

# 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	22APR2013 23:46:45
Data source version	GOMOS/6.01
Start time of products	11-08-2007 (11AUG2007 00:00:00)
Stop time of products	12-08-2007 (12AUG2007 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	214
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__2PRFIN20070811_000116_000000432060_00360_28470_6835.N1	11-AUG-2007 00:01:16	Dark	43.000	9	Alp Eri	0.45300	24000.	86	28470	No
2	GOM_NL__2PRFIN20070811_000728_000000492060_00360_28470_6836.N1	11-AUG-2007 00:07:28	Straylight	48.500	148	Alp Tuc	2.8780	4100.0	97	28470	No
3	GOM_NL__2PRFIN20070811_001058_000000442060_00360_28470_6837.N1	11-AUG-2007 00:10:58	Straylight	43.500	31	Alp Gru	1.7340	15200.	87	28470	No
4	GOM_NL__2PRFIN20070811_002854_000000372060_00360_28470_6838.N1	11-AUG-2007 00:28:54	Bright	37.000	11	53Alp Aql	0.76500	8000.0	74	28470	No
5	GOM_NL__2PRFIN20070811_003036_000000362060_00360_28470_6839.N1	11-AUG-2007 00:30:36	Bright	35.500	168	17Zet Aql	2.9860	11000.	71	28470	No
6	GOM_NL__2PRFIN20070811_003744_000000402060_00360_28470_6840.N1	11-AUG-2007 00:37:44	Bright	39.500	5	3Alp Lyr	0.033000	11000.	79	28470	No
7	GOM_NL__2PRFIN20070811_003912_000000342060_00360_28470_6841.N1	11-AUG-2007 00:39:12	Bright	34.000	144	18Del Cyg	2.8600	11000.	68	28470	No
8	GOM_NL__2PRFIN20070811_005154_000000342060_00360_28470_6842.N1	11-AUG-2007 00:51:54	Bright	33.500	49	1Alp UMi	1.9900	6300.0	67	28470	No
9	GOM_NL__2PRFIN20070811_010455_000000362060_00360_28470_6843.N1	11-AUG-2007 01:04:55	Bright	36.000	42	34Bet Aur	1.9000	10200.	72	28470	No
10	GOM_NL__2PRFIN20070811_010716_000000382060_00360_28470_6844.N1	11-AUG-2007 01:07:16	Bright	38.000	107	37The Aur	2.6490	11000.	76	28470	No
11	GOM_NL__2PRFIN20070811_011125_000000462060_00360_28470_6845.N1	11-AUG-2007 01:11:25	Bright	46.000	151	13Mu Gem	2.8900	3000.0	92	28470	No
12	GOM_NL__2PRFIN20070811_011616_000000512060_00360_28470_6846.N1	11-AUG-2007 01:16:16	Dark	51.000	14	58Alp Ori	0.87000	3000.0	102	28470	No
13	GOM_NL__2PRFIN20070811_011921_000000492060_00360_28470_6847.N1	11-AUG-2007 01:19:21	Dark	48.500	33	50Zet Ori	1.7660	30000.	97	28470	No
14	GOM_NL__2PRFIN20070811_012038_000000452060_00360_28470_6848.N1	11-AUG-2007 01:20:38	Dark	44.500	125	44Iot Ori	2.7700	30000.	89	28470	No
15	GOM_NL__2PRFIN20070811_012202_000000442060_00360_28470_6849.N1	11-AUG-2007 01:22:02	Dark	43.500	1	9Alp CMa	-1.4400	11000.	87	28470	No
16	GOM_NL__2PRFIN20070811_012402_000000412060_00360_28470_6850.N1	11-AUG-2007 01:24:02	Dark	40.500	101	11Alp Lep	2.5820	7000.0	81	28470	No
17	GOM_NL__2PRFIN20070811_014153_000000442060_00361_28471_6853.N1	11-AUG-2007 01:41:53	Dark	44.000	9	Alp Eri	0.45300	24000.	88	28471	No
18	GOM_NL__2PRFIN20070811_014805_000000422060_00361_28471_6854.N1	11-AUG-2007 01:48:05	Straylight	42.000	148	Alp Tuc	2.8780	4100.0	84	28471	No
19	GOM_NL__2PRFIN20070811_015135_000000432060_00361_28471_6855.N1	11-AUG-2007 01:51:35	Straylight	42.500	31	Alp Gru	1.7340	15200.	85	28471	No
20	GOM_NL__2PRFIN20070811_020930_000000372060_00361_28471_6856.N1	11-AUG-2007 02:09:30	Bright	36.500	11	53Alp Aql	0.76500	8000.0	73	28471	No
21	GOM_NL__2PRFIN20070811_021112_000000362060_00361_28471_6857.N1	11-AUG-2007 02:11:12	Bright	35.500	168	17Zet Aql	2.9860	11000.	71	28471	No
22	GOM_NL__2PRFIN20070811_021820_000000392060_00361_28471_6858.N1	11-AUG-2007 02:18:20	Bright	38.500	5	3Alp Lyr	0.033000	11000.	77	28471	No
23	GOM_NL__2PRFIN20070811_021948_000000342060_00361_28471_6859.N1	11-AUG-2007 02:19:48	Bright	34.000	144	18Del Cyg	2.8600	11000.	68	28471	No
24	GOM_NL__2PRFIN20070811_023230_000000362060_00361_28471_6860.N1	11-AUG-2007 02:32:30	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	28471	No
25	GOM_NL__2PRFIN20070811_024531_000000372060_00361_28471_6861.N1	11-AUG-2007 02:45:31	Bright	36.500	42	34Bet Aur	1.9000	10200.	73	28471	No
26	GOM_NL__2PRFIN20070811_024752_000000562060_00361_28471_6862.N1	11-AUG-2007 02:47:52	Bright	56.000	107	37The Aur	2.6490	11000.	112	28471	No
27	GOM_NL__2PRFIN20070811_025201_000000442060_00361_28471_6863.N1	11-AUG-2007 02:52:01	Bright	43.500	151	13Mu Gem	2.8900	3000.0	87	28471	No
28	GOM_NL__2PRFIN20070811_025652_000000552060_00361_28471_6864.N1	11-AUG-2007 02:56:52	Dark	54.500	14	58Alp Ori	0.87000	3000.0	109	28471	No
29	GOM_NL__2PRFIN20070811_025957_000000452060_00361_28471_6865.N1	11-AUG-2007 02:59:57	Dark	45.000	33	50Zet Ori	1.7660	30000.	90	28471	No
30	GOM_NL__2PRFIN20070811_030115_000000432060_00361_28471_6866.N1	11-AUG-2007 03:01:15	Dark	42.500	125	44Iot Ori	2.7700	30000.	85	28471	No
31	GOM_NL__2PRFIN20070811_030238_000000452060_00361_28471_6867.N1	11-AUG-2007 03:02:38	Dark	45.000	1	9Alp CMa	-1.4400	11000.	90	28471	No
32	GOM_NL__2PRFIN20070811_030438_000000432060_00361_28471_6868.N1	11-AUG-2007 03:04:38	Dark	43.000	101	11Alp Lep	2.5820	7000.0	86	28471	No
33	GOM_NL__2PRFIN20070811_030640_000000382060_00361_28471_6869.N1	11-AUG-2007 03:06:40	Dark	37.500	177	1Zet CMa	3.0220	26000.	75	28471	No
34	GOM_NL__2PRFIN20070811_032230_000000462060_00362_28472_6863.N1	11-AUG-2007 03:22:30	Dark	46.000	9	Alp Eri	0.45300	24000.	92	28472	No
35	GOM_NL__2PRFIN20070811_032841_000000432060_00362_28472_6864.N1	11-AUG-2007 03:28:41	Straylight	42.500	148	Alp Tuc	2.8780	4100.0	85	28472	No
36	GOM_NL__2PRFIN20070811_033211_000000422060_00362_28472_6865.N1	11-AUG-2007 03:32:11	Straylight	41.500	31	Alp Gru	1.7340	15200.	83	28472	No
37	GOM_NL__2PRFIN20070811_035006_000000372060_00362_28472_6866.N1	11-AUG-2007 03:50:06	Bright	36.500	11	53Alp Aql	0.76500	8000.0	73	28472	No
38	GOM_NL__2PRFIN20070811_035148_000000362060_00362_28472_6867.N1	11-AUG-2007 03:51:48	Bright	35.500	168	17Zet Aql	2.9860	11000.	71	28472	No
39	GOM_NL__2PRFIN20070811_035857_000000382060_00362_28472_6868.N1	11-AUG-2007 03:58:57	Bright	37.500	5	3Alp Lyr	0.033000	11000.	75	28472	No
40	GOM_NL__2PRFIN20070811_040024_000000352060_00362_28472_6869.N1	11-AUG-2007 04:00:24	Bright	35.000	144	18Del Cyg	2.8600	11000.	70	28472	No
41	GOM_NL__2PRFIN20070811_041306_000000332060_00362_28472_6870.N1	11-AUG-2007 04:13:06	Bright	33.000	49	1Alp UMi	1.9900	6300.0	66	28472	No
42	GOM_NL__2PRFIN20070811_042607_000000552060_00362_28472_6871.N1	11-AUG-2007 04:26:07	Bright	55.000	42	34Bet Aur	1.9000	10200.	110	28472	No

43	GOM_NL__2PRFIN20070811_042828_000000382060_00362_28472_6872.N1	11-AUG-2007 04:28:28	Bright	37.500	107	37The Aur	2.6490	11000.	75	28472	No
44	GOM_NL__2PRFIN20070811_043237_000000422060_00362_28472_6873.N1	11-AUG-2007 04:32:37	Bright	41.500	151	13Mu Gem	2.8900	3000.0	83	28472	No
45	GOM_NL__2PRFIN20070811_043729_000000562060_00362_28472_6874.N1	11-AUG-2007 04:37:29	Dark	56.000	14	58Alp Ori	0.87000	3000.0	112	28472	No
46	GOM_NL__2PRFIN20070811_044034_000000452060_00362_28472_6875.N1	11-AUG-2007 04:40:34	Dark	44.500	33	50Zet Ori	1.7660	30000.	89	28472	No
47	GOM_NL__2PRFIN20070811_044151_000000332060_00362_28472_6876.N1	11-AUG-2007 04:41:51	Dark	33.000	125	44Iot Ori	2.7700	30000.	66	28472	No
48	GOM_NL__2PRFIN20070811_044315_000000472060_00362_28472_6877.N1	11-AUG-2007 04:43:15	Dark	47.000	1	9Alp CMa	-1.4400	11000.	94	28472	No
49	GOM_NL__2PRFIN20070811_044515_000000442060_00362_28472_6878.N1	11-AUG-2007 04:45:15	Dark	44.000	101	11Alp Lep	2.5820	7000.0	88	28472	No
50	GOM_NL__2PRFIN20070811_044716_000000382060_00362_28472_6879.N1	11-AUG-2007 04:47:16	Dark	37.500	177	1Zet CMa	3.0220	26000.	75	28472	No
51	GOM_NL__2PRFIN20070811_050306_000000452060_00363_28473_6884.N1	11-AUG-2007 05:03:06	Dark	45.000	9	Alp Eri	0.45300	24000.	90	28473	No
52	GOM_NL__2PRFIN20070811_050917_000000422060_00363_28473_6885.N1	11-AUG-2007 05:09:17	Straylight	42.000	148	Alp Tuc	2.8780	4100.0	84	28473	No
53	GOM_NL__2PRFIN20070811_051248_000000402060_00363_28473_6886.N1	11-AUG-2007 05:12:48	Straylight	40.000	31	Alp Gru	1.7340	15200.	80	28473	No
54	GOM_NL__2PRFIN20070811_053042_000000372060_00363_28473_6887.N1	11-AUG-2007 05:30:42	Bright	36.500	11	53Alp Aql	0.76500	8000.0	73	28473	No
55	GOM_NL__2PRFIN20070811_053224_000000352060_00363_28473_6888.N1	11-AUG-2007 05:32:24	Bright	34.500	168	17Zet Aql	2.9860	11000.	69	28473	No
56	GOM_NL__2PRFIN20070811_053933_000000342060_00363_28473_6889.N1	11-AUG-2007 05:39:33	Bright	33.500	5	3Alp Lyr	0.033000	11000.	67	28473	No
57	GOM_NL__2PRFIN20070811_054100_000000352060_00363_28473_6890.N1	11-AUG-2007 05:41:00	Bright	34.500	144	18Del Cyg	2.8600	11000.	69	28473	No
58	GOM_NL__2PRFIN20070811_055342_000000362060_00363_28473_6891.N1	11-AUG-2007 05:53:42	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	28473	No
59	GOM_NL__2PRFIN20070811_060643_000000552060_00363_28473_6892.N1	11-AUG-2007 06:06:43	Bright	55.000	42	34Bet Aur	1.9000	10200.	110	28473	No
60	GOM_NL__2PRFIN20070811_060904_000000422060_00363_28473_6893.N1	11-AUG-2007 06:09:04	Bright	41.500	107	37The Aur	2.6490	11000.	83	28473	No
61	GOM_NL__2PRFIN20070811_061314_000000452060_00363_28473_6894.N1	11-AUG-2007 06:13:14	Bright	44.500	151	13Mu Gem	2.8900	3000.0	89	28473	No
62	GOM_NL__2PRFIN20070811_061805_000000512060_00363_28473_6895.N1	11-AUG-2007 06:18:05	Dark	51.000	14	58Alp Ori	0.87000	3000.0	102	28473	No
63	GOM_NL__2PRFIN20070811_062110_000000482060_00363_28473_6896.N1	11-AUG-2007 06:21:10	Dark	47.500	33	50Zet Ori	1.7660	30000.	95	28473	No
64	GOM_NL__2PRFIN20070811_062228_000000332060_00363_28473_6897.N1	11-AUG-2007 06:22:28	Dark	33.000	125	44Iot Ori	2.7700	30000.	66	28473	No
65	GOM_NL__2PRFIN20070811_062351_000000452060_00363_28473_6898.N1	11-AUG-2007 06:23:51	Dark	45.000	1	9Alp CMa	-1.4400	11000.	90	28473	No
66	GOM_NL__2PRFIN20070811_062551_000000442060_00363_28473_6899.N1	11-AUG-2007 06:25:51	Dark	44.000	101	11Alp Lep	2.5820	7000.0	88	28473	No
67	GOM_NL__2PRFIN20070811_062753_000000392060_00363_28473_6900.N1	11-AUG-2007 06:27:53	Dark	38.500	177	1Zet CMa	3.0220	26000.	77	28473	No
68	GOM_NL__2PRFIN20070811_064343_000000452060_00364_28474_6897.N1	11-AUG-2007 06:43:43	Dark	44.500	9	Alp Eri	0.45300	24000.	89	28474	No
69	GOM_NL__2PRFIN20070811_064954_000000392060_00364_28474_6898.N1	11-AUG-2007 06:49:54	Straylight	38.500	148	Alp Tuc	2.8780	4100.0	77	28474	No
70	GOM_NL__2PRFIN20070811_065324_000000412060_00364_28474_6899.N1	11-AUG-2007 06:53:24	Straylight	41.000	31	Alp Gru	1.7340	15200.	82	28474	No
71	GOM_NL__2PRFIN20070811_071118_000000362060_00364_28474_6900.N1	11-AUG-2007 07:11:18	Bright	36.000	11	53Alp Aql	0.76500	8000.0	72	28474	No
72	GOM_NL__2PRFIN20070811_071300_000000352060_00364_28474_6901.N1	11-AUG-2007 07:13:00	Bright	34.500	168	17Zet Aql	2.9860	11000.	69	28474	No
73	GOM_NL__2PRFIN20070811_072009_000000392060_00364_28474_6902.N1	11-AUG-2007 07:20:09	Bright	39.000	5	3Alp Lyr	0.033000	11000.	78	28474	No
74	GOM_NL__2PRFIN20070811_072136_000000352060_00364_28474_6903.N1	11-AUG-2007 07:21:36	Bright	35.000	144	18Del Cyg	2.8600	11000.	70	28474	No
75	GOM_NL__2PRFIN20070811_073418_000000332060_00364_28474_6904.N1	11-AUG-2007 07:34:18	Bright	33.000	49	1Alp UMi	1.9900	6300.0	66	28474	No
76	GOM_NL__2PRFIN20070811_074719_000000372060_00364_28474_6905.N1	11-AUG-2007 07:47:19	Bright	36.500	42	34Bet Aur	1.9000	10200.	73	28474	No
77	GOM_NL__2PRFIN20070811_074940_000000362060_00364_28474_6906.N1	11-AUG-2007 07:49:40	Bright	36.000	107	37The Aur	2.6490	11000.	72	28474	No
78	GOM_NL__2PRFIN20070811_075350_000000442060_00364_28474_6907.N1	11-AUG-2007 07:53:50	Bright	44.000	151	13Mu Gem	2.8900	3000.0	88	28474	No
79	GOM_NL__2PRFIN20070811_075841_000000522060_00364_28474_6908.N1	11-AUG-2007 07:58:41	Dark	52.000	14	58Alp Ori	0.87000	3000.0	104	28474	No
80	GOM_NL__2PRFIN20070811_080147_000000452060_00364_28474_6909.N1	11-AUG-2007 08:01:47	Dark	45.000	33	50Zet Ori	1.7660	30000.	90	28474	No
81	GOM_NL__2PRFIN20070811_080427_000000442060_00364_28474_6910.N1	11-AUG-2007 08:04:27	Dark	44.000	1	9Alp CMa	-1.4400	11000.	88	28474	No
82	GOM_NL__2PRFIN20070811_080628_000000432060_00364_28474_6911.N1	11-AUG-2007 08:06:28	Dark	43.000	101	11Alp Lep	2.5820	7000.0	86	28474	No
83	GOM_NL__2PRFIN20070811_080829_000000362060_00364_28474_6912.N1	11-AUG-2007 08:08:29	Dark	36.000	177	1Zet CMa	3.0220	26000.	72	28474	No
84	GOM_NL__2PRFIN20070811_082420_000000432060_00365_28475_6911.N1	11-AUG-2007 08:24:20	Dark	42.500	9	Alp Eri	0.45300	24000.	85	28475	No
85	GOM_NL__2PRFIN20070811_083030_000000392060_00365_28475_6912.N1	11-AUG-2007 08:30:30	Straylight	39.000	148	Alp Tuc	2.8780	4100.0	78	28475	No
86	GOM_NL__2PRFIN20070811_083400_000000442060_00365_28475_6913.N1	11-AUG-2007 08:34:00	Straylight	43.500	31	Alp Gru	1.7340	15200.	87	28475	No
87	GOM_NL__2PRFIN20070811_085154_000000372060_00365_28475_6914.N1	11-AUG-2007 08:51:54	Bright	36.500	11	53Alp Aql	0.76500	8000.0	73	28475	No
88	GOM_NL__2PRFIN20070811_085336_000000342060_00365_28475_6915.N1	11-AUG-2007 08:53:36	Bright	33.500	168	17Zet Aql	2.9860	11000.	67	28475	No
89	GOM_NL__2PRFIN20070811_090045_000000362060_00365_28475_6916.N1	11-AUG-2007 09:00:45	Bright	35.500	5	3Alp Lyr	0.033000	11000.	71	28475	No
90	GOM_NL__2PRFIN20070811_090212_000000352060_00365_28475_6917.N1	11-AUG-2007 09:02:12	Bright	34.500	144	18Del Cyg	2.8600	11000.	69	28475	No
91	GOM_NL__2PRFIN20070811_091454_000000362060_00365_28475_6918.N1	11-AUG-2007 09:14:54	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	28475	No
92	GOM_NL__2PRFIN20070811_092755_000000362060_00365_28475_6919.N1	11-AUG-2007 09:27:55	Bright	36.000	42	34Bet Aur	1.9000	10200.	72	28475	No
93	GOM_NL__2PRFIN20070811_093016_000000352060_00365_28475_6920.N1	11-AUG-2007 09:30:16	Bright	34.500	107	37The Aur	2.6490	11000.	69	28475	No
94	GOM_NL__2PRFIN20070811_093426_000000462060_00365_28475_6921.N1	11-AUG-2007 09:34:26	Bright	46.000	151	13Mu Gem	2.8900	3000.0	92	28475	No
95	GOM_NL__2PRFIN20070811_093917_000000562060_00365_28475_6922.N1	11-AUG-2007 09:39:17	Dark	55.500	14	58Alp Ori	0.87000	3000.0	111	28475	No
96	GOM_NL__2PRFIN20070811_094223_000000452060_00365_28475_6923.N1	11-AUG-2007 09:42:23	Dark	44.500	33	50Zet Ori	1.7660	30000.	89	28475	No
97	GOM_NL__2PRFIN20070811_094503_000000422060_00365_28475_6924.N1	11-AUG-2007 09:45:03	Dark	42.000	1	9Alp CMa	-1.4400	11000.	84	28475	No
98	GOM_NL__2PRFIN20070811_094704_000000402060_00365_28475_6925.N1	11-AUG-2007 09:47:04	Dark	40.000	101	11Alp Lep	2.5820	7000.0	80	28475	No
99	GOM_NL__2PRFIN20070811_094905_000000362060_00365_28475_6926.N1	11-AUG-2007 09:49:05	Dark	36.000	177	1Zet CMa	3.0220	26000.	72	28475	No
100	GOM_NL__2PRFIN20070811_100456_000000422060_00366_28476_6944.N1	11-AUG-2007 10:04:56	Dark	42.000	9	Alp Eri	0.45300	24000.	84	28476	No
101	GOM_NL__2PRFIN20070811_101106_000000442060_00366_28476_6945.N1	11-AUG-2007 10:11:06	Straylight	44.000	148	Alp Tuc	2.8780	4100.0	88	28476	No





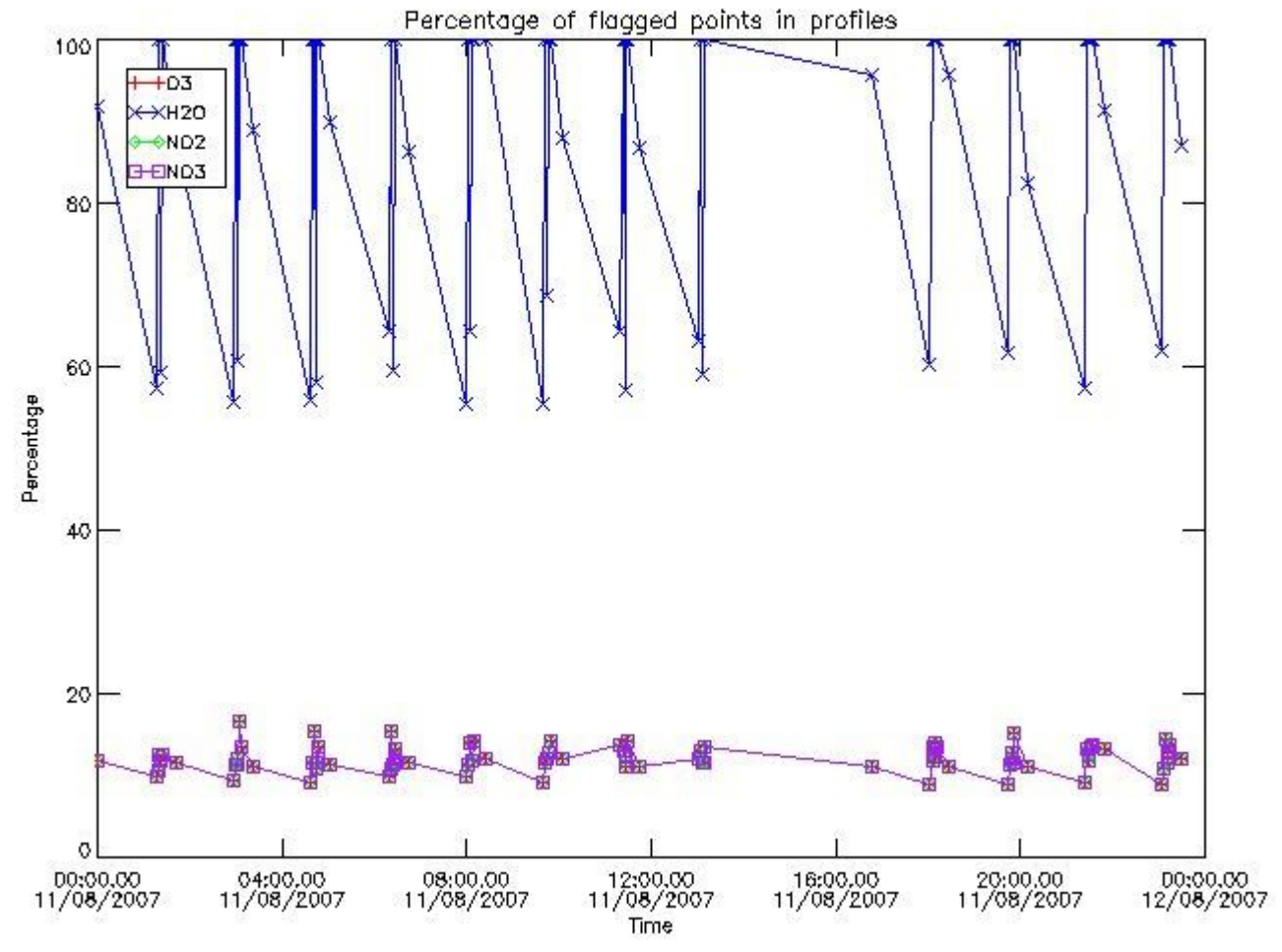
161	GOM_NL__2PRFIN20070811_193131_000000442060_00371_28481_7027.N1	11-AUG-2007 19:31:31	Bright	43.500	42	34Bet Aur	1.9000	10200.	87	28481	No
162	GOM_NL__2PRFIN20070811_193352_000000372060_00371_28481_7028.N1	11-AUG-2007 19:33:52	Bright	37.000	107	37The Aur	2.6490	11000.	74	28481	No
163	GOM_NL__2PRFIN20070811_193803_000000482060_00371_28481_7029.N1	11-AUG-2007 19:38:03	Bright	47.500	151	13Mu Gem	2.8900	3000.0	95	28481	No
164	GOM_NL__2PRFIN20070811_194255_000000572060_00371_28481_7030.N1	11-AUG-2007 19:42:55	Dark	56.500	14	58Alp Ori	0.87000	3000.0	113	28481	No
165	GOM_NL__2PRFIN20070811_194557_000000452060_00371_28481_7031.N1	11-AUG-2007 19:45:57	Dark	45.000	30	46Eps Ori	1.6940	30000.	90	28481	No
166	GOM_NL__2PRFIN20070811_194800_000000442060_00371_28481_7032.N1	11-AUG-2007 19:48:00	Dark	44.000	56	53Kap Ori	2.0650	30000.	88	28481	No
167	GOM_NL__2PRFIN20070811_194924_000000422060_00371_28481_7033.N1	11-AUG-2007 19:49:24	Dark	42.000	47	2Bet CMa	1.9760	28000.	84	28481	No
168	GOM_NL__2PRFIN20070811_195043_000000442060_00371_28481_7034.N1	11-AUG-2007 19:50:43	Dark	44.000	101	11Alp Lep	2.5820	7000.0	88	28481	No
169	GOM_NL__2PRFIN20070811_195243_000000372060_00371_28481_7035.N1	11-AUG-2007 19:52:43	Dark	37.000	177	1Zet CMa	3.0220	26000.	74	28481	No
170	GOM_NL__2PRFIN20070811_200836_000000462060_00372_28482_7026.N1	11-AUG-2007 20:08:36	Dark	46.000	9	Alp Eri	0.45300	24000.	92	28482	No
171	GOM_NL__2PRFIN20070811_201444_000000382060_00372_28482_7027.N1	11-AUG-2007 20:14:44	Straylight	37.500	148	Alp Tuc	2.8780	4100.0	75	28482	No
172	GOM_NL__2PRFIN20070811_201815_000000482060_00372_28482_7028.N1	11-AUG-2007 20:18:15	Straylight	48.000	31	Alp Gru	1.7340	15200.	96	28482	No
173	GOM_NL__2PRFIN20070811_202116_000000412060_00372_28482_7029.N1	11-AUG-2007 20:21:16	Straylight	41.000	172	Gam Gru	3.0030	13100.	82	28482	No
174	GOM_NL__2PRFIN20070811_203606_000000372060_00372_28482_7030.N1	11-AUG-2007 20:36:06	Bright	36.500	11	53Alp Aql	0.76500	8000.0	73	28482	No
175	GOM_NL__2PRFIN20070811_204346_000000402060_00372_28482_7031.N1	11-AUG-2007 20:43:46	Bright	39.500	92	53Eps Cyg	2.5000	4500.0	79	28482	No
176	GOM_NL__2PRFIN20070811_204515_000000392060_00372_28482_7032.N1	11-AUG-2007 20:45:15	Bright	39.000	66	37Gam Cyg	2.2080	5900.0	78	28482	No
177	GOM_NL__2PRFIN20070811_204658_000000412060_00372_28482_7033.N1	11-AUG-2007 20:46:58	Bright	40.500	19	50Alp Cyg	1.2460	10500.	81	28482	No
178	GOM_NL__2PRFIN20070811_205223_000000372060_00372_28482_7034.N1	11-AUG-2007 20:52:23	Bright	37.000	89	5Alp Cep	2.4510	8000.0	74	28482	No
179	GOM_NL__2PRFIN20070811_205906_000000372060_00372_28482_7035.N1	11-AUG-2007 20:59:06	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	28482	No
180	GOM_NL__2PRFIN20070811_211207_000000462060_00372_28482_7036.N1	11-AUG-2007 21:12:07	Bright	45.500	42	34Bet Aur	1.9000	10200.	91	28482	No
181	GOM_NL__2PRFIN20070811_211428_000000562060_00372_28482_7037.N1	11-AUG-2007 21:14:28	Bright	55.500	107	37The Aur	2.6490	11000.	111	28482	No
182	GOM_NL__2PRFIN20070811_211839_000000542060_00372_28482_7038.N1	11-AUG-2007 21:18:39	Bright	54.000	151	13Mu Gem	2.8900	3000.0	108	28482	No
183	GOM_NL__2PRFIN20070811_212012_000000412060_00372_28482_7039.N1	11-AUG-2007 21:20:12	Tw_i_and_stray	40.500	44	24Gam Gem	1.9280	11000.	81	28482	No
184	GOM_NL__2PRFIN20070811_212331_000000562060_00372_28482_7040.N1	11-AUG-2007 21:23:31	Dark	55.500	14	58Alp Ori	0.87000	3000.0	111	28482	No
185	GOM_NL__2PRFIN20070811_212633_000000462060_00372_28482_7041.N1	11-AUG-2007 21:26:33	Dark	46.000	30	46Eps Ori	1.6940	30000.	92	28482	No
186	GOM_NL__2PRFIN20070811_212837_000000442060_00372_28482_7042.N1	11-AUG-2007 21:28:37	Dark	43.500	56	53Kap Ori	2.0650	30000.	87	28482	No
187	GOM_NL__2PRFIN20070811_213001_000000412060_00372_28482_7043.N1	11-AUG-2007 21:30:01	Dark	41.000	47	2Bet CMa	1.9760	28000.	82	28482	No
188	GOM_NL__2PRFIN20070811_213120_000000422060_00372_28482_7044.N1	11-AUG-2007 21:31:20	Dark	41.500	101	11Alp Lep	2.5820	7000.0	83	28482	No
189	GOM_NL__2PRFIN20070811_213319_000000372060_00372_28482_7045.N1	11-AUG-2007 21:33:19	Dark	37.000	177	1Zet CMa	3.0220	26000.	74	28482	No
190	GOM_NL__2PRFIN20070811_214913_000000462060_00373_28483_7047.N1	11-AUG-2007 21:49:13	Dark	46.000	9	Alp Eri	0.45300	24000.	92	28483	No
191	GOM_NL__2PRFIN20070811_215520_000000382060_00373_28483_7048.N1	11-AUG-2007 21:55:20	Straylight	38.000	148	Alp Tuc	2.8780	4100.0	76	28483	No
192	GOM_NL__2PRFIN20070811_215851_000000472060_00373_28483_7049.N1	11-AUG-2007 21:58:51	Straylight	46.500	31	Alp Gru	1.7340	15200.	93	28483	No
193	GOM_NL__2PRFIN20070811_220153_000000422060_00373_28483_7050.N1	11-AUG-2007 22:01:53	Straylight	41.500	172	Gam Gru	3.0030	13100.	83	28483	No
194	GOM_NL__2PRFIN20070811_221642_000000362060_00373_28483_7051.N1	11-AUG-2007 22:16:42	Bright	35.500	11	53Alp Aql	0.76500	8000.0	71	28483	No
195	GOM_NL__2PRFIN20070811_222422_000000392060_00373_28483_7052.N1	11-AUG-2007 22:24:22	Bright	39.000	92	53Eps Cyg	2.5000	4500.0	78	28483	No
196	GOM_NL__2PRFIN20070811_222551_000000382060_00373_28483_7053.N1	11-AUG-2007 22:25:51	Bright	38.000	66	37Gam Cyg	2.2080	5900.0	76	28483	No
197	GOM_NL__2PRFIN20070811_222733_000000392060_00373_28483_7054.N1	11-AUG-2007 22:27:33	Bright	39.000	19	50Alp Cyg	1.2460	10500.	78	28483	No
198	GOM_NL__2PRFIN20070811_223258_000000392060_00373_28483_7055.N1	11-AUG-2007 22:32:58	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	28483	No
199	GOM_NL__2PRFIN20070811_223941_000000332060_00373_28483_7056.N1	11-AUG-2007 22:39:41	Bright	32.500	49	1Alp UMi	1.9900	6300.0	65	28483	No
200	GOM_NL__2PRFIN20070811_225242_000000432060_00373_28483_7057.N1	11-AUG-2007 22:52:42	Bright	43.000	42	34Bet Aur	1.9000	10200.	86	28483	No
201	GOM_NL__2PRFIN20070811_225504_000000432060_00373_28483_7058.N1	11-AUG-2007 22:55:04	Bright	43.000	107	37The Aur	2.6490	11000.	86	28483	No
202	GOM_NL__2PRFIN20070811_225914_000000432060_00373_28483_7059.N1	11-AUG-2007 22:59:14	Bright	42.500	151	13Mu Gem	2.8900	3000.0	85	28483	No
203	GOM_NL__2PRFIN20070811_230048_000000402060_00373_28483_7060.N1	11-AUG-2007 23:00:48	Tw_i_and_stray	40.000	44	24Gam Gem	1.9280	11000.	80	28483	No
204	GOM_NL__2PRFIN20070811_230408_000000572060_00373_28483_7061.N1	11-AUG-2007 23:04:08	Dark	57.000	14	58Alp Ori	0.87000	3000.0	114	28483	No
205	GOM_NL__2PRFIN20070811_230709_000000482060_00373_28483_7062.N1	11-AUG-2007 23:07:09	Dark	47.500	30	46Eps Ori	1.6940	30000.	95	28483	No
206	GOM_NL__2PRFIN20070811_230913_000000432060_00373_28483_7063.N1	11-AUG-2007 23:09:13	Dark	42.500	56	53Kap Ori	2.0650	30000.	85	28483	No
207	GOM_NL__2PRFIN20070811_231037_000000402060_00373_28483_7064.N1	11-AUG-2007 23:10:37	Dark	40.000	47	2Bet CMa	1.9760	28000.	80	28483	No
208	GOM_NL__2PRFIN20070811_231156_000000452060_00373_28483_7065.N1	11-AUG-2007 23:11:56	Dark	44.500	101	11Alp Lep	2.5820	7000.0	89	28483	No
209	GOM_NL__2PRFIN20070811_231355_000000372060_00373_28483_7066.N1	11-AUG-2007 23:13:55	Dark	37.000	177	1Zet CMa	3.0220	26000.	74	28483	No
210	GOM_NL__2PRFIN20070811_232949_000000432060_00374_28484_7059.N1	11-AUG-2007 23:29:49	Dark	42.500	9	Alp Eri	0.45300	24000.	85	28484	No
211	GOM_NL__2PRFIN20070811_233557_000000392060_00374_28484_7060.N1	11-AUG-2007 23:35:57	Straylight	39.000	148	Alp Tuc	2.8780	4100.0	78	28484	No
212	GOM_NL__2PRFIN20070811_233927_000000442060_00374_28484_7061.N1	11-AUG-2007 23:39:27	Straylight	44.000	31	Alp Gru	1.7340	15200.	88	28484	No
213	GOM_NL__2PRFIN20070811_234229_000000422060_00374_28484_7062.N1	11-AUG-2007 23:42:29	Straylight	41.500	172	Gam Gru	3.0030	13100.	83	28484	No
214	GOM_NL__2PRFIN20070811_235718_000000392060_00374_28484_7063.N1	11-AUG-2007 23:57:18	Bright	38.500	11	53Alp Aql	0.76500	8000.0	77	28484	No

### 3. Quality information per product

In this section it is plotted some information contained in the Quality Summary data set of

