

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	19APR2013 01:30:57
Data source version	GOMOS/6.01
Start time of products	08-05-2004 (08MAY2004 00:00:00)
Stop time of products	09-05-2004 (09MAY2004 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	206
Nb of prods with errors	1

2. Summary of processed GOM_NL__2P products.

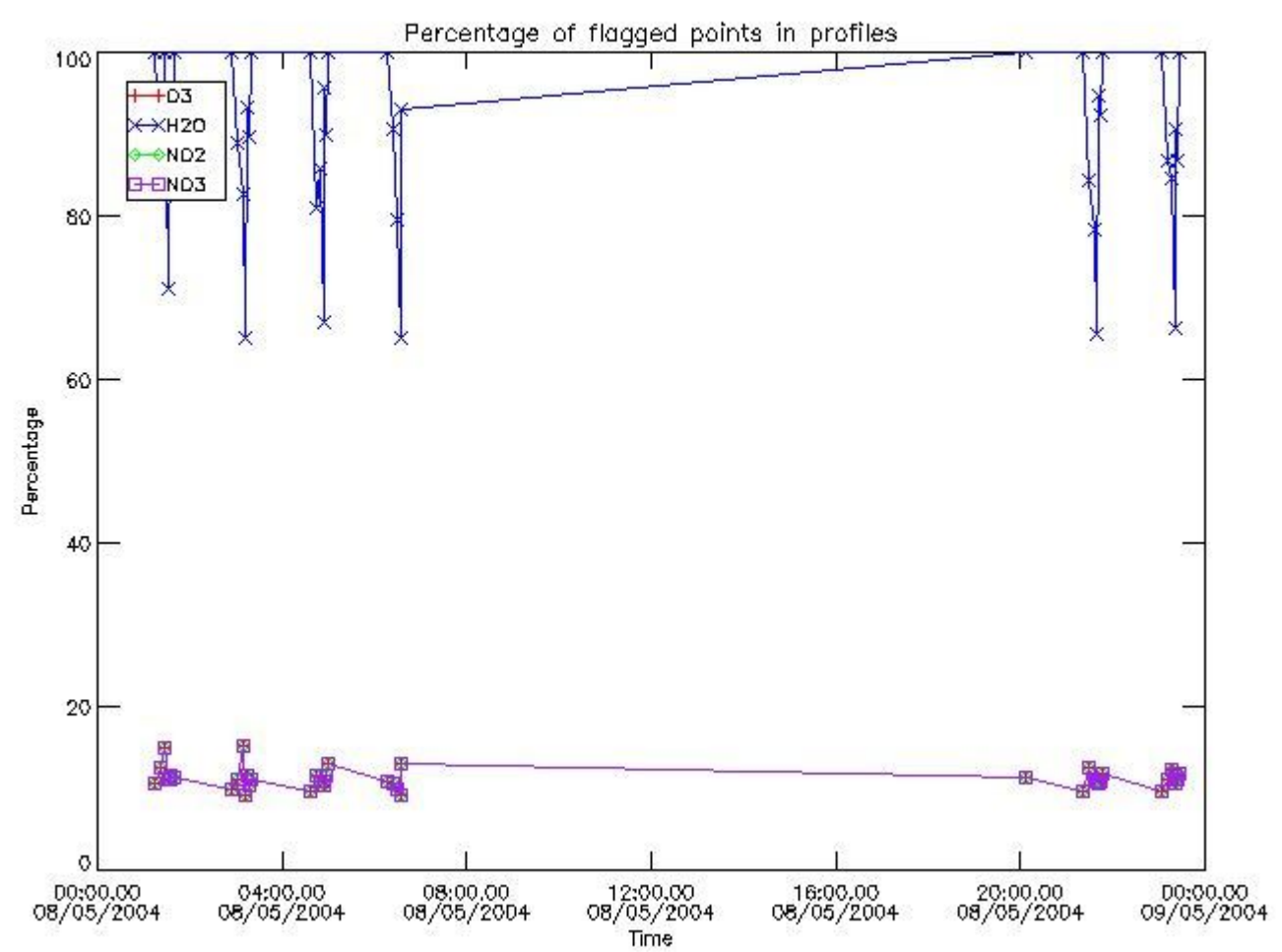
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20040508_000446_000000452026_00360_11436_2242.N1	08-MAY-2004 00:04:46	Straylight	45.000	43	Alp TrA	1.9100	4250.0	90	11436	No
2	GOM_NL__2PRFIN20040508_000621_000000402026_00360_11436_2243.N1	08-MAY-2004 00:06:21	Straylight	40.000	145	Gam TrA	2.8720	10600.	80	11436	No
3	GOM_NL__2PRFIN20040508_000849_000000522026_00360_11436_2244.N1	08-MAY-2004 00:08:49	Straylight	52.000	4	Alp1Cen	-0.010000	5800.0	104	11436	No
4	GOM_NL__2PRFIN20040508_001300_000000622026_00360_11436_2245.N1	08-MAY-2004 00:13:00	Straylight	62.000	75	26Eps Sco	2.2910	4250.0	124	11436	No
5	GOM_NL__2PRFIN20040508_001625_000000662026_00360_11436_2246.N1	08-MAY-2004 00:16:25	Twilight_and_stray	65.500	16	21Alp Sco	1.0200	3000.0	131	11436	No
6	GOM_NL__2PRFIN20040508_001822_000000572026_00360_11436_2247.N1	08-MAY-2004 00:18:22	Bright	57.000	80	7Del Sco	2.3160	30000.	114	11436	No
7	GOM_NL__2PRFIN20040508_002039_000000782026_00360_11436_2248.N1	08-MAY-2004 00:20:39	Bright	78.000	86	35Eta Oph	2.4300	10200.	156	11436	No
8	GOM_NL__2PRFIN20040508_002319_000000452026_00360_11436_2249.N1	08-MAY-2004 00:23:19	Bright	45.000	104	27Bet Lib	2.6140	13100.	90	11436	No
9	GOM_NL__2PRFIN20040508_002629_000000392026_00360_11436_2250.N1	08-MAY-2004 00:26:29	Bright	38.500	121	29Gam Vir	2.7400	7200.0	77	11436	No
10	GOM_NL__2PRFIN20040508_002939_000000382026_00360_11436_2251.N1	08-MAY-2004 00:29:39	Bright	37.500	138	47Eps Vir	2.8280	4700.0	75	11436	No
11	GOM_NL__2PRFIN20040508_003135_000000382026_00360_11436_2252.N1	08-MAY-2004 00:31:35	Bright	37.500	111	8Eta Boo	2.6800	6000.0	75	11436	No
12	GOM_NL__2PRFIN20040508_003444_000000442026_00360_11436_2253.N1	08-MAY-2004 00:34:44	Bright	44.000	83		2.3780	11000.	88	11436	No
13	GOM_NL__2PRFIN20040508_003715_000000392026_00360_11436_2254.N1	08-MAY-2004 00:37:15	Bright	38.500	152	12Alp2CVn	2.8900	11000.	77	11436	No
14	GOM_NL__2PRFIN20040508_004025_000000392026_00360_11436_2255.N1	08-MAY-2004 00:40:25	Bright	38.500	39	85Eta UMa	1.8540	24000.	77	11436	No
15	GOM_NL__2PRFIN20040508_004154_000000362026_00360_11436_2256.N1	08-MAY-2004 00:41:54	Bright	36.000	55	79Zet UMa	2.0600	10200.	72	11436	No
16	GOM_NL__2PRFIN20040508_004344_000000382026_00360_11436_2257.N1	08-MAY-2004 00:43:44	Bright	38.000	82	48Bet UMa	2.3650	10600.	76	11436	No
17	GOM_NL__2PRFIN20040508_004457_000000402026_00360_11436_2258.N1	08-MAY-2004 00:44:57	Bright	39.500	36	50Alp UMa	1.8000	6300.0	79	11436	No
18	GOM_NL__2PRFIN20040508_004702_000000452026_00360_11436_2259.N1	08-MAY-2004 00:47:02	Bright	44.500	119	14Eta Dra	2.7270	4700.0	89	11436	No
19	GOM_NL__2PRFIN20040508_004900_000000532026_00360_11436_2260.N1	08-MAY-2004 00:49:00	Bright	52.500	130	23Bet Dra	2.7990	5800.0	105	11436	No
20	GOM_NL__2PRFIN20040508_005158_000000372026_00360_11436_2261.N1	08-MAY-2004 00:51:58	Bright	37.000	49	1Alp UMi	1.9900	6300.0	74	11436	No
21	GOM_NL__2PRFIN20040508_005747_000000452026_00360_11436_2262.N1	08-MAY-2004 00:57:47	Bright	45.000	89	5Alp Cep	2.4510	8000.0	90	11436	No
22	GOM_NL__2PRFIN20040508_010006_000000382026_00360_11436_2263.N1	08-MAY-2004 01:00:06	Bright	37.500	76	27Gam Cas	2.3000	30000.	75	11436	No
23	GOM_NL__2PRFIN20040508_010120_000000382026_00360_11436_2264.N1	08-MAY-2004 01:01:20	Bright	38.000	68	18Alp Cas	2.2250	4500.0	76	11436	No
24	GOM_NL__2PRFIN20040508_010445_000000912026_00360_11436_2265.N1	08-MAY-2004 01:04:45	Bright	91.000	66	37Gam Cyg	2.2080	5900.0	182	11436	No
25	GOM_NL__2PRFIN20040508_010914_000001032026_00360_11436_2266.N1	08-MAY-2004 01:09:14	Twilight_and_stray	103.00	92	53Eps Cyg	2.5000	4500.0	206	11436	No
26	GOM_NL__2PRFIN20040508_011445_000000532026_00360_11436_2267.N1	08-MAY-2004 01:14:45	Dark	52.500	90	54Alp Peg	2.4870	11000.	105	11436	No
27	GOM_NL__2PRFIN20040508_012210_000000452026_00360_11436_2268.N1	08-MAY-2004 01:22:10	Dark	45.000	52	16Bet Cet	2.0370	4500.0	90	11436	No
28	GOM_NL__2PRFIN20040508_012754_000000482026_00360_11436_2269.N1	08-MAY-2004 01:27:54	Dark	47.500	18	24Alp PsA	1.1660	9700.0	95	11436	No
29	GOM_NL__2PRFIN20040508_013227_000000462026_00360_11436_2270.N1	08-MAY-2004 01:32:27	Dark	45.500	63	Bet Gru	2.1500	2800.0	91	11436	No
30	GOM_NL__2PRFIN20040508_013346_000000462026_00360_11436_2271.N1	08-MAY-2004 01:33:46	Dark	45.500	31	Alp Gru	1.7340	15200.	91	11436	No
31	GOM_NL__2PRFIN20040508_013559_000000442026_00361_11437_2240.N1	08-MAY-2004 01:35:59	Dark	44.000	148	Alp Tuc	2.8780	4100.0	88	11437	No
32	GOM_NL__2PRFIN20040508_013920_000000452026_00361_11437_2241.N1	08-MAY-2004 01:39:20	Dark	45.000	45	Alp Pav	1.9400	26000.	90	11437	No
33	GOM_NL__2PRFIN20040508_014522_000000442026_00361_11437_2242.N1	08-MAY-2004 01:45:22	Straylight	44.000	43	Alp TrA	1.9100	4250.0	88	11437	No
34	GOM_NL__2PRFIN20040508_014658_000000402026_00361_11437_2243.N1	08-MAY-2004 01:46:58	Straylight	40.000	145	Gam TrA	2.8720	10600.	80	11437	No
35	GOM_NL__2PRFIN20040508_014927_000000462026_00361_11437_2244.N1	08-MAY-2004 01:49:27	Straylight	45.500	4	Alp1Cen	-0.010000	5800.0	91	11437	No
36	GOM_NL__2PRFIN20040508_015337_000000582026_00361_11437_2245.N1	08-MAY-2004 01:53:37	Straylight	58.000	75	26Eps Sco	2.2910	4250.0	116	11437	No
37	GOM_NL__2PRFIN20040508_015701_000000722026_00361_11437_2246.N1	08-MAY-2004 01:57:01	Twilight_and_stray	72.000	16	21Alp Sco	1.0200	3000.0	144	11437	No
38	GOM_NL__2PRFIN20040508_015857_000000592026_00361_11437_2247.N1	08-MAY-2004 01:58:57	Bright	59.000	80	7Del Sco	2.3160	30000.	118	11437	No
39	GOM_NL__2PRFIN20040508_020115_000000772026_00361_11437_2248.N1	08-MAY-2004 02:01:15	Bright	77.000	86	35Eta Oph	2.4300	10200.	154	11437	No
40	GOM_NL__2PRFIN20040508_020355_000000442026_00361_11437_2249.N1	08-MAY-2004 02:03:55	Bright	44.000	104	27Bet Lib	2.6140	13100.	88	11437	No
41	GOM_NL__2PRFIN20040508_020706_000000382026_00361_11437_2250.N1	08-MAY-2004 02:07:06	Bright	37.500	121	29Gam Vir	2.7400	7200.0	75	11437	No
42	GOM_NL__2PRFIN20040508_021016_000000372026_00361_11437_2251.N1	08-MAY-2004 02:10:16	Bright	36.500	138	47Eps Vir	2.8280	4700.0	73	11437	No

161	GOM_NL__2PRFIN20040508_215237_00000512026_00373_11449_1896.N1	08-MAY-2004 21:52:37	Straylight	50.500	43	Alp TrA	1.9100	4250.0	101	11449	No
162	GOM_NL__2PRFIN20040508_215412_00000402026_00373_11449_1897.N1	08-MAY-2004 21:54:12	Straylight	40.000	145	Gam TrA	2.8720	10600.	80	11449	No
163	GOM_NL__2PRFIN20040508_215641_00000452026_00373_11449_1898.N1	08-MAY-2004 21:56:41	Straylight	44.500	4	Alp1Cen	-0.010000	5800.0	89	11449	No
164	GOM_NL__2PRFIN20040508_215815_00000622026_00373_11449_2263.N1	08-MAY-2004 21:58:15	Dark	61.500	25	35Lam Sco	1.6200	28000.	123	11449	Yes
165	GOM_NL__2PRFIN20040508_220056_00000622026_00373_11449_2264.N1	08-MAY-2004 22:00:56	Straylight	61.500	75	26Eps Sco	2.2910	4250.0	123	11449	No
166	GOM_NL__2PRFIN20040508_220418_00000692026_00373_11449_2265.N1	08-MAY-2004 22:04:18	Twi_and_stray	68.500	16	21Alp Sco	1.0200	3000.0	137	11449	No
167	GOM_NL__2PRFIN20040508_220613_00000612026_00373_11449_2266.N1	08-MAY-2004 22:06:13	Bright	61.000	80	7Del Sco	2.3160	30000.	122	11449	No
168	GOM_NL__2PRFIN20040508_220827_000000772026_00373_11449_2267.N1	08-MAY-2004 22:08:27	Bright	76.500	86	35Eta Oph	2.4300	10200.	153	11449	No
169	GOM_NL__2PRFIN20040508_221106_00000452026_00373_11449_2268.N1	08-MAY-2004 22:11:06	Bright	44.500	104	27Bet Lib	2.6140	13100.	89	11449	No
170	GOM_NL__2PRFIN20040508_221420_00000382026_00373_11449_2269.N1	08-MAY-2004 22:14:20	Bright	38.000	121	29Gam Vir	2.7400	7200.0	76	11449	No
171	GOM_NL__2PRFIN20040508_221730_00000372026_00373_11449_2270.N1	08-MAY-2004 22:17:30	Bright	37.000	138	47Eps Vir	2.8280	4700.0	74	11449	No
172	GOM_NL__2PRFIN20040508_221923_00000372026_00373_11449_2271.N1	08-MAY-2004 22:19:23	Bright	36.500	111	8Eta Boo	2.6800	6000.0	73	11449	No
173	GOM_NL__2PRFIN20040508_222227_00000442026_00373_11449_2272.N1	08-MAY-2004 22:22:27	Bright	43.500	83		2.3780	11000.	87	11449	No
174	GOM_NL__2PRFIN20040508_222506_00000352026_00373_11449_2273.N1	08-MAY-2004 22:25:06	Bright	35.000	152	12Alp2CVn	2.8900	11000.	70	11449	No
175	GOM_NL__2PRFIN20040508_222812_00000372026_00373_11449_2274.N1	08-MAY-2004 22:28:12	Bright	36.500	39	85Eta UMa	1.8540	24000.	73	11449	No
176	GOM_NL__2PRFIN20040508_222941_00000372026_00373_11449_2275.N1	08-MAY-2004 22:29:41	Bright	36.500	55	79Zet UMa	2.0600	10200.	73	11449	No
177	GOM_NL__2PRFIN20040508_223137_00000382026_00373_11449_2276.N1	08-MAY-2004 22:31:37	Bright	38.000	82	48Bet UMa	2.3650	10600.	76	11449	No
178	GOM_NL__2PRFIN20040508_223249_00000412026_00373_11449_2277.N1	08-MAY-2004 22:32:49	Bright	40.500	36	50Alp UMa	1.8000	6300.0	81	11449	No
179	GOM_NL__2PRFIN20040508_223442_00000432026_00373_11449_2278.N1	08-MAY-2004 22:34:42	Bright	43.000	119	14Eta Dra	2.7270	4700.0	86	11449	No
180	GOM_NL__2PRFIN20040508_223634_00000532026_00373_11449_2279.N1	08-MAY-2004 22:36:34	Bright	52.500	130	23Bet Dra	2.7990	5800.0	105	11449	No
181	GOM_NL__2PRFIN20040508_223946_00000352026_00373_11449_2280.N1	08-MAY-2004 22:39:46	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	11449	No
182	GOM_NL__2PRFIN20040508_224529_00000442026_00373_11449_2281.N1	08-MAY-2004 22:45:29	Bright	44.000	89	5Alp Cep	2.4510	8000.0	88	11449	No
183	GOM_NL__2PRFIN20040508_224755_00000362026_00373_11449_2282.N1	08-MAY-2004 22:47:55	Bright	35.500	76	27Gam Cas	2.3000	30000.	71	11449	No
184	GOM_NL__2PRFIN20040508_224909_00000372026_00373_11449_2283.N1	08-MAY-2004 22:49:09	Bright	37.000	68	18Alp Cas	2.2250	4500.0	74	11449	No
185	GOM_NL__2PRFIN20040508_225225_00000862026_00373_11449_2284.N1	08-MAY-2004 22:52:25	Bright	86.000	66	37Gam Cyg	2.2080	5900.0	172	11449	No
186	GOM_NL__2PRFIN20040508_225701_000001072026_00373_11449_2285.N1	08-MAY-2004 22:57:01	Twi_and_stray	107.00	92	53Eps Cyg	2.5000	4500.0	214	11449	No
187	GOM_NL__2PRFIN20040508_230238_00000532026_00373_11449_2286.N1	08-MAY-2004 23:02:38	Dark	52.500	90	54Alp Peg	2.4870	11000.	105	11449	No
188	GOM_NL__2PRFIN20040508_231003_00000462026_00373_11449_2287.N1	08-MAY-2004 23:10:03	Dark	45.500	52	16Bet Cet	2.0370	4500.0	91	11449	No
189	GOM_NL__2PRFIN20040508_231550_00000462026_00373_11449_2288.N1	08-MAY-2004 23:15:50	Dark	45.500	18	24Alp PsA	1.1660	9700.0	91	11449	No
190	GOM_NL__2PRFIN20040508_232024_00000482026_00373_11449_2289.N1	08-MAY-2004 23:20:24	Dark	48.000	63	Bet Gru	2.1500	2800.0	96	11449	No
191	GOM_NL__2PRFIN20040508_232141_00000442026_00373_11449_2290.N1	08-MAY-2004 23:21:41	Dark	43.500	31	Alp Gru	1.7340	15200.	87	11449	No
192	GOM_NL__2PRFIN20040508_232352_00000462026_00374_11450_2263.N1	08-MAY-2004 23:23:52	Dark	45.500	148	Alp Tuc	2.8780	4100.0	91	11450	No
193	GOM_NL__2PRFIN20040508_232716_00000432026_00374_11450_2264.N1	08-MAY-2004 23:27:16	Dark	43.000	45	Alp Pav	1.9400	26000.	86	11450	No
194	GOM_NL__2PRFIN20040508_233312_00000432026_00374_11450_2265.N1	08-MAY-2004 23:33:12	Straylight	43.000	43	Alp TrA	1.9100	4250.0	86	11450	No
195	GOM_NL__2PRFIN20040508_233448_00000412026_00374_11450_2266.N1	08-MAY-2004 23:34:48	Straylight	40.500	145	Gam TrA	2.8720	10600.	81	11450	No
196	GOM_NL__2PRFIN20040508_233717_00000522026_00374_11450_2267.N1	08-MAY-2004 23:37:17	Straylight	52.000	4	Alp1Cen	-0.010000	5800.0	104	11450	No
197	GOM_NL__2PRFIN20040508_233852_00000632026_00374_11450_2268.N1	08-MAY-2004 23:38:52	Straylight	62.500	25	35Lam Sco	1.6200	28000.	125	11450	No
198	GOM_NL__2PRFIN20040508_234048_00000432026_00374_11450_2269.N1	08-MAY-2004 23:40:48	Straylight	42.500	78	Alp Lup	2.3040	28000.	85	11450	No
199	GOM_NL__2PRFIN20040508_234220_00000432026_00374_11450_2270.N1	08-MAY-2004 23:42:20	Straylight	42.500	81	Eta Cen	2.3560	28000.	85	11450	No
200	GOM_NL__2PRFIN20040508_234454_00000692026_00374_11450_2271.N1	08-MAY-2004 23:44:54	Twi_and_stray	68.500	16	21Alp Sco	1.0200	3000.0	137	11450	No
201	GOM_NL__2PRFIN20040508_234649_00000572026_00374_11450_2272.N1	08-MAY-2004 23:46:49	Bright	56.500	80	7Del Sco	2.3160	30000.	113	11450	No
202	GOM_NL__2PRFIN20040508_234903_00000762026_00374_11450_2273.N1	08-MAY-2004 23:49:03	Bright	76.000	86	35Eta Oph	2.4300	10200.	152	11450	No
203	GOM_NL__2PRFIN20040508_235141_00000442026_00374_11450_2274.N1	08-MAY-2004 23:51:41	Bright	44.000	104	27Bet Lib	2.6140	13100.	88	11450	No
204	GOM_NL__2PRFIN20040508_235456_00000382026_00374_11450_2275.N1	08-MAY-2004 23:54:56	Bright	37.500	121	29Gam Vir	2.7400	7200.0	75	11450	No
205	GOM_NL__2PRFIN20040508_235806_00000372026_00374_11450_2276.N1	08-MAY-2004 23:58:06	Bright	36.500	138	47Eps Vir	2.8280	4700.0	73	11450	No
206	GOM_NL__2PRFIN20040508_235958_00000372026_00374_11450_2277.N1	08-MAY-2004 23:59:58	Bright	37.000	111	8Eta Boo	2.6800	6000.0	74	11450	No

3. Quality information per product

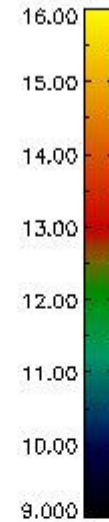
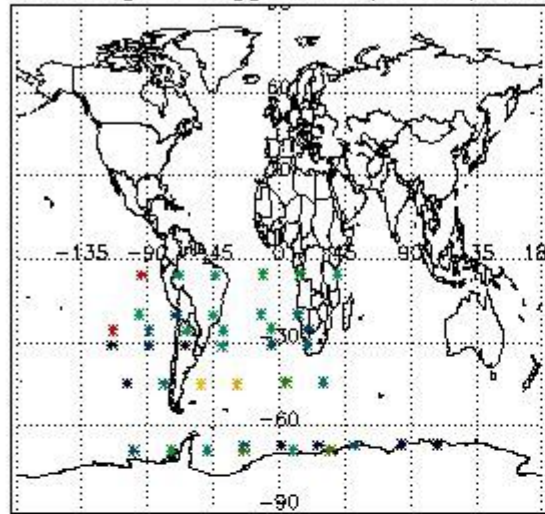
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

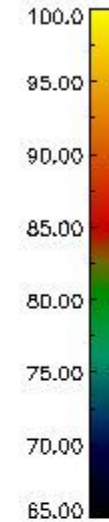
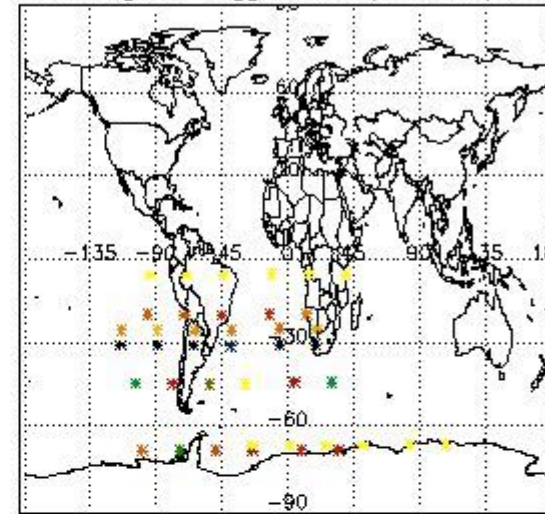


3.2 Plot quality information per product (world map)

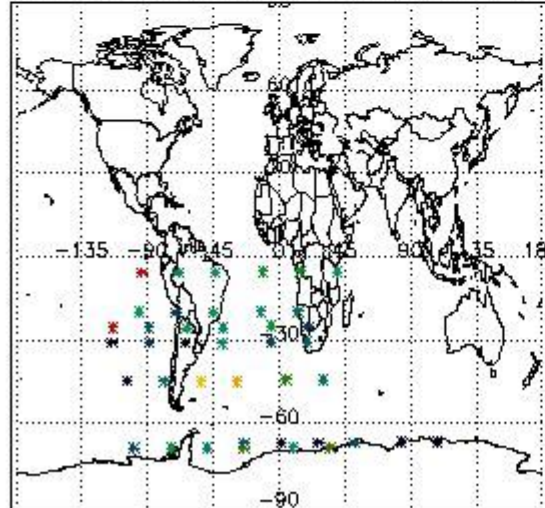
Percentage of flagged data per O3 profile



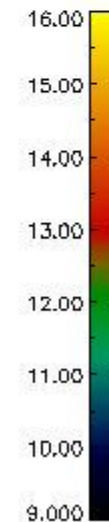
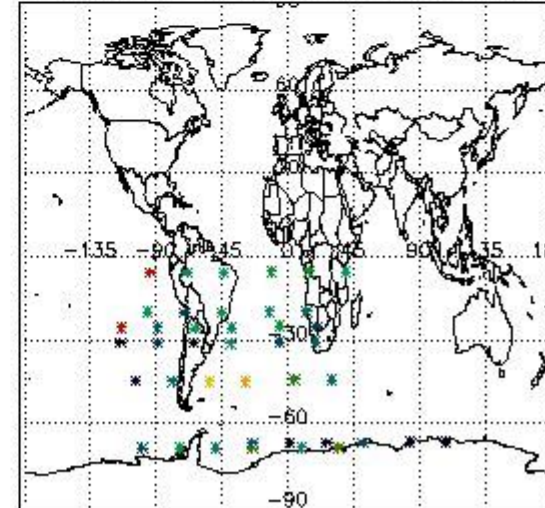
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

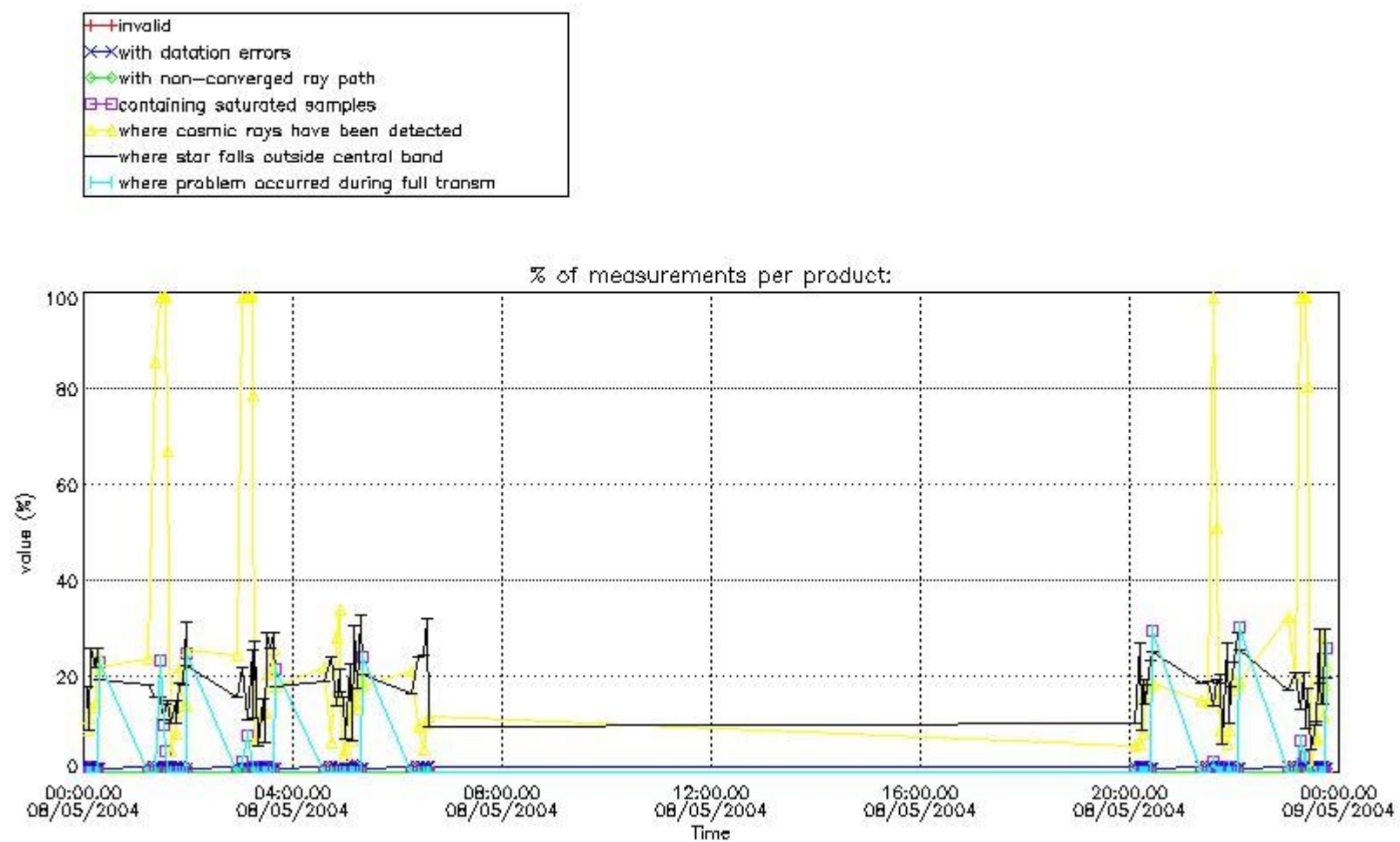


4. Level 1 quality information per product

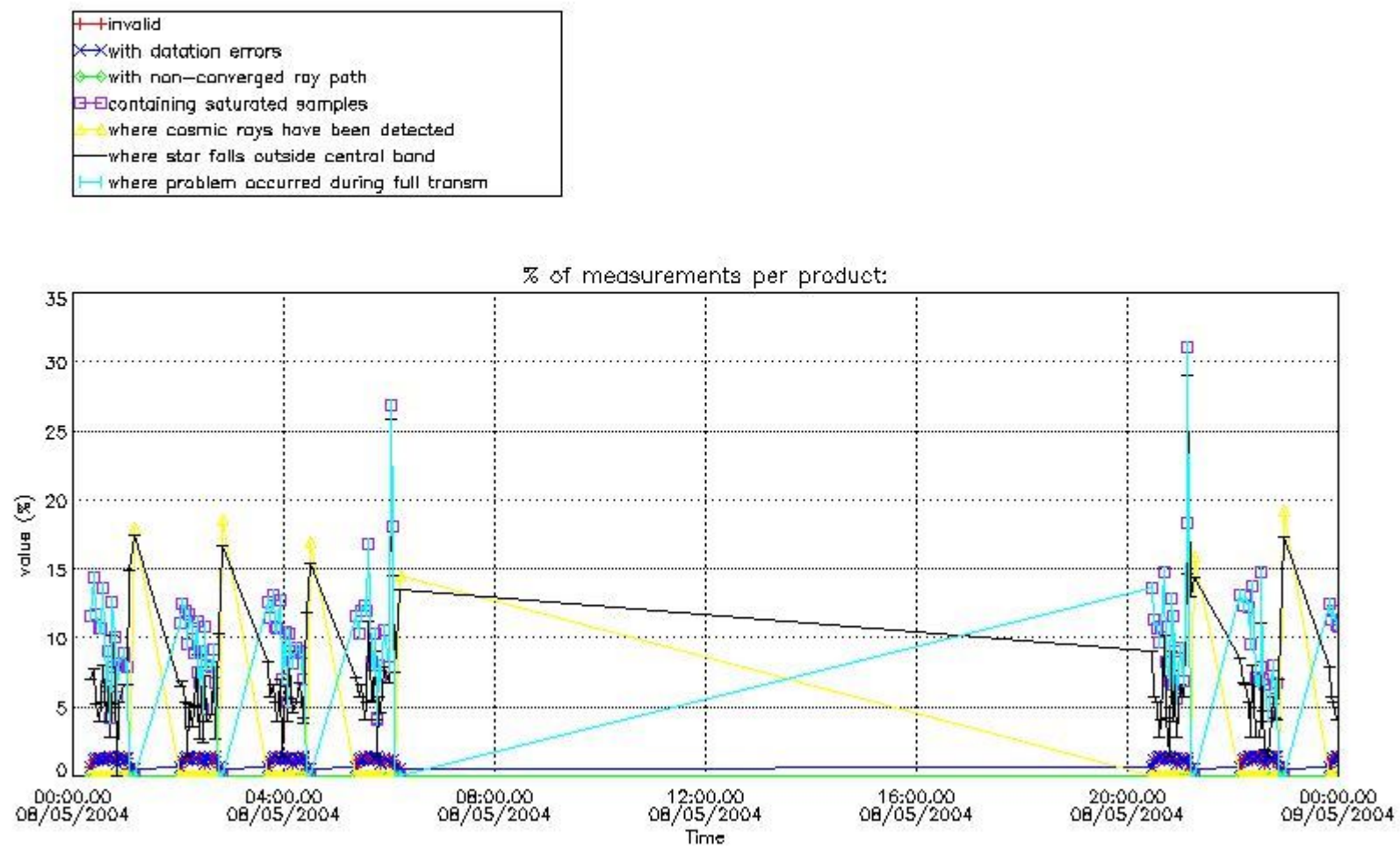
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



