

# 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	25APR2013 08:59:23
Data source version	GOMOS/6.01
Start time of products	19-01-2008 (19JAN2008 00:00:00)
Stop time of products	20-01-2008 (20JAN2008 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	149
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__2PRFIN20080119_000207_000000362065_00159_30774_9145.N1	19-JAN-2008 00:02:07	Bright	36.000	130	23Bet Dra	2.7990	5800.0	72	30774	No
2	GOM_NL__2PRFIN20080119_000827_000000362065_00159_30774_9146.N1	19-JAN-2008 00:08:27	Bright	36.000	133	40Zet Her	2.8070	6000.0	72	30774	No
3	GOM_NL__2PRFIN20080119_001317_000000342065_00159_30774_9147.N1	19-JAN-2008 00:13:17	Bright	34.000	59	55Alp Oph	2.0800	8900.0	68	30774	No
4	GOM_NL__2PRFIN20080119_001524_000000332065_00159_30774_9148.N1	19-JAN-2008 00:15:24	Bright	33.000	126	60Bet Oph	2.7700	4250.0	66	30774	No
5	GOM_NL__2PRFIN20080119_002043_000000542065_00159_30774_9149.N1	19-JAN-2008 00:20:43	Bright	53.500	98	13Zet Oph	2.5710	30000.	107	30774	No
6	GOM_NL__2PRFIN20080119_002512_000000532065_00159_30774_9150.N1	19-JAN-2008 00:25:12	Twilight	53.000	16	21Alp Sco	1.0200	3000.0	106	30774	No
7	GOM_NL__2PRFIN20080119_002648_000000432065_00159_30774_9151.N1	19-JAN-2008 00:26:48	Twilight	43.000	75	26Eps Sco	2.2910	4250.0	86	30774	No
8	GOM_NL__2PRFIN20080119_003224_000000412065_00159_30774_9152.N1	19-JAN-2008 00:32:24	Dark	40.500	109	Bet Lup	2.6770	26000.	81	30774	No
9	GOM_NL__2PRFIN20080119_003354_000000422065_00159_30774_9153.N1	19-JAN-2008 00:33:54	Dark	41.500	78	Alp Lup	2.3040	28000.	83	30774	No
10	GOM_NL__2PRFIN20080119_003620_000000452065_00160_30775_9172.N1	19-JAN-2008 00:36:20	Dark	44.500	4	Alp1Cen	-0.010000	5800.0	89	30775	No
11	GOM_NL__2PRFIN20080119_004115_000000392065_00160_30775_9173.N1	19-JAN-2008 00:41:15	Dark	38.500	129	Del Cru	2.7930	26000.	77	30775	No
12	GOM_NL__2PRFIN20080119_004513_000000382065_00160_30775_9174.N1	19-JAN-2008 00:45:13	Dark	38.000	29	Bet Car	1.6720	10200.	76	30775	No
13	GOM_NL__2PRFIN20080119_004714_000000442065_00160_30775_9175.N1	19-JAN-2008 00:47:14	Dark	44.000	71	lot Car	2.2460	7700.0	88	30775	No
14	GOM_NL__2PRFIN20080119_004905_000000402065_00160_30775_9176.N1	19-JAN-2008 00:49:05	Dark	40.000	46	Del Vel	1.9540	10600.	80	30775	No
15	GOM_NL__2PRFIN20080119_005146_000000402065_00160_30775_9177.N1	19-JAN-2008 00:51:46	Dark	40.000	34	Gam2Vel	1.7930	23000.	80	30775	No
16	GOM_NL__2PRFIN20080119_005354_000000412065_00160_30775_9178.N1	19-JAN-2008 00:53:54	Dark	40.500	70	Zet Pup	2.2460	39000.	81	30775	No
17	GOM_NL__2PRFIN20080119_005530_000000422065_00160_30775_9179.N1	19-JAN-2008 00:55:30	Straylight	41.500	117	Pi Pup	2.7060	3800.0	83	30775	No
18	GOM_NL__2PRFIN20080119_005802_000000442065_00160_30775_9180.N1	19-JAN-2008 00:58:02	Straylight	43.500	23	21Eps CMa	1.5020	26000.	87	30775	No
19	GOM_NL__2PRFIN20080119_005926_000000392065_00160_30775_9181.N1	19-JAN-2008 00:59:26	Straylight	39.000	179	24Omi2CMa	3.0320	24000.	78	30775	No
20	GOM_NL__2PRFIN20080119_010138_000000462065_00160_30775_9182.N1	19-JAN-2008 01:01:38	Straylight	45.500	1	9Alp CMa	-1.4400	11000.	91	30775	No
21	GOM_NL__2PRFIN20080119_010409_000000412065_00160_30775_9183.N1	19-JAN-2008 01:04:09	Straylight	41.000	56	53Kap Ori	2.0650	30000.	82	30775	No
22	GOM_NL__2PRFIN20080119_010621_000000402065_00160_30775_9184.N1	19-JAN-2008 01:06:21	Twilight_and_stray	39.500	33	50Zet Ori	1.7660	30000.	79	30775	No
23	GOM_NL__2PRFIN20080119_010847_000000472065_00160_30775_9185.N1	19-JAN-2008 01:08:47	Twilight_and_stray	46.500	14	58Alp Ori	0.87000	3000.0	93	30775	No
24	GOM_NL__2PRFIN20080119_011110_000000502065_00160_30775_9186.N1	19-JAN-2008 01:11:10	Bright	49.500	44	24Gam Gem	1.9280	11000.	99	30775	No
25	GOM_NL__2PRFIN20080119_011254_000000412065_00160_30775_9187.N1	19-JAN-2008 01:12:54	Bright	40.500	151	13Mu Gem	2.8900	3000.0	81	30775	No
26	GOM_NL__2PRFIN20080119_011455_000000372065_00160_30775_9188.N1	19-JAN-2008 01:14:55	Bright	37.000	28	12Bet Tau	1.6500	15200.	74	30775	No
27	GOM_NL__2PRFIN20080119_011704_000000372065_00160_30775_9189.N1	19-JAN-2008 01:17:04	Bright	37.000	107	37The Aur	2.6490	11000.	74	30775	No
28	GOM_NL__2PRFIN20080119_011915_000000362065_00160_30775_9190.N1	19-JAN-2008 01:19:15	Bright	36.000	42	34Bet Aur	1.9000	10200.	72	30775	No
29	GOM_NL__2PRFIN20080119_013148_000000352065_00160_30775_9191.N1	19-JAN-2008 01:31:48	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	30775	No
30	GOM_NL__2PRFIN20080119_014003_000000372065_00160_30775_9192.N1	19-JAN-2008 01:40:03	Bright	36.500	119	14Eta Dra	2.7270	4700.0	73	30775	No
31	GOM_NL__2PRFIN20080119_014243_000000522065_00160_30775_9193.N1	19-JAN-2008 01:42:43	Bright	52.000	130	23Bet Dra	2.7990	5800.0	104	30775	No
32	GOM_NL__2PRFIN20080119_014903_000000552065_00160_30775_9194.N1	19-JAN-2008 01:49:03	Bright	55.000	133	40Zet Her	2.8070	6000.0	110	30775	No
33	GOM_NL__2PRFIN20080119_015354_000000332065_00160_30775_9195.N1	19-JAN-2008 01:53:54	Bright	33.000	59	55Alp Oph	2.0800	8900.0	66	30775	No
34	GOM_NL__2PRFIN20080119_015600_000000332065_00160_30775_9196.N1	19-JAN-2008 01:56:00	Bright	32.500	126	60Bet Oph	2.7700	4250.0	65	30775	No
35	GOM_NL__2PRFIN20080119_020120_000000542065_00160_30775_9197.N1	19-JAN-2008 02:01:20	Bright	54.000	98	13Zet Oph	2.5710	30000.	108	30775	No
36	GOM_NL__2PRFIN20080119_020548_000000512065_00160_30775_9198.N1	19-JAN-2008 02:05:48	Twilight	51.000	16	21Alp Sco	1.0200	3000.0	102	30775	No
37	GOM_NL__2PRFIN20080119_020725_000000442065_00160_30775_9199.N1	19-JAN-2008 02:07:25	Twilight	43.500	75	26Eps Sco	2.2910	4250.0	87	30775	No
38	GOM_NL__2PRFIN20080119_021301_000000412065_00160_30775_9200.N1	19-JAN-2008 02:13:01	Dark	40.500	109	Bet Lup	2.6770	26000.	81	30775	No
39	GOM_NL__2PRFIN20080119_021431_000000432065_00160_30775_9201.N1	19-JAN-2008 02:14:31	Dark	43.000	78	Alp Lup	2.3040	28000.	86	30775	No
40	GOM_NL__2PRFIN20080119_021656_000000412065_00161_30776_9189.N1	19-JAN-2008 02:16:56	Dark	41.000	4	Alp1Cen	-0.010000	5800.0	82	30776	No
41	GOM_NL__2PRFIN20080119_022151_000000402065_00161_30776_9190.N1	19-JAN-2008 02:21:51	Dark	40.000	129	Del Cru	2.7930	26000.	80	30776	No
42	GOM_NL__2PRFIN20080119_022550_000000382065_00161_30776_9191.N1	19-JAN-2008 02:25:50	Dark	38.000	29	Bet Car	1.6720	10200.	76	30776	No

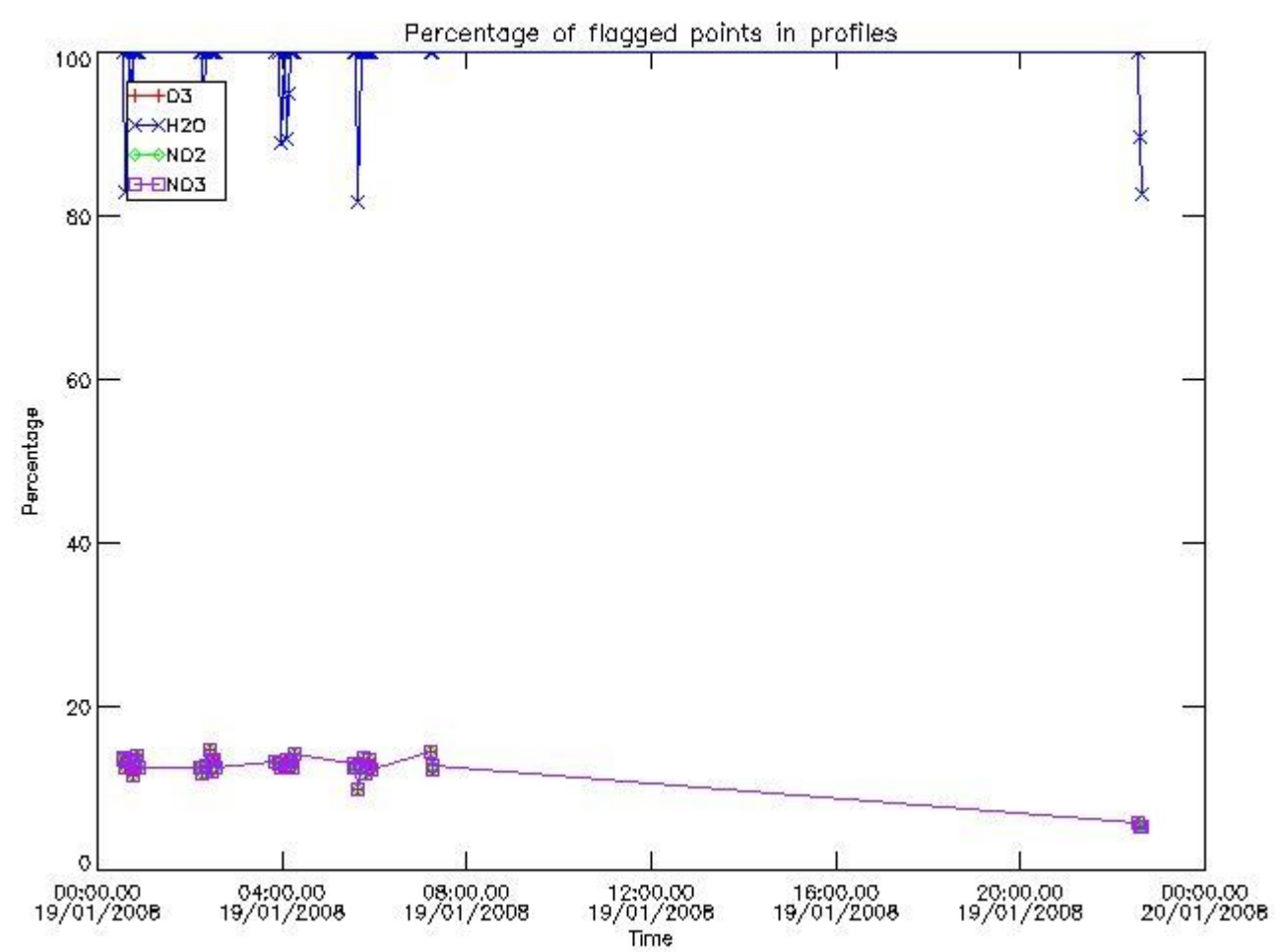
43	GOM_NL__2PRFIN20080119_022751_000000382065_00161_30776_9192.N1	19-JAN-2008 02:27:51	Dark	38.000	71	lot Car	2.2460	7700.0	76	30776	No
44	GOM_NL__2PRFIN20080119_022942_000000422065_00161_30776_9193.N1	19-JAN-2008 02:29:42	Dark	42.000	46	Del Vel	1.9540	10600.	84	30776	No
45	GOM_NL__2PRFIN20080119_023222_000000422065_00161_30776_9194.N1	19-JAN-2008 02:32:22	Dark	41.500	34	Gam2Vel	1.7930	23000.	83	30776	No
46	GOM_NL__2PRFIN20080119_023430_000000412065_00161_30776_9195.N1	19-JAN-2008 02:34:30	Dark	40.500	70	Zet Pup	2.2460	39000.	81	30776	No
47	GOM_NL__2PRFIN20080119_023607_000000462065_00161_30776_9196.N1	19-JAN-2008 02:36:07	Straylight	45.500	117	Pi Pup	2.7060	3800.0	91	30776	No
48	GOM_NL__2PRFIN20080119_023838_000000432065_00161_30776_9197.N1	19-JAN-2008 02:38:38	Straylight	43.000	23	21Eps CMa	1.5020	26000.	86	30776	No
49	GOM_NL__2PRFIN20080119_024002_000000402065_00161_30776_9198.N1	19-JAN-2008 02:40:02	Straylight	39.500	179	24Omi2CMa	3.0320	24000.	79	30776	No
50	GOM_NL__2PRFIN20080119_024214_000000462065_00161_30776_9199.N1	19-JAN-2008 02:42:14	Straylight	46.000	1	9Alp CMa	-1.4400	11000.	92	30776	No
51	GOM_NL__2PRFIN20080119_024445_000000412065_00161_30776_9200.N1	19-JAN-2008 02:44:45	Straylight	40.500	56	53Kap Ori	2.0650	30000.	81	30776	No
52	GOM_NL__2PRFIN20080119_024658_000000412065_00161_30776_9201.N1	19-JAN-2008 02:46:58	Tw_i_and_stray	41.000	33	50Zet Ori	1.7660	30000.	82	30776	No
53	GOM_NL__2PRFIN20080119_024923_000000522065_00161_30776_9202.N1	19-JAN-2008 02:49:23	Tw_i_and_stray	52.000	14	58Alp Ori	0.87000	3000.0	104	30776	No
54	GOM_NL__2PRFIN20080119_025146_000000382065_00161_30776_9203.N1	19-JAN-2008 02:51:46	Bright	37.500	44	24Gam Gem	1.9280	11000.	75	30776	No
55	GOM_NL__2PRFIN20080119_025330_000000472065_00161_30776_9204.N1	19-JAN-2008 02:53:30	Bright	46.500	151	13Mu Gem	2.8900	3000.0	93	30776	No
56	GOM_NL__2PRFIN20080119_025531_000000372065_00161_30776_9205.N1	19-JAN-2008 02:55:31	Bright	37.000	28	12Bet Tau	1.6500	15200.	74	30776	No
57	GOM_NL__2PRFIN20080119_025740_000000352065_00161_30776_9206.N1	19-JAN-2008 02:57:40	Bright	35.000	107	37The Aur	2.6490	11000.	70	30776	No
58	GOM_NL__2PRFIN20080119_025950_000000362065_00161_30776_9207.N1	19-JAN-2008 02:59:50	Bright	36.000	42	34Bet Aur	1.9000	10200.	72	30776	No
59	GOM_NL__2PRFIN20080119_031224_000000352065_00161_30776_9208.N1	19-JAN-2008 03:12:24	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	30776	No
60	GOM_NL__2PRFIN20080119_032038_000000392065_00161_30776_9209.N1	19-JAN-2008 03:20:38	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	30776	No
61	GOM_NL__2PRFIN20080119_032319_000000412065_00161_30776_9210.N1	19-JAN-2008 03:23:19	Bright	40.500	130	23Bet Dra	2.7990	5800.0	81	30776	No
62	GOM_NL__2PRFIN20080119_032939_000000552065_00161_30776_9211.N1	19-JAN-2008 03:29:39	Bright	55.000	133	40Zet Her	2.8070	6000.0	110	30776	No
63	GOM_NL__2PRFIN20080119_033430_000000342065_00161_30776_9212.N1	19-JAN-2008 03:34:30	Bright	33.500	59	55Alp Oph	2.0800	8900.0	67	30776	No
64	GOM_NL__2PRFIN20080119_033636_000000332065_00161_30776_9213.N1	19-JAN-2008 03:36:36	Bright	33.000	126	60Bet Oph	2.7700	4250.0	66	30776	No
65	GOM_NL__2PRFIN20080119_034156_000000392065_00161_30776_9214.N1	19-JAN-2008 03:41:56	Bright	38.500	98	13Zet Oph	2.5710	30000.	77	30776	No
66	GOM_NL__2PRFIN20080119_034625_000000542065_00161_30776_9215.N1	19-JAN-2008 03:46:25	Twilight	54.000	16	21Alp Sco	1.0200	3000.0	108	30776	No
67	GOM_NL__2PRFIN20080119_034801_000000412065_00161_30776_9216.N1	19-JAN-2008 03:48:01	Twilight	41.000	75	26Eps Sco	2.2910	4250.0	82	30776	No
68	GOM_NL__2PRFIN20080119_035146_000000392065_00161_30776_9217.N1	19-JAN-2008 03:51:46	Dark	38.500	131	Gam Lup	2.8000	26000.	77	30776	No
69	GOM_NL__2PRFIN20080119_035508_000000402065_00161_30776_9218.N1	19-JAN-2008 03:55:08	Dark	39.500	78	Alp Lup	2.3040	28000.	79	30776	No
70	GOM_NL__2PRFIN20080119_035733_000000412065_00162_30777_9200.N1	19-JAN-2008 03:57:33	Dark	41.000	4	Alp1Cen	-0.010000	5800.0	82	30777	No
71	GOM_NL__2PRFIN20080119_040228_000000412065_00162_30777_9201.N1	19-JAN-2008 04:02:28	Dark	40.500	129	Del Cru	2.7930	26000.	81	30777	No
72	GOM_NL__2PRFIN20080119_040626_000000382065_00162_30777_9202.N1	19-JAN-2008 04:06:26	Dark	38.000	29	Bet Car	1.6720	10200.	76	30777	No
73	GOM_NL__2PRFIN20080119_040827_000000412065_00162_30777_9203.N1	19-JAN-2008 04:08:27	Dark	40.500	71	lot Car	2.2460	7700.0	81	30777	No
74	GOM_NL__2PRFIN20080119_041018_000000392065_00162_30777_9204.N1	19-JAN-2008 04:10:18	Dark	38.500	46	Del Vel	1.9540	10600.	77	30777	No
75	GOM_NL__2PRFIN20080119_041259_000000412065_00162_30777_9205.N1	19-JAN-2008 04:12:59	Dark	40.500	34	Gam2Vel	1.7930	23000.	81	30777	No
76	GOM_NL__2PRFIN20080119_041507_000000402065_00162_30777_9206.N1	19-JAN-2008 04:15:07	Dark	39.500	70	Zet Pup	2.2460	39000.	79	30777	No
77	GOM_NL__2PRFIN20080119_041643_000000442065_00162_30777_9207.N1	19-JAN-2008 04:16:43	Straylight	43.500	117	Pi Pup	2.7060	3800.0	87	30777	No
78	GOM_NL__2PRFIN20080119_041914_000000432065_00162_30777_9208.N1	19-JAN-2008 04:19:14	Straylight	43.000	23	21Eps CMa	1.5020	26000.	86	30777	No
79	GOM_NL__2PRFIN20080119_042038_000000392065_00162_30777_9209.N1	19-JAN-2008 04:20:38	Straylight	38.500	179	24Omi2CMa	3.0320	24000.	77	30777	No
80	GOM_NL__2PRFIN20080119_042250_000000512065_00162_30777_9210.N1	19-JAN-2008 04:22:50	Straylight	50.500	1	9Alp CMa	-1.4400	11000.	101	30777	No
81	GOM_NL__2PRFIN20080119_042521_000000412065_00162_30777_9211.N1	19-JAN-2008 04:25:21	Straylight	41.000	56	53Kap Ori	2.0650	30000.	82	30777	No
82	GOM_NL__2PRFIN20080119_042739_000000352065_00162_30777_9212.N1	19-JAN-2008 04:27:39	Tw_i_and_stray	35.000	33	50Zet Ori	1.7660	30000.	70	30777	No
83	GOM_NL__2PRFIN20080119_043000_000000492065_00162_30777_9213.N1	19-JAN-2008 04:30:00	Tw_i_and_stray	48.500	14	58Alp Ori	0.87000	3000.0	97	30777	No
84	GOM_NL__2PRFIN20080119_043222_000000392065_00162_30777_9214.N1	19-JAN-2008 04:32:22	Bright	38.500	44	24Gam Gem	1.9280	11000.	77	30777	No
85	GOM_NL__2PRFIN20080119_043406_000000362065_00162_30777_9215.N1	19-JAN-2008 04:34:06	Bright	36.000	151	13Mu Gem	2.8900	3000.0	72	30777	No
86	GOM_NL__2PRFIN20080119_043608_000000372065_00162_30777_9216.N1	19-JAN-2008 04:36:08	Bright	36.500	28	12Bet Tau	1.6500	15200.	73	30777	No
87	GOM_NL__2PRFIN20080119_043816_000000362065_00162_30777_9217.N1	19-JAN-2008 04:38:16	Bright	36.000	107	37The Aur	2.6490	11000.	72	30777	No
88	GOM_NL__2PRFIN20080119_044027_000000362065_00162_30777_9218.N1	19-JAN-2008 04:40:27	Bright	36.000	42	34Bet Aur	1.9000	10200.	72	30777	No
89	GOM_NL__2PRFIN20080119_045300_000000372065_00162_30777_9219.N1	19-JAN-2008 04:53:00	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	30777	No
90	GOM_NL__2PRFIN20080119_050114_000000382065_00162_30777_9220.N1	19-JAN-2008 05:01:14	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	30777	No
91	GOM_NL__2PRFIN20080119_050356_000000362065_00162_30777_9221.N1	19-JAN-2008 05:03:56	Bright	36.000	130	23Bet Dra	2.7990	5800.0	72	30777	No
92	GOM_NL__2PRFIN20080119_051015_000000552065_00162_30777_9222.N1	19-JAN-2008 05:10:15	Bright	55.000	133	40Zet Her	2.8070	6000.0	110	30777	No
93	GOM_NL__2PRFIN20080119_051506_000000342065_00162_30777_9223.N1	19-JAN-2008 05:15:06	Bright	33.500	59	55Alp Oph	2.0800	8900.0	67	30777	No
94	GOM_NL__2PRFIN20080119_051713_000000342065_00162_30777_9224.N1	19-JAN-2008 05:17:13	Bright	33.500	126	60Bet Oph	2.7700	4250.0	67	30777	No
95	GOM_NL__2PRFIN20080119_052233_000000442065_00162_30777_9225.N1	19-JAN-2008 05:22:33	Bright	43.500	98	13Zet Oph	2.5710	30000.	87	30777	No
96	GOM_NL__2PRFIN20080119_052701_000000452065_00162_30777_9226.N1	19-JAN-2008 05:27:01	Twilight	45.000	16	21Alp Sco	1.0200	3000.0	90	30777	No
97	GOM_NL__2PRFIN20080119_052837_000000392065_00162_30777_9227.N1	19-JAN-2008 05:28:37	Twilight	38.500	75	26Eps Sco	2.2910	4250.0	77	30777	No
98	GOM_NL__2PRFIN20080119_053223_000000402065_00162_30777_9228.N1	19-JAN-2008 05:32:23	Dark	39.500	131	Gam Lup	2.8000	26000.	79	30777	No
99	GOM_NL__2PRFIN20080119_053414_000000412065_00162_30777_9229.N1	19-JAN-2008 05:34:14	Dark	40.500	109	Bet Lup	2.6770	26000.	81	30777	No
100	GOM_NL__2PRFIN20080119_053544_000000412065_00162_30777_9230.N1	19-JAN-2008 05:35:44	Dark	40.500	78	Alp Lup	2.3040	28000.	81	30777	No
101	GOM_NL__2PRFIN20080119_053809_000000522065_00163_30778_9213.N1	19-JAN-2008 05:38:09	Dark	52.000	4	Alp1Cen	-0.010000	5800.0	104	30778	No

102	GOM_NL__2PRFIN20080119_054305_000000402065_00163_30778_9214.N1	19-JAN-2008 05:43:05	Dark	40.000	129	Del Cru	2.7930	26000.	80	30778	No
103	GOM_NL__2PRFIN20080119_054702_000000372065_00163_30778_9215.N1	19-JAN-2008 05:47:02	Dark	37.000	29	Bet Car	1.6720	10200.	74	30778	No
104	GOM_NL__2PRFIN20080119_054904_000000432065_00163_30778_9216.N1	19-JAN-2008 05:49:04	Dark	43.000	71	lot Car	2.2460	7700.0	86	30778	No
105	GOM_NL__2PRFIN20080119_055055_000000412065_00163_30778_9217.N1	19-JAN-2008 05:50:55	Dark	40.500	46	Del Vel	1.9540	10600.	81	30778	No
106	GOM_NL__2PRFIN20080119_055335_000000382065_00163_30778_9218.N1	19-JAN-2008 05:53:35	Dark	38.000	34	Gam2Vel	1.7930	23000.	76	30778	No
107	GOM_NL__2PRFIN20080119_055543_000000422065_00163_30778_9219.N1	19-JAN-2008 05:55:43	Dark	41.500	70	Zet Pup	2.2460	39000.	83	30778	No
108	GOM_NL__2PRFIN20080119_055719_000000442065_00163_30778_9220.N1	19-JAN-2008 05:57:19	Straylight	43.500	117	Pi Pup	2.7060	3800.0	87	30778	No
109	GOM_NL__2PRFIN20080119_055950_000000402065_00163_30778_9221.N1	19-JAN-2008 05:59:50	Straylight	39.500	23	21Eps CMa	1.5020	26000.	79	30778	No
110	GOM_NL__2PRFIN20080119_060115_000000392065_00163_30778_9222.N1	19-JAN-2008 06:01:15	Straylight	38.500	179	24Omi2CMa	3.0320	24000.	77	30778	No
111	GOM_NL__2PRFIN20080119_060326_000000462065_00163_30778_9223.N1	19-JAN-2008 06:03:26	Straylight	45.500	1	9Alp CMa	-1.4400	11000.	91	30778	No
112	GOM_NL__2PRFIN20080119_060557_000000382065_00163_30778_9224.N1	19-JAN-2008 06:05:57	Straylight	37.500	56	53Kap Ori	2.0650	30000.	75	30778	No
113	GOM_NL__2PRFIN20080119_061036_000000452065_00163_30778_9225.N1	19-JAN-2008 06:10:36	Twilight_stray	45.000	14	58Alp Ori	0.87000	3000.0	90	30778	No
114	GOM_NL__2PRFIN20080119_061258_000000392065_00163_30778_9226.N1	19-JAN-2008 06:12:58	Bright	38.500	44	24Gam Gem	1.9280	11000.	77	30778	No
115	GOM_NL__2PRFIN20080119_061442_000000522065_00163_30778_9227.N1	19-JAN-2008 06:14:42	Bright	52.000	151	13Mu Gem	2.8900	3000.0	104	30778	No
116	GOM_NL__2PRFIN20080119_061644_000000452065_00163_30778_9228.N1	19-JAN-2008 06:16:44	Bright	45.000	28	12Bet Tau	1.6500	15200.	90	30778	No
117	GOM_NL__2PRFIN20080119_061852_000000342065_00163_30778_9229.N1	19-JAN-2008 06:18:52	Bright	34.000	107	37The Aur	2.6490	11000.	68	30778	No
118	GOM_NL__2PRFIN20080119_062103_000000362065_00163_30778_9230.N1	19-JAN-2008 06:21:03	Bright	35.500	42	34Bet Aur	1.9000	10200.	71	30778	No
119	GOM_NL__2PRFIN20080119_063336_000000362065_00163_30778_9231.N1	19-JAN-2008 06:33:36	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	30778	No
120	GOM_NL__2PRFIN20080119_064150_000000392065_00163_30778_9232.N1	19-JAN-2008 06:41:50	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	30778	No
121	GOM_NL__2PRFIN20080119_064432_000000372065_00163_30778_9233.N1	19-JAN-2008 06:44:32	Bright	36.500	130	23Bet Dra	2.7990	5800.0	73	30778	No
122	GOM_NL__2PRFIN20080119_065051_000000512065_00163_30778_9234.N1	19-JAN-2008 06:50:51	Bright	51.000	133	40Zet Her	2.8070	6000.0	102	30778	No
123	GOM_NL__2PRFIN20080119_065542_000000342065_00163_30778_9235.N1	19-JAN-2008 06:55:42	Bright	33.500	59	55Alp Oph	2.0800	8900.0	67	30778	No
124	GOM_NL__2PRFIN20080119_065749_000000342065_00163_30778_9236.N1	19-JAN-2008 06:57:49	Bright	33.500	126	60Bet Oph	2.7700	4250.0	67	30778	No
125	GOM_NL__2PRFIN20080119_070309_000000542065_00163_30778_9237.N1	19-JAN-2008 07:03:09	Bright	54.000	98	13Zet Oph	2.5710	30000.	108	30778	No
126	GOM_NL__2PRFIN20080119_070737_000000512065_00163_30778_9238.N1	19-JAN-2008 07:07:37	Twilight	51.000	16	21Alp Sco	1.0200	3000.0	102	30778	No
127	GOM_NL__2PRFIN20080119_070914_000000412065_00163_30778_9239.N1	19-JAN-2008 07:09:14	Twilight	40.500	75	26Eps Sco	2.2910	4250.0	81	30778	No
128	GOM_NL__2PRFIN20080119_071300_000000392065_00163_30778_9240.N1	19-JAN-2008 07:13:00	Dark	38.500	131	Gam Lup	2.8000	26000.	77	30778	No
129	GOM_NL__2PRFIN20080119_071451_000000422065_00163_30778_9241.N1	19-JAN-2008 07:14:51	Dark	41.500	109	Bet Lup	2.6770	26000.	83	30778	No
130	GOM_NL__2PRFIN20080119_071621_000000402065_00163_30778_9242.N1	19-JAN-2008 07:16:21	Dark	39.500	78	Alp Lup	2.3040	28000.	79	30778	No
131	GOM_NL__2PRFIN20080119_223215_000000882065_00173_30788_9366.N1	19-JAN-2008 22:32:15	Dark	87.500	29	Bet Car	1.6720	10200.	175	30788	No
132	GOM_NL__2PRFIN20080119_223526_000000962065_00173_30788_9367.N1	19-JAN-2008 22:35:26	Dark	96.000	41	Eps Car	1.8600	4100.0	192	30788	No
133	GOM_NL__2PRFIN20080119_223853_000000982065_00173_30788_9368.N1	19-JAN-2008 22:38:53	Dark	98.000	2	Alp Car	-0.73600	7000.0	196	30788	No
134	GOM_NL__2PRFIN20080119_224229_000000952065_00173_30788_9369.N1	19-JAN-2008 22:42:29	Straylight	94.500	117	Pi Pup	2.7060	3800.0	189	30788	No
135	GOM_NL__2PRFIN20080119_224500_000000942065_00173_30788_9370.N1	19-JAN-2008 22:45:00	Straylight	94.000	23	21Eps CMa	1.5020	26000.	188	30788	No
136	GOM_NL__2PRFIN20080119_224836_000000972065_00173_30788_9371.N1	19-JAN-2008 22:48:36	Straylight	97.000	1	9Alp CMa	-1.4400	11000.	194	30788	No
137	GOM_NL__2PRFIN20080119_225108_000000912065_00173_30788_9372.N1	19-JAN-2008 22:51:08	Straylight	91.000	56	53Kap Ori	2.0650	30000.	182	30788	No
138	GOM_NL__2PRFIN20080119_225337_000000932065_00173_30788_9373.N1	19-JAN-2008 22:53:37	Twilight_stray	92.500	30	46Eps Ori	1.6940	30000.	185	30788	No
139	GOM_NL__2PRFIN20080119_225547_000001012065_00173_30788_9374.N1	19-JAN-2008 22:55:47	Twilight_stray	100.50	14	58Alp Ori	0.87000	3000.0	201	30788	No
140	GOM_NL__2PRFIN20080119_225805_000000982065_00173_30788_9375.N1	19-JAN-2008 22:58:05	Bright	98.000	44	24Gam Gem	1.9280	11000.	196	30788	No
141	GOM_NL__2PRFIN20080119_230156_000000862065_00173_30788_9376.N1	19-JAN-2008 23:01:56	Bright	85.500	28	12Bet Tau	1.6500	15200.	171	30788	No
142	GOM_NL__2PRFIN20080119_230402_000000842065_00173_30788_9377.N1	19-JAN-2008 23:04:02	Bright	83.500	107	37The Aur	2.6490	11000.	167	30788	No
143	GOM_NL__2PRFIN20080119_231844_000000852065_00173_30788_9378.N1	19-JAN-2008 23:18:44	Bright	85.000	49	1Alp UMi	1.9900	6300.0	170	30788	No
144	GOM_NL__2PRFIN20080119_232940_000001042065_00173_30788_9379.N1	19-JAN-2008 23:29:40	Bright	104.00	130	23Bet Dra	2.7990	5800.0	208	30788	No
145	GOM_NL__2PRFIN20080119_233255_000000852065_00173_30788_9380.N1	19-JAN-2008 23:32:55	Bright	85.000	5	3Alp Lyr	0.033000	11000.	170	30788	No
146	GOM_NL__2PRFIN20080119_234053_000000842065_00173_30788_9381.N1	19-JAN-2008 23:40:53	Bright	84.000	59	55Alp Oph	2.0800	8900.0	168	30788	No
147	GOM_NL__2PRFIN20080119_234300_000000842065_00173_30788_9382.N1	19-JAN-2008 23:43:00	Bright	83.500	126	60Bet Oph	2.7700	4250.0	167	30788	No
148	GOM_NL__2PRFIN20080119_234820_000001082065_00173_30788_9383.N1	19-JAN-2008 23:48:20	Bright	108.00	98	13Zet Oph	2.5710	30000.	216	30788	No
149	GOM_NL__2PRFIN20080119_235249_000000992065_00173_30788_9384.N1	19-JAN-2008 23:52:49	Twilight_stray	98.500	16	21Alp Sco	1.0200	3000.0	197	30788	No

