

# 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 | 24APR2013 09:36:50              |
| Data source version       | GOMOS/6.01                      |
| Start time of products    | 25-01-2011 (25JAN2011 00:00:00) |
| Stop time of products     | 26-01-2011 (26JAN2011 00:00:00) |
| Store outputs in DB       | Yes                             |
| Nb of level 2 prods       | 267                             |
| Nb of prods with errors   | 0                               |

## 2. Summary of processed GOM\_NL\_\_2P products.

| Nr | Filename   | UTC Start time       | Limb       | Duration | Star Id | Star Name | Star Mag | Star Temp | Nb Meas | Orbit | Prod. error |
|----|--|----------------------|------------|----------|---------|-----------|----------|-----------|---------|-------|-------------|
| 1  | GOM_NL__2PRFIN20110125_000030_000000623098_00418_46553_1883.N1 | 25-JAN-2011 00:00:30 | Bright     | 62.000   | 102     | 24Alp Ser | 2.6000   | 4250.0    | 124     | 46553 | No          |
| 2  | GOM_NL__2PRFIN20110125_000337_000000463098_00418_46553_1884.N1 | 25-JAN-2011 00:03:37 | Twilight   | 45.500   | 98      | 13Zet Oph | 2.5710   | 30000.    | 91      | 46553 | No          |
| 3  | GOM_NL__2PRFIN20110125_000807_000000513098_00418_46553_1885.N1 | 25-JAN-2011 00:08:07 | Dark       | 50.500   | 16      | 21Alp Sco | 1.0200   | 3000.0    | 101     | 46553 | No          |
| 4  | GOM_NL__2PRFIN20110125_001543_000000443098_00418_46553_1886.N1 | 25-JAN-2011 00:15:43 | Dark       | 43.500   | 109     | Bet Lup   | 2.6770   | 26000.    | 87      | 46553 | No          |
| 5  | GOM_NL__2PRFIN20110125_001754_000000573098_00419_46554_1878.N1 | 25-JAN-2011 00:17:54 | Dark       | 56.500   | 54      | 5The Cen  | 2.0550   | 4500.0    | 113     | 46554 | No          |
| 6  | GOM_NL__2PRFIN20110125_002018_000000523098_00419_46554_1879.N1 | 25-JAN-2011 00:20:18 | Dark       | 51.500   | 10      | Bet Cen   | 0.61000  | 28000.    | 103     | 46554 | No          |
| 7  | GOM_NL__2PRFIN20110125_002345_000000433098_00419_46554_1880.N1 | 25-JAN-2011 00:23:45 | Dark       | 42.500   | 12      | Alp1Cru   | 0.77500  | 30000.    | 85      | 46554 | No          |
| 8  | GOM_NL__2PRFIN20110125_002919_000000473098_00419_46554_1881.N1 | 25-JAN-2011 00:29:19 | Dark       | 47.000   | 113     | Mu Vel    | 2.6920   | 5000.0    | 94      | 46554 | No          |
| 9  | GOM_NL__2PRFIN20110125_003048_000000423098_00419_46554_1882.N1 | 25-JAN-2011 00:30:48 | Dark       | 41.500   | 91      | Kap Vel   | 2.4900   | 26000.    | 83      | 46554 | No          |
| 10 | GOM_NL__2PRFIN20110125_003407_000000473098_00419_46554_1883.N1 | 25-JAN-2011 00:34:07 | Dark       | 47.000   | 65      | Lam Vel   | 2.2040   | 4400.0    | 94      | 46554 | No          |
| 11 | GOM_NL__2PRFIN20110125_004052_000000453098_00419_46554_1884.N1 | 25-JAN-2011 00:40:52 | Straylight | 45.000   | 132     | 15Rho Pup | 2.8030   | 6900.0    | 90      | 46554 | No          |
| 12 | GOM_NL__2PRFIN20110125_004957_000000533098_00419_46554_1885.N1 | 25-JAN-2011 00:49:57 | Twilight   | 52.500   | 8       | 10Alp CMi | 0.40000  | 6500.0    | 105     | 46554 | No          |
| 13 | GOM_NL__2PRFIN20110125_005653_000000443098_00419_46554_1886.N1 | 25-JAN-2011 00:56:53 | Bright     | 43.500   | 17      | 78Bet Gem | 1.1610   | 4500.0    | 87      | 46554 | No          |
| 14 | GOM_NL__2PRFIN20110125_011228_000000483098_00419_46554_1887.N1 | 25-JAN-2011 01:12:28 | Bright     | 48.000   | 36      | 50Alp UMa | 1.8000   | 6300.0    | 96      | 46554 | No          |
| 15 | GOM_NL__2PRFIN20110125_011711_000000383098_00419_46554_1888.N1 | 25-JAN-2011 01:17:11 | Bright     | 38.000   | 60      | 7Bet UMi  | 2.0810   | 3950.0    | 76      | 46554 | No          |
| 16 | GOM_NL__2PRFIN20110125_012145_000000393098_00419_46554_1889.N1 | 25-JAN-2011 01:21:45 | Bright     | 39.000   | 119     | 14Eta Dra | 2.7270   | 4700.0    | 78      | 46554 | No          |
| 17 | GOM_NL__2PRFIN20110125_012440_000000383098_00419_46554_1890.N1 | 25-JAN-2011 01:24:40 | Bright     | 37.500   | 130     | 23Bet Dra | 2.7990   | 5800.0    | 75      | 46554 | No          |
| 18 | GOM_NL__2PRFIN20110125_013106_000000593098_00419_46554_1891.N1 | 25-JAN-2011 01:31:06 | Bright     | 59.000   | 133     | 40Zet Her | 2.8070   | 6000.0    | 118     | 46554 | No          |
| 19 | GOM_NL__2PRFIN20110125_013426_000000613098_00419_46554_1892.N1 | 25-JAN-2011 01:34:26 | Bright     | 61.000   | 127     | 27Bet Her | 2.7810   | 4700.0    | 122     | 46554 | No          |
| 20 | GOM_NL__2PRFIN20110125_014044_000000613098_00419_46554_1893.N1 | 25-JAN-2011 01:40:44 | Twilight   | 60.500   | 102     | 24Alp Ser | 2.6000   | 4250.0    | 121     | 46554 | No          |
| 21 | GOM_NL__2PRFIN20110125_014351_000000463098_00419_46554_1894.N1 | 25-JAN-2011 01:43:51 | Twilight   | 45.500   | 98      | 13Zet Oph | 2.5710   | 30000.    | 91      | 46554 | No          |
| 22 | GOM_NL__2PRFIN20110125_014722_000000263098_00419_46554_1895.N1 | 25-JAN-2011 01:47:22 | Dark       | 26.000   | 104     | 27Bet Lib | 2.6140   | 13100.    | 52      | 46554 | No          |
| 23 | GOM_NL__2PRFIN20110125_014821_000000533098_00419_46554_1896.N1 | 25-JAN-2011 01:48:21 | Dark       | 53.000   | 16      | 21Alp Sco | 1.0200   | 3000.0    | 106     | 46554 | No          |
| 24 | GOM_NL__2PRFIN20110125_015355_000000433098_00419_46554_1897.N1 | 25-JAN-2011 01:53:55 | Dark       | 42.500   | 131     | Gam Lup   | 2.8000   | 26000.    | 85      | 46554 | No          |
| 25 | GOM_NL__2PRFIN20110125_015557_000000463098_00419_46554_1898.N1 | 25-JAN-2011 01:55:57 | Dark       | 45.500   | 109     | Bet Lup   | 2.6770   | 26000.    | 91      | 46554 | No          |
| 26 | GOM_NL__2PRFIN20110125_015810_000000563098_00420_46555_1887.N1 | 25-JAN-2011 01:58:10 | Dark       | 56.000   | 54      | 5The Cen  | 2.0550   | 4500.0    | 112     | 46555 | No          |
| 27 | GOM_NL__2PRFIN20110125_020033_000000433098_00420_46555_1888.N1 | 25-JAN-2011 02:00:33 | Dark       | 43.000   | 10      | Bet Cen   | 0.61000  | 28000.    | 86      | 46555 | No          |
| 28 | GOM_NL__2PRFIN20110125_020359_000000443098_00420_46555_1889.N1 | 25-JAN-2011 02:03:59 | Dark       | 43.500   | 12      | Alp1Cru   | 0.77500  | 30000.    | 87      | 46555 | No          |
| 29 | GOM_NL__2PRFIN20110125_020933_000000463098_00420_46555_1890.N1 | 25-JAN-2011 02:09:33 | Dark       | 46.000   | 113     | Mu Vel    | 2.6920   | 5000.0    | 92      | 46555 | No          |
| 30 | GOM_NL__2PRFIN20110125_021102_000000403098_00420_46555_1891.N1 | 25-JAN-2011 02:11:02 | Dark       | 39.500   | 91      | Kap Vel   | 2.4900   | 26000.    | 79      | 46555 | No          |
| 31 | GOM_NL__2PRFIN20110125_021422_000000493098_00420_46555_1892.N1 | 25-JAN-2011 02:14:22 | Dark       | 48.500   | 65      | Lam Vel   | 2.2040   | 4400.0    | 97      | 46555 | No          |
| 32 | GOM_NL__2PRFIN20110125_022106_000000433098_00420_46555_1893.N1 | 25-JAN-2011 02:21:06 | Straylight | 43.000   | 132     | 15Rho Pup | 2.8030   | 6900.0    | 86      | 46555 | No          |
| 33 | GOM_NL__2PRFIN20110125_023010_000000463098_00420_46555_1894.N1 | 25-JAN-2011 02:30:10 | Twilight   | 45.500   | 8       | 10Alp CMi | 0.40000  | 6500.0    | 91      | 46555 | No          |
| 34 | GOM_NL__2PRFIN20110125_023707_000000443098_00420_46555_1895.N1 | 25-JAN-2011 02:37:07 | Bright     | 44.000   | 17      | 78Bet Gem | 1.1610   | 4500.0    | 88      | 46555 | No          |
| 35 | GOM_NL__2PRFIN20110125_025241_000000473098_00420_46555_1896.N1 | 25-JAN-2011 02:52:41 | Bright     | 46.500   | 36      | 50Alp UMa | 1.8000   | 6300.0    | 93      | 46555 | No          |
| 36 | GOM_NL__2PRFIN20110125_025725_000000373098_00420_46555_1897.N1 | 25-JAN-2011 02:57:25 | Bright     | 36.500   | 60      | 7Bet UMi  | 2.0810   | 3950.0    | 73      | 46555 | No          |
| 37 | GOM_NL__2PRFIN20110125_030159_000000393098_00420_46555_1898.N1 | 25-JAN-2011 03:01:59 | Bright     | 39.000   | 119     | 14Eta Dra | 2.7270   | 4700.0    | 78      | 46555 | No          |
| 38 | GOM_NL__2PRFIN20110125_030454_000000363098_00420_46555_1899.N1 | 25-JAN-2011 03:04:54 | Bright     | 36.000   | 130     | 23Bet Dra | 2.7990   | 5800.0    | 72      | 46555 | No          |
| 39 | GOM_NL__2PRFIN20110125_031120_000000393098_00420_46555_1900.N1 | 25-JAN-2011 03:11:20 | Bright     | 39.000   | 133     | 40Zet Her | 2.8070   | 6000.0    | 78      | 46555 | No          |
| 40 | GOM_NL__2PRFIN20110125_031441_000000433098_00420_46555_1901.N1 | 25-JAN-2011 03:14:41 | Bright     | 42.500   | 127     | 27Bet Her | 2.7810   | 4700.0    | 85      | 46555 | No          |
| 41 | GOM_NL__2PRFIN20110125_032059_000000593098_00420_46555_1902.N1 | 25-JAN-2011 03:20:59 | Twilight   | 58.500   | 102     | 24Alp Ser | 2.6000   | 4250.0    | 117     | 46555 | No          |
| 42 | GOM_NL__2PRFIN20110125_032406_000000423098_00420_46555_1903.N1 | 25-JAN-2011 03:24:06 | Twilight   | 42.000   | 98      | 13Zet Oph | 2.5710   | 30000.    | 84      | 46555 | No          |

|     |  |                      |                |        |     |           |         |        |     |       |    |
|-----|--|----------------------|----------------|--------|-----|-----------|---------|--------|-----|-------|----|
| 43  | GOM_NL__2PRFIN20110125_032738_000000263098_00420_46555_1904.N1 | 25-JAN-2011 03:27:38 | Dark           | 26.000 | 104 | 27Bet Lib | 2.6140  | 13100. | 52  | 46555 | No |
| 44  | GOM_NL__2PRFIN20110125_032836_000000553098_00420_46555_1905.N1 | 25-JAN-2011 03:28:36 | Dark           | 55.000 | 16  | 21Alp Sco | 1.0200  | 3000.0 | 110 | 46555 | No |
| 45  | GOM_NL__2PRFIN20110125_033410_000000433098_00420_46555_1906.N1 | 25-JAN-2011 03:34:10 | Dark           | 42.500 | 131 | Gam Lup   | 2.8000  | 26000. | 85  | 46555 | No |
| 46  | GOM_NL__2PRFIN20110125_033612_000000443098_00420_46555_1907.N1 | 25-JAN-2011 03:36:12 | Dark           | 43.500 | 109 | Bet Lup   | 2.6770  | 26000. | 87  | 46555 | No |
| 47  | GOM_NL__2PRFIN20110125_033825_000000573098_00421_46556_1907.N1 | 25-JAN-2011 03:38:25 | Dark           | 56.500 | 54  | 5The Cen  | 2.0550  | 4500.0 | 113 | 46556 | No |
| 48  | GOM_NL__2PRFIN20110125_034048_000000413098_00421_46556_1908.N1 | 25-JAN-2011 03:40:48 | Dark           | 40.500 | 10  | Bet Cen   | 0.61000 | 28000. | 81  | 46556 | No |
| 49  | GOM_NL__2PRFIN20110125_034414_000000443098_00421_46556_1909.N1 | 25-JAN-2011 03:44:14 | Dark           | 43.500 | 12  | Alp1Cru   | 0.77500 | 30000. | 87  | 46556 | No |
| 50  | GOM_NL__2PRFIN20110125_034948_000000533098_00421_46556_1910.N1 | 25-JAN-2011 03:49:48 | Dark           | 52.500 | 113 | Mu Vel    | 2.6920  | 5000.0 | 105 | 46556 | No |
| 51  | GOM_NL__2PRFIN20110125_035117_000000403098_00421_46556_1911.N1 | 25-JAN-2011 03:51:17 | Dark           | 40.000 | 91  | Kap Vel   | 2.4900  | 26000. | 80  | 46556 | No |
| 52  | GOM_NL__2PRFIN20110125_035436_000000503098_00421_46556_1912.N1 | 25-JAN-2011 03:54:36 | Dark           | 50.000 | 65  | Lam Vel   | 2.2040  | 4400.0 | 100 | 46556 | No |
| 53  | GOM_NL__2PRFIN20110125_040121_000000483098_00421_46556_1913.N1 | 25-JAN-2011 04:01:21 | Straylight     | 47.500 | 132 | 15Rho Pup | 2.8030  | 6900.0 | 95  | 46556 | No |
| 54  | GOM_NL__2PRFIN20110125_041025_000000493098_00421_46556_1914.N1 | 25-JAN-2011 04:10:25 | Tw_i_and_stray | 49.000 | 8   | 10Alp CMi | 0.40000 | 6500.0 | 98  | 46556 | No |
| 55  | GOM_NL__2PRFIN20110125_041721_000000443098_00421_46556_1915.N1 | 25-JAN-2011 04:17:21 | Bright         | 43.500 | 17  | 78Bet Gem | 1.1610  | 4500.0 | 87  | 46556 | No |
| 56  | GOM_NL__2PRFIN20110125_043255_000000483098_00421_46556_1916.N1 | 25-JAN-2011 04:32:55 | Bright         | 48.000 | 36  | 50Alp UMa | 1.8000  | 6300.0 | 96  | 46556 | No |
| 57  | GOM_NL__2PRFIN20110125_043739_000000403098_00421_46556_1917.N1 | 25-JAN-2011 04:37:39 | Bright         | 39.500 | 60  | 7Bet UMi  | 2.0810  | 3950.0 | 79  | 46556 | No |
| 58  | GOM_NL__2PRFIN20110125_044213_000000393098_00421_46556_1918.N1 | 25-JAN-2011 04:42:13 | Bright         | 39.000 | 119 | 14Eta Dra | 2.7270  | 4700.0 | 78  | 46556 | No |
| 59  | GOM_NL__2PRFIN20110125_044508_000000443098_00421_46556_1919.N1 | 25-JAN-2011 04:45:08 | Bright         | 43.500 | 130 | 23Bet Dra | 2.7990  | 5800.0 | 87  | 46556 | No |
| 60  | GOM_NL__2PRFIN20110125_045134_000000593098_00421_46556_1920.N1 | 25-JAN-2011 04:51:34 | Bright         | 59.000 | 133 | 40Zet Her | 2.8070  | 6000.0 | 118 | 46556 | No |
| 61  | GOM_NL__2PRFIN20110125_045455_000000613098_00421_46556_1921.N1 | 25-JAN-2011 04:54:55 | Bright         | 61.000 | 127 | 27Bet Her | 2.7810  | 4700.0 | 122 | 46556 | No |
| 62  | GOM_NL__2PRFIN20110125_050114_000000603098_00421_46556_1922.N1 | 25-JAN-2011 05:01:14 | Tw_i_and_stray | 59.500 | 102 | 24Alp Ser | 2.6000  | 4250.0 | 119 | 46556 | No |
| 63  | GOM_NL__2PRFIN20110125_050421_000000473098_00421_46556_1923.N1 | 25-JAN-2011 05:04:21 | Tw_i_and_stray | 46.500 | 98  | 13Zet Oph | 2.5710  | 30000. | 93  | 46556 | No |
| 64  | GOM_NL__2PRFIN20110125_050851_000000573098_00421_46556_1924.N1 | 25-JAN-2011 05:08:51 | Dark           | 56.500 | 16  | 21Alp Sco | 1.0200  | 3000.0 | 113 | 46556 | No |
| 65  | GOM_NL__2PRFIN20110125_051425_000000403098_00421_46556_1925.N1 | 25-JAN-2011 05:14:25 | Dark           | 40.000 | 131 | Gam Lup   | 2.8000  | 26000. | 80  | 46556 | No |
| 66  | GOM_NL__2PRFIN20110125_051627_000000443098_00421_46556_1926.N1 | 25-JAN-2011 05:16:27 | Dark           | 43.500 | 109 | Bet Lup   | 2.6770  | 26000. | 87  | 46556 | No |
| 67  | GOM_NL__2PRFIN20110125_051840_000000633098_00422_46557_1920.N1 | 25-JAN-2011 05:18:40 | Dark           | 63.000 | 54  | 5The Cen  | 2.0550  | 4500.0 | 126 | 46557 | No |
| 68  | GOM_NL__2PRFIN20110125_052102_000000413098_00422_46557_1921.N1 | 25-JAN-2011 05:21:02 | Dark           | 41.000 | 10  | Bet Cen   | 0.61000 | 28000. | 82  | 46557 | No |
| 69  | GOM_NL__2PRFIN20110125_052429_000000423098_00422_46557_1922.N1 | 25-JAN-2011 05:24:29 | Dark           | 42.000 | 12  | Alp1Cru   | 0.77500 | 30000. | 84  | 46557 | No |
| 70  | GOM_NL__2PRFIN20110125_053003_000000443098_00422_46557_1923.N1 | 25-JAN-2011 05:30:03 | Dark           | 44.000 | 113 | Mu Vel    | 2.6920  | 5000.0 | 88  | 46557 | No |
| 71  | GOM_NL__2PRFIN20110125_053131_000000403098_00422_46557_1924.N1 | 25-JAN-2011 05:31:31 | Dark           | 39.500 | 91  | Kap Vel   | 2.4900  | 26000. | 79  | 46557 | No |
| 72  | GOM_NL__2PRFIN20110125_053450_000000473098_00422_46557_1925.N1 | 25-JAN-2011 05:34:50 | Dark           | 47.000 | 65  | Lam Vel   | 2.2040  | 4400.0 | 94  | 46557 | No |
| 73  | GOM_NL__2PRFIN20110125_054135_000000453098_00422_46557_1926.N1 | 25-JAN-2011 05:41:35 | Straylight     | 44.500 | 132 | 15Rho Pup | 2.8030  | 6900.0 | 89  | 46557 | No |
| 74  | GOM_NL__2PRFIN20110125_055039_000000473098_00422_46557_1927.N1 | 25-JAN-2011 05:50:39 | Tw_i_and_stray | 47.000 | 8   | 10Alp CMi | 0.40000 | 6500.0 | 94  | 46557 | No |
| 75  | GOM_NL__2PRFIN20110125_055735_000000423098_00422_46557_1928.N1 | 25-JAN-2011 05:57:35 | Bright         | 42.000 | 17  | 78Bet Gem | 1.1610  | 4500.0 | 84  | 46557 | No |
| 76  | GOM_NL__2PRFIN20110125_061308_000000483098_00422_46557_1929.N1 | 25-JAN-2011 06:13:08 | Bright         | 48.000 | 36  | 50Alp UMa | 1.8000  | 6300.0 | 96  | 46557 | No |
| 77  | GOM_NL__2PRFIN20110125_061753_000000363098_00422_46557_1930.N1 | 25-JAN-2011 06:17:53 | Bright         | 36.000 | 60  | 7Bet UMi  | 2.0810  | 3950.0 | 72  | 46557 | No |
| 78  | GOM_NL__2PRFIN20110125_062227_000000573098_00422_46557_1931.N1 | 25-JAN-2011 06:22:27 | Bright         | 57.000 | 119 | 14Eta Dra | 2.7270  | 4700.0 | 114 | 46557 | No |
| 79  | GOM_NL__2PRFIN20110125_062522_000000543098_00422_46557_1932.N1 | 25-JAN-2011 06:25:22 | Bright         | 53.500 | 130 | 23Bet Dra | 2.7990  | 5800.0 | 107 | 46557 | No |
| 80  | GOM_NL__2PRFIN20110125_063148_000000393098_00422_46557_1933.N1 | 25-JAN-2011 06:31:48 | Bright         | 39.000 | 133 | 40Zet Her | 2.8070  | 6000.0 | 78  | 46557 | No |
| 81  | GOM_NL__2PRFIN20110125_063509_000000423098_00422_46557_1934.N1 | 25-JAN-2011 06:35:09 | Bright         | 41.500 | 127 | 27Bet Her | 2.7810  | 4700.0 | 83  | 46557 | No |
| 82  | GOM_NL__2PRFIN20110125_064129_000000613098_00422_46557_1935.N1 | 25-JAN-2011 06:41:29 | Tw_i_and_stray | 61.000 | 102 | 24Alp Ser | 2.6000  | 4250.0 | 122 | 46557 | No |
| 83  | GOM_NL__2PRFIN20110125_064435_000000433098_00422_46557_1936.N1 | 25-JAN-2011 06:44:35 | Tw_i_and_stray | 42.500 | 98  | 13Zet Oph | 2.5710  | 30000. | 85  | 46557 | No |
| 84  | GOM_NL__2PRFIN20110125_064905_000000573098_00422_46557_1937.N1 | 25-JAN-2011 06:49:05 | Dark           | 56.500 | 16  | 21Alp Sco | 1.0200  | 3000.0 | 113 | 46557 | No |
| 85  | GOM_NL__2PRFIN20110125_065440_000000423098_00422_46557_1938.N1 | 25-JAN-2011 06:54:40 | Dark           | 41.500 | 131 | Gam Lup   | 2.8000  | 26000. | 83  | 46557 | No |
| 86  | GOM_NL__2PRFIN20110125_065642_000000443098_00422_46557_1939.N1 | 25-JAN-2011 06:56:42 | Dark           | 43.500 | 109 | Bet Lup   | 2.6770  | 26000. | 87  | 46557 | No |
| 87  | GOM_NL__2PRFIN20110125_065856_000000603098_00423_46558_1930.N1 | 25-JAN-2011 06:58:56 | Dark           | 60.000 | 54  | 5The Cen  | 2.0550  | 4500.0 | 120 | 46558 | No |
| 88  | GOM_NL__2PRFIN20110125_070117_000000453098_00423_46558_1931.N1 | 25-JAN-2011 07:01:17 | Dark           | 45.000 | 10  | Bet Cen   | 0.61000 | 28000. | 90  | 46558 | No |
| 89  | GOM_NL__2PRFIN20110125_070443_000000473098_00423_46558_1932.N1 | 25-JAN-2011 07:04:43 | Dark           | 46.500 | 12  | Alp1Cru   | 0.77500 | 30000. | 93  | 46558 | No |
| 90  | GOM_NL__2PRFIN20110125_071017_000000463098_00423_46558_1933.N1 | 25-JAN-2011 07:10:17 | Dark           | 45.500 | 113 | Mu Vel    | 2.6920  | 5000.0 | 91  | 46558 | No |
| 91  | GOM_NL__2PRFIN20110125_071146_000000403098_00423_46558_1934.N1 | 25-JAN-2011 07:11:46 | Dark           | 40.000 | 91  | Kap Vel   | 2.4900  | 26000. | 80  | 46558 | No |
| 92  | GOM_NL__2PRFIN20110125_071505_000000483098_00423_46558_1935.N1 | 25-JAN-2011 07:15:05 | Dark           | 48.000 | 65  | Lam Vel   | 2.2040  | 4400.0 | 96  | 46558 | No |
| 93  | GOM_NL__2PRFIN20110125_072149_000000443098_00423_46558_1936.N1 | 25-JAN-2011 07:21:49 | Straylight     | 43.500 | 132 | 15Rho Pup | 2.8030  | 6900.0 | 87  | 46558 | No |
| 94  | GOM_NL__2PRFIN20110125_073053_000000503098_00423_46558_1937.N1 | 25-JAN-2011 07:30:53 | Tw_i_and_stray | 49.500 | 8   | 10Alp CMi | 0.40000 | 6500.0 | 99  | 46558 | No |
| 95  | GOM_NL__2PRFIN20110125_073749_000000443098_00423_46558_1938.N1 | 25-JAN-2011 07:37:49 | Bright         | 43.500 | 17  | 78Bet Gem | 1.1610  | 4500.0 | 87  | 46558 | No |
| 96  | GOM_NL__2PRFIN20110125_075321_000000493098_00423_46558_1939.N1 | 25-JAN-2011 07:53:21 | Bright         | 49.000 | 36  | 50Alp UMa | 1.8000  | 6300.0 | 98  | 46558 | No |
| 97  | GOM_NL__2PRFIN20110125_075807_000000373098_00423_46558_1940.N1 | 25-JAN-2011 07:58:07 | Bright         | 37.000 | 60  | 7Bet UMi  | 2.0810  | 3950.0 | 74  | 46558 | No |
| 98  | GOM_NL__2PRFIN20110125_080240_000000393098_00423_46558_1941.N1 | 25-JAN-2011 08:02:40 | Bright         | 39.000 | 119 | 14Eta Dra | 2.7270  | 4700.0 | 78  | 46558 | No |
| 99  | GOM_NL__2PRFIN20110125_080536_000000383098_00423_46558_1942.N1 | 25-JAN-2011 08:05:36 | Bright         | 38.000 | 130 | 23Bet Dra | 2.7990  | 5800.0 | 76  | 46558 | No |
| 100 | GOM_NL__2PRFIN20110125_081202_000000593098_00423_46558_1943.N1 | 25-JAN-2011 08:12:02 | Bright         | 59.000 | 133 | 40Zet Her | 2.8070  | 6000.0 | 118 | 46558 | No |
| 101 | GOM_NL__2PRFIN20110125_081524_000000613098_00423_46558_1944.N1 | 25-JAN-2011 08:15:24 | Bright         | 61.000 | 127 | 27Bet Her | 2.7810  | 4700.0 | 122 | 46558 | No |

|     |  |                      |               |        |     |           |         |        |     |       |    |
|-----|--|----------------------|---------------|--------|-----|-----------|---------|--------|-----|-------|----|
| 102 | GOM_NL__2PRFIN20110125_082144_000000613098_00423_46558_1945.N1 | 25-JAN-2011 08:21:44 | Twl_and_stray | 60.500 | 102 | 24Alp Ser | 2.6000  | 4250.0 | 121 | 46558 | No |
| 103 | GOM_NL__2PRFIN20110125_082450_000000453098_00423_46558_1946.N1 | 25-JAN-2011 08:24:50 | Twl_and_stray | 45.000 | 98  | 13Zet Oph | 2.5710  | 30000. | 90  | 46558 | No |
| 104 | GOM_NL__2PRFIN20110125_082920_000000573098_00423_46558_1947.N1 | 25-JAN-2011 08:29:20 | Dark          | 57.000 | 16  | 21Alp Sco | 1.0200  | 3000.0 | 114 | 46558 | No |
| 105 | GOM_NL__2PRFIN20110125_083454_000000423098_00423_46558_1948.N1 | 25-JAN-2011 08:34:54 | Dark          | 41.500 | 131 | Gam Lup   | 2.8000  | 26000. | 83  | 46558 | No |
| 106 | GOM_NL__2PRFIN20110125_083657_000000443098_00423_46558_1949.N1 | 25-JAN-2011 08:36:57 | Dark          | 44.000 | 109 | Bet Lup   | 2.6770  | 26000. | 88  | 46558 | No |
| 107 | GOM_NL__2PRFIN20110125_083825_000000433098_00424_46559_1957.N1 | 25-JAN-2011 08:38:25 | Dark          | 43.000 | 78  | Alp Lup   | 2.3040  | 28000. | 86  | 46559 | No |
| 108 | GOM_NL__2PRFIN20110125_084131_000000473098_00424_46559_1958.N1 | 25-JAN-2011 08:41:31 | Dark          | 46.500 | 10  | Bet Cen   | 0.61000 | 28000. | 93  | 46559 | No |
| 109 | GOM_NL__2PRFIN20110125_084458_000000493098_00424_46559_1959.N1 | 25-JAN-2011 08:44:58 | Dark          | 49.000 | 12  | Alp1Cru   | 0.77500 | 30000. | 98  | 46559 | No |
| 110 | GOM_NL__2PRFIN20110125_085032_000000533098_00424_46559_1960.N1 | 25-JAN-2011 08:50:32 | Dark          | 52.500 | 113 | Mu Vel    | 2.6920  | 5000.0 | 105 | 46559 | No |
| 111 | GOM_NL__2PRFIN20110125_085200_000000413098_00424_46559_1961.N1 | 25-JAN-2011 08:52:00 | Dark          | 41.000 | 91  | Kap Vel   | 2.4900  | 26000. | 82  | 46559 | No |
| 112 | GOM_NL__2PRFIN20110125_085519_000000483098_00424_46559_1962.N1 | 25-JAN-2011 08:55:19 | Dark          | 47.500 | 65  | Lam Vel   | 2.2040  | 4400.0 | 95  | 46559 | No |
| 113 | GOM_NL__2PRFIN20110125_090204_000000433098_00424_46559_1963.N1 | 25-JAN-2011 09:02:04 | Straylight    | 42.500 | 132 | 15Rho Pup | 2.8030  | 6900.0 | 85  | 46559 | No |
| 114 | GOM_NL__2PRFIN20110125_091107_000000513098_00424_46559_1964.N1 | 25-JAN-2011 09:11:07 | Twl_and_stray | 50.500 | 8   | 10Alp CMi | 0.40000 | 6500.0 | 101 | 46559 | No |
| 115 | GOM_NL__2PRFIN20110125_091802_000000443098_00424_46559_1965.N1 | 25-JAN-2011 09:18:02 | Bright        | 44.000 | 17  | 78Bet Gem | 1.1610  | 4500.0 | 88  | 46559 | No |
| 116 | GOM_NL__2PRFIN20110125_093335_000000493098_00424_46559_1966.N1 | 25-JAN-2011 09:33:35 | Bright        | 48.500 | 36  | 50Alp UMa | 1.8000  | 6300.0 | 97  | 46559 | No |
| 117 | GOM_NL__2PRFIN20110125_093820_000000413098_00424_46559_1967.N1 | 25-JAN-2011 09:38:20 | Bright        | 41.000 | 60  | 7Bet UMi  | 2.0810  | 3950.0 | 82  | 46559 | No |
| 118 | GOM_NL__2PRFIN20110125_094254_000000403098_00424_46559_1968.N1 | 25-JAN-2011 09:42:54 | Bright        | 39.500 | 119 | 14Eta Dra | 2.7270  | 4700.0 | 79  | 46559 | No |
| 119 | GOM_NL__2PRFIN20110125_094550_000000383098_00424_46559_1969.N1 | 25-JAN-2011 09:45:50 | Bright        | 38.000 | 130 | 23Bet Dra | 2.7990  | 5800.0 | 76  | 46559 | No |
| 120 | GOM_NL__2PRFIN20110125_095217_000000593098_00424_46559_1970.N1 | 25-JAN-2011 09:52:17 | Bright        | 59.000 | 133 | 40Zet Her | 2.8070  | 6000.0 | 118 | 46559 | No |
| 121 | GOM_NL__2PRFIN20110125_095538_000000413098_00424_46559_1971.N1 | 25-JAN-2011 09:55:38 | Bright        | 41.000 | 127 | 27Bet Her | 2.7810  | 4700.0 | 82  | 46559 | No |
| 122 | GOM_NL__2PRFIN20110125_100158_000000623098_00424_46559_1972.N1 | 25-JAN-2011 10:01:58 | Twl_and_stray | 61.500 | 102 | 24Alp Ser | 2.6000  | 4250.0 | 123 | 46559 | No |
| 123 | GOM_NL__2PRFIN20110125_100504_000000463098_00424_46559_1973.N1 | 25-JAN-2011 10:05:04 | Twl_and_stray | 46.000 | 98  | 13Zet Oph | 2.5710  | 30000. | 92  | 46559 | No |
| 124 | GOM_NL__2PRFIN20110125_100934_000000573098_00424_46559_1974.N1 | 25-JAN-2011 10:09:34 | Dark          | 57.000 | 16  | 21Alp Sco | 1.0200  | 3000.0 | 114 | 46559 | No |
| 125 | GOM_NL__2PRFIN20110125_101509_000000423098_00424_46559_1975.N1 | 25-JAN-2011 10:15:09 | Dark          | 42.000 | 131 | Gam Lup   | 2.8000  | 26000. | 84  | 46559 | No |
| 126 | GOM_NL__2PRFIN20110125_101712_000000443098_00424_46559_1976.N1 | 25-JAN-2011 10:17:12 | Dark          | 44.000 | 109 | Bet Lup   | 2.6770  | 26000. | 88  | 46559 | No |
| 127 | GOM_NL__2PRFIN20110125_101840_000000433098_00425_46560_1986.N1 | 25-JAN-2011 10:18:40 | Dark          | 43.000 | 78  | Alp Lup   | 2.3040  | 28000. | 86  | 46560 | No |
| 128 | GOM_NL__2PRFIN20110125_102146_000000413098_00425_46560_1987.N1 | 25-JAN-2011 10:21:46 | Dark          | 41.000 | 10  | Bet Cen   | 0.61000 | 28000. | 82  | 46560 | No |
| 129 | GOM_NL__2PRFIN20110125_102513_000000423098_00425_46560_1988.N1 | 25-JAN-2011 10:25:13 | Dark          | 41.500 | 12  | Alp1Cru   | 0.77500 | 30000. | 83  | 46560 | No |
| 130 | GOM_NL__2PRFIN20110125_103047_000000563098_00425_46560_1989.N1 | 25-JAN-2011 10:30:47 | Dark          | 55.500 | 113 | Mu Vel    | 2.6920  | 5000.0 | 111 | 46560 | No |
| 131 | GOM_NL__2PRFIN20110125_103215_000000403098_00425_46560_1990.N1 | 25-JAN-2011 10:32:15 | Dark          | 39.500 | 91  | Kap Vel   | 2.4900  | 26000. | 79  | 46560 | No |
| 132 | GOM_NL__2PRFIN20110125_103534_000000563098_00425_46560_1991.N1 | 25-JAN-2011 10:35:34 | Dark          | 55.500 | 65  | Lam Vel   | 2.2040  | 4400.0 | 111 | 46560 | No |
| 133 | GOM_NL__2PRFIN20110125_104218_000000443098_00425_46560_1992.N1 | 25-JAN-2011 10:42:18 | Straylight    | 43.500 | 132 | 15Rho Pup | 2.8030  | 6900.0 | 87  | 46560 | No |
| 134 | GOM_NL__2PRFIN20110125_105121_000000533098_00425_46560_1993.N1 | 25-JAN-2011 10:51:21 | Twl_and_stray | 52.500 | 8   | 10Alp CMi | 0.40000 | 6500.0 | 105 | 46560 | No |
| 135 | GOM_NL__2PRFIN20110125_105816_000000433098_00425_46560_1994.N1 | 25-JAN-2011 10:58:16 | Bright        | 43.000 | 17  | 78Bet Gem | 1.1610  | 4500.0 | 86  | 46560 | No |
| 136 | GOM_NL__2PRFIN20110125_111348_000000483098_00425_46560_1995.N1 | 25-JAN-2011 11:13:48 | Bright        | 47.500 | 36  | 50Alp UMa | 1.8000  | 6300.0 | 95  | 46560 | No |
| 137 | GOM_NL__2PRFIN20110125_111834_000000403098_00425_46560_1996.N1 | 25-JAN-2011 11:18:34 | Bright        | 39.500 | 60  | 7Bet UMi  | 2.0810  | 3950.0 | 79  | 46560 | No |
| 138 | GOM_NL__2PRFIN20110125_112308_000000413098_00425_46560_1997.N1 | 25-JAN-2011 11:23:08 | Bright        | 40.500 | 119 | 14Eta Dra | 2.7270  | 4700.0 | 81  | 46560 | No |
| 139 | GOM_NL__2PRFIN20110125_112604_000000473098_00425_46560_1998.N1 | 25-JAN-2011 11:26:04 | Bright        | 46.500 | 130 | 23Bet Dra | 2.7990  | 5800.0 | 93  | 46560 | No |
| 140 | GOM_NL__2PRFIN20110125_113231_000000403098_00425_46560_1999.N1 | 25-JAN-2011 11:32:31 | Bright        | 40.000 | 133 | 40Zet Her | 2.8070  | 6000.0 | 80  | 46560 | No |
| 141 | GOM_NL__2PRFIN20110125_113552_000000613098_00425_46560_2000.N1 | 25-JAN-2011 11:35:52 | Bright        | 61.000 | 127 | 27Bet Her | 2.7810  | 4700.0 | 122 | 46560 | No |
| 142 | GOM_NL__2PRFIN20110125_114213_000000573098_00425_46560_2001.N1 | 25-JAN-2011 11:42:13 | Twl_and_stray | 57.000 | 102 | 24Alp Ser | 2.6000  | 4250.0 | 114 | 46560 | No |
| 143 | GOM_NL__2PRFIN20110125_114519_000000423098_00425_46560_2002.N1 | 25-JAN-2011 11:45:19 | Twl_and_stray | 41.500 | 98  | 13Zet Oph | 2.5710  | 30000. | 83  | 46560 | No |
| 144 | GOM_NL__2PRFIN20110125_114949_000000483098_00425_46560_2003.N1 | 25-JAN-2011 11:49:49 | Dark          | 47.500 | 16  | 21Alp Sco | 1.0200  | 3000.0 | 95  | 46560 | No |
| 145 | GOM_NL__2PRFIN20110125_115524_000000423098_00425_46560_2004.N1 | 25-JAN-2011 11:55:24 | Dark          | 41.500 | 131 | Gam Lup   | 2.8000  | 26000. | 83  | 46560 | No |
| 146 | GOM_NL__2PRFIN20110125_115726_000000463098_00425_46560_2005.N1 | 25-JAN-2011 11:57:26 | Dark          | 45.500 | 109 | Bet Lup   | 2.6770  | 26000. | 91  | 46560 | No |
| 147 | GOM_NL__2PRFIN20110125_115855_000000443098_00426_46561_2021.N1 | 25-JAN-2011 11:58:55 | Dark          | 43.500 | 78  | Alp Lup   | 2.3040  | 28000. | 87  | 46561 | No |
| 148 | GOM_NL__2PRFIN20110125_120201_000000433098_00426_46561_2022.N1 | 25-JAN-2011 12:02:01 | Dark          | 43.000 | 10  | Bet Cen   | 0.61000 | 28000. | 86  | 46561 | No |
| 149 | GOM_NL__2PRFIN20110125_120527_000000473098_00426_46561_2023.N1 | 25-JAN-2011 12:05:27 | Dark          | 47.000 | 12  | Alp1Cru   | 0.77500 | 30000. | 94  | 46561 | No |
| 150 | GOM_NL__2PRFIN20110125_121101_000000463098_00426_46561_2024.N1 | 25-JAN-2011 12:11:01 | Dark          | 45.500 | 113 | Mu Vel    | 2.6920  | 5000.0 | 91  | 46561 | No |
| 151 | GOM_NL__2PRFIN20110125_121229_000000403098_00426_46561_2025.N1 | 25-JAN-2011 12:12:29 | Dark          | 39.500 | 91  | Kap Vel   | 2.4900  | 26000. | 79  | 46561 | No |
| 152 | GOM_NL__2PRFIN20110125_121548_000000483098_00426_46561_2026.N1 | 25-JAN-2011 12:15:48 | Dark          | 48.000 | 65  | Lam Vel   | 2.2040  | 4400.0 | 96  | 46561 | No |
| 153 | GOM_NL__2PRFIN20110125_122232_000000423098_00426_46561_2027.N1 | 25-JAN-2011 12:22:32 | Straylight    | 41.500 | 132 | 15Rho Pup | 2.8030  | 6900.0 | 83  | 46561 | No |
| 154 | GOM_NL__2PRFIN20110125_123134_000000523098_00426_46561_2028.N1 | 25-JAN-2011 12:31:34 | Twl_and_stray | 52.000 | 8   | 10Alp CMi | 0.40000 | 6500.0 | 104 | 46561 | No |
| 155 | GOM_NL__2PRFIN20110125_123830_000000433098_00426_46561_2029.N1 | 25-JAN-2011 12:38:30 | Bright        | 43.000 | 17  | 78Bet Gem | 1.1610  | 4500.0 | 86  | 46561 | No |
| 156 | GOM_NL__2PRFIN20110125_125401_000000463098_00426_46561_2030.N1 | 25-JAN-2011 12:54:01 | Bright        | 46.000 | 36  | 50Alp UMa | 1.8000  | 6300.0 | 92  | 46561 | No |
| 157 | GOM_NL__2PRFIN20110125_125848_000000383098_00426_46561_2031.N1 | 25-JAN-2011 12:58:48 | Bright        | 37.500 | 60  | 7Bet UMi  | 2.0810  | 3950.0 | 75  | 46561 | No |
| 158 | GOM_NL__2PRFIN20110125_130322_000000403098_00426_46561_2032.N1 | 25-JAN-2011 13:03:22 | Bright        | 39.500 | 119 | 14Eta Dra | 2.7270  | 4700.0 | 79  | 46561 | No |
| 159 | GOM_NL__2PRFIN20110125_130618_000000353098_00426_46561_2033.N1 | 25-JAN-2011 13:06:18 | Bright        | 34.500 | 130 | 23Bet Dra | 2.7990  | 5800.0 | 69  | 46561 | No |
| 160 | GOM_NL__2PRFIN20110125_131245_000000593098_00426_46561_2034.N1 | 25-JAN-2011 13:12:45 | Bright        | 59.000 | 133 | 40Zet Her | 2.8070  | 6000.0 | 118 | 46561 | No |