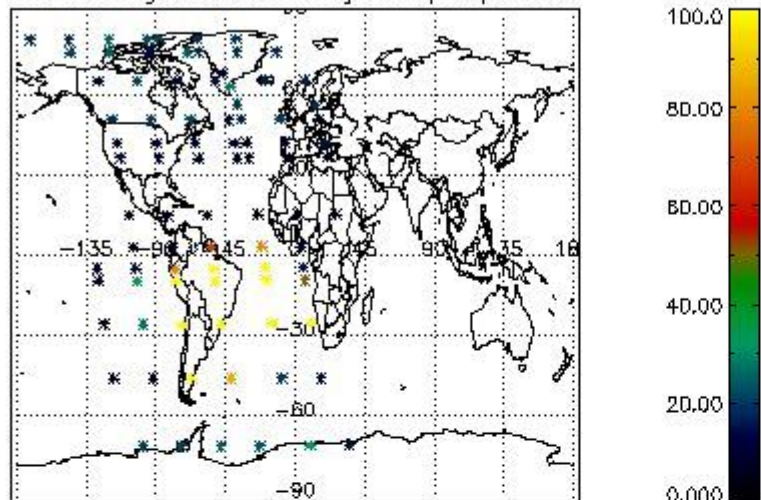
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



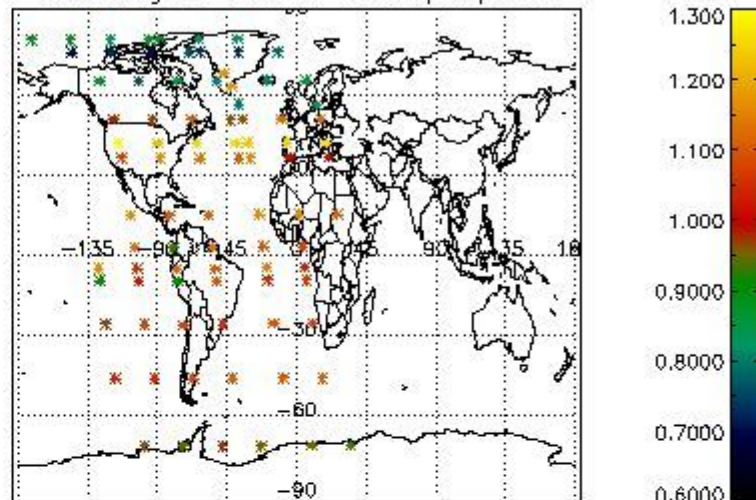
4.2 Plot quality information per product coming from level 1b processing (world map)

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

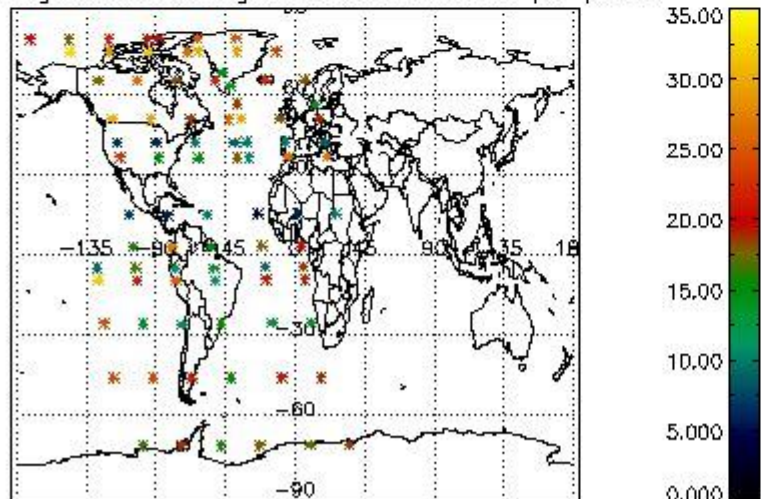
Percentage of cosmic ray hits per profile



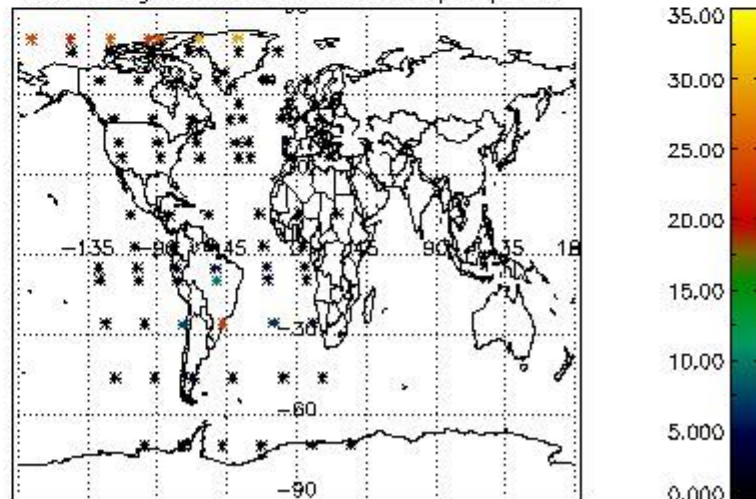
Percentage of datation errors per profile



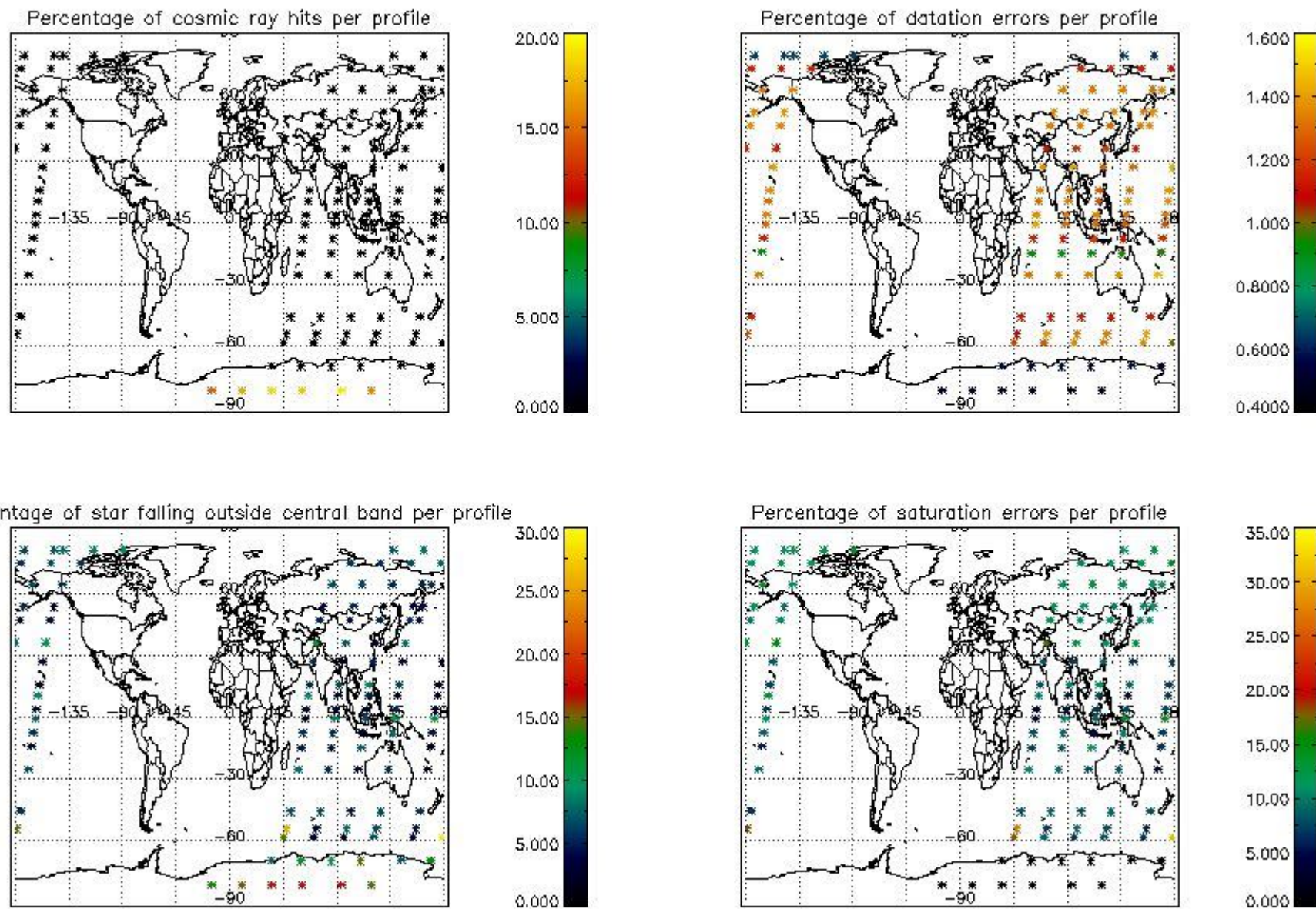
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

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

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

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

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

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

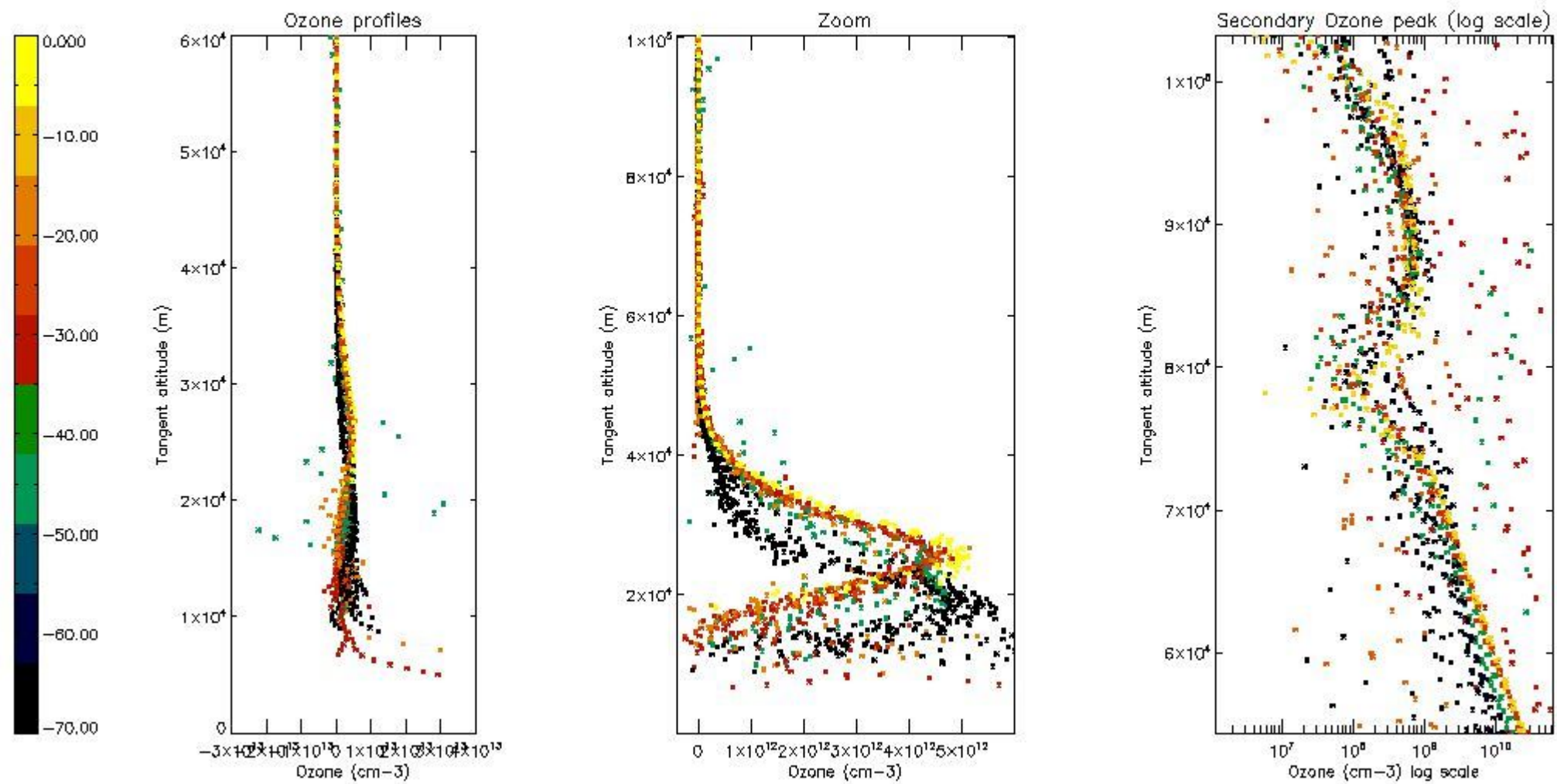
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	20
STD < 20	10

STD < 10	7
STD < 5	5

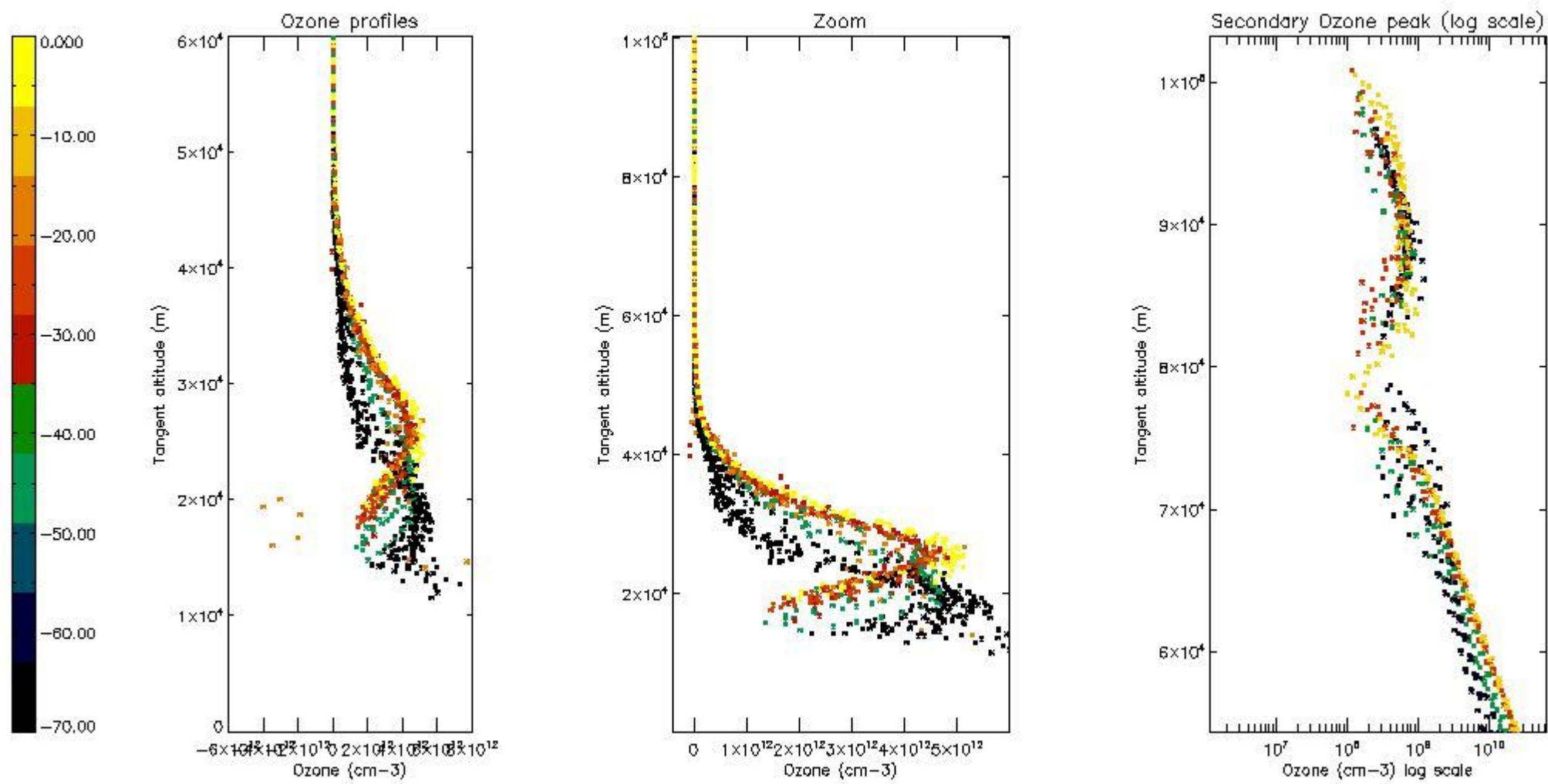
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



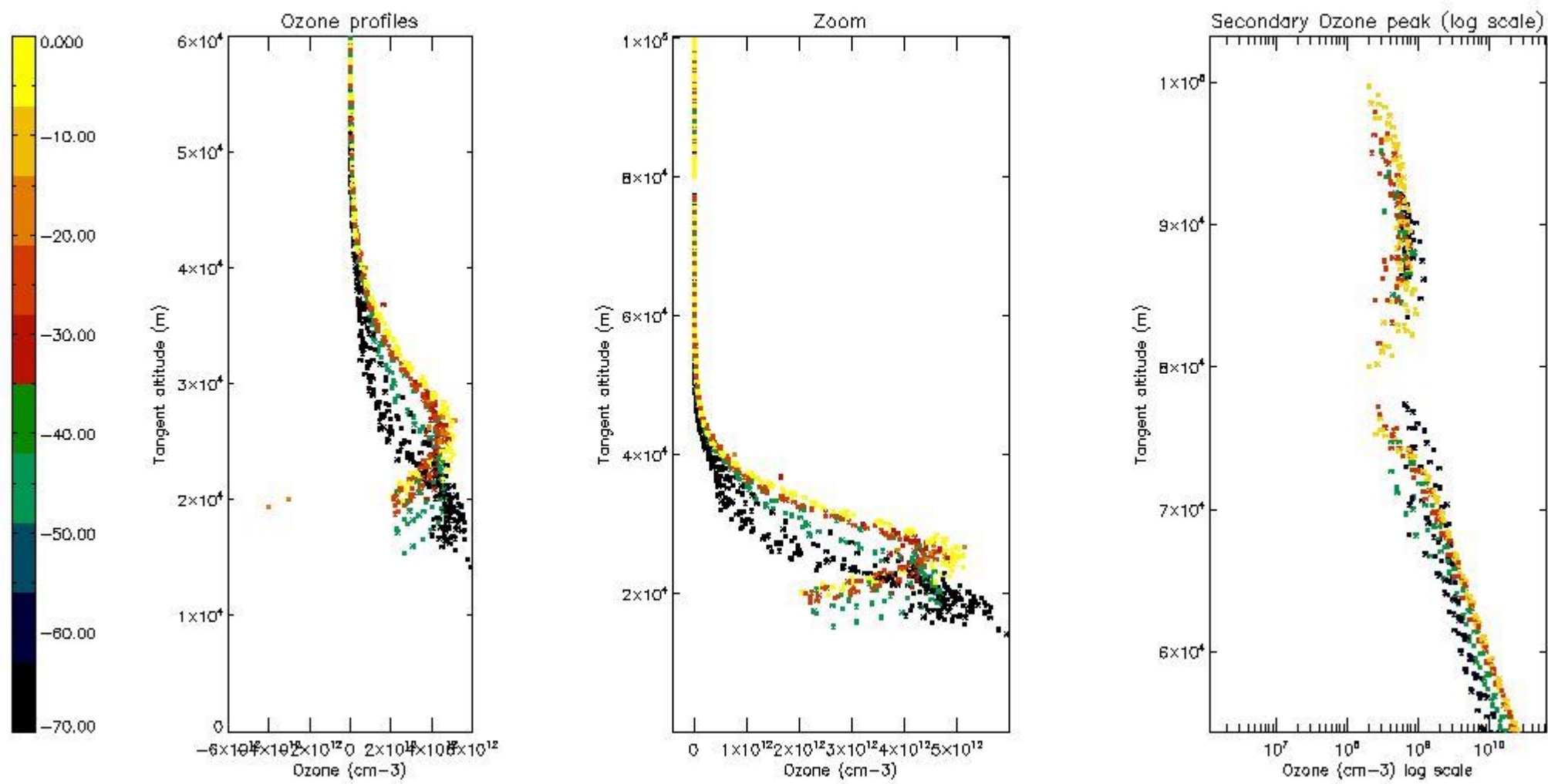
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



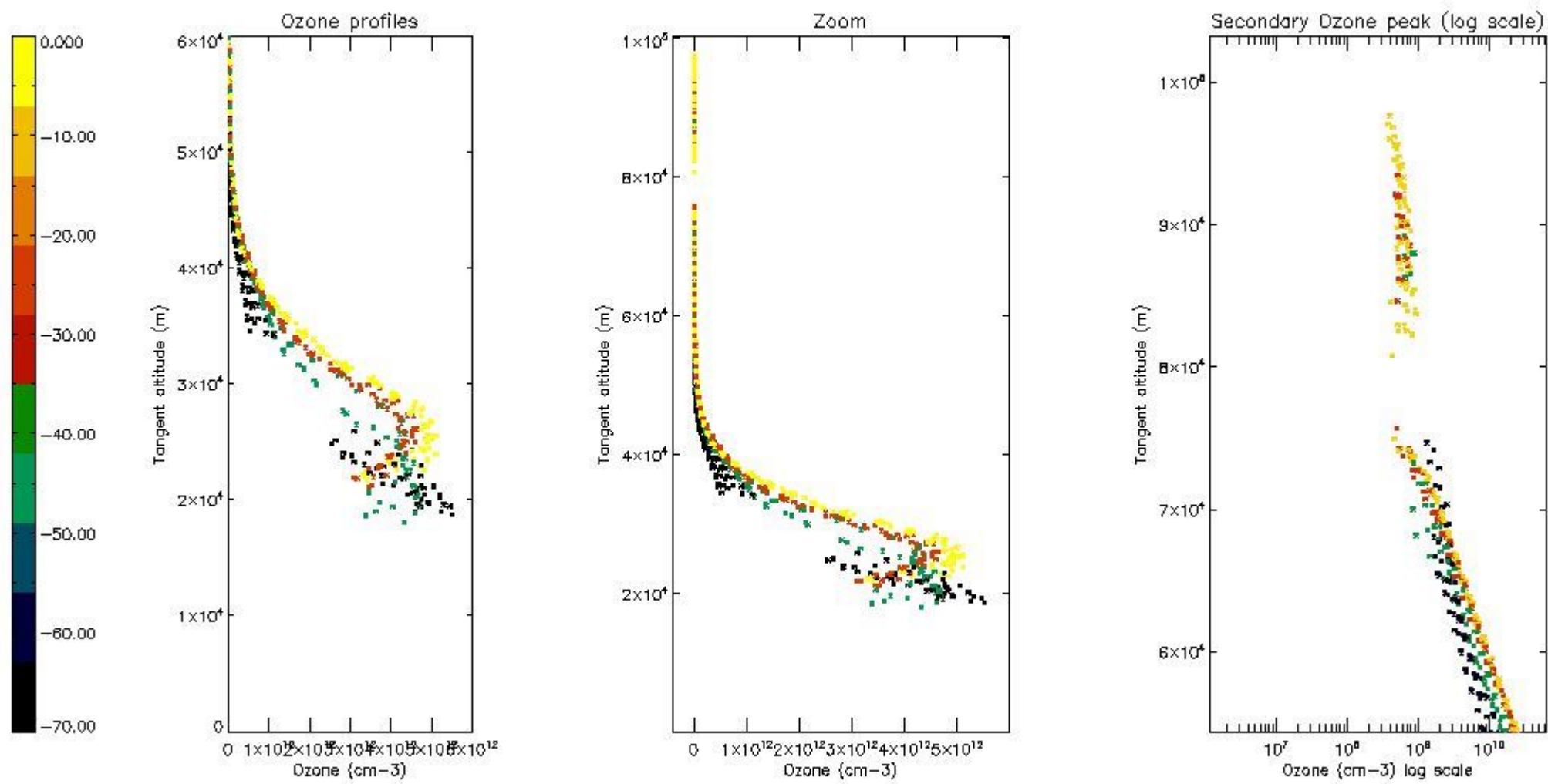
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



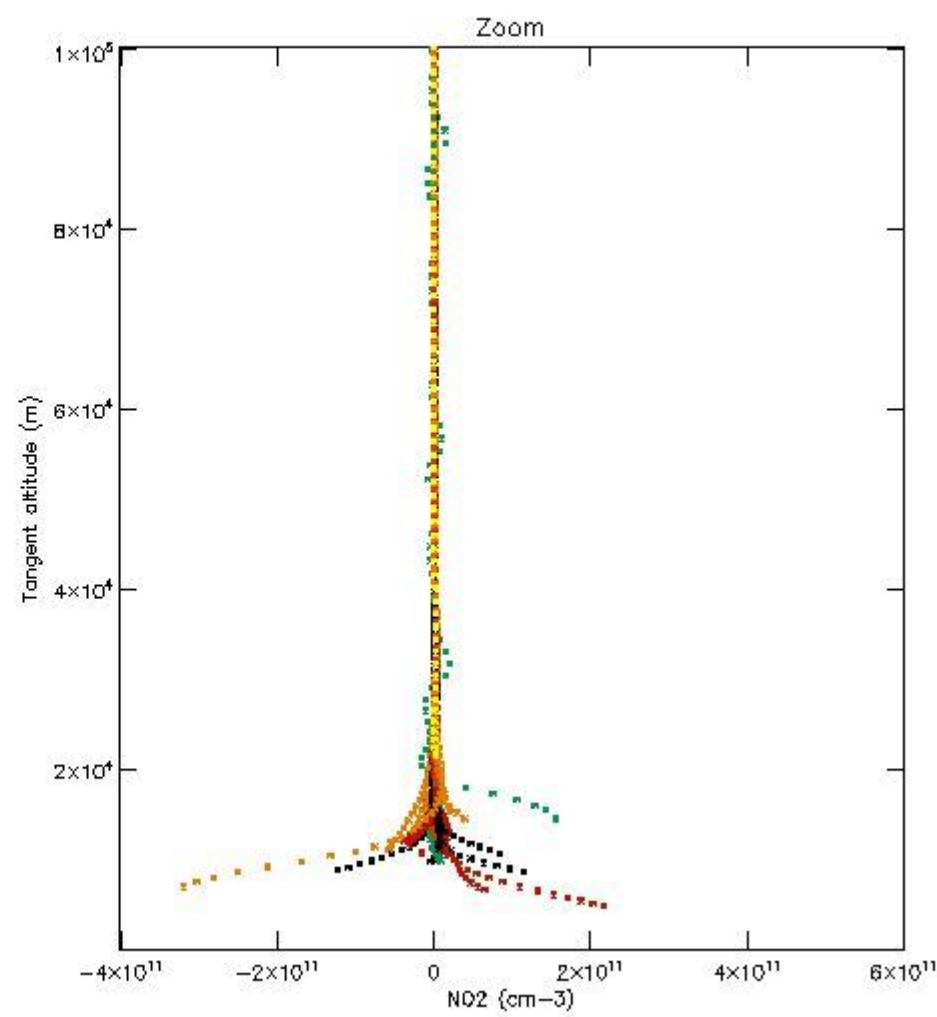
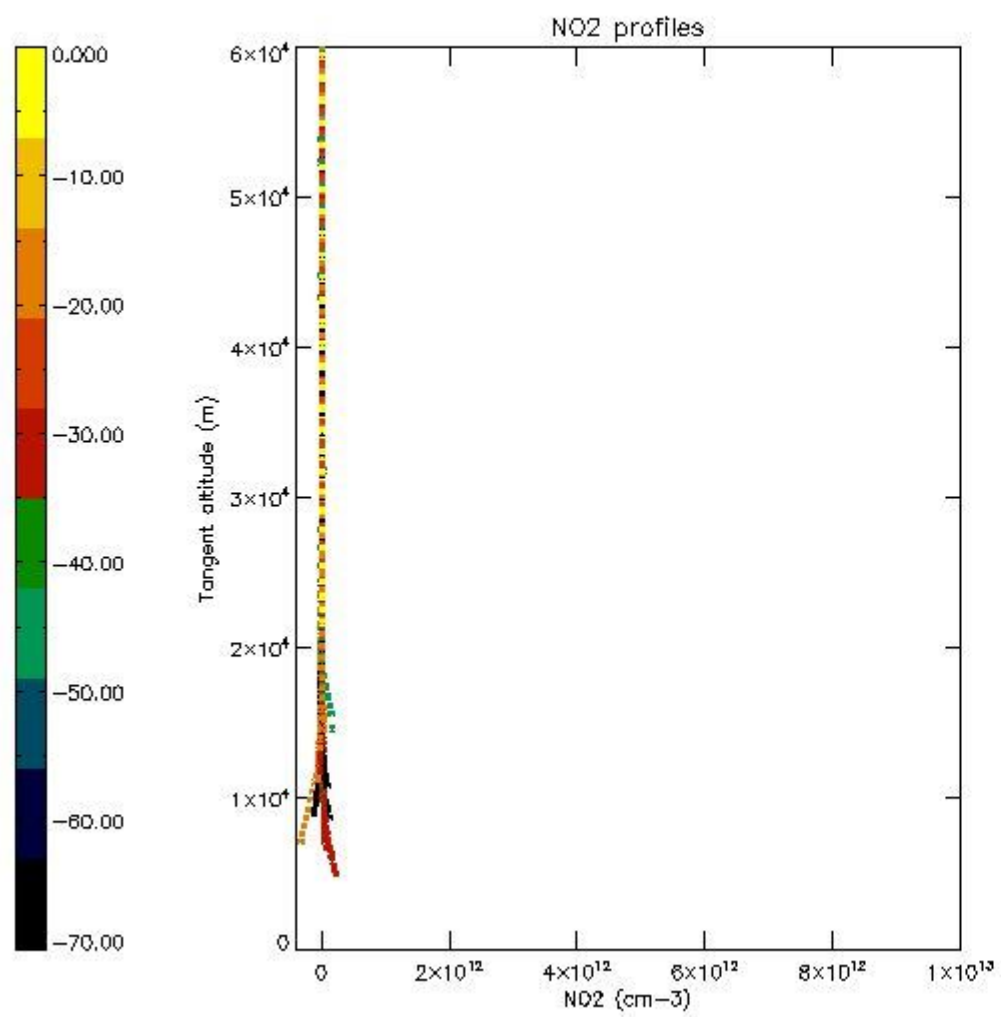
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



