

# 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	24APR2013 17:38:22
Data source version	GOMOS/6.01
Start time of products	08-09-2011 (08SEP2011 00:00:00)
Stop time of products	09-09-2011 (09SEP2011 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	147
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__2PRFIN20110908_000748_000000423106_00217_49800_2188.N1	08-SEP-2011 00:07:48	Bright	42.000	24	66Alp Gem	1.5800	10200.	84	49800	No
2	GOM_NL__2PRFIN20110908_001554_000000483106_00217_49800_2189.N1	08-SEP-2011 00:15:54	Twilight	47.500	8	10Alp CMi	0.40000	6500.0	95	49800	No
3	GOM_NL__2PRFIN20110908_002412_000000563106_00217_49800_2190.N1	08-SEP-2011 00:24:12	Dark	55.500	1	9Alp CMa	-1.4400	11000.	111	49800	No
4	GOM_NL__2PRFIN20110908_003159_000000493106_00217_49800_2191.N1	08-SEP-2011 00:31:59	Dark	48.500	108	Alp Col	2.6520	15200.	97	49800	No
5	GOM_NL__2PRFIN20110908_004337_000000423106_00218_49801_2193.N1	08-SEP-2011 00:43:37	Dark	41.500	143	Alp Hyi	2.8570	7200.0	83	49801	No
6	GOM_NL__2PRFIN20110908_005050_000000503106_00218_49801_2194.N1	08-SEP-2011 00:50:50	Straylight	50.000	84	Alp Phe	2.3970	4500.0	100	49801	No
7	GOM_NL__2PRFIN20110908_011438_000000403106_00218_49801_2195.N1	08-SEP-2011 01:14:38	Bright	39.500	164	44Eta Peg	2.9480	5400.0	79	49801	No
8	GOM_NL__2PRFIN20110908_014802_000000403106_00218_49801_2196.N1	08-SEP-2011 01:48:02	Bright	40.000	24	66Alp Gem	1.5800	10200.	80	49801	No
9	GOM_NL__2PRFIN20110908_015608_000000483106_00218_49801_2197.N1	08-SEP-2011 01:56:08	Twilight	48.000	8	10Alp CMi	0.40000	6500.0	96	49801	No
10	GOM_NL__2PRFIN20110908_020427_000000553106_00218_49801_2198.N1	08-SEP-2011 02:04:27	Dark	55.000	1	9Alp CMa	-1.4400	11000.	110	49801	No
11	GOM_NL__2PRFIN20110908_020658_000000483106_00218_49801_2199.N1	08-SEP-2011 02:06:58	Dark	47.500	23	21Eps CMa	1.5020	26000.	95	49801	No
12	GOM_NL__2PRFIN20110908_021214_000000513106_00218_49801_2200.N1	08-SEP-2011 02:12:14	Dark	51.000	108	Alp Col	2.6520	15200.	102	49801	No
13	GOM_NL__2PRFIN20110908_022352_000000403106_00219_49802_2345.N1	08-SEP-2011 02:23:52	Dark	40.000	143	Alp Hyi	2.8570	7200.0	80	49802	No
14	GOM_NL__2PRFIN20110908_022514_000000453106_00219_49802_2346.N1	08-SEP-2011 02:25:14	Dark	45.000	9	Alp Eri	0.45300	24000.	90	49802	No
15	GOM_NL__2PRFIN20110908_023105_000000493106_00219_49802_2347.N1	08-SEP-2011 02:31:05	Straylight	48.500	84	Alp Phe	2.3970	4500.0	97	49802	No
16	GOM_NL__2PRFIN20110908_023639_000000473106_00219_49802_2348.N1	08-SEP-2011 02:36:39	Straylight	47.000	18	24Alp PsA	1.1660	9700.0	94	49802	No
17	GOM_NL__2PRFIN20110908_024535_000000383106_00219_49802_2349.N1	08-SEP-2011 02:45:35	Bright	38.000	162	34Alp Aqr	2.9440	5350.0	76	49802	No
18	GOM_NL__2PRFIN20110908_034441_000000563106_00219_49802_2350.N1	08-SEP-2011 03:44:41	Dark	55.500	1	9Alp CMa	-1.4400	11000.	111	49802	No
19	GOM_NL__2PRFIN20110908_034916_000000453106_00219_49802_2351.N1	08-SEP-2011 03:49:16	Dark	44.500	177	1Zet CMa	3.0220	26000.	89	49802	No
20	GOM_NL__2PRFIN20110908_035230_000000513106_00219_49802_2352.N1	08-SEP-2011 03:52:30	Dark	50.500	108	Alp Col	2.6520	15200.	101	49802	No
21	GOM_NL__2PRFIN20110908_040407_000000403106_00220_49803_2362.N1	08-SEP-2011 04:04:07	Dark	39.500	143	Alp Hyi	2.8570	7200.0	79	49803	No
22	GOM_NL__2PRFIN20110908_041119_000000463106_00220_49803_2363.N1	08-SEP-2011 04:11:19	Straylight	46.000	84	Alp Phe	2.3970	4500.0	92	49803	No
23	GOM_NL__2PRFIN20110908_052456_000000583106_00220_49803_2364.N1	08-SEP-2011 05:24:56	Dark	58.000	1	9Alp CMa	-1.4400	11000.	116	49803	No
24	GOM_NL__2PRFIN20110908_052727_000000523106_00220_49803_2365.N1	08-SEP-2011 05:27:27	Dark	51.500	23	21Eps CMa	1.5020	26000.	103	49803	No
25	GOM_NL__2PRFIN20110908_052931_000000453106_00220_49803_2366.N1	08-SEP-2011 05:29:31	Dark	44.500	177	1Zet CMa	3.0220	26000.	89	49803	No
26	GOM_NL__2PRFIN20110908_053245_000000513106_00220_49803_2367.N1	08-SEP-2011 05:32:45	Dark	50.500	108	Alp Col	2.6520	15200.	101	49803	No
27	GOM_NL__2PRFIN20110908_054421_000000403106_00221_49804_2365.N1	08-SEP-2011 05:44:21	Dark	39.500	143	Alp Hyi	2.8570	7200.0	79	49804	No
28	GOM_NL__2PRFIN20110908_054543_000000463106_00221_49804_2366.N1	08-SEP-2011 05:45:43	Dark	45.500	9	Alp Eri	0.45300	24000.	91	49804	No
29	GOM_NL__2PRFIN20110908_055134_000000543106_00221_49804_2367.N1	08-SEP-2011 05:51:34	Straylight	53.500	84	Alp Phe	2.3970	4500.0	107	49804	No
30	GOM_NL__2PRFIN20110908_055707_000000473106_00221_49804_2368.N1	08-SEP-2011 05:57:07	Straylight	46.500	18	24Alp PsA	1.1660	9700.0	93	49804	No
31	GOM_NL__2PRFIN20110908_060604_000000383106_00221_49804_2369.N1	08-SEP-2011 06:06:04	Bright	38.000	162	34Alp Aqr	2.9440	5350.0	76	49804	No
32	GOM_NL__2PRFIN20110908_061519_000000393106_00221_49804_2370.N1	08-SEP-2011 06:15:19	Bright	38.500	164	44Eta Peg	2.9480	5400.0	77	49804	No
33	GOM_NL__2PRFIN20110908_070511_000000573106_00221_49804_2371.N1	08-SEP-2011 07:05:11	Dark	56.500	1	9Alp CMa	-1.4400	11000.	113	49804	No
34	GOM_NL__2PRFIN20110908_070742_000000493106_00221_49804_2372.N1	08-SEP-2011 07:07:42	Dark	48.500	23	21Eps CMa	1.5020	26000.	97	49804	No
35	GOM_NL__2PRFIN20110908_070946_000000463106_00221_49804_2373.N1	08-SEP-2011 07:09:46	Dark	46.000	177	1Zet CMa	3.0220	26000.	92	49804	No
36	GOM_NL__2PRFIN20110908_071300_000000483106_00221_49804_2374.N1	08-SEP-2011 07:13:00	Dark	47.500	108	Alp Col	2.6520	15200.	95	49804	No
37	GOM_NL__2PRFIN20110908_072436_000000403106_00222_49805_2377.N1	08-SEP-2011 07:24:36	Dark	40.000	143	Alp Hyi	2.8570	7200.0	80	49805	No
38	GOM_NL__2PRFIN20110908_072558_000000553106_00222_49805_2378.N1	08-SEP-2011 07:25:58	Dark	55.000	9	Alp Eri	0.45300	24000.	110	49805	No
39	GOM_NL__2PRFIN20110908_073148_000000433106_00222_49805_2379.N1	08-SEP-2011 07:31:48	Straylight	43.000	84	Alp Phe	2.3970	4500.0	86	49805	No
40	GOM_NL__2PRFIN20110908_073722_000000453106_00222_49805_2380.N1	08-SEP-2011 07:37:22	Straylight	44.500	18	24Alp PsA	1.1660	9700.0	89	49805	No
41	GOM_NL__2PRFIN20110908_074618_000000383106_00222_49805_2381.N1	08-SEP-2011 07:46:18	Bright	37.500	162	34Alp Aqr	2.9440	5350.0	75	49805	No
42	GOM_NL__2PRFIN20110908_082858_000000413106_00222_49805_2382.N1	08-SEP-2011 08:28:58	Bright	40.500	24	66Alp Gem	1.5800	10200.	81	49805	No

43	GOM_NL__2PRFIN20110908_084526_000000573106_00222_49805_2383.N1	08-SEP-2011 08:45:26	Dark	56.500	1	9Alp CMa	-1.4400	11000.	113	49805	No
44	GOM_NL__2PRFIN20110908_084757_000000423106_00222_49805_2384.N1	08-SEP-2011 08:47:57	Dark	42.000	23	21Eps CMa	1.5020	26000.	84	49805	No
45	GOM_NL__2PRFIN20110908_085001_000000453106_00222_49805_2385.N1	08-SEP-2011 08:50:01	Dark	45.000	177	1Zet CMa	3.0220	26000.	90	49805	No
46	GOM_NL__2PRFIN20110908_085315_000000493106_00222_49805_2386.N1	08-SEP-2011 08:53:15	Dark	48.500	108	Alp Col	2.6520	15200.	97	49805	No
47	GOM_NL__2PRFIN20110908_090450_000000413106_00223_49806_2414.N1	08-SEP-2011 09:04:50	Dark	41.000	143	Alp Hyi	2.8570	7200.0	82	49806	No
48	GOM_NL__2PRFIN20110908_090612_000000553106_00223_49806_2415.N1	08-SEP-2011 09:06:12	Dark	55.000	9	Alp Eri	0.45300	24000.	110	49806	No
49	GOM_NL__2PRFIN20110908_091203_000000503106_00223_49806_2416.N1	08-SEP-2011 09:12:03	Straylight	50.000	84	Alp Phe	2.3970	4500.0	100	49806	No
50	GOM_NL__2PRFIN20110908_091736_000000463106_00223_49806_2417.N1	08-SEP-2011 09:17:36	Straylight	46.000	18	24Alp PsA	1.1660	9700.0	92	49806	No
51	GOM_NL__2PRFIN20110908_092632_000000383106_00223_49806_2418.N1	08-SEP-2011 09:26:32	Bright	37.500	162	34Alp Aqr	2.9440	5350.0	75	49806	No
52	GOM_NL__2PRFIN20110908_102541_000000603106_00223_49806_2419.N1	08-SEP-2011 10:25:41	Dark	59.500	1	9Alp CMa	-1.4400	11000.	119	49806	No
53	GOM_NL__2PRFIN20110908_102811_000000493106_00223_49806_2420.N1	08-SEP-2011 10:28:11	Dark	48.500	23	21Eps CMa	1.5020	26000.	97	49806	No
54	GOM_NL__2PRFIN20110908_103016_000000453106_00223_49806_2421.N1	08-SEP-2011 10:30:16	Dark	44.500	177	1Zet CMa	3.0220	26000.	89	49806	No
55	GOM_NL__2PRFIN20110908_103330_000000503106_00223_49806_2422.N1	08-SEP-2011 10:33:30	Dark	50.000	108	Alp Col	2.6520	15200.	100	49806	No
56	GOM_NL__2PRFIN20110908_104504_000000393106_00224_49807_2496.N1	08-SEP-2011 10:45:04	Dark	39.000	143	Alp Hyi	2.8570	7200.0	78	49807	No
57	GOM_NL__2PRFIN20110908_104627_000000513106_00224_49807_2497.N1	08-SEP-2011 10:46:27	Dark	50.500	9	Alp Eri	0.45300	24000.	101	49807	No
58	GOM_NL__2PRFIN20110908_105217_000000523106_00224_49807_2498.N1	08-SEP-2011 10:52:17	Straylight	52.000	84	Alp Phe	2.3970	4500.0	104	49807	No
59	GOM_NL__2PRFIN20110908_105750_000000453106_00224_49807_2499.N1	08-SEP-2011 10:57:50	Straylight	45.000	18	24Alp PsA	1.1660	9700.0	90	49807	No
60	GOM_NL__2PRFIN20110908_110646_000000383106_00224_49807_2500.N1	08-SEP-2011 11:06:46	Bright	38.000	162	34Alp Aqr	2.9440	5350.0	76	49807	No
61	GOM_NL__2PRFIN20110908_111600_000000383106_00224_49807_2501.N1	08-SEP-2011 11:16:00	Bright	38.000	164	44Eta Peg	2.9480	5400.0	76	49807	No
62	GOM_NL__2PRFIN20110908_120555_000000553106_00224_49807_2502.N1	08-SEP-2011 12:05:55	Dark	54.500	1	9Alp CMa	-1.4400	11000.	109	49807	No
63	GOM_NL__2PRFIN20110908_120826_000000473106_00224_49807_2503.N1	08-SEP-2011 12:08:26	Dark	46.500	23	21Eps CMa	1.5020	26000.	93	49807	No
64	GOM_NL__2PRFIN20110908_121031_000000433106_00224_49807_2504.N1	08-SEP-2011 12:10:31	Dark	43.000	177	1Zet CMa	3.0220	26000.	86	49807	No
65	GOM_NL__2PRFIN20110908_121345_000000513106_00224_49807_2505.N1	08-SEP-2011 12:13:45	Dark	51.000	108	Alp Col	2.6520	15200.	102	49807	No
66	GOM_NL__2PRFIN20110908_122519_000000413106_00225_49808_2562.N1	08-SEP-2011 12:25:19	Dark	40.500	143	Alp Hyi	2.8570	7200.0	81	49808	No
67	GOM_NL__2PRFIN20110908_123231_000000513106_00225_49808_2563.N1	08-SEP-2011 12:32:31	Straylight	50.500	84	Alp Phe	2.3970	4500.0	101	49808	No
68	GOM_NL__2PRFIN20110908_123804_000000473106_00225_49808_2564.N1	08-SEP-2011 12:38:04	Straylight	46.500	18	24Alp PsA	1.1660	9700.0	93	49808	No
69	GOM_NL__2PRFIN20110908_124700_000000383106_00225_49808_2565.N1	08-SEP-2011 12:47:00	Bright	38.000	162	34Alp Aqr	2.9440	5350.0	76	49808	No
70	GOM_NL__2PRFIN20110908_133749_000000483106_00225_49808_2566.N1	08-SEP-2011 13:37:49	Twilight	48.000	8	10Alp CMi	0.40000	6500.0	96	49808	No
71	GOM_NL__2PRFIN20110908_134610_000000523106_00225_49808_2567.N1	08-SEP-2011 13:46:10	Dark	52.000	1	9Alp CMa	-1.4400	11000.	104	49808	No
72	GOM_NL__2PRFIN20110908_134840_000000463106_00225_49808_2568.N1	08-SEP-2011 13:48:40	Dark	45.500	23	21Eps CMa	1.5020	26000.	91	49808	No
73	GOM_NL__2PRFIN20110908_135046_000000453106_00225_49808_2569.N1	08-SEP-2011 13:50:46	Dark	44.500	177	1Zet CMa	3.0220	26000.	89	49808	No
74	GOM_NL__2PRFIN20110908_135400_000000493106_00225_49808_2570.N1	08-SEP-2011 13:54:00	Dark	49.000	108	Alp Col	2.6520	15200.	98	49808	No
75	GOM_NL__2PRFIN20110908_140533_000000403106_00226_49809_2595.N1	08-SEP-2011 14:05:33	Dark	39.500	143	Alp Hyi	2.8570	7200.0	79	49809	No
76	GOM_NL__2PRFIN20110908_140656_000000423106_00226_49809_2596.N1	08-SEP-2011 14:06:56	Dark	41.500	9	Alp Eri	0.45300	24000.	83	49809	No
77	GOM_NL__2PRFIN20110908_141246_000000503106_00226_49809_2597.N1	08-SEP-2011 14:12:46	Straylight	50.000	84	Alp Phe	2.3970	4500.0	100	49809	No
78	GOM_NL__2PRFIN20110908_141818_000000483106_00226_49809_2598.N1	08-SEP-2011 14:18:18	Straylight	48.000	18	24Alp PsA	1.1660	9700.0	96	49809	No
79	GOM_NL__2PRFIN20110908_142714_000000373106_00226_49809_2599.N1	08-SEP-2011 14:27:14	Bright	37.000	162	34Alp Aqr	2.9440	5350.0	74	49809	No
80	GOM_NL__2PRFIN20110908_150955_000000413106_00226_49809_2600.N1	08-SEP-2011 15:09:55	Bright	41.000	24	66Alp Gem	1.5800	10200.	82	49809	No
81	GOM_NL__2PRFIN20110908_151804_000000503106_00226_49809_2601.N1	08-SEP-2011 15:18:04	Twilight	50.000	8	10Alp CMi	0.40000	6500.0	100	49809	No
82	GOM_NL__2PRFIN20110908_152625_000000543106_00226_49809_2602.N1	08-SEP-2011 15:26:25	Dark	54.000	1	9Alp CMa	-1.4400	11000.	108	49809	No
83	GOM_NL__2PRFIN20110908_152855_000000483106_00226_49809_2603.N1	08-SEP-2011 15:28:55	Dark	47.500	23	21Eps CMa	1.5020	26000.	95	49809	No
84	GOM_NL__2PRFIN20110908_153100_000000453106_00226_49809_2604.N1	08-SEP-2011 15:31:00	Dark	45.000	177	1Zet CMa	3.0220	26000.	90	49809	No
85	GOM_NL__2PRFIN20110908_153415_000000493106_00226_49809_2605.N1	08-SEP-2011 15:34:15	Dark	48.500	108	Alp Col	2.6520	15200.	97	49809	No
86	GOM_NL__2PRFIN20110908_154548_000000403106_00227_49810_2634.N1	08-SEP-2011 15:45:48	Dark	39.500	143	Alp Hyi	2.8570	7200.0	79	49810	No
87	GOM_NL__2PRFIN20110908_154710_000000433106_00227_49810_2635.N1	08-SEP-2011 15:47:10	Dark	43.000	9	Alp Eri	0.45300	24000.	86	49810	No
88	GOM_NL__2PRFIN20110908_155300_000000493106_00227_49810_2636.N1	08-SEP-2011 15:53:00	Straylight	48.500	84	Alp Phe	2.3970	4500.0	97	49810	No
89	GOM_NL__2PRFIN20110908_161228_000000433106_00227_49810_2637.N1	08-SEP-2011 16:12:28	Bright	42.500	90	54Alp Peg	2.4870	11000.	85	49810	No
90	GOM_NL__2PRFIN20110908_161641_000000413106_00227_49810_2638.N1	08-SEP-2011 16:16:41	Bright	40.500	164	44Eta Peg	2.9480	5400.0	81	49810	No
91	GOM_NL__2PRFIN20110908_162656_000000413106_00227_49810_2639.N1	08-SEP-2011 16:26:56	Bright	41.000	74	11Bet Cas	2.2680	6600.0	82	49810	No
92	GOM_NL__2PRFIN20110908_165818_000000493106_00227_49810_2640.N1	08-SEP-2011 16:58:18	Twilight	49.000	8	10Alp CMi	0.40000	6500.0	98	49810	No
93	GOM_NL__2PRFIN20110908_170640_000000553106_00227_49810_2641.N1	08-SEP-2011 17:06:40	Dark	55.000	1	9Alp CMa	-1.4400	11000.	110	49810	No
94	GOM_NL__2PRFIN20110908_170910_000000473106_00227_49810_2642.N1	08-SEP-2011 17:09:10	Dark	47.000	23	21Eps CMa	1.5020	26000.	94	49810	No
95	GOM_NL__2PRFIN20110908_171116_000000483106_00227_49810_2643.N1	08-SEP-2011 17:11:16	Dark	47.500	177	1Zet CMa	3.0220	26000.	95	49810	No
96	GOM_NL__2PRFIN20110908_171430_000000483106_00227_49810_2644.N1	08-SEP-2011 17:14:30	Dark	48.000	108	Alp Col	2.6520	15200.	96	49810	No
97	GOM_NL__2PRFIN20110908_172602_000000413106_00228_49811_2658.N1	08-SEP-2011 17:26:02	Dark	40.500	143	Alp Hyi	2.8570	7200.0	81	49811	No
98	GOM_NL__2PRFIN20110908_172725_000000443106_00228_49811_2659.N1	08-SEP-2011 17:27:25	Dark	44.000	9	Alp Eri	0.45300	24000.	88	49811	No
99	GOM_NL__2PRFIN20110908_173315_000000443106_00228_49811_2660.N1	08-SEP-2011 17:33:15	Straylight	43.500	84	Alp Phe	2.3970	4500.0	87	49811	No
100	GOM_NL__2PRFIN20110908_173847_000000463106_00228_49811_2661.N1	08-SEP-2011 17:38:47	Straylight	46.000	18	24Alp PsA	1.1660	9700.0	92	49811	No
101	GOM_NL__2PRFIN20110908_175242_000000433106_00228_49811_2662.N1	08-SEP-2011 17:52:42	Bright	42.500	90	54Alp Peg	2.4870	11000.	85	49811	No

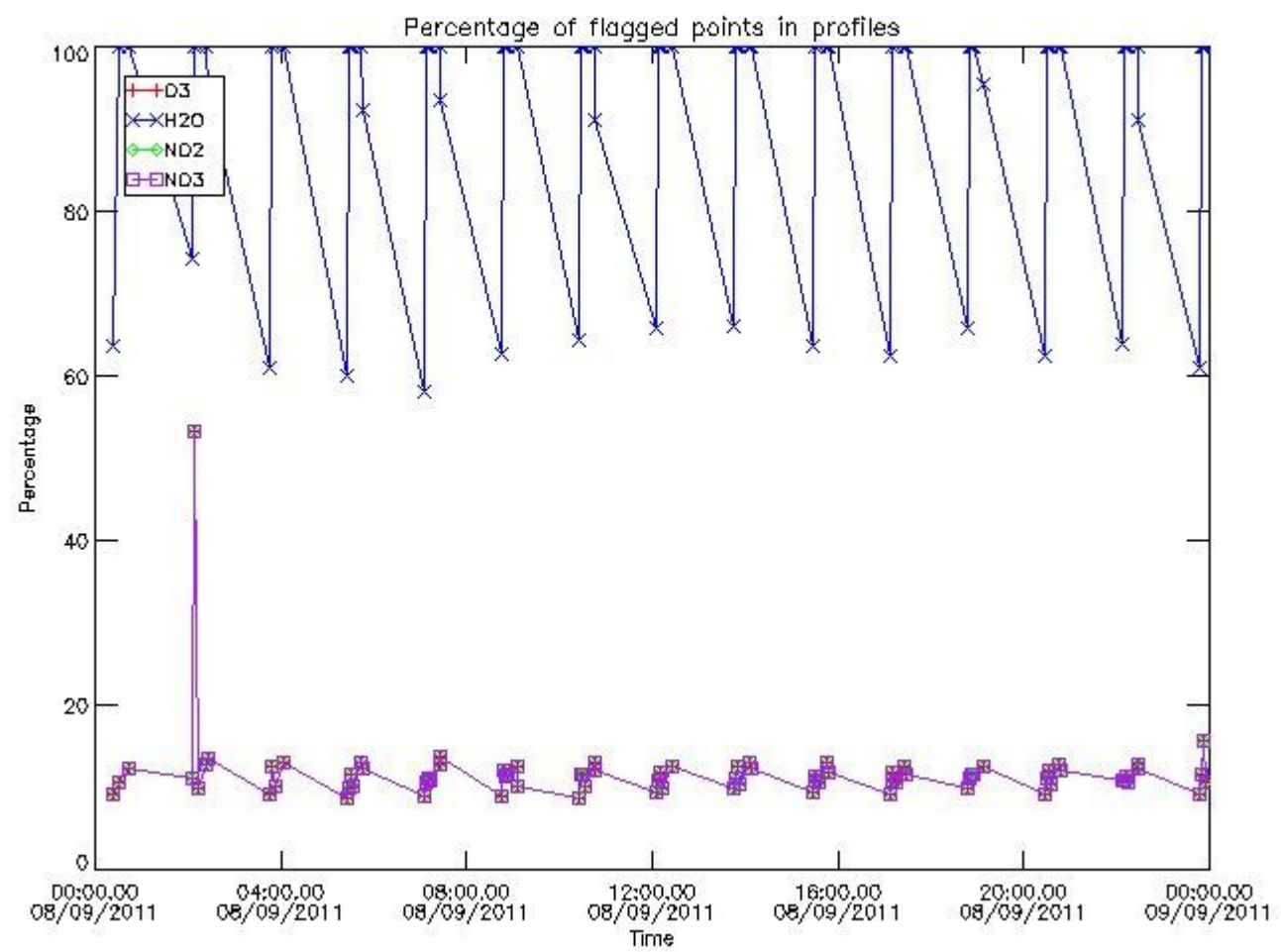
102	GOM_NL__2PRFIN20110908_175655_000000413106_00228_49811_2663.N1	08-SEP-2011 17:56:55	Bright	40.500	164	44Eta Peg	2.9480	5400.0	81	49811	No
103	GOM_NL__2PRFIN20110908_180709_000000433106_00228_49811_2664.N1	08-SEP-2011 18:07:09	Bright	42.500	74	11Bet Cas	2.2680	6600.0	85	49811	No
104	GOM_NL__2PRFIN20110908_183023_000000543106_00228_49811_2665.N1	08-SEP-2011 18:30:23	Bright	54.000	24	66Alp Gem	1.5800	10200.	108	49811	No
105	GOM_NL__2PRFIN20110908_184655_000000523106_00228_49811_2666.N1	08-SEP-2011 18:46:55	Dark	51.500	1	9Alp CMA	-1.4400	11000.	103	49811	No
106	GOM_NL__2PRFIN20110908_184925_000000463106_00228_49811_2667.N1	08-SEP-2011 18:49:25	Dark	45.500	23	21Eps CMA	1.5020	26000.	91	49811	No
107	GOM_NL__2PRFIN20110908_185130_000000443106_00228_49811_2668.N1	08-SEP-2011 18:51:30	Dark	44.000	177	1Zet CMA	3.0220	26000.	88	49811	No
108	GOM_NL__2PRFIN20110908_185445_000000483106_00228_49811_2669.N1	08-SEP-2011 18:54:45	Dark	48.000	108	Alp Col	2.6520	15200.	96	49811	No
109	GOM_NL__2PRFIN20110908_190739_000000453106_00229_49812_2713.N1	08-SEP-2011 19:07:39	Dark	44.500	9	Alp Eri	0.45300	24000.	89	49812	No
110	GOM_NL__2PRFIN20110908_191329_000000453106_00229_49812_2714.N1	08-SEP-2011 19:13:29	Straylight	44.500	84	Alp Phe	2.3970	4500.0	89	49812	No
111	GOM_NL__2PRFIN20110908_191901_000000463106_00229_49812_2715.N1	08-SEP-2011 19:19:01	Straylight	45.500	18	24Alp PsA	1.1660	9700.0	91	49812	No
112	GOM_NL__2PRFIN20110908_193256_000000423106_00229_49812_2716.N1	08-SEP-2011 19:32:56	Bright	42.000	90	54Alp Peg	2.4870	11000.	84	49812	No
113	GOM_NL__2PRFIN20110908_193709_000000403106_00229_49812_2717.N1	08-SEP-2011 19:37:09	Bright	40.000	164	44Eta Peg	2.9480	5400.0	80	49812	No
114	GOM_NL__2PRFIN20110908_194723_000000433106_00229_49812_2718.N1	08-SEP-2011 19:47:23	Bright	42.500	74	11Bet Cas	2.2680	6600.0	85	49812	No
115	GOM_NL__2PRFIN20110908_201037_000000433106_00229_49812_2719.N1	08-SEP-2011 20:10:37	Bright	42.500	24	66Alp Gem	1.5800	10200.	85	49812	No
116	GOM_NL__2PRFIN20110908_201847_000000523106_00229_49812_2720.N1	08-SEP-2011 20:18:47	Twilight	51.500	8	10Alp CMi	0.40000	6500.0	103	49812	No
117	GOM_NL__2PRFIN20110908_202710_000000553106_00229_49812_2721.N1	08-SEP-2011 20:27:10	Dark	55.000	1	9Alp CMA	-1.4400	11000.	110	49812	No
118	GOM_NL__2PRFIN20110908_202939_000000503106_00229_49812_2722.N1	08-SEP-2011 20:29:39	Dark	50.000	23	21Eps CMA	1.5020	26000.	100	49812	No
119	GOM_NL__2PRFIN20110908_203145_000000433106_00229_49812_2723.N1	08-SEP-2011 20:31:45	Dark	42.500	177	1Zet CMA	3.0220	26000.	85	49812	No
120	GOM_NL__2PRFIN20110908_203500_000000503106_00229_49812_2724.N1	08-SEP-2011 20:35:00	Dark	49.500	108	Alp Col	2.6520	15200.	99	49812	No
121	GOM_NL__2PRFIN20110908_204631_000000403106_00230_49813_2722.N1	08-SEP-2011 20:46:31	Dark	40.000	143	Alp Hyi	2.8570	7200.0	80	49813	No
122	GOM_NL__2PRFIN20110908_204754_000000423106_00230_49813_2723.N1	08-SEP-2011 20:47:54	Dark	42.000	9	Alp Eri	0.45300	24000.	84	49813	No
123	GOM_NL__2PRFIN20110908_205344_000000463106_00230_49813_2724.N1	08-SEP-2011 20:53:44	Straylight	45.500	84	Alp Phe	2.3970	4500.0	91	49813	No
124	GOM_NL__2PRFIN20110908_211310_000000423106_00230_49813_2725.N1	08-SEP-2011 21:13:10	Bright	42.000	90	54Alp Peg	2.4870	11000.	84	49813	No
125	GOM_NL__2PRFIN20110908_211723_000000423106_00230_49813_2726.N1	08-SEP-2011 21:17:23	Bright	41.500	164	44Eta Peg	2.9480	5400.0	83	49813	No
126	GOM_NL__2PRFIN20110908_212736_000000433106_00230_49813_2727.N1	08-SEP-2011 21:27:36	Bright	42.500	74	11Bet Cas	2.2680	6600.0	85	49813	No
127	GOM_NL__2PRFIN20110908_212933_000000453106_00230_49813_2728.N1	08-SEP-2011 21:29:33	Bright	44.500	76	27Gam Cas	2.3000	30000.	89	49813	No
128	GOM_NL__2PRFIN20110908_215051_000000433106_00230_49813_2729.N1	08-SEP-2011 21:50:51	Bright	42.500	24	66Alp Gem	1.5800	10200.	85	49813	No
129	GOM_NL__2PRFIN20110908_215345_000000553106_00230_49813_2730.N1	08-SEP-2011 21:53:45	Twilight	55.000	170	27Eps Gem	3.0000	9700.0	110	49813	No
130	GOM_NL__2PRFIN20110908_220724_000000523106_00230_49813_2731.N1	08-SEP-2011 22:07:24	Dark	51.500	1	9Alp CMA	-1.4400	11000.	103	49813	No
131	GOM_NL__2PRFIN20110908_220954_000000483106_00230_49813_2732.N1	08-SEP-2011 22:09:54	Dark	47.500	23	21Eps CMA	1.5020	26000.	95	49813	No
132	GOM_NL__2PRFIN20110908_221200_000000453106_00230_49813_2733.N1	08-SEP-2011 22:12:00	Dark	45.000	177	1Zet CMA	3.0220	26000.	90	49813	No
133	GOM_NL__2PRFIN20110908_221515_000000493106_00230_49813_2734.N1	08-SEP-2011 22:15:15	Dark	48.500	108	Alp Col	2.6520	15200.	97	49813	No
134	GOM_NL__2PRFIN20110908_222646_000000403106_00231_49814_2732.N1	08-SEP-2011 22:26:46	Dark	40.000	143	Alp Hyi	2.8570	7200.0	80	49814	No
135	GOM_NL__2PRFIN20110908_222808_000000463106_00231_49814_2733.N1	08-SEP-2011 22:28:08	Dark	45.500	9	Alp Eri	0.45300	24000.	91	49814	No
136	GOM_NL__2PRFIN20110908_223358_000000473106_00231_49814_2734.N1	08-SEP-2011 22:33:58	Straylight	47.000	84	Alp Phe	2.3970	4500.0	94	49814	No
137	GOM_NL__2PRFIN20110908_223929_000000443106_00231_49814_2735.N1	08-SEP-2011 22:39:29	Straylight	43.500	18	24Alp PsA	1.1660	9700.0	87	49814	No
138	GOM_NL__2PRFIN20110908_225323_000000423106_00231_49814_2736.N1	08-SEP-2011 22:53:23	Bright	41.500	90	54Alp Peg	2.4870	11000.	83	49814	No
139	GOM_NL__2PRFIN20110908_225736_000000393106_00231_49814_2737.N1	08-SEP-2011 22:57:36	Bright	38.500	164	44Eta Peg	2.9480	5400.0	77	49814	No
140	GOM_NL__2PRFIN20110908_230750_000000443106_00231_49814_2738.N1	08-SEP-2011 23:07:50	Bright	43.500	74	11Bet Cas	2.2680	6600.0	87	49814	No
141	GOM_NL__2PRFIN20110908_230946_000000453106_00231_49814_2739.N1	08-SEP-2011 23:09:46	Bright	45.000	76	27Gam Cas	2.3000	30000.	90	49814	No
142	GOM_NL__2PRFIN20110908_233105_000000413106_00231_49814_2740.N1	08-SEP-2011 23:31:05	Bright	40.500	24	66Alp Gem	1.5800	10200.	81	49814	No
143	GOM_NL__2PRFIN20110908_233915_000000583106_00231_49814_2741.N1	08-SEP-2011 23:39:15	Twilight	58.000	8	10Alp CMi	0.40000	6500.0	116	49814	No
144	GOM_NL__2PRFIN20110908_234739_000000563106_00231_49814_2742.N1	08-SEP-2011 23:47:39	Dark	55.500	1	9Alp CMA	-1.4400	11000.	111	49814	No
145	GOM_NL__2PRFIN20110908_235008_000000483106_00231_49814_2743.N1	08-SEP-2011 23:50:08	Dark	48.000	23	21Eps CMA	1.5020	26000.	96	49814	No
146	GOM_NL__2PRFIN20110908_235215_000000463106_00231_49814_2744.N1	08-SEP-2011 23:52:15	Dark	45.500	177	1Zet CMA	3.0220	26000.	91	49814	No
147	GOM_NL__2PRFIN20110908_235530_000000493106_00231_49814_2745.N1	08-SEP-2011 23:55:30	Dark	48.500	108	Alp Col	2.6520	15200.	97	49814	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.

