

# GOMOS Level 2 Daily Report

## SUMMARY

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

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

### [3. Level 2 Quality information per product](#)

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

#### [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](#)

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

### [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	29APR2013 09:51:05
Data source version	GOMOS/6.01
Start time of products	19-04-2010 (19APR2010 00:00:00)
Stop time of products	20-04-2010 (20APR2010 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	262
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__2PRFIN20100419_000051_000000492088_00388_42526_5516.N1	19-APR-2010 00:00:51	Bright	49.000	19	50Alp Cyg	1.2460	10500.	98	42526	No
2	GOM_NL__2PRFIN20100419_000545_000000552088_00388_42526_5517.N1	19-APR-2010 00:05:45	Bright	55.000	164	44Eta Peg	2.9480	5400.0	110	42526	No
3	GOM_NL__2PRFIN20100419_001304_000000522088_00388_42526_5518.N1	19-APR-2010 00:13:04	Dark	52.000	61	8Eps Peg	2.1000	3900.0	104	42526	No
4	GOM_NL__2PRFIN20100419_001532_000000452088_00388_42526_5519.N1	19-APR-2010 00:15:32	Dark	45.000	162	34Alp Aqr	2.9440	5350.0	90	42526	No
5	GOM_NL__2PRFIN20100419_001819_000000512088_00388_42526_5520.N1	19-APR-2010 00:18:19	Dark	50.500	154	22Bet Aqr	2.8990	5700.0	101	42526	No
6	GOM_NL__2PRFIN20100419_002039_000000442088_00388_42526_5521.N1	19-APR-2010 00:20:39	Dark	44.000	142	49Del Cap	2.8500	8900.0	88	42526	No
7	GOM_NL__2PRFIN20100419_004117_000000522088_00389_42527_5531.N1	19-APR-2010 00:41:17	Dark	52.000	40	The Sco	1.8590	7100.0	104	42527	No
8	GOM_NL__2PRFIN20100419_004752_000000452088_00389_42527_5532.N1	19-APR-2010 00:47:52	Straylight	44.500	78	Alp Lup	2.3040	28000.	89	42527	No
9	GOM_NL__2PRFIN20100419_004927_000000432088_00389_42527_5533.N1	19-APR-2010 00:49:27	Straylight	43.000	81	Eta Cen	2.3560	28000.	86	42527	No
10	GOM_NL__2PRFIN20100419_005145_000000482088_00389_42527_5534.N1	19-APR-2010 00:51:45	Straylight	48.000	54	5The Cen	2.0550	4500.0	96	42527	No
11	GOM_NL__2PRFIN20100419_005621_000000432088_00389_42527_5535.N1	19-APR-2010 00:56:21	Twilight_stray	42.500	169	46Gam Hya	2.9910	4700.0	85	42527	No
12	GOM_NL__2PRFIN20100419_005954_000000462088_00389_42527_5536.N1	19-APR-2010 00:59:54	Bright	45.500	15	67Alp Vir	0.97600	28000.	91	42527	No
13	GOM_NL__2PRFIN20100419_010257_000000382088_00389_42527_5537.N1	19-APR-2010 01:02:57	Bright	38.000	121	29Gam Vir	2.7400	7200.0	76	42527	No
14	GOM_NL__2PRFIN20100419_010636_000000392088_00389_42527_5538.N1	19-APR-2010 01:06:36	Bright	39.000	138	47Eps Vir	2.8280	4700.0	78	42527	No
15	GOM_NL__2PRFIN20100419_010943_000000482088_00389_42527_5539.N1	19-APR-2010 01:09:43	Bright	48.000	111	8Eta Boo	2.6800	6000.0	96	42527	No
16	GOM_NL__2PRFIN20100419_011847_000000392088_00389_42527_5540.N1	19-APR-2010 01:18:47	Bright	38.500	39	85Eta UMa	1.8540	24000.	77	42527	No
17	GOM_NL__2PRFIN20100419_012559_000000422088_00389_42527_5541.N1	19-APR-2010 01:25:59	Bright	42.000	60	7Bet UMi	2.0810	3950.0	84	42527	No
18	GOM_NL__2PRFIN20100419_013610_000000382088_00389_42527_5542.N1	19-APR-2010 01:36:10	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	42527	No
19	GOM_NL__2PRFIN20100419_014127_000000492088_00389_42527_5543.N1	19-APR-2010 01:41:27	Bright	49.000	19	50Alp Cyg	1.2460	10500.	98	42527	No
20	GOM_NL__2PRFIN20100419_014621_000000512088_00389_42527_5544.N1	19-APR-2010 01:46:21	Bright	50.500	164	44Eta Peg	2.9480	5400.0	101	42527	No
21	GOM_NL__2PRFIN20100419_015340_000000532088_00389_42527_5545.N1	19-APR-2010 01:53:40	Dark	53.000	61	8Eps Peg	2.1000	3900.0	106	42527	No
22	GOM_NL__2PRFIN20100419_015608_000000442088_00389_42527_5546.N1	19-APR-2010 01:56:08	Dark	43.500	162	34Alp Aqr	2.9440	5350.0	87	42527	No
23	GOM_NL__2PRFIN20100419_015856_000000482088_00389_42527_5547.N1	19-APR-2010 01:58:56	Dark	48.000	154	22Bet Aqr	2.8990	5700.0	96	42527	No
24	GOM_NL__2PRFIN20100419_020116_000000462088_00389_42527_5548.N1	19-APR-2010 02:01:16	Dark	46.000	142	49Del Cap	2.8500	8900.0	92	42527	No
25	GOM_NL__2PRFIN20100419_022154_000000642088_00390_42528_5539.N1	19-APR-2010 02:21:54	Dark	63.500	40	The Sco	1.8590	7100.0	127	42528	No
26	GOM_NL__2PRFIN20100419_022828_000000412088_00390_42528_5540.N1	19-APR-2010 02:28:28	Straylight	40.500	78	Alp Lup	2.3040	28000.	81	42528	No
27	GOM_NL__2PRFIN20100419_023003_000000422088_00390_42528_5541.N1	19-APR-2010 02:30:03	Straylight	41.500	81	Eta Cen	2.3560	28000.	83	42528	No
28	GOM_NL__2PRFIN20100419_023221_000000462088_00390_42528_5542.N1	19-APR-2010 02:32:21	Straylight	46.000	54	5The Cen	2.0550	4500.0	92	42528	No
29	GOM_NL__2PRFIN20100419_023657_000000412088_00390_42528_5543.N1	19-APR-2010 02:36:57	Twilight_stray	41.000	169	46Gam Hya	2.9910	4700.0	82	42528	No
30	GOM_NL__2PRFIN20100419_024030_000000442088_00390_42528_5544.N1	19-APR-2010 02:40:30	Bright	43.500	15	67Alp Vir	0.97600	28000.	87	42528	No
31	GOM_NL__2PRFIN20100419_024332_000000382088_00390_42528_5545.N1	19-APR-2010 02:43:32	Bright	37.500	121	29Gam Vir	2.7400	7200.0	75	42528	No
32	GOM_NL__2PRFIN20100419_024712_000000392088_00390_42528_5546.N1	19-APR-2010 02:47:12	Bright	39.000	138	47Eps Vir	2.8280	4700.0	78	42528	No
33	GOM_NL__2PRFIN20100419_025019_000000472088_00390_42528_5547.N1	19-APR-2010 02:50:19	Bright	47.000	111	8Eta Boo	2.6800	6000.0	94	42528	No
34	GOM_NL__2PRFIN20100419_025513_000000372088_00390_42528_5548.N1	19-APR-2010 02:55:13	Bright	36.500	152	12Alp2CVn	2.8900	11000.	73	42528	No
35	GOM_NL__2PRFIN20100419_025923_000000602088_00390_42528_5549.N1	19-APR-2010 02:59:23	Bright	60.000	39	85Eta UMa	1.8540	24000.	120	42528	No
36	GOM_NL__2PRFIN20100419_030635_000000402088_00390_42528_5550.N1	19-APR-2010 03:06:35	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	42528	No
37	GOM_NL__2PRFIN20100419_031645_000000412088_00390_42528_5551.N1	19-APR-2010 03:16:45	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	42528	No
38	GOM_NL__2PRFIN20100419_032202_000000432088_00390_42528_5552.N1	19-APR-2010 03:22:02	Bright	43.000	19	50Alp Cyg	1.2460	10500.	86	42528	No
39	GOM_NL__2PRFIN20100419_032657_000000442088_00390_42528_5553.N1	19-APR-2010 03:26:57	Bright	43.500	164	44Eta Peg	2.9480	5400.0	87	42528	No
40	GOM_NL__2PRFIN20100419_033417_000000522088_00390_42528_5554.N1	19-APR-2010 03:34:17	Dark	52.000	61	8Eps Peg	2.1000	3900.0	104	42528	No
41	GOM_NL__2PRFIN20100419_033645_000000472088_00390_42528_5555.N1	19-APR-2010 03:36:45	Dark	47.000	162	34Alp Aqr	2.9440	5350.0	94	42528	No
42	GOM_NL__2PRFIN20100419_033933_000000502088_00390_42528_5556.N1	19-APR-2010 03:39:33	Dark	49.500	154	22Bet Aqr	2.8990	5700.0	99	42528	No

43	GOM_NL__2PRFIN20100419_034153_000000442088_00390_42528_5557.N1	19-APR-2010 03:41:53	Dark	44.000	142	49Del Cap	2.8500	8900.0	88	42528	No
44	GOM_NL__2PRFIN20100419_040231_000000572088_00391_42529_5547.N1	19-APR-2010 04:02:31	Dark	57.000	40	The Sco	1.8590	7100.0	114	42529	No
45	GOM_NL__2PRFIN20100419_040905_000000432088_00391_42529_5548.N1	19-APR-2010 04:09:05	Straylight	42.500	78	Alp Lup	2.3040	28000.	85	42529	No
46	GOM_NL__2PRFIN20100419_041040_000000432088_00391_42529_5549.N1	19-APR-2010 04:10:40	Straylight	43.000	81	Eta Cen	2.3560	28000.	86	42529	No
47	GOM_NL__2PRFIN20100419_041258_000000472088_00391_42529_5550.N1	19-APR-2010 04:12:58	Straylight	47.000	54	5The Cen	2.0550	4500.0	94	42529	No
48	GOM_NL__2PRFIN20100419_041734_000000452088_00391_42529_5551.N1	19-APR-2010 04:17:34	Tw_i_and_stray	44.500	169	46Gam Hya	2.9910	4700.0	89	42529	No
49	GOM_NL__2PRFIN20100419_042106_000000422088_00391_42529_5552.N1	19-APR-2010 04:21:06	Bright	41.500	15	67Alp Vir	0.97600	28000.	83	42529	No
50	GOM_NL__2PRFIN20100419_042409_000000392088_00391_42529_5553.N1	19-APR-2010 04:24:09	Bright	38.500	121	29Gam Vir	2.7400	7200.0	77	42529	No
51	GOM_NL__2PRFIN20100419_042748_000000402088_00391_42529_5554.N1	19-APR-2010 04:27:48	Bright	39.500	138	47Eps Vir	2.8280	4700.0	79	42529	No
52	GOM_NL__2PRFIN20100419_043055_000000442088_00391_42529_5555.N1	19-APR-2010 04:30:55	Bright	44.000	111	8Eta Boo	2.6800	6000.0	88	42529	No
53	GOM_NL__2PRFIN20100419_043549_000000382088_00391_42529_5556.N1	19-APR-2010 04:35:49	Bright	37.500	152	12Alp2CVn	2.8900	11000.	75	42529	No
54	GOM_NL__2PRFIN20100419_043958_000000432088_00391_42529_5557.N1	19-APR-2010 04:39:58	Bright	42.500	39	85Eta UMa	1.8540	24000.	85	42529	No
55	GOM_NL__2PRFIN20100419_044711_000000422088_00391_42529_5558.N1	19-APR-2010 04:47:11	Bright	41.500	60	7Bet UMi	2.0810	3950.0	83	42529	No
56	GOM_NL__2PRFIN20100419_045721_000000412088_00391_42529_5559.N1	19-APR-2010 04:57:21	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	42529	No
57	GOM_NL__2PRFIN20100419_050238_000000432088_00391_42529_5560.N1	19-APR-2010 05:02:38	Bright	43.000	19	50Alp Cyg	1.2460	10500.	86	42529	No
58	GOM_NL__2PRFIN20100419_050733_000000472088_00391_42529_5561.N1	19-APR-2010 05:07:33	Bright	46.500	164	44Eta Peg	2.9480	5400.0	93	42529	No
59	GOM_NL__2PRFIN20100419_051454_000000532088_00391_42529_5562.N1	19-APR-2010 05:14:54	Dark	52.500	61	8Eps Peg	2.1000	3900.0	105	42529	No
60	GOM_NL__2PRFIN20100419_051721_000000462088_00391_42529_5563.N1	19-APR-2010 05:17:21	Dark	45.500	162	34Alp Aqr	2.9440	5350.0	91	42529	No
61	GOM_NL__2PRFIN20100419_052009_000000502088_00391_42529_5564.N1	19-APR-2010 05:20:09	Dark	50.000	154	22Bet Aqr	2.8990	5700.0	100	42529	No
62	GOM_NL__2PRFIN20100419_052229_000000472088_00391_42529_5565.N1	19-APR-2010 05:22:29	Dark	47.000	142	49Del Cap	2.8500	8900.0	94	42529	No
63	GOM_NL__2PRFIN20100419_054308_000000642088_00392_42530_5555.N1	19-APR-2010 05:43:08	Dark	64.000	40	The Sco	1.8590	7100.0	128	42530	No
64	GOM_NL__2PRFIN20100419_054941_000000432088_00392_42530_5556.N1	19-APR-2010 05:49:41	Straylight	42.500	78	Alp Lup	2.3040	28000.	85	42530	No
65	GOM_NL__2PRFIN20100419_055116_000000432088_00392_42530_5557.N1	19-APR-2010 05:51:16	Straylight	42.500	81	Eta Cen	2.3560	28000.	85	42530	No
66	GOM_NL__2PRFIN20100419_055334_000000492088_00392_42530_5558.N1	19-APR-2010 05:53:34	Straylight	49.000	54	5The Cen	2.0550	4500.0	98	42530	No
67	GOM_NL__2PRFIN20100419_055810_000000422088_00392_42530_5559.N1	19-APR-2010 05:58:10	Tw_i_and_stray	42.000	169	46Gam Hya	2.9910	4700.0	84	42530	No
68	GOM_NL__2PRFIN20100419_060143_000000452088_00392_42530_5560.N1	19-APR-2010 06:01:43	Bright	44.500	15	67Alp Vir	0.97600	28000.	89	42530	No
69	GOM_NL__2PRFIN20100419_060445_000000392088_00392_42530_5561.N1	19-APR-2010 06:04:45	Bright	38.500	121	29Gam Vir	2.7400	7200.0	77	42530	No
70	GOM_NL__2PRFIN20100419_060824_000000392088_00392_42530_5562.N1	19-APR-2010 06:08:24	Bright	38.500	138	47Eps Vir	2.8280	4700.0	77	42530	No
71	GOM_NL__2PRFIN20100419_061130_000000472088_00392_42530_5563.N1	19-APR-2010 06:11:30	Bright	47.000	111	8Eta Boo	2.6800	6000.0	94	42530	No
72	GOM_NL__2PRFIN20100419_061625_000000362088_00392_42530_5564.N1	19-APR-2010 06:16:25	Bright	36.000	152	12Alp2CVn	2.8900	11000.	72	42530	No
73	GOM_NL__2PRFIN20100419_062034_000000422088_00392_42530_5565.N1	19-APR-2010 06:20:34	Bright	42.000	39	85Eta UMa	1.8540	24000.	84	42530	No
74	GOM_NL__2PRFIN20100419_062747_000000392088_00392_42530_5566.N1	19-APR-2010 06:27:47	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	42530	No
75	GOM_NL__2PRFIN20100419_063757_000000412088_00392_42530_5567.N1	19-APR-2010 06:37:57	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	42530	No
76	GOM_NL__2PRFIN20100419_064314_000000372088_00392_42530_5568.N1	19-APR-2010 06:43:14	Bright	37.000	19	50Alp Cyg	1.2460	10500.	74	42530	No
77	GOM_NL__2PRFIN20100419_064809_000000482088_00392_42530_5569.N1	19-APR-2010 06:48:09	Bright	48.000	164	44Eta Peg	2.9480	5400.0	96	42530	No
78	GOM_NL__2PRFIN20100419_065530_000000562088_00392_42530_5570.N1	19-APR-2010 06:55:30	Dark	55.500	61	8Eps Peg	2.1000	3900.0	111	42530	No
79	GOM_NL__2PRFIN20100419_065758_000000482088_00392_42530_5571.N1	19-APR-2010 06:57:58	Dark	47.500	162	34Alp Aqr	2.9440	5350.0	95	42530	No
80	GOM_NL__2PRFIN20100419_070046_000000512088_00392_42530_5572.N1	19-APR-2010 07:00:46	Dark	51.000	154	22Bet Aqr	2.8990	5700.0	102	42530	No
81	GOM_NL__2PRFIN20100419_070306_000000462088_00392_42530_5573.N1	19-APR-2010 07:03:06	Dark	46.000	142	49Del Cap	2.8500	8900.0	92	42530	No
82	GOM_NL__2PRFIN20100419_072345_000000522088_00393_42531_5564.N1	19-APR-2010 07:23:45	Dark	52.000	40	The Sco	1.8590	7100.0	104	42531	No
83	GOM_NL__2PRFIN20100419_073018_000000412088_00393_42531_5565.N1	19-APR-2010 07:30:18	Straylight	40.500	78	Alp Lup	2.3040	28000.	81	42531	No
84	GOM_NL__2PRFIN20100419_073153_000000452088_00393_42531_5566.N1	19-APR-2010 07:31:53	Straylight	45.000	81	Eta Cen	2.3560	28000.	90	42531	No
85	GOM_NL__2PRFIN20100419_073411_000000472088_00393_42531_5567.N1	19-APR-2010 07:34:11	Straylight	47.000	54	5The Cen	2.0550	4500.0	94	42531	No
86	GOM_NL__2PRFIN20100419_073846_000000432088_00393_42531_5568.N1	19-APR-2010 07:38:46	Tw_i_and_stray	43.000	169	46Gam Hya	2.9910	4700.0	86	42531	No
87	GOM_NL__2PRFIN20100419_074219_000000422088_00393_42531_5569.N1	19-APR-2010 07:42:19	Bright	42.000	15	67Alp Vir	0.97600	28000.	84	42531	No
88	GOM_NL__2PRFIN20100419_074521_000000382088_00393_42531_5570.N1	19-APR-2010 07:45:21	Bright	38.000	121	29Gam Vir	2.7400	7200.0	76	42531	No
89	GOM_NL__2PRFIN20100419_074900_000000392088_00393_42531_5571.N1	19-APR-2010 07:49:00	Bright	38.500	138	47Eps Vir	2.8280	4700.0	77	42531	No
90	GOM_NL__2PRFIN20100419_075206_000000462088_00393_42531_5572.N1	19-APR-2010 07:52:06	Bright	46.000	111	8Eta Boo	2.6800	6000.0	92	42531	No
91	GOM_NL__2PRFIN20100419_075701_000000392088_00393_42531_5573.N1	19-APR-2010 07:57:01	Bright	38.500	152	12Alp2CVn	2.8900	11000.	77	42531	No
92	GOM_NL__2PRFIN20100419_080109_000000392088_00393_42531_5574.N1	19-APR-2010 08:01:09	Bright	39.000	39	85Eta UMa	1.8540	24000.	78	42531	No
93	GOM_NL__2PRFIN20100419_080822_000000562088_00393_42531_5575.N1	19-APR-2010 08:08:22	Bright	56.000	60	7Bet UMi	2.0810	3950.0	112	42531	No
94	GOM_NL__2PRFIN20100419_081833_000000412088_00393_42531_5576.N1	19-APR-2010 08:18:33	Bright	40.500	89	5Alp Cep	2.4510	8000.0	81	42531	No
95	GOM_NL__2PRFIN20100419_082350_000000372088_00393_42531_5577.N1	19-APR-2010 08:23:50	Bright	37.000	19	50Alp Cyg	1.2460	10500.	74	42531	No
96	GOM_NL__2PRFIN20100419_082845_000000382088_00393_42531_5578.N1	19-APR-2010 08:28:45	Bright	38.000	164	44Eta Peg	2.9480	5400.0	76	42531	No
97	GOM_NL__2PRFIN20100419_083606_000000552088_00393_42531_5579.N1	19-APR-2010 08:36:06	Dark	54.500	61	8Eps Peg	2.1000	3900.0	109	42531	No
98	GOM_NL__2PRFIN20100419_083834_000000442088_00393_42531_5580.N1	19-APR-2010 08:38:34	Dark	43.500	162	34Alp Aqr	2.9440	5350.0	87	42531	No
99	GOM_NL__2PRFIN20100419_084123_000000512088_00393_42531_5581.N1	19-APR-2010 08:41:23	Dark	51.000	154	22Bet Aqr	2.8990	5700.0	102	42531	No
100	GOM_NL__2PRFIN20100419_084342_000000432088_00393_42531_5582.N1	19-APR-2010 08:43:42	Dark	43.000	142	49Del Cap	2.8500	8900.0	86	42531	No
101	GOM_NL__2PRFIN20100419_090422_000000602088_00394_42532_5572.N1	19-APR-2010 09:04:22	Dark	59.500	40	The Sco	1.8590	7100.0	119	42532	No

102	GOM_NL__2PRFIN20100419_091054_000000422088_00394_42532_5573.N1	19-APR-2010 09:10:54	Straylight	42.000	78	Alp Lup	2.3040	28000.	84	42532	No
103	GOM_NL__2PRFIN20100419_091229_000000432088_00394_42532_5574.N1	19-APR-2010 09:12:29	Straylight	43.000	81	Eta Cen	2.3560	28000.	86	42532	No
104	GOM_NL__2PRFIN20100419_091447_000000462088_00394_42532_5575.N1	19-APR-2010 09:14:47	Straylight	46.000	54	5The Cen	2.0550	4500.0	92	42532	No
105	GOM_NL__2PRFIN20100419_091922_000000412088_00394_42532_5576.N1	19-APR-2010 09:19:22	Tw_i_and_stray	41.000	169	46Gam Hya	2.9910	4700.0	82	42532	No
106	GOM_NL__2PRFIN20100419_092255_000000452088_00394_42532_5577.N1	19-APR-2010 09:22:55	Bright	45.000	15	67Alp Vir	0.97600	28000.	90	42532	No
107	GOM_NL__2PRFIN20100419_092557_000000382088_00394_42532_5578.N1	19-APR-2010 09:25:57	Bright	37.500	121	29Gam Vir	2.7400	7200.0	75	42532	No
108	GOM_NL__2PRFIN20100419_092936_000000402088_00394_42532_5579.N1	19-APR-2010 09:29:36	Bright	39.500	138	47Eps Vir	2.8280	4700.0	79	42532	No
109	GOM_NL__2PRFIN20100419_093241_000000442088_00394_42532_5580.N1	19-APR-2010 09:32:41	Bright	44.000	111	8Eta Boo	2.6800	6000.0	88	42532	No
110	GOM_NL__2PRFIN20100419_093736_000000382088_00394_42532_5581.N1	19-APR-2010 09:37:36	Bright	38.000	152	12Alp2CVn	2.8900	11000.	76	42532	No
111	GOM_NL__2PRFIN20100419_094145_000000422088_00394_42532_5582.N1	19-APR-2010 09:41:45	Bright	42.000	39	85Eta UMa	1.8540	24000.	84	42532	No
112	GOM_NL__2PRFIN20100419_094858_000000562088_00394_42532_5583.N1	19-APR-2010 09:48:58	Bright	56.000	60	7Bet UMi	2.0810	3950.0	112	42532	No
113	GOM_NL__2PRFIN20100419_095909_000000382088_00394_42532_5584.N1	19-APR-2010 09:59:09	Bright	37.500	89	5Alp Cep	2.4510	8000.0	75	42532	No
114	GOM_NL__2PRFIN20100419_100426_000000312088_00394_42532_5585.N1	19-APR-2010 10:04:26	Tw_i_and_stray	31.000	19	50Alp Cyg	1.2460	10500.	62	42532	No
115	GOM_NL__2PRFIN20100419_100921_000000392088_00394_42532_5586.N1	19-APR-2010 10:09:21	Bright	38.500	164	44Eta Peg	2.9480	5400.0	77	42532	No
116	GOM_NL__2PRFIN20100419_101642_000000512088_00394_42532_5587.N1	19-APR-2010 10:16:42	Dark	50.500	61	8Eps Peg	2.1000	3900.0	101	42532	No
117	GOM_NL__2PRFIN20100419_101911_000000452088_00394_42532_5588.N1	19-APR-2010 10:19:11	Dark	45.000	162	34Alp Aqr	2.9440	5350.0	90	42532	No
118	GOM_NL__2PRFIN20100419_102159_000000522088_00394_42532_5589.N1	19-APR-2010 10:21:59	Dark	51.500	154	22Bet Aqr	2.8990	5700.0	103	42532	No
119	GOM_NL__2PRFIN20100419_102419_000000462088_00394_42532_5590.N1	19-APR-2010 10:24:19	Dark	45.500	142	49Del Cap	2.8500	8900.0	91	42532	No
120	GOM_NL__2PRFIN20100419_104459_000000532088_00395_42533_5580.N1	19-APR-2010 10:44:59	Dark	53.000	40	The Sco	1.8590	7100.0	106	42533	No
121	GOM_NL__2PRFIN20100419_105130_000000402088_00395_42533_5581.N1	19-APR-2010 10:51:30	Straylight	40.000	78	Alp Lup	2.3040	28000.	80	42533	No
122	GOM_NL__2PRFIN20100419_105305_000000442088_00395_42533_5582.N1	19-APR-2010 10:53:05	Straylight	43.500	81	Eta Cen	2.3560	28000.	87	42533	No
123	GOM_NL__2PRFIN20100419_105523_000000502088_00395_42533_5583.N1	19-APR-2010 10:55:23	Straylight	49.500	54	5The Cen	2.0550	4500.0	99	42533	No
124	GOM_NL__2PRFIN20100419_105958_000000442088_00395_42533_5584.N1	19-APR-2010 10:59:58	Tw_i_and_stray	44.000	169	46Gam Hya	2.9910	4700.0	88	42533	No
125	GOM_NL__2PRFIN20100419_110331_000000462088_00395_42533_5585.N1	19-APR-2010 11:03:31	Bright	45.500	15	67Alp Vir	0.97600	28000.	91	42533	No
126	GOM_NL__2PRFIN20100419_110632_000000382088_00395_42533_5586.N1	19-APR-2010 11:06:32	Bright	37.500	121	29Gam Vir	2.7400	7200.0	75	42533	No
127	GOM_NL__2PRFIN20100419_111011_000000392088_00395_42533_5587.N1	19-APR-2010 11:10:11	Bright	38.500	138	47Eps Vir	2.8280	4700.0	77	42533	No
128	GOM_NL__2PRFIN20100419_111316_000000452088_00395_42533_5588.N1	19-APR-2010 11:13:16	Bright	45.000	111	8Eta Boo	2.6800	6000.0	90	42533	No
129	GOM_NL__2PRFIN20100419_111812_000000372088_00395_42533_5589.N1	19-APR-2010 11:18:12	Bright	36.500	152	12Alp2CVn	2.8900	11000.	73	42533	No
130	GOM_NL__2PRFIN20100419_112220_000000442088_00395_42533_5590.N1	19-APR-2010 11:22:20	Bright	44.000	39	85Eta UMa	1.8540	24000.	88	42533	No
131	GOM_NL__2PRFIN20100419_112934_000000562088_00395_42533_5591.N1	19-APR-2010 11:29:34	Bright	56.000	60	7Bet UMi	2.0810	3950.0	112	42533	No
132	GOM_NL__2PRFIN20100419_113944_000000422088_00395_42533_5592.N1	19-APR-2010 11:39:44	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	42533	No
133	GOM_NL__2PRFIN20100419_114501_000000312088_00395_42533_5593.N1	19-APR-2010 11:45:01	Tw_i_and_stray	31.000	19	50Alp Cyg	1.2460	10500.	62	42533	No
134	GOM_NL__2PRFIN20100419_114957_000000392088_00395_42533_5594.N1	19-APR-2010 11:49:57	Bright	38.500	164	44Eta Peg	2.9480	5400.0	77	42533	No
135	GOM_NL__2PRFIN20100419_115719_000000542088_00395_42533_5595.N1	19-APR-2010 11:57:19	Dark	53.500	61	8Eps Peg	2.1000	3900.0	107	42533	No
136	GOM_NL__2PRFIN20100419_115947_000000472088_00395_42533_5596.N1	19-APR-2010 11:59:47	Dark	46.500	162	34Alp Aqr	2.9440	5350.0	93	42533	No
137	GOM_NL__2PRFIN20100419_120236_000000522088_00395_42533_5597.N1	19-APR-2010 12:02:36	Dark	52.000	154	22Bet Aqr	2.8990	5700.0	104	42533	No
138	GOM_NL__2PRFIN20100419_120455_000000492088_00395_42533_5598.N1	19-APR-2010 12:04:55	Dark	49.000	142	49Del Cap	2.8500	8900.0	98	42533	No
139	GOM_NL__2PRFIN20100419_122536_000000512088_00396_42534_5588.N1	19-APR-2010 12:25:36	Dark	51.000	40	The Sco	1.8590	7100.0	102	42534	No
140	GOM_NL__2PRFIN20100419_123206_000000432088_00396_42534_5589.N1	19-APR-2010 12:32:06	Straylight	43.000	78	Alp Lup	2.3040	28000.	86	42534	No
141	GOM_NL__2PRFIN20100419_123341_000000432088_00396_42534_5590.N1	19-APR-2010 12:33:41	Straylight	43.000	81	Eta Cen	2.3560	28000.	86	42534	No
142	GOM_NL__2PRFIN20100419_123559_000000492088_00396_42534_5591.N1	19-APR-2010 12:35:59	Straylight	48.500	54	5The Cen	2.0550	4500.0	97	42534	No
143	GOM_NL__2PRFIN20100419_124034_000000432088_00396_42534_5592.N1	19-APR-2010 12:40:34	Tw_i_and_stray	42.500	169	46Gam Hya	2.9910	4700.0	85	42534	No
144	GOM_NL__2PRFIN20100419_124406_000000442088_00396_42534_5593.N1	19-APR-2010 12:44:06	Bright	44.000	15	67Alp Vir	0.97600	28000.	88	42534	No
145	GOM_NL__2PRFIN20100419_124708_000000372088_00396_42534_5594.N1	19-APR-2010 12:47:08	Bright	36.500	121	29Gam Vir	2.7400	7200.0	73	42534	No
146	GOM_NL__2PRFIN20100419_125047_000000382088_00396_42534_5595.N1	19-APR-2010 12:50:47	Bright	38.000	138	47Eps Vir	2.8280	4700.0	76	42534	No
147	GOM_NL__2PRFIN20100419_125352_000000442088_00396_42534_5596.N1	19-APR-2010 12:53:52	Bright	43.500	111	8Eta Boo	2.6800	6000.0	87	42534	No
148	GOM_NL__2PRFIN20100419_125848_000000392088_00396_42534_5597.N1	19-APR-2010 12:58:48	Bright	38.500	152	12Alp2CVn	2.8900	11000.	77	42534	No
149	GOM_NL__2PRFIN20100419_130255_000000412088_00396_42534_5598.N1	19-APR-2010 13:02:55	Bright	41.000	39	85Eta UMa	1.8540	24000.	82	42534	No
150	GOM_NL__2PRFIN20100419_131009_000000412088_00396_42534_5599.N1	19-APR-2010 13:10:09	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	42534	No
151	GOM_NL__2PRFIN20100419_132020_000000402088_00396_42534_5600.N1	19-APR-2010 13:20:20	Bright	39.500	89	5Alp Cep	2.4510	8000.0	79	42534	No
152	GOM_NL__2PRFIN20100419_132537_000000252088_00396_42534_5601.N1	19-APR-2010 13:25:37	Tw_i_and_stray	25.000	19	50Alp Cyg	1.2460	10500.	50	42534	No
153	GOM_NL__2PRFIN20100419_133033_000000392088_00396_42534_5602.N1	19-APR-2010 13:30:33	Bright	39.000	164	44Eta Peg	2.9480	5400.0	78	42534	No
154	GOM_NL__2PRFIN20100419_133755_000000562088_00396_42534_5603.N1	19-APR-2010 13:37:55	Dark	55.500	61	8Eps Peg	2.1000	3900.0	111	42534	No
155	GOM_NL__2PRFIN20100419_134023_000000482088_00396_42534_5604.N1	19-APR-2010 13:40:23	Dark	48.000	162	34Alp Aqr	2.9440	5350.0	96	42534	No
156	GOM_NL__2PRFIN20100419_134313_000000522088_00396_42534_5605.N1	19-APR-2010 13:43:13	Dark	51.500	154	22Bet Aqr	2.8990	5700.0	103	42534	No
157	GOM_NL__2PRFIN20100419_134532_000000452088_00396_42534_5606.N1	19-APR-2010 13:45:32	Dark	44.500	142	49Del Cap	2.8500	8900.0	89	42534	No
158	GOM_NL__2PRFIN20100419_140613_000000612088_00397_42535_5596.N1	19-APR-2010 14:06:13	Dark	61.000	40	The Sco	1.8590	7100.0	122	42535	No
159	GOM_NL__2PRFIN20100419_141243_000000412088_00397_42535_5597.N1	19-APR-2010 14:12:43	Straylight	41.000	78	Alp Lup	2.3040	28000.	82	42535	No
160	GOM_NL__2PRFIN20100419_141418_000000392088_00397_42535_5598.N1	19-APR-2010 14:14:18	Straylight	38.500	81	Eta Cen	2.3560	28000.	77	42535	No