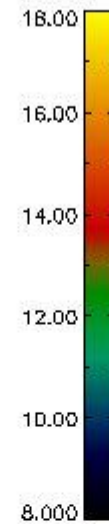
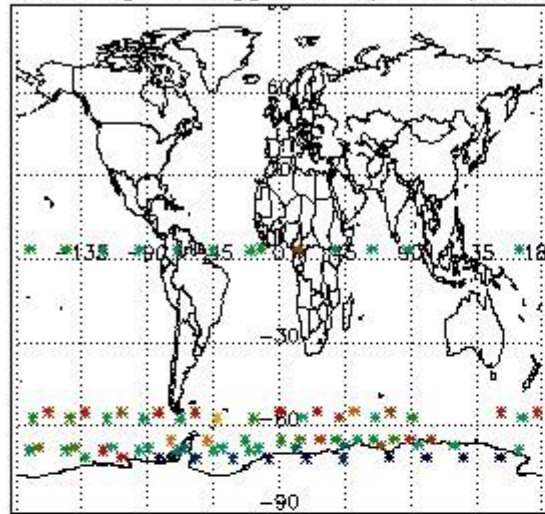
the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

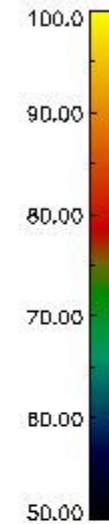
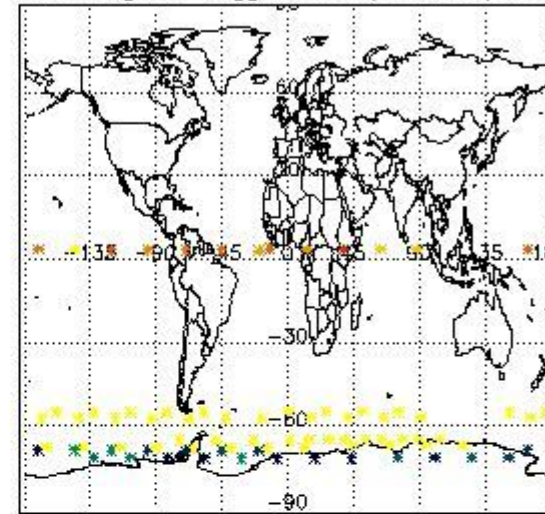


3.2 Plot quality information per product (world map)

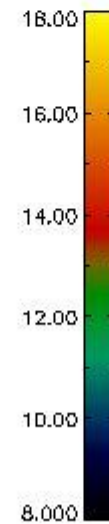
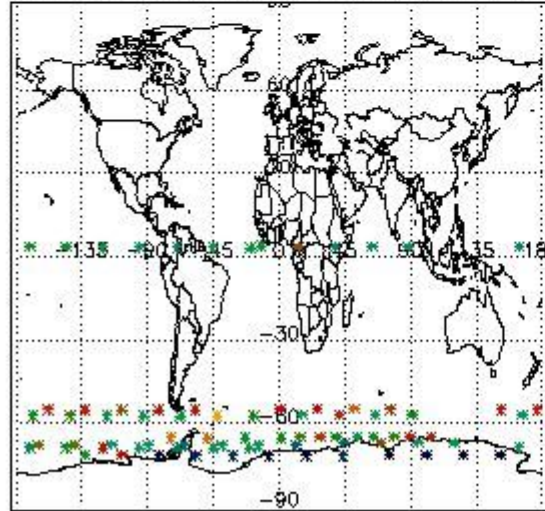
Percentage of flagged data per O3 profile



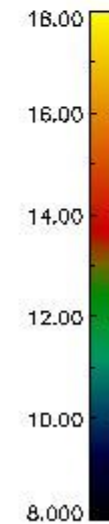
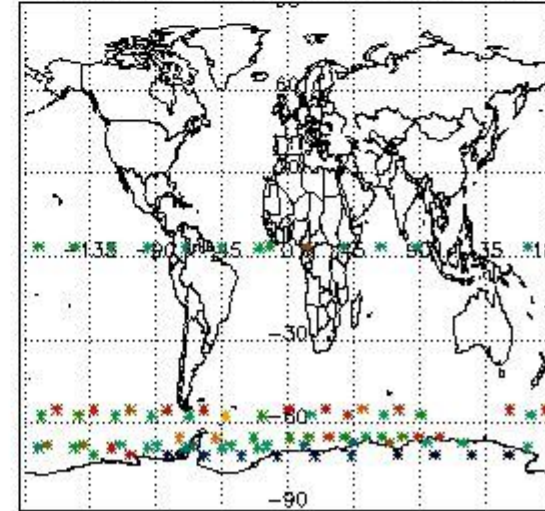
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile



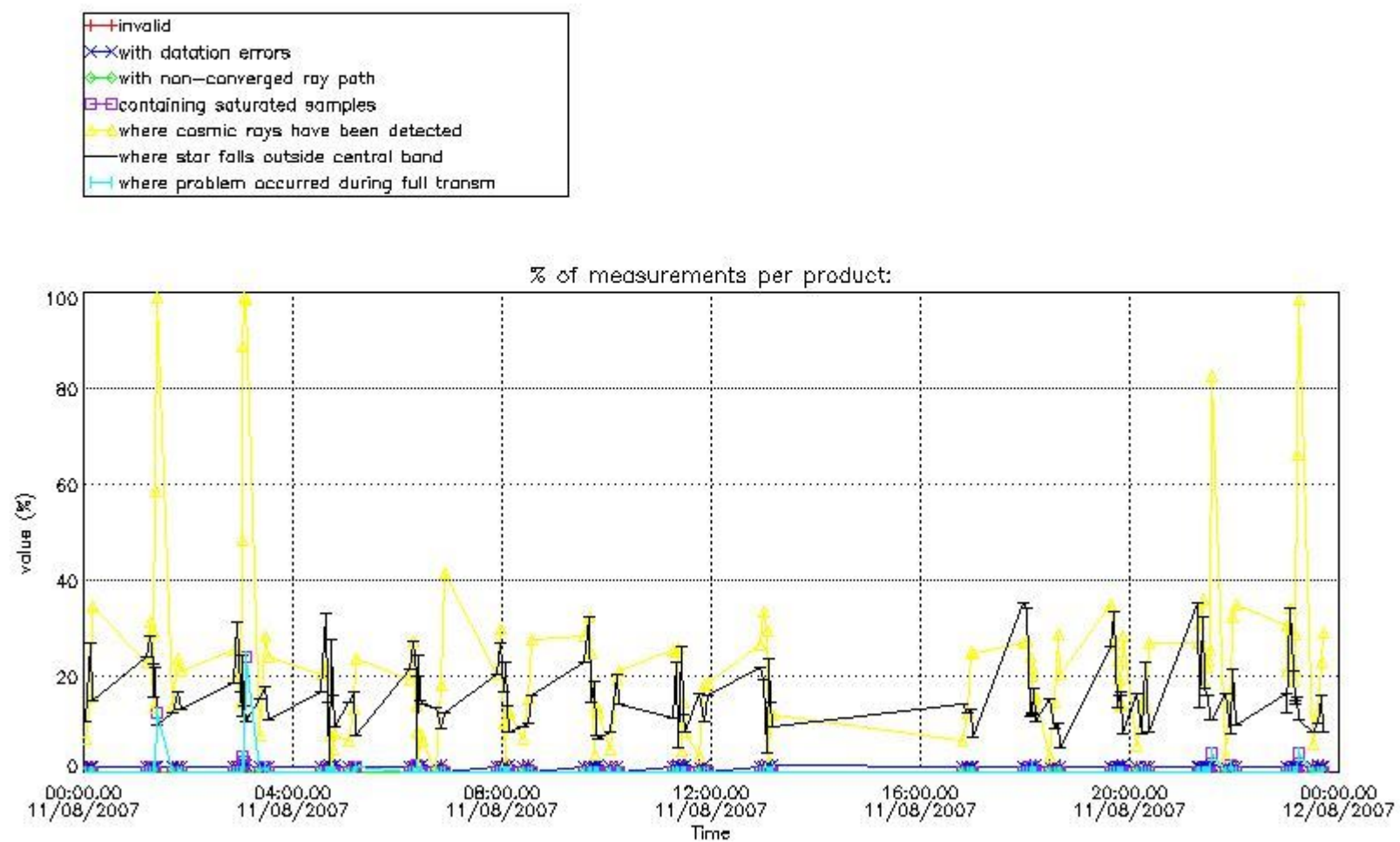
#### 4. Level 1 quality information per product

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

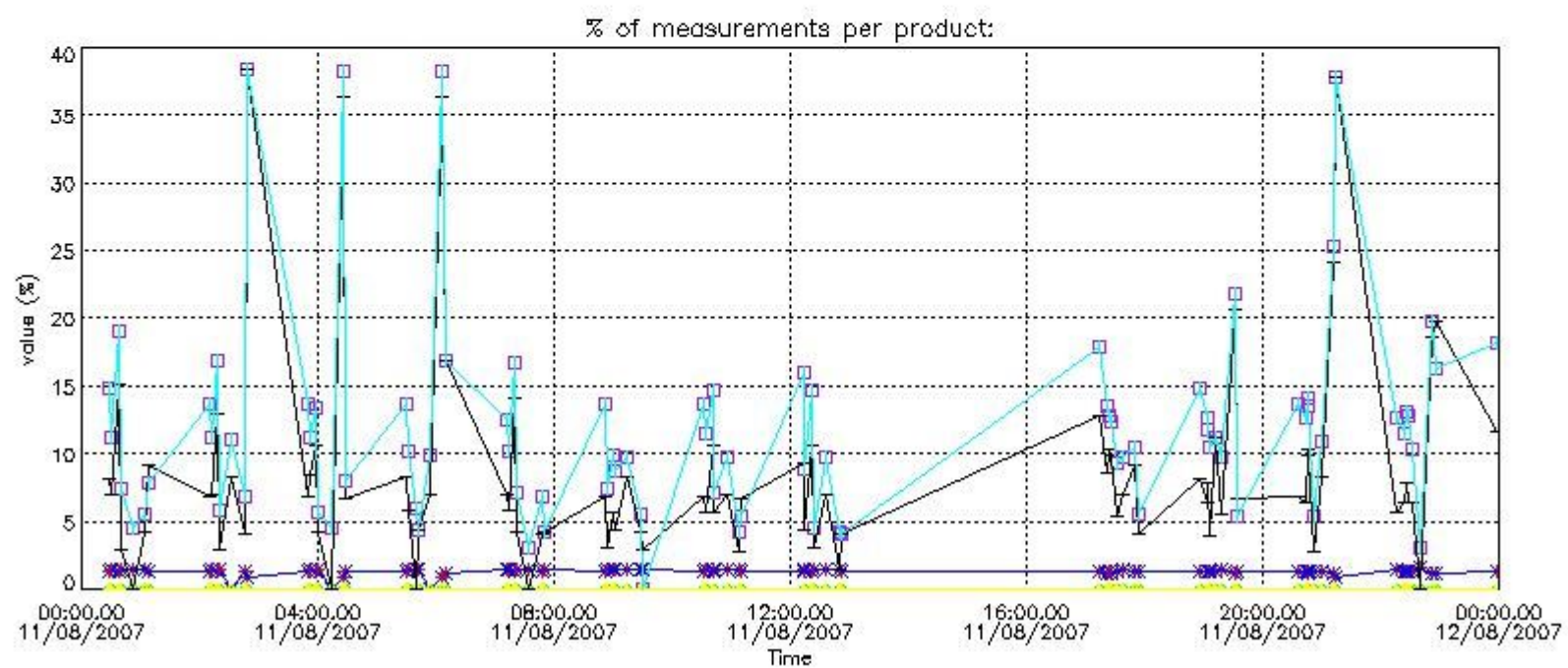
##### 4.1.1 Plot level 1 quality information per product (time dependant): ENVISAT ASCENDING passes





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

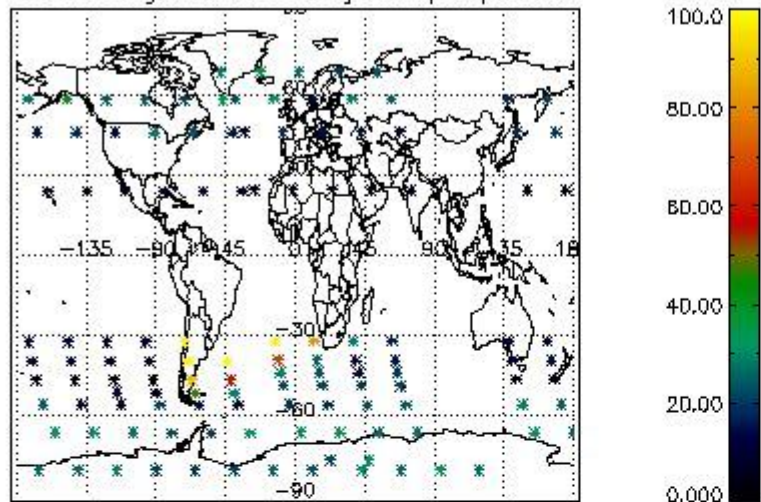




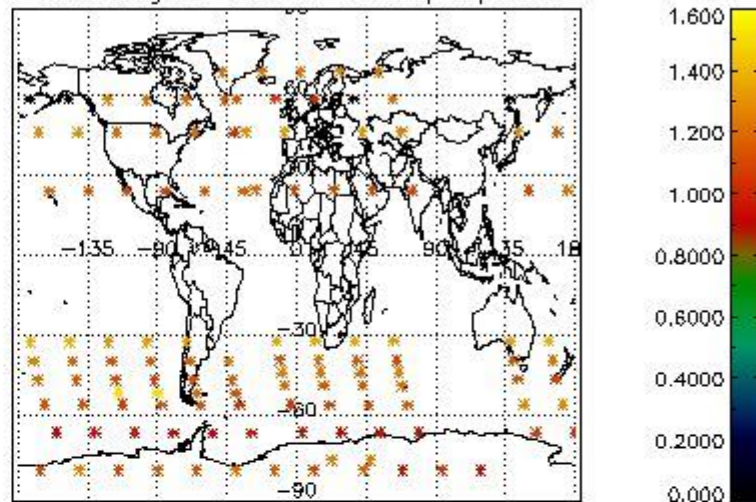
*4.2 Plot quality information per product coming from level 1b processing (world map)*

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

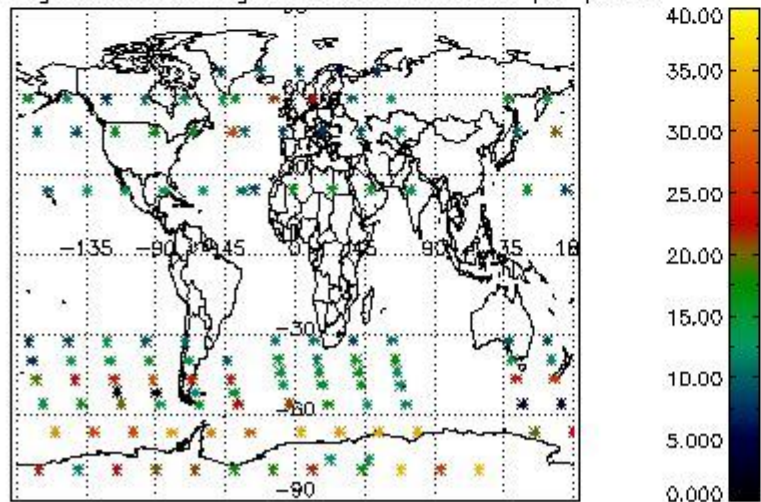
Percentage of cosmic ray hits per profile



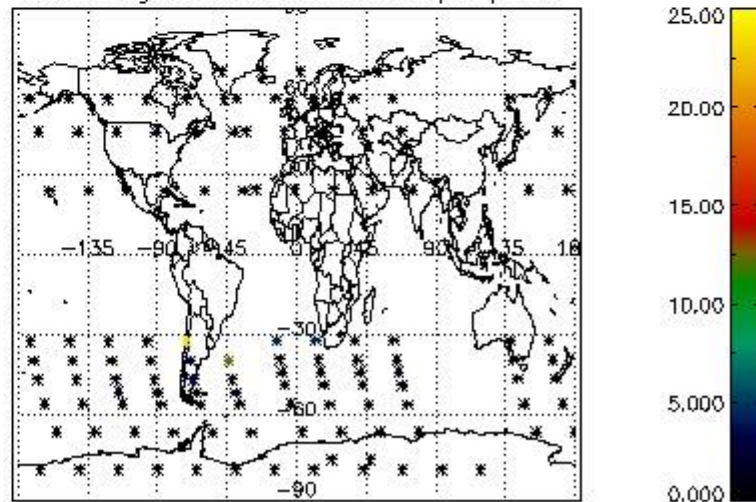
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

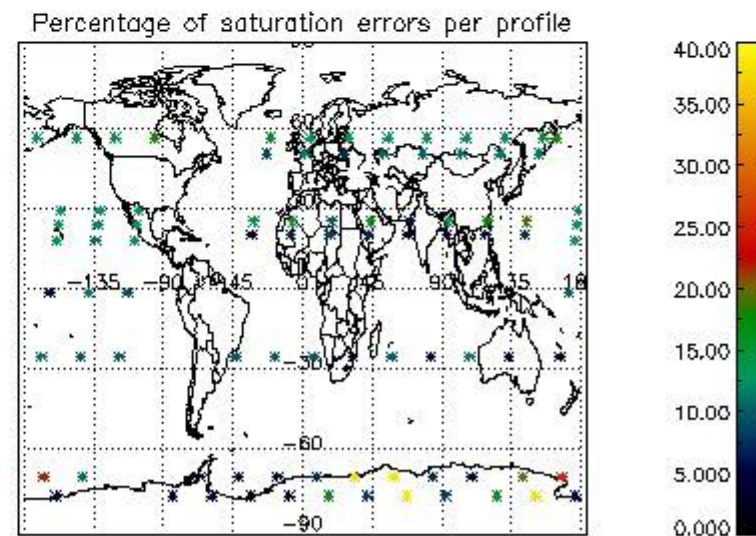
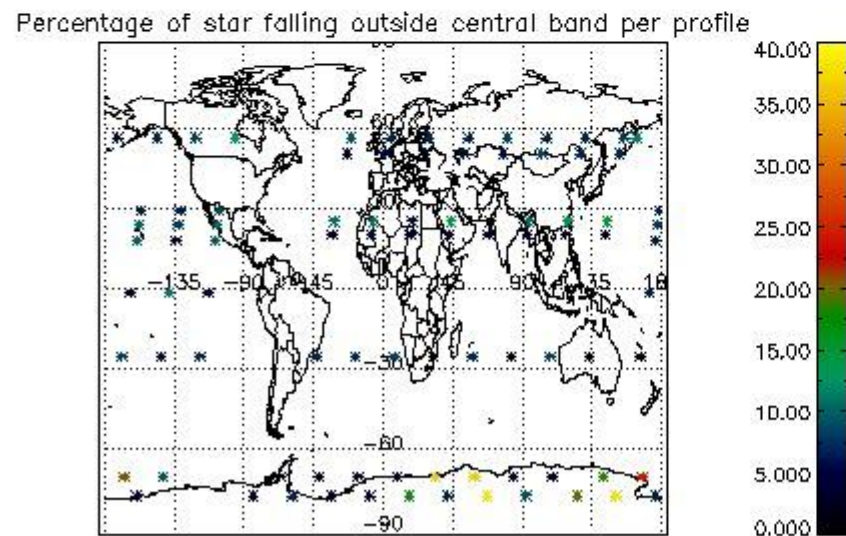
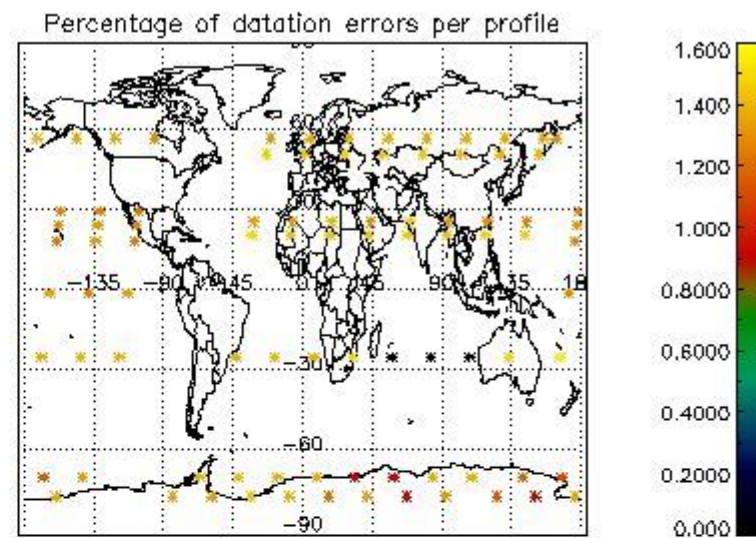
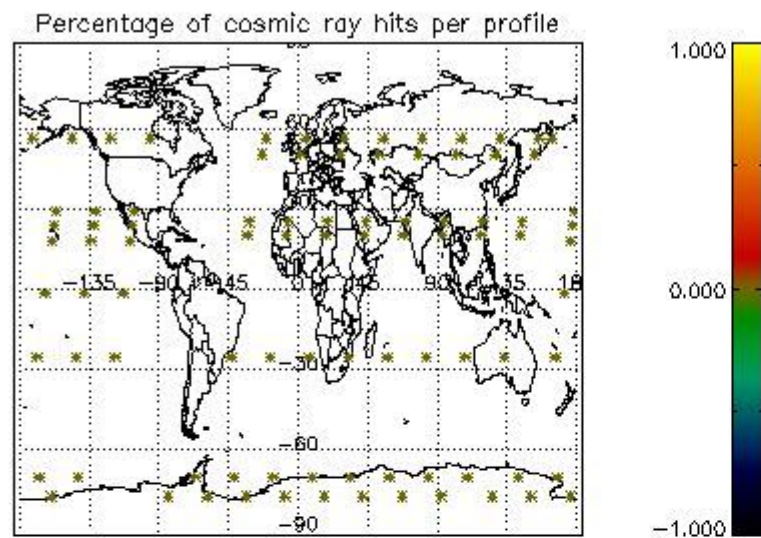


Percentage of saturation errors per profile



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

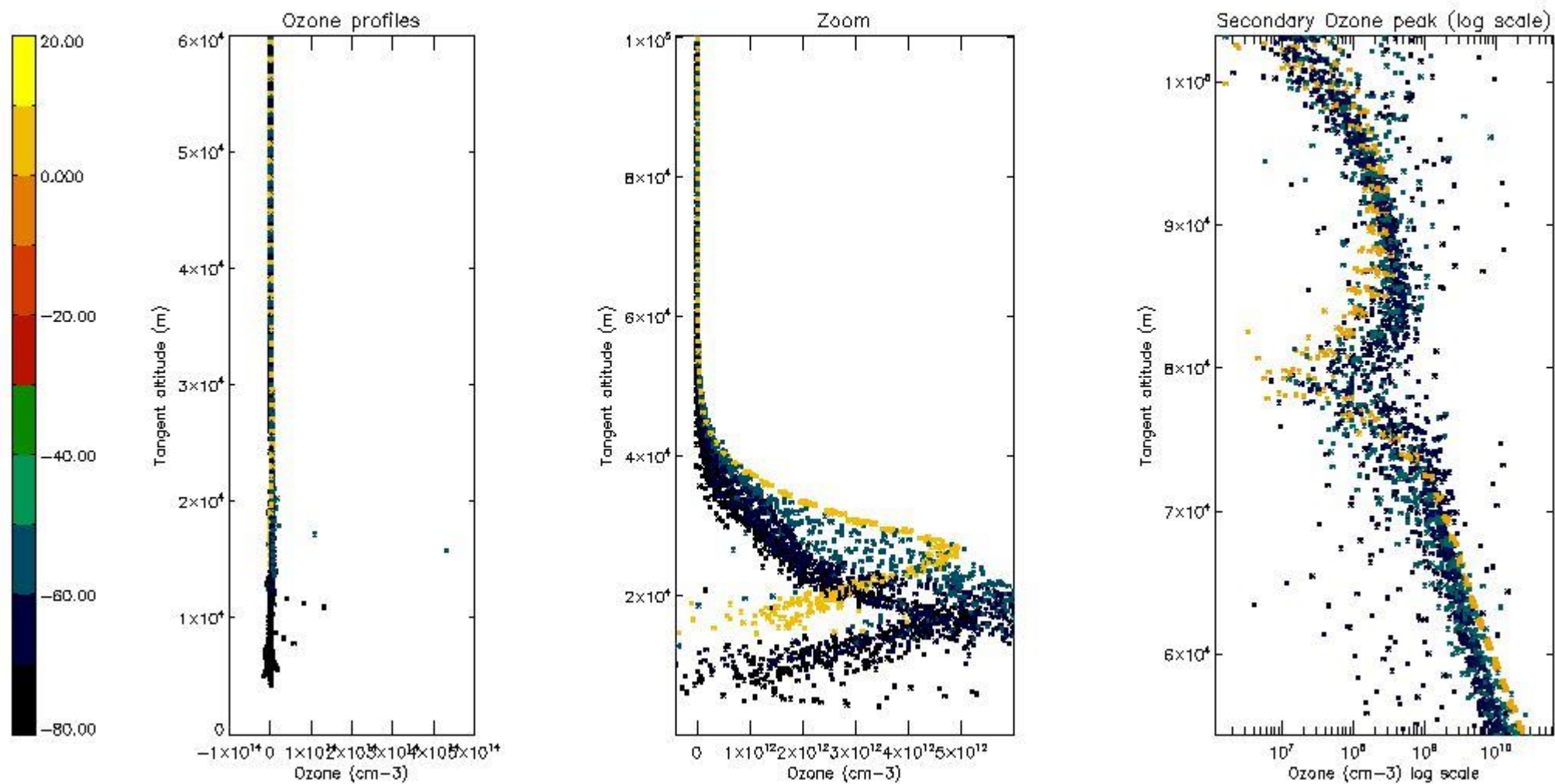
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	41
STD < 20	25

STD < 10	20
STD < 5	15

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

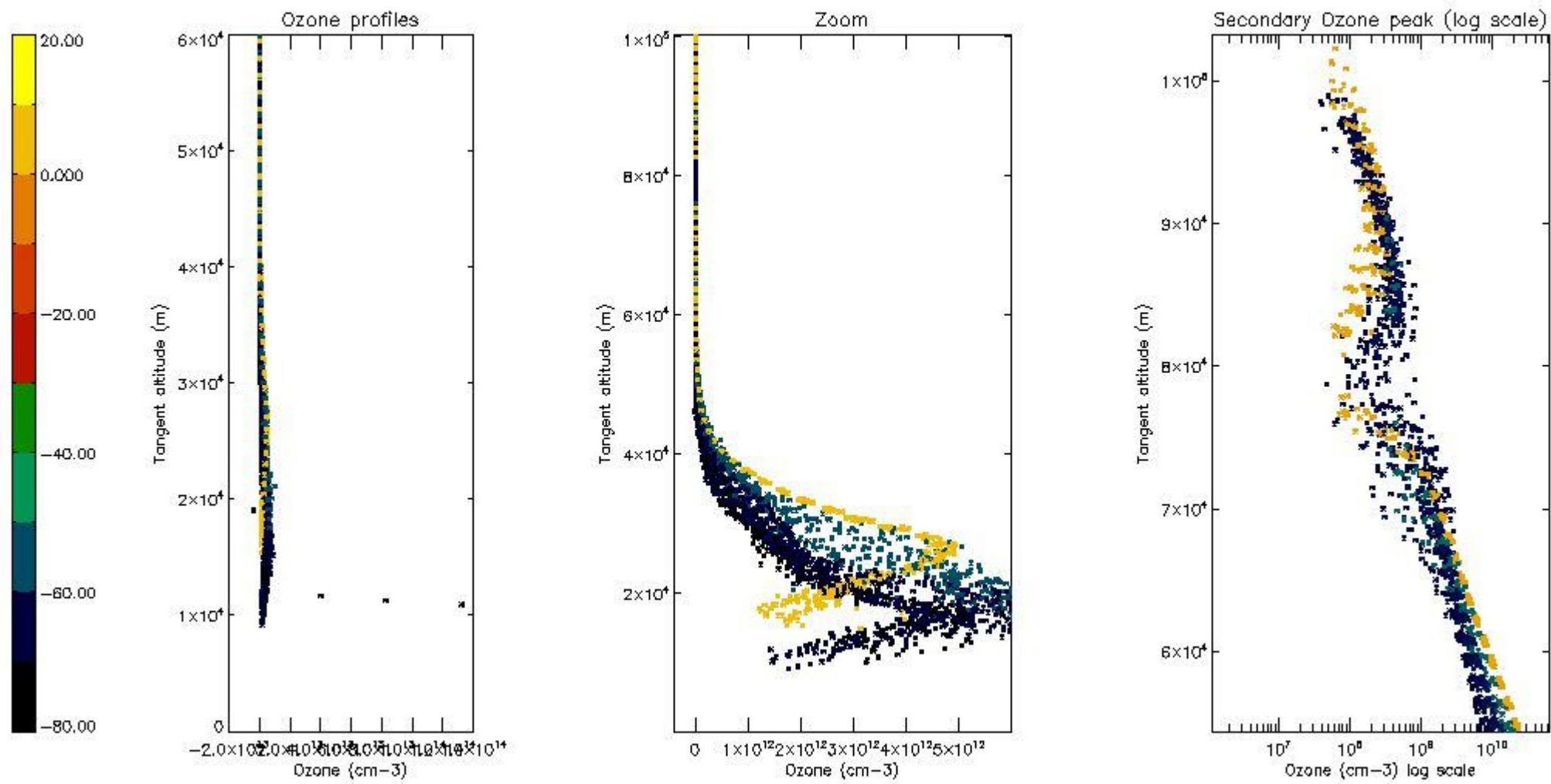
The colorbar represents the latitude.



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

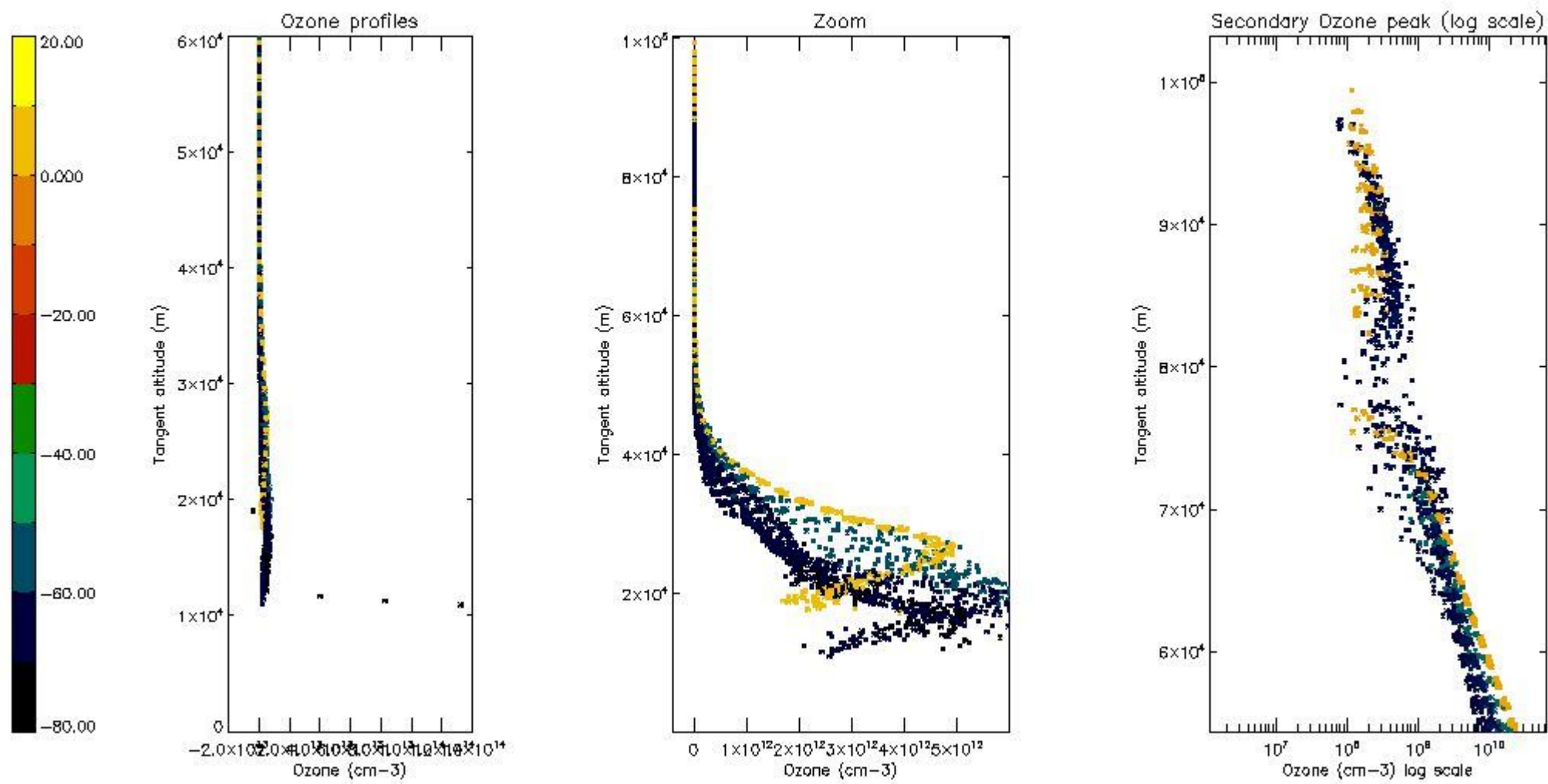
The colorbar represents the latitude.





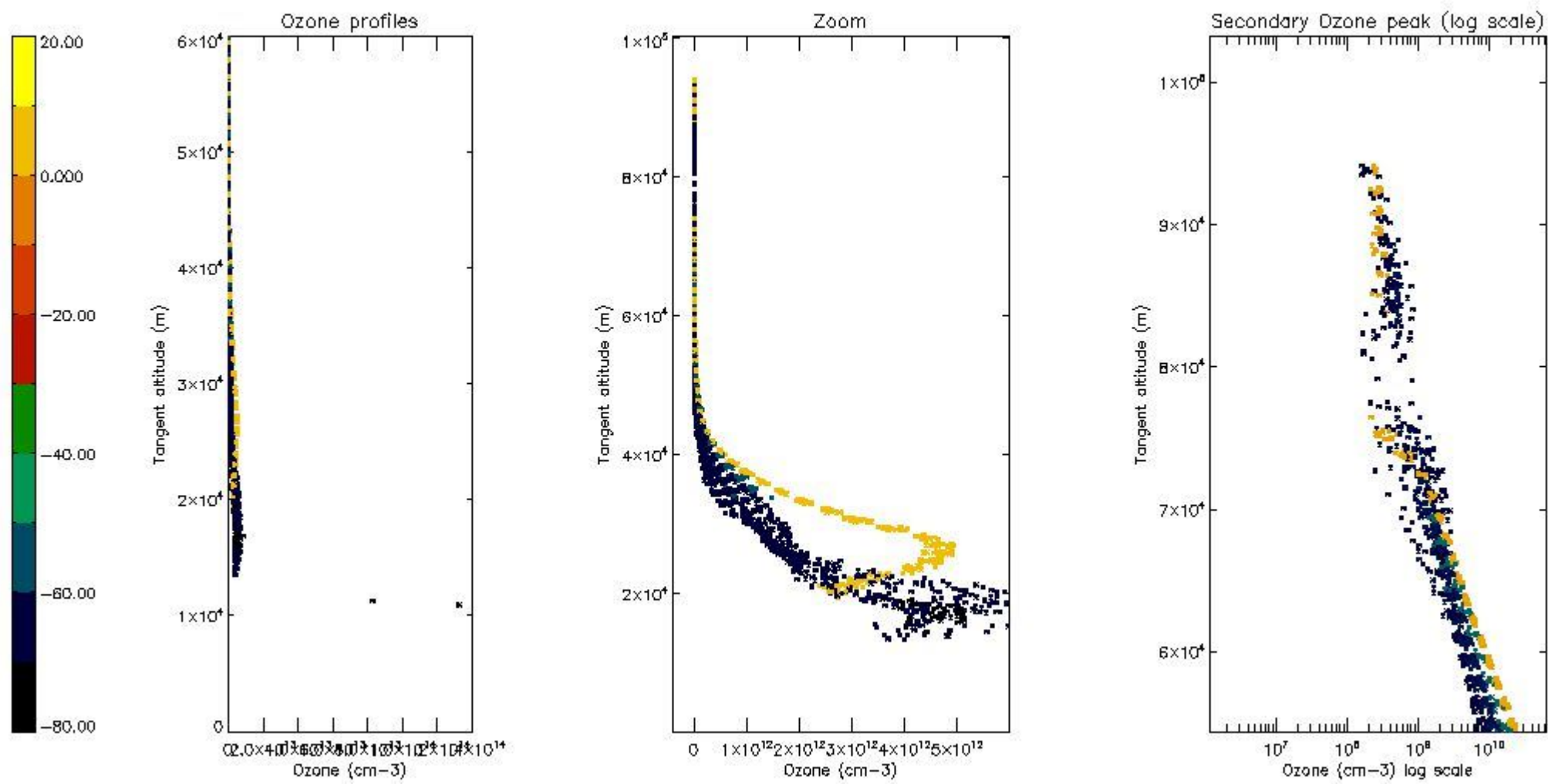
*5.4 Plot ozone profiles where STD < 10% (dark without errors)*

The colorbar represents the latitude.



