

# 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	29APR2013 11:30:49
Data source version	GOMOS/6.01
Start time of products	03-06-2010 (03JUN2010 00:00:00)
Stop time of products	04-06-2010 (04JUN2010 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	295
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__2PRFIN20100603_000649_000000472090_00030_43170_2753.N1	03-JUN-2010 00:06:49	Dark	46.500	52	16Bet Cet	2.0370	4500.0	93	43170	No
2	GOM_NL__2PRFIN20100603_001329_000000452090_00030_43170_2754.N1	03-JUN-2010 00:13:29	Dark	45.000	84	Alp Phe	2.3970	4500.0	90	43170	No
3	GOM_NL__2PRFIN20100603_001548_000000632090_00030_43170_2755.N1	03-JUN-2010 00:15:48	Dark	62.500	18	24Alp PsA	1.1660	9700.0	125	43170	No
4	GOM_NL__2PRFIN20100603_001857_000000572090_00031_43171_2741.N1	03-JUN-2010 00:18:57	Dark	56.500	63	Bet Gru	2.1500	2800.0	113	43171	No
5	GOM_NL__2PRFIN20100603_002051_000000452090_00031_43171_2742.N1	03-JUN-2010 00:20:51	Dark	45.000	31	Alp Gru	1.7340	15200.	90	43171	No
6	GOM_NL__2PRFIN20100603_002543_000000452090_00031_43171_2743.N1	03-JUN-2010 00:25:43	Straylight	45.000	45	Alp Pav	1.9400	26000.	90	43171	No
7	GOM_NL__2PRFIN20100603_003303_000000412090_00031_43171_2744.N1	03-JUN-2010 00:33:03	Straylight	40.500	147	Alp Ara	2.8770	26000.	81	43171	No
8	GOM_NL__2PRFIN20100603_003445_000000472090_00031_43171_2745.N1	03-JUN-2010 00:34:45	Straylight	46.500	40	The Sco	1.8590	7100.0	93	43171	No
9	GOM_NL__2PRFIN20100603_003632_000000482090_00031_43171_2746.N1	03-JUN-2010 00:36:32	Tw_i_and_stray	47.500	25	35Lam Sco	1.6200	28000.	95	43171	No
10	GOM_NL__2PRFIN20100603_003815_000000462090_00031_43171_2747.N1	03-JUN-2010 00:38:15	Tw_i_and_stray	46.000	75	26Eps Sco	2.2910	4250.0	92	43171	No
11	GOM_NL__2PRFIN20100603_004016_000000462090_00031_43171_2748.N1	03-JUN-2010 00:40:16	Bright	46.000	136	23Tau Sco	2.8220	30000.	92	43171	No
12	GOM_NL__2PRFIN20100603_004351_000000452090_00031_43171_2749.N1	03-JUN-2010 00:43:51	Bright	45.000	86	35Eta Oph	2.4300	10200.	90	43171	No
13	GOM_NL__2PRFIN20100603_004541_000000422090_00031_43171_2750.N1	03-JUN-2010 00:45:41	Bright	42.000	98	13Zet Oph	2.5710	30000.	84	43171	No
14	GOM_NL__2PRFIN20100603_004751_000000412090_00031_43171_2751.N1	03-JUN-2010 00:47:51	Bright	41.000	120	1Del Oph	2.7340	3200.0	82	43171	No
15	GOM_NL__2PRFIN20100603_005051_000000372090_00031_43171_2752.N1	03-JUN-2010 00:50:51	Bright	36.500	102	24Alp Ser	2.6000	4250.0	73	43171	No
16	GOM_NL__2PRFIN20100603_005551_000000422090_00031_43171_2753.N1	03-JUN-2010 00:55:51	Bright	41.500	127	27Bet Her	2.7810	4700.0	83	43171	No
17	GOM_NL__2PRFIN20100603_005914_000000452090_00031_43171_2754.N1	03-JUN-2010 00:59:14	Bright	45.000	133	40Zet Her	2.8070	6000.0	90	43171	No
18	GOM_NL__2PRFIN20100603_010715_000000372090_00031_43171_2755.N1	03-JUN-2010 01:07:15	Bright	37.000	119	14Eta Dra	2.7270	4700.0	74	43171	No
19	GOM_NL__2PRFIN20100603_011731_000000332090_00031_43171_2756.N1	03-JUN-2010 01:17:31	Tw_i_and_stray	33.000	89	5Alp Cep	2.4510	8000.0	66	43171	No
20	GOM_NL__2PRFIN20100603_012244_000000562090_00031_43171_2757.N1	03-JUN-2010 01:22:44	Bright	56.000	76	27Gam Cas	2.3000	30000.	112	43171	No
21	GOM_NL__2PRFIN20100603_013034_000000582090_00031_43171_2758.N1	03-JUN-2010 01:30:34	Bright	58.000	53	43Bet And	2.0480	3300.0	116	43171	No
22	GOM_NL__2PRFIN20100603_013319_000000412090_00031_43171_2759.N1	03-JUN-2010 01:33:19	Tw_i_and_stray	41.000	58	21Alp And	2.0730	11000.	82	43171	No
23	GOM_NL__2PRFIN20100603_013823_000000522090_00031_43171_2760.N1	03-JUN-2010 01:38:23	Dark	52.000	140	88Gam Peg	2.8340	26000.	104	43171	No
24	GOM_NL__2PRFIN20100603_014726_000000482090_00031_43171_2761.N1	03-JUN-2010 01:47:26	Dark	48.000	52	16Bet Cet	2.0370	4500.0	96	43171	No
25	GOM_NL__2PRFIN20100603_015406_000000442090_00031_43171_2762.N1	03-JUN-2010 01:54:06	Dark	44.000	84	Alp Phe	2.3970	4500.0	88	43171	No
26	GOM_NL__2PRFIN20100603_015625_000000662090_00031_43171_2763.N1	03-JUN-2010 01:56:25	Dark	66.000	18	24Alp PsA	1.1660	9700.0	132	43171	No
27	GOM_NL__2PRFIN20100603_015933_000000482090_00032_43172_2749.N1	03-JUN-2010 01:59:33	Dark	47.500	63	Bet Gru	2.1500	2800.0	95	43172	No
28	GOM_NL__2PRFIN20100603_020127_000000482090_00032_43172_2750.N1	03-JUN-2010 02:01:27	Dark	47.500	31	Alp Gru	1.7340	15200.	95	43172	No
29	GOM_NL__2PRFIN20100603_020619_000000452090_00032_43172_2751.N1	03-JUN-2010 02:06:19	Straylight	45.000	45	Alp Pav	1.9400	26000.	90	43172	No
30	GOM_NL__2PRFIN20100603_021339_000000422090_00032_43172_2752.N1	03-JUN-2010 02:13:39	Straylight	41.500	147	Alp Ara	2.8770	26000.	83	43172	No
31	GOM_NL__2PRFIN20100603_021521_000000442090_00032_43172_2753.N1	03-JUN-2010 02:15:21	Straylight	44.000	40	The Sco	1.8590	7100.0	88	43172	No
32	GOM_NL__2PRFIN20100603_021708_000000482090_00032_43172_2754.N1	03-JUN-2010 02:17:08	Tw_i_and_stray	48.000	25	35Lam Sco	1.6200	28000.	96	43172	No
33	GOM_NL__2PRFIN20100603_021852_000000462090_00032_43172_2755.N1	03-JUN-2010 02:18:52	Tw_i_and_stray	46.000	75	26Eps Sco	2.2910	4250.0	92	43172	No
34	GOM_NL__2PRFIN20100603_022052_000000472090_00032_43172_2756.N1	03-JUN-2010 02:20:52	Bright	47.000	136	23Tau Sco	2.8220	30000.	94	43172	No
35	GOM_NL__2PRFIN20100603_022427_000000452090_00032_43172_2757.N1	03-JUN-2010 02:24:27	Bright	44.500	86	35Eta Oph	2.4300	10200.	89	43172	No
36	GOM_NL__2PRFIN20100603_022617_000000422090_00032_43172_2758.N1	03-JUN-2010 02:26:17	Bright	42.000	98	13Zet Oph	2.5710	30000.	84	43172	No
37	GOM_NL__2PRFIN20100603_022827_000000392090_00032_43172_2759.N1	03-JUN-2010 02:28:27	Bright	39.000	120	1Del Oph	2.7340	3200.0	78	43172	No
38	GOM_NL__2PRFIN20100603_023127_000000362090_00032_43172_2760.N1	03-JUN-2010 02:31:27	Bright	36.000	102	24Alp Ser	2.6000	4250.0	72	43172	No
39	GOM_NL__2PRFIN20100603_023627_000000442090_00032_43172_2761.N1	03-JUN-2010 02:36:27	Bright	43.500	127	27Bet Her	2.7810	4700.0	87	43172	No
40	GOM_NL__2PRFIN20100603_023949_000000412090_00032_43172_2762.N1	03-JUN-2010 02:39:49	Bright	41.000	133	40Zet Her	2.8070	6000.0	82	43172	No
41	GOM_NL__2PRFIN20100603_024751_000000352090_00032_43172_2763.N1	03-JUN-2010 02:47:51	Bright	34.500	119	14Eta Dra	2.7270	4700.0	69	43172	No
42	GOM_NL__2PRFIN20100603_025806_000000322090_00032_43172_2764.N1	03-JUN-2010 02:58:06	Tw_i_and_stray	32.000	89	5Alp Cep	2.4510	8000.0	64	43172	No

43	GOM_NL__2PRFIN20100603_030320_00000462090_00032_43172_2765.N1	03-JUN-2010 03:03:20	Bright	46.000	76	27Gam Cas	2.3000	30000.	92	43172	No
44	GOM_NL__2PRFIN20100603_031109_00000472090_00032_43172_2766.N1	03-JUN-2010 03:11:09	Bright	47.000	53	43Bet And	2.0480	3300.0	94	43172	No
45	GOM_NL__2PRFIN20100603_031354_00000332090_00032_43172_2767.N1	03-JUN-2010 03:13:54	Tw_i_and_stray	33.000	58	21Alp And	2.0730	11000.	66	43172	No
46	GOM_NL__2PRFIN20100603_031900_00000522090_00032_43172_2768.N1	03-JUN-2010 03:19:00	Dark	51.500	140	88Gam Peg	2.8340	26000.	103	43172	No
47	GOM_NL__2PRFIN20100603_032802_00000502090_00032_43172_2769.N1	03-JUN-2010 03:28:02	Dark	50.000	52	16Bet Cet	2.0370	4500.0	100	43172	No
48	GOM_NL__2PRFIN20100603_033442_00000472090_00032_43172_2770.N1	03-JUN-2010 03:34:42	Dark	46.500	84	Alp Phe	2.3970	4500.0	93	43172	No
49	GOM_NL__2PRFIN20100603_033702_00000562090_00032_43172_2771.N1	03-JUN-2010 03:37:02	Dark	55.500	18	24Alp PsA	1.1660	9700.0	111	43172	No
50	GOM_NL__2PRFIN20100603_034010_00000582090_00033_43173_2777.N1	03-JUN-2010 03:40:10	Dark	58.000	63	Bet Gru	2.1500	2800.0	116	43173	No
51	GOM_NL__2PRFIN20100603_034205_00000482090_00033_43173_2778.N1	03-JUN-2010 03:42:05	Dark	47.500	31	Alp Gru	1.7340	15200.	95	43173	No
52	GOM_NL__2PRFIN20100603_034656_00000442090_00033_43173_2779.N1	03-JUN-2010 03:46:56	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	43173	No
53	GOM_NL__2PRFIN20100603_035415_00000402090_00033_43173_2780.N1	03-JUN-2010 03:54:15	Straylight	39.500	147	Alp Ara	2.8770	26000.	79	43173	No
54	GOM_NL__2PRFIN20100603_035557_00000452090_00033_43173_2781.N1	03-JUN-2010 03:55:57	Straylight	44.500	40	The Sco	1.8590	7100.0	89	43173	No
55	GOM_NL__2PRFIN20100603_035745_00000482090_00033_43173_2782.N1	03-JUN-2010 03:57:45	Tw_i_and_stray	47.500	25	35Lam Sco	1.6200	28000.	95	43173	No
56	GOM_NL__2PRFIN20100603_035928_00000482090_00033_43173_2783.N1	03-JUN-2010 03:59:28	Tw_i_and_stray	48.000	75	26Eps Sco	2.2910	4250.0	96	43173	No
57	GOM_NL__2PRFIN20100603_040128_00000522090_00033_43173_2784.N1	03-JUN-2010 04:01:28	Bright	51.500	136	23Tau Sco	2.8220	30000.	103	43173	No
58	GOM_NL__2PRFIN20100603_040503_00000462090_00033_43173_2785.N1	03-JUN-2010 04:05:03	Bright	46.000	86	35Eta Oph	2.4300	10200.	92	43173	No
59	GOM_NL__2PRFIN20100603_040653_00000412090_00033_43173_2786.N1	03-JUN-2010 04:06:53	Bright	41.000	98	13Zet Oph	2.5710	30000.	82	43173	No
60	GOM_NL__2PRFIN20100603_040903_00000412090_00033_43173_2787.N1	03-JUN-2010 04:09:03	Bright	40.500	120	1Del Oph	2.7340	3200.0	81	43173	No
61	GOM_NL__2PRFIN20100603_041203_00000372090_00033_43173_2788.N1	03-JUN-2010 04:12:03	Bright	36.500	102	24Alp Ser	2.6000	4250.0	73	43173	No
62	GOM_NL__2PRFIN20100603_041702_00000422090_00033_43173_2789.N1	03-JUN-2010 04:17:02	Bright	41.500	127	27Bet Her	2.7810	4700.0	83	43173	No
63	GOM_NL__2PRFIN20100603_042025_00000442090_00033_43173_2790.N1	03-JUN-2010 04:20:25	Bright	43.500	133	40Zet Her	2.8070	6000.0	87	43173	No
64	GOM_NL__2PRFIN20100603_042826_00000402090_00033_43173_2791.N1	03-JUN-2010 04:28:26	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	43173	No
65	GOM_NL__2PRFIN20100603_043841_00000322090_00033_43173_2792.N1	03-JUN-2010 04:38:41	Tw_i_and_stray	31.500	89	5Alp Cep	2.4510	8000.0	63	43173	No
66	GOM_NL__2PRFIN20100603_044355_00000362090_00033_43173_2793.N1	03-JUN-2010 04:43:55	Bright	36.000	76	27Gam Cas	2.3000	30000.	72	43173	No
67	GOM_NL__2PRFIN20100603_045146_00000502090_00033_43173_2794.N1	03-JUN-2010 04:51:46	Bright	49.500	53	43Bet And	2.0480	3300.0	99	43173	No
68	GOM_NL__2PRFIN20100603_045431_00000332090_00033_43173_2795.N1	03-JUN-2010 04:54:31	Tw_i_and_stray	33.000	58	21Alp And	2.0730	11000.	66	43173	No
69	GOM_NL__2PRFIN20100603_045936_00000512090_00033_43173_2796.N1	03-JUN-2010 04:59:36	Dark	50.500	140	88Gam Peg	2.8340	26000.	101	43173	No
70	GOM_NL__2PRFIN20100603_050839_00000482090_00033_43173_2797.N1	03-JUN-2010 05:08:39	Dark	47.500	52	16Bet Cet	2.0370	4500.0	95	43173	No
71	GOM_NL__2PRFIN20100603_051519_00000442090_00033_43173_2798.N1	03-JUN-2010 05:15:19	Dark	44.000	84	Alp Phe	2.3970	4500.0	88	43173	No
72	GOM_NL__2PRFIN20100603_051739_00000682090_00033_43173_2799.N1	03-JUN-2010 05:17:39	Dark	68.000	18	24Alp PsA	1.1660	9700.0	136	43173	No
73	GOM_NL__2PRFIN20100603_052047_00000572090_00034_43174_2785.N1	03-JUN-2010 05:20:47	Dark	57.000	63	Bet Gru	2.1500	2800.0	114	43174	No
74	GOM_NL__2PRFIN20100603_052241_00000462090_00034_43174_2786.N1	03-JUN-2010 05:22:41	Dark	45.500	31	Alp Gru	1.7340	15200.	91	43174	No
75	GOM_NL__2PRFIN20100603_052733_00000442090_00034_43174_2787.N1	03-JUN-2010 05:27:33	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	43174	No
76	GOM_NL__2PRFIN20100603_053452_00000402090_00034_43174_2788.N1	03-JUN-2010 05:34:52	Straylight	40.000	147	Alp Ara	2.8770	26000.	80	43174	No
77	GOM_NL__2PRFIN20100603_053634_00000462090_00034_43174_2789.N1	03-JUN-2010 05:36:34	Straylight	45.500	40	The Sco	1.8590	7100.0	91	43174	No
78	GOM_NL__2PRFIN20100603_053821_00000472090_00034_43174_2790.N1	03-JUN-2010 05:38:21	Tw_i_and_stray	46.500	25	35Lam Sco	1.6200	28000.	93	43174	No
79	GOM_NL__2PRFIN20100603_054004_00000472090_00034_43174_2791.N1	03-JUN-2010 05:40:04	Tw_i_and_stray	46.500	75	26Eps Sco	2.2910	4250.0	93	43174	No
80	GOM_NL__2PRFIN20100603_054205_00000472090_00034_43174_2792.N1	03-JUN-2010 05:42:05	Bright	46.500	136	23Tau Sco	2.8220	30000.	93	43174	No
81	GOM_NL__2PRFIN20100603_054539_00000452090_00034_43174_2793.N1	03-JUN-2010 05:45:39	Bright	44.500	86	35Eta Oph	2.4300	10200.	89	43174	No
82	GOM_NL__2PRFIN20100603_054729_00000412090_00034_43174_2794.N1	03-JUN-2010 05:47:29	Bright	41.000	98	13Zet Oph	2.5710	30000.	82	43174	No
83	GOM_NL__2PRFIN20100603_054939_00000392090_00034_43174_2795.N1	03-JUN-2010 05:49:39	Bright	39.000	120	1Del Oph	2.7340	3200.0	78	43174	No
84	GOM_NL__2PRFIN20100603_055240_00000372090_00034_43174_2796.N1	03-JUN-2010 05:52:40	Bright	36.500	102	24Alp Ser	2.6000	4250.0	73	43174	No
85	GOM_NL__2PRFIN20100603_055738_00000412090_00034_43174_2797.N1	03-JUN-2010 05:57:38	Bright	40.500	127	27Bet Her	2.7810	4700.0	81	43174	No
86	GOM_NL__2PRFIN20100603_060100_00000442090_00034_43174_2798.N1	03-JUN-2010 06:01:00	Bright	44.000	133	40Zet Her	2.8070	6000.0	88	43174	No
87	GOM_NL__2PRFIN20100603_060902_00000412090_00034_43174_2799.N1	03-JUN-2010 06:09:02	Bright	40.500	119	14Eta Dra	2.7270	4700.0	81	43174	No
88	GOM_NL__2PRFIN20100603_061917_00000312090_00034_43174_2800.N1	03-JUN-2010 06:19:17	Tw_i_and_stray	31.000	89	5Alp Cep	2.4510	8000.0	62	43174	No
89	GOM_NL__2PRFIN20100603_062431_00000382090_00034_43174_2801.N1	03-JUN-2010 06:24:31	Bright	37.500	76	27Gam Cas	2.3000	30000.	75	43174	No
90	GOM_NL__2PRFIN20100603_063222_00000582090_00034_43174_2802.N1	03-JUN-2010 06:32:22	Bright	58.000	53	43Bet And	2.0480	3300.0	116	43174	No
91	GOM_NL__2PRFIN20100603_064013_00000522090_00034_43174_2803.N1	03-JUN-2010 06:40:13	Dark	52.000	140	88Gam Peg	2.8340	26000.	104	43174	No
92	GOM_NL__2PRFIN20100603_064916_00000522090_00034_43174_2804.N1	03-JUN-2010 06:49:16	Dark	52.000	52	16Bet Cet	2.0370	4500.0	104	43174	No
93	GOM_NL__2PRFIN20100603_065556_00000432090_00034_43174_2805.N1	03-JUN-2010 06:55:56	Dark	42.500	84	Alp Phe	2.3970	4500.0	85	43174	No
94	GOM_NL__2PRFIN20100603_065817_00000582090_00034_43174_2806.N1	03-JUN-2010 06:58:17	Dark	58.000	18	24Alp PsA	1.1660	9700.0	116	43174	No
95	GOM_NL__2PRFIN20100603_070124_00000442090_00035_43175_2793.N1	03-JUN-2010 07:01:24	Dark	44.000	63	Bet Gru	2.1500	2800.0	88	43175	No
96	GOM_NL__2PRFIN20100603_070318_00000472090_00035_43175_2794.N1	03-JUN-2010 07:03:18	Dark	47.000	31	Alp Gru	1.7340	15200.	94	43175	No
97	GOM_NL__2PRFIN20100603_070809_00000422090_00035_43175_2795.N1	03-JUN-2010 07:08:09	Straylight	41.500	45	Alp Pav	1.9400	26000.	83	43175	No
98	GOM_NL__2PRFIN20100603_071528_00000412090_00035_43175_2796.N1	03-JUN-2010 07:15:28	Straylight	41.000	147	Alp Ara	2.8770	26000.	82	43175	No
99	GOM_NL__2PRFIN20100603_071710_00000452090_00035_43175_2797.N1	03-JUN-2010 07:17:10	Straylight	44.500	40	The Sco	1.8590	7100.0	89	43175	No
100	GOM_NL__2PRFIN20100603_071857_00000492090_00035_43175_2798.N1	03-JUN-2010 07:18:57	Tw_i_and_stray	49.000	25	35Lam Sco	1.6200	28000.	98	43175	No
101	GOM_NL__2PRFIN20100603_072040_00000462090_00035_43175_2799.N1	03-JUN-2010 07:20:40	Tw_i_and_stray	46.000	75	26Eps Sco	2.2910	4250.0	92	43175	No

102	GOM_NL__2PRFIN20100603_072241_000000502090_00035_43175_2800.N1	03-JUN-2010 07:22:41	Bright	49.500	136	23Tau Sco	2.8220	30000.	99	43175	No
103	GOM_NL__2PRFIN20100603_072615_000000462090_00035_43175_2801.N1	03-JUN-2010 07:26:15	Bright	46.000	86	35Eta Oph	2.4300	10200.	92	43175	No
104	GOM_NL__2PRFIN20100603_072805_000000412090_00035_43175_2802.N1	03-JUN-2010 07:28:05	Bright	40.500	98	13Zet Oph	2.5710	30000.	81	43175	No
105	GOM_NL__2PRFIN20100603_073015_000000392090_00035_43175_2803.N1	03-JUN-2010 07:30:15	Bright	38.500	120	1Del Oph	2.7340	3200.0	77	43175	No
106	GOM_NL__2PRFIN20100603_073315_000000362090_00035_43175_2804.N1	03-JUN-2010 07:33:15	Bright	36.000	102	24Alp Ser	2.6000	4250.0	72	43175	No
107	GOM_NL__2PRFIN20100603_073814_000000422090_00035_43175_2805.N1	03-JUN-2010 07:38:14	Bright	41.500	127	27Bet Her	2.7810	4700.0	83	43175	No
108	GOM_NL__2PRFIN20100603_074136_000000412090_00035_43175_2806.N1	03-JUN-2010 07:41:36	Bright	40.500	133	40Zet Her	2.8070	6000.0	81	43175	No
109	GOM_NL__2PRFIN20100603_074938_000000402090_00035_43175_2807.N1	03-JUN-2010 07:49:38	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	43175	No
110	GOM_NL__2PRFIN20100603_075952_000000312090_00035_43175_2808.N1	03-JUN-2010 07:59:52	Twi_and_stray	31.000	89	5Alp Cep	2.4510	8000.0	62	43175	No
111	GOM_NL__2PRFIN20100603_080507_000000562090_00035_43175_2809.N1	03-JUN-2010 08:05:07	Bright	56.000	76	27Gam Cas	2.3000	30000.	112	43175	No
112	GOM_NL__2PRFIN20100603_081258_000000472090_00035_43175_2810.N1	03-JUN-2010 08:12:58	Bright	46.500	53	43Bet And	2.0480	3300.0	93	43175	No
113	GOM_NL__2PRFIN20100603_082049_000000522090_00035_43175_2811.N1	03-JUN-2010 08:20:49	Dark	52.000	140	88Gam Peg	2.8340	26000.	104	43175	No
114	GOM_NL__2PRFIN20100603_082952_000000492090_00035_43175_2812.N1	03-JUN-2010 08:29:52	Dark	49.000	52	16Bet Cet	2.0370	4500.0	98	43175	No
115	GOM_NL__2PRFIN20100603_083632_000000462090_00035_43175_2813.N1	03-JUN-2010 08:36:32	Dark	46.000	84	Alp Phe	2.3970	4500.0	92	43175	No
116	GOM_NL__2PRFIN20100603_083854_000000552090_00035_43175_2814.N1	03-JUN-2010 08:38:54	Dark	55.000	18	24Alp PsA	1.1660	9700.0	110	43175	No
117	GOM_NL__2PRFIN20100603_084200_000000632090_00036_43176_2802.N1	03-JUN-2010 08:42:00	Dark	62.500	63	Bet Gru	2.1500	2800.0	125	43176	No
118	GOM_NL__2PRFIN20100603_084355_000000512090_00036_43176_2803.N1	03-JUN-2010 08:43:55	Dark	50.500	31	Alp Gru	1.7340	15200.	101	43176	No
119	GOM_NL__2PRFIN20100603_084846_000000452090_00036_43176_2804.N1	03-JUN-2010 08:48:46	Straylight	44.500	45	Alp Pav	1.9400	26000.	89	43176	No
120	GOM_NL__2PRFIN20100603_085604_000000412090_00036_43176_2805.N1	03-JUN-2010 08:56:04	Straylight	41.000	147	Alp Ara	2.8770	26000.	82	43176	No
121	GOM_NL__2PRFIN20100603_085747_000000502090_00036_43176_2806.N1	03-JUN-2010 08:57:47	Straylight	49.500	40	The Sco	1.8590	7100.0	99	43176	No
122	GOM_NL__2PRFIN20100603_085934_000000492090_00036_43176_2807.N1	03-JUN-2010 08:59:34	Twi_and_stray	49.000	25	35Lam Sco	1.6200	28000.	98	43176	No
123	GOM_NL__2PRFIN20100603_090116_000000482090_00036_43176_2808.N1	03-JUN-2010 09:01:16	Twi_and_stray	48.000	75	26Eps Sco	2.2910	4250.0	96	43176	No
124	GOM_NL__2PRFIN20100603_090317_000000522090_00036_43176_2809.N1	03-JUN-2010 09:03:17	Bright	51.500	136	23Tau Sco	2.8220	30000.	103	43176	No
125	GOM_NL__2PRFIN20100603_090651_000000462090_00036_43176_2810.N1	03-JUN-2010 09:06:51	Bright	45.500	86	35Eta Oph	2.4300	10200.	91	43176	No
126	GOM_NL__2PRFIN20100603_090841_000000412090_00036_43176_2811.N1	03-JUN-2010 09:08:41	Bright	40.500	98	13Zet Oph	2.5710	30000.	81	43176	No
127	GOM_NL__2PRFIN20100603_091051_000000392090_00036_43176_2812.N1	03-JUN-2010 09:10:51	Bright	39.000	120	1Del Oph	2.7340	3200.0	78	43176	No
128	GOM_NL__2PRFIN20100603_091351_000000372090_00036_43176_2813.N1	03-JUN-2010 09:13:51	Bright	36.500	102	24Alp Ser	2.6000	4250.0	73	43176	No
129	GOM_NL__2PRFIN20100603_091849_000000432090_00036_43176_2814.N1	03-JUN-2010 09:18:49	Bright	43.000	127	27Bet Her	2.7810	4700.0	86	43176	No
130	GOM_NL__2PRFIN20100603_092211_000000432090_00036_43176_2815.N1	03-JUN-2010 09:22:11	Bright	43.000	133	40Zet Her	2.8070	6000.0	86	43176	No
131	GOM_NL__2PRFIN20100603_093013_000000382090_00036_43176_2816.N1	03-JUN-2010 09:30:13	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	43176	No
132	GOM_NL__2PRFIN20100603_094027_000000302090_00036_43176_2817.N1	03-JUN-2010 09:40:27	Twi_and_stray	30.000	89	5Alp Cep	2.4510	8000.0	60	43176	No
133	GOM_NL__2PRFIN20100603_094543_000000562090_00036_43176_2818.N1	03-JUN-2010 09:45:43	Bright	56.000	76	27Gam Cas	2.3000	30000.	112	43176	No
134	GOM_NL__2PRFIN20100603_095334_000000442090_00036_43176_2819.N1	03-JUN-2010 09:53:34	Bright	44.000	53	43Bet And	2.0480	3300.0	88	43176	No
135	GOM_NL__2PRFIN20100603_100126_000000442090_00036_43176_2820.N1	03-JUN-2010 10:01:26	Dark	44.000	140	88Gam Peg	2.8340	26000.	88	43176	No
136	GOM_NL__2PRFIN20100603_101029_000000492090_00036_43176_2821.N1	03-JUN-2010 10:10:29	Dark	49.000	52	16Bet Cet	2.0370	4500.0	98	43176	No
137	GOM_NL__2PRFIN20100603_101709_000000412090_00036_43176_2822.N1	03-JUN-2010 10:17:09	Dark	41.000	84	Alp Phe	2.3970	4500.0	82	43176	No
138	GOM_NL__2PRFIN20100603_101931_000000692090_00036_43176_2823.N1	03-JUN-2010 10:19:31	Dark	68.500	18	24Alp PsA	1.1660	9700.0	137	43176	No
139	GOM_NL__2PRFIN20100603_102237_000000572090_00037_43177_2810.N1	03-JUN-2010 10:22:37	Dark	57.000	63	Bet Gru	2.1500	2800.0	114	43177	No
140	GOM_NL__2PRFIN20100603_102432_000000492090_00037_43177_2811.N1	03-JUN-2010 10:24:32	Dark	48.500	31	Alp Gru	1.7340	15200.	97	43177	No
141	GOM_NL__2PRFIN20100603_102922_000000432090_00037_43177_2812.N1	03-JUN-2010 10:29:22	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	43177	No
142	GOM_NL__2PRFIN20100603_103640_000000402090_00037_43177_2813.N1	03-JUN-2010 10:36:40	Straylight	40.000	147	Alp Ara	2.8770	26000.	80	43177	No
143	GOM_NL__2PRFIN20100603_103823_000000482090_00037_43177_2814.N1	03-JUN-2010 10:38:23	Straylight	48.000	40	The Sco	1.8590	7100.0	96	43177	No
144	GOM_NL__2PRFIN20100603_104010_000000502090_00037_43177_2815.N1	03-JUN-2010 10:40:10	Twi_and_stray	49.500	25	35Lam Sco	1.6200	28000.	99	43177	No
145	GOM_NL__2PRFIN20100603_104153_000000462090_00037_43177_2816.N1	03-JUN-2010 10:41:53	Twi_and_stray	45.500	75	26Eps Sco	2.2910	4250.0	91	43177	No
146	GOM_NL__2PRFIN20100603_104353_000000452090_00037_43177_2817.N1	03-JUN-2010 10:43:53	Bright	44.500	136	23Tau Sco	2.8220	30000.	89	43177	No
147	GOM_NL__2PRFIN20100603_104727_000000442090_00037_43177_2818.N1	03-JUN-2010 10:47:27	Bright	43.500	86	35Eta Oph	2.4300	10200.	87	43177	No
148	GOM_NL__2PRFIN20100603_104917_000000422090_00037_43177_2819.N1	03-JUN-2010 10:49:17	Bright	41.500	98	13Zet Oph	2.5710	30000.	83	43177	No
149	GOM_NL__2PRFIN20100603_105127_000000392090_00037_43177_2820.N1	03-JUN-2010 10:51:27	Bright	38.500	120	1Del Oph	2.7340	3200.0	77	43177	No
150	GOM_NL__2PRFIN20100603_105427_000000372090_00037_43177_2821.N1	03-JUN-2010 10:54:27	Bright	36.500	102	24Alp Ser	2.6000	4250.0	73	43177	No
151	GOM_NL__2PRFIN20100603_105925_000000412090_00037_43177_2822.N1	03-JUN-2010 10:59:25	Bright	41.000	127	27Bet Her	2.7810	4700.0	82	43177	No
152	GOM_NL__2PRFIN20100603_110246_000000432090_00037_43177_2823.N1	03-JUN-2010 11:02:46	Bright	42.500	133	40Zet Her	2.8070	6000.0	85	43177	No
153	GOM_NL__2PRFIN20100603_111049_000000392090_00037_43177_2824.N1	03-JUN-2010 11:10:49	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	43177	No
154	GOM_NL__2PRFIN20100603_112103_000000302090_00037_43177_2825.N1	03-JUN-2010 11:21:03	Twi_and_stray	30.000	89	5Alp Cep	2.4510	8000.0	60	43177	No
155	GOM_NL__2PRFIN20100603_112618_000000372090_00037_43177_2826.N1	03-JUN-2010 11:26:18	Bright	36.500	76	27Gam Cas	2.3000	30000.	73	43177	No
156	GOM_NL__2PRFIN20100603_113410_000000492090_00037_43177_2827.N1	03-JUN-2010 11:34:10	Bright	48.500	53	43Bet And	2.0480	3300.0	97	43177	No
157	GOM_NL__2PRFIN20100603_114202_000000442090_00037_43177_2828.N1	03-JUN-2010 11:42:02	Dark	44.000	140	88Gam Peg	2.8340	26000.	88	43177	No
158	GOM_NL__2PRFIN20100603_115105_000000492090_00037_43177_2829.N1	03-JUN-2010 11:51:05	Dark	48.500	52	16Bet Cet	2.0370	4500.0	97	43177	No
159	GOM_NL__2PRFIN20100603_115745_000000472090_00037_43177_2830.N1	03-JUN-2010 11:57:45	Dark	47.000	84	Alp Phe	2.3970	4500.0	94	43177	No
160	GOM_NL__2PRFIN20100603_120008_000000562090_00037_43177_2831.N1	03-JUN-2010 12:00:08	Dark	55.500	18	24Alp PsA	1.1660	9700.0	111	43177	No