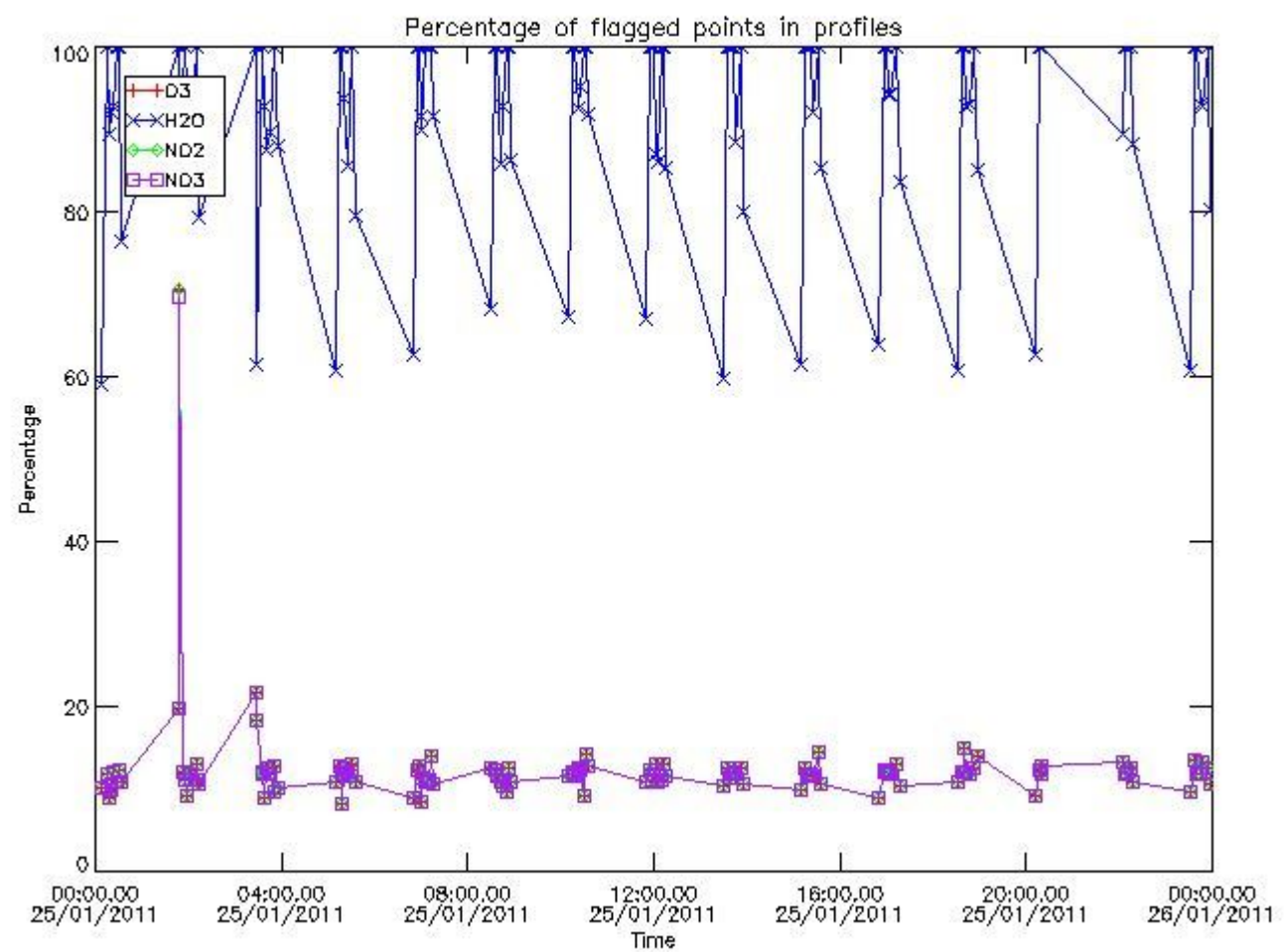
|     |  |                      |               |        |     |           |         |        |     |       |    |
|-----|--|----------------------|---------------|--------|-----|-----------|---------|--------|-----|-------|----|
| 161 | GOM_NL__2PRFIN20110125_131606_000000613098_00426_46561_2035.N1 | 25-JAN-2011 13:16:06 | Bright        | 61.000 | 127 | 27Bet Her | 2.7810  | 4700.0 | 122 | 46561 | No |
| 162 | GOM_NL__2PRFIN20110125_132228_000000613098_00426_46561_2036.N1 | 25-JAN-2011 13:22:28 | Twl_and_stray | 61.000 | 102 | 24Alp Ser | 2.6000  | 4250.0 | 122 | 46561 | No |
| 163 | GOM_NL__2PRFIN20110125_132533_000000443098_00426_46561_2037.N1 | 25-JAN-2011 13:25:33 | Twl_and_stray | 43.500 | 98  | 13Zet Oph | 2.5710  | 30000. | 87  | 46561 | No |
| 164 | GOM_NL__2PRFIN20110125_133003_000000493098_00426_46561_2038.N1 | 25-JAN-2011 13:30:03 | Dark          | 49.000 | 16  | 21Alp Sco | 1.0200  | 3000.0 | 98  | 46561 | No |
| 165 | GOM_NL__2PRFIN20110125_133539_000000413098_00426_46561_2039.N1 | 25-JAN-2011 13:35:39 | Dark          | 40.500 | 131 | Gam Lup   | 2.8000  | 26000. | 81  | 46561 | No |
| 166 | GOM_NL__2PRFIN20110125_133741_000000453098_00426_46561_2040.N1 | 25-JAN-2011 13:37:41 | Dark          | 45.000 | 109 | Bet Lup   | 2.6770  | 26000. | 90  | 46561 | No |
| 167 | GOM_NL__2PRFIN20110125_133909_000000433098_00427_46562_2090.N1 | 25-JAN-2011 13:39:09 | Dark          | 43.000 | 78  | Alp Lup   | 2.3040  | 28000. | 86  | 46562 | No |
| 168 | GOM_NL__2PRFIN20110125_134215_000000423098_00427_46562_2091.N1 | 25-JAN-2011 13:42:15 | Dark          | 42.000 | 10  | Bet Cen   | 0.61000 | 28000. | 84  | 46562 | No |
| 169 | GOM_NL__2PRFIN20110125_134542_000000443098_00427_46562_2092.N1 | 25-JAN-2011 13:45:42 | Dark          | 43.500 | 12  | Alp1Cru   | 0.77500 | 30000. | 87  | 46562 | No |
| 170 | GOM_NL__2PRFIN20110125_135243_000000413098_00427_46562_2093.N1 | 25-JAN-2011 13:52:43 | Dark          | 40.500 | 91  | Kap Vel   | 2.4900  | 26000. | 81  | 46562 | No |
| 171 | GOM_NL__2PRFIN20110125_135603_000000483098_00427_46562_2094.N1 | 25-JAN-2011 13:56:03 | Dark          | 48.000 | 65  | Lam Vel   | 2.2040  | 4400.0 | 96  | 46562 | No |
| 172 | GOM_NL__2PRFIN20110125_140246_000000453098_00427_46562_2095.N1 | 25-JAN-2011 14:02:46 | Straylight    | 45.000 | 132 | 15Rho Pup | 2.8030  | 6900.0 | 90  | 46562 | No |
| 173 | GOM_NL__2PRFIN20110125_141148_000000523098_00427_46562_2096.N1 | 25-JAN-2011 14:11:48 | Twl_and_stray | 52.000 | 8   | 10Alp CMi | 0.40000 | 6500.0 | 104 | 46562 | No |
| 174 | GOM_NL__2PRFIN20110125_141844_000000443098_00427_46562_2097.N1 | 25-JAN-2011 14:18:44 | Bright        | 43.500 | 17  | 78Bet Gem | 1.1610  | 4500.0 | 87  | 46562 | No |
| 175 | GOM_NL__2PRFIN20110125_143415_000000483098_00427_46562_2098.N1 | 25-JAN-2011 14:34:15 | Bright        | 47.500 | 36  | 50Alp UMa | 1.8000  | 6300.0 | 95  | 46562 | No |
| 176 | GOM_NL__2PRFIN20110125_143902_000000393098_00427_46562_2099.N1 | 25-JAN-2011 14:39:02 | Bright        | 38.500 | 60  | 7Bet UMi  | 2.0810  | 3950.0 | 77  | 46562 | No |
| 177 | GOM_NL__2PRFIN20110125_144336_000000403098_00427_46562_2100.N1 | 25-JAN-2011 14:43:36 | Bright        | 39.500 | 119 | 14Eta Dra | 2.7270  | 4700.0 | 79  | 46562 | No |
| 178 | GOM_NL__2PRFIN20110125_144632_000000543098_00427_46562_2101.N1 | 25-JAN-2011 14:46:32 | Bright        | 54.000 | 130 | 23Bet Dra | 2.7990  | 5800.0 | 108 | 46562 | No |
| 179 | GOM_NL__2PRFIN20110125_145259_000000593098_00427_46562_2102.N1 | 25-JAN-2011 14:52:59 | Bright        | 59.000 | 133 | 40Zet Her | 2.8070  | 6000.0 | 118 | 46562 | No |
| 180 | GOM_NL__2PRFIN20110125_145621_000000613098_00427_46562_2103.N1 | 25-JAN-2011 14:56:21 | Bright        | 61.000 | 127 | 27Bet Her | 2.7810  | 4700.0 | 122 | 46562 | No |
| 181 | GOM_NL__2PRFIN20110125_150242_000000613098_00427_46562_2104.N1 | 25-JAN-2011 15:02:42 | Twl_and_stray | 60.500 | 102 | 24Alp Ser | 2.6000  | 4250.0 | 121 | 46562 | No |
| 182 | GOM_NL__2PRFIN20110125_150548_000000453098_00427_46562_2105.N1 | 25-JAN-2011 15:05:48 | Twl_and_stray | 45.000 | 98  | 13Zet Oph | 2.5710  | 30000. | 90  | 46562 | No |
| 183 | GOM_NL__2PRFIN20110125_151018_000000513098_00427_46562_2106.N1 | 25-JAN-2011 15:10:18 | Dark          | 51.000 | 16  | 21Alp Sco | 1.0200  | 3000.0 | 102 | 46562 | No |
| 184 | GOM_NL__2PRFIN20110125_151553_000000413098_00427_46562_2107.N1 | 25-JAN-2011 15:15:53 | Dark          | 40.500 | 131 | Gam Lup   | 2.8000  | 26000. | 81  | 46562 | No |
| 185 | GOM_NL__2PRFIN20110125_151756_000000443098_00427_46562_2108.N1 | 25-JAN-2011 15:17:56 | Dark          | 44.000 | 109 | Bet Lup   | 2.6770  | 26000. | 88  | 46562 | No |
| 186 | GOM_NL__2PRFIN20110125_151924_000000443098_00428_46563_2103.N1 | 25-JAN-2011 15:19:24 | Dark          | 43.500 | 78  | Alp Lup   | 2.3040  | 28000. | 87  | 46563 | No |
| 187 | GOM_NL__2PRFIN20110125_152230_000000433098_00428_46563_2104.N1 | 25-JAN-2011 15:22:30 | Dark          | 43.000 | 10  | Bet Cen   | 0.61000 | 28000. | 86  | 46563 | No |
| 188 | GOM_NL__2PRFIN20110125_152556_000000443098_00428_46563_2105.N1 | 25-JAN-2011 15:25:56 | Dark          | 44.000 | 12  | Alp1Cru   | 0.77500 | 30000. | 88  | 46563 | No |
| 189 | GOM_NL__2PRFIN20110125_153258_000000393098_00428_46563_2106.N1 | 25-JAN-2011 15:32:58 | Dark          | 38.500 | 91  | Kap Vel   | 2.4900  | 26000. | 77  | 46563 | No |
| 190 | GOM_NL__2PRFIN20110125_153617_000000483098_00428_46563_2107.N1 | 25-JAN-2011 15:36:17 | Dark          | 47.500 | 65  | Lam Vel   | 2.2040  | 4400.0 | 95  | 46563 | No |
| 191 | GOM_NL__2PRFIN20110125_154300_000000393098_00428_46563_2108.N1 | 25-JAN-2011 15:43:00 | Straylight    | 38.500 | 132 | 15Rho Pup | 2.8030  | 6900.0 | 77  | 46563 | No |
| 192 | GOM_NL__2PRFIN20110125_155202_000000563098_00428_46563_2109.N1 | 25-JAN-2011 15:52:02 | Twl_and_stray | 56.000 | 8   | 10Alp CMi | 0.40000 | 6500.0 | 112 | 46563 | No |
| 193 | GOM_NL__2PRFIN20110125_155857_000000433098_00428_46563_2110.N1 | 25-JAN-2011 15:58:57 | Bright        | 43.000 | 17  | 78Bet Gem | 1.1610  | 4500.0 | 86  | 46563 | No |
| 194 | GOM_NL__2PRFIN20110125_161428_000000493098_00428_46563_2111.N1 | 25-JAN-2011 16:14:28 | Bright        | 48.500 | 36  | 50Alp UMa | 1.8000  | 6300.0 | 97  | 46563 | No |
| 195 | GOM_NL__2PRFIN20110125_161916_000000403098_00428_46563_2112.N1 | 25-JAN-2011 16:19:16 | Bright        | 40.000 | 60  | 7Bet UMi  | 2.0810  | 3950.0 | 80  | 46563 | No |
| 196 | GOM_NL__2PRFIN20110125_162350_000000403098_00428_46563_2113.N1 | 25-JAN-2011 16:23:50 | Bright        | 40.000 | 119 | 14Eta Dra | 2.7270  | 4700.0 | 80  | 46563 | No |
| 197 | GOM_NL__2PRFIN20110125_162646_000000543098_00428_46563_2114.N1 | 25-JAN-2011 16:26:46 | Bright        | 54.000 | 130 | 23Bet Dra | 2.7990  | 5800.0 | 108 | 46563 | No |
| 198 | GOM_NL__2PRFIN20110125_163313_000000593098_00428_46563_2115.N1 | 25-JAN-2011 16:33:13 | Bright        | 59.000 | 133 | 40Zet Her | 2.8070  | 6000.0 | 118 | 46563 | No |
| 199 | GOM_NL__2PRFIN20110125_163635_000000613098_00428_46563_2116.N1 | 25-JAN-2011 16:36:35 | Bright        | 61.000 | 127 | 27Bet Her | 2.7810  | 4700.0 | 122 | 46563 | No |
| 200 | GOM_NL__2PRFIN20110125_164257_000000623098_00428_46563_2117.N1 | 25-JAN-2011 16:42:57 | Twl_and_stray | 62.000 | 102 | 24Alp Ser | 2.6000  | 4250.0 | 124 | 46563 | No |
| 201 | GOM_NL__2PRFIN20110125_164602_000000463098_00428_46563_2118.N1 | 25-JAN-2011 16:46:02 | Twl_and_stray | 45.500 | 98  | 13Zet Oph | 2.5710  | 30000. | 91  | 46563 | No |
| 202 | GOM_NL__2PRFIN20110125_165033_000000573098_00428_46563_2119.N1 | 25-JAN-2011 16:50:33 | Dark          | 57.000 | 16  | 21Alp Sco | 1.0200  | 3000.0 | 114 | 46563 | No |
| 203 | GOM_NL__2PRFIN20110125_165608_000000423098_00428_46563_2120.N1 | 25-JAN-2011 16:56:08 | Dark          | 41.500 | 131 | Gam Lup   | 2.8000  | 26000. | 83  | 46563 | No |
| 204 | GOM_NL__2PRFIN20110125_165811_000000433098_00428_46563_2121.N1 | 25-JAN-2011 16:58:11 | Dark          | 42.500 | 109 | Bet Lup   | 2.6770  | 26000. | 85  | 46563 | No |
| 205 | GOM_NL__2PRFIN20110125_165939_000000433098_00429_46564_2132.N1 | 25-JAN-2011 16:59:39 | Dark          | 42.500 | 78  | Alp Lup   | 2.3040  | 28000. | 85  | 46564 | No |
| 206 | GOM_NL__2PRFIN20110125_170244_000000433098_00429_46564_2133.N1 | 25-JAN-2011 17:02:44 | Dark          | 43.000 | 10  | Bet Cen   | 0.61000 | 28000. | 86  | 46564 | No |
| 207 | GOM_NL__2PRFIN20110125_170611_000000443098_00429_46564_2134.N1 | 25-JAN-2011 17:06:11 | Dark          | 43.500 | 12  | Alp1Cru   | 0.77500 | 30000. | 87  | 46564 | No |
| 208 | GOM_NL__2PRFIN20110125_171312_000000403098_00429_46564_2135.N1 | 25-JAN-2011 17:13:12 | Dark          | 39.500 | 91  | Kap Vel   | 2.4900  | 26000. | 79  | 46564 | No |
| 209 | GOM_NL__2PRFIN20110125_171631_000000503098_00429_46564_2136.N1 | 25-JAN-2011 17:16:31 | Dark          | 49.500 | 65  | Lam Vel   | 2.2040  | 4400.0 | 99  | 46564 | No |
| 210 | GOM_NL__2PRFIN20110125_172314_000000393098_00429_46564_2137.N1 | 25-JAN-2011 17:23:14 | Straylight    | 38.500 | 132 | 15Rho Pup | 2.8030  | 6900.0 | 77  | 46564 | No |
| 211 | GOM_NL__2PRFIN20110125_173216_000000543098_00429_46564_2138.N1 | 25-JAN-2011 17:32:16 | Twl_and_stray | 54.000 | 8   | 10Alp CMi | 0.40000 | 6500.0 | 108 | 46564 | No |
| 212 | GOM_NL__2PRFIN20110125_173911_000000443098_00429_46564_2139.N1 | 25-JAN-2011 17:39:11 | Bright        | 44.000 | 17  | 78Bet Gem | 1.1610  | 4500.0 | 88  | 46564 | No |
| 213 | GOM_NL__2PRFIN20110125_175441_000000483098_00429_46564_2140.N1 | 25-JAN-2011 17:54:41 | Bright        | 48.000 | 36  | 50Alp UMa | 1.8000  | 6300.0 | 96  | 46564 | No |
| 214 | GOM_NL__2PRFIN20110125_175929_000000413098_00429_46564_2141.N1 | 25-JAN-2011 17:59:29 | Bright        | 40.500 | 60  | 7Bet UMi  | 2.0810  | 3950.0 | 81  | 46564 | No |
| 215 | GOM_NL__2PRFIN20110125_180404_000000403098_00429_46564_2142.N1 | 25-JAN-2011 18:04:04 | Bright        | 40.000 | 119 | 14Eta Dra | 2.7270  | 4700.0 | 80  | 46564 | No |
| 216 | GOM_NL__2PRFIN20110125_180700_000000543098_00429_46564_2143.N1 | 25-JAN-2011 18:07:00 | Bright        | 54.000 | 130 | 23Bet Dra | 2.7990  | 5800.0 | 108 | 46564 | No |
| 217 | GOM_NL__2PRFIN20110125_181327_000000593098_00429_46564_2144.N1 | 25-JAN-2011 18:13:27 | Bright        | 59.000 | 133 | 40Zet Her | 2.8070  | 6000.0 | 118 | 46564 | No |
| 218 | GOM_NL__2PRFIN20110125_181649_000000613098_00429_46564_2145.N1 | 25-JAN-2011 18:16:49 | Bright        | 61.000 | 127 | 27Bet Her | 2.7810  | 4700.0 | 122 | 46564 | No |
| 219 | GOM_NL__2PRFIN20110125_182312_000000613098_00429_46564_2146.N1 | 25-JAN-2011 18:23:12 | Twl_and_stray | 60.500 | 102 | 24Alp Ser | 2.6000  | 4250.0 | 121 | 46564 | No |

|     |  |                      |            |        |     |           |         |        |     |       |    |
|-----|--|----------------------|------------|--------|-----|-----------|---------|--------|-----|-------|----|
| 220 | GOM_NL__2PRFIN20110125_182617_000000463098_00429_46564_2147.N1 | 25-JAN-2011 18:26:17 | Twilight   | 46.000 | 98  | 13Zet Oph | 2.5710  | 30000. | 92  | 46564 | No |
| 221 | GOM_NL__2PRFIN20110125_183047_000000483098_00429_46564_2148.N1 | 25-JAN-2011 18:30:47 | Dark       | 47.500 | 16  | 21Alp Sco | 1.0200  | 3000.0 | 95  | 46564 | No |
| 222 | GOM_NL__2PRFIN20110125_183623_000000423098_00429_46564_2149.N1 | 25-JAN-2011 18:36:23 | Dark       | 42.000 | 131 | Gam Lup   | 2.8000  | 26000. | 84  | 46564 | No |
| 223 | GOM_NL__2PRFIN20110125_183826_000000423098_00429_46564_2150.N1 | 25-JAN-2011 18:38:26 | Dark       | 42.000 | 109 | Bet Lup   | 2.6770  | 26000. | 84  | 46564 | No |
| 224 | GOM_NL__2PRFIN20110125_183954_000000453098_00430_46565_2156.N1 | 25-JAN-2011 18:39:54 | Dark       | 44.500 | 78  | Alp Lup   | 2.3040  | 28000. | 89  | 46565 | No |
| 225 | GOM_NL__2PRFIN20110125_184259_000000433098_00430_46565_2157.N1 | 25-JAN-2011 18:42:59 | Dark       | 42.500 | 10  | Bet Cen   | 0.61000 | 28000. | 85  | 46565 | No |
| 226 | GOM_NL__2PRFIN20110125_184625_000000443098_00430_46565_2158.N1 | 25-JAN-2011 18:46:25 | Dark       | 43.500 | 12  | Alp1Cru   | 0.77500 | 30000. | 87  | 46565 | No |
| 227 | GOM_NL__2PRFIN20110125_185327_000000413098_00430_46565_2159.N1 | 25-JAN-2011 18:53:27 | Dark       | 40.500 | 91  | Kap Vel   | 2.4900  | 26000. | 81  | 46565 | No |
| 228 | GOM_NL__2PRFIN20110125_185646_000000513098_00430_46565_2160.N1 | 25-JAN-2011 18:56:46 | Dark       | 50.500 | 65  | Lam Vel   | 2.2040  | 4400.0 | 101 | 46565 | No |
| 229 | GOM_NL__2PRFIN20110125_190329_000000443098_00430_46565_2161.N1 | 25-JAN-2011 19:03:29 | Straylight | 43.500 | 132 | 15Rho Pup | 2.8030  | 6900.0 | 87  | 46565 | No |
| 230 | GOM_NL__2PRFIN20110125_191230_000000563098_00430_46565_2162.N1 | 25-JAN-2011 19:12:30 | Twilight   | 55.500 | 8   | 10Alp CMi | 0.40000 | 6500.0 | 111 | 46565 | No |
| 231 | GOM_NL__2PRFIN20110125_191925_000000443098_00430_46565_2163.N1 | 25-JAN-2011 19:19:25 | Bright     | 43.500 | 17  | 78Bet Gem | 1.1610  | 4500.0 | 87  | 46565 | No |
| 232 | GOM_NL__2PRFIN20110125_193455_000000473098_00430_46565_2164.N1 | 25-JAN-2011 19:34:55 | Bright     | 47.000 | 36  | 50Alp UMa | 1.8000  | 6300.0 | 94  | 46565 | No |
| 233 | GOM_NL__2PRFIN20110125_193943_000000413098_00430_46565_2165.N1 | 25-JAN-2011 19:39:43 | Bright     | 41.000 | 60  | 7Bet UMi  | 2.0810  | 3950.0 | 82  | 46565 | No |
| 234 | GOM_NL__2PRFIN20110125_194418_000000413098_00430_46565_2166.N1 | 25-JAN-2011 19:44:18 | Bright     | 40.500 | 119 | 14Eta Dra | 2.7270  | 4700.0 | 81  | 46565 | No |
| 235 | GOM_NL__2PRFIN20110125_194715_000000433098_00430_46565_2167.N1 | 25-JAN-2011 19:47:15 | Bright     | 42.500 | 130 | 23Bet Dra | 2.7990  | 5800.0 | 85  | 46565 | No |
| 236 | GOM_NL__2PRFIN20110125_195342_000000593098_00430_46565_2168.N1 | 25-JAN-2011 19:53:42 | Bright     | 59.000 | 133 | 40Zet Her | 2.8070  | 6000.0 | 118 | 46565 | No |
| 237 | GOM_NL__2PRFIN20110125_195704_000000613098_00430_46565_2169.N1 | 25-JAN-2011 19:57:04 | Bright     | 61.000 | 127 | 27Bet Her | 2.7810  | 4700.0 | 122 | 46565 | No |
| 238 | GOM_NL__2PRFIN20110125_200327_000000573098_00430_46565_2170.N1 | 25-JAN-2011 20:03:27 | Twilight   | 57.000 | 102 | 24Alp Ser | 2.6000  | 4250.0 | 114 | 46565 | No |
| 239 | GOM_NL__2PRFIN20110125_200632_000000443098_00430_46565_2171.N1 | 25-JAN-2011 20:06:32 | Twilight   | 44.000 | 98  | 13Zet Oph | 2.5710  | 30000. | 88  | 46565 | No |
| 240 | GOM_NL__2PRFIN20110125_201102_000000563098_00430_46565_2172.N1 | 25-JAN-2011 20:11:02 | Dark       | 55.500 | 16  | 21Alp Sco | 1.0200  | 3000.0 | 111 | 46565 | No |
| 241 | GOM_NL__2PRFIN20110125_201638_000000423098_00430_46565_2173.N1 | 25-JAN-2011 20:16:38 | Dark       | 41.500 | 131 | Gam Lup   | 2.8000  | 26000. | 83  | 46565 | No |
| 242 | GOM_NL__2PRFIN20110125_201841_000000443098_00430_46565_2174.N1 | 25-JAN-2011 20:18:41 | Dark       | 43.500 | 109 | Bet Lup   | 2.6770  | 26000. | 87  | 46565 | No |
| 243 | GOM_NL__2PRFIN20110125_202009_000000433098_00431_46566_2185.N1 | 25-JAN-2011 20:20:09 | Dark       | 43.000 | 78  | Alp Lup   | 2.3040  | 28000. | 86  | 46566 | No |
| 244 | GOM_NL__2PRFIN20110125_220328_000000433099_00001_46567_2201.N1 | 25-JAN-2011 22:03:28 | Dark       | 42.500 | 10  | Bet Cen   | 0.61000 | 28000. | 85  | 46567 | No |
| 245 | GOM_NL__2PRFIN20110125_220654_000000443099_00001_46567_2202.N1 | 25-JAN-2011 22:06:54 | Dark       | 43.500 | 12  | Alp1Cru   | 0.77500 | 30000. | 87  | 46567 | No |
| 246 | GOM_NL__2PRFIN20110125_220832_000000473099_00001_46567_2203.N1 | 25-JAN-2011 22:08:32 | Dark       | 46.500 | 99  | Del Cen   | 2.5750  | 26000. | 93  | 46567 | No |
| 247 | GOM_NL__2PRFIN20110125_221355_000000413099_00001_46567_2204.N1 | 25-JAN-2011 22:13:55 | Dark       | 40.500 | 91  | Kap Vel   | 2.4900  | 26000. | 81  | 46567 | No |
| 248 | GOM_NL__2PRFIN20110125_221715_000000473099_00001_46567_2205.N1 | 25-JAN-2011 22:17:15 | Dark       | 47.000 | 65  | Lam Vel   | 2.2040  | 4400.0 | 94  | 46567 | No |
| 249 | GOM_NL__2PRFIN20110125_222357_000000423099_00001_46567_2206.N1 | 25-JAN-2011 22:23:57 | Straylight | 42.000 | 132 | 15Rho Pup | 2.8030  | 6900.0 | 84  | 46567 | No |
| 250 | GOM_NL__2PRFIN20110125_223258_000000473099_00001_46567_2207.N1 | 25-JAN-2011 22:32:58 | Twilight   | 46.500 | 8   | 10Alp CMi | 0.40000 | 6500.0 | 93  | 46567 | No |
| 251 | GOM_NL__2PRFIN20110125_223952_000000443099_00001_46567_2208.N1 | 25-JAN-2011 22:39:52 | Bright     | 44.000 | 17  | 78Bet Gem | 1.1610  | 4500.0 | 88  | 46567 | No |
| 252 | GOM_NL__2PRFIN20110125_225521_000000483099_00001_46567_2209.N1 | 25-JAN-2011 22:55:21 | Bright     | 48.000 | 36  | 50Alp UMa | 1.8000  | 6300.0 | 96  | 46567 | No |
| 253 | GOM_NL__2PRFIN20110125_230011_000000413099_00001_46567_2210.N1 | 25-JAN-2011 23:00:11 | Bright     | 40.500 | 60  | 7Bet UMi  | 2.0810  | 3950.0 | 81  | 46567 | No |
| 254 | GOM_NL__2PRFIN20110125_230445_000000533099_00001_46567_2211.N1 | 25-JAN-2011 23:04:45 | Bright     | 53.000 | 119 | 14Eta Dra | 2.7270  | 4700.0 | 106 | 46567 | No |
| 255 | GOM_NL__2PRFIN20110125_230742_000000543099_00001_46567_2212.N1 | 25-JAN-2011 23:07:42 | Bright     | 54.000 | 130 | 23Bet Dra | 2.7990  | 5800.0 | 108 | 46567 | No |
| 256 | GOM_NL__2PRFIN20110125_231410_000000413099_00001_46567_2213.N1 | 25-JAN-2011 23:14:10 | Bright     | 40.500 | 133 | 40Zet Her | 2.8070  | 6000.0 | 81  | 46567 | No |
| 257 | GOM_NL__2PRFIN20110125_231732_000000423099_00001_46567_2214.N1 | 25-JAN-2011 23:17:32 | Bright     | 42.000 | 127 | 27Bet Her | 2.7810  | 4700.0 | 84  | 46567 | No |
| 258 | GOM_NL__2PRFIN20110125_232356_000000613099_00001_46567_2215.N1 | 25-JAN-2011 23:23:56 | Twilight   | 60.500 | 102 | 24Alp Ser | 2.6000  | 4250.0 | 121 | 46567 | No |
| 259 | GOM_NL__2PRFIN20110125_232701_000000443099_00001_46567_2216.N1 | 25-JAN-2011 23:27:01 | Twilight   | 43.500 | 98  | 13Zet Oph | 2.5710  | 30000. | 87  | 46567 | No |
| 260 | GOM_NL__2PRFIN20110125_233131_000000533099_00001_46567_2217.N1 | 25-JAN-2011 23:31:31 | Dark       | 52.500 | 16  | 21Alp Sco | 1.0200  | 3000.0 | 105 | 46567 | No |
| 261 | GOM_NL__2PRFIN20110125_233707_000000423099_00001_46567_2218.N1 | 25-JAN-2011 23:37:07 | Dark       | 41.500 | 131 | Gam Lup   | 2.8000  | 26000. | 83  | 46567 | No |
| 262 | GOM_NL__2PRFIN20110125_233910_000000433099_00001_46567_2219.N1 | 25-JAN-2011 23:39:10 | Dark       | 43.000 | 109 | Bet Lup   | 2.6770  | 26000. | 86  | 46567 | No |
| 263 | GOM_NL__2PRFIN20110125_234038_000000443099_00002_46568_2212.N1 | 25-JAN-2011 23:40:38 | Dark       | 43.500 | 78  | Alp Lup   | 2.3040  | 28000. | 87  | 46568 | No |
| 264 | GOM_NL__2PRFIN20110125_234342_000000433099_00002_46568_2213.N1 | 25-JAN-2011 23:43:42 | Dark       | 43.000 | 10  | Bet Cen   | 0.61000 | 28000. | 86  | 46568 | No |
| 265 | GOM_NL__2PRFIN20110125_234709_000000423099_00002_46568_2214.N1 | 25-JAN-2011 23:47:09 | Dark       | 42.000 | 12  | Alp1Cru   | 0.77500 | 30000. | 84  | 46568 | No |
| 266 | GOM_NL__2PRFIN20110125_235410_000000413099_00002_46568_2215.N1 | 25-JAN-2011 23:54:10 | Dark       | 41.000 | 91  | Kap Vel   | 2.4900  | 26000. | 82  | 46568 | No |
| 267 | GOM_NL__2PRFIN20110125_235729_000000493099_00002_46568_2216.N1 | 25-JAN-2011 23:57:29 | Dark       | 48.500 | 65  | Lam Vel   | 2.2040  | 4400.0 | 97  | 46568 | No |

### 3. Quality information per product

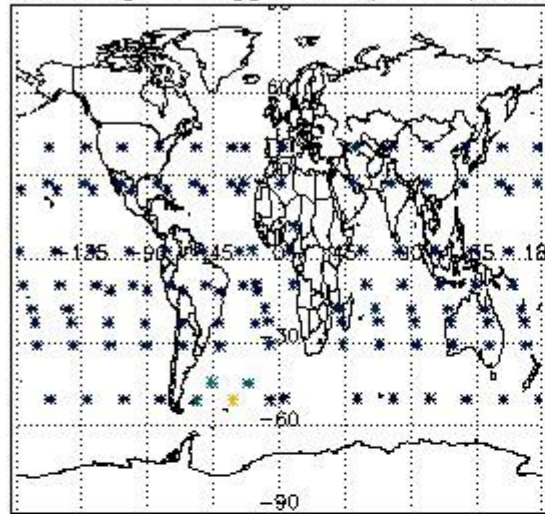
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

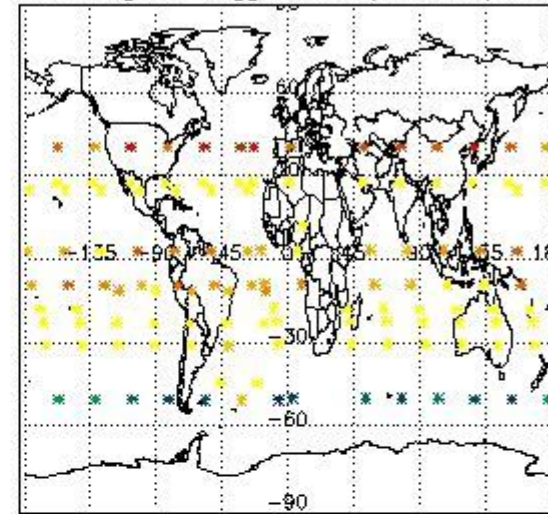


3.2 Plot quality information per product (world map)

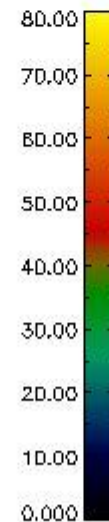
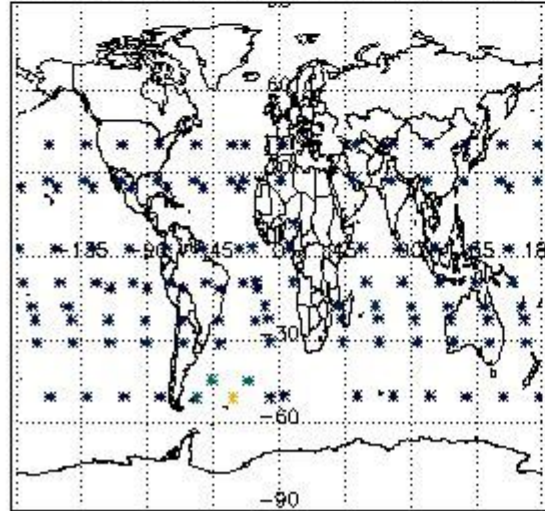
Percentage of flagged data per O3 profile



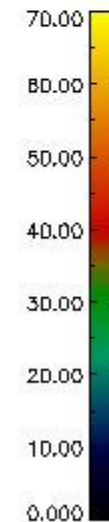
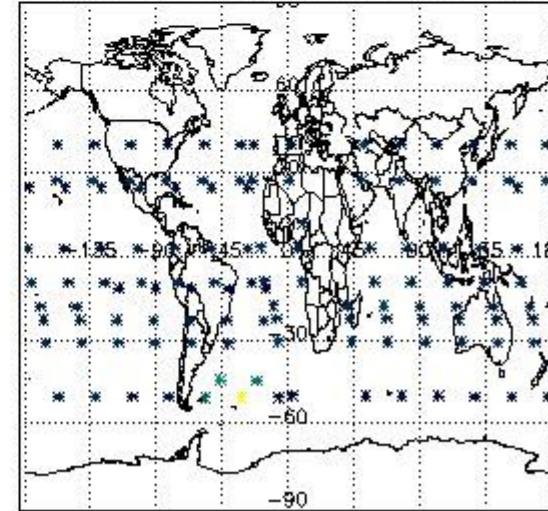
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile



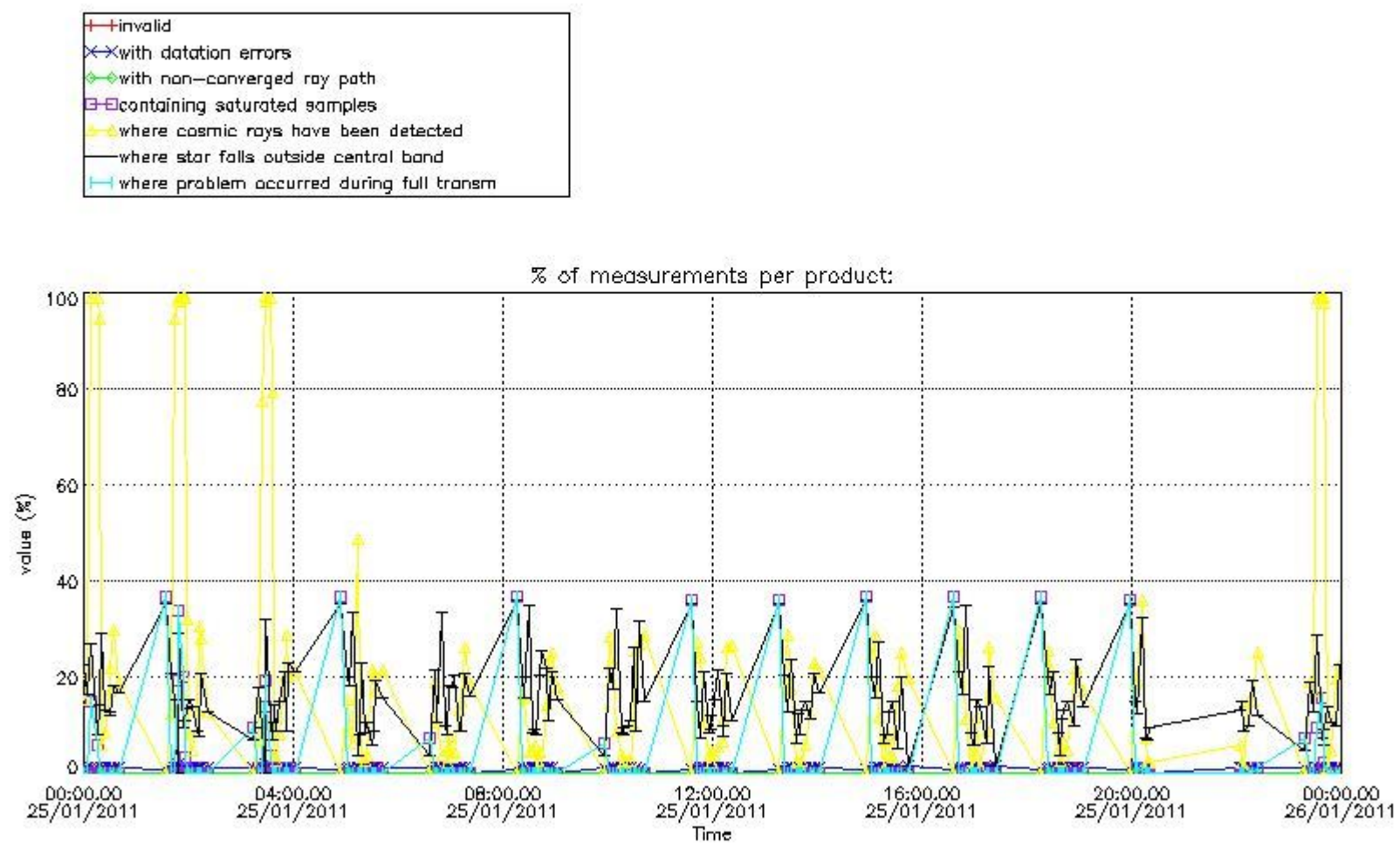
#### 4. Level 1 quality information per product

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.