### 3. Quality information per product

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

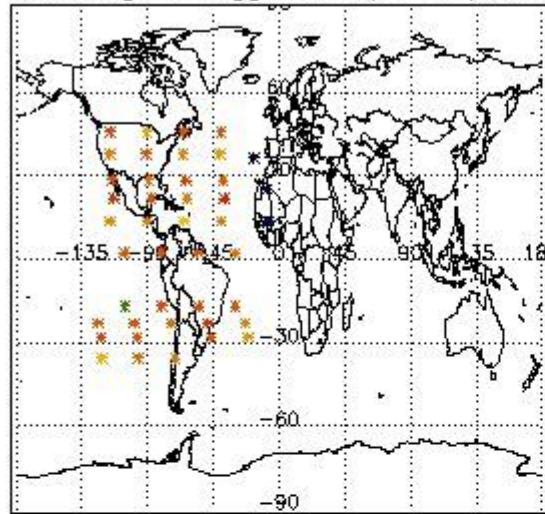
#### 3.1 Plot quality information per product (time dependant)



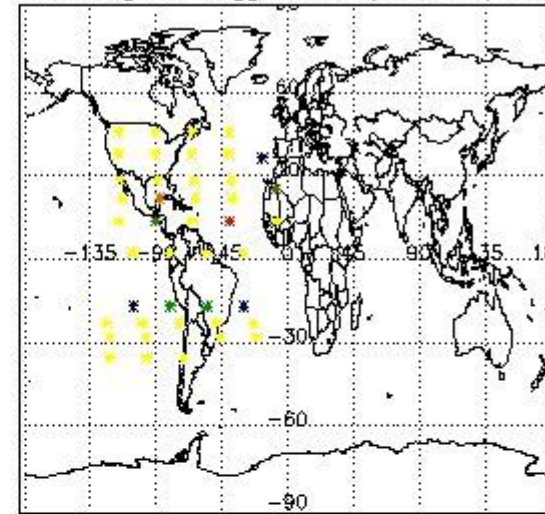
3.2 Plot quality information per product (world map)



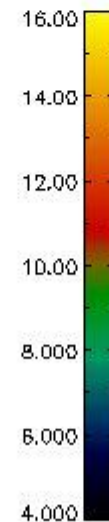
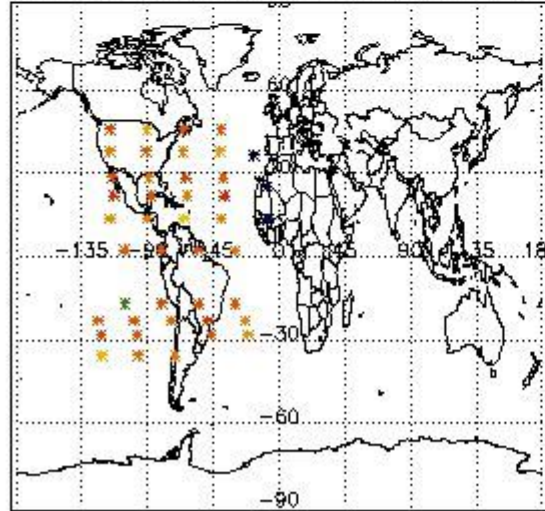
Percentage of flagged data per O3 profile



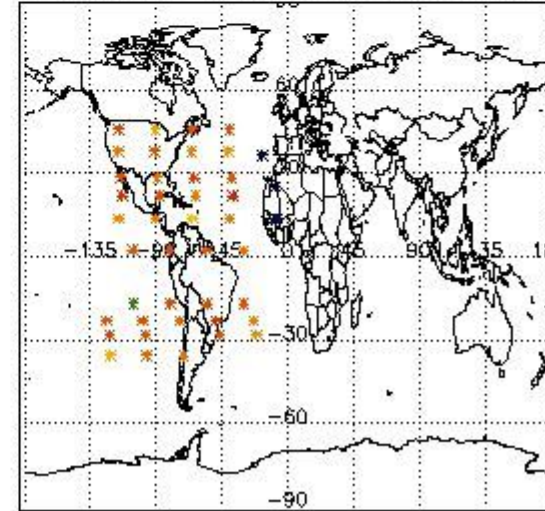
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

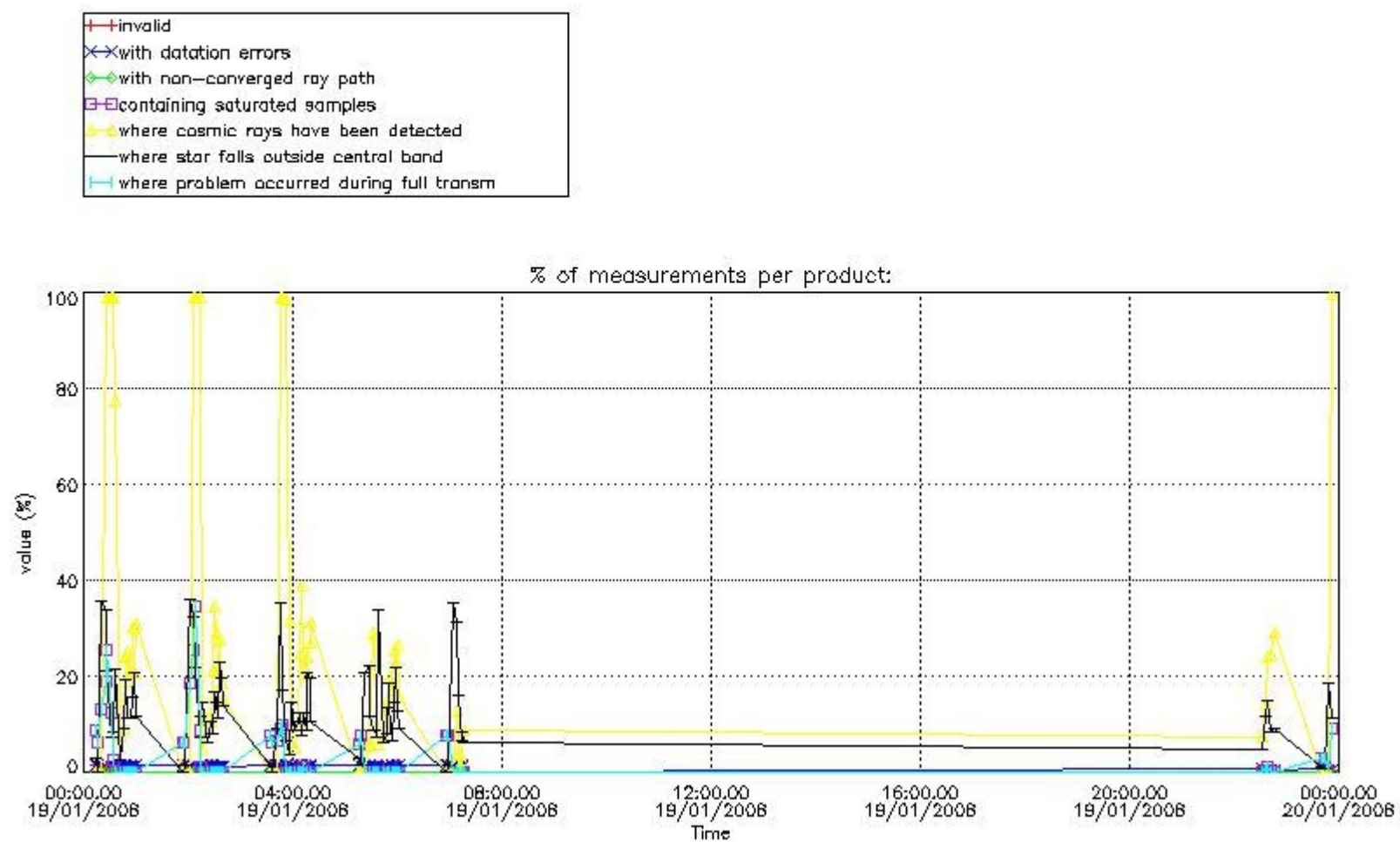


#### 4. Level 1 quality information per product

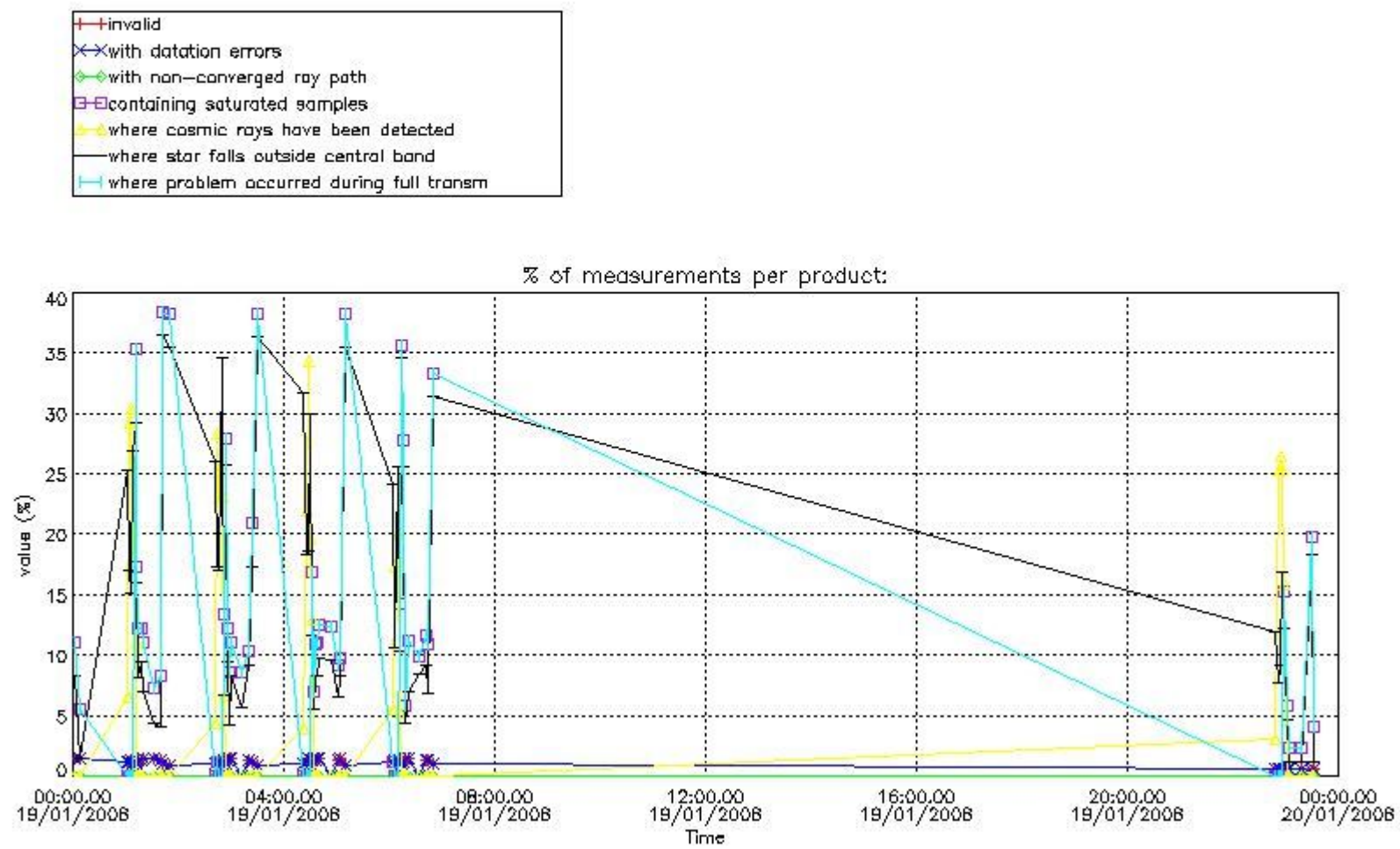
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



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

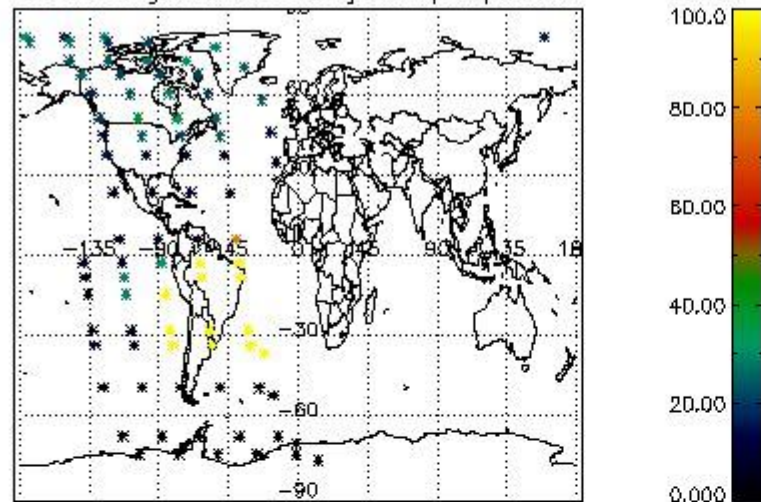


*4.2 Plot quality information per product coming from level 1b processing (world map)*

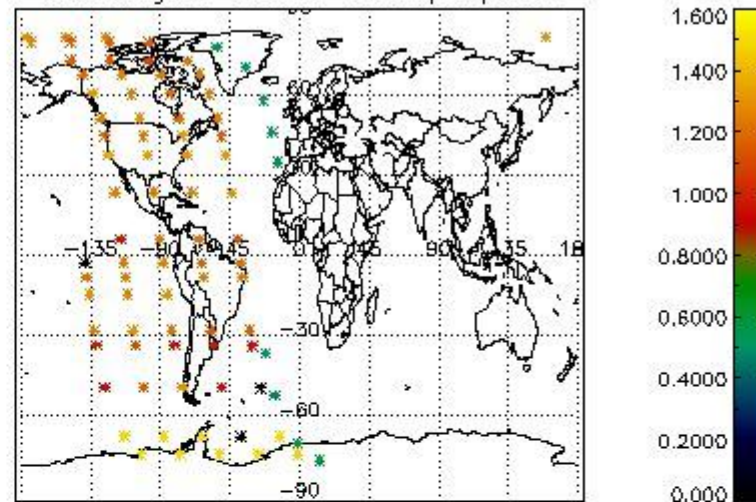
*4.2.1 Plot level 1 quality information per product (world map): ENVISAT ASCENDING passes*



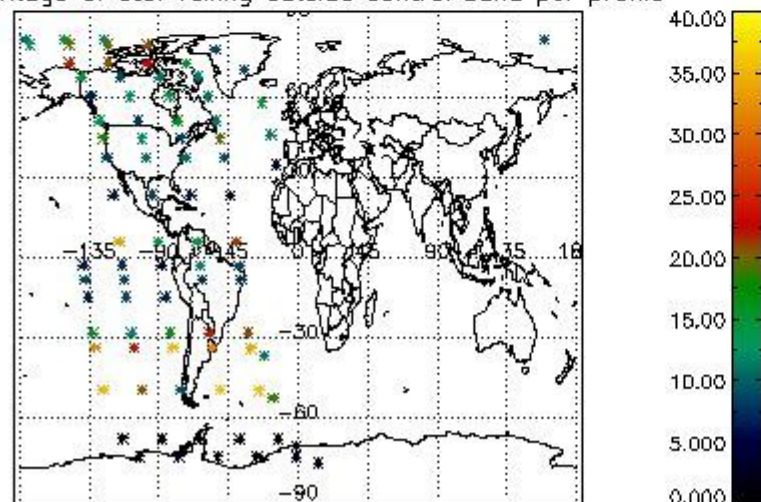
Percentage of cosmic ray hits per profile



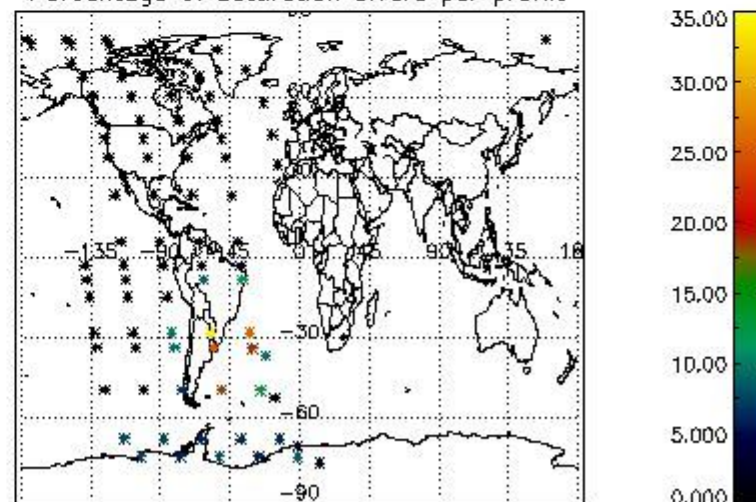
Percentage of datation errors per profile



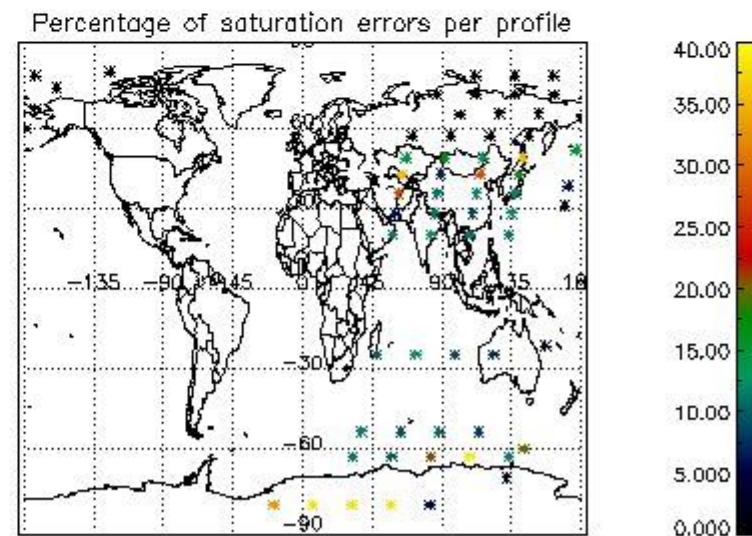
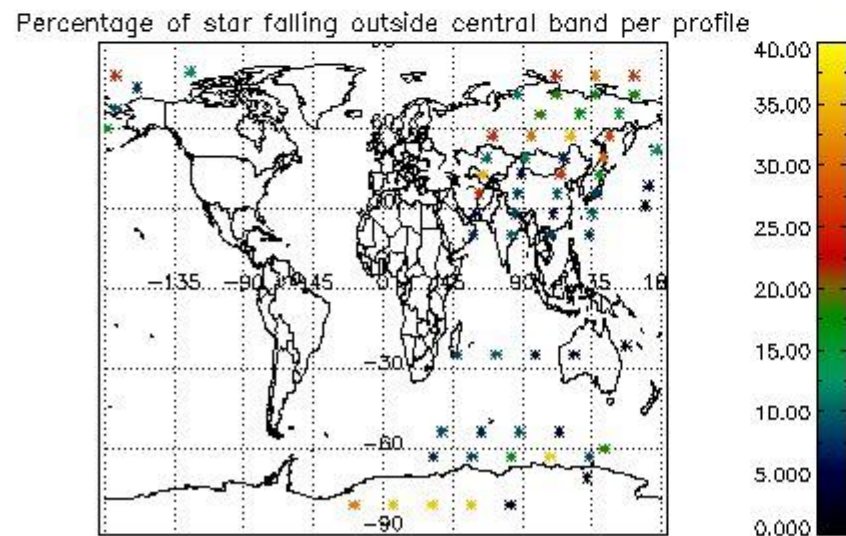
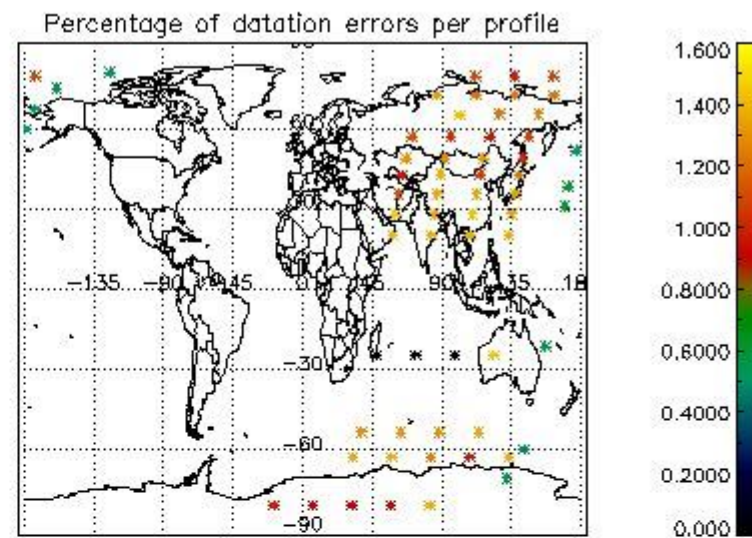
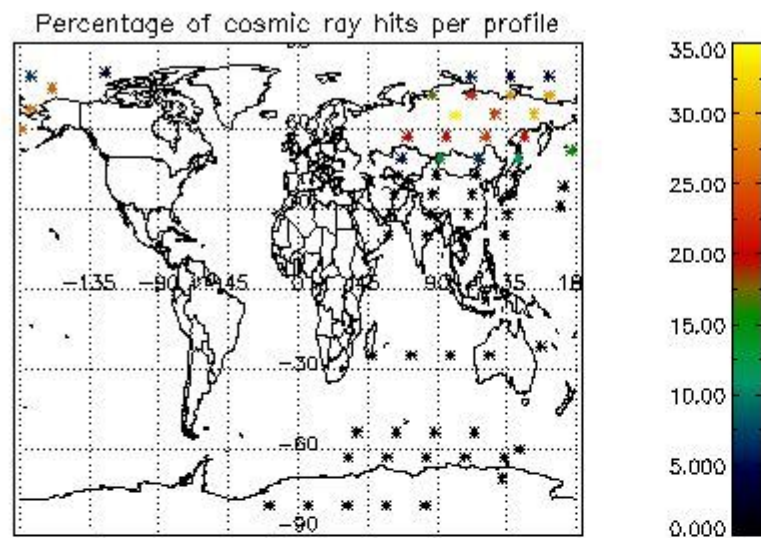
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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



## 5. Trace gas profiles

### 5.1 Ozone statistics based on quality of products

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

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

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

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

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

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

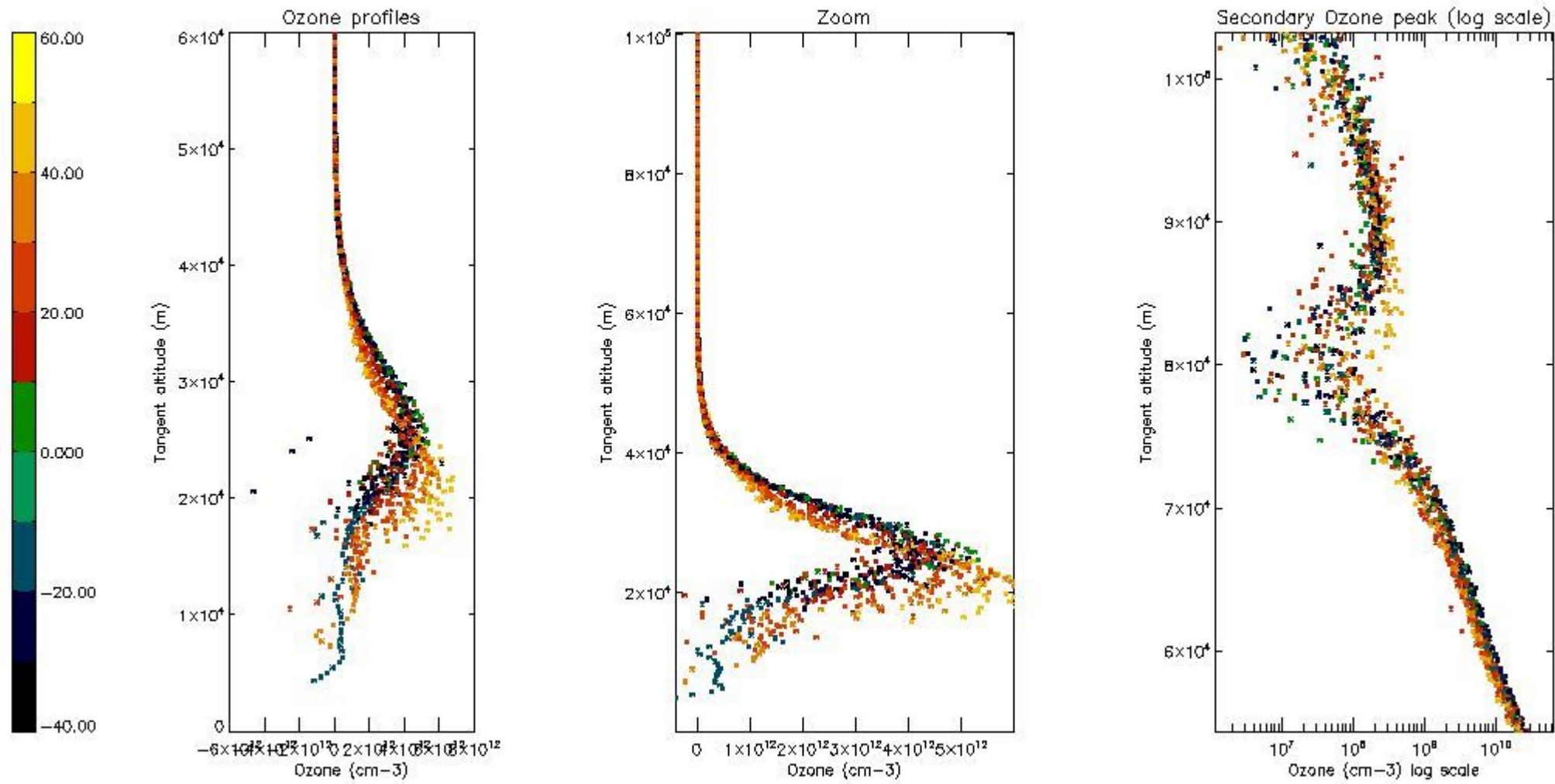
Criteria	% of total production
All STD	27
STD < 20	15



STD < 10	13
STD < 5	9

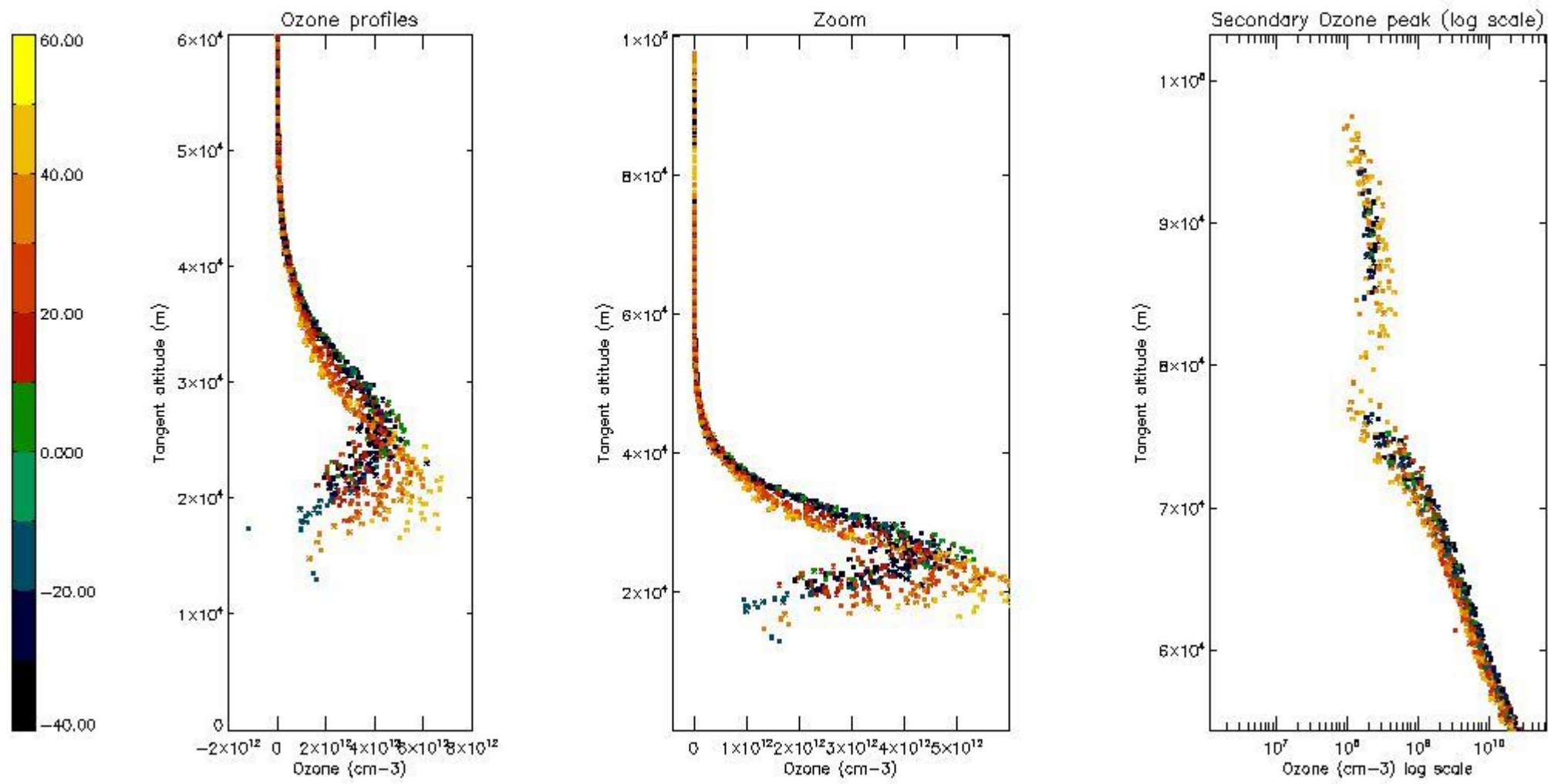
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

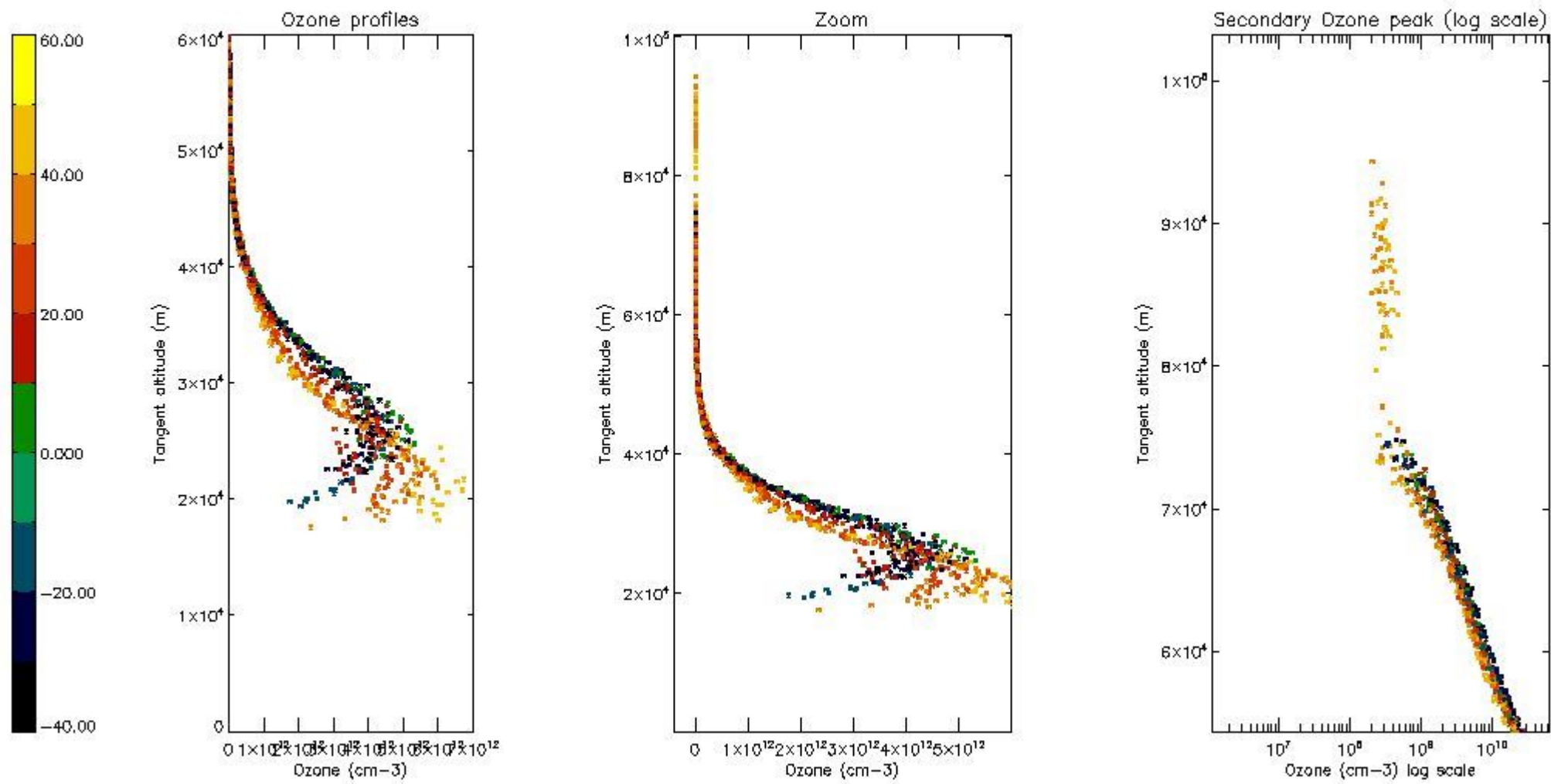
The colorbar represents the latitude.