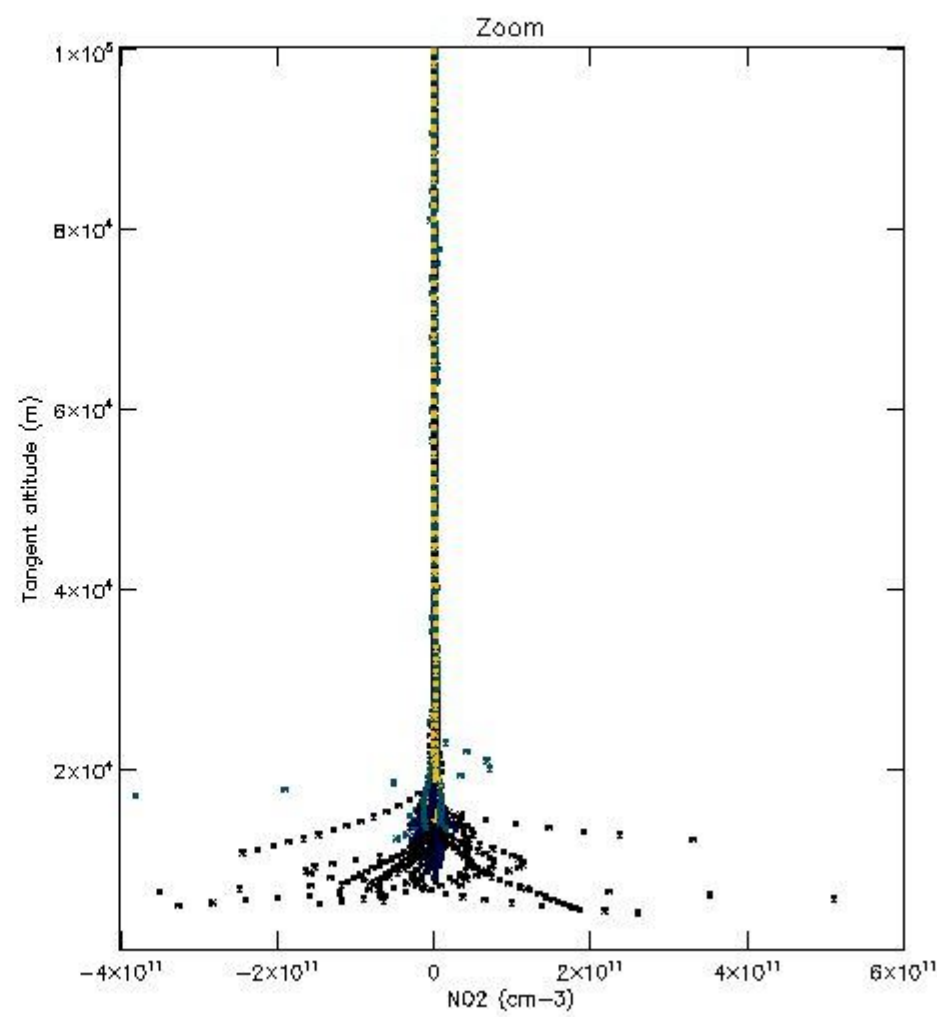
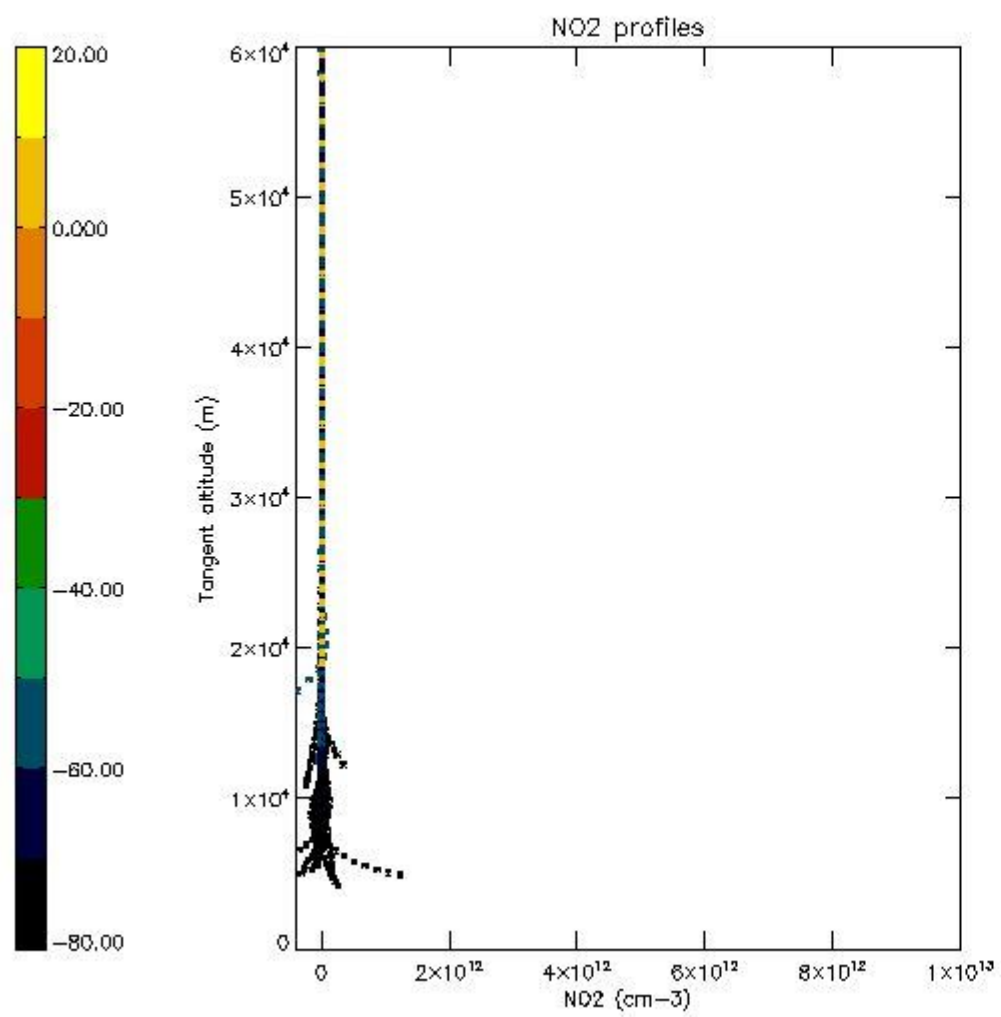
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



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

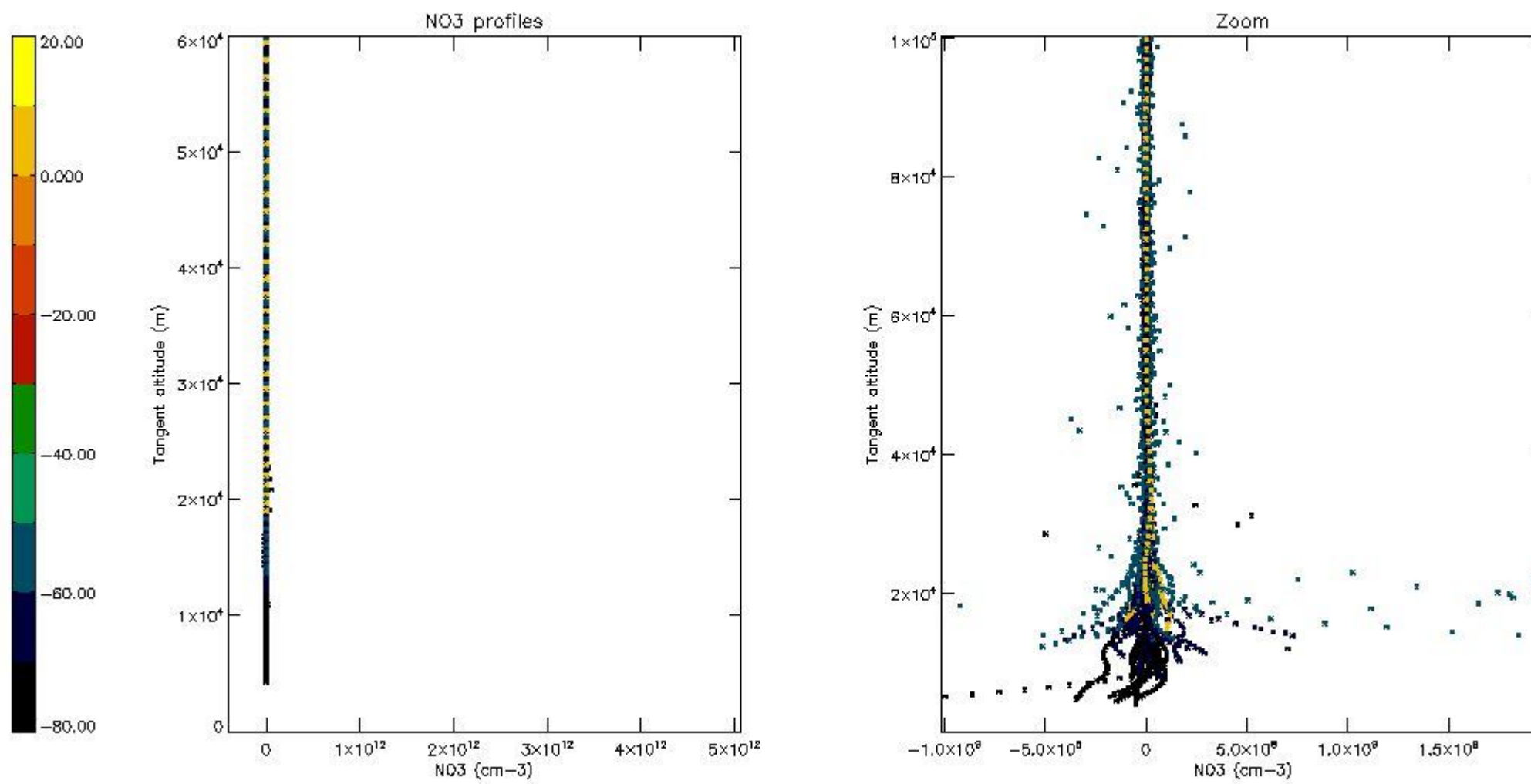
The colorbar represents the latitude.



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

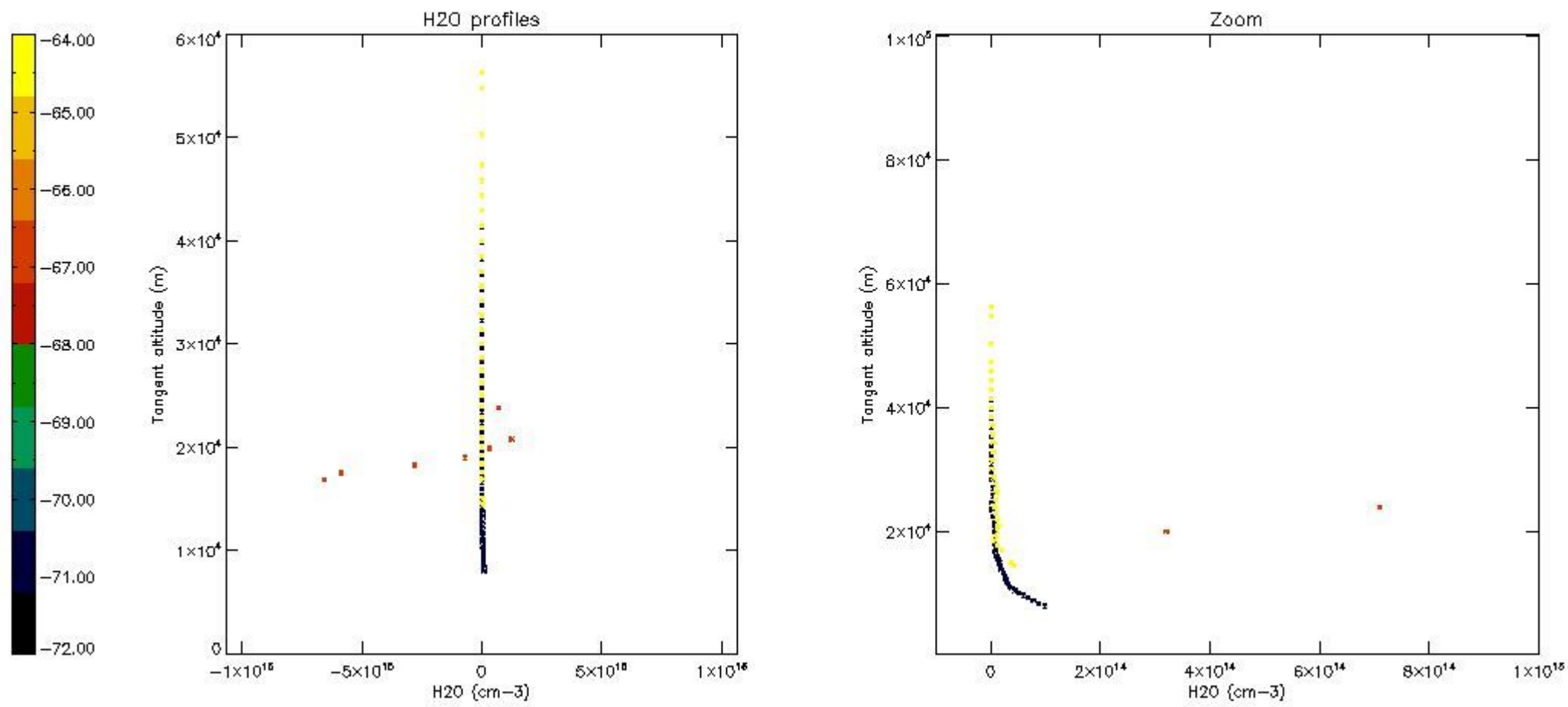
The colorbar represents the latitude.





5.8 Plot H<sub>2</sub>O 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	11-AUG-2007 00:01:16
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	11-AUG-2007 00:01:16
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	11-AUG-2007 00:01:16

# 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	22APR2013 23:46:45
Data source version	GOMOS/6.01
Start time of products	11-08-2007 (11AUG2007 00:00:00)
Stop time of products	12-08-2007 (12AUG2007 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	214
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__2PRFIN20070811_000116_000000432060_00360_28470_6835.N1	11-AUG-2007 00:01:16	Dark	43.000	9	Alp Eri	0.45300	24000.	86	28470	No
2	GOM_NL__2PRFIN20070811_000728_000000492060_00360_28470_6836.N1	11-AUG-2007 00:07:28	Straylight	48.500	148	Alp Tuc	2.8780	4100.0	97	28470	No
3	GOM_NL__2PRFIN20070811_001058_000000442060_00360_28470_6837.N1	11-AUG-2007 00:10:58	Straylight	43.500	31	Alp Gru	1.7340	15200.	87	28470	No
4	GOM_NL__2PRFIN20070811_002854_000000372060_00360_28470_6838.N1	11-AUG-2007 00:28:54	Bright	37.000	11	53Alp Aql	0.76500	8000.0	74	28470	No
5	GOM_NL__2PRFIN20070811_003036_000000362060_00360_28470_6839.N1	11-AUG-2007 00:30:36	Bright	35.500	168	17Zet Aql	2.9860	11000.	71	28470	No
6	GOM_NL__2PRFIN20070811_003744_000000402060_00360_28470_6840.N1	11-AUG-2007 00:37:44	Bright	39.500	5	3Alp Lyr	0.033000	11000.	79	28470	No
7	GOM_NL__2PRFIN20070811_003912_000000342060_00360_28470_6841.N1	11-AUG-2007 00:39:12	Bright	34.000	144	18Del Cyg	2.8600	11000.	68	28470	No
8	GOM_NL__2PRFIN20070811_005154_000000342060_00360_28470_6842.N1	11-AUG-2007 00:51:54	Bright	33.500	49	1Alp UMi	1.9900	6300.0	67	28470	No
9	GOM_NL__2PRFIN20070811_010455_000000362060_00360_28470_6843.N1	11-AUG-2007 01:04:55	Bright	36.000	42	34Bet Aur	1.9000	10200.	72	28470	No
10	GOM_NL__2PRFIN20070811_010716_000000382060_00360_28470_6844.N1	11-AUG-2007 01:07:16	Bright	38.000	107	37The Aur	2.6490	11000.	76	28470	No
11	GOM_NL__2PRFIN20070811_011125_000000462060_00360_28470_6845.N1	11-AUG-2007 01:11:25	Bright	46.000	151	13Mu Gem	2.8900	3000.0	92	28470	No
12	GOM_NL__2PRFIN20070811_011616_000000512060_00360_28470_6846.N1	11-AUG-2007 01:16:16	Dark	51.000	14	58Alp Ori	0.87000	3000.0	102	28470	No
13	GOM_NL__2PRFIN20070811_011921_000000492060_00360_28470_6847.N1	11-AUG-2007 01:19:21	Dark	48.500	33	50Zet Ori	1.7660	30000.	97	28470	No
14	GOM_NL__2PRFIN20070811_012038_000000452060_00360_28470_6848.N1	11-AUG-2007 01:20:38	Dark	44.500	125	44Iot Ori	2.7700	30000.	89	28470	No
15	GOM_NL__2PRFIN20070811_012202_000000442060_00360_28470_6849.N1	11-AUG-2007 01:22:02	Dark	43.500	1	9Alp CMa	-1.4400	11000.	87	28470	No
16	GOM_NL__2PRFIN20070811_012402_000000412060_00360_28470_6850.N1	11-AUG-2007 01:24:02	Dark	40.500	101	11Alp Lep	2.5820	7000.0	81	28470	No
17	GOM_NL__2PRFIN20070811_014153_000000442060_00361_28471_6853.N1	11-AUG-2007 01:41:53	Dark	44.000	9	Alp Eri	0.45300	24000.	88	28471	No
18	GOM_NL__2PRFIN20070811_014805_000000422060_00361_28471_6854.N1	11-AUG-2007 01:48:05	Straylight	42.000	148	Alp Tuc	2.8780	4100.0	84	28471	No
19	GOM_NL__2PRFIN20070811_015135_000000432060_00361_28471_6855.N1	11-AUG-2007 01:51:35	Straylight	42.500	31	Alp Gru	1.7340	15200.	85	28471	No
20	GOM_NL__2PRFIN20070811_020930_000000372060_00361_28471_6856.N1	11-AUG-2007 02:09:30	Bright	36.500	11	53Alp Aql	0.76500	8000.0	73	28471	No
21	GOM_NL__2PRFIN20070811_021112_000000362060_00361_28471_6857.N1	11-AUG-2007 02:11:12	Bright	35.500	168	17Zet Aql	2.9860	11000.	71	28471	No
22	GOM_NL__2PRFIN20070811_021820_000000392060_00361_28471_6858.N1	11-AUG-2007 02:18:20	Bright	38.500	5	3Alp Lyr	0.033000	11000.	77	28471	No
23	GOM_NL__2PRFIN20070811_021948_000000342060_00361_28471_6859.N1	11-AUG-2007 02:19:48	Bright	34.000	144	18Del Cyg	2.8600	11000.	68	28471	No
24	GOM_NL__2PRFIN20070811_023230_000000362060_00361_28471_6860.N1	11-AUG-2007 02:32:30	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	28471	No
25	GOM_NL__2PRFIN20070811_024531_000000372060_00361_28471_6861.N1	11-AUG-2007 02:45:31	Bright	36.500	42	34Bet Aur	1.9000	10200.	73	28471	No
26	GOM_NL__2PRFIN20070811_024752_000000562060_00361_28471_6862.N1	11-AUG-2007 02:47:52	Bright	56.000	107	37The Aur	2.6490	11000.	112	28471	No
27	GOM_NL__2PRFIN20070811_025201_000000442060_00361_28471_6863.N1	11-AUG-2007 02:52:01	Bright	43.500	151	13Mu Gem	2.8900	3000.0	87	28471	No
28	GOM_NL__2PRFIN20070811_025652_000000552060_00361_28471_6864.N1	11-AUG-2007 02:56:52	Dark	54.500	14	58Alp Ori	0.87000	3000.0	109	28471	No
29	GOM_NL__2PRFIN20070811_025957_000000452060_00361_28471_6865.N1	11-AUG-2007 02:59:57	Dark	45.000	33	50Zet Ori	1.7660	30000.	90	28471	No
30	GOM_NL__2PRFIN20070811_030115_000000432060_00361_28471_6866.N1	11-AUG-2007 03:01:15	Dark	42.500	125	44Iot Ori	2.7700	30000.	85	28471	No
31	GOM_NL__2PRFIN20070811_030238_000000452060_00361_28471_6867.N1	11-AUG-2007 03:02:38	Dark	45.000	1	9Alp CMa	-1.4400	11000.	90	28471	No
32	GOM_NL__2PRFIN20070811_030438_000000432060_00361_28471_6868.N1	11-AUG-2007 03:04:38	Dark	43.000	101	11Alp Lep	2.5820	7000.0	86	28471	No
33	GOM_NL__2PRFIN20070811_030640_000000382060_00361_28471_6869.N1	11-AUG-2007 03:06:40	Dark	37.500	177	1Zet CMa	3.0220	26000.	75	28471	No
34	GOM_NL__2PRFIN20070811_032230_000000462060_00362_28472_6863.N1	11-AUG-2007 03:22:30	Dark	46.000	9	Alp Eri	0.45300	24000.	92	28472	No
35	GOM_NL__2PRFIN20070811_032841_000000432060_00362_28472_6864.N1	11-AUG-2007 03:28:41	Straylight	42.500	148	Alp Tuc	2.8780	4100.0	85	28472	No
36	GOM_NL__2PRFIN20070811_033211_000000422060_00362_28472_6865.N1	11-AUG-2007 03:32:11	Straylight	41.500	31	Alp Gru	1.7340	15200.	83	28472	No
37	GOM_NL__2PRFIN20070811_035006_000000372060_00362_28472_6866.N1	11-AUG-2007 03:50:06	Bright	36.500	11	53Alp Aql	0.76500	8000.0	73	28472	No
38	GOM_NL__2PRFIN20070811_035148_000000362060_00362_28472_6867.N1	11-AUG-2007 03:51:48	Bright	35.500	168	17Zet Aql	2.9860	11000.	71	28472	No
39	GOM_NL__2PRFIN20070811_035857_000000382060_00362_28472_6868.N1	11-AUG-2007 03:58:57	Bright	37.500	5	3Alp Lyr	0.033000	11000.	75	28472	No
40	GOM_NL__2PRFIN20070811_040024_000000352060_00362_28472_6869.N1	11-AUG-2007 04:00:24	Bright	35.000	144	18Del Cyg	2.8600	11000.	70	28472	No
41	GOM_NL__2PRFIN20070811_041306_000000332060_00362_28472_6870.N1	11-AUG-2007 04:13:06	Bright	33.000	49	1Alp UMi	1.9900	6300.0	66	28472	No
42	GOM_NL__2PRFIN20070811_042607_000000552060_00362_28472_6871.N1	11-AUG-2007 04:26:07	Bright	55.000	42	34Bet Aur	1.9000	10200.	110	28472	No



43	GOM_NL__2PRFIN20070811_042828_000000382060_00362_28472_6872.N1	11-AUG-2007 04:28:28	Bright	37.500	107	37The Aur	2.6490	11000.	75	28472	No
44	GOM_NL__2PRFIN20070811_043237_000000422060_00362_28472_6873.N1	11-AUG-2007 04:32:37	Bright	41.500	151	13Mu Gem	2.8900	3000.0	83	28472	No
45	GOM_NL__2PRFIN20070811_043729_000000562060_00362_28472_6874.N1	11-AUG-2007 04:37:29	Dark	56.000	14	58Alp Ori	0.87000	3000.0	112	28472	No
46	GOM_NL__2PRFIN20070811_044034_000000452060_00362_28472_6875.N1	11-AUG-2007 04:40:34	Dark	44.500	33	50Zet Ori	1.7660	30000.	89	28472	No
47	GOM_NL__2PRFIN20070811_044151_000000332060_00362_28472_6876.N1	11-AUG-2007 04:41:51	Dark	33.000	125	44Iot Ori	2.7700	30000.	66	28472	No
48	GOM_NL__2PRFIN20070811_044315_000000472060_00362_28472_6877.N1	11-AUG-2007 04:43:15	Dark	47.000	1	9Alp CMa	-1.4400	11000.	94	28472	No
49	GOM_NL__2PRFIN20070811_044515_000000442060_00362_28472_6878.N1	11-AUG-2007 04:45:15	Dark	44.000	101	11Alp Lep	2.5820	7000.0	88	28472	No
50	GOM_NL__2PRFIN20070811_044716_000000382060_00362_28472_6879.N1	11-AUG-2007 04:47:16	Dark	37.500	177	1Zet CMa	3.0220	26000.	75	28472	No
51	GOM_NL__2PRFIN20070811_050306_000000452060_00363_28473_6884.N1	11-AUG-2007 05:03:06	Dark	45.000	9	Alp Eri	0.45300	24000.	90	28473	No
52	GOM_NL__2PRFIN20070811_050917_000000422060_00363_28473_6885.N1	11-AUG-2007 05:09:17	Straylight	42.000	148	Alp Tuc	2.8780	4100.0	84	28473	No
53	GOM_NL__2PRFIN20070811_051248_000000402060_00363_28473_6886.N1	11-AUG-2007 05:12:48	Straylight	40.000	31	Alp Gru	1.7340	15200.	80	28473	No
54	GOM_NL__2PRFIN20070811_053042_000000372060_00363_28473_6887.N1	11-AUG-2007 05:30:42	Bright	36.500	11	53Alp Aql	0.76500	8000.0	73	28473	No
55	GOM_NL__2PRFIN20070811_053224_000000352060_00363_28473_6888.N1	11-AUG-2007 05:32:24	Bright	34.500	168	17Zet Aql	2.9860	11000.	69	28473	No
56	GOM_NL__2PRFIN20070811_053933_000000342060_00363_28473_6889.N1	11-AUG-2007 05:39:33	Bright	33.500	5	3Alp Lyr	0.033000	11000.	67	28473	No
57	GOM_NL__2PRFIN20070811_054100_000000352060_00363_28473_6890.N1	11-AUG-2007 05:41:00	Bright	34.500	144	18Del Cyg	2.8600	11000.	69	28473	No
58	GOM_NL__2PRFIN20070811_055342_000000362060_00363_28473_6891.N1	11-AUG-2007 05:53:42	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	28473	No
59	GOM_NL__2PRFIN20070811_060643_000000552060_00363_28473_6892.N1	11-AUG-2007 06:06:43	Bright	55.000	42	34Bet Aur	1.9000	10200.	110	28473	No
60	GOM_NL__2PRFIN20070811_060904_000000422060_00363_28473_6893.N1	11-AUG-2007 06:09:04	Bright	41.500	107	37The Aur	2.6490	11000.	83	28473	No
61	GOM_NL__2PRFIN20070811_061314_000000452060_00363_28473_6894.N1	11-AUG-2007 06:13:14	Bright	44.500	151	13Mu Gem	2.8900	3000.0	89	28473	No
62	GOM_NL__2PRFIN20070811_061805_000000512060_00363_28473_6895.N1	11-AUG-2007 06:18:05	Dark	51.000	14	58Alp Ori	0.87000	3000.0	102	28473	No
63	GOM_NL__2PRFIN20070811_062110_000000482060_00363_28473_6896.N1	11-AUG-2007 06:21:10	Dark	47.500	33	50Zet Ori	1.7660	30000.	95	28473	No
64	GOM_NL__2PRFIN20070811_062228_000000332060_00363_28473_6897.N1	11-AUG-2007 06:22:28	Dark	33.000	125	44Iot Ori	2.7700	30000.	66	28473	No
65	GOM_NL__2PRFIN20070811_062351_000000452060_00363_28473_6898.N1	11-AUG-2007 06:23:51	Dark	45.000	1	9Alp CMa	-1.4400	11000.	90	28473	No
66	GOM_NL__2PRFIN20070811_062551_000000442060_00363_28473_6899.N1	11-AUG-2007 06:25:51	Dark	44.000	101	11Alp Lep	2.5820	7000.0	88	28473	No
67	GOM_NL__2PRFIN20070811_062753_000000392060_00363_28473_6900.N1	11-AUG-2007 06:27:53	Dark	38.500	177	1Zet CMa	3.0220	26000.	77	28473	No
68	GOM_NL__2PRFIN20070811_064343_000000452060_00364_28474_6897.N1	11-AUG-2007 06:43:43	Dark	44.500	9	Alp Eri	0.45300	24000.	89	28474	No
69	GOM_NL__2PRFIN20070811_064954_000000392060_00364_28474_6898.N1	11-AUG-2007 06:49:54	Straylight	38.500	148	Alp Tuc	2.8780	4100.0	77	28474	No
70	GOM_NL__2PRFIN20070811_065324_000000412060_00364_28474_6899.N1	11-AUG-2007 06:53:24	Straylight	41.000	31	Alp Gru	1.7340	15200.	82	28474	No
71	GOM_NL__2PRFIN20070811_071118_000000362060_00364_28474_6900.N1	11-AUG-2007 07:11:18	Bright	36.000	11	53Alp Aql	0.76500	8000.0	72	28474	No
72	GOM_NL__2PRFIN20070811_071300_000000352060_00364_28474_6901.N1	11-AUG-2007 07:13:00	Bright	34.500	168	17Zet Aql	2.9860	11000.	69	28474	No
73	GOM_NL__2PRFIN20070811_072009_000000392060_00364_28474_6902.N1	11-AUG-2007 07:20:09	Bright	39.000	5	3Alp Lyr	0.033000	11000.	78	28474	No
74	GOM_NL__2PRFIN20070811_072136_000000352060_00364_28474_6903.N1	11-AUG-2007 07:21:36	Bright	35.000	144	18Del Cyg	2.8600	11000.	70	28474	No
75	GOM_NL__2PRFIN20070811_073418_000000332060_00364_28474_6904.N1	11-AUG-2007 07:34:18	Bright	33.000	49	1Alp UMi	1.9900	6300.0	66	28474	No
76	GOM_NL__2PRFIN20070811_074719_000000372060_00364_28474_6905.N1	11-AUG-2007 07:47:19	Bright	36.500	42	34Bet Aur	1.9000	10200.	73	28474	No
77	GOM_NL__2PRFIN20070811_074940_000000362060_00364_28474_6906.N1	11-AUG-2007 07:49:40	Bright	36.000	107	37The Aur	2.6490	11000.	72	28474	No
78	GOM_NL__2PRFIN20070811_075350_000000442060_00364_28474_6907.N1	11-AUG-2007 07:53:50	Bright	44.000	151	13Mu Gem	2.8900	3000.0	88	28474	No
79	GOM_NL__2PRFIN20070811_075841_000000522060_00364_28474_6908.N1	11-AUG-2007 07:58:41	Dark	52.000	14	58Alp Ori	0.87000	3000.0	104	28474	No
80	GOM_NL__2PRFIN20070811_080147_000000452060_00364_28474_6909.N1	11-AUG-2007 08:01:47	Dark	45.000	33	50Zet Ori	1.7660	30000.	90	28474	No
81	GOM_NL__2PRFIN20070811_080427_000000442060_00364_28474_6910.N1	11-AUG-2007 08:04:27	Dark	44.000	1	9Alp CMa	-1.4400	11000.	88	28474	No
82	GOM_NL__2PRFIN20070811_080628_000000432060_00364_28474_6911.N1	11-AUG-2007 08:06:28	Dark	43.000	101	11Alp Lep	2.5820	7000.0	86	28474	No
83	GOM_NL__2PRFIN20070811_080829_000000362060_00364_28474_6912.N1	11-AUG-2007 08:08:29	Dark	36.000	177	1Zet CMa	3.0220	26000.	72	28474	No
84	GOM_NL__2PRFIN20070811_082420_000000432060_00365_28475_6911.N1	11-AUG-2007 08:24:20	Dark	42.500	9	Alp Eri	0.45300	24000.	85	28475	No
85	GOM_NL__2PRFIN20070811_083030_000000392060_00365_28475_6912.N1	11-AUG-2007 08:30:30	Straylight	39.000	148	Alp Tuc	2.8780	4100.0	78	28475	No
86	GOM_NL__2PRFIN20070811_083400_000000442060_00365_28475_6913.N1	11-AUG-2007 08:34:00	Straylight	43.500	31	Alp Gru	1.7340	15200.	87	28475	No
87	GOM_NL__2PRFIN20070811_085154_000000372060_00365_28475_6914.N1	11-AUG-2007 08:51:54	Bright	36.500	11	53Alp Aql	0.76500	8000.0	73	28475	No
88	GOM_NL__2PRFIN20070811_085336_000000342060_00365_28475_6915.N1	11-AUG-2007 08:53:36	Bright	33.500	168	17Zet Aql	2.9860	11000.	67	28475	No
89	GOM_NL__2PRFIN20070811_090045_000000362060_00365_28475_6916.N1	11-AUG-2007 09:00:45	Bright	35.500	5	3Alp Lyr	0.033000	11000.	71	28475	No
90	GOM_NL__2PRFIN20070811_090212_000000352060_00365_28475_6917.N1	11-AUG-2007 09:02:12	Bright	34.500	144	18Del Cyg	2.8600	11000.	69	28475	No
91	GOM_NL__2PRFIN20070811_091454_000000362060_00365_28475_6918.N1	11-AUG-2007 09:14:54	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	28475	No
92	GOM_NL__2PRFIN20070811_092755_000000362060_00365_28475_6919.N1	11-AUG-2007 09:27:55	Bright	36.000	42	34Bet Aur	1.9000	10200.	72	28475	No
93	GOM_NL__2PRFIN20070811_093016_000000352060_00365_28475_6920.N1	11-AUG-2007 09:30:16	Bright	34.500	107	37The Aur	2.6490	11000.	69	28475	No
94	GOM_NL__2PRFIN20070811_093426_000000462060_00365_28475_6921.N1	11-AUG-2007 09:34:26	Bright	46.000	151	13Mu Gem	2.8900	3000.0	92	28475	No
95	GOM_NL__2PRFIN20070811_093917_000000562060_00365_28475_6922.N1	11-AUG-2007 09:39:17	Dark	55.500	14	58Alp Ori	0.87000	3000.0	111	28475	No
96	GOM_NL__2PRFIN20070811_094223_000000452060_00365_28475_6923.N1	11-AUG-2007 09:42:23	Dark	44.500	33	50Zet Ori	1.7660	30000.	89	28475	No
97	GOM_NL__2PRFIN20070811_094503_000000422060_00365_28475_6924.N1	11-AUG-2007 09:45:03	Dark	42.000	1	9Alp CMa	-1.4400	11000.	84	28475	No
98	GOM_NL__2PRFIN20070811_094704_000000402060_00365_28475_6925.N1	11-AUG-2007 09:47:04	Dark	40.000	101	11Alp Lep	2.5820	7000.0	80	28475	No
99	GOM_NL__2PRFIN20070811_094905_000000362060_00365_28475_6926.N1	11-AUG-2007 09:49:05	Dark	36.000	177	1Zet CMa	3.0220	26000.	72	28475	No
100	GOM_NL__2PRFIN20070811_100456_000000422060_00366_28476_6944.N1	11-AUG-2007 10:04:56	Dark	42.000	9	Alp Eri	0.45300	24000.	84	28476	No
101	GOM_NL__2PRFIN20070811_101106_000000442060_00366_28476_6945.N1	11-AUG-2007 10:11:06	Straylight	44.000	148	Alp Tuc	2.8780	4100.0	88	28476	No

