

# GOMOS Level 2 Daily Report

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This report presents the daily analysis on parameters extracted from GOMOS level 2 data (GOM\_NL\_\_2P). It is intended to monitor some important parameters that will impact the quality of these products. A list of level 2 products (and content) that have arrived during the reporting day to the PCF is also given.

| Item                      | Value                           |
|---------------------------|---------------------------------|
| Time of report generation | 18APR2013 21:42:43              |
| Data source version       | GOMOS/6.01                      |
| Start time of products    | 17-03-2004 (17MAR2004 00:00:00) |
| Stop time of products     | 18-03-2004 (18MAR2004 00:00:00) |
| Store outputs in DB       | Yes                             |
| Nb of level 2 prods       | 452                             |
| 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__2PRFIN20040317_000015_000000392025_00116_10691_0607.N1 | 17-MAR-2004 00:00:15 | Bright         | 39.000   | 66      | 37Gam Cyg | 2.2080    | 5900.0    | 78      | 10691 | No          |
| 2  | GOM_NL__2PRFIN20040317_000158_000000542025_00116_10691_0608.N1 | 17-MAR-2004 00:01:58 | Bright         | 54.000   | 92      | 53Eps Cyg | 2.5000    | 4500.0    | 108     | 10691 | No          |
| 3  | GOM_NL__2PRFIN20040317_001024_000000532025_00116_10691_0609.N1 | 17-MAR-2004 00:10:24 | Twilight_stray | 52.500   | 11      | 53Alp Aql | 0.76500   | 8000.0    | 105     | 10691 | No          |
| 4  | GOM_NL__2PRFIN20040317_002042_000000502025_00116_10691_0610.N1 | 17-MAR-2004 00:20:42 | Dark           | 49.500   | 155     | 41Pi Sgr  | 2.9000    | 6600.0    | 99      | 10691 | No          |
| 5  | GOM_NL__2PRFIN20040317_002244_000000522025_00116_10691_0611.N1 | 17-MAR-2004 00:22:44 | Dark           | 52.000   | 57      | 34Sig Sgr | 2.0660    | 26000.    | 104     | 10691 | No          |
| 6  | GOM_NL__2PRFIN20040317_002412_000000562025_00116_10691_0612.N1 | 17-MAR-2004 00:24:12 | Dark           | 55.500   | 137     | 22Lam Sgr | 2.8240    | 4400.0    | 111     | 10691 | No          |
| 7  | GOM_NL__2PRFIN20040317_002612_000000552025_00116_10691_0613.N1 | 17-MAR-2004 00:26:12 | Dark           | 54.500   | 38      | 20Eps Sgr | 1.8360    | 11000.    | 109     | 10691 | No          |
| 8  | GOM_NL__2PRFIN20040317_003209_000000462025_00117_10692_0582.N1 | 17-MAR-2004 00:32:09 | Dark           | 45.500   | 141     | Bet Ara   | 2.8400    | 4600.0    | 91      | 10692 | No          |
| 9  | GOM_NL__2PRFIN20040317_003421_000000432025_00117_10692_0583.N1 | 17-MAR-2004 00:34:21 | Dark           | 42.500   | 43      | Alp TrA   | 1.9100    | 4250.0    | 85      | 10692 | No          |
| 10 | GOM_NL__2PRFIN20040317_003550_000000412025_00117_10692_0584.N1 | 17-MAR-2004 00:35:50 | Dark           | 40.500   | 134     | Bet TrA   | 2.8100    | 6600.0    | 81      | 10692 | No          |
| 11 | GOM_NL__2PRFIN20040317_003833_000000492025_00117_10692_0585.N1 | 17-MAR-2004 00:38:33 | Dark           | 49.000   | 4       | Alp1Cen   | -0.010000 | 5800.0    | 98      | 10692 | No          |
| 12 | GOM_NL__2PRFIN20040317_004009_000000392025_00117_10692_0586.N1 | 17-MAR-2004 00:40:09 | Dark           | 39.000   | 112     | Alp Mus   | 2.6880    | 26000.    | 78      | 10692 | No          |
| 13 | GOM_NL__2PRFIN20040317_004137_000000472025_00117_10692_0587.N1 | 17-MAR-2004 00:41:37 | Dark           | 47.000   | 12      | Alp1Cru   | 0.77500   | 30000.    | 94      | 10692 | No          |
| 14 | GOM_NL__2PRFIN20040317_004254_000000542025_00117_10692_0588.N1 | 17-MAR-2004 00:42:54 | Straylight     | 54.000   | 26      | Gam Cru   | 1.6240    | 2900.0    | 108     | 10692 | No          |
| 15 | GOM_NL__2PRFIN20040317_004510_000000642025_00117_10692_0589.N1 | 17-MAR-2004 00:45:10 | Straylight     | 64.000   | 54      | 5The Cen  | 2.0550    | 4500.0    | 128     | 10692 | No          |
| 16 | GOM_NL__2PRFIN20040317_004656_000000522025_00117_10692_0590.N1 | 17-MAR-2004 00:46:56 | Straylight     | 52.000   | 123     | lot Cen   | 2.7500    | 10200.    | 104     | 10692 | No          |
| 17 | GOM_NL__2PRFIN20040317_005239_000000562025_00117_10692_0591.N1 | 17-MAR-2004 00:52:39 | Straylight     | 55.500   | 106     | 9Bet Crv  | 2.6480    | 5600.0    | 111     | 10692 | No          |
| 18 | GOM_NL__2PRFIN20040317_005457_000000512025_00117_10692_0592.N1 | 17-MAR-2004 00:54:57 | Twilight_stray | 50.500   | 100     | 4Gam Crv  | 2.5800    | 13100.    | 101     | 10692 | No          |
| 19 | GOM_NL__2PRFIN20040317_005738_000000932025_00117_10692_0593.N1 | 17-MAR-2004 00:57:38 | Bright         | 92.500   | 15      | 67Alp Vir | 0.97600   | 28000.    | 185     | 10692 | No          |
| 20 | GOM_NL__2PRFIN20040317_010122_000000592025_00117_10692_0594.N1 | 17-MAR-2004 01:01:22 | Bright         | 59.000   | 121     | 29Gam Vir | 2.7400    | 7200.0    | 118     | 10692 | No          |
| 21 | GOM_NL__2PRFIN20040317_010417_000000412025_00117_10692_0595.N1 | 17-MAR-2004 01:04:17 | Bright         | 41.000   | 22      | 32Alp Leo | 1.3600    | 15200.    | 82      | 10692 | No          |
| 22 | GOM_NL__2PRFIN20040317_010632_000000402025_00117_10692_0596.N1 | 17-MAR-2004 01:06:32 | Bright         | 39.500   | 51      | 41Gam1Leo | 2.0100    | 4500.0    | 79      | 10692 | No          |
| 23 | GOM_NL__2PRFIN20040317_011412_000000412025_00117_10692_0597.N1 | 17-MAR-2004 01:14:12 | Bright         | 40.500   | 174     | 52Psi UMa | 3.0040    | 4400.0    | 81      | 10692 | No          |
| 24 | GOM_NL__2PRFIN20040317_011724_000000382025_00117_10692_0598.N1 | 17-MAR-2004 01:17:24 | Bright         | 37.500   | 82      | 48Bet UMa | 2.3650    | 10600.    | 75      | 10692 | No          |
| 25 | GOM_NL__2PRFIN20040317_011854_000000402025_00117_10692_0599.N1 | 17-MAR-2004 01:18:54 | Bright         | 40.000   | 36      | 50Alp UMa | 1.8000    | 6300.0    | 80      | 10692 | No          |
| 26 | GOM_NL__2PRFIN20040317_012021_000000472025_00117_10692_0600.N1 | 17-MAR-2004 01:20:21 | Bright         | 47.000   | 32      | 77Eps UMa | 1.7630    | 11000.    | 94      | 10692 | No          |
| 27 | GOM_NL__2PRFIN20040317_012210_000000542025_00117_10692_0601.N1 | 17-MAR-2004 01:22:10 | Bright         | 54.000   | 39      | 85Eta UMa | 1.8540    | 24000.    | 108     | 10692 | No          |
| 28 | GOM_NL__2PRFIN20040317_012556_000000392025_00117_10692_0602.N1 | 17-MAR-2004 01:25:56 | Bright         | 39.000   | 60      | 7Bet UMi  | 2.0810    | 3950.0    | 78      | 10692 | No          |
| 29 | GOM_NL__2PRFIN20040317_012956_000000482025_00117_10692_0603.N1 | 17-MAR-2004 01:29:56 | Bright         | 48.000   | 119     | 14Eta Dra | 2.7270    | 4700.0    | 96      | 10692 | No          |
| 30 | GOM_NL__2PRFIN20040317_013314_000000402025_00117_10692_0604.N1 | 17-MAR-2004 01:33:14 | Bright         | 40.000   | 74      | 11Bet Cas | 2.2680    | 6600.0    | 80      | 10692 | No          |
| 31 | GOM_NL__2PRFIN20040317_013457_000000552025_00117_10692_0605.N1 | 17-MAR-2004 01:34:57 | Bright         | 54.500   | 130     | 23Bet Dra | 2.7990    | 5800.0    | 109     | 10692 | No          |
| 32 | GOM_NL__2PRFIN20040317_013917_000000372025_00117_10692_0606.N1 | 17-MAR-2004 01:39:17 | Bright         | 37.000   | 19      | 50Alp Cyg | 1.2460    | 10500.    | 74      | 10692 | No          |
| 33 | GOM_NL__2PRFIN20040317_014051_000000402025_00117_10692_0607.N1 | 17-MAR-2004 01:40:51 | Bright         | 39.500   | 66      | 37Gam Cyg | 2.2080    | 5900.0    | 79      | 10692 | No          |
| 34 | GOM_NL__2PRFIN20040317_014235_000000382025_00117_10692_0608.N1 | 17-MAR-2004 01:42:35 | Bright         | 38.000   | 92      | 53Eps Cyg | 2.5000    | 4500.0    | 76      | 10692 | No          |
| 35 | GOM_NL__2PRFIN20040317_015101_000000542025_00117_10692_0609.N1 | 17-MAR-2004 01:51:01 | Twilight_stray | 54.000   | 11      | 53Alp Aql | 0.76500   | 8000.0    | 108     | 10692 | No          |
| 36 | GOM_NL__2PRFIN20040317_020118_000000542025_00117_10692_0610.N1 | 17-MAR-2004 02:01:18 | Dark           | 53.500   | 155     | 41Pi Sgr  | 2.9000    | 6600.0    | 107     | 10692 | No          |
| 37 | GOM_NL__2PRFIN20040317_020322_000000512025_00117_10692_0611.N1 | 17-MAR-2004 02:03:22 | Dark           | 51.000   | 57      | 34Sig Sgr | 2.0660    | 26000.    | 102     | 10692 | No          |
| 38 | GOM_NL__2PRFIN20040317_020449_000000572025_00117_10692_0612.N1 | 17-MAR-2004 02:04:49 | Dark           | 56.500   | 137     | 22Lam Sgr | 2.8240    | 4400.0    | 113     | 10692 | No          |
| 39 | GOM_NL__2PRFIN20040317_020651_000000542025_00117_10692_0613.N1 | 17-MAR-2004 02:06:51 | Dark           | 54.000   | 38      | 20Eps Sgr | 1.8360    | 11000.    | 108     | 10692 | No          |
| 40 | GOM_NL__2PRFIN20040317_021247_000000442025_00118_10693_0582.N1 | 17-MAR-2004 02:12:47 | Dark           | 44.000   | 141     | Bet Ara   | 2.8400    | 4600.0    | 88      | 10693 | No          |
| 41 | GOM_NL__2PRFIN20040317_021457_000000452025_00118_10693_0583.N1 | 17-MAR-2004 02:14:57 | Dark           | 45.000   | 43      | Alp TrA   | 1.9100    | 4250.0    | 90      | 10693 | No          |
| 42 | GOM_NL__2PRFIN20040317_021627_000000402025_00118_10693_0584.N1 | 17-MAR-2004 02:16:27 | Dark           | 40.000   | 134     | Bet TrA   | 2.8100    | 6600.0    | 80      | 10693 | No          |













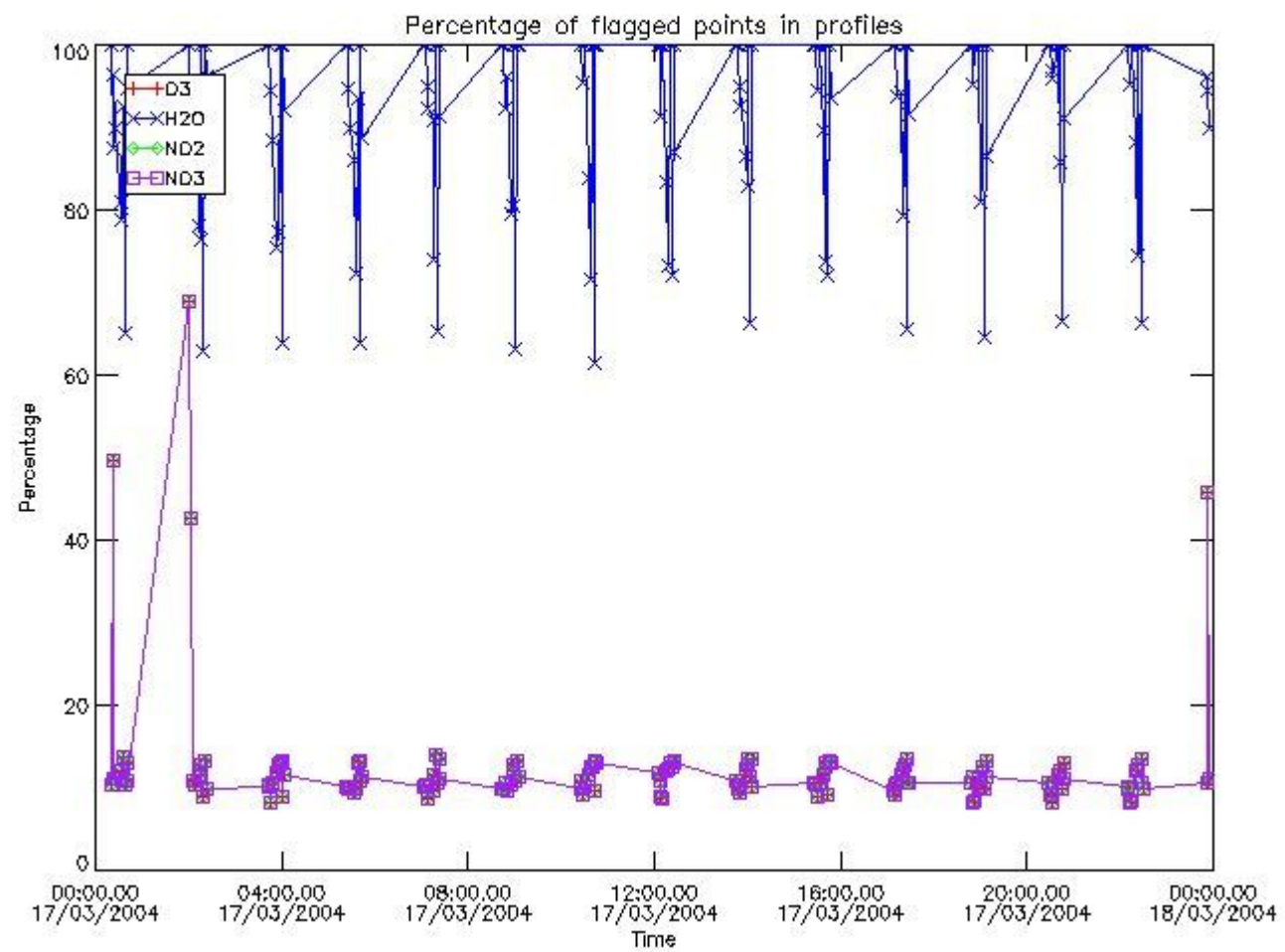


|     |  |                      |                |        |     |           |           |        |     |       |    |
|-----|--|----------------------|----------------|--------|-----|-----------|-----------|--------|-----|-------|----|
| 397 | GOM_NL__2PRFIN20040317_204855_000000462025_00129_10704_0614.N1 | 17-MAR-2004 20:48:55 | Dark           | 45.500 | 12  | Alp1Cru   | 0.77500   | 30000. | 91  | 10704 | No |
| 398 | GOM_NL__2PRFIN20040317_205013_000000522025_00129_10704_0615.N1 | 17-MAR-2004 20:50:13 | Straylight     | 52.000 | 26  | Gam Cru   | 1.6240    | 2900.0 | 104 | 10704 | No |
| 399 | GOM_NL__2PRFIN20040317_205231_000000632025_00129_10704_0616.N1 | 17-MAR-2004 20:52:31 | Straylight     | 63.000 | 54  | 5The Cen  | 2.0550    | 4500.0 | 126 | 10704 | No |
| 400 | GOM_NL__2PRFIN20040317_205414_000000532025_00129_10704_0617.N1 | 17-MAR-2004 20:54:14 | Straylight     | 52.500 | 123 | lot Cen   | 2.7500    | 10200. | 105 | 10704 | No |
| 401 | GOM_NL__2PRFIN20040317_210029_000000512025_00129_10704_0618.N1 | 17-MAR-2004 21:00:29 | Straylight     | 50.500 | 171 | 2Eps Crv  | 3.0010    | 4250.0 | 101 | 10704 | No |
| 402 | GOM_NL__2PRFIN20040317_210209_000000522025_00129_10704_0619.N1 | 17-MAR-2004 21:02:09 | Tw_i_and_stray | 51.500 | 100 | 4Gam Crv  | 2.5800    | 13100. | 103 | 10704 | No |
| 403 | GOM_NL__2PRFIN20040317_210446_000000872025_00129_10704_0620.N1 | 17-MAR-2004 21:04:46 | Bright         | 86.500 | 15  | 67Alp Vir | 0.97600   | 28000. | 173 | 10704 | No |
| 404 | GOM_NL__2PRFIN20040317_210828_000000612025_00129_10704_0621.N1 | 17-MAR-2004 21:08:28 | Bright         | 60.500 | 121 | 29Gam Vir | 2.7400    | 7200.0 | 121 | 10704 | No |
| 405 | GOM_NL__2PRFIN20040317_211130_000000402025_00129_10704_0622.N1 | 17-MAR-2004 21:11:30 | Bright         | 39.500 | 22  | 32Alp Leo | 1.3600    | 15200. | 79  | 10704 | No |
| 406 | GOM_NL__2PRFIN20040317_211343_000000392025_00129_10704_0623.N1 | 17-MAR-2004 21:13:43 | Bright         | 39.000 | 51  | 41Gam1Leo | 2.0100    | 4500.0 | 78  | 10704 | No |
| 407 | GOM_NL__2PRFIN20040317_212120_000000392025_00129_10704_0624.N1 | 17-MAR-2004 21:21:20 | Bright         | 38.500 | 174 | 52Psi UMa | 3.0040    | 4400.0 | 77  | 10704 | No |
| 408 | GOM_NL__2PRFIN20040317_212433_000000392025_00129_10704_0625.N1 | 17-MAR-2004 21:24:33 | Bright         | 39.000 | 82  | 48Bet UMa | 2.3650    | 10600. | 78  | 10704 | No |
| 409 | GOM_NL__2PRFIN20040317_212603_000000412025_00129_10704_0626.N1 | 17-MAR-2004 21:26:03 | Bright         | 40.500 | 36  | 50Alp UMa | 1.8000    | 6300.0 | 81  | 10704 | No |
| 410 | GOM_NL__2PRFIN20040317_212725_000000452025_00129_10704_0627.N1 | 17-MAR-2004 21:27:25 | Bright         | 45.000 | 32  | 77Eps UMa | 1.7630    | 11000. | 90  | 10704 | No |
| 411 | GOM_NL__2PRFIN20040317_212908_000000552025_00129_10704_0628.N1 | 17-MAR-2004 21:29:08 | Bright         | 54.500 | 39  | 85Eta UMa | 1.8540    | 24000. | 109 | 10704 | No |
| 412 | GOM_NL__2PRFIN20040317_213303_000000422025_00129_10704_0629.N1 | 17-MAR-2004 21:33:03 | Bright         | 41.500 | 60  | 7Bet UMi  | 2.0810    | 3950.0 | 83  | 10704 | No |
| 413 | GOM_NL__2PRFIN20040317_213700_000000462025_00129_10704_0630.N1 | 17-MAR-2004 21:37:00 | Bright         | 46.000 | 119 | 14Eta Dra | 2.7270    | 4700.0 | 92  | 10704 | No |
| 414 | GOM_NL__2PRFIN20040317_214029_000000402025_00129_10704_0631.N1 | 17-MAR-2004 21:40:29 | Bright         | 39.500 | 74  | 11Bet Cas | 2.2680    | 6600.0 | 79  | 10704 | No |
| 415 | GOM_NL__2PRFIN20040317_214303_000000532025_00129_10704_0632.N1 | 17-MAR-2004 21:43:03 | Bright         | 52.500 | 69  | 33Gam Dra | 2.2310    | 3800.0 | 105 | 10704 | No |
| 416 | GOM_NL__2PRFIN20040317_214629_000000382025_00129_10704_0633.N1 | 17-MAR-2004 21:46:29 | Bright         | 38.000 | 19  | 50Alp Cyg | 1.2460    | 10500. | 76  | 10704 | No |
| 417 | GOM_NL__2PRFIN20040317_214804_000000412025_00129_10704_0634.N1 | 17-MAR-2004 21:48:04 | Bright         | 40.500 | 66  | 37Gam Cyg | 2.2080    | 5900.0 | 81  | 10704 | No |
| 418 | GOM_NL__2PRFIN20040317_214948_000000402025_00129_10704_0635.N1 | 17-MAR-2004 21:49:48 | Bright         | 39.500 | 92  | 53Eps Cyg | 2.5000    | 4500.0 | 79  | 10704 | No |
| 419 | GOM_NL__2PRFIN20040317_215818_000000582025_00129_10704_0636.N1 | 17-MAR-2004 21:58:18 | Tw_i_and_stray | 58.000 | 11  | 53Alp Aql | 0.76500   | 8000.0 | 116 | 10704 | No |
| 420 | GOM_NL__2PRFIN20040317_220840_000000512025_00129_10704_0637.N1 | 17-MAR-2004 22:08:40 | Dark           | 50.500 | 155 | 41Pi Sgr  | 2.9000    | 6600.0 | 101 | 10704 | No |
| 421 | GOM_NL__2PRFIN20040317_221044_000000522025_00129_10704_0638.N1 | 17-MAR-2004 22:10:44 | Dark           | 51.500 | 57  | 34Sig Sgr | 2.0660    | 26000. | 103 | 10704 | No |
| 422 | GOM_NL__2PRFIN20040317_221214_000000622025_00129_10704_0639.N1 | 17-MAR-2004 22:12:14 | Dark           | 61.500 | 137 | 22Lam Sgr | 2.8240    | 4400.0 | 123 | 10704 | No |
| 423 | GOM_NL__2PRFIN20040317_221414_000000612025_00129_10704_0640.N1 | 17-MAR-2004 22:14:14 | Dark           | 60.500 | 38  | 20Eps Sgr | 1.8360    | 11000. | 121 | 10704 | No |
| 424 | GOM_NL__2PRFIN20040317_222006_000000432025_00130_10705_0629.N1 | 17-MAR-2004 22:20:06 | Dark           | 42.500 | 141 | Bet Ara   | 2.8400    | 4600.0 | 85  | 10705 | No |
| 425 | GOM_NL__2PRFIN20040317_222215_000000422025_00130_10705_0630.N1 | 17-MAR-2004 22:22:15 | Dark           | 41.500 | 43  | Alp TrA   | 1.9100    | 4250.0 | 83  | 10705 | No |
| 426 | GOM_NL__2PRFIN20040317_222345_000000402025_00130_10705_0631.N1 | 17-MAR-2004 22:23:45 | Dark           | 40.000 | 134 | Bet TrA   | 2.8100    | 6600.0 | 80  | 10705 | No |
| 427 | GOM_NL__2PRFIN20040317_222629_000000482025_00130_10705_0632.N1 | 17-MAR-2004 22:26:29 | Dark           | 48.000 | 4   | Alp1Cen   | -0.010000 | 5800.0 | 96  | 10705 | No |
| 428 | GOM_NL__2PRFIN20040317_222800_000000382025_00130_10705_0633.N1 | 17-MAR-2004 22:28:00 | Dark           | 38.000 | 112 | Alp Mus   | 2.6880    | 26000. | 76  | 10705 | No |
| 429 | GOM_NL__2PRFIN20040317_222931_000000512025_00130_10705_0634.N1 | 17-MAR-2004 22:29:31 | Dark           | 51.000 | 12  | Alp1Cru   | 0.77500   | 30000. | 102 | 10705 | No |
| 430 | GOM_NL__2PRFIN20040317_223048_000000542025_00130_10705_0635.N1 | 17-MAR-2004 22:30:48 | Straylight     | 54.000 | 26  | Gam Cru   | 1.6240    | 2900.0 | 108 | 10705 | No |
| 431 | GOM_NL__2PRFIN20040317_223307_000000632025_00130_10705_0636.N1 | 17-MAR-2004 22:33:07 | Straylight     | 63.000 | 54  | 5The Cen  | 2.0550    | 4500.0 | 126 | 10705 | No |
| 432 | GOM_NL__2PRFIN20040317_223451_000000502025_00130_10705_0637.N1 | 17-MAR-2004 22:34:51 | Straylight     | 49.500 | 123 | lot Cen   | 2.7500    | 10200. | 99  | 10705 | No |
| 433 | GOM_NL__2PRFIN20040317_223946_000000642025_00130_10705_0638.N1 | 17-MAR-2004 22:39:46 | Straylight     | 63.500 | 169 | 46Gam Hya | 2.9910    | 4700.0 | 127 | 10705 | No |
| 434 | GOM_NL__2PRFIN20040317_224245_000000512025_00130_10705_0639.N1 | 17-MAR-2004 22:42:45 | Tw_i_and_stray | 51.000 | 100 | 4Gam Crv  | 2.5800    | 13100. | 102 | 10705 | No |
| 435 | GOM_NL__2PRFIN20040317_224522_000000852025_00130_10705_0640.N1 | 17-MAR-2004 22:45:22 | Bright         | 84.500 | 15  | 67Alp Vir | 0.97600   | 28000. | 169 | 10705 | No |
| 436 | GOM_NL__2PRFIN20040317_224903_000000592025_00130_10705_0641.N1 | 17-MAR-2004 22:49:03 | Bright         | 58.500 | 121 | 29Gam Vir | 2.7400    | 7200.0 | 117 | 10705 | No |
| 437 | GOM_NL__2PRFIN20040317_225206_000000402025_00130_10705_0642.N1 | 17-MAR-2004 22:52:06 | Bright         | 40.000 | 22  | 32Alp Leo | 1.3600    | 15200. | 80  | 10705 | No |
| 438 | GOM_NL__2PRFIN20040317_225419_000000402025_00130_10705_0643.N1 | 17-MAR-2004 22:54:19 | Bright         | 40.000 | 51  | 41Gam1Leo | 2.0100    | 4500.0 | 80  | 10705 | No |
| 439 | GOM_NL__2PRFIN20040317_230156_000000402025_00130_10705_0644.N1 | 17-MAR-2004 23:01:56 | Bright         | 40.000 | 174 | 52Psi UMa | 3.0040    | 4400.0 | 80  | 10705 | No |
| 440 | GOM_NL__2PRFIN20040317_230509_000000392025_00130_10705_0645.N1 | 17-MAR-2004 23:05:09 | Bright         | 38.500 | 82  | 48Bet UMa | 2.3650    | 10600. | 77  | 10705 | No |
| 441 | GOM_NL__2PRFIN20040317_230942_000000552025_00130_10705_0646.N1 | 17-MAR-2004 23:09:42 | Bright         | 54.500 | 39  | 85Eta UMa | 1.8540    | 24000. | 109 | 10705 | No |
| 442 | GOM_NL__2PRFIN20040317_231339_000000402025_00130_10705_0647.N1 | 17-MAR-2004 23:13:39 | Bright         | 40.000 | 60  | 7Bet UMi  | 2.0810    | 3950.0 | 80  | 10705 | No |
| 443 | GOM_NL__2PRFIN20040317_231735_000000492025_00130_10705_0648.N1 | 17-MAR-2004 23:17:35 | Bright         | 48.500 | 119 | 14Eta Dra | 2.7270    | 4700.0 | 97  | 10705 | No |
| 444 | GOM_NL__2PRFIN20040317_232103_000000412025_00130_10705_0649.N1 | 17-MAR-2004 23:21:03 | Bright         | 40.500 | 74  | 11Bet Cas | 2.2680    | 6600.0 | 81  | 10705 | No |
| 445 | GOM_NL__2PRFIN20040317_232338_000000562025_00130_10705_0650.N1 | 17-MAR-2004 23:23:38 | Bright         | 56.000 | 69  | 33Gam Dra | 2.2310    | 3800.0 | 112 | 10705 | No |
| 446 | GOM_NL__2PRFIN20040317_232705_000000372025_00130_10705_0651.N1 | 17-MAR-2004 23:27:05 | Bright         | 37.000 | 19  | 50Alp Cyg | 1.2460    | 10500. | 74  | 10705 | No |
| 447 | GOM_NL__2PRFIN20040317_232840_000000392025_00130_10705_0652.N1 | 17-MAR-2004 23:28:40 | Bright         | 38.500 | 66  | 37Gam Cyg | 2.2080    | 5900.0 | 77  | 10705 | No |
| 448 | GOM_NL__2PRFIN20040317_233024_000000382025_00130_10705_0653.N1 | 17-MAR-2004 23:30:24 | Bright         | 37.500 | 92  | 53Eps Cyg | 2.5000    | 4500.0 | 75  | 10705 | No |
| 449 | GOM_NL__2PRFIN20040317_233854_000000542025_00130_10705_0654.N1 | 17-MAR-2004 23:38:54 | Tw_i_and_stray | 54.000 | 11  | 53Alp Aql | 0.76500   | 8000.0 | 108 | 10705 | No |
| 450 | GOM_NL__2PRFIN20040317_235120_000000532025_00130_10705_0655.N1 | 17-MAR-2004 23:51:20 | Dark           | 53.000 | 57  | 34Sig Sgr | 2.0660    | 26000. | 106 | 10705 | No |
| 451 | GOM_NL__2PRFIN20040317_235251_000000542025_00130_10705_0656.N1 | 17-MAR-2004 23:52:51 | Dark           | 54.000 | 137 | 22Lam Sgr | 2.8240    | 4400.0 | 108 | 10705 | No |
| 452 | GOM_NL__2PRFIN20040317_235451_000000502025_00130_10705_0657.N1 | 17-MAR-2004 23:54:51 | Dark           | 50.000 | 38  | 20Eps Sgr | 1.8360    | 11000. | 100 | 10705 | No |

### 3. Quality information per product

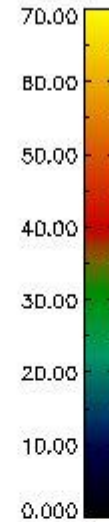
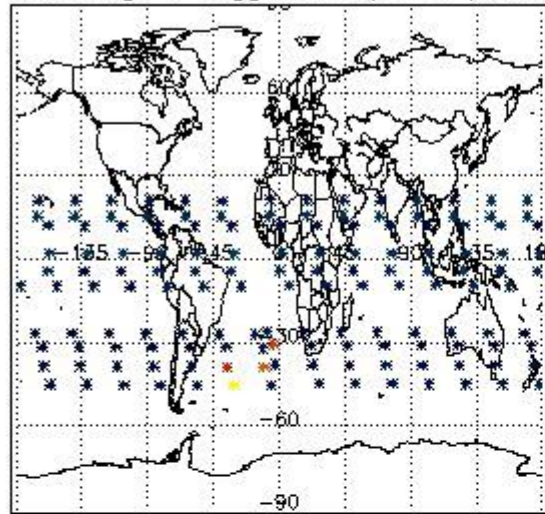
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

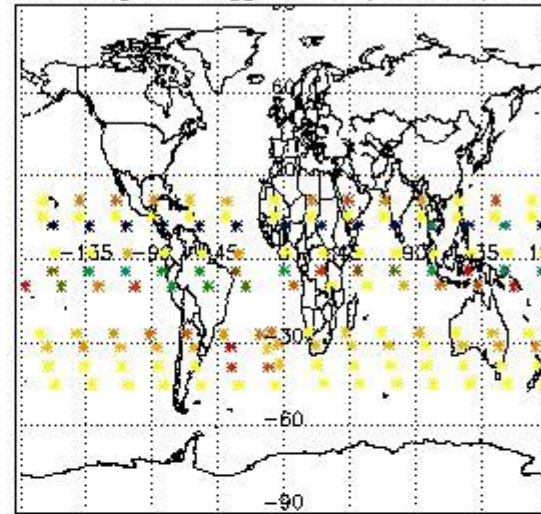


#### 3.2 Plot quality information per product (world map)

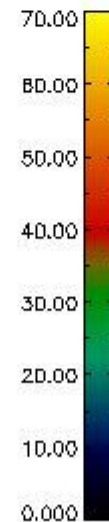
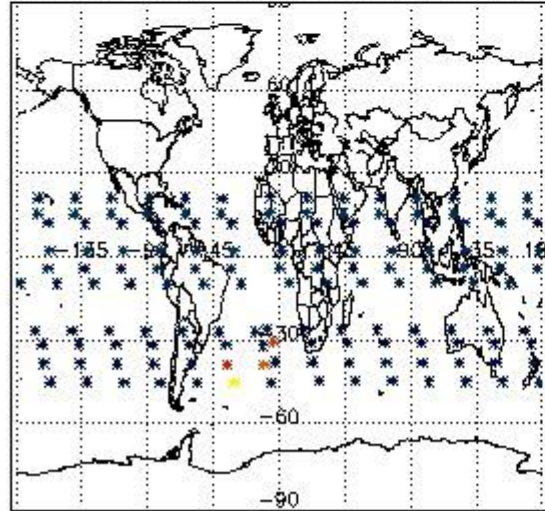
Percentage of flagged data per O3 profile



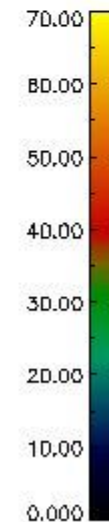
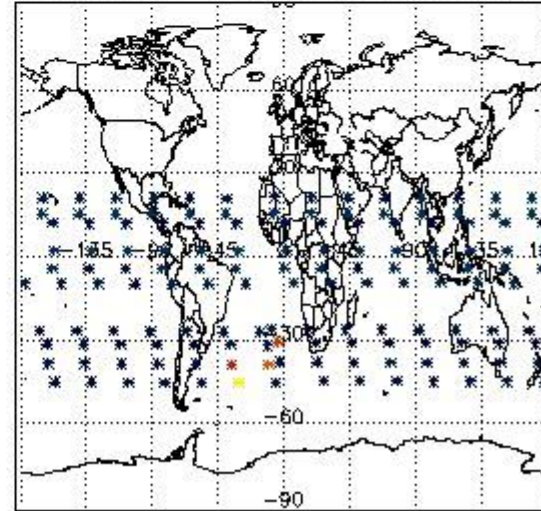
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