161	GOM_NL__2PRFIN20100603_120314_000000512090_00038_43178_2818.N1	03-JUN-2010 12:03:14	Dark	50.500	63	Bet Gru	2.1500	2800.0	101	43178	No
162	GOM_NL__2PRFIN20100603_120509_000000452090_00038_43178_2819.N1	03-JUN-2010 12:05:09	Dark	45.000	31	Alp Gru	1.7340	15200.	90	43178	No
163	GOM_NL__2PRFIN20100603_120959_000000442090_00038_43178_2820.N1	03-JUN-2010 12:09:59	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	43178	No
164	GOM_NL__2PRFIN20100603_121717_000000402090_00038_43178_2821.N1	03-JUN-2010 12:17:17	Straylight	40.000	147	Alp Ara	2.8770	26000.	80	43178	No
165	GOM_NL__2PRFIN20100603_121859_000000472090_00038_43178_2822.N1	03-JUN-2010 12:18:59	Straylight	47.000	40	The Sco	1.8590	7100.0	94	43178	No
166	GOM_NL__2PRFIN20100603_122046_000000492090_00038_43178_2823.N1	03-JUN-2010 12:20:46	Tw_i_and_stray	48.500	25	35Lam Sco	1.6200	28000.	97	43178	No
167	GOM_NL__2PRFIN20100603_122229_000000472090_00038_43178_2824.N1	03-JUN-2010 12:22:29	Tw_i_and_stray	47.000	75	26Eps Sco	2.2910	4250.0	94	43178	No
168	GOM_NL__2PRFIN20100603_122430_000000492090_00038_43178_2825.N1	03-JUN-2010 12:24:30	Bright	48.500	136	23Tau Sco	2.8220	30000.	97	43178	No
169	GOM_NL__2PRFIN20100603_122803_000000462090_00038_43178_2826.N1	03-JUN-2010 12:28:03	Bright	46.000	86	35Eta Oph	2.4300	10200.	92	43178	No
170	GOM_NL__2PRFIN20100603_122952_000000422090_00038_43178_2827.N1	03-JUN-2010 12:29:52	Bright	41.500	98	13Zet Oph	2.5710	30000.	83	43178	No
171	GOM_NL__2PRFIN20100603_123203_000000392090_00038_43178_2828.N1	03-JUN-2010 12:32:03	Bright	38.500	120	1Del Oph	2.7340	3200.0	77	43178	No
172	GOM_NL__2PRFIN20100603_123503_000000372090_00038_43178_2829.N1	03-JUN-2010 12:35:03	Bright	36.500	102	24Alp Ser	2.6000	4250.0	73	43178	No
173	GOM_NL__2PRFIN20100603_124000_000000422090_00038_43178_2830.N1	03-JUN-2010 12:40:00	Bright	42.000	127	27Bet Her	2.7810	4700.0	84	43178	No
174	GOM_NL__2PRFIN20100603_124322_000000412090_00038_43178_2831.N1	03-JUN-2010 12:43:22	Bright	40.500	133	40Zet Her	2.8070	6000.0	81	43178	No
175	GOM_NL__2PRFIN20100603_125125_000000412090_00038_43178_2832.N1	03-JUN-2010 12:51:25	Bright	40.500	119	14Eta Dra	2.7270	4700.0	81	43178	No
176	GOM_NL__2PRFIN20100603_130138_000000292090_00038_43178_2833.N1	03-JUN-2010 13:01:38	Tw_i_and_stray	29.000	89	5Alp Cep	2.4510	8000.0	58	43178	No
177	GOM_NL__2PRFIN20100603_130654_000000562090_00038_43178_2834.N1	03-JUN-2010 13:06:54	Bright	56.000	76	27Gam Cas	2.3000	30000.	112	43178	No
178	GOM_NL__2PRFIN20100603_131446_000000492090_00038_43178_2835.N1	03-JUN-2010 13:14:46	Bright	48.500	53	43Bet And	2.0480	3300.0	97	43178	No
179	GOM_NL__2PRFIN20100603_132239_000000392090_00038_43178_2836.N1	03-JUN-2010 13:22:39	Dark	39.000	140	88Gam Peg	2.8340	26000.	78	43178	No
180	GOM_NL__2PRFIN20100603_133142_000000482090_00038_43178_2837.N1	03-JUN-2010 13:31:42	Dark	48.000	52	16Bet Cet	2.0370	4500.0	96	43178	No
181	GOM_NL__2PRFIN20100603_133821_000000442090_00038_43178_2838.N1	03-JUN-2010 13:38:21	Dark	43.500	84	Alp Phe	2.3970	4500.0	87	43178	No
182	GOM_NL__2PRFIN20100603_134046_000000682090_00038_43178_2839.N1	03-JUN-2010 13:40:46	Dark	67.500	18	24Alp PsA	1.1660	9700.0	135	43178	No
183	GOM_NL__2PRFIN20100603_152428_000000492090_00040_43180_2835.N1	03-JUN-2010 15:24:28	Dark	49.000	63	Bet Gru	2.1500	2800.0	98	43180	No
184	GOM_NL__2PRFIN20100603_152623_000000482090_00040_43180_2836.N1	03-JUN-2010 15:26:23	Dark	47.500	31	Alp Gru	1.7340	15200.	95	43180	No
185	GOM_NL__2PRFIN20100603_153112_000000432090_00040_43180_2837.N1	03-JUN-2010 15:31:12	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	43180	No
186	GOM_NL__2PRFIN20100603_153830_000000422090_00040_43180_2838.N1	03-JUN-2010 15:38:30	Straylight	42.000	147	Alp Ara	2.8770	26000.	84	43180	No
187	GOM_NL__2PRFIN20100603_154012_000000462090_00040_43180_2839.N1	03-JUN-2010 15:40:12	Straylight	46.000	40	The Sco	1.8590	7100.0	92	43180	No
188	GOM_NL__2PRFIN20100603_154159_000000472090_00040_43180_2840.N1	03-JUN-2010 15:41:59	Tw_i_and_stray	46.500	25	35Lam Sco	1.6200	28000.	93	43180	No
189	GOM_NL__2PRFIN20100603_154341_000000482090_00040_43180_2841.N1	03-JUN-2010 15:43:41	Tw_i_and_stray	47.500	75	26Eps Sco	2.2910	4250.0	95	43180	No
190	GOM_NL__2PRFIN20100603_154542_000000462090_00040_43180_2842.N1	03-JUN-2010 15:45:42	Bright	46.000	136	23Tau Sco	2.8220	30000.	92	43180	No
191	GOM_NL__2PRFIN20100603_154915_000000442090_00040_43180_2843.N1	03-JUN-2010 15:49:15	Bright	43.500	86	35Eta Oph	2.4300	10200.	87	43180	No
192	GOM_NL__2PRFIN20100603_155105_000000422090_00040_43180_2844.N1	03-JUN-2010 15:51:05	Bright	41.500	98	13Zet Oph	2.5710	30000.	83	43180	No
193	GOM_NL__2PRFIN20100603_155315_000000392090_00040_43180_2845.N1	03-JUN-2010 15:53:15	Bright	38.500	120	1Del Oph	2.7340	3200.0	77	43180	No
194	GOM_NL__2PRFIN20100603_155615_000000372090_00040_43180_2846.N1	03-JUN-2010 15:56:15	Bright	36.500	102	24Alp Ser	2.6000	4250.0	73	43180	No
195	GOM_NL__2PRFIN20100603_160111_000000422090_00040_43180_2847.N1	03-JUN-2010 16:01:11	Bright	41.500	127	27Bet Her	2.7810	4700.0	83	43180	No
196	GOM_NL__2PRFIN20100603_160433_000000412090_00040_43180_2848.N1	03-JUN-2010 16:04:33	Bright	40.500	133	40Zet Her	2.8070	6000.0	81	43180	No
197	GOM_NL__2PRFIN20100603_161236_000000402090_00040_43180_2849.N1	03-JUN-2010 16:12:36	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	43180	No
198	GOM_NL__2PRFIN20100603_162248_000000482090_00040_43180_2850.N1	03-JUN-2010 16:22:48	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	43180	No
199	GOM_NL__2PRFIN20100603_162806_000000562090_00040_43180_2851.N1	03-JUN-2010 16:28:06	Bright	56.000	76	27Gam Cas	2.3000	30000.	112	43180	No
200	GOM_NL__2PRFIN20100603_163558_000000542090_00040_43180_2852.N1	03-JUN-2010 16:35:58	Bright	53.500	53	43Bet And	2.0480	3300.0	107	43180	No
201	GOM_NL__2PRFIN20100603_163844_000000562090_00040_43180_2853.N1	03-JUN-2010 16:38:44	Tw_i_and_stray	55.500	58	21Alp And	2.0730	11000.	111	43180	No
202	GOM_NL__2PRFIN20100603_164352_000000542090_00040_43180_2854.N1	03-JUN-2010 16:43:52	Dark	53.500	140	88Gam Peg	2.8340	26000.	107	43180	No
203	GOM_NL__2PRFIN20100603_165255_000000472090_00040_43180_2855.N1	03-JUN-2010 16:52:55	Dark	46.500	52	16Bet Cet	2.0370	4500.0	93	43180	No
204	GOM_NL__2PRFIN20100603_170200_000000602090_00040_43180_2856.N1	03-JUN-2010 17:02:00	Dark	60.000	18	24Alp PsA	1.1660	9700.0	120	43180	No
205	GOM_NL__2PRFIN20100603_170505_000000502090_00041_43181_2843.N1	03-JUN-2010 17:05:05	Dark	49.500	63	Bet Gru	2.1500	2800.0	99	43181	No
206	GOM_NL__2PRFIN20100603_170700_000000462090_00041_43181_2844.N1	03-JUN-2010 17:07:00	Dark	46.000	31	Alp Gru	1.7340	15200.	92	43181	No
207	GOM_NL__2PRFIN20100603_171149_000000432090_00041_43181_2845.N1	03-JUN-2010 17:11:49	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	43181	No
208	GOM_NL__2PRFIN20100603_171906_000000392090_00041_43181_2846.N1	03-JUN-2010 17:19:06	Straylight	38.500	147	Alp Ara	2.8770	26000.	77	43181	No
209	GOM_NL__2PRFIN20100603_172048_000000492090_00041_43181_2847.N1	03-JUN-2010 17:20:48	Straylight	48.500	40	The Sco	1.8590	7100.0	97	43181	No
210	GOM_NL__2PRFIN20100603_172235_000000482090_00041_43181_2848.N1	03-JUN-2010 17:22:35	Tw_i_and_stray	47.500	25	35Lam Sco	1.6200	28000.	95	43181	No
211	GOM_NL__2PRFIN20100603_172418_000000472090_00041_43181_2849.N1	03-JUN-2010 17:24:18	Tw_i_and_stray	47.000	75	26Eps Sco	2.2910	4250.0	94	43181	No
212	GOM_NL__2PRFIN20100603_172618_000000562090_00041_43181_2850.N1	03-JUN-2010 17:26:18	Bright	56.000	136	23Tau Sco	2.8220	30000.	112	43181	No
213	GOM_NL__2PRFIN20100603_172951_000000442090_00041_43181_2851.N1	03-JUN-2010 17:29:51	Bright	43.500	86	35Eta Oph	2.4300	10200.	87	43181	No
214	GOM_NL__2PRFIN20100603_173141_000000412090_00041_43181_2852.N1	03-JUN-2010 17:31:41	Bright	41.000	98	13Zet Oph	2.5710	30000.	82	43181	No
215	GOM_NL__2PRFIN20100603_173350_000000392090_00041_43181_2853.N1	03-JUN-2010 17:33:50	Bright	39.000	120	1Del Oph	2.7340	3200.0	78	43181	No
216	GOM_NL__2PRFIN20100603_173651_000000382090_00041_43181_2854.N1	03-JUN-2010 17:36:51	Bright	37.500	102	24Alp Ser	2.6000	4250.0	75	43181	No
217	GOM_NL__2PRFIN20100603_174147_000000422090_00041_43181_2855.N1	03-JUN-2010 17:41:47	Bright	42.000	127	27Bet Her	2.7810	4700.0	84	43181	No
218	GOM_NL__2PRFIN20100603_174509_000000432090_00041_43181_2856.N1	03-JUN-2010 17:45:09	Bright	42.500	133	40Zet Her	2.8070	6000.0	85	43181	No
219	GOM_NL__2PRFIN20100603_175311_000000402090_00041_43181_2857.N1	03-JUN-2010 17:53:11	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	43181	No

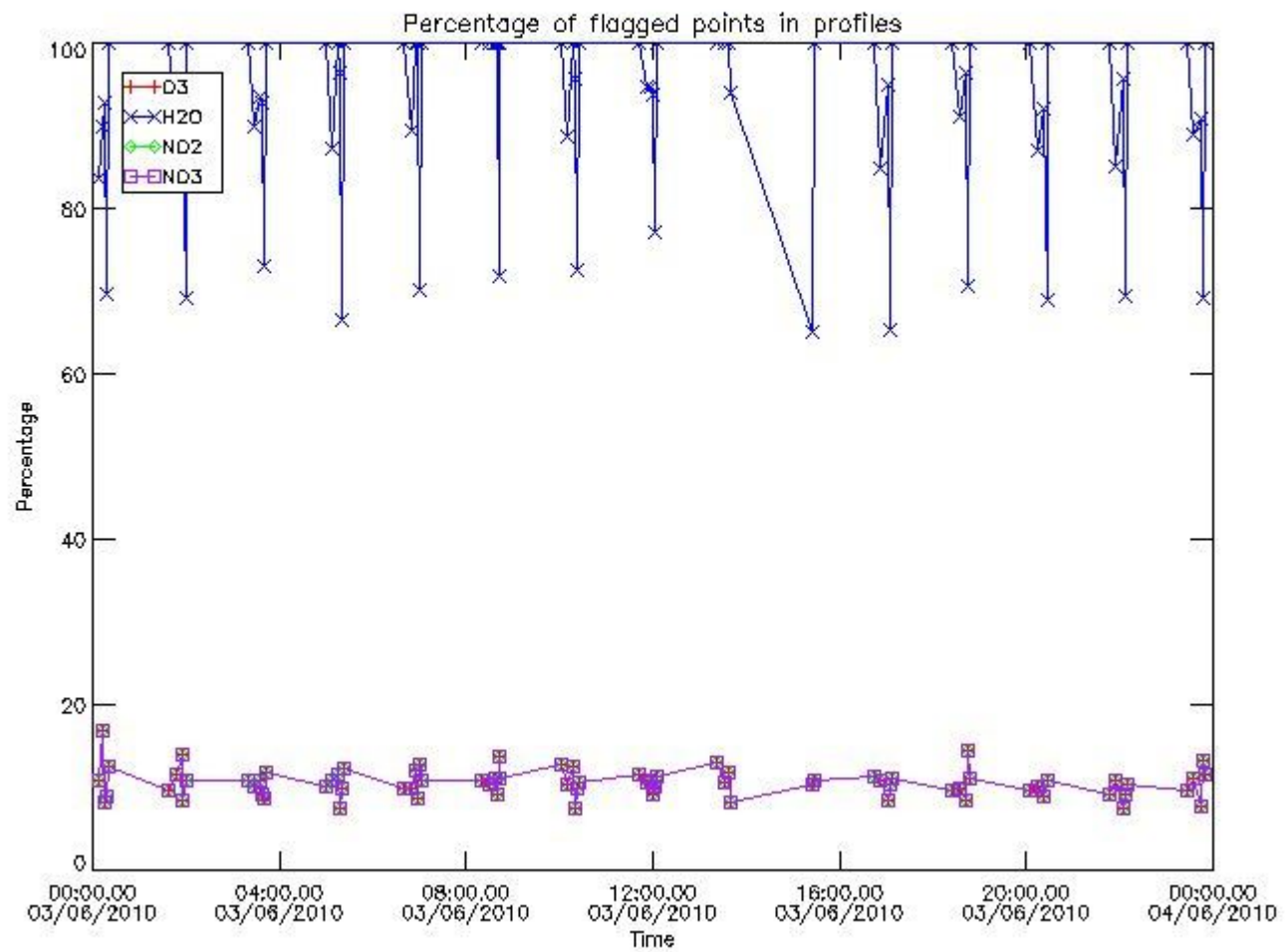
220	GOM_NL__2PRFIN20100603_180324_000000492090_00041_43181_2858.N1	03-JUN-2010 18:03:24	Bright	49.000	89	5Alp Cep	2.4510	8000.0	98	43181	No
221	GOM_NL__2PRFIN20100603_180842_000000382090_00041_43181_2859.N1	03-JUN-2010 18:08:42	Bright	38.000	76	27Gam Cas	2.3000	30000.	76	43181	No
222	GOM_NL__2PRFIN20100603_181634_000000492090_00041_43181_2860.N1	03-JUN-2010 18:16:34	Bright	48.500	53	43Bet And	2.0480	3300.0	97	43181	No
223	GOM_NL__2PRFIN20100603_181920_000000552090_00041_43181_2861.N1	03-JUN-2010 18:19:20	Tw_i_and_stray	54.500	58	21Alp And	2.0730	11000.	109	43181	No
224	GOM_NL__2PRFIN20100603_182429_000000532090_00041_43181_2862.N1	03-JUN-2010 18:24:29	Dark	53.000	140	88Gam Peg	2.8340	26000.	106	43181	No
225	GOM_NL__2PRFIN20100603_183332_000000522090_00041_43181_2863.N1	03-JUN-2010 18:33:32	Dark	51.500	52	16Bet Cet	2.0370	4500.0	103	43181	No
226	GOM_NL__2PRFIN20100603_184238_000000722090_00041_43181_2864.N1	03-JUN-2010 18:42:38	Dark	71.500	18	24Alp PsA	1.1660	9700.0	143	43181	No
227	GOM_NL__2PRFIN20100603_184541_000000602090_00042_43182_2853.N1	03-JUN-2010 18:45:41	Dark	60.000	63	Bet Gru	2.1500	2800.0	120	43182	No
228	GOM_NL__2PRFIN20100603_184737_000000462090_00042_43182_2854.N1	03-JUN-2010 18:47:37	Dark	45.500	31	Alp Gru	1.7340	15200.	91	43182	No
229	GOM_NL__2PRFIN20100603_185226_000000452090_00042_43182_2855.N1	03-JUN-2010 18:52:26	Straylight	44.500	45	Alp Pav	1.9400	26000.	89	43182	No
230	GOM_NL__2PRFIN20100603_185943_000000402090_00042_43182_2856.N1	03-JUN-2010 18:59:43	Straylight	39.500	147	Alp Ara	2.8770	26000.	79	43182	No
231	GOM_NL__2PRFIN20100603_190124_000000472090_00042_43182_2857.N1	03-JUN-2010 19:01:24	Straylight	47.000	40	The Sco	1.8590	7100.0	94	43182	No
232	GOM_NL__2PRFIN20100603_190311_000000452090_00042_43182_2858.N1	03-JUN-2010 19:03:11	Tw_i_and_stray	45.000	25	35Lam Sco	1.6200	28000.	90	43182	No
233	GOM_NL__2PRFIN20100603_190454_000000492090_00042_43182_2859.N1	03-JUN-2010 19:04:54	Tw_i_and_stray	48.500	75	26Eps Sco	2.2910	4250.0	97	43182	No
234	GOM_NL__2PRFIN20100603_190654_000000462090_00042_43182_2860.N1	03-JUN-2010 19:06:54	Bright	45.500	136	23Tau Sco	2.8220	30000.	91	43182	No
235	GOM_NL__2PRFIN20100603_191027_000000462090_00042_43182_2861.N1	03-JUN-2010 19:10:27	Bright	46.000	86	35Eta Oph	2.4300	10200.	92	43182	No
236	GOM_NL__2PRFIN20100603_191217_000000412090_00042_43182_2862.N1	03-JUN-2010 19:12:17	Bright	40.500	98	13Zet Oph	2.5710	30000.	81	43182	No
237	GOM_NL__2PRFIN20100603_191426_000000412090_00042_43182_2863.N1	03-JUN-2010 19:14:26	Bright	41.000	120	1Del Oph	2.7340	3200.0	82	43182	No
238	GOM_NL__2PRFIN20100603_191727_000000362090_00042_43182_2864.N1	03-JUN-2010 19:17:27	Bright	36.000	102	24Alp Ser	2.6000	4250.0	72	43182	No
239	GOM_NL__2PRFIN20100603_192223_000000422090_00042_43182_2865.N1	03-JUN-2010 19:22:23	Bright	41.500	127	27Bet Her	2.7810	4700.0	83	43182	No
240	GOM_NL__2PRFIN20100603_192544_000000412090_00042_43182_2866.N1	03-JUN-2010 19:25:44	Bright	41.000	133	40Zet Her	2.8070	6000.0	82	43182	No
241	GOM_NL__2PRFIN20100603_193347_000000392090_00042_43182_2867.N1	03-JUN-2010 19:33:47	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	43182	No
242	GOM_NL__2PRFIN20100603_194359_000000492090_00042_43182_2868.N1	03-JUN-2010 19:43:59	Bright	48.500	89	5Alp Cep	2.4510	8000.0	97	43182	No
243	GOM_NL__2PRFIN20100603_194918_000000372090_00042_43182_2869.N1	03-JUN-2010 19:49:18	Bright	36.500	76	27Gam Cas	2.3000	30000.	73	43182	No
244	GOM_NL__2PRFIN20100603_195710_000000582090_00042_43182_2870.N1	03-JUN-2010 19:57:10	Bright	58.000	53	43Bet And	2.0480	3300.0	116	43182	No
245	GOM_NL__2PRFIN20100603_195956_000000572090_00042_43182_2871.N1	03-JUN-2010 19:59:56	Tw_i_and_stray	57.000	58	21Alp And	2.0730	11000.	114	43182	No
246	GOM_NL__2PRFIN20100603_200505_000000542090_00042_43182_2872.N1	03-JUN-2010 20:05:05	Dark	53.500	140	88Gam Peg	2.8340	26000.	107	43182	No
247	GOM_NL__2PRFIN20100603_201409_000000512090_00042_43182_2873.N1	03-JUN-2010 20:14:09	Dark	50.500	52	16Bet Cet	2.0370	4500.0	101	43182	No
248	GOM_NL__2PRFIN20100603_202315_000000582090_00042_43182_2874.N1	03-JUN-2010 20:23:15	Dark	57.500	18	24Alp PsA	1.1660	9700.0	115	43182	No
249	GOM_NL__2PRFIN20100603_202618_000000472090_00043_43183_2861.N1	03-JUN-2010 20:26:18	Dark	47.000	63	Bet Gru	2.1500	2800.0	94	43183	No
250	GOM_NL__2PRFIN20100603_202814_000000482090_00043_43183_2862.N1	03-JUN-2010 20:28:14	Dark	47.500	31	Alp Gru	1.7340	15200.	95	43183	No
251	GOM_NL__2PRFIN20100603_203302_000000432090_00043_43183_2863.N1	03-JUN-2010 20:33:02	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	43183	No
252	GOM_NL__2PRFIN20100603_204019_000000412090_00043_43183_2864.N1	03-JUN-2010 20:40:19	Straylight	40.500	147	Alp Ara	2.8770	26000.	81	43183	No
253	GOM_NL__2PRFIN20100603_204201_000000492090_00043_43183_2865.N1	03-JUN-2010 20:42:01	Straylight	49.000	40	The Sco	1.8590	7100.0	98	43183	No
254	GOM_NL__2PRFIN20100603_204348_000000472090_00043_43183_2866.N1	03-JUN-2010 20:43:48	Tw_i_and_stray	47.000	25	35Lam Sco	1.6200	28000.	94	43183	No
255	GOM_NL__2PRFIN20100603_204530_000000452090_00043_43183_2867.N1	03-JUN-2010 20:45:30	Tw_i_and_stray	44.500	75	26Eps Sco	2.2910	4250.0	89	43183	No
256	GOM_NL__2PRFIN20100603_204730_000000512090_00043_43183_2868.N1	03-JUN-2010 20:47:30	Bright	50.500	136	23Tau Sco	2.8220	30000.	101	43183	No
257	GOM_NL__2PRFIN20100603_205103_000000452090_00043_43183_2869.N1	03-JUN-2010 20:51:03	Bright	45.000	86	35Eta Oph	2.4300	10200.	90	43183	No
258	GOM_NL__2PRFIN20100603_205253_000000412090_00043_43183_2870.N1	03-JUN-2010 20:52:53	Bright	40.500	98	13Zet Oph	2.5710	30000.	81	43183	No
259	GOM_NL__2PRFIN20100603_205502_000000392090_00043_43183_2871.N1	03-JUN-2010 20:55:02	Bright	39.000	120	1Del Oph	2.7340	3200.0	78	43183	No
260	GOM_NL__2PRFIN20100603_205803_000000362090_00043_43183_2872.N1	03-JUN-2010 20:58:03	Bright	36.000	102	24Alp Ser	2.6000	4250.0	72	43183	No
261	GOM_NL__2PRFIN20100603_210258_000000432090_00043_43183_2873.N1	03-JUN-2010 21:02:58	Bright	42.500	127	27Bet Her	2.7810	4700.0	85	43183	No
262	GOM_NL__2PRFIN20100603_210620_000000442090_00043_43183_2874.N1	03-JUN-2010 21:06:20	Bright	44.000	133	40Zet Her	2.8070	6000.0	88	43183	No
263	GOM_NL__2PRFIN20100603_211423_000000382090_00043_43183_2875.N1	03-JUN-2010 21:14:23	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	43183	No
264	GOM_NL__2PRFIN20100603_212435_000000482090_00043_43183_2876.N1	03-JUN-2010 21:24:35	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	43183	No
265	GOM_NL__2PRFIN20100603_212954_000000562090_00043_43183_2877.N1	03-JUN-2010 21:29:54	Bright	56.000	76	27Gam Cas	2.3000	30000.	112	43183	No
266	GOM_NL__2PRFIN20100603_213746_000000492090_00043_43183_2878.N1	03-JUN-2010 21:37:46	Bright	48.500	53	43Bet And	2.0480	3300.0	97	43183	No
267	GOM_NL__2PRFIN20100603_214032_000000572090_00043_43183_2879.N1	03-JUN-2010 21:40:32	Tw_i_and_stray	56.500	58	21Alp And	2.0730	11000.	113	43183	No
268	GOM_NL__2PRFIN20100603_214541_000000552090_00043_43183_2880.N1	03-JUN-2010 21:45:41	Dark	54.500	140	88Gam Peg	2.8340	26000.	109	43183	No
269	GOM_NL__2PRFIN20100603_215445_000000472090_00043_43183_2881.N1	03-JUN-2010 21:54:45	Dark	47.000	52	16Bet Cet	2.0370	4500.0	94	43183	No
270	GOM_NL__2PRFIN20100603_220352_000000682090_00043_43183_2882.N1	03-JUN-2010 22:03:52	Dark	68.000	18	24Alp PsA	1.1660	9700.0	136	43183	No
271	GOM_NL__2PRFIN20100603_220655_000000612090_00044_43184_2889.N1	03-JUN-2010 22:06:55	Dark	61.000	63	Bet Gru	2.1500	2800.0	122	43184	No
272	GOM_NL__2PRFIN20100603_220850_000000492090_00044_43184_2890.N1	03-JUN-2010 22:08:50	Dark	49.000	31	Alp Gru	1.7340	15200.	98	43184	No
273	GOM_NL__2PRFIN20100603_221339_000000422090_00044_43184_2891.N1	03-JUN-2010 22:13:39	Straylight	41.500	45	Alp Pav	1.9400	26000.	83	43184	No
274	GOM_NL__2PRFIN20100603_222055_000000442090_00044_43184_2892.N1	03-JUN-2010 22:20:55	Straylight	43.500	147	Alp Ara	2.8770	26000.	87	43184	No
275	GOM_NL__2PRFIN20100603_222237_000000472090_00044_43184_2893.N1	03-JUN-2010 22:22:37	Straylight	46.500	40	The Sco	1.8590	7100.0	93	43184	No
276	GOM_NL__2PRFIN20100603_222424_000000462090_00044_43184_2894.N1	03-JUN-2010 22:24:24	Tw_i_and_stray	45.500	25	35Lam Sco	1.6200	28000.	91	43184	No
277	GOM_NL__2PRFIN20100603_222606_000000442090_00044_43184_2895.N1	03-JUN-2010 22:26:06	Tw_i_and_stray	43.500	75	26Eps Sco	2.2910	4250.0	87	43184	No
278	GOM_NL__2PRFIN20100603_222806_000000462090_00044_43184_2896.N1	03-JUN-2010 22:28:06	Bright	46.000	136	23Tau Sco	2.8220	30000.	92	43184	No

279	GOM_NL__2PRFIN20100603_223139_000000452090_00044_43184_2897.N1	03-JUN-2010 22:31:39	Bright	44.500	86	35Eta Oph	2.4300	10200.	89	43184	No
280	GOM_NL__2PRFIN20100603_223329_000000412090_00044_43184_2898.N1	03-JUN-2010 22:33:29	Bright	40.500	98	13Zet Oph	2.5710	30000.	81	43184	No
281	GOM_NL__2PRFIN20100603_223538_000000412090_00044_43184_2899.N1	03-JUN-2010 22:35:38	Bright	41.000	120	1Del Oph	2.7340	3200.0	82	43184	No
282	GOM_NL__2PRFIN20100603_223838_000000362090_00044_43184_2900.N1	03-JUN-2010 22:38:38	Bright	36.000	102	24Alp Ser	2.6000	4250.0	72	43184	No
283	GOM_NL__2PRFIN20100603_224334_000000422090_00044_43184_2901.N1	03-JUN-2010 22:43:34	Bright	41.500	127	27Bet Her	2.7810	4700.0	83	43184	No
284	GOM_NL__2PRFIN20100603_224655_000000422090_00044_43184_2902.N1	03-JUN-2010 22:46:55	Bright	41.500	133	40Zet Her	2.8070	6000.0	83	43184	No
285	GOM_NL__2PRFIN20100603_225459_000000412090_00044_43184_2903.N1	03-JUN-2010 22:54:59	Bright	40.500	119	14Eta Dra	2.7270	4700.0	81	43184	No
286	GOM_NL__2PRFIN20100603_230510_000000492090_00044_43184_2904.N1	03-JUN-2010 23:05:10	Bright	48.500	89	5Alp Cep	2.4510	8000.0	97	43184	No
287	GOM_NL__2PRFIN20100603_231029_000000542090_00044_43184_2905.N1	03-JUN-2010 23:10:29	Bright	53.500	76	27Gam Cas	2.3000	30000.	107	43184	No
288	GOM_NL__2PRFIN20100603_231822_000000482090_00044_43184_2906.N1	03-JUN-2010 23:18:22	Bright	48.000	53	43Bet And	2.0480	3300.0	96	43184	No
289	GOM_NL__2PRFIN20100603_232108_000000562090_00044_43184_2907.N1	03-JUN-2010 23:21:08	Twilight	56.000	58	21Alp And	2.0730	11000.	112	43184	No
290	GOM_NL__2PRFIN20100603_232618_000000542090_00044_43184_2908.N1	03-JUN-2010 23:26:18	Dark	53.500	140	88Gam Peg	2.8340	26000.	107	43184	No
291	GOM_NL__2PRFIN20100603_233521_000000462090_00044_43184_2909.N1	03-JUN-2010 23:35:21	Dark	46.000	52	16Bet Cet	2.0370	4500.0	92	43184	No
292	GOM_NL__2PRFIN20100603_234429_000000672090_00044_43184_2910.N1	03-JUN-2010 23:44:29	Dark	66.500	18	24Alp PsA	1.1660	9700.0	133	43184	No
293	GOM_NL__2PRFIN20100603_234732_000000572090_00045_43185_2897.N1	03-JUN-2010 23:47:32	Dark	57.000	63	Bet Gru	2.1500	2800.0	114	43185	No
294	GOM_NL__2PRFIN20100603_234927_000000442090_00045_43185_2898.N1	03-JUN-2010 23:49:27	Dark	44.000	31	Alp Gru	1.7340	15200.	88	43185	No
295	GOM_NL__2PRFIN20100603_235415_000000432090_00045_43185_2899.N1	03-JUN-2010 23:54:15	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	43185	No

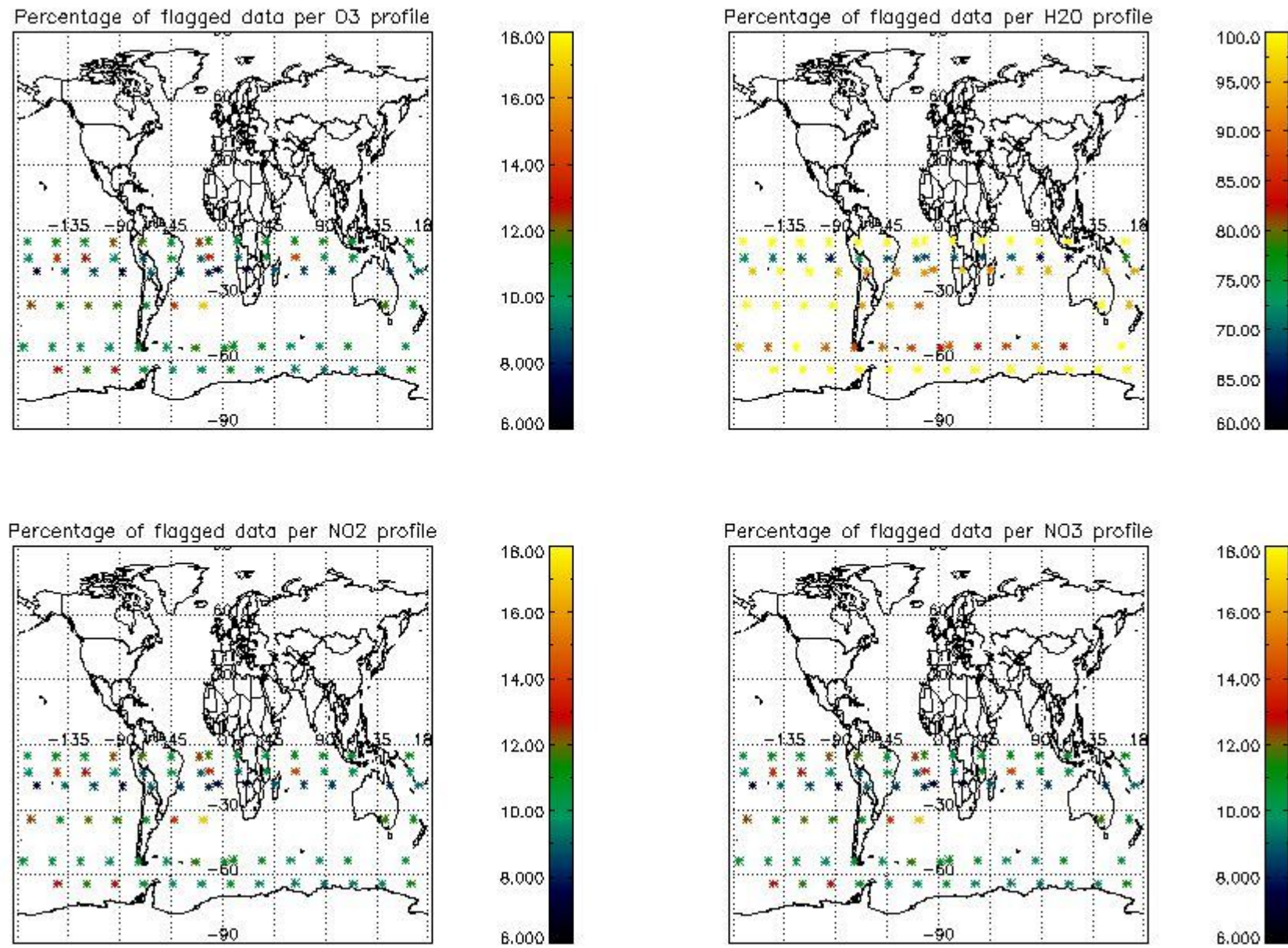
### 3. Quality information per product

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)



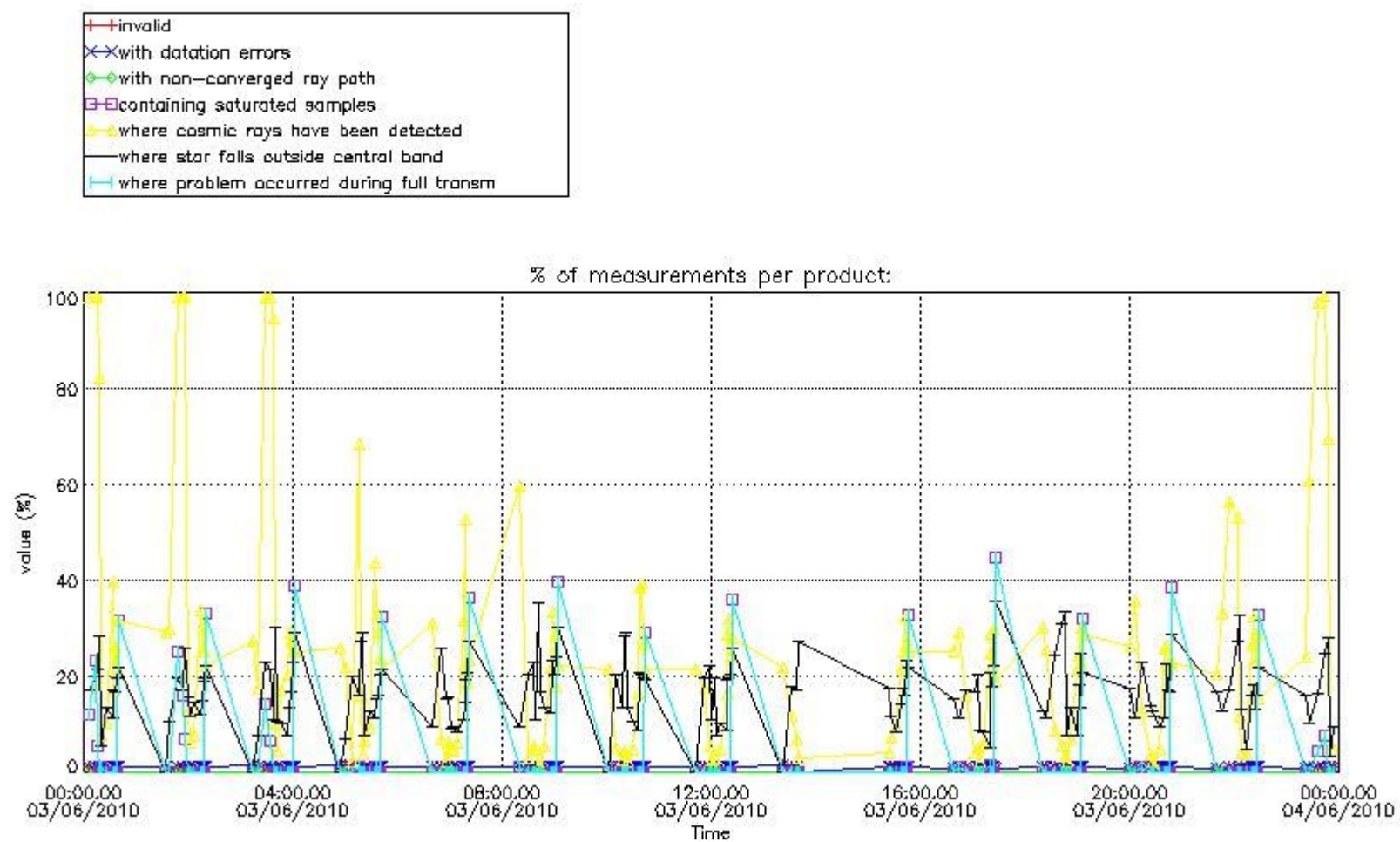
### 4. Level 1 quality information per product

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.

