

GOMOS Level 2 Daily Report

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This report presents the daily analysis on parameters extracted from GOMOS level 2 data (GOM_NL__2P). It is intended to monitor some important parameters that will impact the quality of these products. A list of level 2 products (and content) that have arrived during the reporting day to the PCF is also given.

| Item | Value |
|---------------------------|---------------------------------|
| Time of report generation | 26APR2013 09:49:03 |
| Data source version | GOMOS/6.01 |
| Start time of products | 28-05-2009 (28MAY2009 00:00:00) |
| Stop time of products | 29-05-2009 (29MAY2009 00:00:00) |
| Store outputs in DB | Yes |
| Nb of level 2 prods | 186 |
| 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__2PRFIN20090528_000338_000000362079_00231_37860_8390.N1 | 28-MAY-2009 00:03:38 | Bright | 36.000 | 86 | 35Eta Oph | 2.4300 | 10200. | 72 | 37860 | No |
| 2 | GOM_NL__2PRFIN20090528_000534_000000332079_00231_37860_8391.N1 | 28-MAY-2009 00:05:34 | Bright | 33.000 | 98 | 13Zet Oph | 2.5710 | 30000. | 66 | 37860 | No |
| 3 | GOM_NL__2PRFIN20090528_000748_000000322079_00231_37860_8392.N1 | 28-MAY-2009 00:07:48 | Bright | 31.500 | 120 | 1Del Oph | 2.7340 | 3200.0 | 63 | 37860 | No |
| 4 | GOM_NL__2PRFIN20090528_001619_000000362079_00231_37860_8393.N1 | 28-MAY-2009 00:16:19 | Bright | 36.000 | 127 | 27Bet Her | 2.7810 | 4700.0 | 72 | 37860 | No |
| 5 | GOM_NL__2PRFIN20090528_001952_000000372079_00231_37860_8394.N1 | 28-MAY-2009 00:19:52 | Bright | 36.500 | 133 | 40Zet Her | 2.8070 | 6000.0 | 73 | 37860 | No |
| 6 | GOM_NL__2PRFIN20090528_002728_000000362079_00231_37860_8395.N1 | 28-MAY-2009 00:27:28 | Bright | 36.000 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 72 | 37860 | No |
| 7 | GOM_NL__2PRFIN20090528_003814_000000332079_00231_37860_8396.N1 | 28-MAY-2009 00:38:14 | Twilight | 33.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 66 | 37860 | No |
| 8 | GOM_NL__2PRFIN20090528_005257_000000292079_00231_37860_8397.N1 | 28-MAY-2009 00:52:57 | Twilight | 28.500 | 58 | 21Alp And | 2.0730 | 11000. | 57 | 37860 | No |
| 9 | GOM_NL__2PRFIN20090528_005738_000000302079_00231_37860_8398.N1 | 28-MAY-2009 00:57:38 | Dark | 29.500 | 140 | 88Gam Peg | 2.8340 | 26000. | 59 | 37860 | No |
| 10 | GOM_NL__2PRFIN20090528_011439_000000392079_00231_37860_8399.N1 | 28-MAY-2009 01:14:39 | Dark | 38.500 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 77 | 37860 | No |
| 11 | GOM_NL__2PRFIN20090528_012021_000000422079_00232_37861_8405.N1 | 28-MAY-2009 01:20:21 | Dark | 41.500 | 172 | Gam Gru | 3.0030 | 13100. | 83 | 37861 | No |
| 12 | GOM_NL__2PRFIN20090528_013509_000000332079_00232_37861_8406.N1 | 28-MAY-2009 01:35:09 | Straylight | 33.000 | 178 | lot1Sco | 3.0220 | 6550.0 | 66 | 37861 | No |
| 13 | GOM_NL__2PRFIN20090528_013628_000000332079_00232_37861_8407.N1 | 28-MAY-2009 01:36:28 | Straylight | 33.000 | 25 | 35Lam Sco | 1.6200 | 28000. | 66 | 37861 | No |
| 14 | GOM_NL__2PRFIN20090528_014414_000000362079_00232_37861_8408.N1 | 28-MAY-2009 01:44:14 | Bright | 36.000 | 86 | 35Eta Oph | 2.4300 | 10200. | 72 | 37861 | No |
| 15 | GOM_NL__2PRFIN20090528_014609_000000332079_00232_37861_8409.N1 | 28-MAY-2009 01:46:09 | Bright | 33.000 | 98 | 13Zet Oph | 2.5710 | 30000. | 66 | 37861 | No |
| 16 | GOM_NL__2PRFIN20090528_014824_000000322079_00232_37861_8410.N1 | 28-MAY-2009 01:48:24 | Bright | 32.000 | 120 | 1Del Oph | 2.7340 | 3200.0 | 64 | 37861 | No |
| 17 | GOM_NL__2PRFIN20090528_015654_000000362079_00232_37861_8411.N1 | 28-MAY-2009 01:56:54 | Bright | 36.000 | 127 | 27Bet Her | 2.7810 | 4700.0 | 72 | 37861 | No |
| 18 | GOM_NL__2PRFIN20090528_020028_000000372079_00232_37861_8412.N1 | 28-MAY-2009 02:00:28 | Bright | 36.500 | 133 | 40Zet Her | 2.8070 | 6000.0 | 73 | 37861 | No |
| 19 | GOM_NL__2PRFIN20090528_020803_000000362079_00232_37861_8413.N1 | 28-MAY-2009 02:08:03 | Bright | 36.000 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 72 | 37861 | No |
| 20 | GOM_NL__2PRFIN20090528_021849_000000322079_00232_37861_8414.N1 | 28-MAY-2009 02:18:49 | Twilight | 32.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 64 | 37861 | No |
| 21 | GOM_NL__2PRFIN20090528_023333_000000282079_00232_37861_8415.N1 | 28-MAY-2009 02:33:33 | Twilight | 28.000 | 58 | 21Alp And | 2.0730 | 11000. | 56 | 37861 | No |
| 22 | GOM_NL__2PRFIN20090528_023815_000000292079_00232_37861_8416.N1 | 28-MAY-2009 02:38:15 | Dark | 29.000 | 140 | 88Gam Peg | 2.8340 | 26000. | 58 | 37861 | No |
| 23 | GOM_NL__2PRFIN20090528_025516_000000382079_00232_37861_8417.N1 | 28-MAY-2009 02:55:16 | Dark | 38.000 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 76 | 37861 | No |
| 24 | GOM_NL__2PRFIN20090528_030058_000000422079_00233_37862_8419.N1 | 28-MAY-2009 03:00:58 | Dark | 41.500 | 172 | Gam Gru | 3.0030 | 13100. | 83 | 37862 | No |
| 25 | GOM_NL__2PRFIN20090528_031545_000000342079_00233_37862_8420.N1 | 28-MAY-2009 03:15:45 | Straylight | 33.500 | 178 | lot1Sco | 3.0220 | 6550.0 | 67 | 37862 | No |
| 26 | GOM_NL__2PRFIN20090528_031704_000000342079_00233_37862_8421.N1 | 28-MAY-2009 03:17:04 | Twilight | 33.500 | 25 | 35Lam Sco | 1.6200 | 28000. | 67 | 37862 | No |
| 27 | GOM_NL__2PRFIN20090528_032450_000000362079_00233_37862_8422.N1 | 28-MAY-2009 03:24:50 | Bright | 36.000 | 86 | 35Eta Oph | 2.4300 | 10200. | 72 | 37862 | No |
| 28 | GOM_NL__2PRFIN20090528_032645_000000332079_00233_37862_8423.N1 | 28-MAY-2009 03:26:45 | Bright | 33.000 | 98 | 13Zet Oph | 2.5710 | 30000. | 66 | 37862 | No |
| 29 | GOM_NL__2PRFIN20090528_032900_000000322079_00233_37862_8424.N1 | 28-MAY-2009 03:29:00 | Bright | 31.500 | 120 | 1Del Oph | 2.7340 | 3200.0 | 63 | 37862 | No |
| 30 | GOM_NL__2PRFIN20090528_033730_000000362079_00233_37862_8425.N1 | 28-MAY-2009 03:37:30 | Bright | 35.500 | 127 | 27Bet Her | 2.7810 | 4700.0 | 71 | 37862 | No |
| 31 | GOM_NL__2PRFIN20090528_034103_000000372079_00233_37862_8426.N1 | 28-MAY-2009 03:41:03 | Bright | 36.500 | 133 | 40Zet Her | 2.8070 | 6000.0 | 73 | 37862 | No |
| 32 | GOM_NL__2PRFIN20090528_034838_000000362079_00233_37862_8427.N1 | 28-MAY-2009 03:48:38 | Bright | 36.000 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 72 | 37862 | No |
| 33 | GOM_NL__2PRFIN20090528_035925_000000332079_00233_37862_8428.N1 | 28-MAY-2009 03:59:25 | Twilight | 32.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 65 | 37862 | No |
| 34 | GOM_NL__2PRFIN20090528_041409_000000282079_00233_37862_8429.N1 | 28-MAY-2009 04:14:09 | Twilight | 28.000 | 58 | 21Alp And | 2.0730 | 11000. | 56 | 37862 | No |
| 35 | GOM_NL__2PRFIN20090528_041851_000000292079_00233_37862_8430.N1 | 28-MAY-2009 04:18:51 | Dark | 29.000 | 140 | 88Gam Peg | 2.8340 | 26000. | 58 | 37862 | No |
| 36 | GOM_NL__2PRFIN20090528_043553_000000392079_00233_37862_8431.N1 | 28-MAY-2009 04:35:53 | Dark | 38.500 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 77 | 37862 | No |
| 37 | GOM_NL__2PRFIN20090528_044135_000000422079_00234_37863_8433.N1 | 28-MAY-2009 04:41:35 | Dark | 41.500 | 172 | Gam Gru | 3.0030 | 13100. | 83 | 37863 | No |
| 38 | GOM_NL__2PRFIN20090528_045621_000000342079_00234_37863_8434.N1 | 28-MAY-2009 04:56:21 | Straylight | 33.500 | 178 | lot1Sco | 3.0220 | 6550.0 | 67 | 37863 | No |
| 39 | GOM_NL__2PRFIN20090528_045740_000000342079_00234_37863_8435.N1 | 28-MAY-2009 04:57:40 | Twilight | 33.500 | 25 | 35Lam Sco | 1.6200 | 28000. | 67 | 37863 | No |
| 40 | GOM_NL__2PRFIN20090528_050526_000000362079_00234_37863_8436.N1 | 28-MAY-2009 05:05:26 | Bright | 35.500 | 86 | 35Eta Oph | 2.4300 | 10200. | 71 | 37863 | No |
| 41 | GOM_NL__2PRFIN20090528_050721_000000332079_00234_37863_8437.N1 | 28-MAY-2009 05:07:21 | Bright | 33.000 | 98 | 13Zet Oph | 2.5710 | 30000. | 66 | 37863 | No |
| 42 | GOM_NL__2PRFIN20090528_050935_000000322079_00234_37863_8438.N1 | 28-MAY-2009 05:09:35 | Bright | 32.000 | 120 | 1Del Oph | 2.7340 | 3200.0 | 64 | 37863 | No |

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|-----|--|----------------------|----------------|--------|-----|-----------|--------|--------|----|-------|----|
| 43 | GOM_NL__2PRFIN20090528_051805_000000362079_00234_37863_8439.N1 | 28-MAY-2009 05:18:05 | Bright | 35.500 | 127 | 27Bet Her | 2.7810 | 4700.0 | 71 | 37863 | No |
| 44 | GOM_NL__2PRFIN20090528_052138_000000372079_00234_37863_8440.N1 | 28-MAY-2009 05:21:38 | Bright | 36.500 | 133 | 40Zet Her | 2.8070 | 6000.0 | 73 | 37863 | No |
| 45 | GOM_NL__2PRFIN20090528_052914_000000362079_00234_37863_8441.N1 | 28-MAY-2009 05:29:14 | Bright | 36.000 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 72 | 37863 | No |
| 46 | GOM_NL__2PRFIN20090528_054000_000000332079_00234_37863_8442.N1 | 28-MAY-2009 05:40:00 | Tw_i_and_stray | 32.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 65 | 37863 | No |
| 47 | GOM_NL__2PRFIN20090528_055446_000000282079_00234_37863_8443.N1 | 28-MAY-2009 05:54:46 | Tw_i_and_stray | 28.000 | 58 | 21Alp And | 2.0730 | 11000. | 56 | 37863 | No |
| 48 | GOM_NL__2PRFIN20090528_055927_000000292079_00234_37863_8444.N1 | 28-MAY-2009 05:59:27 | Dark | 29.000 | 140 | 88Gam Peg | 2.8340 | 26000. | 58 | 37863 | No |
| 49 | GOM_NL__2PRFIN20090528_061630_000000392079_00234_37863_8445.N1 | 28-MAY-2009 06:16:30 | Dark | 38.500 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 77 | 37863 | No |
| 50 | GOM_NL__2PRFIN20090528_062212_000000422079_00235_37864_8447.N1 | 28-MAY-2009 06:22:12 | Dark | 41.500 | 172 | Gam Gru | 3.0030 | 13100. | 83 | 37864 | No |
| 51 | GOM_NL__2PRFIN20090528_063658_000000342079_00235_37864_8448.N1 | 28-MAY-2009 06:36:58 | Straylight | 33.500 | 178 | lot1Sco | 3.0220 | 6550.0 | 67 | 37864 | No |
| 52 | GOM_NL__2PRFIN20090528_063817_000000332079_00235_37864_8449.N1 | 28-MAY-2009 06:38:17 | Tw_i_and_stray | 32.500 | 25 | 35Lam Sco | 1.6200 | 28000. | 65 | 37864 | No |
| 53 | GOM_NL__2PRFIN20090528_064602_000000362079_00235_37864_8450.N1 | 28-MAY-2009 06:46:02 | Bright | 35.500 | 86 | 35Eta Oph | 2.4300 | 10200. | 71 | 37864 | No |
| 54 | GOM_NL__2PRFIN20090528_064758_000000322079_00235_37864_8451.N1 | 28-MAY-2009 06:47:58 | Bright | 32.000 | 98 | 13Zet Oph | 2.5710 | 30000. | 64 | 37864 | No |
| 55 | GOM_NL__2PRFIN20090528_065012_000000312079_00235_37864_8452.N1 | 28-MAY-2009 06:50:12 | Bright | 31.000 | 120 | 1Del Oph | 2.7340 | 3200.0 | 62 | 37864 | No |
| 56 | GOM_NL__2PRFIN20090528_065841_000000362079_00235_37864_8453.N1 | 28-MAY-2009 06:58:41 | Bright | 35.500 | 127 | 27Bet Her | 2.7810 | 4700.0 | 71 | 37864 | No |
| 57 | GOM_NL__2PRFIN20090528_070214_000000372079_00235_37864_8454.N1 | 28-MAY-2009 07:02:14 | Bright | 36.500 | 133 | 40Zet Her | 2.8070 | 6000.0 | 73 | 37864 | No |
| 58 | GOM_NL__2PRFIN20090528_070949_000000362079_00235_37864_8455.N1 | 28-MAY-2009 07:09:49 | Bright | 36.000 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 72 | 37864 | No |
| 59 | GOM_NL__2PRFIN20090528_072036_000000322079_00235_37864_8456.N1 | 28-MAY-2009 07:20:36 | Tw_i_and_stray | 32.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 64 | 37864 | No |
| 60 | GOM_NL__2PRFIN20090528_073522_000000282079_00235_37864_8457.N1 | 28-MAY-2009 07:35:22 | Tw_i_and_stray | 28.000 | 58 | 21Alp And | 2.0730 | 11000. | 56 | 37864 | No |
| 61 | GOM_NL__2PRFIN20090528_074004_000000292079_00235_37864_8458.N1 | 28-MAY-2009 07:40:04 | Dark | 29.000 | 140 | 88Gam Peg | 2.8340 | 26000. | 58 | 37864 | No |
| 62 | GOM_NL__2PRFIN20090528_075707_000000392079_00235_37864_8459.N1 | 28-MAY-2009 07:57:07 | Dark | 38.500 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 77 | 37864 | No |
| 63 | GOM_NL__2PRFIN20090528_080249_000000422079_00236_37865_8466.N1 | 28-MAY-2009 08:02:49 | Dark | 41.500 | 172 | Gam Gru | 3.0030 | 13100. | 83 | 37865 | No |
| 64 | GOM_NL__2PRFIN20090528_081734_000000332079_00236_37865_8467.N1 | 28-MAY-2009 08:17:34 | Straylight | 33.000 | 178 | lot1Sco | 3.0220 | 6550.0 | 66 | 37865 | No |
| 65 | GOM_NL__2PRFIN20090528_081853_000000332079_00236_37865_8468.N1 | 28-MAY-2009 08:18:53 | Tw_i_and_stray | 33.000 | 25 | 35Lam Sco | 1.6200 | 28000. | 66 | 37865 | No |
| 66 | GOM_NL__2PRFIN20090528_082638_000000362079_00236_37865_8469.N1 | 28-MAY-2009 08:26:38 | Bright | 35.500 | 86 | 35Eta Oph | 2.4300 | 10200. | 71 | 37865 | No |
| 67 | GOM_NL__2PRFIN20090528_082834_000000322079_00236_37865_8470.N1 | 28-MAY-2009 08:28:34 | Bright | 32.000 | 98 | 13Zet Oph | 2.5710 | 30000. | 64 | 37865 | No |
| 68 | GOM_NL__2PRFIN20090528_083047_000000322079_00236_37865_8471.N1 | 28-MAY-2009 08:30:47 | Bright | 31.500 | 120 | 1Del Oph | 2.7340 | 3200.0 | 63 | 37865 | No |
| 69 | GOM_NL__2PRFIN20090528_083916_000000362079_00236_37865_8472.N1 | 28-MAY-2009 08:39:16 | Bright | 35.500 | 127 | 27Bet Her | 2.7810 | 4700.0 | 71 | 37865 | No |
| 70 | GOM_NL__2PRFIN20090528_084250_000000362079_00236_37865_8473.N1 | 28-MAY-2009 08:42:50 | Bright | 36.000 | 133 | 40Zet Her | 2.8070 | 6000.0 | 72 | 37865 | No |
| 71 | GOM_NL__2PRFIN20090528_085024_000000362079_00236_37865_8474.N1 | 28-MAY-2009 08:50:24 | Bright | 36.000 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 72 | 37865 | No |
| 72 | GOM_NL__2PRFIN20090528_090111_000000332079_00236_37865_8475.N1 | 28-MAY-2009 09:01:11 | Tw_i_and_stray | 32.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 65 | 37865 | No |
| 73 | GOM_NL__2PRFIN20090528_091558_000000282079_00236_37865_8476.N1 | 28-MAY-2009 09:15:58 | Tw_i_and_stray | 28.000 | 58 | 21Alp And | 2.0730 | 11000. | 56 | 37865 | No |
| 74 | GOM_NL__2PRFIN20090528_092040_000000292079_00236_37865_8477.N1 | 28-MAY-2009 09:20:40 | Dark | 29.000 | 140 | 88Gam Peg | 2.8340 | 26000. | 58 | 37865 | No |
| 75 | GOM_NL__2PRFIN20090528_093744_000000392079_00236_37865_8478.N1 | 28-MAY-2009 09:37:44 | Dark | 39.000 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 78 | 37865 | No |
| 76 | GOM_NL__2PRFIN20090528_094327_000000422079_00237_37866_8466.N1 | 28-MAY-2009 09:43:27 | Dark | 42.000 | 172 | Gam Gru | 3.0030 | 13100. | 84 | 37866 | No |
| 77 | GOM_NL__2PRFIN20090528_095811_000000332079_00237_37866_8467.N1 | 28-MAY-2009 09:58:11 | Straylight | 33.000 | 178 | lot1Sco | 3.0220 | 6550.0 | 66 | 37866 | No |
| 78 | GOM_NL__2PRFIN20090528_095930_000000332079_00237_37866_8468.N1 | 28-MAY-2009 09:59:30 | Tw_i_and_stray | 33.000 | 25 | 35Lam Sco | 1.6200 | 28000. | 66 | 37866 | No |
| 79 | GOM_NL__2PRFIN20090528_100714_000000362079_00237_37866_8469.N1 | 28-MAY-2009 10:07:14 | Bright | 35.500 | 86 | 35Eta Oph | 2.4300 | 10200. | 71 | 37866 | No |
| 80 | GOM_NL__2PRFIN20090528_100909_000000332079_00237_37866_8470.N1 | 28-MAY-2009 10:09:09 | Bright | 32.500 | 98 | 13Zet Oph | 2.5710 | 30000. | 65 | 37866 | No |
| 81 | GOM_NL__2PRFIN20090528_101123_000000312079_00237_37866_8471.N1 | 28-MAY-2009 10:11:23 | Bright | 31.000 | 120 | 1Del Oph | 2.7340 | 3200.0 | 62 | 37866 | No |
| 82 | GOM_NL__2PRFIN20090528_101951_000000362079_00237_37866_8472.N1 | 28-MAY-2009 10:19:51 | Bright | 35.500 | 127 | 27Bet Her | 2.7810 | 4700.0 | 71 | 37866 | No |
| 83 | GOM_NL__2PRFIN20090528_102324_000000362079_00237_37866_8473.N1 | 28-MAY-2009 10:23:24 | Bright | 36.000 | 133 | 40Zet Her | 2.8070 | 6000.0 | 72 | 37866 | No |
| 84 | GOM_NL__2PRFIN20090528_103059_000000362079_00237_37866_8474.N1 | 28-MAY-2009 10:30:59 | Bright | 36.000 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 72 | 37866 | No |
| 85 | GOM_NL__2PRFIN20090528_104146_000000332079_00237_37866_8475.N1 | 28-MAY-2009 10:41:46 | Tw_i_and_stray | 32.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 65 | 37866 | No |
| 86 | GOM_NL__2PRFIN20090528_105634_000000282079_00237_37866_8476.N1 | 28-MAY-2009 10:56:34 | Tw_i_and_stray | 28.000 | 58 | 21Alp And | 2.0730 | 11000. | 56 | 37866 | No |
| 87 | GOM_NL__2PRFIN20090528_110116_000000292079_00237_37866_8477.N1 | 28-MAY-2009 11:01:16 | Dark | 29.000 | 140 | 88Gam Peg | 2.8340 | 26000. | 58 | 37866 | No |
| 88 | GOM_NL__2PRFIN20090528_111821_000000392079_00237_37866_8478.N1 | 28-MAY-2009 11:18:21 | Dark | 38.500 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 77 | 37866 | No |
| 89 | GOM_NL__2PRFIN20090528_112404_000000422079_00238_37867_8477.N1 | 28-MAY-2009 11:24:04 | Dark | 41.500 | 172 | Gam Gru | 3.0030 | 13100. | 83 | 37867 | No |
| 90 | GOM_NL__2PRFIN20090528_113848_000000332079_00238_37867_8478.N1 | 28-MAY-2009 11:38:48 | Straylight | 32.500 | 178 | lot1Sco | 3.0220 | 6550.0 | 65 | 37867 | No |
| 91 | GOM_NL__2PRFIN20090528_114006_000000332079_00238_37867_8479.N1 | 28-MAY-2009 11:40:06 | Tw_i_and_stray | 32.500 | 25 | 35Lam Sco | 1.6200 | 28000. | 65 | 37867 | No |
| 92 | GOM_NL__2PRFIN20090528_114750_000000352079_00238_37867_8480.N1 | 28-MAY-2009 11:47:50 | Bright | 35.000 | 86 | 35Eta Oph | 2.4300 | 10200. | 70 | 37867 | No |
| 93 | GOM_NL__2PRFIN20090528_114945_000000322079_00238_37867_8481.N1 | 28-MAY-2009 11:49:45 | Bright | 32.000 | 98 | 13Zet Oph | 2.5710 | 30000. | 64 | 37867 | No |
| 94 | GOM_NL__2PRFIN20090528_115159_000000312079_00238_37867_8482.N1 | 28-MAY-2009 11:51:59 | Bright | 31.000 | 120 | 1Del Oph | 2.7340 | 3200.0 | 62 | 37867 | No |
| 95 | GOM_NL__2PRFIN20090528_120027_000000362079_00238_37867_8483.N1 | 28-MAY-2009 12:00:27 | Bright | 35.500 | 127 | 27Bet Her | 2.7810 | 4700.0 | 71 | 37867 | No |
| 96 | GOM_NL__2PRFIN20090528_120400_000000362079_00238_37867_8484.N1 | 28-MAY-2009 12:04:00 | Bright | 36.000 | 133 | 40Zet Her | 2.8070 | 6000.0 | 72 | 37867 | No |
| 97 | GOM_NL__2PRFIN20090528_121135_000000362079_00238_37867_8485.N1 | 28-MAY-2009 12:11:35 | Bright | 36.000 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 72 | 37867 | No |
| 98 | GOM_NL__2PRFIN20090528_122222_000000332079_00238_37867_8486.N1 | 28-MAY-2009 12:22:22 | Tw_i_and_stray | 32.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 65 | 37867 | No |
| 99 | GOM_NL__2PRFIN20090528_123710_000000282079_00238_37867_8487.N1 | 28-MAY-2009 12:37:10 | Tw_i_and_stray | 28.000 | 58 | 21Alp And | 2.0730 | 11000. | 56 | 37867 | No |
| 100 | GOM_NL__2PRFIN20090528_124153_000000292079_00238_37867_8488.N1 | 28-MAY-2009 12:41:53 | Dark | 29.000 | 140 | 88Gam Peg | 2.8340 | 26000. | 58 | 37867 | No |
| 101 | GOM_NL__2PRFIN20090528_125858_000000392079_00238_37867_8489.N1 | 28-MAY-2009 12:58:58 | Dark | 38.500 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 77 | 37867 | No |

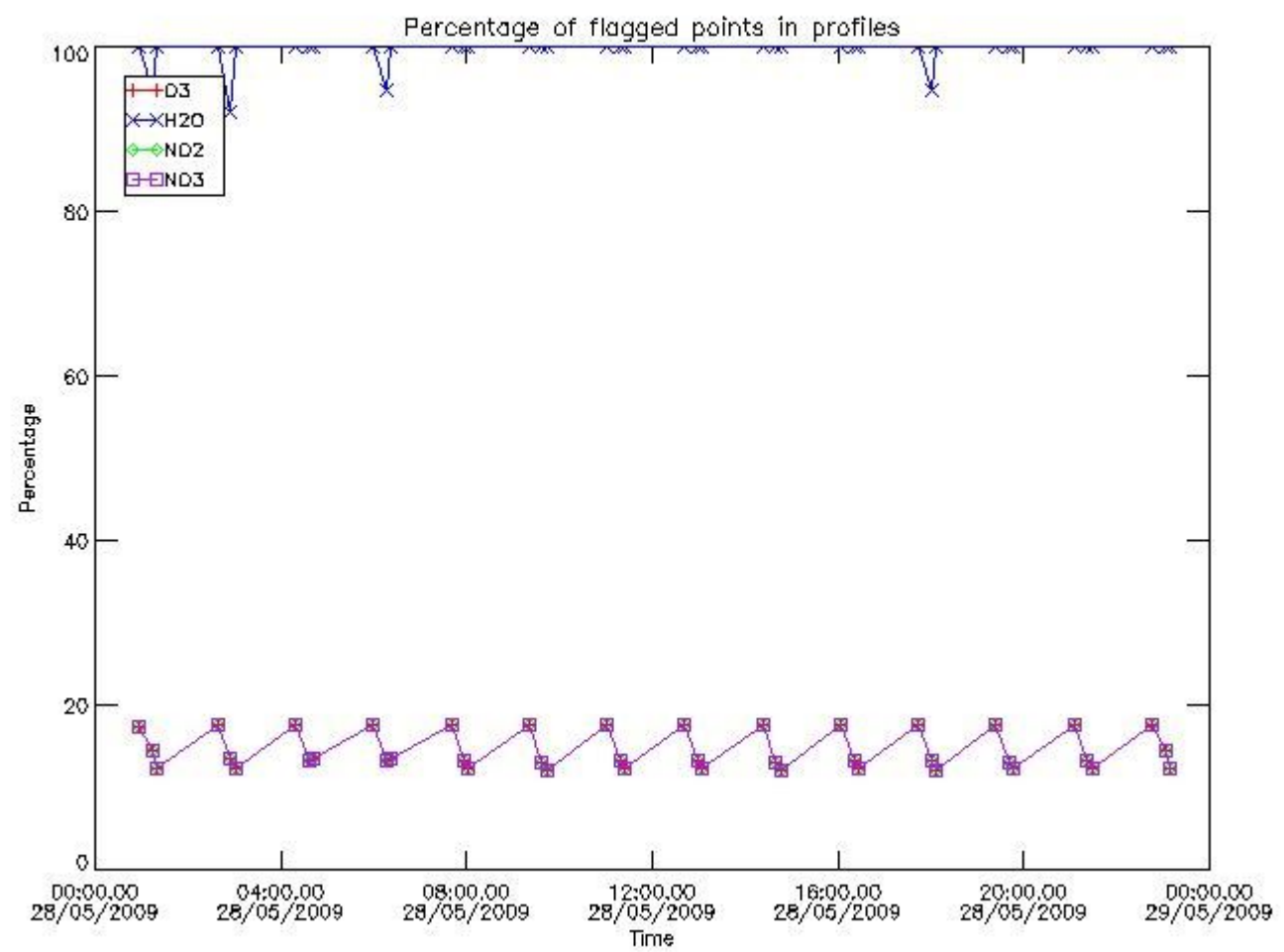
| | | | | | | | | | | | |
|-----|--|----------------------|--------------------|--------|-----|-----------|--------|--------|----|-------|----|
| 102 | GOM_NL__2PRFIN20090528_130441_000000422079_00239_37868_8523.N1 | 28-MAY-2009 13:04:41 | Dark | 41.500 | 172 | Gam Gru | 3.0030 | 13100. | 83 | 37868 | No |
| 103 | GOM_NL__2PRFIN20090528_131924_000000332079_00239_37868_8524.N1 | 28-MAY-2009 13:19:24 | Straylight | 33.000 | 178 | lot1Sco | 3.0220 | 6550.0 | 66 | 37868 | No |
| 104 | GOM_NL__2PRFIN20090528_132042_000000322079_00239_37868_8525.N1 | 28-MAY-2009 13:20:42 | Twilight_and_stray | 32.000 | 25 | 35Lam Sco | 1.6200 | 28000. | 64 | 37868 | No |
| 105 | GOM_NL__2PRFIN20090528_132826_000000362079_00239_37868_8526.N1 | 28-MAY-2009 13:28:26 | Bright | 35.500 | 86 | 35Eta Oph | 2.4300 | 10200. | 71 | 37868 | No |
| 106 | GOM_NL__2PRFIN20090528_133021_000000332079_00239_37868_8527.N1 | 28-MAY-2009 13:30:21 | Bright | 32.500 | 98 | 13Zet Oph | 2.5710 | 30000. | 65 | 37868 | No |
| 107 | GOM_NL__2PRFIN20090528_133235_000000322079_00239_37868_8528.N1 | 28-MAY-2009 13:32:35 | Bright | 31.500 | 120 | 1Del Oph | 2.7340 | 3200.0 | 63 | 37868 | No |
| 108 | GOM_NL__2PRFIN20090528_134103_000000352079_00239_37868_8529.N1 | 28-MAY-2009 13:41:03 | Bright | 35.000 | 127 | 27Bet Her | 2.7810 | 4700.0 | 70 | 37868 | No |
| 109 | GOM_NL__2PRFIN20090528_134435_000000362079_00239_37868_8530.N1 | 28-MAY-2009 13:44:35 | Bright | 36.000 | 133 | 40Zet Her | 2.8070 | 6000.0 | 72 | 37868 | No |
| 110 | GOM_NL__2PRFIN20090528_135210_000000362079_00239_37868_8531.N1 | 28-MAY-2009 13:52:10 | Bright | 35.500 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 71 | 37868 | No |
| 111 | GOM_NL__2PRFIN20090528_141746_000000282079_00239_37868_8532.N1 | 28-MAY-2009 14:17:46 | Twilight_and_stray | 28.000 | 58 | 21Alp And | 2.0730 | 11000. | 56 | 37868 | No |
| 112 | GOM_NL__2PRFIN20090528_142229_000000292079_00239_37868_8533.N1 | 28-MAY-2009 14:22:29 | Dark | 29.000 | 140 | 88Gam Peg | 2.8340 | 26000. | 58 | 37868 | No |
| 113 | GOM_NL__2PRFIN20090528_143936_000000392079_00239_37868_8534.N1 | 28-MAY-2009 14:39:36 | Dark | 39.000 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 78 | 37868 | No |
| 114 | GOM_NL__2PRFIN20090528_144518_000000422079_00240_37869_8537.N1 | 28-MAY-2009 14:45:18 | Dark | 42.000 | 172 | Gam Gru | 3.0030 | 13100. | 84 | 37869 | No |
| 115 | GOM_NL__2PRFIN20090528_150000_000000342079_00240_37869_8538.N1 | 28-MAY-2009 15:00:00 | Straylight | 33.500 | 178 | lot1Sco | 3.0220 | 6550.0 | 67 | 37869 | No |
| 116 | GOM_NL__2PRFIN20090528_150118_000000332079_00240_37869_8539.N1 | 28-MAY-2009 15:01:18 | Twilight_and_stray | 32.500 | 25 | 35Lam Sco | 1.6200 | 28000. | 65 | 37869 | No |
| 117 | GOM_NL__2PRFIN20090528_150902_000000362079_00240_37869_8540.N1 | 28-MAY-2009 15:09:02 | Bright | 35.500 | 86 | 35Eta Oph | 2.4300 | 10200. | 71 | 37869 | No |
| 118 | GOM_NL__2PRFIN20090528_151057_000000322079_00240_37869_8541.N1 | 28-MAY-2009 15:10:57 | Bright | 32.000 | 98 | 13Zet Oph | 2.5710 | 30000. | 64 | 37869 | No |
| 119 | GOM_NL__2PRFIN20090528_151311_000000322079_00240_37869_8542.N1 | 28-MAY-2009 15:13:11 | Bright | 31.500 | 120 | 1Del Oph | 2.7340 | 3200.0 | 63 | 37869 | No |
| 120 | GOM_NL__2PRFIN20090528_152138_000000362079_00240_37869_8543.N1 | 28-MAY-2009 15:21:38 | Bright | 35.500 | 127 | 27Bet Her | 2.7810 | 4700.0 | 71 | 37869 | No |
| 121 | GOM_NL__2PRFIN20090528_152510_000000362079_00240_37869_8544.N1 | 28-MAY-2009 15:25:10 | Bright | 36.000 | 133 | 40Zet Her | 2.8070 | 6000.0 | 72 | 37869 | No |
| 122 | GOM_NL__2PRFIN20090528_153245_000000362079_00240_37869_8545.N1 | 28-MAY-2009 15:32:45 | Bright | 36.000 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 72 | 37869 | No |
| 123 | GOM_NL__2PRFIN20090528_154333_000000322079_00240_37869_8546.N1 | 28-MAY-2009 15:43:33 | Twilight_and_stray | 32.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 64 | 37869 | No |
| 124 | GOM_NL__2PRFIN20090528_155822_000000282079_00240_37869_8547.N1 | 28-MAY-2009 15:58:22 | Twilight_and_stray | 27.500 | 58 | 21Alp And | 2.0730 | 11000. | 55 | 37869 | No |
| 125 | GOM_NL__2PRFIN20090528_160306_000000292079_00240_37869_8548.N1 | 28-MAY-2009 16:03:06 | Dark | 29.000 | 140 | 88Gam Peg | 2.8340 | 26000. | 58 | 37869 | No |
| 126 | GOM_NL__2PRFIN20090528_162013_000000392079_00240_37869_8549.N1 | 28-MAY-2009 16:20:13 | Dark | 38.500 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 77 | 37869 | No |
| 127 | GOM_NL__2PRFIN20090528_162555_000000422079_00241_37870_8551.N1 | 28-MAY-2009 16:25:55 | Dark | 41.500 | 172 | Gam Gru | 3.0030 | 13100. | 83 | 37870 | No |
| 128 | GOM_NL__2PRFIN20090528_164036_000000332079_00241_37870_8552.N1 | 28-MAY-2009 16:40:36 | Straylight | 33.000 | 178 | lot1Sco | 3.0220 | 6550.0 | 66 | 37870 | No |
| 129 | GOM_NL__2PRFIN20090528_164155_000000322079_00241_37870_8553.N1 | 28-MAY-2009 16:41:55 | Twilight_and_stray | 32.000 | 25 | 35Lam Sco | 1.6200 | 28000. | 64 | 37870 | No |
| 130 | GOM_NL__2PRFIN20090528_164938_000000352079_00241_37870_8554.N1 | 28-MAY-2009 16:49:38 | Bright | 35.000 | 86 | 35Eta Oph | 2.4300 | 10200. | 70 | 37870 | No |
| 131 | GOM_NL__2PRFIN20090528_165133_000000332079_00241_37870_8555.N1 | 28-MAY-2009 16:51:33 | Bright | 32.500 | 98 | 13Zet Oph | 2.5710 | 30000. | 65 | 37870 | No |
| 132 | GOM_NL__2PRFIN20090528_165347_000000312079_00241_37870_8556.N1 | 28-MAY-2009 16:53:47 | Bright | 31.000 | 120 | 1Del Oph | 2.7340 | 3200.0 | 62 | 37870 | No |
| 133 | GOM_NL__2PRFIN20090528_170214_000000352079_00241_37870_8557.N1 | 28-MAY-2009 17:02:14 | Bright | 35.000 | 127 | 27Bet Her | 2.7810 | 4700.0 | 70 | 37870 | No |
| 134 | GOM_NL__2PRFIN20090528_170546_000000362079_00241_37870_8558.N1 | 28-MAY-2009 17:05:46 | Bright | 36.000 | 133 | 40Zet Her | 2.8070 | 6000.0 | 72 | 37870 | No |
| 135 | GOM_NL__2PRFIN20090528_171320_000000362079_00241_37870_8559.N1 | 28-MAY-2009 17:13:20 | Bright | 36.000 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 72 | 37870 | No |
| 136 | GOM_NL__2PRFIN20090528_172408_000000332079_00241_37870_8560.N1 | 28-MAY-2009 17:24:08 | Twilight_and_stray | 32.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 65 | 37870 | No |
| 137 | GOM_NL__2PRFIN20090528_173858_000000282079_00241_37870_8561.N1 | 28-MAY-2009 17:38:58 | Twilight_and_stray | 28.000 | 58 | 21Alp And | 2.0730 | 11000. | 56 | 37870 | No |
| 138 | GOM_NL__2PRFIN20090528_174342_000000292079_00241_37870_8562.N1 | 28-MAY-2009 17:43:42 | Dark | 29.000 | 140 | 88Gam Peg | 2.8340 | 26000. | 58 | 37870 | No |
| 139 | GOM_NL__2PRFIN20090528_180050_000000392079_00241_37870_8563.N1 | 28-MAY-2009 18:00:50 | Dark | 38.500 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 77 | 37870 | No |
| 140 | GOM_NL__2PRFIN20090528_180633_000000422079_00242_37871_8567.N1 | 28-MAY-2009 18:06:33 | Dark | 41.500 | 172 | Gam Gru | 3.0030 | 13100. | 83 | 37871 | No |
| 141 | GOM_NL__2PRFIN20090528_182113_000000332079_00242_37871_8568.N1 | 28-MAY-2009 18:21:13 | Straylight | 33.000 | 178 | lot1Sco | 3.0220 | 6550.0 | 66 | 37871 | No |
| 142 | GOM_NL__2PRFIN20090528_182232_000000332079_00242_37871_8569.N1 | 28-MAY-2009 18:22:32 | Twilight_and_stray | 32.500 | 25 | 35Lam Sco | 1.6200 | 28000. | 65 | 37871 | No |
| 143 | GOM_NL__2PRFIN20090528_183015_000000352079_00242_37871_8570.N1 | 28-MAY-2009 18:30:15 | Bright | 35.000 | 86 | 35Eta Oph | 2.4300 | 10200. | 70 | 37871 | No |
| 144 | GOM_NL__2PRFIN20090528_183209_000000322079_00242_37871_8571.N1 | 28-MAY-2009 18:32:09 | Bright | 32.000 | 98 | 13Zet Oph | 2.5710 | 30000. | 64 | 37871 | No |
| 145 | GOM_NL__2PRFIN20090528_183423_000000312079_00242_37871_8572.N1 | 28-MAY-2009 18:34:23 | Bright | 30.500 | 120 | 1Del Oph | 2.7340 | 3200.0 | 61 | 37871 | No |
| 146 | GOM_NL__2PRFIN20090528_184249_000000352079_00242_37871_8573.N1 | 28-MAY-2009 18:42:49 | Bright | 35.000 | 127 | 27Bet Her | 2.7810 | 4700.0 | 70 | 37871 | No |
| 147 | GOM_NL__2PRFIN20090528_184621_000000372079_00242_37871_8574.N1 | 28-MAY-2009 18:46:21 | Bright | 36.500 | 133 | 40Zet Her | 2.8070 | 6000.0 | 73 | 37871 | No |
| 148 | GOM_NL__2PRFIN20090528_185356_000000362079_00242_37871_8575.N1 | 28-MAY-2009 18:53:56 | Bright | 36.000 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 72 | 37871 | No |
| 149 | GOM_NL__2PRFIN20090528_190443_000000332079_00242_37871_8576.N1 | 28-MAY-2009 19:04:43 | Twilight_and_stray | 32.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 65 | 37871 | No |
| 150 | GOM_NL__2PRFIN20090528_191935_000000282079_00242_37871_8577.N1 | 28-MAY-2009 19:19:35 | Twilight_and_stray | 28.000 | 58 | 21Alp And | 2.0730 | 11000. | 56 | 37871 | No |
| 151 | GOM_NL__2PRFIN20090528_192419_000000292079_00242_37871_8578.N1 | 28-MAY-2009 19:24:19 | Dark | 29.000 | 140 | 88Gam Peg | 2.8340 | 26000. | 58 | 37871 | No |
| 152 | GOM_NL__2PRFIN20090528_194127_000000392079_00242_37871_8579.N1 | 28-MAY-2009 19:41:27 | Dark | 39.000 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 78 | 37871 | No |
| 153 | GOM_NL__2PRFIN20090528_194710_000000422079_00243_37872_8583.N1 | 28-MAY-2009 19:47:10 | Dark | 41.500 | 172 | Gam Gru | 3.0030 | 13100. | 83 | 37872 | No |
| 154 | GOM_NL__2PRFIN20090528_200150_000000332079_00243_37872_8584.N1 | 28-MAY-2009 20:01:50 | Straylight | 33.000 | 178 | lot1Sco | 3.0220 | 6550.0 | 66 | 37872 | No |
| 155 | GOM_NL__2PRFIN20090528_200308_000000332079_00243_37872_8585.N1 | 28-MAY-2009 20:03:08 | Twilight_and_stray | 32.500 | 25 | 35Lam Sco | 1.6200 | 28000. | 65 | 37872 | No |
| 156 | GOM_NL__2PRFIN20090528_201050_000000362079_00243_37872_8586.N1 | 28-MAY-2009 20:10:50 | Bright | 35.500 | 86 | 35Eta Oph | 2.4300 | 10200. | 71 | 37872 | No |
| 157 | GOM_NL__2PRFIN20090528_201245_000000332079_00243_37872_8587.N1 | 28-MAY-2009 20:12:45 | Bright | 32.500 | 98 | 13Zet Oph | 2.5710 | 30000. | 65 | 37872 | No |
| 158 | GOM_NL__2PRFIN20090528_201459_000000312079_00243_37872_8588.N1 | 28-MAY-2009 20:14:59 | Bright | 31.000 | 120 | 1Del Oph | 2.7340 | 3200.0 | 62 | 37872 | No |
| 159 | GOM_NL__2PRFIN20090528_202325_000000352079_00243_37872_8589.N1 | 28-MAY-2009 20:23:25 | Bright | 35.000 | 127 | 27Bet Her | 2.7810 | 4700.0 | 70 | 37872 | No |
| 160 | GOM_NL__2PRFIN20090528_202657_000000362079_00243_37872_8590.N1 | 28-MAY-2009 20:26:57 | Bright | 36.000 | 133 | 40Zet Her | 2.8070 | 6000.0 | 72 | 37872 | No |

