

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 03:34:36
Data source version	GOMOS/6.01
Start time of products	05-06-2004 (05JUN2004 00:00:00)
Stop time of products	06-06-2004 (06JUN2004 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	206
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

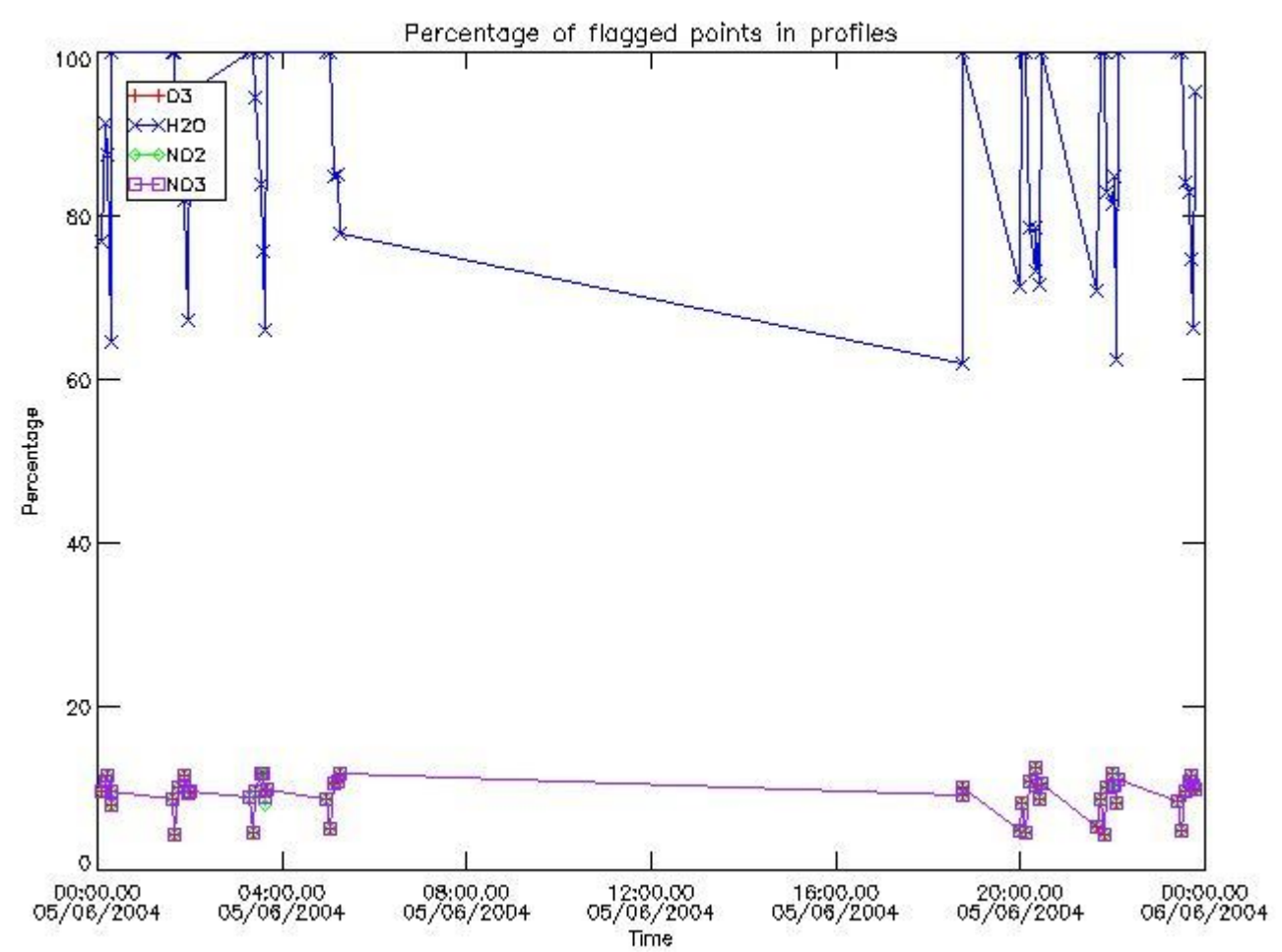
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20040605_000442_000000532027_00259_11836_3122.N1	05-JUN-2004 00:04:42	Dark	52.500	52	16Bet Cet	2.0370	4500.0	105	11836	No
2	GOM_NL__2PRFIN20040605_001119_000000472027_00259_11836_3123.N1	05-JUN-2004 00:11:19	Dark	47.000	84	Alp Phe	2.3970	4500.0	94	11836	No
3	GOM_NL__2PRFIN20040605_001306_000000442027_00259_11836_3124.N1	05-JUN-2004 00:13:06	Dark	44.000	9	Alp Eri	0.45300	24000.	88	11836	No
4	GOM_NL__2PRFIN20040605_001655_000000642027_00260_11837_3112.N1	05-JUN-2004 00:16:55	Dark	64.000	63	Bet Gru	2.1500	2800.0	128	11837	No
5	GOM_NL__2PRFIN20040605_001852_000000532027_00260_11837_3113.N1	05-JUN-2004 00:18:52	Dark	53.000	31	Alp Gru	1.7340	15200.	106	11837	No
6	GOM_NL__2PRFIN20040605_002333_000000472027_00260_11837_3114.N1	05-JUN-2004 00:23:33	Straylight	46.500	45	Alp Pav	1.9400	26000.	93	11837	No
7	GOM_NL__2PRFIN20040605_002646_000000512027_00260_11837_3115.N1	05-JUN-2004 00:26:46	Straylight	51.000	43	Alp TrA	1.9100	4250.0	102	11837	No
8	GOM_NL__2PRFIN20040605_002848_000000402027_00260_11837_3116.N1	05-JUN-2004 00:28:48	Straylight	40.000	134	Bet TrA	2.8100	6600.0	80	11837	No
9	GOM_NL__2PRFIN20040605_003046_000000432027_00260_11837_3117.N1	05-JUN-2004 00:30:46	Straylight	43.000	147	Alp Ara	2.8770	26000.	86	11837	No
10	GOM_NL__2PRFIN20040605_003227_000000502027_00260_11837_3118.N1	05-JUN-2004 00:32:27	Straylight	50.000	40	The Sco	1.8590	7100.0	100	11837	No
11	GOM_NL__2PRFIN20040605_003414_000000482027_00260_11837_3119.N1	05-JUN-2004 00:34:14	Twilight_stray	47.500	25	35Lam Sco	1.6200	28000.	95	11837	No
12	GOM_NL__2PRFIN20040605_003543_000000662027_00260_11837_3120.N1	05-JUN-2004 00:35:43	Twilight_stray	65.500	57	34Sig Sgr	2.0660	26000.	131	11837	No
13	GOM_NL__2PRFIN20040605_003752_000000482027_00260_11837_3121.N1	05-JUN-2004 00:37:52	Bright	48.000	136	23Tau Sco	2.8220	30000.	96	11837	No
14	GOM_NL__2PRFIN20040605_003952_000000442027_00260_11837_3122.N1	05-JUN-2004 00:39:52	Bright	44.000	80	7Del Sco	2.3160	30000.	88	11837	No
15	GOM_NL__2PRFIN20040605_004122_000000462027_00260_11837_3123.N1	05-JUN-2004 00:41:22	Bright	45.500	86	35Eta Oph	2.4300	10200.	91	11837	No
16	GOM_NL__2PRFIN20040605_004310_000000432027_00260_11837_3124.N1	05-JUN-2004 00:43:10	Bright	43.000	98	13Zet Oph	2.5710	30000.	86	11837	No
17	GOM_NL__2PRFIN20040605_004518_000000422027_00260_11837_3125.N1	05-JUN-2004 00:45:18	Bright	42.000	120	1Del Oph	2.7340	3200.0	84	11837	No
18	GOM_NL__2PRFIN20040605_004821_000000372027_00260_11837_3126.N1	05-JUN-2004 00:48:21	Bright	37.000	102	24Alp Ser	2.6000	4250.0	74	11837	No
19	GOM_NL__2PRFIN20040605_005237_000000402027_00260_11837_3127.N1	05-JUN-2004 00:52:37	Bright	39.500	3	16Alp Boo	-0.050000	4250.0	79	11837	No
20	GOM_NL__2PRFIN20040605_005410_000000382027_00260_11837_3128.N1	05-JUN-2004 00:54:10	Bright	37.500	67	5Alp CrB	2.2210	11000.	75	11837	No
21	GOM_NL__2PRFIN20040605_005627_000000452027_00260_11837_3129.N1	05-JUN-2004 00:56:27	Bright	44.500	133	40Zet Her	2.8070	6000.0	89	11837	No
22	GOM_NL__2PRFIN20040605_010108_000000392027_00260_11837_3130.N1	05-JUN-2004 01:01:08	Bright	38.500	39	85Eta UMa	1.8540	24000.	77	11837	No
23	GOM_NL__2PRFIN20040605_010258_000000432027_00260_11837_3131.N1	05-JUN-2004 01:02:58	Bright	43.000	55	79Zet UMa	2.0600	10200.	86	11837	No
24	GOM_NL__2PRFIN20040605_010434_000000392027_00260_11837_3132.N1	05-JUN-2004 01:04:34	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	11837	No
25	GOM_NL__2PRFIN20040605_010729_000000412027_00260_11837_3133.N1	05-JUN-2004 01:07:29	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	11837	No
26	GOM_NL__2PRFIN20040605_011212_000000382027_00260_11837_3134.N1	05-JUN-2004 01:12:12	Bright	38.000	49	1Alp UMi	1.9900	6300.0	76	11837	No
27	GOM_NL__2PRFIN20040605_011437_000000472027_00260_11837_3135.N1	05-JUN-2004 01:14:37	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	11837	No
28	GOM_NL__2PRFIN20040605_011618_000000812027_00260_11837_3136.N1	05-JUN-2004 01:16:18	Bright	80.500	19	50Alp Cyg	1.2460	10500.	161	11837	No
29	GOM_NL__2PRFIN20040605_012008_000000482027_00260_11837_3137.N1	05-JUN-2004 01:20:08	Bright	48.000	76	27Gam Cas	2.3000	30000.	96	11837	No
30	GOM_NL__2PRFIN20040605_012605_000001732027_00260_11837_3138.N1	05-JUN-2004 01:26:05	Straylight	173.00	92	53Eps Cyg	2.5000	4500.0	346	11837	No
31	GOM_NL__2PRFIN20040605_013056_000000582027_00260_11837_3139.N1	05-JUN-2004 01:30:56	Twilight_stray	58.000	58	21Alp And	2.0730	11000.	116	11837	No
32	GOM_NL__2PRFIN20040605_013614_000000582027_00260_11837_3140.N1	05-JUN-2004 01:36:14	Dark	58.000	140	88Gam Peg	2.8340	26000.	116	11837	No
33	GOM_NL__2PRFIN20040605_014035_000001202027_00260_11837_3141.N1	05-JUN-2004 01:40:35	Dark	120.00	90	54Alp Peg	2.4870	11000.	240	11837	No
34	GOM_NL__2PRFIN20040605_014517_000000502027_00260_11837_3142.N1	05-JUN-2004 01:45:17	Dark	50.000	52	16Bet Cet	2.0370	4500.0	100	11837	No
35	GOM_NL__2PRFIN20040605_015156_000000492027_00260_11837_3143.N1	05-JUN-2004 01:51:56	Dark	49.000	84	Alp Phe	2.3970	4500.0	98	11837	No
36	GOM_NL__2PRFIN20040605_015343_000000452027_00260_11837_3144.N1	05-JUN-2004 01:53:43	Dark	44.500	9	Alp Eri	0.45300	24000.	89	11837	No
37	GOM_NL__2PRFIN20040605_015733_000000542027_00261_11838_3112.N1	05-JUN-2004 01:57:33	Dark	54.000	63	Bet Gru	2.1500	2800.0	108	11838	No
38	GOM_NL__2PRFIN20040605_015928_000000532027_00261_11838_3113.N1	05-JUN-2004 01:59:28	Dark	52.500	31	Alp Gru	1.7340	15200.	105	11838	No
39	GOM_NL__2PRFIN20040605_020412_000000442027_00261_11838_3114.N1	05-JUN-2004 02:04:12	Straylight	44.000	45	Alp Pav	1.9400	26000.	88	11838	No
40	GOM_NL__2PRFIN20040605_020722_000000422027_00261_11838_3115.N1	05-JUN-2004 02:07:22	Straylight	41.500	43	Alp TrA	1.9100	4250.0	83	11838	No
41	GOM_NL__2PRFIN20040605_020924_000000392027_00261_11838_3116.N1	05-JUN-2004 02:09:24	Straylight	39.000	134	Bet TrA	2.8100	6600.0	78	11838	No
42	GOM_NL__2PRFIN20040605_021122_000000422027_00261_11838_3117.N1	05-JUN-2004 02:11:22	Straylight	42.000	147	Alp Ara	2.8770	26000.	84	11838	No

161	GOM_NL__2PRFIN20040605_213234_000001852027_00272_11849_3140.N1	05-JUN-2004 21:32:34	Straylight	185.00	92	53Eps Cyg	2.5000	4500.0	370	11849	No
162	GOM_NL__2PRFIN20040605_213809_000000612027_00272_11849_3141.N1	05-JUN-2004 21:38:09	Straylight	60.500	58	21Alp And	2.0730	11000.	121	11849	No
163	GOM_NL__2PRFIN20040605_214001_000001072027_00272_11849_3142.N1	05-JUN-2004 21:40:01	Dark	107.00	93	53Bet Peg	2.5200	3100.0	214	11849	No
164	GOM_NL__2PRFIN20040605_214332_000000602027_00272_11849_3143.N1	05-JUN-2004 21:43:32	Dark	59.500	140	88Gam Peg	2.8340	26000.	119	11849	No
165	GOM_NL__2PRFIN20040605_214810_000001182027_00272_11849_3144.N1	05-JUN-2004 21:48:10	Dark	117.50	90	54Alp Peg	2.4870	11000.	235	11849	No
166	GOM_NL__2PRFIN20040605_215239_000000502027_00272_11849_3145.N1	05-JUN-2004 21:52:39	Dark	50.000	52	16Bet Cet	2.0370	4500.0	100	11849	No
167	GOM_NL__2PRFIN20040605_215915_000000442027_00272_11849_3146.N1	05-JUN-2004 21:59:15	Dark	43.500	84	Alp Phe	2.3970	4500.0	87	11849	No
168	GOM_NL__2PRFIN20040605_220057_000000502027_00272_11849_3147.N1	05-JUN-2004 22:00:57	Dark	49.500	9	Alp Eri	0.45300	24000.	99	11849	No
169	GOM_NL__2PRFIN20040605_220456_000000632027_00273_11850_3115.N1	05-JUN-2004 22:04:56	Dark	63.000	63	Bet Gru	2.1500	2800.0	126	11850	No
170	GOM_NL__2PRFIN20040605_220654_000000502027_00273_11850_3116.N1	05-JUN-2004 22:06:54	Dark	50.000	31	Alp Gru	1.7340	15200.	100	11850	No
171	GOM_NL__2PRFIN20040605_221132_000000462027_00273_11850_3117.N1	05-JUN-2004 22:11:32	Straylight	45.500	45	Alp Pav	1.9400	26000.	91	11850	No
172	GOM_NL__2PRFIN20040605_221436_000000502027_00273_11850_3118.N1	05-JUN-2004 22:14:36	Straylight	50.000	43	Alp TrA	1.9100	4250.0	100	11850	No
173	GOM_NL__2PRFIN20040605_221637_000000402027_00273_11850_3119.N1	05-JUN-2004 22:16:37	Straylight	40.000	134	Bet TrA	2.8100	6600.0	80	11850	No
174	GOM_NL__2PRFIN20040605_221838_000000412027_00273_11850_3120.N1	05-JUN-2004 22:18:38	Straylight	41.000	147	Alp Ara	2.8770	26000.	82	11850	No
175	GOM_NL__2PRFIN20040605_222020_000000482027_00273_11850_3121.N1	05-JUN-2004 22:20:20	Straylight	47.500	40	The Sco	1.8590	7100.0	95	11850	No
176	GOM_NL__2PRFIN20040605_222206_000000492027_00273_11850_3122.N1	05-JUN-2004 22:22:06	Tw_i_and_stray	48.500	25	35Lam Sco	1.6200	28000.	97	11850	No
177	GOM_NL__2PRFIN20040605_222344_000000522027_00273_11850_3123.N1	05-JUN-2004 22:23:44	Tw_i_and_stray	52.000	75	26Eps Sco	2.2910	4250.0	104	11850	No
178	GOM_NL__2PRFIN20040605_222543_000000552027_00273_11850_3124.N1	05-JUN-2004 22:25:43	Bright	55.000	136	23Tau Sco	2.8220	30000.	110	11850	No
179	GOM_NL__2PRFIN20040605_222743_000000412027_00273_11850_3125.N1	05-JUN-2004 22:27:43	Bright	41.000	80	7Del Sco	2.3160	30000.	82	11850	No
180	GOM_NL__2PRFIN20040605_222911_000000452027_00273_11850_3126.N1	05-JUN-2004 22:29:11	Bright	45.000	86	35Eta Oph	2.4300	10200.	90	11850	No
181	GOM_NL__2PRFIN20040605_223100_000000422027_00273_11850_3127.N1	05-JUN-2004 22:31:00	Bright	41.500	98	13Zet Oph	2.5710	30000.	83	11850	No
182	GOM_NL__2PRFIN20040605_223308_000000392027_00273_11850_3128.N1	05-JUN-2004 22:33:08	Bright	38.500	120	1Del Oph	2.7340	3200.0	77	11850	No
183	GOM_NL__2PRFIN20040605_223608_000000382027_00273_11850_3129.N1	05-JUN-2004 22:36:08	Bright	37.500	102	24Alp Ser	2.6000	4250.0	75	11850	No
184	GOM_NL__2PRFIN20040605_224027_000000442027_00273_11850_3130.N1	05-JUN-2004 22:40:27	Bright	43.500	3	16Alp Boo	-0.050000	4250.0	87	11850	No
185	GOM_NL__2PRFIN20040605_224157_000000372027_00273_11850_3131.N1	05-JUN-2004 22:41:57	Bright	37.000	67	5Alp CrB	2.2210	11000.	74	11850	No
186	GOM_NL__2PRFIN20040605_224410_000000402027_00273_11850_3132.N1	05-JUN-2004 22:44:10	Bright	40.000	133	40Zet Her	2.8070	6000.0	80	11850	No
187	GOM_NL__2PRFIN20040605_224859_000000382027_00273_11850_3133.N1	05-JUN-2004 22:48:59	Bright	37.500	39	85Eta UMa	1.8540	24000.	75	11850	No
188	GOM_NL__2PRFIN20040605_225049_000000392027_00273_11850_3134.N1	05-JUN-2004 22:50:49	Bright	38.500	55	79Zet UMa	2.0600	10200.	77	11850	No
189	GOM_NL__2PRFIN20040605_225219_000000392027_00273_11850_3135.N1	05-JUN-2004 22:52:19	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	11850	No
190	GOM_NL__2PRFIN20040605_225518_000000402027_00273_11850_3136.N1	05-JUN-2004 22:55:18	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	11850	No
191	GOM_NL__2PRFIN20040605_230001_000000352027_00273_11850_3137.N1	05-JUN-2004 23:00:01	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	11850	No
192	GOM_NL__2PRFIN20040605_230217_000000482027_00273_11850_3138.N1	05-JUN-2004 23:02:17	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	11850	No
193	GOM_NL__2PRFIN20040605_230754_000000572027_00273_11850_3139.N1	05-JUN-2004 23:07:54	Bright	57.000	76	27Gam Cas	2.3000	30000.	114	11850	No
194	GOM_NL__2PRFIN20040605_231306_000001872027_00273_11850_3140.N1	05-JUN-2004 23:13:06	Straylight	187.00	92	53Eps Cyg	2.5000	4500.0	374	11850	No
195	GOM_NL__2PRFIN20040605_231845_000000602027_00273_11850_3141.N1	05-JUN-2004 23:18:45	Straylight	59.500	58	21Alp And	2.0730	11000.	119	11850	No
196	GOM_NL__2PRFIN20040605_232409_000000602027_00273_11850_3142.N1	05-JUN-2004 23:24:09	Dark	60.000	140	88Gam Peg	2.8340	26000.	120	11850	No
197	GOM_NL__2PRFIN20040605_232848_000001252027_00273_11850_3143.N1	05-JUN-2004 23:28:48	Dark	124.50	90	54Alp Peg	2.4870	11000.	249	11850	No
198	GOM_NL__2PRFIN20040605_233316_000000542027_00273_11850_3144.N1	05-JUN-2004 23:33:16	Dark	53.500	52	16Bet Cet	2.0370	4500.0	107	11850	No
199	GOM_NL__2PRFIN20040605_233951_000000482027_00273_11850_3145.N1	05-JUN-2004 23:39:51	Dark	47.500	84	Alp Phe	2.3970	4500.0	95	11850	No
200	GOM_NL__2PRFIN20040605_234133_000000442027_00273_11850_3146.N1	05-JUN-2004 23:41:33	Dark	44.000	9	Alp Eri	0.45300	24000.	88	11850	No
201	GOM_NL__2PRFIN20040605_234532_000000642027_00274_11851_3115.N1	05-JUN-2004 23:45:32	Dark	64.000	63	Bet Gru	2.1500	2800.0	128	11851	No
202	GOM_NL__2PRFIN20040605_234728_000000522027_00274_11851_3116.N1	05-JUN-2004 23:47:28	Dark	52.000	31	Alp Gru	1.7340	15200.	104	11851	No
203	GOM_NL__2PRFIN20040605_235208_000000442027_00274_11851_3117.N1	05-JUN-2004 23:52:08	Straylight	44.000	45	Alp Pav	1.9400	26000.	88	11851	No
204	GOM_NL__2PRFIN20040605_235511_000000442027_00274_11851_3118.N1	05-JUN-2004 23:55:11	Straylight	43.500	43	Alp TrA	1.9100	4250.0	87	11851	No
205	GOM_NL__2PRFIN20040605_235713_000000422027_00274_11851_3119.N1	05-JUN-2004 23:57:13	Straylight	41.500	134	Bet TrA	2.8100	6600.0	83	11851	No
206	GOM_NL__2PRFIN20040605_235913_000000432027_00274_11851_3120.N1	05-JUN-2004 23:59:13	Straylight	42.500	147	Alp Ara	2.8770	26000.	85	11851	No

3. Quality information per product

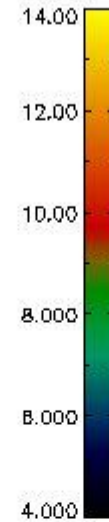
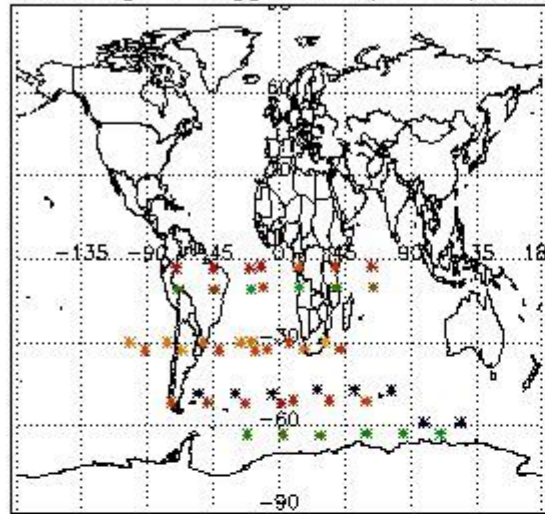
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

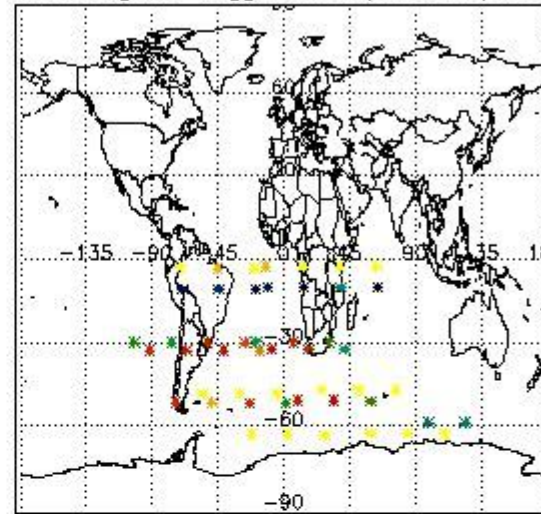


3.2 Plot quality information per product (world map)

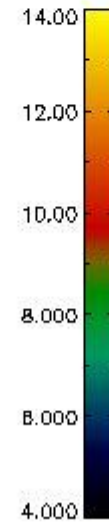
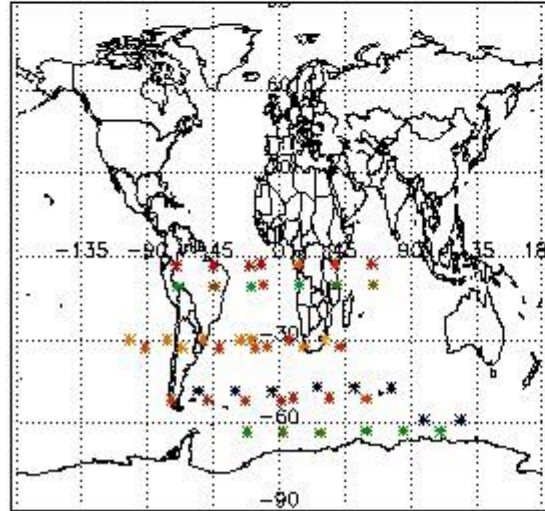
Percentage of flagged data per O3 profile



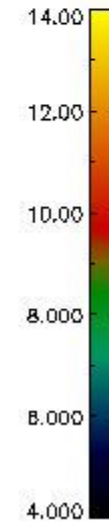
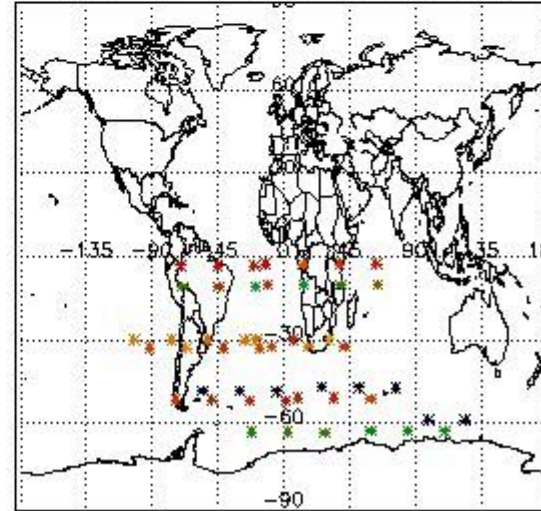
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

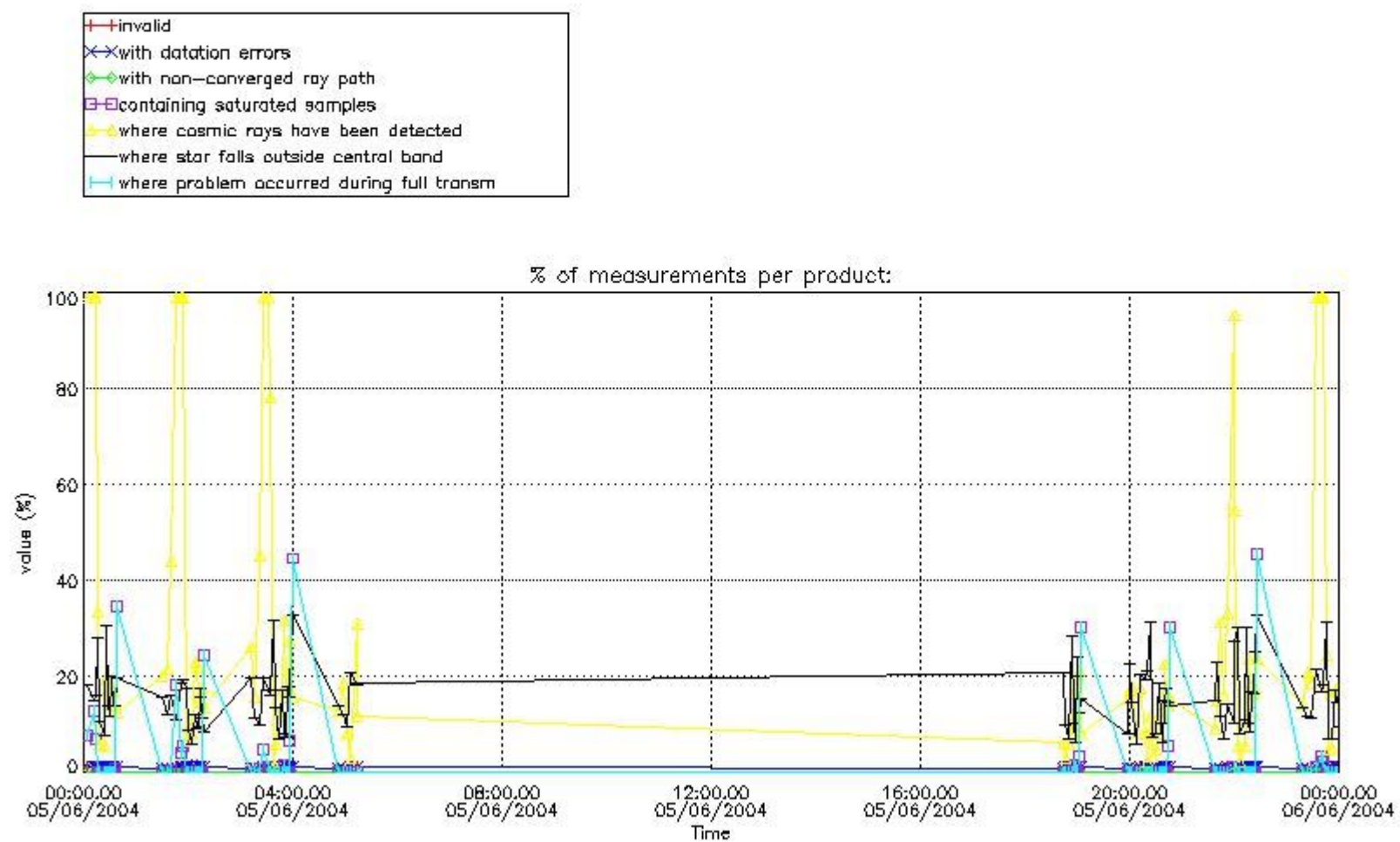


4. Level 1 quality information per product

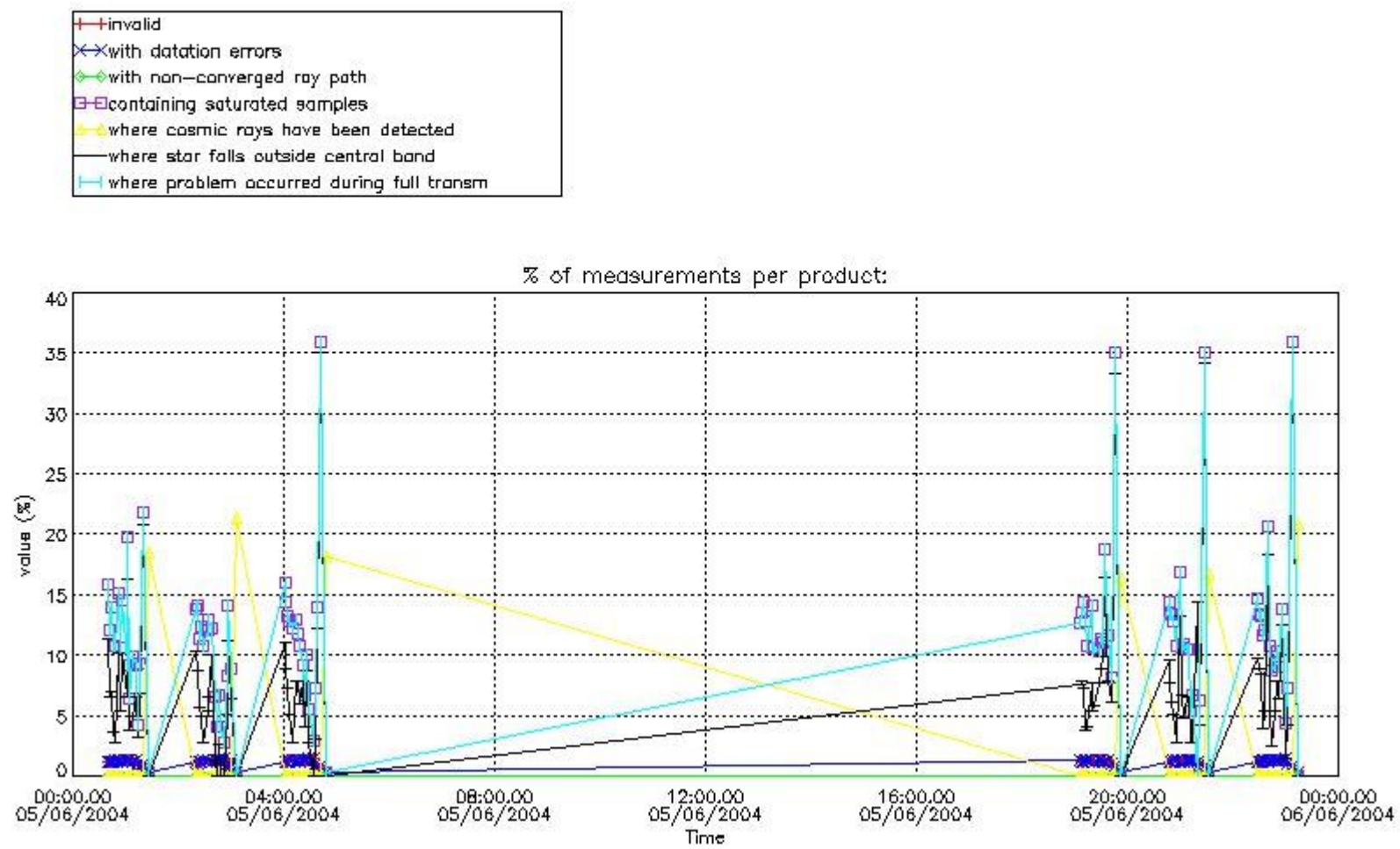
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



