

# GOMOS Level 2 Daily Report

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

| Item                      | Value                           |
|---------------------------|---------------------------------|
| Time of report generation | 29APR2013 16:34:09              |
| Data source version       | GOMOS/6.01                      |
| Start time of products    | 05-12-2010 (05DEC2010 00:00:00) |
| Stop time of products     | 06-12-2010 (06DEC2010 00:00:00) |
| Store outputs in DB       | Yes                             |
| Nb of level 2 prods       | 321                             |
| Nb of prods with errors   | 12                              |

## 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__2PRFIN20101205_000130_000000623097_00117_45821_0295.N1 | 05-DEC-2010 00:01:30 | Dark       | 61.500   | 117     | Pi Pup    | 2.7060   | 3800.0    | 123     | 45821 | No          |
| 2  | GOM_NL__2PRFIN20101205_000541_000000463097_00117_45821_0296.N1 | 05-DEC-2010 00:05:41 | Dark       | 45.500   | 108     | Alp Col   | 2.6520   | 15200.    | 91      | 45821 | No          |
| 3  | GOM_NL__2PRFIN20101205_001108_000000523097_00117_45821_0297.N1 | 05-DEC-2010 00:11:08 | Straylight | 51.500   | 101     | 11Alp Lep | 2.5820   | 7000.0    | 103     | 45821 | No          |
| 4  | GOM_NL__2PRFIN20101205_001433_000000563097_00117_45821_0298.N1 | 05-DEC-2010 00:14:33 | Straylight | 55.500   | 7       | 19Bet Ori | 0.10000  | 14000.    | 111     | 45821 | No          |
| 5  | GOM_NL__2PRFIN20101205_001952_000000333097_00117_45821_0299.N1 | 05-DEC-2010 00:19:52 | Twilight   | 33.000   | 27      | 24Gam Ori | 1.6360   | 26000.    | 66      | 45821 | No          |
| 6  | GOM_NL__2PRFIN20101205_002218_000000603097_00117_45821_0300.N1 | 05-DEC-2010 00:22:18 | Bright     | 60.000   | 13      | 87Alp Tau | 0.86700  | 3800.0    | 120     | 45821 | No          |
| 7  | GOM_NL__2PRFIN20101205_002405_000000363097_00117_45821_0301.N1 | 05-DEC-2010 00:24:05 | Bright     | 36.000   | 146     | 25Eta Tau | 2.8730   | 15200.    | 72      | 45821 | No          |
| 8  | GOM_NL__2PRFIN20101205_002622_000000383097_00117_45821_0302.N1 | 05-DEC-2010 00:26:22 | Bright     | 37.500   | 150     | 44Zet Per | 2.8900   | 28000.    | 75      | 45821 | No          |
| 9  | GOM_NL__2PRFIN20101205_002755_000000433097_00117_45821_0303.N1 | 05-DEC-2010 00:27:55 | Bright     | 43.000   | 114     | 3Iot Aur  | 2.6930   | 4600.0    | 86      | 45821 | No          |
| 10 | GOM_NL__2PRFIN20101205_003050_000000363097_00117_45821_0304.N1 | 05-DEC-2010 00:30:50 | Bright     | 35.500   | 175     | 39Del Per | 3.0100   | 19400.    | 71      | 45821 | No          |
| 11 | GOM_NL__2PRFIN20101205_003214_000000483097_00117_45821_0305.N1 | 05-DEC-2010 00:32:14 | Bright     | 48.000   | 6       | 13Alp Aur | 0.080000 | 3400.0    | 96      | 45821 | No          |
| 12 | GOM_NL__2PRFIN20101205_004837_000000463097_00117_45821_0306.N1 | 05-DEC-2010 00:48:37 | Bright     | 46.000   | 36      | 50Alp UMa | 1.8000   | 6300.0    | 92      | 45821 | No          |
| 13 | GOM_NL__2PRFIN20101205_005010_000000483097_00117_45821_0307.N1 | 05-DEC-2010 00:50:10 | Bright     | 47.500   | 82      | 48Bet UMa | 2.3650   | 10600.    | 95      | 45821 | No          |
| 14 | GOM_NL__2PRFIN20101205_005205_000000403097_00117_45821_0308.N1 | 05-DEC-2010 00:52:05 | Bright     | 40.000   | 32      | 77Eps UMa | 1.7630   | 11000.    | 80      | 45821 | No          |
| 15 | GOM_NL__2PRFIN20101205_005416_000000373097_00117_45821_0309.N1 | 05-DEC-2010 00:54:16 | Bright     | 36.500   | 39      | 85Eta UMa | 1.8540   | 24000.    | 73      | 45821 | No          |
| 16 | GOM_NL__2PRFIN20101205_005745_000000413097_00117_45821_0310.N1 | 05-DEC-2010 00:57:45 | Bright     | 40.500   | 152     | 12Alp2CVn | 2.8900   | 11000.    | 81      | 45821 | No          |
| 17 | GOM_NL__2PRFIN20101205_010321_000000363097_00117_45821_0311.N1 | 05-DEC-2010 01:03:21 | Bright     | 36.000   | 111     | 8Eta Boo  | 2.6800   | 6000.0    | 72      | 45821 | No          |
| 18 | GOM_NL__2PRFIN20101205_010636_000000443097_00117_45821_0312.N1 | 05-DEC-2010 01:06:36 | Bright     | 44.000   | 138     | 47Eps Vir | 2.8280   | 4700.0    | 88      | 45821 | No          |
| 19 | GOM_NL__2PRFIN20101205_011107_000000503097_00117_45821_0313.N1 | 05-DEC-2010 01:11:07 | Bright     | 49.500   | 121     | 29Gam Vir | 2.7400   | 7200.0    | 99      | 45821 | No          |
| 20 | GOM_NL__2PRFIN20101205_011835_000000543097_00117_45821_0314.N1 | 05-DEC-2010 01:18:35 | Dark       | 53.500   | 171     | 2Eps Crv  | 3.0010   | 4250.0    | 107     | 45821 | Yes         |
| 21 | GOM_NL__2PRFIN20101205_014555_000000453097_00118_45822_0340.N1 | 05-DEC-2010 01:45:55 | Dark       | 44.500   | 108     | Alp Col   | 2.6520   | 15200.    | 89      | 45822 | No          |
| 22 | GOM_NL__2PRFIN20101205_015122_000000503097_00118_45822_0341.N1 | 05-DEC-2010 01:51:22 | Straylight | 49.500   | 101     | 11Alp Lep | 2.5820   | 7000.0    | 99      | 45822 | No          |
| 23 | GOM_NL__2PRFIN20101205_015447_000000623097_00118_45822_0342.N1 | 05-DEC-2010 01:54:47 | Straylight | 62.000   | 7       | 19Bet Ori | 0.10000  | 14000.    | 124     | 45822 | No          |
| 24 | GOM_NL__2PRFIN20101205_020006_000000403097_00118_45822_0343.N1 | 05-DEC-2010 02:00:06 | Twilight   | 39.500   | 27      | 24Gam Ori | 1.6360   | 26000.    | 79      | 45822 | No          |
| 25 | GOM_NL__2PRFIN20101205_020232_000000393097_00118_45822_0344.N1 | 05-DEC-2010 02:02:32 | Bright     | 38.500   | 13      | 87Alp Tau | 0.86700  | 3800.0    | 77      | 45822 | No          |
| 26 | GOM_NL__2PRFIN20101205_020418_000000383097_00118_45822_0345.N1 | 05-DEC-2010 02:04:18 | Bright     | 37.500   | 146     | 25Eta Tau | 2.8730   | 15200.    | 75      | 45822 | No          |
| 27 | GOM_NL__2PRFIN20101205_020636_000000203097_00118_45822_0346.N1 | 05-DEC-2010 02:06:36 | Twilight   | 20.000   | 150     | 44Zet Per | 2.8900   | 28000.    | 40      | 45822 | No          |
| 28 | GOM_NL__2PRFIN20101205_020808_000000453097_00118_45822_0347.N1 | 05-DEC-2010 02:08:08 | Dark       | 45.000   | 114     | 3Iot Aur  | 2.6930   | 4600.0    | 90      | 45822 | Yes         |
| 29 | GOM_NL__2PRFIN20101205_021104_000000093097_00118_45822_0348.N1 | 05-DEC-2010 02:11:04 | Straylight | 8.5000   | 175     | 39Del Per | 3.0100   | 19400.    | 17      | 45822 | No          |
| 30 | GOM_NL__2PRFIN20101205_021227_000000453097_00118_45822_0349.N1 | 05-DEC-2010 02:12:27 | Dark       | 44.500   | 6       | 13Alp Aur | 0.080000 | 3400.0    | 89      | 45822 | Yes         |
| 31 | GOM_NL__2PRFIN20101205_022850_000000293097_00118_45822_0350.N1 | 05-DEC-2010 02:28:50 | Twilight   | 28.500   | 36      | 50Alp UMa | 1.8000   | 6300.0    | 57      | 45822 | No          |
| 32 | GOM_NL__2PRFIN20101205_023024_000000443097_00118_45822_0351.N1 | 05-DEC-2010 02:30:24 | Bright     | 43.500   | 82      | 48Bet UMa | 2.3650   | 10600.    | 87      | 45822 | No          |
| 33 | GOM_NL__2PRFIN20101205_023219_000000423097_00118_45822_0352.N1 | 05-DEC-2010 02:32:19 | Bright     | 41.500   | 32      | 77Eps UMa | 1.7630   | 11000.    | 83      | 45822 | No          |
| 34 | GOM_NL__2PRFIN20101205_023430_000000493097_00118_45822_0353.N1 | 05-DEC-2010 02:34:30 | Bright     | 48.500   | 39      | 85Eta UMa | 1.8540   | 24000.    | 97      | 45822 | No          |
| 35 | GOM_NL__2PRFIN20101205_023800_000000423097_00118_45822_0354.N1 | 05-DEC-2010 02:38:00 | Dark       | 41.500   | 152     | 12Alp2CVn | 2.8900   | 11000.    | 83      | 45822 | Yes         |
| 36 | GOM_NL__2PRFIN20101205_024336_000000363097_00118_45822_0355.N1 | 05-DEC-2010 02:43:36 | Dark       | 36.000   | 111     | 8Eta Boo  | 2.6800   | 6000.0    | 72      | 45822 | Yes         |
| 37 | GOM_NL__2PRFIN20101205_024650_000000243097_00118_45822_0356.N1 | 05-DEC-2010 02:46:50 | Twilight   | 23.500   | 138     | 47Eps Vir | 2.8280   | 4700.0    | 47      | 45822 | No          |
| 38 | GOM_NL__2PRFIN20101205_025122_000000133097_00118_45822_0357.N1 | 05-DEC-2010 02:51:22 | Straylight | 13.000   | 121     | 29Gam Vir | 2.7400   | 7200.0    | 26      | 45822 | No          |
| 39 | GOM_NL__2PRFIN20101205_025850_000000113097_00118_45822_0358.N1 | 05-DEC-2010 02:58:50 | Dark       | 10.500   | 171     | 2Eps Crv  | 3.0010   | 4250.0    | 21      | 45822 | No          |
| 40 | GOM_NL__2PRFIN20101205_030813_000000133097_00119_45823_0357.N1 | 05-DEC-2010 03:08:13 | Dark       | 13.000   | 113     | Mu Vel    | 2.6920   | 5000.0    | 26      | 45823 | Yes         |
| 41 | GOM_NL__2PRFIN20101205_031651_000000513097_00119_45823_0358.N1 | 05-DEC-2010 03:16:51 | Dark       | 50.500   | 34      | Gam2Vel   | 1.7930   | 23000.    | 101     | 45823 | No          |
| 42 | GOM_NL__2PRFIN20101205_031952_000000583097_00119_45823_0359.N1 | 05-DEC-2010 03:19:52 | Dark       | 57.500   | 2       | Alp Car   | -0.73600 | 7000.0    | 115     | 45823 | No          |

|     |  |                      |            |        |     |           |          |        |     |       |     |
|-----|--|----------------------|------------|--------|-----|-----------|----------|--------|-----|-------|-----|
| 43  | GOM_NL__2PRFIN20101205_032200_000000453097_00119_45823_0360.N1 | 05-DEC-2010 03:22:00 | Dark       | 45.000 | 117 | Pi Pup    | 2.7060   | 3800.0 | 90  | 45823 | Yes |
| 44  | GOM_NL__2PRFIN20101205_032610_000000443097_00119_45823_0361.N1 | 05-DEC-2010 03:26:10 | Dark       | 44.000 | 108 | Alp Col   | 2.6520   | 15200. | 88  | 45823 | No  |
| 45  | GOM_NL__2PRFIN20101205_033137_000000503097_00119_45823_0362.N1 | 05-DEC-2010 03:31:37 | Dark       | 50.000 | 101 | 11Alp Lep | 2.5820   | 7000.0 | 100 | 45823 | Yes |
| 46  | GOM_NL__2PRFIN20101205_033501_000000333097_00119_45823_0363.N1 | 05-DEC-2010 03:35:01 | Dark       | 32.500 | 7   | 19Bet Ori | 0.10000  | 14000. | 65  | 45823 | Yes |
| 47  | GOM_NL__2PRFIN20101205_034020_000000383097_00119_45823_0364.N1 | 05-DEC-2010 03:40:20 | Twilight   | 38.000 | 27  | 24Gam Ori | 1.6360   | 26000. | 76  | 45823 | No  |
| 48  | GOM_NL__2PRFIN20101205_034245_000000593097_00119_45823_0365.N1 | 05-DEC-2010 03:42:45 | Bright     | 59.000 | 13  | 87Alp Tau | 0.86700  | 3800.0 | 118 | 45823 | No  |
| 49  | GOM_NL__2PRFIN20101205_034432_000000243097_00119_45823_0366.N1 | 05-DEC-2010 03:44:32 | Twilight   | 24.000 | 146 | 25Eta Tau | 2.8730   | 15200. | 48  | 45823 | No  |
| 50  | GOM_NL__2PRFIN20101205_034650_000000233097_00119_45823_0367.N1 | 05-DEC-2010 03:46:50 | Dark       | 22.500 | 150 | 44Zet Per | 2.8900   | 28000. | 45  | 45823 | Yes |
| 51  | GOM_NL__2PRFIN20101205_034822_000000453097_00119_45823_0368.N1 | 05-DEC-2010 03:48:22 | Bright     | 44.500 | 114 | 3lot Aur  | 2.6930   | 4600.0 | 89  | 45823 | No  |
| 52  | GOM_NL__2PRFIN20101205_035118_000000363097_00119_45823_0369.N1 | 05-DEC-2010 03:51:18 | Dark       | 35.500 | 175 | 39Del Per | 3.0100   | 19400. | 71  | 45823 | Yes |
| 53  | GOM_NL__2PRFIN20101205_035241_000000093097_00119_45823_0370.N1 | 05-DEC-2010 03:52:41 | Straylight | 9.0000 | 6   | 13Alp Aur | 0.080000 | 3400.0 | 18  | 45823 | No  |
| 54  | GOM_NL__2PRFIN20101205_040904_000000313097_00119_45823_0371.N1 | 05-DEC-2010 04:09:04 | Dark       | 30.500 | 36  | 50Alp UMa | 1.8000   | 6300.0 | 61  | 45823 | Yes |
| 55  | GOM_NL__2PRFIN20101205_054918_000000463097_00120_45824_0369.N1 | 05-DEC-2010 05:49:18 | Bright     | 46.000 | 36  | 50Alp UMa | 1.8000   | 6300.0 | 92  | 45824 | No  |
| 56  | GOM_NL__2PRFIN20101205_055051_000000483097_00120_45824_0370.N1 | 05-DEC-2010 05:50:51 | Bright     | 48.000 | 82  | 48Bet UMa | 2.3650   | 10600. | 96  | 45824 | No  |
| 57  | GOM_NL__2PRFIN20101205_055247_000000423097_00120_45824_0371.N1 | 05-DEC-2010 05:52:47 | Bright     | 41.500 | 32  | 77Eps UMa | 1.7630   | 11000. | 83  | 45824 | No  |
| 58  | GOM_NL__2PRFIN20101205_055459_000000373097_00120_45824_0372.N1 | 05-DEC-2010 05:54:59 | Bright     | 36.500 | 39  | 85Eta UMa | 1.8540   | 24000. | 73  | 45824 | No  |
| 59  | GOM_NL__2PRFIN20101205_055828_000000413097_00120_45824_0373.N1 | 05-DEC-2010 05:58:28 | Bright     | 40.500 | 152 | 12Alp2CVn | 2.8900   | 11000. | 81  | 45824 | No  |
| 60  | GOM_NL__2PRFIN20101205_060404_000000373097_00120_45824_0374.N1 | 05-DEC-2010 06:04:04 | Bright     | 36.500 | 111 | 8Eta Boo  | 2.6800   | 6000.0 | 73  | 45824 | No  |
| 61  | GOM_NL__2PRFIN20101205_060719_000000523097_00120_45824_0375.N1 | 05-DEC-2010 06:07:19 | Bright     | 52.000 | 138 | 47Eps Vir | 2.8280   | 4700.0 | 104 | 45824 | No  |
| 62  | GOM_NL__2PRFIN20101205_061151_000000493097_00120_45824_0376.N1 | 05-DEC-2010 06:11:51 | Bright     | 48.500 | 121 | 29Gam Vir | 2.7400   | 7200.0 | 97  | 45824 | No  |
| 63  | GOM_NL__2PRFIN20101205_061744_000000513097_00120_45824_0377.N1 | 05-DEC-2010 06:17:44 | Dark       | 50.500 | 100 | 4Gam Crv  | 2.5800   | 13100. | 101 | 45824 | No  |
| 64  | GOM_NL__2PRFIN20101205_061920_000000533097_00120_45824_0378.N1 | 05-DEC-2010 06:19:20 | Dark       | 53.000 | 171 | 2Eps Crv  | 3.0010   | 4250.0 | 106 | 45824 | No  |
| 65  | GOM_NL__2PRFIN20101205_062843_000000463097_00121_45825_0400.N1 | 05-DEC-2010 06:28:43 | Dark       | 45.500 | 113 | Mu Vel    | 2.6920   | 5000.0 | 91  | 45825 | No  |
| 66  | GOM_NL__2PRFIN20101205_063721_000000503097_00121_45825_0401.N1 | 05-DEC-2010 06:37:21 | Dark       | 50.000 | 34  | Gam2Vel   | 1.7930   | 23000. | 100 | 45825 | No  |
| 67  | GOM_NL__2PRFIN20101205_064021_000000483097_00121_45825_0402.N1 | 05-DEC-2010 06:40:21 | Dark       | 47.500 | 2   | Alp Car   | -0.73600 | 7000.0 | 95  | 45825 | No  |
| 68  | GOM_NL__2PRFIN20101205_064229_000000603097_00121_45825_0403.N1 | 05-DEC-2010 06:42:29 | Dark       | 59.500 | 117 | Pi Pup    | 2.7060   | 3800.0 | 119 | 45825 | No  |
| 69  | GOM_NL__2PRFIN20101205_064639_000000443097_00121_45825_0404.N1 | 05-DEC-2010 06:46:39 | Dark       | 44.000 | 108 | Alp Col   | 2.6520   | 15200. | 88  | 45825 | No  |
| 70  | GOM_NL__2PRFIN20101205_065205_000000523097_00121_45825_0405.N1 | 05-DEC-2010 06:52:05 | Straylight | 52.000 | 101 | 11Alp Lep | 2.5820   | 7000.0 | 104 | 45825 | No  |
| 71  | GOM_NL__2PRFIN20101205_065529_000000593097_00121_45825_0406.N1 | 05-DEC-2010 06:55:29 | Straylight | 59.000 | 7   | 19Bet Ori | 0.10000  | 14000. | 118 | 45825 | No  |
| 72  | GOM_NL__2PRFIN20101205_065828_000000313097_00121_45825_0407.N1 | 05-DEC-2010 06:58:28 | Twilight   | 31.000 | 72  | 34Del Ori | 2.2500   | 30000. | 62  | 45825 | No  |
| 73  | GOM_NL__2PRFIN20101205_070047_000000473097_00121_45825_0408.N1 | 05-DEC-2010 07:00:47 | Twilight   | 47.000 | 27  | 24Gam Ori | 1.6360   | 26000. | 94  | 45825 | No  |
| 74  | GOM_NL__2PRFIN20101205_070313_000000603097_00121_45825_0409.N1 | 05-DEC-2010 07:03:13 | Bright     | 60.000 | 13  | 87Alp Tau | 0.86700  | 3800.0 | 120 | 45825 | No  |
| 75  | GOM_NL__2PRFIN20101205_070500_000000383097_00121_45825_0410.N1 | 05-DEC-2010 07:05:00 | Bright     | 37.500 | 146 | 25Eta Tau | 2.8730   | 15200. | 75  | 45825 | No  |
| 76  | GOM_NL__2PRFIN20101205_070718_000000383097_00121_45825_0411.N1 | 05-DEC-2010 07:07:18 | Bright     | 38.000 | 150 | 44Zet Per | 2.8900   | 28000. | 76  | 45825 | No  |
| 77  | GOM_NL__2PRFIN20101205_070849_000000453097_00121_45825_0412.N1 | 05-DEC-2010 07:08:49 | Bright     | 45.000 | 114 | 3lot Aur  | 2.6930   | 4600.0 | 90  | 45825 | No  |
| 78  | GOM_NL__2PRFIN20101205_071146_000000373097_00121_45825_0413.N1 | 05-DEC-2010 07:11:46 | Bright     | 36.500 | 175 | 39Del Per | 3.0100   | 19400. | 73  | 45825 | No  |
| 79  | GOM_NL__2PRFIN20101205_071308_000000483097_00121_45825_0414.N1 | 05-DEC-2010 07:13:08 | Bright     | 48.000 | 6   | 13Alp Aur | 0.080000 | 3400.0 | 96  | 45825 | No  |
| 80  | GOM_NL__2PRFIN20101205_072931_000000463097_00121_45825_0415.N1 | 05-DEC-2010 07:29:31 | Bright     | 46.000 | 36  | 50Alp UMa | 1.8000   | 6300.0 | 92  | 45825 | No  |
| 81  | GOM_NL__2PRFIN20101205_073105_000000463097_00121_45825_0416.N1 | 05-DEC-2010 07:31:05 | Bright     | 46.000 | 82  | 48Bet UMa | 2.3650   | 10600. | 92  | 45825 | No  |
| 82  | GOM_NL__2PRFIN20101205_073301_000000413097_00121_45825_0417.N1 | 05-DEC-2010 07:33:01 | Bright     | 40.500 | 32  | 77Eps UMa | 1.7630   | 11000. | 81  | 45825 | No  |
| 83  | GOM_NL__2PRFIN20101205_073513_000000383097_00121_45825_0418.N1 | 05-DEC-2010 07:35:13 | Bright     | 38.000 | 39  | 85Eta UMa | 1.8540   | 24000. | 76  | 45825 | No  |
| 84  | GOM_NL__2PRFIN20101205_073842_000000403097_00121_45825_0419.N1 | 05-DEC-2010 07:38:42 | Bright     | 39.500 | 152 | 12Alp2CVn | 2.8900   | 11000. | 79  | 45825 | No  |
| 85  | GOM_NL__2PRFIN20101205_074418_000000373097_00121_45825_0420.N1 | 05-DEC-2010 07:44:18 | Bright     | 36.500 | 111 | 8Eta Boo  | 2.6800   | 6000.0 | 73  | 45825 | No  |
| 86  | GOM_NL__2PRFIN20101205_074734_000000453097_00121_45825_0421.N1 | 05-DEC-2010 07:47:34 | Bright     | 45.000 | 138 | 47Eps Vir | 2.8280   | 4700.0 | 90  | 45825 | No  |
| 87  | GOM_NL__2PRFIN20101205_075206_000000483097_00121_45825_0422.N1 | 05-DEC-2010 07:52:06 | Bright     | 47.500 | 121 | 29Gam Vir | 2.7400   | 7200.0 | 95  | 45825 | No  |
| 88  | GOM_NL__2PRFIN20101205_075759_000000483097_00121_45825_0423.N1 | 05-DEC-2010 07:57:59 | Dark       | 48.000 | 100 | 4Gam Crv  | 2.5800   | 13100. | 96  | 45825 | No  |
| 89  | GOM_NL__2PRFIN20101205_075935_000000523097_00121_45825_0424.N1 | 05-DEC-2010 07:59:35 | Dark       | 52.000 | 171 | 2Eps Crv  | 3.0010   | 4250.0 | 104 | 45825 | No  |
| 90  | GOM_NL__2PRFIN20101205_080857_000000463097_00122_45826_0482.N1 | 05-DEC-2010 08:08:57 | Dark       | 46.000 | 113 | Mu Vel    | 2.6920   | 5000.0 | 92  | 45826 | No  |
| 91  | GOM_NL__2PRFIN20101205_081736_000000513097_00122_45826_0483.N1 | 05-DEC-2010 08:17:36 | Dark       | 50.500 | 34  | Gam2Vel   | 1.7930   | 23000. | 101 | 45826 | No  |
| 92  | GOM_NL__2PRFIN20101205_082036_000000473097_00122_45826_0484.N1 | 05-DEC-2010 08:20:36 | Dark       | 47.000 | 2   | Alp Car   | -0.73600 | 7000.0 | 94  | 45826 | No  |
| 93  | GOM_NL__2PRFIN20101205_082244_000000593097_00122_45826_0485.N1 | 05-DEC-2010 08:22:44 | Dark       | 58.500 | 117 | Pi Pup    | 2.7060   | 3800.0 | 117 | 45826 | No  |
| 94  | GOM_NL__2PRFIN20101205_082653_000000453097_00122_45826_0486.N1 | 05-DEC-2010 08:26:53 | Dark       | 44.500 | 108 | Alp Col   | 2.6520   | 15200. | 89  | 45826 | No  |
| 95  | GOM_NL__2PRFIN20101205_083219_000000493097_00122_45826_0487.N1 | 05-DEC-2010 08:32:19 | Straylight | 48.500 | 101 | 11Alp Lep | 2.5820   | 7000.0 | 97  | 45826 | No  |
| 96  | GOM_NL__2PRFIN20101205_083543_000000613097_00122_45826_0488.N1 | 05-DEC-2010 08:35:43 | Straylight | 61.000 | 7   | 19Bet Ori | 0.10000  | 14000. | 122 | 45826 | No  |
| 97  | GOM_NL__2PRFIN20101205_083842_000000383097_00122_45826_0489.N1 | 05-DEC-2010 08:38:42 | Twilight   | 38.000 | 72  | 34Del Ori | 2.2500   | 30000. | 76  | 45826 | No  |
| 98  | GOM_NL__2PRFIN20101205_084101_000000543097_00122_45826_0490.N1 | 05-DEC-2010 08:41:01 | Twilight   | 54.000 | 27  | 24Gam Ori | 1.6360   | 26000. | 108 | 45826 | No  |
| 99  | GOM_NL__2PRFIN20101205_084327_000000603097_00122_45826_0491.N1 | 05-DEC-2010 08:43:27 | Bright     | 60.000 | 13  | 87Alp Tau | 0.86700  | 3800.0 | 120 | 45826 | No  |
| 100 | GOM_NL__2PRFIN20101205_084514_000000383097_00122_45826_0492.N1 | 05-DEC-2010 08:45:14 | Bright     | 37.500 | 146 | 25Eta Tau | 2.8730   | 15200. | 75  | 45826 | No  |
| 101 | GOM_NL__2PRFIN20101205_084732_000000383097_00122_45826_0493.N1 | 05-DEC-2010 08:47:32 | Bright     | 37.500 | 150 | 44Zet Per | 2.8900   | 28000. | 75  | 45826 | No  |

|     |  |                      |                |        |     |           |          |        |     |       |    |
|-----|--|----------------------|----------------|--------|-----|-----------|----------|--------|-----|-------|----|
| 102 | GOM_NL__2PRFIN20101205_084903_000000443097_00122_45826_0494.N1 | 05-DEC-2010 08:49:03 | Bright         | 43.500 | 114 | 3lot Aur  | 2.6930   | 4600.0 | 87  | 45826 | No |
| 103 | GOM_NL__2PRFIN20101205_085159_000000363097_00122_45826_0495.N1 | 05-DEC-2010 08:51:59 | Bright         | 36.000 | 175 | 39Del Per | 3.0100   | 19400. | 72  | 45826 | No |
| 104 | GOM_NL__2PRFIN20101205_085321_000000463097_00122_45826_0496.N1 | 05-DEC-2010 08:53:21 | Bright         | 46.000 | 6   | 13Alp Aur | 0.080000 | 3400.0 | 92  | 45826 | No |
| 105 | GOM_NL__2PRFIN20101205_090945_000000453097_00122_45826_0497.N1 | 05-DEC-2010 09:09:45 | Bright         | 45.000 | 36  | 50Alp UMa | 1.8000   | 6300.0 | 90  | 45826 | No |
| 106 | GOM_NL__2PRFIN20101205_091118_000000463097_00122_45826_0498.N1 | 05-DEC-2010 09:11:18 | Bright         | 46.000 | 82  | 48Bet UMa | 2.3650   | 10600. | 92  | 45826 | No |
| 107 | GOM_NL__2PRFIN20101205_091315_000000403097_00122_45826_0499.N1 | 05-DEC-2010 09:13:15 | Bright         | 39.500 | 32  | 77Eps UMa | 1.7630   | 11000. | 79  | 45826 | No |
| 108 | GOM_NL__2PRFIN20101205_091527_000000363097_00122_45826_0500.N1 | 05-DEC-2010 09:15:27 | Bright         | 36.000 | 39  | 85Eta UMa | 1.8540   | 24000. | 72  | 45826 | No |
| 109 | GOM_NL__2PRFIN20101205_091856_000000403097_00122_45826_0501.N1 | 05-DEC-2010 09:18:56 | Bright         | 39.500 | 152 | 12Alp2CVn | 2.8900   | 11000. | 79  | 45826 | No |
| 110 | GOM_NL__2PRFIN20101205_092433_000000523097_00122_45826_0502.N1 | 05-DEC-2010 09:24:33 | Bright         | 52.000 | 111 | 8Eta Boo  | 2.6800   | 6000.0 | 104 | 45826 | No |
| 111 | GOM_NL__2PRFIN20101205_092748_000000453097_00122_45826_0503.N1 | 05-DEC-2010 09:27:48 | Bright         | 44.500 | 138 | 47Eps Vir | 2.8280   | 4700.0 | 89  | 45826 | No |
| 112 | GOM_NL__2PRFIN20101205_093221_000000463097_00122_45826_0504.N1 | 05-DEC-2010 09:32:21 | Bright         | 46.000 | 121 | 29Gam Vir | 2.7400   | 7200.0 | 92  | 45826 | No |
| 113 | GOM_NL__2PRFIN20101205_093814_000000493097_00122_45826_0505.N1 | 05-DEC-2010 09:38:14 | Dark           | 48.500 | 100 | 4Gam Crv  | 2.5800   | 13100. | 97  | 45826 | No |
| 114 | GOM_NL__2PRFIN20101205_093950_000000523097_00122_45826_0506.N1 | 05-DEC-2010 09:39:50 | Dark           | 51.500 | 171 | 2Eps Crv  | 3.0010   | 4250.0 | 103 | 45826 | No |
| 115 | GOM_NL__2PRFIN20101205_094912_000000453097_00123_45827_0487.N1 | 05-DEC-2010 09:49:12 | Dark           | 44.500 | 113 | Mu Vel    | 2.6920   | 5000.0 | 89  | 45827 | No |
| 116 | GOM_NL__2PRFIN20101205_095751_000000513097_00123_45827_0488.N1 | 05-DEC-2010 09:57:51 | Dark           | 50.500 | 34  | Gam2Vel   | 1.7930   | 23000. | 101 | 45827 | No |
| 117 | GOM_NL__2PRFIN20101205_100050_000000463097_00123_45827_0489.N1 | 05-DEC-2010 10:00:50 | Dark           | 45.500 | 2   | Alp Car   | -0.73600 | 7000.0 | 91  | 45827 | No |
| 118 | GOM_NL__2PRFIN20101205_100259_000000543097_00123_45827_0490.N1 | 05-DEC-2010 10:02:59 | Dark           | 54.000 | 117 | Pi Pup    | 2.7060   | 3800.0 | 108 | 45827 | No |
| 119 | GOM_NL__2PRFIN20101205_100707_000000453097_00123_45827_0491.N1 | 05-DEC-2010 10:07:07 | Dark           | 44.500 | 108 | Alp Col   | 2.6520   | 15200. | 89  | 45827 | No |
| 120 | GOM_NL__2PRFIN20101205_101233_000000533097_00123_45827_0492.N1 | 05-DEC-2010 10:12:33 | Straylight     | 53.000 | 101 | 11Alp Lep | 2.5820   | 7000.0 | 106 | 45827 | No |
| 121 | GOM_NL__2PRFIN20101205_101557_000000643097_00123_45827_0493.N1 | 05-DEC-2010 10:15:57 | Straylight     | 64.000 | 7   | 19Bet Ori | 0.10000  | 14000. | 128 | 45827 | No |
| 122 | GOM_NL__2PRFIN20101205_101856_000000383097_00123_45827_0494.N1 | 05-DEC-2010 10:18:56 | Tw_i_and_stray | 38.000 | 72  | 34Del Ori | 2.2500   | 30000. | 76  | 45827 | No |
| 123 | GOM_NL__2PRFIN20101205_102114_000000543097_00123_45827_0495.N1 | 05-DEC-2010 10:21:14 | Tw_i_and_stray | 54.000 | 27  | 24Gam Ori | 1.6360   | 26000. | 108 | 45827 | No |
| 124 | GOM_NL__2PRFIN20101205_102341_000000563097_00123_45827_0496.N1 | 05-DEC-2010 10:23:41 | Bright         | 55.500 | 13  | 87Alp Tau | 0.86700  | 3800.0 | 111 | 45827 | No |
| 125 | GOM_NL__2PRFIN20101205_102528_000000543097_00123_45827_0497.N1 | 05-DEC-2010 10:25:28 | Bright         | 54.000 | 146 | 25Eta Tau | 2.8730   | 15200. | 108 | 45827 | No |
| 126 | GOM_NL__2PRFIN20101205_102746_000000383097_00123_45827_0498.N1 | 05-DEC-2010 10:27:46 | Bright         | 37.500 | 150 | 44Zet Per | 2.8900   | 28000. | 75  | 45827 | No |
| 127 | GOM_NL__2PRFIN20101205_102917_000000453097_00123_45827_0499.N1 | 05-DEC-2010 10:29:17 | Bright         | 44.500 | 114 | 3lot Aur  | 2.6930   | 4600.0 | 89  | 45827 | No |
| 128 | GOM_NL__2PRFIN20101205_103213_000000363097_00123_45827_0500.N1 | 05-DEC-2010 10:32:13 | Bright         | 35.500 | 175 | 39Del Per | 3.0100   | 19400. | 71  | 45827 | No |
| 129 | GOM_NL__2PRFIN20101205_103334_000000483097_00123_45827_0501.N1 | 05-DEC-2010 10:33:34 | Bright         | 48.000 | 6   | 13Alp Aur | 0.080000 | 3400.0 | 96  | 45827 | No |
| 130 | GOM_NL__2PRFIN20101205_104959_000000653097_00123_45827_0502.N1 | 05-DEC-2010 10:49:59 | Bright         | 65.000 | 36  | 50Alp UMa | 1.8000   | 6300.0 | 130 | 45827 | No |
| 131 | GOM_NL__2PRFIN20101205_105132_000000463097_00123_45827_0503.N1 | 05-DEC-2010 10:51:32 | Bright         | 46.000 | 82  | 48Bet UMa | 2.3650   | 10600. | 92  | 45827 | No |
| 132 | GOM_NL__2PRFIN20101205_105328_000000413097_00123_45827_0504.N1 | 05-DEC-2010 10:53:28 | Bright         | 40.500 | 32  | 77Eps UMa | 1.7630   | 11000. | 81  | 45827 | No |
| 133 | GOM_NL__2PRFIN20101205_105541_000000393097_00123_45827_0505.N1 | 05-DEC-2010 10:55:41 | Bright         | 39.000 | 39  | 85Eta UMa | 1.8540   | 24000. | 78  | 45827 | No |
| 134 | GOM_NL__2PRFIN20101205_105910_000000433097_00123_45827_0506.N1 | 05-DEC-2010 10:59:10 | Bright         | 43.000 | 152 | 12Alp2CVn | 2.8900   | 11000. | 86  | 45827 | No |
| 135 | GOM_NL__2PRFIN20101205_110447_000000373097_00123_45827_0507.N1 | 05-DEC-2010 11:04:47 | Bright         | 36.500 | 111 | 8Eta Boo  | 2.6800   | 6000.0 | 73  | 45827 | No |
| 136 | GOM_NL__2PRFIN20101205_110802_000000433097_00123_45827_0508.N1 | 05-DEC-2010 11:08:02 | Bright         | 42.500 | 138 | 47Eps Vir | 2.8280   | 4700.0 | 85  | 45827 | No |
| 137 | GOM_NL__2PRFIN20101205_111236_000000493097_00123_45827_0509.N1 | 05-DEC-2010 11:12:36 | Bright         | 49.000 | 121 | 29Gam Vir | 2.7400   | 7200.0 | 98  | 45827 | No |
| 138 | GOM_NL__2PRFIN20101205_111829_000000523097_00123_45827_0510.N1 | 05-DEC-2010 11:18:29 | Dark           | 51.500 | 100 | 4Gam Crv  | 2.5800   | 13100. | 103 | 45827 | No |
| 139 | GOM_NL__2PRFIN20101205_112005_000000503097_00123_45827_0511.N1 | 05-DEC-2010 11:20:05 | Dark           | 50.000 | 171 | 2Eps Crv  | 3.0010   | 4250.0 | 100 | 45827 | No |
| 140 | GOM_NL__2PRFIN20101205_112927_000000463097_00124_45828_0517.N1 | 05-DEC-2010 11:29:27 | Dark           | 45.500 | 113 | Mu Vel    | 2.6920   | 5000.0 | 91  | 45828 | No |
| 141 | GOM_NL__2PRFIN20101205_113805_000000483097_00124_45828_0518.N1 | 05-DEC-2010 11:38:05 | Dark           | 48.000 | 34  | Gam2Vel   | 1.7930   | 23000. | 96  | 45828 | No |
| 142 | GOM_NL__2PRFIN20101205_114105_000000493097_00124_45828_0519.N1 | 05-DEC-2010 11:41:05 | Dark           | 49.000 | 2   | Alp Car   | -0.73600 | 7000.0 | 98  | 45828 | No |
| 143 | GOM_NL__2PRFIN20101205_114314_000000593097_00124_45828_0520.N1 | 05-DEC-2010 11:43:14 | Dark           | 59.000 | 117 | Pi Pup    | 2.7060   | 3800.0 | 118 | 45828 | No |
| 144 | GOM_NL__2PRFIN20101205_114722_000000443097_00124_45828_0521.N1 | 05-DEC-2010 11:47:22 | Dark           | 44.000 | 108 | Alp Col   | 2.6520   | 15200. | 88  | 45828 | No |
| 145 | GOM_NL__2PRFIN20101205_115248_000000523097_00124_45828_0522.N1 | 05-DEC-2010 11:52:48 | Straylight     | 52.000 | 101 | 11Alp Lep | 2.5820   | 7000.0 | 104 | 45828 | No |
| 146 | GOM_NL__2PRFIN20101205_115611_000000583097_00124_45828_0523.N1 | 05-DEC-2010 11:56:11 | Straylight     | 58.000 | 7   | 19Bet Ori | 0.10000  | 14000. | 116 | 45828 | No |
| 147 | GOM_NL__2PRFIN20101205_115910_000000453097_00124_45828_0524.N1 | 05-DEC-2010 11:59:10 | Tw_i_and_stray | 45.000 | 72  | 34Del Ori | 2.2500   | 30000. | 90  | 45828 | No |
| 148 | GOM_NL__2PRFIN20101205_120128_000000583097_00124_45828_0525.N1 | 05-DEC-2010 12:01:28 | Tw_i_and_stray | 57.500 | 27  | 24Gam Ori | 1.6360   | 26000. | 115 | 45828 | No |
| 149 | GOM_NL__2PRFIN20101205_120354_000000553097_00124_45828_0526.N1 | 05-DEC-2010 12:03:54 | Bright         | 55.000 | 13  | 87Alp Tau | 0.86700  | 3800.0 | 110 | 45828 | No |
| 150 | GOM_NL__2PRFIN20101205_120542_000000343097_00124_45828_0527.N1 | 05-DEC-2010 12:05:42 | Bright         | 34.000 | 146 | 25Eta Tau | 2.8730   | 15200. | 68  | 45828 | No |
| 151 | GOM_NL__2PRFIN20101205_120759_000000383097_00124_45828_0528.N1 | 05-DEC-2010 12:07:59 | Bright         | 38.000 | 150 | 44Zet Per | 2.8900   | 28000. | 76  | 45828 | No |
| 152 | GOM_NL__2PRFIN20101205_120930_000000443097_00124_45828_0529.N1 | 05-DEC-2010 12:09:30 | Bright         | 43.500 | 114 | 3lot Aur  | 2.6930   | 4600.0 | 87  | 45828 | No |
| 153 | GOM_NL__2PRFIN20101205_121227_000000363097_00124_45828_0530.N1 | 05-DEC-2010 12:12:27 | Bright         | 36.000 | 175 | 39Del Per | 3.0100   | 19400. | 72  | 45828 | No |
| 154 | GOM_NL__2PRFIN20101205_121348_000000453097_00124_45828_0531.N1 | 05-DEC-2010 12:13:48 | Bright         | 45.000 | 6   | 13Alp Aur | 0.080000 | 3400.0 | 90  | 45828 | No |
| 155 | GOM_NL__2PRFIN20101205_123012_000000413097_00124_45828_0532.N1 | 05-DEC-2010 12:30:12 | Bright         | 41.000 | 36  | 50Alp UMa | 1.8000   | 6300.0 | 82  | 45828 | No |
| 156 | GOM_NL__2PRFIN20101205_123146_000000473097_00124_45828_0533.N1 | 05-DEC-2010 12:31:46 | Bright         | 47.000 | 82  | 48Bet UMa | 2.3650   | 10600. | 94  | 45828 | No |
| 157 | GOM_NL__2PRFIN20101205_123342_000000413097_00124_45828_0534.N1 | 05-DEC-2010 12:33:42 | Bright         | 40.500 | 32  | 77Eps UMa | 1.7630   | 11000. | 81  | 45828 | No |
| 158 | GOM_NL__2PRFIN20101205_123555_000000373097_00124_45828_0535.N1 | 05-DEC-2010 12:35:55 | Bright         | 37.000 | 39  | 85Eta UMa | 1.8540   | 24000. | 74  | 45828 | No |
| 159 | GOM_NL__2PRFIN20101205_123924_000000403097_00124_45828_0536.N1 | 05-DEC-2010 12:39:24 | Bright         | 39.500 | 152 | 12Alp2CVn | 2.8900   | 11000. | 79  | 45828 | No |
| 160 | GOM_NL__2PRFIN20101205_124501_000000373097_00124_45828_0537.N1 | 05-DEC-2010 12:45:01 | Bright         | 37.000 | 111 | 8Eta Boo  | 2.6800   | 6000.0 | 74  | 45828 | No |