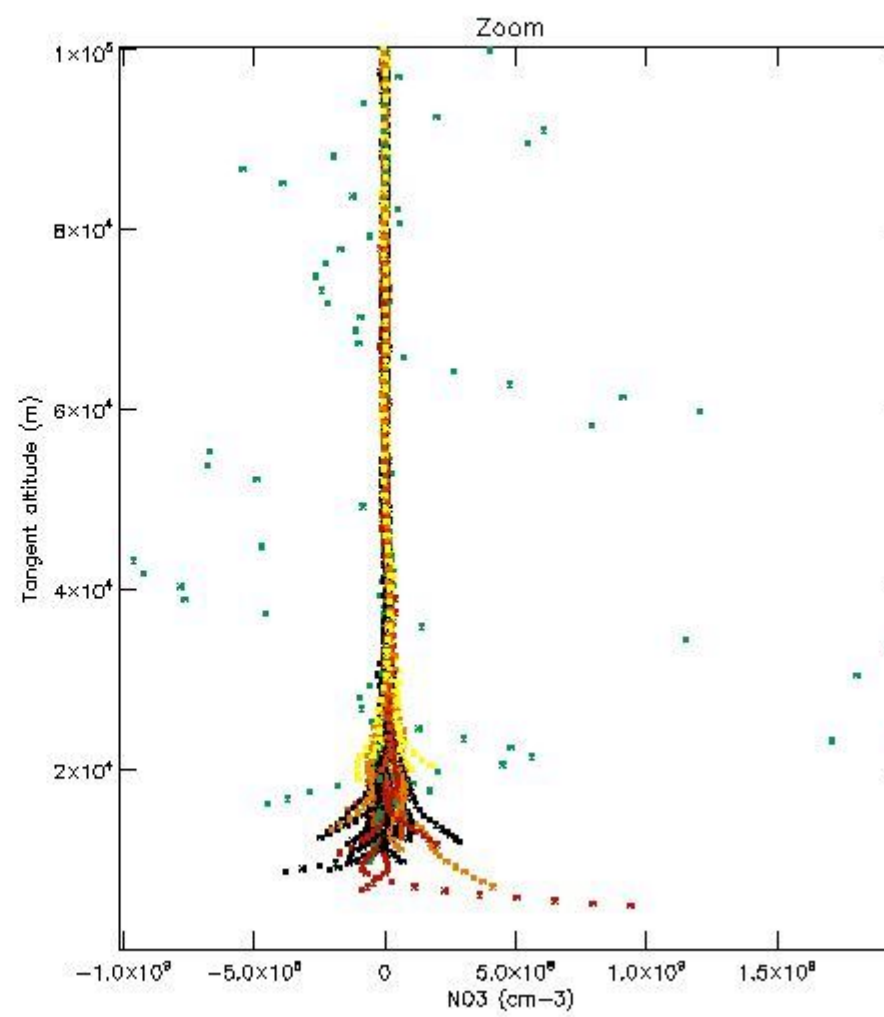
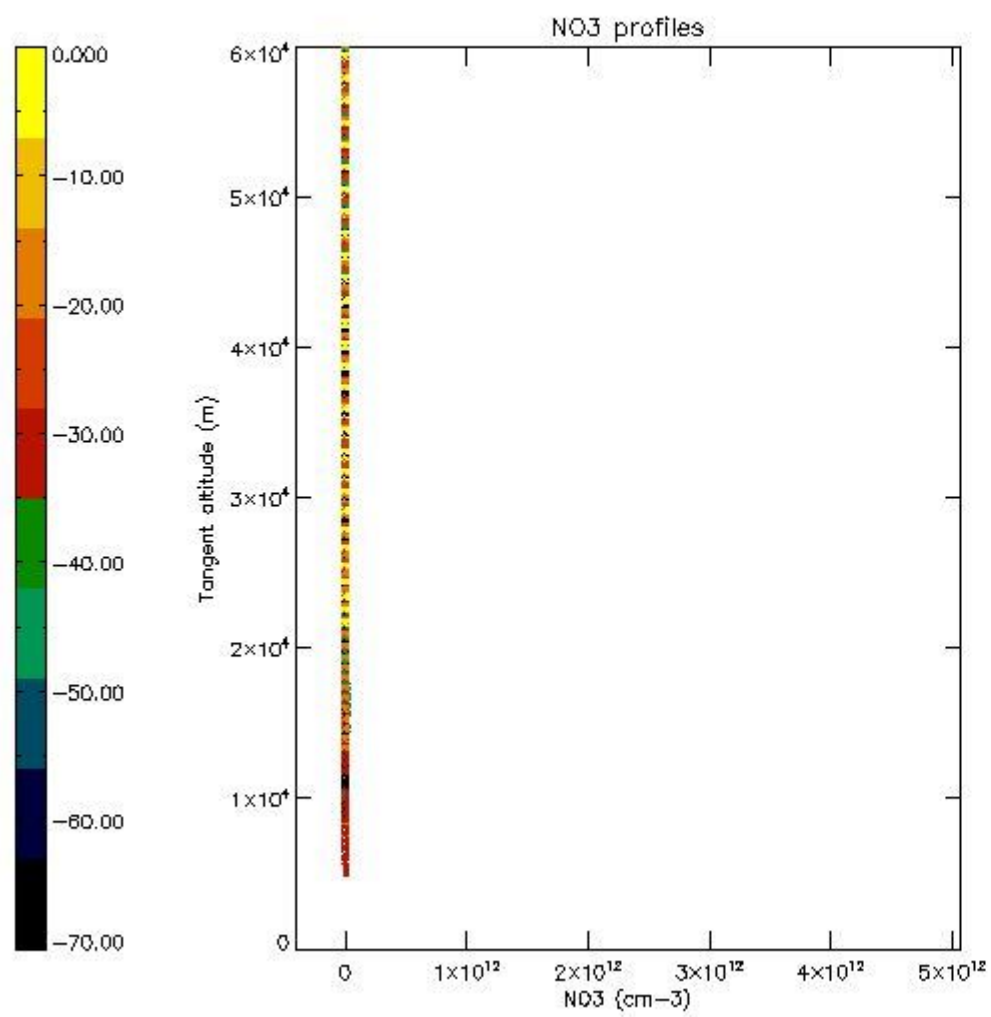
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



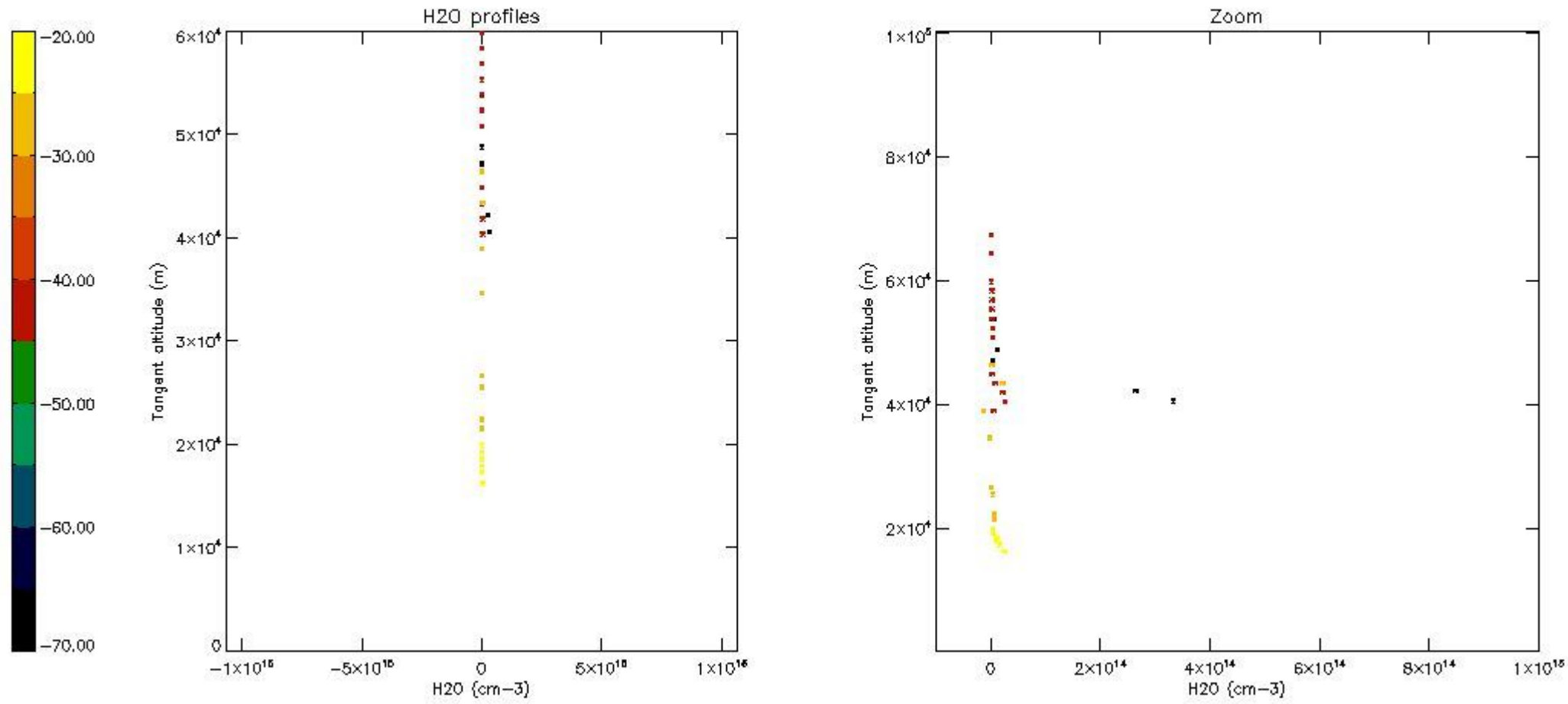
5.7 Plot NO3 profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

The colorbar represents the latitude.



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

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

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	08-MAY-2004 00:04:46
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	08-MAY-2004 00:04:46
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	08-MAY-2004 00:04:46

GOMOS Level 2 Daily Report

SUMMARY

[1. General Info](#)

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

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

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

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

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

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

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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% \(dark without errors\)](#)

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

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

[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 01:30:57
Data source version	GOMOS/6.01
Start time of products	08-05-2004 (08MAY2004 00:00:00)
Stop time of products	09-05-2004 (09MAY2004 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	206
Nb of prods with errors	1

2. Summary of processed GOM_NL__2P products.

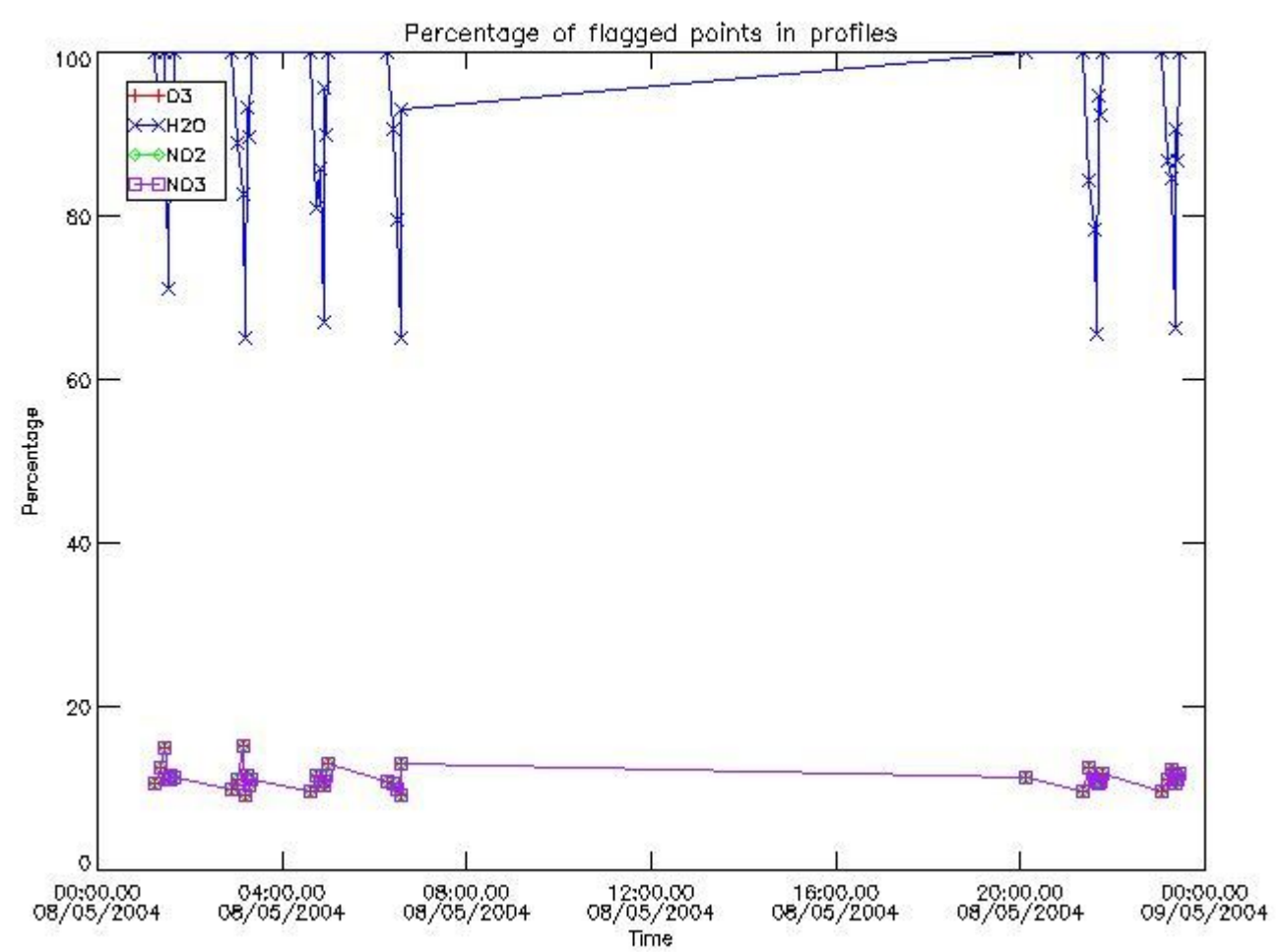
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20040508_000446_000000452026_00360_11436_2242.N1	08-MAY-2004 00:04:46	Straylight	45.000	43	Alp TrA	1.9100	4250.0	90	11436	No
2	GOM_NL__2PRFIN20040508_000621_000000402026_00360_11436_2243.N1	08-MAY-2004 00:06:21	Straylight	40.000	145	Gam TrA	2.8720	10600.	80	11436	No
3	GOM_NL__2PRFIN20040508_000849_000000522026_00360_11436_2244.N1	08-MAY-2004 00:08:49	Straylight	52.000	4	Alp1Cen	-0.010000	5800.0	104	11436	No
4	GOM_NL__2PRFIN20040508_001300_000000622026_00360_11436_2245.N1	08-MAY-2004 00:13:00	Straylight	62.000	75	26Eps Sco	2.2910	4250.0	124	11436	No
5	GOM_NL__2PRFIN20040508_001625_000000662026_00360_11436_2246.N1	08-MAY-2004 00:16:25	Twilight_stray	65.500	16	21Alp Sco	1.0200	3000.0	131	11436	No
6	GOM_NL__2PRFIN20040508_001822_000000572026_00360_11436_2247.N1	08-MAY-2004 00:18:22	Bright	57.000	80	7Del Sco	2.3160	30000.	114	11436	No
7	GOM_NL__2PRFIN20040508_002039_000000782026_00360_11436_2248.N1	08-MAY-2004 00:20:39	Bright	78.000	86	35Eta Oph	2.4300	10200.	156	11436	No
8	GOM_NL__2PRFIN20040508_002319_000000452026_00360_11436_2249.N1	08-MAY-2004 00:23:19	Bright	45.000	104	27Bet Lib	2.6140	13100.	90	11436	No
9	GOM_NL__2PRFIN20040508_002629_000000392026_00360_11436_2250.N1	08-MAY-2004 00:26:29	Bright	38.500	121	29Gam Vir	2.7400	7200.0	77	11436	No
10	GOM_NL__2PRFIN20040508_002939_000000382026_00360_11436_2251.N1	08-MAY-2004 00:29:39	Bright	37.500	138	47Eps Vir	2.8280	4700.0	75	11436	No
11	GOM_NL__2PRFIN20040508_003135_000000382026_00360_11436_2252.N1	08-MAY-2004 00:31:35	Bright	37.500	111	8Eta Boo	2.6800	6000.0	75	11436	No
12	GOM_NL__2PRFIN20040508_003444_000000442026_00360_11436_2253.N1	08-MAY-2004 00:34:44	Bright	44.000	83		2.3780	11000.	88	11436	No
13	GOM_NL__2PRFIN20040508_003715_000000392026_00360_11436_2254.N1	08-MAY-2004 00:37:15	Bright	38.500	152	12Alp2CVn	2.8900	11000.	77	11436	No
14	GOM_NL__2PRFIN20040508_004025_000000392026_00360_11436_2255.N1	08-MAY-2004 00:40:25	Bright	38.500	39	85Eta UMa	1.8540	24000.	77	11436	No
15	GOM_NL__2PRFIN20040508_004154_000000362026_00360_11436_2256.N1	08-MAY-2004 00:41:54	Bright	36.000	55	79Zet UMa	2.0600	10200.	72	11436	No
16	GOM_NL__2PRFIN20040508_004344_000000382026_00360_11436_2257.N1	08-MAY-2004 00:43:44	Bright	38.000	82	48Bet UMa	2.3650	10600.	76	11436	No
17	GOM_NL__2PRFIN20040508_004457_000000402026_00360_11436_2258.N1	08-MAY-2004 00:44:57	Bright	39.500	36	50Alp UMa	1.8000	6300.0	79	11436	No
18	GOM_NL__2PRFIN20040508_004702_000000452026_00360_11436_2259.N1	08-MAY-2004 00:47:02	Bright	44.500	119	14Eta Dra	2.7270	4700.0	89	11436	No
19	GOM_NL__2PRFIN20040508_004900_000000532026_00360_11436_2260.N1	08-MAY-2004 00:49:00	Bright	52.500	130	23Bet Dra	2.7990	5800.0	105	11436	No
20	GOM_NL__2PRFIN20040508_005158_000000372026_00360_11436_2261.N1	08-MAY-2004 00:51:58	Bright	37.000	49	1Alp UMi	1.9900	6300.0	74	11436	No
21	GOM_NL__2PRFIN20040508_005747_000000452026_00360_11436_2262.N1	08-MAY-2004 00:57:47	Bright	45.000	89	5Alp Cep	2.4510	8000.0	90	11436	No
22	GOM_NL__2PRFIN20040508_010006_000000382026_00360_11436_2263.N1	08-MAY-2004 01:00:06	Bright	37.500	76	27Gam Cas	2.3000	30000.	75	11436	No
23	GOM_NL__2PRFIN20040508_010120_000000382026_00360_11436_2264.N1	08-MAY-2004 01:01:20	Bright	38.000	68	18Alp Cas	2.2250	4500.0	76	11436	No
24	GOM_NL__2PRFIN20040508_010445_000000912026_00360_11436_2265.N1	08-MAY-2004 01:04:45	Bright	91.000	66	37Gam Cyg	2.2080	5900.0	182	11436	No
25	GOM_NL__2PRFIN20040508_010914_000001032026_00360_11436_2266.N1	08-MAY-2004 01:09:14	Twilight_stray	103.00	92	53Eps Cyg	2.5000	4500.0	206	11436	No
26	GOM_NL__2PRFIN20040508_011445_000000532026_00360_11436_2267.N1	08-MAY-2004 01:14:45	Dark	52.500	90	54Alp Peg	2.4870	11000.	105	11436	No
27	GOM_NL__2PRFIN20040508_012210_000000452026_00360_11436_2268.N1	08-MAY-2004 01:22:10	Dark	45.000	52	16Bet Cet	2.0370	4500.0	90	11436	No
28	GOM_NL__2PRFIN20040508_012754_000000482026_00360_11436_2269.N1	08-MAY-2004 01:27:54	Dark	47.500	18	24Alp PsA	1.1660	9700.0	95	11436	No
29	GOM_NL__2PRFIN20040508_013227_000000462026_00360_11436_2270.N1	08-MAY-2004 01:32:27	Dark	45.500	63	Bet Gru	2.1500	2800.0	91	11436	No
30	GOM_NL__2PRFIN20040508_013346_000000462026_00360_11436_2271.N1	08-MAY-2004 01:33:46	Dark	45.500	31	Alp Gru	1.7340	15200.	91	11436	No
31	GOM_NL__2PRFIN20040508_013559_000000442026_00361_11437_2240.N1	08-MAY-2004 01:35:59	Dark	44.000	148	Alp Tuc	2.8780	4100.0	88	11437	No
32	GOM_NL__2PRFIN20040508_013920_000000452026_00361_11437_2241.N1	08-MAY-2004 01:39:20	Dark	45.000	45	Alp Pav	1.9400	26000.	90	11437	No
33	GOM_NL__2PRFIN20040508_014522_000000442026_00361_11437_2242.N1	08-MAY-2004 01:45:22	Straylight	44.000	43	Alp TrA	1.9100	4250.0	88	11437	No
34	GOM_NL__2PRFIN20040508_014658_000000402026_00361_11437_2243.N1	08-MAY-2004 01:46:58	Straylight	40.000	145	Gam TrA	2.8720	10600.	80	11437	No
35	GOM_NL__2PRFIN20040508_014927_000000462026_00361_11437_2244.N1	08-MAY-2004 01:49:27	Straylight	45.500	4	Alp1Cen	-0.010000	5800.0	91	11437	No
36	GOM_NL__2PRFIN20040508_015337_000000582026_00361_11437_2245.N1	08-MAY-2004 01:53:37	Straylight	58.000	75	26Eps Sco	2.2910	4250.0	116	11437	No
37	GOM_NL__2PRFIN20040508_015701_000000722026_00361_11437_2246.N1	08-MAY-2004 01:57:01	Twilight_stray	72.000	16	21Alp Sco	1.0200	3000.0	144	11437	No
38	GOM_NL__2PRFIN20040508_015857_000000592026_00361_11437_2247.N1	08-MAY-2004 01:58:57	Bright	59.000	80	7Del Sco	2.3160	30000.	118	11437	No
39	GOM_NL__2PRFIN20040508_020115_000000772026_00361_11437_2248.N1	08-MAY-2004 02:01:15	Bright	77.000	86	35Eta Oph	2.4300	10200.	154	11437	No
40	GOM_NL__2PRFIN20040508_020355_000000442026_00361_11437_2249.N1	08-MAY-2004 02:03:55	Bright	44.000	104	27Bet Lib	2.6140	13100.	88	11437	No
41	GOM_NL__2PRFIN20040508_020706_000000382026_00361_11437_2250.N1	08-MAY-2004 02:07:06	Bright	37.500	121	29Gam Vir	2.7400	7200.0	75	11437	No
42	GOM_NL__2PRFIN20040508_021016_000000372026_00361_11437_2251.N1	08-MAY-2004 02:10:16	Bright	36.500	138	47Eps Vir	2.8280	4700.0	73	11437	No

161	GOM_NL__2PRFIN20040508_215237_000000512026_00373_11449_1896.N1	08-MAY-2004 21:52:37	Straylight	50.500	43	Alp TrA	1.9100	4250.0	101	11449	No
162	GOM_NL__2PRFIN20040508_215412_000000402026_00373_11449_1897.N1	08-MAY-2004 21:54:12	Straylight	40.000	145	Gam TrA	2.8720	10600.	80	11449	No
163	GOM_NL__2PRFIN20040508_215641_000000452026_00373_11449_1898.N1	08-MAY-2004 21:56:41	Straylight	44.500	4	Alp1Cen	-0.010000	5800.0	89	11449	No
164	GOM_NL__2PRFIN20040508_215815_000000622026_00373_11449_2263.N1	08-MAY-2004 21:58:15	Dark	61.500	25	35Lam Sco	1.6200	28000.	123	11449	Yes
165	GOM_NL__2PRFIN20040508_220056_000000622026_00373_11449_2264.N1	08-MAY-2004 22:00:56	Straylight	61.500	75	26Eps Sco	2.2910	4250.0	123	11449	No
166	GOM_NL__2PRFIN20040508_220418_000000692026_00373_11449_2265.N1	08-MAY-2004 22:04:18	Twi_and_stray	68.500	16	21Alp Sco	1.0200	3000.0	137	11449	No
167	GOM_NL__2PRFIN20040508_220613_000000612026_00373_11449_2266.N1	08-MAY-2004 22:06:13	Bright	61.000	80	7Del Sco	2.3160	30000.	122	11449	No
168	GOM_NL__2PRFIN20040508_220827_000000772026_00373_11449_2267.N1	08-MAY-2004 22:08:27	Bright	76.500	86	35Eta Oph	2.4300	10200.	153	11449	No
169	GOM_NL__2PRFIN20040508_221106_000000452026_00373_11449_2268.N1	08-MAY-2004 22:11:06	Bright	44.500	104	27Bet Lib	2.6140	13100.	89	11449	No
170	GOM_NL__2PRFIN20040508_221420_000000382026_00373_11449_2269.N1	08-MAY-2004 22:14:20	Bright	38.000	121	29Gam Vir	2.7400	7200.0	76	11449	No
171	GOM_NL__2PRFIN20040508_221730_000000372026_00373_11449_2270.N1	08-MAY-2004 22:17:30	Bright	37.000	138	47Eps Vir	2.8280	4700.0	74	11449	No
172	GOM_NL__2PRFIN20040508_221923_000000372026_00373_11449_2271.N1	08-MAY-2004 22:19:23	Bright	36.500	111	8Eta Boo	2.6800	6000.0	73	11449	No
173	GOM_NL__2PRFIN20040508_222227_000000442026_00373_11449_2272.N1	08-MAY-2004 22:22:27	Bright	43.500	83		2.3780	11000.	87	11449	No
174	GOM_NL__2PRFIN20040508_222506_000000352026_00373_11449_2273.N1	08-MAY-2004 22:25:06	Bright	35.000	152	12Alp2CVn	2.8900	11000.	70	11449	No
175	GOM_NL__2PRFIN20040508_222812_000000372026_00373_11449_2274.N1	08-MAY-2004 22:28:12	Bright	36.500	39	85Eta UMa	1.8540	24000.	73	11449	No
176	GOM_NL__2PRFIN20040508_222941_000000372026_00373_11449_2275.N1	08-MAY-2004 22:29:41	Bright	36.500	55	79Zet UMa	2.0600	10200.	73	11449	No
177	GOM_NL__2PRFIN20040508_223137_000000382026_00373_11449_2276.N1	08-MAY-2004 22:31:37	Bright	38.000	82	48Bet UMa	2.3650	10600.	76	11449	No
178	GOM_NL__2PRFIN20040508_223249_000000412026_00373_11449_2277.N1	08-MAY-2004 22:32:49	Bright	40.500	36	50Alp UMa	1.8000	6300.0	81	11449	No
179	GOM_NL__2PRFIN20040508_223442_000000432026_00373_11449_2278.N1	08-MAY-2004 22:34:42	Bright	43.000	119	14Eta Dra	2.7270	4700.0	86	11449	No
180	GOM_NL__2PRFIN20040508_223634_000000532026_00373_11449_2279.N1	08-MAY-2004 22:36:34	Bright	52.500	130	23Bet Dra	2.7990	5800.0	105	11449	No
181	GOM_NL__2PRFIN20040508_223946_000000352026_00373_11449_2280.N1	08-MAY-2004 22:39:46	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	11449	No
182	GOM_NL__2PRFIN20040508_224529_000000442026_00373_11449_2281.N1	08-MAY-2004 22:45:29	Bright	44.000	89	5Alp Cep	2.4510	8000.0	88	11449	No
183	GOM_NL__2PRFIN20040508_224755_000000362026_00373_11449_2282.N1	08-MAY-2004 22:47:55	Bright	35.500	76	27Gam Cas	2.3000	30000.	71	11449	No
184	GOM_NL__2PRFIN20040508_224909_000000372026_00373_11449_2283.N1	08-MAY-2004 22:49:09	Bright	37.000	68	18Alp Cas	2.2250	4500.0	74	11449	No
185	GOM_NL__2PRFIN20040508_225225_000000862026_00373_11449_2284.N1	08-MAY-2004 22:52:25	Bright	86.000	66	37Gam Cyg	2.2080	5900.0	172	11449	No
186	GOM_NL__2PRFIN20040508_225701_000001072026_00373_11449_2285.N1	08-MAY-2004 22:57:01	Twi_and_stray	107.00	92	53Eps Cyg	2.5000	4500.0	214	11449	No
187	GOM_NL__2PRFIN20040508_230238_000000532026_00373_11449_2286.N1	08-MAY-2004 23:02:38	Dark	52.500	90	54Alp Peg	2.4870	11000.	105	11449	No
188	GOM_NL__2PRFIN20040508_231003_000000462026_00373_11449_2287.N1	08-MAY-2004 23:10:03	Dark	45.500	52	16Bet Cet	2.0370	4500.0	91	11449	No
189	GOM_NL__2PRFIN20040508_231550_000000462026_00373_11449_2288.N1	08-MAY-2004 23:15:50	Dark	45.500	18	24Alp PsA	1.1660	9700.0	91	11449	No
190	GOM_NL__2PRFIN20040508_232024_000000482026_00373_11449_2289.N1	08-MAY-2004 23:20:24	Dark	48.000	63	Bet Gru	2.1500	2800.0	96	11449	No
191	GOM_NL__2PRFIN20040508_232141_000000442026_00373_11449_2290.N1	08-MAY-2004 23:21:41	Dark	43.500	31	Alp Gru	1.7340	15200.	87	11449	No
192	GOM_NL__2PRFIN20040508_232352_000000462026_00374_11450_2263.N1	08-MAY-2004 23:23:52	Dark	45.500	148	Alp Tuc	2.8780	4100.0	91	11450	No
193	GOM_NL__2PRFIN20040508_232716_000000432026_00374_11450_2264.N1	08-MAY-2004 23:27:16	Dark	43.000	45	Alp Pav	1.9400	26000.	86	11450	No
194	GOM_NL__2PRFIN20040508_233312_000000432026_00374_11450_2265.N1	08-MAY-2004 23:33:12	Straylight	43.000	43	Alp TrA	1.9100	4250.0	86	11450	No
195	GOM_NL__2PRFIN20040508_233448_000000412026_00374_11450_2266.N1	08-MAY-2004 23:34:48	Straylight	40.500	145	Gam TrA	2.8720	10600.	81	11450	No
196	GOM_NL__2PRFIN20040508_233717_000000522026_00374_11450_2267.N1	08-MAY-2004 23:37:17	Straylight	52.000	4	Alp1Cen	-0.010000	5800.0	104	11450	No
197	GOM_NL__2PRFIN20040508_233852_000000632026_00374_11450_2268.N1	08-MAY-2004 23:38:52	Straylight	62.500	25	35Lam Sco	1.6200	28000.	125	11450	No
198	GOM_NL__2PRFIN20040508_234048_000000432026_00374_11450_2269.N1	08-MAY-2004 23:40:48	Straylight	42.500	78	Alp Lup	2.3040	28000.	85	11450	No
199	GOM_NL__2PRFIN20040508_234220_000000432026_00374_11450_2270.N1	08-MAY-2004 23:42:20	Straylight	42.500	81	Eta Cen	2.3560	28000.	85	11450	No
200	GOM_NL__2PRFIN20040508_234454_000000692026_00374_11450_2271.N1	08-MAY-2004 23:44:54	Twi_and_stray	68.500	16	21Alp Sco	1.0200	3000.0	137	11450	No
201	GOM_NL__2PRFIN20040508_234649_000000572026_00374_11450_2272.N1	08-MAY-2004 23:46:49	Bright	56.500	80	7Del Sco	2.3160	30000.	113	11450	No
202	GOM_NL__2PRFIN20040508_234903_000000762026_00374_11450_2273.N1	08-MAY-2004 23:49:03	Bright	76.000	86	35Eta Oph	2.4300	10200.	152	11450	No
203	GOM_NL__2PRFIN20040508_235141_000000442026_00374_11450_2274.N1	08-MAY-2004 23:51:41	Bright	44.000	104	27Bet Lib	2.6140	13100.	88	11450	No
204	GOM_NL__2PRFIN20040508_235456_000000382026_00374_11450_2275.N1	08-MAY-2004 23:54:56	Bright	37.500	121	29Gam Vir	2.7400	7200.0	75	11450	No
205	GOM_NL__2PRFIN20040508_235806_000000372026_00374_11450_2276.N1	08-MAY-2004 23:58:06	Bright	36.500	138	47Eps Vir	2.8280	4700.0	73	11450	No
206	GOM_NL__2PRFIN20040508_235958_000000372026_00374_11450_2277.N1	08-MAY-2004 23:59:58	Bright	37.000	111	8Eta Boo	2.6800	6000.0	74	11450	No