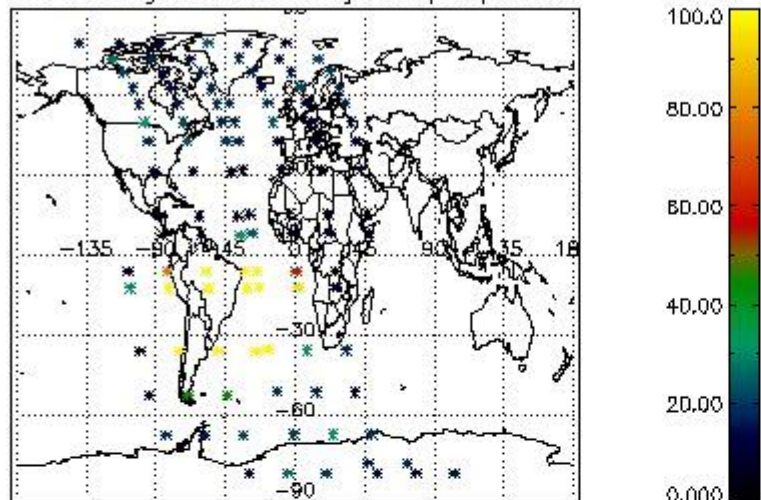
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



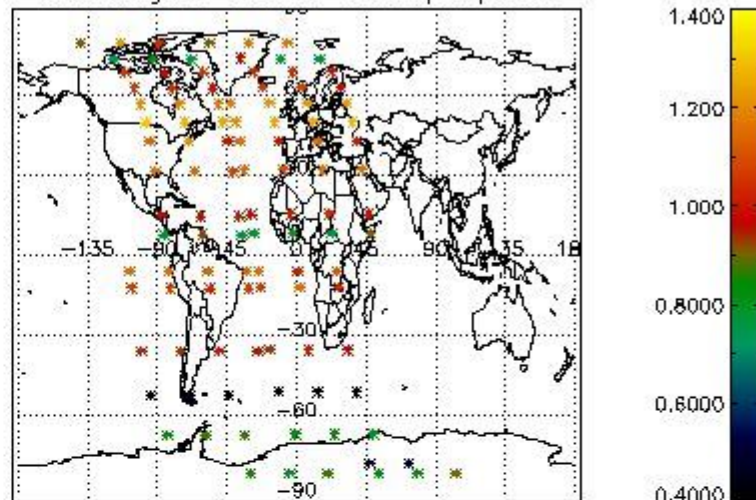
4.2 Plot quality information per product coming from level 1b processing (world map)

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

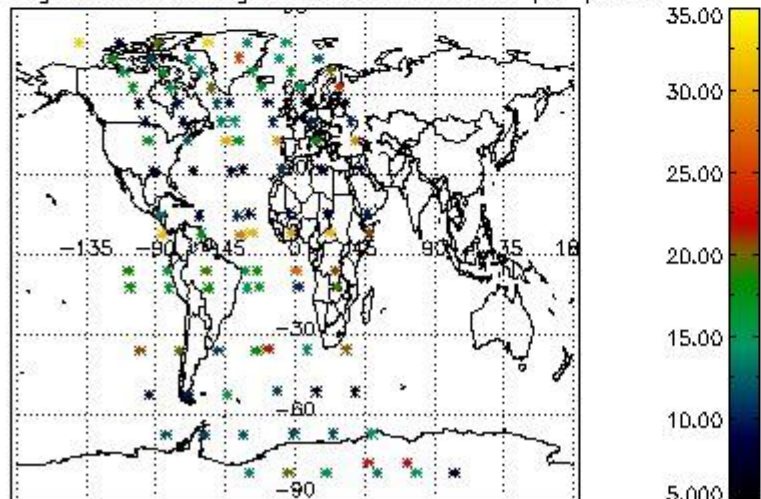
Percentage of cosmic ray hits per profile



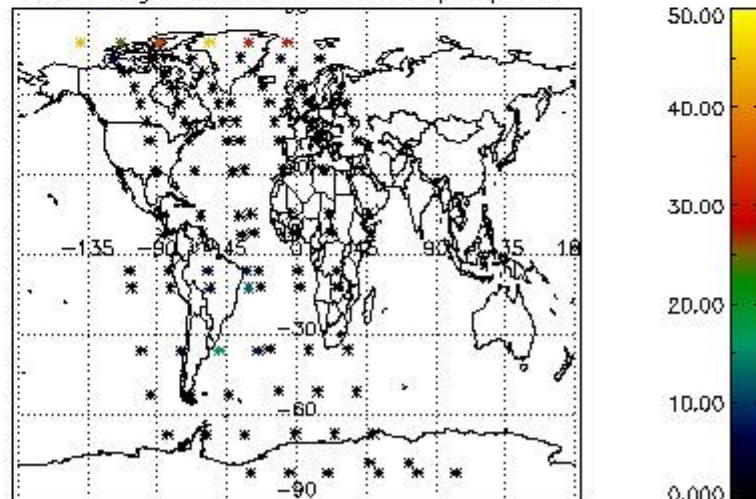
Percentage of datation errors per profile



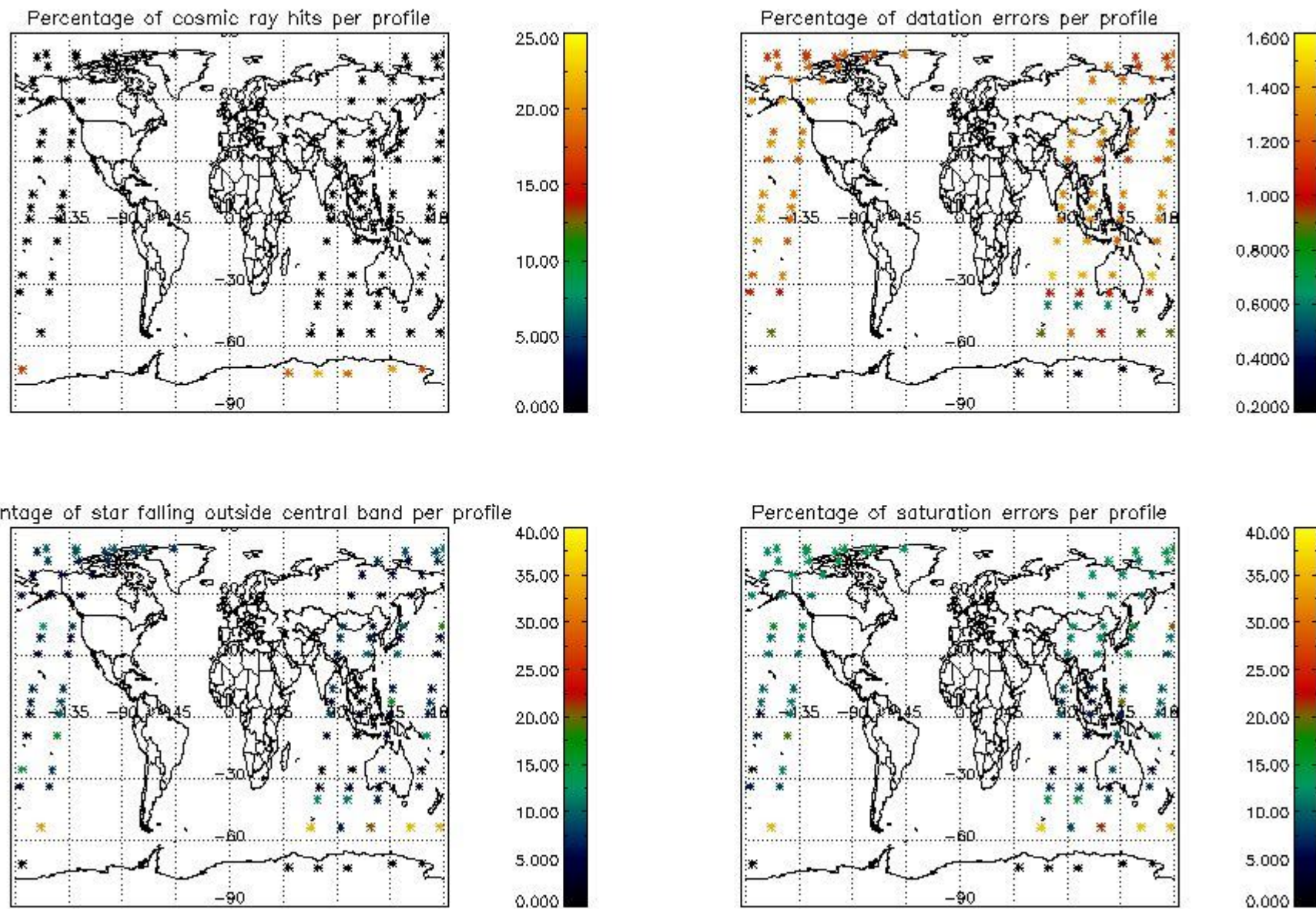
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

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

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

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

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

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

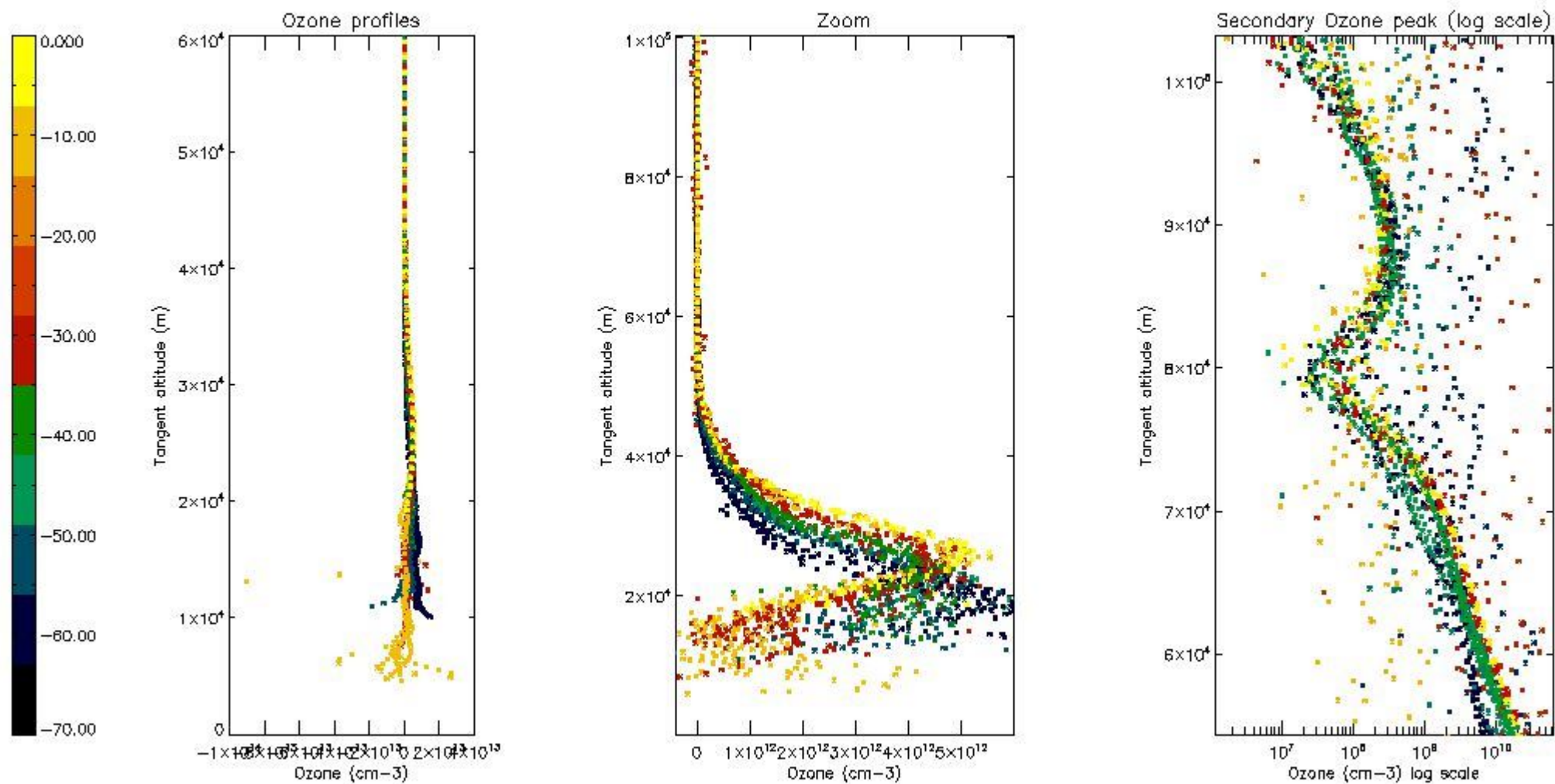
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	29
STD < 20	15

STD < 10	12
STD < 5	9

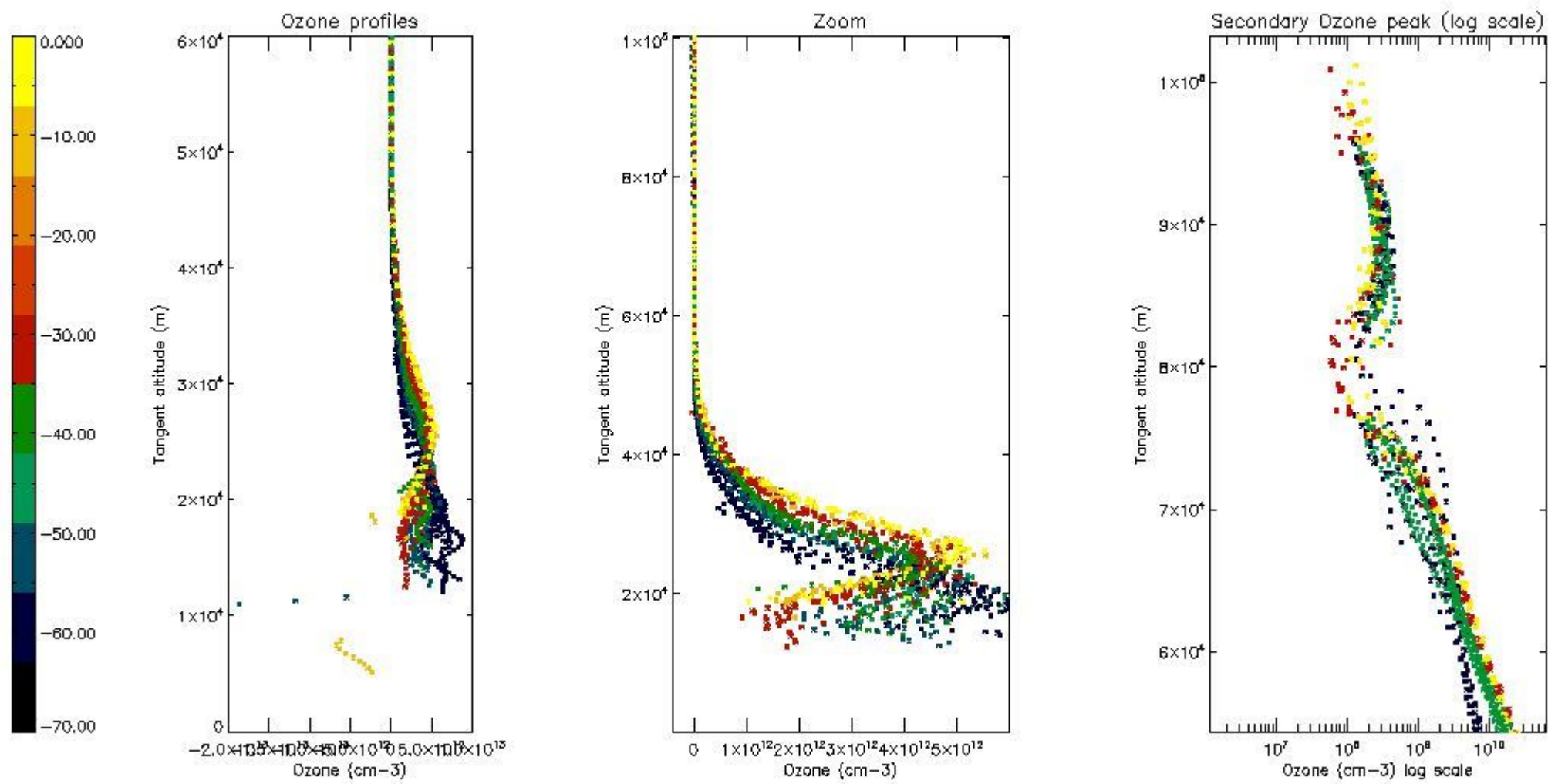
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



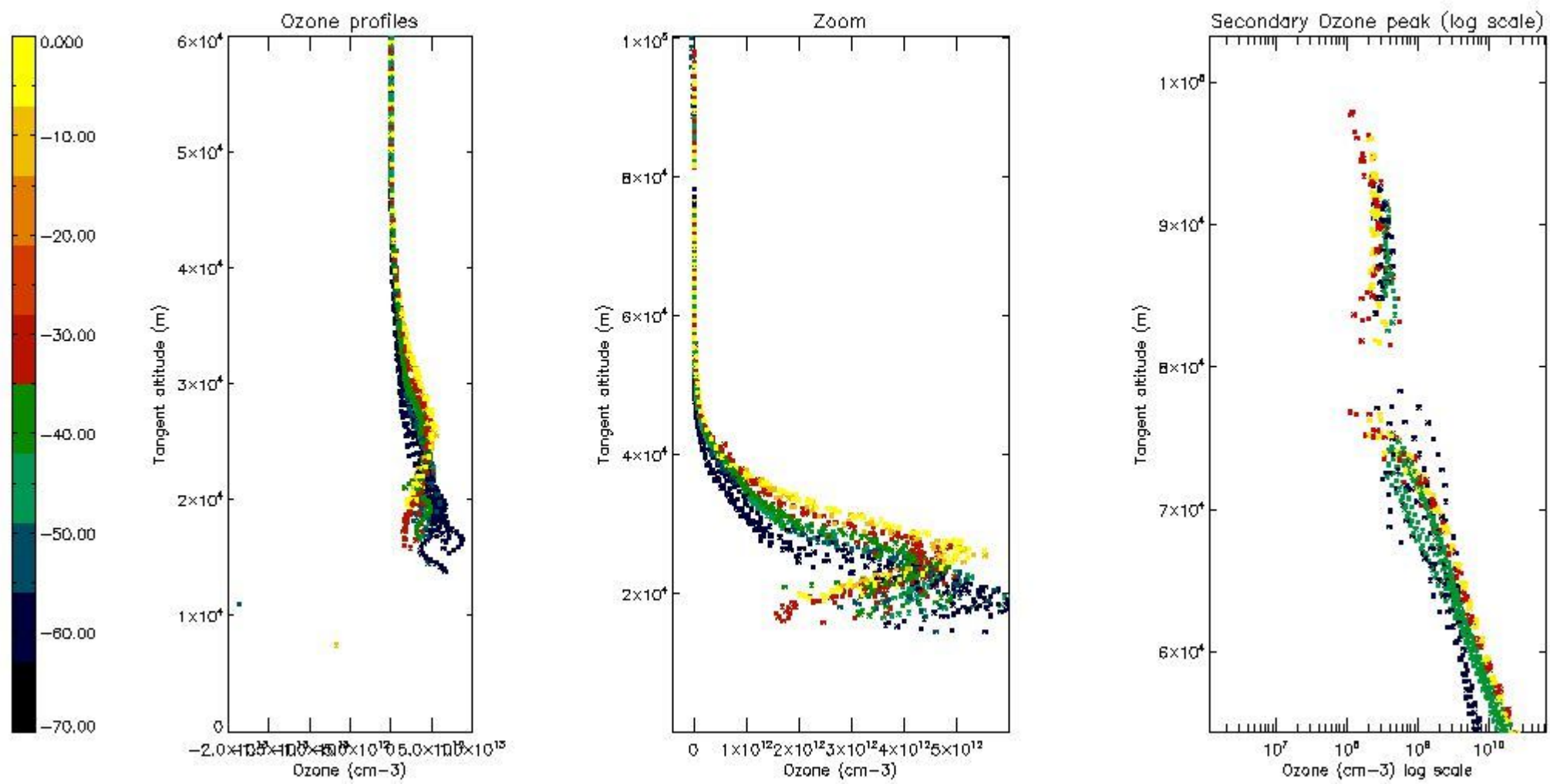
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



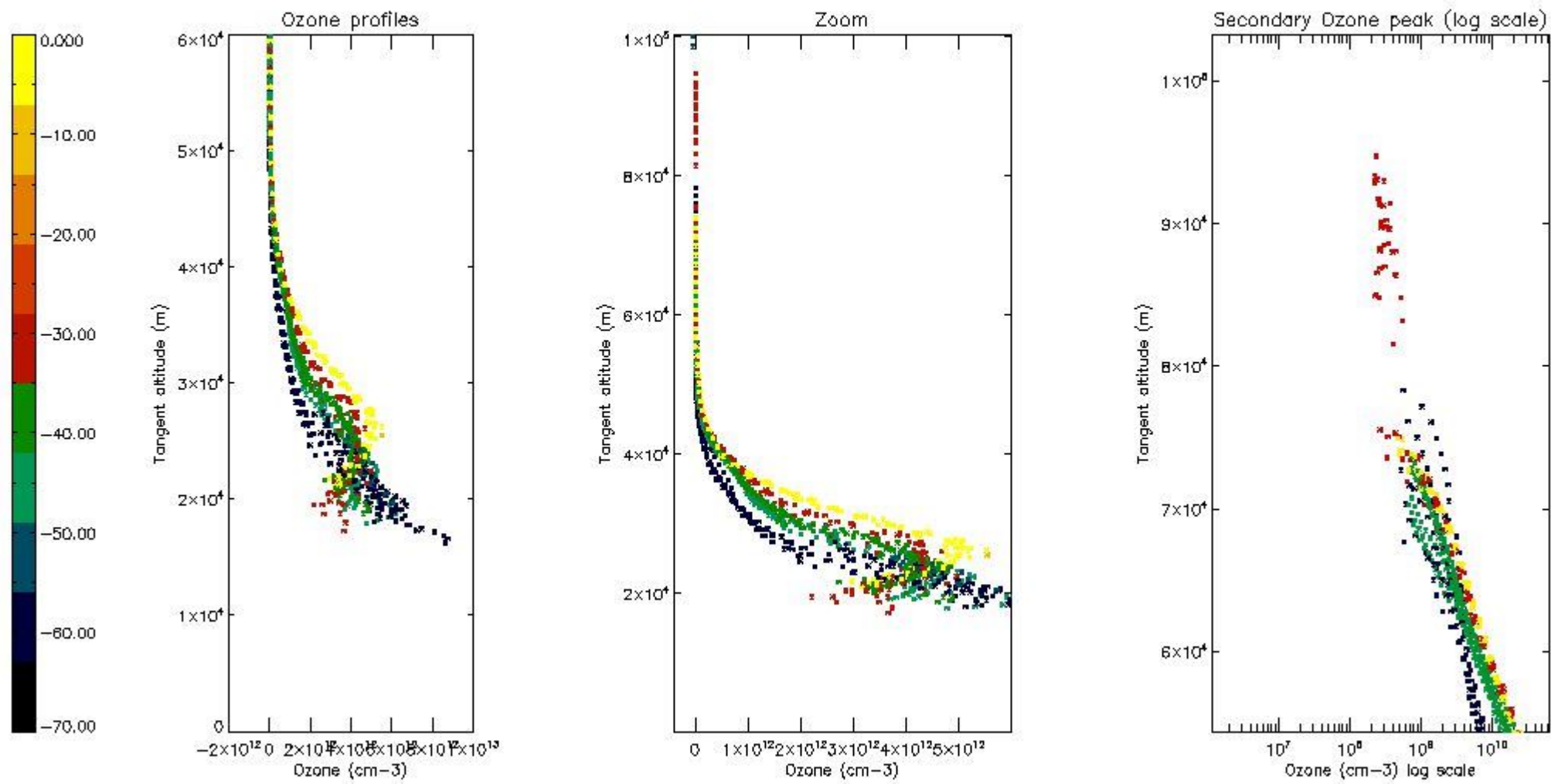
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



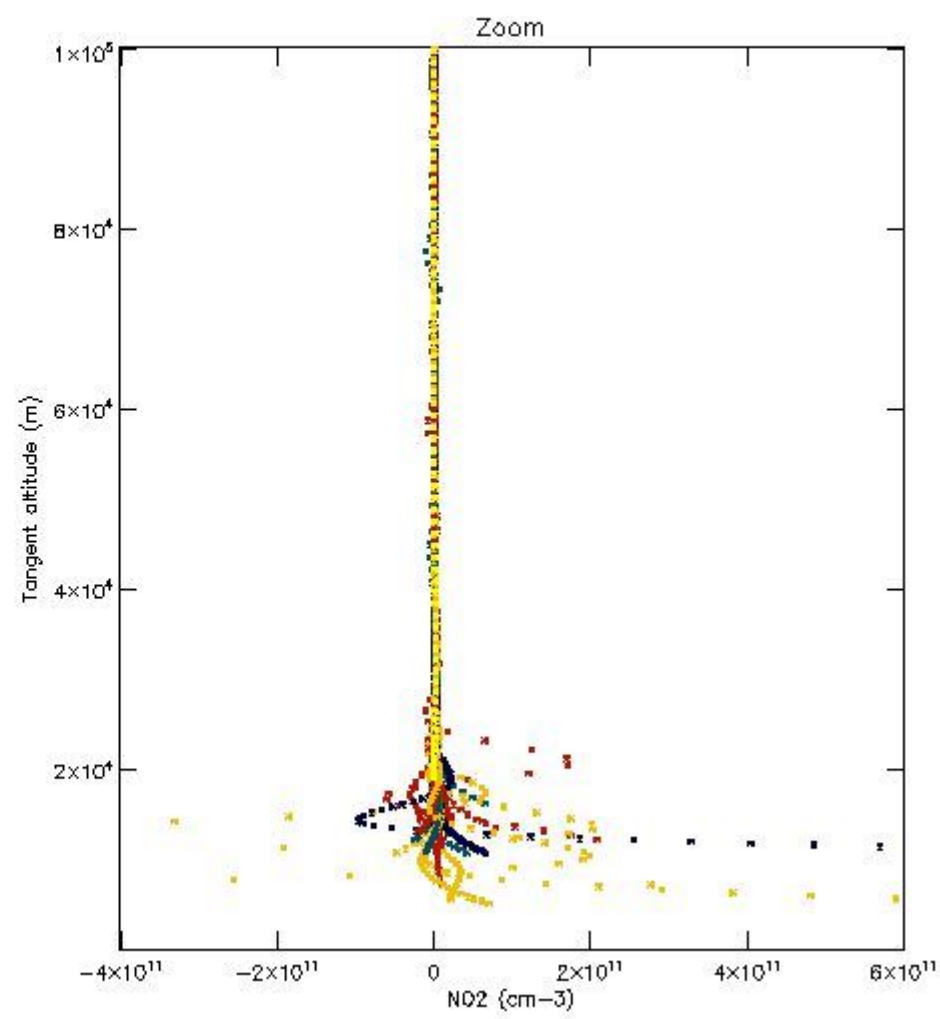
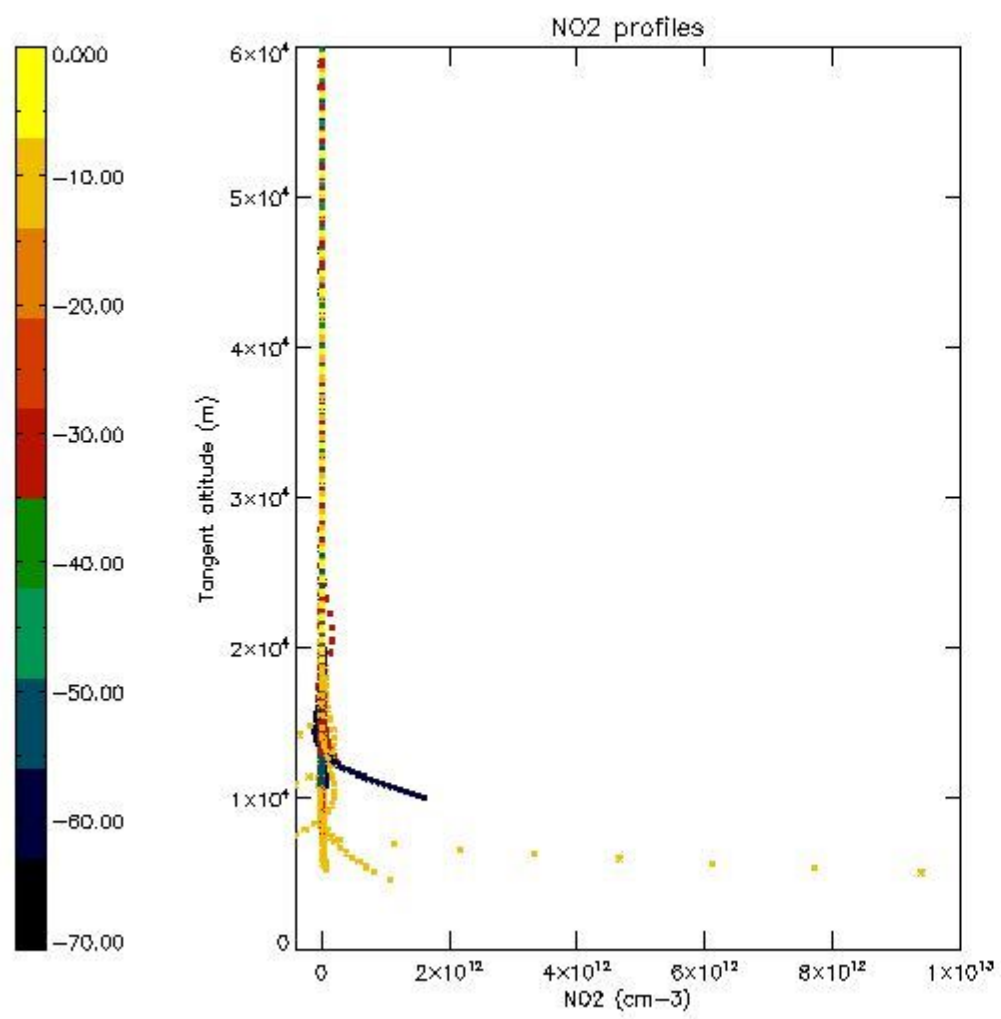
5.5 Plot ozone profiles where $STD < 5\%$ (dark without errors)

The colorbar represents the latitude.