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

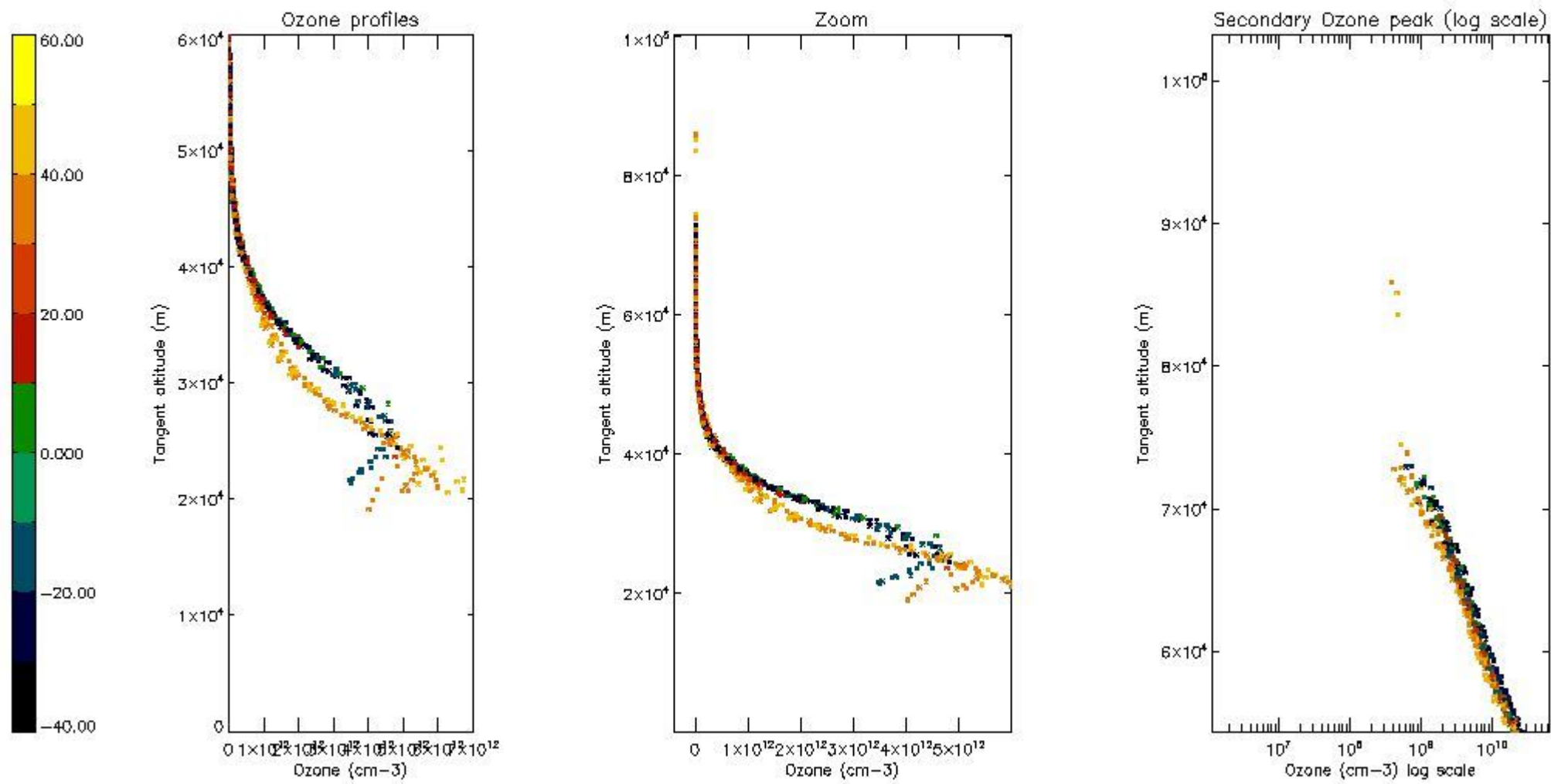
The colorbar represents the latitude.





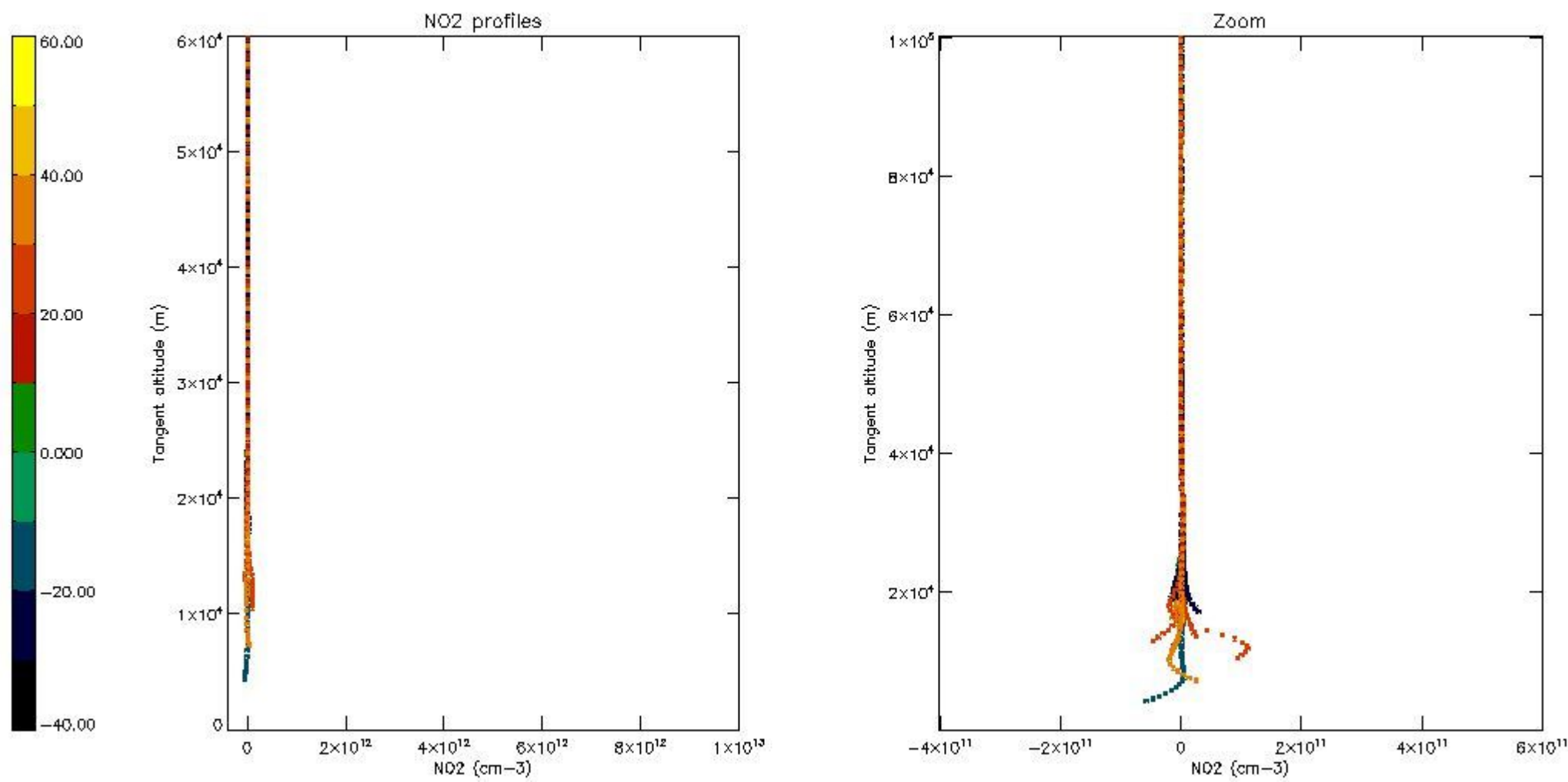
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



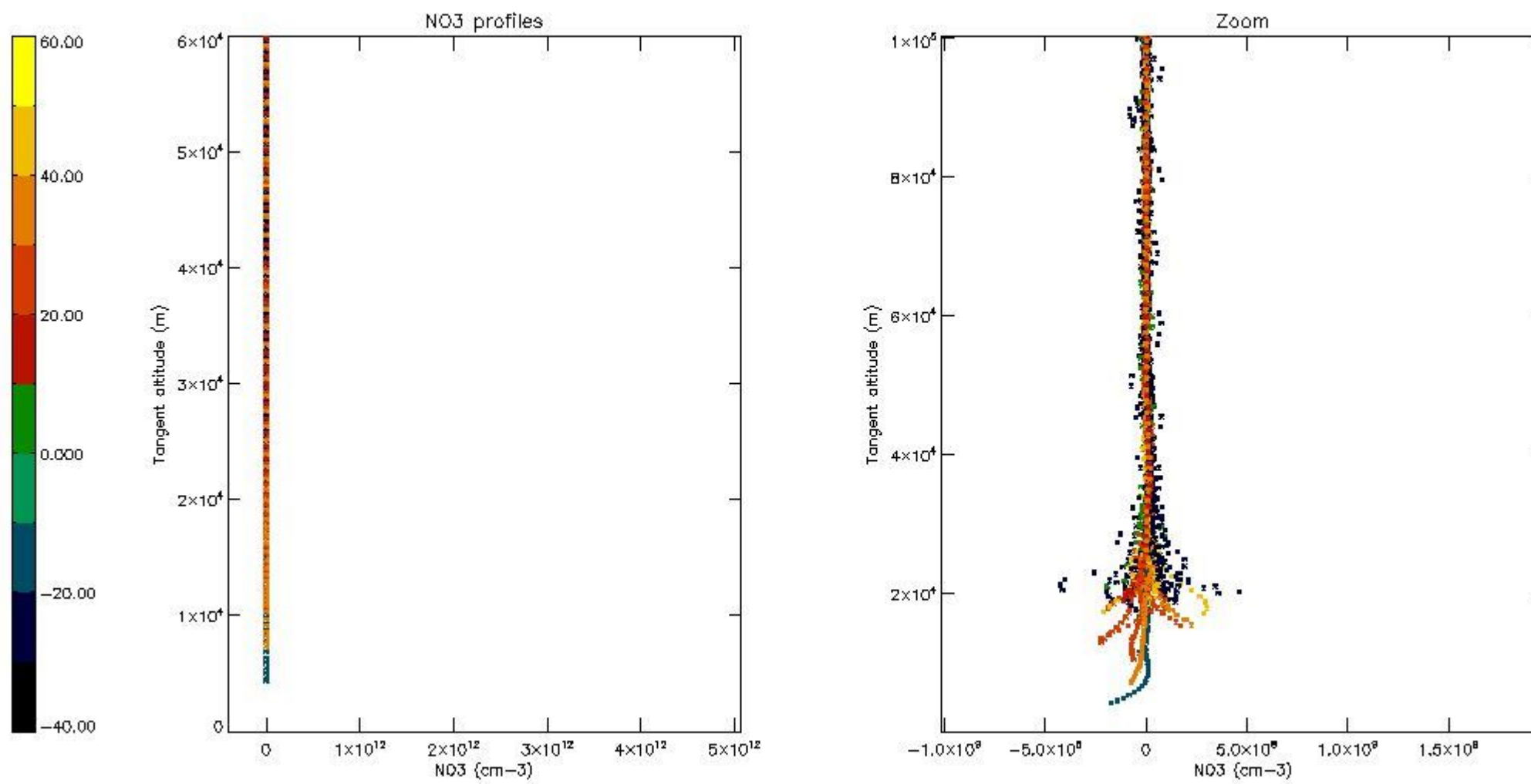
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



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

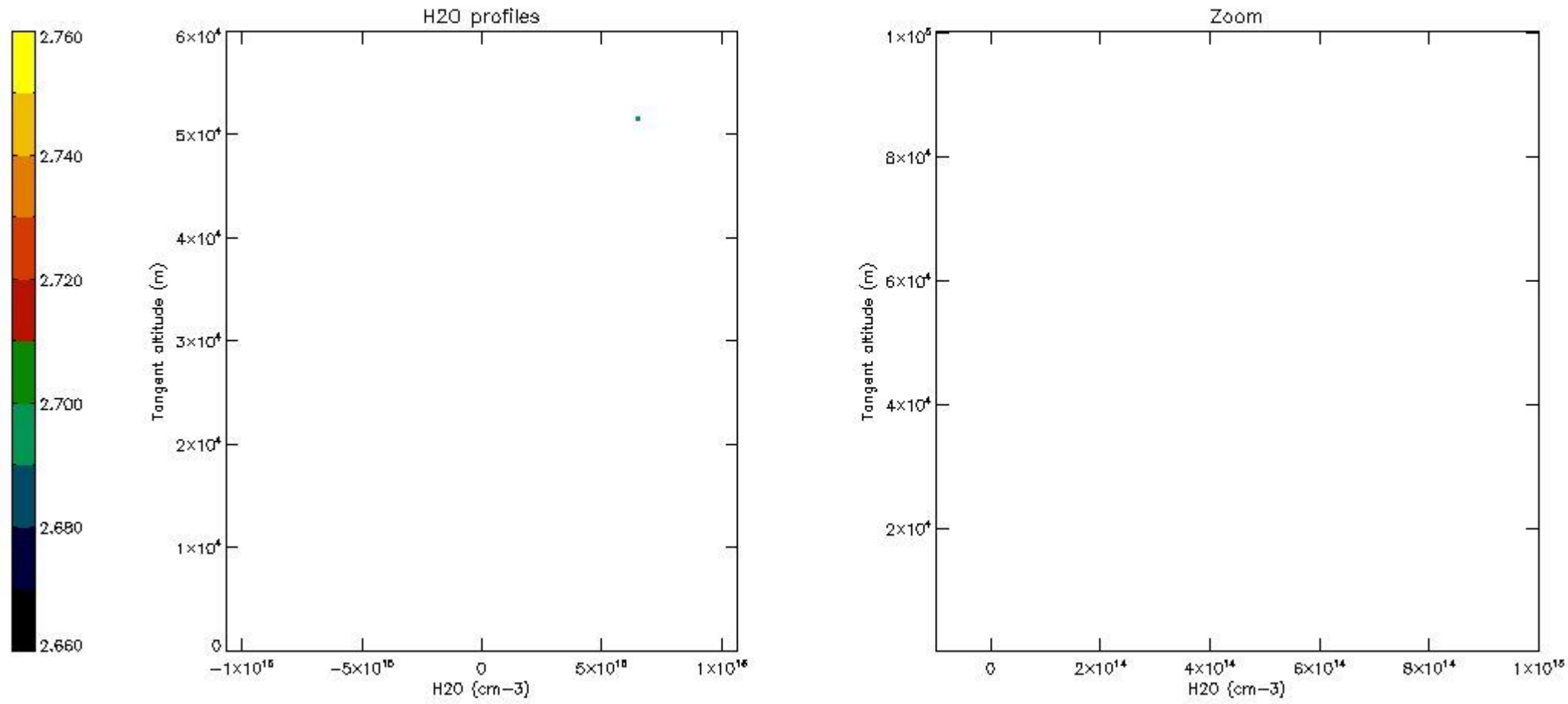
The colorbar represents the latitude.



*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	19-JAN-2008 00:02:07
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	19-JAN-2008 00:02:07
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	19-JAN-2008 00:02:07

# 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	25APR2013 08:59:23
Data source version	GOMOS/6.01
Start time of products	19-01-2008 (19JAN2008 00:00:00)
Stop time of products	20-01-2008 (20JAN2008 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	149
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__2PRFIN20080119_000207_000000362065_00159_30774_9145.N1	19-JAN-2008 00:02:07	Bright	36.000	130	23Bet Dra	2.7990	5800.0	72	30774	No
2	GOM_NL__2PRFIN20080119_000827_000000362065_00159_30774_9146.N1	19-JAN-2008 00:08:27	Bright	36.000	133	40Zet Her	2.8070	6000.0	72	30774	No
3	GOM_NL__2PRFIN20080119_001317_000000342065_00159_30774_9147.N1	19-JAN-2008 00:13:17	Bright	34.000	59	55Alp Oph	2.0800	8900.0	68	30774	No
4	GOM_NL__2PRFIN20080119_001524_000000332065_00159_30774_9148.N1	19-JAN-2008 00:15:24	Bright	33.000	126	60Bet Oph	2.7700	4250.0	66	30774	No
5	GOM_NL__2PRFIN20080119_002043_000000542065_00159_30774_9149.N1	19-JAN-2008 00:20:43	Bright	53.500	98	13Zet Oph	2.5710	30000.	107	30774	No
6	GOM_NL__2PRFIN20080119_002512_000000532065_00159_30774_9150.N1	19-JAN-2008 00:25:12	Twilight	53.000	16	21Alp Sco	1.0200	3000.0	106	30774	No
7	GOM_NL__2PRFIN20080119_002648_000000432065_00159_30774_9151.N1	19-JAN-2008 00:26:48	Twilight	43.000	75	26Eps Sco	2.2910	4250.0	86	30774	No
8	GOM_NL__2PRFIN20080119_003224_000000412065_00159_30774_9152.N1	19-JAN-2008 00:32:24	Dark	40.500	109	Bet Lup	2.6770	26000.	81	30774	No
9	GOM_NL__2PRFIN20080119_003354_000000422065_00159_30774_9153.N1	19-JAN-2008 00:33:54	Dark	41.500	78	Alp Lup	2.3040	28000.	83	30774	No
10	GOM_NL__2PRFIN20080119_003620_000000452065_00160_30775_9172.N1	19-JAN-2008 00:36:20	Dark	44.500	4	Alp1Cen	-0.010000	5800.0	89	30775	No
11	GOM_NL__2PRFIN20080119_004115_000000392065_00160_30775_9173.N1	19-JAN-2008 00:41:15	Dark	38.500	129	Del Cru	2.7930	26000.	77	30775	No
12	GOM_NL__2PRFIN20080119_004513_000000382065_00160_30775_9174.N1	19-JAN-2008 00:45:13	Dark	38.000	29	Bet Car	1.6720	10200.	76	30775	No
13	GOM_NL__2PRFIN20080119_004714_000000442065_00160_30775_9175.N1	19-JAN-2008 00:47:14	Dark	44.000	71	lot Car	2.2460	7700.0	88	30775	No
14	GOM_NL__2PRFIN20080119_004905_000000402065_00160_30775_9176.N1	19-JAN-2008 00:49:05	Dark	40.000	46	Del Vel	1.9540	10600.	80	30775	No
15	GOM_NL__2PRFIN20080119_005146_000000402065_00160_30775_9177.N1	19-JAN-2008 00:51:46	Dark	40.000	34	Gam2Vel	1.7930	23000.	80	30775	No
16	GOM_NL__2PRFIN20080119_005354_000000412065_00160_30775_9178.N1	19-JAN-2008 00:53:54	Dark	40.500	70	Zet Pup	2.2460	39000.	81	30775	No
17	GOM_NL__2PRFIN20080119_005530_000000422065_00160_30775_9179.N1	19-JAN-2008 00:55:30	Straylight	41.500	117	Pi Pup	2.7060	3800.0	83	30775	No
18	GOM_NL__2PRFIN20080119_005802_000000442065_00160_30775_9180.N1	19-JAN-2008 00:58:02	Straylight	43.500	23	21Eps CMa	1.5020	26000.	87	30775	No
19	GOM_NL__2PRFIN20080119_005926_000000392065_00160_30775_9181.N1	19-JAN-2008 00:59:26	Straylight	39.000	179	24Omi2CMa	3.0320	24000.	78	30775	No
20	GOM_NL__2PRFIN20080119_010138_000000462065_00160_30775_9182.N1	19-JAN-2008 01:01:38	Straylight	45.500	1	9Alp CMa	-1.4400	11000.	91	30775	No
21	GOM_NL__2PRFIN20080119_010409_000000412065_00160_30775_9183.N1	19-JAN-2008 01:04:09	Straylight	41.000	56	53Kap Ori	2.0650	30000.	82	30775	No
22	GOM_NL__2PRFIN20080119_010621_000000402065_00160_30775_9184.N1	19-JAN-2008 01:06:21	Twilight_and_stray	39.500	33	50Zet Ori	1.7660	30000.	79	30775	No
23	GOM_NL__2PRFIN20080119_010847_000000472065_00160_30775_9185.N1	19-JAN-2008 01:08:47	Twilight_and_stray	46.500	14	58Alp Ori	0.87000	3000.0	93	30775	No
24	GOM_NL__2PRFIN20080119_011110_000000502065_00160_30775_9186.N1	19-JAN-2008 01:11:10	Bright	49.500	44	24Gam Gem	1.9280	11000.	99	30775	No
25	GOM_NL__2PRFIN20080119_011254_000000412065_00160_30775_9187.N1	19-JAN-2008 01:12:54	Bright	40.500	151	13Mu Gem	2.8900	3000.0	81	30775	No
26	GOM_NL__2PRFIN20080119_011455_000000372065_00160_30775_9188.N1	19-JAN-2008 01:14:55	Bright	37.000	28	12Bet Tau	1.6500	15200.	74	30775	No
27	GOM_NL__2PRFIN20080119_011704_000000372065_00160_30775_9189.N1	19-JAN-2008 01:17:04	Bright	37.000	107	37The Aur	2.6490	11000.	74	30775	No
28	GOM_NL__2PRFIN20080119_011915_000000362065_00160_30775_9190.N1	19-JAN-2008 01:19:15	Bright	36.000	42	34Bet Aur	1.9000	10200.	72	30775	No
29	GOM_NL__2PRFIN20080119_013148_000000352065_00160_30775_9191.N1	19-JAN-2008 01:31:48	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	30775	No
30	GOM_NL__2PRFIN20080119_014003_000000372065_00160_30775_9192.N1	19-JAN-2008 01:40:03	Bright	36.500	119	14Eta Dra	2.7270	4700.0	73	30775	No
31	GOM_NL__2PRFIN20080119_014243_000000522065_00160_30775_9193.N1	19-JAN-2008 01:42:43	Bright	52.000	130	23Bet Dra	2.7990	5800.0	104	30775	No
32	GOM_NL__2PRFIN20080119_014903_000000552065_00160_30775_9194.N1	19-JAN-2008 01:49:03	Bright	55.000	133	40Zet Her	2.8070	6000.0	110	30775	No
33	GOM_NL__2PRFIN20080119_015354_000000332065_00160_30775_9195.N1	19-JAN-2008 01:53:54	Bright	33.000	59	55Alp Oph	2.0800	8900.0	66	30775	No
34	GOM_NL__2PRFIN20080119_015600_000000332065_00160_30775_9196.N1	19-JAN-2008 01:56:00	Bright	32.500	126	60Bet Oph	2.7700	4250.0	65	30775	No
35	GOM_NL__2PRFIN20080119_020120_000000542065_00160_30775_9197.N1	19-JAN-2008 02:01:20	Bright	54.000	98	13Zet Oph	2.5710	30000.	108	30775	No
36	GOM_NL__2PRFIN20080119_020548_000000512065_00160_30775_9198.N1	19-JAN-2008 02:05:48	Twilight	51.000	16	21Alp Sco	1.0200	3000.0	102	30775	No
37	GOM_NL__2PRFIN20080119_020725_000000442065_00160_30775_9199.N1	19-JAN-2008 02:07:25	Twilight	43.500	75	26Eps Sco	2.2910	4250.0	87	30775	No
38	GOM_NL__2PRFIN20080119_021301_000000412065_00160_30775_9200.N1	19-JAN-2008 02:13:01	Dark	40.500	109	Bet Lup	2.6770	26000.	81	30775	No
39	GOM_NL__2PRFIN20080119_021431_000000432065_00160_30775_9201.N1	19-JAN-2008 02:14:31	Dark	43.000	78	Alp Lup	2.3040	28000.	86	30775	No
40	GOM_NL__2PRFIN20080119_021656_000000412065_00161_30776_9189.N1	19-JAN-2008 02:16:56	Dark	41.000	4	Alp1Cen	-0.010000	5800.0	82	30776	No
41	GOM_NL__2PRFIN20080119_022151_000000402065_00161_30776_9190.N1	19-JAN-2008 02:21:51	Dark	40.000	129	Del Cru	2.7930	26000.	80	30776	No
42	GOM_NL__2PRFIN20080119_022550_000000382065_00161_30776_9191.N1	19-JAN-2008 02:25:50	Dark	38.000	29	Bet Car	1.6720	10200.	76	30776	No

43	GOM_NL__2PRFIN20080119_022751_000000382065_00161_30776_9192.N1	19-JAN-2008 02:27:51	Dark	38.000	71	lot Car	2.2460	7700.0	76	30776	No
44	GOM_NL__2PRFIN20080119_022942_000000422065_00161_30776_9193.N1	19-JAN-2008 02:29:42	Dark	42.000	46	Del Vel	1.9540	10600.	84	30776	No
45	GOM_NL__2PRFIN20080119_023222_000000422065_00161_30776_9194.N1	19-JAN-2008 02:32:22	Dark	41.500	34	Gam2Vel	1.7930	23000.	83	30776	No
46	GOM_NL__2PRFIN20080119_023430_000000412065_00161_30776_9195.N1	19-JAN-2008 02:34:30	Dark	40.500	70	Zet Pup	2.2460	39000.	81	30776	No
47	GOM_NL__2PRFIN20080119_023607_000000462065_00161_30776_9196.N1	19-JAN-2008 02:36:07	Straylight	45.500	117	Pi Pup	2.7060	3800.0	91	30776	No
48	GOM_NL__2PRFIN20080119_023838_000000432065_00161_30776_9197.N1	19-JAN-2008 02:38:38	Straylight	43.000	23	21Eps CMa	1.5020	26000.	86	30776	No
49	GOM_NL__2PRFIN20080119_024002_000000402065_00161_30776_9198.N1	19-JAN-2008 02:40:02	Straylight	39.500	179	24Omi2CMa	3.0320	24000.	79	30776	No
50	GOM_NL__2PRFIN20080119_024214_000000462065_00161_30776_9199.N1	19-JAN-2008 02:42:14	Straylight	46.000	1	9Alp CMa	-1.4400	11000.	92	30776	No
51	GOM_NL__2PRFIN20080119_024445_000000412065_00161_30776_9200.N1	19-JAN-2008 02:44:45	Straylight	40.500	56	53Kap Ori	2.0650	30000.	81	30776	No
52	GOM_NL__2PRFIN20080119_024658_000000412065_00161_30776_9201.N1	19-JAN-2008 02:46:58	Tw_i_and_stray	41.000	33	50Zet Ori	1.7660	30000.	82	30776	No
53	GOM_NL__2PRFIN20080119_024923_000000522065_00161_30776_9202.N1	19-JAN-2008 02:49:23	Tw_i_and_stray	52.000	14	58Alp Ori	0.87000	3000.0	104	30776	No
54	GOM_NL__2PRFIN20080119_025146_000000382065_00161_30776_9203.N1	19-JAN-2008 02:51:46	Bright	37.500	44	24Gam Gem	1.9280	11000.	75	30776	No
55	GOM_NL__2PRFIN20080119_025330_000000472065_00161_30776_9204.N1	19-JAN-2008 02:53:30	Bright	46.500	151	13Mu Gem	2.8900	3000.0	93	30776	No
56	GOM_NL__2PRFIN20080119_025531_000000372065_00161_30776_9205.N1	19-JAN-2008 02:55:31	Bright	37.000	28	12Bet Tau	1.6500	15200.	74	30776	No
57	GOM_NL__2PRFIN20080119_025740_000000352065_00161_30776_9206.N1	19-JAN-2008 02:57:40	Bright	35.000	107	37The Aur	2.6490	11000.	70	30776	No
58	GOM_NL__2PRFIN20080119_025950_000000362065_00161_30776_9207.N1	19-JAN-2008 02:59:50	Bright	36.000	42	34Bet Aur	1.9000	10200.	72	30776	No
59	GOM_NL__2PRFIN20080119_031224_000000352065_00161_30776_9208.N1	19-JAN-2008 03:12:24	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	30776	No
60	GOM_NL__2PRFIN20080119_032038_000000392065_00161_30776_9209.N1	19-JAN-2008 03:20:38	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	30776	No
61	GOM_NL__2PRFIN20080119_032319_000000412065_00161_30776_9210.N1	19-JAN-2008 03:23:19	Bright	40.500	130	23Bet Dra	2.7990	5800.0	81	30776	No
62	GOM_NL__2PRFIN20080119_032939_000000552065_00161_30776_9211.N1	19-JAN-2008 03:29:39	Bright	55.000	133	40Zet Her	2.8070	6000.0	110	30776	No
63	GOM_NL__2PRFIN20080119_033430_000000342065_00161_30776_9212.N1	19-JAN-2008 03:34:30	Bright	33.500	59	55Alp Oph	2.0800	8900.0	67	30776	No
64	GOM_NL__2PRFIN20080119_033636_000000332065_00161_30776_9213.N1	19-JAN-2008 03:36:36	Bright	33.000	126	60Bet Oph	2.7700	4250.0	66	30776	No
65	GOM_NL__2PRFIN20080119_034156_000000392065_00161_30776_9214.N1	19-JAN-2008 03:41:56	Bright	38.500	98	13Zet Oph	2.5710	30000.	77	30776	No
66	GOM_NL__2PRFIN20080119_034625_000000542065_00161_30776_9215.N1	19-JAN-2008 03:46:25	Twilight	54.000	16	21Alp Sco	1.0200	3000.0	108	30776	No
67	GOM_NL__2PRFIN20080119_034801_000000412065_00161_30776_9216.N1	19-JAN-2008 03:48:01	Twilight	41.000	75	26Eps Sco	2.2910	4250.0	82	30776	No
68	GOM_NL__2PRFIN20080119_035146_000000392065_00161_30776_9217.N1	19-JAN-2008 03:51:46	Dark	38.500	131	Gam Lup	2.8000	26000.	77	30776	No
69	GOM_NL__2PRFIN20080119_035508_000000402065_00161_30776_9218.N1	19-JAN-2008 03:55:08	Dark	39.500	78	Alp Lup	2.3040	28000.	79	30776	No
70	GOM_NL__2PRFIN20080119_035733_000000412065_00162_30777_9200.N1	19-JAN-2008 03:57:33	Dark	41.000	4	Alp1Cen	-0.010000	5800.0	82	30777	No
71	GOM_NL__2PRFIN20080119_040228_000000412065_00162_30777_9201.N1	19-JAN-2008 04:02:28	Dark	40.500	129	Del Cru	2.7930	26000.	81	30777	No
72	GOM_NL__2PRFIN20080119_040626_000000382065_00162_30777_9202.N1	19-JAN-2008 04:06:26	Dark	38.000	29	Bet Car	1.6720	10200.	76	30777	No
73	GOM_NL__2PRFIN20080119_040827_000000412065_00162_30777_9203.N1	19-JAN-2008 04:08:27	Dark	40.500	71	lot Car	2.2460	7700.0	81	30777	No
74	GOM_NL__2PRFIN20080119_041018_000000392065_00162_30777_9204.N1	19-JAN-2008 04:10:18	Dark	38.500	46	Del Vel	1.9540	10600.	77	30777	No
75	GOM_NL__2PRFIN20080119_041259_000000412065_00162_30777_9205.N1	19-JAN-2008 04:12:59	Dark	40.500	34	Gam2Vel	1.7930	23000.	81	30777	No
76	GOM_NL__2PRFIN20080119_041507_000000402065_00162_30777_9206.N1	19-JAN-2008 04:15:07	Dark	39.500	70	Zet Pup	2.2460	39000.	79	30777	No
77	GOM_NL__2PRFIN20080119_041643_000000442065_00162_30777_9207.N1	19-JAN-2008 04:16:43	Straylight	43.500	117	Pi Pup	2.7060	3800.0	87	30777	No
78	GOM_NL__2PRFIN20080119_041914_000000432065_00162_30777_9208.N1	19-JAN-2008 04:19:14	Straylight	43.000	23	21Eps CMa	1.5020	26000.	86	30777	No
79	GOM_NL__2PRFIN20080119_042038_000000392065_00162_30777_9209.N1	19-JAN-2008 04:20:38	Straylight	38.500	179	24Omi2CMa	3.0320	24000.	77	30777	No
80	GOM_NL__2PRFIN20080119_042250_000000512065_00162_30777_9210.N1	19-JAN-2008 04:22:50	Straylight	50.500	1	9Alp CMa	-1.4400	11000.	101	30777	No
81	GOM_NL__2PRFIN20080119_042521_000000412065_00162_30777_9211.N1	19-JAN-2008 04:25:21	Straylight	41.000	56	53Kap Ori	2.0650	30000.	82	30777	No
82	GOM_NL__2PRFIN20080119_042739_000000352065_00162_30777_9212.N1	19-JAN-2008 04:27:39	Tw_i_and_stray	35.000	33	50Zet Ori	1.7660	30000.	70	30777	No
83	GOM_NL__2PRFIN20080119_043000_000000492065_00162_30777_9213.N1	19-JAN-2008 04:30:00	Tw_i_and_stray	48.500	14	58Alp Ori	0.87000	3000.0	97	30777	No
84	GOM_NL__2PRFIN20080119_043222_000000392065_00162_30777_9214.N1	19-JAN-2008 04:32:22	Bright	38.500	44	24Gam Gem	1.9280	11000.	77	30777	No
85	GOM_NL__2PRFIN20080119_043406_000000362065_00162_30777_9215.N1	19-JAN-2008 04:34:06	Bright	36.000	151	13Mu Gem	2.8900	3000.0	72	30777	No
86	GOM_NL__2PRFIN20080119_043608_000000372065_00162_30777_9216.N1	19-JAN-2008 04:36:08	Bright	36.500	28	12Bet Tau	1.6500	15200.	73	30777	No
87	GOM_NL__2PRFIN20080119_043816_000000362065_00162_30777_9217.N1	19-JAN-2008 04:38:16	Bright	36.000	107	37The Aur	2.6490	11000.	72	30777	No
88	GOM_NL__2PRFIN20080119_044027_000000362065_00162_30777_9218.N1	19-JAN-2008 04:40:27	Bright	36.000	42	34Bet Aur	1.9000	10200.	72	30777	No
89	GOM_NL__2PRFIN20080119_045300_000000372065_00162_30777_9219.N1	19-JAN-2008 04:53:00	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	30777	No
90	GOM_NL__2PRFIN20080119_050114_000000382065_00162_30777_9220.N1	19-JAN-2008 05:01:14	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	30777	No
91	GOM_NL__2PRFIN20080119_050356_000000362065_00162_30777_9221.N1	19-JAN-2008 05:03:56	Bright	36.000	130	23Bet Dra	2.7990	5800.0	72	30777	No
92	GOM_NL__2PRFIN20080119_051015_000000552065_00162_30777_9222.N1	19-JAN-2008 05:10:15	Bright	55.000	133	40Zet Her	2.8070	6000.0	110	30777	No
93	GOM_NL__2PRFIN20080119_051506_000000342065_00162_30777_9223.N1	19-JAN-2008 05:15:06	Bright	33.500	59	55Alp Oph	2.0800	8900.0	67	30777	No
94	GOM_NL__2PRFIN20080119_051713_000000342065_00162_30777_9224.N1	19-JAN-2008 05:17:13	Bright	33.500	126	60Bet Oph	2.7700	4250.0	67	30777	No
95	GOM_NL__2PRFIN20080119_052233_000000442065_00162_30777_9225.N1	19-JAN-2008 05:22:33	Bright	43.500	98	13Zet Oph	2.5710	30000.	87	30777	No
96	GOM_NL__2PRFIN20080119_052701_000000452065_00162_30777_9226.N1	19-JAN-2008 05:27:01	Twilight	45.000	16	21Alp Sco	1.0200	3000.0	90	30777	No
97	GOM_NL__2PRFIN20080119_052837_000000392065_00162_30777_9227.N1	19-JAN-2008 05:28:37	Twilight	38.500	75	26Eps Sco	2.2910	4250.0	77	30777	No
98	GOM_NL__2PRFIN20080119_053223_000000402065_00162_30777_9228.N1	19-JAN-2008 05:32:23	Dark	39.500	131	Gam Lup	2.8000	26000.	79	30777	No
99	GOM_NL__2PRFIN20080119_053414_000000412065_00162_30777_9229.N1	19-JAN-2008 05:34:14	Dark	40.500	109	Bet Lup	2.6770	26000.	81	30777	No
100	GOM_NL__2PRFIN20080119_053544_000000412065_00162_30777_9230.N1	19-JAN-2008 05:35:44	Dark	40.500	78	Alp Lup	2.3040	28000.	81	30777	No
101	GOM_NL__2PRFIN20080119_053809_000000522065_00163_30778_9213.N1	19-JAN-2008 05:38:09	Dark	52.000	4	Alp1Cen	-0.010000	5800.0	104	30778	No