102	GOM_NL__2PRFIN20070811_101437_000000432060_00366_28476_6946.N1	11-AUG-2007 10:14:37	Straylight	42.500	31	Alp Gru	1.7340	15200.	85	28476	No
103	GOM_NL__2PRFIN20070811_103230_000000372060_00366_28476_6947.N1	11-AUG-2007 10:32:30	Bright	36.500	11	53Alp Aql	0.76500	8000.0	73	28476	No
104	GOM_NL__2PRFIN20070811_103413_000000352060_00366_28476_6948.N1	11-AUG-2007 10:34:13	Bright	35.000	168	17Zet Aql	2.9860	11000.	70	28476	No
105	GOM_NL__2PRFIN20070811_104121_000000382060_00366_28476_6949.N1	11-AUG-2007 10:41:21	Bright	37.500	5	3Alp Lyr	0.033000	11000.	75	28476	No
106	GOM_NL__2PRFIN20070811_104247_000000352060_00366_28476_6950.N1	11-AUG-2007 10:42:47	Bright	35.000	144	18Del Cyg	2.8600	11000.	70	28476	No
107	GOM_NL__2PRFIN20070811_105530_000000362060_00366_28476_6951.N1	11-AUG-2007 10:55:30	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	28476	No
108	GOM_NL__2PRFIN20070811_110831_000000362060_00366_28476_6952.N1	11-AUG-2007 11:08:31	Bright	35.500	42	34Bet Aur	1.9000	10200.	71	28476	No
109	GOM_NL__2PRFIN20070811_111052_000000382060_00366_28476_6953.N1	11-AUG-2007 11:10:52	Bright	37.500	107	37The Aur	2.6490	11000.	75	28476	No
110	GOM_NL__2PRFIN20070811_111502_000000402060_00366_28476_6954.N1	11-AUG-2007 11:15:02	Bright	39.500	151	13Mu Gem	2.8900	3000.0	79	28476	No
111	GOM_NL__2PRFIN20070811_111954_000000482060_00366_28476_6955.N1	11-AUG-2007 11:19:54	Dark	48.000	14	58Alp Ori	0.87000	3000.0	96	28476	No
112	GOM_NL__2PRFIN20070811_112259_000000392060_00366_28476_6956.N1	11-AUG-2007 11:22:59	Dark	39.000	33	50Zet Ori	1.7660	30000.	78	28476	No
113	GOM_NL__2PRFIN20070811_112539_000000462060_00366_28476_6957.N1	11-AUG-2007 11:25:39	Dark	46.000	1	9Alp CMa	-1.4400	11000.	92	28476	No
114	GOM_NL__2PRFIN20070811_112741_000000422060_00366_28476_6958.N1	11-AUG-2007 11:27:41	Dark	41.500	101	11Alp Lep	2.5820	7000.0	83	28476	No
115	GOM_NL__2PRFIN20070811_112941_000000362060_00366_28476_6959.N1	11-AUG-2007 11:29:41	Dark	36.000	177	1Zet CMa	3.0220	26000.	72	28476	No
116	GOM_NL__2PRFIN20070811_114533_000000462060_00367_28477_6958.N1	11-AUG-2007 11:45:33	Dark	46.000	9	Alp Eri	0.45300	24000.	92	28477	No
117	GOM_NL__2PRFIN20070811_115143_000000392060_00367_28477_6959.N1	11-AUG-2007 11:51:43	Straylight	38.500	148	Alp Tuc	2.8780	4100.0	77	28477	No
118	GOM_NL__2PRFIN20070811_115513_000000442060_00367_28477_6960.N1	11-AUG-2007 11:55:13	Straylight	43.500	31	Alp Gru	1.7340	15200.	87	28477	No
119	GOM_NL__2PRFIN20070811_121306_000000382060_00367_28477_6961.N1	11-AUG-2007 12:13:06	Bright	37.500	11	53Alp Aql	0.76500	8000.0	75	28477	No
120	GOM_NL__2PRFIN20070811_121448_000000342060_00367_28477_6962.N1	11-AUG-2007 12:14:48	Bright	34.000	168	17Zet Aql	2.9860	11000.	68	28477	No
121	GOM_NL__2PRFIN20070811_122157_000000382060_00367_28477_6963.N1	11-AUG-2007 12:21:57	Bright	37.500	5	3Alp Lyr	0.033000	11000.	75	28477	No
122	GOM_NL__2PRFIN20070811_122323_000000342060_00367_28477_6964.N1	11-AUG-2007 12:23:23	Bright	33.500	144	18Del Cyg	2.8600	11000.	67	28477	No
123	GOM_NL__2PRFIN20070811_123606_000000362060_00367_28477_6965.N1	11-AUG-2007 12:36:06	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	28477	No
124	GOM_NL__2PRFIN20070811_124907_000000362060_00367_28477_6966.N1	11-AUG-2007 12:49:07	Bright	36.000	42	34Bet Aur	1.9000	10200.	72	28477	No
125	GOM_NL__2PRFIN20070811_125128_000000372060_00367_28477_6967.N1	11-AUG-2007 12:51:28	Bright	37.000	107	37The Aur	2.6490	11000.	74	28477	No
126	GOM_NL__2PRFIN20070811_125538_000000462060_00367_28477_6968.N1	11-AUG-2007 12:55:38	Bright	45.500	151	13Mu Gem	2.8900	3000.0	91	28477	No
127	GOM_NL__2PRFIN20070811_130030_000000472060_00367_28477_6969.N1	11-AUG-2007 13:00:30	Dark	46.500	14	58Alp Ori	0.87000	3000.0	93	28477	No
128	GOM_NL__2PRFIN20070811_130336_000000392060_00367_28477_6970.N1	11-AUG-2007 13:03:36	Dark	39.000	33	50Zet Ori	1.7660	30000.	78	28477	No
129	GOM_NL__2PRFIN20070811_130615_000000452060_00367_28477_6971.N1	11-AUG-2007 13:06:15	Dark	44.500	1	9Alp CMa	-1.4400	11000.	89	28477	No
130	GOM_NL__2PRFIN20070811_130817_000000452060_00367_28477_6972.N1	11-AUG-2007 13:08:17	Dark	44.500	101	11Alp Lep	2.5820	7000.0	89	28477	No
131	GOM_NL__2PRFIN20070811_131018_000000382060_00367_28477_6973.N1	11-AUG-2007 13:10:18	Dark	37.500	177	1Zet CMa	3.0220	26000.	75	28477	No
132	GOM_NL__2PRFIN20070811_164723_000000462060_00370_28480_7003.N1	11-AUG-2007 16:47:23	Dark	45.500	9	Alp Eri	0.45300	24000.	91	28480	No
133	GOM_NL__2PRFIN20070811_165331_000000402060_00370_28480_7004.N1	11-AUG-2007 16:53:31	Straylight	40.000	148	Alp Tuc	2.8780	4100.0	80	28480	No
134	GOM_NL__2PRFIN20070811_165702_000000422060_00370_28480_7005.N1	11-AUG-2007 16:57:02	Straylight	42.000	31	Alp Gru	1.7340	15200.	84	28480	No
135	GOM_NL__2PRFIN20070811_170004_000000412060_00370_28480_7006.N1	11-AUG-2007 17:00:04	Straylight	40.500	172	Gam Gru	3.0030	13100.	81	28480	No
136	GOM_NL__2PRFIN20070811_171454_000000392060_00370_28480_7007.N1	11-AUG-2007 17:14:54	Bright	39.000	11	53Alp Aql	0.76500	8000.0	78	28480	No
137	GOM_NL__2PRFIN20070811_172235_000000412060_00370_28480_7008.N1	11-AUG-2007 17:22:35	Bright	40.500	92	53Eps Cyg	2.5000	4500.0	81	28480	No
138	GOM_NL__2PRFIN20070811_172403_000000392060_00370_28480_7009.N1	11-AUG-2007 17:24:03	Bright	39.000	66	37Gam Cyg	2.2080	5900.0	78	28480	No
139	GOM_NL__2PRFIN20070811_172546_000000412060_00370_28480_7010.N1	11-AUG-2007 17:25:46	Bright	40.500	19	50Alp Cyg	1.2460	10500.	81	28480	No
140	GOM_NL__2PRFIN20070811_173111_000000382060_00370_28480_7011.N1	11-AUG-2007 17:31:11	Bright	37.500	89	5Alp Cep	2.4510	8000.0	75	28480	No
141	GOM_NL__2PRFIN20070811_173754_000000362060_00370_28480_7012.N1	11-AUG-2007 17:37:54	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	28480	No
142	GOM_NL__2PRFIN20070811_175055_000000382060_00370_28480_7013.N1	11-AUG-2007 17:50:55	Bright	38.000	42	34Bet Aur	1.9000	10200.	76	28480	No
143	GOM_NL__2PRFIN20070811_175316_000000372060_00370_28480_7014.N1	11-AUG-2007 17:53:16	Bright	36.500	107	37The Aur	2.6490	11000.	73	28480	No
144	GOM_NL__2PRFIN20070811_175726_000000542060_00370_28480_7015.N1	11-AUG-2007 17:57:26	Bright	54.000	151	13Mu Gem	2.8900	3000.0	108	28480	No
145	GOM_NL__2PRFIN20070811_180219_000000572060_00370_28480_7016.N1	11-AUG-2007 18:02:19	Dark	57.000	14	58Alp Ori	0.87000	3000.0	114	28480	No
146	GOM_NL__2PRFIN20070811_180520_000000442060_00370_28480_7017.N1	11-AUG-2007 18:05:20	Dark	43.500	30	46Eps Ori	1.6940	30000.	87	28480	No
147	GOM_NL__2PRFIN20070811_180724_000000422060_00370_28480_7018.N1	11-AUG-2007 18:07:24	Dark	41.500	56	53Kap Ori	2.0650	30000.	83	28480	No
148	GOM_NL__2PRFIN20070811_180848_000000402060_00370_28480_7019.N1	11-AUG-2007 18:08:48	Dark	40.000	47	2Bet CMa	1.9760	28000.	80	28480	No
149	GOM_NL__2PRFIN20070811_181007_000000462060_00370_28480_7020.N1	11-AUG-2007 18:10:07	Dark	45.500	101	11Alp Lep	2.5820	7000.0	91	28480	No
150	GOM_NL__2PRFIN20070811_181206_000000382060_00370_28480_7021.N1	11-AUG-2007 18:12:06	Dark	38.000	177	1Zet CMa	3.0220	26000.	76	28480	No
151	GOM_NL__2PRFIN20070811_182759_000000462060_00371_28481_7017.N1	11-AUG-2007 18:27:59	Dark	46.000	9	Alp Eri	0.45300	24000.	92	28481	No
152	GOM_NL__2PRFIN20070811_183408_000000382060_00371_28481_7018.N1	11-AUG-2007 18:34:08	Straylight	38.000	148	Alp Tuc	2.8780	4100.0	76	28481	No
153	GOM_NL__2PRFIN20070811_183739_000000402060_00371_28481_7019.N1	11-AUG-2007 18:37:39	Straylight	40.000	31	Alp Gru	1.7340	15200.	80	28481	No
154	GOM_NL__2PRFIN20070811_184040_000000402060_00371_28481_7020.N1	11-AUG-2007 18:40:40	Straylight	39.500	172	Gam Gru	3.0030	13100.	79	28481	No
155	GOM_NL__2PRFIN20070811_185530_000000372060_00371_28481_7021.N1	11-AUG-2007 18:55:30	Bright	37.000	11	53Alp Aql	0.76500	8000.0	74	28481	No
156	GOM_NL__2PRFIN20070811_190310_000000402060_00371_28481_7022.N1	11-AUG-2007 19:03:10	Bright	39.500	92	53Eps Cyg	2.5000	4500.0	79	28481	No
157	GOM_NL__2PRFIN20070811_190439_000000382060_00371_28481_7023.N1	11-AUG-2007 19:04:39	Bright	38.000	66	37Gam Cyg	2.2080	5900.0	76	28481	No
158	GOM_NL__2PRFIN20070811_190622_000000382060_00371_28481_7024.N1	11-AUG-2007 19:06:22	Bright	38.000	19	50Alp Cyg	1.2460	10500.	76	28481	No
159	GOM_NL__2PRFIN20070811_191147_000000402060_00371_28481_7025.N1	11-AUG-2007 19:11:47	Bright	40.000	89	5Alp Cep	2.4510	8000.0	80	28481	No
160	GOM_NL__2PRFIN20070811_191830_000000362060_00371_28481_7026.N1	11-AUG-2007 19:18:30	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	28481	No

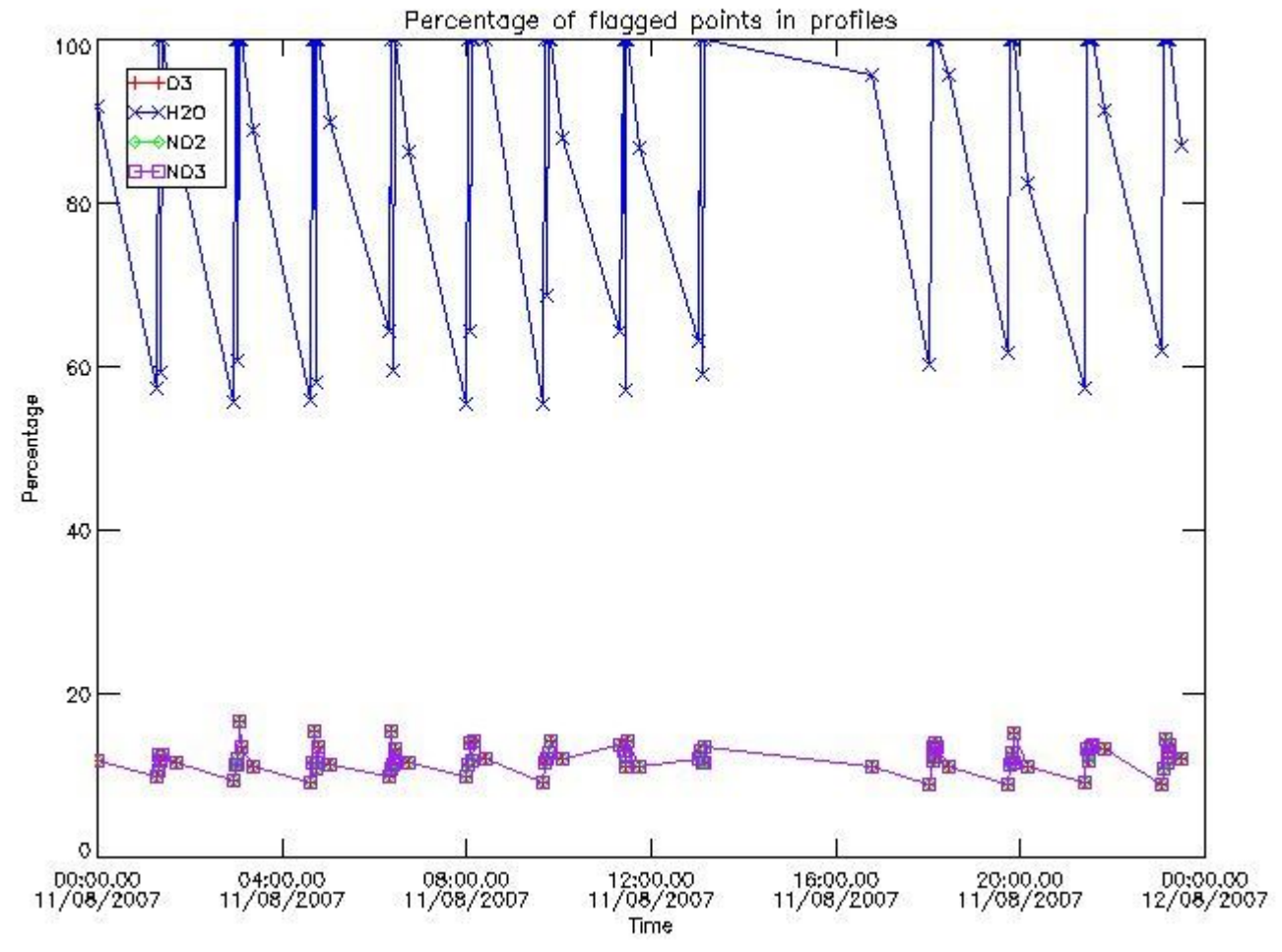
161	GOM_NL__2PRFIN20070811_193131_000000442060_00371_28481_7027.N1	11-AUG-2007 19:31:31	Bright	43.500	42	34Bet Aur	1.9000	10200.	87	28481	No
162	GOM_NL__2PRFIN20070811_193352_000000372060_00371_28481_7028.N1	11-AUG-2007 19:33:52	Bright	37.000	107	37The Aur	2.6490	11000.	74	28481	No
163	GOM_NL__2PRFIN20070811_193803_000000482060_00371_28481_7029.N1	11-AUG-2007 19:38:03	Bright	47.500	151	13Mu Gem	2.8900	3000.0	95	28481	No
164	GOM_NL__2PRFIN20070811_194255_000000572060_00371_28481_7030.N1	11-AUG-2007 19:42:55	Dark	56.500	14	58Alp Ori	0.87000	3000.0	113	28481	No
165	GOM_NL__2PRFIN20070811_194557_000000452060_00371_28481_7031.N1	11-AUG-2007 19:45:57	Dark	45.000	30	46Eps Ori	1.6940	30000.	90	28481	No
166	GOM_NL__2PRFIN20070811_194800_000000442060_00371_28481_7032.N1	11-AUG-2007 19:48:00	Dark	44.000	56	53Kap Ori	2.0650	30000.	88	28481	No
167	GOM_NL__2PRFIN20070811_194924_000000422060_00371_28481_7033.N1	11-AUG-2007 19:49:24	Dark	42.000	47	2Bet CMa	1.9760	28000.	84	28481	No
168	GOM_NL__2PRFIN20070811_195043_000000442060_00371_28481_7034.N1	11-AUG-2007 19:50:43	Dark	44.000	101	11Alp Lep	2.5820	7000.0	88	28481	No
169	GOM_NL__2PRFIN20070811_195243_000000372060_00371_28481_7035.N1	11-AUG-2007 19:52:43	Dark	37.000	177	1Zet CMa	3.0220	26000.	74	28481	No
170	GOM_NL__2PRFIN20070811_200836_000000462060_00372_28482_7026.N1	11-AUG-2007 20:08:36	Dark	46.000	9	Alp Eri	0.45300	24000.	92	28482	No
171	GOM_NL__2PRFIN20070811_201444_000000382060_00372_28482_7027.N1	11-AUG-2007 20:14:44	Straylight	37.500	148	Alp Tuc	2.8780	4100.0	75	28482	No
172	GOM_NL__2PRFIN20070811_201815_000000482060_00372_28482_7028.N1	11-AUG-2007 20:18:15	Straylight	48.000	31	Alp Gru	1.7340	15200.	96	28482	No
173	GOM_NL__2PRFIN20070811_202116_000000412060_00372_28482_7029.N1	11-AUG-2007 20:21:16	Straylight	41.000	172	Gam Gru	3.0030	13100.	82	28482	No
174	GOM_NL__2PRFIN20070811_203606_000000372060_00372_28482_7030.N1	11-AUG-2007 20:36:06	Bright	36.500	11	53Alp Aql	0.76500	8000.0	73	28482	No
175	GOM_NL__2PRFIN20070811_204346_000000402060_00372_28482_7031.N1	11-AUG-2007 20:43:46	Bright	39.500	92	53Eps Cyg	2.5000	4500.0	79	28482	No
176	GOM_NL__2PRFIN20070811_204515_000000392060_00372_28482_7032.N1	11-AUG-2007 20:45:15	Bright	39.000	66	37Gam Cyg	2.2080	5900.0	78	28482	No
177	GOM_NL__2PRFIN20070811_204658_000000412060_00372_28482_7033.N1	11-AUG-2007 20:46:58	Bright	40.500	19	50Alp Cyg	1.2460	10500.	81	28482	No
178	GOM_NL__2PRFIN20070811_205223_000000372060_00372_28482_7034.N1	11-AUG-2007 20:52:23	Bright	37.000	89	5Alp Cep	2.4510	8000.0	74	28482	No
179	GOM_NL__2PRFIN20070811_205906_000000372060_00372_28482_7035.N1	11-AUG-2007 20:59:06	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	28482	No
180	GOM_NL__2PRFIN20070811_211207_000000462060_00372_28482_7036.N1	11-AUG-2007 21:12:07	Bright	45.500	42	34Bet Aur	1.9000	10200.	91	28482	No
181	GOM_NL__2PRFIN20070811_211428_000000562060_00372_28482_7037.N1	11-AUG-2007 21:14:28	Bright	55.500	107	37The Aur	2.6490	11000.	111	28482	No
182	GOM_NL__2PRFIN20070811_211839_000000542060_00372_28482_7038.N1	11-AUG-2007 21:18:39	Bright	54.000	151	13Mu Gem	2.8900	3000.0	108	28482	No
183	GOM_NL__2PRFIN20070811_212012_000000412060_00372_28482_7039.N1	11-AUG-2007 21:20:12	Twilight_stray	40.500	44	24Gam Gem	1.9280	11000.	81	28482	No
184	GOM_NL__2PRFIN20070811_212331_000000562060_00372_28482_7040.N1	11-AUG-2007 21:23:31	Dark	55.500	14	58Alp Ori	0.87000	3000.0	111	28482	No
185	GOM_NL__2PRFIN20070811_212633_000000462060_00372_28482_7041.N1	11-AUG-2007 21:26:33	Dark	46.000	30	46Eps Ori	1.6940	30000.	92	28482	No
186	GOM_NL__2PRFIN20070811_212837_000000442060_00372_28482_7042.N1	11-AUG-2007 21:28:37	Dark	43.500	56	53Kap Ori	2.0650	30000.	87	28482	No
187	GOM_NL__2PRFIN20070811_213001_000000412060_00372_28482_7043.N1	11-AUG-2007 21:30:01	Dark	41.000	47	2Bet CMa	1.9760	28000.	82	28482	No
188	GOM_NL__2PRFIN20070811_213120_000000422060_00372_28482_7044.N1	11-AUG-2007 21:31:20	Dark	41.500	101	11Alp Lep	2.5820	7000.0	83	28482	No
189	GOM_NL__2PRFIN20070811_213319_000000372060_00372_28482_7045.N1	11-AUG-2007 21:33:19	Dark	37.000	177	1Zet CMa	3.0220	26000.	74	28482	No
190	GOM_NL__2PRFIN20070811_214913_000000462060_00373_28483_7047.N1	11-AUG-2007 21:49:13	Dark	46.000	9	Alp Eri	0.45300	24000.	92	28483	No
191	GOM_NL__2PRFIN20070811_215520_000000382060_00373_28483_7048.N1	11-AUG-2007 21:55:20	Straylight	38.000	148	Alp Tuc	2.8780	4100.0	76	28483	No
192	GOM_NL__2PRFIN20070811_215851_000000472060_00373_28483_7049.N1	11-AUG-2007 21:58:51	Straylight	46.500	31	Alp Gru	1.7340	15200.	93	28483	No
193	GOM_NL__2PRFIN20070811_220153_000000422060_00373_28483_7050.N1	11-AUG-2007 22:01:53	Straylight	41.500	172	Gam Gru	3.0030	13100.	83	28483	No
194	GOM_NL__2PRFIN20070811_221642_000000362060_00373_28483_7051.N1	11-AUG-2007 22:16:42	Bright	35.500	11	53Alp Aql	0.76500	8000.0	71	28483	No
195	GOM_NL__2PRFIN20070811_222422_000000392060_00373_28483_7052.N1	11-AUG-2007 22:24:22	Bright	39.000	92	53Eps Cyg	2.5000	4500.0	78	28483	No
196	GOM_NL__2PRFIN20070811_222551_000000382060_00373_28483_7053.N1	11-AUG-2007 22:25:51	Bright	38.000	66	37Gam Cyg	2.2080	5900.0	76	28483	No
197	GOM_NL__2PRFIN20070811_222733_000000392060_00373_28483_7054.N1	11-AUG-2007 22:27:33	Bright	39.000	19	50Alp Cyg	1.2460	10500.	78	28483	No
198	GOM_NL__2PRFIN20070811_223258_000000392060_00373_28483_7055.N1	11-AUG-2007 22:32:58	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	28483	No
199	GOM_NL__2PRFIN20070811_223941_000000332060_00373_28483_7056.N1	11-AUG-2007 22:39:41	Bright	32.500	49	1Alp UMi	1.9900	6300.0	65	28483	No
200	GOM_NL__2PRFIN20070811_225242_000000432060_00373_28483_7057.N1	11-AUG-2007 22:52:42	Bright	43.000	42	34Bet Aur	1.9000	10200.	86	28483	No
201	GOM_NL__2PRFIN20070811_225504_000000432060_00373_28483_7058.N1	11-AUG-2007 22:55:04	Bright	43.000	107	37The Aur	2.6490	11000.	86	28483	No
202	GOM_NL__2PRFIN20070811_225914_000000432060_00373_28483_7059.N1	11-AUG-2007 22:59:14	Bright	42.500	151	13Mu Gem	2.8900	3000.0	85	28483	No
203	GOM_NL__2PRFIN20070811_230048_000000402060_00373_28483_7060.N1	11-AUG-2007 23:00:48	Twilight_stray	40.000	44	24Gam Gem	1.9280	11000.	80	28483	No
204	GOM_NL__2PRFIN20070811_230408_000000572060_00373_28483_7061.N1	11-AUG-2007 23:04:08	Dark	57.000	14	58Alp Ori	0.87000	3000.0	114	28483	No
205	GOM_NL__2PRFIN20070811_230709_000000482060_00373_28483_7062.N1	11-AUG-2007 23:07:09	Dark	47.500	30	46Eps Ori	1.6940	30000.	95	28483	No
206	GOM_NL__2PRFIN20070811_230913_000000432060_00373_28483_7063.N1	11-AUG-2007 23:09:13	Dark	42.500	56	53Kap Ori	2.0650	30000.	85	28483	No
207	GOM_NL__2PRFIN20070811_231037_000000402060_00373_28483_7064.N1	11-AUG-2007 23:10:37	Dark	40.000	47	2Bet CMa	1.9760	28000.	80	28483	No
208	GOM_NL__2PRFIN20070811_231156_000000452060_00373_28483_7065.N1	11-AUG-2007 23:11:56	Dark	44.500	101	11Alp Lep	2.5820	7000.0	89	28483	No
209	GOM_NL__2PRFIN20070811_231355_000000372060_00373_28483_7066.N1	11-AUG-2007 23:13:55	Dark	37.000	177	1Zet CMa	3.0220	26000.	74	28483	No
210	GOM_NL__2PRFIN20070811_232949_000000432060_00374_28484_7059.N1	11-AUG-2007 23:29:49	Dark	42.500	9	Alp Eri	0.45300	24000.	85	28484	No
211	GOM_NL__2PRFIN20070811_233557_000000392060_00374_28484_7060.N1	11-AUG-2007 23:35:57	Straylight	39.000	148	Alp Tuc	2.8780	4100.0	78	28484	No
212	GOM_NL__2PRFIN20070811_233927_000000442060_00374_28484_7061.N1	11-AUG-2007 23:39:27	Straylight	44.000	31	Alp Gru	1.7340	15200.	88	28484	No
213	GOM_NL__2PRFIN20070811_234229_000000422060_00374_28484_7062.N1	11-AUG-2007 23:42:29	Straylight	41.500	172	Gam Gru	3.0030	13100.	83	28484	No
214	GOM_NL__2PRFIN20070811_235718_000000392060_00374_28484_7063.N1	11-AUG-2007 23:57:18	Bright	38.500	11	53Alp Aql	0.76500	8000.0	77	28484	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.

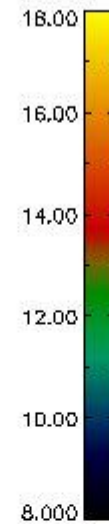
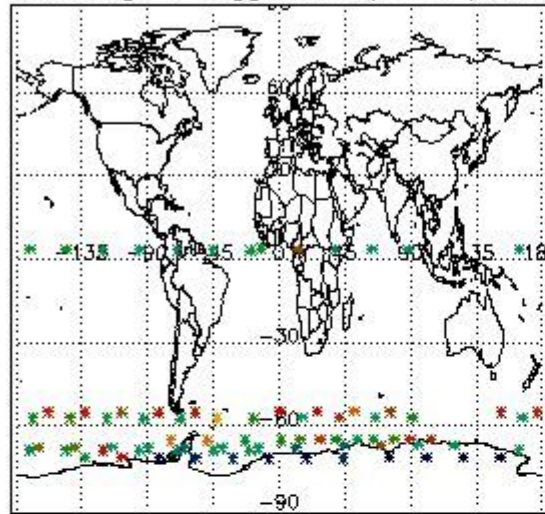
3.1 Plot quality information per product (time dependant)



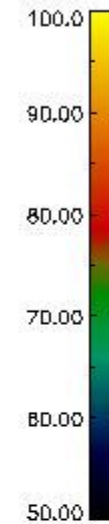
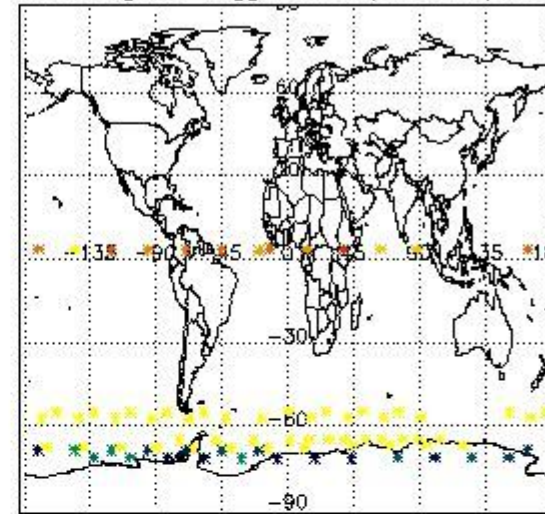
3.2 Plot quality information per product (world map)



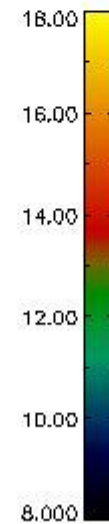
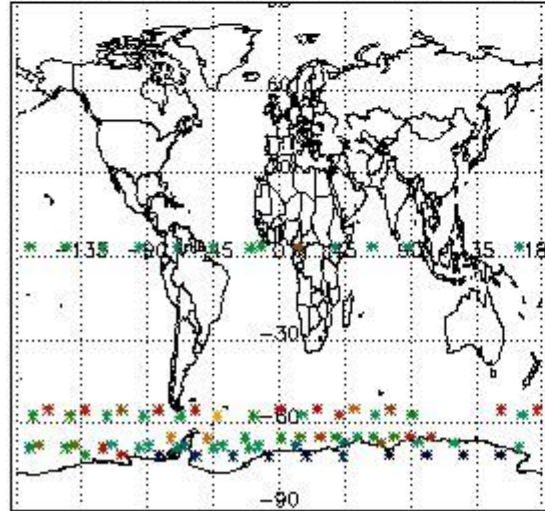
Percentage of flagged data per O3 profile



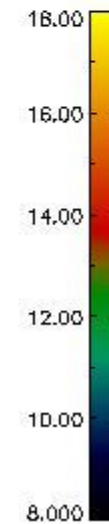
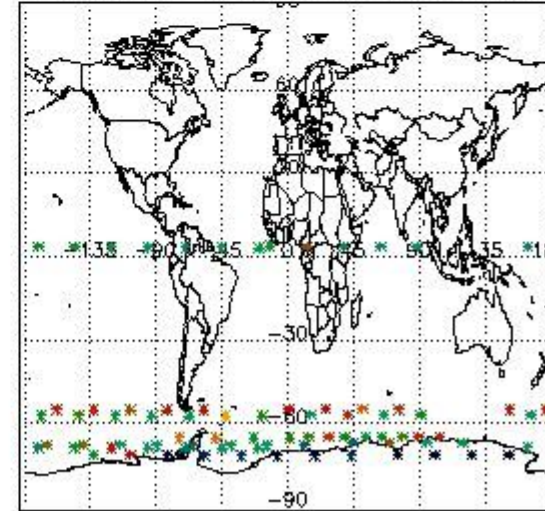
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

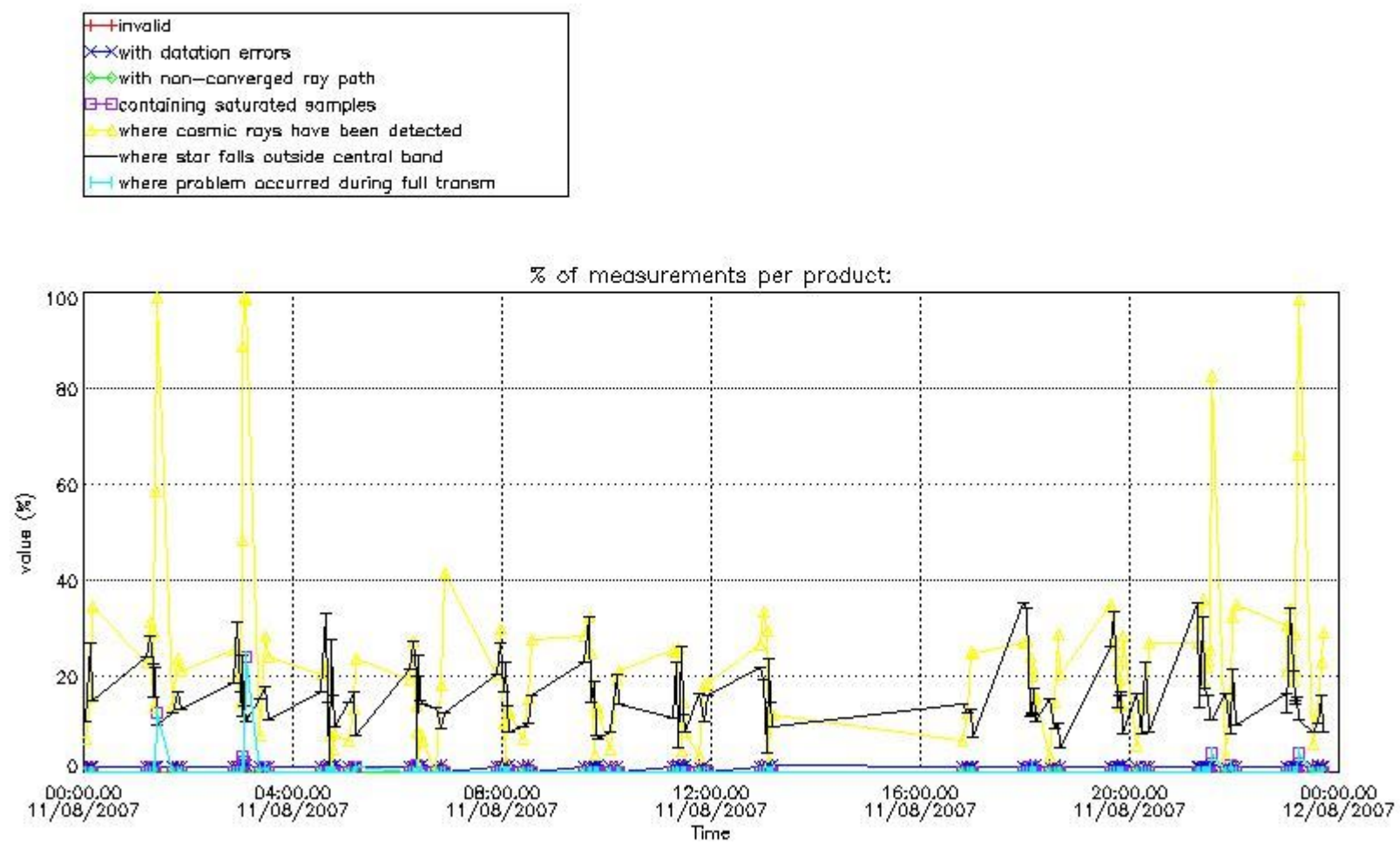


#### 4. Level 1 quality information per product

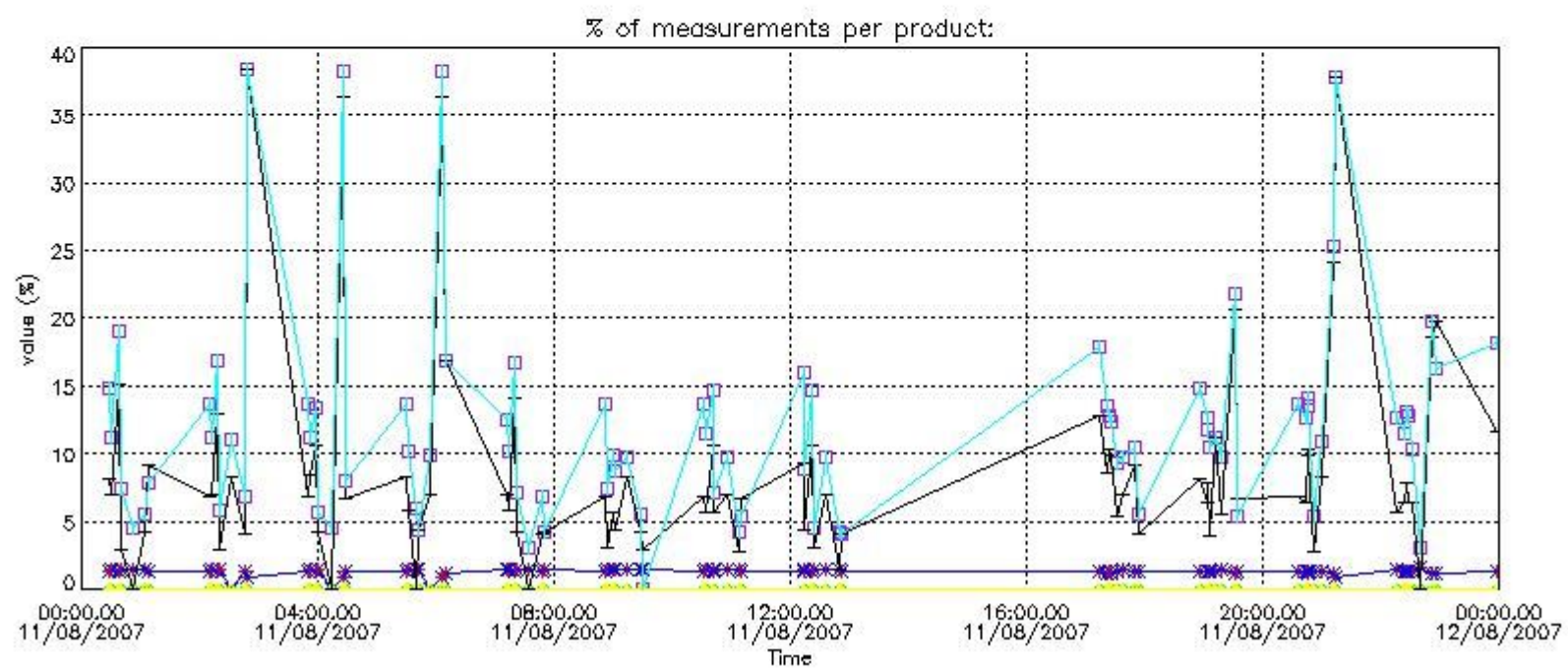
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

