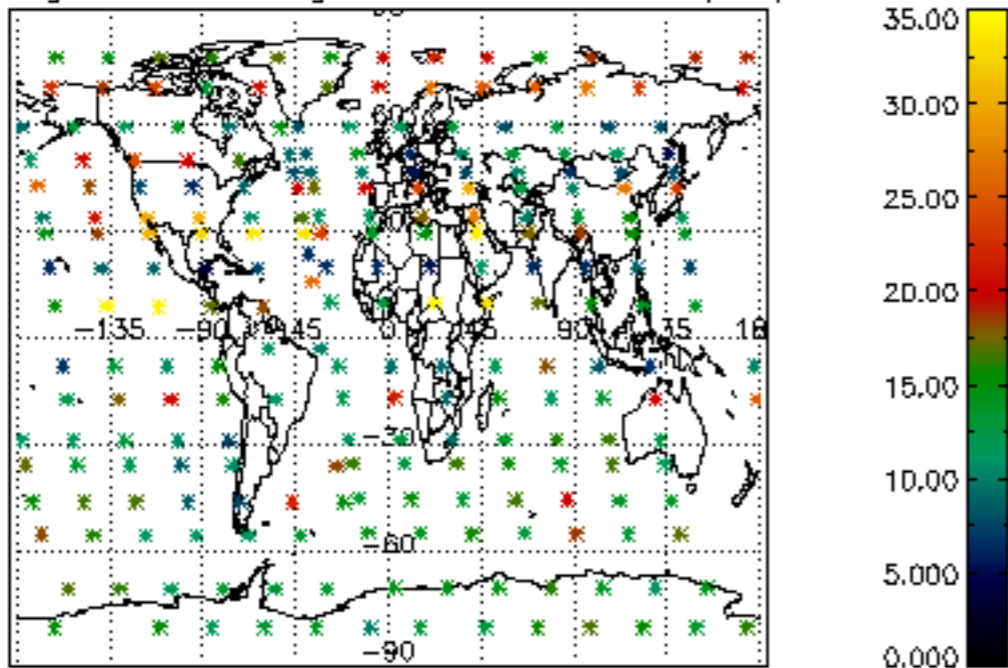
Percentage of cosmic ray hits per profile



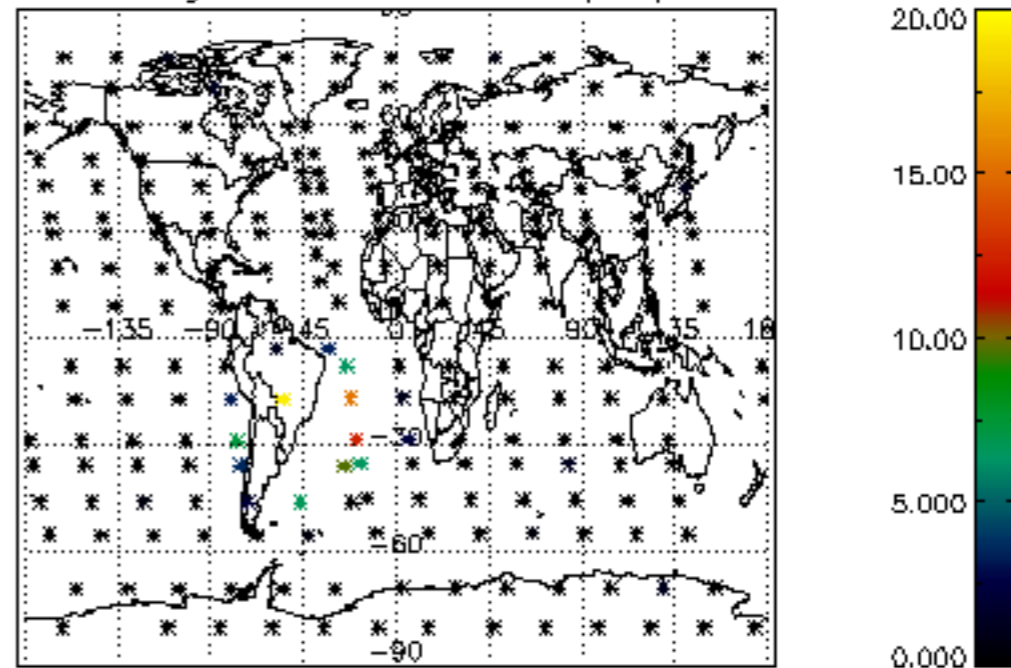
Percentage of datation errors per profile



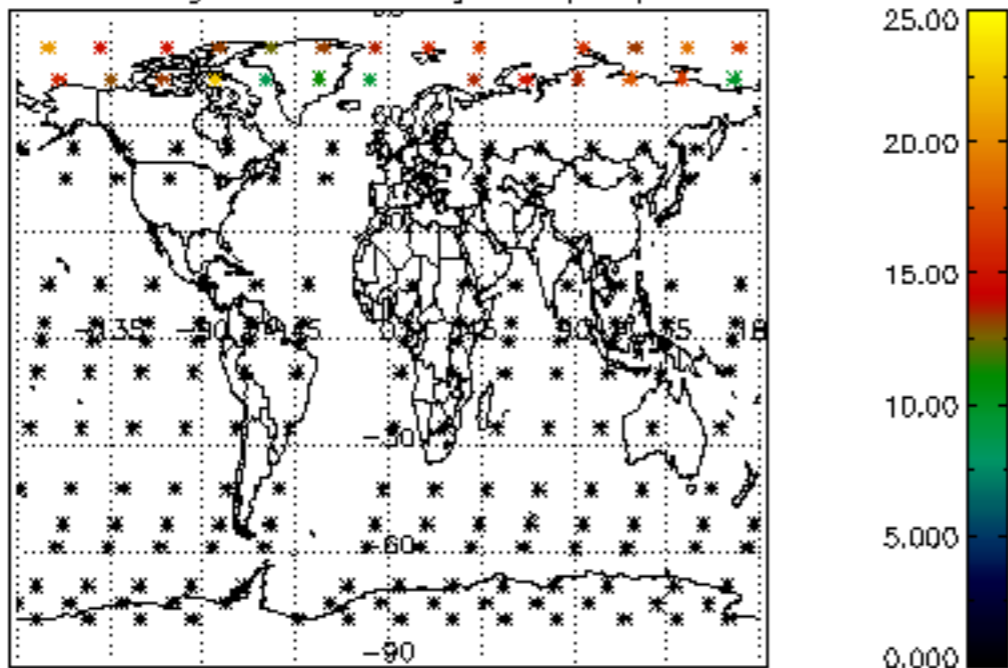
Percentage of star falling outside central band per profile



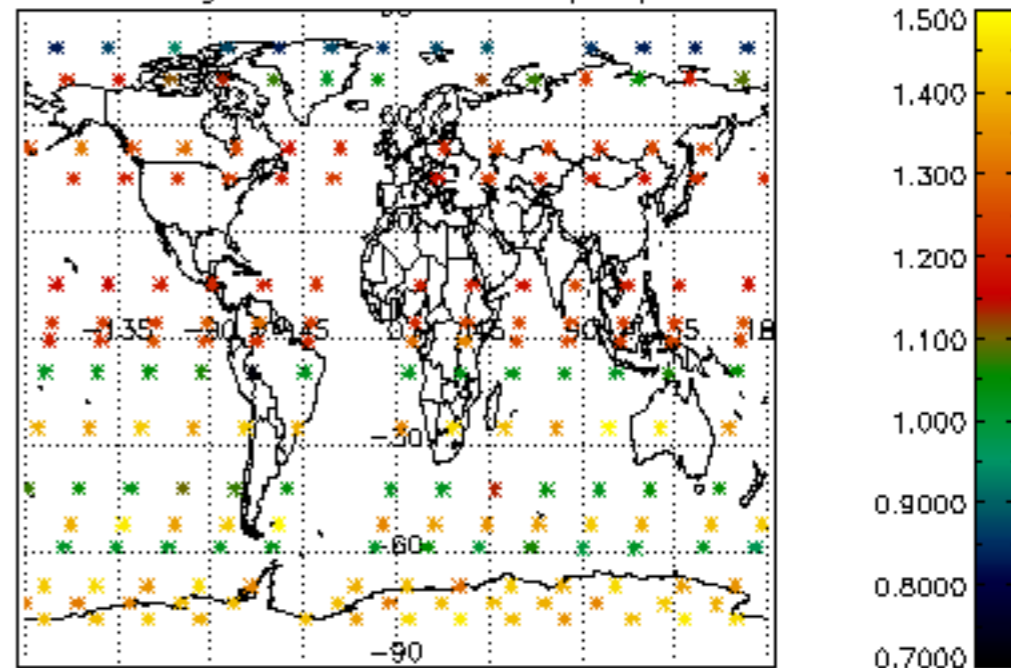
Percentage of saturation errors per profile



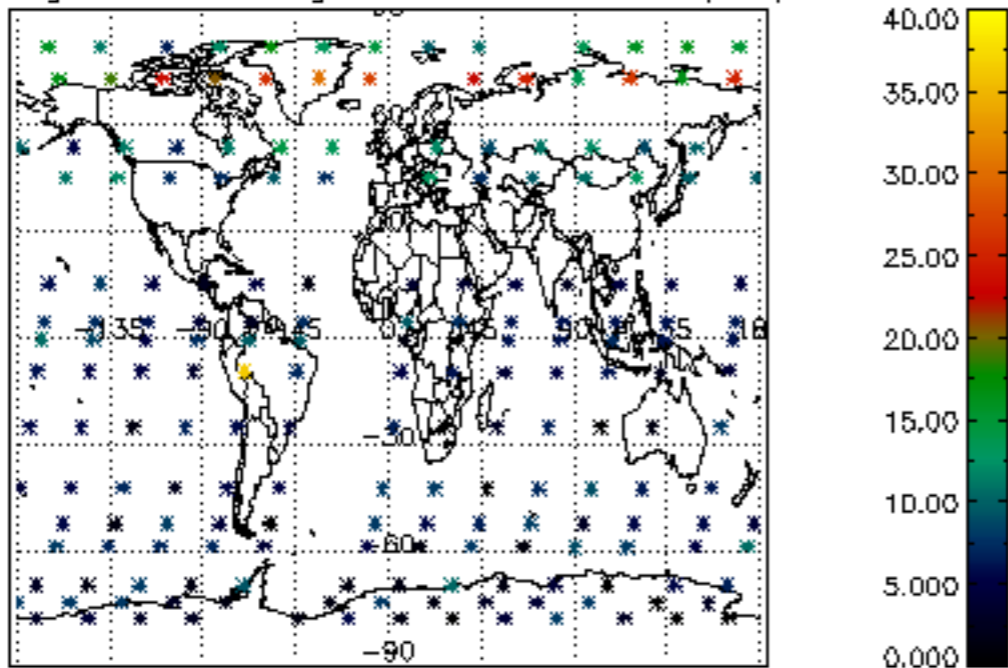
Percentage of cosmic ray hits per profile