|     |  |                      |                |        |     |           |          |        |     |       |    |
|-----|--|----------------------|----------------|--------|-----|-----------|----------|--------|-----|-------|----|
| 161 | GOM_NL__2PRFIN20101205_124817_000000623097_00124_45828_0538.N1 | 05-DEC-2010 12:48:17 | Bright         | 62.000 | 138 | 47Eps Vir | 2.8280   | 4700.0 | 124 | 45828 | No |
| 162 | GOM_NL__2PRFIN20101205_125250_000000543097_00124_45828_0539.N1 | 05-DEC-2010 12:52:50 | Bright         | 53.500 | 121 | 29Gam Vir | 2.7400   | 7200.0 | 107 | 45828 | No |
| 163 | GOM_NL__2PRFIN20101205_125844_000000493097_00124_45828_0540.N1 | 05-DEC-2010 12:58:44 | Dark           | 48.500 | 100 | 4Gam Crv  | 2.5800   | 13100. | 97  | 45828 | No |
| 164 | GOM_NL__2PRFIN20101205_130020_000000533097_00124_45828_0541.N1 | 05-DEC-2010 13:00:20 | Dark           | 53.000 | 171 | 2Eps Crv  | 3.0010   | 4250.0 | 106 | 45828 | No |
| 165 | GOM_NL__2PRFIN20101205_130942_000000443097_00125_45829_0549.N1 | 05-DEC-2010 13:09:42 | Dark           | 44.000 | 113 | Mu Vel    | 2.6920   | 5000.0 | 88  | 45829 | No |
| 166 | GOM_NL__2PRFIN20101205_131820_000000483097_00125_45829_0550.N1 | 05-DEC-2010 13:18:20 | Dark           | 47.500 | 34  | Gam2Vel   | 1.7930   | 23000. | 95  | 45829 | No |
| 167 | GOM_NL__2PRFIN20101205_132119_000000583097_00125_45829_0551.N1 | 05-DEC-2010 13:21:19 | Dark           | 58.000 | 2   | Alp Car   | -0.73600 | 7000.0 | 116 | 45829 | No |
| 168 | GOM_NL__2PRFIN20101205_132328_000000593097_00125_45829_0552.N1 | 05-DEC-2010 13:23:28 | Dark           | 59.000 | 117 | Pi Pup    | 2.7060   | 3800.0 | 118 | 45829 | No |
| 169 | GOM_NL__2PRFIN20101205_132736_000000433097_00125_45829_0553.N1 | 05-DEC-2010 13:27:36 | Dark           | 43.000 | 108 | Alp Col   | 2.6520   | 15200. | 86  | 45829 | No |
| 170 | GOM_NL__2PRFIN20101205_133301_000000513097_00125_45829_0554.N1 | 05-DEC-2010 13:33:01 | Straylight     | 51.000 | 101 | 11Alp Lep | 2.5820   | 7000.0 | 102 | 45829 | No |
| 171 | GOM_NL__2PRFIN20101205_133625_000000563097_00125_45829_0555.N1 | 05-DEC-2010 13:36:25 | Straylight     | 55.500 | 7   | 19Bet Ori | 0.10000  | 14000. | 111 | 45829 | No |
| 172 | GOM_NL__2PRFIN20101205_133923_000000453097_00125_45829_0556.N1 | 05-DEC-2010 13:39:23 | Tw_i_and_stray | 45.000 | 72  | 34Del Ori | 2.2500   | 30000. | 90  | 45829 | No |
| 173 | GOM_NL__2PRFIN20101205_134142_000000583097_00125_45829_0557.N1 | 05-DEC-2010 13:41:42 | Tw_i_and_stray | 58.000 | 27  | 24Gam Ori | 1.6360   | 26000. | 116 | 45829 | No |
| 174 | GOM_NL__2PRFIN20101205_134408_000000603097_00125_45829_0558.N1 | 05-DEC-2010 13:44:08 | Bright         | 60.000 | 13  | 87Alp Tau | 0.86700  | 3800.0 | 120 | 45829 | No |
| 175 | GOM_NL__2PRFIN20101205_134556_000000383097_00125_45829_0559.N1 | 05-DEC-2010 13:45:56 | Bright         | 37.500 | 146 | 25Eta Tau | 2.8730   | 15200. | 75  | 45829 | No |
| 176 | GOM_NL__2PRFIN20101205_134813_000000383097_00125_45829_0560.N1 | 05-DEC-2010 13:48:13 | Bright         | 37.500 | 150 | 44Zet Per | 2.8900   | 28000. | 75  | 45829 | No |
| 177 | GOM_NL__2PRFIN20101205_134943_000000453097_00125_45829_0561.N1 | 05-DEC-2010 13:49:43 | Bright         | 44.500 | 114 | 3lot Aur  | 2.6930   | 4600.0 | 89  | 45829 | No |
| 178 | GOM_NL__2PRFIN20101205_135241_000000363097_00125_45829_0562.N1 | 05-DEC-2010 13:52:41 | Bright         | 36.000 | 175 | 39Del Per | 3.0100   | 19400. | 72  | 45829 | No |
| 179 | GOM_NL__2PRFIN20101205_135401_000000483097_00125_45829_0563.N1 | 05-DEC-2010 13:54:01 | Bright         | 47.500 | 6   | 13Alp Aur | 0.080000 | 3400.0 | 95  | 45829 | No |
| 180 | GOM_NL__2PRFIN20101205_141026_000000463097_00125_45829_0564.N1 | 05-DEC-2010 14:10:26 | Bright         | 46.000 | 36  | 50Alp UMa | 1.8000   | 6300.0 | 92  | 45829 | No |
| 181 | GOM_NL__2PRFIN20101205_141159_000000473097_00125_45829_0565.N1 | 05-DEC-2010 14:11:59 | Bright         | 47.000 | 82  | 48Bet UMa | 2.3650   | 10600. | 94  | 45829 | No |
| 182 | GOM_NL__2PRFIN20101205_141356_000000403097_00125_45829_0566.N1 | 05-DEC-2010 14:13:56 | Bright         | 39.500 | 32  | 77Eps UMa | 1.7630   | 11000. | 79  | 45829 | No |
| 183 | GOM_NL__2PRFIN20101205_141609_000000553097_00125_45829_0567.N1 | 05-DEC-2010 14:16:09 | Bright         | 55.000 | 39  | 85Eta UMa | 1.8540   | 24000. | 110 | 45829 | No |
| 184 | GOM_NL__2PRFIN20101205_141938_000000423097_00125_45829_0568.N1 | 05-DEC-2010 14:19:38 | Bright         | 42.000 | 152 | 12Alp2CVn | 2.8900   | 11000. | 84  | 45829 | No |
| 185 | GOM_NL__2PRFIN20101205_142515_000000363097_00125_45829_0569.N1 | 05-DEC-2010 14:25:15 | Bright         | 36.000 | 111 | 8Eta Boo  | 2.6800   | 6000.0 | 72  | 45829 | No |
| 186 | GOM_NL__2PRFIN20101205_142831_000000623097_00125_45829_0570.N1 | 05-DEC-2010 14:28:31 | Bright         | 62.000 | 138 | 47Eps Vir | 2.8280   | 4700.0 | 124 | 45829 | No |
| 187 | GOM_NL__2PRFIN20101205_143305_000000553097_00125_45829_0571.N1 | 05-DEC-2010 14:33:05 | Bright         | 55.000 | 121 | 29Gam Vir | 2.7400   | 7200.0 | 110 | 45829 | No |
| 188 | GOM_NL__2PRFIN20101205_143859_000000513097_00125_45829_0572.N1 | 05-DEC-2010 14:38:59 | Dark           | 50.500 | 100 | 4Gam Crv  | 2.5800   | 13100. | 101 | 45829 | No |
| 189 | GOM_NL__2PRFIN20101205_144035_000000513097_00125_45829_0573.N1 | 05-DEC-2010 14:40:35 | Dark           | 51.000 | 171 | 2Eps Crv  | 3.0010   | 4250.0 | 102 | 45829 | No |
| 190 | GOM_NL__2PRFIN20101205_144957_000000453097_00126_45830_0587.N1 | 05-DEC-2010 14:49:57 | Dark           | 44.500 | 113 | Mu Vel    | 2.6920   | 5000.0 | 89  | 45830 | No |
| 191 | GOM_NL__2PRFIN20101205_145835_000000493097_00126_45830_0588.N1 | 05-DEC-2010 14:58:35 | Dark           | 48.500 | 34  | Gam2Vel   | 1.7930   | 23000. | 97  | 45830 | No |
| 192 | GOM_NL__2PRFIN20101205_150134_000000553097_00126_45830_0589.N1 | 05-DEC-2010 15:01:34 | Dark           | 55.000 | 2   | Alp Car   | -0.73600 | 7000.0 | 110 | 45830 | No |
| 193 | GOM_NL__2PRFIN20101205_150343_000000633097_00126_45830_0590.N1 | 05-DEC-2010 15:03:43 | Dark           | 63.000 | 117 | Pi Pup    | 2.7060   | 3800.0 | 126 | 45830 | No |
| 194 | GOM_NL__2PRFIN20101205_150750_000000433097_00126_45830_0591.N1 | 05-DEC-2010 15:07:50 | Dark           | 42.500 | 108 | Alp Col   | 2.6520   | 15200. | 85  | 45830 | No |
| 195 | GOM_NL__2PRFIN20101205_151316_000000533097_00126_45830_0592.N1 | 05-DEC-2010 15:13:16 | Straylight     | 53.000 | 101 | 11Alp Lep | 2.5820   | 7000.0 | 106 | 45830 | No |
| 196 | GOM_NL__2PRFIN20101205_151639_000000643097_00126_45830_0593.N1 | 05-DEC-2010 15:16:39 | Straylight     | 64.000 | 7   | 19Bet Ori | 0.10000  | 14000. | 128 | 45830 | No |
| 197 | GOM_NL__2PRFIN20101205_151937_000000523097_00126_45830_0594.N1 | 05-DEC-2010 15:19:37 | Tw_i_and_stray | 52.000 | 72  | 34Del Ori | 2.2500   | 30000. | 104 | 45830 | No |
| 198 | GOM_NL__2PRFIN20101205_152155_000000583097_00126_45830_0595.N1 | 05-DEC-2010 15:21:55 | Tw_i_and_stray | 58.000 | 27  | 24Gam Ori | 1.6360   | 26000. | 116 | 45830 | No |
| 199 | GOM_NL__2PRFIN20101205_152422_000000593097_00126_45830_0596.N1 | 05-DEC-2010 15:24:22 | Bright         | 58.500 | 13  | 87Alp Tau | 0.86700  | 3800.0 | 117 | 45830 | No |
| 200 | GOM_NL__2PRFIN20101205_152610_000000383097_00126_45830_0597.N1 | 05-DEC-2010 15:26:10 | Bright         | 37.500 | 146 | 25Eta Tau | 2.8730   | 15200. | 75  | 45830 | No |
| 201 | GOM_NL__2PRFIN20101205_152827_000000393097_00126_45830_0598.N1 | 05-DEC-2010 15:28:27 | Bright         | 38.500 | 150 | 44Zet Per | 2.8900   | 28000. | 77  | 45830 | No |
| 202 | GOM_NL__2PRFIN20101205_152957_000000453097_00126_45830_0599.N1 | 05-DEC-2010 15:29:57 | Bright         | 44.500 | 114 | 3lot Aur  | 2.6930   | 4600.0 | 89  | 45830 | No |
| 203 | GOM_NL__2PRFIN20101205_155039_000000473097_00126_45830_0600.N1 | 05-DEC-2010 15:50:39 | Bright         | 47.000 | 36  | 50Alp UMa | 1.8000   | 6300.0 | 94  | 45830 | No |
| 204 | GOM_NL__2PRFIN20101205_155213_000000493097_00126_45830_0601.N1 | 05-DEC-2010 15:52:13 | Bright         | 48.500 | 82  | 48Bet UMa | 2.3650   | 10600. | 97  | 45830 | No |
| 205 | GOM_NL__2PRFIN20101205_155410_000000413097_00126_45830_0602.N1 | 05-DEC-2010 15:54:10 | Bright         | 40.500 | 32  | 77Eps UMa | 1.7630   | 11000. | 81  | 45830 | No |
| 206 | GOM_NL__2PRFIN20101205_155623_000000373097_00126_45830_0603.N1 | 05-DEC-2010 15:56:23 | Bright         | 37.000 | 39  | 85Eta UMa | 1.8540   | 24000. | 74  | 45830 | No |
| 207 | GOM_NL__2PRFIN20101205_155952_000000413097_00126_45830_0604.N1 | 05-DEC-2010 15:59:52 | Bright         | 41.000 | 152 | 12Alp2CVn | 2.8900   | 11000. | 82  | 45830 | No |
| 208 | GOM_NL__2PRFIN20101205_160530_000000373097_00126_45830_0605.N1 | 05-DEC-2010 16:05:30 | Bright         | 37.000 | 111 | 8Eta Boo  | 2.6800   | 6000.0 | 74  | 45830 | No |
| 209 | GOM_NL__2PRFIN20101205_160846_000000503097_00126_45830_0606.N1 | 05-DEC-2010 16:08:46 | Bright         | 49.500 | 138 | 47Eps Vir | 2.8280   | 4700.0 | 99  | 45830 | No |
| 210 | GOM_NL__2PRFIN20101205_161320_000000543097_00126_45830_0607.N1 | 05-DEC-2010 16:13:20 | Bright         | 54.000 | 121 | 29Gam Vir | 2.7400   | 7200.0 | 108 | 45830 | No |
| 211 | GOM_NL__2PRFIN20101205_161914_000000513097_00126_45830_0608.N1 | 05-DEC-2010 16:19:14 | Dark           | 50.500 | 100 | 4Gam Crv  | 2.5800   | 13100. | 101 | 45830 | No |
| 212 | GOM_NL__2PRFIN20101205_162050_000000523097_00126_45830_0609.N1 | 05-DEC-2010 16:20:50 | Dark           | 52.000 | 171 | 2Eps Crv  | 3.0010   | 4250.0 | 104 | 45830 | No |
| 213 | GOM_NL__2PRFIN20101205_163012_000000443097_00127_45831_0618.N1 | 05-DEC-2010 16:30:12 | Dark           | 44.000 | 113 | Mu Vel    | 2.6920   | 5000.0 | 88  | 45831 | No |
| 214 | GOM_NL__2PRFIN20101205_163850_000000503097_00127_45831_0619.N1 | 05-DEC-2010 16:38:50 | Dark           | 50.000 | 34  | Gam2Vel   | 1.7930   | 23000. | 100 | 45831 | No |
| 215 | GOM_NL__2PRFIN20101205_164148_000000513097_00127_45831_0620.N1 | 05-DEC-2010 16:41:48 | Dark           | 51.000 | 2   | Alp Car   | -0.73600 | 7000.0 | 102 | 45831 | No |
| 216 | GOM_NL__2PRFIN20101205_164358_000000573097_00127_45831_0621.N1 | 05-DEC-2010 16:43:58 | Dark           | 57.000 | 117 | Pi Pup    | 2.7060   | 3800.0 | 114 | 45831 | No |
| 217 | GOM_NL__2PRFIN20101205_164805_000000453097_00127_45831_0622.N1 | 05-DEC-2010 16:48:05 | Dark           | 45.000 | 108 | Alp Col   | 2.6520   | 15200. | 90  | 45831 | No |
| 218 | GOM_NL__2PRFIN20101205_165330_000000543097_00127_45831_0623.N1 | 05-DEC-2010 16:53:30 | Straylight     | 53.500 | 101 | 11Alp Lep | 2.5820   | 7000.0 | 107 | 45831 | No |
| 219 | GOM_NL__2PRFIN20101205_165653_000000593097_00127_45831_0624.N1 | 05-DEC-2010 16:56:53 | Straylight     | 58.500 | 7   | 19Bet Ori | 0.10000  | 14000. | 117 | 45831 | No |

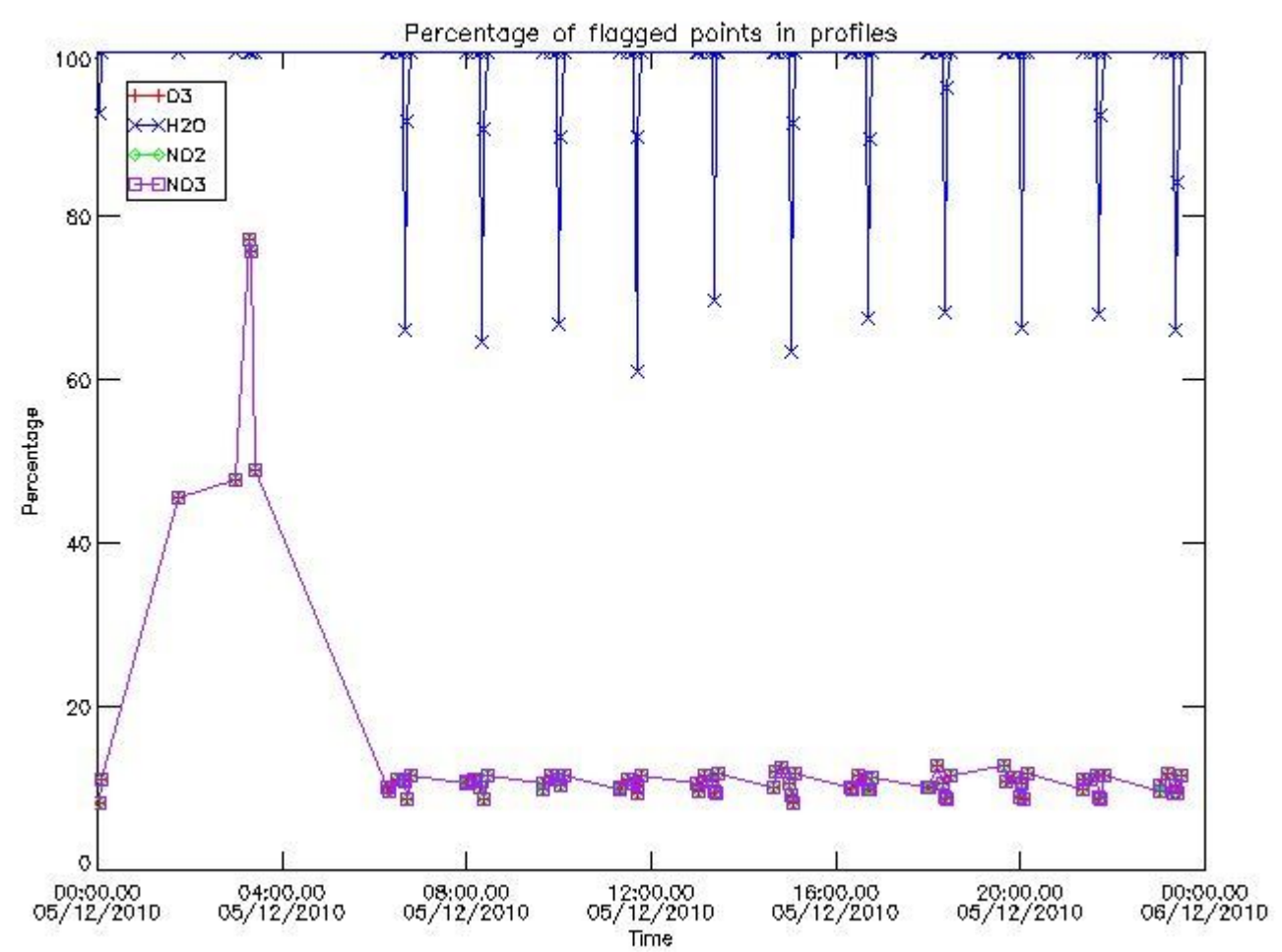
|     |  |                      |            |        |     |           |          |        |     |       |    |
|-----|--|----------------------|------------|--------|-----|-----------|----------|--------|-----|-------|----|
| 220 | GOM_NL__2PRFIN20101205_165951_000000523097_00127_45831_0625.N1 | 05-DEC-2010 16:59:51 | Twilight   | 52.000 | 72  | 34Del Ori | 2.2500   | 30000. | 104 | 45831 | No |
| 221 | GOM_NL__2PRFIN20101205_170209_000000563097_00127_45831_0626.N1 | 05-DEC-2010 17:02:09 | Twilight   | 56.000 | 27  | 24Gam Ori | 1.6360   | 26000. | 112 | 45831 | No |
| 222 | GOM_NL__2PRFIN20101205_170436_000000603097_00127_45831_0627.N1 | 05-DEC-2010 17:04:36 | Bright     | 60.000 | 13  | 87Alp Tau | 0.86700  | 3800.0 | 120 | 45831 | No |
| 223 | GOM_NL__2PRFIN20101205_170624_000000393097_00127_45831_0628.N1 | 05-DEC-2010 17:06:24 | Bright     | 38.500 | 146 | 25Eta Tau | 2.8730   | 15200. | 77  | 45831 | No |
| 224 | GOM_NL__2PRFIN20101205_170841_000000383097_00127_45831_0629.N1 | 05-DEC-2010 17:08:41 | Bright     | 38.000 | 150 | 44Zet Per | 2.8900   | 28000. | 76  | 45831 | No |
| 225 | GOM_NL__2PRFIN20101205_171011_000000453097_00127_45831_0630.N1 | 05-DEC-2010 17:10:11 | Bright     | 44.500 | 114 | 3lot Aur  | 2.6930   | 4600.0 | 89  | 45831 | No |
| 226 | GOM_NL__2PRFIN20101205_173053_000000473097_00127_45831_0631.N1 | 05-DEC-2010 17:30:53 | Bright     | 47.000 | 36  | 50Alp UMa | 1.8000   | 6300.0 | 94  | 45831 | No |
| 227 | GOM_NL__2PRFIN20101205_173226_000000453097_00127_45831_0632.N1 | 05-DEC-2010 17:32:26 | Bright     | 45.000 | 82  | 48Bet UMa | 2.3650   | 10600. | 90  | 45831 | No |
| 228 | GOM_NL__2PRFIN20101205_173424_000000383097_00127_45831_0633.N1 | 05-DEC-2010 17:34:24 | Bright     | 38.000 | 32  | 77Eps UMa | 1.7630   | 11000. | 76  | 45831 | No |
| 229 | GOM_NL__2PRFIN20101205_173637_000000393097_00127_45831_0634.N1 | 05-DEC-2010 17:36:37 | Bright     | 39.000 | 39  | 85Eta UMa | 1.8540   | 24000. | 78  | 45831 | No |
| 230 | GOM_NL__2PRFIN20101205_174006_000000413097_00127_45831_0635.N1 | 05-DEC-2010 17:40:06 | Bright     | 41.000 | 152 | 12Alp2CVn | 2.8900   | 11000. | 82  | 45831 | No |
| 231 | GOM_NL__2PRFIN20101205_174544_000000373097_00127_45831_0636.N1 | 05-DEC-2010 17:45:44 | Bright     | 36.500 | 111 | 8Eta Boo  | 2.6800   | 6000.0 | 73  | 45831 | No |
| 232 | GOM_NL__2PRFIN20101205_174900_000000623097_00127_45831_0637.N1 | 05-DEC-2010 17:49:00 | Bright     | 62.000 | 138 | 47Eps Vir | 2.8280   | 4700.0 | 124 | 45831 | No |
| 233 | GOM_NL__2PRFIN20101205_175335_000000533097_00127_45831_0638.N1 | 05-DEC-2010 17:53:35 | Bright     | 52.500 | 121 | 29Gam Vir | 2.7400   | 7200.0 | 105 | 45831 | No |
| 234 | GOM_NL__2PRFIN20101205_175929_000000503097_00127_45831_0639.N1 | 05-DEC-2010 17:59:29 | Dark       | 50.000 | 100 | 4Gam Crv  | 2.5800   | 13100. | 100 | 45831 | No |
| 235 | GOM_NL__2PRFIN20101205_180105_000000503097_00127_45831_0640.N1 | 05-DEC-2010 18:01:05 | Dark       | 50.000 | 171 | 2Eps Crv  | 3.0010   | 4250.0 | 100 | 45831 | No |
| 236 | GOM_NL__2PRFIN20101205_181026_000000443097_00128_45832_0658.N1 | 05-DEC-2010 18:10:26 | Dark       | 44.000 | 113 | Mu Vel    | 2.6920   | 5000.0 | 88  | 45832 | No |
| 237 | GOM_NL__2PRFIN20101205_181905_000000493097_00128_45832_0659.N1 | 05-DEC-2010 18:19:05 | Dark       | 48.500 | 34  | Gam2Vel   | 1.7930   | 23000. | 97  | 45832 | No |
| 238 | GOM_NL__2PRFIN20101205_182203_000000573097_00128_45832_0660.N1 | 05-DEC-2010 18:22:03 | Dark       | 57.000 | 2   | Alp Car   | -0.73600 | 7000.0 | 114 | 45832 | No |
| 239 | GOM_NL__2PRFIN20101205_182413_000000593097_00128_45832_0661.N1 | 05-DEC-2010 18:24:13 | Dark       | 59.000 | 117 | Pi Pup    | 2.7060   | 3800.0 | 118 | 45832 | No |
| 240 | GOM_NL__2PRFIN20101205_182819_000000453097_00128_45832_0662.N1 | 05-DEC-2010 18:28:19 | Dark       | 44.500 | 108 | Alp Col   | 2.6520   | 15200. | 89  | 45832 | No |
| 241 | GOM_NL__2PRFIN20101205_183344_000000533097_00128_45832_0663.N1 | 05-DEC-2010 18:33:44 | Straylight | 52.500 | 101 | 11Alp Lep | 2.5820   | 7000.0 | 105 | 45832 | No |
| 242 | GOM_NL__2PRFIN20101205_183707_000000573097_00128_45832_0664.N1 | 05-DEC-2010 18:37:07 | Straylight | 57.000 | 7   | 19Bet Ori | 0.10000  | 14000. | 114 | 45832 | No |
| 243 | GOM_NL__2PRFIN20101205_184005_000000533097_00128_45832_0665.N1 | 05-DEC-2010 18:40:05 | Twilight   | 52.500 | 72  | 34Del Ori | 2.2500   | 30000. | 105 | 45832 | No |
| 244 | GOM_NL__2PRFIN20101205_184223_000000563097_00128_45832_0666.N1 | 05-DEC-2010 18:42:23 | Twilight   | 56.000 | 27  | 24Gam Ori | 1.6360   | 26000. | 112 | 45832 | No |
| 245 | GOM_NL__2PRFIN20101205_184449_000000603097_00128_45832_0667.N1 | 05-DEC-2010 18:44:49 | Bright     | 60.000 | 13  | 87Alp Tau | 0.86700  | 3800.0 | 120 | 45832 | No |
| 246 | GOM_NL__2PRFIN20101205_184638_000000393097_00128_45832_0668.N1 | 05-DEC-2010 18:46:38 | Bright     | 38.500 | 146 | 25Eta Tau | 2.8730   | 15200. | 77  | 45832 | No |
| 247 | GOM_NL__2PRFIN20101205_184855_000000383097_00128_45832_0669.N1 | 05-DEC-2010 18:48:55 | Bright     | 37.500 | 150 | 44Zet Per | 2.8900   | 28000. | 75  | 45832 | No |
| 248 | GOM_NL__2PRFIN20101205_185024_000000433097_00128_45832_0670.N1 | 05-DEC-2010 18:50:24 | Bright     | 43.000 | 114 | 3lot Aur  | 2.6930   | 4600.0 | 86  | 45832 | No |
| 249 | GOM_NL__2PRFIN20101205_185323_000000373097_00128_45832_0671.N1 | 05-DEC-2010 18:53:23 | Bright     | 37.000 | 175 | 39Del Per | 3.0100   | 19400. | 74  | 45832 | No |
| 250 | GOM_NL__2PRFIN20101205_191107_000000473097_00128_45832_0672.N1 | 05-DEC-2010 19:11:07 | Bright     | 47.000 | 36  | 50Alp UMa | 1.8000   | 6300.0 | 94  | 45832 | No |
| 251 | GOM_NL__2PRFIN20101205_191240_000000473097_00128_45832_0673.N1 | 05-DEC-2010 19:12:40 | Bright     | 47.000 | 82  | 48Bet UMa | 2.3650   | 10600. | 94  | 45832 | No |
| 252 | GOM_NL__2PRFIN20101205_191438_000000393097_00128_45832_0674.N1 | 05-DEC-2010 19:14:38 | Bright     | 38.500 | 32  | 77Eps UMa | 1.7630   | 11000. | 77  | 45832 | No |
| 253 | GOM_NL__2PRFIN20101205_191651_000000373097_00128_45832_0675.N1 | 05-DEC-2010 19:16:51 | Bright     | 36.500 | 39  | 85Eta UMa | 1.8540   | 24000. | 73  | 45832 | No |
| 254 | GOM_NL__2PRFIN20101205_192020_000000433097_00128_45832_0676.N1 | 05-DEC-2010 19:20:20 | Bright     | 42.500 | 152 | 12Alp2CVn | 2.8900   | 11000. | 85  | 45832 | No |
| 255 | GOM_NL__2PRFIN20101205_192558_000000373097_00128_45832_0677.N1 | 05-DEC-2010 19:25:58 | Bright     | 37.000 | 111 | 8Eta Boo  | 2.6800   | 6000.0 | 74  | 45832 | No |
| 256 | GOM_NL__2PRFIN20101205_192915_000000633097_00128_45832_0678.N1 | 05-DEC-2010 19:29:15 | Bright     | 63.000 | 138 | 47Eps Vir | 2.8280   | 4700.0 | 126 | 45832 | No |
| 257 | GOM_NL__2PRFIN20101205_193350_000000563097_00128_45832_0679.N1 | 05-DEC-2010 19:33:50 | Bright     | 56.000 | 121 | 29Gam Vir | 2.7400   | 7200.0 | 112 | 45832 | No |
| 258 | GOM_NL__2PRFIN20101205_193944_000000483097_00128_45832_0680.N1 | 05-DEC-2010 19:39:44 | Dark       | 48.000 | 100 | 4Gam Crv  | 2.5800   | 13100. | 96  | 45832 | No |
| 259 | GOM_NL__2PRFIN20101205_194120_000000523097_00128_45832_0681.N1 | 05-DEC-2010 19:41:20 | Dark       | 51.500 | 171 | 2Eps Crv  | 3.0010   | 4250.0 | 103 | 45832 | No |
| 260 | GOM_NL__2PRFIN20101205_195041_000000453097_00129_45833_0717.N1 | 05-DEC-2010 19:50:41 | Dark       | 45.000 | 113 | Mu Vel    | 2.6920   | 5000.0 | 90  | 45833 | No |
| 261 | GOM_NL__2PRFIN20101205_195920_000000573097_00129_45833_0718.N1 | 05-DEC-2010 19:59:20 | Dark       | 57.000 | 34  | Gam2Vel   | 1.7930   | 23000. | 114 | 45833 | No |
| 262 | GOM_NL__2PRFIN20101205_200217_000000483097_00129_45833_0719.N1 | 05-DEC-2010 20:02:17 | Dark       | 48.000 | 2   | Alp Car   | -0.73600 | 7000.0 | 96  | 45833 | No |
| 263 | GOM_NL__2PRFIN20101205_200428_000000583097_00129_45833_0720.N1 | 05-DEC-2010 20:04:28 | Dark       | 58.000 | 117 | Pi Pup    | 2.7060   | 3800.0 | 116 | 45833 | No |
| 264 | GOM_NL__2PRFIN20101205_200834_000000443097_00129_45833_0721.N1 | 05-DEC-2010 20:08:34 | Dark       | 43.500 | 108 | Alp Col   | 2.6520   | 15200. | 87  | 45833 | No |
| 265 | GOM_NL__2PRFIN20101205_201358_000000533097_00129_45833_0722.N1 | 05-DEC-2010 20:13:58 | Straylight | 53.000 | 101 | 11Alp Lep | 2.5820   | 7000.0 | 106 | 45833 | No |
| 266 | GOM_NL__2PRFIN20101205_201721_000000623097_00129_45833_0723.N1 | 05-DEC-2010 20:17:21 | Straylight | 62.000 | 7   | 19Bet Ori | 0.10000  | 14000. | 124 | 45833 | No |
| 267 | GOM_NL__2PRFIN20101205_202019_000000573097_00129_45833_0724.N1 | 05-DEC-2010 20:20:19 | Twilight   | 56.500 | 72  | 34Del Ori | 2.2500   | 30000. | 113 | 45833 | No |
| 268 | GOM_NL__2PRFIN20101205_202236_000000543097_00129_45833_0725.N1 | 05-DEC-2010 20:22:36 | Twilight   | 54.000 | 27  | 24Gam Ori | 1.6360   | 26000. | 108 | 45833 | No |
| 269 | GOM_NL__2PRFIN20101205_202503_000000593097_00129_45833_0726.N1 | 05-DEC-2010 20:25:03 | Bright     | 58.500 | 13  | 87Alp Tau | 0.86700  | 3800.0 | 117 | 45833 | No |
| 270 | GOM_NL__2PRFIN20101205_202652_000000373097_00129_45833_0727.N1 | 05-DEC-2010 20:26:52 | Bright     | 36.500 | 146 | 25Eta Tau | 2.8730   | 15200. | 73  | 45833 | No |
| 271 | GOM_NL__2PRFIN20101205_202909_000000393097_00129_45833_0728.N1 | 05-DEC-2010 20:29:09 | Bright     | 39.000 | 150 | 44Zet Per | 2.8900   | 28000. | 78  | 45833 | No |
| 272 | GOM_NL__2PRFIN20101205_203038_000000443097_00129_45833_0729.N1 | 05-DEC-2010 20:30:38 | Bright     | 43.500 | 114 | 3lot Aur  | 2.6930   | 4600.0 | 87  | 45833 | No |
| 273 | GOM_NL__2PRFIN20101205_203337_000000373097_00129_45833_0730.N1 | 05-DEC-2010 20:33:37 | Bright     | 37.000 | 175 | 39Del Per | 3.0100   | 19400. | 74  | 45833 | No |
| 274 | GOM_NL__2PRFIN20101205_205120_000000473097_00129_45833_0731.N1 | 05-DEC-2010 20:51:20 | Bright     | 46.500 | 36  | 50Alp UMa | 1.8000   | 6300.0 | 93  | 45833 | No |
| 275 | GOM_NL__2PRFIN20101205_205254_000000473097_00129_45833_0732.N1 | 05-DEC-2010 20:52:54 | Bright     | 47.000 | 82  | 48Bet UMa | 2.3650   | 10600. | 94  | 45833 | No |
| 276 | GOM_NL__2PRFIN20101205_205452_000000423097_00129_45833_0733.N1 | 05-DEC-2010 20:54:52 | Bright     | 42.000 | 32  | 77Eps UMa | 1.7630   | 11000. | 84  | 45833 | No |
| 277 | GOM_NL__2PRFIN20101205_205705_000000373097_00129_45833_0734.N1 | 05-DEC-2010 20:57:05 | Bright     | 36.500 | 39  | 85Eta UMa | 1.8540   | 24000. | 73  | 45833 | No |
| 278 | GOM_NL__2PRFIN20101205_210035_000000403097_00129_45833_0735.N1 | 05-DEC-2010 21:00:35 | Bright     | 40.000 | 152 | 12Alp2CVn | 2.8900   | 11000. | 80  | 45833 | No |

|     |  |                      |                |        |     |           |          |        |     |       |    |
|-----|--|----------------------|----------------|--------|-----|-----------|----------|--------|-----|-------|----|
| 279 | GOM_NL__2PRFIN20101205_210613_000000373097_00129_45833_0736.N1 | 05-DEC-2010 21:06:13 | Bright         | 37.000 | 111 | 8Eta Boo  | 2.6800   | 6000.0 | 74  | 45833 | No |
| 280 | GOM_NL__2PRFIN20101205_210929_000000453097_00129_45833_0737.N1 | 05-DEC-2010 21:09:29 | Bright         | 44.500 | 138 | 47Eps Vir | 2.8280   | 4700.0 | 89  | 45833 | No |
| 281 | GOM_NL__2PRFIN20101205_211404_000000543097_00129_45833_0738.N1 | 05-DEC-2010 21:14:04 | Bright         | 53.500 | 121 | 29Gam Vir | 2.7400   | 7200.0 | 107 | 45833 | No |
| 282 | GOM_NL__2PRFIN20101205_211958_000000523097_00129_45833_0739.N1 | 05-DEC-2010 21:19:58 | Dark           | 52.000 | 100 | 4Gam Crv  | 2.5800   | 13100. | 104 | 45833 | No |
| 283 | GOM_NL__2PRFIN20101205_212135_000000553097_00129_45833_0740.N1 | 05-DEC-2010 21:21:35 | Dark           | 54.500 | 171 | 2Eps Crv  | 3.0010   | 4250.0 | 109 | 45833 | No |
| 284 | GOM_NL__2PRFIN20101205_213056_000000463097_00130_45834_0766.N1 | 05-DEC-2010 21:30:56 | Dark           | 46.000 | 113 | Mu Vel    | 2.6920   | 5000.0 | 92  | 45834 | No |
| 285 | GOM_NL__2PRFIN20101205_213935_000000483097_00130_45834_0767.N1 | 05-DEC-2010 21:39:35 | Dark           | 48.000 | 34  | Gam2Vel   | 1.7930   | 23000. | 96  | 45834 | No |
| 286 | GOM_NL__2PRFIN20101205_214232_000000573097_00130_45834_0768.N1 | 05-DEC-2010 21:42:32 | Dark           | 56.500 | 2   | Alp Car   | -0.73600 | 7000.0 | 113 | 45834 | No |
| 287 | GOM_NL__2PRFIN20101205_214442_000000593097_00130_45834_0769.N1 | 05-DEC-2010 21:44:42 | Dark           | 59.000 | 117 | Pi Pup    | 2.7060   | 3800.0 | 118 | 45834 | No |
| 288 | GOM_NL__2PRFIN20101205_214848_000000453097_00130_45834_0770.N1 | 05-DEC-2010 21:48:48 | Dark           | 44.500 | 108 | Alp Col   | 2.6520   | 15200. | 89  | 45834 | No |
| 289 | GOM_NL__2PRFIN20101205_215412_000000523097_00130_45834_0771.N1 | 05-DEC-2010 21:54:12 | Straylight     | 52.000 | 101 | 11Alp Lep | 2.5820   | 7000.0 | 104 | 45834 | No |
| 290 | GOM_NL__2PRFIN20101205_215735_000000633097_00130_45834_0772.N1 | 05-DEC-2010 21:57:35 | Straylight     | 63.000 | 7   | 19Bet Ori | 0.10000  | 14000. | 126 | 45834 | No |
| 291 | GOM_NL__2PRFIN20101205_220016_000000253097_00130_45834_0773.N1 | 05-DEC-2010 22:00:16 | Straylight     | 25.000 | 30  | 46Eps Ori | 1.6940   | 30000. | 50  | 45834 | No |
| 292 | GOM_NL__2PRFIN20101205_220250_000000543097_00130_45834_0774.N1 | 05-DEC-2010 22:02:50 | Tw_i_and_stray | 53.500 | 27  | 24Gam Ori | 1.6360   | 26000. | 107 | 45834 | No |
| 293 | GOM_NL__2PRFIN20101205_220517_000000563097_00130_45834_0775.N1 | 05-DEC-2010 22:05:17 | Bright         | 55.500 | 13  | 87Alp Tau | 0.86700  | 3800.0 | 111 | 45834 | No |
| 294 | GOM_NL__2PRFIN20101205_220706_000000363097_00130_45834_0776.N1 | 05-DEC-2010 22:07:06 | Bright         | 36.000 | 146 | 25Eta Tau | 2.8730   | 15200. | 72  | 45834 | No |
| 295 | GOM_NL__2PRFIN20101205_220923_000000373097_00130_45834_0777.N1 | 05-DEC-2010 22:09:23 | Bright         | 36.500 | 150 | 44Zet Per | 2.8900   | 28000. | 73  | 45834 | No |
| 296 | GOM_NL__2PRFIN20101205_221051_000000443097_00130_45834_0778.N1 | 05-DEC-2010 22:10:51 | Bright         | 44.000 | 114 | 31ot Aur  | 2.6930   | 4600.0 | 88  | 45834 | No |
| 297 | GOM_NL__2PRFIN20101205_221351_000000363097_00130_45834_0779.N1 | 05-DEC-2010 22:13:51 | Bright         | 35.500 | 175 | 39Del Per | 3.0100   | 19400. | 71  | 45834 | No |
| 298 | GOM_NL__2PRFIN20101205_223134_000000453097_00130_45834_0780.N1 | 05-DEC-2010 22:31:34 | Bright         | 45.000 | 36  | 50Alp UMa | 1.8000   | 6300.0 | 90  | 45834 | No |
| 299 | GOM_NL__2PRFIN20101205_223307_000000493097_00130_45834_0781.N1 | 05-DEC-2010 22:33:07 | Bright         | 49.000 | 82  | 48Bet UMa | 2.3650   | 10600. | 98  | 45834 | No |
| 300 | GOM_NL__2PRFIN20101205_223506_000000423097_00130_45834_0782.N1 | 05-DEC-2010 22:35:06 | Bright         | 41.500 | 32  | 77Eps UMa | 1.7630   | 11000. | 83  | 45834 | No |
| 301 | GOM_NL__2PRFIN20101205_223719_000000553097_00130_45834_0783.N1 | 05-DEC-2010 22:37:19 | Bright         | 55.000 | 39  | 85Eta UMa | 1.8540   | 24000. | 110 | 45834 | No |
| 302 | GOM_NL__2PRFIN20101205_224048_000000413097_00130_45834_0784.N1 | 05-DEC-2010 22:40:48 | Bright         | 41.000 | 152 | 12Alp2CVn | 2.8900   | 11000. | 82  | 45834 | No |
| 303 | GOM_NL__2PRFIN20101205_224627_000000423097_00130_45834_0785.N1 | 05-DEC-2010 22:46:27 | Bright         | 42.000 | 111 | 8Eta Boo  | 2.6800   | 6000.0 | 84  | 45834 | No |
| 304 | GOM_NL__2PRFIN20101205_224944_000000463097_00130_45834_0786.N1 | 05-DEC-2010 22:49:44 | Bright         | 45.500 | 138 | 47Eps Vir | 2.8280   | 4700.0 | 91  | 45834 | No |
| 305 | GOM_NL__2PRFIN20101205_225419_000000513097_00130_45834_0787.N1 | 05-DEC-2010 22:54:19 | Bright         | 51.000 | 121 | 29Gam Vir | 2.7400   | 7200.0 | 102 | 45834 | No |
| 306 | GOM_NL__2PRFIN20101205_230014_000000533097_00130_45834_0788.N1 | 05-DEC-2010 23:00:14 | Dark           | 52.500 | 100 | 4Gam Crv  | 2.5800   | 13100. | 105 | 45834 | No |
| 307 | GOM_NL__2PRFIN20101205_230150_000000543097_00130_45834_0789.N1 | 05-DEC-2010 23:01:50 | Dark           | 54.000 | 171 | 2Eps Crv  | 3.0010   | 4250.0 | 108 | 45834 | No |
| 308 | GOM_NL__2PRFIN20101205_231111_000000443097_00131_45835_0878.N1 | 05-DEC-2010 23:11:11 | Dark           | 43.500 | 113 | Mu Vel    | 2.6920   | 5000.0 | 87  | 45835 | No |
| 309 | GOM_NL__2PRFIN20101205_231949_000000543097_00131_45835_0879.N1 | 05-DEC-2010 23:19:49 | Dark           | 54.000 | 34  | Gam2Vel   | 1.7930   | 23000. | 108 | 45835 | No |
| 310 | GOM_NL__2PRFIN20101205_232246_000000493097_00131_45835_0880.N1 | 05-DEC-2010 23:22:46 | Dark           | 49.000 | 2   | Alp Car   | -0.73600 | 7000.0 | 98  | 45835 | No |
| 311 | GOM_NL__2PRFIN20101205_232457_000000603097_00131_45835_0881.N1 | 05-DEC-2010 23:24:57 | Dark           | 60.000 | 117 | Pi Pup    | 2.7060   | 3800.0 | 120 | 45835 | No |
| 312 | GOM_NL__2PRFIN20101205_232902_000000443097_00131_45835_0882.N1 | 05-DEC-2010 23:29:02 | Dark           | 44.000 | 108 | Alp Col   | 2.6520   | 15200. | 88  | 45835 | No |
| 313 | GOM_NL__2PRFIN20101205_233426_000000513097_00131_45835_0883.N1 | 05-DEC-2010 23:34:26 | Straylight     | 51.000 | 101 | 11Alp Lep | 2.5820   | 7000.0 | 102 | 45835 | No |
| 314 | GOM_NL__2PRFIN20101205_233749_000000563097_00131_45835_0884.N1 | 05-DEC-2010 23:37:49 | Straylight     | 56.000 | 7   | 19Bet Ori | 0.10000  | 14000. | 112 | 45835 | No |
| 315 | GOM_NL__2PRFIN20101205_234030_000000253097_00131_45835_0885.N1 | 05-DEC-2010 23:40:30 | Straylight     | 25.000 | 30  | 46Eps Ori | 1.6940   | 30000. | 50  | 45835 | No |
| 316 | GOM_NL__2PRFIN20101205_234303_000000553097_00131_45835_0886.N1 | 05-DEC-2010 23:43:03 | Tw_i_and_stray | 54.500 | 27  | 24Gam Ori | 1.6360   | 26000. | 109 | 45835 | No |
| 317 | GOM_NL__2PRFIN20101205_234531_000000593097_00131_45835_0887.N1 | 05-DEC-2010 23:45:31 | Bright         | 59.000 | 13  | 87Alp Tau | 0.86700  | 3800.0 | 118 | 45835 | No |
| 318 | GOM_NL__2PRFIN20101205_234720_000000373097_00131_45835_0888.N1 | 05-DEC-2010 23:47:20 | Bright         | 37.000 | 146 | 25Eta Tau | 2.8730   | 15200. | 74  | 45835 | No |
| 319 | GOM_NL__2PRFIN20101205_234937_000000383097_00131_45835_0889.N1 | 05-DEC-2010 23:49:37 | Bright         | 38.000 | 150 | 44Zet Per | 2.8900   | 28000. | 76  | 45835 | No |
| 320 | GOM_NL__2PRFIN20101205_235105_000000443097_00131_45835_0890.N1 | 05-DEC-2010 23:51:05 | Bright         | 44.000 | 114 | 31ot Aur  | 2.6930   | 4600.0 | 88  | 45835 | No |
| 321 | GOM_NL__2PRFIN20101205_235404_000000363097_00131_45835_0891.N1 | 05-DEC-2010 23:54:04 | Bright         | 36.000 | 175 | 39Del Per | 3.0100   | 19400. | 72  | 45835 | 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.