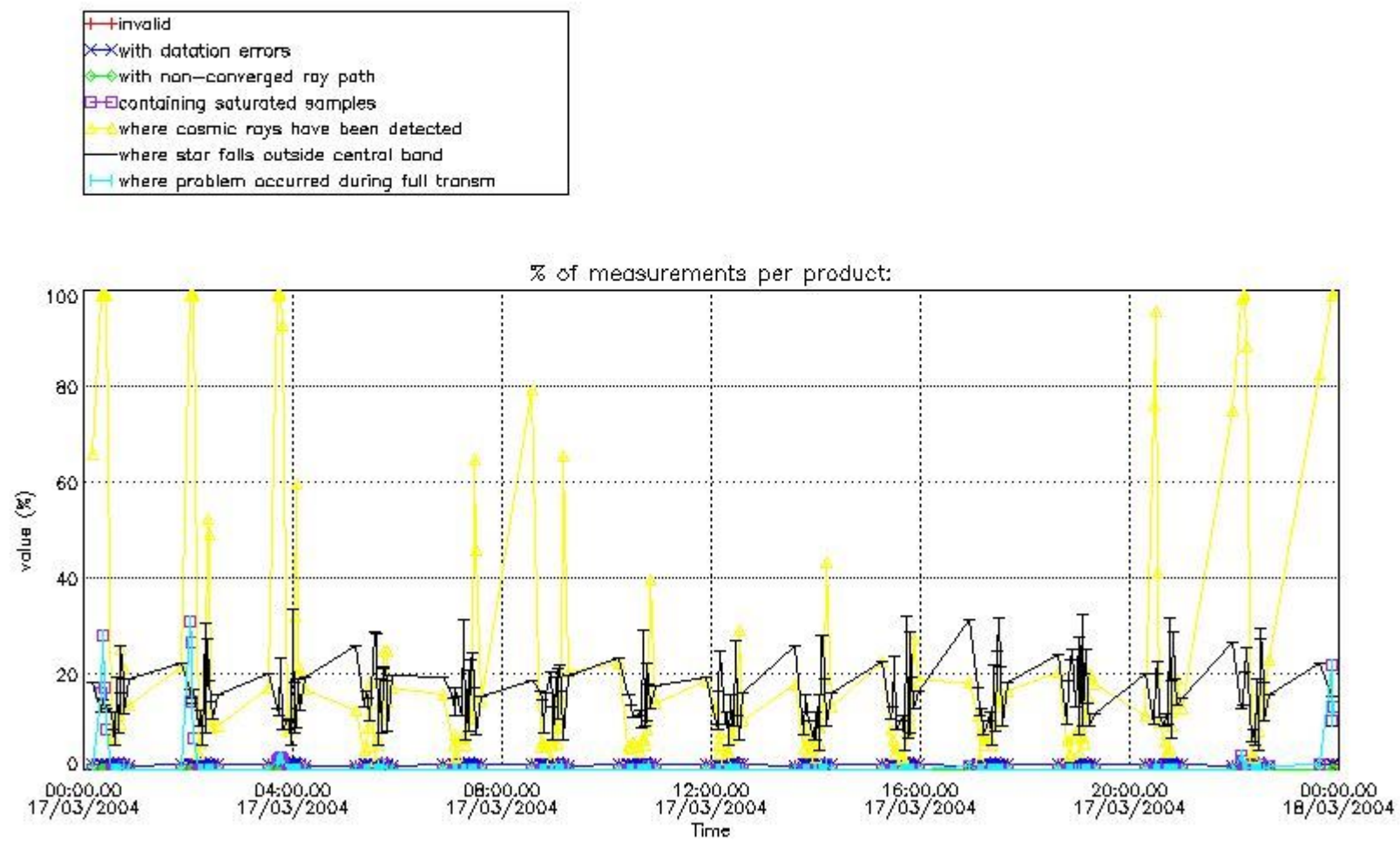


#### 4. Level 1 quality information per product

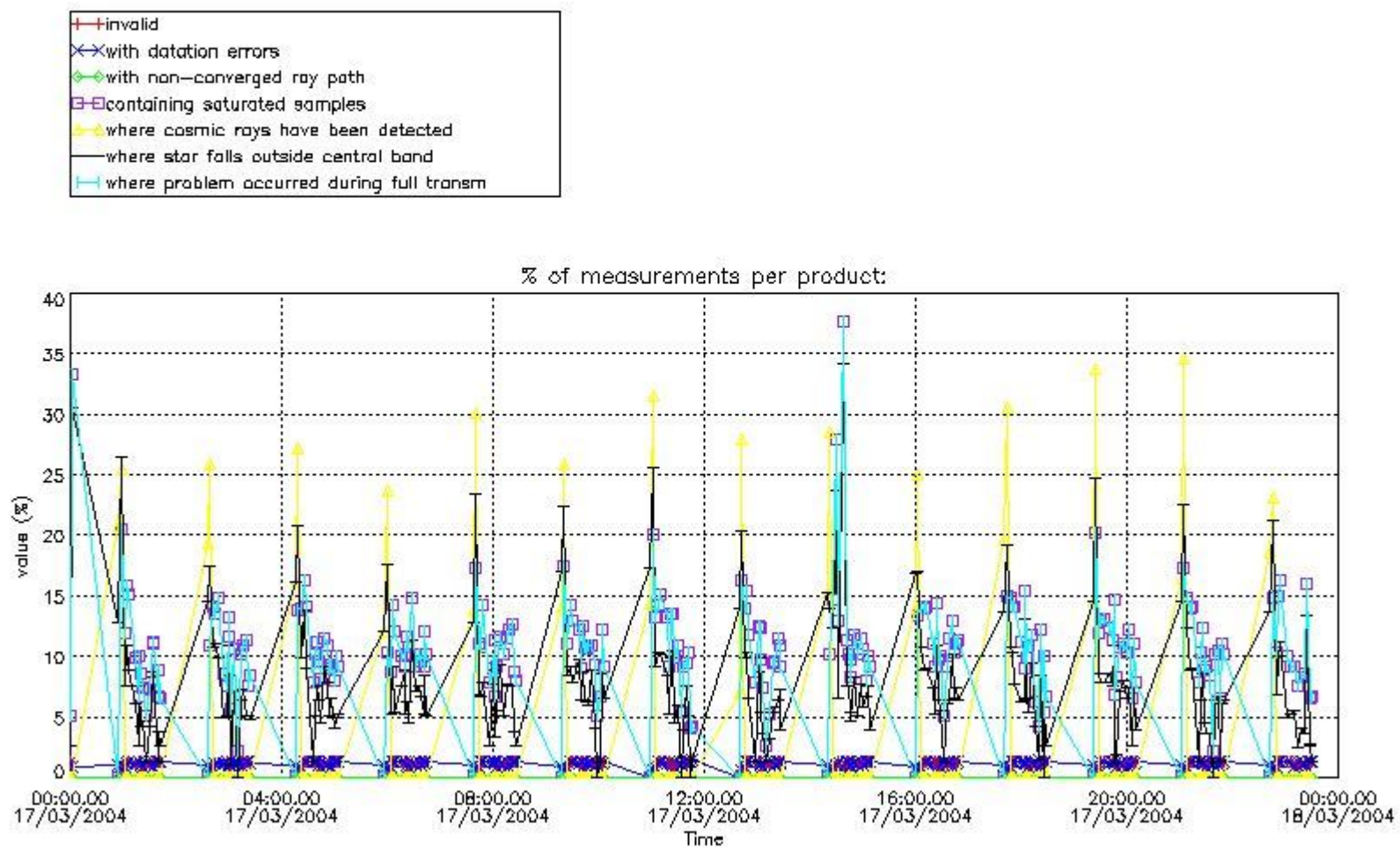
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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

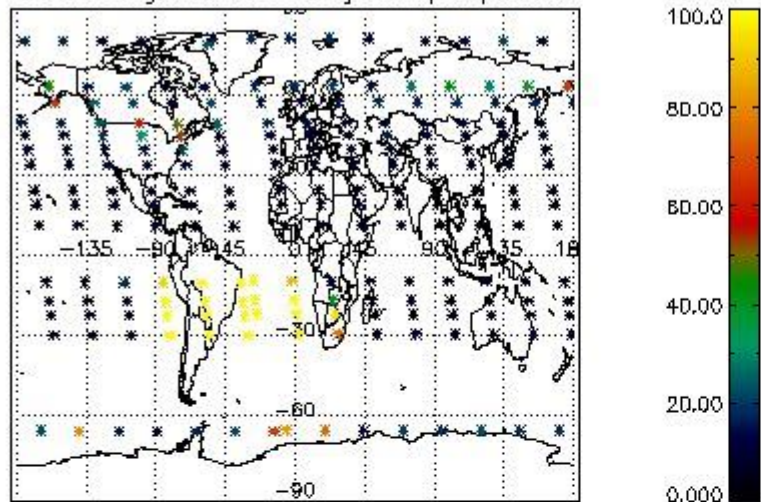


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

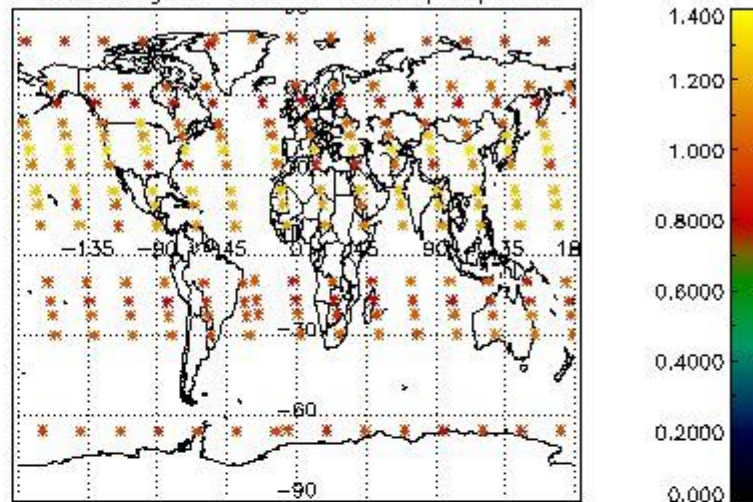


4.2 Plot quality information per product coming from level 1b processing (world map)  
 4.2.1 Plot level 1 quality information per product (world map): ENVISAT ASCENDING passes

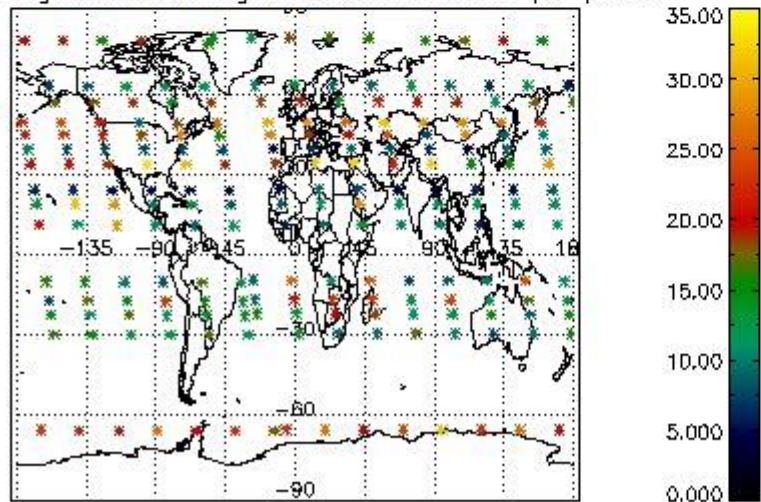
Percentage of cosmic ray hits per profile



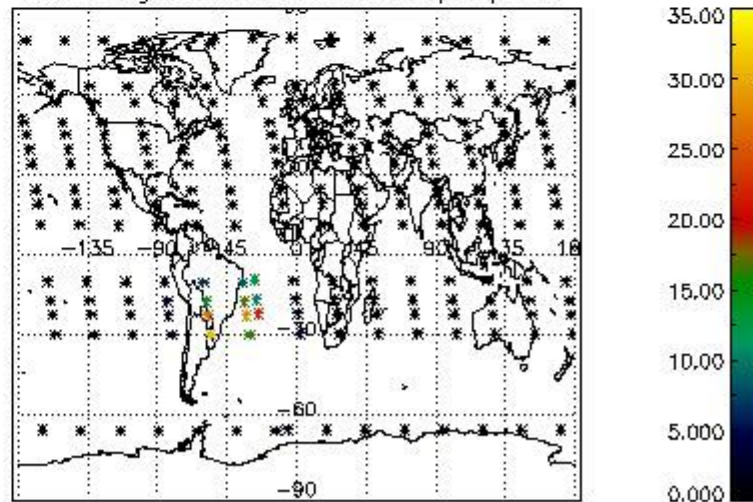
Percentage of datation errors per profile



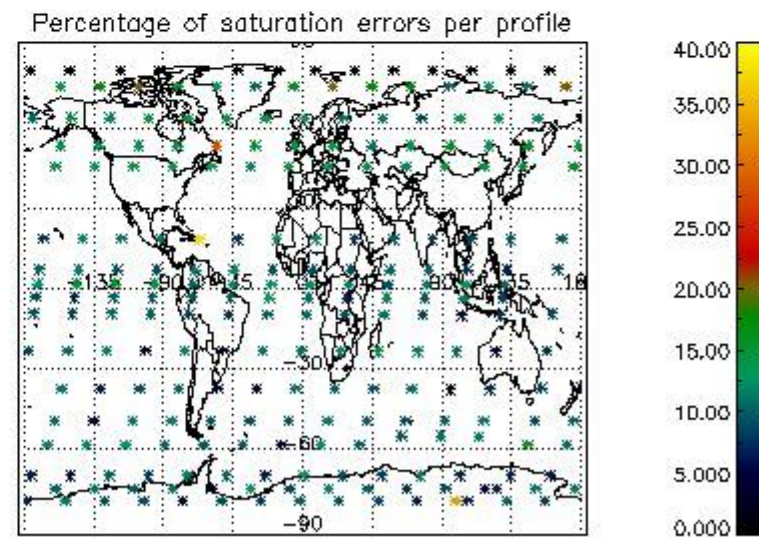
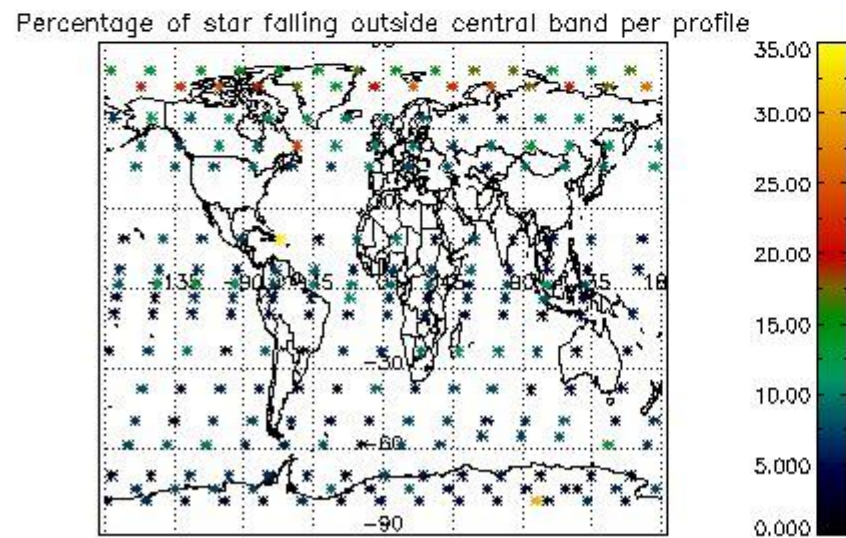
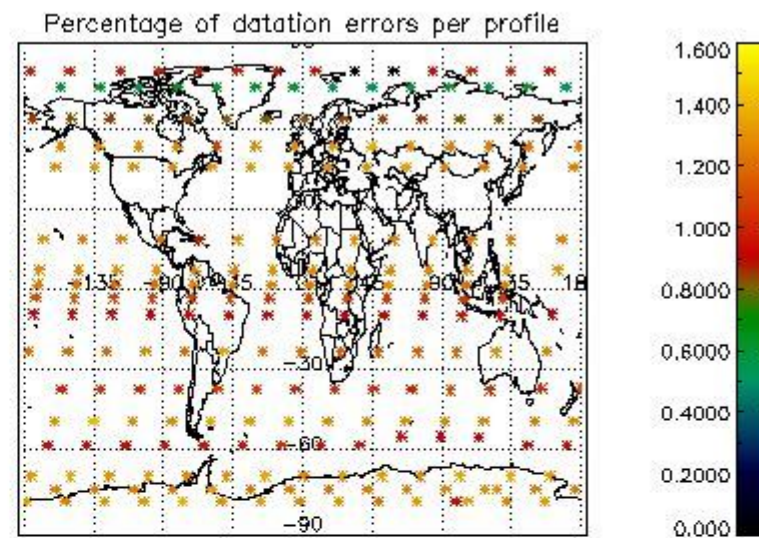
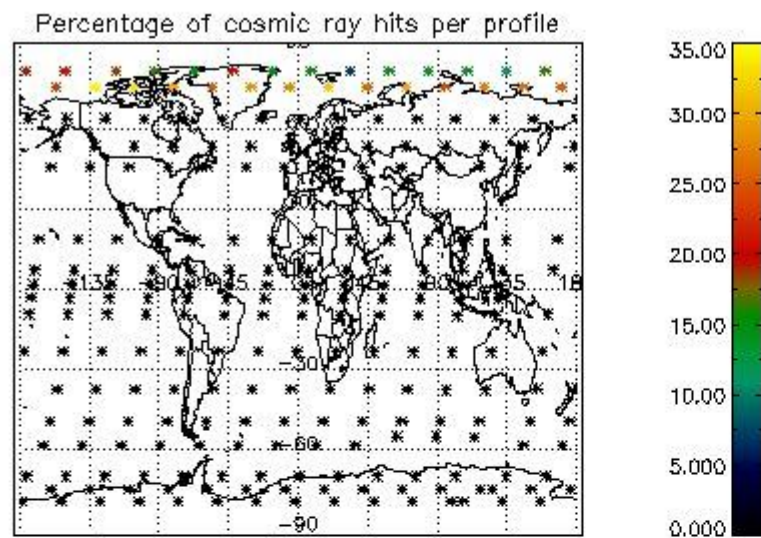
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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



## 5. Trace gas profiles

### 5.1 Ozone statistics based on quality of products

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

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

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

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

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

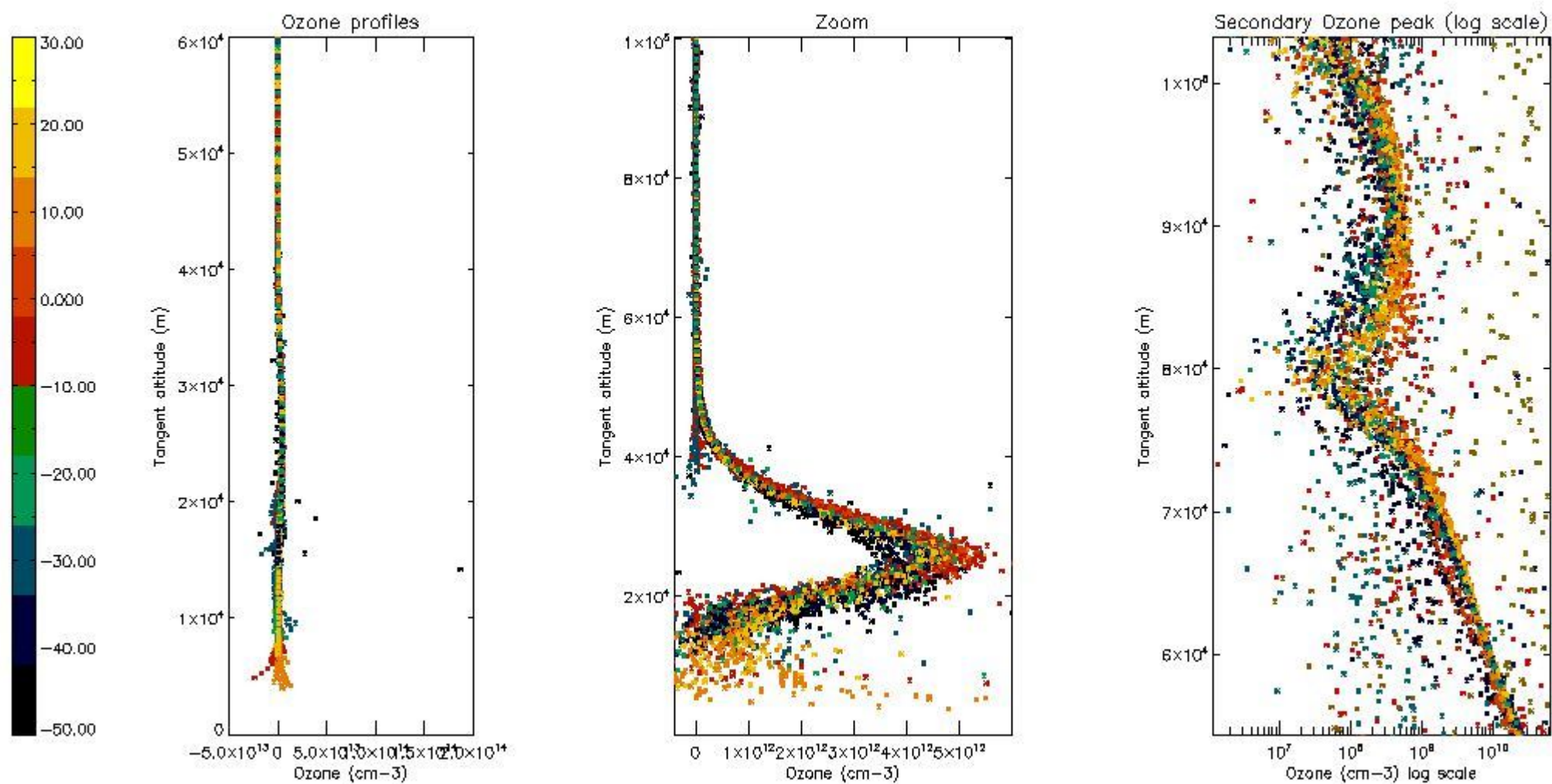
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

| Criteria | % of total production |
|----------|-----------------------|
| All STD  | 31                    |
| STD < 20 | 16                    |

|          |    |
|----------|----|
| STD < 10 | 13 |
| STD < 5  | 8  |

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

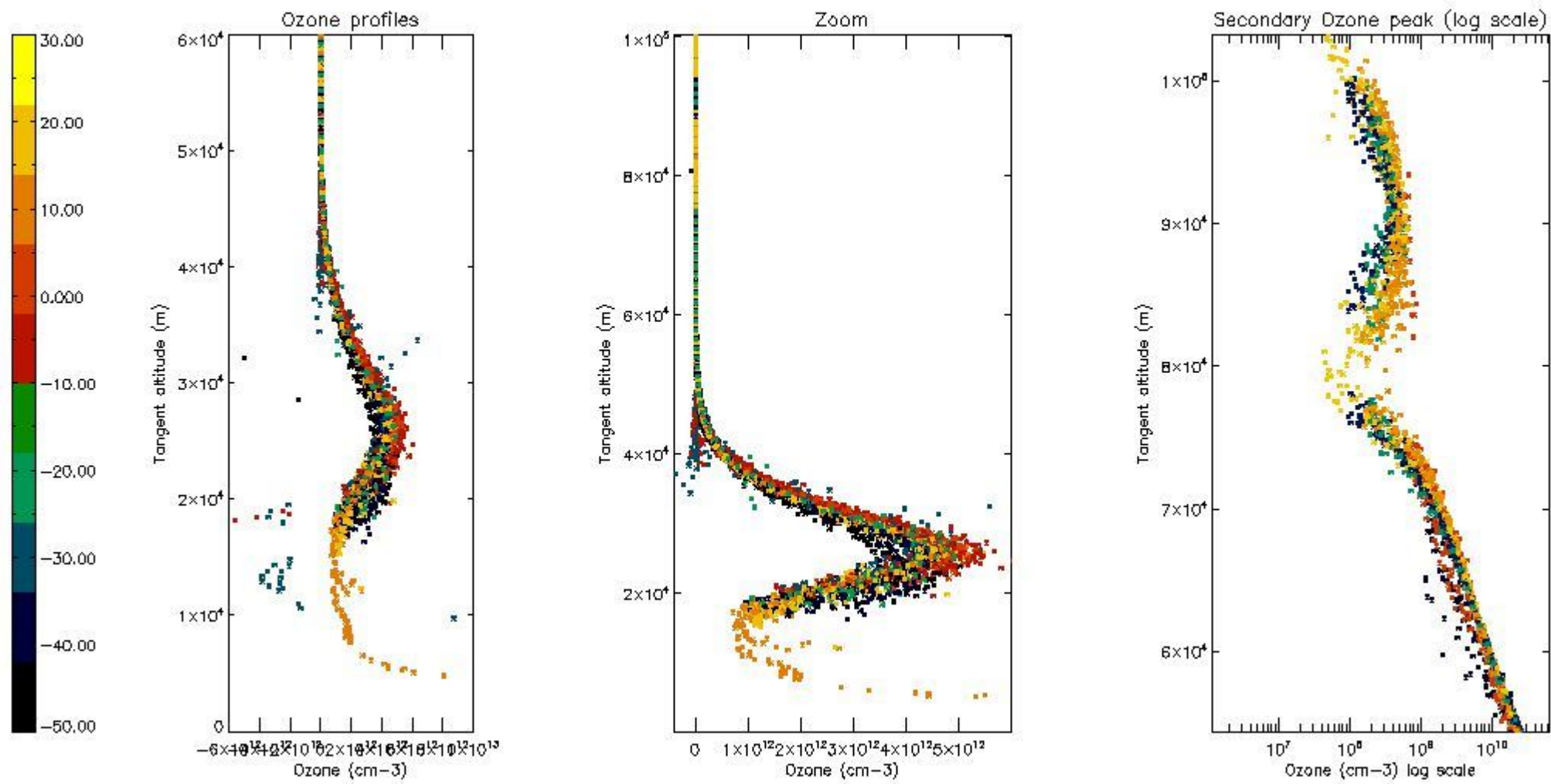
The colorbar represents the latitude.



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

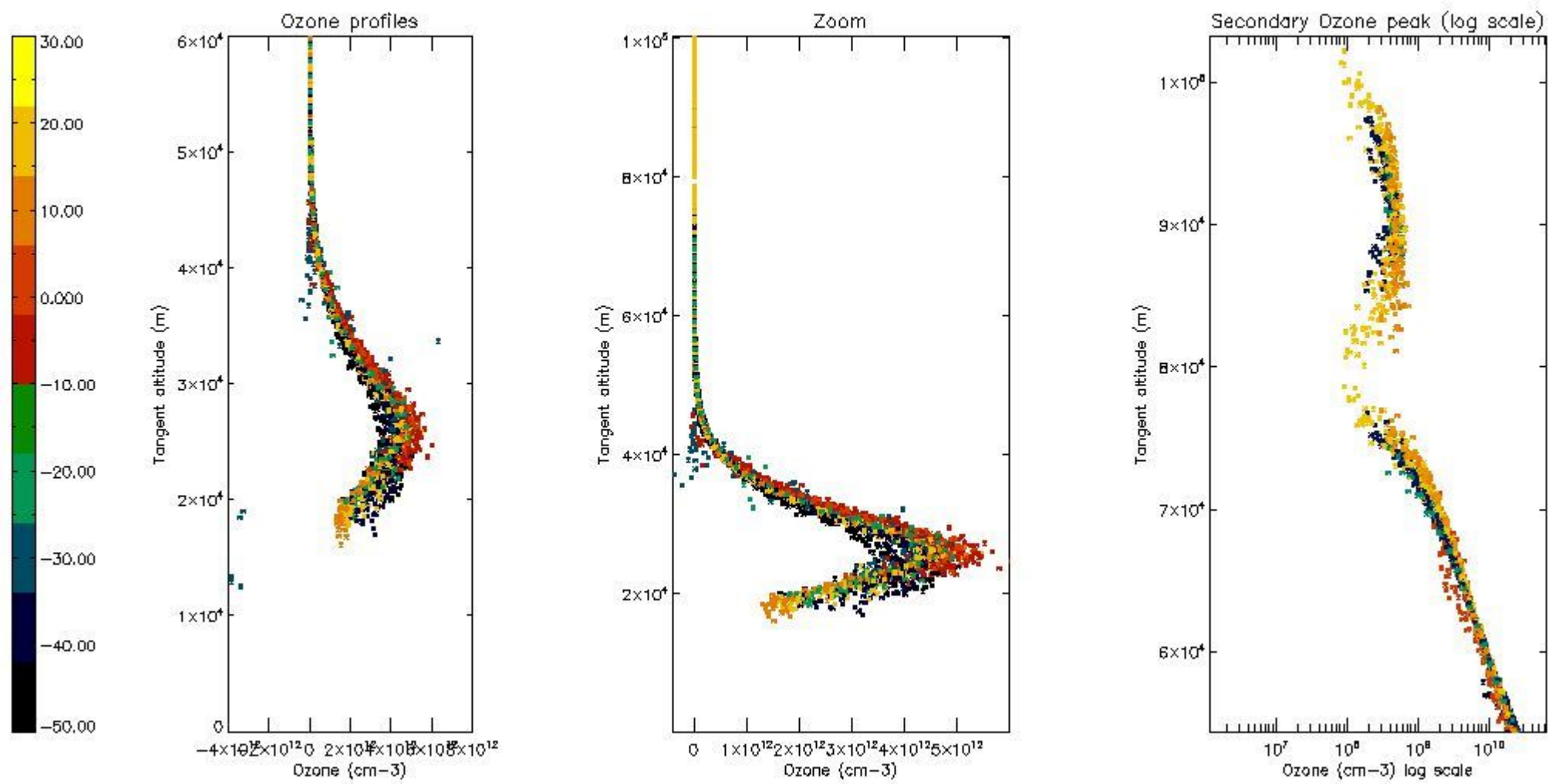
The colorbar represents the latitude.





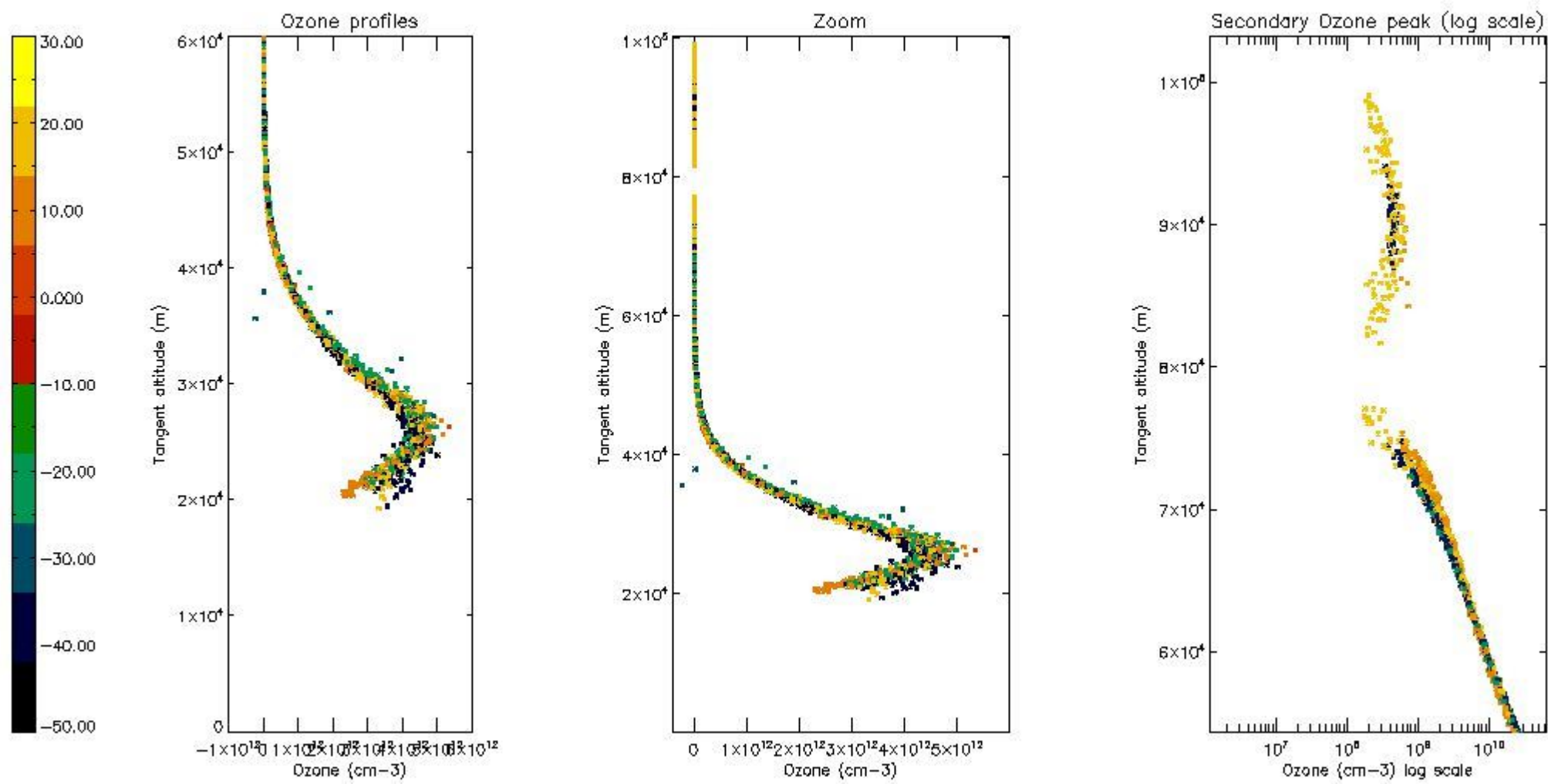
*5.4 Plot ozone profiles where STD < 10% (dark without errors)*

The colorbar represents the latitude.