##### 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

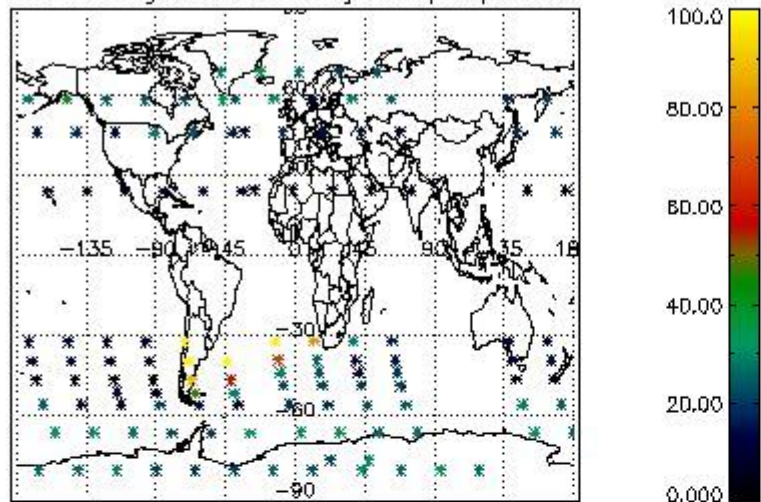


*4.2 Plot quality information per product coming from level 1b processing (world map)*

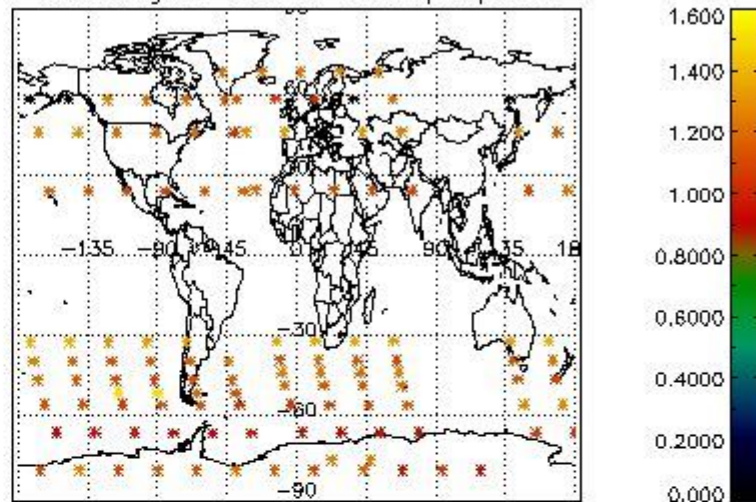
*4.2.1 Plot level 1 quality information per product (world map): ENVISAT ASCENDING passes*



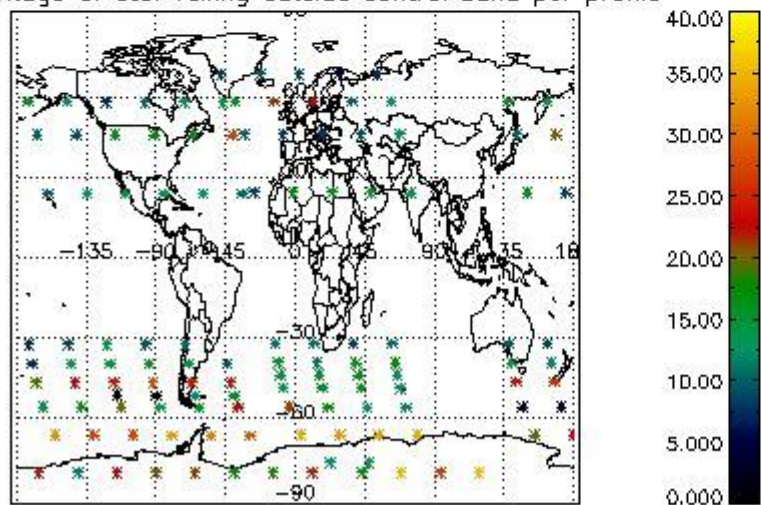
Percentage of cosmic ray hits per profile



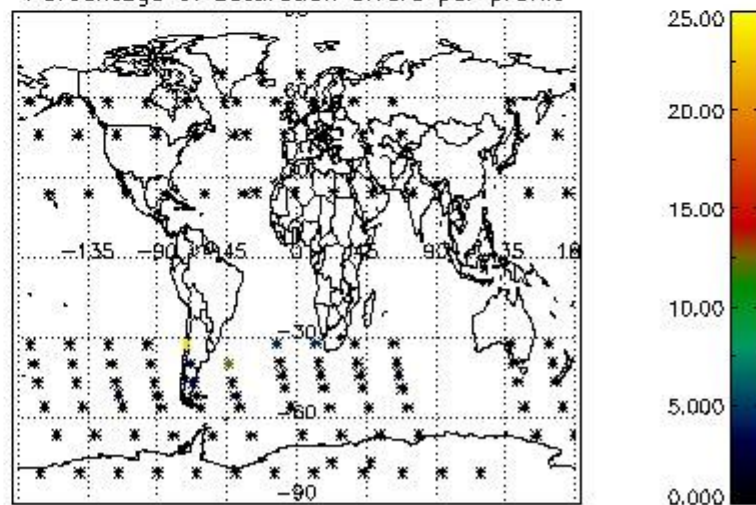
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

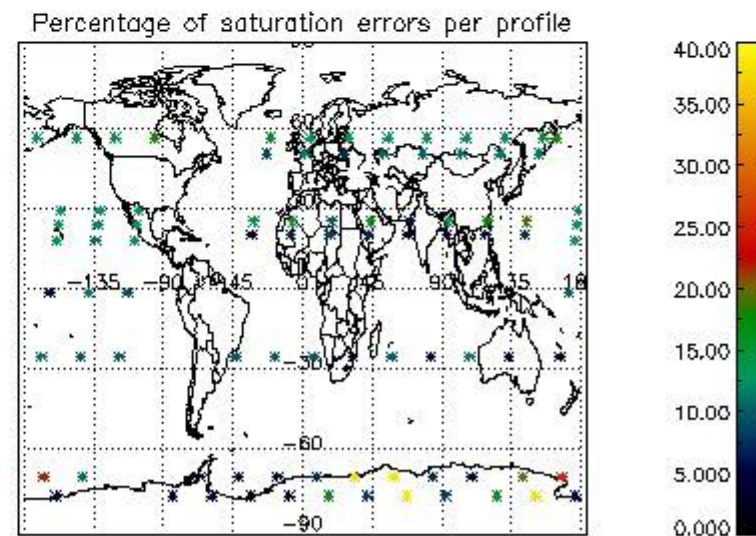
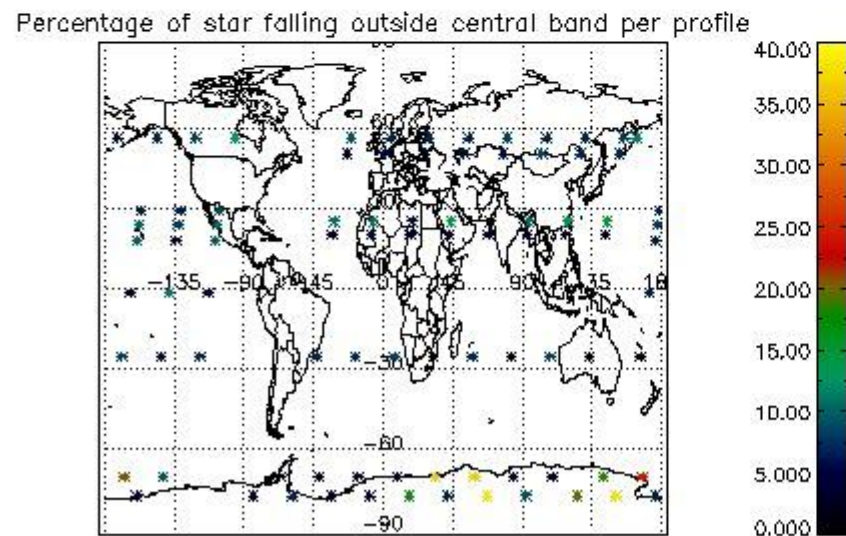
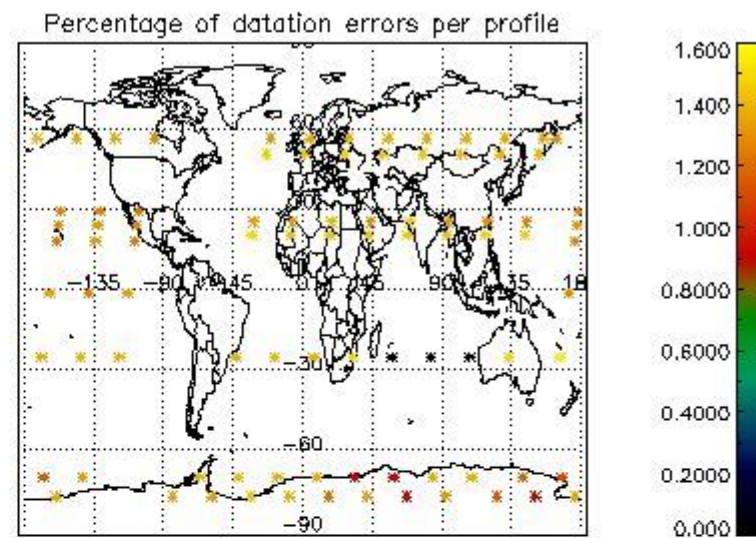
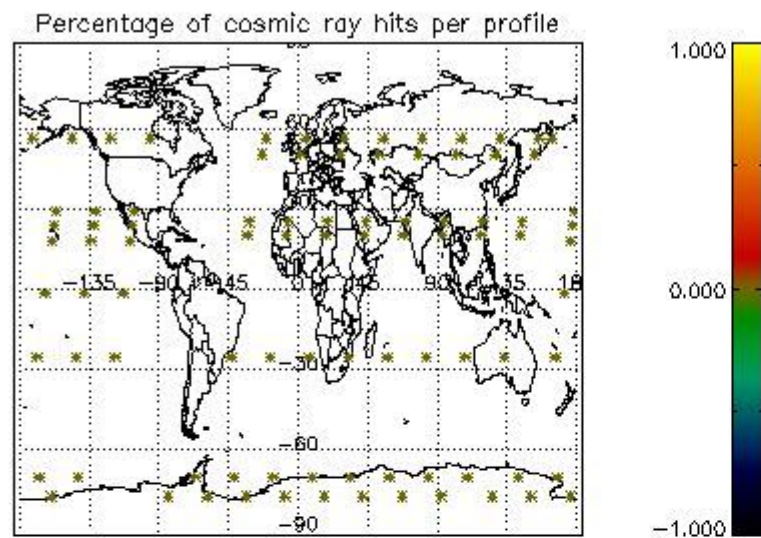


Percentage of saturation errors per profile



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

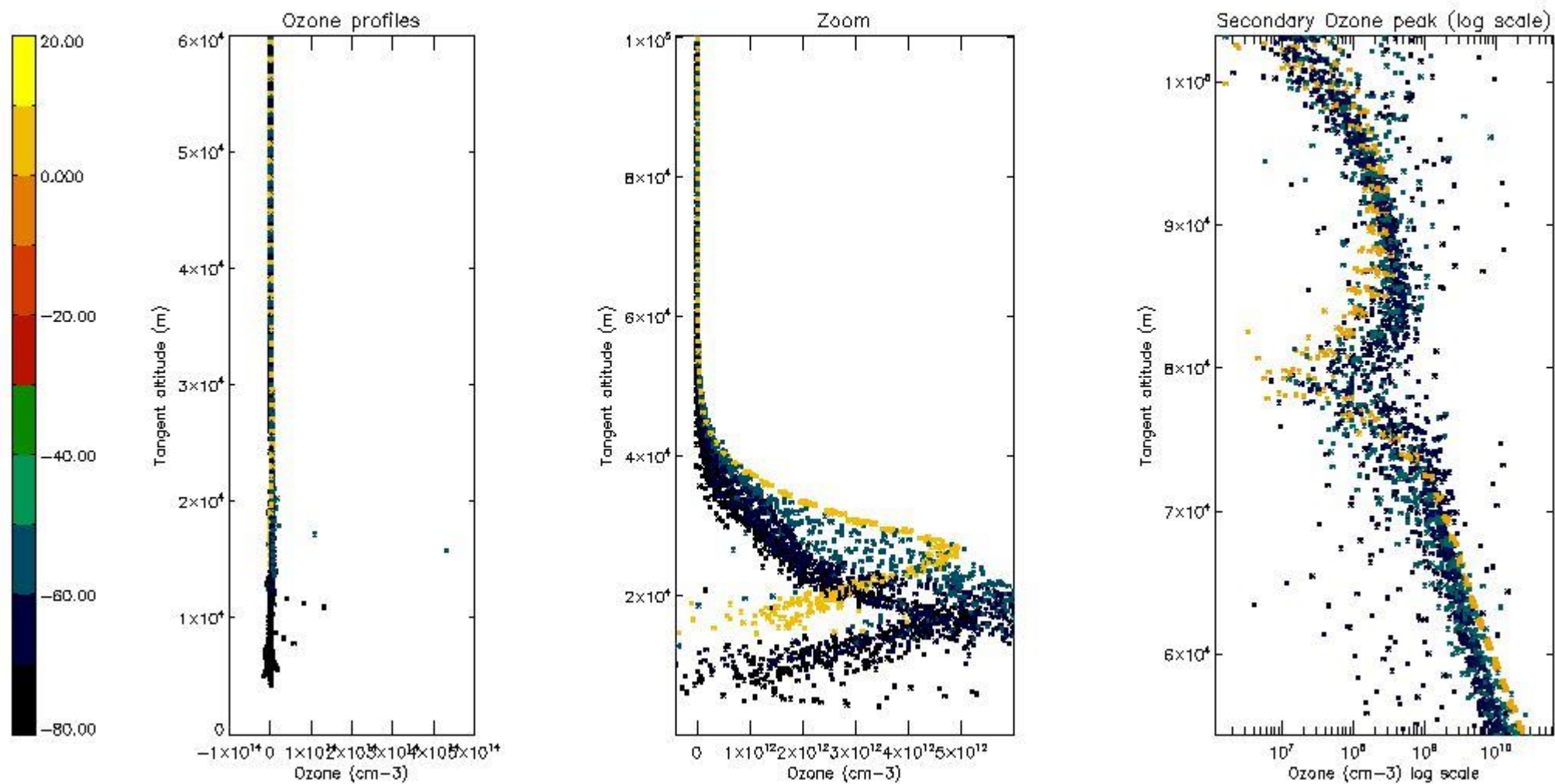
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	41
STD < 20	25

STD < 10	20
STD < 5	15

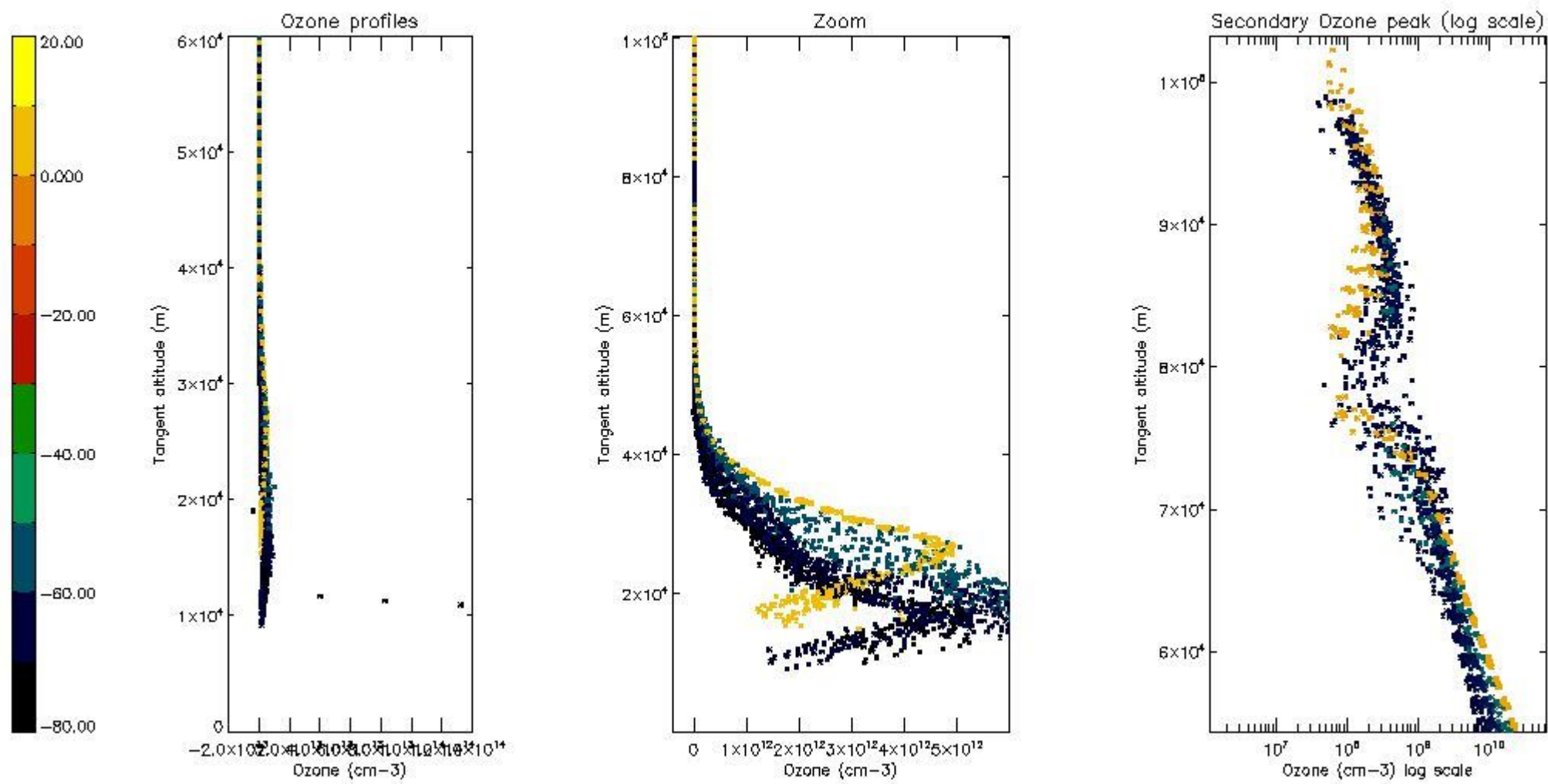
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

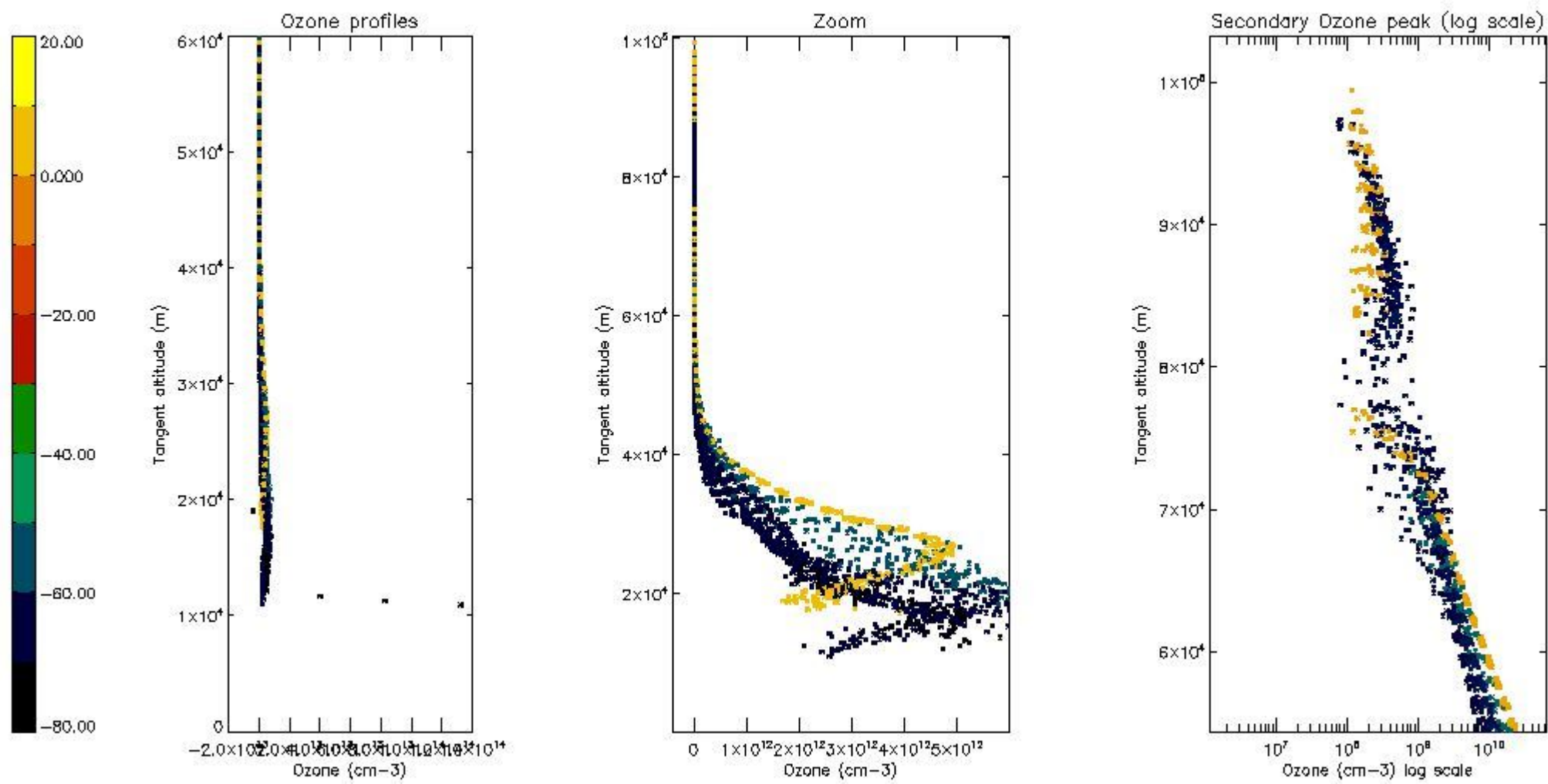
The colorbar represents the latitude.



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

The colorbar represents the latitude.

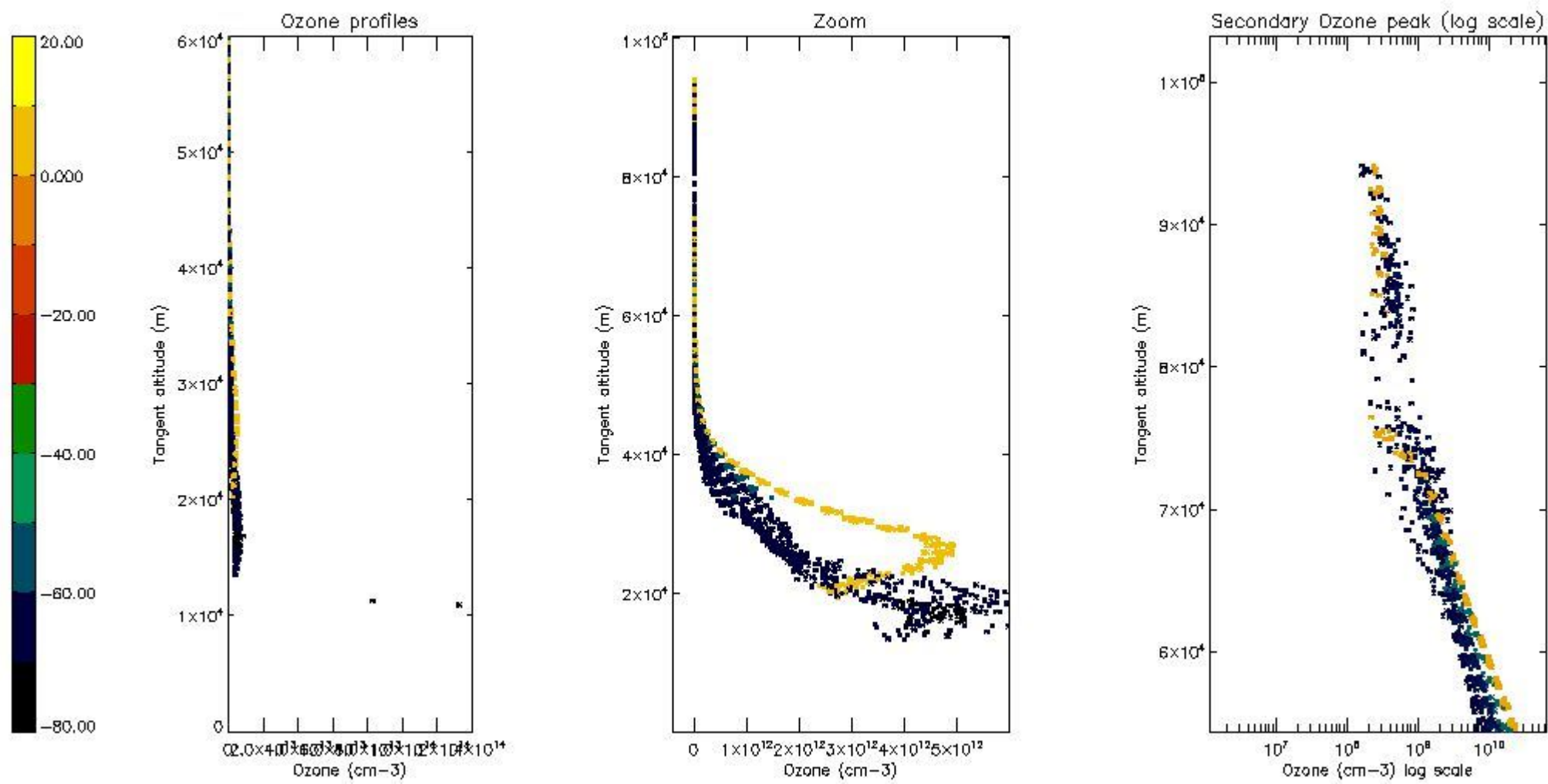




*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

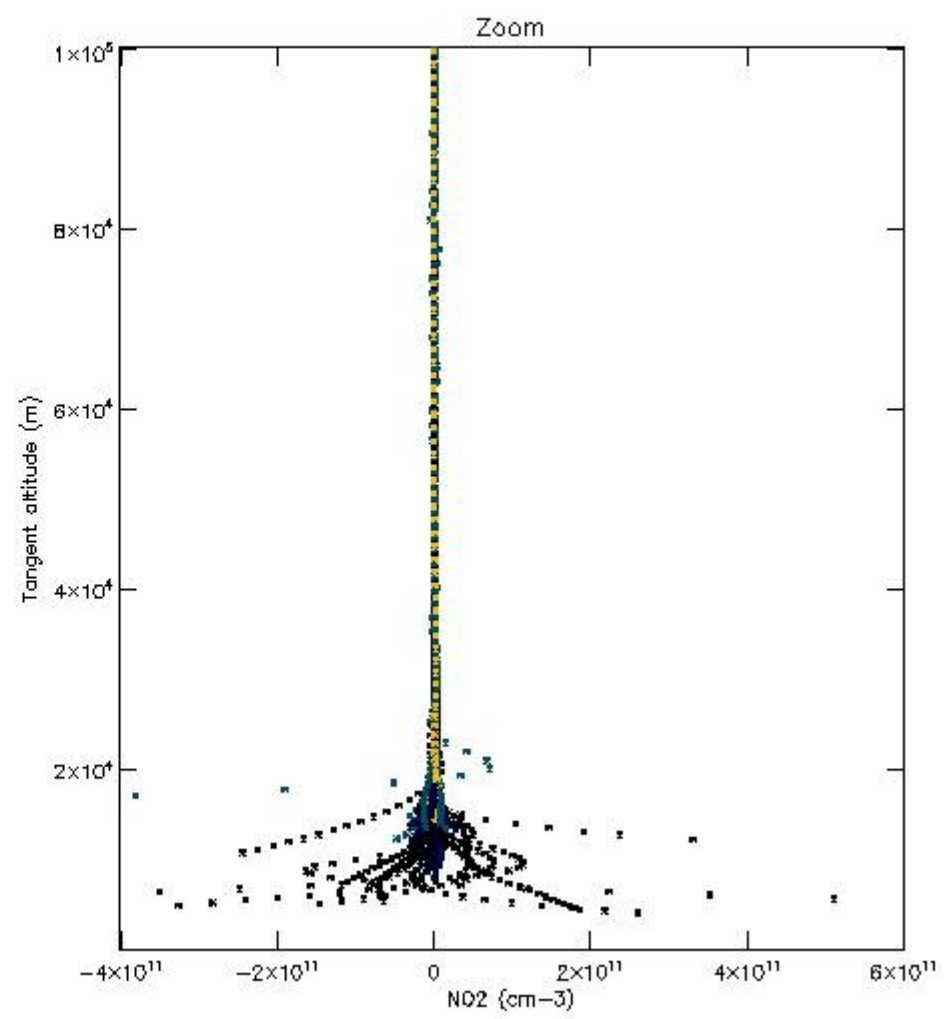
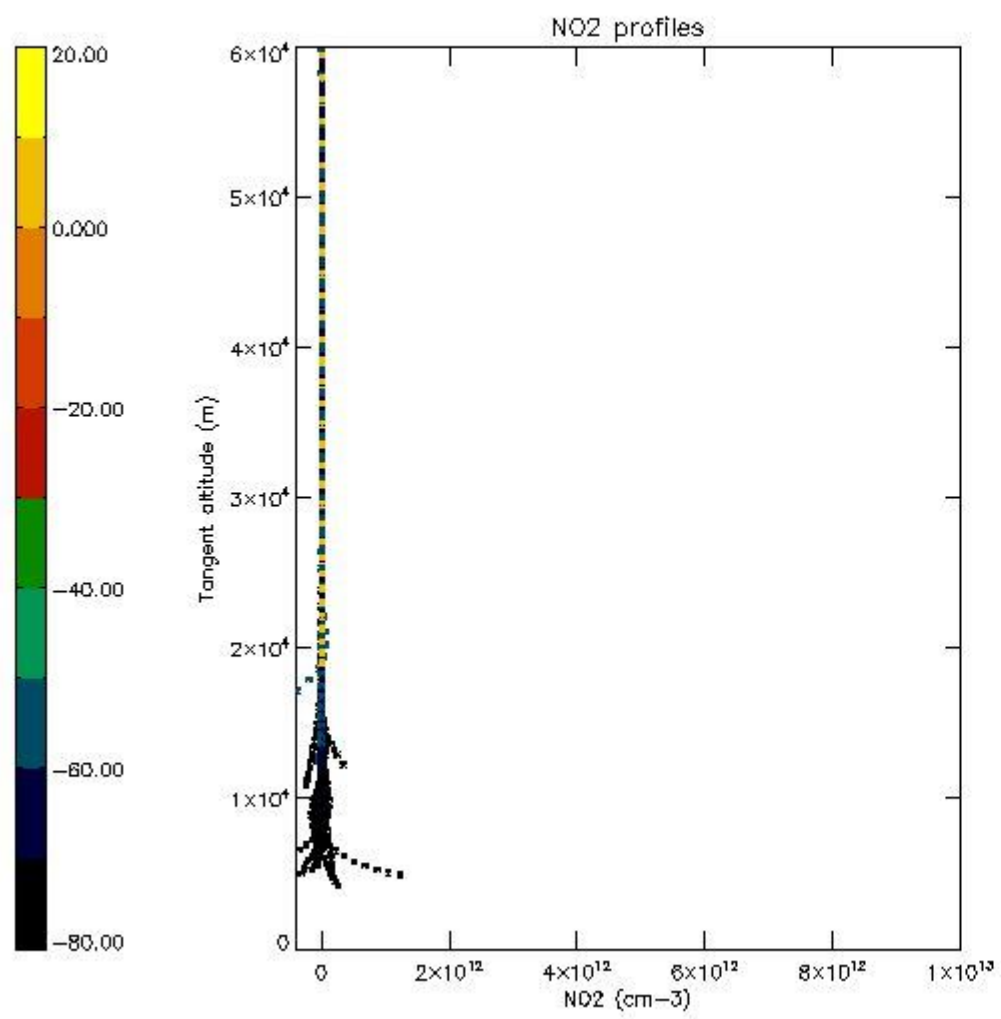
The colorbar represents the latitude.