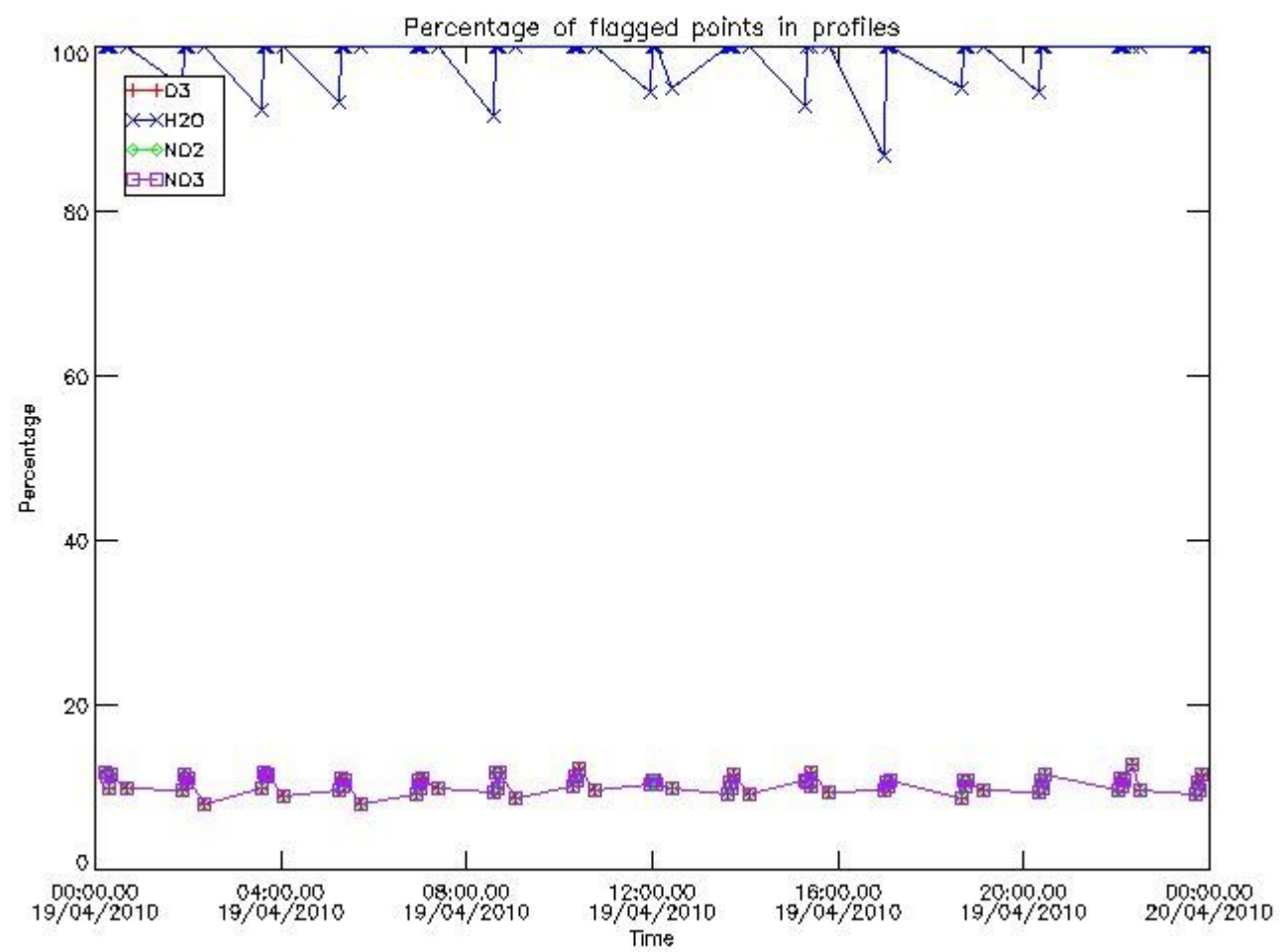
161	GOM_NL__2PRFIN20100419_141635_000000472088_00397_42535_5599.N1	19-APR-2010 14:16:35	Straylight	47.000	54	5The Cen	2.0550	4500.0	94	42535	No
162	GOM_NL__2PRFIN20100419_142110_000000442088_00397_42535_5600.N1	19-APR-2010 14:21:10	Twilight_stray	44.000	169	46Gam Hya	2.9910	4700.0	88	42535	No
163	GOM_NL__2PRFIN20100419_142442_000000472088_00397_42535_5601.N1	19-APR-2010 14:24:42	Bright	47.000	15	67Alp Vir	0.97600	28000.	94	42535	No
164	GOM_NL__2PRFIN20100419_142748_000000352088_00397_42535_5602.N1	19-APR-2010 14:27:48	Bright	34.500	121	29Gam Vir	2.7400	7200.0	69	42535	No
165	GOM_NL__2PRFIN20100419_143123_000000382088_00397_42535_5603.N1	19-APR-2010 14:31:23	Bright	38.000	138	47Eps Vir	2.8280	4700.0	76	42535	No
166	GOM_NL__2PRFIN20100419_143428_000000442088_00397_42535_5604.N1	19-APR-2010 14:34:28	Bright	44.000	111	8Eta Boo	2.6800	6000.0	88	42535	No
167	GOM_NL__2PRFIN20100419_143924_000000392088_00397_42535_5605.N1	19-APR-2010 14:39:24	Bright	38.500	152	12Alp2CVn	2.8900	11000.	77	42535	No
168	GOM_NL__2PRFIN20100419_144331_000000412088_00397_42535_5606.N1	19-APR-2010 14:43:31	Bright	41.000	39	85Eta UMa	1.8540	24000.	82	42535	No
169	GOM_NL__2PRFIN20100419_145045_000000402088_00397_42535_5607.N1	19-APR-2010 14:50:45	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	42535	No
170	GOM_NL__2PRFIN20100419_150056_000000422088_00397_42535_5608.N1	19-APR-2010 15:00:56	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	42535	No
171	GOM_NL__2PRFIN20100419_150613_000000252088_00397_42535_5609.N1	19-APR-2010 15:06:13	Twilight_stray	25.000	19	50Alp Cyg	1.2460	10500.	50	42535	No
172	GOM_NL__2PRFIN20100419_151110_000000352088_00397_42535_5610.N1	19-APR-2010 15:11:10	Bright	35.000	164	44Eta Peg	2.9480	5400.0	70	42535	No
173	GOM_NL__2PRFIN20100419_151832_000000572088_00397_42535_5611.N1	19-APR-2010 15:18:32	Dark	56.500	61	8Eps Peg	2.1000	3900.0	113	42535	No
174	GOM_NL__2PRFIN20100419_152100_000000482088_00397_42535_5612.N1	19-APR-2010 15:21:00	Dark	48.000	162	34Alp Aqr	2.9440	5350.0	96	42535	No
175	GOM_NL__2PRFIN20100419_152350_000000502088_00397_42535_5613.N1	19-APR-2010 15:23:50	Dark	50.000	154	22Bet Aqr	2.8990	5700.0	100	42535	No
176	GOM_NL__2PRFIN20100419_152609_000000442088_00397_42535_5614.N1	19-APR-2010 15:26:09	Dark	43.500	142	49Del Cap	2.8500	8900.0	87	42535	No
177	GOM_NL__2PRFIN20100419_154650_000000542088_00398_42536_5604.N1	19-APR-2010 15:46:50	Dark	54.000	40	The Sco	1.8590	7100.0	108	42536	No
178	GOM_NL__2PRFIN20100419_155319_000000442088_00398_42536_5605.N1	19-APR-2010 15:53:19	Straylight	44.000	78	Alp Lup	2.3040	28000.	88	42536	No
179	GOM_NL__2PRFIN20100419_155454_000000442088_00398_42536_5606.N1	19-APR-2010 15:54:54	Straylight	44.000	81	Eta Cen	2.3560	28000.	88	42536	No
180	GOM_NL__2PRFIN20100419_155712_000000482088_00398_42536_5607.N1	19-APR-2010 15:57:12	Straylight	48.000	54	5The Cen	2.0550	4500.0	96	42536	No
181	GOM_NL__2PRFIN20100419_160146_000000452088_00398_42536_5608.N1	19-APR-2010 16:01:46	Twilight_stray	44.500	169	46Gam Hya	2.9910	4700.0	89	42536	No
182	GOM_NL__2PRFIN20100419_160518_000000452088_00398_42536_5609.N1	19-APR-2010 16:05:18	Bright	44.500	15	67Alp Vir	0.97600	28000.	89	42536	No
183	GOM_NL__2PRFIN20100419_161159_000000382088_00398_42536_5610.N1	19-APR-2010 16:11:59	Bright	38.000	138	47Eps Vir	2.8280	4700.0	76	42536	No
184	GOM_NL__2PRFIN20100419_161503_000000462088_00398_42536_5611.N1	19-APR-2010 16:15:03	Bright	45.500	111	8Eta Boo	2.6800	6000.0	91	42536	No
185	GOM_NL__2PRFIN20100419_161959_000000392088_00398_42536_5612.N1	19-APR-2010 16:19:59	Bright	38.500	152	12Alp2CVn	2.8900	11000.	77	42536	No
186	GOM_NL__2PRFIN20100419_162407_000000402088_00398_42536_5613.N1	19-APR-2010 16:24:07	Bright	39.500	39	85Eta UMa	1.8540	24000.	79	42536	No
187	GOM_NL__2PRFIN20100419_163121_000000392088_00398_42536_5614.N1	19-APR-2010 16:31:21	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	42536	No
188	GOM_NL__2PRFIN20100419_164131_000000412088_00398_42536_5615.N1	19-APR-2010 16:41:31	Bright	40.500	89	5Alp Cep	2.4510	8000.0	81	42536	No
189	GOM_NL__2PRFIN20100419_165146_000000362088_00398_42536_5616.N1	19-APR-2010 16:51:46	Bright	36.000	164	44Eta Peg	2.9480	5400.0	72	42536	No
190	GOM_NL__2PRFIN20100419_165908_000000532088_00398_42536_5617.N1	19-APR-2010 16:59:08	Dark	53.000	61	8Eps Peg	2.1000	3900.0	106	42536	No
191	GOM_NL__2PRFIN20100419_170136_000000492088_00398_42536_5618.N1	19-APR-2010 17:01:36	Dark	48.500	162	34Alp Aqr	2.9440	5350.0	97	42536	No
192	GOM_NL__2PRFIN20100419_170427_000000512088_00398_42536_5619.N1	19-APR-2010 17:04:27	Dark	50.500	154	22Bet Aqr	2.8990	5700.0	101	42536	No
193	GOM_NL__2PRFIN20100419_170646_000000472088_00398_42536_5620.N1	19-APR-2010 17:06:46	Dark	47.000	142	49Del Cap	2.8500	8900.0	94	42536	No
194	GOM_NL__2PRFIN20100419_172727_000000602088_00399_42537_5626.N1	19-APR-2010 17:27:27	Straylight	60.000	40	The Sco	1.8590	7100.0	120	42537	No
195	GOM_NL__2PRFIN20100419_173356_000000422088_00399_42537_5627.N1	19-APR-2010 17:33:56	Straylight	41.500	78	Alp Lup	2.3040	28000.	83	42537	No
196	GOM_NL__2PRFIN20100419_173530_000000452088_00399_42537_5628.N1	19-APR-2010 17:35:30	Straylight	45.000	81	Eta Cen	2.3560	28000.	90	42537	No
197	GOM_NL__2PRFIN20100419_173748_000000462088_00399_42537_5629.N1	19-APR-2010 17:37:48	Straylight	46.000	54	5The Cen	2.0550	4500.0	92	42537	No
198	GOM_NL__2PRFIN20100419_174222_000000462088_00399_42537_5630.N1	19-APR-2010 17:42:22	Twilight_stray	45.500	169	46Gam Hya	2.9910	4700.0	91	42537	No
199	GOM_NL__2PRFIN20100419_174555_000000442088_00399_42537_5631.N1	19-APR-2010 17:45:55	Bright	43.500	15	67Alp Vir	0.97600	28000.	87	42537	No
200	GOM_NL__2PRFIN20100419_175235_000000382088_00399_42537_5632.N1	19-APR-2010 17:52:35	Bright	38.000	138	47Eps Vir	2.8280	4700.0	76	42537	No
201	GOM_NL__2PRFIN20100419_175539_000000462088_00399_42537_5633.N1	19-APR-2010 17:55:39	Bright	46.000	111	8Eta Boo	2.6800	6000.0	92	42537	No
202	GOM_NL__2PRFIN20100419_180035_000000382088_00399_42537_5634.N1	19-APR-2010 18:00:35	Bright	37.500	152	12Alp2CVn	2.8900	11000.	75	42537	No
203	GOM_NL__2PRFIN20100419_180442_000000592088_00399_42537_5635.N1	19-APR-2010 18:04:42	Bright	59.000	39	85Eta UMa	1.8540	24000.	118	42537	No
204	GOM_NL__2PRFIN20100419_181156_000000402088_00399_42537_5636.N1	19-APR-2010 18:11:56	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	42537	No
205	GOM_NL__2PRFIN20100419_182208_000000402088_00399_42537_5637.N1	19-APR-2010 18:22:08	Bright	39.500	89	5Alp Cep	2.4510	8000.0	79	42537	No
206	GOM_NL__2PRFIN20100419_183222_000000392088_00399_42537_5638.N1	19-APR-2010 18:32:22	Bright	39.000	164	44Eta Peg	2.9480	5400.0	78	42537	No
207	GOM_NL__2PRFIN20100419_183945_000000592088_00399_42537_5639.N1	19-APR-2010 18:39:45	Dark	59.000	61	8Eps Peg	2.1000	3900.0	118	42537	No
208	GOM_NL__2PRFIN20100419_184213_000000482088_00399_42537_5640.N1	19-APR-2010 18:42:13	Dark	47.500	162	34Alp Aqr	2.9440	5350.0	95	42537	No
209	GOM_NL__2PRFIN20100419_184503_000000502088_00399_42537_5641.N1	19-APR-2010 18:45:03	Dark	50.000	154	22Bet Aqr	2.8990	5700.0	100	42537	No
210	GOM_NL__2PRFIN20100419_184722_000000472088_00399_42537_5642.N1	19-APR-2010 18:47:22	Dark	47.000	142	49Del Cap	2.8500	8900.0	94	42537	No
211	GOM_NL__2PRFIN20100419_190804_000000542088_00400_42538_5634.N1	19-APR-2010 19:08:04	Dark	53.500	40	The Sco	1.8590	7100.0	107	42538	No
212	GOM_NL__2PRFIN20100419_191432_000000412088_00400_42538_5635.N1	19-APR-2010 19:14:32	Straylight	41.000	78	Alp Lup	2.3040	28000.	82	42538	No
213	GOM_NL__2PRFIN20100419_191607_000000432088_00400_42538_5636.N1	19-APR-2010 19:16:07	Straylight	43.000	81	Eta Cen	2.3560	28000.	86	42538	No
214	GOM_NL__2PRFIN20100419_191824_000000472088_00400_42538_5637.N1	19-APR-2010 19:18:24	Straylight	47.000	54	5The Cen	2.0550	4500.0	94	42538	No
215	GOM_NL__2PRFIN20100419_192259_000000442088_00400_42538_5638.N1	19-APR-2010 19:22:59	Twilight_stray	44.000	169	46Gam Hya	2.9910	4700.0	88	42538	No
216	GOM_NL__2PRFIN20100419_192630_000000452088_00400_42538_5639.N1	19-APR-2010 19:26:30	Bright	44.500	15	67Alp Vir	0.97600	28000.	89	42538	No
217	GOM_NL__2PRFIN20100419_193311_000000382088_00400_42538_5640.N1	19-APR-2010 19:33:11	Bright	38.000	138	47Eps Vir	2.8280	4700.0	76	42538	No
218	GOM_NL__2PRFIN20100419_193614_000000472088_00400_42538_5641.N1	19-APR-2010 19:36:14	Bright	46.500	111	8Eta Boo	2.6800	6000.0	93	42538	No
219	GOM_NL__2PRFIN20100419_194111_000000392088_00400_42538_5642.N1	19-APR-2010 19:41:11	Bright	38.500	152	12Alp2CVn	2.8900	11000.	77	42538	No

220	GOM_NL__2PRFIN20100419_194517_000000412088_00400_42538_5643.N1	19-APR-2010 19:45:17	Bright	41.000	39	85Eta UMa	1.8540	24000.	82	42538	No
221	GOM_NL__2PRFIN20100419_195232_000000412088_00400_42538_5644.N1	19-APR-2010 19:52:32	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	42538	No
222	GOM_NL__2PRFIN20100419_200243_000000372088_00400_42538_5645.N1	19-APR-2010 20:02:43	Bright	37.000	89	5Alp Cep	2.4510	8000.0	74	42538	No
223	GOM_NL__2PRFIN20100419_201258_000000392088_00400_42538_5646.N1	19-APR-2010 20:12:58	Bright	39.000	164	44Eta Peg	2.9480	5400.0	78	42538	No
224	GOM_NL__2PRFIN20100419_202021_000000552088_00400_42538_5647.N1	19-APR-2010 20:20:21	Dark	54.500	61	8Eps Peg	2.1000	3900.0	109	42538	No
225	GOM_NL__2PRFIN20100419_202249_000000472088_00400_42538_5648.N1	19-APR-2010 20:22:49	Dark	46.500	162	34Alp Aqr	2.9440	5350.0	93	42538	No
226	GOM_NL__2PRFIN20100419_202540_000000522088_00400_42538_5649.N1	19-APR-2010 20:25:40	Dark	51.500	154	22Bet Aqr	2.8990	5700.0	103	42538	No
227	GOM_NL__2PRFIN20100419_202759_000000442088_00400_42538_5650.N1	19-APR-2010 20:27:59	Dark	44.000	142	49Del Cap	2.8500	8900.0	88	42538	No
228	GOM_NL__2PRFIN20100419_204840_000000622088_00401_42539_5642.N1	19-APR-2010 20:48:40	Straylight	62.000	40	The Sco	1.8590	7100.0	124	42539	No
229	GOM_NL__2PRFIN20100419_205508_000000432088_00401_42539_5643.N1	19-APR-2010 20:55:08	Straylight	43.000	78	Alp Lup	2.3040	28000.	86	42539	No
230	GOM_NL__2PRFIN20100419_205643_000000442088_00401_42539_5644.N1	19-APR-2010 20:56:43	Straylight	44.000	81	Eta Cen	2.3560	28000.	88	42539	No
231	GOM_NL__2PRFIN20100419_205900_000000482088_00401_42539_5645.N1	19-APR-2010 20:59:00	Straylight	48.000	54	5The Cen	2.0550	4500.0	96	42539	No
232	GOM_NL__2PRFIN20100419_210335_000000452088_00401_42539_5646.N1	19-APR-2010 21:03:35	Tw_i_and_stray	44.500	169	46Gam Hya	2.9910	4700.0	89	42539	No
233	GOM_NL__2PRFIN20100419_210706_000000442088_00401_42539_5647.N1	19-APR-2010 21:07:06	Bright	44.000	15	67Alp Vir	0.97600	28000.	88	42539	No
234	GOM_NL__2PRFIN20100419_211347_000000392088_00401_42539_5648.N1	19-APR-2010 21:13:47	Bright	38.500	138	47Eps Vir	2.8280	4700.0	77	42539	No
235	GOM_NL__2PRFIN20100419_211650_000000452088_00401_42539_5649.N1	19-APR-2010 21:16:50	Bright	45.000	111	8Eta Boo	2.6800	6000.0	90	42539	No
236	GOM_NL__2PRFIN20100419_212146_000000382088_00401_42539_5650.N1	19-APR-2010 21:21:46	Bright	38.000	152	12Alp2CVn	2.8900	11000.	76	42539	No
237	GOM_NL__2PRFIN20100419_212553_000000592088_00401_42539_5651.N1	19-APR-2010 21:25:53	Bright	59.000	39	85Eta UMa	1.8540	24000.	118	42539	No
238	GOM_NL__2PRFIN20100419_213308_000000402088_00401_42539_5652.N1	19-APR-2010 21:33:08	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	42539	No
239	GOM_NL__2PRFIN20100419_214319_000000422088_00401_42539_5653.N1	19-APR-2010 21:43:19	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	42539	No
240	GOM_NL__2PRFIN20100419_215334_000000552088_00401_42539_5654.N1	19-APR-2010 21:53:34	Bright	55.000	164	44Eta Peg	2.9480	5400.0	110	42539	No
241	GOM_NL__2PRFIN20100419_220058_000000532088_00401_42539_5655.N1	19-APR-2010 22:00:58	Dark	53.000	61	8Eps Peg	2.1000	3900.0	106	42539	No
242	GOM_NL__2PRFIN20100419_220326_000000462088_00401_42539_5656.N1	19-APR-2010 22:03:26	Dark	46.000	162	34Alp Aqr	2.9440	5350.0	92	42539	No
243	GOM_NL__2PRFIN20100419_220616_000000502088_00401_42539_5657.N1	19-APR-2010 22:06:16	Dark	50.000	154	22Bet Aqr	2.8990	5700.0	100	42539	No
244	GOM_NL__2PRFIN20100419_220835_000000472088_00401_42539_5658.N1	19-APR-2010 22:08:35	Dark	47.000	142	49Del Cap	2.8500	8900.0	94	42539	No
245	GOM_NL__2PRFIN20100419_222049_000000402088_00402_42540_5650.N1	19-APR-2010 22:20:49	Dark	40.000	45	Alp Pav	1.9400	26000.	80	42540	No
246	GOM_NL__2PRFIN20100419_222918_000000542088_00402_42540_5651.N1	19-APR-2010 22:29:18	Dark	53.500	40	The Sco	1.8590	7100.0	107	42540	No
247	GOM_NL__2PRFIN20100419_223545_000000422088_00402_42540_5652.N1	19-APR-2010 22:35:45	Straylight	41.500	78	Alp Lup	2.3040	28000.	83	42540	No
248	GOM_NL__2PRFIN20100419_223720_000000462088_00402_42540_5653.N1	19-APR-2010 22:37:20	Straylight	45.500	81	Eta Cen	2.3560	28000.	91	42540	No
249	GOM_NL__2PRFIN20100419_223937_000000472088_00402_42540_5654.N1	19-APR-2010 22:39:37	Straylight	47.000	54	5The Cen	2.0550	4500.0	94	42540	No
250	GOM_NL__2PRFIN20100419_224411_000000422088_00402_42540_5655.N1	19-APR-2010 22:44:11	Tw_i_and_stray	41.500	169	46Gam Hya	2.9910	4700.0	83	42540	No
251	GOM_NL__2PRFIN20100419_224742_000000432088_00402_42540_5656.N1	19-APR-2010 22:47:42	Bright	43.000	15	67Alp Vir	0.97600	28000.	86	42540	No
252	GOM_NL__2PRFIN20100419_225422_000000382088_00402_42540_5657.N1	19-APR-2010 22:54:22	Bright	38.000	138	47Eps Vir	2.8280	4700.0	76	42540	No
253	GOM_NL__2PRFIN20100419_225725_000000442088_00402_42540_5658.N1	19-APR-2010 22:57:25	Bright	44.000	111	8Eta Boo	2.6800	6000.0	88	42540	No
254	GOM_NL__2PRFIN20100419_230222_000000392088_00402_42540_5659.N1	19-APR-2010 23:02:22	Bright	39.000	152	12Alp2CVn	2.8900	11000.	78	42540	No
255	GOM_NL__2PRFIN20100419_230628_000000592088_00402_42540_5660.N1	19-APR-2010 23:06:28	Bright	59.000	39	85Eta UMa	1.8540	24000.	118	42540	No
256	GOM_NL__2PRFIN20100419_231343_000000392088_00402_42540_5661.N1	19-APR-2010 23:13:43	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	42540	No
257	GOM_NL__2PRFIN20100419_232354_000000582088_00402_42540_5662.N1	19-APR-2010 23:23:54	Bright	58.000	89	5Alp Cep	2.4510	8000.0	116	42540	No
258	GOM_NL__2PRFIN20100419_233410_000000552088_00402_42540_5663.N1	19-APR-2010 23:34:10	Bright	55.000	164	44Eta Peg	2.9480	5400.0	110	42540	No
259	GOM_NL__2PRFIN20100419_234134_000000562088_00402_42540_5664.N1	19-APR-2010 23:41:34	Dark	55.500	61	8Eps Peg	2.1000	3900.0	111	42540	No
260	GOM_NL__2PRFIN20100419_234402_000000492088_00402_42540_5665.N1	19-APR-2010 23:44:02	Dark	48.500	162	34Alp Aqr	2.9440	5350.0	97	42540	No
261	GOM_NL__2PRFIN20100419_234653_000000532088_00402_42540_5666.N1	19-APR-2010 23:46:53	Dark	52.500	154	22Bet Aqr	2.8990	5700.0	105	42540	No
262	GOM_NL__2PRFIN20100419_234912_000000452088_00402_42540_5667.N1	19-APR-2010 23:49:12	Dark	44.500	142	49Del Cap	2.8500	8900.0	89	42540	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.

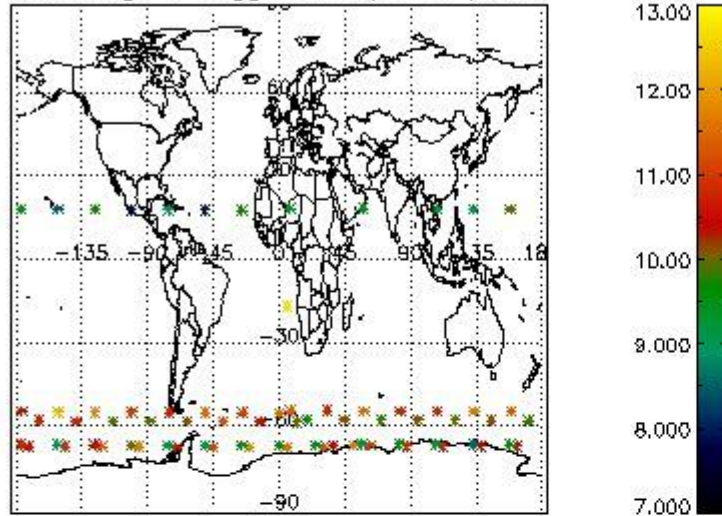
#### 3.1 Plot quality information per product (time dependant)



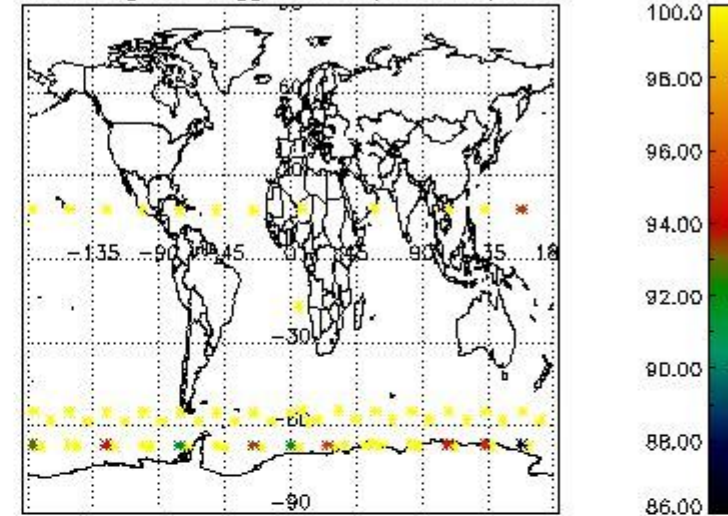
3.2 Plot quality information per product (world map)



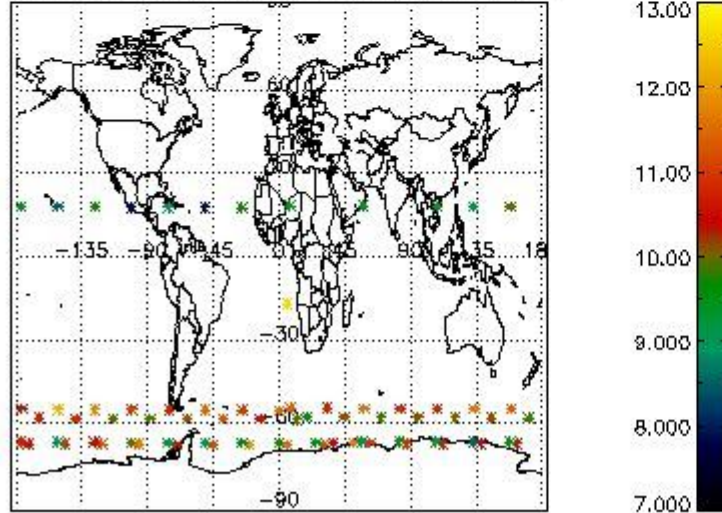
Percentage of flagged data per O3 profile



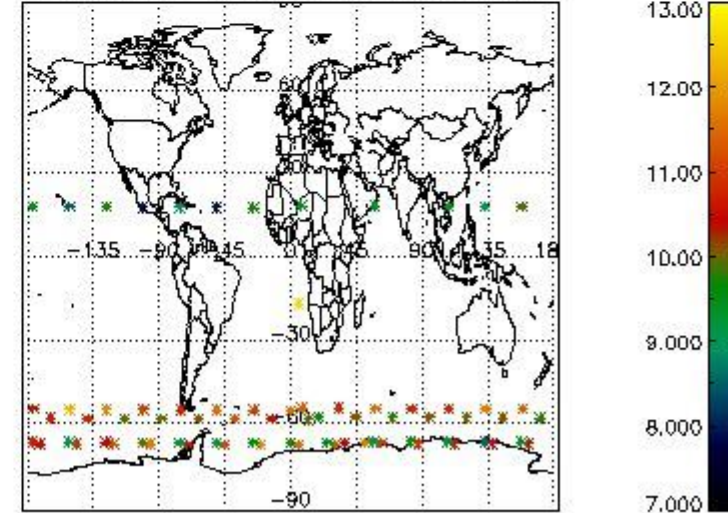
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile



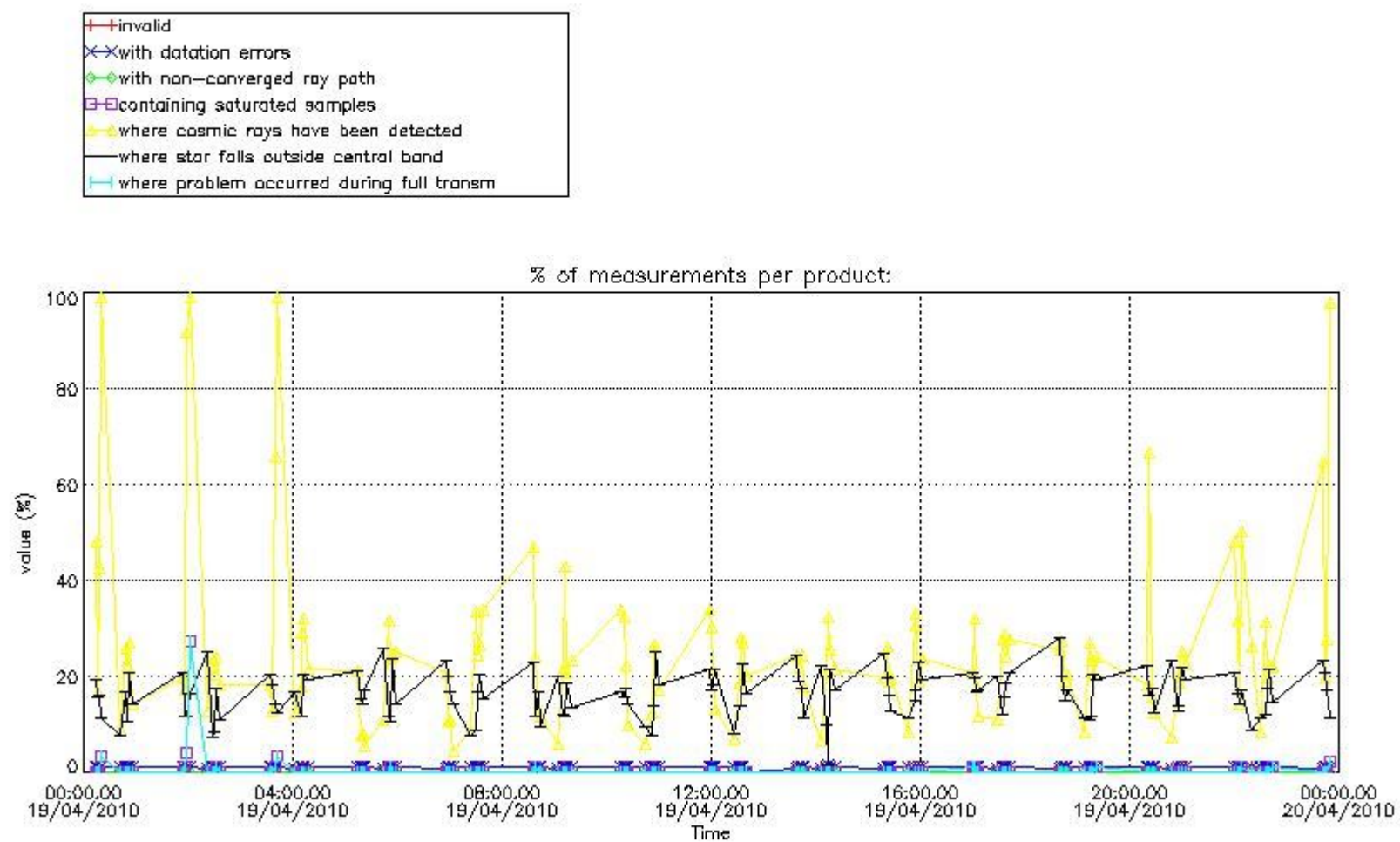
#### 4. Level 1 quality information per product

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.

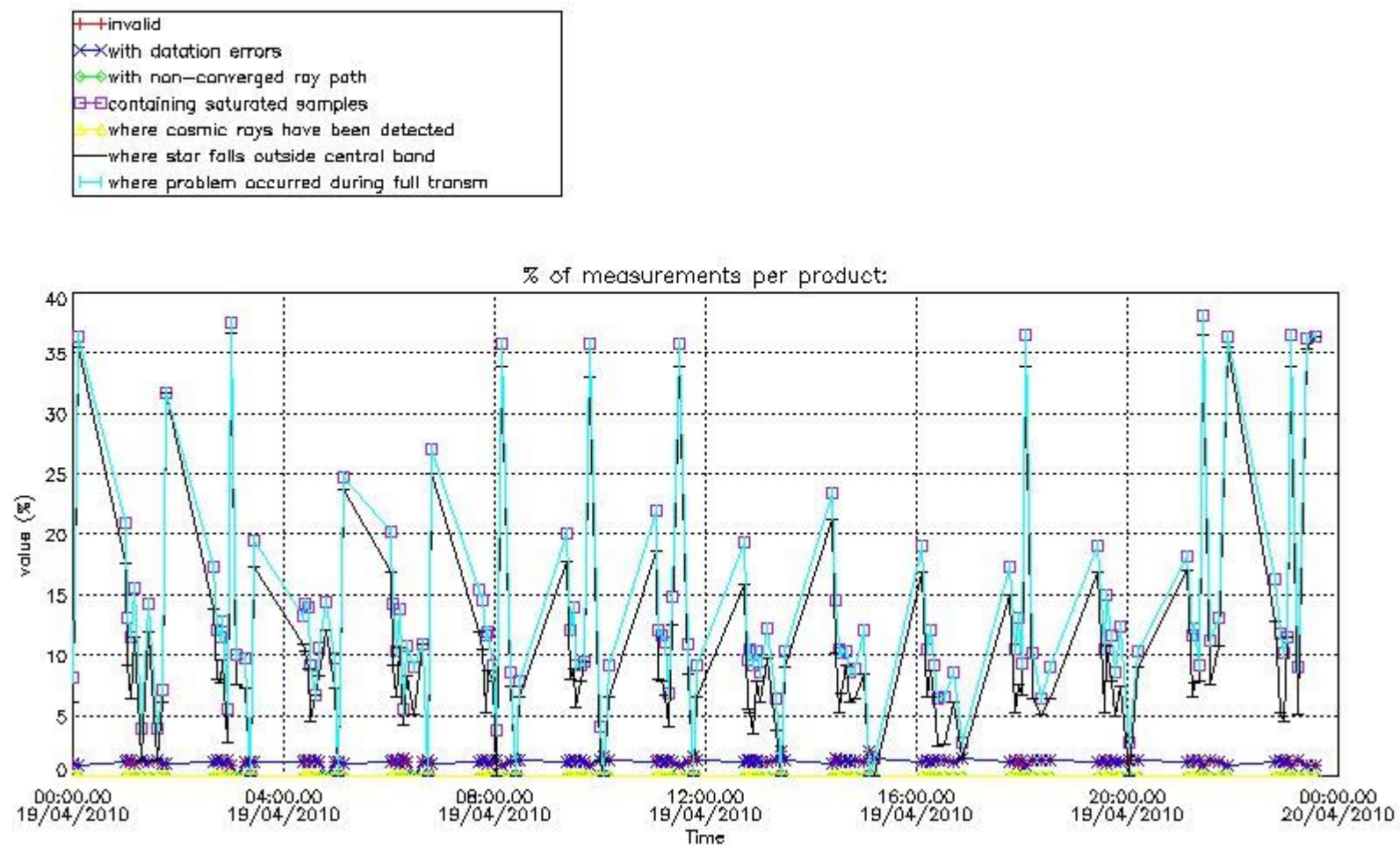
##### 4.1 Plot quality information per product (time dependant) coming from level 1b processing

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



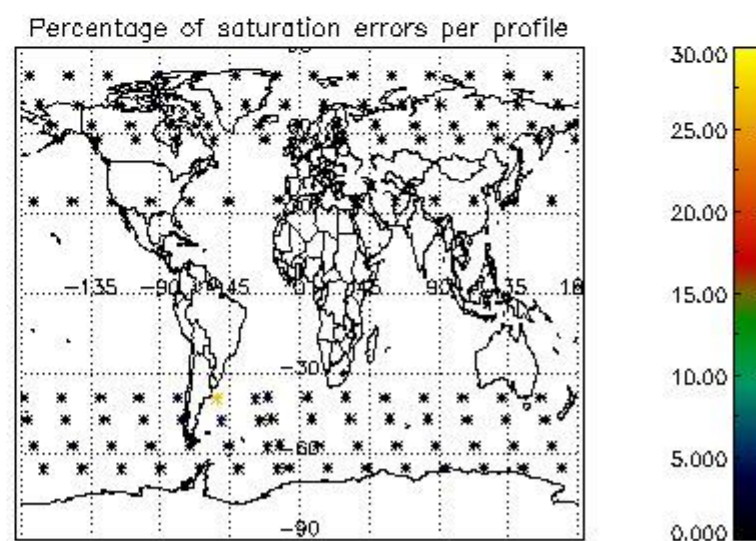
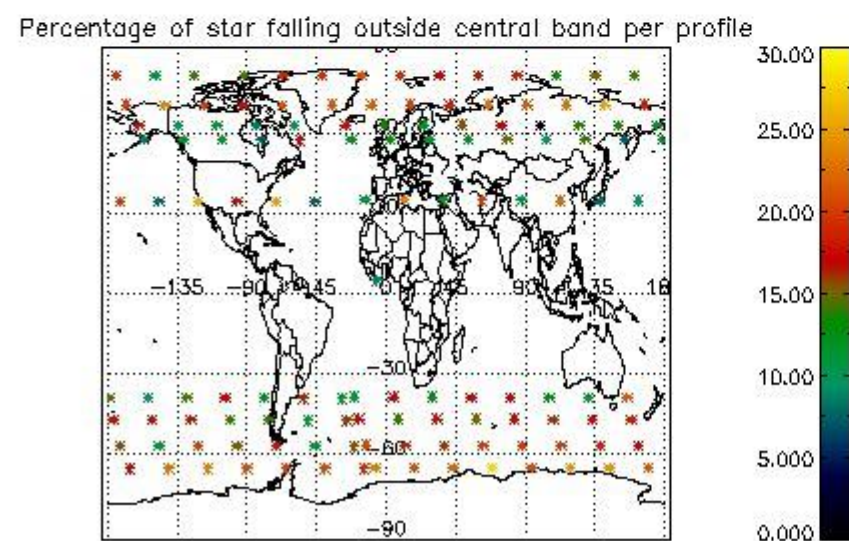
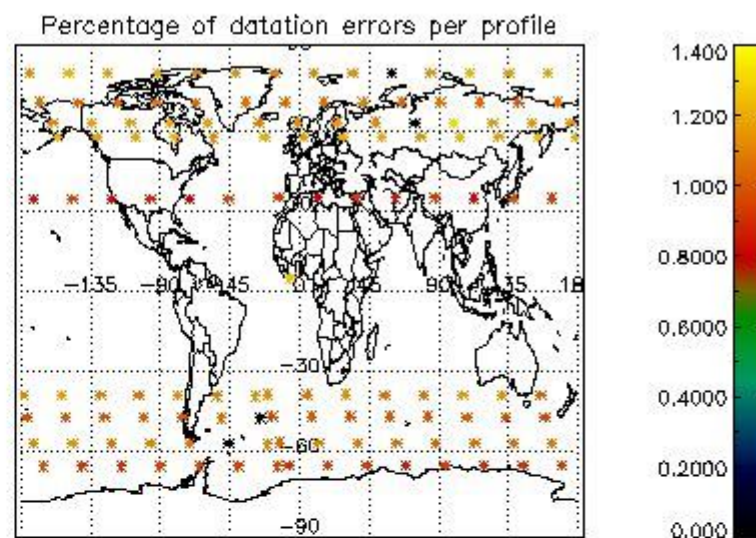
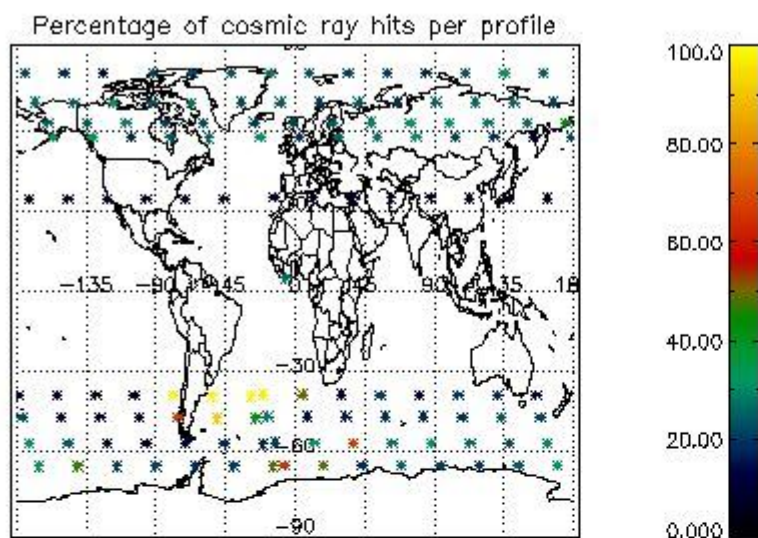