3. Quality information per product

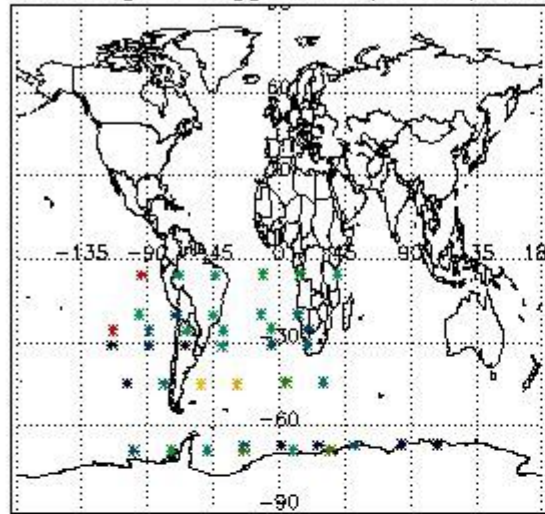
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

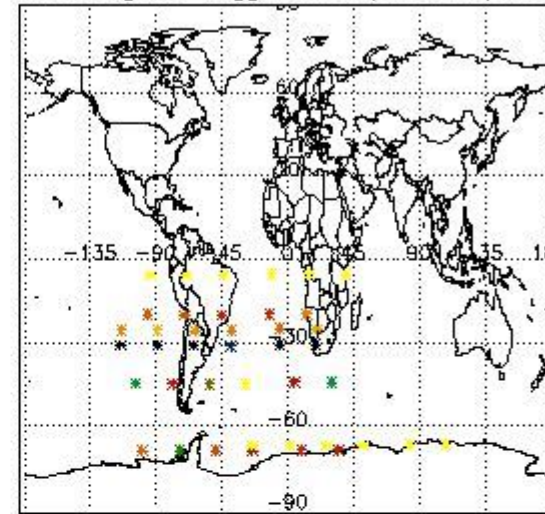


3.2 Plot quality information per product (world map)

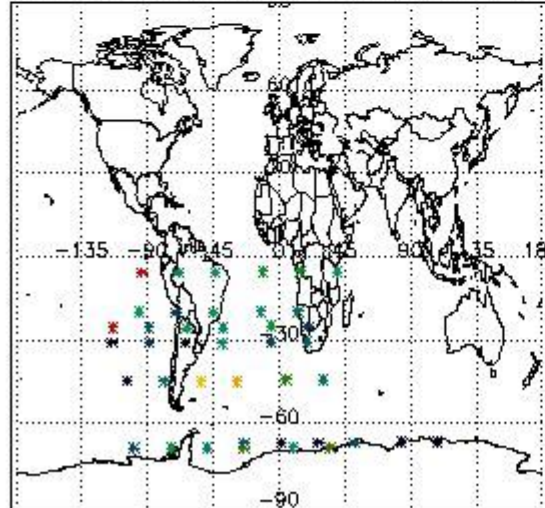
Percentage of flagged data per O3 profile



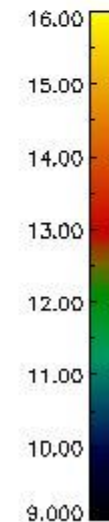
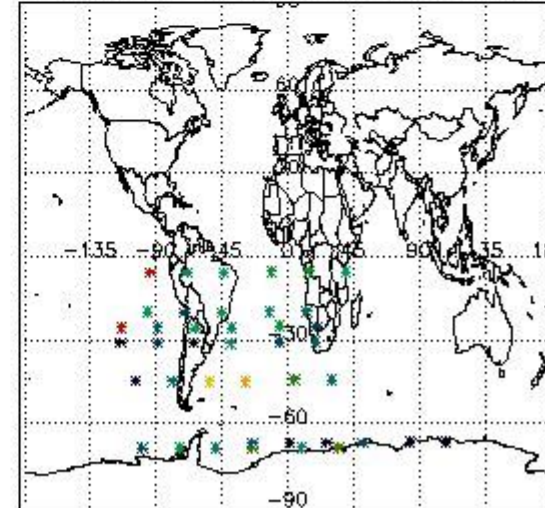
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

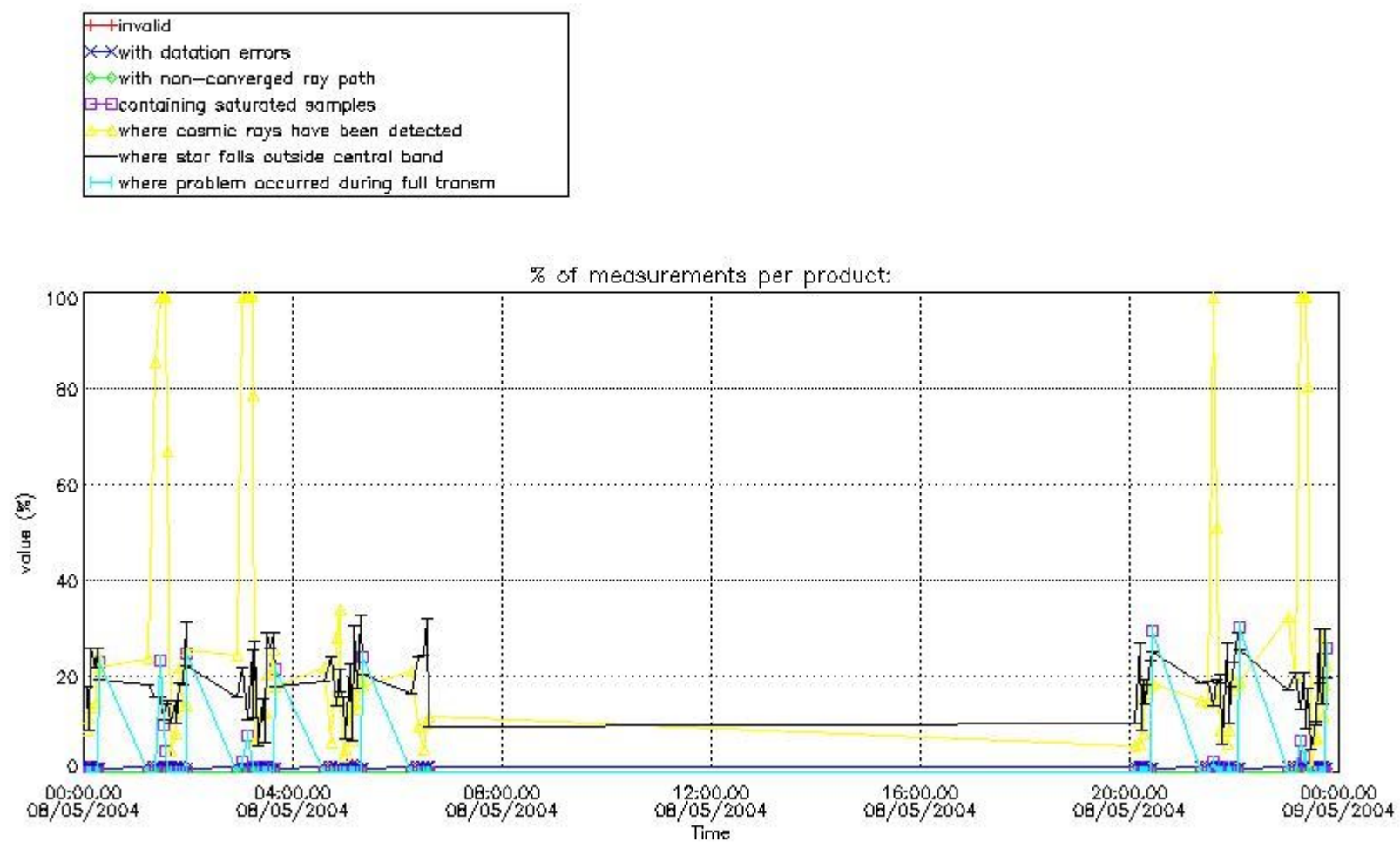


4. Level 1 quality information per product

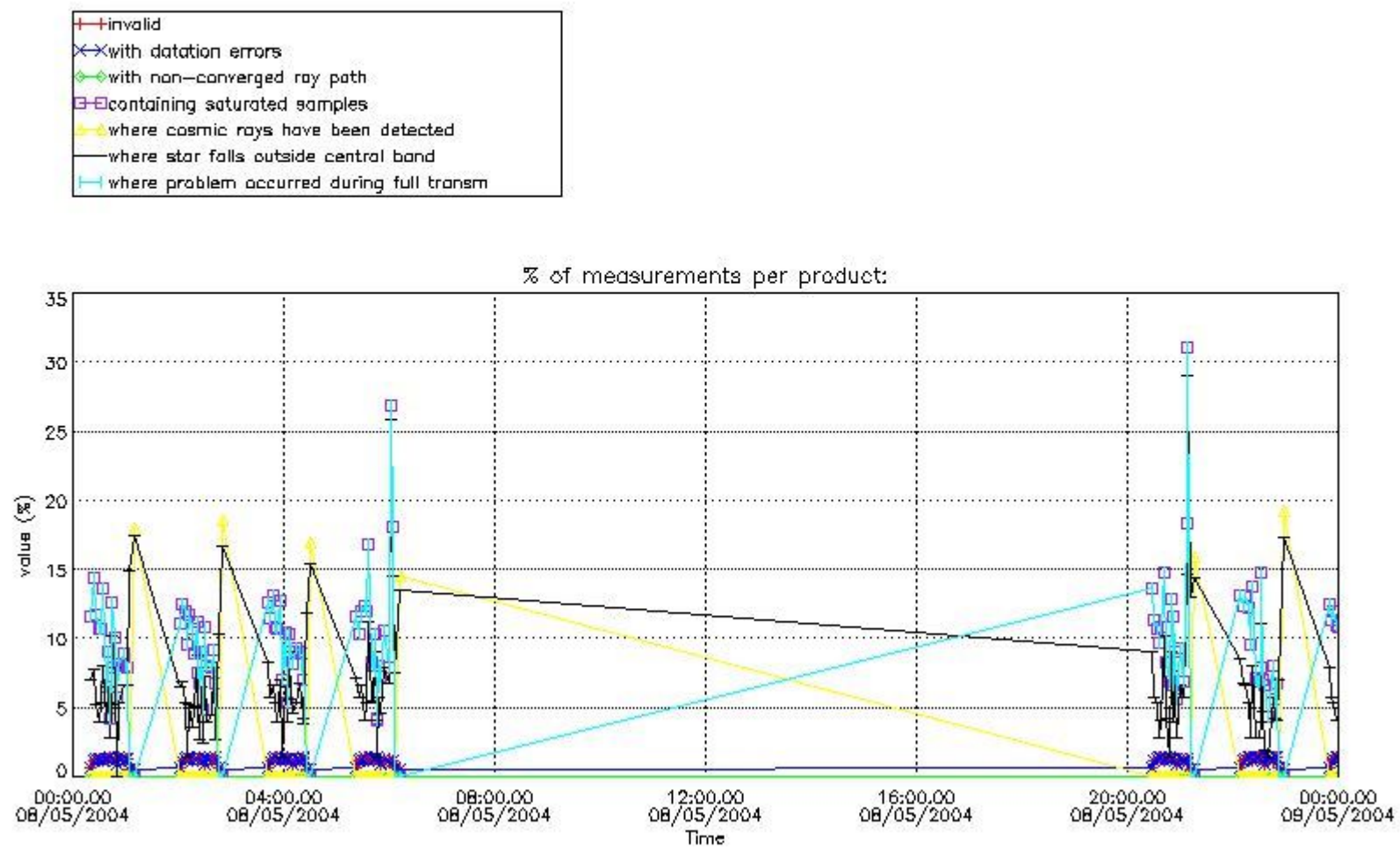
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



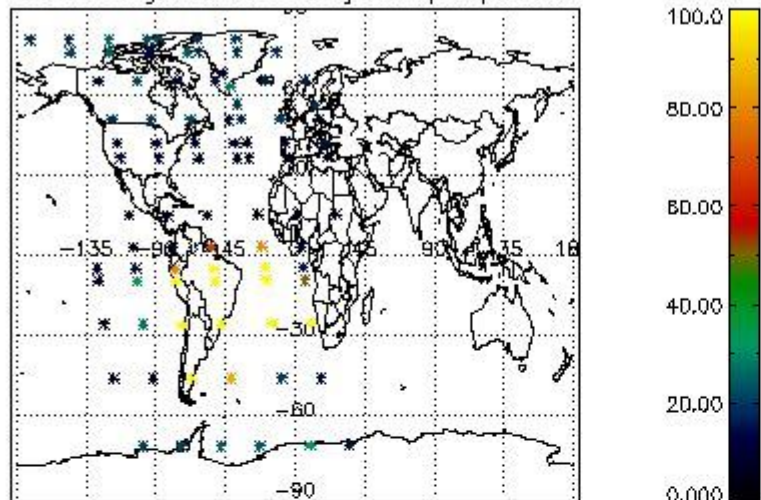
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



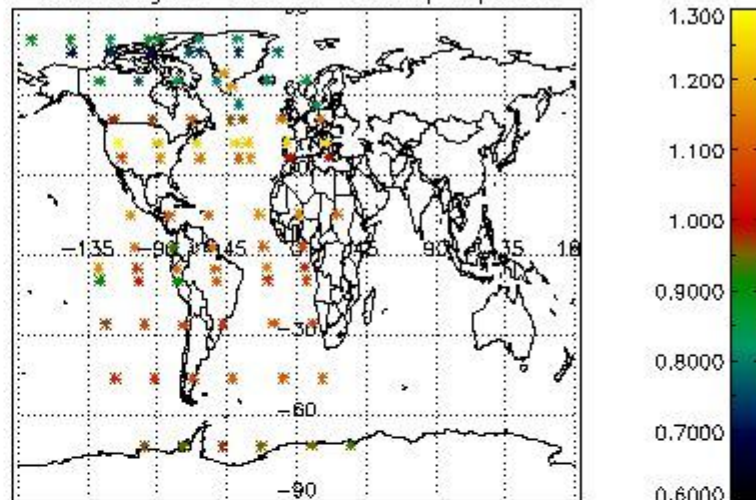
4.2 Plot quality information per product coming from level 1b processing (world map)

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

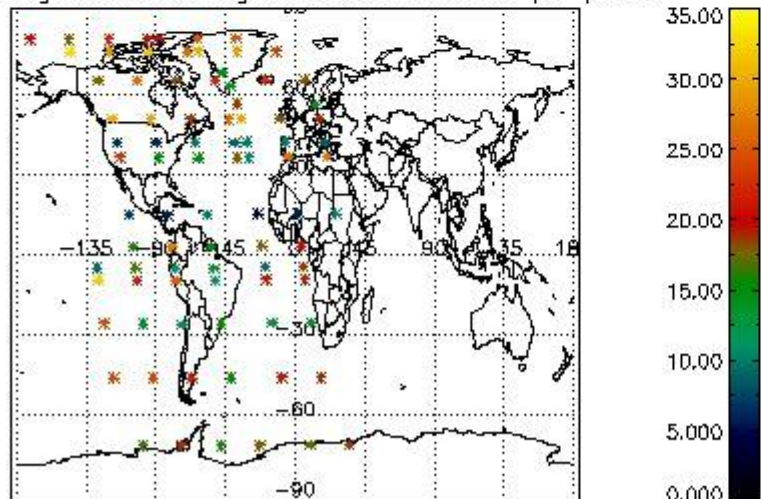
Percentage of cosmic ray hits per profile



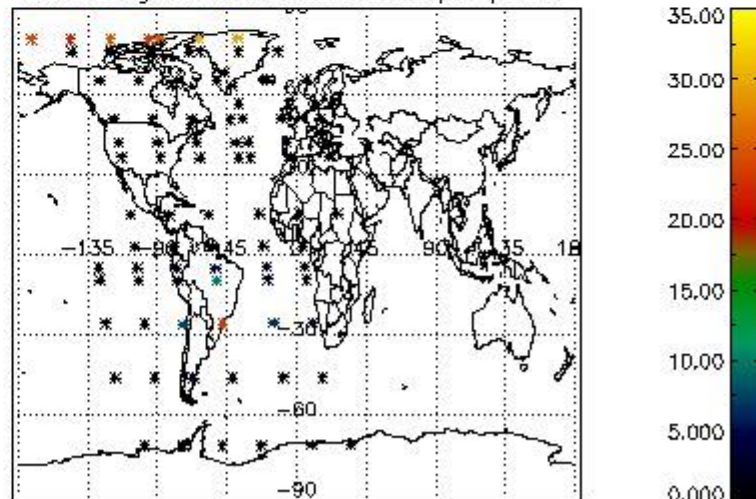
Percentage of datation errors per profile



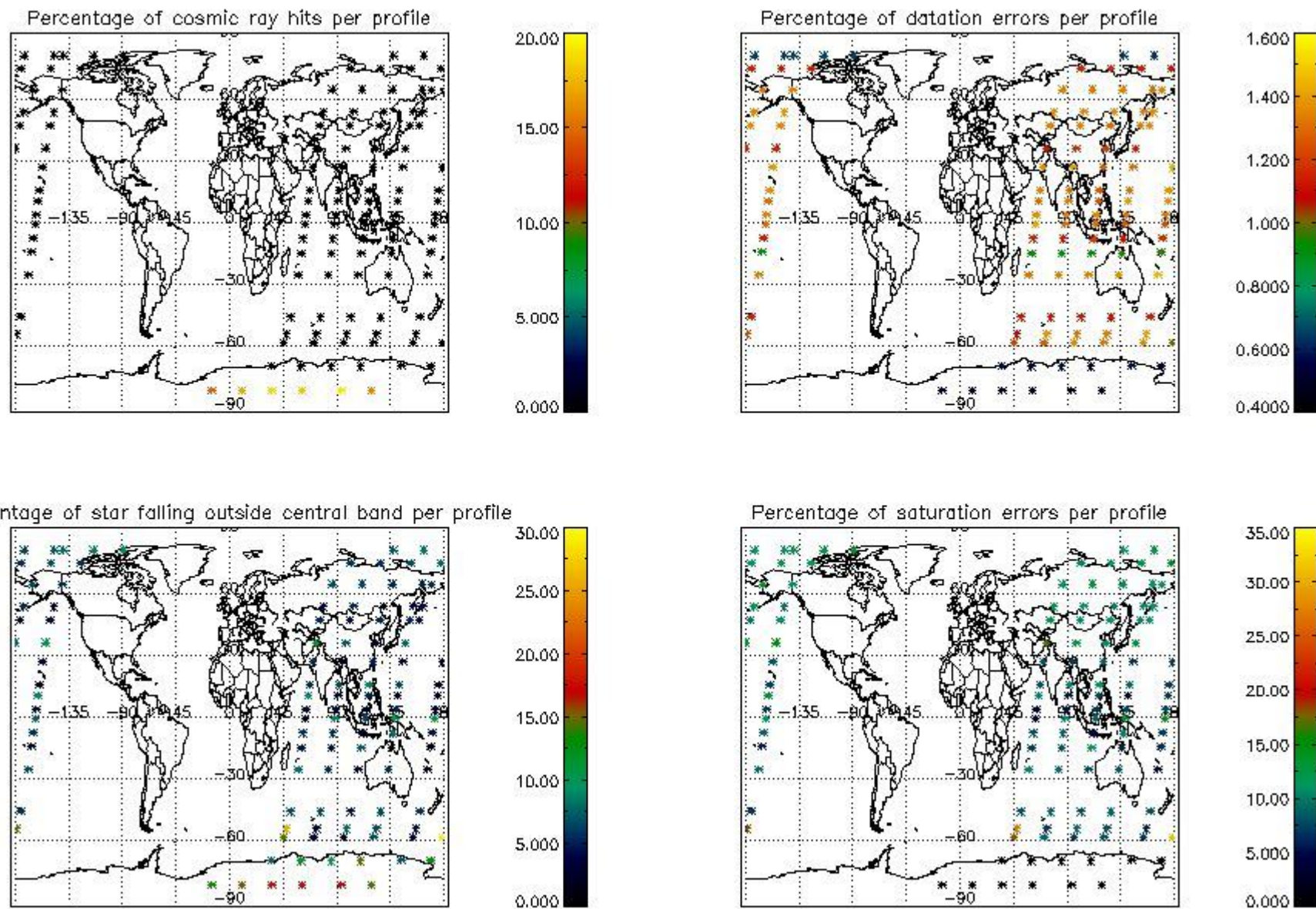
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

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

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

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

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

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

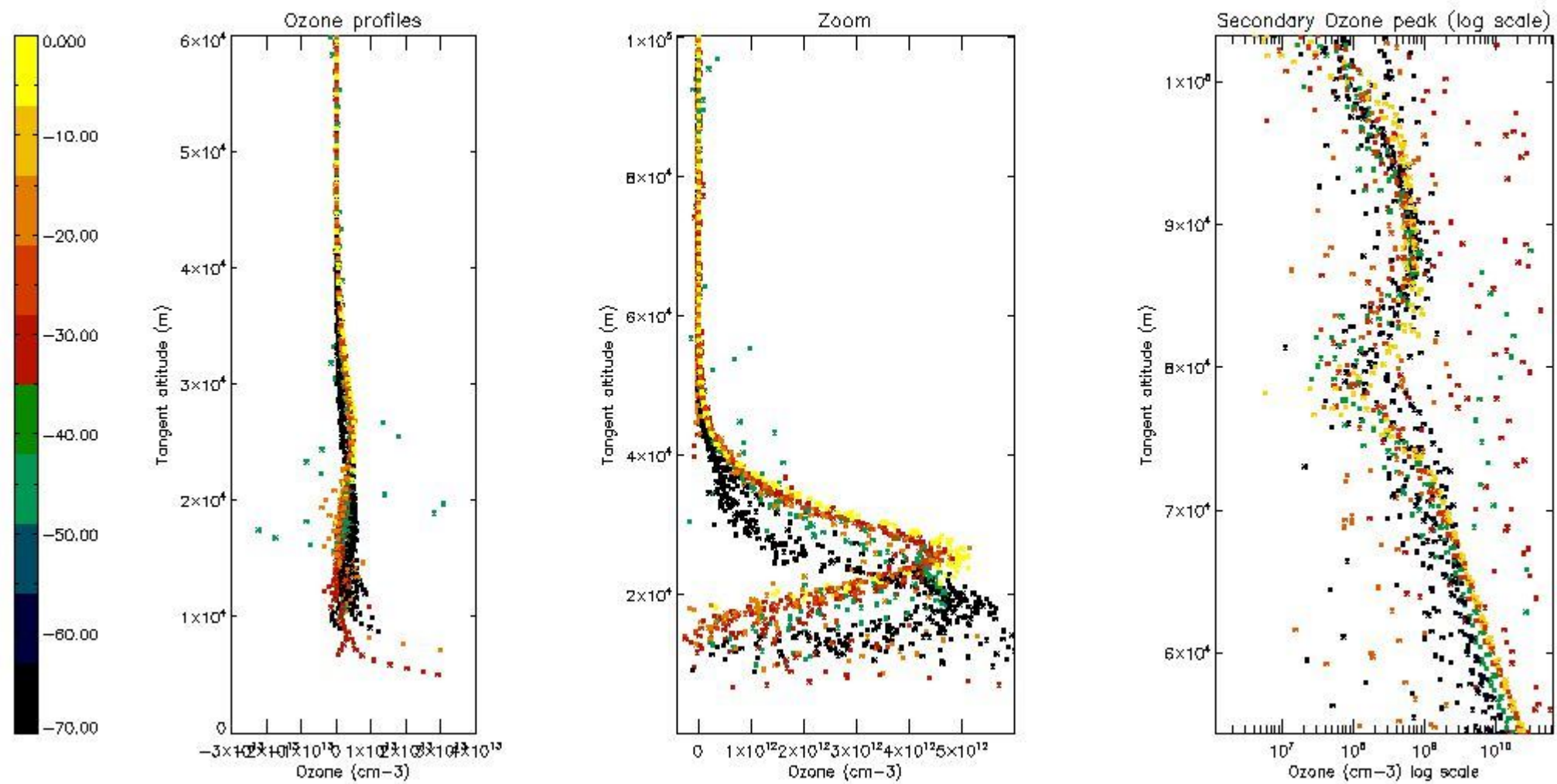
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	20
STD < 20	10

STD < 10	7
STD < 5	5

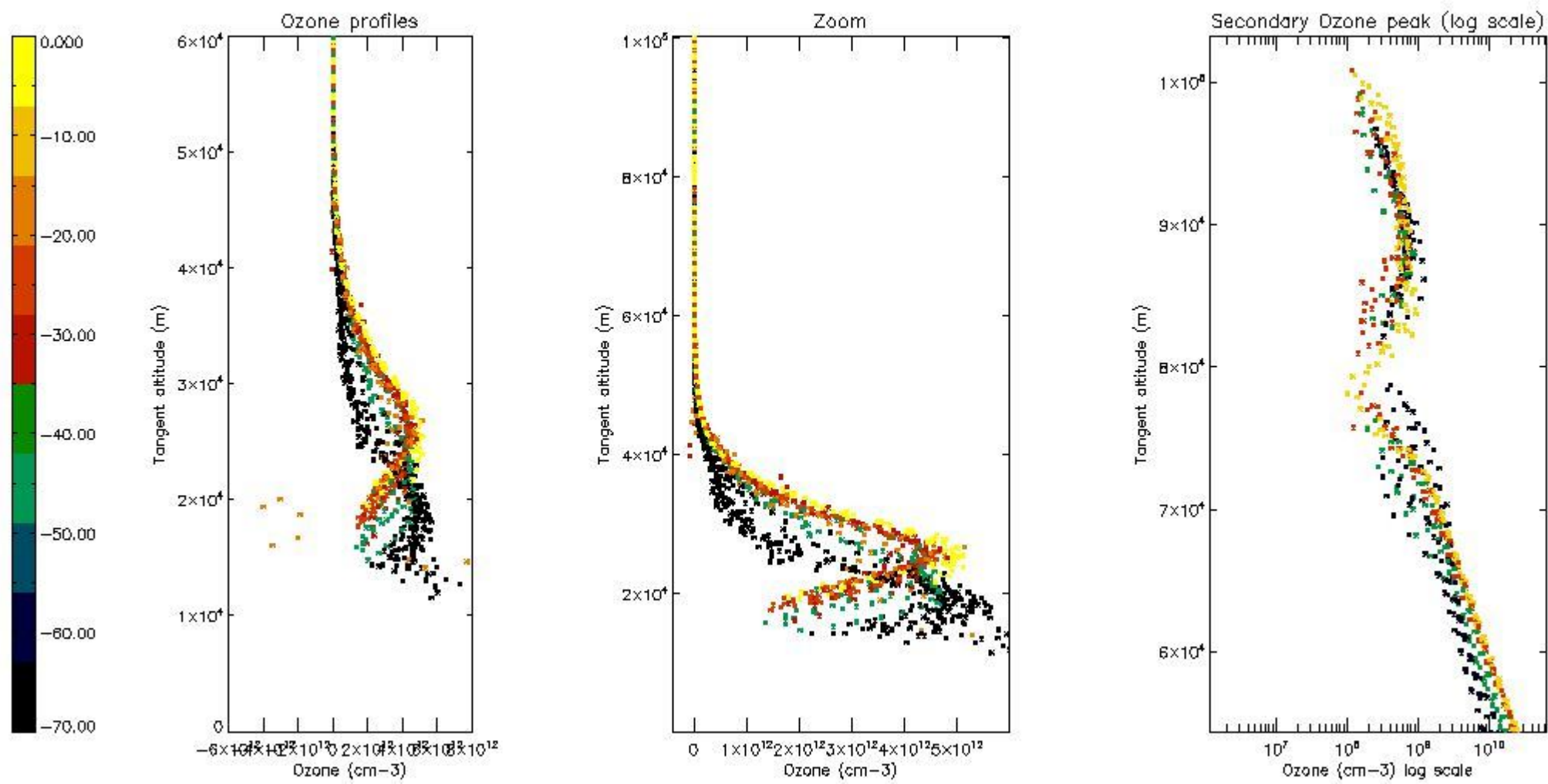
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



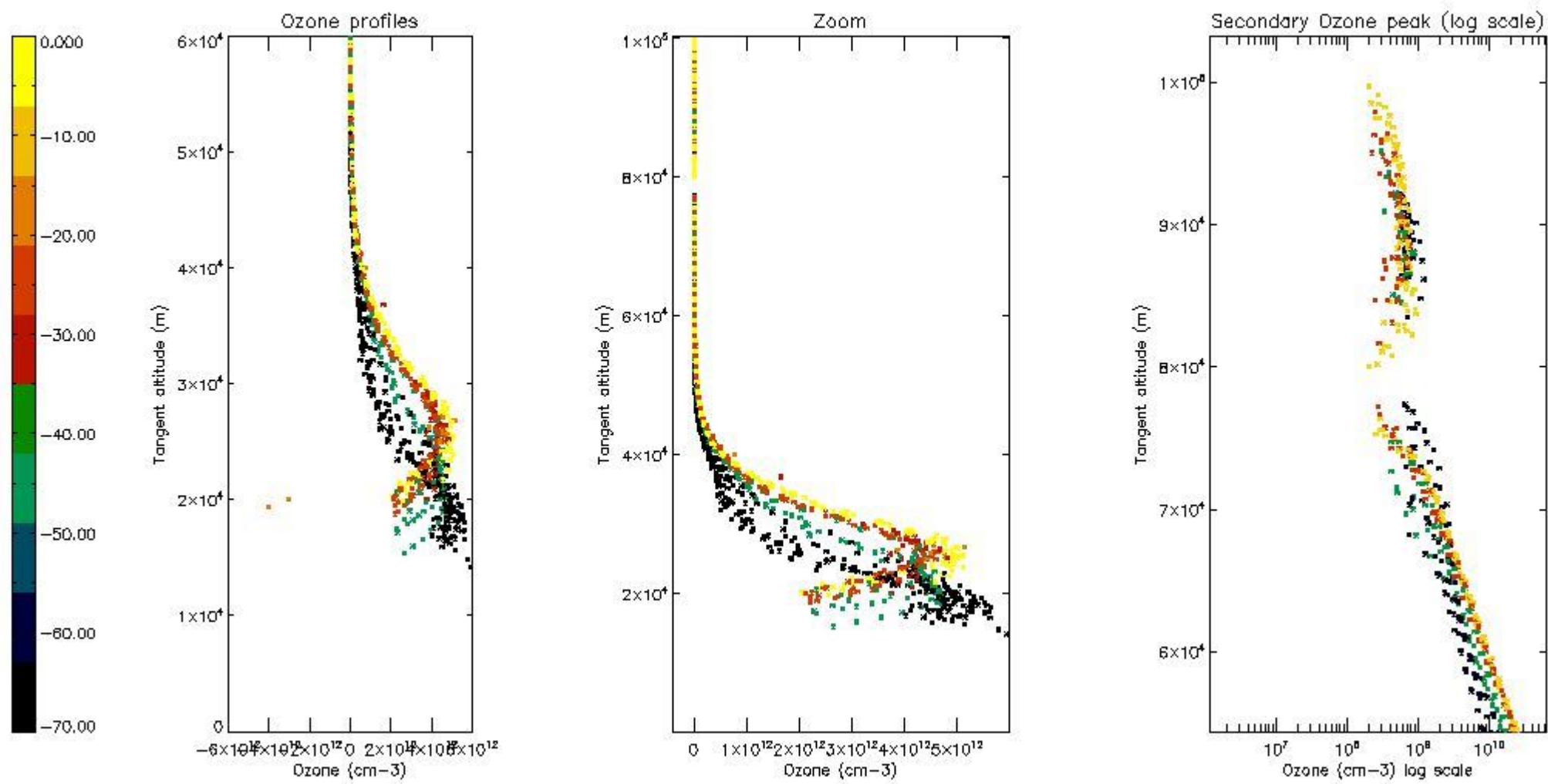
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