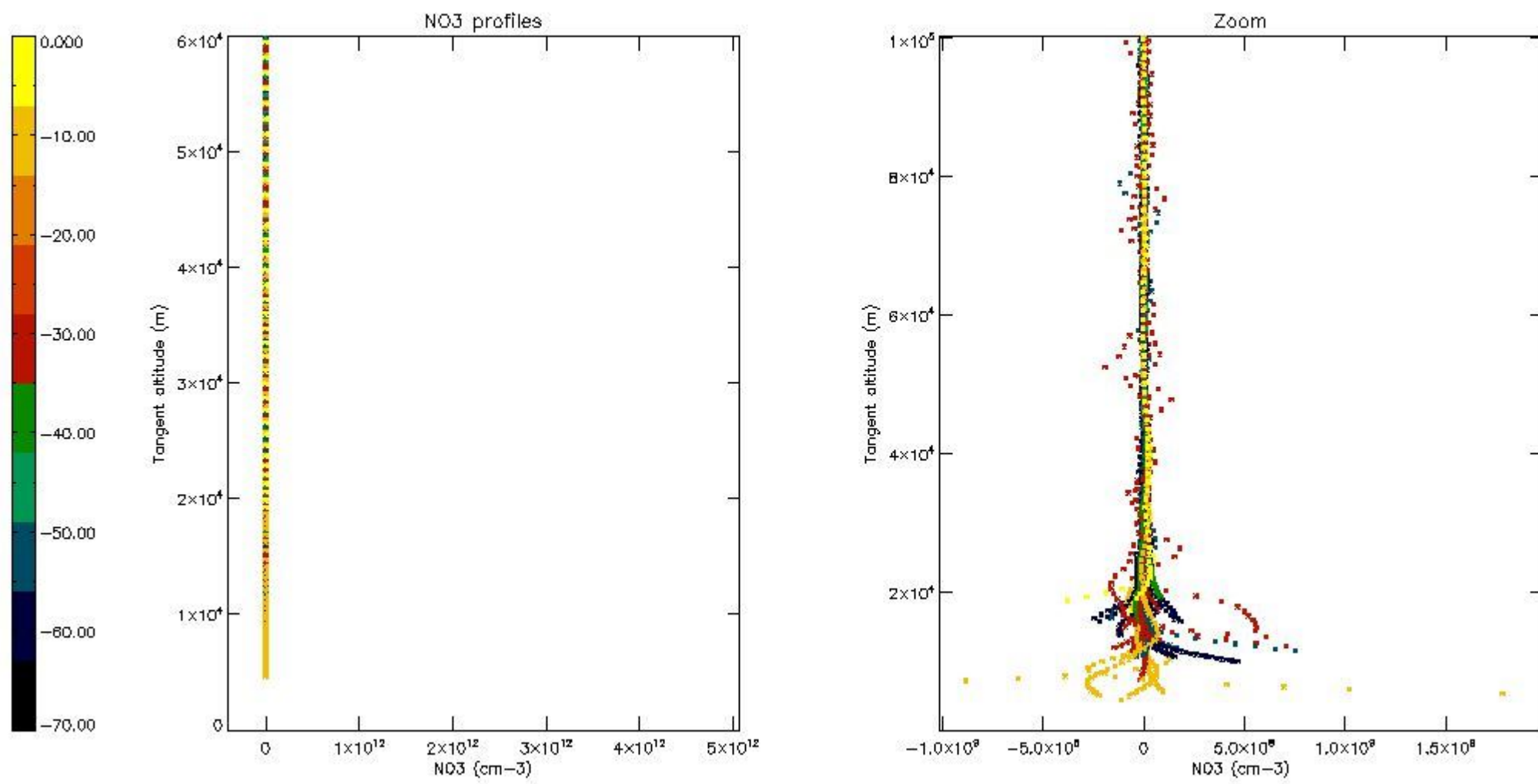
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



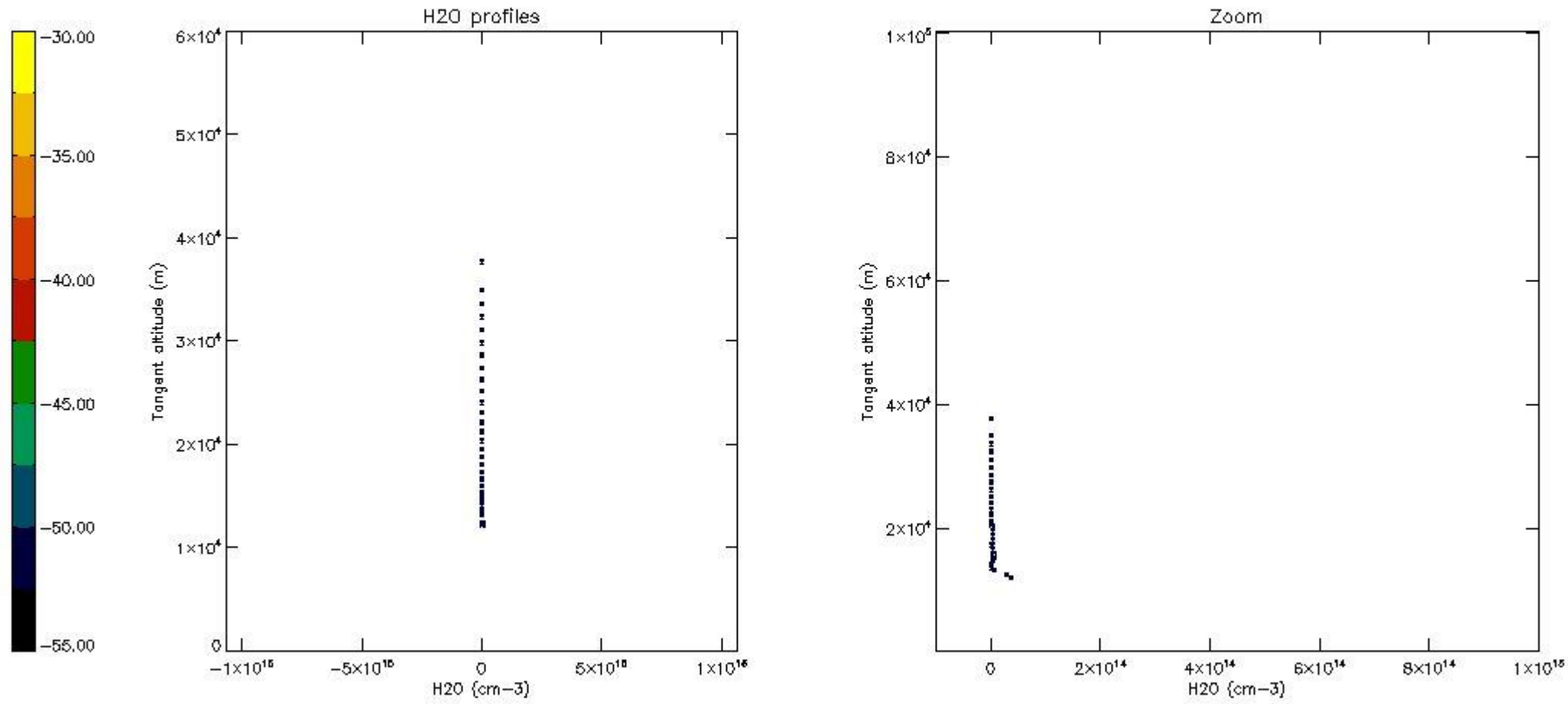
5.7 Plot NO3 profiles for all STD (dark without errors)

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	05-JUN-2004 00:04:42
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	05-JUN-2004 00:04:42
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	05-JUN-2004 00:04:42

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 \(time dependant\)](#)

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

[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 03:34:36
Data source version	GOMOS/6.01
Start time of products	05-06-2004 (05JUN2004 00:00:00)
Stop time of products	06-06-2004 (06JUN2004 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	206
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

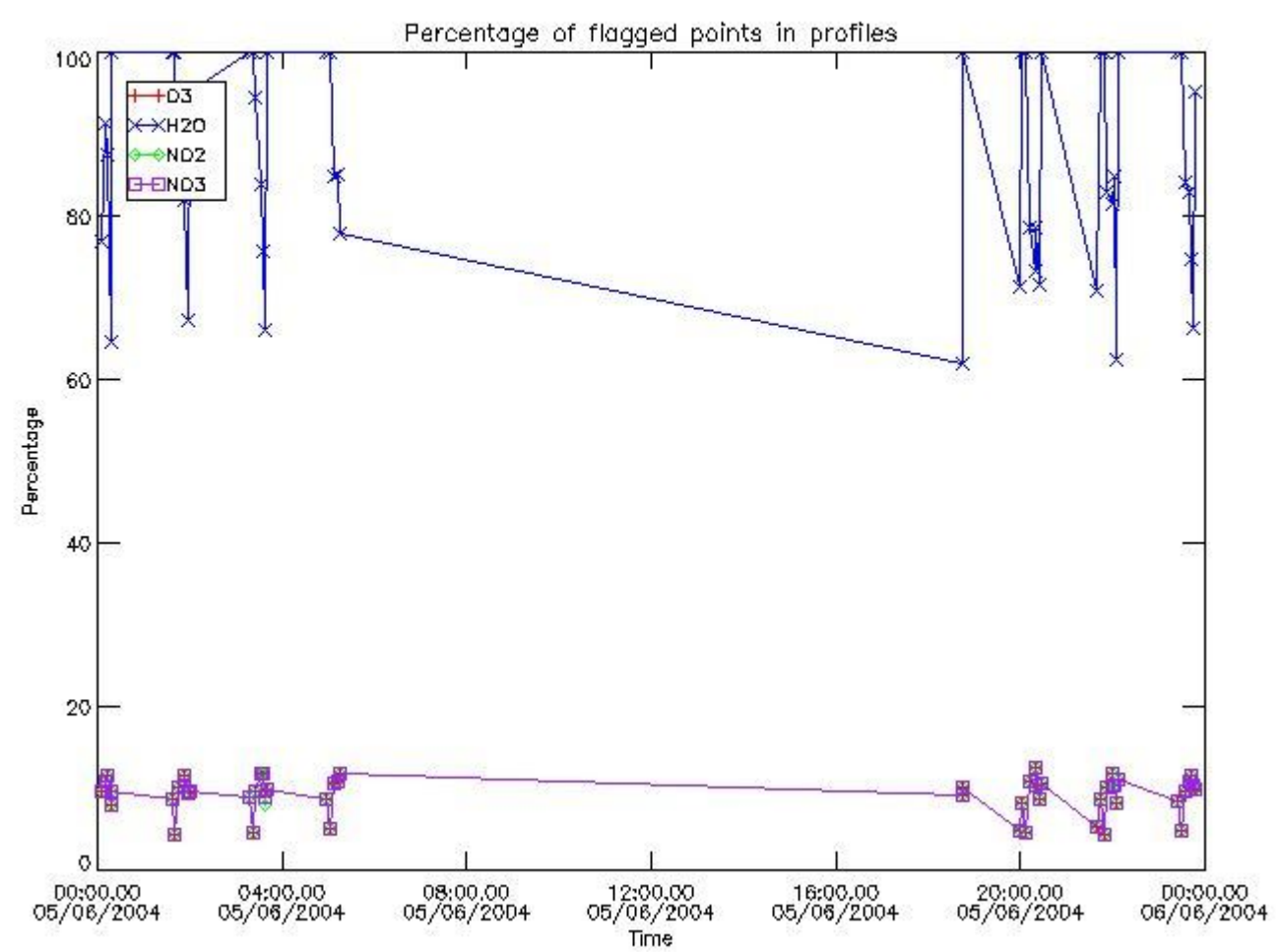
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20040605_000442_000000532027_00259_11836_3122.N1	05-JUN-2004 00:04:42	Dark	52.500	52	16Bet Cet	2.0370	4500.0	105	11836	No
2	GOM_NL__2PRFIN20040605_001119_000000472027_00259_11836_3123.N1	05-JUN-2004 00:11:19	Dark	47.000	84	Alp Phe	2.3970	4500.0	94	11836	No
3	GOM_NL__2PRFIN20040605_001306_000000442027_00259_11836_3124.N1	05-JUN-2004 00:13:06	Dark	44.000	9	Alp Eri	0.45300	24000.	88	11836	No
4	GOM_NL__2PRFIN20040605_001655_000000642027_00260_11837_3112.N1	05-JUN-2004 00:16:55	Dark	64.000	63	Bet Gru	2.1500	2800.0	128	11837	No
5	GOM_NL__2PRFIN20040605_001852_000000532027_00260_11837_3113.N1	05-JUN-2004 00:18:52	Dark	53.000	31	Alp Gru	1.7340	15200.	106	11837	No
6	GOM_NL__2PRFIN20040605_002333_000000472027_00260_11837_3114.N1	05-JUN-2004 00:23:33	Straylight	46.500	45	Alp Pav	1.9400	26000.	93	11837	No
7	GOM_NL__2PRFIN20040605_002646_000000512027_00260_11837_3115.N1	05-JUN-2004 00:26:46	Straylight	51.000	43	Alp TrA	1.9100	4250.0	102	11837	No
8	GOM_NL__2PRFIN20040605_002848_000000402027_00260_11837_3116.N1	05-JUN-2004 00:28:48	Straylight	40.000	134	Bet TrA	2.8100	6600.0	80	11837	No
9	GOM_NL__2PRFIN20040605_003046_000000432027_00260_11837_3117.N1	05-JUN-2004 00:30:46	Straylight	43.000	147	Alp Ara	2.8770	26000.	86	11837	No
10	GOM_NL__2PRFIN20040605_003227_000000502027_00260_11837_3118.N1	05-JUN-2004 00:32:27	Straylight	50.000	40	The Sco	1.8590	7100.0	100	11837	No
11	GOM_NL__2PRFIN20040605_003414_000000482027_00260_11837_3119.N1	05-JUN-2004 00:34:14	Twilight_stray	47.500	25	35Lam Sco	1.6200	28000.	95	11837	No
12	GOM_NL__2PRFIN20040605_003543_000000662027_00260_11837_3120.N1	05-JUN-2004 00:35:43	Twilight_stray	65.500	57	34Sig Sgr	2.0660	26000.	131	11837	No
13	GOM_NL__2PRFIN20040605_003752_000000482027_00260_11837_3121.N1	05-JUN-2004 00:37:52	Bright	48.000	136	23Tau Sco	2.8220	30000.	96	11837	No
14	GOM_NL__2PRFIN20040605_003952_000000442027_00260_11837_3122.N1	05-JUN-2004 00:39:52	Bright	44.000	80	7Del Sco	2.3160	30000.	88	11837	No
15	GOM_NL__2PRFIN20040605_004122_000000462027_00260_11837_3123.N1	05-JUN-2004 00:41:22	Bright	45.500	86	35Eta Oph	2.4300	10200.	91	11837	No
16	GOM_NL__2PRFIN20040605_004310_000000432027_00260_11837_3124.N1	05-JUN-2004 00:43:10	Bright	43.000	98	13Zet Oph	2.5710	30000.	86	11837	No
17	GOM_NL__2PRFIN20040605_004518_000000422027_00260_11837_3125.N1	05-JUN-2004 00:45:18	Bright	42.000	120	1Del Oph	2.7340	3200.0	84	11837	No
18	GOM_NL__2PRFIN20040605_004821_000000372027_00260_11837_3126.N1	05-JUN-2004 00:48:21	Bright	37.000	102	24Alp Ser	2.6000	4250.0	74	11837	No
19	GOM_NL__2PRFIN20040605_005237_000000402027_00260_11837_3127.N1	05-JUN-2004 00:52:37	Bright	39.500	3	16Alp Boo	-0.050000	4250.0	79	11837	No
20	GOM_NL__2PRFIN20040605_005410_000000382027_00260_11837_3128.N1	05-JUN-2004 00:54:10	Bright	37.500	67	5Alp CrB	2.2210	11000.	75	11837	No
21	GOM_NL__2PRFIN20040605_005627_000000452027_00260_11837_3129.N1	05-JUN-2004 00:56:27	Bright	44.500	133	40Zet Her	2.8070	6000.0	89	11837	No
22	GOM_NL__2PRFIN20040605_010108_000000392027_00260_11837_3130.N1	05-JUN-2004 01:01:08	Bright	38.500	39	85Eta UMa	1.8540	24000.	77	11837	No
23	GOM_NL__2PRFIN20040605_010258_000000432027_00260_11837_3131.N1	05-JUN-2004 01:02:58	Bright	43.000	55	79Zet UMa	2.0600	10200.	86	11837	No
24	GOM_NL__2PRFIN20040605_010434_000000392027_00260_11837_3132.N1	05-JUN-2004 01:04:34	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	11837	No
25	GOM_NL__2PRFIN20040605_010729_000000412027_00260_11837_3133.N1	05-JUN-2004 01:07:29	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	11837	No
26	GOM_NL__2PRFIN20040605_011212_000000382027_00260_11837_3134.N1	05-JUN-2004 01:12:12	Bright	38.000	49	1Alp UMi	1.9900	6300.0	76	11837	No
27	GOM_NL__2PRFIN20040605_011437_000000472027_00260_11837_3135.N1	05-JUN-2004 01:14:37	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	11837	No
28	GOM_NL__2PRFIN20040605_011618_000000812027_00260_11837_3136.N1	05-JUN-2004 01:16:18	Bright	80.500	19	50Alp Cyg	1.2460	10500.	161	11837	No
29	GOM_NL__2PRFIN20040605_012008_000000482027_00260_11837_3137.N1	05-JUN-2004 01:20:08	Bright	48.000	76	27Gam Cas	2.3000	30000.	96	11837	No
30	GOM_NL__2PRFIN20040605_012605_000001732027_00260_11837_3138.N1	05-JUN-2004 01:26:05	Straylight	173.00	92	53Eps Cyg	2.5000	4500.0	346	11837	No
31	GOM_NL__2PRFIN20040605_013056_000000582027_00260_11837_3139.N1	05-JUN-2004 01:30:56	Twilight_stray	58.000	58	21Alp And	2.0730	11000.	116	11837	No
32	GOM_NL__2PRFIN20040605_013614_000000582027_00260_11837_3140.N1	05-JUN-2004 01:36:14	Dark	58.000	140	88Gam Peg	2.8340	26000.	116	11837	No
33	GOM_NL__2PRFIN20040605_014035_000001202027_00260_11837_3141.N1	05-JUN-2004 01:40:35	Dark	120.00	90	54Alp Peg	2.4870	11000.	240	11837	No
34	GOM_NL__2PRFIN20040605_014517_000000502027_00260_11837_3142.N1	05-JUN-2004 01:45:17	Dark	50.000	52	16Bet Cet	2.0370	4500.0	100	11837	No
35	GOM_NL__2PRFIN20040605_015156_000000492027_00260_11837_3143.N1	05-JUN-2004 01:51:56	Dark	49.000	84	Alp Phe	2.3970	4500.0	98	11837	No
36	GOM_NL__2PRFIN20040605_015343_000000452027_00260_11837_3144.N1	05-JUN-2004 01:53:43	Dark	44.500	9	Alp Eri	0.45300	24000.	89	11837	No
37	GOM_NL__2PRFIN20040605_015733_000000542027_00261_11838_3112.N1	05-JUN-2004 01:57:33	Dark	54.000	63	Bet Gru	2.1500	2800.0	108	11838	No
38	GOM_NL__2PRFIN20040605_015928_000000532027_00261_11838_3113.N1	05-JUN-2004 01:59:28	Dark	52.500	31	Alp Gru	1.7340	15200.	105	11838	No
39	GOM_NL__2PRFIN20040605_020412_000000442027_00261_11838_3114.N1	05-JUN-2004 02:04:12	Straylight	44.000	45	Alp Pav	1.9400	26000.	88	11838	No
40	GOM_NL__2PRFIN20040605_020722_000000422027_00261_11838_3115.N1	05-JUN-2004 02:07:22	Straylight	41.500	43	Alp TrA	1.9100	4250.0	83	11838	No
41	GOM_NL__2PRFIN20040605_020924_000000392027_00261_11838_3116.N1	05-JUN-2004 02:09:24	Straylight	39.000	134	Bet TrA	2.8100	6600.0	78	11838	No
42	GOM_NL__2PRFIN20040605_021122_000000422027_00261_11838_3117.N1	05-JUN-2004 02:11:22	Straylight	42.000	147	Alp Ara	2.8770	26000.	84	11838	No

161	GOM_NL_2PRFIN20040605_213234_000001852027_00272_11849_3140.N1	05-JUN-2004 21:32:34	Straylight	185.00	92	53Eps Cyg	2.5000	4500.0	370	11849	No
162	GOM_NL_2PRFIN20040605_213809_000000612027_00272_11849_3141.N1	05-JUN-2004 21:38:09	Straylight	60.500	58	21Alp And	2.0730	11000.	121	11849	No
163	GOM_NL_2PRFIN20040605_214001_000001072027_00272_11849_3142.N1	05-JUN-2004 21:40:01	Dark	107.00	93	53Bet Peg	2.5200	3100.0	214	11849	No
164	GOM_NL_2PRFIN20040605_214332_000000602027_00272_11849_3143.N1	05-JUN-2004 21:43:32	Dark	59.500	140	88Gam Peg	2.8340	26000.	119	11849	No
165	GOM_NL_2PRFIN20040605_214810_000001182027_00272_11849_3144.N1	05-JUN-2004 21:48:10	Dark	117.50	90	54Alp Peg	2.4870	11000.	235	11849	No
166	GOM_NL_2PRFIN20040605_215239_000000502027_00272_11849_3145.N1	05-JUN-2004 21:52:39	Dark	50.000	52	16Bet Cet	2.0370	4500.0	100	11849	No
167	GOM_NL_2PRFIN20040605_215915_000000442027_00272_11849_3146.N1	05-JUN-2004 21:59:15	Dark	43.500	84	Alp Phe	2.3970	4500.0	87	11849	No
168	GOM_NL_2PRFIN20040605_220057_000000502027_00272_11849_3147.N1	05-JUN-2004 22:00:57	Dark	49.500	9	Alp Eri	0.45300	24000.	99	11849	No
169	GOM_NL_2PRFIN20040605_220456_000000632027_00273_11850_3115.N1	05-JUN-2004 22:04:56	Dark	63.000	63	Bet Gru	2.1500	2800.0	126	11850	No
170	GOM_NL_2PRFIN20040605_220654_000000502027_00273_11850_3116.N1	05-JUN-2004 22:06:54	Dark	50.000	31	Alp Gru	1.7340	15200.	100	11850	No
171	GOM_NL_2PRFIN20040605_221132_000000462027_00273_11850_3117.N1	05-JUN-2004 22:11:32	Straylight	45.500	45	Alp Pav	1.9400	26000.	91	11850	No
172	GOM_NL_2PRFIN20040605_221436_000000502027_00273_11850_3118.N1	05-JUN-2004 22:14:36	Straylight	50.000	43	Alp TrA	1.9100	4250.0	100	11850	No
173	GOM_NL_2PRFIN20040605_221637_000000402027_00273_11850_3119.N1	05-JUN-2004 22:16:37	Straylight	40.000	134	Bet TrA	2.8100	6600.0	80	11850	No
174	GOM_NL_2PRFIN20040605_221838_000000412027_00273_11850_3120.N1	05-JUN-2004 22:18:38	Straylight	41.000	147	Alp Ara	2.8770	26000.	82	11850	No
175	GOM_NL_2PRFIN20040605_222020_000000482027_00273_11850_3121.N1	05-JUN-2004 22:20:20	Straylight	47.500	40	The Sco	1.8590	7100.0	95	11850	No
176	GOM_NL_2PRFIN20040605_222206_000000492027_00273_11850_3122.N1	05-JUN-2004 22:22:06	Twi_and_stray	48.500	25	35Lam Sco	1.6200	28000.	97	11850	No
177	GOM_NL_2PRFIN20040605_222344_000000522027_00273_11850_3123.N1	05-JUN-2004 22:23:44	Twi_and_stray	52.000	75	26Eps Sco	2.2910	4250.0	104	11850	No
178	GOM_NL_2PRFIN20040605_222543_000000552027_00273_11850_3124.N1	05-JUN-2004 22:25:43	Bright	55.000	136	23Tau Sco	2.8220	30000.	110	11850	No
179	GOM_NL_2PRFIN20040605_222743_000000412027_00273_11850_3125.N1	05-JUN-2004 22:27:43	Bright	41.000	80	7Del Sco	2.3160	30000.	82	11850	No
180	GOM_NL_2PRFIN20040605_222911_000000452027_00273_11850_3126.N1	05-JUN-2004 22:29:11	Bright	45.000	86	35Eta Oph	2.4300	10200.	90	11850	No
181	GOM_NL_2PRFIN20040605_223100_000000422027_00273_11850_3127.N1	05-JUN-2004 22:31:00	Bright	41.500	98	13Zet Oph	2.5710	30000.	83	11850	No
182	GOM_NL_2PRFIN20040605_223308_000000392027_00273_11850_3128.N1	05-JUN-2004 22:33:08	Bright	38.500	120	1Del Oph	2.7340	3200.0	77	11850	No
183	GOM_NL_2PRFIN20040605_223608_000000382027_00273_11850_3129.N1	05-JUN-2004 22:36:08	Bright	37.500	102	24Alp Ser	2.6000	4250.0	75	11850	No
184	GOM_NL_2PRFIN20040605_224027_000000442027_00273_11850_3130.N1	05-JUN-2004 22:40:27	Bright	43.500	3	16Alp Boo	-0.050000	4250.0	87	11850	No
185	GOM_NL_2PRFIN20040605_224157_000000372027_00273_11850_3131.N1	05-JUN-2004 22:41:57	Bright	37.000	67	5Alp CrB	2.2210	11000.	74	11850	No
186	GOM_NL_2PRFIN20040605_224410_000000402027_00273_11850_3132.N1	05-JUN-2004 22:44:10	Bright	40.000	133	40Zet Her	2.8070	6000.0	80	11850	No
187	GOM_NL_2PRFIN20040605_224859_000000382027_00273_11850_3133.N1	05-JUN-2004 22:48:59	Bright	37.500	39	85Eta UMa	1.8540	24000.	75	11850	No
188	GOM_NL_2PRFIN20040605_225049_000000392027_00273_11850_3134.N1	05-JUN-2004 22:50:49	Bright	38.500	55	79Zet UMa	2.0600	10200.	77	11850	No
189	GOM_NL_2PRFIN20040605_225219_000000392027_00273_11850_3135.N1	05-JUN-2004 22:52:19	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	11850	No
190	GOM_NL_2PRFIN20040605_225518_000000402027_00273_11850_3136.N1	05-JUN-2004 22:55:18	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	11850	No
191	GOM_NL_2PRFIN20040605_230001_000000352027_00273_11850_3137.N1	05-JUN-2004 23:00:01	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	11850	No
192	GOM_NL_2PRFIN20040605_230217_000000482027_00273_11850_3138.N1	05-JUN-2004 23:02:17	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	11850	No
193	GOM_NL_2PRFIN20040605_230754_000000572027_00273_11850_3139.N1	05-JUN-2004 23:07:54	Bright	57.000	76	27Gam Cas	2.3000	30000.	114	11850	No
194	GOM_NL_2PRFIN20040605_231306_000001872027_00273_11850_3140.N1	05-JUN-2004 23:13:06	Straylight	187.00	92	53Eps Cyg	2.5000	4500.0	374	11850	No
195	GOM_NL_2PRFIN20040605_231845_000000602027_00273_11850_3141.N1	05-JUN-2004 23:18:45	Straylight	59.500	58	21Alp And	2.0730	11000.	119	11850	No
196	GOM_NL_2PRFIN20040605_232409_000000602027_00273_11850_3142.N1	05-JUN-2004 23:24:09	Dark	60.000	140	88Gam Peg	2.8340	26000.	120	11850	No
197	GOM_NL_2PRFIN20040605_232848_000001252027_00273_11850_3143.N1	05-JUN-2004 23:28:48	Dark	124.50	90	54Alp Peg	2.4870	11000.	249	11850	No
198	GOM_NL_2PRFIN20040605_233316_000000542027_00273_11850_3144.N1	05-JUN-2004 23:33:16	Dark	53.500	52	16Bet Cet	2.0370	4500.0	107	11850	No
199	GOM_NL_2PRFIN20040605_233951_000000482027_00273_11850_3145.N1	05-JUN-2004 23:39:51	Dark	47.500	84	Alp Phe	2.3970	4500.0	95	11850	No
200	GOM_NL_2PRFIN20040605_234133_000000442027_00273_11850_3146.N1	05-JUN-2004 23:41:33	Dark	44.000	9	Alp Eri	0.45300	24000.	88	11850	No
201	GOM_NL_2PRFIN20040605_234532_000000642027_00274_11851_3115.N1	05-JUN-2004 23:45:32	Dark	64.000	63	Bet Gru	2.1500	2800.0	128	11851	No
202	GOM_NL_2PRFIN20040605_234728_000000522027_00274_11851_3116.N1	05-JUN-2004 23:47:28	Dark	52.000	31	Alp Gru	1.7340	15200.	104	11851	No
203	GOM_NL_2PRFIN20040605_235208_000000442027_00274_11851_3117.N1	05-JUN-2004 23:52:08	Straylight	44.000	45	Alp Pav	1.9400	26000.	88	11851	No
204	GOM_NL_2PRFIN20040605_235511_000000442027_00274_11851_3118.N1	05-JUN-2004 23:55:11	Straylight	43.500	43	Alp TrA	1.9100	4250.0	87	11851	No
205	GOM_NL_2PRFIN20040605_235713_000000422027_00274_11851_3119.N1	05-JUN-2004 23:57:13	Straylight	41.500	134	Bet TrA	2.8100	6600.0	83	11851	No
206	GOM_NL_2PRFIN20040605_235913_000000432027_00274_11851_3120.N1	05-JUN-2004 23:59:13	Straylight	42.500	147	Alp Ara	2.8770	26000.	85	11851	No