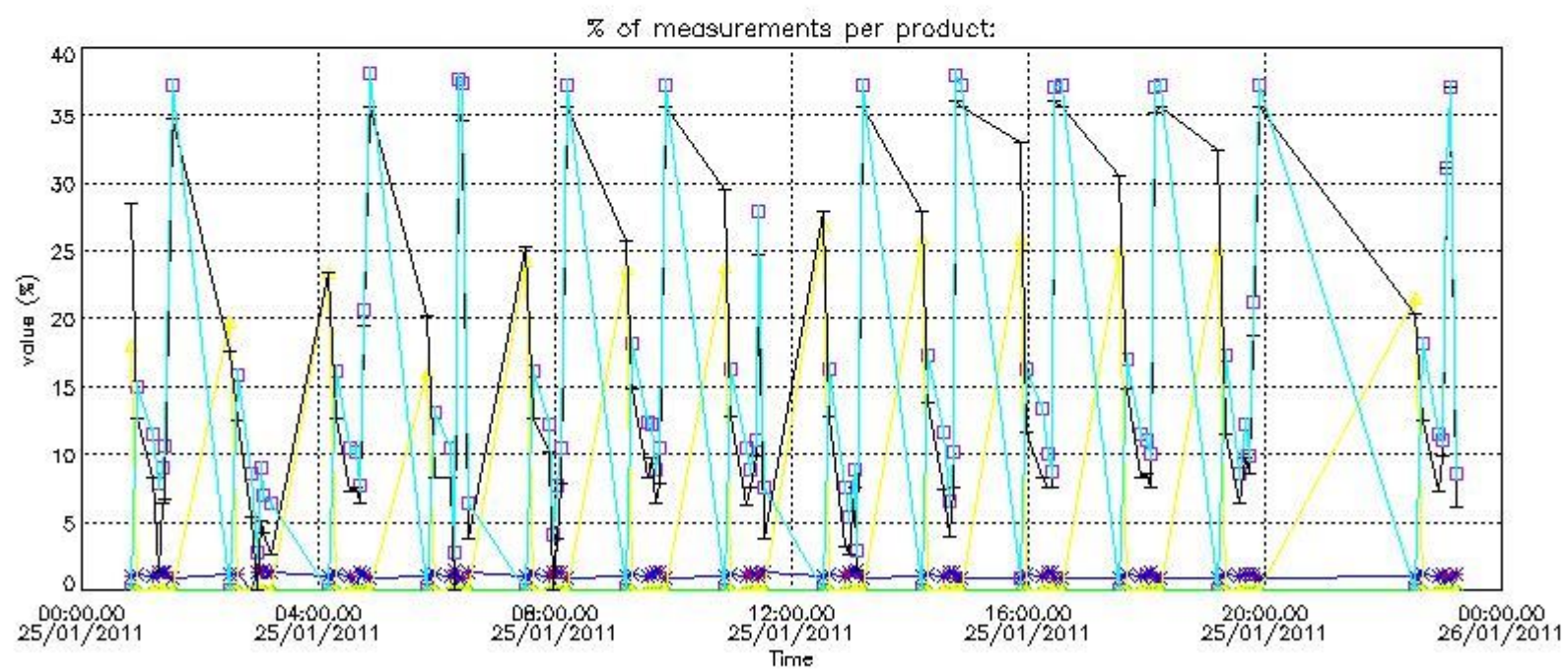
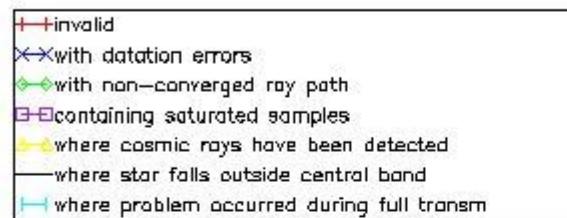
##### 4.1 Plot quality information per product (time dependant) coming from level 1b processing

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





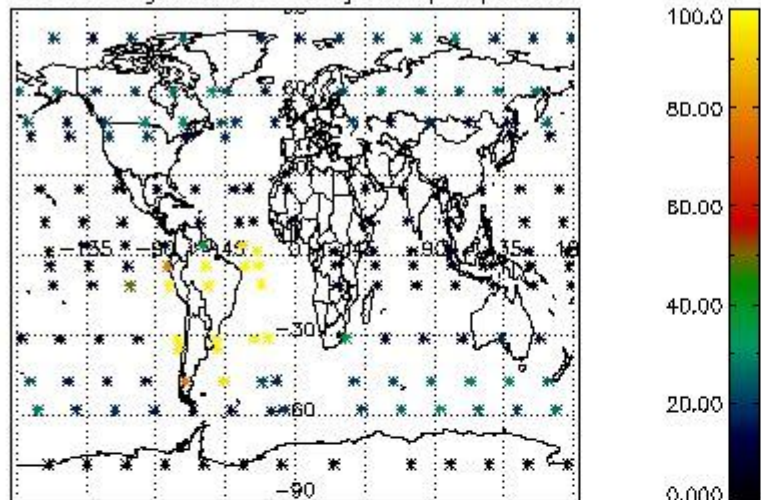
4.1.2 Plot level 1 quality information per product (time dependant): ENVISAT DESCENDING passes



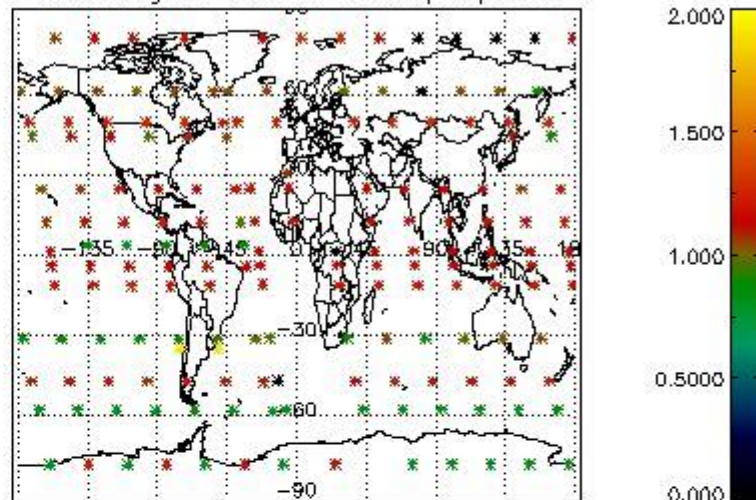
*4.2 Plot quality information per product coming from level 1b processing (world map)*

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

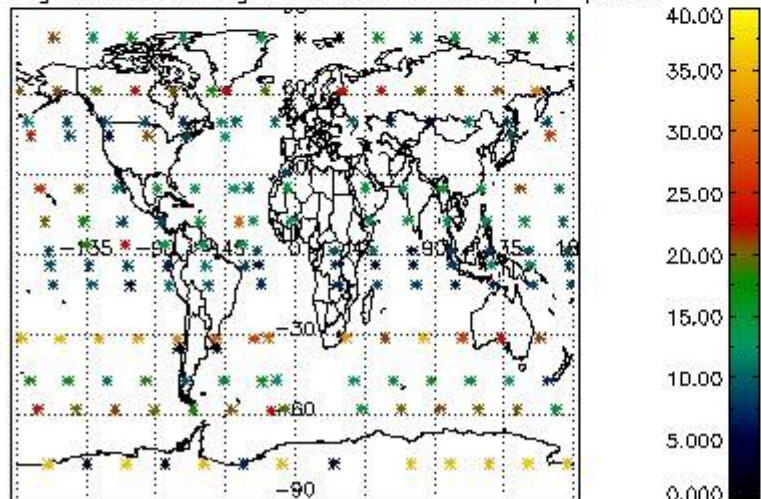
Percentage of cosmic ray hits per profile



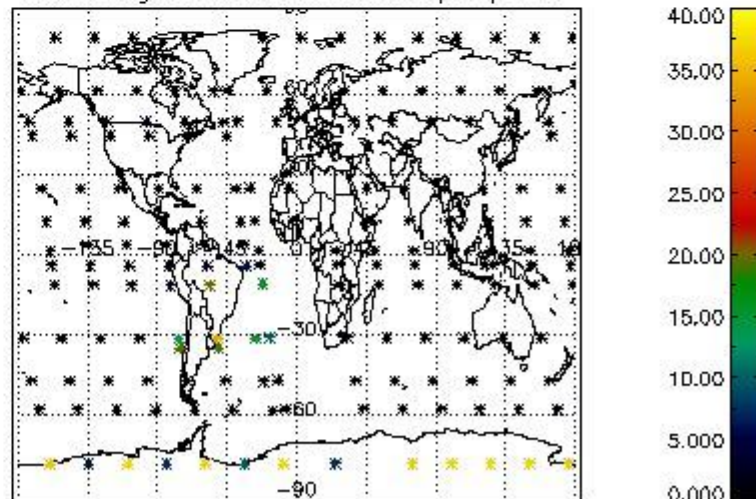
Percentage of datation errors per profile



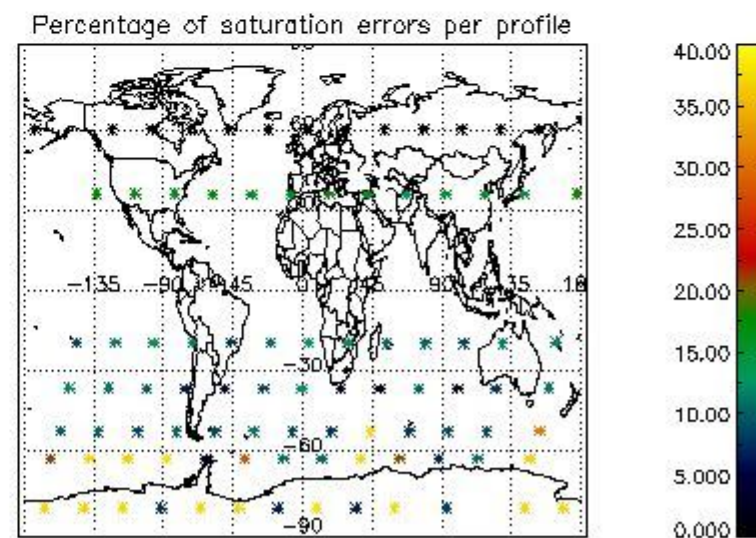
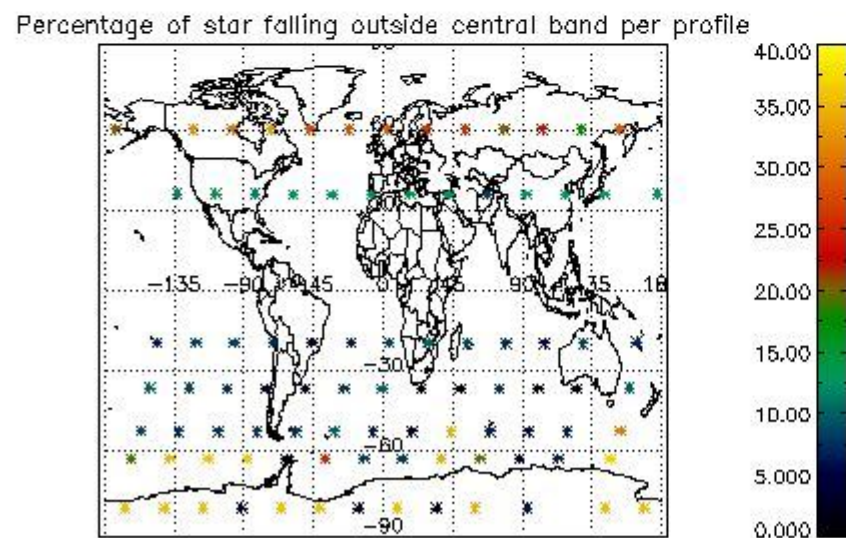
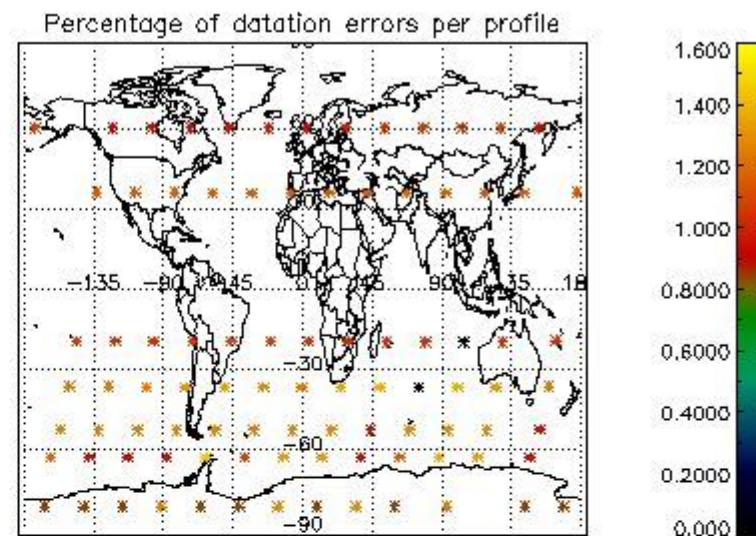
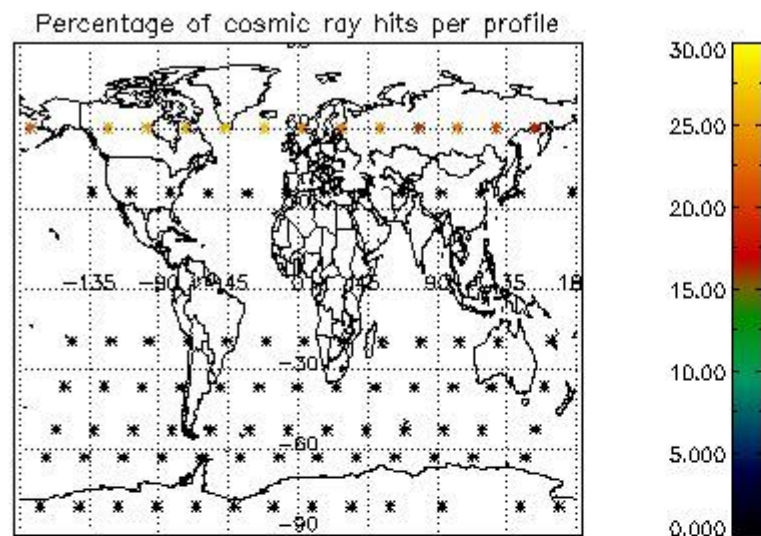
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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



## 5. Trace gas profiles

### 5.1 Ozone statistics based on quality of products

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

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

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

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

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

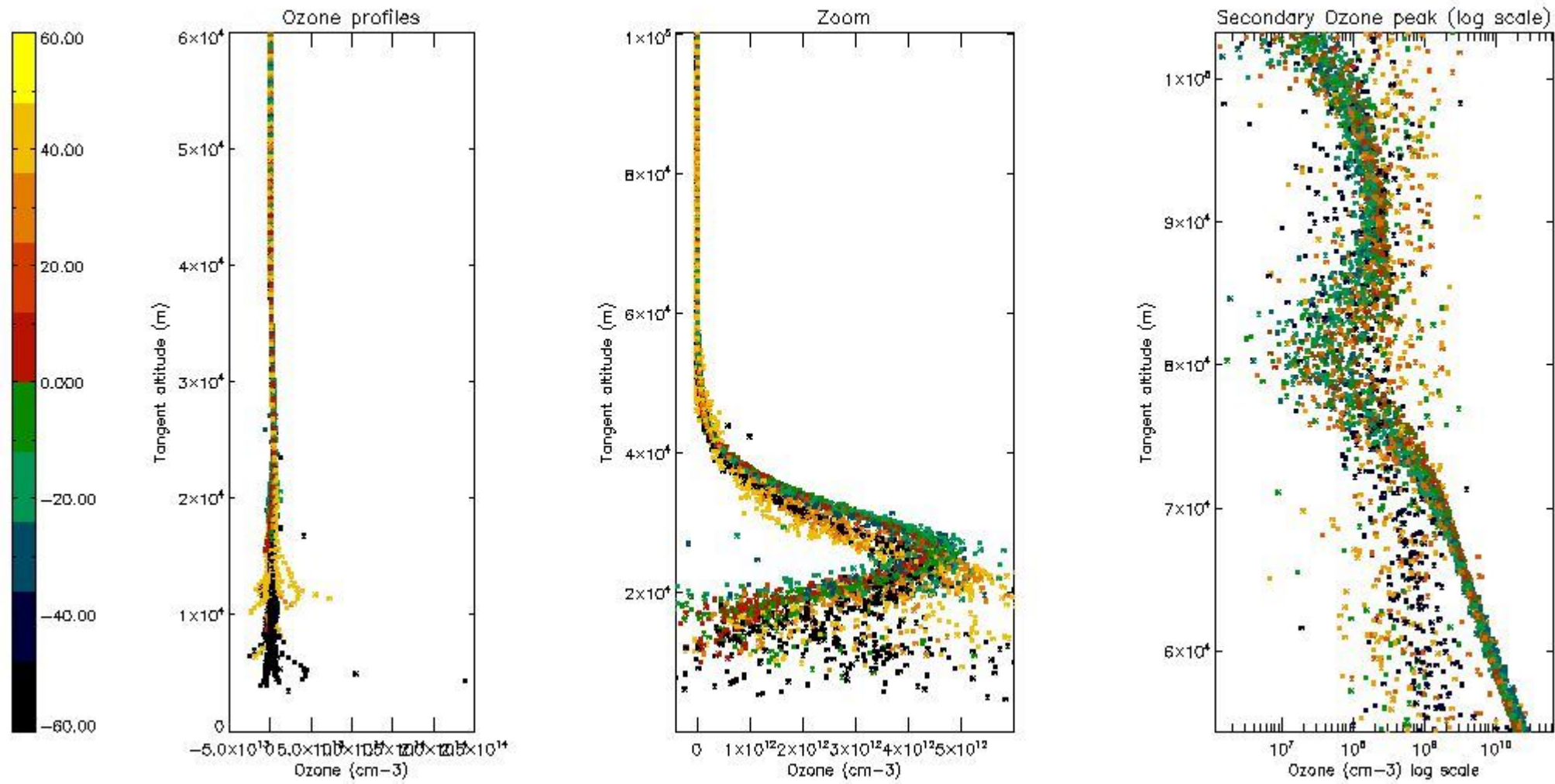
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

| Criteria | % of total production |
|----------|-----------------------|
| All STD  | 45                    |
| STD < 20 | 22                    |

|          |    |
|----------|----|
| STD < 10 | 17 |
| STD < 5  | 12 |

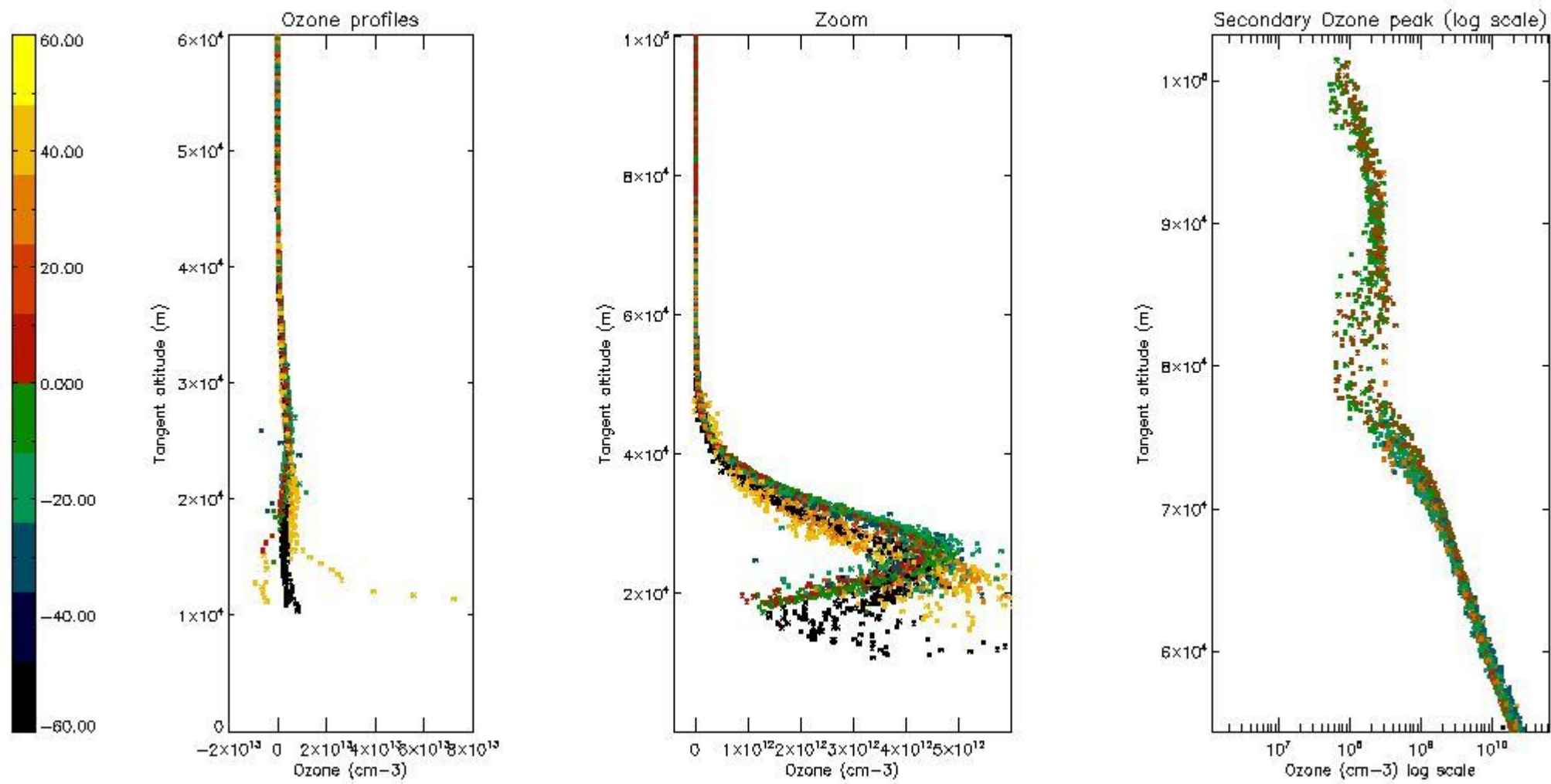
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



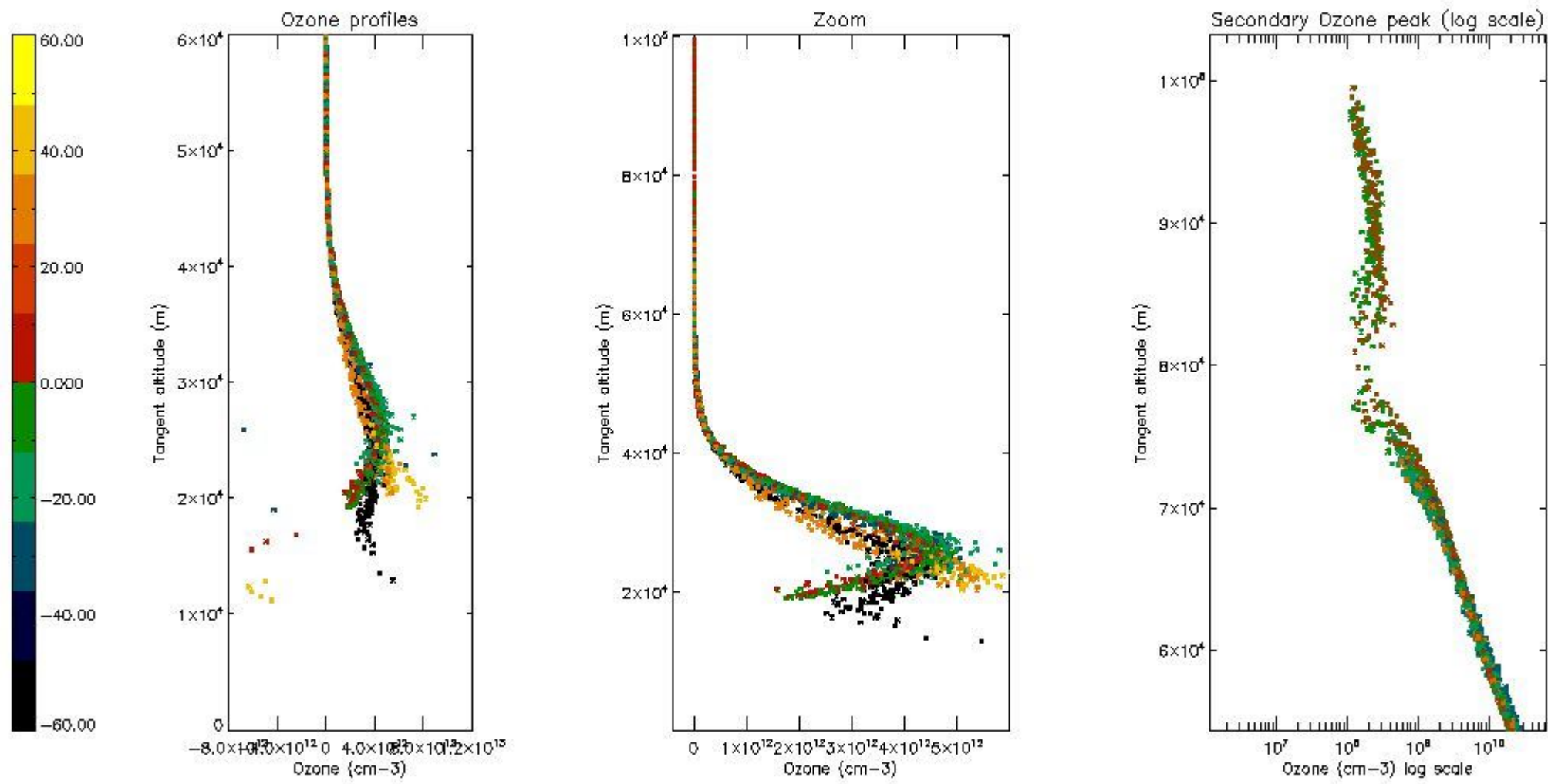
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



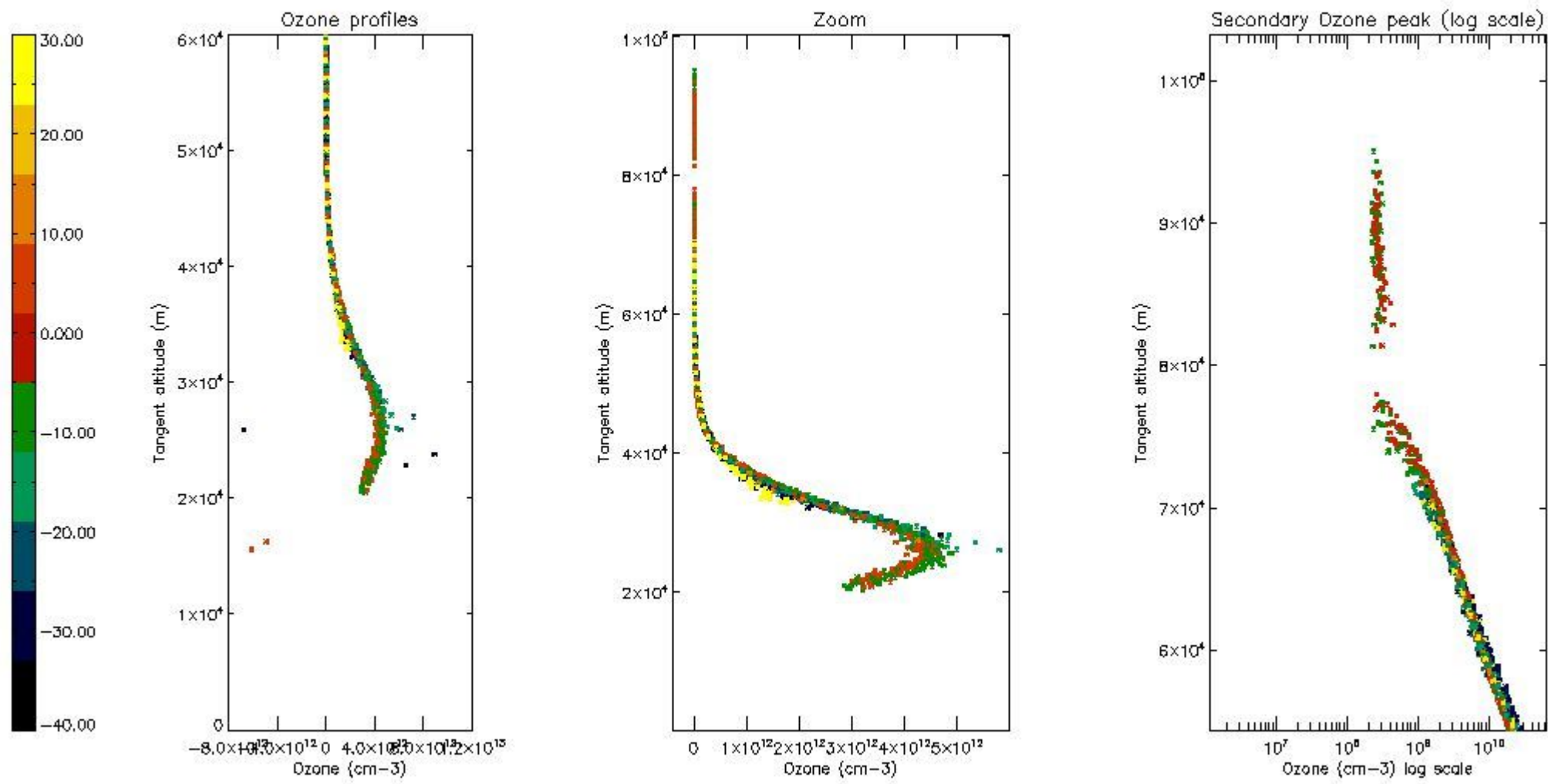
5.4 Plot ozone profiles where  $STD < 10\%$  (dark without errors)

The colorbar represents the latitude.



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

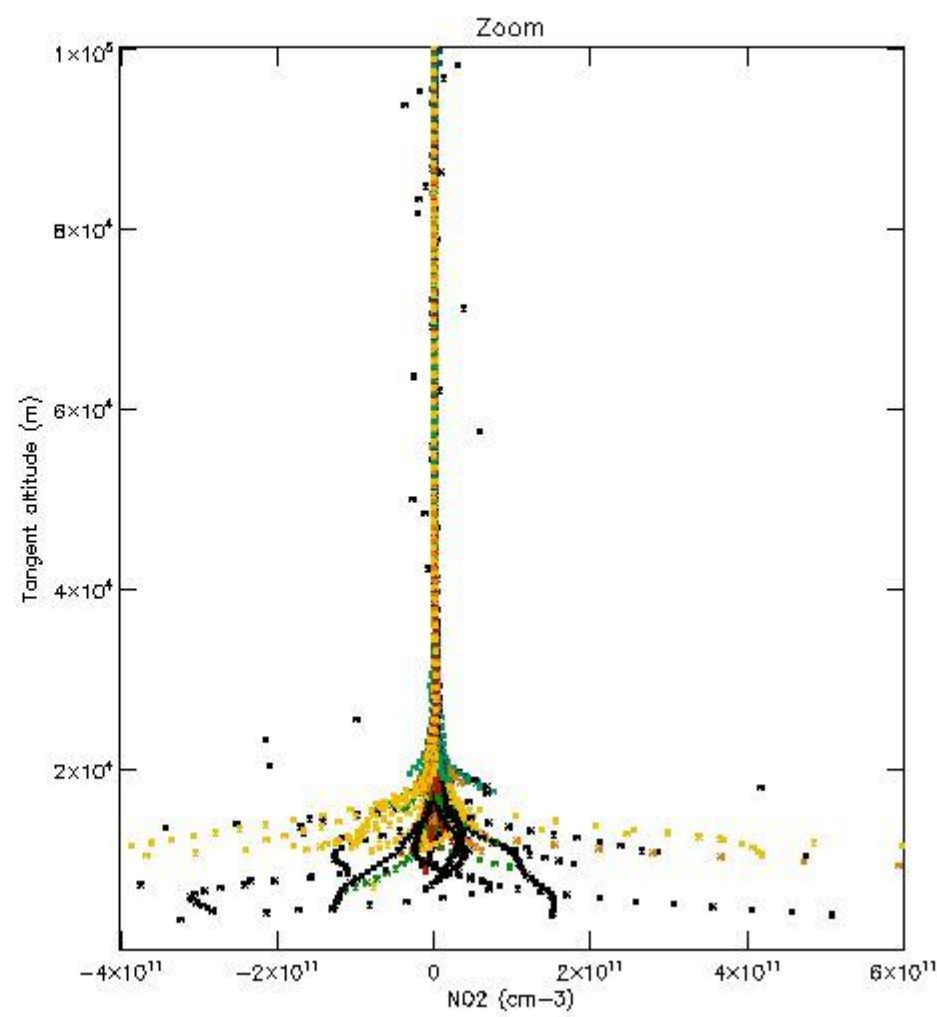
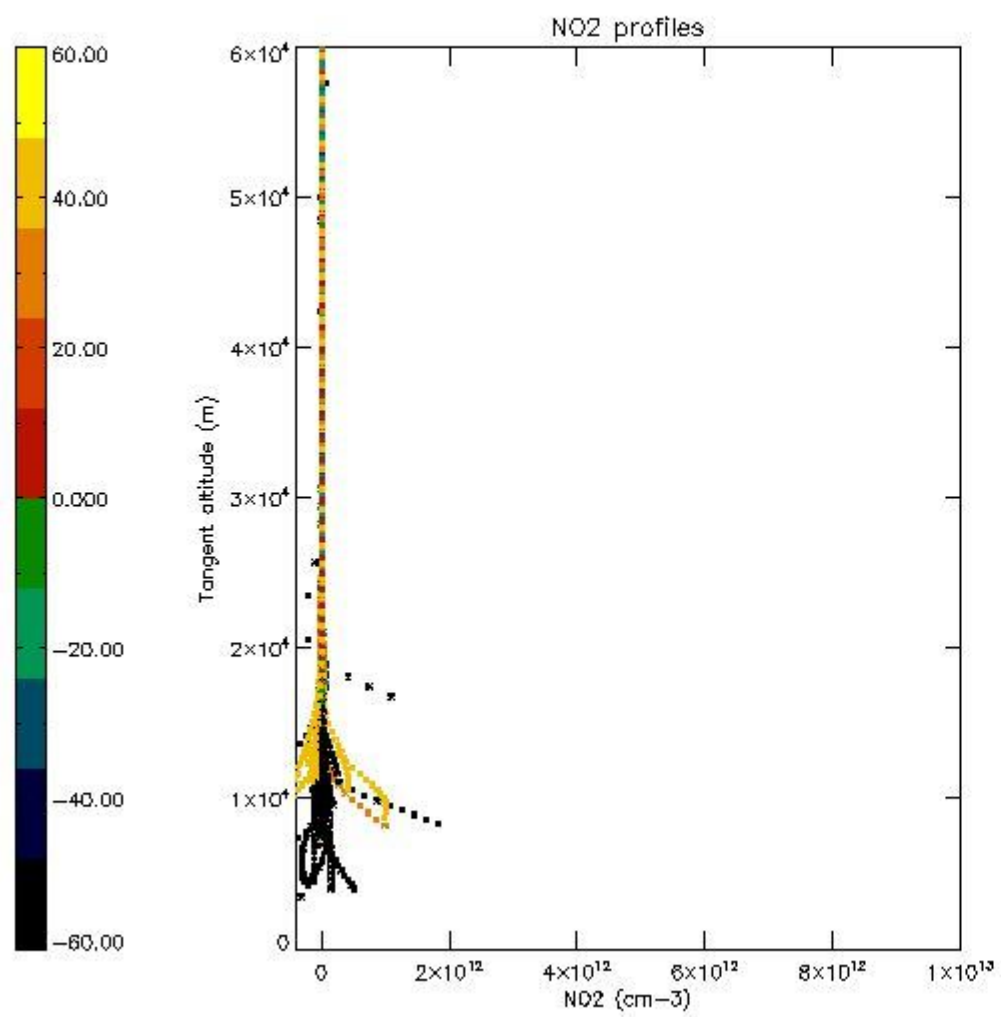
The colorbar represents the latitude.



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

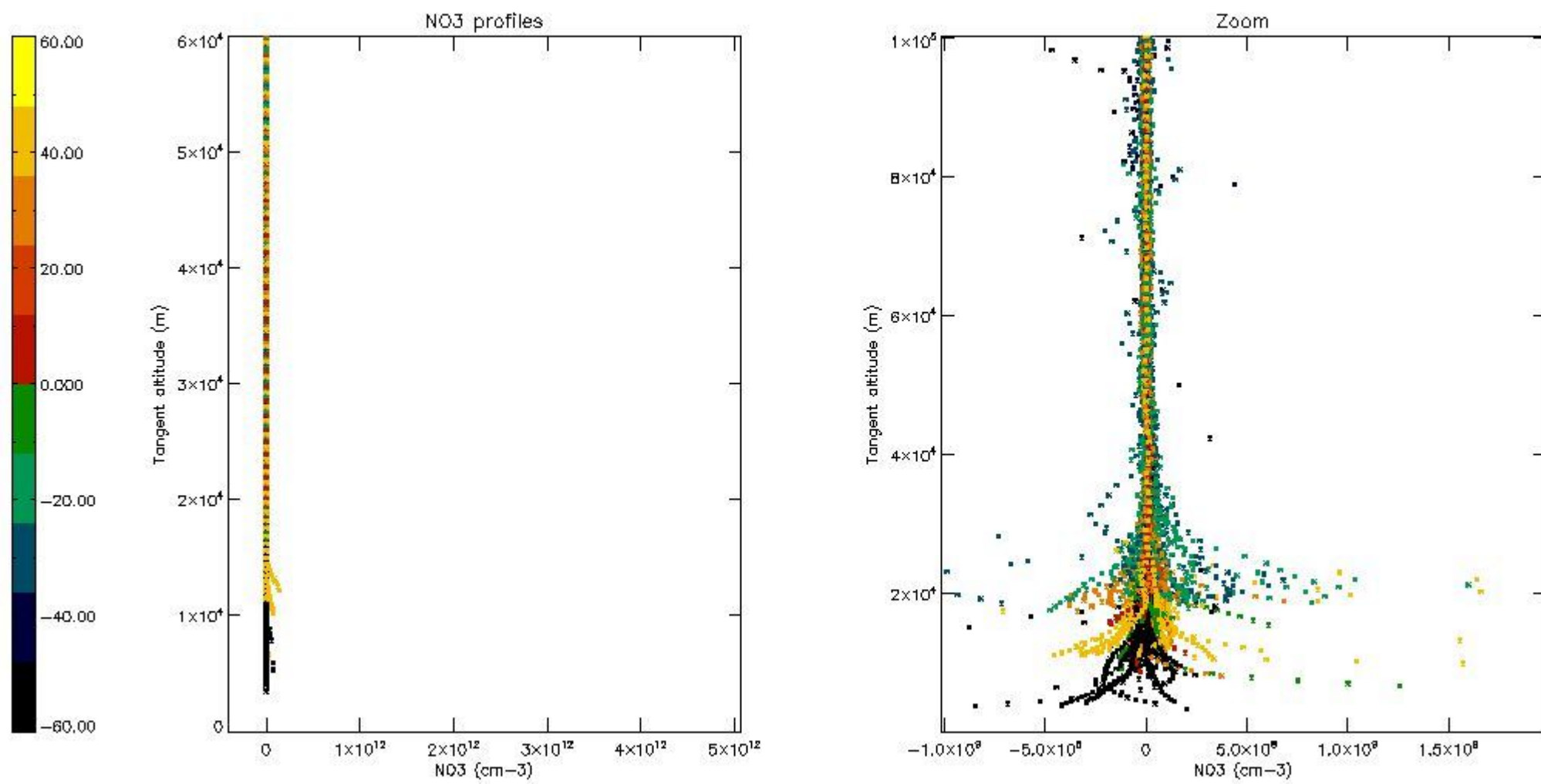
The colorbar represents the latitude.





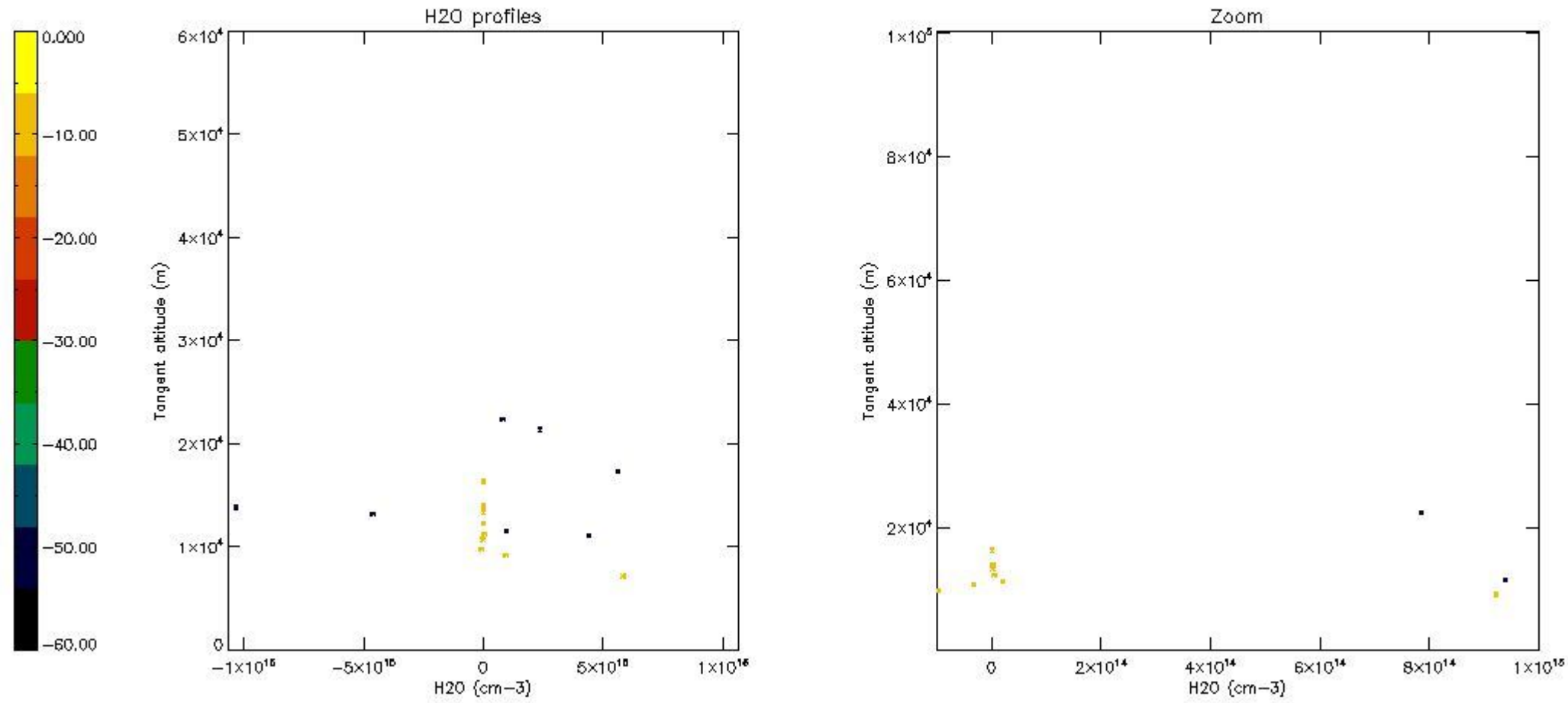
*5.7 Plot NO3 profiles for all STD (dark without errors)*

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                  | 25-JAN-2011 00:00:30    |
| LEVEL-2_PROC_CONFIG       | GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000 | 1                  | 25-JAN-2011 00:00:30    |
| CROSS_SECTIONS_FILE       | GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000 | 1                  | 25-JAN-2011 00:00:30    |

# 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 | 24APR2013 09:36:50              |
| Data source version       | GOMOS/6.01                      |
| Start time of products    | 25-01-2011 (25JAN2011 00:00:00) |
| Stop time of products     | 26-01-2011 (26JAN2011 00:00:00) |
| Store outputs in DB       | Yes                             |
| Nb of level 2 prods       | 267                             |
| Nb of prods with errors   | 0                               |

## 2. Summary of processed GOM\_NL\_\_2P products.

| Nr | Filename   | UTC Start time       | Limb       | Duration | Star Id | Star Name | Star Mag | Star Temp | Nb Meas | Orbit | Prod. error |
|----|--|----------------------|------------|----------|---------|-----------|----------|-----------|---------|-------|-------------|
| 1  | GOM_NL__2PRFIN20110125_000030_000000623098_00418_46553_1883.N1 | 25-JAN-2011 00:00:30 | Bright     | 62.000   | 102     | 24Alp Ser | 2.6000   | 4250.0    | 124     | 46553 | No          |
| 2  | GOM_NL__2PRFIN20110125_000337_000000463098_00418_46553_1884.N1 | 25-JAN-2011 00:03:37 | Twilight   | 45.500   | 98      | 13Zet Oph | 2.5710   | 30000.    | 91      | 46553 | No          |
| 3  | GOM_NL__2PRFIN20110125_000807_000000513098_00418_46553_1885.N1 | 25-JAN-2011 00:08:07 | Dark       | 50.500   | 16      | 21Alp Sco | 1.0200   | 3000.0    | 101     | 46553 | No          |
| 4  | GOM_NL__2PRFIN20110125_001543_000000443098_00418_46553_1886.N1 | 25-JAN-2011 00:15:43 | Dark       | 43.500   | 109     | Bet Lup   | 2.6770   | 26000.    | 87      | 46553 | No          |
| 5  | GOM_NL__2PRFIN20110125_001754_000000573098_00419_46554_1878.N1 | 25-JAN-2011 00:17:54 | Dark       | 56.500   | 54      | 5The Cen  | 2.0550   | 4500.0    | 113     | 46554 | No          |
| 6  | GOM_NL__2PRFIN20110125_002018_000000523098_00419_46554_1879.N1 | 25-JAN-2011 00:20:18 | Dark       | 51.500   | 10      | Bet Cen   | 0.61000  | 28000.    | 103     | 46554 | No          |
| 7  | GOM_NL__2PRFIN20110125_002345_000000433098_00419_46554_1880.N1 | 25-JAN-2011 00:23:45 | Dark       | 42.500   | 12      | Alp1Cru   | 0.77500  | 30000.    | 85      | 46554 | No          |
| 8  | GOM_NL__2PRFIN20110125_002919_000000473098_00419_46554_1881.N1 | 25-JAN-2011 00:29:19 | Dark       | 47.000   | 113     | Mu Vel    | 2.6920   | 5000.0    | 94      | 46554 | No          |
| 9  | GOM_NL__2PRFIN20110125_003048_000000423098_00419_46554_1882.N1 | 25-JAN-2011 00:30:48 | Dark       | 41.500   | 91      | Kap Vel   | 2.4900   | 26000.    | 83      | 46554 | No          |
| 10 | GOM_NL__2PRFIN20110125_003407_000000473098_00419_46554_1883.N1 | 25-JAN-2011 00:34:07 | Dark       | 47.000   | 65      | Lam Vel   | 2.2040   | 4400.0    | 94      | 46554 | No          |
| 11 | GOM_NL__2PRFIN20110125_004052_000000453098_00419_46554_1884.N1 | 25-JAN-2011 00:40:52 | Straylight | 45.000   | 132     | 15Rho Pup | 2.8030   | 6900.0    | 90      | 46554 | No          |
| 12 | GOM_NL__2PRFIN20110125_004957_000000533098_00419_46554_1885.N1 | 25-JAN-2011 00:49:57 | Twilight   | 52.500   | 8       | 10Alp CMi | 0.40000  | 6500.0    | 105     | 46554 | No          |
| 13 | GOM_NL__2PRFIN20110125_005653_000000443098_00419_46554_1886.N1 | 25-JAN-2011 00:56:53 | Bright     | 43.500   | 17      | 78Bet Gem | 1.1610   | 4500.0    | 87      | 46554 | No          |
| 14 | GOM_NL__2PRFIN20110125_011228_000000483098_00419_46554_1887.N1 | 25-JAN-2011 01:12:28 | Bright     | 48.000   | 36      | 50Alp UMa | 1.8000   | 6300.0    | 96      | 46554 | No          |
| 15 | GOM_NL__2PRFIN20110125_011711_000000383098_00419_46554_1888.N1 | 25-JAN-2011 01:17:11 | Bright     | 38.000   | 60      | 7Bet UMi  | 2.0810   | 3950.0    | 76      | 46554 | No          |
| 16 | GOM_NL__2PRFIN20110125_012145_000000393098_00419_46554_1889.N1 | 25-JAN-2011 01:21:45 | Bright     | 39.000   | 119     | 14Eta Dra | 2.7270   | 4700.0    | 78      | 46554 | No          |
| 17 | GOM_NL__2PRFIN20110125_012440_000000383098_00419_46554_1890.N1 | 25-JAN-2011 01:24:40 | Bright     | 37.500   | 130     | 23Bet Dra | 2.7990   | 5800.0    | 75      | 46554 | No          |
| 18 | GOM_NL__2PRFIN20110125_013106_000000593098_00419_46554_1891.N1 | 25-JAN-2011 01:31:06 | Bright     | 59.000   | 133     | 40Zet Her | 2.8070   | 6000.0    | 118     | 46554 | No          |
| 19 | GOM_NL__2PRFIN20110125_013426_000000613098_00419_46554_1892.N1 | 25-JAN-2011 01:34:26 | Bright     | 61.000   | 127     | 27Bet Her | 2.7810   | 4700.0    | 122     | 46554 | No          |
| 20 | GOM_NL__2PRFIN20110125_014044_000000613098_00419_46554_1893.N1 | 25-JAN-2011 01:40:44 | Twilight   | 60.500   | 102     | 24Alp Ser | 2.6000   | 4250.0    | 121     | 46554 | No          |
| 21 | GOM_NL__2PRFIN20110125_014351_000000463098_00419_46554_1894.N1 | 25-JAN-2011 01:43:51 | Twilight   | 45.500   | 98      | 13Zet Oph | 2.5710   | 30000.    | 91      | 46554 | No          |
| 22 | GOM_NL__2PRFIN20110125_014722_000000263098_00419_46554_1895.N1 | 25-JAN-2011 01:47:22 | Dark       | 26.000   | 104     | 27Bet Lib | 2.6140   | 13100.    | 52      | 46554 | No          |
| 23 | GOM_NL__2PRFIN20110125_014821_000000533098_00419_46554_1896.N1 | 25-JAN-2011 01:48:21 | Dark       | 53.000   | 16      | 21Alp Sco | 1.0200   | 3000.0    | 106     | 46554 | No          |
| 24 | GOM_NL__2PRFIN20110125_015355_000000433098_00419_46554_1897.N1 | 25-JAN-2011 01:53:55 | Dark       | 42.500   | 131     | Gam Lup   | 2.8000   | 26000.    | 85      | 46554 | No          |
| 25 | GOM_NL__2PRFIN20110125_015557_000000463098_00419_46554_1898.N1 | 25-JAN-2011 01:55:57 | Dark       | 45.500   | 109     | Bet Lup   | 2.6770   | 26000.    | 91      | 46554 | No          |
| 26 | GOM_NL__2PRFIN20110125_015810_000000563098_00420_46555_1887.N1 | 25-JAN-2011 01:58:10 | Dark       | 56.000   | 54      | 5The Cen  | 2.0550   | 4500.0    | 112     | 46555 | No          |
| 27 | GOM_NL__2PRFIN20110125_020033_000000433098_00420_46555_1888.N1 | 25-JAN-2011 02:00:33 | Dark       | 43.000   | 10      | Bet Cen   | 0.61000  | 28000.    | 86      | 46555 | No          |
| 28 | GOM_NL__2PRFIN20110125_020359_000000443098_00420_46555_1889.N1 | 25-JAN-2011 02:03:59 | Dark       | 43.500   | 12      | Alp1Cru   | 0.77500  | 30000.    | 87      | 46555 | No          |
| 29 | GOM_NL__2PRFIN20110125_020933_000000463098_00420_46555_1890.N1 | 25-JAN-2011 02:09:33 | Dark       | 46.000   | 113     | Mu Vel    | 2.6920   | 5000.0    | 92      | 46555 | No          |
| 30 | GOM_NL__2PRFIN20110125_021102_000000403098_00420_46555_1891.N1 | 25-JAN-2011 02:11:02 | Dark       | 39.500   | 91      | Kap Vel   | 2.4900   | 26000.    | 79      | 46555 | No          |
| 31 | GOM_NL__2PRFIN20110125_021422_000000493098_00420_46555_1892.N1 | 25-JAN-2011 02:14:22 | Dark       | 48.500   | 65      | Lam Vel   | 2.2040   | 4400.0    | 97      | 46555 | No          |
| 32 | GOM_NL__2PRFIN20110125_022106_000000433098_00420_46555_1893.N1 | 25-JAN-2011 02:21:06 | Straylight | 43.000   | 132     | 15Rho Pup | 2.8030   | 6900.0    | 86      | 46555 | No          |
| 33 | GOM_NL__2PRFIN20110125_023010_000000463098_00420_46555_1894.N1 | 25-JAN-2011 02:30:10 | Twilight   | 45.500   | 8       | 10Alp CMi | 0.40000  | 6500.0    | 91      | 46555 | No          |
| 34 | GOM_NL__2PRFIN20110125_023707_000000443098_00420_46555_1895.N1 | 25-JAN-2011 02:37:07 | Bright     | 44.000   | 17      | 78Bet Gem | 1.1610   | 4500.0    | 88      | 46555 | No          |
| 35 | GOM_NL__2PRFIN20110125_025241_000000473098_00420_46555_1896.N1 | 25-JAN-2011 02:52:41 | Bright     | 46.500   | 36      | 50Alp UMa | 1.8000   | 6300.0    | 93      | 46555 | No          |
| 36 | GOM_NL__2PRFIN20110125_025725_000000373098_00420_46555_1897.N1 | 25-JAN-2011 02:57:25 | Bright     | 36.500   | 60      | 7Bet UMi  | 2.0810   | 3950.0    | 73      | 46555 | No          |
| 37 | GOM_NL__2PRFIN20110125_030159_000000393098_00420_46555_1898.N1 | 25-JAN-2011 03:01:59 | Bright     | 39.000   | 119     | 14Eta Dra | 2.7270   | 4700.0    | 78      | 46555 | No          |
| 38 | GOM_NL__2PRFIN20110125_030454_000000363098_00420_46555_1899.N1 | 25-JAN-2011 03:04:54 | Bright     | 36.000   | 130     | 23Bet Dra | 2.7990   | 5800.0    | 72      | 46555 | No          |
| 39 | GOM_NL__2PRFIN20110125_031120_000000393098_00420_46555_1900.N1 | 25-JAN-2011 03:11:20 | Bright     | 39.000   | 133     | 40Zet Her | 2.8070   | 6000.0    | 78      | 46555 | No          |
| 40 | GOM_NL__2PRFIN20110125_031441_000000433098_00420_46555_1901.N1 | 25-JAN-2011 03:14:41 | Bright     | 42.500   | 127     | 27Bet Her | 2.7810   | 4700.0    | 85      | 46555 | No          |
| 41 | GOM_NL__2PRFIN20110125_032059_000000593098_00420_46555_1902.N1 | 25-JAN-2011 03:20:59 | Twilight   | 58.500   | 102     | 24Alp Ser | 2.6000   | 4250.0    | 117     | 46555 | No          |
| 42 | GOM_NL__2PRFIN20110125_032406_000000423098_00420_46555_1903.N1 | 25-JAN-2011 03:24:06 | Twilight   | 42.000   | 98      | 13Zet Oph | 2.5710   | 30000.    | 84      | 46555 | No          |