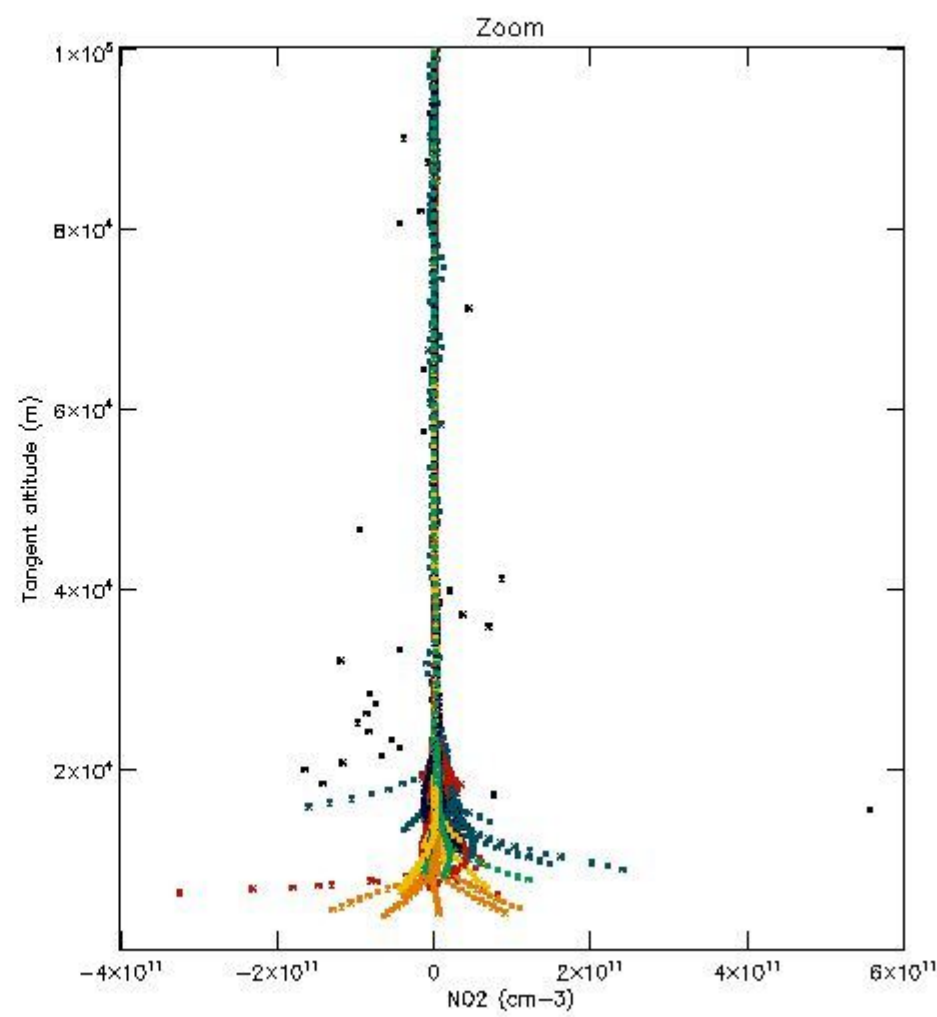
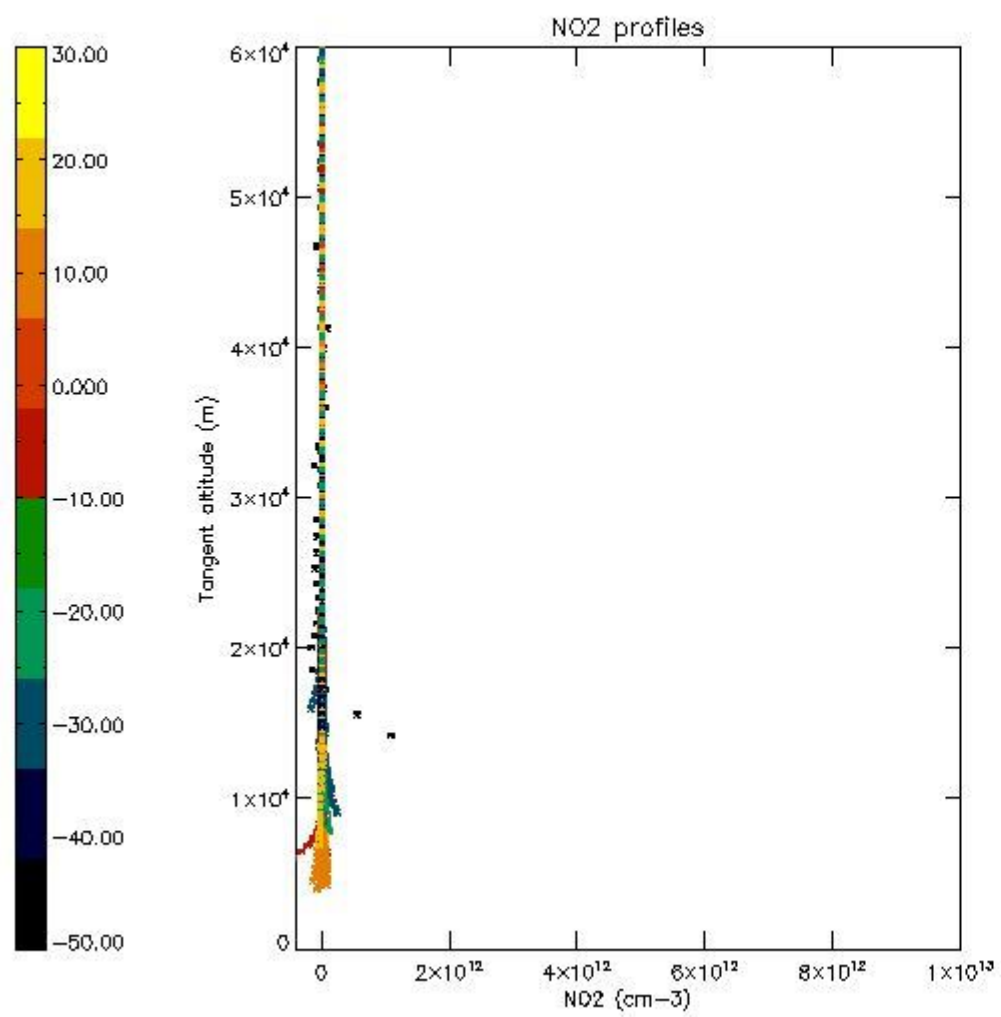
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



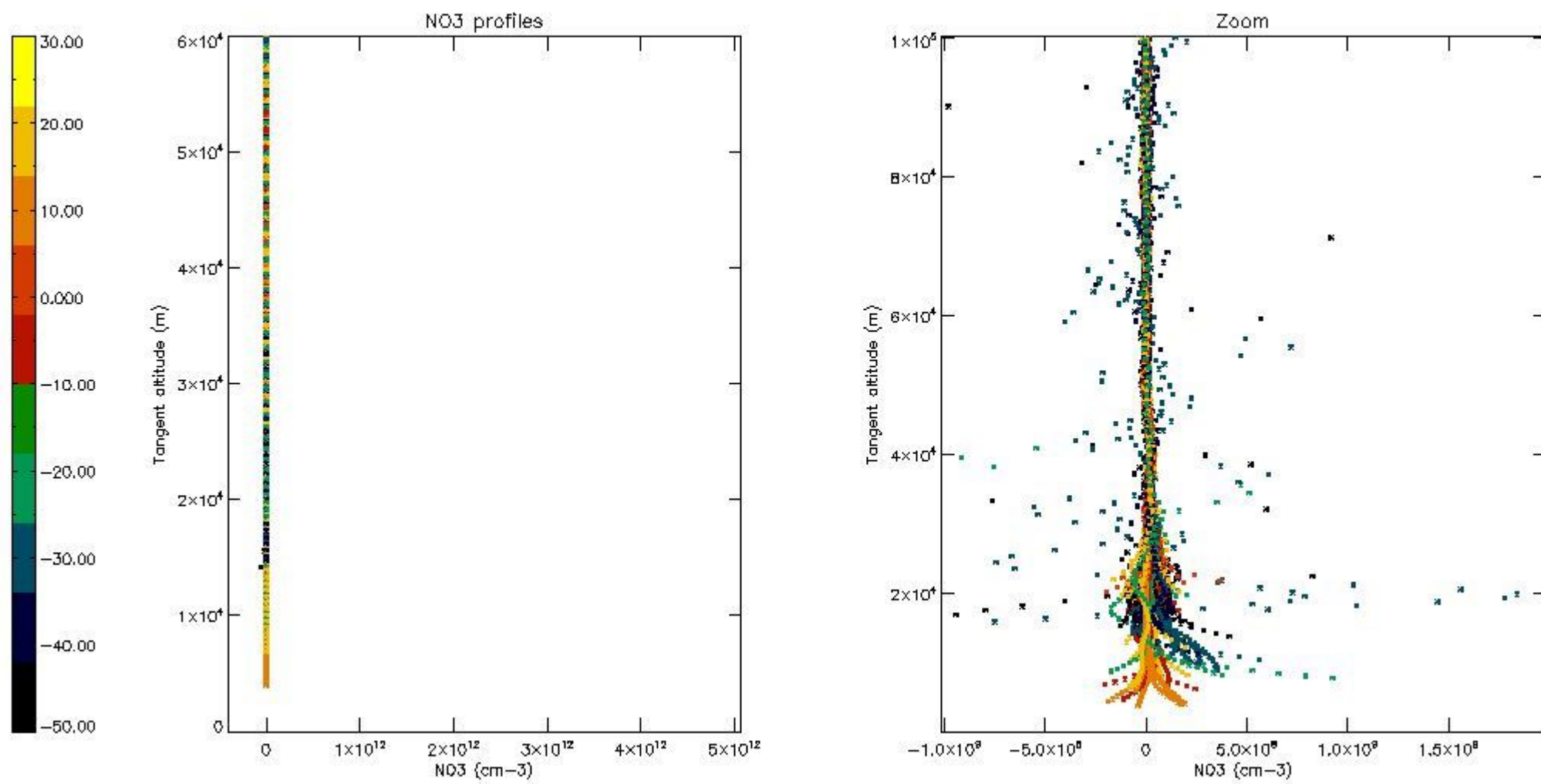
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



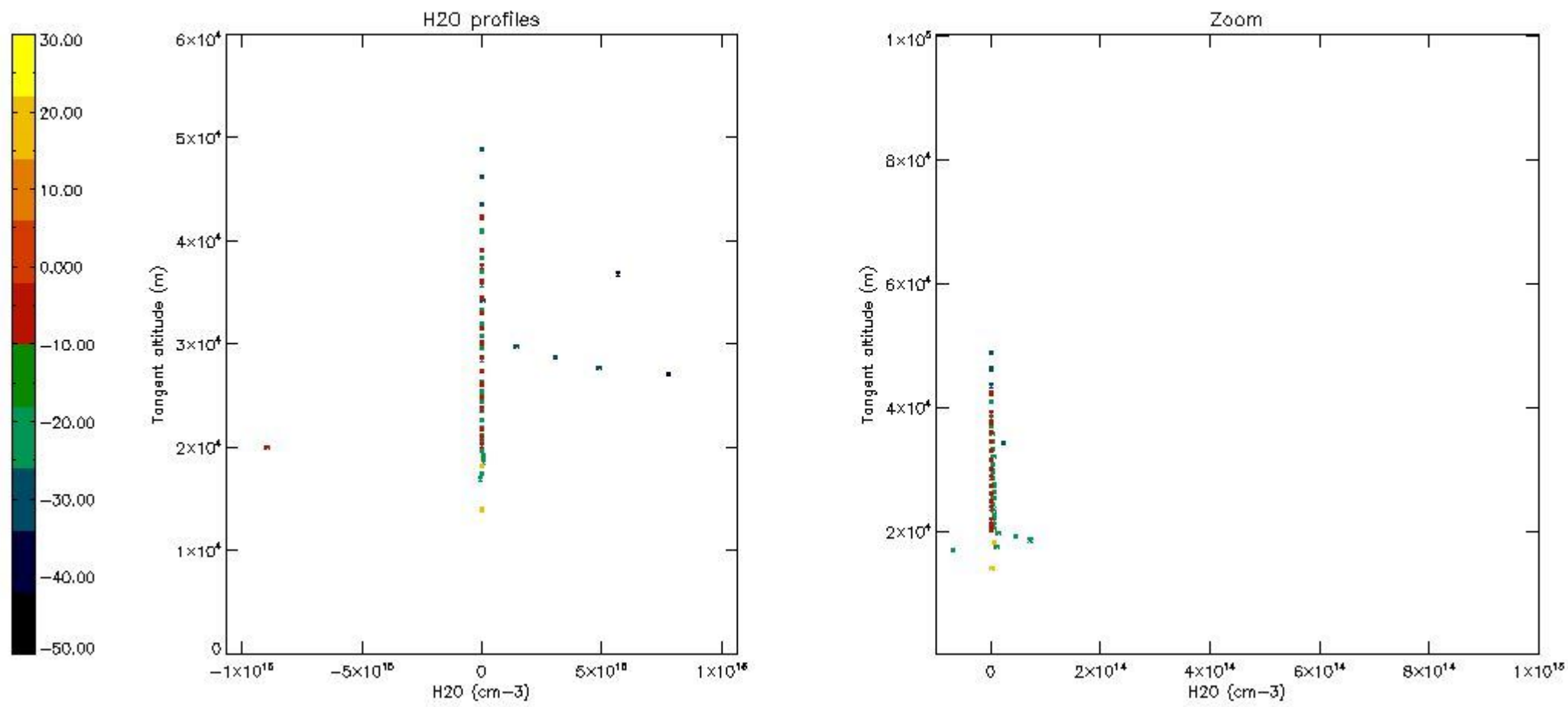
*5.7 Plot NO3 profiles for all STD (dark without errors)*

The colorbar represents the latitude.



5.8 Plot H<sub>2</sub>O profiles for all STD (only for occultations of stars 1,2,3,4,13,14,16,26,63 dark without errors)

The colorbar represents the latitude.



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

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

| Type                      | Auxiliary Filename  | Used since product | Used since product date |
|---------------------------|---|--------------------|-------------------------|
| INST_PHYS_CHARACTERISTICS | GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000 | 1                  | 17-MAR-2004 00:00:15    |
| LEVEL-2_PROC_CONFIG       | GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000 | 1                  | 17-MAR-2004 00:00:15    |
| CROSS_SECTIONS_FILE       | GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000 | 1                  | 17-MAR-2004 00:00:15    |

# GOMOS Level 2 Daily Report

## SUMMARY

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#### [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 | 18APR2013 21:42:43              |
| Data source version       | GOMOS/6.01                      |
| Start time of products    | 17-03-2004 (17MAR2004 00:00:00) |
| Stop time of products     | 18-03-2004 (18MAR2004 00:00:00) |
| Store outputs in DB       | Yes                             |
| Nb of level 2 prods       | 452                             |
| 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__2PRFIN20040317_000015_000000392025_00116_10691_0607.N1 | 17-MAR-2004 00:00:15 | Bright         | 39.000   | 66      | 37Gam Cyg | 2.2080    | 5900.0    | 78      | 10691 | No          |
| 2  | GOM_NL__2PRFIN20040317_000158_000000542025_00116_10691_0608.N1 | 17-MAR-2004 00:01:58 | Bright         | 54.000   | 92      | 53Eps Cyg | 2.5000    | 4500.0    | 108     | 10691 | No          |
| 3  | GOM_NL__2PRFIN20040317_001024_000000532025_00116_10691_0609.N1 | 17-MAR-2004 00:10:24 | Twilight_stray | 52.500   | 11      | 53Alp Aql | 0.76500   | 8000.0    | 105     | 10691 | No          |
| 4  | GOM_NL__2PRFIN20040317_002042_000000502025_00116_10691_0610.N1 | 17-MAR-2004 00:20:42 | Dark           | 49.500   | 155     | 41Pi Sgr  | 2.9000    | 6600.0    | 99      | 10691 | No          |
| 5  | GOM_NL__2PRFIN20040317_002244_000000522025_00116_10691_0611.N1 | 17-MAR-2004 00:22:44 | Dark           | 52.000   | 57      | 34Sig Sgr | 2.0660    | 26000.    | 104     | 10691 | No          |
| 6  | GOM_NL__2PRFIN20040317_002412_000000562025_00116_10691_0612.N1 | 17-MAR-2004 00:24:12 | Dark           | 55.500   | 137     | 22Lam Sgr | 2.8240    | 4400.0    | 111     | 10691 | No          |
| 7  | GOM_NL__2PRFIN20040317_002612_000000552025_00116_10691_0613.N1 | 17-MAR-2004 00:26:12 | Dark           | 54.500   | 38      | 20Eps Sgr | 1.8360    | 11000.    | 109     | 10691 | No          |
| 8  | GOM_NL__2PRFIN20040317_003209_000000462025_00117_10692_0582.N1 | 17-MAR-2004 00:32:09 | Dark           | 45.500   | 141     | Bet Ara   | 2.8400    | 4600.0    | 91      | 10692 | No          |
| 9  | GOM_NL__2PRFIN20040317_003421_000000432025_00117_10692_0583.N1 | 17-MAR-2004 00:34:21 | Dark           | 42.500   | 43      | Alp TrA   | 1.9100    | 4250.0    | 85      | 10692 | No          |
| 10 | GOM_NL__2PRFIN20040317_003550_000000412025_00117_10692_0584.N1 | 17-MAR-2004 00:35:50 | Dark           | 40.500   | 134     | Bet TrA   | 2.8100    | 6600.0    | 81      | 10692 | No          |
| 11 | GOM_NL__2PRFIN20040317_003833_000000492025_00117_10692_0585.N1 | 17-MAR-2004 00:38:33 | Dark           | 49.000   | 4       | Alp1Cen   | -0.010000 | 5800.0    | 98      | 10692 | No          |
| 12 | GOM_NL__2PRFIN20040317_004009_000000392025_00117_10692_0586.N1 | 17-MAR-2004 00:40:09 | Dark           | 39.000   | 112     | Alp Mus   | 2.6880    | 26000.    | 78      | 10692 | No          |
| 13 | GOM_NL__2PRFIN20040317_004137_000000472025_00117_10692_0587.N1 | 17-MAR-2004 00:41:37 | Dark           | 47.000   | 12      | Alp1Cru   | 0.77500   | 30000.    | 94      | 10692 | No          |
| 14 | GOM_NL__2PRFIN20040317_004254_000000542025_00117_10692_0588.N1 | 17-MAR-2004 00:42:54 | Straylight     | 54.000   | 26      | Gam Cru   | 1.6240    | 2900.0    | 108     | 10692 | No          |
| 15 | GOM_NL__2PRFIN20040317_004510_000000642025_00117_10692_0589.N1 | 17-MAR-2004 00:45:10 | Straylight     | 64.000   | 54      | 5The Cen  | 2.0550    | 4500.0    | 128     | 10692 | No          |
| 16 | GOM_NL__2PRFIN20040317_004656_000000522025_00117_10692_0590.N1 | 17-MAR-2004 00:46:56 | Straylight     | 52.000   | 123     | lot Cen   | 2.7500    | 10200.    | 104     | 10692 | No          |
| 17 | GOM_NL__2PRFIN20040317_005239_000000562025_00117_10692_0591.N1 | 17-MAR-2004 00:52:39 | Straylight     | 55.500   | 106     | 9Bet Crv  | 2.6480    | 5600.0    | 111     | 10692 | No          |
| 18 | GOM_NL__2PRFIN20040317_005457_000000512025_00117_10692_0592.N1 | 17-MAR-2004 00:54:57 | Twilight_stray | 50.500   | 100     | 4Gam Crv  | 2.5800    | 13100.    | 101     | 10692 | No          |
| 19 | GOM_NL__2PRFIN20040317_005738_000000932025_00117_10692_0593.N1 | 17-MAR-2004 00:57:38 | Bright         | 92.500   | 15      | 67Alp Vir | 0.97600   | 28000.    | 185     | 10692 | No          |
| 20 | GOM_NL__2PRFIN20040317_010122_000000592025_00117_10692_0594.N1 | 17-MAR-2004 01:01:22 | Bright         | 59.000   | 121     | 29Gam Vir | 2.7400    | 7200.0    | 118     | 10692 | No          |
| 21 | GOM_NL__2PRFIN20040317_010417_000000412025_00117_10692_0595.N1 | 17-MAR-2004 01:04:17 | Bright         | 41.000   | 22      | 32Alp Leo | 1.3600    | 15200.    | 82      | 10692 | No          |
| 22 | GOM_NL__2PRFIN20040317_010632_000000402025_00117_10692_0596.N1 | 17-MAR-2004 01:06:32 | Bright         | 39.500   | 51      | 41Gam1Leo | 2.0100    | 4500.0    | 79      | 10692 | No          |
| 23 | GOM_NL__2PRFIN20040317_011412_000000412025_00117_10692_0597.N1 | 17-MAR-2004 01:14:12 | Bright         | 40.500   | 174     | 52Psi UMa | 3.0040    | 4400.0    | 81      | 10692 | No          |
| 24 | GOM_NL__2PRFIN20040317_011724_000000382025_00117_10692_0598.N1 | 17-MAR-2004 01:17:24 | Bright         | 37.500   | 82      | 48Bet UMa | 2.3650    | 10600.    | 75      | 10692 | No          |
| 25 | GOM_NL__2PRFIN20040317_011854_000000402025_00117_10692_0599.N1 | 17-MAR-2004 01:18:54 | Bright         | 40.000   | 36      | 50Alp UMa | 1.8000    | 6300.0    | 80      | 10692 | No          |
| 26 | GOM_NL__2PRFIN20040317_012021_000000472025_00117_10692_0600.N1 | 17-MAR-2004 01:20:21 | Bright         | 47.000   | 32      | 77Eps UMa | 1.7630    | 11000.    | 94      | 10692 | No          |
| 27 | GOM_NL__2PRFIN20040317_012210_000000542025_00117_10692_0601.N1 | 17-MAR-2004 01:22:10 | Bright         | 54.000   | 39      | 85Eta UMa | 1.8540    | 24000.    | 108     | 10692 | No          |
| 28 | GOM_NL__2PRFIN20040317_012556_000000392025_00117_10692_0602.N1 | 17-MAR-2004 01:25:56 | Bright         | 39.000   | 60      | 7Bet UMi  | 2.0810    | 3950.0    | 78      | 10692 | No          |
| 29 | GOM_NL__2PRFIN20040317_012956_000000482025_00117_10692_0603.N1 | 17-MAR-2004 01:29:56 | Bright         | 48.000   | 119     | 14Eta Dra | 2.7270    | 4700.0    | 96      | 10692 | No          |
| 30 | GOM_NL__2PRFIN20040317_013314_000000402025_00117_10692_0604.N1 | 17-MAR-2004 01:33:14 | Bright         | 40.000   | 74      | 11Bet Cas | 2.2680    | 6600.0    | 80      | 10692 | No          |
| 31 | GOM_NL__2PRFIN20040317_013457_000000552025_00117_10692_0605.N1 | 17-MAR-2004 01:34:57 | Bright         | 54.500   | 130     | 23Bet Dra | 2.7990    | 5800.0    | 109     | 10692 | No          |
| 32 | GOM_NL__2PRFIN20040317_013917_000000372025_00117_10692_0606.N1 | 17-MAR-2004 01:39:17 | Bright         | 37.000   | 19      | 50Alp Cyg | 1.2460    | 10500.    | 74      | 10692 | No          |
| 33 | GOM_NL__2PRFIN20040317_014051_000000402025_00117_10692_0607.N1 | 17-MAR-2004 01:40:51 | Bright         | 39.500   | 66      | 37Gam Cyg | 2.2080    | 5900.0    | 79      | 10692 | No          |
| 34 | GOM_NL__2PRFIN20040317_014235_000000382025_00117_10692_0608.N1 | 17-MAR-2004 01:42:35 | Bright         | 38.000   | 92      | 53Eps Cyg | 2.5000    | 4500.0    | 76      | 10692 | No          |
| 35 | GOM_NL__2PRFIN20040317_015101_000000542025_00117_10692_0609.N1 | 17-MAR-2004 01:51:01 | Twilight_stray | 54.000   | 11      | 53Alp Aql | 0.76500   | 8000.0    | 108     | 10692 | No          |
| 36 | GOM_NL__2PRFIN20040317_020118_000000542025_00117_10692_0610.N1 | 17-MAR-2004 02:01:18 | Dark           | 53.500   | 155     | 41Pi Sgr  | 2.9000    | 6600.0    | 107     | 10692 | No          |
| 37 | GOM_NL__2PRFIN20040317_020322_000000512025_00117_10692_0611.N1 | 17-MAR-2004 02:03:22 | Dark           | 51.000   | 57      | 34Sig Sgr | 2.0660    | 26000.    | 102     | 10692 | No          |
| 38 | GOM_NL__2PRFIN20040317_020449_000000572025_00117_10692_0612.N1 | 17-MAR-2004 02:04:49 | Dark           | 56.500   | 137     | 22Lam Sgr | 2.8240    | 4400.0    | 113     | 10692 | No          |
| 39 | GOM_NL__2PRFIN20040317_020651_000000542025_00117_10692_0613.N1 | 17-MAR-2004 02:06:51 | Dark           | 54.000   | 38      | 20Eps Sgr | 1.8360    | 11000.    | 108     | 10692 | No          |
| 40 | GOM_NL__2PRFIN20040317_021247_000000442025_00118_10693_0582.N1 | 17-MAR-2004 02:12:47 | Dark           | 44.000   | 141     | Bet Ara   | 2.8400    | 4600.0    | 88      | 10693 | No          |
| 41 | GOM_NL__2PRFIN20040317_021457_000000452025_00118_10693_0583.N1 | 17-MAR-2004 02:14:57 | Dark           | 45.000   | 43      | Alp TrA   | 1.9100    | 4250.0    | 90      | 10693 | No          |
| 42 | GOM_NL__2PRFIN20040317_021627_000000402025_00118_10693_0584.N1 | 17-MAR-2004 02:16:27 | Dark           | 40.000   | 134     | Bet TrA   | 2.8100    | 6600.0    | 80      | 10693 | No          |



|     |  |                      |                |        |     |           |           |        |     |       |    |
|-----|--|----------------------|----------------|--------|-----|-----------|-----------|--------|-----|-------|----|
| 43  | GOM_NL__2PRFIN20040317_021910_000000572025_00118_10693_0585.N1 | 17-MAR-2004 02:19:10 | Dark           | 57.000 | 4   | Alp1Cen   | -0.010000 | 5800.0 | 114 | 10693 | No |
| 44  | GOM_NL__2PRFIN20040317_022046_000000392025_00118_10693_0586.N1 | 17-MAR-2004 02:20:46 | Dark           | 38.500 | 112 | Alp Mus   | 2.6880    | 26000. | 77  | 10693 | No |
| 45  | GOM_NL__2PRFIN20040317_022215_000000522025_00118_10693_0587.N1 | 17-MAR-2004 02:22:15 | Dark           | 51.500 | 12  | Alp1Cru   | 0.77500   | 30000. | 103 | 10693 | No |
| 46  | GOM_NL__2PRFIN20040317_022331_000000492025_00118_10693_0588.N1 | 17-MAR-2004 02:23:31 | Straylight     | 49.000 | 26  | Gam Cru   | 1.6240    | 2900.0 | 98  | 10693 | No |
| 47  | GOM_NL__2PRFIN20040317_022546_000000602025_00118_10693_0589.N1 | 17-MAR-2004 02:25:46 | Straylight     | 60.000 | 54  | 5The Cen  | 2.0550    | 4500.0 | 120 | 10693 | No |
| 48  | GOM_NL__2PRFIN20040317_022733_000000522025_00118_10693_0590.N1 | 17-MAR-2004 02:27:33 | Straylight     | 51.500 | 123 | lot Cen   | 2.7500    | 10200. | 103 | 10693 | No |
| 49  | GOM_NL__2PRFIN20040317_023315_000000542025_00118_10693_0591.N1 | 17-MAR-2004 02:33:15 | Straylight     | 54.000 | 106 | 9Bet Crv  | 2.6480    | 5600.0 | 108 | 10693 | No |
| 50  | GOM_NL__2PRFIN20040317_023533_000000522025_00118_10693_0592.N1 | 17-MAR-2004 02:35:33 | Tw_i_and_stray | 51.500 | 100 | 4Gam Crv  | 2.5800    | 13100. | 103 | 10693 | No |
| 51  | GOM_NL__2PRFIN20040317_023814_000000832025_00118_10693_0593.N1 | 17-MAR-2004 02:38:14 | Bright         | 83.000 | 15  | 67Alp Vir | 0.97600   | 28000. | 166 | 10693 | No |
| 52  | GOM_NL__2PRFIN20040317_024158_000000612025_00118_10693_0594.N1 | 17-MAR-2004 02:41:58 | Bright         | 60.500 | 121 | 29Gam Vir | 2.7400    | 7200.0 | 121 | 10693 | No |
| 53  | GOM_NL__2PRFIN20040317_024453_000000412025_00118_10693_0595.N1 | 17-MAR-2004 02:44:53 | Bright         | 40.500 | 22  | 32Alp Leo | 1.3600    | 15200. | 81  | 10693 | No |
| 54  | GOM_NL__2PRFIN20040317_024707_000000412025_00118_10693_0596.N1 | 17-MAR-2004 02:47:07 | Bright         | 40.500 | 51  | 41Gam1Leo | 2.0100    | 4500.0 | 81  | 10693 | No |
| 55  | GOM_NL__2PRFIN20040317_025447_000000412025_00118_10693_0597.N1 | 17-MAR-2004 02:54:47 | Bright         | 40.500 | 174 | 52Psi UMa | 3.0040    | 4400.0 | 81  | 10693 | No |
| 56  | GOM_NL__2PRFIN20040317_025759_000000402025_00118_10693_0598.N1 | 17-MAR-2004 02:57:59 | Bright         | 39.500 | 82  | 48Bet UMa | 2.3650    | 10600. | 79  | 10693 | No |
| 57  | GOM_NL__2PRFIN20040317_025930_000000422025_00118_10693_0599.N1 | 17-MAR-2004 02:59:30 | Bright         | 41.500 | 36  | 50Alp UMa | 1.8000    | 6300.0 | 83  | 10693 | No |
| 58  | GOM_NL__2PRFIN20040317_030057_000000482025_00118_10693_0600.N1 | 17-MAR-2004 03:00:57 | Bright         | 47.500 | 32  | 77Eps UMa | 1.7630    | 11000. | 95  | 10693 | No |
| 59  | GOM_NL__2PRFIN20040317_030244_000000532025_00118_10693_0601.N1 | 17-MAR-2004 03:02:44 | Bright         | 52.500 | 39  | 85Eta UMa | 1.8540    | 24000. | 105 | 10693 | No |
| 60  | GOM_NL__2PRFIN20040317_030632_000000432025_00118_10693_0602.N1 | 17-MAR-2004 03:06:32 | Bright         | 42.500 | 60  | 7Bet UMi  | 2.0810    | 3950.0 | 85  | 10693 | No |
| 61  | GOM_NL__2PRFIN20040317_031032_000000452025_00118_10693_0603.N1 | 17-MAR-2004 03:10:32 | Bright         | 45.000 | 119 | 14Eta Dra | 2.7270    | 4700.0 | 90  | 10693 | No |
| 62  | GOM_NL__2PRFIN20040317_031350_000000402025_00118_10693_0604.N1 | 17-MAR-2004 03:13:50 | Bright         | 39.500 | 74  | 11Bet Cas | 2.2680    | 6600.0 | 79  | 10693 | No |
| 63  | GOM_NL__2PRFIN20040317_031532_000000552025_00118_10693_0605.N1 | 17-MAR-2004 03:15:32 | Bright         | 55.000 | 130 | 23Bet Dra | 2.7990    | 5800.0 | 110 | 10693 | No |
| 64  | GOM_NL__2PRFIN20040317_031953_000000402025_00118_10693_0606.N1 | 17-MAR-2004 03:19:53 | Bright         | 39.500 | 19  | 50Alp Cyg | 1.2460    | 10500. | 79  | 10693 | No |
| 65  | GOM_NL__2PRFIN20040317_032127_000000402025_00118_10693_0607.N1 | 17-MAR-2004 03:21:27 | Bright         | 39.500 | 66  | 37Gam Cyg | 2.2080    | 5900.0 | 79  | 10693 | No |
| 66  | GOM_NL__2PRFIN20040317_032309_000000422025_00118_10693_0608.N1 | 17-MAR-2004 03:23:09 | Bright         | 41.500 | 92  | 53Eps Cyg | 2.5000    | 4500.0 | 83  | 10693 | No |
| 67  | GOM_NL__2PRFIN20040317_033137_000000532025_00118_10693_0609.N1 | 17-MAR-2004 03:31:37 | Tw_i_and_stray | 52.500 | 11  | 53Alp Aql | 0.76500   | 8000.0 | 105 | 10693 | No |
| 68  | GOM_NL__2PRFIN20040317_034155_000000512025_00118_10693_0610.N1 | 17-MAR-2004 03:41:55 | Dark           | 50.500 | 155 | 41Pi Sgr  | 2.9000    | 6600.0 | 101 | 10693 | No |
| 69  | GOM_NL__2PRFIN20040317_034359_000000492025_00118_10693_0611.N1 | 17-MAR-2004 03:43:59 | Dark           | 49.000 | 57  | 34Sig Sgr | 2.0660    | 26000. | 98  | 10693 | No |
| 70  | GOM_NL__2PRFIN20040317_034526_000000632025_00118_10693_0612.N1 | 17-MAR-2004 03:45:26 | Dark           | 62.500 | 137 | 22Lam Sgr | 2.8240    | 4400.0 | 125 | 10693 | No |
| 71  | GOM_NL__2PRFIN20040317_034728_000000492025_00118_10693_0613.N1 | 17-MAR-2004 03:47:28 | Dark           | 48.500 | 38  | 20Eps Sgr | 1.8360    | 11000. | 97  | 10693 | No |
| 72  | GOM_NL__2PRFIN20040317_035324_000000432025_00119_10694_0582.N1 | 17-MAR-2004 03:53:24 | Dark           | 43.000 | 141 | Bet Ara   | 2.8400    | 4600.0 | 86  | 10694 | No |
| 73  | GOM_NL__2PRFIN20040317_035537_000000402025_00119_10694_0583.N1 | 17-MAR-2004 03:55:37 | Dark           | 40.000 | 43  | Alp TrA   | 1.9100    | 4250.0 | 80  | 10694 | No |
| 74  | GOM_NL__2PRFIN20040317_035704_000000402025_00119_10694_0584.N1 | 17-MAR-2004 03:57:04 | Dark           | 39.500 | 134 | Bet TrA   | 2.8100    | 6600.0 | 79  | 10694 | No |
| 75  | GOM_NL__2PRFIN20040317_035948_000000572025_00119_10694_0585.N1 | 17-MAR-2004 03:59:48 | Dark           | 57.000 | 4   | Alp1Cen   | -0.010000 | 5800.0 | 114 | 10694 | No |
| 76  | GOM_NL__2PRFIN20040317_040122_000000392025_00119_10694_0586.N1 | 17-MAR-2004 04:01:22 | Dark           | 38.500 | 112 | Alp Mus   | 2.6880    | 26000. | 77  | 10694 | No |
| 77  | GOM_NL__2PRFIN20040317_040253_000000442025_00119_10694_0587.N1 | 17-MAR-2004 04:02:53 | Dark           | 44.000 | 12  | Alp1Cru   | 0.77500   | 30000. | 88  | 10694 | No |
| 78  | GOM_NL__2PRFIN20040317_040410_000000402025_00119_10694_0588.N1 | 17-MAR-2004 04:04:10 | Straylight     | 39.500 | 26  | Gam Cru   | 1.6240    | 2900.0 | 79  | 10694 | No |
| 79  | GOM_NL__2PRFIN20040317_040623_000000642025_00119_10694_0589.N1 | 17-MAR-2004 04:06:23 | Straylight     | 63.500 | 54  | 5The Cen  | 2.0550    | 4500.0 | 127 | 10694 | No |
| 80  | GOM_NL__2PRFIN20040317_040809_000000522025_00119_10694_0590.N1 | 17-MAR-2004 04:08:09 | Straylight     | 52.000 | 123 | lot Cen   | 2.7500    | 10200. | 104 | 10694 | No |
| 81  | GOM_NL__2PRFIN20040317_041352_000000572025_00119_10694_0591.N1 | 17-MAR-2004 04:13:52 | Straylight     | 57.000 | 106 | 9Bet Crv  | 2.6480    | 5600.0 | 114 | 10694 | No |
| 82  | GOM_NL__2PRFIN20040317_041609_000000532025_00119_10694_0592.N1 | 17-MAR-2004 04:16:09 | Tw_i_and_stray | 52.500 | 100 | 4Gam Crv  | 2.5800    | 13100. | 105 | 10694 | No |
| 83  | GOM_NL__2PRFIN20040317_041849_000000872025_00119_10694_0593.N1 | 17-MAR-2004 04:18:49 | Bright         | 86.500 | 15  | 67Alp Vir | 0.97600   | 28000. | 173 | 10694 | No |
| 84  | GOM_NL__2PRFIN20040317_042232_000000612025_00119_10694_0594.N1 | 17-MAR-2004 04:22:32 | Bright         | 61.000 | 121 | 29Gam Vir | 2.7400    | 7200.0 | 122 | 10694 | No |
| 85  | GOM_NL__2PRFIN20040317_042530_000000402025_00119_10694_0595.N1 | 17-MAR-2004 04:25:30 | Bright         | 40.000 | 22  | 32Alp Leo | 1.3600    | 15200. | 80  | 10694 | No |
| 86  | GOM_NL__2PRFIN20040317_042744_000000392025_00119_10694_0596.N1 | 17-MAR-2004 04:27:44 | Bright         | 39.000 | 51  | 41Gam1Leo | 2.0100    | 4500.0 | 78  | 10694 | No |
| 87  | GOM_NL__2PRFIN20040317_043524_000000392025_00119_10694_0597.N1 | 17-MAR-2004 04:35:24 | Bright         | 38.500 | 174 | 52Psi UMa | 3.0040    | 4400.0 | 77  | 10694 | No |
| 88  | GOM_NL__2PRFIN20040317_043836_000000402025_00119_10694_0598.N1 | 17-MAR-2004 04:38:36 | Bright         | 39.500 | 82  | 48Bet UMa | 2.3650    | 10600. | 79  | 10694 | No |
| 89  | GOM_NL__2PRFIN20040317_044006_000000402025_00119_10694_0599.N1 | 17-MAR-2004 04:40:06 | Bright         | 40.000 | 36  | 50Alp UMa | 1.8000    | 6300.0 | 80  | 10694 | No |
| 90  | GOM_NL__2PRFIN20040317_044132_000000472025_00119_10694_0600.N1 | 17-MAR-2004 04:41:32 | Bright         | 47.000 | 32  | 77Eps UMa | 1.7630    | 11000. | 94  | 10694 | No |
| 91  | GOM_NL__2PRFIN20040317_044319_000000552025_00119_10694_0601.N1 | 17-MAR-2004 04:43:19 | Bright         | 55.000 | 39  | 85Eta UMa | 1.8540    | 24000. | 110 | 10694 | No |
| 92  | GOM_NL__2PRFIN20040317_044707_000000442025_00119_10694_0602.N1 | 17-MAR-2004 04:47:07 | Bright         | 43.500 | 60  | 7Bet UMi  | 2.0810    | 3950.0 | 87  | 10694 | No |
| 93  | GOM_NL__2PRFIN20040317_045106_000000512025_00119_10694_0603.N1 | 17-MAR-2004 04:51:06 | Bright         | 50.500 | 119 | 14Eta Dra | 2.7270    | 4700.0 | 101 | 10694 | No |
| 94  | GOM_NL__2PRFIN20040317_045426_000000392025_00119_10694_0604.N1 | 17-MAR-2004 04:54:26 | Bright         | 39.000 | 74  | 11Bet Cas | 2.2680    | 6600.0 | 78  | 10694 | No |
| 95  | GOM_NL__2PRFIN20040317_045607_000000542025_00119_10694_0605.N1 | 17-MAR-2004 04:56:07 | Bright         | 54.000 | 130 | 23Bet Dra | 2.7990    | 5800.0 | 108 | 10694 | No |
| 96  | GOM_NL__2PRFIN20040317_050029_000000382025_00119_10694_0606.N1 | 17-MAR-2004 05:00:29 | Bright         | 37.500 | 19  | 50Alp Cyg | 1.2460    | 10500. | 75  | 10694 | No |
| 97  | GOM_NL__2PRFIN20040317_050204_000000402025_00119_10694_0607.N1 | 17-MAR-2004 05:02:04 | Bright         | 40.000 | 66  | 37Gam Cyg | 2.2080    | 5900.0 | 80  | 10694 | No |
| 98  | GOM_NL__2PRFIN20040317_050348_000000392025_00119_10694_0608.N1 | 17-MAR-2004 05:03:48 | Bright         | 38.500 | 92  | 53Eps Cyg | 2.5000    | 4500.0 | 77  | 10694 | No |
| 99  | GOM_NL__2PRFIN20040317_051214_000000562025_00119_10694_0609.N1 | 17-MAR-2004 05:12:14 | Tw_i_and_stray | 56.000 | 11  | 53Alp Aql | 0.76500   | 8000.0 | 112 | 10694 | No |
| 100 | GOM_NL__2PRFIN20040317_052232_000000502025_00119_10694_0610.N1 | 17-MAR-2004 05:22:32 | Dark           | 50.000 | 155 | 41Pi Sgr  | 2.9000    | 6600.0 | 100 | 10694 | No |
| 101 | GOM_NL__2PRFIN20040317_052436_000000522025_00119_10694_0611.N1 | 17-MAR-2004 05:24:36 | Dark           | 52.000 | 57  | 34Sig Sgr | 2.0660    | 26000. | 104 | 10694 | No |