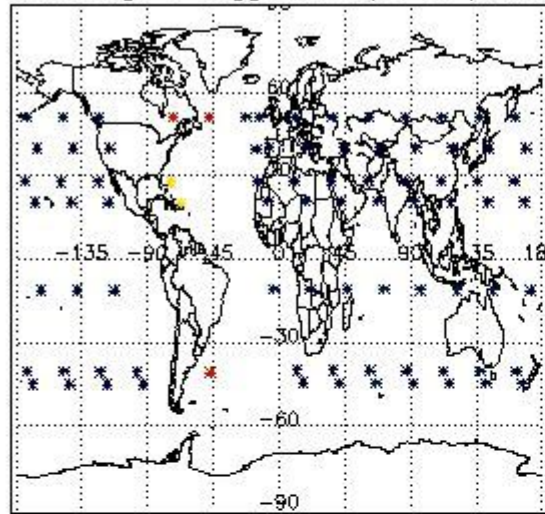
#### 3.1 Plot quality information per product (time dependant)



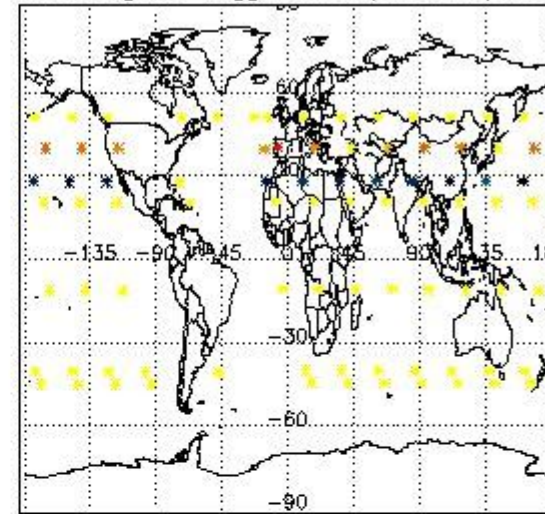
3.2 Plot quality information per product (world map)



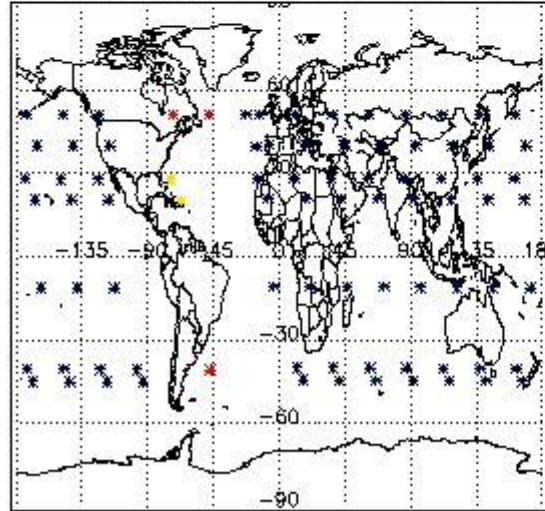
Percentage of flagged data per O3 profile



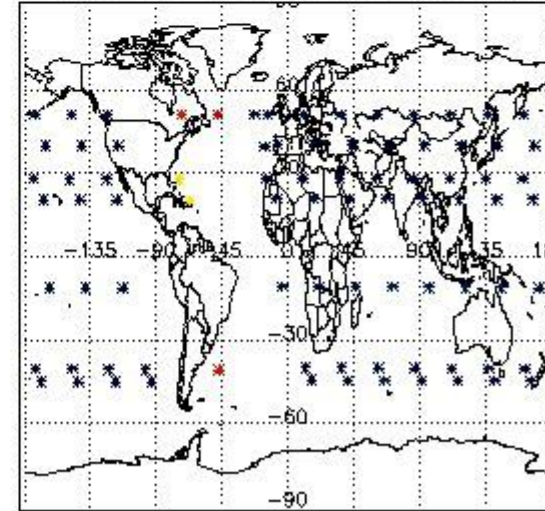
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

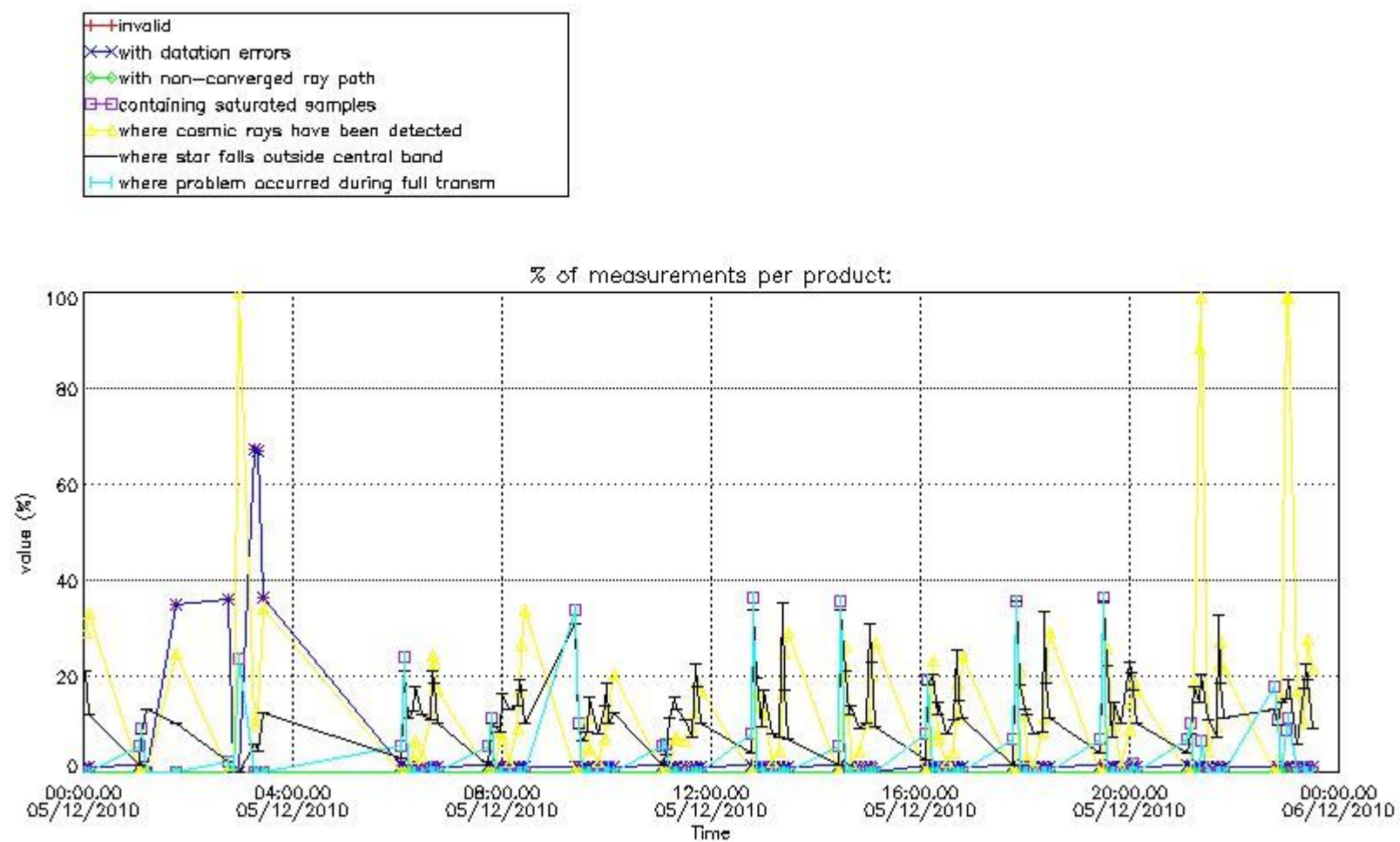


#### 4. Level 1 quality information per product

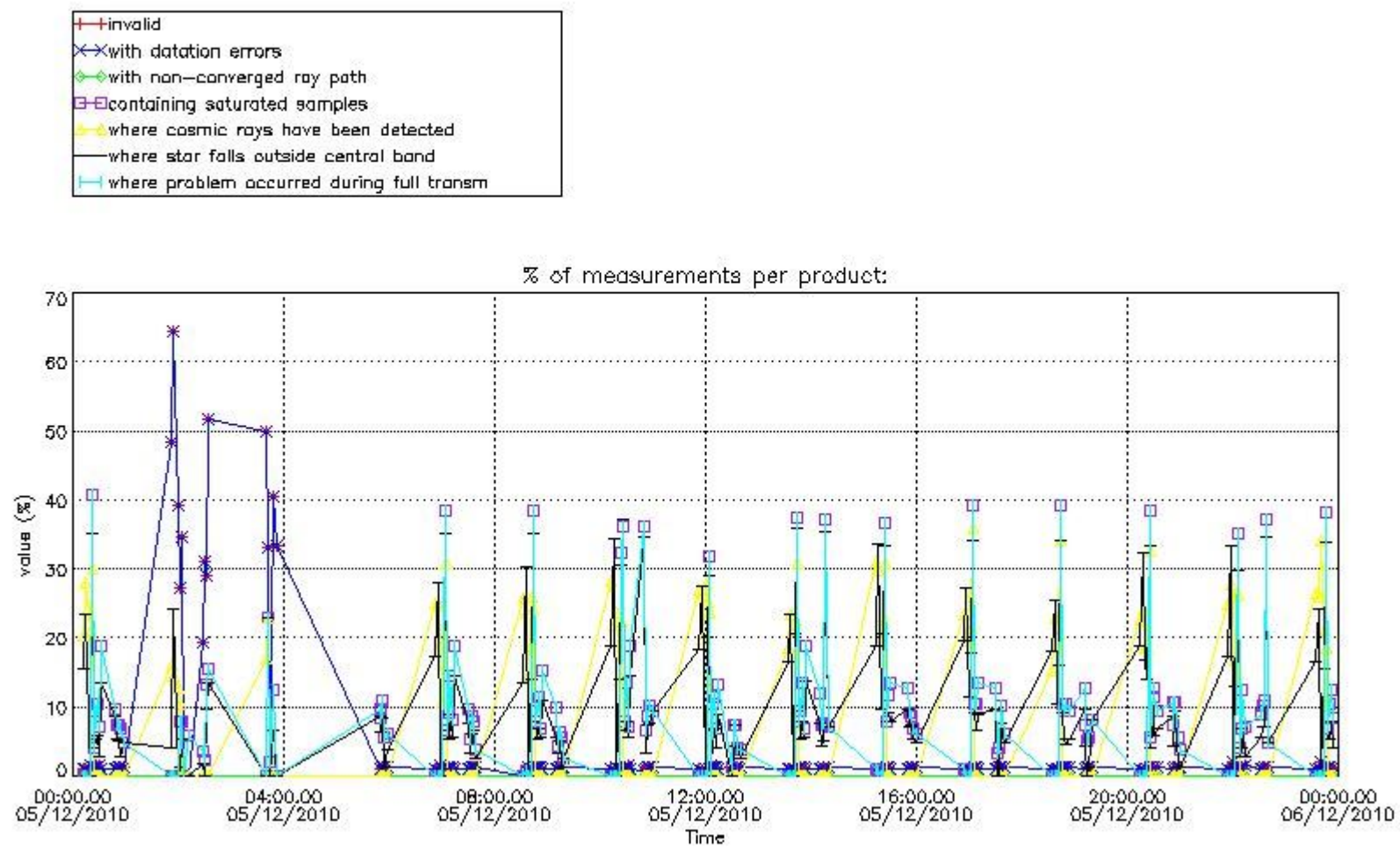
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

##### 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

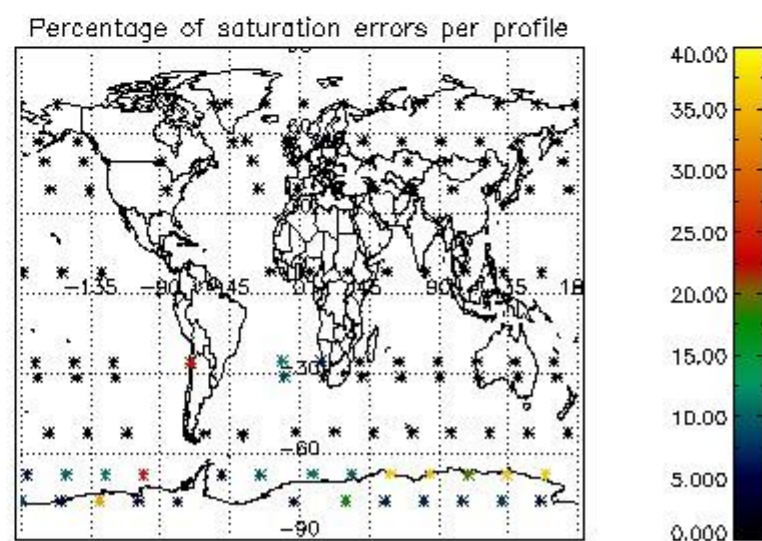
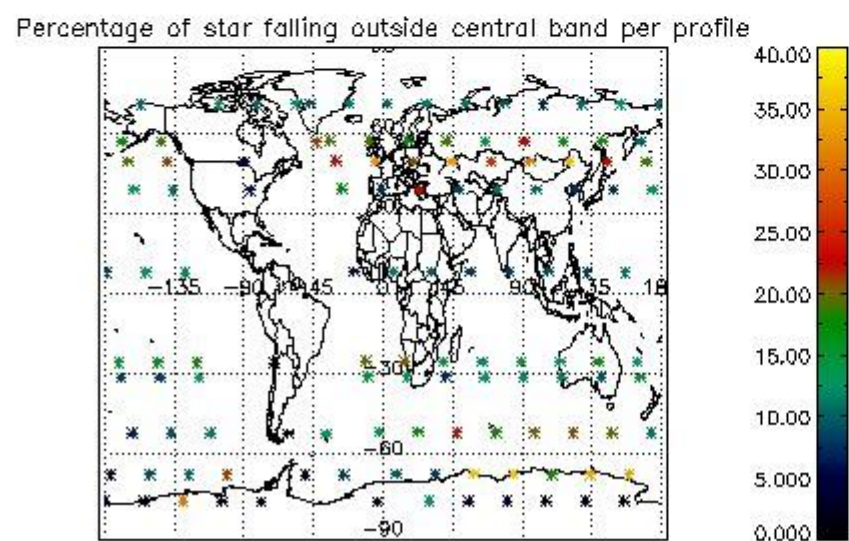
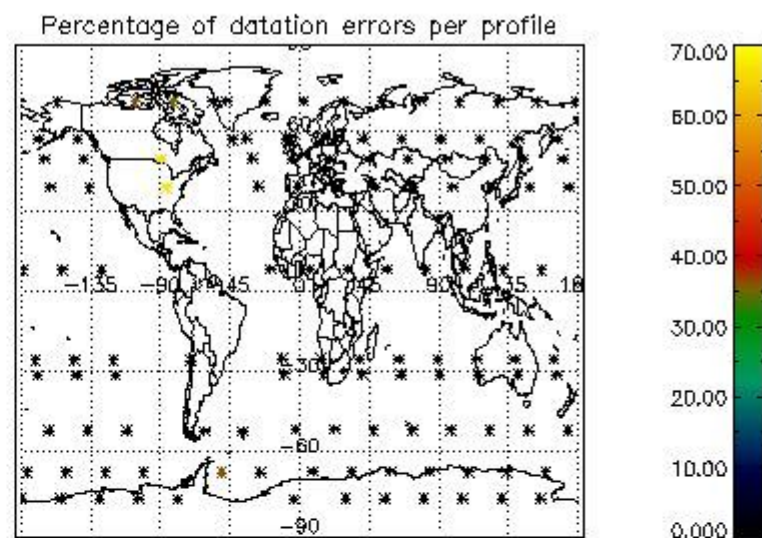
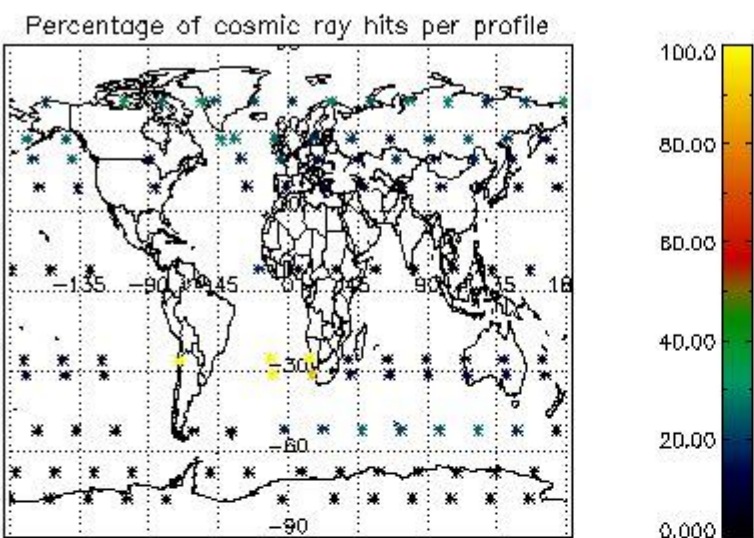


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

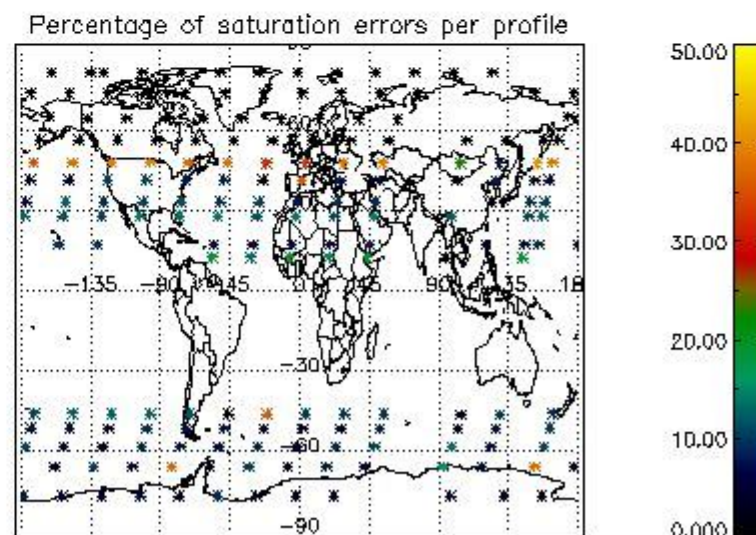
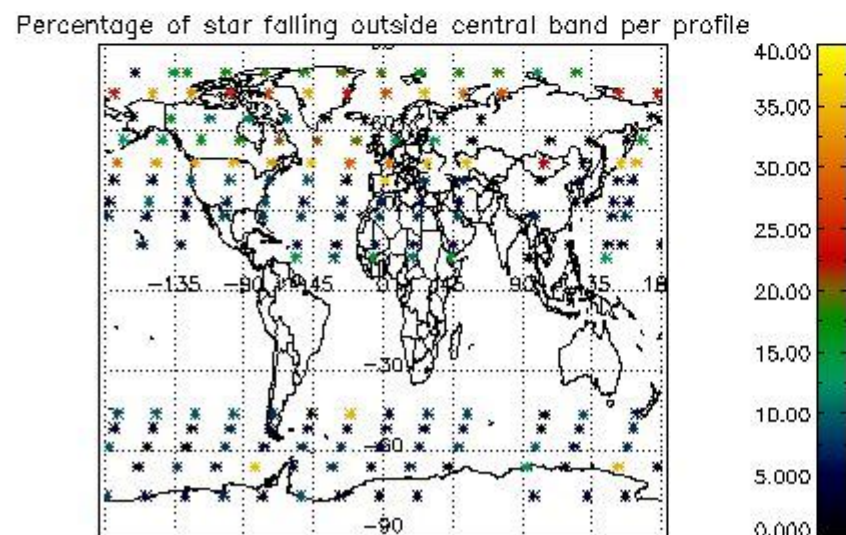
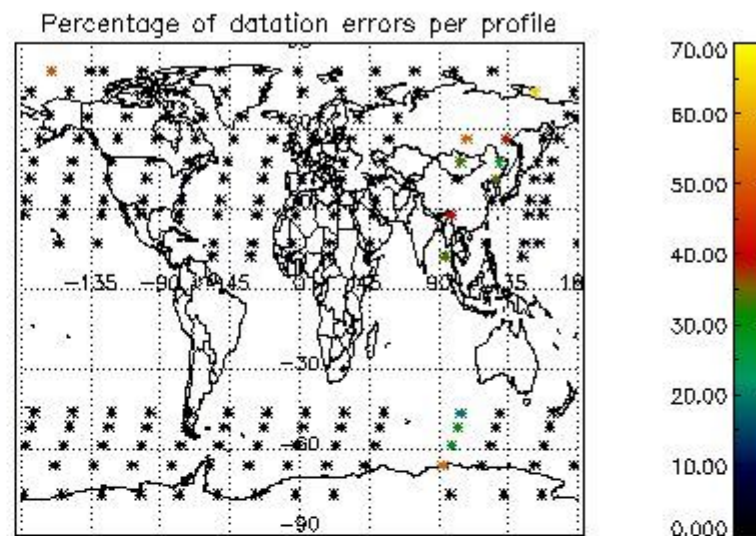
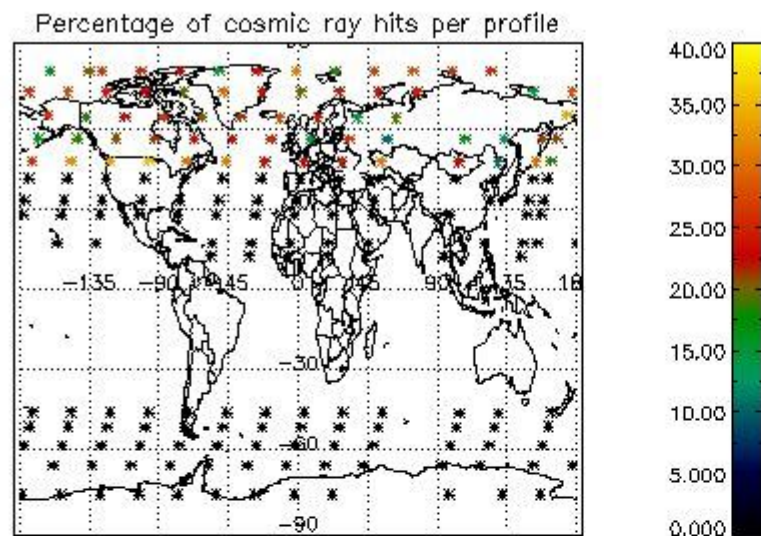


4.2 Plot quality information per product coming from level 1b processing (world map)

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

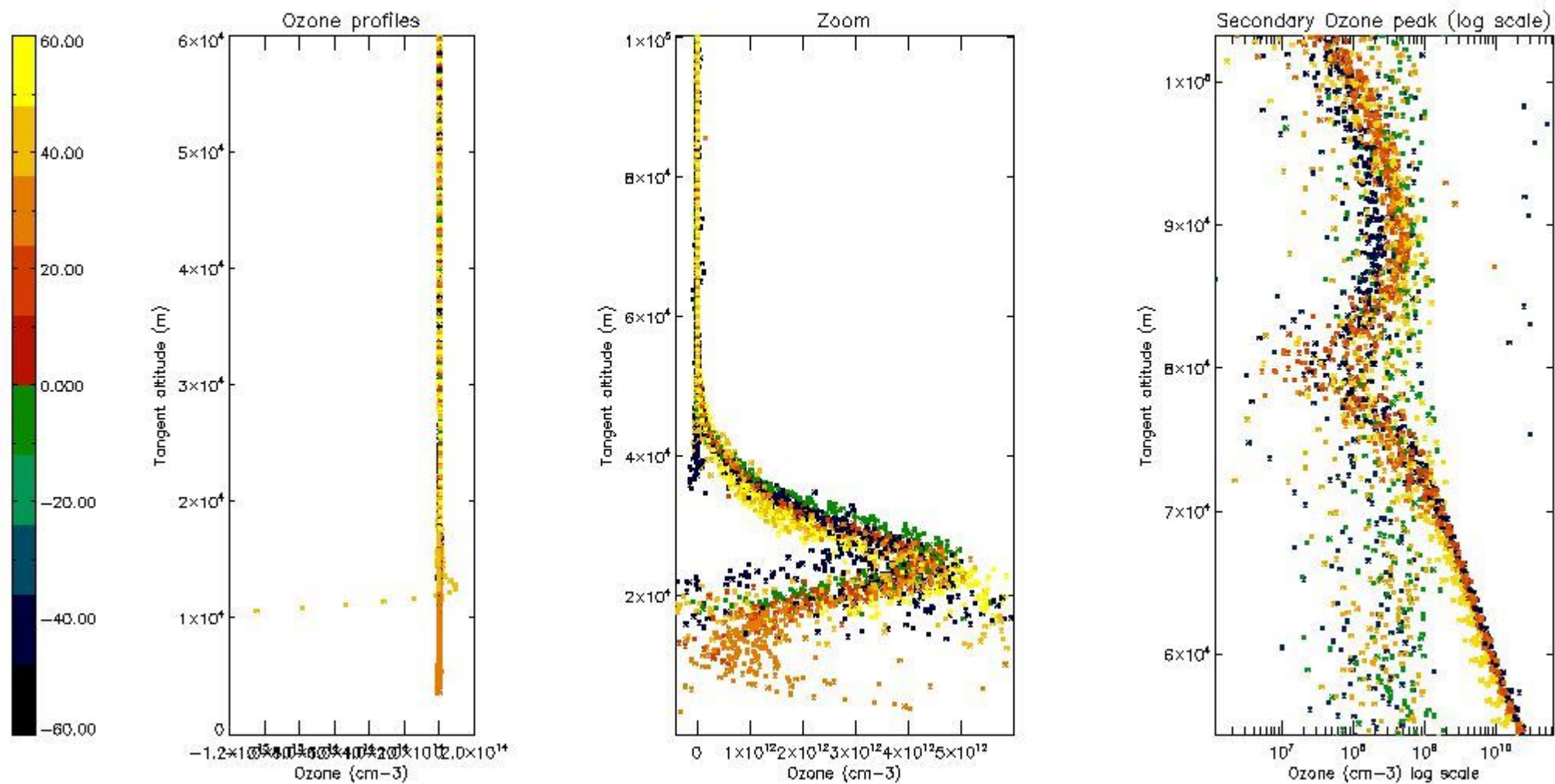
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

| Criteria | % of total production |
|----------|-----------------------|
| All STD  | 30                    |
| STD < 20 | 14                    |

|          |    |
|----------|----|
| STD < 10 | 10 |
| STD < 5  | 6  |

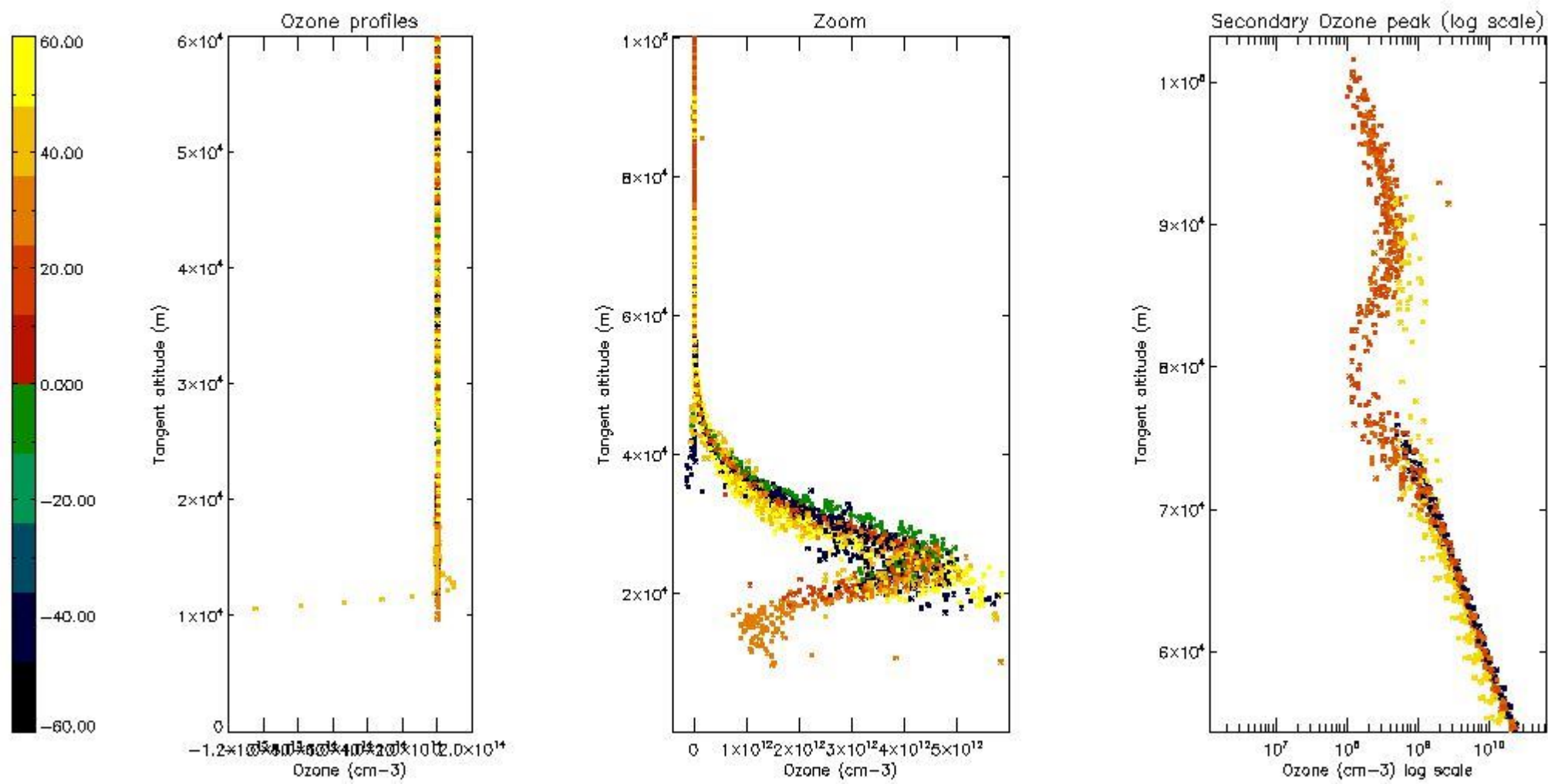
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



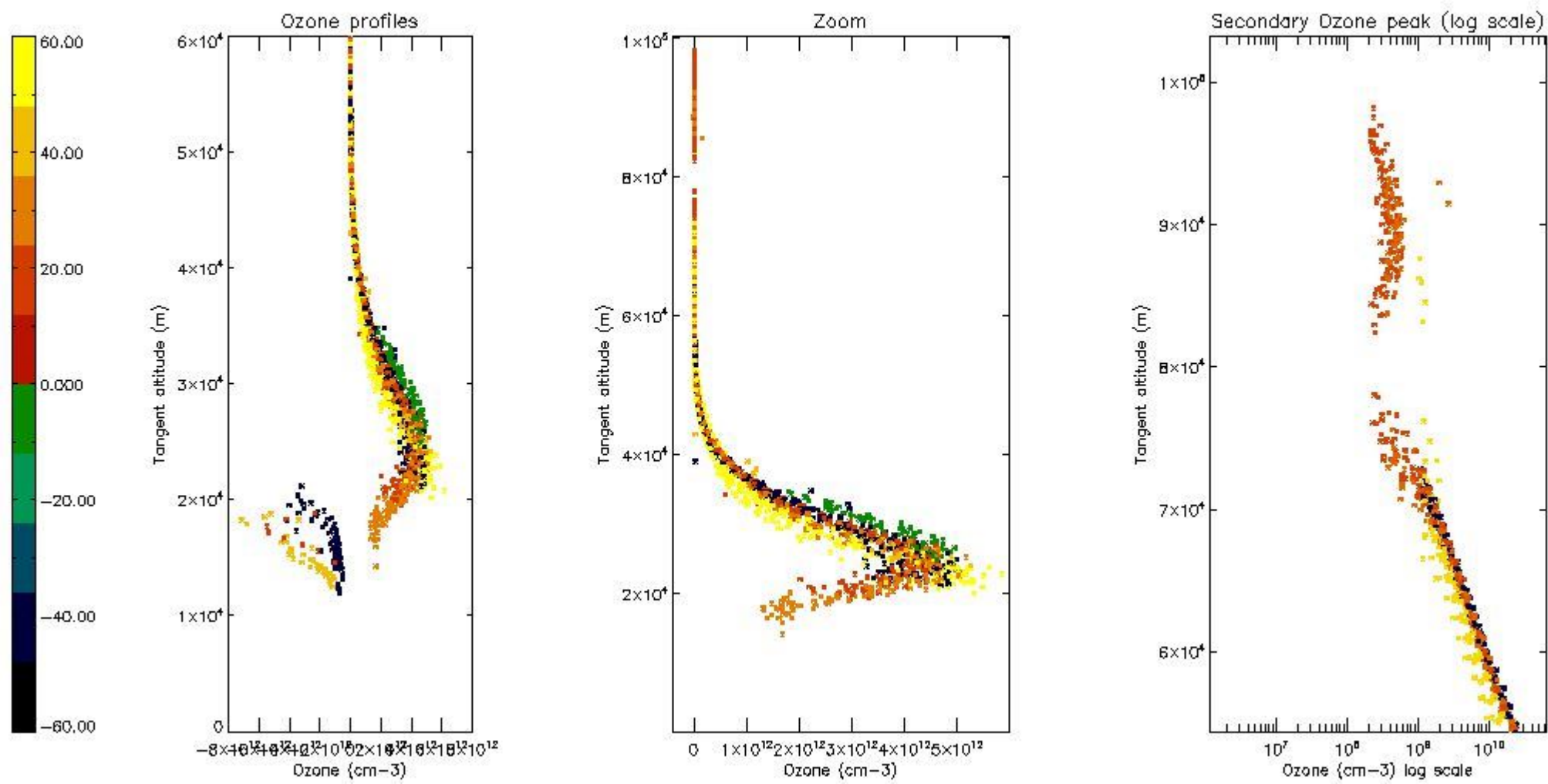
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



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

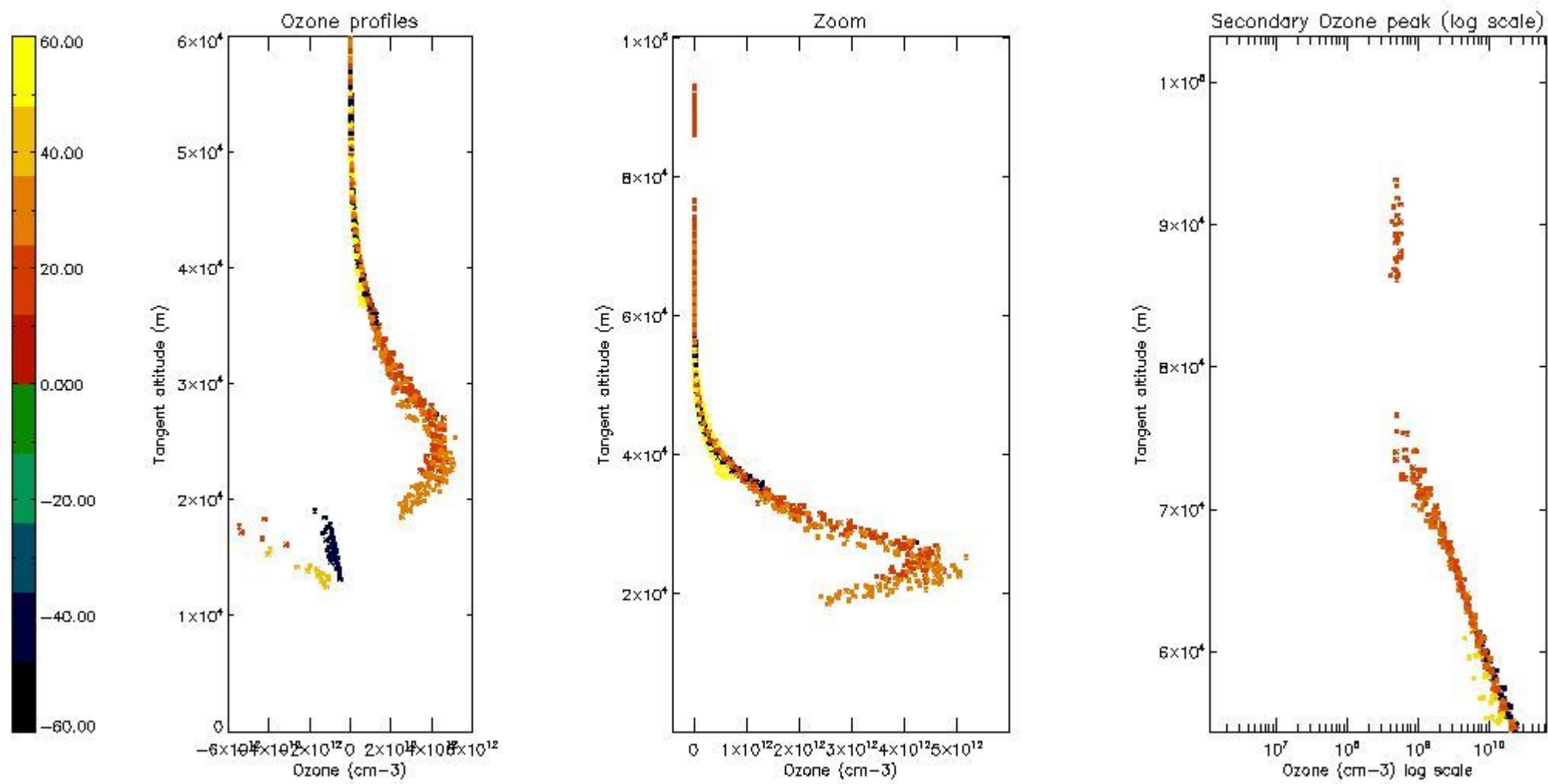
The colorbar represents the latitude.



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

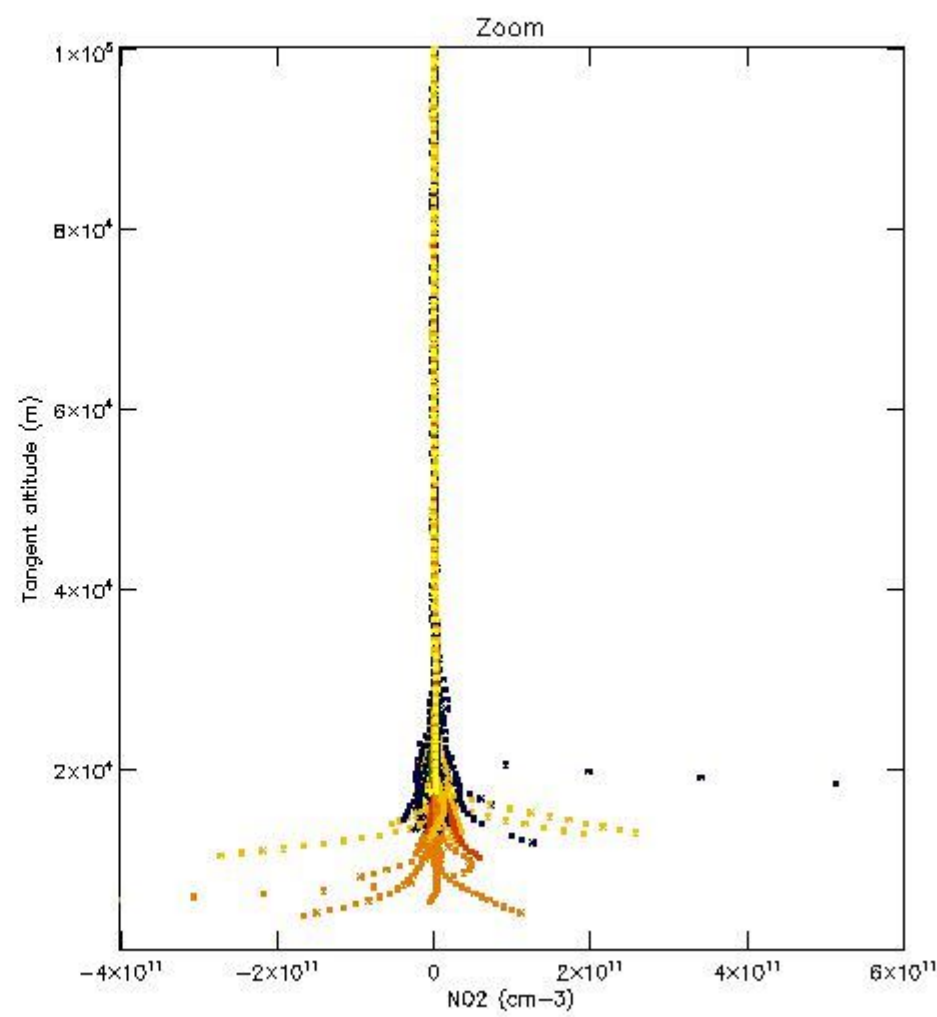
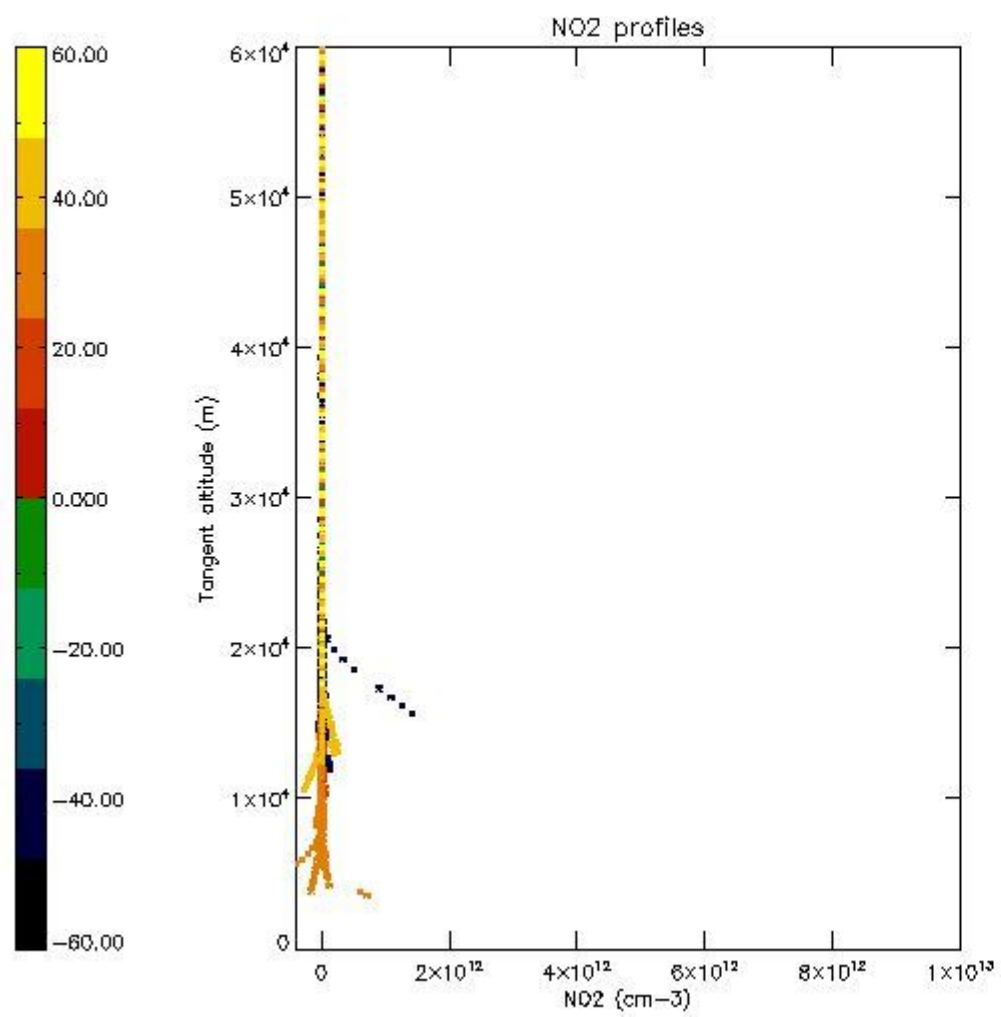
The colorbar represents the latitude.