|     |  |                      |                |        |     |           |         |        |     |       |    |
|-----|--|----------------------|----------------|--------|-----|-----------|---------|--------|-----|-------|----|
| 43  | GOM_NL__2PRFIN20110125_032738_000000263098_00420_46555_1904.N1 | 25-JAN-2011 03:27:38 | Dark           | 26.000 | 104 | 27Bet Lib | 2.6140  | 13100. | 52  | 46555 | No |
| 44  | GOM_NL__2PRFIN20110125_032836_000000553098_00420_46555_1905.N1 | 25-JAN-2011 03:28:36 | Dark           | 55.000 | 16  | 21Alp Sco | 1.0200  | 3000.0 | 110 | 46555 | No |
| 45  | GOM_NL__2PRFIN20110125_033410_000000433098_00420_46555_1906.N1 | 25-JAN-2011 03:34:10 | Dark           | 42.500 | 131 | Gam Lup   | 2.8000  | 26000. | 85  | 46555 | No |
| 46  | GOM_NL__2PRFIN20110125_033612_000000443098_00420_46555_1907.N1 | 25-JAN-2011 03:36:12 | Dark           | 43.500 | 109 | Bet Lup   | 2.6770  | 26000. | 87  | 46555 | No |
| 47  | GOM_NL__2PRFIN20110125_033825_000000573098_00421_46556_1907.N1 | 25-JAN-2011 03:38:25 | Dark           | 56.500 | 54  | 5The Cen  | 2.0550  | 4500.0 | 113 | 46556 | No |
| 48  | GOM_NL__2PRFIN20110125_034048_000000413098_00421_46556_1908.N1 | 25-JAN-2011 03:40:48 | Dark           | 40.500 | 10  | Bet Cen   | 0.61000 | 28000. | 81  | 46556 | No |
| 49  | GOM_NL__2PRFIN20110125_034414_000000443098_00421_46556_1909.N1 | 25-JAN-2011 03:44:14 | Dark           | 43.500 | 12  | Alp1Cru   | 0.77500 | 30000. | 87  | 46556 | No |
| 50  | GOM_NL__2PRFIN20110125_034948_000000533098_00421_46556_1910.N1 | 25-JAN-2011 03:49:48 | Dark           | 52.500 | 113 | Mu Vel    | 2.6920  | 5000.0 | 105 | 46556 | No |
| 51  | GOM_NL__2PRFIN20110125_035117_000000403098_00421_46556_1911.N1 | 25-JAN-2011 03:51:17 | Dark           | 40.000 | 91  | Kap Vel   | 2.4900  | 26000. | 80  | 46556 | No |
| 52  | GOM_NL__2PRFIN20110125_035436_000000503098_00421_46556_1912.N1 | 25-JAN-2011 03:54:36 | Dark           | 50.000 | 65  | Lam Vel   | 2.2040  | 4400.0 | 100 | 46556 | No |
| 53  | GOM_NL__2PRFIN20110125_040121_000000483098_00421_46556_1913.N1 | 25-JAN-2011 04:01:21 | Straylight     | 47.500 | 132 | 15Rho Pup | 2.8030  | 6900.0 | 95  | 46556 | No |
| 54  | GOM_NL__2PRFIN20110125_041025_000000493098_00421_46556_1914.N1 | 25-JAN-2011 04:10:25 | Tw_i_and_stray | 49.000 | 8   | 10Alp CMi | 0.40000 | 6500.0 | 98  | 46556 | No |
| 55  | GOM_NL__2PRFIN20110125_041721_000000443098_00421_46556_1915.N1 | 25-JAN-2011 04:17:21 | Bright         | 43.500 | 17  | 78Bet Gem | 1.1610  | 4500.0 | 87  | 46556 | No |
| 56  | GOM_NL__2PRFIN20110125_043255_000000483098_00421_46556_1916.N1 | 25-JAN-2011 04:32:55 | Bright         | 48.000 | 36  | 50Alp UMa | 1.8000  | 6300.0 | 96  | 46556 | No |
| 57  | GOM_NL__2PRFIN20110125_043739_000000403098_00421_46556_1917.N1 | 25-JAN-2011 04:37:39 | Bright         | 39.500 | 60  | 7Bet UMi  | 2.0810  | 3950.0 | 79  | 46556 | No |
| 58  | GOM_NL__2PRFIN20110125_044213_000000393098_00421_46556_1918.N1 | 25-JAN-2011 04:42:13 | Bright         | 39.000 | 119 | 14Eta Dra | 2.7270  | 4700.0 | 78  | 46556 | No |
| 59  | GOM_NL__2PRFIN20110125_044508_000000443098_00421_46556_1919.N1 | 25-JAN-2011 04:45:08 | Bright         | 43.500 | 130 | 23Bet Dra | 2.7990  | 5800.0 | 87  | 46556 | No |
| 60  | GOM_NL__2PRFIN20110125_045134_000000593098_00421_46556_1920.N1 | 25-JAN-2011 04:51:34 | Bright         | 59.000 | 133 | 40Zet Her | 2.8070  | 6000.0 | 118 | 46556 | No |
| 61  | GOM_NL__2PRFIN20110125_045455_000000613098_00421_46556_1921.N1 | 25-JAN-2011 04:54:55 | Bright         | 61.000 | 127 | 27Bet Her | 2.7810  | 4700.0 | 122 | 46556 | No |
| 62  | GOM_NL__2PRFIN20110125_050114_000000603098_00421_46556_1922.N1 | 25-JAN-2011 05:01:14 | Tw_i_and_stray | 59.500 | 102 | 24Alp Ser | 2.6000  | 4250.0 | 119 | 46556 | No |
| 63  | GOM_NL__2PRFIN20110125_050421_000000473098_00421_46556_1923.N1 | 25-JAN-2011 05:04:21 | Tw_i_and_stray | 46.500 | 98  | 13Zet Oph | 2.5710  | 30000. | 93  | 46556 | No |
| 64  | GOM_NL__2PRFIN20110125_050851_000000573098_00421_46556_1924.N1 | 25-JAN-2011 05:08:51 | Dark           | 56.500 | 16  | 21Alp Sco | 1.0200  | 3000.0 | 113 | 46556 | No |
| 65  | GOM_NL__2PRFIN20110125_051425_000000403098_00421_46556_1925.N1 | 25-JAN-2011 05:14:25 | Dark           | 40.000 | 131 | Gam Lup   | 2.8000  | 26000. | 80  | 46556 | No |
| 66  | GOM_NL__2PRFIN20110125_051627_000000443098_00421_46556_1926.N1 | 25-JAN-2011 05:16:27 | Dark           | 43.500 | 109 | Bet Lup   | 2.6770  | 26000. | 87  | 46556 | No |
| 67  | GOM_NL__2PRFIN20110125_051840_000000633098_00422_46557_1920.N1 | 25-JAN-2011 05:18:40 | Dark           | 63.000 | 54  | 5The Cen  | 2.0550  | 4500.0 | 126 | 46557 | No |
| 68  | GOM_NL__2PRFIN20110125_052102_000000413098_00422_46557_1921.N1 | 25-JAN-2011 05:21:02 | Dark           | 41.000 | 10  | Bet Cen   | 0.61000 | 28000. | 82  | 46557 | No |
| 69  | GOM_NL__2PRFIN20110125_052429_000000423098_00422_46557_1922.N1 | 25-JAN-2011 05:24:29 | Dark           | 42.000 | 12  | Alp1Cru   | 0.77500 | 30000. | 84  | 46557 | No |
| 70  | GOM_NL__2PRFIN20110125_053003_000000443098_00422_46557_1923.N1 | 25-JAN-2011 05:30:03 | Dark           | 44.000 | 113 | Mu Vel    | 2.6920  | 5000.0 | 88  | 46557 | No |
| 71  | GOM_NL__2PRFIN20110125_053131_000000403098_00422_46557_1924.N1 | 25-JAN-2011 05:31:31 | Dark           | 39.500 | 91  | Kap Vel   | 2.4900  | 26000. | 79  | 46557 | No |
| 72  | GOM_NL__2PRFIN20110125_053450_000000473098_00422_46557_1925.N1 | 25-JAN-2011 05:34:50 | Dark           | 47.000 | 65  | Lam Vel   | 2.2040  | 4400.0 | 94  | 46557 | No |
| 73  | GOM_NL__2PRFIN20110125_054135_000000453098_00422_46557_1926.N1 | 25-JAN-2011 05:41:35 | Straylight     | 44.500 | 132 | 15Rho Pup | 2.8030  | 6900.0 | 89  | 46557 | No |
| 74  | GOM_NL__2PRFIN20110125_055039_000000473098_00422_46557_1927.N1 | 25-JAN-2011 05:50:39 | Tw_i_and_stray | 47.000 | 8   | 10Alp CMi | 0.40000 | 6500.0 | 94  | 46557 | No |
| 75  | GOM_NL__2PRFIN20110125_055735_000000423098_00422_46557_1928.N1 | 25-JAN-2011 05:57:35 | Bright         | 42.000 | 17  | 78Bet Gem | 1.1610  | 4500.0 | 84  | 46557 | No |
| 76  | GOM_NL__2PRFIN20110125_061308_000000483098_00422_46557_1929.N1 | 25-JAN-2011 06:13:08 | Bright         | 48.000 | 36  | 50Alp UMa | 1.8000  | 6300.0 | 96  | 46557 | No |
| 77  | GOM_NL__2PRFIN20110125_061753_000000363098_00422_46557_1930.N1 | 25-JAN-2011 06:17:53 | Bright         | 36.000 | 60  | 7Bet UMi  | 2.0810  | 3950.0 | 72  | 46557 | No |
| 78  | GOM_NL__2PRFIN20110125_062227_000000573098_00422_46557_1931.N1 | 25-JAN-2011 06:22:27 | Bright         | 57.000 | 119 | 14Eta Dra | 2.7270  | 4700.0 | 114 | 46557 | No |
| 79  | GOM_NL__2PRFIN20110125_062522_000000543098_00422_46557_1932.N1 | 25-JAN-2011 06:25:22 | Bright         | 53.500 | 130 | 23Bet Dra | 2.7990  | 5800.0 | 107 | 46557 | No |
| 80  | GOM_NL__2PRFIN20110125_063148_000000393098_00422_46557_1933.N1 | 25-JAN-2011 06:31:48 | Bright         | 39.000 | 133 | 40Zet Her | 2.8070  | 6000.0 | 78  | 46557 | No |
| 81  | GOM_NL__2PRFIN20110125_063509_000000423098_00422_46557_1934.N1 | 25-JAN-2011 06:35:09 | Bright         | 41.500 | 127 | 27Bet Her | 2.7810  | 4700.0 | 83  | 46557 | No |
| 82  | GOM_NL__2PRFIN20110125_064129_000000613098_00422_46557_1935.N1 | 25-JAN-2011 06:41:29 | Tw_i_and_stray | 61.000 | 102 | 24Alp Ser | 2.6000  | 4250.0 | 122 | 46557 | No |
| 83  | GOM_NL__2PRFIN20110125_064435_000000433098_00422_46557_1936.N1 | 25-JAN-2011 06:44:35 | Tw_i_and_stray | 42.500 | 98  | 13Zet Oph | 2.5710  | 30000. | 85  | 46557 | No |
| 84  | GOM_NL__2PRFIN20110125_064905_000000573098_00422_46557_1937.N1 | 25-JAN-2011 06:49:05 | Dark           | 56.500 | 16  | 21Alp Sco | 1.0200  | 3000.0 | 113 | 46557 | No |
| 85  | GOM_NL__2PRFIN20110125_065440_000000423098_00422_46557_1938.N1 | 25-JAN-2011 06:54:40 | Dark           | 41.500 | 131 | Gam Lup   | 2.8000  | 26000. | 83  | 46557 | No |
| 86  | GOM_NL__2PRFIN20110125_065642_000000443098_00422_46557_1939.N1 | 25-JAN-2011 06:56:42 | Dark           | 43.500 | 109 | Bet Lup   | 2.6770  | 26000. | 87  | 46557 | No |
| 87  | GOM_NL__2PRFIN20110125_065856_000000603098_00423_46558_1930.N1 | 25-JAN-2011 06:58:56 | Dark           | 60.000 | 54  | 5The Cen  | 2.0550  | 4500.0 | 120 | 46558 | No |
| 88  | GOM_NL__2PRFIN20110125_070117_000000453098_00423_46558_1931.N1 | 25-JAN-2011 07:01:17 | Dark           | 45.000 | 10  | Bet Cen   | 0.61000 | 28000. | 90  | 46558 | No |
| 89  | GOM_NL__2PRFIN20110125_070443_000000473098_00423_46558_1932.N1 | 25-JAN-2011 07:04:43 | Dark           | 46.500 | 12  | Alp1Cru   | 0.77500 | 30000. | 93  | 46558 | No |
| 90  | GOM_NL__2PRFIN20110125_071017_000000463098_00423_46558_1933.N1 | 25-JAN-2011 07:10:17 | Dark           | 45.500 | 113 | Mu Vel    | 2.6920  | 5000.0 | 91  | 46558 | No |
| 91  | GOM_NL__2PRFIN20110125_071146_000000403098_00423_46558_1934.N1 | 25-JAN-2011 07:11:46 | Dark           | 40.000 | 91  | Kap Vel   | 2.4900  | 26000. | 80  | 46558 | No |
| 92  | GOM_NL__2PRFIN20110125_071505_000000483098_00423_46558_1935.N1 | 25-JAN-2011 07:15:05 | Dark           | 48.000 | 65  | Lam Vel   | 2.2040  | 4400.0 | 96  | 46558 | No |
| 93  | GOM_NL__2PRFIN20110125_072149_000000443098_00423_46558_1936.N1 | 25-JAN-2011 07:21:49 | Straylight     | 43.500 | 132 | 15Rho Pup | 2.8030  | 6900.0 | 87  | 46558 | No |
| 94  | GOM_NL__2PRFIN20110125_073053_000000503098_00423_46558_1937.N1 | 25-JAN-2011 07:30:53 | Tw_i_and_stray | 49.500 | 8   | 10Alp CMi | 0.40000 | 6500.0 | 99  | 46558 | No |
| 95  | GOM_NL__2PRFIN20110125_073749_000000443098_00423_46558_1938.N1 | 25-JAN-2011 07:37:49 | Bright         | 43.500 | 17  | 78Bet Gem | 1.1610  | 4500.0 | 87  | 46558 | No |
| 96  | GOM_NL__2PRFIN20110125_075321_000000493098_00423_46558_1939.N1 | 25-JAN-2011 07:53:21 | Bright         | 49.000 | 36  | 50Alp UMa | 1.8000  | 6300.0 | 98  | 46558 | No |
| 97  | GOM_NL__2PRFIN20110125_075807_000000373098_00423_46558_1940.N1 | 25-JAN-2011 07:58:07 | Bright         | 37.000 | 60  | 7Bet UMi  | 2.0810  | 3950.0 | 74  | 46558 | No |
| 98  | GOM_NL__2PRFIN20110125_080240_000000393098_00423_46558_1941.N1 | 25-JAN-2011 08:02:40 | Bright         | 39.000 | 119 | 14Eta Dra | 2.7270  | 4700.0 | 78  | 46558 | No |
| 99  | GOM_NL__2PRFIN20110125_080536_000000383098_00423_46558_1942.N1 | 25-JAN-2011 08:05:36 | Bright         | 38.000 | 130 | 23Bet Dra | 2.7990  | 5800.0 | 76  | 46558 | No |
| 100 | GOM_NL__2PRFIN20110125_081202_000000593098_00423_46558_1943.N1 | 25-JAN-2011 08:12:02 | Bright         | 59.000 | 133 | 40Zet Her | 2.8070  | 6000.0 | 118 | 46558 | No |
| 101 | GOM_NL__2PRFIN20110125_081524_000000613098_00423_46558_1944.N1 | 25-JAN-2011 08:15:24 | Bright         | 61.000 | 127 | 27Bet Her | 2.7810  | 4700.0 | 122 | 46558 | No |

|     |  |                      |               |        |     |           |         |        |     |       |    |
|-----|--|----------------------|---------------|--------|-----|-----------|---------|--------|-----|-------|----|
| 102 | GOM_NL__2PRFIN20110125_082144_000000613098_00423_46558_1945.N1 | 25-JAN-2011 08:21:44 | Twl_and_stray | 60.500 | 102 | 24Alp Ser | 2.6000  | 4250.0 | 121 | 46558 | No |
| 103 | GOM_NL__2PRFIN20110125_082450_000000453098_00423_46558_1946.N1 | 25-JAN-2011 08:24:50 | Twl_and_stray | 45.000 | 98  | 13Zet Oph | 2.5710  | 30000. | 90  | 46558 | No |
| 104 | GOM_NL__2PRFIN20110125_082920_000000573098_00423_46558_1947.N1 | 25-JAN-2011 08:29:20 | Dark          | 57.000 | 16  | 21Alp Sco | 1.0200  | 3000.0 | 114 | 46558 | No |
| 105 | GOM_NL__2PRFIN20110125_083454_000000423098_00423_46558_1948.N1 | 25-JAN-2011 08:34:54 | Dark          | 41.500 | 131 | Gam Lup   | 2.8000  | 26000. | 83  | 46558 | No |
| 106 | GOM_NL__2PRFIN20110125_083657_000000443098_00423_46558_1949.N1 | 25-JAN-2011 08:36:57 | Dark          | 44.000 | 109 | Bet Lup   | 2.6770  | 26000. | 88  | 46558 | No |
| 107 | GOM_NL__2PRFIN20110125_083825_000000433098_00424_46559_1957.N1 | 25-JAN-2011 08:38:25 | Dark          | 43.000 | 78  | Alp Lup   | 2.3040  | 28000. | 86  | 46559 | No |
| 108 | GOM_NL__2PRFIN20110125_084131_000000473098_00424_46559_1958.N1 | 25-JAN-2011 08:41:31 | Dark          | 46.500 | 10  | Bet Cen   | 0.61000 | 28000. | 93  | 46559 | No |
| 109 | GOM_NL__2PRFIN20110125_084458_000000493098_00424_46559_1959.N1 | 25-JAN-2011 08:44:58 | Dark          | 49.000 | 12  | Alp1Cru   | 0.77500 | 30000. | 98  | 46559 | No |
| 110 | GOM_NL__2PRFIN20110125_085032_000000533098_00424_46559_1960.N1 | 25-JAN-2011 08:50:32 | Dark          | 52.500 | 113 | Mu Vel    | 2.6920  | 5000.0 | 105 | 46559 | No |
| 111 | GOM_NL__2PRFIN20110125_085200_000000413098_00424_46559_1961.N1 | 25-JAN-2011 08:52:00 | Dark          | 41.000 | 91  | Kap Vel   | 2.4900  | 26000. | 82  | 46559 | No |
| 112 | GOM_NL__2PRFIN20110125_085519_000000483098_00424_46559_1962.N1 | 25-JAN-2011 08:55:19 | Dark          | 47.500 | 65  | Lam Vel   | 2.2040  | 4400.0 | 95  | 46559 | No |
| 113 | GOM_NL__2PRFIN20110125_090204_000000433098_00424_46559_1963.N1 | 25-JAN-2011 09:02:04 | Straylight    | 42.500 | 132 | 15Rho Pup | 2.8030  | 6900.0 | 85  | 46559 | No |
| 114 | GOM_NL__2PRFIN20110125_091107_000000513098_00424_46559_1964.N1 | 25-JAN-2011 09:11:07 | Twl_and_stray | 50.500 | 8   | 10Alp CMi | 0.40000 | 6500.0 | 101 | 46559 | No |
| 115 | GOM_NL__2PRFIN20110125_091802_000000443098_00424_46559_1965.N1 | 25-JAN-2011 09:18:02 | Bright        | 44.000 | 17  | 78Bet Gem | 1.1610  | 4500.0 | 88  | 46559 | No |
| 116 | GOM_NL__2PRFIN20110125_093335_000000493098_00424_46559_1966.N1 | 25-JAN-2011 09:33:35 | Bright        | 48.500 | 36  | 50Alp UMa | 1.8000  | 6300.0 | 97  | 46559 | No |
| 117 | GOM_NL__2PRFIN20110125_093820_000000413098_00424_46559_1967.N1 | 25-JAN-2011 09:38:20 | Bright        | 41.000 | 60  | 7Bet UMi  | 2.0810  | 3950.0 | 82  | 46559 | No |
| 118 | GOM_NL__2PRFIN20110125_094254_000000403098_00424_46559_1968.N1 | 25-JAN-2011 09:42:54 | Bright        | 39.500 | 119 | 14Eta Dra | 2.7270  | 4700.0 | 79  | 46559 | No |
| 119 | GOM_NL__2PRFIN20110125_094550_000000383098_00424_46559_1969.N1 | 25-JAN-2011 09:45:50 | Bright        | 38.000 | 130 | 23Bet Dra | 2.7990  | 5800.0 | 76  | 46559 | No |
| 120 | GOM_NL__2PRFIN20110125_095217_000000593098_00424_46559_1970.N1 | 25-JAN-2011 09:52:17 | Bright        | 59.000 | 133 | 40Zet Her | 2.8070  | 6000.0 | 118 | 46559 | No |
| 121 | GOM_NL__2PRFIN20110125_095538_000000413098_00424_46559_1971.N1 | 25-JAN-2011 09:55:38 | Bright        | 41.000 | 127 | 27Bet Her | 2.7810  | 4700.0 | 82  | 46559 | No |
| 122 | GOM_NL__2PRFIN20110125_100158_000000623098_00424_46559_1972.N1 | 25-JAN-2011 10:01:58 | Twl_and_stray | 61.500 | 102 | 24Alp Ser | 2.6000  | 4250.0 | 123 | 46559 | No |
| 123 | GOM_NL__2PRFIN20110125_100504_000000463098_00424_46559_1973.N1 | 25-JAN-2011 10:05:04 | Twl_and_stray | 46.000 | 98  | 13Zet Oph | 2.5710  | 30000. | 92  | 46559 | No |
| 124 | GOM_NL__2PRFIN20110125_100934_000000573098_00424_46559_1974.N1 | 25-JAN-2011 10:09:34 | Dark          | 57.000 | 16  | 21Alp Sco | 1.0200  | 3000.0 | 114 | 46559 | No |
| 125 | GOM_NL__2PRFIN20110125_101509_000000423098_00424_46559_1975.N1 | 25-JAN-2011 10:15:09 | Dark          | 42.000 | 131 | Gam Lup   | 2.8000  | 26000. | 84  | 46559 | No |
| 126 | GOM_NL__2PRFIN20110125_101712_000000443098_00424_46559_1976.N1 | 25-JAN-2011 10:17:12 | Dark          | 44.000 | 109 | Bet Lup   | 2.6770  | 26000. | 88  | 46559 | No |
| 127 | GOM_NL__2PRFIN20110125_101840_000000433098_00425_46560_1986.N1 | 25-JAN-2011 10:18:40 | Dark          | 43.000 | 78  | Alp Lup   | 2.3040  | 28000. | 86  | 46560 | No |
| 128 | GOM_NL__2PRFIN20110125_102146_000000413098_00425_46560_1987.N1 | 25-JAN-2011 10:21:46 | Dark          | 41.000 | 10  | Bet Cen   | 0.61000 | 28000. | 82  | 46560 | No |
| 129 | GOM_NL__2PRFIN20110125_102513_000000423098_00425_46560_1988.N1 | 25-JAN-2011 10:25:13 | Dark          | 41.500 | 12  | Alp1Cru   | 0.77500 | 30000. | 83  | 46560 | No |
| 130 | GOM_NL__2PRFIN20110125_103047_000000563098_00425_46560_1989.N1 | 25-JAN-2011 10:30:47 | Dark          | 55.500 | 113 | Mu Vel    | 2.6920  | 5000.0 | 111 | 46560 | No |
| 131 | GOM_NL__2PRFIN20110125_103215_000000403098_00425_46560_1990.N1 | 25-JAN-2011 10:32:15 | Dark          | 39.500 | 91  | Kap Vel   | 2.4900  | 26000. | 79  | 46560 | No |
| 132 | GOM_NL__2PRFIN20110125_103534_000000563098_00425_46560_1991.N1 | 25-JAN-2011 10:35:34 | Dark          | 55.500 | 65  | Lam Vel   | 2.2040  | 4400.0 | 111 | 46560 | No |
| 133 | GOM_NL__2PRFIN20110125_104218_000000443098_00425_46560_1992.N1 | 25-JAN-2011 10:42:18 | Straylight    | 43.500 | 132 | 15Rho Pup | 2.8030  | 6900.0 | 87  | 46560 | No |
| 134 | GOM_NL__2PRFIN20110125_105121_000000533098_00425_46560_1993.N1 | 25-JAN-2011 10:51:21 | Twl_and_stray | 52.500 | 8   | 10Alp CMi | 0.40000 | 6500.0 | 105 | 46560 | No |
| 135 | GOM_NL__2PRFIN20110125_105816_000000433098_00425_46560_1994.N1 | 25-JAN-2011 10:58:16 | Bright        | 43.000 | 17  | 78Bet Gem | 1.1610  | 4500.0 | 86  | 46560 | No |
| 136 | GOM_NL__2PRFIN20110125_111348_000000483098_00425_46560_1995.N1 | 25-JAN-2011 11:13:48 | Bright        | 47.500 | 36  | 50Alp UMa | 1.8000  | 6300.0 | 95  | 46560 | No |
| 137 | GOM_NL__2PRFIN20110125_111834_000000403098_00425_46560_1996.N1 | 25-JAN-2011 11:18:34 | Bright        | 39.500 | 60  | 7Bet UMi  | 2.0810  | 3950.0 | 79  | 46560 | No |
| 138 | GOM_NL__2PRFIN20110125_112308_000000413098_00425_46560_1997.N1 | 25-JAN-2011 11:23:08 | Bright        | 40.500 | 119 | 14Eta Dra | 2.7270  | 4700.0 | 81  | 46560 | No |
| 139 | GOM_NL__2PRFIN20110125_112604_000000473098_00425_46560_1998.N1 | 25-JAN-2011 11:26:04 | Bright        | 46.500 | 130 | 23Bet Dra | 2.7990  | 5800.0 | 93  | 46560 | No |
| 140 | GOM_NL__2PRFIN20110125_113231_000000403098_00425_46560_1999.N1 | 25-JAN-2011 11:32:31 | Bright        | 40.000 | 133 | 40Zet Her | 2.8070  | 6000.0 | 80  | 46560 | No |
| 141 | GOM_NL__2PRFIN20110125_113552_000000613098_00425_46560_2000.N1 | 25-JAN-2011 11:35:52 | Bright        | 61.000 | 127 | 27Bet Her | 2.7810  | 4700.0 | 122 | 46560 | No |
| 142 | GOM_NL__2PRFIN20110125_114213_000000573098_00425_46560_2001.N1 | 25-JAN-2011 11:42:13 | Twl_and_stray | 57.000 | 102 | 24Alp Ser | 2.6000  | 4250.0 | 114 | 46560 | No |
| 143 | GOM_NL__2PRFIN20110125_114519_000000423098_00425_46560_2002.N1 | 25-JAN-2011 11:45:19 | Twl_and_stray | 41.500 | 98  | 13Zet Oph | 2.5710  | 30000. | 83  | 46560 | No |
| 144 | GOM_NL__2PRFIN20110125_114949_000000483098_00425_46560_2003.N1 | 25-JAN-2011 11:49:49 | Dark          | 47.500 | 16  | 21Alp Sco | 1.0200  | 3000.0 | 95  | 46560 | No |
| 145 | GOM_NL__2PRFIN20110125_115524_000000423098_00425_46560_2004.N1 | 25-JAN-2011 11:55:24 | Dark          | 41.500 | 131 | Gam Lup   | 2.8000  | 26000. | 83  | 46560 | No |
| 146 | GOM_NL__2PRFIN20110125_115726_000000463098_00425_46560_2005.N1 | 25-JAN-2011 11:57:26 | Dark          | 45.500 | 109 | Bet Lup   | 2.6770  | 26000. | 91  | 46560 | No |
| 147 | GOM_NL__2PRFIN20110125_115855_000000443098_00426_46561_2021.N1 | 25-JAN-2011 11:58:55 | Dark          | 43.500 | 78  | Alp Lup   | 2.3040  | 28000. | 87  | 46561 | No |
| 148 | GOM_NL__2PRFIN20110125_120201_000000433098_00426_46561_2022.N1 | 25-JAN-2011 12:02:01 | Dark          | 43.000 | 10  | Bet Cen   | 0.61000 | 28000. | 86  | 46561 | No |
| 149 | GOM_NL__2PRFIN20110125_120527_000000473098_00426_46561_2023.N1 | 25-JAN-2011 12:05:27 | Dark          | 47.000 | 12  | Alp1Cru   | 0.77500 | 30000. | 94  | 46561 | No |
| 150 | GOM_NL__2PRFIN20110125_121101_000000463098_00426_46561_2024.N1 | 25-JAN-2011 12:11:01 | Dark          | 45.500 | 113 | Mu Vel    | 2.6920  | 5000.0 | 91  | 46561 | No |
| 151 | GOM_NL__2PRFIN20110125_121229_000000403098_00426_46561_2025.N1 | 25-JAN-2011 12:12:29 | Dark          | 39.500 | 91  | Kap Vel   | 2.4900  | 26000. | 79  | 46561 | No |
| 152 | GOM_NL__2PRFIN20110125_121548_000000483098_00426_46561_2026.N1 | 25-JAN-2011 12:15:48 | Dark          | 48.000 | 65  | Lam Vel   | 2.2040  | 4400.0 | 96  | 46561 | No |
| 153 | GOM_NL__2PRFIN20110125_122232_000000423098_00426_46561_2027.N1 | 25-JAN-2011 12:22:32 | Straylight    | 41.500 | 132 | 15Rho Pup | 2.8030  | 6900.0 | 83  | 46561 | No |
| 154 | GOM_NL__2PRFIN20110125_123134_000000523098_00426_46561_2028.N1 | 25-JAN-2011 12:31:34 | Twl_and_stray | 52.000 | 8   | 10Alp CMi | 0.40000 | 6500.0 | 104 | 46561 | No |
| 155 | GOM_NL__2PRFIN20110125_123830_000000433098_00426_46561_2029.N1 | 25-JAN-2011 12:38:30 | Bright        | 43.000 | 17  | 78Bet Gem | 1.1610  | 4500.0 | 86  | 46561 | No |
| 156 | GOM_NL__2PRFIN20110125_125401_000000463098_00426_46561_2030.N1 | 25-JAN-2011 12:54:01 | Bright        | 46.000 | 36  | 50Alp UMa | 1.8000  | 6300.0 | 92  | 46561 | No |
| 157 | GOM_NL__2PRFIN20110125_125848_000000383098_00426_46561_2031.N1 | 25-JAN-2011 12:58:48 | Bright        | 37.500 | 60  | 7Bet UMi  | 2.0810  | 3950.0 | 75  | 46561 | No |
| 158 | GOM_NL__2PRFIN20110125_130322_000000403098_00426_46561_2032.N1 | 25-JAN-2011 13:03:22 | Bright        | 39.500 | 119 | 14Eta Dra | 2.7270  | 4700.0 | 79  | 46561 | No |
| 159 | GOM_NL__2PRFIN20110125_130618_000000353098_00426_46561_2033.N1 | 25-JAN-2011 13:06:18 | Bright        | 34.500 | 130 | 23Bet Dra | 2.7990  | 5800.0 | 69  | 46561 | No |
| 160 | GOM_NL__2PRFIN20110125_131245_000000593098_00426_46561_2034.N1 | 25-JAN-2011 13:12:45 | Bright        | 59.000 | 133 | 40Zet Her | 2.8070  | 6000.0 | 118 | 46561 | No |

|     |  |                      |               |        |     |           |         |        |     |       |    |
|-----|--|----------------------|---------------|--------|-----|-----------|---------|--------|-----|-------|----|
| 161 | GOM_NL__2PRFIN20110125_131606_000000613098_00426_46561_2035.N1 | 25-JAN-2011 13:16:06 | Bright        | 61.000 | 127 | 27Bet Her | 2.7810  | 4700.0 | 122 | 46561 | No |
| 162 | GOM_NL__2PRFIN20110125_132228_000000613098_00426_46561_2036.N1 | 25-JAN-2011 13:22:28 | Twl_and_stray | 61.000 | 102 | 24Alp Ser | 2.6000  | 4250.0 | 122 | 46561 | No |
| 163 | GOM_NL__2PRFIN20110125_132533_000000443098_00426_46561_2037.N1 | 25-JAN-2011 13:25:33 | Twl_and_stray | 43.500 | 98  | 13Zet Oph | 2.5710  | 30000. | 87  | 46561 | No |
| 164 | GOM_NL__2PRFIN20110125_133003_000000493098_00426_46561_2038.N1 | 25-JAN-2011 13:30:03 | Dark          | 49.000 | 16  | 21Alp Sco | 1.0200  | 3000.0 | 98  | 46561 | No |
| 165 | GOM_NL__2PRFIN20110125_133539_000000413098_00426_46561_2039.N1 | 25-JAN-2011 13:35:39 | Dark          | 40.500 | 131 | Gam Lup   | 2.8000  | 26000. | 81  | 46561 | No |
| 166 | GOM_NL__2PRFIN20110125_133741_000000453098_00426_46561_2040.N1 | 25-JAN-2011 13:37:41 | Dark          | 45.000 | 109 | Bet Lup   | 2.6770  | 26000. | 90  | 46561 | No |
| 167 | GOM_NL__2PRFIN20110125_133909_000000433098_00427_46562_2090.N1 | 25-JAN-2011 13:39:09 | Dark          | 43.000 | 78  | Alp Lup   | 2.3040  | 28000. | 86  | 46562 | No |
| 168 | GOM_NL__2PRFIN20110125_134215_000000423098_00427_46562_2091.N1 | 25-JAN-2011 13:42:15 | Dark          | 42.000 | 10  | Bet Cen   | 0.61000 | 28000. | 84  | 46562 | No |
| 169 | GOM_NL__2PRFIN20110125_134542_000000443098_00427_46562_2092.N1 | 25-JAN-2011 13:45:42 | Dark          | 43.500 | 12  | Alp1Cru   | 0.77500 | 30000. | 87  | 46562 | No |
| 170 | GOM_NL__2PRFIN20110125_135243_000000413098_00427_46562_2093.N1 | 25-JAN-2011 13:52:43 | Dark          | 40.500 | 91  | Kap Vel   | 2.4900  | 26000. | 81  | 46562 | No |
| 171 | GOM_NL__2PRFIN20110125_135603_000000483098_00427_46562_2094.N1 | 25-JAN-2011 13:56:03 | Dark          | 48.000 | 65  | Lam Vel   | 2.2040  | 4400.0 | 96  | 46562 | No |
| 172 | GOM_NL__2PRFIN20110125_140246_000000453098_00427_46562_2095.N1 | 25-JAN-2011 14:02:46 | Straylight    | 45.000 | 132 | 15Rho Pup | 2.8030  | 6900.0 | 90  | 46562 | No |
| 173 | GOM_NL__2PRFIN20110125_141148_000000523098_00427_46562_2096.N1 | 25-JAN-2011 14:11:48 | Twl_and_stray | 52.000 | 8   | 10Alp CMi | 0.40000 | 6500.0 | 104 | 46562 | No |
| 174 | GOM_NL__2PRFIN20110125_141844_000000443098_00427_46562_2097.N1 | 25-JAN-2011 14:18:44 | Bright        | 43.500 | 17  | 78Bet Gem | 1.1610  | 4500.0 | 87  | 46562 | No |
| 175 | GOM_NL__2PRFIN20110125_143415_000000483098_00427_46562_2098.N1 | 25-JAN-2011 14:34:15 | Bright        | 47.500 | 36  | 50Alp UMa | 1.8000  | 6300.0 | 95  | 46562 | No |
| 176 | GOM_NL__2PRFIN20110125_143902_000000393098_00427_46562_2099.N1 | 25-JAN-2011 14:39:02 | Bright        | 38.500 | 60  | 7Bet UMi  | 2.0810  | 3950.0 | 77  | 46562 | No |
| 177 | GOM_NL__2PRFIN20110125_144336_000000403098_00427_46562_2100.N1 | 25-JAN-2011 14:43:36 | Bright        | 39.500 | 119 | 14Eta Dra | 2.7270  | 4700.0 | 79  | 46562 | No |
| 178 | GOM_NL__2PRFIN20110125_144632_000000543098_00427_46562_2101.N1 | 25-JAN-2011 14:46:32 | Bright        | 54.000 | 130 | 23Bet Dra | 2.7990  | 5800.0 | 108 | 46562 | No |
| 179 | GOM_NL__2PRFIN20110125_145259_000000593098_00427_46562_2102.N1 | 25-JAN-2011 14:52:59 | Bright        | 59.000 | 133 | 40Zet Her | 2.8070  | 6000.0 | 118 | 46562 | No |
| 180 | GOM_NL__2PRFIN20110125_145621_000000613098_00427_46562_2103.N1 | 25-JAN-2011 14:56:21 | Bright        | 61.000 | 127 | 27Bet Her | 2.7810  | 4700.0 | 122 | 46562 | No |
| 181 | GOM_NL__2PRFIN20110125_150242_000000613098_00427_46562_2104.N1 | 25-JAN-2011 15:02:42 | Twl_and_stray | 60.500 | 102 | 24Alp Ser | 2.6000  | 4250.0 | 121 | 46562 | No |
| 182 | GOM_NL__2PRFIN20110125_150548_000000453098_00427_46562_2105.N1 | 25-JAN-2011 15:05:48 | Twl_and_stray | 45.000 | 98  | 13Zet Oph | 2.5710  | 30000. | 90  | 46562 | No |
| 183 | GOM_NL__2PRFIN20110125_151018_000000513098_00427_46562_2106.N1 | 25-JAN-2011 15:10:18 | Dark          | 51.000 | 16  | 21Alp Sco | 1.0200  | 3000.0 | 102 | 46562 | No |
| 184 | GOM_NL__2PRFIN20110125_151553_000000413098_00427_46562_2107.N1 | 25-JAN-2011 15:15:53 | Dark          | 40.500 | 131 | Gam Lup   | 2.8000  | 26000. | 81  | 46562 | No |
| 185 | GOM_NL__2PRFIN20110125_151756_000000443098_00427_46562_2108.N1 | 25-JAN-2011 15:17:56 | Dark          | 44.000 | 109 | Bet Lup   | 2.6770  | 26000. | 88  | 46562 | No |
| 186 | GOM_NL__2PRFIN20110125_151924_000000443098_00428_46563_2103.N1 | 25-JAN-2011 15:19:24 | Dark          | 43.500 | 78  | Alp Lup   | 2.3040  | 28000. | 87  | 46563 | No |
| 187 | GOM_NL__2PRFIN20110125_152230_000000433098_00428_46563_2104.N1 | 25-JAN-2011 15:22:30 | Dark          | 43.000 | 10  | Bet Cen   | 0.61000 | 28000. | 86  | 46563 | No |
| 188 | GOM_NL__2PRFIN20110125_152556_000000443098_00428_46563_2105.N1 | 25-JAN-2011 15:25:56 | Dark          | 44.000 | 12  | Alp1Cru   | 0.77500 | 30000. | 88  | 46563 | No |
| 189 | GOM_NL__2PRFIN20110125_153258_000000393098_00428_46563_2106.N1 | 25-JAN-2011 15:32:58 | Dark          | 38.500 | 91  | Kap Vel   | 2.4900  | 26000. | 77  | 46563 | No |
| 190 | GOM_NL__2PRFIN20110125_153617_000000483098_00428_46563_2107.N1 | 25-JAN-2011 15:36:17 | Dark          | 47.500 | 65  | Lam Vel   | 2.2040  | 4400.0 | 95  | 46563 | No |
| 191 | GOM_NL__2PRFIN20110125_154300_000000393098_00428_46563_2108.N1 | 25-JAN-2011 15:43:00 | Straylight    | 38.500 | 132 | 15Rho Pup | 2.8030  | 6900.0 | 77  | 46563 | No |
| 192 | GOM_NL__2PRFIN20110125_155202_000000563098_00428_46563_2109.N1 | 25-JAN-2011 15:52:02 | Twl_and_stray | 56.000 | 8   | 10Alp CMi | 0.40000 | 6500.0 | 112 | 46563 | No |
| 193 | GOM_NL__2PRFIN20110125_155857_000000433098_00428_46563_2110.N1 | 25-JAN-2011 15:58:57 | Bright        | 43.000 | 17  | 78Bet Gem | 1.1610  | 4500.0 | 86  | 46563 | No |
| 194 | GOM_NL__2PRFIN20110125_161428_000000493098_00428_46563_2111.N1 | 25-JAN-2011 16:14:28 | Bright        | 48.500 | 36  | 50Alp UMa | 1.8000  | 6300.0 | 97  | 46563 | No |
| 195 | GOM_NL__2PRFIN20110125_161916_000000403098_00428_46563_2112.N1 | 25-JAN-2011 16:19:16 | Bright        | 40.000 | 60  | 7Bet UMi  | 2.0810  | 3950.0 | 80  | 46563 | No |
| 196 | GOM_NL__2PRFIN20110125_162350_000000403098_00428_46563_2113.N1 | 25-JAN-2011 16:23:50 | Bright        | 40.000 | 119 | 14Eta Dra | 2.7270  | 4700.0 | 80  | 46563 | No |
| 197 | GOM_NL__2PRFIN20110125_162646_000000543098_00428_46563_2114.N1 | 25-JAN-2011 16:26:46 | Bright        | 54.000 | 130 | 23Bet Dra | 2.7990  | 5800.0 | 108 | 46563 | No |
| 198 | GOM_NL__2PRFIN20110125_163313_000000593098_00428_46563_2115.N1 | 25-JAN-2011 16:33:13 | Bright        | 59.000 | 133 | 40Zet Her | 2.8070  | 6000.0 | 118 | 46563 | No |
| 199 | GOM_NL__2PRFIN20110125_163635_000000613098_00428_46563_2116.N1 | 25-JAN-2011 16:36:35 | Bright        | 61.000 | 127 | 27Bet Her | 2.7810  | 4700.0 | 122 | 46563 | No |
| 200 | GOM_NL__2PRFIN20110125_164257_000000623098_00428_46563_2117.N1 | 25-JAN-2011 16:42:57 | Twl_and_stray | 62.000 | 102 | 24Alp Ser | 2.6000  | 4250.0 | 124 | 46563 | No |
| 201 | GOM_NL__2PRFIN20110125_164602_000000463098_00428_46563_2118.N1 | 25-JAN-2011 16:46:02 | Twl_and_stray | 45.500 | 98  | 13Zet Oph | 2.5710  | 30000. | 91  | 46563 | No |
| 202 | GOM_NL__2PRFIN20110125_165033_000000573098_00428_46563_2119.N1 | 25-JAN-2011 16:50:33 | Dark          | 57.000 | 16  | 21Alp Sco | 1.0200  | 3000.0 | 114 | 46563 | No |
| 203 | GOM_NL__2PRFIN20110125_165608_000000423098_00428_46563_2120.N1 | 25-JAN-2011 16:56:08 | Dark          | 41.500 | 131 | Gam Lup   | 2.8000  | 26000. | 83  | 46563 | No |
| 204 | GOM_NL__2PRFIN20110125_165811_000000433098_00428_46563_2121.N1 | 25-JAN-2011 16:58:11 | Dark          | 42.500 | 109 | Bet Lup   | 2.6770  | 26000. | 85  | 46563 | No |
| 205 | GOM_NL__2PRFIN20110125_165939_000000433098_00429_46564_2132.N1 | 25-JAN-2011 16:59:39 | Dark          | 42.500 | 78  | Alp Lup   | 2.3040  | 28000. | 85  | 46564 | No |
| 206 | GOM_NL__2PRFIN20110125_170244_000000433098_00429_46564_2133.N1 | 25-JAN-2011 17:02:44 | Dark          | 43.000 | 10  | Bet Cen   | 0.61000 | 28000. | 86  | 46564 | No |
| 207 | GOM_NL__2PRFIN20110125_170611_000000443098_00429_46564_2134.N1 | 25-JAN-2011 17:06:11 | Dark          | 43.500 | 12  | Alp1Cru   | 0.77500 | 30000. | 87  | 46564 | No |
| 208 | GOM_NL__2PRFIN20110125_171312_000000403098_00429_46564_2135.N1 | 25-JAN-2011 17:13:12 | Dark          | 39.500 | 91  | Kap Vel   | 2.4900  | 26000. | 79  | 46564 | No |
| 209 | GOM_NL__2PRFIN20110125_171631_000000503098_00429_46564_2136.N1 | 25-JAN-2011 17:16:31 | Dark          | 49.500 | 65  | Lam Vel   | 2.2040  | 4400.0 | 99  | 46564 | No |
| 210 | GOM_NL__2PRFIN20110125_172314_000000393098_00429_46564_2137.N1 | 25-JAN-2011 17:23:14 | Straylight    | 38.500 | 132 | 15Rho Pup | 2.8030  | 6900.0 | 77  | 46564 | No |
| 211 | GOM_NL__2PRFIN20110125_173216_000000543098_00429_46564_2138.N1 | 25-JAN-2011 17:32:16 | Twl_and_stray | 54.000 | 8   | 10Alp CMi | 0.40000 | 6500.0 | 108 | 46564 | No |
| 212 | GOM_NL__2PRFIN20110125_173911_000000443098_00429_46564_2139.N1 | 25-JAN-2011 17:39:11 | Bright        | 44.000 | 17  | 78Bet Gem | 1.1610  | 4500.0 | 88  | 46564 | No |
| 213 | GOM_NL__2PRFIN20110125_175441_000000483098_00429_46564_2140.N1 | 25-JAN-2011 17:54:41 | Bright        | 48.000 | 36  | 50Alp UMa | 1.8000  | 6300.0 | 96  | 46564 | No |
| 214 | GOM_NL__2PRFIN20110125_175929_000000413098_00429_46564_2141.N1 | 25-JAN-2011 17:59:29 | Bright        | 40.500 | 60  | 7Bet UMi  | 2.0810  | 3950.0 | 81  | 46564 | No |
| 215 | GOM_NL__2PRFIN20110125_180404_000000403098_00429_46564_2142.N1 | 25-JAN-2011 18:04:04 | Bright        | 40.000 | 119 | 14Eta Dra | 2.7270  | 4700.0 | 80  | 46564 | No |
| 216 | GOM_NL__2PRFIN20110125_180700_000000543098_00429_46564_2143.N1 | 25-JAN-2011 18:07:00 | Bright        | 54.000 | 130 | 23Bet Dra | 2.7990  | 5800.0 | 108 | 46564 | No |
| 217 | GOM_NL__2PRFIN20110125_181327_000000593098_00429_46564_2144.N1 | 25-JAN-2011 18:13:27 | Bright        | 59.000 | 133 | 40Zet Her | 2.8070  | 6000.0 | 118 | 46564 | No |
| 218 | GOM_NL__2PRFIN20110125_181649_000000613098_00429_46564_2145.N1 | 25-JAN-2011 18:16:49 | Bright        | 61.000 | 127 | 27Bet Her | 2.7810  | 4700.0 | 122 | 46564 | No |
| 219 | GOM_NL__2PRFIN20110125_182312_000000613098_00429_46564_2146.N1 | 25-JAN-2011 18:23:12 | Twl_and_stray | 60.500 | 102 | 24Alp Ser | 2.6000  | 4250.0 | 121 | 46564 | No |