3. Quality information per product

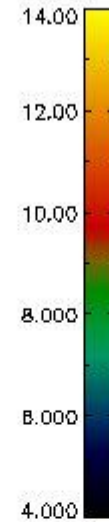
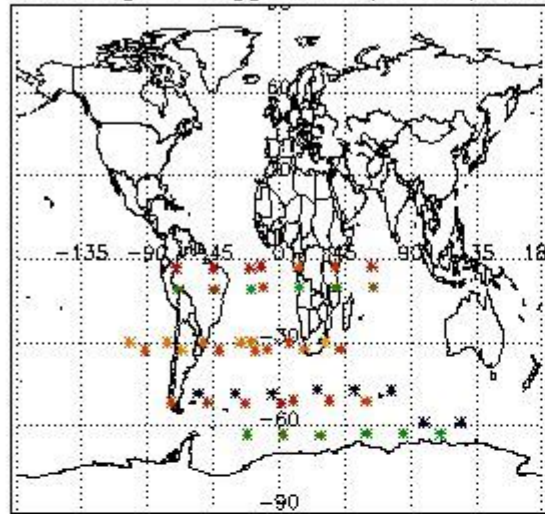
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

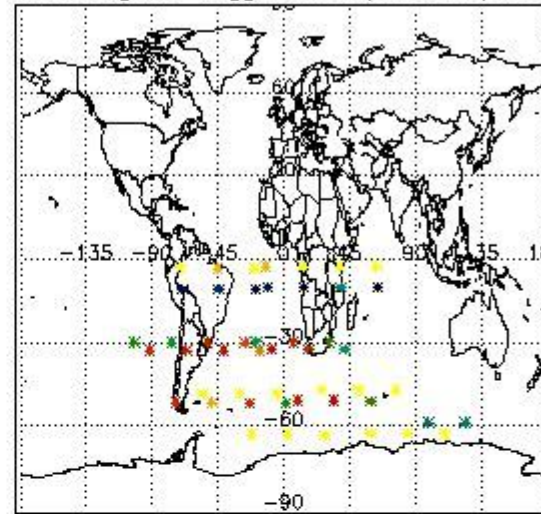


3.2 Plot quality information per product (world map)

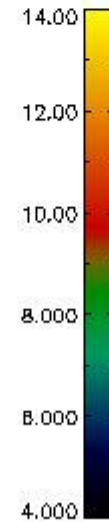
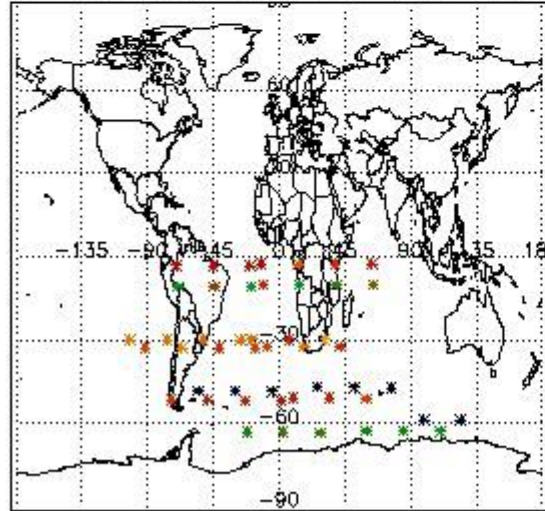
Percentage of flagged data per O3 profile



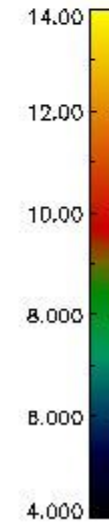
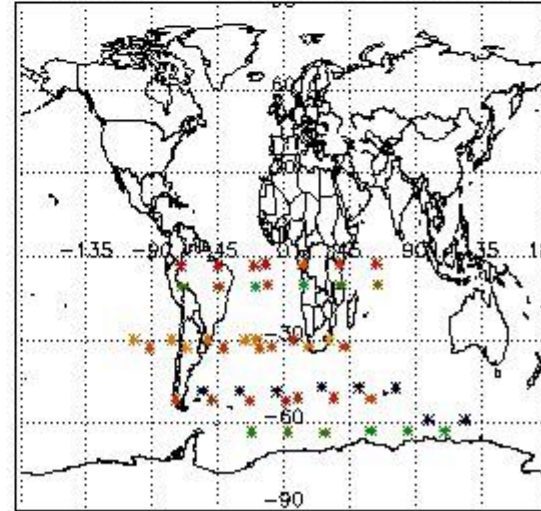
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

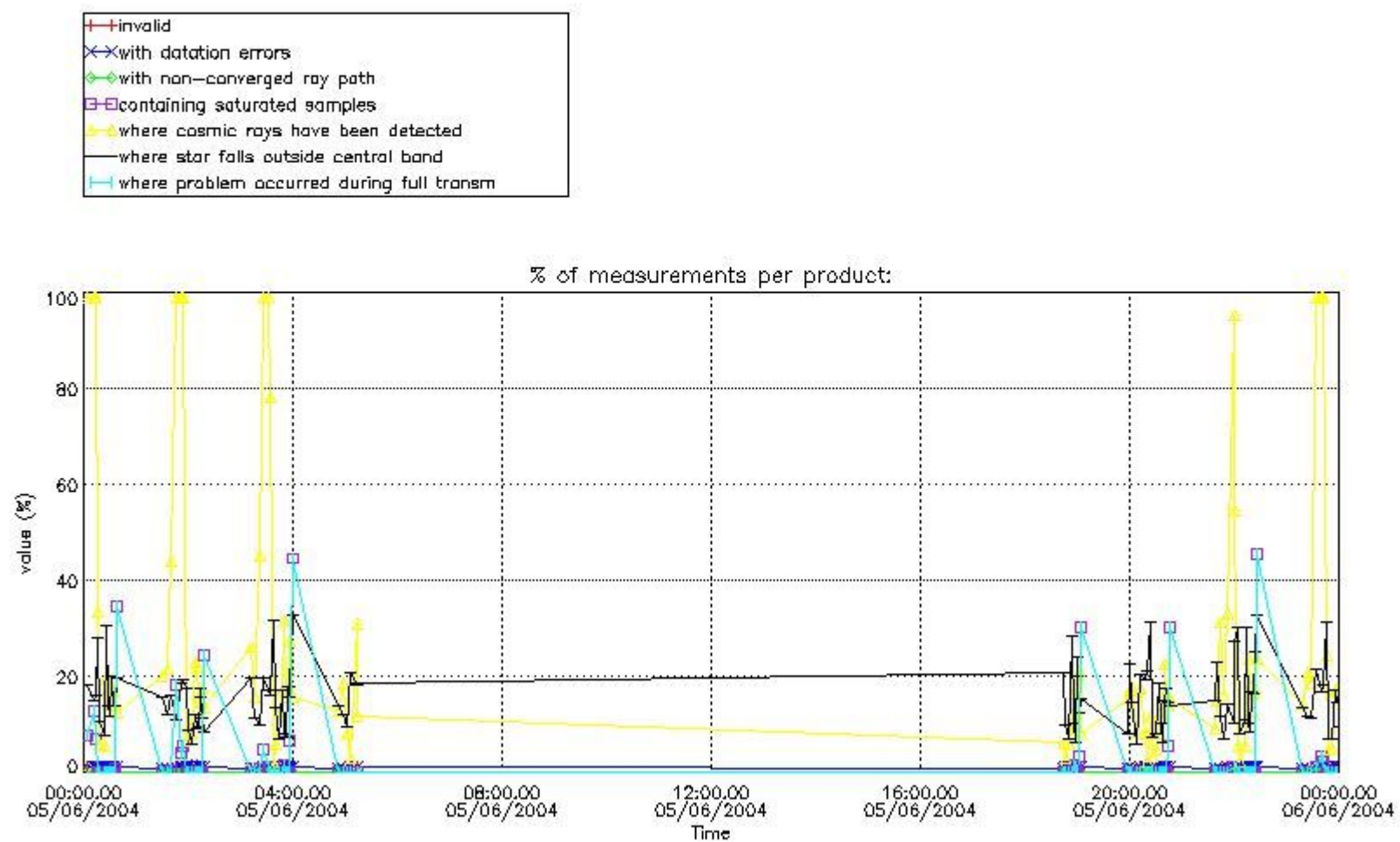


4. Level 1 quality information per product

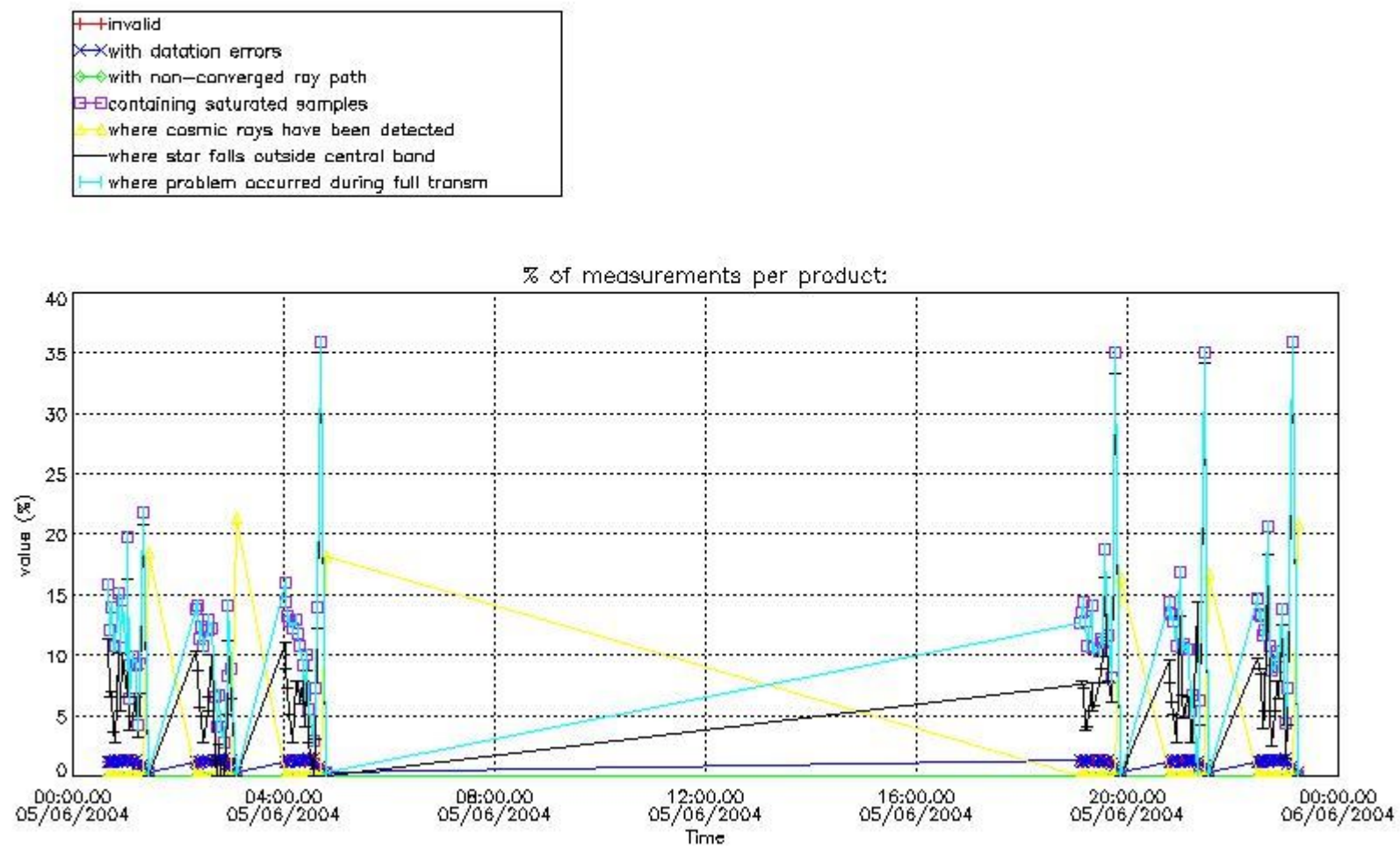
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



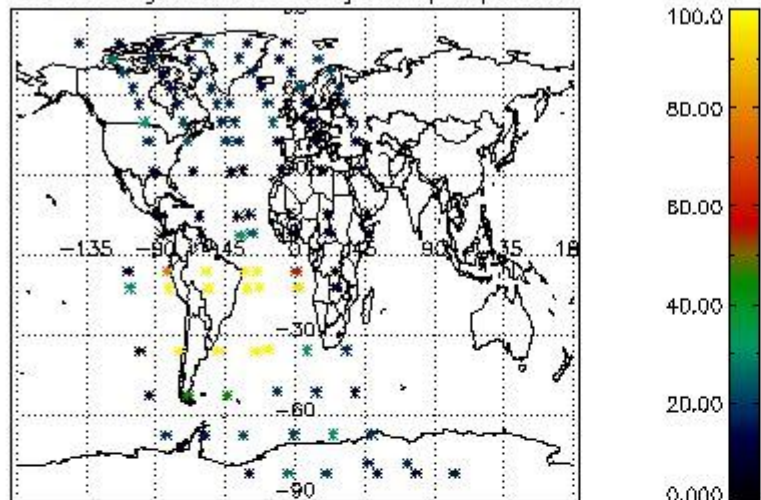
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



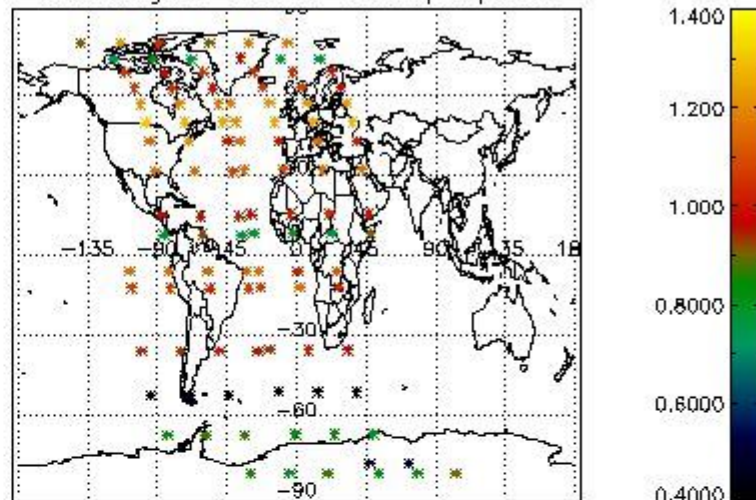
4.2 Plot quality information per product coming from level 1b processing (world map)

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

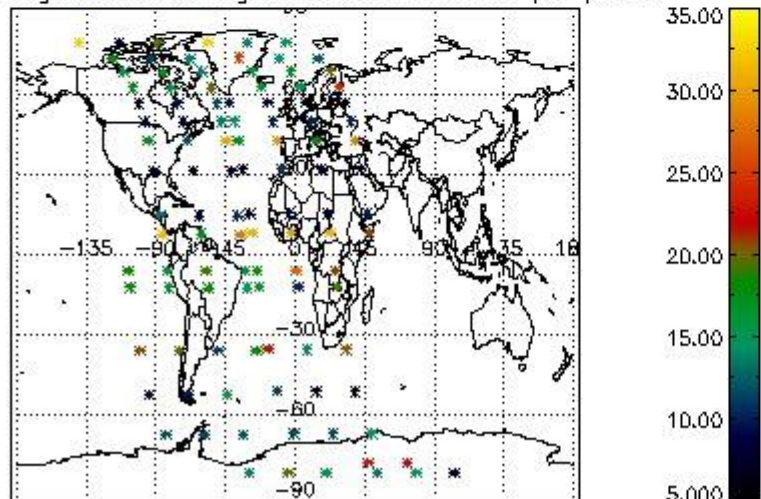
Percentage of cosmic ray hits per profile



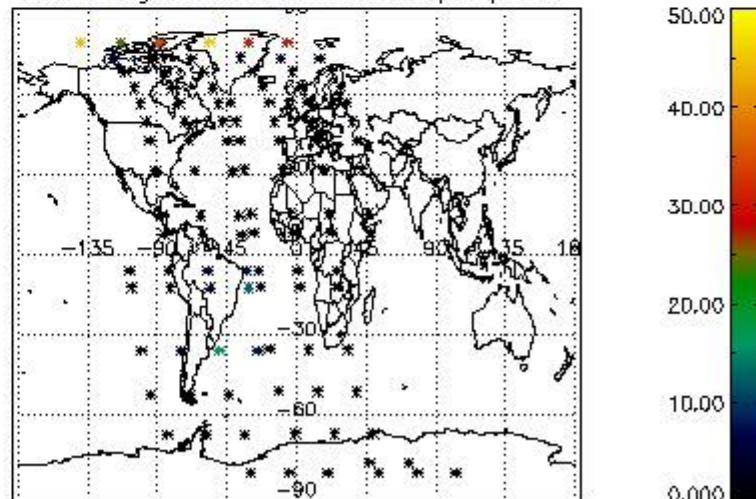
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

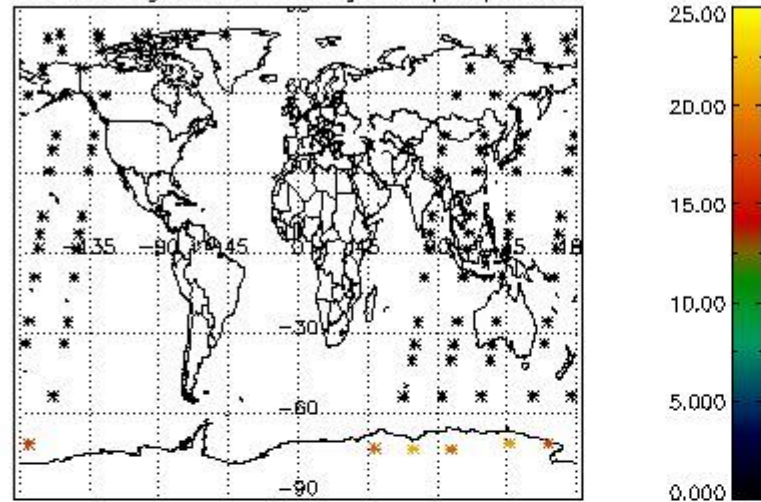


Percentage of saturation errors per profile

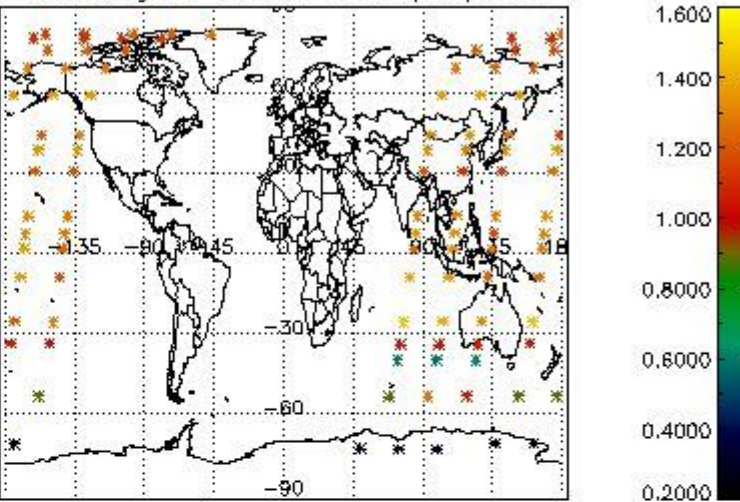


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

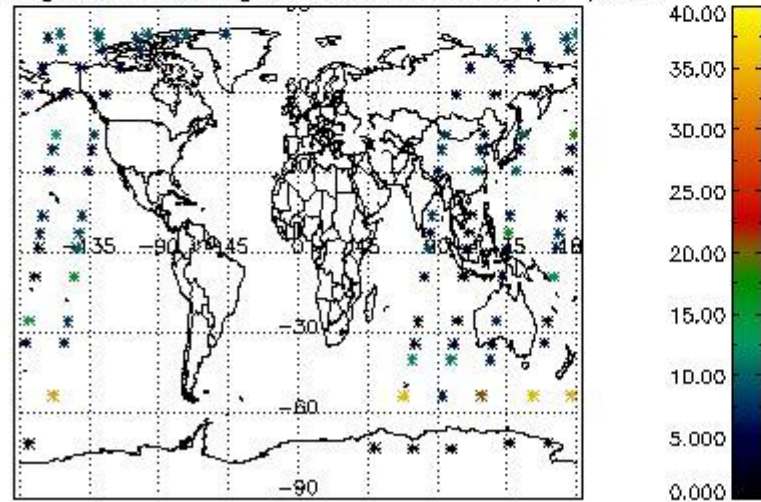
Percentage of cosmic ray hits per profile



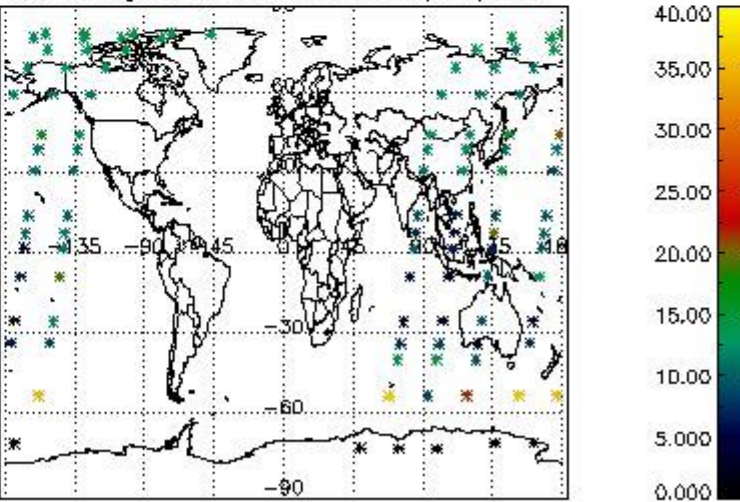
Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

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

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

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

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

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

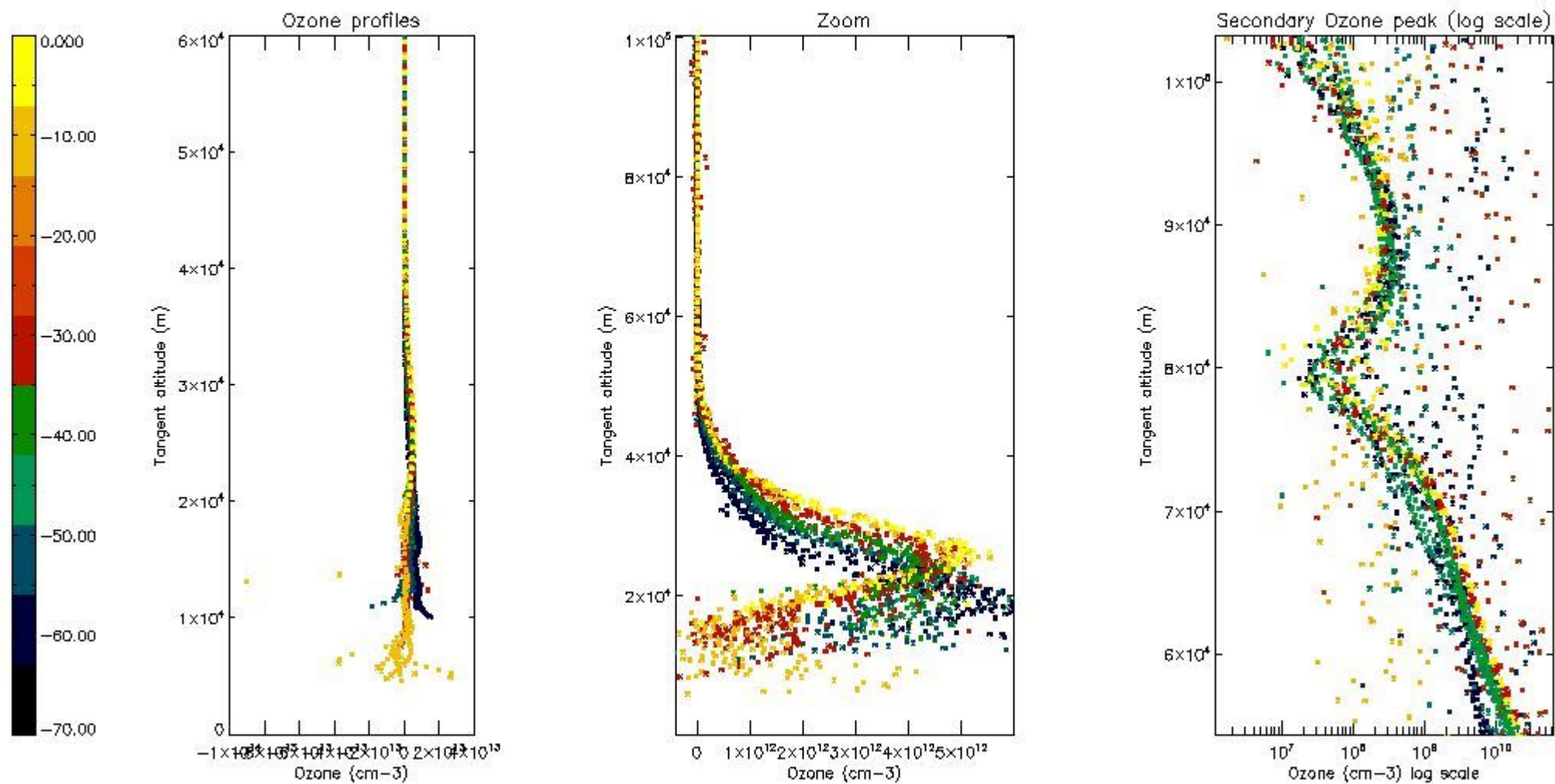
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	29
STD < 20	15

STD < 10	12
STD < 5	9

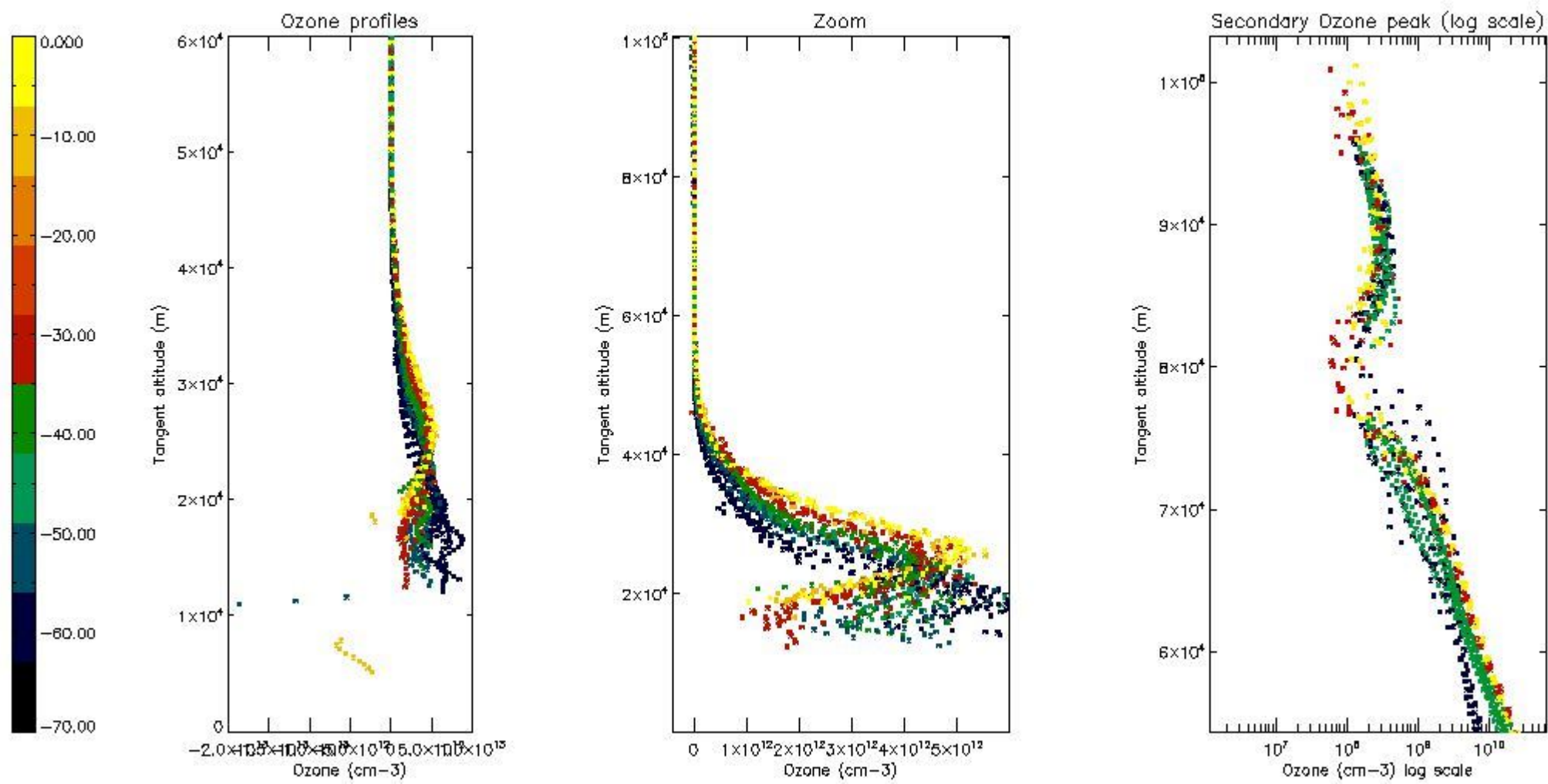
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



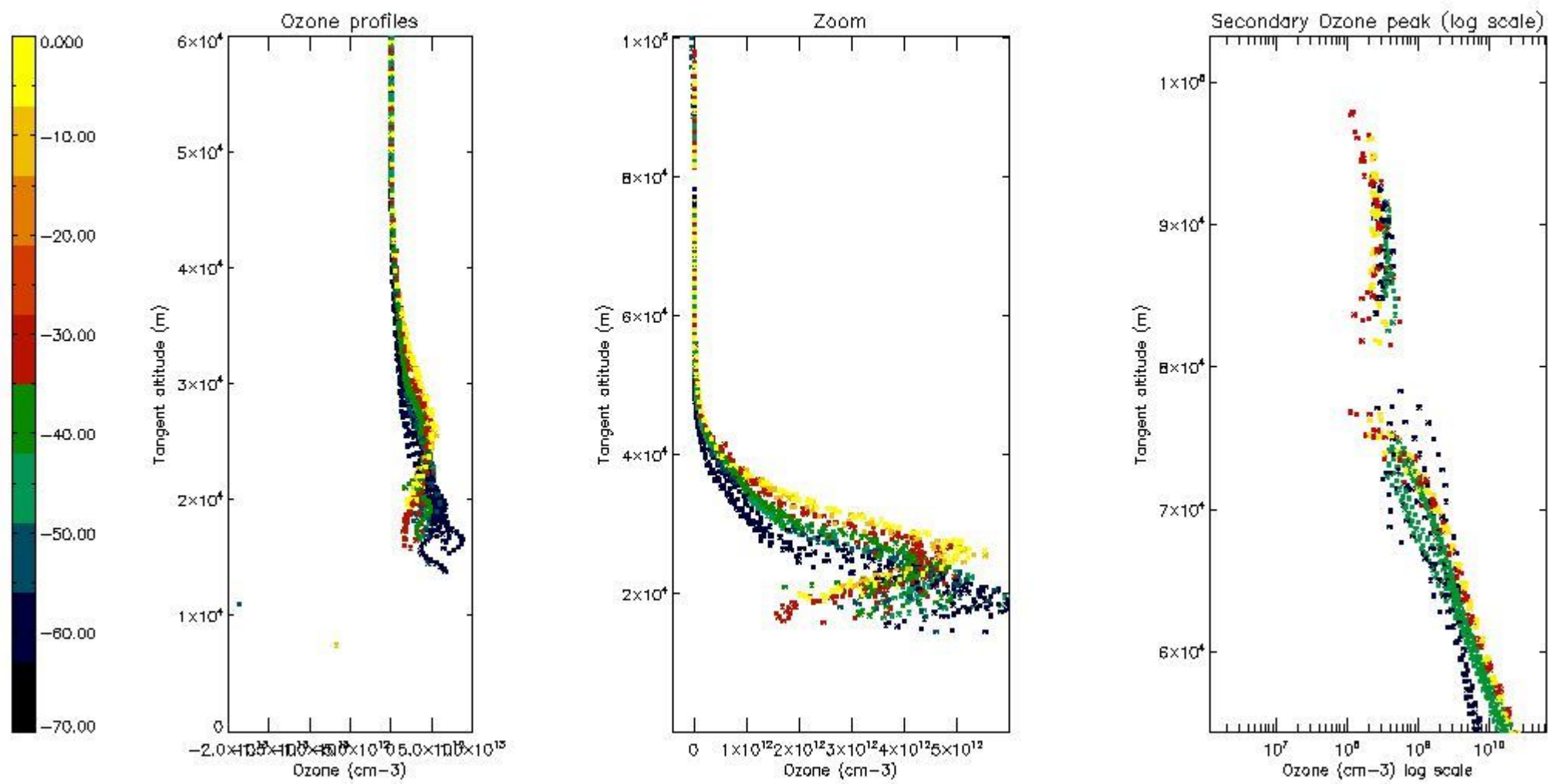
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