|     |  |                      |                |        |     |           |           |        |     |       |    |
|-----|--|----------------------|----------------|--------|-----|-----------|-----------|--------|-----|-------|----|
| 102 | GOM_NL__2PRFIN20040317_052604_000000572025_00119_10694_0612.N1 | 17-MAR-2004 05:26:04 | Dark           | 56.500 | 137 | 22Lam Sgr | 2.8240    | 4400.0 | 113 | 10694 | No |
| 103 | GOM_NL__2PRFIN20040317_052806_000000502025_00119_10694_0613.N1 | 17-MAR-2004 05:28:06 | Dark           | 50.000 | 38  | 20Eps Sgr | 1.8360    | 11000. | 100 | 10694 | No |
| 104 | GOM_NL__2PRFIN20040317_053401_000000542025_00120_10695_0604.N1 | 17-MAR-2004 05:34:01 | Dark           | 54.000 | 141 | Bet Ara   | 2.8400    | 4600.0 | 108 | 10695 | No |
| 105 | GOM_NL__2PRFIN20040317_053613_000000512025_00120_10695_0605.N1 | 17-MAR-2004 05:36:13 | Dark           | 51.000 | 43  | Alp TrA   | 1.9100    | 4250.0 | 102 | 10695 | No |
| 106 | GOM_NL__2PRFIN20040317_053740_000000402025_00120_10695_0606.N1 | 17-MAR-2004 05:37:40 | Dark           | 39.500 | 134 | Bet TrA   | 2.8100    | 6600.0 | 79  | 10695 | No |
| 107 | GOM_NL__2PRFIN20040317_054024_000000482025_00120_10695_0607.N1 | 17-MAR-2004 05:40:24 | Dark           | 47.500 | 4   | Alp1Cen   | -0.010000 | 5800.0 | 95  | 10695 | No |
| 108 | GOM_NL__2PRFIN20040317_054159_000000392025_00120_10695_0608.N1 | 17-MAR-2004 05:41:59 | Dark           | 38.500 | 112 | Alp Mus   | 2.6880    | 26000. | 77  | 10695 | No |
| 109 | GOM_NL__2PRFIN20040317_054329_000000452025_00120_10695_0609.N1 | 17-MAR-2004 05:43:29 | Dark           | 45.000 | 12  | Alp1Cru   | 0.77500   | 30000. | 90  | 10695 | No |
| 110 | GOM_NL__2PRFIN20040317_054447_000000472025_00120_10695_0610.N1 | 17-MAR-2004 05:44:47 | Straylight     | 46.500 | 26  | Gam Cru   | 1.6240    | 2900.0 | 93  | 10695 | No |
| 111 | GOM_NL__2PRFIN20040317_054700_000000632025_00120_10695_0611.N1 | 17-MAR-2004 05:47:00 | Straylight     | 62.500 | 54  | 5The Cen  | 2.0550    | 4500.0 | 125 | 10695 | No |
| 112 | GOM_NL__2PRFIN20040317_054846_000000492025_00120_10695_0612.N1 | 17-MAR-2004 05:48:46 | Straylight     | 49.000 | 123 | lot Cen   | 2.7500    | 10200. | 98  | 10695 | No |
| 113 | GOM_NL__2PRFIN20040317_055428_000000562025_00120_10695_0613.N1 | 17-MAR-2004 05:54:28 | Straylight     | 56.000 | 106 | 9Bet Crv  | 2.6480    | 5600.0 | 112 | 10695 | No |
| 114 | GOM_NL__2PRFIN20040317_055645_000000502025_00120_10695_0614.N1 | 17-MAR-2004 05:56:45 | Tw_i_and_stray | 50.000 | 100 | 4Gam Crv  | 2.5800    | 13100. | 100 | 10695 | No |
| 115 | GOM_NL__2PRFIN20040317_055925_000000832025_00120_10695_0615.N1 | 17-MAR-2004 05:59:25 | Bright         | 82.500 | 15  | 67Alp Vir | 0.97600   | 28000. | 165 | 10695 | No |
| 116 | GOM_NL__2PRFIN20040317_060308_000000582025_00120_10695_0616.N1 | 17-MAR-2004 06:03:08 | Bright         | 57.500 | 121 | 29Gam Vir | 2.7400    | 7200.0 | 115 | 10695 | No |
| 117 | GOM_NL__2PRFIN20040317_060607_000000392025_00120_10695_0617.N1 | 17-MAR-2004 06:06:07 | Bright         | 38.500 | 22  | 32Alp Leo | 1.3600    | 15200. | 77  | 10695 | No |
| 118 | GOM_NL__2PRFIN20040317_060820_000000382025_00120_10695_0618.N1 | 17-MAR-2004 06:08:20 | Bright         | 37.500 | 51  | 41Gam1Leo | 2.0100    | 4500.0 | 75  | 10695 | No |
| 119 | GOM_NL__2PRFIN20040317_061600_000000402025_00120_10695_0619.N1 | 17-MAR-2004 06:16:00 | Bright         | 40.000 | 174 | 52Psi UMa | 3.0040    | 4400.0 | 80  | 10695 | No |
| 120 | GOM_NL__2PRFIN20040317_061912_000000402025_00120_10695_0620.N1 | 17-MAR-2004 06:19:12 | Bright         | 39.500 | 82  | 48Bet UMa | 2.3650    | 10600. | 79  | 10695 | No |
| 121 | GOM_NL__2PRFIN20040317_062042_000000392025_00120_10695_0621.N1 | 17-MAR-2004 06:20:42 | Bright         | 38.500 | 36  | 50Alp UMa | 1.8000    | 6300.0 | 77  | 10695 | No |
| 122 | GOM_NL__2PRFIN20040317_062207_000000482025_00120_10695_0622.N1 | 17-MAR-2004 06:22:07 | Bright         | 47.500 | 32  | 77Eps UMa | 1.7630    | 11000. | 95  | 10695 | No |
| 123 | GOM_NL__2PRFIN20040317_062354_000000562025_00120_10695_0623.N1 | 17-MAR-2004 06:23:54 | Bright         | 55.500 | 39  | 85Eta UMa | 1.8540    | 24000. | 111 | 10695 | No |
| 124 | GOM_NL__2PRFIN20040317_062743_000000442025_00120_10695_0624.N1 | 17-MAR-2004 06:27:43 | Bright         | 44.000 | 60  | 7Bet UMi  | 2.0810    | 3950.0 | 88  | 10695 | No |
| 125 | GOM_NL__2PRFIN20040317_063142_000000502025_00120_10695_0625.N1 | 17-MAR-2004 06:31:42 | Bright         | 49.500 | 119 | 14Eta Dra | 2.7270    | 4700.0 | 99  | 10695 | No |
| 126 | GOM_NL__2PRFIN20040317_063503_000000402025_00120_10695_0626.N1 | 17-MAR-2004 06:35:03 | Bright         | 39.500 | 74  | 11Bet Cas | 2.2680    | 6600.0 | 79  | 10695 | No |
| 127 | GOM_NL__2PRFIN20040317_063743_000000522025_00120_10695_0627.N1 | 17-MAR-2004 06:37:43 | Bright         | 52.000 | 69  | 33Gam Dra | 2.2310    | 3800.0 | 104 | 10695 | No |
| 128 | GOM_NL__2PRFIN20040317_064105_000000382025_00120_10695_0628.N1 | 17-MAR-2004 06:41:05 | Bright         | 38.000 | 19  | 50Alp Cyg | 1.2460    | 10500. | 76  | 10695 | No |
| 129 | GOM_NL__2PRFIN20040317_064239_000000422025_00120_10695_0629.N1 | 17-MAR-2004 06:42:39 | Bright         | 41.500 | 66  | 37Gam Cyg | 2.2080    | 5900.0 | 83  | 10695 | No |
| 130 | GOM_NL__2PRFIN20040317_064424_000000402025_00120_10695_0630.N1 | 17-MAR-2004 06:44:24 | Bright         | 39.500 | 92  | 53Eps Cyg | 2.5000    | 4500.0 | 79  | 10695 | No |
| 131 | GOM_NL__2PRFIN20040317_065250_000000522025_00120_10695_0631.N1 | 17-MAR-2004 06:52:50 | Tw_i_and_stray | 51.500 | 11  | 53Alp Aql | 0.76500   | 8000.0 | 103 | 10695 | No |
| 132 | GOM_NL__2PRFIN20040317_070309_000000512025_00120_10695_0632.N1 | 17-MAR-2004 07:03:09 | Dark           | 50.500 | 155 | 41Pi Sgr  | 2.9000    | 6600.0 | 101 | 10695 | No |
| 133 | GOM_NL__2PRFIN20040317_070513_000000492025_00120_10695_0633.N1 | 17-MAR-2004 07:05:13 | Dark           | 49.000 | 57  | 34Sig Sgr | 2.0660    | 26000. | 98  | 10695 | No |
| 134 | GOM_NL__2PRFIN20040317_070640_000000592025_00120_10695_0634.N1 | 17-MAR-2004 07:06:40 | Dark           | 58.500 | 137 | 22Lam Sgr | 2.8240    | 4400.0 | 117 | 10695 | No |
| 135 | GOM_NL__2PRFIN20040317_070843_000000532025_00120_10695_0635.N1 | 17-MAR-2004 07:08:43 | Dark           | 52.500 | 38  | 20Eps Sgr | 1.8360    | 11000. | 105 | 10695 | No |
| 136 | GOM_NL__2PRFIN20040317_071438_000000442025_00121_10696_0606.N1 | 17-MAR-2004 07:14:38 | Dark           | 44.000 | 141 | Bet Ara   | 2.8400    | 4600.0 | 88  | 10696 | No |
| 137 | GOM_NL__2PRFIN20040317_071650_000000532025_00121_10696_0607.N1 | 17-MAR-2004 07:16:50 | Dark           | 52.500 | 43  | Alp TrA   | 1.9100    | 4250.0 | 105 | 10696 | No |
| 138 | GOM_NL__2PRFIN20040317_071817_000000402025_00121_10696_0608.N1 | 17-MAR-2004 07:18:17 | Dark           | 40.000 | 134 | Bet TrA   | 2.8100    | 6600.0 | 80  | 10696 | No |
| 139 | GOM_NL__2PRFIN20040317_072101_000000482025_00121_10696_0609.N1 | 17-MAR-2004 07:21:01 | Dark           | 48.000 | 4   | Alp1Cen   | -0.010000 | 5800.0 | 96  | 10696 | No |
| 140 | GOM_NL__2PRFIN20040317_072235_000000382025_00121_10696_0610.N1 | 17-MAR-2004 07:22:35 | Dark           | 38.000 | 112 | Alp Mus   | 2.6880    | 26000. | 76  | 10696 | No |
| 141 | GOM_NL__2PRFIN20040317_072406_000000462025_00121_10696_0611.N1 | 17-MAR-2004 07:24:06 | Dark           | 46.000 | 12  | Alp1Cru   | 0.77500   | 30000. | 92  | 10696 | No |
| 142 | GOM_NL__2PRFIN20040317_072523_000000482025_00121_10696_0612.N1 | 17-MAR-2004 07:25:23 | Straylight     | 47.500 | 26  | Gam Cru   | 1.6240    | 2900.0 | 95  | 10696 | No |
| 143 | GOM_NL__2PRFIN20040317_072737_000000612025_00121_10696_0613.N1 | 17-MAR-2004 07:27:37 | Straylight     | 61.000 | 54  | 5The Cen  | 2.0550    | 4500.0 | 122 | 10696 | No |
| 144 | GOM_NL__2PRFIN20040317_072923_000000482025_00121_10696_0614.N1 | 17-MAR-2004 07:29:23 | Straylight     | 48.000 | 123 | lot Cen   | 2.7500    | 10200. | 96  | 10696 | No |
| 145 | GOM_NL__2PRFIN20040317_073505_000000532025_00121_10696_0615.N1 | 17-MAR-2004 07:35:05 | Straylight     | 53.000 | 106 | 9Bet Crv  | 2.6480    | 5600.0 | 106 | 10696 | No |
| 146 | GOM_NL__2PRFIN20040317_073721_000000512025_00121_10696_0616.N1 | 17-MAR-2004 07:37:21 | Tw_i_and_stray | 50.500 | 100 | 4Gam Crv  | 2.5800    | 13100. | 101 | 10696 | No |
| 147 | GOM_NL__2PRFIN20040317_074001_000000902025_00121_10696_0617.N1 | 17-MAR-2004 07:40:01 | Bright         | 89.500 | 15  | 67Alp Vir | 0.97600   | 28000. | 179 | 10696 | No |
| 148 | GOM_NL__2PRFIN20040317_074343_000000592025_00121_10696_0618.N1 | 17-MAR-2004 07:43:43 | Bright         | 59.000 | 121 | 29Gam Vir | 2.7400    | 7200.0 | 118 | 10696 | No |
| 149 | GOM_NL__2PRFIN20040317_074643_000000372025_00121_10696_0619.N1 | 17-MAR-2004 07:46:43 | Bright         | 37.000 | 22  | 32Alp Leo | 1.3600    | 15200. | 74  | 10696 | No |
| 150 | GOM_NL__2PRFIN20040317_074856_000000392025_00121_10696_0620.N1 | 17-MAR-2004 07:48:56 | Bright         | 38.500 | 51  | 41Gam1Leo | 2.0100    | 4500.0 | 77  | 10696 | No |
| 151 | GOM_NL__2PRFIN20040317_075635_000000392025_00121_10696_0621.N1 | 17-MAR-2004 07:56:35 | Bright         | 38.500 | 174 | 52Psi UMa | 3.0040    | 4400.0 | 77  | 10696 | No |
| 152 | GOM_NL__2PRFIN20040317_075948_000000392025_00121_10696_0622.N1 | 17-MAR-2004 07:59:48 | Bright         | 39.000 | 82  | 48Bet UMa | 2.3650    | 10600. | 78  | 10696 | No |
| 153 | GOM_NL__2PRFIN20040317_080118_000000402025_00121_10696_0623.N1 | 17-MAR-2004 08:01:18 | Bright         | 39.500 | 36  | 50Alp UMa | 1.8000    | 6300.0 | 79  | 10696 | No |
| 154 | GOM_NL__2PRFIN20040317_080243_000000452025_00121_10696_0624.N1 | 17-MAR-2004 08:02:43 | Bright         | 44.500 | 32  | 77Eps UMa | 1.7630    | 11000. | 89  | 10696 | No |
| 155 | GOM_NL__2PRFIN20040317_080429_000000552025_00121_10696_0625.N1 | 17-MAR-2004 08:04:29 | Bright         | 55.000 | 39  | 85Eta UMa | 1.8540    | 24000. | 110 | 10696 | No |
| 156 | GOM_NL__2PRFIN20040317_080819_000000432025_00121_10696_0626.N1 | 17-MAR-2004 08:08:19 | Bright         | 43.000 | 60  | 7Bet UMi  | 2.0810    | 3950.0 | 86  | 10696 | No |
| 157 | GOM_NL__2PRFIN20040317_081218_000000492025_00121_10696_0627.N1 | 17-MAR-2004 08:12:18 | Bright         | 49.000 | 119 | 14Eta Dra | 2.7270    | 4700.0 | 98  | 10696 | No |
| 158 | GOM_NL__2PRFIN20040317_081540_000000392025_00121_10696_0628.N1 | 17-MAR-2004 08:15:40 | Bright         | 39.000 | 74  | 11Bet Cas | 2.2680    | 6600.0 | 78  | 10696 | No |
| 159 | GOM_NL__2PRFIN20040317_081818_000000532025_00121_10696_0629.N1 | 17-MAR-2004 08:18:18 | Bright         | 53.000 | 69  | 33Gam Dra | 2.2310    | 3800.0 | 106 | 10696 | No |
| 160 | GOM_NL__2PRFIN20040317_082141_000000402025_00121_10696_0630.N1 | 17-MAR-2004 08:21:41 | Bright         | 39.500 | 19  | 50Alp Cyg | 1.2460    | 10500. | 79  | 10696 | No |







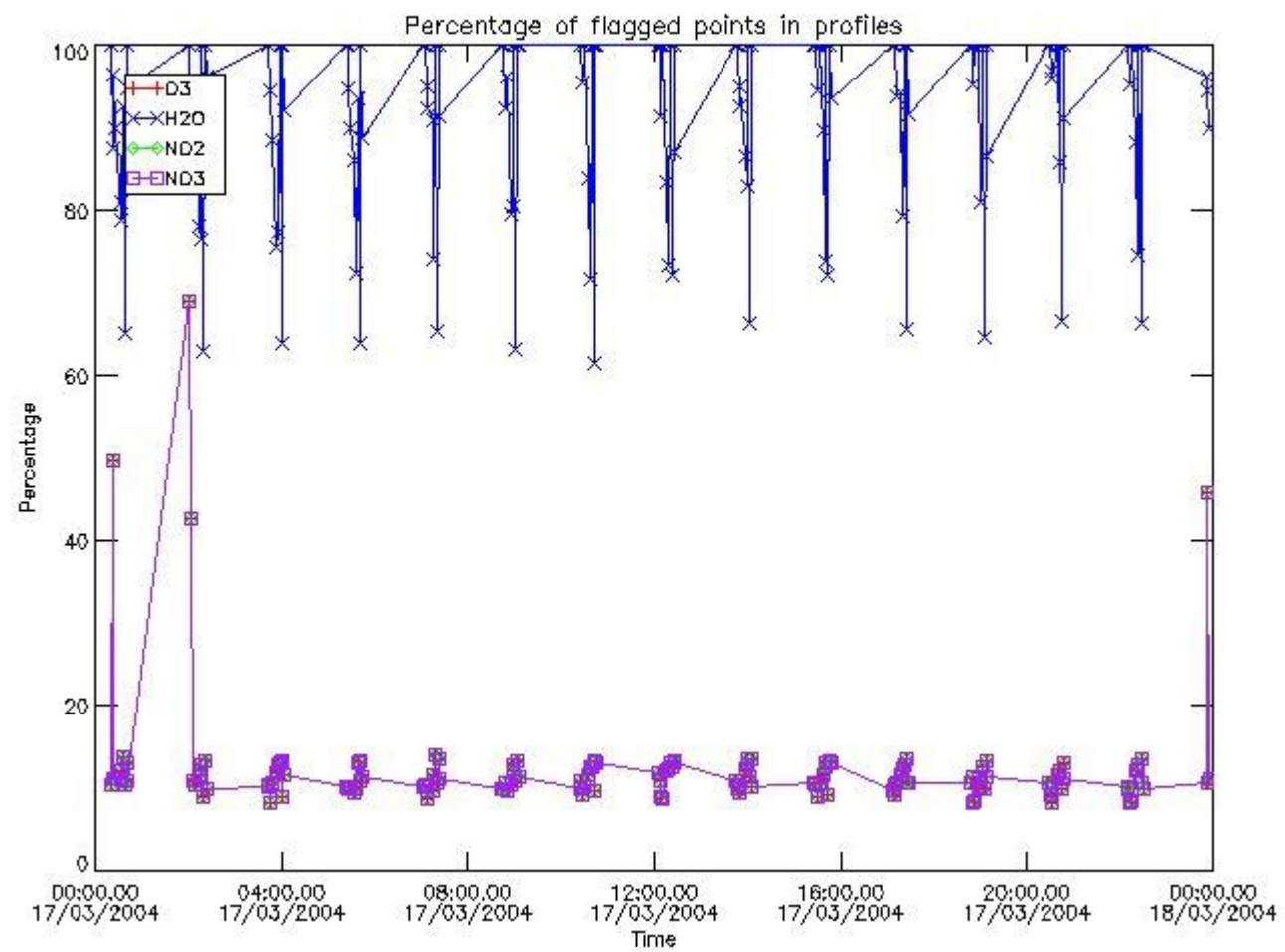




### 3. Quality information per product

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

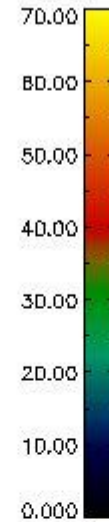
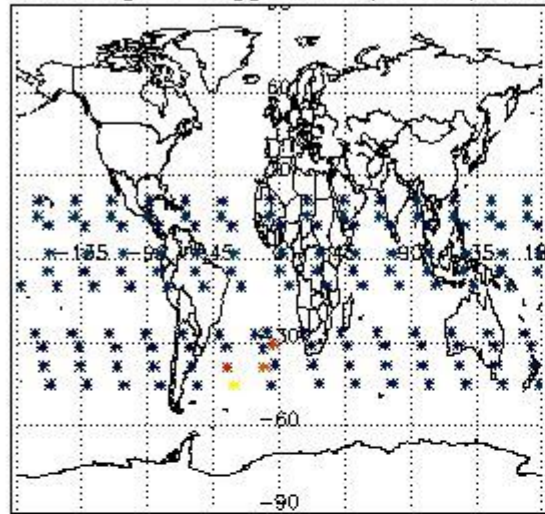
#### 3.1 Plot quality information per product (time dependant)



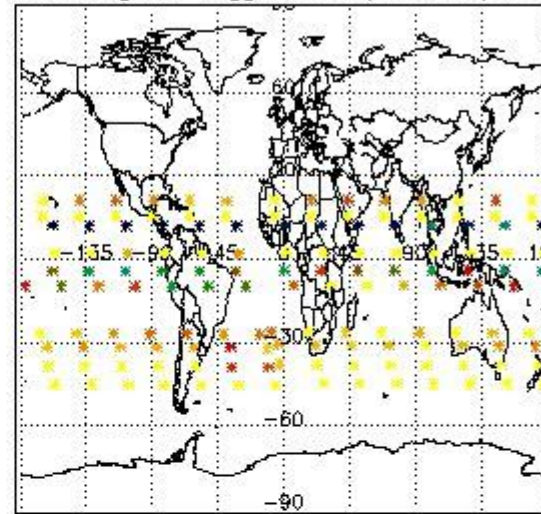
#### 3.2 Plot quality information per product (world map)



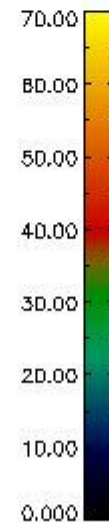
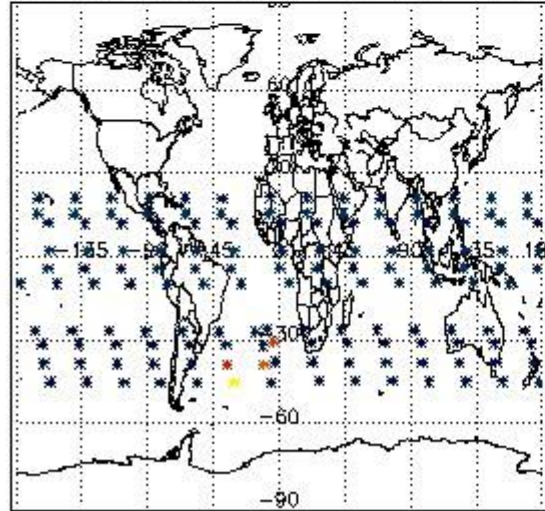
Percentage of flagged data per O3 profile



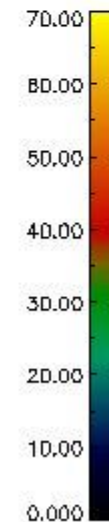
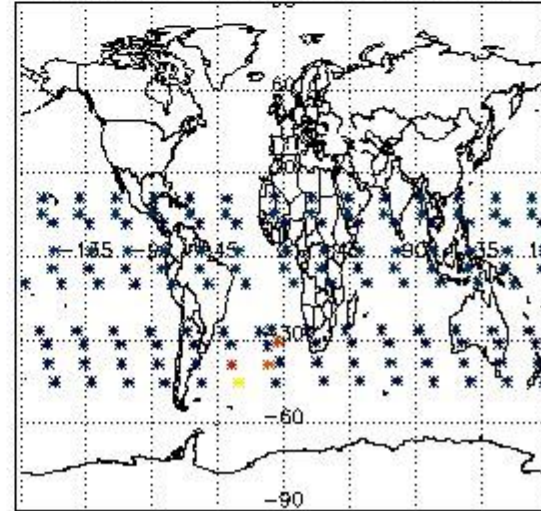
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

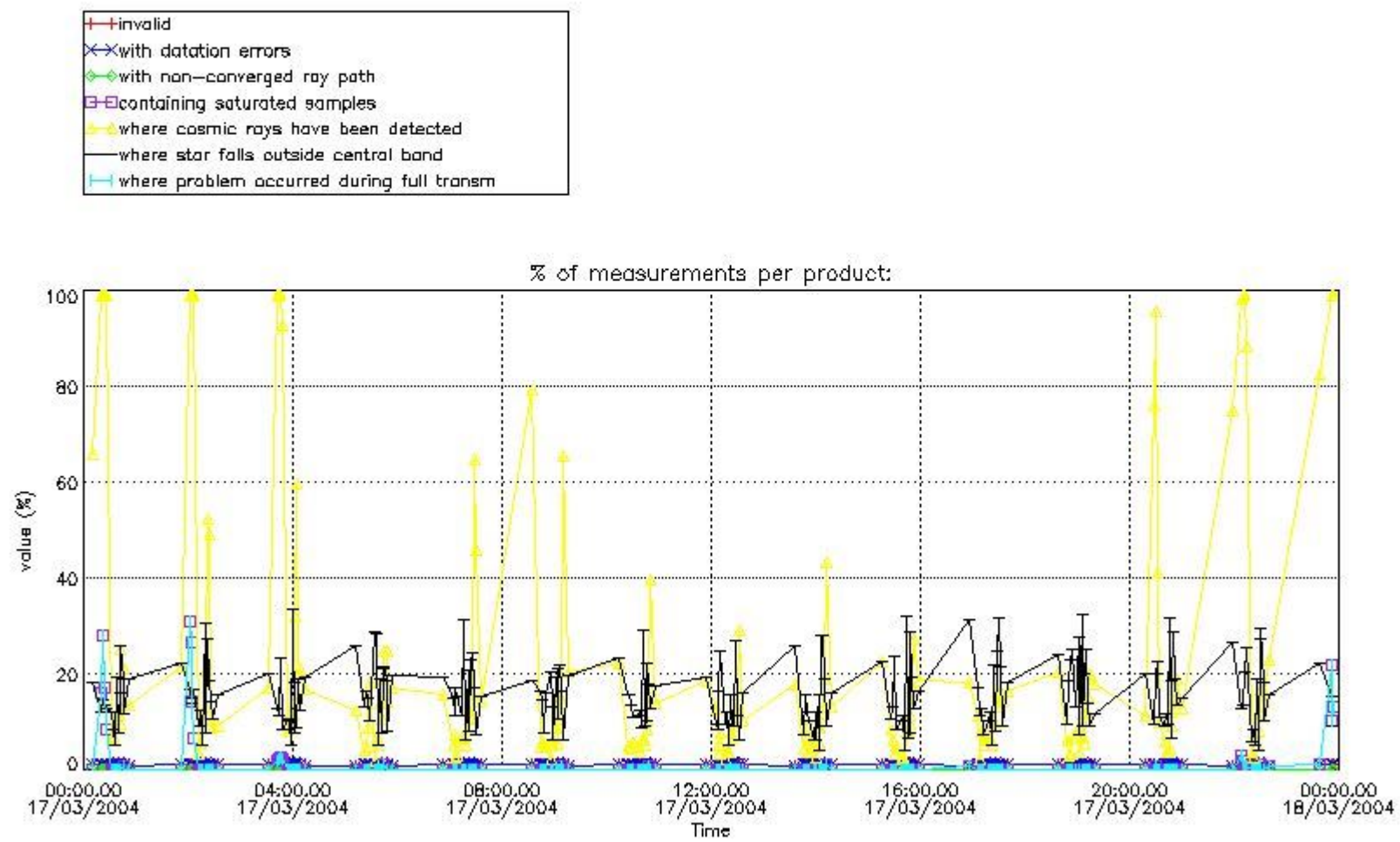


#### 4. Level 1 quality information per product

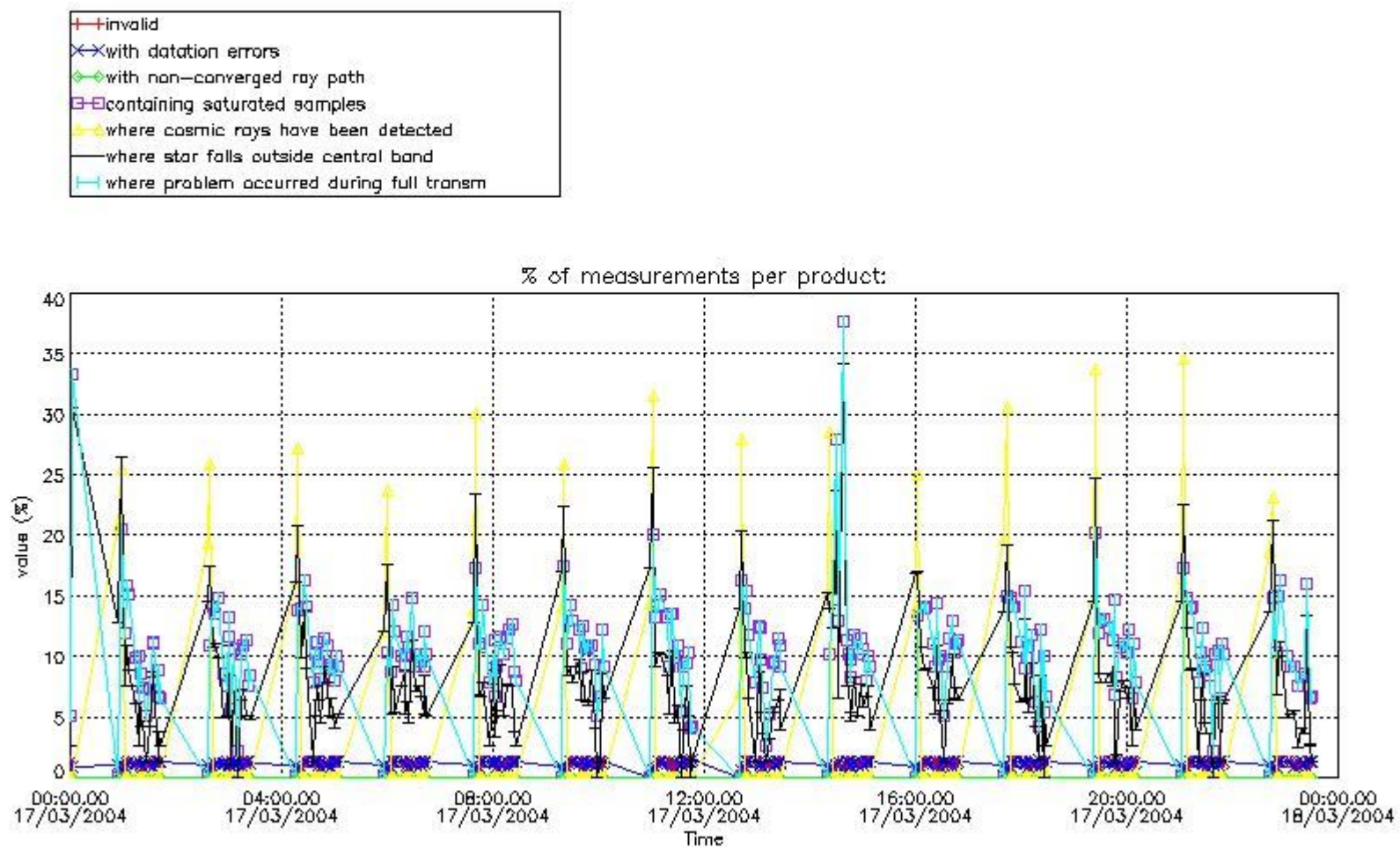
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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

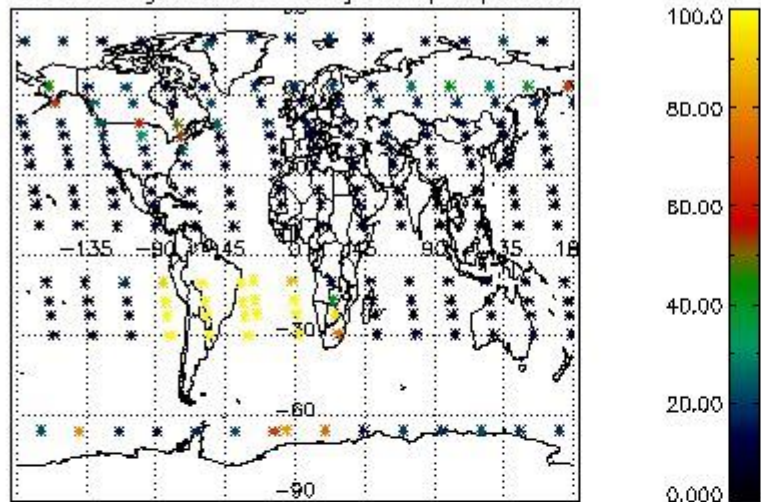


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

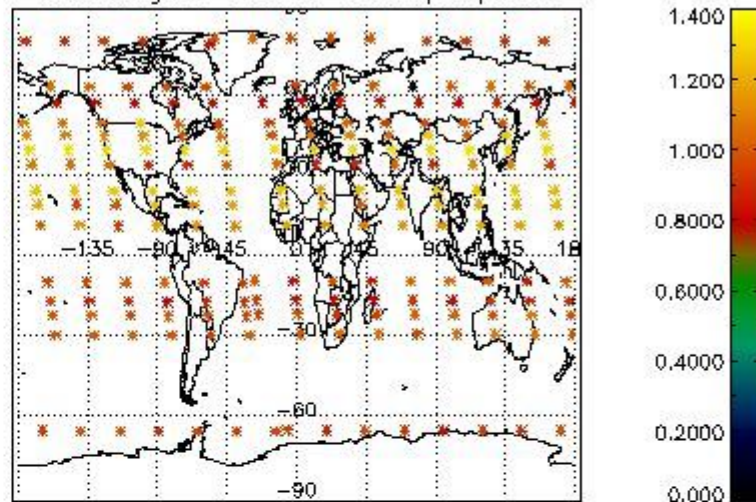


4.2 Plot quality information per product coming from level 1b processing (world map)  
 4.2.1 Plot level 1 quality information per product (world map): ENVISAT ASCENDING passes