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



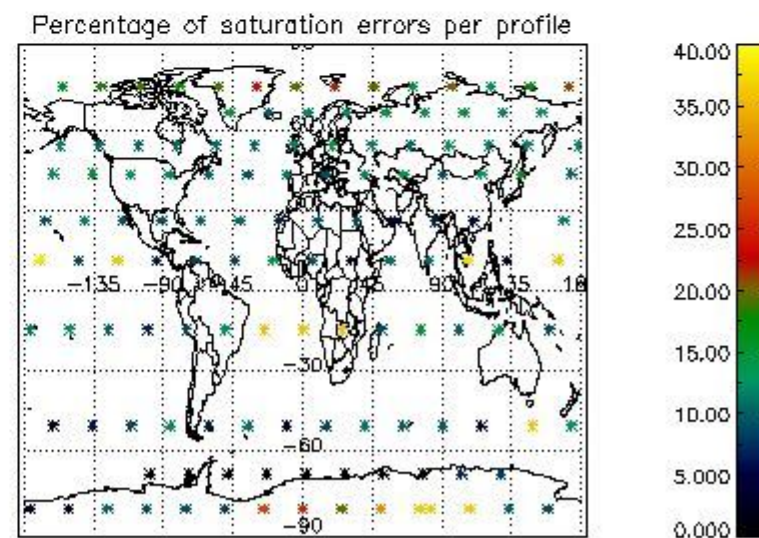
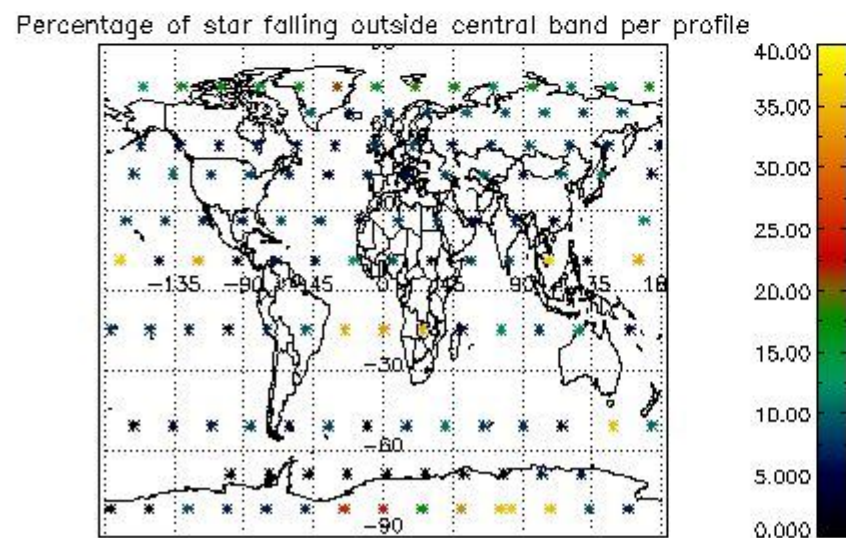
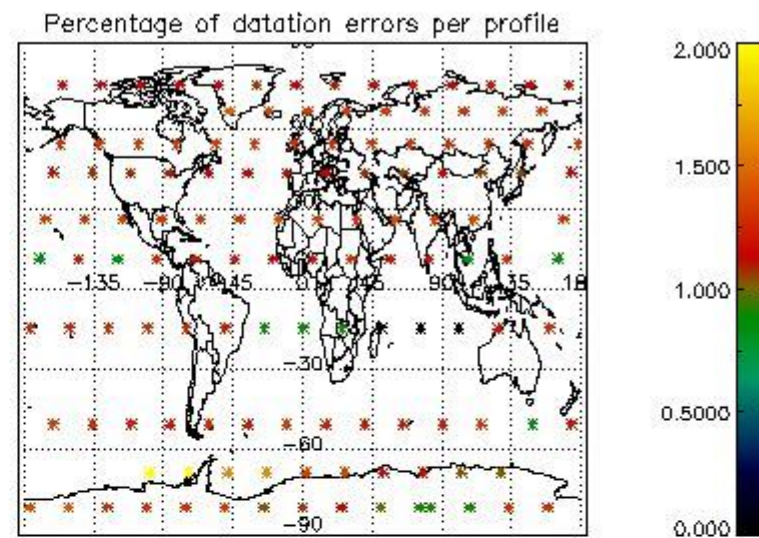
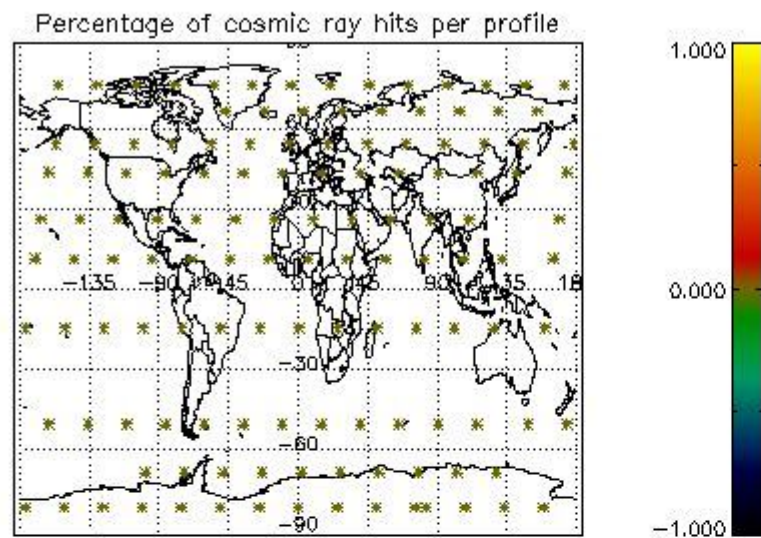
*4.2 Plot quality information per product coming from level 1b processing (world map)*

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



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

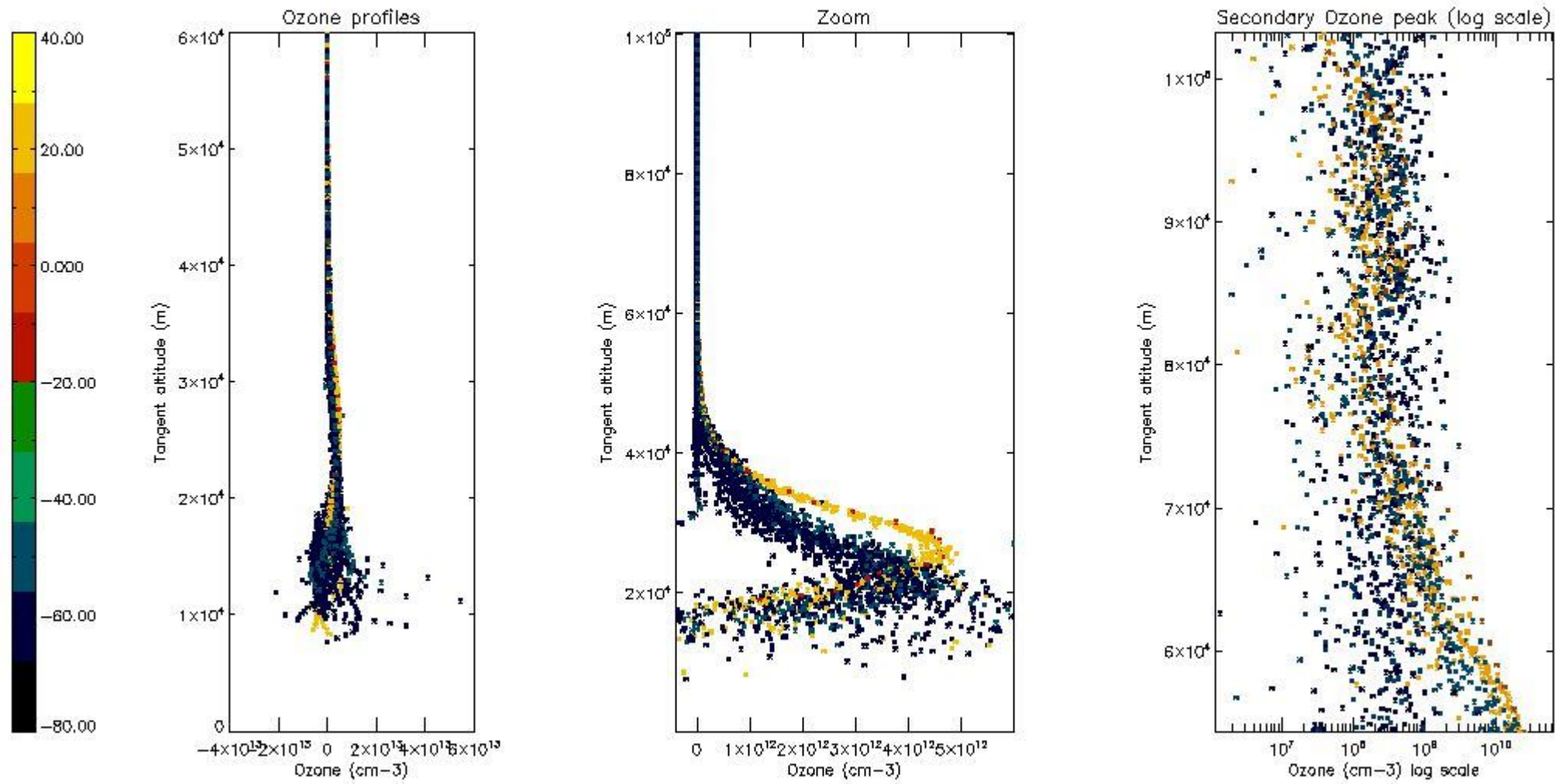
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	32
STD < 20	9

STD < 10	4
STD < 5	1

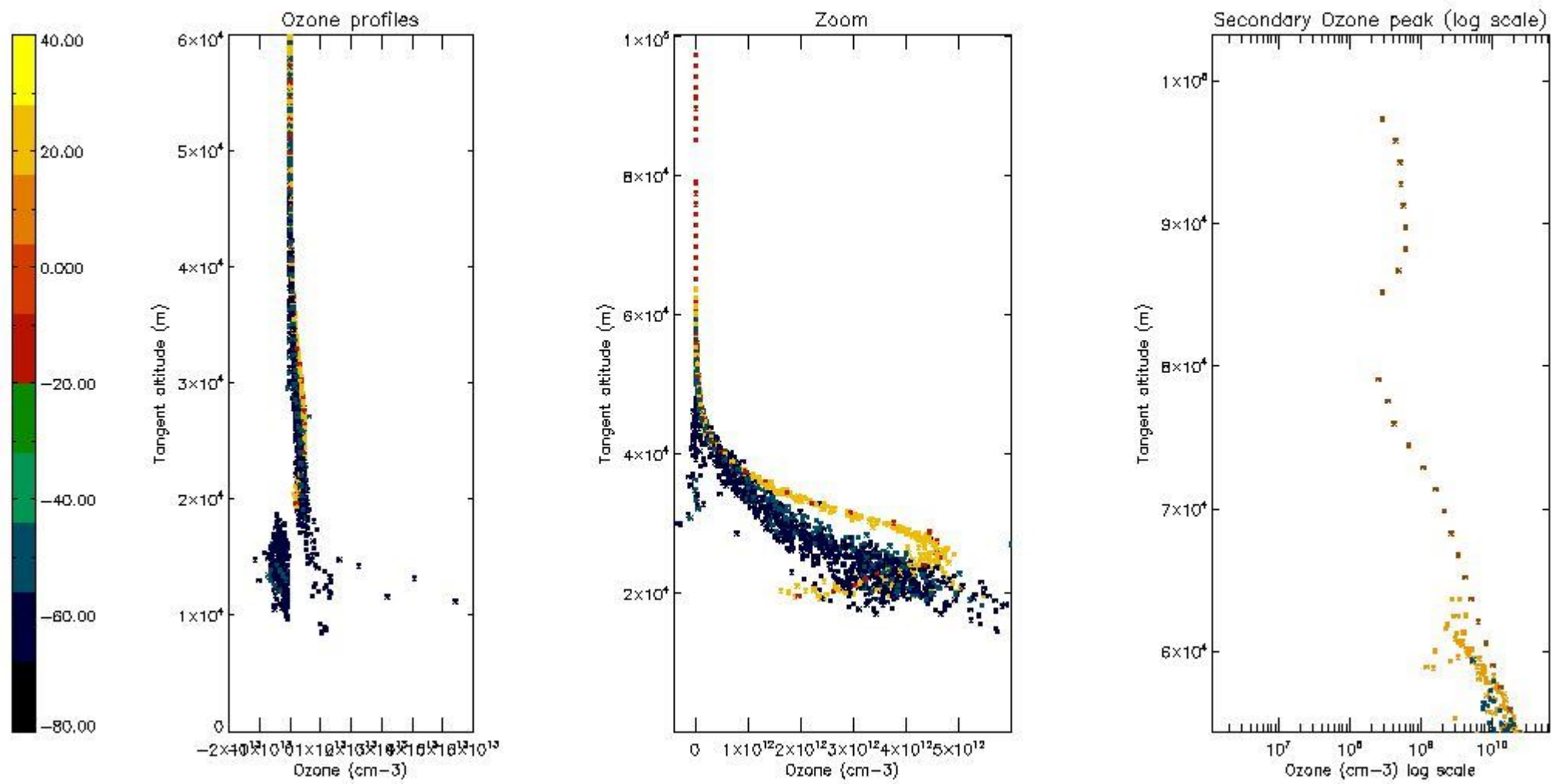
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

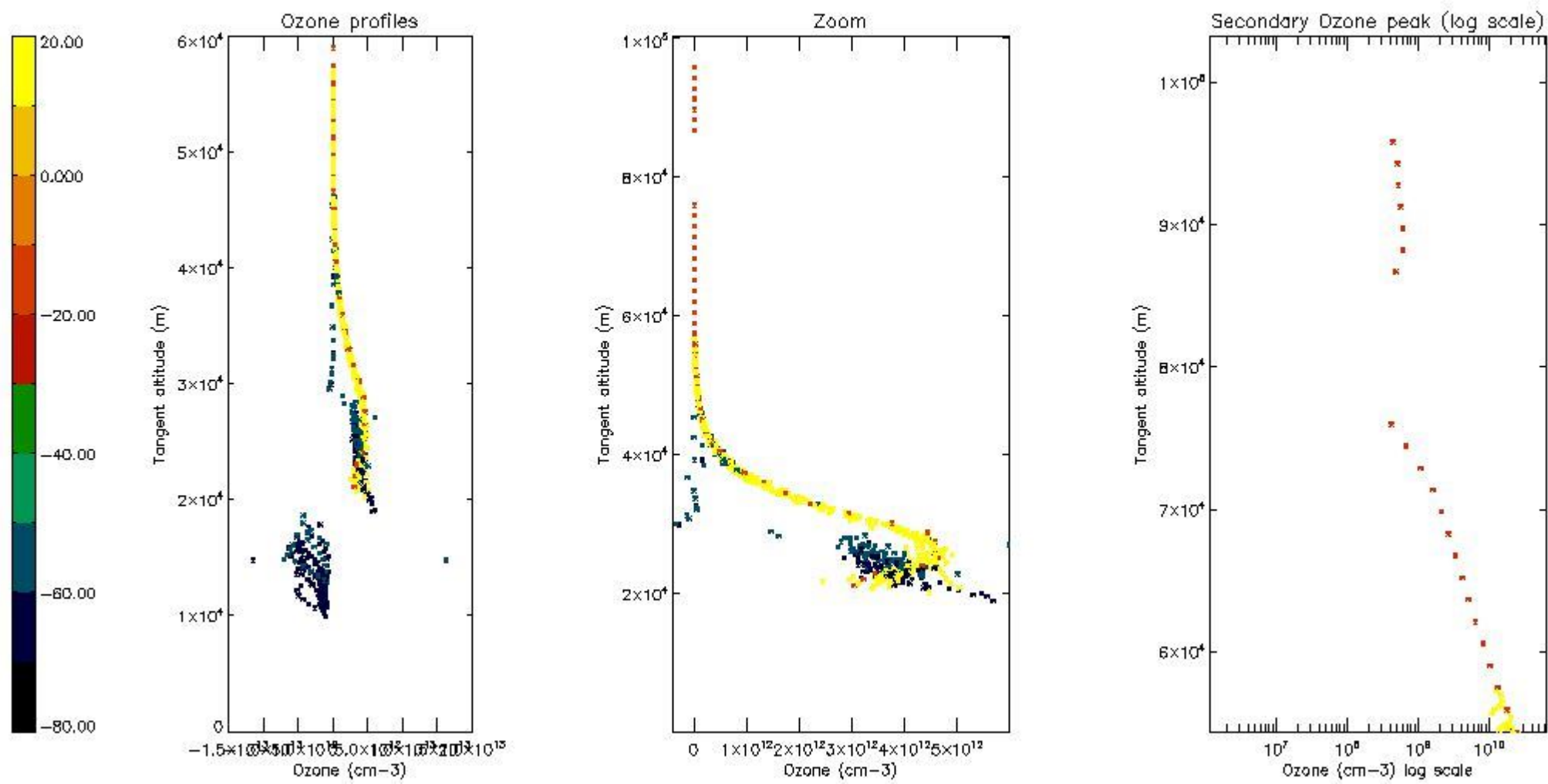
The colorbar represents the latitude.



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

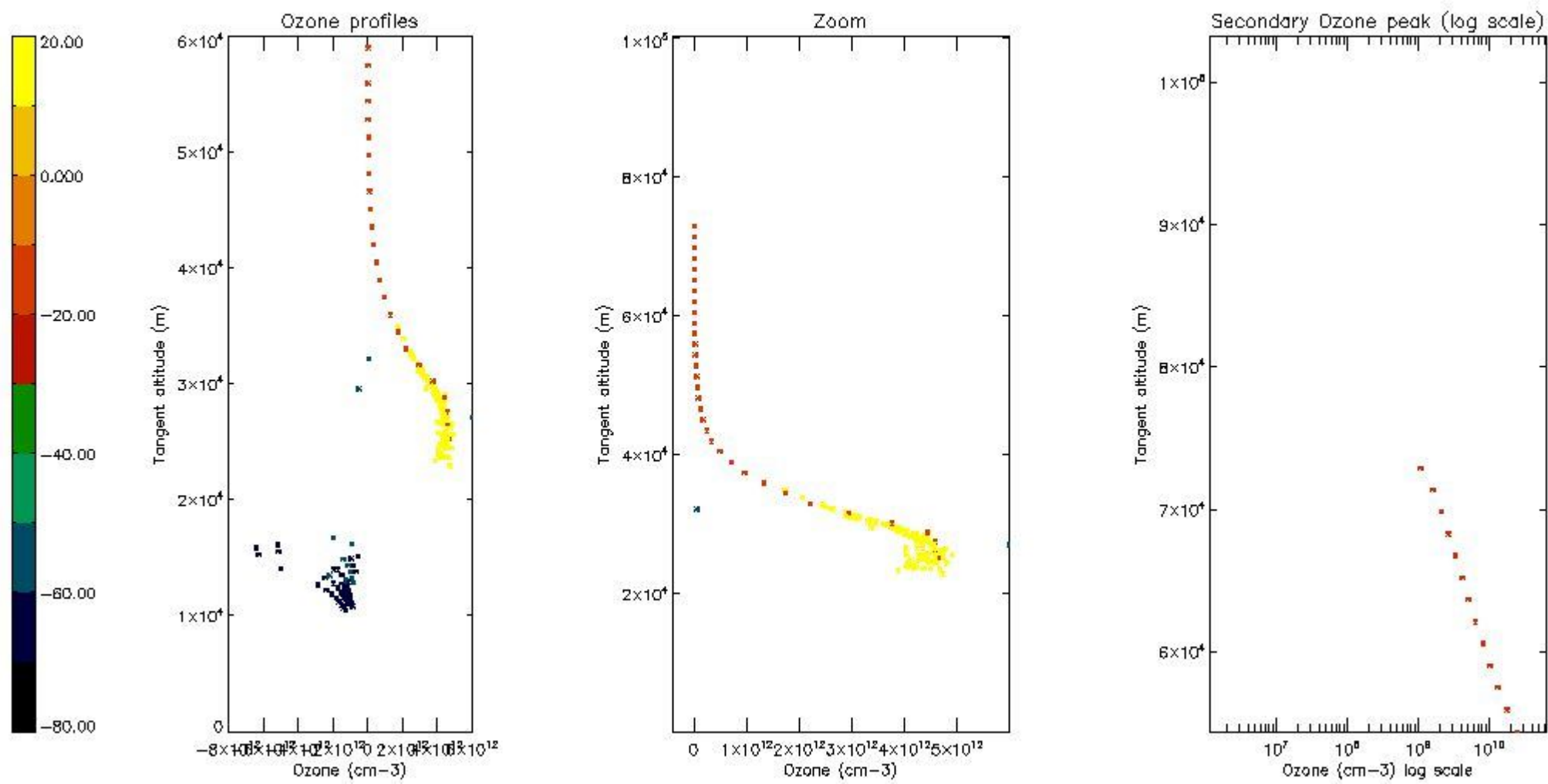
The colorbar represents the latitude.





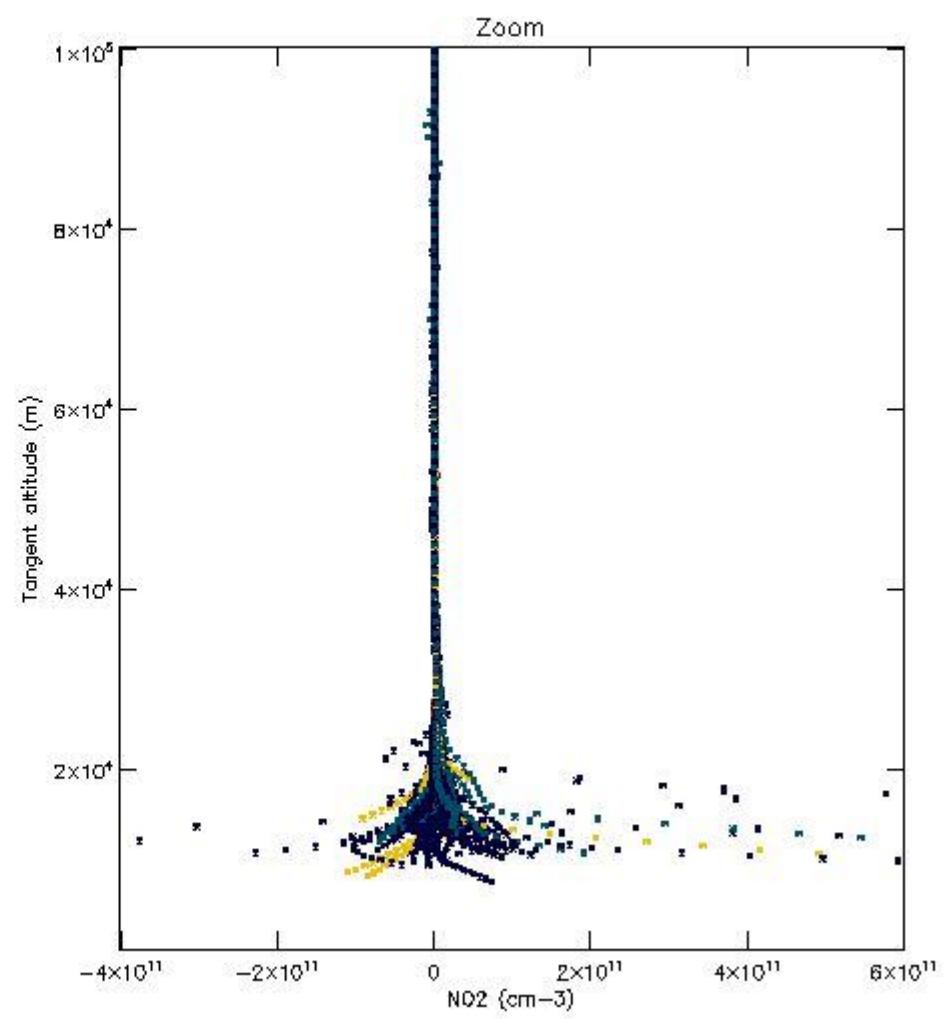
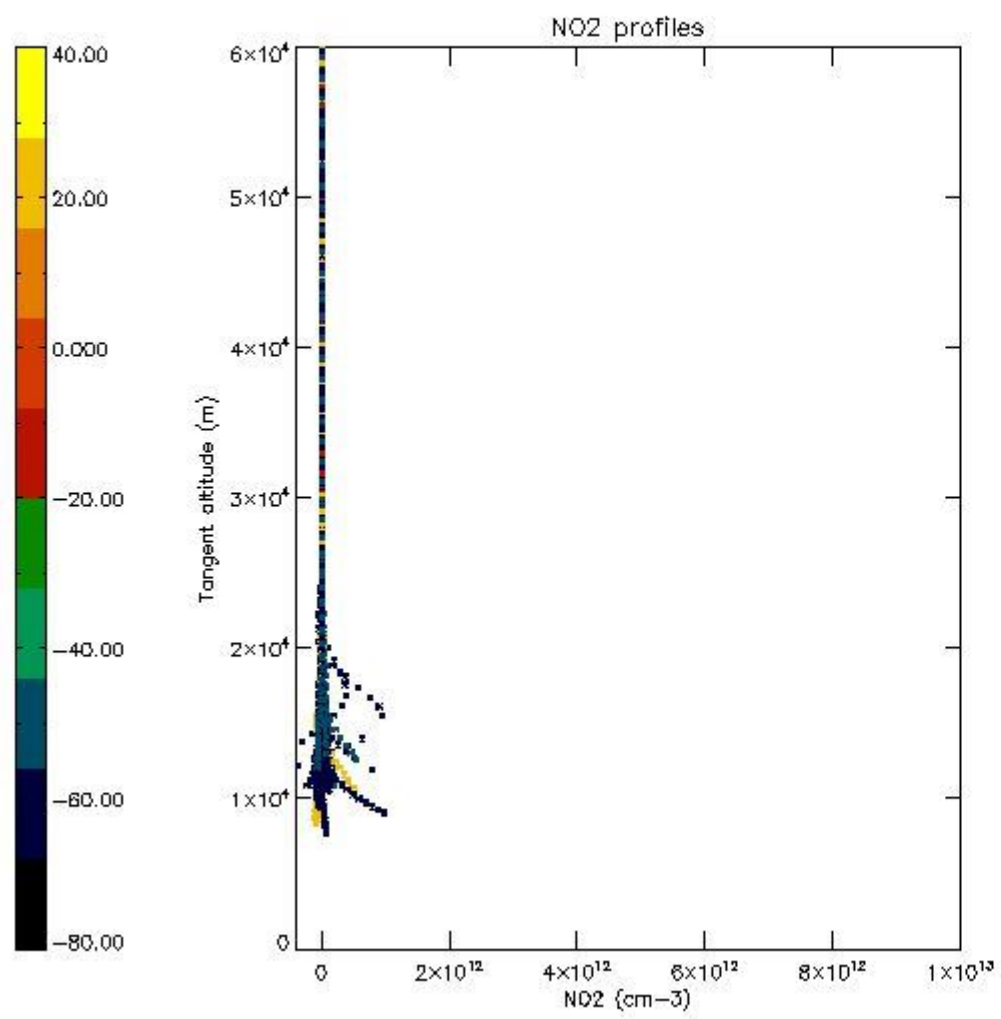
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



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

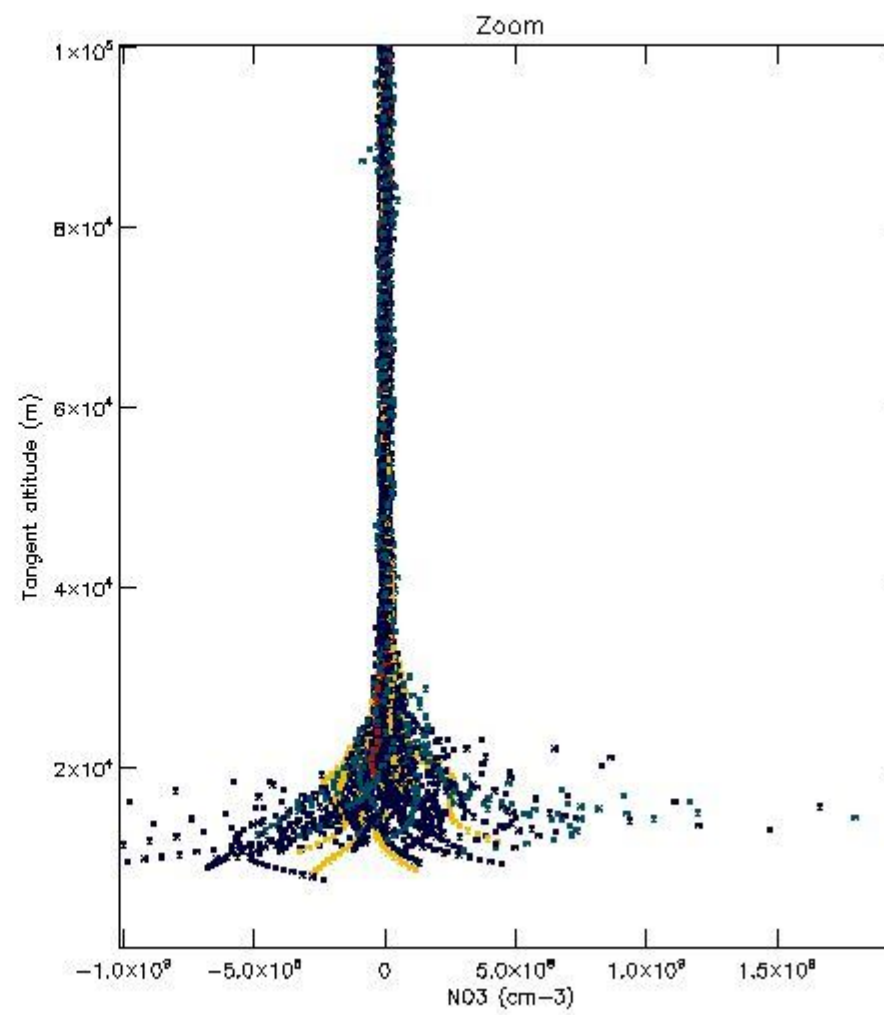
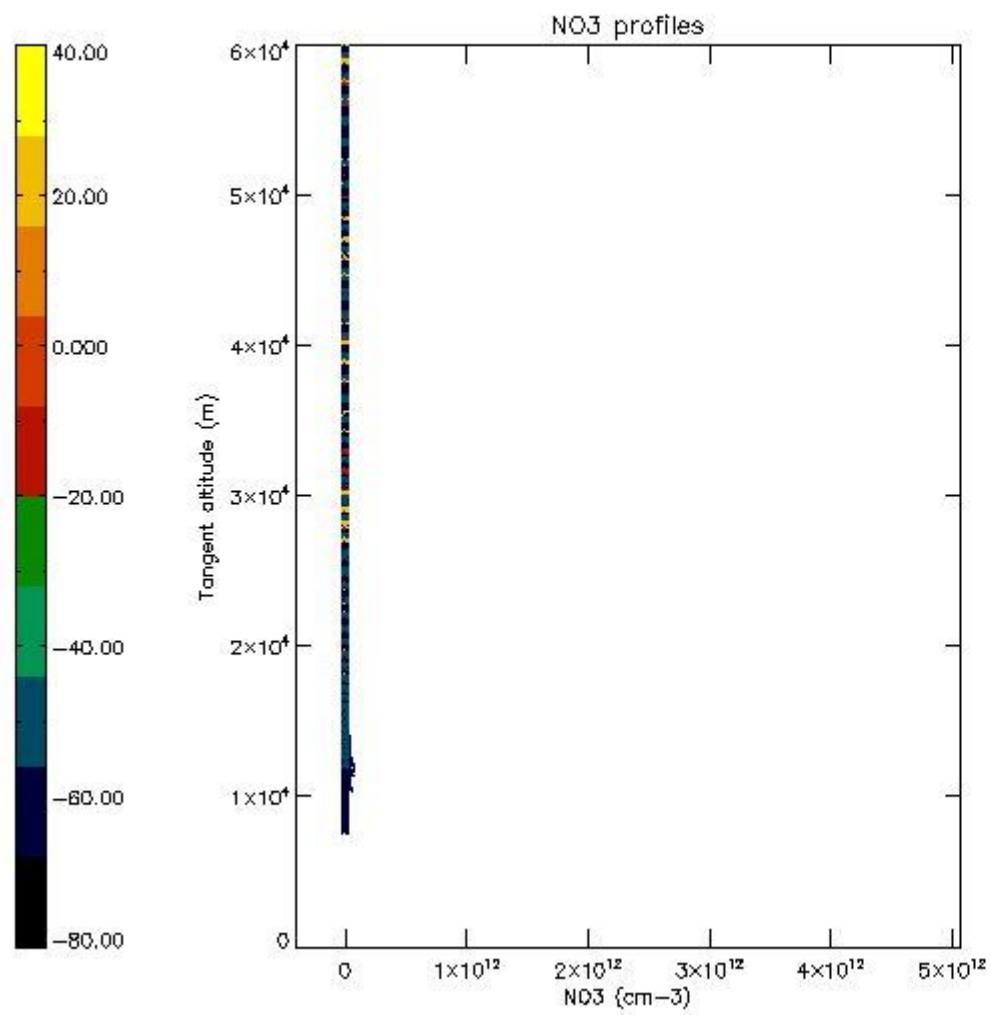
The colorbar represents the latitude.



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

The colorbar represents the latitude.