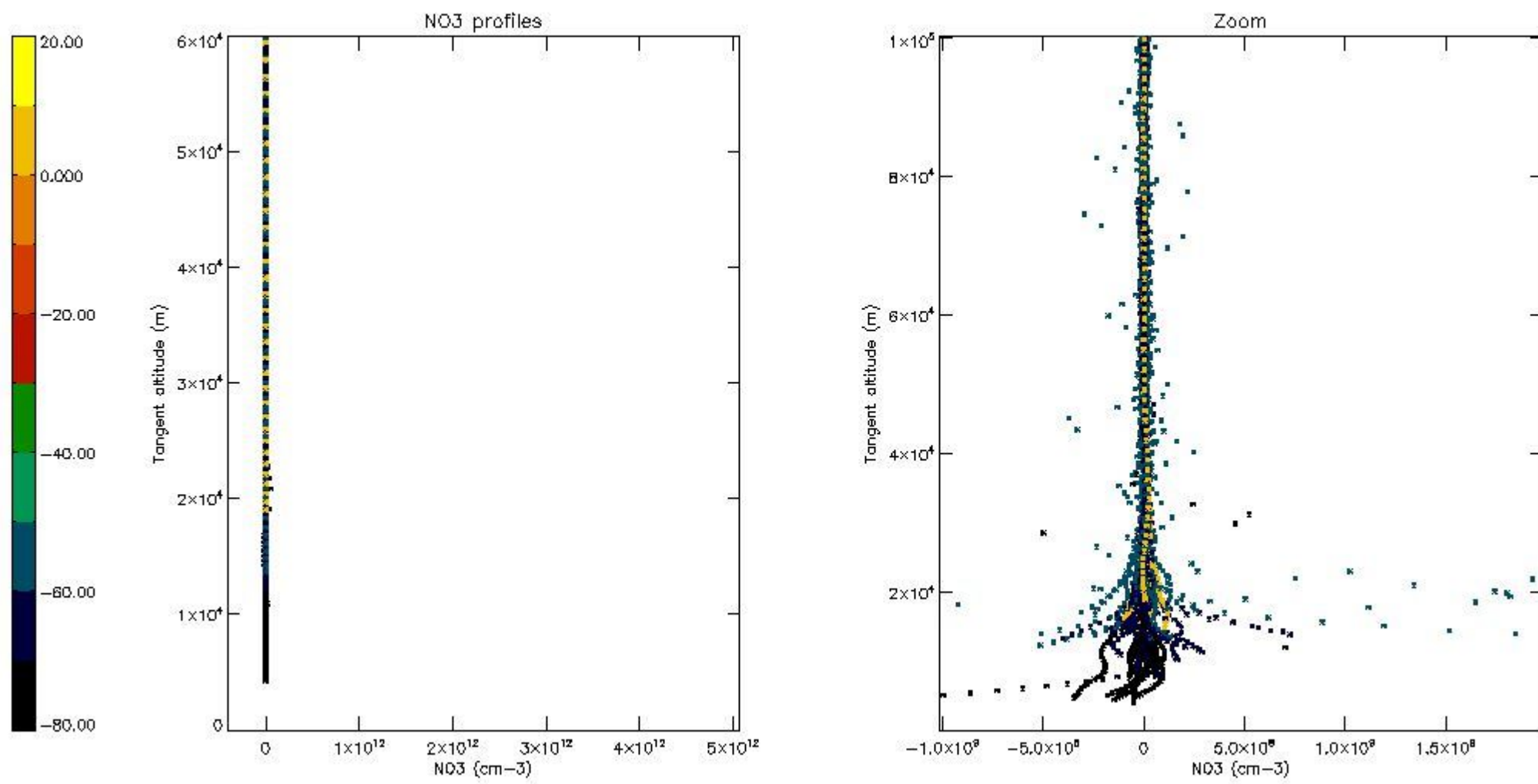
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



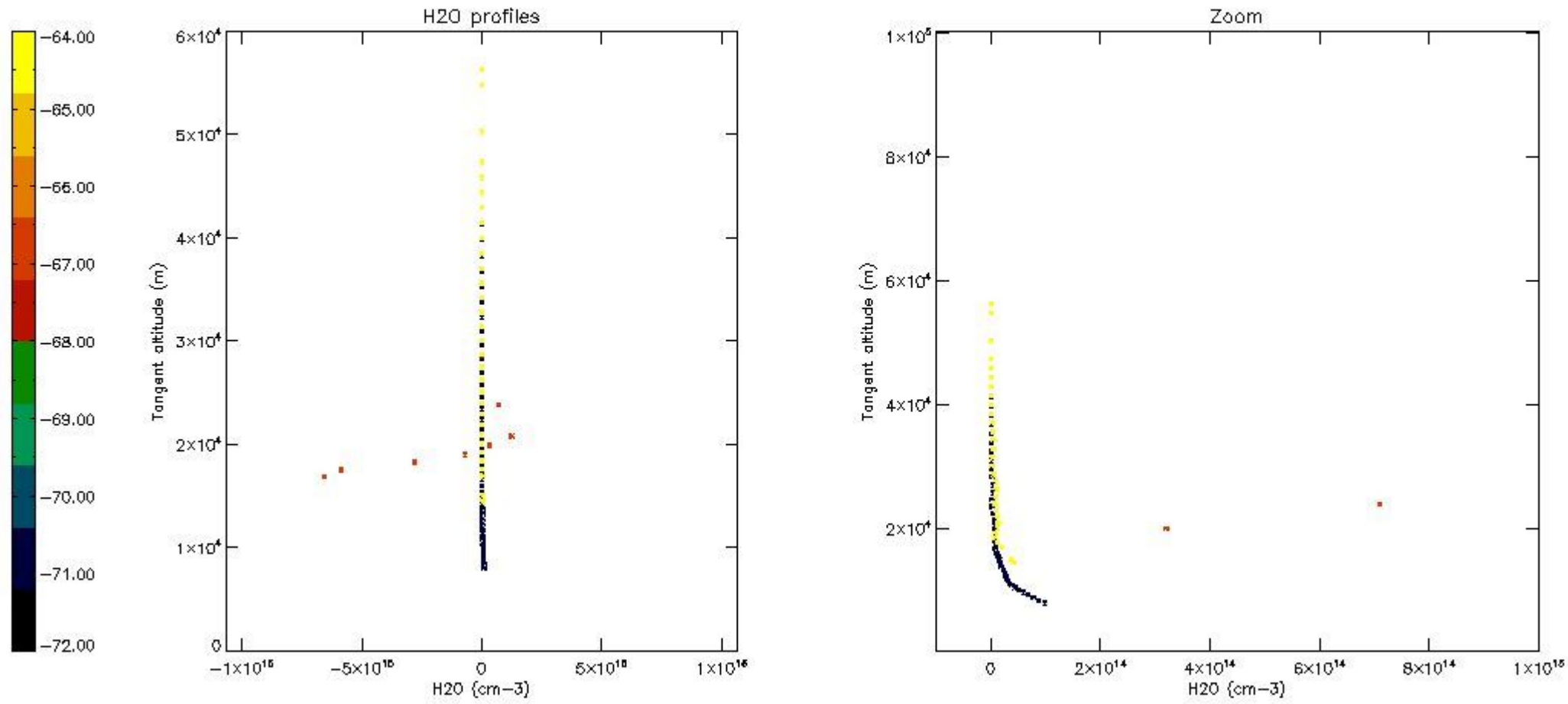
*5.7 Plot NO3 profiles for all STD (dark without errors)*

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.

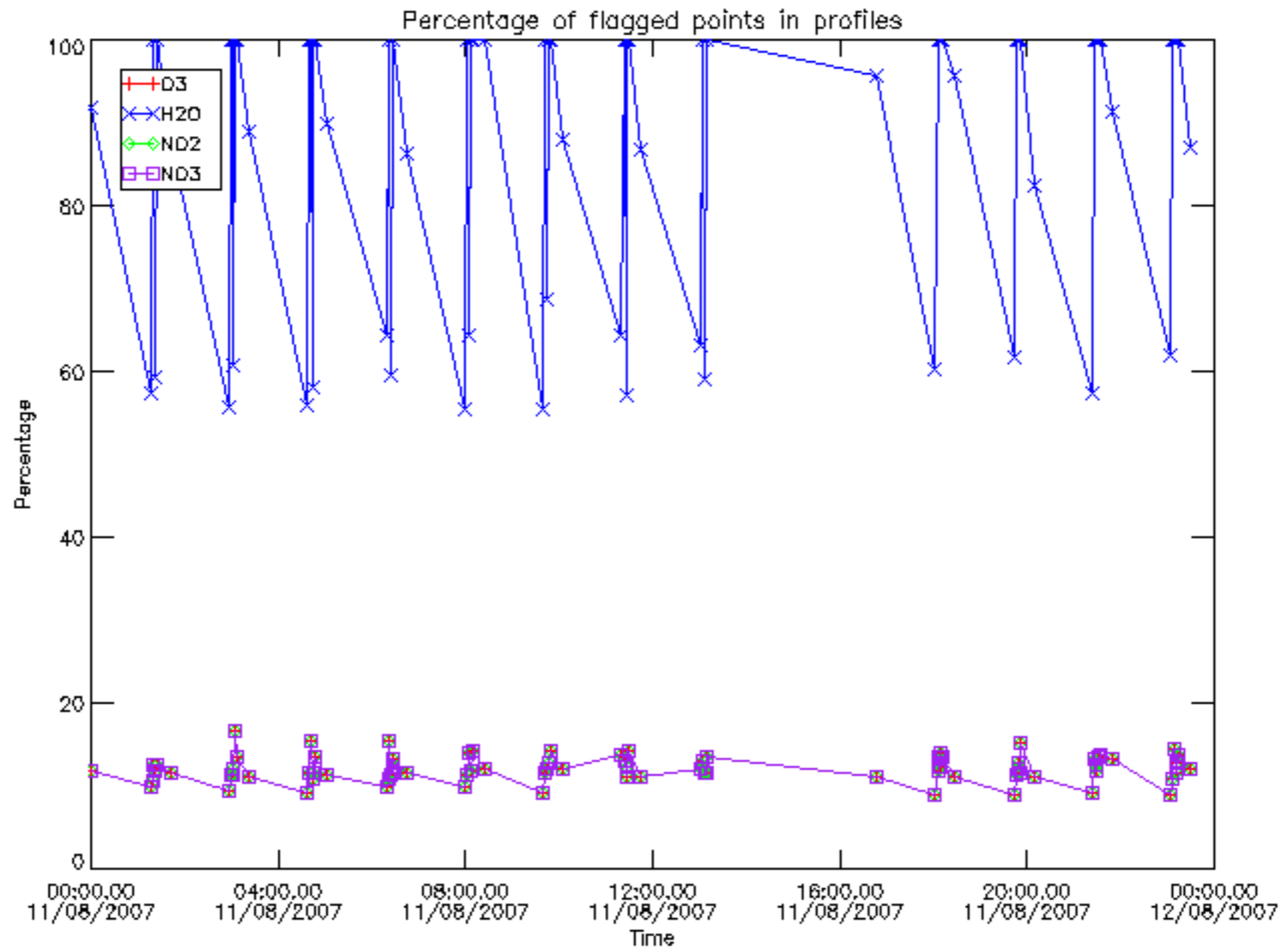


## 6. Auxiliary Data Files used for the production reported in section 2

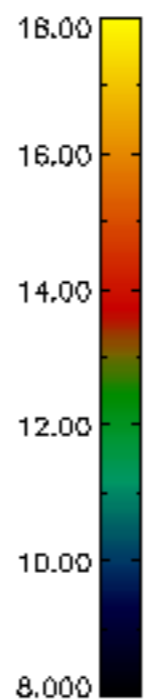
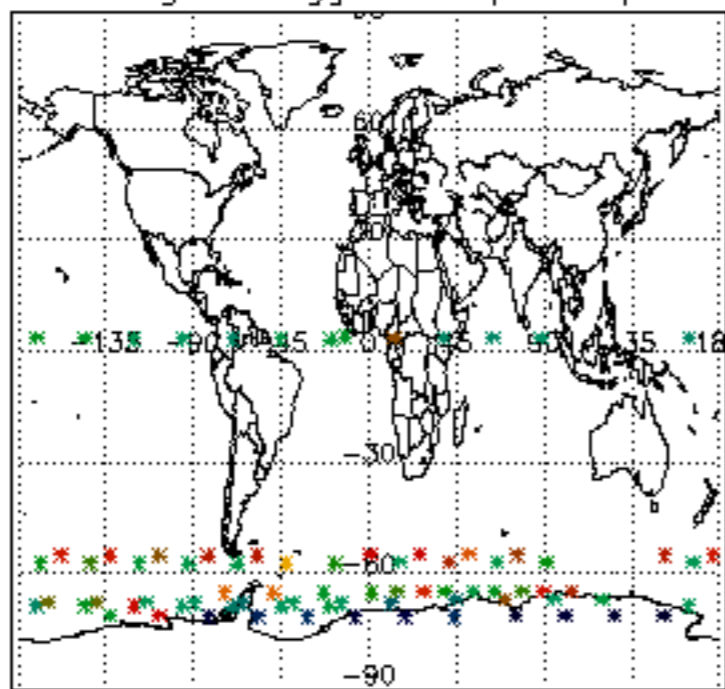
The number reported in the third column indicates since which file (see list in section 2) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	11-AUG-2007 00:01:16
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	11-AUG-2007 00:01:16
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	11-AUG-2007 00:01:16

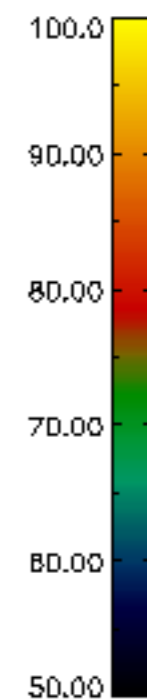
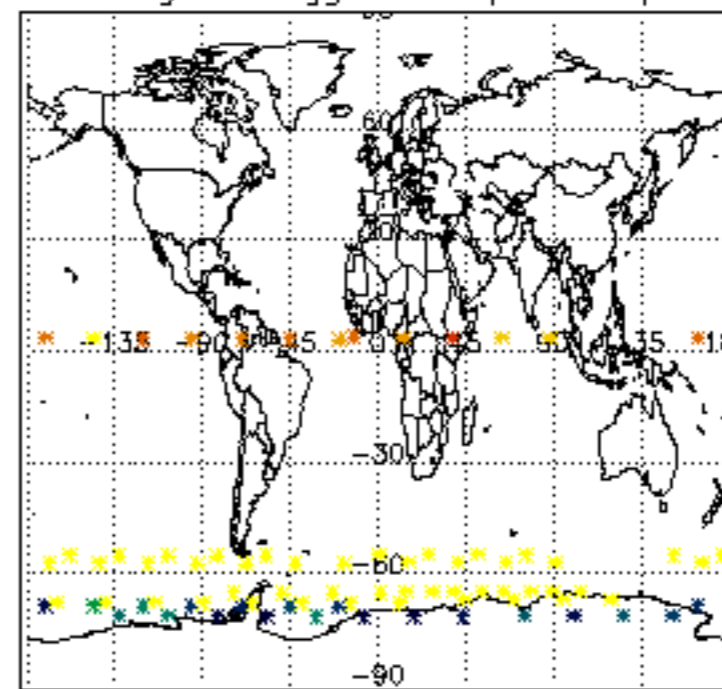




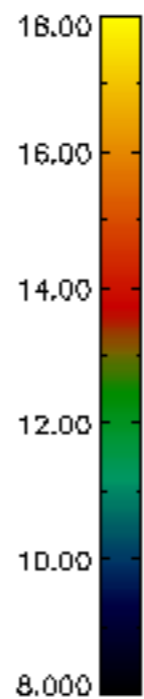
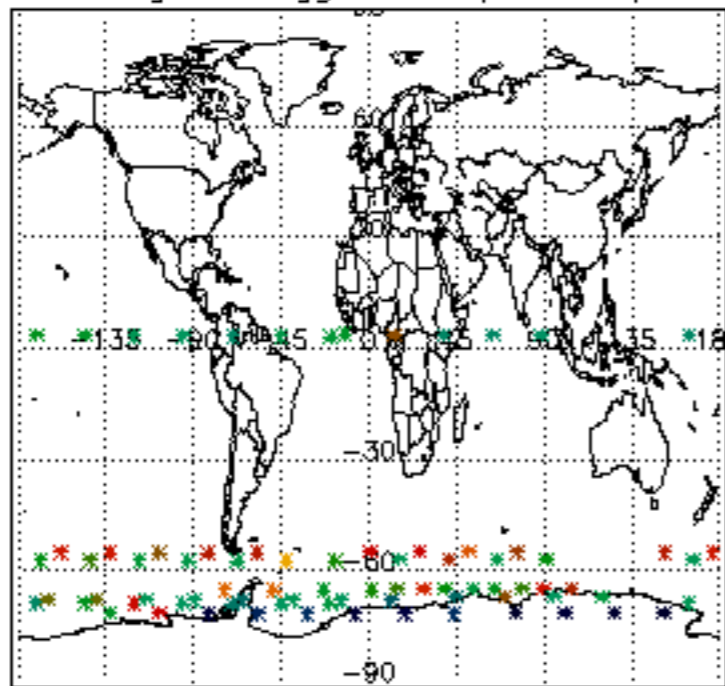
Percentage of flagged data per D3 profile



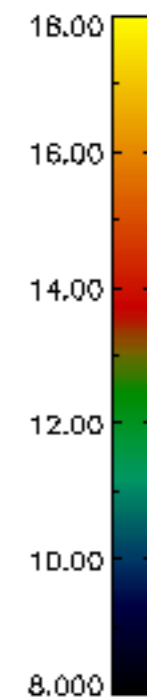
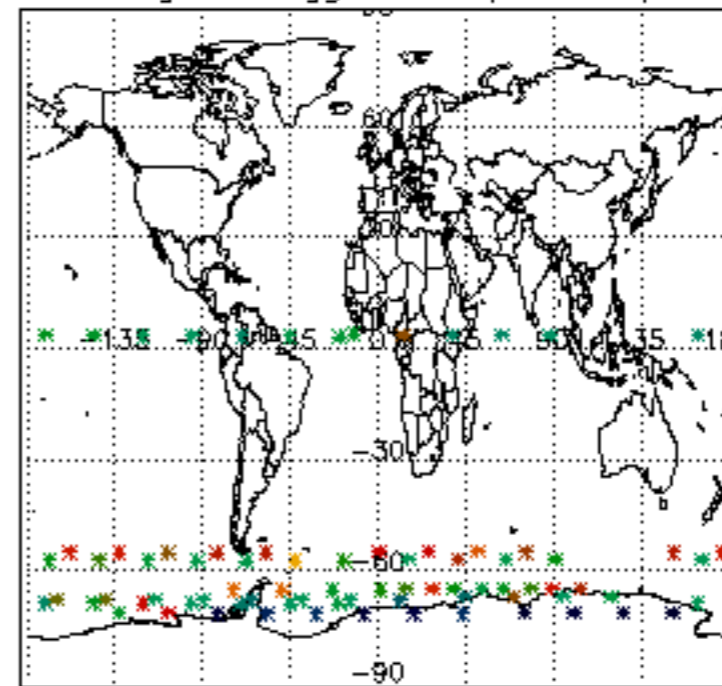
Percentage of flagged data per H2O profile

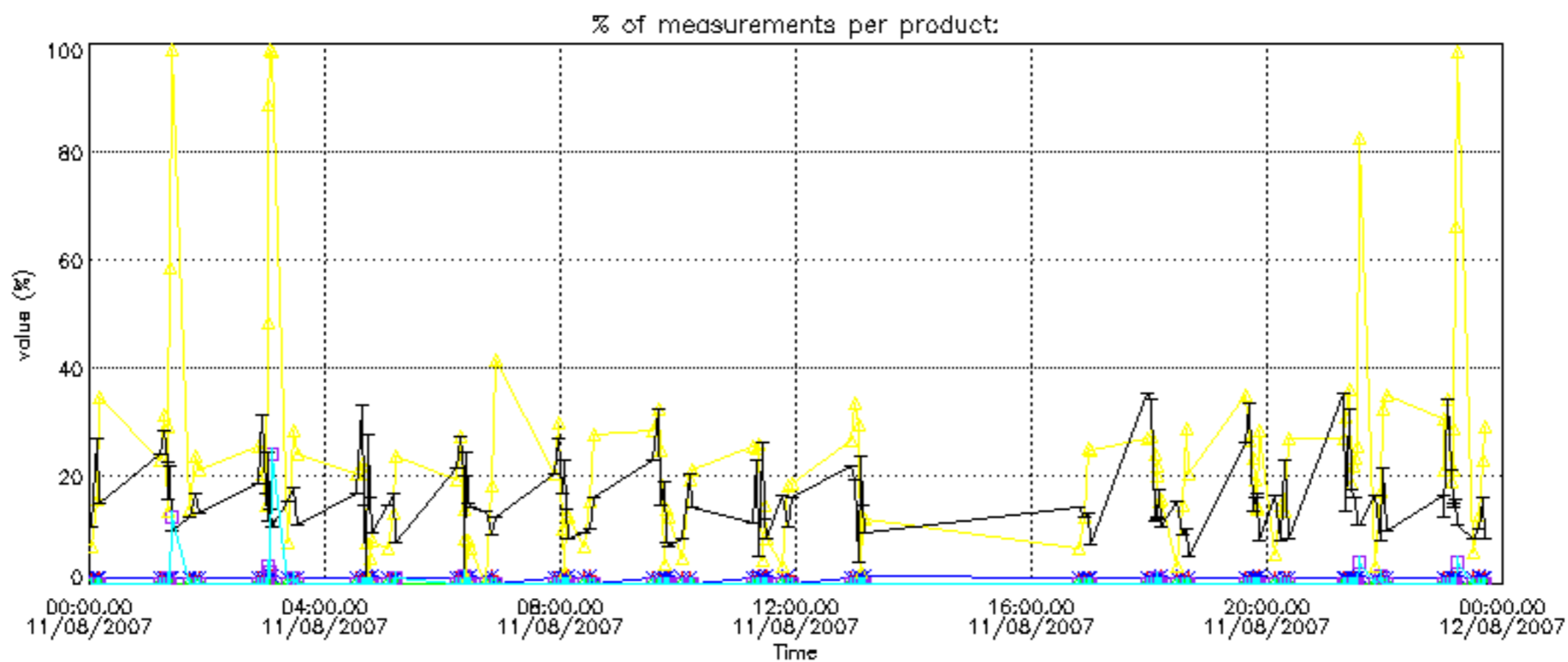


Percentage of flagged data per NO2 profile

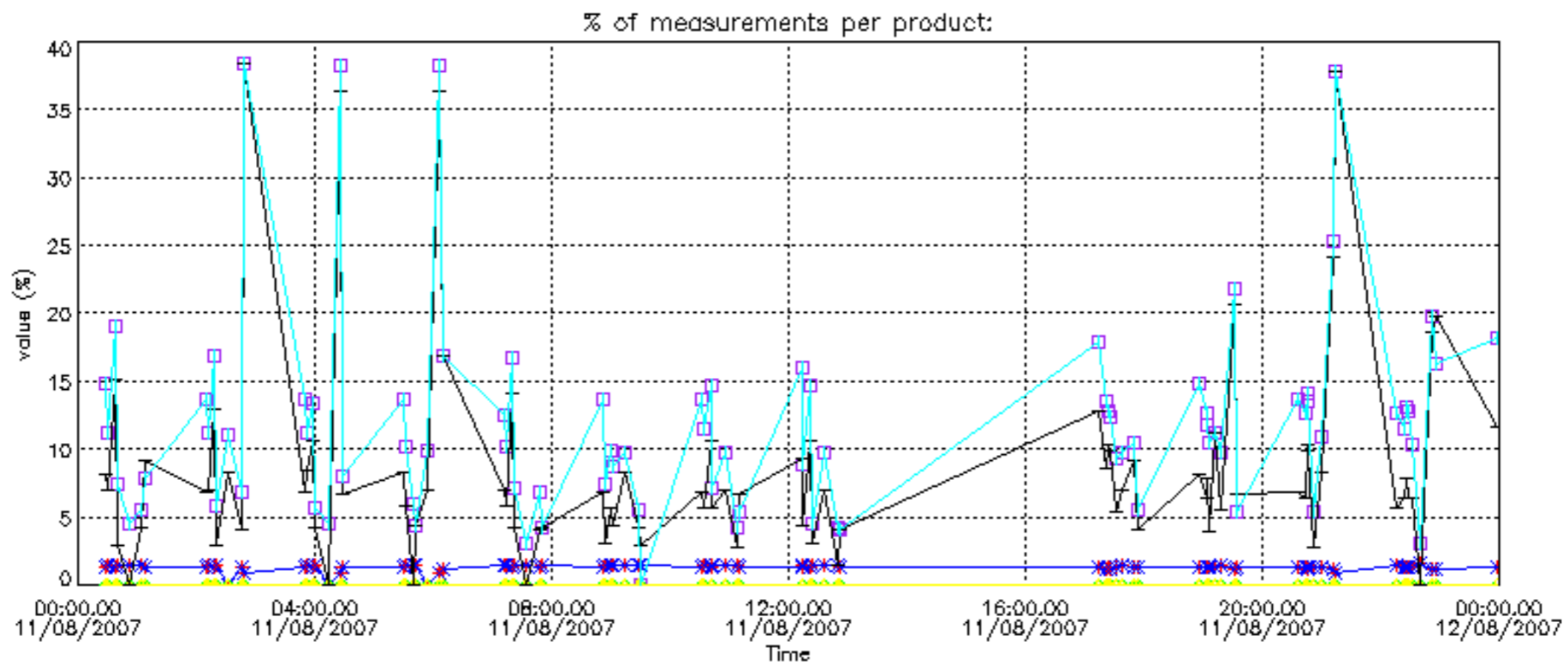


Percentage of flagged data per NO3 profile

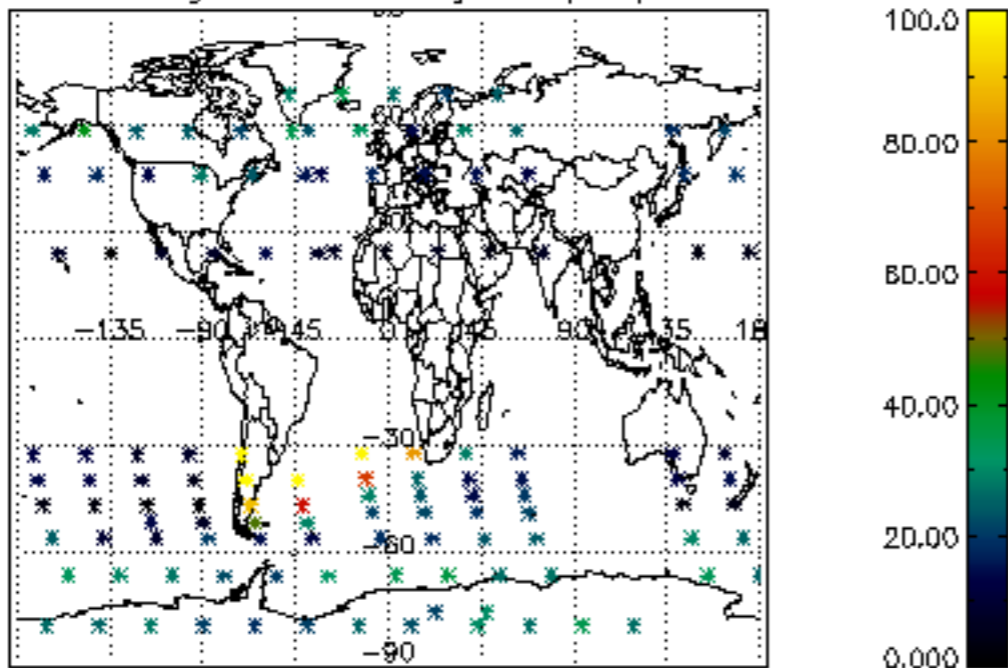




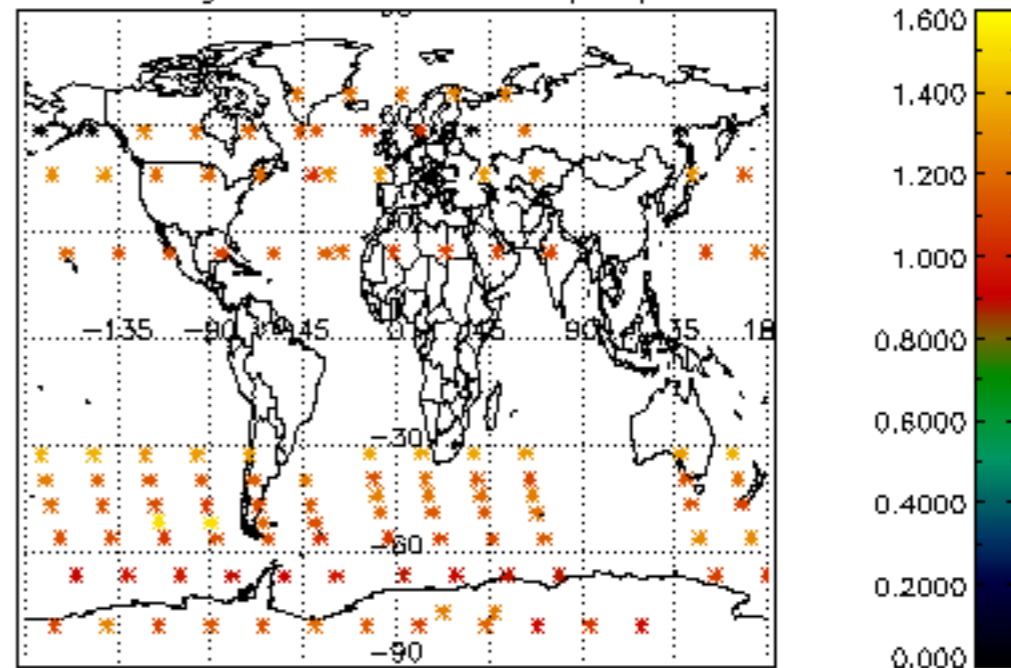




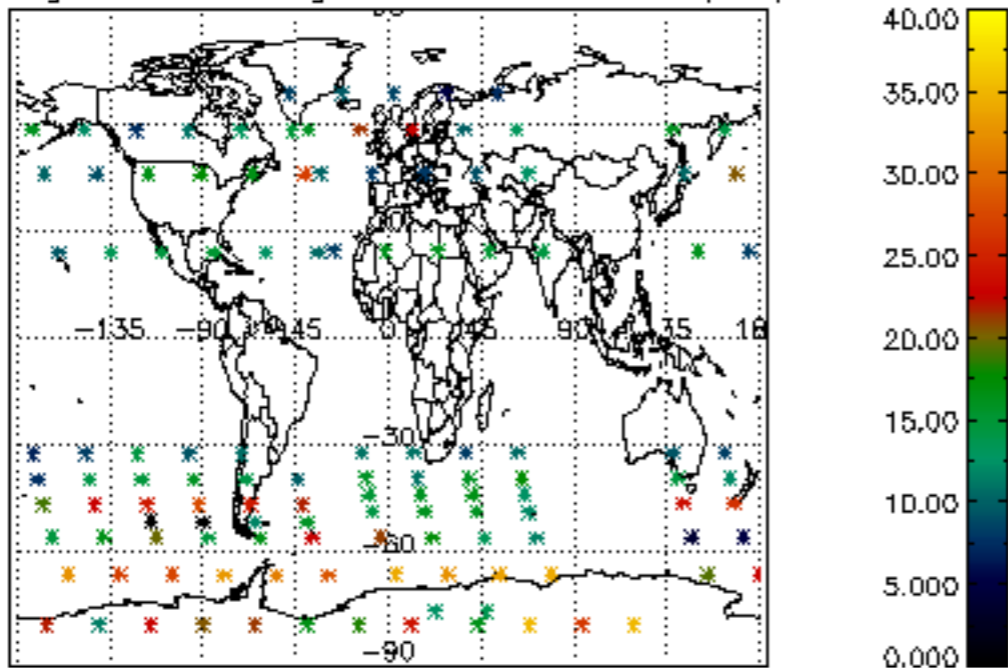
Percentage of cosmic ray hits per profile



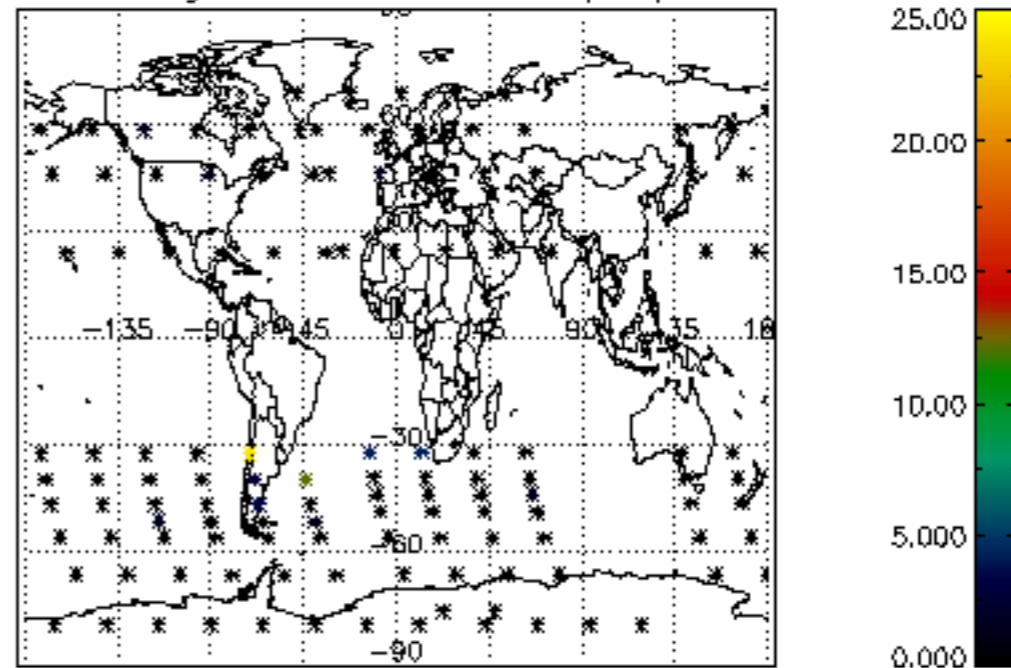
Percentage of datation errors per profile



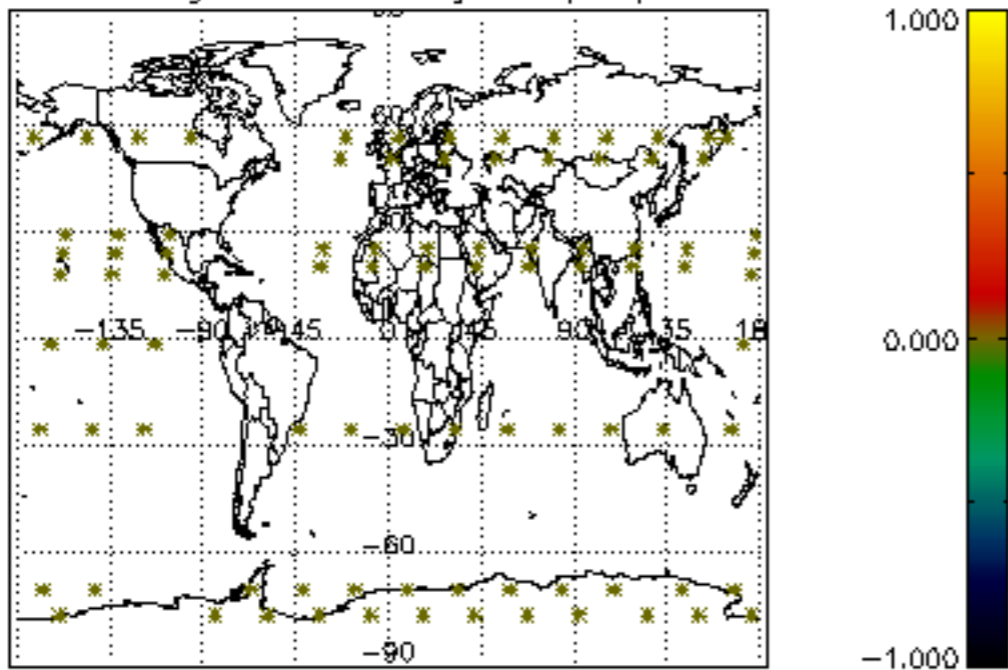
Percentage of star falling outside central band per profile



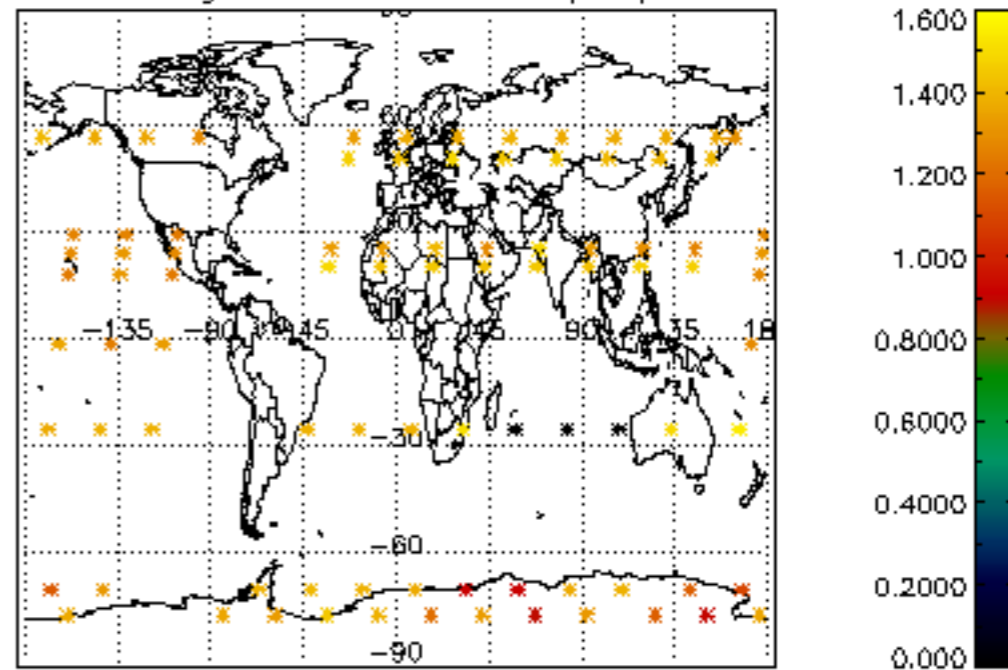
Percentage of saturation errors per profile



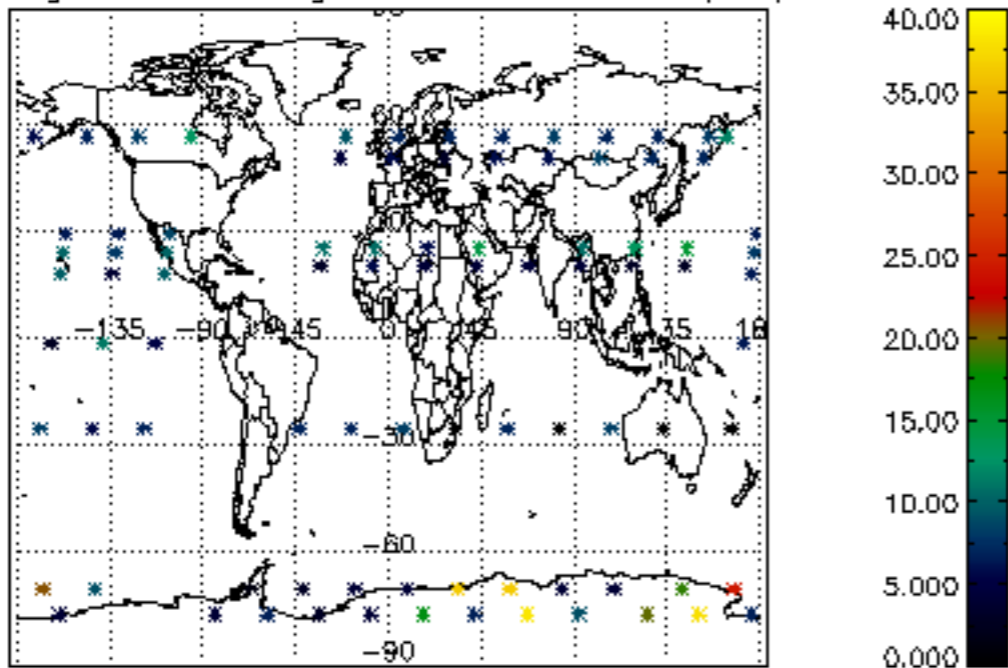
Percentage of cosmic ray hits per profile