| | | | | | | | | | | | |
|-----|--|----------------------|------------|--------|-----|-----------|--------|--------|----|-------|----|
| 161 | GOM_NL__2PRFIN20090528_203431_000000362079_00243_37872_8591.N1 | 28-MAY-2009 20:34:31 | Bright | 35.500 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 71 | 37872 | No |
| 162 | GOM_NL__2PRFIN20090528_204519_000000332079_00243_37872_8592.N1 | 28-MAY-2009 20:45:19 | Twilight | 32.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 65 | 37872 | No |
| 163 | GOM_NL__2PRFIN20090528_210011_000000282079_00243_37872_8593.N1 | 28-MAY-2009 21:00:11 | Twilight | 28.000 | 58 | 21Alp And | 2.0730 | 11000. | 56 | 37872 | No |
| 164 | GOM_NL__2PRFIN20090528_210455_000000292079_00243_37872_8594.N1 | 28-MAY-2009 21:04:55 | Dark | 28.500 | 140 | 88Gam Peg | 2.8340 | 26000. | 57 | 37872 | No |
| 165 | GOM_NL__2PRFIN20090528_212204_000000392079_00243_37872_8595.N1 | 28-MAY-2009 21:22:04 | Dark | 38.500 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 77 | 37872 | No |
| 166 | GOM_NL__2PRFIN20090528_212747_000000422079_00244_37873_8601.N1 | 28-MAY-2009 21:27:47 | Dark | 41.500 | 172 | Gam Gru | 3.0030 | 13100. | 83 | 37873 | No |
| 167 | GOM_NL__2PRFIN20090528_214226_000000332079_00244_37873_8602.N1 | 28-MAY-2009 21:42:26 | Straylight | 33.000 | 178 | lot1Sco | 3.0220 | 6550.0 | 66 | 37873 | No |
| 168 | GOM_NL__2PRFIN20090528_214344_000000332079_00244_37873_8603.N1 | 28-MAY-2009 21:43:44 | Twilight | 32.500 | 25 | 35Lam Sco | 1.6200 | 28000. | 65 | 37873 | No |
| 169 | GOM_NL__2PRFIN20090528_215126_000000352079_00244_37873_8604.N1 | 28-MAY-2009 21:51:26 | Bright | 35.000 | 86 | 35Eta Oph | 2.4300 | 10200. | 70 | 37873 | No |
| 170 | GOM_NL__2PRFIN20090528_215321_000000322079_00244_37873_8605.N1 | 28-MAY-2009 21:53:21 | Bright | 32.000 | 98 | 13Zet Oph | 2.5710 | 30000. | 64 | 37873 | No |
| 171 | GOM_NL__2PRFIN20090528_215539_000000262079_00244_37873_8606.N1 | 28-MAY-2009 21:55:39 | Bright | 26.000 | 120 | 1Del Oph | 2.7340 | 3200.0 | 52 | 37873 | No |
| 172 | GOM_NL__2PRFIN20090528_220400_000000352079_00244_37873_8607.N1 | 28-MAY-2009 22:04:00 | Bright | 35.000 | 127 | 27Bet Her | 2.7810 | 4700.0 | 70 | 37873 | No |
| 173 | GOM_NL__2PRFIN20090528_220732_000000362079_00244_37873_8608.N1 | 28-MAY-2009 22:07:32 | Bright | 35.500 | 133 | 40Zet Her | 2.8070 | 6000.0 | 71 | 37873 | No |
| 174 | GOM_NL__2PRFIN20090528_221506_000000362079_00244_37873_8609.N1 | 28-MAY-2009 22:15:06 | Bright | 35.500 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 71 | 37873 | No |
| 175 | GOM_NL__2PRFIN20090528_222554_000000322079_00244_37873_8610.N1 | 28-MAY-2009 22:25:54 | Twilight | 32.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 64 | 37873 | No |
| 176 | GOM_NL__2PRFIN20090528_224047_000000282079_00244_37873_8611.N1 | 28-MAY-2009 22:40:47 | Twilight | 27.500 | 58 | 21Alp And | 2.0730 | 11000. | 55 | 37873 | No |
| 177 | GOM_NL__2PRFIN20090528_224531_000000292079_00244_37873_8612.N1 | 28-MAY-2009 22:45:31 | Dark | 29.000 | 140 | 88Gam Peg | 2.8340 | 26000. | 58 | 37873 | No |
| 178 | GOM_NL__2PRFIN20090528_230241_000000392079_00244_37873_8613.N1 | 28-MAY-2009 23:02:41 | Dark | 39.000 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 78 | 37873 | No |
| 179 | GOM_NL__2PRFIN20090528_230824_000000422079_00245_37874_8617.N1 | 28-MAY-2009 23:08:24 | Dark | 41.500 | 172 | Gam Gru | 3.0030 | 13100. | 83 | 37874 | No |
| 180 | GOM_NL__2PRFIN20090528_232303_000000332079_00245_37874_8618.N1 | 28-MAY-2009 23:23:03 | Straylight | 32.500 | 178 | lot1Sco | 3.0220 | 6550.0 | 65 | 37874 | No |
| 181 | GOM_NL__2PRFIN20090528_232421_000000322079_00245_37874_8619.N1 | 28-MAY-2009 23:24:21 | Twilight | 32.000 | 25 | 35Lam Sco | 1.6200 | 28000. | 64 | 37874 | No |
| 182 | GOM_NL__2PRFIN20090528_233202_000000352079_00245_37874_8620.N1 | 28-MAY-2009 23:32:02 | Bright | 35.000 | 86 | 35Eta Oph | 2.4300 | 10200. | 70 | 37874 | No |
| 183 | GOM_NL__2PRFIN20090528_233357_000000322079_00245_37874_8621.N1 | 28-MAY-2009 23:33:57 | Bright | 32.000 | 98 | 13Zet Oph | 2.5710 | 30000. | 64 | 37874 | No |
| 184 | GOM_NL__2PRFIN20090528_234435_000000352079_00245_37874_8622.N1 | 28-MAY-2009 23:44:35 | Bright | 34.500 | 127 | 27Bet Her | 2.7810 | 4700.0 | 69 | 37874 | No |
| 185 | GOM_NL__2PRFIN20090528_234807_000000362079_00245_37874_8623.N1 | 28-MAY-2009 23:48:07 | Bright | 36.000 | 133 | 40Zet Her | 2.8070 | 6000.0 | 72 | 37874 | No |
| 186 | GOM_NL__2PRFIN20090528_235541_000000362079_00245_37874_8624.N1 | 28-MAY-2009 23:55:41 | Bright | 35.500 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 71 | 37874 | No |

3. Quality information per product

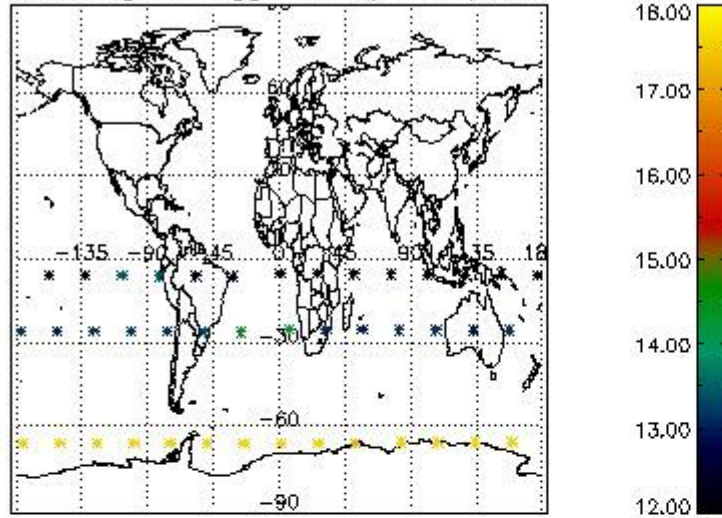
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

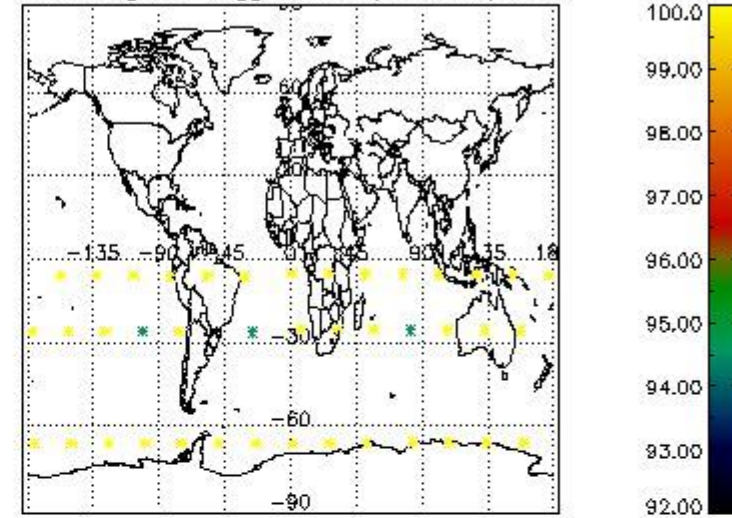


3.2 Plot quality information per product (world map)

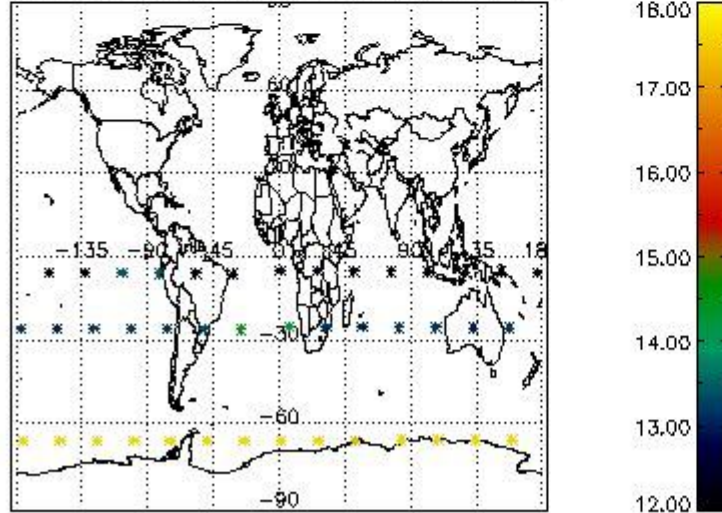
Percentage of flagged data per O3 profile



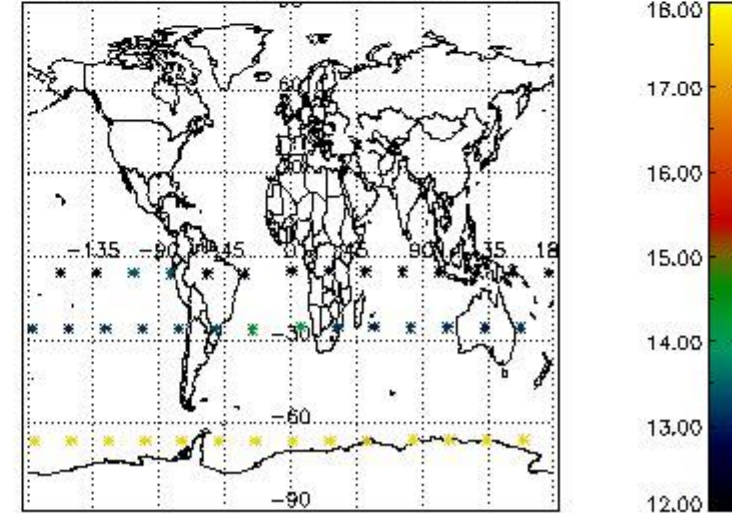
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

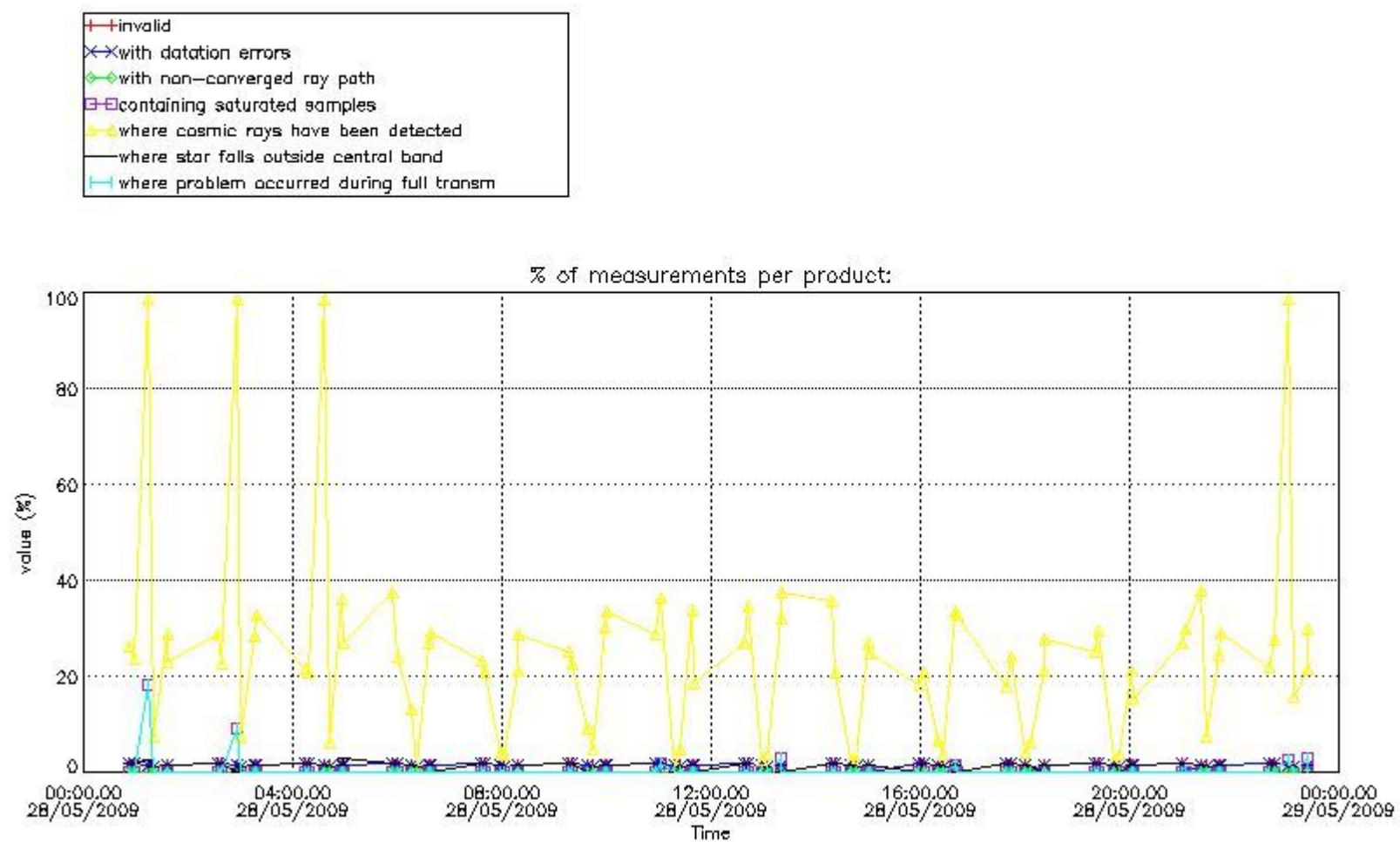


4. Level 1 quality information per product

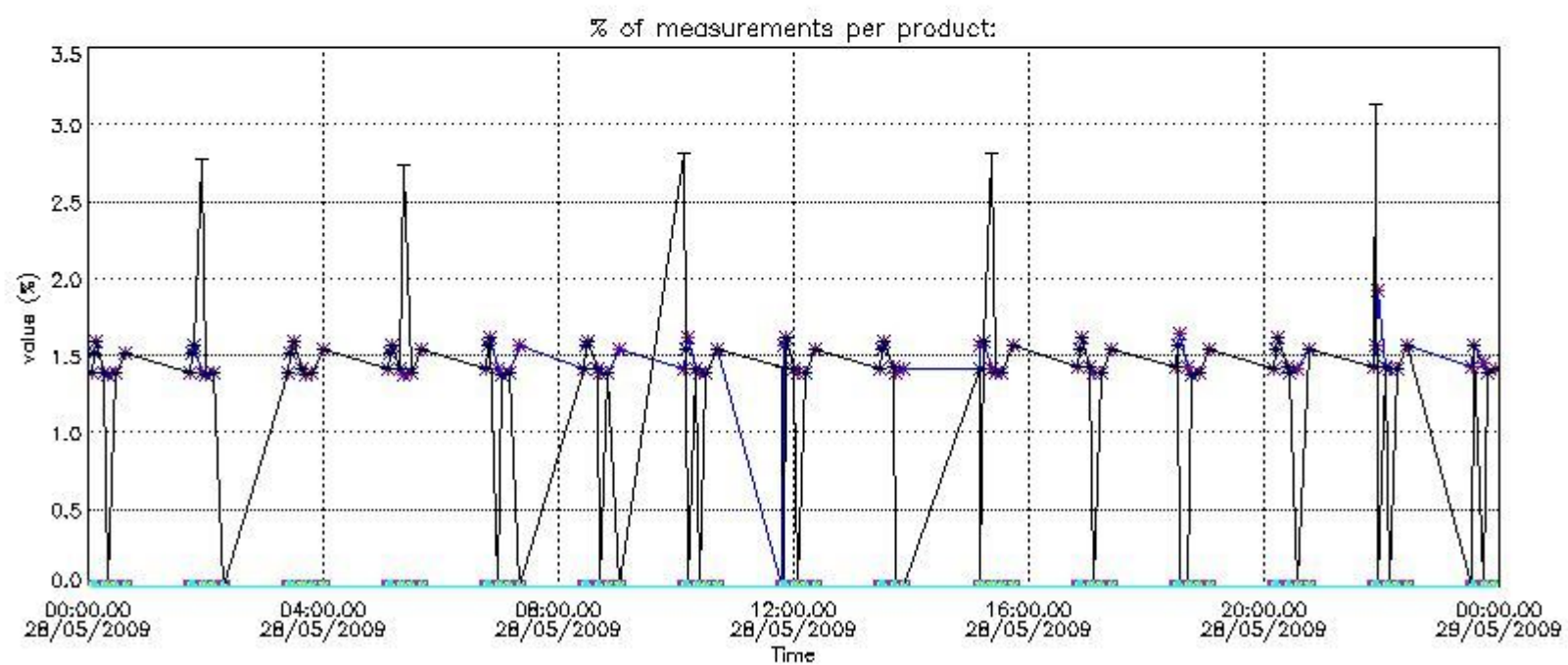
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



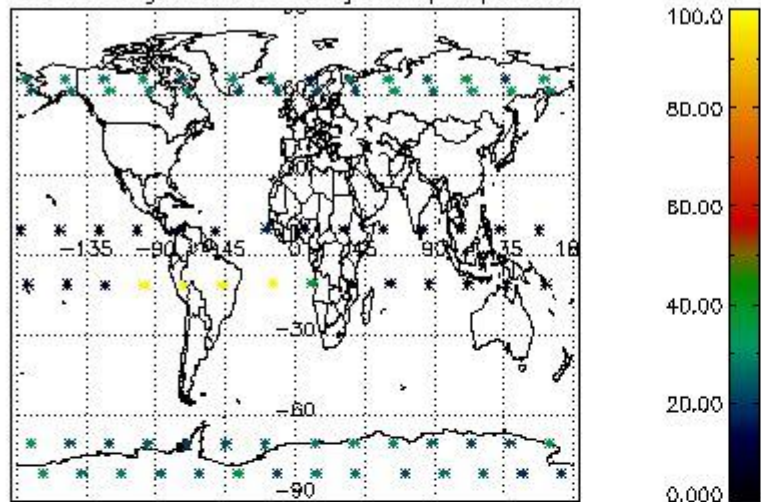
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



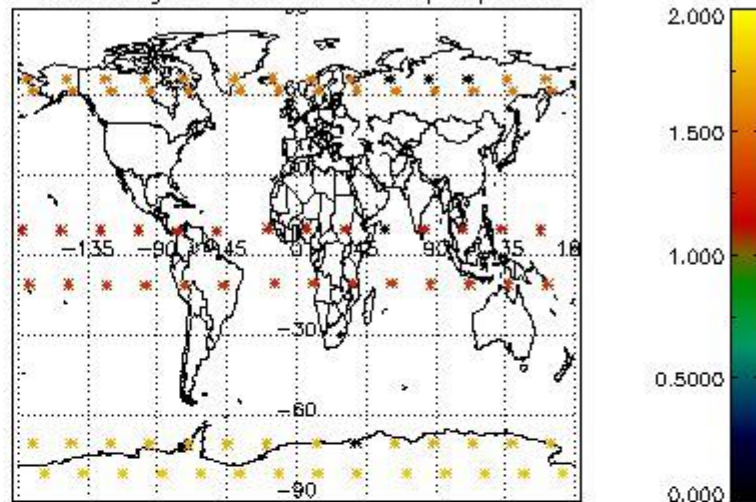
4.2 Plot quality information per product coming from level 1b processing (world map)

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

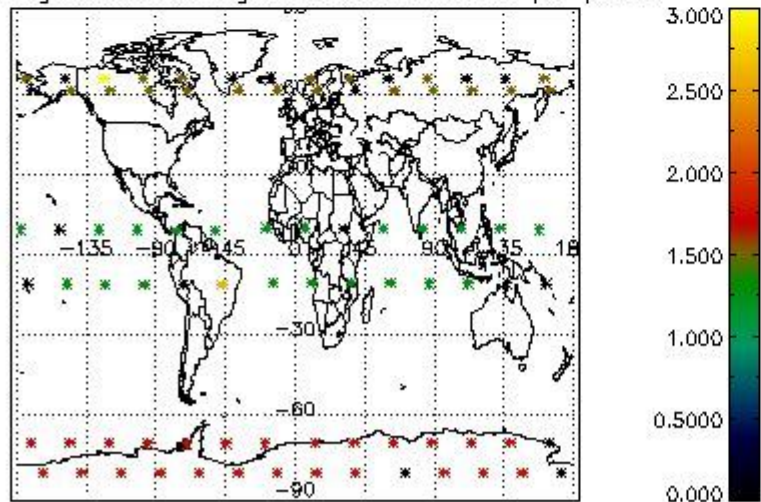
Percentage of cosmic ray hits per profile



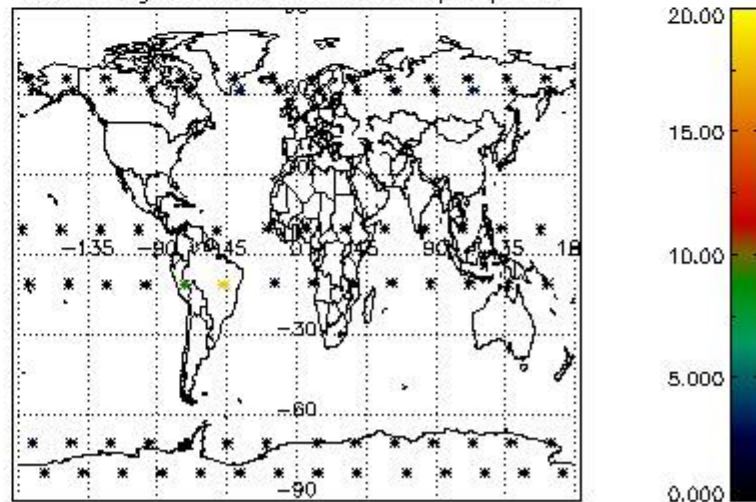
Percentage of datation errors per profile



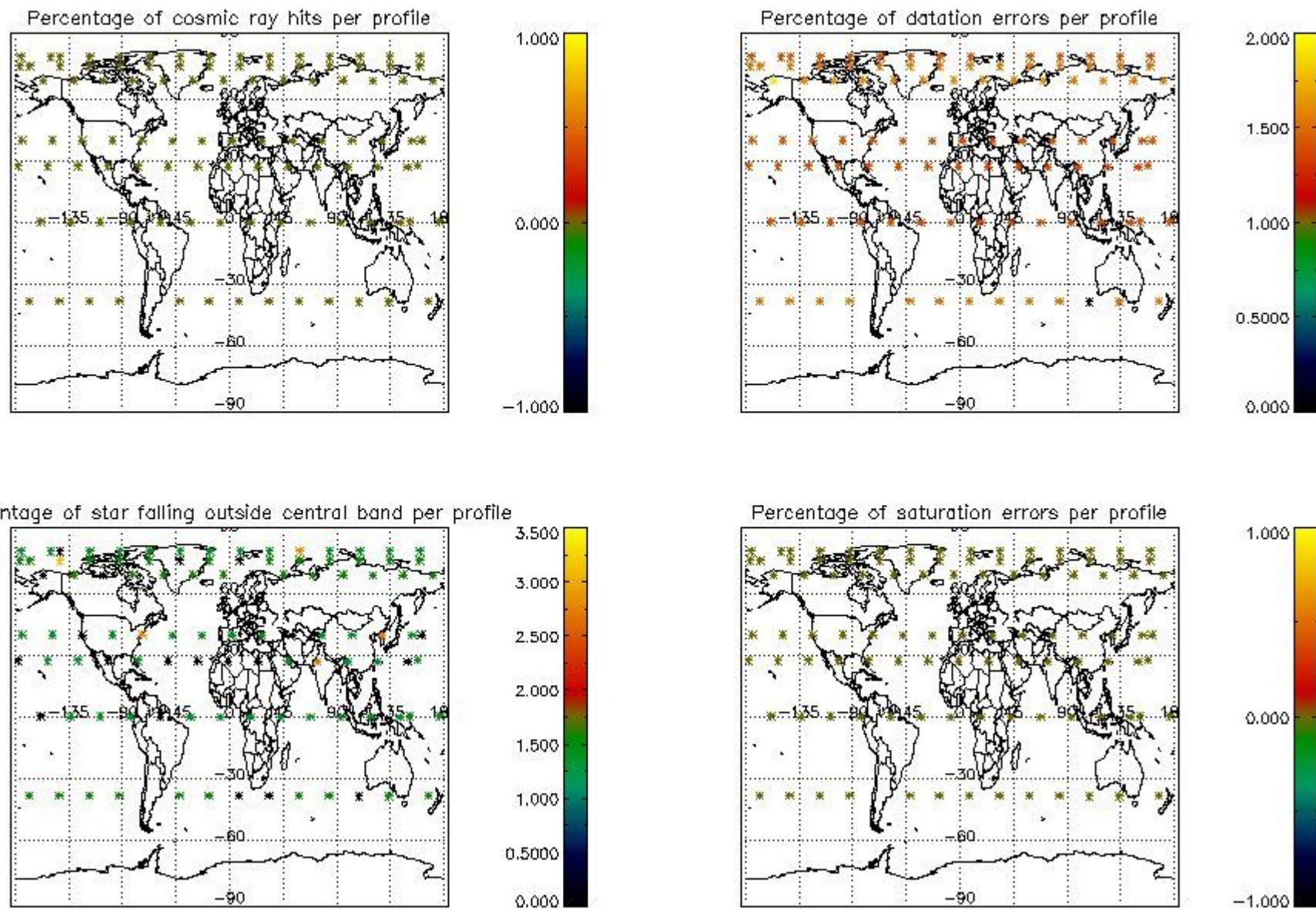
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

The final quality of the products can be "measured" using the STD (Standard Deviation) attached to every point profile. This information is written to the parameter GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/o3_std of the level 2 products. The table below shows the statistics for given STD ranges.