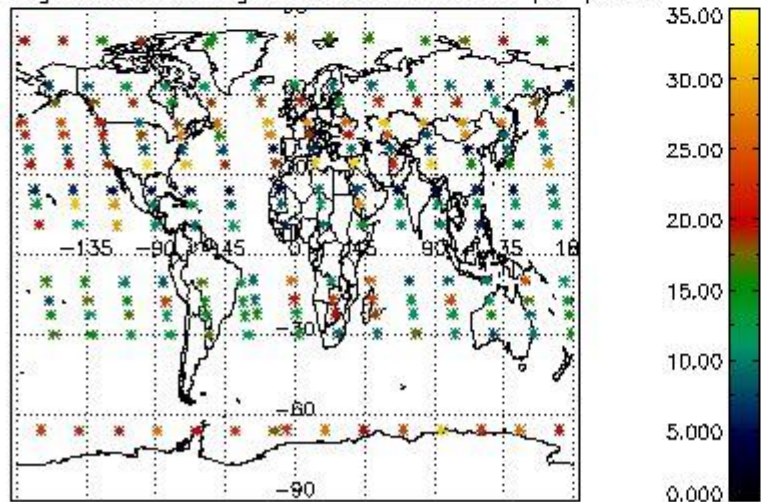
Percentage of cosmic ray hits per profile



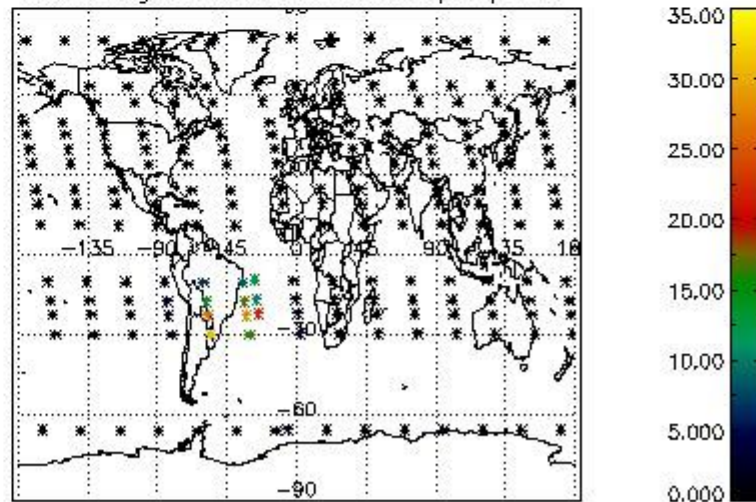
Percentage of datation errors per profile



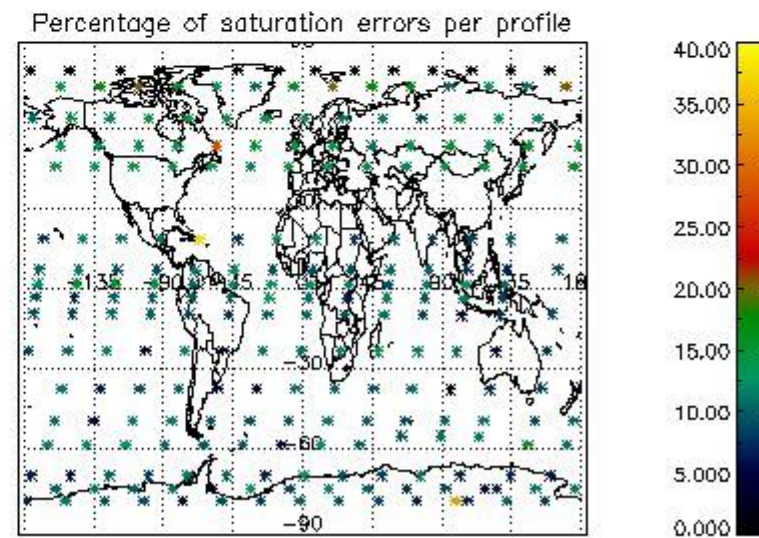
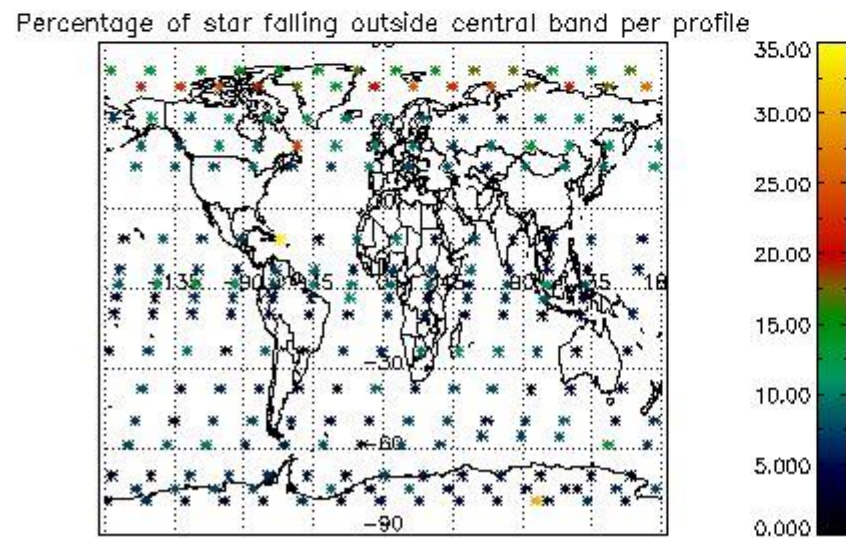
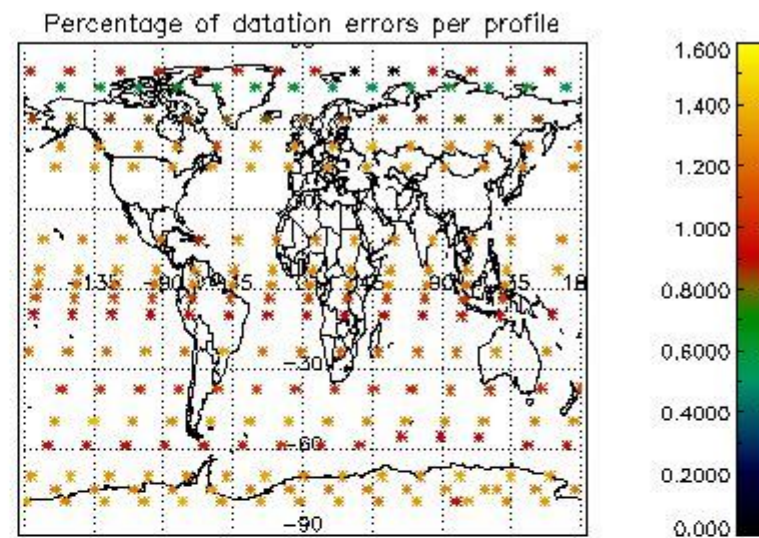
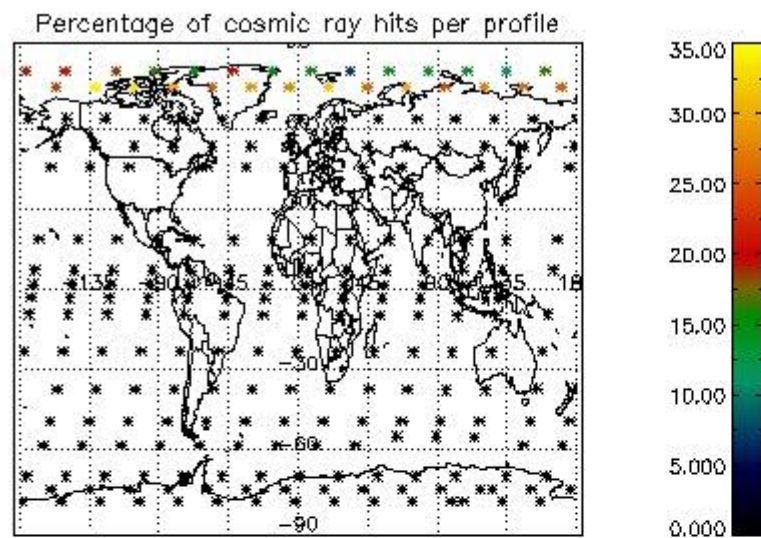
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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



## 5. Trace gas profiles

### 5.1 Ozone statistics based on quality of products

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

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

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

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

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

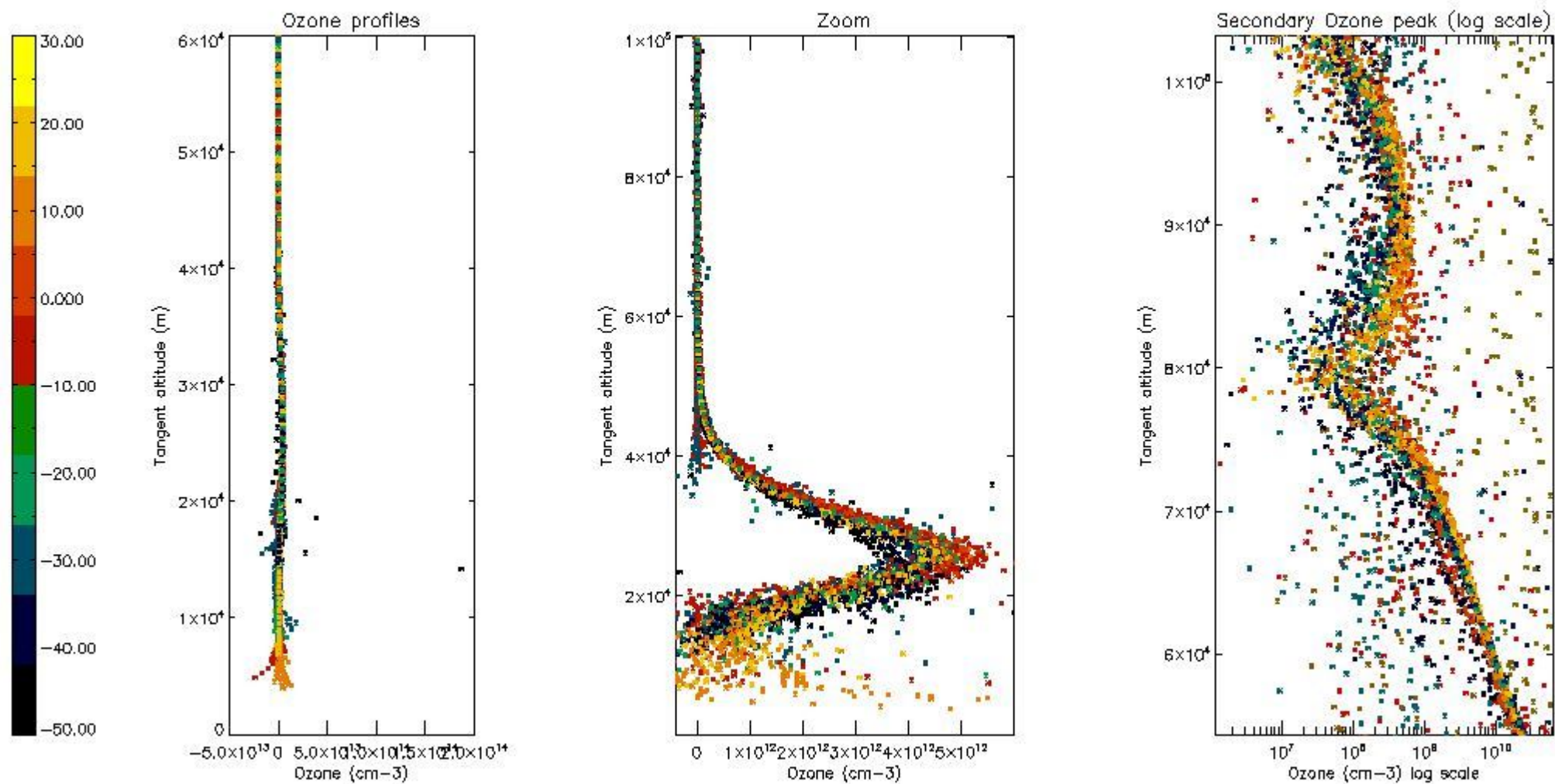
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

| Criteria | % of total production |
|----------|-----------------------|
| All STD  | 31                    |
| STD < 20 | 16                    |

|          |    |
|----------|----|
| STD < 10 | 13 |
| STD < 5  | 8  |

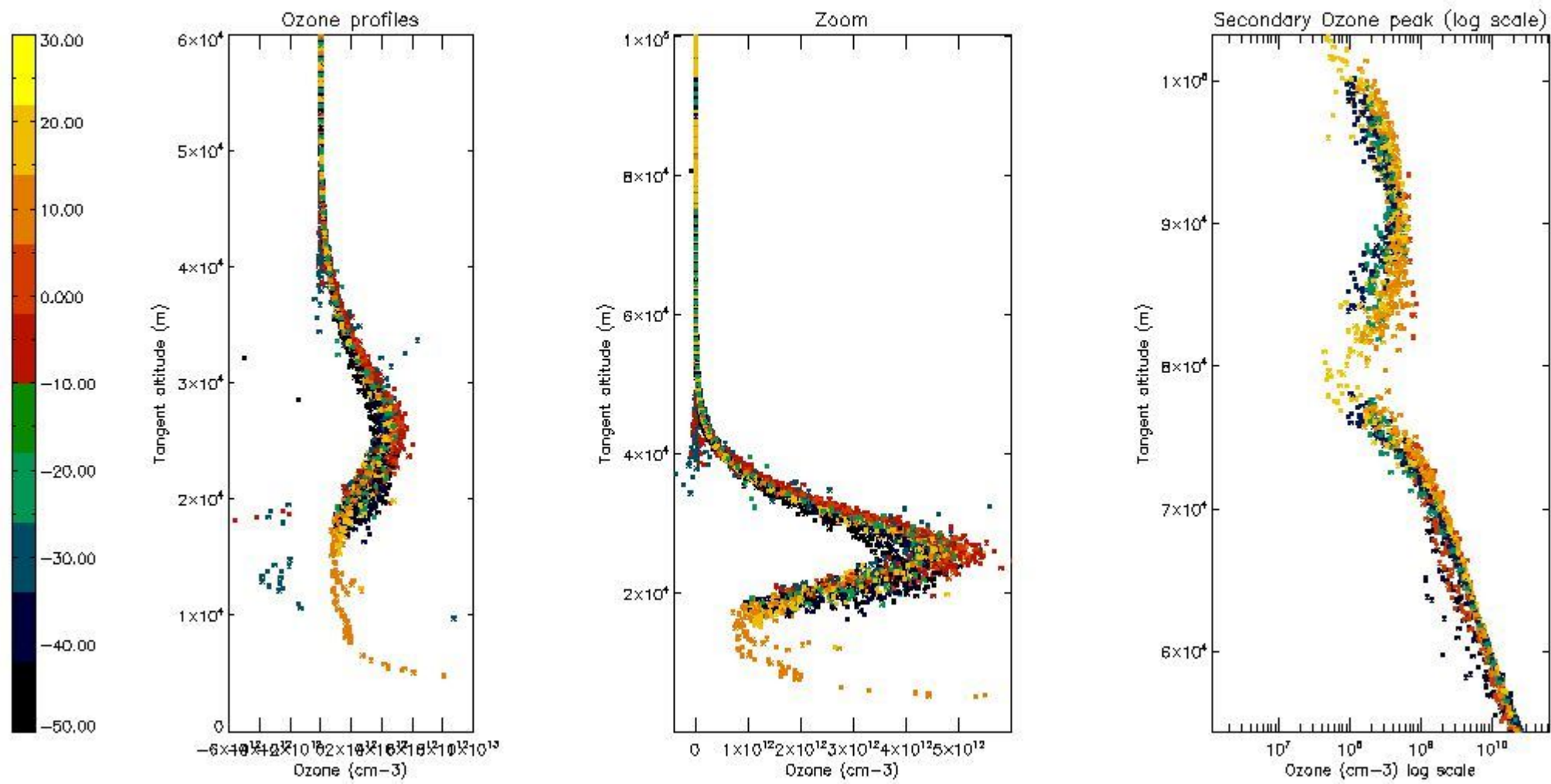
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



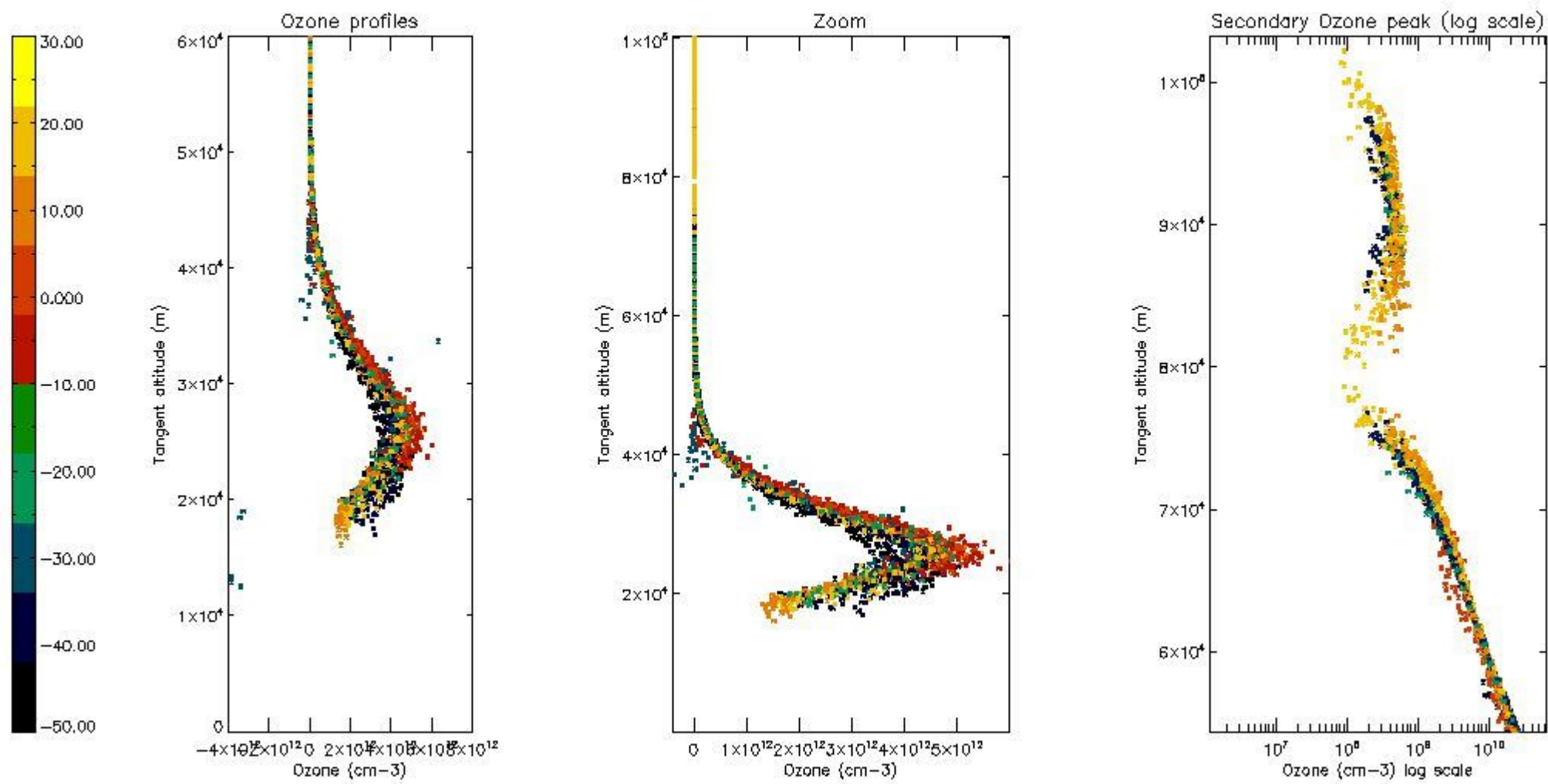
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



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

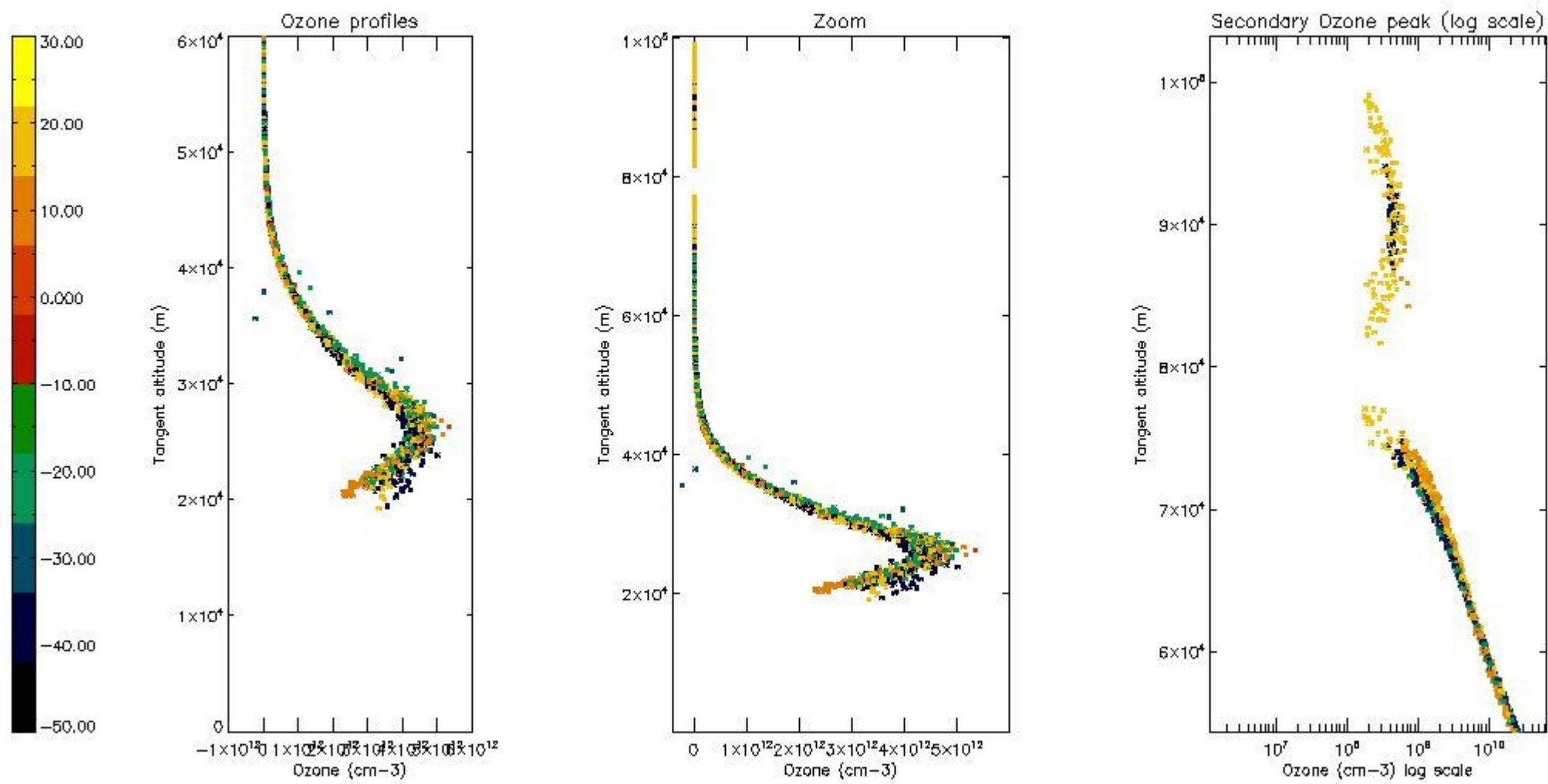
The colorbar represents the latitude.



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

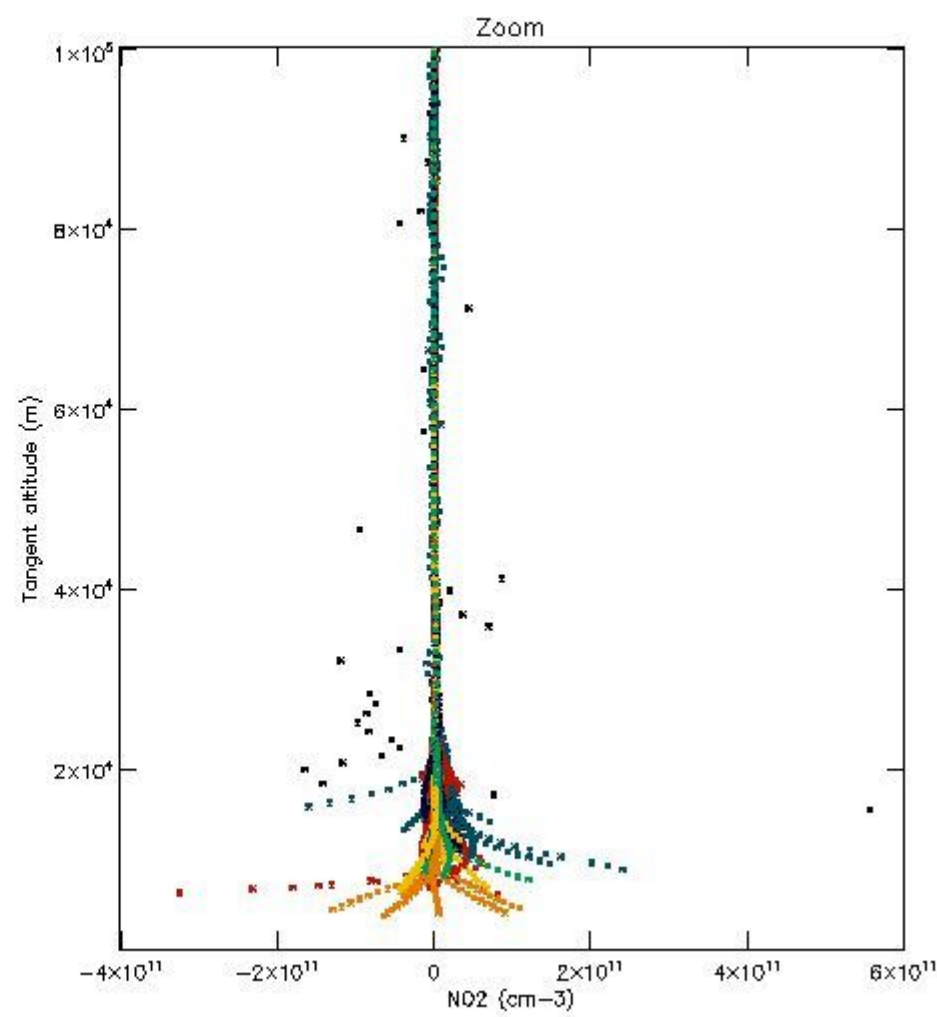
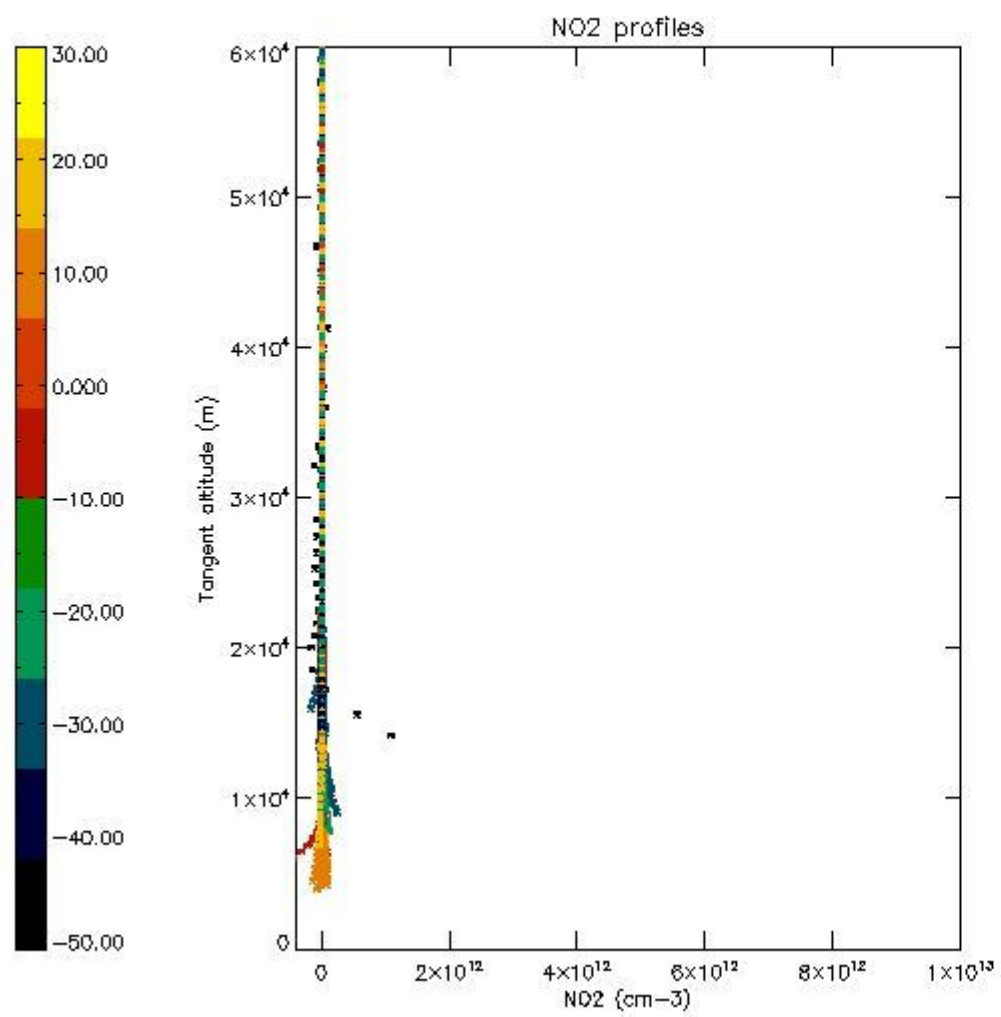
The colorbar represents the latitude.





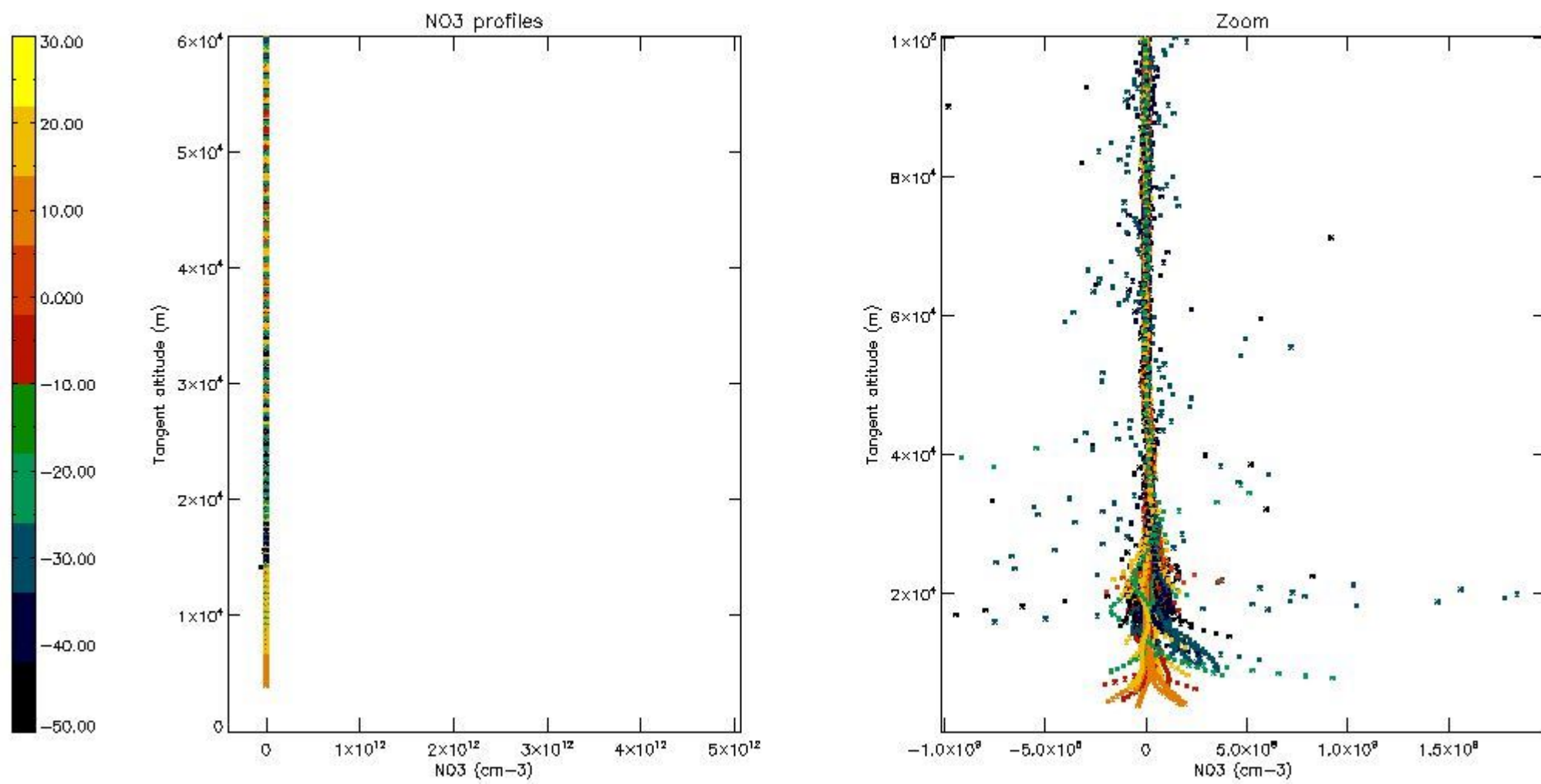
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



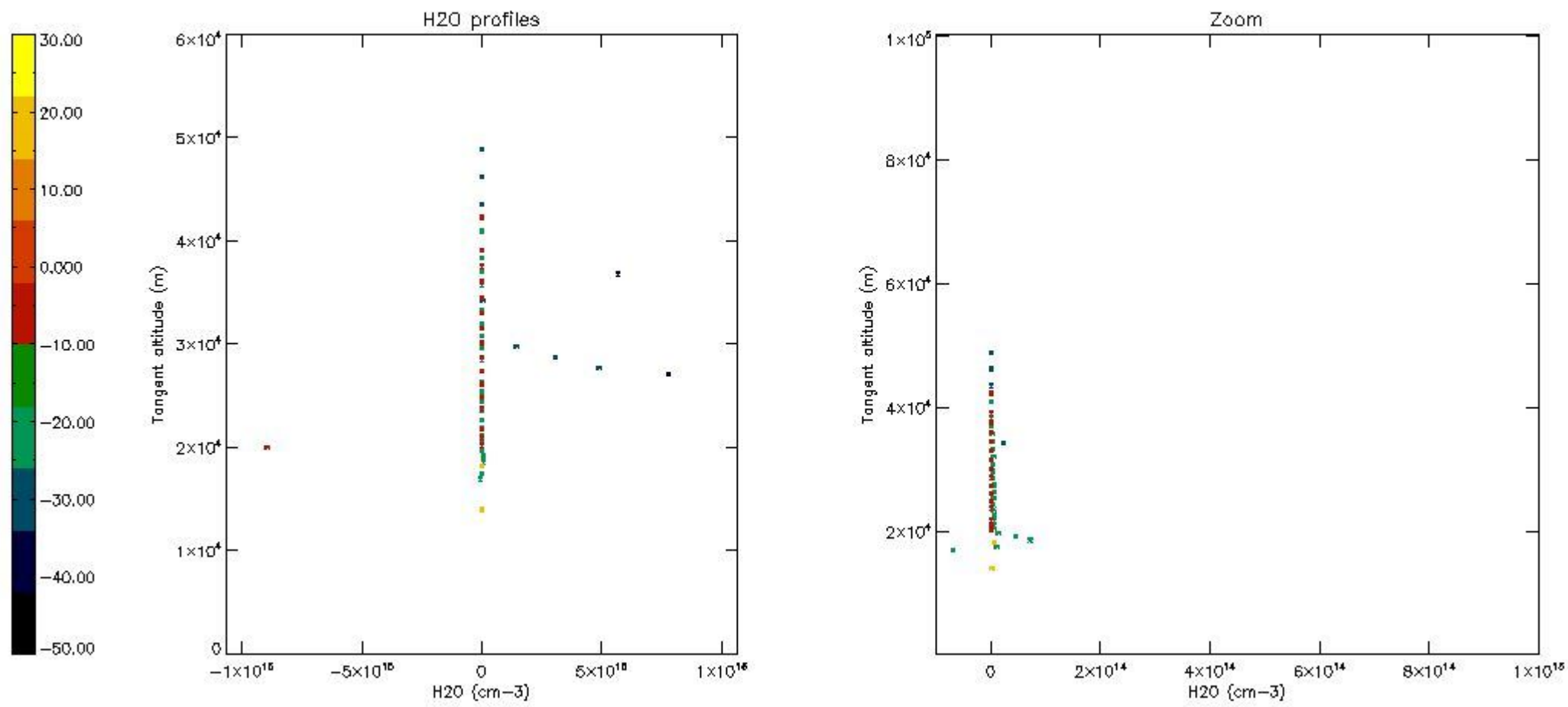
*5.7 Plot NO3 profiles for all STD (dark without errors)*

The colorbar represents the latitude.