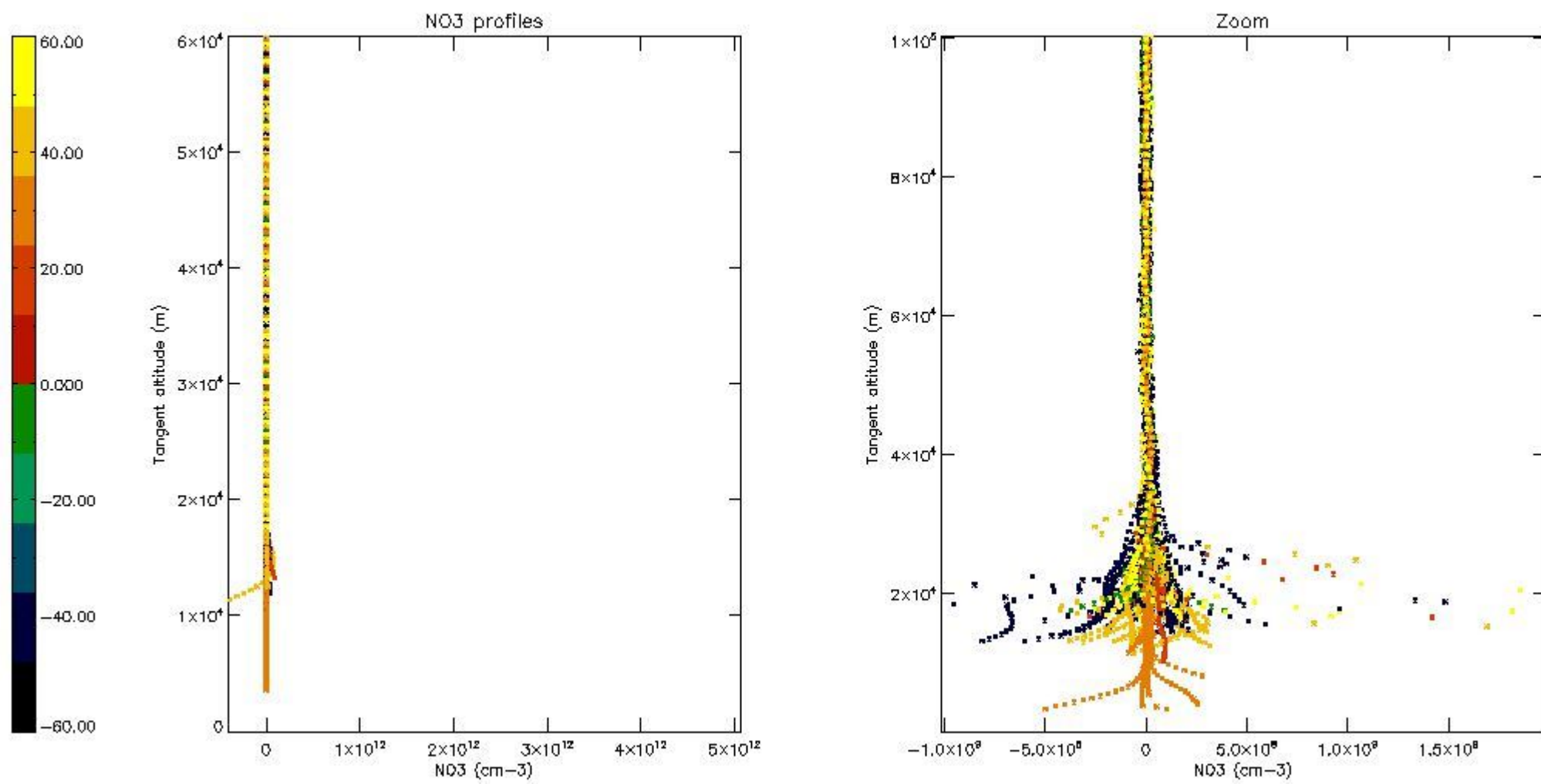
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



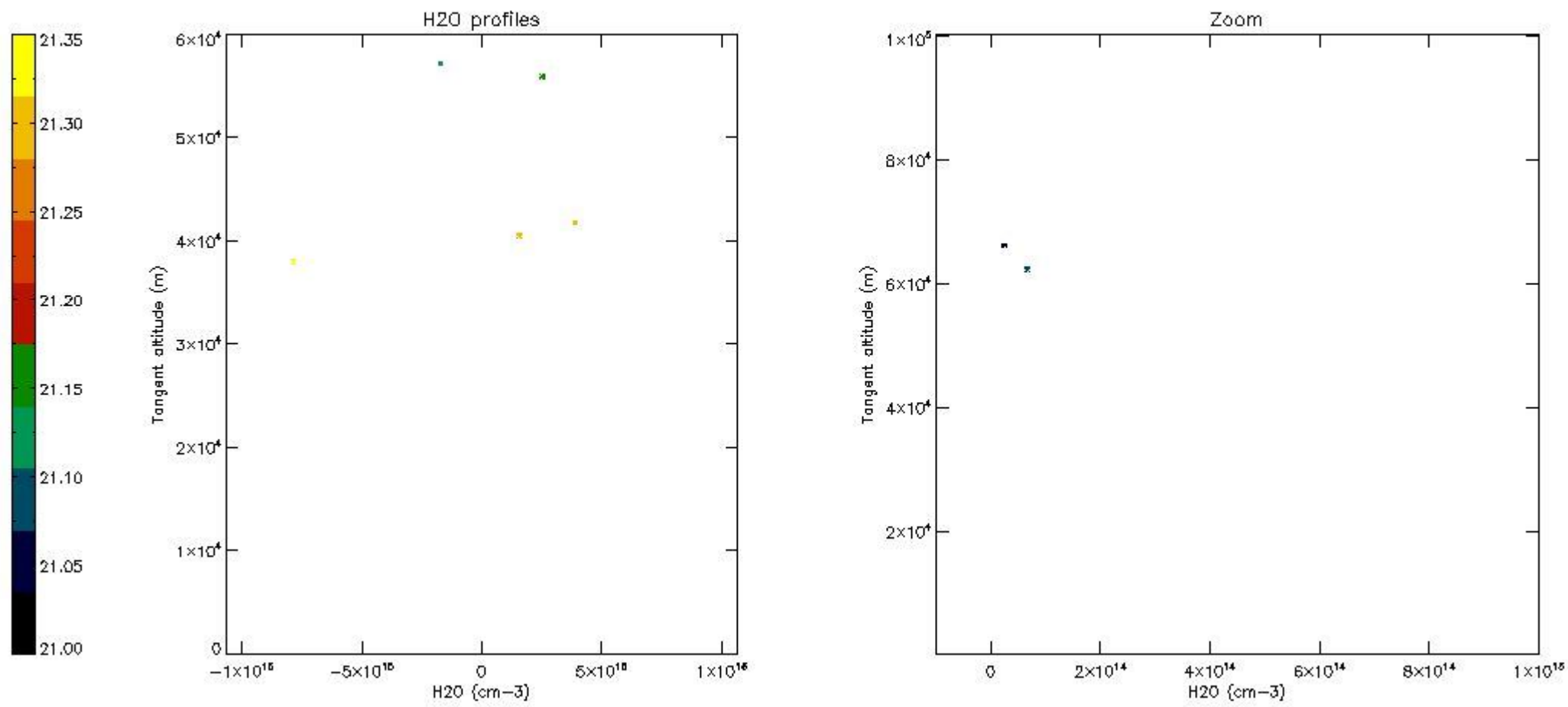
*5.7 Plot NO3 profiles for all STD (dark without errors)*

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                  | 05-DEC-2010 00:01:30    |
| LEVEL-2_PROC_CONFIG       | GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000 | 1                  | 05-DEC-2010 00:01:30    |
| CROSS_SECTIONS_FILE       | GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000 | 1                  | 05-DEC-2010 00:01:30    |

# 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 16:34:09              |
| Data source version       | GOMOS/6.01                      |
| Start time of products    | 05-12-2010 (05DEC2010 00:00:00) |
| Stop time of products     | 06-12-2010 (06DEC2010 00:00:00) |
| Store outputs in DB       | Yes                             |
| Nb of level 2 prods       | 321                             |
| Nb of prods with errors   | 12                              |

## 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__2PRFIN20101205_000130_000000623097_00117_45821_0295.N1 | 05-DEC-2010 00:01:30 | Dark       | 61.500   | 117     | Pi Pup    | 2.7060   | 3800.0    | 123     | 45821 | No          |
| 2  | GOM_NL__2PRFIN20101205_000541_000000463097_00117_45821_0296.N1 | 05-DEC-2010 00:05:41 | Dark       | 45.500   | 108     | Alp Col   | 2.6520   | 15200.    | 91      | 45821 | No          |
| 3  | GOM_NL__2PRFIN20101205_001108_000000523097_00117_45821_0297.N1 | 05-DEC-2010 00:11:08 | Straylight | 51.500   | 101     | 11Alp Lep | 2.5820   | 7000.0    | 103     | 45821 | No          |
| 4  | GOM_NL__2PRFIN20101205_001433_000000563097_00117_45821_0298.N1 | 05-DEC-2010 00:14:33 | Straylight | 55.500   | 7       | 19Bet Ori | 0.10000  | 14000.    | 111     | 45821 | No          |
| 5  | GOM_NL__2PRFIN20101205_001952_000000333097_00117_45821_0299.N1 | 05-DEC-2010 00:19:52 | Twilight   | 33.000   | 27      | 24Gam Ori | 1.6360   | 26000.    | 66      | 45821 | No          |
| 6  | GOM_NL__2PRFIN20101205_002218_000000603097_00117_45821_0300.N1 | 05-DEC-2010 00:22:18 | Bright     | 60.000   | 13      | 87Alp Tau | 0.86700  | 3800.0    | 120     | 45821 | No          |
| 7  | GOM_NL__2PRFIN20101205_002405_000000363097_00117_45821_0301.N1 | 05-DEC-2010 00:24:05 | Bright     | 36.000   | 146     | 25Eta Tau | 2.8730   | 15200.    | 72      | 45821 | No          |
| 8  | GOM_NL__2PRFIN20101205_002622_000000383097_00117_45821_0302.N1 | 05-DEC-2010 00:26:22 | Bright     | 37.500   | 150     | 44Zet Per | 2.8900   | 28000.    | 75      | 45821 | No          |
| 9  | GOM_NL__2PRFIN20101205_002755_000000433097_00117_45821_0303.N1 | 05-DEC-2010 00:27:55 | Bright     | 43.000   | 114     | 3Iot Aur  | 2.6930   | 4600.0    | 86      | 45821 | No          |
| 10 | GOM_NL__2PRFIN20101205_003050_000000363097_00117_45821_0304.N1 | 05-DEC-2010 00:30:50 | Bright     | 35.500   | 175     | 39Del Per | 3.0100   | 19400.    | 71      | 45821 | No          |
| 11 | GOM_NL__2PRFIN20101205_003214_000000483097_00117_45821_0305.N1 | 05-DEC-2010 00:32:14 | Bright     | 48.000   | 6       | 13Alp Aur | 0.080000 | 3400.0    | 96      | 45821 | No          |
| 12 | GOM_NL__2PRFIN20101205_004837_000000463097_00117_45821_0306.N1 | 05-DEC-2010 00:48:37 | Bright     | 46.000   | 36      | 50Alp UMa | 1.8000   | 6300.0    | 92      | 45821 | No          |
| 13 | GOM_NL__2PRFIN20101205_005010_000000483097_00117_45821_0307.N1 | 05-DEC-2010 00:50:10 | Bright     | 47.500   | 82      | 48Bet UMa | 2.3650   | 10600.    | 95      | 45821 | No          |
| 14 | GOM_NL__2PRFIN20101205_005205_000000403097_00117_45821_0308.N1 | 05-DEC-2010 00:52:05 | Bright     | 40.000   | 32      | 77Eps UMa | 1.7630   | 11000.    | 80      | 45821 | No          |
| 15 | GOM_NL__2PRFIN20101205_005416_000000373097_00117_45821_0309.N1 | 05-DEC-2010 00:54:16 | Bright     | 36.500   | 39      | 85Eta UMa | 1.8540   | 24000.    | 73      | 45821 | No          |
| 16 | GOM_NL__2PRFIN20101205_005745_000000413097_00117_45821_0310.N1 | 05-DEC-2010 00:57:45 | Bright     | 40.500   | 152     | 12Alp2CVn | 2.8900   | 11000.    | 81      | 45821 | No          |
| 17 | GOM_NL__2PRFIN20101205_010321_000000363097_00117_45821_0311.N1 | 05-DEC-2010 01:03:21 | Bright     | 36.000   | 111     | 8Eta Boo  | 2.6800   | 6000.0    | 72      | 45821 | No          |
| 18 | GOM_NL__2PRFIN20101205_010636_000000443097_00117_45821_0312.N1 | 05-DEC-2010 01:06:36 | Bright     | 44.000   | 138     | 47Eps Vir | 2.8280   | 4700.0    | 88      | 45821 | No          |
| 19 | GOM_NL__2PRFIN20101205_011107_000000503097_00117_45821_0313.N1 | 05-DEC-2010 01:11:07 | Bright     | 49.500   | 121     | 29Gam Vir | 2.7400   | 7200.0    | 99      | 45821 | No          |
| 20 | GOM_NL__2PRFIN20101205_011835_000000543097_00117_45821_0314.N1 | 05-DEC-2010 01:18:35 | Dark       | 53.500   | 171     | 2Eps Crv  | 3.0010   | 4250.0    | 107     | 45821 | Yes         |
| 21 | GOM_NL__2PRFIN20101205_014555_000000453097_00118_45822_0340.N1 | 05-DEC-2010 01:45:55 | Dark       | 44.500   | 108     | Alp Col   | 2.6520   | 15200.    | 89      | 45822 | No          |
| 22 | GOM_NL__2PRFIN20101205_015122_000000503097_00118_45822_0341.N1 | 05-DEC-2010 01:51:22 | Straylight | 49.500   | 101     | 11Alp Lep | 2.5820   | 7000.0    | 99      | 45822 | No          |
| 23 | GOM_NL__2PRFIN20101205_015447_000000623097_00118_45822_0342.N1 | 05-DEC-2010 01:54:47 | Straylight | 62.000   | 7       | 19Bet Ori | 0.10000  | 14000.    | 124     | 45822 | No          |
| 24 | GOM_NL__2PRFIN20101205_020006_000000403097_00118_45822_0343.N1 | 05-DEC-2010 02:00:06 | Twilight   | 39.500   | 27      | 24Gam Ori | 1.6360   | 26000.    | 79      | 45822 | No          |
| 25 | GOM_NL__2PRFIN20101205_020232_000000393097_00118_45822_0344.N1 | 05-DEC-2010 02:02:32 | Bright     | 38.500   | 13      | 87Alp Tau | 0.86700  | 3800.0    | 77      | 45822 | No          |
| 26 | GOM_NL__2PRFIN20101205_020418_000000383097_00118_45822_0345.N1 | 05-DEC-2010 02:04:18 | Bright     | 37.500   | 146     | 25Eta Tau | 2.8730   | 15200.    | 75      | 45822 | No          |
| 27 | GOM_NL__2PRFIN20101205_020636_000000203097_00118_45822_0346.N1 | 05-DEC-2010 02:06:36 | Twilight   | 20.000   | 150     | 44Zet Per | 2.8900   | 28000.    | 40      | 45822 | No          |
| 28 | GOM_NL__2PRFIN20101205_020808_000000453097_00118_45822_0347.N1 | 05-DEC-2010 02:08:08 | Dark       | 45.000   | 114     | 3Iot Aur  | 2.6930   | 4600.0    | 90      | 45822 | Yes         |
| 29 | GOM_NL__2PRFIN20101205_021104_000000093097_00118_45822_0348.N1 | 05-DEC-2010 02:11:04 | Straylight | 8.5000   | 175     | 39Del Per | 3.0100   | 19400.    | 17      | 45822 | No          |
| 30 | GOM_NL__2PRFIN20101205_021227_000000453097_00118_45822_0349.N1 | 05-DEC-2010 02:12:27 | Dark       | 44.500   | 6       | 13Alp Aur | 0.080000 | 3400.0    | 89      | 45822 | Yes         |
| 31 | GOM_NL__2PRFIN20101205_022850_000000293097_00118_45822_0350.N1 | 05-DEC-2010 02:28:50 | Twilight   | 28.500   | 36      | 50Alp UMa | 1.8000   | 6300.0    | 57      | 45822 | No          |
| 32 | GOM_NL__2PRFIN20101205_023024_000000443097_00118_45822_0351.N1 | 05-DEC-2010 02:30:24 | Bright     | 43.500   | 82      | 48Bet UMa | 2.3650   | 10600.    | 87      | 45822 | No          |
| 33 | GOM_NL__2PRFIN20101205_023219_000000423097_00118_45822_0352.N1 | 05-DEC-2010 02:32:19 | Bright     | 41.500   | 32      | 77Eps UMa | 1.7630   | 11000.    | 83      | 45822 | No          |
| 34 | GOM_NL__2PRFIN20101205_023430_000000493097_00118_45822_0353.N1 | 05-DEC-2010 02:34:30 | Bright     | 48.500   | 39      | 85Eta UMa | 1.8540   | 24000.    | 97      | 45822 | No          |
| 35 | GOM_NL__2PRFIN20101205_023800_000000423097_00118_45822_0354.N1 | 05-DEC-2010 02:38:00 | Dark       | 41.500   | 152     | 12Alp2CVn | 2.8900   | 11000.    | 83      | 45822 | Yes         |
| 36 | GOM_NL__2PRFIN20101205_024336_000000363097_00118_45822_0355.N1 | 05-DEC-2010 02:43:36 | Dark       | 36.000   | 111     | 8Eta Boo  | 2.6800   | 6000.0    | 72      | 45822 | Yes         |
| 37 | GOM_NL__2PRFIN20101205_024650_000000243097_00118_45822_0356.N1 | 05-DEC-2010 02:46:50 | Twilight   | 23.500   | 138     | 47Eps Vir | 2.8280   | 4700.0    | 47      | 45822 | No          |
| 38 | GOM_NL__2PRFIN20101205_025122_000000133097_00118_45822_0357.N1 | 05-DEC-2010 02:51:22 | Straylight | 13.000   | 121     | 29Gam Vir | 2.7400   | 7200.0    | 26      | 45822 | No          |
| 39 | GOM_NL__2PRFIN20101205_025850_000000113097_00118_45822_0358.N1 | 05-DEC-2010 02:58:50 | Dark       | 10.500   | 171     | 2Eps Crv  | 3.0010   | 4250.0    | 21      | 45822 | No          |
| 40 | GOM_NL__2PRFIN20101205_030813_000000133097_00119_45823_0357.N1 | 05-DEC-2010 03:08:13 | Dark       | 13.000   | 113     | Mu Vel    | 2.6920   | 5000.0    | 26      | 45823 | Yes         |
| 41 | GOM_NL__2PRFIN20101205_031651_000000513097_00119_45823_0358.N1 | 05-DEC-2010 03:16:51 | Dark       | 50.500   | 34      | Gam2Vel   | 1.7930   | 23000.    | 101     | 45823 | No          |
| 42 | GOM_NL__2PRFIN20101205_031952_000000583097_00119_45823_0359.N1 | 05-DEC-2010 03:19:52 | Dark       | 57.500   | 2       | Alp Car   | -0.73600 | 7000.0    | 115     | 45823 | No          |







|     |  |                      |                |        |     |           |          |        |     |       |    |
|-----|--|----------------------|----------------|--------|-----|-----------|----------|--------|-----|-------|----|
| 161 | GOM_NL__2PRFIN20101205_124817_000000623097_00124_45828_0538.N1 | 05-DEC-2010 12:48:17 | Bright         | 62.000 | 138 | 47Eps Vir | 2.8280   | 4700.0 | 124 | 45828 | No |
| 162 | GOM_NL__2PRFIN20101205_125250_000000543097_00124_45828_0539.N1 | 05-DEC-2010 12:52:50 | Bright         | 53.500 | 121 | 29Gam Vir | 2.7400   | 7200.0 | 107 | 45828 | No |
| 163 | GOM_NL__2PRFIN20101205_125844_000000493097_00124_45828_0540.N1 | 05-DEC-2010 12:58:44 | Dark           | 48.500 | 100 | 4Gam Crv  | 2.5800   | 13100. | 97  | 45828 | No |
| 164 | GOM_NL__2PRFIN20101205_130020_000000533097_00124_45828_0541.N1 | 05-DEC-2010 13:00:20 | Dark           | 53.000 | 171 | 2Eps Crv  | 3.0010   | 4250.0 | 106 | 45828 | No |
| 165 | GOM_NL__2PRFIN20101205_130942_000000443097_00125_45829_0549.N1 | 05-DEC-2010 13:09:42 | Dark           | 44.000 | 113 | Mu Vel    | 2.6920   | 5000.0 | 88  | 45829 | No |
| 166 | GOM_NL__2PRFIN20101205_131820_000000483097_00125_45829_0550.N1 | 05-DEC-2010 13:18:20 | Dark           | 47.500 | 34  | Gam2Vel   | 1.7930   | 23000. | 95  | 45829 | No |
| 167 | GOM_NL__2PRFIN20101205_132119_000000583097_00125_45829_0551.N1 | 05-DEC-2010 13:21:19 | Dark           | 58.000 | 2   | Alp Car   | -0.73600 | 7000.0 | 116 | 45829 | No |
| 168 | GOM_NL__2PRFIN20101205_132328_000000593097_00125_45829_0552.N1 | 05-DEC-2010 13:23:28 | Dark           | 59.000 | 117 | Pi Pup    | 2.7060   | 3800.0 | 118 | 45829 | No |
| 169 | GOM_NL__2PRFIN20101205_132736_000000433097_00125_45829_0553.N1 | 05-DEC-2010 13:27:36 | Dark           | 43.000 | 108 | Alp Col   | 2.6520   | 15200. | 86  | 45829 | No |
| 170 | GOM_NL__2PRFIN20101205_133301_000000513097_00125_45829_0554.N1 | 05-DEC-2010 13:33:01 | Straylight     | 51.000 | 101 | 11Alp Lep | 2.5820   | 7000.0 | 102 | 45829 | No |
| 171 | GOM_NL__2PRFIN20101205_133625_000000563097_00125_45829_0555.N1 | 05-DEC-2010 13:36:25 | Straylight     | 55.500 | 7   | 19Bet Ori | 0.10000  | 14000. | 111 | 45829 | No |
| 172 | GOM_NL__2PRFIN20101205_133923_000000453097_00125_45829_0556.N1 | 05-DEC-2010 13:39:23 | Tw_i_and_stray | 45.000 | 72  | 34Del Ori | 2.2500   | 30000. | 90  | 45829 | No |
| 173 | GOM_NL__2PRFIN20101205_134142_000000583097_00125_45829_0557.N1 | 05-DEC-2010 13:41:42 | Tw_i_and_stray | 58.000 | 27  | 24Gam Ori | 1.6360   | 26000. | 116 | 45829 | No |
| 174 | GOM_NL__2PRFIN20101205_134408_000000603097_00125_45829_0558.N1 | 05-DEC-2010 13:44:08 | Bright         | 60.000 | 13  | 87Alp Tau | 0.86700  | 3800.0 | 120 | 45829 | No |
| 175 | GOM_NL__2PRFIN20101205_134556_000000383097_00125_45829_0559.N1 | 05-DEC-2010 13:45:56 | Bright         | 37.500 | 146 | 25Eta Tau | 2.8730   | 15200. | 75  | 45829 | No |
| 176 | GOM_NL__2PRFIN20101205_134813_000000383097_00125_45829_0560.N1 | 05-DEC-2010 13:48:13 | Bright         | 37.500 | 150 | 44Zet Per | 2.8900   | 28000. | 75  | 45829 | No |
| 177 | GOM_NL__2PRFIN20101205_134943_000000453097_00125_45829_0561.N1 | 05-DEC-2010 13:49:43 | Bright         | 44.500 | 114 | 3lot Aur  | 2.6930   | 4600.0 | 89  | 45829 | No |
| 178 | GOM_NL__2PRFIN20101205_135241_000000363097_00125_45829_0562.N1 | 05-DEC-2010 13:52:41 | Bright         | 36.000 | 175 | 39Del Per | 3.0100   | 19400. | 72  | 45829 | No |
| 179 | GOM_NL__2PRFIN20101205_135401_000000483097_00125_45829_0563.N1 | 05-DEC-2010 13:54:01 | Bright         | 47.500 | 6   | 13Alp Aur | 0.080000 | 3400.0 | 95  | 45829 | No |
| 180 | GOM_NL__2PRFIN20101205_141026_000000463097_00125_45829_0564.N1 | 05-DEC-2010 14:10:26 | Bright         | 46.000 | 36  | 50Alp UMa | 1.8000   | 6300.0 | 92  | 45829 | No |
| 181 | GOM_NL__2PRFIN20101205_141159_000000473097_00125_45829_0565.N1 | 05-DEC-2010 14:11:59 | Bright         | 47.000 | 82  | 48Bet UMa | 2.3650   | 10600. | 94  | 45829 | No |
| 182 | GOM_NL__2PRFIN20101205_141356_000000403097_00125_45829_0566.N1 | 05-DEC-2010 14:13:56 | Bright         | 39.500 | 32  | 77Eps UMa | 1.7630   | 11000. | 79  | 45829 | No |
| 183 | GOM_NL__2PRFIN20101205_141609_000000553097_00125_45829_0567.N1 | 05-DEC-2010 14:16:09 | Bright         | 55.000 | 39  | 85Eta UMa | 1.8540   | 24000. | 110 | 45829 | No |
| 184 | GOM_NL__2PRFIN20101205_141938_000000423097_00125_45829_0568.N1 | 05-DEC-2010 14:19:38 | Bright         | 42.000 | 152 | 12Alp2CVn | 2.8900   | 11000. | 84  | 45829 | No |
| 185 | GOM_NL__2PRFIN20101205_142515_000000363097_00125_45829_0569.N1 | 05-DEC-2010 14:25:15 | Bright         | 36.000 | 111 | 8Eta Boo  | 2.6800   | 6000.0 | 72  | 45829 | No |
| 186 | GOM_NL__2PRFIN20101205_142831_000000623097_00125_45829_0570.N1 | 05-DEC-2010 14:28:31 | Bright         | 62.000 | 138 | 47Eps Vir | 2.8280   | 4700.0 | 124 | 45829 | No |
| 187 | GOM_NL__2PRFIN20101205_143305_000000553097_00125_45829_0571.N1 | 05-DEC-2010 14:33:05 | Bright         | 55.000 | 121 | 29Gam Vir | 2.7400   | 7200.0 | 110 | 45829 | No |
| 188 | GOM_NL__2PRFIN20101205_143859_000000513097_00125_45829_0572.N1 | 05-DEC-2010 14:38:59 | Dark           | 50.500 | 100 | 4Gam Crv  | 2.5800   | 13100. | 101 | 45829 | No |
| 189 | GOM_NL__2PRFIN20101205_144035_000000513097_00125_45829_0573.N1 | 05-DEC-2010 14:40:35 | Dark           | 51.000 | 171 | 2Eps Crv  | 3.0010   | 4250.0 | 102 | 45829 | No |
| 190 | GOM_NL__2PRFIN20101205_144957_000000453097_00126_45830_0587.N1 | 05-DEC-2010 14:49:57 | Dark           | 44.500 | 113 | Mu Vel    | 2.6920   | 5000.0 | 89  | 45830 | No |
| 191 | GOM_NL__2PRFIN20101205_145835_000000493097_00126_45830_0588.N1 | 05-DEC-2010 14:58:35 | Dark           | 48.500 | 34  | Gam2Vel   | 1.7930   | 23000. | 97  | 45830 | No |
| 192 | GOM_NL__2PRFIN20101205_150134_000000553097_00126_45830_0589.N1 | 05-DEC-2010 15:01:34 | Dark           | 55.000 | 2   | Alp Car   | -0.73600 | 7000.0 | 110 | 45830 | No |
| 193 | GOM_NL__2PRFIN20101205_150343_000000633097_00126_45830_0590.N1 | 05-DEC-2010 15:03:43 | Dark           | 63.000 | 117 | Pi Pup    | 2.7060   | 3800.0 | 126 | 45830 | No |
| 194 | GOM_NL__2PRFIN20101205_150750_000000433097_00126_45830_0591.N1 | 05-DEC-2010 15:07:50 | Dark           | 42.500 | 108 | Alp Col   | 2.6520   | 15200. | 85  | 45830 | No |
| 195 | GOM_NL__2PRFIN20101205_151316_000000533097_00126_45830_0592.N1 | 05-DEC-2010 15:13:16 | Straylight     | 53.000 | 101 | 11Alp Lep | 2.5820   | 7000.0 | 106 | 45830 | No |
| 196 | GOM_NL__2PRFIN20101205_151639_000000643097_00126_45830_0593.N1 | 05-DEC-2010 15:16:39 | Straylight     | 64.000 | 7   | 19Bet Ori | 0.10000  | 14000. | 128 | 45830 | No |
| 197 | GOM_NL__2PRFIN20101205_151937_000000523097_00126_45830_0594.N1 | 05-DEC-2010 15:19:37 | Tw_i_and_stray | 52.000 | 72  | 34Del Ori | 2.2500   | 30000. | 104 | 45830 | No |
| 198 | GOM_NL__2PRFIN20101205_152155_000000583097_00126_45830_0595.N1 | 05-DEC-2010 15:21:55 | Tw_i_and_stray | 58.000 | 27  | 24Gam Ori | 1.6360   | 26000. | 116 | 45830 | No |
| 199 | GOM_NL__2PRFIN20101205_152422_000000593097_00126_45830_0596.N1 | 05-DEC-2010 15:24:22 | Bright         | 58.500 | 13  | 87Alp Tau | 0.86700  | 3800.0 | 117 | 45830 | No |
| 200 | GOM_NL__2PRFIN20101205_152610_000000383097_00126_45830_0597.N1 | 05-DEC-2010 15:26:10 | Bright         | 37.500 | 146 | 25Eta Tau | 2.8730   | 15200. | 75  | 45830 | No |
| 201 | GOM_NL__2PRFIN20101205_152827_000000393097_00126_45830_0598.N1 | 05-DEC-2010 15:28:27 | Bright         | 38.500 | 150 | 44Zet Per | 2.8900   | 28000. | 77  | 45830 | No |
| 202 | GOM_NL__2PRFIN20101205_152957_000000453097_00126_45830_0599.N1 | 05-DEC-2010 15:29:57 | Bright         | 44.500 | 114 | 3lot Aur  | 2.6930   | 4600.0 | 89  | 45830 | No |
| 203 | GOM_NL__2PRFIN20101205_155039_000000473097_00126_45830_0600.N1 | 05-DEC-2010 15:50:39 | Bright         | 47.000 | 36  | 50Alp UMa | 1.8000   | 6300.0 | 94  | 45830 | No |
| 204 | GOM_NL__2PRFIN20101205_155213_000000493097_00126_45830_0601.N1 | 05-DEC-2010 15:52:13 | Bright         | 48.500 | 82  | 48Bet UMa | 2.3650   | 10600. | 97  | 45830 | No |
| 205 | GOM_NL__2PRFIN20101205_155410_000000413097_00126_45830_0602.N1 | 05-DEC-2010 15:54:10 | Bright         | 40.500 | 32  | 77Eps UMa | 1.7630   | 11000. | 81  | 45830 | No |
| 206 | GOM_NL__2PRFIN20101205_155623_000000373097_00126_45830_0603.N1 | 05-DEC-2010 15:56:23 | Bright         | 37.000 | 39  | 85Eta UMa | 1.8540   | 24000. | 74  | 45830 | No |
| 207 | GOM_NL__2PRFIN20101205_155952_000000413097_00126_45830_0604.N1 | 05-DEC-2010 15:59:52 | Bright         | 41.000 | 152 | 12Alp2CVn | 2.8900   | 11000. | 82  | 45830 | No |
| 208 | GOM_NL__2PRFIN20101205_160530_000000373097_00126_45830_0605.N1 | 05-DEC-2010 16:05:30 | Bright         | 37.000 | 111 | 8Eta Boo  | 2.6800   | 6000.0 | 74  | 45830 | No |
| 209 | GOM_NL__2PRFIN20101205_160846_000000503097_00126_45830_0606.N1 | 05-DEC-2010 16:08:46 | Bright         | 49.500 | 138 | 47Eps Vir | 2.8280   | 4700.0 | 99  | 45830 | No |
| 210 | GOM_NL__2PRFIN20101205_161320_000000543097_00126_45830_0607.N1 | 05-DEC-2010 16:13:20 | Bright         | 54.000 | 121 | 29Gam Vir | 2.7400   | 7200.0 | 108 | 45830 | No |
| 211 | GOM_NL__2PRFIN20101205_161914_000000513097_00126_45830_0608.N1 | 05-DEC-2010 16:19:14 | Dark           | 50.500 | 100 | 4Gam Crv  | 2.5800   | 13100. | 101 | 45830 | No |
| 212 | GOM_NL__2PRFIN20101205_162050_000000523097_00126_45830_0609.N1 | 05-DEC-2010 16:20:50 | Dark           | 52.000 | 171 | 2Eps Crv  | 3.0010   | 4250.0 | 104 | 45830 | No |
| 213 | GOM_NL__2PRFIN20101205_163012_000000443097_00127_45831_0618.N1 | 05-DEC-2010 16:30:12 | Dark           | 44.000 | 113 | Mu Vel    | 2.6920   | 5000.0 | 88  | 45831 | No |
| 214 | GOM_NL__2PRFIN20101205_163850_000000503097_00127_45831_0619.N1 | 05-DEC-2010 16:38:50 | Dark           | 50.000 | 34  | Gam2Vel   | 1.7930   | 23000. | 100 | 45831 | No |
| 215 | GOM_NL__2PRFIN20101205_164148_000000513097_00127_45831_0620.N1 | 05-DEC-2010 16:41:48 | Dark           | 51.000 | 2   | Alp Car   | -0.73600 | 7000.0 | 102 | 45831 | No |
| 216 | GOM_NL__2PRFIN20101205_164358_000000573097_00127_45831_0621.N1 | 05-DEC-2010 16:43:58 | Dark           | 57.000 | 117 | Pi Pup    | 2.7060   | 3800.0 | 114 | 45831 | No |
| 217 | GOM_NL__2PRFIN20101205_164805_000000453097_00127_45831_0622.N1 | 05-DEC-2010 16:48:05 | Dark           | 45.000 | 108 | Alp Col   | 2.6520   | 15200. | 90  | 45831 | No |
| 218 | GOM_NL__2PRFIN20101205_165330_000000543097_00127_45831_0623.N1 | 05-DEC-2010 16:53:30 | Straylight     | 53.500 | 101 | 11Alp Lep | 2.5820   | 7000.0 | 107 | 45831 | No |
| 219 | GOM_NL__2PRFIN20101205_165653_000000593097_00127_45831_0624.N1 | 05-DEC-2010 16:56:53 | Straylight     | 58.500 | 7   | 19Bet Ori | 0.10000  | 14000. | 117 | 45831 | No |

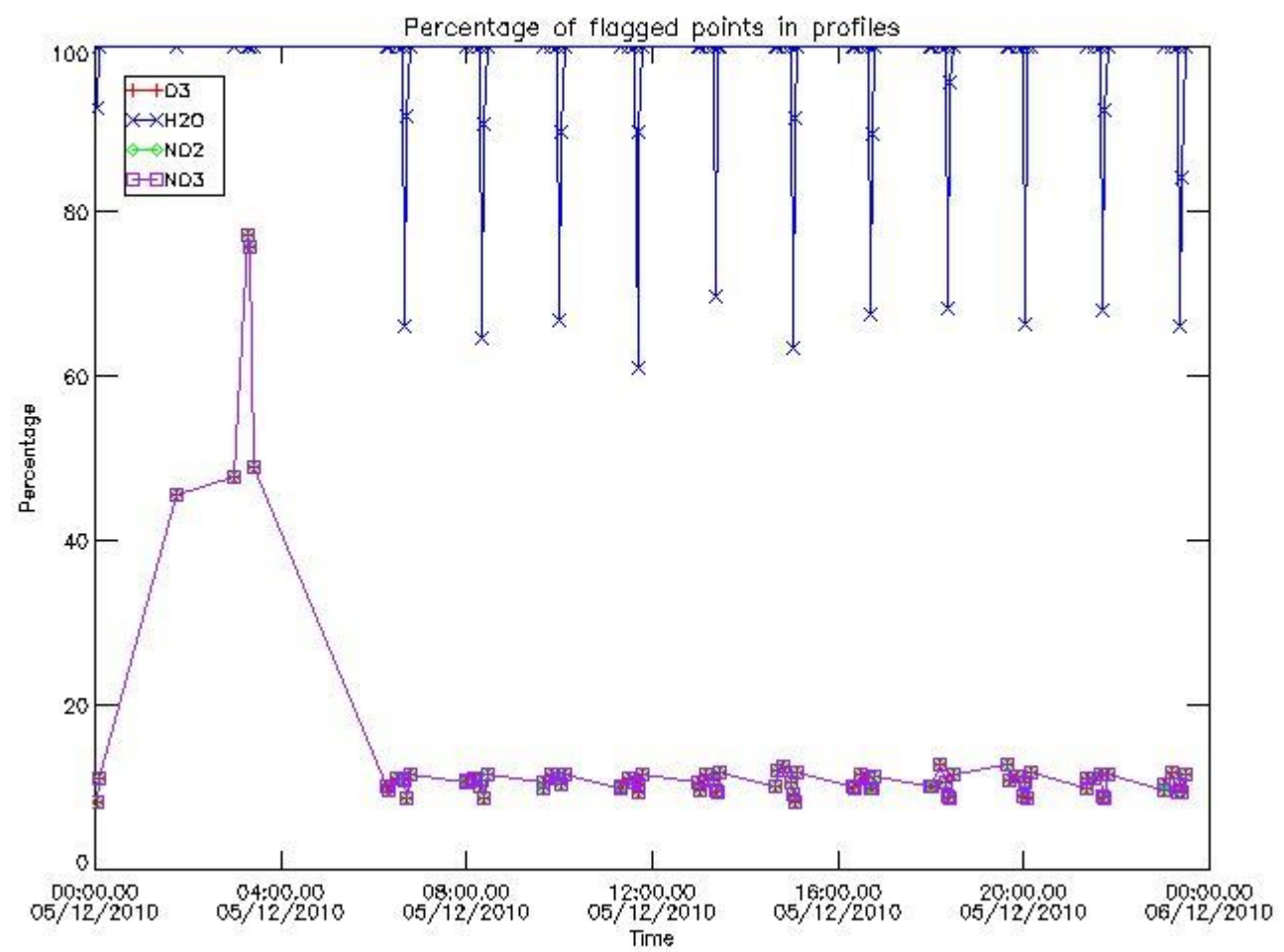
|     |  |                      |            |        |     |           |          |        |     |       |    |
|-----|--|----------------------|------------|--------|-----|-----------|----------|--------|-----|-------|----|
| 220 | GOM_NL__2PRFIN20101205_165951_000000523097_00127_45831_0625.N1 | 05-DEC-2010 16:59:51 | Twilight   | 52.000 | 72  | 34Del Ori | 2.2500   | 30000. | 104 | 45831 | No |
| 221 | GOM_NL__2PRFIN20101205_170209_000000563097_00127_45831_0626.N1 | 05-DEC-2010 17:02:09 | Twilight   | 56.000 | 27  | 24Gam Ori | 1.6360   | 26000. | 112 | 45831 | No |
| 222 | GOM_NL__2PRFIN20101205_170436_000000603097_00127_45831_0627.N1 | 05-DEC-2010 17:04:36 | Bright     | 60.000 | 13  | 87Alp Tau | 0.86700  | 3800.0 | 120 | 45831 | No |
| 223 | GOM_NL__2PRFIN20101205_170624_000000393097_00127_45831_0628.N1 | 05-DEC-2010 17:06:24 | Bright     | 38.500 | 146 | 25Eta Tau | 2.8730   | 15200. | 77  | 45831 | No |
| 224 | GOM_NL__2PRFIN20101205_170841_000000383097_00127_45831_0629.N1 | 05-DEC-2010 17:08:41 | Bright     | 38.000 | 150 | 44Zet Per | 2.8900   | 28000. | 76  | 45831 | No |
| 225 | GOM_NL__2PRFIN20101205_171011_000000453097_00127_45831_0630.N1 | 05-DEC-2010 17:10:11 | Bright     | 44.500 | 114 | 31ot Aur  | 2.6930   | 4600.0 | 89  | 45831 | No |
| 226 | GOM_NL__2PRFIN20101205_173053_000000473097_00127_45831_0631.N1 | 05-DEC-2010 17:30:53 | Bright     | 47.000 | 36  | 50Alp UMa | 1.8000   | 6300.0 | 94  | 45831 | No |
| 227 | GOM_NL__2PRFIN20101205_173226_000000453097_00127_45831_0632.N1 | 05-DEC-2010 17:32:26 | Bright     | 45.000 | 82  | 48Bet UMa | 2.3650   | 10600. | 90  | 45831 | No |
| 228 | GOM_NL__2PRFIN20101205_173424_000000383097_00127_45831_0633.N1 | 05-DEC-2010 17:34:24 | Bright     | 38.000 | 32  | 77Eps UMa | 1.7630   | 11000. | 76  | 45831 | No |
| 229 | GOM_NL__2PRFIN20101205_173637_000000393097_00127_45831_0634.N1 | 05-DEC-2010 17:36:37 | Bright     | 39.000 | 39  | 85Eta UMa | 1.8540   | 24000. | 78  | 45831 | No |
| 230 | GOM_NL__2PRFIN20101205_174006_000000413097_00127_45831_0635.N1 | 05-DEC-2010 17:40:06 | Bright     | 41.000 | 152 | 12Alp2CVn | 2.8900   | 11000. | 82  | 45831 | No |
| 231 | GOM_NL__2PRFIN20101205_174544_000000373097_00127_45831_0636.N1 | 05-DEC-2010 17:45:44 | Bright     | 36.500 | 111 | 8Eta Boo  | 2.6800   | 6000.0 | 73  | 45831 | No |
| 232 | GOM_NL__2PRFIN20101205_174900_000000623097_00127_45831_0637.N1 | 05-DEC-2010 17:49:00 | Bright     | 62.000 | 138 | 47Eps Vir | 2.8280   | 4700.0 | 124 | 45831 | No |
| 233 | GOM_NL__2PRFIN20101205_175335_000000533097_00127_45831_0638.N1 | 05-DEC-2010 17:53:35 | Bright     | 52.500 | 121 | 29Gam Vir | 2.7400   | 7200.0 | 105 | 45831 | No |
| 234 | GOM_NL__2PRFIN20101205_175929_000000503097_00127_45831_0639.N1 | 05-DEC-2010 17:59:29 | Dark       | 50.000 | 100 | 4Gam Crv  | 2.5800   | 13100. | 100 | 45831 | No |
| 235 | GOM_NL__2PRFIN20101205_180105_000000503097_00127_45831_0640.N1 | 05-DEC-2010 18:01:05 | Dark       | 50.000 | 171 | 2Eps Crv  | 3.0010   | 4250.0 | 100 | 45831 | No |
| 236 | GOM_NL__2PRFIN20101205_181026_000000443097_00128_45832_0658.N1 | 05-DEC-2010 18:10:26 | Dark       | 44.000 | 113 | Mu Vel    | 2.6920   | 5000.0 | 88  | 45832 | No |
| 237 | GOM_NL__2PRFIN20101205_181905_000000493097_00128_45832_0659.N1 | 05-DEC-2010 18:19:05 | Dark       | 48.500 | 34  | Gam2Vel   | 1.7930   | 23000. | 97  | 45832 | No |
| 238 | GOM_NL__2PRFIN20101205_182203_000000573097_00128_45832_0660.N1 | 05-DEC-2010 18:22:03 | Dark       | 57.000 | 2   | Alp Car   | -0.73600 | 7000.0 | 114 | 45832 | No |
| 239 | GOM_NL__2PRFIN20101205_182413_000000593097_00128_45832_0661.N1 | 05-DEC-2010 18:24:13 | Dark       | 59.000 | 117 | Pi Pup    | 2.7060   | 3800.0 | 118 | 45832 | No |
| 240 | GOM_NL__2PRFIN20101205_182819_000000453097_00128_45832_0662.N1 | 05-DEC-2010 18:28:19 | Dark       | 44.500 | 108 | Alp Col   | 2.6520   | 15200. | 89  | 45832 | No |
| 241 | GOM_NL__2PRFIN20101205_183344_000000533097_00128_45832_0663.N1 | 05-DEC-2010 18:33:44 | Straylight | 52.500 | 101 | 11Alp Lep | 2.5820   | 7000.0 | 105 | 45832 | No |
| 242 | GOM_NL__2PRFIN20101205_183707_000000573097_00128_45832_0664.N1 | 05-DEC-2010 18:37:07 | Straylight | 57.000 | 7   | 19Bet Ori | 0.10000  | 14000. | 114 | 45832 | No |
| 243 | GOM_NL__2PRFIN20101205_184005_000000533097_00128_45832_0665.N1 | 05-DEC-2010 18:40:05 | Twilight   | 52.500 | 72  | 34Del Ori | 2.2500   | 30000. | 105 | 45832 | No |
| 244 | GOM_NL__2PRFIN20101205_184223_000000563097_00128_45832_0666.N1 | 05-DEC-2010 18:42:23 | Twilight   | 56.000 | 27  | 24Gam Ori | 1.6360   | 26000. | 112 | 45832 | No |
| 245 | GOM_NL__2PRFIN20101205_184449_000000603097_00128_45832_0667.N1 | 05-DEC-2010 18:44:49 | Bright     | 60.000 | 13  | 87Alp Tau | 0.86700  | 3800.0 | 120 | 45832 | No |
| 246 | GOM_NL__2PRFIN20101205_184638_000000393097_00128_45832_0668.N1 | 05-DEC-2010 18:46:38 | Bright     | 38.500 | 146 | 25Eta Tau | 2.8730   | 15200. | 77  | 45832 | No |
| 247 | GOM_NL__2PRFIN20101205_184855_000000383097_00128_45832_0669.N1 | 05-DEC-2010 18:48:55 | Bright     | 37.500 | 150 | 44Zet Per | 2.8900   | 28000. | 75  | 45832 | No |
| 248 | GOM_NL__2PRFIN20101205_185024_000000433097_00128_45832_0670.N1 | 05-DEC-2010 18:50:24 | Bright     | 43.000 | 114 | 31ot Aur  | 2.6930   | 4600.0 | 86  | 45832 | No |
| 249 | GOM_NL__2PRFIN20101205_185323_000000373097_00128_45832_0671.N1 | 05-DEC-2010 18:53:23 | Bright     | 37.000 | 175 | 39Del Per | 3.0100   | 19400. | 74  | 45832 | No |
| 250 | GOM_NL__2PRFIN20101205_191107_000000473097_00128_45832_0672.N1 | 05-DEC-2010 19:11:07 | Bright     | 47.000 | 36  | 50Alp UMa | 1.8000   | 6300.0 | 94  | 45832 | No |
| 251 | GOM_NL__2PRFIN20101205_191240_000000473097_00128_45832_0673.N1 | 05-DEC-2010 19:12:40 | Bright     | 47.000 | 82  | 48Bet UMa | 2.3650   | 10600. | 94  | 45832 | No |
| 252 | GOM_NL__2PRFIN20101205_191438_000000393097_00128_45832_0674.N1 | 05-DEC-2010 19:14:38 | Bright     | 38.500 | 32  | 77Eps UMa | 1.7630   | 11000. | 77  | 45832 | No |
| 253 | GOM_NL__2PRFIN20101205_191651_000000373097_00128_45832_0675.N1 | 05-DEC-2010 19:16:51 | Bright     | 36.500 | 39  | 85Eta UMa | 1.8540   | 24000. | 73  | 45832 | No |
| 254 | GOM_NL__2PRFIN20101205_192020_000000433097_00128_45832_0676.N1 | 05-DEC-2010 19:20:20 | Bright     | 42.500 | 152 | 12Alp2CVn | 2.8900   | 11000. | 85  | 45832 | No |
| 255 | GOM_NL__2PRFIN20101205_192558_000000373097_00128_45832_0677.N1 | 05-DEC-2010 19:25:58 | Bright     | 37.000 | 111 | 8Eta Boo  | 2.6800   | 6000.0 | 74  | 45832 | No |
| 256 | GOM_NL__2PRFIN20101205_192915_000000633097_00128_45832_0678.N1 | 05-DEC-2010 19:29:15 | Bright     | 63.000 | 138 | 47Eps Vir | 2.8280   | 4700.0 | 126 | 45832 | No |
| 257 | GOM_NL__2PRFIN20101205_193350_000000563097_00128_45832_0679.N1 | 05-DEC-2010 19:33:50 | Bright     | 56.000 | 121 | 29Gam Vir | 2.7400   | 7200.0 | 112 | 45832 | No |
| 258 | GOM_NL__2PRFIN20101205_193944_000000483097_00128_45832_0680.N1 | 05-DEC-2010 19:39:44 | Dark       | 48.000 | 100 | 4Gam Crv  | 2.5800   | 13100. | 96  | 45832 | No |
| 259 | GOM_NL__2PRFIN20101205_194120_000000523097_00128_45832_0681.N1 | 05-DEC-2010 19:41:20 | Dark       | 51.500 | 171 | 2Eps Crv  | 3.0010   | 4250.0 | 103 | 45832 | No |
| 260 | GOM_NL__2PRFIN20101205_195041_000000453097_00129_45833_0717.N1 | 05-DEC-2010 19:50:41 | Dark       | 45.000 | 113 | Mu Vel    | 2.6920   | 5000.0 | 90  | 45833 | No |
| 261 | GOM_NL__2PRFIN20101205_195920_000000573097_00129_45833_0718.N1 | 05-DEC-2010 19:59:20 | Dark       | 57.000 | 34  | Gam2Vel   | 1.7930   | 23000. | 114 | 45833 | No |
| 262 | GOM_NL__2PRFIN20101205_200217_000000483097_00129_45833_0719.N1 | 05-DEC-2010 20:02:17 | Dark       | 48.000 | 2   | Alp Car   | -0.73600 | 7000.0 | 96  | 45833 | No |
| 263 | GOM_NL__2PRFIN20101205_200428_000000583097_00129_45833_0720.N1 | 05-DEC-2010 20:04:28 | Dark       | 58.000 | 117 | Pi Pup    | 2.7060   | 3800.0 | 116 | 45833 | No |
| 264 | GOM_NL__2PRFIN20101205_200834_000000443097_00129_45833_0721.N1 | 05-DEC-2010 20:08:34 | Dark       | 43.500 | 108 | Alp Col   | 2.6520   | 15200. | 87  | 45833 | No |
| 265 | GOM_NL__2PRFIN20101205_201358_000000533097_00129_45833_0722.N1 | 05-DEC-2010 20:13:58 | Straylight | 53.000 | 101 | 11Alp Lep | 2.5820   | 7000.0 | 106 | 45833 | No |
| 266 | GOM_NL__2PRFIN20101205_201721_000000623097_00129_45833_0723.N1 | 05-DEC-2010 20:17:21 | Straylight | 62.000 | 7   | 19Bet Ori | 0.10000  | 14000. | 124 | 45833 | No |
| 267 | GOM_NL__2PRFIN20101205_202019_000000573097_00129_45833_0724.N1 | 05-DEC-2010 20:20:19 | Twilight   | 56.500 | 72  | 34Del Ori | 2.2500   | 30000. | 113 | 45833 | No |
| 268 | GOM_NL__2PRFIN20101205_202236_000000543097_00129_45833_0725.N1 | 05-DEC-2010 20:22:36 | Twilight   | 54.000 | 27  | 24Gam Ori | 1.6360   | 26000. | 108 | 45833 | No |
| 269 | GOM_NL__2PRFIN20101205_202503_000000593097_00129_45833_0726.N1 | 05-DEC-2010 20:25:03 | Bright     | 58.500 | 13  | 87Alp Tau | 0.86700  | 3800.0 | 117 | 45833 | No |
| 270 | GOM_NL__2PRFIN20101205_202652_000000373097_00129_45833_0727.N1 | 05-DEC-2010 20:26:52 | Bright     | 36.500 | 146 | 25Eta Tau | 2.8730   | 15200. | 73  | 45833 | No |
| 271 | GOM_NL__2PRFIN20101205_202909_000000393097_00129_45833_0728.N1 | 05-DEC-2010 20:29:09 | Bright     | 39.000 | 150 | 44Zet Per | 2.8900   | 28000. | 78  | 45833 | No |
| 272 | GOM_NL__2PRFIN20101205_203038_000000443097_00129_45833_0729.N1 | 05-DEC-2010 20:30:38 | Bright     | 43.500 | 114 | 31ot Aur  | 2.6930   | 4600.0 | 87  | 45833 | No |
| 273 | GOM_NL__2PRFIN20101205_203337_000000373097_00129_45833_0730.N1 | 05-DEC-2010 20:33:37 | Bright     | 37.000 | 175 | 39Del Per | 3.0100   | 19400. | 74  | 45833 | No |
| 274 | GOM_NL__2PRFIN20101205_205120_000000473097_00129_45833_0731.N1 | 05-DEC-2010 20:51:20 | Bright     | 46.500 | 36  | 50Alp UMa | 1.8000   | 6300.0 | 93  | 45833 | No |
| 275 | GOM_NL__2PRFIN20101205_205254_000000473097_00129_45833_0732.N1 | 05-DEC-2010 20:52:54 | Bright     | 47.000 | 82  | 48Bet UMa | 2.3650   | 10600. | 94  | 45833 | No |
| 276 | GOM_NL__2PRFIN20101205_205452_000000423097_00129_45833_0733.N1 | 05-DEC-2010 20:54:52 | Bright     | 42.000 | 32  | 77Eps UMa | 1.7630   | 11000. | 84  | 45833 | No |
| 277 | GOM_NL__2PRFIN20101205_205705_000000373097_00129_45833_0734.N1 | 05-DEC-2010 20:57:05 | Bright     | 36.500 | 39  | 85Eta UMa | 1.8540   | 24000. | 73  | 45833 | No |
| 278 | GOM_NL__2PRFIN20101205_210035_000000403097_00129_45833_0735.N1 | 05-DEC-2010 21:00:35 | Bright     | 40.000 | 152 | 12Alp2CVn | 2.8900   | 11000. | 80  | 45833 | No |