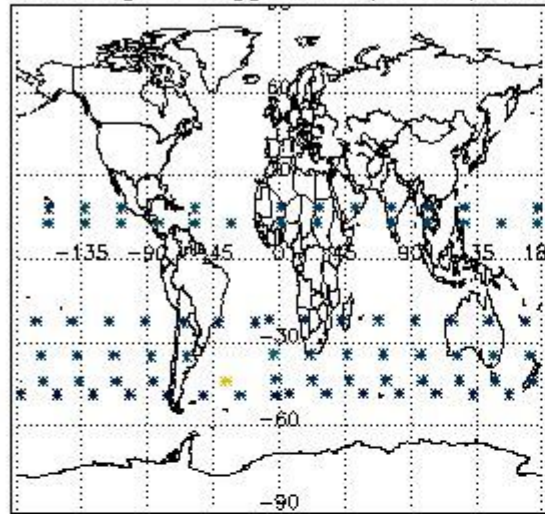
#### 3.1 Plot quality information per product (time dependant)



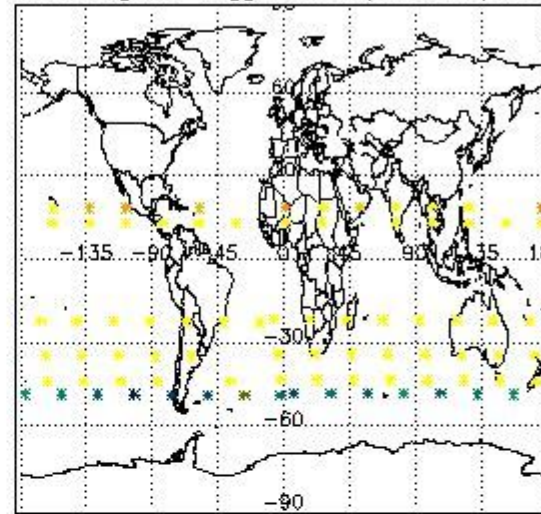


3.2 Plot quality information per product (world map)

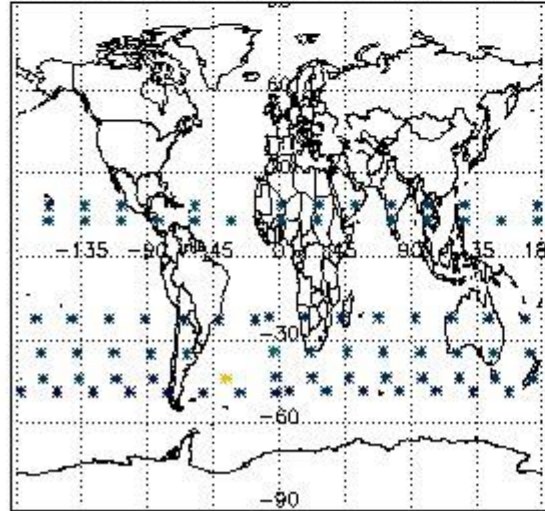
Percentage of flagged data per O3 profile



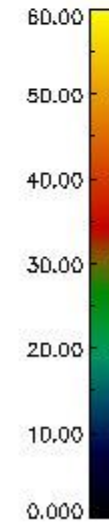
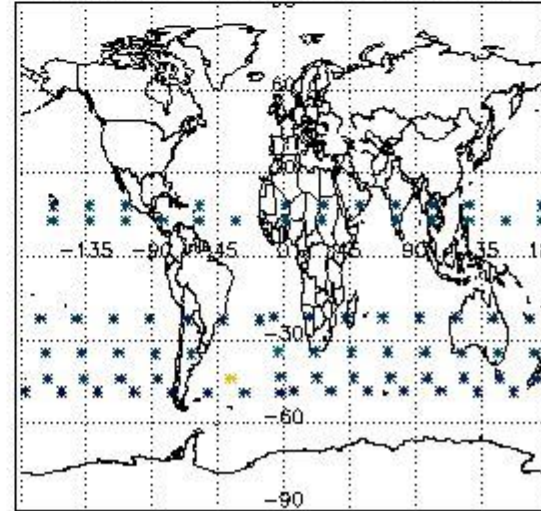
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

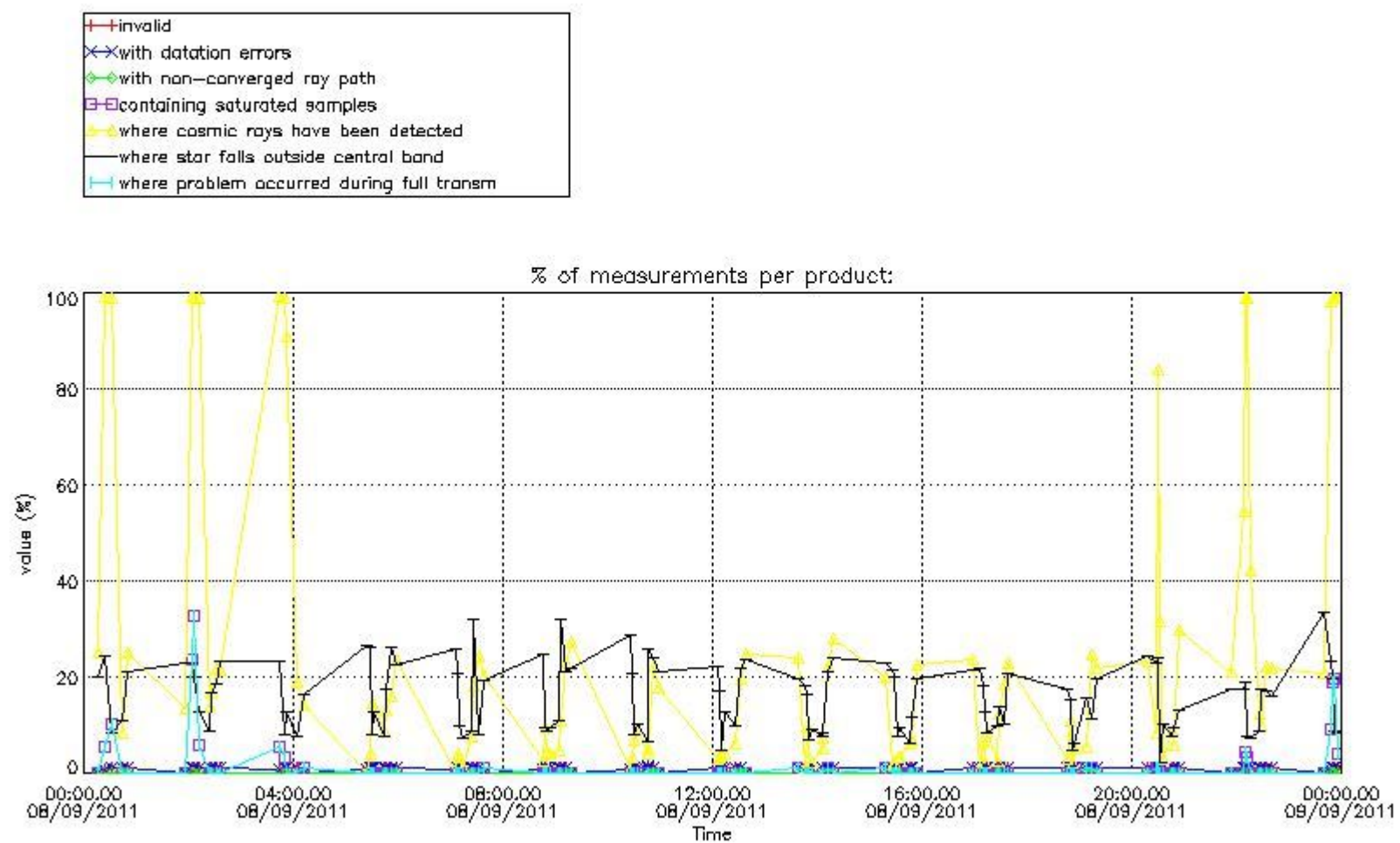


#### 4. Level 1 quality information per product

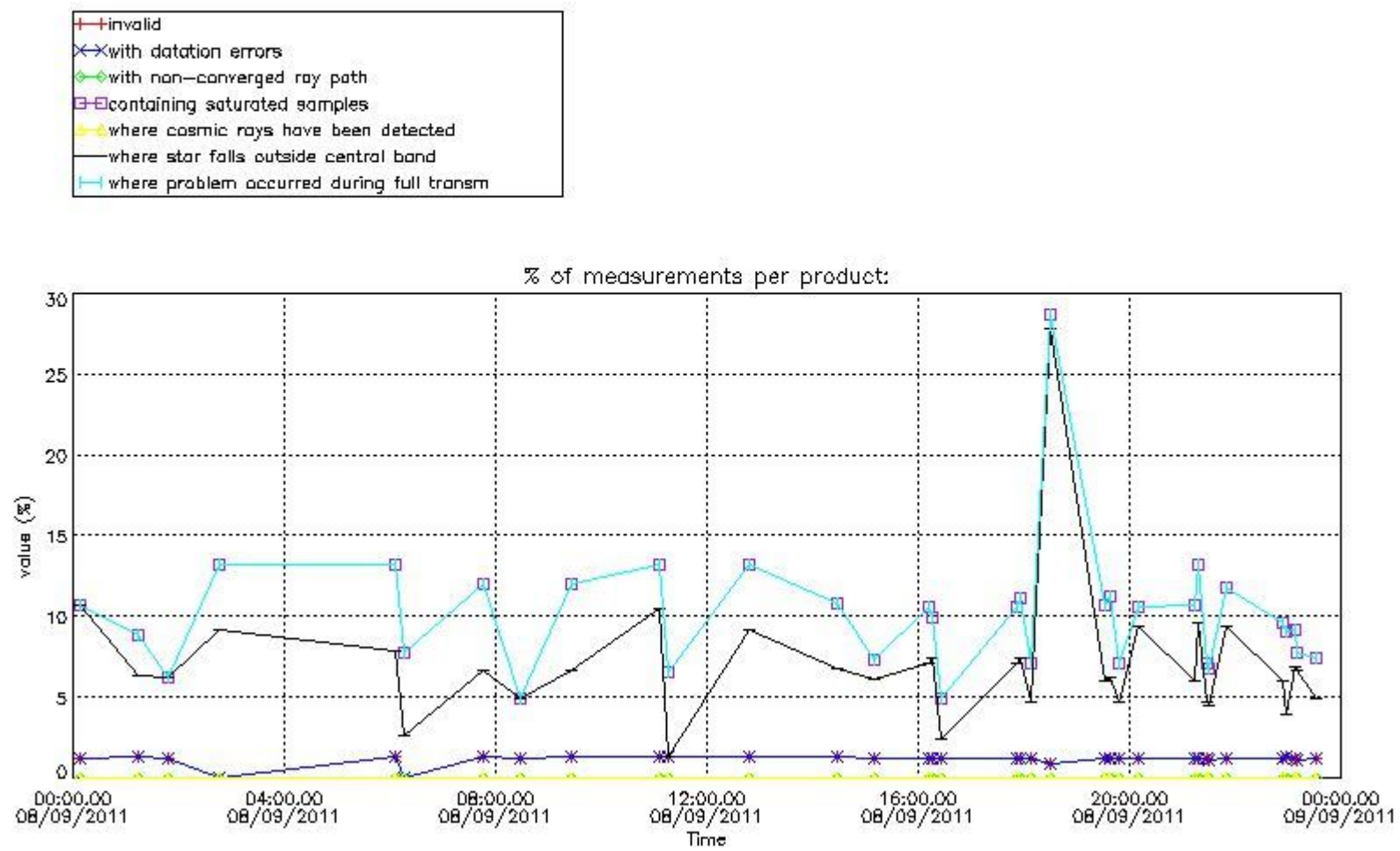
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

##### 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



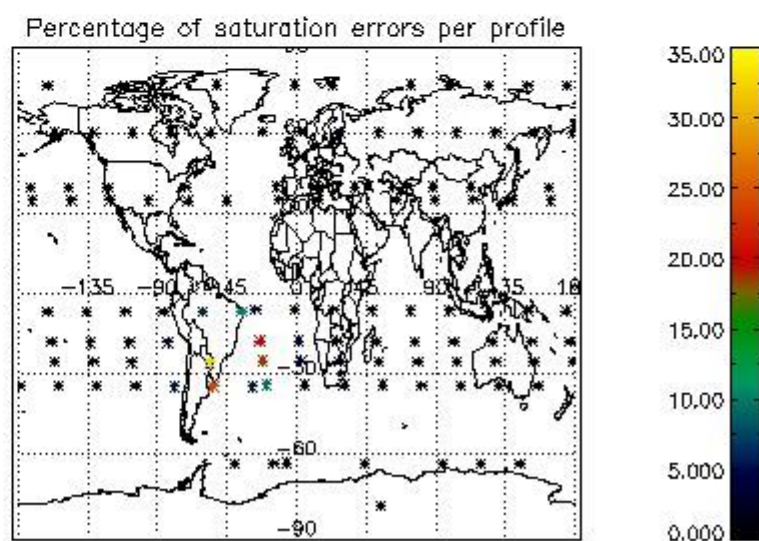
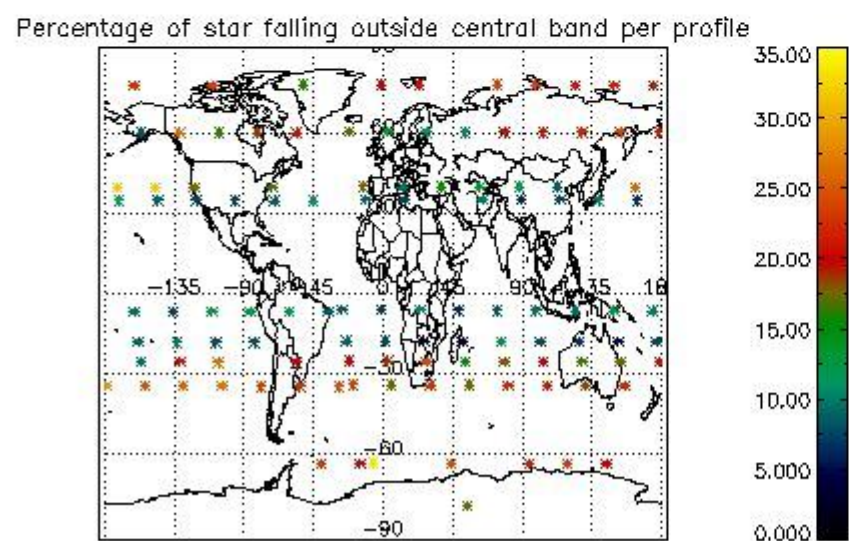
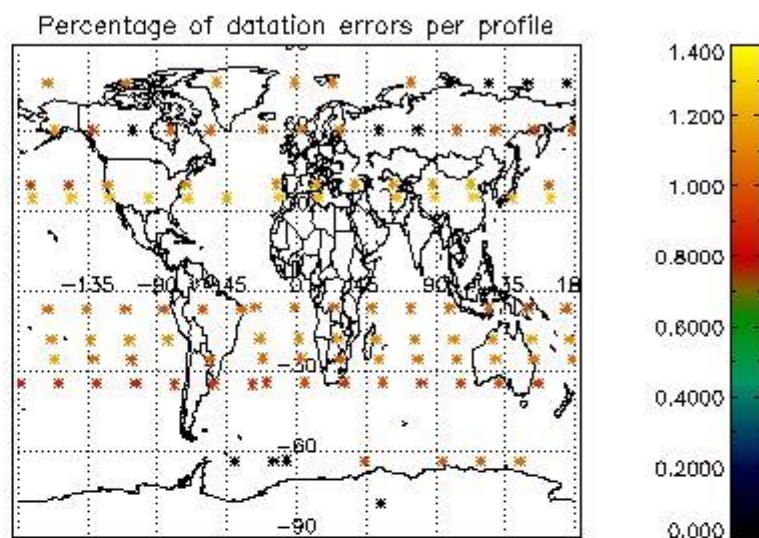
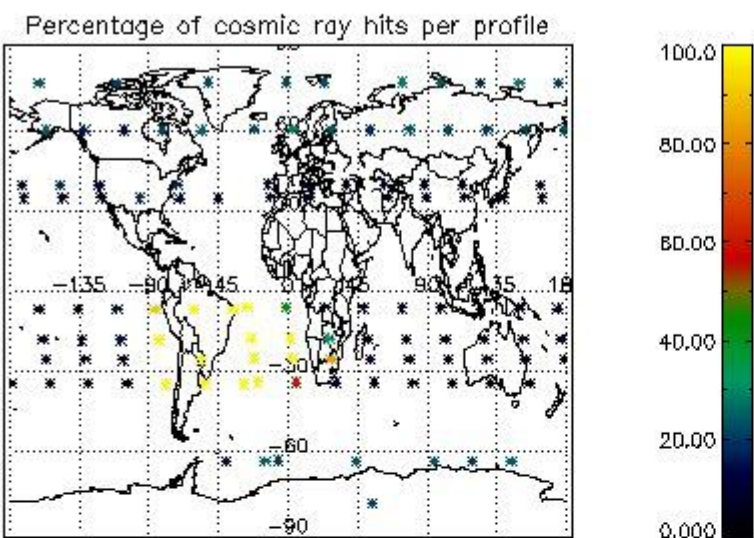
4.1.2 Plot level 1 quality information per product (time dependant): ENVISAT DESCENDING passes



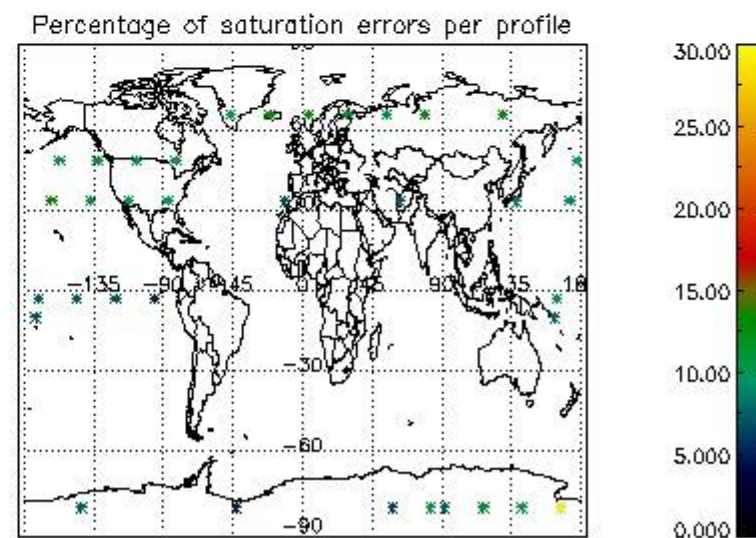
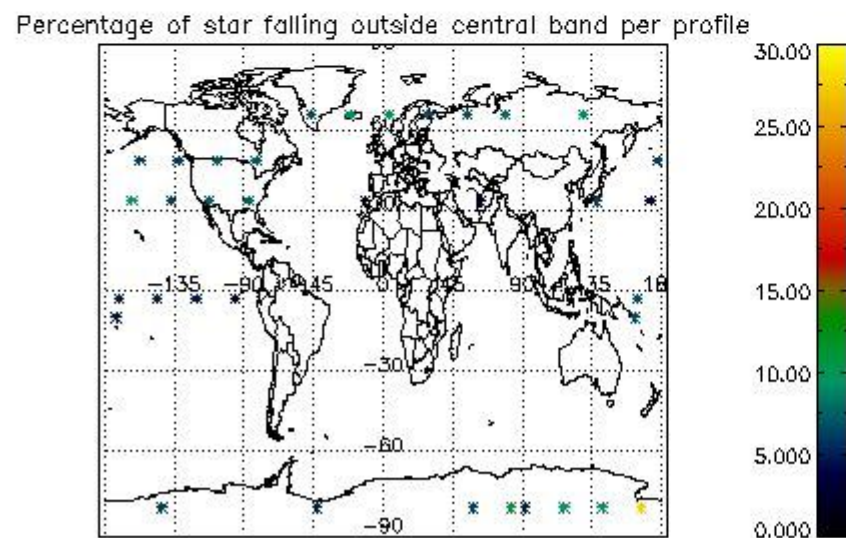
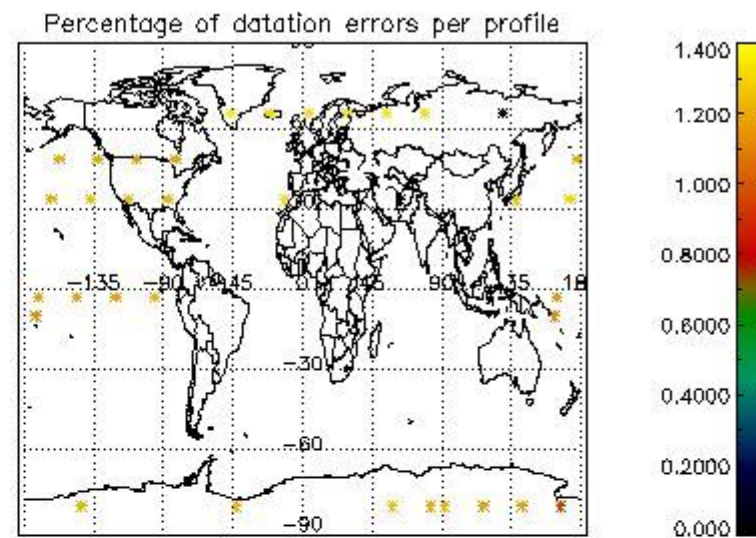
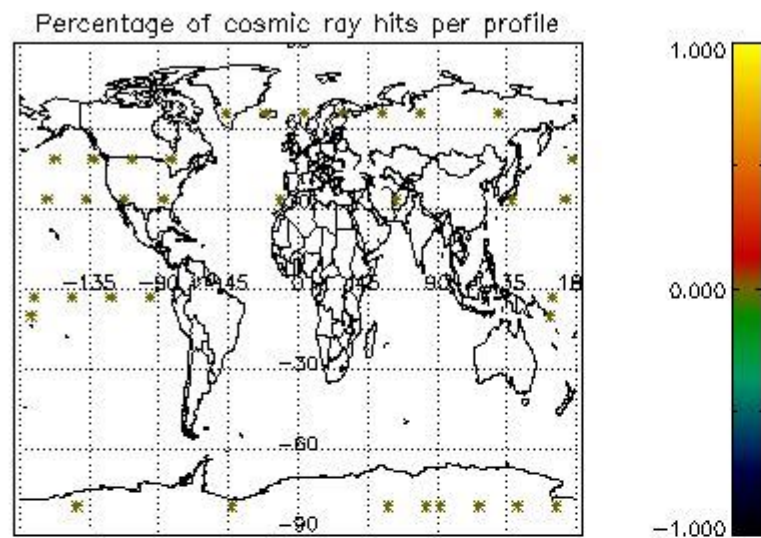
*4.2 Plot quality information per product coming from level 1b processing (world map)*

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





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



## 5. Trace gas profiles

### 5.1 Ozone statistics based on quality of products

The final quality of the products can be "measured" using the STD (Standard Deviation) attached to every point profile. This information is written to the parameter GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/o3\_std of the level 2 products. The table below shows the statistics for given STD ranges.

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

- Products without fatal errors: GOM\_NL\_\_2P/MPH/PRODUCT\_ERR=0
- Valid point profile: GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/pcd(0)=0

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

- Products in dark limb illumination condition: GOM\_NL\_\_2P/NL\_SUMMARY\_QUALITY/obs\_ill\_cond=0
- Products without fatal errors: GOM\_NL\_\_2P/MPH/PRODUCT\_ERR=0
- Valid point profile: GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/pcd(0)=0

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

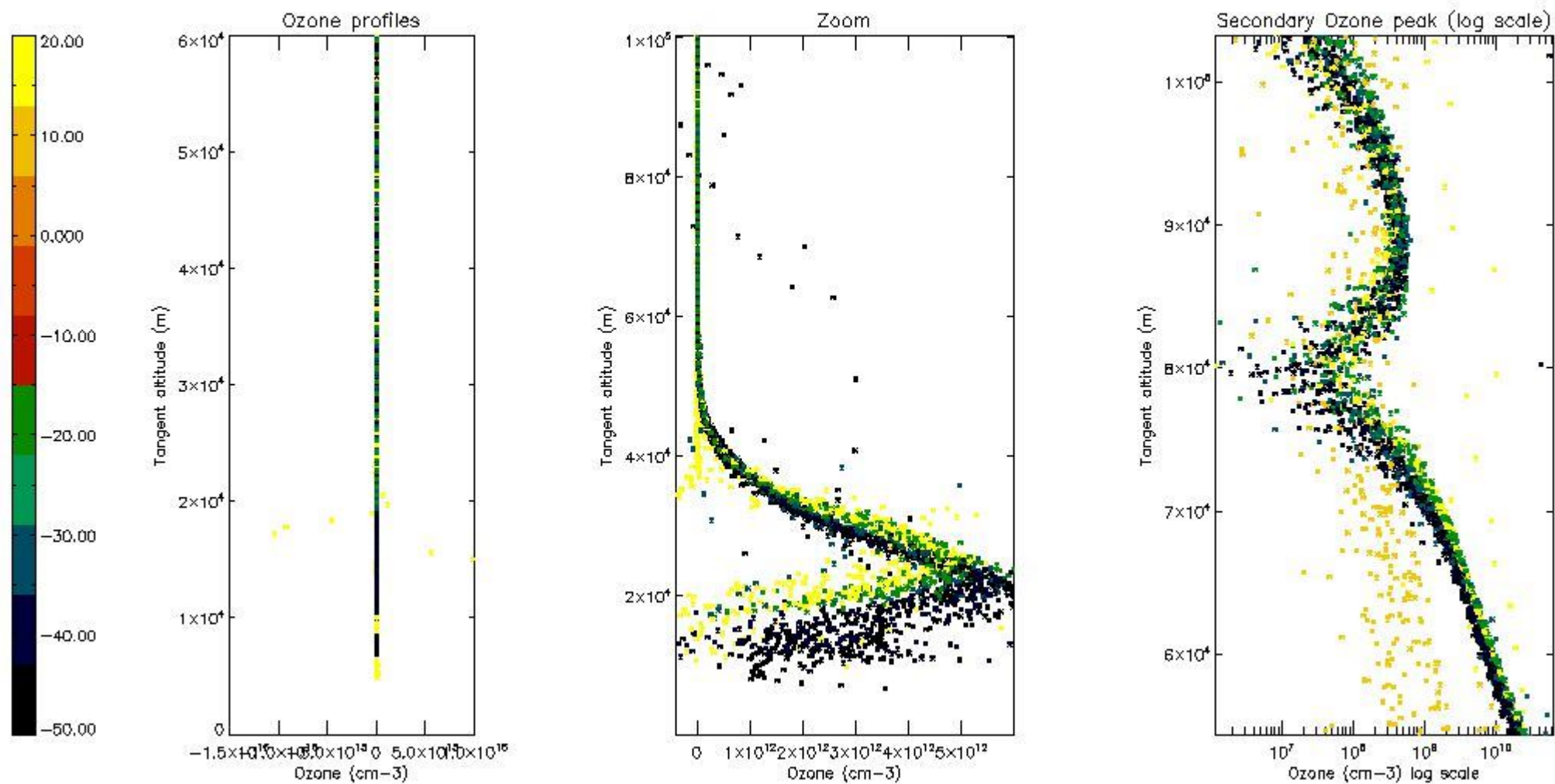
Criteria	% of total production
All STD	56
STD < 20	33



STD < 10	28
STD < 5	20

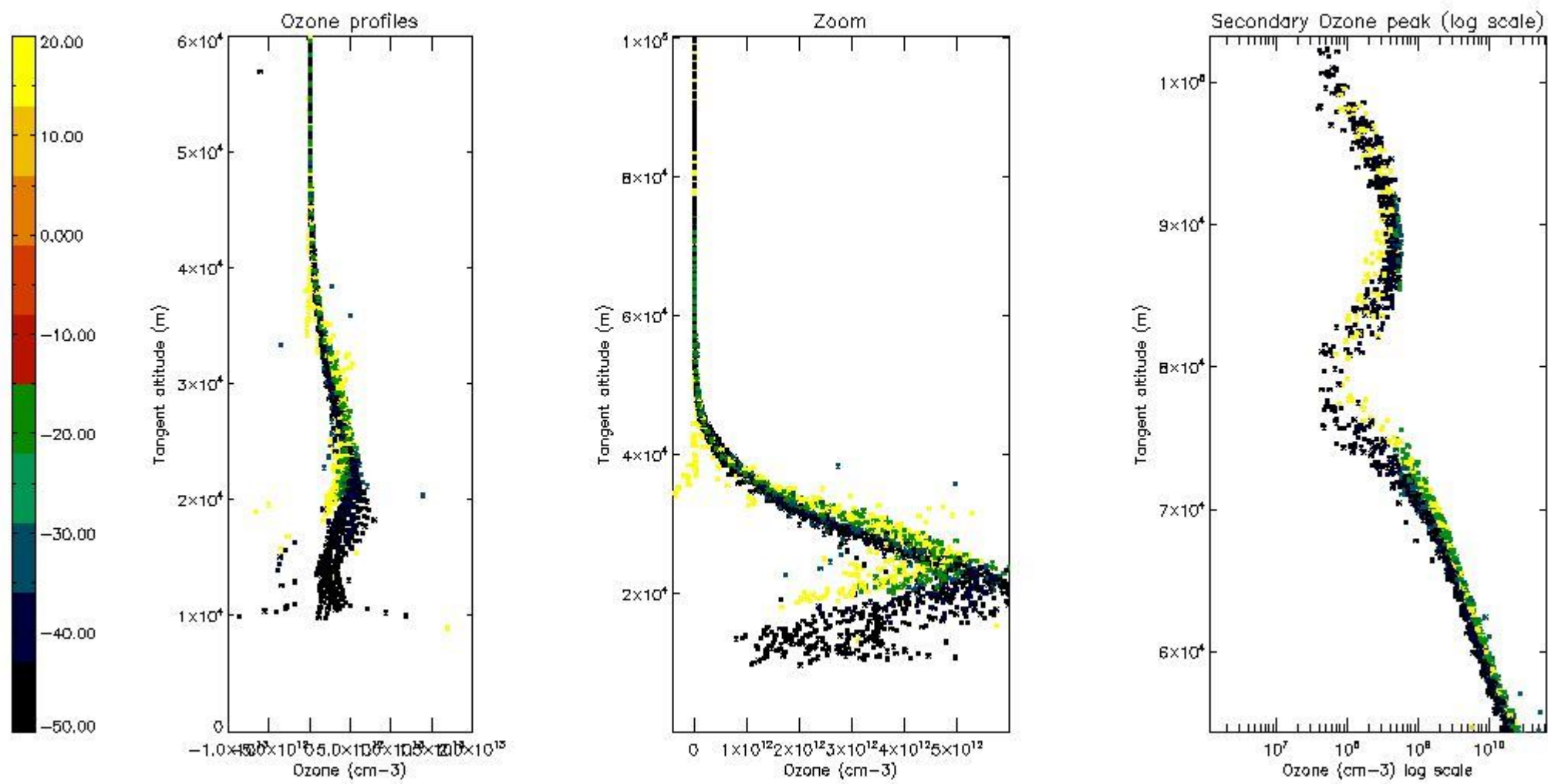
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

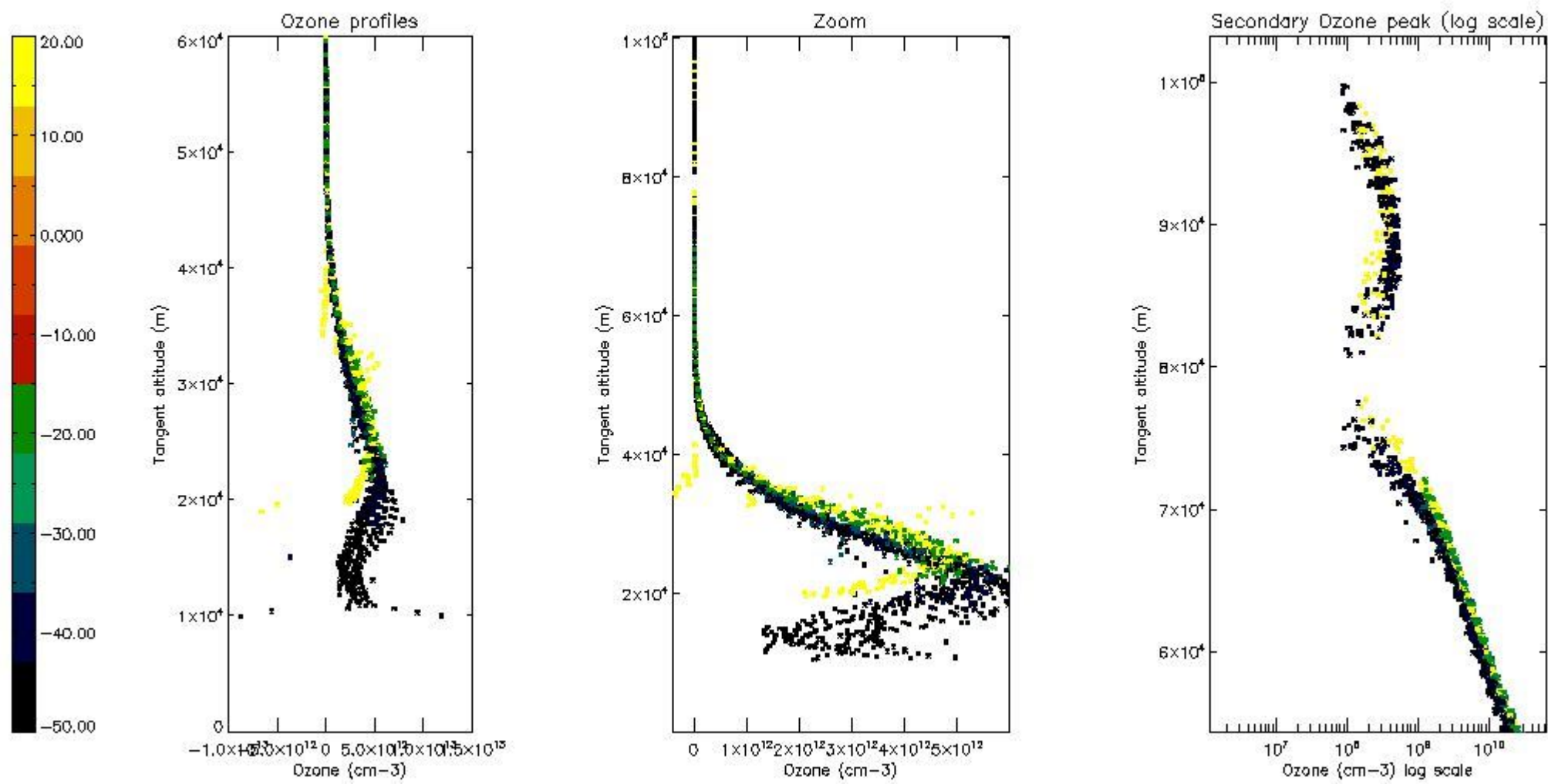
The colorbar represents the latitude.