5.8 Plot H2O profiles for all STD (only for occultations of stars 1,2,3,4,13,14,16,26,63 dark without errors)

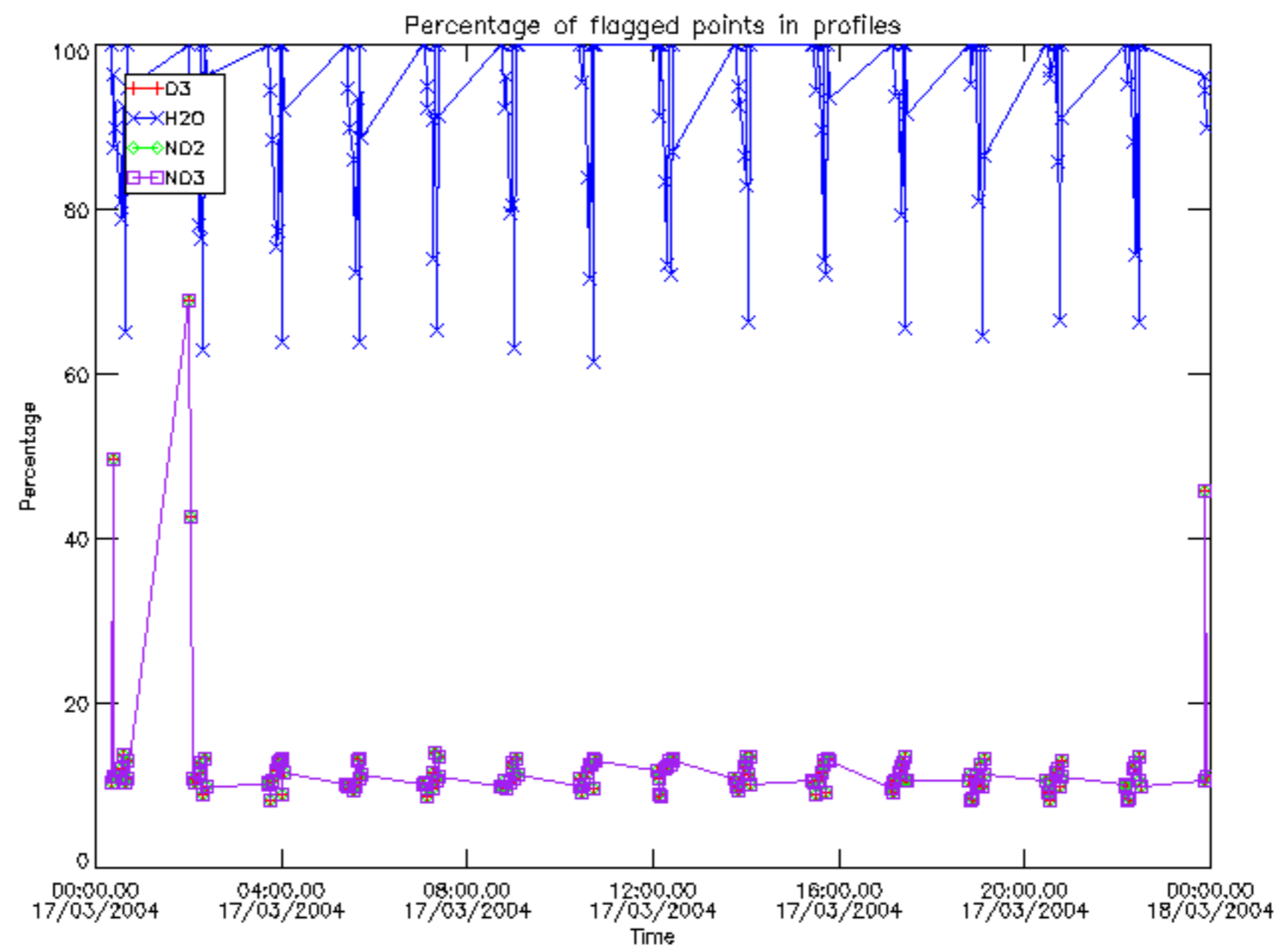
The colorbar represents the latitude.



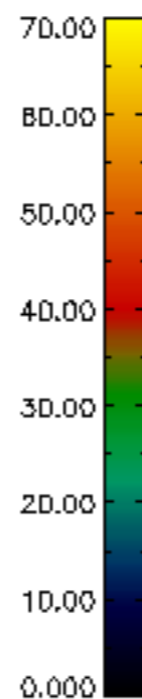
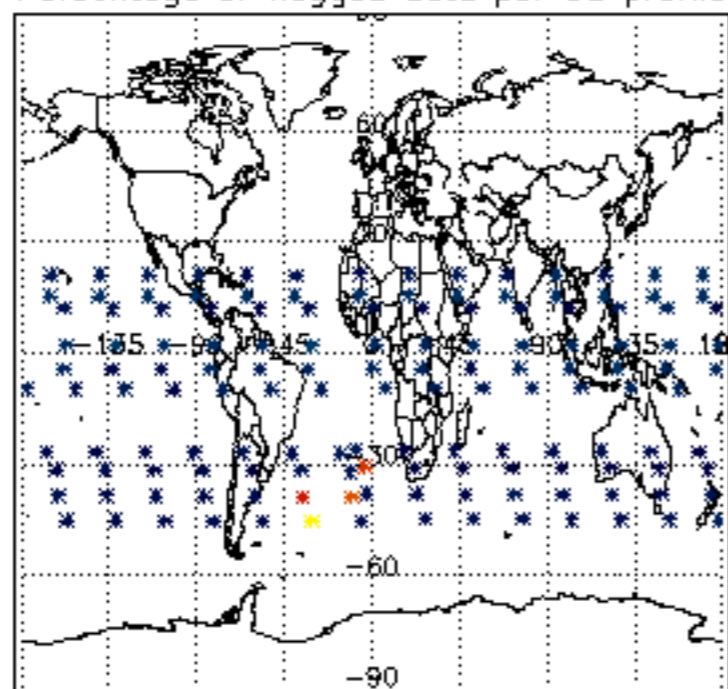
## 6. Auxiliary Data Files used for the production reported in section 2

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

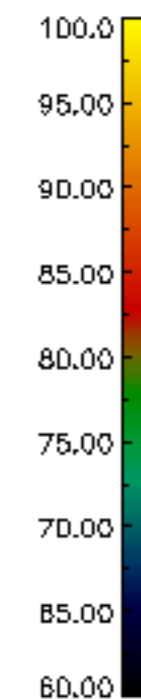
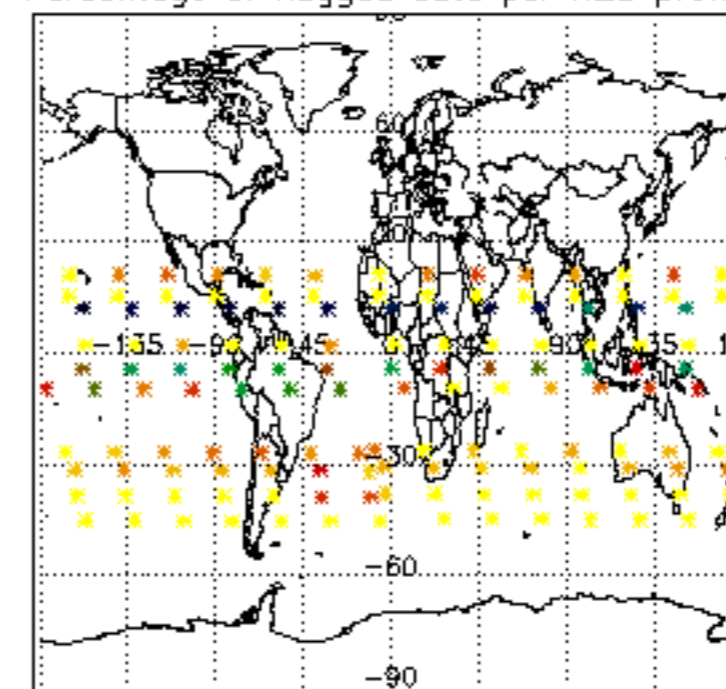
| Type                      | Auxiliary Filename  | Used since product | Used since product date |
|---------------------------|---|--------------------|-------------------------|
| INST_PHYS_CHARACTERISTICS | GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000 | 1                  | 17-MAR-2004 00:00:15    |
| LEVEL-2_PROC_CONFIG       | GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000 | 1                  | 17-MAR-2004 00:00:15    |
| CROSS_SECTIONS_FILE       | GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000 | 1                  | 17-MAR-2004 00:00:15    |



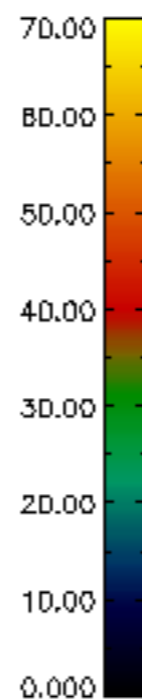
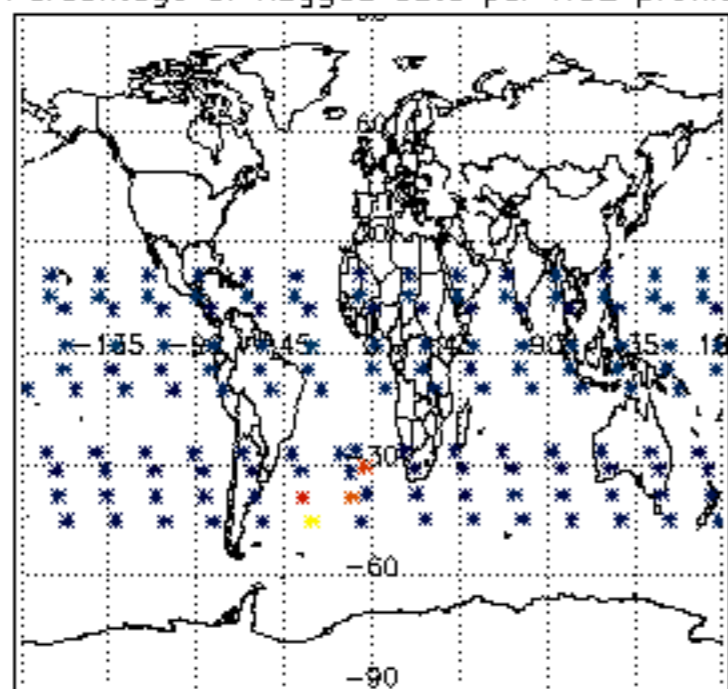
Percentage of flagged data per D3 profile



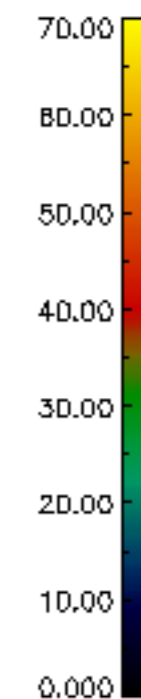
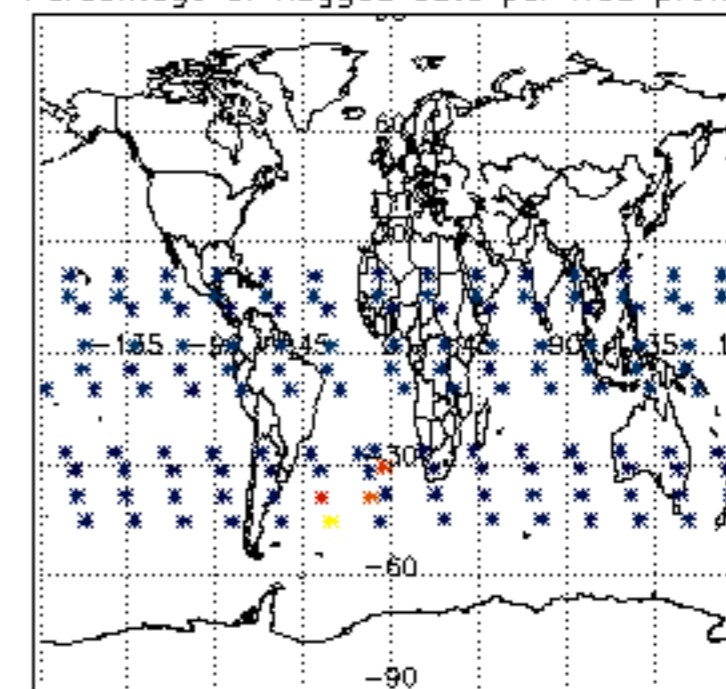
Percentage of flagged data per H2O profile

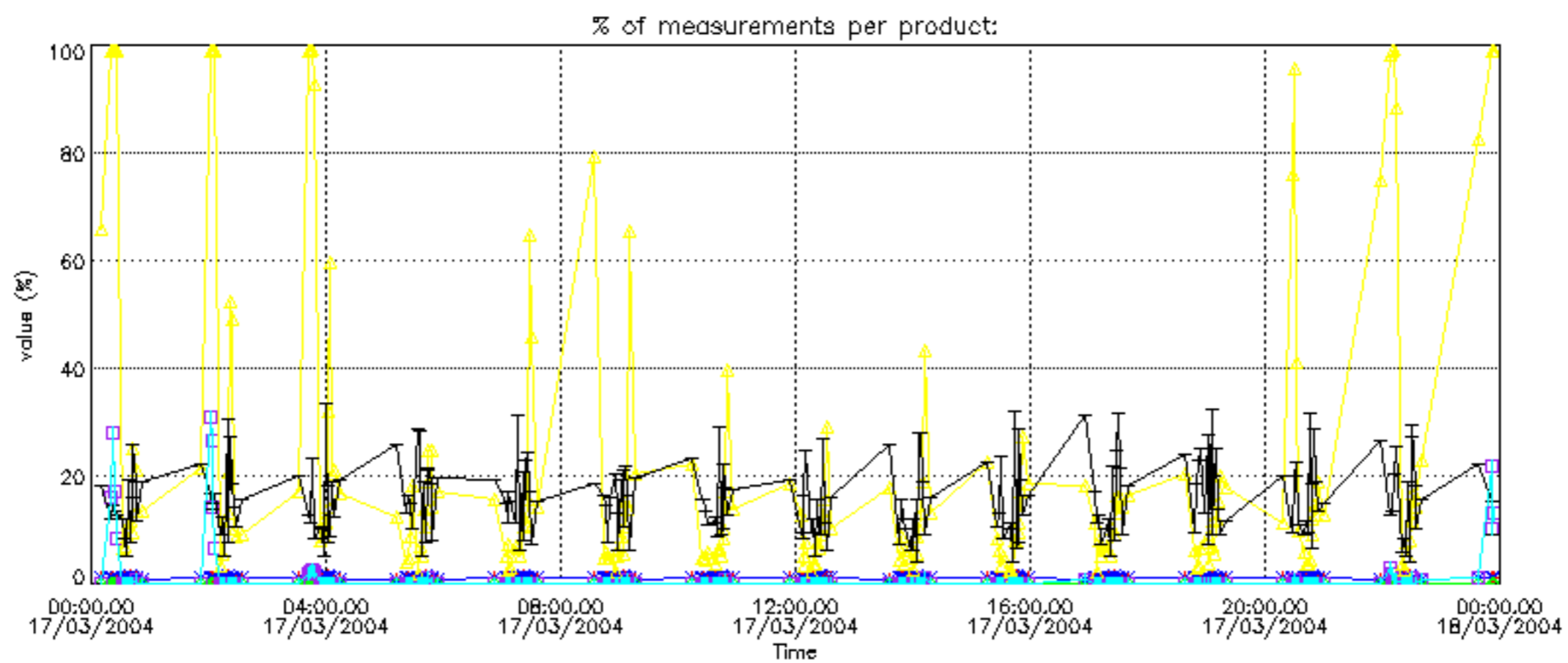
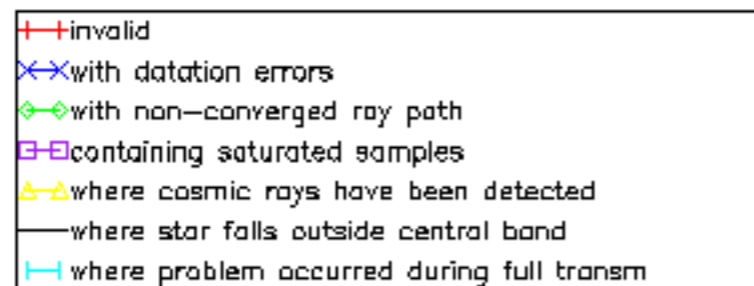


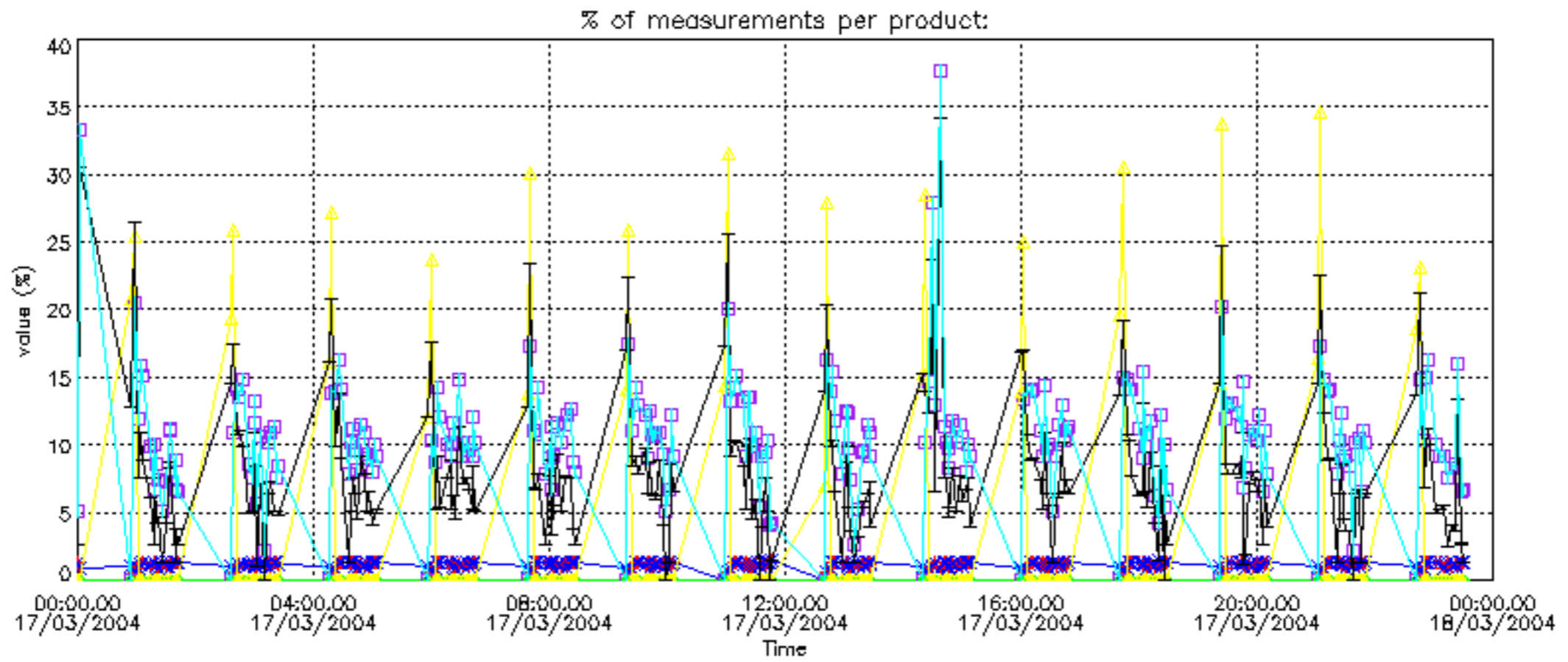
Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

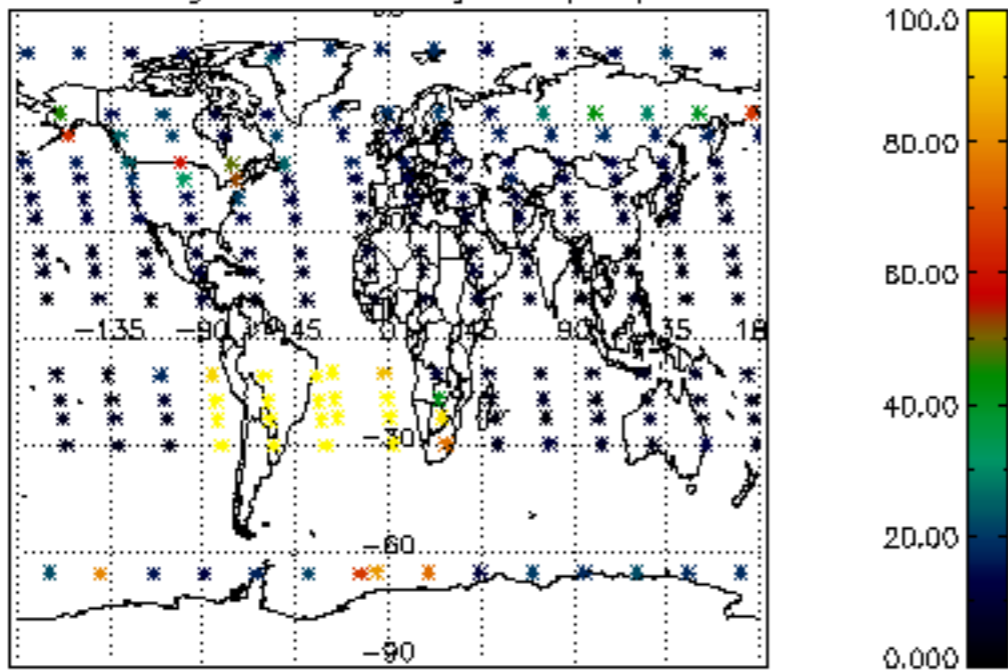




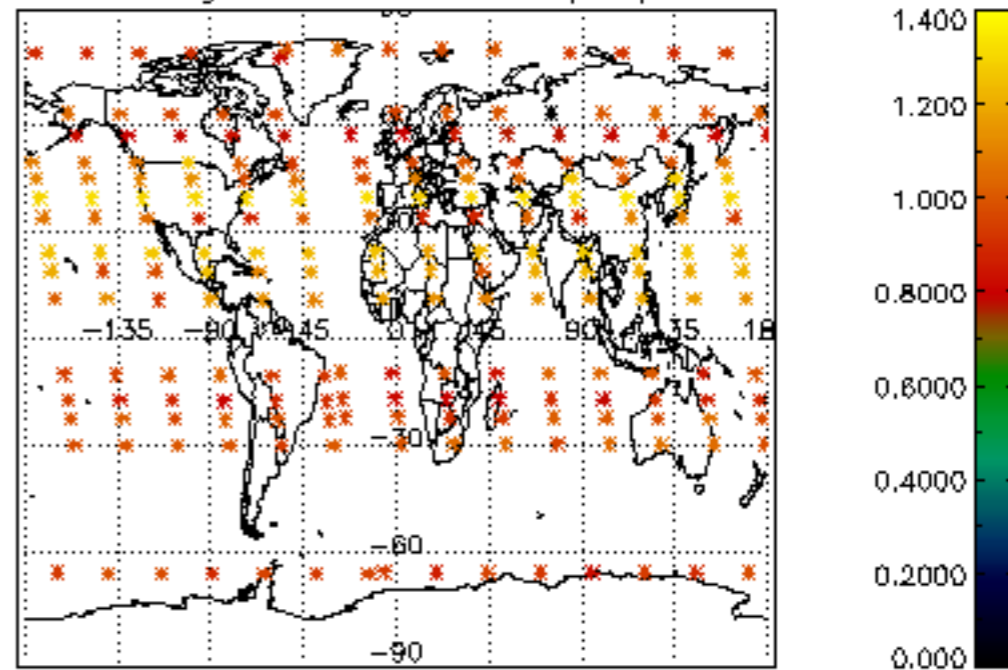




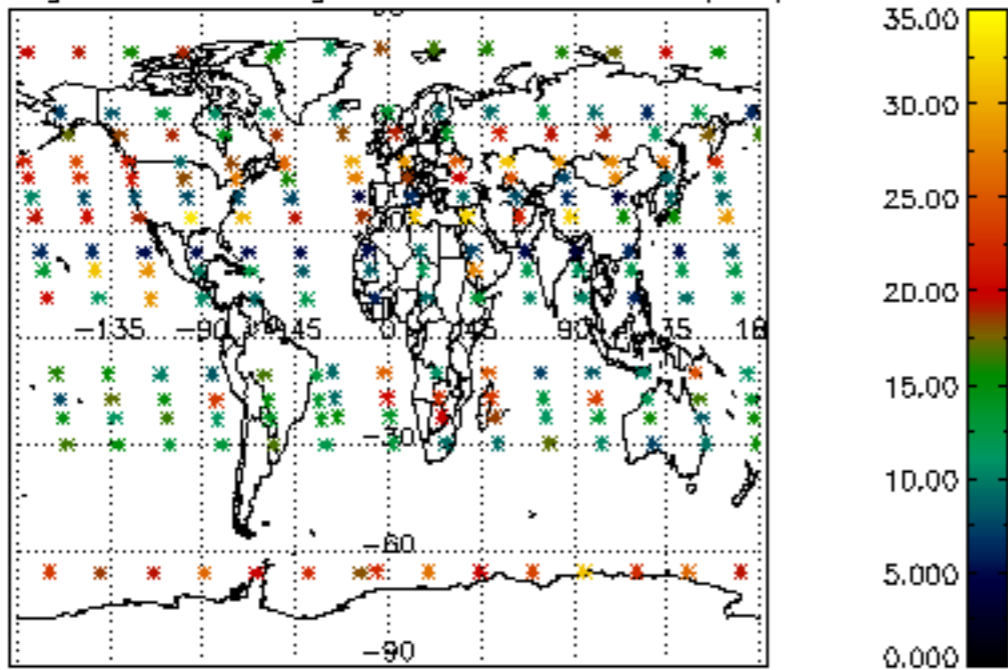
Percentage of cosmic ray hits per profile



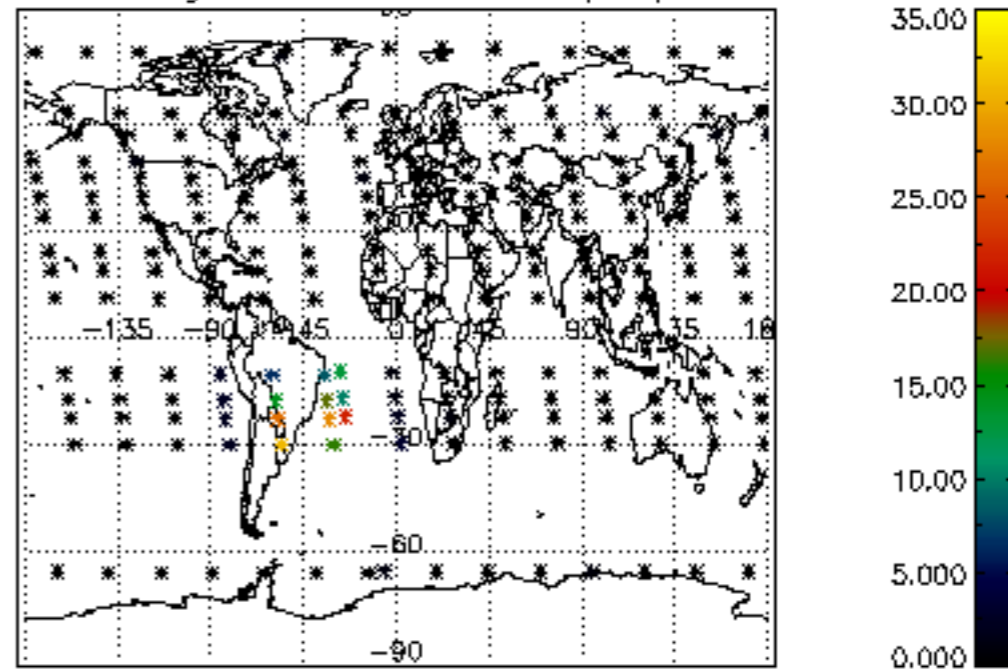
Percentage of datation errors per profile



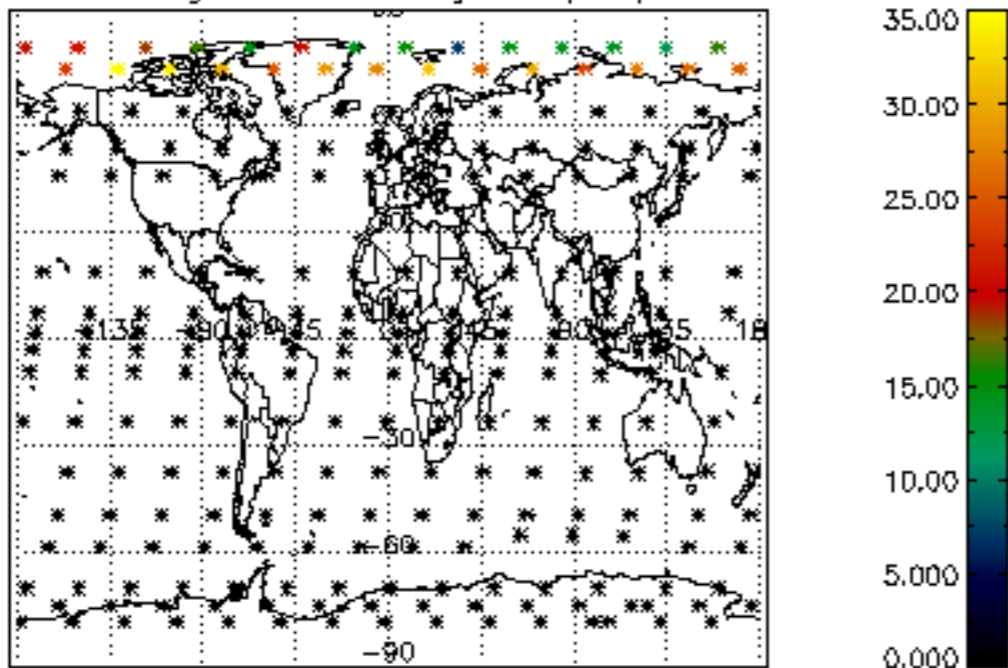
Percentage of star falling outside central band per profile



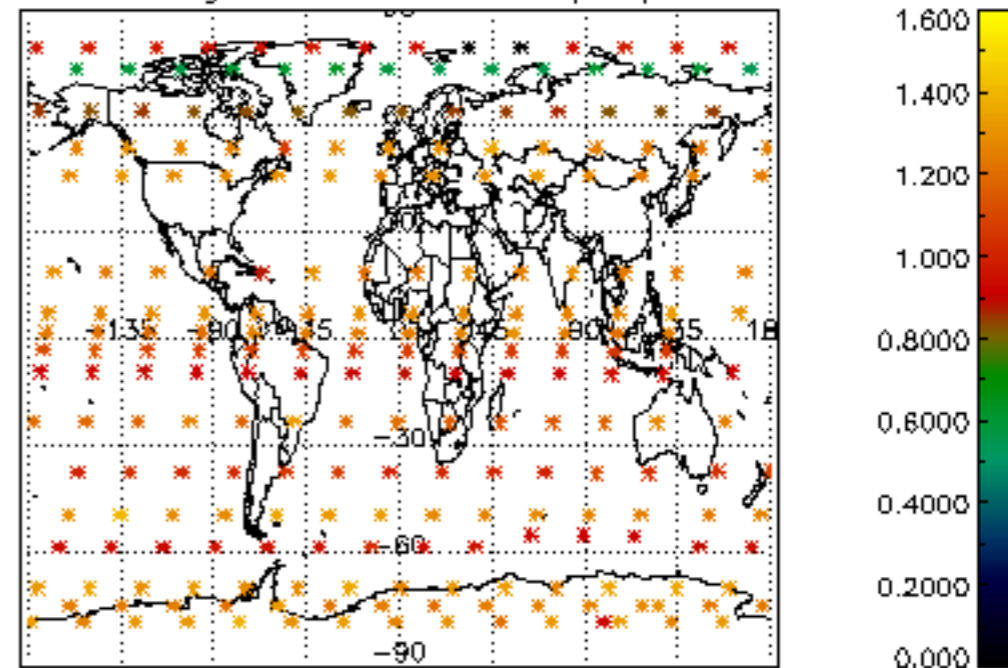
Percentage of saturation errors per profile



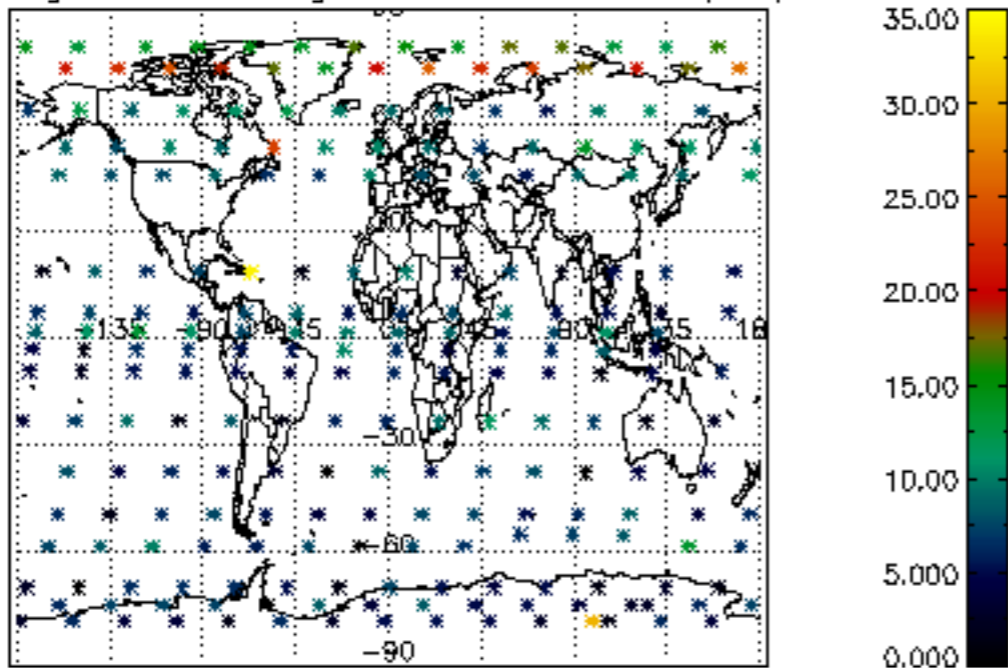
Percentage of cosmic ray hits per profile