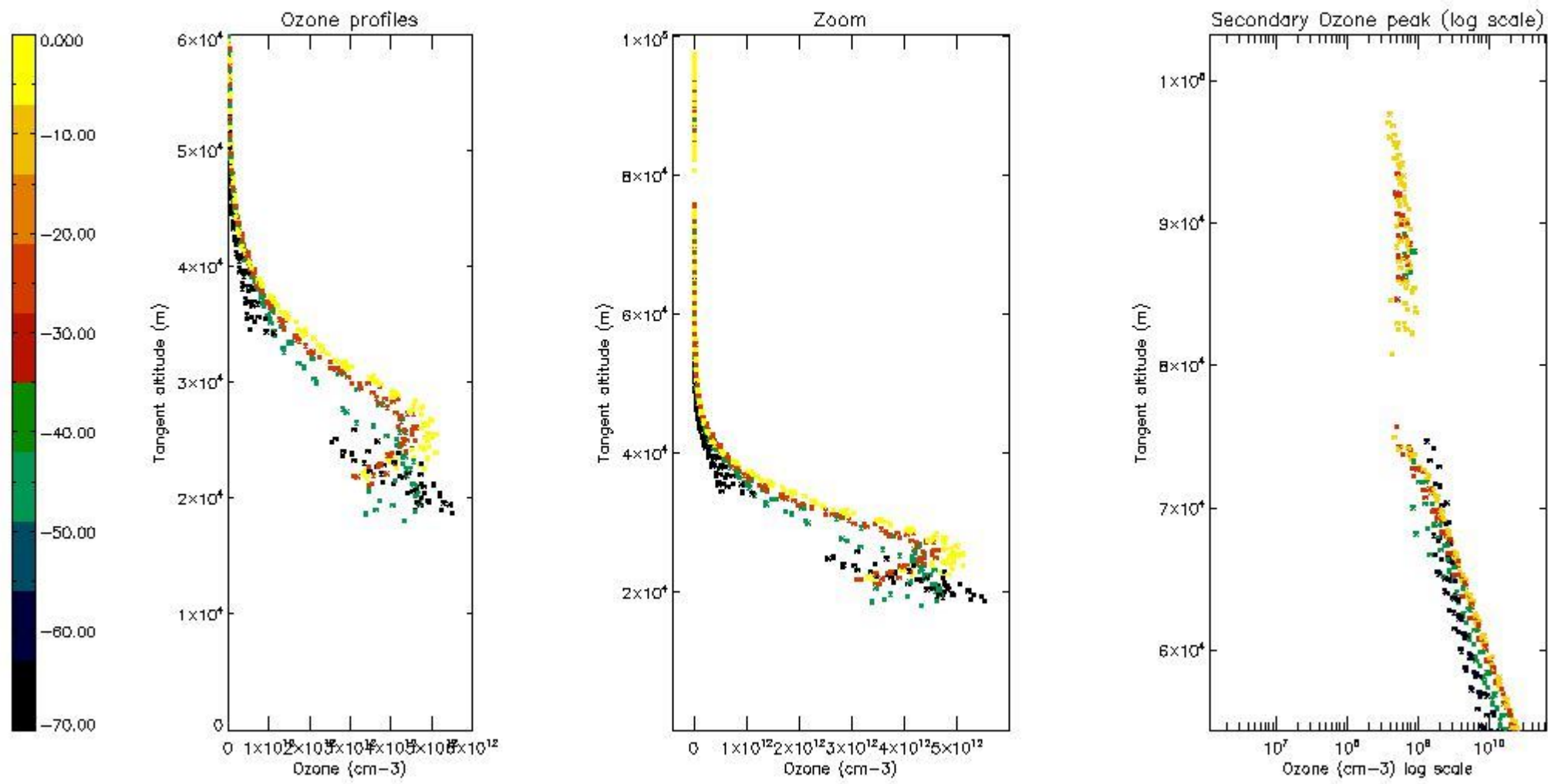
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



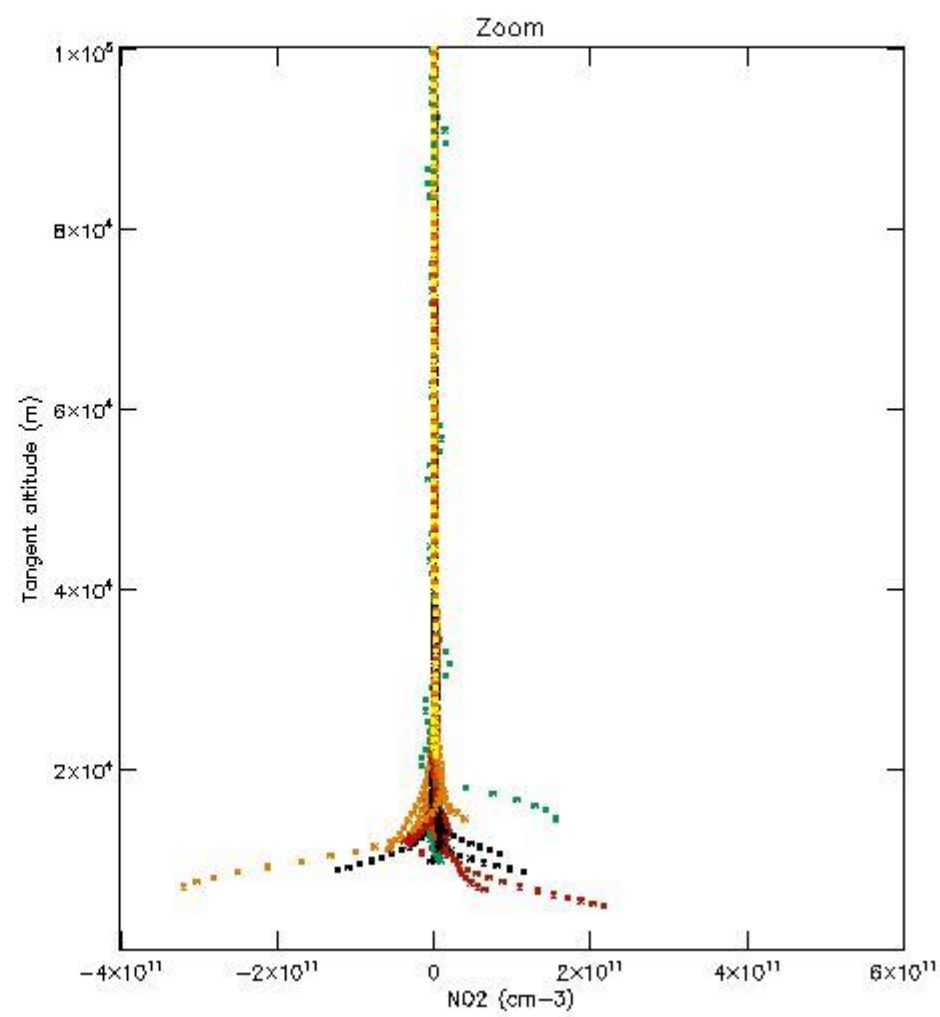
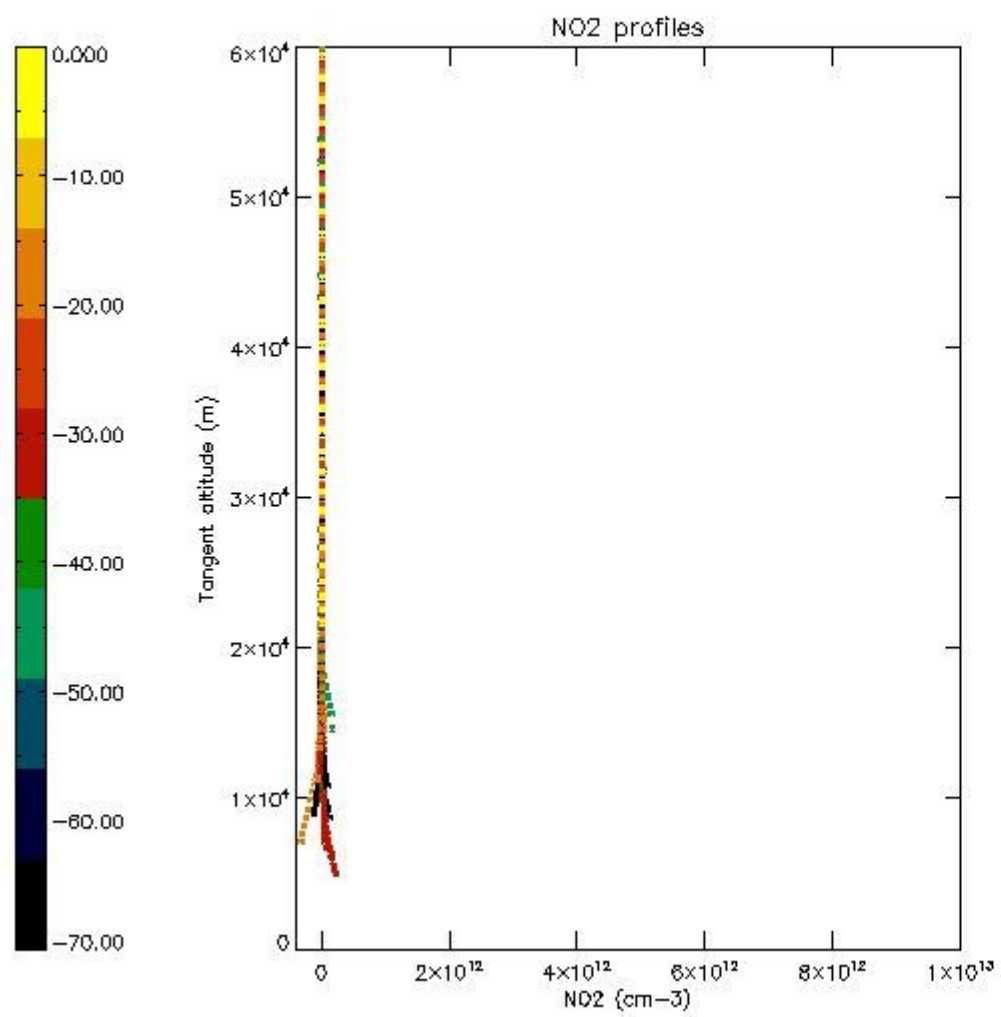
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



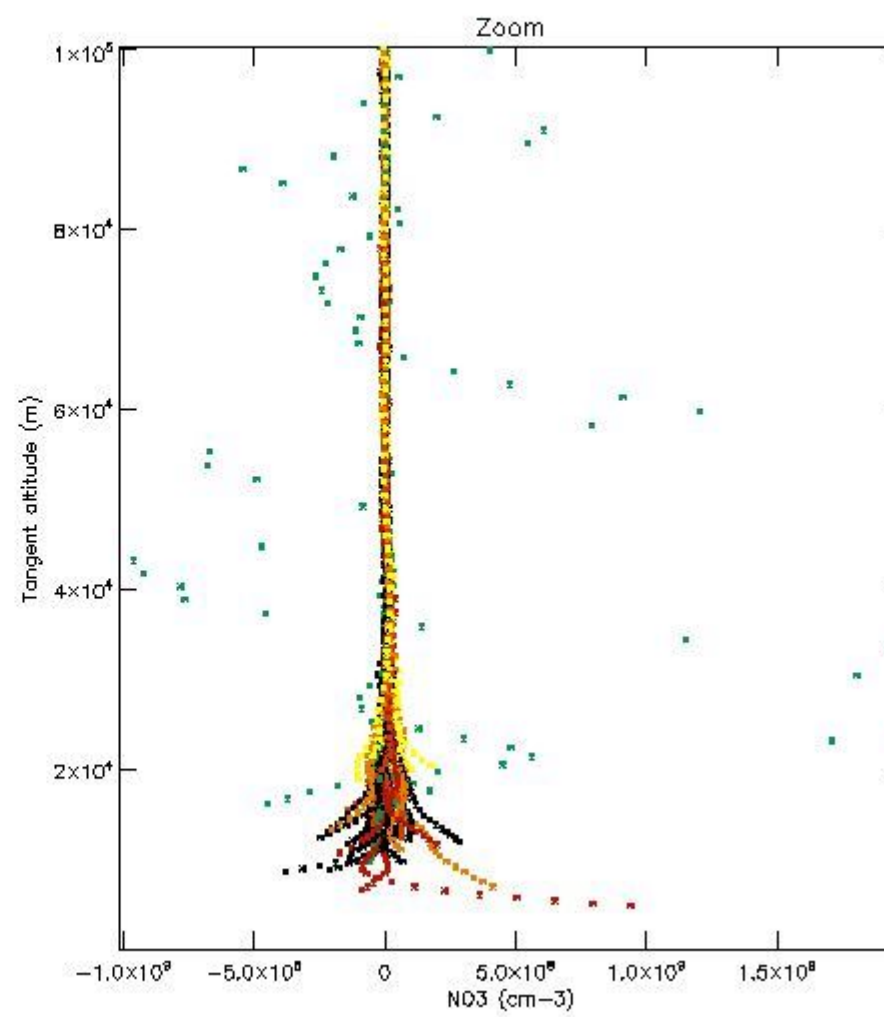
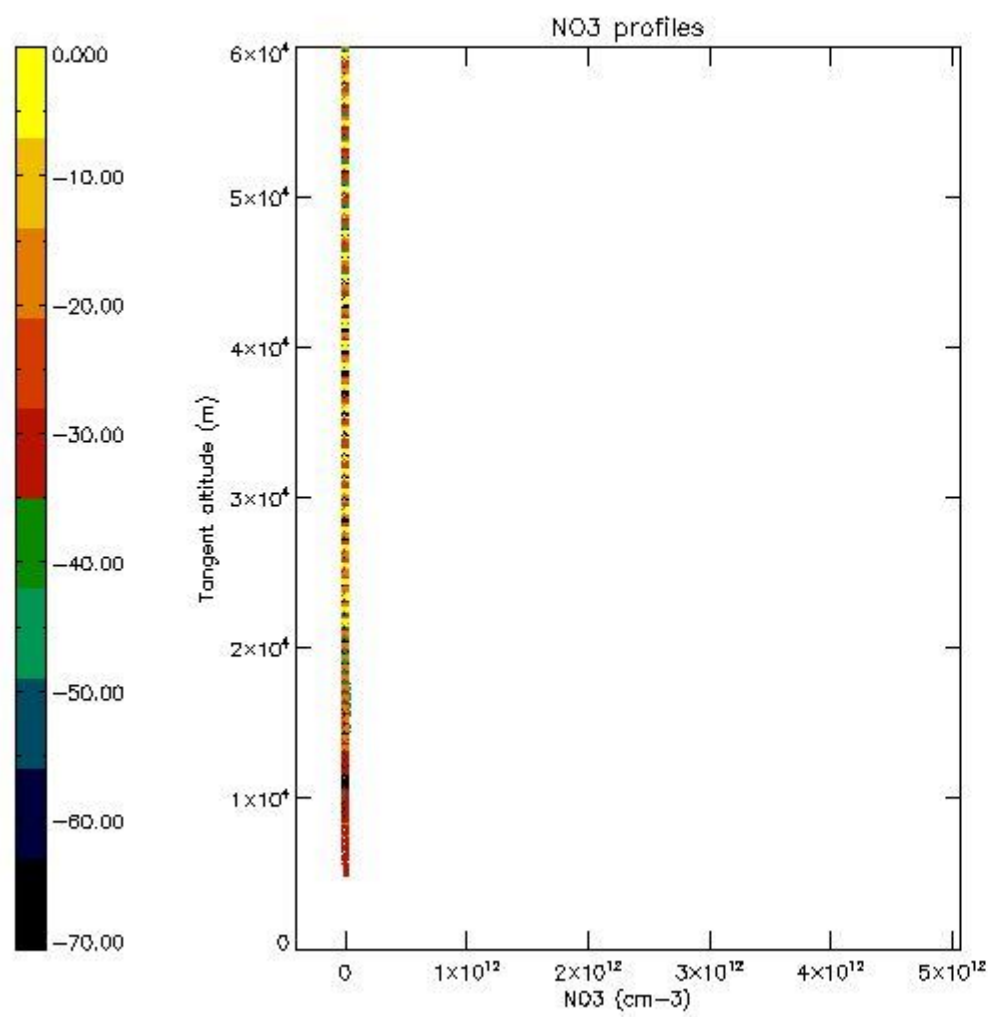
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



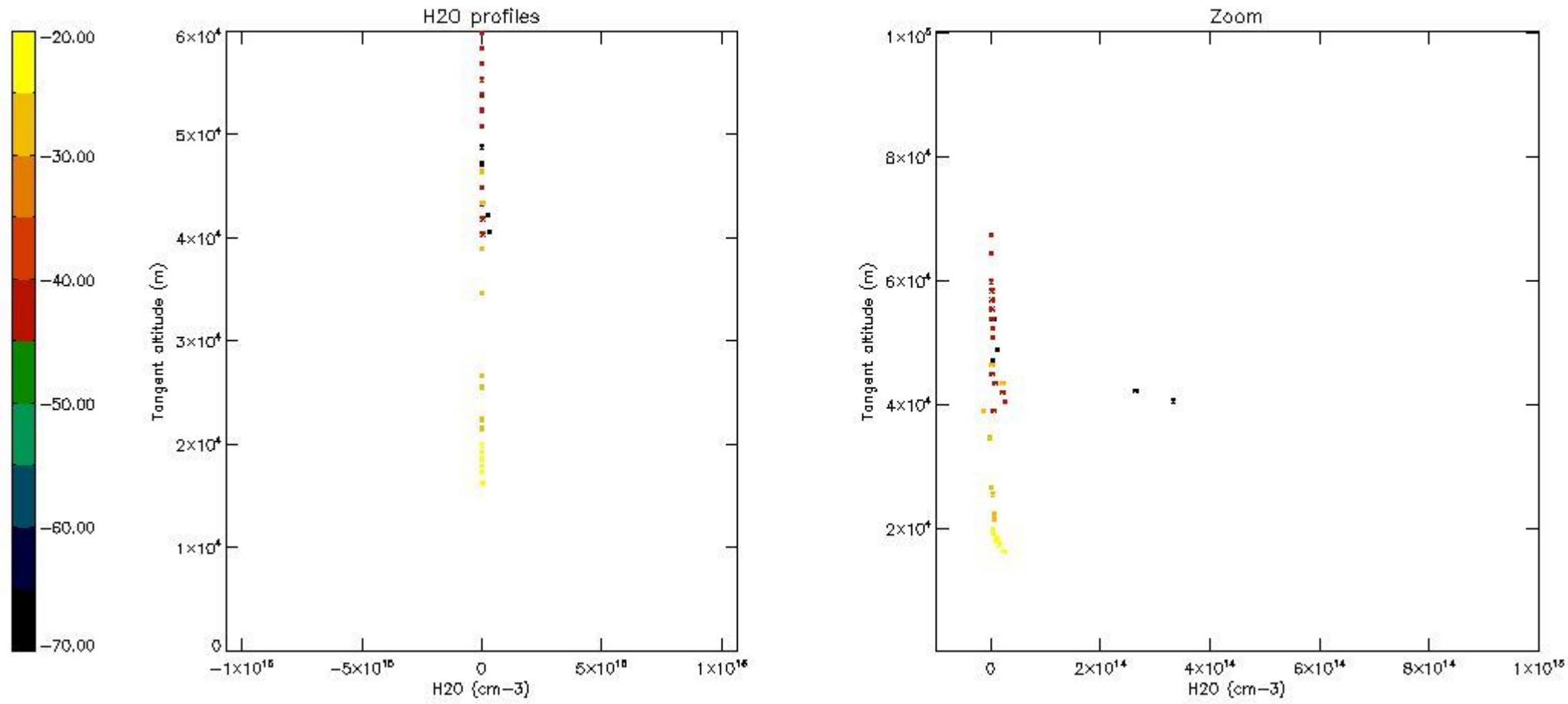
5.7 Plot NO3 profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

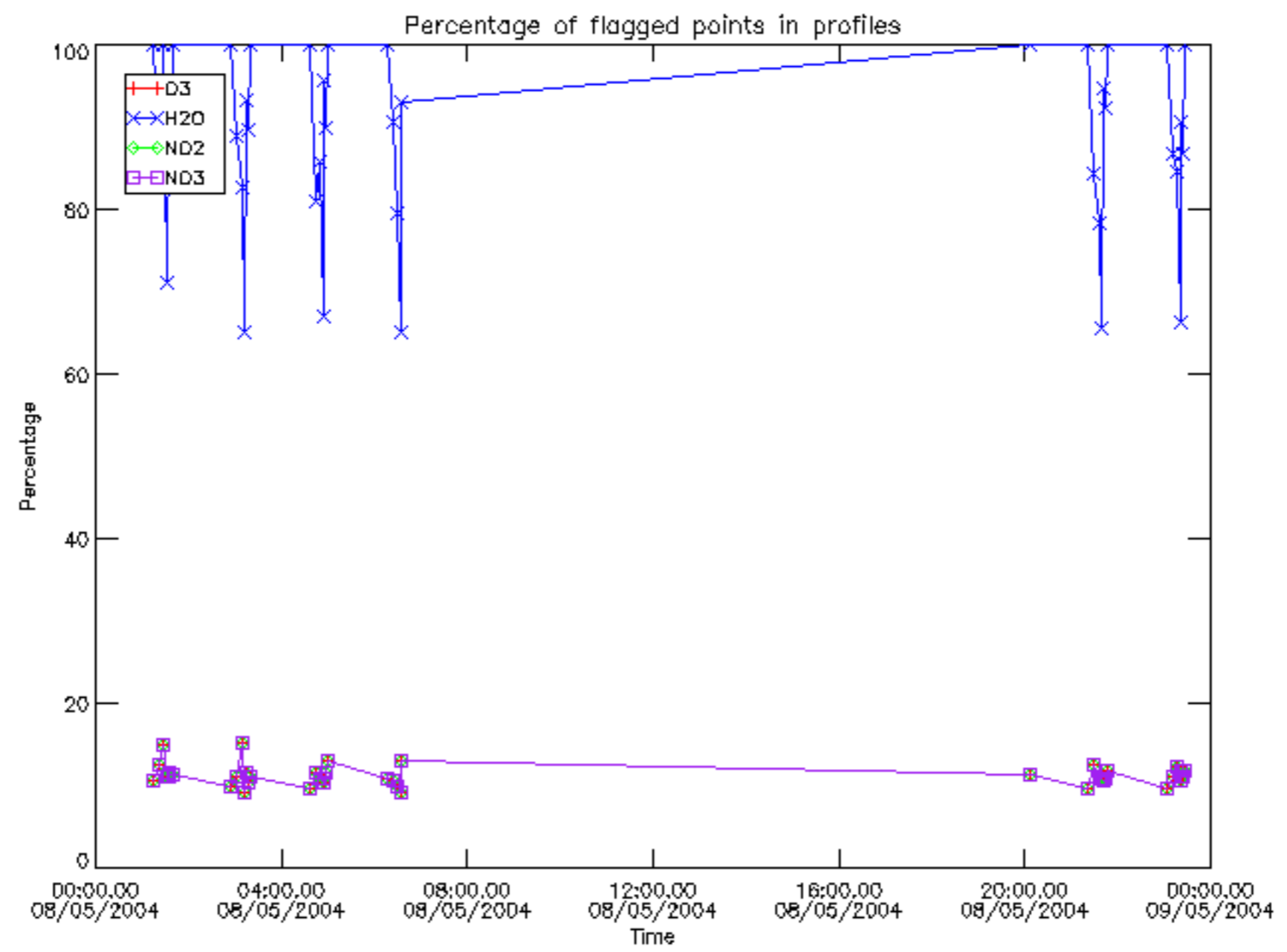
The colorbar represents the latitude.



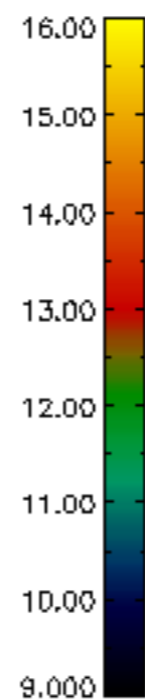
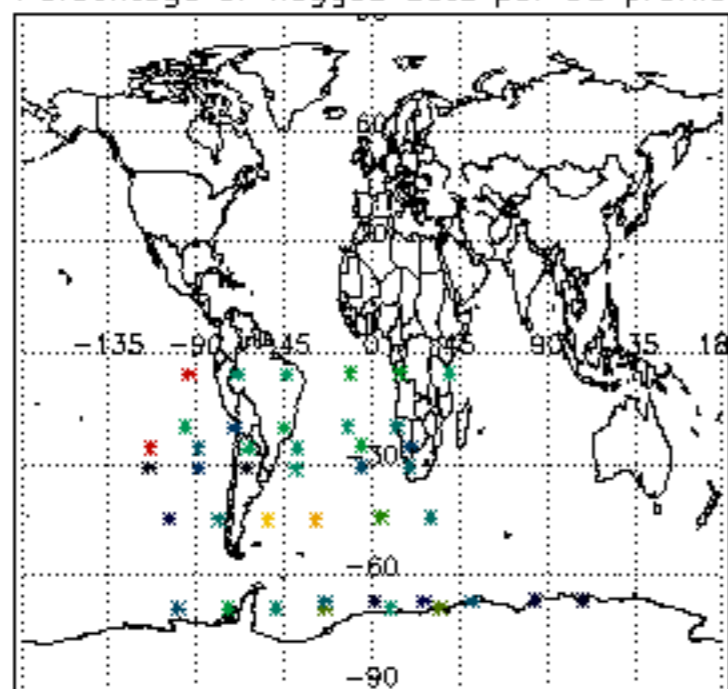
6. Auxiliary Data Files used for the production reported in section 2

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

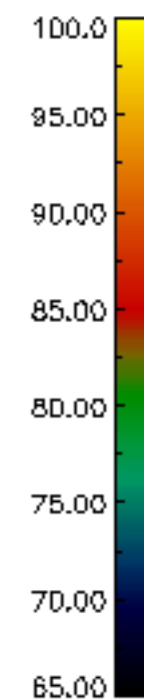
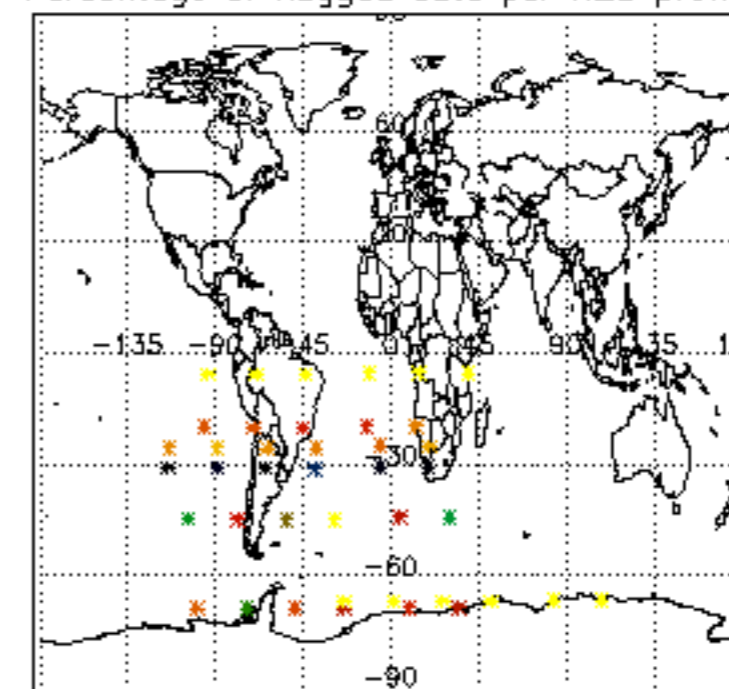
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	08-MAY-2004 00:04:46
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	08-MAY-2004 00:04:46
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	08-MAY-2004 00:04:46



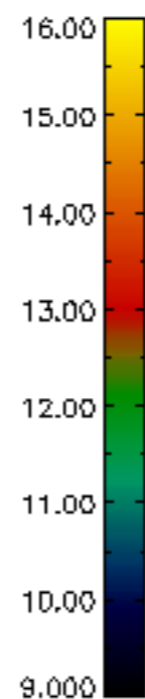
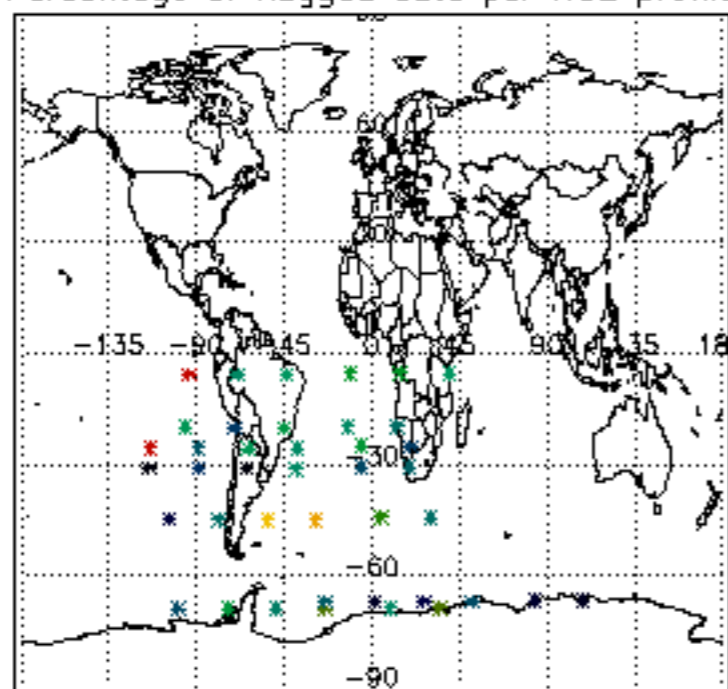
Percentage of flagged data per D3 profile