|     |  |                      |                |        |     |           |          |        |     |       |    |
|-----|--|----------------------|----------------|--------|-----|-----------|----------|--------|-----|-------|----|
| 279 | GOM_NL__2PRFIN20101205_210613_000000373097_00129_45833_0736.N1 | 05-DEC-2010 21:06:13 | Bright         | 37.000 | 111 | 8Eta Boo  | 2.6800   | 6000.0 | 74  | 45833 | No |
| 280 | GOM_NL__2PRFIN20101205_210929_000000453097_00129_45833_0737.N1 | 05-DEC-2010 21:09:29 | Bright         | 44.500 | 138 | 47Eps Vir | 2.8280   | 4700.0 | 89  | 45833 | No |
| 281 | GOM_NL__2PRFIN20101205_211404_000000543097_00129_45833_0738.N1 | 05-DEC-2010 21:14:04 | Bright         | 53.500 | 121 | 29Gam Vir | 2.7400   | 7200.0 | 107 | 45833 | No |
| 282 | GOM_NL__2PRFIN20101205_211958_000000523097_00129_45833_0739.N1 | 05-DEC-2010 21:19:58 | Dark           | 52.000 | 100 | 4Gam Crv  | 2.5800   | 13100. | 104 | 45833 | No |
| 283 | GOM_NL__2PRFIN20101205_212135_000000553097_00129_45833_0740.N1 | 05-DEC-2010 21:21:35 | Dark           | 54.500 | 171 | 2Eps Crv  | 3.0010   | 4250.0 | 109 | 45833 | No |
| 284 | GOM_NL__2PRFIN20101205_213056_000000463097_00130_45834_0766.N1 | 05-DEC-2010 21:30:56 | Dark           | 46.000 | 113 | Mu Vel    | 2.6920   | 5000.0 | 92  | 45834 | No |
| 285 | GOM_NL__2PRFIN20101205_213935_000000483097_00130_45834_0767.N1 | 05-DEC-2010 21:39:35 | Dark           | 48.000 | 34  | Gam2Vel   | 1.7930   | 23000. | 96  | 45834 | No |
| 286 | GOM_NL__2PRFIN20101205_214232_000000573097_00130_45834_0768.N1 | 05-DEC-2010 21:42:32 | Dark           | 56.500 | 2   | Alp Car   | -0.73600 | 7000.0 | 113 | 45834 | No |
| 287 | GOM_NL__2PRFIN20101205_214442_000000593097_00130_45834_0769.N1 | 05-DEC-2010 21:44:42 | Dark           | 59.000 | 117 | Pi Pup    | 2.7060   | 3800.0 | 118 | 45834 | No |
| 288 | GOM_NL__2PRFIN20101205_214848_000000453097_00130_45834_0770.N1 | 05-DEC-2010 21:48:48 | Dark           | 44.500 | 108 | Alp Col   | 2.6520   | 15200. | 89  | 45834 | No |
| 289 | GOM_NL__2PRFIN20101205_215412_000000523097_00130_45834_0771.N1 | 05-DEC-2010 21:54:12 | Straylight     | 52.000 | 101 | 11Alp Lep | 2.5820   | 7000.0 | 104 | 45834 | No |
| 290 | GOM_NL__2PRFIN20101205_215735_000000633097_00130_45834_0772.N1 | 05-DEC-2010 21:57:35 | Straylight     | 63.000 | 7   | 19Bet Ori | 0.10000  | 14000. | 126 | 45834 | No |
| 291 | GOM_NL__2PRFIN20101205_220016_000000253097_00130_45834_0773.N1 | 05-DEC-2010 22:00:16 | Straylight     | 25.000 | 30  | 46Eps Ori | 1.6940   | 30000. | 50  | 45834 | No |
| 292 | GOM_NL__2PRFIN20101205_220250_000000543097_00130_45834_0774.N1 | 05-DEC-2010 22:02:50 | Tw_i_and_stray | 53.500 | 27  | 24Gam Ori | 1.6360   | 26000. | 107 | 45834 | No |
| 293 | GOM_NL__2PRFIN20101205_220517_000000563097_00130_45834_0775.N1 | 05-DEC-2010 22:05:17 | Bright         | 55.500 | 13  | 87Alp Tau | 0.86700  | 3800.0 | 111 | 45834 | No |
| 294 | GOM_NL__2PRFIN20101205_220706_000000363097_00130_45834_0776.N1 | 05-DEC-2010 22:07:06 | Bright         | 36.000 | 146 | 25Eta Tau | 2.8730   | 15200. | 72  | 45834 | No |
| 295 | GOM_NL__2PRFIN20101205_220923_000000373097_00130_45834_0777.N1 | 05-DEC-2010 22:09:23 | Bright         | 36.500 | 150 | 44Zet Per | 2.8900   | 28000. | 73  | 45834 | No |
| 296 | GOM_NL__2PRFIN20101205_221051_000000443097_00130_45834_0778.N1 | 05-DEC-2010 22:10:51 | Bright         | 44.000 | 114 | 3lot Aur  | 2.6930   | 4600.0 | 88  | 45834 | No |
| 297 | GOM_NL__2PRFIN20101205_221351_000000363097_00130_45834_0779.N1 | 05-DEC-2010 22:13:51 | Bright         | 35.500 | 175 | 39Del Per | 3.0100   | 19400. | 71  | 45834 | No |
| 298 | GOM_NL__2PRFIN20101205_223134_000000453097_00130_45834_0780.N1 | 05-DEC-2010 22:31:34 | Bright         | 45.000 | 36  | 50Alp UMa | 1.8000   | 6300.0 | 90  | 45834 | No |
| 299 | GOM_NL__2PRFIN20101205_223307_000000493097_00130_45834_0781.N1 | 05-DEC-2010 22:33:07 | Bright         | 49.000 | 82  | 48Bet UMa | 2.3650   | 10600. | 98  | 45834 | No |
| 300 | GOM_NL__2PRFIN20101205_223506_000000423097_00130_45834_0782.N1 | 05-DEC-2010 22:35:06 | Bright         | 41.500 | 32  | 77Eps UMa | 1.7630   | 11000. | 83  | 45834 | No |
| 301 | GOM_NL__2PRFIN20101205_223719_000000553097_00130_45834_0783.N1 | 05-DEC-2010 22:37:19 | Bright         | 55.000 | 39  | 85Eta UMa | 1.8540   | 24000. | 110 | 45834 | No |
| 302 | GOM_NL__2PRFIN20101205_224048_000000413097_00130_45834_0784.N1 | 05-DEC-2010 22:40:48 | Bright         | 41.000 | 152 | 12Alp2CVn | 2.8900   | 11000. | 82  | 45834 | No |
| 303 | GOM_NL__2PRFIN20101205_224627_000000423097_00130_45834_0785.N1 | 05-DEC-2010 22:46:27 | Bright         | 42.000 | 111 | 8Eta Boo  | 2.6800   | 6000.0 | 84  | 45834 | No |
| 304 | GOM_NL__2PRFIN20101205_224944_000000463097_00130_45834_0786.N1 | 05-DEC-2010 22:49:44 | Bright         | 45.500 | 138 | 47Eps Vir | 2.8280   | 4700.0 | 91  | 45834 | No |
| 305 | GOM_NL__2PRFIN20101205_225419_000000513097_00130_45834_0787.N1 | 05-DEC-2010 22:54:19 | Bright         | 51.000 | 121 | 29Gam Vir | 2.7400   | 7200.0 | 102 | 45834 | No |
| 306 | GOM_NL__2PRFIN20101205_230014_000000533097_00130_45834_0788.N1 | 05-DEC-2010 23:00:14 | Dark           | 52.500 | 100 | 4Gam Crv  | 2.5800   | 13100. | 105 | 45834 | No |
| 307 | GOM_NL__2PRFIN20101205_230150_000000543097_00130_45834_0789.N1 | 05-DEC-2010 23:01:50 | Dark           | 54.000 | 171 | 2Eps Crv  | 3.0010   | 4250.0 | 108 | 45834 | No |
| 308 | GOM_NL__2PRFIN20101205_231111_000000443097_00131_45835_0878.N1 | 05-DEC-2010 23:11:11 | Dark           | 43.500 | 113 | Mu Vel    | 2.6920   | 5000.0 | 87  | 45835 | No |
| 309 | GOM_NL__2PRFIN20101205_231949_000000543097_00131_45835_0879.N1 | 05-DEC-2010 23:19:49 | Dark           | 54.000 | 34  | Gam2Vel   | 1.7930   | 23000. | 108 | 45835 | No |
| 310 | GOM_NL__2PRFIN20101205_232246_000000493097_00131_45835_0880.N1 | 05-DEC-2010 23:22:46 | Dark           | 49.000 | 2   | Alp Car   | -0.73600 | 7000.0 | 98  | 45835 | No |
| 311 | GOM_NL__2PRFIN20101205_232457_000000603097_00131_45835_0881.N1 | 05-DEC-2010 23:24:57 | Dark           | 60.000 | 117 | Pi Pup    | 2.7060   | 3800.0 | 120 | 45835 | No |
| 312 | GOM_NL__2PRFIN20101205_232902_000000443097_00131_45835_0882.N1 | 05-DEC-2010 23:29:02 | Dark           | 44.000 | 108 | Alp Col   | 2.6520   | 15200. | 88  | 45835 | No |
| 313 | GOM_NL__2PRFIN20101205_233426_000000513097_00131_45835_0883.N1 | 05-DEC-2010 23:34:26 | Straylight     | 51.000 | 101 | 11Alp Lep | 2.5820   | 7000.0 | 102 | 45835 | No |
| 314 | GOM_NL__2PRFIN20101205_233749_000000563097_00131_45835_0884.N1 | 05-DEC-2010 23:37:49 | Straylight     | 56.000 | 7   | 19Bet Ori | 0.10000  | 14000. | 112 | 45835 | No |
| 315 | GOM_NL__2PRFIN20101205_234030_000000253097_00131_45835_0885.N1 | 05-DEC-2010 23:40:30 | Straylight     | 25.000 | 30  | 46Eps Ori | 1.6940   | 30000. | 50  | 45835 | No |
| 316 | GOM_NL__2PRFIN20101205_234303_000000553097_00131_45835_0886.N1 | 05-DEC-2010 23:43:03 | Tw_i_and_stray | 54.500 | 27  | 24Gam Ori | 1.6360   | 26000. | 109 | 45835 | No |
| 317 | GOM_NL__2PRFIN20101205_234531_000000593097_00131_45835_0887.N1 | 05-DEC-2010 23:45:31 | Bright         | 59.000 | 13  | 87Alp Tau | 0.86700  | 3800.0 | 118 | 45835 | No |
| 318 | GOM_NL__2PRFIN20101205_234720_000000373097_00131_45835_0888.N1 | 05-DEC-2010 23:47:20 | Bright         | 37.000 | 146 | 25Eta Tau | 2.8730   | 15200. | 74  | 45835 | No |
| 319 | GOM_NL__2PRFIN20101205_234937_000000383097_00131_45835_0889.N1 | 05-DEC-2010 23:49:37 | Bright         | 38.000 | 150 | 44Zet Per | 2.8900   | 28000. | 76  | 45835 | No |
| 320 | GOM_NL__2PRFIN20101205_235105_000000443097_00131_45835_0890.N1 | 05-DEC-2010 23:51:05 | Bright         | 44.000 | 114 | 3lot Aur  | 2.6930   | 4600.0 | 88  | 45835 | No |
| 321 | GOM_NL__2PRFIN20101205_235404_000000363097_00131_45835_0891.N1 | 05-DEC-2010 23:54:04 | Bright         | 36.000 | 175 | 39Del Per | 3.0100   | 19400. | 72  | 45835 | No |

### 3. Quality information per product

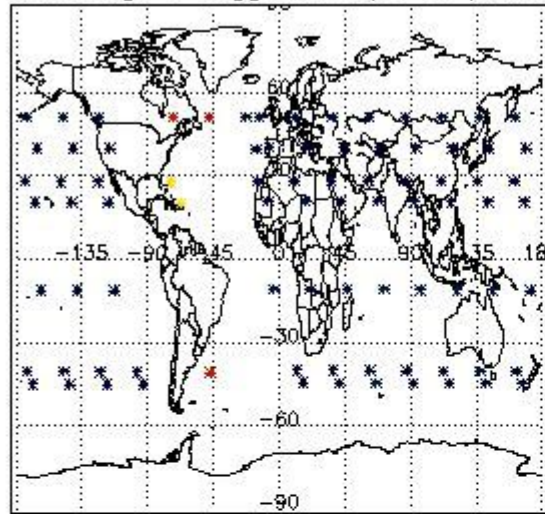
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

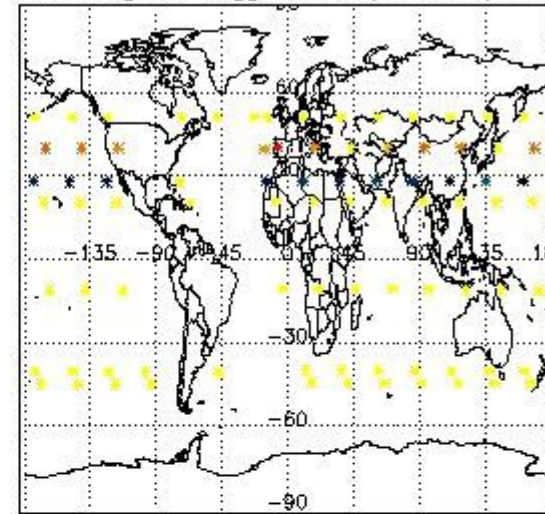


3.2 Plot quality information per product (world map)

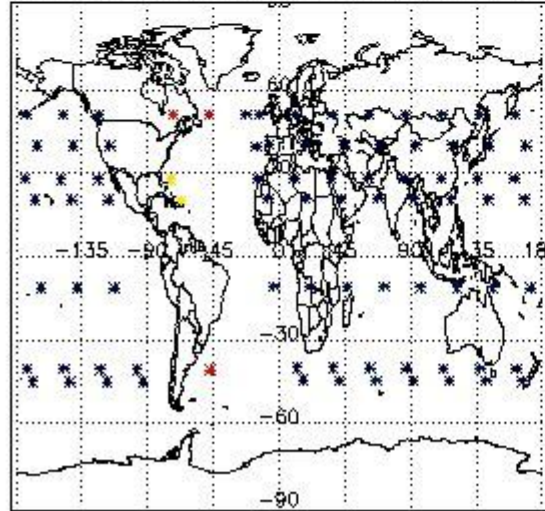
Percentage of flagged data per O3 profile



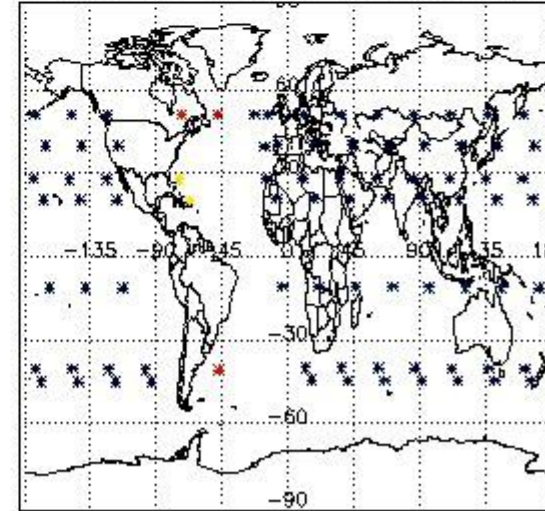
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

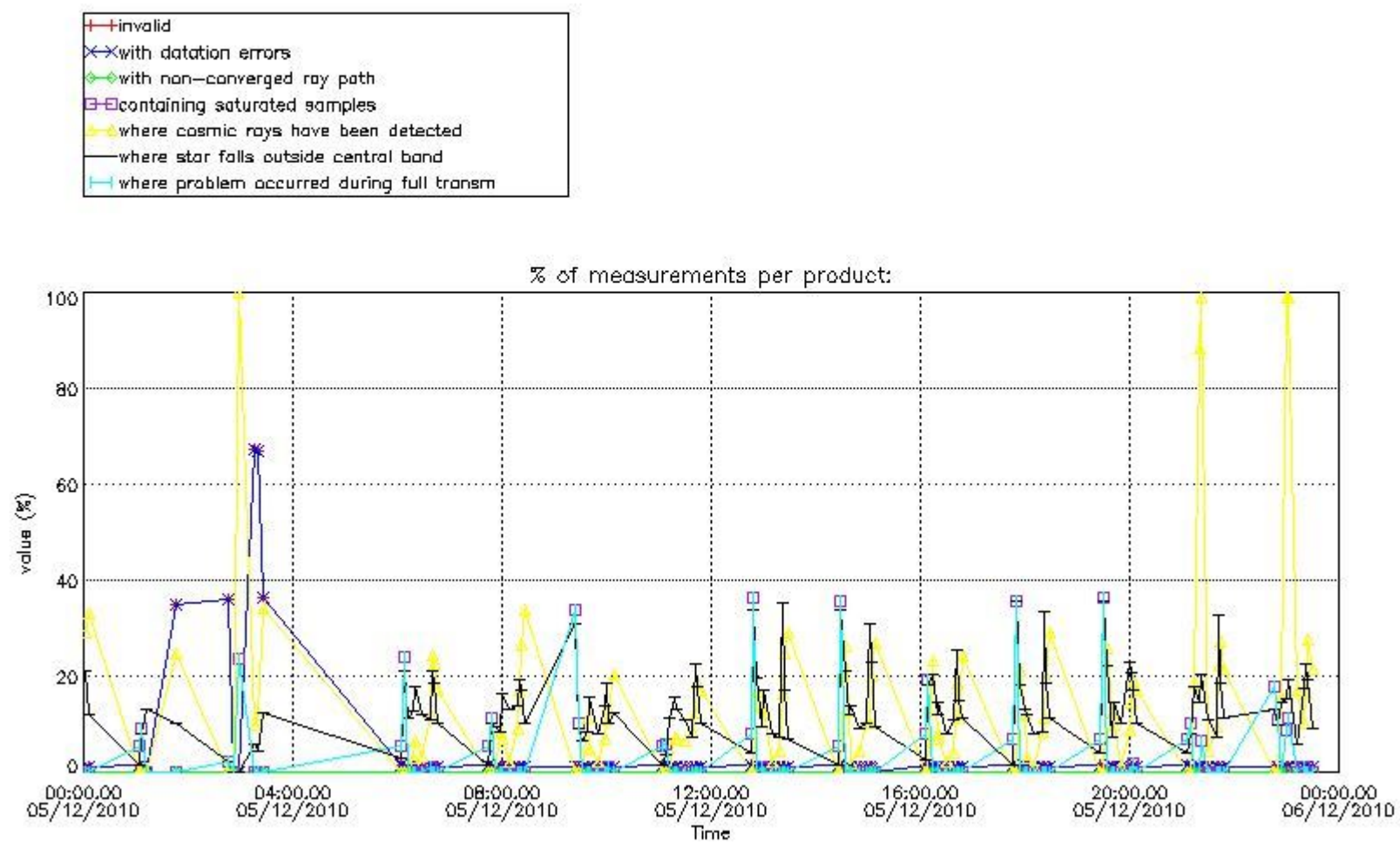


#### 4. Level 1 quality information per product

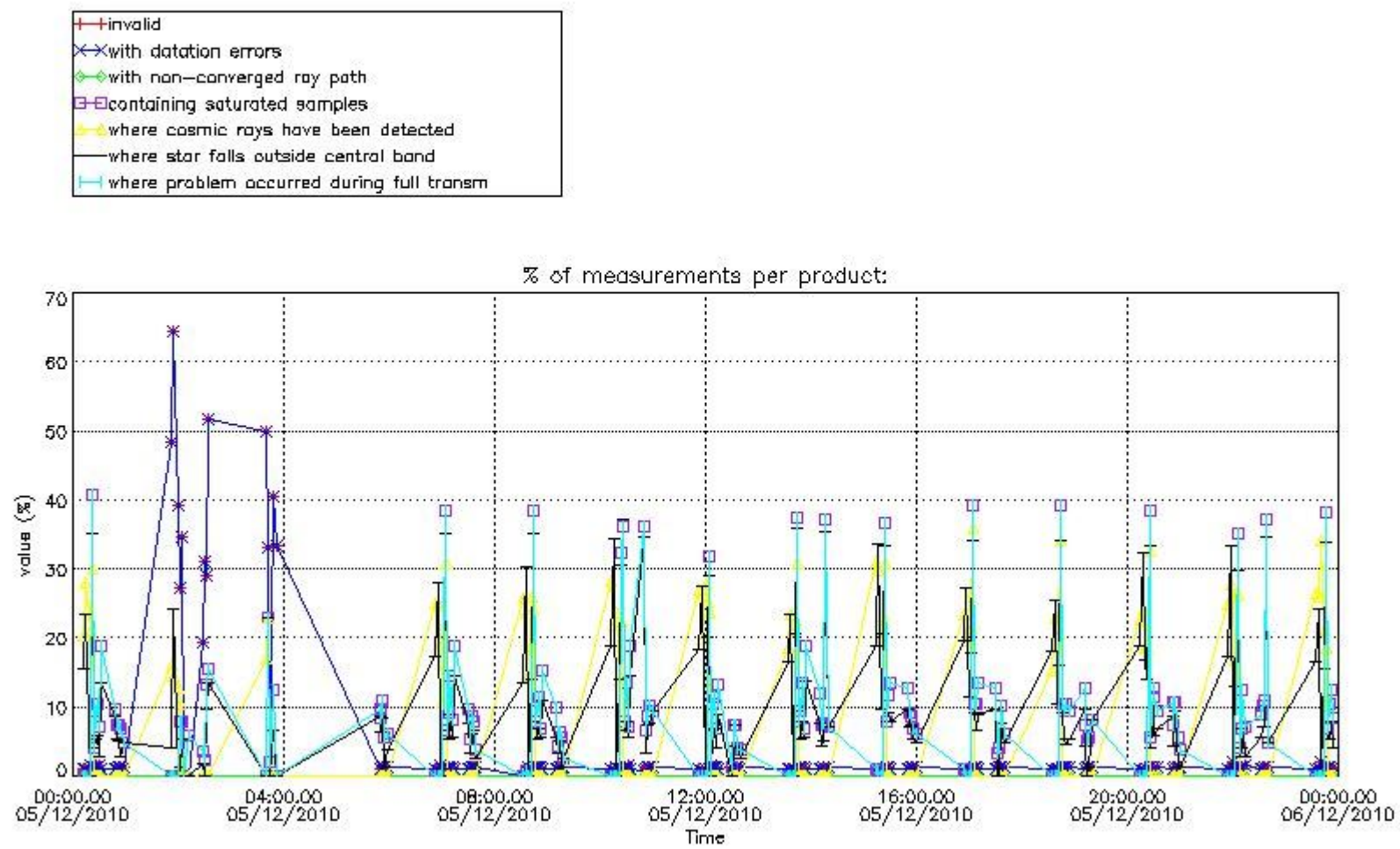
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

##### 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

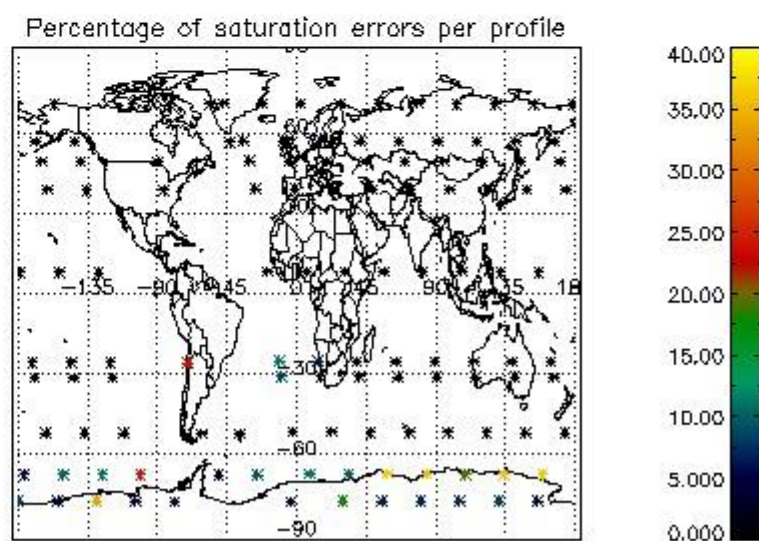
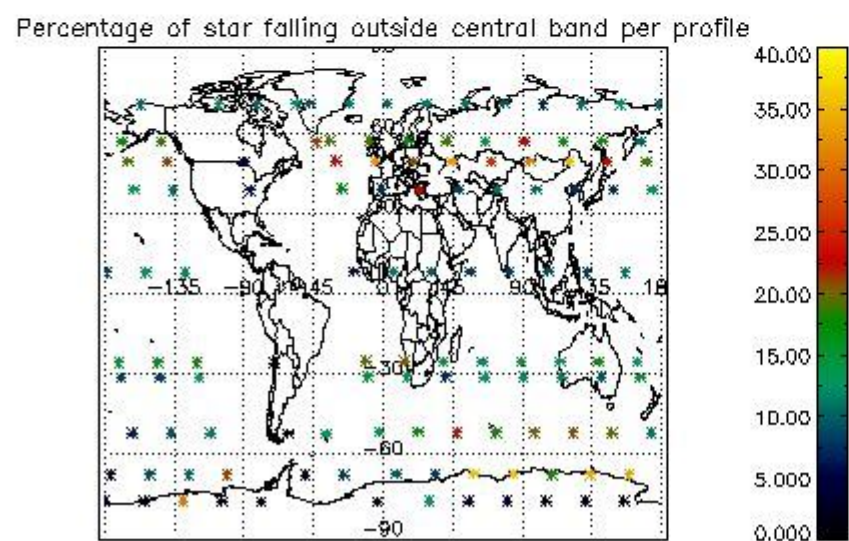
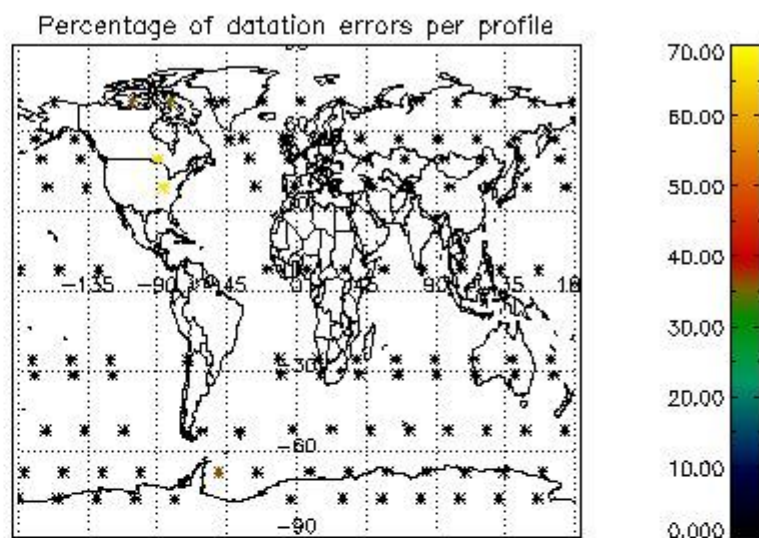
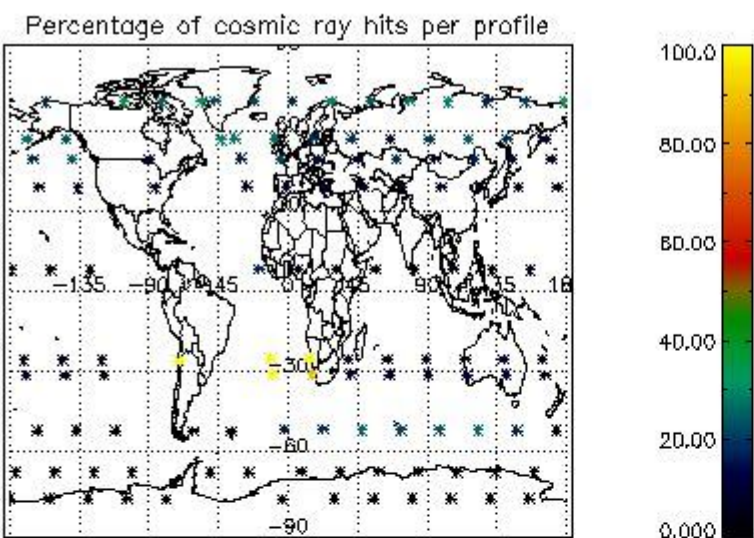


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



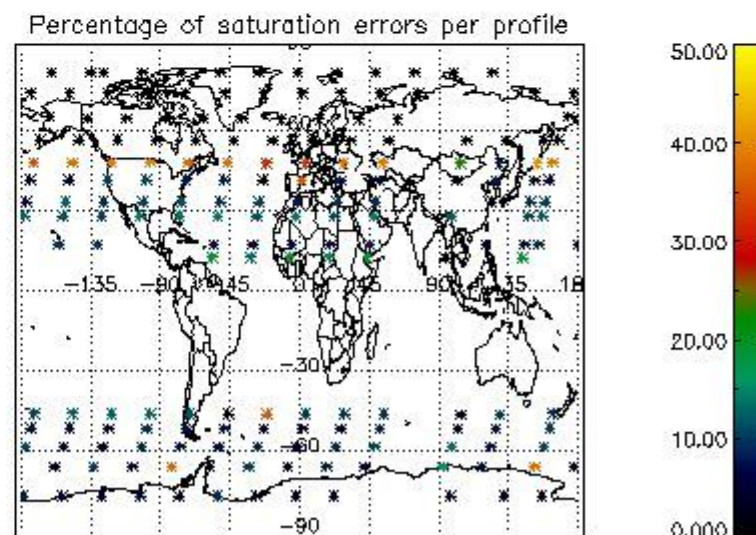
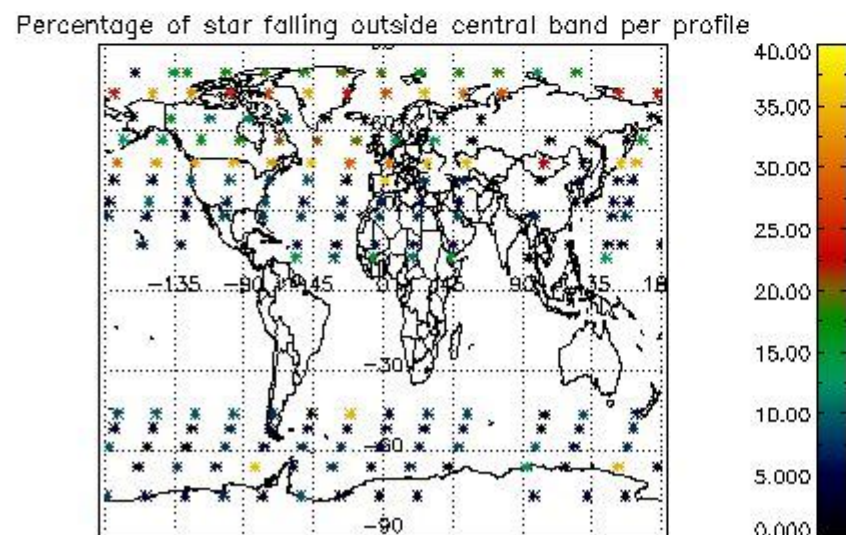
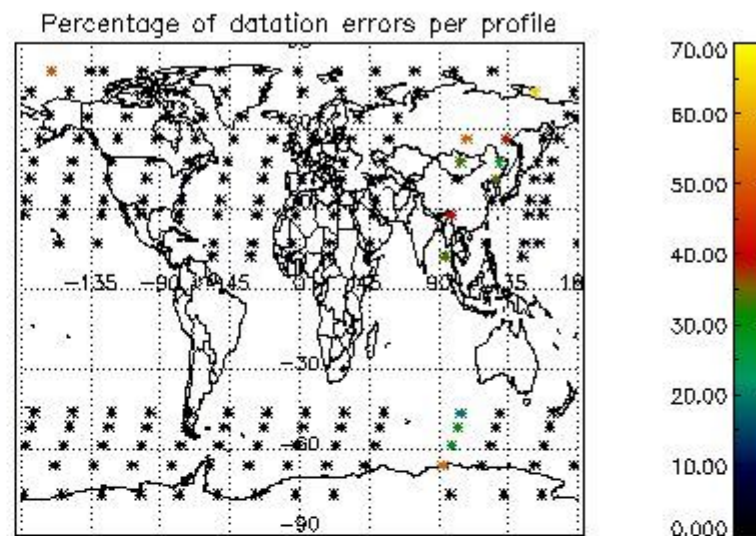
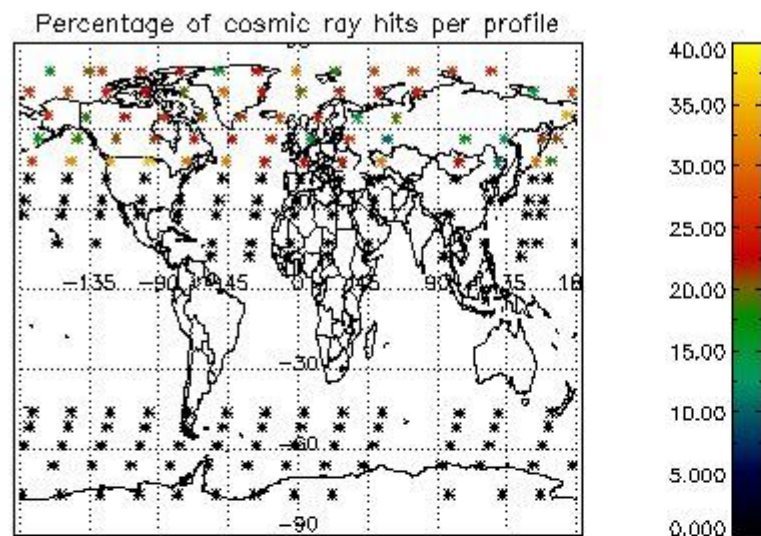
4.2 Plot quality information per product coming from level 1b processing (world map)

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

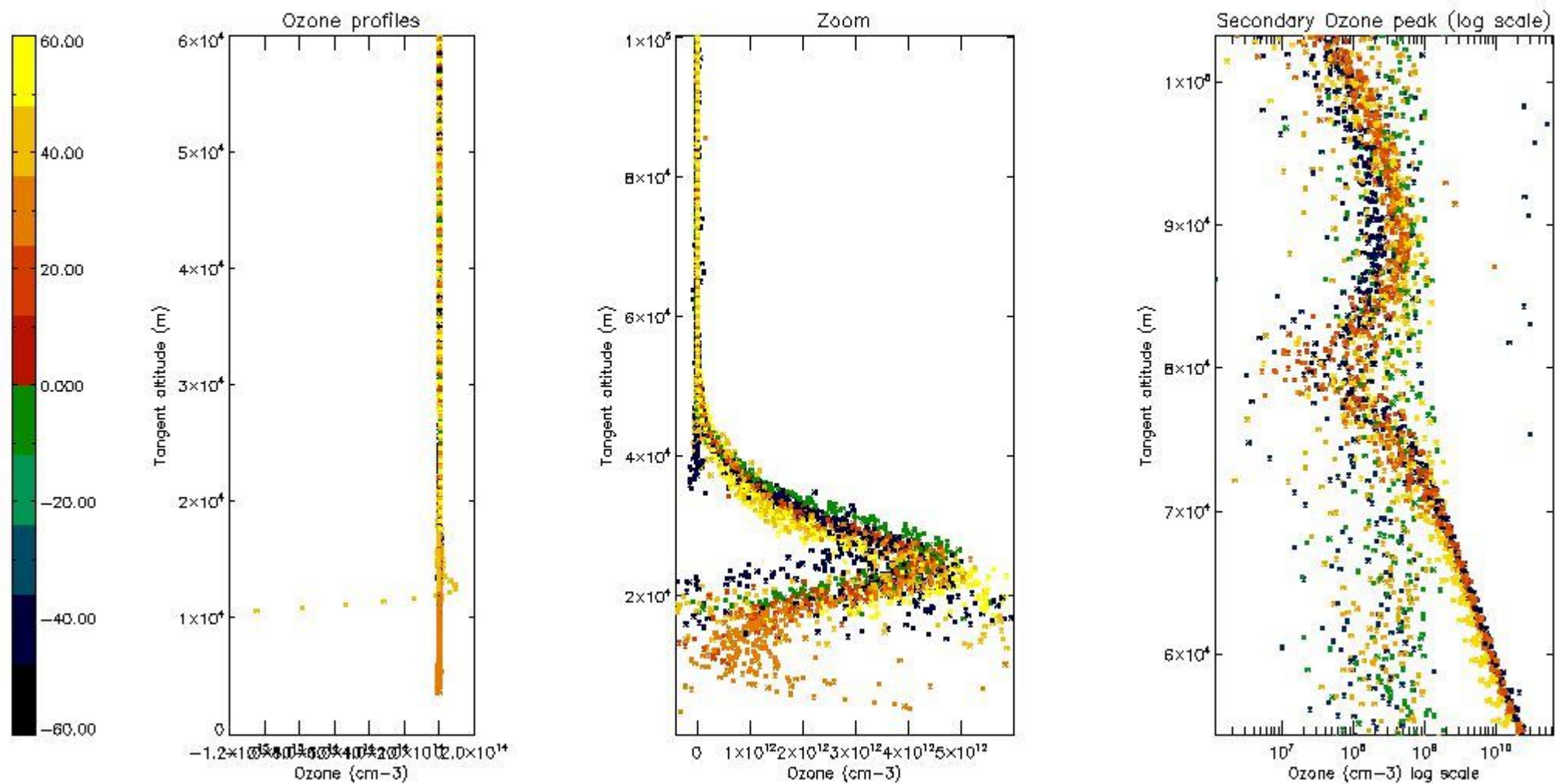
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

| Criteria | % of total production |
|----------|-----------------------|
| All STD  | 30                    |
| STD < 20 | 14                    |

|          |    |
|----------|----|
| STD < 10 | 10 |
| STD < 5  | 6  |

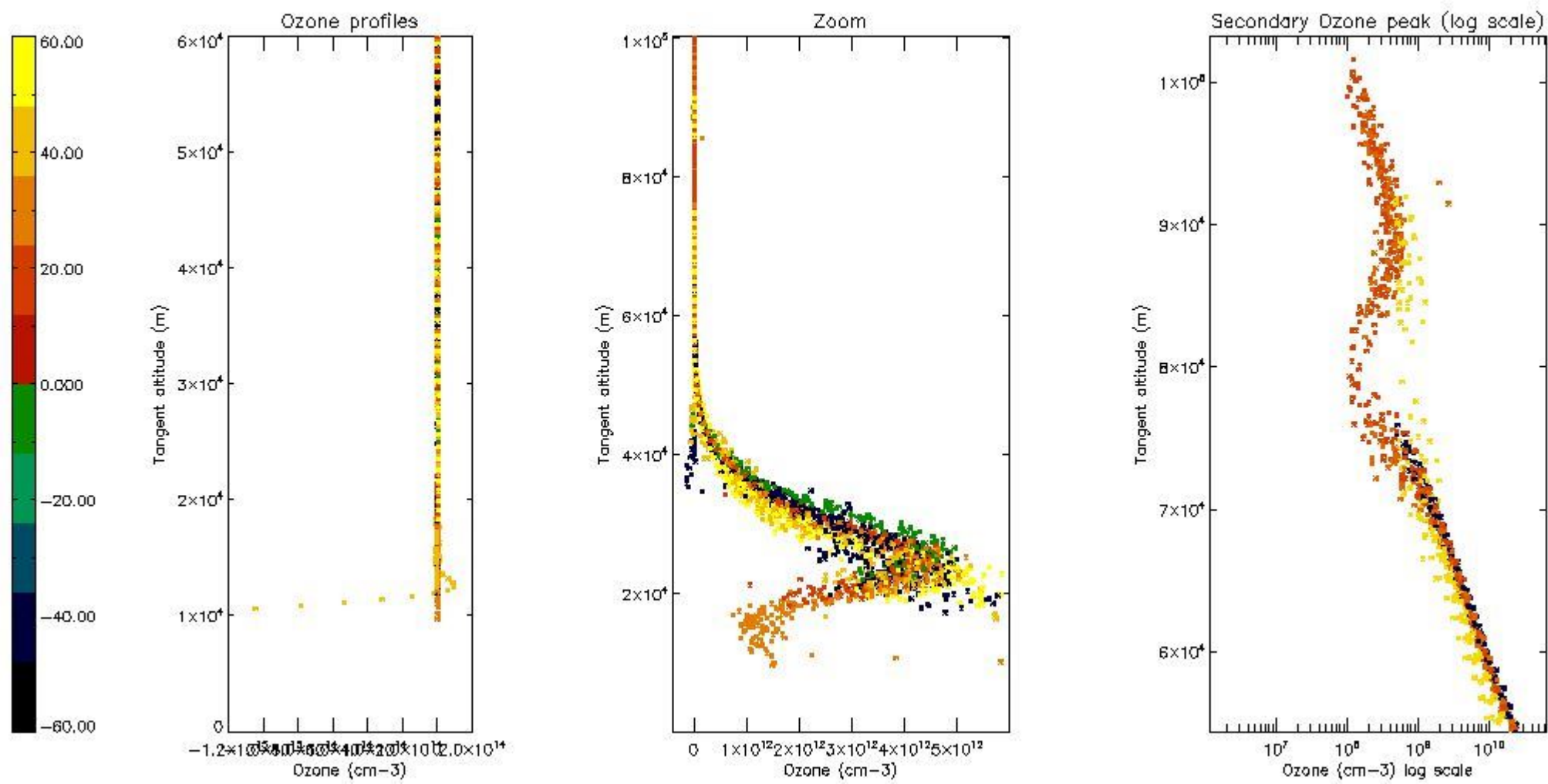
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