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

- Products without fatal errors: GOM_NL__2P/MPH/PRODUCT_ERR=0
- Valid point profile: GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/pcd(0)=0

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

- Products in dark limb illumination condition: GOM_NL__2P/NL_SUMMARY_QUALITY/obs_ill_cond=0
- Products without fatal errors: GOM_NL__2P/MPH/PRODUCT_ERR=0
- Valid point profile: GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/pcd(0)=0

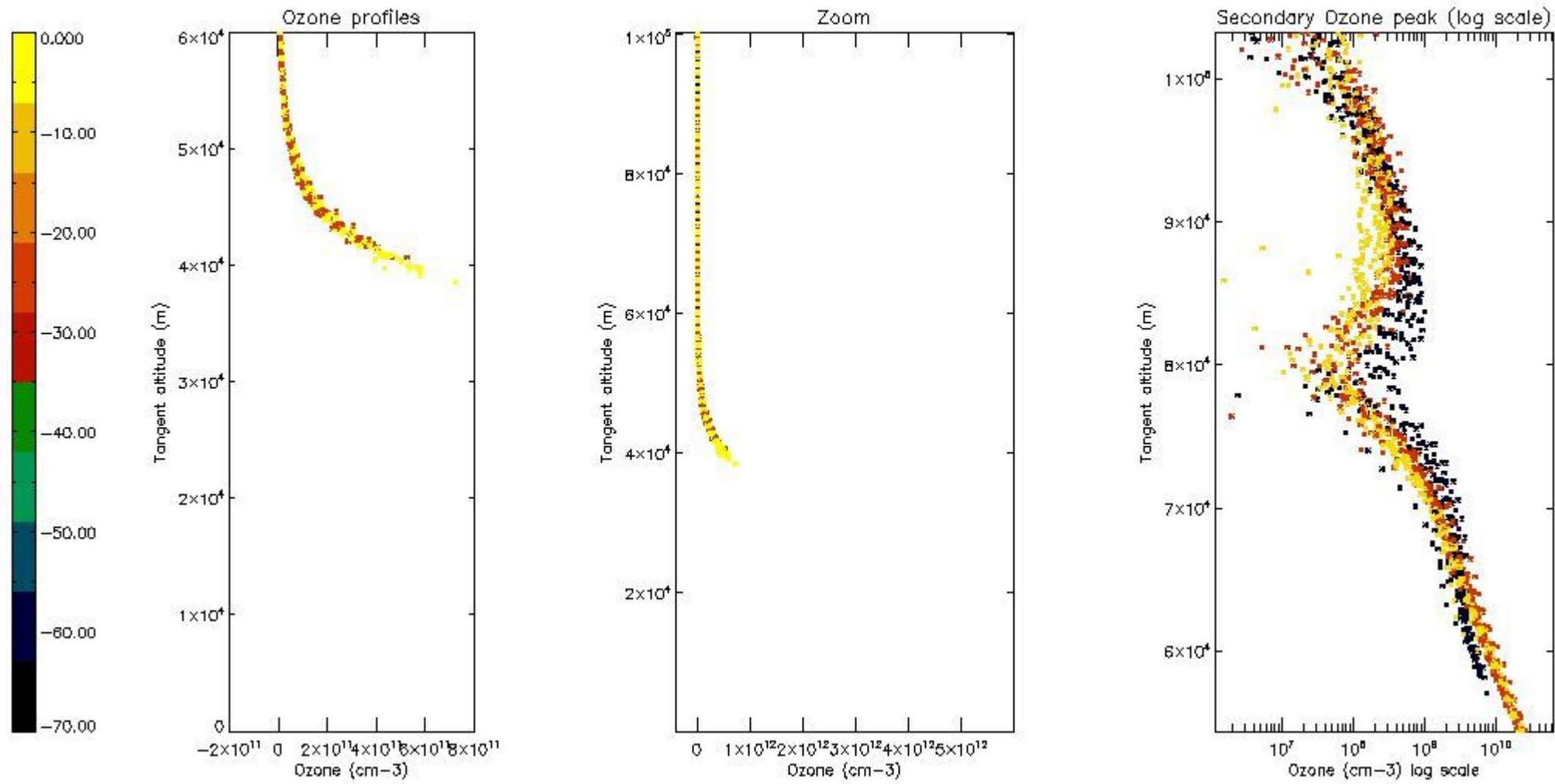
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

| Criteria | % of total production |
|----------|-----------------------|
| All STD | 24 |
| STD < 20 | 12 |

| | |
|----------|---|
| STD < 10 | 9 |
| STD < 5 | 6 |

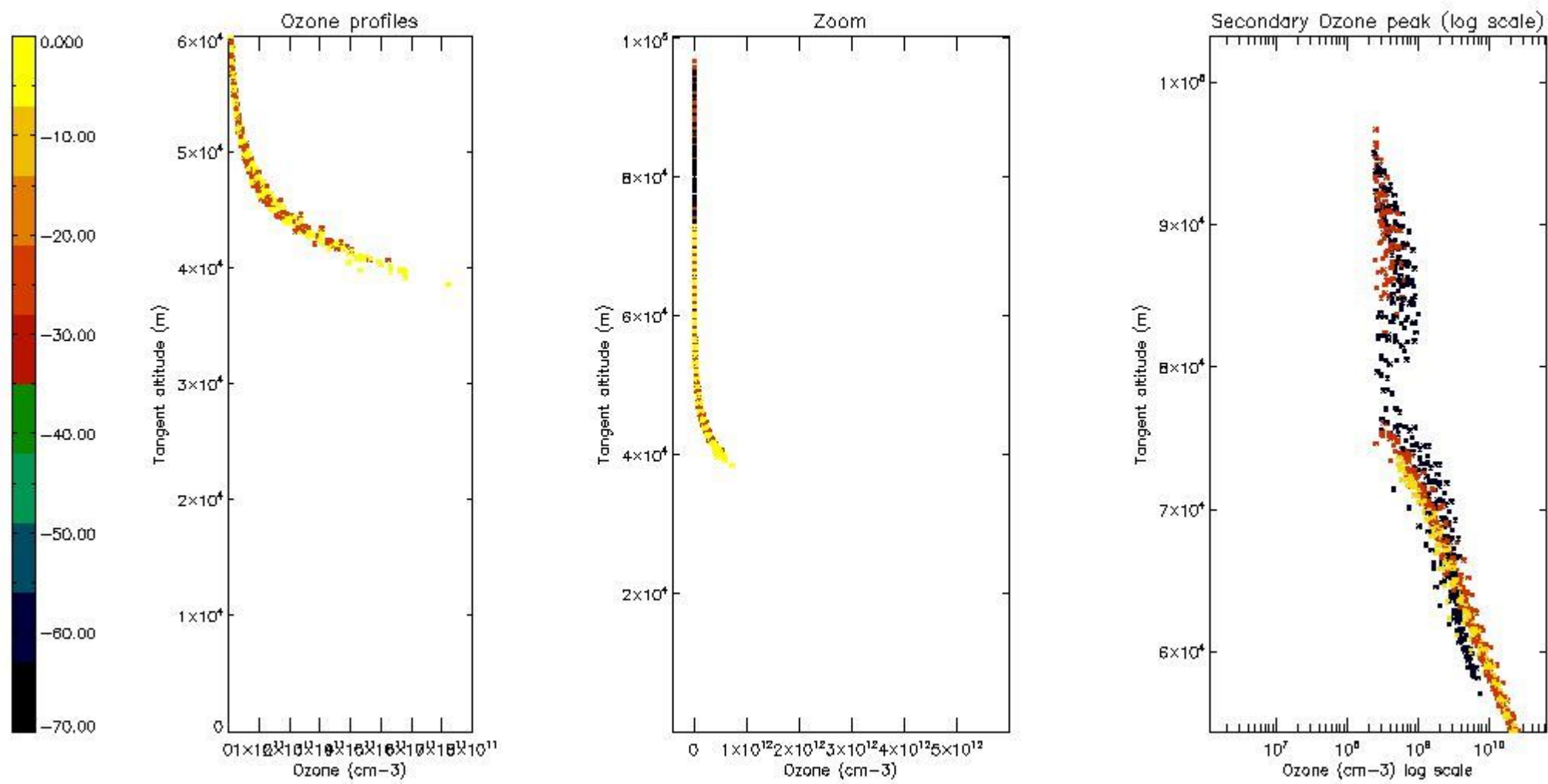
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



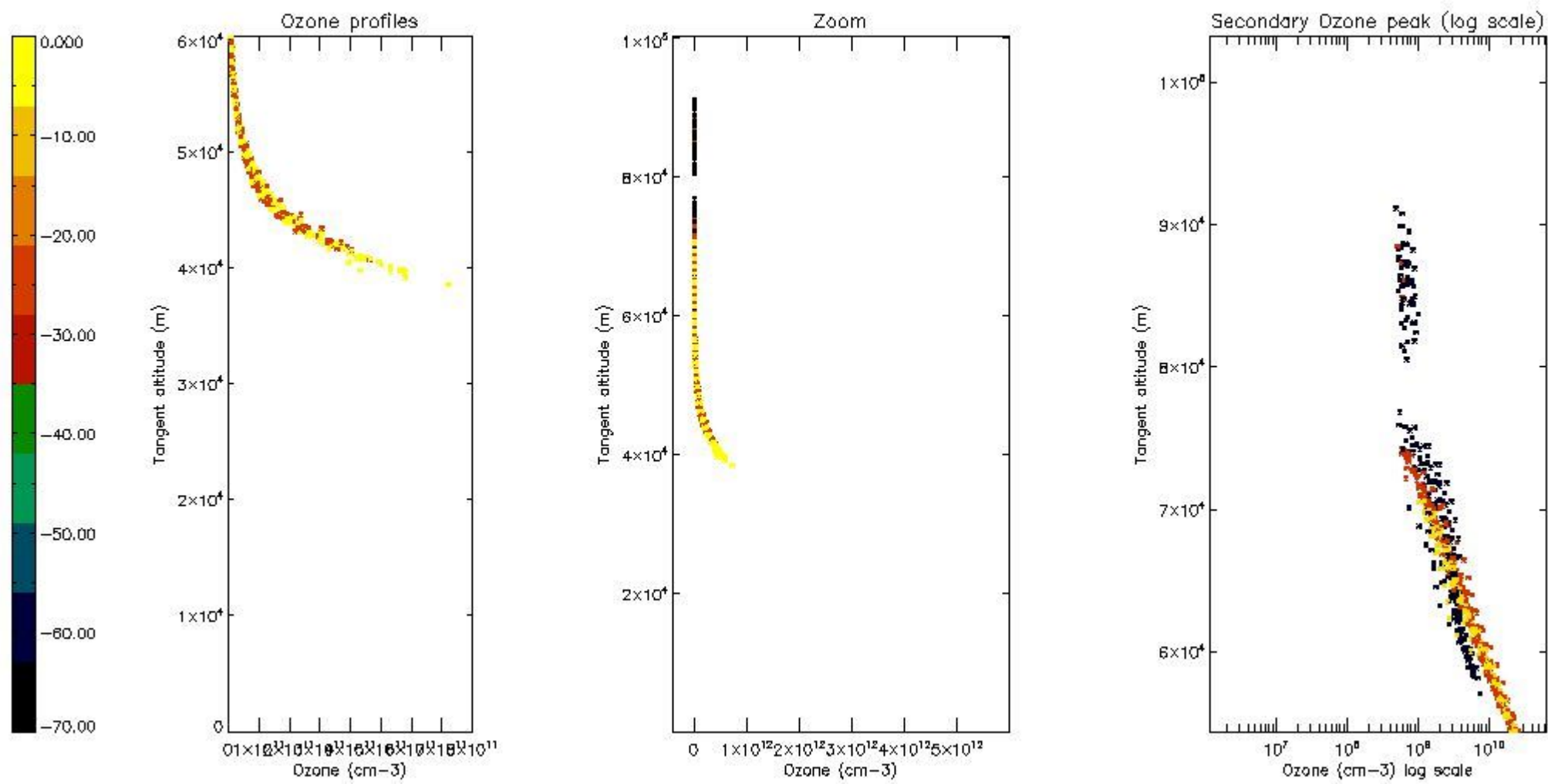
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



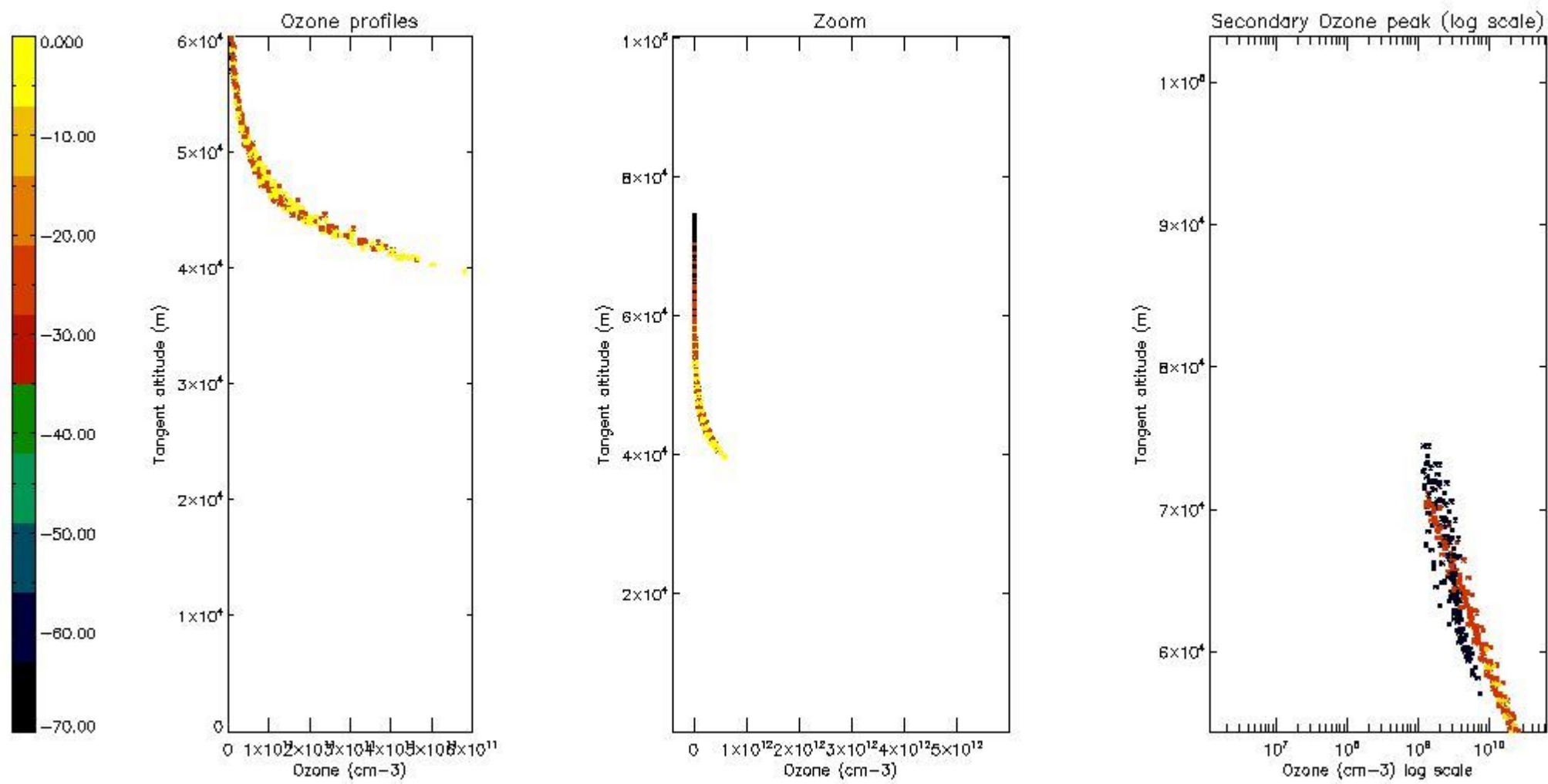
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



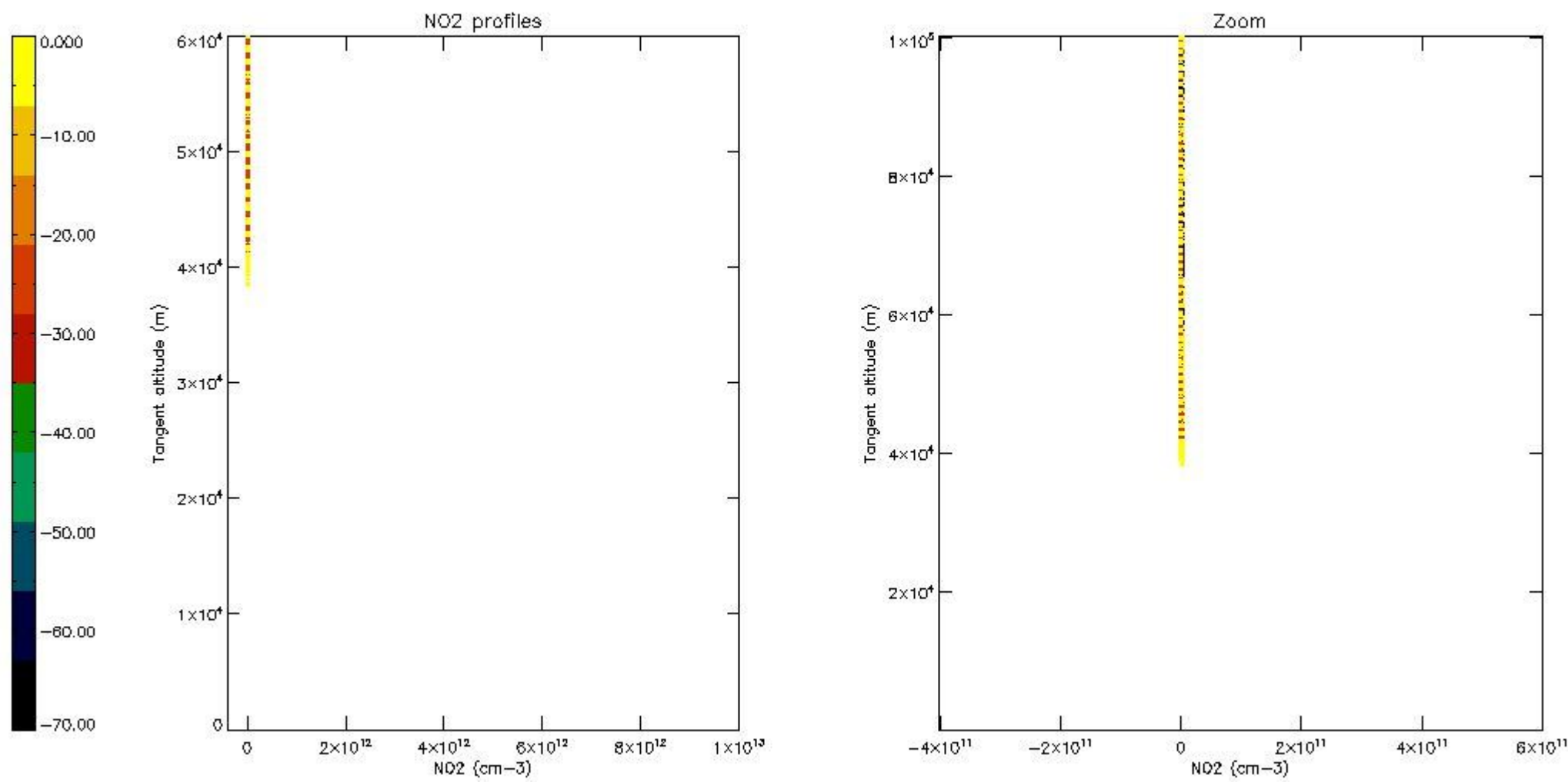
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



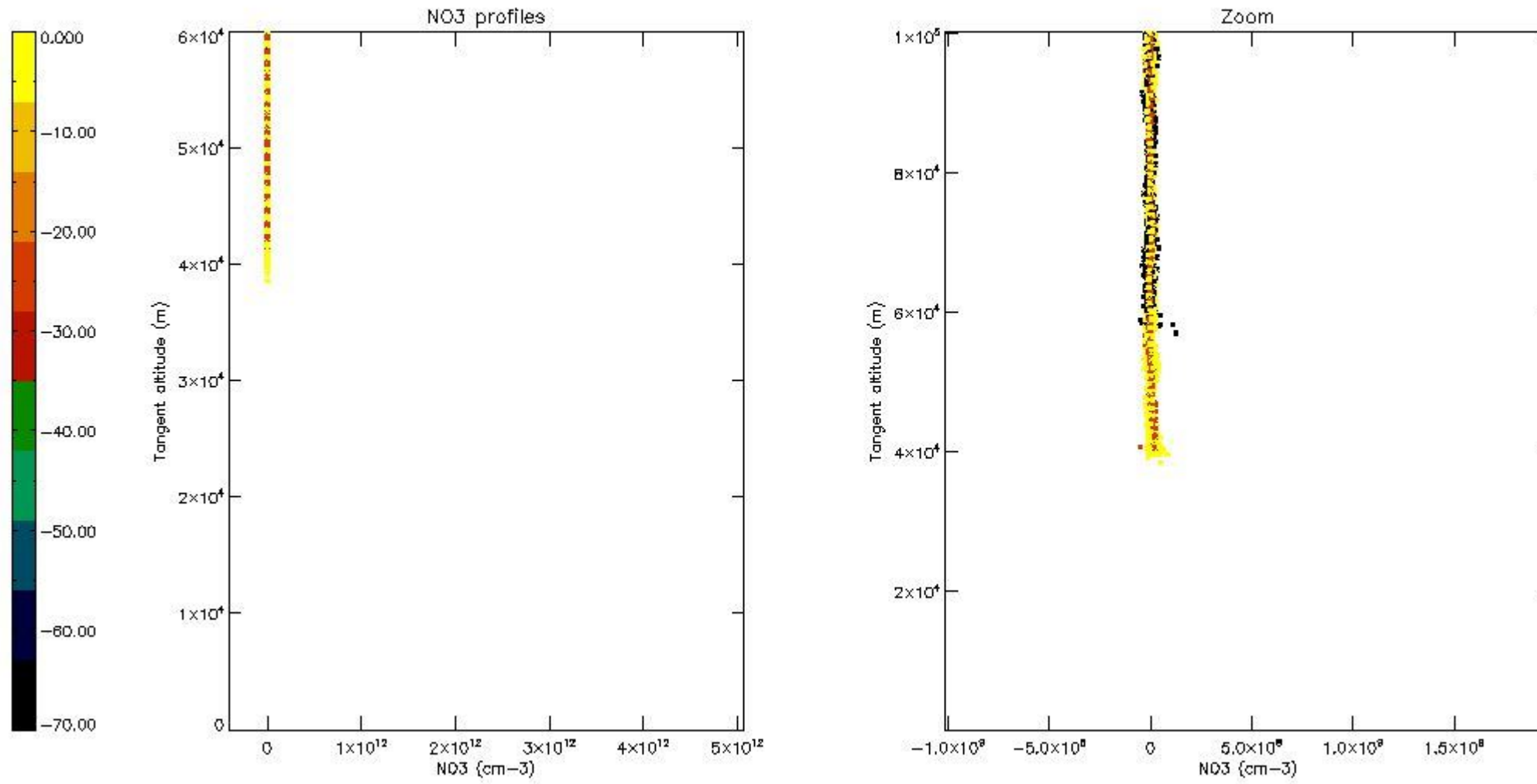
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

The colorbar represents the latitude.



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

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

| Type | Auxiliary Filename | Used since product | Used since product date |
|---------------------------|---|--------------------|-------------------------|
| INST_PHYS_CHARACTERISTICS | GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000 | 1 | 28-MAY-2009 00:03:38 |
| LEVEL-2_PROC_CONFIG | GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000 | 1 | 28-MAY-2009 00:03:38 |
| CROSS_SECTIONS_FILE | GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000 | 1 | 28-MAY-2009 00:03:38 |

GOMOS Level 2 Daily Report

SUMMARY

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[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 \(dark without errors\)](#)

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[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 | 26APR2013 09:49:03 |
| Data source version | GOMOS/6.01 |
| Start time of products | 28-05-2009 (28MAY2009 00:00:00) |
| Stop time of products | 29-05-2009 (29MAY2009 00:00:00) |
| Store outputs in DB | Yes |
| Nb of level 2 prods | 186 |
| 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__2PRFIN20090528_000338_000000362079_00231_37860_8390.N1 | 28-MAY-2009 00:03:38 | Bright | 36.000 | 86 | 35Eta Oph | 2.4300 | 10200. | 72 | 37860 | No |
| 2 | GOM_NL__2PRFIN20090528_000534_000000332079_00231_37860_8391.N1 | 28-MAY-2009 00:05:34 | Bright | 33.000 | 98 | 13Zet Oph | 2.5710 | 30000. | 66 | 37860 | No |
| 3 | GOM_NL__2PRFIN20090528_000748_000000322079_00231_37860_8392.N1 | 28-MAY-2009 00:07:48 | Bright | 31.500 | 120 | 1Del Oph | 2.7340 | 3200.0 | 63 | 37860 | No |
| 4 | GOM_NL__2PRFIN20090528_001619_000000362079_00231_37860_8393.N1 | 28-MAY-2009 00:16:19 | Bright | 36.000 | 127 | 27Bet Her | 2.7810 | 4700.0 | 72 | 37860 | No |
| 5 | GOM_NL__2PRFIN20090528_001952_000000372079_00231_37860_8394.N1 | 28-MAY-2009 00:19:52 | Bright | 36.500 | 133 | 40Zet Her | 2.8070 | 6000.0 | 73 | 37860 | No |
| 6 | GOM_NL__2PRFIN20090528_002728_000000362079_00231_37860_8395.N1 | 28-MAY-2009 00:27:28 | Bright | 36.000 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 72 | 37860 | No |
| 7 | GOM_NL__2PRFIN20090528_003814_000000332079_00231_37860_8396.N1 | 28-MAY-2009 00:38:14 | Twilight | 33.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 66 | 37860 | No |
| 8 | GOM_NL__2PRFIN20090528_005257_000000292079_00231_37860_8397.N1 | 28-MAY-2009 00:52:57 | Twilight | 28.500 | 58 | 21Alp And | 2.0730 | 11000. | 57 | 37860 | No |
| 9 | GOM_NL__2PRFIN20090528_005738_000000302079_00231_37860_8398.N1 | 28-MAY-2009 00:57:38 | Dark | 29.500 | 140 | 88Gam Peg | 2.8340 | 26000. | 59 | 37860 | No |
| 10 | GOM_NL__2PRFIN20090528_011439_000000392079_00231_37860_8399.N1 | 28-MAY-2009 01:14:39 | Dark | 38.500 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 77 | 37860 | No |
| 11 | GOM_NL__2PRFIN20090528_012021_000000422079_00232_37861_8405.N1 | 28-MAY-2009 01:20:21 | Dark | 41.500 | 172 | Gam Gru | 3.0030 | 13100. | 83 | 37861 | No |
| 12 | GOM_NL__2PRFIN20090528_013509_000000332079_00232_37861_8406.N1 | 28-MAY-2009 01:35:09 | Straylight | 33.000 | 178 | lot1Sco | 3.0220 | 6550.0 | 66 | 37861 | No |
| 13 | GOM_NL__2PRFIN20090528_013628_000000332079_00232_37861_8407.N1 | 28-MAY-2009 01:36:28 | Straylight | 33.000 | 25 | 35Lam Sco | 1.6200 | 28000. | 66 | 37861 | No |
| 14 | GOM_NL__2PRFIN20090528_014414_000000362079_00232_37861_8408.N1 | 28-MAY-2009 01:44:14 | Bright | 36.000 | 86 | 35Eta Oph | 2.4300 | 10200. | 72 | 37861 | No |
| 15 | GOM_NL__2PRFIN20090528_014609_000000332079_00232_37861_8409.N1 | 28-MAY-2009 01:46:09 | Bright | 33.000 | 98 | 13Zet Oph | 2.5710 | 30000. | 66 | 37861 | No |
| 16 | GOM_NL__2PRFIN20090528_014824_000000322079_00232_37861_8410.N1 | 28-MAY-2009 01:48:24 | Bright | 32.000 | 120 | 1Del Oph | 2.7340 | 3200.0 | 64 | 37861 | No |
| 17 | GOM_NL__2PRFIN20090528_015654_000000362079_00232_37861_8411.N1 | 28-MAY-2009 01:56:54 | Bright | 36.000 | 127 | 27Bet Her | 2.7810 | 4700.0 | 72 | 37861 | No |
| 18 | GOM_NL__2PRFIN20090528_020028_000000372079_00232_37861_8412.N1 | 28-MAY-2009 02:00:28 | Bright | 36.500 | 133 | 40Zet Her | 2.8070 | 6000.0 | 73 | 37861 | No |
| 19 | GOM_NL__2PRFIN20090528_020803_000000362079_00232_37861_8413.N1 | 28-MAY-2009 02:08:03 | Bright | 36.000 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 72 | 37861 | No |
| 20 | GOM_NL__2PRFIN20090528_021849_000000322079_00232_37861_8414.N1 | 28-MAY-2009 02:18:49 | Twilight | 32.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 64 | 37861 | No |
| 21 | GOM_NL__2PRFIN20090528_023333_000000282079_00232_37861_8415.N1 | 28-MAY-2009 02:33:33 | Twilight | 28.000 | 58 | 21Alp And | 2.0730 | 11000. | 56 | 37861 | No |
| 22 | GOM_NL__2PRFIN20090528_023815_000000292079_00232_37861_8416.N1 | 28-MAY-2009 02:38:15 | Dark | 29.000 | 140 | 88Gam Peg | 2.8340 | 26000. | 58 | 37861 | No |
| 23 | GOM_NL__2PRFIN20090528_025516_000000382079_00232_37861_8417.N1 | 28-MAY-2009 02:55:16 | Dark | 38.000 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 76 | 37861 | No |
| 24 | GOM_NL__2PRFIN20090528_030058_000000422079_00233_37862_8419.N1 | 28-MAY-2009 03:00:58 | Dark | 41.500 | 172 | Gam Gru | 3.0030 | 13100. | 83 | 37862 | No |
| 25 | GOM_NL__2PRFIN20090528_031545_000000342079_00233_37862_8420.N1 | 28-MAY-2009 03:15:45 | Straylight | 33.500 | 178 | lot1Sco | 3.0220 | 6550.0 | 67 | 37862 | No |
| 26 | GOM_NL__2PRFIN20090528_031704_000000342079_00233_37862_8421.N1 | 28-MAY-2009 03:17:04 | Twilight | 33.500 | 25 | 35Lam Sco | 1.6200 | 28000. | 67 | 37862 | No |
| 27 | GOM_NL__2PRFIN20090528_032450_000000362079_00233_37862_8422.N1 | 28-MAY-2009 03:24:50 | Bright | 36.000 | 86 | 35Eta Oph | 2.4300 | 10200. | 72 | 37862 | No |
| 28 | GOM_NL__2PRFIN20090528_032645_000000332079_00233_37862_8423.N1 | 28-MAY-2009 03:26:45 | Bright | 33.000 | 98 | 13Zet Oph | 2.5710 | 30000. | 66 | 37862 | No |
| 29 | GOM_NL__2PRFIN20090528_032900_000000322079_00233_37862_8424.N1 | 28-MAY-2009 03:29:00 | Bright | 31.500 | 120 | 1Del Oph | 2.7340 | 3200.0 | 63 | 37862 | No |
| 30 | GOM_NL__2PRFIN20090528_033730_000000362079_00233_37862_8425.N1 | 28-MAY-2009 03:37:30 | Bright | 35.500 | 127 | 27Bet Her | 2.7810 | 4700.0 | 71 | 37862 | No |
| 31 | GOM_NL__2PRFIN20090528_034103_000000372079_00233_37862_8426.N1 | 28-MAY-2009 03:41:03 | Bright | 36.500 | 133 | 40Zet Her | 2.8070 | 6000.0 | 73 | 37862 | No |
| 32 | GOM_NL__2PRFIN20090528_034838_000000362079_00233_37862_8427.N1 | 28-MAY-2009 03:48:38 | Bright | 36.000 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 72 | 37862 | No |
| 33 | GOM_NL__2PRFIN20090528_035925_000000332079_00233_37862_8428.N1 | 28-MAY-2009 03:59:25 | Twilight | 32.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 65 | 37862 | No |
| 34 | GOM_NL__2PRFIN20090528_041409_000000282079_00233_37862_8429.N1 | 28-MAY-2009 04:14:09 | Twilight | 28.000 | 58 | 21Alp And | 2.0730 | 11000. | 56 | 37862 | No |
| 35 | GOM_NL__2PRFIN20090528_041851_000000292079_00233_37862_8430.N1 | 28-MAY-2009 04:18:51 | Dark | 29.000 | 140 | 88Gam Peg | 2.8340 | 26000. | 58 | 37862 | No |
| 36 | GOM_NL__2PRFIN20090528_043553_000000392079_00233_37862_8431.N1 | 28-MAY-2009 04:35:53 | Dark | 38.500 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 77 | 37862 | No |
| 37 | GOM_NL__2PRFIN20090528_044135_000000422079_00234_37863_8433.N1 | 28-MAY-2009 04:41:35 | Dark | 41.500 | 172 | Gam Gru | 3.0030 | 13100. | 83 | 37863 | No |
| 38 | GOM_NL__2PRFIN20090528_045621_000000342079_00234_37863_8434.N1 | 28-MAY-2009 04:56:21 | Straylight | 33.500 | 178 | lot1Sco | 3.0220 | 6550.0 | 67 | 37863 | No |
| 39 | GOM_NL__2PRFIN20090528_045740_000000342079_00234_37863_8435.N1 | 28-MAY-2009 04:57:40 | Twilight | 33.500 | 25 | 35Lam Sco | 1.6200 | 28000. | 67 | 37863 | No |
| 40 | GOM_NL__2PRFIN20090528_050526_000000362079_00234_37863_8436.N1 | 28-MAY-2009 05:05:26 | Bright | 35.500 | 86 | 35Eta Oph | 2.4300 | 10200. | 71 | 37863 | No |
| 41 | GOM_NL__2PRFIN20090528_050721_000000332079_00234_37863_8437.N1 | 28-MAY-2009 05:07:21 | Bright | 33.000 | 98 | 13Zet Oph | 2.5710 | 30000. | 66 | 37863 | No |
| 42 | GOM_NL__2PRFIN20090528_050935_000000322079_00234_37863_8438.N1 | 28-MAY-2009 05:09:35 | Bright | 32.000 | 120 | 1Del Oph | 2.7340 | 3200.0 | 64 | 37863 | No |