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

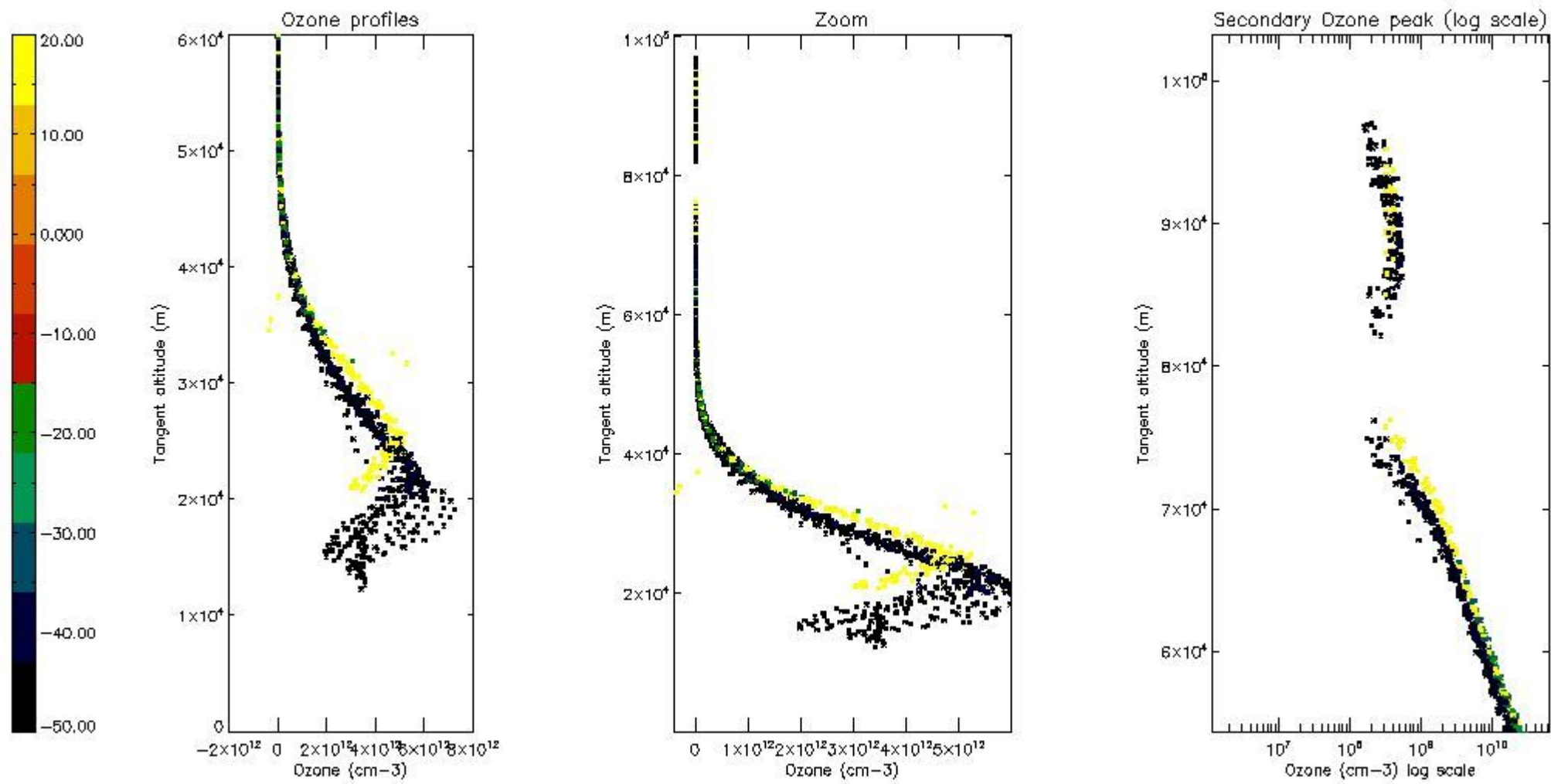
The colorbar represents the latitude.





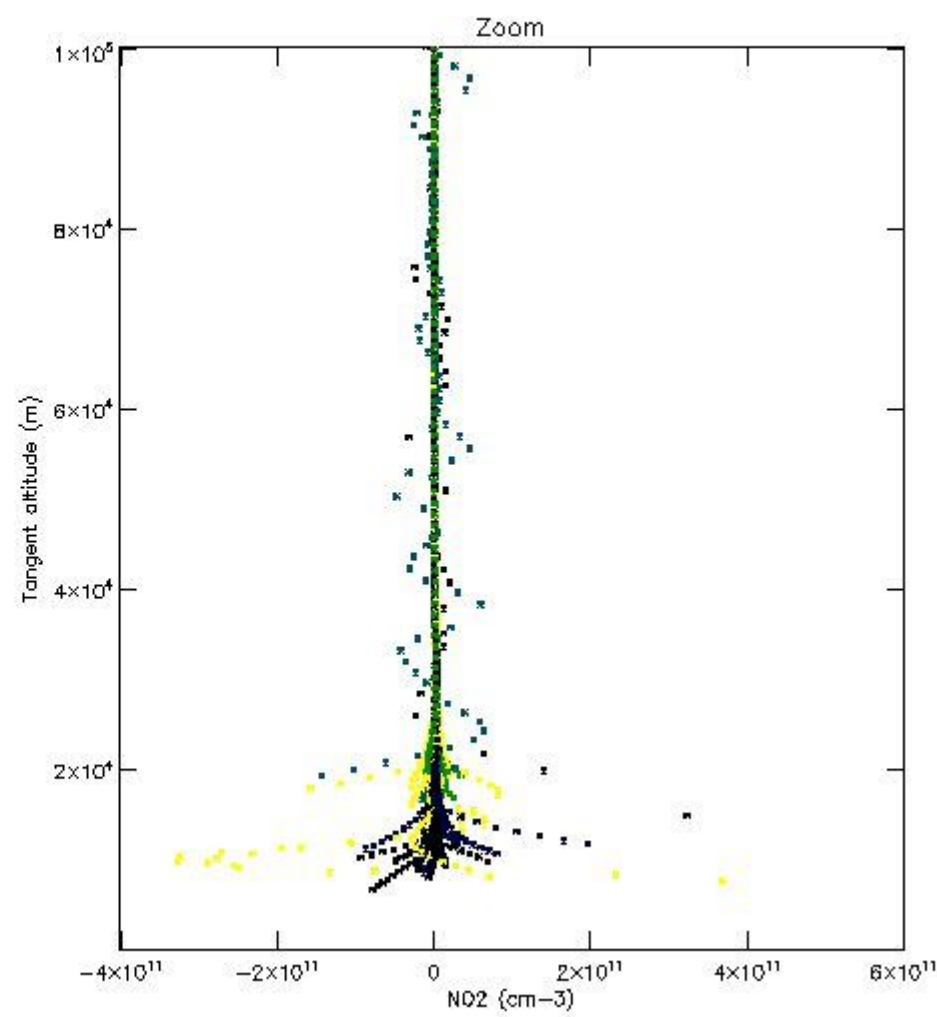
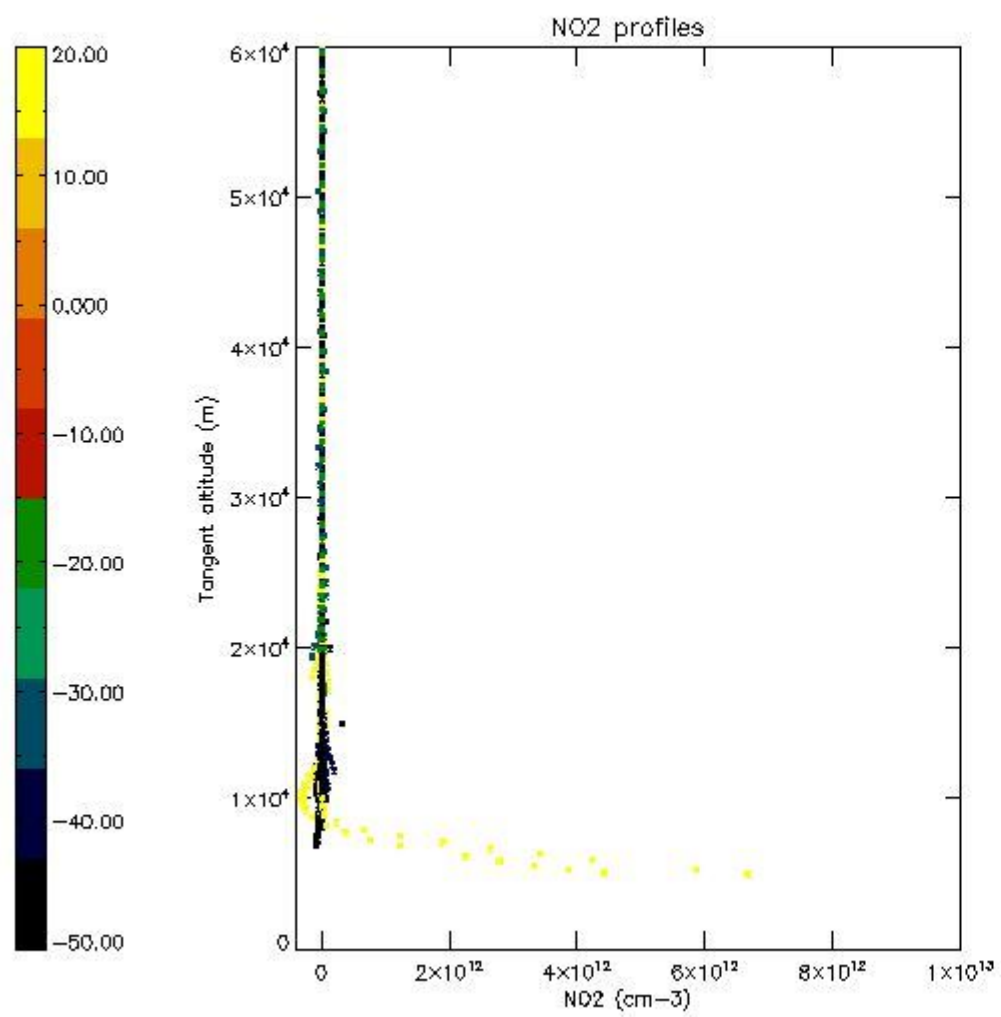
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



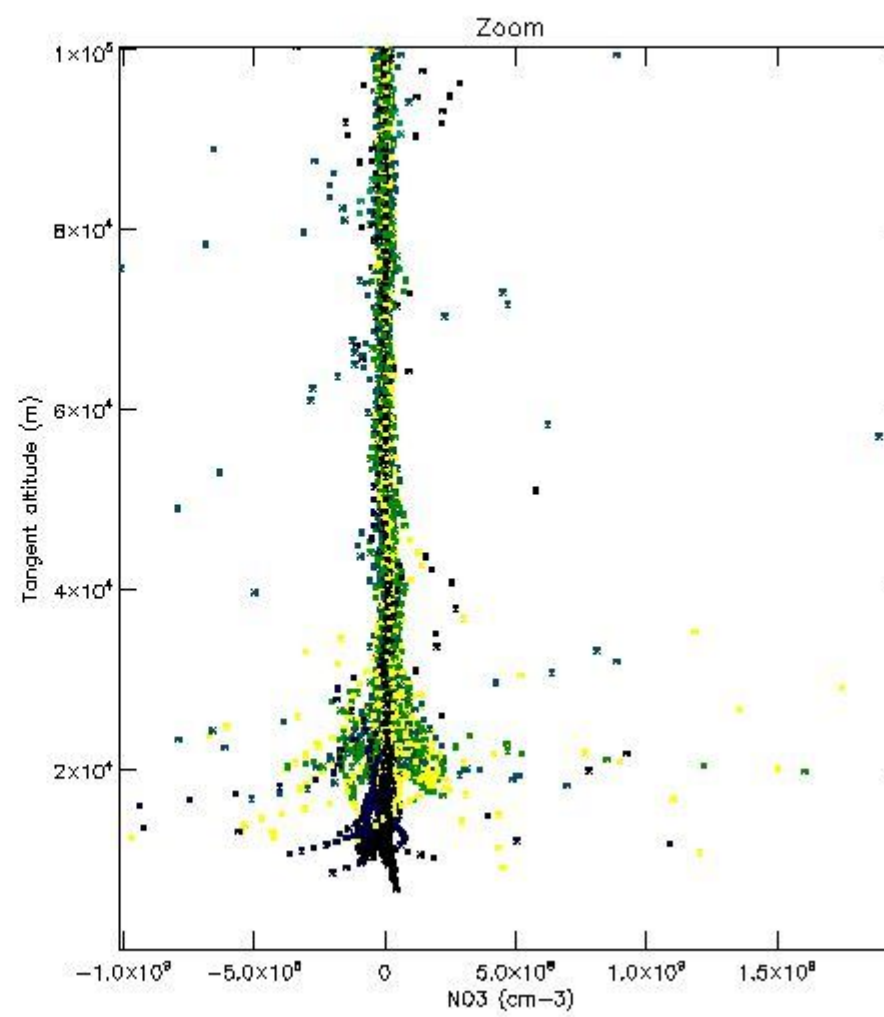
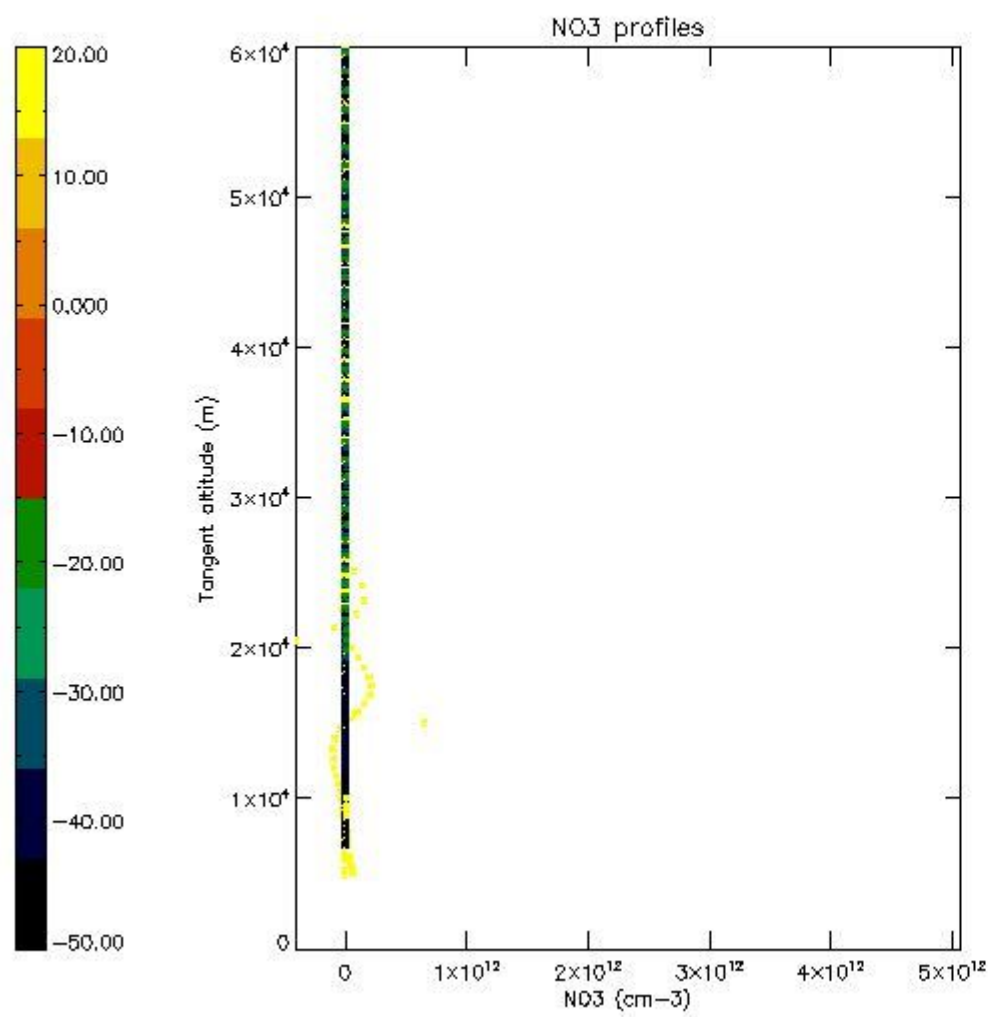
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



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

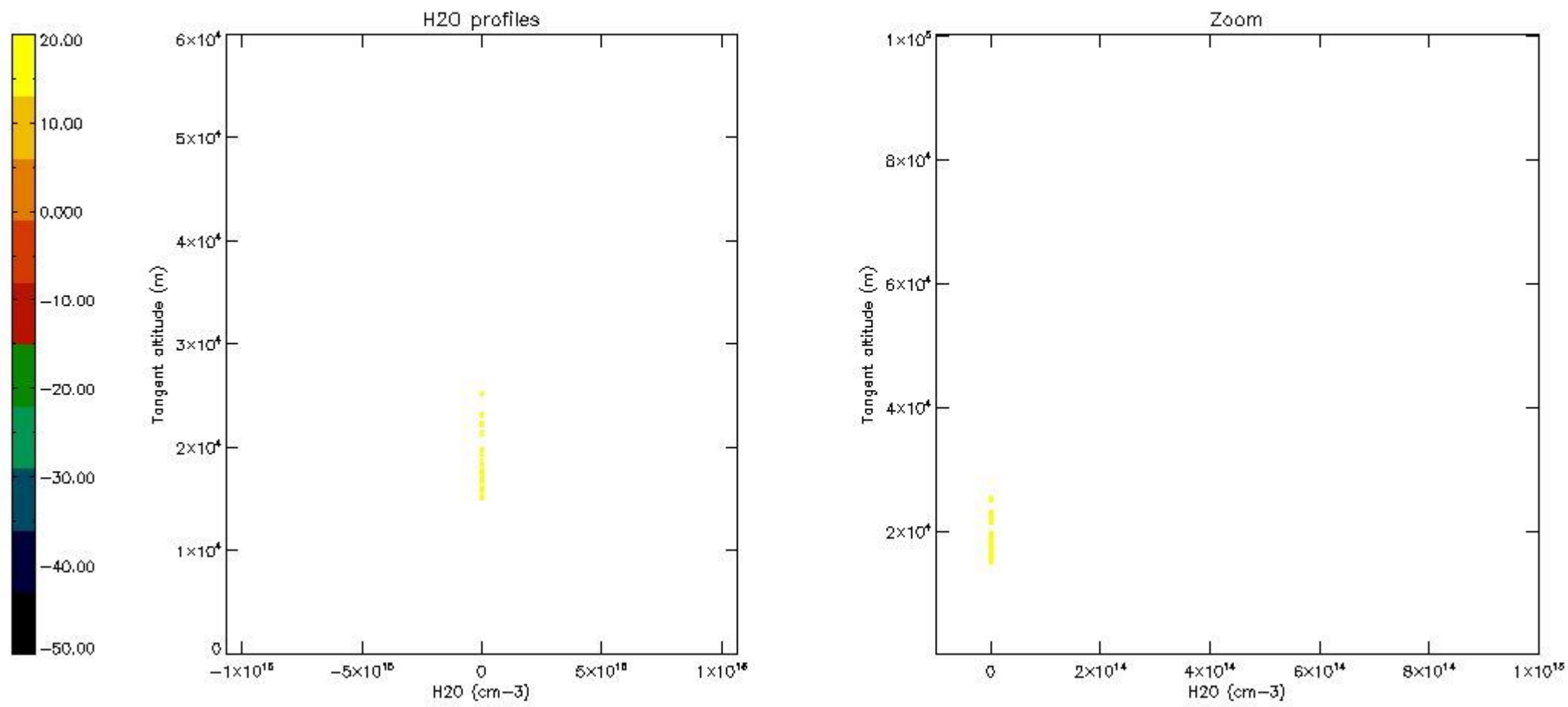
The colorbar represents the latitude.



*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-SEP-2011 00:07:48
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	08-SEP-2011 00:07:48
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	08-SEP-2011 00:07:48

# GOMOS Level 2 Daily Report

## SUMMARY

### [1. General Info](#)

### [2. Summary of processed GOM\\_NL\\_2P products](#)

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

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

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

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

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

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

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

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

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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	24APR2013 17:38:22
Data source version	GOMOS/6.01
Start time of products	08-09-2011 (08SEP2011 00:00:00)
Stop time of products	09-09-2011 (09SEP2011 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	147
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__2PRFIN20110908_000748_000000423106_00217_49800_2188.N1	08-SEP-2011 00:07:48	Bright	42.000	24	66Alp Gem	1.5800	10200.	84	49800	No
2	GOM_NL__2PRFIN20110908_001554_000000483106_00217_49800_2189.N1	08-SEP-2011 00:15:54	Twilight	47.500	8	10Alp CMi	0.40000	6500.0	95	49800	No
3	GOM_NL__2PRFIN20110908_002412_000000563106_00217_49800_2190.N1	08-SEP-2011 00:24:12	Dark	55.500	1	9Alp CMa	-1.4400	11000.	111	49800	No
4	GOM_NL__2PRFIN20110908_003159_000000493106_00217_49800_2191.N1	08-SEP-2011 00:31:59	Dark	48.500	108	Alp Col	2.6520	15200.	97	49800	No
5	GOM_NL__2PRFIN20110908_004337_000000423106_00218_49801_2193.N1	08-SEP-2011 00:43:37	Dark	41.500	143	Alp Hyi	2.8570	7200.0	83	49801	No
6	GOM_NL__2PRFIN20110908_005050_000000503106_00218_49801_2194.N1	08-SEP-2011 00:50:50	Straylight	50.000	84	Alp Phe	2.3970	4500.0	100	49801	No
7	GOM_NL__2PRFIN20110908_011438_000000403106_00218_49801_2195.N1	08-SEP-2011 01:14:38	Bright	39.500	164	44Eta Peg	2.9480	5400.0	79	49801	No
8	GOM_NL__2PRFIN20110908_014802_000000403106_00218_49801_2196.N1	08-SEP-2011 01:48:02	Bright	40.000	24	66Alp Gem	1.5800	10200.	80	49801	No
9	GOM_NL__2PRFIN20110908_015608_000000483106_00218_49801_2197.N1	08-SEP-2011 01:56:08	Twilight	48.000	8	10Alp CMi	0.40000	6500.0	96	49801	No
10	GOM_NL__2PRFIN20110908_020427_000000553106_00218_49801_2198.N1	08-SEP-2011 02:04:27	Dark	55.000	1	9Alp CMa	-1.4400	11000.	110	49801	No
11	GOM_NL__2PRFIN20110908_020658_000000483106_00218_49801_2199.N1	08-SEP-2011 02:06:58	Dark	47.500	23	21Eps CMa	1.5020	26000.	95	49801	No
12	GOM_NL__2PRFIN20110908_021214_000000513106_00218_49801_2200.N1	08-SEP-2011 02:12:14	Dark	51.000	108	Alp Col	2.6520	15200.	102	49801	No
13	GOM_NL__2PRFIN20110908_022352_000000403106_00219_49802_2345.N1	08-SEP-2011 02:23:52	Dark	40.000	143	Alp Hyi	2.8570	7200.0	80	49802	No
14	GOM_NL__2PRFIN20110908_022514_000000453106_00219_49802_2346.N1	08-SEP-2011 02:25:14	Dark	45.000	9	Alp Eri	0.45300	24000.	90	49802	No
15	GOM_NL__2PRFIN20110908_023105_000000493106_00219_49802_2347.N1	08-SEP-2011 02:31:05	Straylight	48.500	84	Alp Phe	2.3970	4500.0	97	49802	No
16	GOM_NL__2PRFIN20110908_023639_000000473106_00219_49802_2348.N1	08-SEP-2011 02:36:39	Straylight	47.000	18	24Alp PsA	1.1660	9700.0	94	49802	No
17	GOM_NL__2PRFIN20110908_024535_000000383106_00219_49802_2349.N1	08-SEP-2011 02:45:35	Bright	38.000	162	34Alp Aqr	2.9440	5350.0	76	49802	No
18	GOM_NL__2PRFIN20110908_034441_000000563106_00219_49802_2350.N1	08-SEP-2011 03:44:41	Dark	55.500	1	9Alp CMa	-1.4400	11000.	111	49802	No
19	GOM_NL__2PRFIN20110908_034916_000000453106_00219_49802_2351.N1	08-SEP-2011 03:49:16	Dark	44.500	177	1Zet CMa	3.0220	26000.	89	49802	No
20	GOM_NL__2PRFIN20110908_035230_000000513106_00219_49802_2352.N1	08-SEP-2011 03:52:30	Dark	50.500	108	Alp Col	2.6520	15200.	101	49802	No
21	GOM_NL__2PRFIN20110908_040407_000000403106_00220_49803_2362.N1	08-SEP-2011 04:04:07	Dark	39.500	143	Alp Hyi	2.8570	7200.0	79	49803	No
22	GOM_NL__2PRFIN20110908_041119_000000463106_00220_49803_2363.N1	08-SEP-2011 04:11:19	Straylight	46.000	84	Alp Phe	2.3970	4500.0	92	49803	No
23	GOM_NL__2PRFIN20110908_052456_000000583106_00220_49803_2364.N1	08-SEP-2011 05:24:56	Dark	58.000	1	9Alp CMa	-1.4400	11000.	116	49803	No
24	GOM_NL__2PRFIN20110908_052727_000000523106_00220_49803_2365.N1	08-SEP-2011 05:27:27	Dark	51.500	23	21Eps CMa	1.5020	26000.	103	49803	No
25	GOM_NL__2PRFIN20110908_052931_000000453106_00220_49803_2366.N1	08-SEP-2011 05:29:31	Dark	44.500	177	1Zet CMa	3.0220	26000.	89	49803	No
26	GOM_NL__2PRFIN20110908_053245_000000513106_00220_49803_2367.N1	08-SEP-2011 05:32:45	Dark	50.500	108	Alp Col	2.6520	15200.	101	49803	No
27	GOM_NL__2PRFIN20110908_054421_000000403106_00221_49804_2365.N1	08-SEP-2011 05:44:21	Dark	39.500	143	Alp Hyi	2.8570	7200.0	79	49804	No
28	GOM_NL__2PRFIN20110908_054543_000000463106_00221_49804_2366.N1	08-SEP-2011 05:45:43	Dark	45.500	9	Alp Eri	0.45300	24000.	91	49804	No
29	GOM_NL__2PRFIN20110908_055134_000000543106_00221_49804_2367.N1	08-SEP-2011 05:51:34	Straylight	53.500	84	Alp Phe	2.3970	4500.0	107	49804	No
30	GOM_NL__2PRFIN20110908_055707_000000473106_00221_49804_2368.N1	08-SEP-2011 05:57:07	Straylight	46.500	18	24Alp PsA	1.1660	9700.0	93	49804	No
31	GOM_NL__2PRFIN20110908_060604_000000383106_00221_49804_2369.N1	08-SEP-2011 06:06:04	Bright	38.000	162	34Alp Aqr	2.9440	5350.0	76	49804	No
32	GOM_NL__2PRFIN20110908_061519_000000393106_00221_49804_2370.N1	08-SEP-2011 06:15:19	Bright	38.500	164	44Eta Peg	2.9480	5400.0	77	49804	No
33	GOM_NL__2PRFIN20110908_070511_000000573106_00221_49804_2371.N1	08-SEP-2011 07:05:11	Dark	56.500	1	9Alp CMa	-1.4400	11000.	113	49804	No
34	GOM_NL__2PRFIN20110908_070742_000000493106_00221_49804_2372.N1	08-SEP-2011 07:07:42	Dark	48.500	23	21Eps CMa	1.5020	26000.	97	49804	No
35	GOM_NL__2PRFIN20110908_070946_000000463106_00221_49804_2373.N1	08-SEP-2011 07:09:46	Dark	46.000	177	1Zet CMa	3.0220	26000.	92	49804	No
36	GOM_NL__2PRFIN20110908_071300_000000483106_00221_49804_2374.N1	08-SEP-2011 07:13:00	Dark	47.500	108	Alp Col	2.6520	15200.	95	49804	No
37	GOM_NL__2PRFIN20110908_072436_000000403106_00222_49805_2377.N1	08-SEP-2011 07:24:36	Dark	40.000	143	Alp Hyi	2.8570	7200.0	80	49805	No
38	GOM_NL__2PRFIN20110908_072558_000000553106_00222_49805_2378.N1	08-SEP-2011 07:25:58	Dark	55.000	9	Alp Eri	0.45300	24000.	110	49805	No
39	GOM_NL__2PRFIN20110908_073148_000000433106_00222_49805_2379.N1	08-SEP-2011 07:31:48	Straylight	43.000	84	Alp Phe	2.3970	4500.0	86	49805	No
40	GOM_NL__2PRFIN20110908_073722_000000453106_00222_49805_2380.N1	08-SEP-2011 07:37:22	Straylight	44.500	18	24Alp PsA	1.1660	9700.0	89	49805	No
41	GOM_NL__2PRFIN20110908_074618_000000383106_00222_49805_2381.N1	08-SEP-2011 07:46:18	Bright	37.500	162	34Alp Aqr	2.9440	5350.0	75	49805	No
42	GOM_NL__2PRFIN20110908_082858_000000413106_00222_49805_2382.N1	08-SEP-2011 08:28:58	Bright	40.500	24	66Alp Gem	1.5800	10200.	81	49805	No

43	GOM_NL__2PRFIN20110908_084526_000000573106_00222_49805_2383.N1	08-SEP-2011 08:45:26	Dark	56.500	1	9Alp CMa	-1.4400	11000.	113	49805	No
44	GOM_NL__2PRFIN20110908_084757_000000423106_00222_49805_2384.N1	08-SEP-2011 08:47:57	Dark	42.000	23	21Eps CMa	1.5020	26000.	84	49805	No
45	GOM_NL__2PRFIN20110908_085001_000000453106_00222_49805_2385.N1	08-SEP-2011 08:50:01	Dark	45.000	177	1Zet CMa	3.0220	26000.	90	49805	No
46	GOM_NL__2PRFIN20110908_085315_000000493106_00222_49805_2386.N1	08-SEP-2011 08:53:15	Dark	48.500	108	Alp Col	2.6520	15200.	97	49805	No
47	GOM_NL__2PRFIN20110908_090450_000000413106_00223_49806_2414.N1	08-SEP-2011 09:04:50	Dark	41.000	143	Alp Hyi	2.8570	7200.0	82	49806	No
48	GOM_NL__2PRFIN20110908_090612_000000553106_00223_49806_2415.N1	08-SEP-2011 09:06:12	Dark	55.000	9	Alp Eri	0.45300	24000.	110	49806	No
49	GOM_NL__2PRFIN20110908_091203_000000503106_00223_49806_2416.N1	08-SEP-2011 09:12:03	Straylight	50.000	84	Alp Phe	2.3970	4500.0	100	49806	No
50	GOM_NL__2PRFIN20110908_091736_000000463106_00223_49806_2417.N1	08-SEP-2011 09:17:36	Straylight	46.000	18	24Alp PsA	1.1660	9700.0	92	49806	No
51	GOM_NL__2PRFIN20110908_092632_000000383106_00223_49806_2418.N1	08-SEP-2011 09:26:32	Bright	37.500	162	34Alp Aqr	2.9440	5350.0	75	49806	No
52	GOM_NL__2PRFIN20110908_102541_000000603106_00223_49806_2419.N1	08-SEP-2011 10:25:41	Dark	59.500	1	9Alp CMa	-1.4400	11000.	119	49806	No
53	GOM_NL__2PRFIN20110908_102811_000000493106_00223_49806_2420.N1	08-SEP-2011 10:28:11	Dark	48.500	23	21Eps CMa	1.5020	26000.	97	49806	No
54	GOM_NL__2PRFIN20110908_103016_000000453106_00223_49806_2421.N1	08-SEP-2011 10:30:16	Dark	44.500	177	1Zet CMa	3.0220	26000.	89	49806	No
55	GOM_NL__2PRFIN20110908_103330_000000503106_00223_49806_2422.N1	08-SEP-2011 10:33:30	Dark	50.000	108	Alp Col	2.6520	15200.	100	49806	No
56	GOM_NL__2PRFIN20110908_104504_000000393106_00224_49807_2496.N1	08-SEP-2011 10:45:04	Dark	39.000	143	Alp Hyi	2.8570	7200.0	78	49807	No
57	GOM_NL__2PRFIN20110908_104627_000000513106_00224_49807_2497.N1	08-SEP-2011 10:46:27	Dark	50.500	9	Alp Eri	0.45300	24000.	101	49807	No
58	GOM_NL__2PRFIN20110908_105217_000000523106_00224_49807_2498.N1	08-SEP-2011 10:52:17	Straylight	52.000	84	Alp Phe	2.3970	4500.0	104	49807	No
59	GOM_NL__2PRFIN20110908_105750_000000453106_00224_49807_2499.N1	08-SEP-2011 10:57:50	Straylight	45.000	18	24Alp PsA	1.1660	9700.0	90	49807	No
60	GOM_NL__2PRFIN20110908_110646_000000383106_00224_49807_2500.N1	08-SEP-2011 11:06:46	Bright	38.000	162	34Alp Aqr	2.9440	5350.0	76	49807	No
61	GOM_NL__2PRFIN20110908_111600_000000383106_00224_49807_2501.N1	08-SEP-2011 11:16:00	Bright	38.000	164	44Eta Peg	2.9480	5400.0	76	49807	No
62	GOM_NL__2PRFIN20110908_120555_000000553106_00224_49807_2502.N1	08-SEP-2011 12:05:55	Dark	54.500	1	9Alp CMa	-1.4400	11000.	109	49807	No
63	GOM_NL__2PRFIN20110908_120826_000000473106_00224_49807_2503.N1	08-SEP-2011 12:08:26	Dark	46.500	23	21Eps CMa	1.5020	26000.	93	49807	No
64	GOM_NL__2PRFIN20110908_121031_000000433106_00224_49807_2504.N1	08-SEP-2011 12:10:31	Dark	43.000	177	1Zet CMa	3.0220	26000.	86	49807	No
65	GOM_NL__2PRFIN20110908_121345_000000513106_00224_49807_2505.N1	08-SEP-2011 12:13:45	Dark	51.000	108	Alp Col	2.6520	15200.	102	49807	No
66	GOM_NL__2PRFIN20110908_122519_000000413106_00225_49808_2562.N1	08-SEP-2011 12:25:19	Dark	40.500	143	Alp Hyi	2.8570	7200.0	81	49808	No
67	GOM_NL__2PRFIN20110908_123231_000000513106_00225_49808_2563.N1	08-SEP-2011 12:32:31	Straylight	50.500	84	Alp Phe	2.3970	4500.0	101	49808	No
68	GOM_NL__2PRFIN20110908_123804_000000473106_00225_49808_2564.N1	08-SEP-2011 12:38:04	Straylight	46.500	18	24Alp PsA	1.1660	9700.0	93	49808	No
69	GOM_NL__2PRFIN20110908_124700_000000383106_00225_49808_2565.N1	08-SEP-2011 12:47:00	Bright	38.000	162	34Alp Aqr	2.9440	5350.0	76	49808	No
70	GOM_NL__2PRFIN20110908_133749_000000483106_00225_49808_2566.N1	08-SEP-2011 13:37:49	Twilight	48.000	8	10Alp CMi	0.40000	6500.0	96	49808	No
71	GOM_NL__2PRFIN20110908_134610_000000523106_00225_49808_2567.N1	08-SEP-2011 13:46:10	Dark	52.000	1	9Alp CMa	-1.4400	11000.	104	49808	No
72	GOM_NL__2PRFIN20110908_134840_000000463106_00225_49808_2568.N1	08-SEP-2011 13:48:40	Dark	45.500	23	21Eps CMa	1.5020	26000.	91	49808	No
73	GOM_NL__2PRFIN20110908_135046_000000453106_00225_49808_2569.N1	08-SEP-2011 13:50:46	Dark	44.500	177	1Zet CMa	3.0220	26000.	89	49808	No
74	GOM_NL__2PRFIN20110908_135400_000000493106_00225_49808_2570.N1	08-SEP-2011 13:54:00	Dark	49.000	108	Alp Col	2.6520	15200.	98	49808	No
75	GOM_NL__2PRFIN20110908_140533_000000403106_00226_49809_2595.N1	08-SEP-2011 14:05:33	Dark	39.500	143	Alp Hyi	2.8570	7200.0	79	49809	No
76	GOM_NL__2PRFIN20110908_140656_000000423106_00226_49809_2596.N1	08-SEP-2011 14:06:56	Dark	41.500	9	Alp Eri	0.45300	24000.	83	49809	No
77	GOM_NL__2PRFIN20110908_141246_000000503106_00226_49809_2597.N1	08-SEP-2011 14:12:46	Straylight	50.000	84	Alp Phe	2.3970	4500.0	100	49809	No
78	GOM_NL__2PRFIN20110908_141818_000000483106_00226_49809_2598.N1	08-SEP-2011 14:18:18	Straylight	48.000	18	24Alp PsA	1.1660	9700.0	96	49809	No
79	GOM_NL__2PRFIN20110908_142714_000000373106_00226_49809_2599.N1	08-SEP-2011 14:27:14	Bright	37.000	162	34Alp Aqr	2.9440	5350.0	74	49809	No
80	GOM_NL__2PRFIN20110908_150955_000000413106_00226_49809_2600.N1	08-SEP-2011 15:09:55	Bright	41.000	24	66Alp Gem	1.5800	10200.	82	49809	No
81	GOM_NL__2PRFIN20110908_151804_000000503106_00226_49809_2601.N1	08-SEP-2011 15:18:04	Twilight	50.000	8	10Alp CMi	0.40000	6500.0	100	49809	No
82	GOM_NL__2PRFIN20110908_152625_000000543106_00226_49809_2602.N1	08-SEP-2011 15:26:25	Dark	54.000	1	9Alp CMa	-1.4400	11000.	108	49809	No
83	GOM_NL__2PRFIN20110908_152855_000000483106_00226_49809_2603.N1	08-SEP-2011 15:28:55	Dark	47.500	23	21Eps CMa	1.5020	26000.	95	49809	No
84	GOM_NL__2PRFIN20110908_153100_000000453106_00226_49809_2604.N1	08-SEP-2011 15:31:00	Dark	45.000	177	1Zet CMa	3.0220	26000.	90	49809	No
85	GOM_NL__2PRFIN20110908_153415_000000493106_00226_49809_2605.N1	08-SEP-2011 15:34:15	Dark	48.500	108	Alp Col	2.6520	15200.	97	49809	No
86	GOM_NL__2PRFIN20110908_154548_000000403106_00227_49810_2634.N1	08-SEP-2011 15:45:48	Dark	39.500	143	Alp Hyi	2.8570	7200.0	79	49810	No
87	GOM_NL__2PRFIN20110908_154710_000000433106_00227_49810_2635.N1	08-SEP-2011 15:47:10	Dark	43.000	9	Alp Eri	0.45300	24000.	86	49810	No
88	GOM_NL__2PRFIN20110908_155300_000000493106_00227_49810_2636.N1	08-SEP-2011 15:53:00	Straylight	48.500	84	Alp Phe	2.3970	4500.0	97	49810	No
89	GOM_NL__2PRFIN20110908_161228_000000433106_00227_49810_2637.N1	08-SEP-2011 16:12:28	Bright	42.500	90	54Alp Peg	2.4870	11000.	85	49810	No
90	GOM_NL__2PRFIN20110908_161641_000000413106_00227_49810_2638.N1	08-SEP-2011 16:16:41	Bright	40.500	164	44Eta Peg	2.9480	5400.0	81	49810	No
91	GOM_NL__2PRFIN20110908_162656_000000413106_00227_49810_2639.N1	08-SEP-2011 16:26:56	Bright	41.000	74	11Bet Cas	2.2680	6600.0	82	49810	No
92	GOM_NL__2PRFIN20110908_165818_000000493106_00227_49810_2640.N1	08-SEP-2011 16:58:18	Twilight	49.000	8	10Alp CMi	0.40000	6500.0	98	49810	No
93	GOM_NL__2PRFIN20110908_170640_000000553106_00227_49810_2641.N1	08-SEP-2011 17:06:40	Dark	55.000	1	9Alp CMa	-1.4400	11000.	110	49810	No
94	GOM_NL__2PRFIN20110908_170910_000000473106_00227_49810_2642.N1	08-SEP-2011 17:09:10	Dark	47.000	23	21Eps CMa	1.5020	26000.	94	49810	No
95	GOM_NL__2PRFIN20110908_171116_000000483106_00227_49810_2643.N1	08-SEP-2011 17:11:16	Dark	47.500	177	1Zet CMa	3.0220	26000.	95	49810	No
96	GOM_NL__2PRFIN20110908_171430_000000483106_00227_49810_2644.N1	08-SEP-2011 17:14:30	Dark	48.000	108	Alp Col	2.6520	15200.	96	49810	No
97	GOM_NL__2PRFIN20110908_172602_000000413106_00228_49811_2658.N1	08-SEP-2011 17:26:02	Dark	40.500	143	Alp Hyi	2.8570	7200.0	81	49811	No
98	GOM_NL__2PRFIN20110908_172725_000000443106_00228_49811_2659.N1	08-SEP-2011 17:27:25	Dark	44.000	9	Alp Eri	0.45300	24000.	88	49811	No
99	GOM_NL__2PRFIN20110908_173315_000000443106_00228_49811_2660.N1	08-SEP-2011 17:33:15	Straylight	43.500	84	Alp Phe	2.3970	4500.0	87	49811	No
100	GOM_NL__2PRFIN20110908_173847_000000463106_00228_49811_2661.N1	08-SEP-2011 17:38:47	Straylight	46.000	18	24Alp PsA	1.1660	9700.0	92	49811	No
101	GOM_NL__2PRFIN20110908_175242_000000433106_00228_49811_2662.N1	08-SEP-2011 17:52:42	Bright	42.500	90	54Alp Peg	2.4870	11000.	85	49811	No