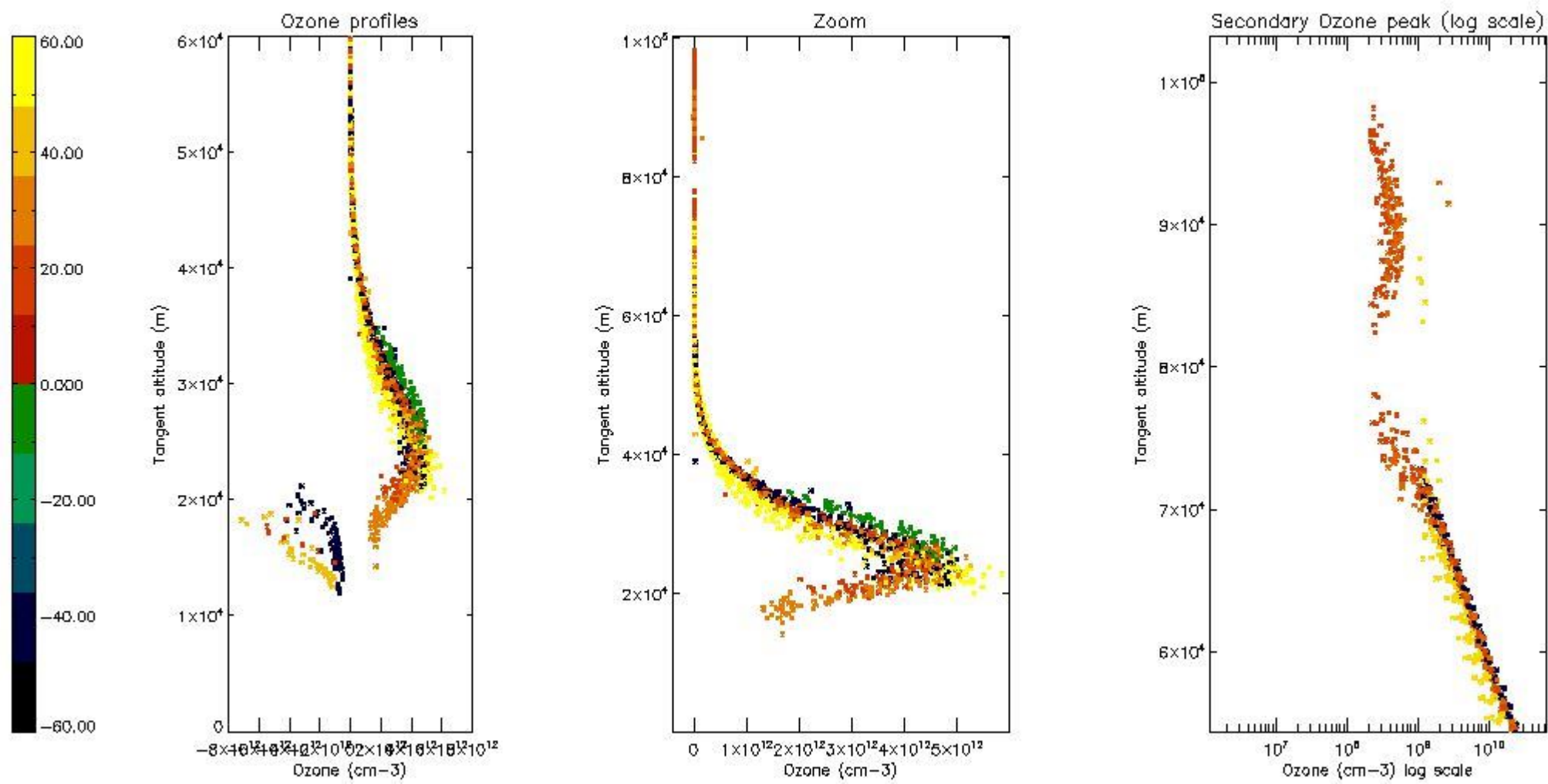
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



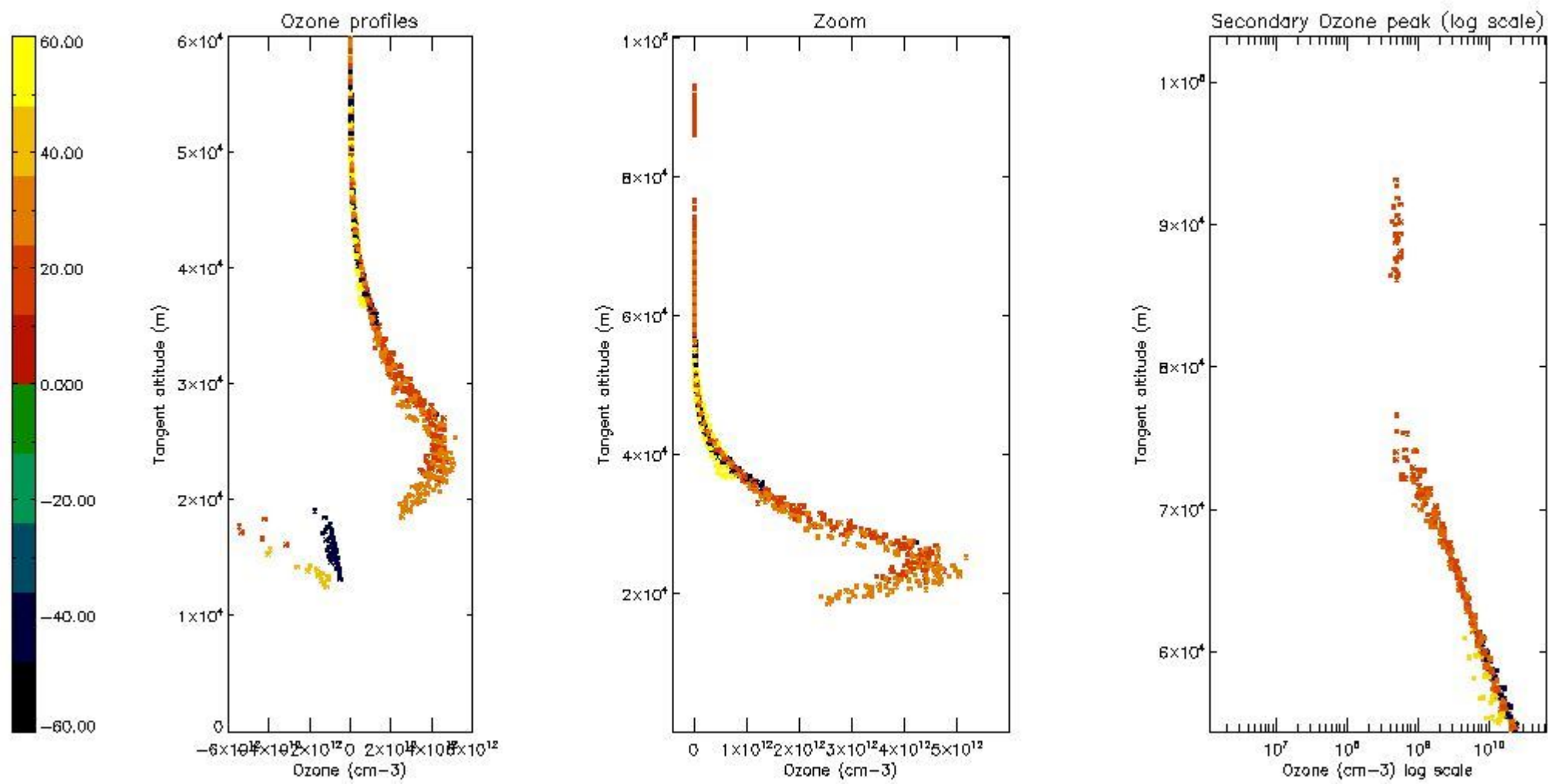
*5.4 Plot ozone profiles where  $STD < 10\%$  (dark without errors)*

The colorbar represents the latitude.



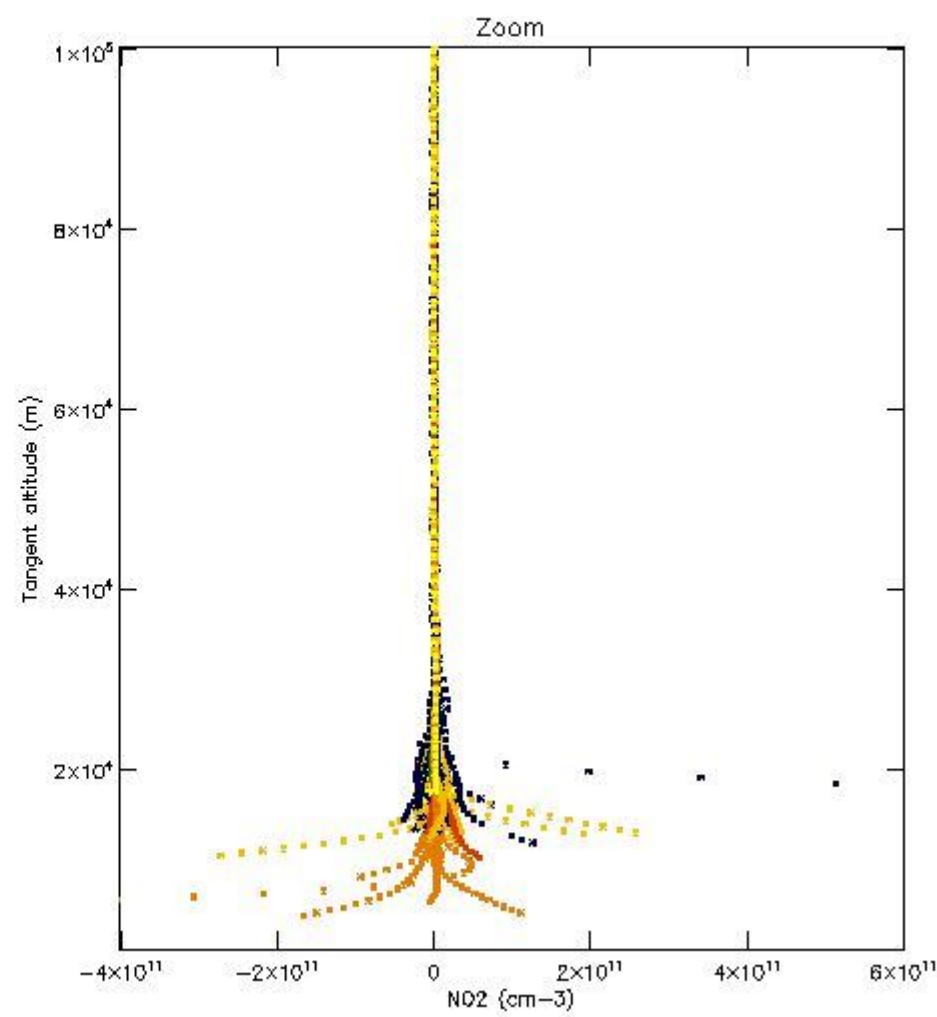
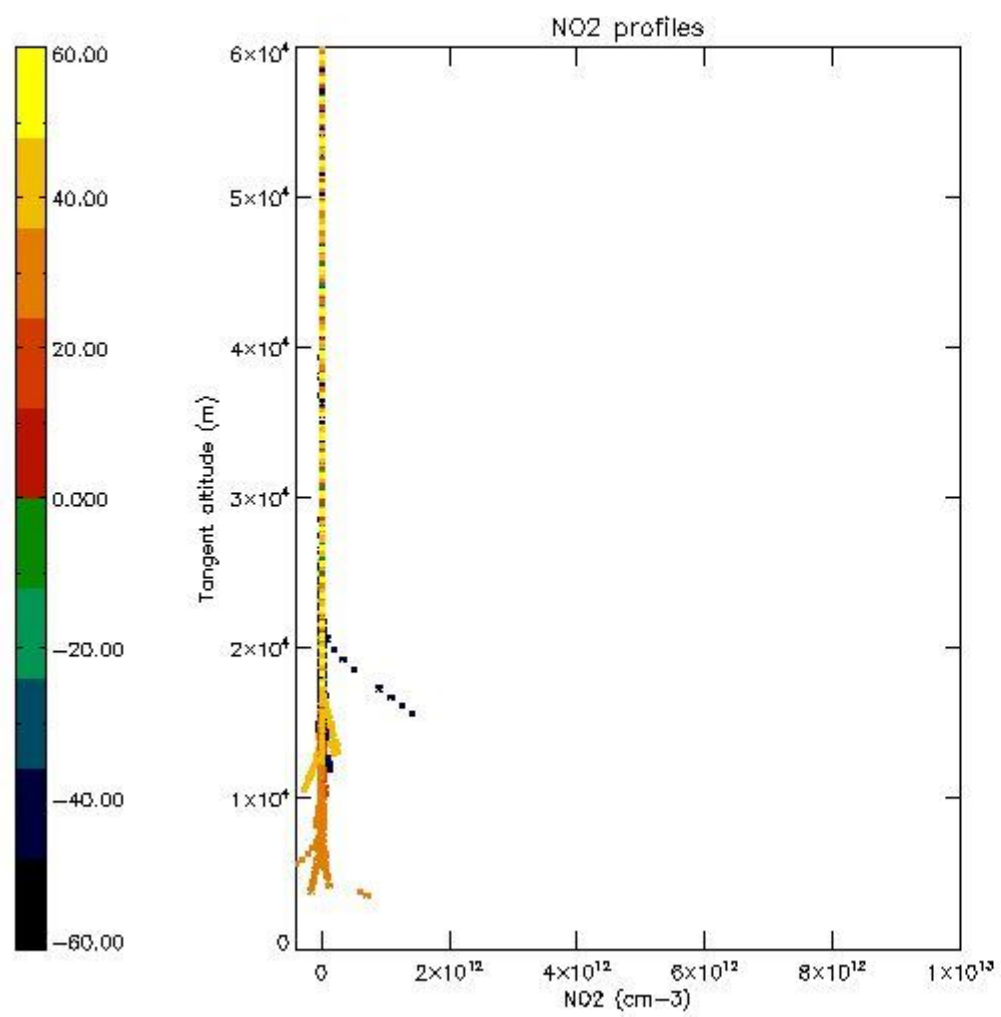
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



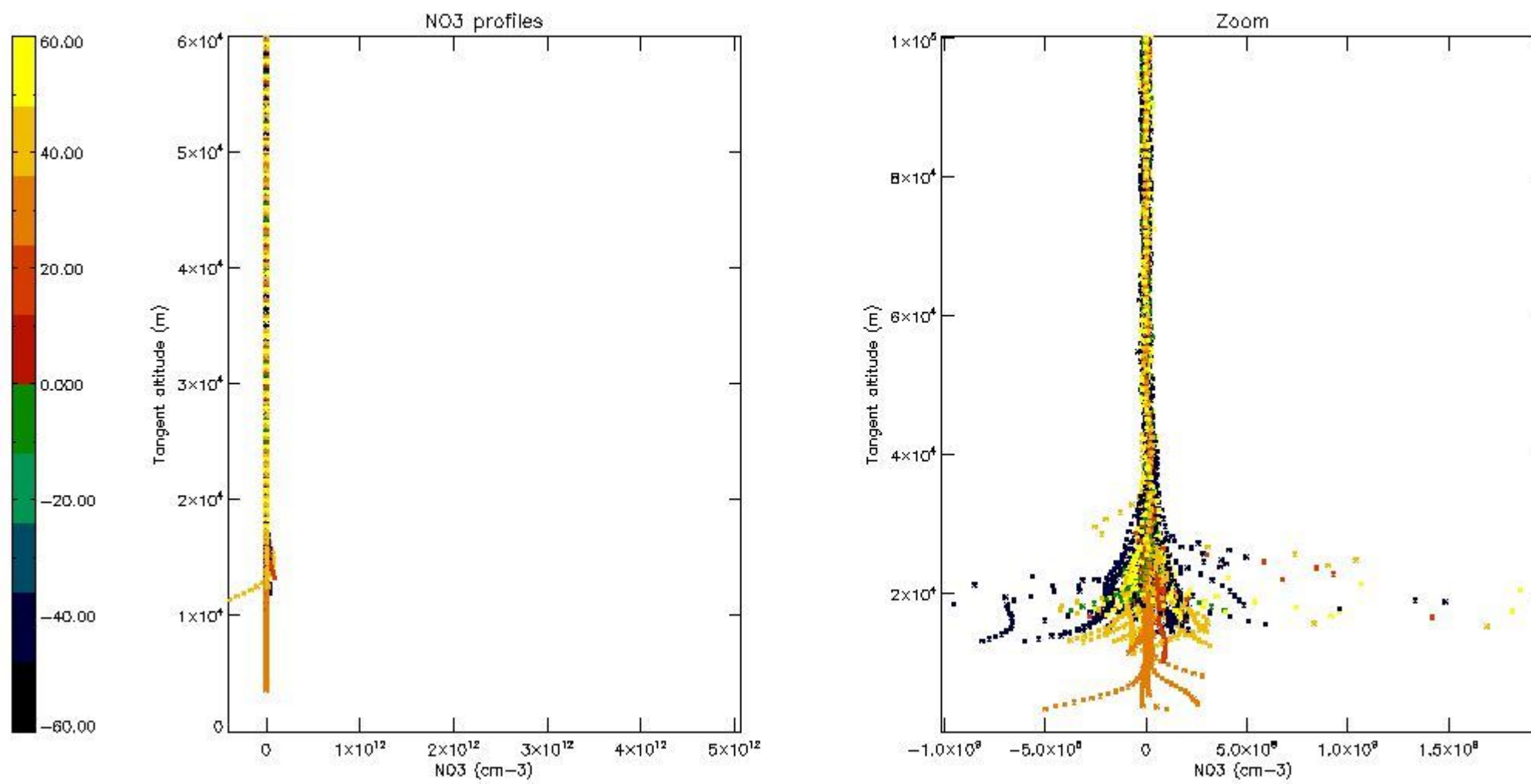
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



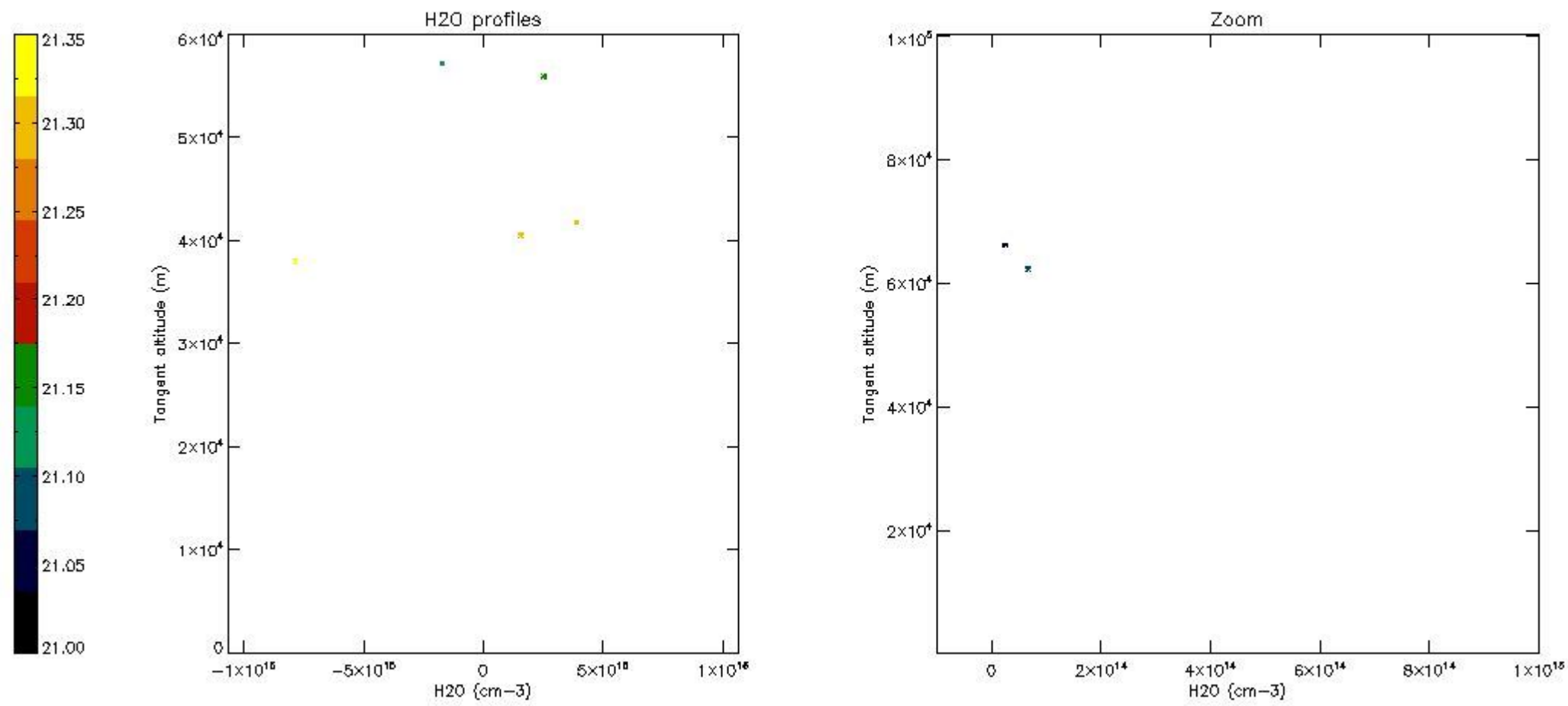
*5.7 Plot NO3 profiles for all STD (dark without errors)*

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.

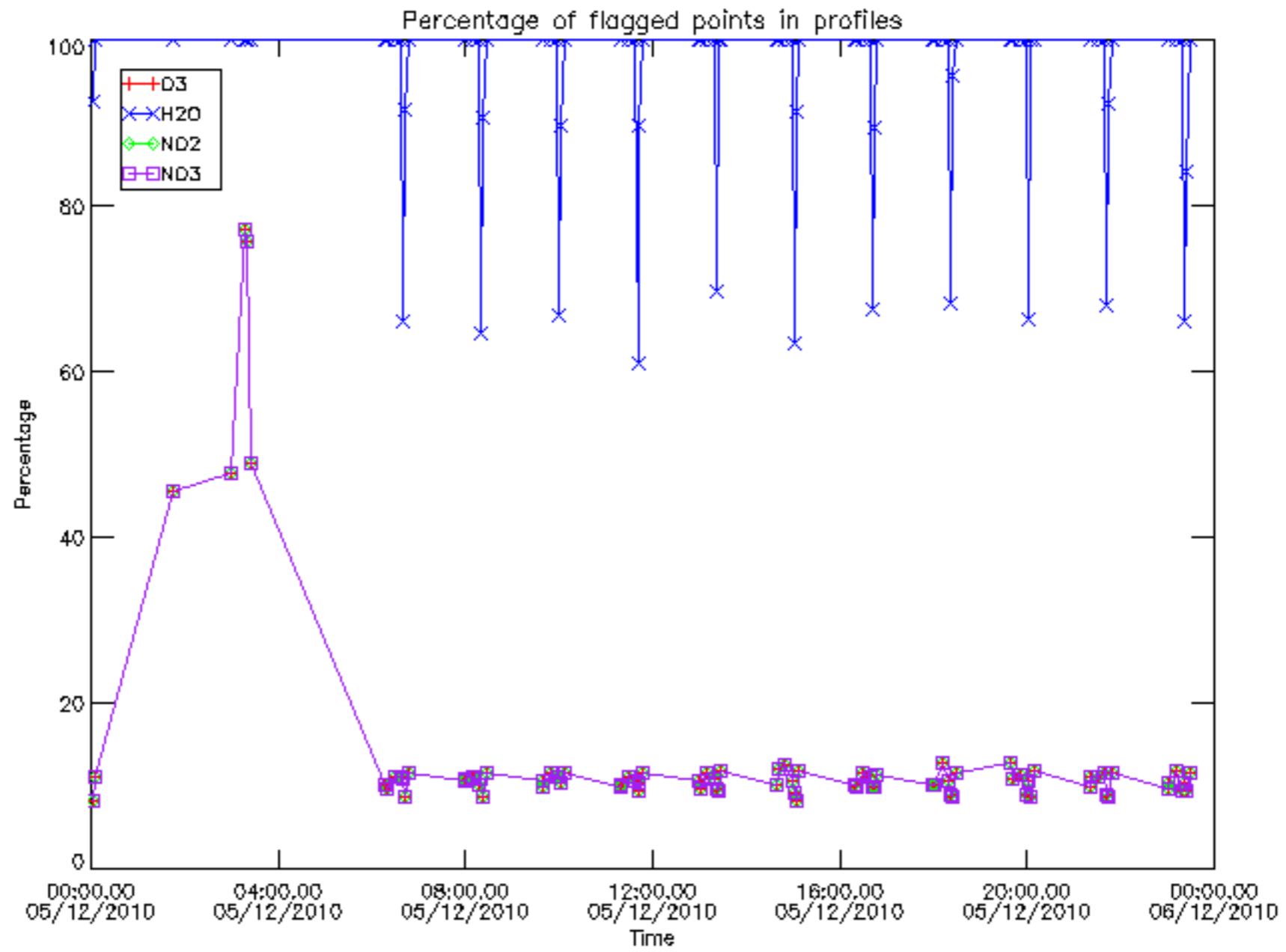


## 6. Auxiliary Data Files used for the production reported in section 2

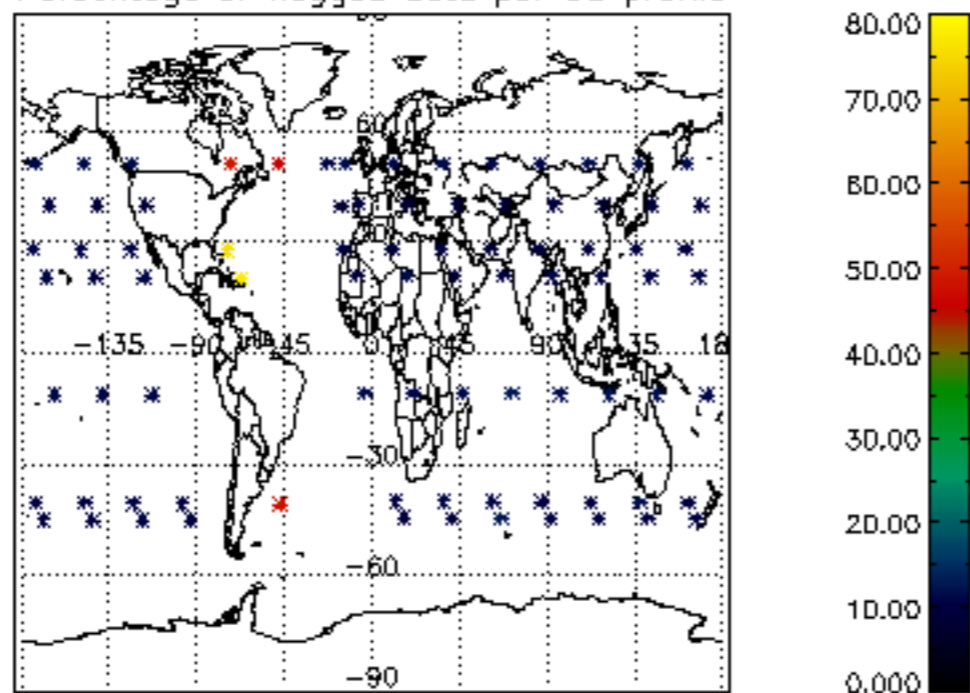
The number reported in the third column indicates since which file (see list in section 2) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

| Type                      | Auxiliary Filename  | Used since product | Used since product date |
|---------------------------|---|--------------------|-------------------------|
| INST_PHYS_CHARACTERISTICS | GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000 | 1                  | 05-DEC-2010 00:01:30    |
| LEVEL-2_PROC_CONFIG       | GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000 | 1                  | 05-DEC-2010 00:01:30    |
| CROSS_SECTIONS_FILE       | GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000 | 1                  | 05-DEC-2010 00:01:30    |

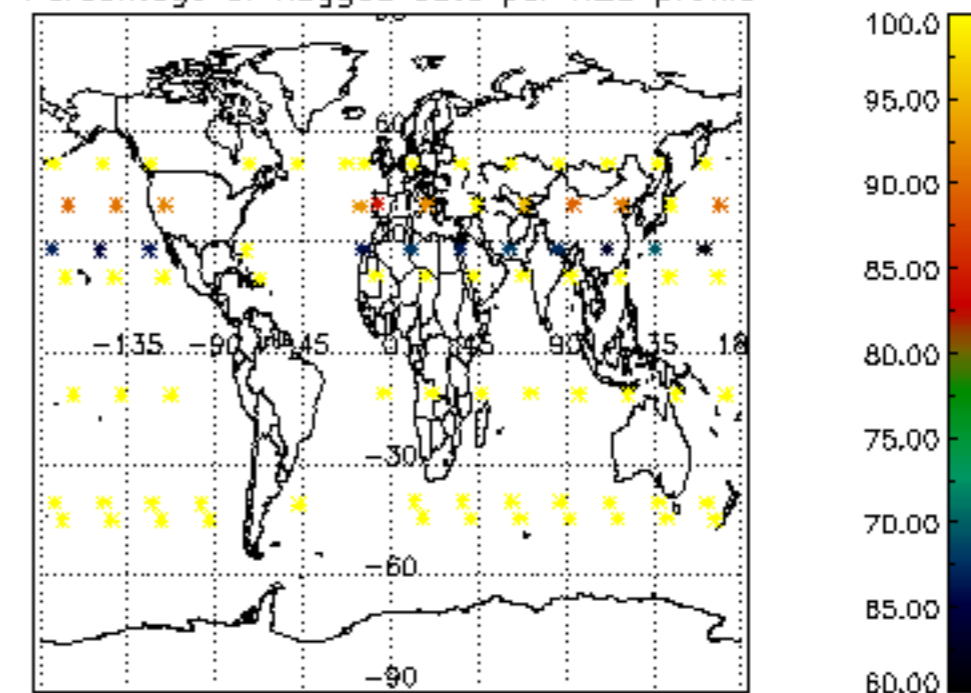




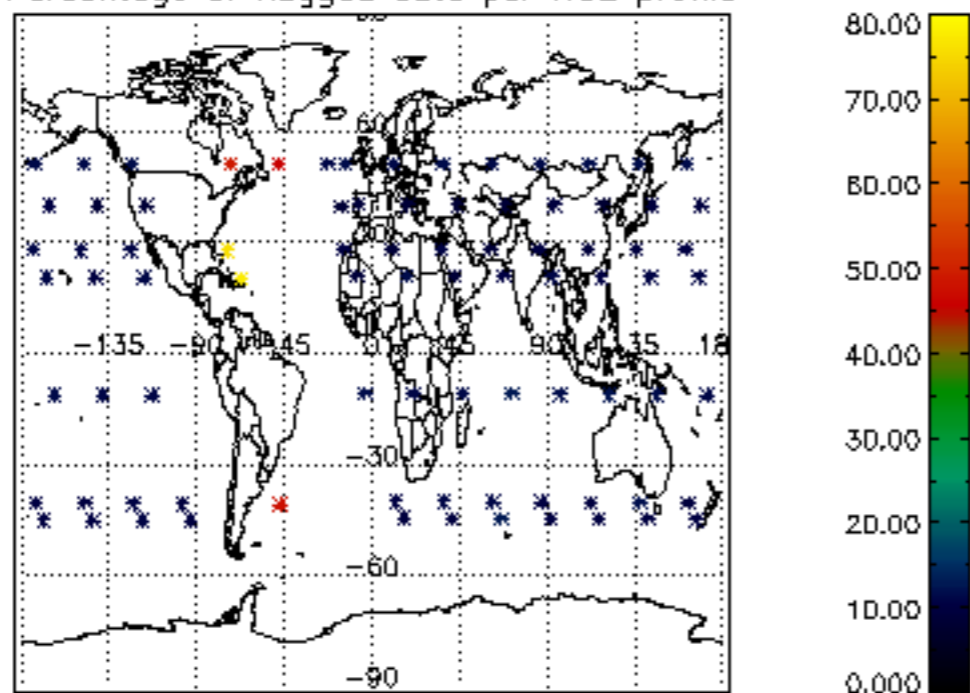
Percentage of flagged data per D3 profile



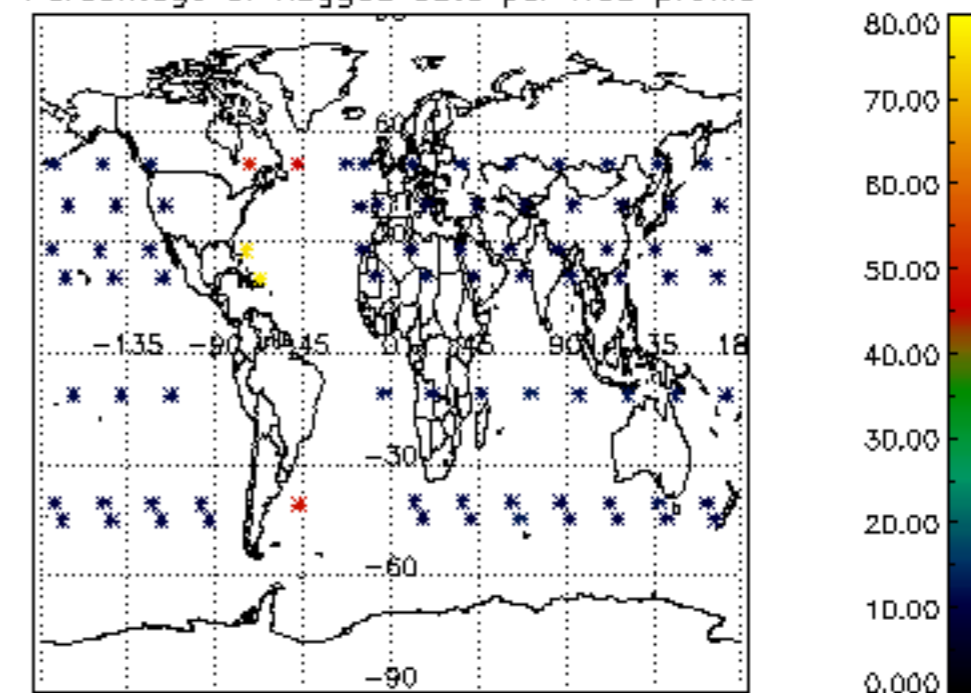
Percentage of flagged data per H2O profile

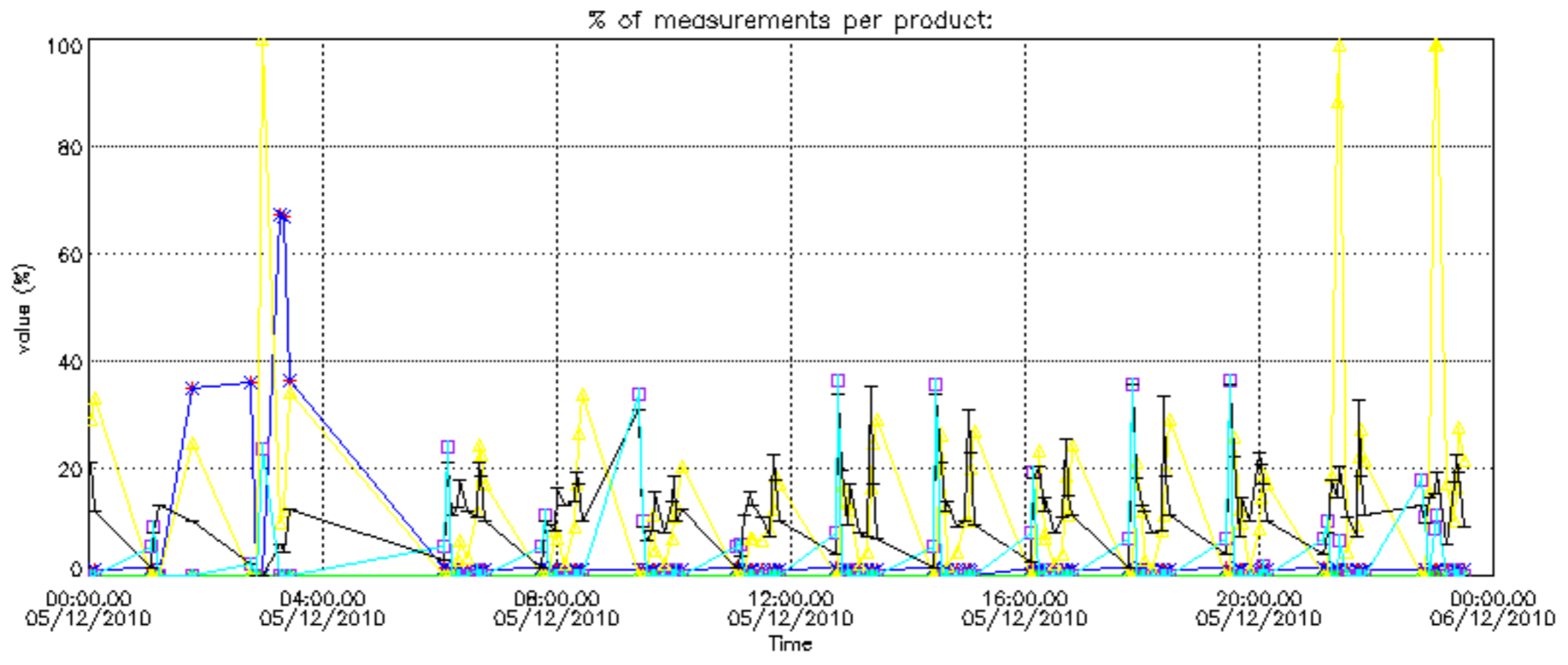


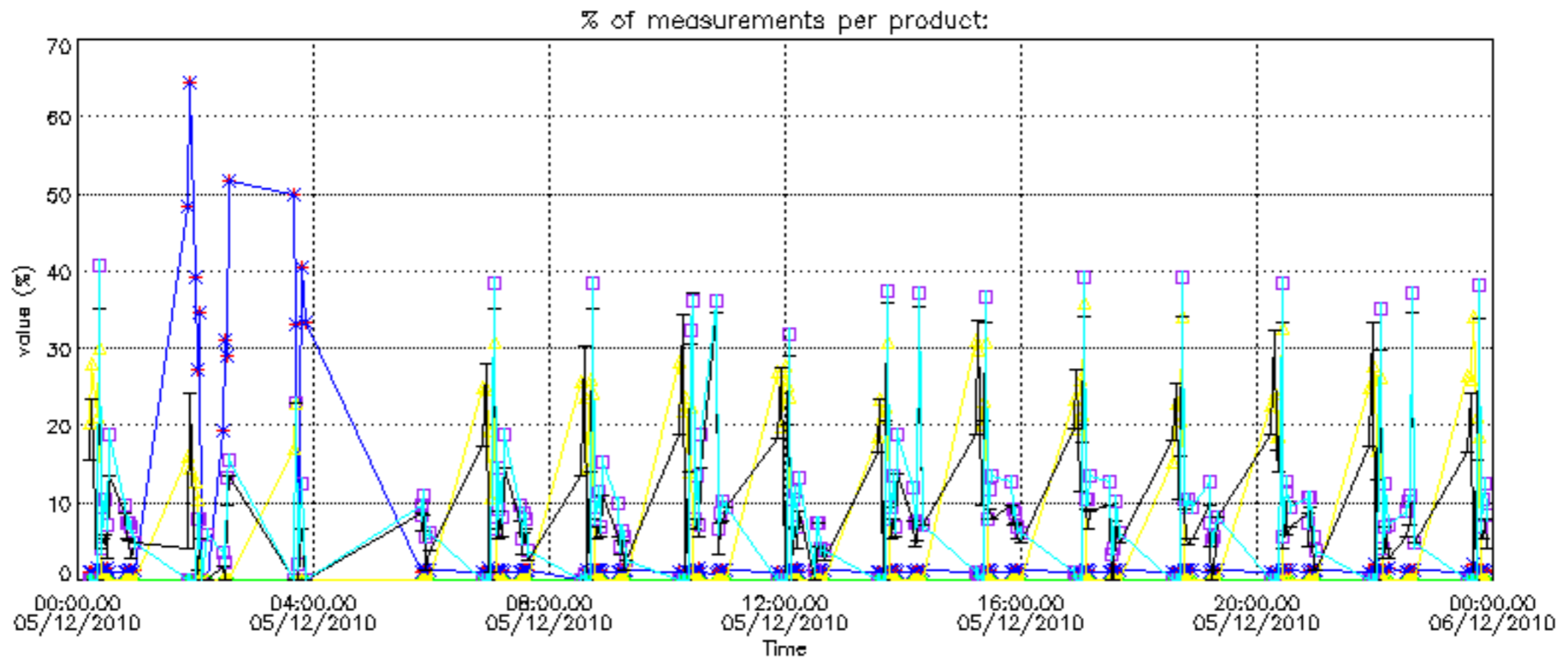
Percentage of flagged data per NO2 profile



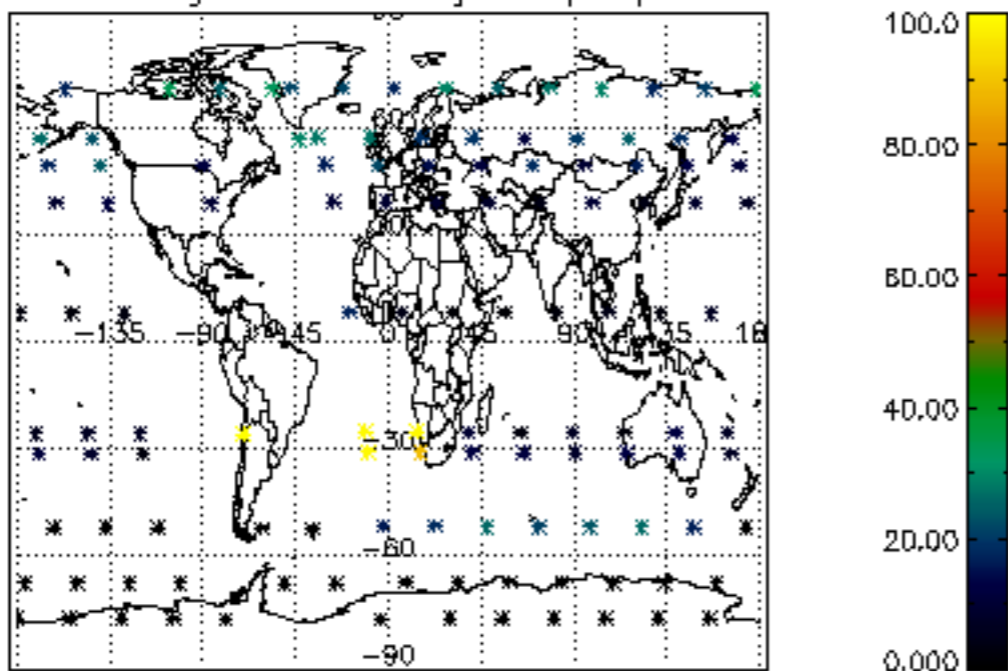
Percentage of flagged data per NO3 profile