| | | | | | | | | | | | |
|-----|--|----------------------|----------------|--------|-----|-----------|--------|--------|----|-------|----|
| 43 | GOM_NL__2PRFIN20090528_051805_000000362079_00234_37863_8439.N1 | 28-MAY-2009 05:18:05 | Bright | 35.500 | 127 | 27Bet Her | 2.7810 | 4700.0 | 71 | 37863 | No |
| 44 | GOM_NL__2PRFIN20090528_052138_000000372079_00234_37863_8440.N1 | 28-MAY-2009 05:21:38 | Bright | 36.500 | 133 | 40Zet Her | 2.8070 | 6000.0 | 73 | 37863 | No |
| 45 | GOM_NL__2PRFIN20090528_052914_000000362079_00234_37863_8441.N1 | 28-MAY-2009 05:29:14 | Bright | 36.000 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 72 | 37863 | No |
| 46 | GOM_NL__2PRFIN20090528_054000_000000332079_00234_37863_8442.N1 | 28-MAY-2009 05:40:00 | Tw_i_and_stray | 32.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 65 | 37863 | No |
| 47 | GOM_NL__2PRFIN20090528_055446_000000282079_00234_37863_8443.N1 | 28-MAY-2009 05:54:46 | Tw_i_and_stray | 28.000 | 58 | 21Alp And | 2.0730 | 11000. | 56 | 37863 | No |
| 48 | GOM_NL__2PRFIN20090528_055927_000000292079_00234_37863_8444.N1 | 28-MAY-2009 05:59:27 | Dark | 29.000 | 140 | 88Gam Peg | 2.8340 | 26000. | 58 | 37863 | No |
| 49 | GOM_NL__2PRFIN20090528_061630_000000392079_00234_37863_8445.N1 | 28-MAY-2009 06:16:30 | Dark | 38.500 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 77 | 37863 | No |
| 50 | GOM_NL__2PRFIN20090528_062212_000000422079_00235_37864_8447.N1 | 28-MAY-2009 06:22:12 | Dark | 41.500 | 172 | Gam Gru | 3.0030 | 13100. | 83 | 37864 | No |
| 51 | GOM_NL__2PRFIN20090528_063658_000000342079_00235_37864_8448.N1 | 28-MAY-2009 06:36:58 | Straylight | 33.500 | 178 | lot1Sco | 3.0220 | 6550.0 | 67 | 37864 | No |
| 52 | GOM_NL__2PRFIN20090528_063817_000000332079_00235_37864_8449.N1 | 28-MAY-2009 06:38:17 | Tw_i_and_stray | 32.500 | 25 | 35Lam Sco | 1.6200 | 28000. | 65 | 37864 | No |
| 53 | GOM_NL__2PRFIN20090528_064602_000000362079_00235_37864_8450.N1 | 28-MAY-2009 06:46:02 | Bright | 35.500 | 86 | 35Eta Oph | 2.4300 | 10200. | 71 | 37864 | No |
| 54 | GOM_NL__2PRFIN20090528_064758_000000322079_00235_37864_8451.N1 | 28-MAY-2009 06:47:58 | Bright | 32.000 | 98 | 13Zet Oph | 2.5710 | 30000. | 64 | 37864 | No |
| 55 | GOM_NL__2PRFIN20090528_065012_000000312079_00235_37864_8452.N1 | 28-MAY-2009 06:50:12 | Bright | 31.000 | 120 | 1Del Oph | 2.7340 | 3200.0 | 62 | 37864 | No |
| 56 | GOM_NL__2PRFIN20090528_065841_000000362079_00235_37864_8453.N1 | 28-MAY-2009 06:58:41 | Bright | 35.500 | 127 | 27Bet Her | 2.7810 | 4700.0 | 71 | 37864 | No |
| 57 | GOM_NL__2PRFIN20090528_070214_000000372079_00235_37864_8454.N1 | 28-MAY-2009 07:02:14 | Bright | 36.500 | 133 | 40Zet Her | 2.8070 | 6000.0 | 73 | 37864 | No |
| 58 | GOM_NL__2PRFIN20090528_070949_000000362079_00235_37864_8455.N1 | 28-MAY-2009 07:09:49 | Bright | 36.000 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 72 | 37864 | No |
| 59 | GOM_NL__2PRFIN20090528_072036_000000322079_00235_37864_8456.N1 | 28-MAY-2009 07:20:36 | Tw_i_and_stray | 32.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 64 | 37864 | No |
| 60 | GOM_NL__2PRFIN20090528_073522_000000282079_00235_37864_8457.N1 | 28-MAY-2009 07:35:22 | Tw_i_and_stray | 28.000 | 58 | 21Alp And | 2.0730 | 11000. | 56 | 37864 | No |
| 61 | GOM_NL__2PRFIN20090528_074004_000000292079_00235_37864_8458.N1 | 28-MAY-2009 07:40:04 | Dark | 29.000 | 140 | 88Gam Peg | 2.8340 | 26000. | 58 | 37864 | No |
| 62 | GOM_NL__2PRFIN20090528_075707_000000392079_00235_37864_8459.N1 | 28-MAY-2009 07:57:07 | Dark | 38.500 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 77 | 37864 | No |
| 63 | GOM_NL__2PRFIN20090528_080249_000000422079_00236_37865_8466.N1 | 28-MAY-2009 08:02:49 | Dark | 41.500 | 172 | Gam Gru | 3.0030 | 13100. | 83 | 37865 | No |
| 64 | GOM_NL__2PRFIN20090528_081734_000000332079_00236_37865_8467.N1 | 28-MAY-2009 08:17:34 | Straylight | 33.000 | 178 | lot1Sco | 3.0220 | 6550.0 | 66 | 37865 | No |
| 65 | GOM_NL__2PRFIN20090528_081853_000000332079_00236_37865_8468.N1 | 28-MAY-2009 08:18:53 | Tw_i_and_stray | 33.000 | 25 | 35Lam Sco | 1.6200 | 28000. | 66 | 37865 | No |
| 66 | GOM_NL__2PRFIN20090528_082638_000000362079_00236_37865_8469.N1 | 28-MAY-2009 08:26:38 | Bright | 35.500 | 86 | 35Eta Oph | 2.4300 | 10200. | 71 | 37865 | No |
| 67 | GOM_NL__2PRFIN20090528_082834_000000322079_00236_37865_8470.N1 | 28-MAY-2009 08:28:34 | Bright | 32.000 | 98 | 13Zet Oph | 2.5710 | 30000. | 64 | 37865 | No |
| 68 | GOM_NL__2PRFIN20090528_083047_000000322079_00236_37865_8471.N1 | 28-MAY-2009 08:30:47 | Bright | 31.500 | 120 | 1Del Oph | 2.7340 | 3200.0 | 63 | 37865 | No |
| 69 | GOM_NL__2PRFIN20090528_083916_000000362079_00236_37865_8472.N1 | 28-MAY-2009 08:39:16 | Bright | 35.500 | 127 | 27Bet Her | 2.7810 | 4700.0 | 71 | 37865 | No |
| 70 | GOM_NL__2PRFIN20090528_084250_000000362079_00236_37865_8473.N1 | 28-MAY-2009 08:42:50 | Bright | 36.000 | 133 | 40Zet Her | 2.8070 | 6000.0 | 72 | 37865 | No |
| 71 | GOM_NL__2PRFIN20090528_085024_000000362079_00236_37865_8474.N1 | 28-MAY-2009 08:50:24 | Bright | 36.000 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 72 | 37865 | No |
| 72 | GOM_NL__2PRFIN20090528_090111_000000332079_00236_37865_8475.N1 | 28-MAY-2009 09:01:11 | Tw_i_and_stray | 32.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 65 | 37865 | No |
| 73 | GOM_NL__2PRFIN20090528_091558_000000282079_00236_37865_8476.N1 | 28-MAY-2009 09:15:58 | Tw_i_and_stray | 28.000 | 58 | 21Alp And | 2.0730 | 11000. | 56 | 37865 | No |
| 74 | GOM_NL__2PRFIN20090528_092040_000000292079_00236_37865_8477.N1 | 28-MAY-2009 09:20:40 | Dark | 29.000 | 140 | 88Gam Peg | 2.8340 | 26000. | 58 | 37865 | No |
| 75 | GOM_NL__2PRFIN20090528_093744_000000392079_00236_37865_8478.N1 | 28-MAY-2009 09:37:44 | Dark | 39.000 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 78 | 37865 | No |
| 76 | GOM_NL__2PRFIN20090528_094327_000000422079_00237_37866_8466.N1 | 28-MAY-2009 09:43:27 | Dark | 42.000 | 172 | Gam Gru | 3.0030 | 13100. | 84 | 37866 | No |
| 77 | GOM_NL__2PRFIN20090528_095811_000000332079_00237_37866_8467.N1 | 28-MAY-2009 09:58:11 | Straylight | 33.000 | 178 | lot1Sco | 3.0220 | 6550.0 | 66 | 37866 | No |
| 78 | GOM_NL__2PRFIN20090528_095930_000000332079_00237_37866_8468.N1 | 28-MAY-2009 09:59:30 | Tw_i_and_stray | 33.000 | 25 | 35Lam Sco | 1.6200 | 28000. | 66 | 37866 | No |
| 79 | GOM_NL__2PRFIN20090528_100714_000000362079_00237_37866_8469.N1 | 28-MAY-2009 10:07:14 | Bright | 35.500 | 86 | 35Eta Oph | 2.4300 | 10200. | 71 | 37866 | No |
| 80 | GOM_NL__2PRFIN20090528_100909_000000332079_00237_37866_8470.N1 | 28-MAY-2009 10:09:09 | Bright | 32.500 | 98 | 13Zet Oph | 2.5710 | 30000. | 65 | 37866 | No |
| 81 | GOM_NL__2PRFIN20090528_101123_000000312079_00237_37866_8471.N1 | 28-MAY-2009 10:11:23 | Bright | 31.000 | 120 | 1Del Oph | 2.7340 | 3200.0 | 62 | 37866 | No |
| 82 | GOM_NL__2PRFIN20090528_101951_000000362079_00237_37866_8472.N1 | 28-MAY-2009 10:19:51 | Bright | 35.500 | 127 | 27Bet Her | 2.7810 | 4700.0 | 71 | 37866 | No |
| 83 | GOM_NL__2PRFIN20090528_102324_000000362079_00237_37866_8473.N1 | 28-MAY-2009 10:23:24 | Bright | 36.000 | 133 | 40Zet Her | 2.8070 | 6000.0 | 72 | 37866 | No |
| 84 | GOM_NL__2PRFIN20090528_103059_000000362079_00237_37866_8474.N1 | 28-MAY-2009 10:30:59 | Bright | 36.000 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 72 | 37866 | No |
| 85 | GOM_NL__2PRFIN20090528_104146_000000332079_00237_37866_8475.N1 | 28-MAY-2009 10:41:46 | Tw_i_and_stray | 32.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 65 | 37866 | No |
| 86 | GOM_NL__2PRFIN20090528_105634_000000282079_00237_37866_8476.N1 | 28-MAY-2009 10:56:34 | Tw_i_and_stray | 28.000 | 58 | 21Alp And | 2.0730 | 11000. | 56 | 37866 | No |
| 87 | GOM_NL__2PRFIN20090528_110116_000000292079_00237_37866_8477.N1 | 28-MAY-2009 11:01:16 | Dark | 29.000 | 140 | 88Gam Peg | 2.8340 | 26000. | 58 | 37866 | No |
| 88 | GOM_NL__2PRFIN20090528_111821_000000392079_00237_37866_8478.N1 | 28-MAY-2009 11:18:21 | Dark | 38.500 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 77 | 37866 | No |
| 89 | GOM_NL__2PRFIN20090528_112404_000000422079_00238_37867_8477.N1 | 28-MAY-2009 11:24:04 | Dark | 41.500 | 172 | Gam Gru | 3.0030 | 13100. | 83 | 37867 | No |
| 90 | GOM_NL__2PRFIN20090528_113848_000000332079_00238_37867_8478.N1 | 28-MAY-2009 11:38:48 | Straylight | 32.500 | 178 | lot1Sco | 3.0220 | 6550.0 | 65 | 37867 | No |
| 91 | GOM_NL__2PRFIN20090528_114006_000000332079_00238_37867_8479.N1 | 28-MAY-2009 11:40:06 | Tw_i_and_stray | 32.500 | 25 | 35Lam Sco | 1.6200 | 28000. | 65 | 37867 | No |
| 92 | GOM_NL__2PRFIN20090528_114750_000000352079_00238_37867_8480.N1 | 28-MAY-2009 11:47:50 | Bright | 35.000 | 86 | 35Eta Oph | 2.4300 | 10200. | 70 | 37867 | No |
| 93 | GOM_NL__2PRFIN20090528_114945_000000322079_00238_37867_8481.N1 | 28-MAY-2009 11:49:45 | Bright | 32.000 | 98 | 13Zet Oph | 2.5710 | 30000. | 64 | 37867 | No |
| 94 | GOM_NL__2PRFIN20090528_115159_000000312079_00238_37867_8482.N1 | 28-MAY-2009 11:51:59 | Bright | 31.000 | 120 | 1Del Oph | 2.7340 | 3200.0 | 62 | 37867 | No |
| 95 | GOM_NL__2PRFIN20090528_120027_000000362079_00238_37867_8483.N1 | 28-MAY-2009 12:00:27 | Bright | 35.500 | 127 | 27Bet Her | 2.7810 | 4700.0 | 71 | 37867 | No |
| 96 | GOM_NL__2PRFIN20090528_120400_000000362079_00238_37867_8484.N1 | 28-MAY-2009 12:04:00 | Bright | 36.000 | 133 | 40Zet Her | 2.8070 | 6000.0 | 72 | 37867 | No |
| 97 | GOM_NL__2PRFIN20090528_121135_000000362079_00238_37867_8485.N1 | 28-MAY-2009 12:11:35 | Bright | 36.000 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 72 | 37867 | No |
| 98 | GOM_NL__2PRFIN20090528_122222_000000332079_00238_37867_8486.N1 | 28-MAY-2009 12:22:22 | Tw_i_and_stray | 32.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 65 | 37867 | No |
| 99 | GOM_NL__2PRFIN20090528_123710_000000282079_00238_37867_8487.N1 | 28-MAY-2009 12:37:10 | Tw_i_and_stray | 28.000 | 58 | 21Alp And | 2.0730 | 11000. | 56 | 37867 | No |
| 100 | GOM_NL__2PRFIN20090528_124153_000000292079_00238_37867_8488.N1 | 28-MAY-2009 12:41:53 | Dark | 29.000 | 140 | 88Gam Peg | 2.8340 | 26000. | 58 | 37867 | No |
| 101 | GOM_NL__2PRFIN20090528_125858_000000392079_00238_37867_8489.N1 | 28-MAY-2009 12:58:58 | Dark | 38.500 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 77 | 37867 | No |

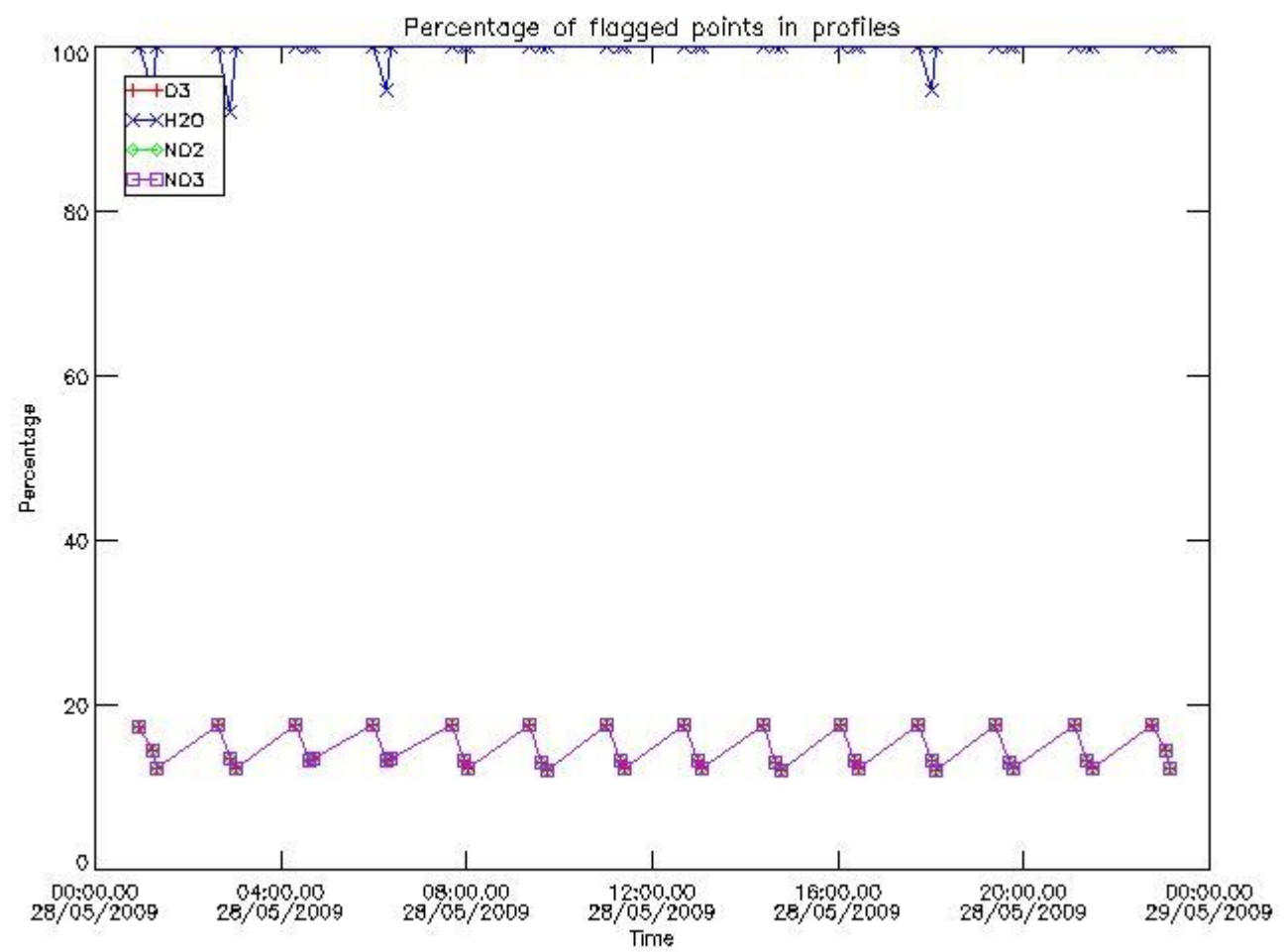
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|-----|--|----------------------|------------|--------|-----|-----------|--------|--------|----|-------|----|
| 102 | GOM_NL__2PRFIN20090528_130441_000000422079_00239_37868_8523.N1 | 28-MAY-2009 13:04:41 | Dark | 41.500 | 172 | Gam Gru | 3.0030 | 13100. | 83 | 37868 | No |
| 103 | GOM_NL__2PRFIN20090528_131924_000000332079_00239_37868_8524.N1 | 28-MAY-2009 13:19:24 | Straylight | 33.000 | 178 | lot1Sco | 3.0220 | 6550.0 | 66 | 37868 | No |
| 104 | GOM_NL__2PRFIN20090528_132042_000000322079_00239_37868_8525.N1 | 28-MAY-2009 13:20:42 | Twilight | 32.000 | 25 | 35Lam Sco | 1.6200 | 28000. | 64 | 37868 | No |
| 105 | GOM_NL__2PRFIN20090528_132826_000000362079_00239_37868_8526.N1 | 28-MAY-2009 13:28:26 | Bright | 35.500 | 86 | 35Eta Oph | 2.4300 | 10200. | 71 | 37868 | No |
| 106 | GOM_NL__2PRFIN20090528_133021_000000332079_00239_37868_8527.N1 | 28-MAY-2009 13:30:21 | Bright | 32.500 | 98 | 13Zet Oph | 2.5710 | 30000. | 65 | 37868 | No |
| 107 | GOM_NL__2PRFIN20090528_133235_000000322079_00239_37868_8528.N1 | 28-MAY-2009 13:32:35 | Bright | 31.500 | 120 | 1Del Oph | 2.7340 | 3200.0 | 63 | 37868 | No |
| 108 | GOM_NL__2PRFIN20090528_134103_000000352079_00239_37868_8529.N1 | 28-MAY-2009 13:41:03 | Bright | 35.000 | 127 | 27Bet Her | 2.7810 | 4700.0 | 70 | 37868 | No |
| 109 | GOM_NL__2PRFIN20090528_134435_000000362079_00239_37868_8530.N1 | 28-MAY-2009 13:44:35 | Bright | 36.000 | 133 | 40Zet Her | 2.8070 | 6000.0 | 72 | 37868 | No |
| 110 | GOM_NL__2PRFIN20090528_135210_000000362079_00239_37868_8531.N1 | 28-MAY-2009 13:52:10 | Bright | 35.500 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 71 | 37868 | No |
| 111 | GOM_NL__2PRFIN20090528_141746_000000282079_00239_37868_8532.N1 | 28-MAY-2009 14:17:46 | Twilight | 28.000 | 58 | 21Alp And | 2.0730 | 11000. | 56 | 37868 | No |
| 112 | GOM_NL__2PRFIN20090528_142229_000000292079_00239_37868_8533.N1 | 28-MAY-2009 14:22:29 | Dark | 29.000 | 140 | 88Gam Peg | 2.8340 | 26000. | 58 | 37868 | No |
| 113 | GOM_NL__2PRFIN20090528_143936_000000392079_00239_37868_8534.N1 | 28-MAY-2009 14:39:36 | Dark | 39.000 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 78 | 37868 | No |
| 114 | GOM_NL__2PRFIN20090528_144518_000000422079_00240_37869_8537.N1 | 28-MAY-2009 14:45:18 | Dark | 42.000 | 172 | Gam Gru | 3.0030 | 13100. | 84 | 37869 | No |
| 115 | GOM_NL__2PRFIN20090528_150000_000000342079_00240_37869_8538.N1 | 28-MAY-2009 15:00:00 | Straylight | 33.500 | 178 | lot1Sco | 3.0220 | 6550.0 | 67 | 37869 | No |
| 116 | GOM_NL__2PRFIN20090528_150118_000000332079_00240_37869_8539.N1 | 28-MAY-2009 15:01:18 | Twilight | 32.500 | 25 | 35Lam Sco | 1.6200 | 28000. | 65 | 37869 | No |
| 117 | GOM_NL__2PRFIN20090528_150902_000000362079_00240_37869_8540.N1 | 28-MAY-2009 15:09:02 | Bright | 35.500 | 86 | 35Eta Oph | 2.4300 | 10200. | 71 | 37869 | No |
| 118 | GOM_NL__2PRFIN20090528_151057_000000322079_00240_37869_8541.N1 | 28-MAY-2009 15:10:57 | Bright | 32.000 | 98 | 13Zet Oph | 2.5710 | 30000. | 64 | 37869 | No |
| 119 | GOM_NL__2PRFIN20090528_151311_000000322079_00240_37869_8542.N1 | 28-MAY-2009 15:13:11 | Bright | 31.500 | 120 | 1Del Oph | 2.7340 | 3200.0 | 63 | 37869 | No |
| 120 | GOM_NL__2PRFIN20090528_152138_000000362079_00240_37869_8543.N1 | 28-MAY-2009 15:21:38 | Bright | 35.500 | 127 | 27Bet Her | 2.7810 | 4700.0 | 71 | 37869 | No |
| 121 | GOM_NL__2PRFIN20090528_152510_000000362079_00240_37869_8544.N1 | 28-MAY-2009 15:25:10 | Bright | 36.000 | 133 | 40Zet Her | 2.8070 | 6000.0 | 72 | 37869 | No |
| 122 | GOM_NL__2PRFIN20090528_153245_000000362079_00240_37869_8545.N1 | 28-MAY-2009 15:32:45 | Bright | 36.000 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 72 | 37869 | No |
| 123 | GOM_NL__2PRFIN20090528_154333_000000322079_00240_37869_8546.N1 | 28-MAY-2009 15:43:33 | Twilight | 32.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 64 | 37869 | No |
| 124 | GOM_NL__2PRFIN20090528_155822_000000282079_00240_37869_8547.N1 | 28-MAY-2009 15:58:22 | Twilight | 27.500 | 58 | 21Alp And | 2.0730 | 11000. | 55 | 37869 | No |
| 125 | GOM_NL__2PRFIN20090528_160306_000000292079_00240_37869_8548.N1 | 28-MAY-2009 16:03:06 | Dark | 29.000 | 140 | 88Gam Peg | 2.8340 | 26000. | 58 | 37869 | No |
| 126 | GOM_NL__2PRFIN20090528_162013_000000392079_00240_37869_8549.N1 | 28-MAY-2009 16:20:13 | Dark | 38.500 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 77 | 37869 | No |
| 127 | GOM_NL__2PRFIN20090528_162555_000000422079_00241_37870_8551.N1 | 28-MAY-2009 16:25:55 | Dark | 41.500 | 172 | Gam Gru | 3.0030 | 13100. | 83 | 37870 | No |
| 128 | GOM_NL__2PRFIN20090528_164036_000000332079_00241_37870_8552.N1 | 28-MAY-2009 16:40:36 | Straylight | 33.000 | 178 | lot1Sco | 3.0220 | 6550.0 | 66 | 37870 | No |
| 129 | GOM_NL__2PRFIN20090528_164155_000000322079_00241_37870_8553.N1 | 28-MAY-2009 16:41:55 | Twilight | 32.000 | 25 | 35Lam Sco | 1.6200 | 28000. | 64 | 37870 | No |
| 130 | GOM_NL__2PRFIN20090528_164938_000000352079_00241_37870_8554.N1 | 28-MAY-2009 16:49:38 | Bright | 35.000 | 86 | 35Eta Oph | 2.4300 | 10200. | 70 | 37870 | No |
| 131 | GOM_NL__2PRFIN20090528_165133_000000332079_00241_37870_8555.N1 | 28-MAY-2009 16:51:33 | Bright | 32.500 | 98 | 13Zet Oph | 2.5710 | 30000. | 65 | 37870 | No |
| 132 | GOM_NL__2PRFIN20090528_165347_000000312079_00241_37870_8556.N1 | 28-MAY-2009 16:53:47 | Bright | 31.000 | 120 | 1Del Oph | 2.7340 | 3200.0 | 62 | 37870 | No |
| 133 | GOM_NL__2PRFIN20090528_170214_000000352079_00241_37870_8557.N1 | 28-MAY-2009 17:02:14 | Bright | 35.000 | 127 | 27Bet Her | 2.7810 | 4700.0 | 70 | 37870 | No |
| 134 | GOM_NL__2PRFIN20090528_170546_000000362079_00241_37870_8558.N1 | 28-MAY-2009 17:05:46 | Bright | 36.000 | 133 | 40Zet Her | 2.8070 | 6000.0 | 72 | 37870 | No |
| 135 | GOM_NL__2PRFIN20090528_171320_000000362079_00241_37870_8559.N1 | 28-MAY-2009 17:13:20 | Bright | 36.000 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 72 | 37870 | No |
| 136 | GOM_NL__2PRFIN20090528_172408_000000332079_00241_37870_8560.N1 | 28-MAY-2009 17:24:08 | Twilight | 32.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 65 | 37870 | No |
| 137 | GOM_NL__2PRFIN20090528_173858_000000282079_00241_37870_8561.N1 | 28-MAY-2009 17:38:58 | Twilight | 28.000 | 58 | 21Alp And | 2.0730 | 11000. | 56 | 37870 | No |
| 138 | GOM_NL__2PRFIN20090528_174342_000000292079_00241_37870_8562.N1 | 28-MAY-2009 17:43:42 | Dark | 29.000 | 140 | 88Gam Peg | 2.8340 | 26000. | 58 | 37870 | No |
| 139 | GOM_NL__2PRFIN20090528_180050_000000392079_00241_37870_8563.N1 | 28-MAY-2009 18:00:50 | Dark | 38.500 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 77 | 37870 | No |
| 140 | GOM_NL__2PRFIN20090528_180633_000000422079_00242_37871_8567.N1 | 28-MAY-2009 18:06:33 | Dark | 41.500 | 172 | Gam Gru | 3.0030 | 13100. | 83 | 37871 | No |
| 141 | GOM_NL__2PRFIN20090528_182113_000000332079_00242_37871_8568.N1 | 28-MAY-2009 18:21:13 | Straylight | 33.000 | 178 | lot1Sco | 3.0220 | 6550.0 | 66 | 37871 | No |
| 142 | GOM_NL__2PRFIN20090528_182232_000000332079_00242_37871_8569.N1 | 28-MAY-2009 18:22:32 | Twilight | 32.500 | 25 | 35Lam Sco | 1.6200 | 28000. | 65 | 37871 | No |
| 143 | GOM_NL__2PRFIN20090528_183015_000000352079_00242_37871_8570.N1 | 28-MAY-2009 18:30:15 | Bright | 35.000 | 86 | 35Eta Oph | 2.4300 | 10200. | 70 | 37871 | No |
| 144 | GOM_NL__2PRFIN20090528_183209_000000322079_00242_37871_8571.N1 | 28-MAY-2009 18:32:09 | Bright | 32.000 | 98 | 13Zet Oph | 2.5710 | 30000. | 64 | 37871 | No |
| 145 | GOM_NL__2PRFIN20090528_183423_000000312079_00242_37871_8572.N1 | 28-MAY-2009 18:34:23 | Bright | 30.500 | 120 | 1Del Oph | 2.7340 | 3200.0 | 61 | 37871 | No |
| 146 | GOM_NL__2PRFIN20090528_184249_000000352079_00242_37871_8573.N1 | 28-MAY-2009 18:42:49 | Bright | 35.000 | 127 | 27Bet Her | 2.7810 | 4700.0 | 70 | 37871 | No |
| 147 | GOM_NL__2PRFIN20090528_184621_000000372079_00242_37871_8574.N1 | 28-MAY-2009 18:46:21 | Bright | 36.500 | 133 | 40Zet Her | 2.8070 | 6000.0 | 73 | 37871 | No |
| 148 | GOM_NL__2PRFIN20090528_185356_000000362079_00242_37871_8575.N1 | 28-MAY-2009 18:53:56 | Bright | 36.000 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 72 | 37871 | No |
| 149 | GOM_NL__2PRFIN20090528_190443_000000332079_00242_37871_8576.N1 | 28-MAY-2009 19:04:43 | Twilight | 32.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 65 | 37871 | No |
| 150 | GOM_NL__2PRFIN20090528_191935_000000282079_00242_37871_8577.N1 | 28-MAY-2009 19:19:35 | Twilight | 28.000 | 58 | 21Alp And | 2.0730 | 11000. | 56 | 37871 | No |
| 151 | GOM_NL__2PRFIN20090528_192419_000000292079_00242_37871_8578.N1 | 28-MAY-2009 19:24:19 | Dark | 29.000 | 140 | 88Gam Peg | 2.8340 | 26000. | 58 | 37871 | No |
| 152 | GOM_NL__2PRFIN20090528_194127_000000392079_00242_37871_8579.N1 | 28-MAY-2009 19:41:27 | Dark | 39.000 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 78 | 37871 | No |
| 153 | GOM_NL__2PRFIN20090528_194710_000000422079_00243_37872_8583.N1 | 28-MAY-2009 19:47:10 | Dark | 41.500 | 172 | Gam Gru | 3.0030 | 13100. | 83 | 37872 | No |
| 154 | GOM_NL__2PRFIN20090528_200150_000000332079_00243_37872_8584.N1 | 28-MAY-2009 20:01:50 | Straylight | 33.000 | 178 | lot1Sco | 3.0220 | 6550.0 | 66 | 37872 | No |
| 155 | GOM_NL__2PRFIN20090528_200308_000000332079_00243_37872_8585.N1 | 28-MAY-2009 20:03:08 | Twilight | 32.500 | 25 | 35Lam Sco | 1.6200 | 28000. | 65 | 37872 | No |
| 156 | GOM_NL__2PRFIN20090528_201050_000000362079_00243_37872_8586.N1 | 28-MAY-2009 20:10:50 | Bright | 35.500 | 86 | 35Eta Oph | 2.4300 | 10200. | 71 | 37872 | No |
| 157 | GOM_NL__2PRFIN20090528_201245_000000332079_00243_37872_8587.N1 | 28-MAY-2009 20:12:45 | Bright | 32.500 | 98 | 13Zet Oph | 2.5710 | 30000. | 65 | 37872 | No |
| 158 | GOM_NL__2PRFIN20090528_201459_000000312079_00243_37872_8588.N1 | 28-MAY-2009 20:14:59 | Bright | 31.000 | 120 | 1Del Oph | 2.7340 | 3200.0 | 62 | 37872 | No |
| 159 | GOM_NL__2PRFIN20090528_202325_000000352079_00243_37872_8589.N1 | 28-MAY-2009 20:23:25 | Bright | 35.000 | 127 | 27Bet Her | 2.7810 | 4700.0 | 70 | 37872 | No |
| 160 | GOM_NL__2PRFIN20090528_202657_000000362079_00243_37872_8590.N1 | 28-MAY-2009 20:26:57 | Bright | 36.000 | 133 | 40Zet Her | 2.8070 | 6000.0 | 72 | 37872 | No |

| | | | | | | | | | | | |
|-----|--|----------------------|------------|--------|-----|-----------|--------|--------|----|-------|----|
| 161 | GOM_NL__2PRFIN20090528_203431_000000362079_00243_37872_8591.N1 | 28-MAY-2009 20:34:31 | Bright | 35.500 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 71 | 37872 | No |
| 162 | GOM_NL__2PRFIN20090528_204519_000000332079_00243_37872_8592.N1 | 28-MAY-2009 20:45:19 | Twilight | 32.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 65 | 37872 | No |
| 163 | GOM_NL__2PRFIN20090528_210011_000000282079_00243_37872_8593.N1 | 28-MAY-2009 21:00:11 | Twilight | 28.000 | 58 | 21Alp And | 2.0730 | 11000. | 56 | 37872 | No |
| 164 | GOM_NL__2PRFIN20090528_210455_000000292079_00243_37872_8594.N1 | 28-MAY-2009 21:04:55 | Dark | 28.500 | 140 | 88Gam Peg | 2.8340 | 26000. | 57 | 37872 | No |
| 165 | GOM_NL__2PRFIN20090528_212204_000000392079_00243_37872_8595.N1 | 28-MAY-2009 21:22:04 | Dark | 38.500 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 77 | 37872 | No |
| 166 | GOM_NL__2PRFIN20090528_212747_000000422079_00244_37873_8601.N1 | 28-MAY-2009 21:27:47 | Dark | 41.500 | 172 | Gam Gru | 3.0030 | 13100. | 83 | 37873 | No |
| 167 | GOM_NL__2PRFIN20090528_214226_000000332079_00244_37873_8602.N1 | 28-MAY-2009 21:42:26 | Straylight | 33.000 | 178 | lot1Sco | 3.0220 | 6550.0 | 66 | 37873 | No |
| 168 | GOM_NL__2PRFIN20090528_214344_000000332079_00244_37873_8603.N1 | 28-MAY-2009 21:43:44 | Twilight | 32.500 | 25 | 35Lam Sco | 1.6200 | 28000. | 65 | 37873 | No |
| 169 | GOM_NL__2PRFIN20090528_215126_000000352079_00244_37873_8604.N1 | 28-MAY-2009 21:51:26 | Bright | 35.000 | 86 | 35Eta Oph | 2.4300 | 10200. | 70 | 37873 | No |
| 170 | GOM_NL__2PRFIN20090528_215321_000000322079_00244_37873_8605.N1 | 28-MAY-2009 21:53:21 | Bright | 32.000 | 98 | 13Zet Oph | 2.5710 | 30000. | 64 | 37873 | No |
| 171 | GOM_NL__2PRFIN20090528_215539_000000262079_00244_37873_8606.N1 | 28-MAY-2009 21:55:39 | Bright | 26.000 | 120 | 1Del Oph | 2.7340 | 3200.0 | 52 | 37873 | No |
| 172 | GOM_NL__2PRFIN20090528_220400_000000352079_00244_37873_8607.N1 | 28-MAY-2009 22:04:00 | Bright | 35.000 | 127 | 27Bet Her | 2.7810 | 4700.0 | 70 | 37873 | No |
| 173 | GOM_NL__2PRFIN20090528_220732_000000362079_00244_37873_8608.N1 | 28-MAY-2009 22:07:32 | Bright | 35.500 | 133 | 40Zet Her | 2.8070 | 6000.0 | 71 | 37873 | No |
| 174 | GOM_NL__2PRFIN20090528_221506_000000362079_00244_37873_8609.N1 | 28-MAY-2009 22:15:06 | Bright | 35.500 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 71 | 37873 | No |
| 175 | GOM_NL__2PRFIN20090528_222554_000000322079_00244_37873_8610.N1 | 28-MAY-2009 22:25:54 | Twilight | 32.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 64 | 37873 | No |
| 176 | GOM_NL__2PRFIN20090528_224047_000000282079_00244_37873_8611.N1 | 28-MAY-2009 22:40:47 | Twilight | 27.500 | 58 | 21Alp And | 2.0730 | 11000. | 55 | 37873 | No |
| 177 | GOM_NL__2PRFIN20090528_224531_000000292079_00244_37873_8612.N1 | 28-MAY-2009 22:45:31 | Dark | 29.000 | 140 | 88Gam Peg | 2.8340 | 26000. | 58 | 37873 | No |
| 178 | GOM_NL__2PRFIN20090528_230241_000000392079_00244_37873_8613.N1 | 28-MAY-2009 23:02:41 | Dark | 39.000 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 78 | 37873 | No |
| 179 | GOM_NL__2PRFIN20090528_230824_000000422079_00245_37874_8617.N1 | 28-MAY-2009 23:08:24 | Dark | 41.500 | 172 | Gam Gru | 3.0030 | 13100. | 83 | 37874 | No |
| 180 | GOM_NL__2PRFIN20090528_232303_000000332079_00245_37874_8618.N1 | 28-MAY-2009 23:23:03 | Straylight | 32.500 | 178 | lot1Sco | 3.0220 | 6550.0 | 65 | 37874 | No |
| 181 | GOM_NL__2PRFIN20090528_232421_000000322079_00245_37874_8619.N1 | 28-MAY-2009 23:24:21 | Twilight | 32.000 | 25 | 35Lam Sco | 1.6200 | 28000. | 64 | 37874 | No |
| 182 | GOM_NL__2PRFIN20090528_233202_000000352079_00245_37874_8620.N1 | 28-MAY-2009 23:32:02 | Bright | 35.000 | 86 | 35Eta Oph | 2.4300 | 10200. | 70 | 37874 | No |
| 183 | GOM_NL__2PRFIN20090528_233357_000000322079_00245_37874_8621.N1 | 28-MAY-2009 23:33:57 | Bright | 32.000 | 98 | 13Zet Oph | 2.5710 | 30000. | 64 | 37874 | No |
| 184 | GOM_NL__2PRFIN20090528_234435_000000352079_00245_37874_8622.N1 | 28-MAY-2009 23:44:35 | Bright | 34.500 | 127 | 27Bet Her | 2.7810 | 4700.0 | 69 | 37874 | No |
| 185 | GOM_NL__2PRFIN20090528_234807_000000362079_00245_37874_8623.N1 | 28-MAY-2009 23:48:07 | Bright | 36.000 | 133 | 40Zet Her | 2.8070 | 6000.0 | 72 | 37874 | No |
| 186 | GOM_NL__2PRFIN20090528_235541_000000362079_00245_37874_8624.N1 | 28-MAY-2009 23:55:41 | Bright | 35.500 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 71 | 37874 | No |