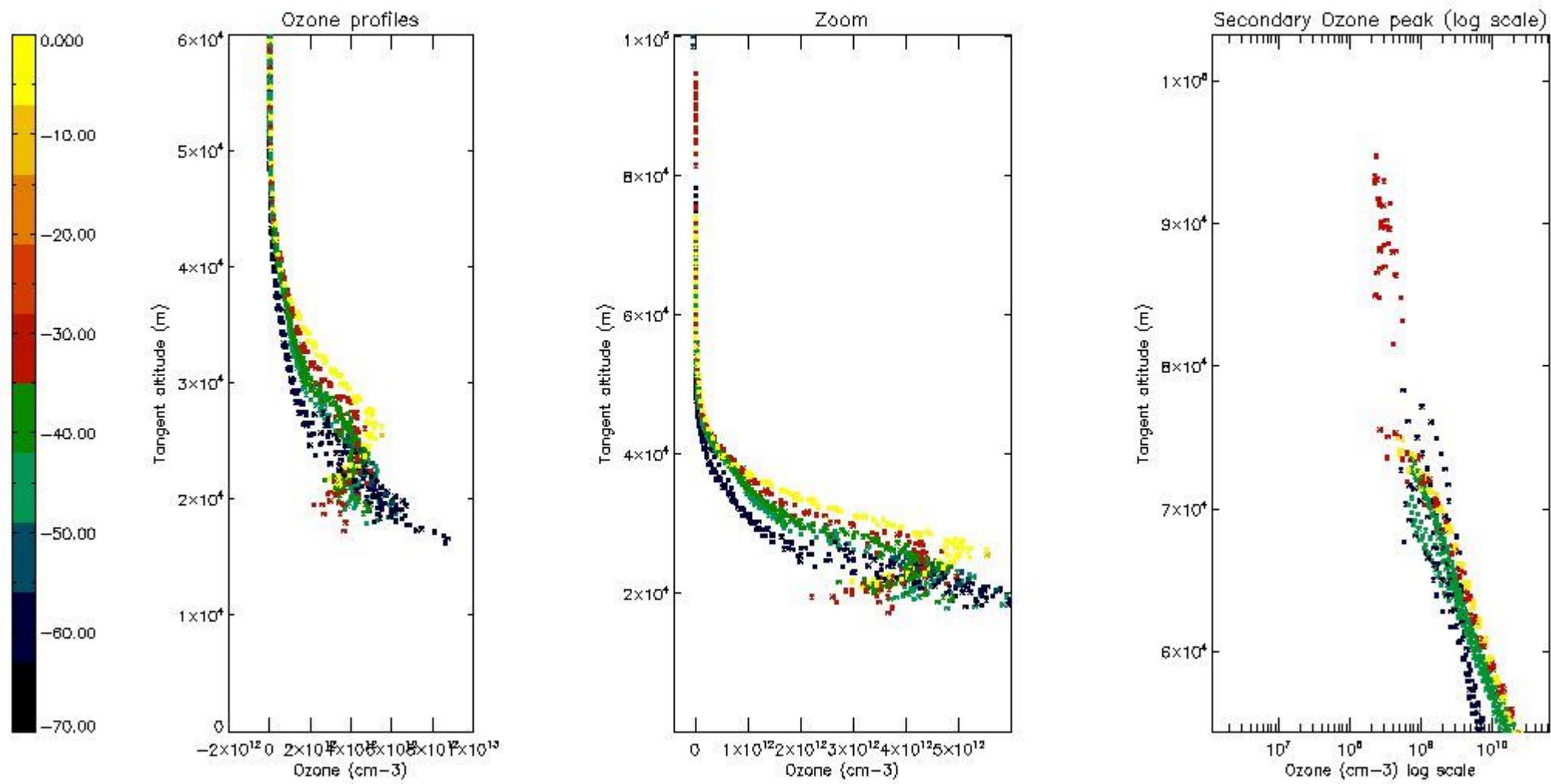
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



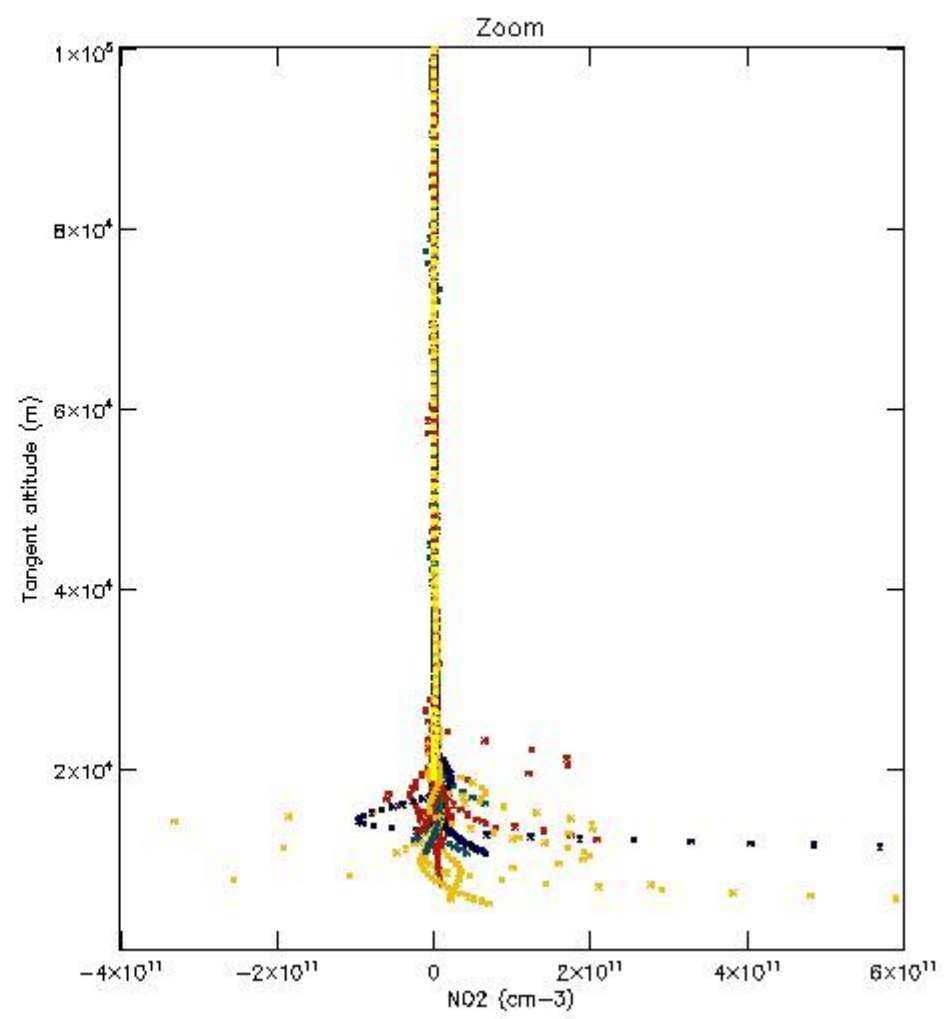
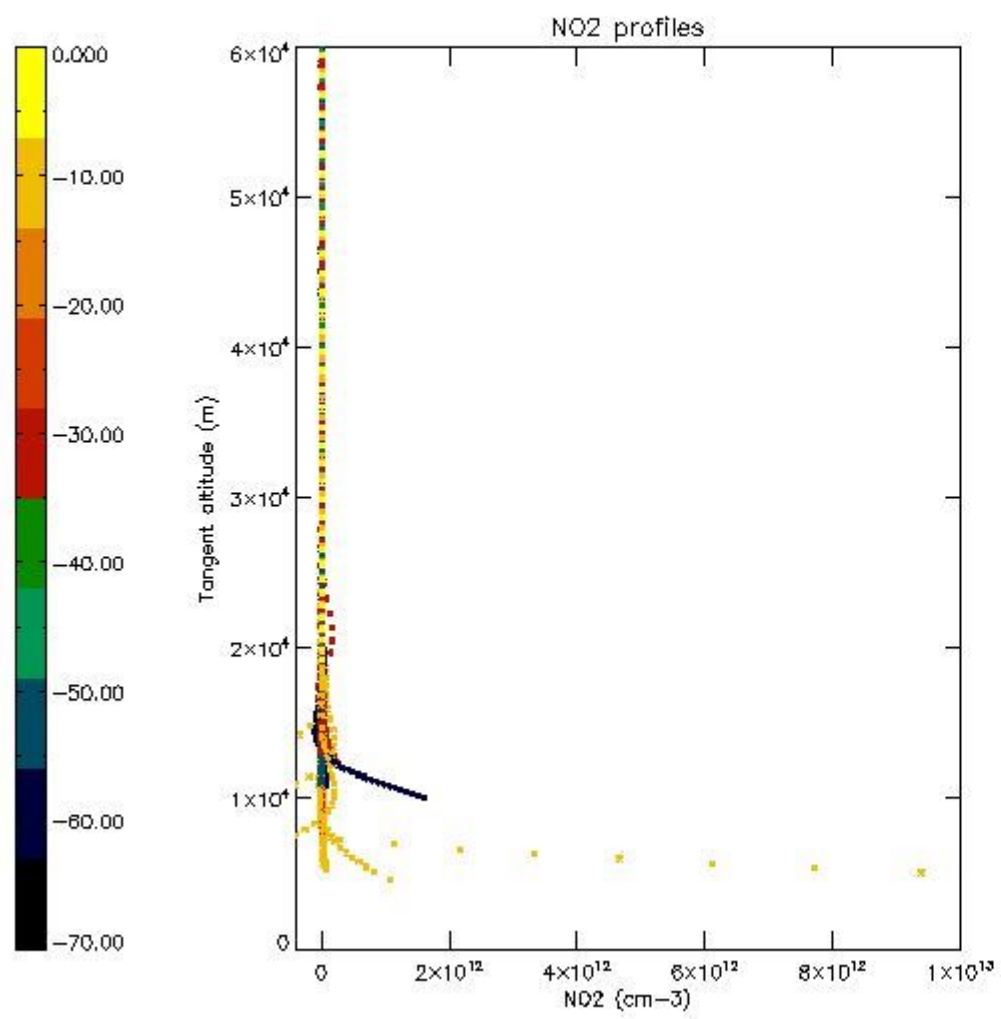
5.5 Plot ozone profiles where $STD < 5\%$ (dark without errors)

The colorbar represents the latitude.



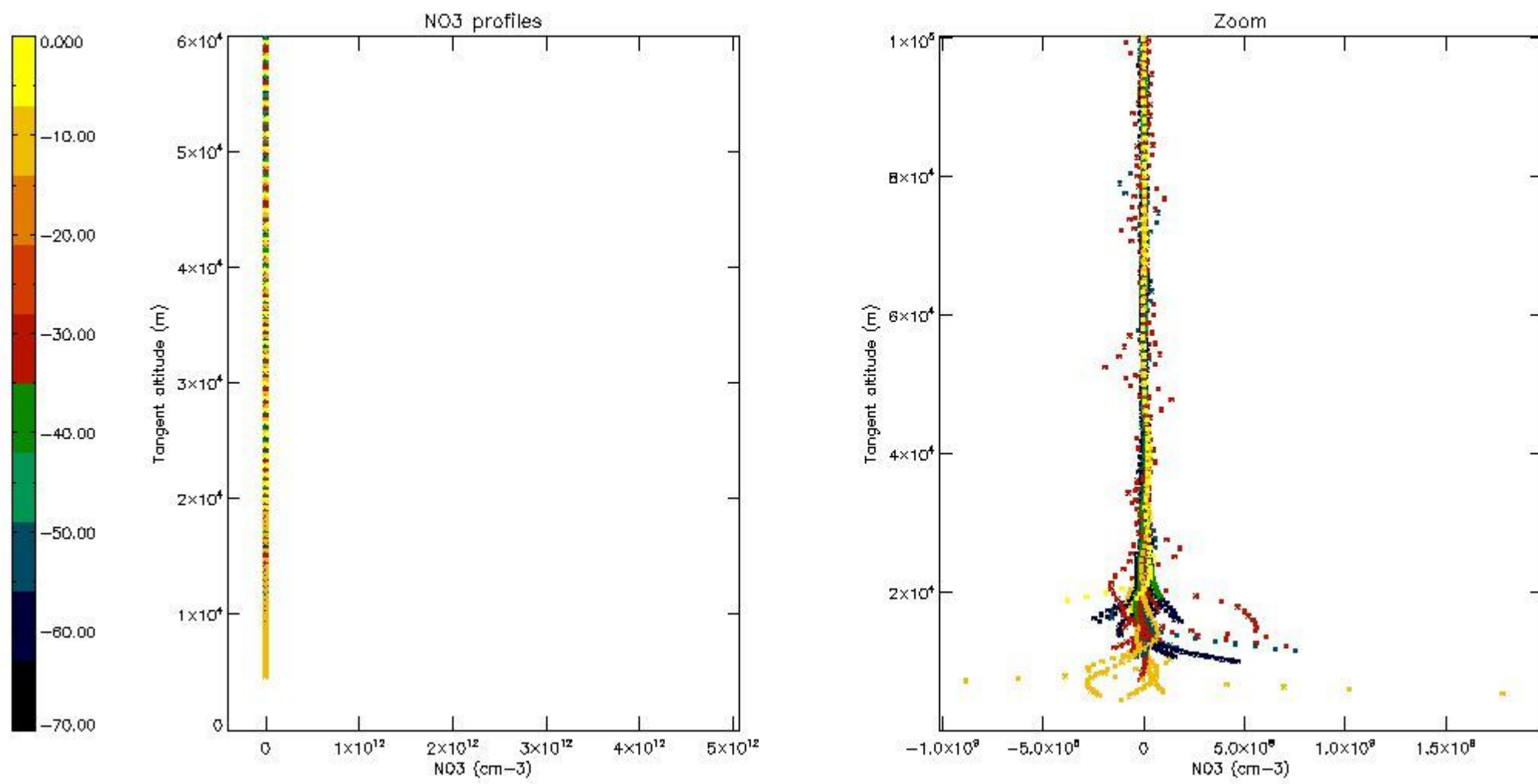
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



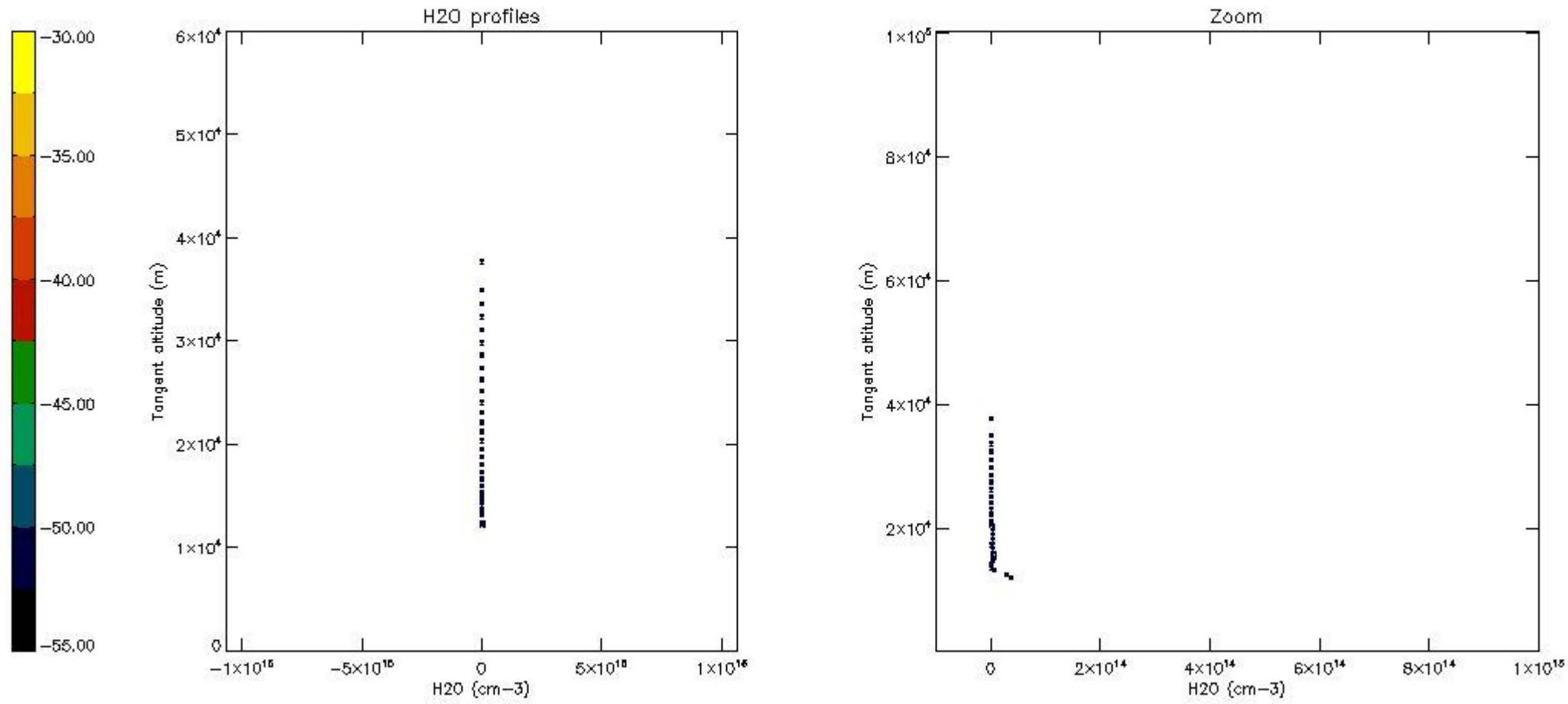
5.7 Plot NO3 profiles for all STD (dark without errors)

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)

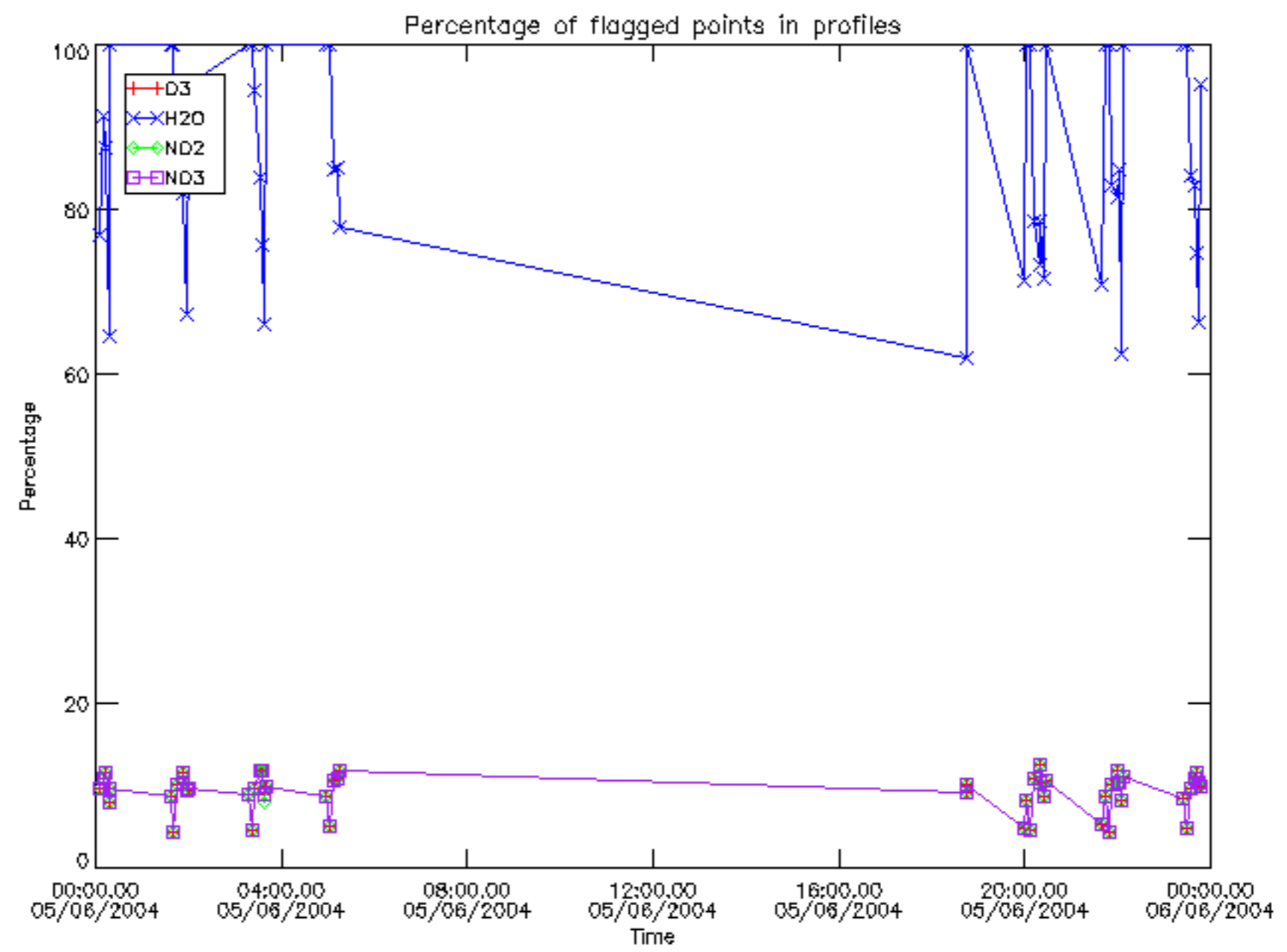
The colorbar represents the latitude.



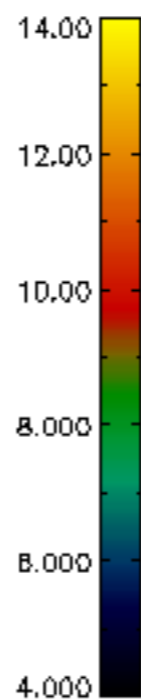
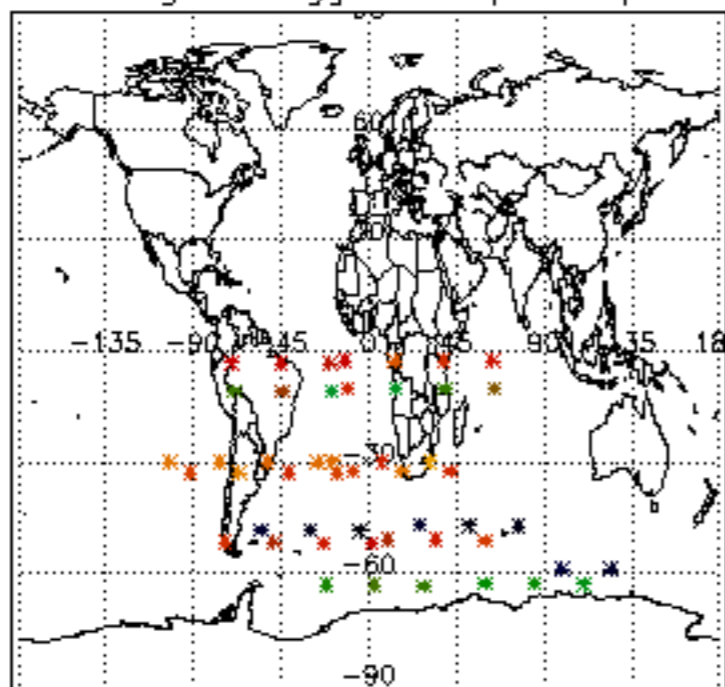
6. Auxiliary Data Files used for the production reported in section 2

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.

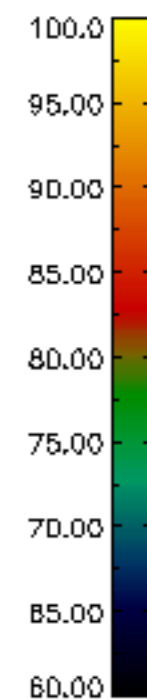
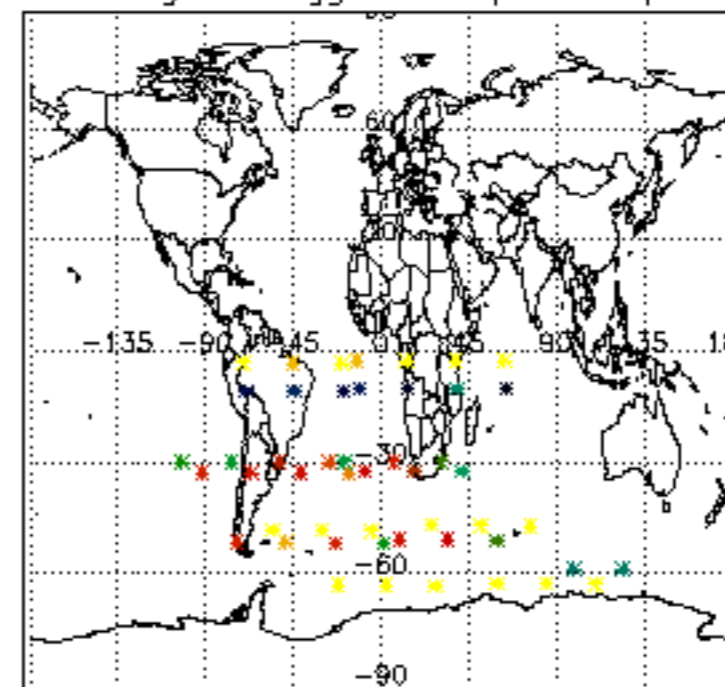
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	05-JUN-2004 00:04:42
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	05-JUN-2004 00:04:42
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	05-JUN-2004 00:04:42



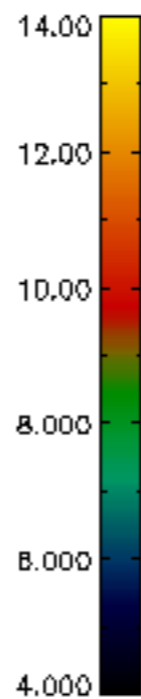
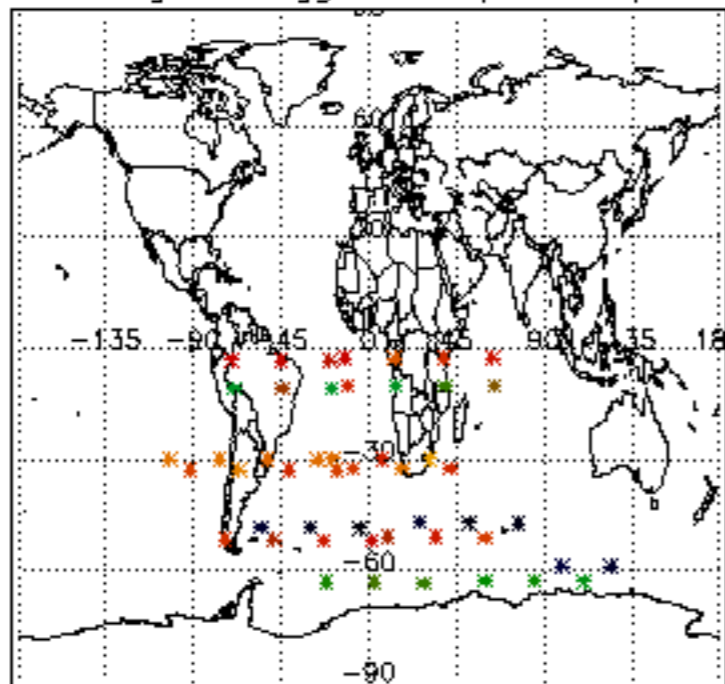
Percentage of flagged data per D3 profile



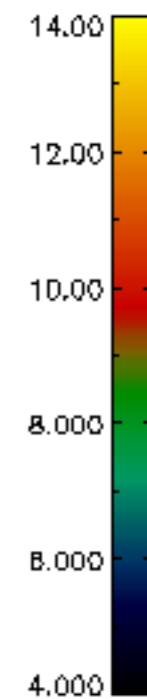
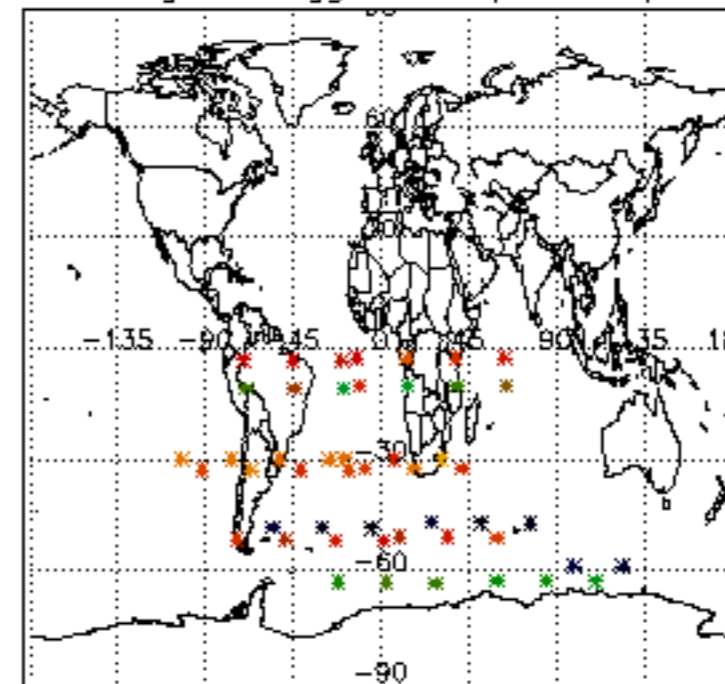
Percentage of flagged data per H2O profile