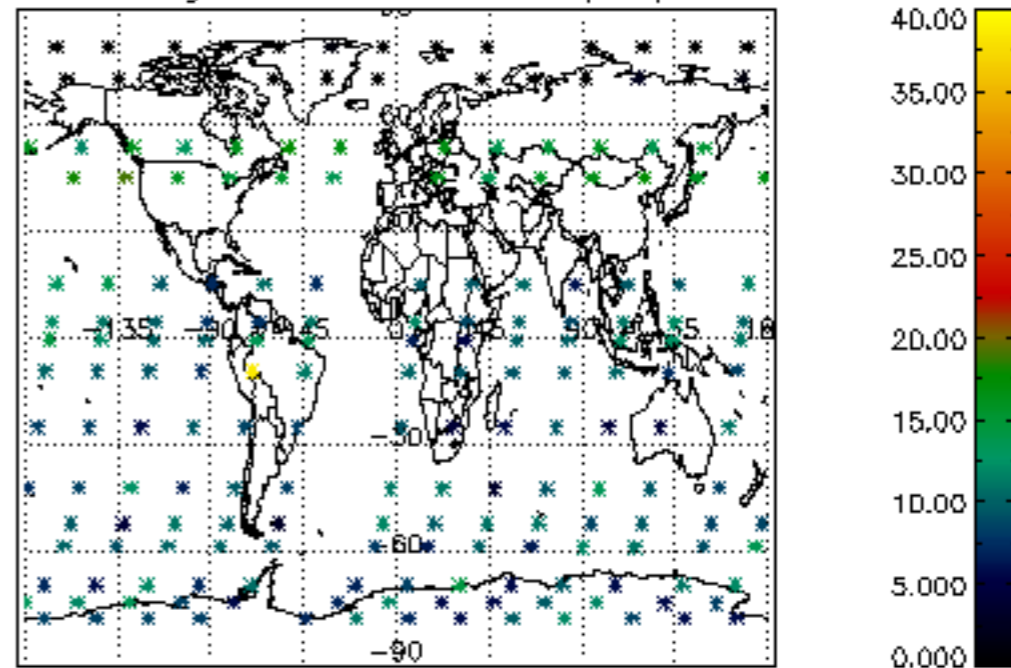
Percentage of datation errors per profile

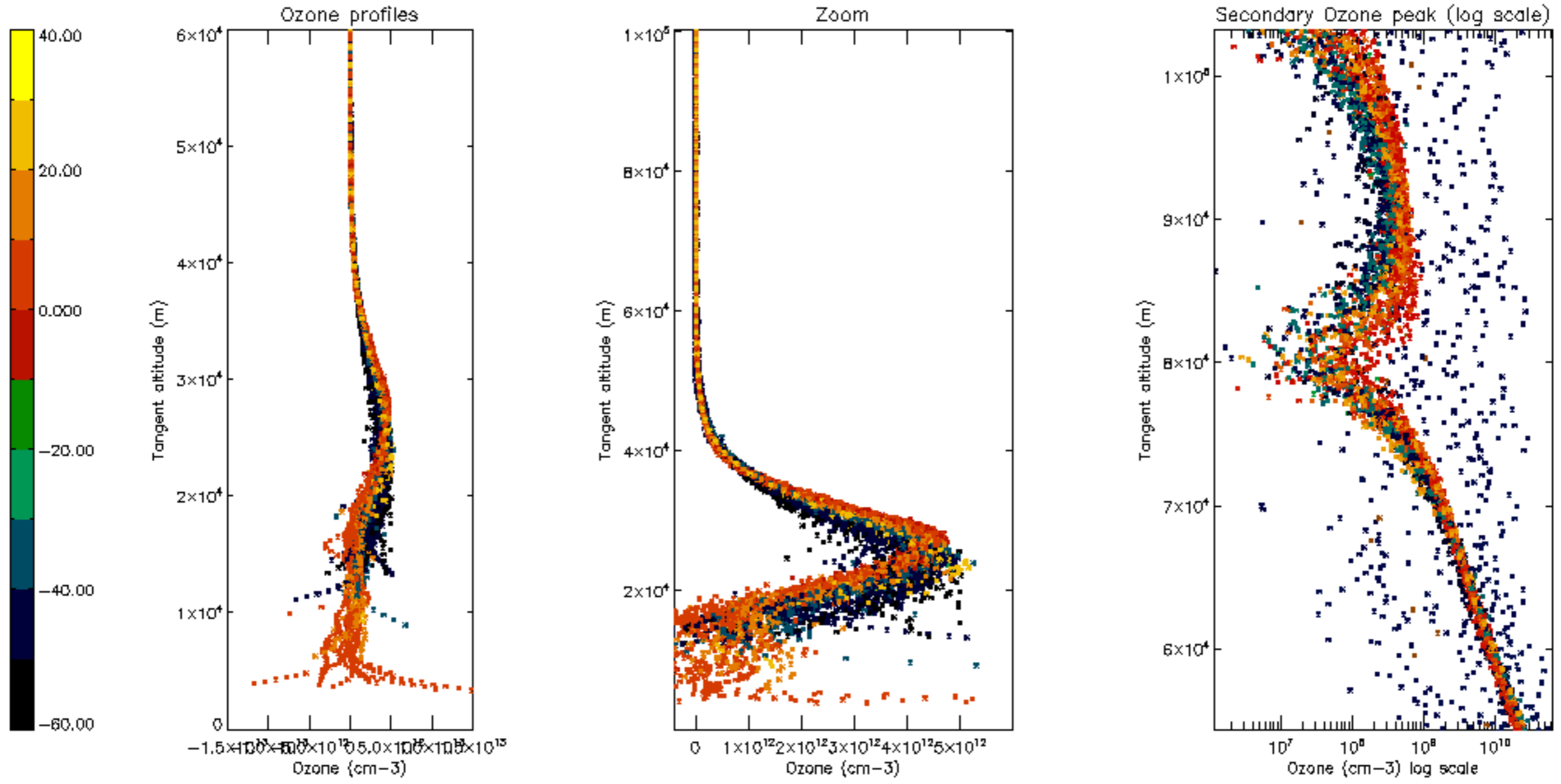


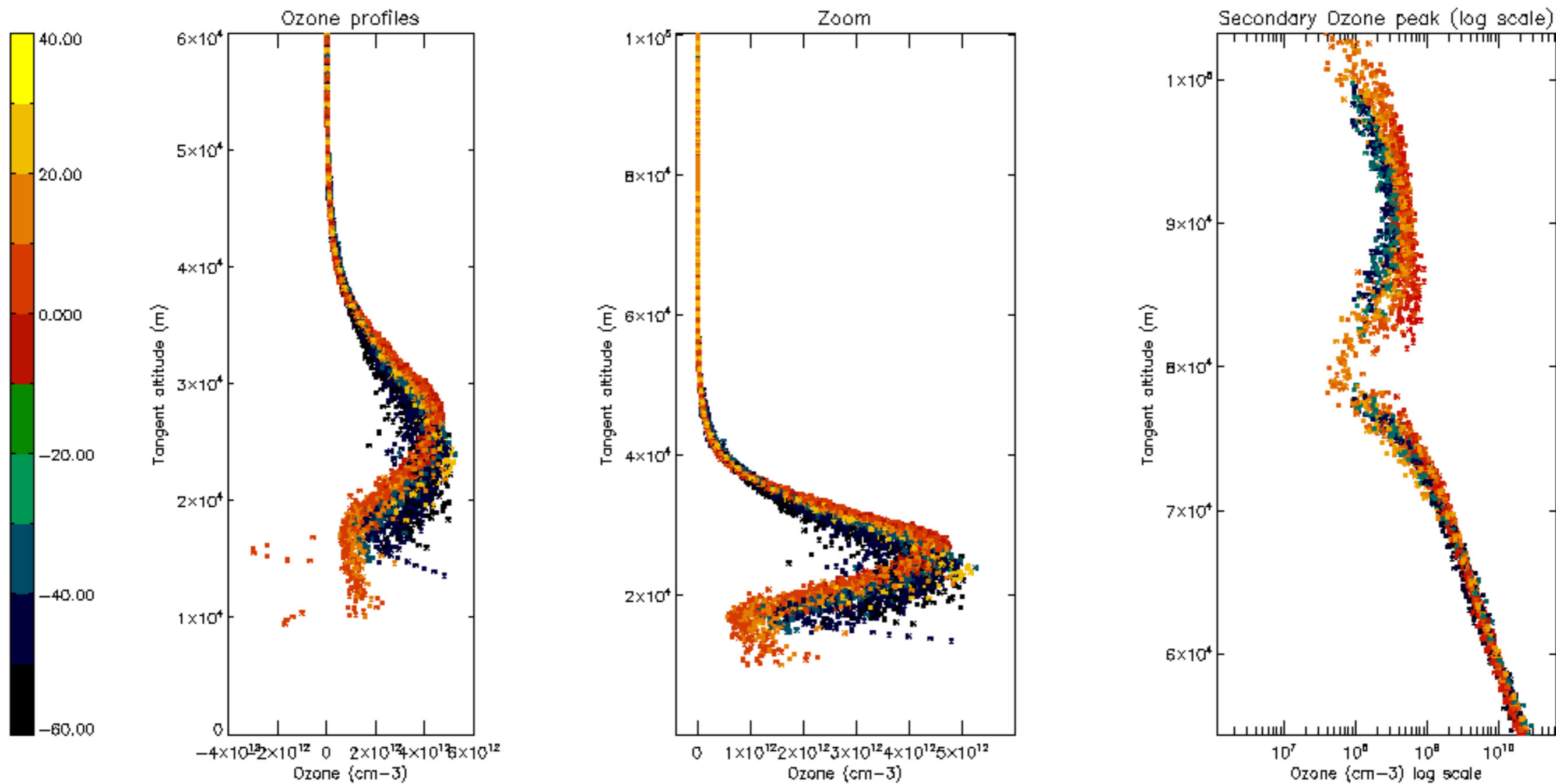
Percentage of star falling outside central band per profile