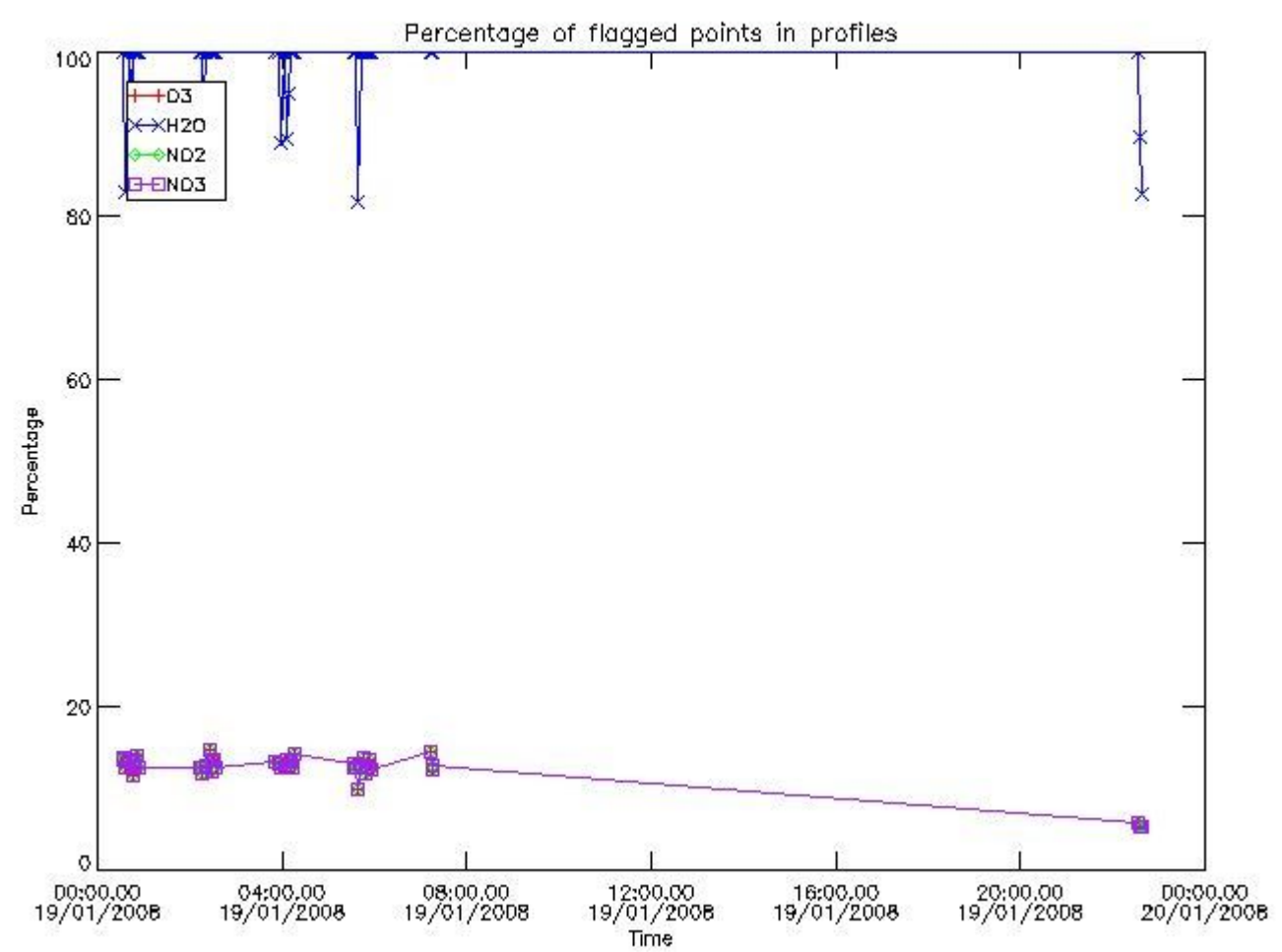


102	GOM_NL__2PRFIN20080119_054305_000000402065_00163_30778_9214.N1	19-JAN-2008 05:43:05	Dark	40.000	129	Del Cru	2.7930	26000.	80	30778	No
103	GOM_NL__2PRFIN20080119_054702_000000372065_00163_30778_9215.N1	19-JAN-2008 05:47:02	Dark	37.000	29	Bet Car	1.6720	10200.	74	30778	No
104	GOM_NL__2PRFIN20080119_054904_000000432065_00163_30778_9216.N1	19-JAN-2008 05:49:04	Dark	43.000	71	lot Car	2.2460	7700.0	86	30778	No
105	GOM_NL__2PRFIN20080119_055055_000000412065_00163_30778_9217.N1	19-JAN-2008 05:50:55	Dark	40.500	46	Del Vel	1.9540	10600.	81	30778	No
106	GOM_NL__2PRFIN20080119_055335_000000382065_00163_30778_9218.N1	19-JAN-2008 05:53:35	Dark	38.000	34	Gam2Vel	1.7930	23000.	76	30778	No
107	GOM_NL__2PRFIN20080119_055543_000000422065_00163_30778_9219.N1	19-JAN-2008 05:55:43	Dark	41.500	70	Zet Pup	2.2460	39000.	83	30778	No
108	GOM_NL__2PRFIN20080119_055719_000000442065_00163_30778_9220.N1	19-JAN-2008 05:57:19	Straylight	43.500	117	Pi Pup	2.7060	3800.0	87	30778	No
109	GOM_NL__2PRFIN20080119_055950_000000402065_00163_30778_9221.N1	19-JAN-2008 05:59:50	Straylight	39.500	23	21Eps CMa	1.5020	26000.	79	30778	No
110	GOM_NL__2PRFIN20080119_060115_000000392065_00163_30778_9222.N1	19-JAN-2008 06:01:15	Straylight	38.500	179	24Omi2CMa	3.0320	24000.	77	30778	No
111	GOM_NL__2PRFIN20080119_060326_000000462065_00163_30778_9223.N1	19-JAN-2008 06:03:26	Straylight	45.500	1	9Alp CMa	-1.4400	11000.	91	30778	No
112	GOM_NL__2PRFIN20080119_060557_000000382065_00163_30778_9224.N1	19-JAN-2008 06:05:57	Straylight	37.500	56	53Kap Ori	2.0650	30000.	75	30778	No
113	GOM_NL__2PRFIN20080119_061036_000000452065_00163_30778_9225.N1	19-JAN-2008 06:10:36	Twilight_stray	45.000	14	58Alp Ori	0.87000	3000.0	90	30778	No
114	GOM_NL__2PRFIN20080119_061258_000000392065_00163_30778_9226.N1	19-JAN-2008 06:12:58	Bright	38.500	44	24Gam Gem	1.9280	11000.	77	30778	No
115	GOM_NL__2PRFIN20080119_061442_000000522065_00163_30778_9227.N1	19-JAN-2008 06:14:42	Bright	52.000	151	13Mu Gem	2.8900	3000.0	104	30778	No
116	GOM_NL__2PRFIN20080119_061644_000000452065_00163_30778_9228.N1	19-JAN-2008 06:16:44	Bright	45.000	28	12Bet Tau	1.6500	15200.	90	30778	No
117	GOM_NL__2PRFIN20080119_061852_000000342065_00163_30778_9229.N1	19-JAN-2008 06:18:52	Bright	34.000	107	37The Aur	2.6490	11000.	68	30778	No
118	GOM_NL__2PRFIN20080119_062103_000000362065_00163_30778_9230.N1	19-JAN-2008 06:21:03	Bright	35.500	42	34Bet Aur	1.9000	10200.	71	30778	No
119	GOM_NL__2PRFIN20080119_063336_000000362065_00163_30778_9231.N1	19-JAN-2008 06:33:36	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	30778	No
120	GOM_NL__2PRFIN20080119_064150_000000392065_00163_30778_9232.N1	19-JAN-2008 06:41:50	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	30778	No
121	GOM_NL__2PRFIN20080119_064432_000000372065_00163_30778_9233.N1	19-JAN-2008 06:44:32	Bright	36.500	130	23Bet Dra	2.7990	5800.0	73	30778	No
122	GOM_NL__2PRFIN20080119_065051_000000512065_00163_30778_9234.N1	19-JAN-2008 06:50:51	Bright	51.000	133	40Zet Her	2.8070	6000.0	102	30778	No
123	GOM_NL__2PRFIN20080119_065542_000000342065_00163_30778_9235.N1	19-JAN-2008 06:55:42	Bright	33.500	59	55Alp Oph	2.0800	8900.0	67	30778	No
124	GOM_NL__2PRFIN20080119_065749_000000342065_00163_30778_9236.N1	19-JAN-2008 06:57:49	Bright	33.500	126	60Bet Oph	2.7700	4250.0	67	30778	No
125	GOM_NL__2PRFIN20080119_070309_000000542065_00163_30778_9237.N1	19-JAN-2008 07:03:09	Bright	54.000	98	13Zet Oph	2.5710	30000.	108	30778	No
126	GOM_NL__2PRFIN20080119_070737_000000512065_00163_30778_9238.N1	19-JAN-2008 07:07:37	Twilight	51.000	16	21Alp Sco	1.0200	3000.0	102	30778	No
127	GOM_NL__2PRFIN20080119_070914_000000412065_00163_30778_9239.N1	19-JAN-2008 07:09:14	Twilight	40.500	75	26Eps Sco	2.2910	4250.0	81	30778	No
128	GOM_NL__2PRFIN20080119_071300_000000392065_00163_30778_9240.N1	19-JAN-2008 07:13:00	Dark	38.500	131	Gam Lup	2.8000	26000.	77	30778	No
129	GOM_NL__2PRFIN20080119_071451_000000422065_00163_30778_9241.N1	19-JAN-2008 07:14:51	Dark	41.500	109	Bet Lup	2.6770	26000.	83	30778	No
130	GOM_NL__2PRFIN20080119_071621_000000402065_00163_30778_9242.N1	19-JAN-2008 07:16:21	Dark	39.500	78	Alp Lup	2.3040	28000.	79	30778	No
131	GOM_NL__2PRFIN20080119_223215_000000882065_00173_30788_9366.N1	19-JAN-2008 22:32:15	Dark	87.500	29	Bet Car	1.6720	10200.	175	30788	No
132	GOM_NL__2PRFIN20080119_223526_000000962065_00173_30788_9367.N1	19-JAN-2008 22:35:26	Dark	96.000	41	Eps Car	1.8600	4100.0	192	30788	No
133	GOM_NL__2PRFIN20080119_223853_000000982065_00173_30788_9368.N1	19-JAN-2008 22:38:53	Dark	98.000	2	Alp Car	-0.73600	7000.0	196	30788	No
134	GOM_NL__2PRFIN20080119_224229_000000952065_00173_30788_9369.N1	19-JAN-2008 22:42:29	Straylight	94.500	117	Pi Pup	2.7060	3800.0	189	30788	No
135	GOM_NL__2PRFIN20080119_224500_000000942065_00173_30788_9370.N1	19-JAN-2008 22:45:00	Straylight	94.000	23	21Eps CMa	1.5020	26000.	188	30788	No
136	GOM_NL__2PRFIN20080119_224836_000000972065_00173_30788_9371.N1	19-JAN-2008 22:48:36	Straylight	97.000	1	9Alp CMa	-1.4400	11000.	194	30788	No
137	GOM_NL__2PRFIN20080119_225108_000000912065_00173_30788_9372.N1	19-JAN-2008 22:51:08	Straylight	91.000	56	53Kap Ori	2.0650	30000.	182	30788	No
138	GOM_NL__2PRFIN20080119_225337_000000932065_00173_30788_9373.N1	19-JAN-2008 22:53:37	Twilight_stray	92.500	30	46Eps Ori	1.6940	30000.	185	30788	No
139	GOM_NL__2PRFIN20080119_225547_000001012065_00173_30788_9374.N1	19-JAN-2008 22:55:47	Twilight_stray	100.50	14	58Alp Ori	0.87000	3000.0	201	30788	No
140	GOM_NL__2PRFIN20080119_225805_000000982065_00173_30788_9375.N1	19-JAN-2008 22:58:05	Bright	98.000	44	24Gam Gem	1.9280	11000.	196	30788	No
141	GOM_NL__2PRFIN20080119_230156_000000862065_00173_30788_9376.N1	19-JAN-2008 23:01:56	Bright	85.500	28	12Bet Tau	1.6500	15200.	171	30788	No
142	GOM_NL__2PRFIN20080119_230402_000000842065_00173_30788_9377.N1	19-JAN-2008 23:04:02	Bright	83.500	107	37The Aur	2.6490	11000.	167	30788	No
143	GOM_NL__2PRFIN20080119_231844_000000852065_00173_30788_9378.N1	19-JAN-2008 23:18:44	Bright	85.000	49	1Alp UMi	1.9900	6300.0	170	30788	No
144	GOM_NL__2PRFIN20080119_232940_000001042065_00173_30788_9379.N1	19-JAN-2008 23:29:40	Bright	104.00	130	23Bet Dra	2.7990	5800.0	208	30788	No
145	GOM_NL__2PRFIN20080119_233255_000000852065_00173_30788_9380.N1	19-JAN-2008 23:32:55	Bright	85.000	5	3Alp Lyr	0.033000	11000.	170	30788	No
146	GOM_NL__2PRFIN20080119_234053_000000842065_00173_30788_9381.N1	19-JAN-2008 23:40:53	Bright	84.000	59	55Alp Oph	2.0800	8900.0	168	30788	No
147	GOM_NL__2PRFIN20080119_234300_000000842065_00173_30788_9382.N1	19-JAN-2008 23:43:00	Bright	83.500	126	60Bet Oph	2.7700	4250.0	167	30788	No
148	GOM_NL__2PRFIN20080119_234820_000001082065_00173_30788_9383.N1	19-JAN-2008 23:48:20	Bright	108.00	98	13Zet Oph	2.5710	30000.	216	30788	No
149	GOM_NL__2PRFIN20080119_235249_000000992065_00173_30788_9384.N1	19-JAN-2008 23:52:49	Twilight_stray	98.500	16	21Alp Sco	1.0200	3000.0	197	30788	No

### 3. Quality information per product

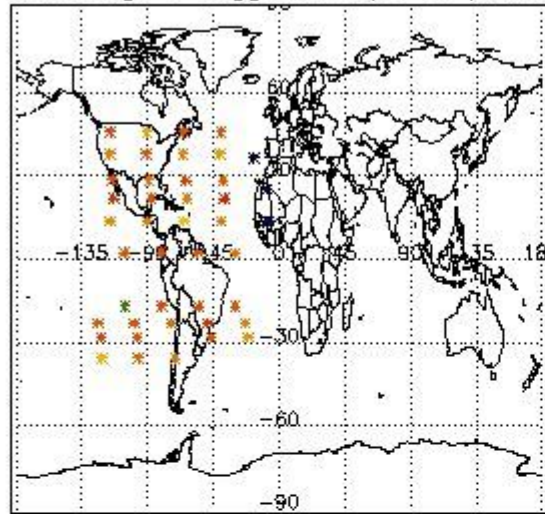
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

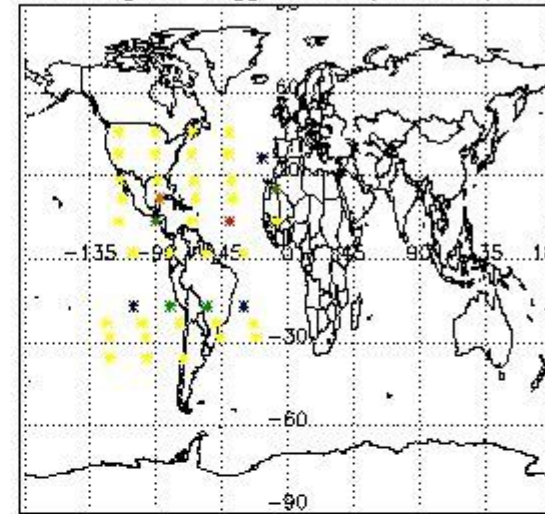


3.2 Plot quality information per product (world map)

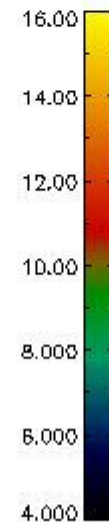
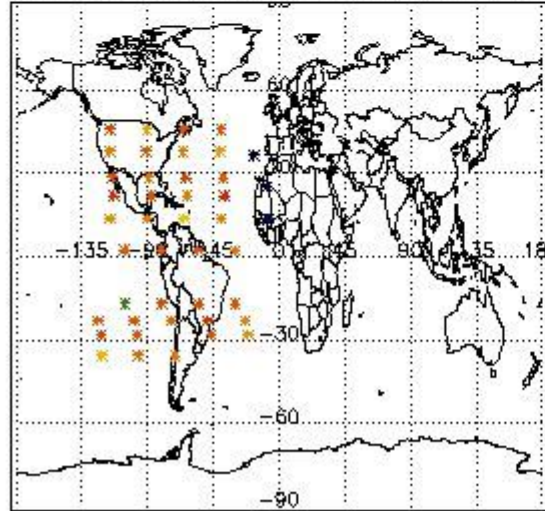
Percentage of flagged data per O3 profile



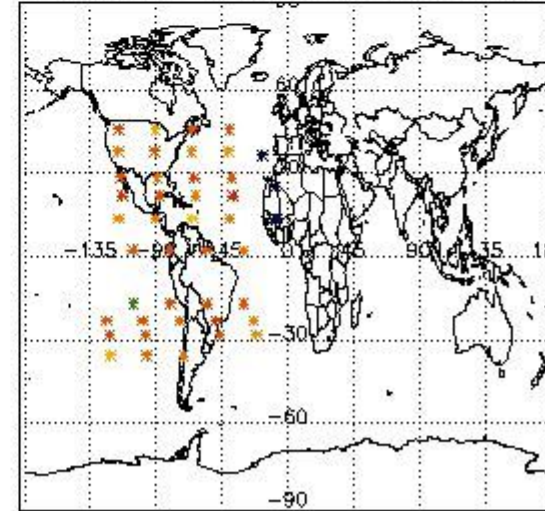
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

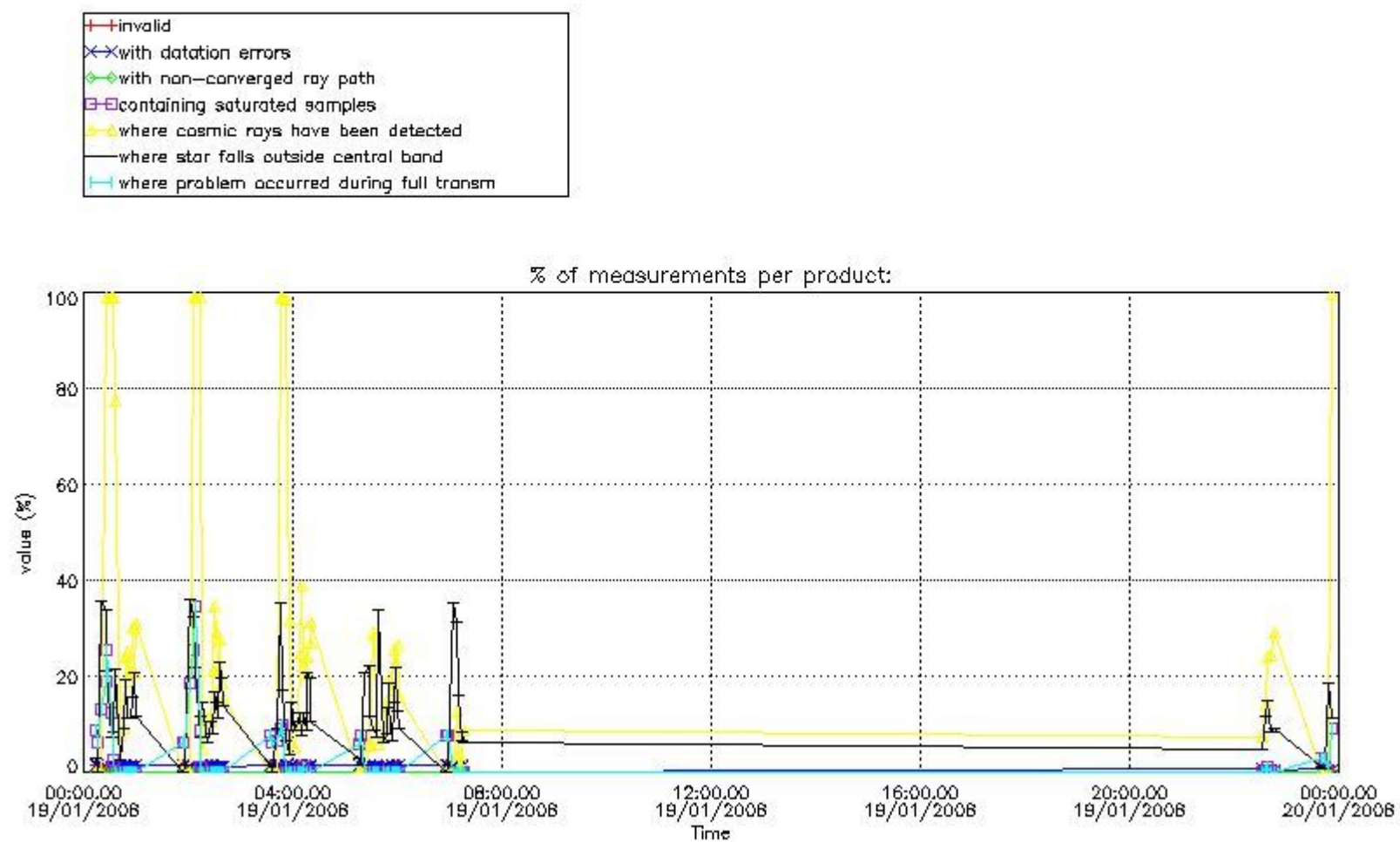


#### 4. Level 1 quality information per product

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

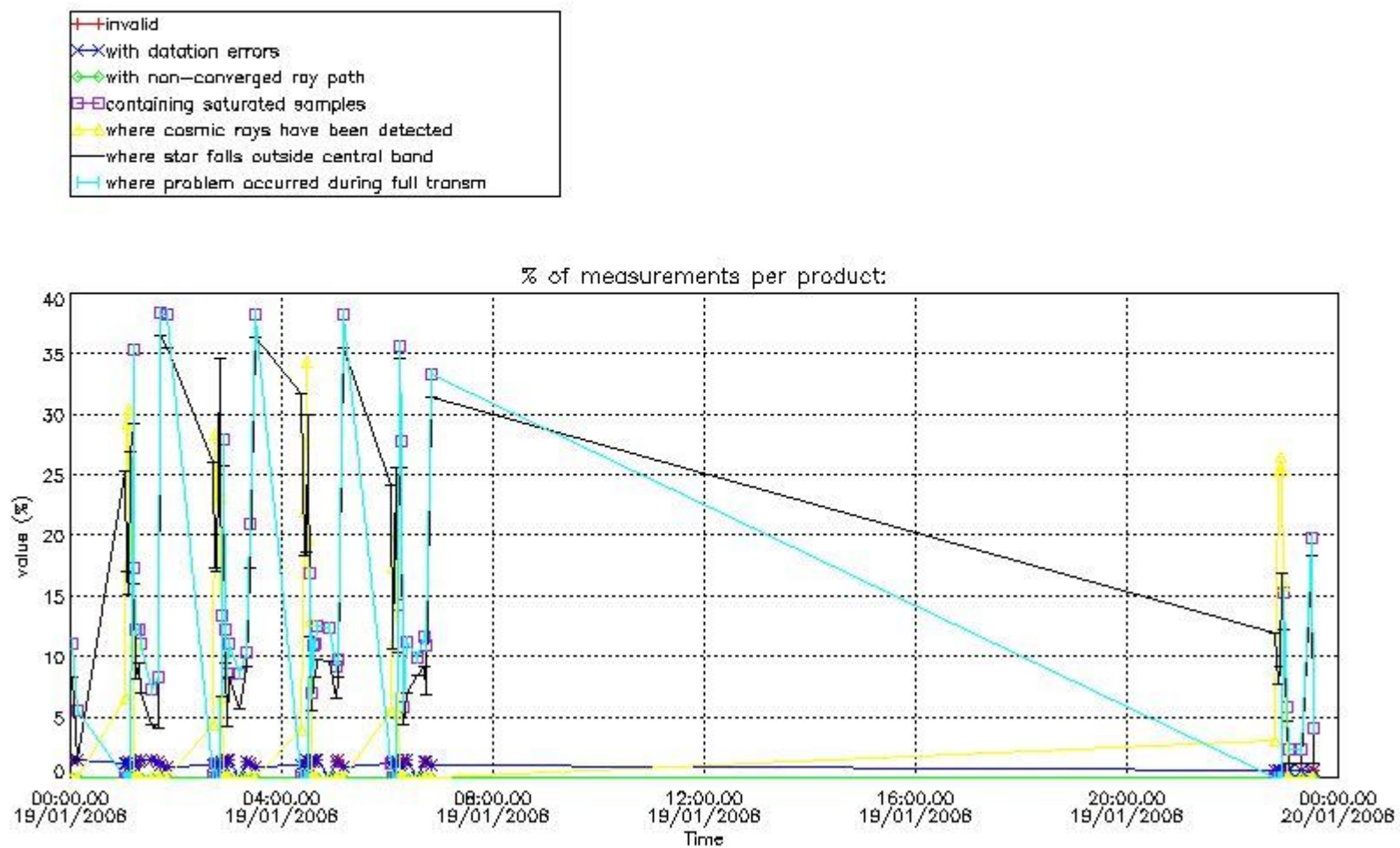
##### 4.1 Plot quality information per product (time dependant) coming from level 1b processing

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



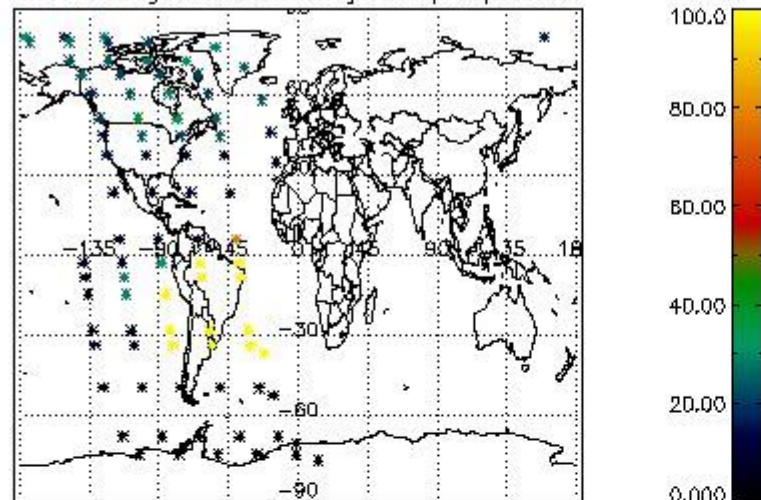
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



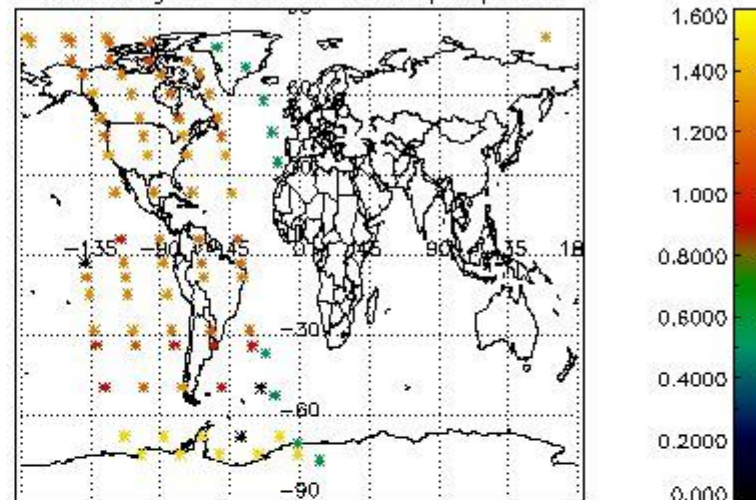


4.2 Plot quality information per product coming from level 1b processing (world map)  
 4.2.1 Plot level 1 quality information per product (world map): ENVISAT ASCENDING passes

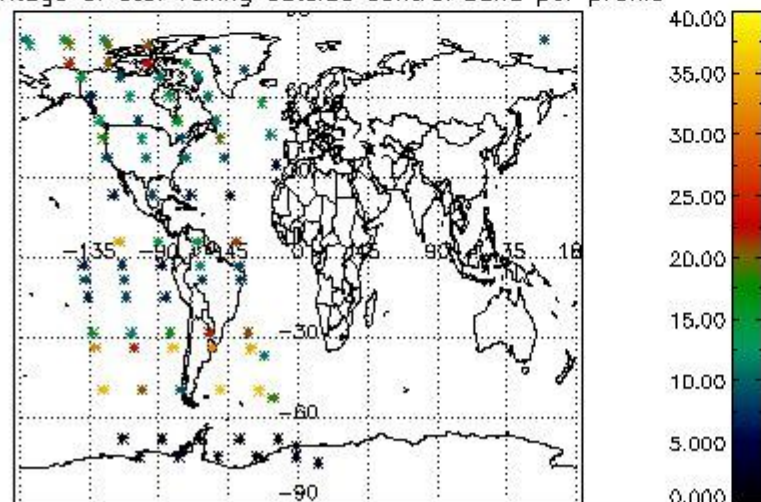
Percentage of cosmic ray hits per profile



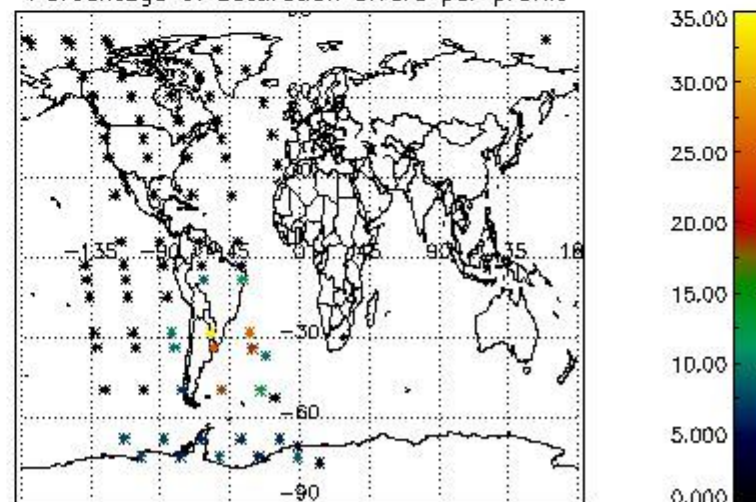
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