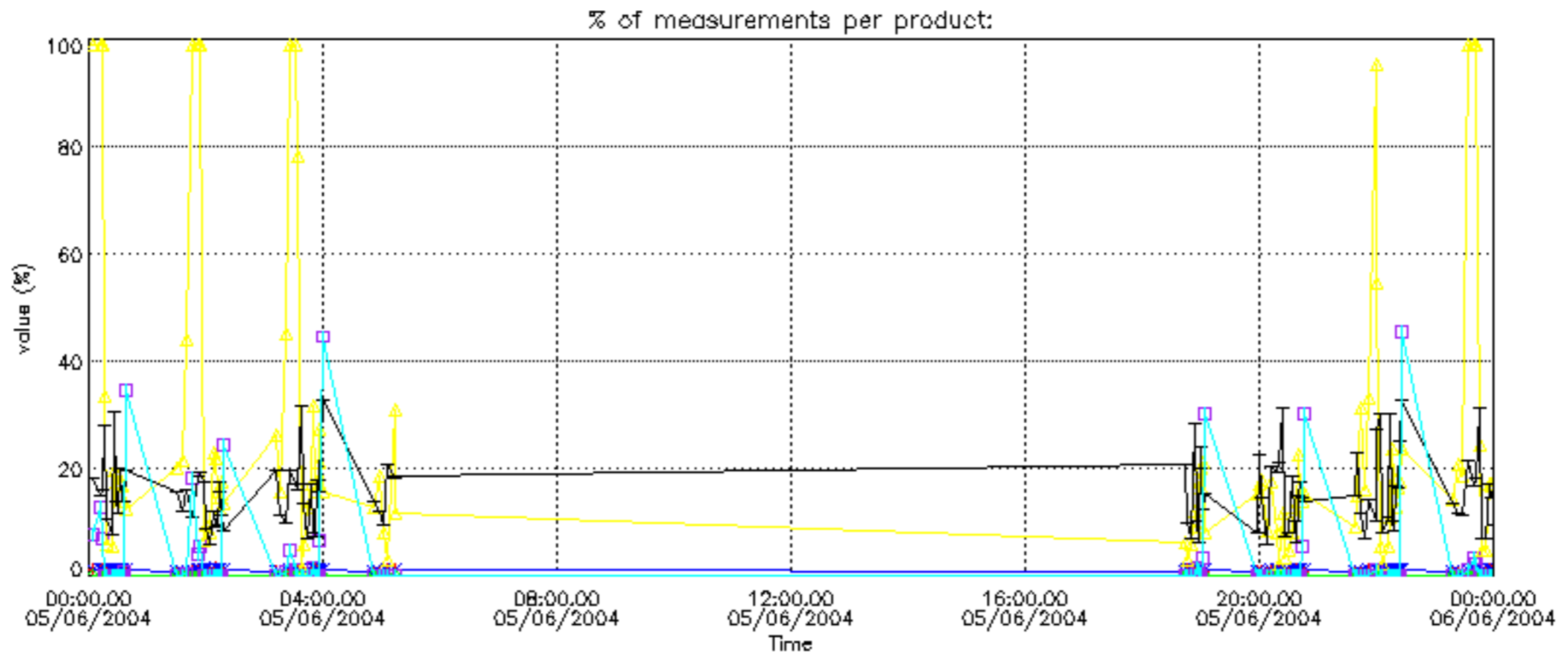


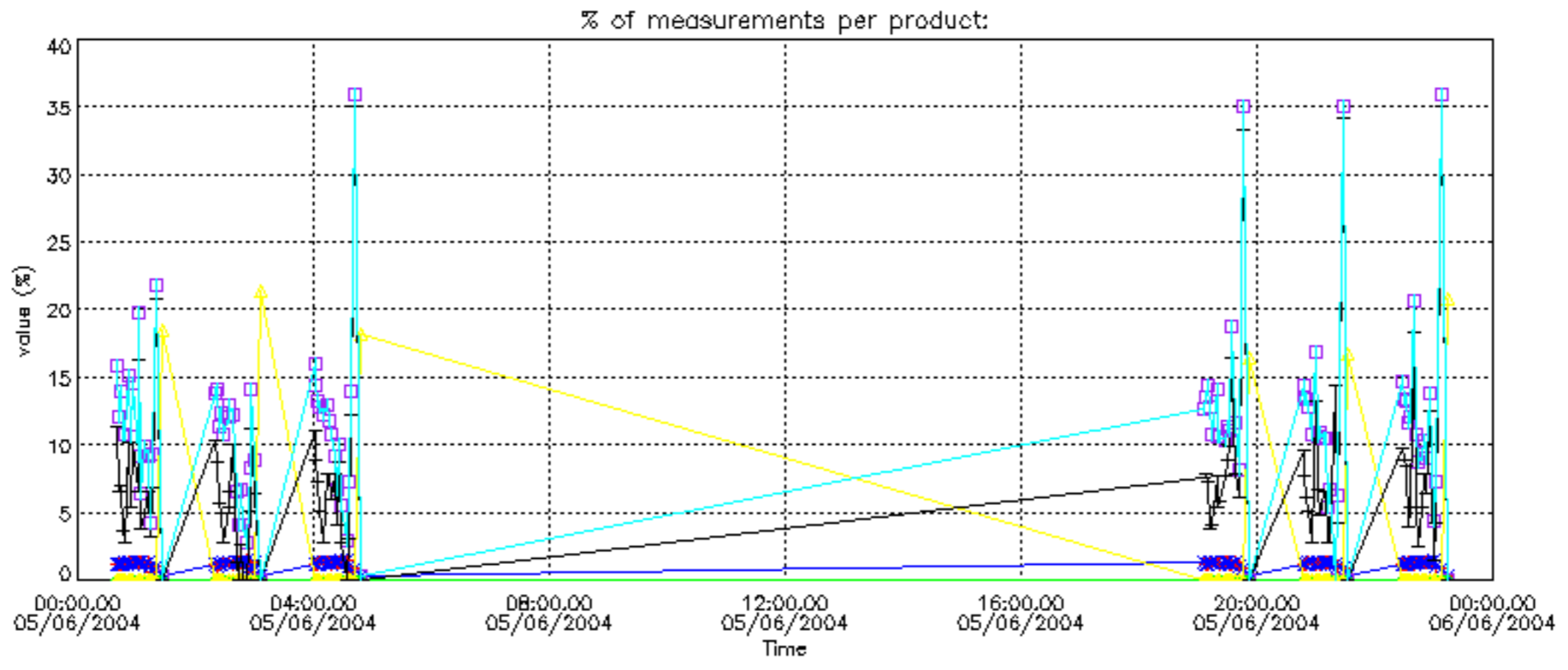
Percentage of flagged data per NO2 profile



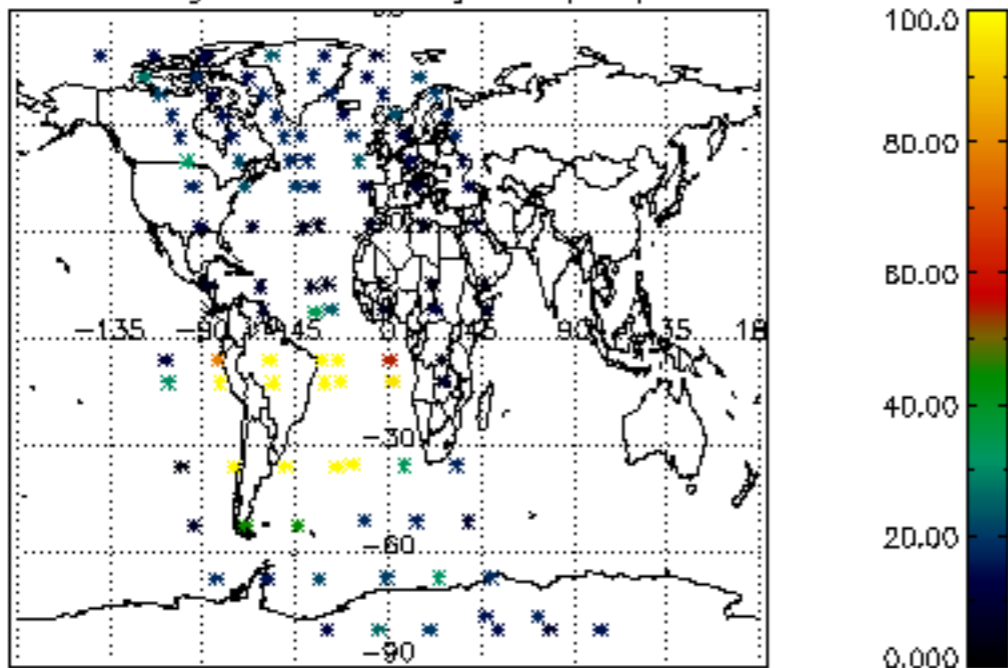
Percentage of flagged data per NO3 profile



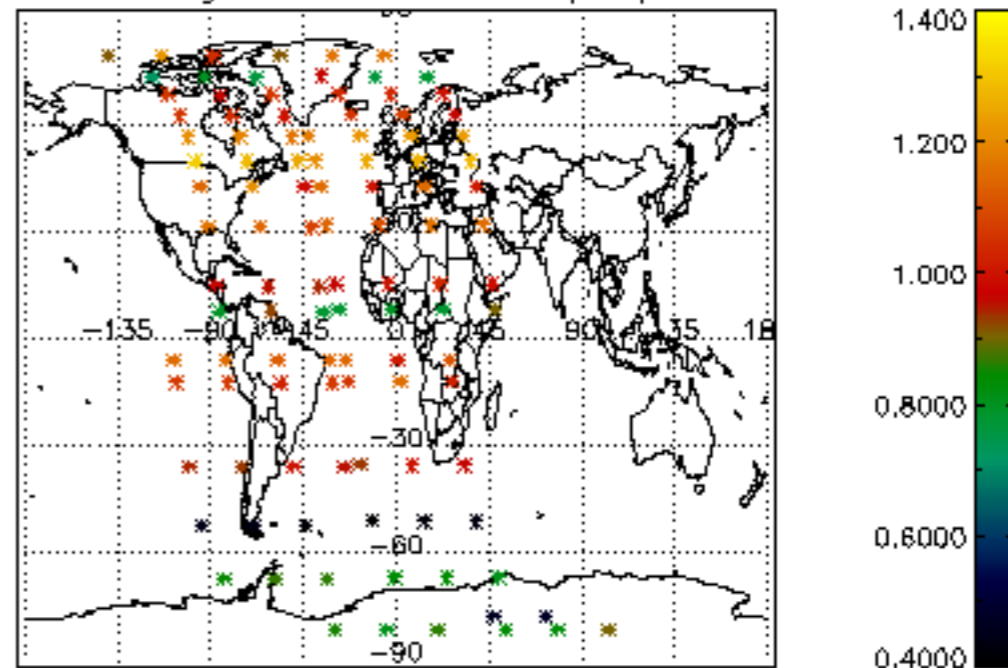




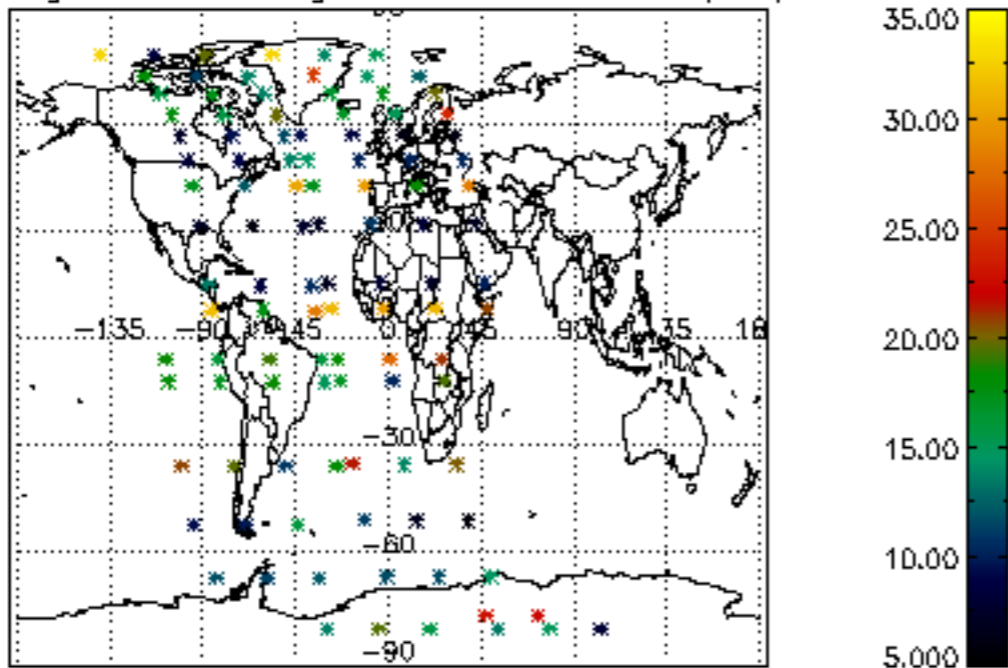
Percentage of cosmic ray hits per profile



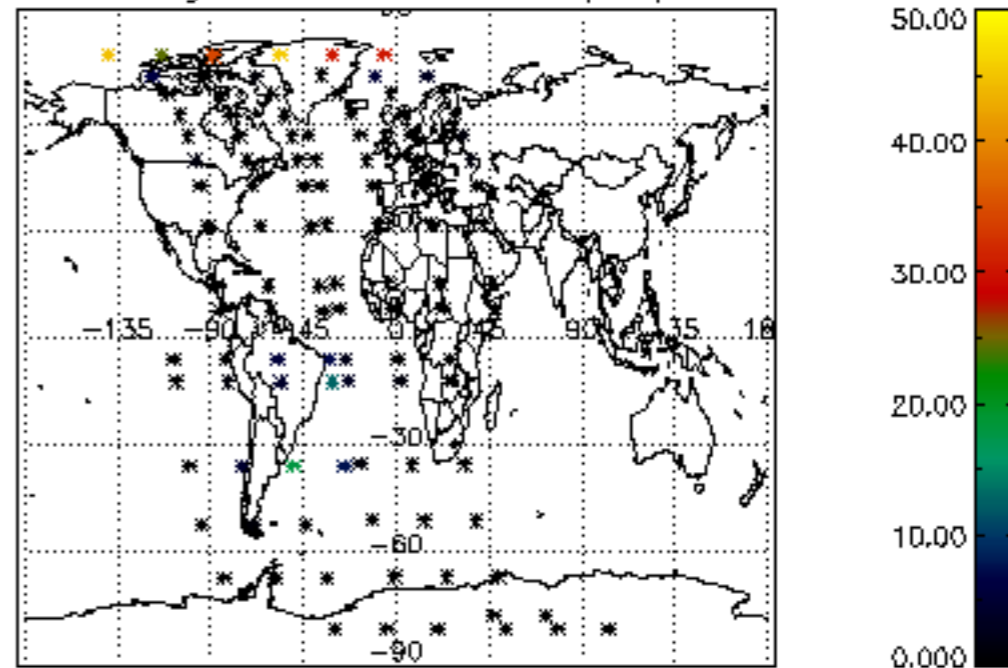
Percentage of datation errors per profile



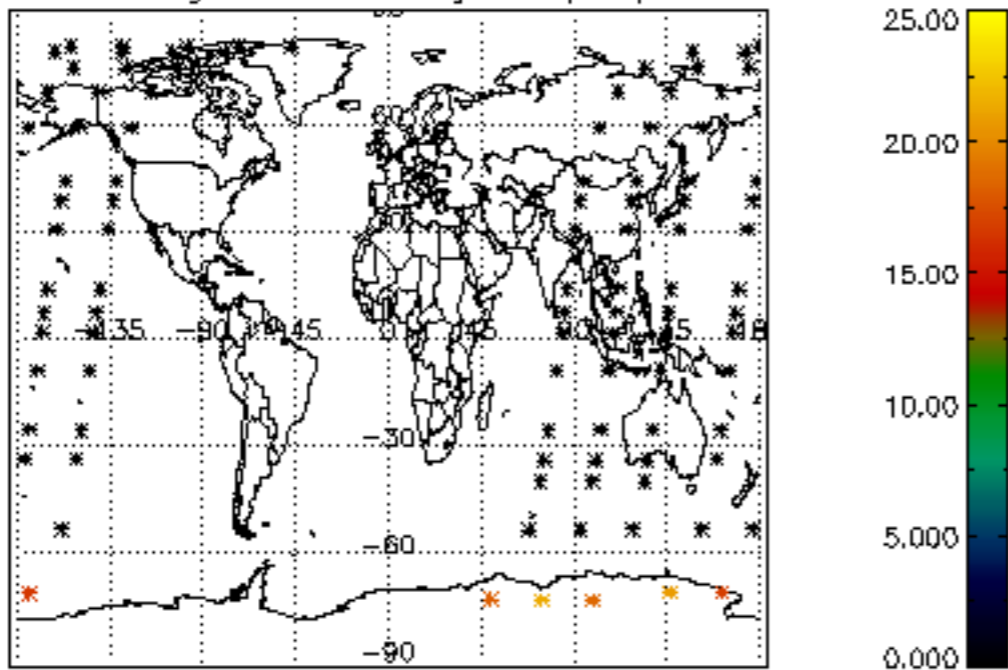
Percentage of star falling outside central band per profile



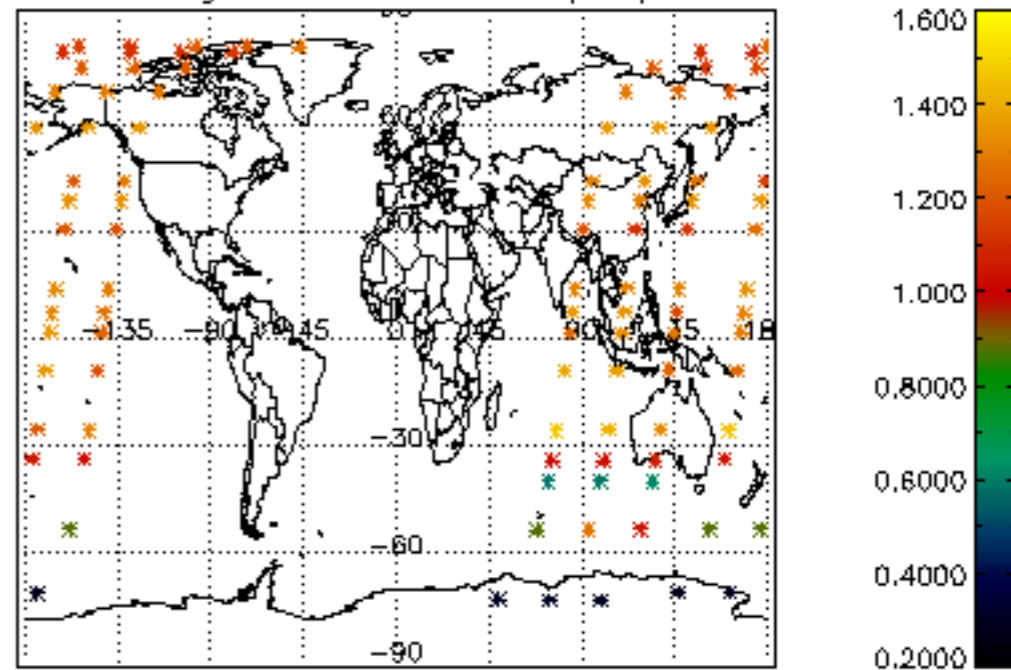
Percentage of saturation errors per profile



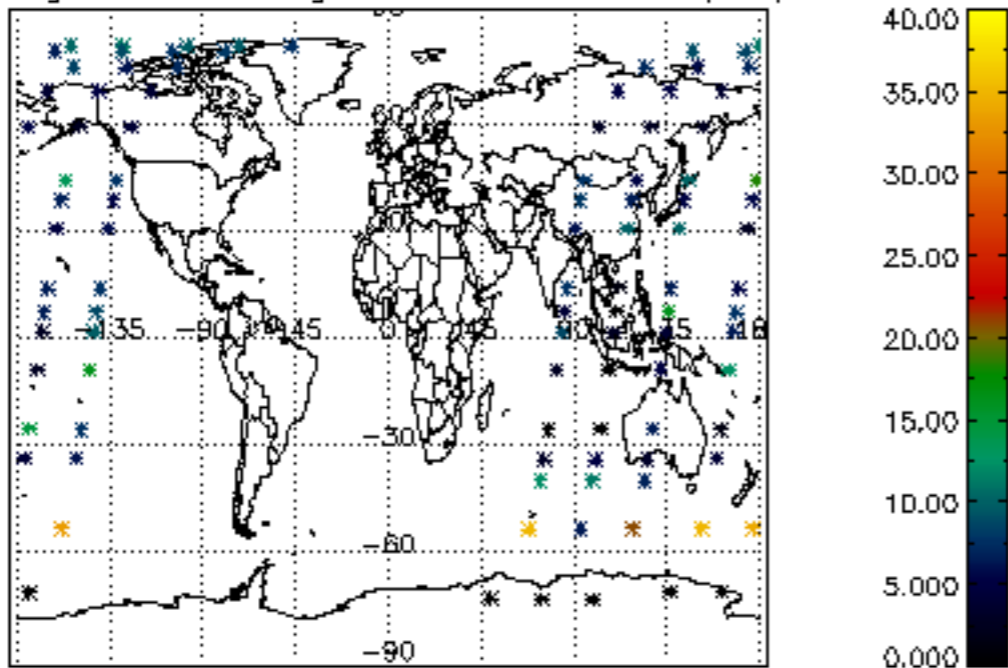
Percentage of cosmic ray hits per profile



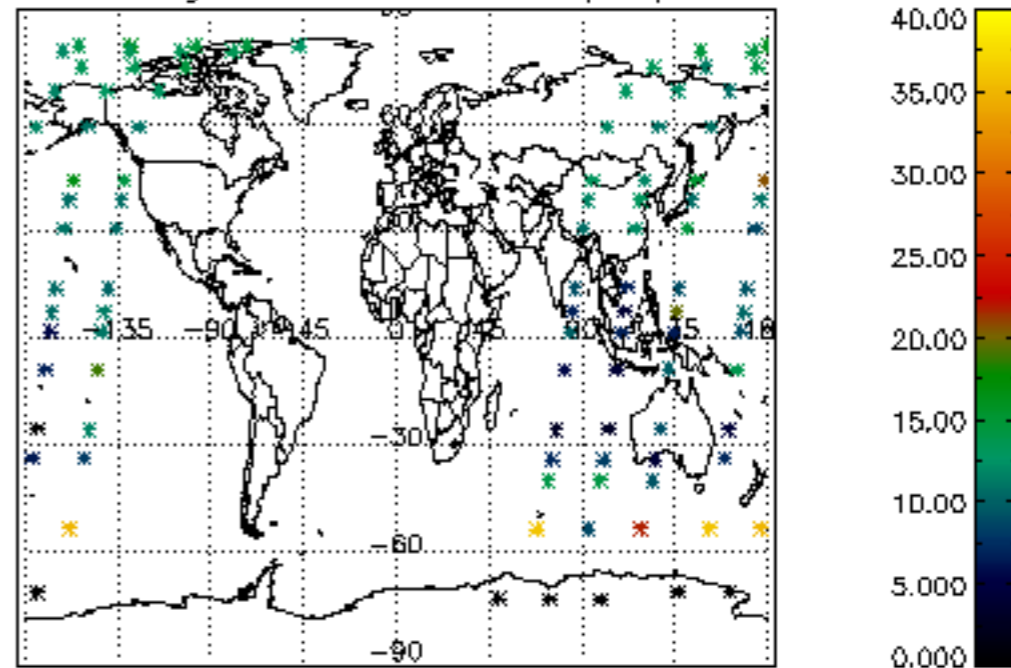
Percentage of datation errors per profile

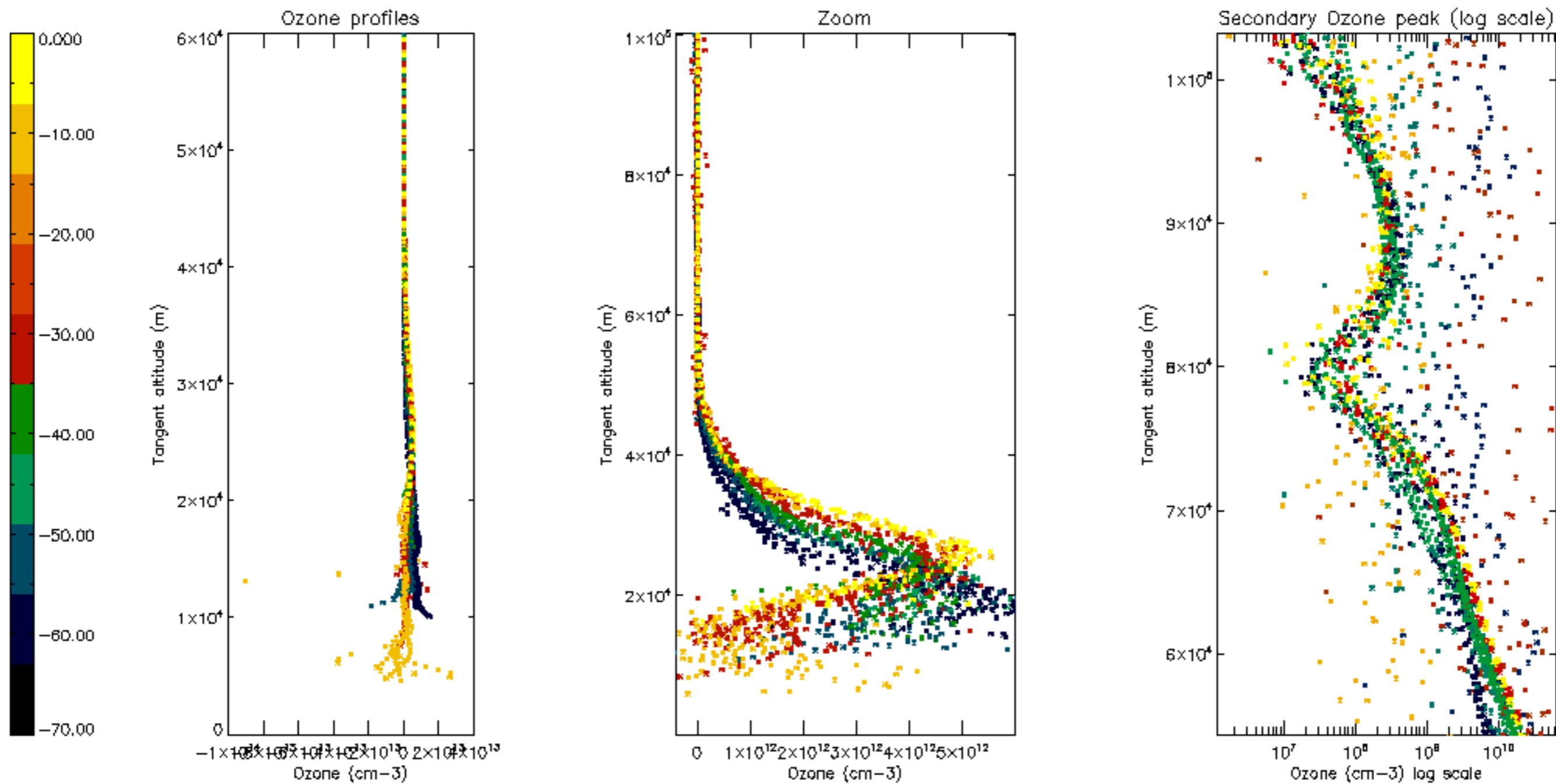


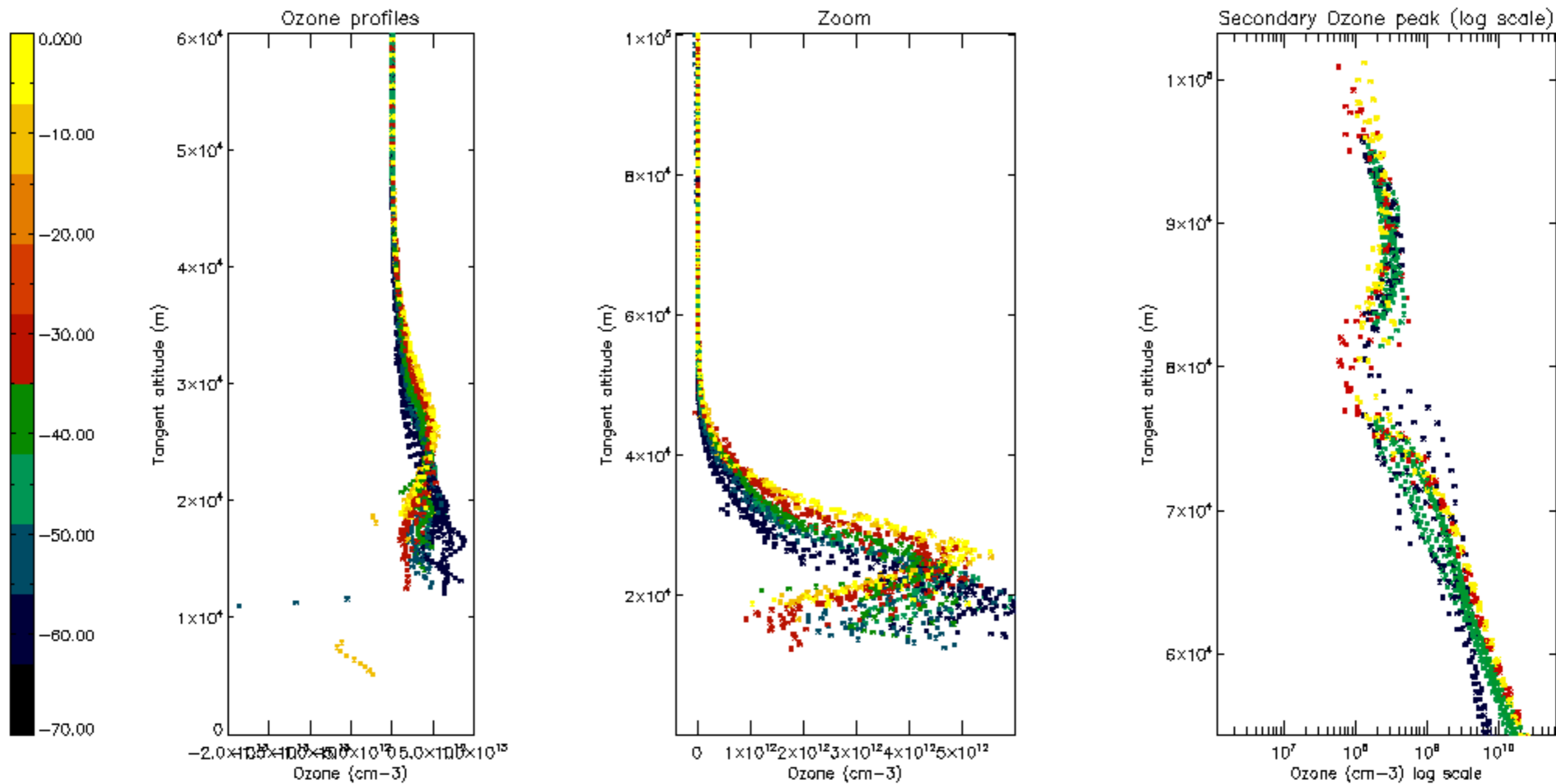
Percentage of star falling outside central band per profile