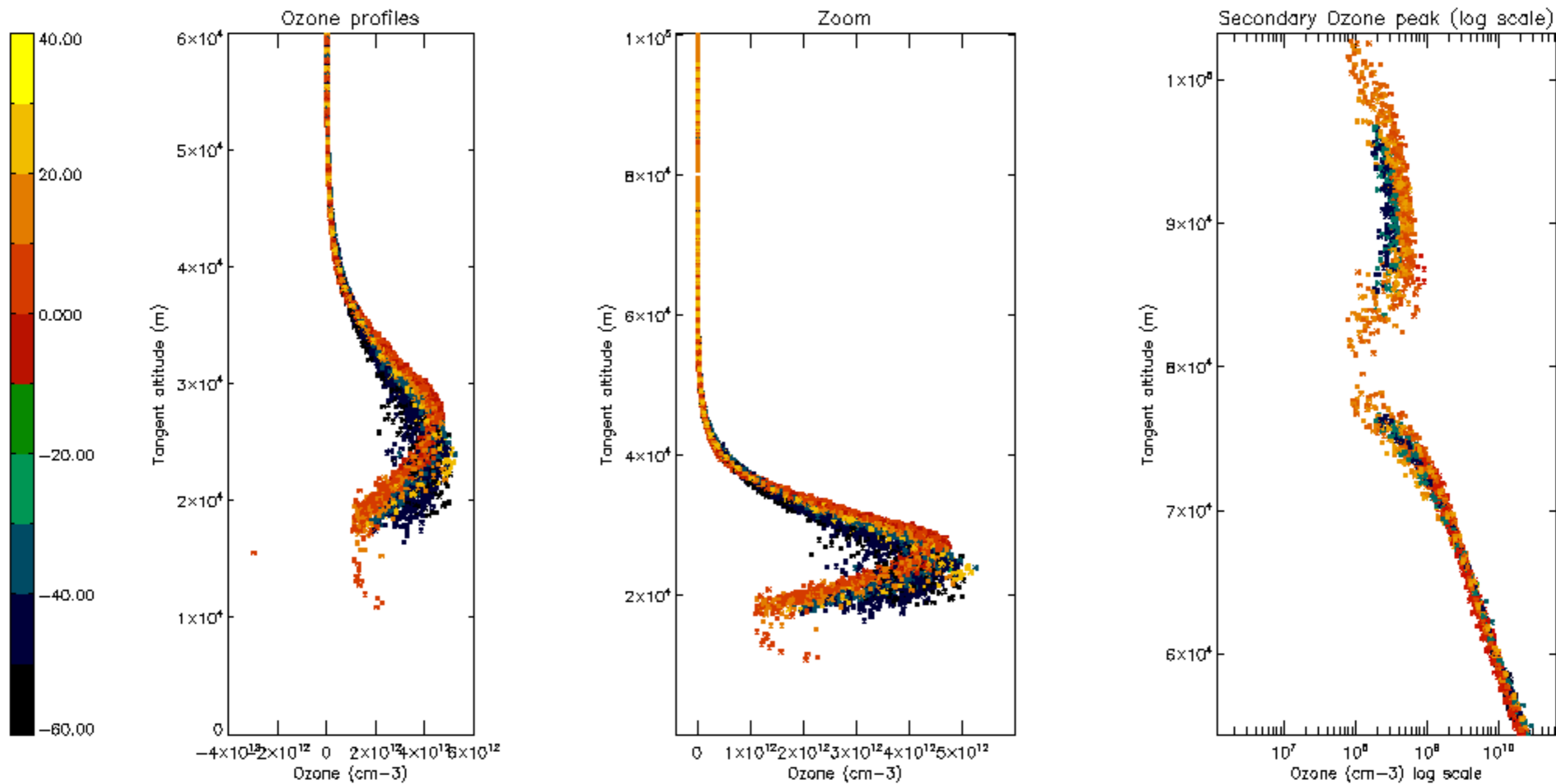


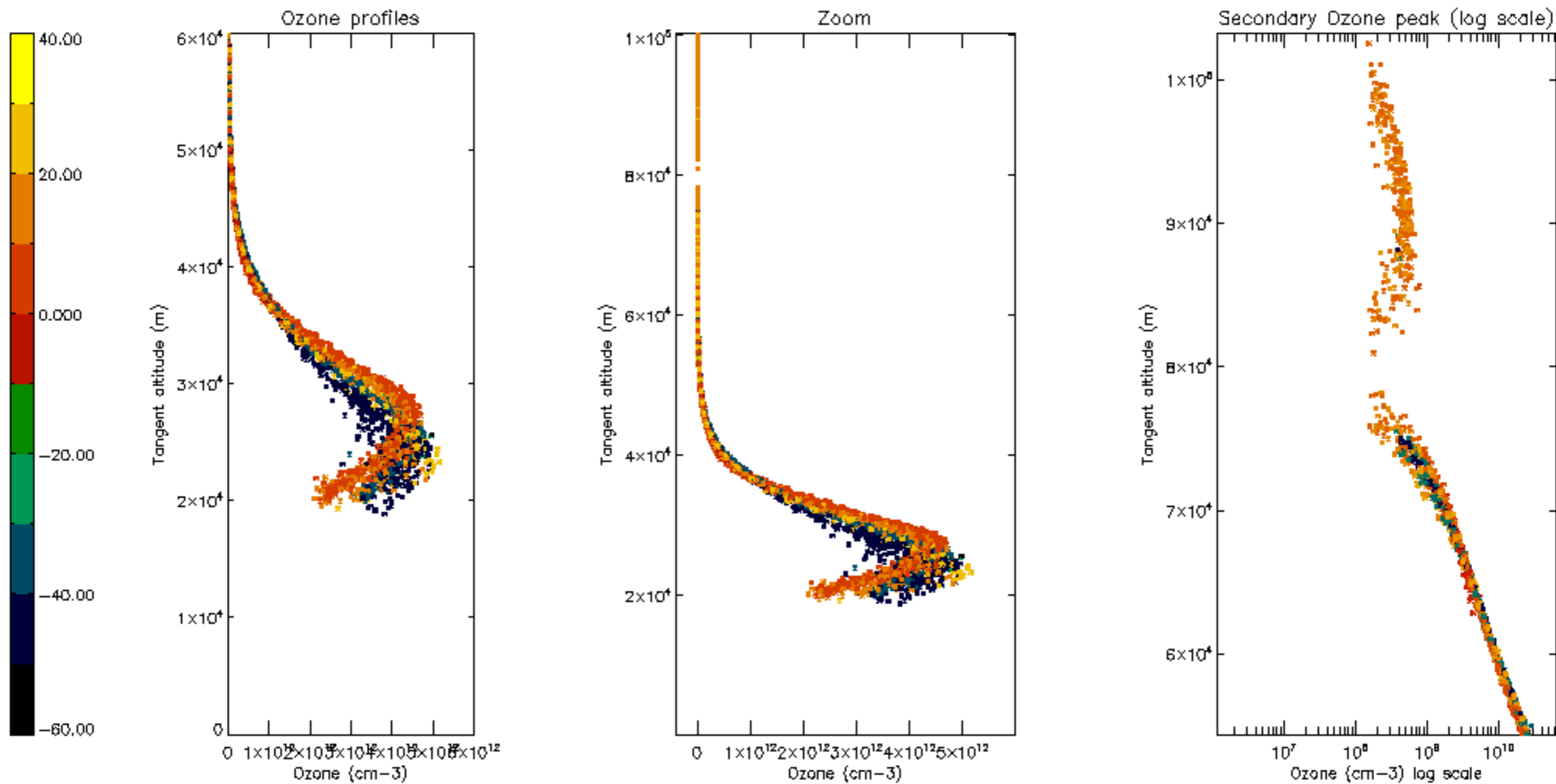
Percentage of saturation errors per profile