## 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-APR-2010 00:00:51
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	19-APR-2010 00:00:51
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	19-APR-2010 00:00:51

# GOMOS Level 2 Daily Report

## SUMMARY

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

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

### [3. Level 2 Quality information per product](#)

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

#### [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](#)

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

### [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	29APR2013 09:51:05
Data source version	GOMOS/6.01
Start time of products	19-04-2010 (19APR2010 00:00:00)
Stop time of products	20-04-2010 (20APR2010 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	262
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__2PRFIN20100419_000051_000000492088_00388_42526_5516.N1	19-APR-2010 00:00:51	Bright	49.000	19	50Alp Cyg	1.2460	10500.	98	42526	No
2	GOM_NL__2PRFIN20100419_000545_000000552088_00388_42526_5517.N1	19-APR-2010 00:05:45	Bright	55.000	164	44Eta Peg	2.9480	5400.0	110	42526	No
3	GOM_NL__2PRFIN20100419_001304_000000522088_00388_42526_5518.N1	19-APR-2010 00:13:04	Dark	52.000	61	8Eps Peg	2.1000	3900.0	104	42526	No
4	GOM_NL__2PRFIN20100419_001532_000000452088_00388_42526_5519.N1	19-APR-2010 00:15:32	Dark	45.000	162	34Alp Aqr	2.9440	5350.0	90	42526	No
5	GOM_NL__2PRFIN20100419_001819_000000512088_00388_42526_5520.N1	19-APR-2010 00:18:19	Dark	50.500	154	22Bet Aqr	2.8990	5700.0	101	42526	No
6	GOM_NL__2PRFIN20100419_002039_000000442088_00388_42526_5521.N1	19-APR-2010 00:20:39	Dark	44.000	142	49Del Cap	2.8500	8900.0	88	42526	No
7	GOM_NL__2PRFIN20100419_004117_000000522088_00389_42527_5531.N1	19-APR-2010 00:41:17	Dark	52.000	40	The Sco	1.8590	7100.0	104	42527	No
8	GOM_NL__2PRFIN20100419_004752_000000452088_00389_42527_5532.N1	19-APR-2010 00:47:52	Straylight	44.500	78	Alp Lup	2.3040	28000.	89	42527	No
9	GOM_NL__2PRFIN20100419_004927_000000432088_00389_42527_5533.N1	19-APR-2010 00:49:27	Straylight	43.000	81	Eta Cen	2.3560	28000.	86	42527	No
10	GOM_NL__2PRFIN20100419_005145_000000482088_00389_42527_5534.N1	19-APR-2010 00:51:45	Straylight	48.000	54	5The Cen	2.0550	4500.0	96	42527	No
11	GOM_NL__2PRFIN20100419_005621_000000432088_00389_42527_5535.N1	19-APR-2010 00:56:21	Twilight_stray	42.500	169	46Gam Hya	2.9910	4700.0	85	42527	No
12	GOM_NL__2PRFIN20100419_005954_000000462088_00389_42527_5536.N1	19-APR-2010 00:59:54	Bright	45.500	15	67Alp Vir	0.97600	28000.	91	42527	No
13	GOM_NL__2PRFIN20100419_010257_000000382088_00389_42527_5537.N1	19-APR-2010 01:02:57	Bright	38.000	121	29Gam Vir	2.7400	7200.0	76	42527	No
14	GOM_NL__2PRFIN20100419_010636_000000392088_00389_42527_5538.N1	19-APR-2010 01:06:36	Bright	39.000	138	47Eps Vir	2.8280	4700.0	78	42527	No
15	GOM_NL__2PRFIN20100419_010943_000000482088_00389_42527_5539.N1	19-APR-2010 01:09:43	Bright	48.000	111	8Eta Boo	2.6800	6000.0	96	42527	No
16	GOM_NL__2PRFIN20100419_011847_000000392088_00389_42527_5540.N1	19-APR-2010 01:18:47	Bright	38.500	39	85Eta UMa	1.8540	24000.	77	42527	No
17	GOM_NL__2PRFIN20100419_012559_000000422088_00389_42527_5541.N1	19-APR-2010 01:25:59	Bright	42.000	60	7Bet UMi	2.0810	3950.0	84	42527	No
18	GOM_NL__2PRFIN20100419_013610_000000382088_00389_42527_5542.N1	19-APR-2010 01:36:10	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	42527	No
19	GOM_NL__2PRFIN20100419_014127_000000492088_00389_42527_5543.N1	19-APR-2010 01:41:27	Bright	49.000	19	50Alp Cyg	1.2460	10500.	98	42527	No
20	GOM_NL__2PRFIN20100419_014621_000000512088_00389_42527_5544.N1	19-APR-2010 01:46:21	Bright	50.500	164	44Eta Peg	2.9480	5400.0	101	42527	No
21	GOM_NL__2PRFIN20100419_015340_000000532088_00389_42527_5545.N1	19-APR-2010 01:53:40	Dark	53.000	61	8Eps Peg	2.1000	3900.0	106	42527	No
22	GOM_NL__2PRFIN20100419_015608_000000442088_00389_42527_5546.N1	19-APR-2010 01:56:08	Dark	43.500	162	34Alp Aqr	2.9440	5350.0	87	42527	No
23	GOM_NL__2PRFIN20100419_015856_000000482088_00389_42527_5547.N1	19-APR-2010 01:58:56	Dark	48.000	154	22Bet Aqr	2.8990	5700.0	96	42527	No
24	GOM_NL__2PRFIN20100419_020116_000000462088_00389_42527_5548.N1	19-APR-2010 02:01:16	Dark	46.000	142	49Del Cap	2.8500	8900.0	92	42527	No
25	GOM_NL__2PRFIN20100419_022154_000000642088_00390_42528_5539.N1	19-APR-2010 02:21:54	Dark	63.500	40	The Sco	1.8590	7100.0	127	42528	No
26	GOM_NL__2PRFIN20100419_022828_000000412088_00390_42528_5540.N1	19-APR-2010 02:28:28	Straylight	40.500	78	Alp Lup	2.3040	28000.	81	42528	No
27	GOM_NL__2PRFIN20100419_023003_000000422088_00390_42528_5541.N1	19-APR-2010 02:30:03	Straylight	41.500	81	Eta Cen	2.3560	28000.	83	42528	No
28	GOM_NL__2PRFIN20100419_023221_000000462088_00390_42528_5542.N1	19-APR-2010 02:32:21	Straylight	46.000	54	5The Cen	2.0550	4500.0	92	42528	No
29	GOM_NL__2PRFIN20100419_023657_000000412088_00390_42528_5543.N1	19-APR-2010 02:36:57	Twilight_stray	41.000	169	46Gam Hya	2.9910	4700.0	82	42528	No
30	GOM_NL__2PRFIN20100419_024030_000000442088_00390_42528_5544.N1	19-APR-2010 02:40:30	Bright	43.500	15	67Alp Vir	0.97600	28000.	87	42528	No
31	GOM_NL__2PRFIN20100419_024332_000000382088_00390_42528_5545.N1	19-APR-2010 02:43:32	Bright	37.500	121	29Gam Vir	2.7400	7200.0	75	42528	No
32	GOM_NL__2PRFIN20100419_024712_000000392088_00390_42528_5546.N1	19-APR-2010 02:47:12	Bright	39.000	138	47Eps Vir	2.8280	4700.0	78	42528	No
33	GOM_NL__2PRFIN20100419_025019_000000472088_00390_42528_5547.N1	19-APR-2010 02:50:19	Bright	47.000	111	8Eta Boo	2.6800	6000.0	94	42528	No
34	GOM_NL__2PRFIN20100419_025513_000000372088_00390_42528_5548.N1	19-APR-2010 02:55:13	Bright	36.500	152	12Alp2CVn	2.8900	11000.	73	42528	No
35	GOM_NL__2PRFIN20100419_025923_000000602088_00390_42528_5549.N1	19-APR-2010 02:59:23	Bright	60.000	39	85Eta UMa	1.8540	24000.	120	42528	No
36	GOM_NL__2PRFIN20100419_030635_000000402088_00390_42528_5550.N1	19-APR-2010 03:06:35	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	42528	No
37	GOM_NL__2PRFIN20100419_031645_000000412088_00390_42528_5551.N1	19-APR-2010 03:16:45	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	42528	No
38	GOM_NL__2PRFIN20100419_032202_000000432088_00390_42528_5552.N1	19-APR-2010 03:22:02	Bright	43.000	19	50Alp Cyg	1.2460	10500.	86	42528	No
39	GOM_NL__2PRFIN20100419_032657_000000442088_00390_42528_5553.N1	19-APR-2010 03:26:57	Bright	43.500	164	44Eta Peg	2.9480	5400.0	87	42528	No
40	GOM_NL__2PRFIN20100419_033417_000000522088_00390_42528_5554.N1	19-APR-2010 03:34:17	Dark	52.000	61	8Eps Peg	2.1000	3900.0	104	42528	No
41	GOM_NL__2PRFIN20100419_033645_000000472088_00390_42528_5555.N1	19-APR-2010 03:36:45	Dark	47.000	162	34Alp Aqr	2.9440	5350.0	94	42528	No
42	GOM_NL__2PRFIN20100419_033933_000000502088_00390_42528_5556.N1	19-APR-2010 03:39:33	Dark	49.500	154	22Bet Aqr	2.8990	5700.0	99	42528	No



43	GOM_NL__2PRFIN20100419_034153_000000442088_00390_42528_5557.N1	19-APR-2010 03:41:53	Dark	44.000	142	49Del Cap	2.8500	8900.0	88	42528	No
44	GOM_NL__2PRFIN20100419_040231_000000572088_00391_42529_5547.N1	19-APR-2010 04:02:31	Dark	57.000	40	The Sco	1.8590	7100.0	114	42529	No
45	GOM_NL__2PRFIN20100419_040905_000000432088_00391_42529_5548.N1	19-APR-2010 04:09:05	Straylight	42.500	78	Alp Lup	2.3040	28000.	85	42529	No
46	GOM_NL__2PRFIN20100419_041040_000000432088_00391_42529_5549.N1	19-APR-2010 04:10:40	Straylight	43.000	81	Eta Cen	2.3560	28000.	86	42529	No
47	GOM_NL__2PRFIN20100419_041258_000000472088_00391_42529_5550.N1	19-APR-2010 04:12:58	Straylight	47.000	54	5The Cen	2.0550	4500.0	94	42529	No
48	GOM_NL__2PRFIN20100419_041734_000000452088_00391_42529_5551.N1	19-APR-2010 04:17:34	Twilight_stray	44.500	169	46Gam Hya	2.9910	4700.0	89	42529	No
49	GOM_NL__2PRFIN20100419_042106_000000422088_00391_42529_5552.N1	19-APR-2010 04:21:06	Bright	41.500	15	67Alp Vir	0.97600	28000.	83	42529	No
50	GOM_NL__2PRFIN20100419_042409_000000392088_00391_42529_5553.N1	19-APR-2010 04:24:09	Bright	38.500	121	29Gam Vir	2.7400	7200.0	77	42529	No
51	GOM_NL__2PRFIN20100419_042748_000000402088_00391_42529_5554.N1	19-APR-2010 04:27:48	Bright	39.500	138	47Eps Vir	2.8280	4700.0	79	42529	No
52	GOM_NL__2PRFIN20100419_043055_000000442088_00391_42529_5555.N1	19-APR-2010 04:30:55	Bright	44.000	111	8Eta Boo	2.6800	6000.0	88	42529	No
53	GOM_NL__2PRFIN20100419_043549_000000382088_00391_42529_5556.N1	19-APR-2010 04:35:49	Bright	37.500	152	12Alp2CVn	2.8900	11000.	75	42529	No
54	GOM_NL__2PRFIN20100419_043958_000000432088_00391_42529_5557.N1	19-APR-2010 04:39:58	Bright	42.500	39	85Eta UMa	1.8540	24000.	85	42529	No
55	GOM_NL__2PRFIN20100419_044711_000000422088_00391_42529_5558.N1	19-APR-2010 04:47:11	Bright	41.500	60	7Bet UMi	2.0810	3950.0	83	42529	No
56	GOM_NL__2PRFIN20100419_045721_000000412088_00391_42529_5559.N1	19-APR-2010 04:57:21	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	42529	No
57	GOM_NL__2PRFIN20100419_050238_000000432088_00391_42529_5560.N1	19-APR-2010 05:02:38	Bright	43.000	19	50Alp Cyg	1.2460	10500.	86	42529	No
58	GOM_NL__2PRFIN20100419_050733_000000472088_00391_42529_5561.N1	19-APR-2010 05:07:33	Bright	46.500	164	44Eta Peg	2.9480	5400.0	93	42529	No
59	GOM_NL__2PRFIN20100419_051454_000000532088_00391_42529_5562.N1	19-APR-2010 05:14:54	Dark	52.500	61	8Eps Peg	2.1000	3900.0	105	42529	No
60	GOM_NL__2PRFIN20100419_051721_000000462088_00391_42529_5563.N1	19-APR-2010 05:17:21	Dark	45.500	162	34Alp Aqr	2.9440	5350.0	91	42529	No
61	GOM_NL__2PRFIN20100419_052009_000000502088_00391_42529_5564.N1	19-APR-2010 05:20:09	Dark	50.000	154	22Bet Aqr	2.8990	5700.0	100	42529	No
62	GOM_NL__2PRFIN20100419_052229_000000472088_00391_42529_5565.N1	19-APR-2010 05:22:29	Dark	47.000	142	49Del Cap	2.8500	8900.0	94	42529	No
63	GOM_NL__2PRFIN20100419_054308_000000642088_00392_42530_5555.N1	19-APR-2010 05:43:08	Dark	64.000	40	The Sco	1.8590	7100.0	128	42530	No
64	GOM_NL__2PRFIN20100419_054941_000000432088_00392_42530_5556.N1	19-APR-2010 05:49:41	Straylight	42.500	78	Alp Lup	2.3040	28000.	85	42530	No
65	GOM_NL__2PRFIN20100419_055116_000000432088_00392_42530_5557.N1	19-APR-2010 05:51:16	Straylight	42.500	81	Eta Cen	2.3560	28000.	85	42530	No
66	GOM_NL__2PRFIN20100419_055334_000000492088_00392_42530_5558.N1	19-APR-2010 05:53:34	Straylight	49.000	54	5The Cen	2.0550	4500.0	98	42530	No
67	GOM_NL__2PRFIN20100419_055810_000000422088_00392_42530_5559.N1	19-APR-2010 05:58:10	Twilight_stray	42.000	169	46Gam Hya	2.9910	4700.0	84	42530	No
68	GOM_NL__2PRFIN20100419_060143_000000452088_00392_42530_5560.N1	19-APR-2010 06:01:43	Bright	44.500	15	67Alp Vir	0.97600	28000.	89	42530	No
69	GOM_NL__2PRFIN20100419_060445_000000392088_00392_42530_5561.N1	19-APR-2010 06:04:45	Bright	38.500	121	29Gam Vir	2.7400	7200.0	77	42530	No
70	GOM_NL__2PRFIN20100419_060824_000000392088_00392_42530_5562.N1	19-APR-2010 06:08:24	Bright	38.500	138	47Eps Vir	2.8280	4700.0	77	42530	No
71	GOM_NL__2PRFIN20100419_061130_000000472088_00392_42530_5563.N1	19-APR-2010 06:11:30	Bright	47.000	111	8Eta Boo	2.6800	6000.0	94	42530	No
72	GOM_NL__2PRFIN20100419_061625_000000362088_00392_42530_5564.N1	19-APR-2010 06:16:25	Bright	36.000	152	12Alp2CVn	2.8900	11000.	72	42530	No
73	GOM_NL__2PRFIN20100419_062034_000000422088_00392_42530_5565.N1	19-APR-2010 06:20:34	Bright	42.000	39	85Eta UMa	1.8540	24000.	84	42530	No
74	GOM_NL__2PRFIN20100419_062747_000000392088_00392_42530_5566.N1	19-APR-2010 06:27:47	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	42530	No
75	GOM_NL__2PRFIN20100419_063757_000000412088_00392_42530_5567.N1	19-APR-2010 06:37:57	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	42530	No
76	GOM_NL__2PRFIN20100419_064314_000000372088_00392_42530_5568.N1	19-APR-2010 06:43:14	Bright	37.000	19	50Alp Cyg	1.2460	10500.	74	42530	No
77	GOM_NL__2PRFIN20100419_064809_000000482088_00392_42530_5569.N1	19-APR-2010 06:48:09	Bright	48.000	164	44Eta Peg	2.9480	5400.0	96	42530	No
78	GOM_NL__2PRFIN20100419_065530_000000562088_00392_42530_5570.N1	19-APR-2010 06:55:30	Dark	55.500	61	8Eps Peg	2.1000	3900.0	111	42530	No
79	GOM_NL__2PRFIN20100419_065758_000000482088_00392_42530_5571.N1	19-APR-2010 06:57:58	Dark	47.500	162	34Alp Aqr	2.9440	5350.0	95	42530	No
80	GOM_NL__2PRFIN20100419_070046_000000512088_00392_42530_5572.N1	19-APR-2010 07:00:46	Dark	51.000	154	22Bet Aqr	2.8990	5700.0	102	42530	No
81	GOM_NL__2PRFIN20100419_070306_000000462088_00392_42530_5573.N1	19-APR-2010 07:03:06	Dark	46.000	142	49Del Cap	2.8500	8900.0	92	42530	No
82	GOM_NL__2PRFIN20100419_072345_000000522088_00393_42531_5564.N1	19-APR-2010 07:23:45	Dark	52.000	40	The Sco	1.8590	7100.0	104	42531	No
83	GOM_NL__2PRFIN20100419_073018_000000412088_00393_42531_5565.N1	19-APR-2010 07:30:18	Straylight	40.500	78	Alp Lup	2.3040	28000.	81	42531	No
84	GOM_NL__2PRFIN20100419_073153_000000452088_00393_42531_5566.N1	19-APR-2010 07:31:53	Straylight	45.000	81	Eta Cen	2.3560	28000.	90	42531	No
85	GOM_NL__2PRFIN20100419_073411_000000472088_00393_42531_5567.N1	19-APR-2010 07:34:11	Straylight	47.000	54	5The Cen	2.0550	4500.0	94	42531	No
86	GOM_NL__2PRFIN20100419_073846_000000432088_00393_42531_5568.N1	19-APR-2010 07:38:46	Twilight_stray	43.000	169	46Gam Hya	2.9910	4700.0	86	42531	No
87	GOM_NL__2PRFIN20100419_074219_000000422088_00393_42531_5569.N1	19-APR-2010 07:42:19	Bright	42.000	15	67Alp Vir	0.97600	28000.	84	42531	No
88	GOM_NL__2PRFIN20100419_074521_000000382088_00393_42531_5570.N1	19-APR-2010 07:45:21	Bright	38.000	121	29Gam Vir	2.7400	7200.0	76	42531	No
89	GOM_NL__2PRFIN20100419_074900_000000392088_00393_42531_5571.N1	19-APR-2010 07:49:00	Bright	38.500	138	47Eps Vir	2.8280	4700.0	77	42531	No
90	GOM_NL__2PRFIN20100419_075206_000000462088_00393_42531_5572.N1	19-APR-2010 07:52:06	Bright	46.000	111	8Eta Boo	2.6800	6000.0	92	42531	No
91	GOM_NL__2PRFIN20100419_075701_000000392088_00393_42531_5573.N1	19-APR-2010 07:57:01	Bright	38.500	152	12Alp2CVn	2.8900	11000.	77	42531	No
92	GOM_NL__2PRFIN20100419_080109_000000392088_00393_42531_5574.N1	19-APR-2010 08:01:09	Bright	39.000	39	85Eta UMa	1.8540	24000.	78	42531	No
93	GOM_NL__2PRFIN20100419_080822_000000562088_00393_42531_5575.N1	19-APR-2010 08:08:22	Bright	56.000	60	7Bet UMi	2.0810	3950.0	112	42531	No
94	GOM_NL__2PRFIN20100419_081833_000000412088_00393_42531_5576.N1	19-APR-2010 08:18:33	Bright	40.500	89	5Alp Cep	2.4510	8000.0	81	42531	No
95	GOM_NL__2PRFIN20100419_082350_000000372088_00393_42531_5577.N1	19-APR-2010 08:23:50	Bright	37.000	19	50Alp Cyg	1.2460	10500.	74	42531	No
96	GOM_NL__2PRFIN20100419_082845_000000382088_00393_42531_5578.N1	19-APR-2010 08:28:45	Bright	38.000	164	44Eta Peg	2.9480	5400.0	76	42531	No
97	GOM_NL__2PRFIN20100419_083606_000000552088_00393_42531_5579.N1	19-APR-2010 08:36:06	Dark	54.500	61	8Eps Peg	2.1000	3900.0	109	42531	No
98	GOM_NL__2PRFIN20100419_083834_000000442088_00393_42531_5580.N1	19-APR-2010 08:38:34	Dark	43.500	162	34Alp Aqr	2.9440	5350.0	87	42531	No
99	GOM_NL__2PRFIN20100419_084123_000000512088_00393_42531_5581.N1	19-APR-2010 08:41:23	Dark	51.000	154	22Bet Aqr	2.8990	5700.0	102	42531	No
100	GOM_NL__2PRFIN20100419_084342_000000432088_00393_42531_5582.N1	19-APR-2010 08:43:42	Dark	43.000	142	49Del Cap	2.8500	8900.0	86	42531	No
101	GOM_NL__2PRFIN20100419_090422_000000602088_00394_42532_5572.N1	19-APR-2010 09:04:22	Dark	59.500	40	The Sco	1.8590	7100.0	119	42532	No



161	GOM_NL__2PRFIN20100419_141635_000000472088_00397_42535_5599.N1	19-APR-2010 14:16:35	Straylight	47.000	54	5The Cen	2.0550	4500.0	94	42535	No
162	GOM_NL__2PRFIN20100419_142110_000000442088_00397_42535_5600.N1	19-APR-2010 14:21:10	Twilight_stray	44.000	169	46Gam Hya	2.9910	4700.0	88	42535	No
163	GOM_NL__2PRFIN20100419_142442_000000472088_00397_42535_5601.N1	19-APR-2010 14:24:42	Bright	47.000	15	67Alp Vir	0.97600	28000.	94	42535	No
164	GOM_NL__2PRFIN20100419_142748_000000352088_00397_42535_5602.N1	19-APR-2010 14:27:48	Bright	34.500	121	29Gam Vir	2.7400	7200.0	69	42535	No
165	GOM_NL__2PRFIN20100419_143123_000000382088_00397_42535_5603.N1	19-APR-2010 14:31:23	Bright	38.000	138	47Eps Vir	2.8280	4700.0	76	42535	No
166	GOM_NL__2PRFIN20100419_143428_000000442088_00397_42535_5604.N1	19-APR-2010 14:34:28	Bright	44.000	111	8Eta Boo	2.6800	6000.0	88	42535	No
167	GOM_NL__2PRFIN20100419_143924_000000392088_00397_42535_5605.N1	19-APR-2010 14:39:24	Bright	38.500	152	12Alp2CVn	2.8900	11000.	77	42535	No
168	GOM_NL__2PRFIN20100419_144331_000000412088_00397_42535_5606.N1	19-APR-2010 14:43:31	Bright	41.000	39	85Eta UMa	1.8540	24000.	82	42535	No
169	GOM_NL__2PRFIN20100419_145045_000000402088_00397_42535_5607.N1	19-APR-2010 14:50:45	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	42535	No
170	GOM_NL__2PRFIN20100419_150056_000000422088_00397_42535_5608.N1	19-APR-2010 15:00:56	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	42535	No
171	GOM_NL__2PRFIN20100419_150613_000000252088_00397_42535_5609.N1	19-APR-2010 15:06:13	Twilight_stray	25.000	19	50Alp Cyg	1.2460	10500.	50	42535	No
172	GOM_NL__2PRFIN20100419_151110_000000352088_00397_42535_5610.N1	19-APR-2010 15:11:10	Bright	35.000	164	44Eta Peg	2.9480	5400.0	70	42535	No
173	GOM_NL__2PRFIN20100419_151832_000000572088_00397_42535_5611.N1	19-APR-2010 15:18:32	Dark	56.500	61	8Eps Peg	2.1000	3900.0	113	42535	No
174	GOM_NL__2PRFIN20100419_152100_000000482088_00397_42535_5612.N1	19-APR-2010 15:21:00	Dark	48.000	162	34Alp Aqr	2.9440	5350.0	96	42535	No
175	GOM_NL__2PRFIN20100419_152350_000000502088_00397_42535_5613.N1	19-APR-2010 15:23:50	Dark	50.000	154	22Bet Aqr	2.8990	5700.0	100	42535	No
176	GOM_NL__2PRFIN20100419_152609_000000442088_00397_42535_5614.N1	19-APR-2010 15:26:09	Dark	43.500	142	49Del Cap	2.8500	8900.0	87	42535	No
177	GOM_NL__2PRFIN20100419_154650_000000542088_00398_42536_5604.N1	19-APR-2010 15:46:50	Dark	54.000	40	The Sco	1.8590	7100.0	108	42536	No
178	GOM_NL__2PRFIN20100419_155319_000000442088_00398_42536_5605.N1	19-APR-2010 15:53:19	Straylight	44.000	78	Alp Lup	2.3040	28000.	88	42536	No
179	GOM_NL__2PRFIN20100419_155454_000000442088_00398_42536_5606.N1	19-APR-2010 15:54:54	Straylight	44.000	81	Eta Cen	2.3560	28000.	88	42536	No
180	GOM_NL__2PRFIN20100419_155712_000000482088_00398_42536_5607.N1	19-APR-2010 15:57:12	Straylight	48.000	54	5The Cen	2.0550	4500.0	96	42536	No
181	GOM_NL__2PRFIN20100419_160146_000000452088_00398_42536_5608.N1	19-APR-2010 16:01:46	Twilight_stray	44.500	169	46Gam Hya	2.9910	4700.0	89	42536	No
182	GOM_NL__2PRFIN20100419_160518_000000452088_00398_42536_5609.N1	19-APR-2010 16:05:18	Bright	44.500	15	67Alp Vir	0.97600	28000.	89	42536	No
183	GOM_NL__2PRFIN20100419_161159_000000382088_00398_42536_5610.N1	19-APR-2010 16:11:59	Bright	38.000	138	47Eps Vir	2.8280	4700.0	76	42536	No
184	GOM_NL__2PRFIN20100419_161503_000000462088_00398_42536_5611.N1	19-APR-2010 16:15:03	Bright	45.500	111	8Eta Boo	2.6800	6000.0	91	42536	No
185	GOM_NL__2PRFIN20100419_161959_000000392088_00398_42536_5612.N1	19-APR-2010 16:19:59	Bright	38.500	152	12Alp2CVn	2.8900	11000.	77	42536	No
186	GOM_NL__2PRFIN20100419_162407_000000402088_00398_42536_5613.N1	19-APR-2010 16:24:07	Bright	39.500	39	85Eta UMa	1.8540	24000.	79	42536	No
187	GOM_NL__2PRFIN20100419_163121_000000392088_00398_42536_5614.N1	19-APR-2010 16:31:21	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	42536	No
188	GOM_NL__2PRFIN20100419_164131_000000412088_00398_42536_5615.N1	19-APR-2010 16:41:31	Bright	40.500	89	5Alp Cep	2.4510	8000.0	81	42536	No
189	GOM_NL__2PRFIN20100419_165146_000000362088_00398_42536_5616.N1	19-APR-2010 16:51:46	Bright	36.000	164	44Eta Peg	2.9480	5400.0	72	42536	No
190	GOM_NL__2PRFIN20100419_165908_000000532088_00398_42536_5617.N1	19-APR-2010 16:59:08	Dark	53.000	61	8Eps Peg	2.1000	3900.0	106	42536	No
191	GOM_NL__2PRFIN20100419_170136_000000492088_00398_42536_5618.N1	19-APR-2010 17:01:36	Dark	48.500	162	34Alp Aqr	2.9440	5350.0	97	42536	No
192	GOM_NL__2PRFIN20100419_170427_000000512088_00398_42536_5619.N1	19-APR-2010 17:04:27	Dark	50.500	154	22Bet Aqr	2.8990	5700.0	101	42536	No
193	GOM_NL__2PRFIN20100419_170646_000000472088_00398_42536_5620.N1	19-APR-2010 17:06:46	Dark	47.000	142	49Del Cap	2.8500	8900.0	94	42536	No
194	GOM_NL__2PRFIN20100419_172727_000000602088_00399_42537_5626.N1	19-APR-2010 17:27:27	Straylight	60.000	40	The Sco	1.8590	7100.0	120	42537	No
195	GOM_NL__2PRFIN20100419_173356_000000422088_00399_42537_5627.N1	19-APR-2010 17:33:56	Straylight	41.500	78	Alp Lup	2.3040	28000.	83	42537	No
196	GOM_NL__2PRFIN20100419_173530_000000452088_00399_42537_5628.N1	19-APR-2010 17:35:30	Straylight	45.000	81	Eta Cen	2.3560	28000.	90	42537	No
197	GOM_NL__2PRFIN20100419_173748_000000462088_00399_42537_5629.N1	19-APR-2010 17:37:48	Straylight	46.000	54	5The Cen	2.0550	4500.0	92	42537	No
198	GOM_NL__2PRFIN20100419_174222_000000462088_00399_42537_5630.N1	19-APR-2010 17:42:22	Twilight_stray	45.500	169	46Gam Hya	2.9910	4700.0	91	42537	No
199	GOM_NL__2PRFIN20100419_174555_000000442088_00399_42537_5631.N1	19-APR-2010 17:45:55	Bright	43.500	15	67Alp Vir	0.97600	28000.	87	42537	No
200	GOM_NL__2PRFIN20100419_175235_000000382088_00399_42537_5632.N1	19-APR-2010 17:52:35	Bright	38.000	138	47Eps Vir	2.8280	4700.0	76	42537	No
201	GOM_NL__2PRFIN20100419_175539_000000462088_00399_42537_5633.N1	19-APR-2010 17:55:39	Bright	46.000	111	8Eta Boo	2.6800	6000.0	92	42537	No
202	GOM_NL__2PRFIN20100419_180035_000000382088_00399_42537_5634.N1	19-APR-2010 18:00:35	Bright	37.500	152	12Alp2CVn	2.8900	11000.	75	42537	No
203	GOM_NL__2PRFIN20100419_180442_000000592088_00399_42537_5635.N1	19-APR-2010 18:04:42	Bright	59.000	39	85Eta UMa	1.8540	24000.	118	42537	No
204	GOM_NL__2PRFIN20100419_181156_000000402088_00399_42537_5636.N1	19-APR-2010 18:11:56	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	42537	No
205	GOM_NL__2PRFIN20100419_182208_000000402088_00399_42537_5637.N1	19-APR-2010 18:22:08	Bright	39.500	89	5Alp Cep	2.4510	8000.0	79	42537	No
206	GOM_NL__2PRFIN20100419_183222_000000392088_00399_42537_5638.N1	19-APR-2010 18:32:22	Bright	39.000	164	44Eta Peg	2.9480	5400.0	78	42537	No
207	GOM_NL__2PRFIN20100419_183945_000000592088_00399_42537_5639.N1	19-APR-2010 18:39:45	Dark	59.000	61	8Eps Peg	2.1000	3900.0	118	42537	No
208	GOM_NL__2PRFIN20100419_184213_000000482088_00399_42537_5640.N1	19-APR-2010 18:42:13	Dark	47.500	162	34Alp Aqr	2.9440	5350.0	95	42537	No
209	GOM_NL__2PRFIN20100419_184503_000000502088_00399_42537_5641.N1	19-APR-2010 18:45:03	Dark	50.000	154	22Bet Aqr	2.8990	5700.0	100	42537	No
210	GOM_NL__2PRFIN20100419_184722_000000472088_00399_42537_5642.N1	19-APR-2010 18:47:22	Dark	47.000	142	49Del Cap	2.8500	8900.0	94	42537	No
211	GOM_NL__2PRFIN20100419_190804_000000542088_00400_42538_5634.N1	19-APR-2010 19:08:04	Dark	53.500	40	The Sco	1.8590	7100.0	107	42538	No
212	GOM_NL__2PRFIN20100419_191432_000000412088_00400_42538_5635.N1	19-APR-2010 19:14:32	Straylight	41.000	78	Alp Lup	2.3040	28000.	82	42538	No
213	GOM_NL__2PRFIN20100419_191607_000000432088_00400_42538_5636.N1	19-APR-2010 19:16:07	Straylight	43.000	81	Eta Cen	2.3560	28000.	86	42538	No
214	GOM_NL__2PRFIN20100419_191824_000000472088_00400_42538_5637.N1	19-APR-2010 19:18:24	Straylight	47.000	54	5The Cen	2.0550	4500.0	94	42538	No
215	GOM_NL__2PRFIN20100419_192259_000000442088_00400_42538_5638.N1	19-APR-2010 19:22:59	Twilight_stray	44.000	169	46Gam Hya	2.9910	4700.0	88	42538	No
216	GOM_NL__2PRFIN20100419_192630_000000452088_00400_42538_5639.N1	19-APR-2010 19:26:30	Bright	44.500	15	67Alp Vir	0.97600	28000.	89	42538	No
217	GOM_NL__2PRFIN20100419_193311_000000382088_00400_42538_5640.N1	19-APR-2010 19:33:11	Bright	38.000	138	47Eps Vir	2.8280	4700.0	76	42538	No
218	GOM_NL__2PRFIN20100419_193614_000000472088_00400_42538_5641.N1	19-APR-2010 19:36:14	Bright	46.500	111	8Eta Boo	2.6800	6000.0	93	42538	No
219	GOM_NL__2PRFIN20100419_194111_000000392088_00400_42538_5642.N1	19-APR-2010 19:41:11	Bright	38.500	152	12Alp2CVn	2.8900	11000.	77	42538	No

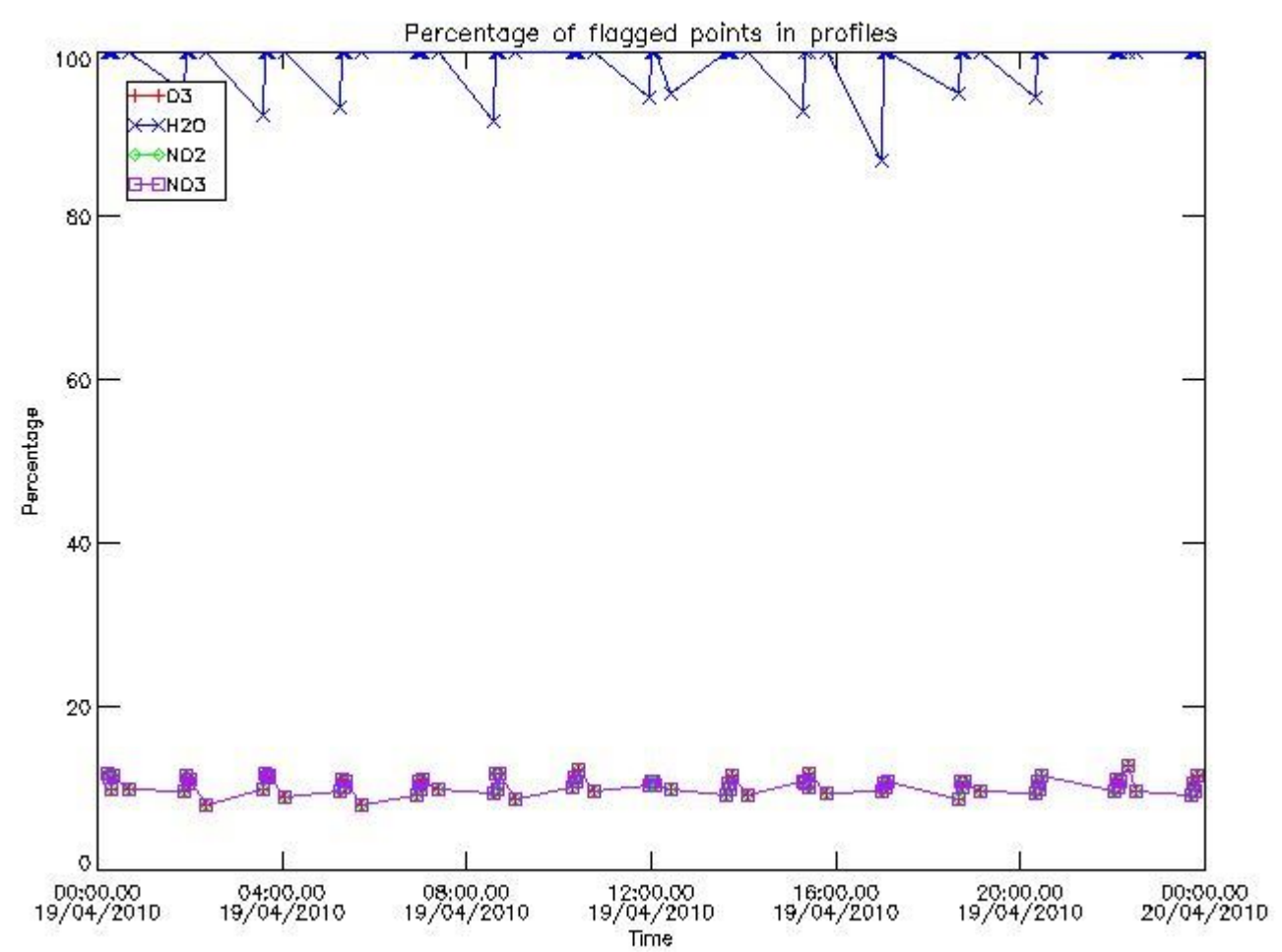


220	GOM_NL__2PRFIN20100419_194517_000000412088_00400_42538_5643.N1	19-APR-2010 19:45:17	Bright	41.000	39	85Eta UMa	1.8540	24000.	82	42538	No
221	GOM_NL__2PRFIN20100419_195232_000000412088_00400_42538_5644.N1	19-APR-2010 19:52:32	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	42538	No
222	GOM_NL__2PRFIN20100419_200243_000000372088_00400_42538_5645.N1	19-APR-2010 20:02:43	Bright	37.000	89	5Alp Cep	2.4510	8000.0	74	42538	No
223	GOM_NL__2PRFIN20100419_201258_000000392088_00400_42538_5646.N1	19-APR-2010 20:12:58	Bright	39.000	164	44Eta Peg	2.9480	5400.0	78	42538	No
224	GOM_NL__2PRFIN20100419_202021_000000552088_00400_42538_5647.N1	19-APR-2010 20:20:21	Dark	54.500	61	8Eps Peg	2.1000	3900.0	109	42538	No
225	GOM_NL__2PRFIN20100419_202249_000000472088_00400_42538_5648.N1	19-APR-2010 20:22:49	Dark	46.500	162	34Alp Aqr	2.9440	5350.0	93	42538	No
226	GOM_NL__2PRFIN20100419_202540_000000522088_00400_42538_5649.N1	19-APR-2010 20:25:40	Dark	51.500	154	22Bet Aqr	2.8990	5700.0	103	42538	No
227	GOM_NL__2PRFIN20100419_202759_000000442088_00400_42538_5650.N1	19-APR-2010 20:27:59	Dark	44.000	142	49Del Cap	2.8500	8900.0	88	42538	No
228	GOM_NL__2PRFIN20100419_204840_000000622088_00401_42539_5642.N1	19-APR-2010 20:48:40	Straylight	62.000	40	The Sco	1.8590	7100.0	124	42539	No
229	GOM_NL__2PRFIN20100419_205508_000000432088_00401_42539_5643.N1	19-APR-2010 20:55:08	Straylight	43.000	78	Alp Lup	2.3040	28000.	86	42539	No
230	GOM_NL__2PRFIN20100419_205643_000000442088_00401_42539_5644.N1	19-APR-2010 20:56:43	Straylight	44.000	81	Eta Cen	2.3560	28000.	88	42539	No
231	GOM_NL__2PRFIN20100419_205900_000000482088_00401_42539_5645.N1	19-APR-2010 20:59:00	Straylight	48.000	54	5The Cen	2.0550	4500.0	96	42539	No
232	GOM_NL__2PRFIN20100419_210335_000000452088_00401_42539_5646.N1	19-APR-2010 21:03:35	Tw_i_and_stray	44.500	169	46Gam Hya	2.9910	4700.0	89	42539	No
233	GOM_NL__2PRFIN20100419_210706_000000442088_00401_42539_5647.N1	19-APR-2010 21:07:06	Bright	44.000	15	67Alp Vir	0.97600	28000.	88	42539	No
234	GOM_NL__2PRFIN20100419_211347_000000392088_00401_42539_5648.N1	19-APR-2010 21:13:47	Bright	38.500	138	47Eps Vir	2.8280	4700.0	77	42539	No
235	GOM_NL__2PRFIN20100419_211650_000000452088_00401_42539_5649.N1	19-APR-2010 21:16:50	Bright	45.000	111	8Eta Boo	2.6800	6000.0	90	42539	No
236	GOM_NL__2PRFIN20100419_212146_000000382088_00401_42539_5650.N1	19-APR-2010 21:21:46	Bright	38.000	152	12Alp2CVn	2.8900	11000.	76	42539	No
237	GOM_NL__2PRFIN20100419_212553_000000592088_00401_42539_5651.N1	19-APR-2010 21:25:53	Bright	59.000	39	85Eta UMa	1.8540	24000.	118	42539	No
238	GOM_NL__2PRFIN20100419_213308_000000402088_00401_42539_5652.N1	19-APR-2010 21:33:08	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	42539	No
239	GOM_NL__2PRFIN20100419_214319_000000422088_00401_42539_5653.N1	19-APR-2010 21:43:19	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	42539	No
240	GOM_NL__2PRFIN20100419_215334_000000552088_00401_42539_5654.N1	19-APR-2010 21:53:34	Bright	55.000	164	44Eta Peg	2.9480	5400.0	110	42539	No
241	GOM_NL__2PRFIN20100419_220058_000000532088_00401_42539_5655.N1	19-APR-2010 22:00:58	Dark	53.000	61	8Eps Peg	2.1000	3900.0	106	42539	No
242	GOM_NL__2PRFIN20100419_220326_000000462088_00401_42539_5656.N1	19-APR-2010 22:03:26	Dark	46.000	162	34Alp Aqr	2.9440	5350.0	92	42539	No
243	GOM_NL__2PRFIN20100419_220616_000000502088_00401_42539_5657.N1	19-APR-2010 22:06:16	Dark	50.000	154	22Bet Aqr	2.8990	5700.0	100	42539	No
244	GOM_NL__2PRFIN20100419_220835_000000472088_00401_42539_5658.N1	19-APR-2010 22:08:35	Dark	47.000	142	49Del Cap	2.8500	8900.0	94	42539	No
245	GOM_NL__2PRFIN20100419_222049_000000402088_00402_42540_5650.N1	19-APR-2010 22:20:49	Dark	40.000	45	Alp Pav	1.9400	26000.	80	42540	No
246	GOM_NL__2PRFIN20100419_222918_000000542088_00402_42540_5651.N1	19-APR-2010 22:29:18	Dark	53.500	40	The Sco	1.8590	7100.0	107	42540	No
247	GOM_NL__2PRFIN20100419_223545_000000422088_00402_42540_5652.N1	19-APR-2010 22:35:45	Straylight	41.500	78	Alp Lup	2.3040	28000.	83	42540	No
248	GOM_NL__2PRFIN20100419_223720_000000462088_00402_42540_5653.N1	19-APR-2010 22:37:20	Straylight	45.500	81	Eta Cen	2.3560	28000.	91	42540	No
249	GOM_NL__2PRFIN20100419_223937_000000472088_00402_42540_5654.N1	19-APR-2010 22:39:37	Straylight	47.000	54	5The Cen	2.0550	4500.0	94	42540	No
250	GOM_NL__2PRFIN20100419_224411_000000422088_00402_42540_5655.N1	19-APR-2010 22:44:11	Tw_i_and_stray	41.500	169	46Gam Hya	2.9910	4700.0	83	42540	No
251	GOM_NL__2PRFIN20100419_224742_000000432088_00402_42540_5656.N1	19-APR-2010 22:47:42	Bright	43.000	15	67Alp Vir	0.97600	28000.	86	42540	No
252	GOM_NL__2PRFIN20100419_225422_000000382088_00402_42540_5657.N1	19-APR-2010 22:54:22	Bright	38.000	138	47Eps Vir	2.8280	4700.0	76	42540	No
253	GOM_NL__2PRFIN20100419_225725_000000442088_00402_42540_5658.N1	19-APR-2010 22:57:25	Bright	44.000	111	8Eta Boo	2.6800	6000.0	88	42540	No
254	GOM_NL__2PRFIN20100419_230222_000000392088_00402_42540_5659.N1	19-APR-2010 23:02:22	Bright	39.000	152	12Alp2CVn	2.8900	11000.	78	42540	No
255	GOM_NL__2PRFIN20100419_230628_000000592088_00402_42540_5660.N1	19-APR-2010 23:06:28	Bright	59.000	39	85Eta UMa	1.8540	24000.	118	42540	No
256	GOM_NL__2PRFIN20100419_231343_000000392088_00402_42540_5661.N1	19-APR-2010 23:13:43	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	42540	No
257	GOM_NL__2PRFIN20100419_232354_000000582088_00402_42540_5662.N1	19-APR-2010 23:23:54	Bright	58.000	89	5Alp Cep	2.4510	8000.0	116	42540	No
258	GOM_NL__2PRFIN20100419_233410_000000552088_00402_42540_5663.N1	19-APR-2010 23:34:10	Bright	55.000	164	44Eta Peg	2.9480	5400.0	110	42540	No
259	GOM_NL__2PRFIN20100419_234134_000000562088_00402_42540_5664.N1	19-APR-2010 23:41:34	Dark	55.500	61	8Eps Peg	2.1000	3900.0	111	42540	No
260	GOM_NL__2PRFIN20100419_234402_000000492088_00402_42540_5665.N1	19-APR-2010 23:44:02	Dark	48.500	162	34Alp Aqr	2.9440	5350.0	97	42540	No
261	GOM_NL__2PRFIN20100419_234653_000000532088_00402_42540_5666.N1	19-APR-2010 23:46:53	Dark	52.500	154	22Bet Aqr	2.8990	5700.0	105	42540	No
262	GOM_NL__2PRFIN20100419_234912_000000452088_00402_42540_5667.N1	19-APR-2010 23:49:12	Dark	44.500	142	49Del Cap	2.8500	8900.0	89	42540	No