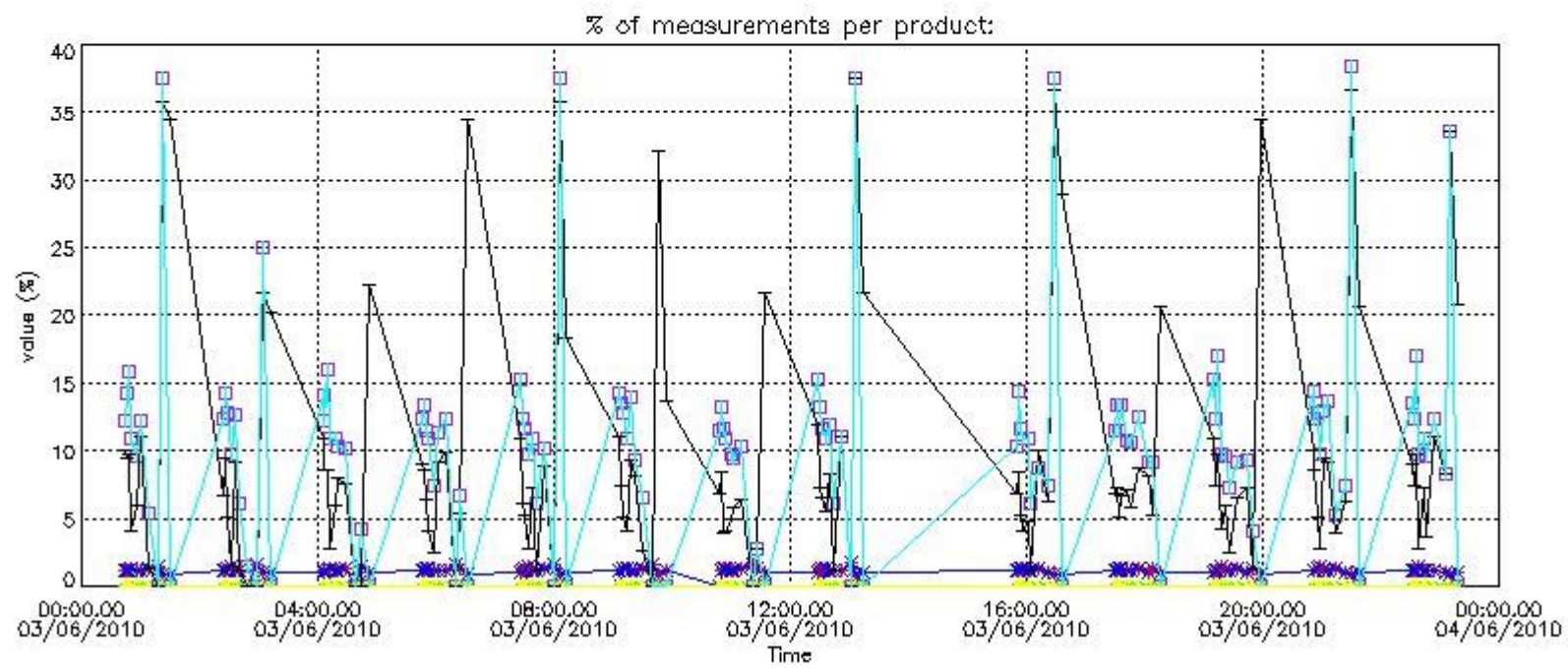
#### 4.1 Plot quality information per product (time dependant) coming from level 1b processing

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





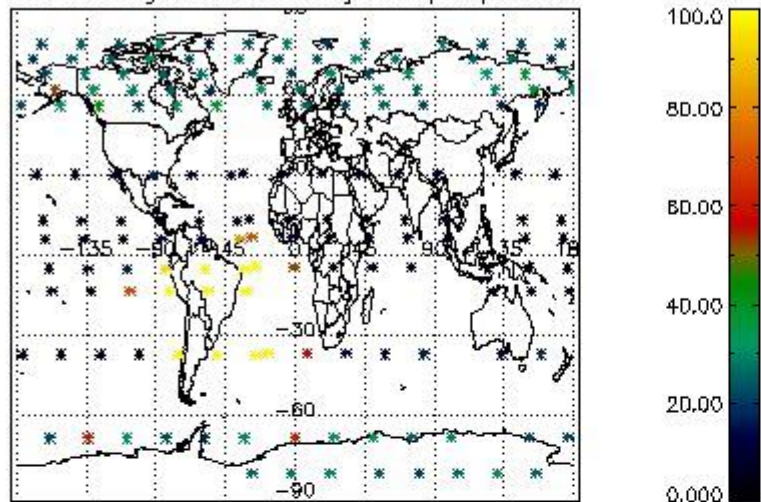
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



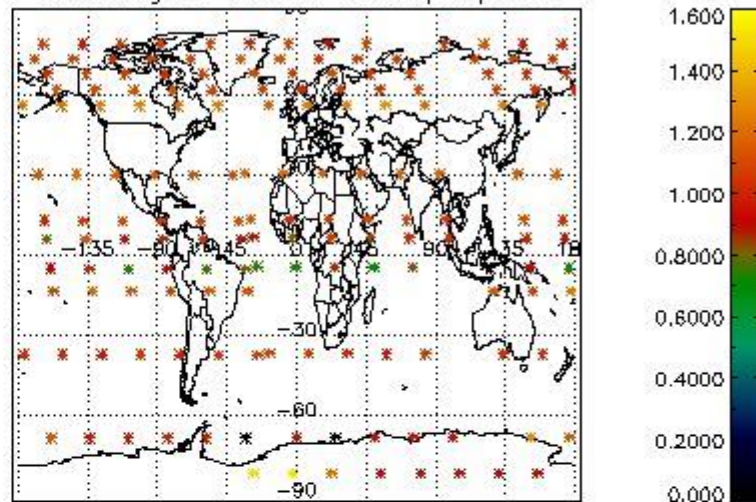
*4.2 Plot quality information per product coming from level 1b processing (world map)*

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

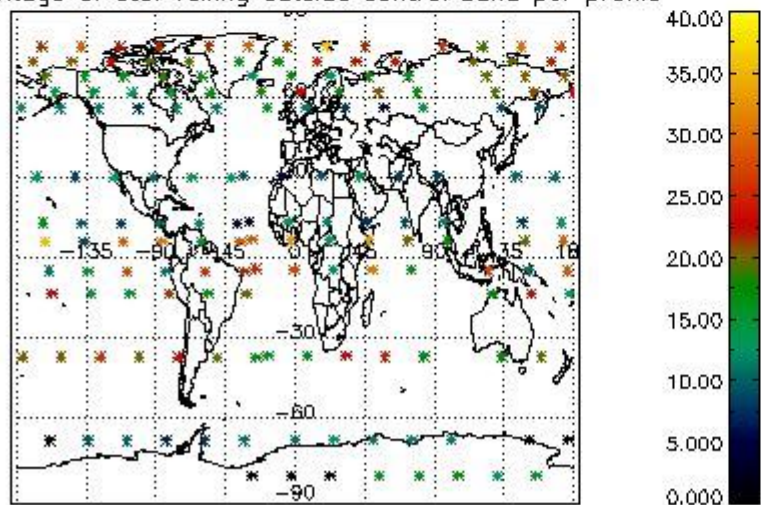
Percentage of cosmic ray hits per profile



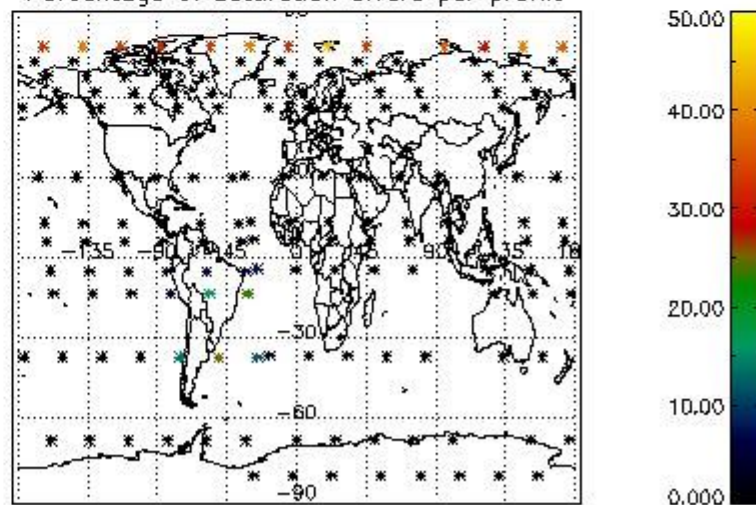
Percentage of datation errors per profile



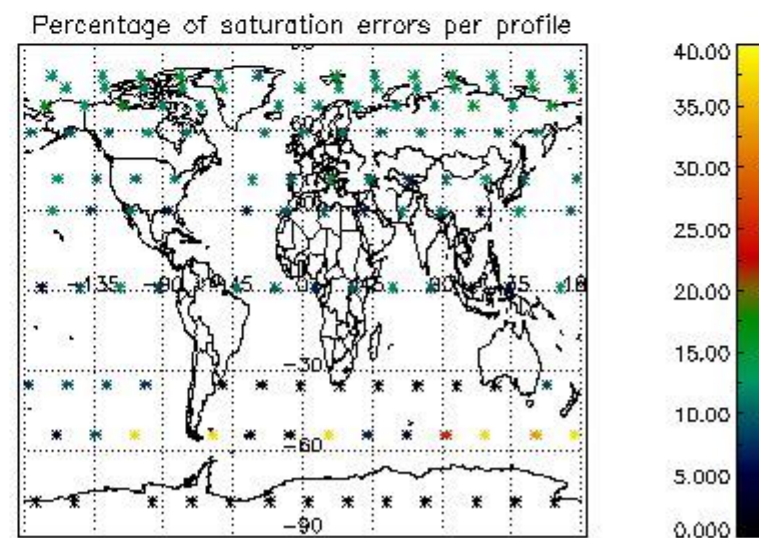
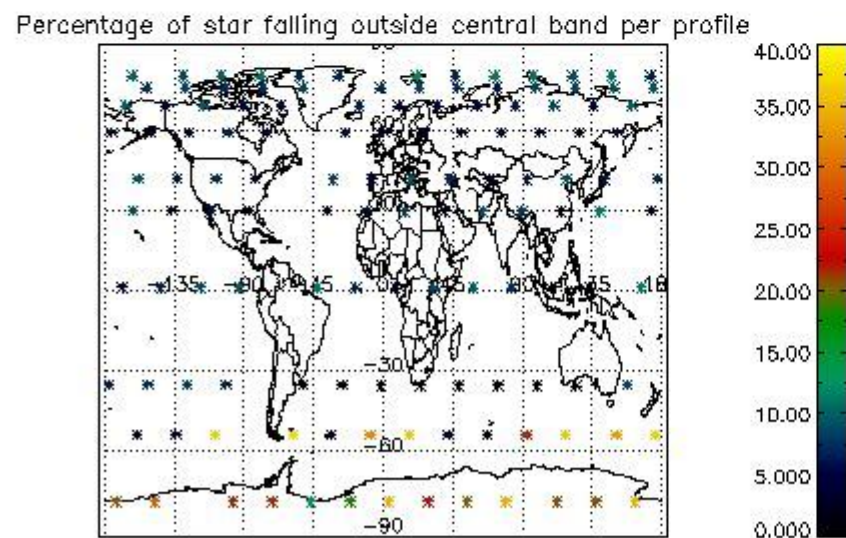
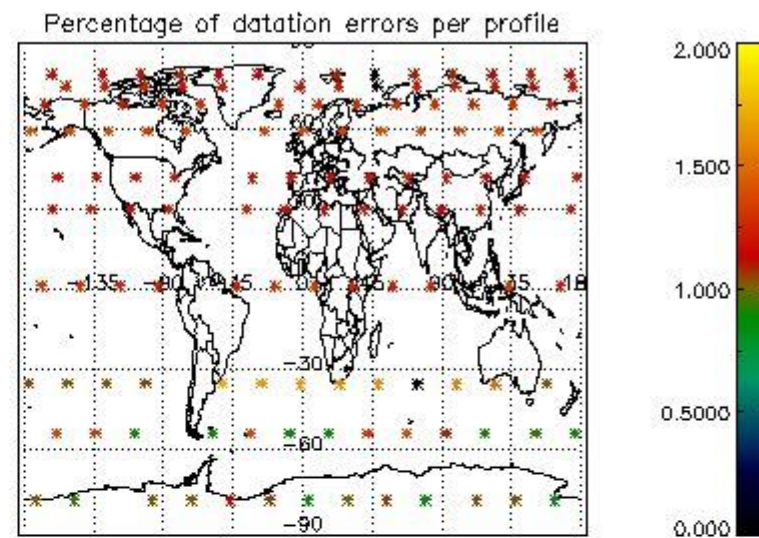
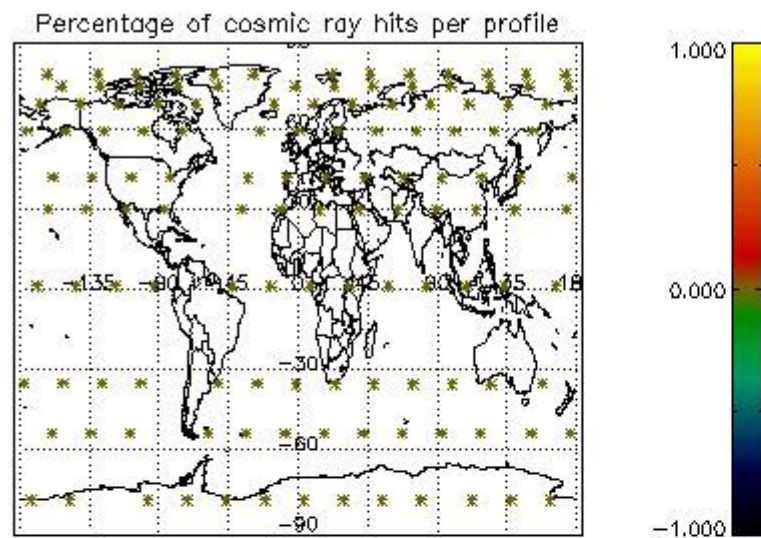
Percentage of star falling outside central band per profile



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

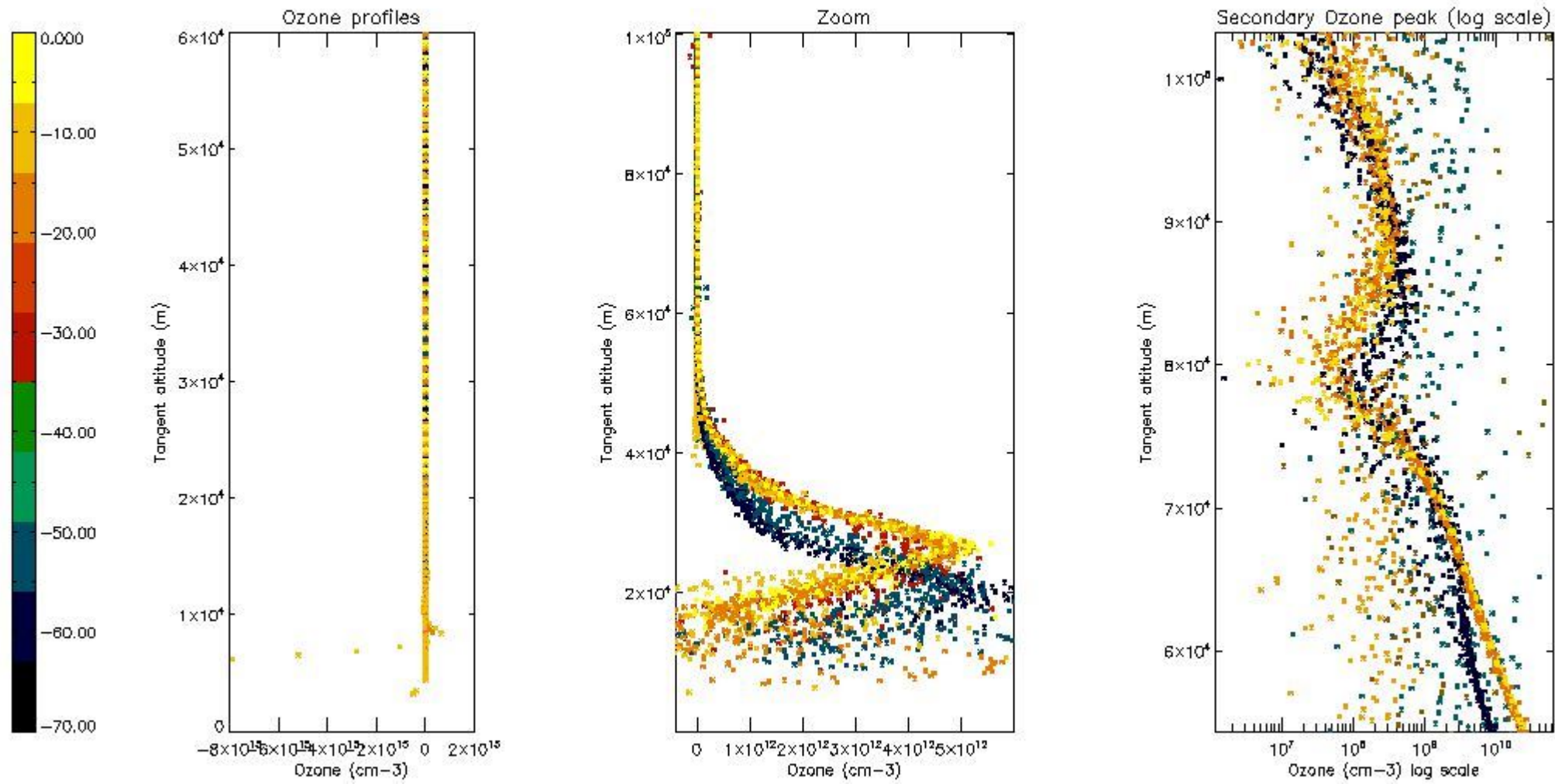
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	31
STD < 20	14

STD < 10	9
STD < 5	7

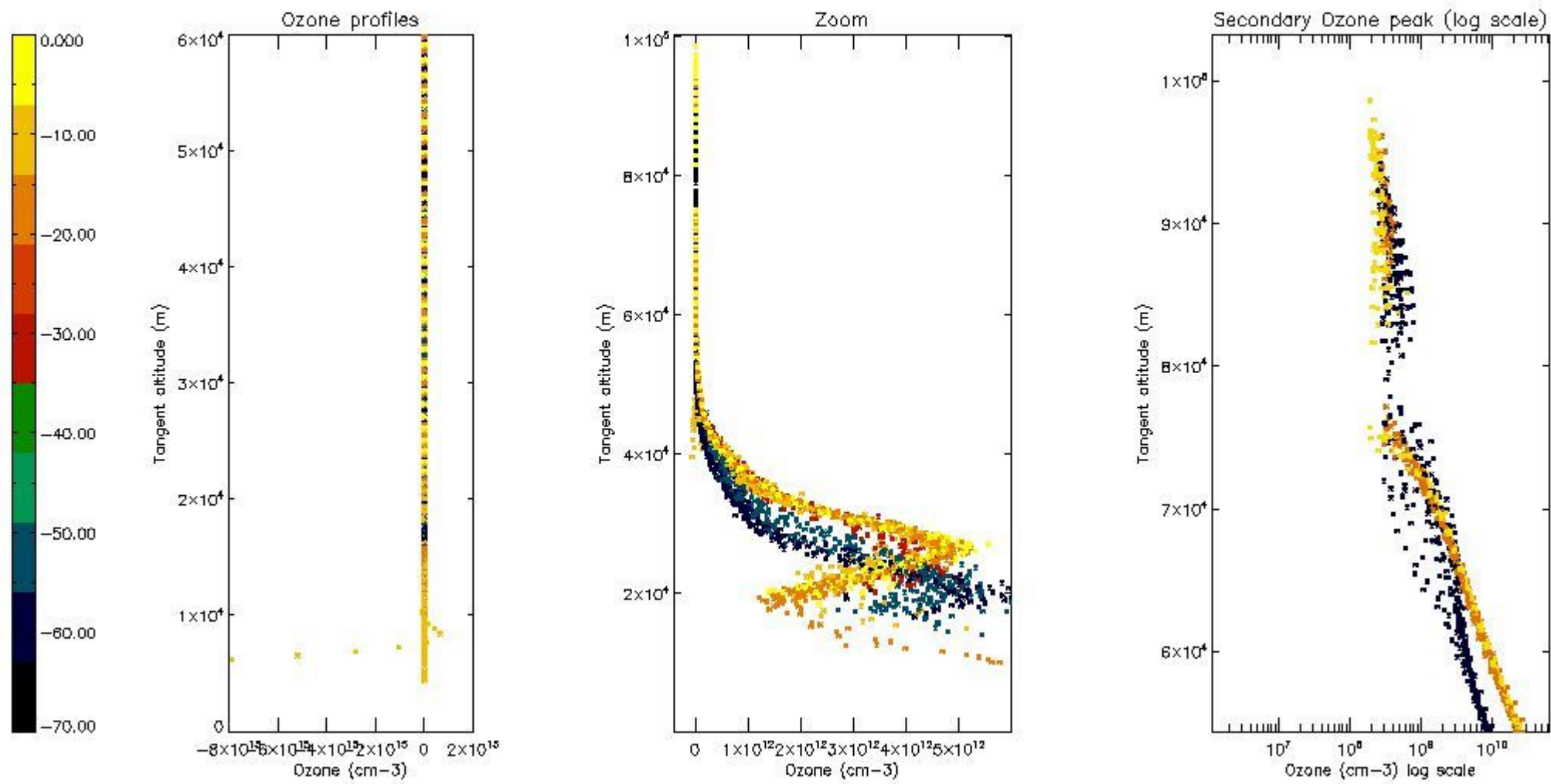
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



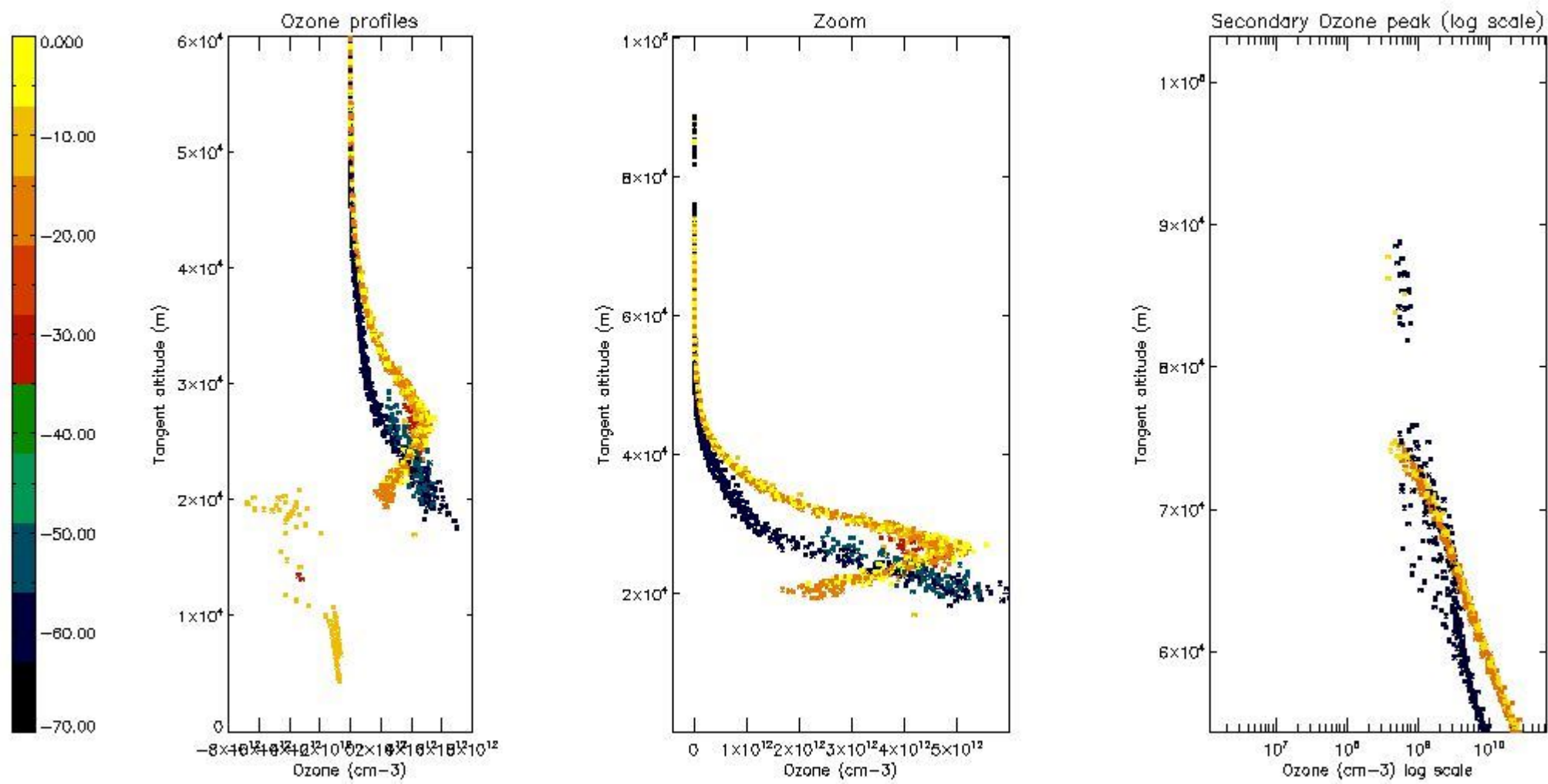
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



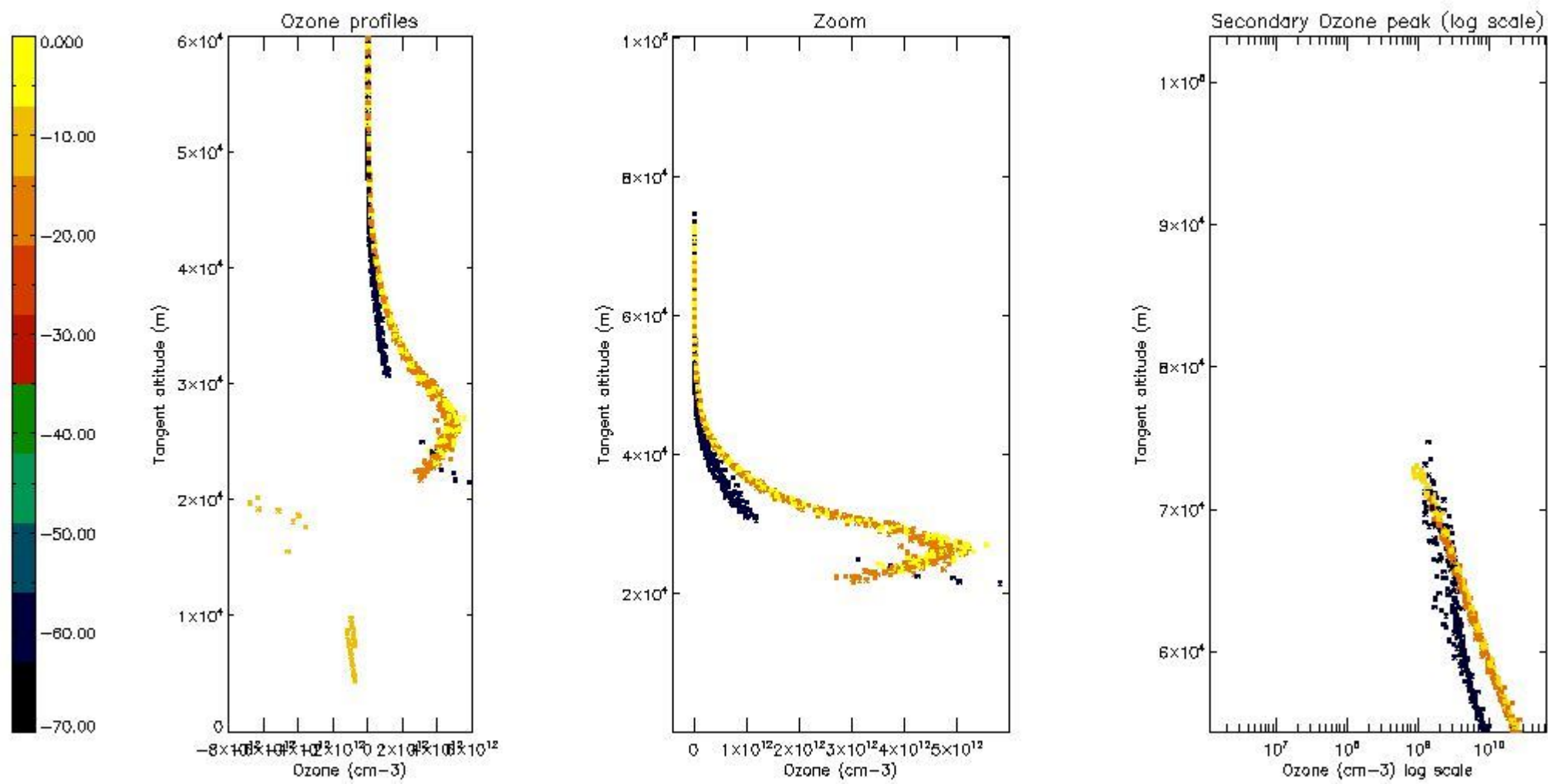
*5.4 Plot ozone profiles where  $STD < 10\%$  (dark without errors)*

The colorbar represents the latitude.



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

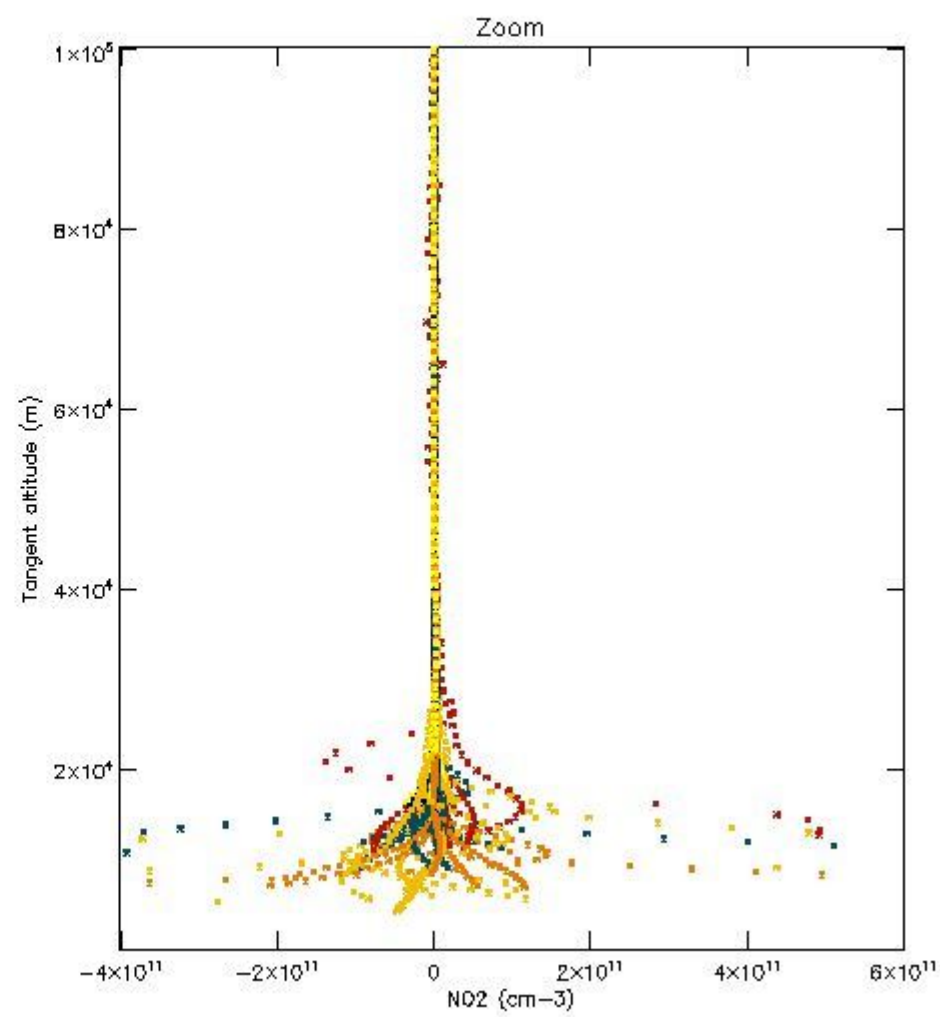
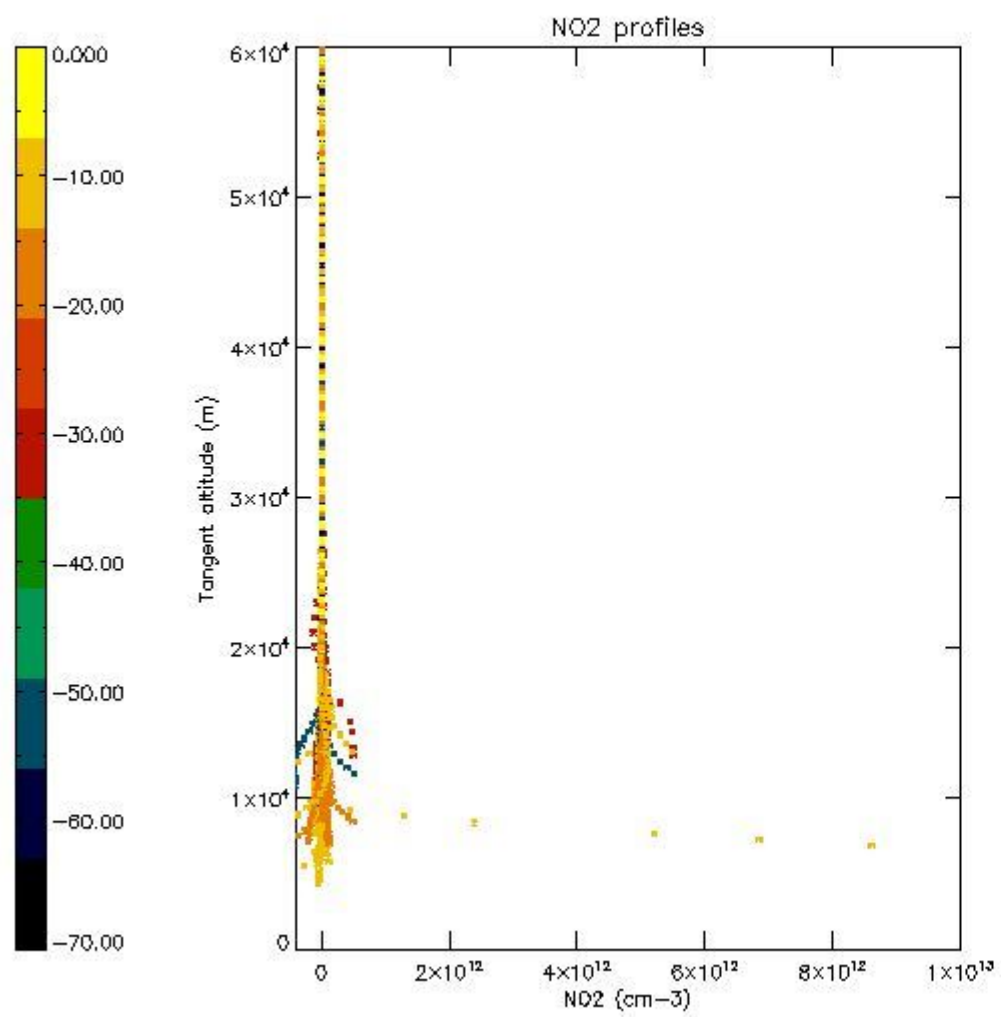
The colorbar represents the latitude.