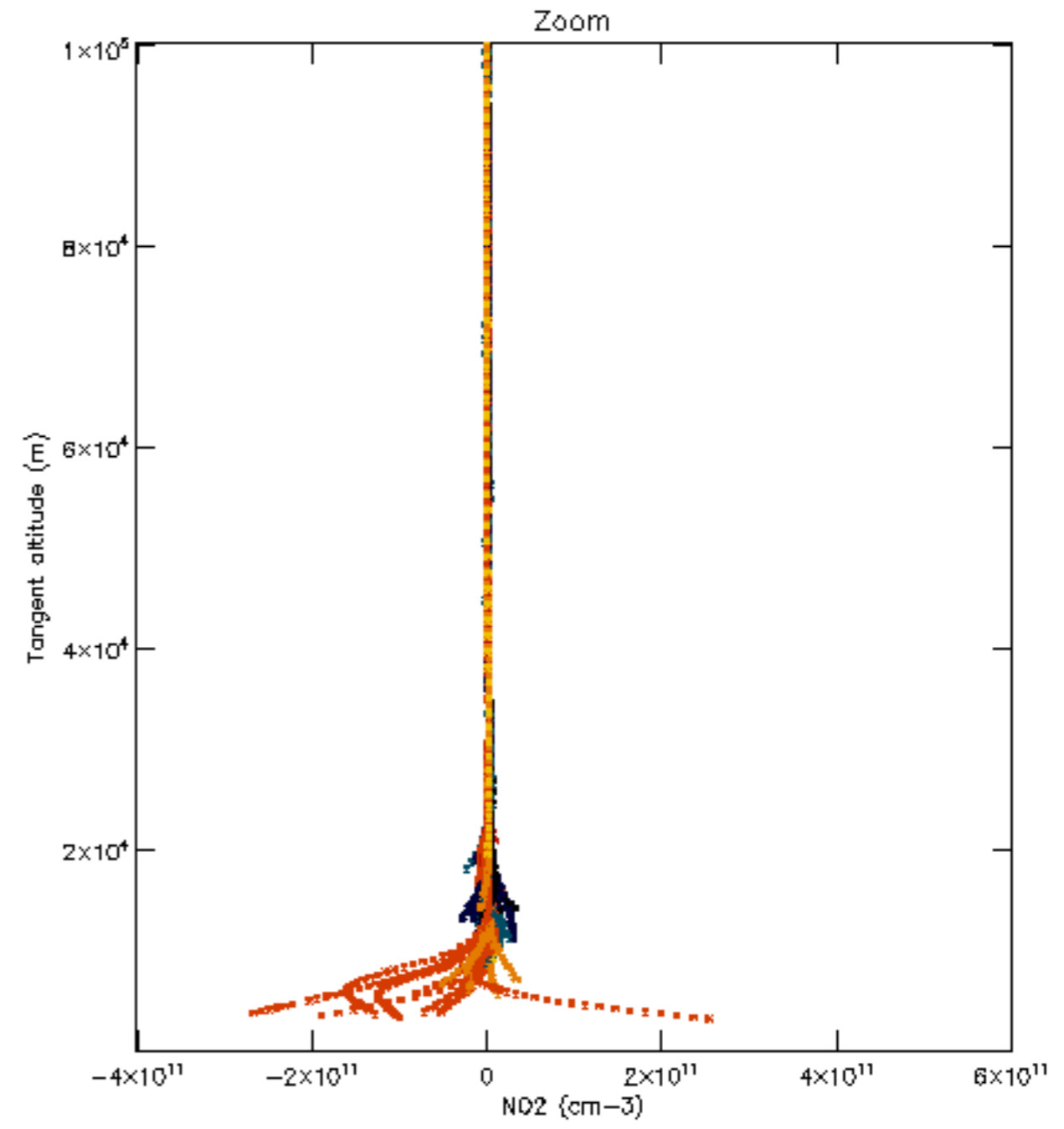
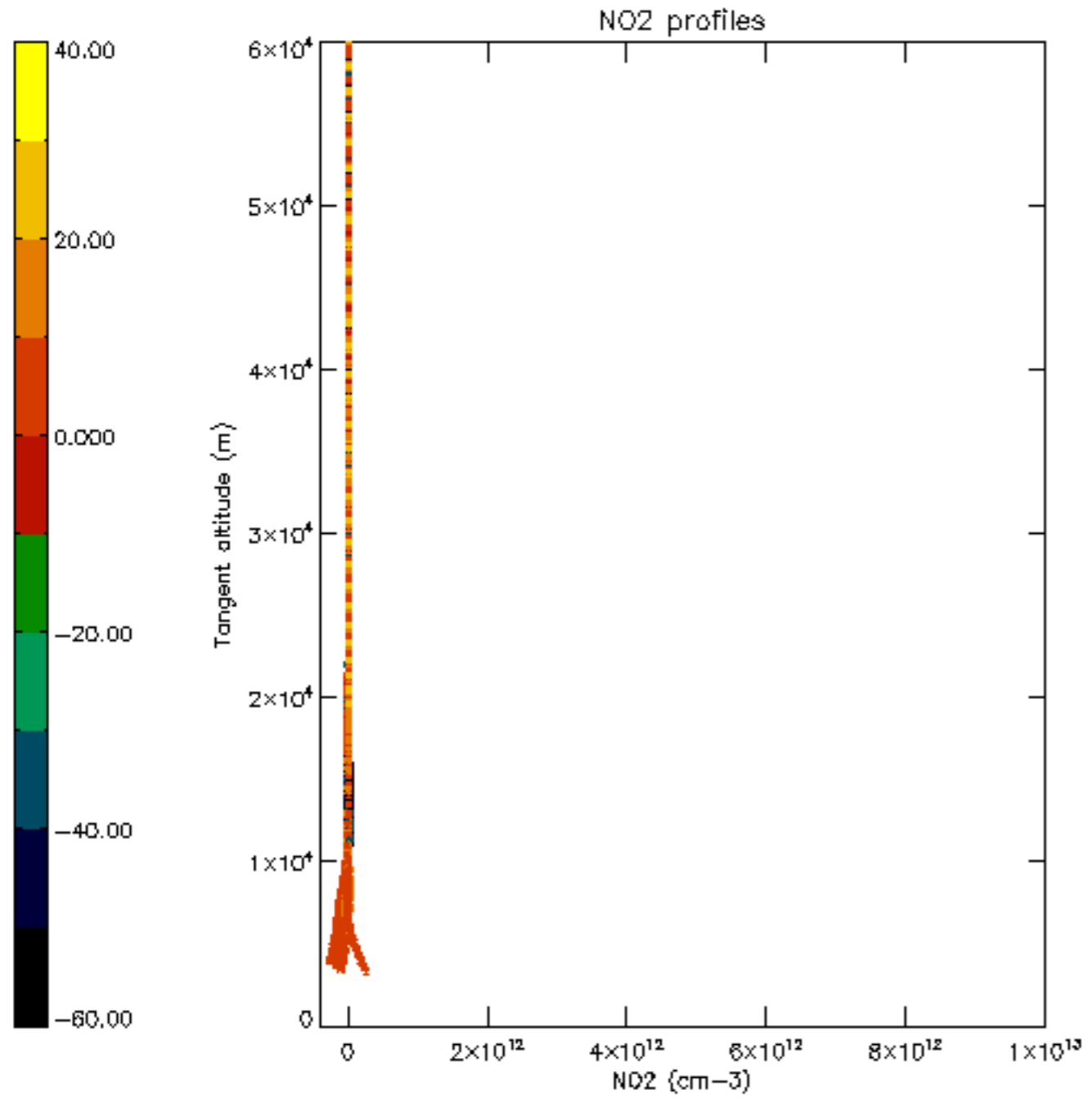


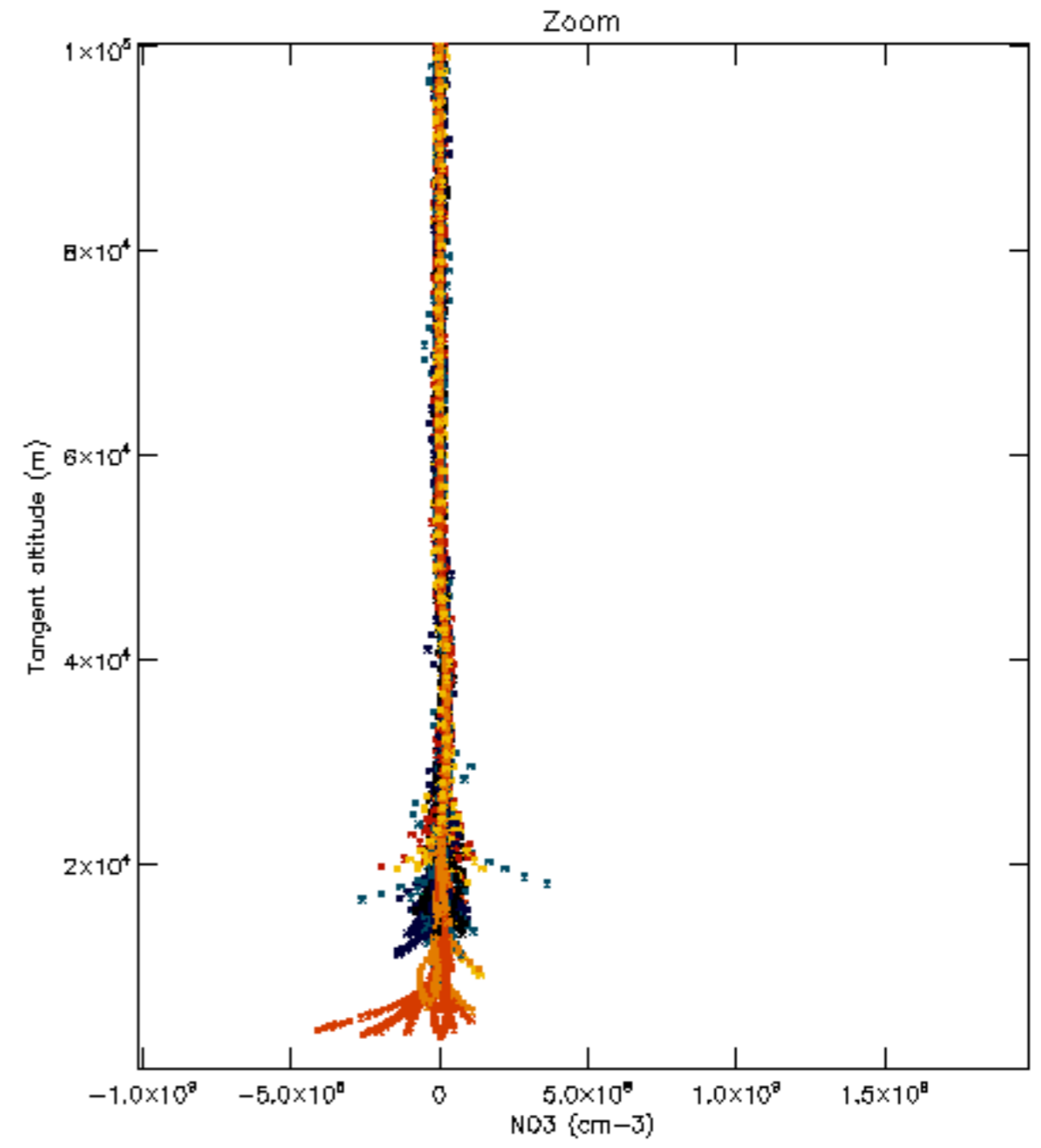
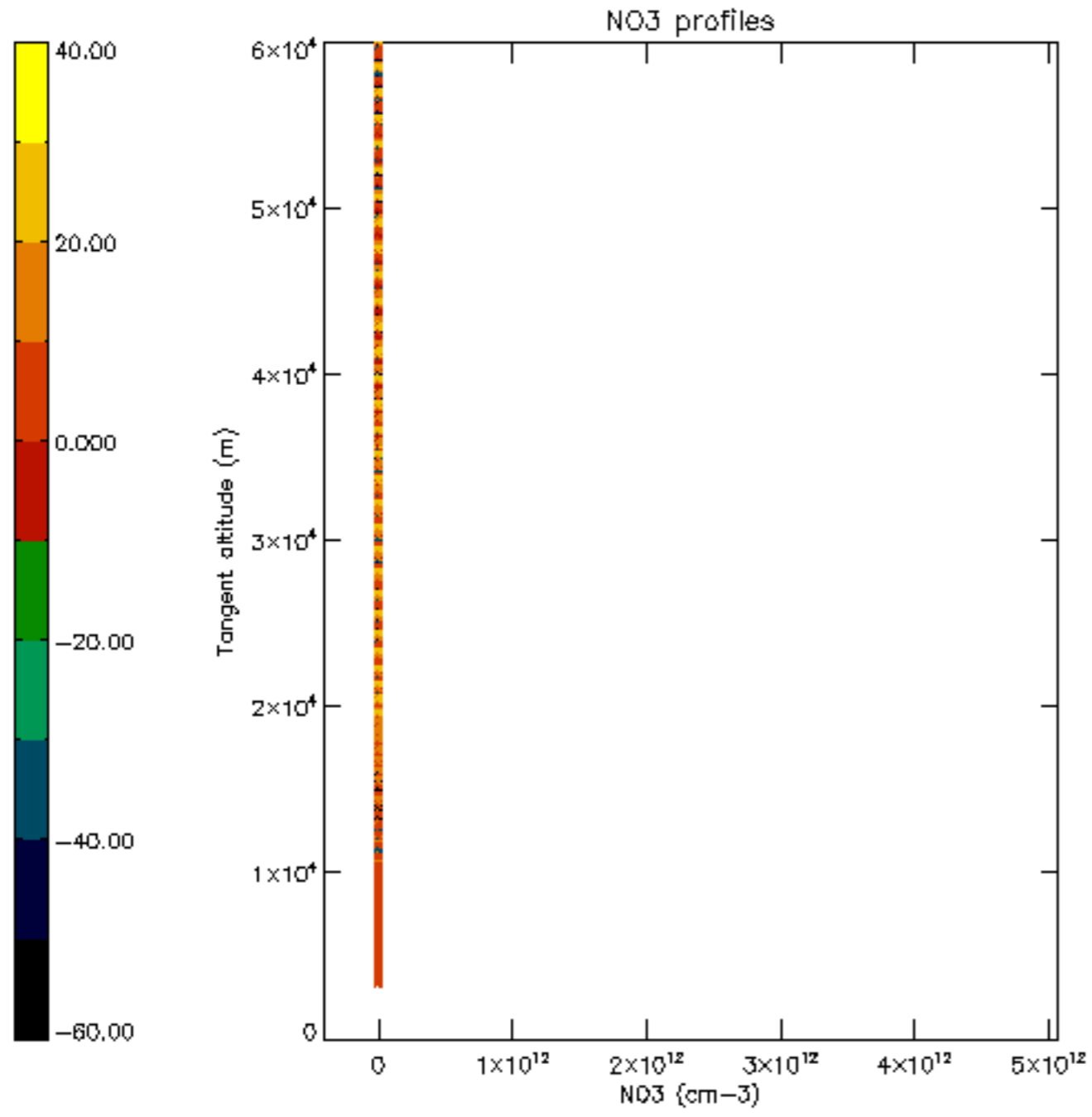