### 3. Quality information per product

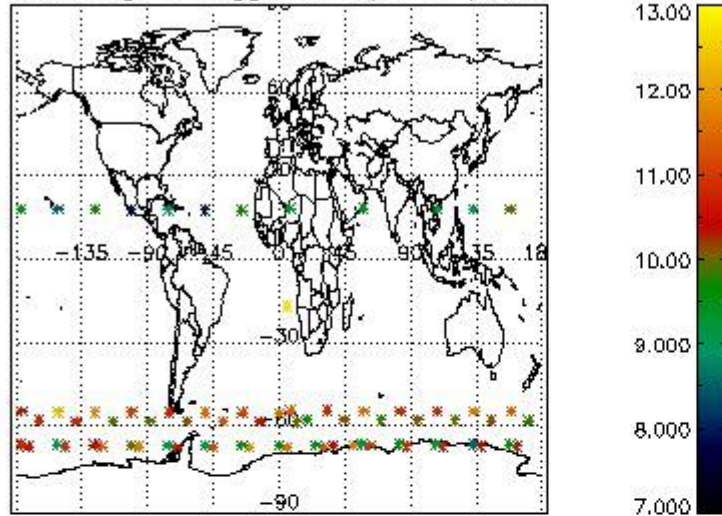
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

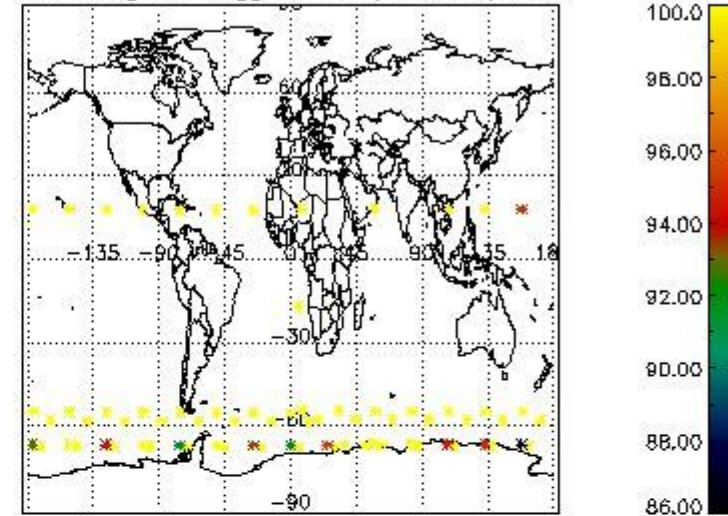


3.2 Plot quality information per product (world map)

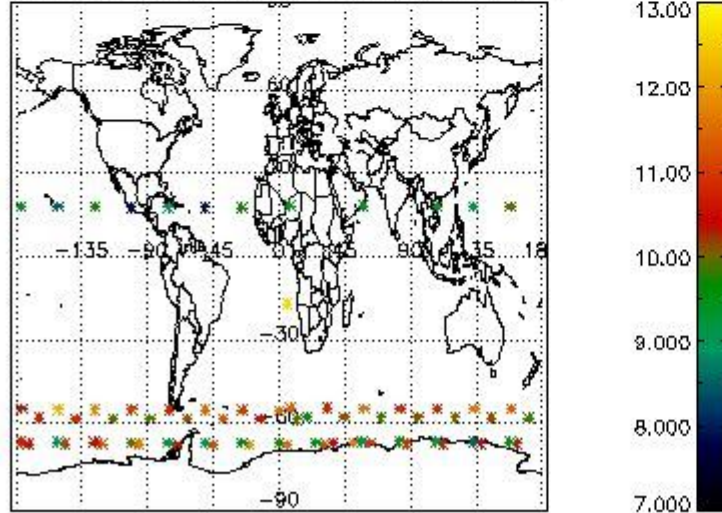
Percentage of flagged data per O3 profile



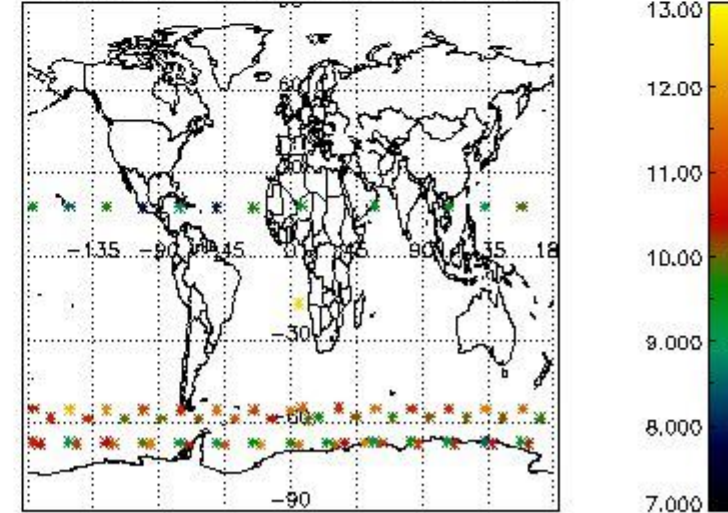
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

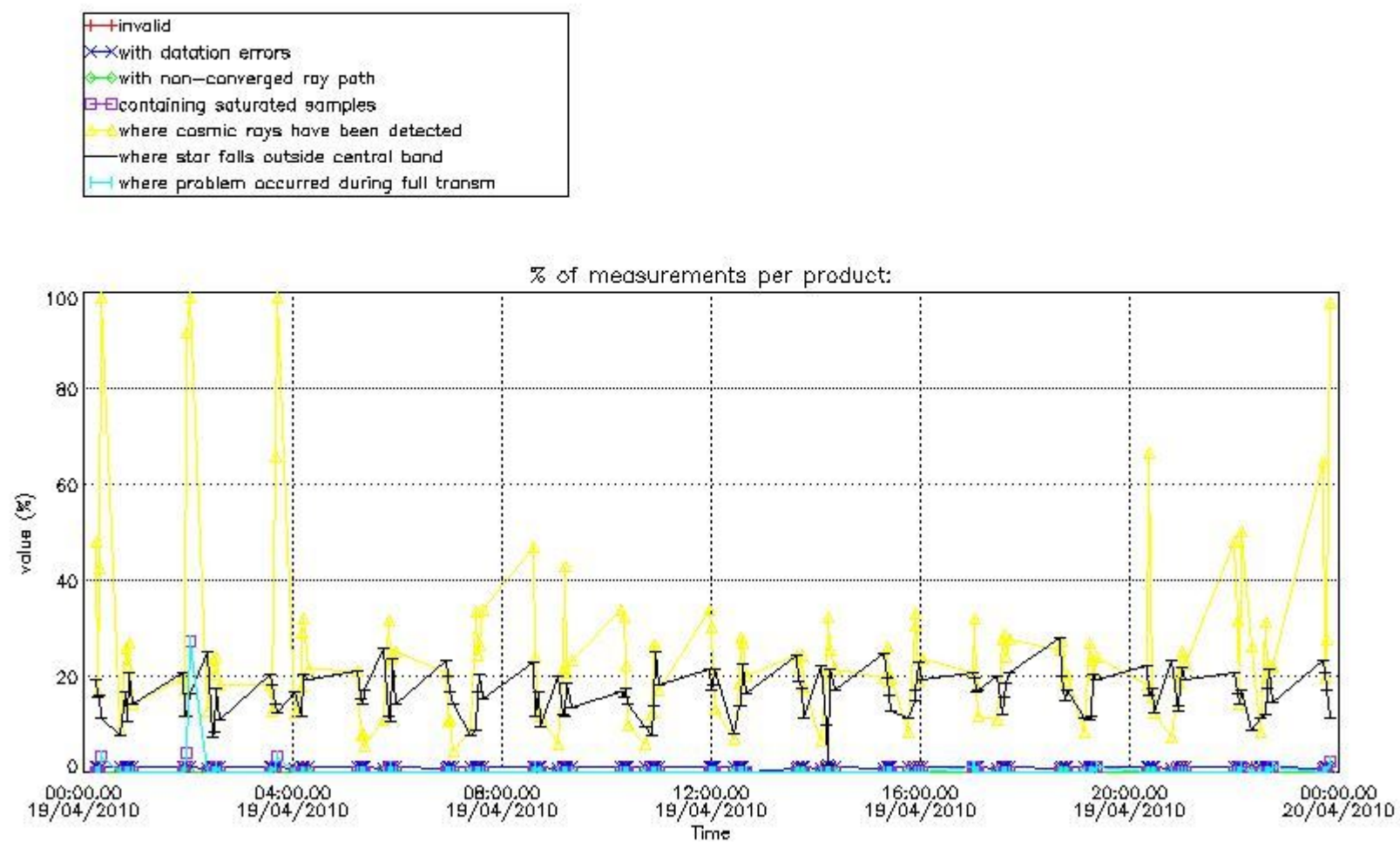


#### 4. Level 1 quality information per product

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.

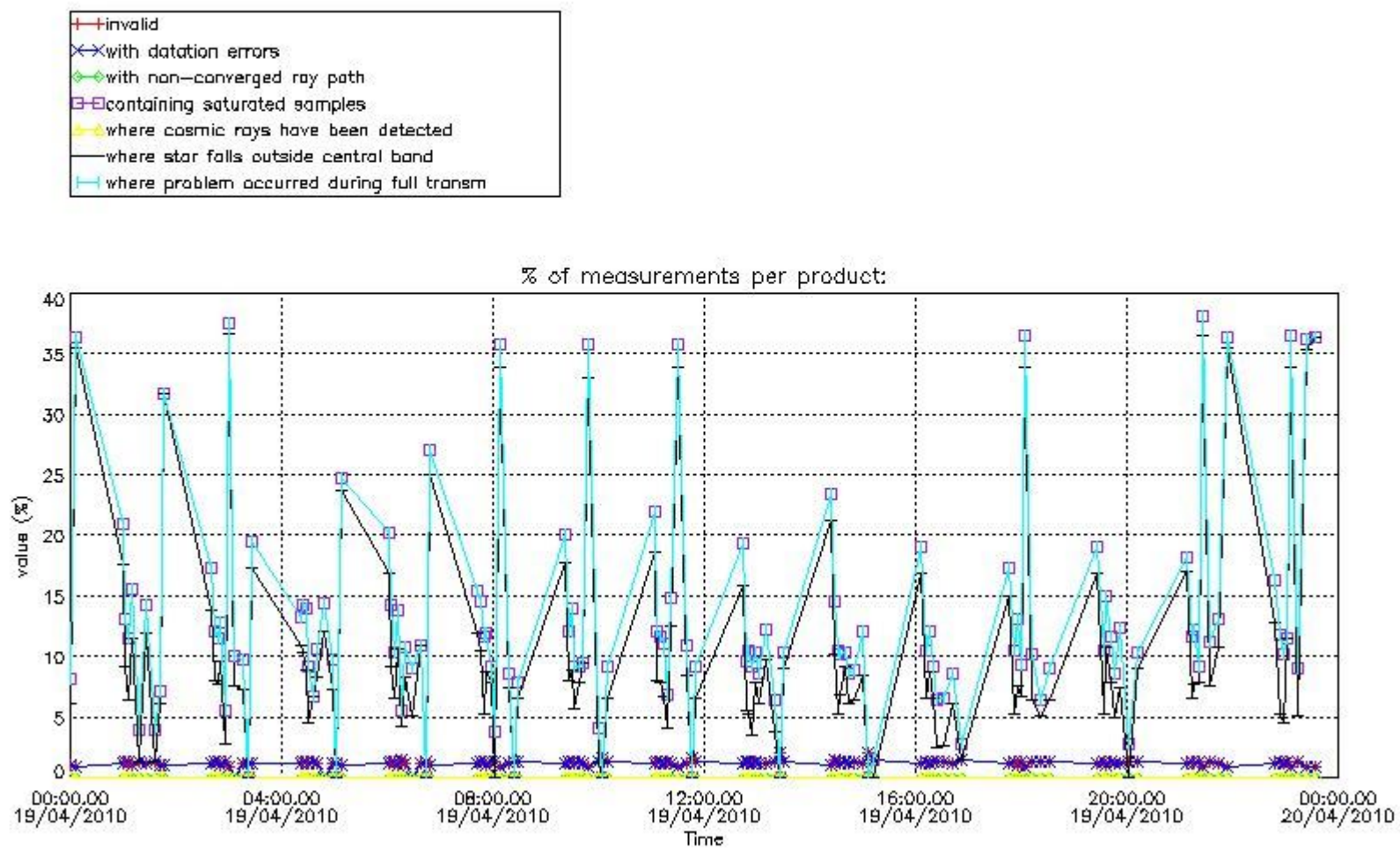
##### 4.1 Plot quality information per product (time dependant) coming from level 1b processing

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



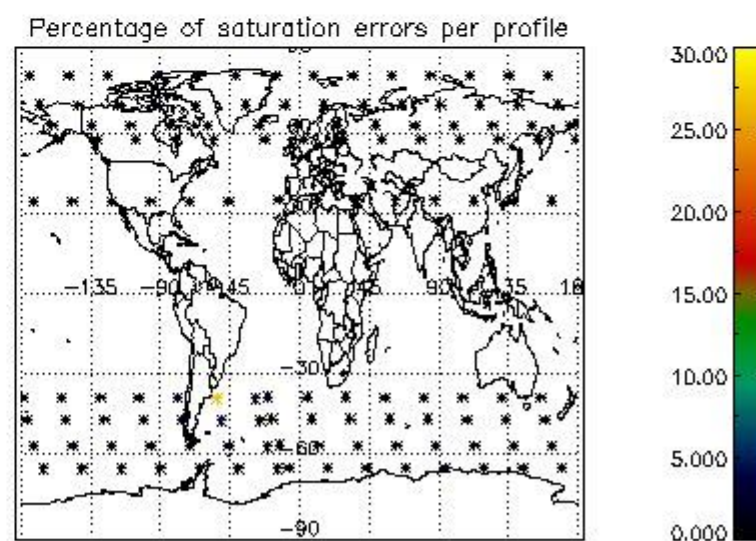
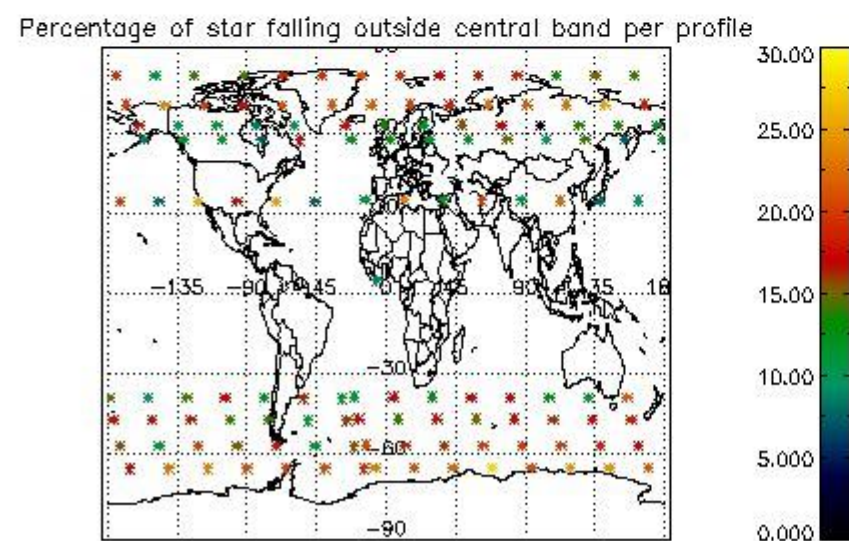
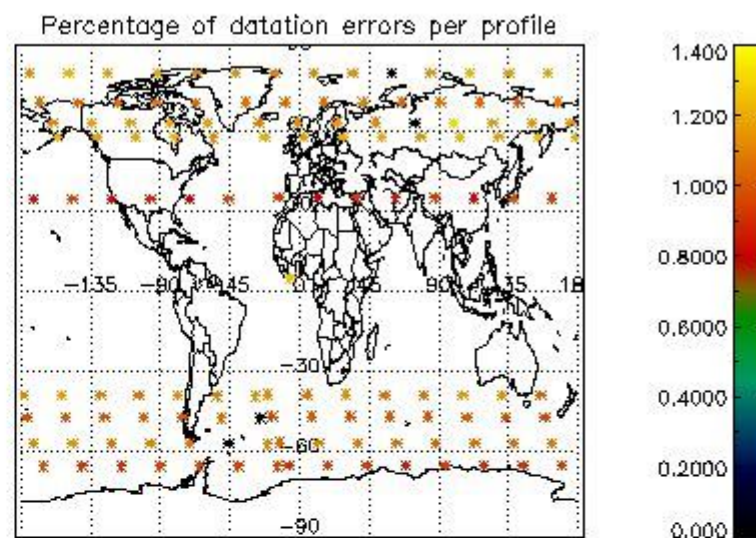
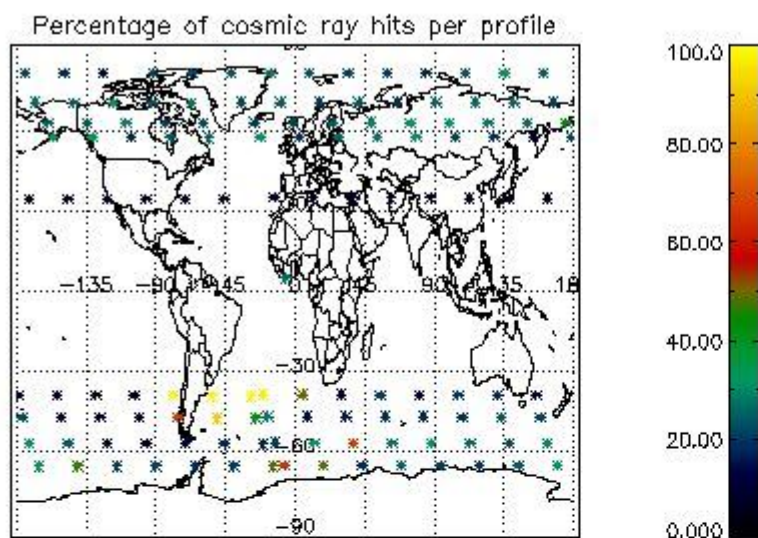
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes





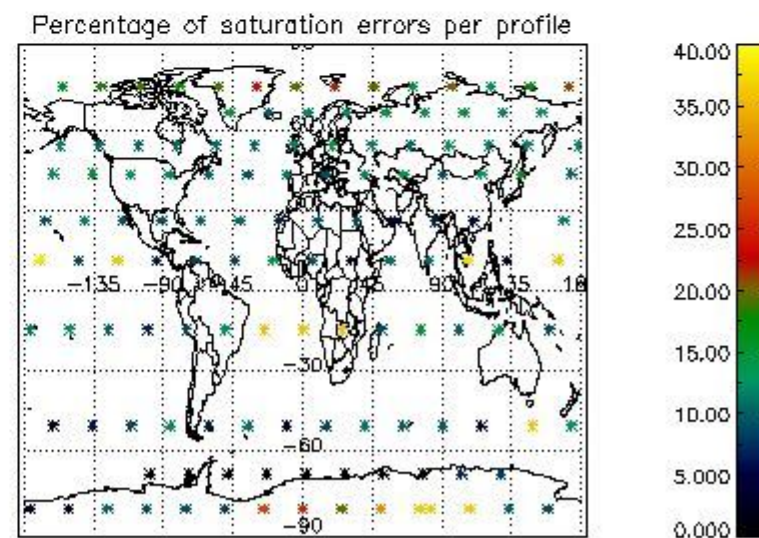
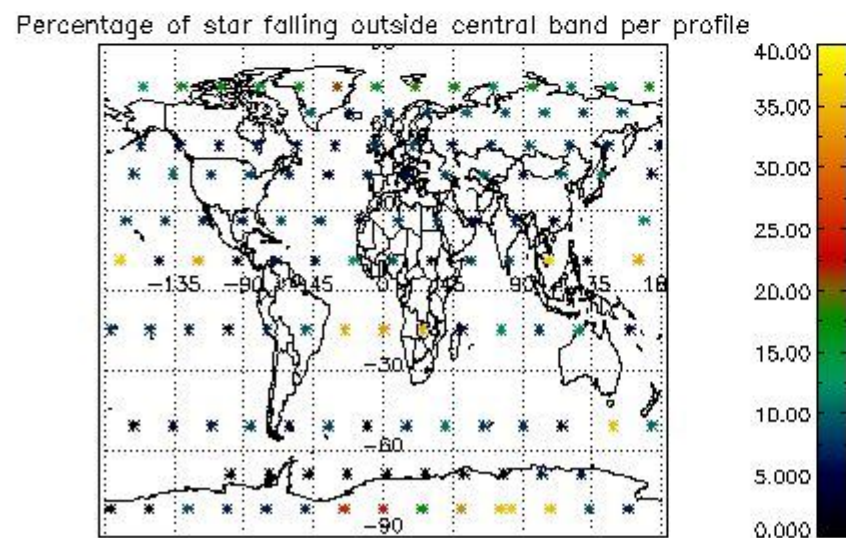
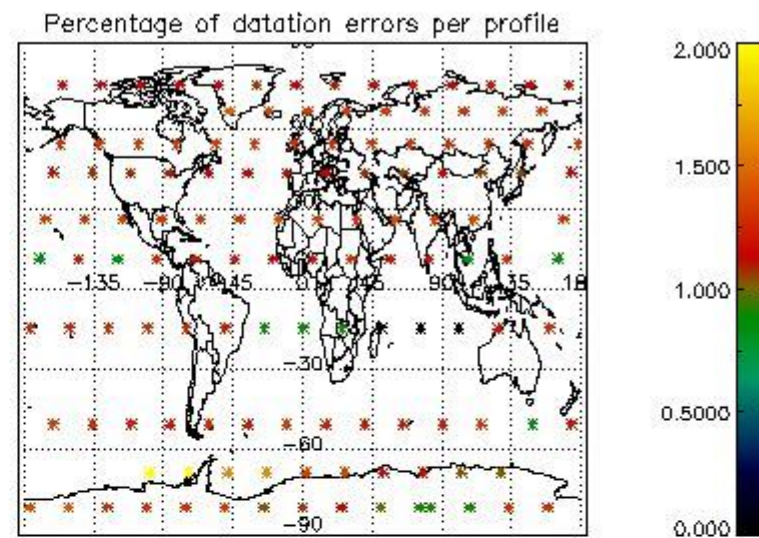
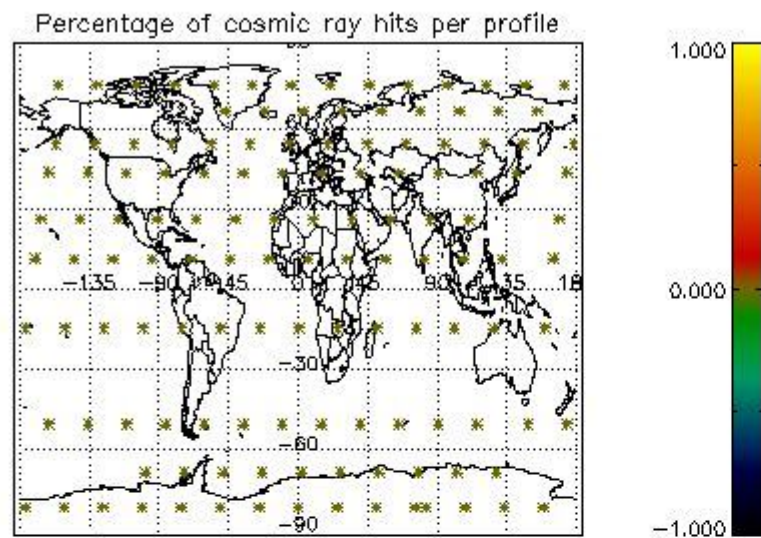
*4.2 Plot quality information per product coming from level 1b processing (world map)*

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



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

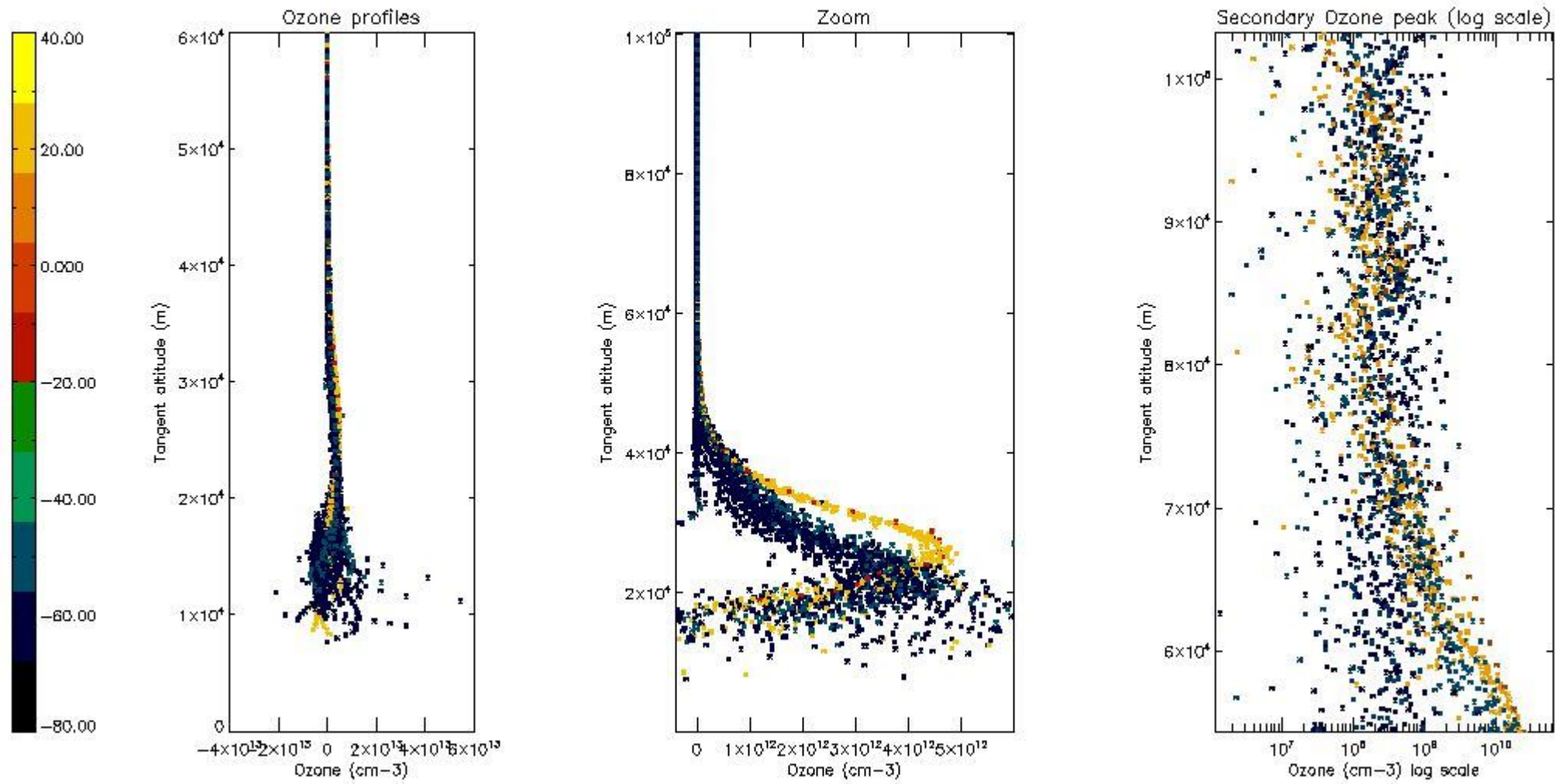
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	32
STD < 20	9

STD < 10	4
STD < 5	1

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

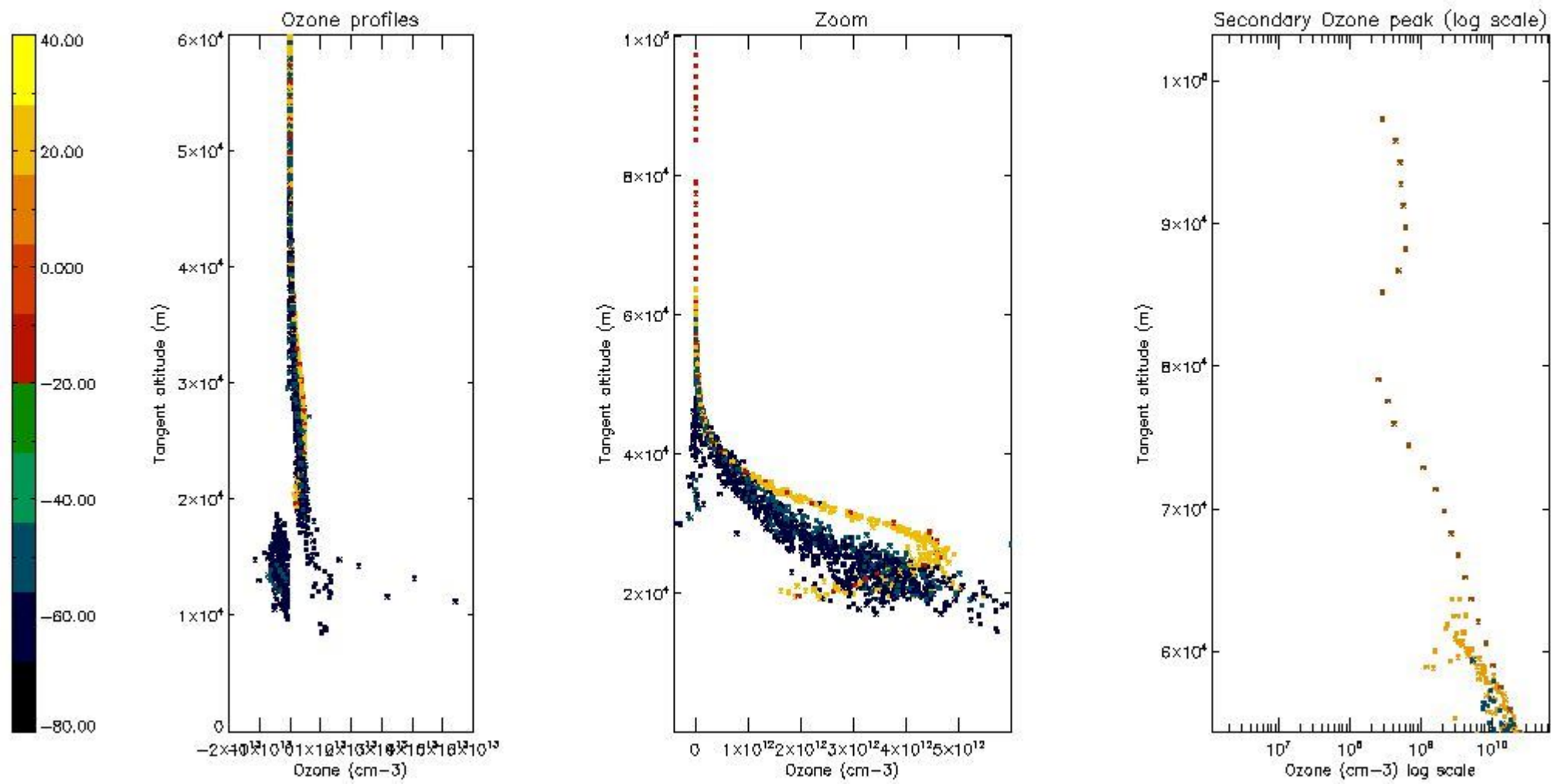
The colorbar represents the latitude.



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

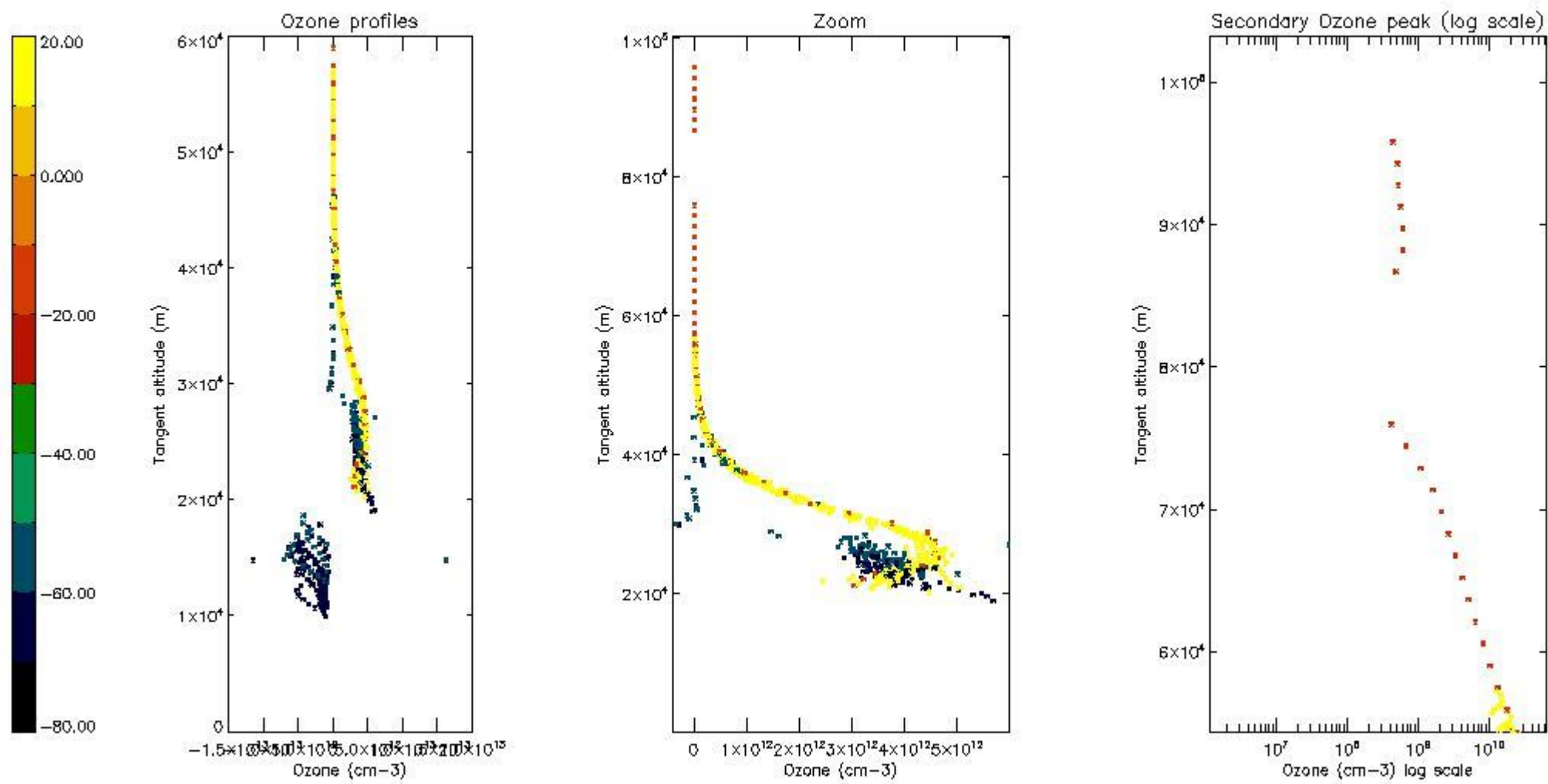
The colorbar represents the latitude.