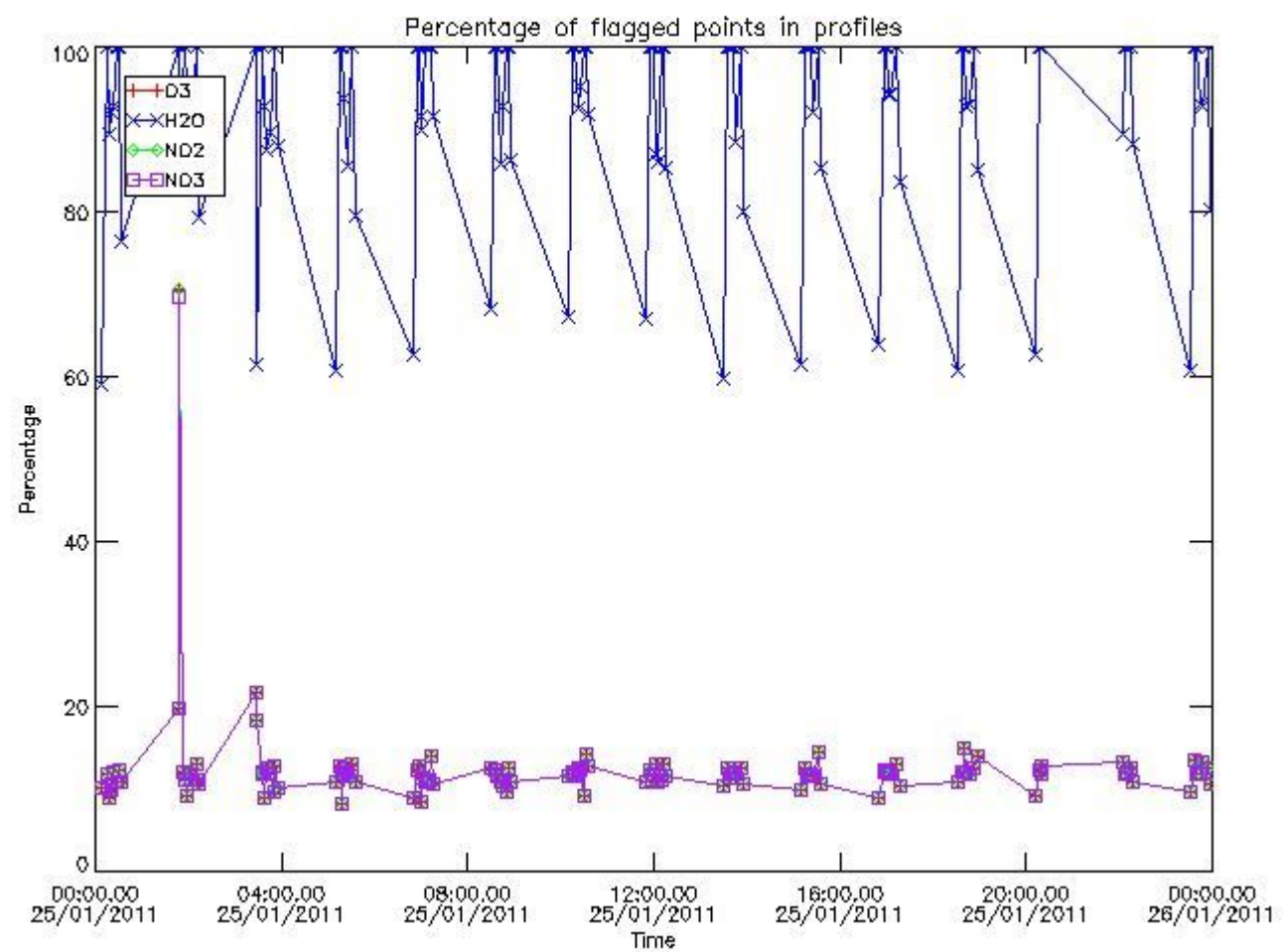


|     |  |                      |            |        |     |           |         |        |     |       |    |
|-----|--|----------------------|------------|--------|-----|-----------|---------|--------|-----|-------|----|
| 220 | GOM_NL__2PRFIN20110125_182617_000000463098_00429_46564_2147.N1 | 25-JAN-2011 18:26:17 | Twilight   | 46.000 | 98  | 13Zet Oph | 2.5710  | 30000. | 92  | 46564 | No |
| 221 | GOM_NL__2PRFIN20110125_183047_000000483098_00429_46564_2148.N1 | 25-JAN-2011 18:30:47 | Dark       | 47.500 | 16  | 21Alp Sco | 1.0200  | 3000.0 | 95  | 46564 | No |
| 222 | GOM_NL__2PRFIN20110125_183623_000000423098_00429_46564_2149.N1 | 25-JAN-2011 18:36:23 | Dark       | 42.000 | 131 | Gam Lup   | 2.8000  | 26000. | 84  | 46564 | No |
| 223 | GOM_NL__2PRFIN20110125_183826_000000423098_00429_46564_2150.N1 | 25-JAN-2011 18:38:26 | Dark       | 42.000 | 109 | Bet Lup   | 2.6770  | 26000. | 84  | 46564 | No |
| 224 | GOM_NL__2PRFIN20110125_183954_000000453098_00430_46565_2156.N1 | 25-JAN-2011 18:39:54 | Dark       | 44.500 | 78  | Alp Lup   | 2.3040  | 28000. | 89  | 46565 | No |
| 225 | GOM_NL__2PRFIN20110125_184259_000000433098_00430_46565_2157.N1 | 25-JAN-2011 18:42:59 | Dark       | 42.500 | 10  | Bet Cen   | 0.61000 | 28000. | 85  | 46565 | No |
| 226 | GOM_NL__2PRFIN20110125_184625_000000443098_00430_46565_2158.N1 | 25-JAN-2011 18:46:25 | Dark       | 43.500 | 12  | Alp1Cru   | 0.77500 | 30000. | 87  | 46565 | No |
| 227 | GOM_NL__2PRFIN20110125_185327_000000413098_00430_46565_2159.N1 | 25-JAN-2011 18:53:27 | Dark       | 40.500 | 91  | Kap Vel   | 2.4900  | 26000. | 81  | 46565 | No |
| 228 | GOM_NL__2PRFIN20110125_185646_000000513098_00430_46565_2160.N1 | 25-JAN-2011 18:56:46 | Dark       | 50.500 | 65  | Lam Vel   | 2.2040  | 4400.0 | 101 | 46565 | No |
| 229 | GOM_NL__2PRFIN20110125_190329_000000443098_00430_46565_2161.N1 | 25-JAN-2011 19:03:29 | Straylight | 43.500 | 132 | 15Rho Pup | 2.8030  | 6900.0 | 87  | 46565 | No |
| 230 | GOM_NL__2PRFIN20110125_191230_000000563098_00430_46565_2162.N1 | 25-JAN-2011 19:12:30 | Twilight   | 55.500 | 8   | 10Alp CMi | 0.40000 | 6500.0 | 111 | 46565 | No |
| 231 | GOM_NL__2PRFIN20110125_191925_000000443098_00430_46565_2163.N1 | 25-JAN-2011 19:19:25 | Bright     | 43.500 | 17  | 78Bet Gem | 1.1610  | 4500.0 | 87  | 46565 | No |
| 232 | GOM_NL__2PRFIN20110125_193455_000000473098_00430_46565_2164.N1 | 25-JAN-2011 19:34:55 | Bright     | 47.000 | 36  | 50Alp UMa | 1.8000  | 6300.0 | 94  | 46565 | No |
| 233 | GOM_NL__2PRFIN20110125_193943_000000413098_00430_46565_2165.N1 | 25-JAN-2011 19:39:43 | Bright     | 41.000 | 60  | 7Bet UMi  | 2.0810  | 3950.0 | 82  | 46565 | No |
| 234 | GOM_NL__2PRFIN20110125_194418_000000413098_00430_46565_2166.N1 | 25-JAN-2011 19:44:18 | Bright     | 40.500 | 119 | 14Eta Dra | 2.7270  | 4700.0 | 81  | 46565 | No |
| 235 | GOM_NL__2PRFIN20110125_194715_000000433098_00430_46565_2167.N1 | 25-JAN-2011 19:47:15 | Bright     | 42.500 | 130 | 23Bet Dra | 2.7990  | 5800.0 | 85  | 46565 | No |
| 236 | GOM_NL__2PRFIN20110125_195342_000000593098_00430_46565_2168.N1 | 25-JAN-2011 19:53:42 | Bright     | 59.000 | 133 | 40Zet Her | 2.8070  | 6000.0 | 118 | 46565 | No |
| 237 | GOM_NL__2PRFIN20110125_195704_000000613098_00430_46565_2169.N1 | 25-JAN-2011 19:57:04 | Bright     | 61.000 | 127 | 27Bet Her | 2.7810  | 4700.0 | 122 | 46565 | No |
| 238 | GOM_NL__2PRFIN20110125_200327_000000573098_00430_46565_2170.N1 | 25-JAN-2011 20:03:27 | Twilight   | 57.000 | 102 | 24Alp Ser | 2.6000  | 4250.0 | 114 | 46565 | No |
| 239 | GOM_NL__2PRFIN20110125_200632_000000443098_00430_46565_2171.N1 | 25-JAN-2011 20:06:32 | Twilight   | 44.000 | 98  | 13Zet Oph | 2.5710  | 30000. | 88  | 46565 | No |
| 240 | GOM_NL__2PRFIN20110125_201102_000000563098_00430_46565_2172.N1 | 25-JAN-2011 20:11:02 | Dark       | 55.500 | 16  | 21Alp Sco | 1.0200  | 3000.0 | 111 | 46565 | No |
| 241 | GOM_NL__2PRFIN20110125_201638_000000423098_00430_46565_2173.N1 | 25-JAN-2011 20:16:38 | Dark       | 41.500 | 131 | Gam Lup   | 2.8000  | 26000. | 83  | 46565 | No |
| 242 | GOM_NL__2PRFIN20110125_201841_000000443098_00430_46565_2174.N1 | 25-JAN-2011 20:18:41 | Dark       | 43.500 | 109 | Bet Lup   | 2.6770  | 26000. | 87  | 46565 | No |
| 243 | GOM_NL__2PRFIN20110125_202009_000000433098_00431_46566_2185.N1 | 25-JAN-2011 20:20:09 | Dark       | 43.000 | 78  | Alp Lup   | 2.3040  | 28000. | 86  | 46566 | No |
| 244 | GOM_NL__2PRFIN20110125_220328_000000433099_00001_46567_2201.N1 | 25-JAN-2011 22:03:28 | Dark       | 42.500 | 10  | Bet Cen   | 0.61000 | 28000. | 85  | 46567 | No |
| 245 | GOM_NL__2PRFIN20110125_220654_000000443099_00001_46567_2202.N1 | 25-JAN-2011 22:06:54 | Dark       | 43.500 | 12  | Alp1Cru   | 0.77500 | 30000. | 87  | 46567 | No |
| 246 | GOM_NL__2PRFIN20110125_220832_000000473099_00001_46567_2203.N1 | 25-JAN-2011 22:08:32 | Dark       | 46.500 | 99  | Del Cen   | 2.5750  | 26000. | 93  | 46567 | No |
| 247 | GOM_NL__2PRFIN20110125_221355_000000413099_00001_46567_2204.N1 | 25-JAN-2011 22:13:55 | Dark       | 40.500 | 91  | Kap Vel   | 2.4900  | 26000. | 81  | 46567 | No |
| 248 | GOM_NL__2PRFIN20110125_221715_000000473099_00001_46567_2205.N1 | 25-JAN-2011 22:17:15 | Dark       | 47.000 | 65  | Lam Vel   | 2.2040  | 4400.0 | 94  | 46567 | No |
| 249 | GOM_NL__2PRFIN20110125_222357_000000423099_00001_46567_2206.N1 | 25-JAN-2011 22:23:57 | Straylight | 42.000 | 132 | 15Rho Pup | 2.8030  | 6900.0 | 84  | 46567 | No |
| 250 | GOM_NL__2PRFIN20110125_223258_000000473099_00001_46567_2207.N1 | 25-JAN-2011 22:32:58 | Twilight   | 46.500 | 8   | 10Alp CMi | 0.40000 | 6500.0 | 93  | 46567 | No |
| 251 | GOM_NL__2PRFIN20110125_223952_000000443099_00001_46567_2208.N1 | 25-JAN-2011 22:39:52 | Bright     | 44.000 | 17  | 78Bet Gem | 1.1610  | 4500.0 | 88  | 46567 | No |
| 252 | GOM_NL__2PRFIN20110125_225521_000000483099_00001_46567_2209.N1 | 25-JAN-2011 22:55:21 | Bright     | 48.000 | 36  | 50Alp UMa | 1.8000  | 6300.0 | 96  | 46567 | No |
| 253 | GOM_NL__2PRFIN20110125_230011_000000413099_00001_46567_2210.N1 | 25-JAN-2011 23:00:11 | Bright     | 40.500 | 60  | 7Bet UMi  | 2.0810  | 3950.0 | 81  | 46567 | No |
| 254 | GOM_NL__2PRFIN20110125_230445_000000533099_00001_46567_2211.N1 | 25-JAN-2011 23:04:45 | Bright     | 53.000 | 119 | 14Eta Dra | 2.7270  | 4700.0 | 106 | 46567 | No |
| 255 | GOM_NL__2PRFIN20110125_230742_000000543099_00001_46567_2212.N1 | 25-JAN-2011 23:07:42 | Bright     | 54.000 | 130 | 23Bet Dra | 2.7990  | 5800.0 | 108 | 46567 | No |
| 256 | GOM_NL__2PRFIN20110125_231410_000000413099_00001_46567_2213.N1 | 25-JAN-2011 23:14:10 | Bright     | 40.500 | 133 | 40Zet Her | 2.8070  | 6000.0 | 81  | 46567 | No |
| 257 | GOM_NL__2PRFIN20110125_231732_000000423099_00001_46567_2214.N1 | 25-JAN-2011 23:17:32 | Bright     | 42.000 | 127 | 27Bet Her | 2.7810  | 4700.0 | 84  | 46567 | No |
| 258 | GOM_NL__2PRFIN20110125_232356_000000613099_00001_46567_2215.N1 | 25-JAN-2011 23:23:56 | Twilight   | 60.500 | 102 | 24Alp Ser | 2.6000  | 4250.0 | 121 | 46567 | No |
| 259 | GOM_NL__2PRFIN20110125_232701_000000443099_00001_46567_2216.N1 | 25-JAN-2011 23:27:01 | Twilight   | 43.500 | 98  | 13Zet Oph | 2.5710  | 30000. | 87  | 46567 | No |
| 260 | GOM_NL__2PRFIN20110125_233131_000000533099_00001_46567_2217.N1 | 25-JAN-2011 23:31:31 | Dark       | 52.500 | 16  | 21Alp Sco | 1.0200  | 3000.0 | 105 | 46567 | No |
| 261 | GOM_NL__2PRFIN20110125_233707_000000423099_00001_46567_2218.N1 | 25-JAN-2011 23:37:07 | Dark       | 41.500 | 131 | Gam Lup   | 2.8000  | 26000. | 83  | 46567 | No |
| 262 | GOM_NL__2PRFIN20110125_233910_000000433099_00001_46567_2219.N1 | 25-JAN-2011 23:39:10 | Dark       | 43.000 | 109 | Bet Lup   | 2.6770  | 26000. | 86  | 46567 | No |
| 263 | GOM_NL__2PRFIN20110125_234038_000000443099_00002_46568_2212.N1 | 25-JAN-2011 23:40:38 | Dark       | 43.500 | 78  | Alp Lup   | 2.3040  | 28000. | 87  | 46568 | No |
| 264 | GOM_NL__2PRFIN20110125_234342_000000433099_00002_46568_2213.N1 | 25-JAN-2011 23:43:42 | Dark       | 43.000 | 10  | Bet Cen   | 0.61000 | 28000. | 86  | 46568 | No |
| 265 | GOM_NL__2PRFIN20110125_234709_000000423099_00002_46568_2214.N1 | 25-JAN-2011 23:47:09 | Dark       | 42.000 | 12  | Alp1Cru   | 0.77500 | 30000. | 84  | 46568 | No |
| 266 | GOM_NL__2PRFIN20110125_235410_000000413099_00002_46568_2215.N1 | 25-JAN-2011 23:54:10 | Dark       | 41.000 | 91  | Kap Vel   | 2.4900  | 26000. | 82  | 46568 | No |
| 267 | GOM_NL__2PRFIN20110125_235729_000000493099_00002_46568_2216.N1 | 25-JAN-2011 23:57:29 | Dark       | 48.500 | 65  | Lam Vel   | 2.2040  | 4400.0 | 97  | 46568 | No |

### 3. Quality information per product

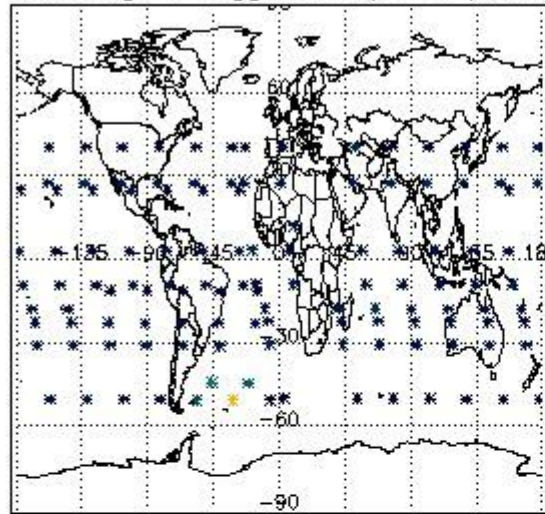
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

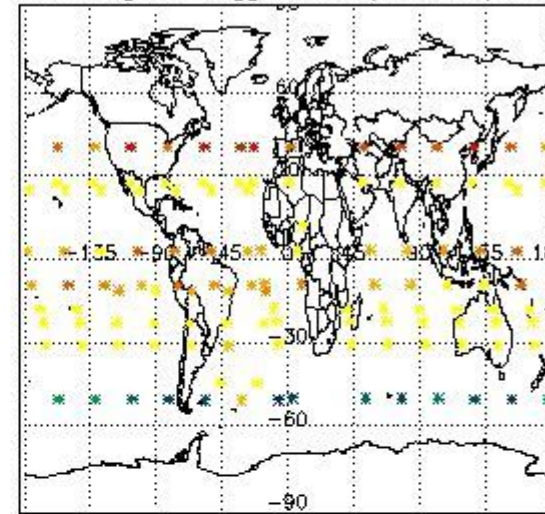


*3.2 Plot quality information per product (world map)*

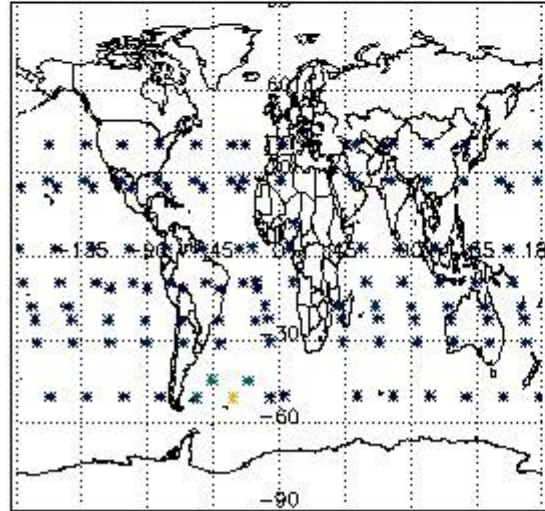
Percentage of flagged data per O3 profile



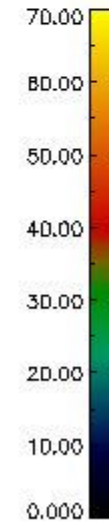
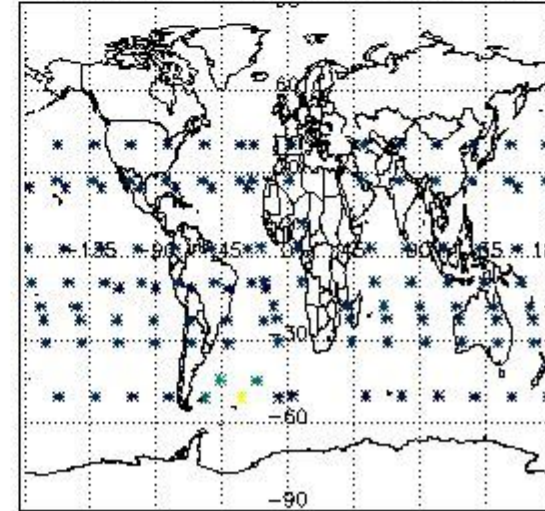
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

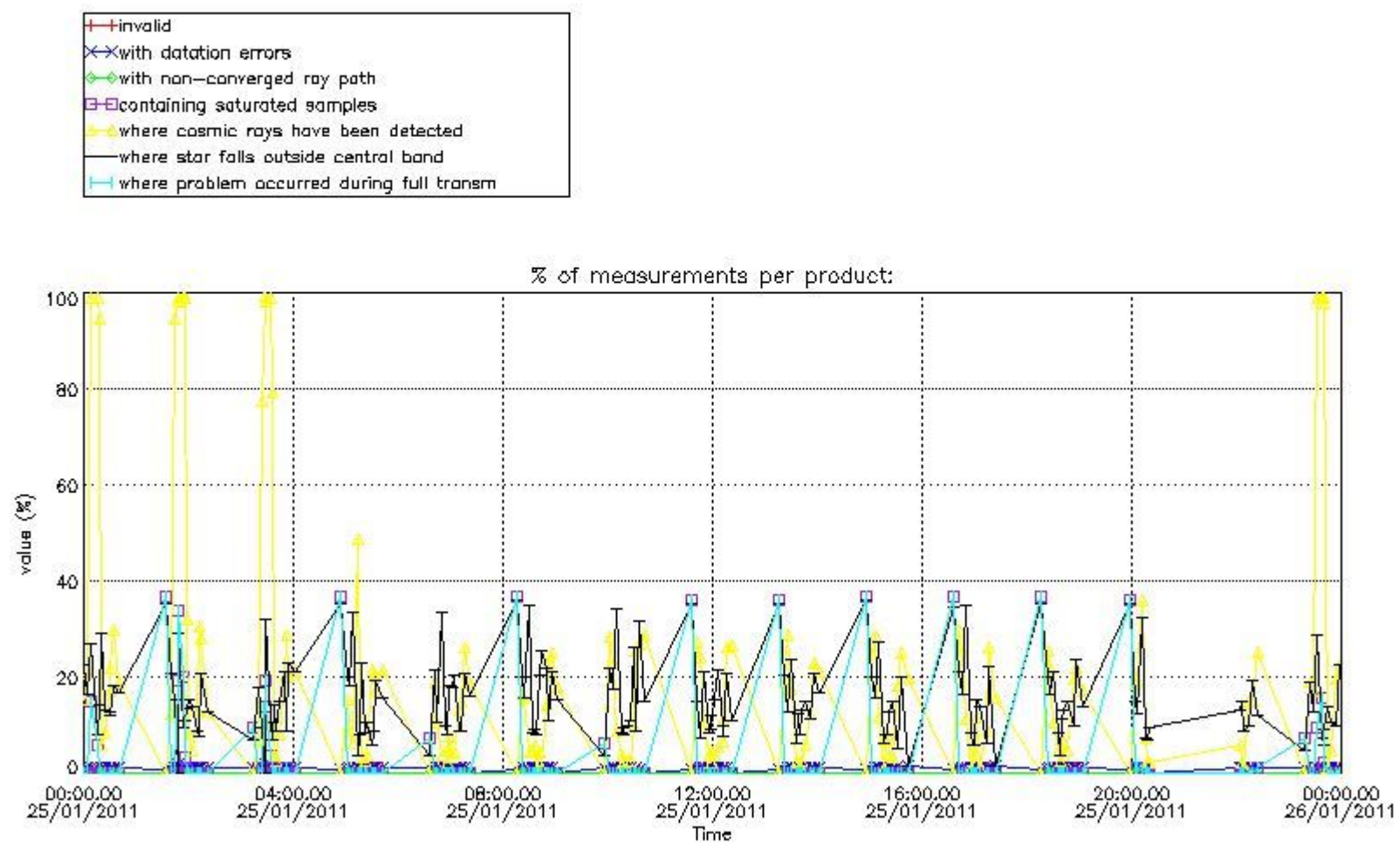


#### 4. Level 1 quality information per product

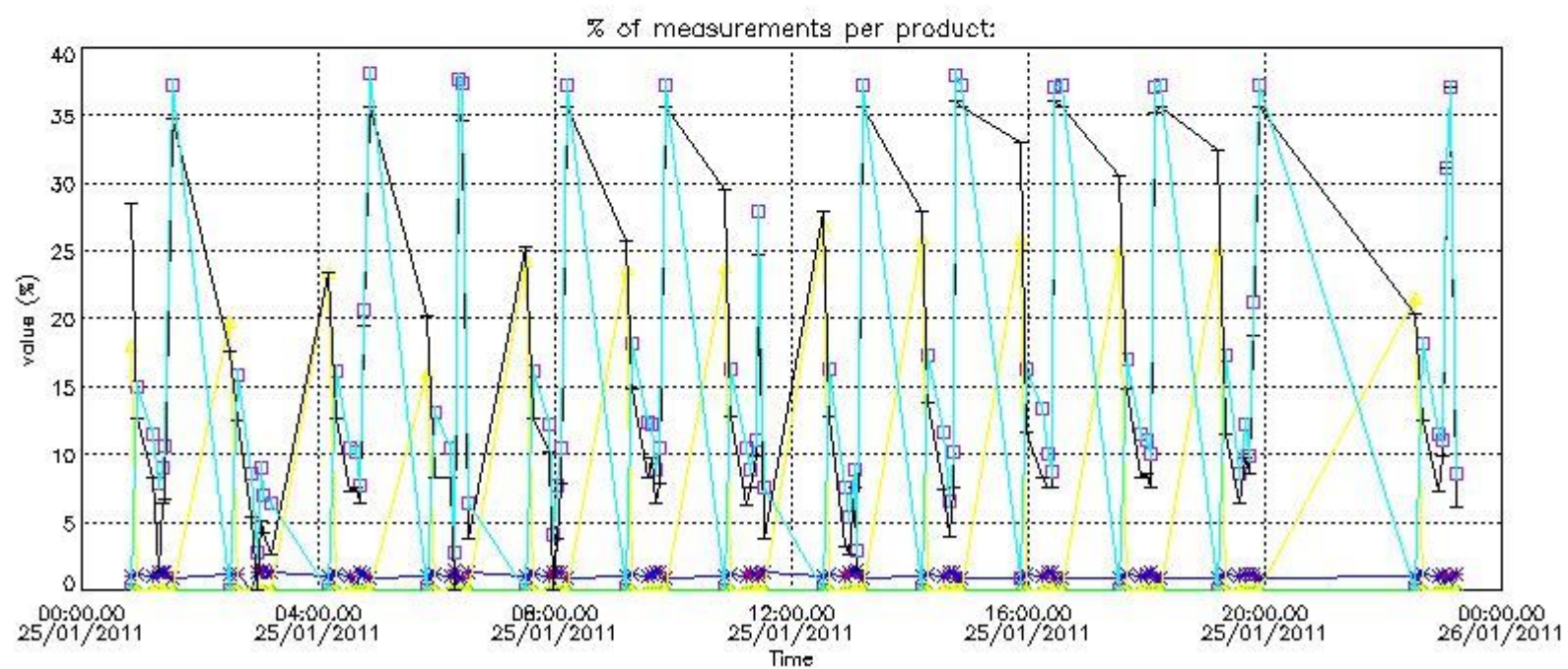
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

##### 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



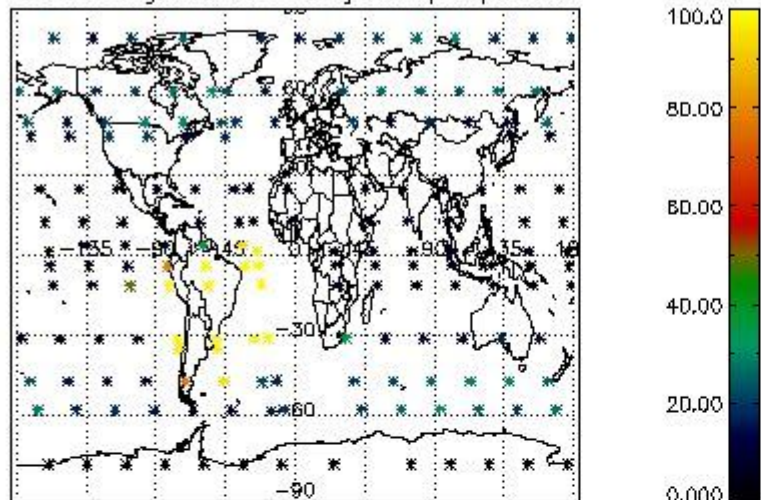
4.1.2 Plot level 1 quality information per product (time dependant): ENVISAT DESCENDING passes



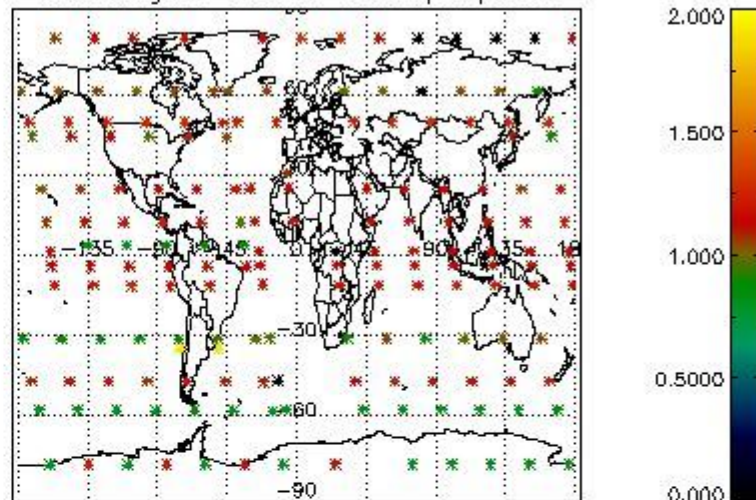
*4.2 Plot quality information per product coming from level 1b processing (world map)*

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

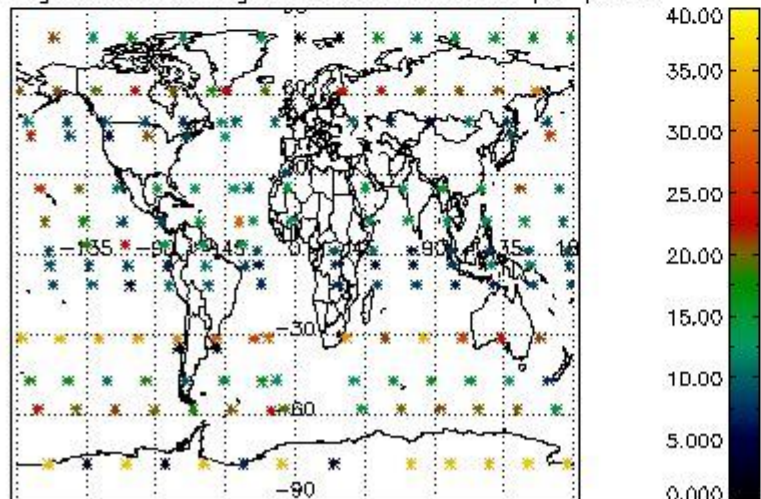
Percentage of cosmic ray hits per profile



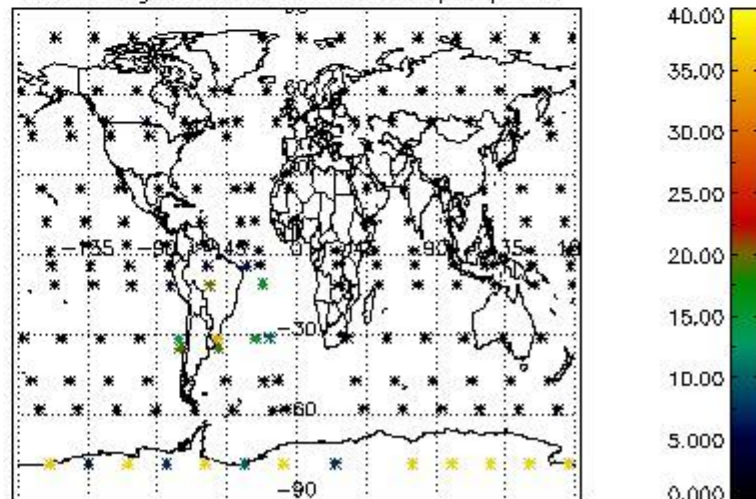
Percentage of datation errors per profile



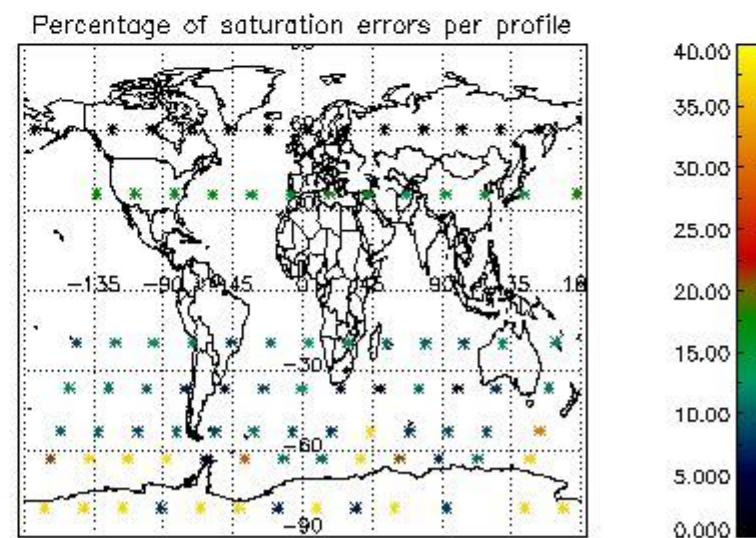
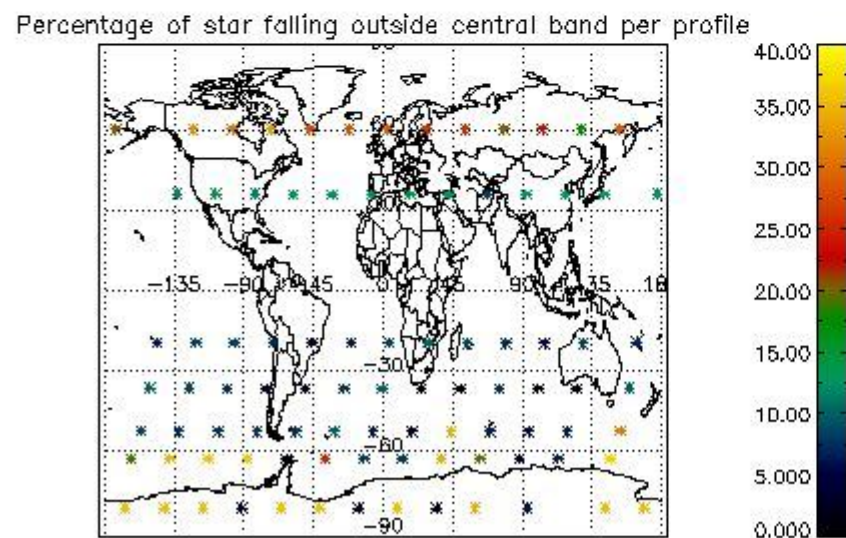
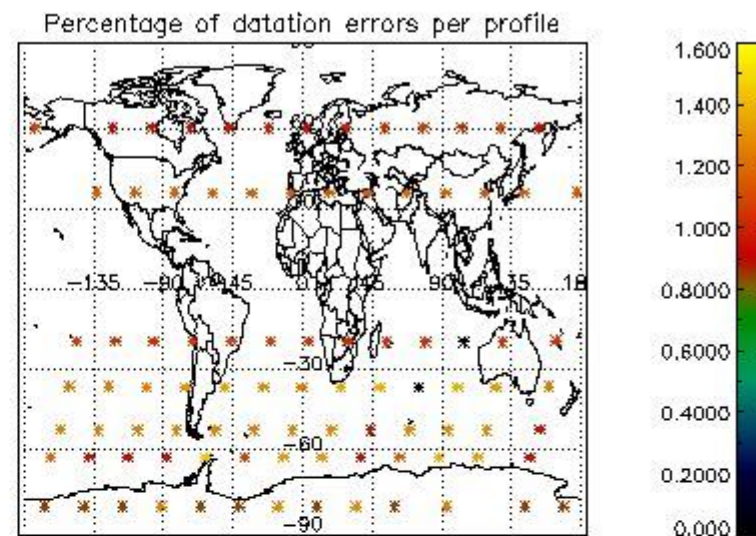
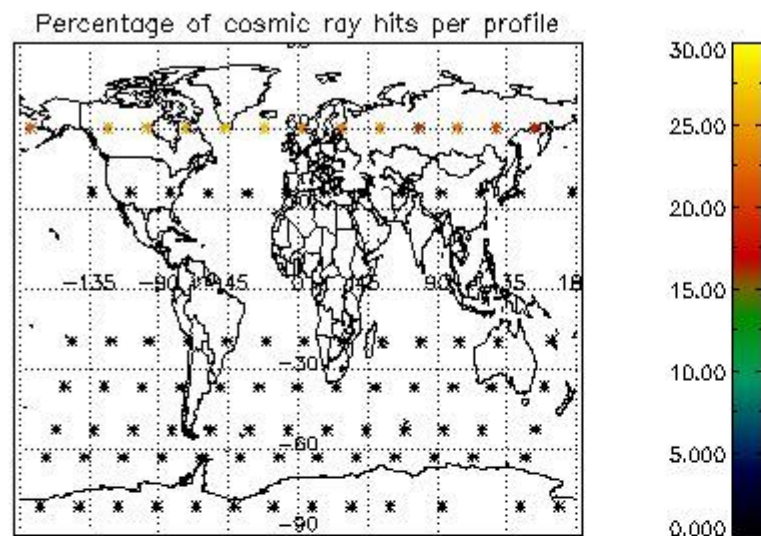
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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