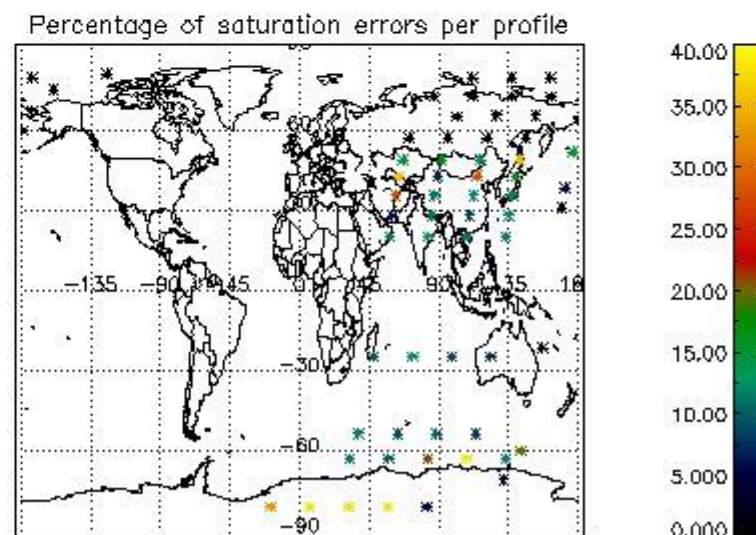
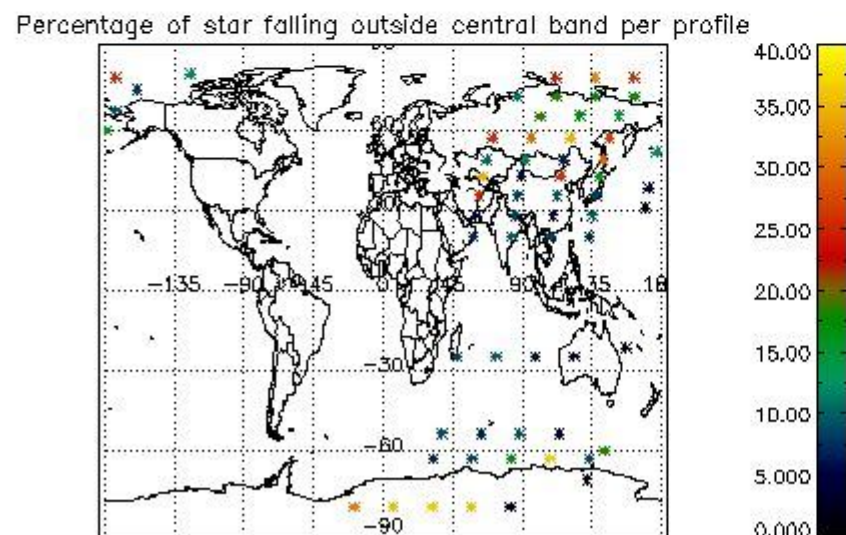
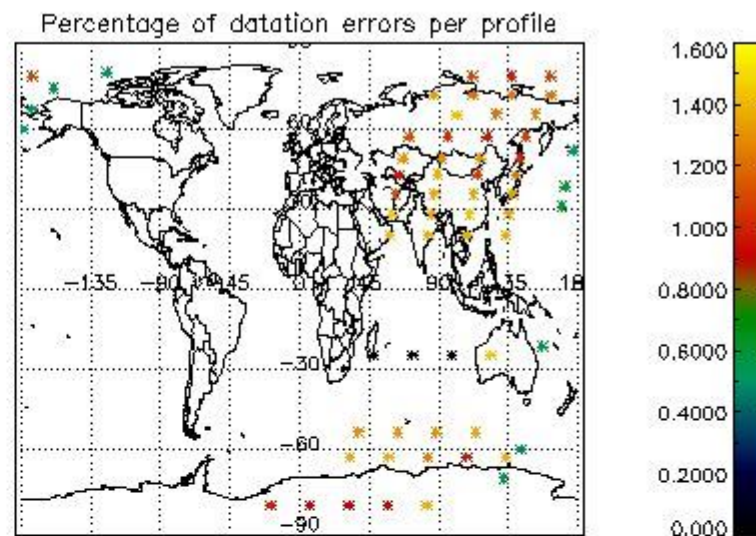
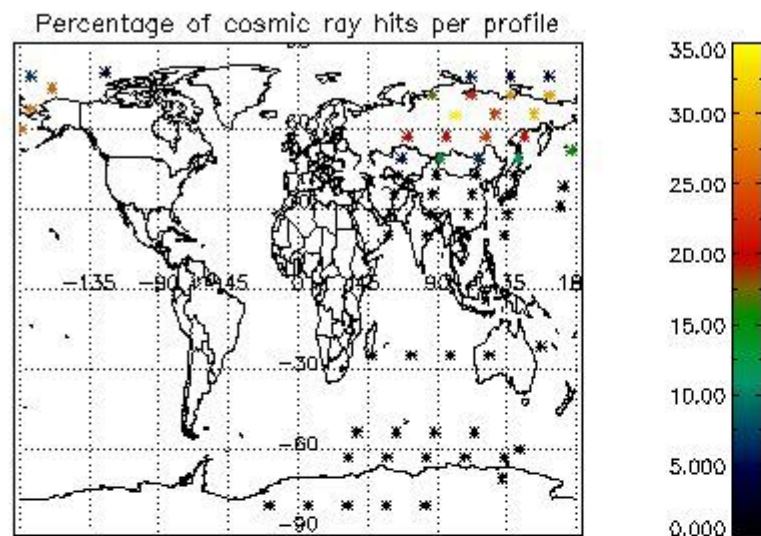


Percentage of saturation errors per profile



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





## 5. Trace gas profiles

### 5.1 Ozone statistics based on quality of products

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

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

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

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

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

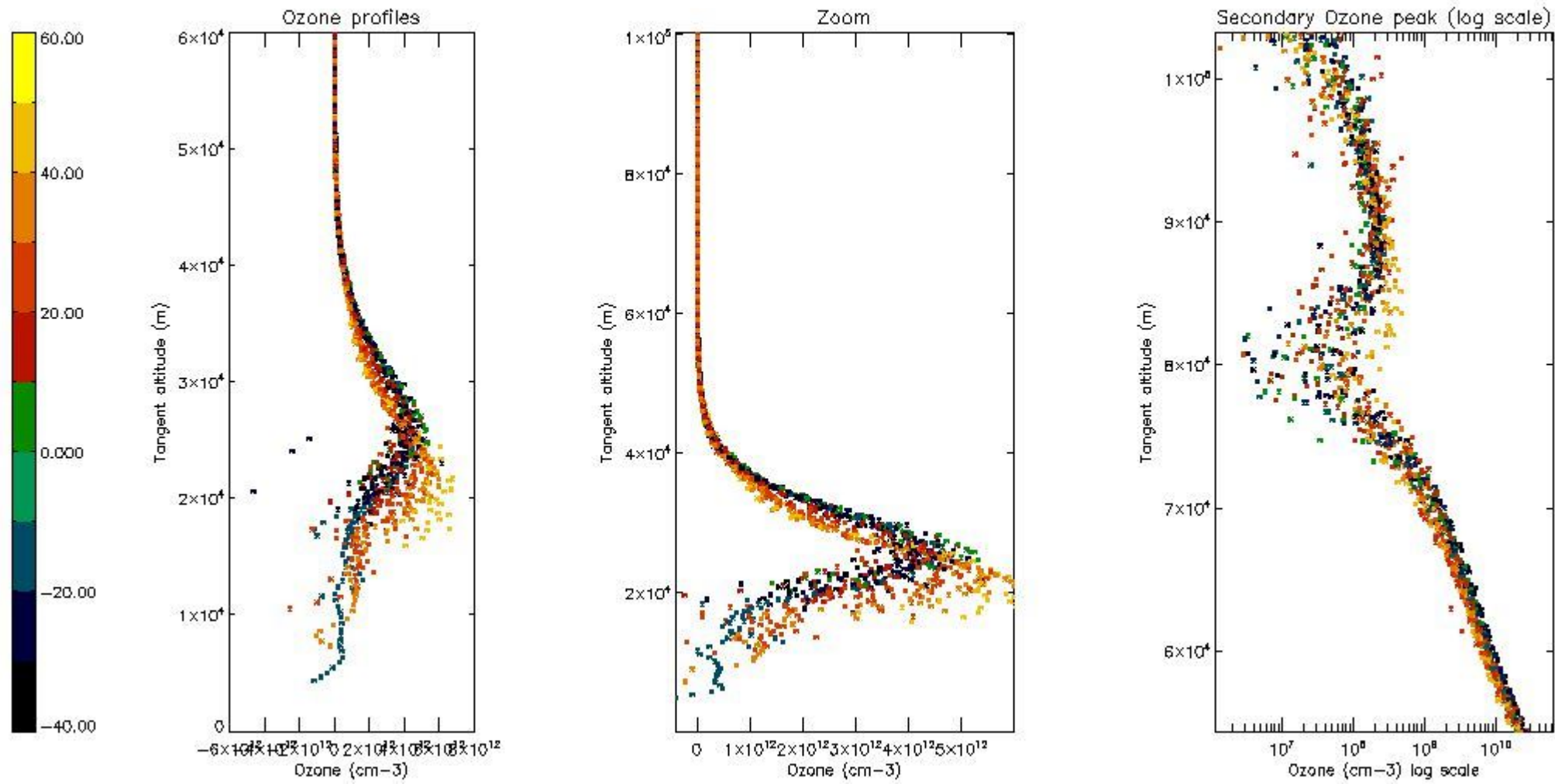
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	27
STD < 20	15

STD < 10	13
STD < 5	9

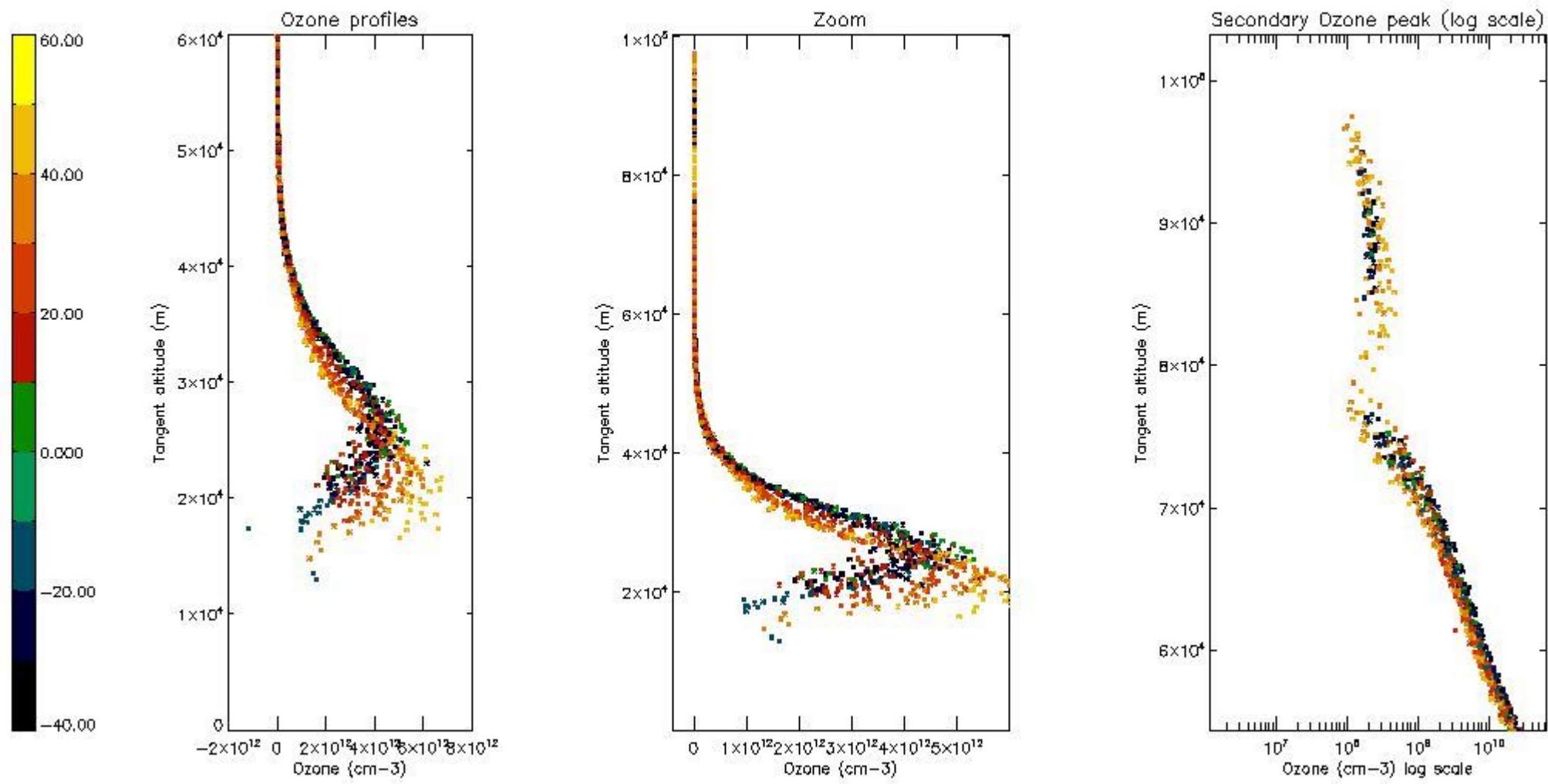
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

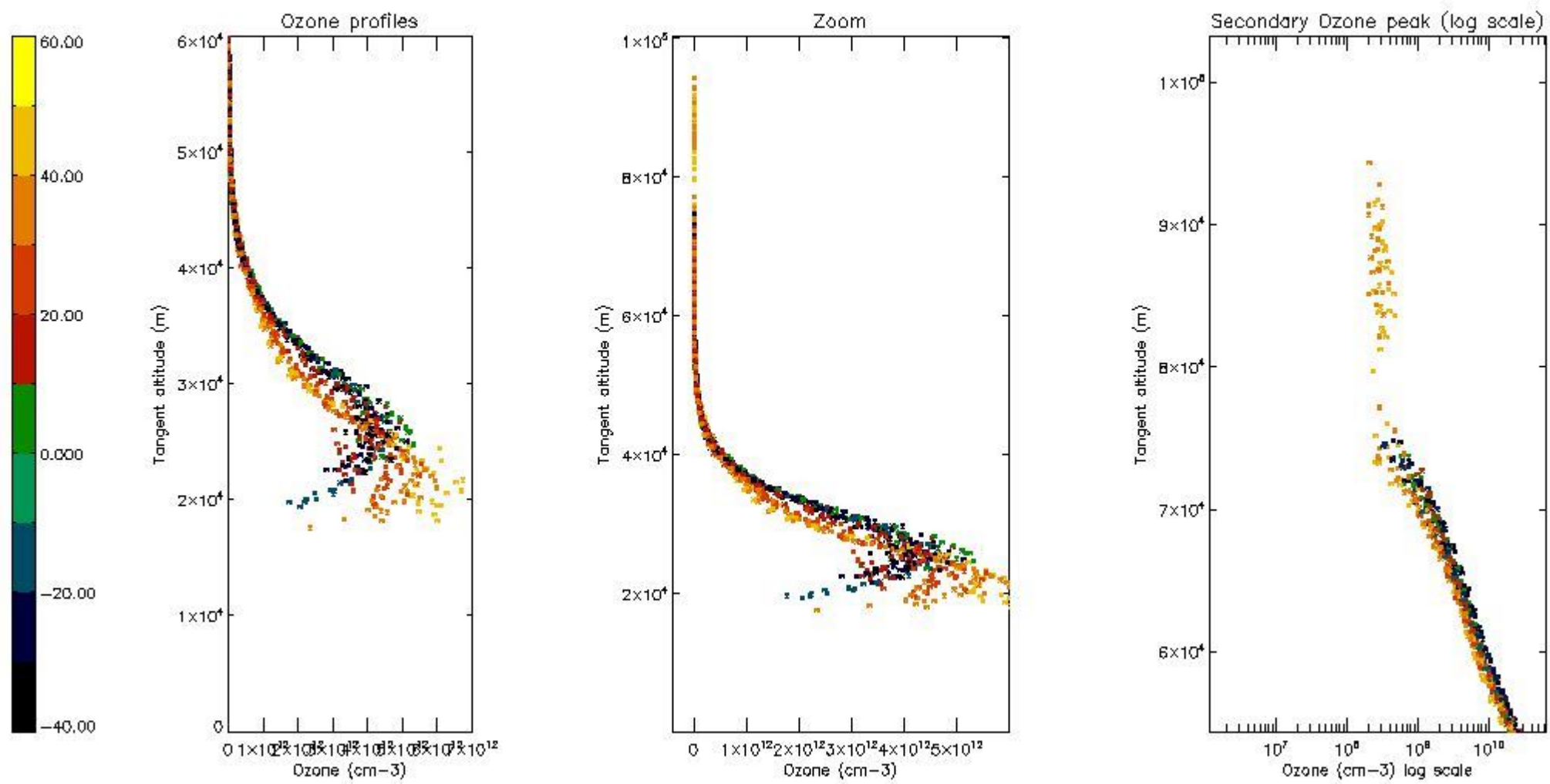
The colorbar represents the latitude.



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

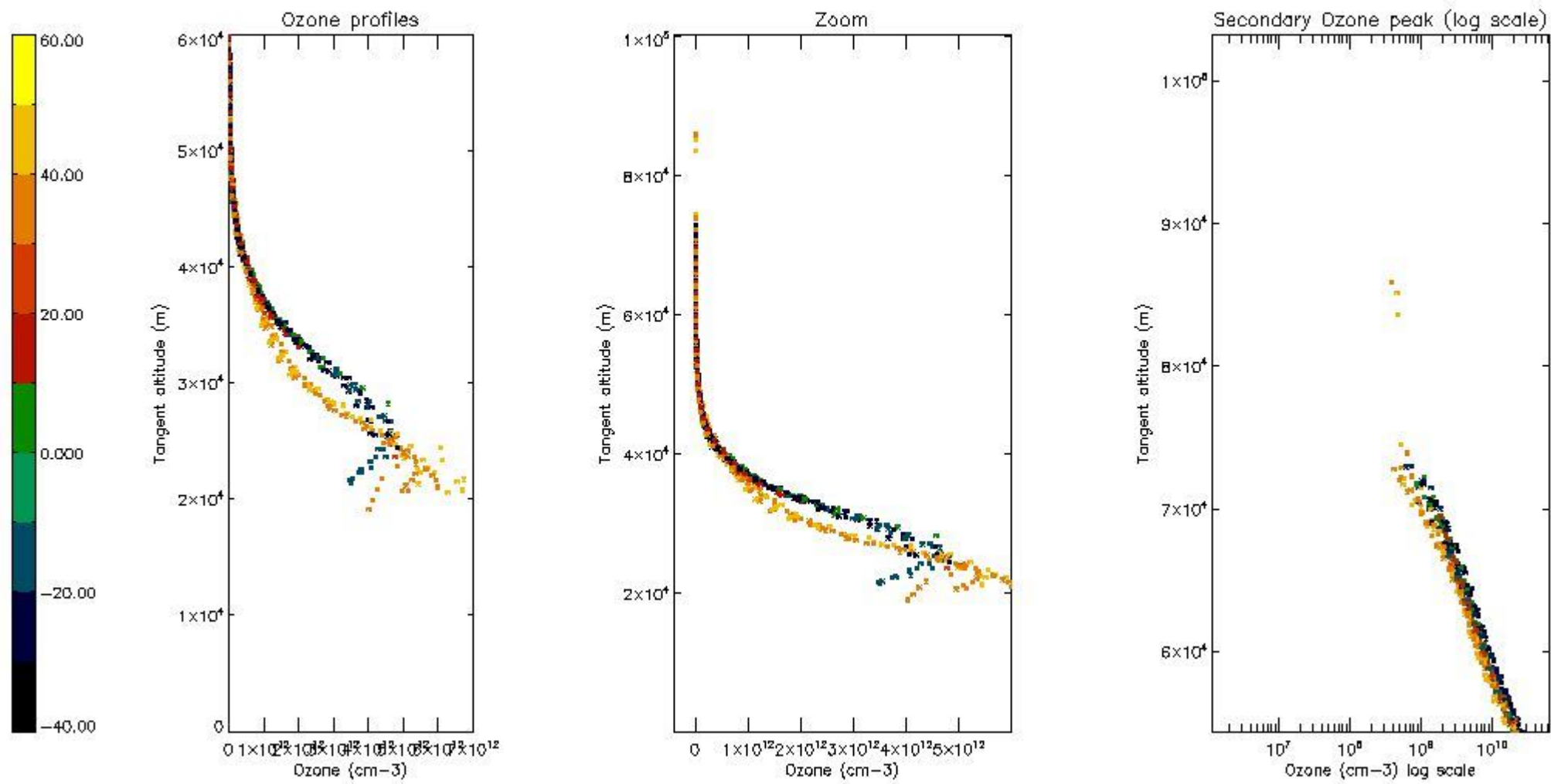
The colorbar represents the latitude.





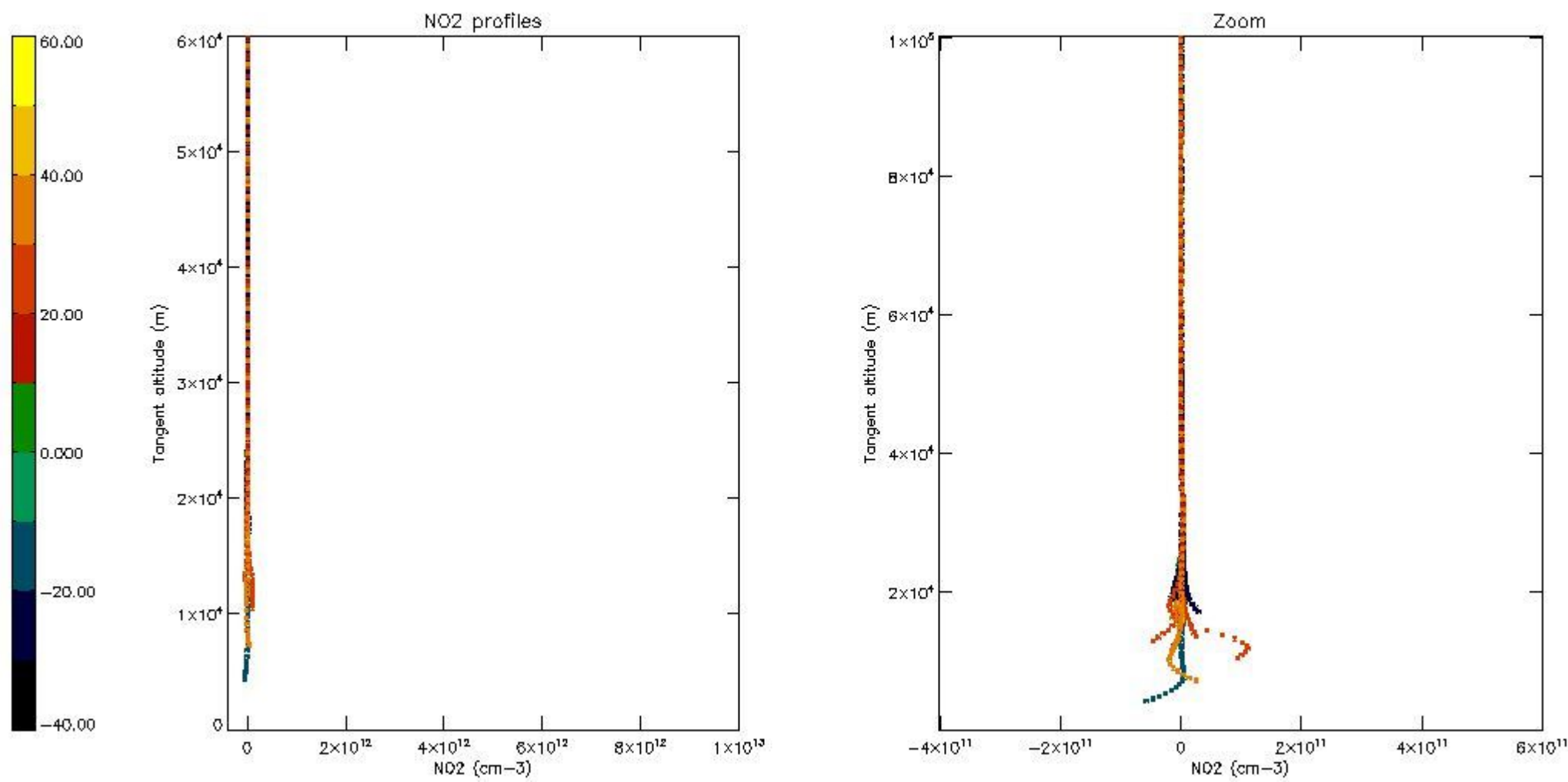
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



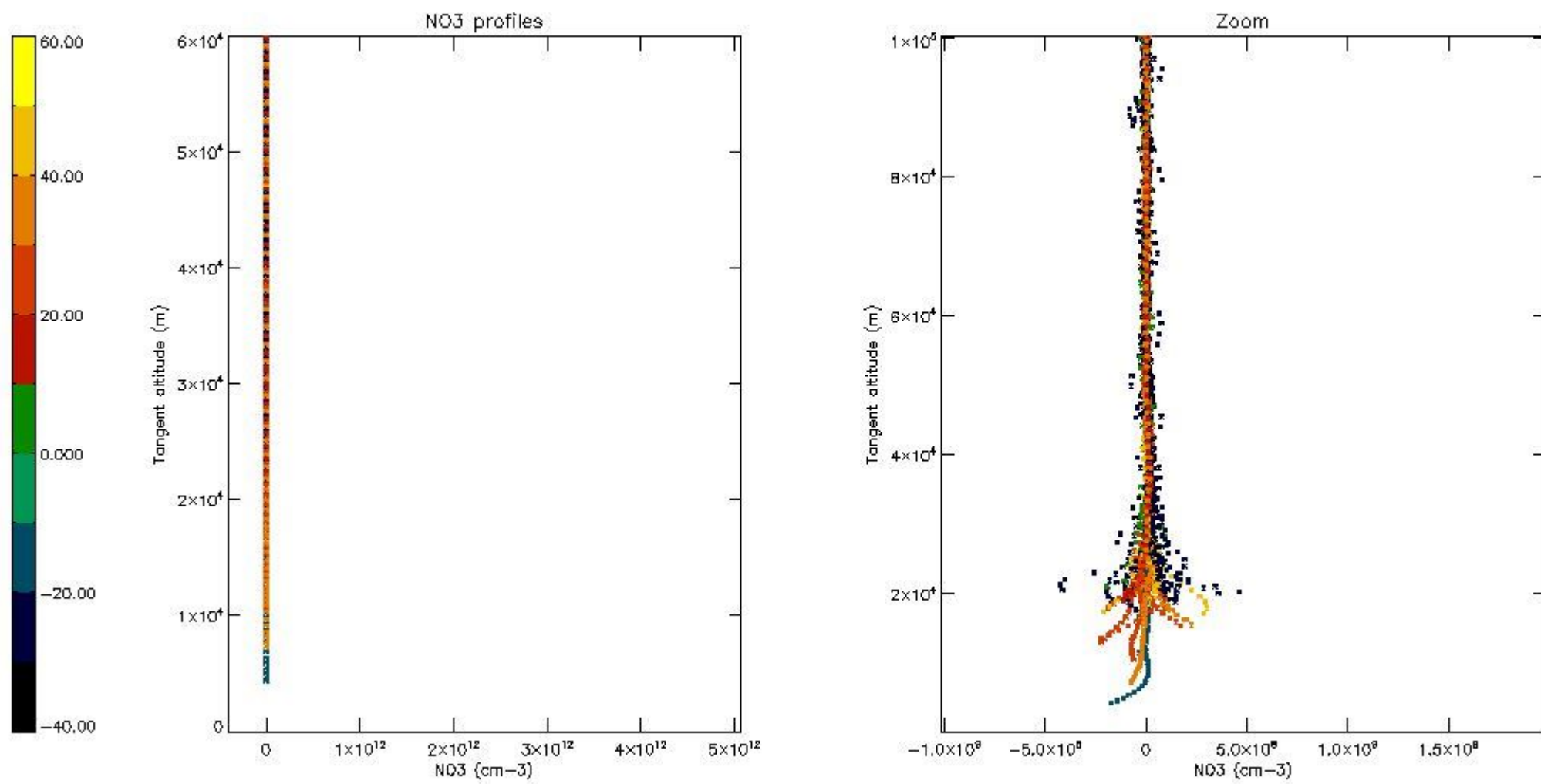
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



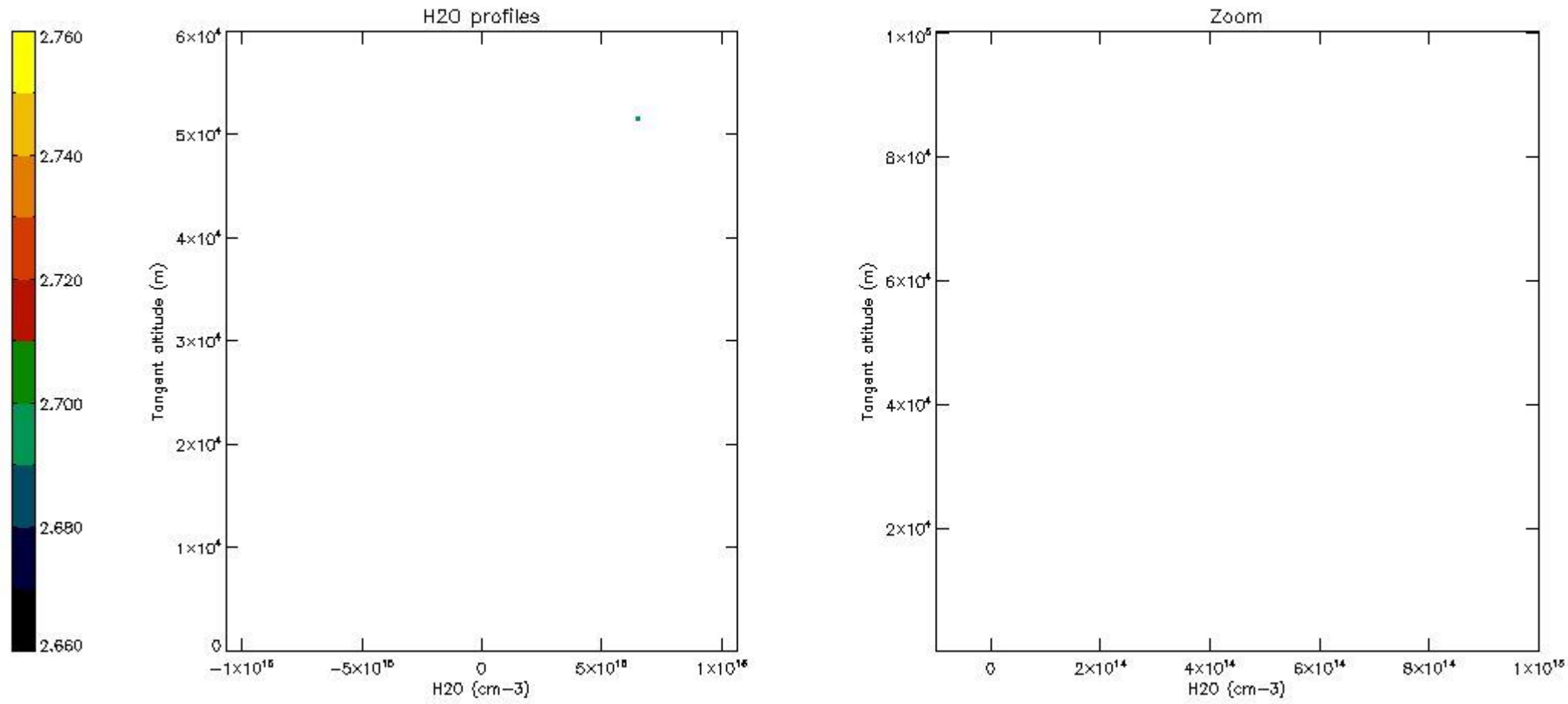
*5.7 Plot NO3 profiles for all STD (dark without errors)*

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.