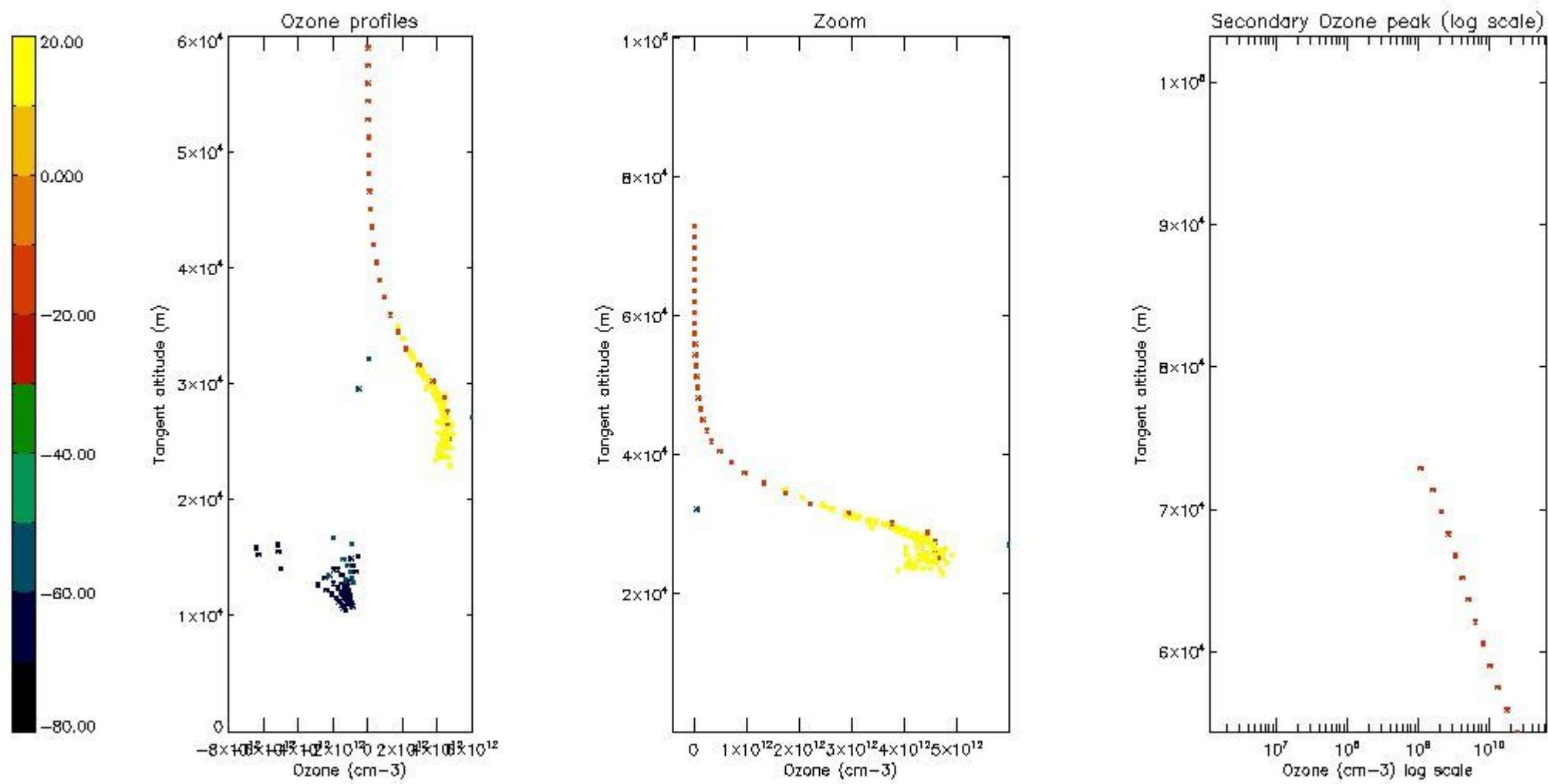
*5.4 Plot ozone profiles where STD < 10% (dark without errors)*

The colorbar represents the latitude.



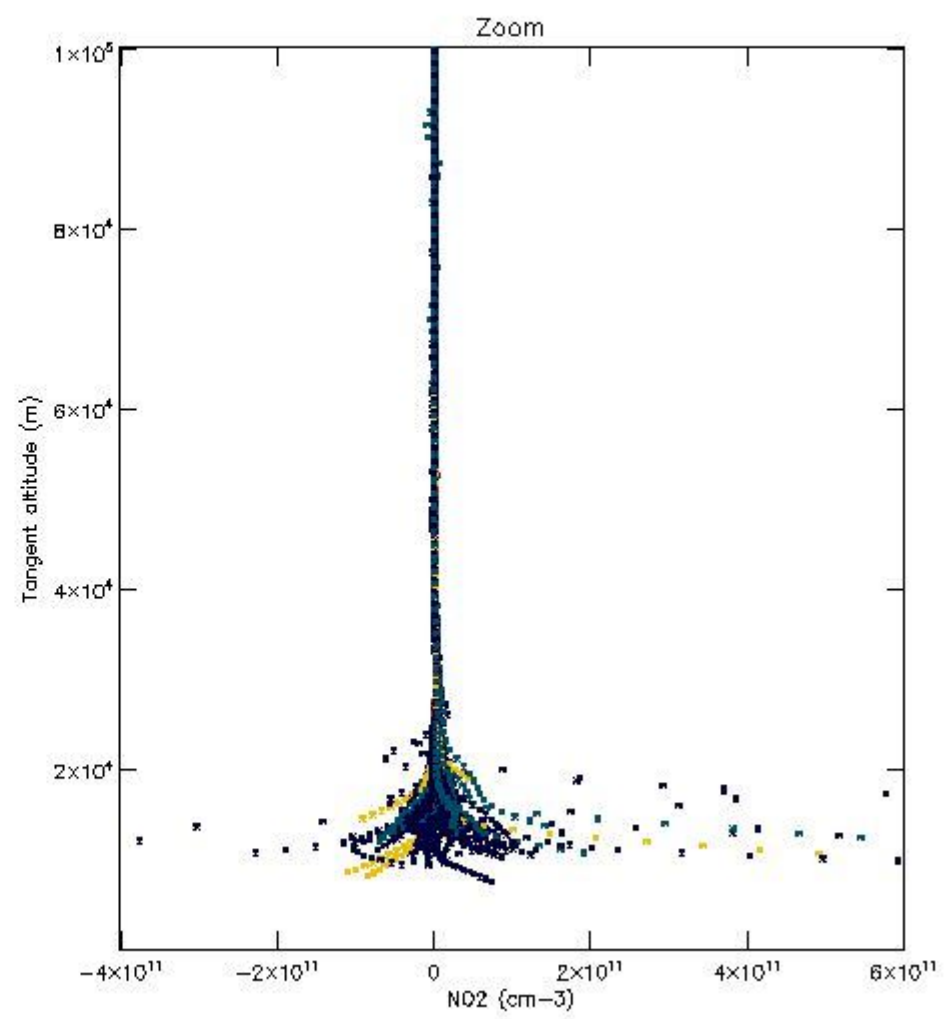
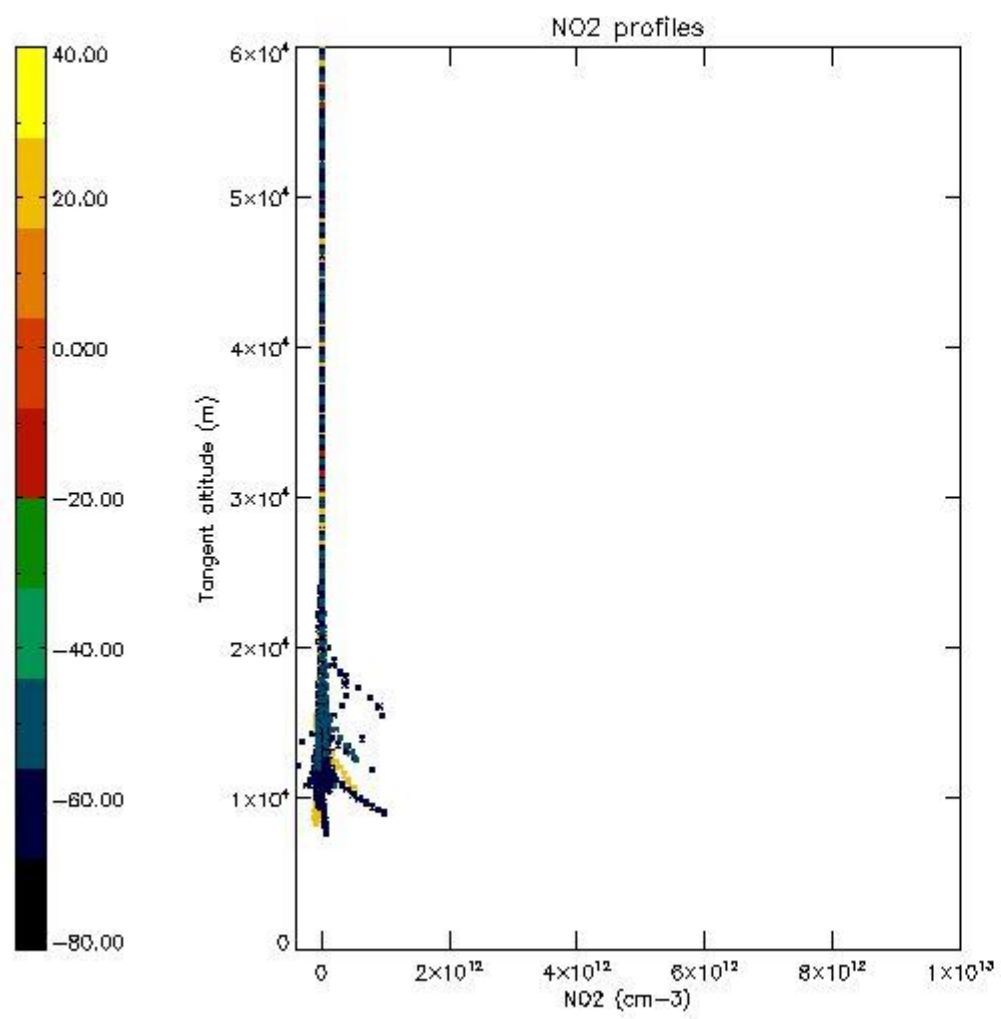
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



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

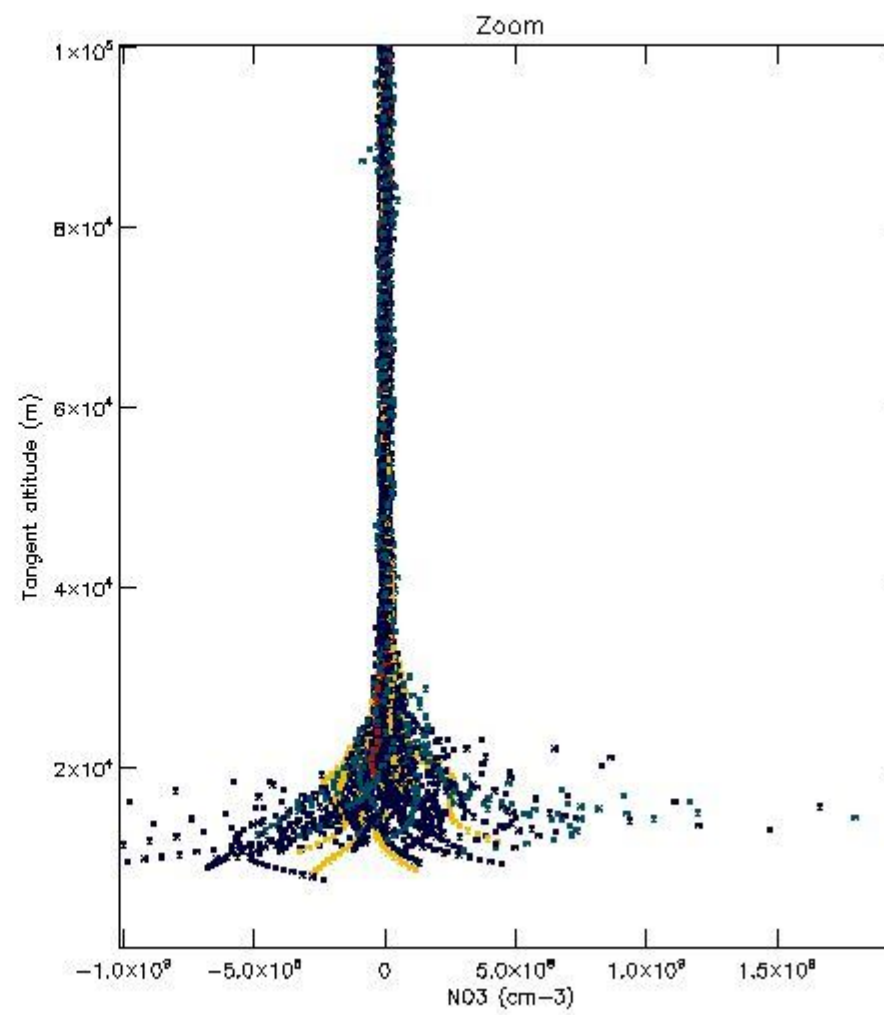
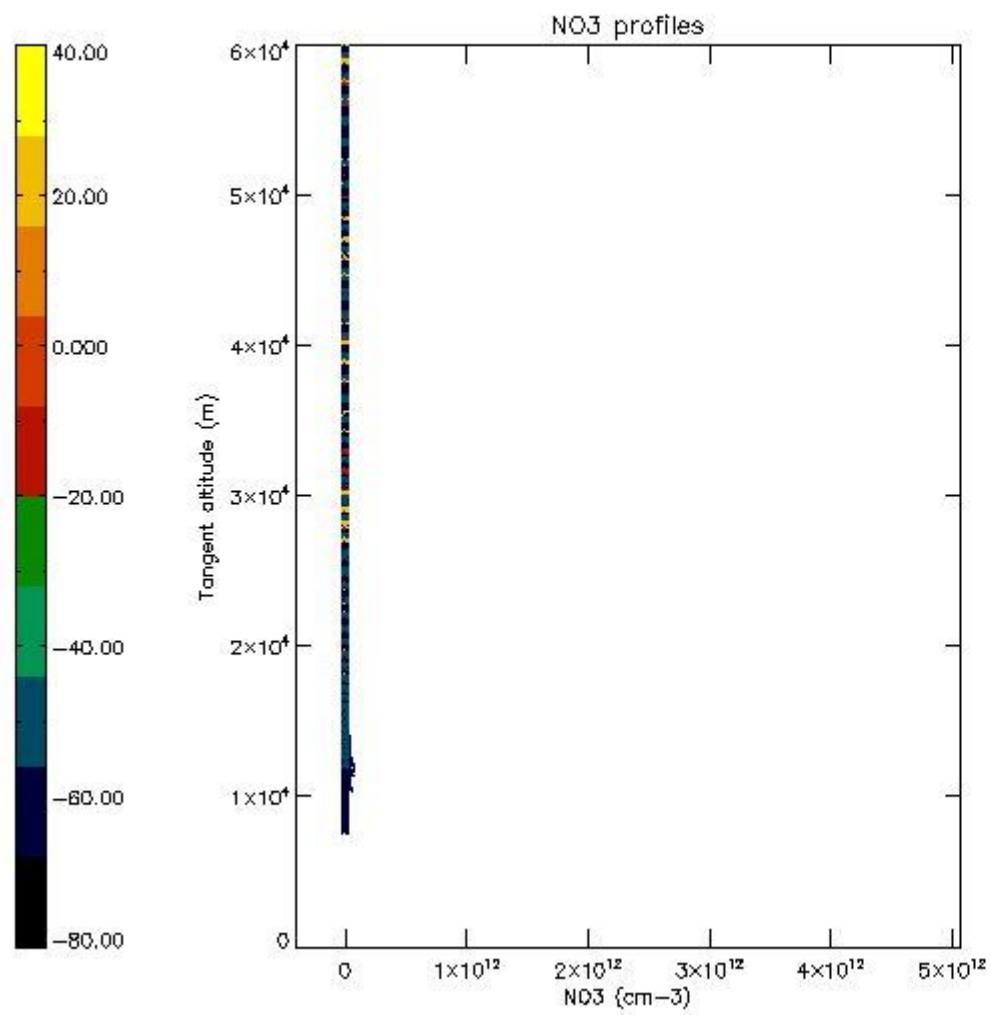
The colorbar represents the latitude.



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

The colorbar represents the latitude.

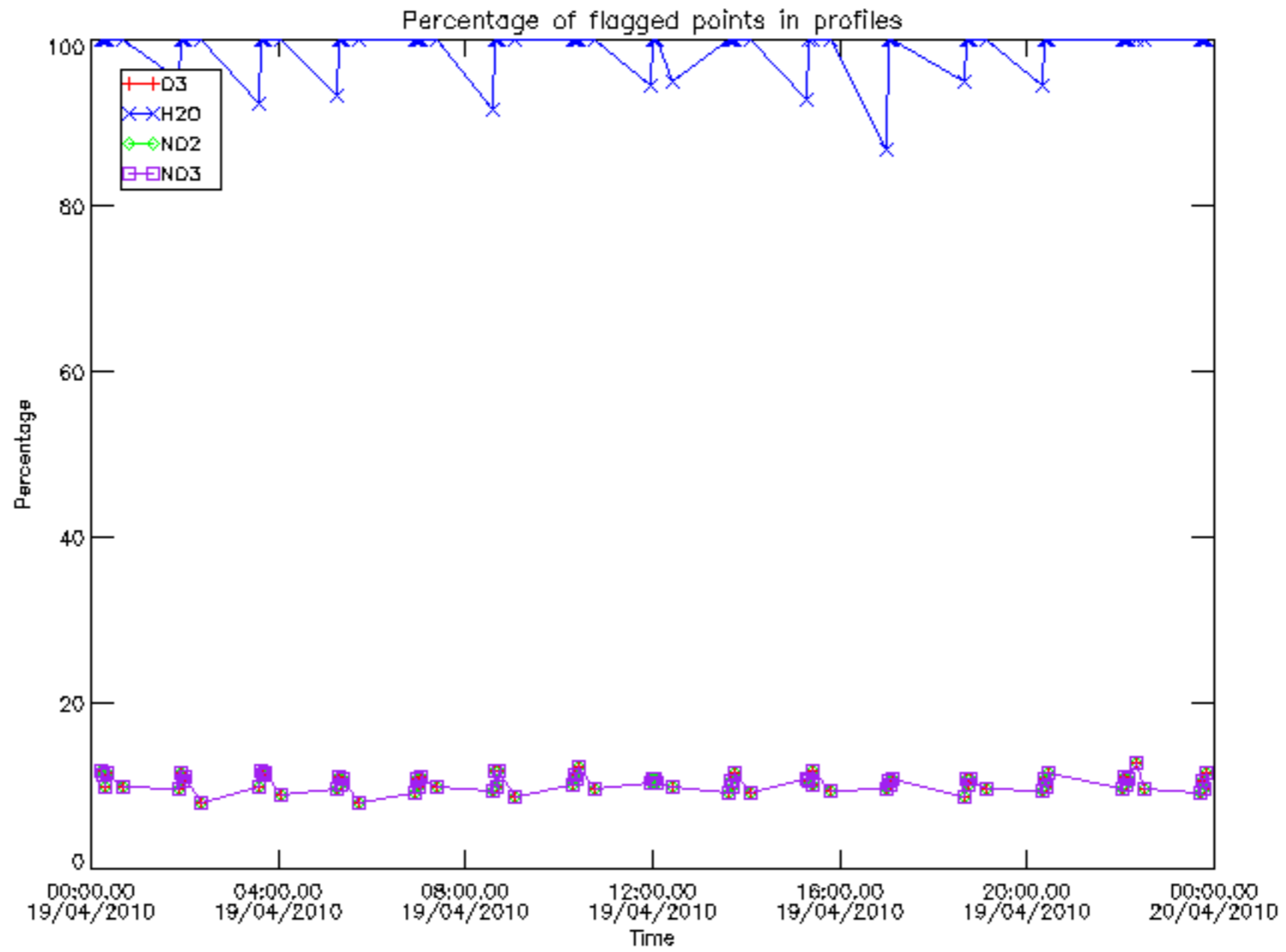




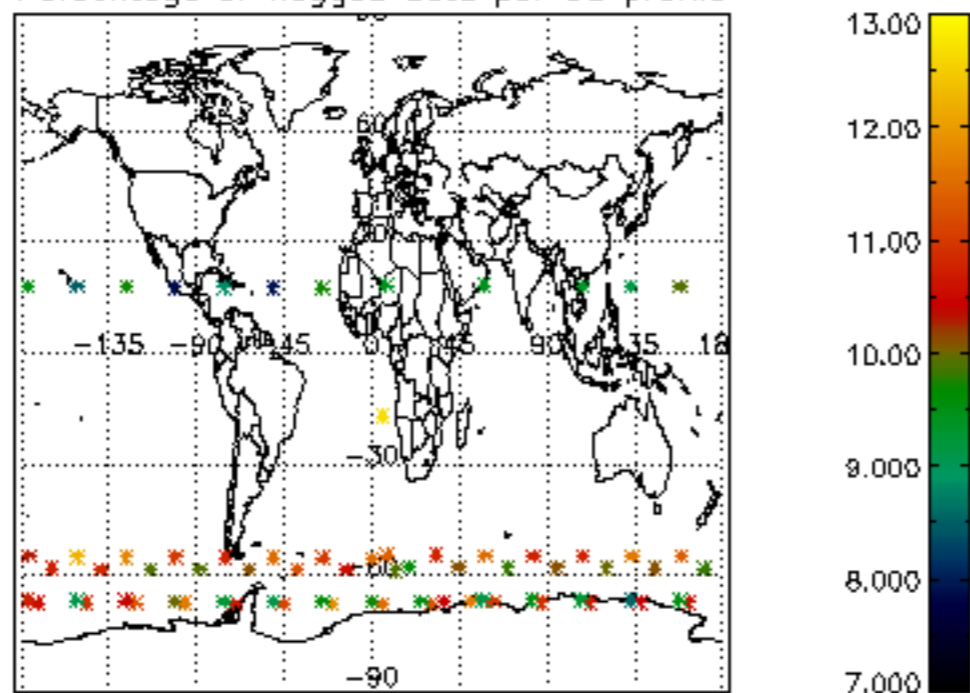
## 6. Auxiliary Data Files used for the production reported in section 2

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.

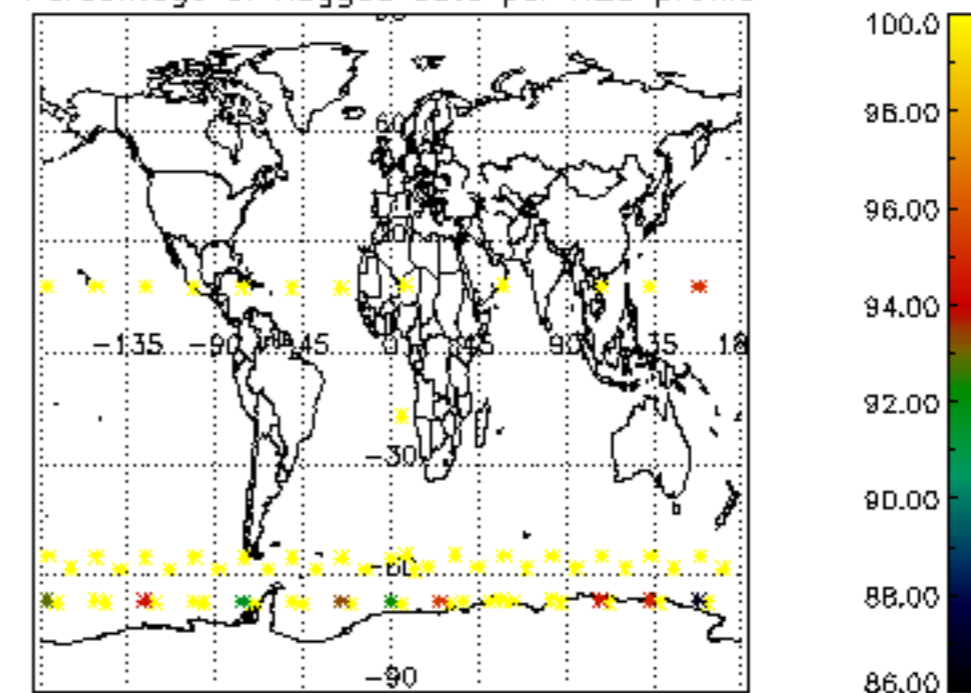
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	19-APR-2010 00:00:51
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	19-APR-2010 00:00:51
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	19-APR-2010 00:00:51



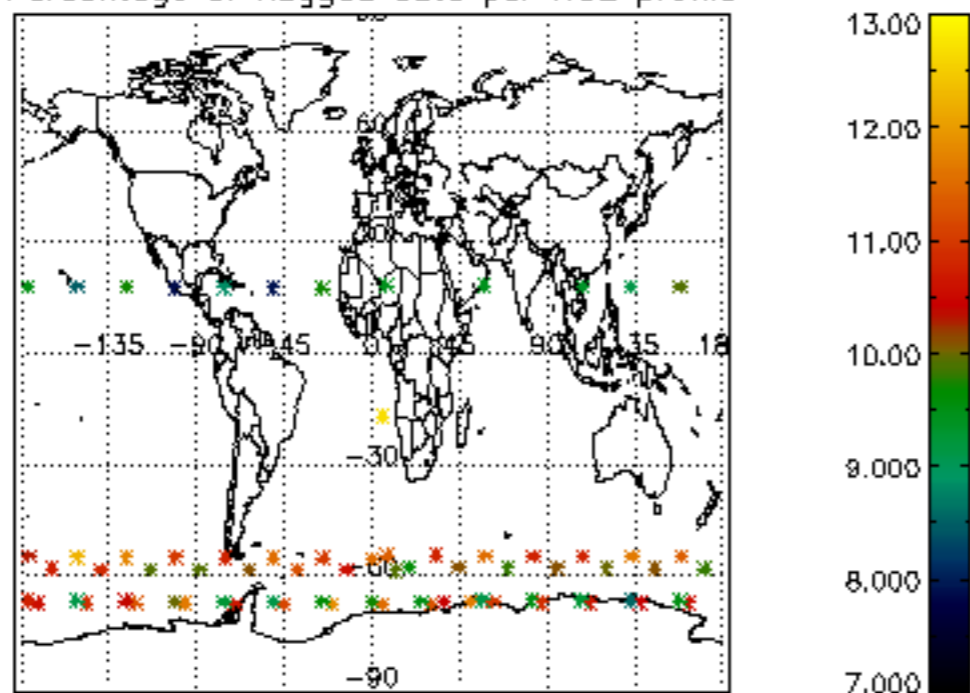
Percentage of flagged data per D3 profile



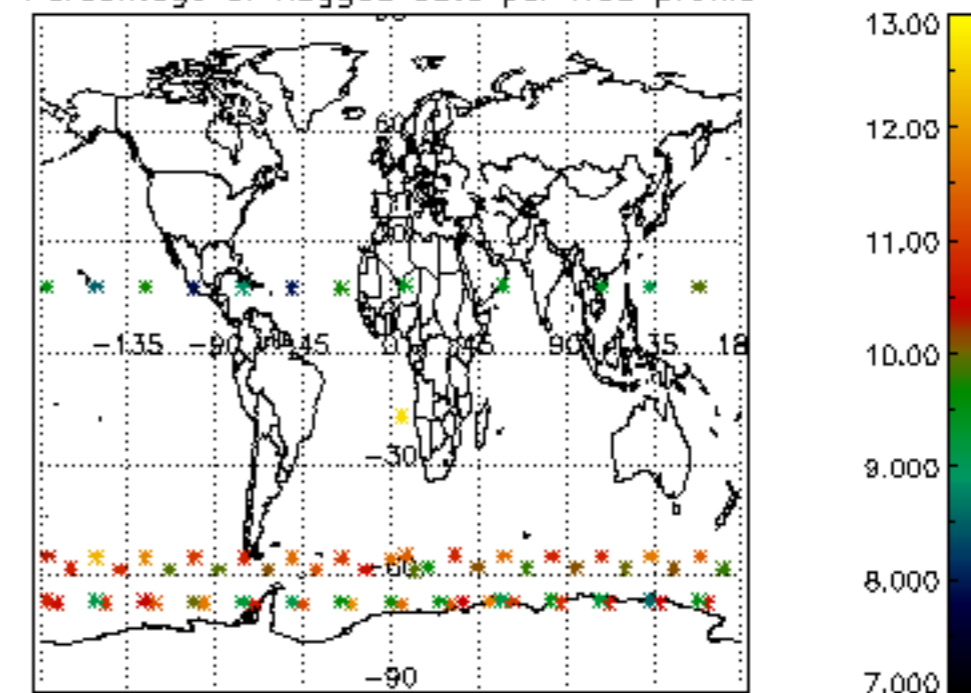
Percentage of flagged data per H2O profile

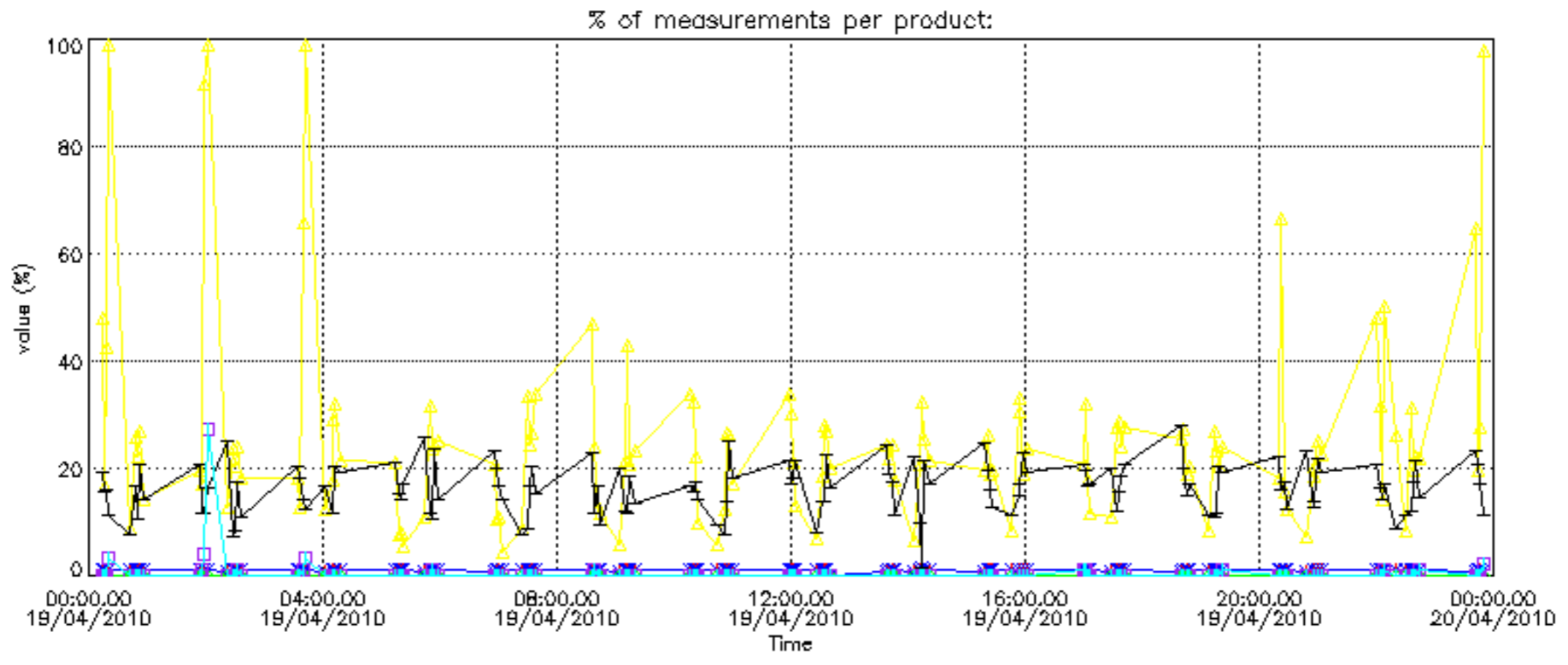


Percentage of flagged data per NO2 profile

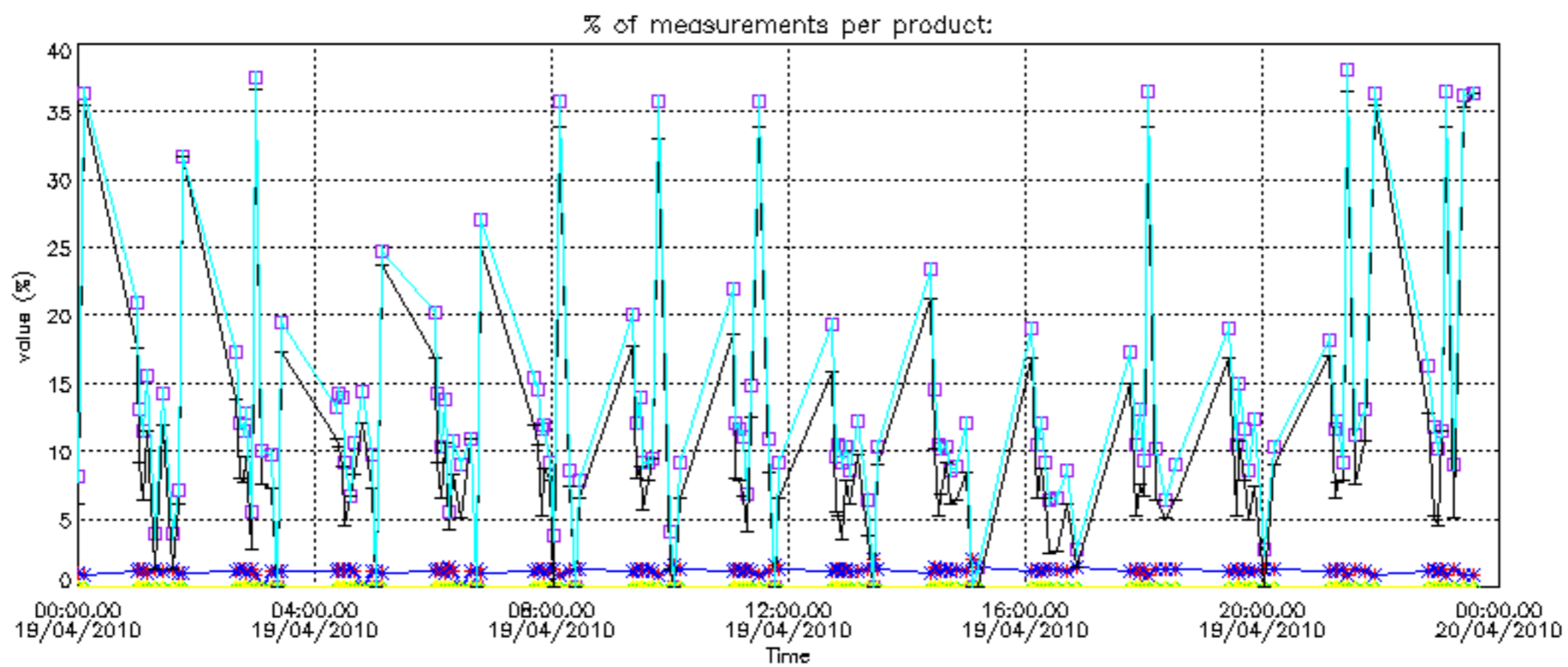


Percentage of flagged data per NO3 profile

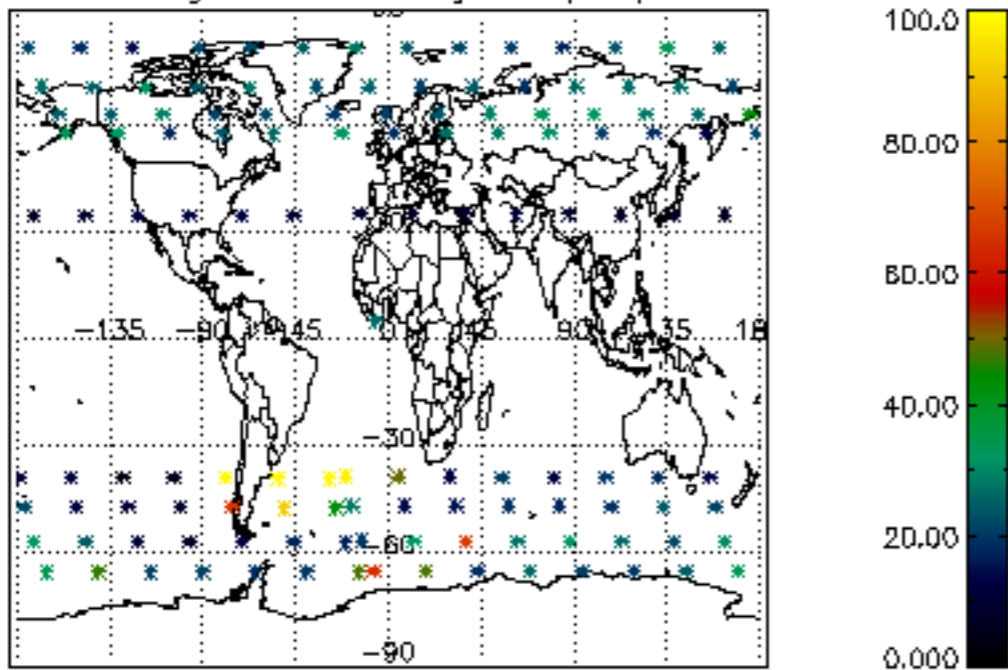




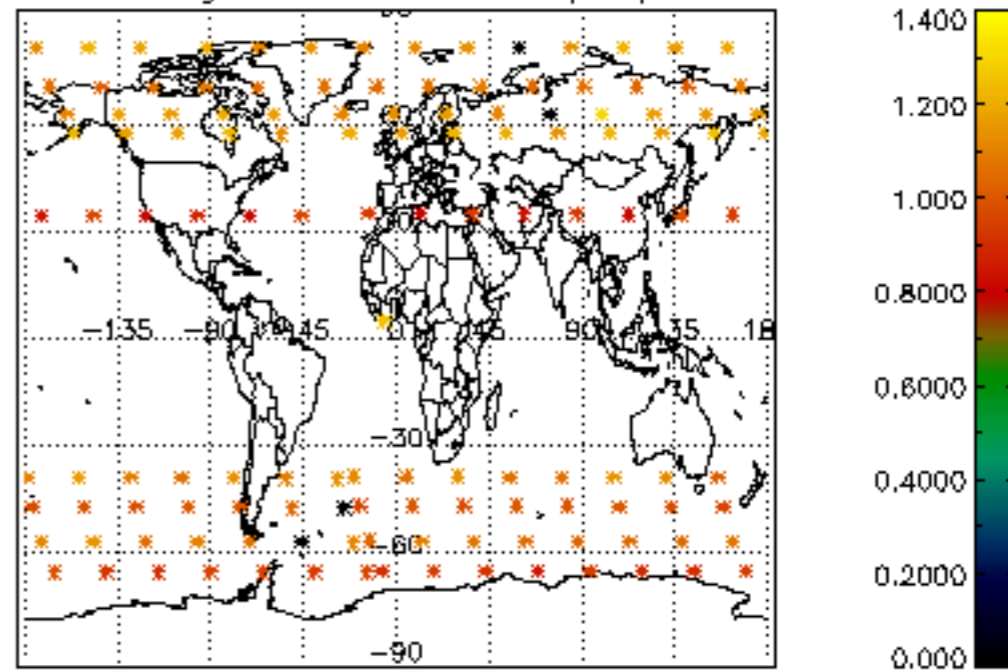




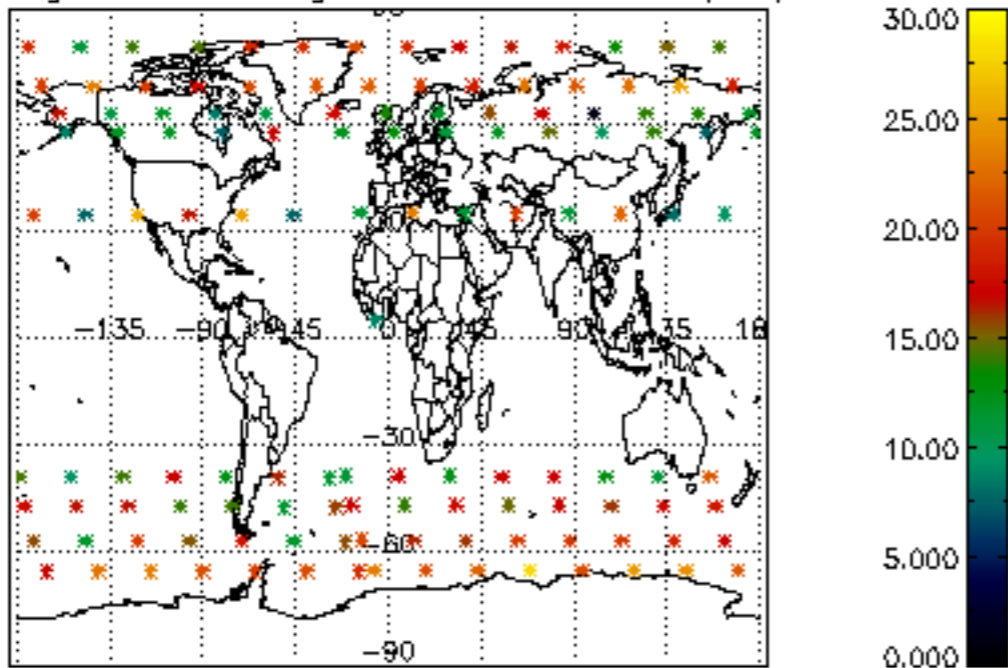
Percentage of cosmic ray hits per profile