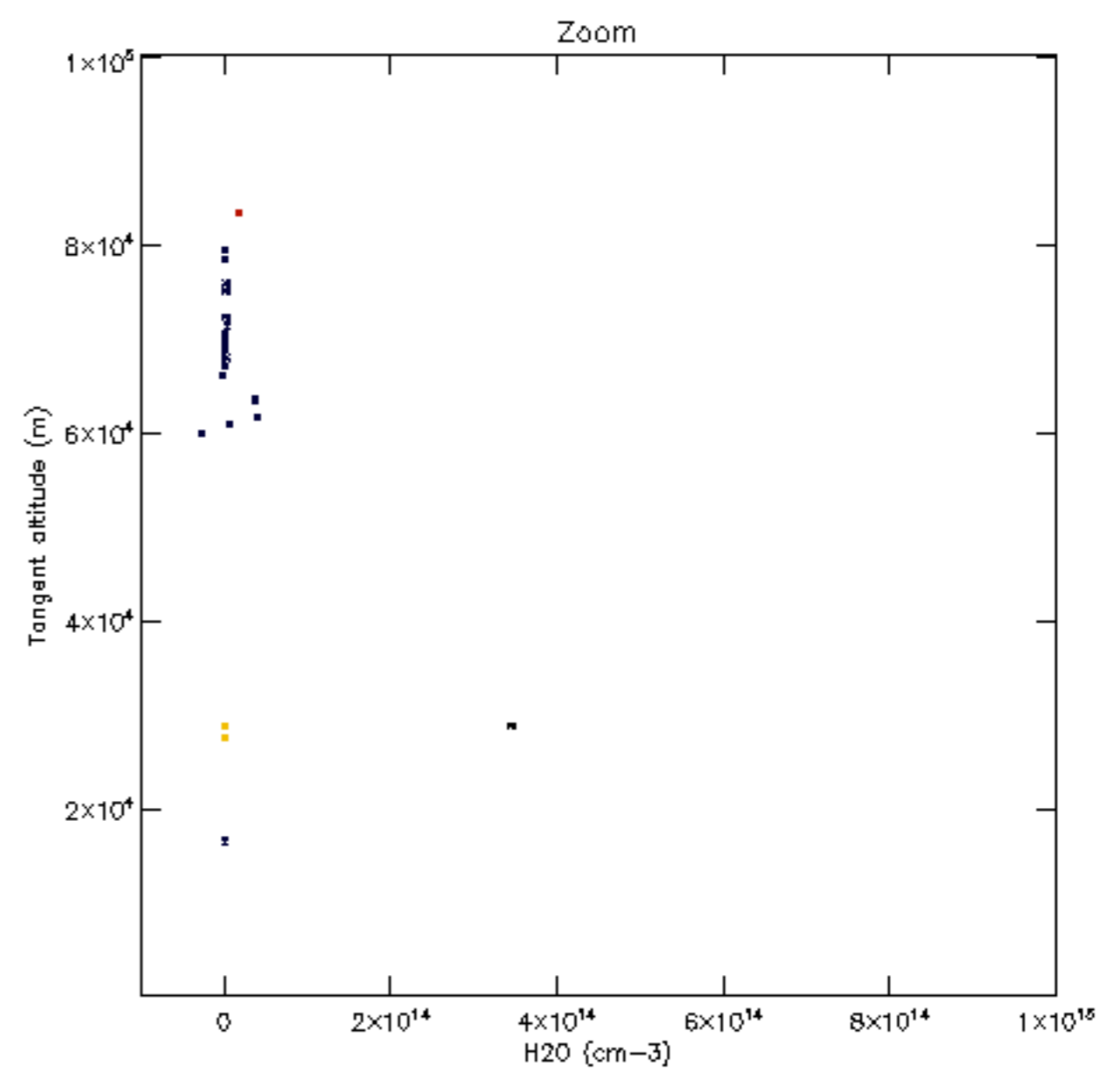
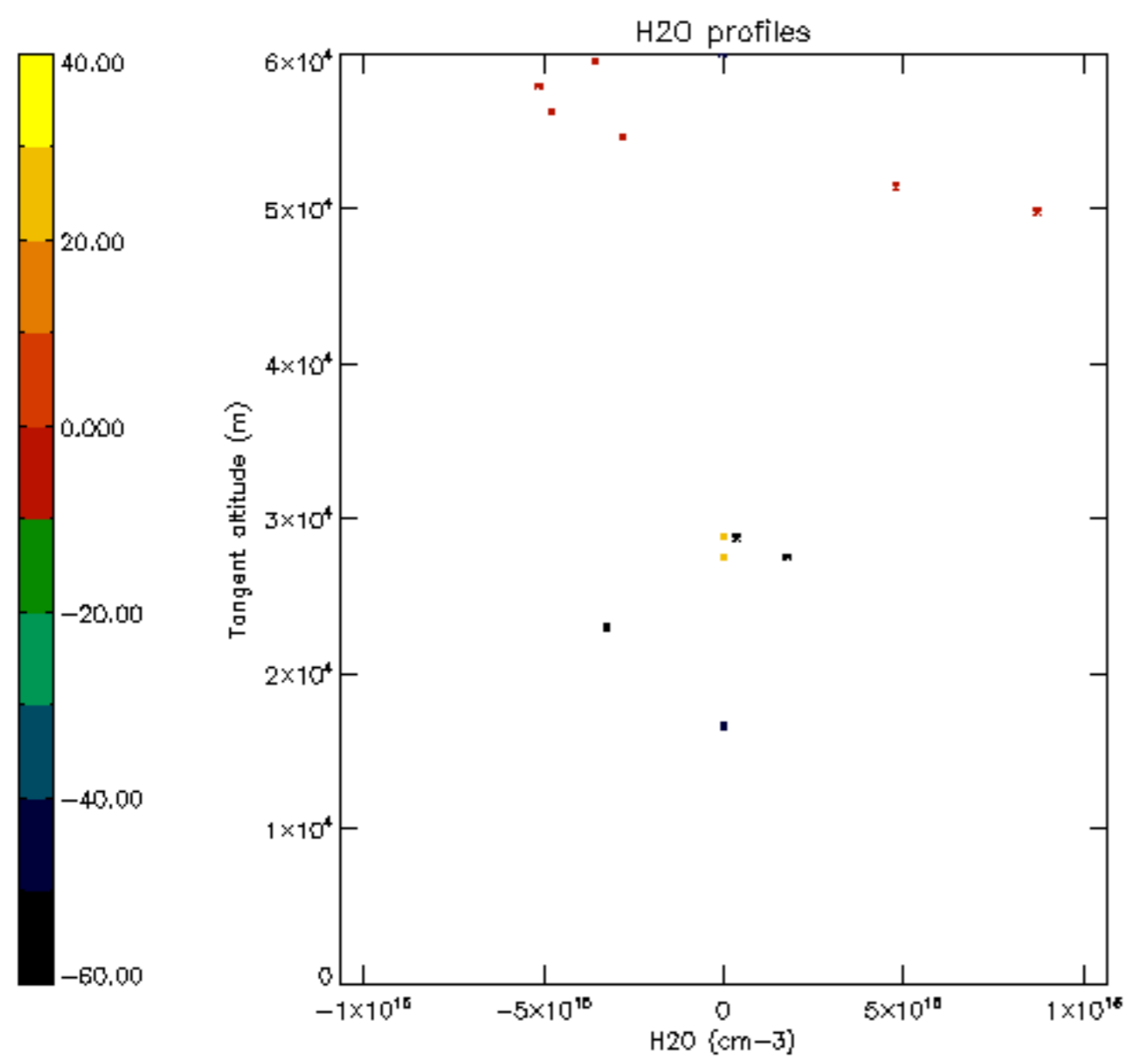