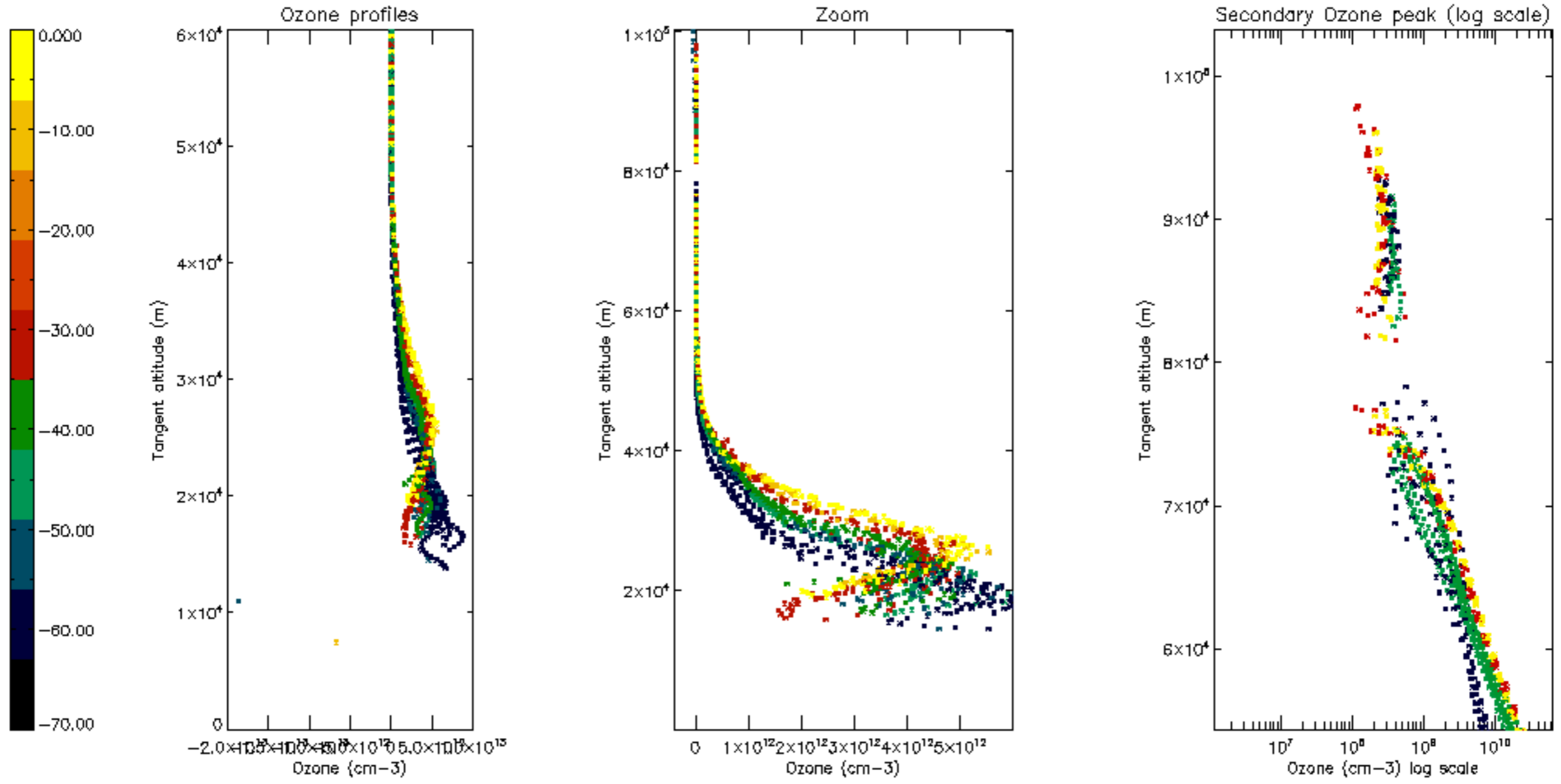


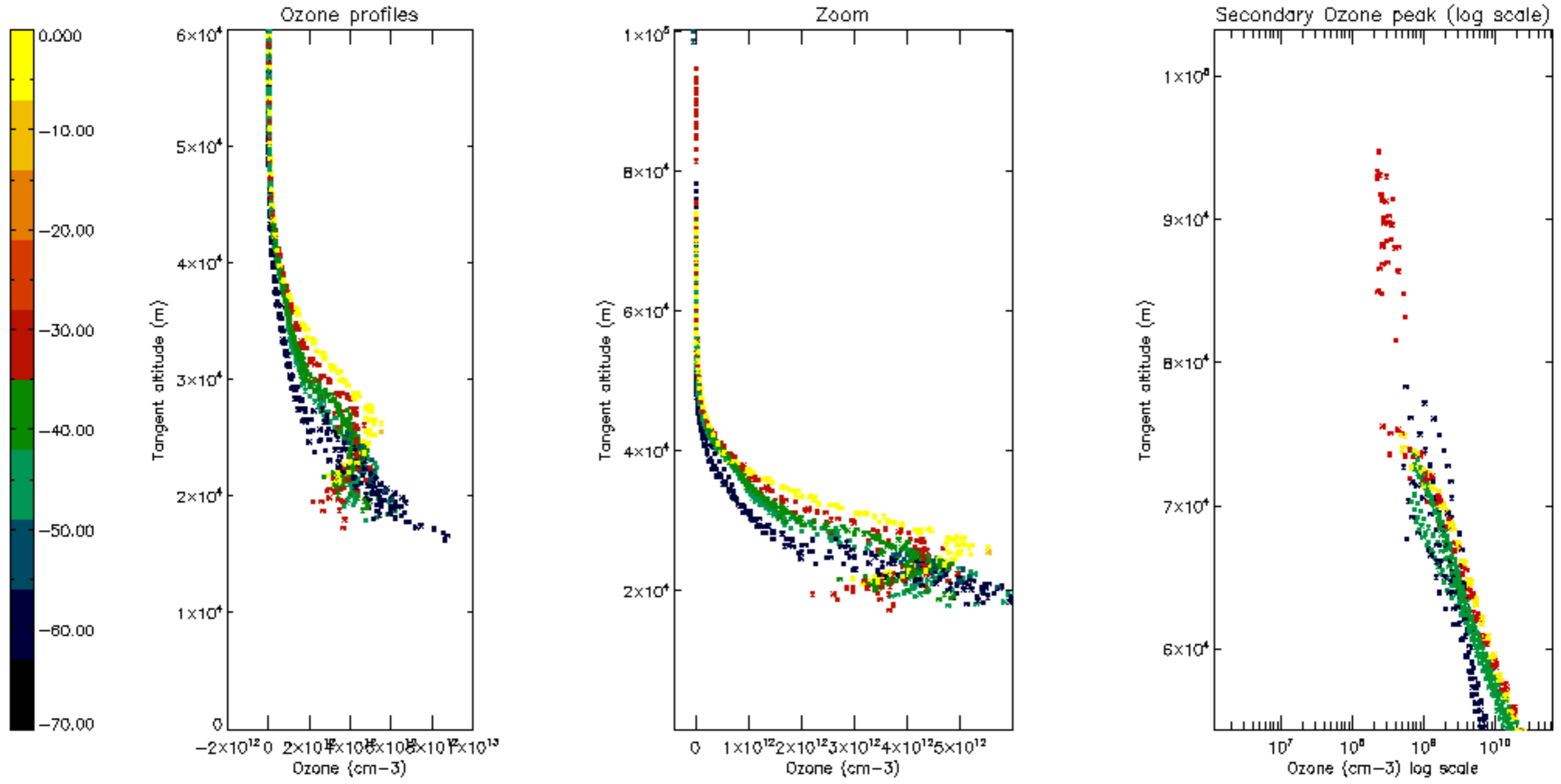
Percentage of saturation errors per profile

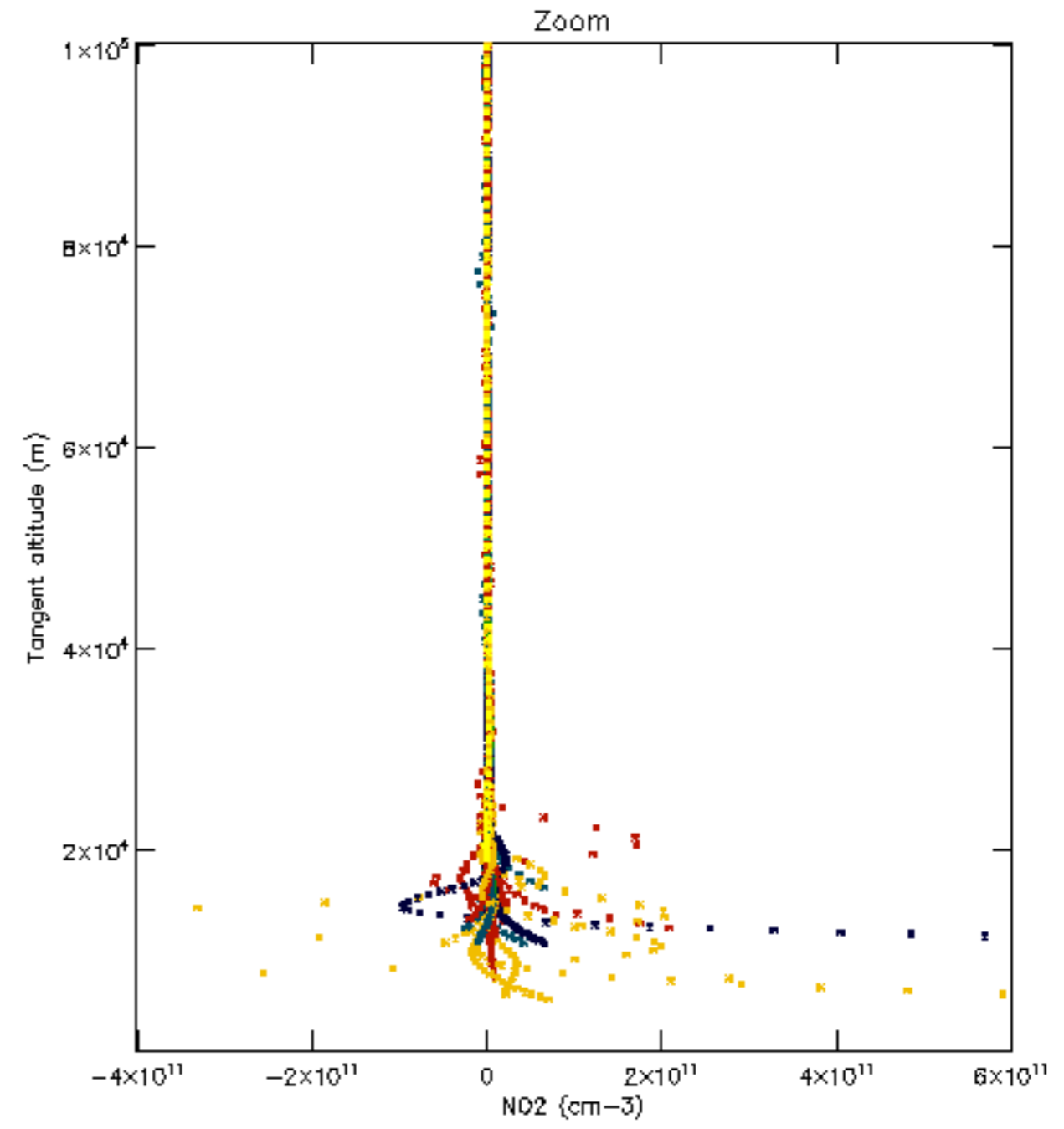
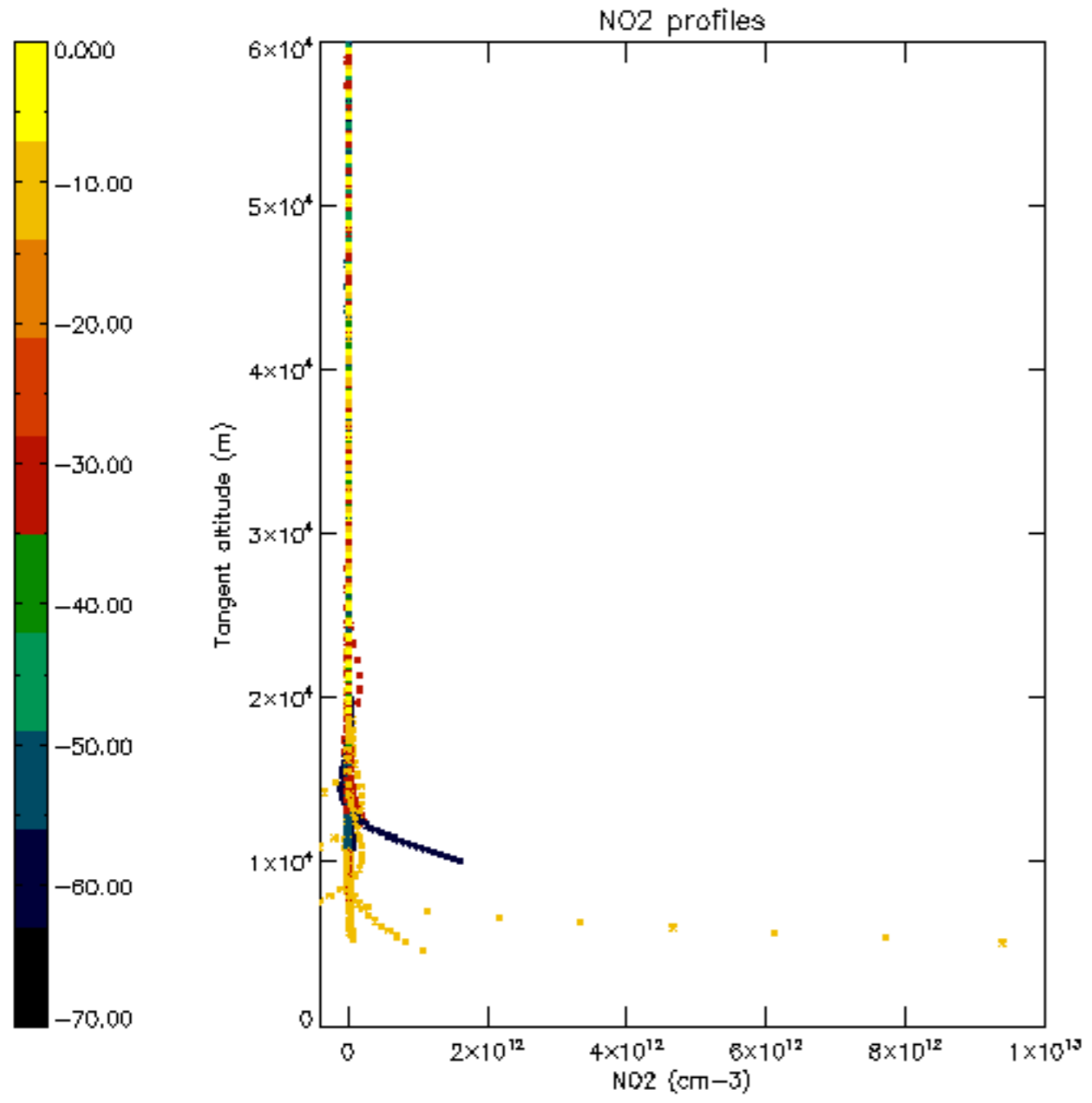


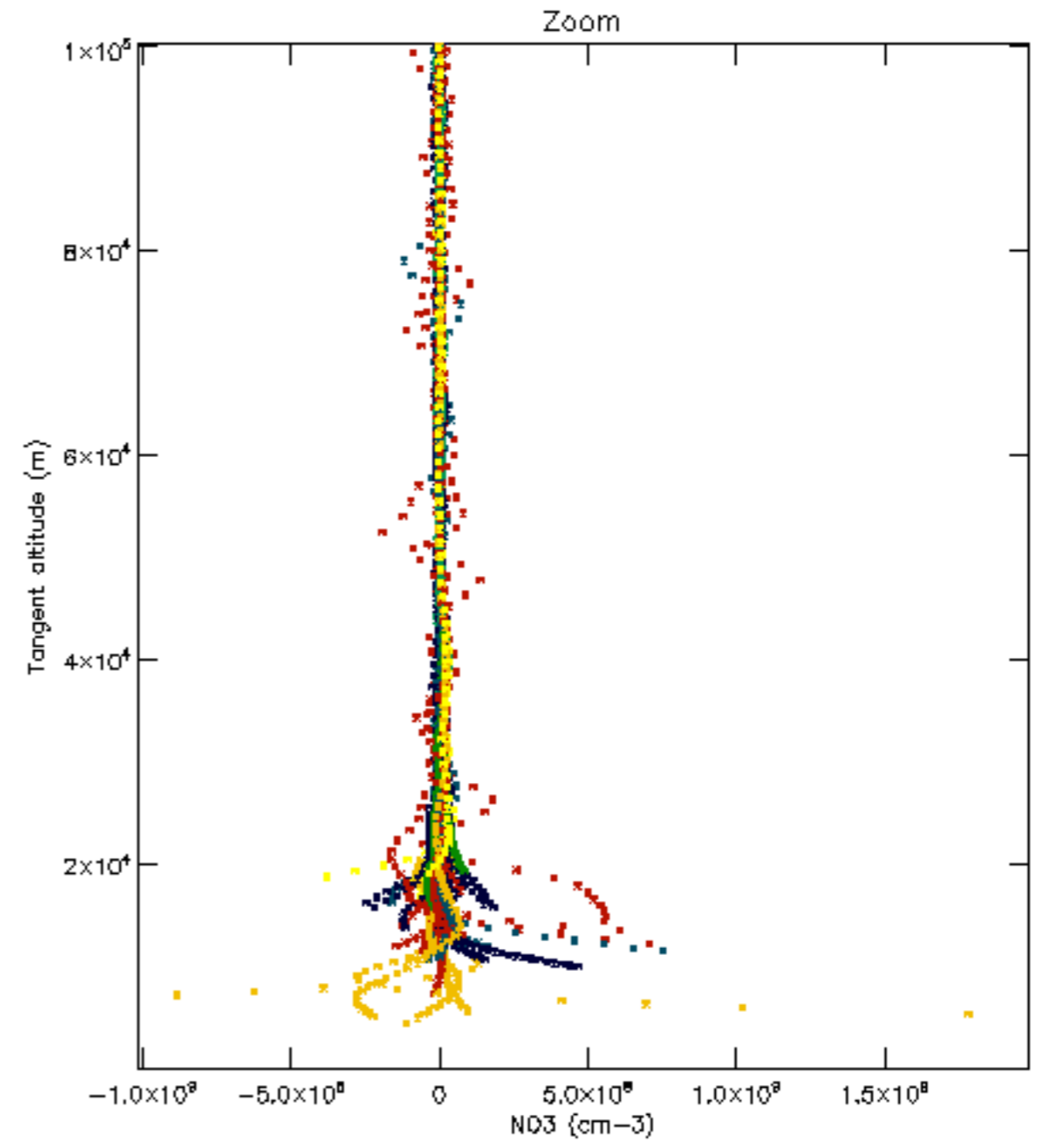
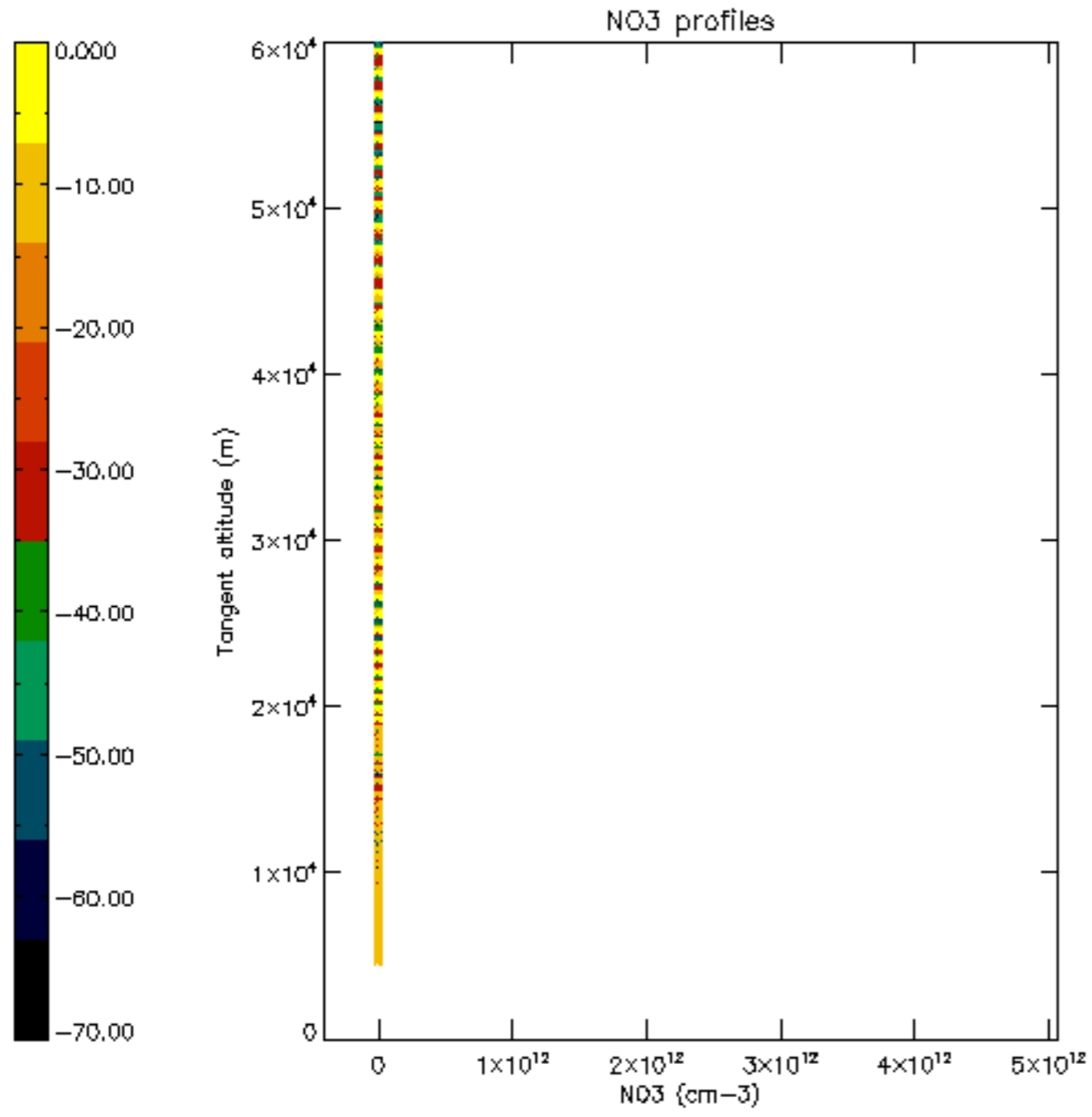


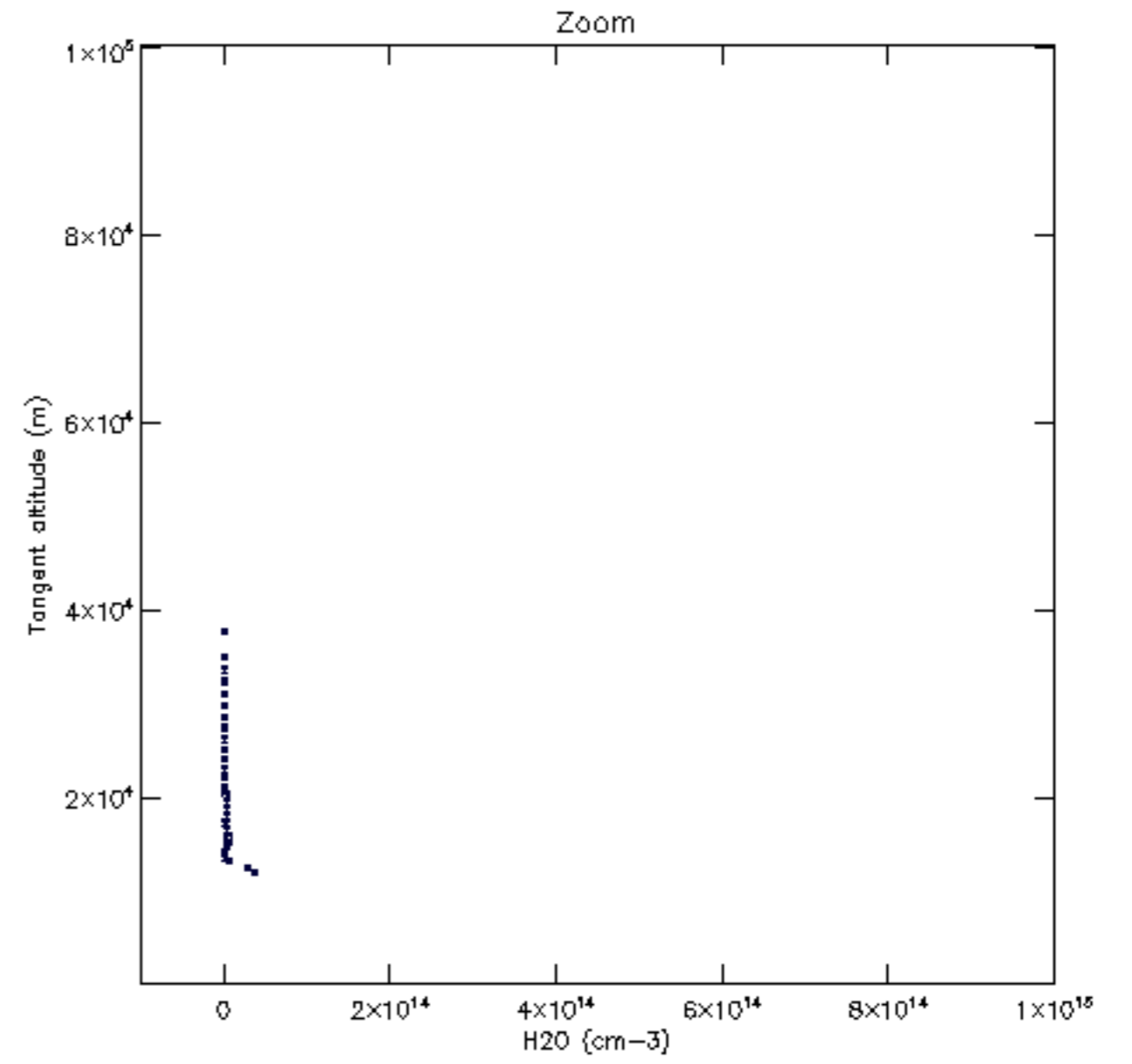
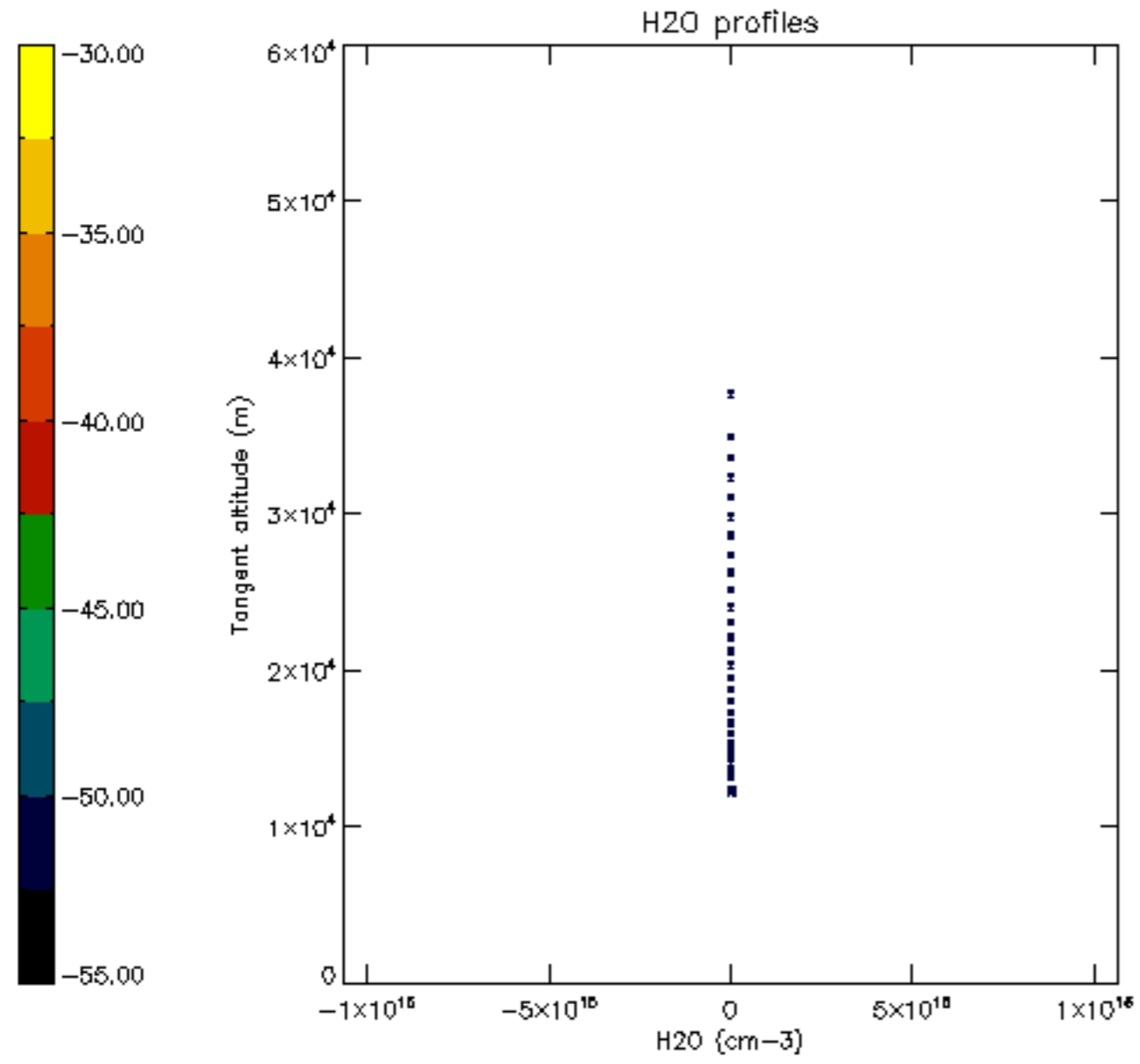