3. Quality information per product

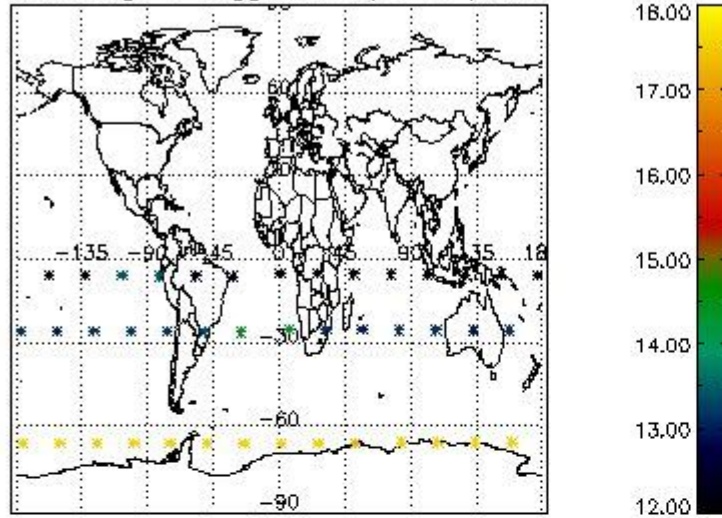
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

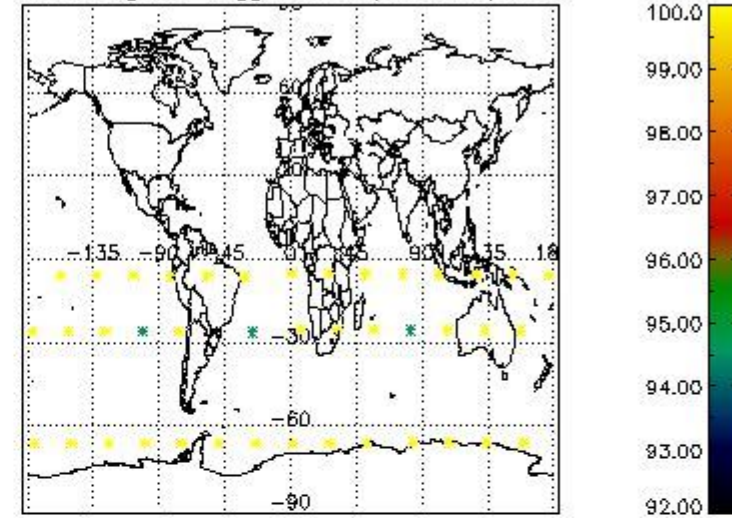


3.2 Plot quality information per product (world map)

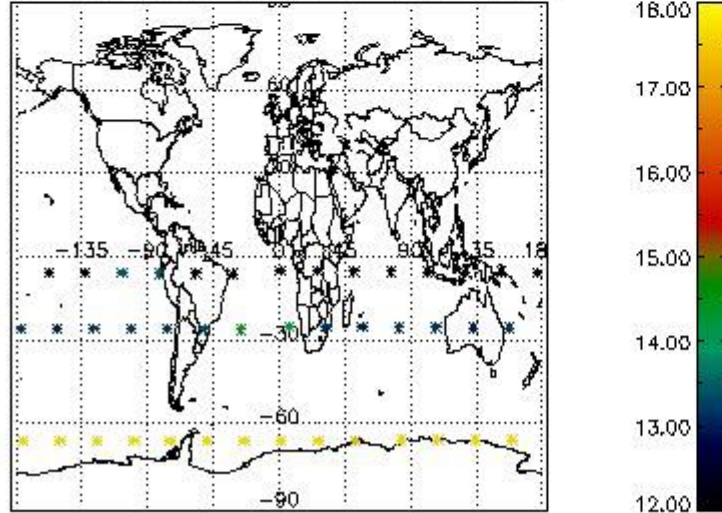
Percentage of flagged data per O3 profile



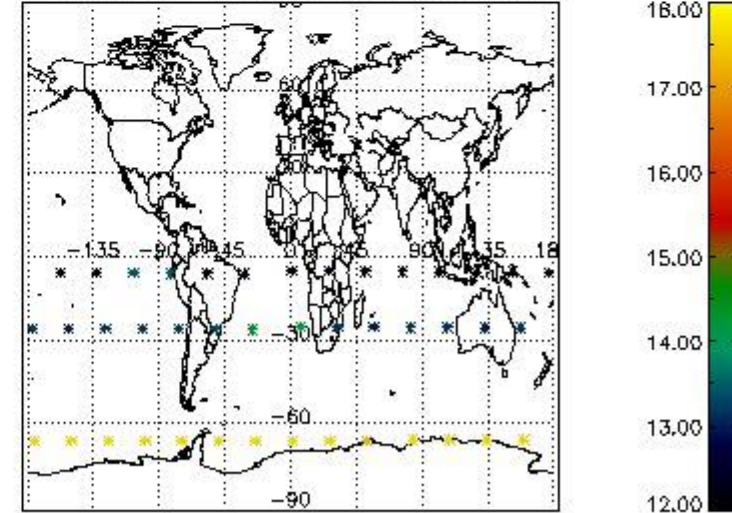
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

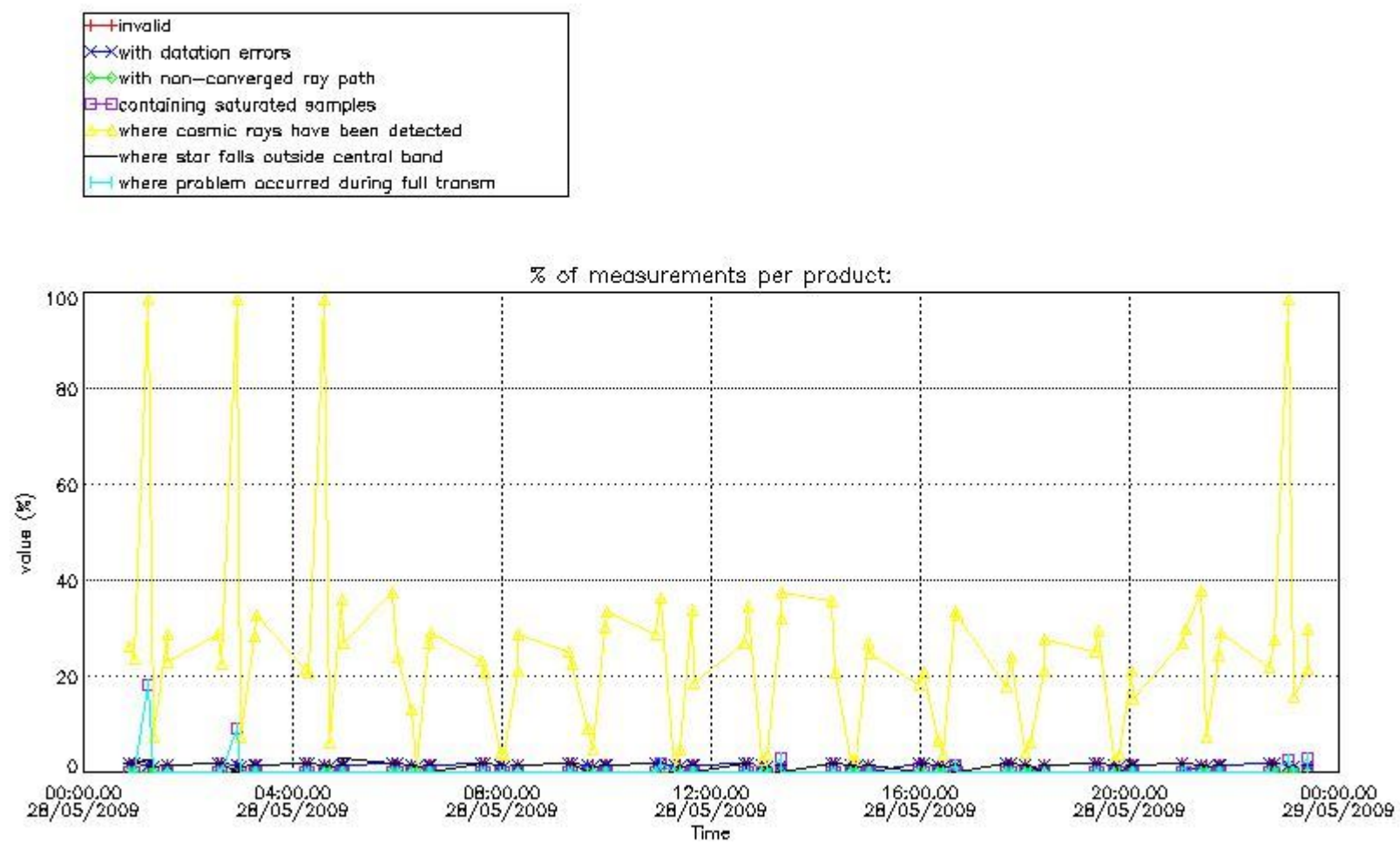


4. Level 1 quality information per product

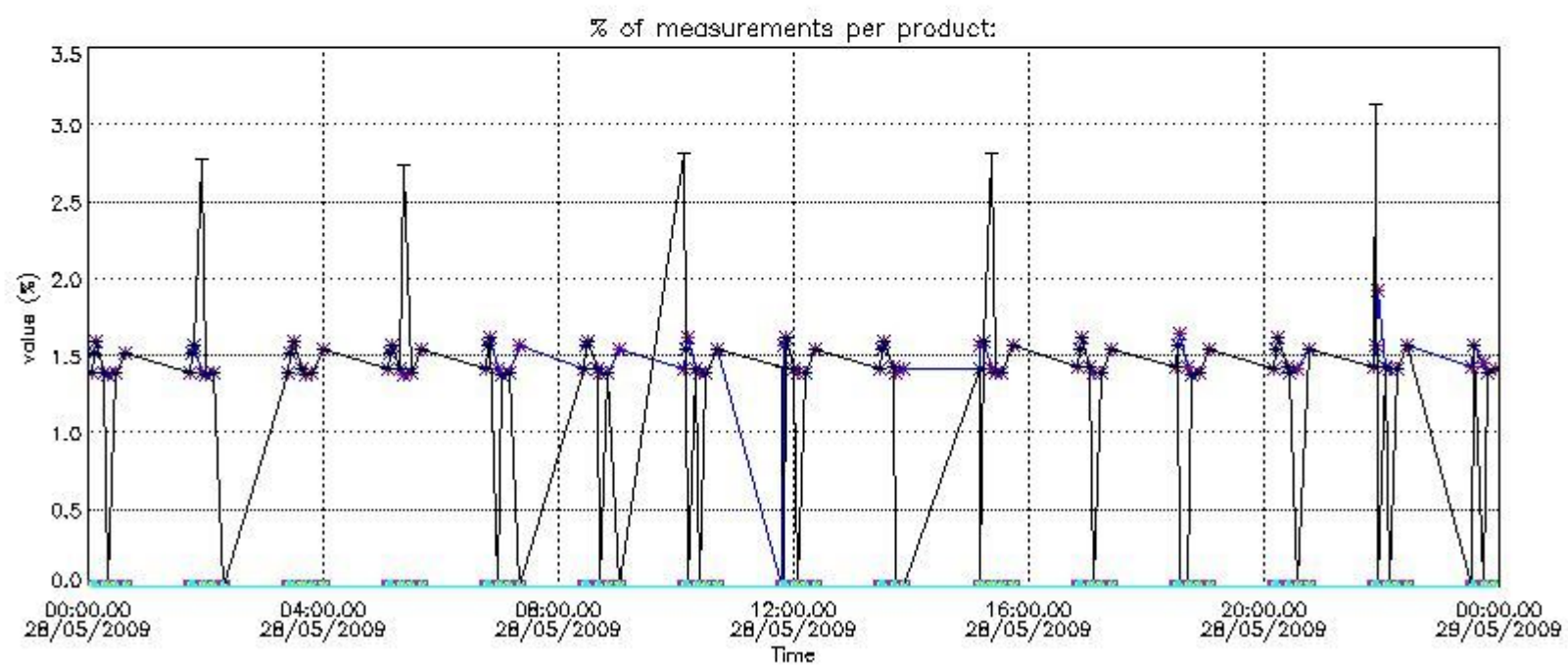
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



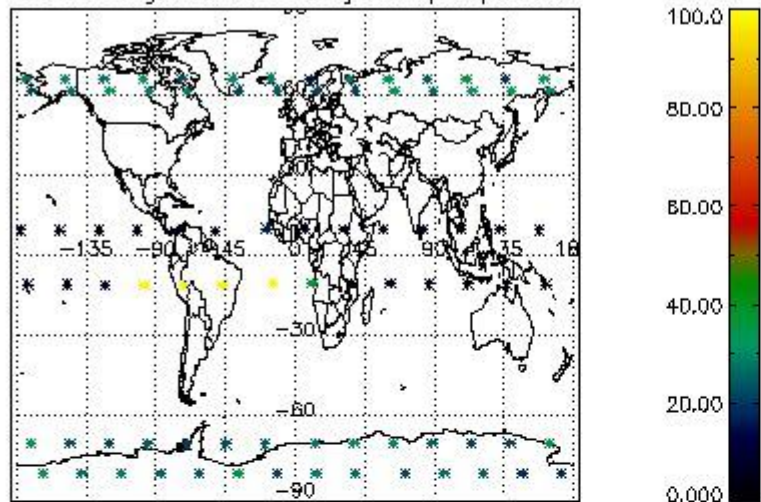
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



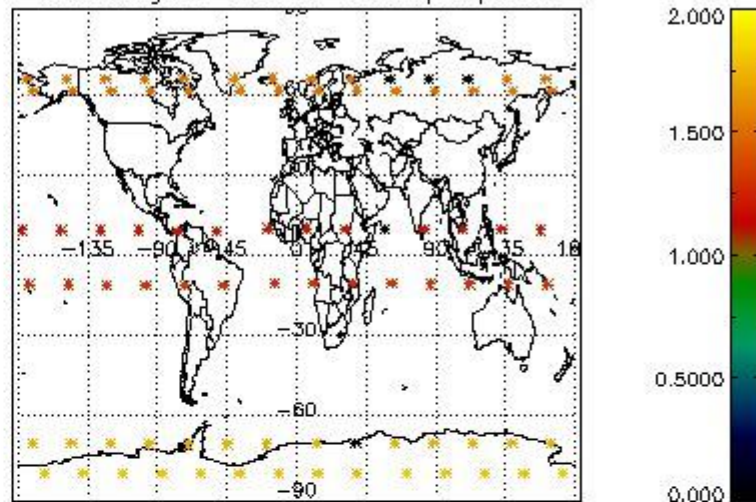
4.2 Plot quality information per product coming from level 1b processing (world map)

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

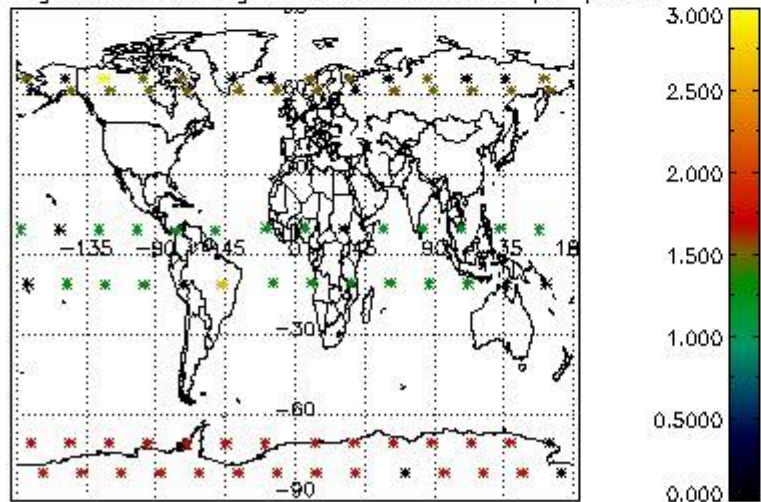
Percentage of cosmic ray hits per profile



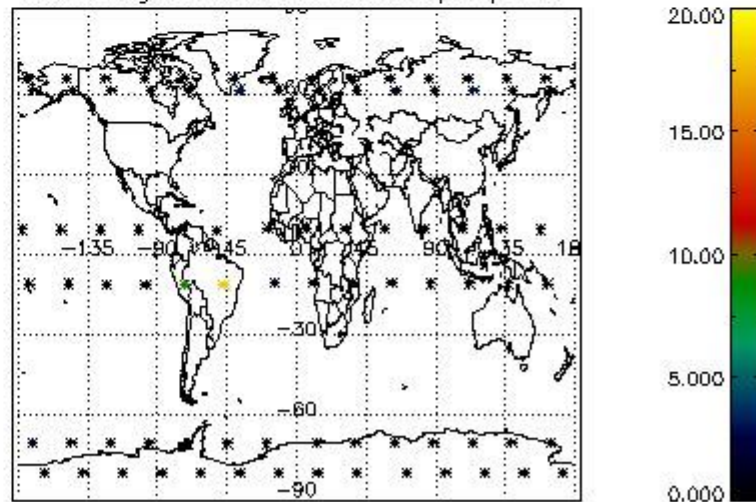
Percentage of datation errors per profile



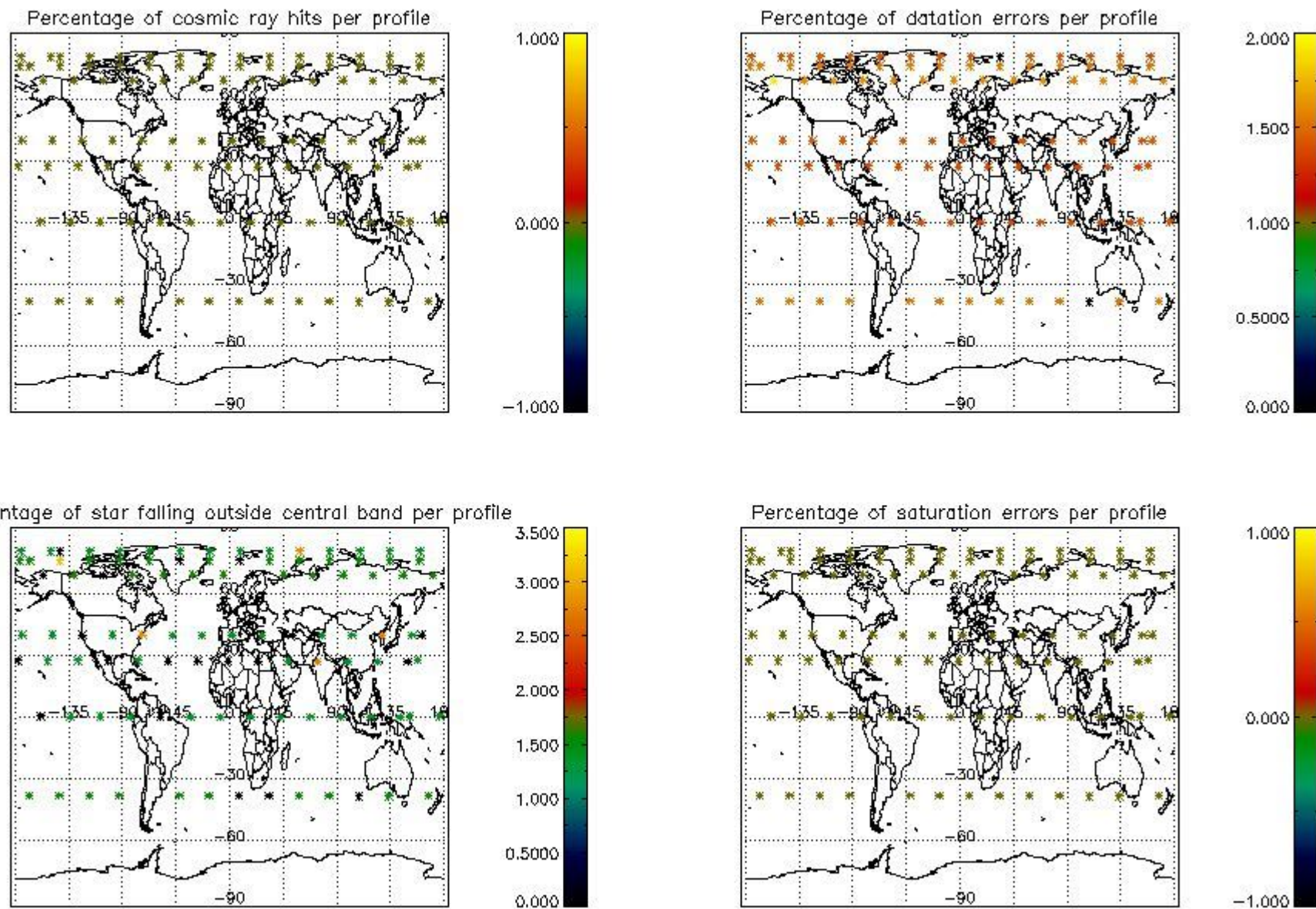
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

The final quality of the products can be "measured" using the STD (Standard Deviation) attached to every point profile. This information is written to the parameter GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/o3_std of the level 2 products. The table below shows the statistics for given STD ranges.

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

- Products without fatal errors: GOM_NL__2P/MPH/PRODUCT_ERR=0
- Valid point profile: GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/pcd(0)=0

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

- Products in dark limb illumination condition: GOM_NL__2P/NL_SUMMARY_QUALITY/obs_ill_cond=0
- Products without fatal errors: GOM_NL__2P/MPH/PRODUCT_ERR=0
- Valid point profile: GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/pcd(0)=0

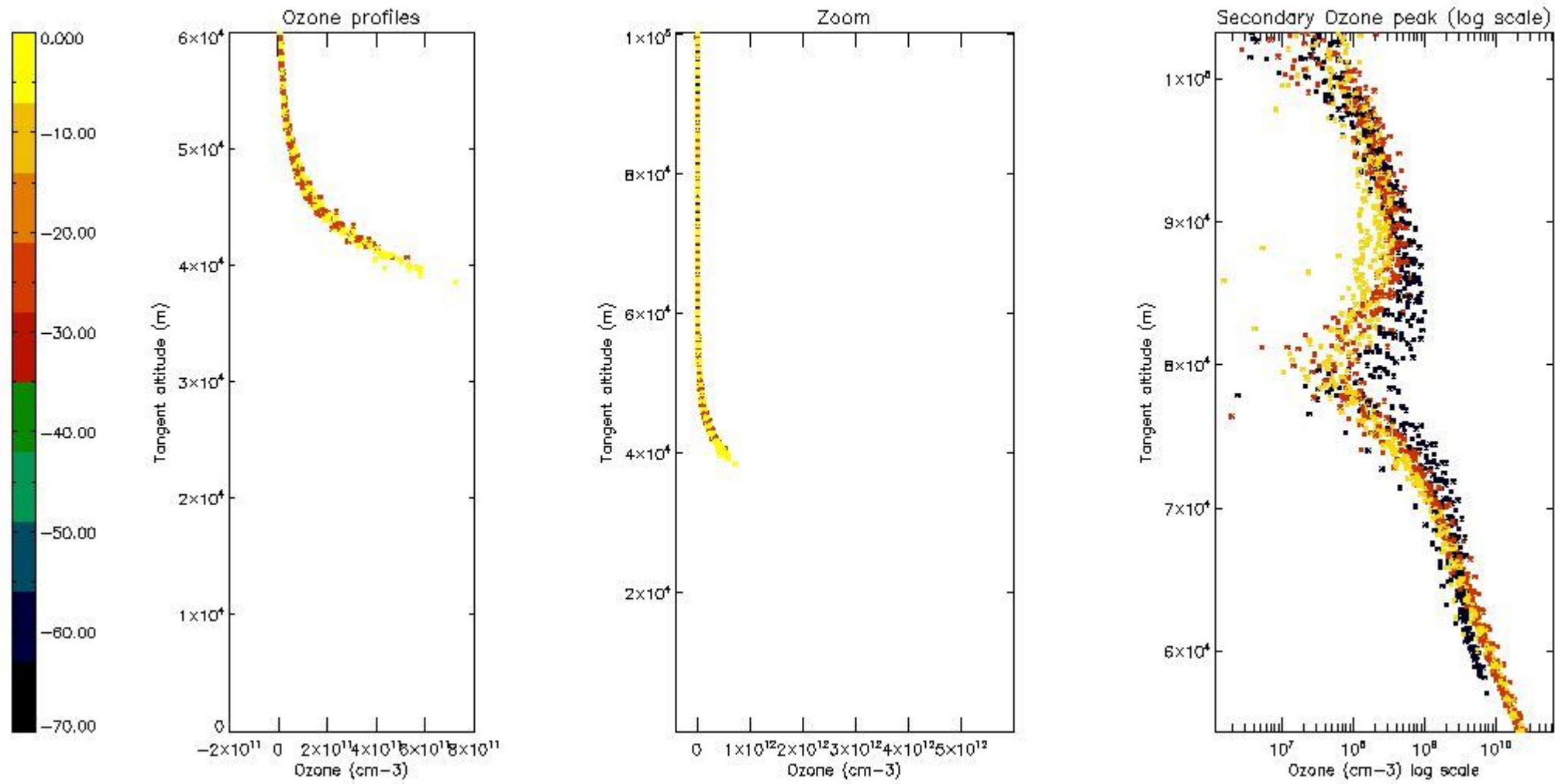
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

| Criteria | % of total production |
|----------|-----------------------|
| All STD | 24 |
| STD < 20 | 12 |

| | |
|----------|---|
| STD < 10 | 9 |
| STD < 5 | 6 |

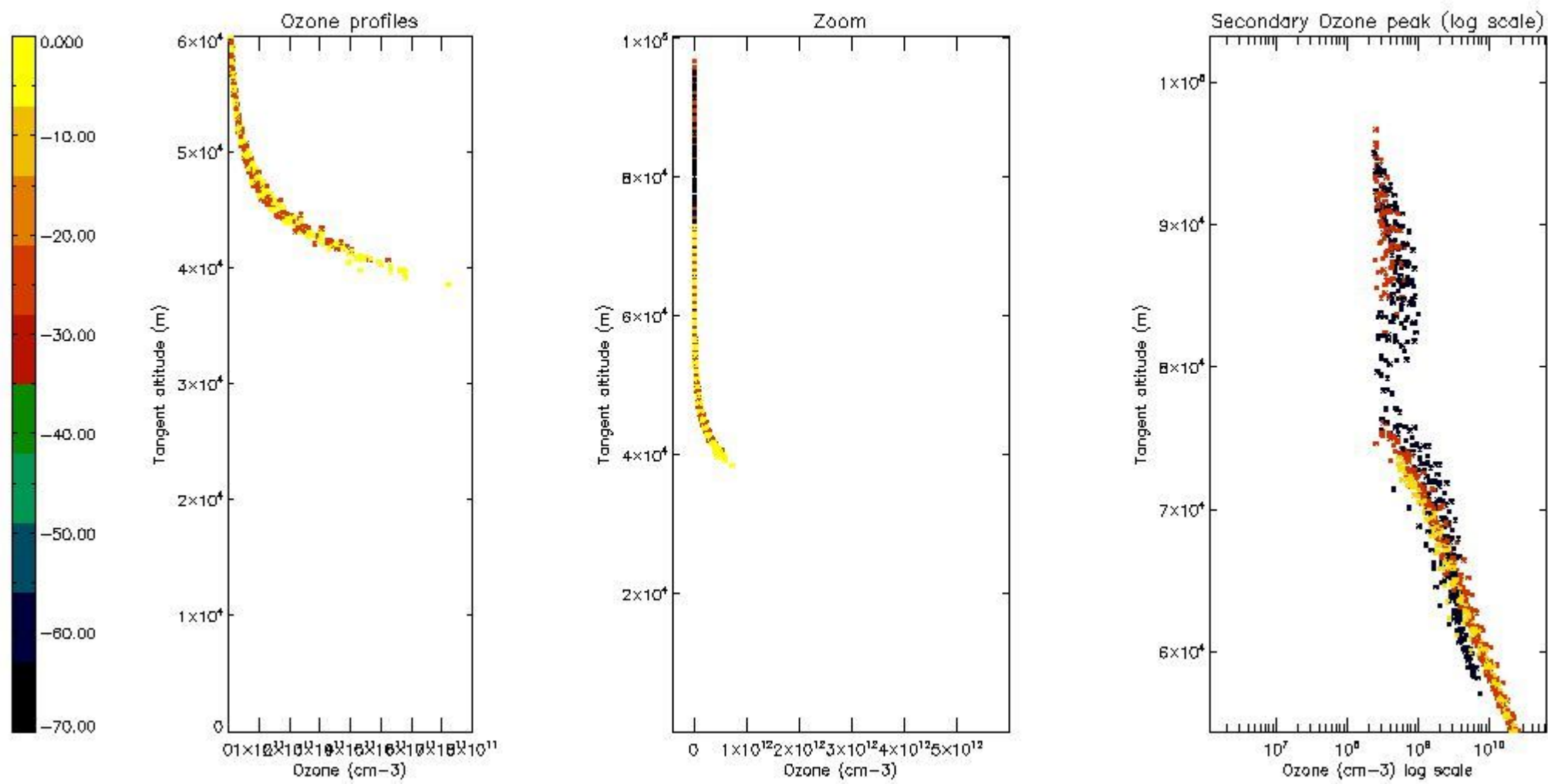
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



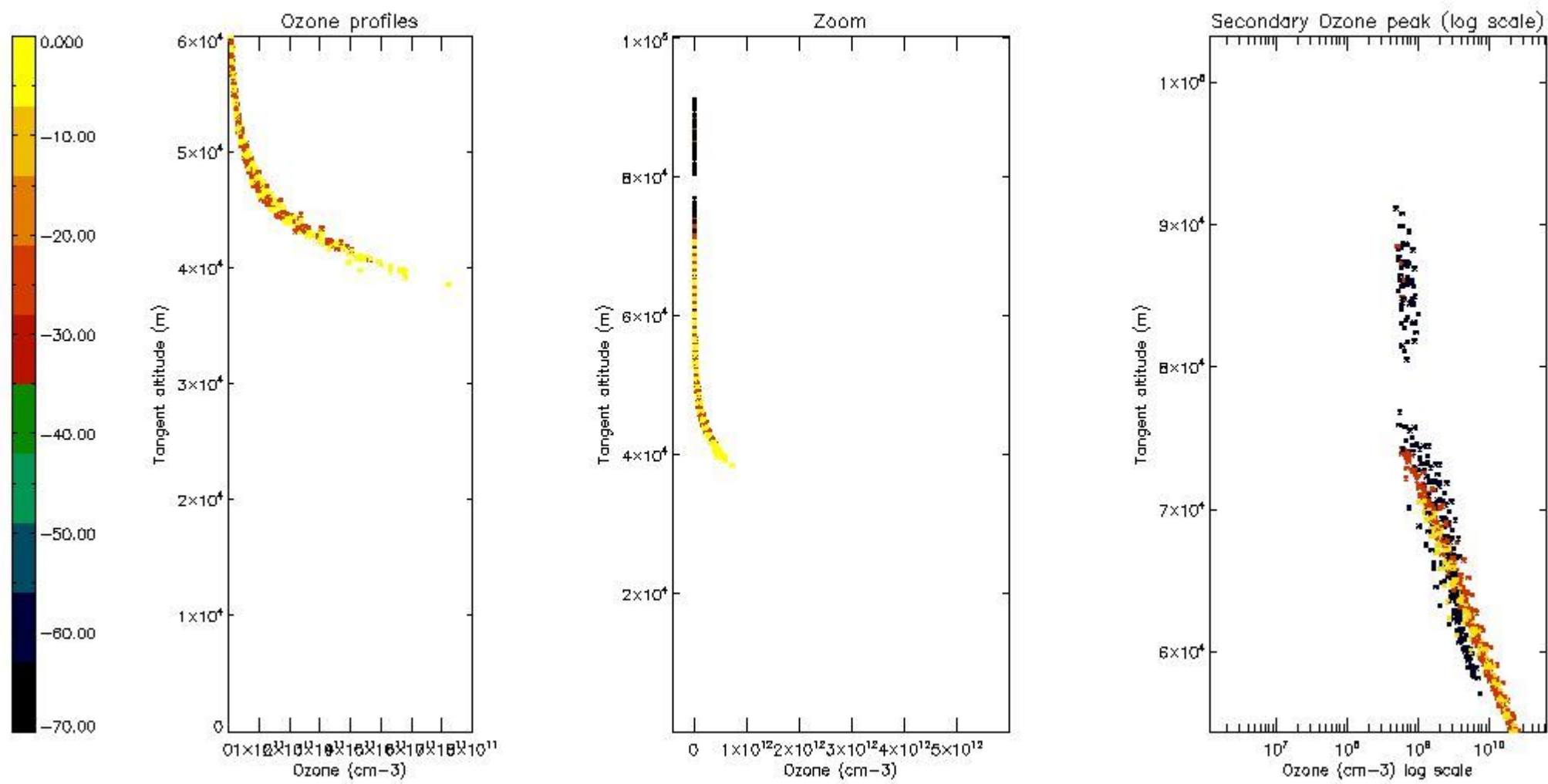
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



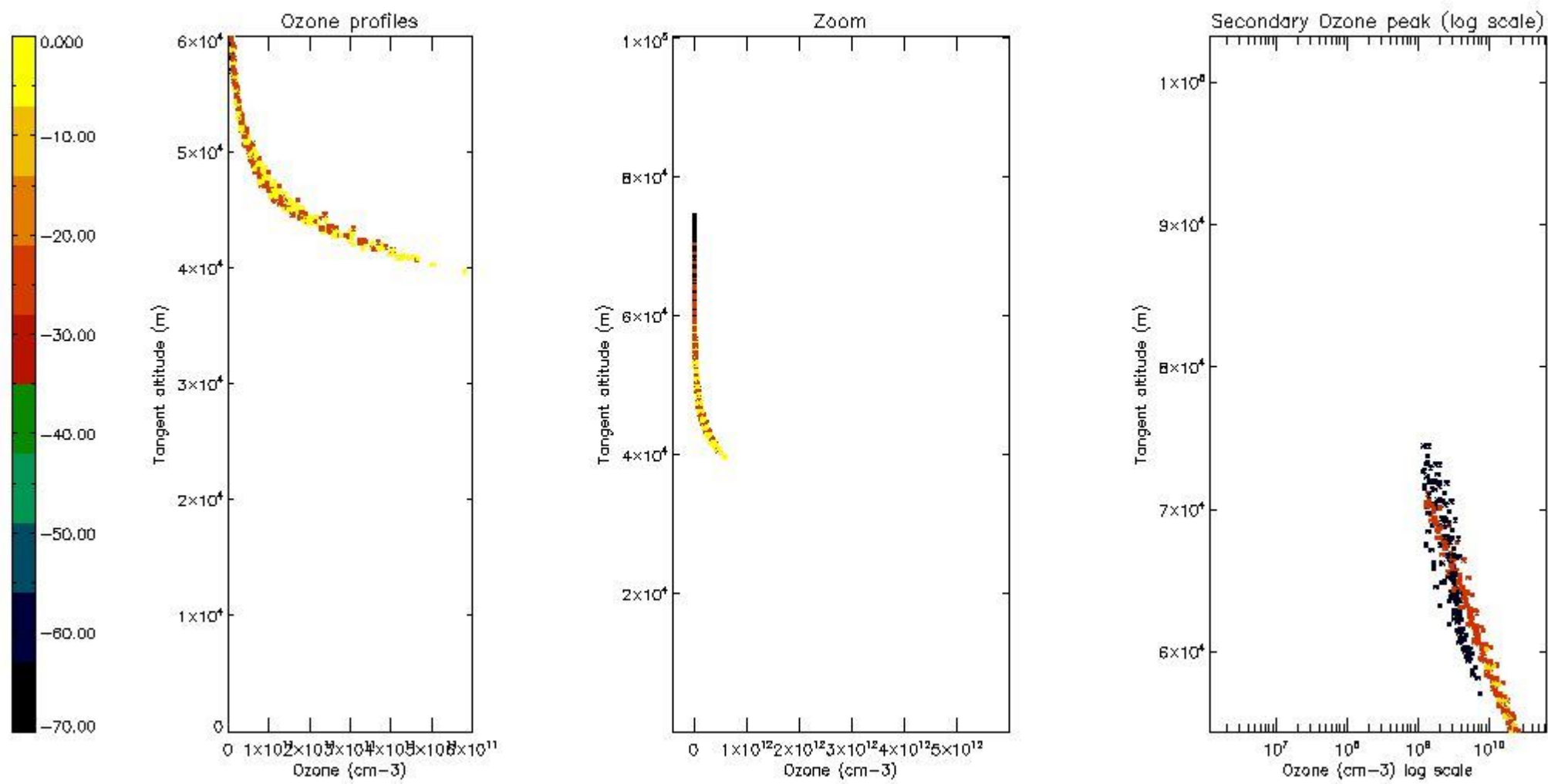
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