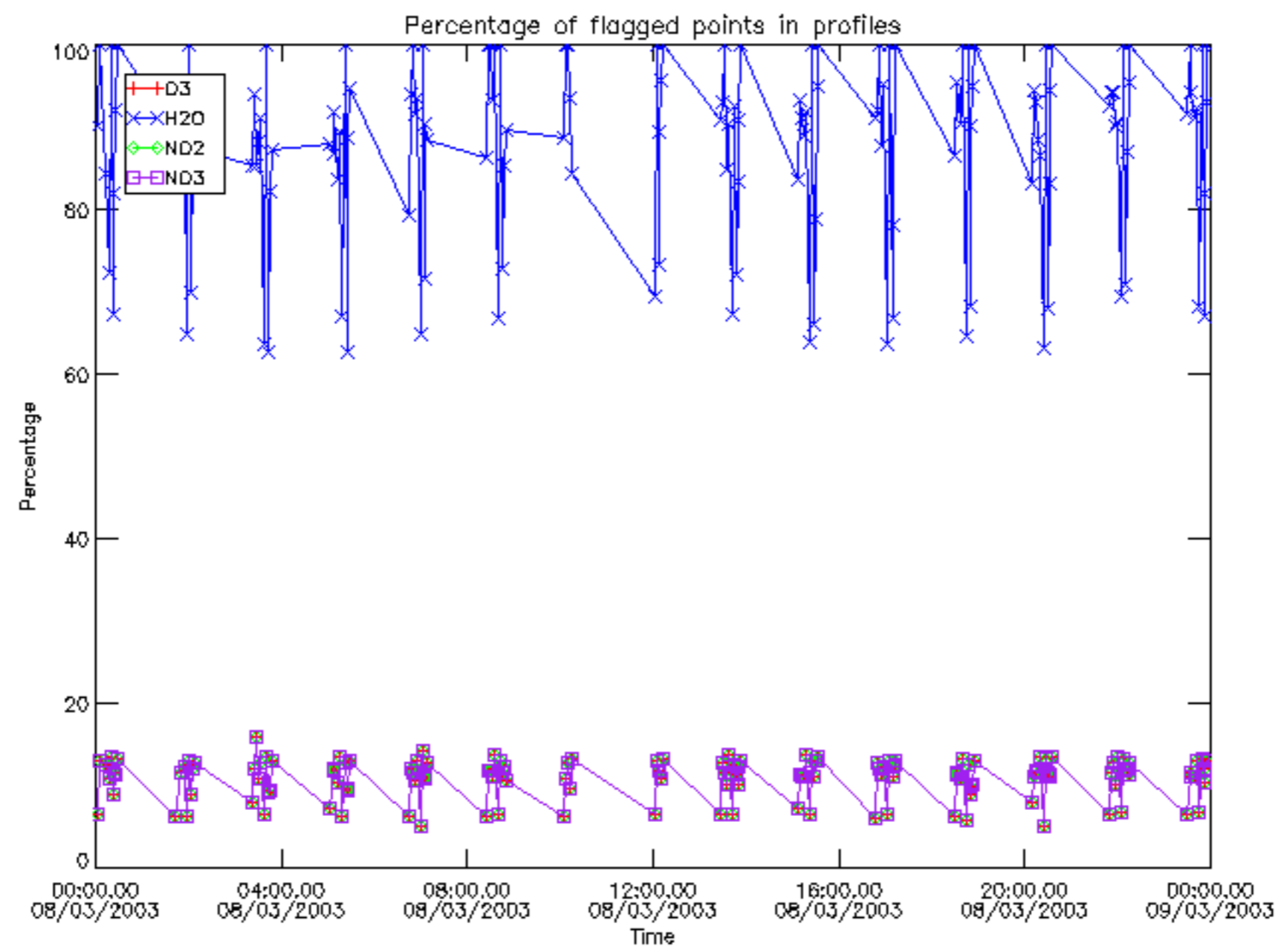




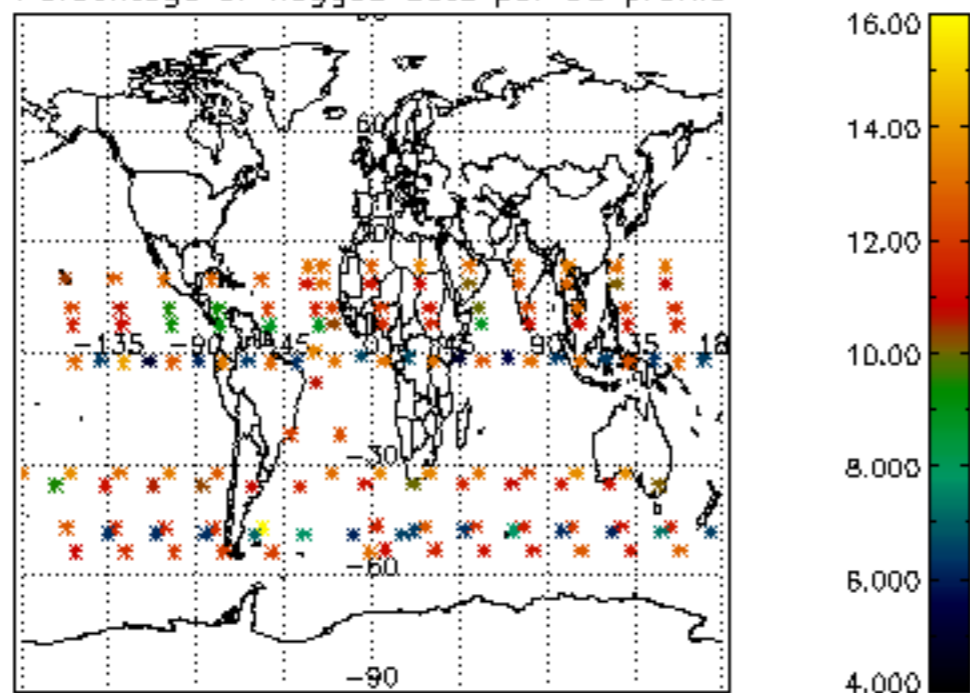




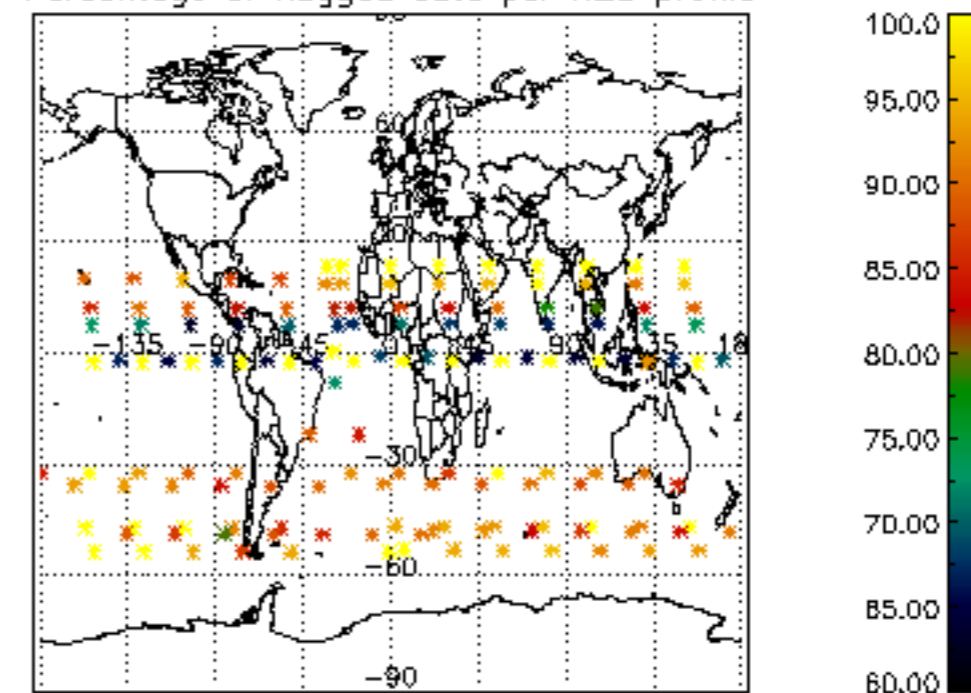




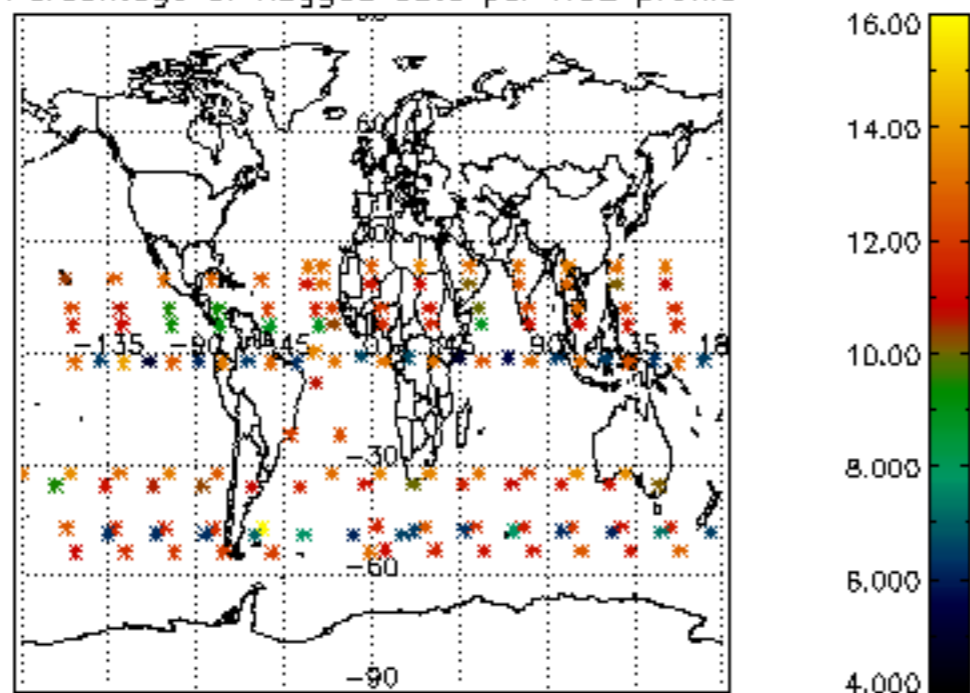
Percentage of flagged data per D3 profile



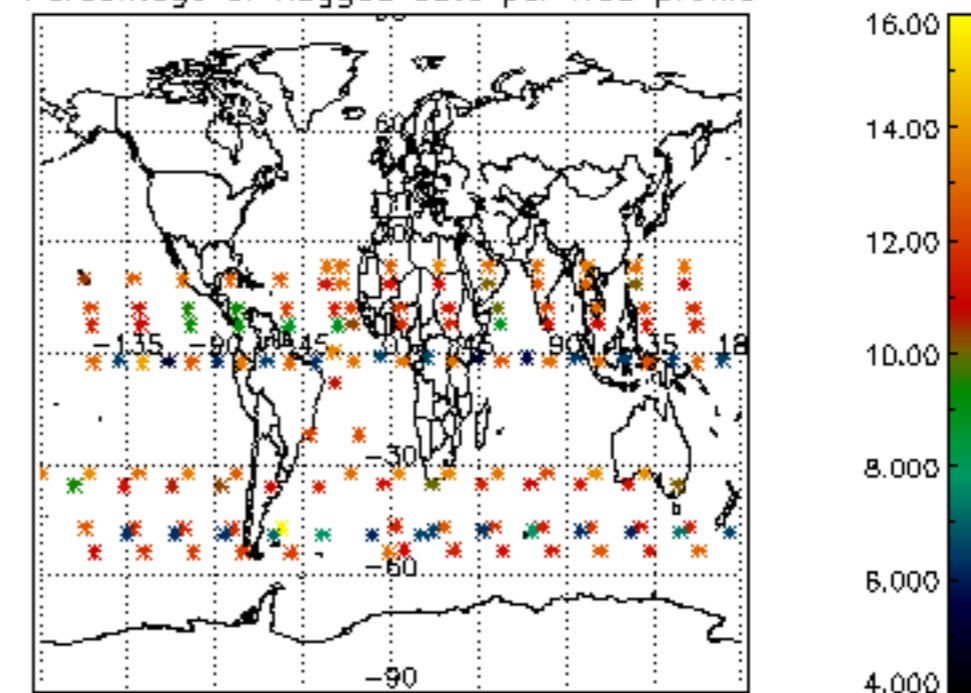
Percentage of flagged data per H2O profile