## 5. Trace gas profiles

### 5.1 Ozone statistics based on quality of products

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

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

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

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

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

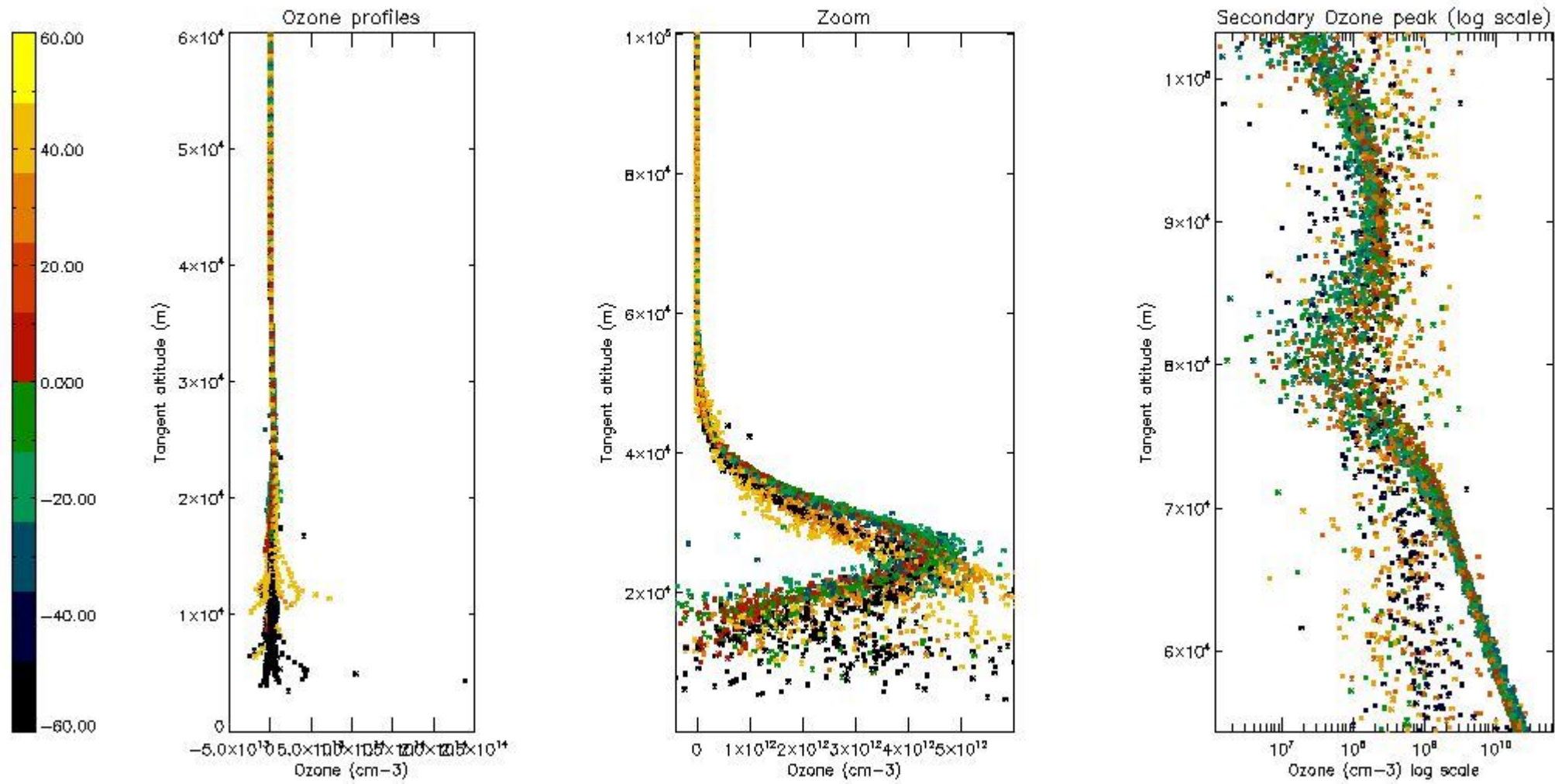
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

| Criteria | % of total production |
|----------|-----------------------|
| All STD  | 45                    |
| STD < 20 | 22                    |

|          |    |
|----------|----|
| STD < 10 | 17 |
| STD < 5  | 12 |

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

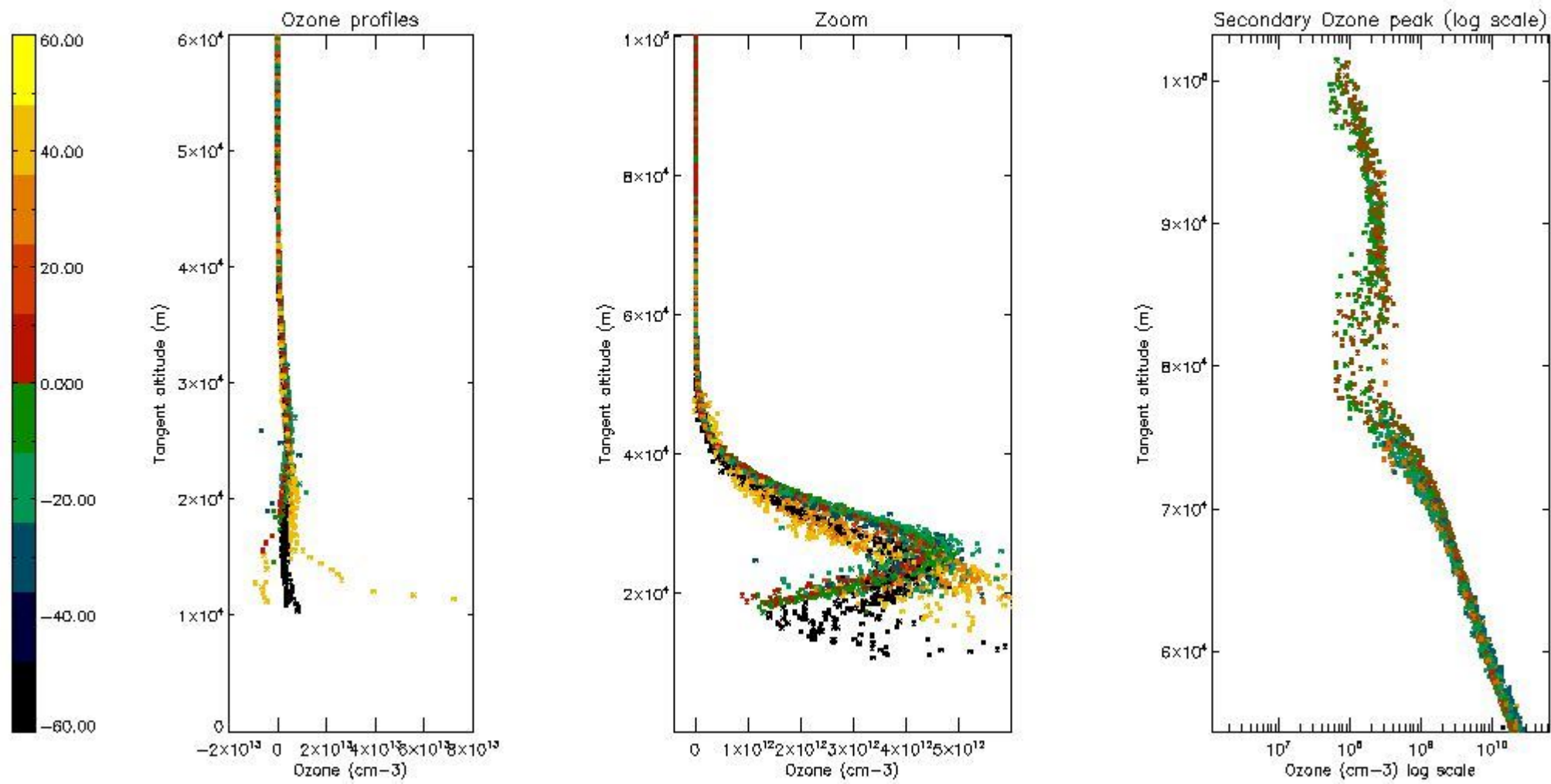
The colorbar represents the latitude.



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

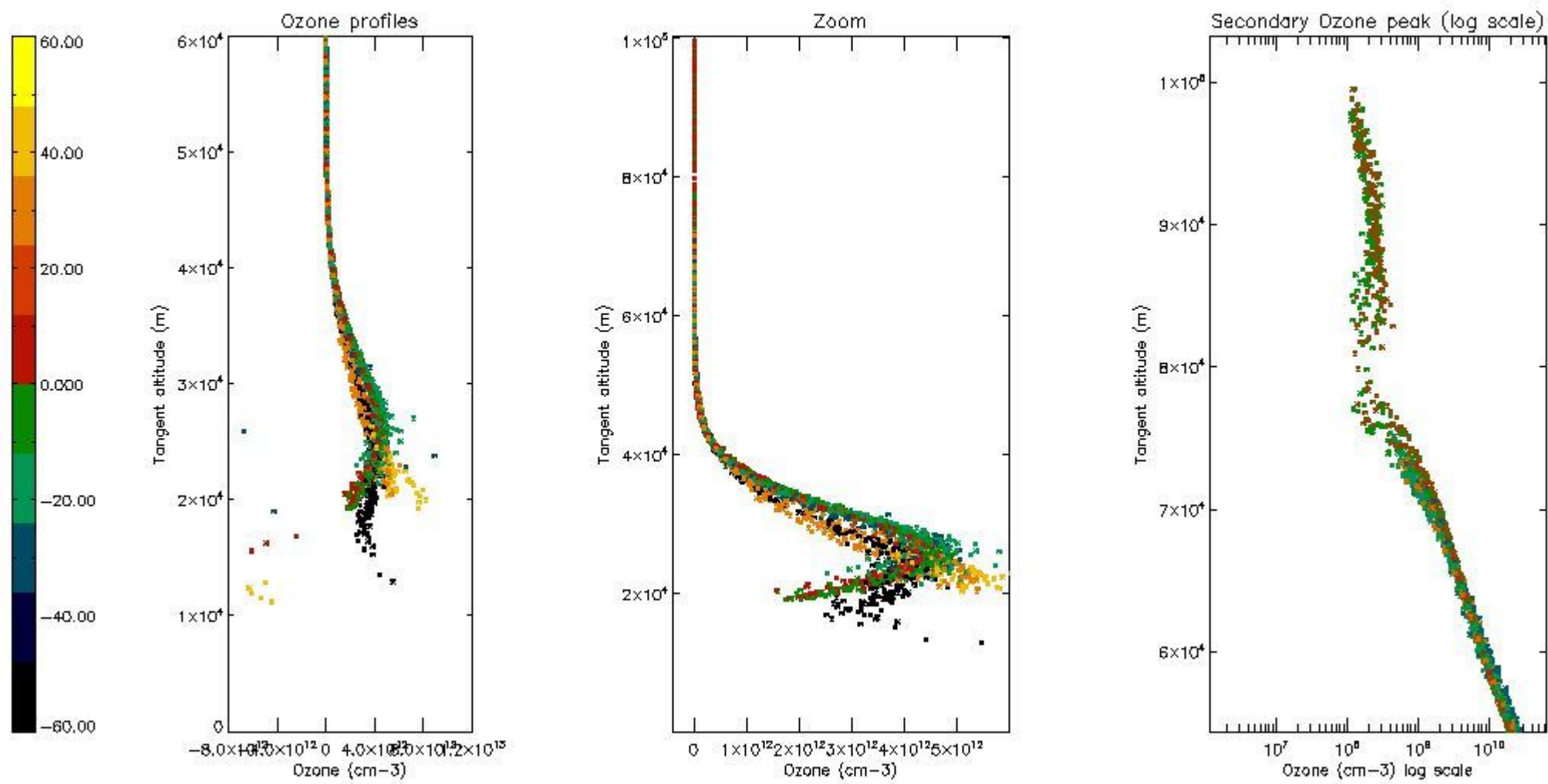
The colorbar represents the latitude.





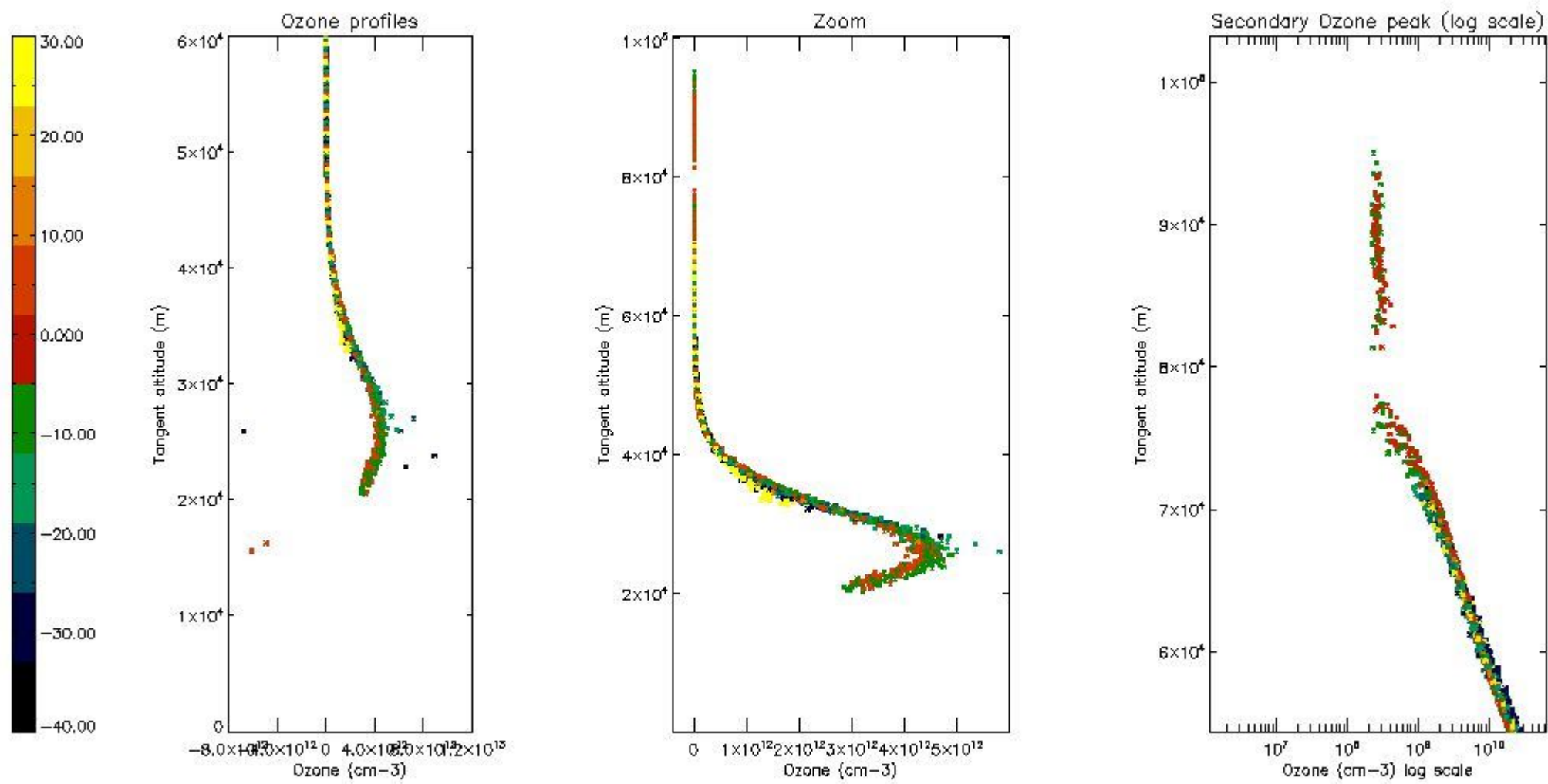
*5.4 Plot ozone profiles where STD < 10% (dark without errors)*

The colorbar represents the latitude.



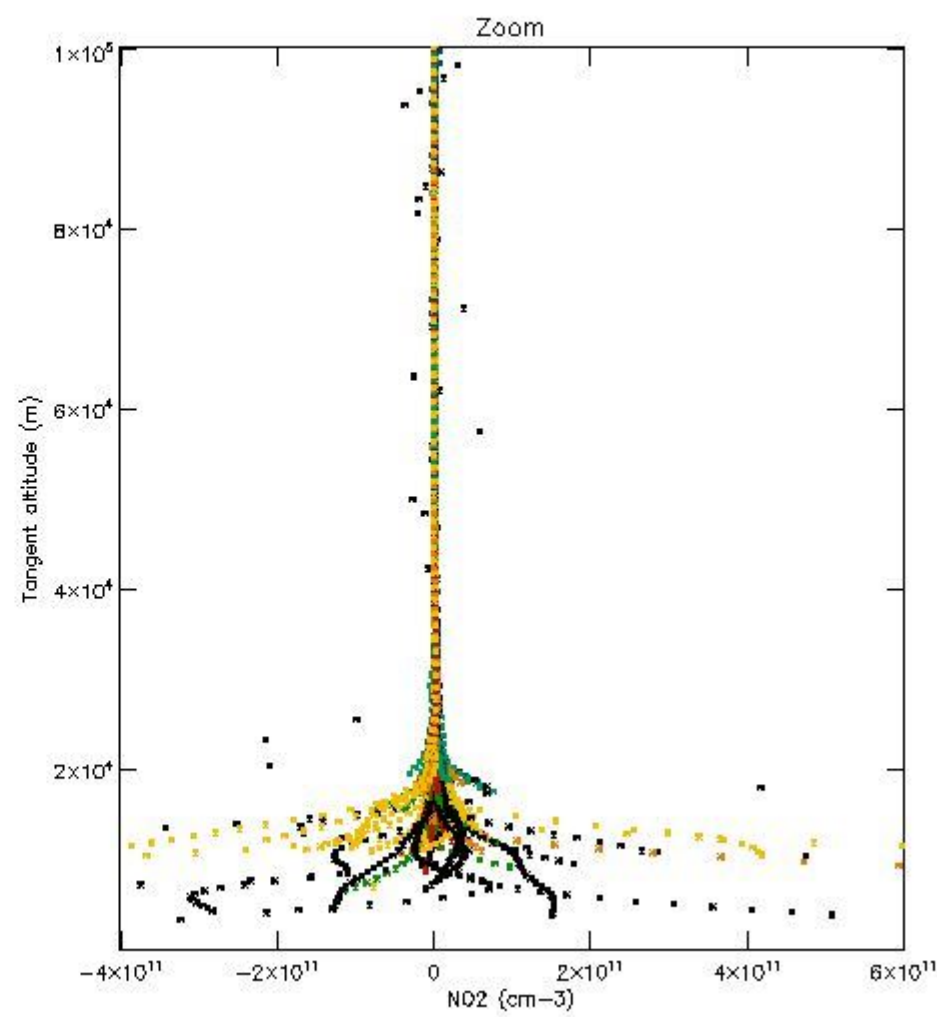
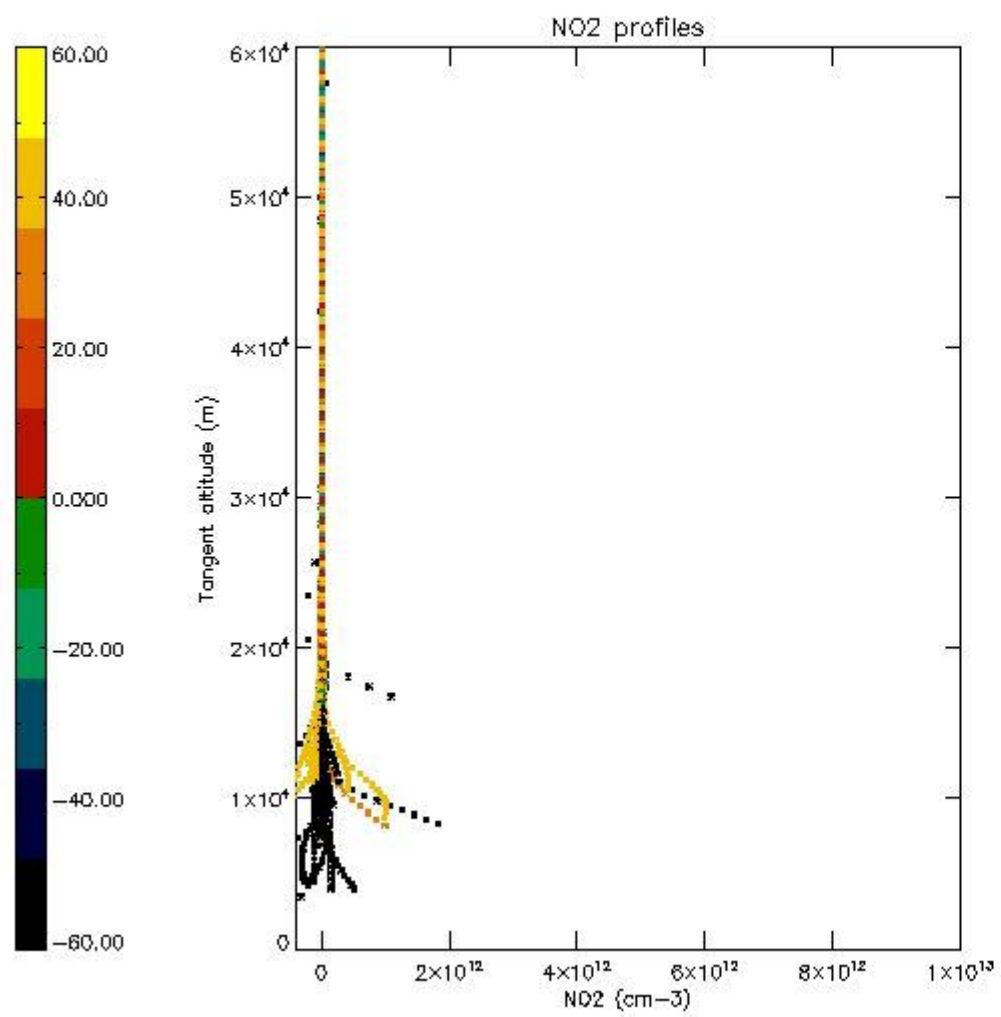
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



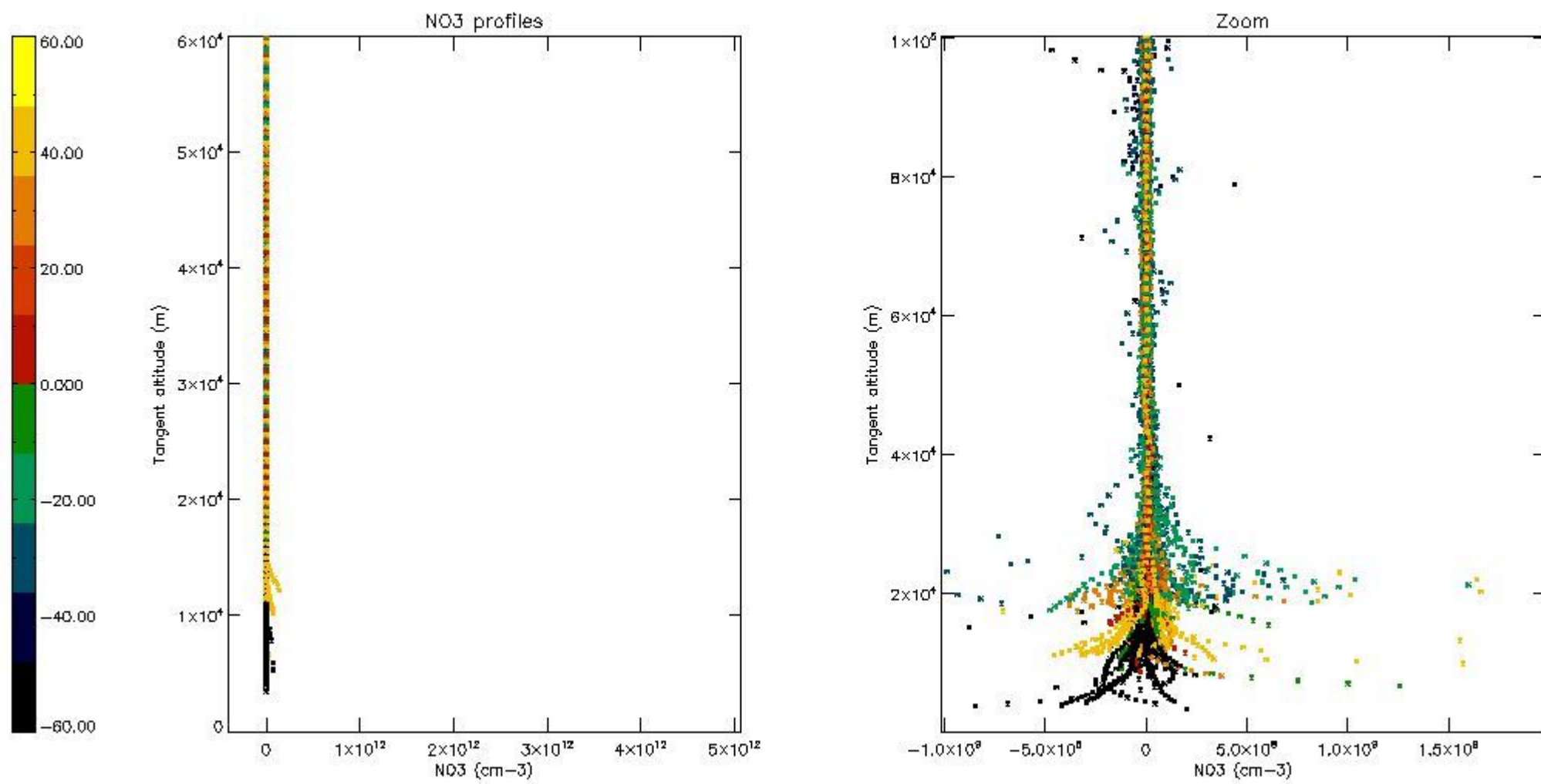
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



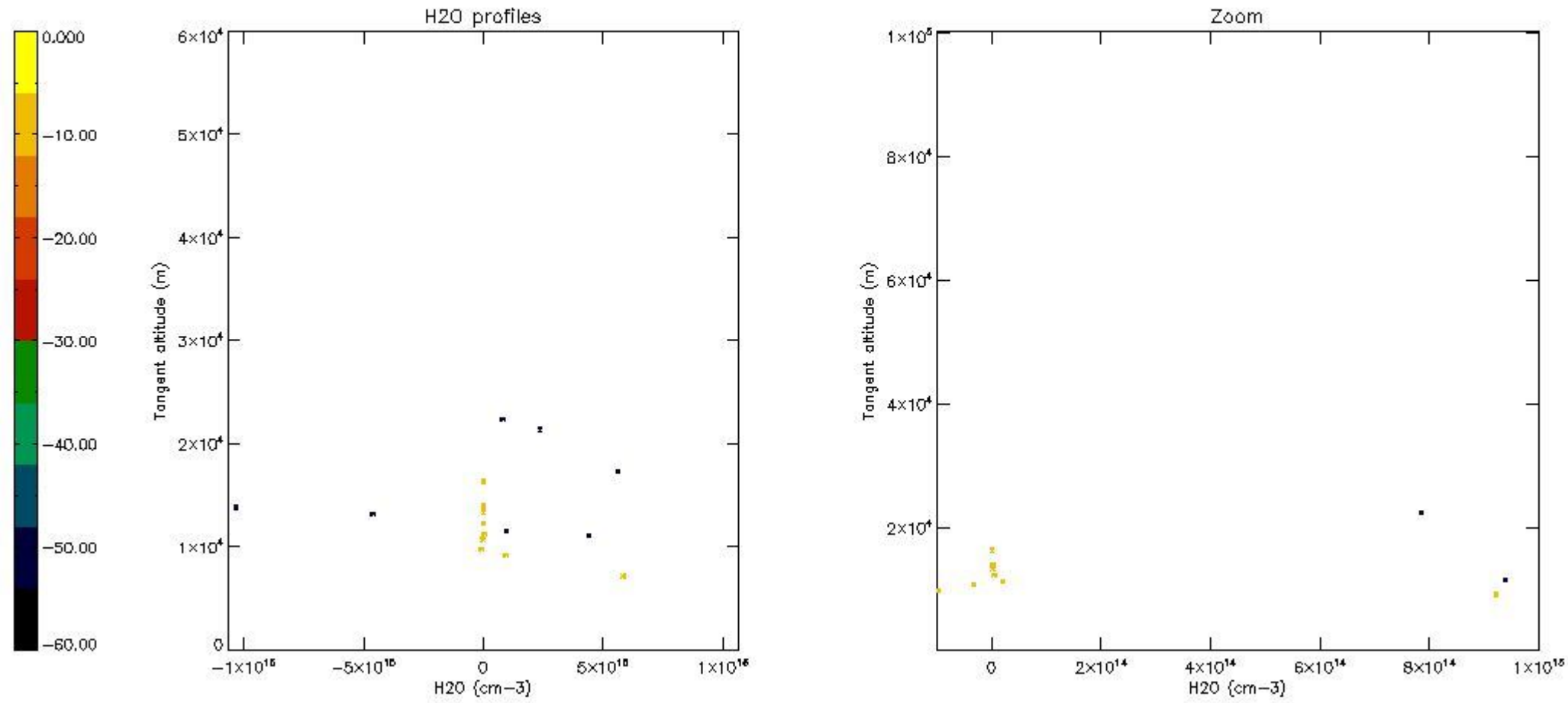
*5.7 Plot NO3 profiles for all STD (dark without errors)*

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)

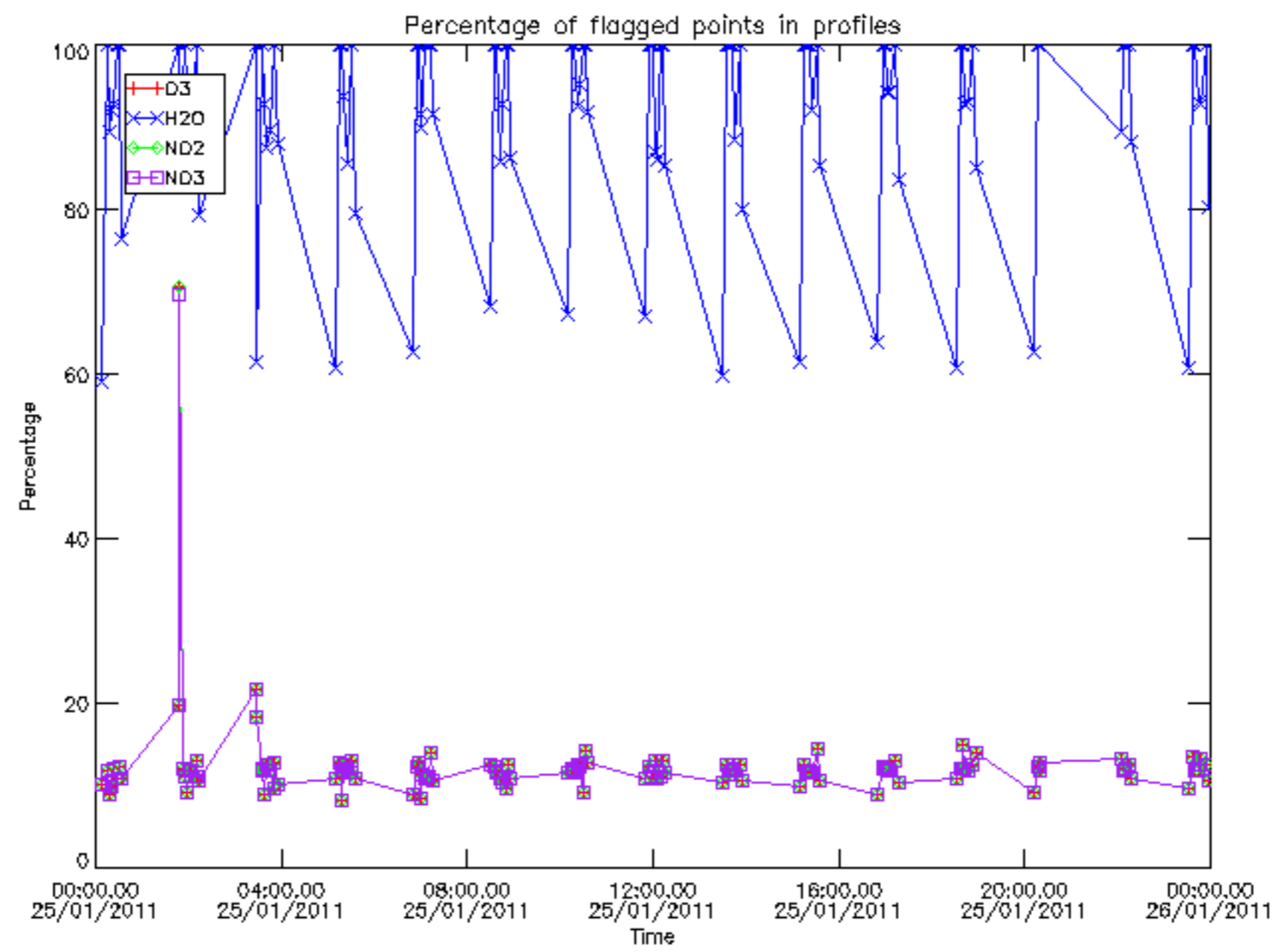
The colorbar represents the latitude.



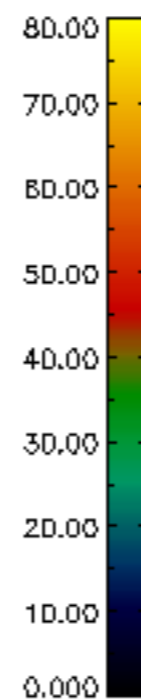
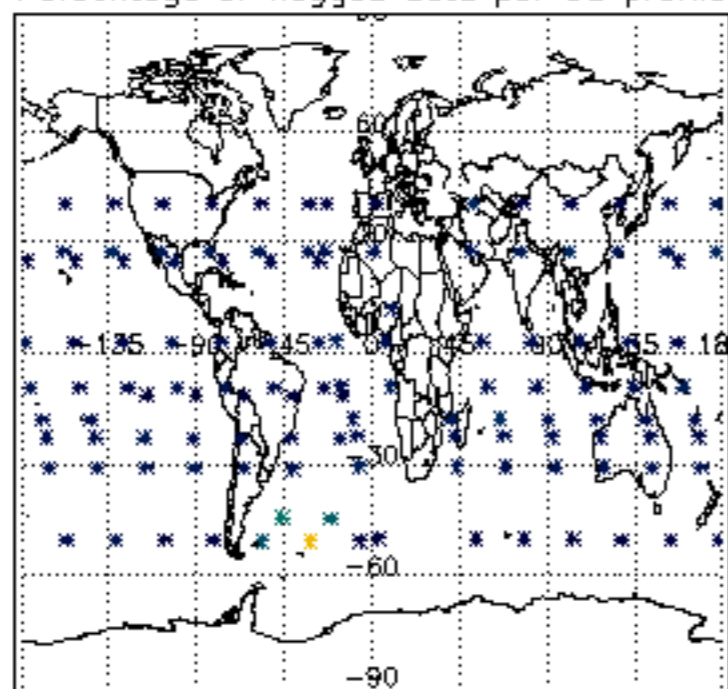
## 6. Auxiliary Data Files used for the production reported in section 2

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.

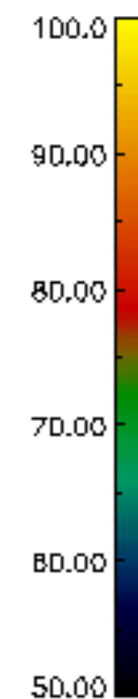
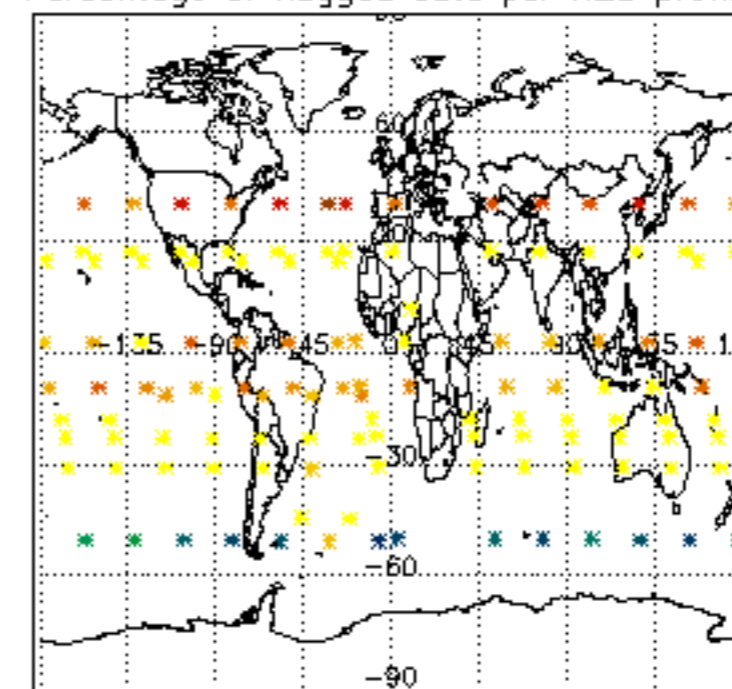
| Type                      | Auxiliary Filename  | Used since product | Used since product date |
|---------------------------|---|--------------------|-------------------------|
| INST_PHYS_CHARACTERISTICS | GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000 | 1                  | 25-JAN-2011 00:00:30    |
| LEVEL-2_PROC_CONFIG       | GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000 | 1                  | 25-JAN-2011 00:00:30    |
| CROSS_SECTIONS_FILE       | GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000 | 1                  | 25-JAN-2011 00:00:30    |



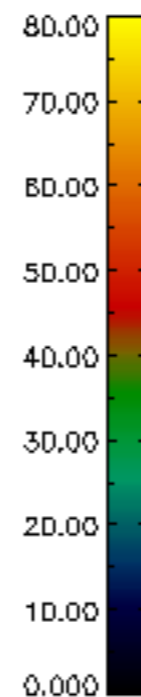
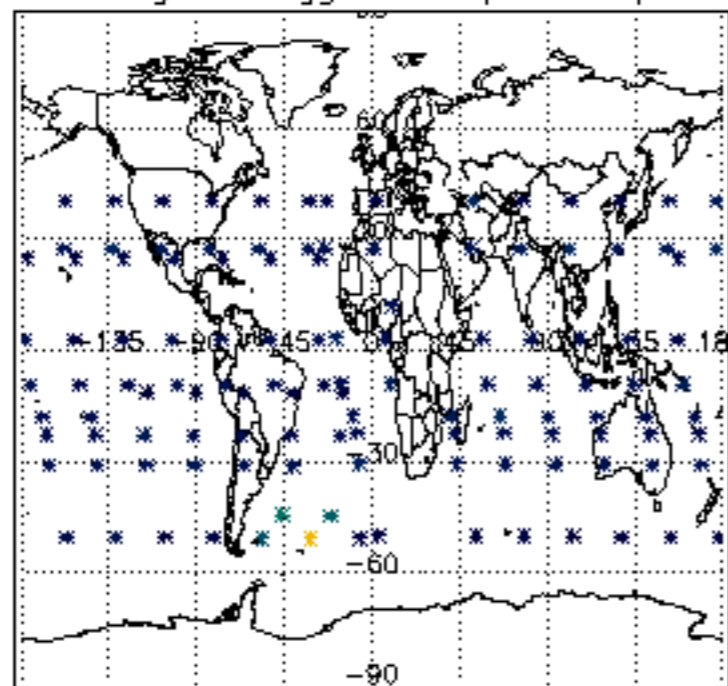
Percentage of flagged data per D3 profile



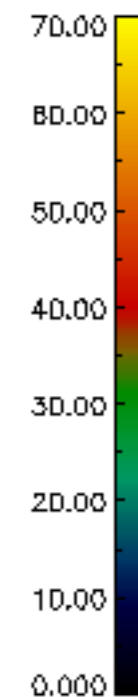
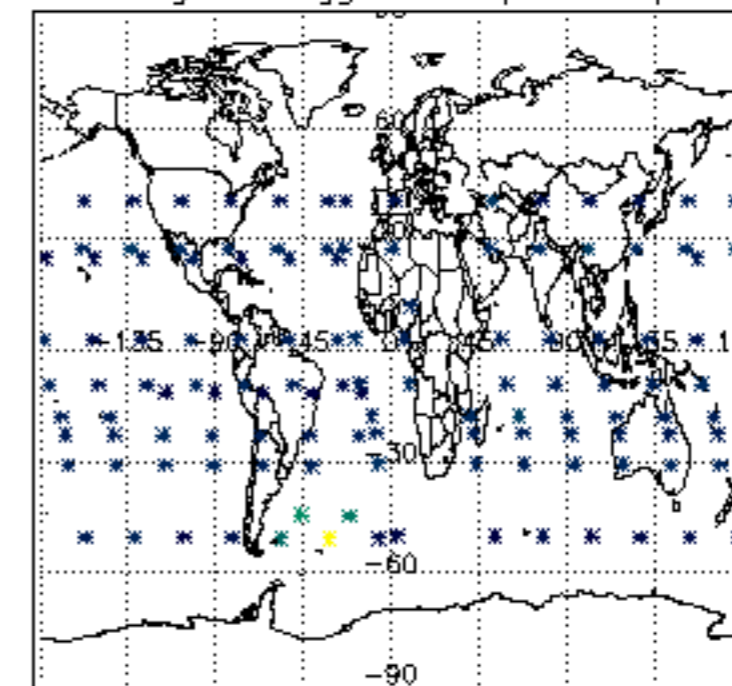
Percentage of flagged data per H2O profile



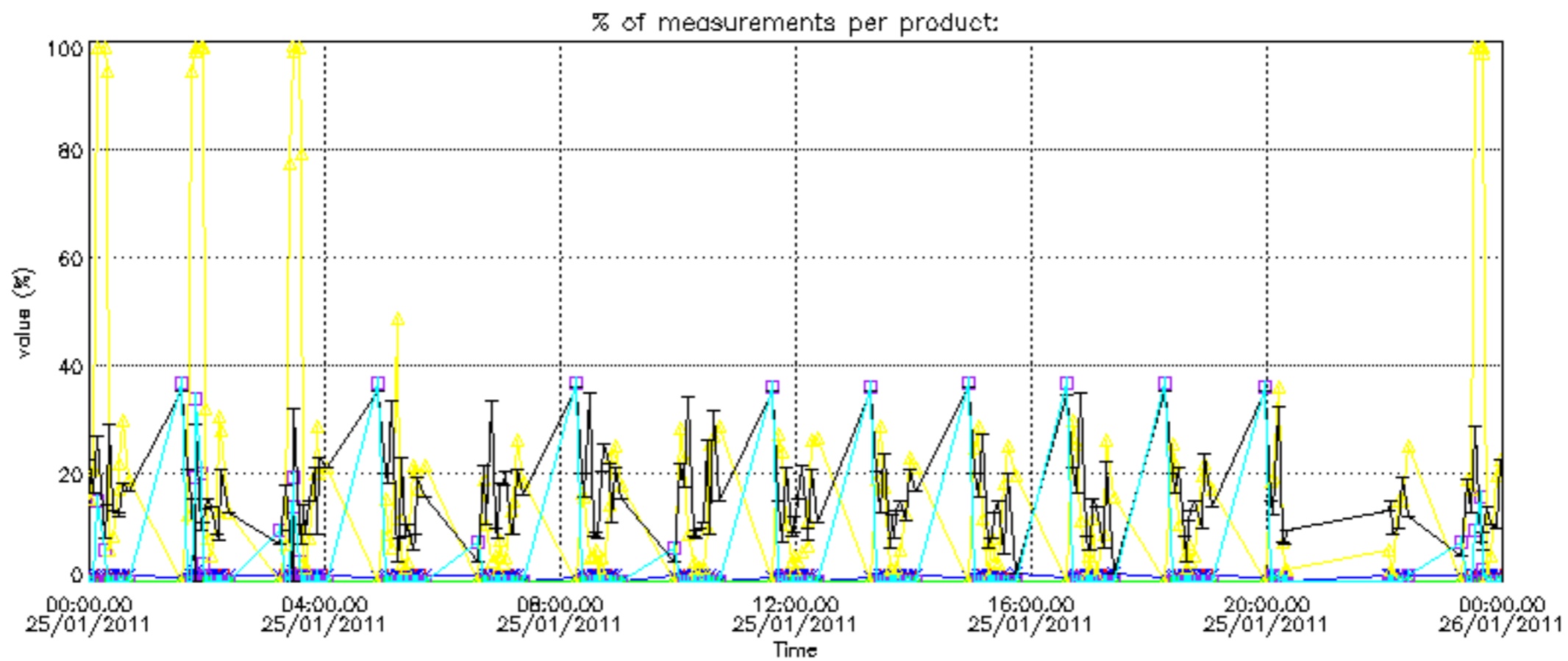
Percentage of flagged data per NO2 profile