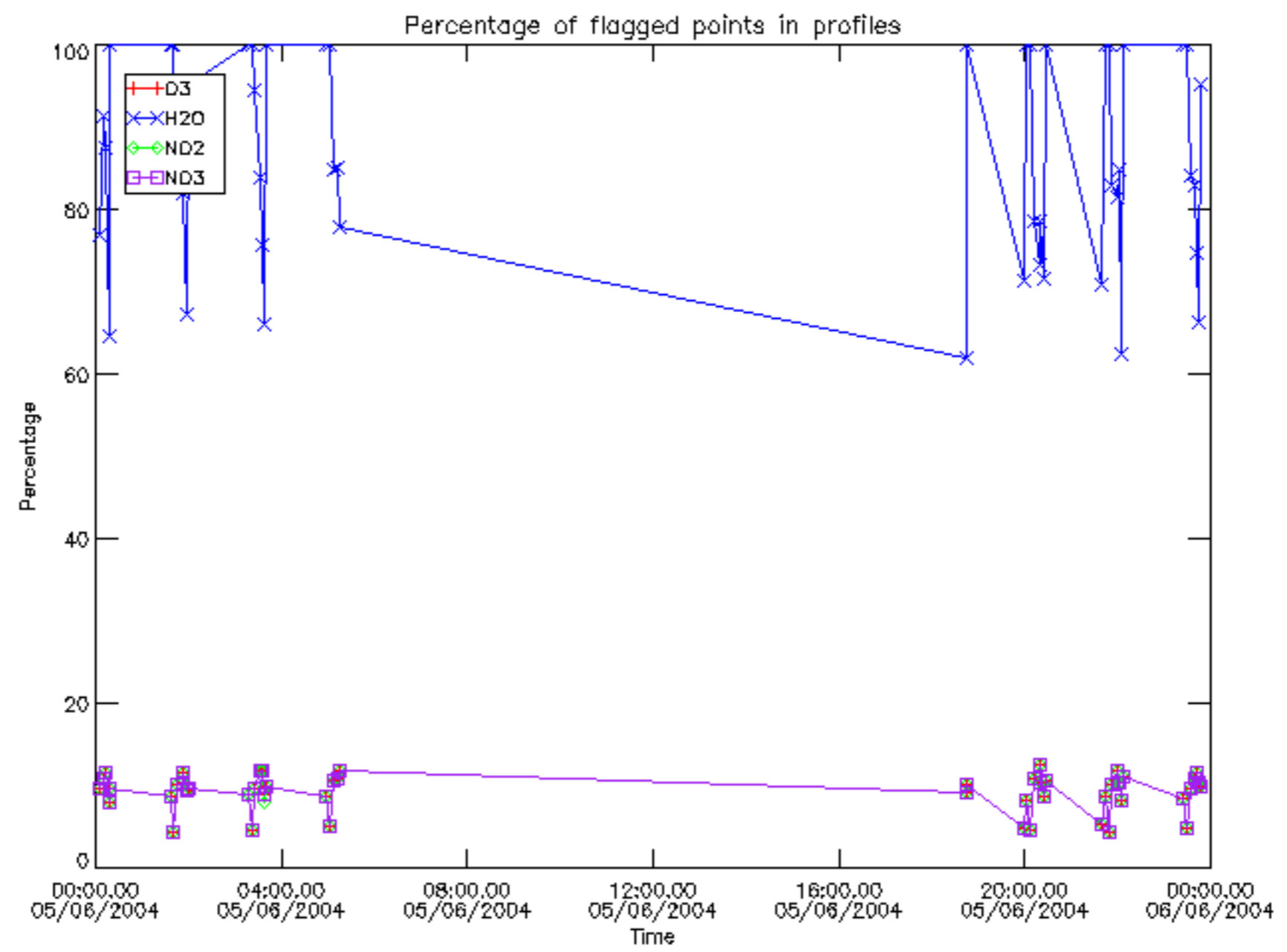




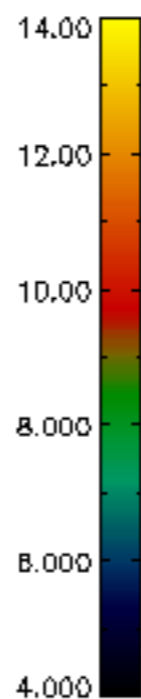
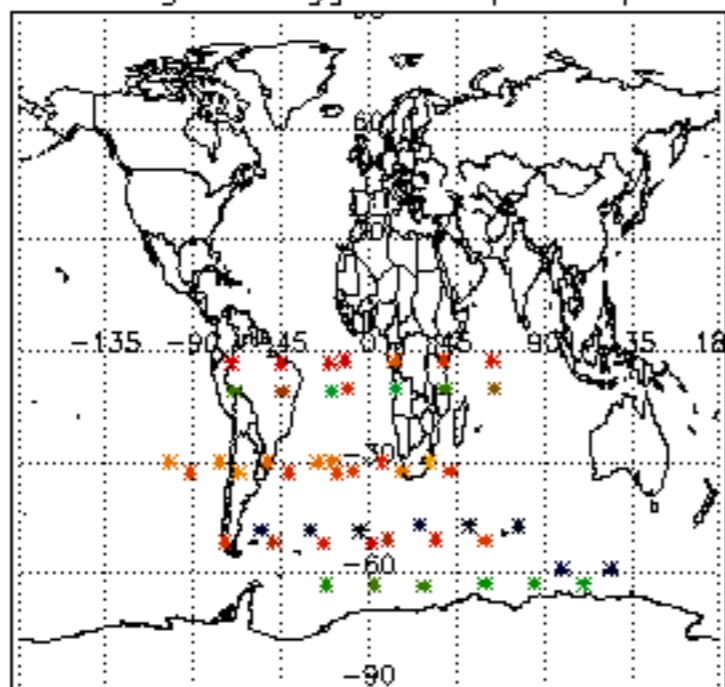




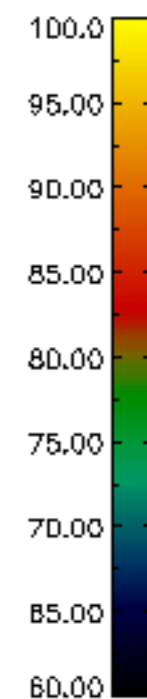
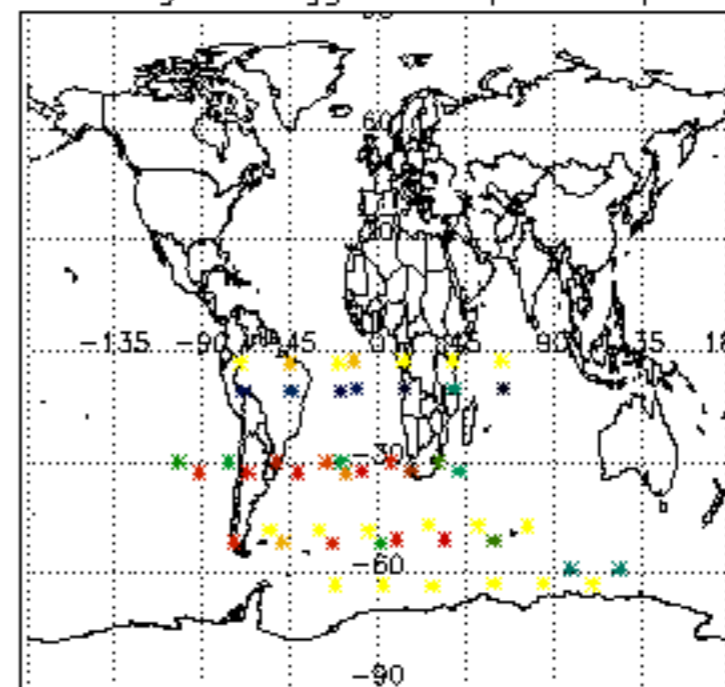




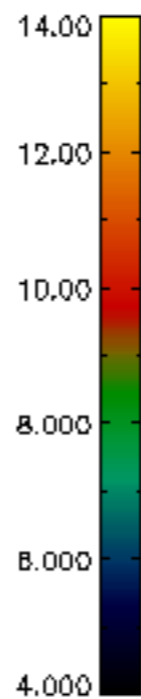
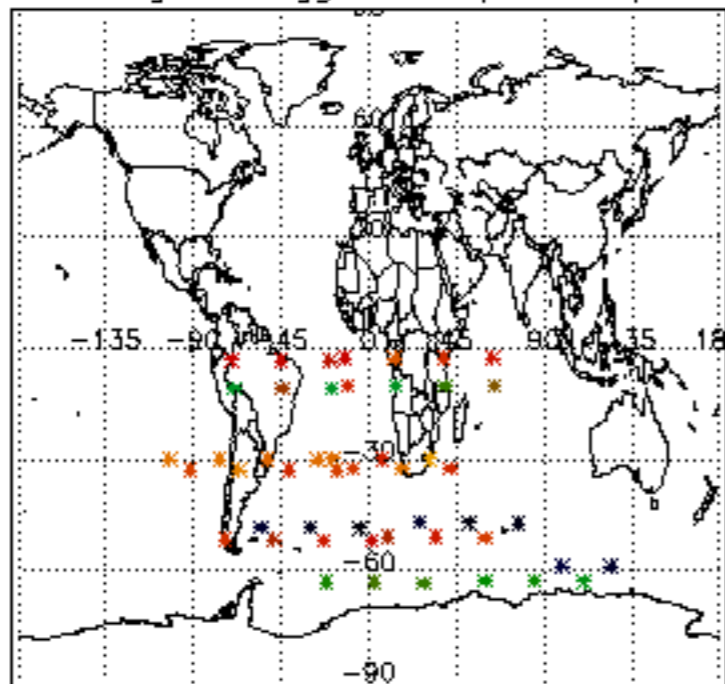
Percentage of flagged data per D3 profile



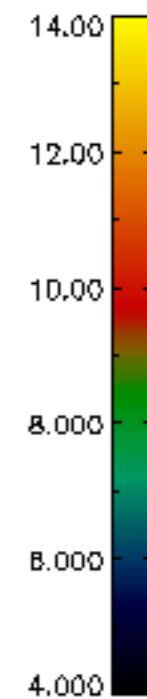
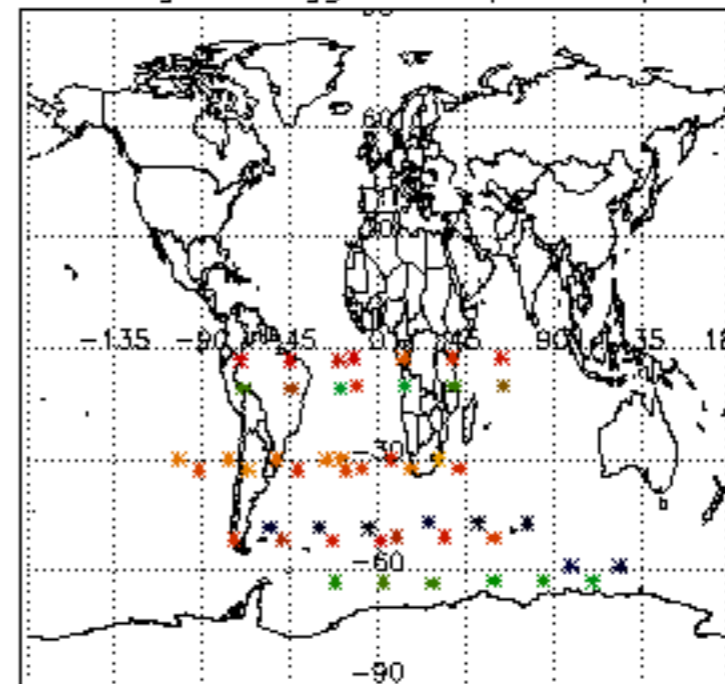
Percentage of flagged data per H2O profile

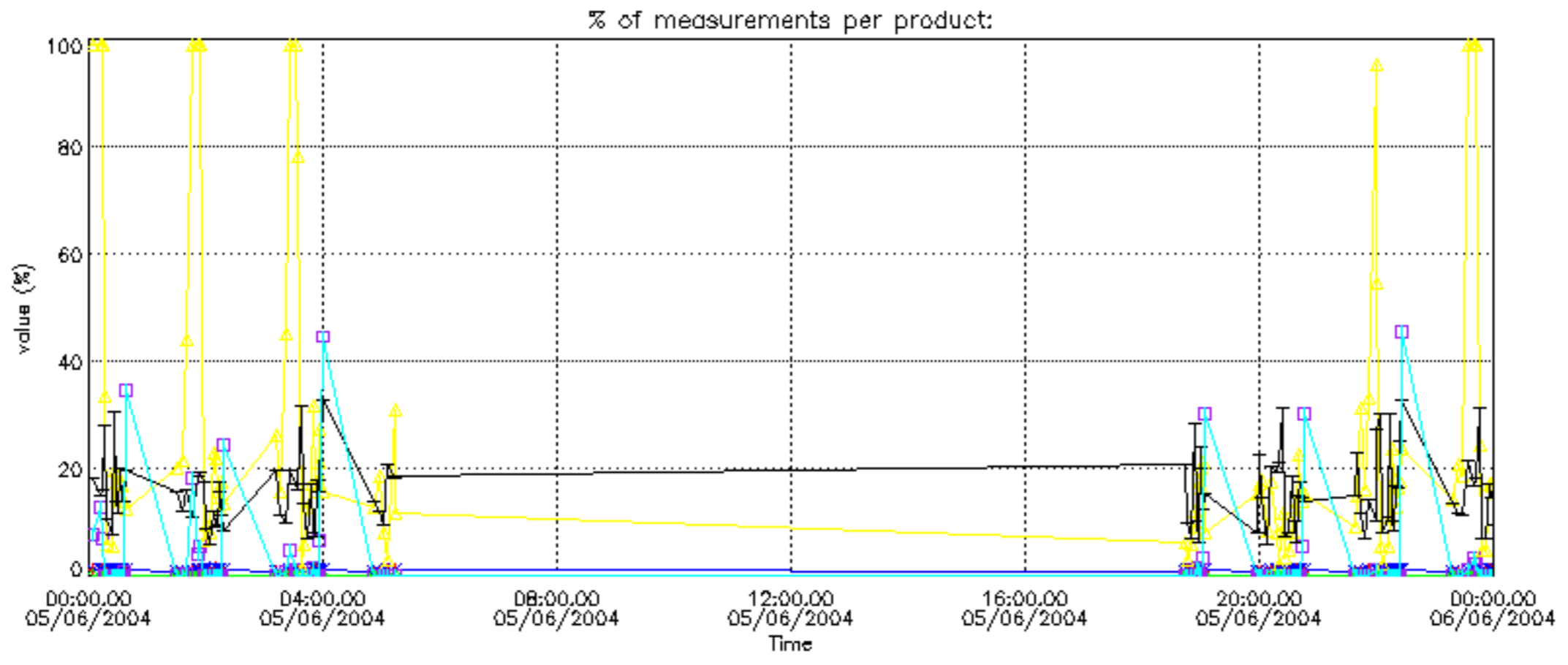


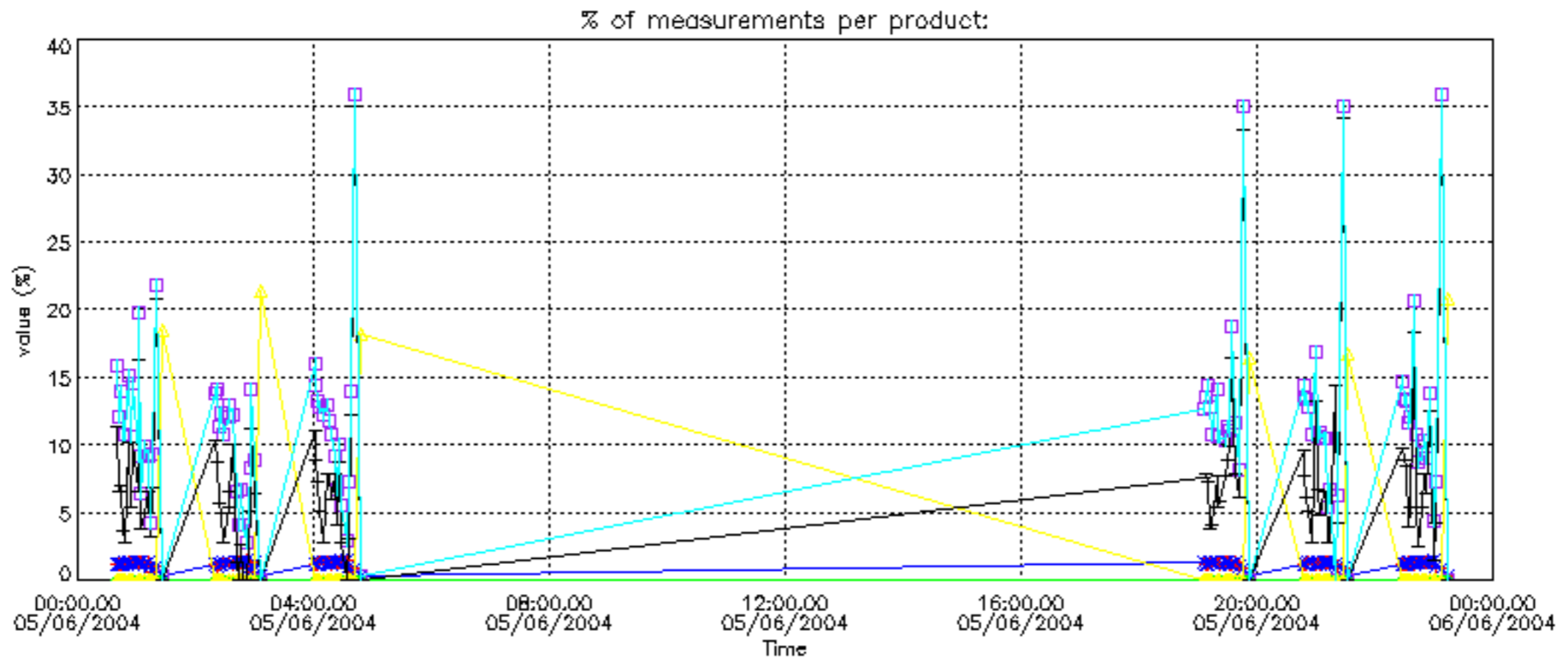
Percentage of flagged data per NO2 profile



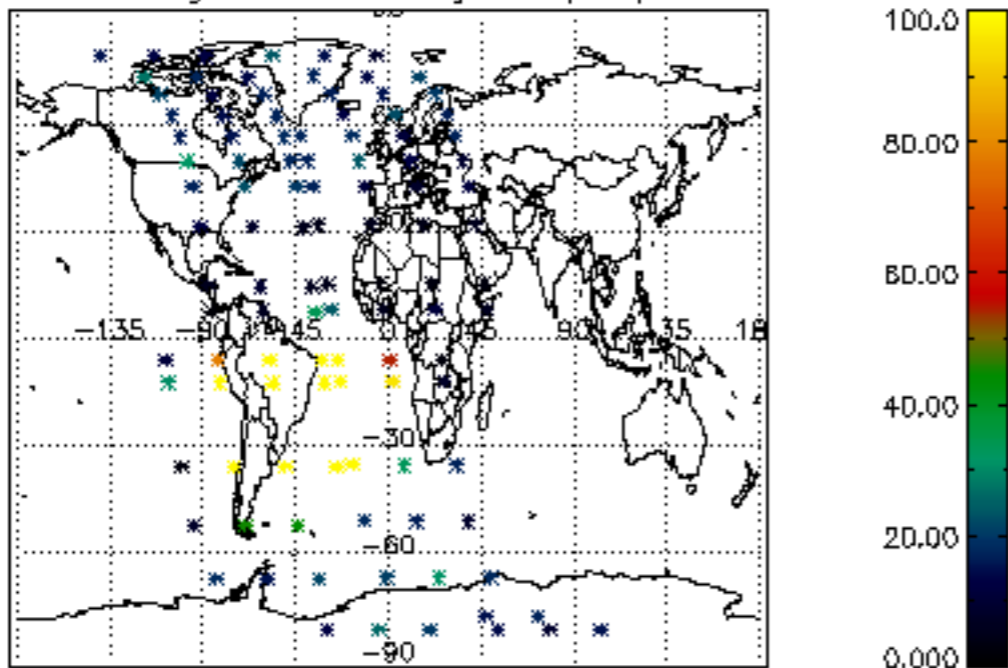
Percentage of flagged data per NO3 profile



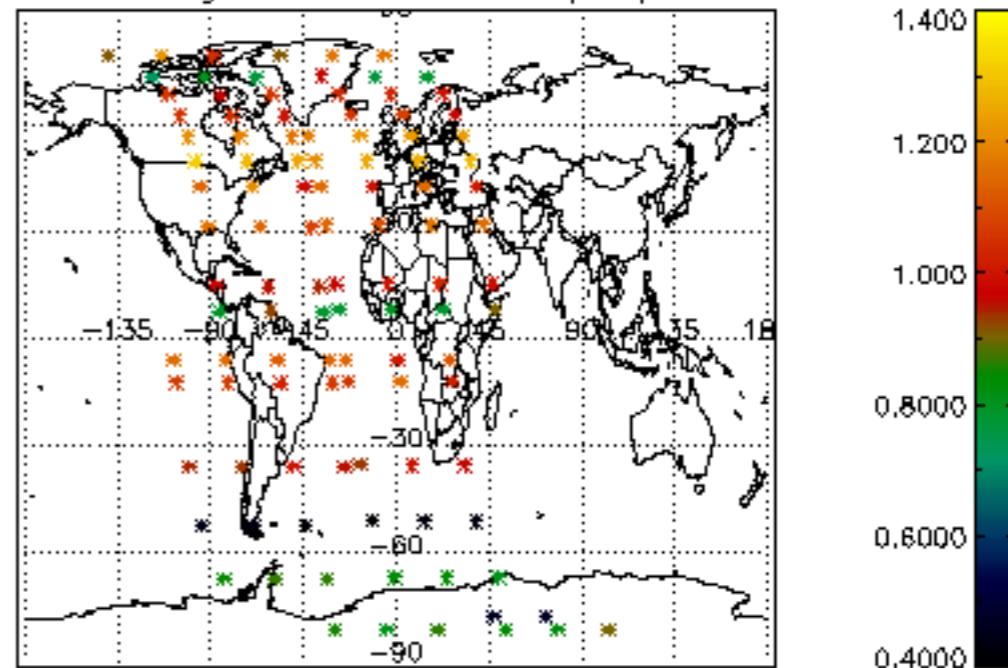




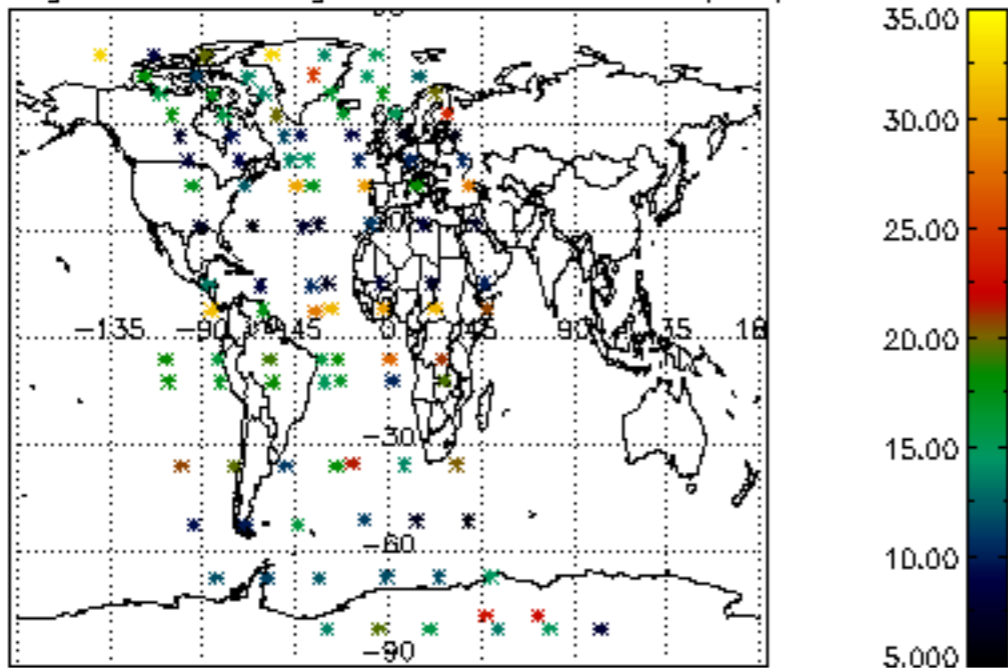
Percentage of cosmic ray hits per profile



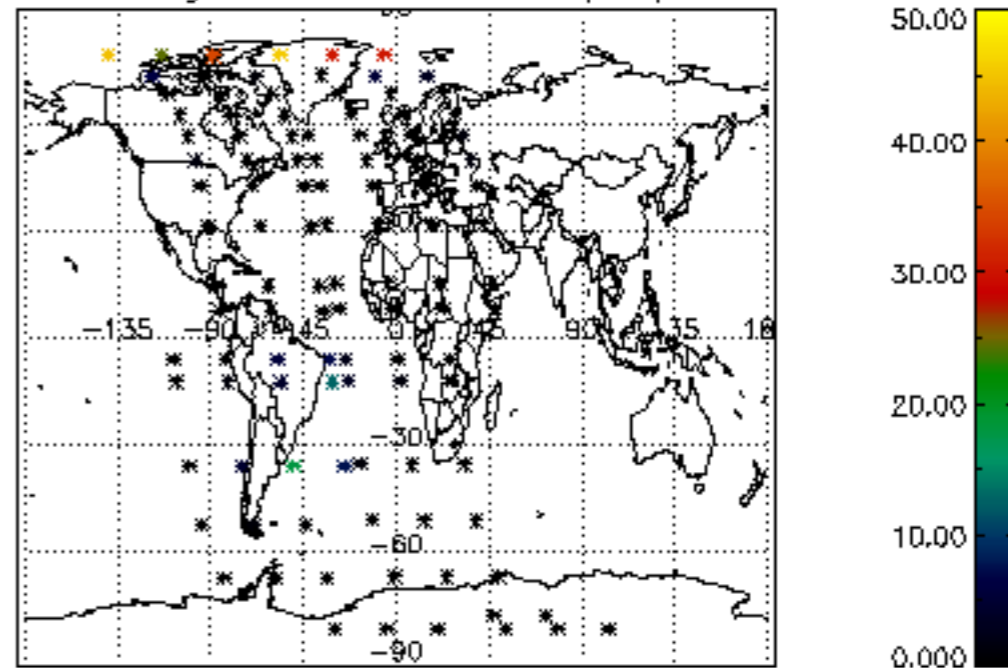
Percentage of datation errors per profile



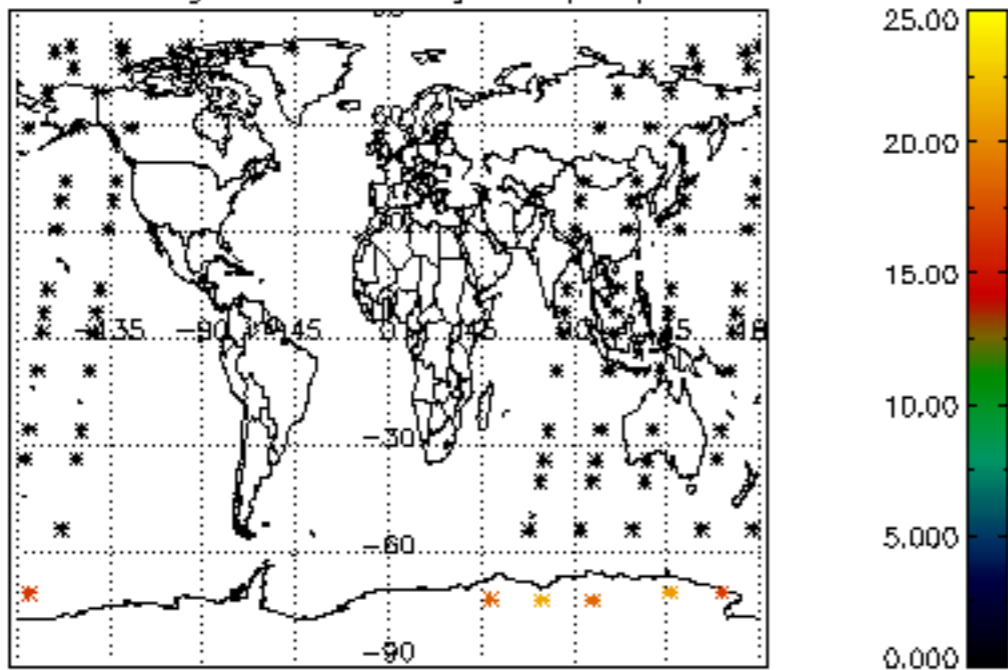
Percentage of star falling outside central band per profile



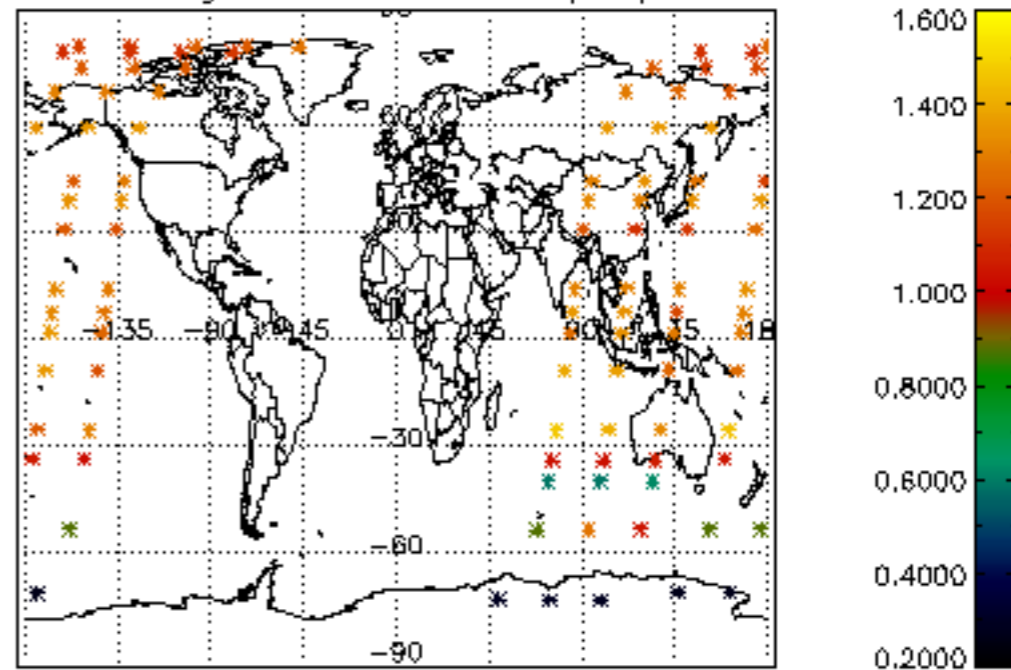
Percentage of saturation errors per profile



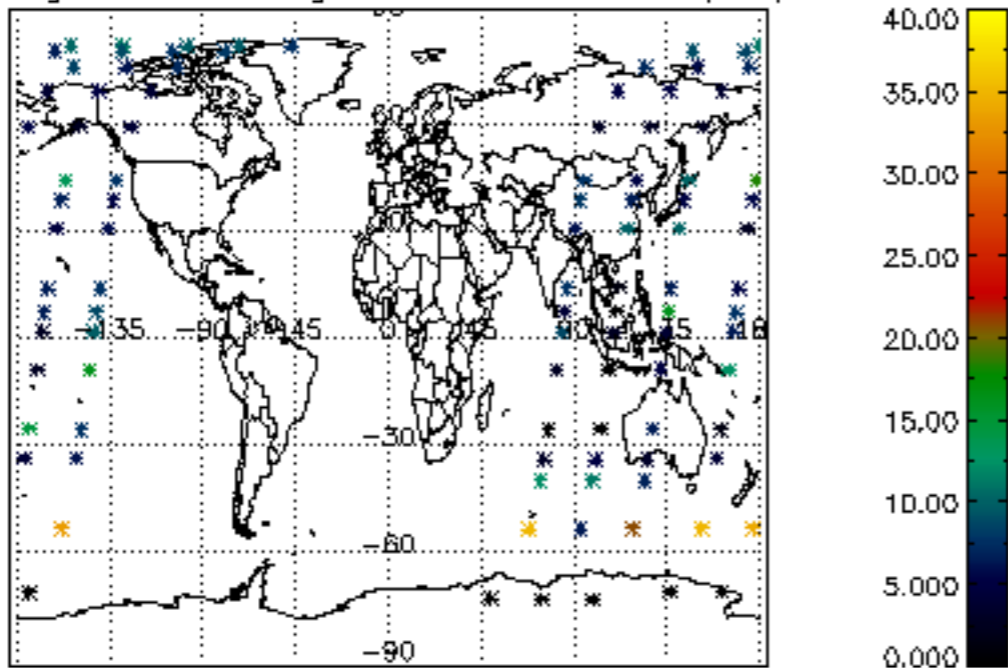
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