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

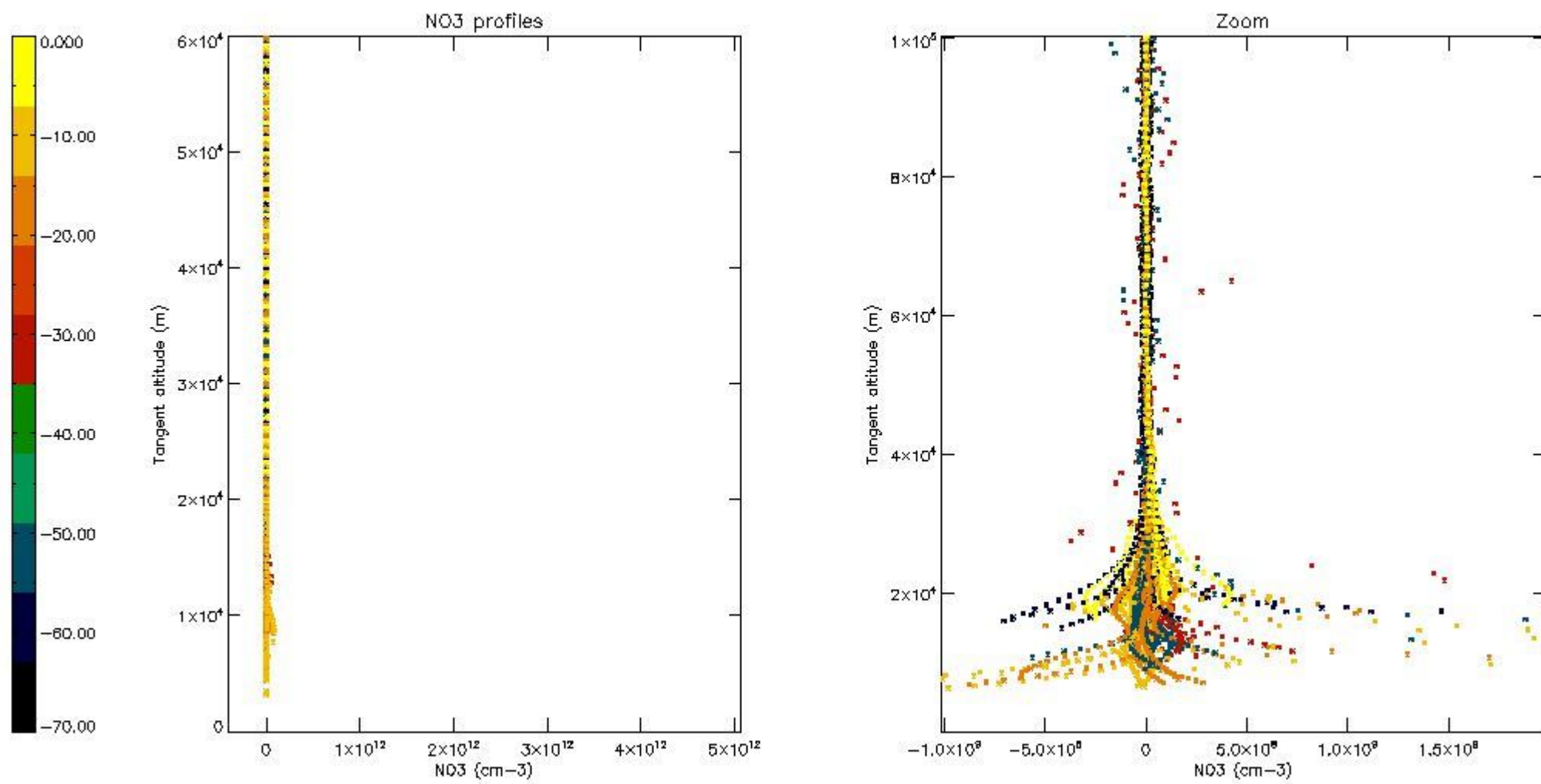
The colorbar represents the latitude.





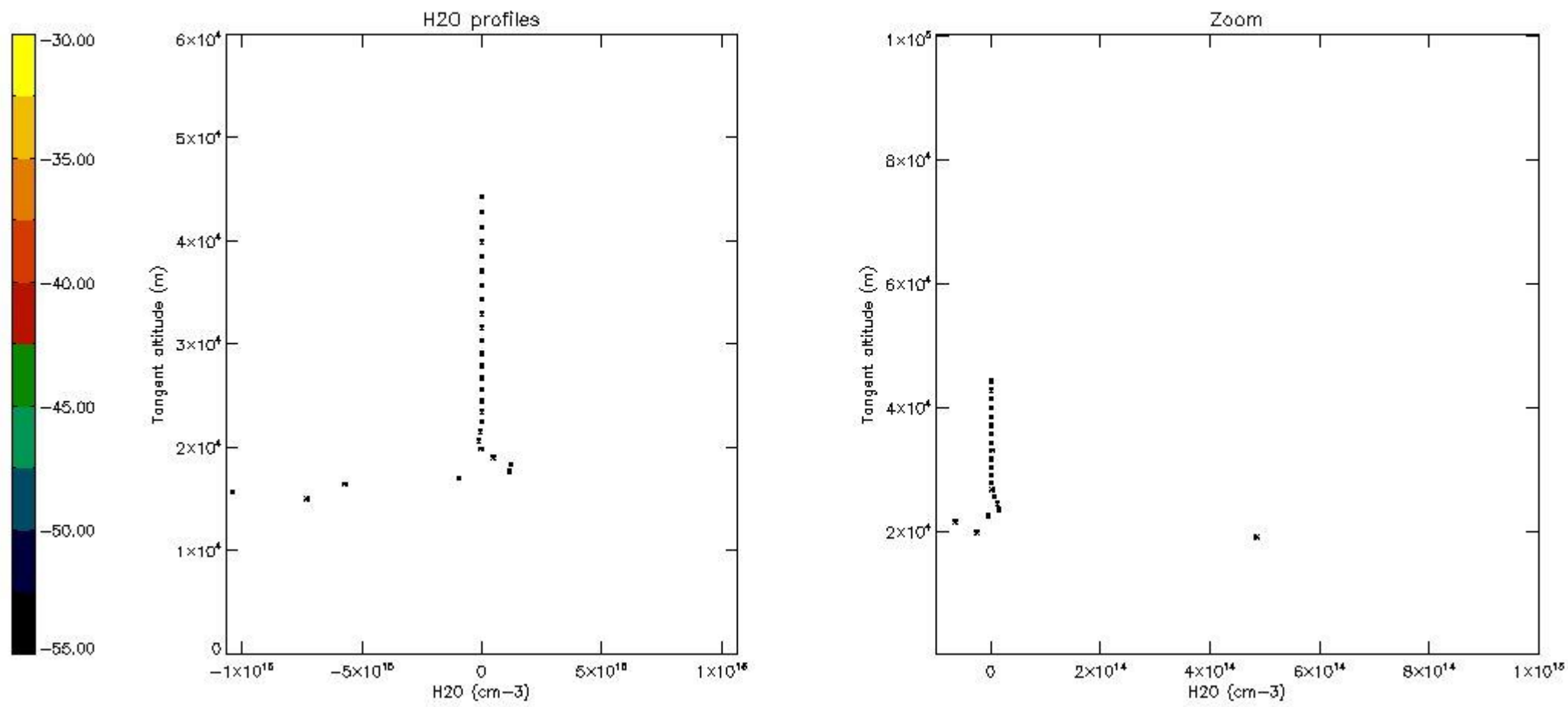
*5.7 Plot NO3 profiles for all STD (dark without errors)*

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	03-JUN-2010 00:06:49
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	03-JUN-2010 00:06:49
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	03-JUN-2010 00:06:49

# 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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### [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](#)











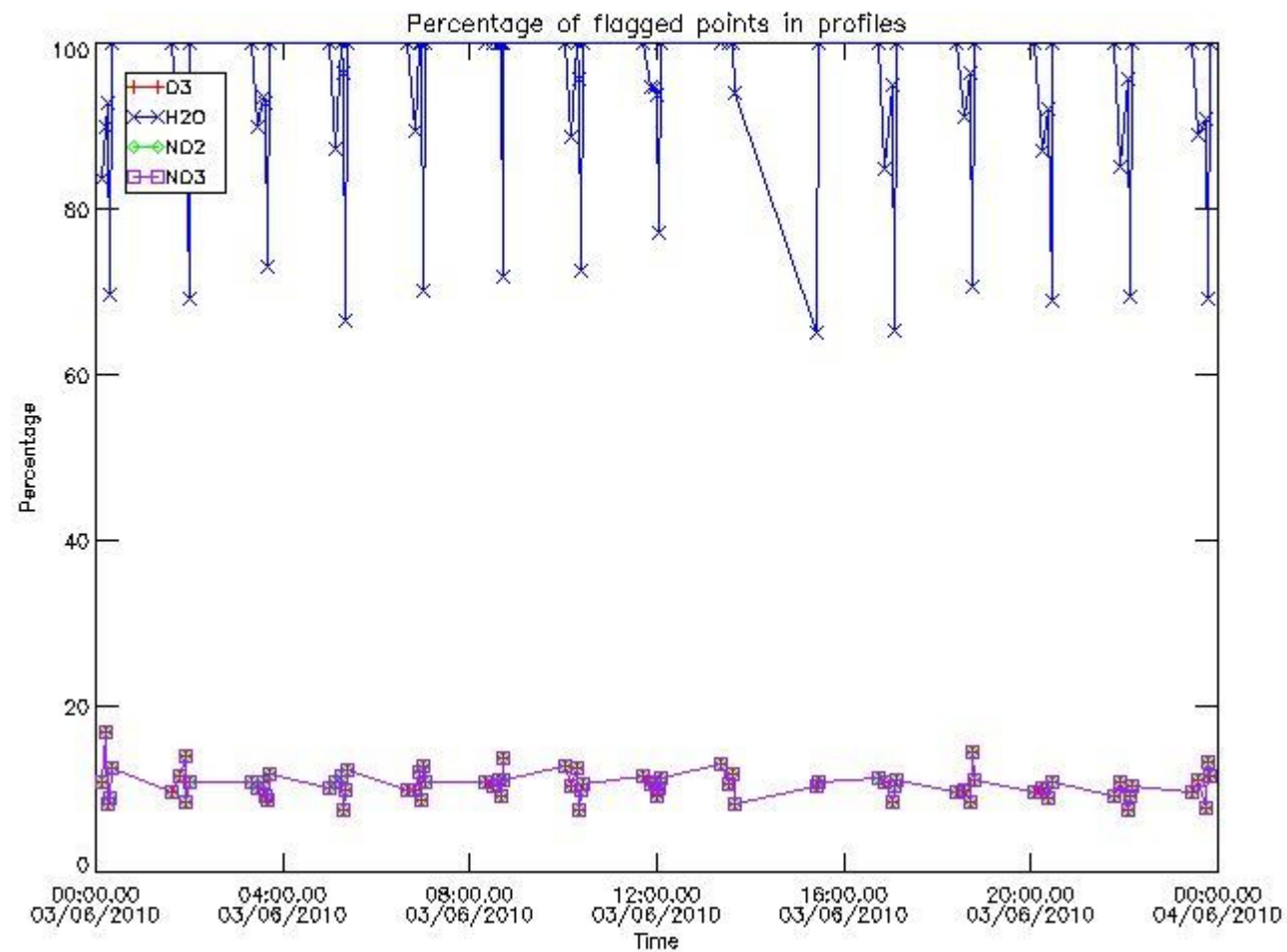
220	GOM_NL__2PRFIN20100603_180324_000000492090_00041_43181_2858.N1	03-JUN-2010 18:03:24	Bright	49.000	89	5Alp Cep	2.4510	8000.0	98	43181	No
221	GOM_NL__2PRFIN20100603_180842_000000382090_00041_43181_2859.N1	03-JUN-2010 18:08:42	Bright	38.000	76	27Gam Cas	2.3000	30000.	76	43181	No
222	GOM_NL__2PRFIN20100603_181634_000000492090_00041_43181_2860.N1	03-JUN-2010 18:16:34	Bright	48.500	53	43Bet And	2.0480	3300.0	97	43181	No
223	GOM_NL__2PRFIN20100603_181920_000000552090_00041_43181_2861.N1	03-JUN-2010 18:19:20	Tw_i_and_stray	54.500	58	21Alp And	2.0730	11000.	109	43181	No
224	GOM_NL__2PRFIN20100603_182429_000000532090_00041_43181_2862.N1	03-JUN-2010 18:24:29	Dark	53.000	140	88Gam Peg	2.8340	26000.	106	43181	No
225	GOM_NL__2PRFIN20100603_183332_000000522090_00041_43181_2863.N1	03-JUN-2010 18:33:32	Dark	51.500	52	16Bet Cet	2.0370	4500.0	103	43181	No
226	GOM_NL__2PRFIN20100603_184238_000000722090_00041_43181_2864.N1	03-JUN-2010 18:42:38	Dark	71.500	18	24Alp PsA	1.1660	9700.0	143	43181	No
227	GOM_NL__2PRFIN20100603_184541_000000602090_00042_43182_2853.N1	03-JUN-2010 18:45:41	Dark	60.000	63	Bet Gru	2.1500	2800.0	120	43182	No
228	GOM_NL__2PRFIN20100603_184737_000000462090_00042_43182_2854.N1	03-JUN-2010 18:47:37	Dark	45.500	31	Alp Gru	1.7340	15200.	91	43182	No
229	GOM_NL__2PRFIN20100603_185226_000000452090_00042_43182_2855.N1	03-JUN-2010 18:52:26	Straylight	44.500	45	Alp Pav	1.9400	26000.	89	43182	No
230	GOM_NL__2PRFIN20100603_185943_000000402090_00042_43182_2856.N1	03-JUN-2010 18:59:43	Straylight	39.500	147	Alp Ara	2.8770	26000.	79	43182	No
231	GOM_NL__2PRFIN20100603_190124_000000472090_00042_43182_2857.N1	03-JUN-2010 19:01:24	Straylight	47.000	40	The Sco	1.8590	7100.0	94	43182	No
232	GOM_NL__2PRFIN20100603_190311_000000452090_00042_43182_2858.N1	03-JUN-2010 19:03:11	Tw_i_and_stray	45.000	25	35Lam Sco	1.6200	28000.	90	43182	No
233	GOM_NL__2PRFIN20100603_190454_000000492090_00042_43182_2859.N1	03-JUN-2010 19:04:54	Tw_i_and_stray	48.500	75	26Eps Sco	2.2910	4250.0	97	43182	No
234	GOM_NL__2PRFIN20100603_190654_000000462090_00042_43182_2860.N1	03-JUN-2010 19:06:54	Bright	45.500	136	23Tau Sco	2.8220	30000.	91	43182	No
235	GOM_NL__2PRFIN20100603_191027_000000462090_00042_43182_2861.N1	03-JUN-2010 19:10:27	Bright	46.000	86	35Eta Oph	2.4300	10200.	92	43182	No
236	GOM_NL__2PRFIN20100603_191217_000000412090_00042_43182_2862.N1	03-JUN-2010 19:12:17	Bright	40.500	98	13Zet Oph	2.5710	30000.	81	43182	No
237	GOM_NL__2PRFIN20100603_191426_000000412090_00042_43182_2863.N1	03-JUN-2010 19:14:26	Bright	41.000	120	1Del Oph	2.7340	3200.0	82	43182	No
238	GOM_NL__2PRFIN20100603_191727_000000362090_00042_43182_2864.N1	03-JUN-2010 19:17:27	Bright	36.000	102	24Alp Ser	2.6000	4250.0	72	43182	No
239	GOM_NL__2PRFIN20100603_192223_000000422090_00042_43182_2865.N1	03-JUN-2010 19:22:23	Bright	41.500	127	27Bet Her	2.7810	4700.0	83	43182	No
240	GOM_NL__2PRFIN20100603_192544_000000412090_00042_43182_2866.N1	03-JUN-2010 19:25:44	Bright	41.000	133	40Zet Her	2.8070	6000.0	82	43182	No
241	GOM_NL__2PRFIN20100603_193347_000000392090_00042_43182_2867.N1	03-JUN-2010 19:33:47	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	43182	No
242	GOM_NL__2PRFIN20100603_194359_000000492090_00042_43182_2868.N1	03-JUN-2010 19:43:59	Bright	48.500	89	5Alp Cep	2.4510	8000.0	97	43182	No
243	GOM_NL__2PRFIN20100603_194918_000000372090_00042_43182_2869.N1	03-JUN-2010 19:49:18	Bright	36.500	76	27Gam Cas	2.3000	30000.	73	43182	No
244	GOM_NL__2PRFIN20100603_195710_000000582090_00042_43182_2870.N1	03-JUN-2010 19:57:10	Bright	58.000	53	43Bet And	2.0480	3300.0	116	43182	No
245	GOM_NL__2PRFIN20100603_195956_000000572090_00042_43182_2871.N1	03-JUN-2010 19:59:56	Tw_i_and_stray	57.000	58	21Alp And	2.0730	11000.	114	43182	No
246	GOM_NL__2PRFIN20100603_200505_000000542090_00042_43182_2872.N1	03-JUN-2010 20:05:05	Dark	53.500	140	88Gam Peg	2.8340	26000.	107	43182	No
247	GOM_NL__2PRFIN20100603_201409_000000512090_00042_43182_2873.N1	03-JUN-2010 20:14:09	Dark	50.500	52	16Bet Cet	2.0370	4500.0	101	43182	No
248	GOM_NL__2PRFIN20100603_202315_000000582090_00042_43182_2874.N1	03-JUN-2010 20:23:15	Dark	57.500	18	24Alp PsA	1.1660	9700.0	115	43182	No
249	GOM_NL__2PRFIN20100603_202618_000000472090_00043_43183_2861.N1	03-JUN-2010 20:26:18	Dark	47.000	63	Bet Gru	2.1500	2800.0	94	43183	No
250	GOM_NL__2PRFIN20100603_202814_000000482090_00043_43183_2862.N1	03-JUN-2010 20:28:14	Dark	47.500	31	Alp Gru	1.7340	15200.	95	43183	No
251	GOM_NL__2PRFIN20100603_203302_000000432090_00043_43183_2863.N1	03-JUN-2010 20:33:02	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	43183	No
252	GOM_NL__2PRFIN20100603_204019_000000412090_00043_43183_2864.N1	03-JUN-2010 20:40:19	Straylight	40.500	147	Alp Ara	2.8770	26000.	81	43183	No
253	GOM_NL__2PRFIN20100603_204201_000000492090_00043_43183_2865.N1	03-JUN-2010 20:42:01	Straylight	49.000	40	The Sco	1.8590	7100.0	98	43183	No
254	GOM_NL__2PRFIN20100603_204348_000000472090_00043_43183_2866.N1	03-JUN-2010 20:43:48	Tw_i_and_stray	47.000	25	35Lam Sco	1.6200	28000.	94	43183	No
255	GOM_NL__2PRFIN20100603_204530_000000452090_00043_43183_2867.N1	03-JUN-2010 20:45:30	Tw_i_and_stray	44.500	75	26Eps Sco	2.2910	4250.0	89	43183	No
256	GOM_NL__2PRFIN20100603_204730_000000512090_00043_43183_2868.N1	03-JUN-2010 20:47:30	Bright	50.500	136	23Tau Sco	2.8220	30000.	101	43183	No
257	GOM_NL__2PRFIN20100603_205103_000000452090_00043_43183_2869.N1	03-JUN-2010 20:51:03	Bright	45.000	86	35Eta Oph	2.4300	10200.	90	43183	No
258	GOM_NL__2PRFIN20100603_205253_000000412090_00043_43183_2870.N1	03-JUN-2010 20:52:53	Bright	40.500	98	13Zet Oph	2.5710	30000.	81	43183	No
259	GOM_NL__2PRFIN20100603_205502_000000392090_00043_43183_2871.N1	03-JUN-2010 20:55:02	Bright	39.000	120	1Del Oph	2.7340	3200.0	78	43183	No
260	GOM_NL__2PRFIN20100603_205803_000000362090_00043_43183_2872.N1	03-JUN-2010 20:58:03	Bright	36.000	102	24Alp Ser	2.6000	4250.0	72	43183	No
261	GOM_NL__2PRFIN20100603_210258_000000432090_00043_43183_2873.N1	03-JUN-2010 21:02:58	Bright	42.500	127	27Bet Her	2.7810	4700.0	85	43183	No
262	GOM_NL__2PRFIN20100603_210620_000000442090_00043_43183_2874.N1	03-JUN-2010 21:06:20	Bright	44.000	133	40Zet Her	2.8070	6000.0	88	43183	No
263	GOM_NL__2PRFIN20100603_211423_000000382090_00043_43183_2875.N1	03-JUN-2010 21:14:23	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	43183	No
264	GOM_NL__2PRFIN20100603_212435_000000482090_00043_43183_2876.N1	03-JUN-2010 21:24:35	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	43183	No
265	GOM_NL__2PRFIN20100603_212954_000000562090_00043_43183_2877.N1	03-JUN-2010 21:29:54	Bright	56.000	76	27Gam Cas	2.3000	30000.	112	43183	No
266	GOM_NL__2PRFIN20100603_213746_000000492090_00043_43183_2878.N1	03-JUN-2010 21:37:46	Bright	48.500	53	43Bet And	2.0480	3300.0	97	43183	No
267	GOM_NL__2PRFIN20100603_214032_000000572090_00043_43183_2879.N1	03-JUN-2010 21:40:32	Tw_i_and_stray	56.500	58	21Alp And	2.0730	11000.	113	43183	No
268	GOM_NL__2PRFIN20100603_214541_000000552090_00043_43183_2880.N1	03-JUN-2010 21:45:41	Dark	54.500	140	88Gam Peg	2.8340	26000.	109	43183	No
269	GOM_NL__2PRFIN20100603_215445_000000472090_00043_43183_2881.N1	03-JUN-2010 21:54:45	Dark	47.000	52	16Bet Cet	2.0370	4500.0	94	43183	No
270	GOM_NL__2PRFIN20100603_220352_000000682090_00043_43183_2882.N1	03-JUN-2010 22:03:52	Dark	68.000	18	24Alp PsA	1.1660	9700.0	136	43183	No
271	GOM_NL__2PRFIN20100603_220655_000000612090_00044_43184_2889.N1	03-JUN-2010 22:06:55	Dark	61.000	63	Bet Gru	2.1500	2800.0	122	43184	No
272	GOM_NL__2PRFIN20100603_220850_000000492090_00044_43184_2890.N1	03-JUN-2010 22:08:50	Dark	49.000	31	Alp Gru	1.7340	15200.	98	43184	No
273	GOM_NL__2PRFIN20100603_221339_000000422090_00044_43184_2891.N1	03-JUN-2010 22:13:39	Straylight	41.500	45	Alp Pav	1.9400	26000.	83	43184	No
274	GOM_NL__2PRFIN20100603_222055_000000442090_00044_43184_2892.N1	03-JUN-2010 22:20:55	Straylight	43.500	147	Alp Ara	2.8770	26000.	87	43184	No
275	GOM_NL__2PRFIN20100603_222237_000000472090_00044_43184_2893.N1	03-JUN-2010 22:22:37	Straylight	46.500	40	The Sco	1.8590	7100.0	93	43184	No
276	GOM_NL__2PRFIN20100603_222424_000000462090_00044_43184_2894.N1	03-JUN-2010 22:24:24	Tw_i_and_stray	45.500	25	35Lam Sco	1.6200	28000.	91	43184	No
277	GOM_NL__2PRFIN20100603_222606_000000442090_00044_43184_2895.N1	03-JUN-2010 22:26:06	Tw_i_and_stray	43.500	75	26Eps Sco	2.2910	4250.0	87	43184	No
278	GOM_NL__2PRFIN20100603_222806_000000462090_00044_43184_2896.N1	03-JUN-2010 22:28:06	Bright	46.000	136	23Tau Sco	2.8220	30000.	92	43184	No

279	GOM_NL__2PRFIN20100603_223139_000000452090_00044_43184_2897.N1	03-JUN-2010 22:31:39	Bright	44.500	86	35Eta Oph	2.4300	10200.	89	43184	No
280	GOM_NL__2PRFIN20100603_223329_000000412090_00044_43184_2898.N1	03-JUN-2010 22:33:29	Bright	40.500	98	13Zet Oph	2.5710	30000.	81	43184	No
281	GOM_NL__2PRFIN20100603_223538_000000412090_00044_43184_2899.N1	03-JUN-2010 22:35:38	Bright	41.000	120	1Del Oph	2.7340	3200.0	82	43184	No
282	GOM_NL__2PRFIN20100603_223838_000000362090_00044_43184_2900.N1	03-JUN-2010 22:38:38	Bright	36.000	102	24Alp Ser	2.6000	4250.0	72	43184	No
283	GOM_NL__2PRFIN20100603_224334_000000422090_00044_43184_2901.N1	03-JUN-2010 22:43:34	Bright	41.500	127	27Bet Her	2.7810	4700.0	83	43184	No
284	GOM_NL__2PRFIN20100603_224655_000000422090_00044_43184_2902.N1	03-JUN-2010 22:46:55	Bright	41.500	133	40Zet Her	2.8070	6000.0	83	43184	No
285	GOM_NL__2PRFIN20100603_225459_000000412090_00044_43184_2903.N1	03-JUN-2010 22:54:59	Bright	40.500	119	14Eta Dra	2.7270	4700.0	81	43184	No
286	GOM_NL__2PRFIN20100603_230510_000000492090_00044_43184_2904.N1	03-JUN-2010 23:05:10	Bright	48.500	89	5Alp Cep	2.4510	8000.0	97	43184	No
287	GOM_NL__2PRFIN20100603_231029_000000542090_00044_43184_2905.N1	03-JUN-2010 23:10:29	Bright	53.500	76	27Gam Cas	2.3000	30000.	107	43184	No
288	GOM_NL__2PRFIN20100603_231822_000000482090_00044_43184_2906.N1	03-JUN-2010 23:18:22	Bright	48.000	53	43Bet And	2.0480	3300.0	96	43184	No
289	GOM_NL__2PRFIN20100603_232108_000000562090_00044_43184_2907.N1	03-JUN-2010 23:21:08	Twilight	56.000	58	21Alp And	2.0730	11000.	112	43184	No
290	GOM_NL__2PRFIN20100603_232618_000000542090_00044_43184_2908.N1	03-JUN-2010 23:26:18	Dark	53.500	140	88Gam Peg	2.8340	26000.	107	43184	No
291	GOM_NL__2PRFIN20100603_233521_000000462090_00044_43184_2909.N1	03-JUN-2010 23:35:21	Dark	46.000	52	16Bet Cet	2.0370	4500.0	92	43184	No
292	GOM_NL__2PRFIN20100603_234429_000000672090_00044_43184_2910.N1	03-JUN-2010 23:44:29	Dark	66.500	18	24Alp PsA	1.1660	9700.0	133	43184	No
293	GOM_NL__2PRFIN20100603_234732_000000572090_00045_43185_2897.N1	03-JUN-2010 23:47:32	Dark	57.000	63	Bet Gru	2.1500	2800.0	114	43185	No
294	GOM_NL__2PRFIN20100603_234927_000000442090_00045_43185_2898.N1	03-JUN-2010 23:49:27	Dark	44.000	31	Alp Gru	1.7340	15200.	88	43185	No
295	GOM_NL__2PRFIN20100603_235415_000000432090_00045_43185_2899.N1	03-JUN-2010 23:54:15	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	43185	No

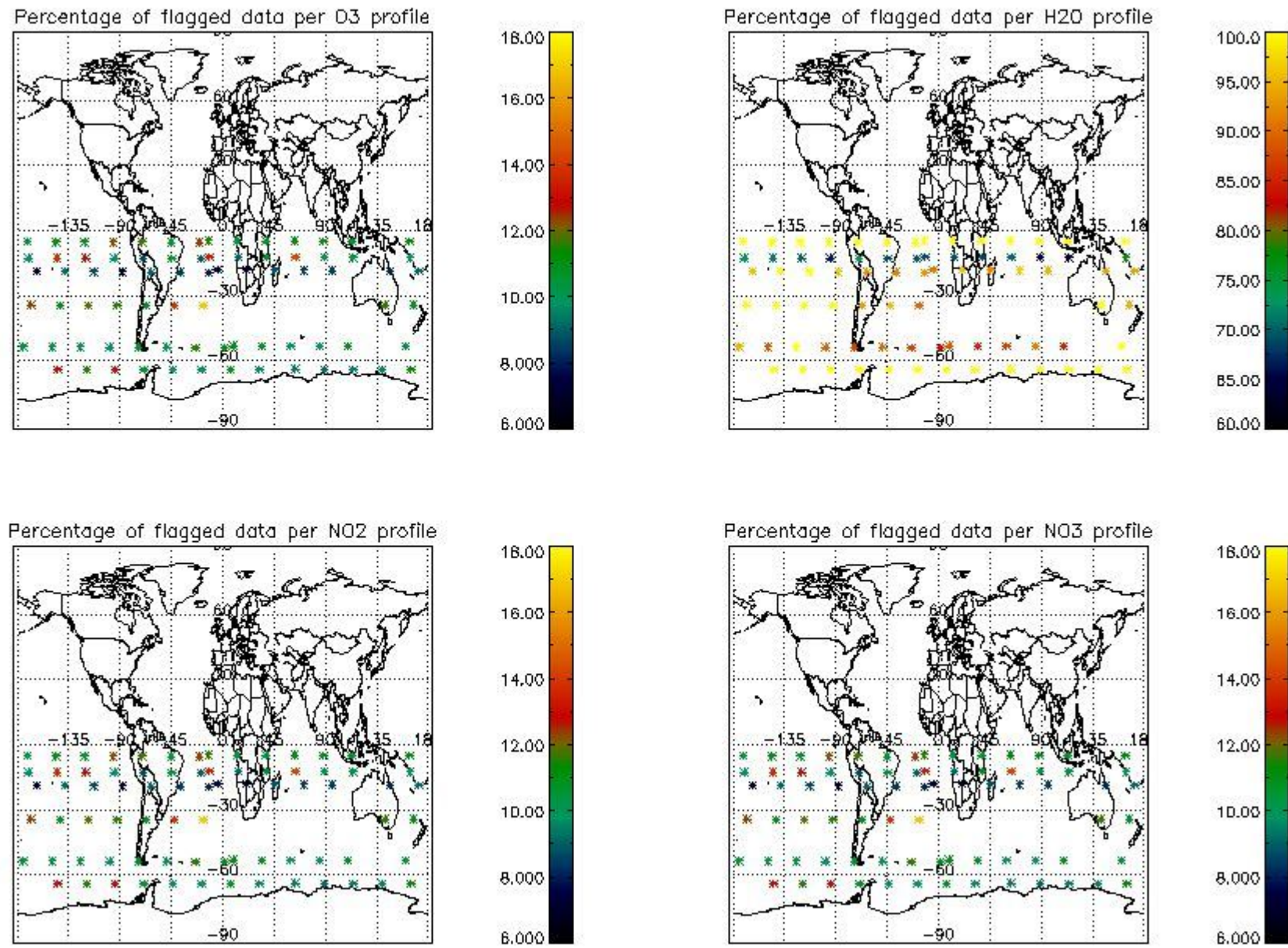
### 3. Quality information per product

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)

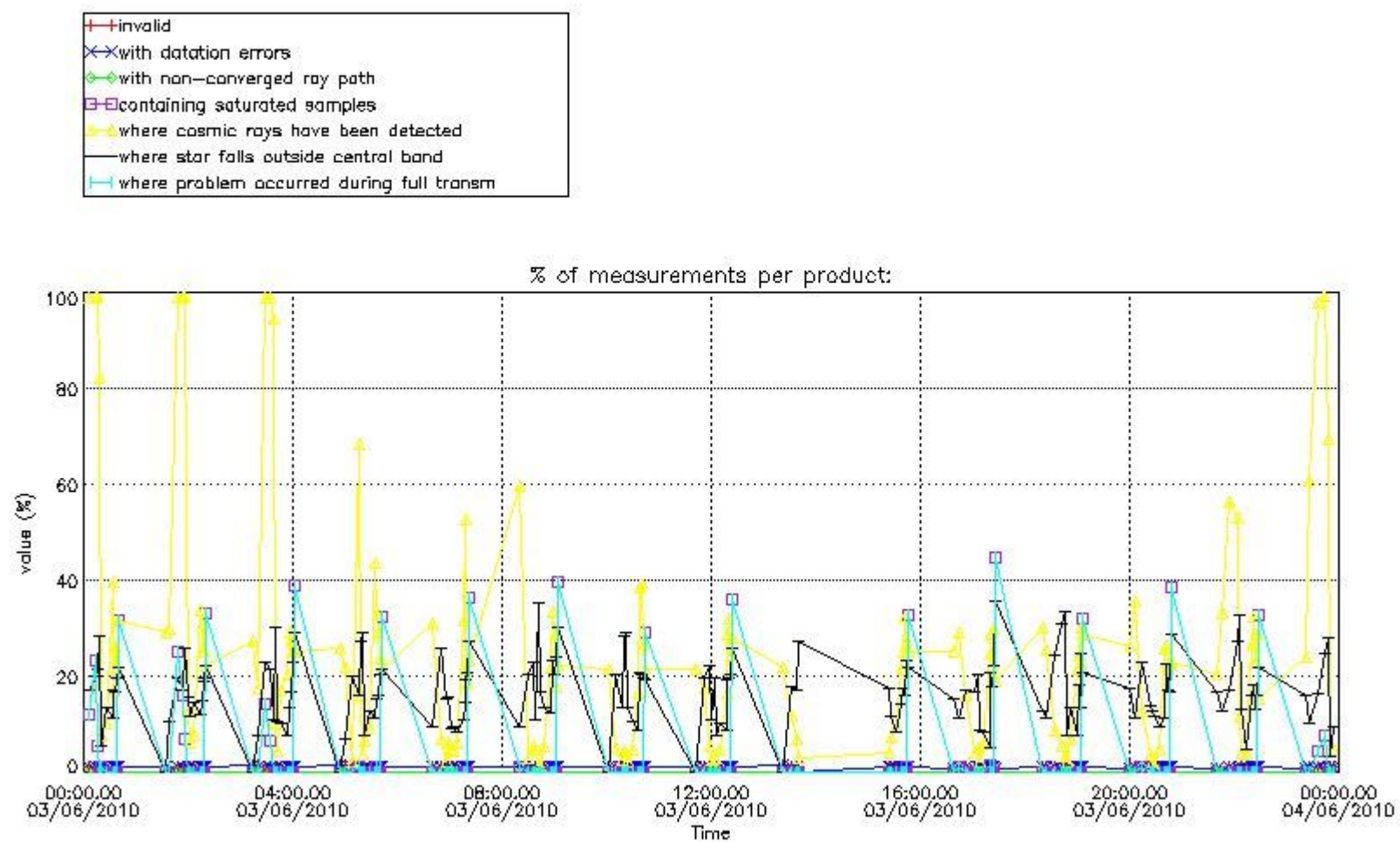


### 4. Level 1 quality information per product

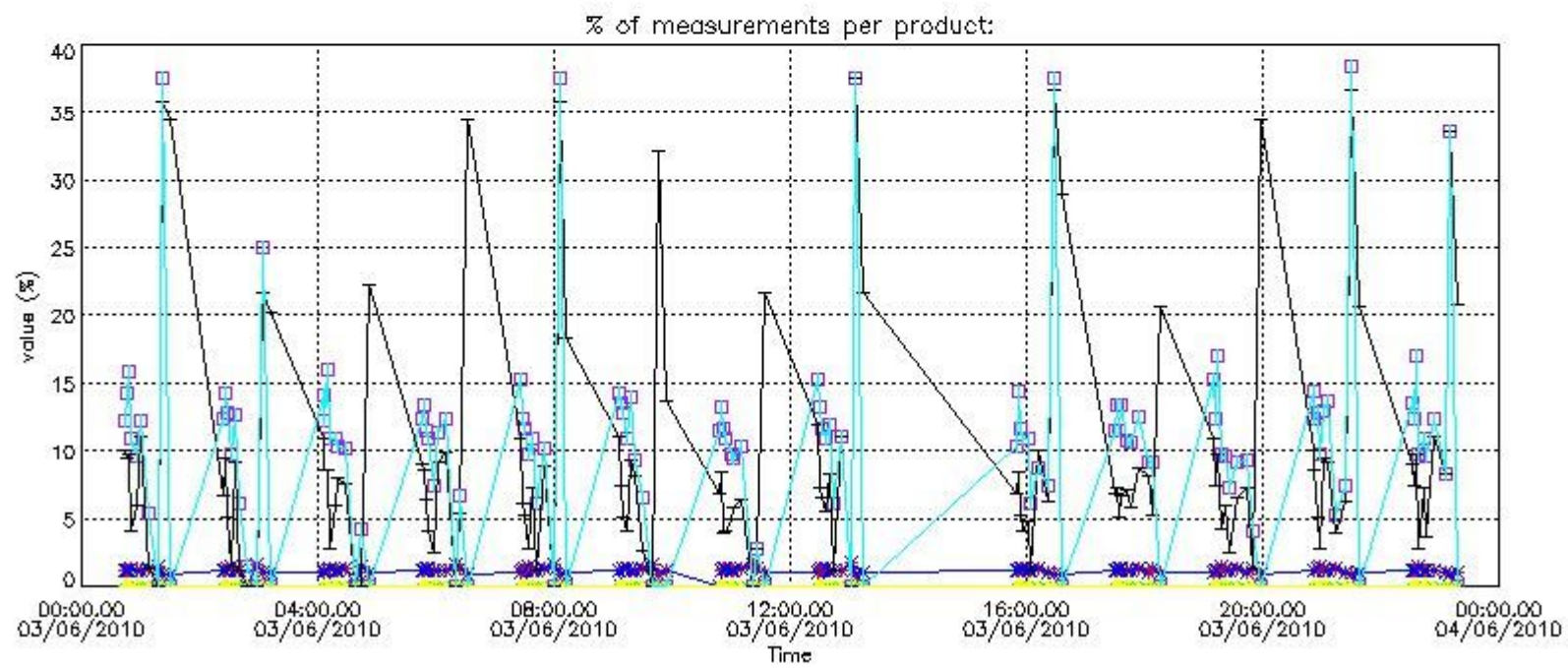
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