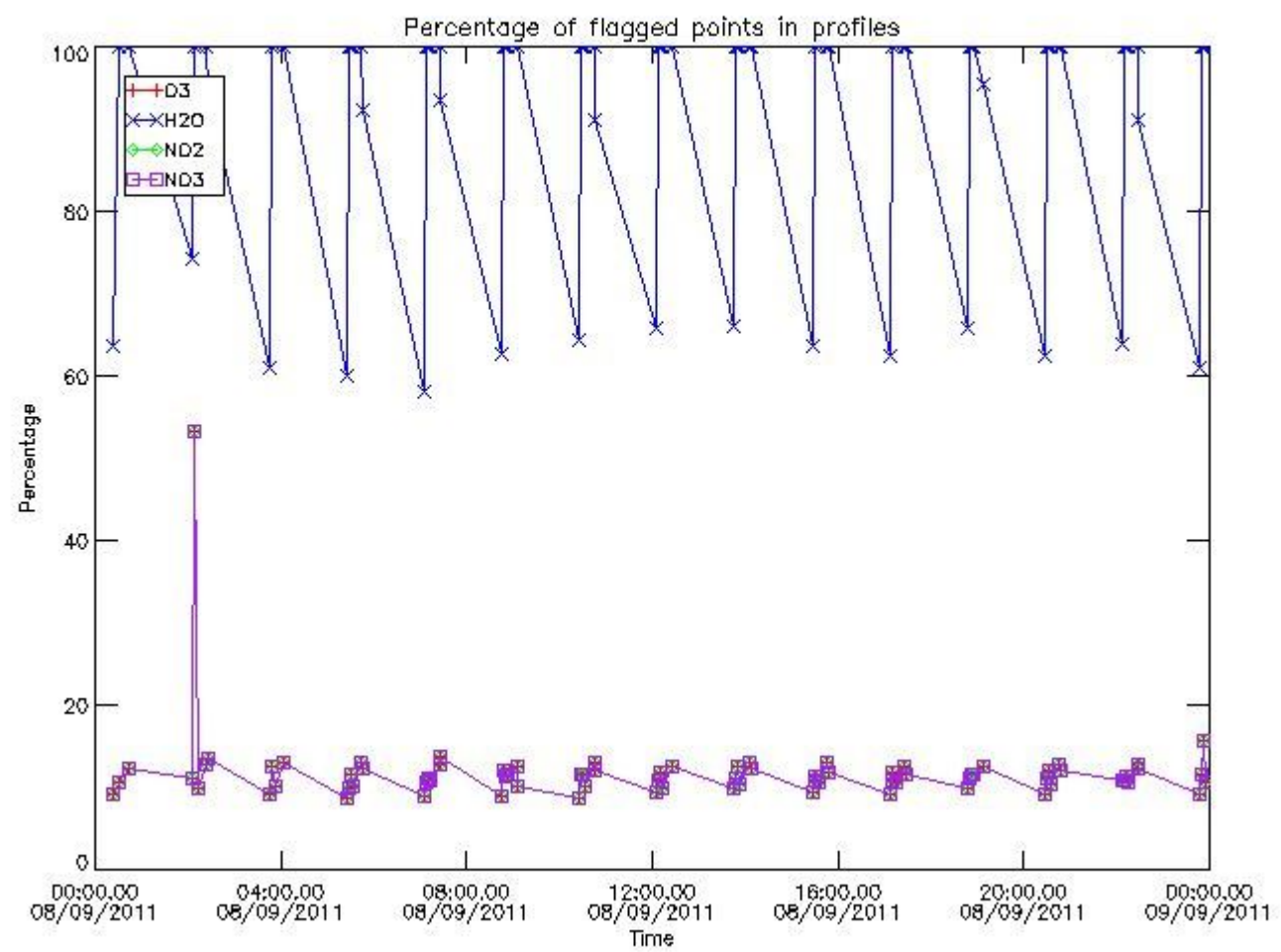


102	GOM_NL__2PRFIN20110908_175655_000000413106_00228_49811_2663.N1	08-SEP-2011 17:56:55	Bright	40.500	164	44Eta Peg	2.9480	5400.0	81	49811	No
103	GOM_NL__2PRFIN20110908_180709_000000433106_00228_49811_2664.N1	08-SEP-2011 18:07:09	Bright	42.500	74	11Bet Cas	2.2680	6600.0	85	49811	No
104	GOM_NL__2PRFIN20110908_183023_000000543106_00228_49811_2665.N1	08-SEP-2011 18:30:23	Bright	54.000	24	66Alp Gem	1.5800	10200.	108	49811	No
105	GOM_NL__2PRFIN20110908_184655_000000523106_00228_49811_2666.N1	08-SEP-2011 18:46:55	Dark	51.500	1	9Alp CMA	-1.4400	11000.	103	49811	No
106	GOM_NL__2PRFIN20110908_184925_000000463106_00228_49811_2667.N1	08-SEP-2011 18:49:25	Dark	45.500	23	21Eps CMA	1.5020	26000.	91	49811	No
107	GOM_NL__2PRFIN20110908_185130_000000443106_00228_49811_2668.N1	08-SEP-2011 18:51:30	Dark	44.000	177	1Zet CMA	3.0220	26000.	88	49811	No
108	GOM_NL__2PRFIN20110908_185445_000000483106_00228_49811_2669.N1	08-SEP-2011 18:54:45	Dark	48.000	108	Alp Col	2.6520	15200.	96	49811	No
109	GOM_NL__2PRFIN20110908_190739_000000453106_00229_49812_2713.N1	08-SEP-2011 19:07:39	Dark	44.500	9	Alp Eri	0.45300	24000.	89	49812	No
110	GOM_NL__2PRFIN20110908_191329_000000453106_00229_49812_2714.N1	08-SEP-2011 19:13:29	Straylight	44.500	84	Alp Phe	2.3970	4500.0	89	49812	No
111	GOM_NL__2PRFIN20110908_191901_000000463106_00229_49812_2715.N1	08-SEP-2011 19:19:01	Straylight	45.500	18	24Alp PsA	1.1660	9700.0	91	49812	No
112	GOM_NL__2PRFIN20110908_193256_000000423106_00229_49812_2716.N1	08-SEP-2011 19:32:56	Bright	42.000	90	54Alp Peg	2.4870	11000.	84	49812	No
113	GOM_NL__2PRFIN20110908_193709_000000403106_00229_49812_2717.N1	08-SEP-2011 19:37:09	Bright	40.000	164	44Eta Peg	2.9480	5400.0	80	49812	No
114	GOM_NL__2PRFIN20110908_194723_000000433106_00229_49812_2718.N1	08-SEP-2011 19:47:23	Bright	42.500	74	11Bet Cas	2.2680	6600.0	85	49812	No
115	GOM_NL__2PRFIN20110908_201037_000000433106_00229_49812_2719.N1	08-SEP-2011 20:10:37	Bright	42.500	24	66Alp Gem	1.5800	10200.	85	49812	No
116	GOM_NL__2PRFIN20110908_201847_000000523106_00229_49812_2720.N1	08-SEP-2011 20:18:47	Twilight	51.500	8	10Alp CMi	0.40000	6500.0	103	49812	No
117	GOM_NL__2PRFIN20110908_202710_000000553106_00229_49812_2721.N1	08-SEP-2011 20:27:10	Dark	55.000	1	9Alp CMA	-1.4400	11000.	110	49812	No
118	GOM_NL__2PRFIN20110908_202939_000000503106_00229_49812_2722.N1	08-SEP-2011 20:29:39	Dark	50.000	23	21Eps CMA	1.5020	26000.	100	49812	No
119	GOM_NL__2PRFIN20110908_203145_000000433106_00229_49812_2723.N1	08-SEP-2011 20:31:45	Dark	42.500	177	1Zet CMA	3.0220	26000.	85	49812	No
120	GOM_NL__2PRFIN20110908_203500_000000503106_00229_49812_2724.N1	08-SEP-2011 20:35:00	Dark	49.500	108	Alp Col	2.6520	15200.	99	49812	No
121	GOM_NL__2PRFIN20110908_204631_000000403106_00230_49813_2722.N1	08-SEP-2011 20:46:31	Dark	40.000	143	Alp Hyi	2.8570	7200.0	80	49813	No
122	GOM_NL__2PRFIN20110908_204754_000000423106_00230_49813_2723.N1	08-SEP-2011 20:47:54	Dark	42.000	9	Alp Eri	0.45300	24000.	84	49813	No
123	GOM_NL__2PRFIN20110908_205344_000000463106_00230_49813_2724.N1	08-SEP-2011 20:53:44	Straylight	45.500	84	Alp Phe	2.3970	4500.0	91	49813	No
124	GOM_NL__2PRFIN20110908_211310_000000423106_00230_49813_2725.N1	08-SEP-2011 21:13:10	Bright	42.000	90	54Alp Peg	2.4870	11000.	84	49813	No
125	GOM_NL__2PRFIN20110908_211723_000000423106_00230_49813_2726.N1	08-SEP-2011 21:17:23	Bright	41.500	164	44Eta Peg	2.9480	5400.0	83	49813	No
126	GOM_NL__2PRFIN20110908_212736_000000433106_00230_49813_2727.N1	08-SEP-2011 21:27:36	Bright	42.500	74	11Bet Cas	2.2680	6600.0	85	49813	No
127	GOM_NL__2PRFIN20110908_212933_000000453106_00230_49813_2728.N1	08-SEP-2011 21:29:33	Bright	44.500	76	27Gam Cas	2.3000	30000.	89	49813	No
128	GOM_NL__2PRFIN20110908_215051_000000433106_00230_49813_2729.N1	08-SEP-2011 21:50:51	Bright	42.500	24	66Alp Gem	1.5800	10200.	85	49813	No
129	GOM_NL__2PRFIN20110908_215345_000000553106_00230_49813_2730.N1	08-SEP-2011 21:53:45	Twilight	55.000	170	27Eps Gem	3.0000	9700.0	110	49813	No
130	GOM_NL__2PRFIN20110908_220724_000000523106_00230_49813_2731.N1	08-SEP-2011 22:07:24	Dark	51.500	1	9Alp CMA	-1.4400	11000.	103	49813	No
131	GOM_NL__2PRFIN20110908_220954_000000483106_00230_49813_2732.N1	08-SEP-2011 22:09:54	Dark	47.500	23	21Eps CMA	1.5020	26000.	95	49813	No
132	GOM_NL__2PRFIN20110908_221200_000000453106_00230_49813_2733.N1	08-SEP-2011 22:12:00	Dark	45.000	177	1Zet CMA	3.0220	26000.	90	49813	No
133	GOM_NL__2PRFIN20110908_221515_000000493106_00230_49813_2734.N1	08-SEP-2011 22:15:15	Dark	48.500	108	Alp Col	2.6520	15200.	97	49813	No
134	GOM_NL__2PRFIN20110908_222646_000000403106_00231_49814_2732.N1	08-SEP-2011 22:26:46	Dark	40.000	143	Alp Hyi	2.8570	7200.0	80	49814	No
135	GOM_NL__2PRFIN20110908_222808_000000463106_00231_49814_2733.N1	08-SEP-2011 22:28:08	Dark	45.500	9	Alp Eri	0.45300	24000.	91	49814	No
136	GOM_NL__2PRFIN20110908_223358_000000473106_00231_49814_2734.N1	08-SEP-2011 22:33:58	Straylight	47.000	84	Alp Phe	2.3970	4500.0	94	49814	No
137	GOM_NL__2PRFIN20110908_223929_000000443106_00231_49814_2735.N1	08-SEP-2011 22:39:29	Straylight	43.500	18	24Alp PsA	1.1660	9700.0	87	49814	No
138	GOM_NL__2PRFIN20110908_225323_000000423106_00231_49814_2736.N1	08-SEP-2011 22:53:23	Bright	41.500	90	54Alp Peg	2.4870	11000.	83	49814	No
139	GOM_NL__2PRFIN20110908_225736_000000393106_00231_49814_2737.N1	08-SEP-2011 22:57:36	Bright	38.500	164	44Eta Peg	2.9480	5400.0	77	49814	No
140	GOM_NL__2PRFIN20110908_230750_000000443106_00231_49814_2738.N1	08-SEP-2011 23:07:50	Bright	43.500	74	11Bet Cas	2.2680	6600.0	87	49814	No
141	GOM_NL__2PRFIN20110908_230946_000000453106_00231_49814_2739.N1	08-SEP-2011 23:09:46	Bright	45.000	76	27Gam Cas	2.3000	30000.	90	49814	No
142	GOM_NL__2PRFIN20110908_233105_000000413106_00231_49814_2740.N1	08-SEP-2011 23:31:05	Bright	40.500	24	66Alp Gem	1.5800	10200.	81	49814	No
143	GOM_NL__2PRFIN20110908_233915_000000583106_00231_49814_2741.N1	08-SEP-2011 23:39:15	Twilight	58.000	8	10Alp CMi	0.40000	6500.0	116	49814	No
144	GOM_NL__2PRFIN20110908_234739_000000563106_00231_49814_2742.N1	08-SEP-2011 23:47:39	Dark	55.500	1	9Alp CMA	-1.4400	11000.	111	49814	No
145	GOM_NL__2PRFIN20110908_235008_000000483106_00231_49814_2743.N1	08-SEP-2011 23:50:08	Dark	48.000	23	21Eps CMA	1.5020	26000.	96	49814	No
146	GOM_NL__2PRFIN20110908_235215_000000463106_00231_49814_2744.N1	08-SEP-2011 23:52:15	Dark	45.500	177	1Zet CMA	3.0220	26000.	91	49814	No
147	GOM_NL__2PRFIN20110908_235530_000000493106_00231_49814_2745.N1	08-SEP-2011 23:55:30	Dark	48.500	108	Alp Col	2.6520	15200.	97	49814	No

### 3. Quality information per product

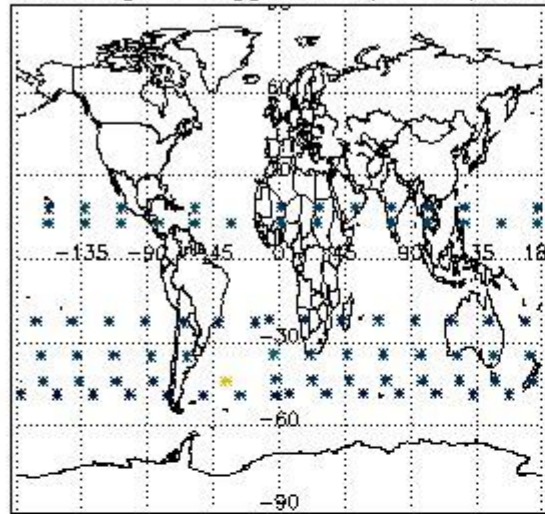
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

#### 3.1 Plot quality information per product (time dependant)

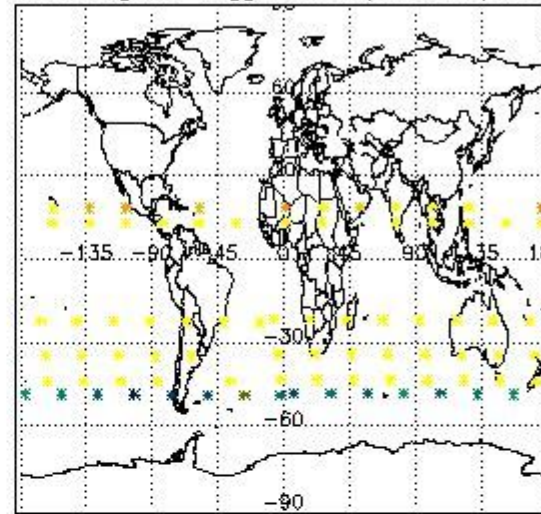


3.2 Plot quality information per product (world map)

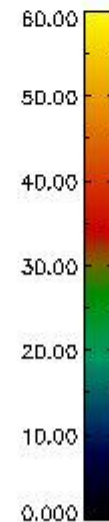
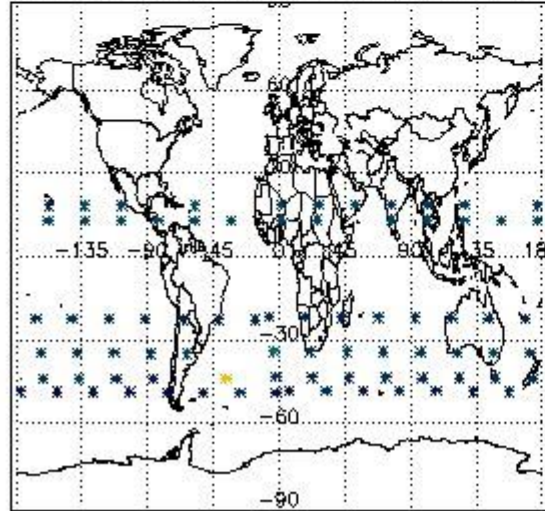
Percentage of flagged data per O3 profile



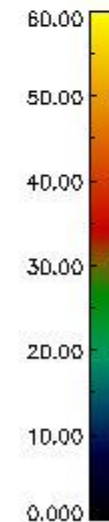
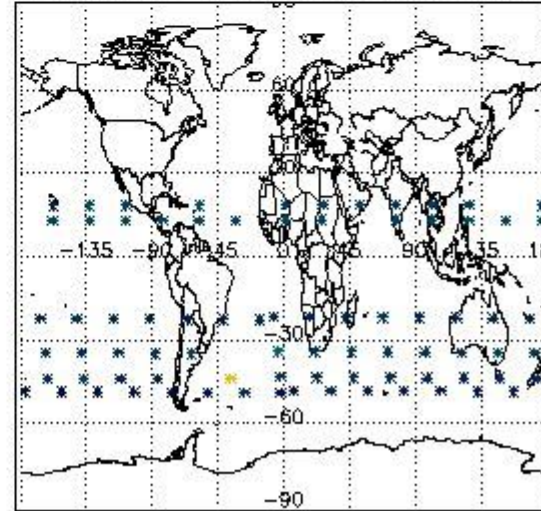
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile



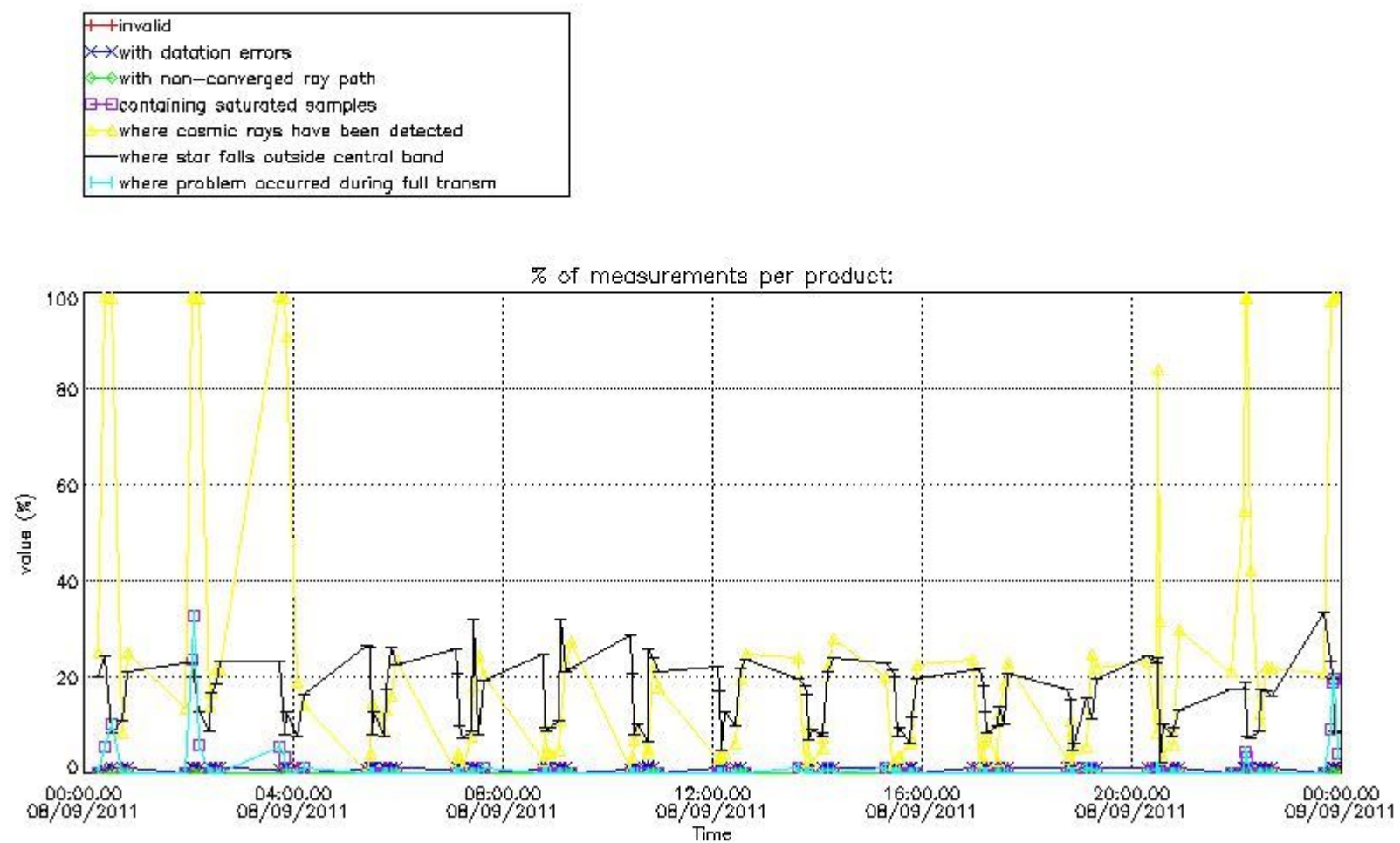
#### 4. Level 1 quality information per product

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

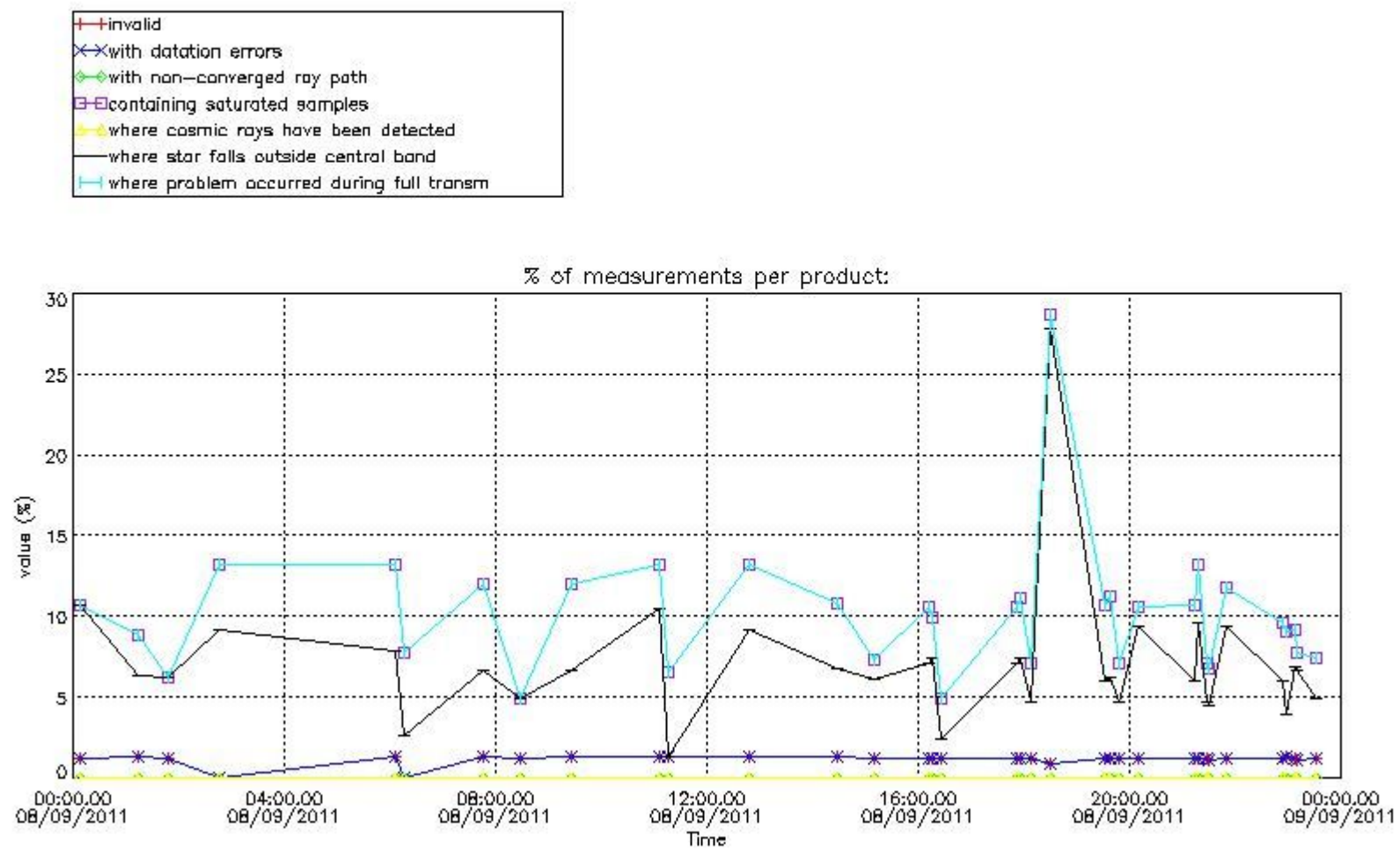
##### 4.1.1 Plot level 1 quality information per product (time dependant): ENVISAT ASCENDING passes





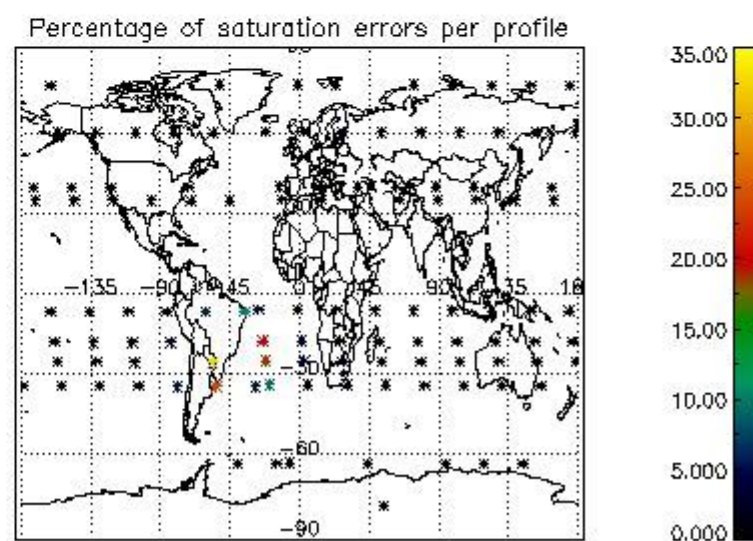
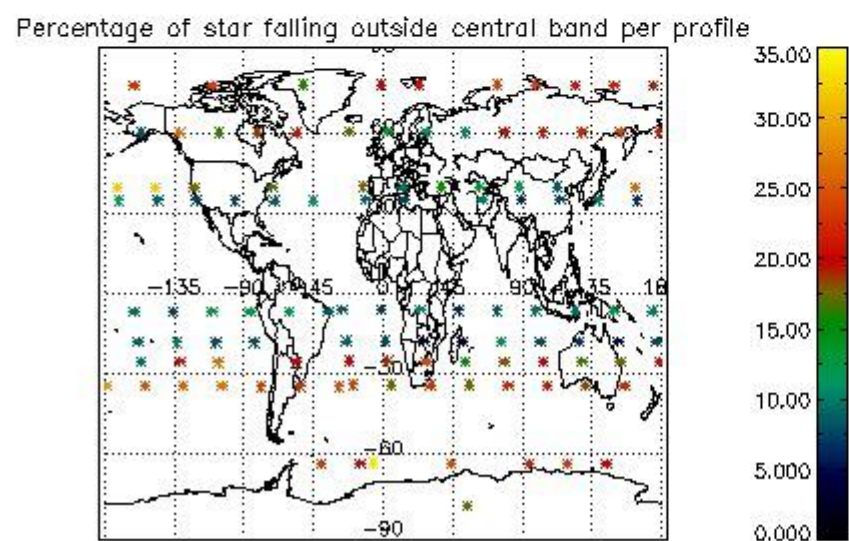
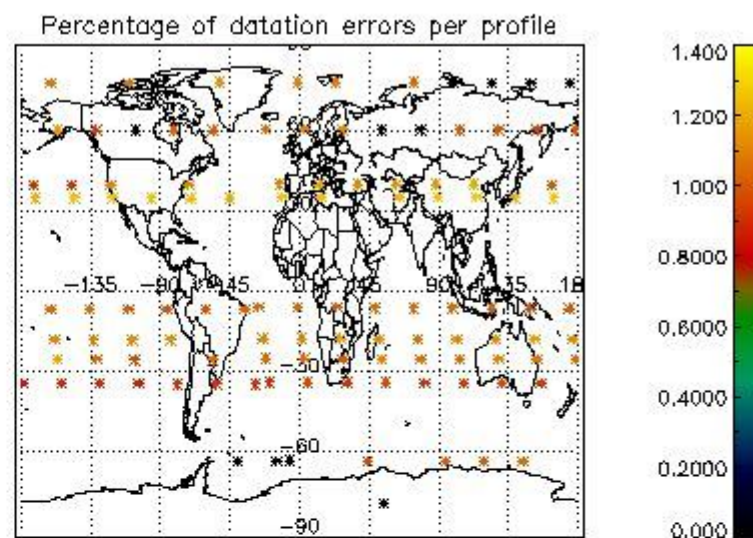
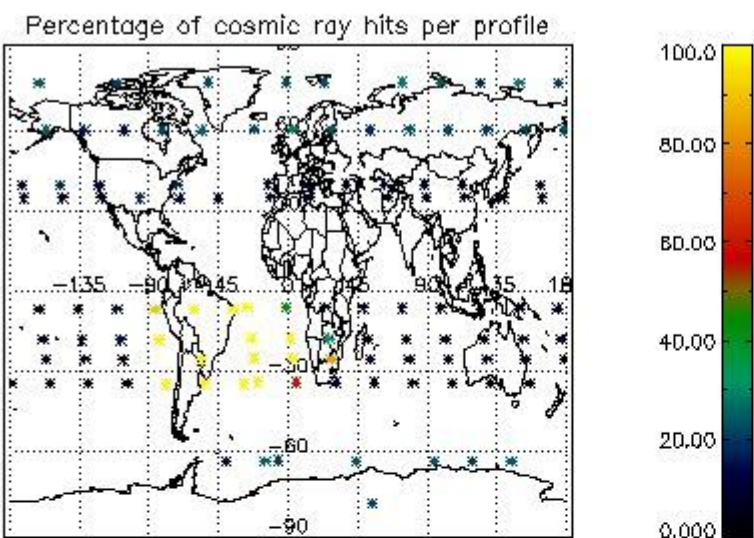
4.1.2 Plot level 1 quality information per product (time dependant): ENVISAT DESCENDING passes





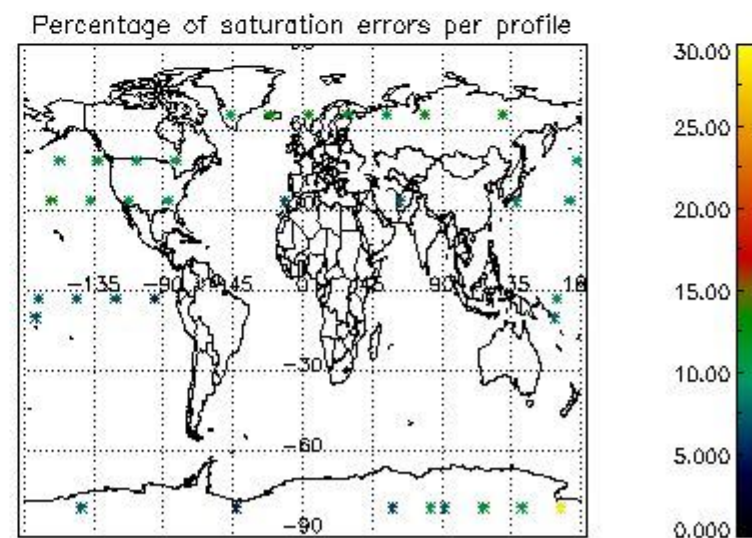
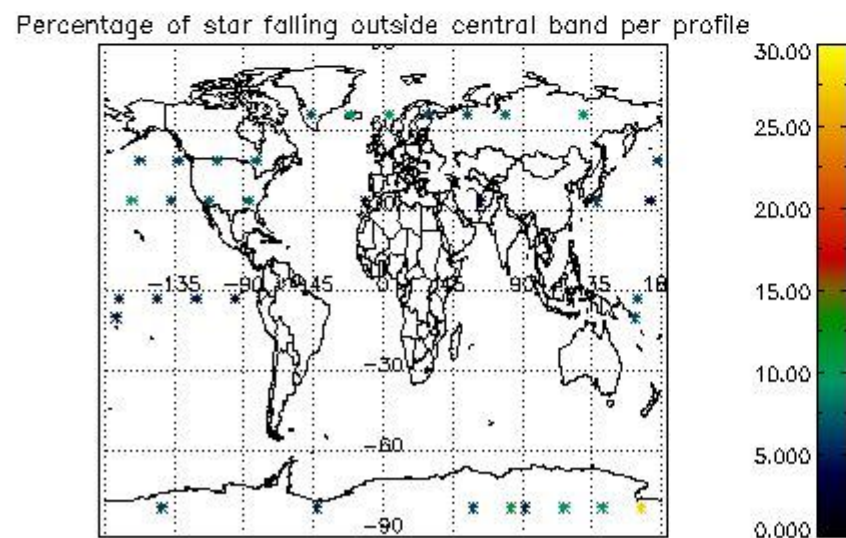
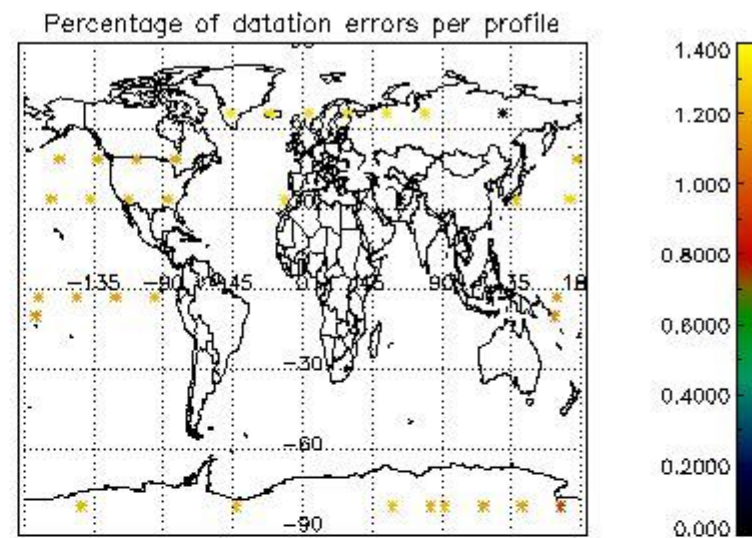
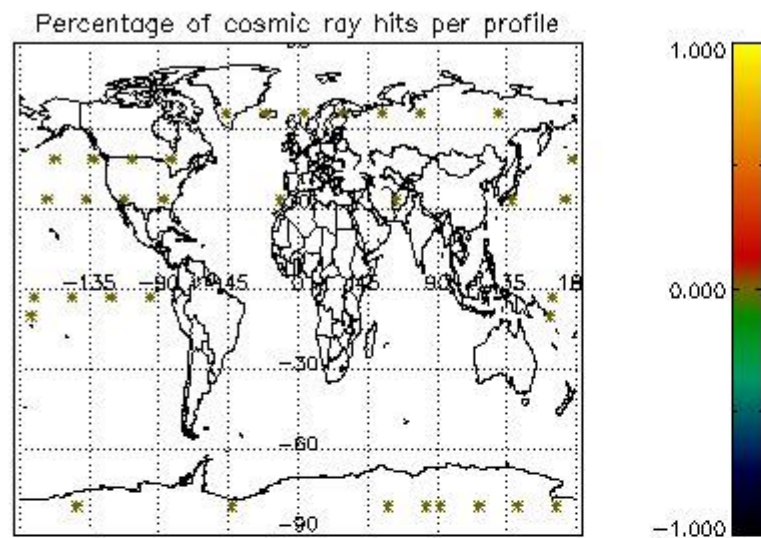
*4.2 Plot quality information per product coming from level 1b processing (world map)*

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



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





## 5. Trace gas profiles

### 5.1 Ozone statistics based on quality of products

The final quality of the products can be "measured" using the STD (Standard Deviation) attached to every point profile. This information is written to the parameter GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/o3\_std of the level 2 products. The table below shows the statistics for given STD ranges.