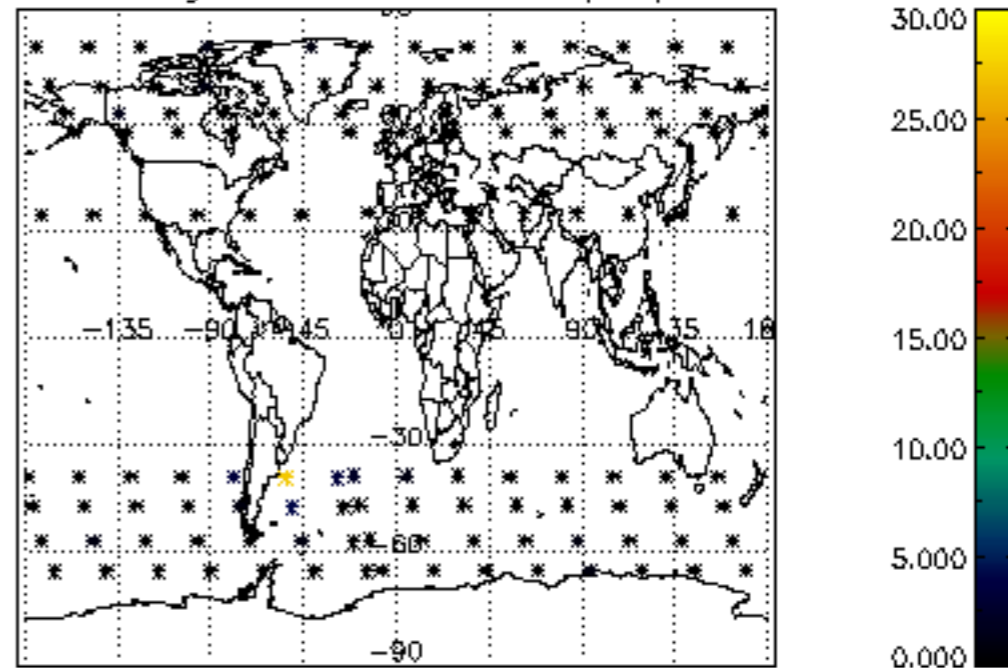
Percentage of datation errors per profile



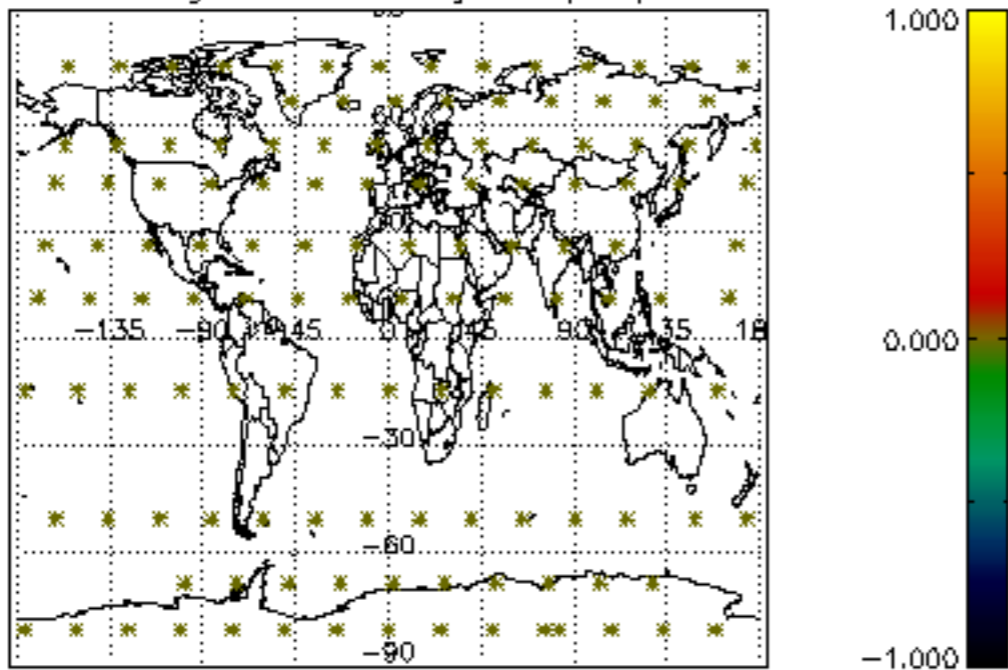
Percentage of star falling outside central band per profile



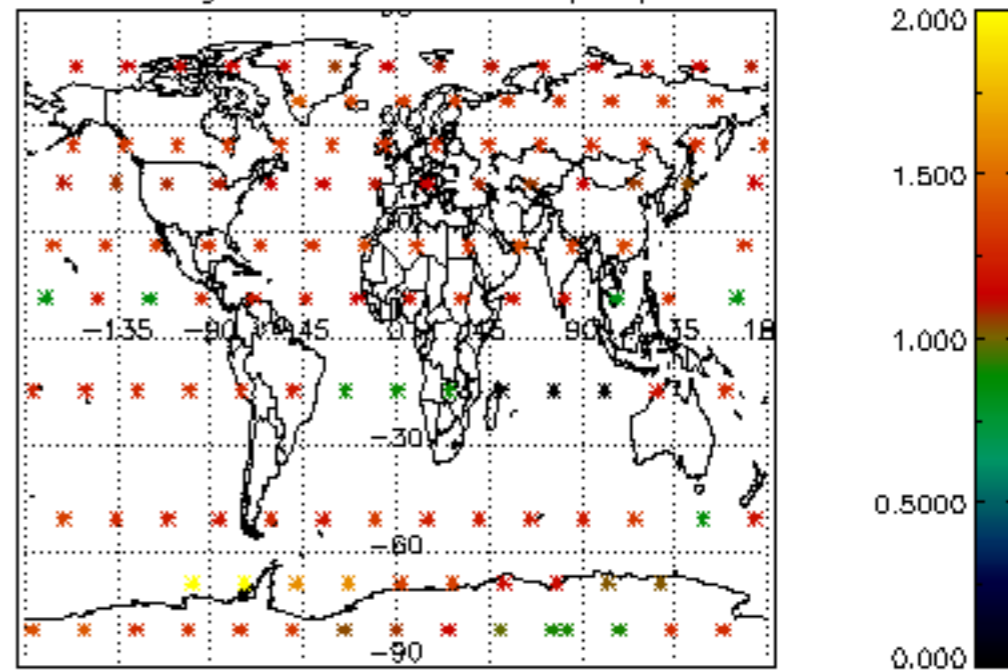
Percentage of saturation errors per profile



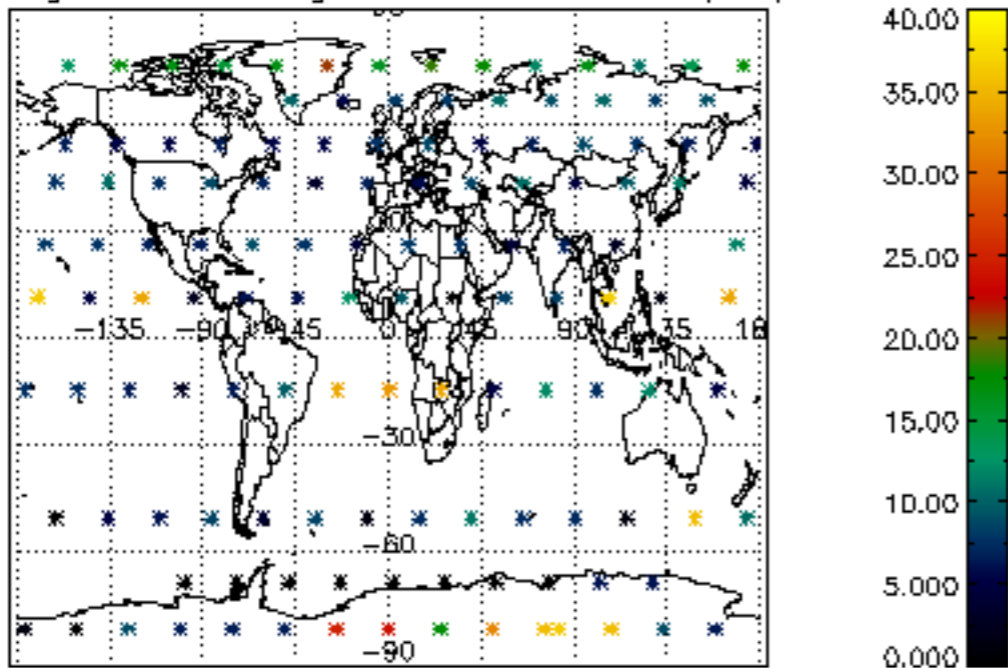
Percentage of cosmic ray hits per profile



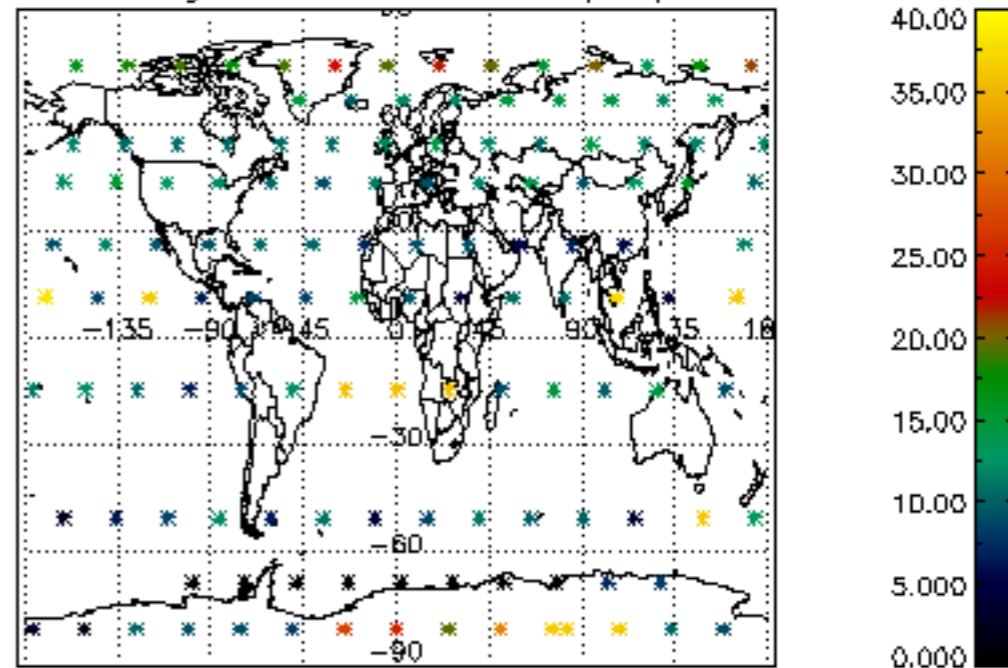
Percentage of datation errors per profile



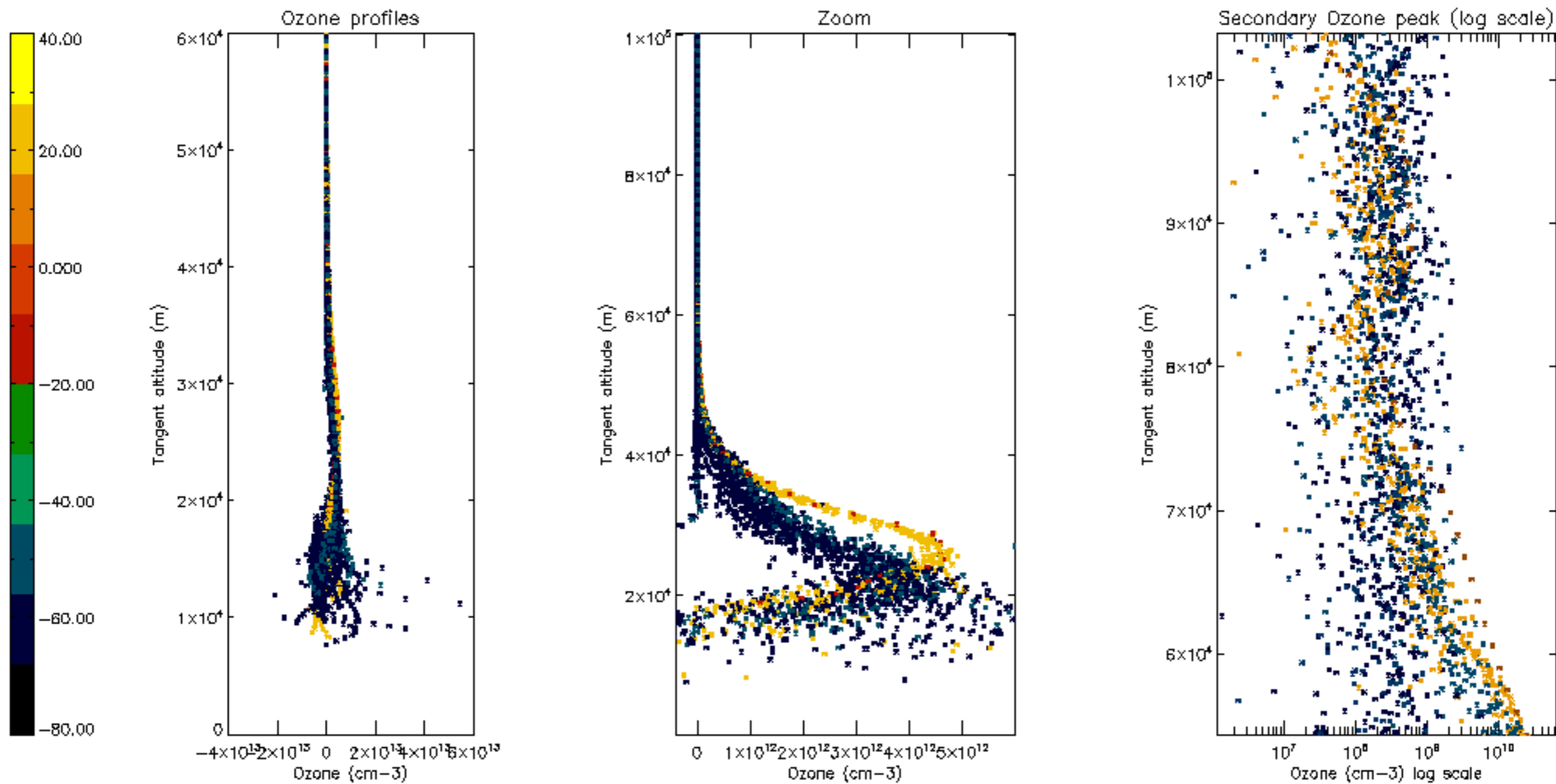
Percentage of star falling outside central band per profile

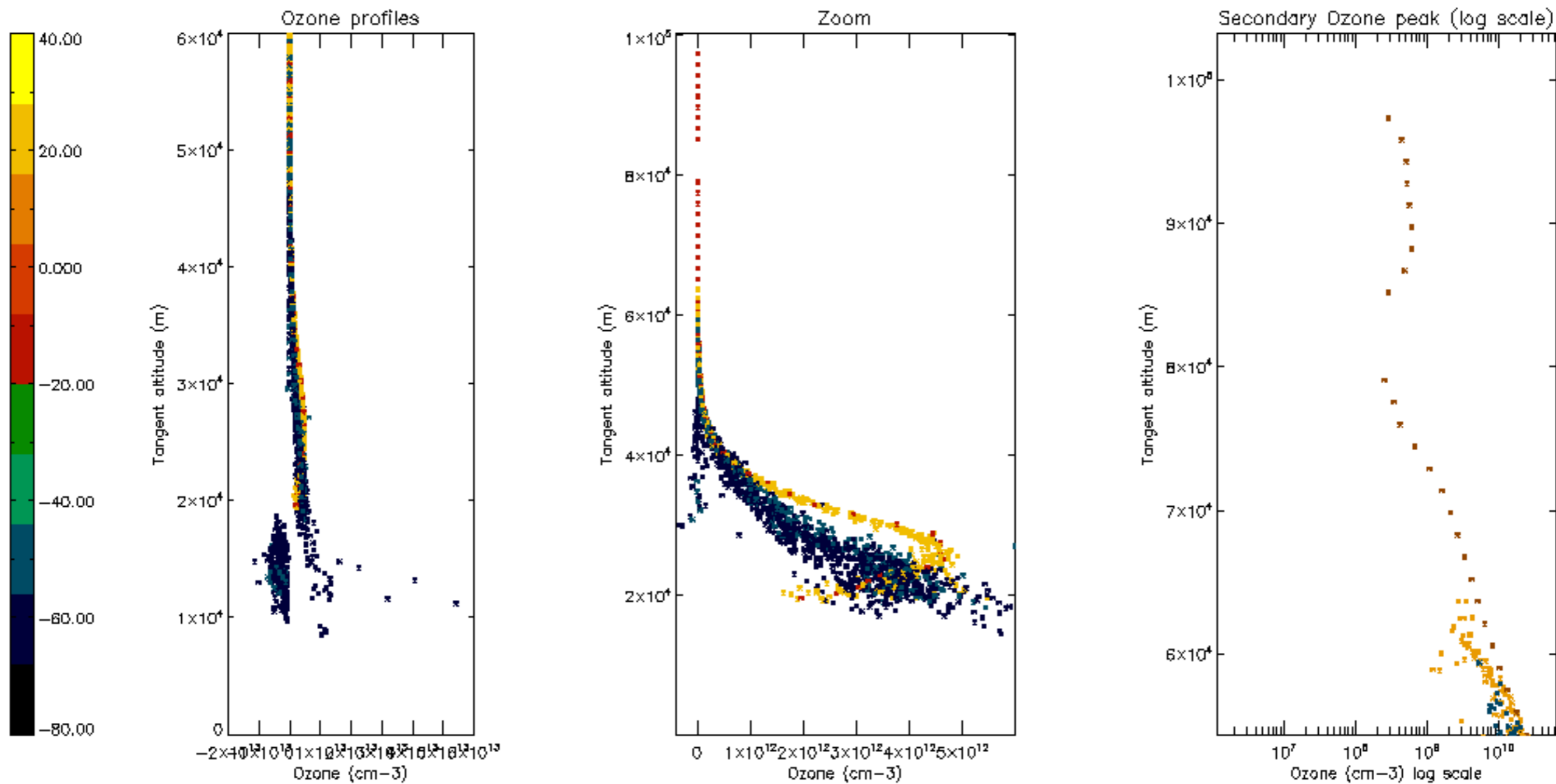


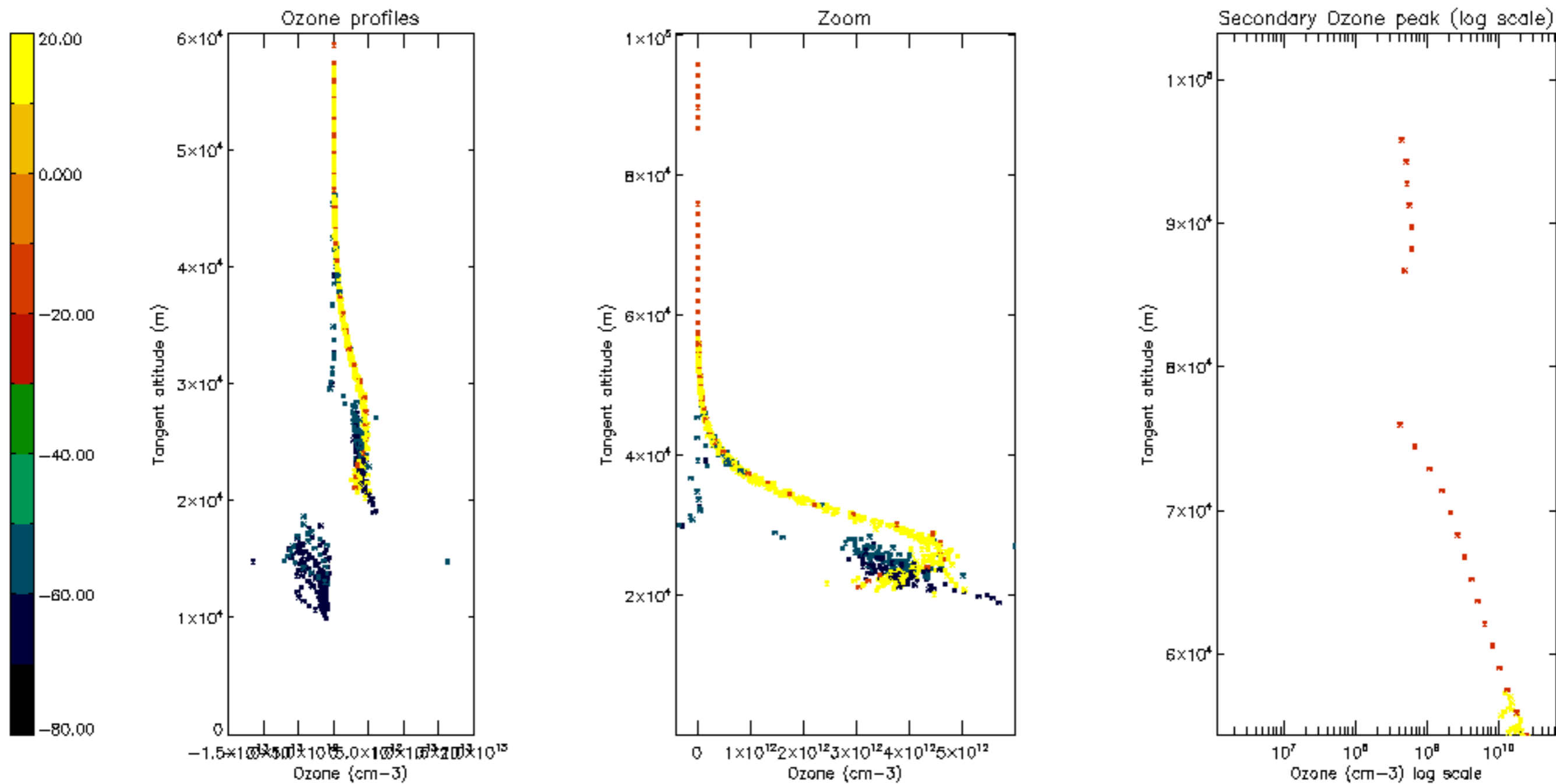
Percentage of saturation errors per profile

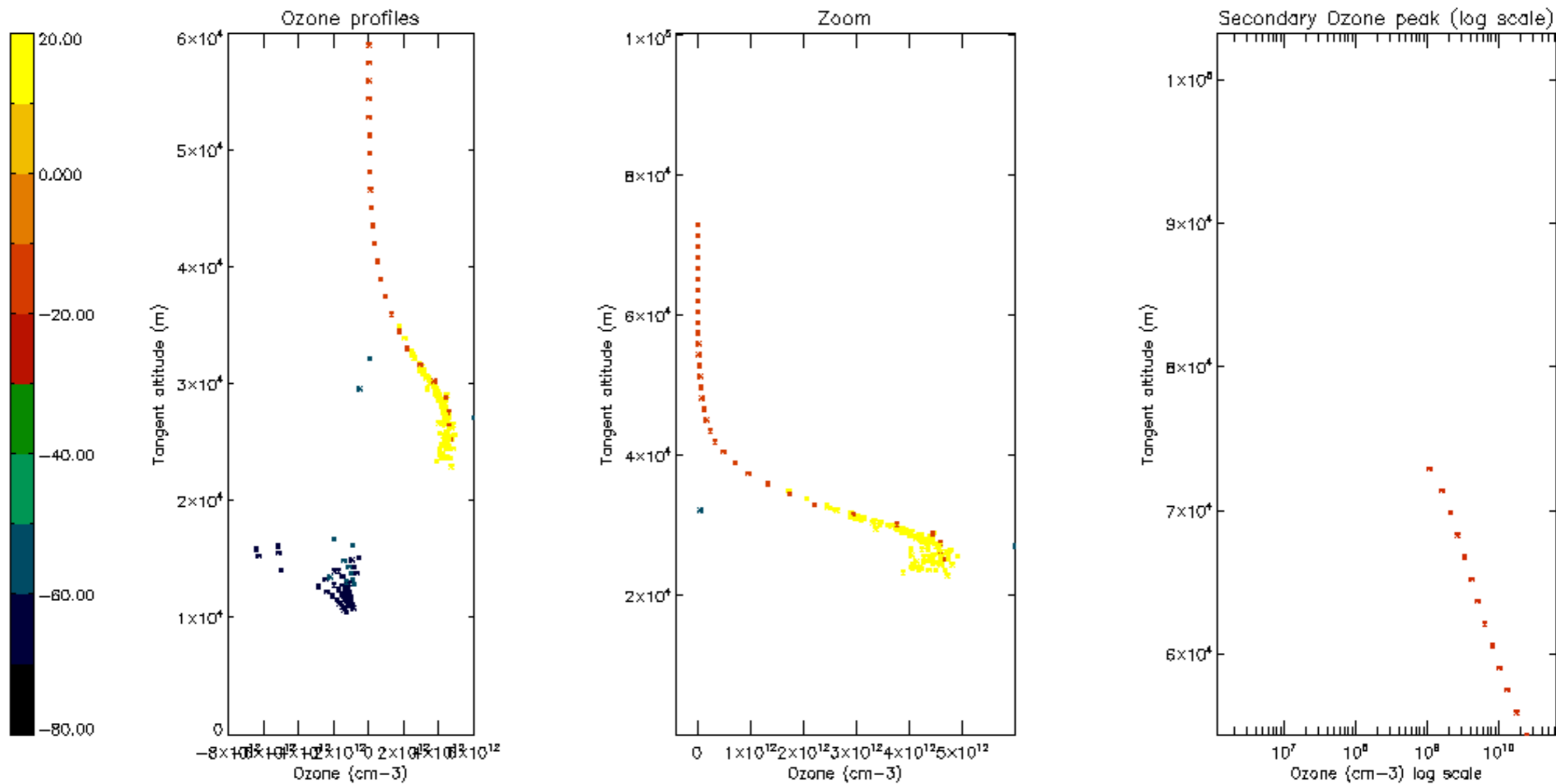




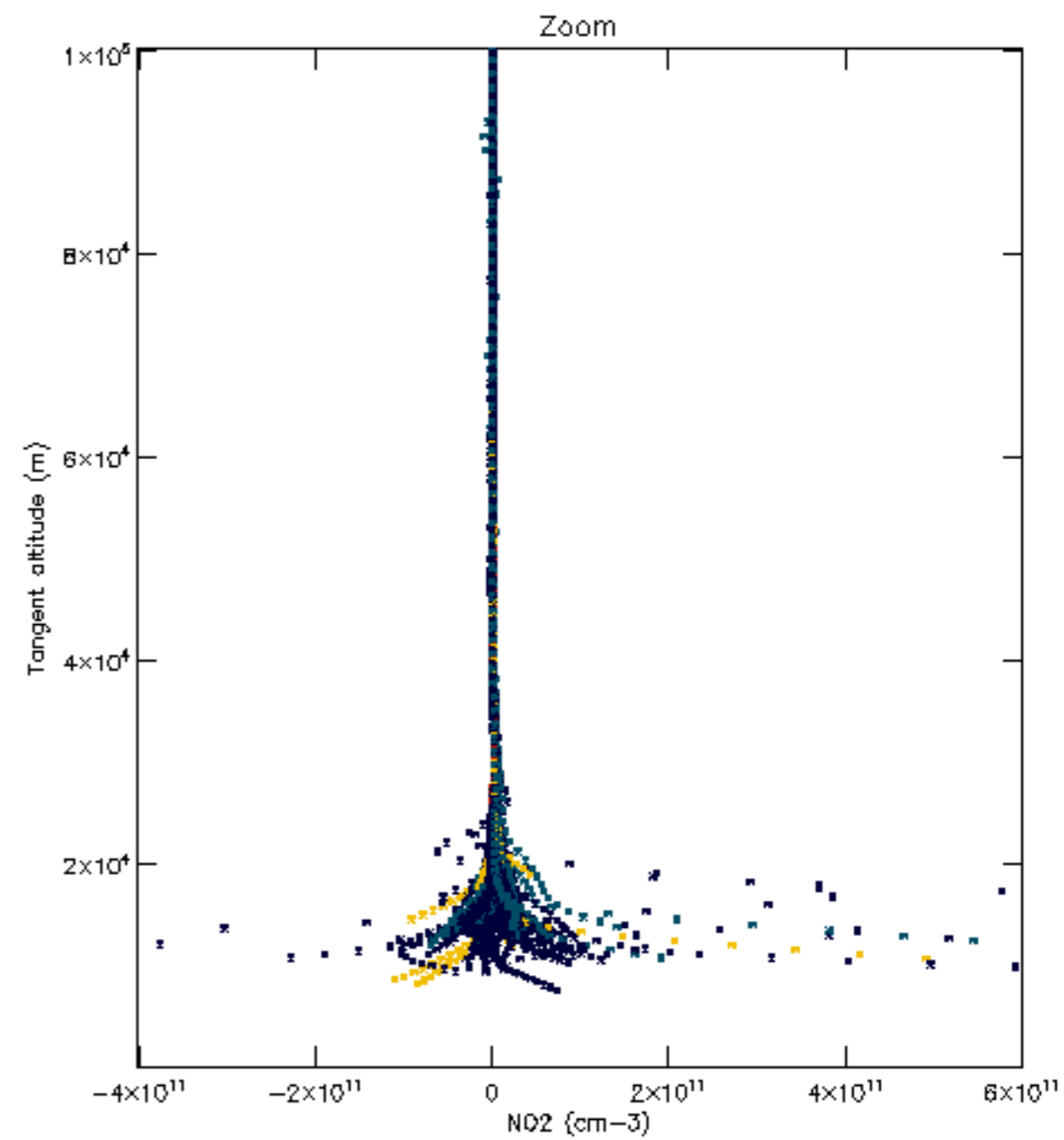
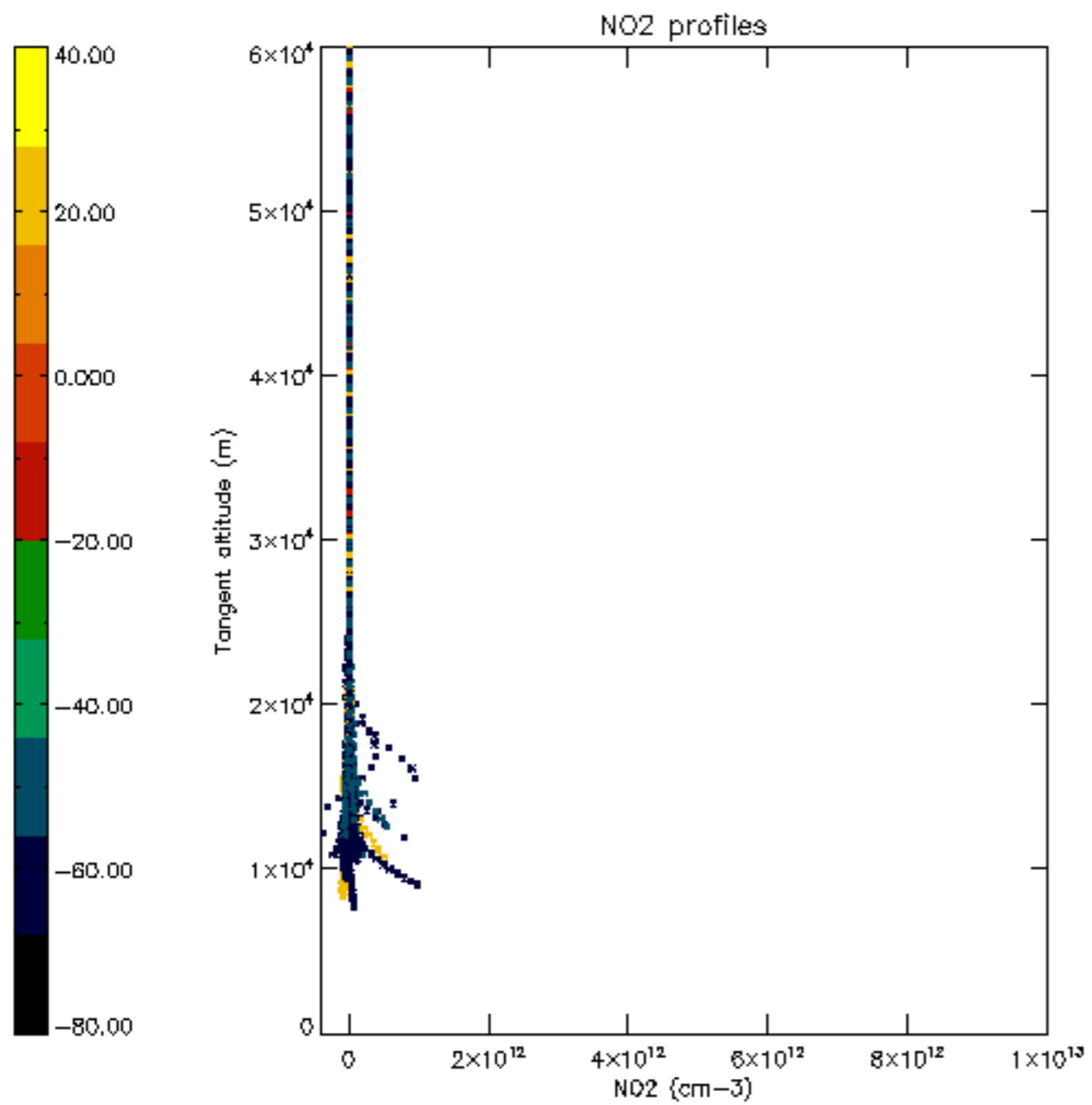