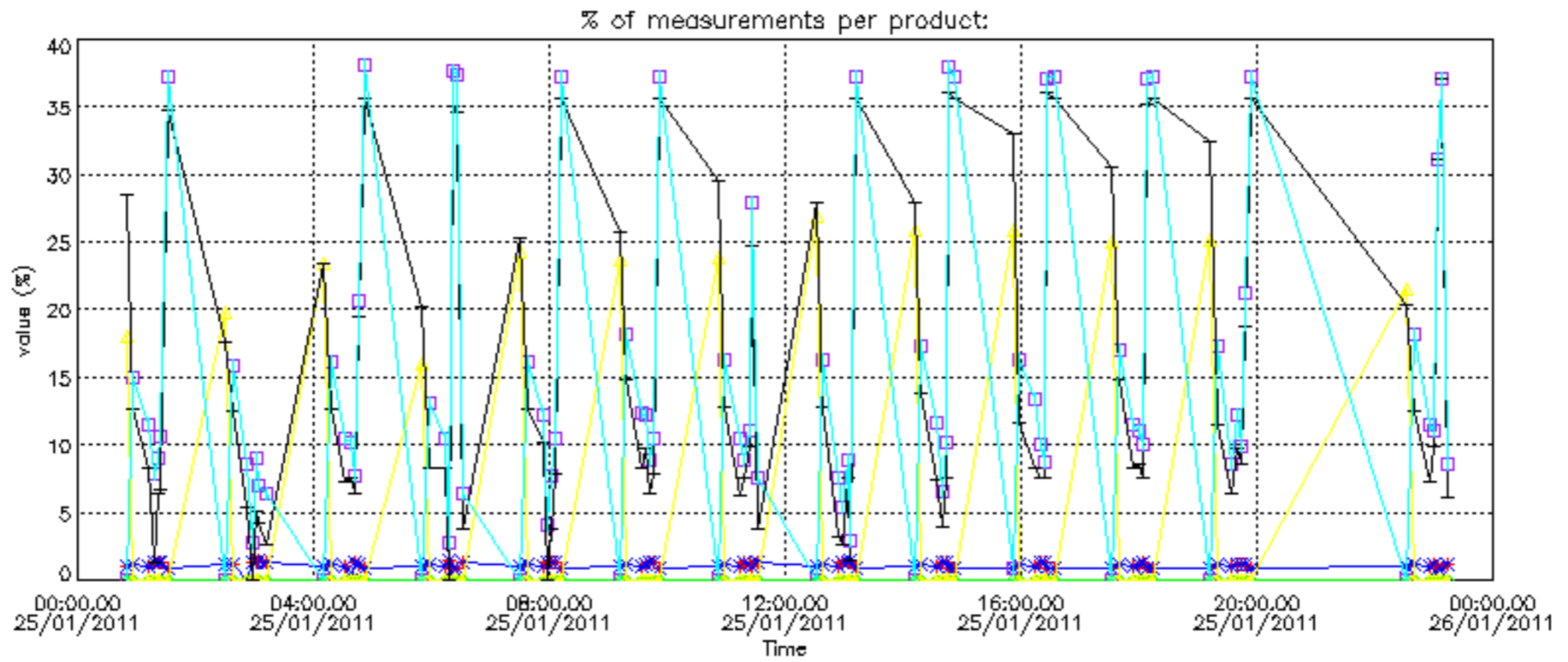


Percentage of flagged data per NO3 profile

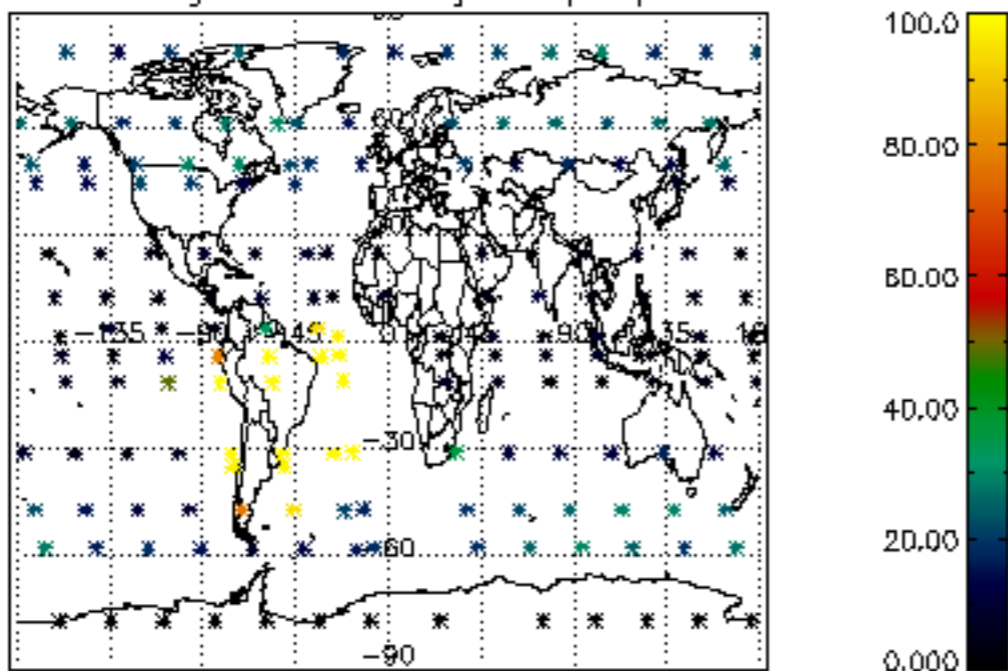




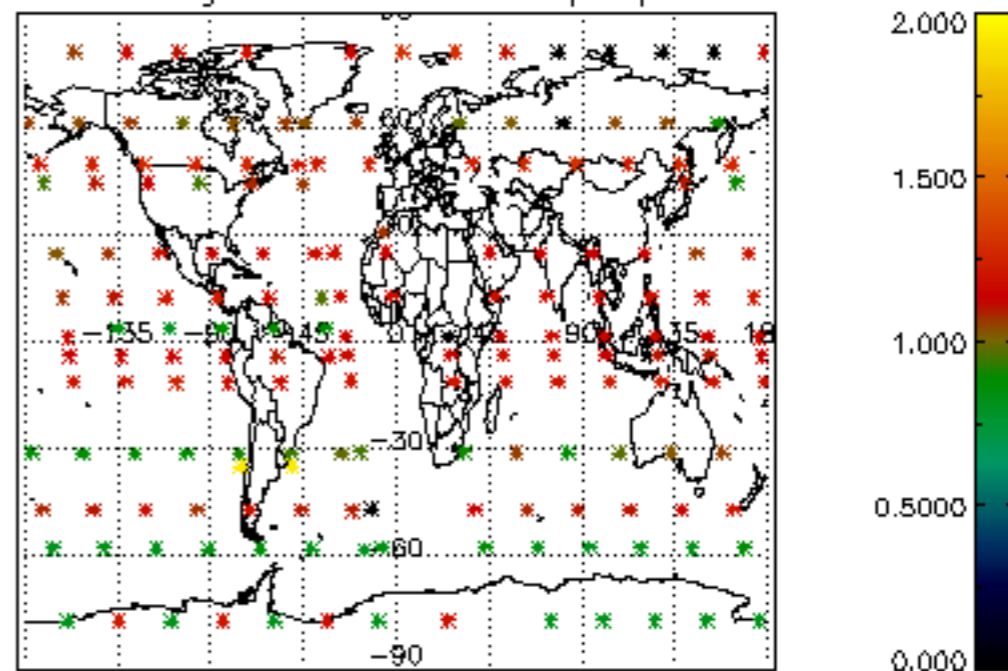




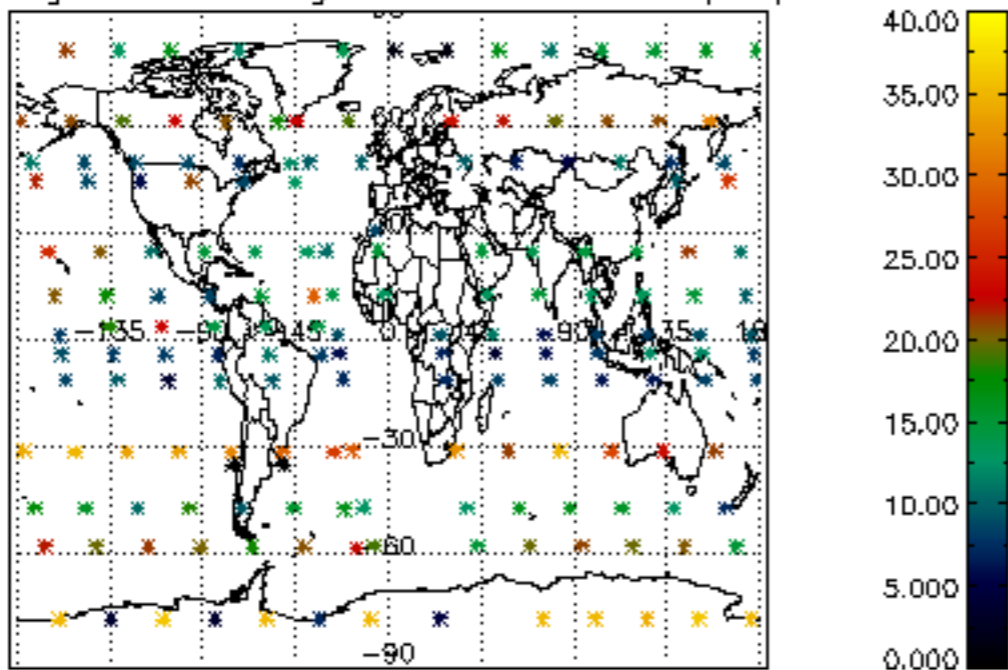
Percentage of cosmic ray hits per profile



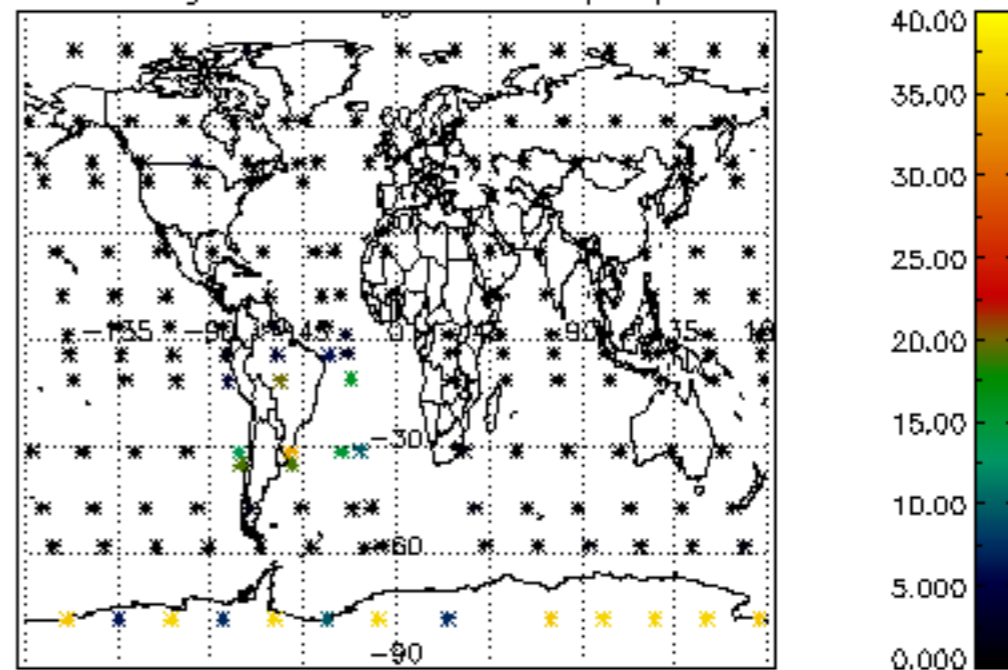
Percentage of datation errors per profile



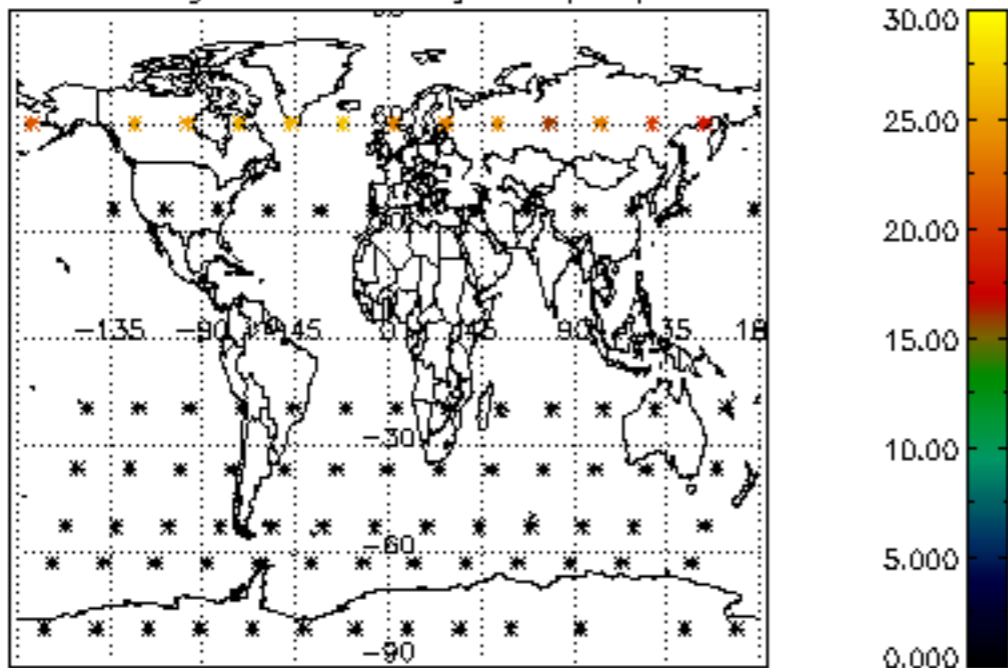
Percentage of star falling outside central band per profile



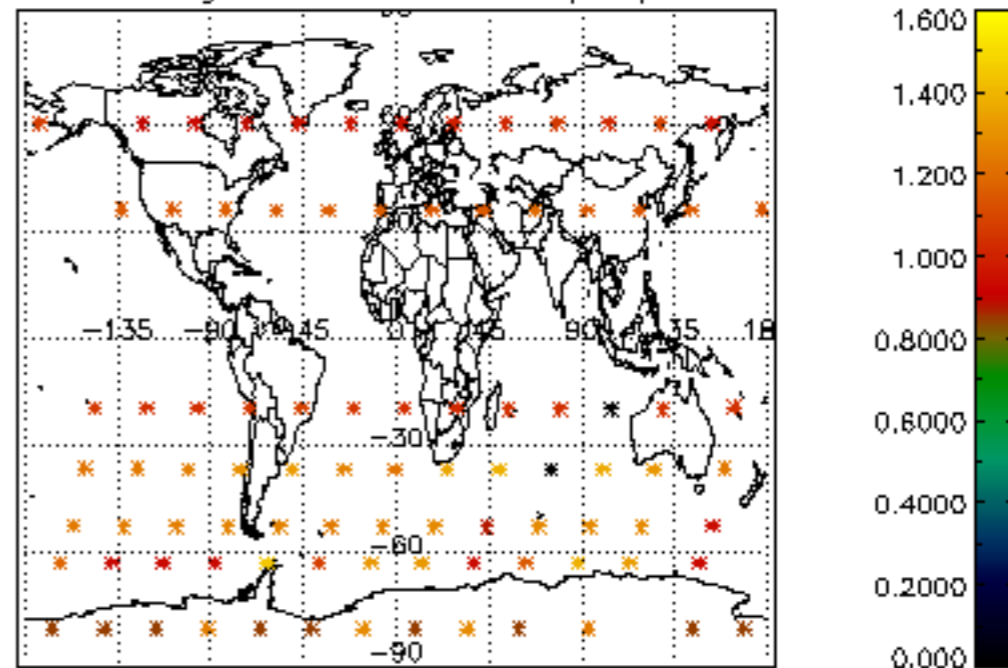
Percentage of saturation errors per profile



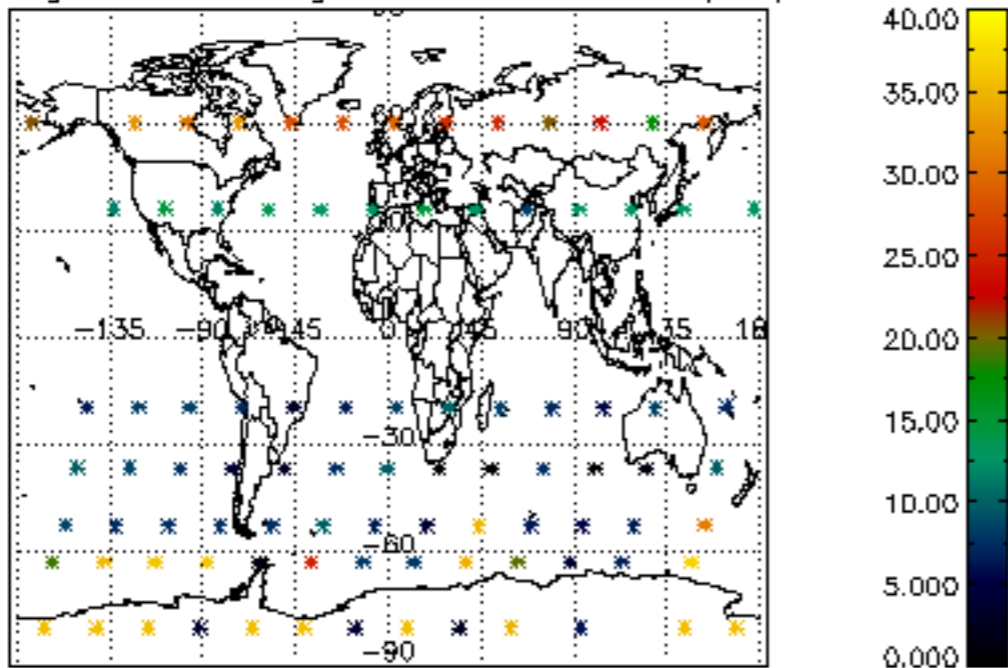
Percentage of cosmic ray hits per profile



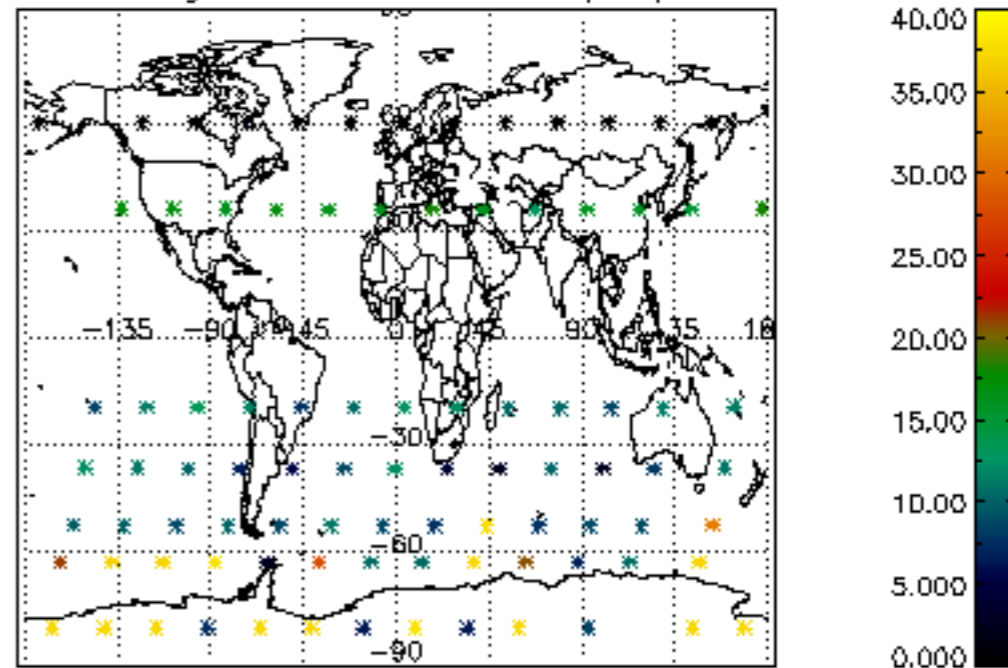
Percentage of datation errors per profile

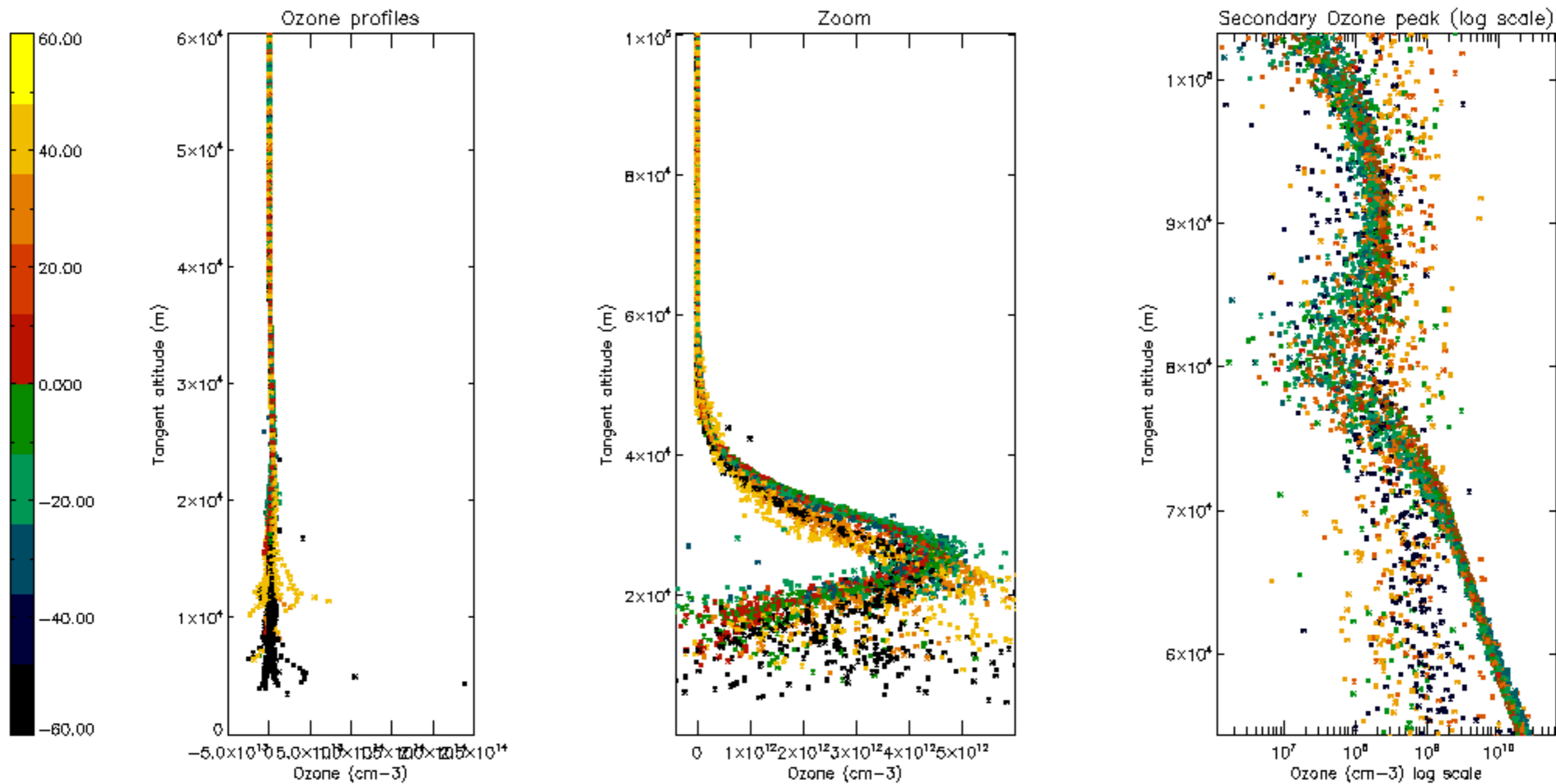


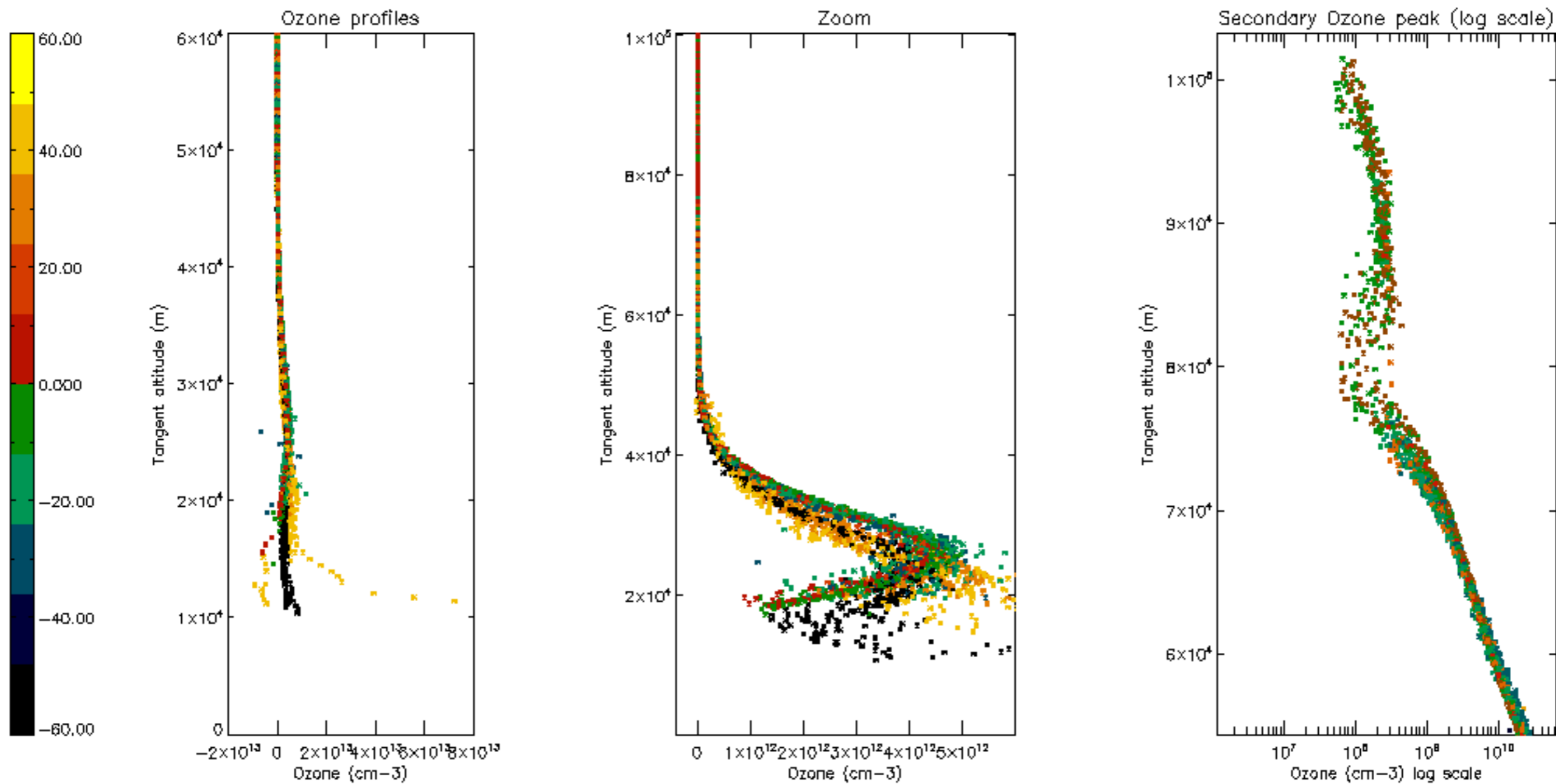
Percentage of star falling outside central band per profile

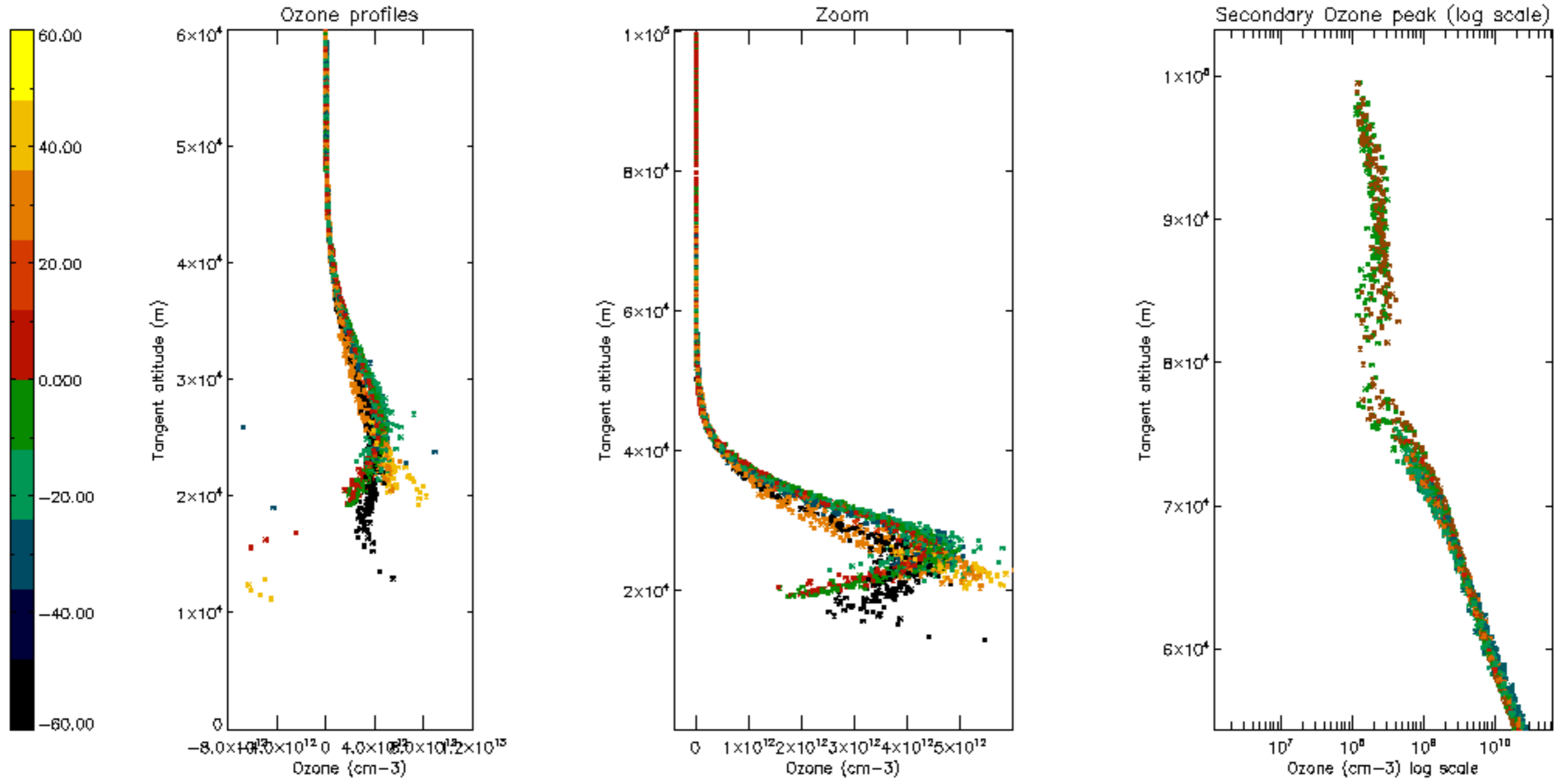


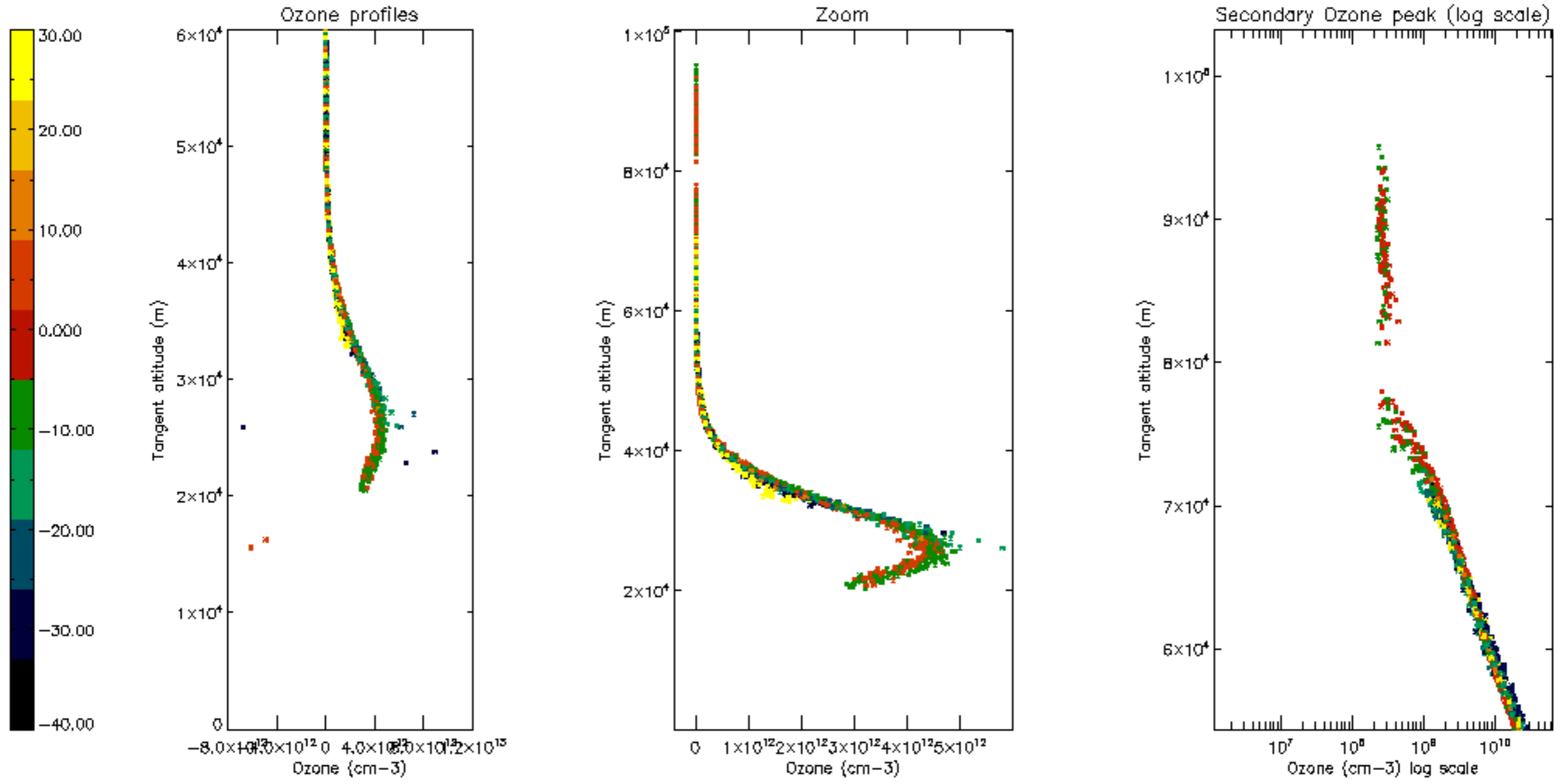
Percentage of saturation errors per profile



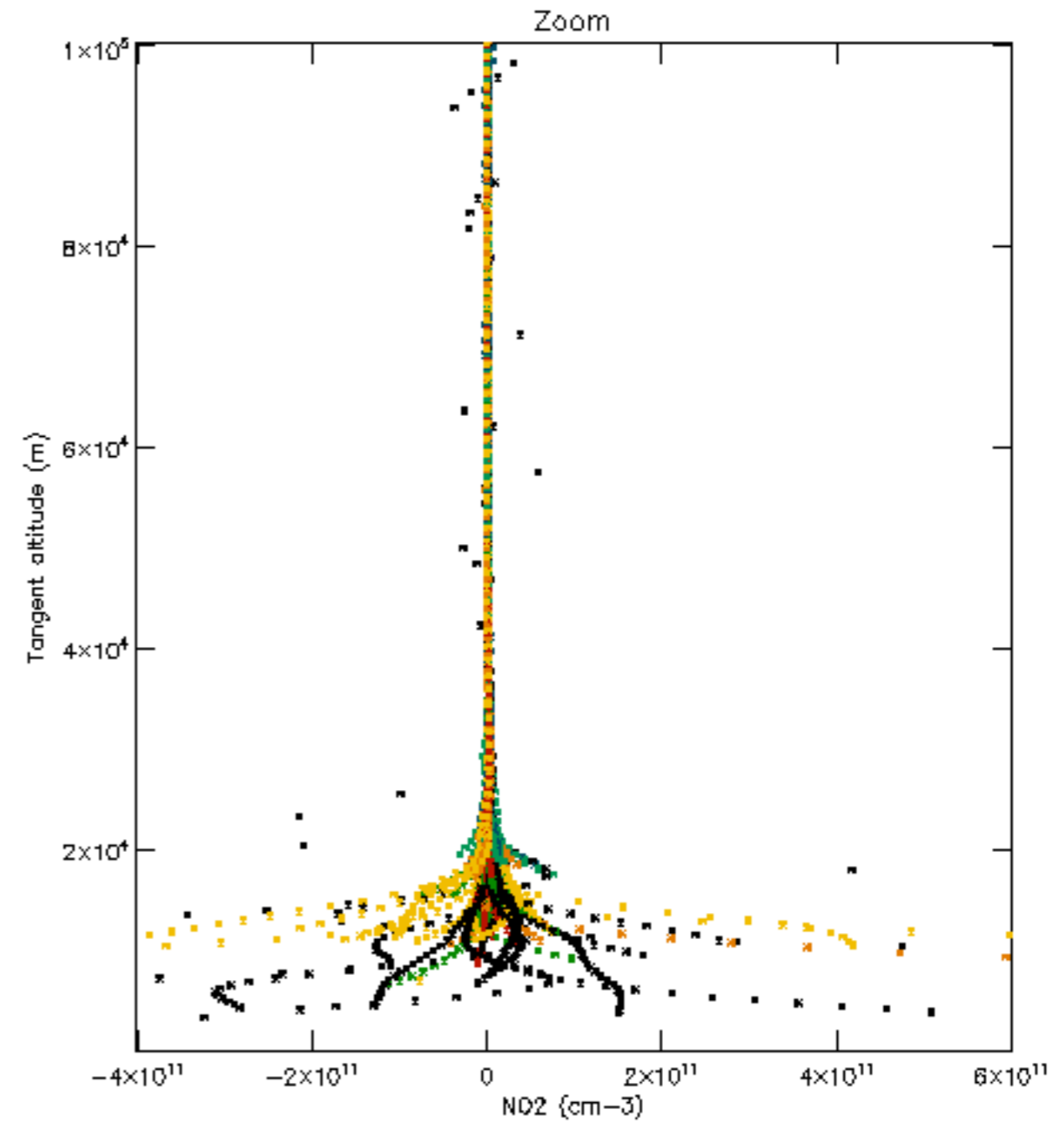
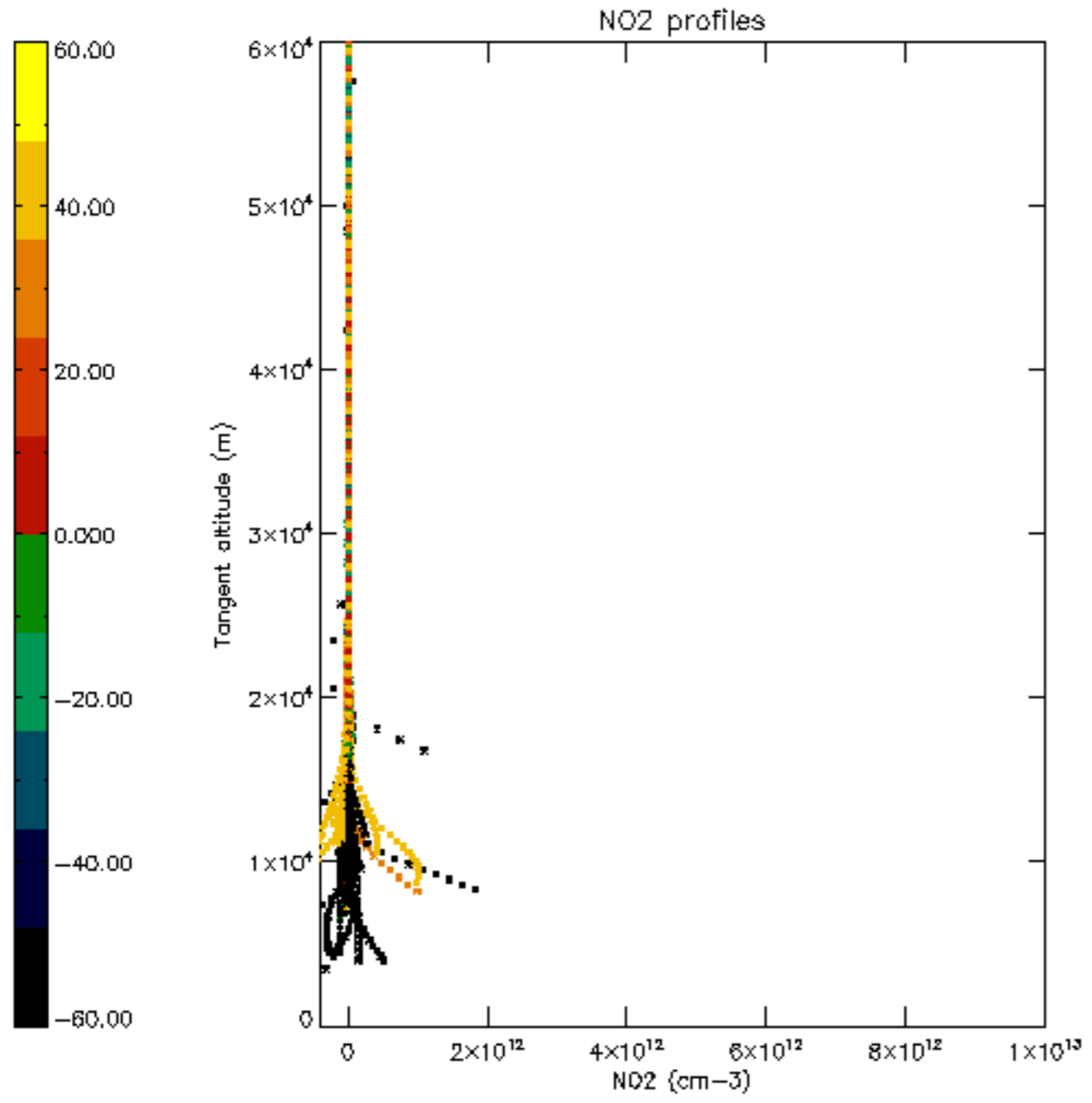