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

- Products without fatal errors: GOM\_NL\_\_2P/MPH/PRODUCT\_ERR=0
- Valid point profile: GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/pcd(0)=0

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

- Products in dark limb illumination condition: GOM\_NL\_\_2P/NL\_SUMMARY\_QUALITY/obs\_ill\_cond=0
- Products without fatal errors: GOM\_NL\_\_2P/MPH/PRODUCT\_ERR=0
- Valid point profile: GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/pcd(0)=0

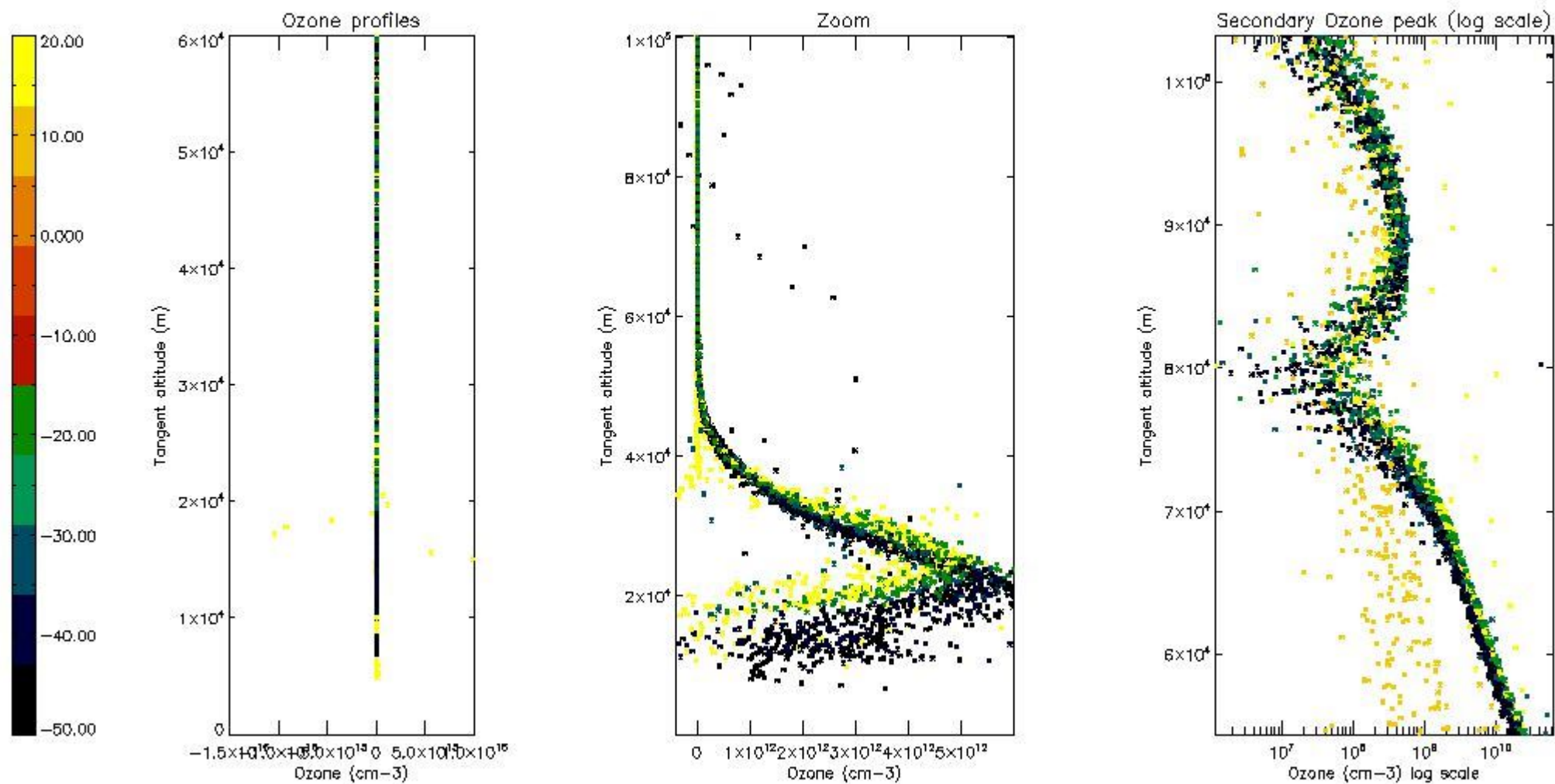
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	56
STD < 20	33

STD < 10	28
STD < 5	20

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

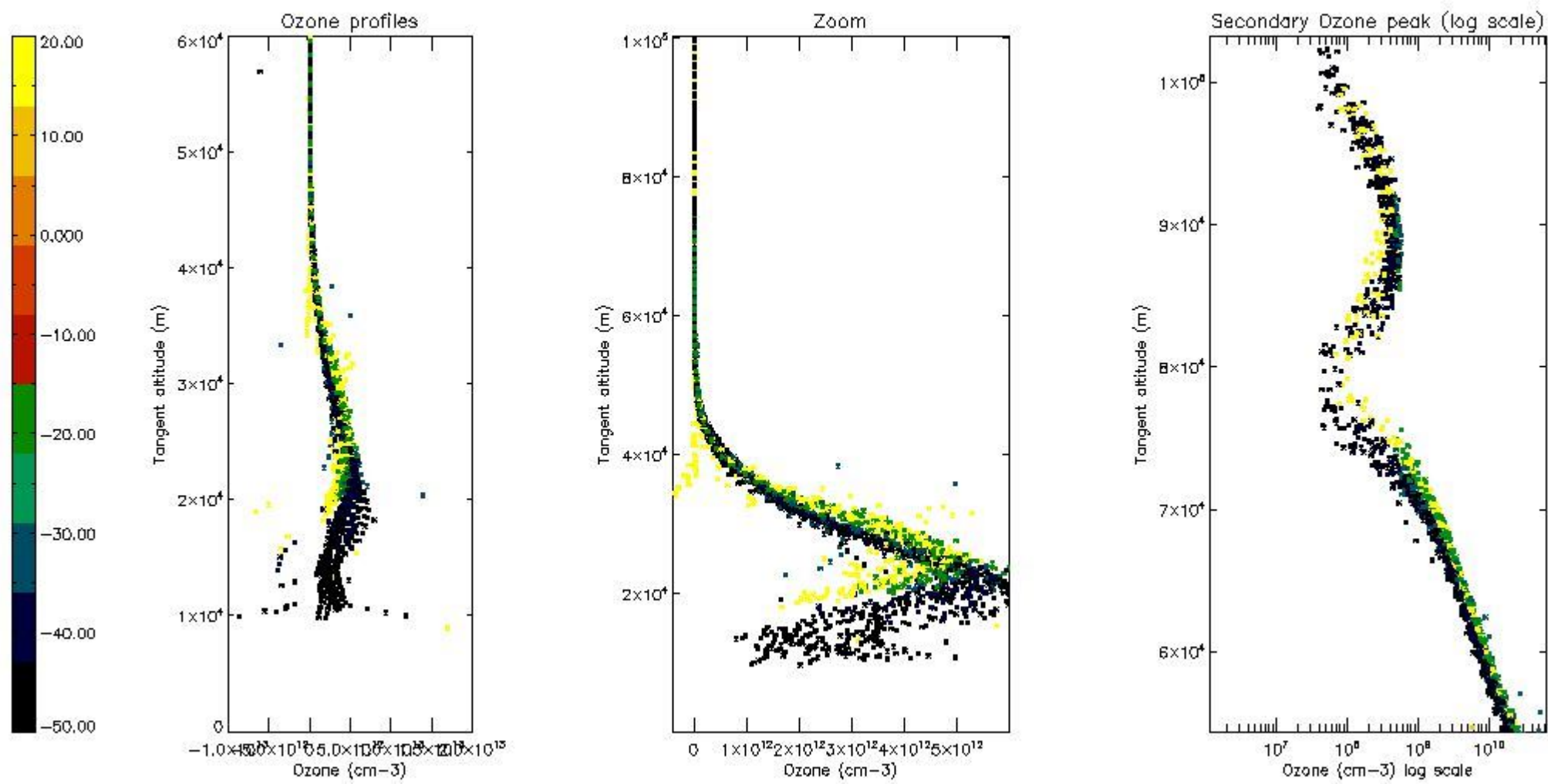
The colorbar represents the latitude.



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

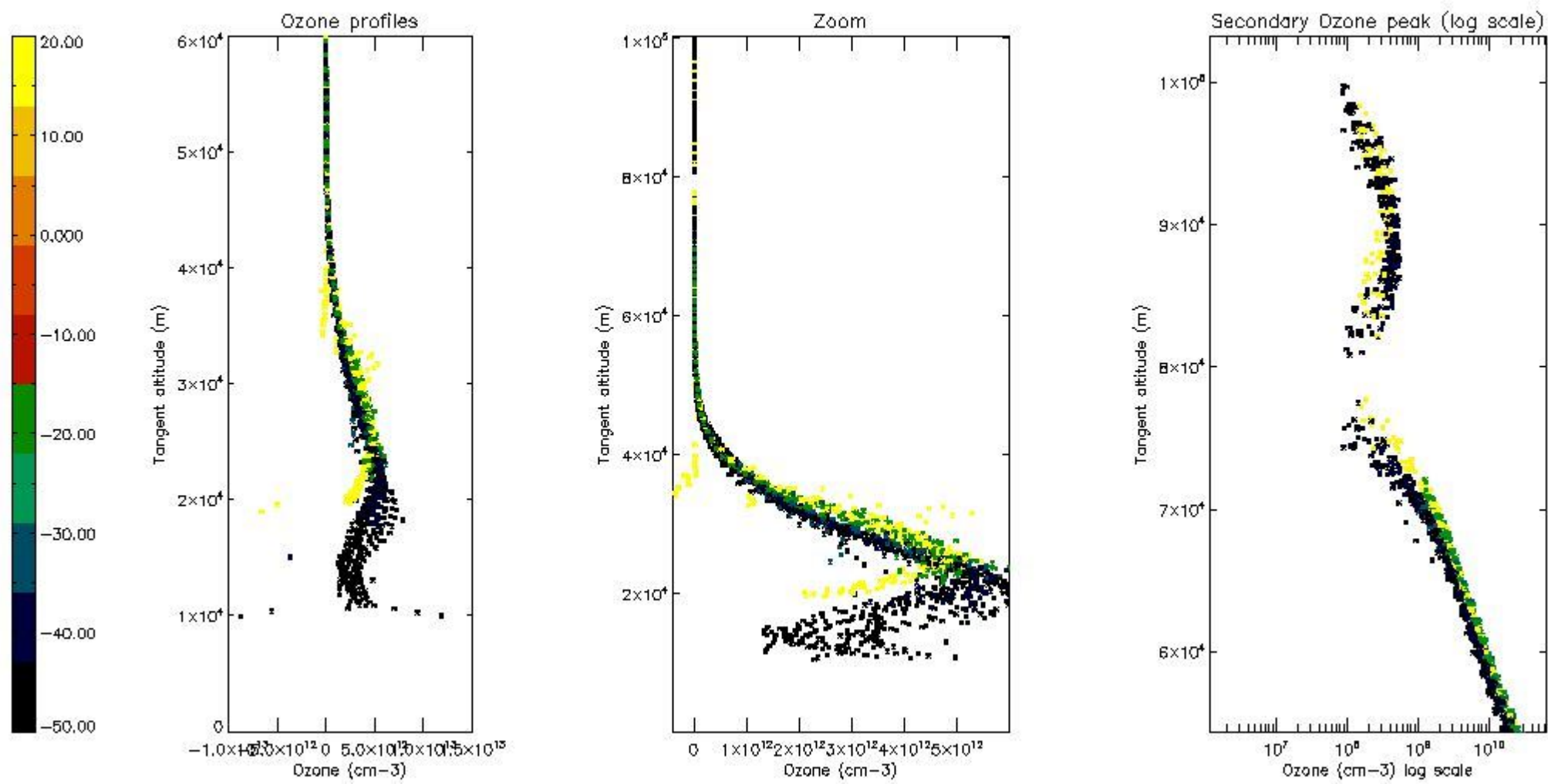
The colorbar represents the latitude.





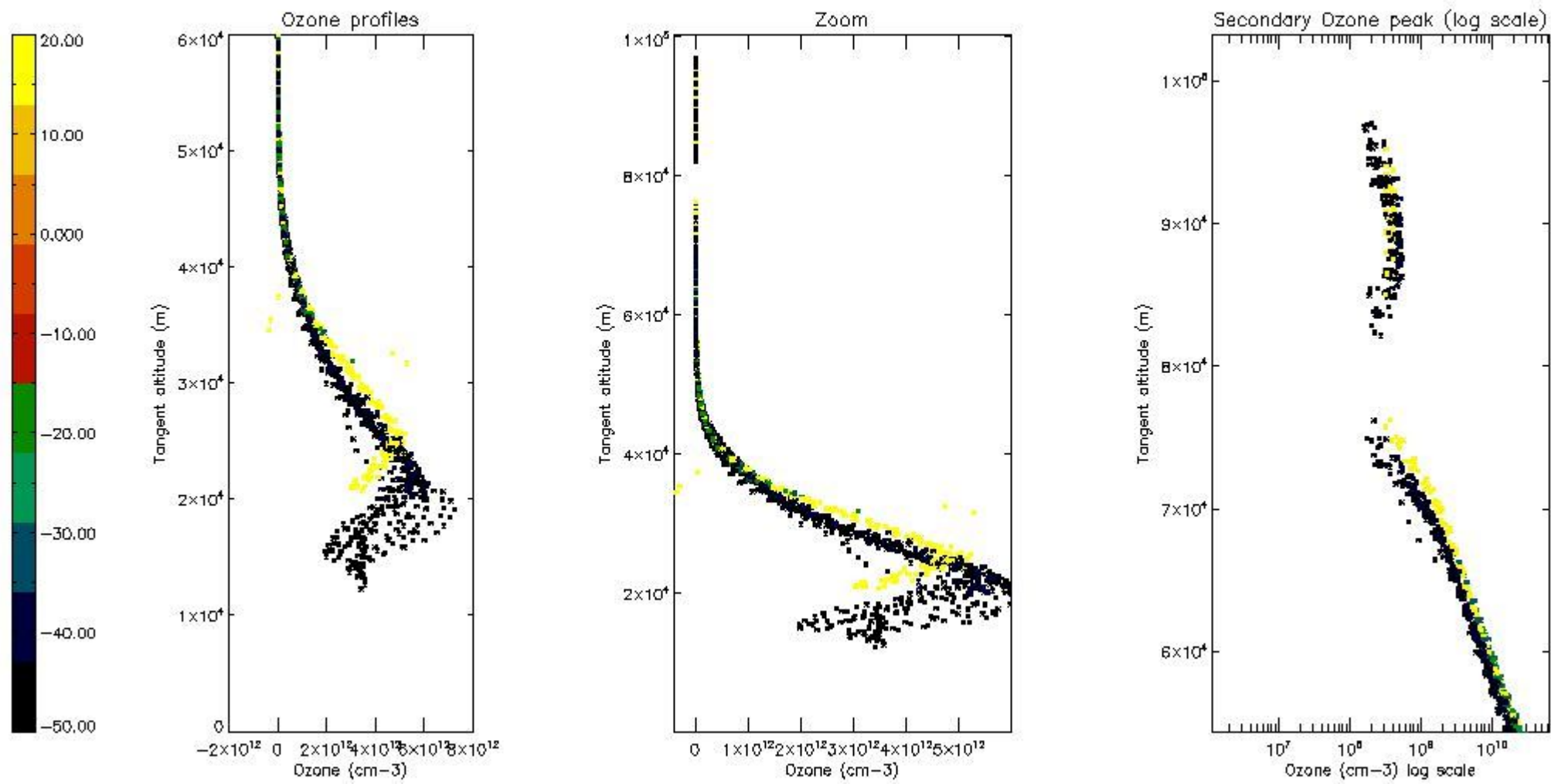
*5.4 Plot ozone profiles where STD < 10% (dark without errors)*

The colorbar represents the latitude.



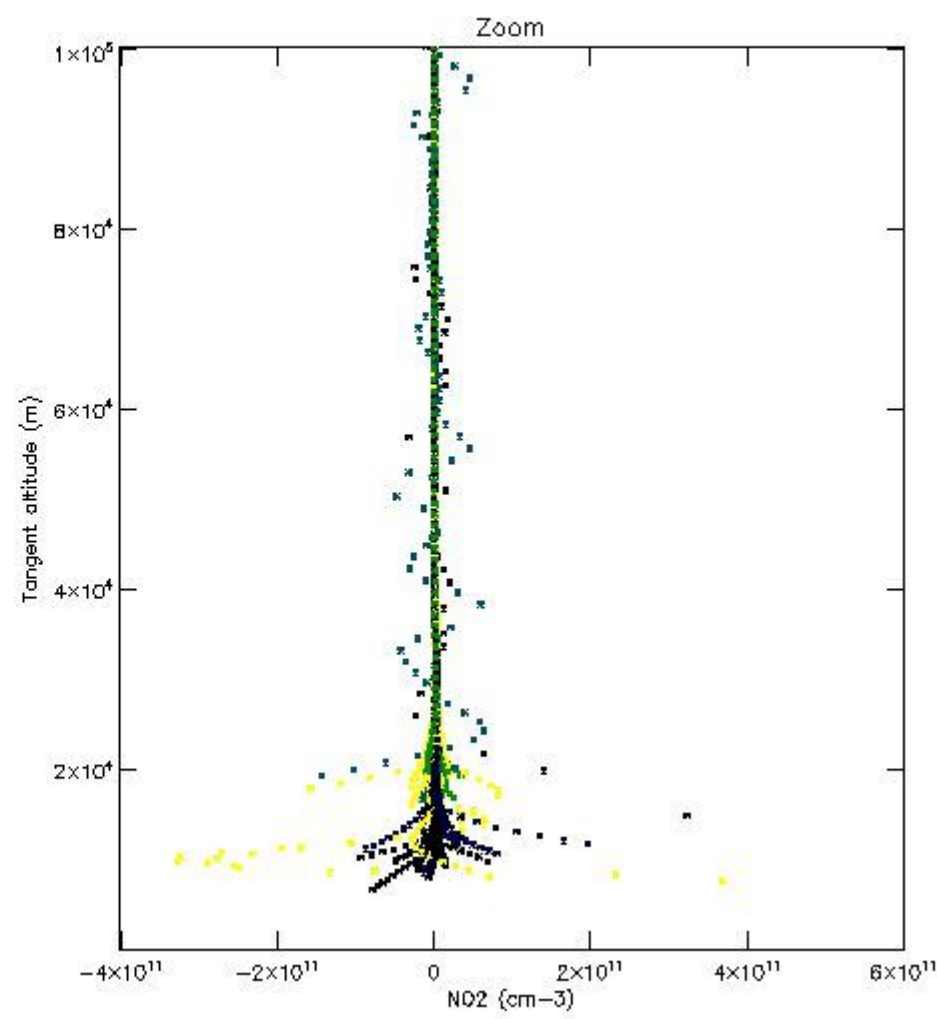
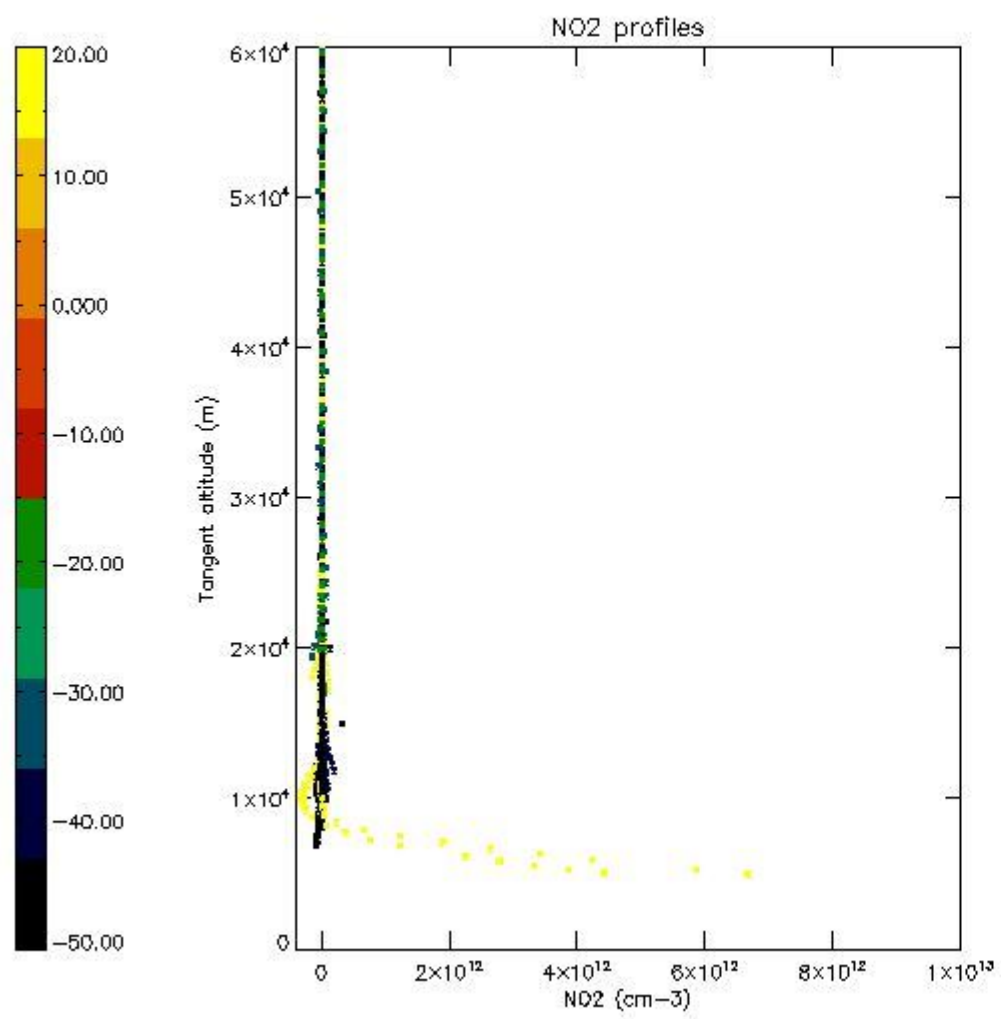
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

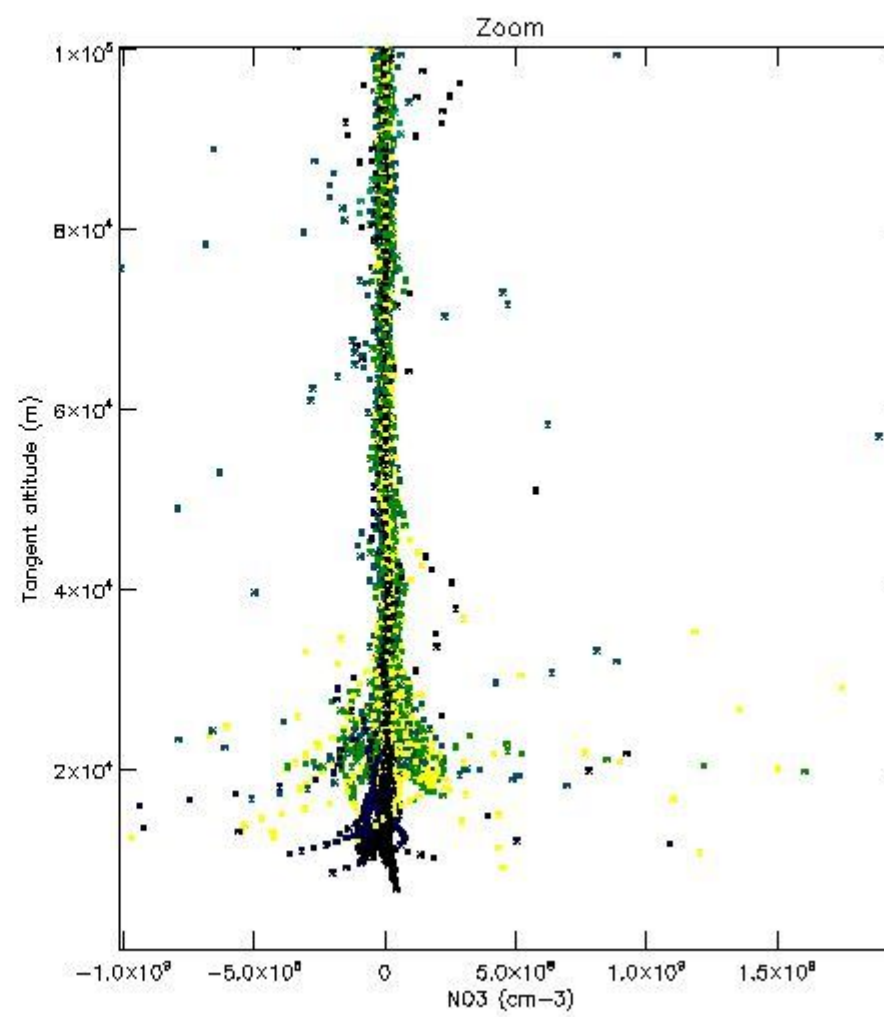
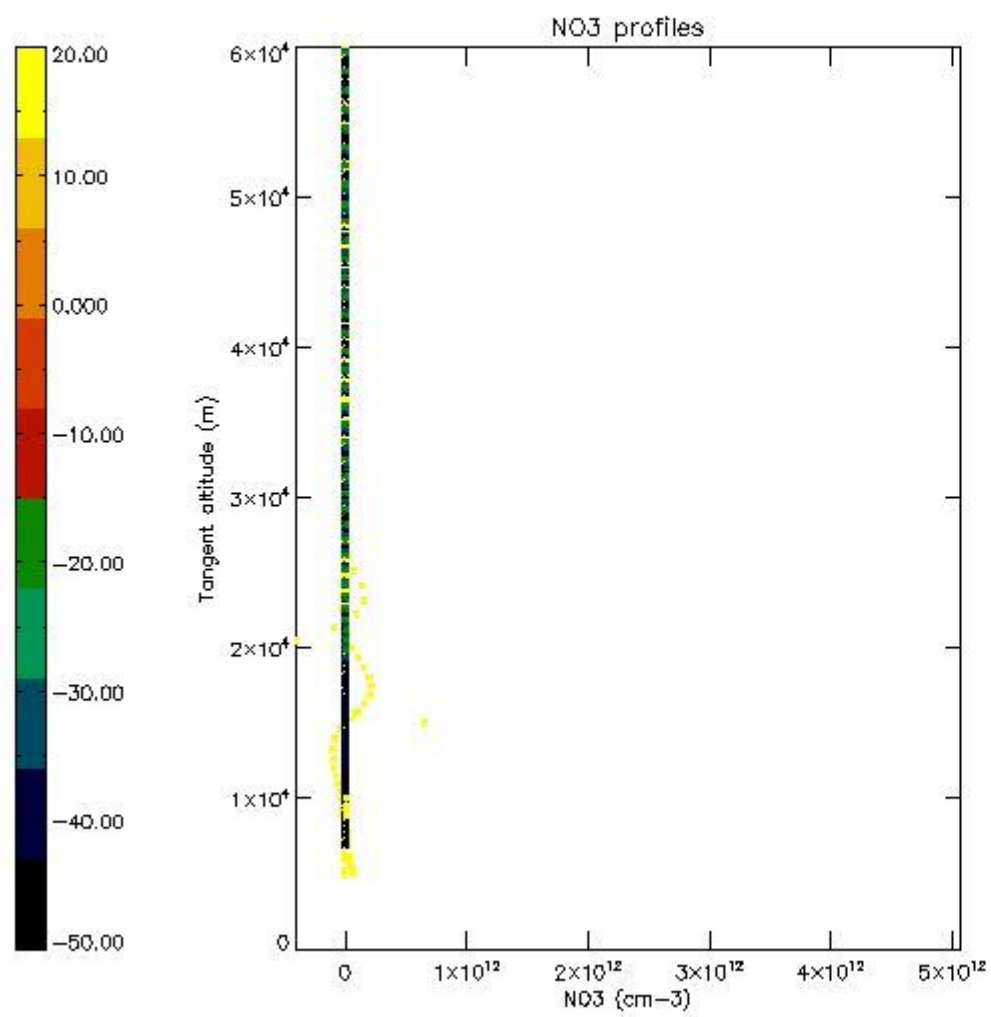
The colorbar represents the latitude.



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

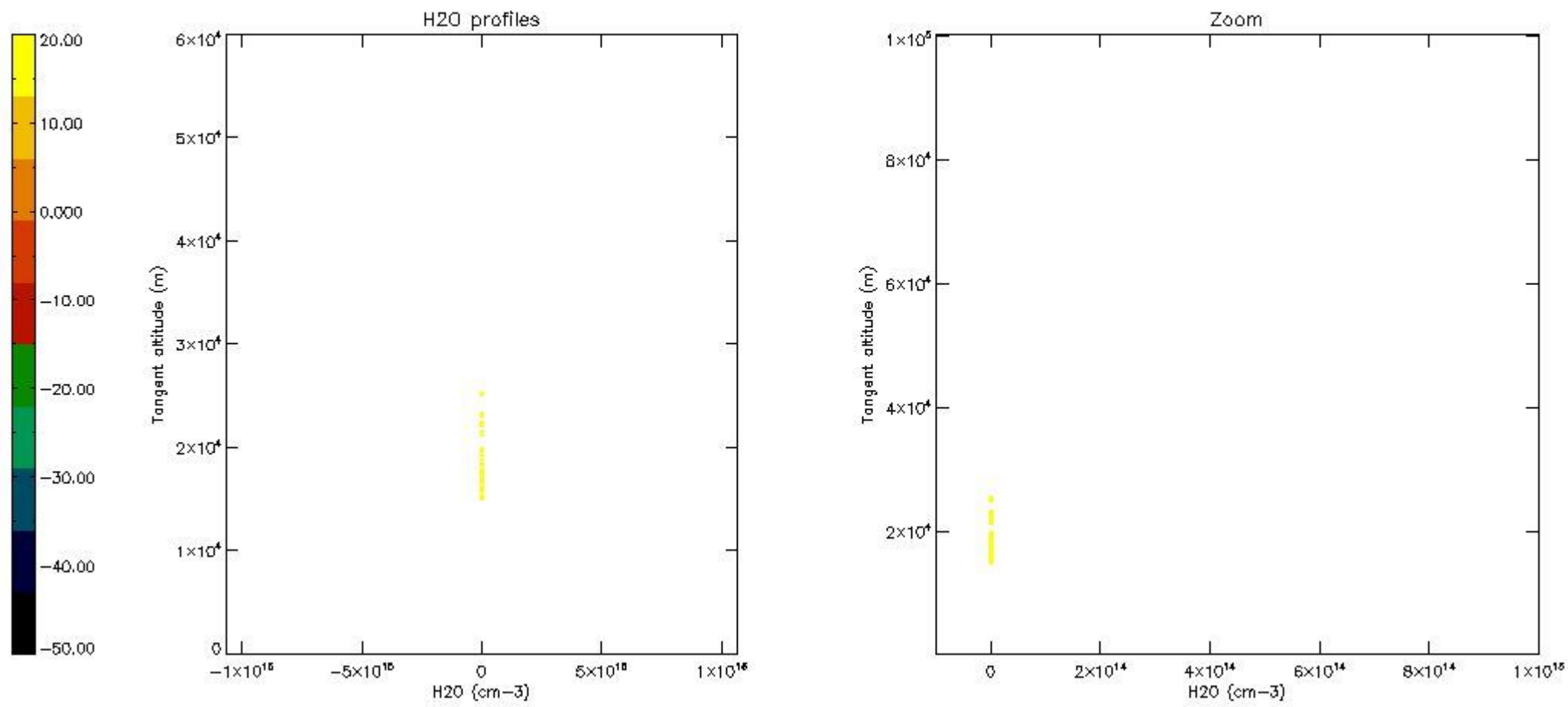
The colorbar represents the latitude.