#### 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



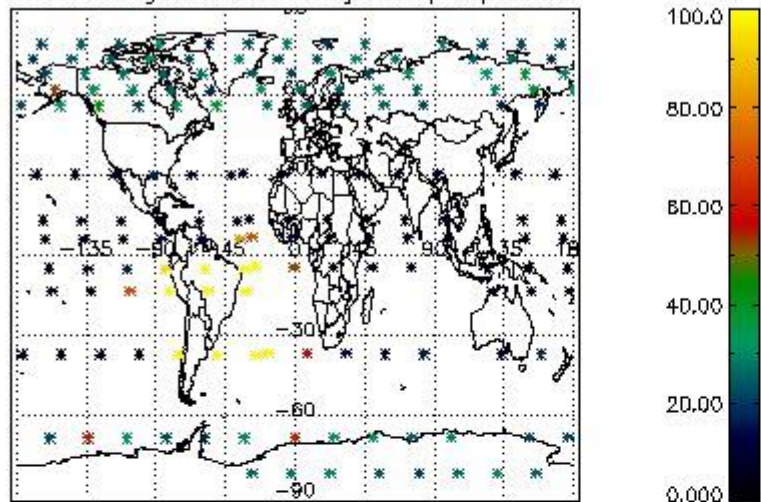
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



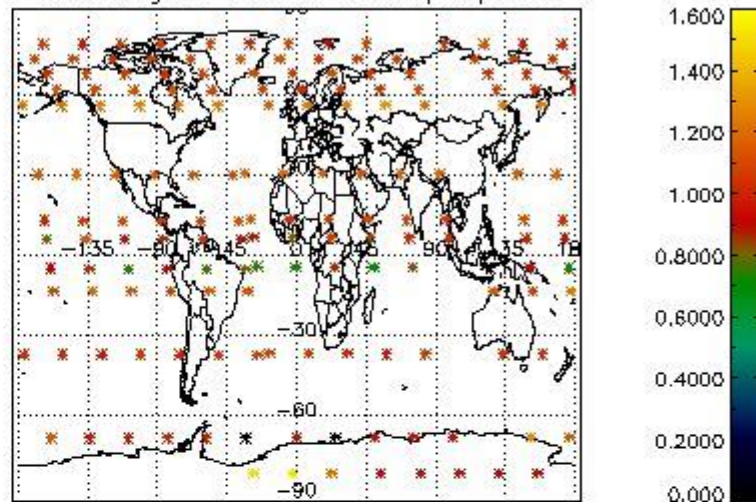
#### 4.2 Plot quality information per product coming from level 1b processing (world map)

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

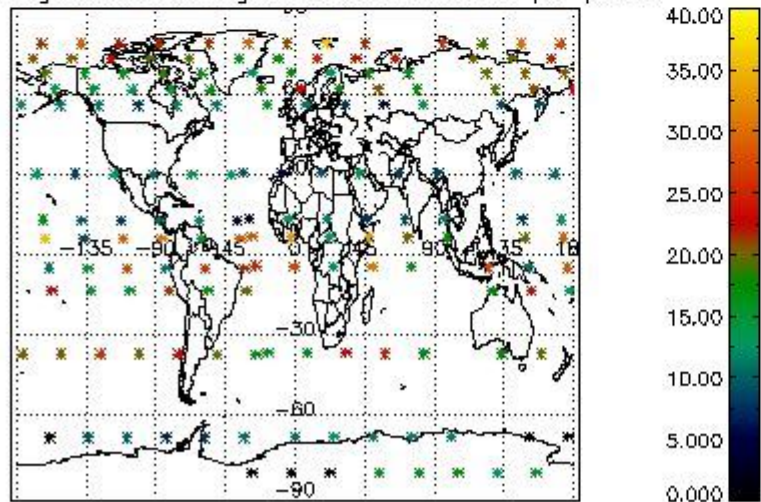
Percentage of cosmic ray hits per profile



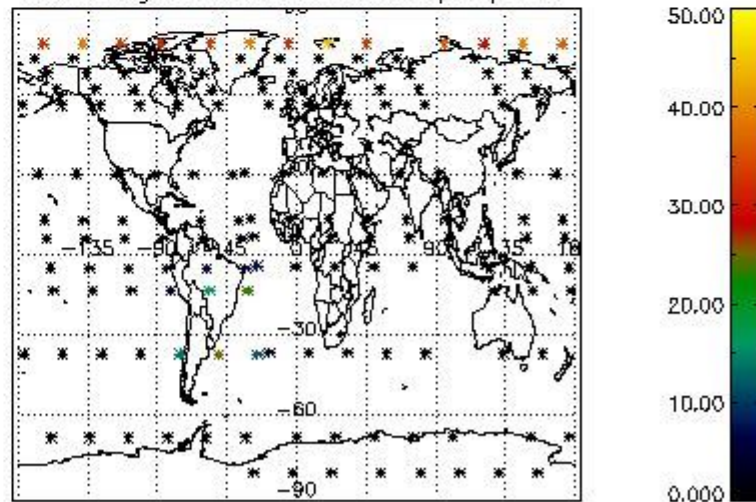
Percentage of datation errors per profile



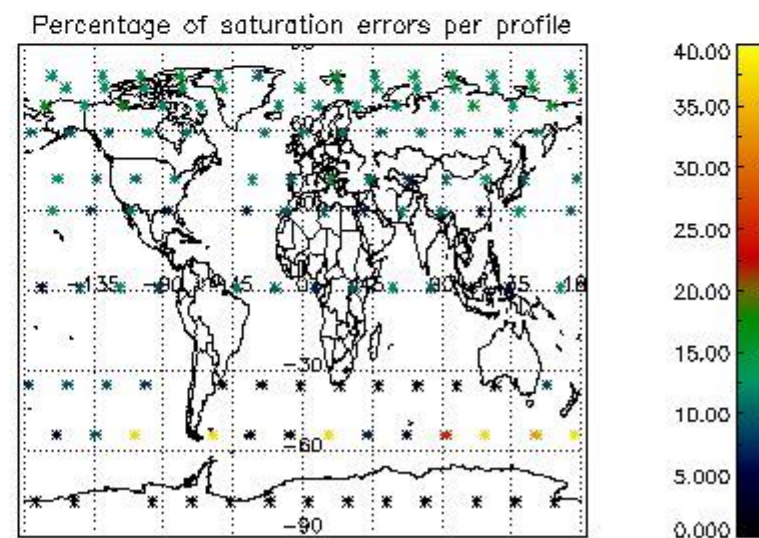
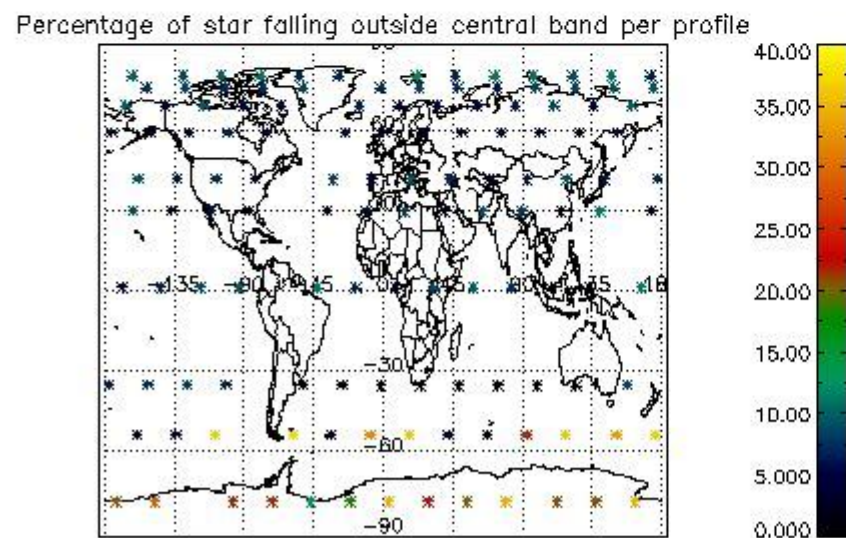
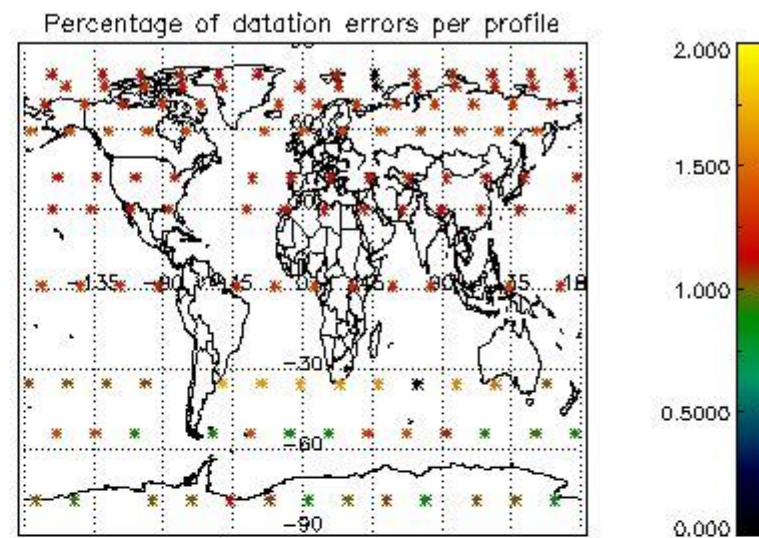
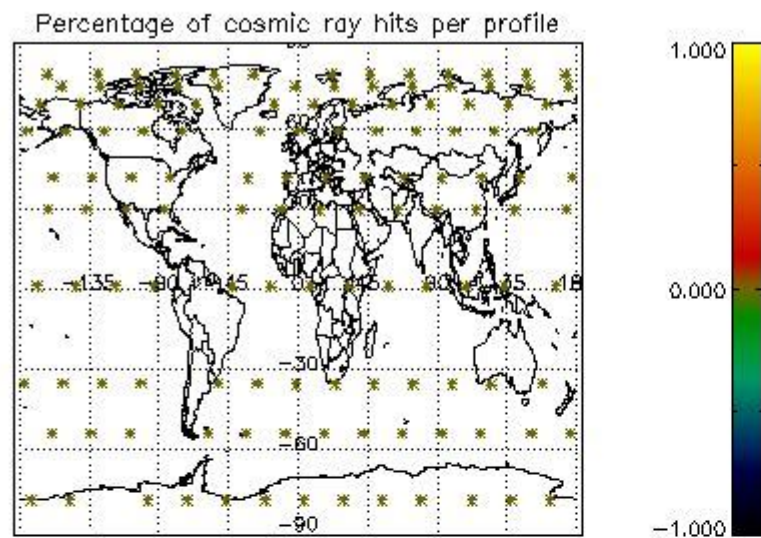
Percentage of star falling outside central band per profile



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

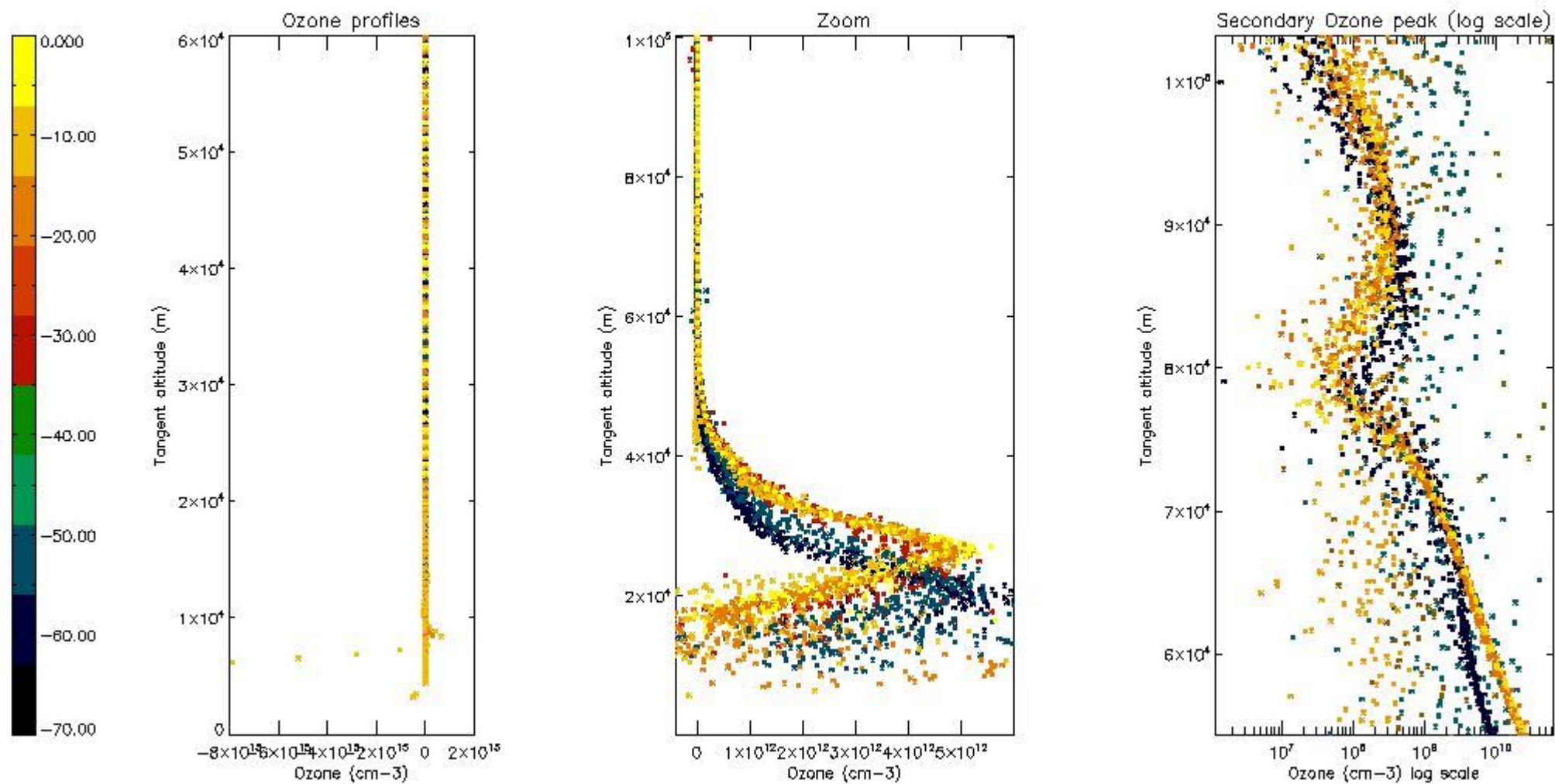
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	31
STD < 20	14

STD < 10	9
STD < 5	7

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

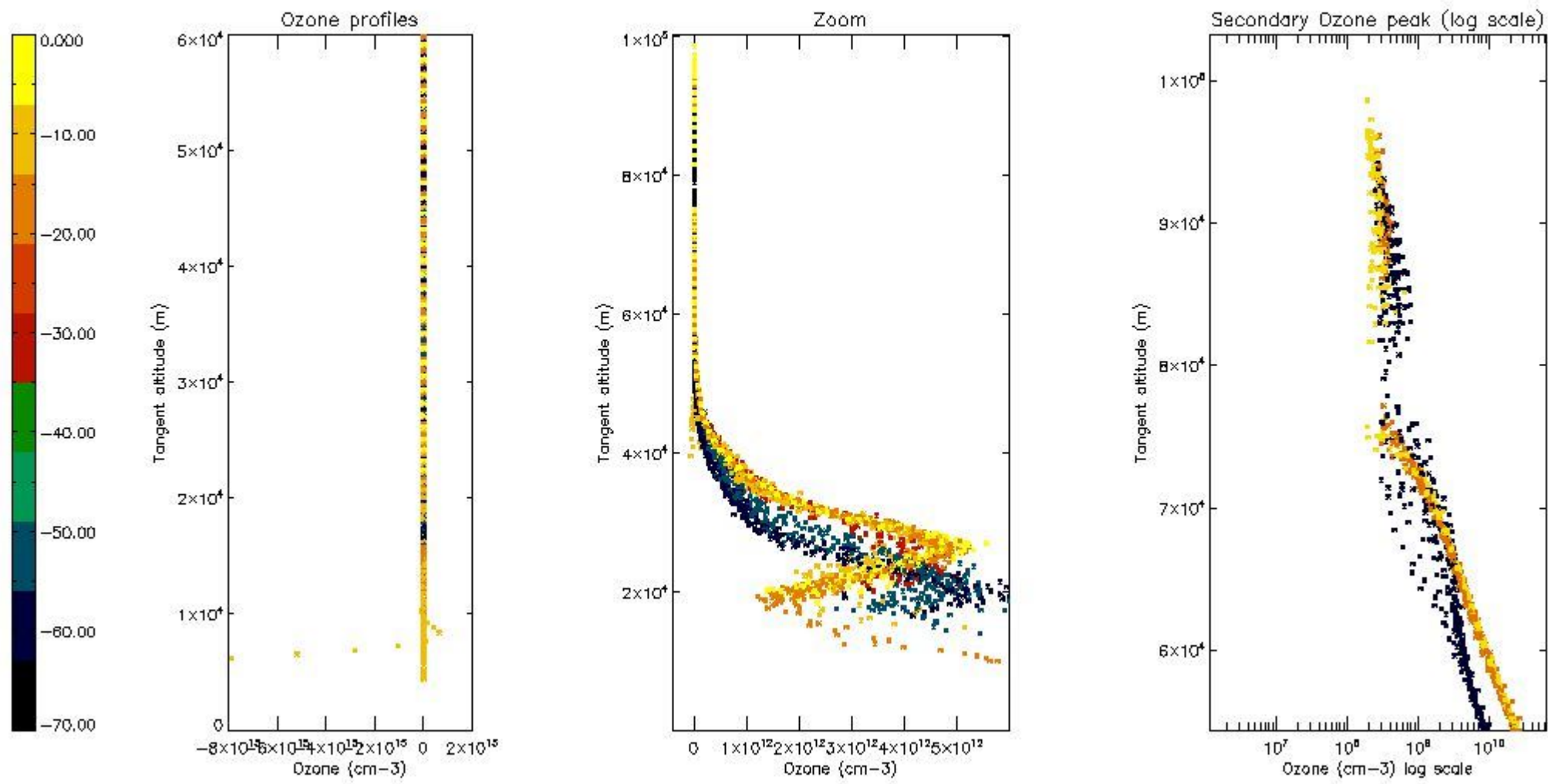
The colorbar represents the latitude.



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

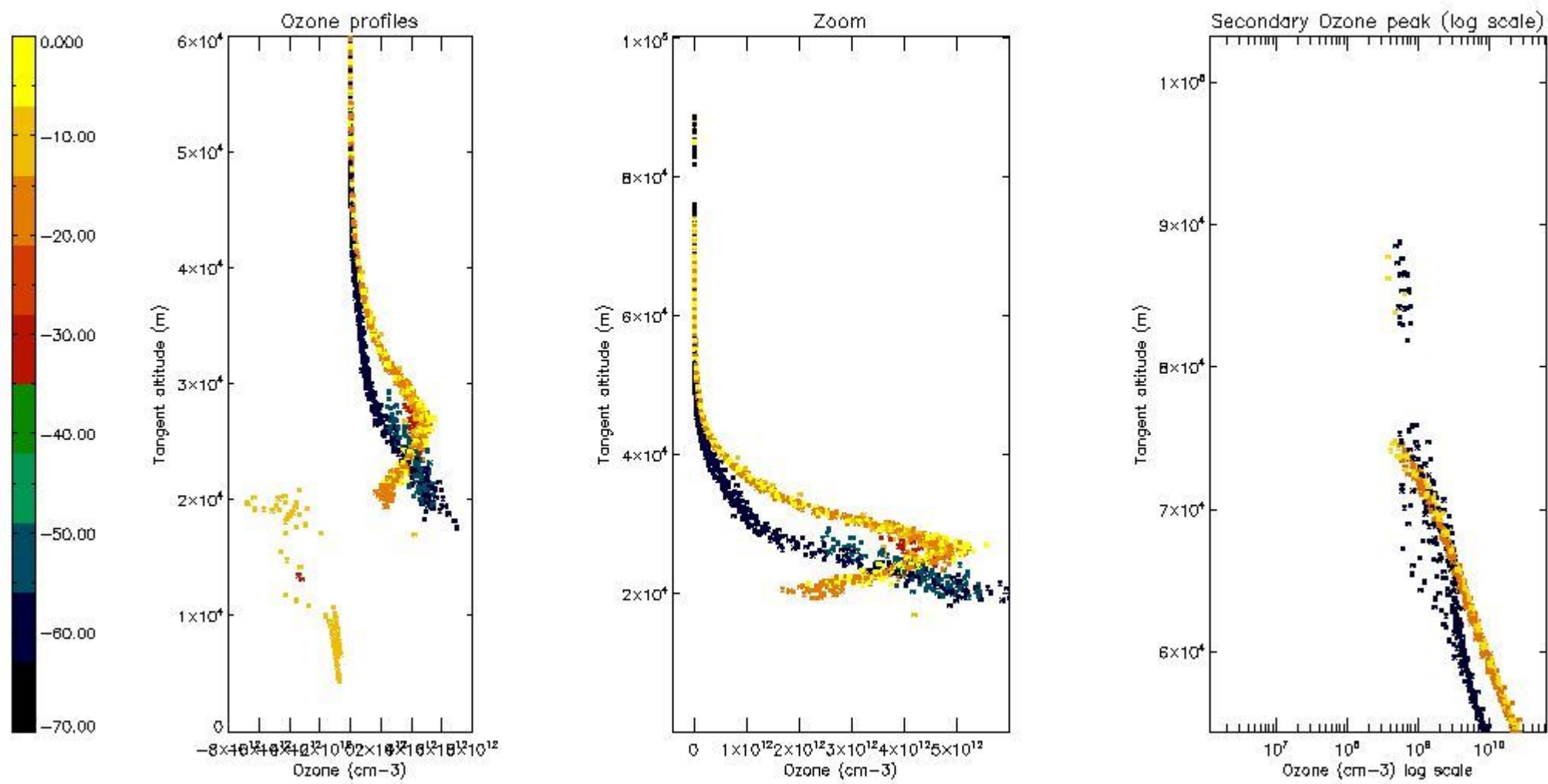
The colorbar represents the latitude.





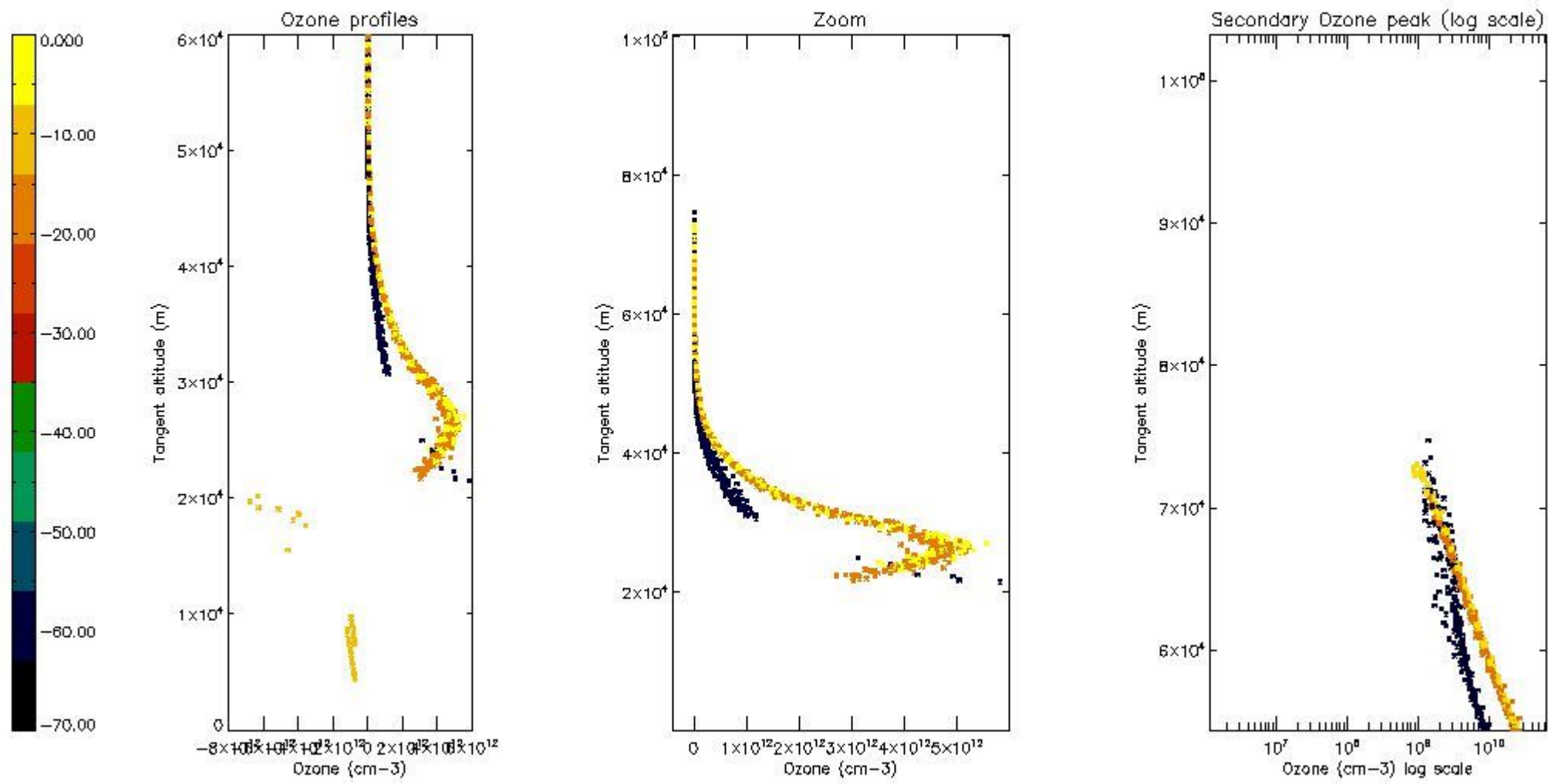
*5.4 Plot ozone profiles where STD < 10% (dark without errors)*

The colorbar represents the latitude.



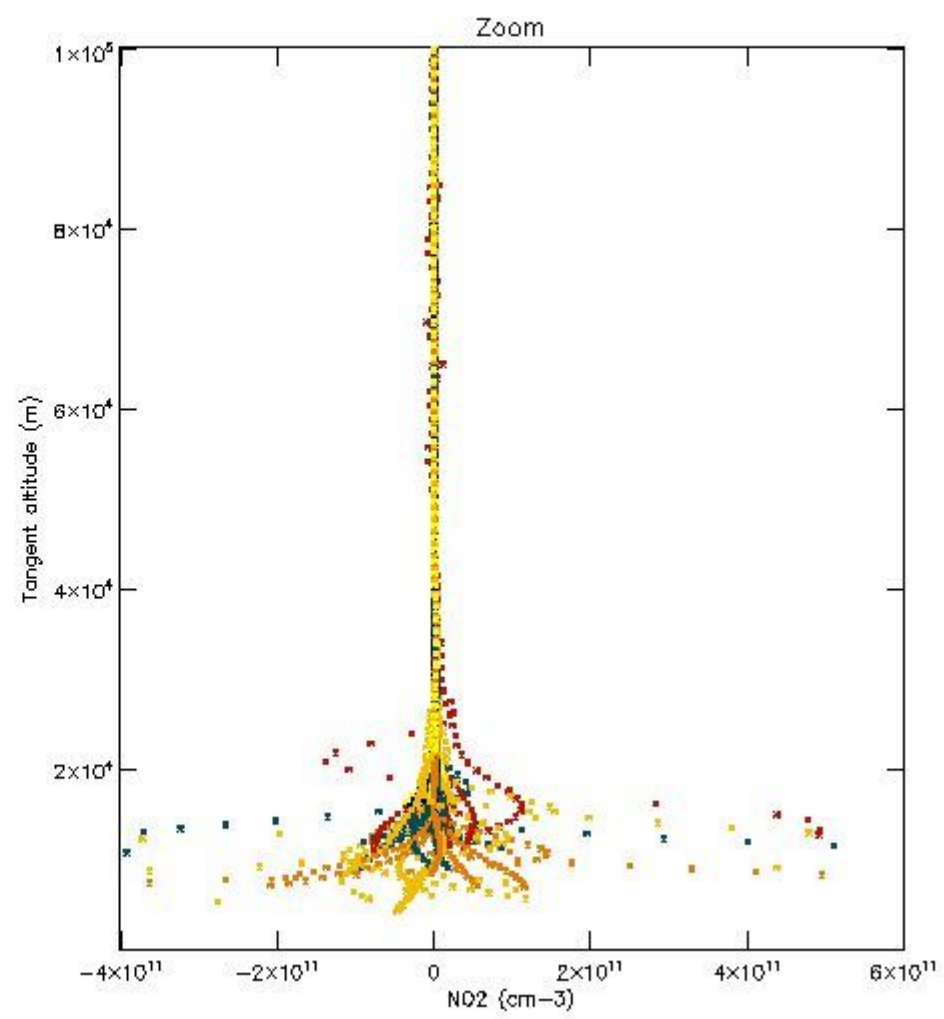
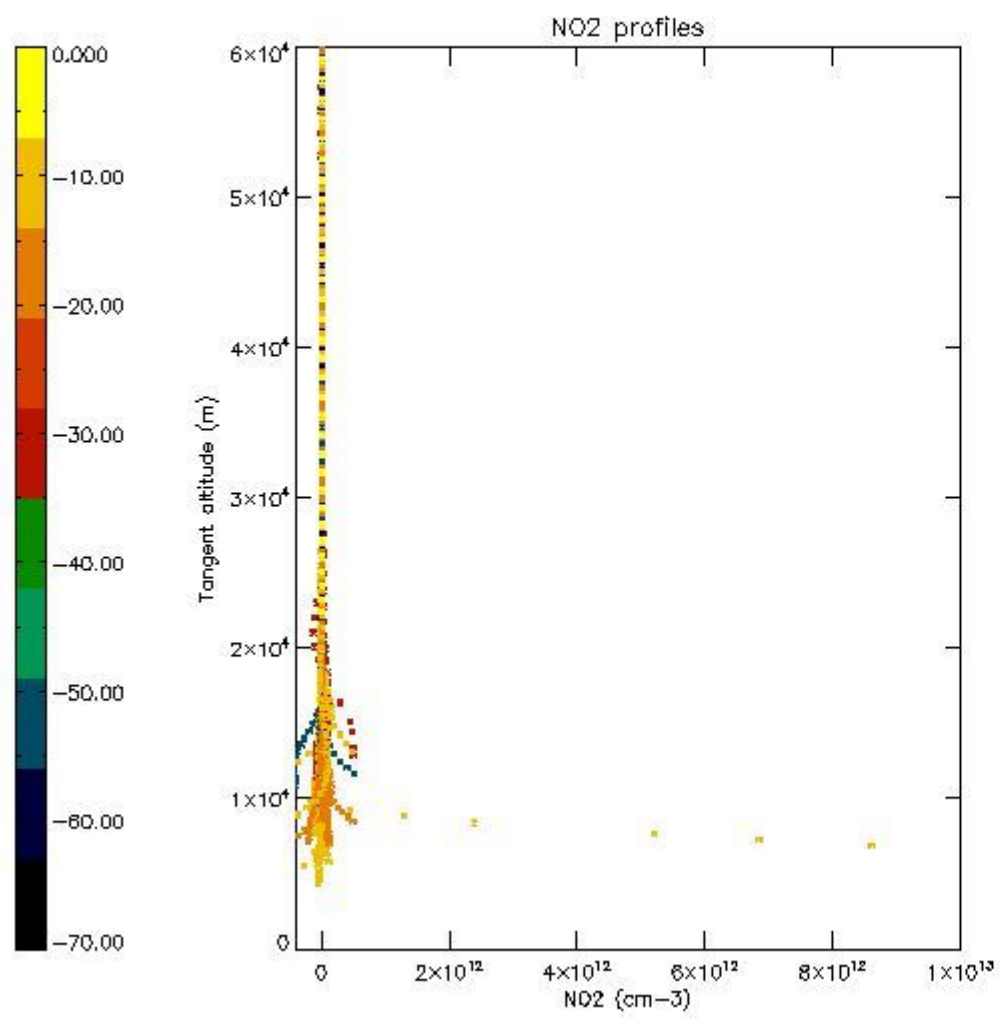
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



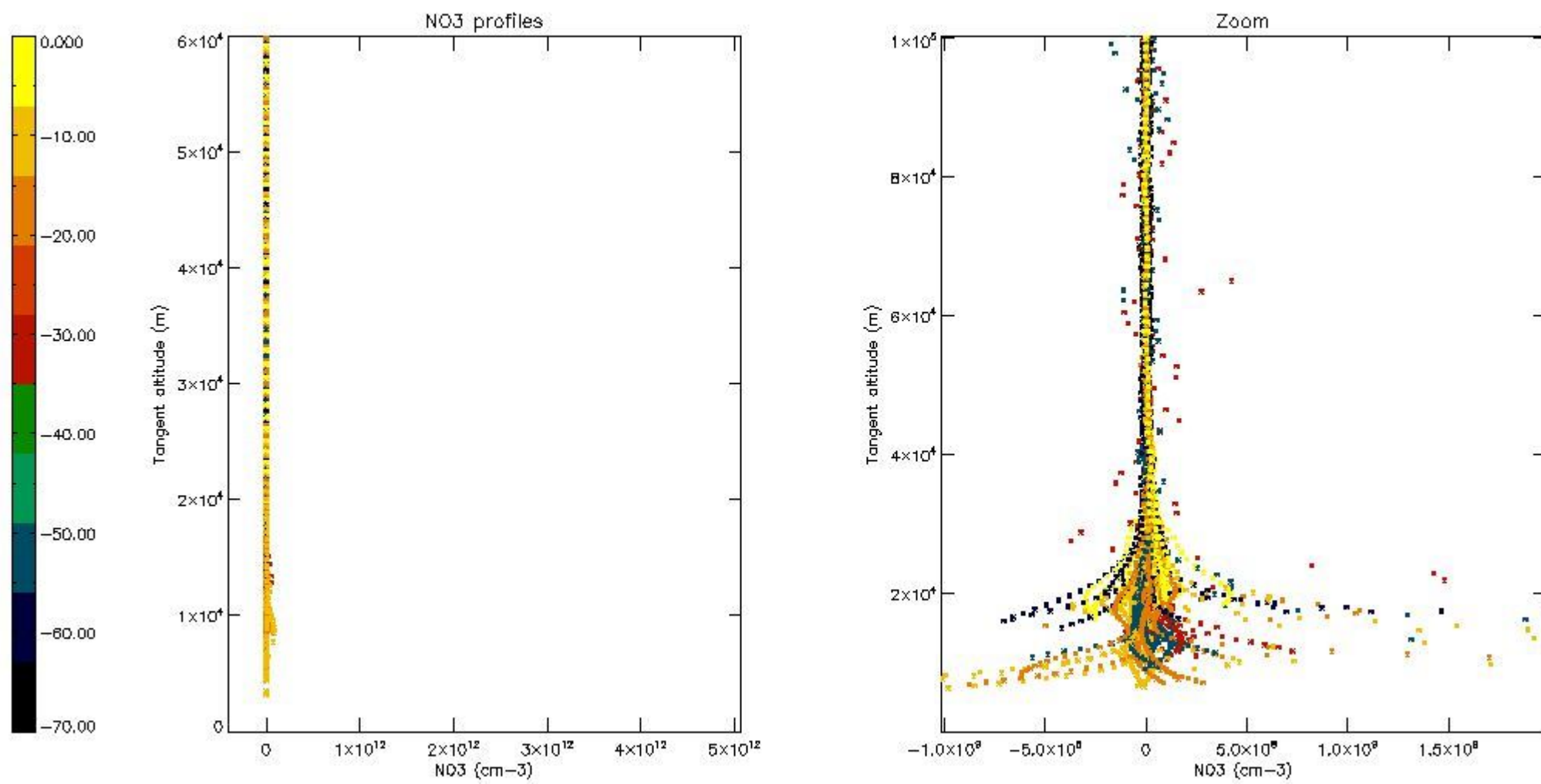
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