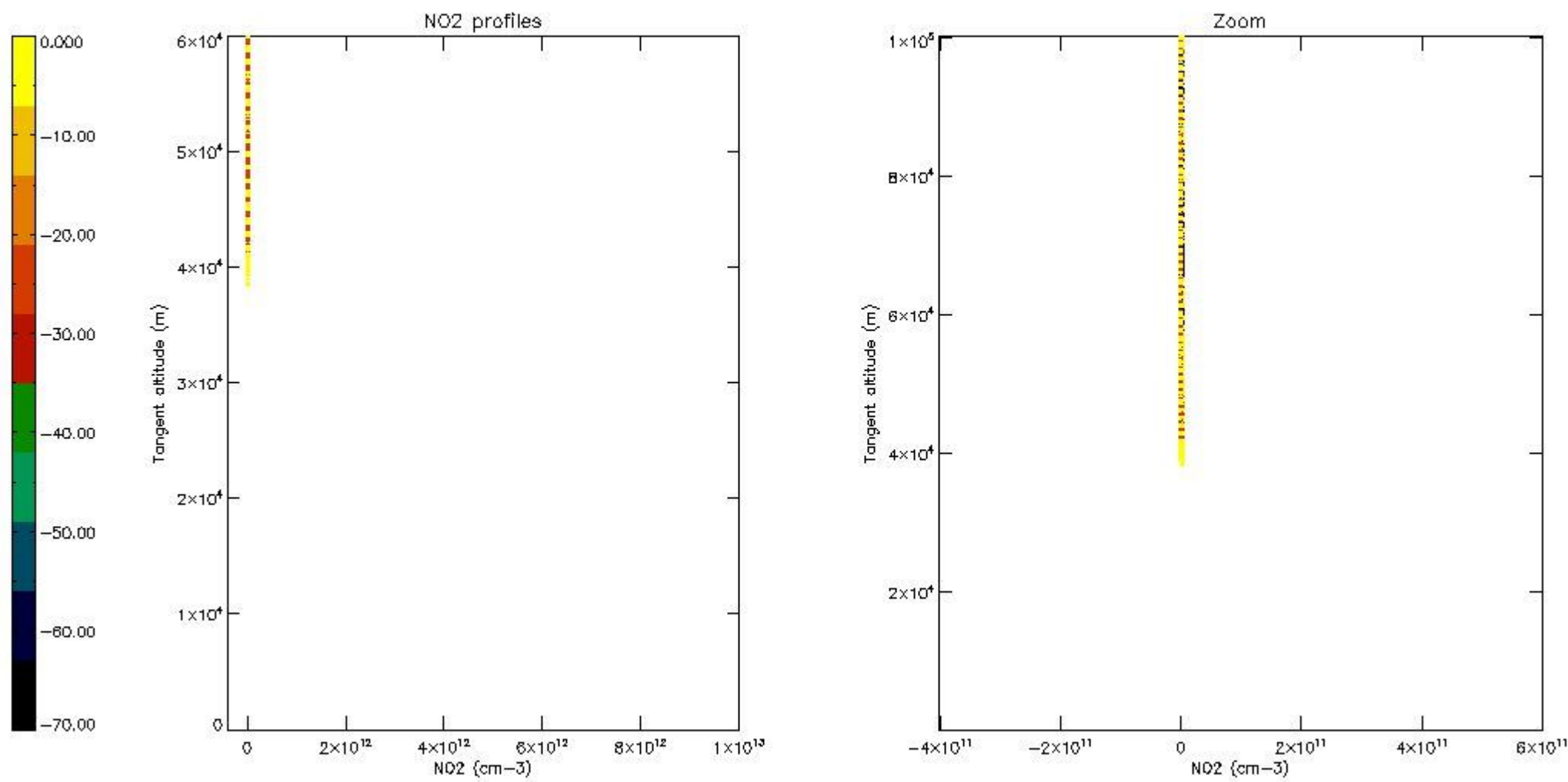
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



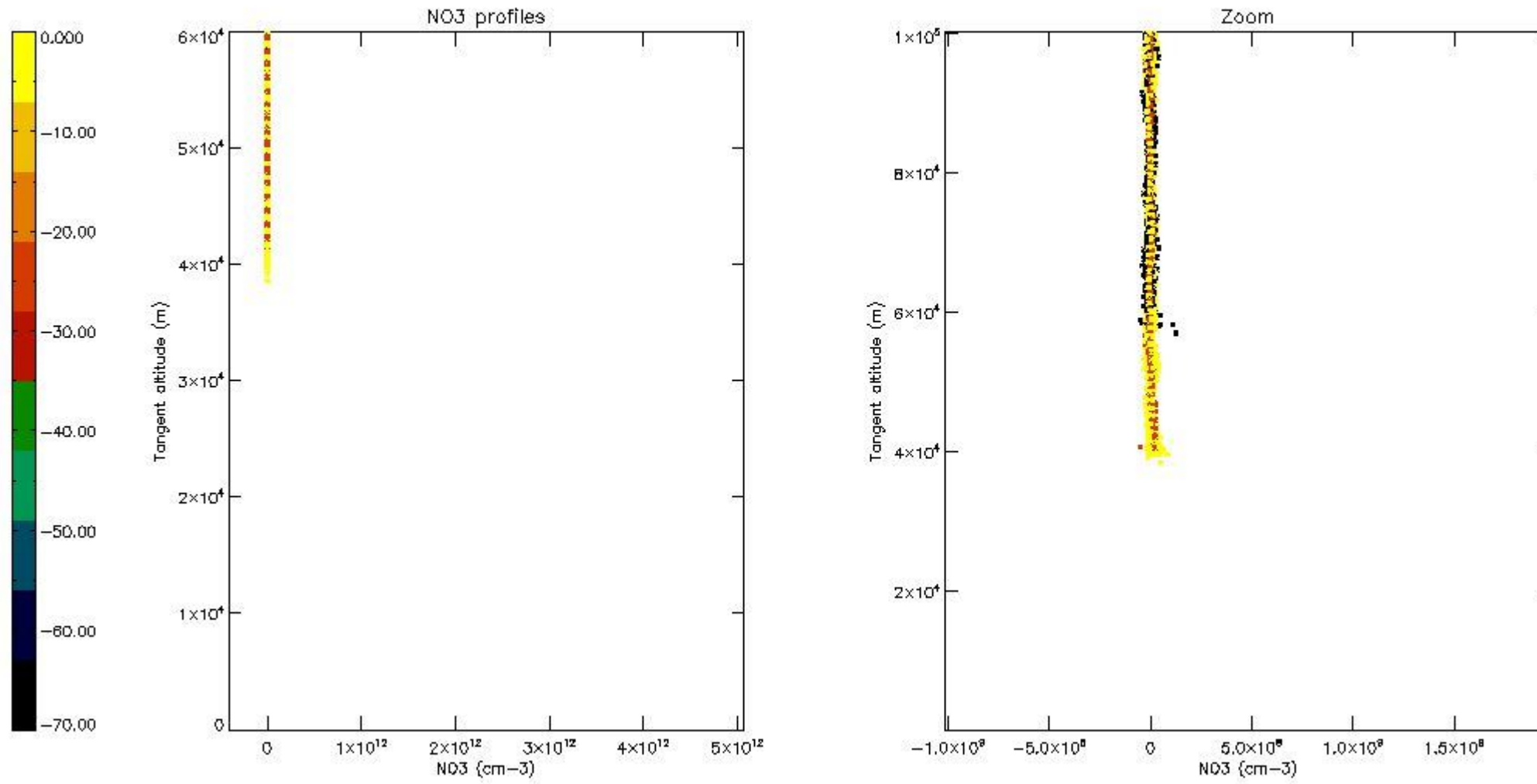
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

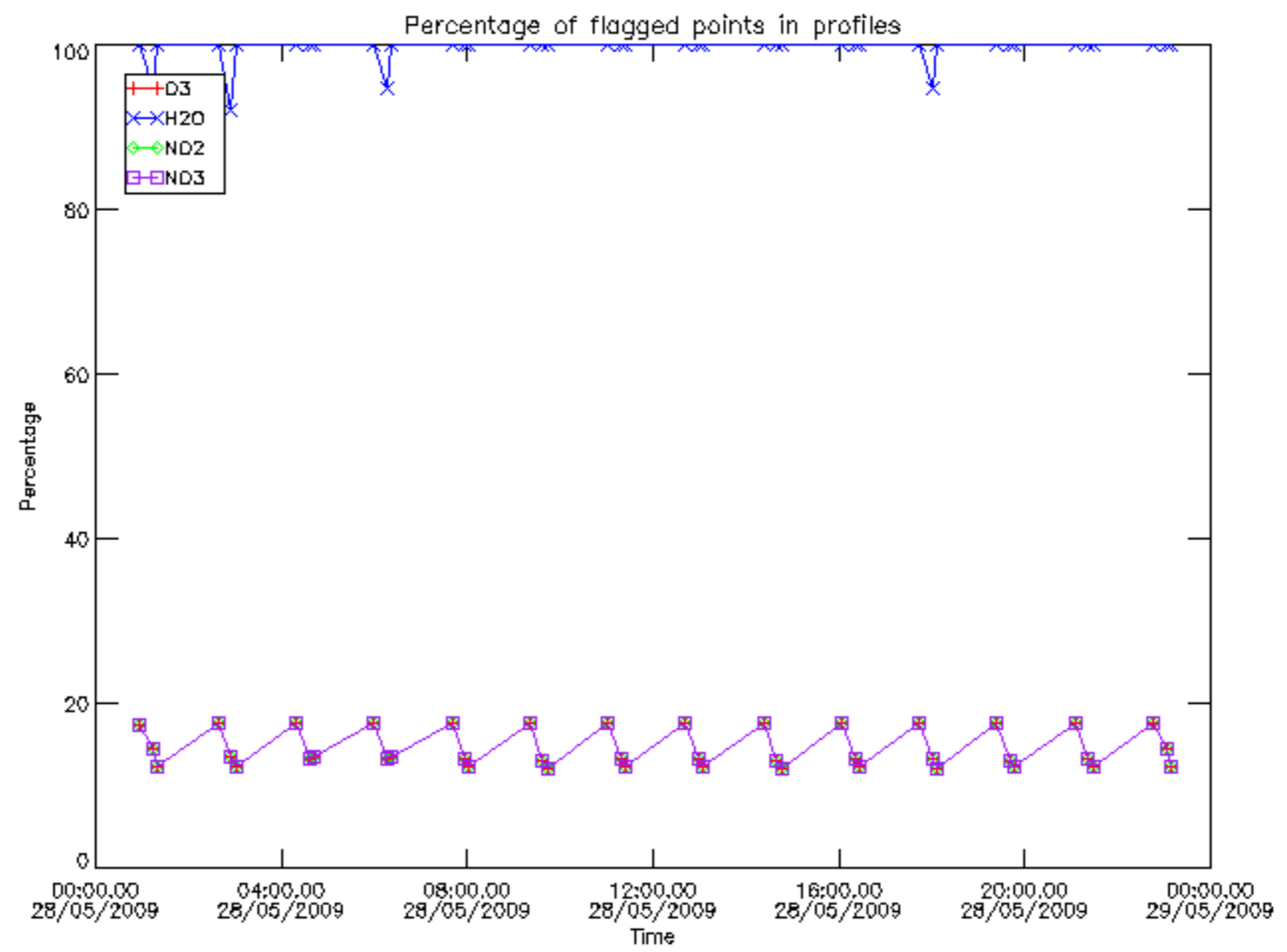
The colorbar represents the latitude.



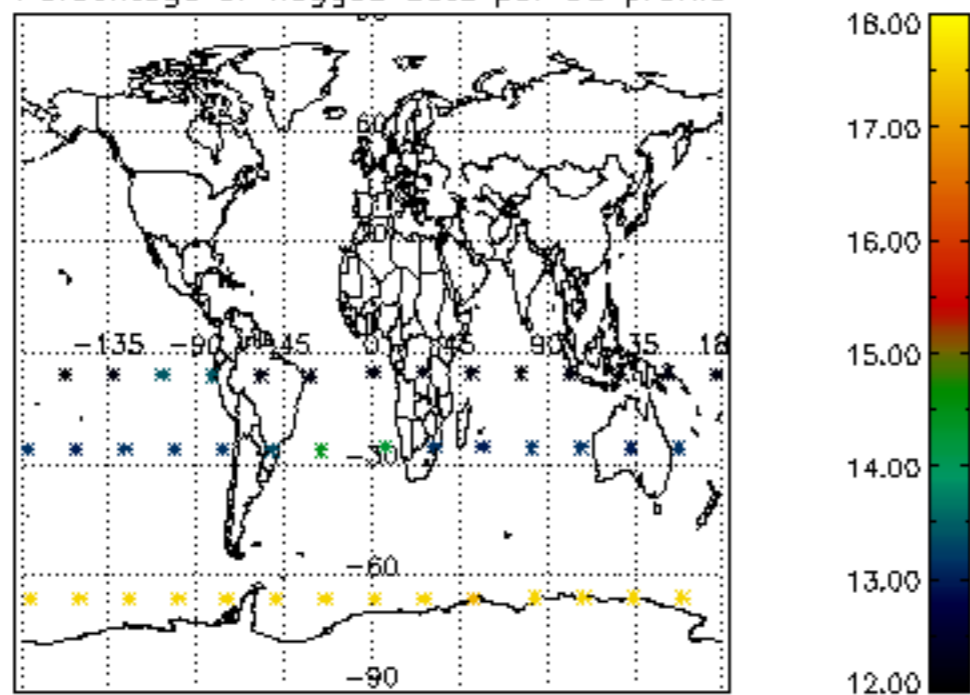
6. Auxiliary Data Files used for the production reported in section 2

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

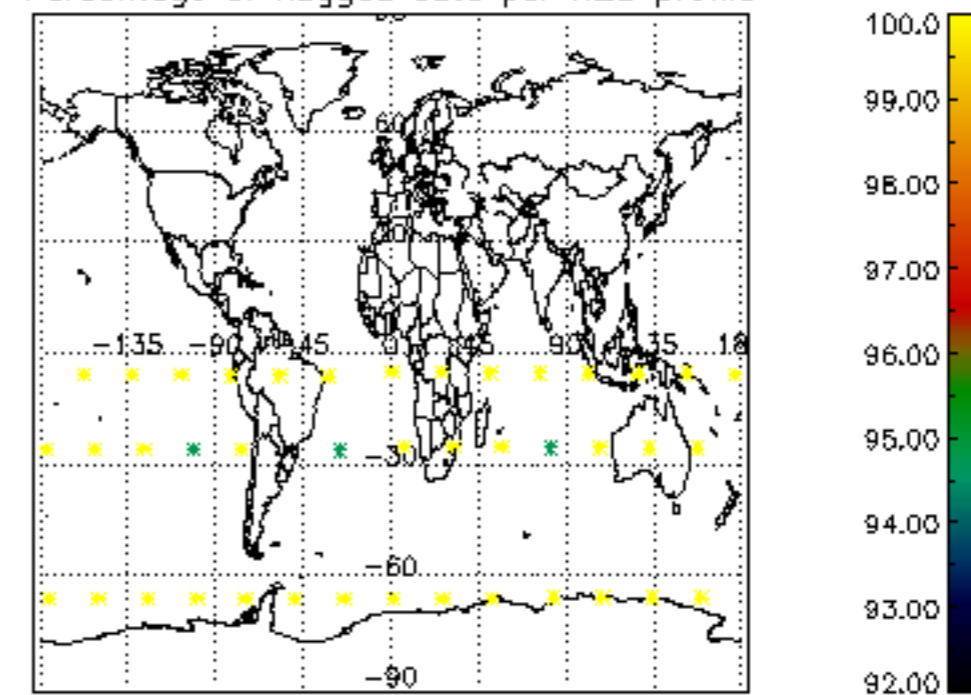
| Type | Auxiliary Filename | Used since product | Used since product date |
|---------------------------|---|--------------------|-------------------------|
| INST_PHYS_CHARACTERISTICS | GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000 | 1 | 28-MAY-2009 00:03:38 |
| LEVEL-2_PROC_CONFIG | GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000 | 1 | 28-MAY-2009 00:03:38 |
| CROSS_SECTIONS_FILE | GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000 | 1 | 28-MAY-2009 00:03:38 |



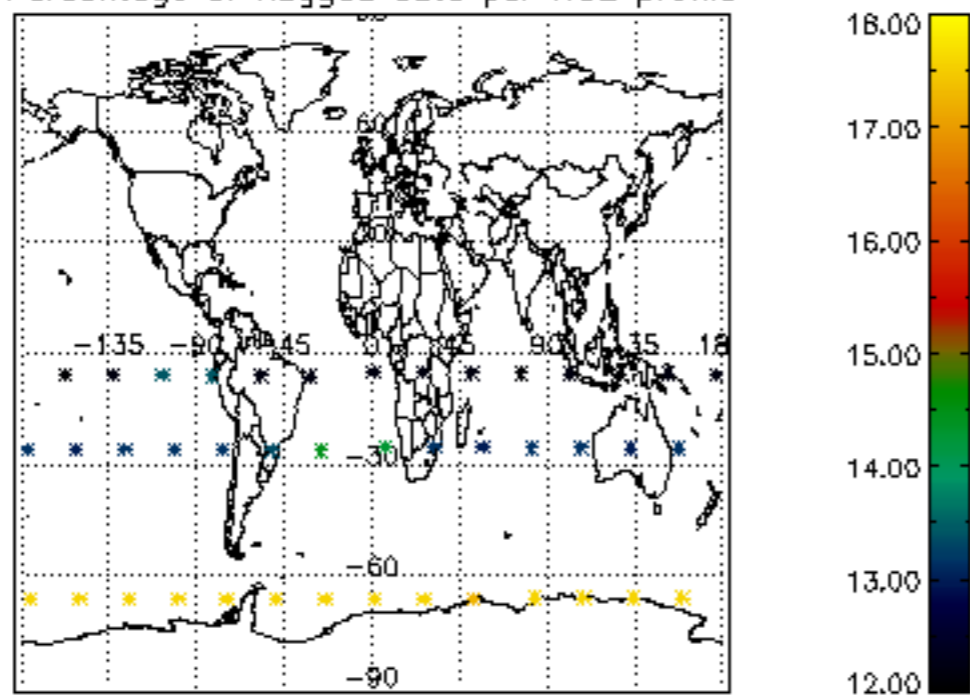
Percentage of flagged data per D3 profile



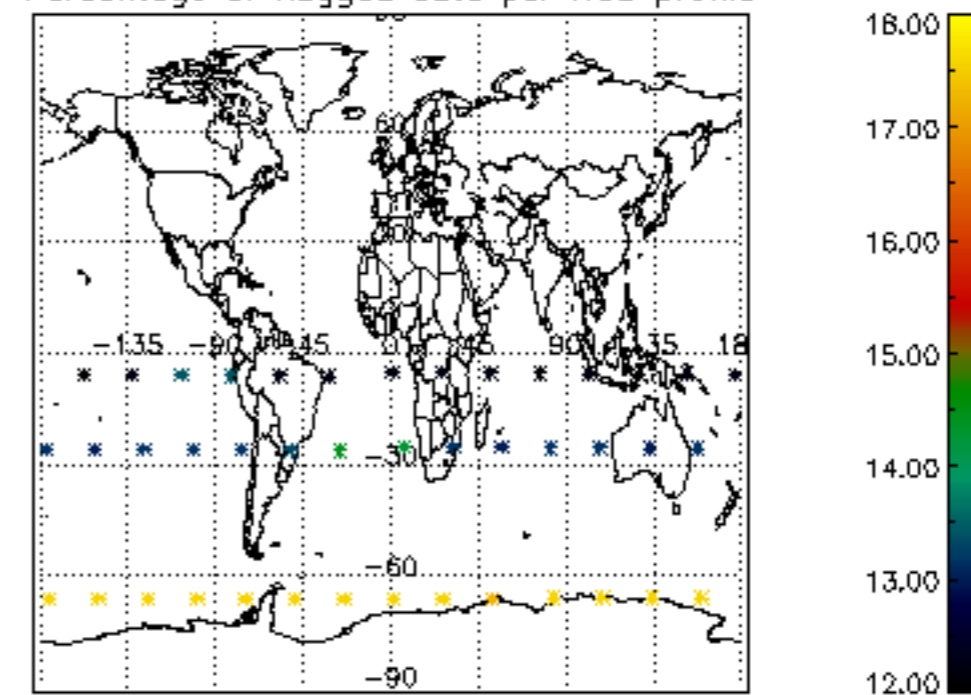
Percentage of flagged data per H2O profile

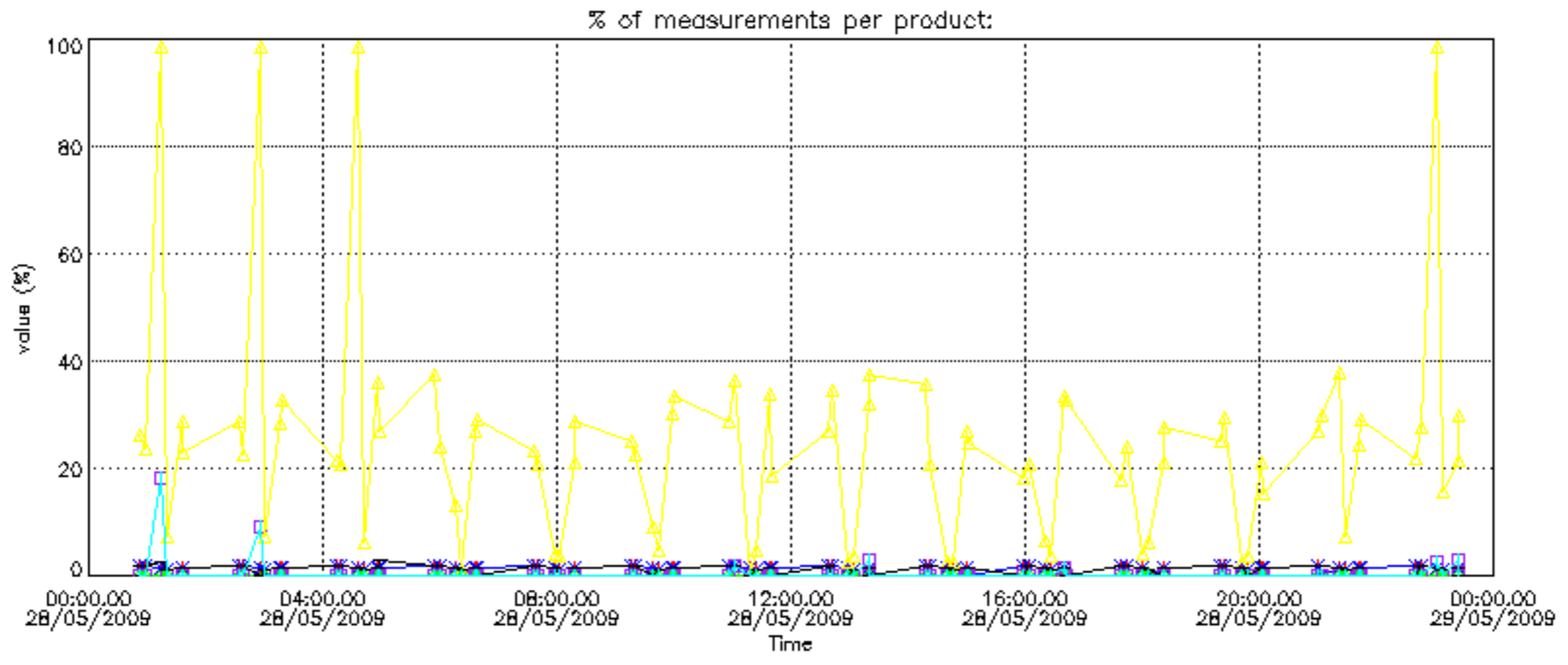


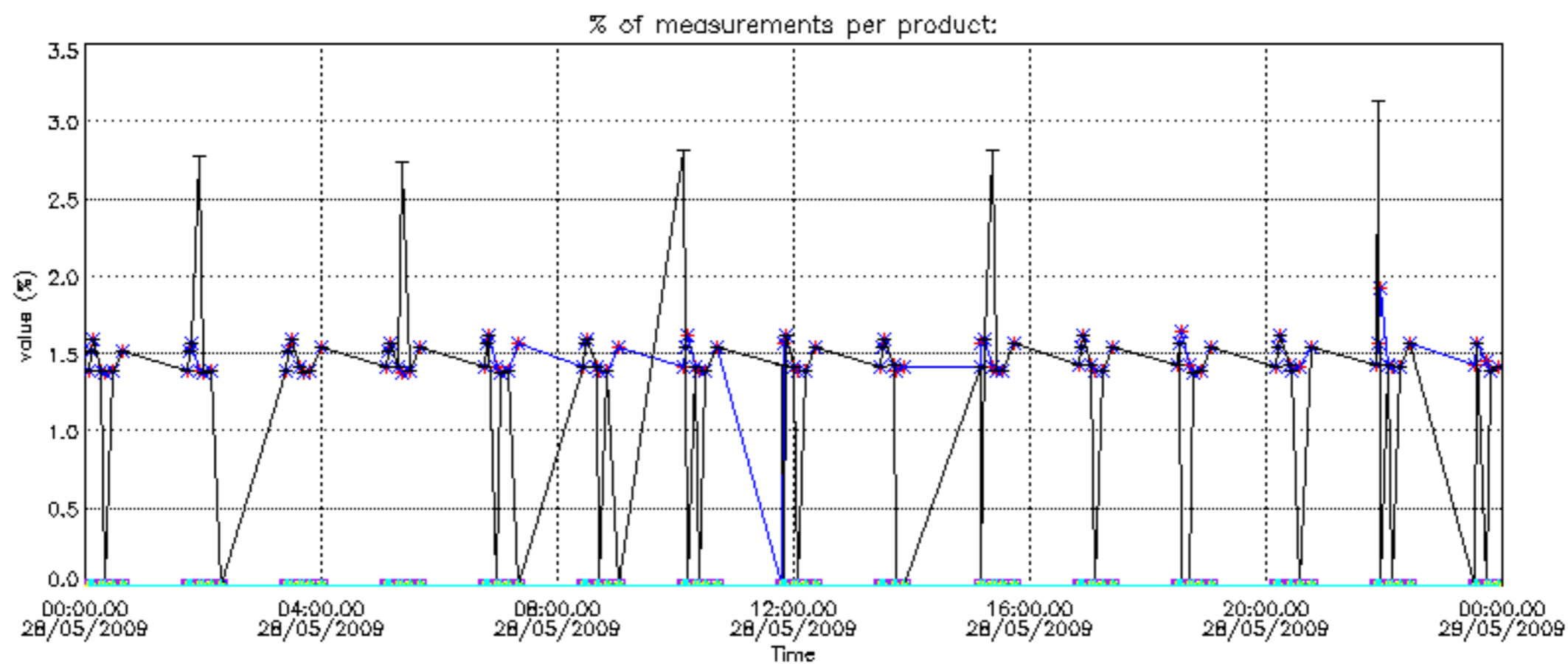
Percentage of flagged data per NO2 profile



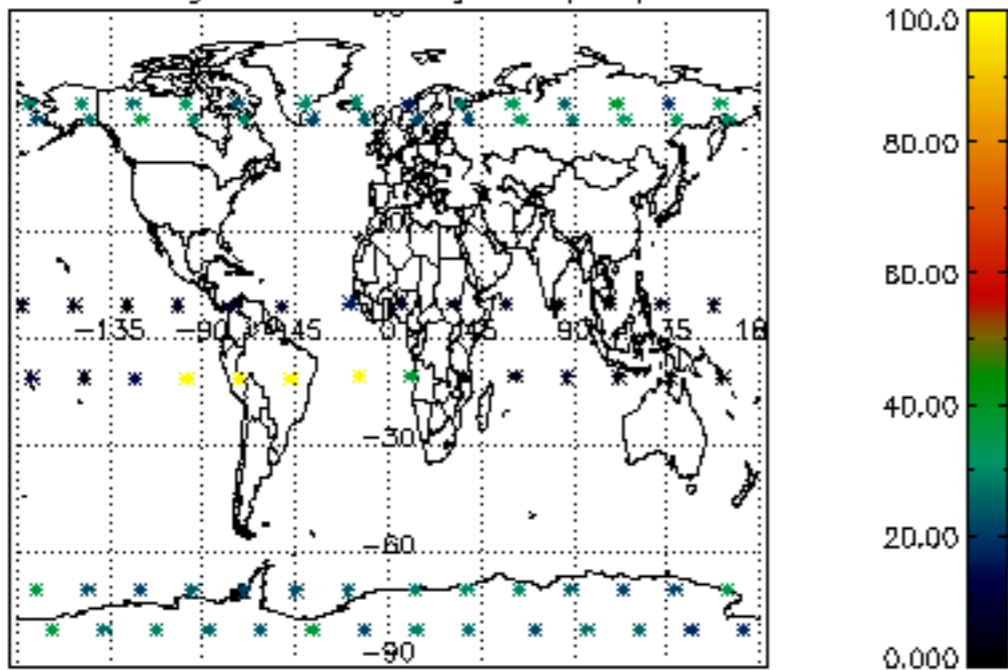
Percentage of flagged data per NO3 profile



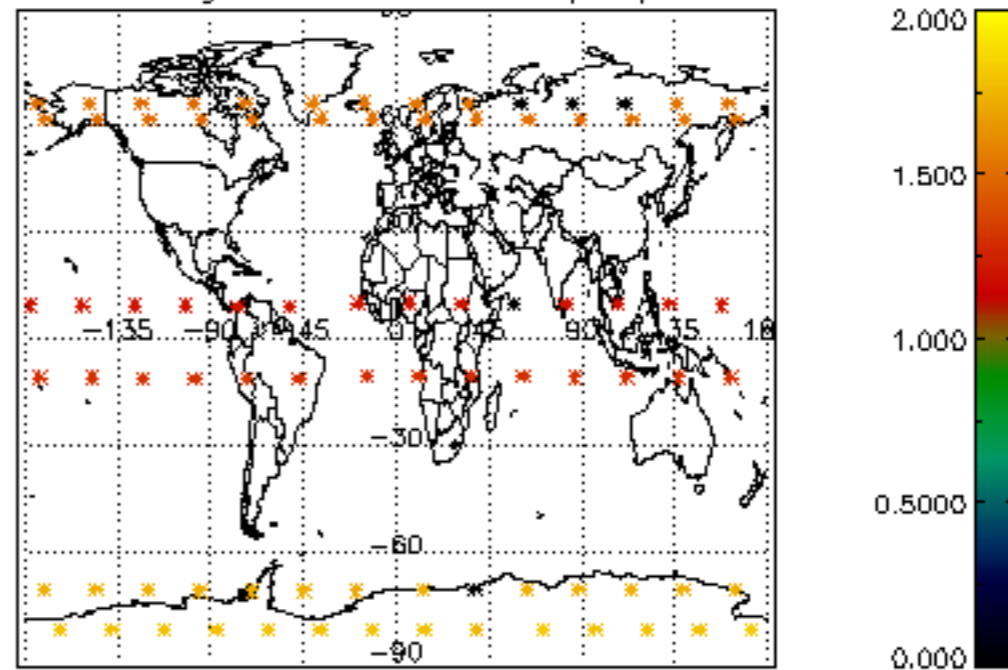




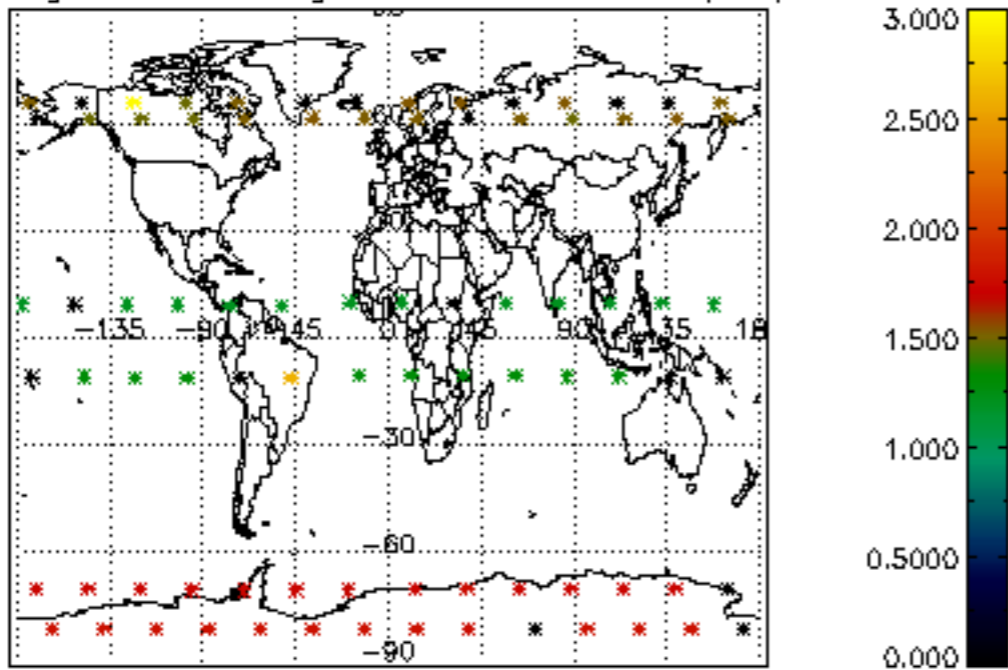
Percentage of cosmic ray hits per profile



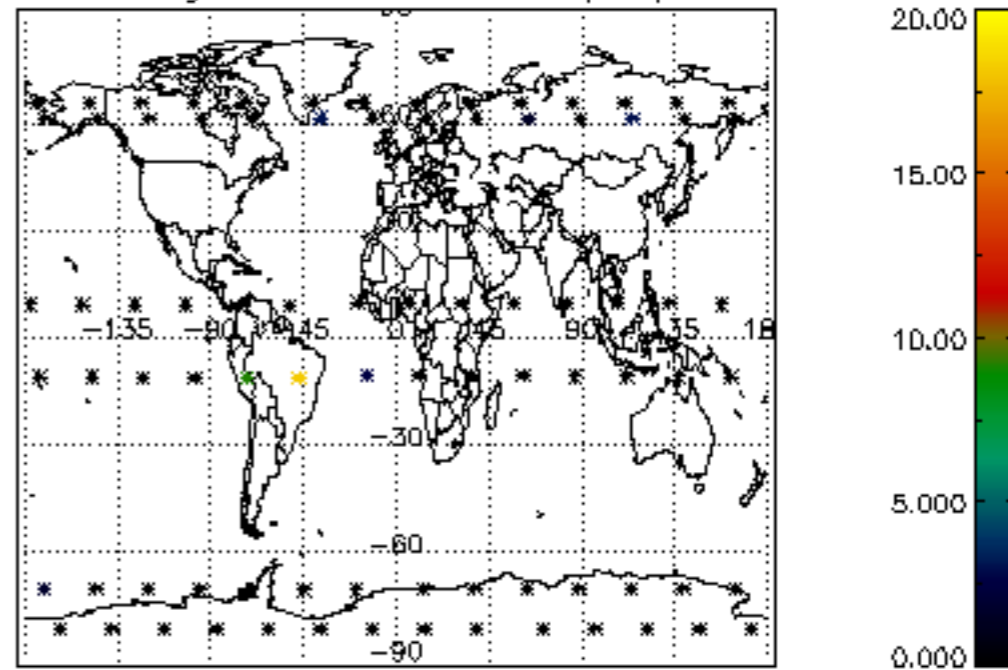
Percentage of datation errors per profile