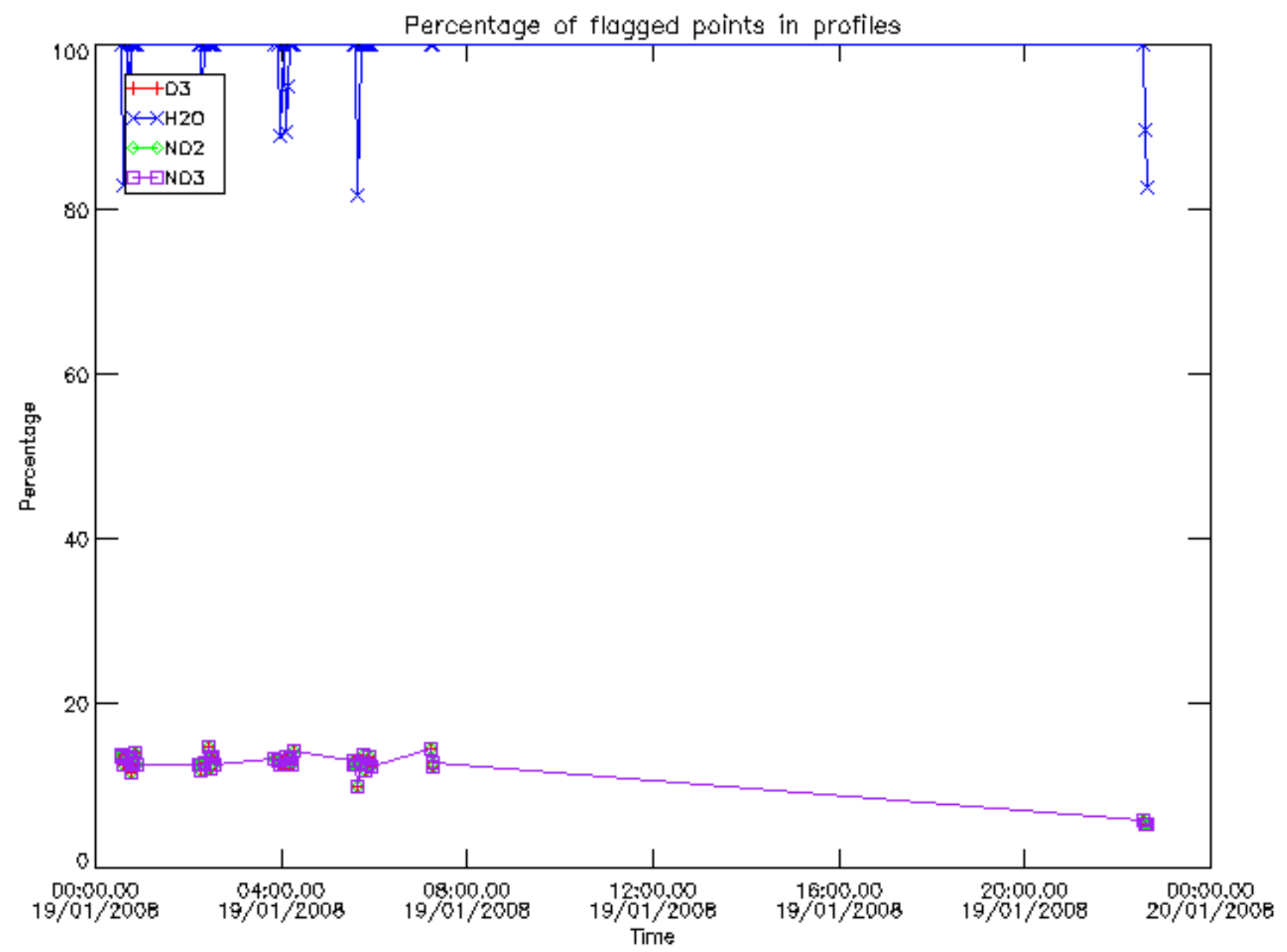


## 6. Auxiliary Data Files used for the production reported in section 2

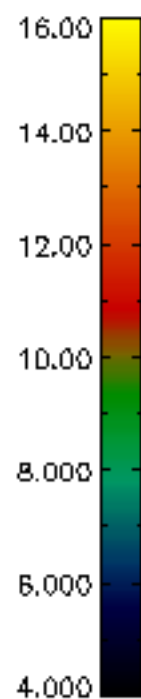
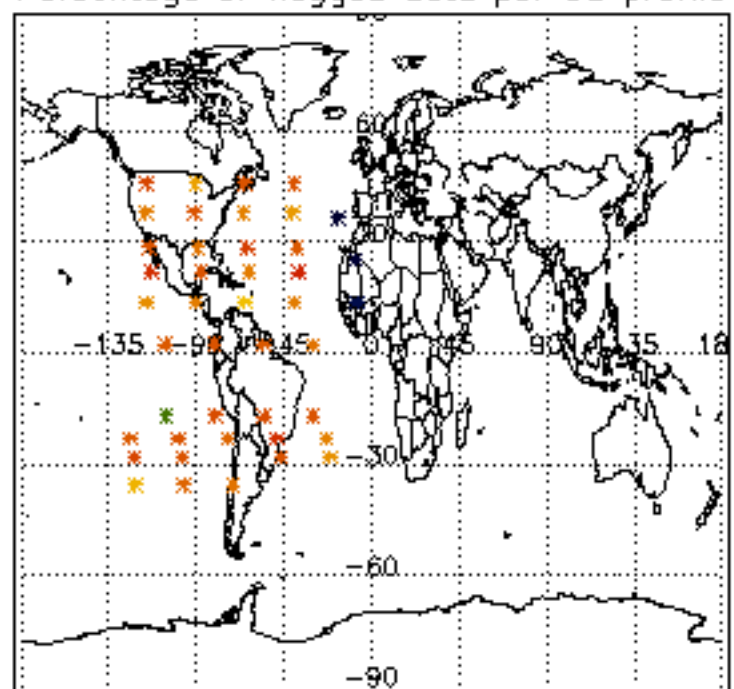
The number reported in the third column indicates since which file (see list in section 2) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	19-JAN-2008 00:02:07
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	19-JAN-2008 00:02:07
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	19-JAN-2008 00:02:07

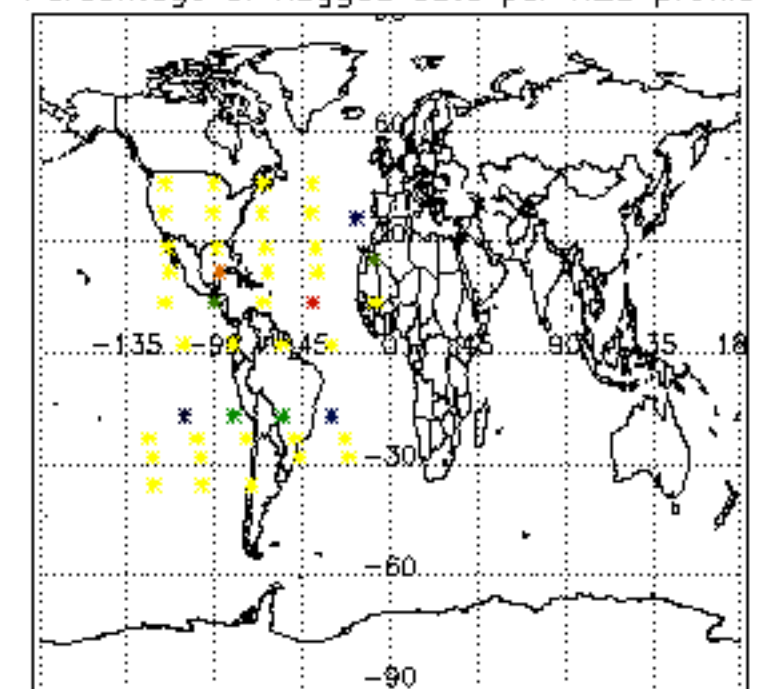




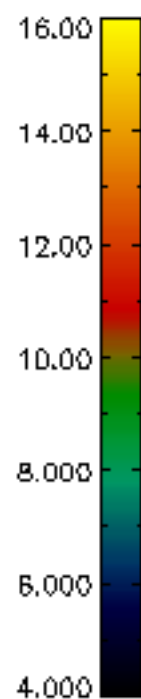
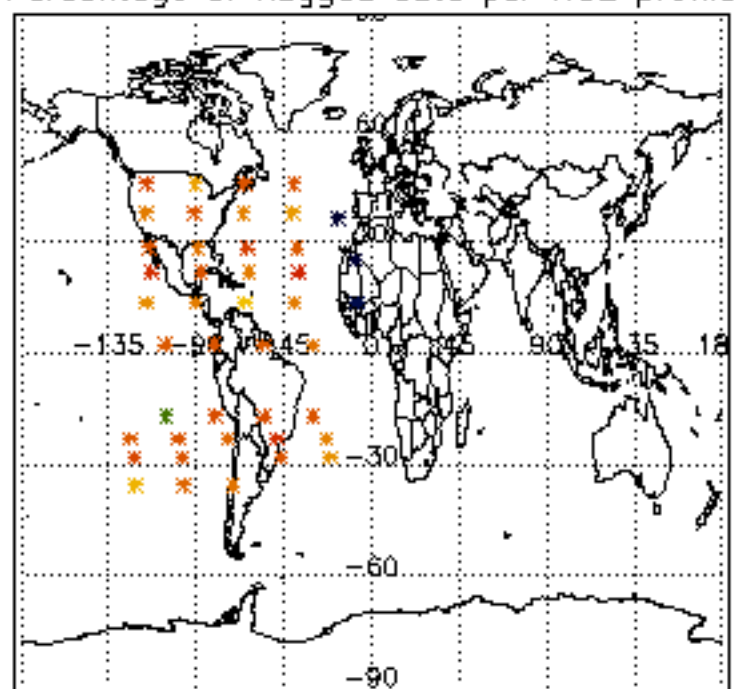
Percentage of flagged data per D3 profile



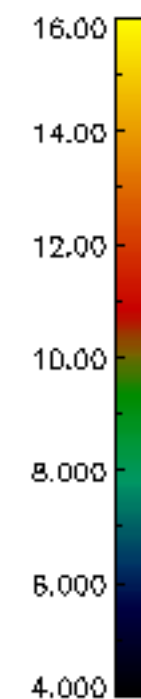
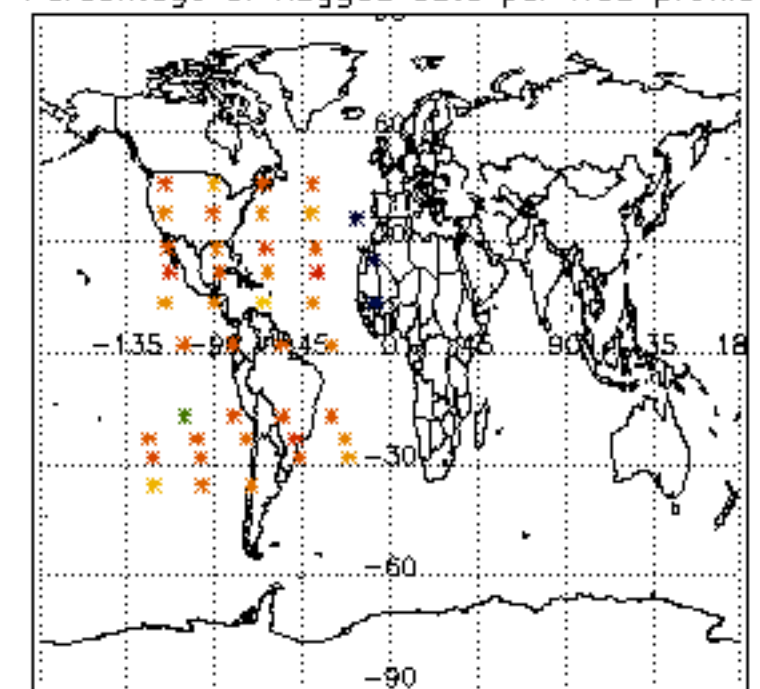
Percentage of flagged data per H2O profile

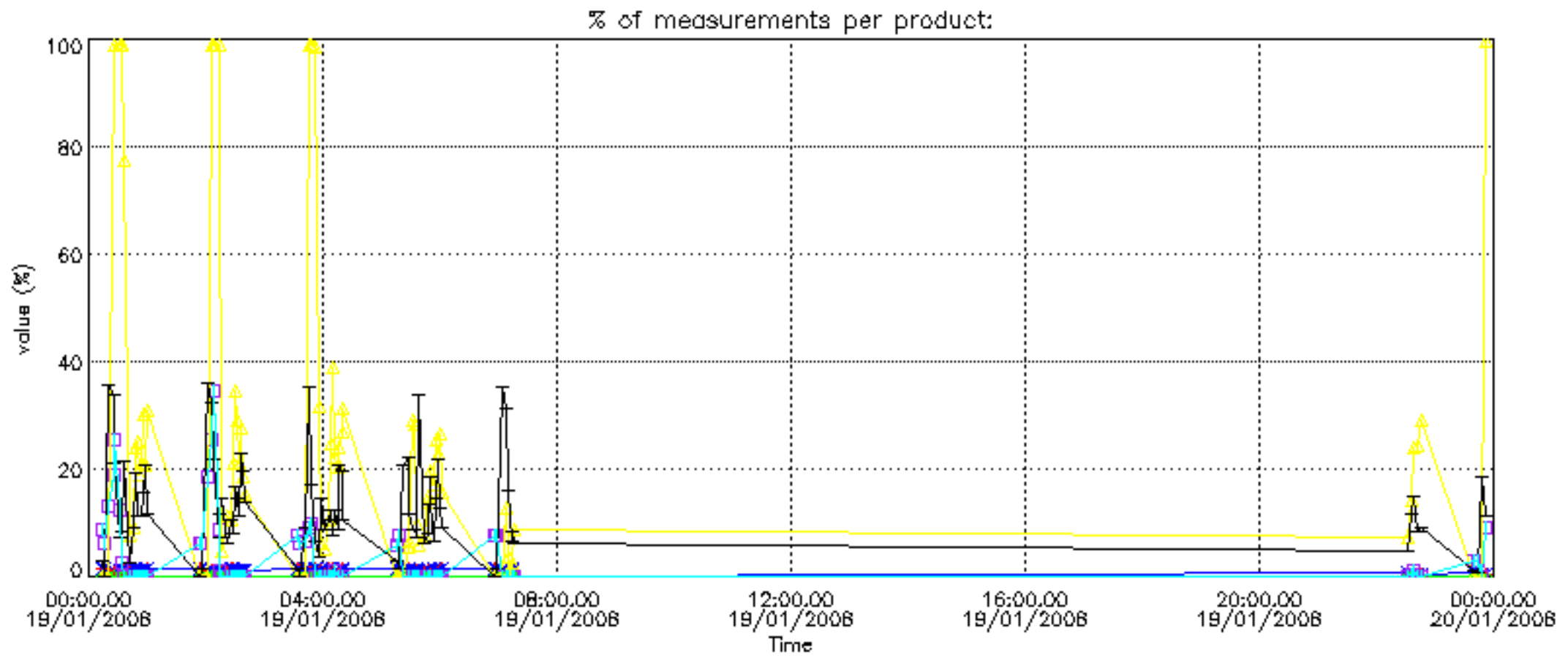


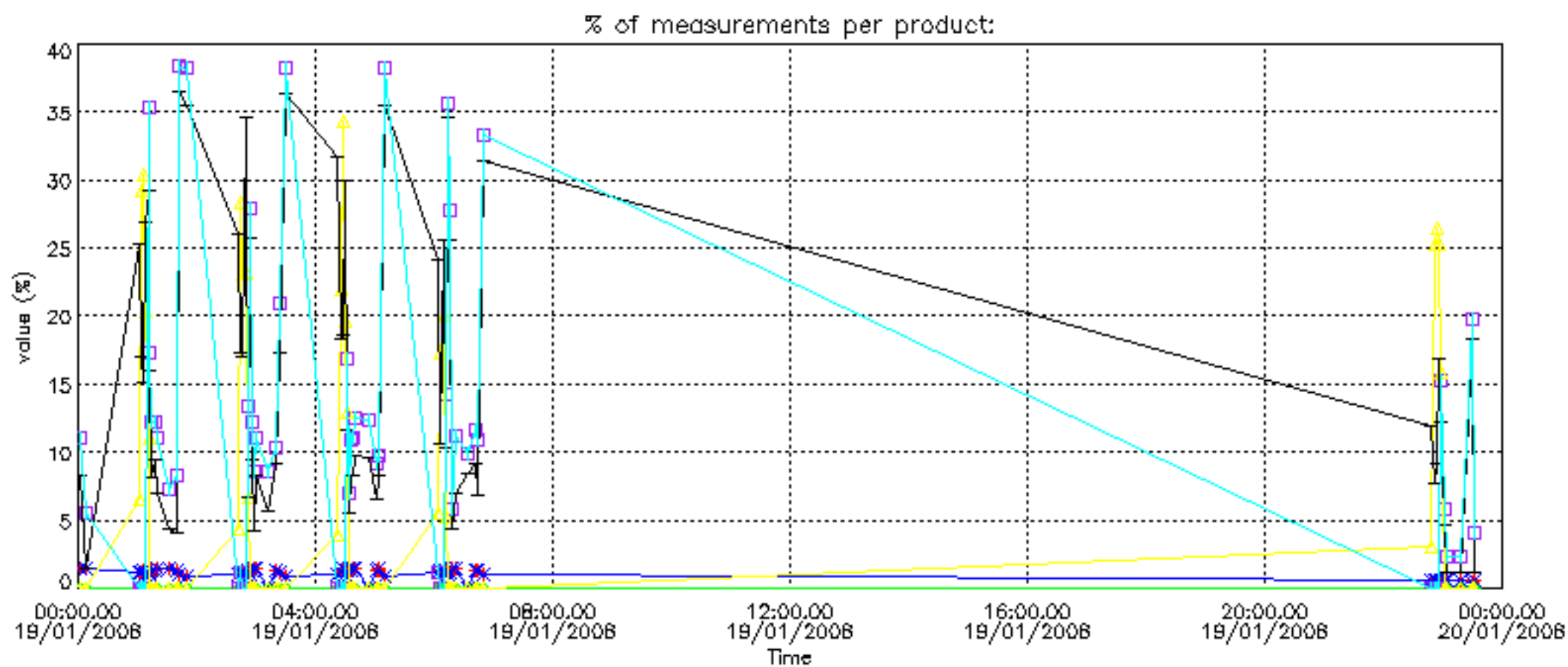
Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

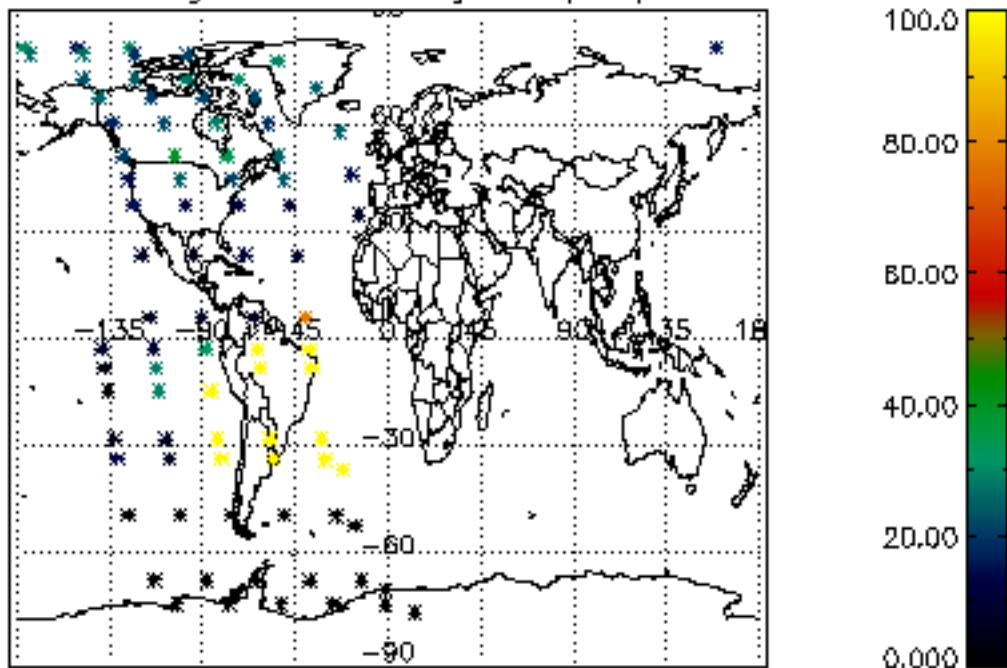




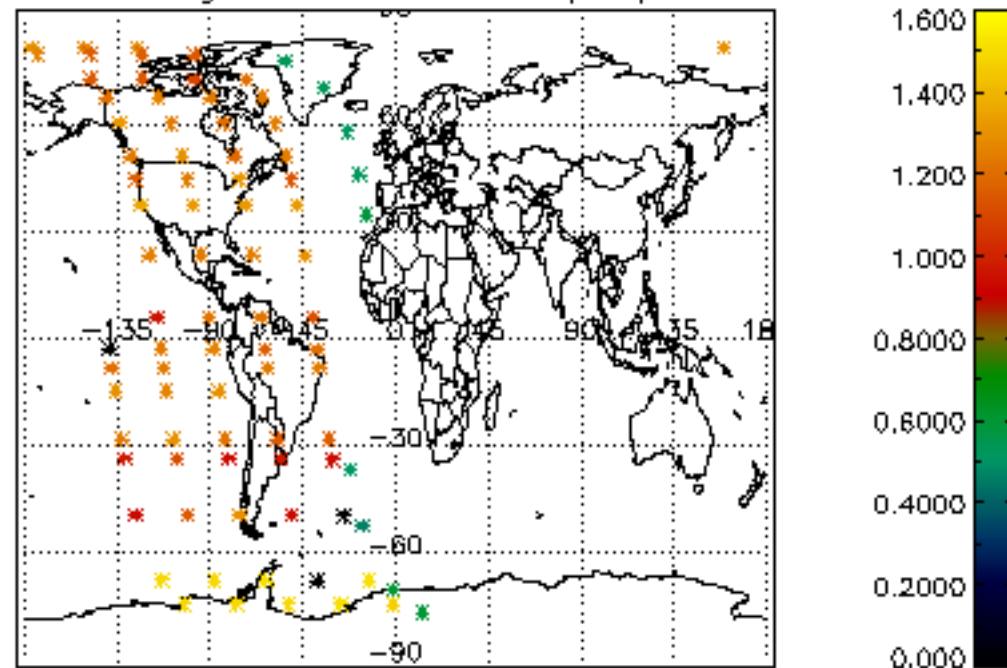




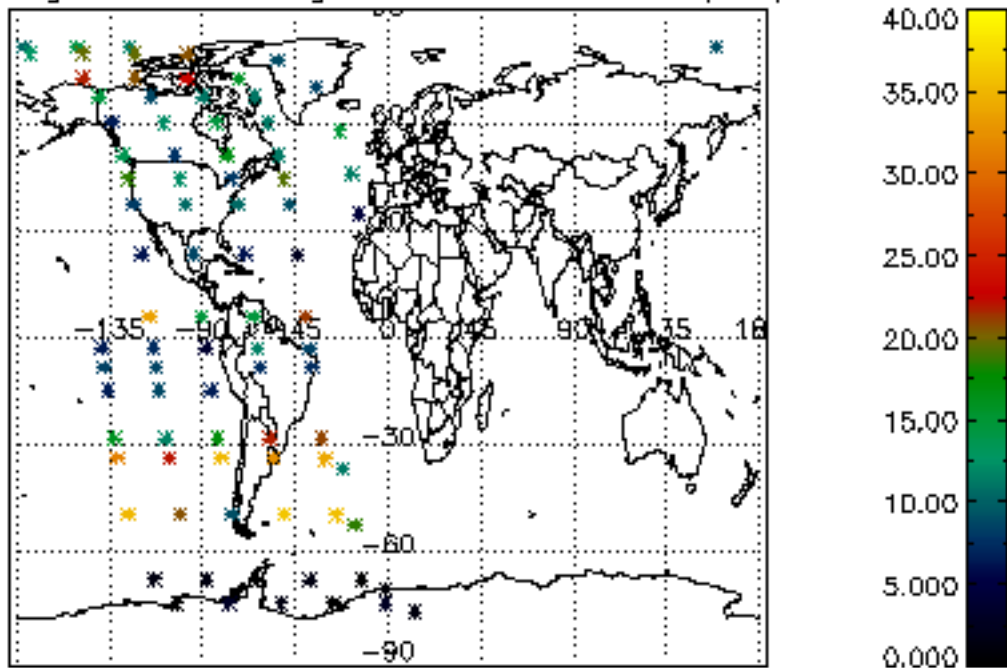
Percentage of cosmic ray hits per profile



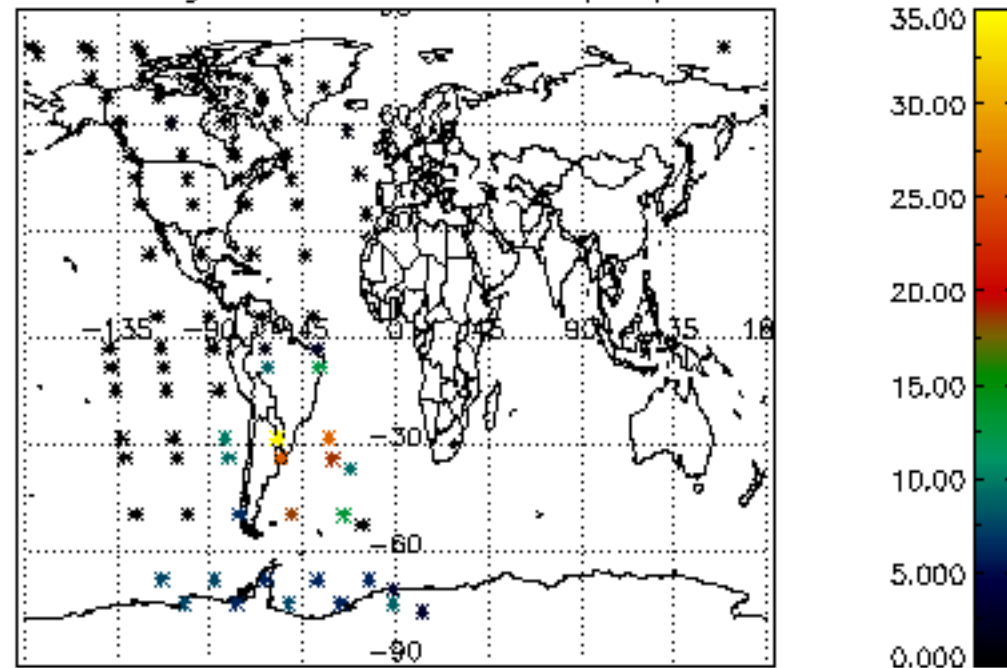
Percentage of datation errors per profile



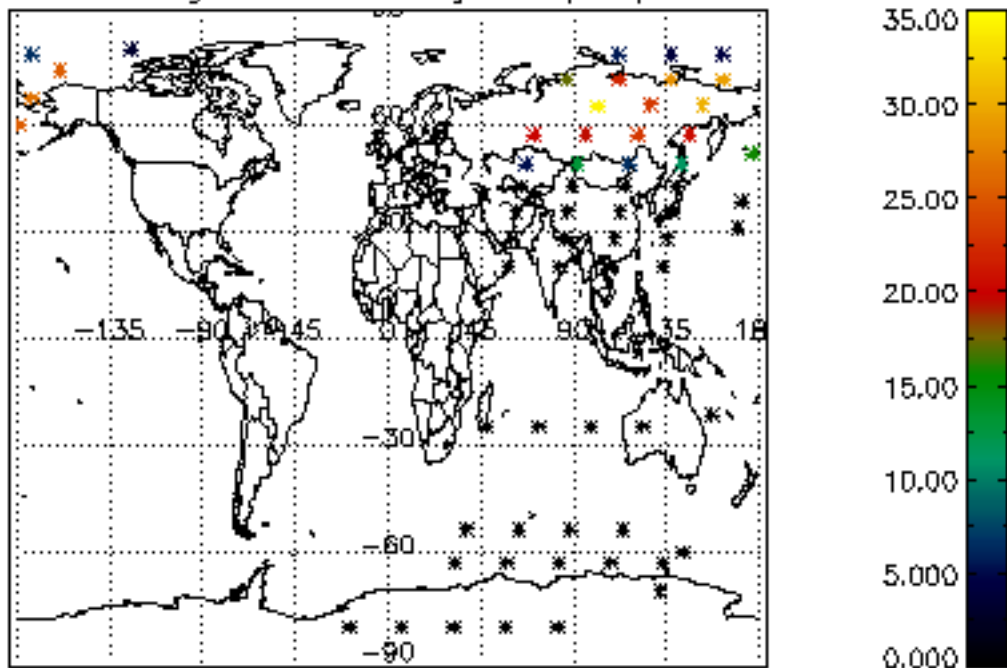
Percentage of star falling outside central band per profile



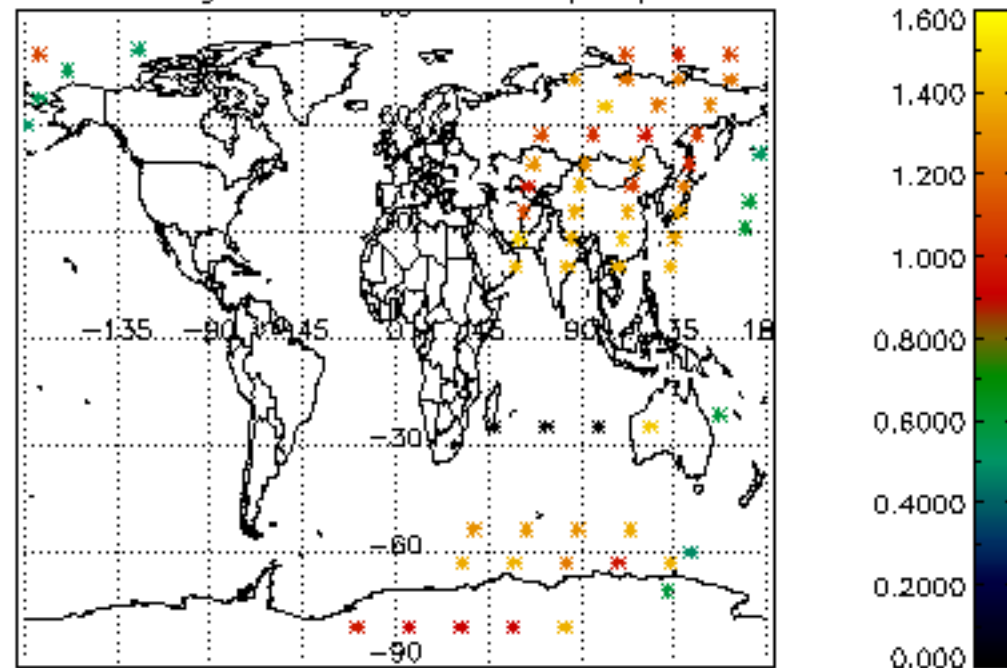
Percentage of saturation errors per profile



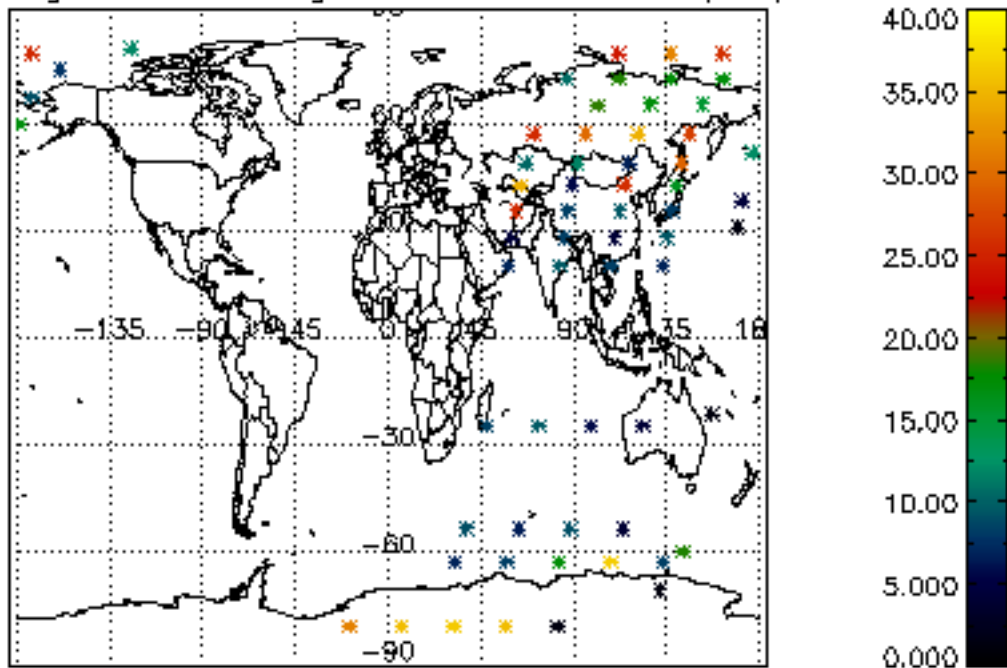
Percentage of cosmic ray hits per profile



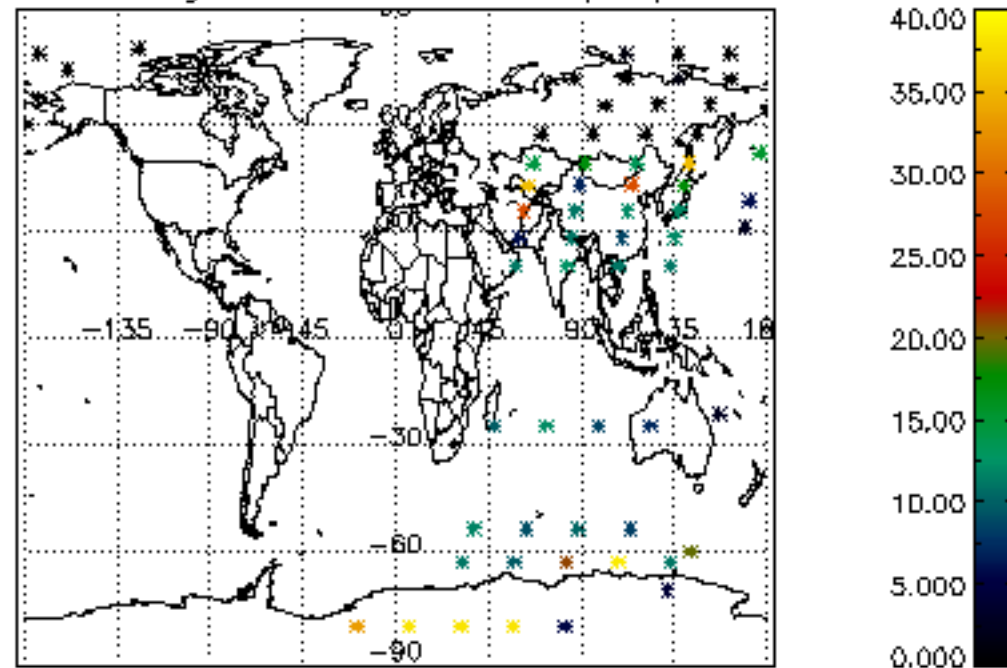
Percentage of datation errors per profile