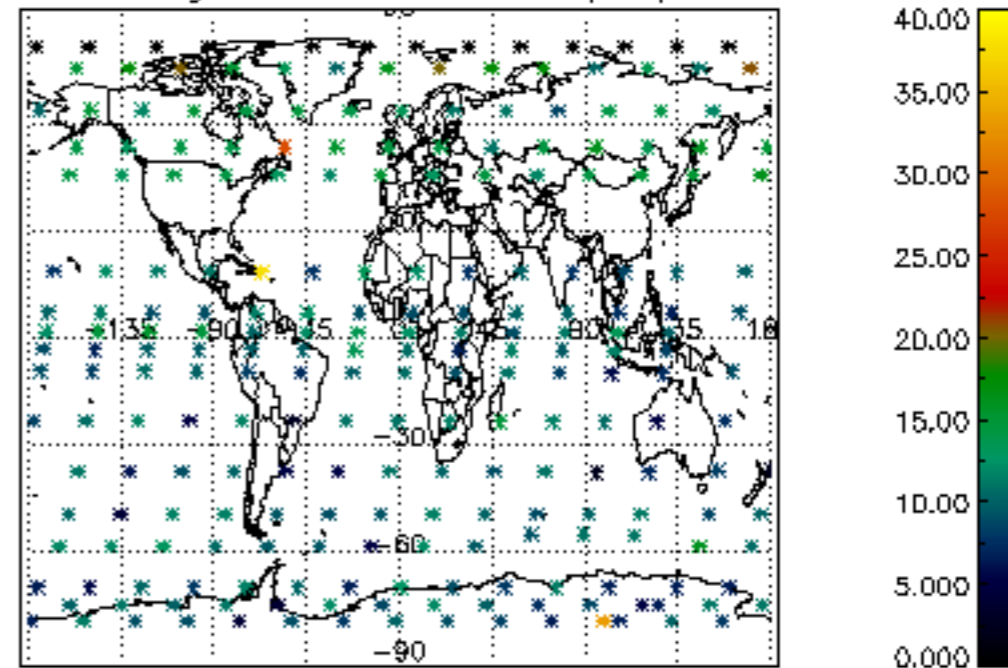
Percentage of datation errors per profile

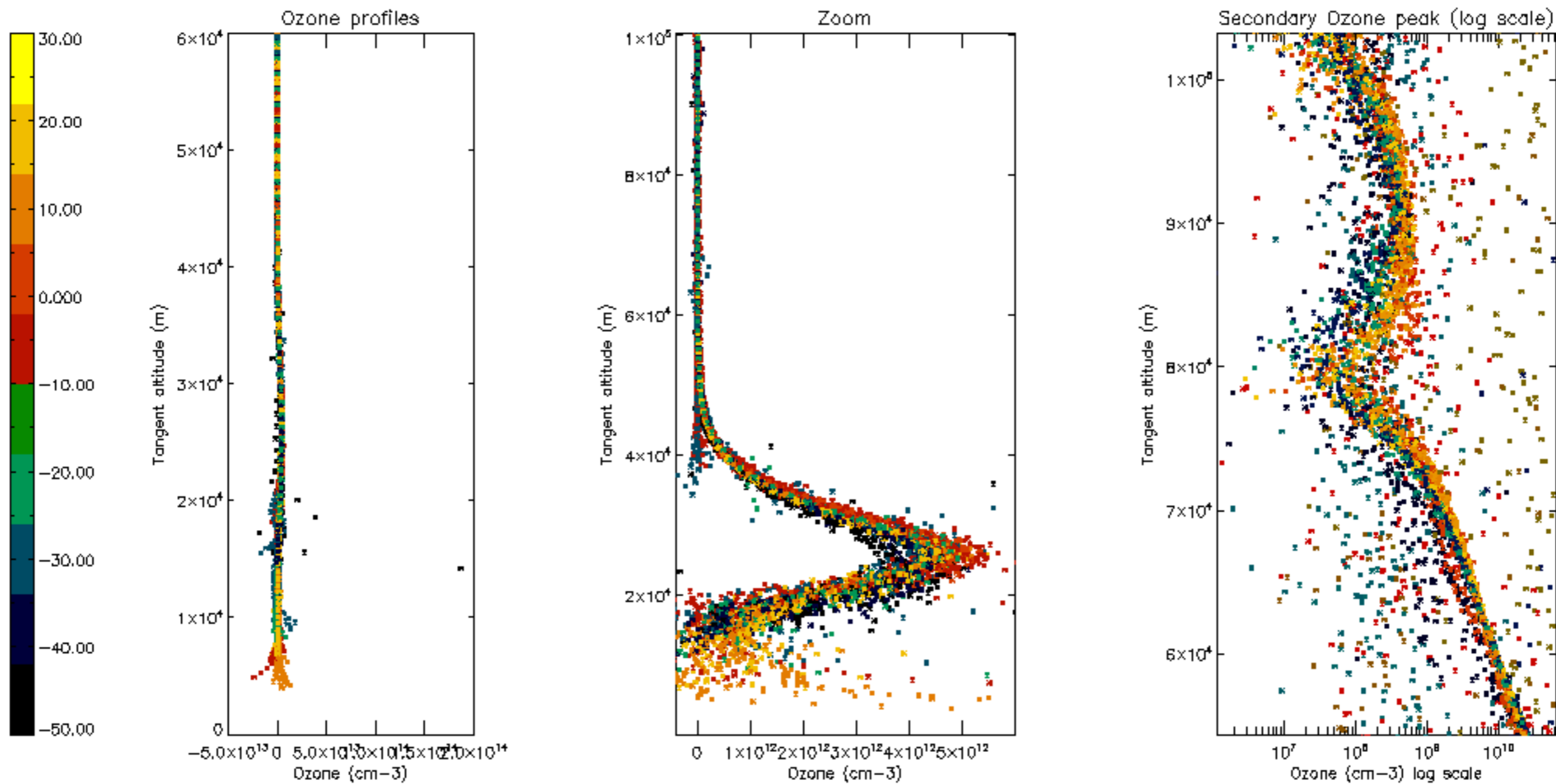


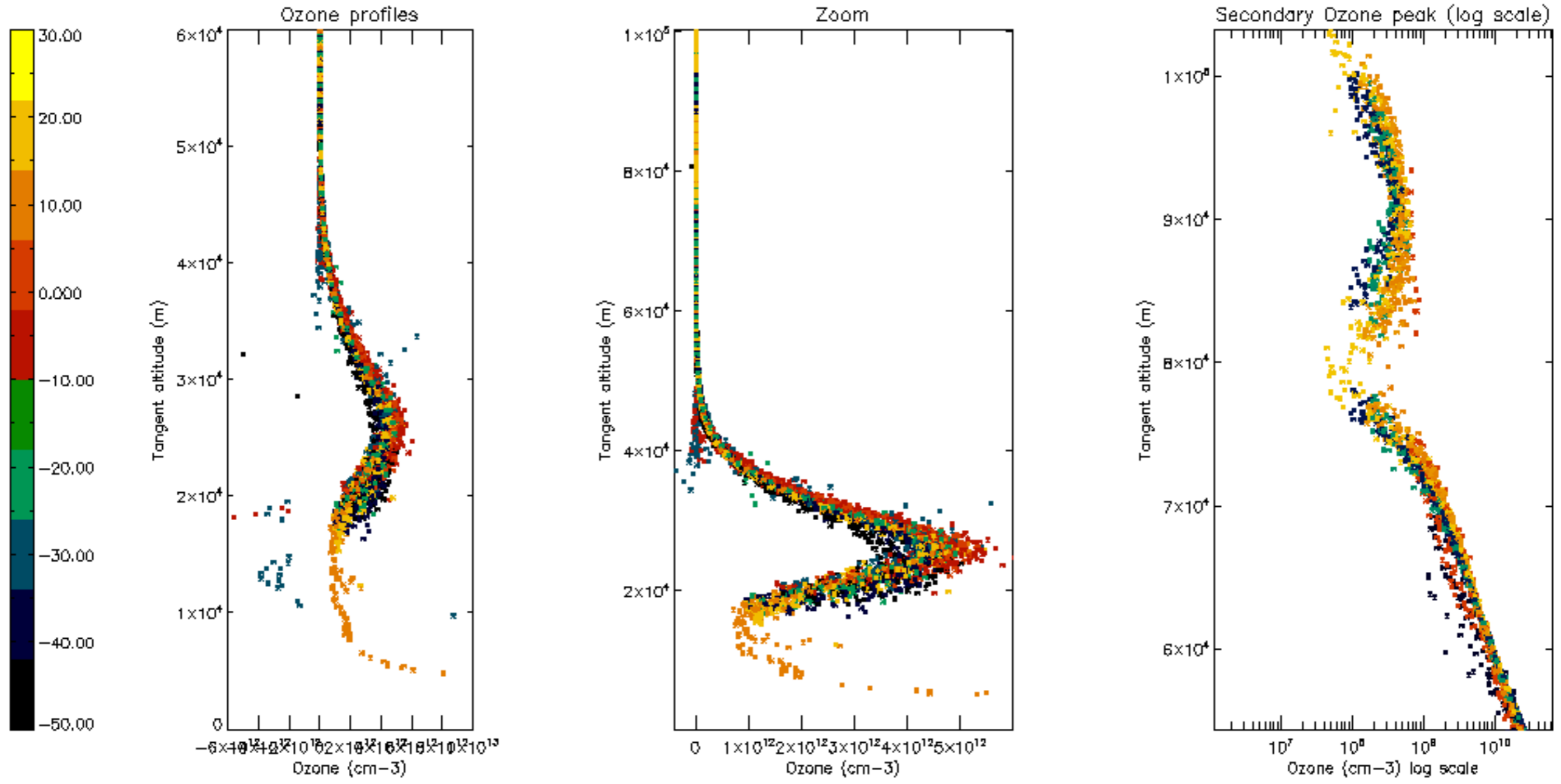
Percentage of star falling outside central band per profile

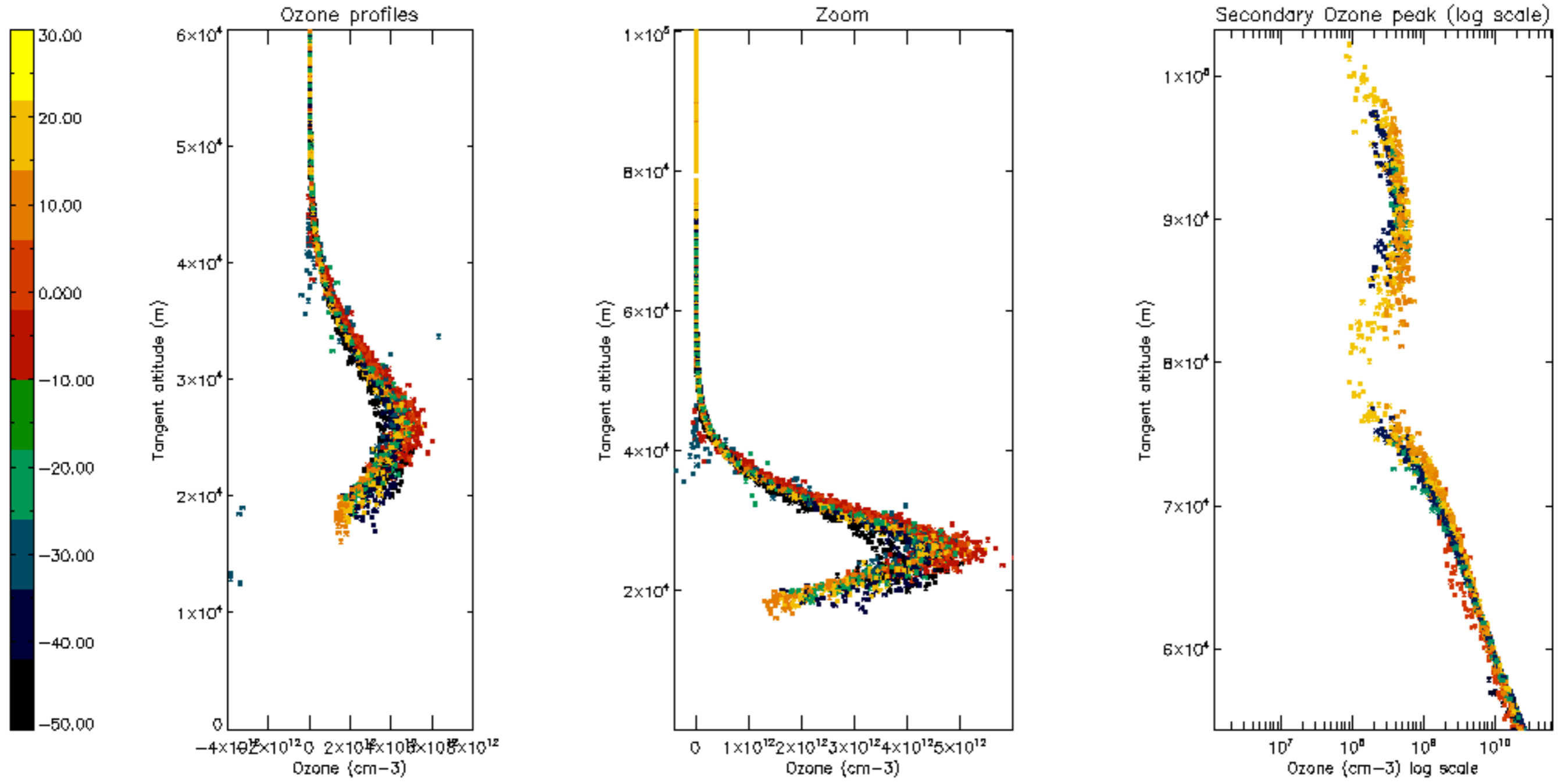


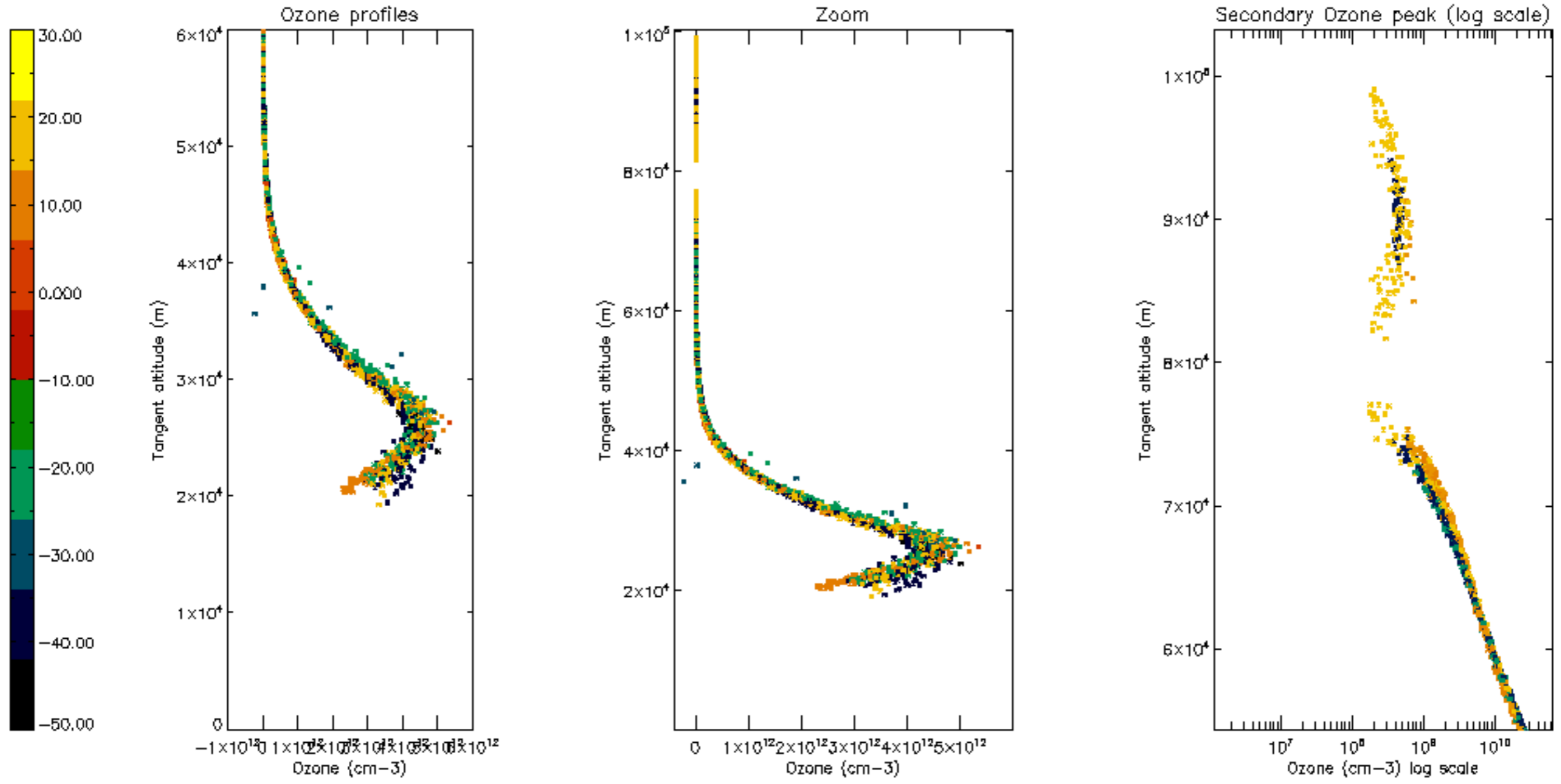
Percentage of saturation errors per profile

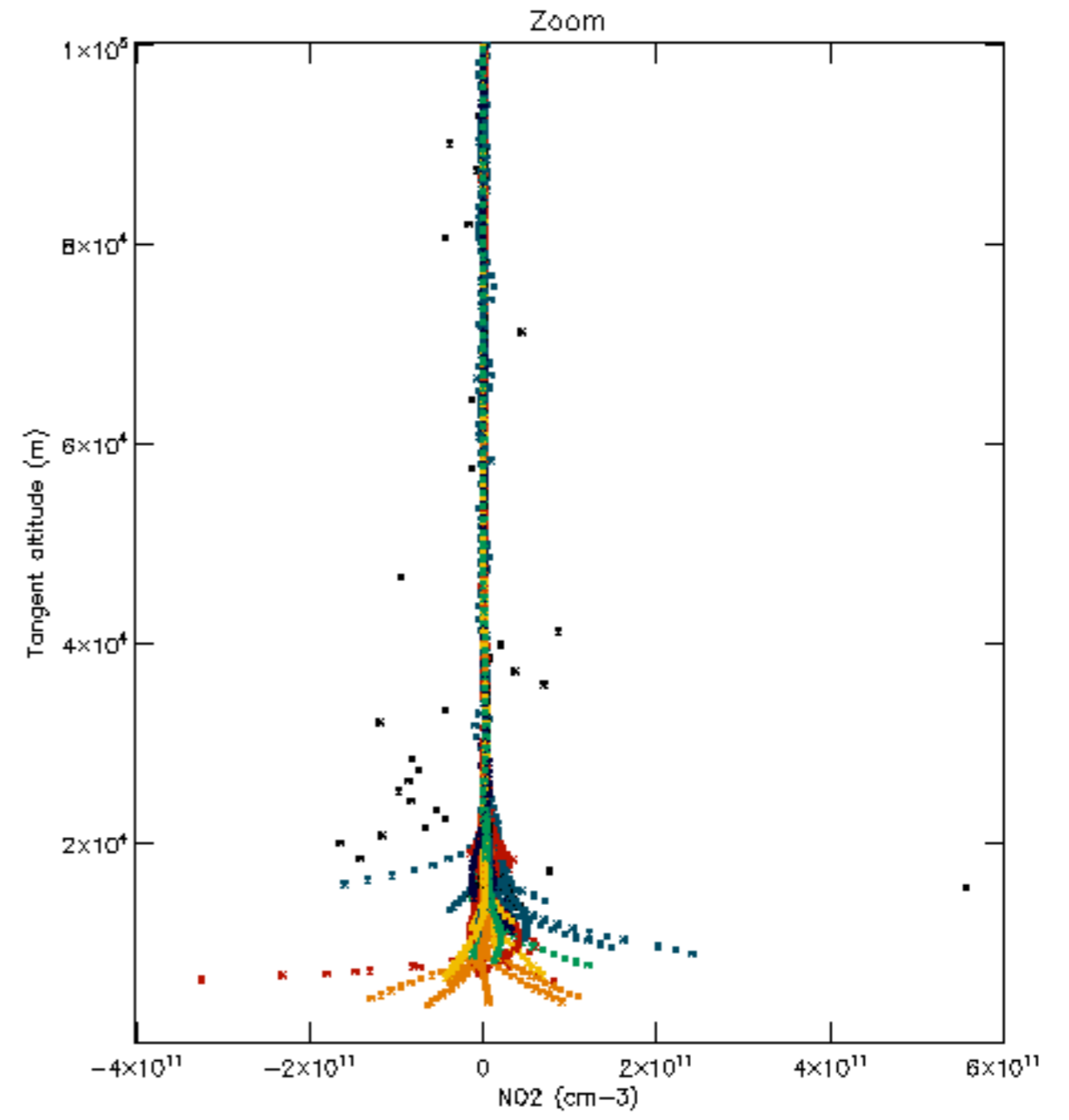
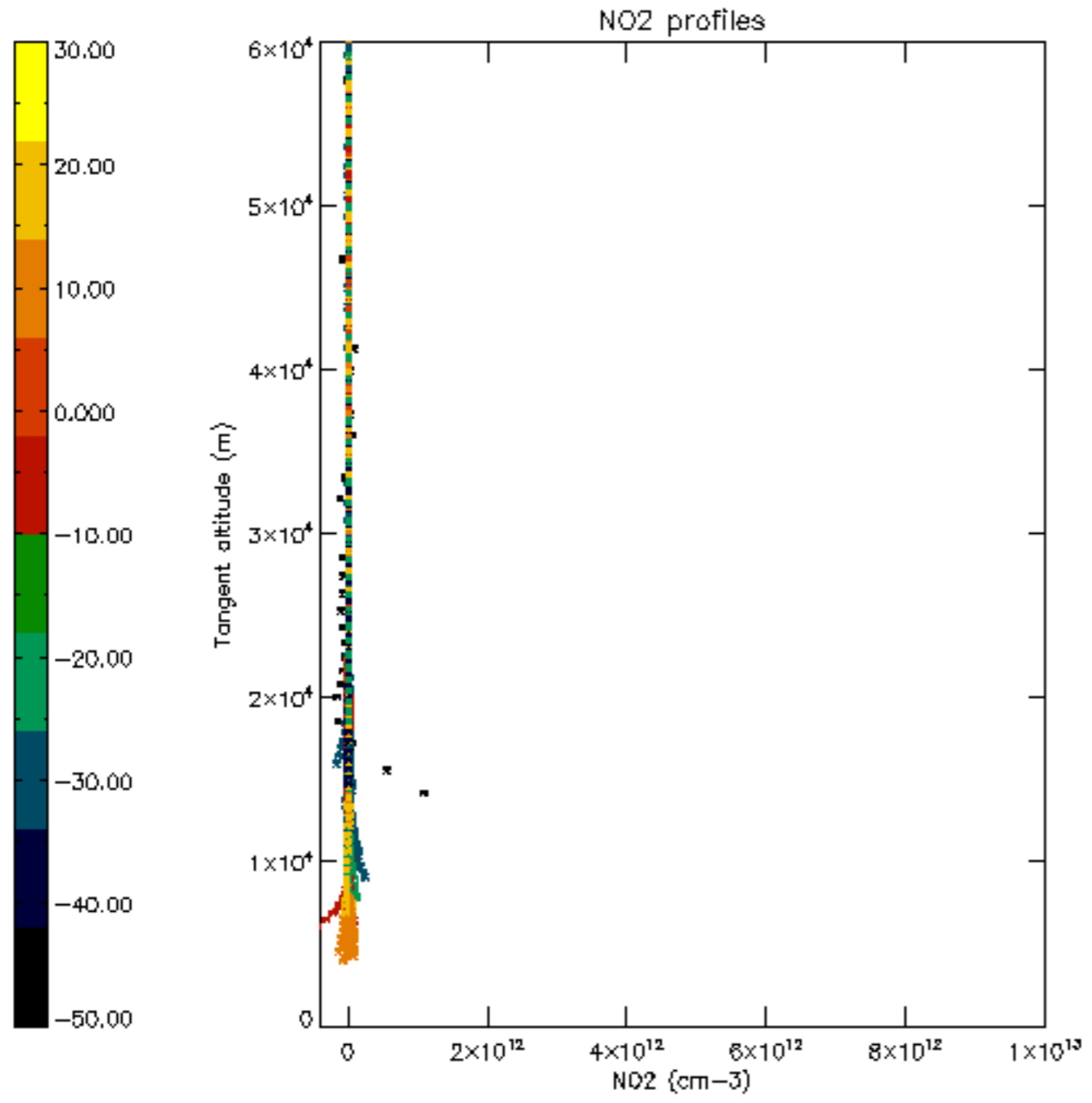


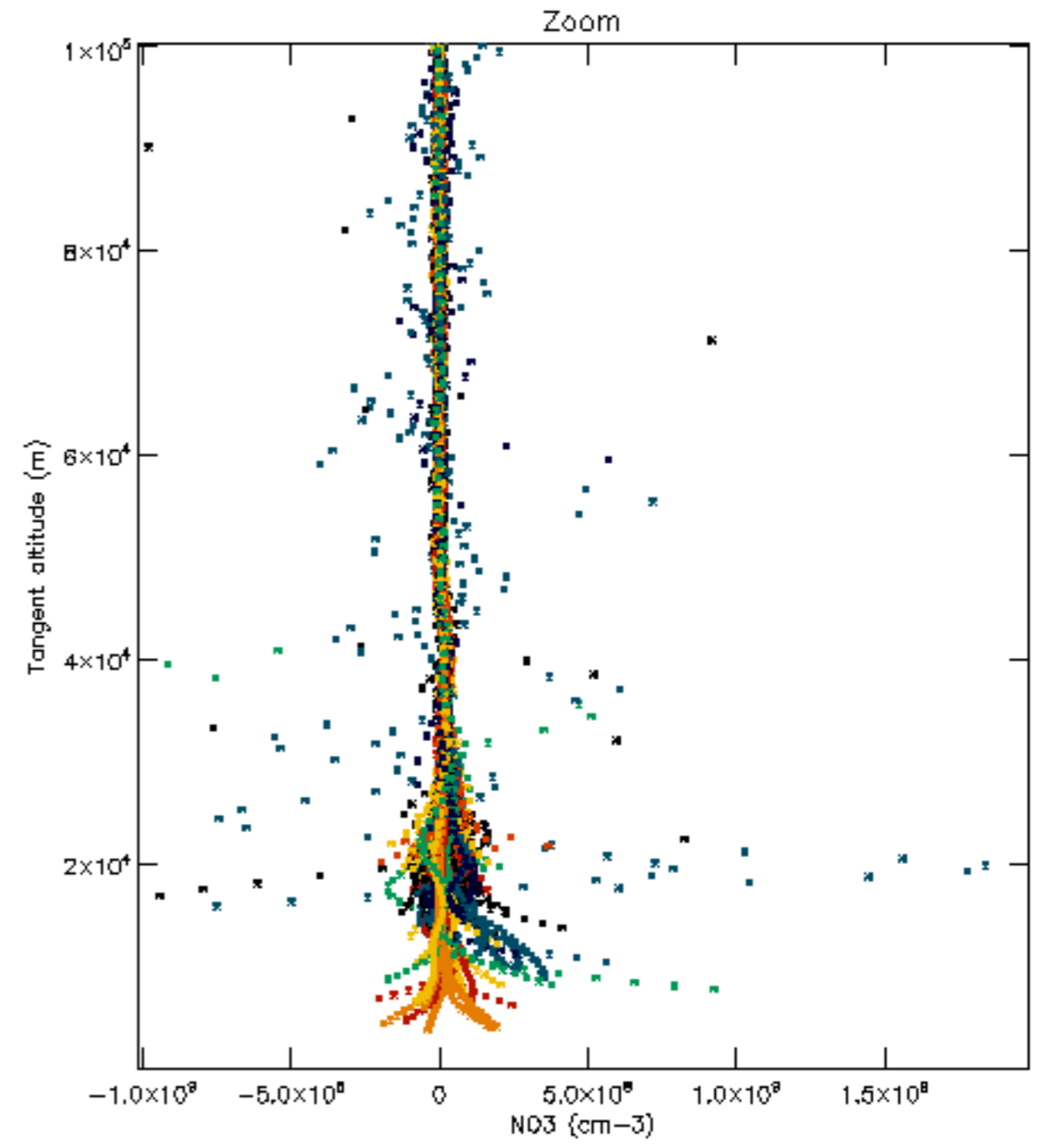
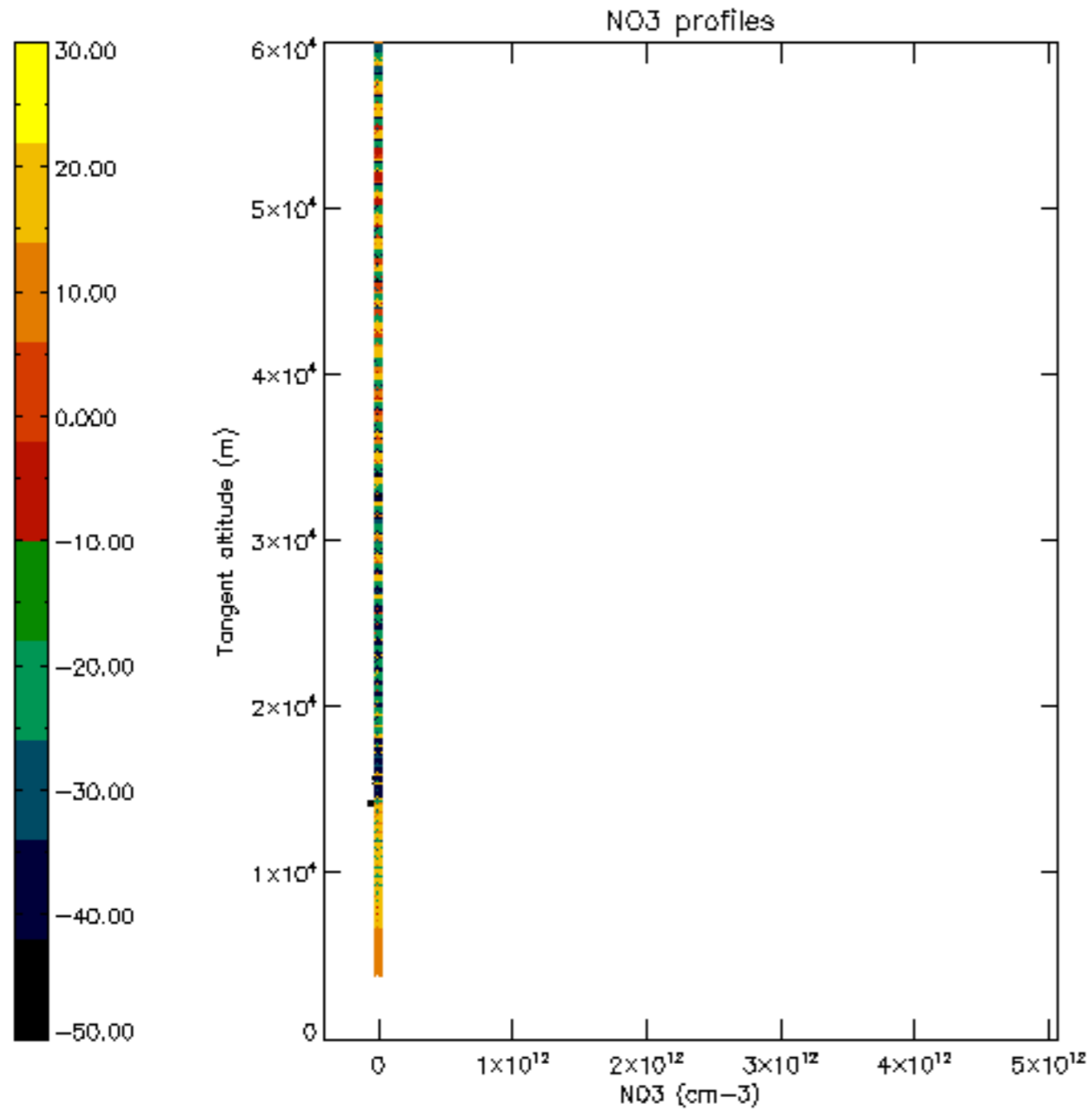




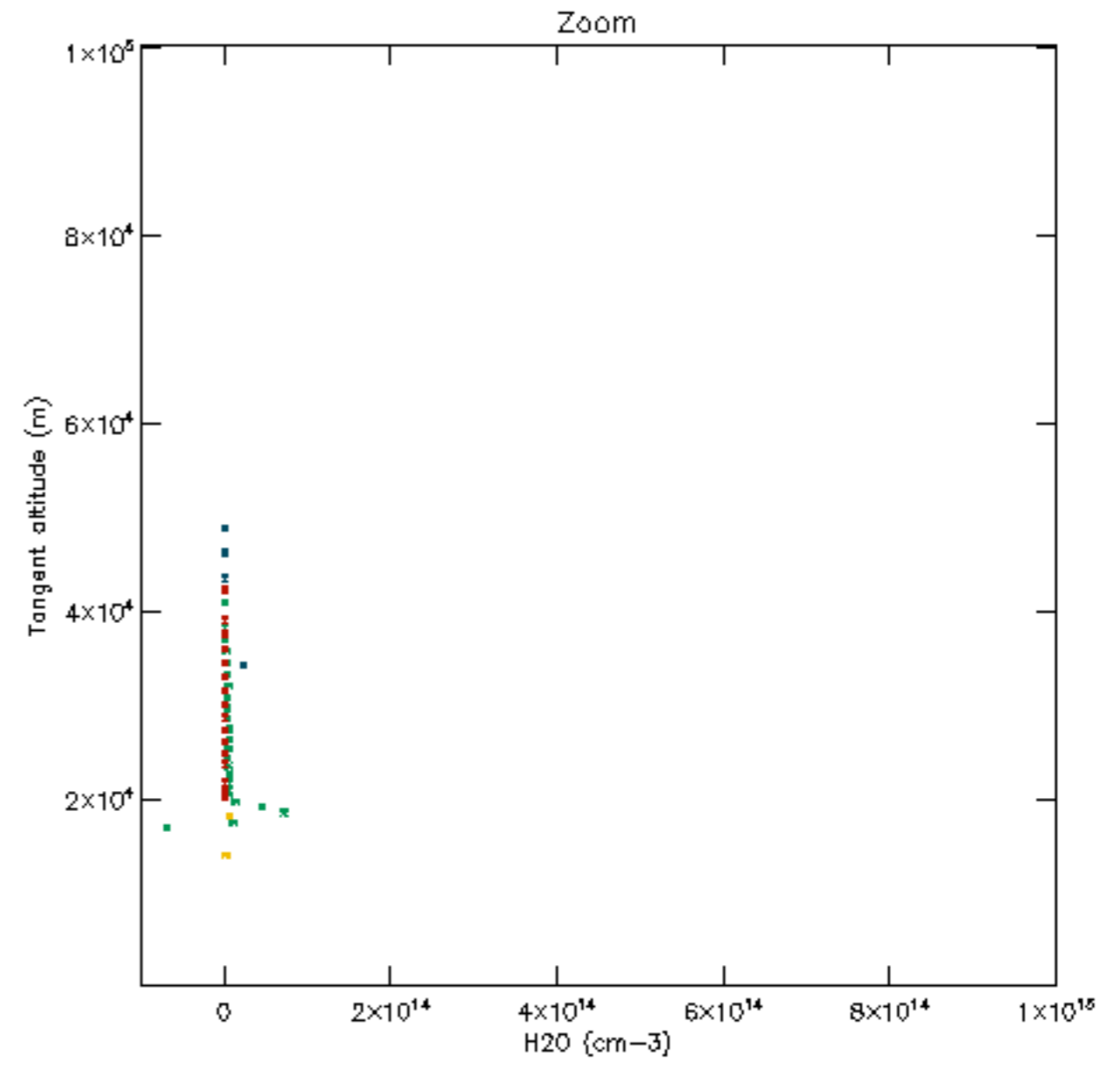
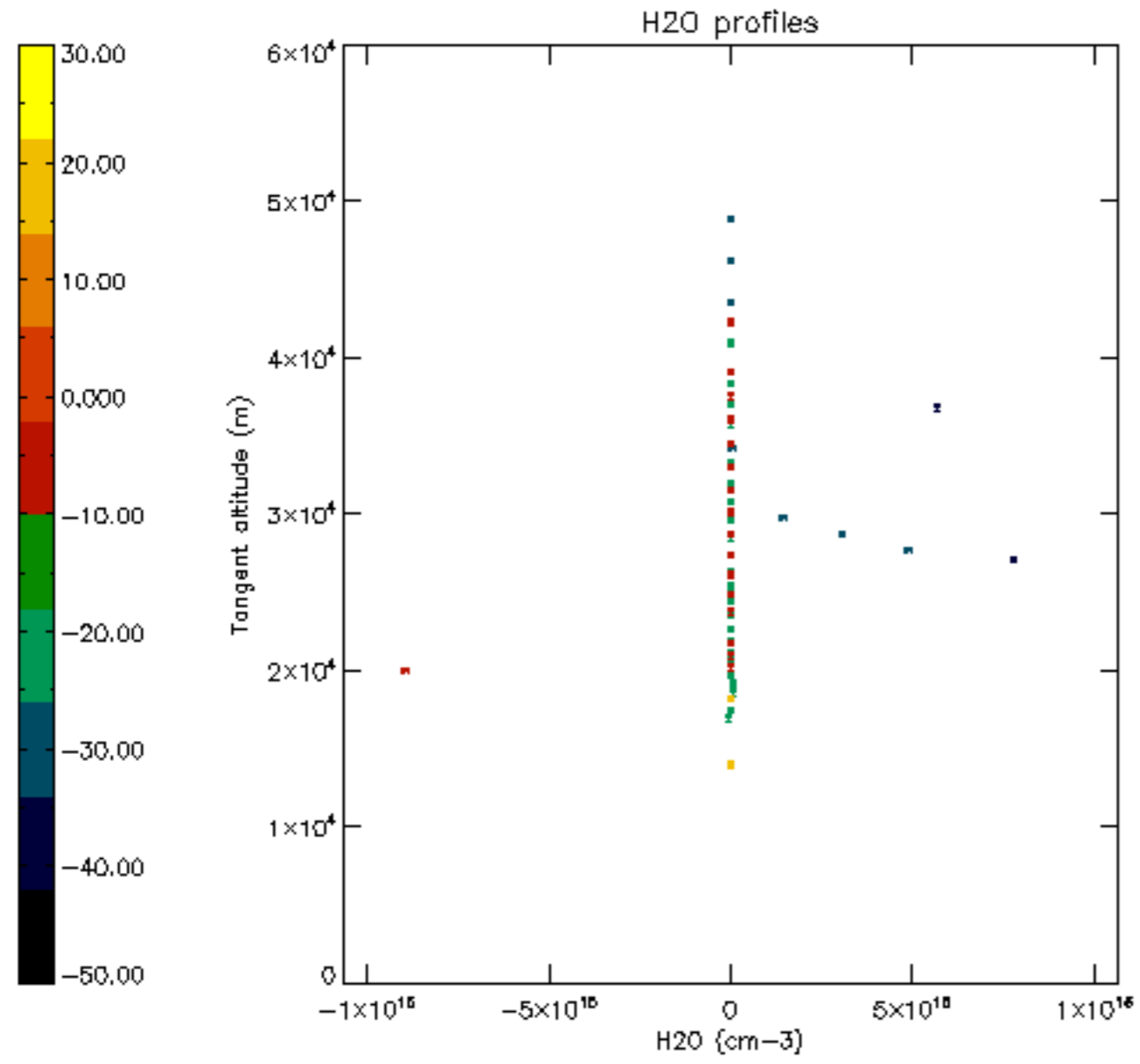