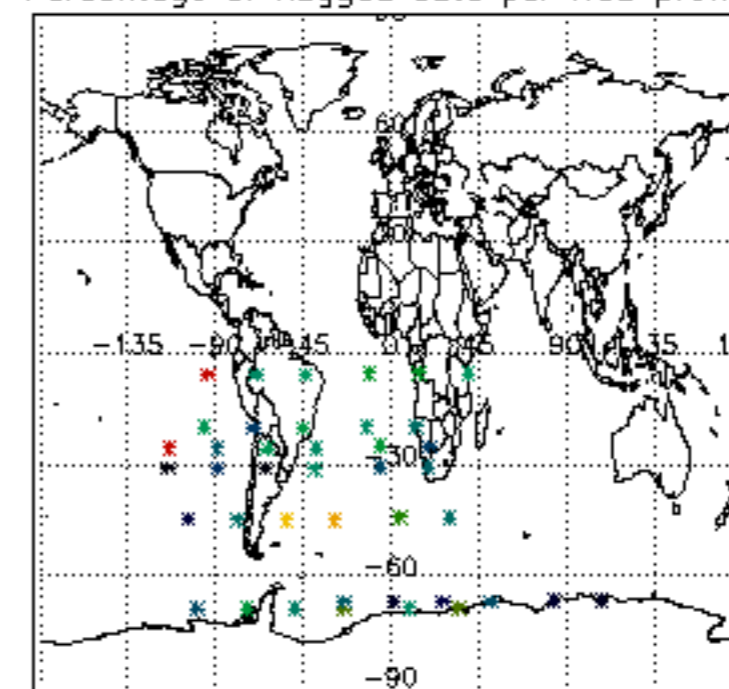
Percentage of flagged data per H2O profile

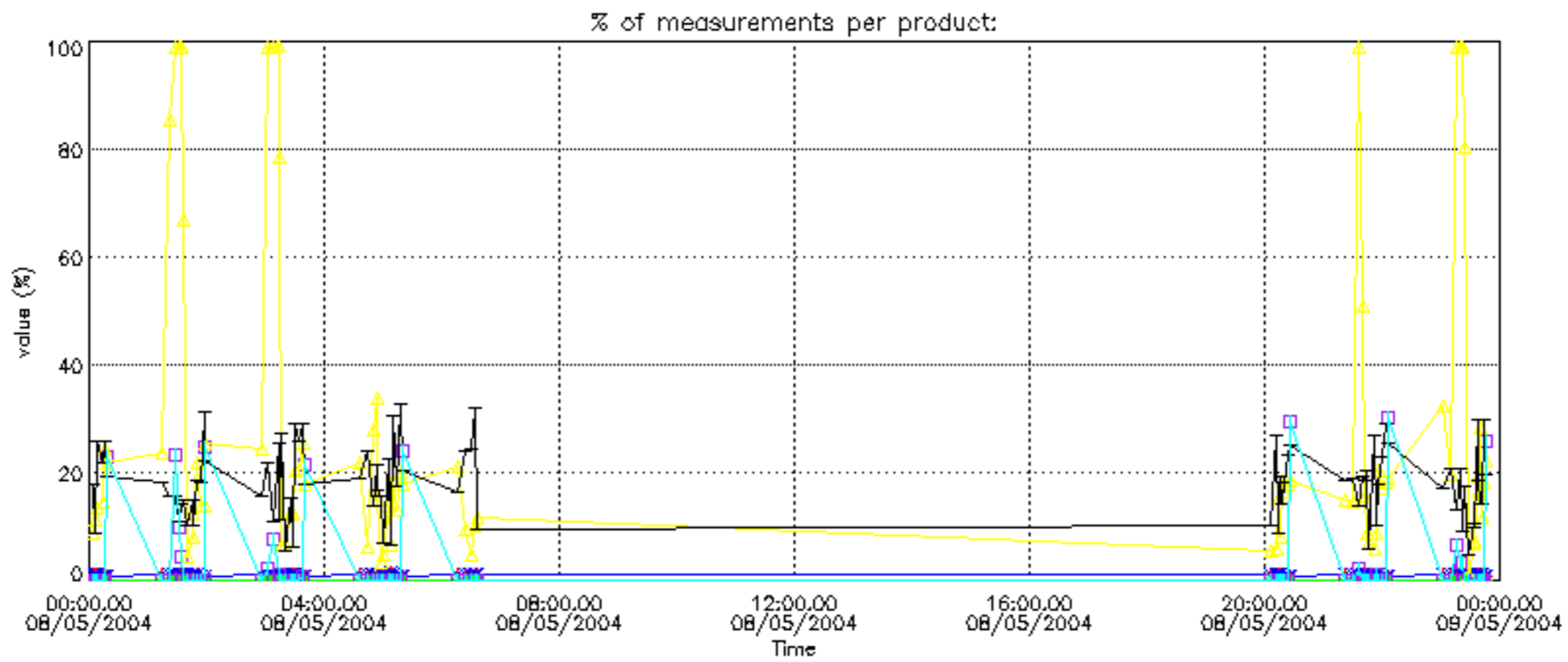


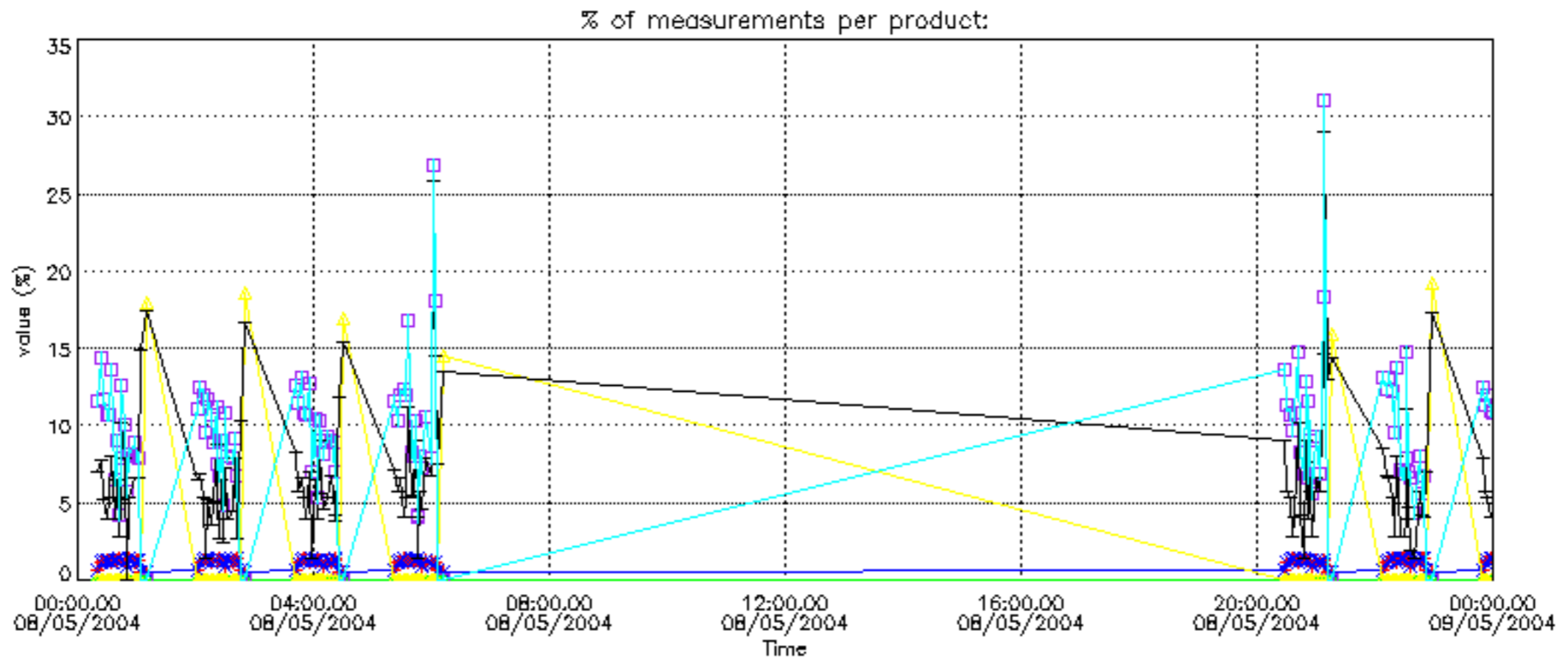
Percentage of flagged data per NO2 profile



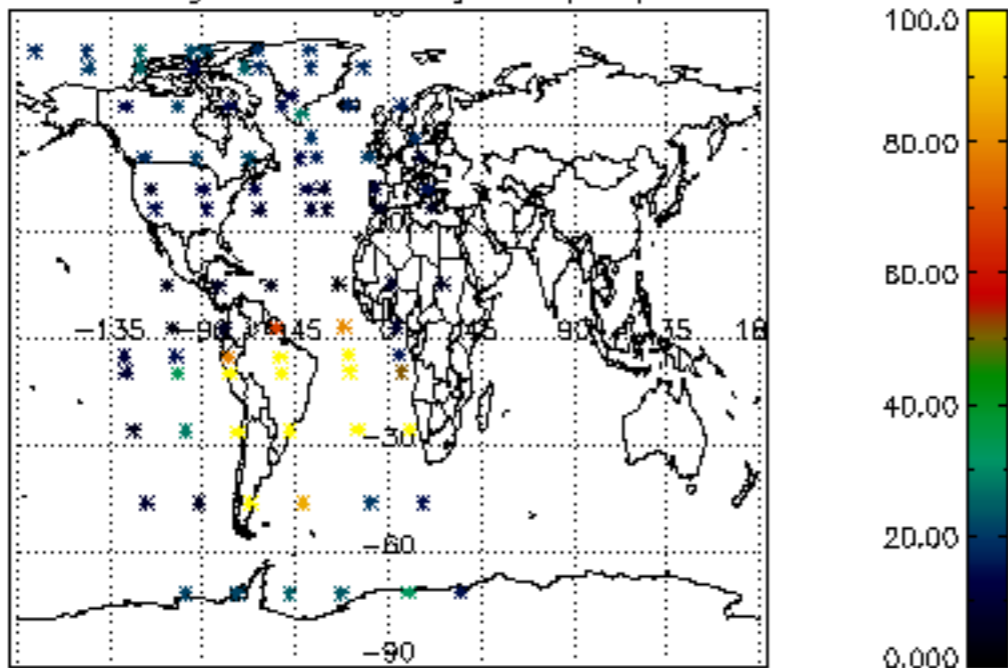
Percentage of flagged data per NO3 profile



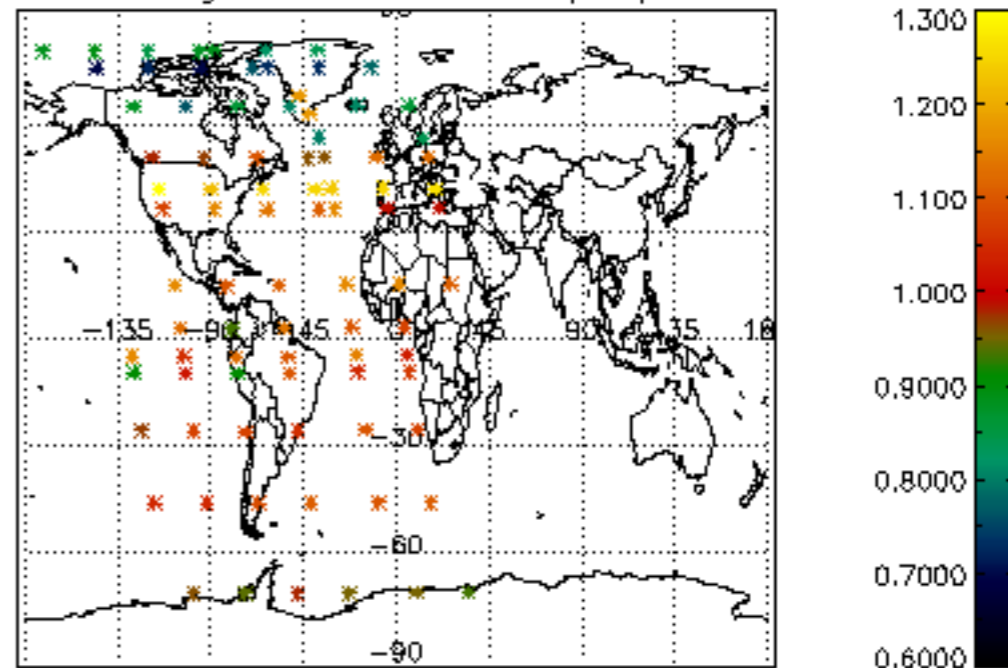




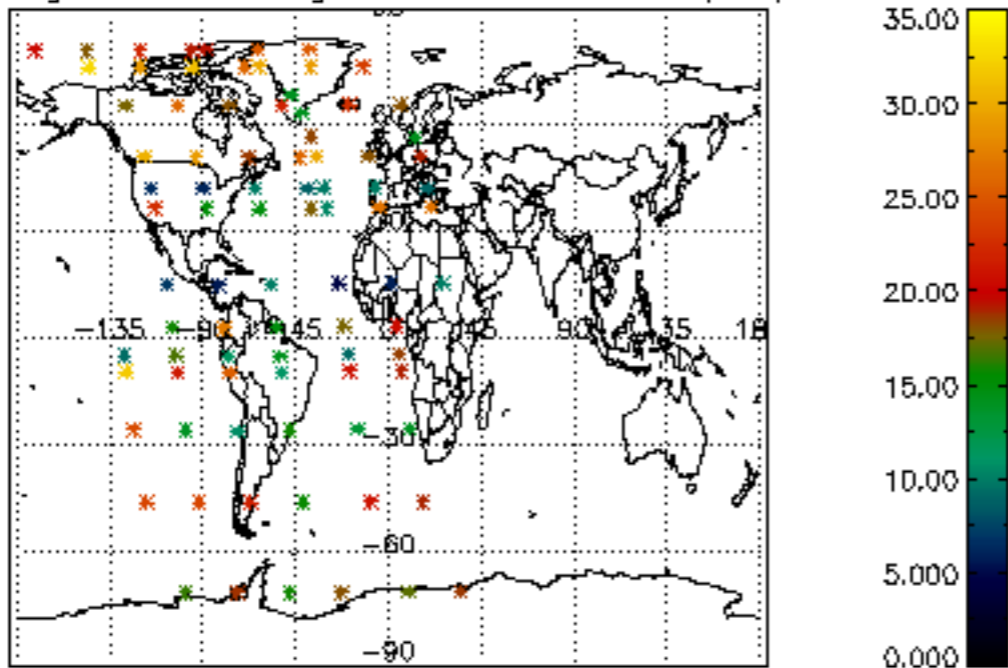
Percentage of cosmic ray hits per profile



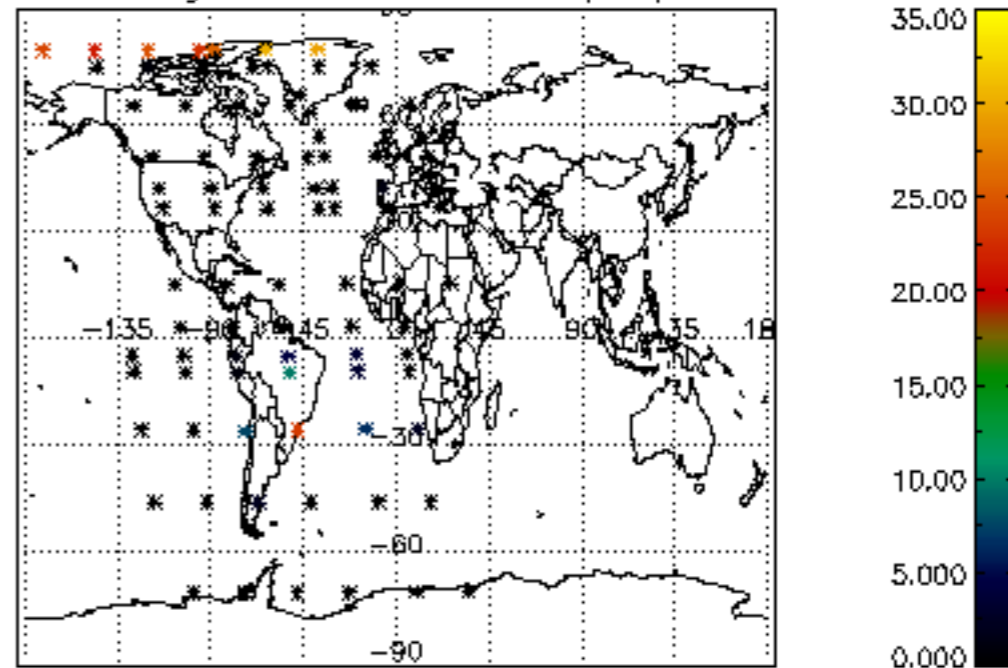
Percentage of datation errors per profile



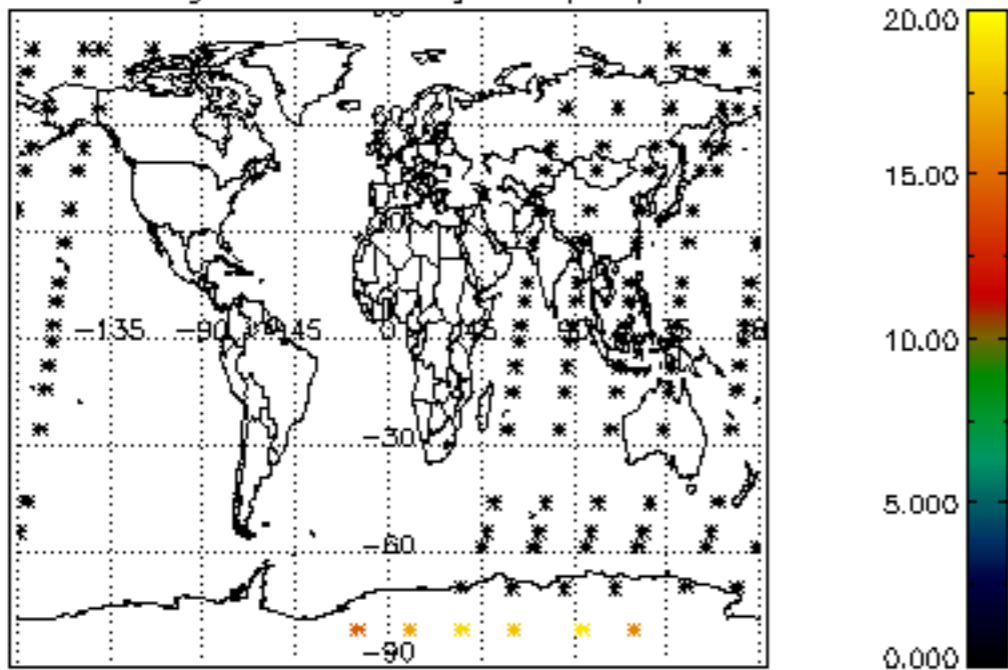
Percentage of star falling outside central band per profile



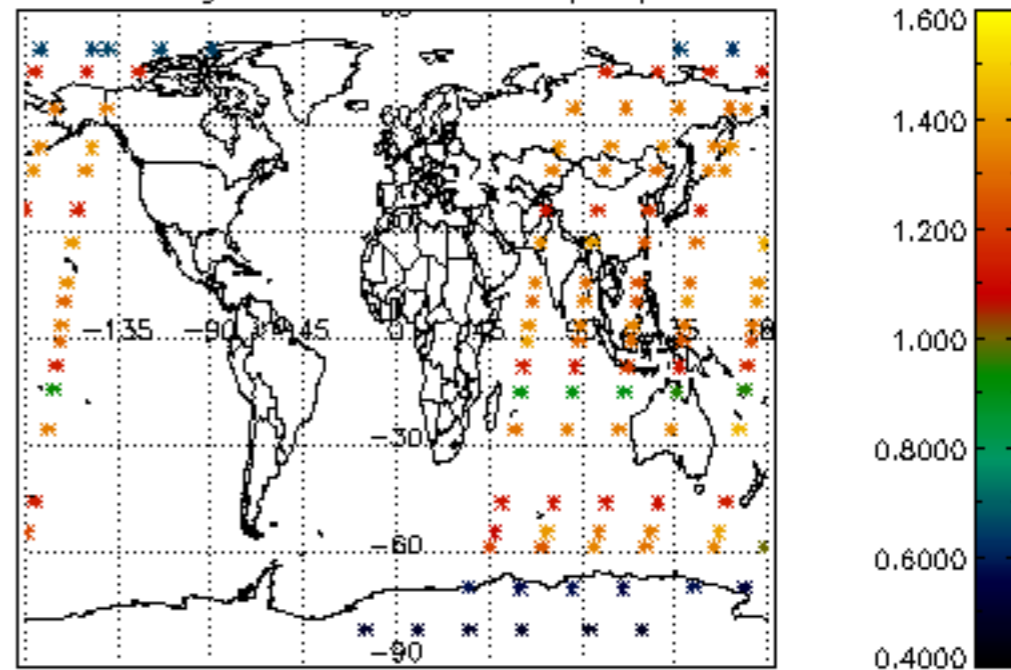
Percentage of saturation errors per profile



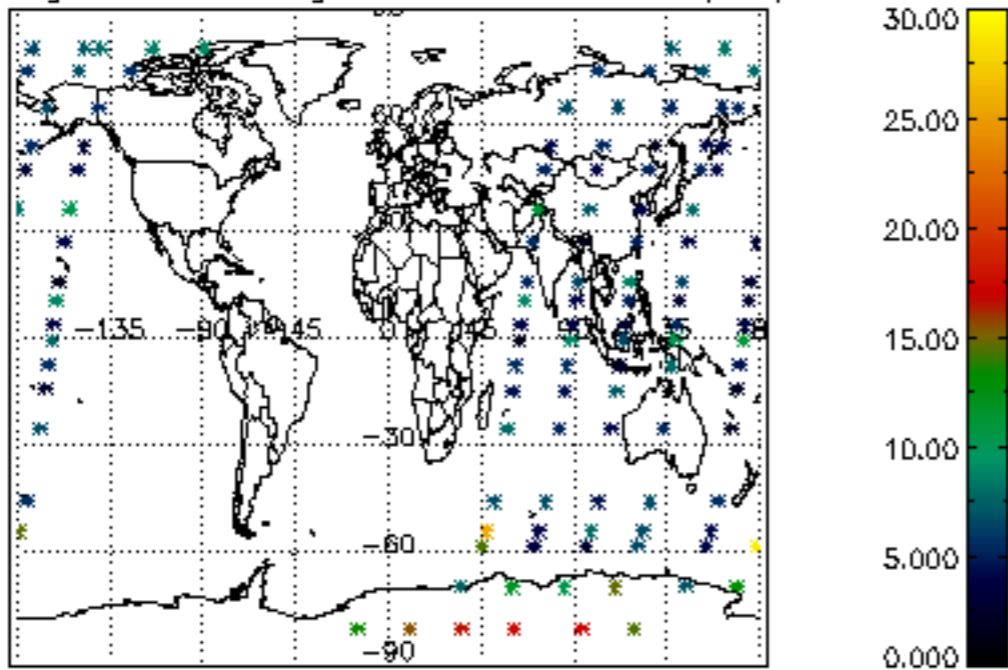
Percentage of cosmic ray hits per profile



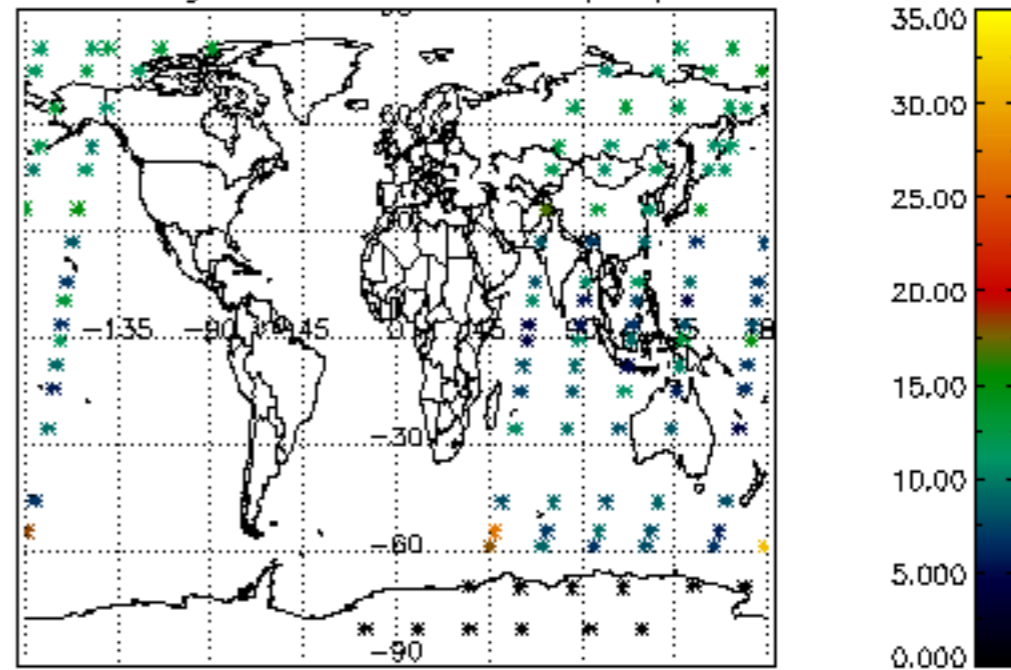
Percentage of datation errors per profile

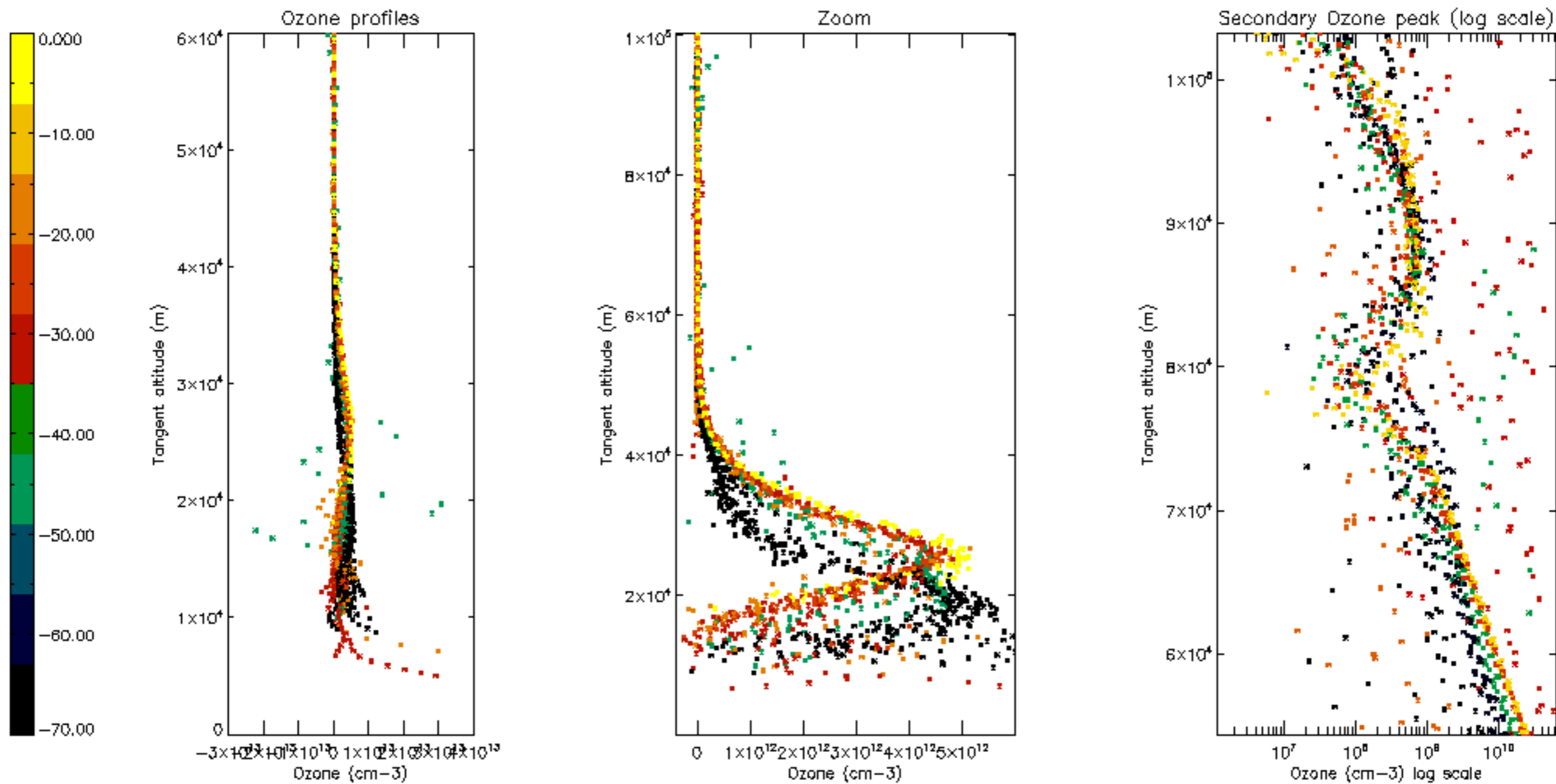


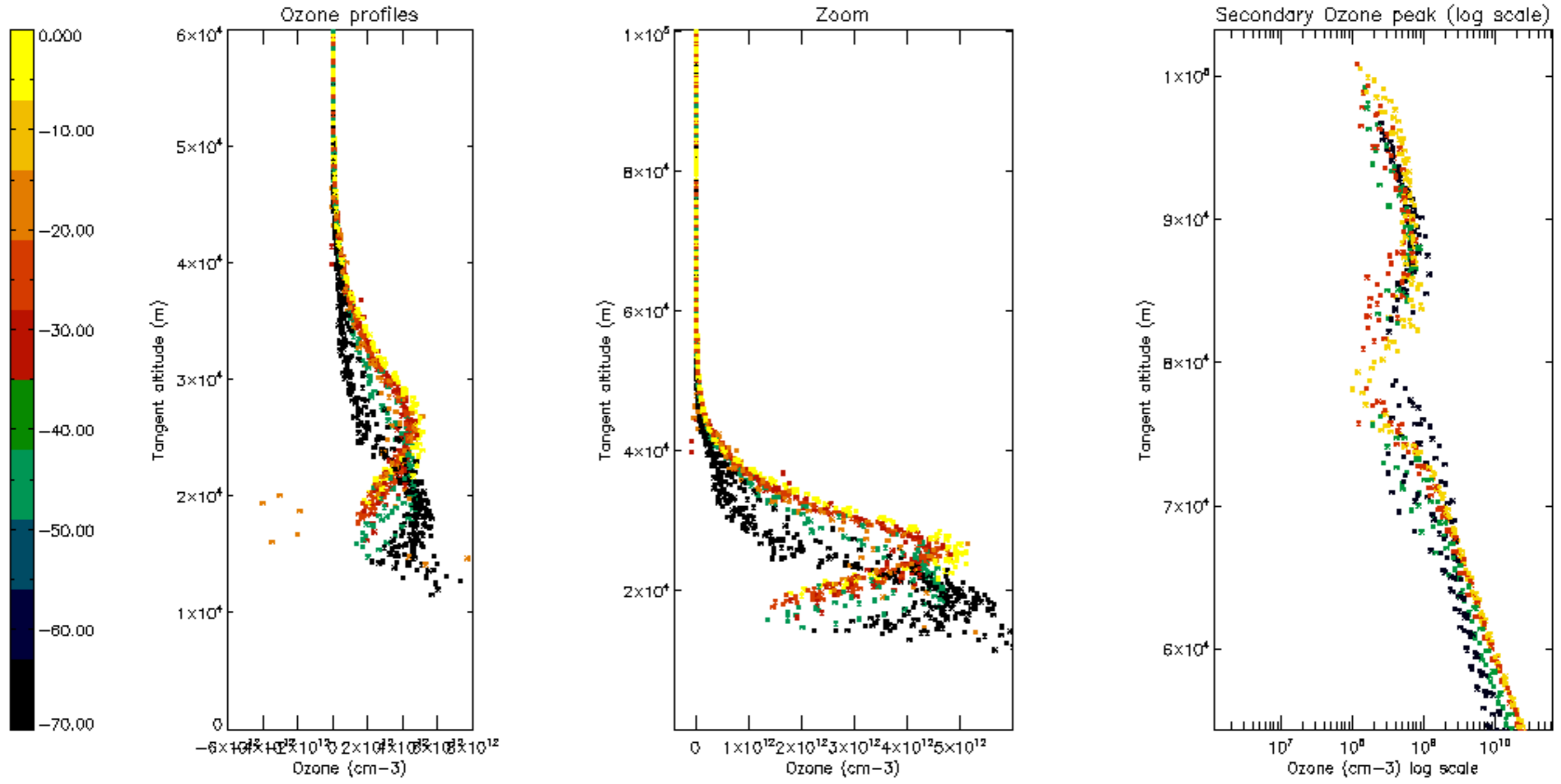
Percentage of star falling outside central band per profile