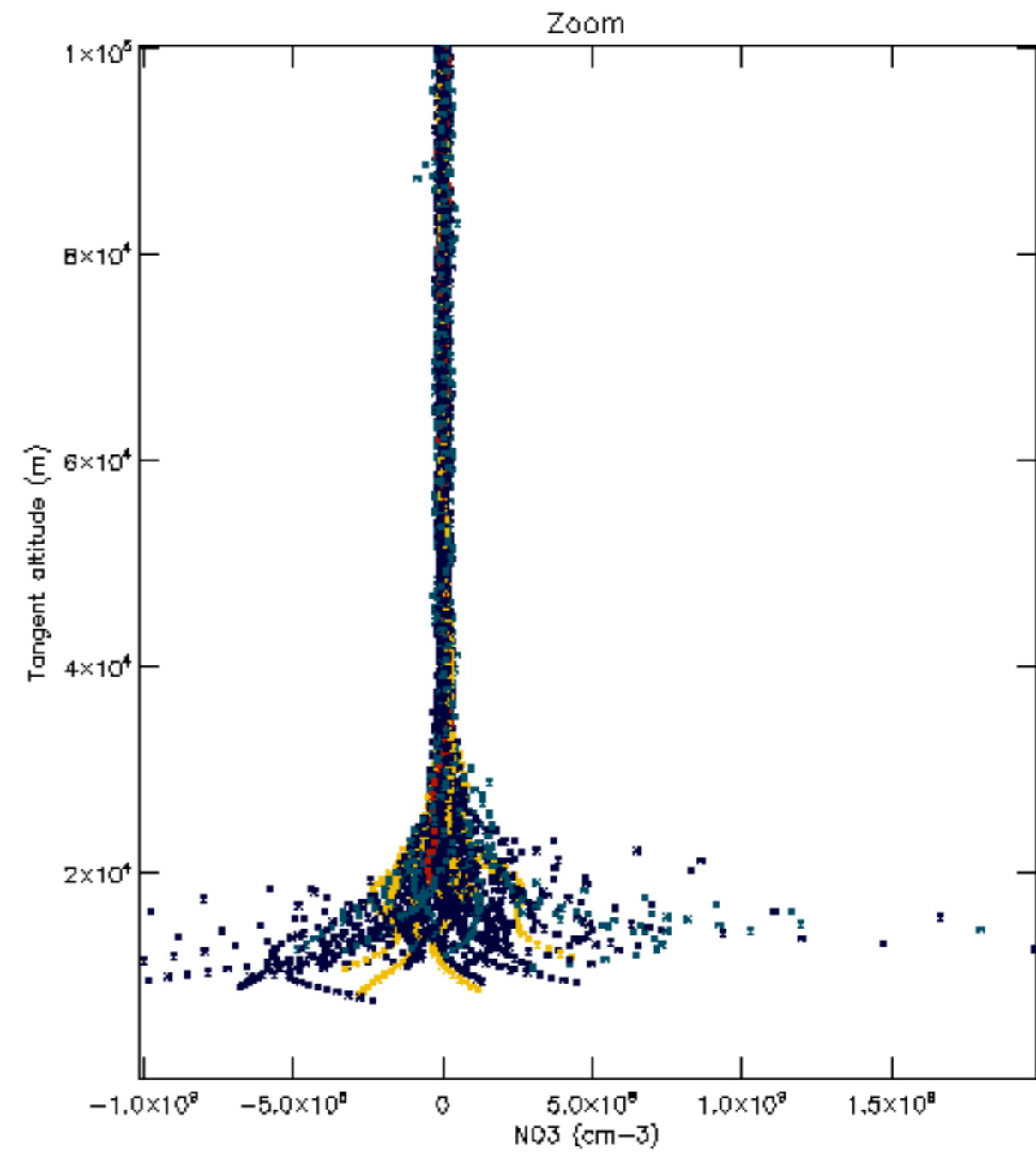
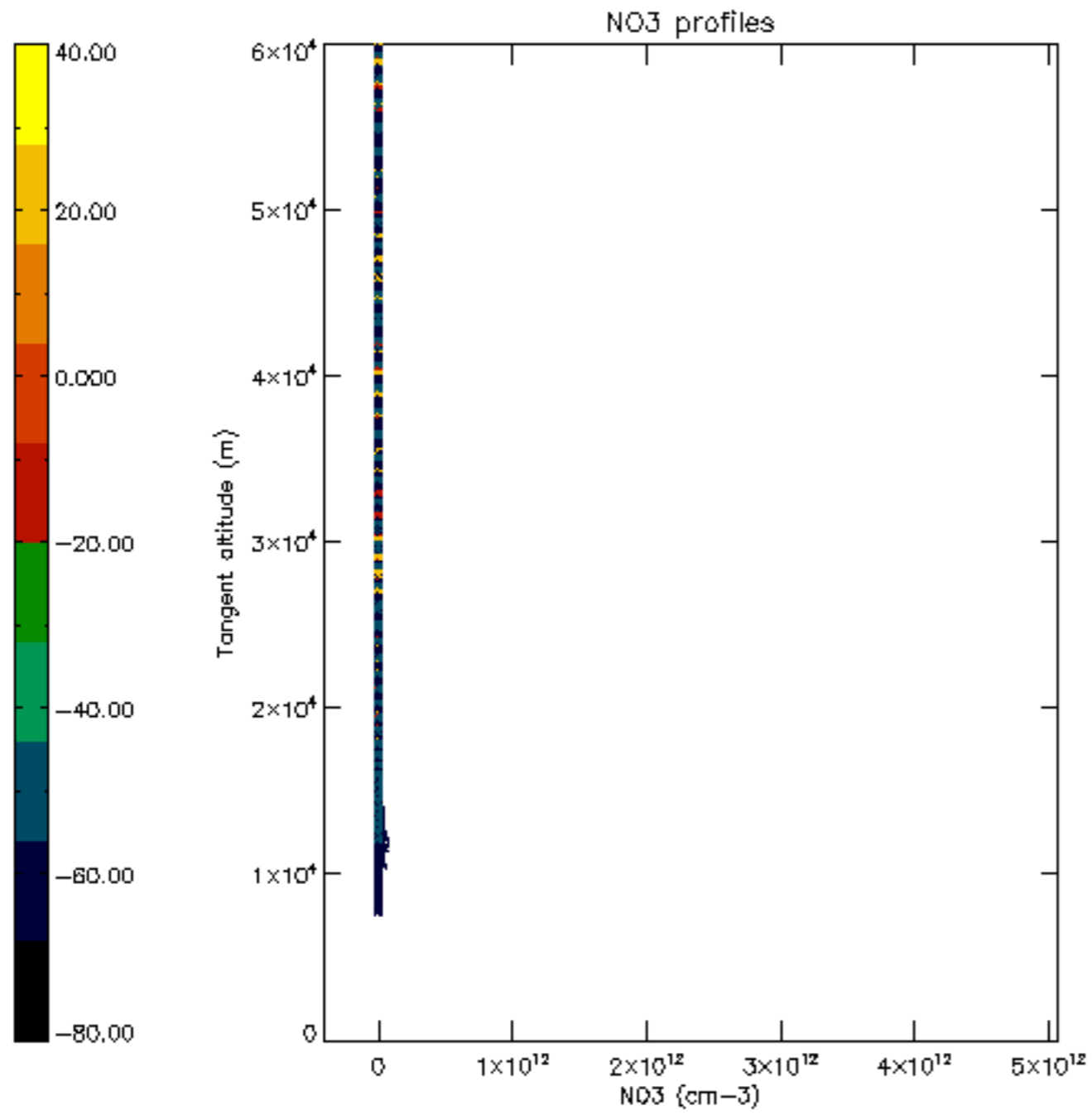


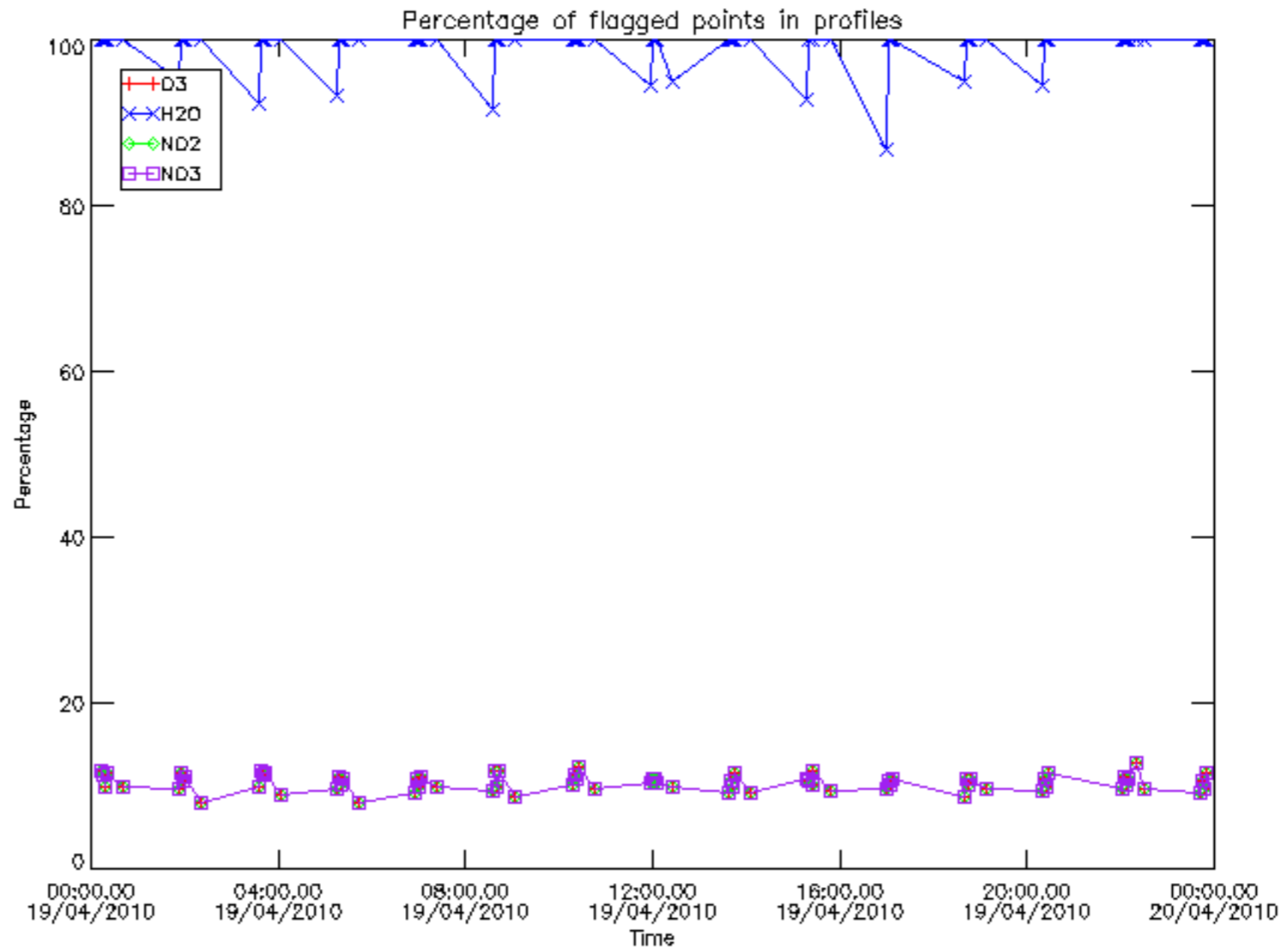




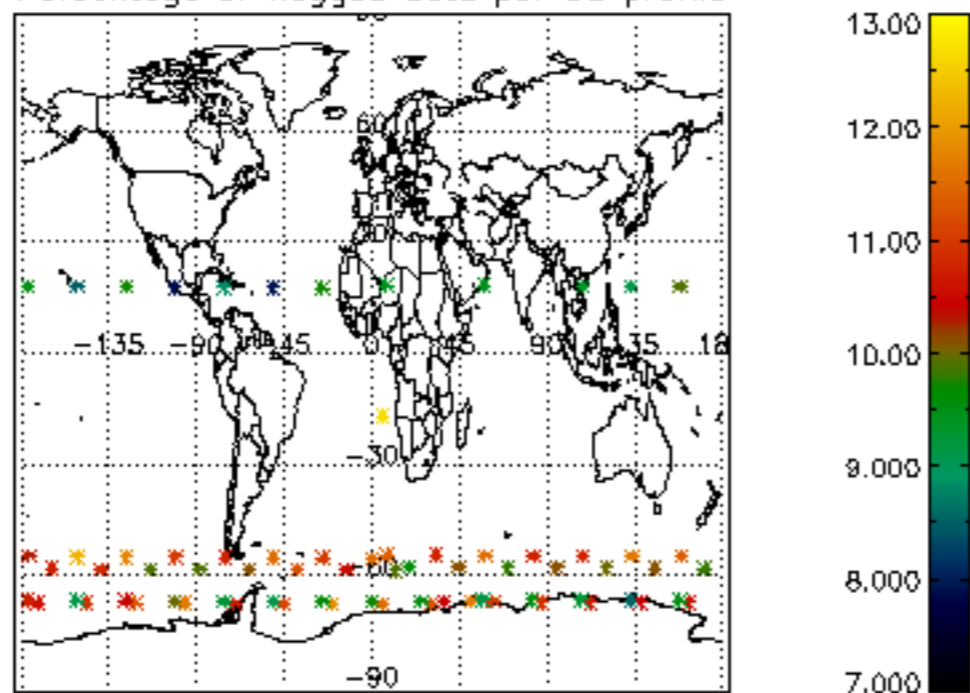




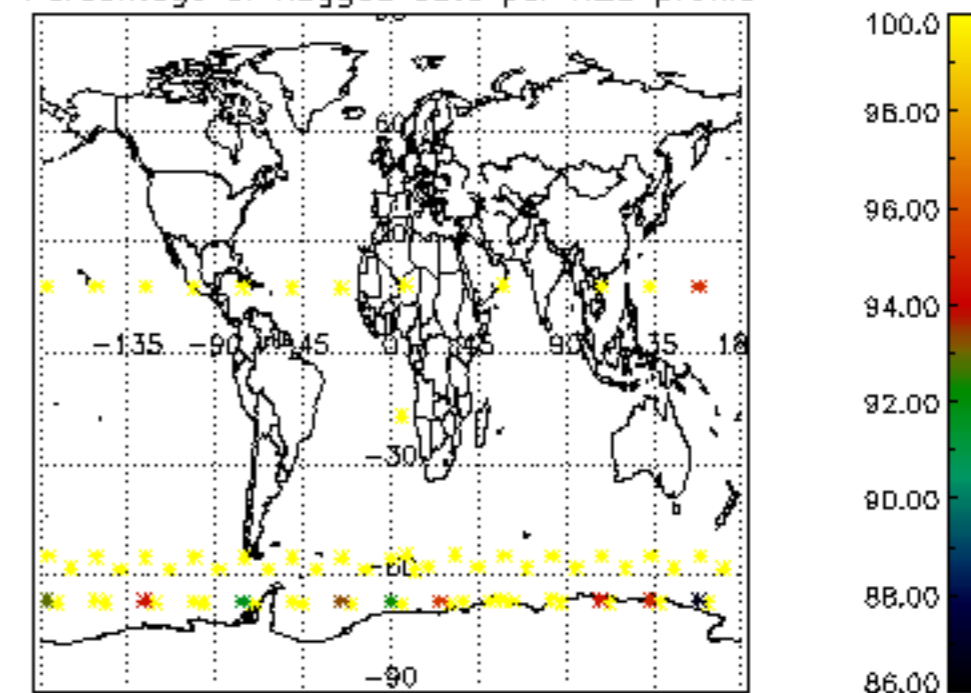




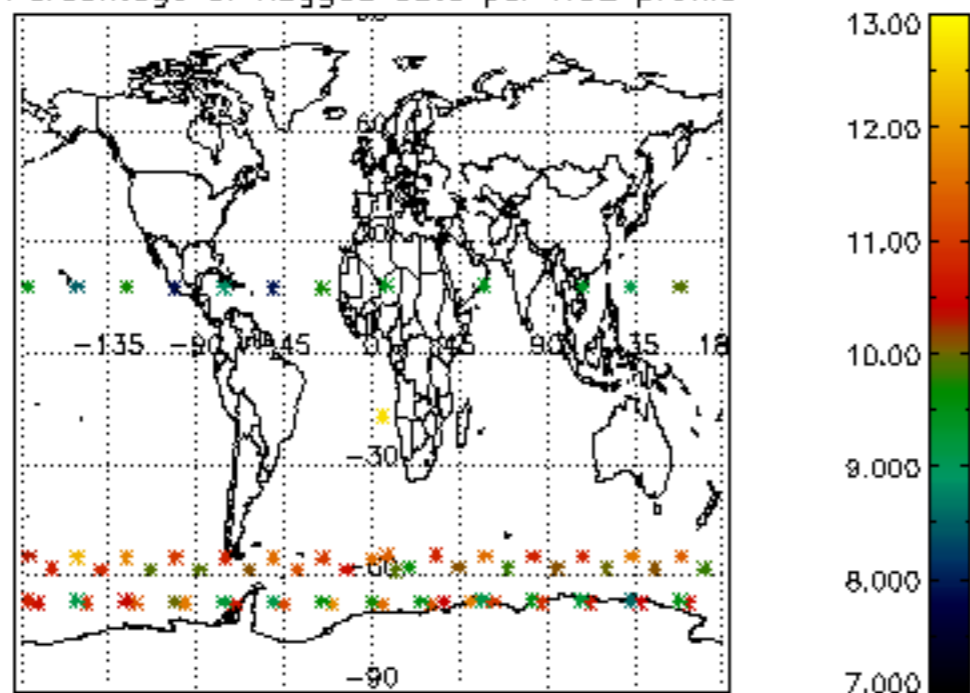
Percentage of flagged data per D3 profile



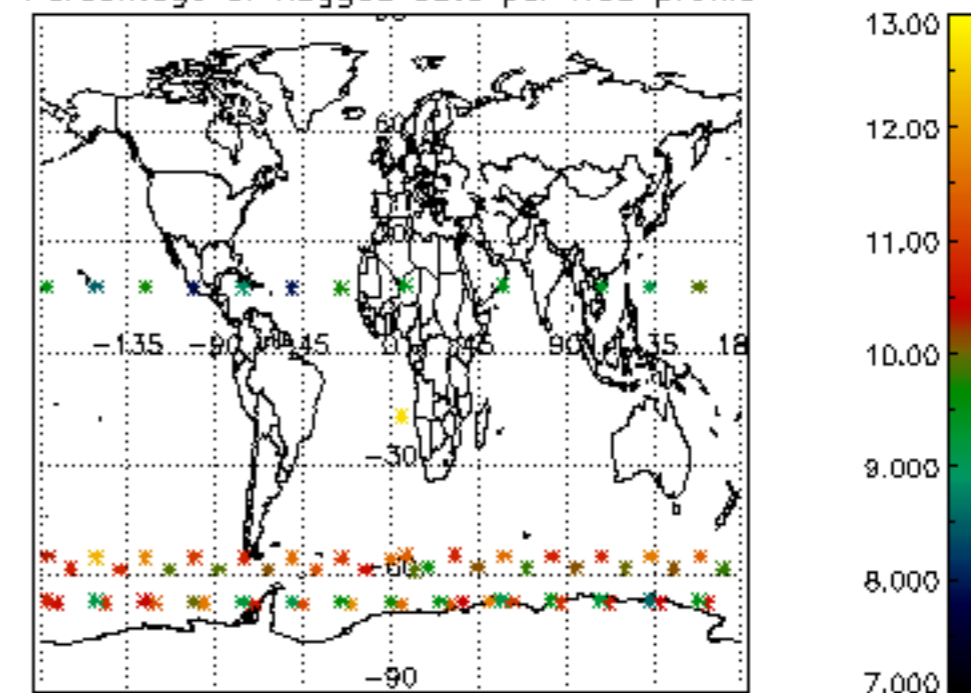
Percentage of flagged data per H2O profile



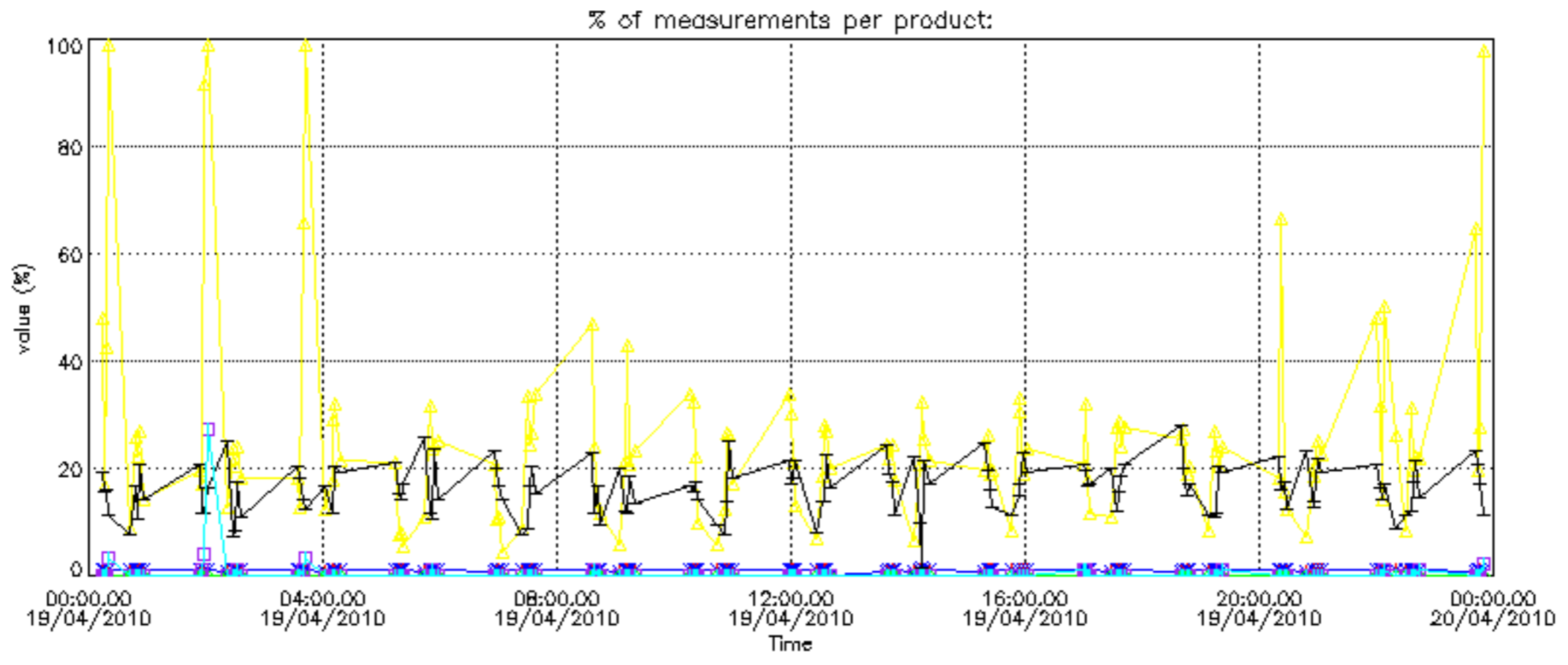
Percentage of flagged data per NO2 profile

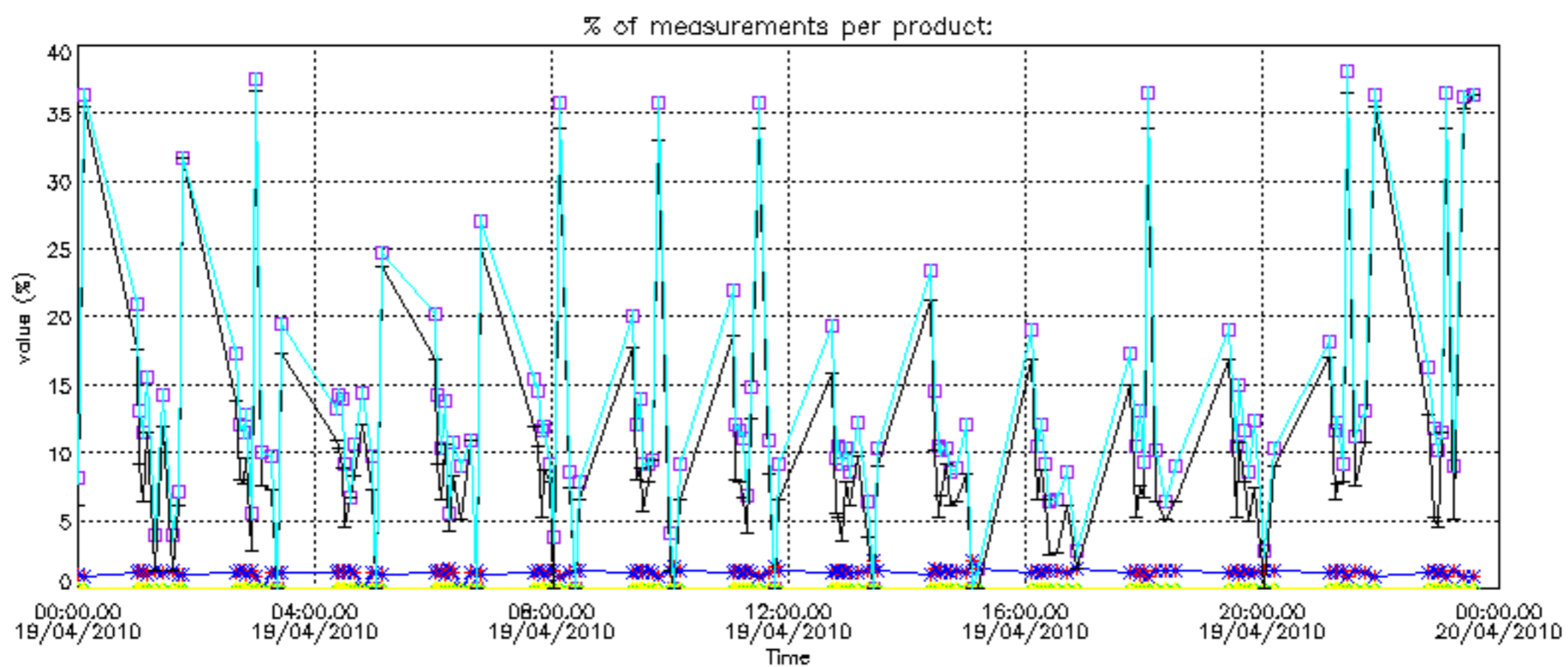


Percentage of flagged data per NO3 profile

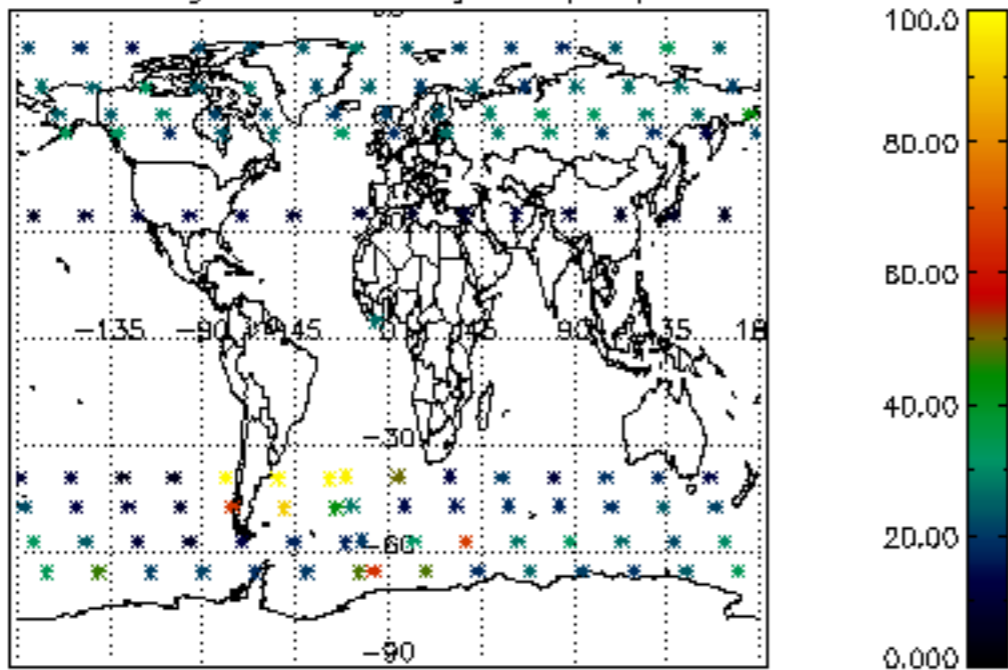




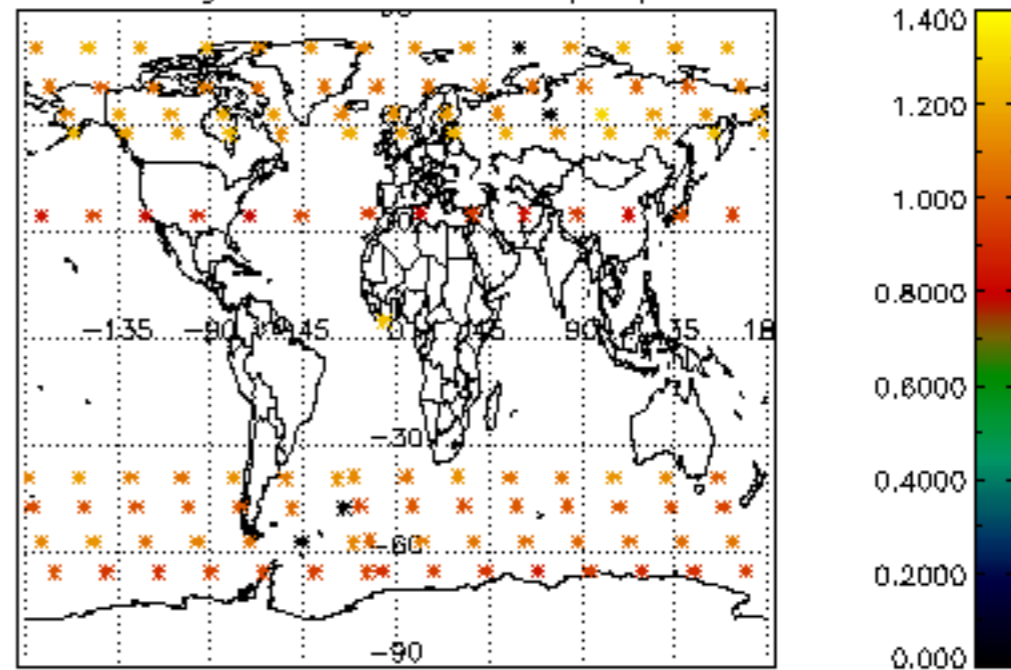




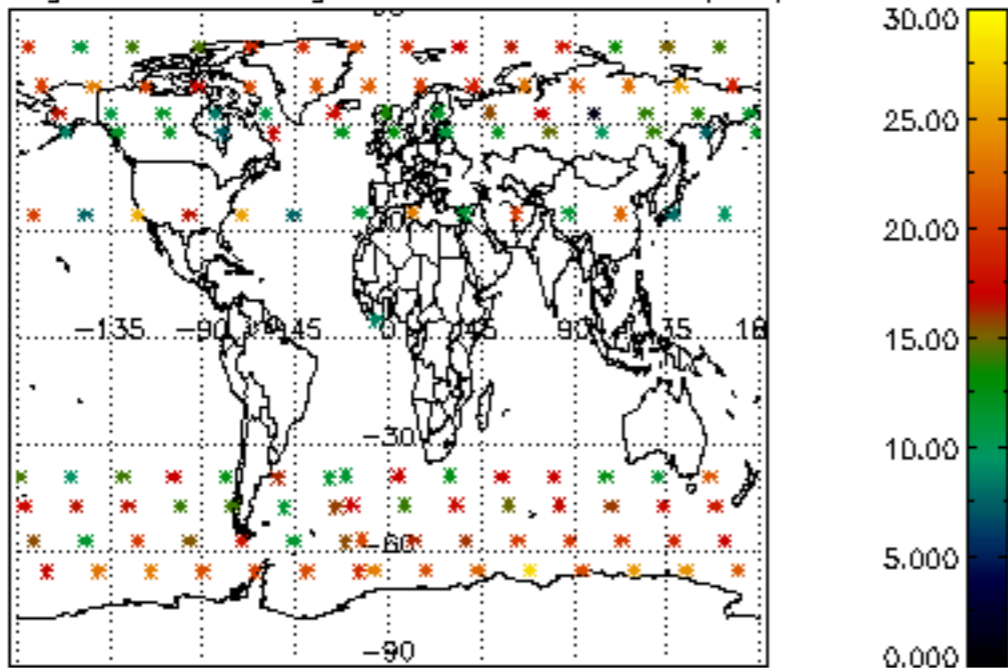
Percentage of cosmic ray hits per profile



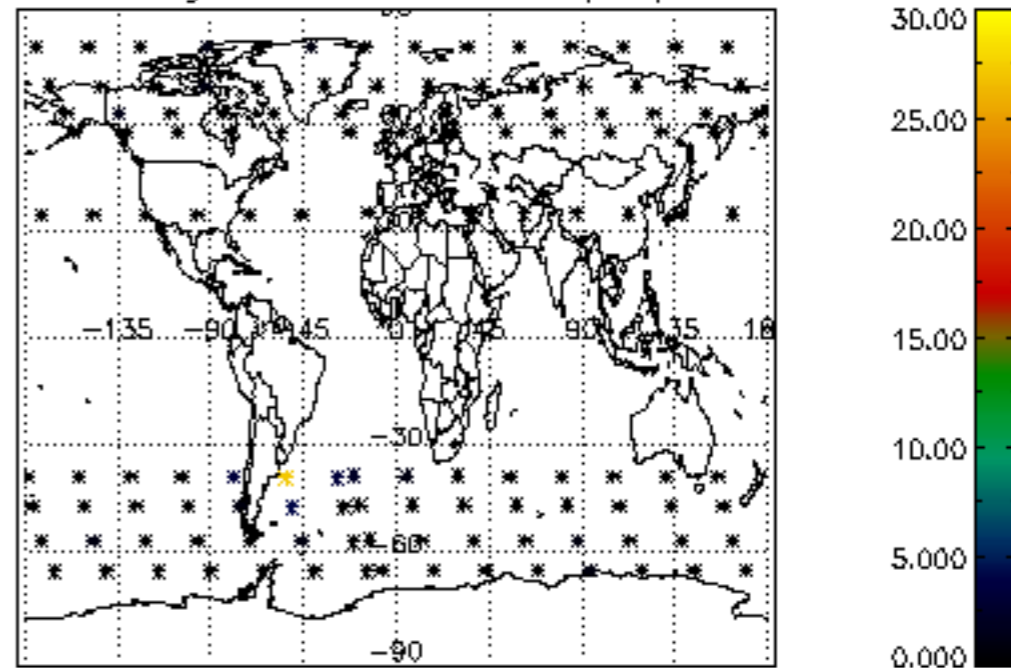
Percentage of datation errors per profile



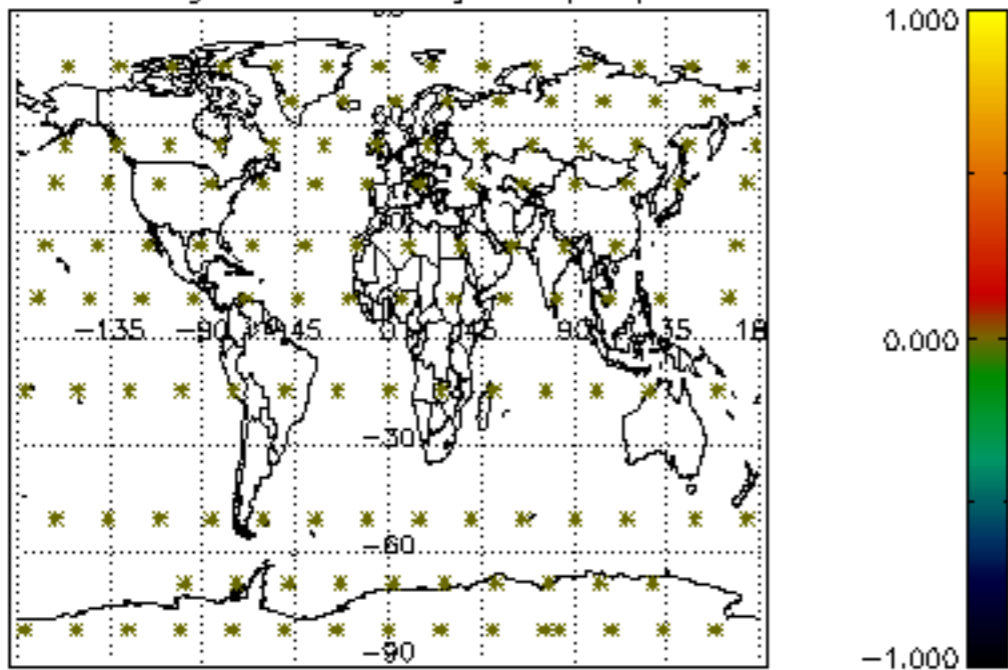
Percentage of star falling outside central band per profile



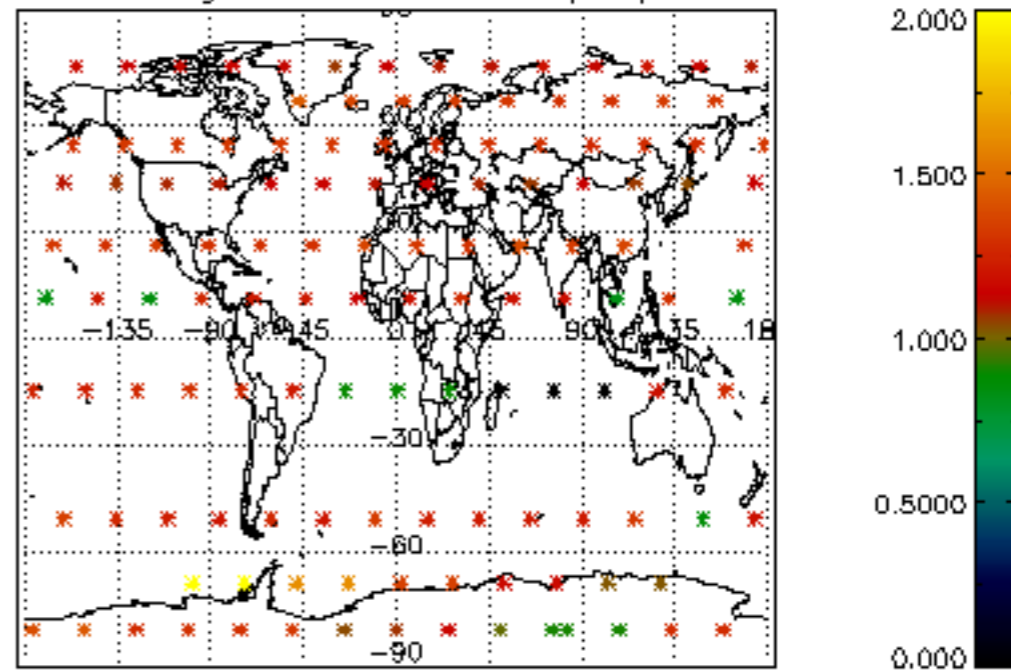
Percentage of saturation errors per profile



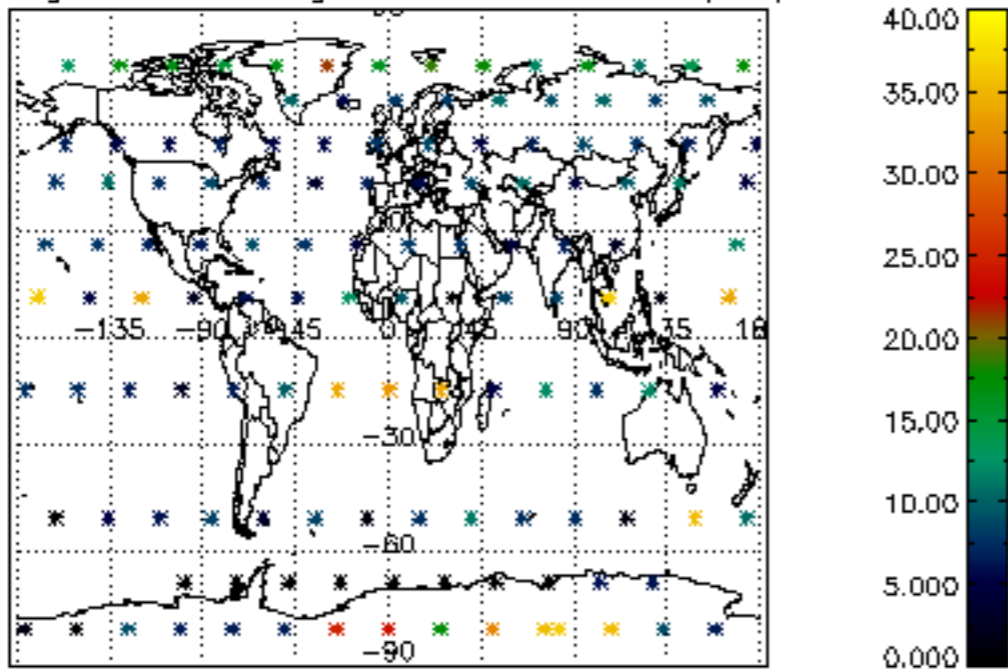
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