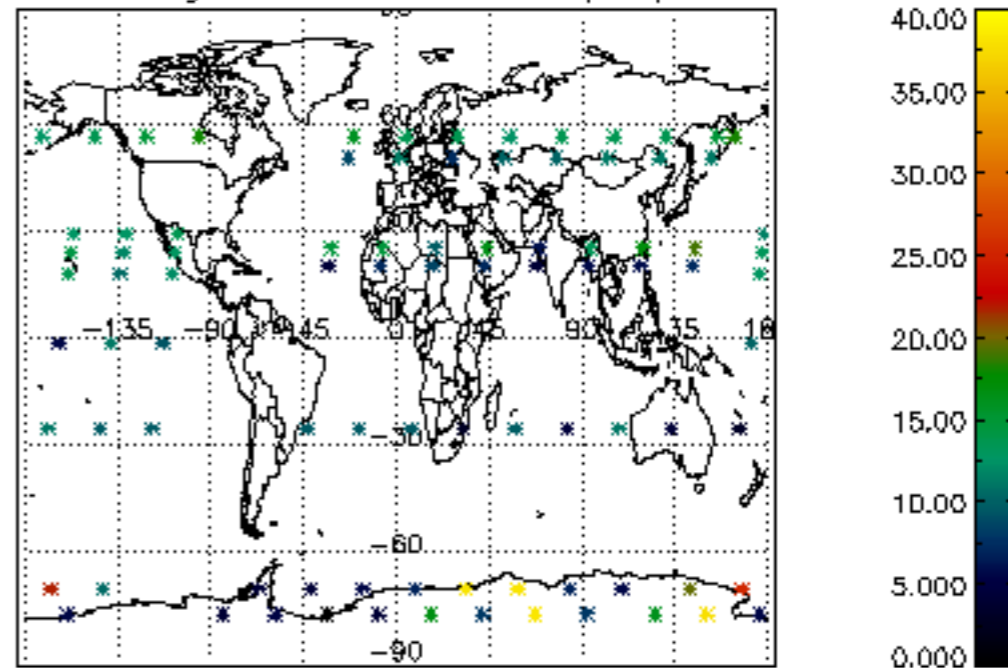
Percentage of datation errors per profile



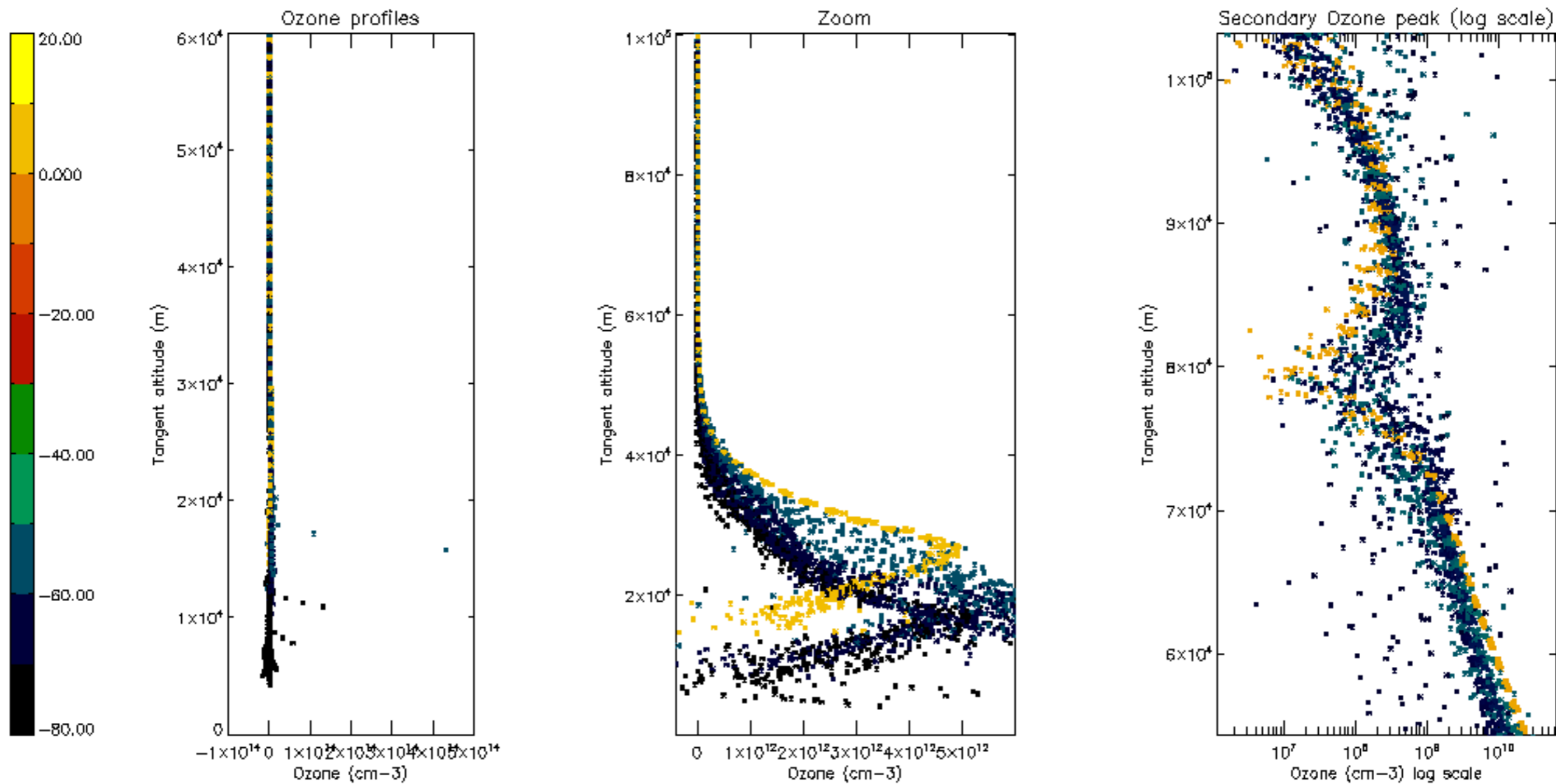
Percentage of star falling outside central band per profile

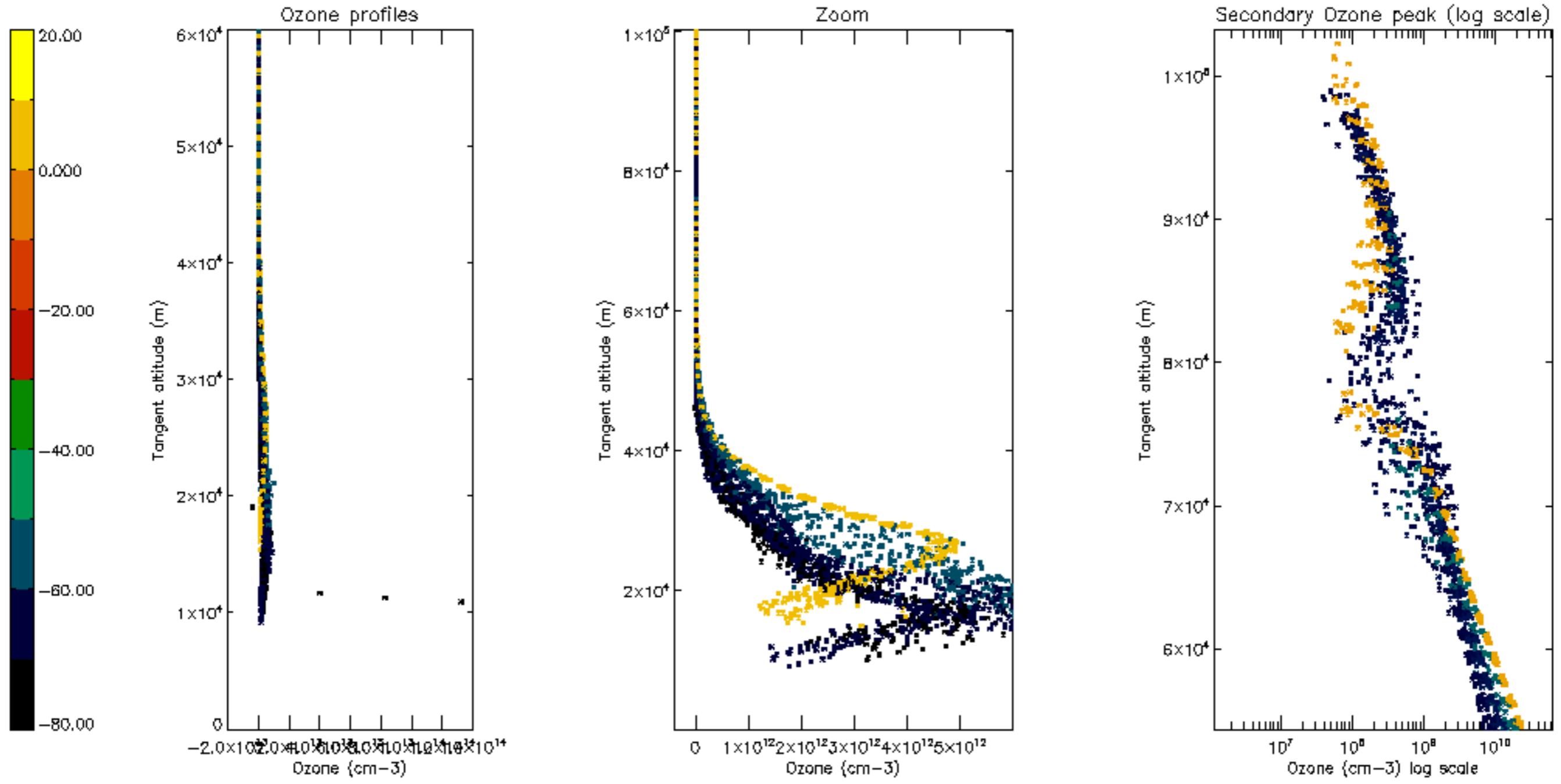


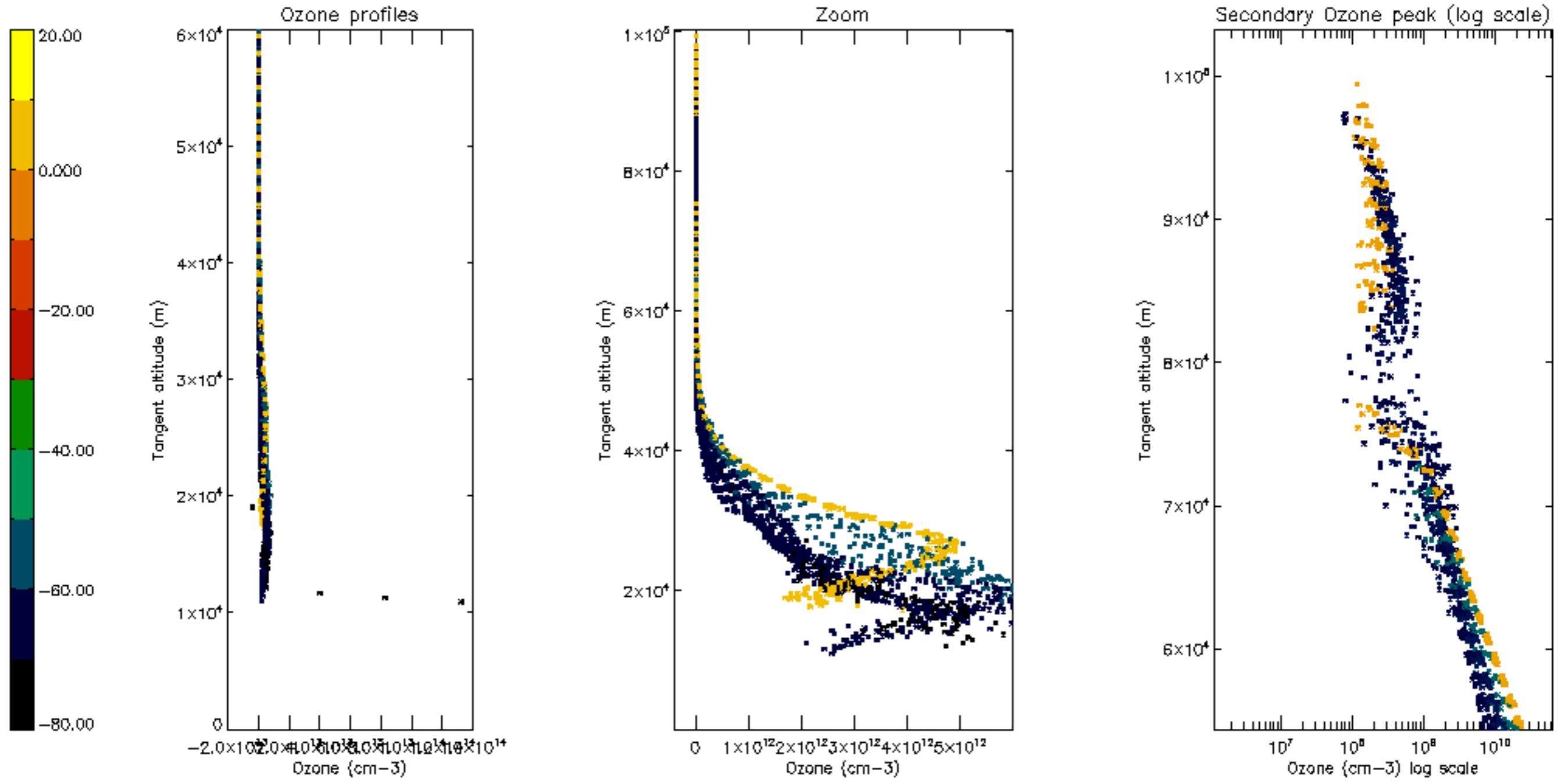
Percentage of saturation errors per profile

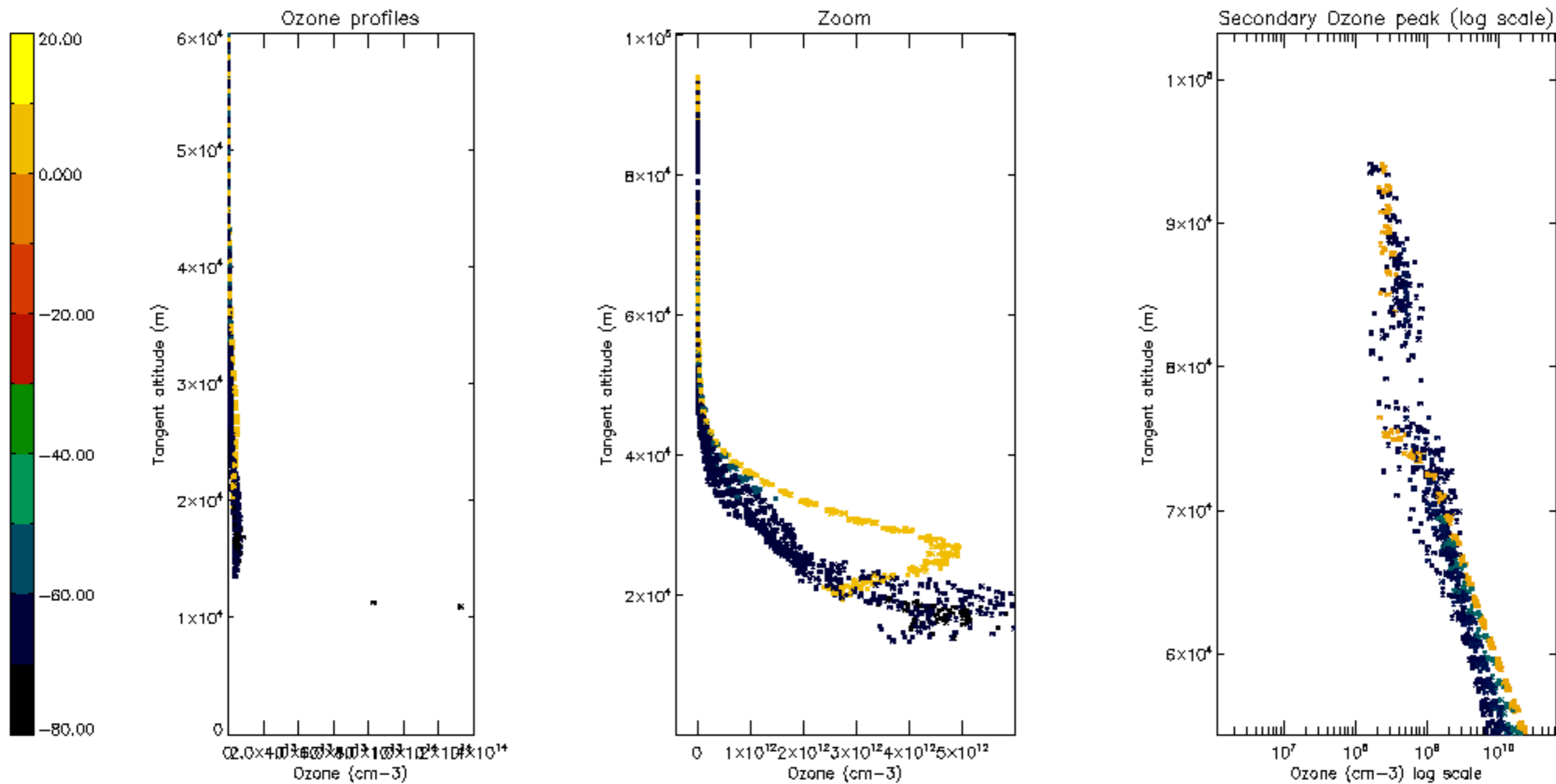




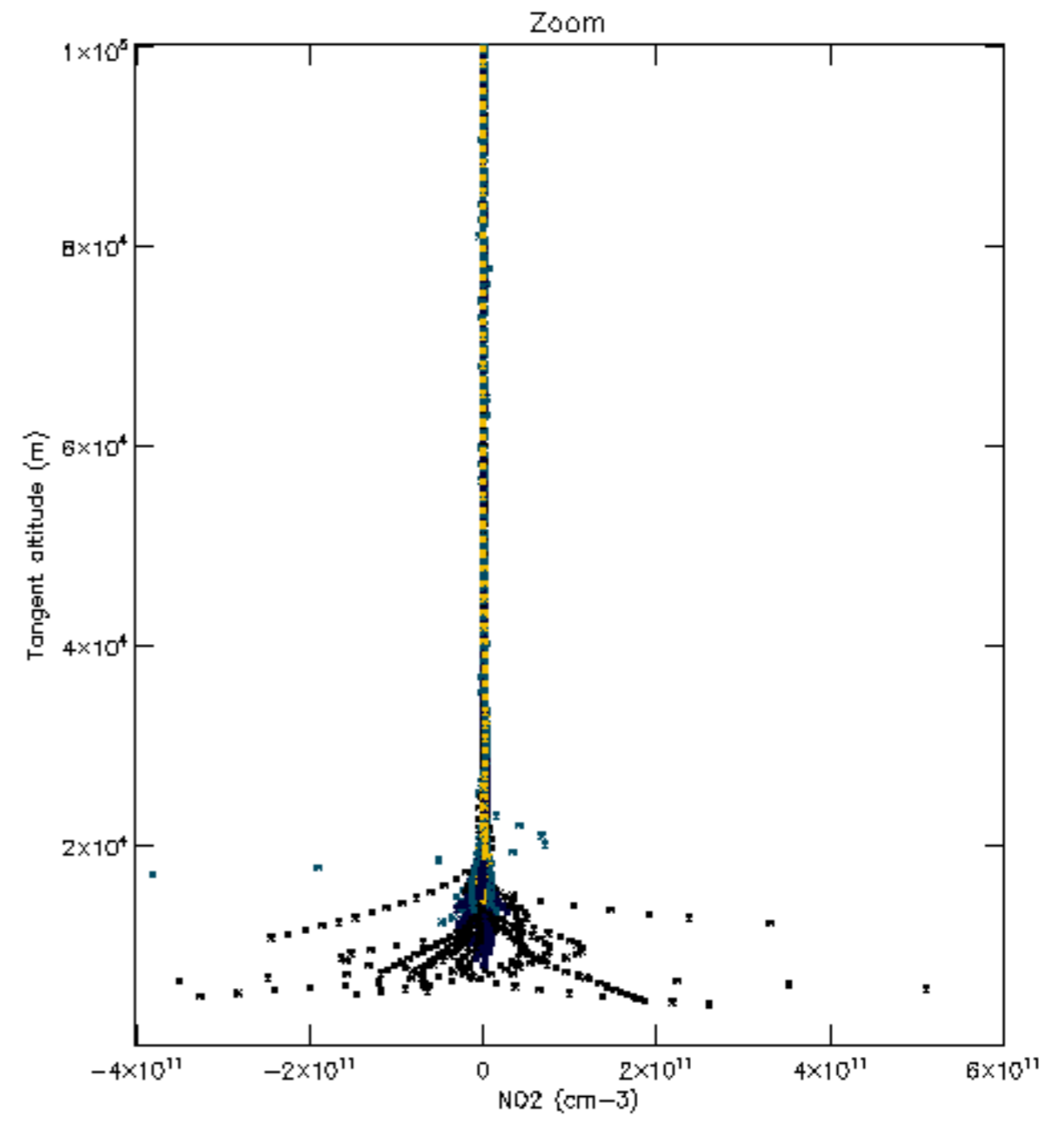
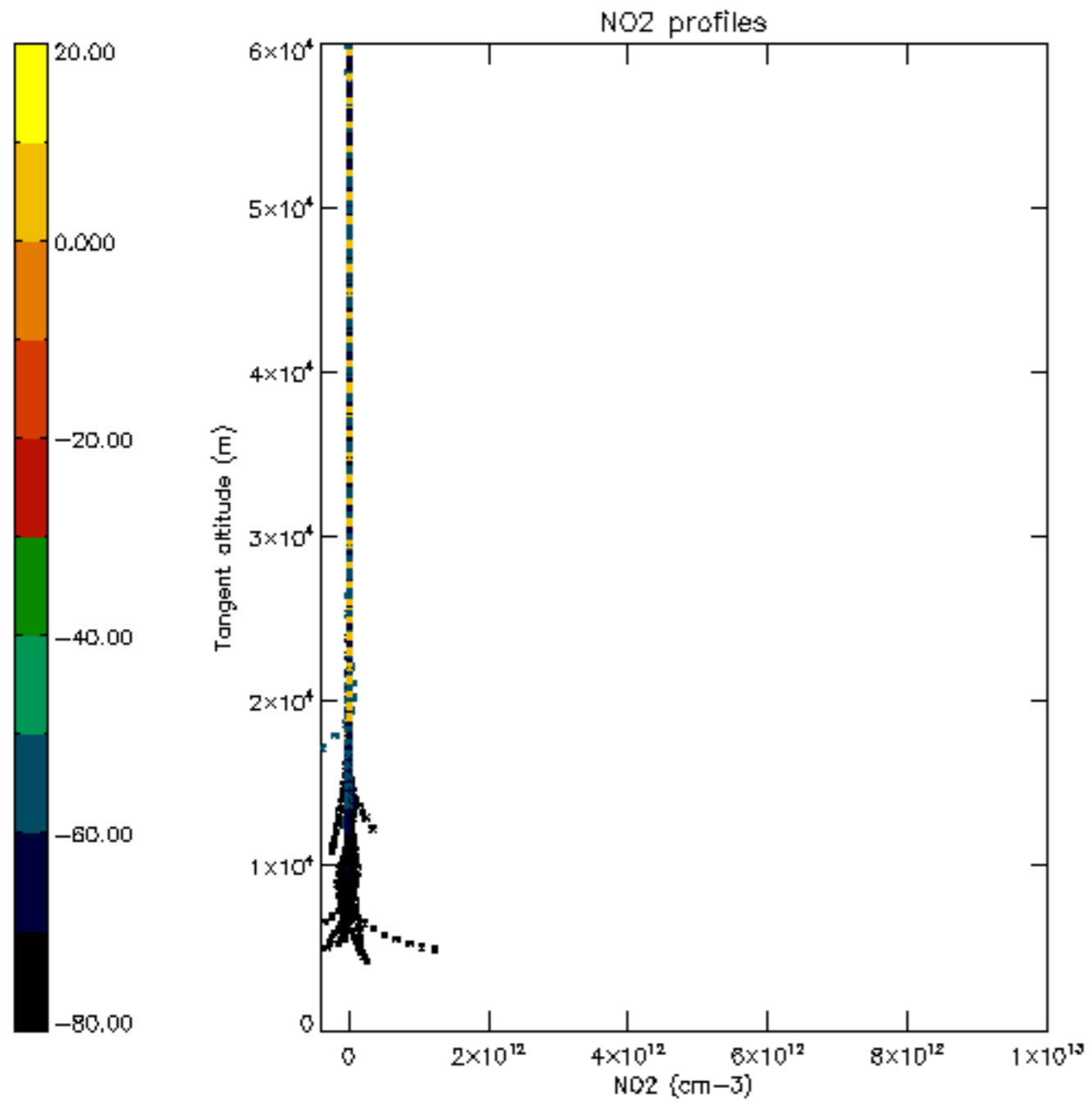


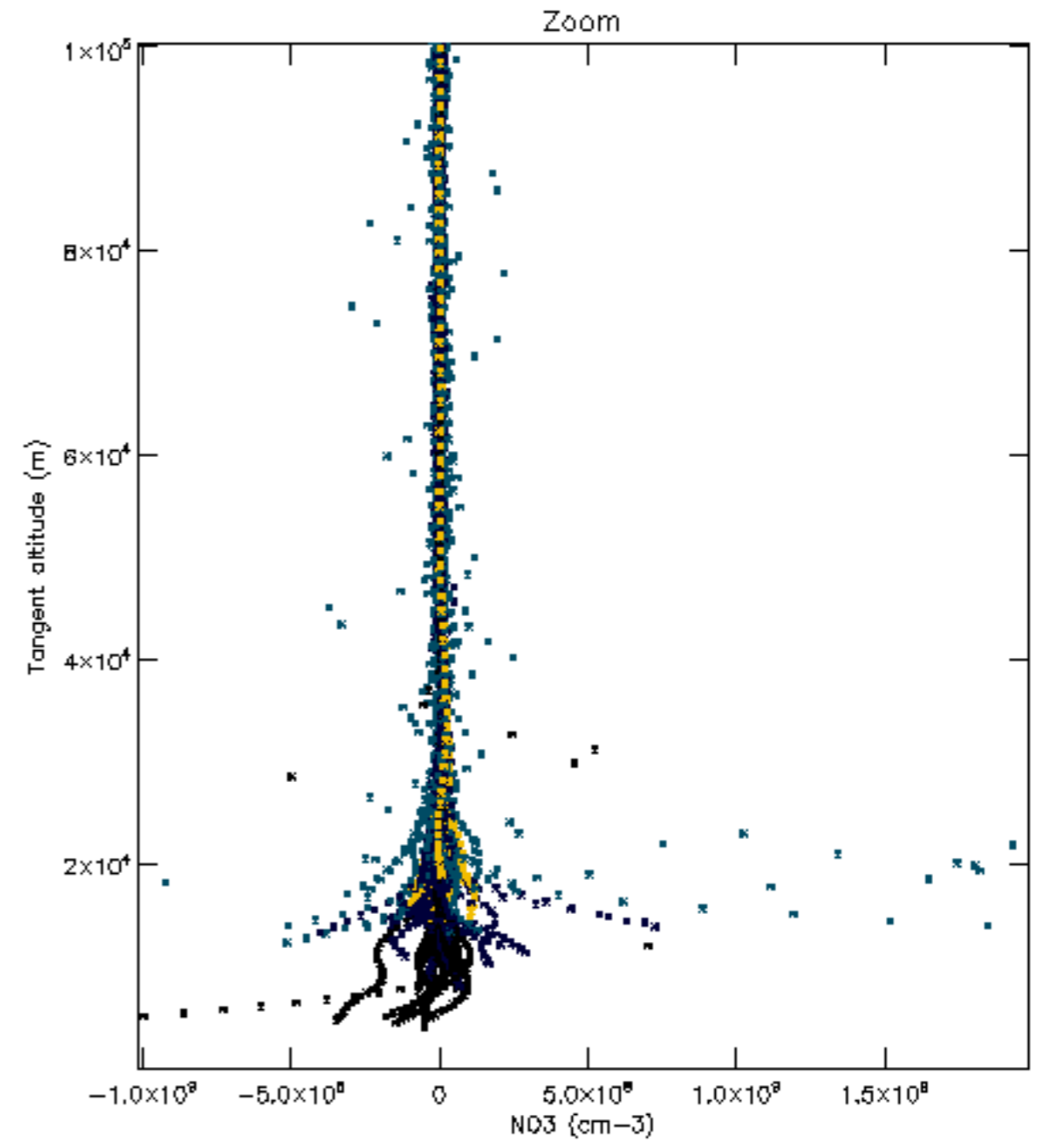
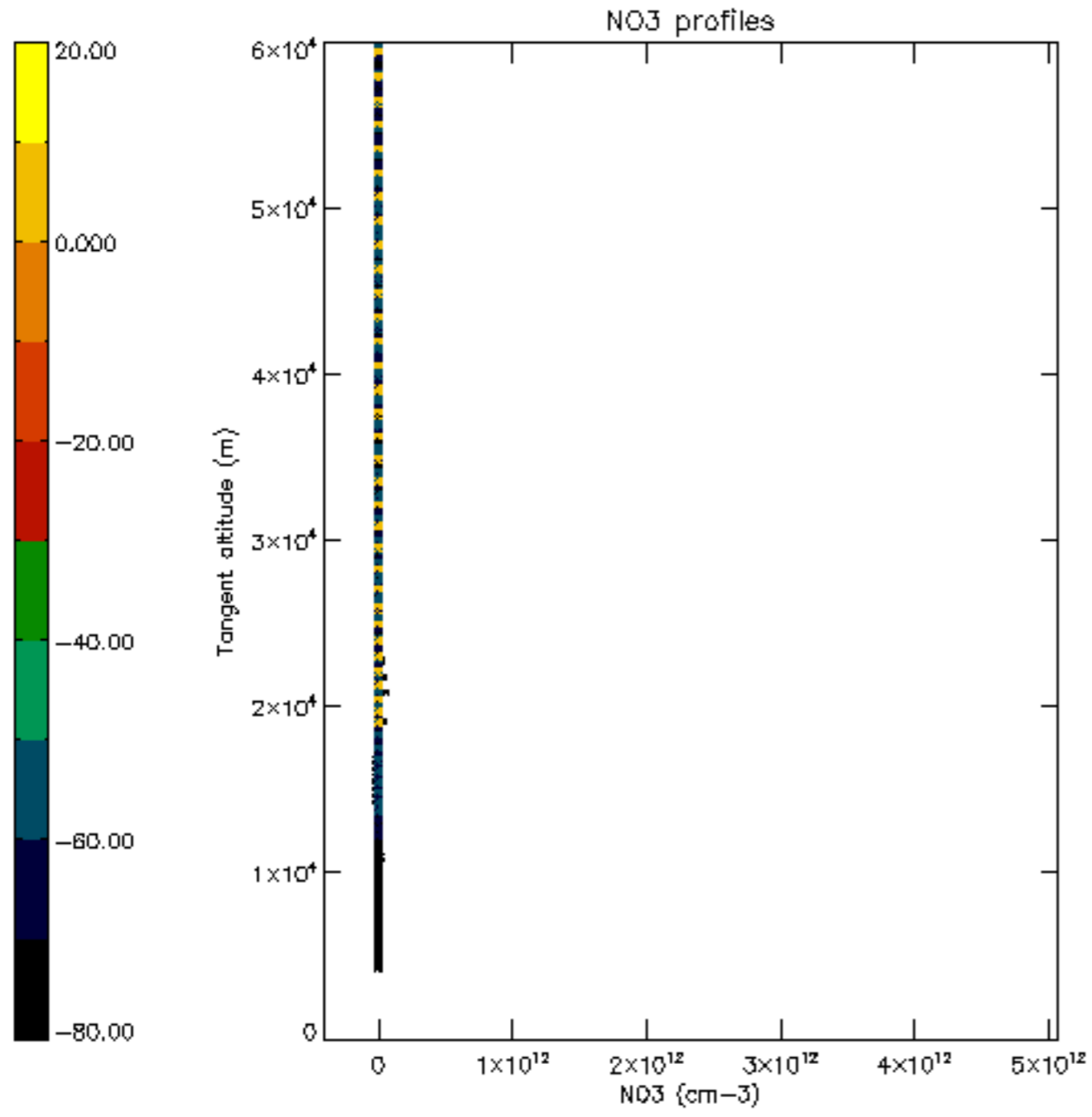