*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)*

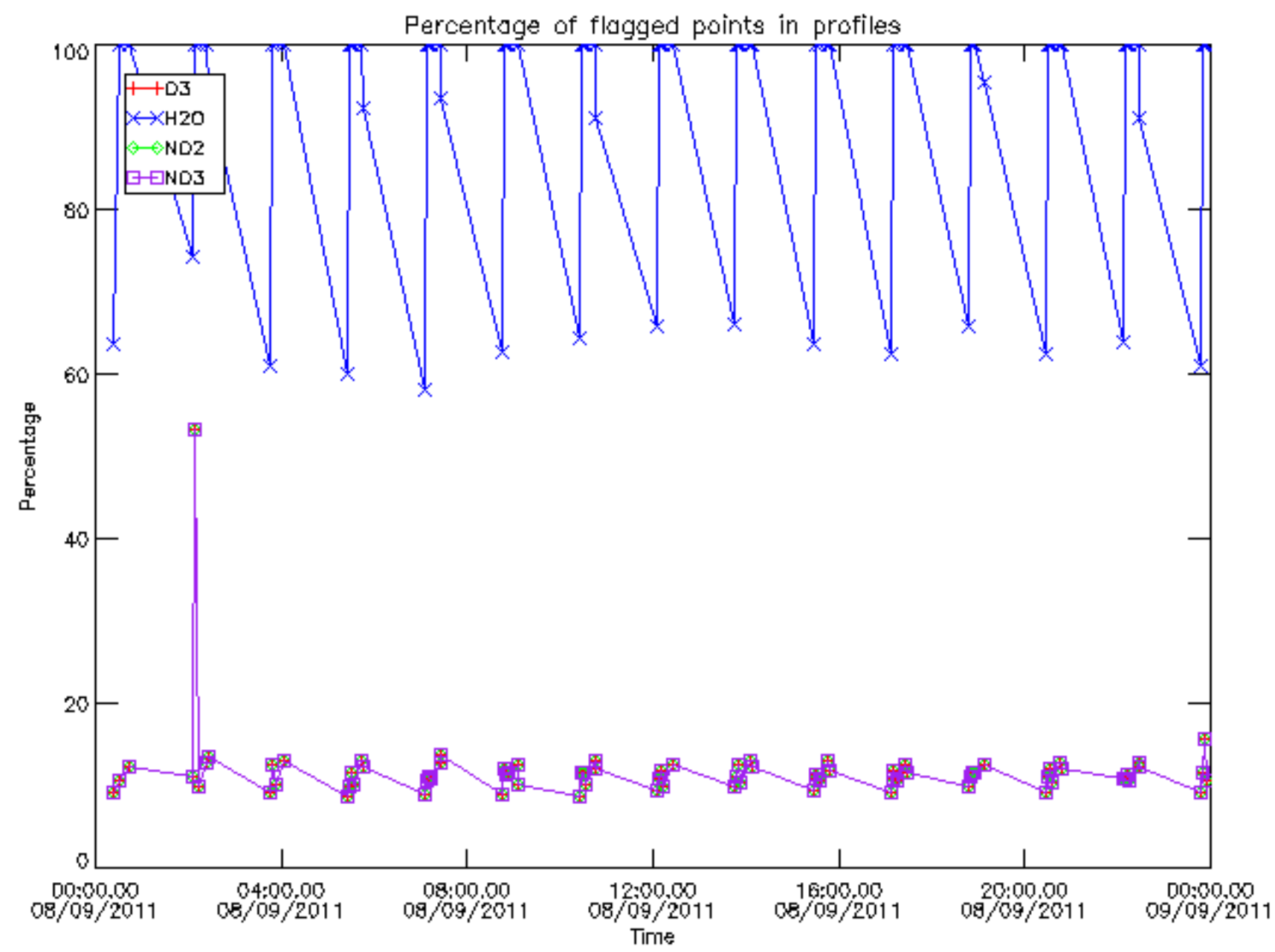
The colorbar represents the latitude.



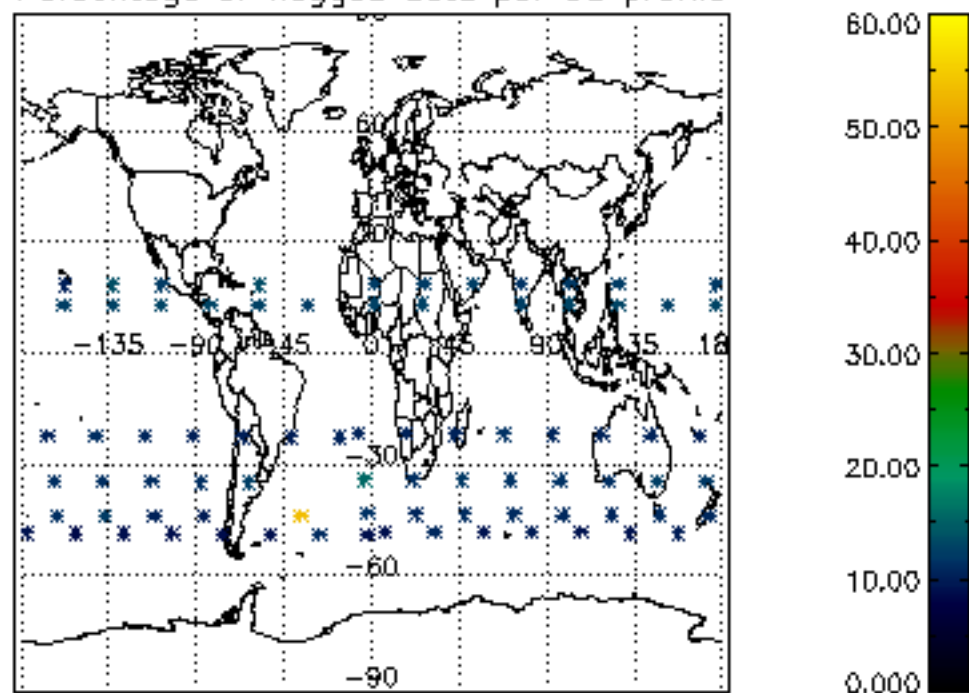
## 6. Auxiliary Data Files used for the production reported in section 2

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.

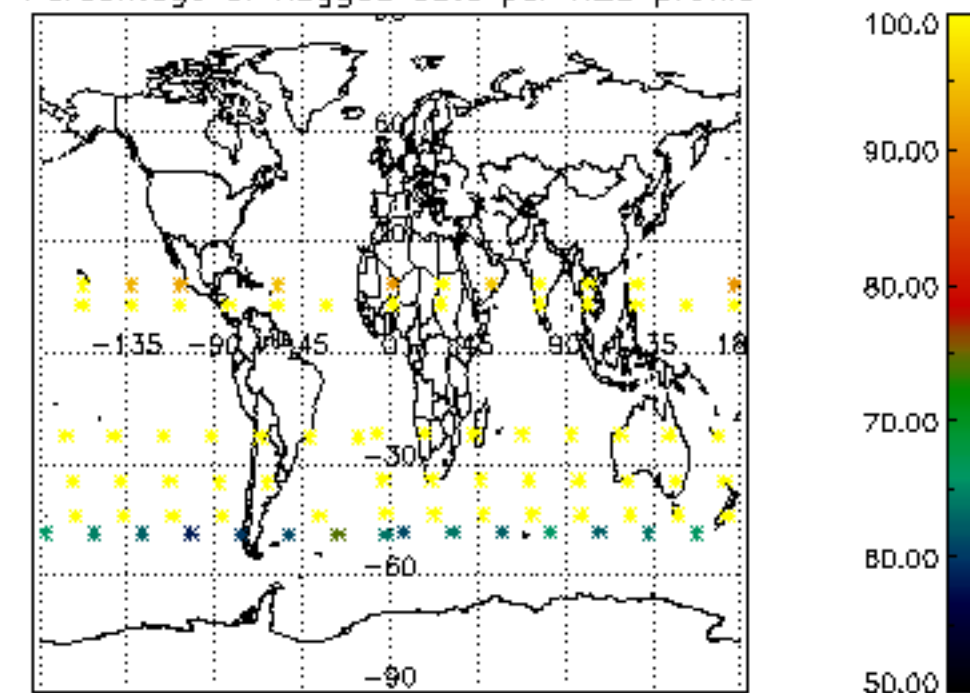
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	08-SEP-2011 00:07:48
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	08-SEP-2011 00:07:48
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	08-SEP-2011 00:07:48



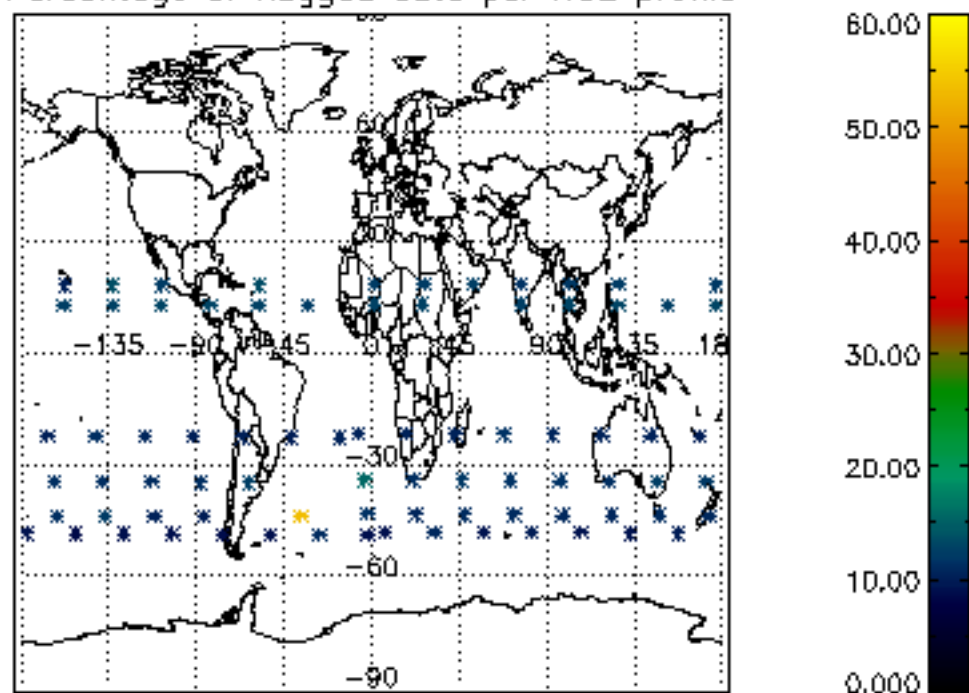
Percentage of flagged data per D3 profile



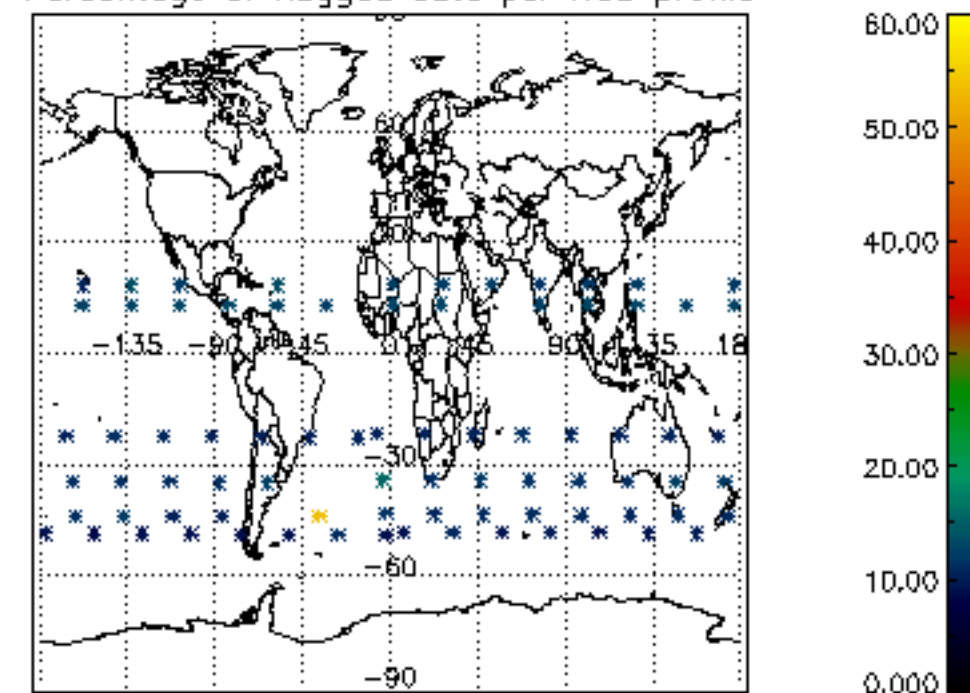
Percentage of flagged data per H2O profile



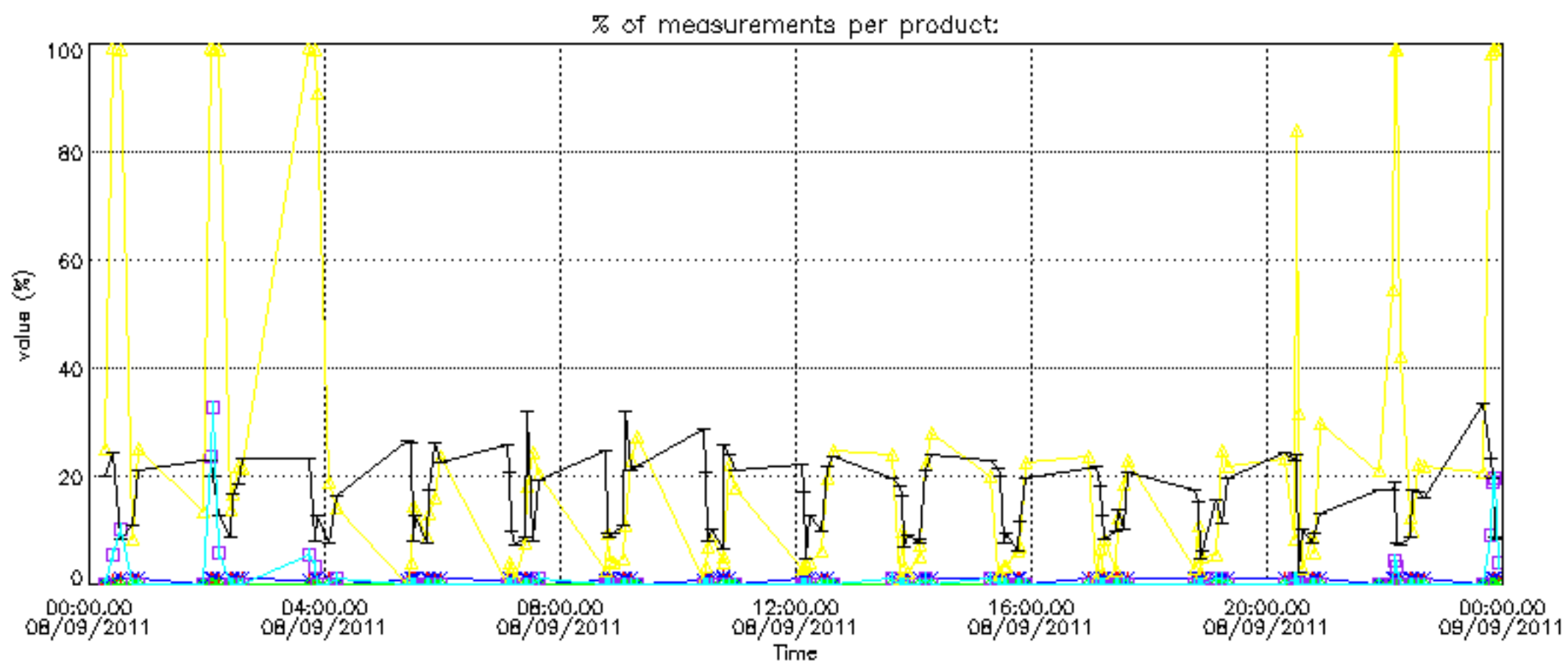
Percentage of flagged data per NO2 profile

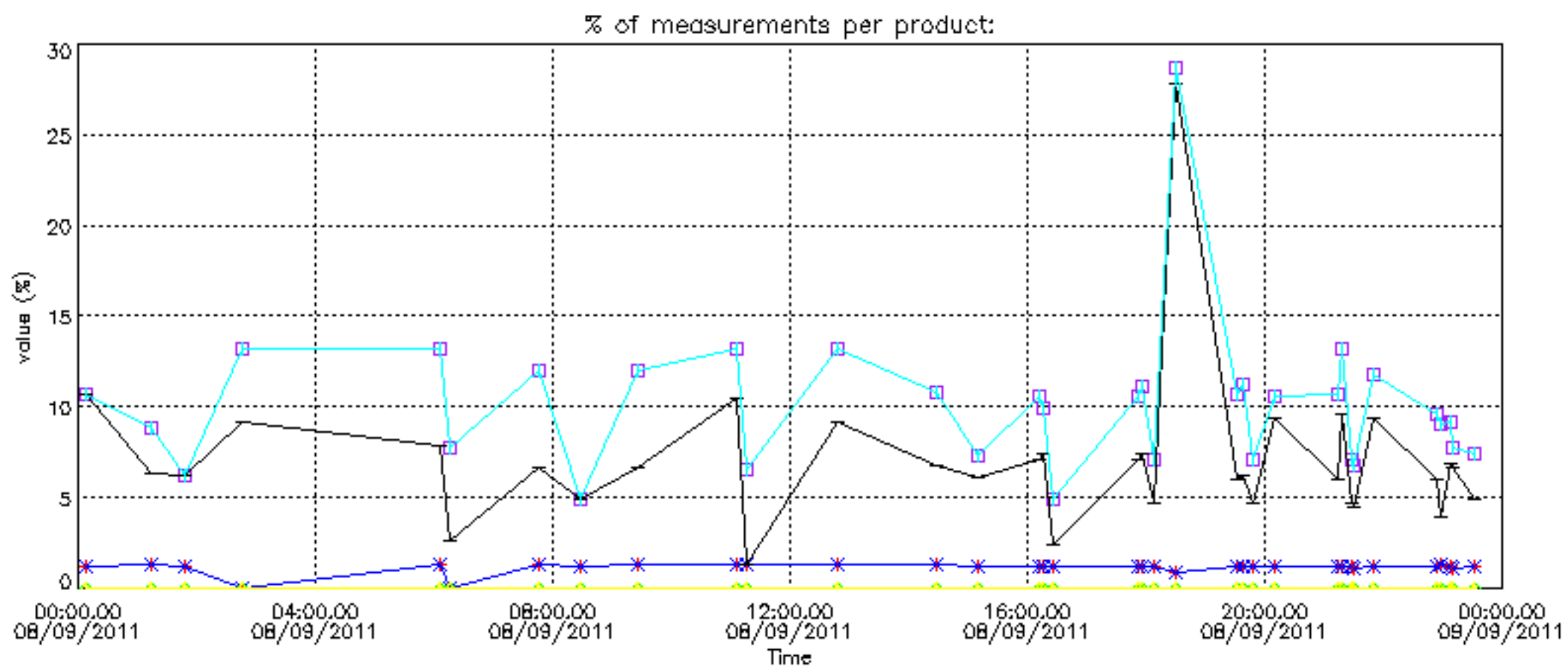


Percentage of flagged data per NO3 profile

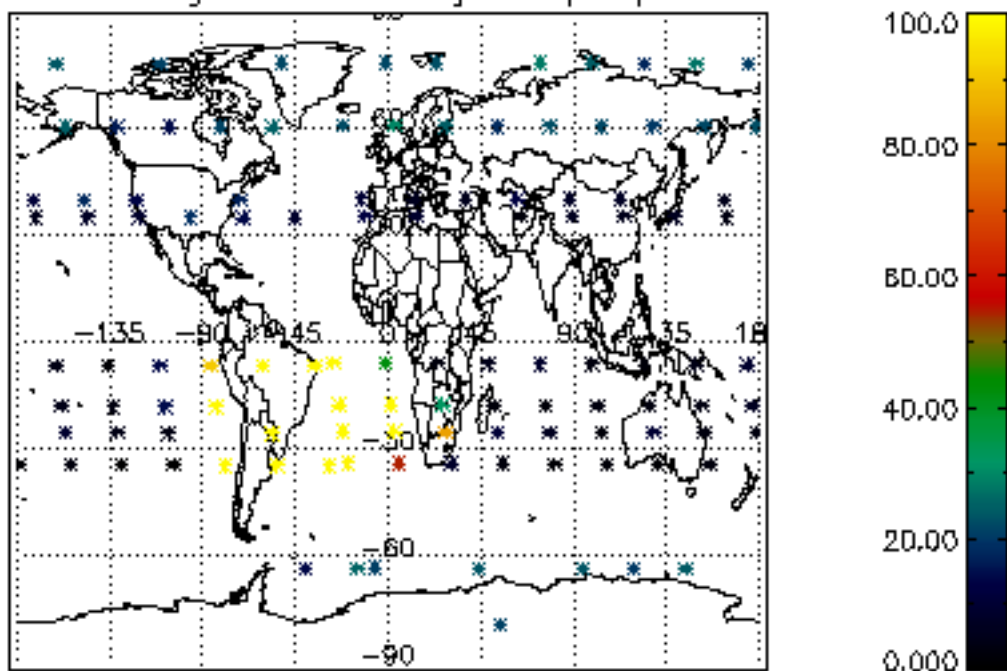




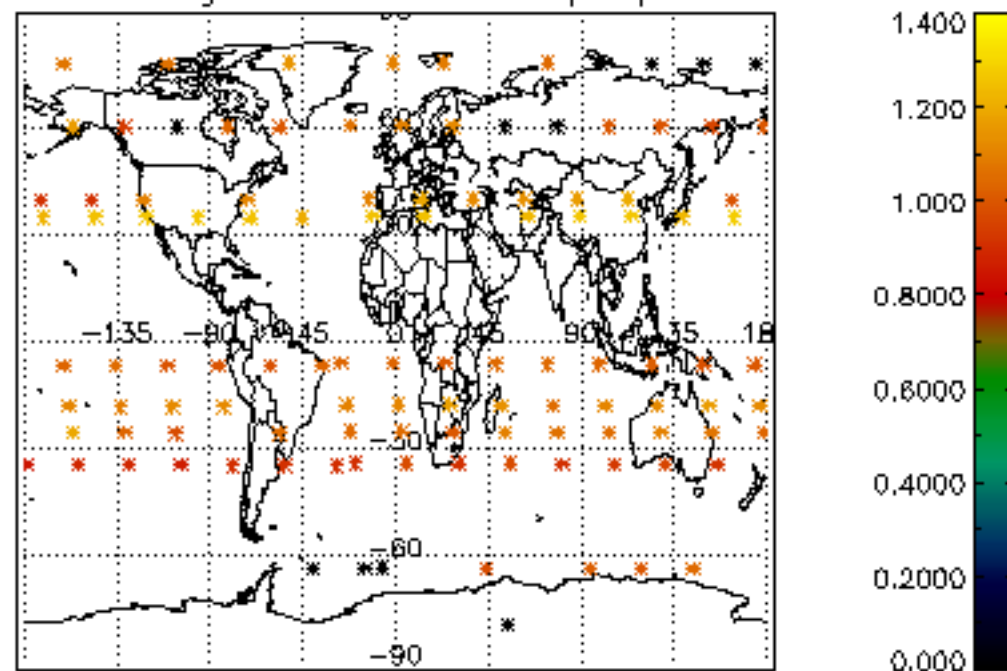




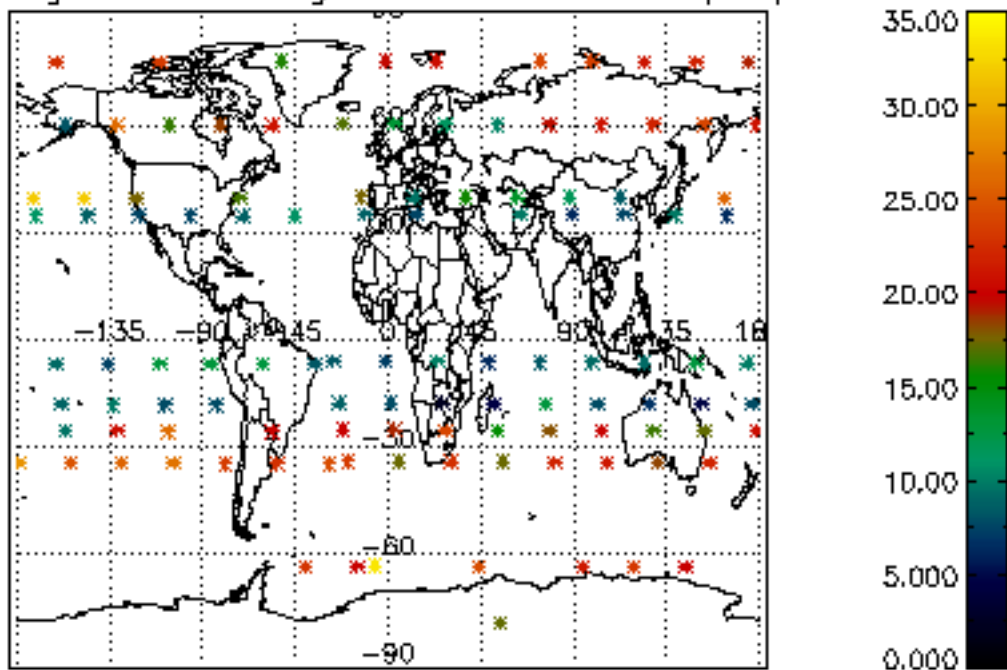
Percentage of cosmic ray hits per profile



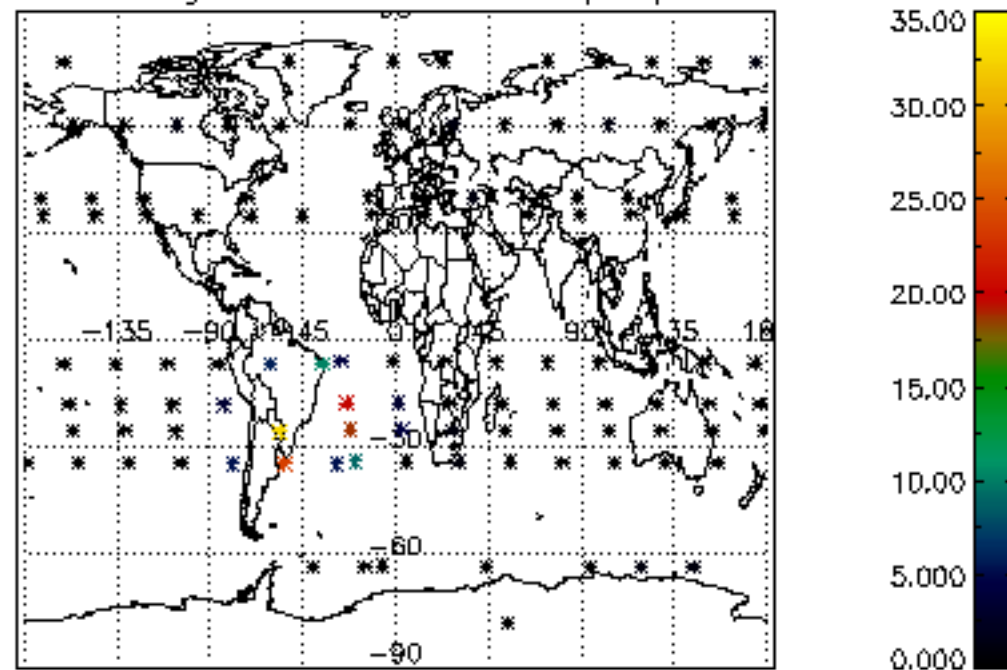
Percentage of datation errors per profile



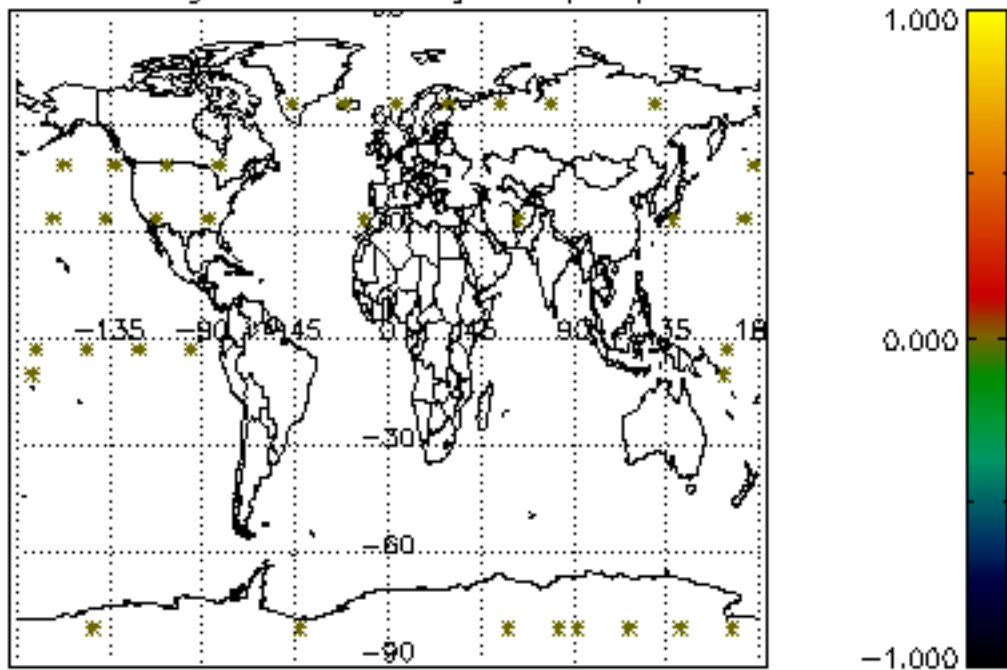
Percentage of star falling outside central band per profile



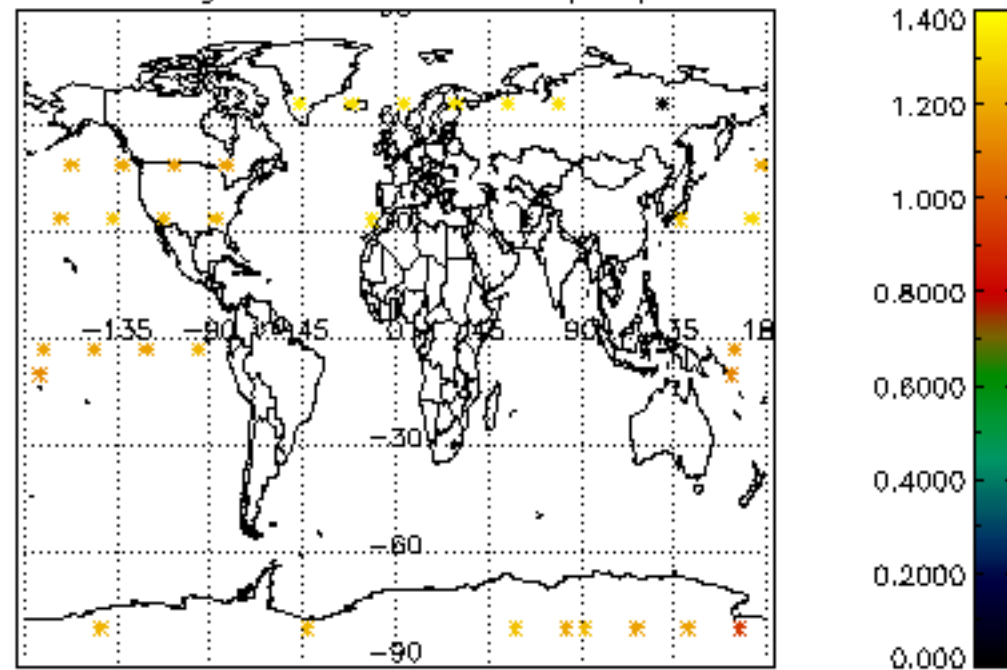
Percentage of saturation errors per profile



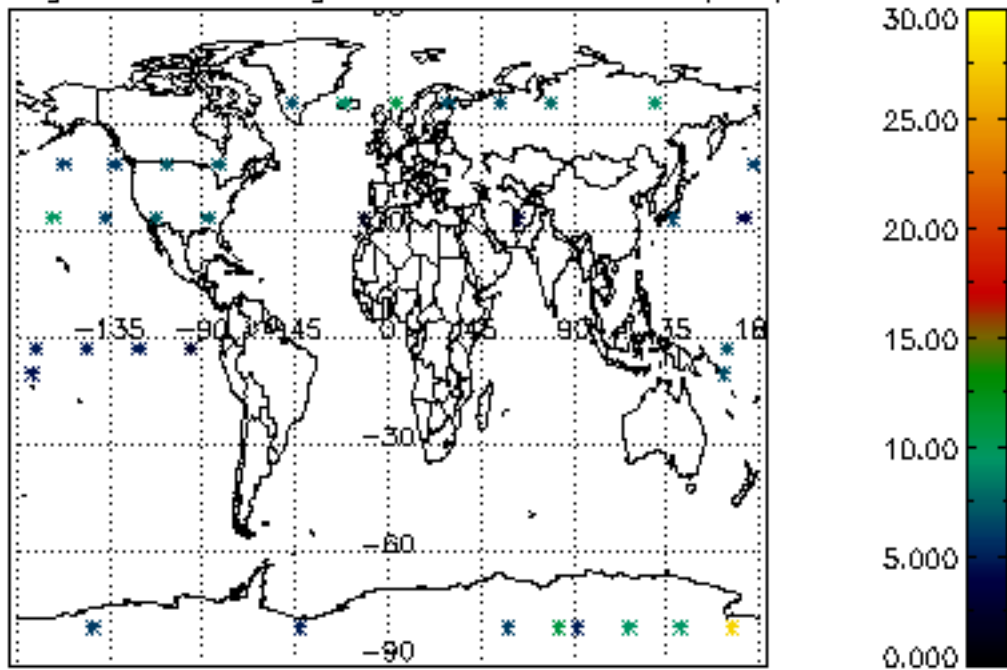
Percentage of cosmic ray hits per profile



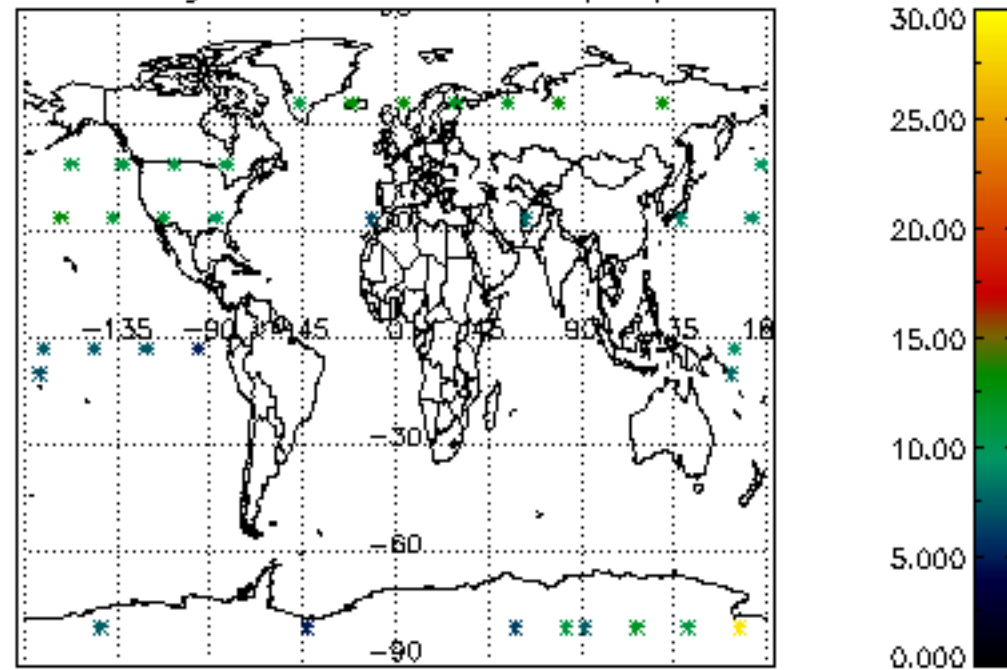
Percentage of datation errors per profile