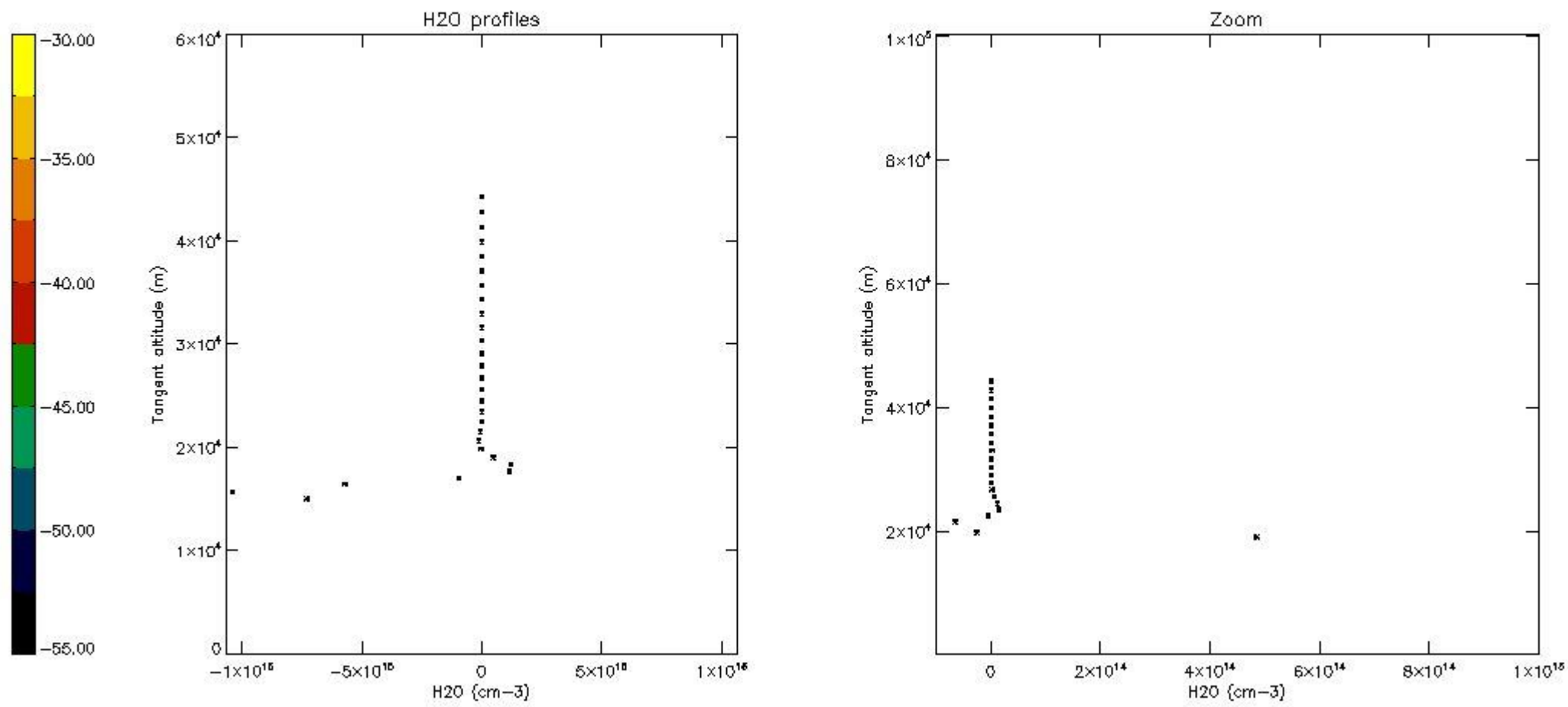
*5.7 Plot NO3 profiles for all STD (dark without errors)*

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)

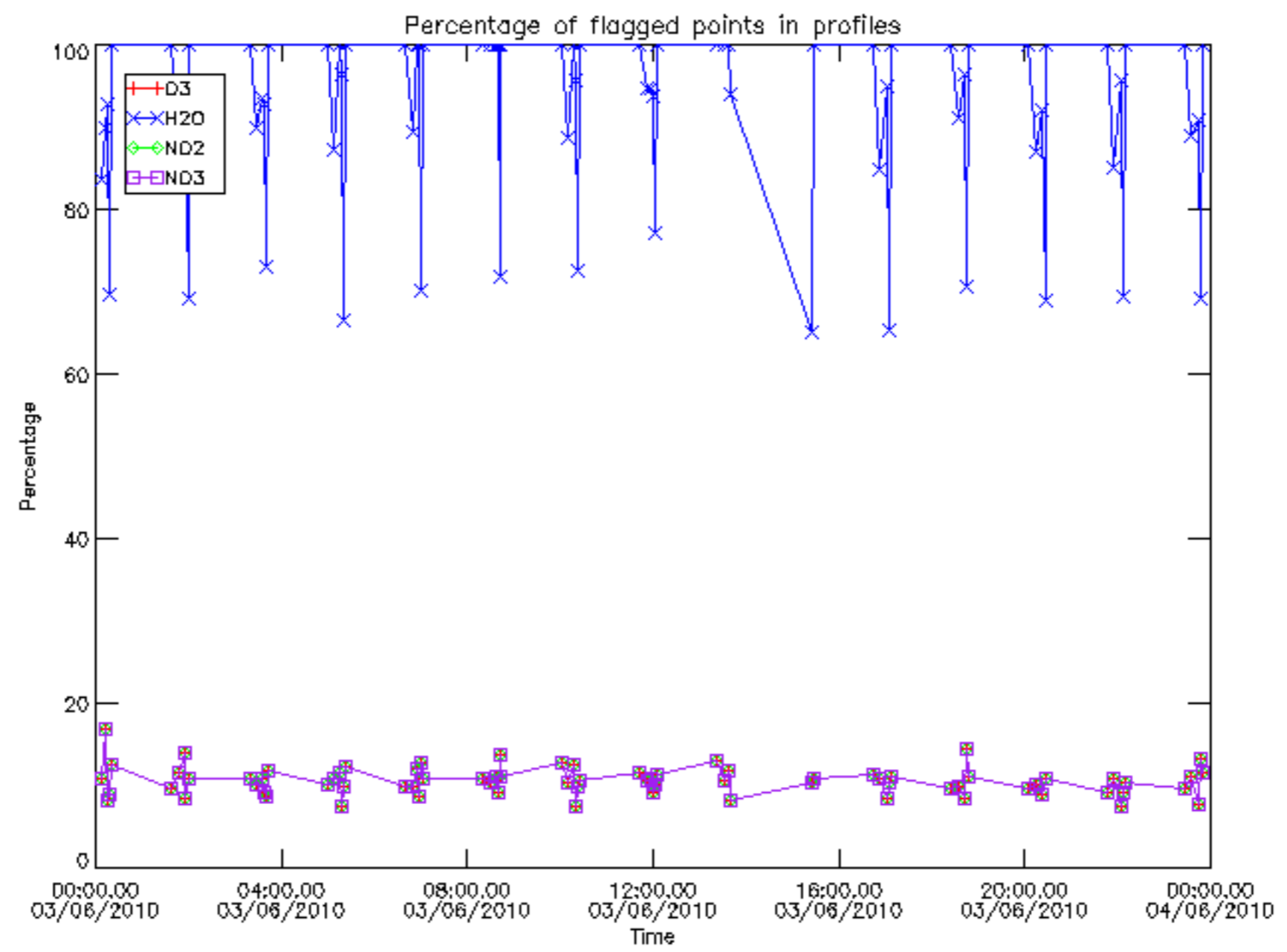
The colorbar represents the latitude.



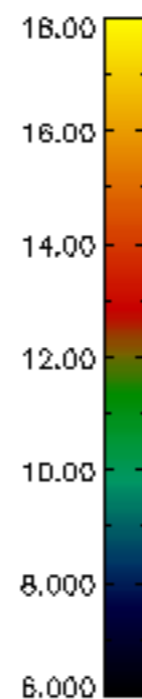
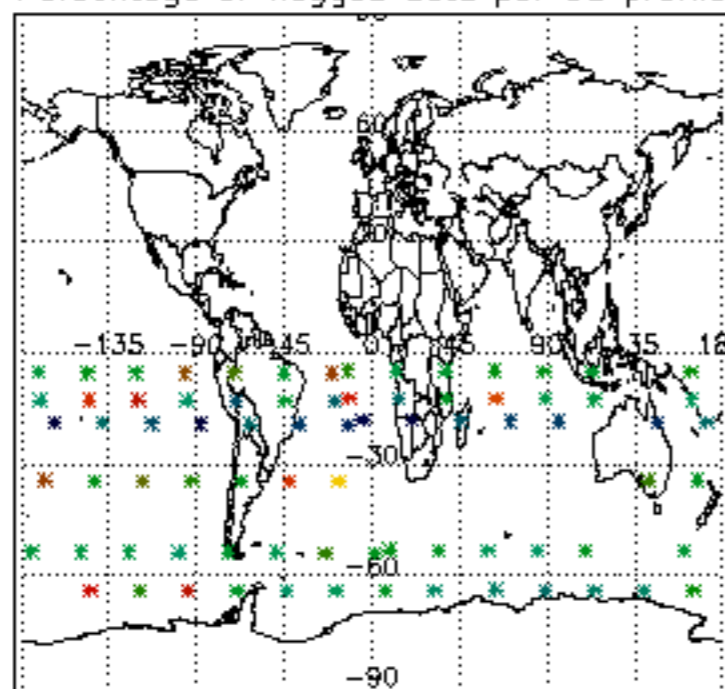
## 6. Auxiliary Data Files used for the production reported in section 2

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.

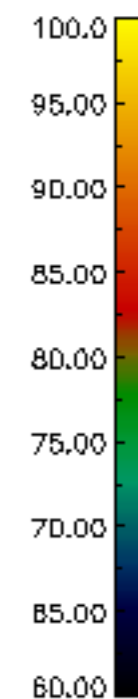
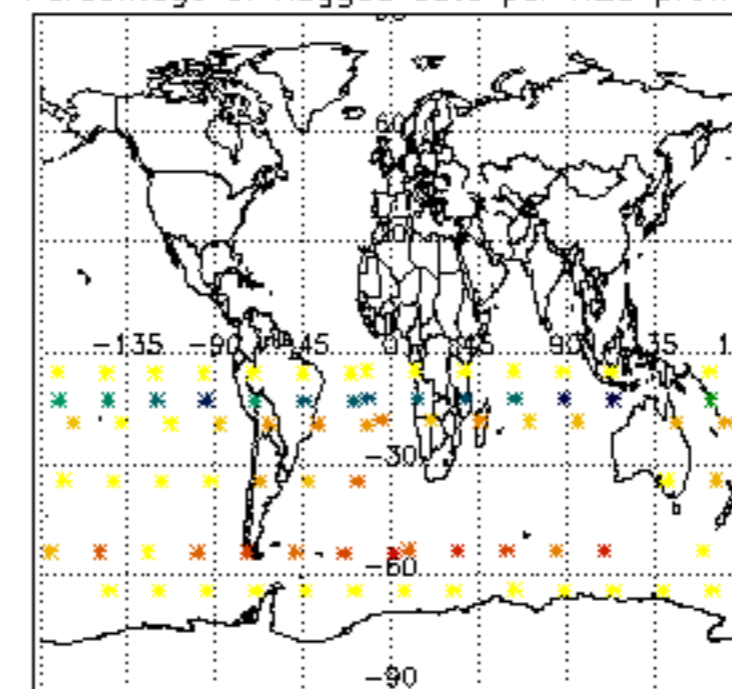
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	03-JUN-2010 00:06:49
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	03-JUN-2010 00:06:49
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	03-JUN-2010 00:06:49



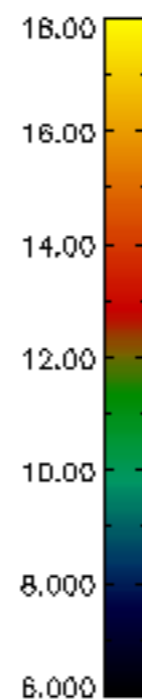
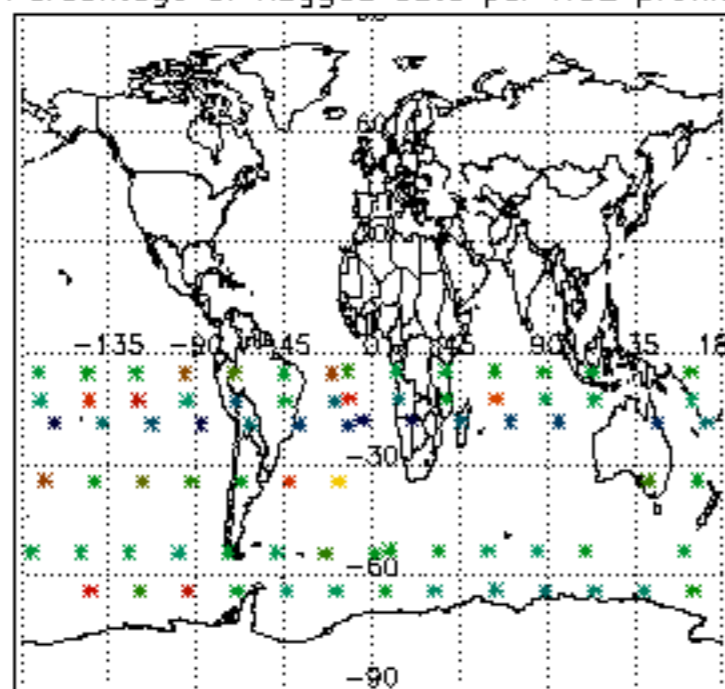
Percentage of flagged data per D3 profile



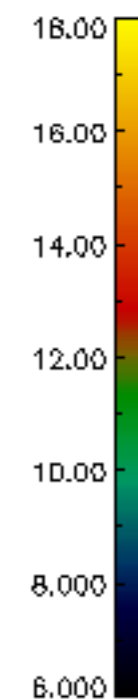
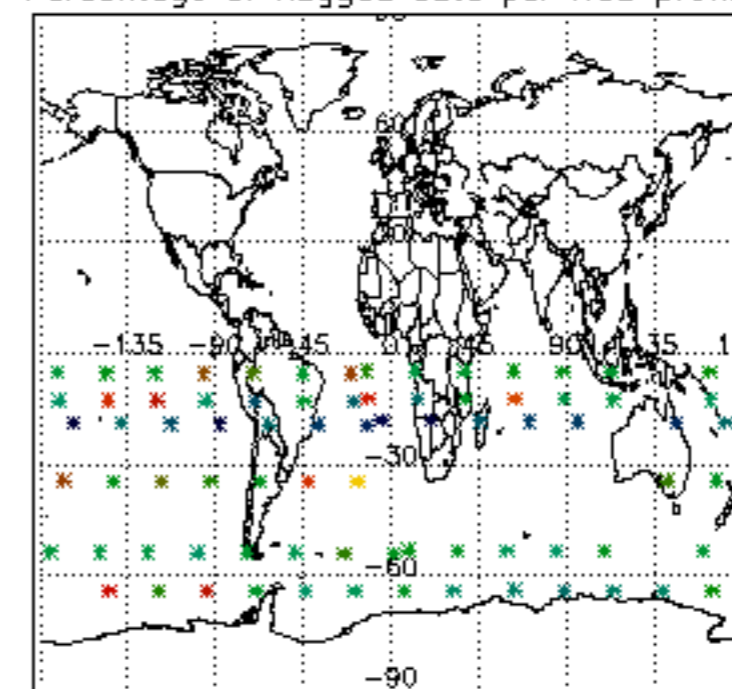
Percentage of flagged data per H2O profile



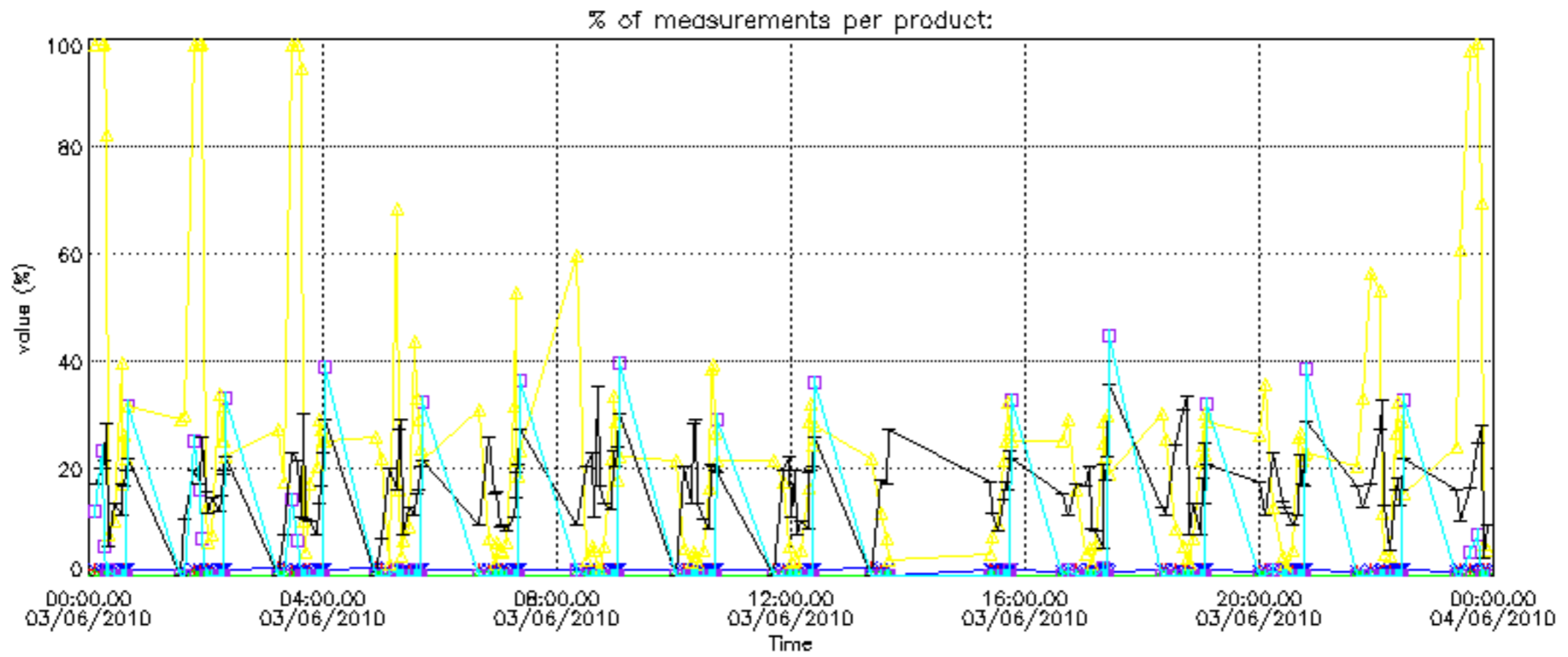
Percentage of flagged data per NO2 profile

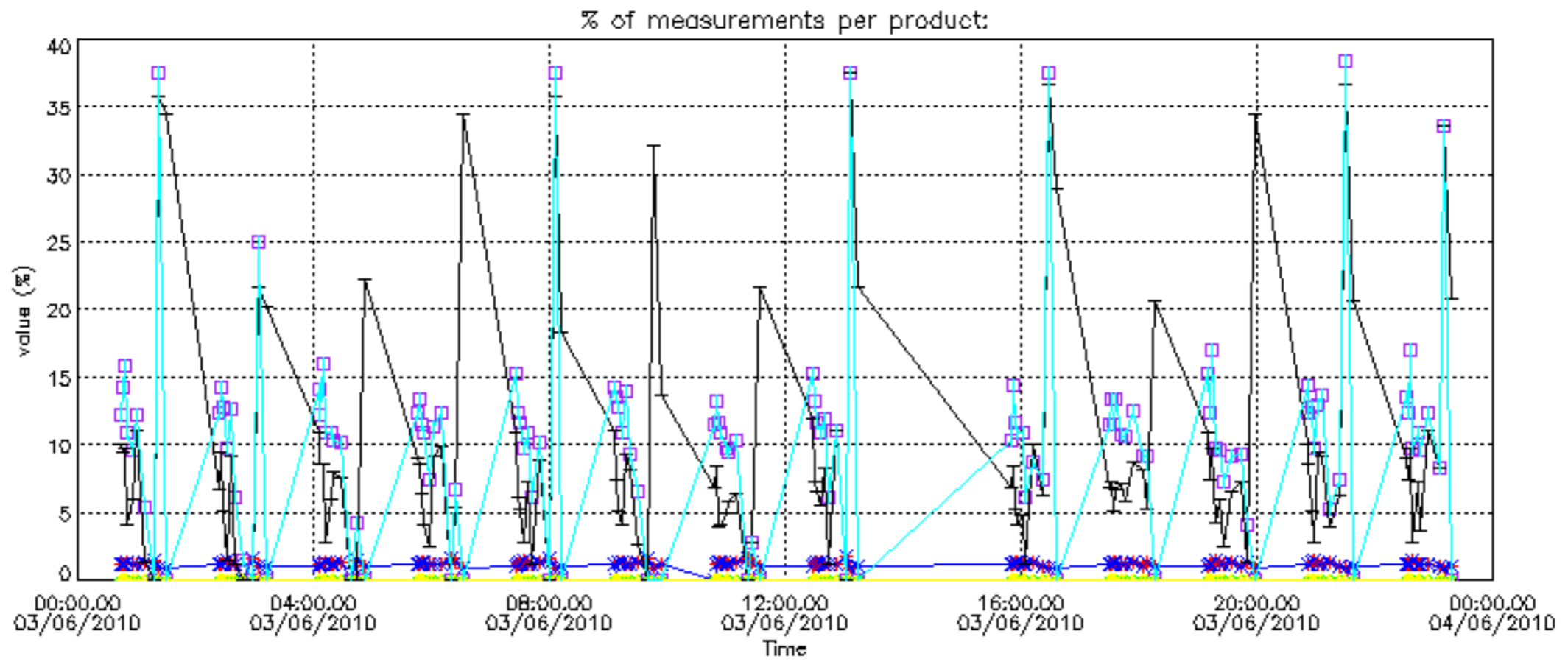


Percentage of flagged data per NO3 profile

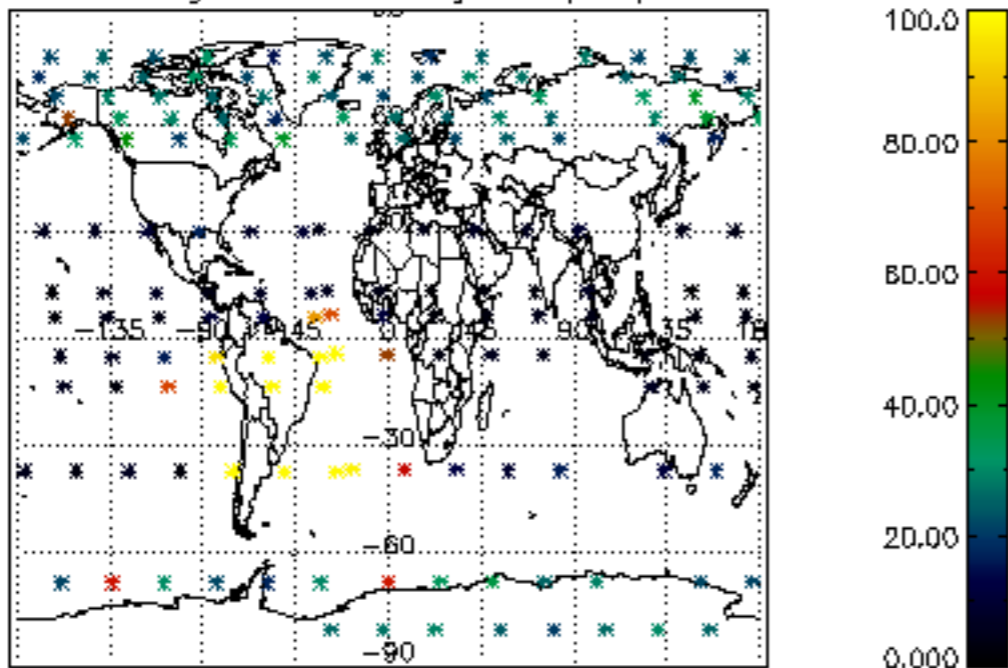




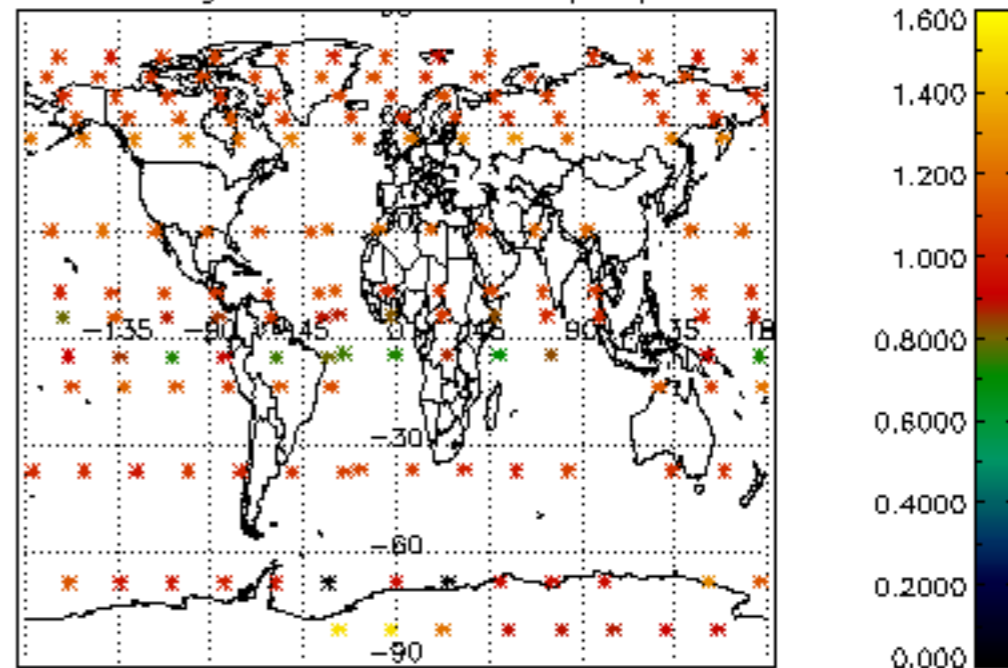




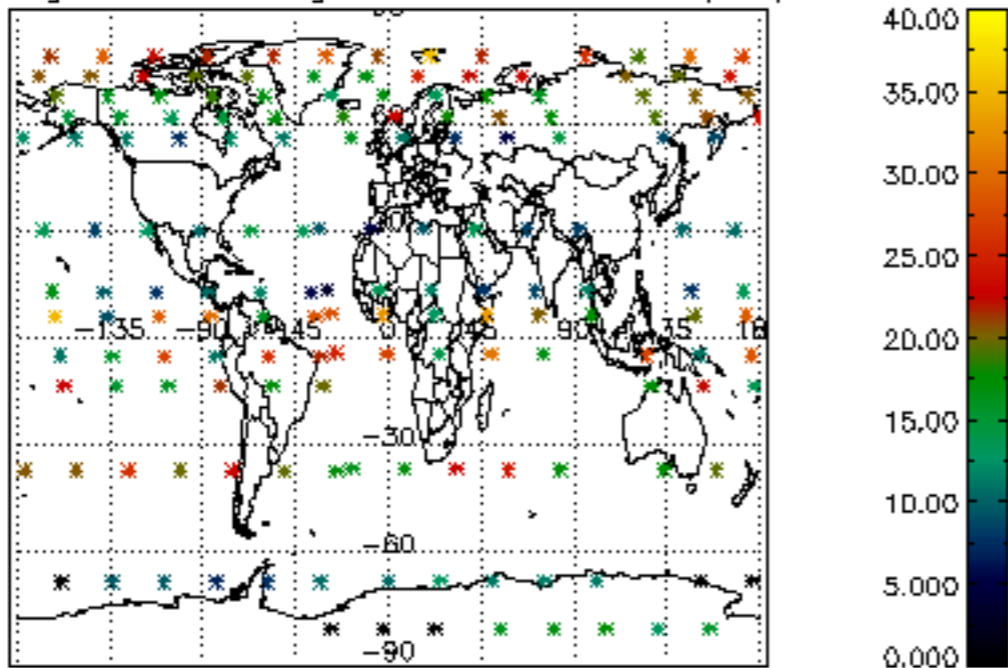
Percentage of cosmic ray hits per profile



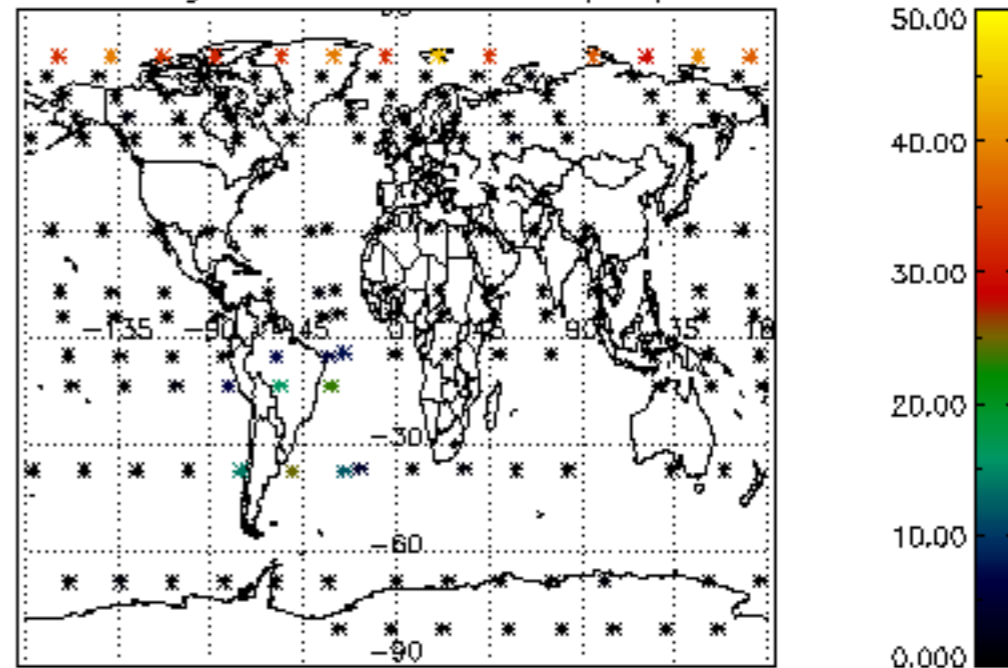
Percentage of datation errors per profile



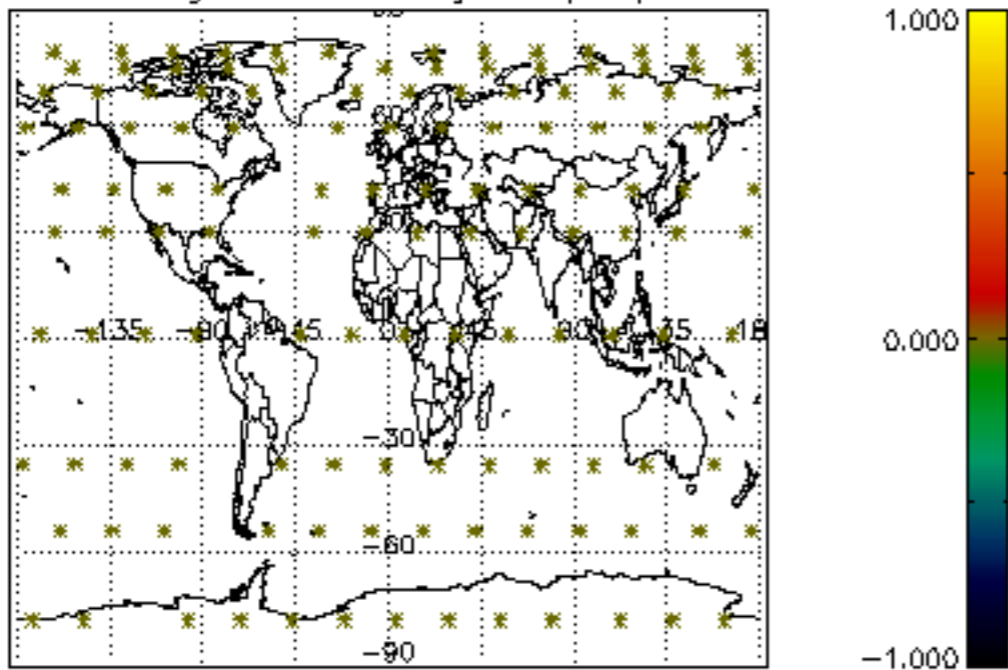
Percentage of star falling outside central band per profile



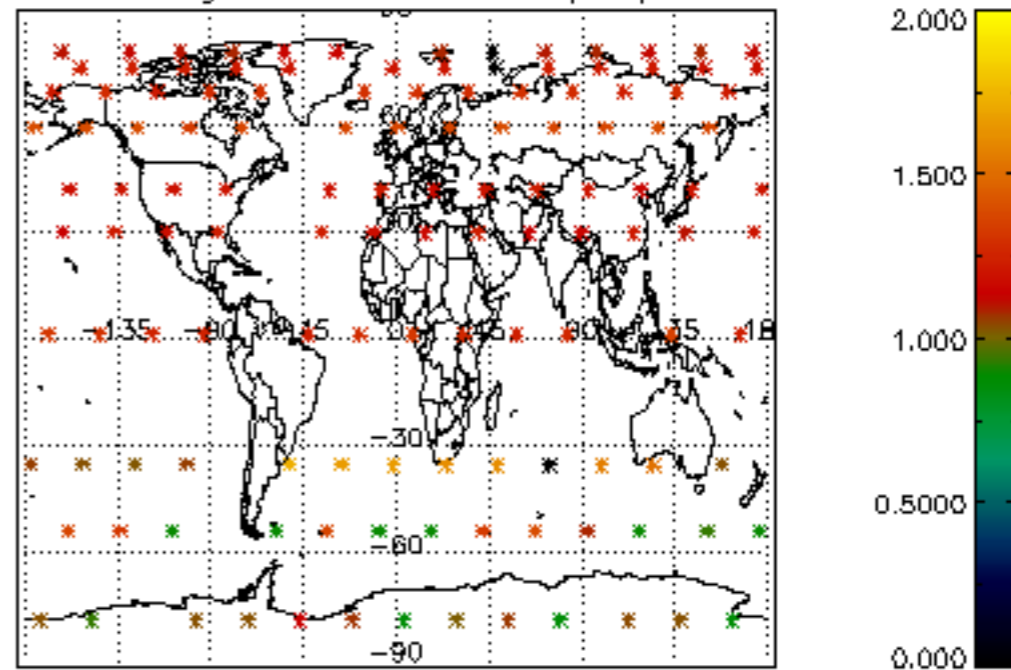
Percentage of saturation errors per profile



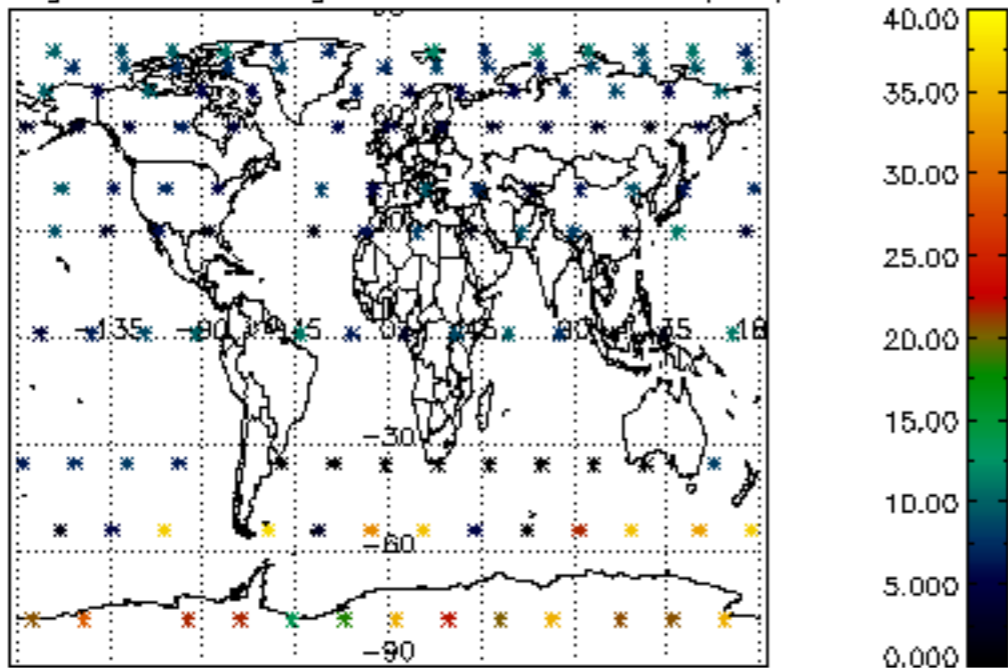
Percentage of cosmic ray hits per profile