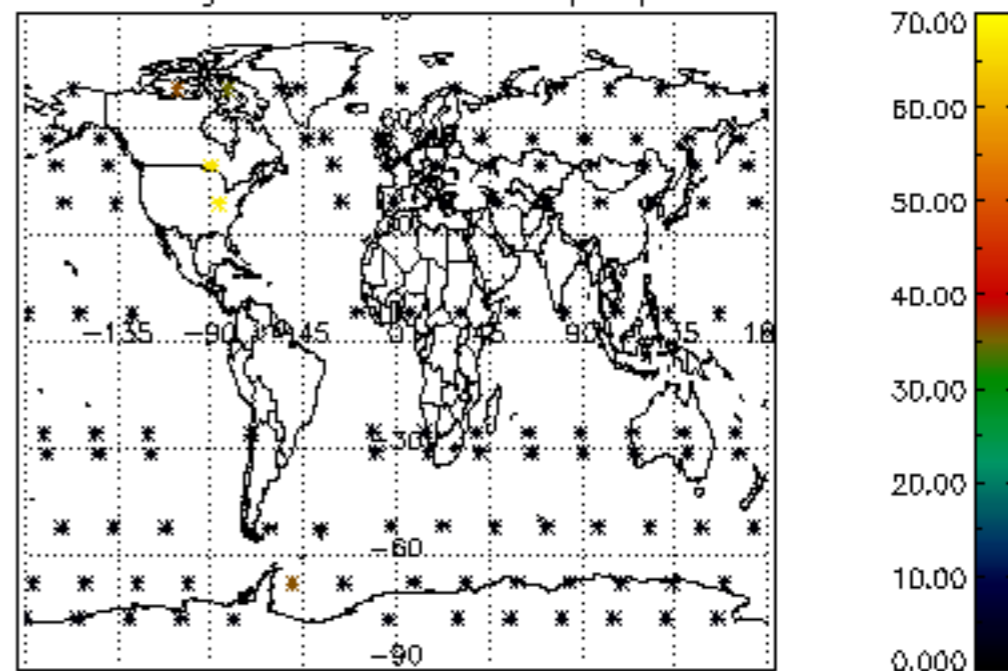




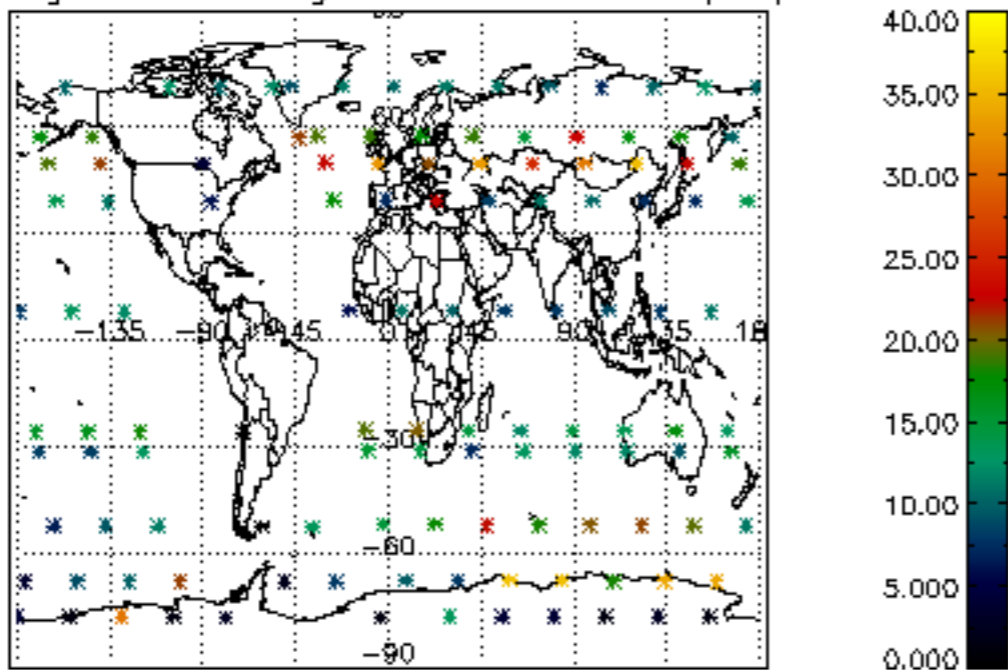
Percentage of cosmic ray hits per profile



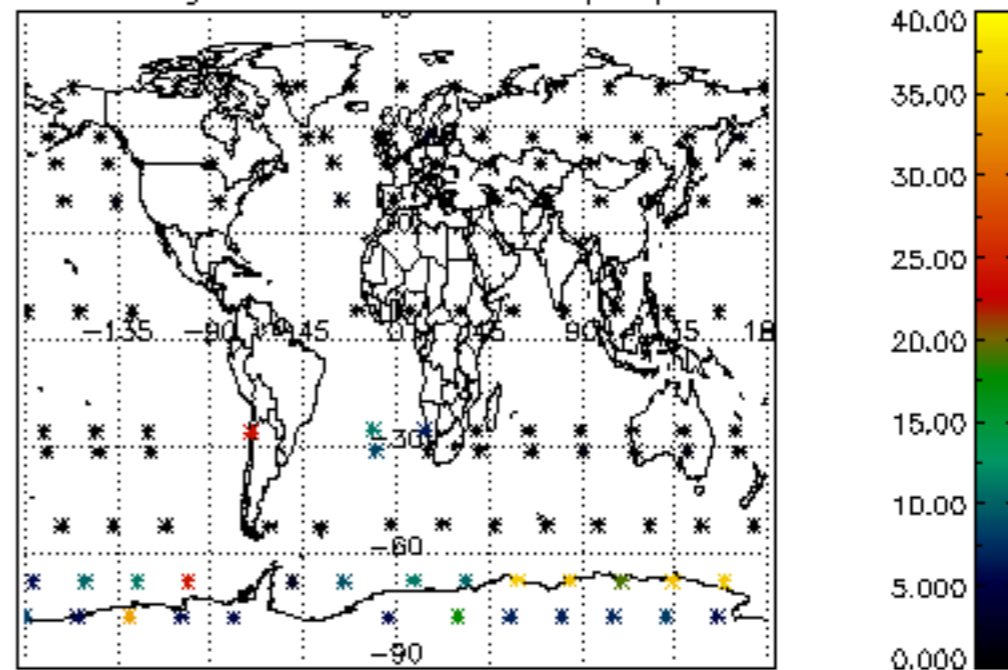
Percentage of datation errors per profile



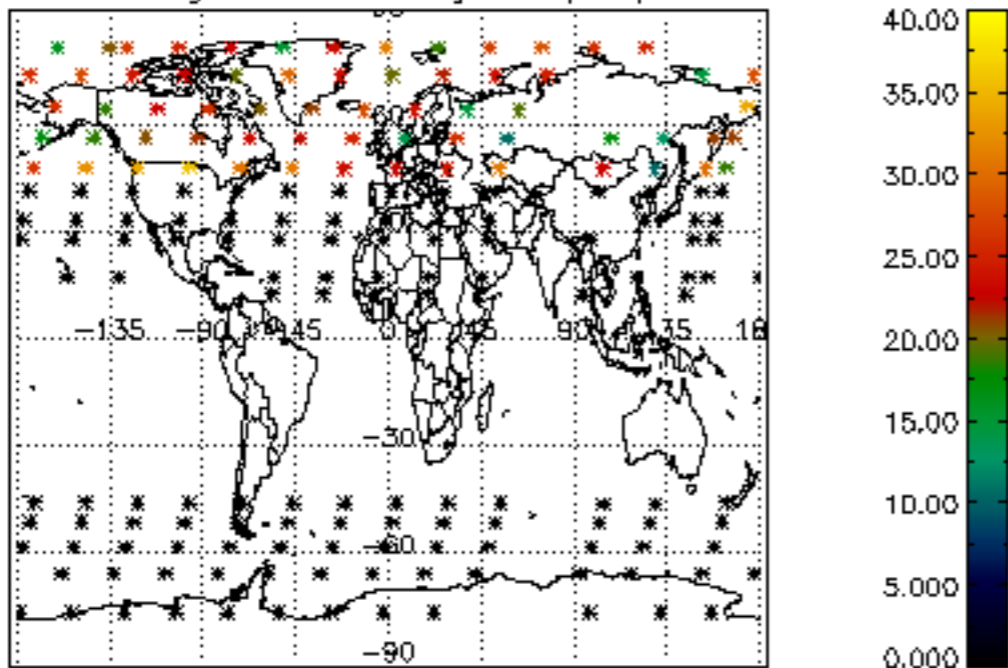
Percentage of star falling outside central band per profile



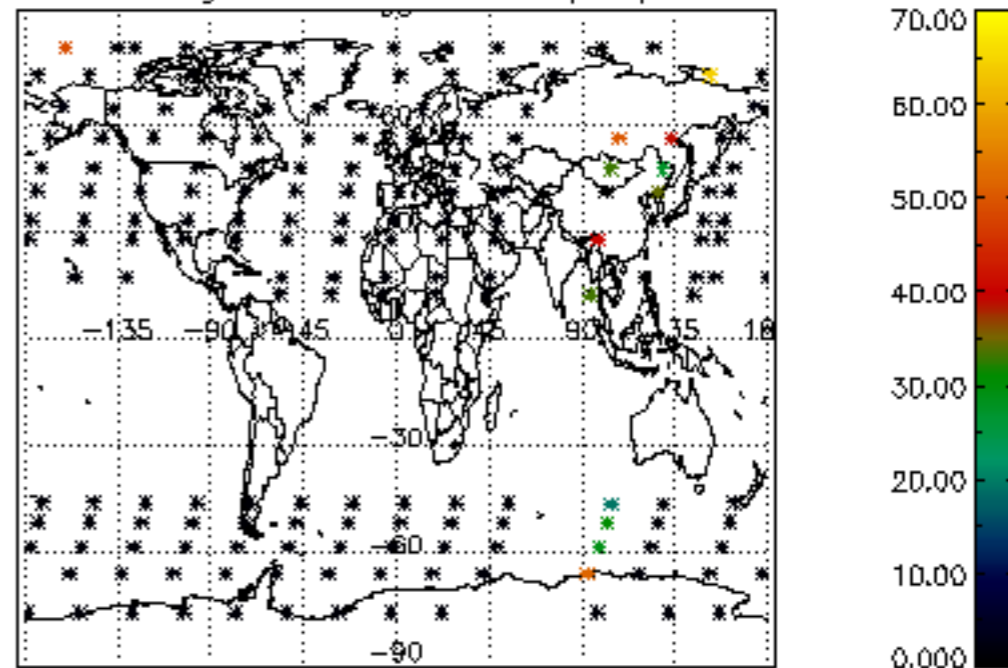
Percentage of saturation errors per profile



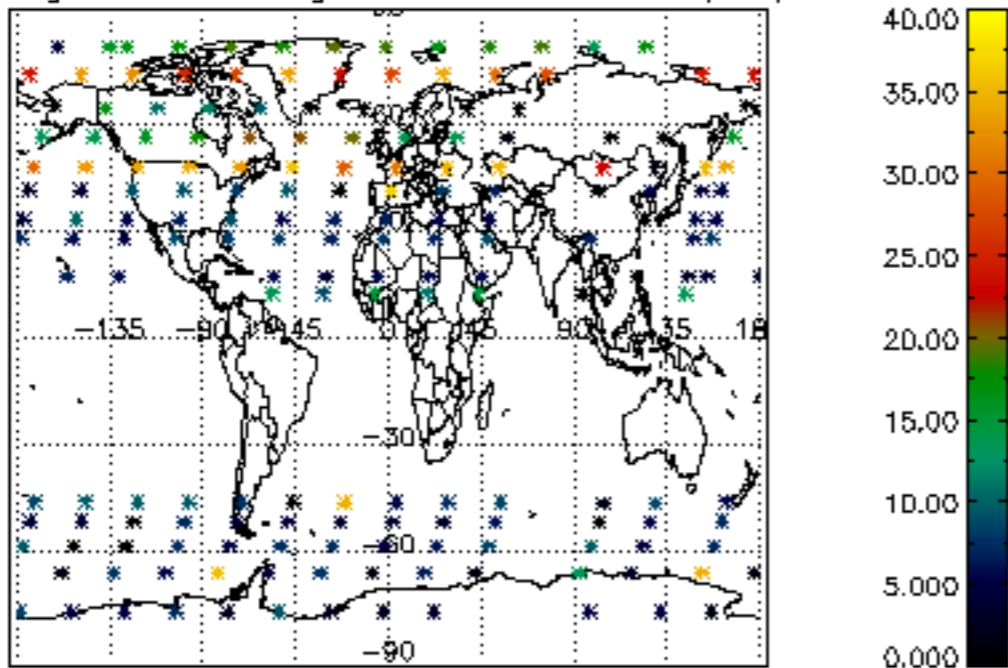
Percentage of cosmic ray hits per profile



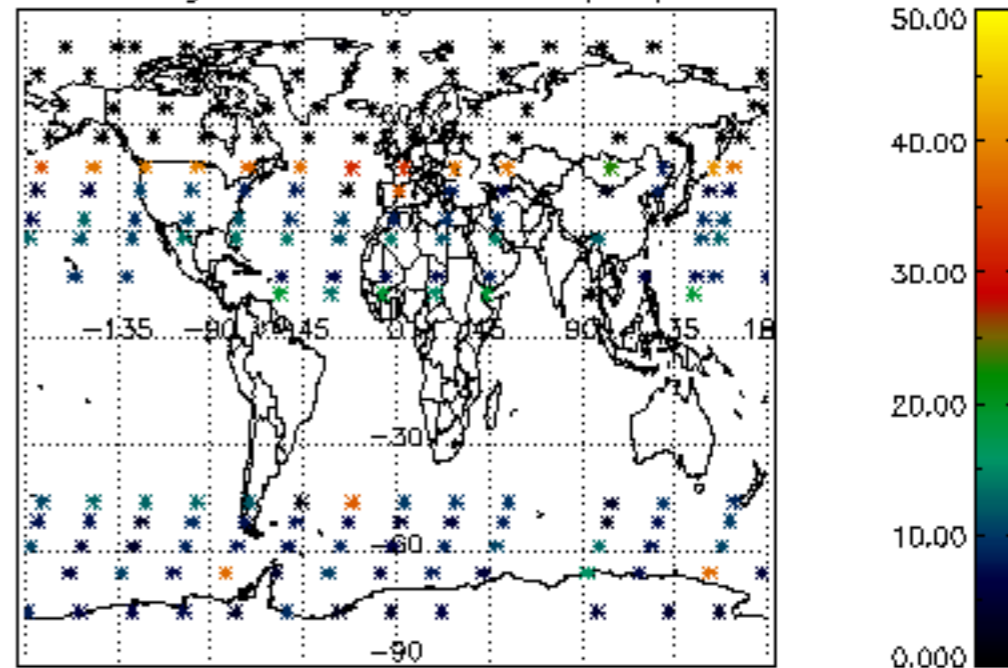
Percentage of datation errors per profile

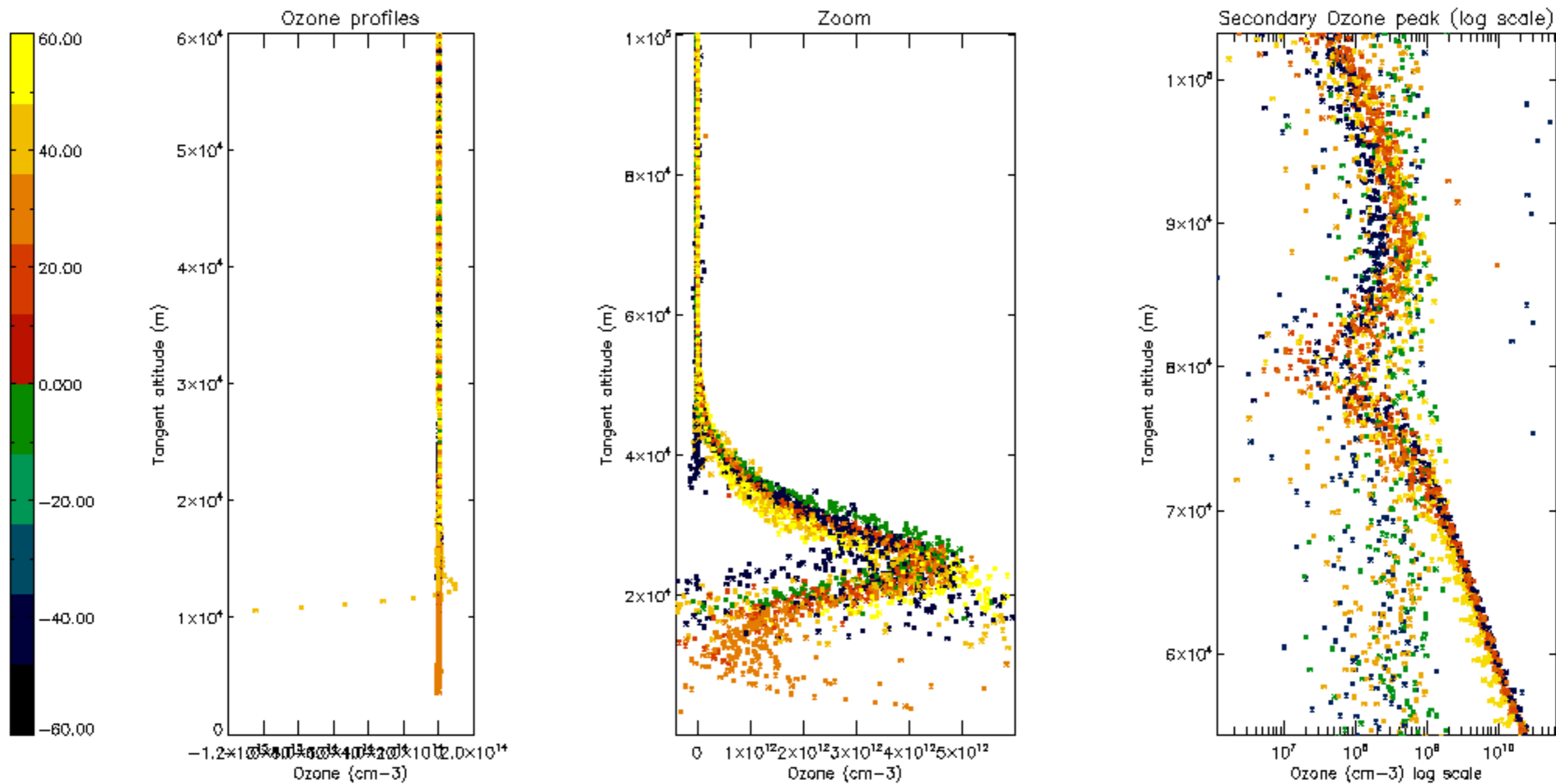


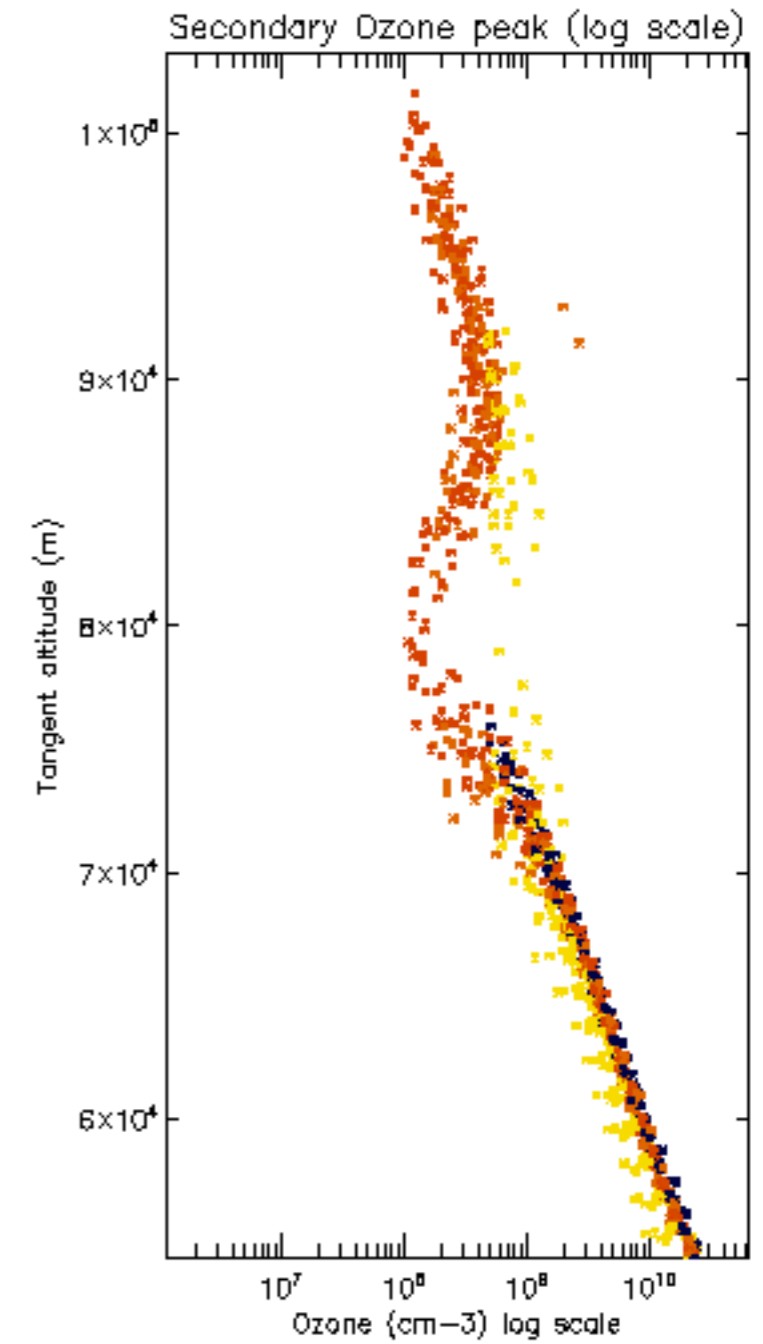
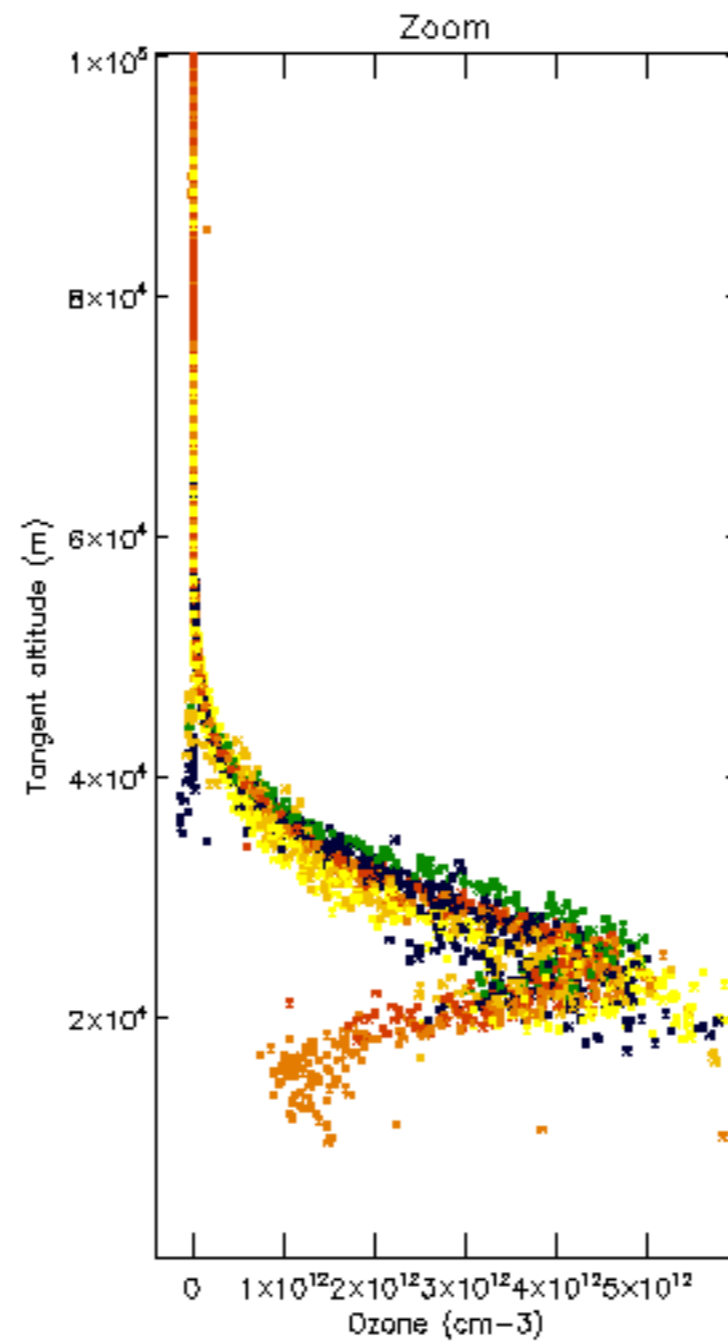
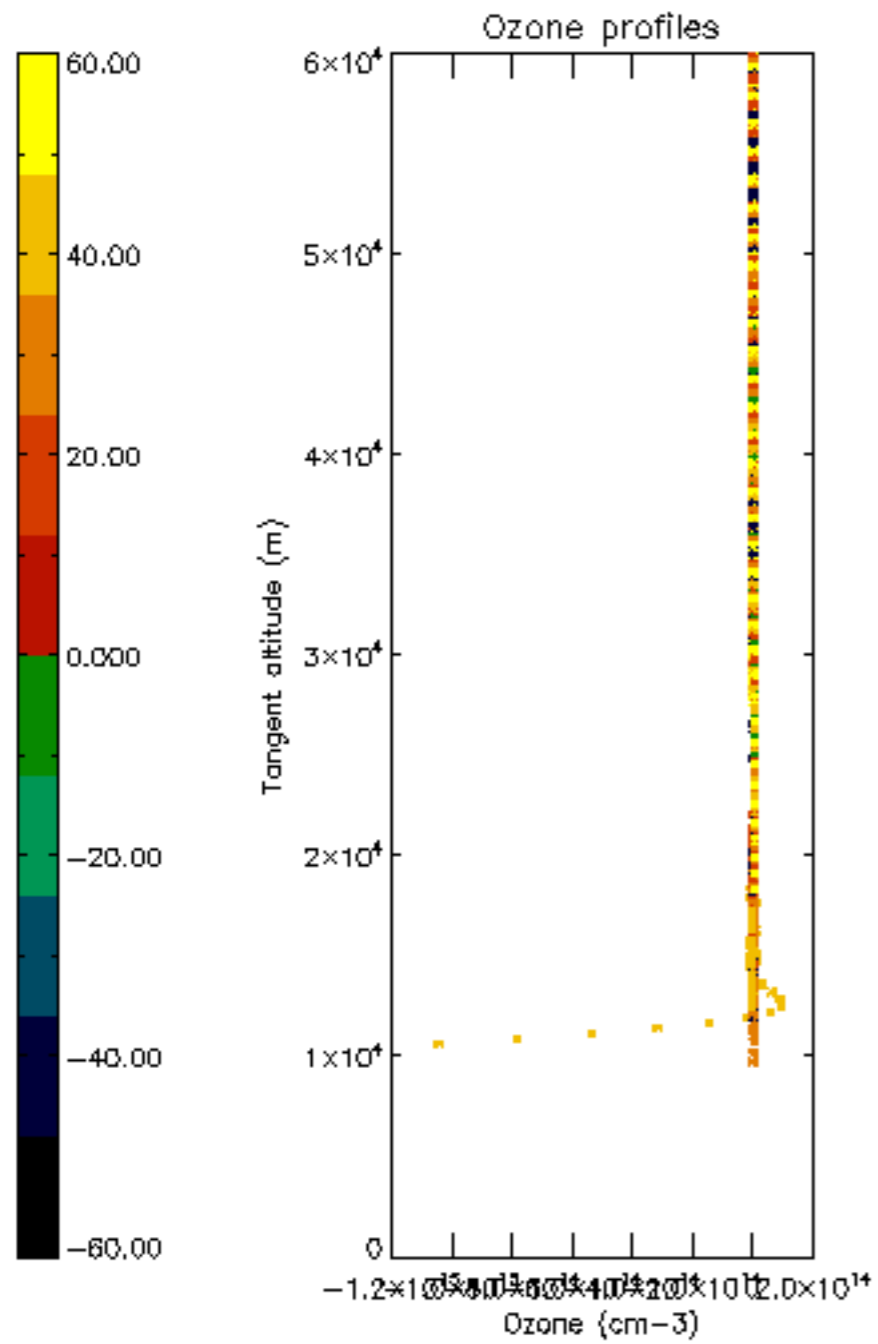
Percentage of star falling outside central band per profile



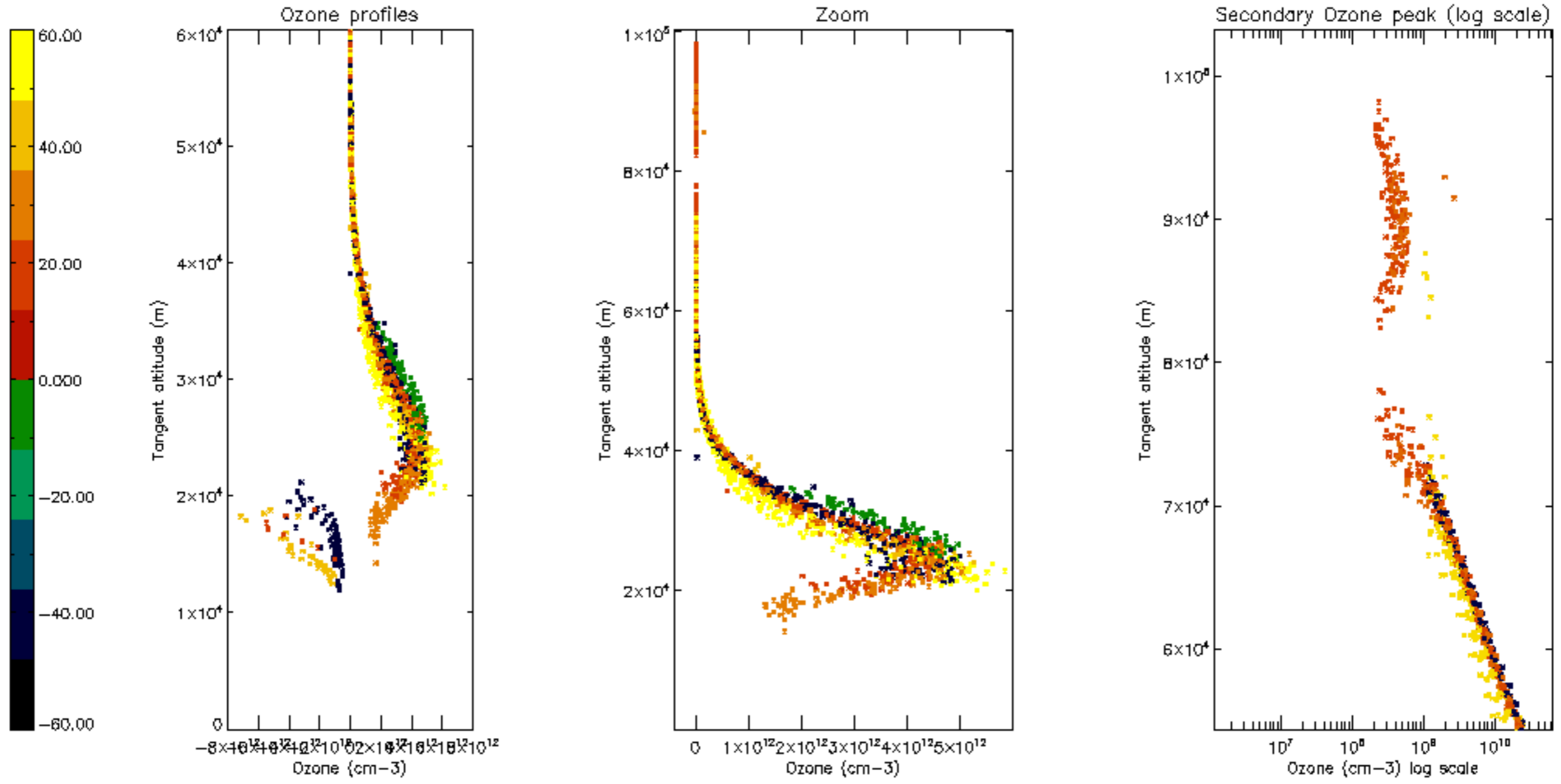
Percentage of saturation errors per profile

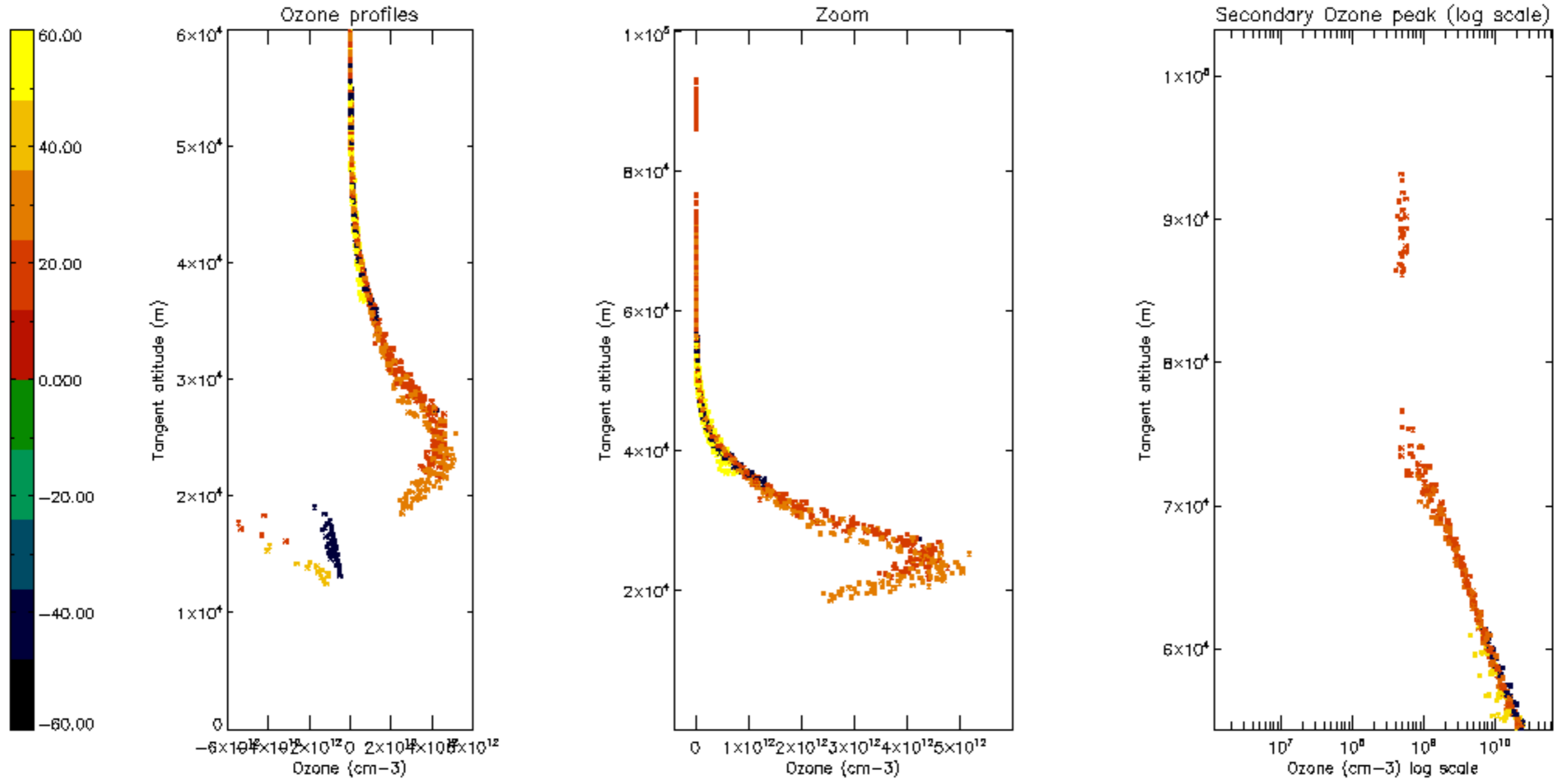


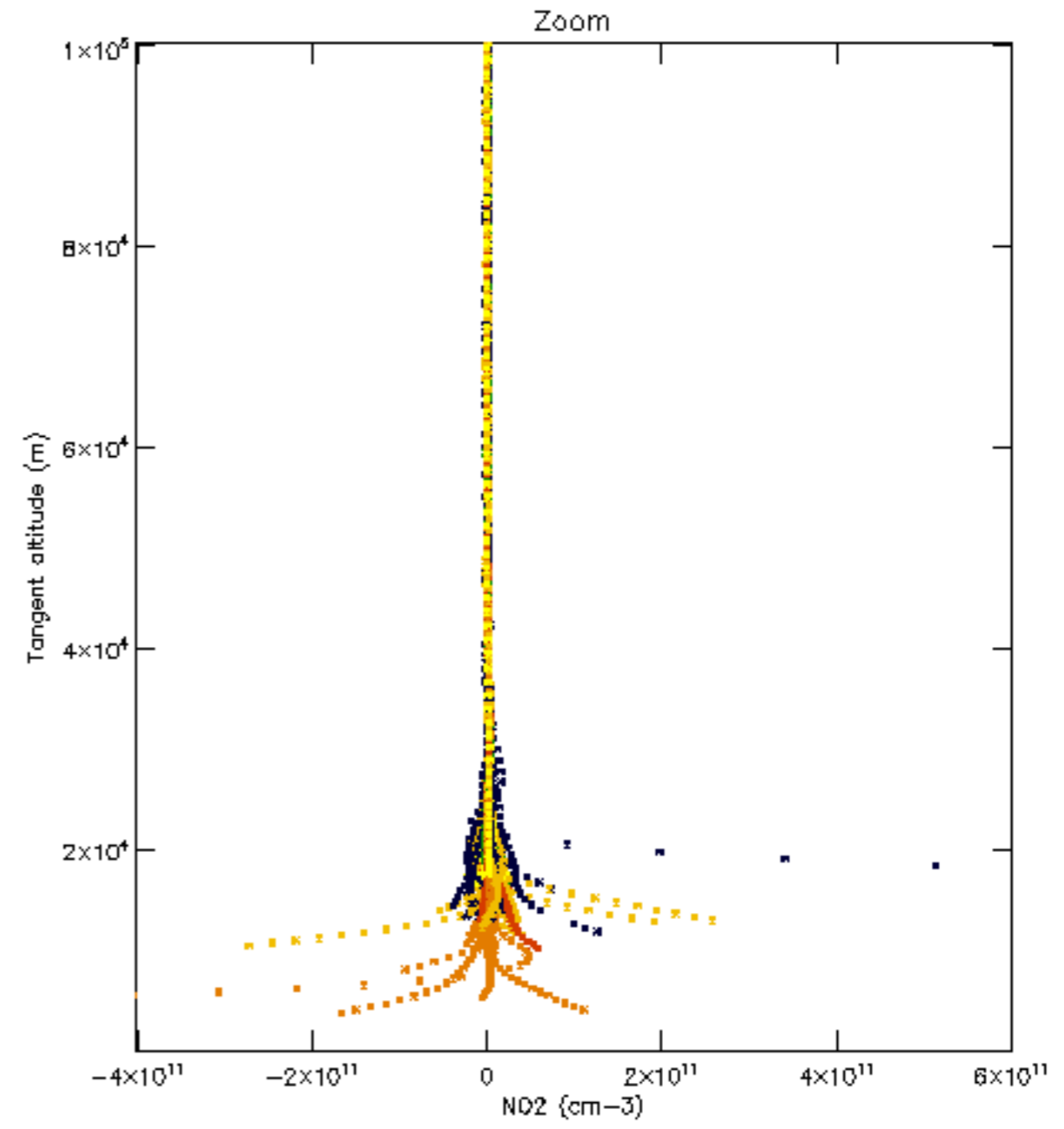
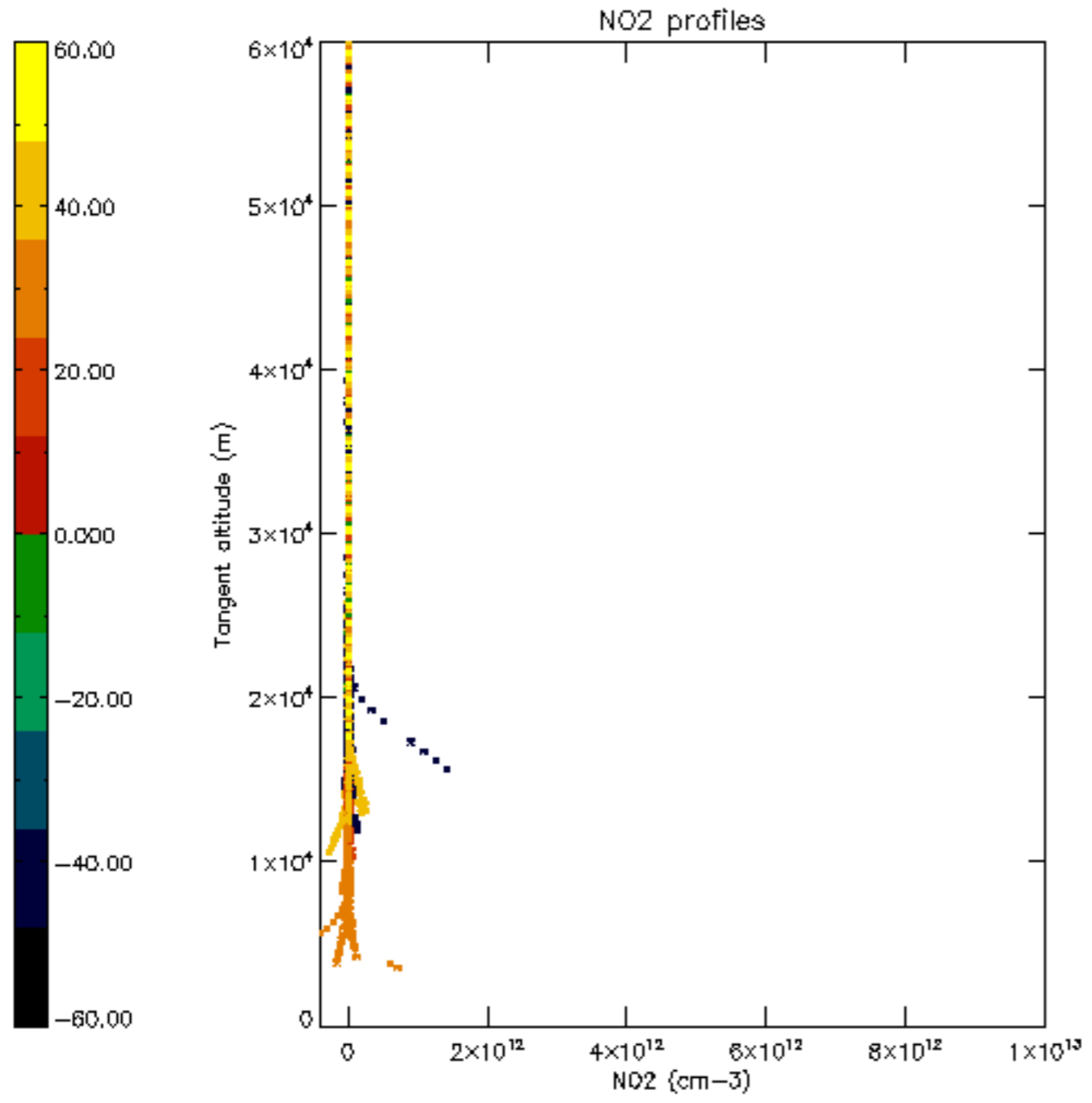