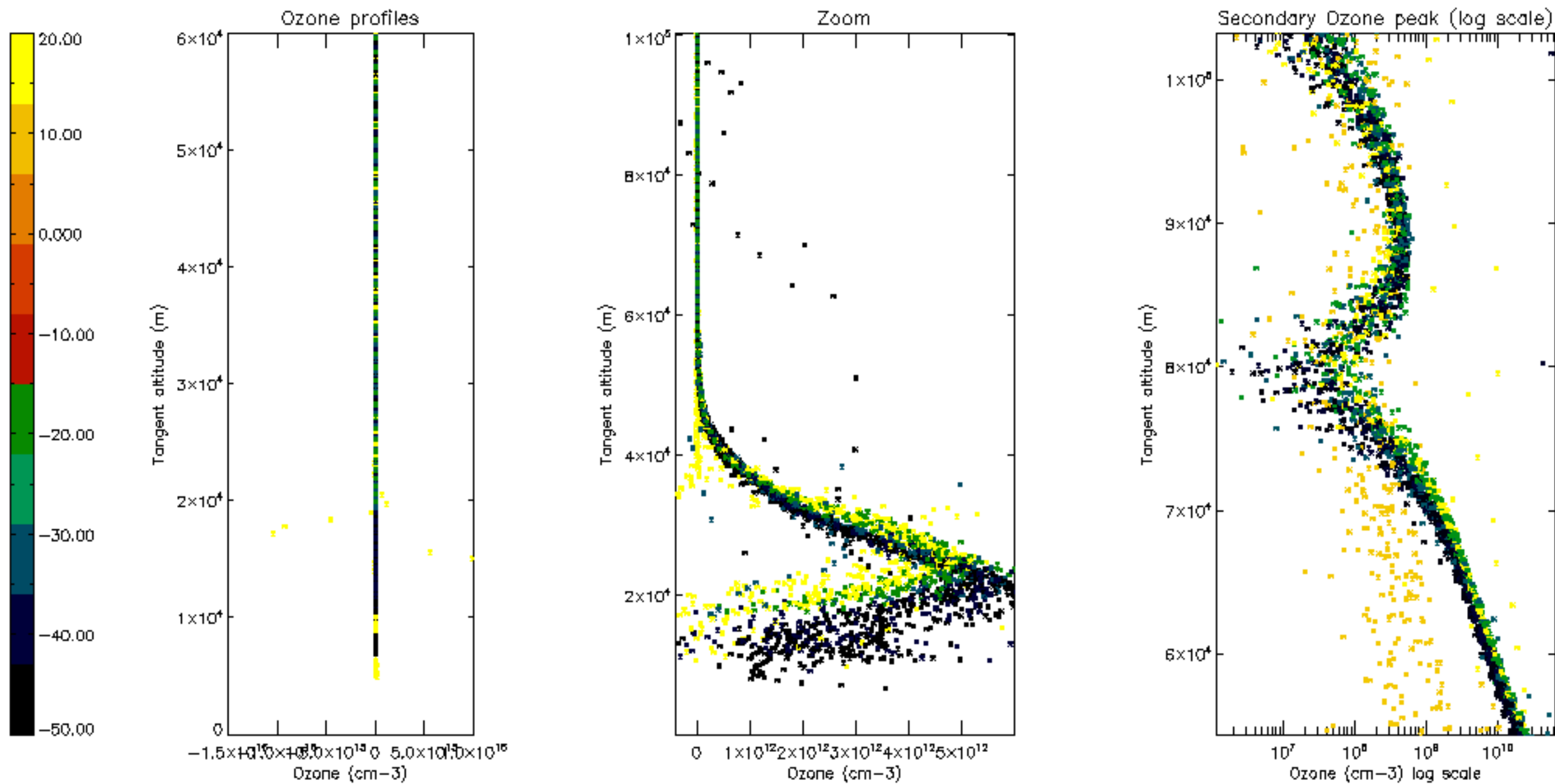
Percentage of star falling outside central band per profile

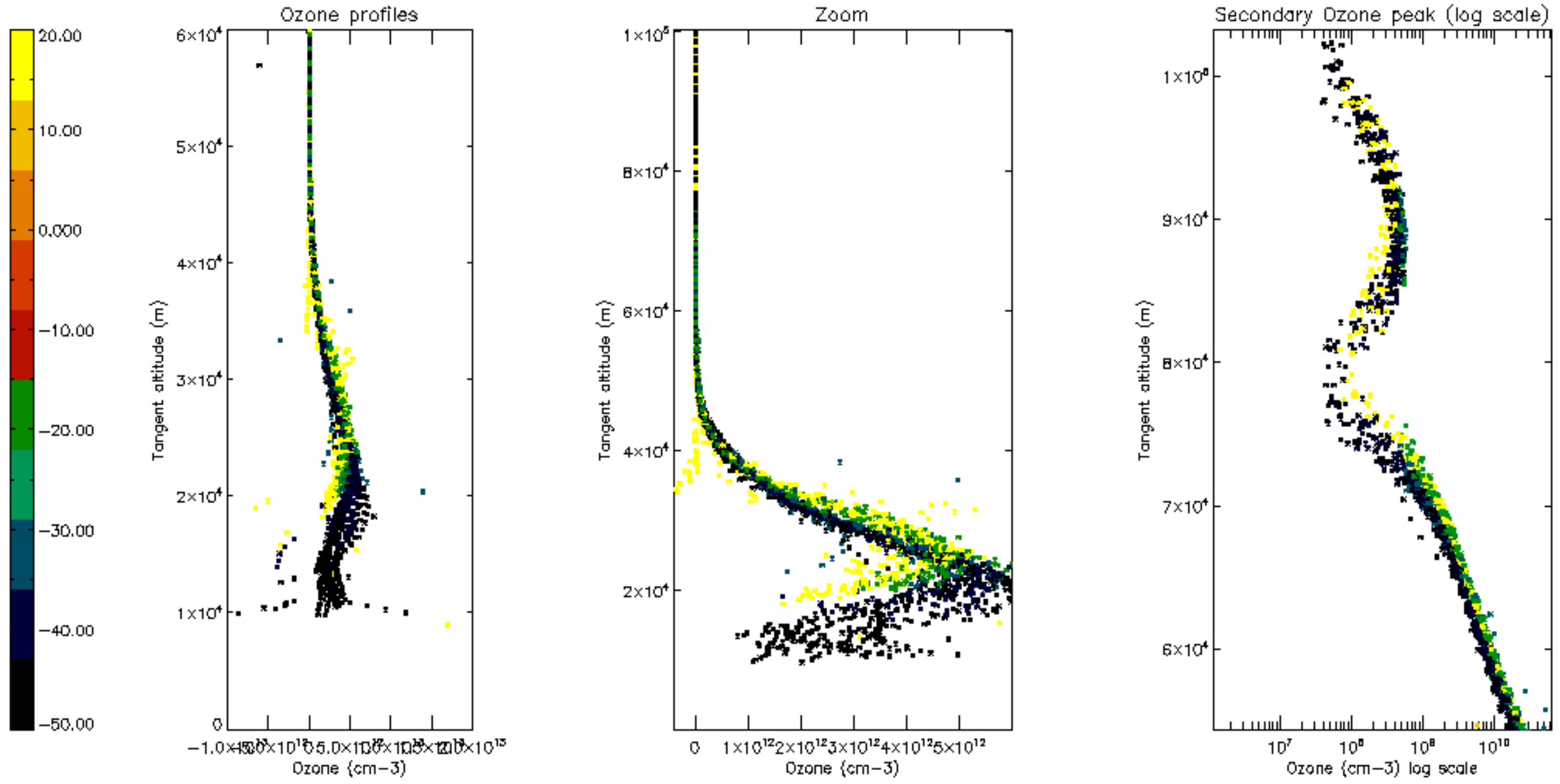


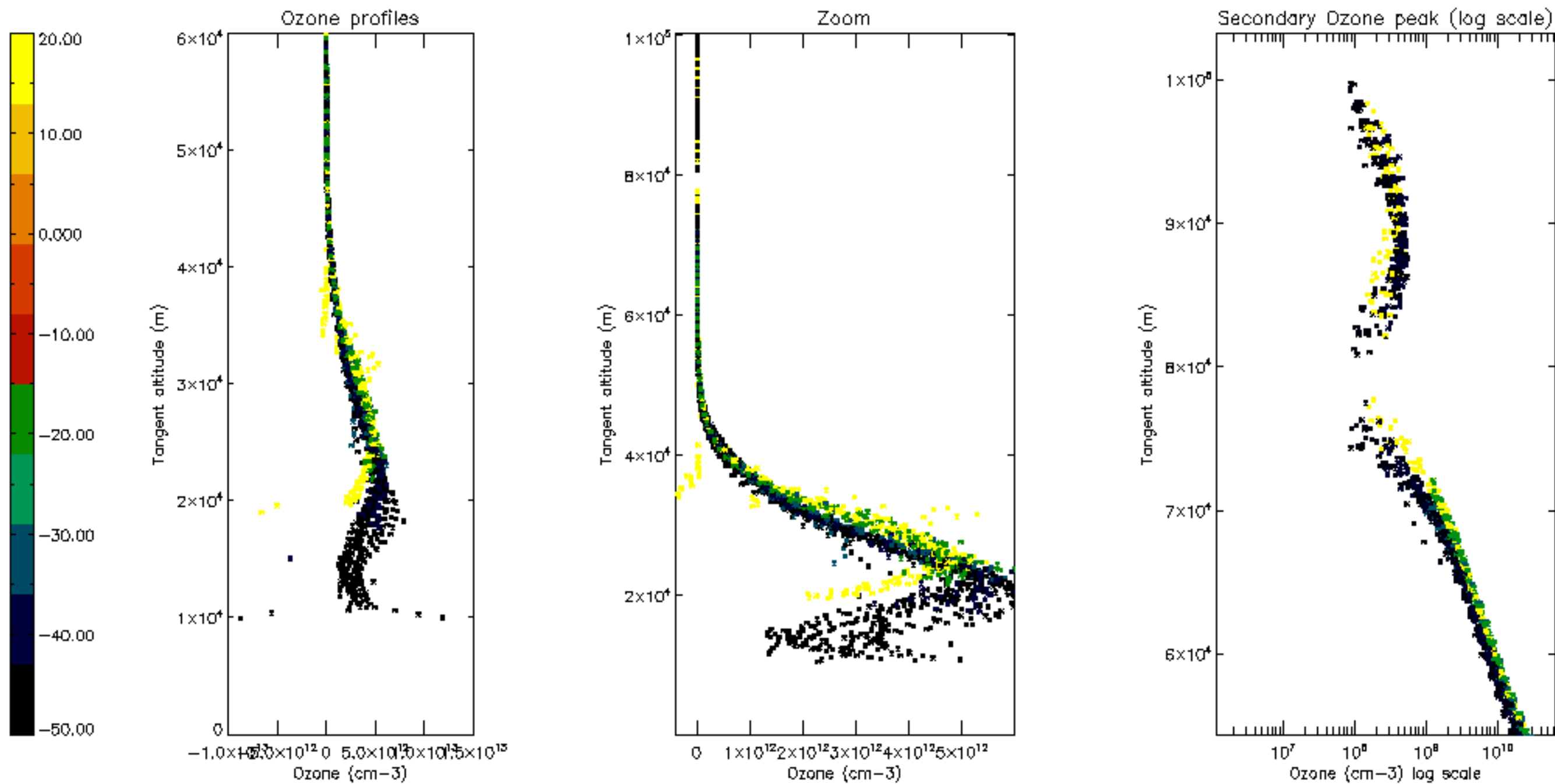
Percentage of saturation errors per profile

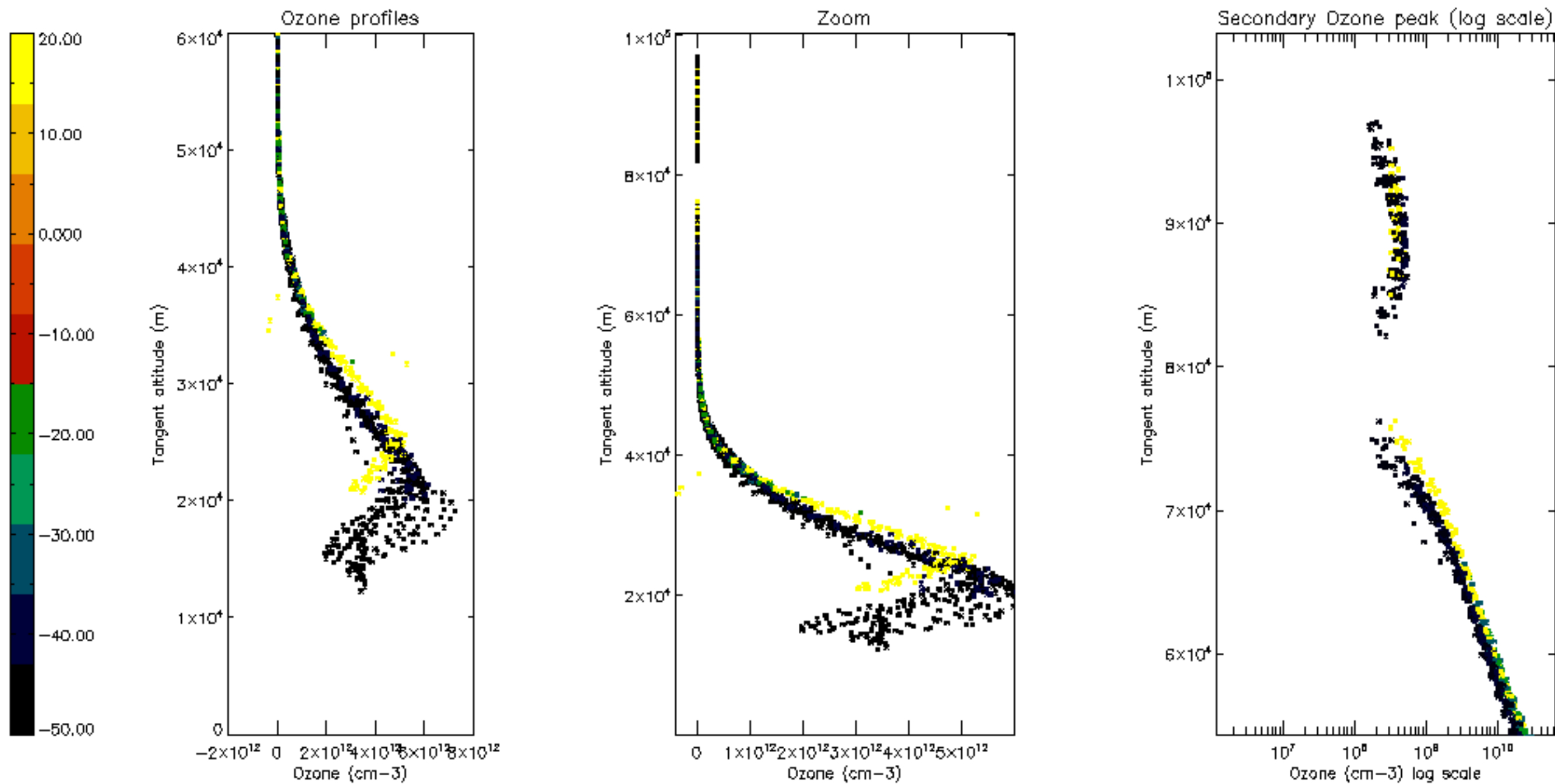




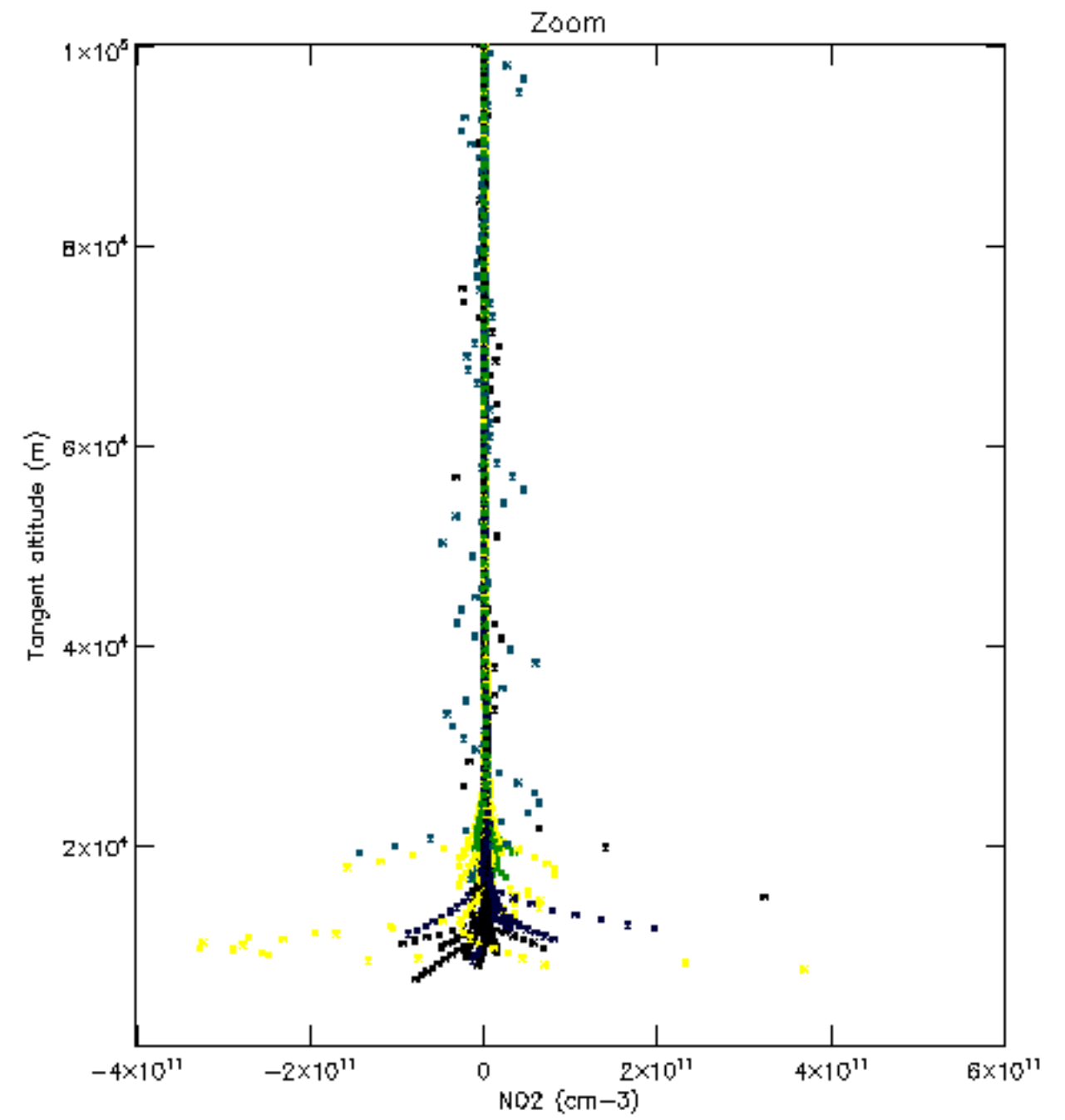
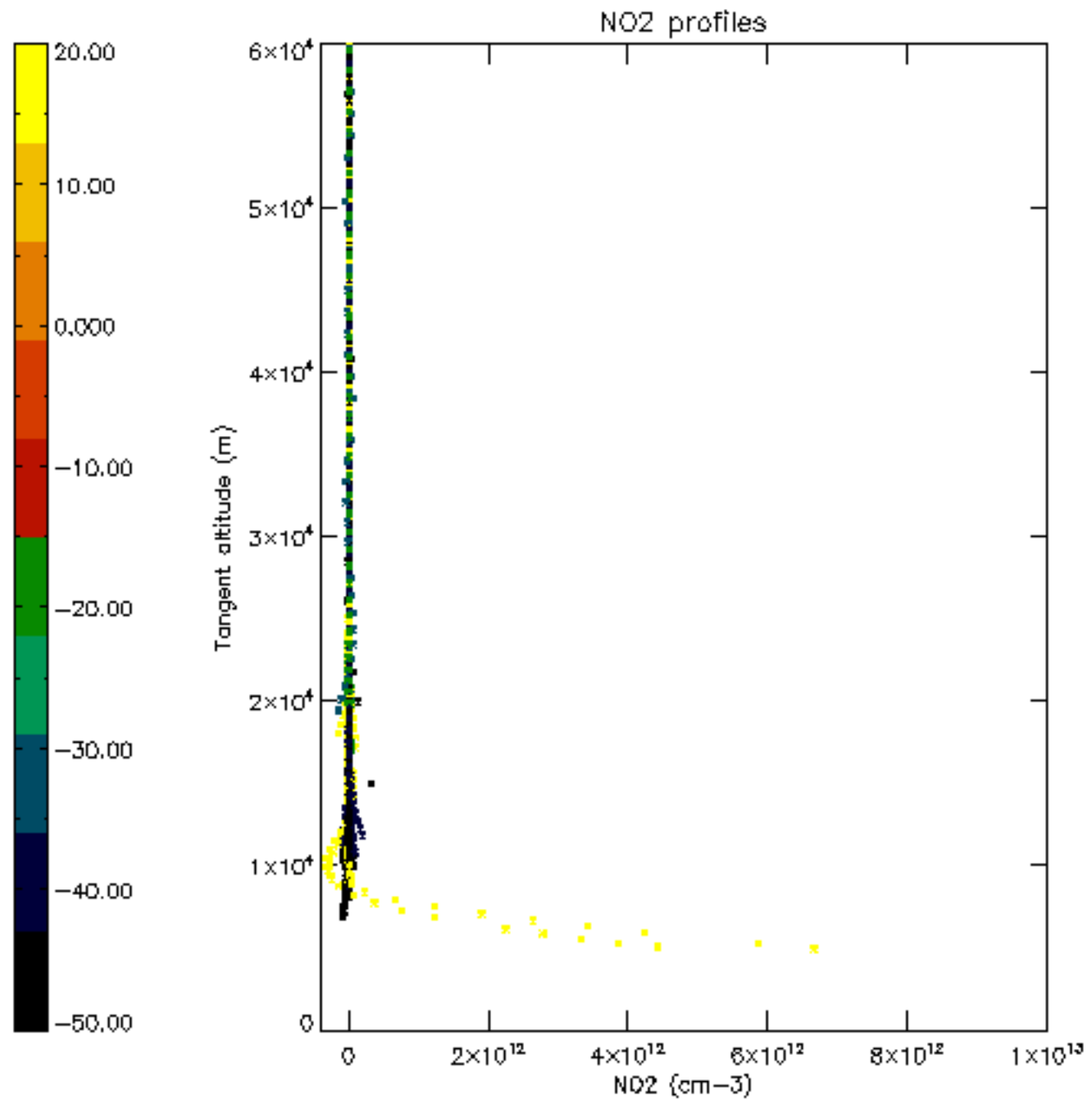


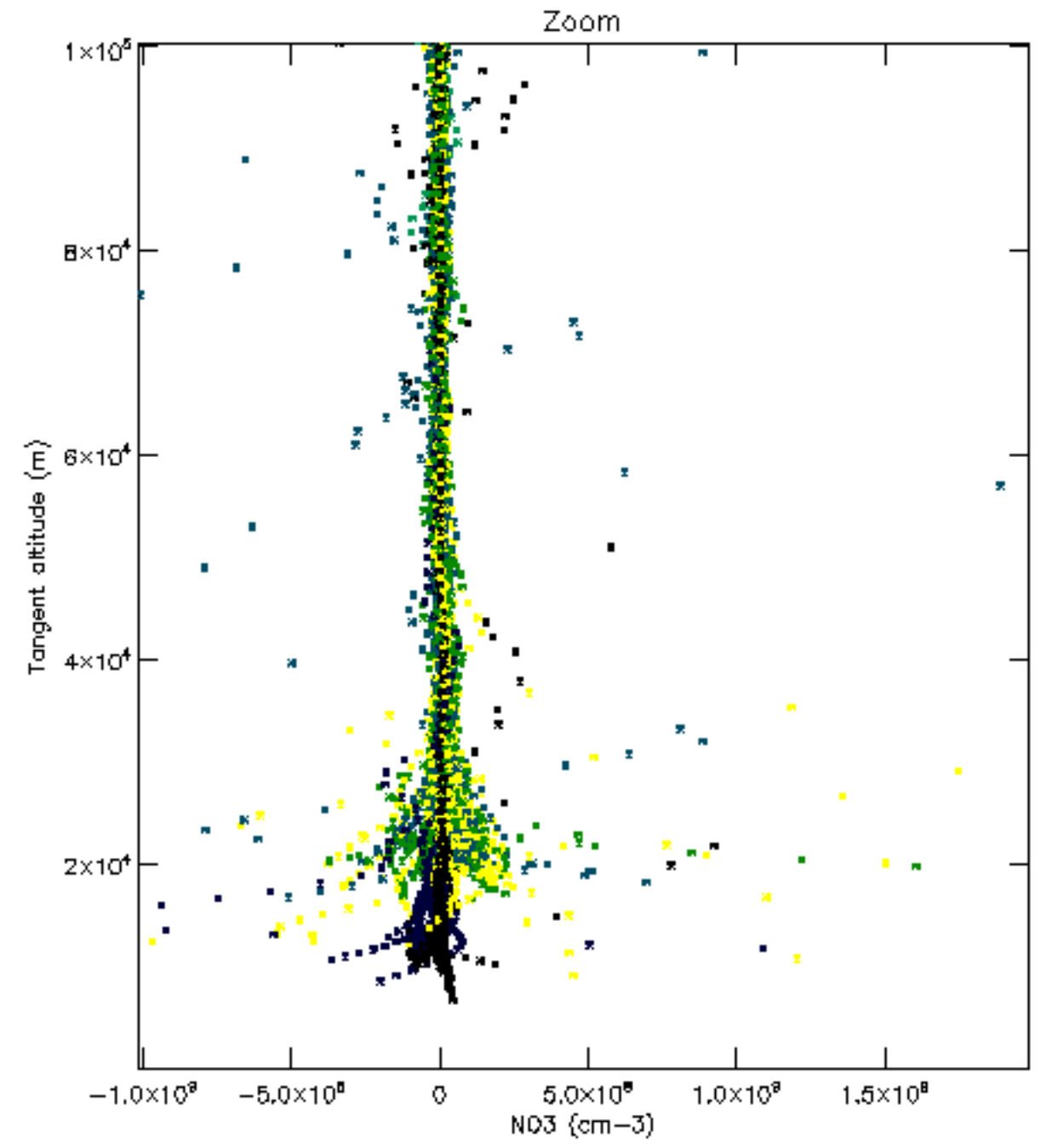
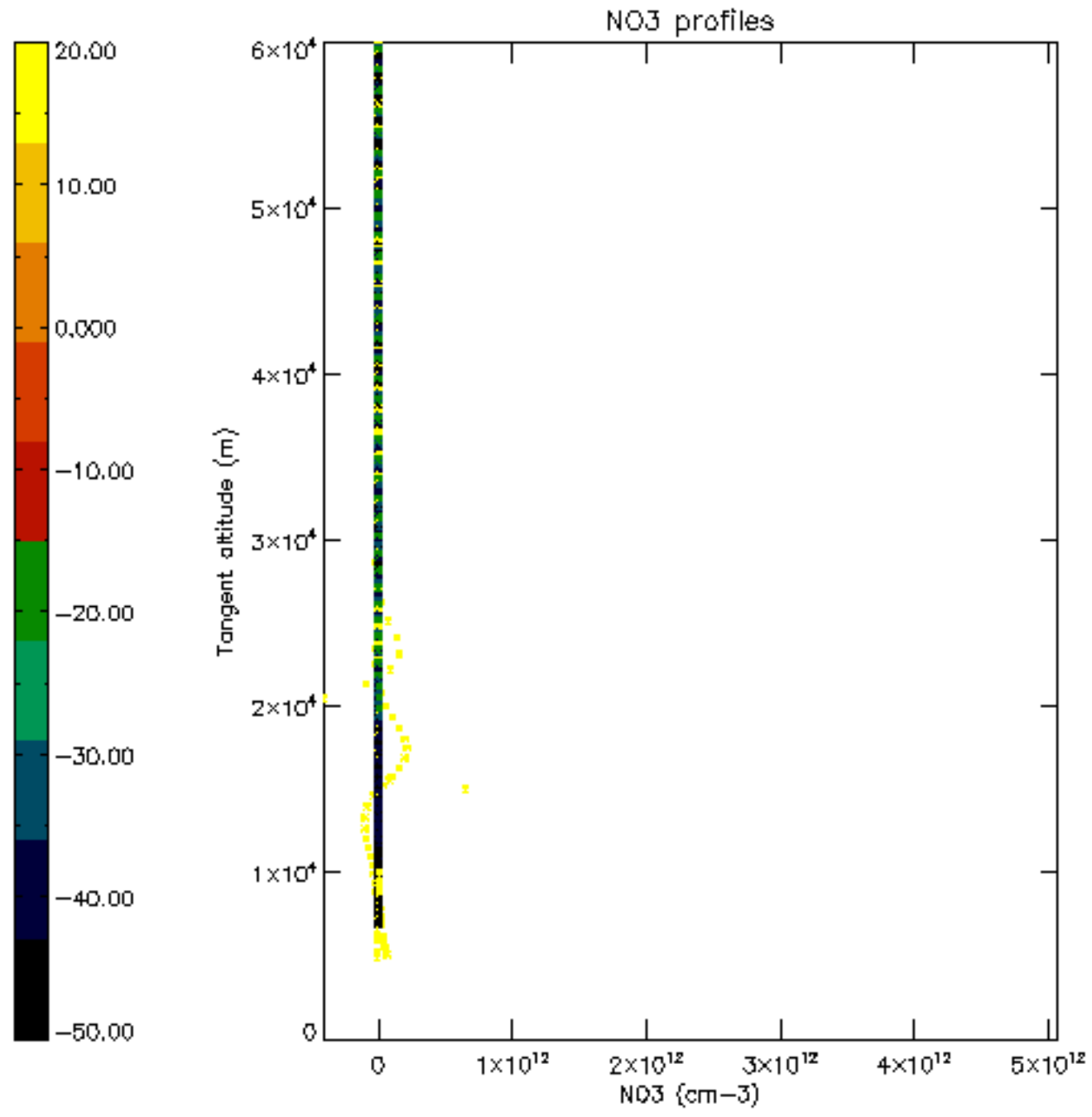


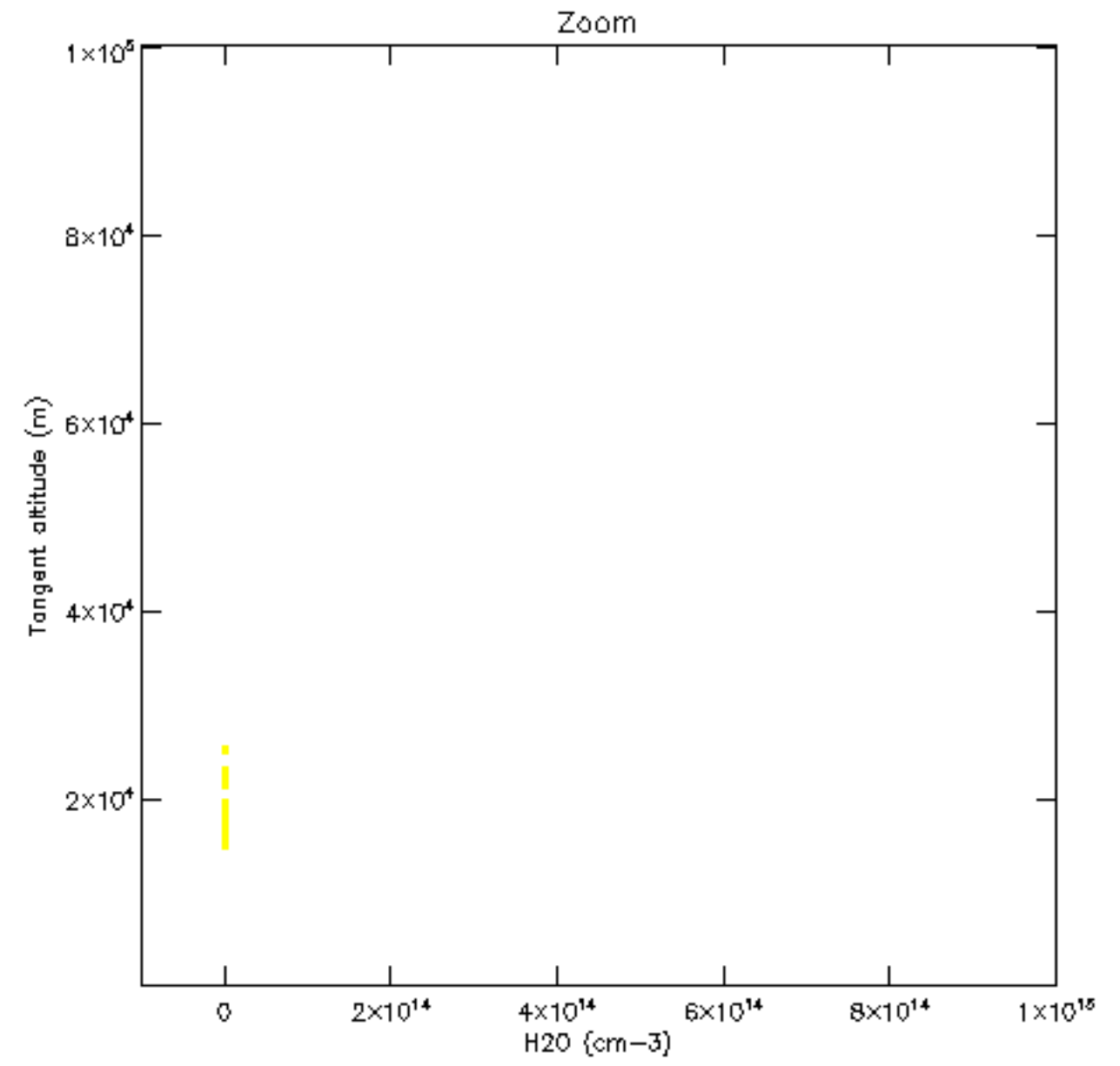
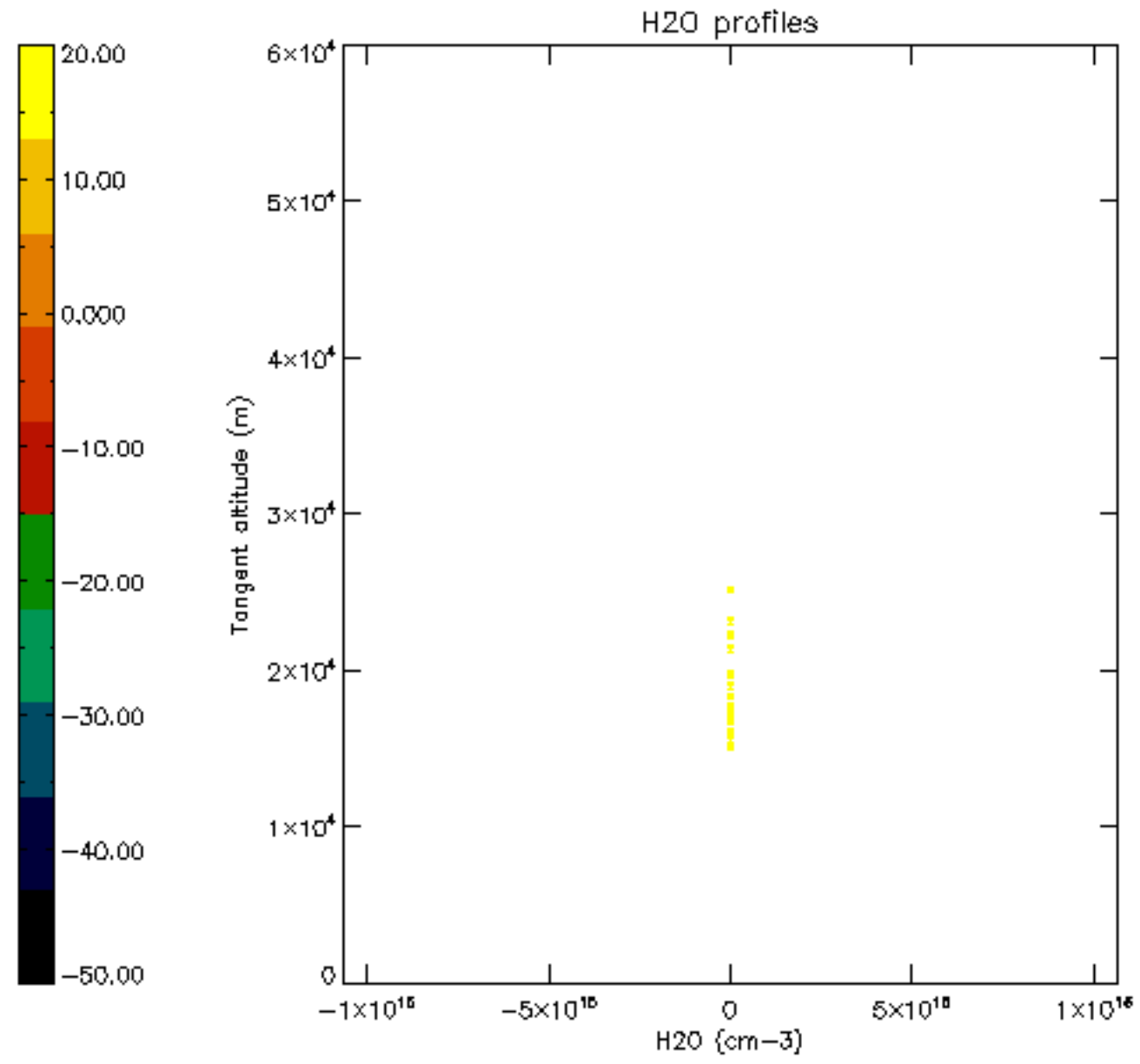