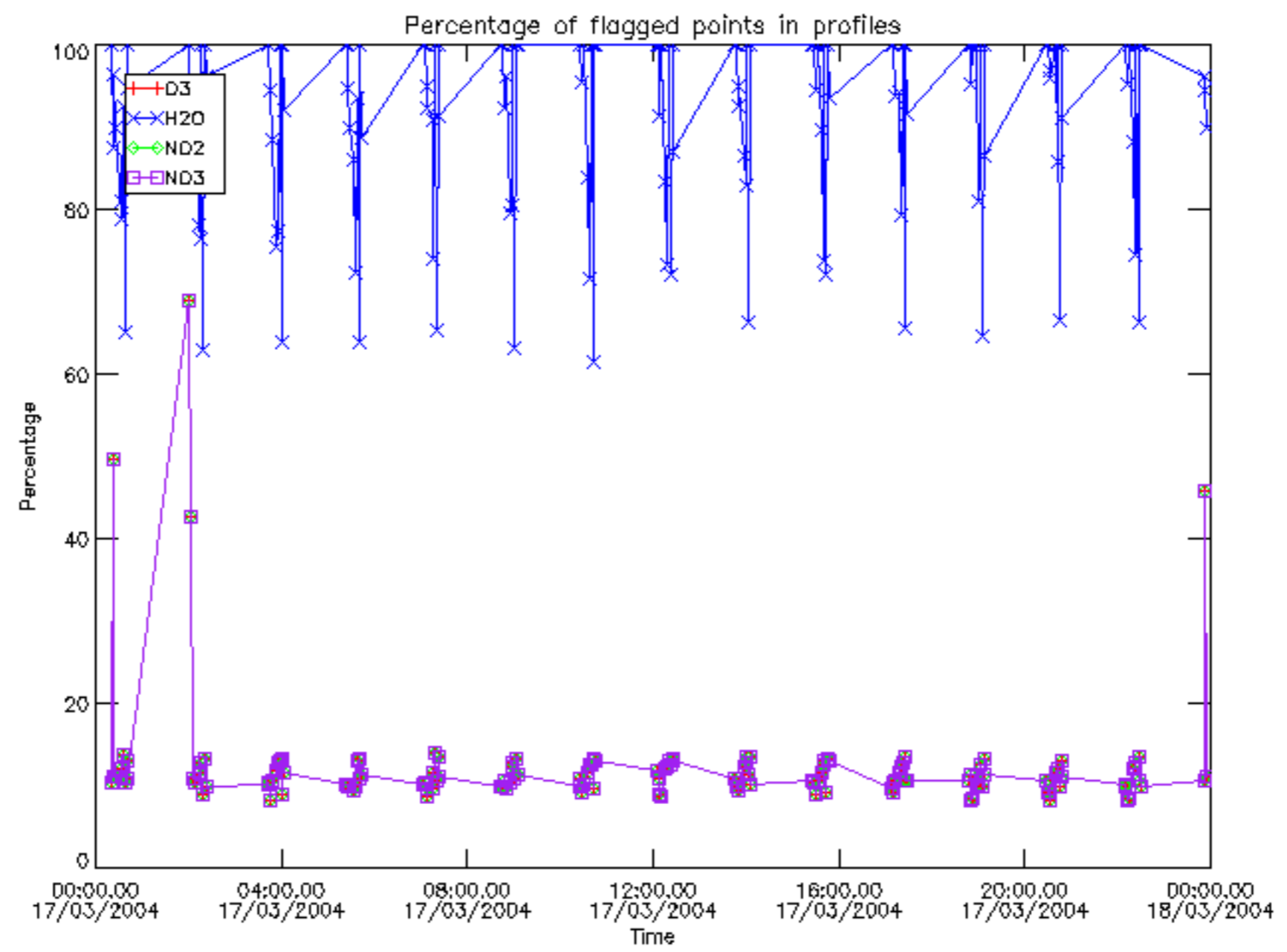




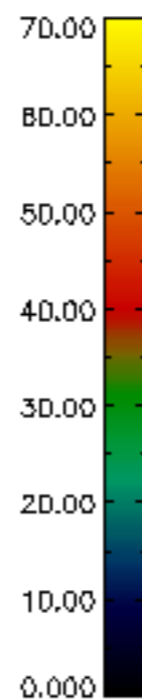
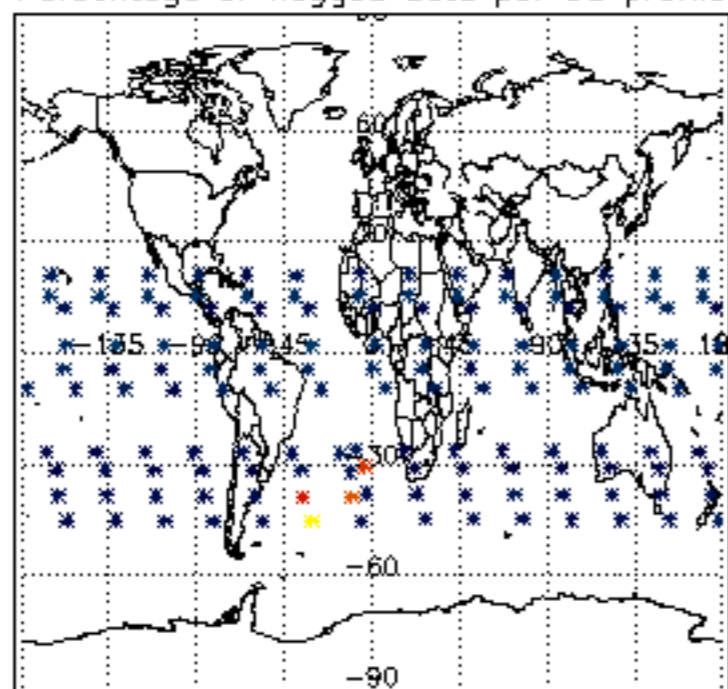




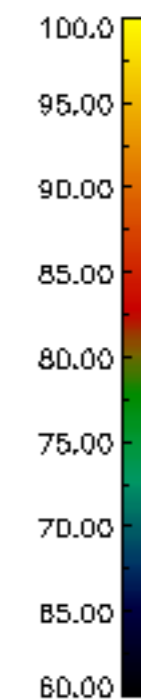
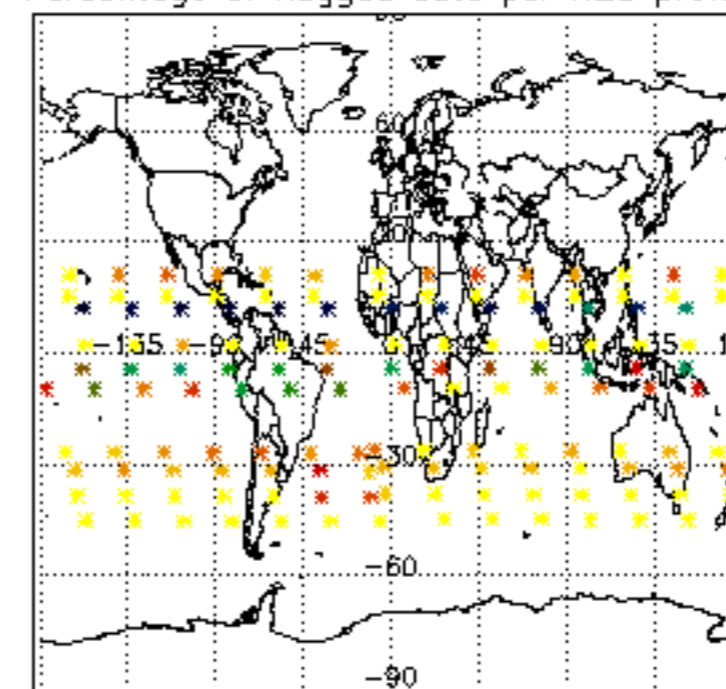




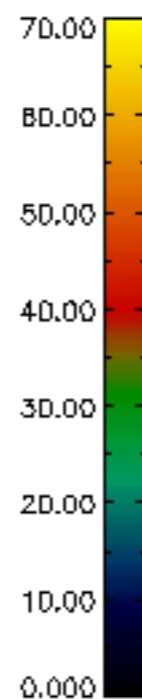
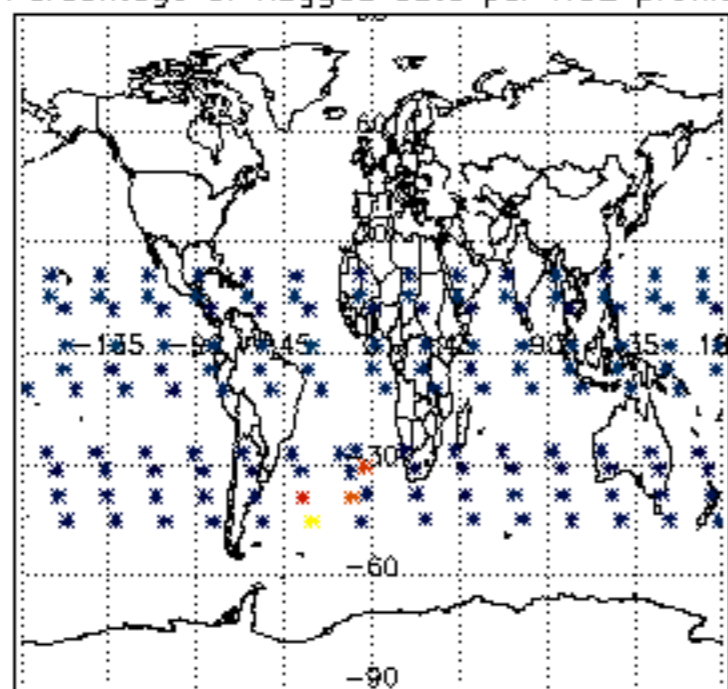
Percentage of flagged data per D3 profile



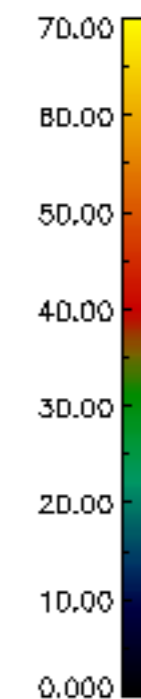
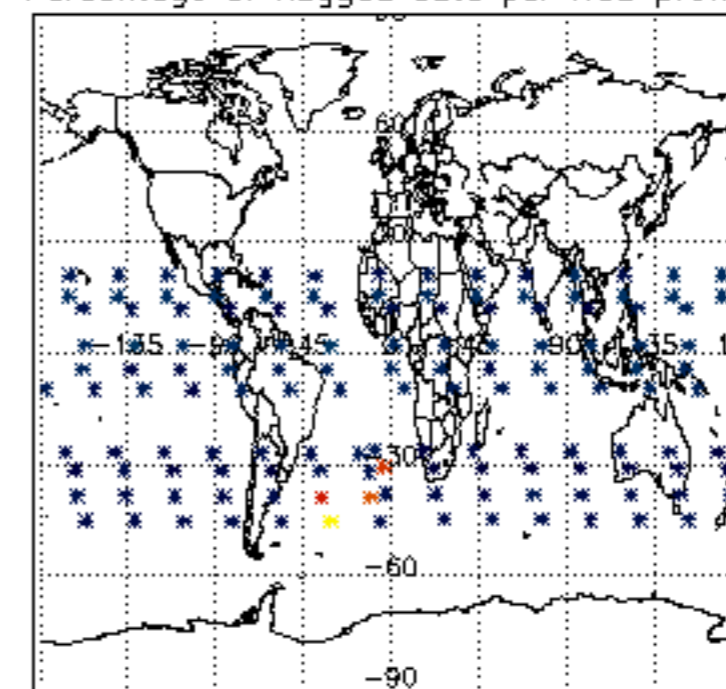
Percentage of flagged data per H2O profile

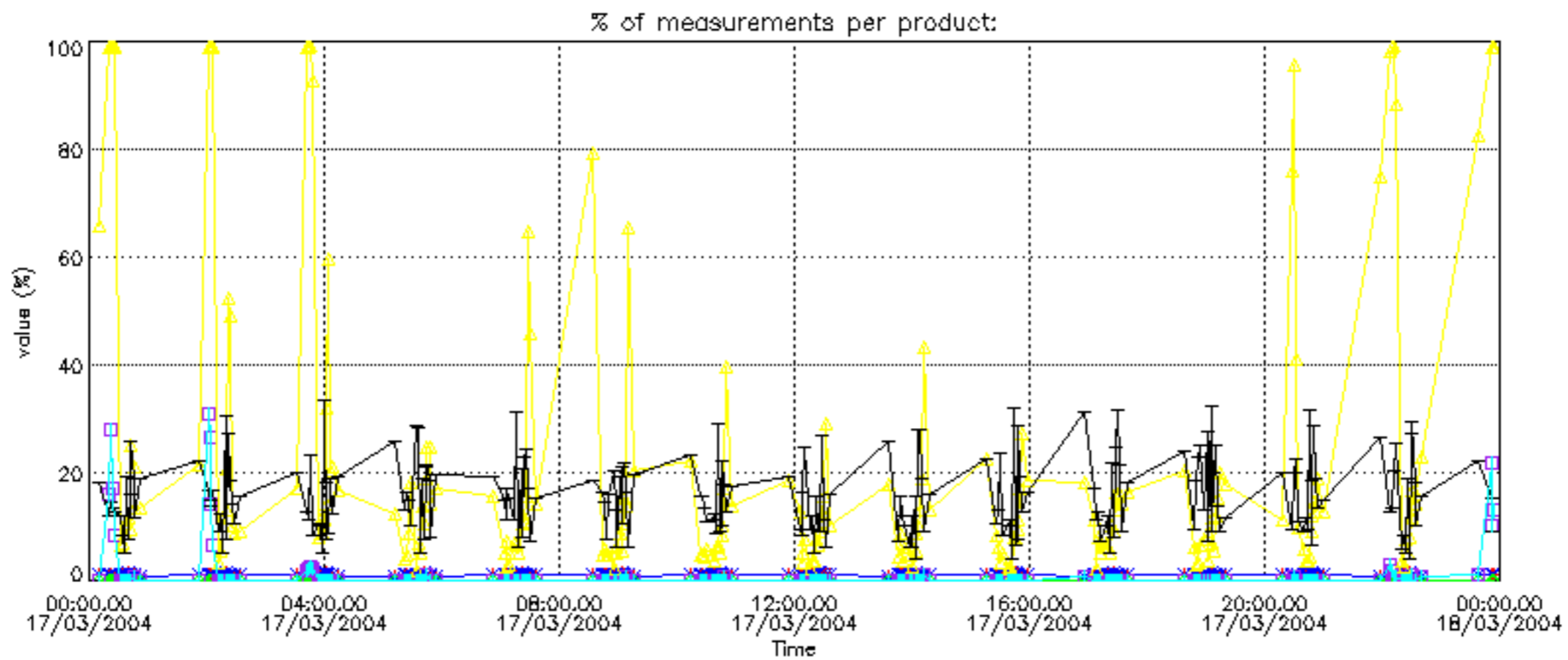


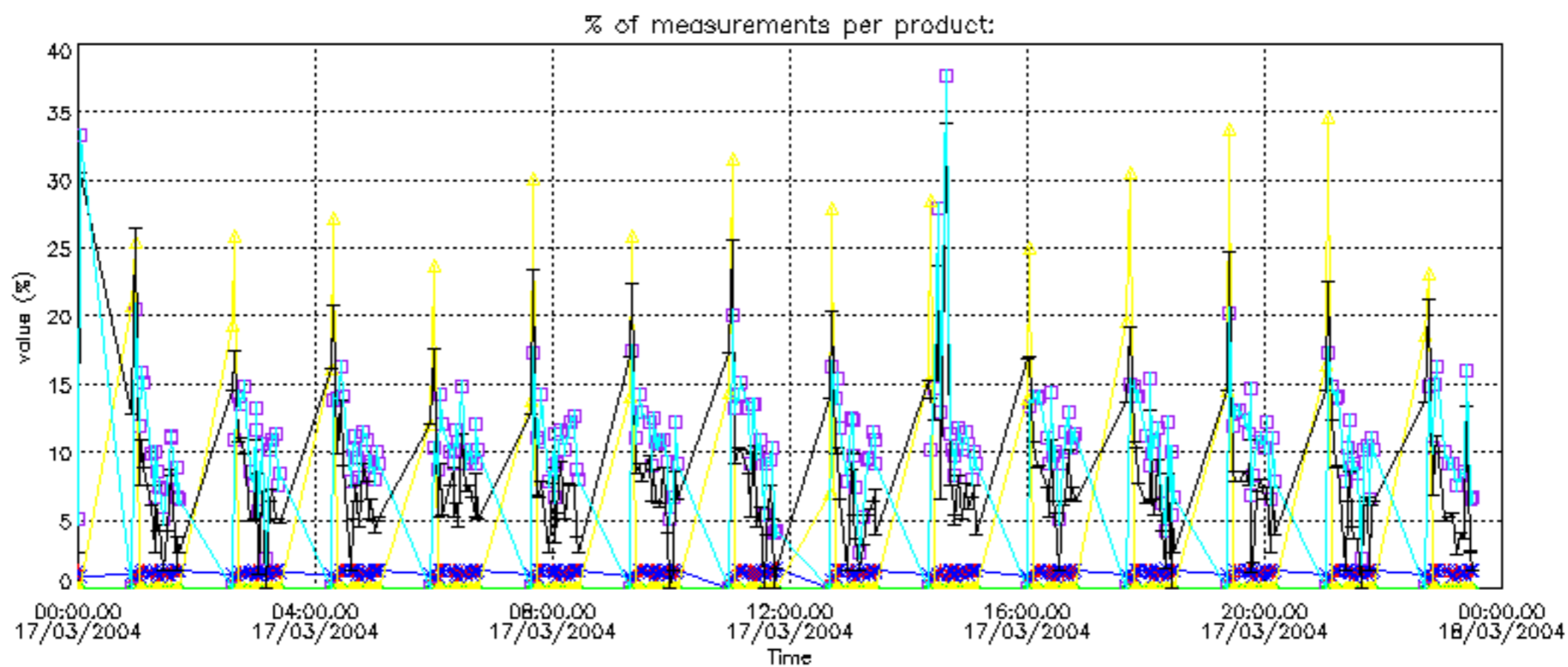
Percentage of flagged data per NO2 profile



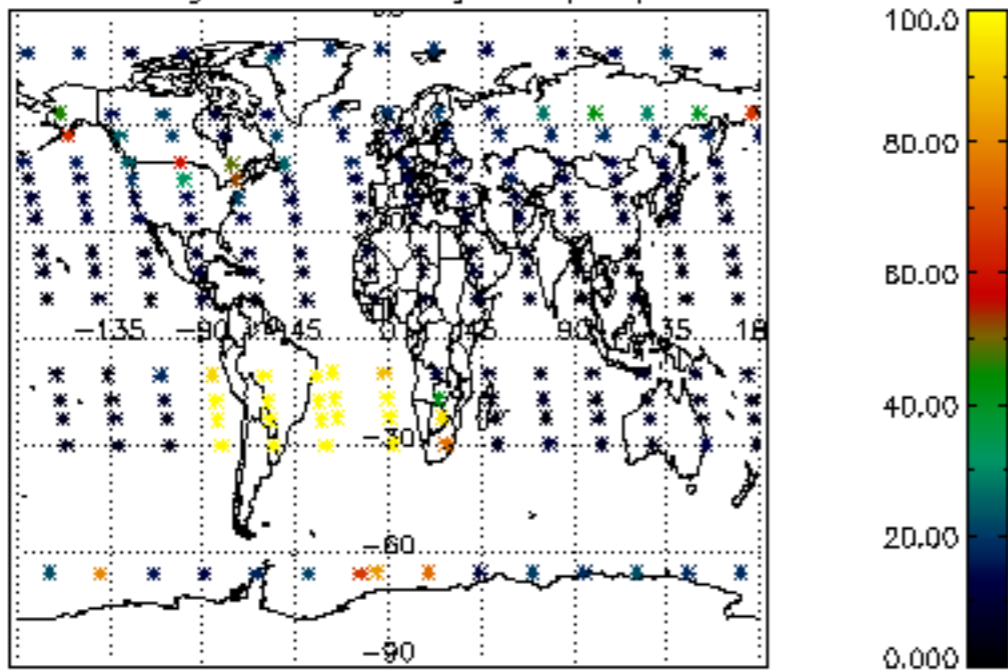
Percentage of flagged data per NO3 profile



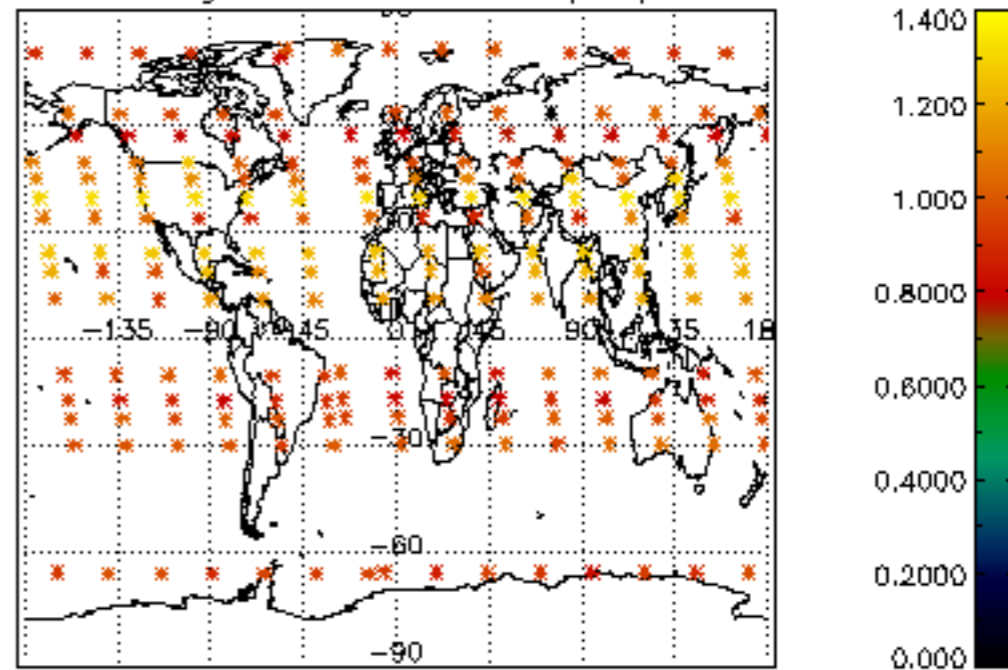




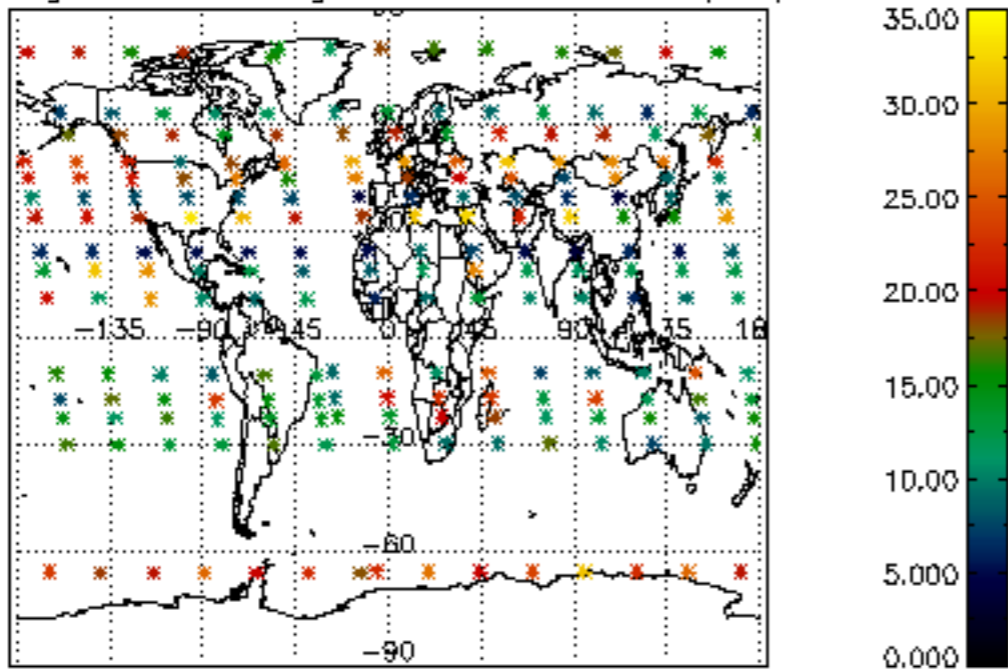
Percentage of cosmic ray hits per profile



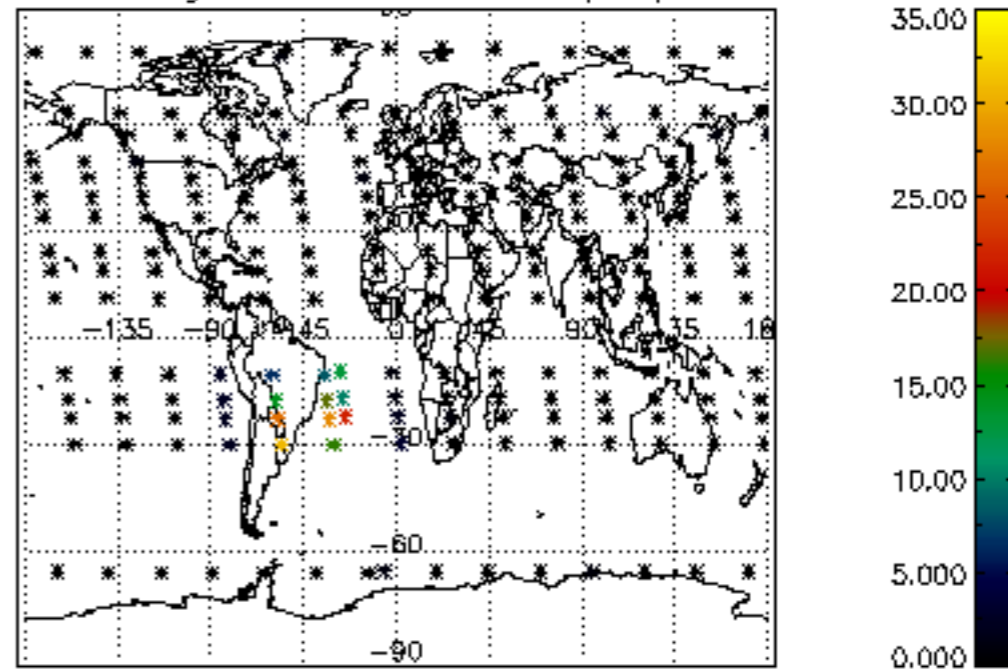
Percentage of datation errors per profile



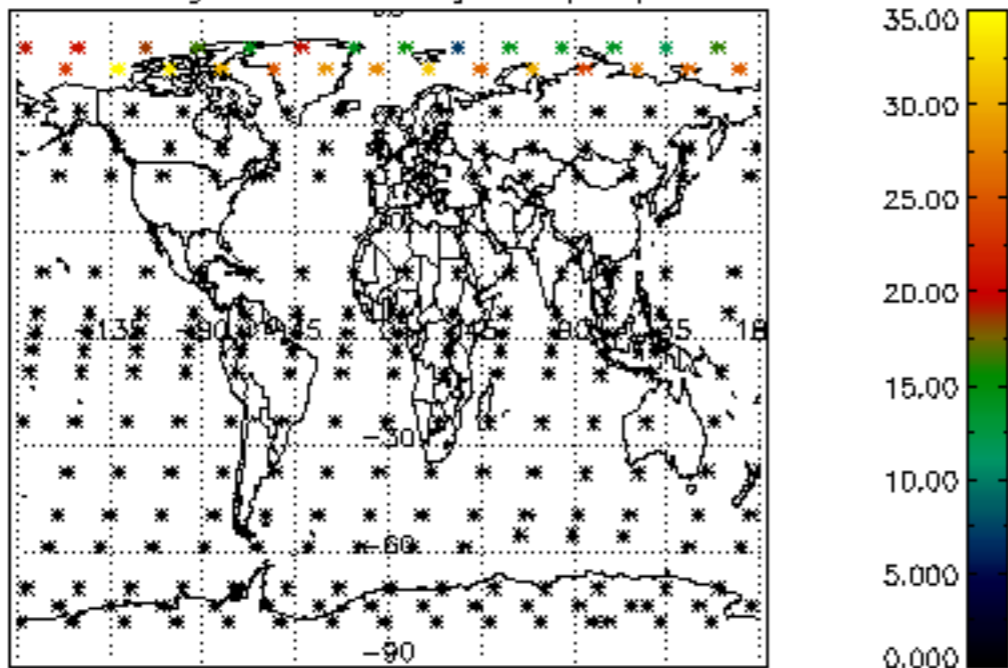
Percentage of star falling outside central band per profile



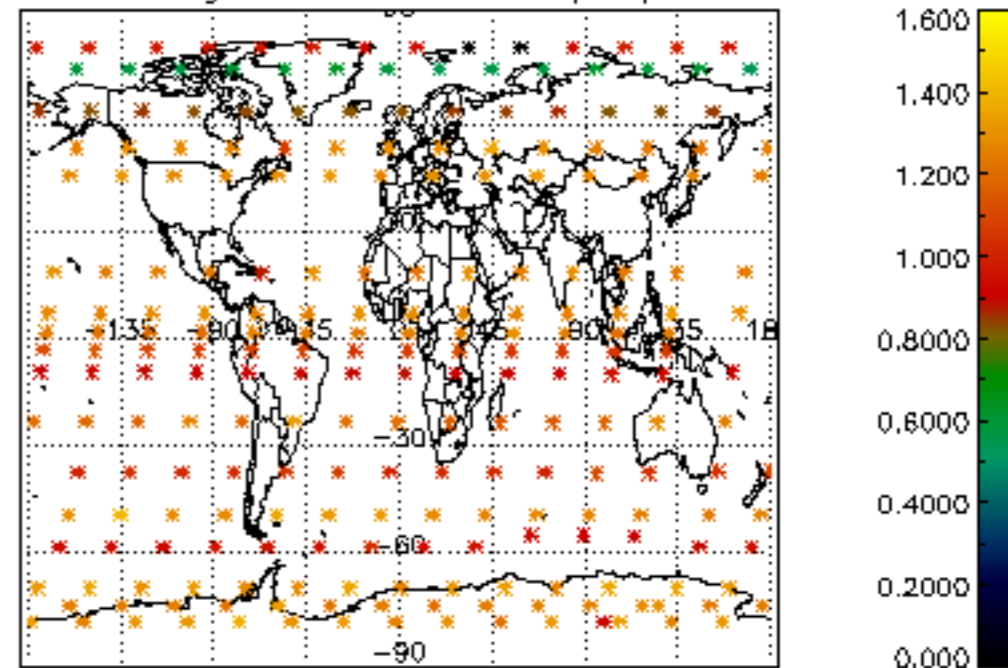
Percentage of saturation errors per profile



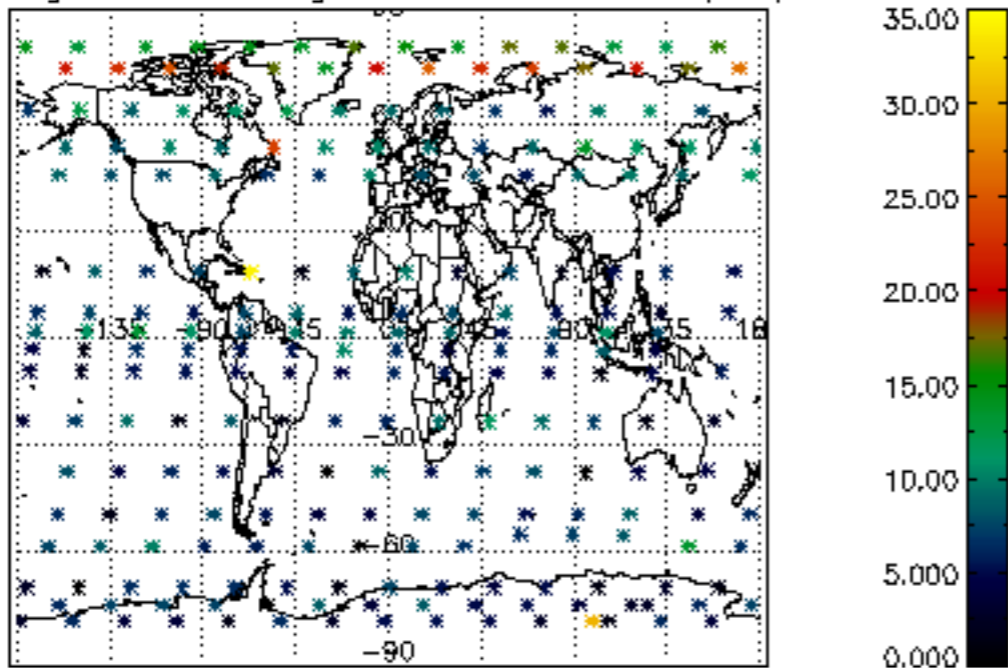
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