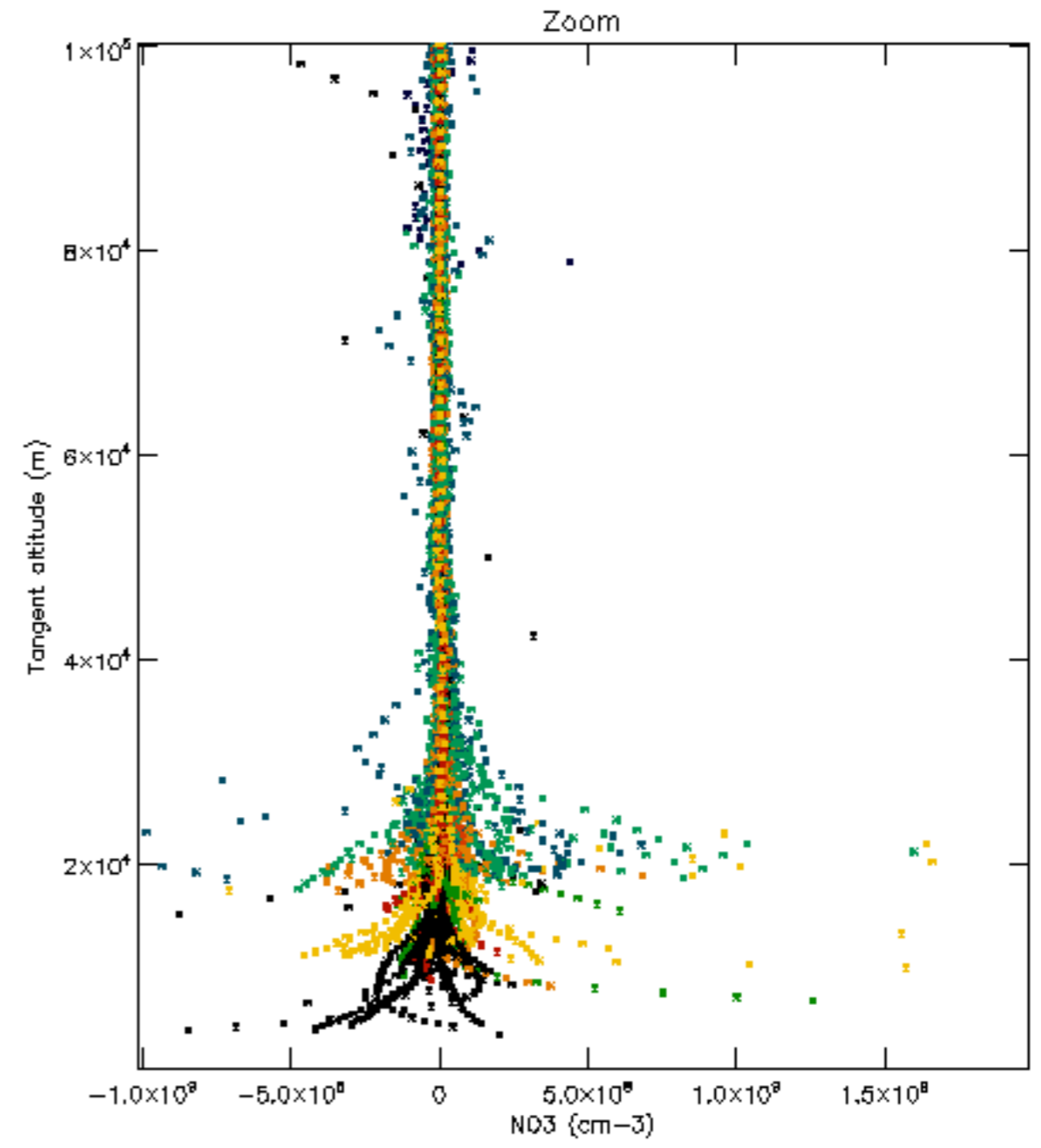
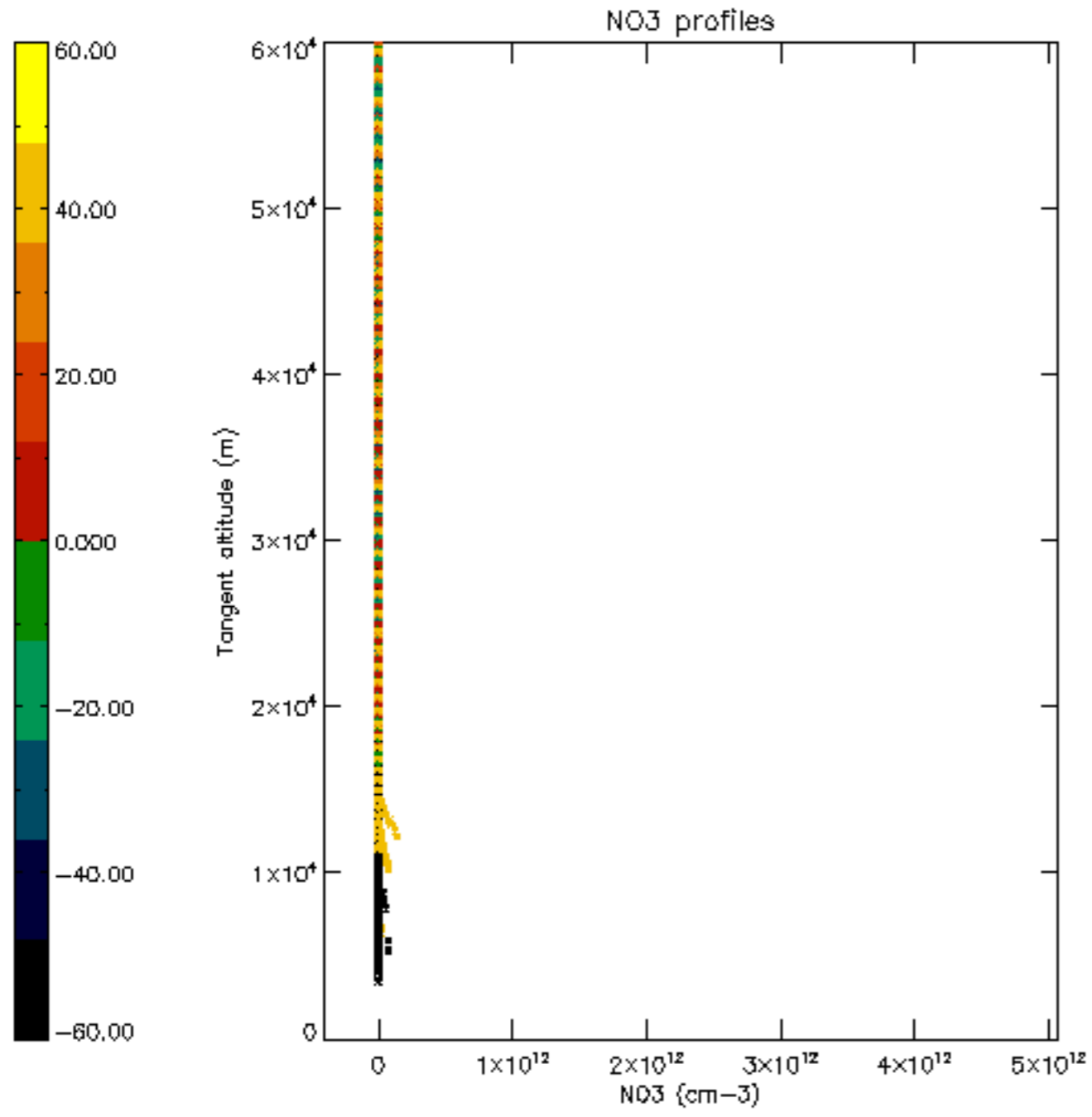


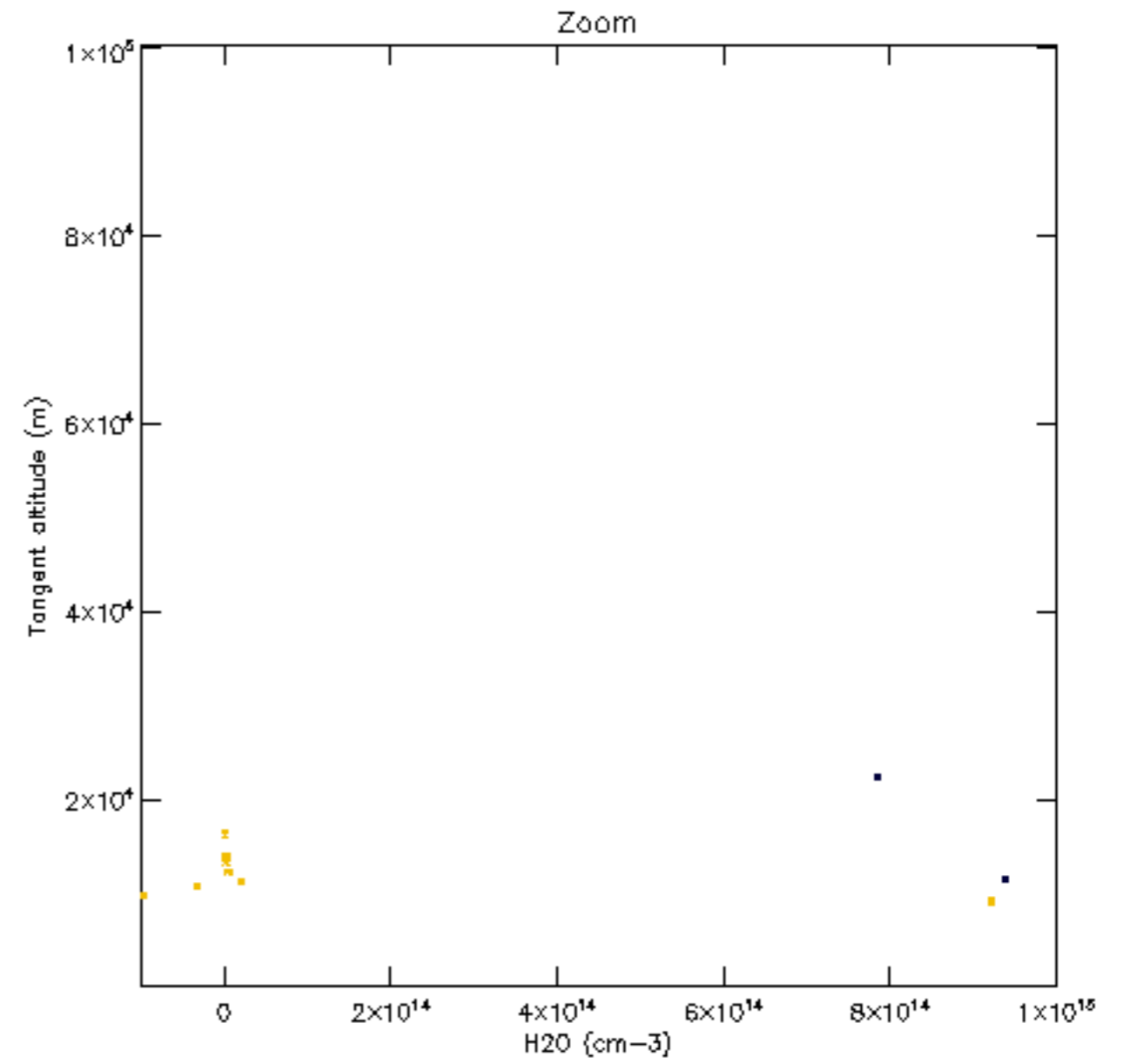
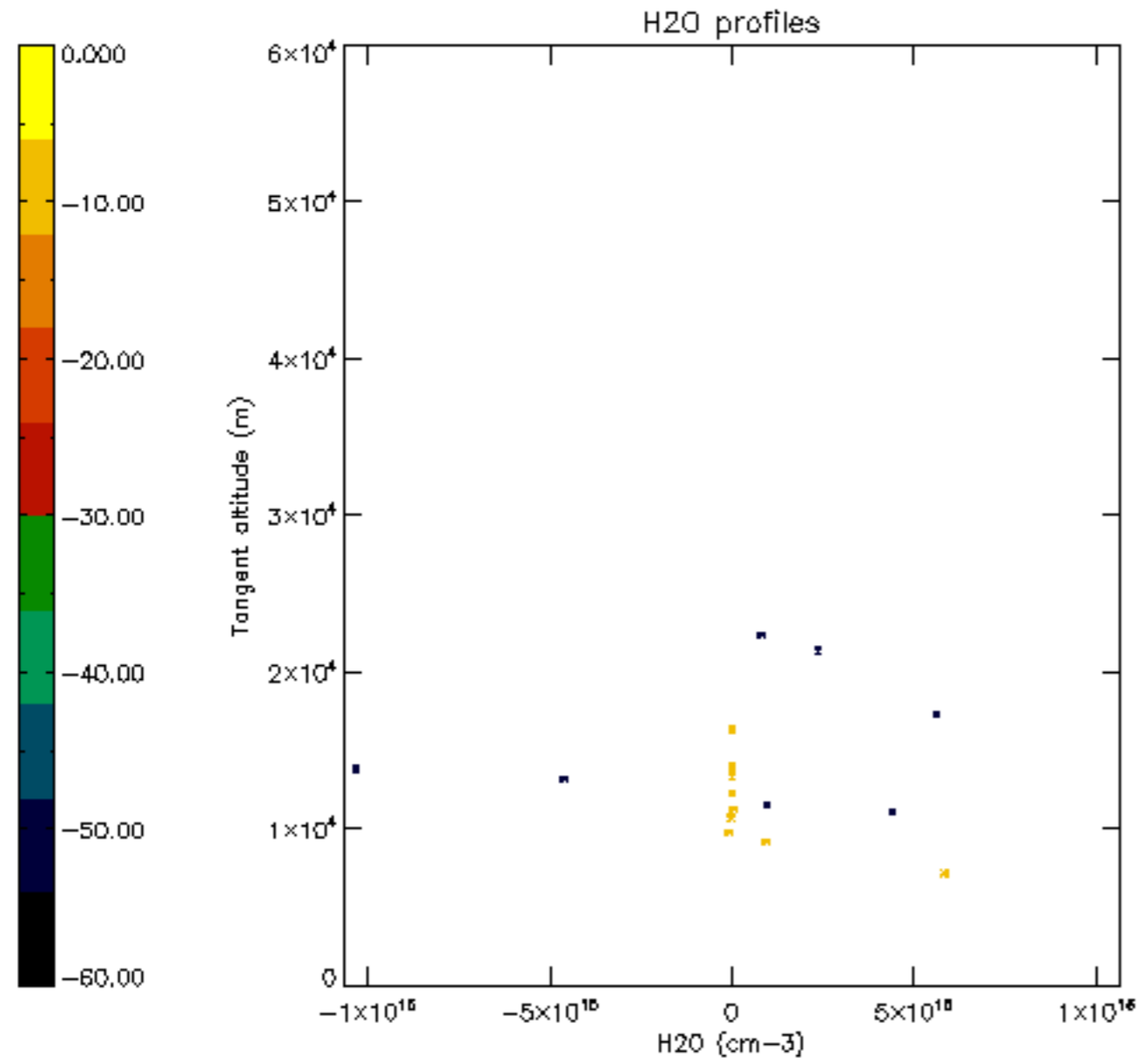


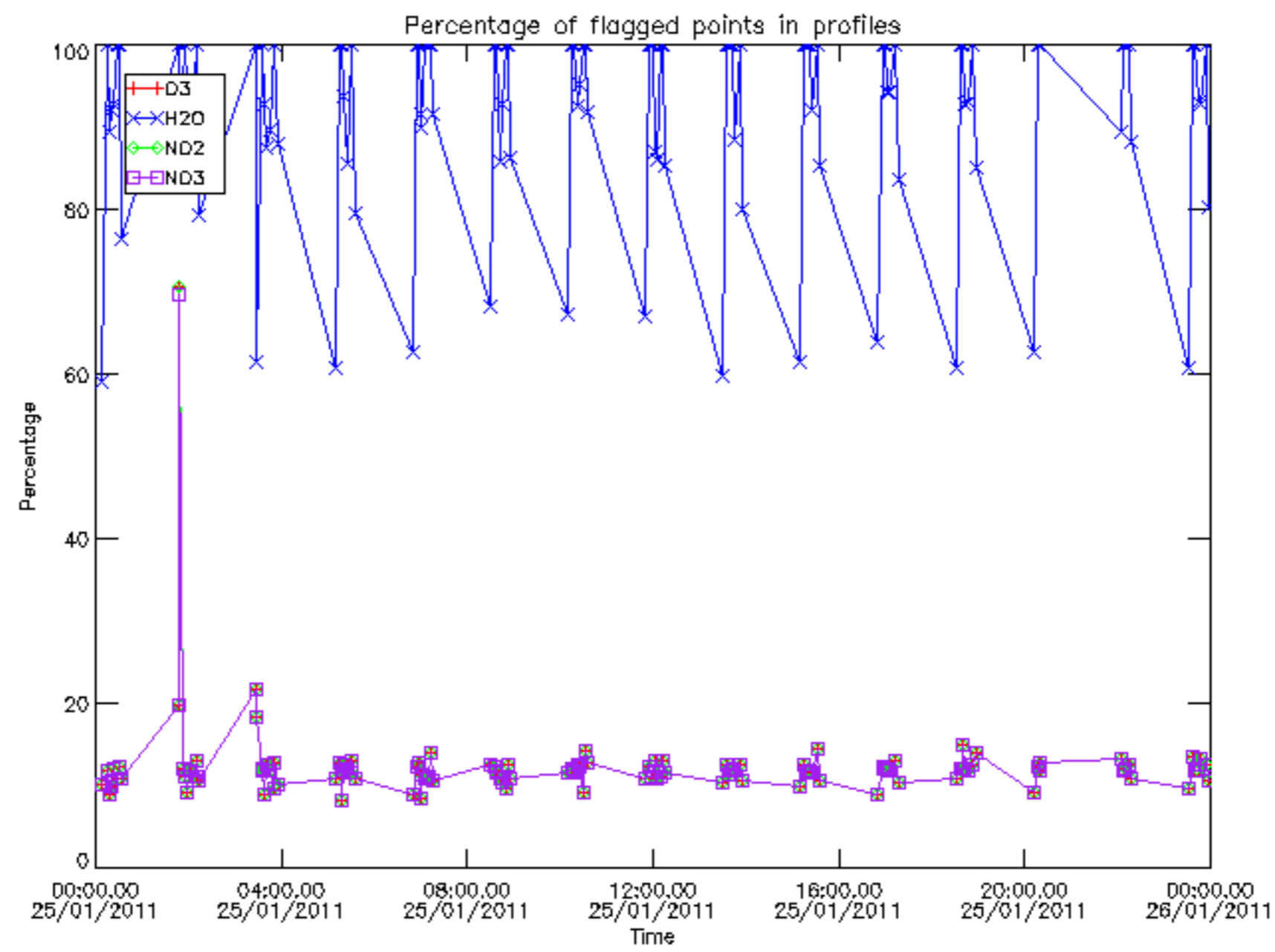




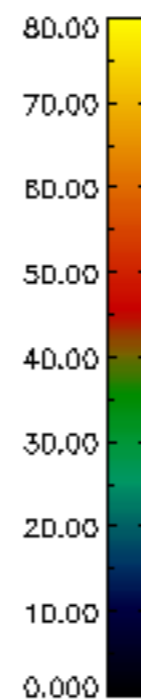
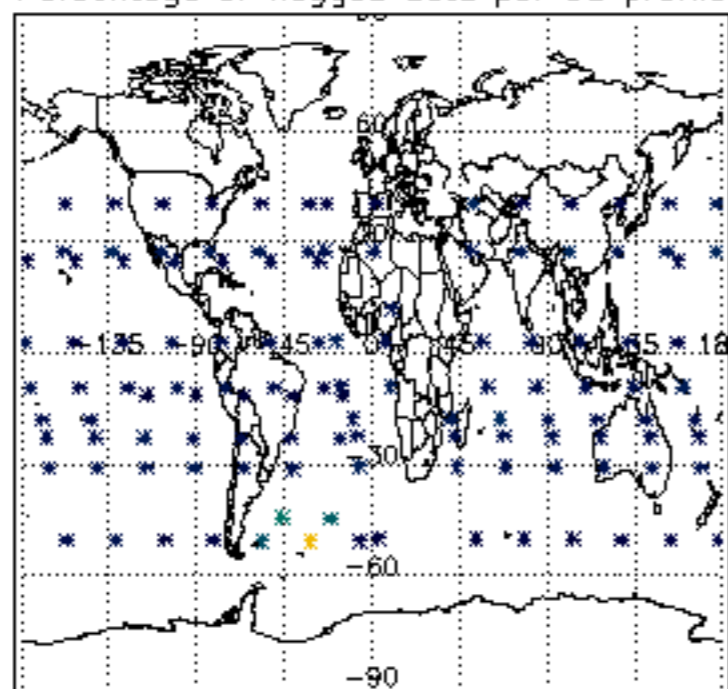




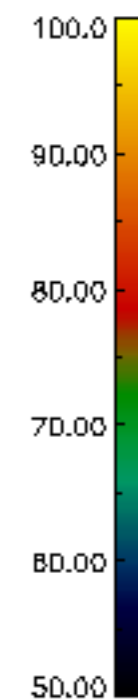
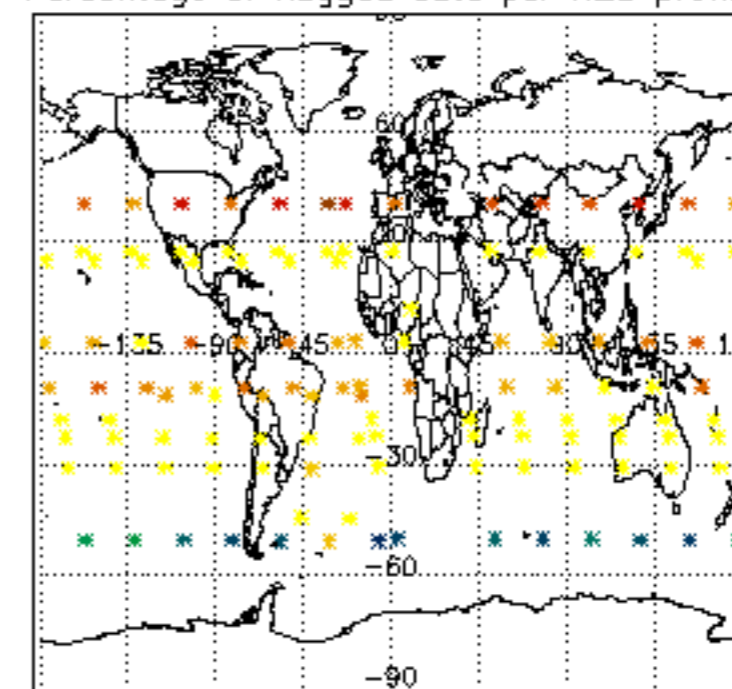




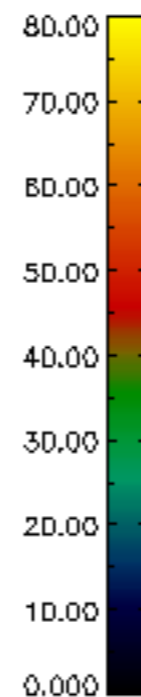
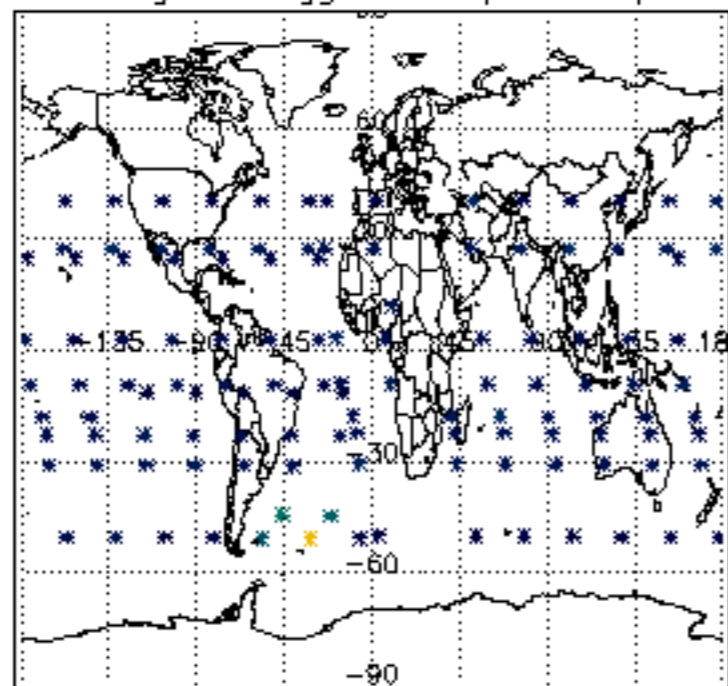
Percentage of flagged data per D3 profile



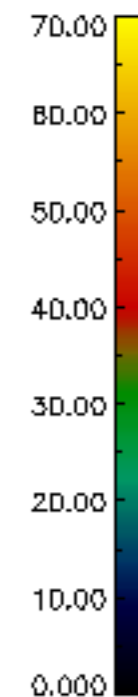
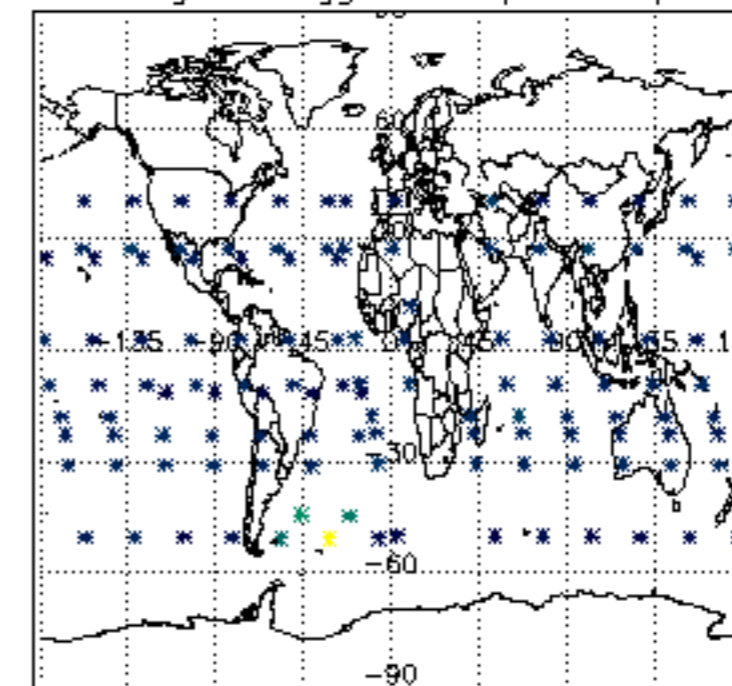
Percentage of flagged data per H2O profile

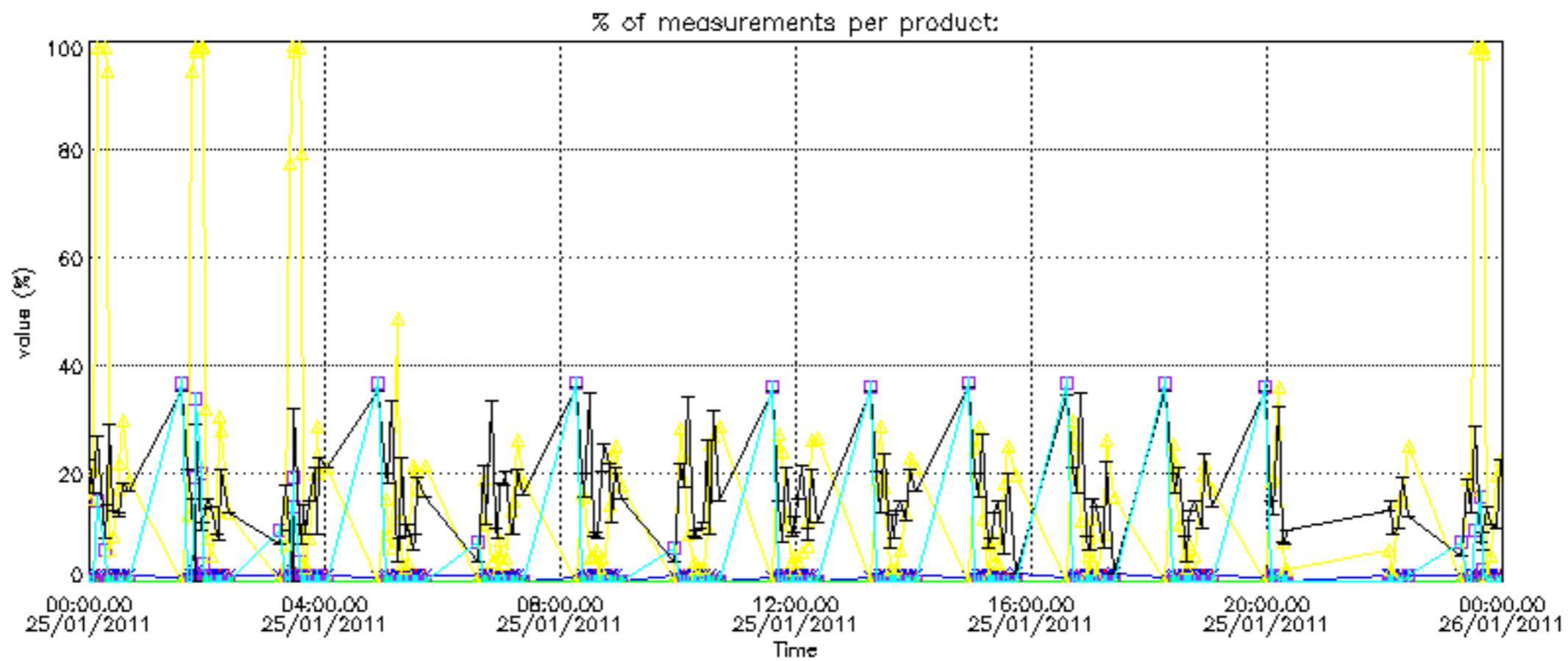


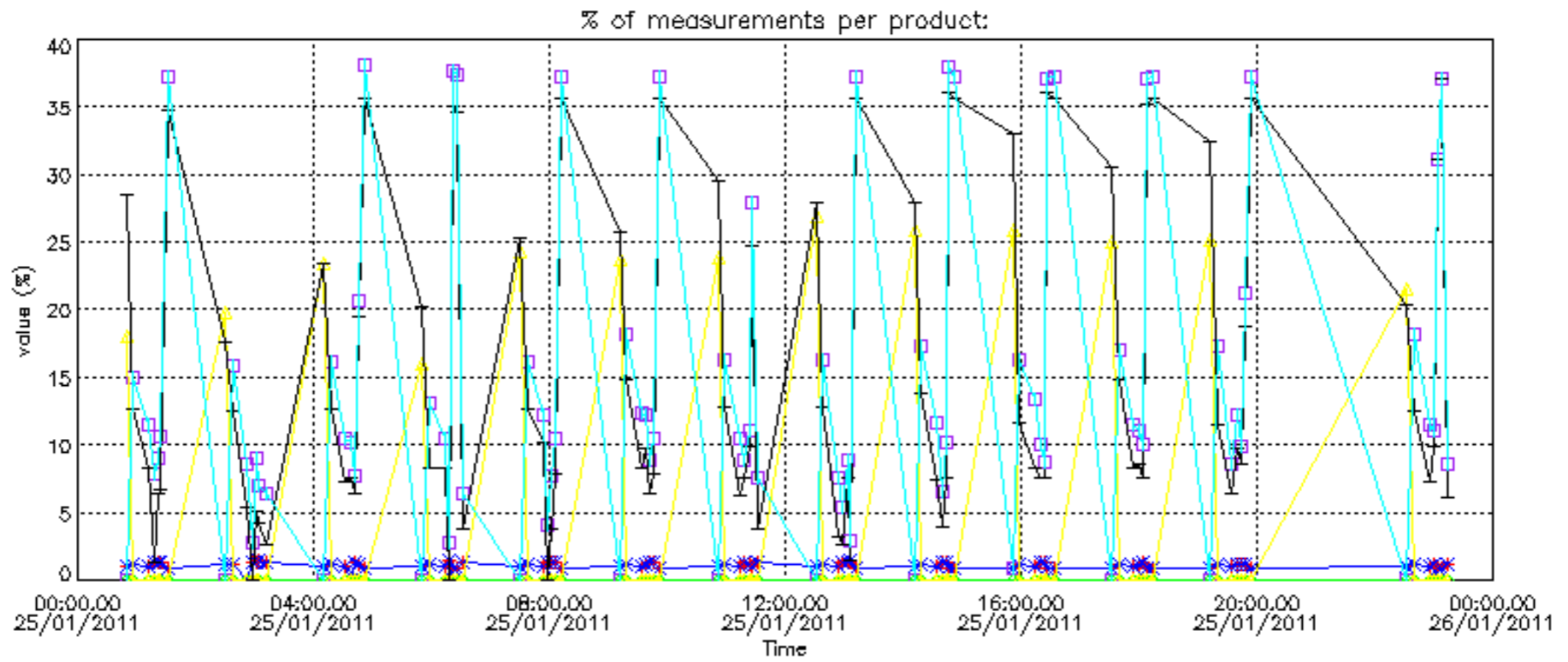
Percentage of flagged data per NO2 profile



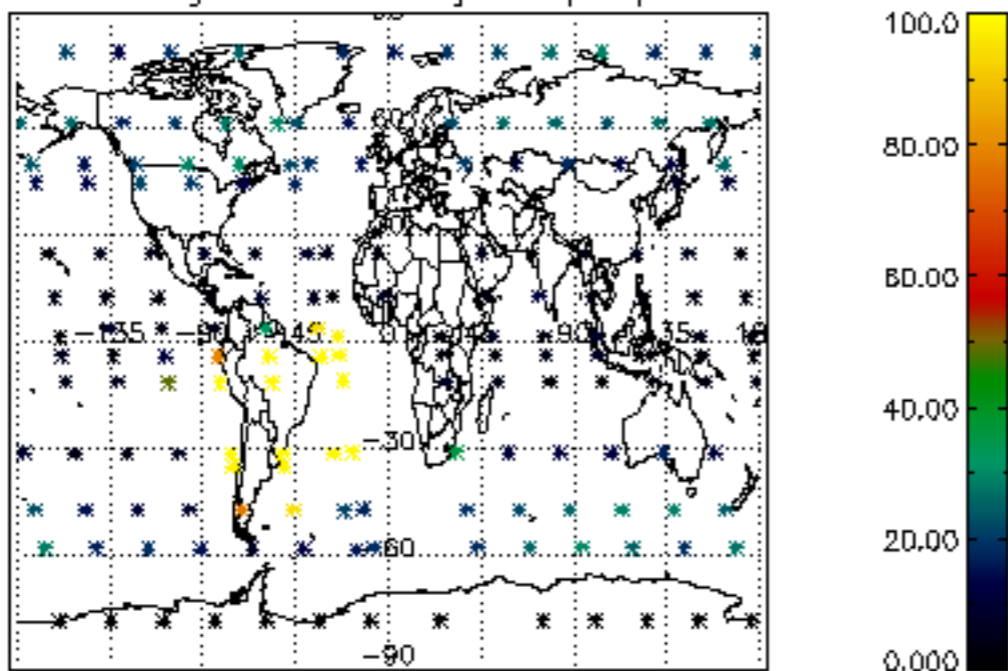
Percentage of flagged data per NO3 profile



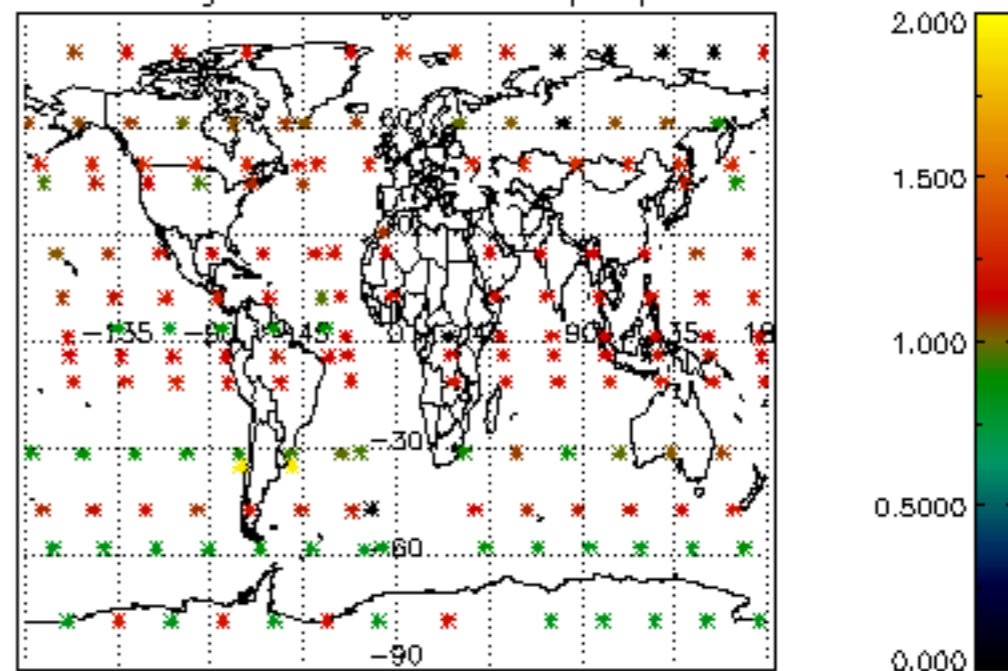




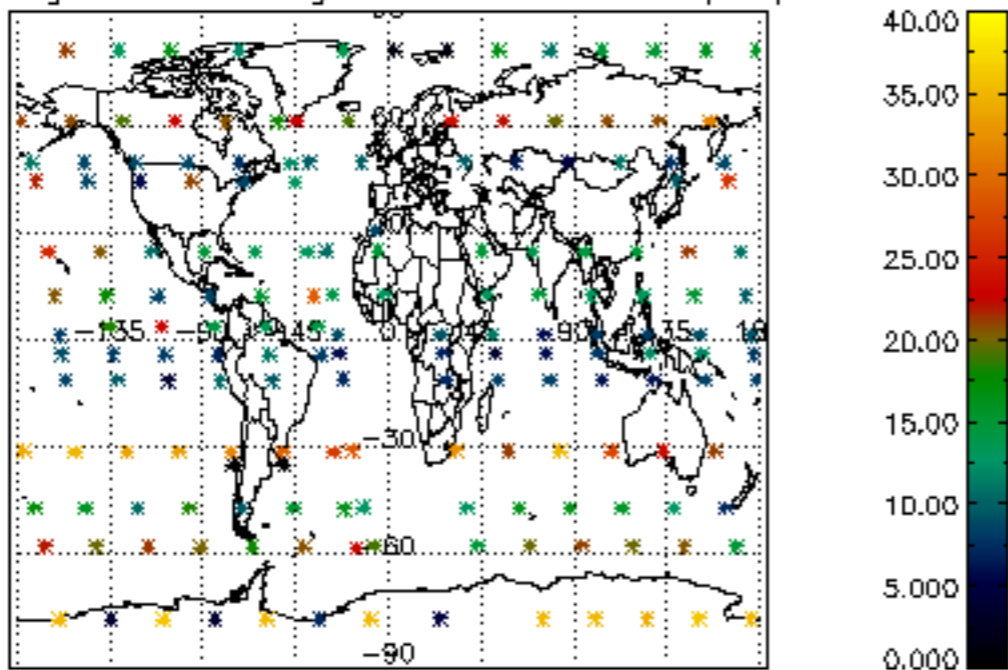
Percentage of cosmic ray hits per profile



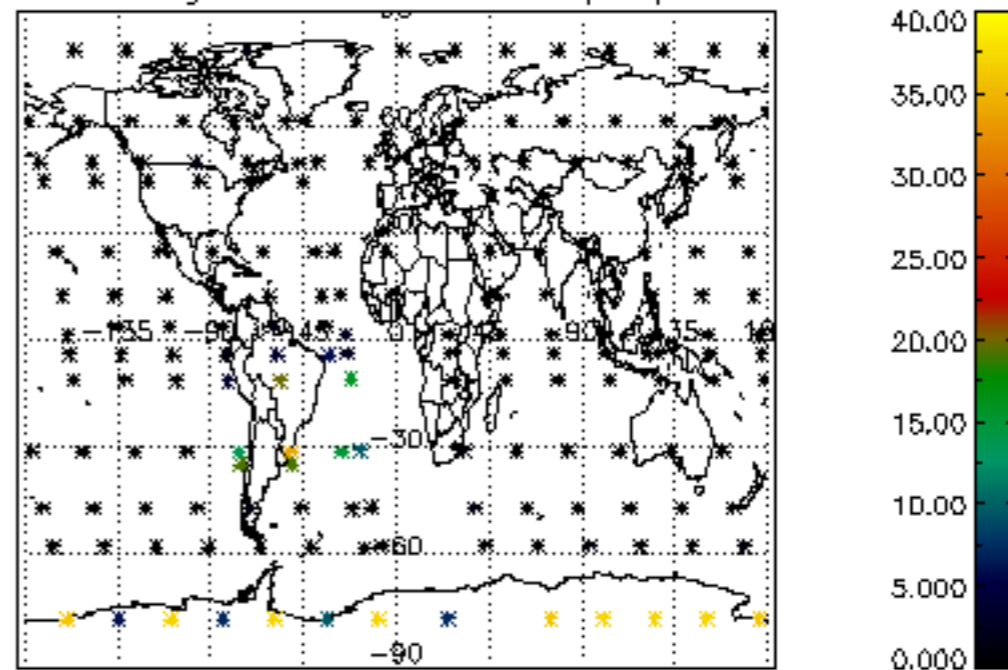
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

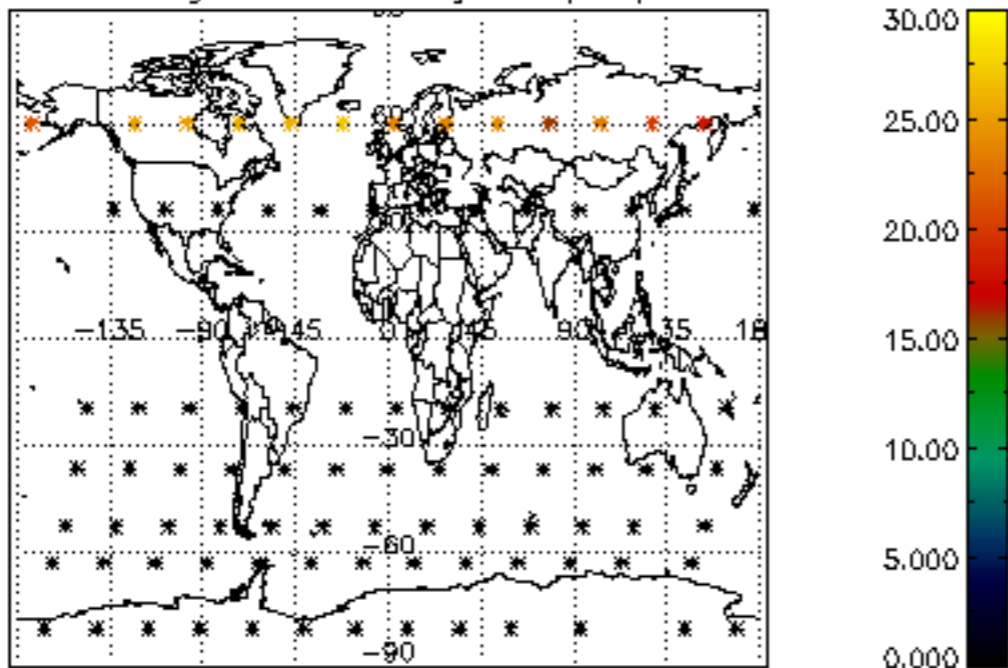


Percentage of saturation errors per profile

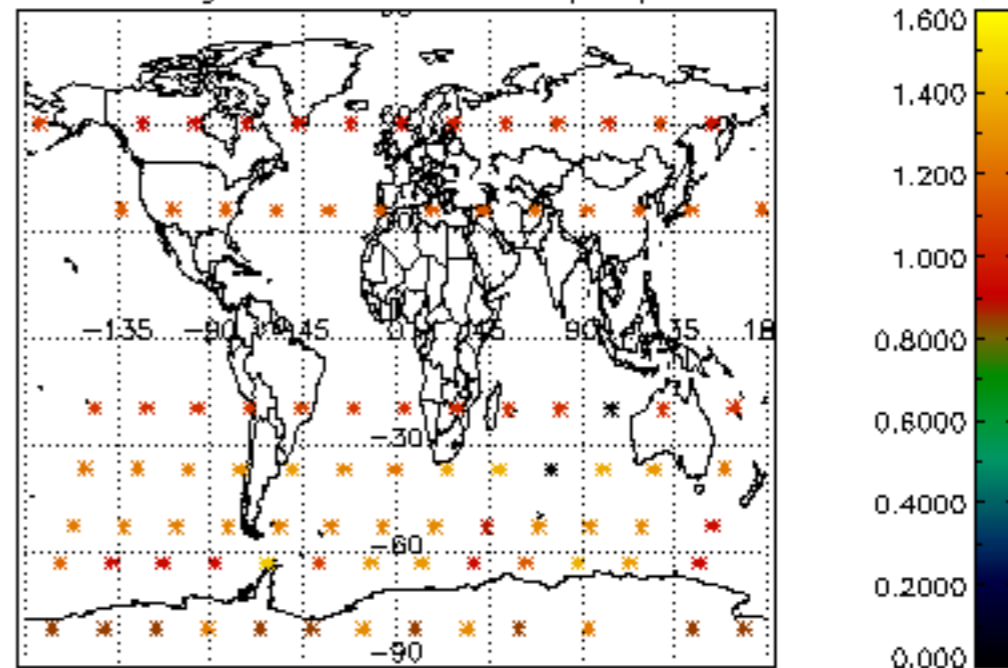




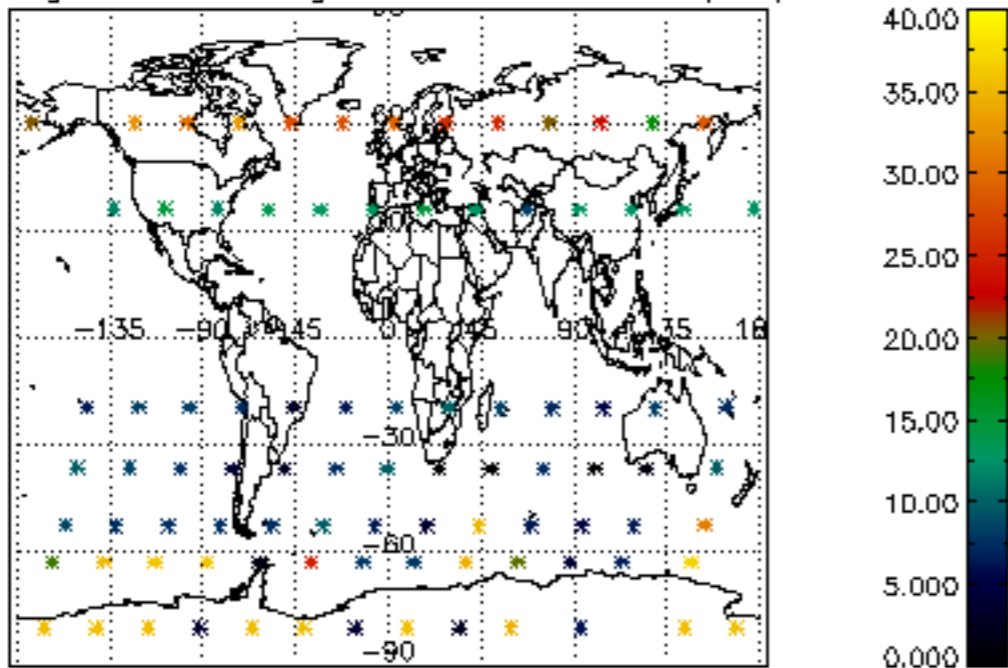
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