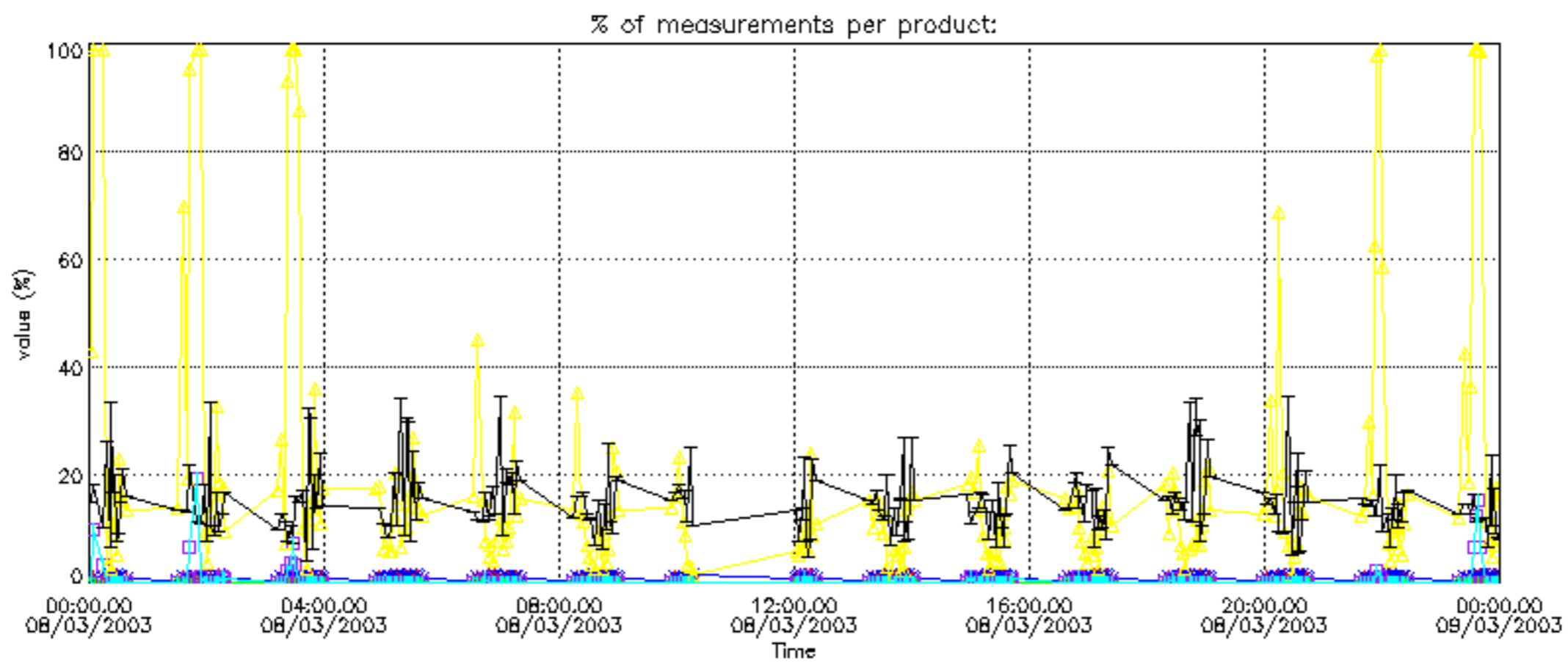


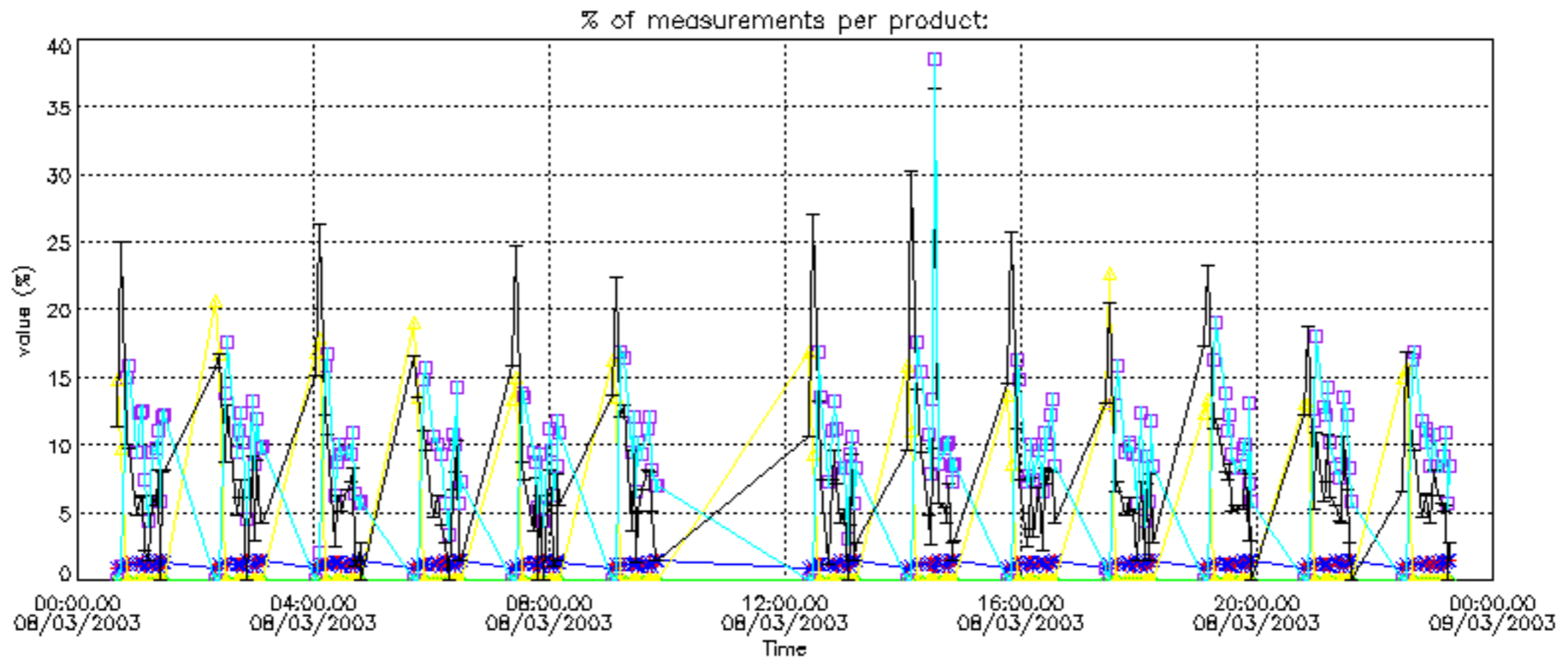
Percentage of flagged data per NO2 profile



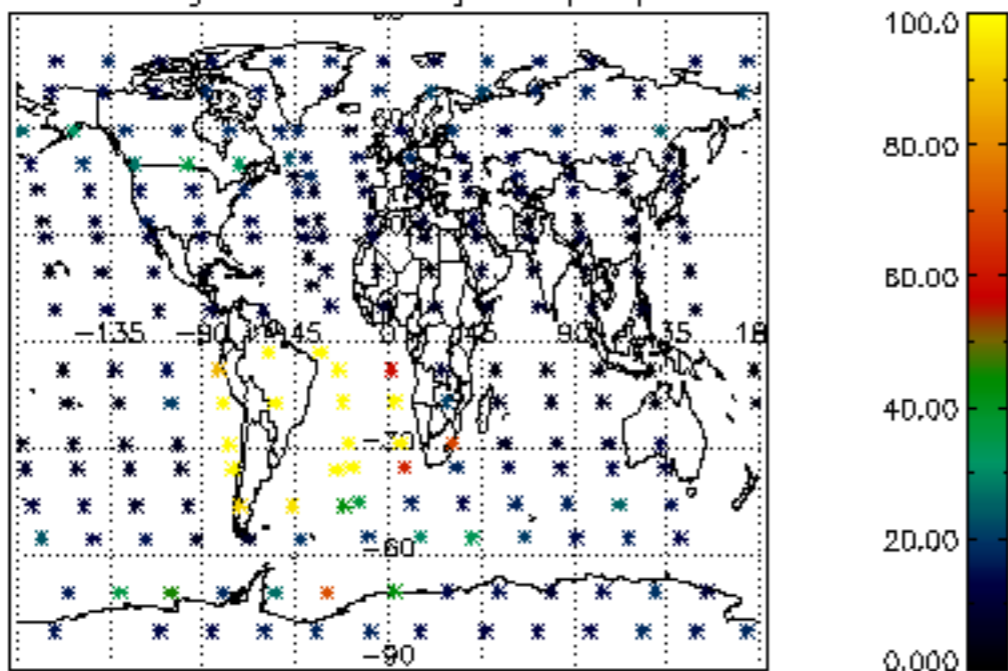
Percentage of flagged data per NO3 profile