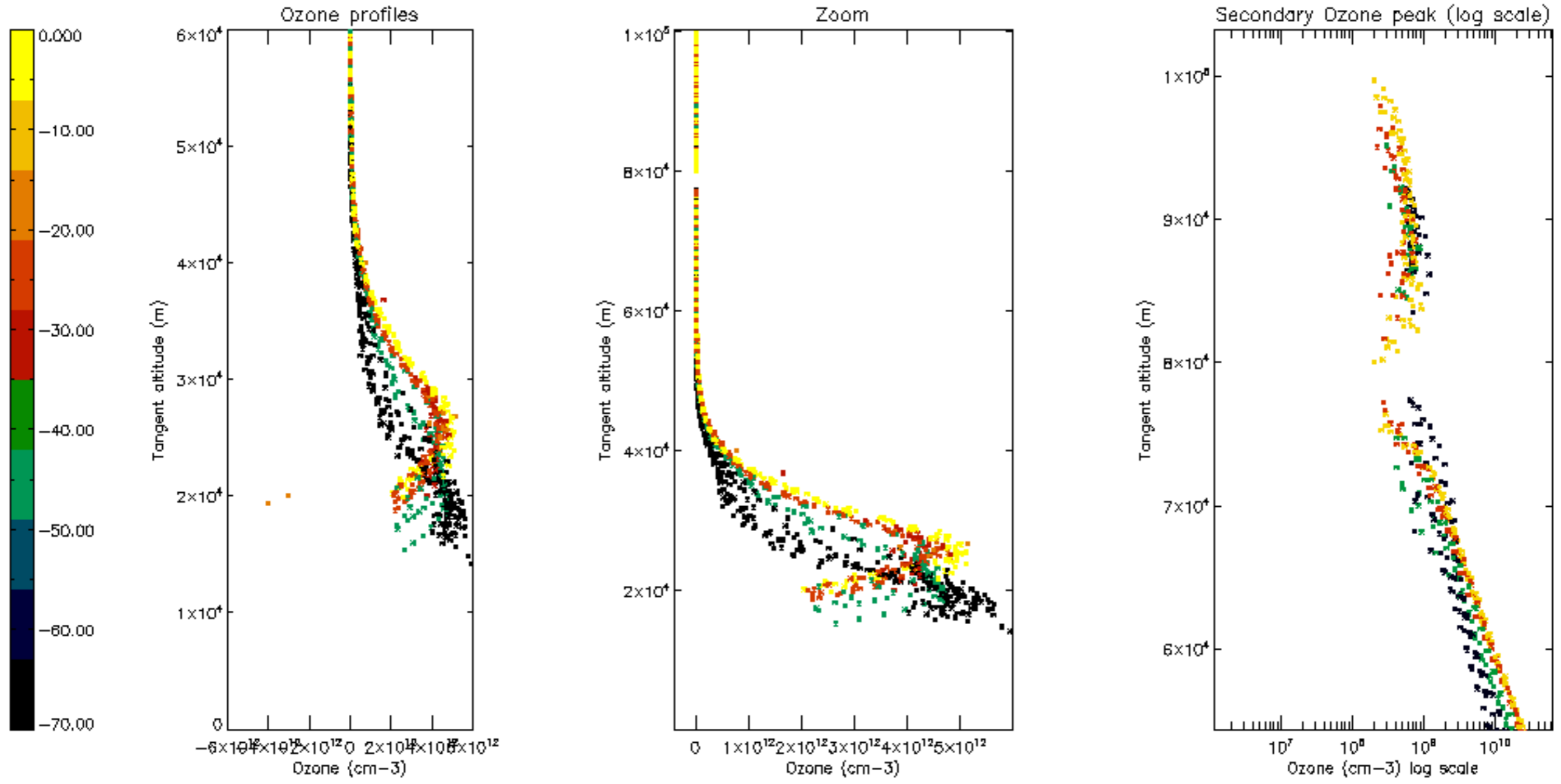


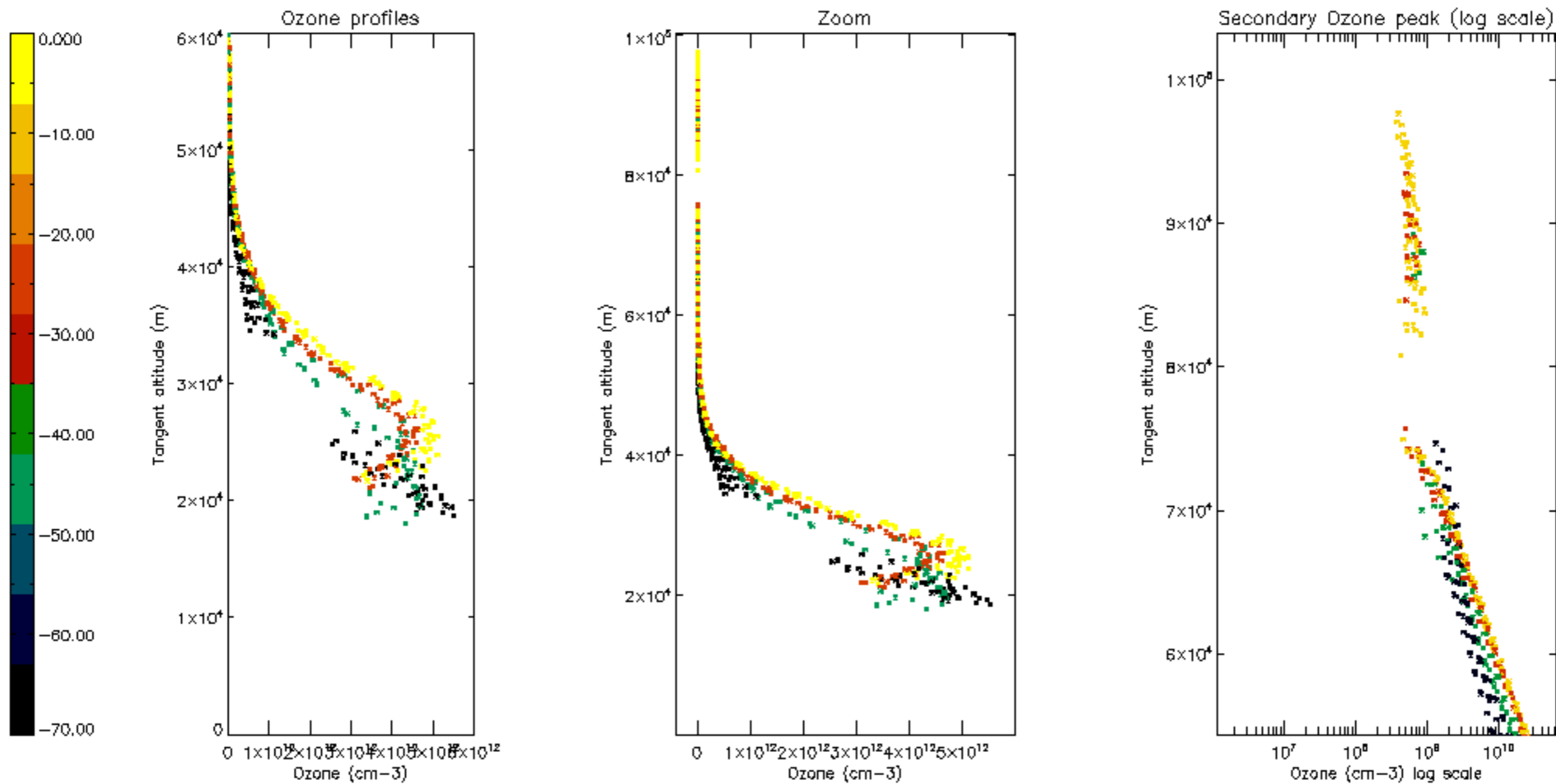
Percentage of saturation errors per profile

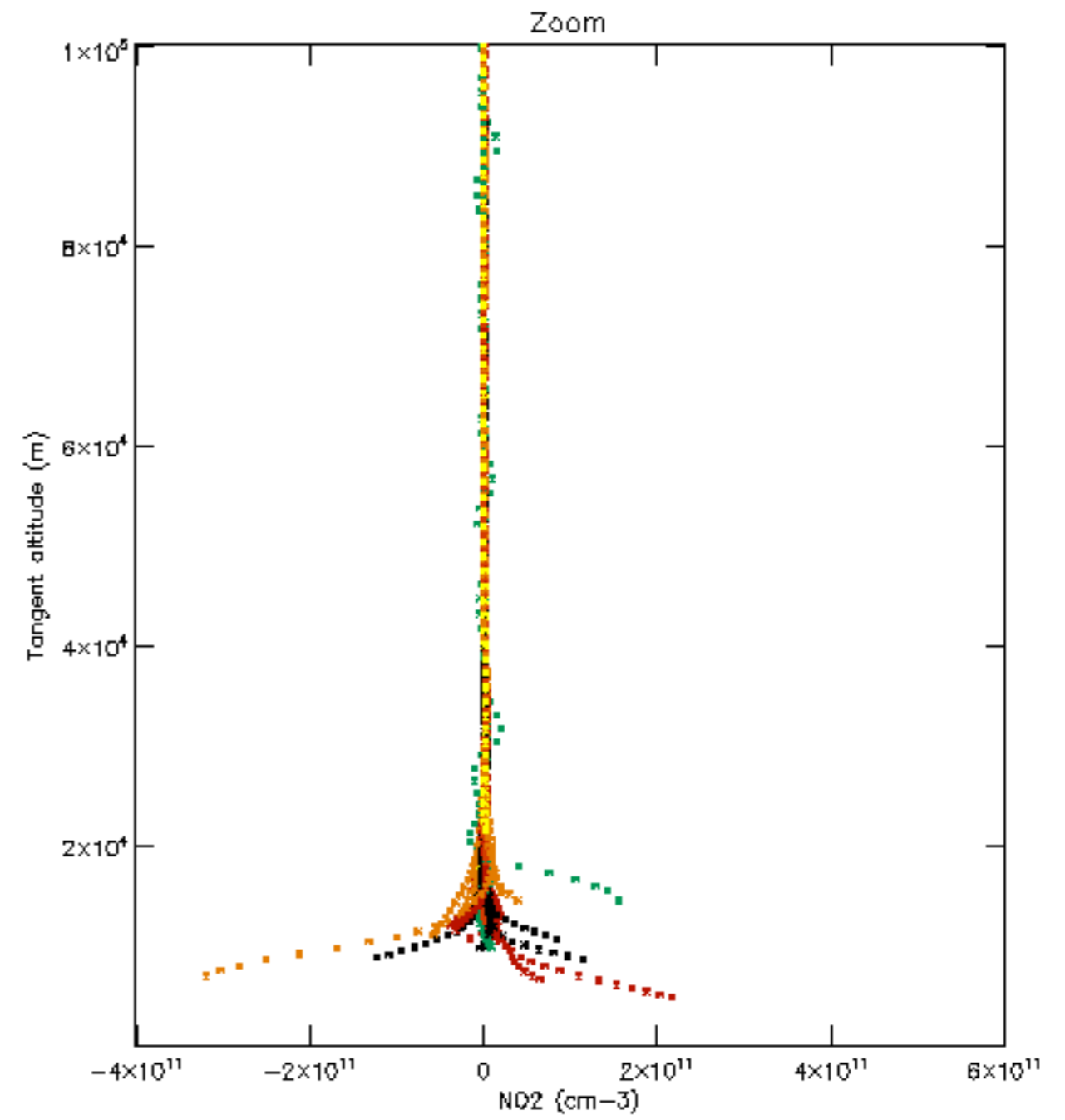
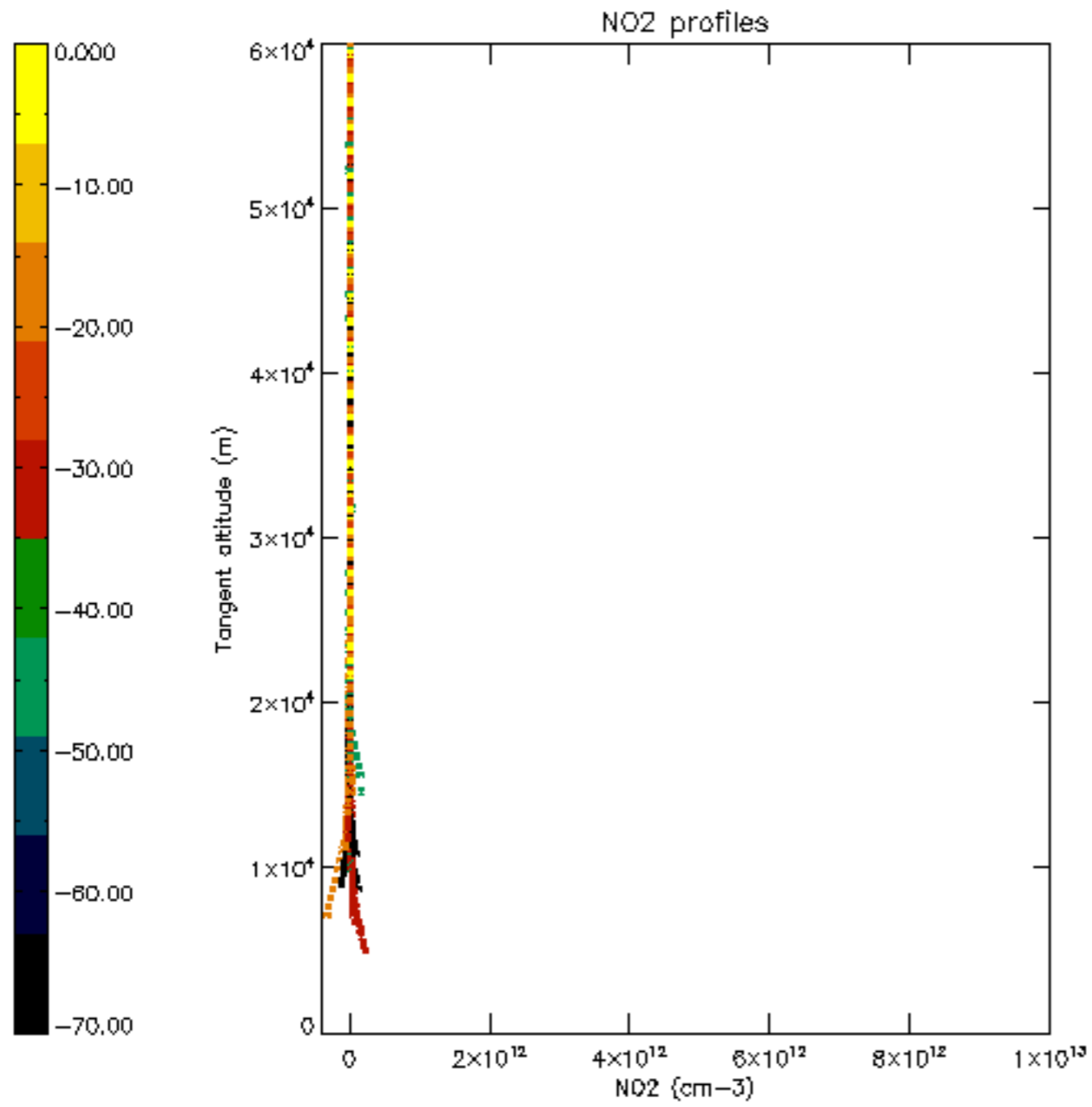


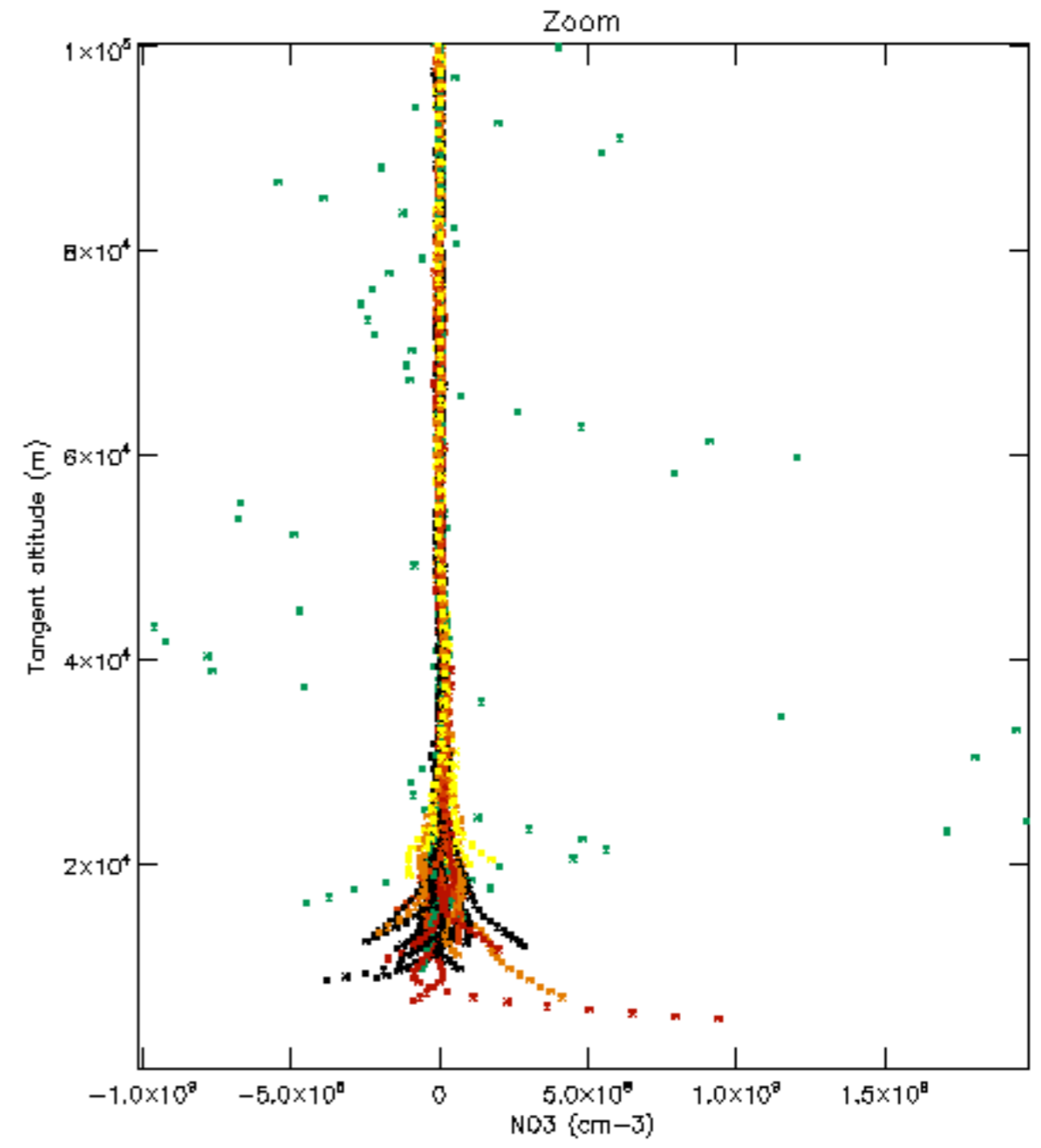
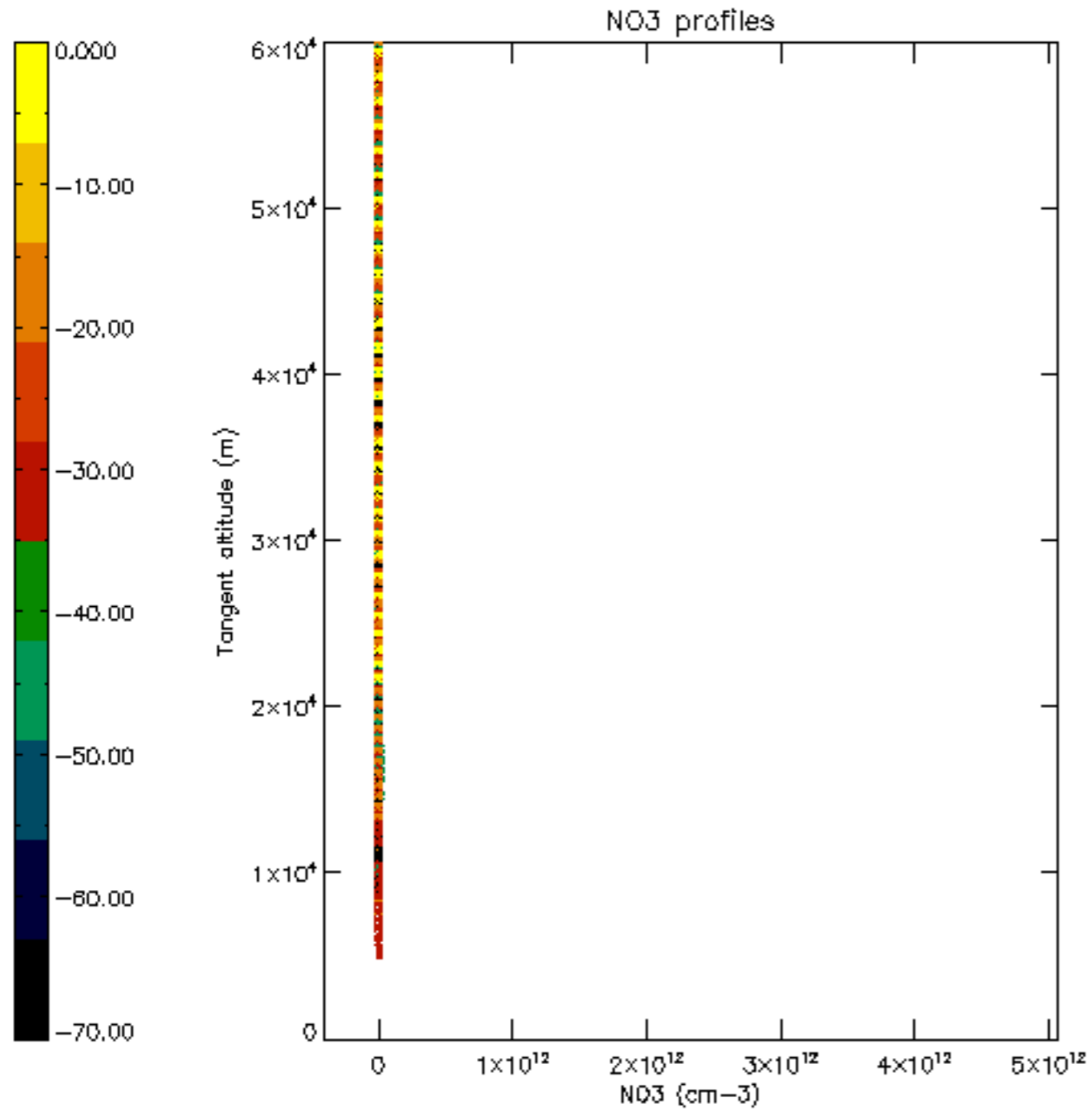


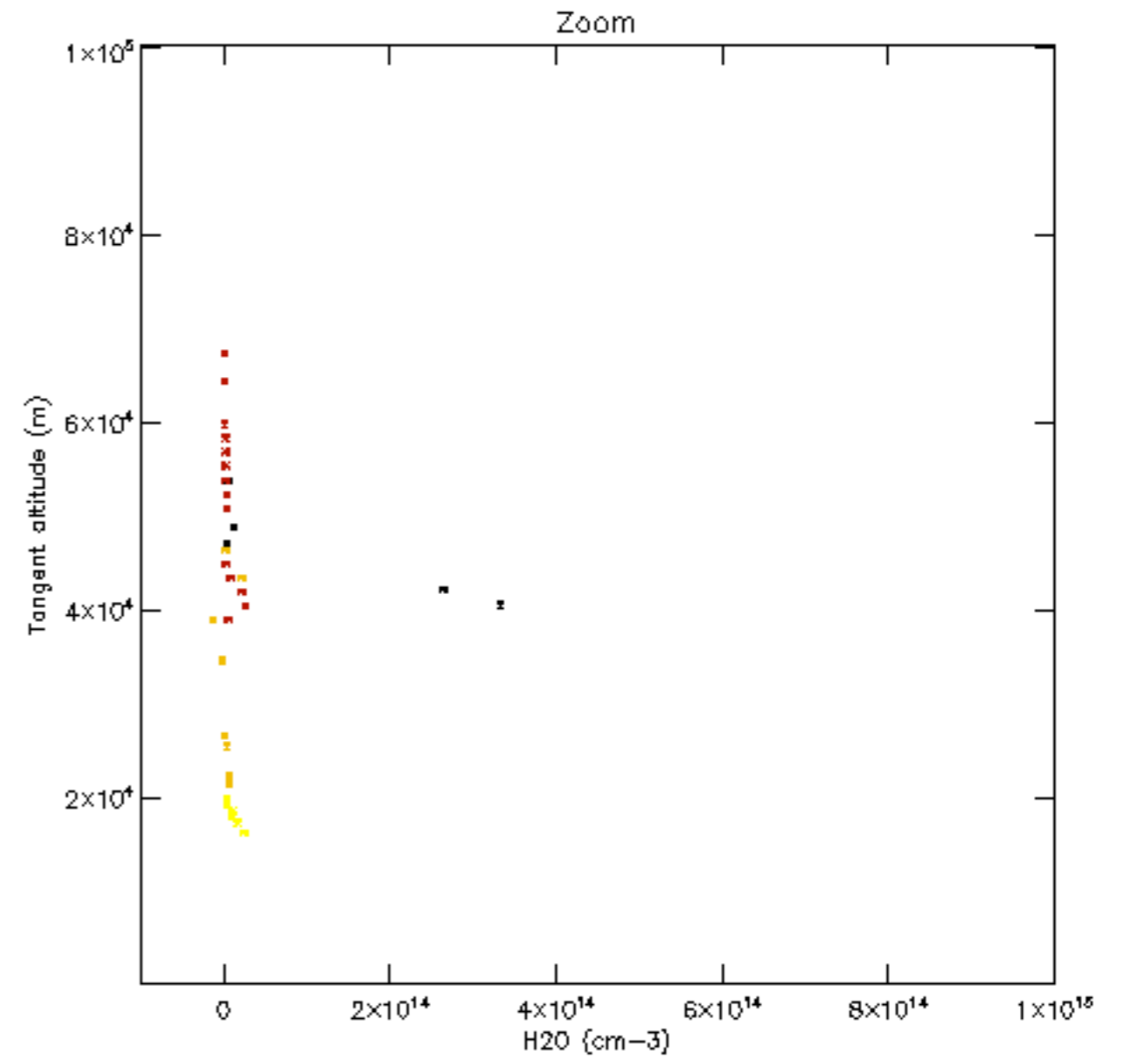
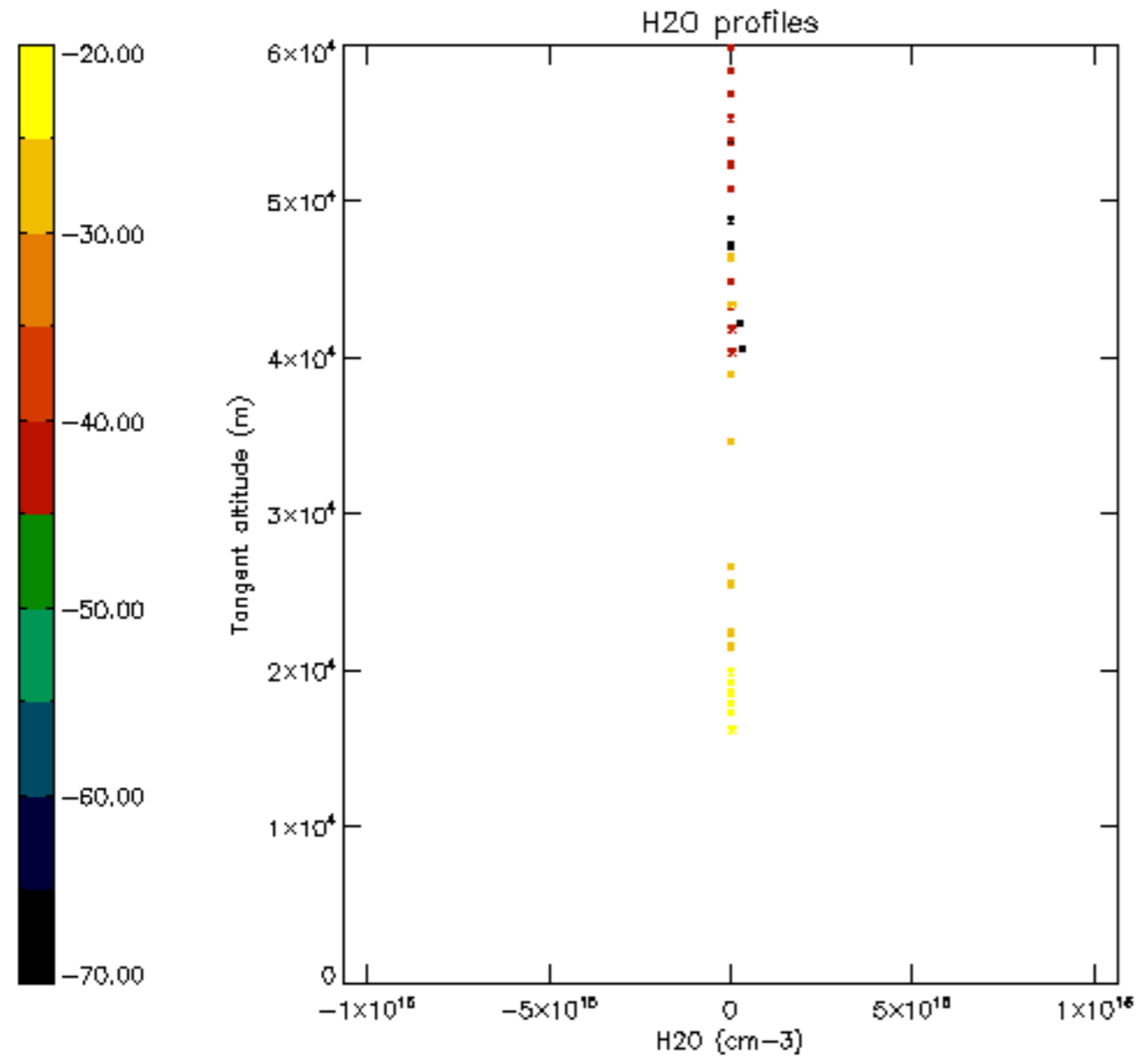