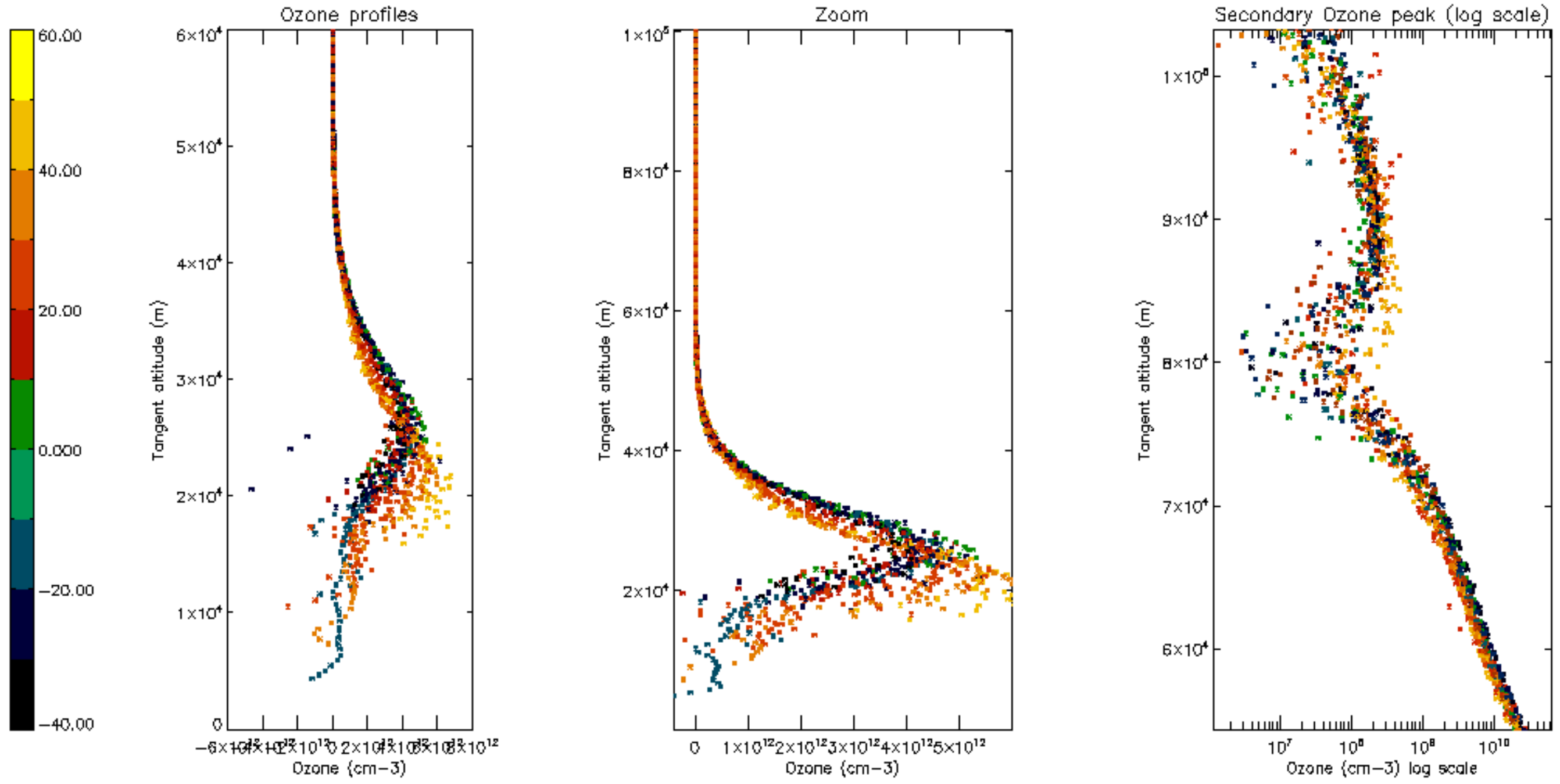


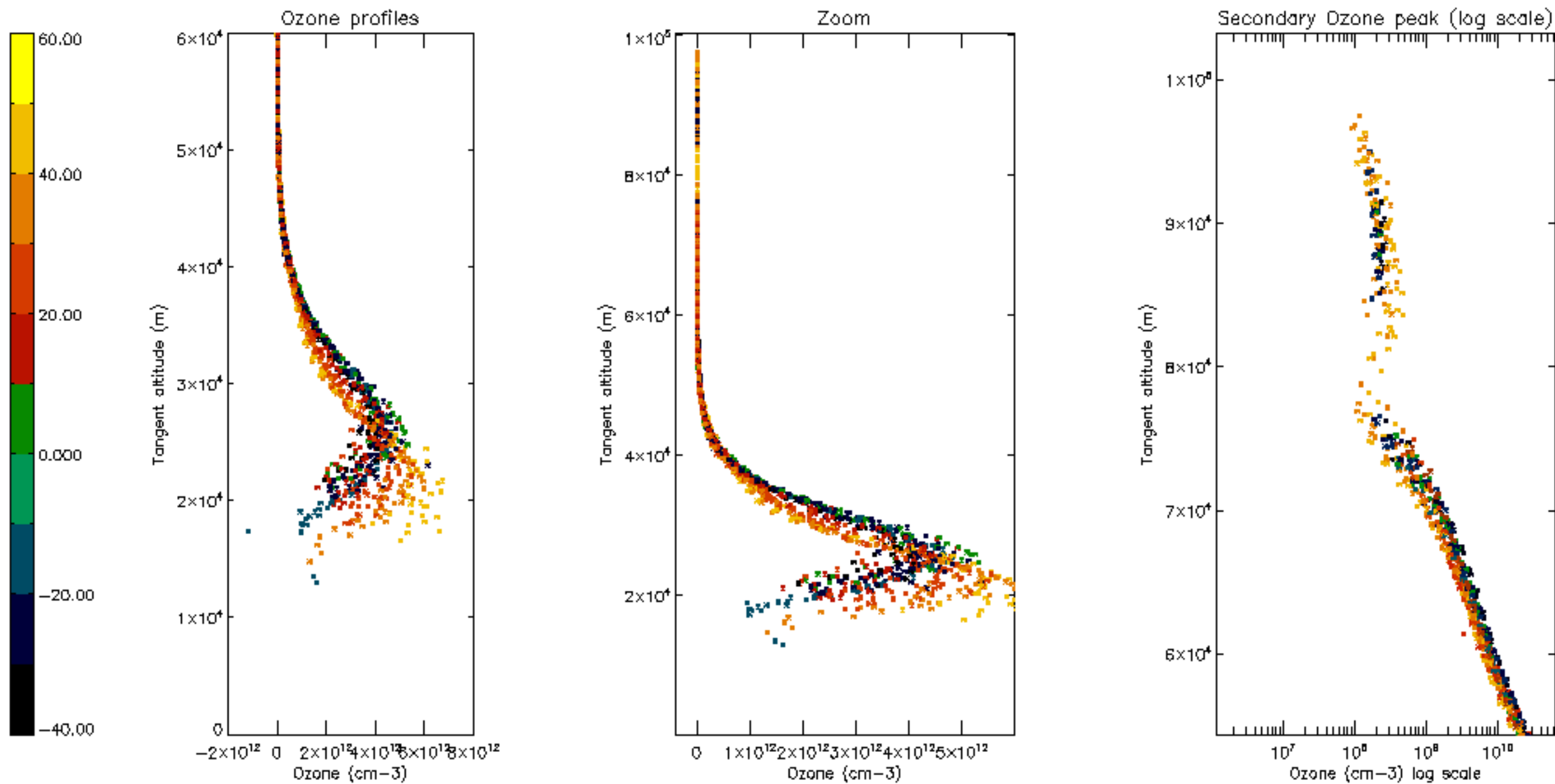
Percentage of star falling outside central band per profile



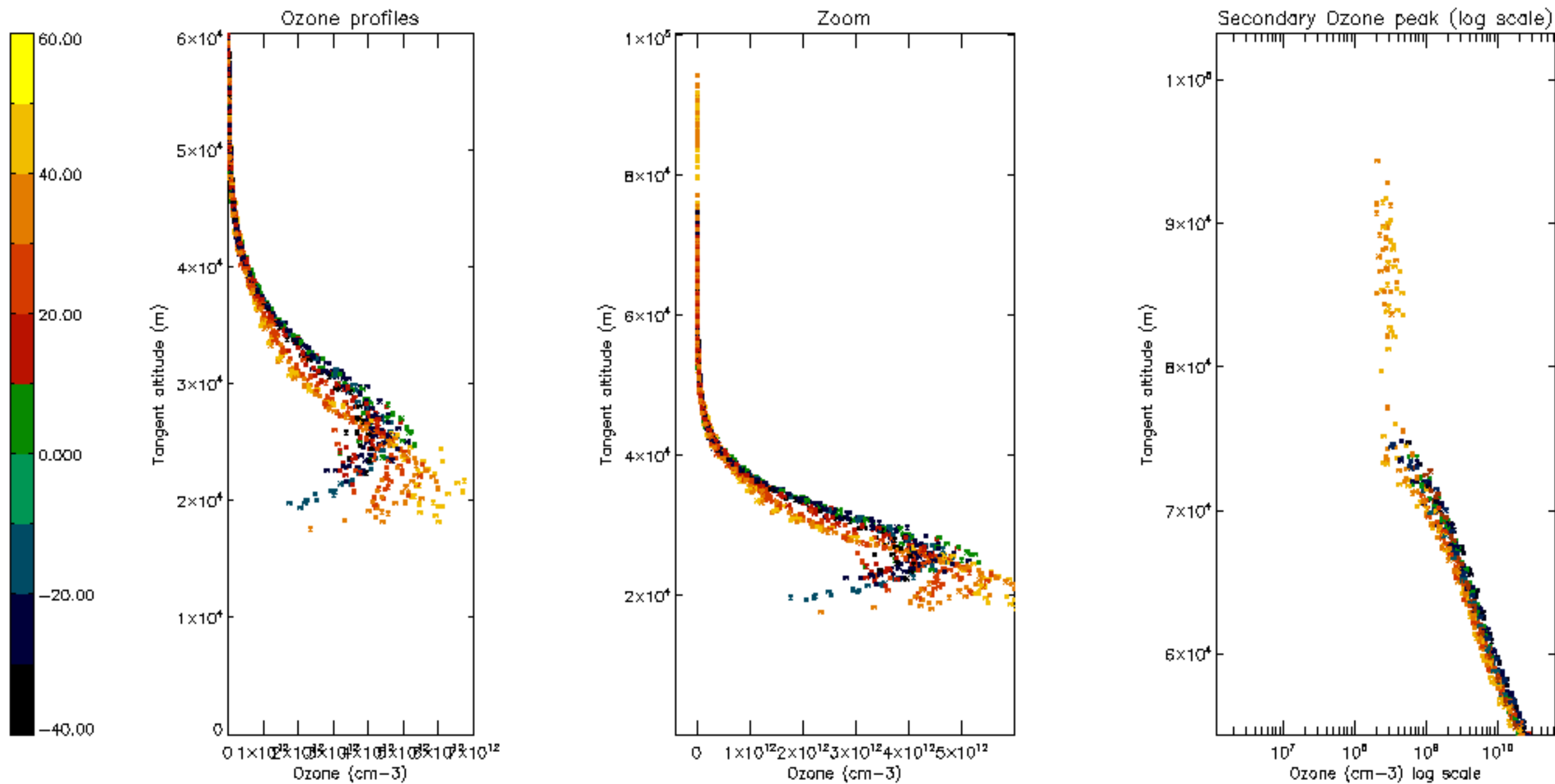
Percentage of saturation errors per profile

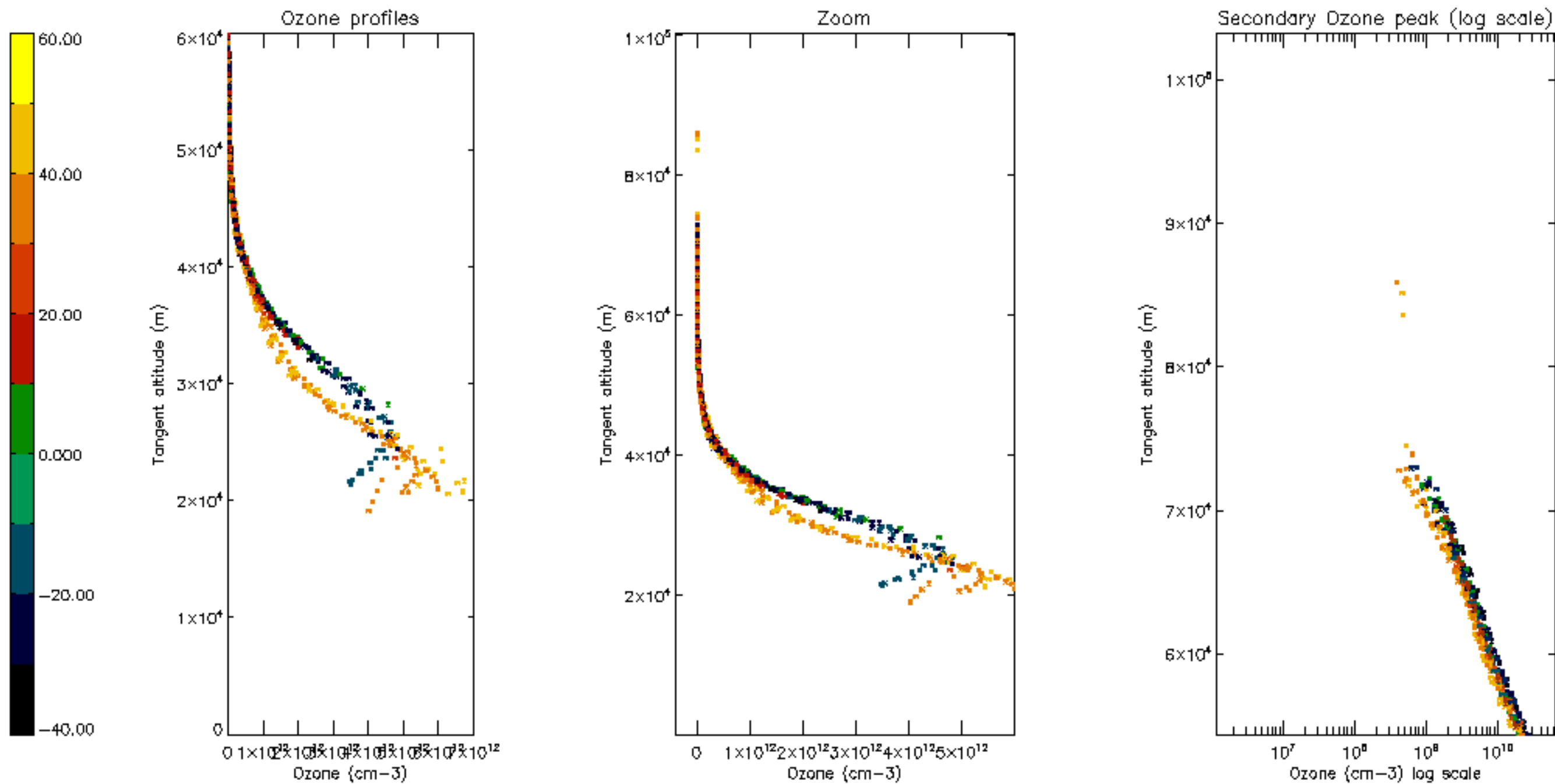


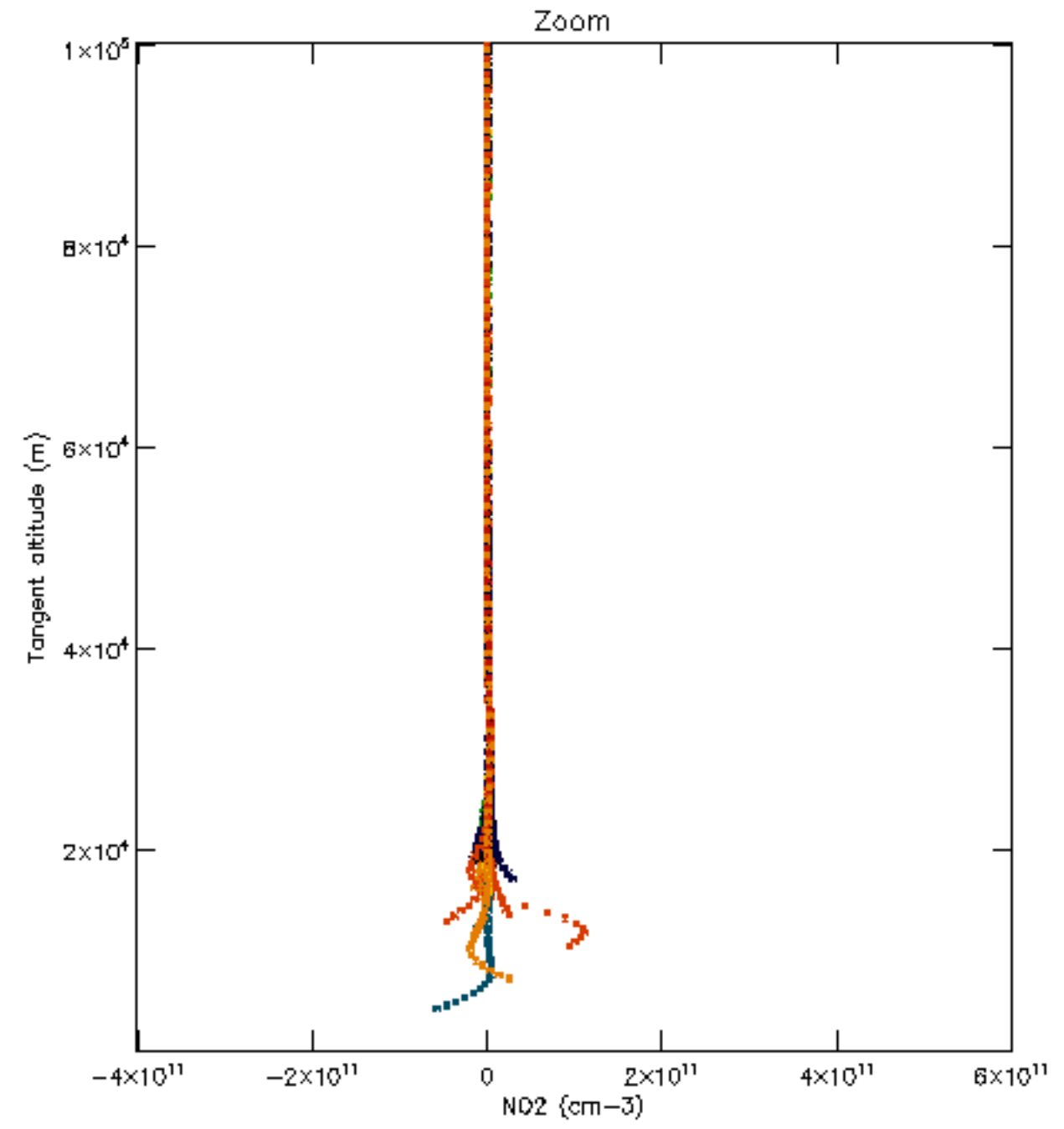
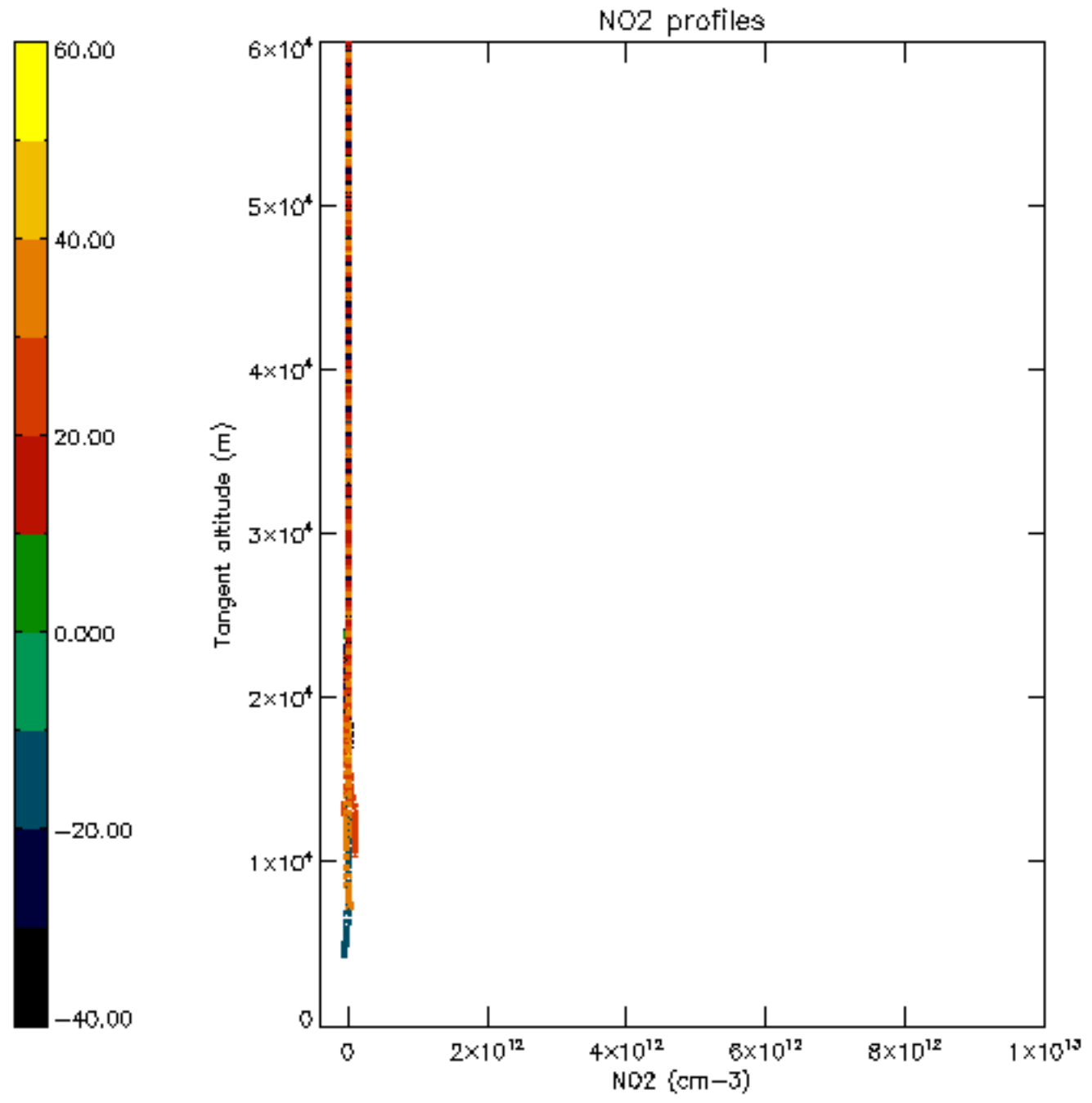


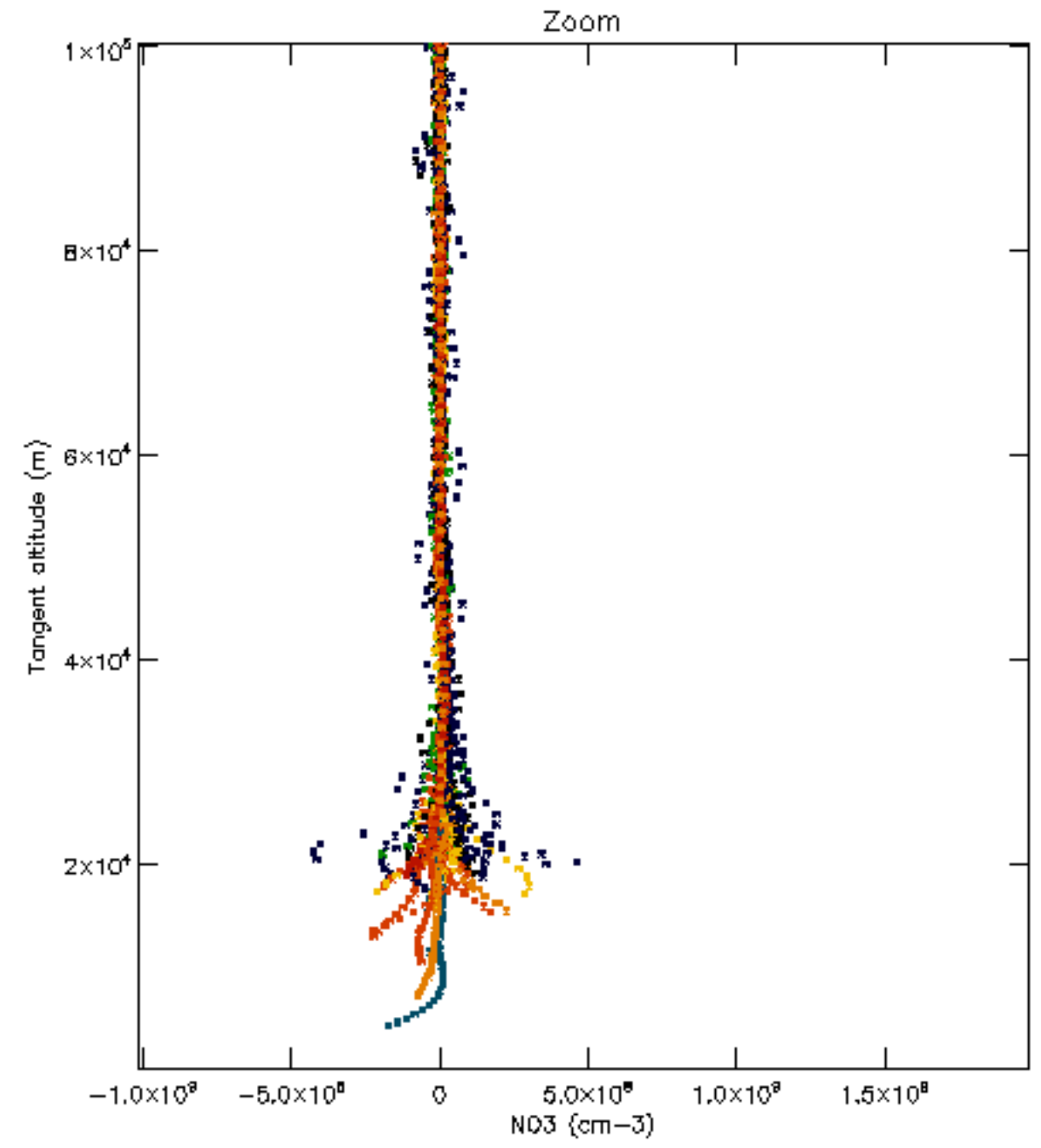
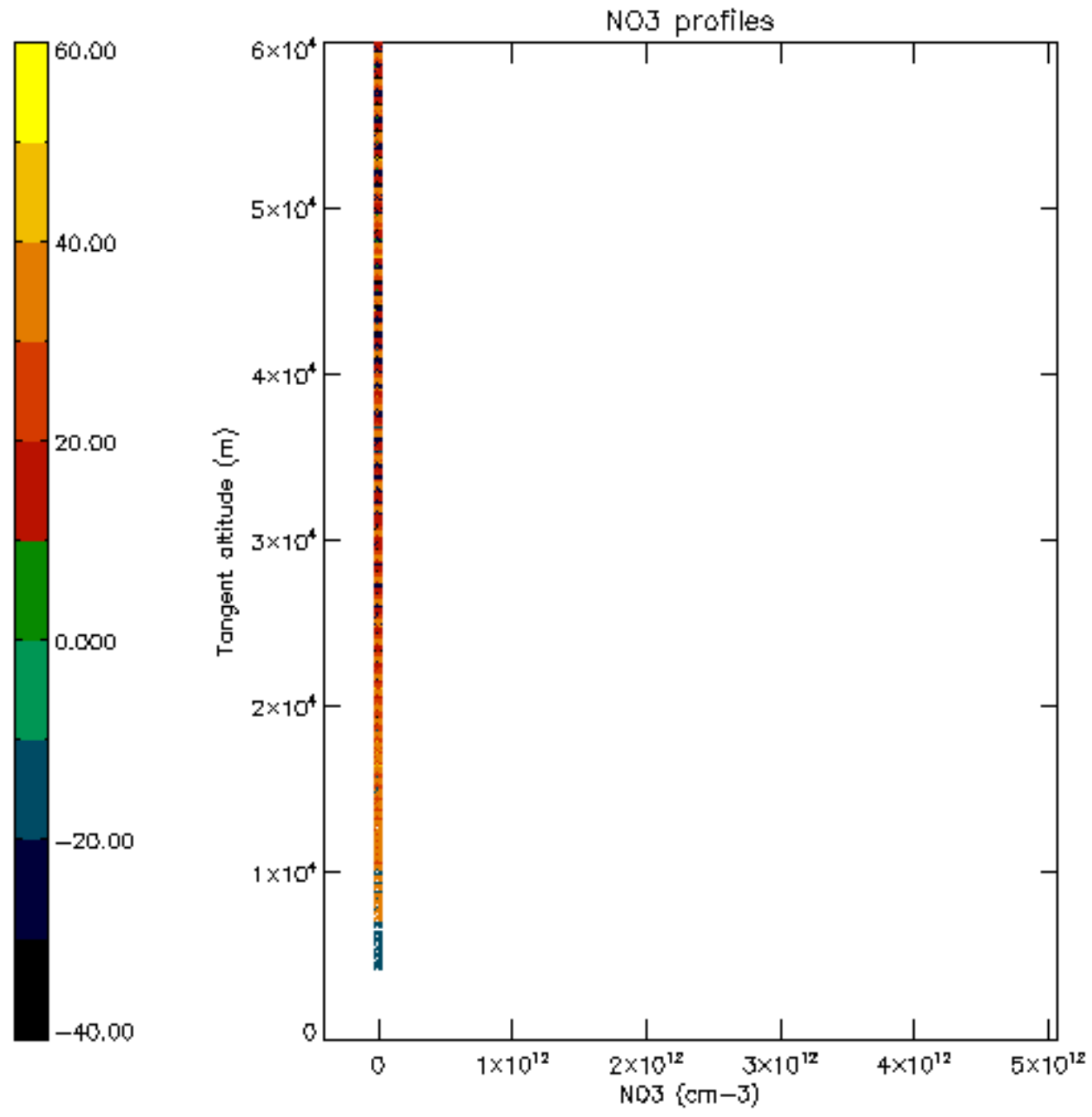




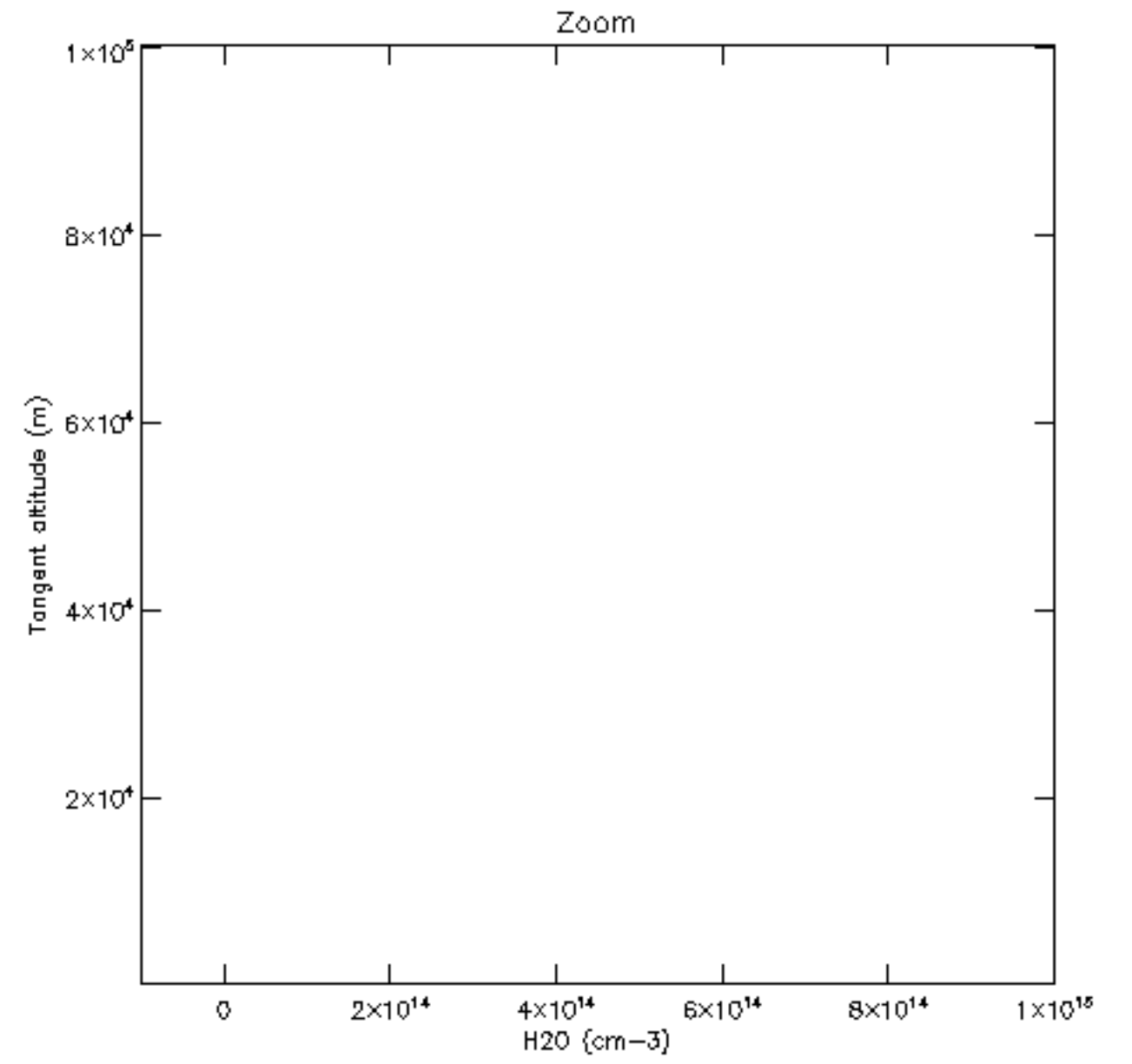
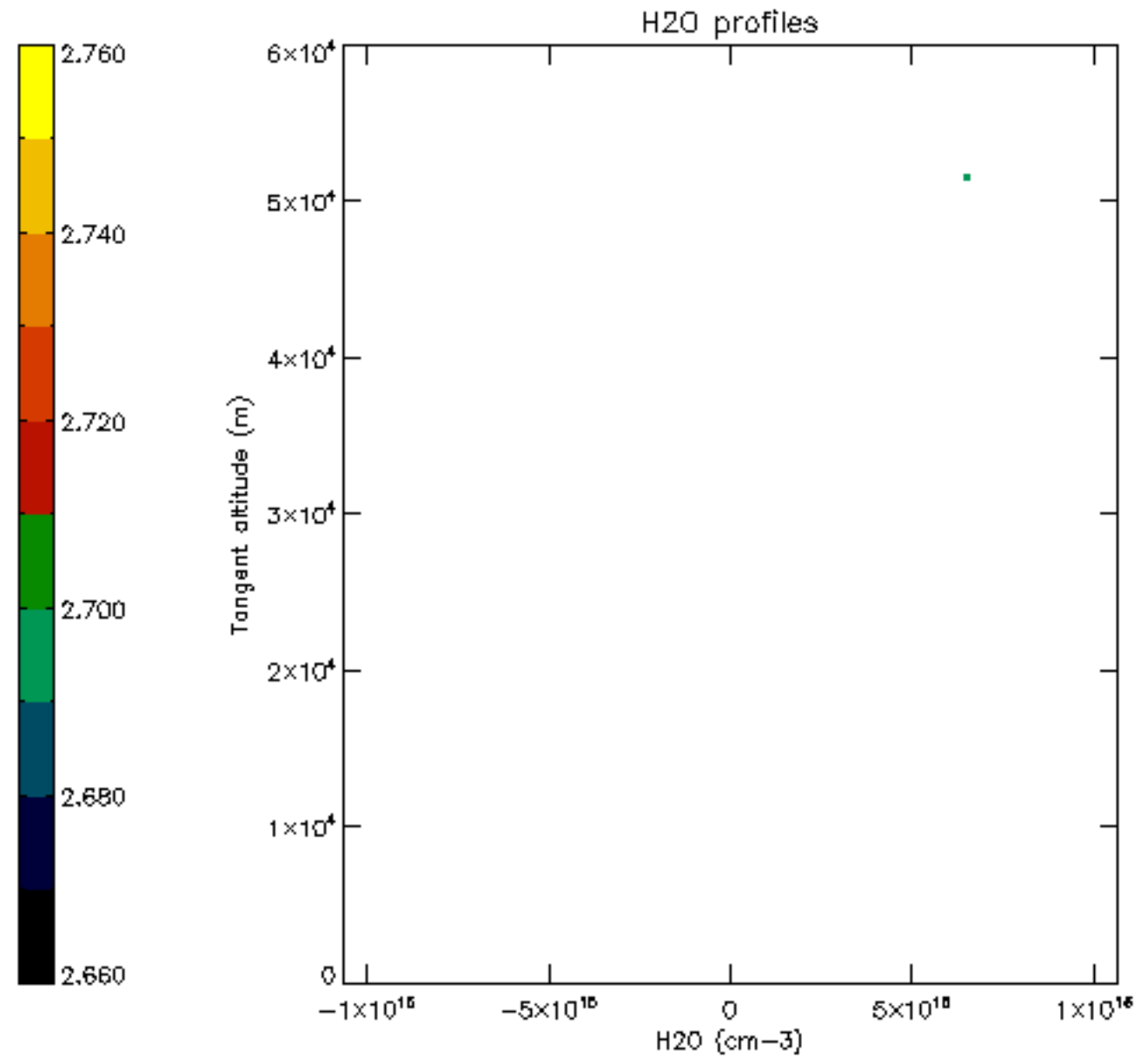