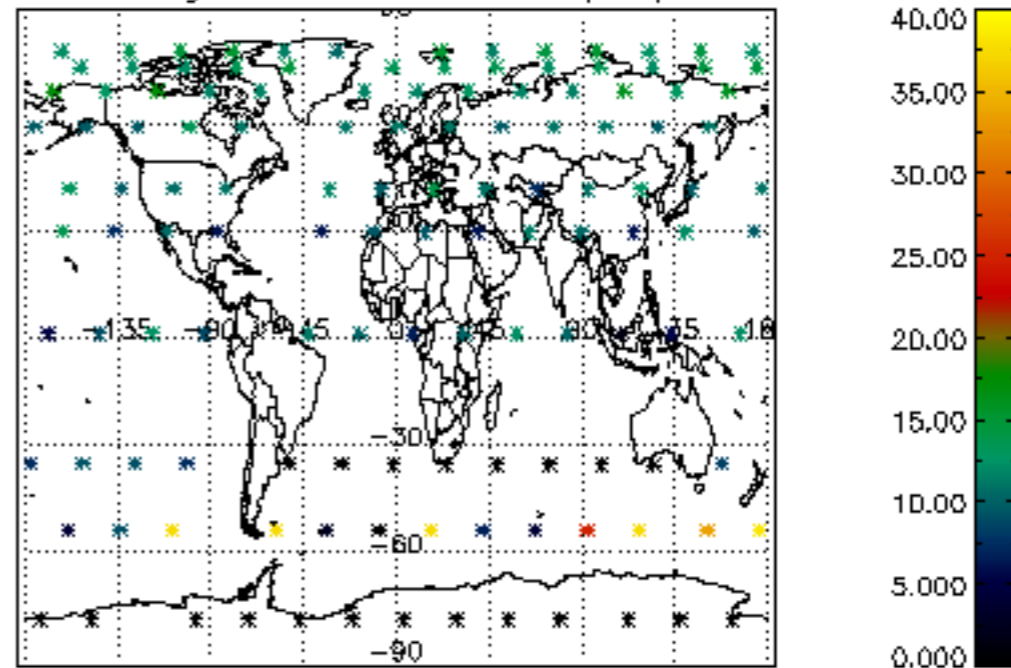
Percentage of datation errors per profile

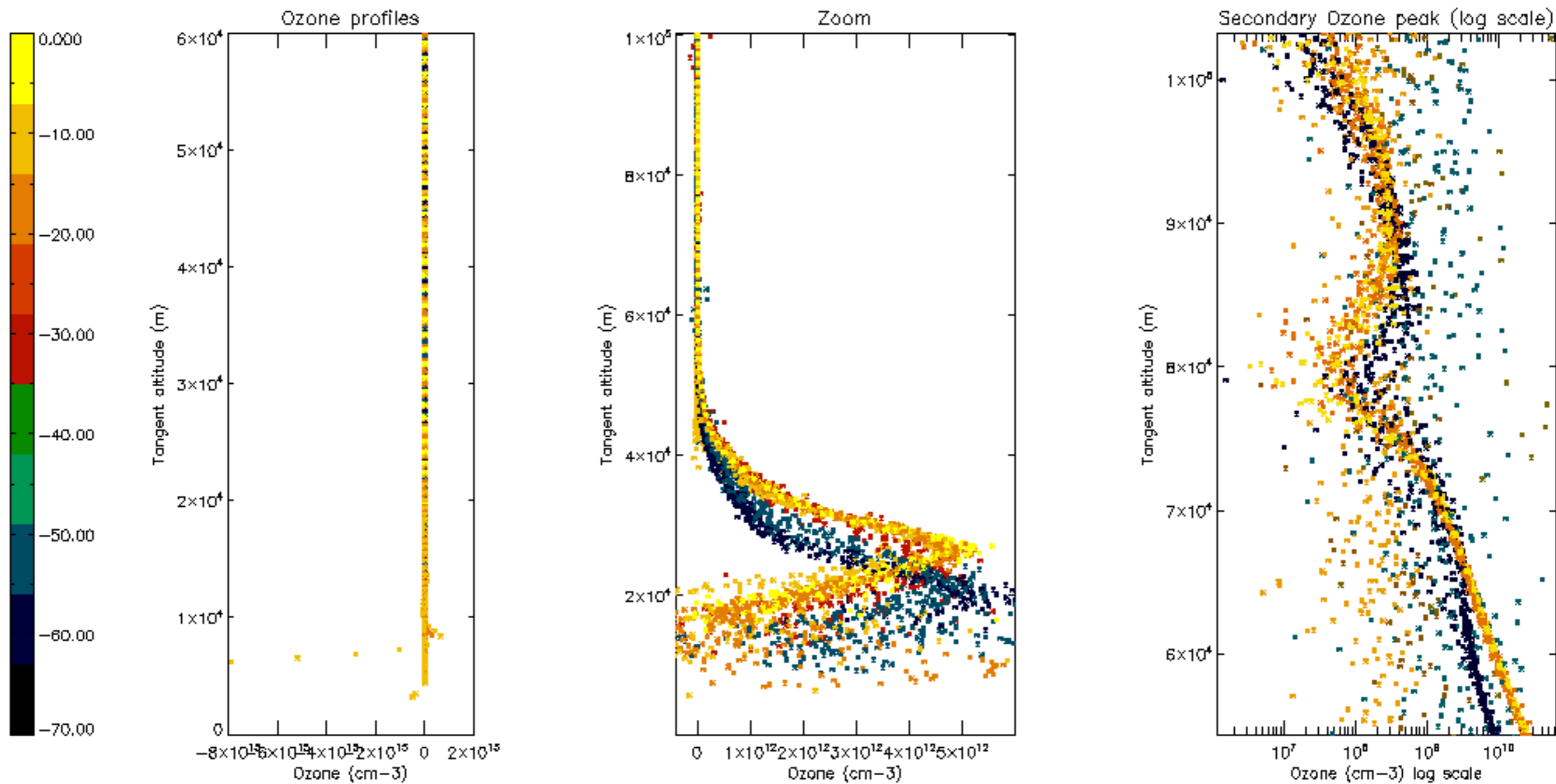


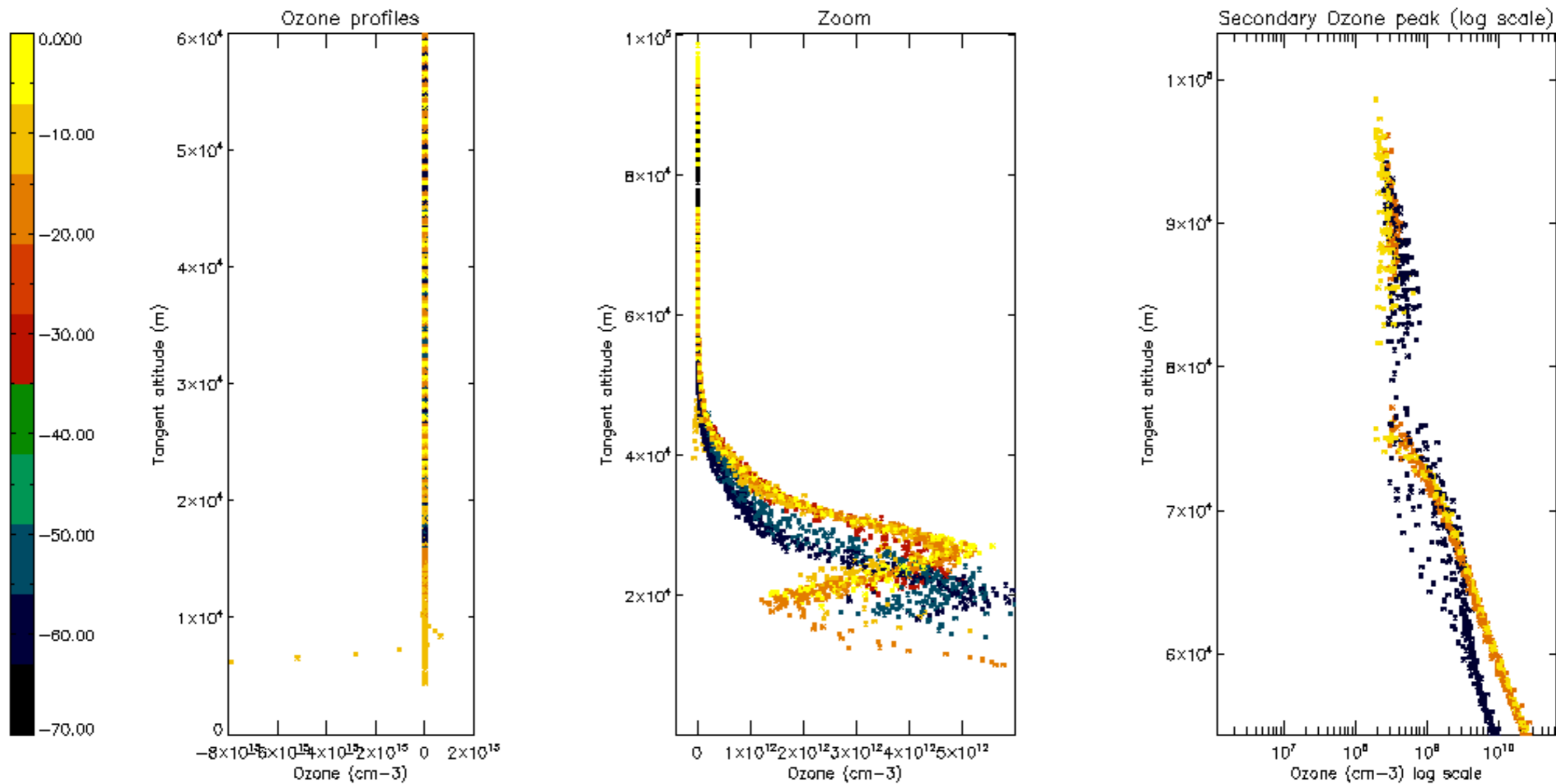
Percentage of star falling outside central band per profile

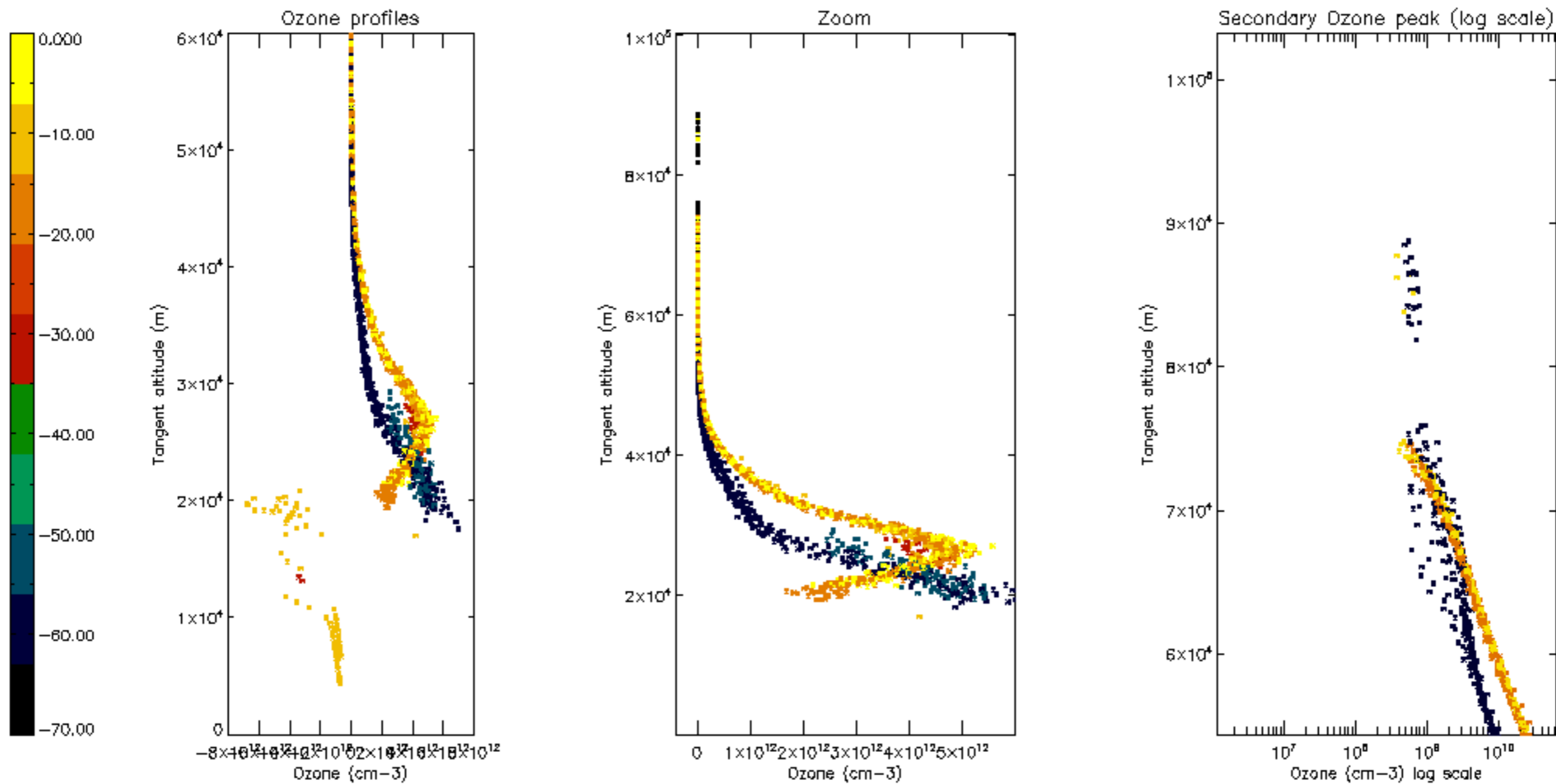


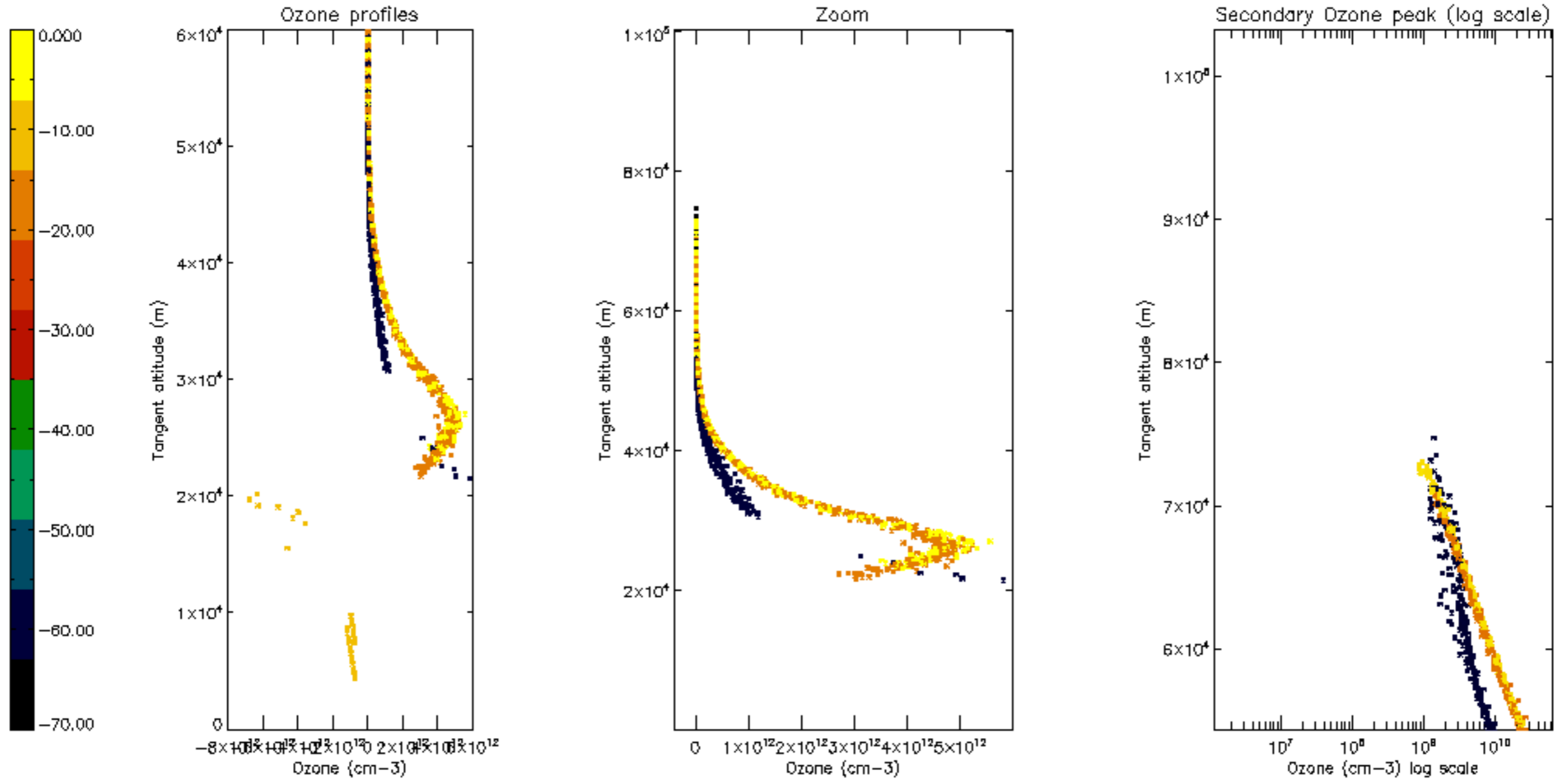
Percentage of saturation errors per profile



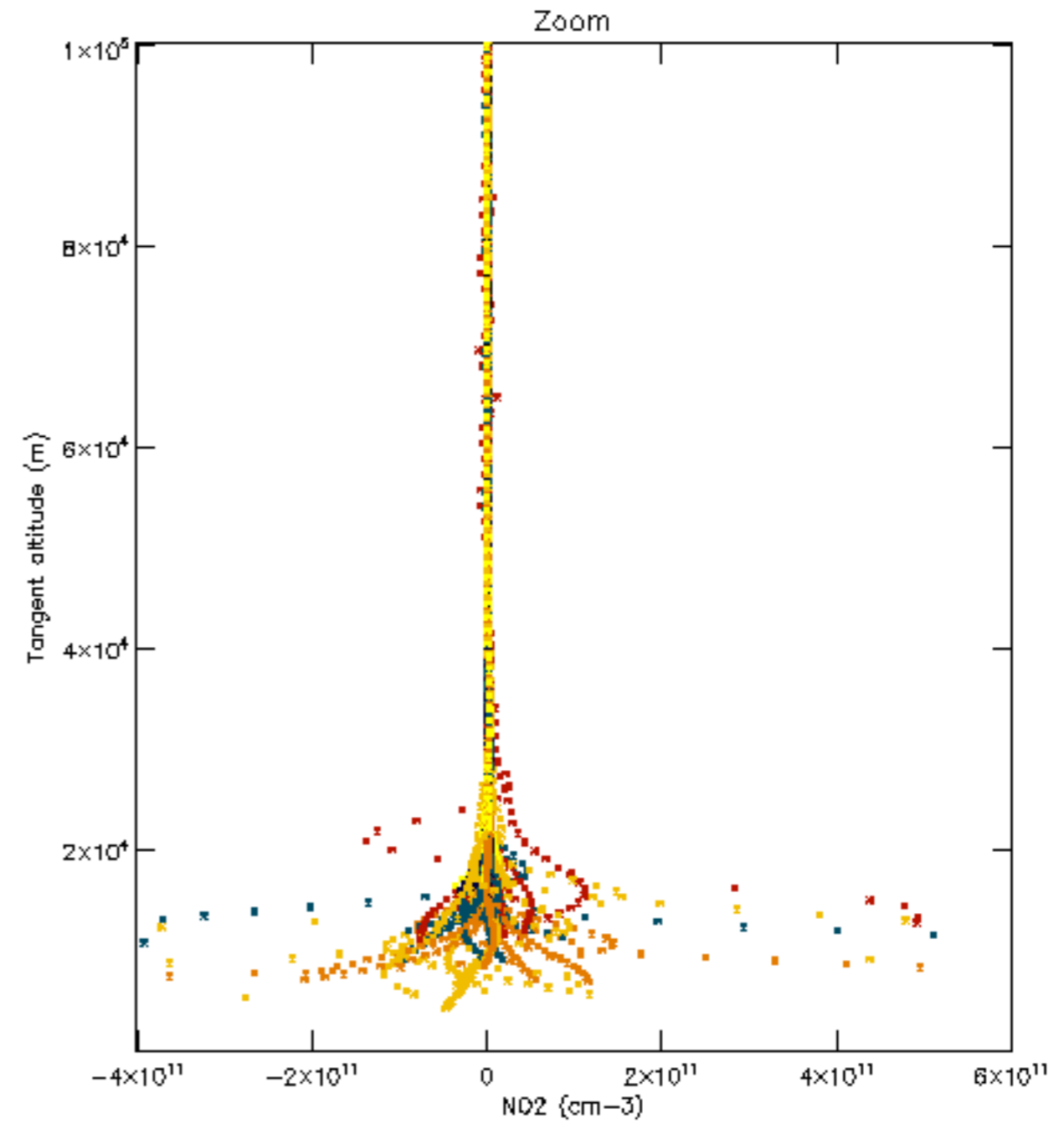
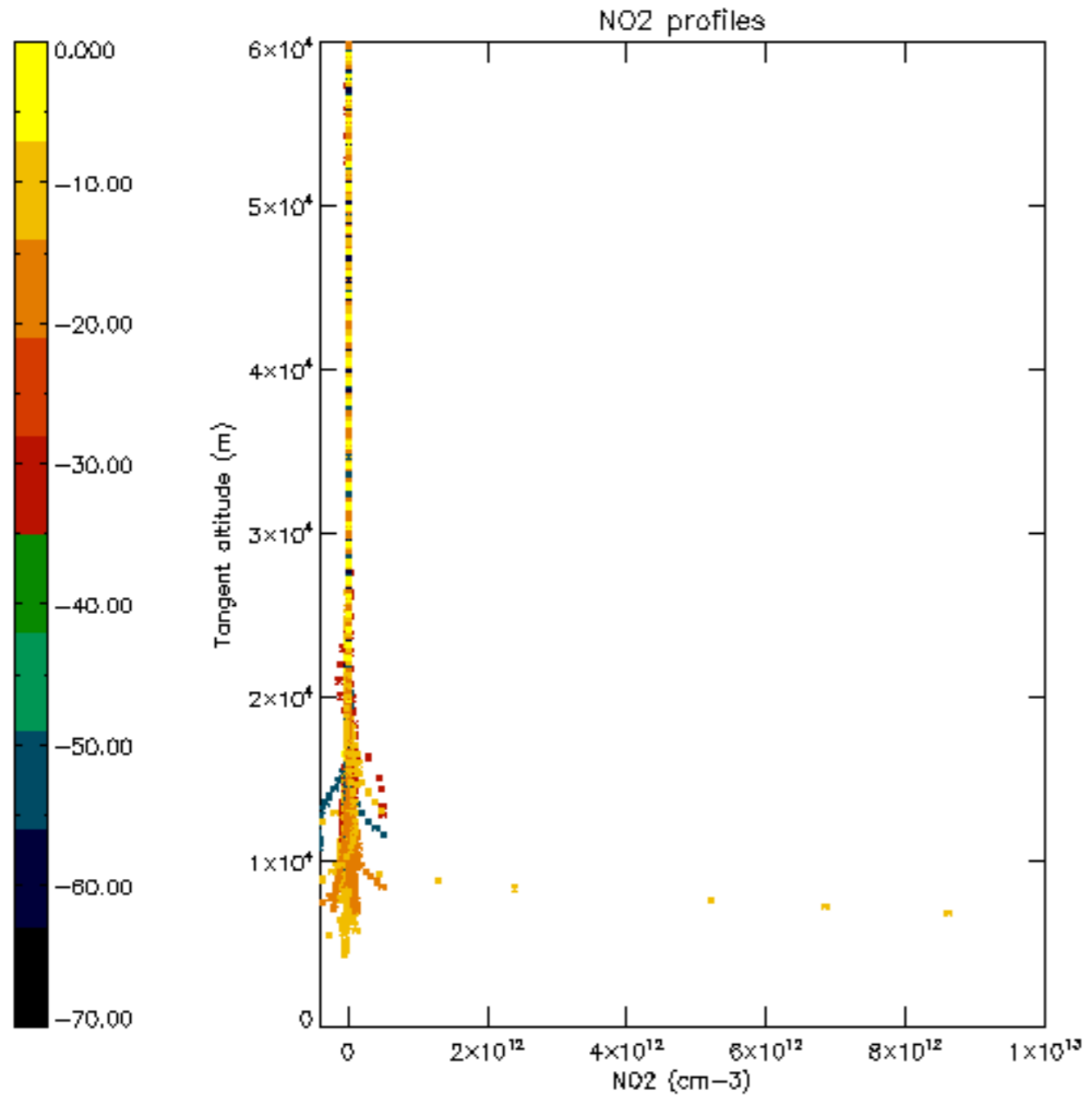


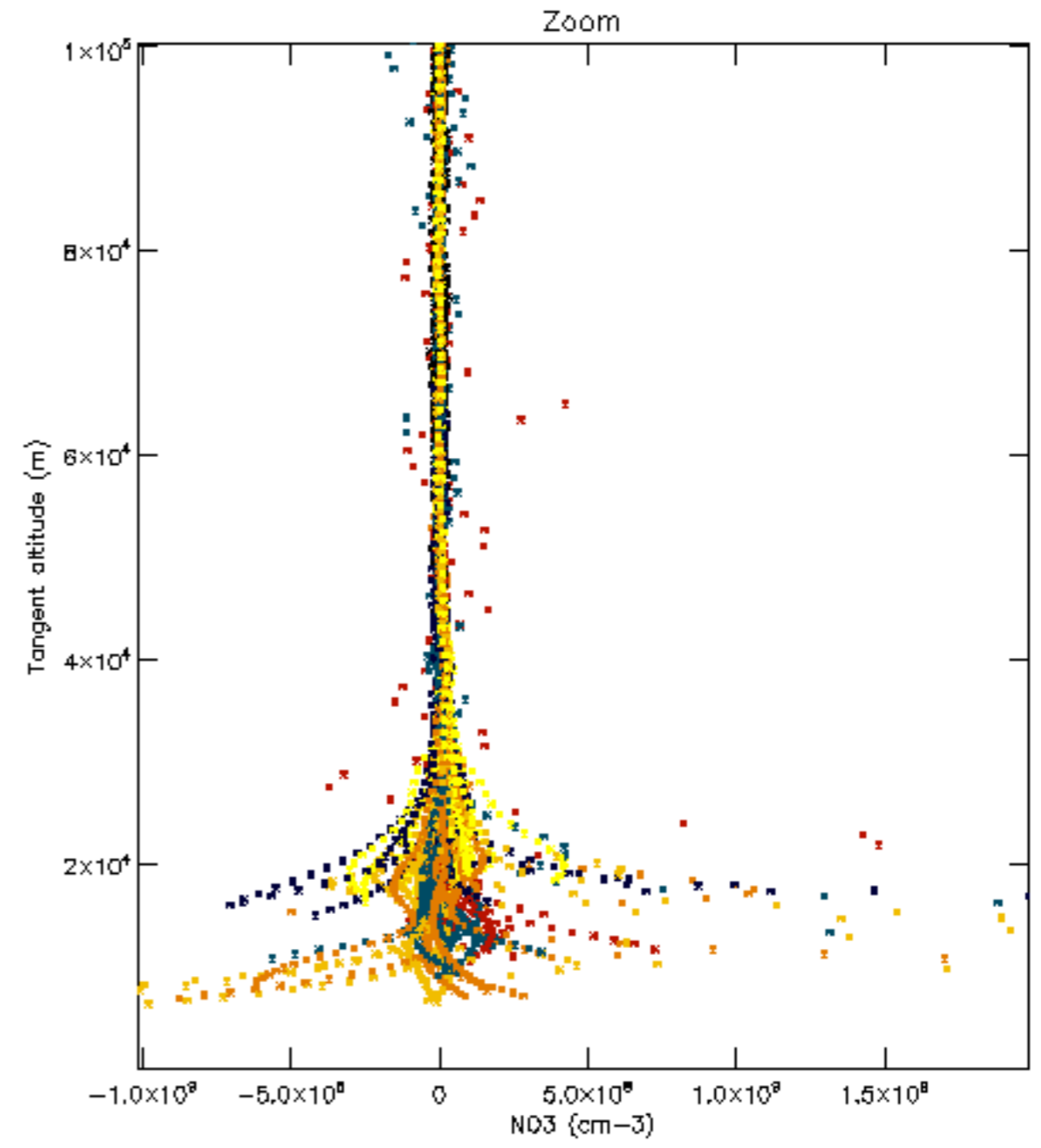
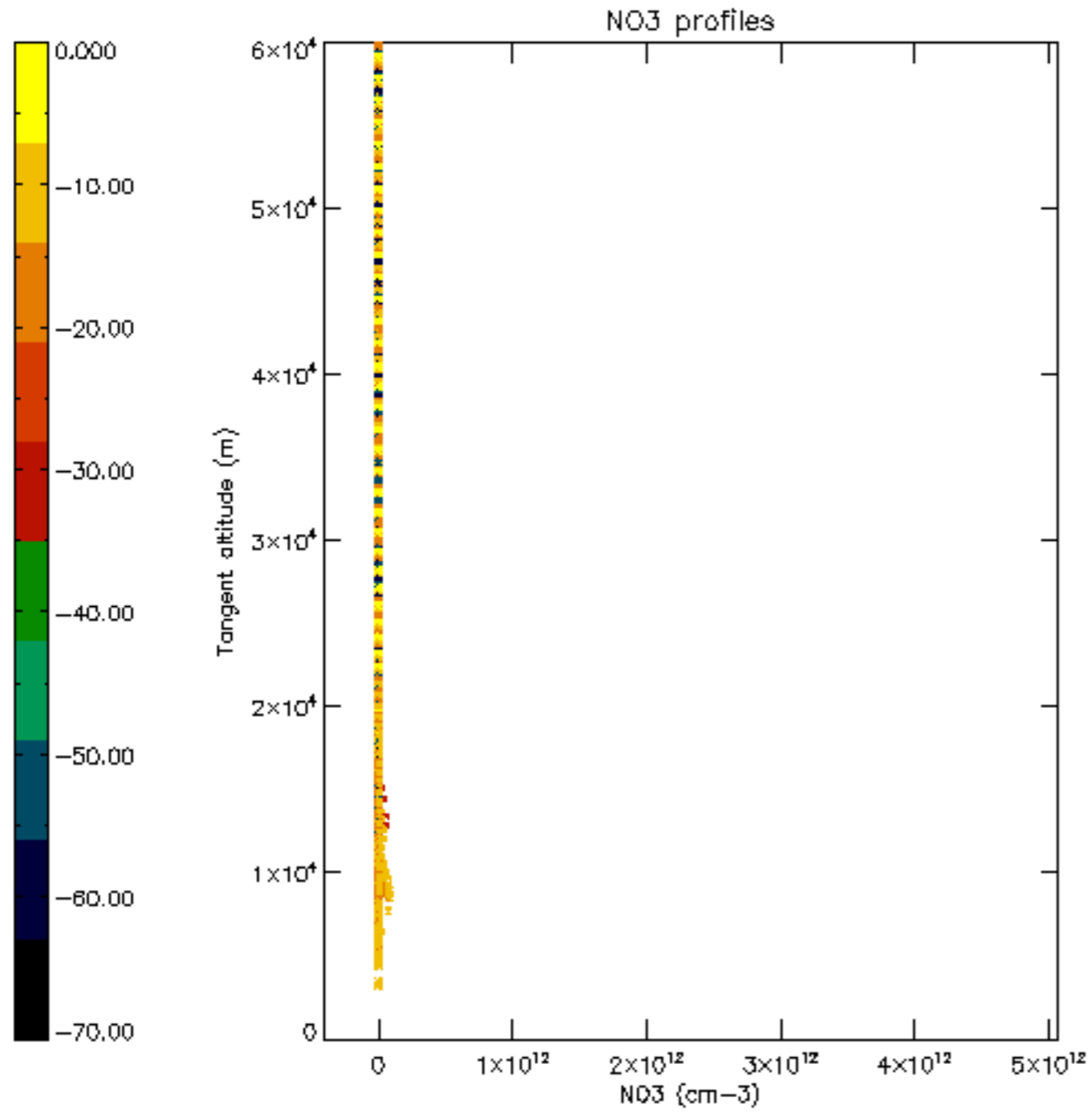


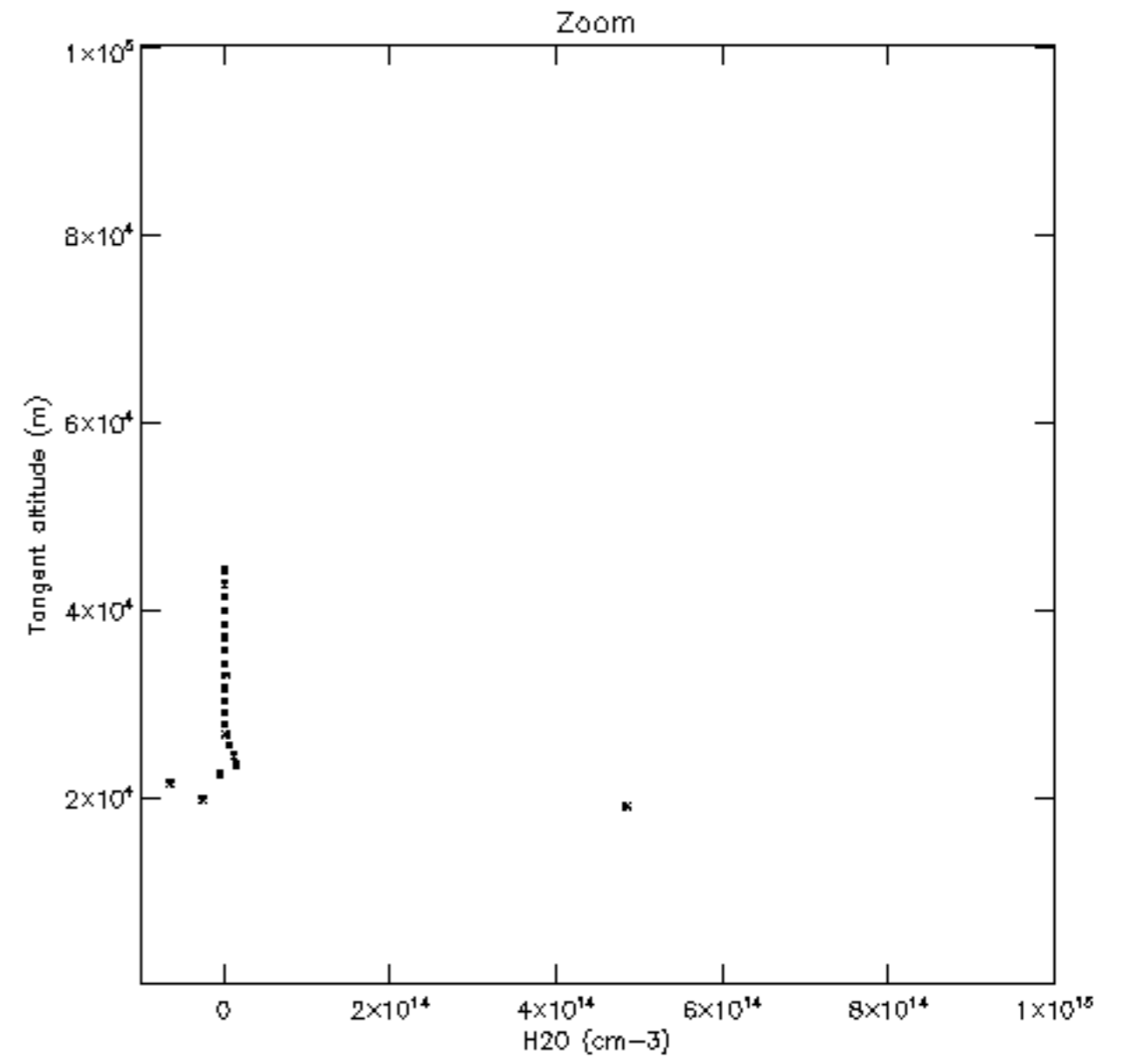
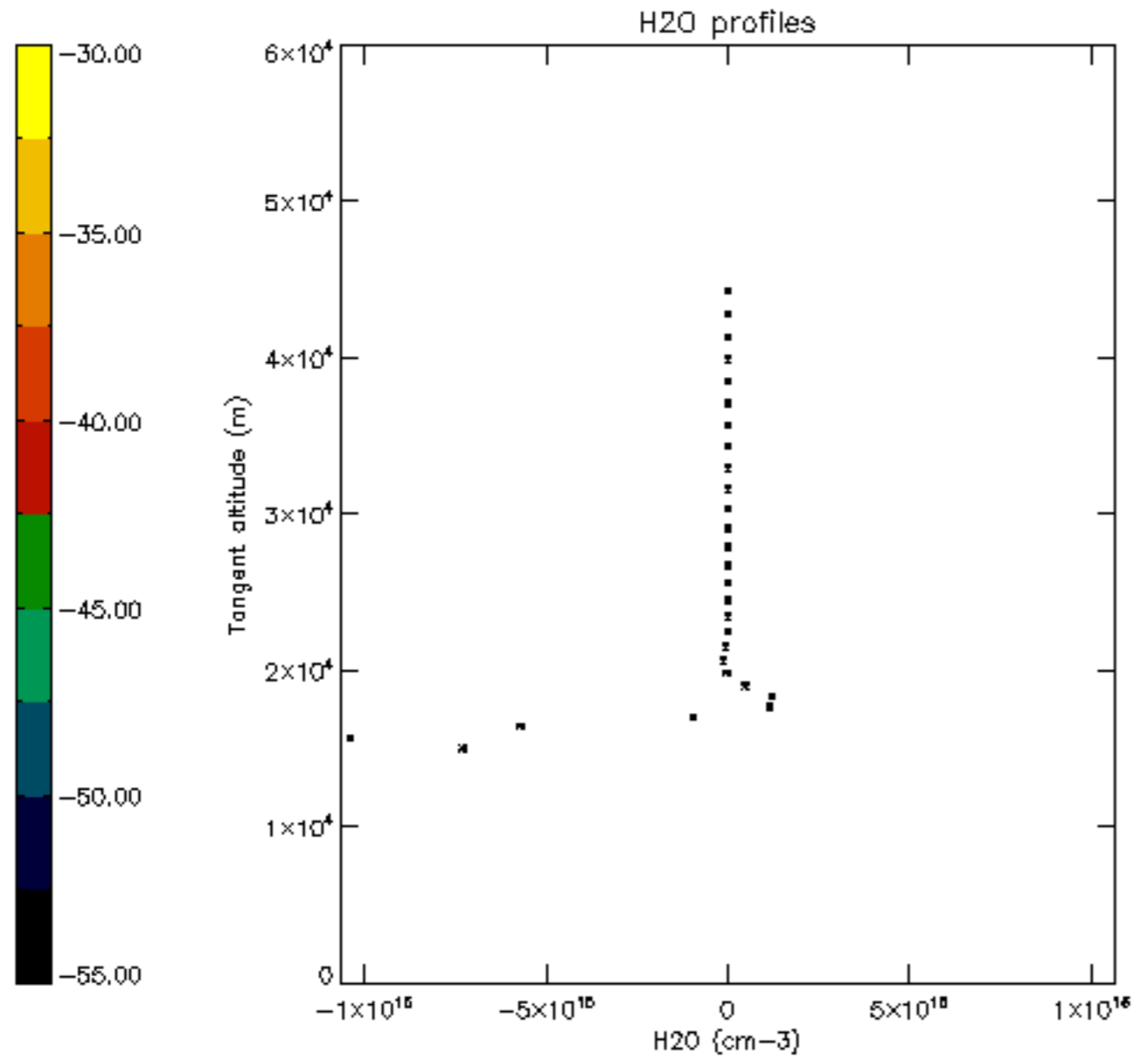