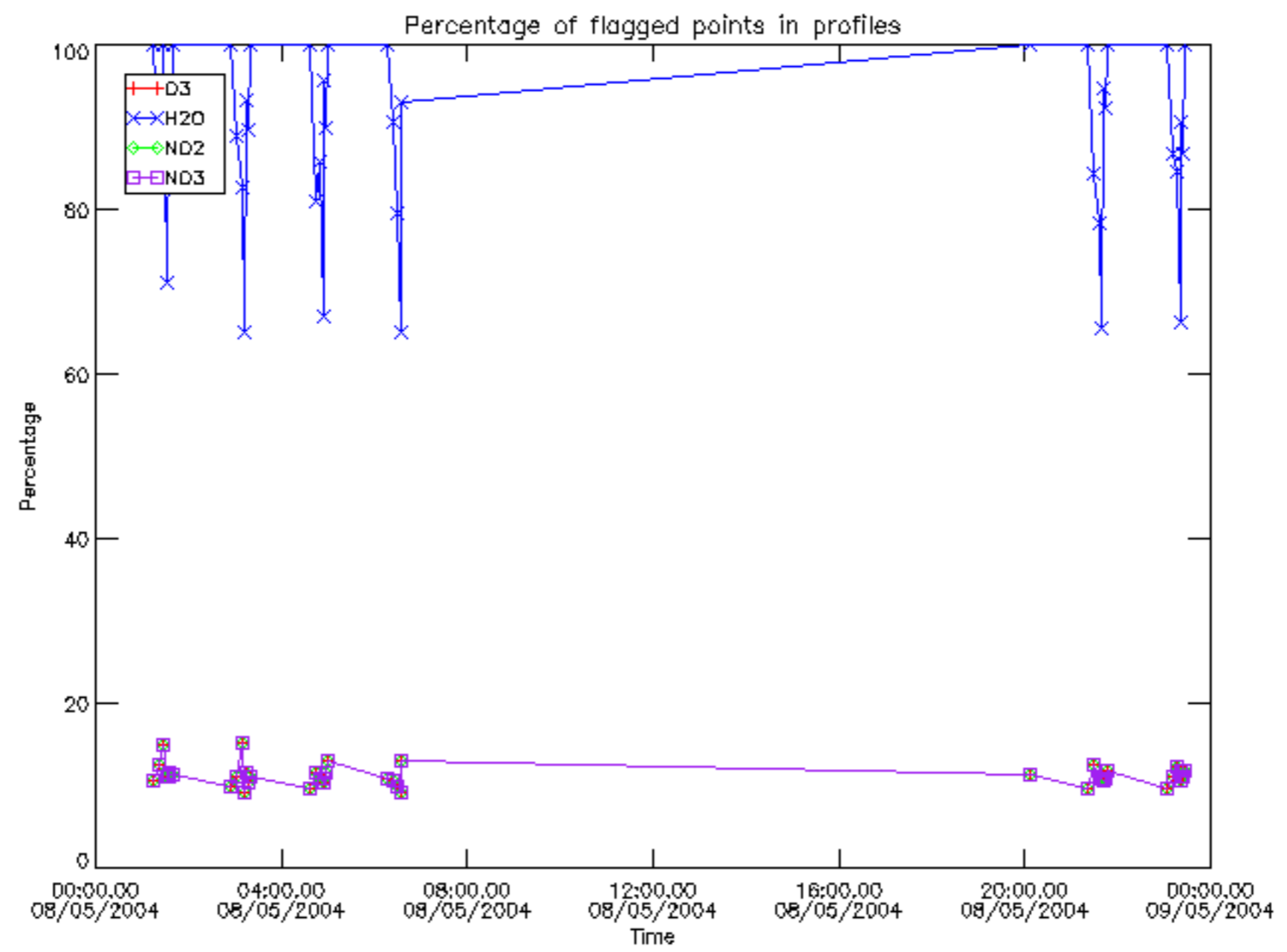




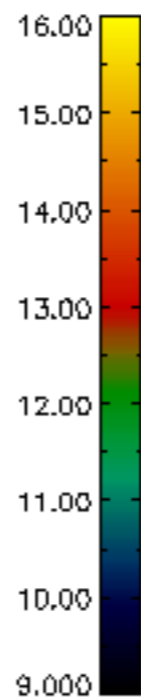
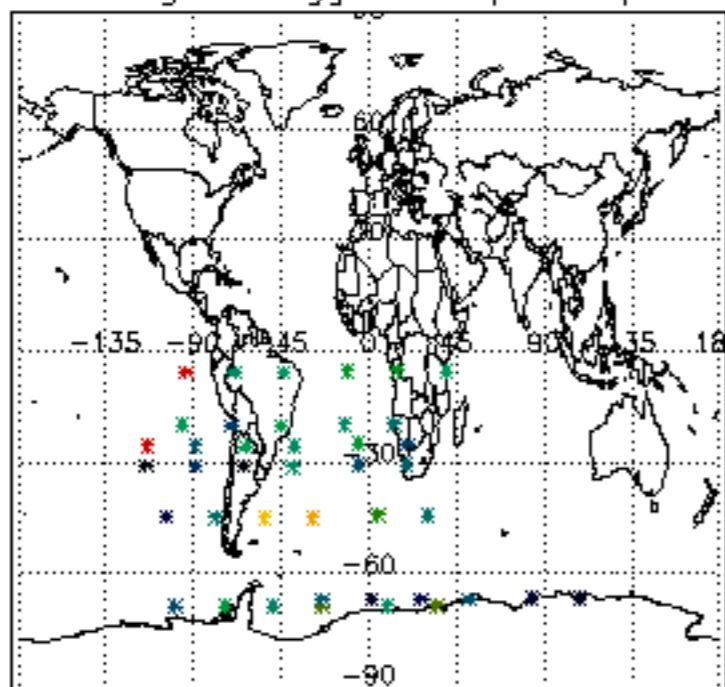




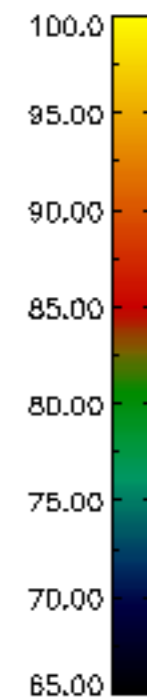
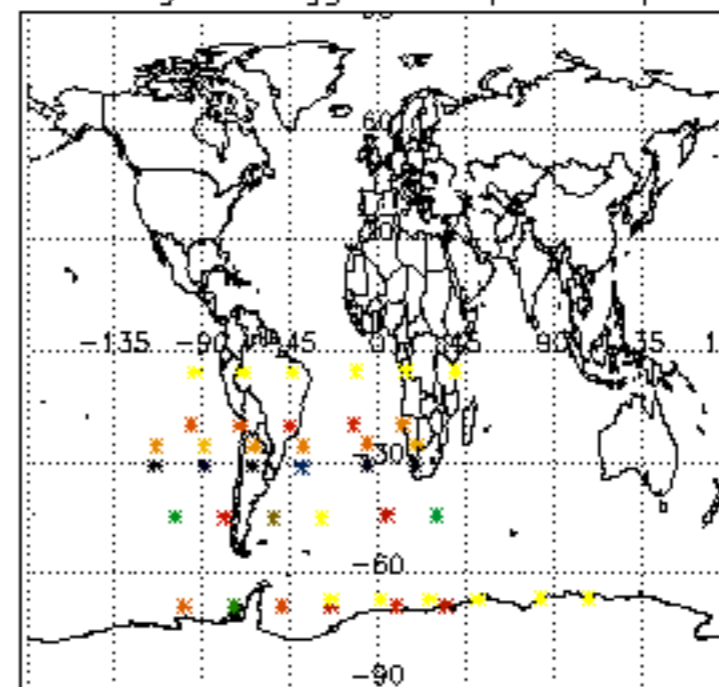




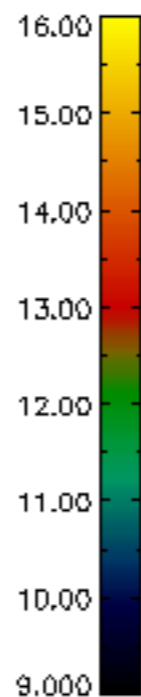
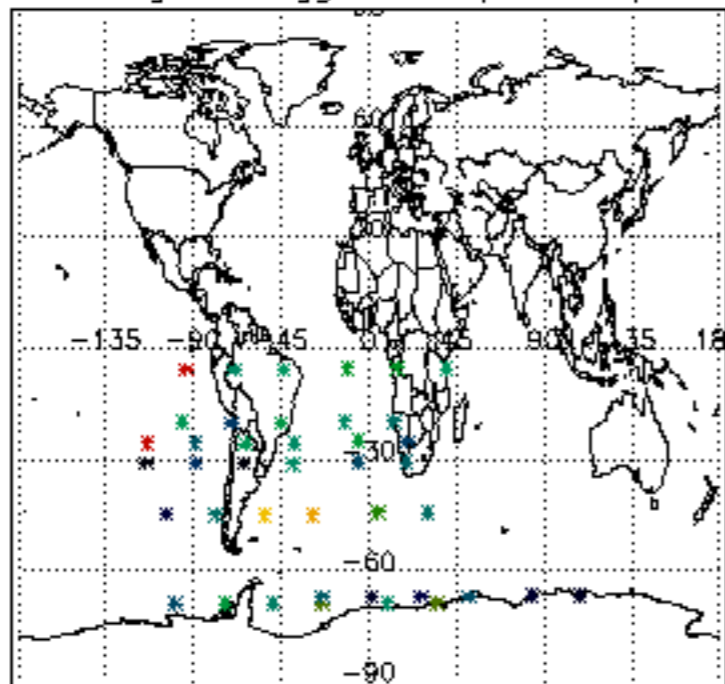
Percentage of flagged data per D3 profile



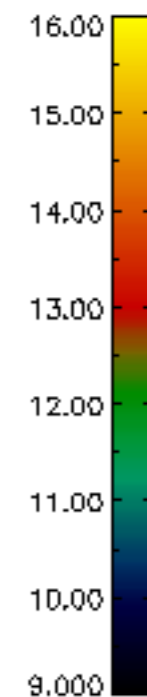
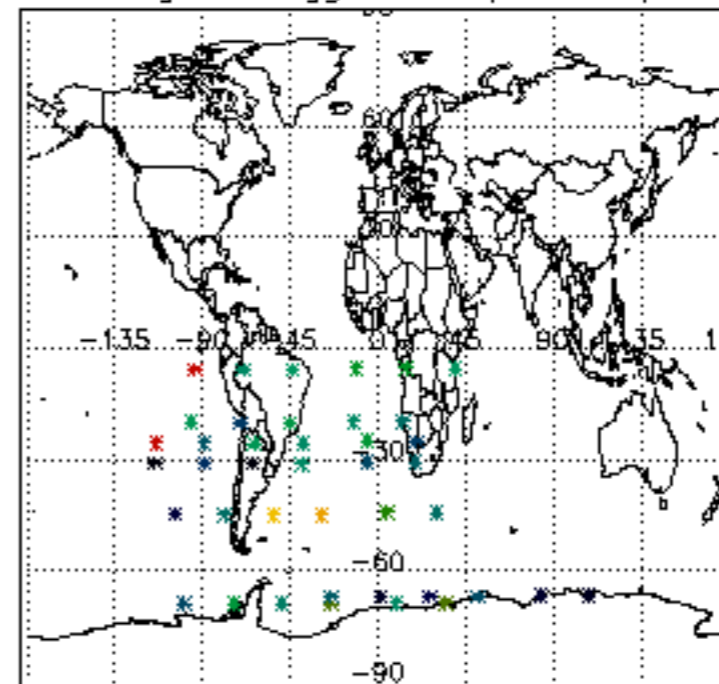
Percentage of flagged data per H2O profile

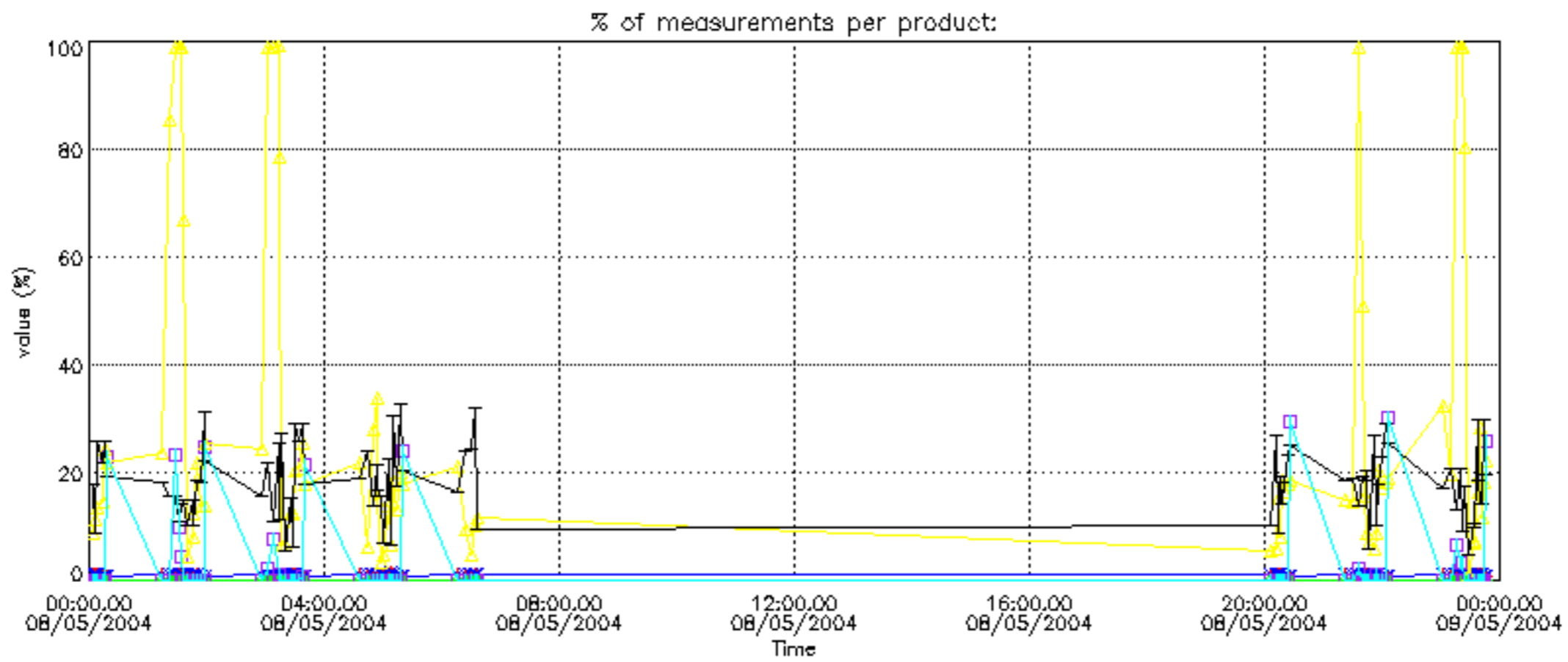


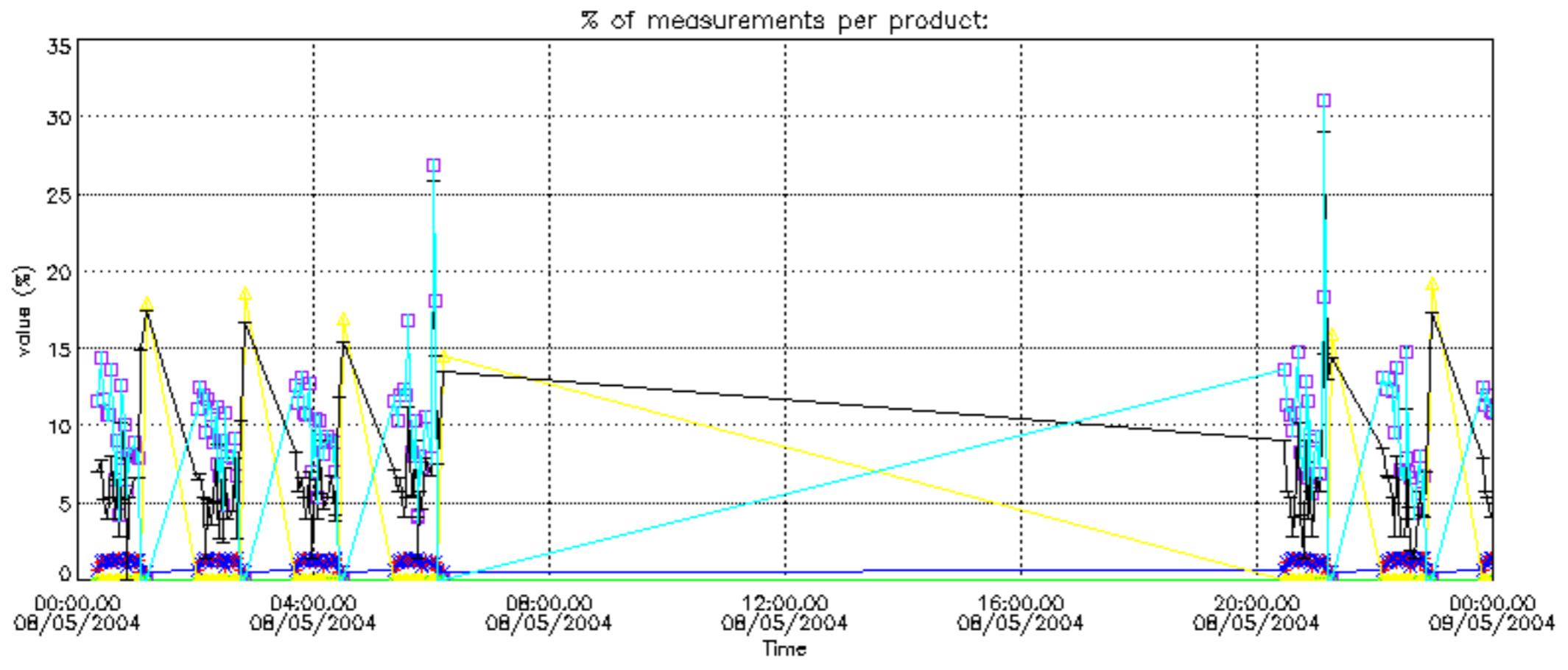
Percentage of flagged data per NO2 profile



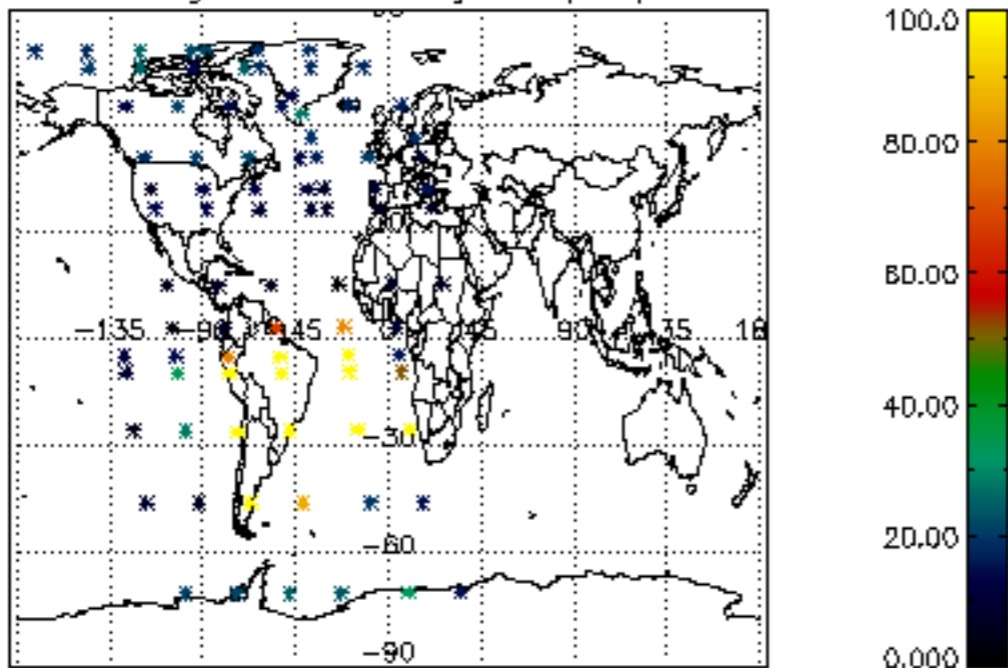
Percentage of flagged data per NO3 profile



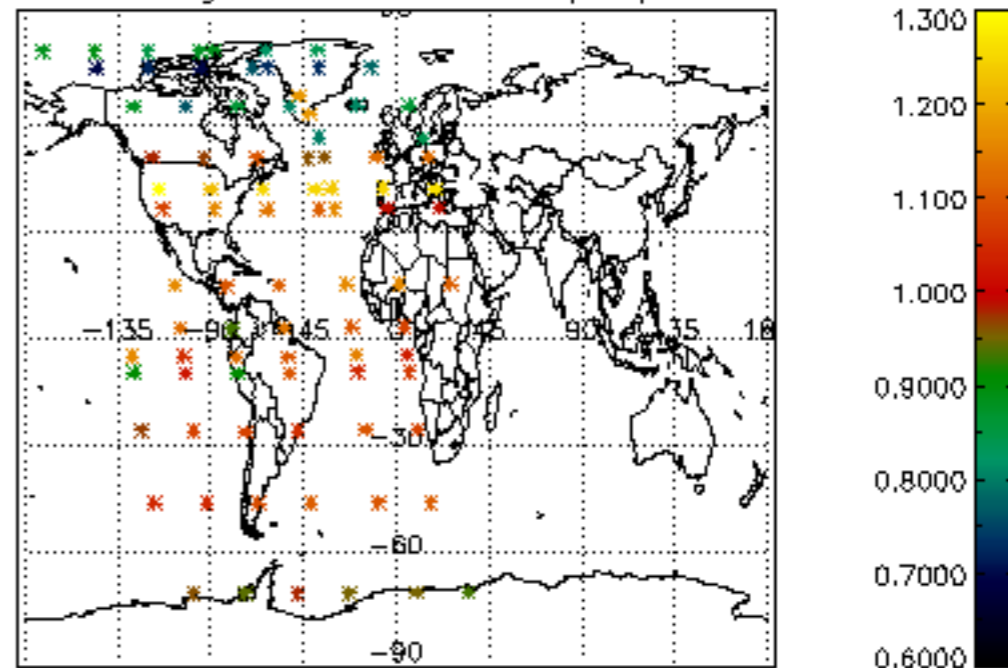




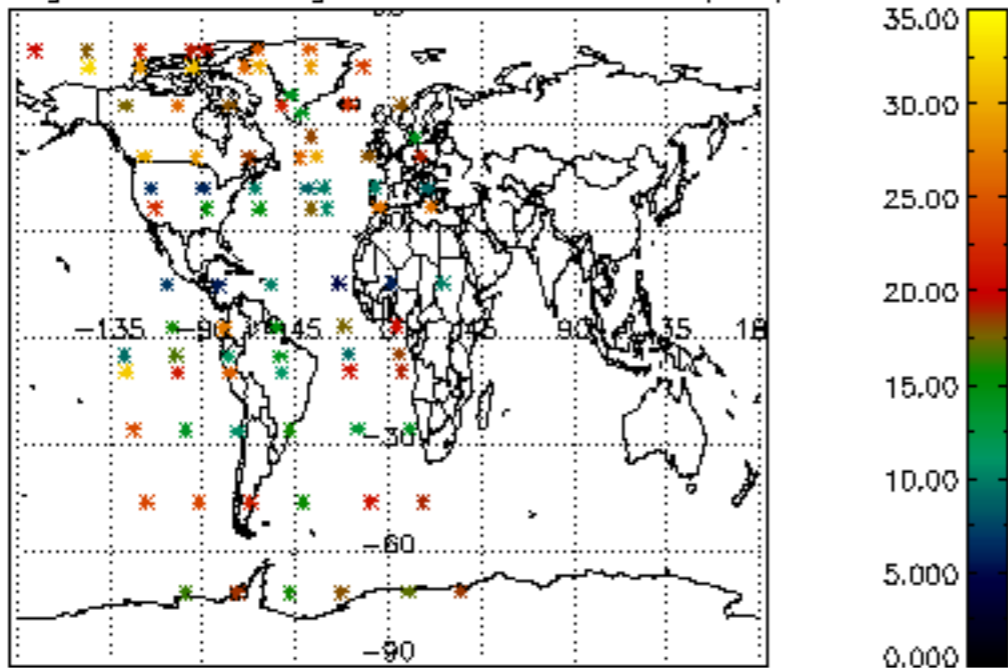
Percentage of cosmic ray hits per profile



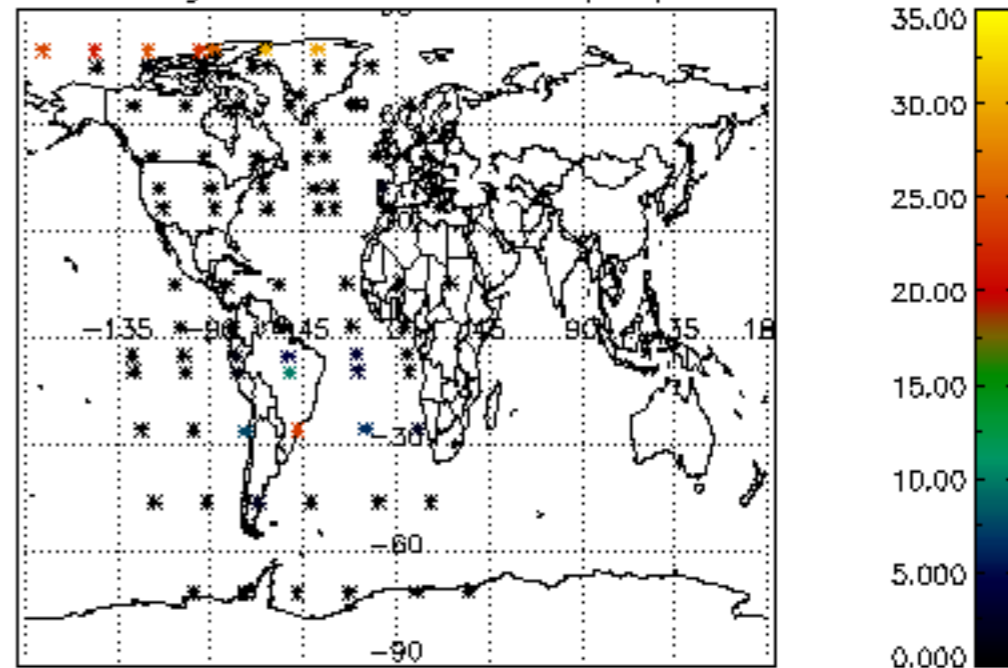
Percentage of datation errors per profile



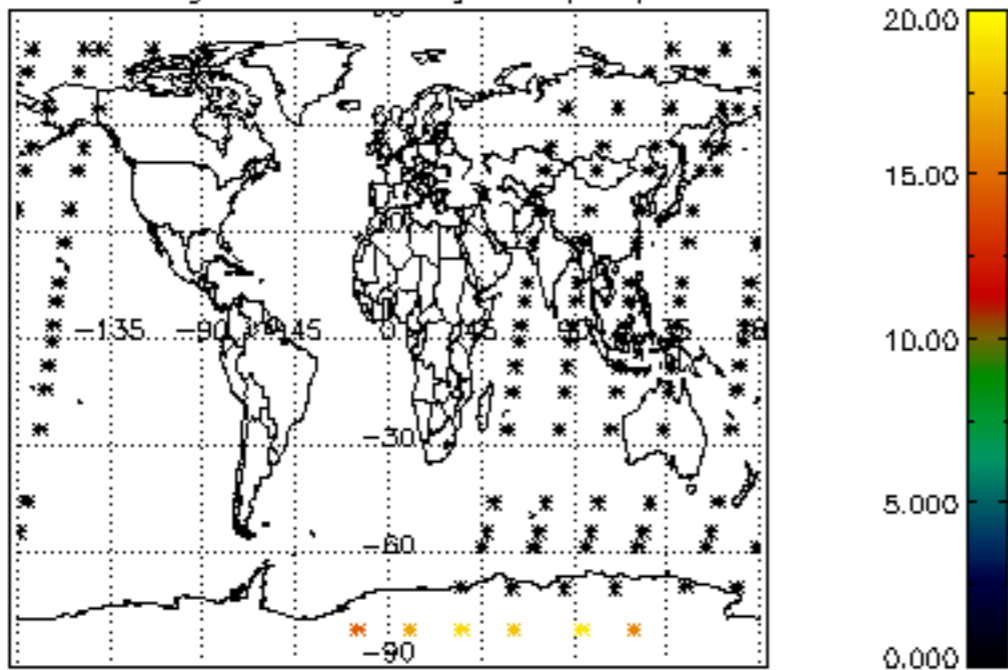
Percentage of star falling outside central band per profile



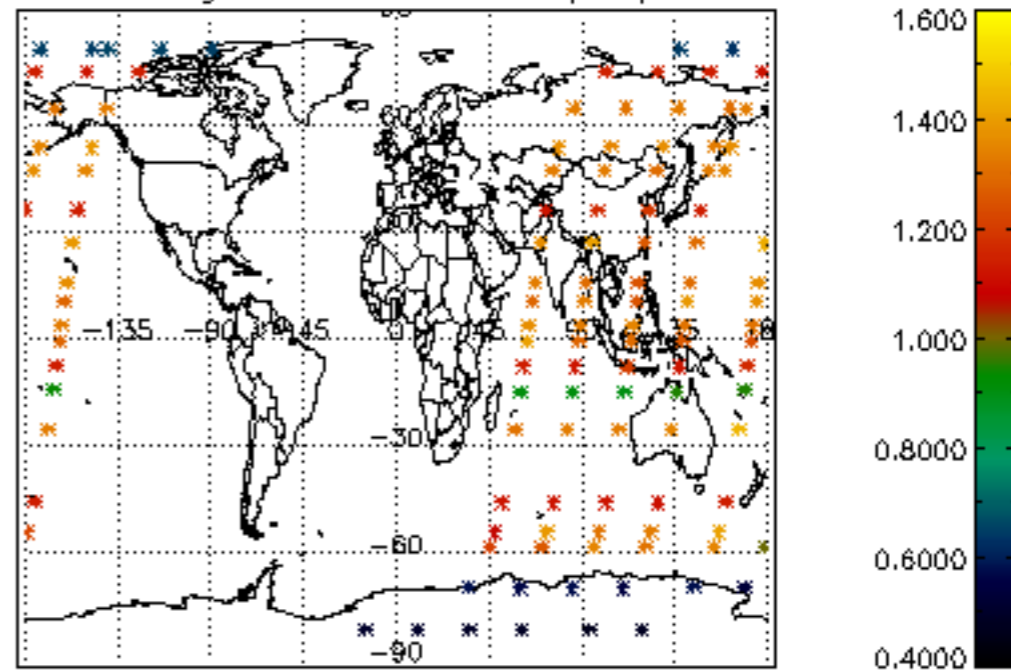
Percentage of saturation errors per profile



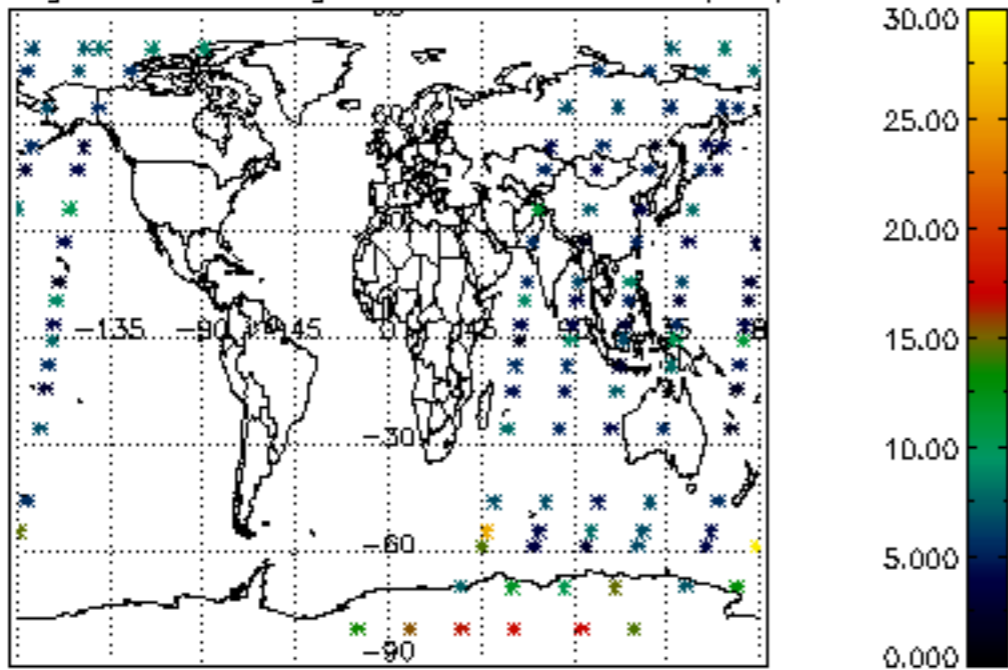
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