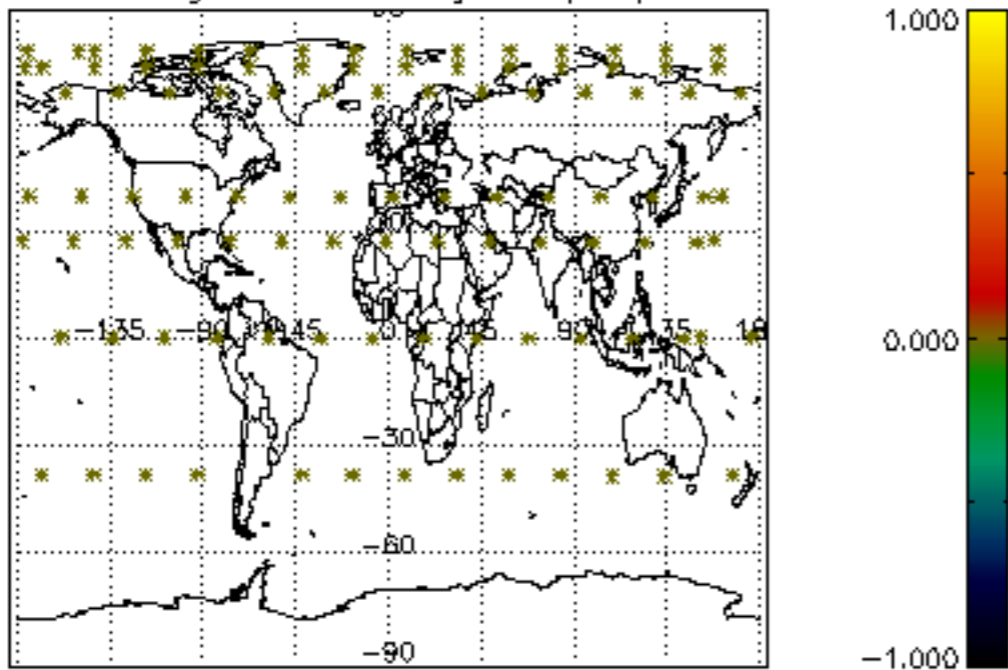
Percentage of star falling outside central band per profile



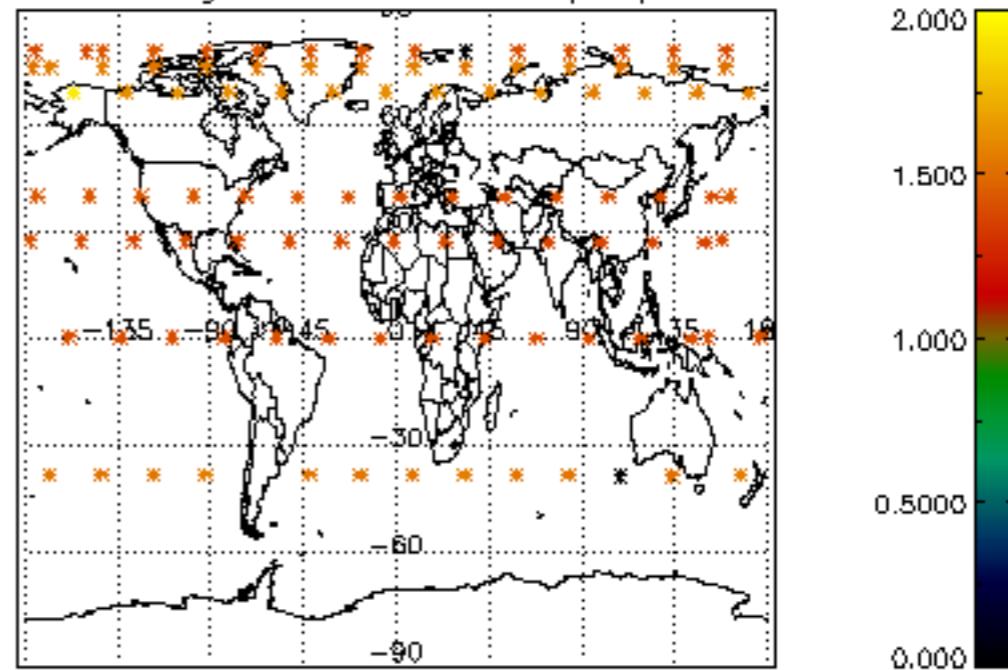
Percentage of saturation errors per profile



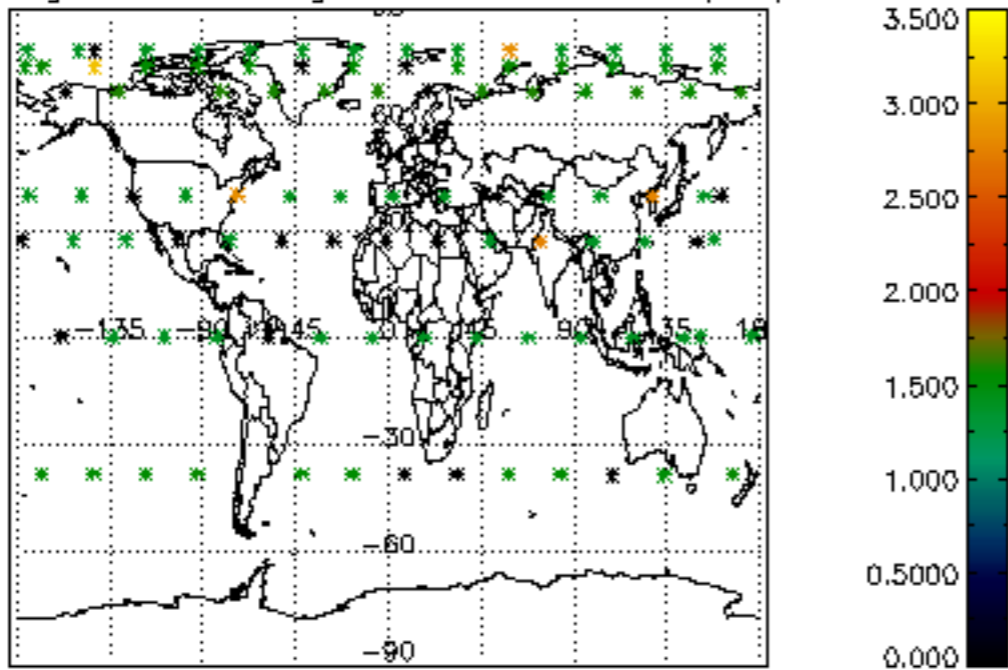
Percentage of cosmic ray hits per profile



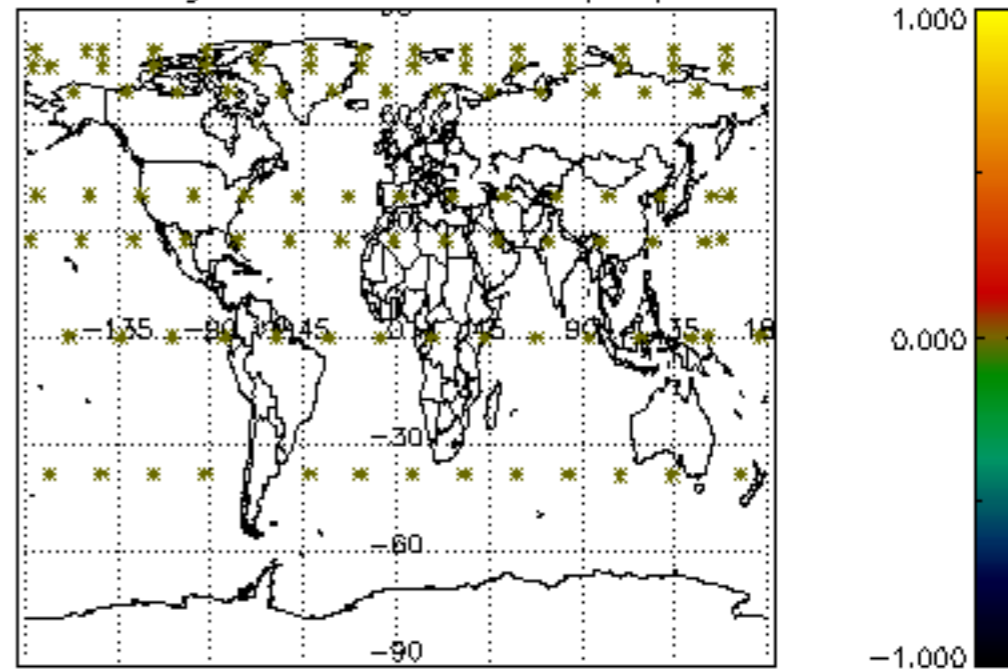
Percentage of datation errors per profile

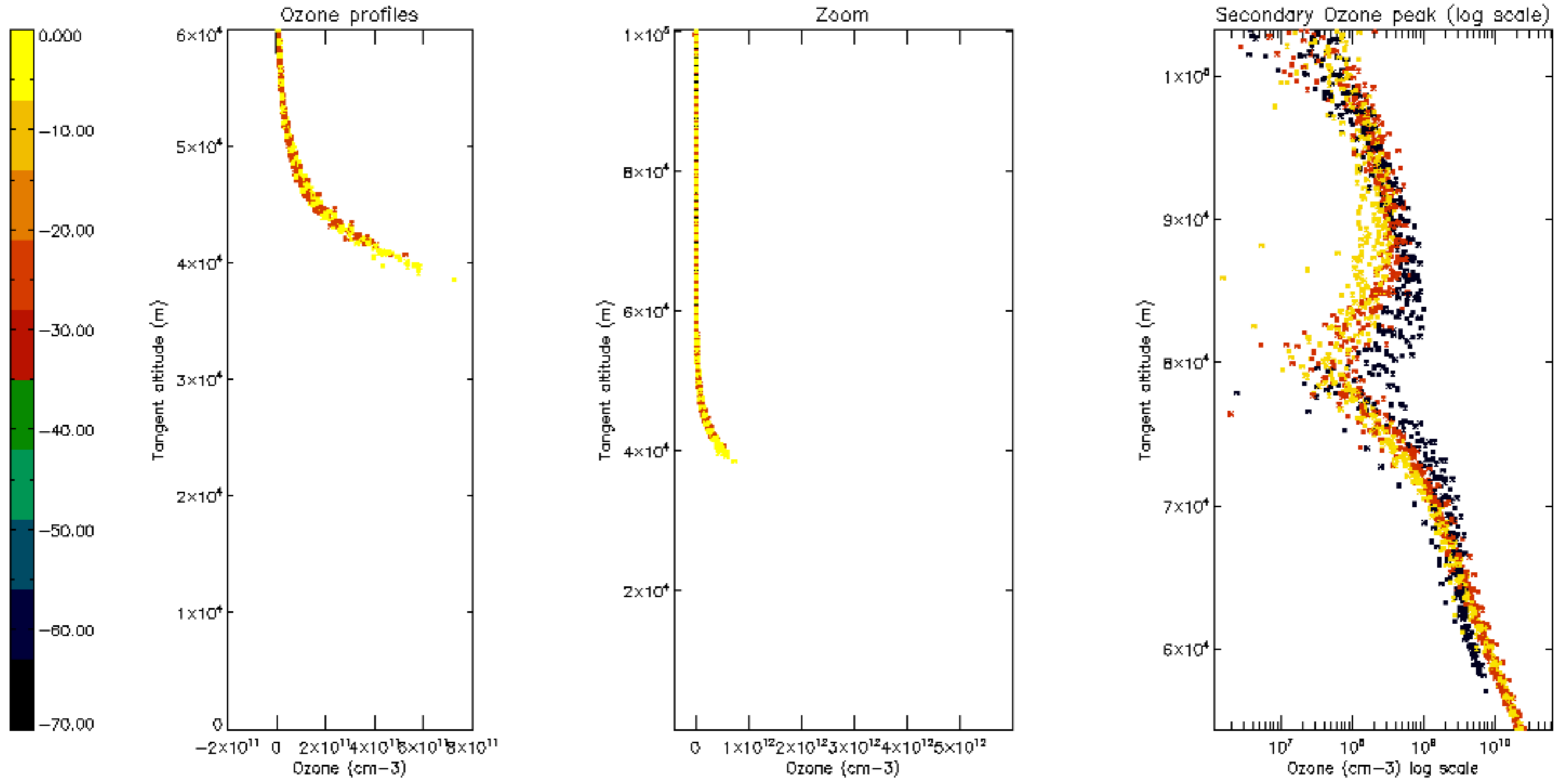


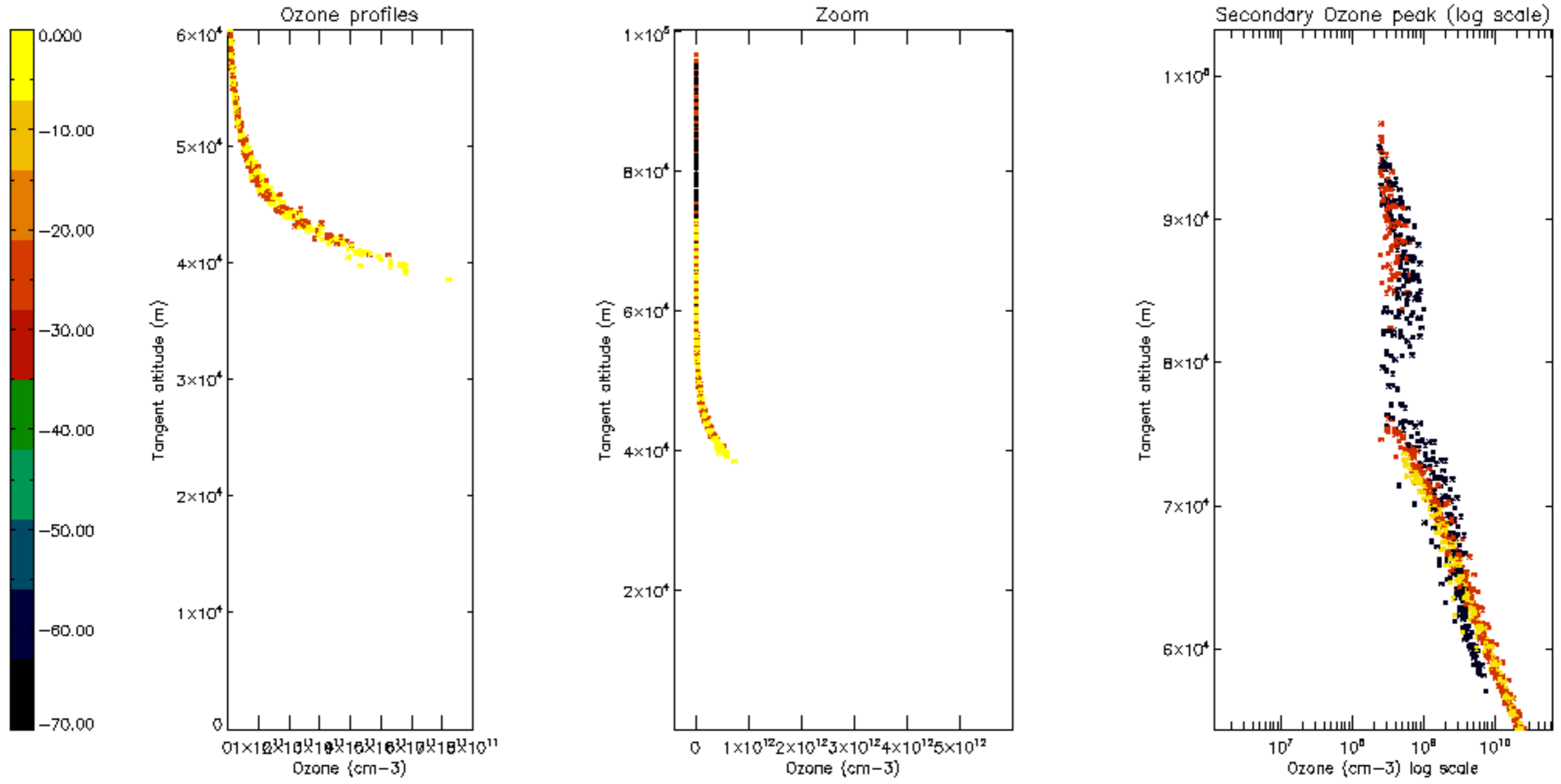
Percentage of star falling outside central band per profile

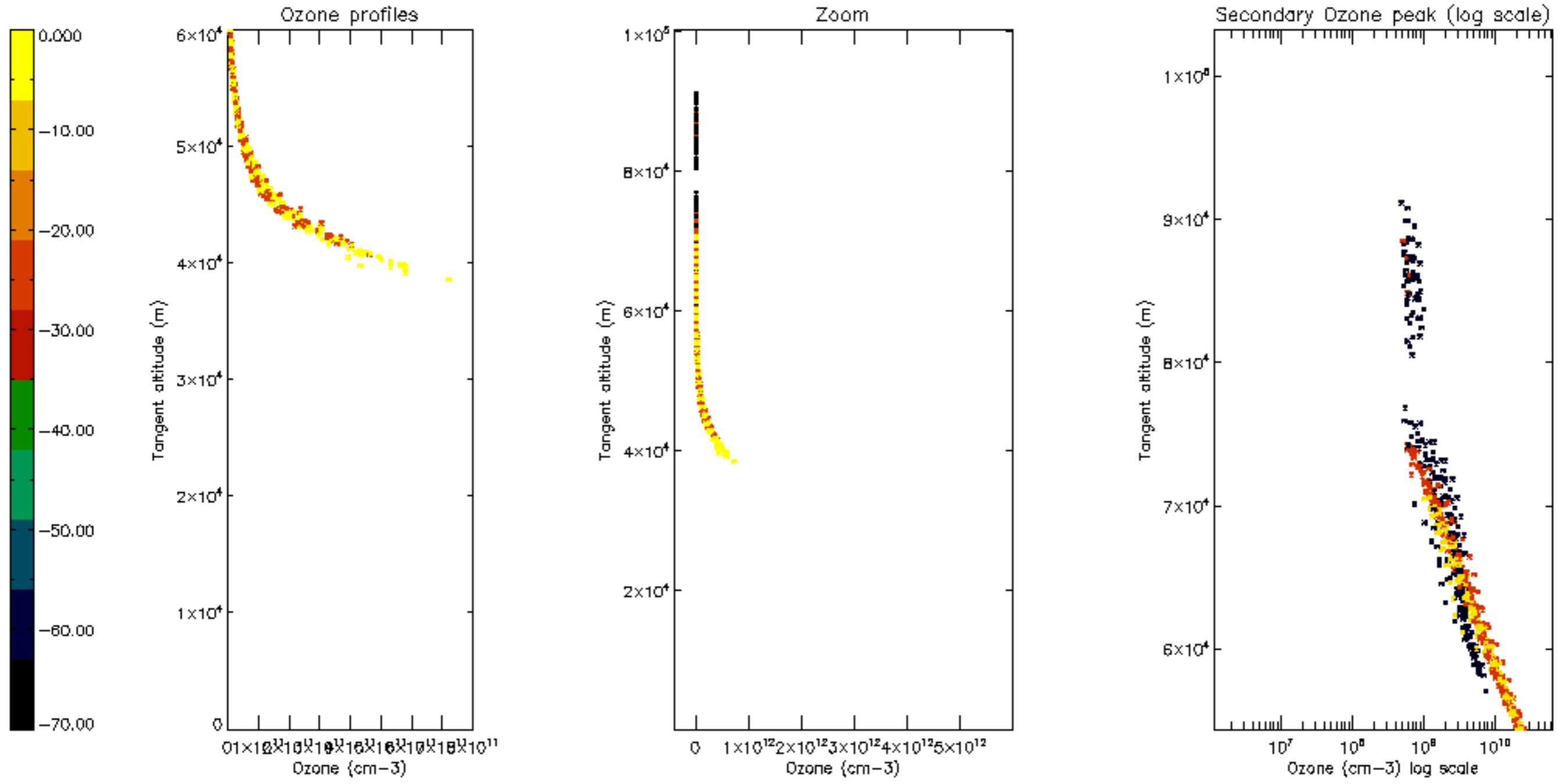


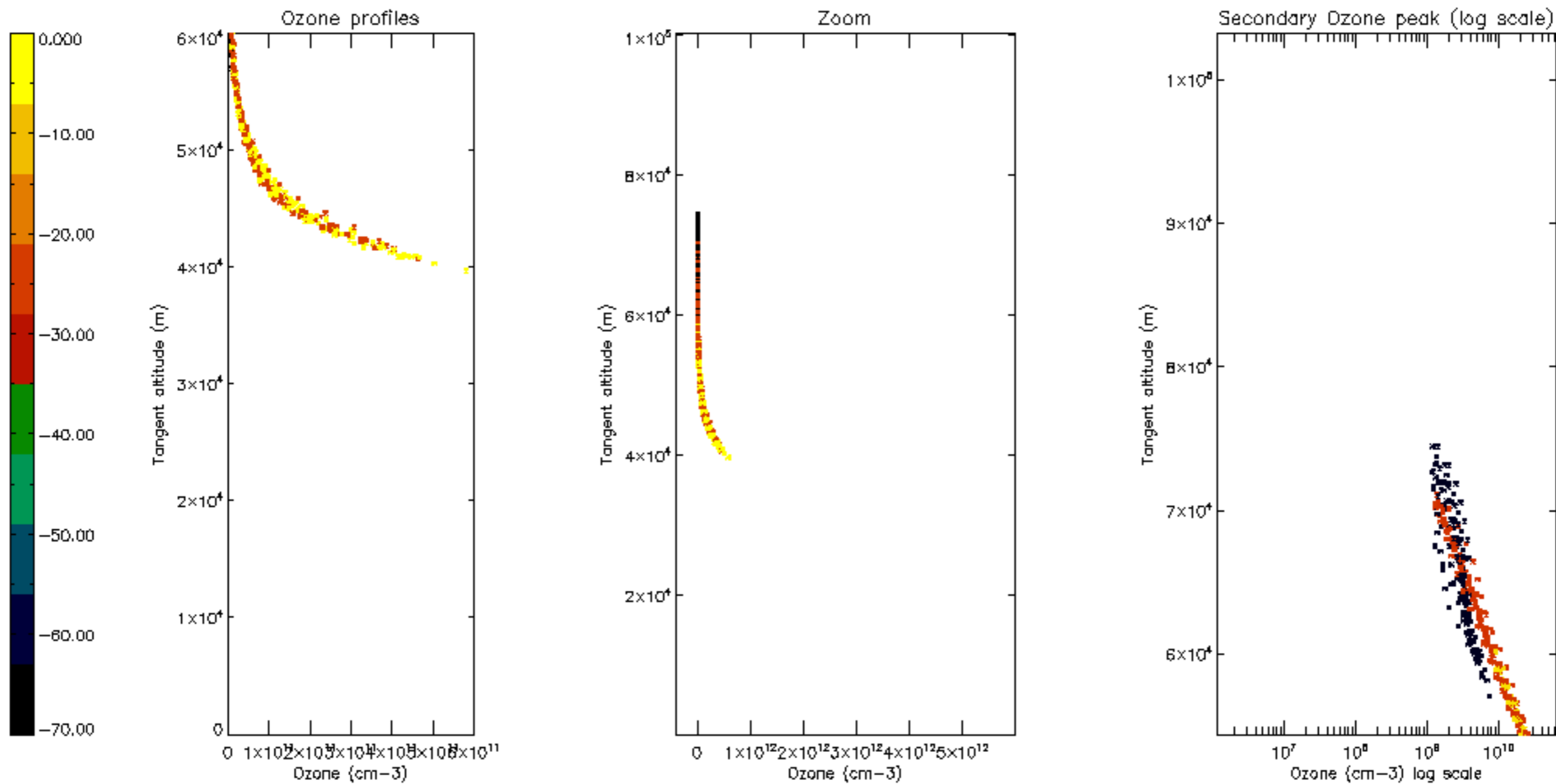
Percentage of saturation errors per profile

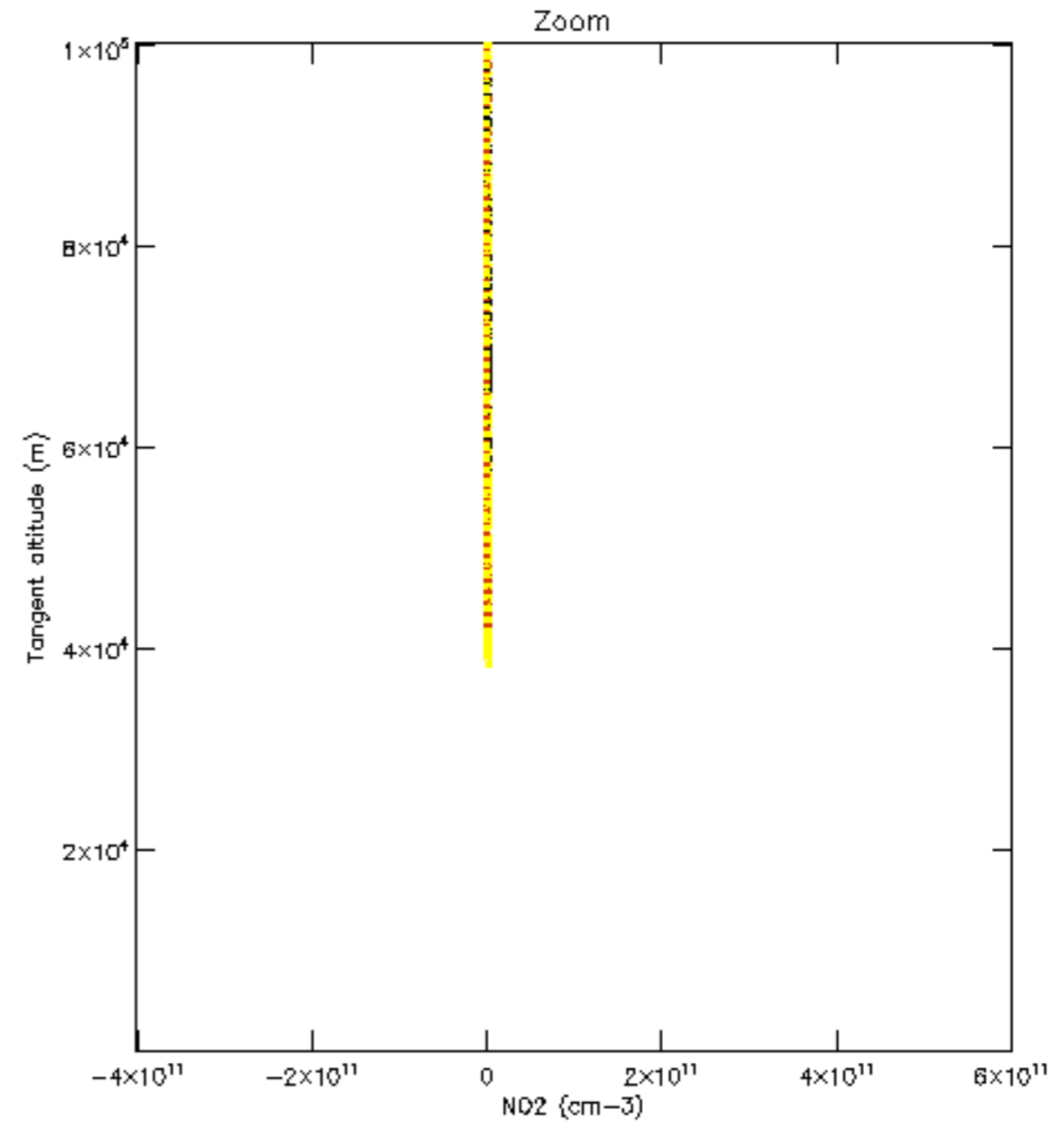
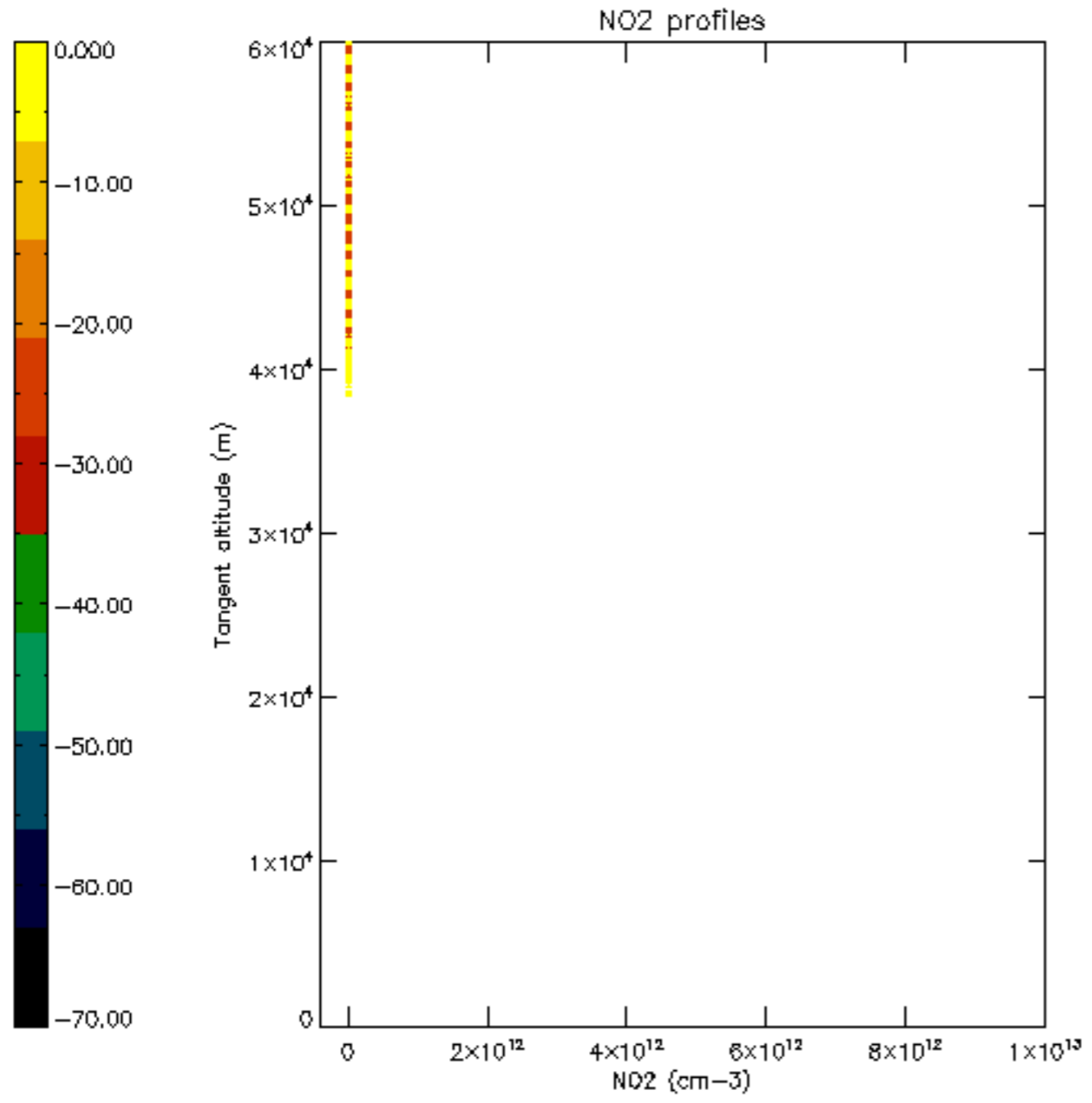


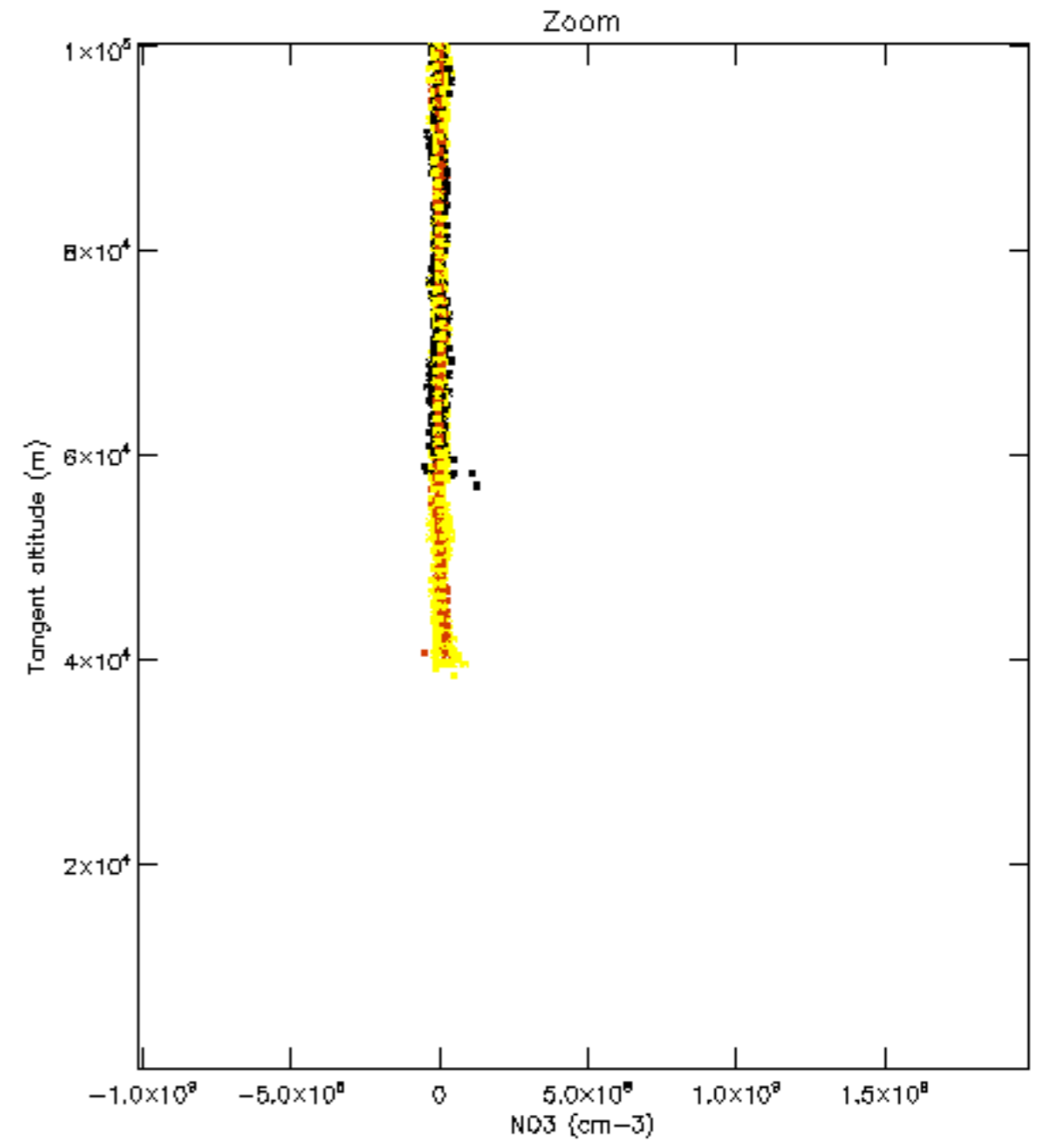
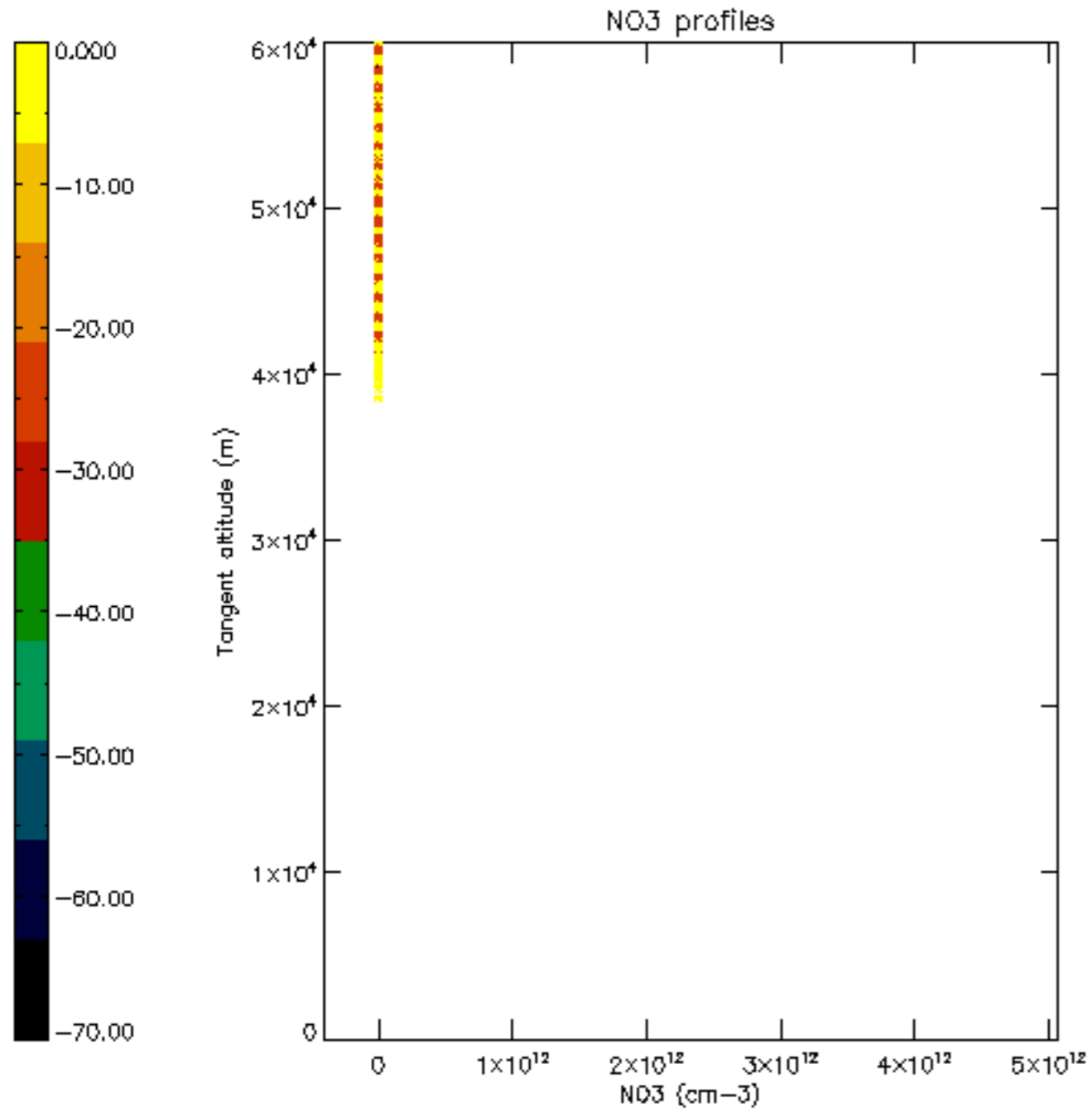