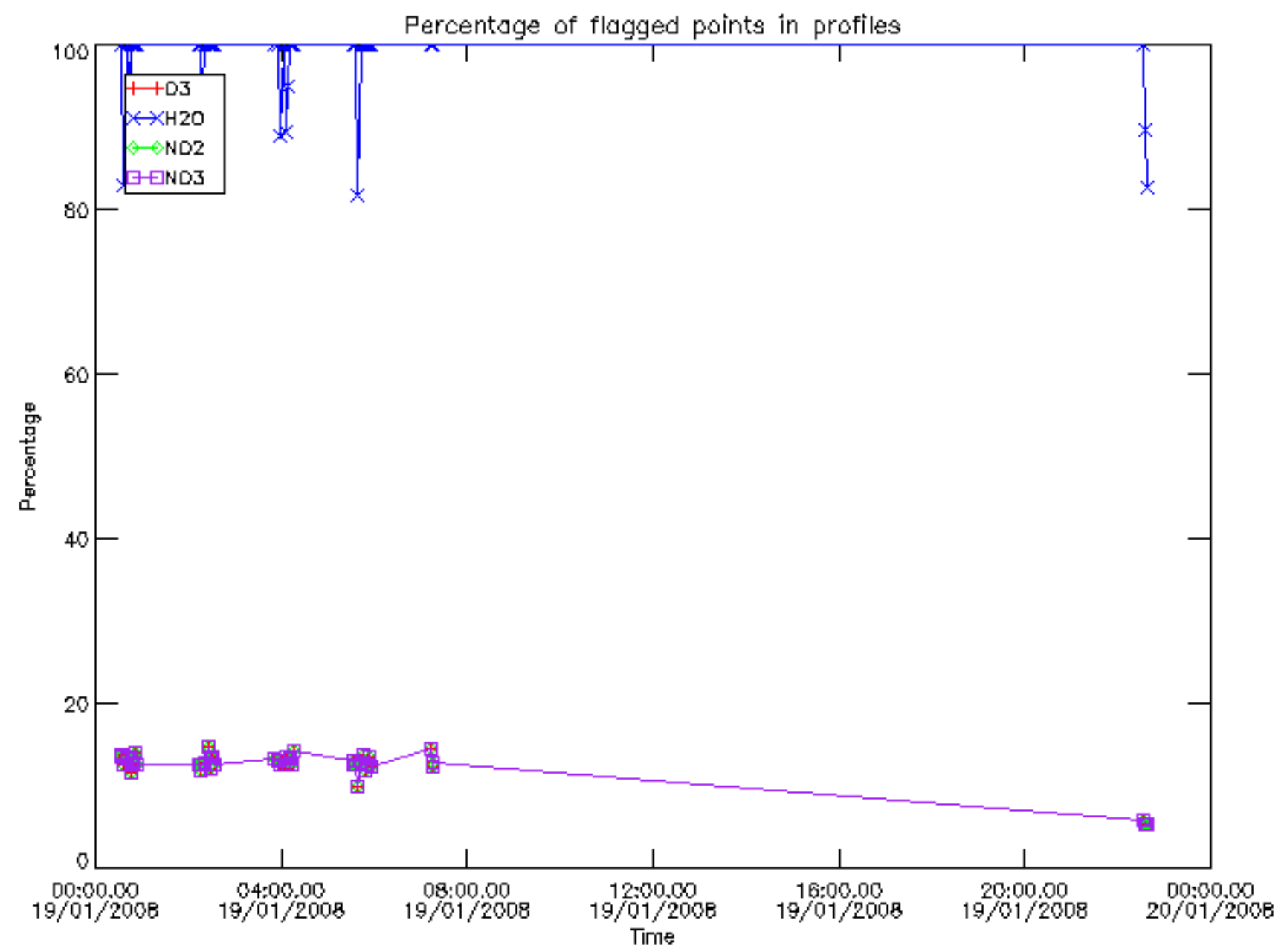




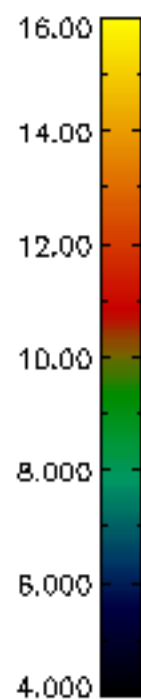
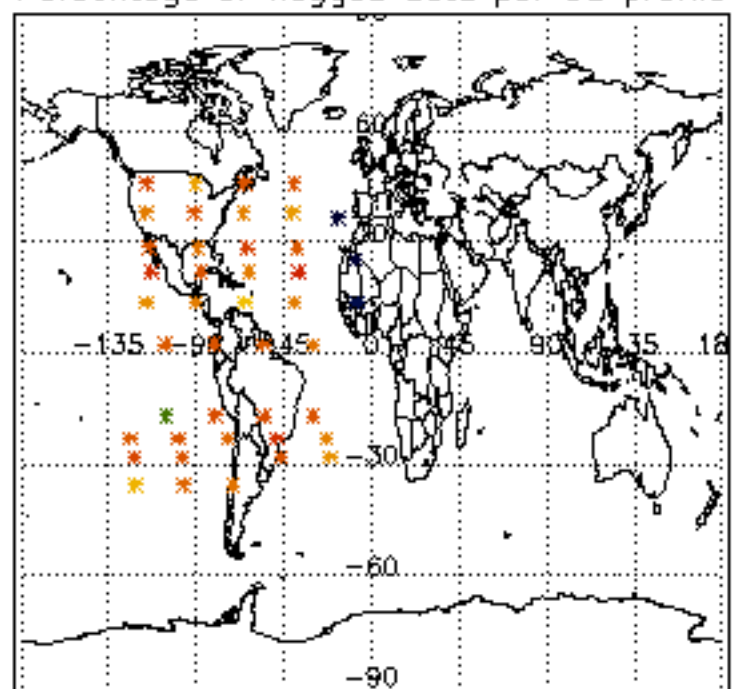




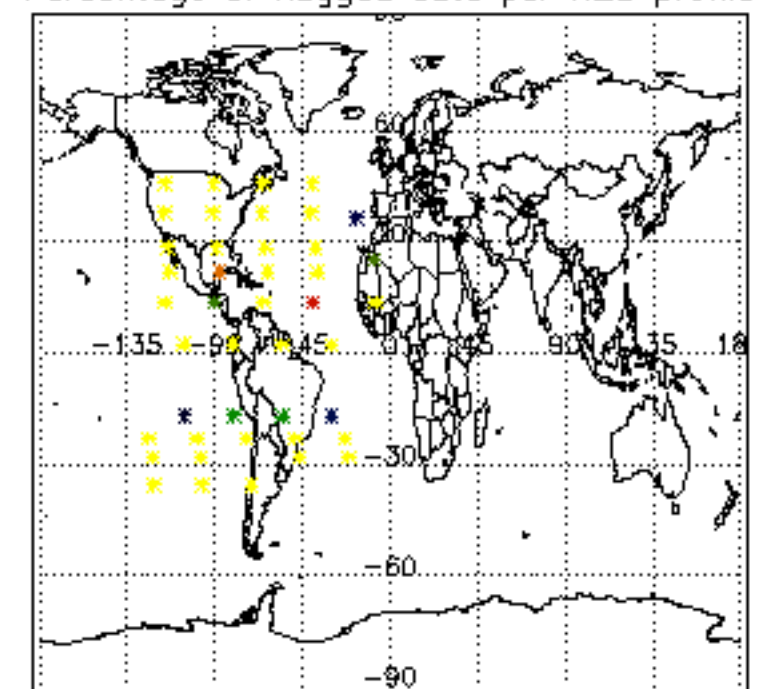




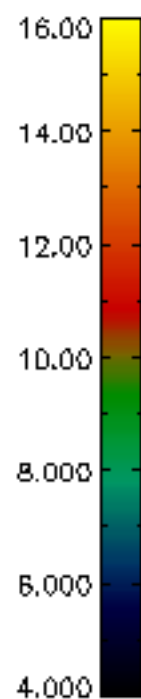
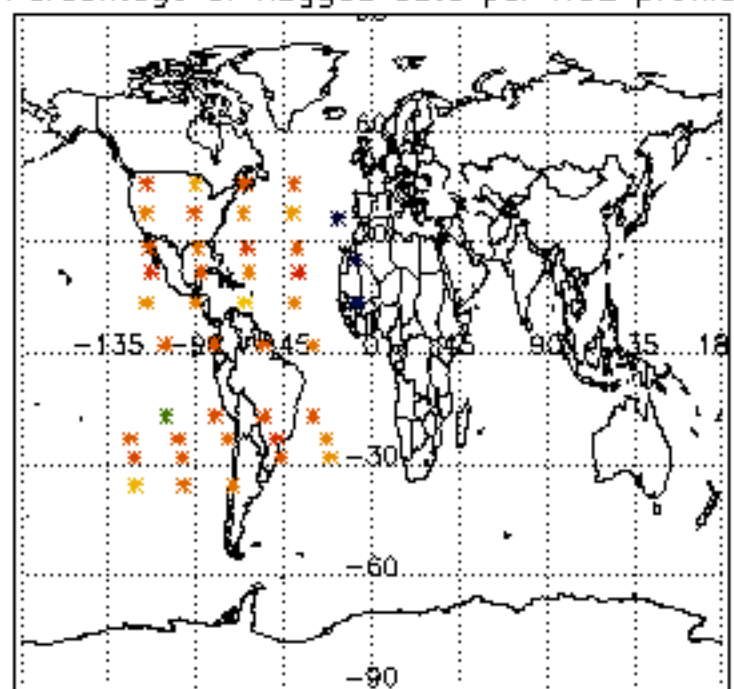
Percentage of flagged data per D3 profile



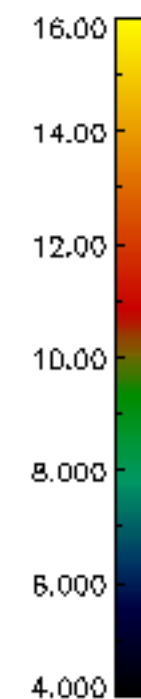
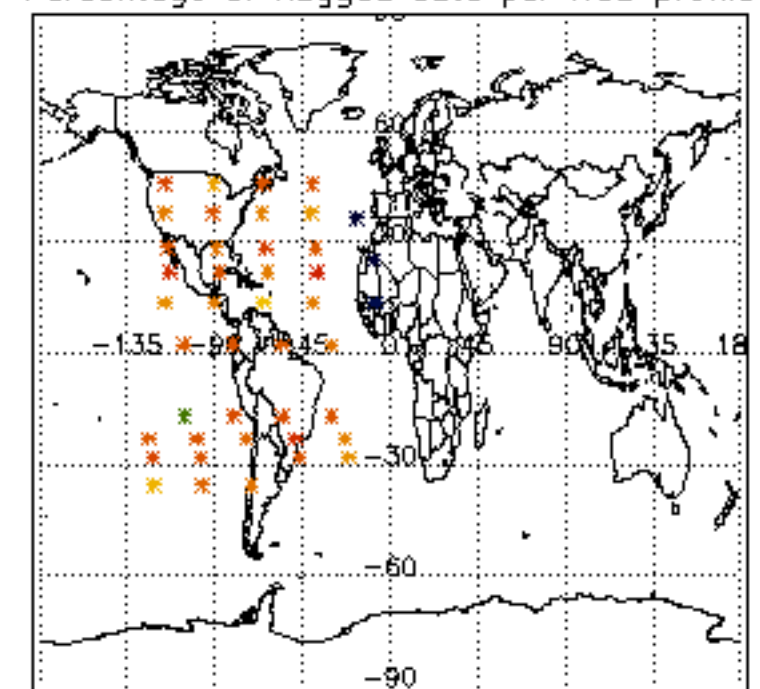
Percentage of flagged data per H2O profile

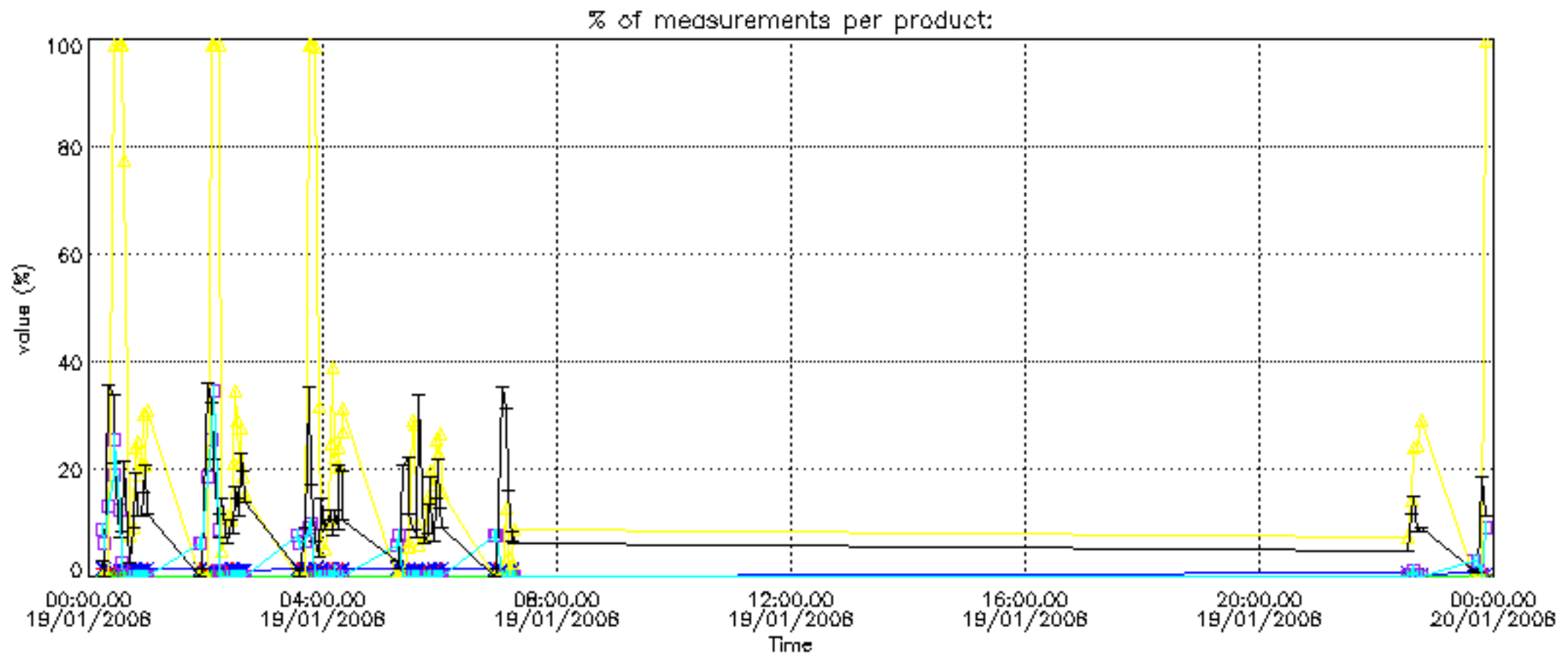


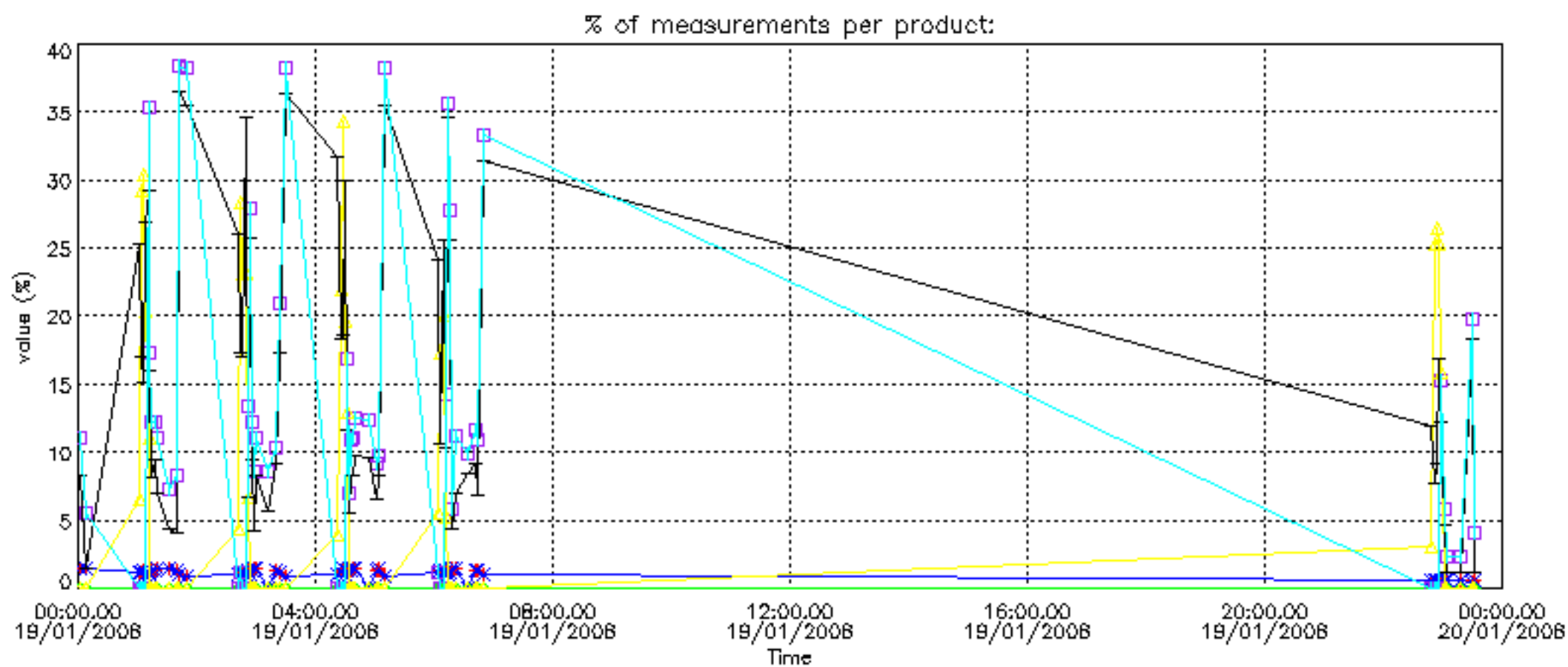
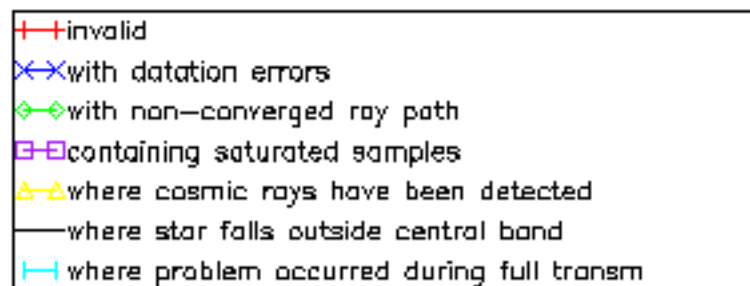
Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

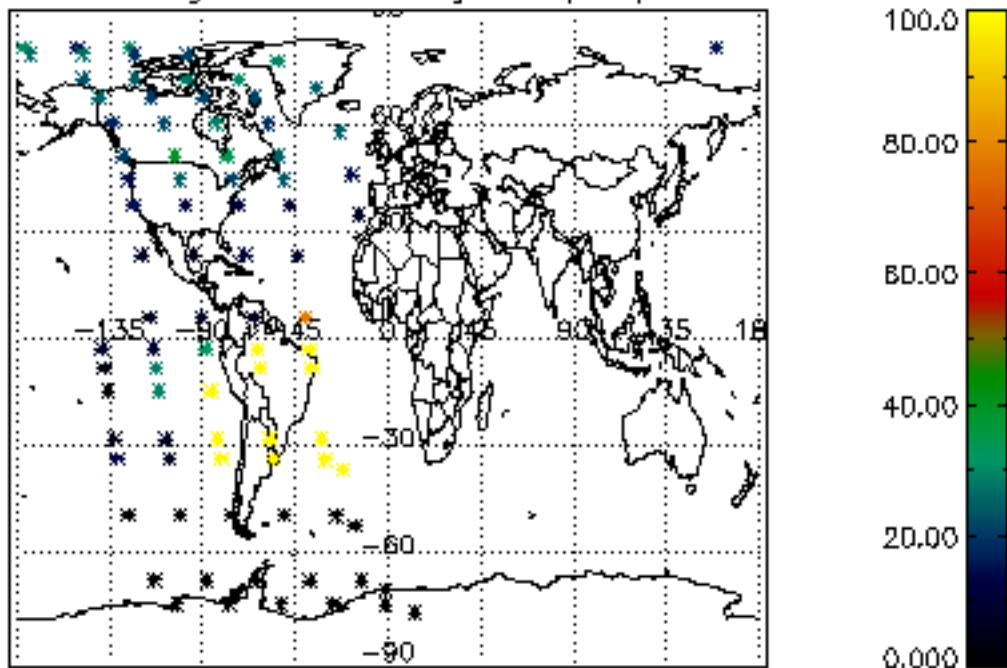




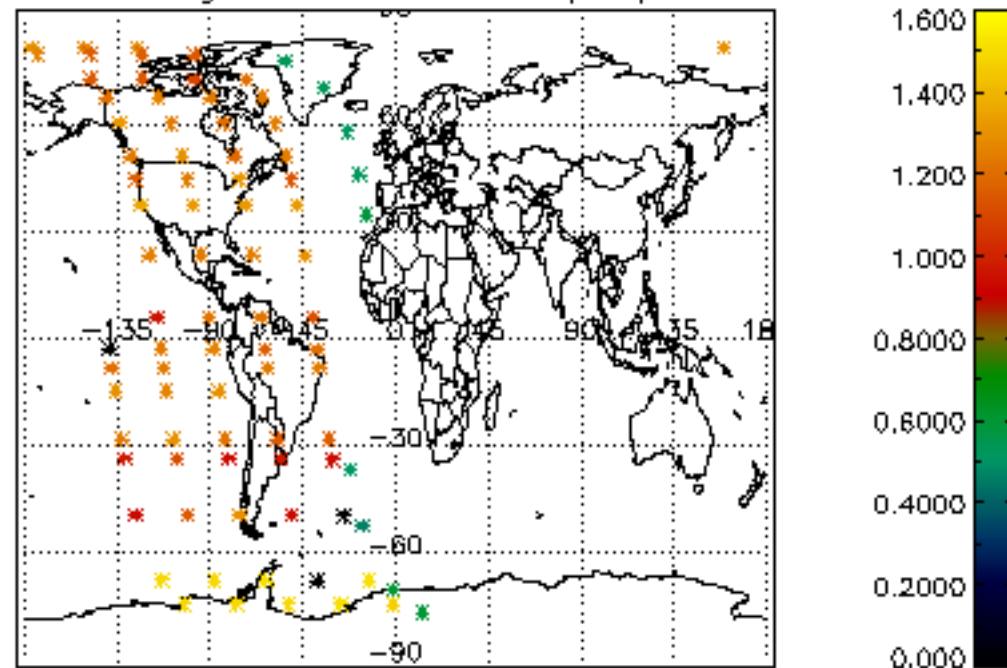




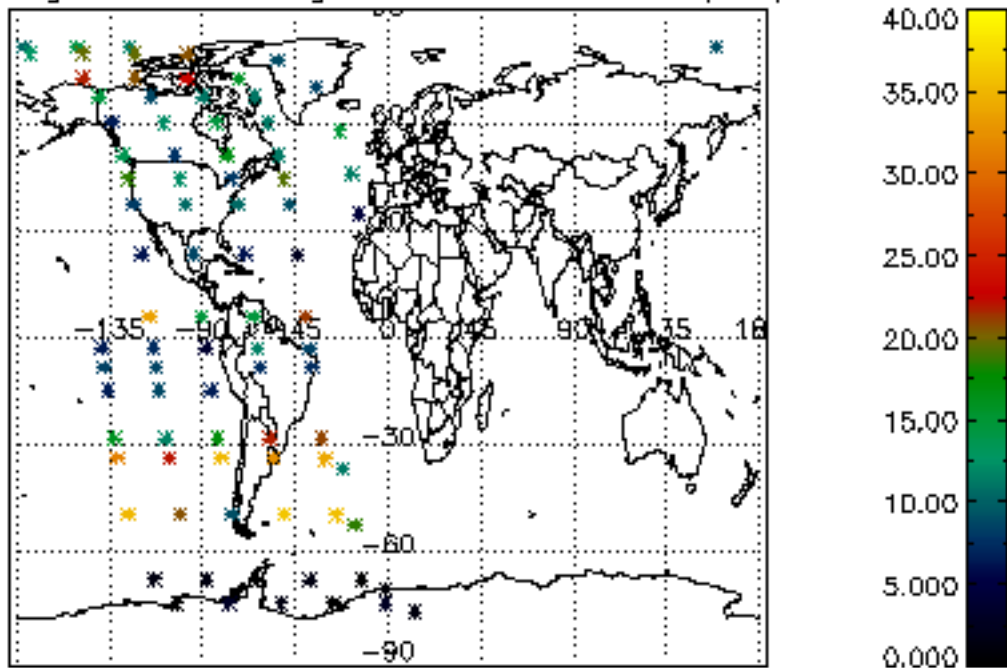
Percentage of cosmic ray hits per profile



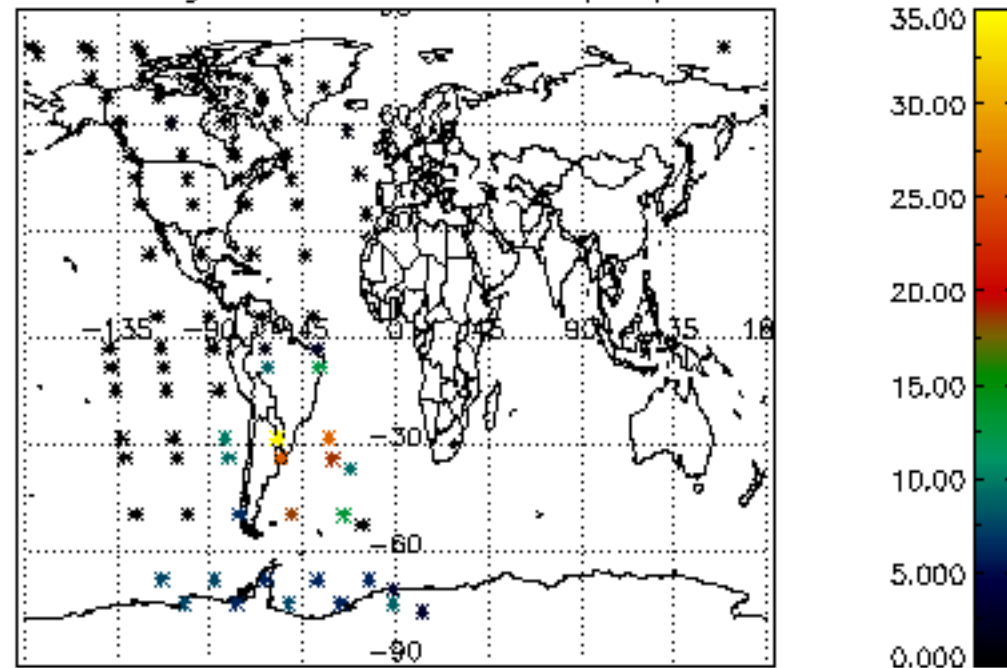
Percentage of datation errors per profile



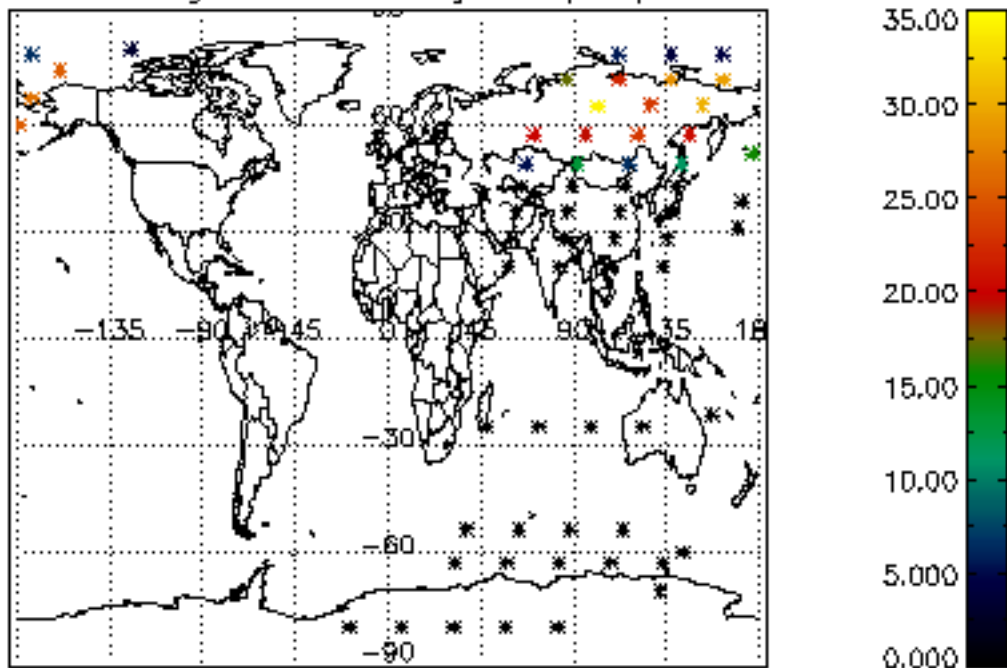
Percentage of star falling outside central band per profile



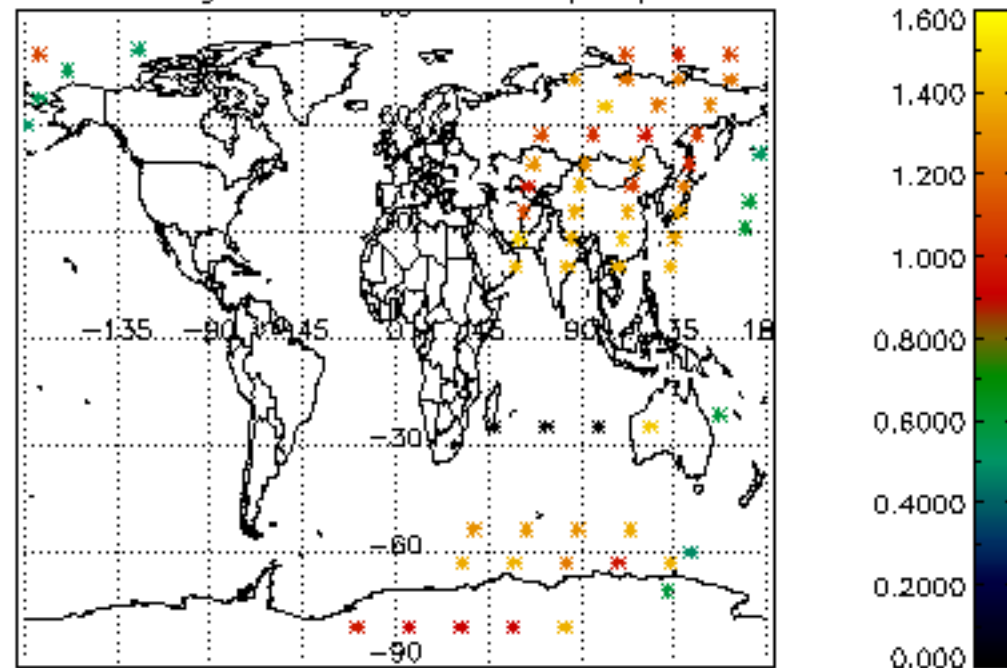
Percentage of saturation errors per profile



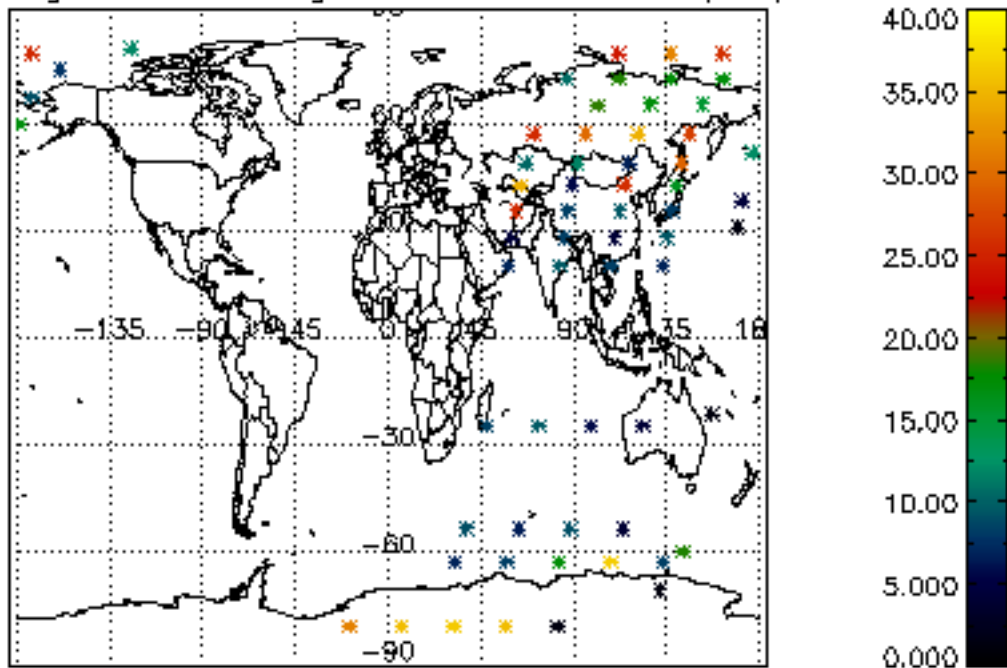
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