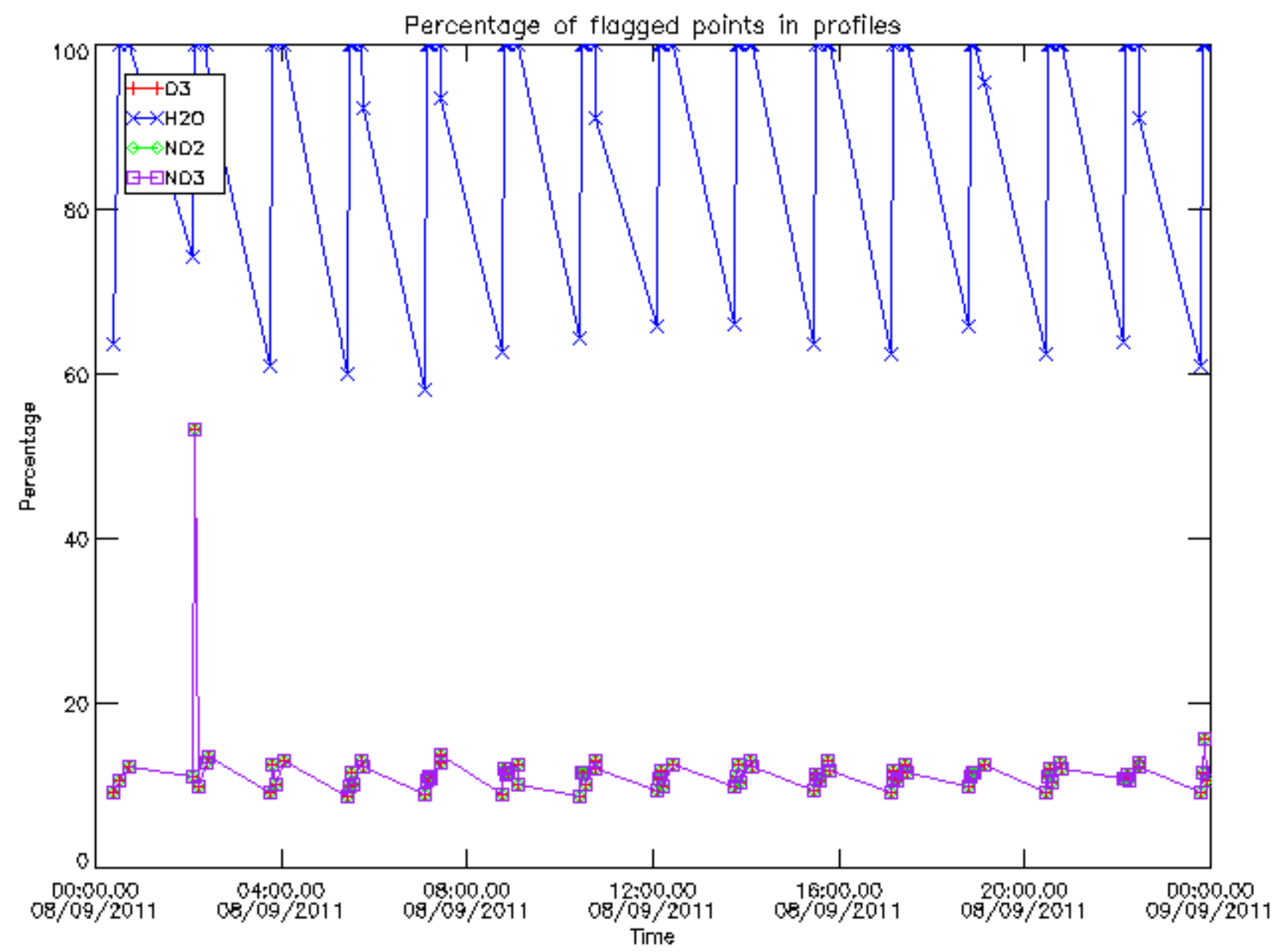






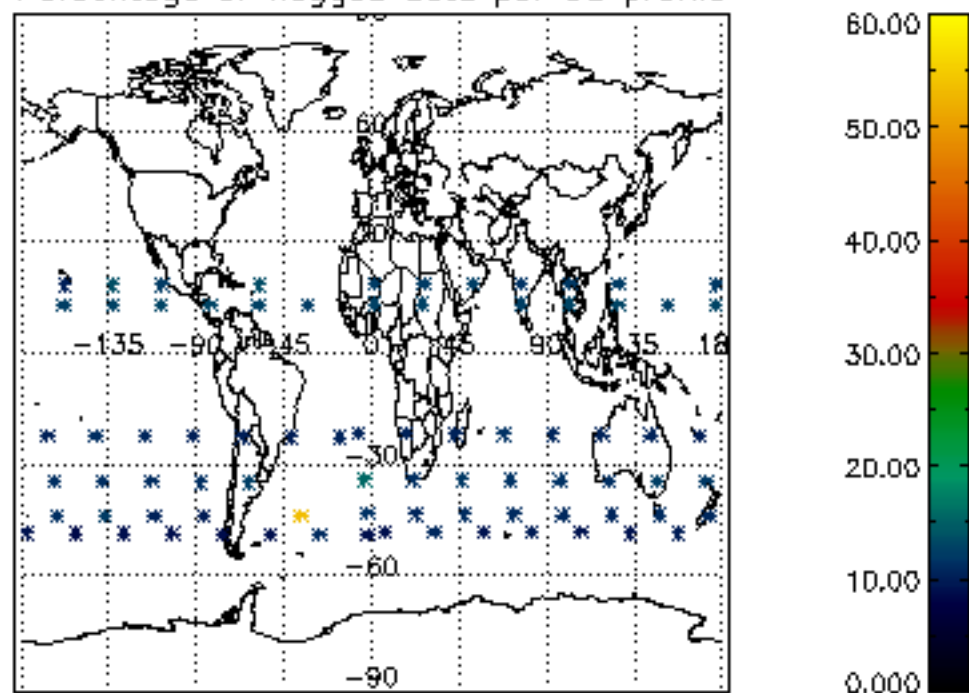




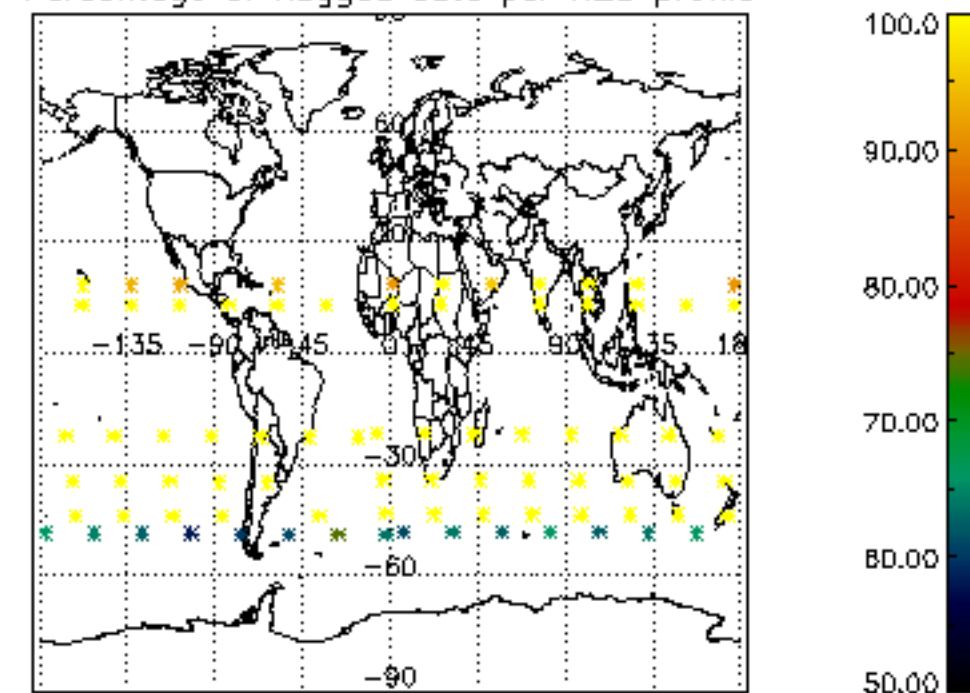




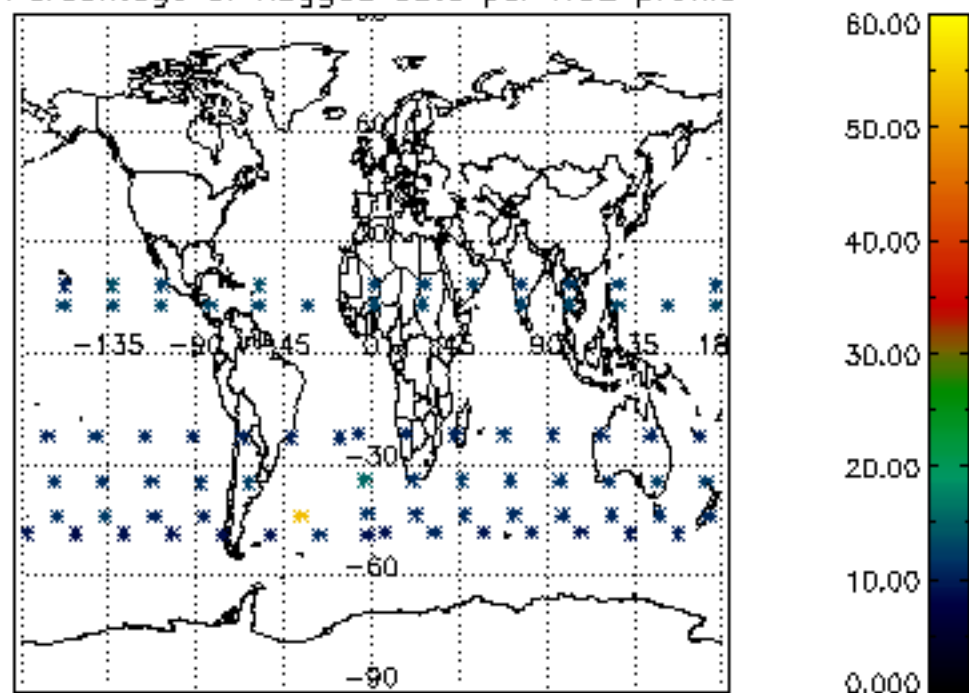
Percentage of flagged data per D3 profile



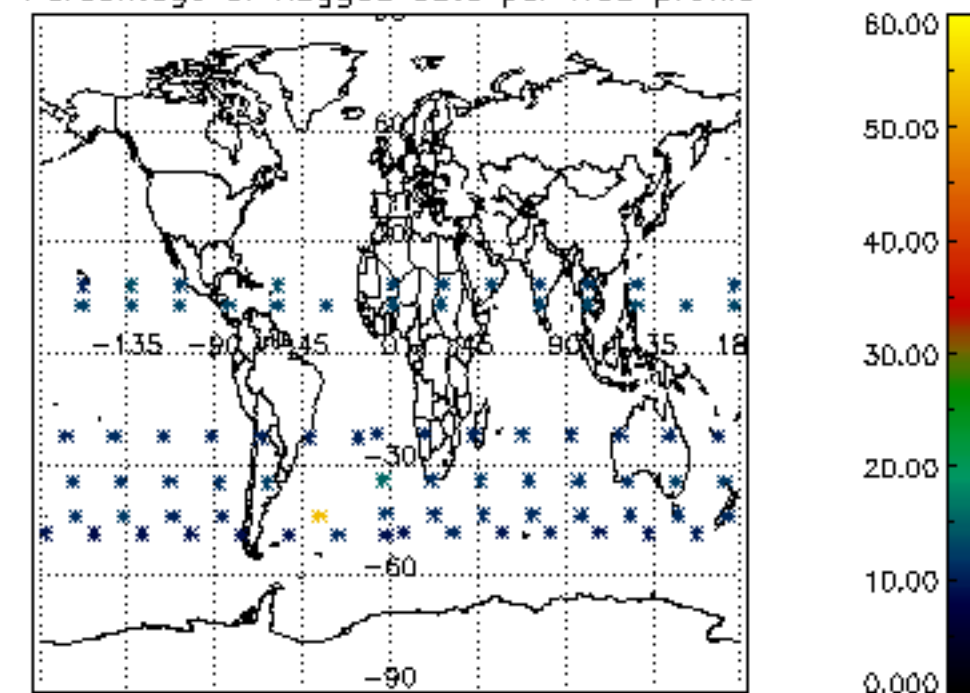
Percentage of flagged data per H2O profile

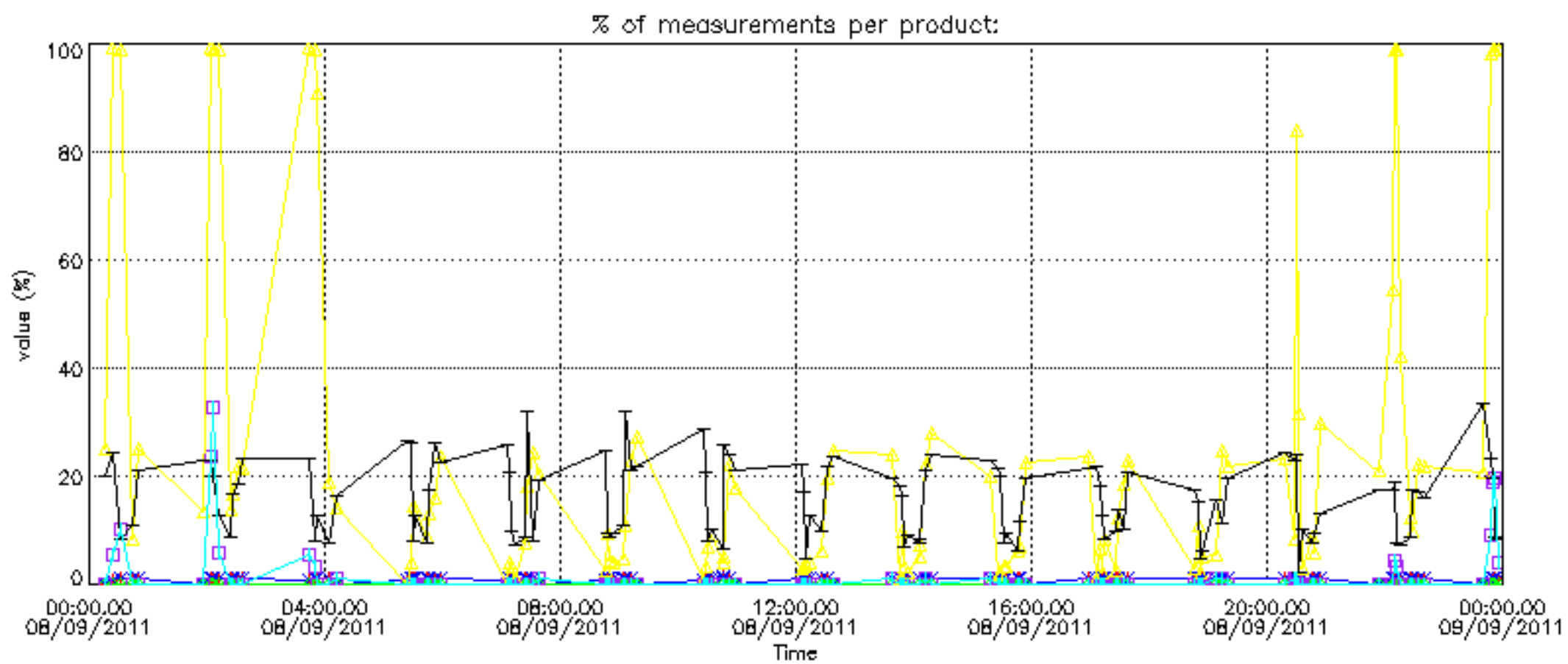


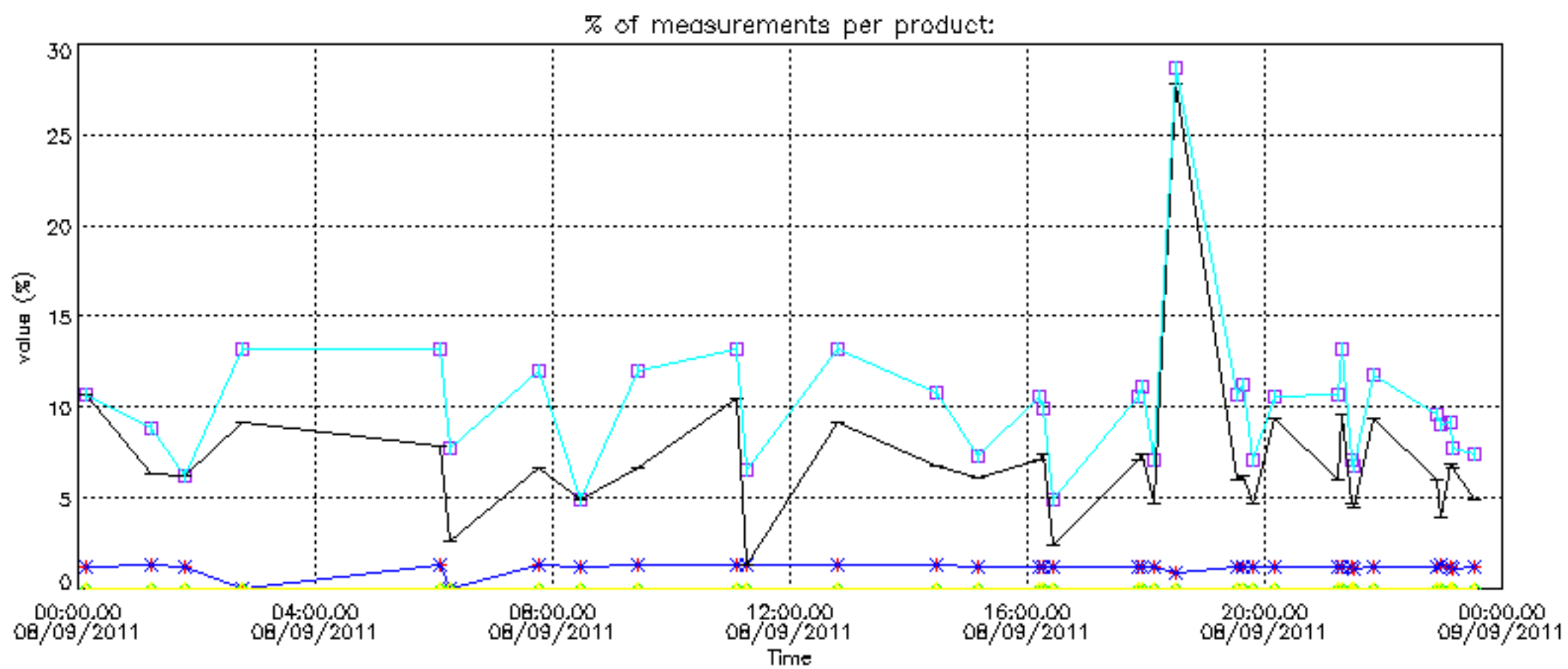
Percentage of flagged data per NO2 profile



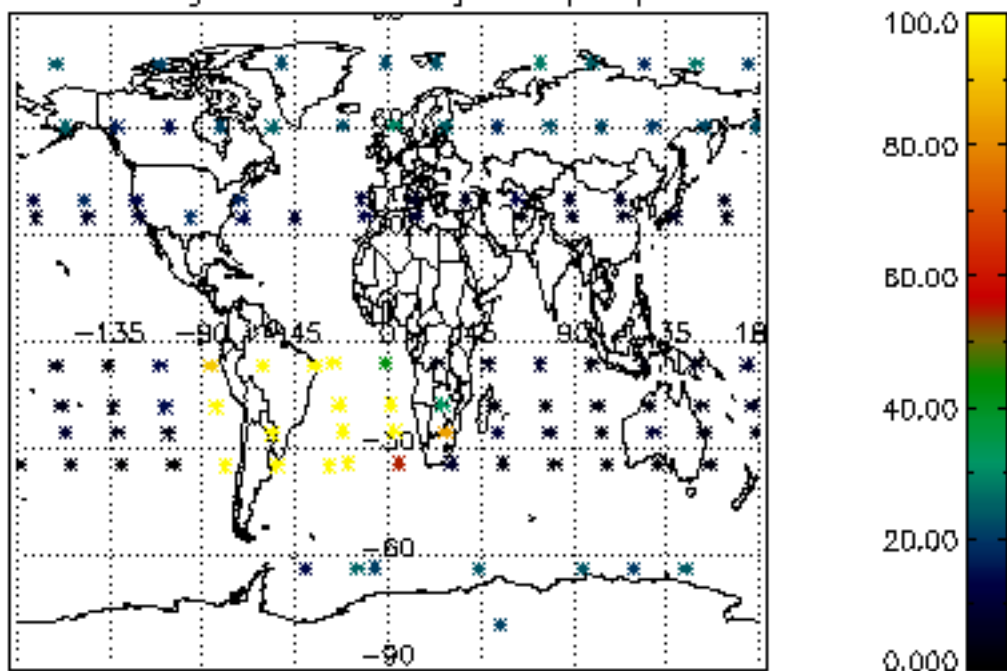
Percentage of flagged data per NO3 profile



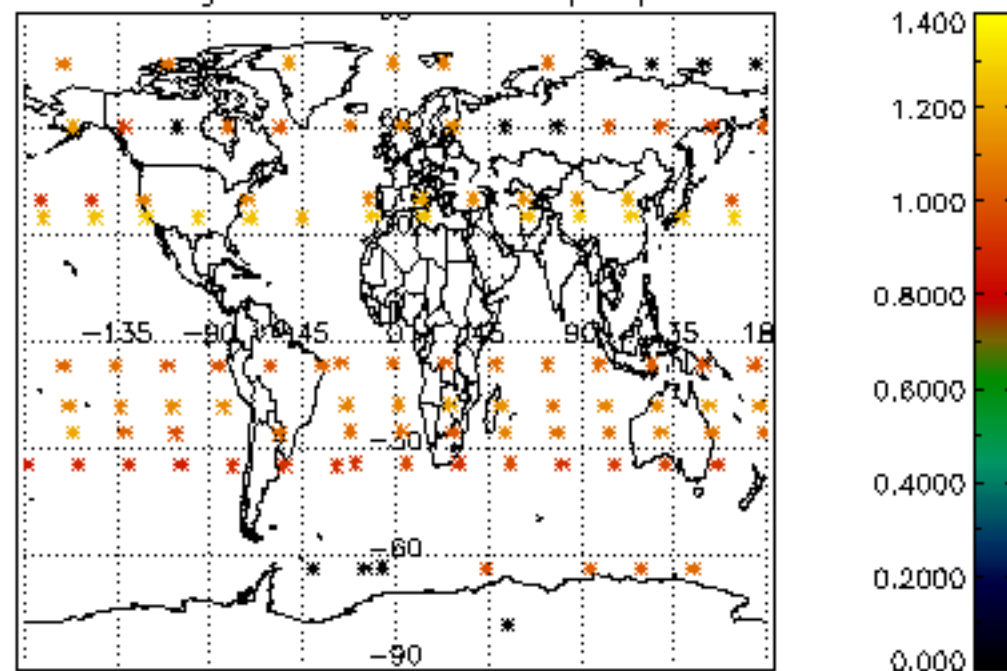




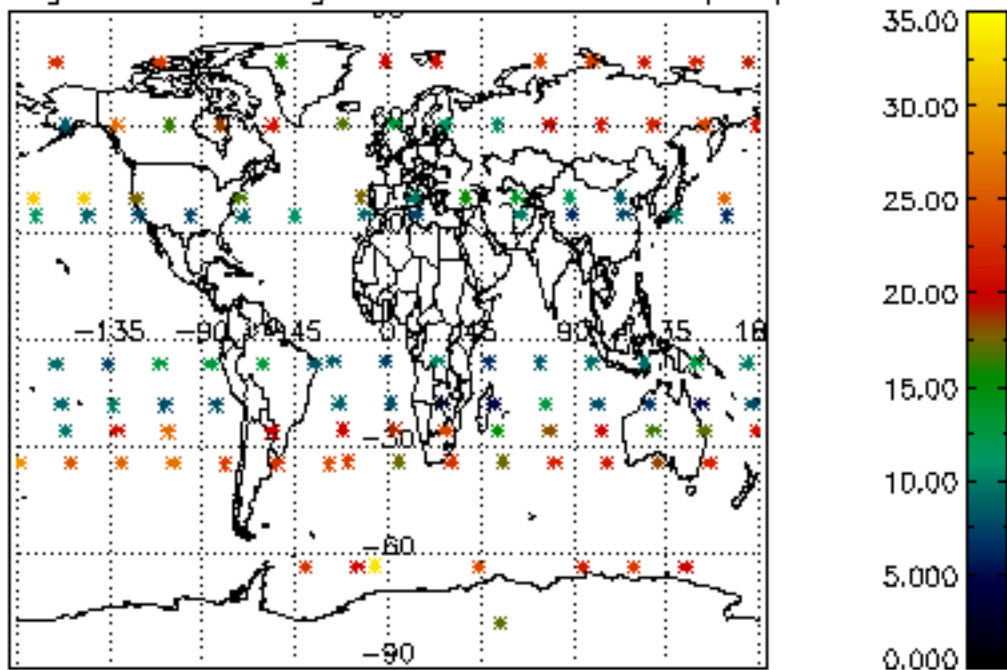
Percentage of cosmic ray hits per profile



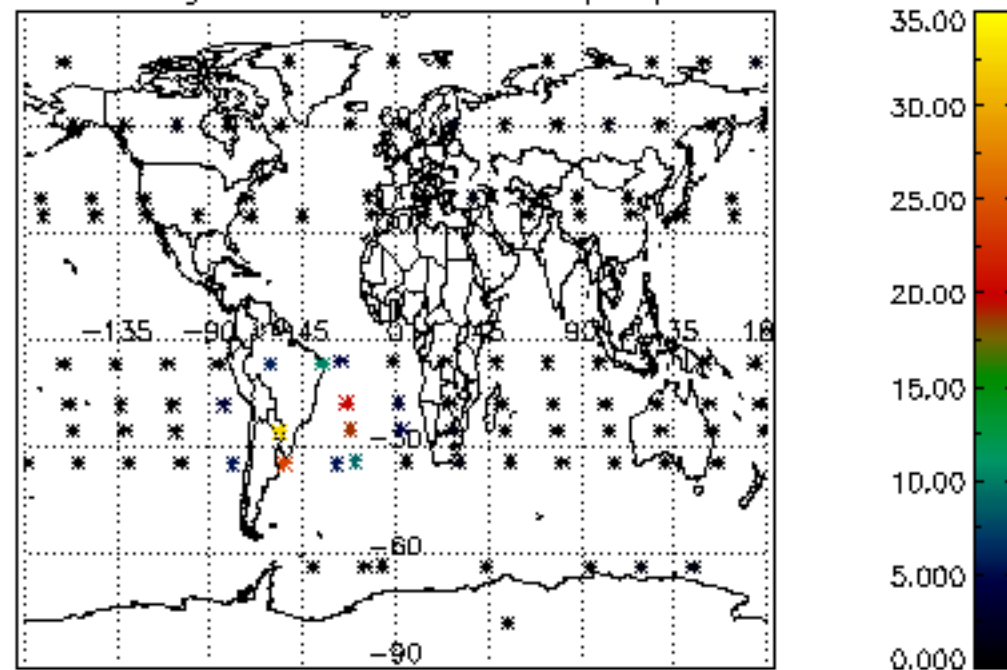
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

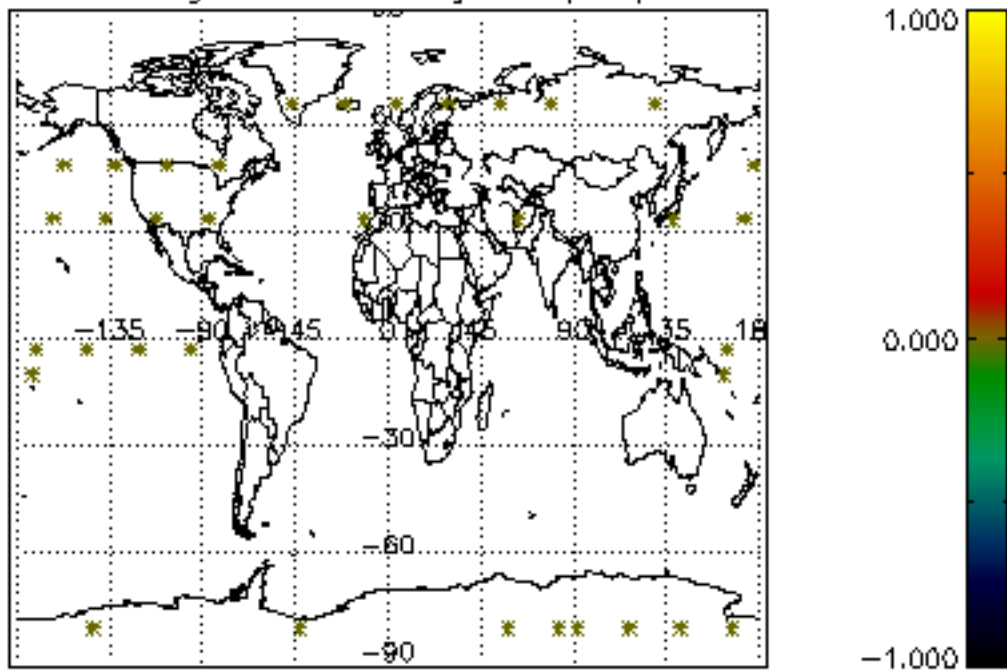


Percentage of saturation errors per profile

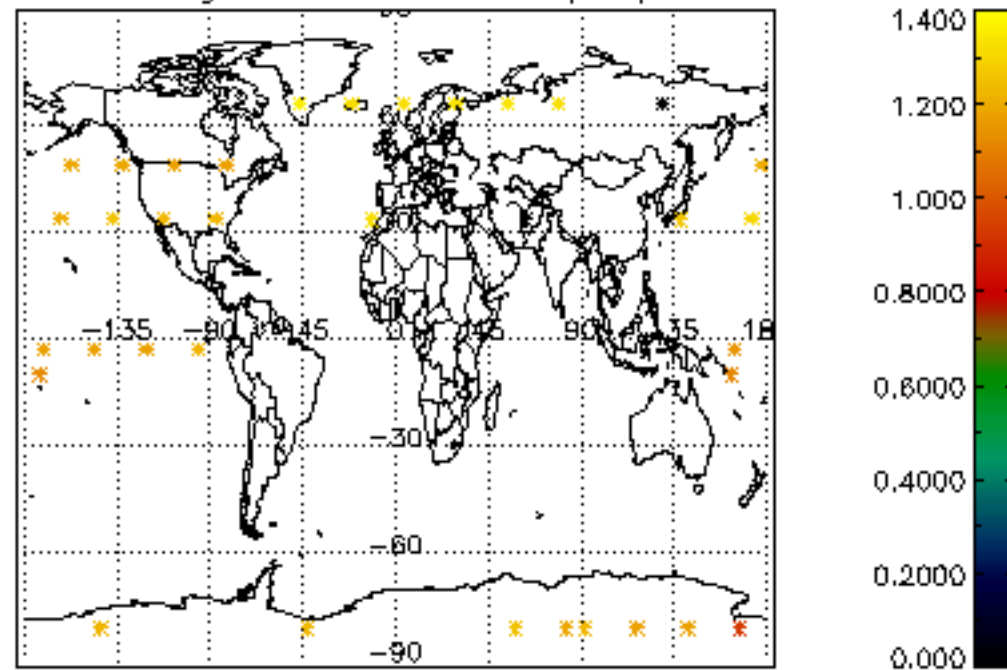




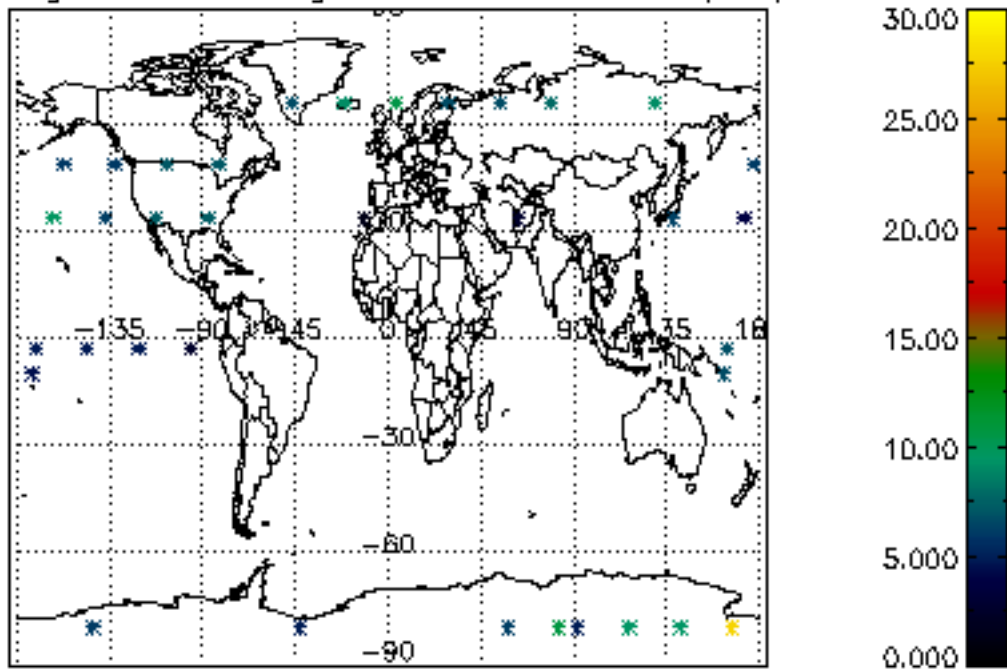
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