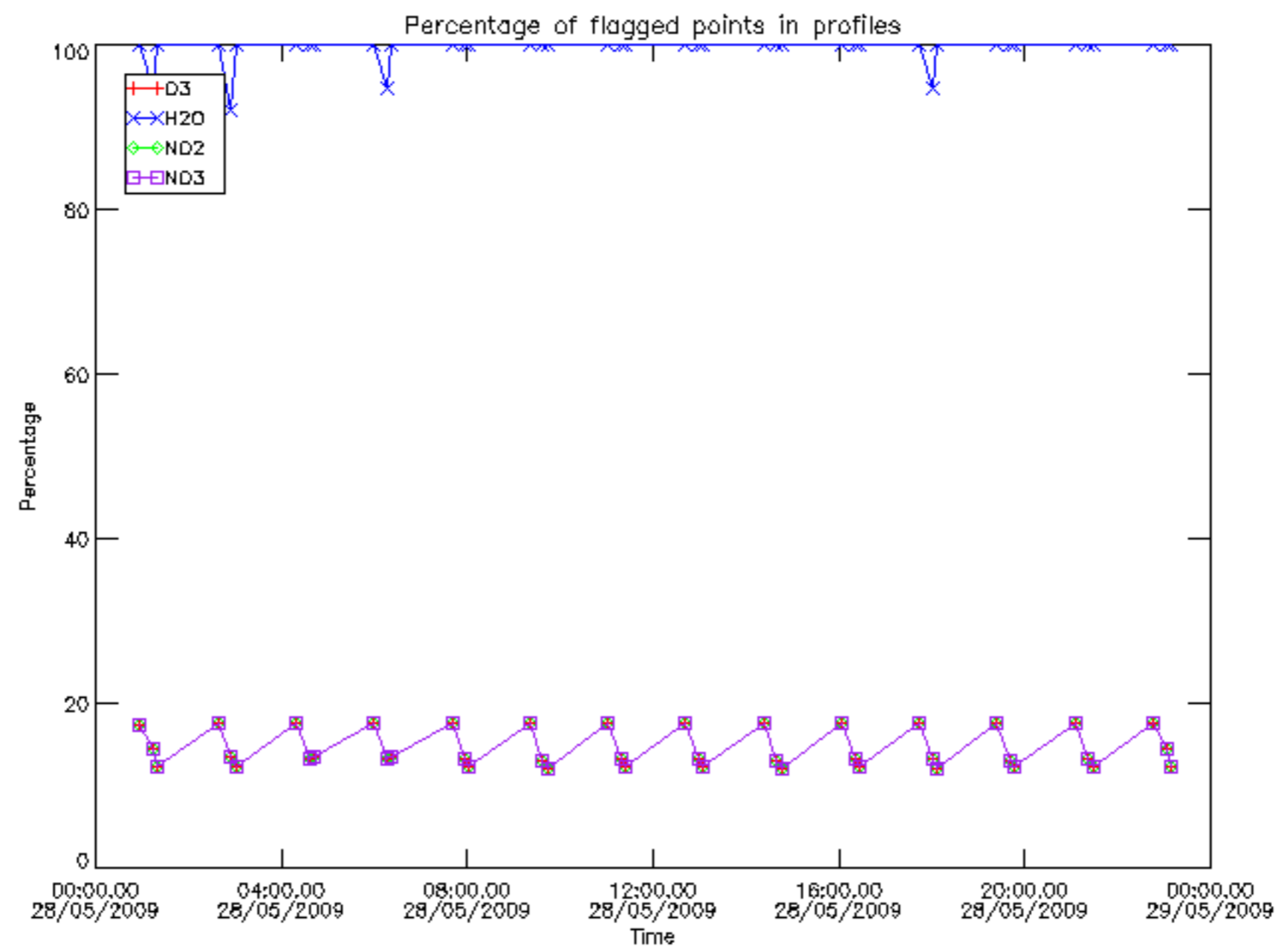




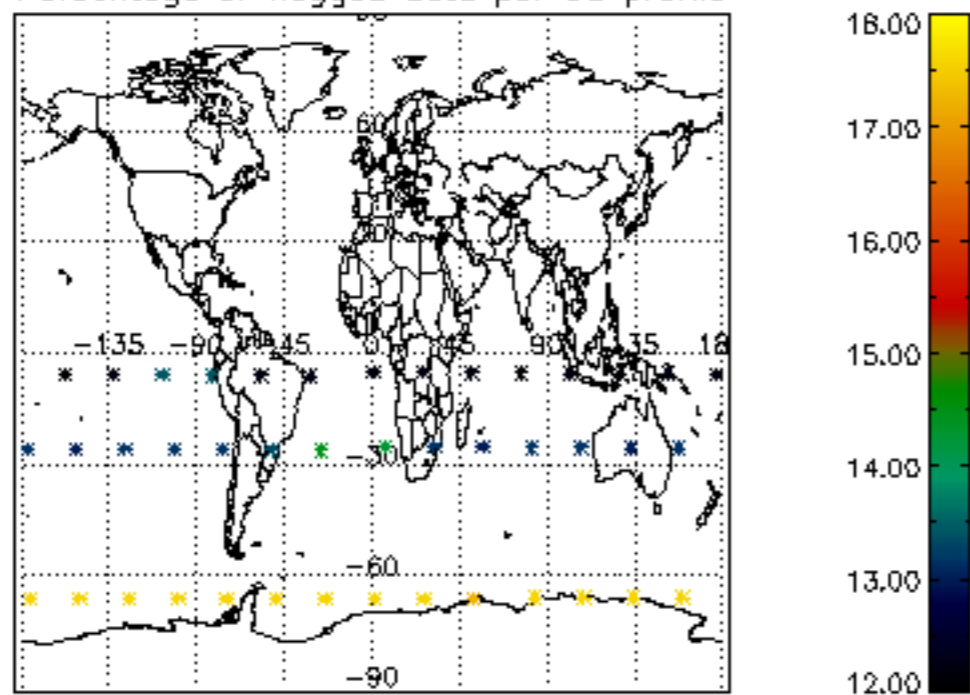




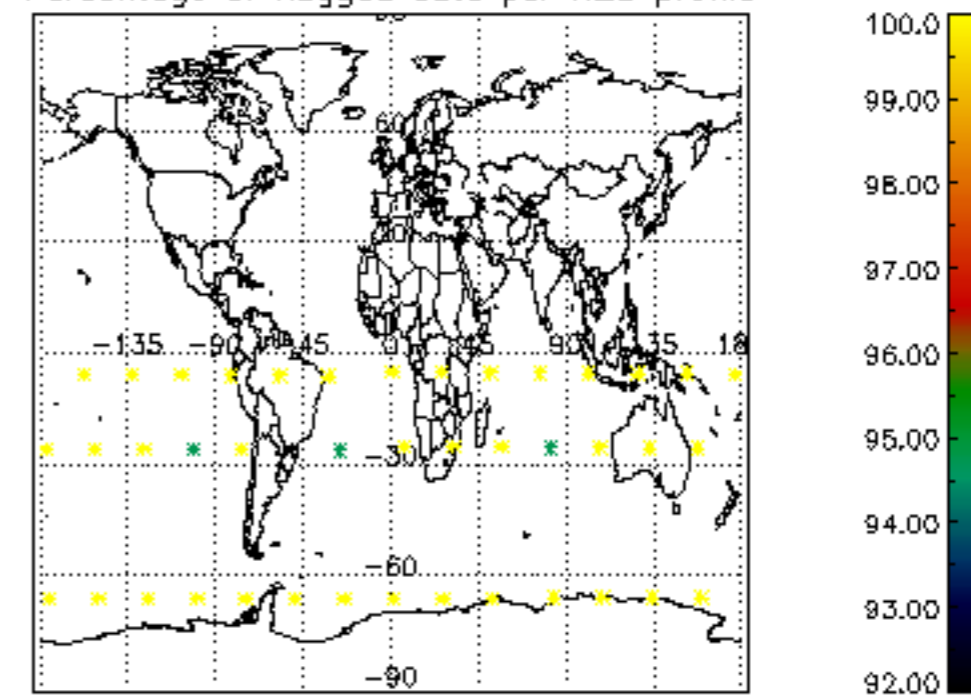




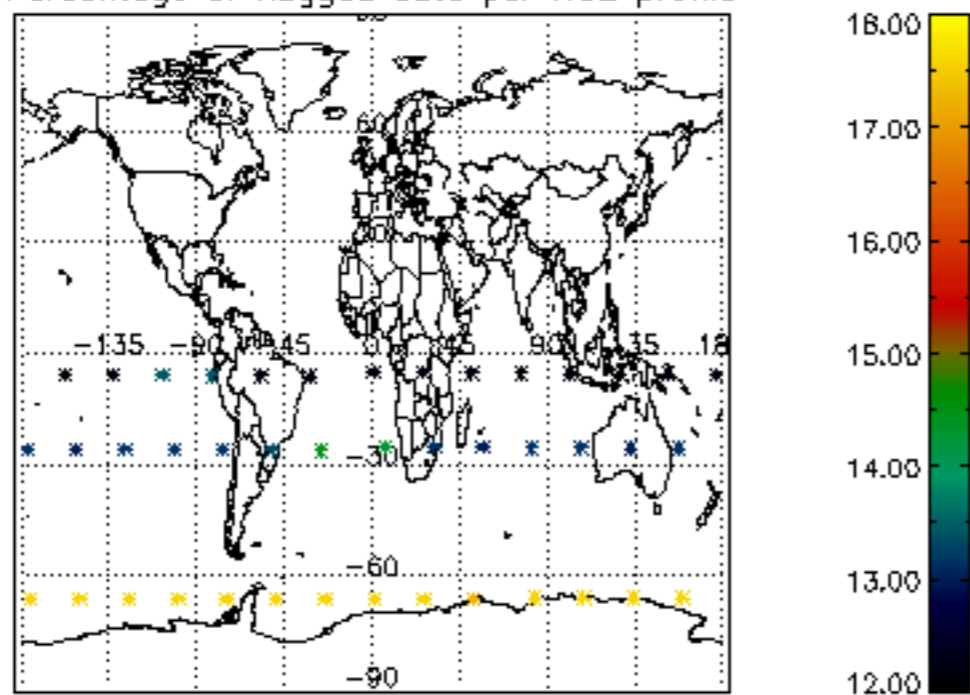
Percentage of flagged data per D3 profile



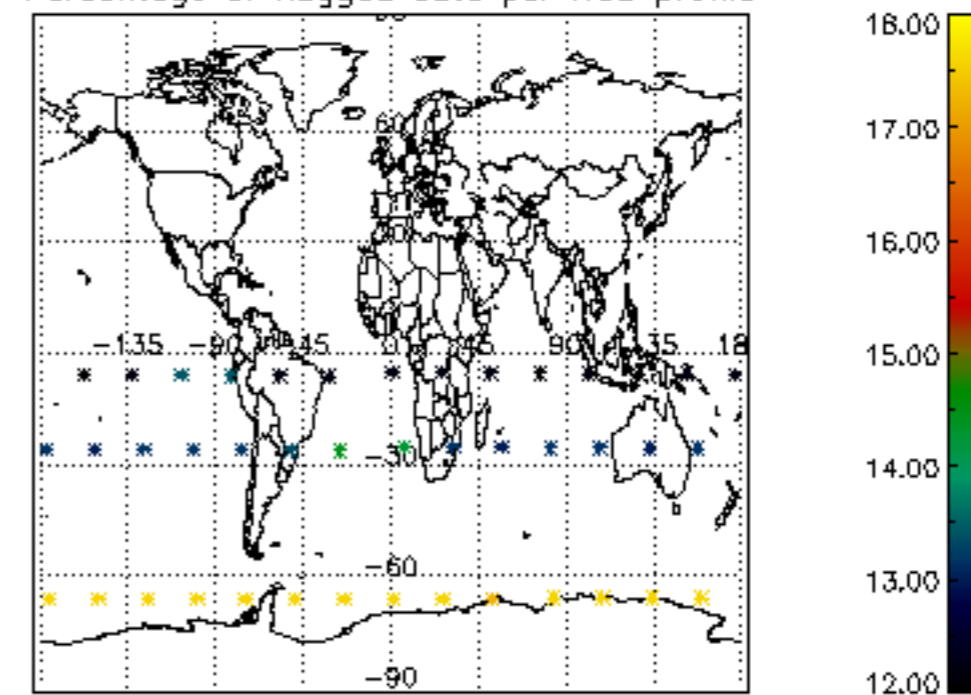
Percentage of flagged data per H2O profile

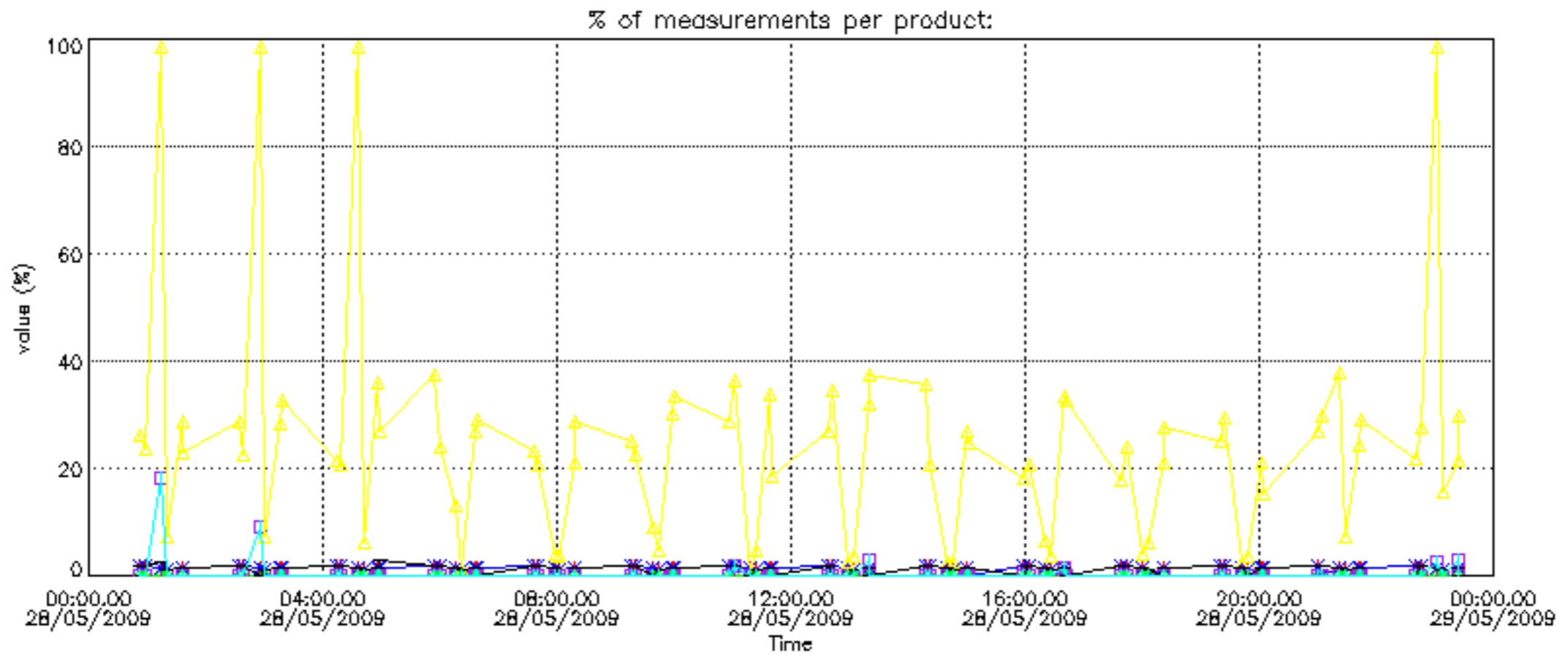


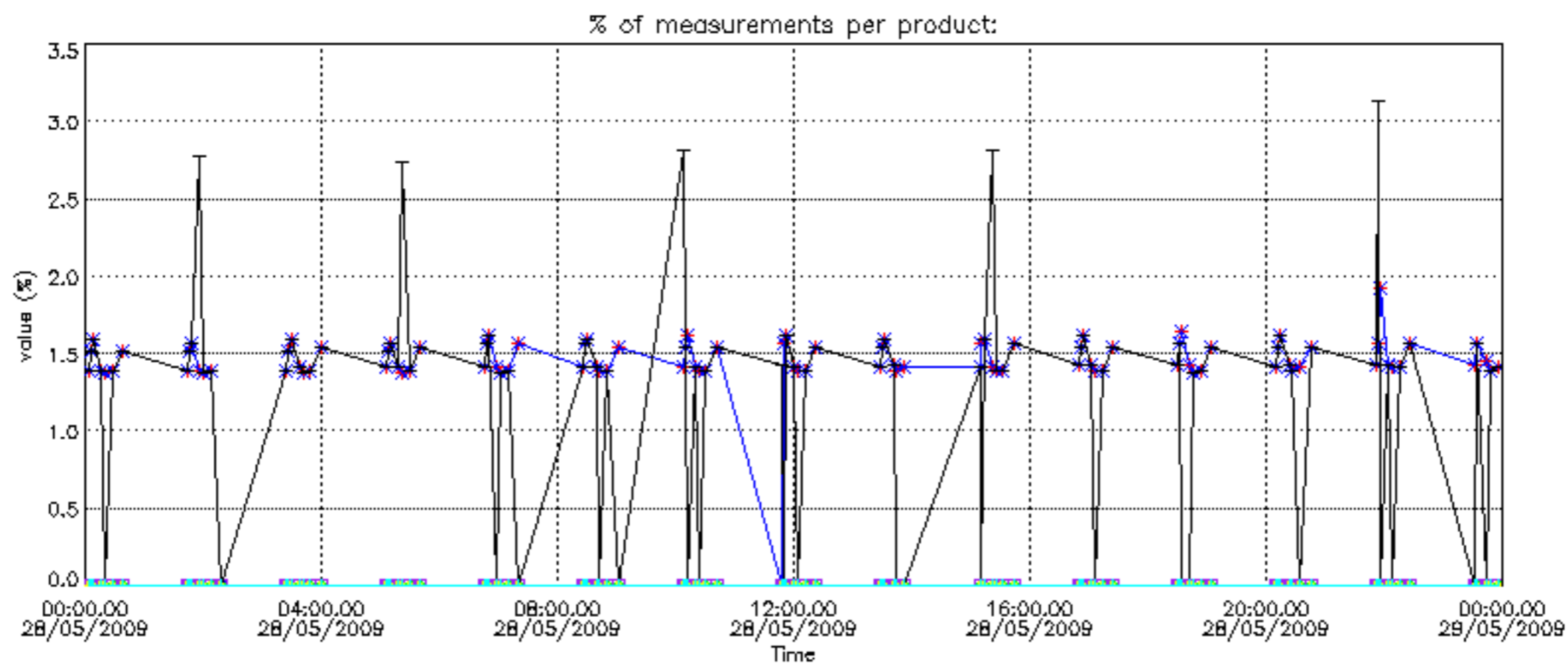
Percentage of flagged data per NO2 profile



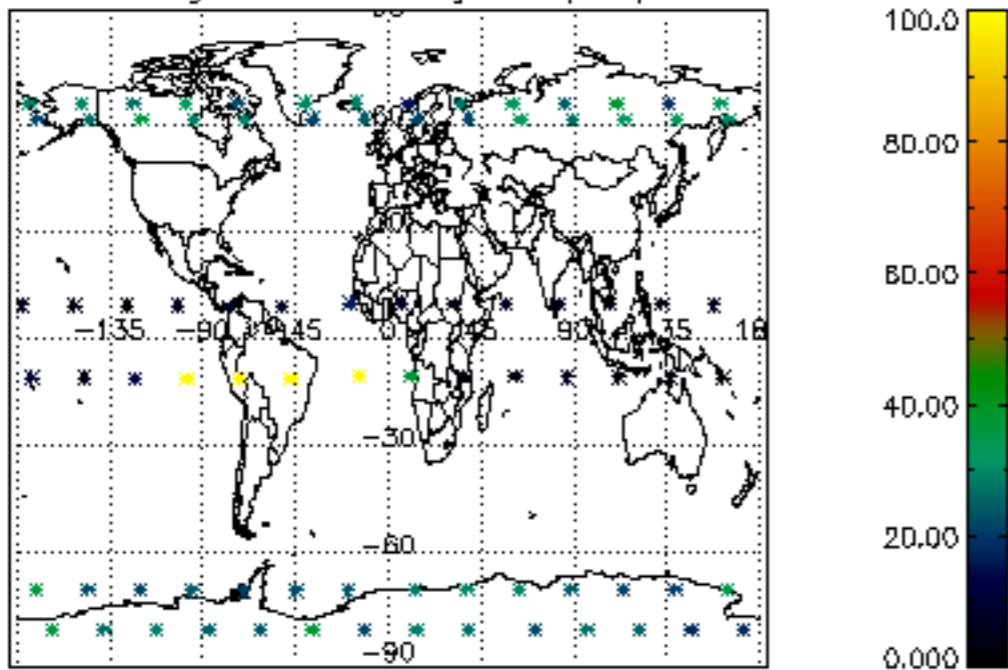
Percentage of flagged data per NO3 profile



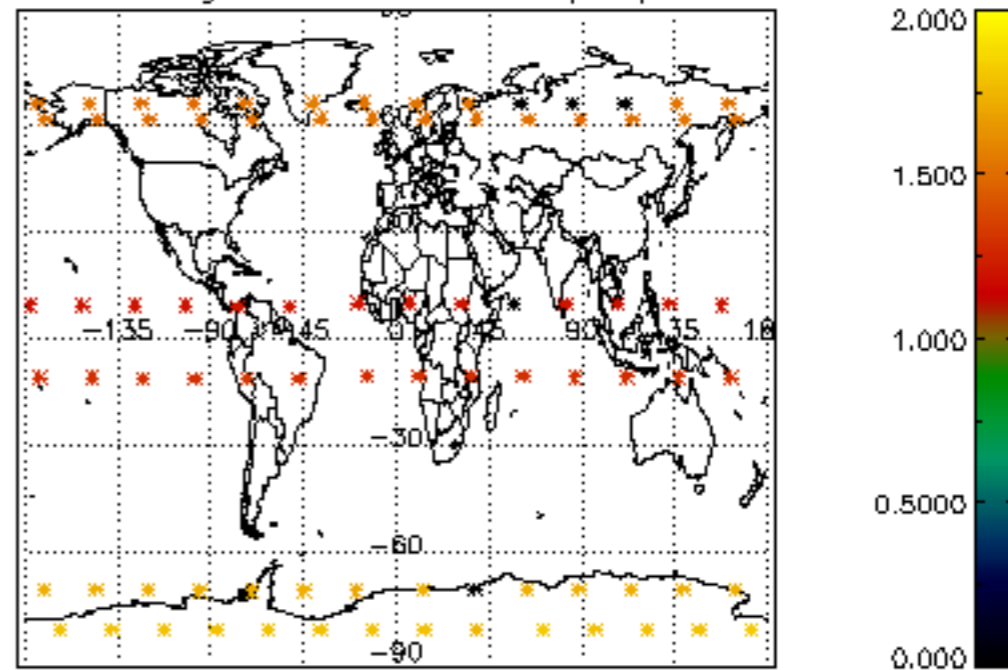




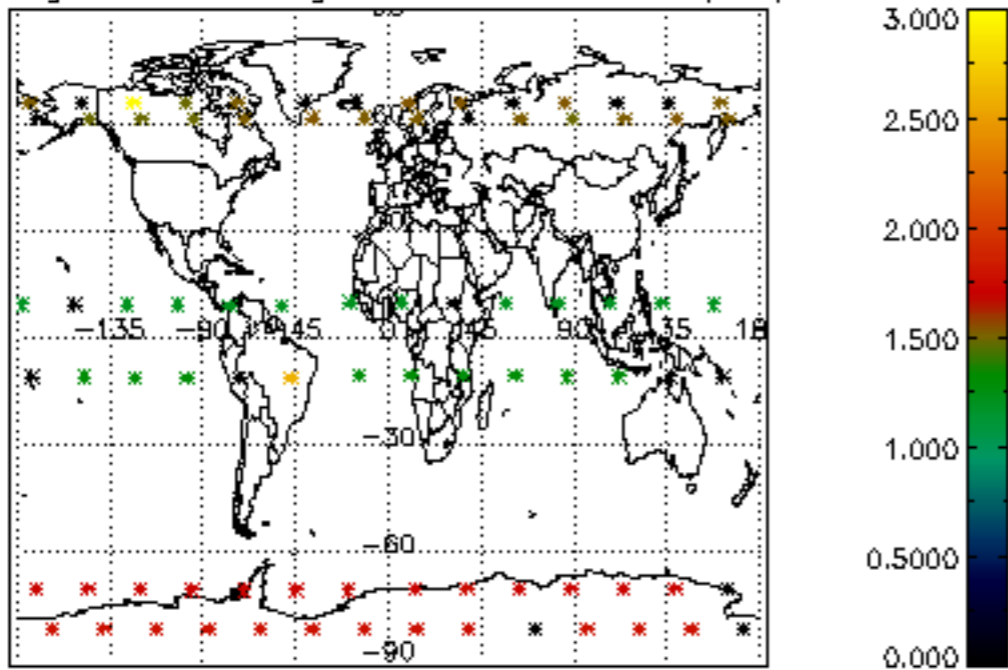
Percentage of cosmic ray hits per profile



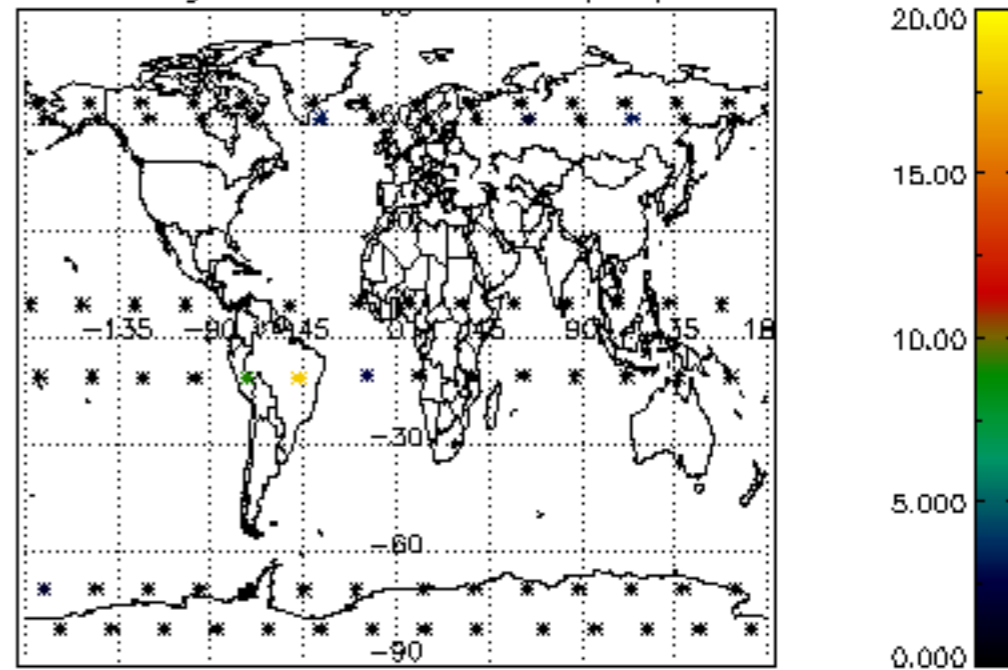
Percentage of datation errors per profile



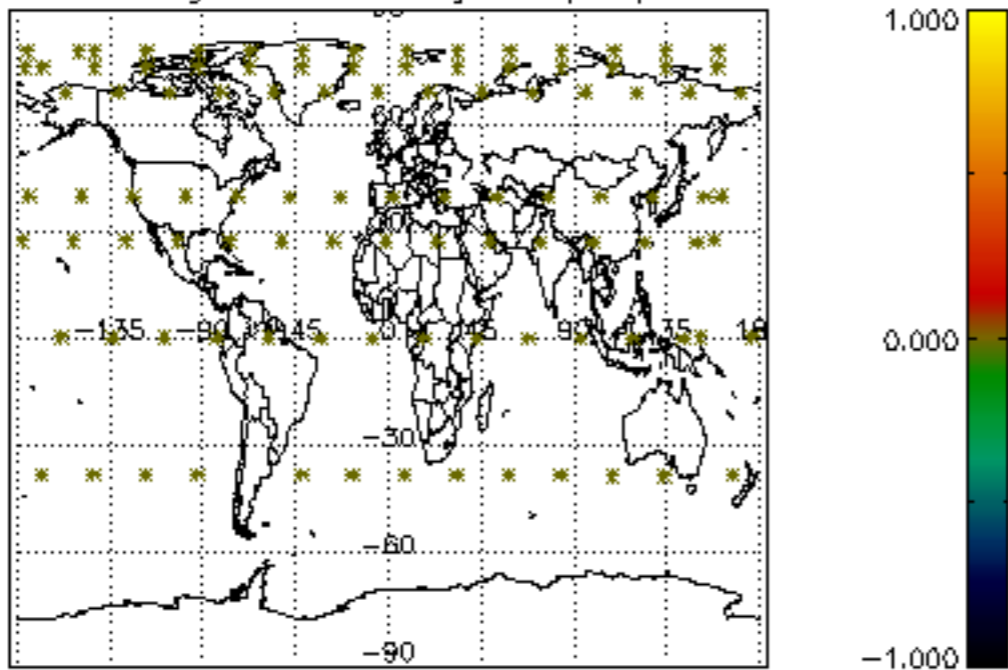
Percentage of star falling outside central band per profile



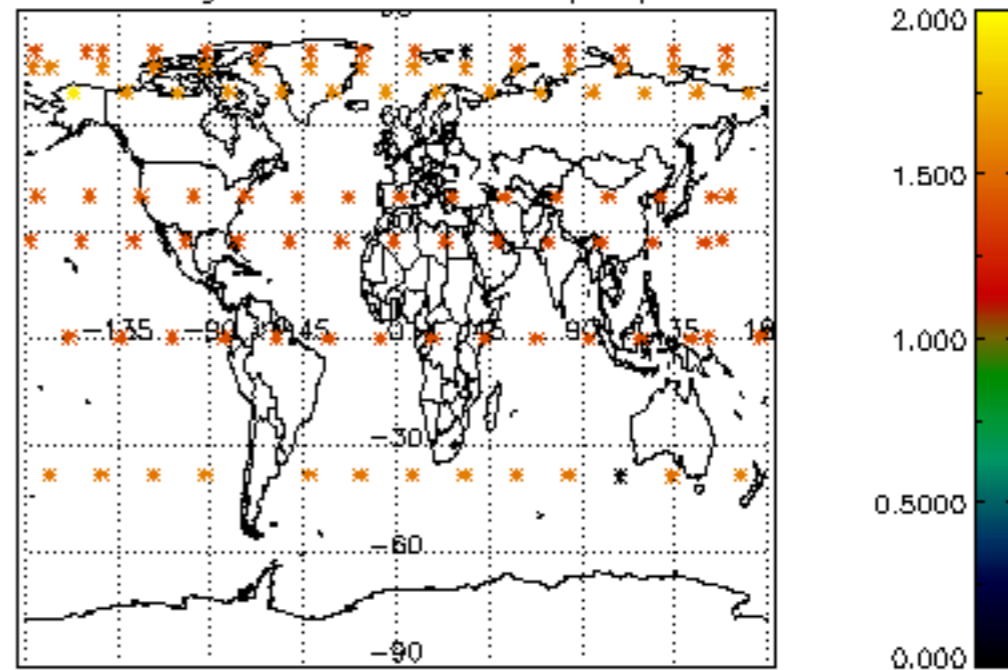
Percentage of saturation errors per profile



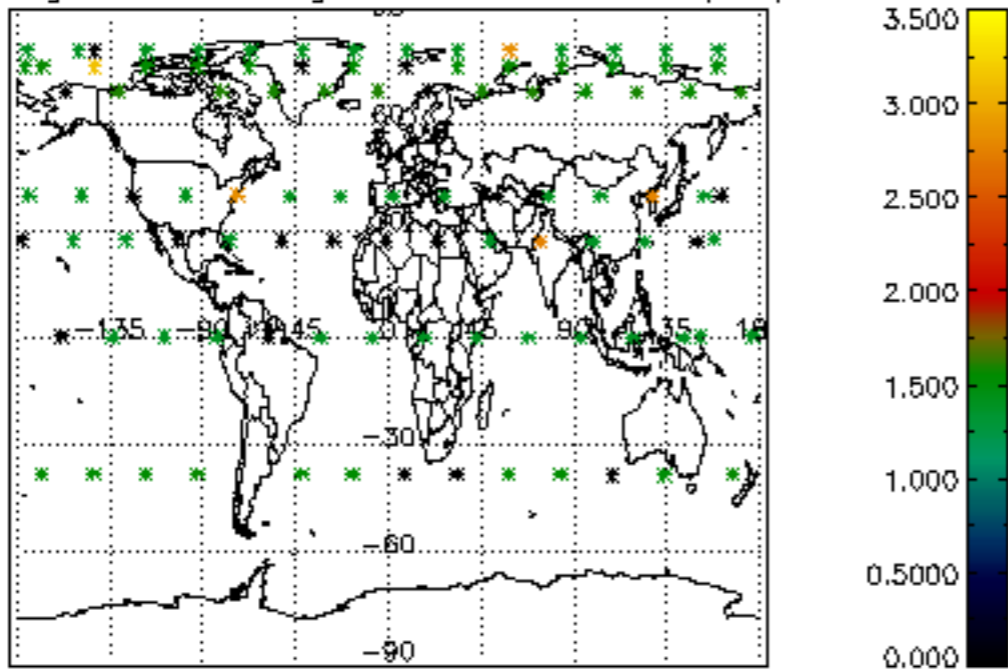
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