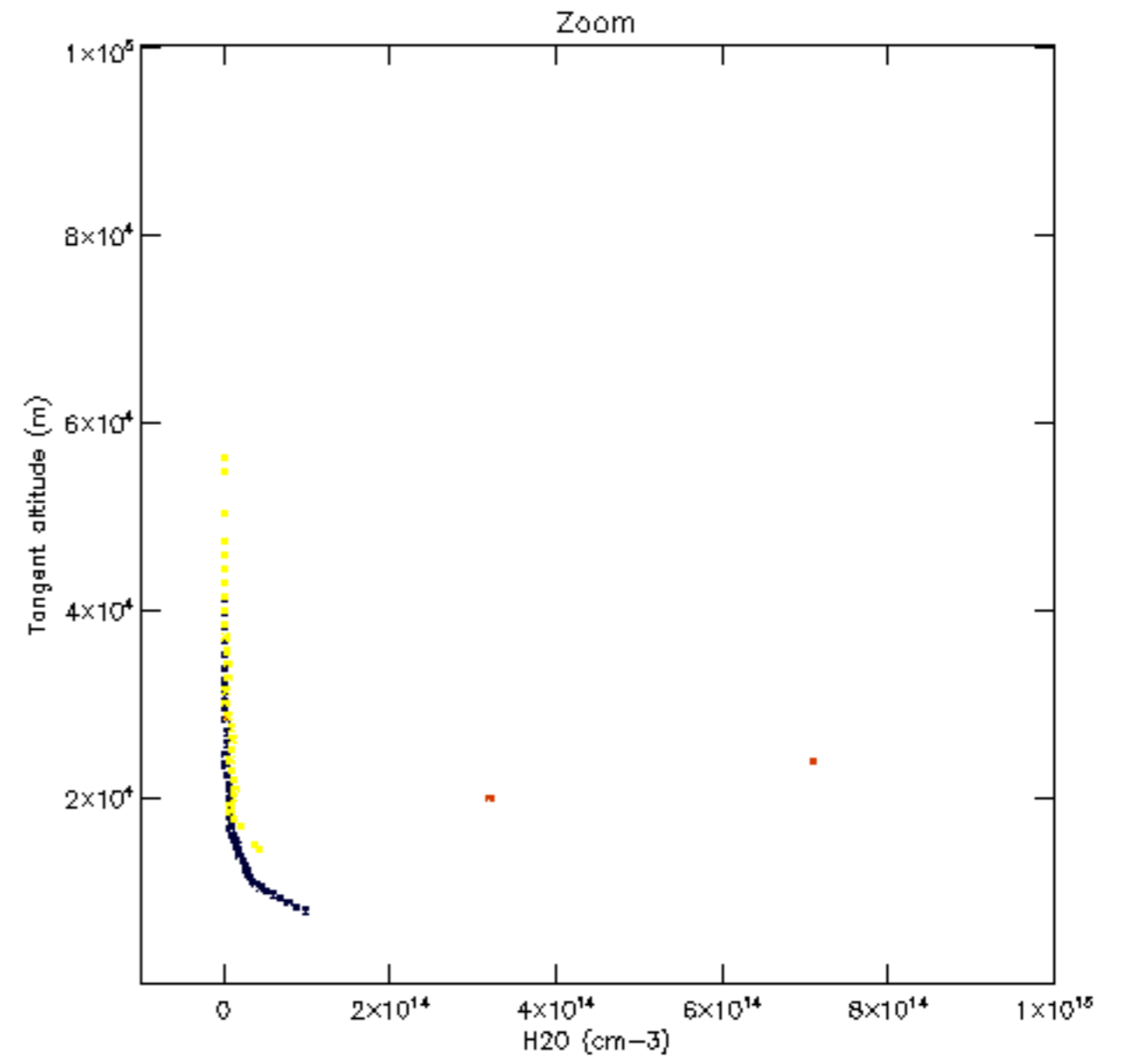
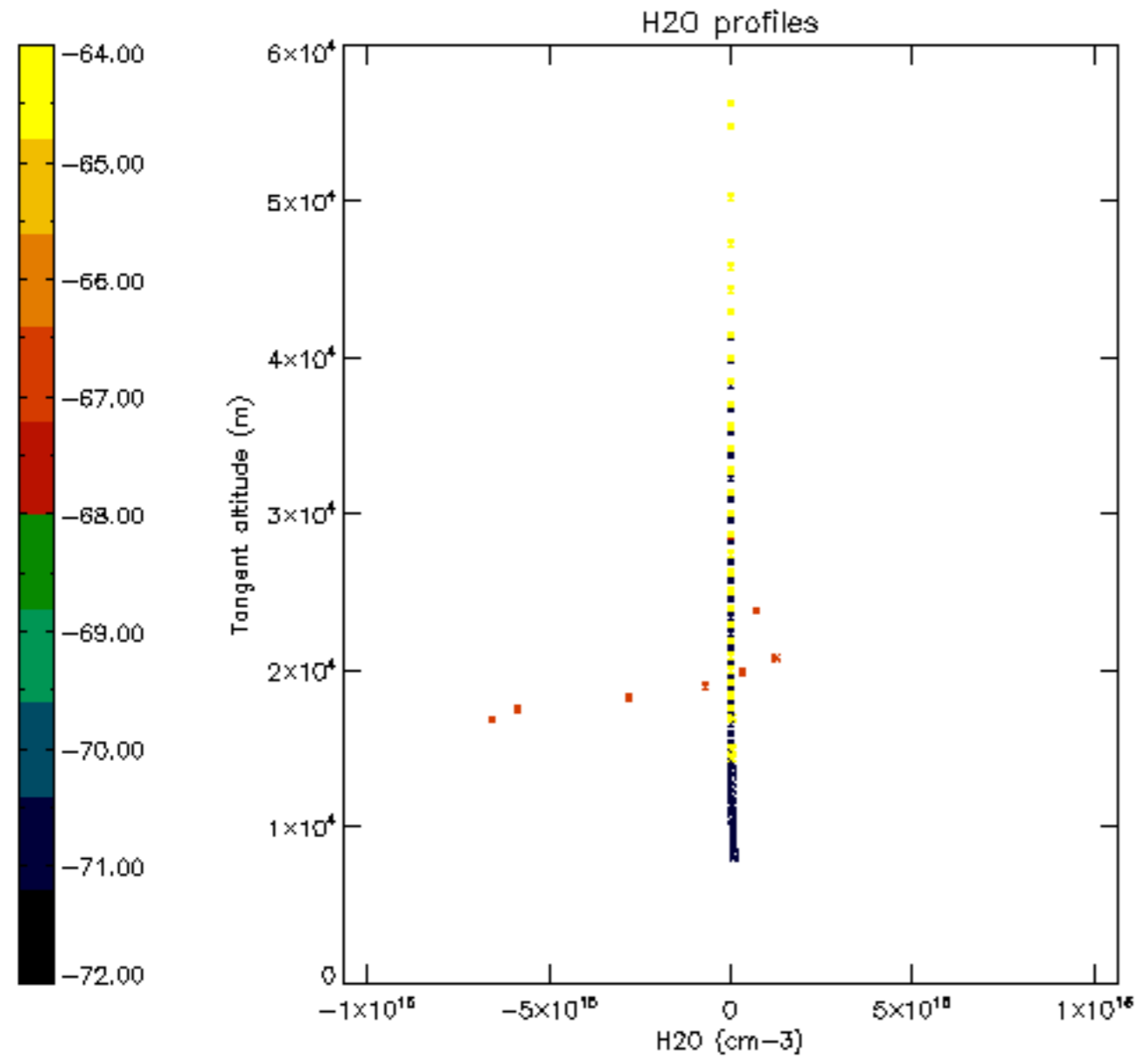


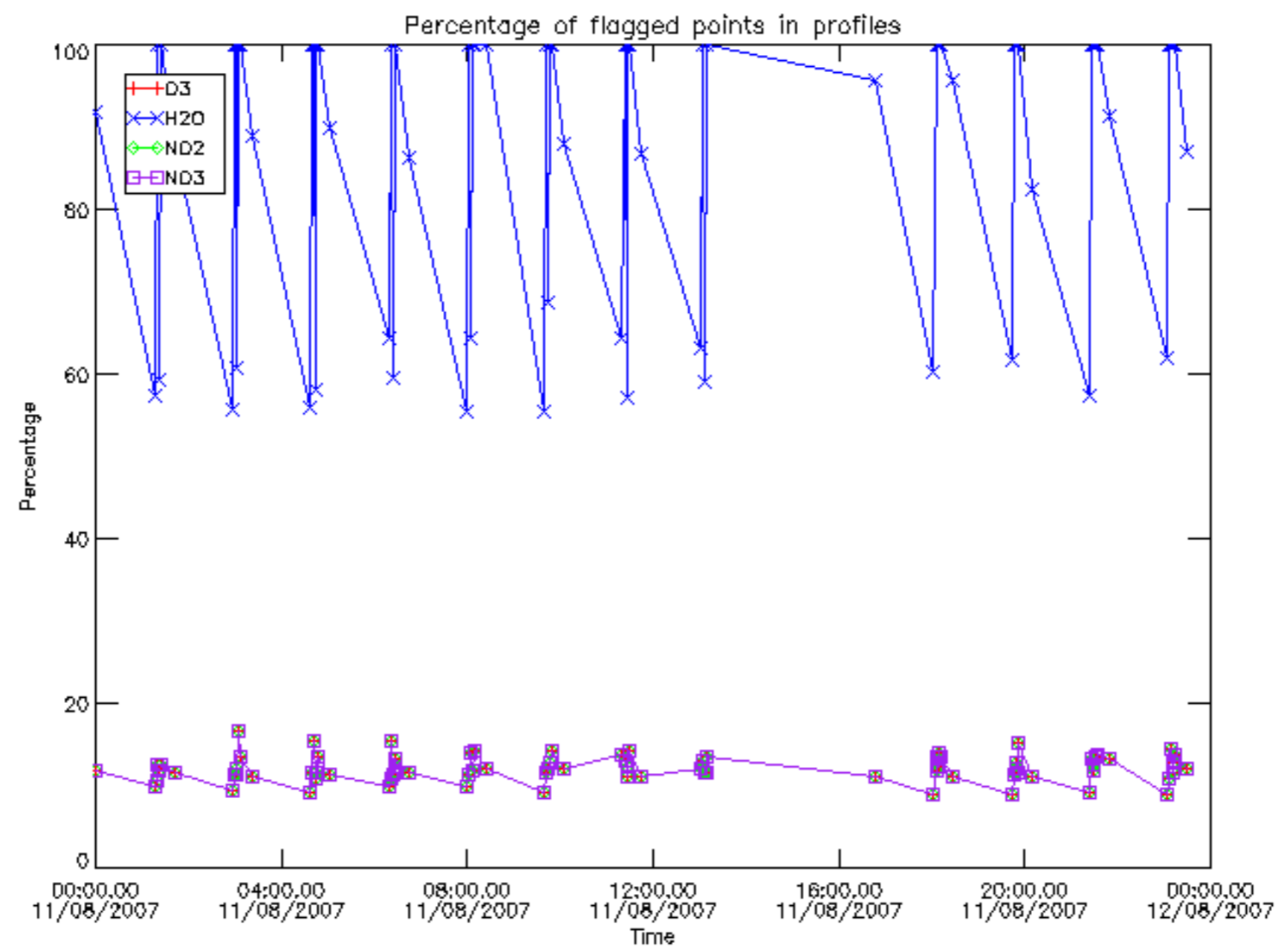






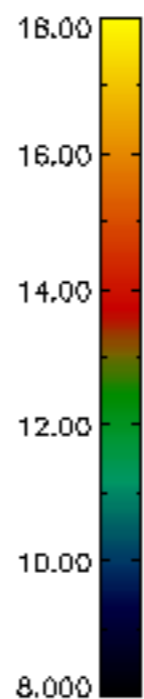
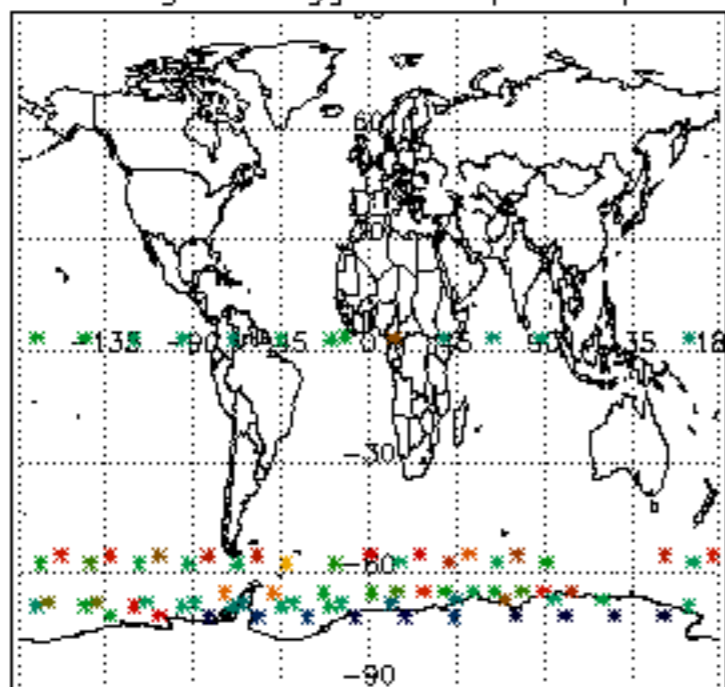




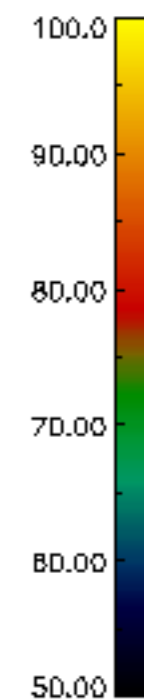
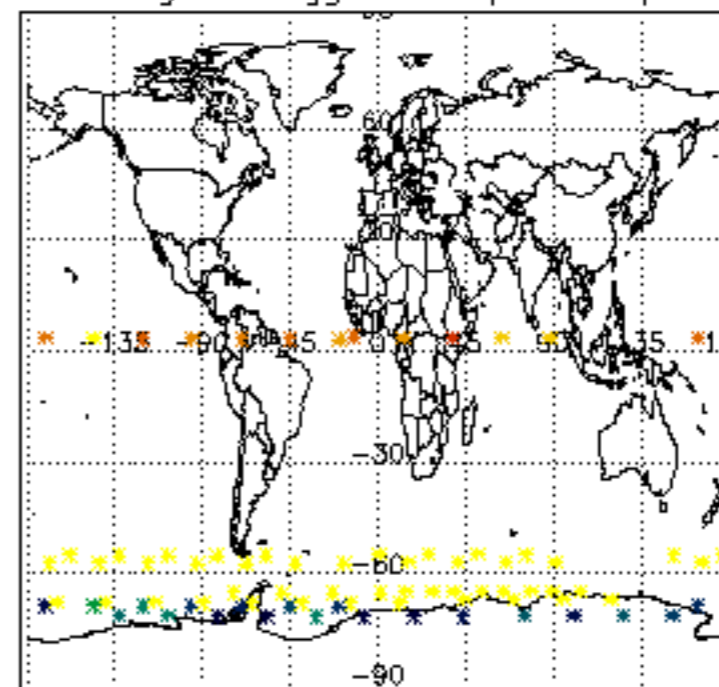




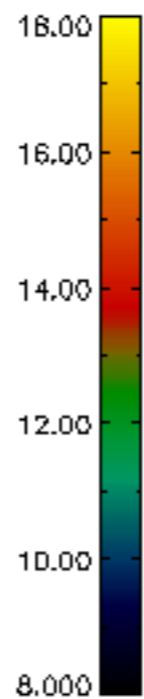
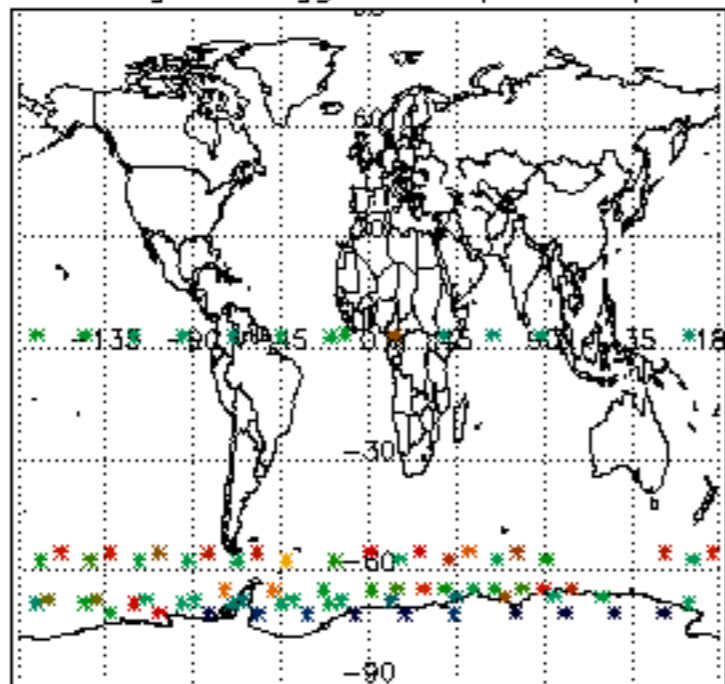
Percentage of flagged data per D3 profile



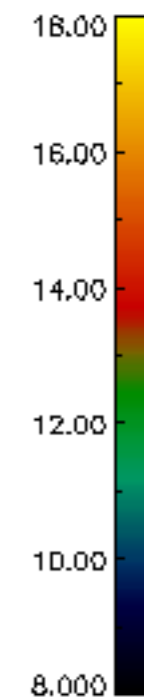
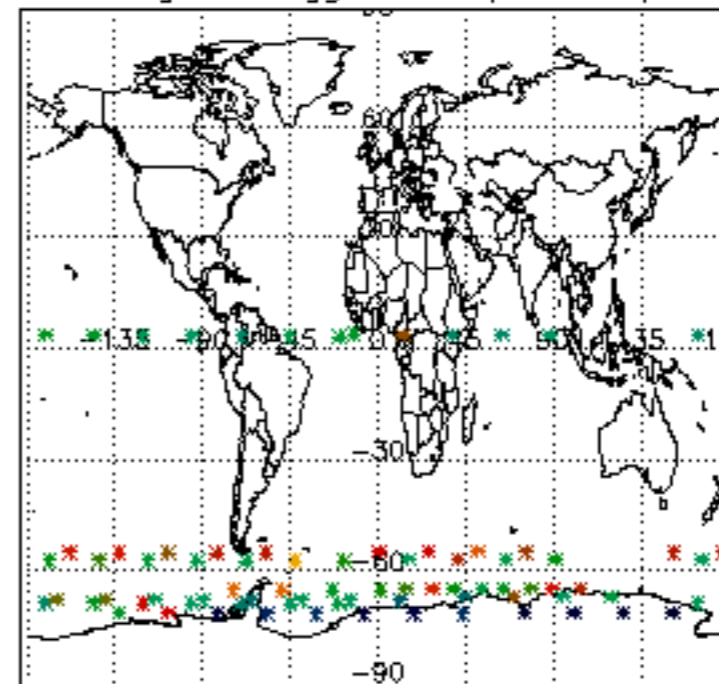
Percentage of flagged data per H2O profile

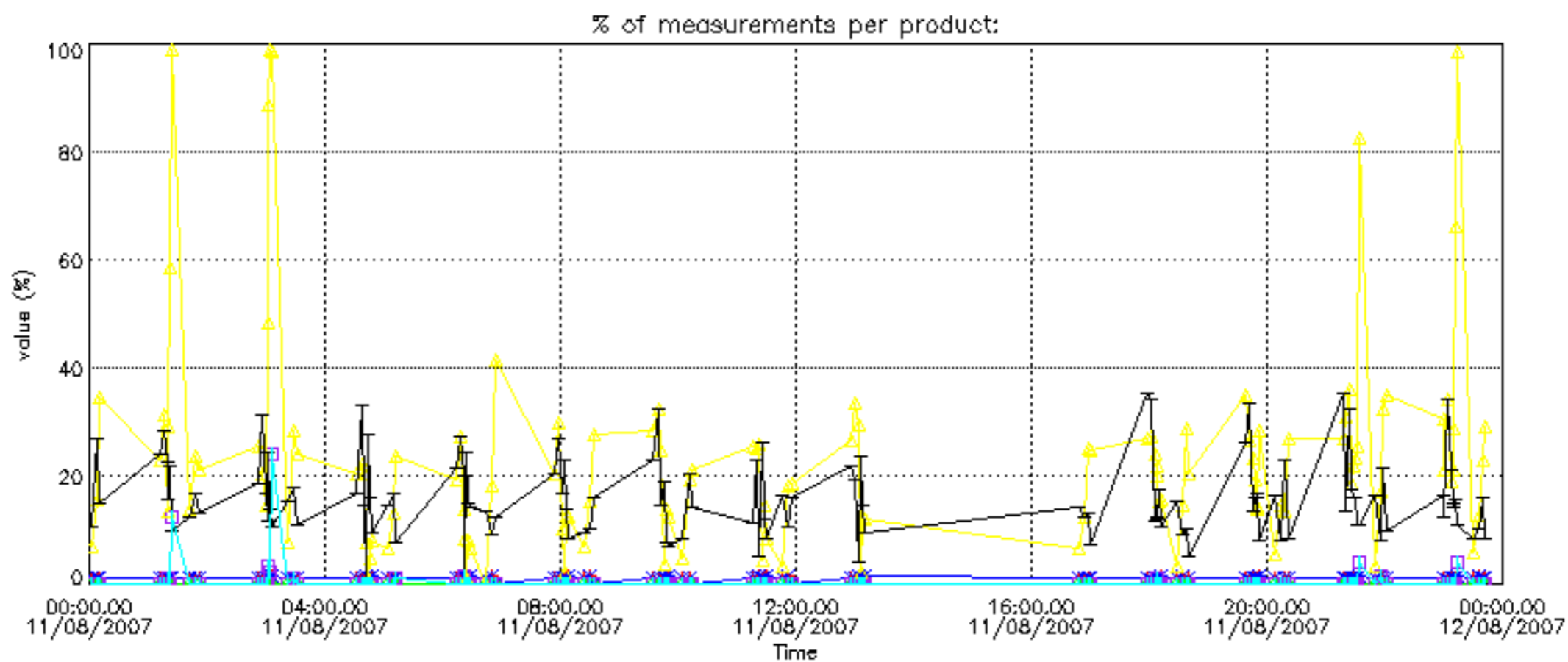


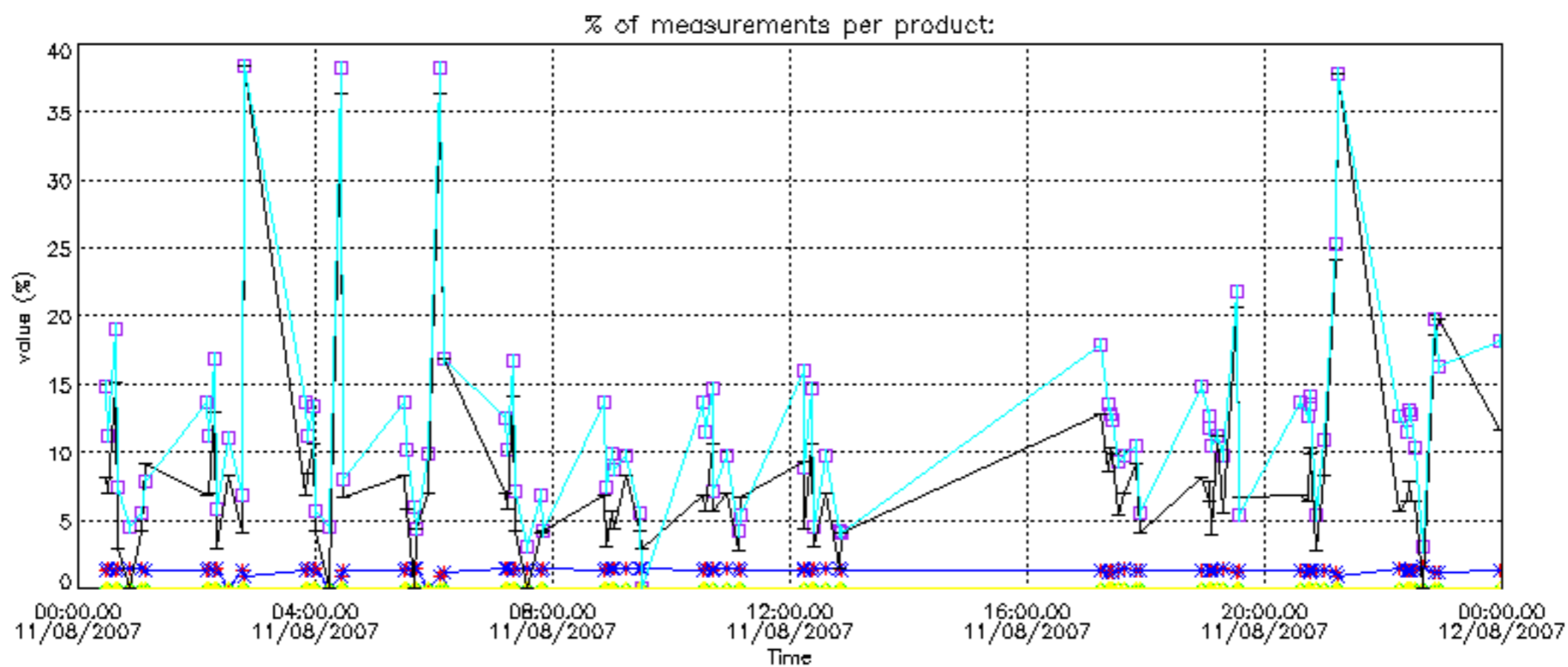
Percentage of flagged data per NO2 profile



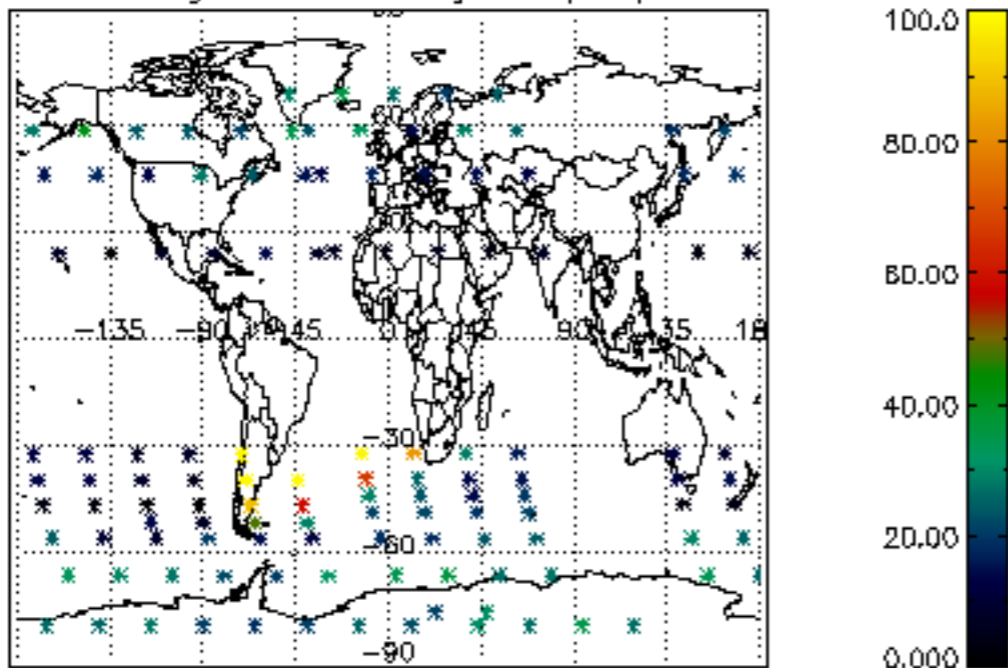
Percentage of flagged data per NO3 profile



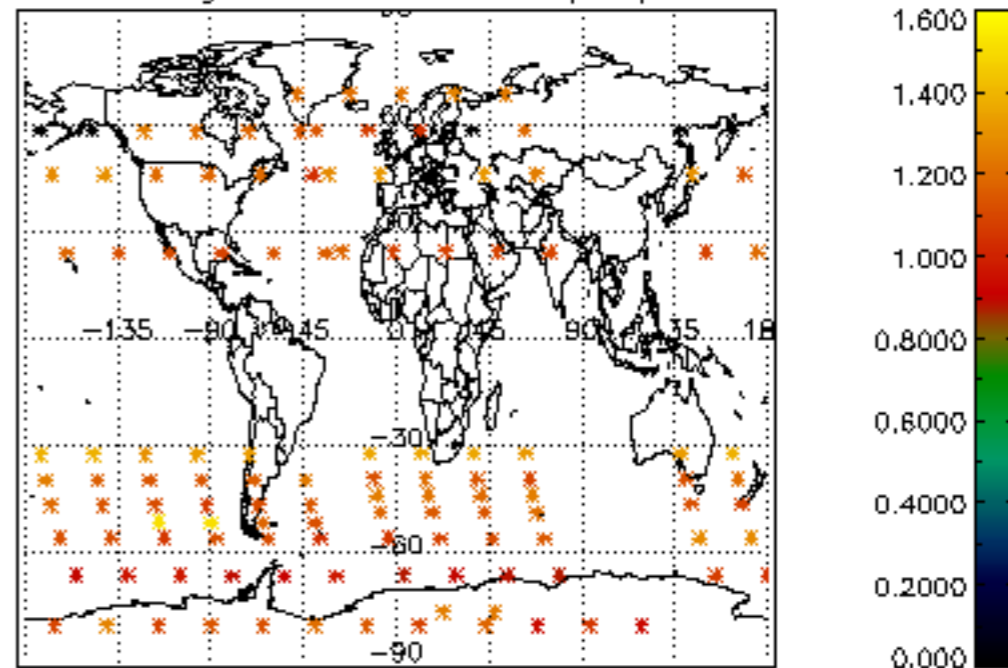




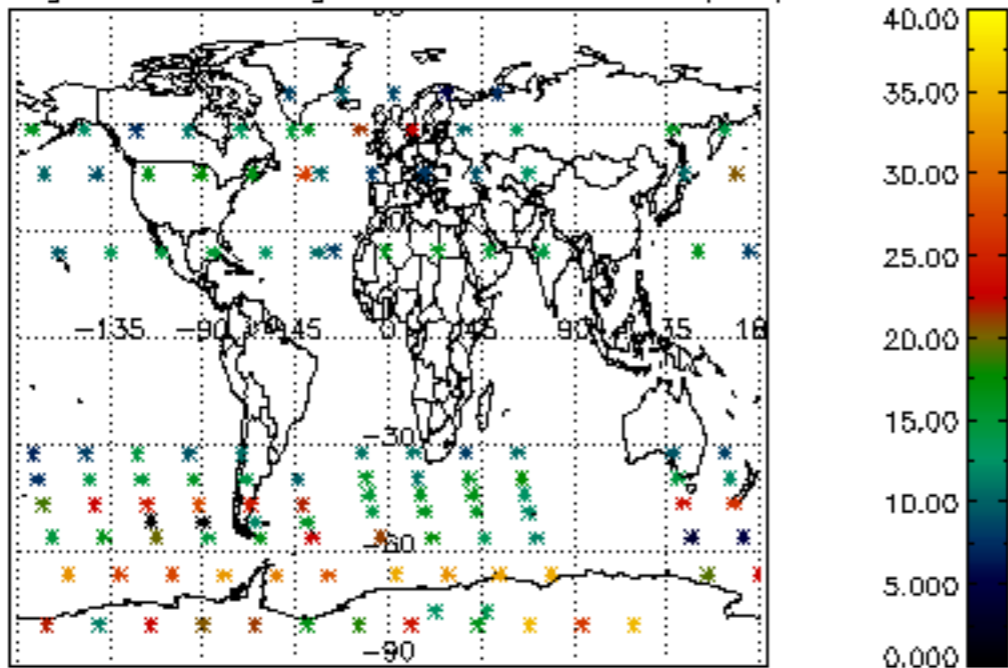
Percentage of cosmic ray hits per profile



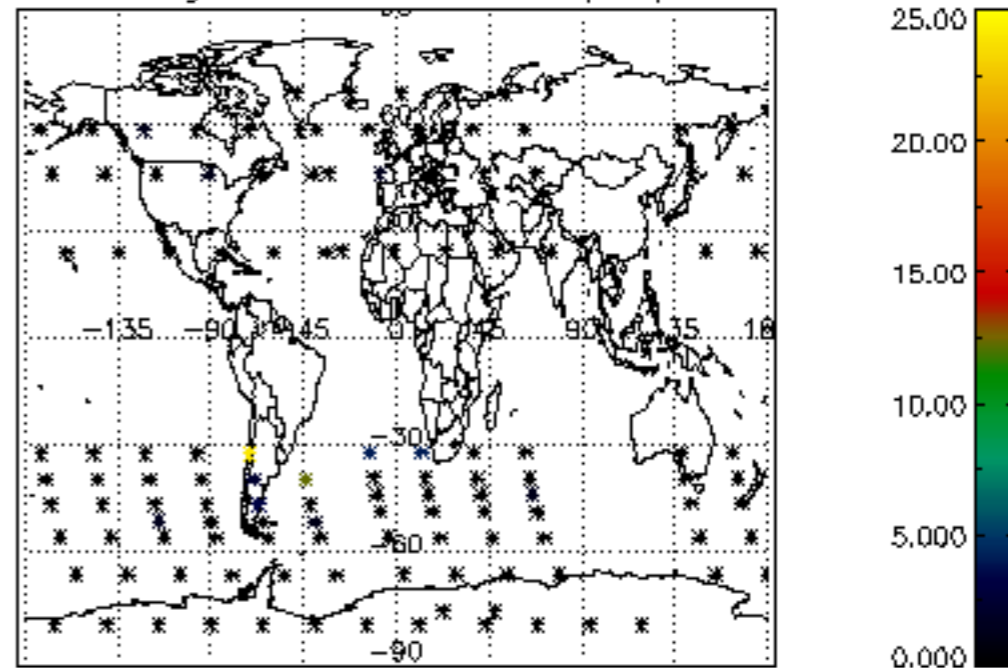
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

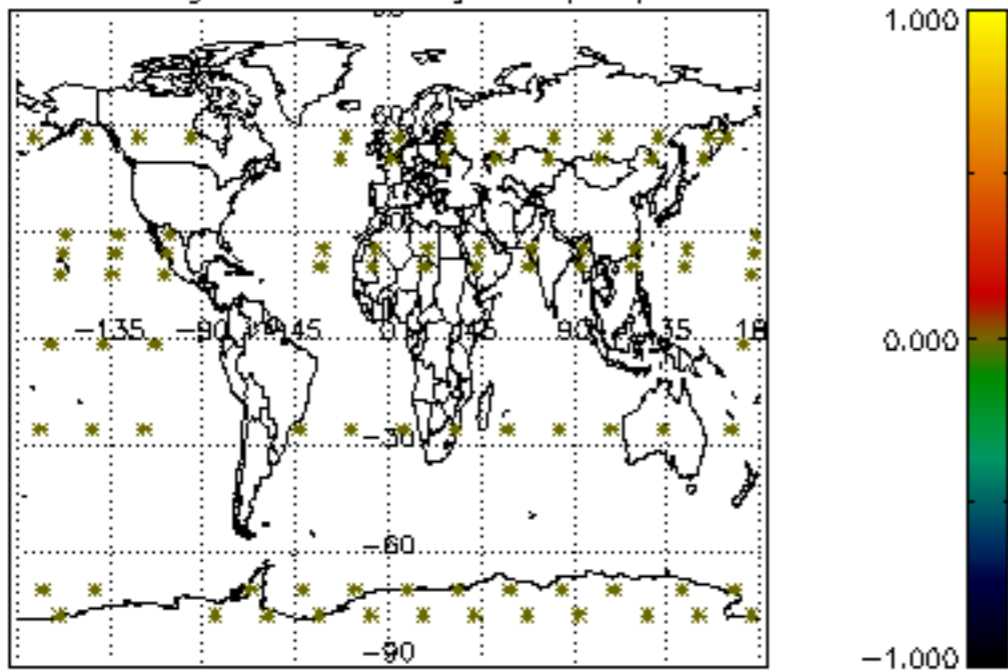


Percentage of saturation errors per profile

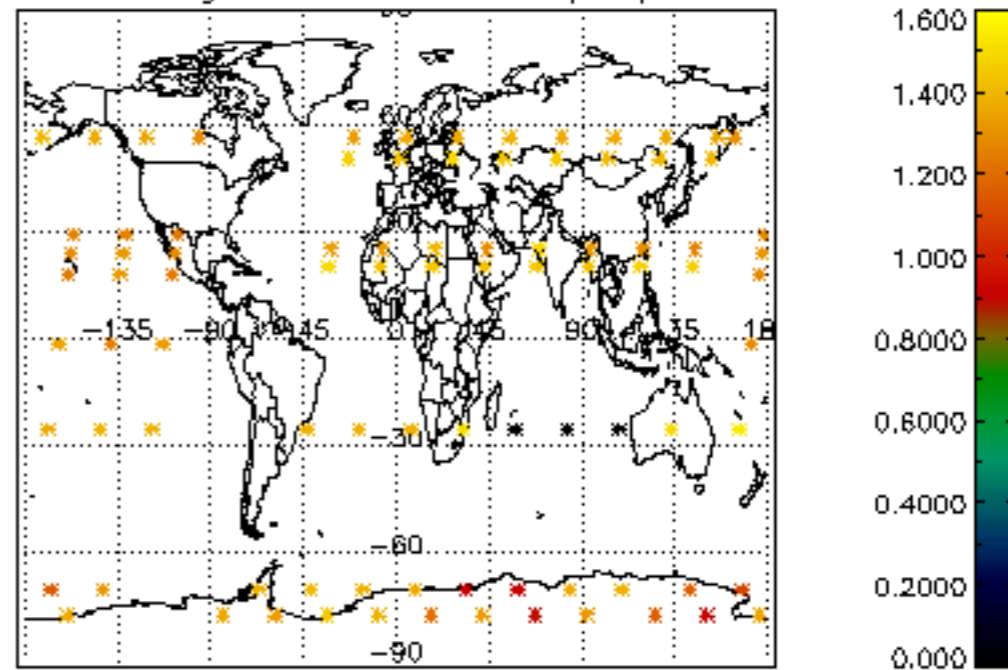




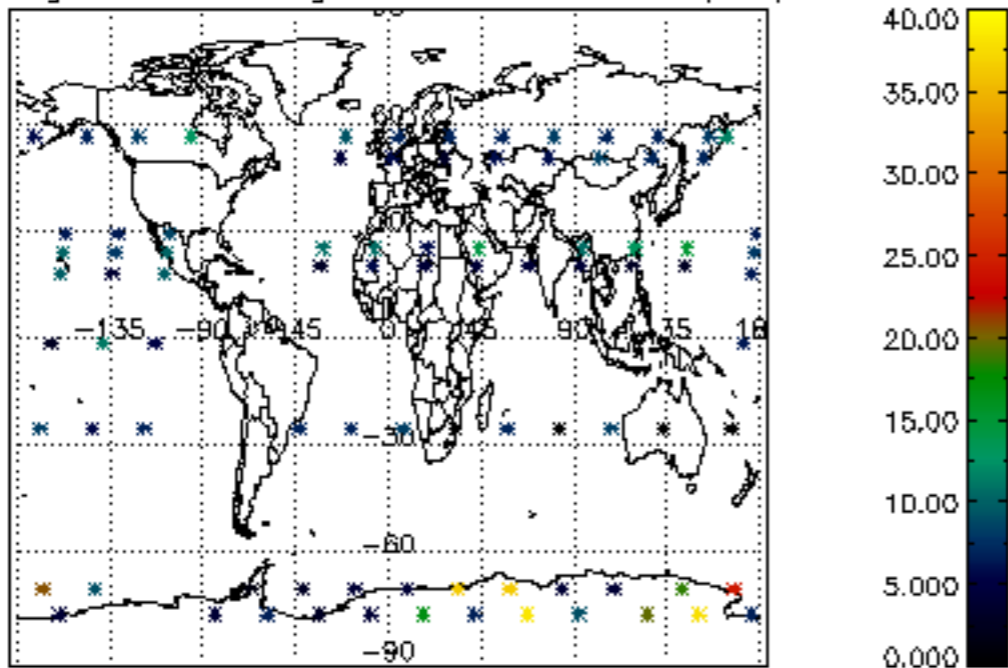
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