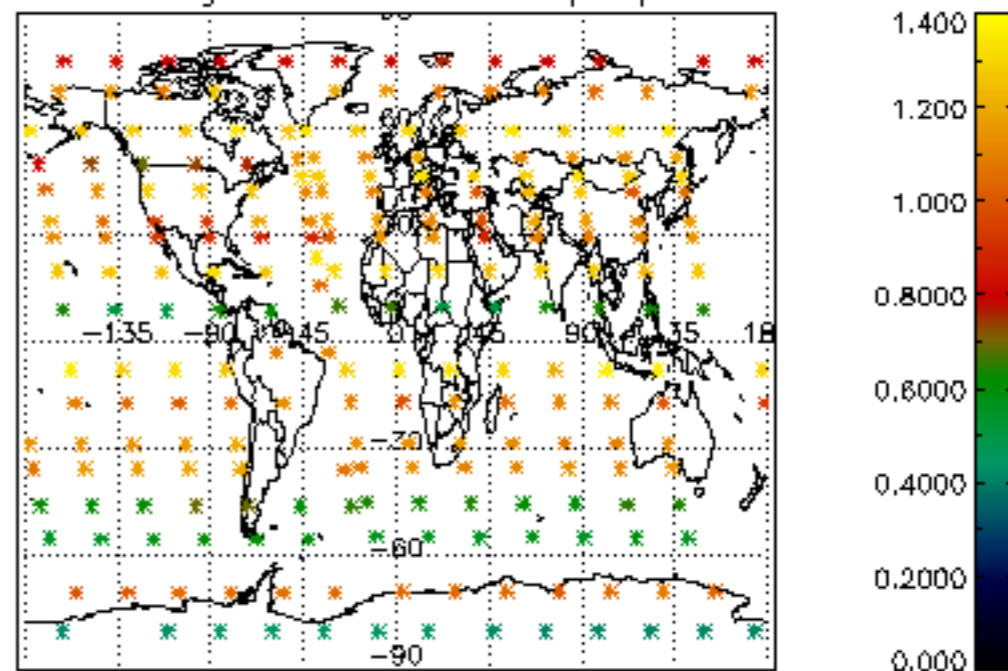




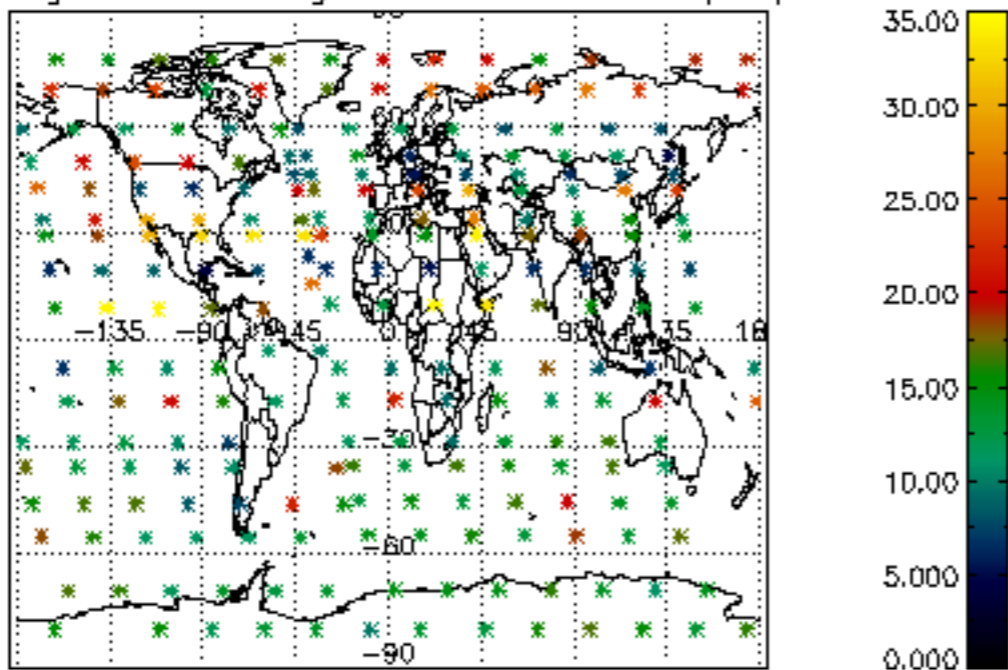
Percentage of cosmic ray hits per profile



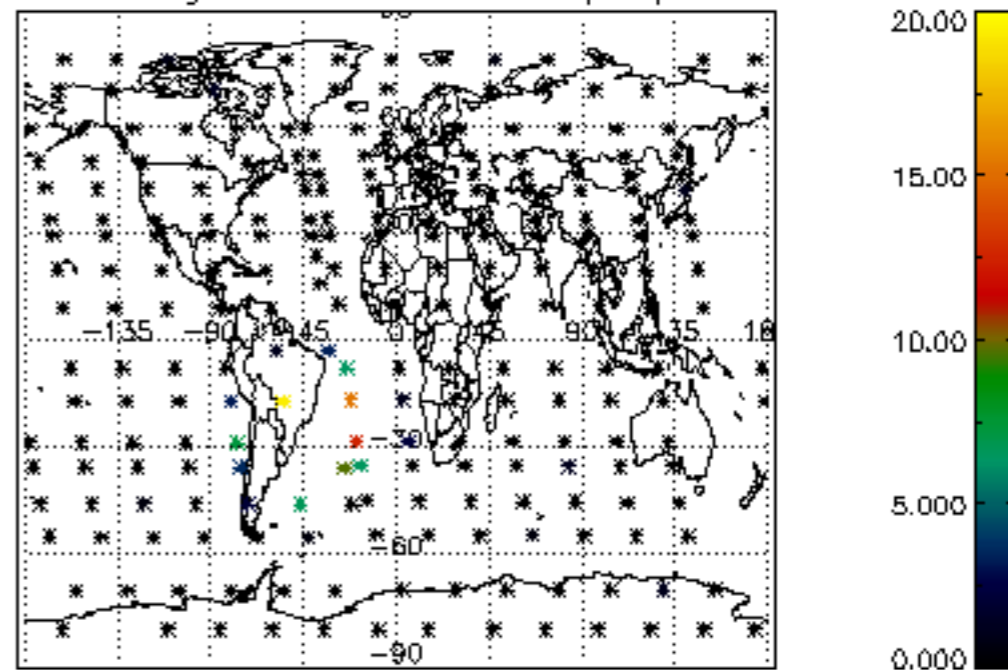
Percentage of datation errors per profile



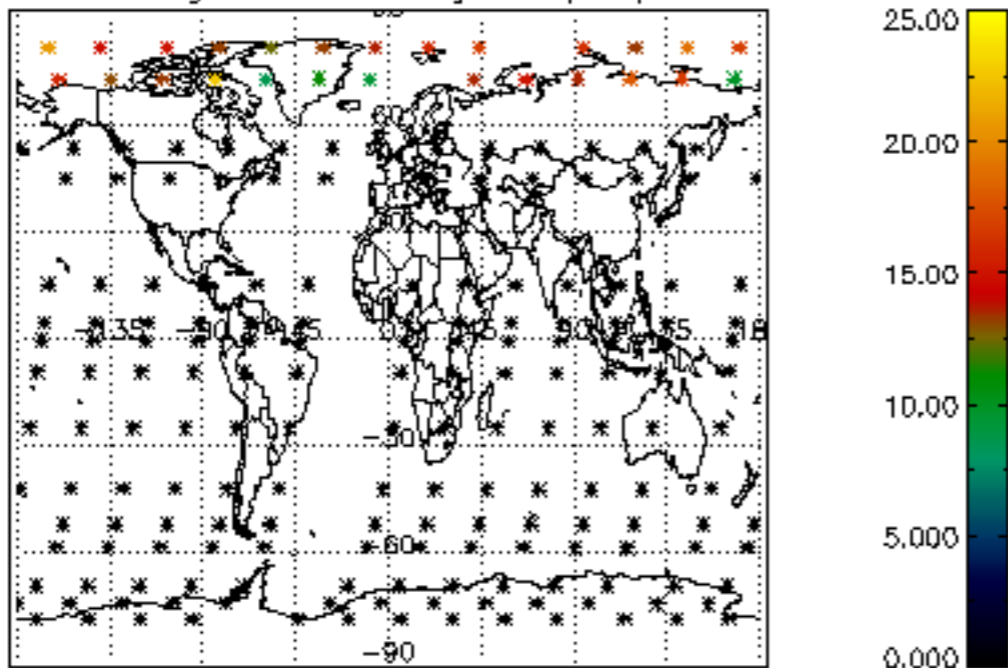
Percentage of star falling outside central band per profile



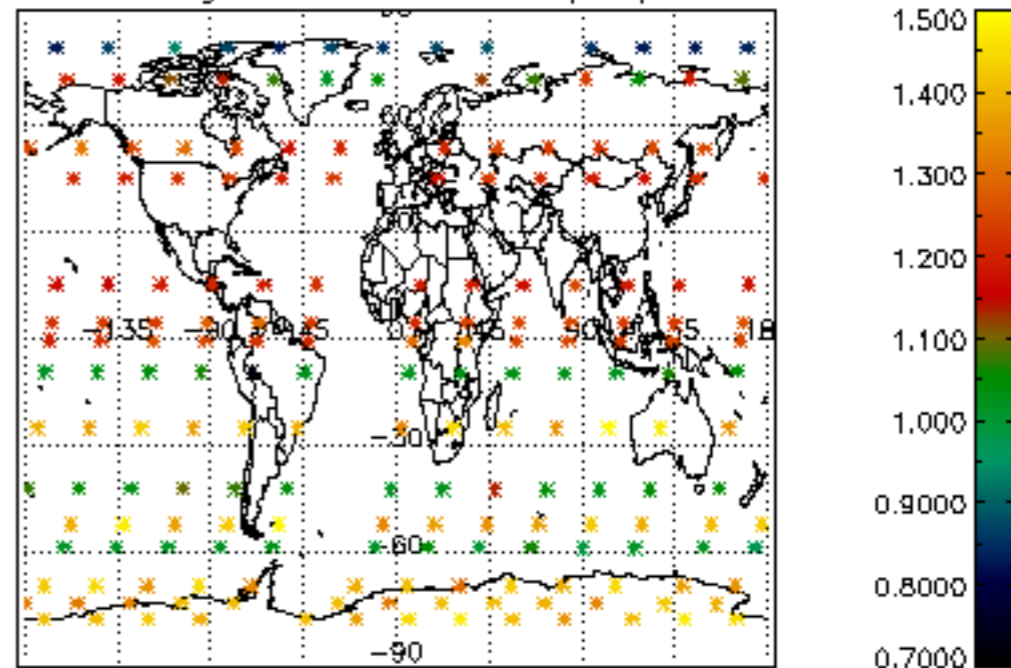
Percentage of saturation errors per profile



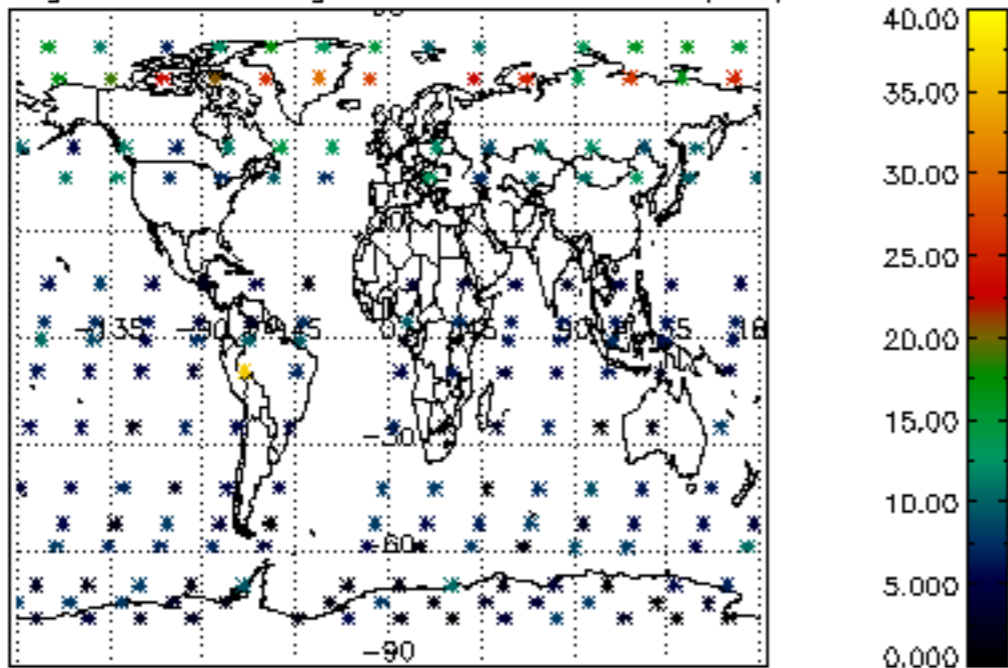
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