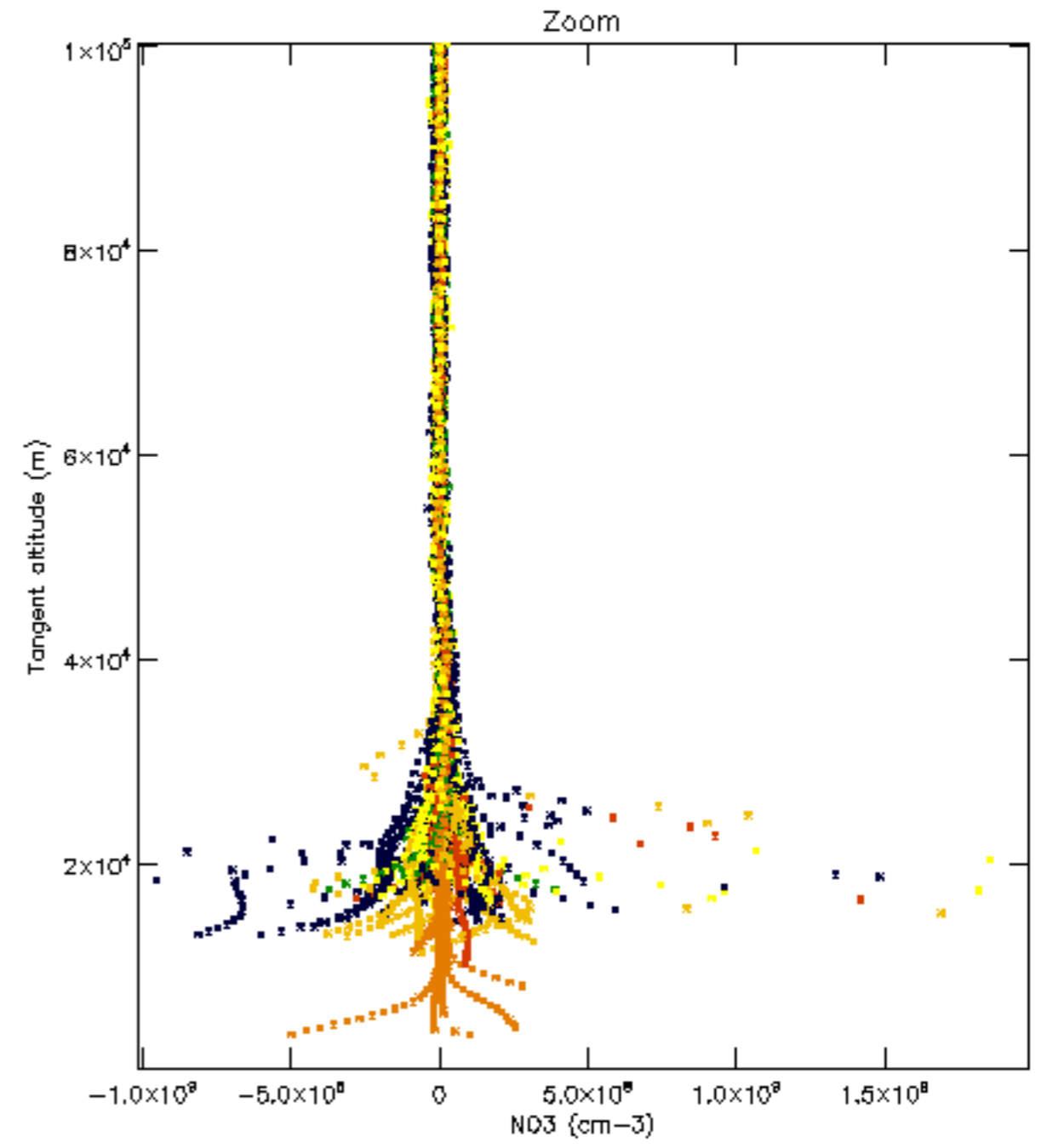
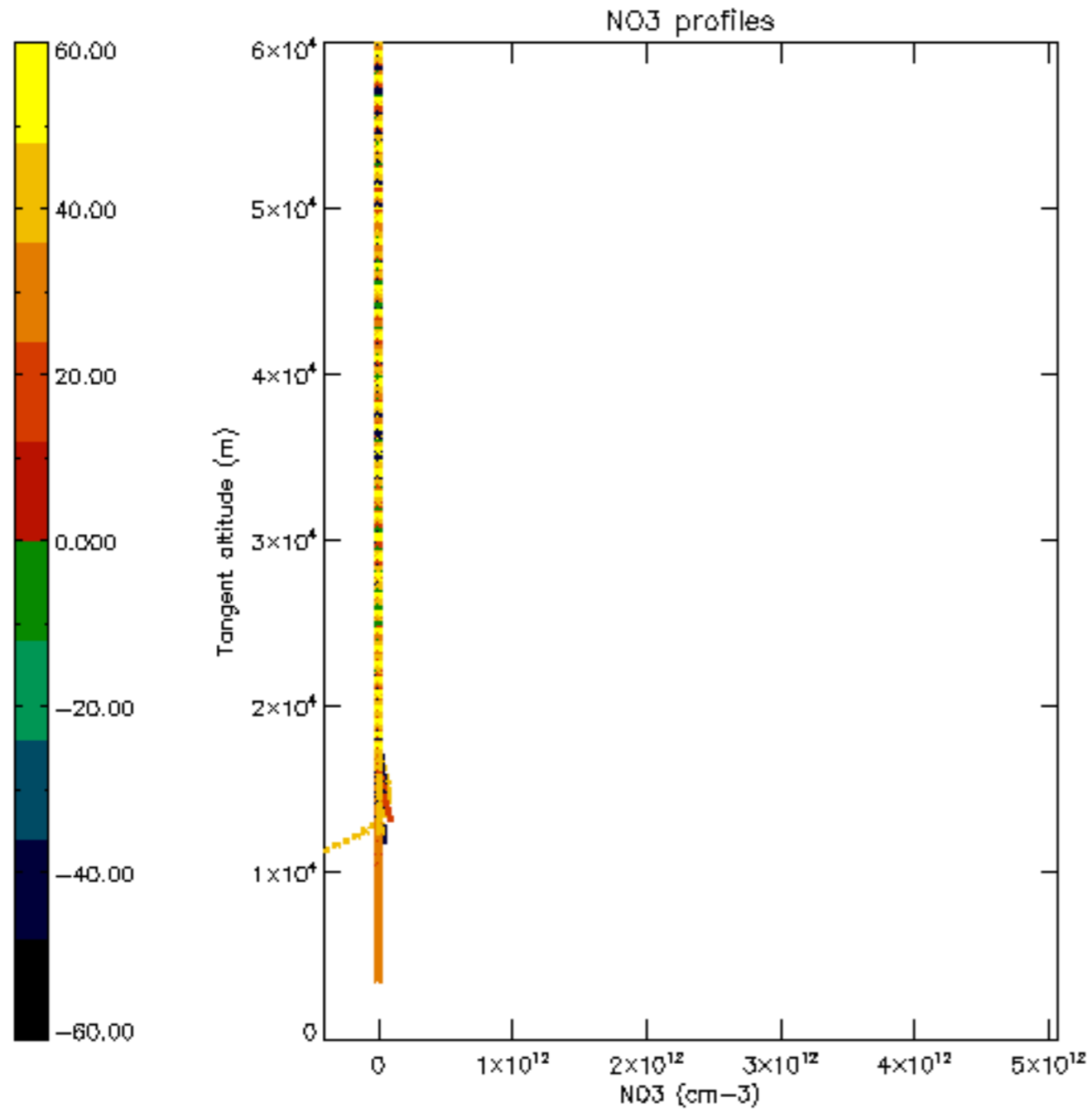


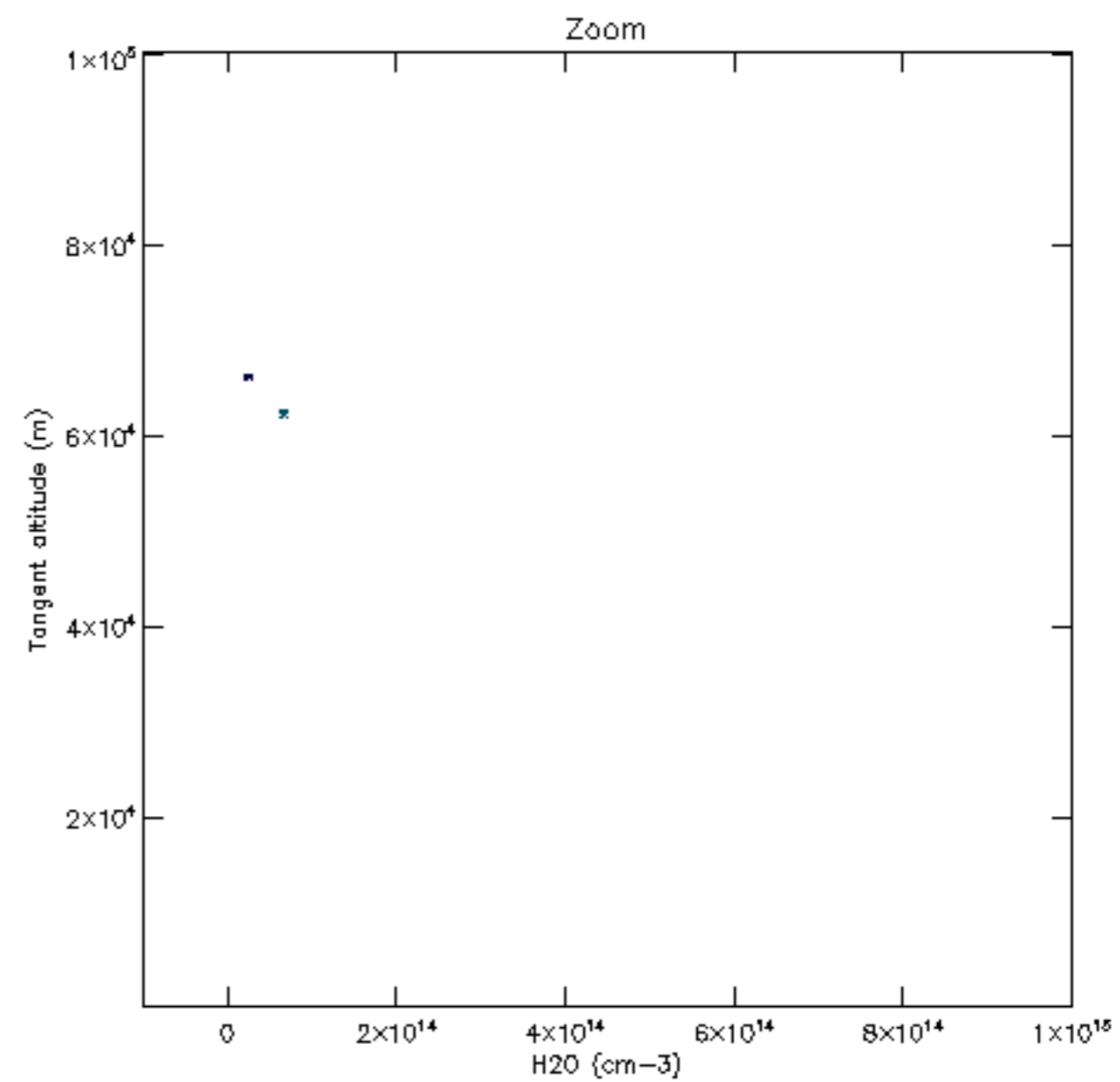
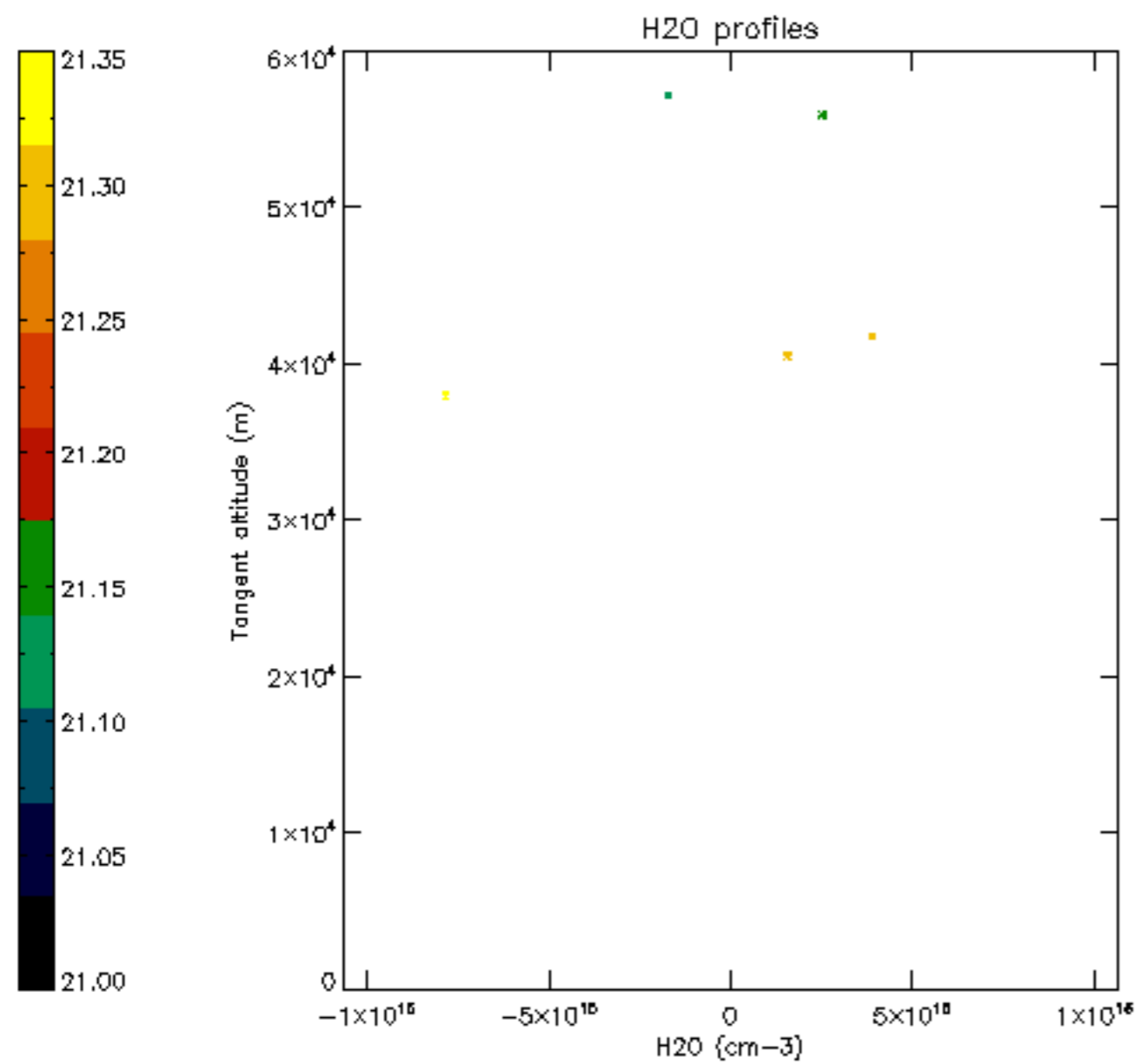


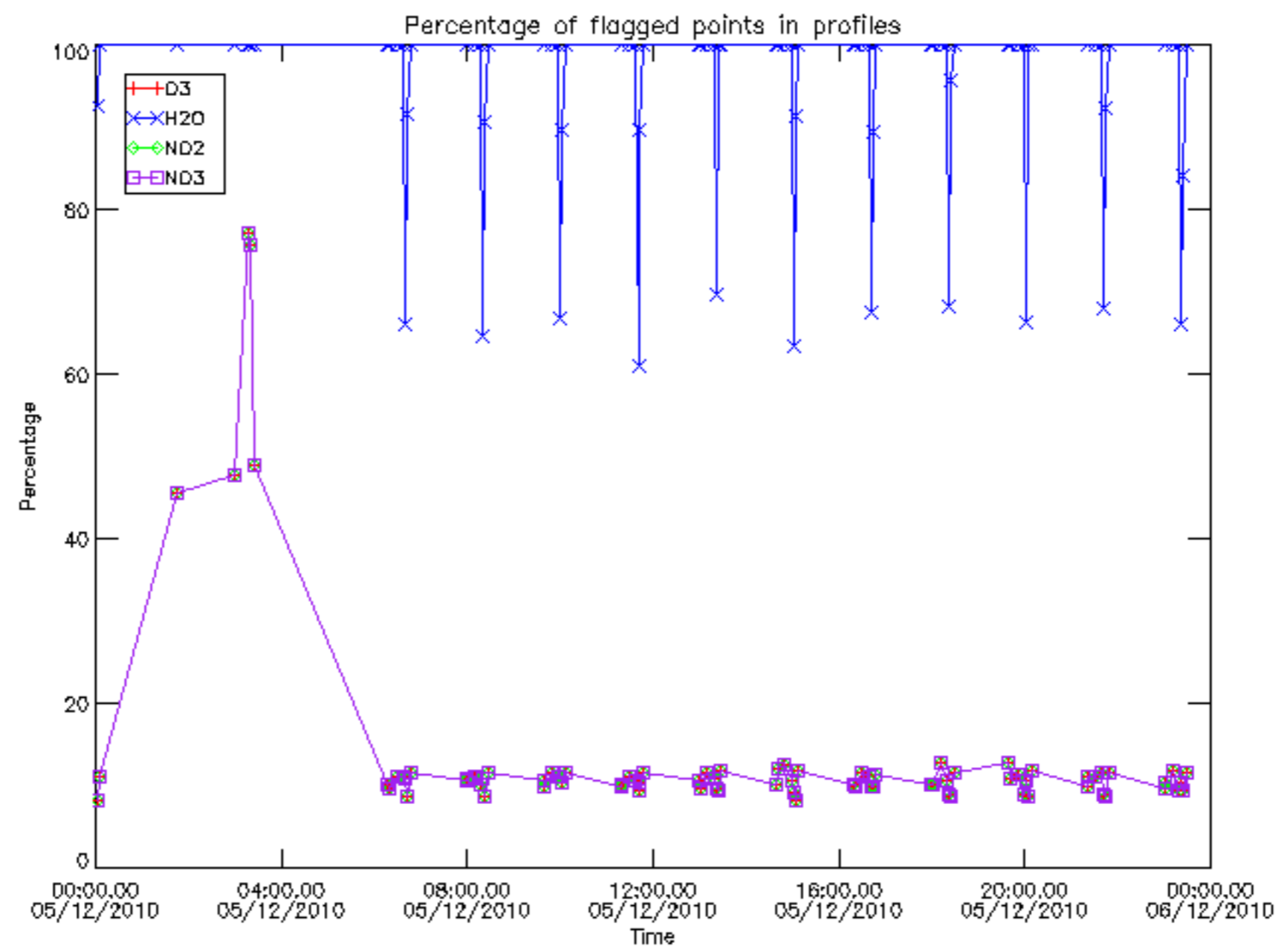




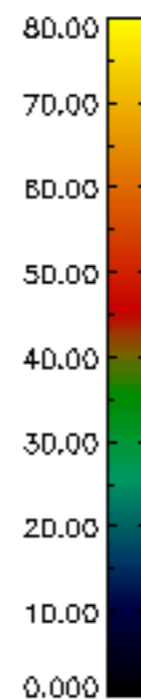
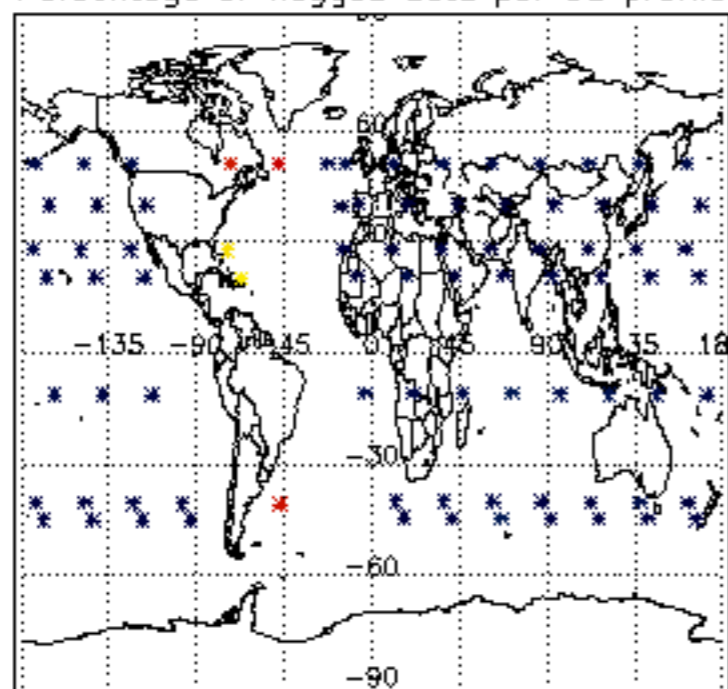




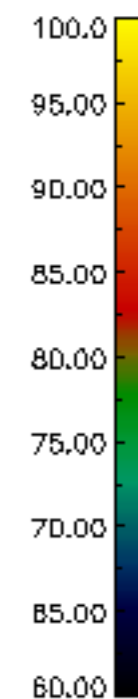
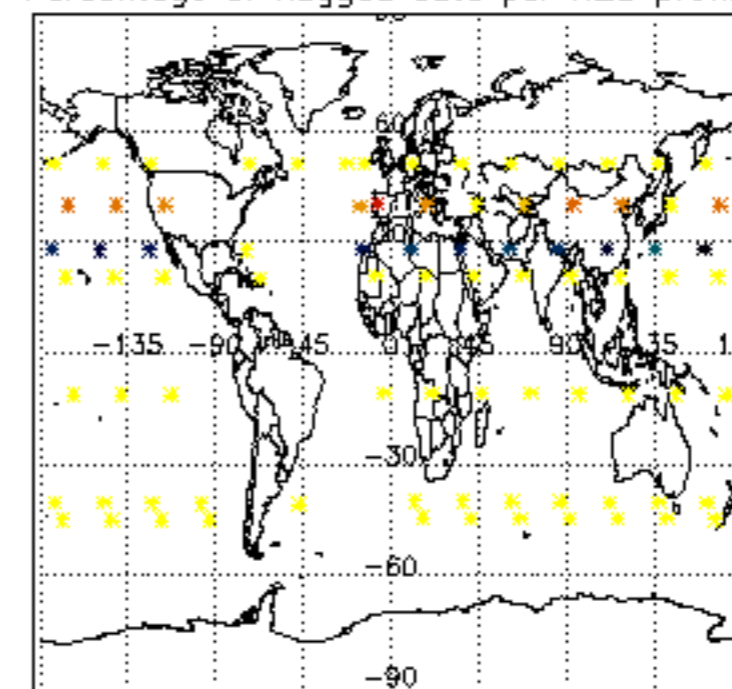




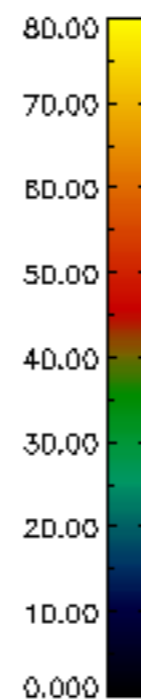
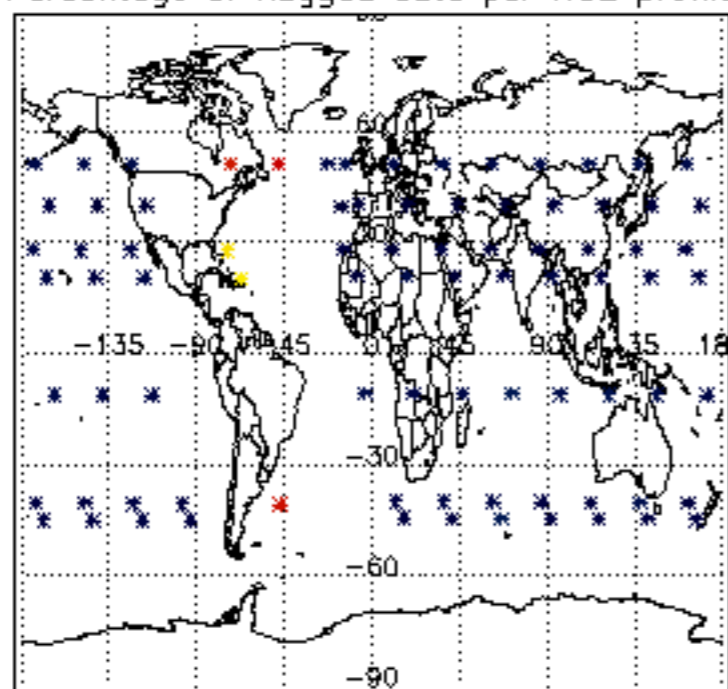
Percentage of flagged data per D3 profile



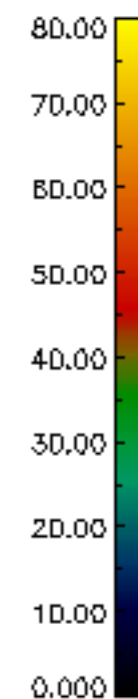
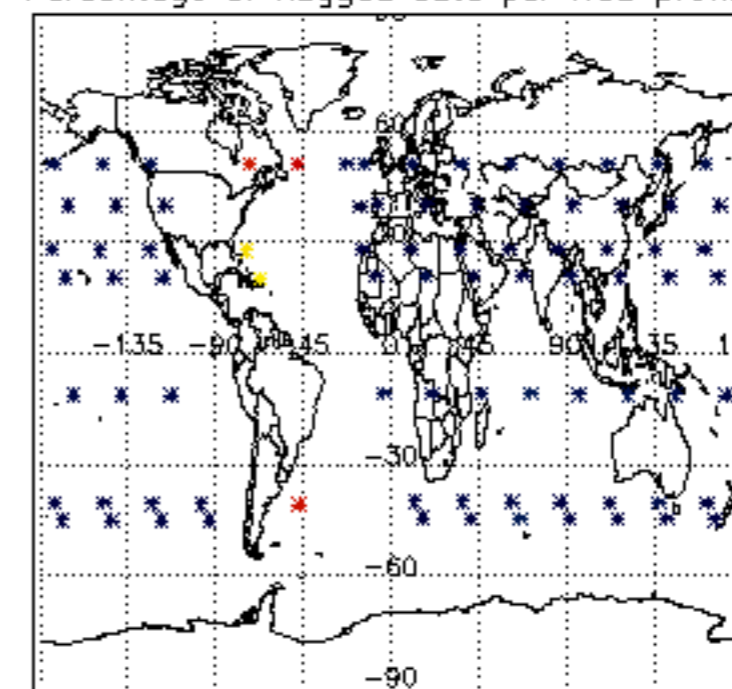
Percentage of flagged data per H2O profile

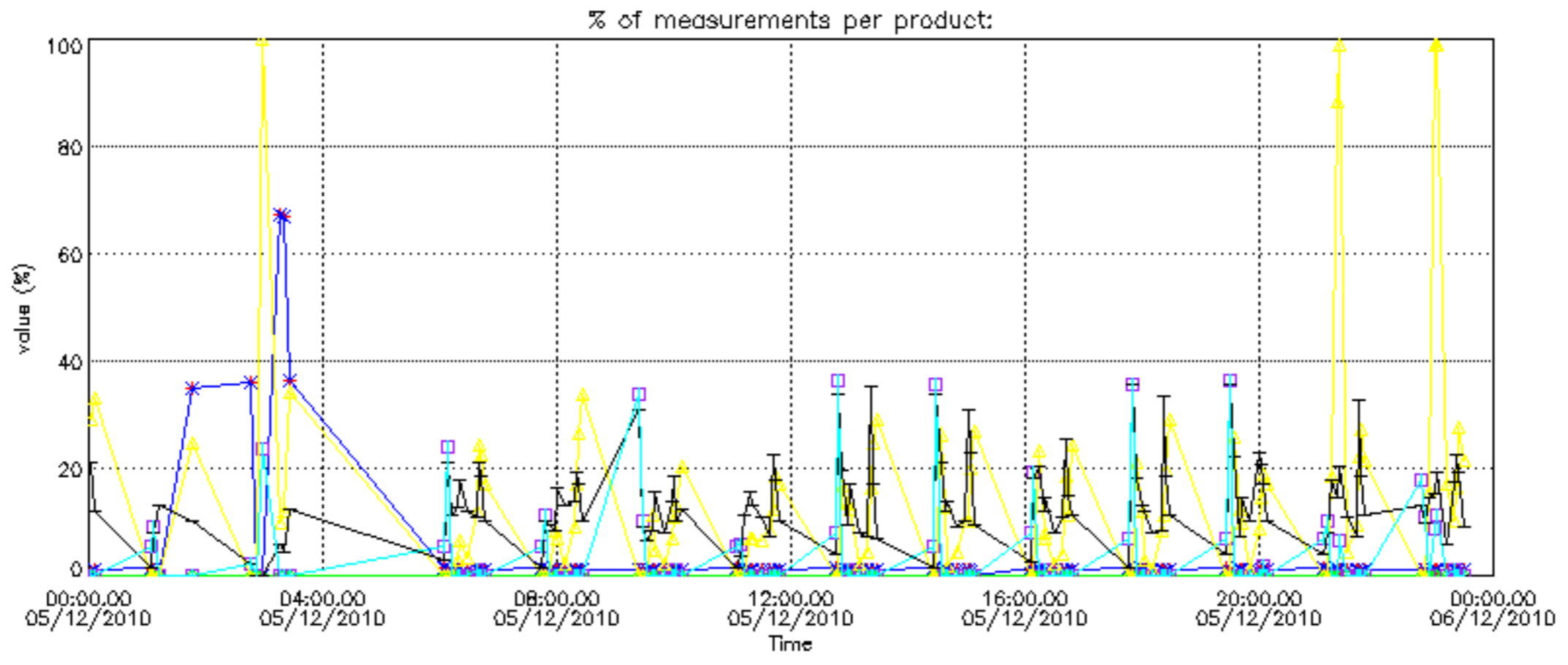


Percentage of flagged data per NO2 profile

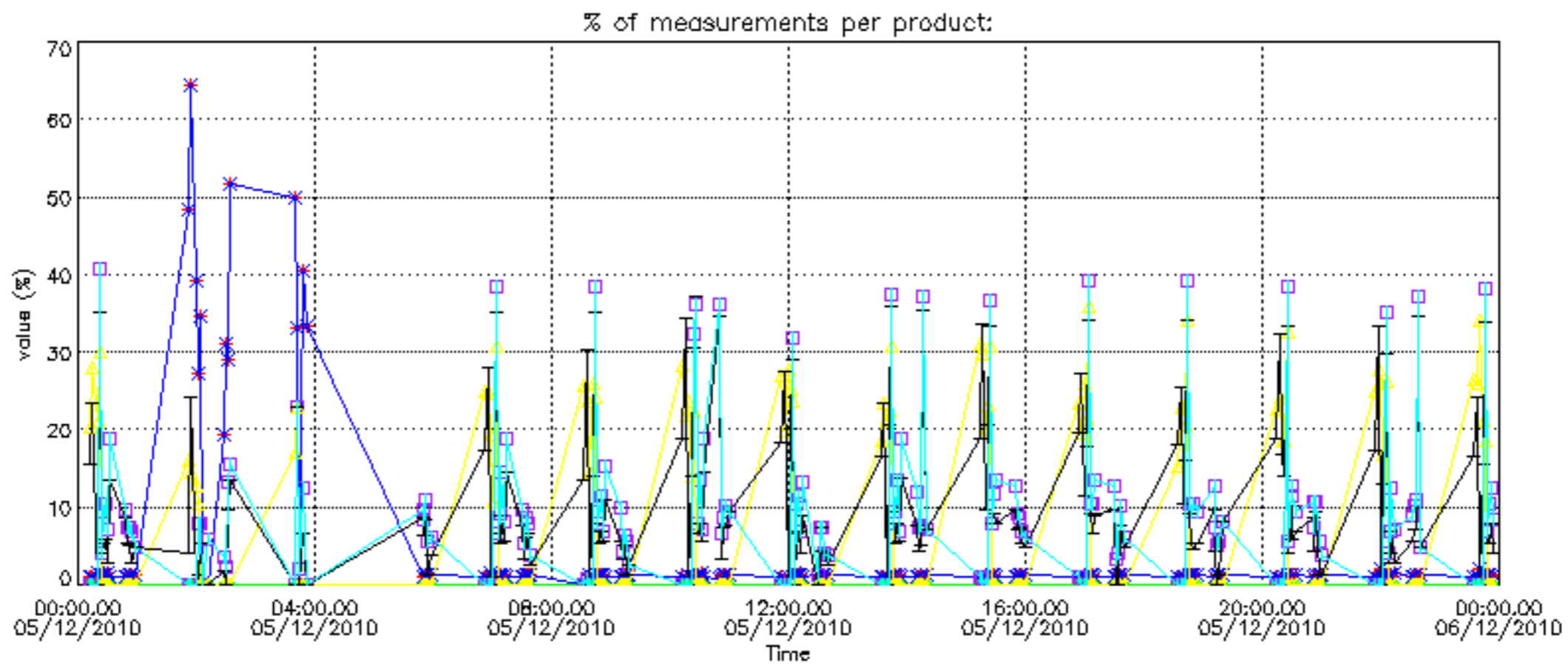


Percentage of flagged data per NO3 profile

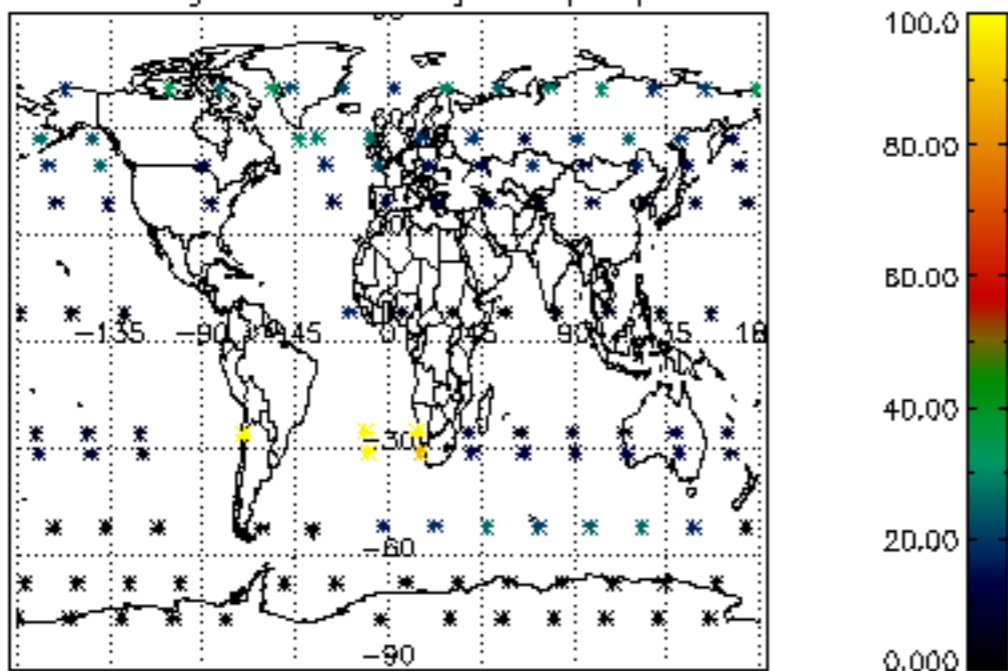




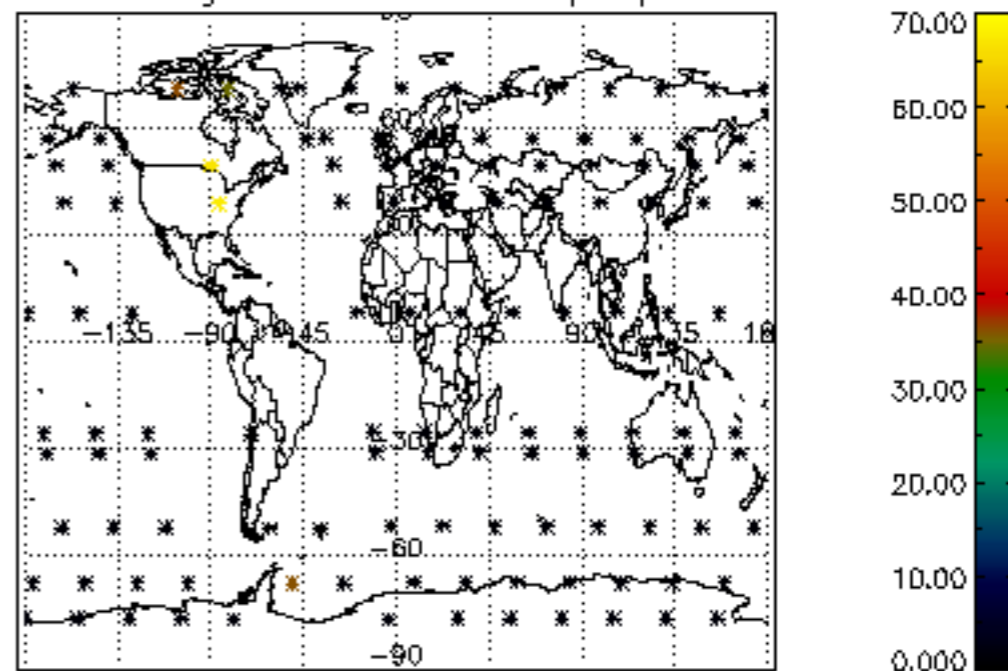




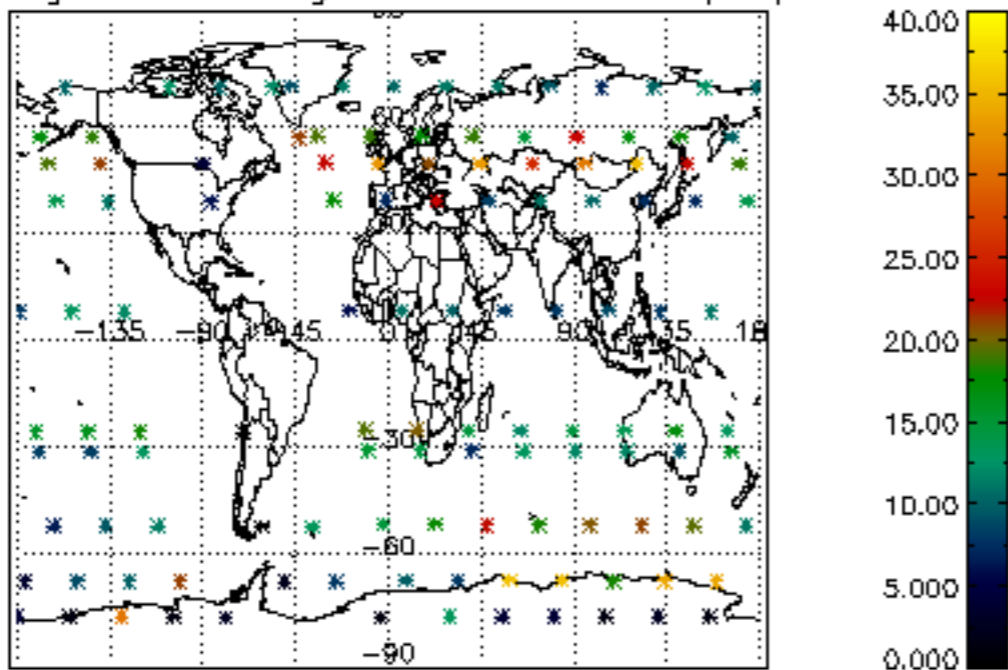
Percentage of cosmic ray hits per profile



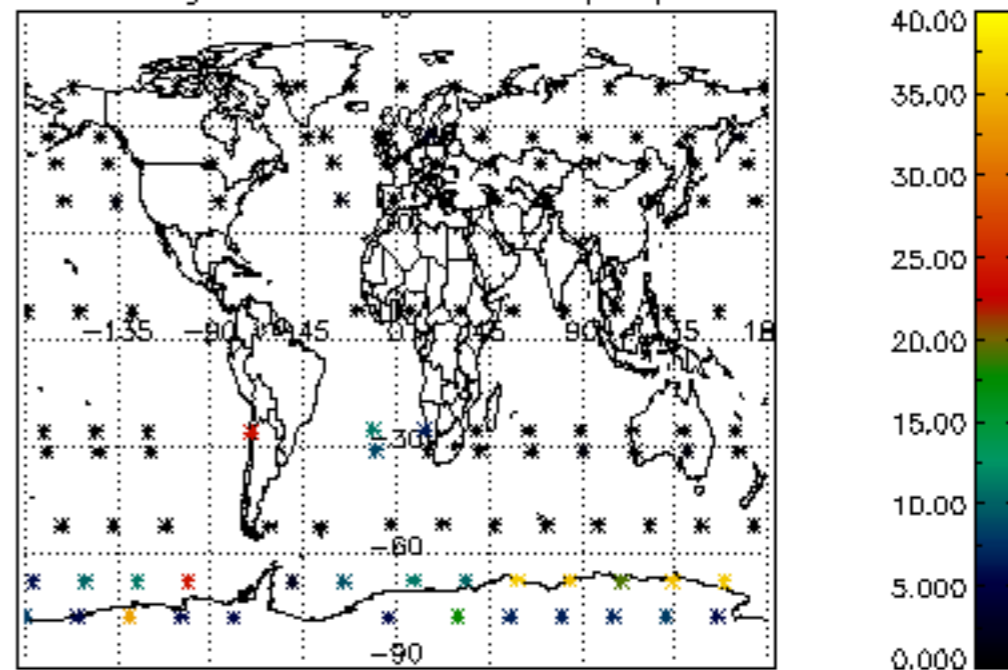
Percentage of datation errors per profile



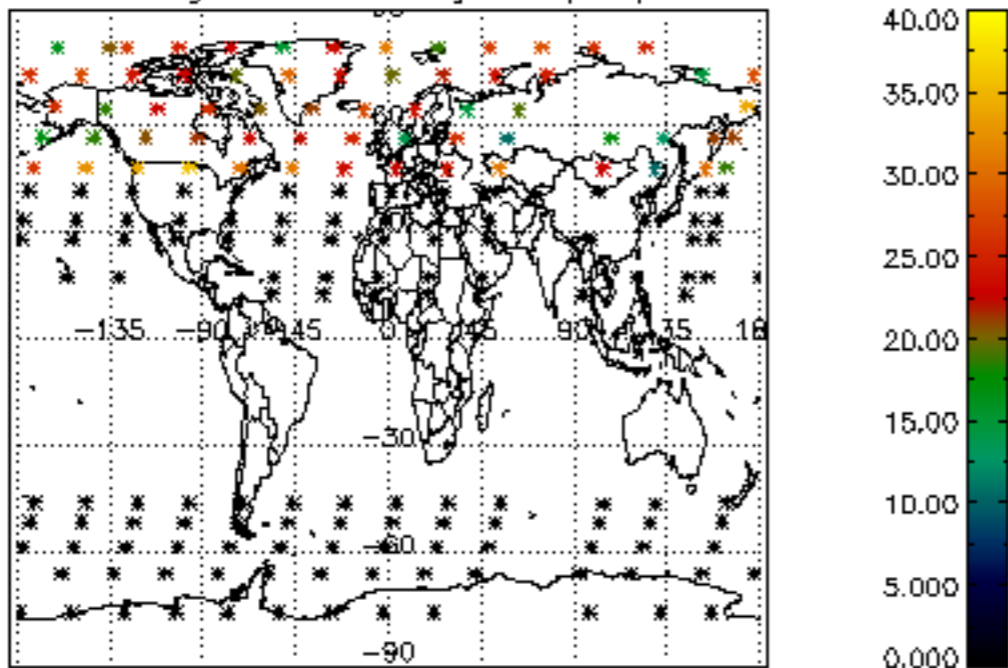
Percentage of star falling outside central band per profile



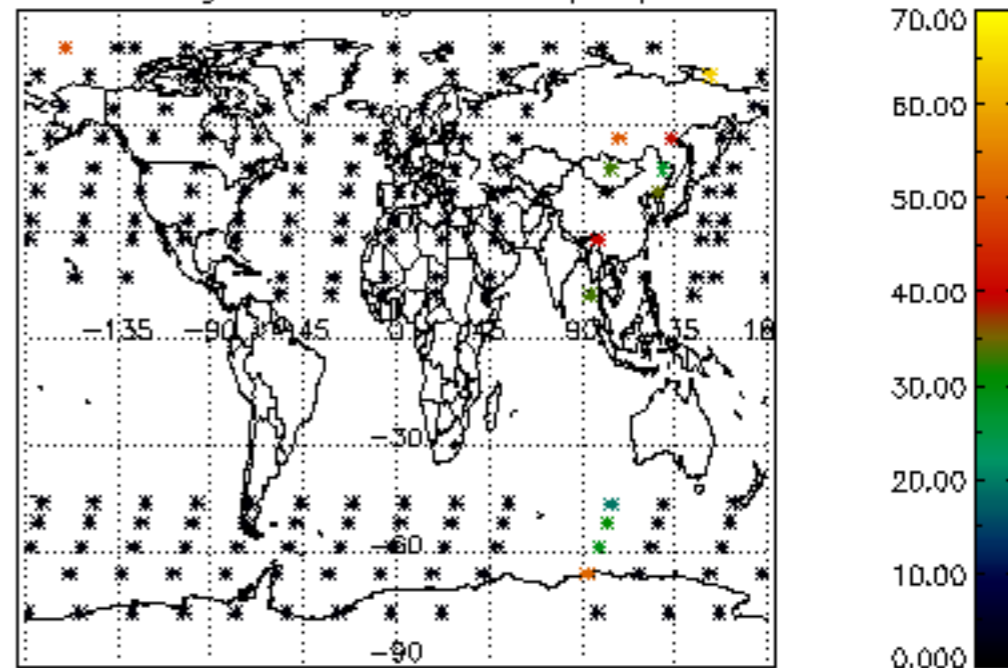
Percentage of saturation errors per profile



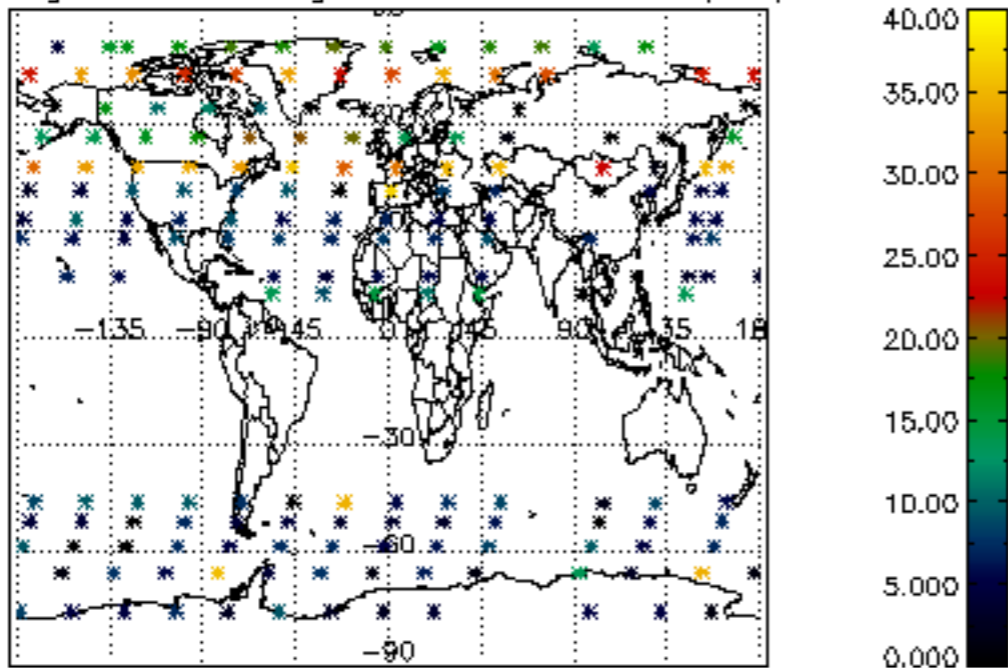
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