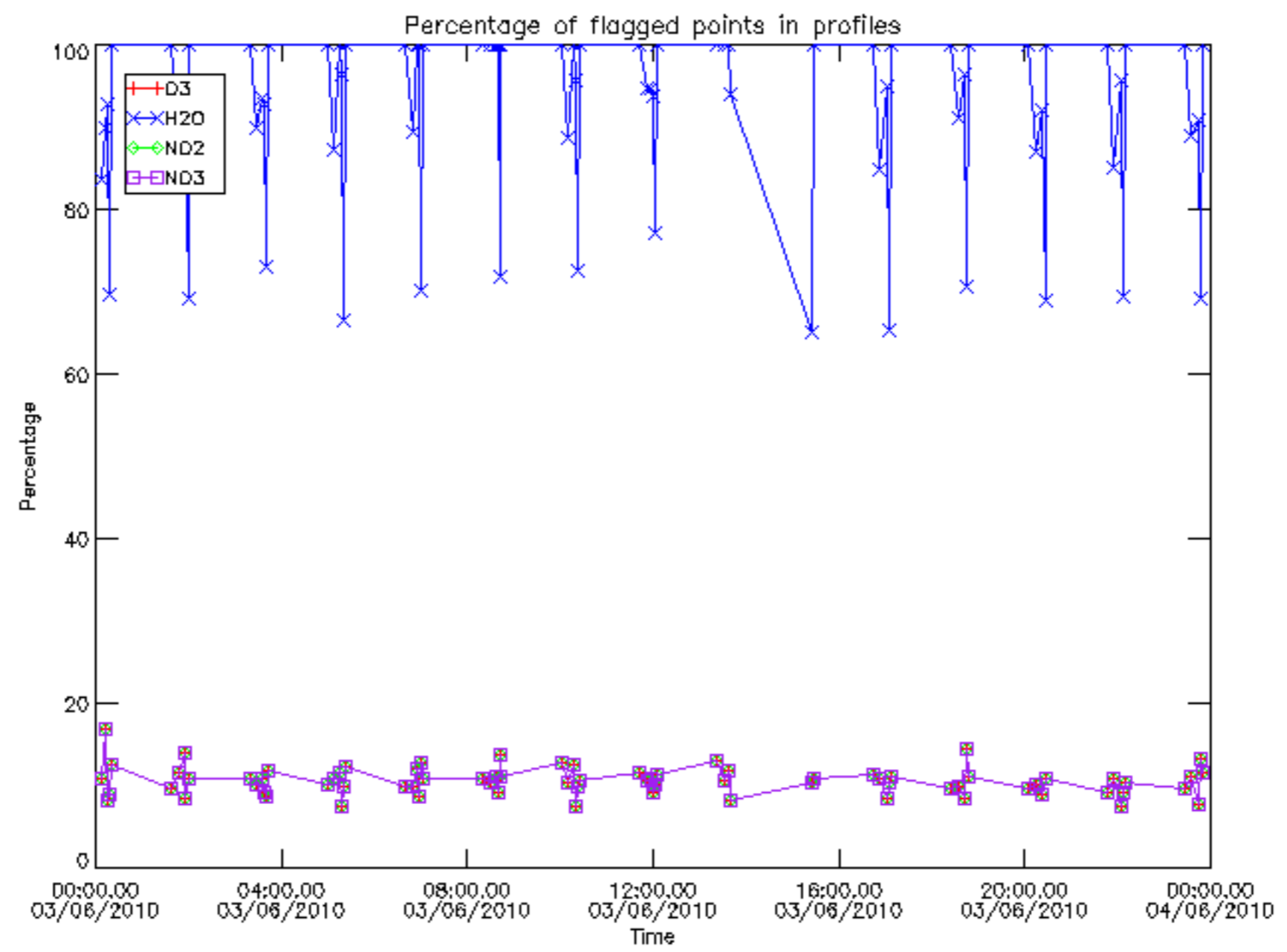




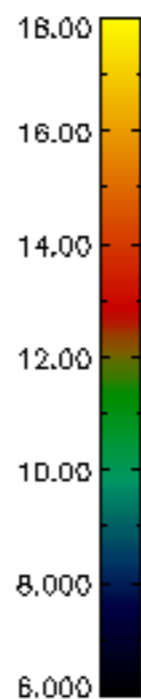
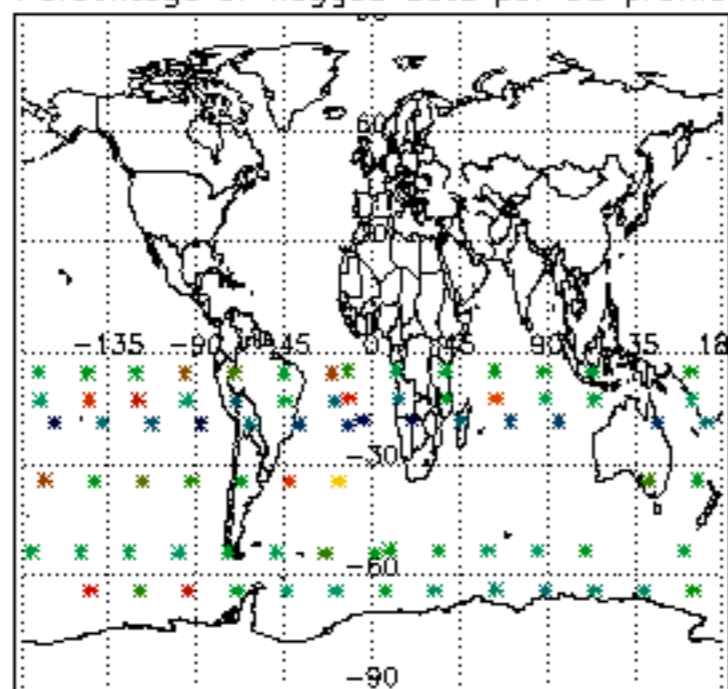




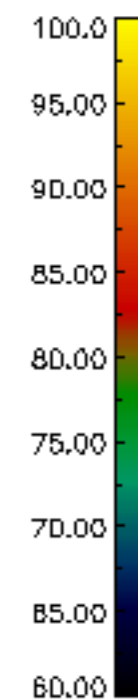
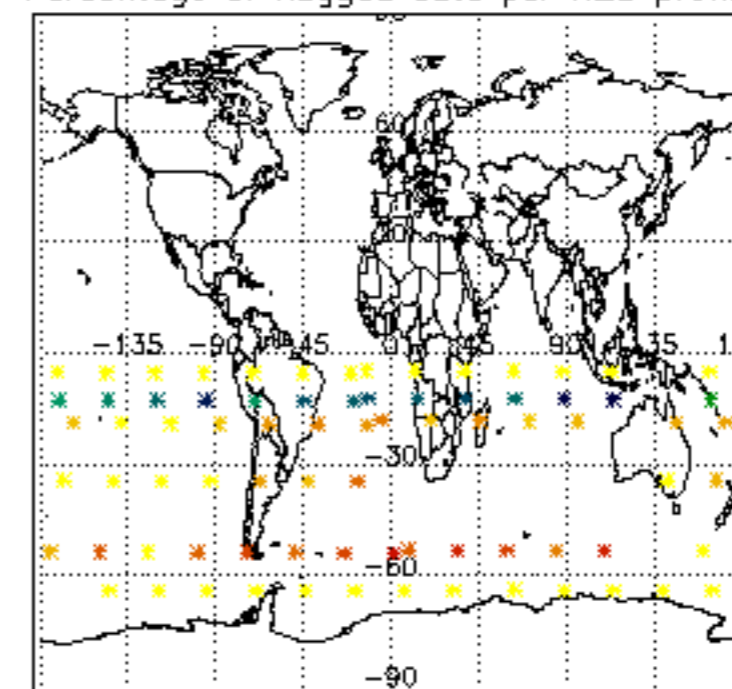




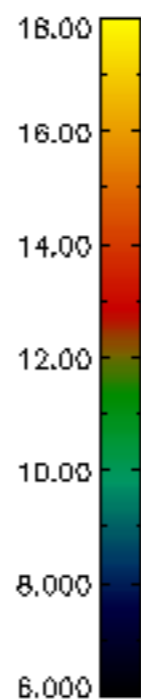
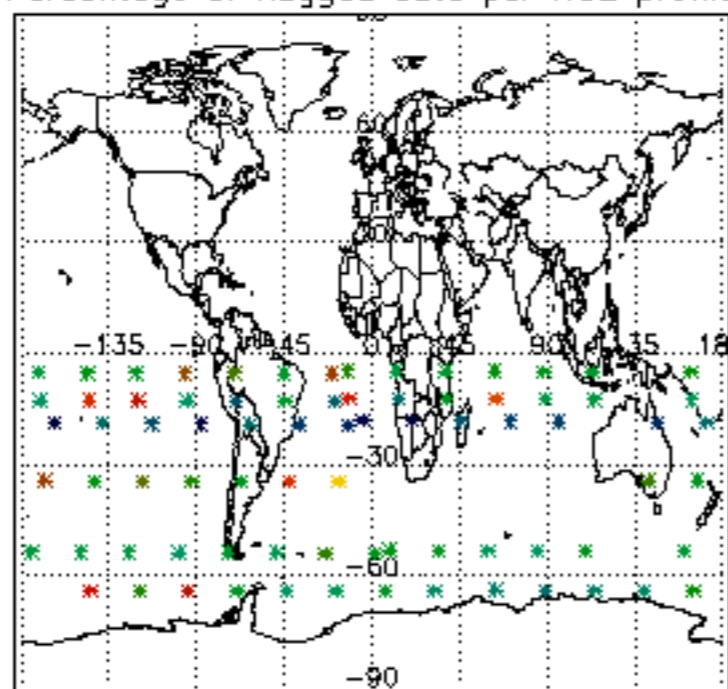
Percentage of flagged data per D3 profile



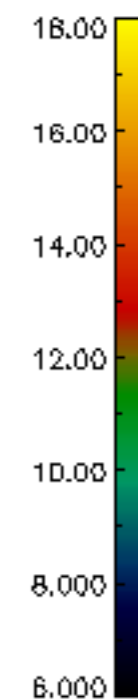
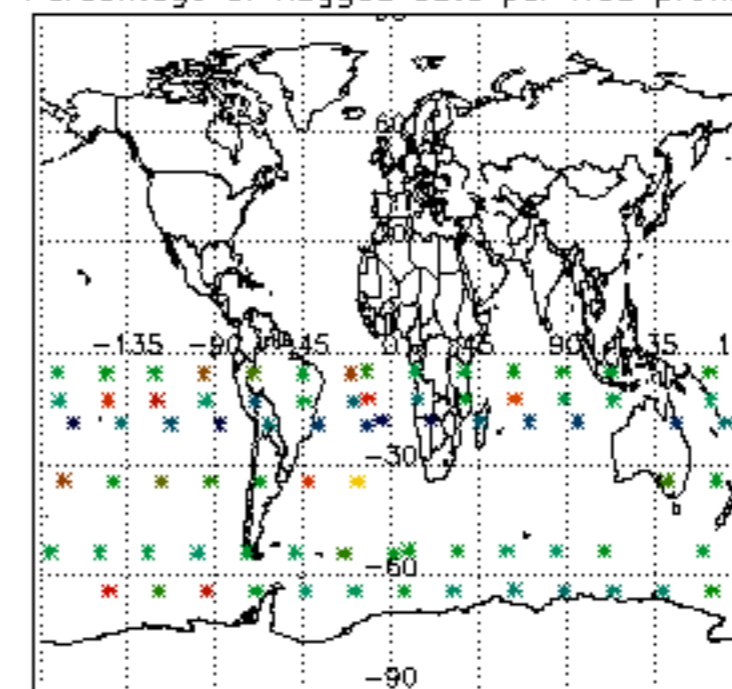
Percentage of flagged data per H2O profile

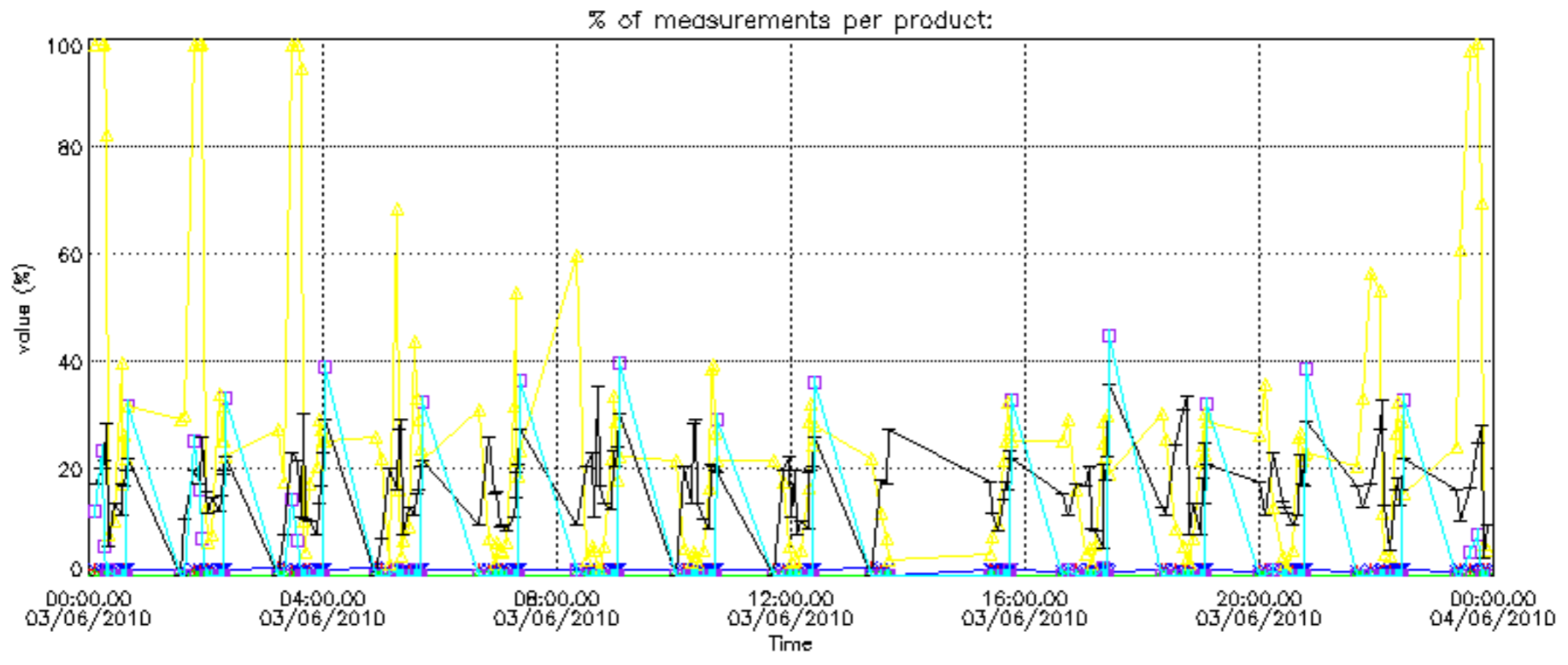


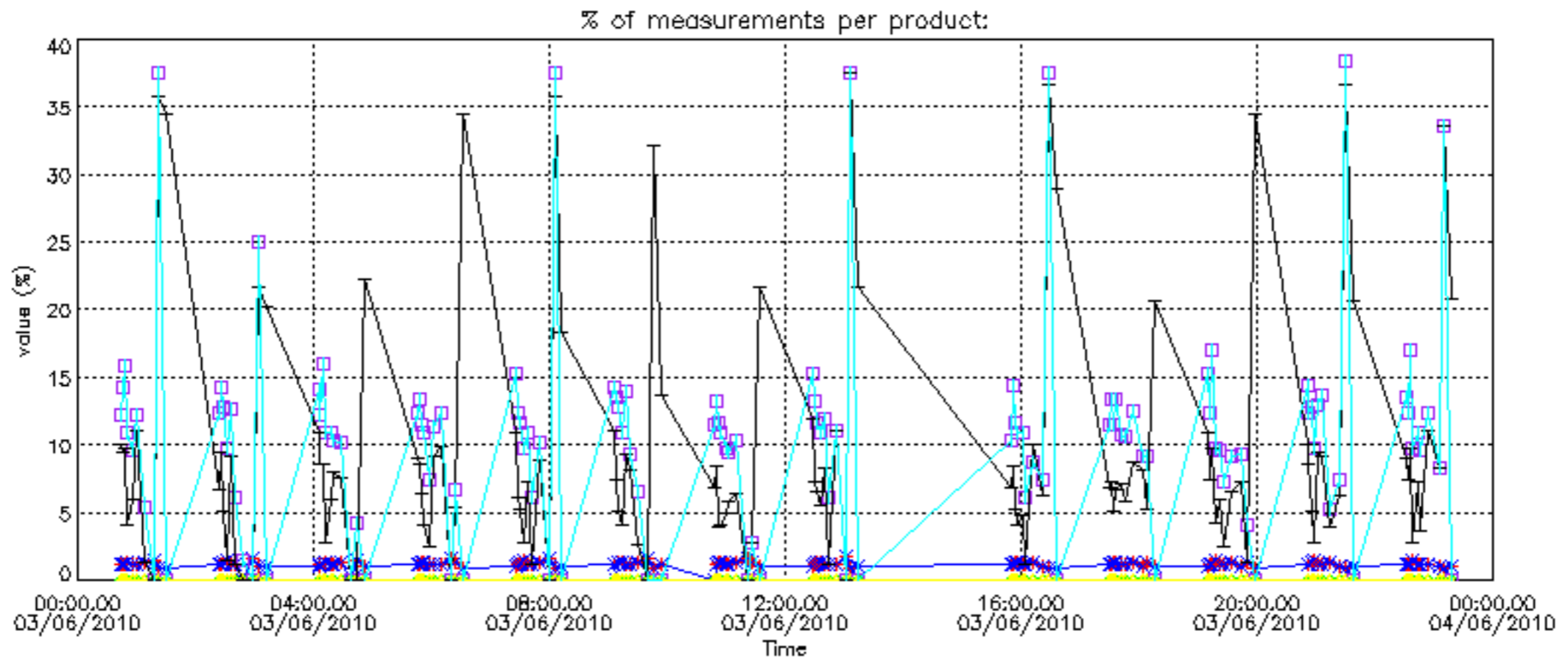
Percentage of flagged data per NO2 profile



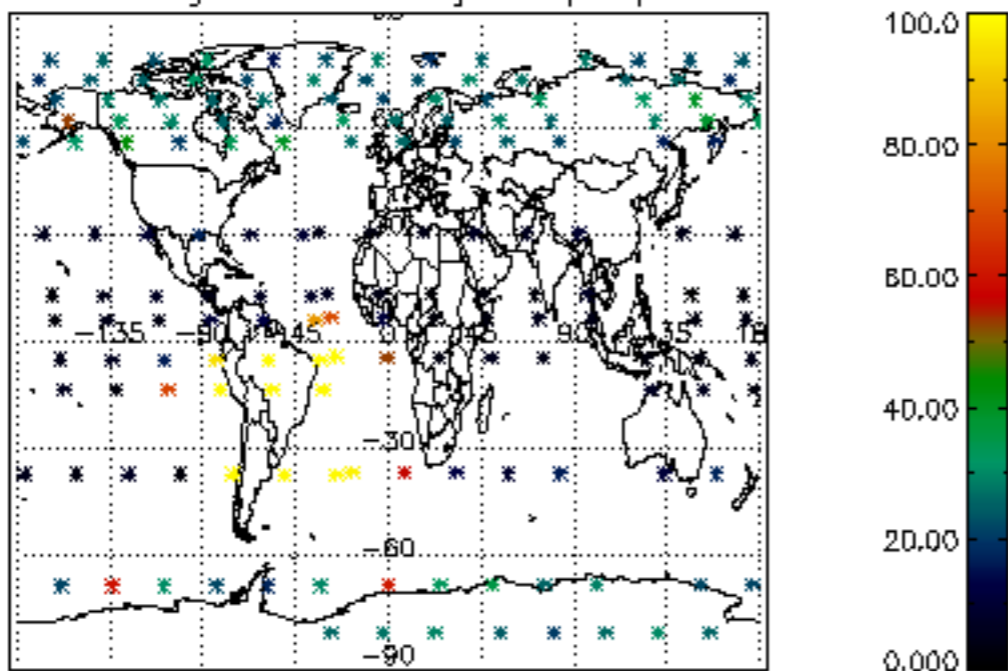
Percentage of flagged data per NO3 profile



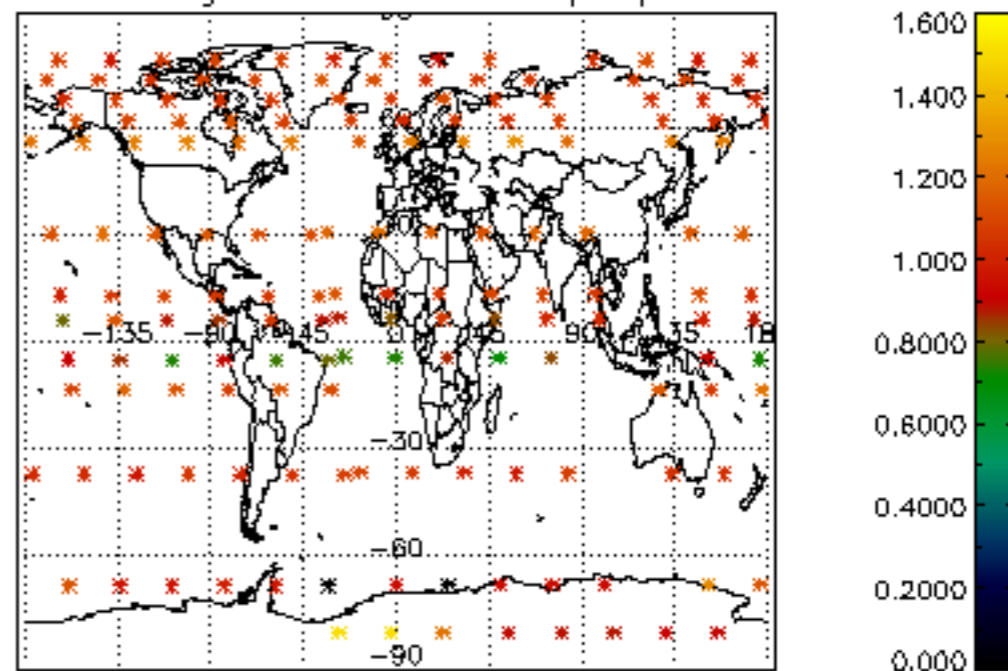




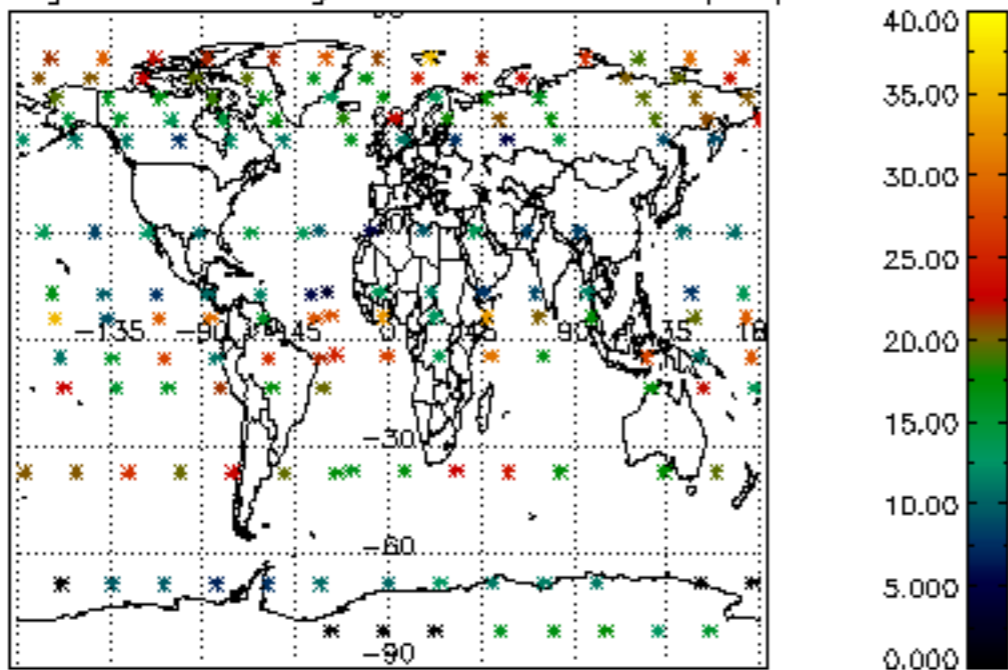
Percentage of cosmic ray hits per profile



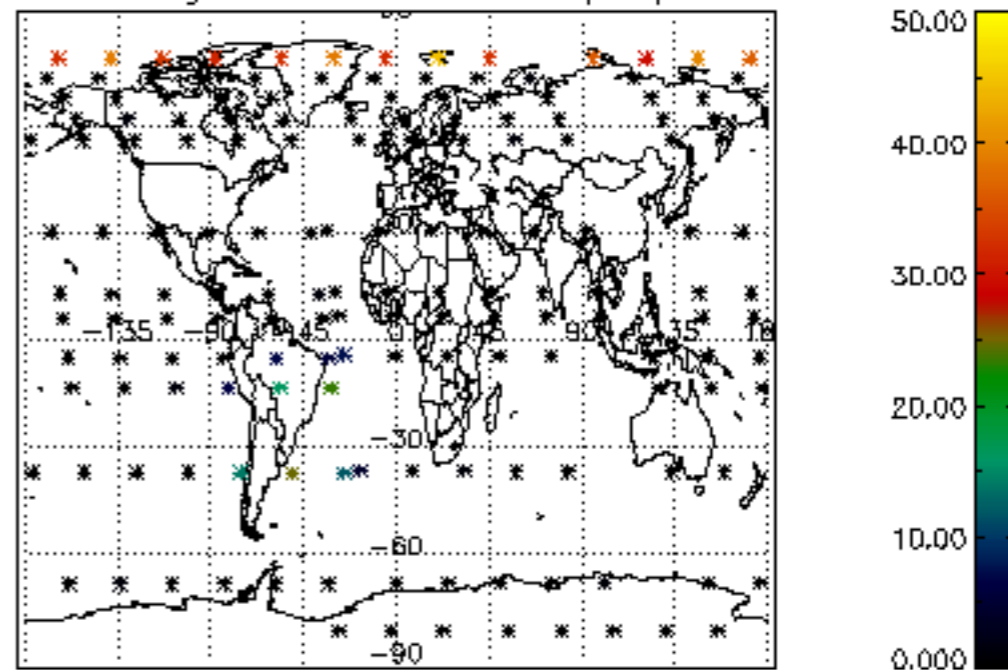
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

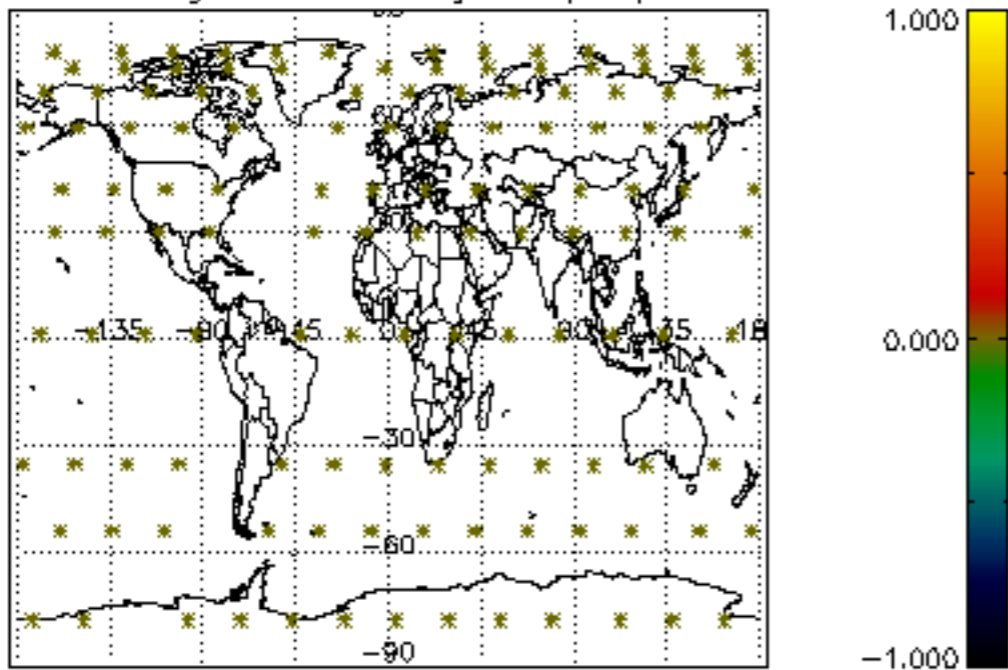


Percentage of saturation errors per profile

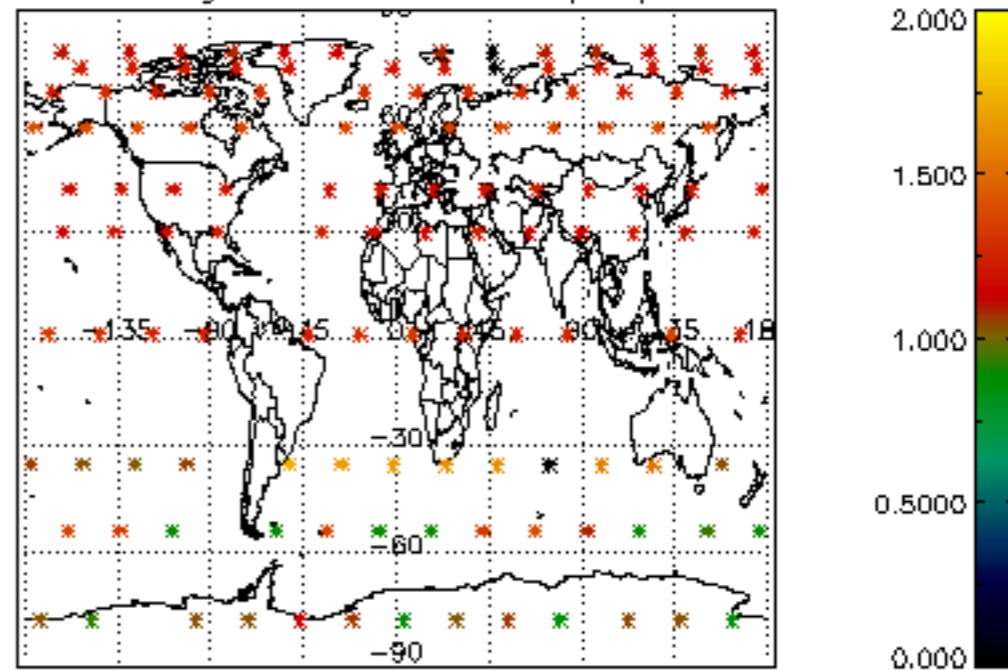




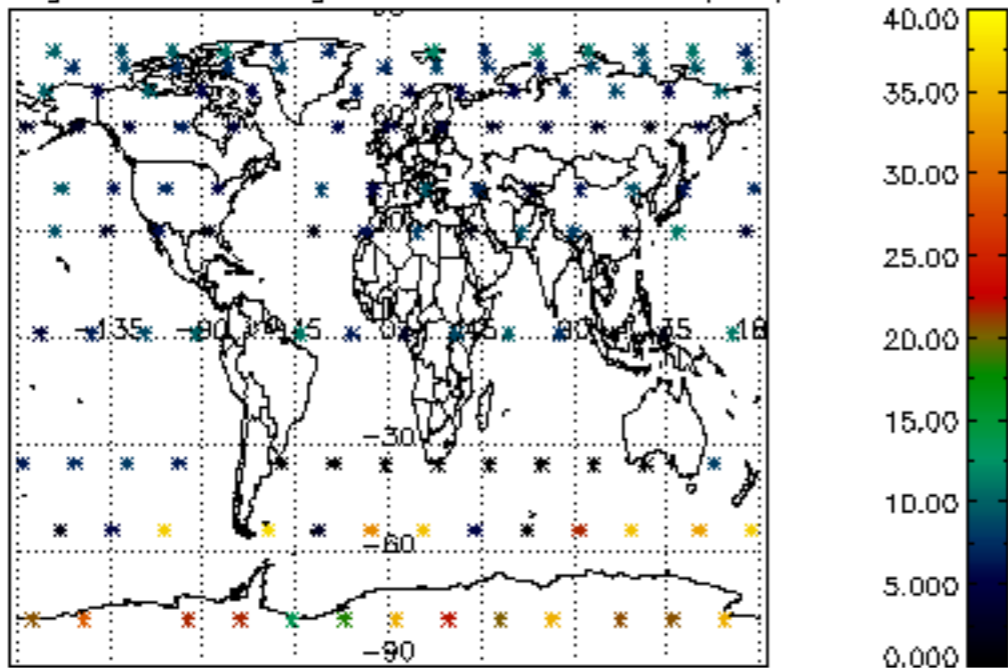
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

