

GOMOS Level 2 Daily Report

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

| Item | Value |
|---------------------------|---------------------------------|
| Time of report generation | 29APR2013 14:59:13 |
| Data source version | GOMOS/6.01 |
| Start time of products | 04-09-2010 (04SEP2010 00:00:00) |
| Stop time of products | 05-09-2010 (05SEP2010 00:00:00) |
| Store outputs in DB | Yes |
| Nb of level 2 prods | 257 |
| Nb of prods with errors | 1 |

2. Summary of processed GOM_NL__2P products.

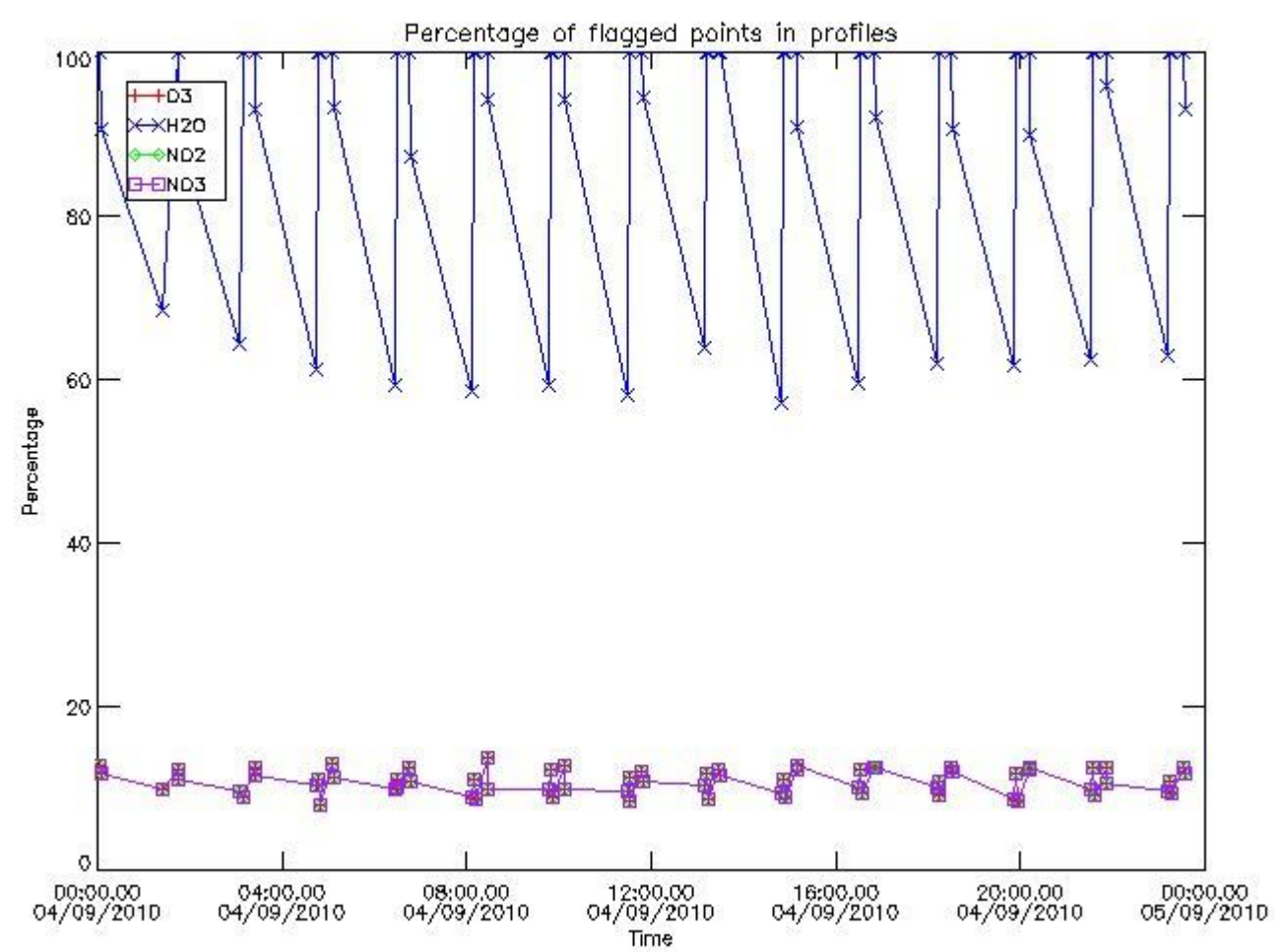
| Nr | Filename | UTC Start time | Limb | Duration | Star Id | Star Name | Star Mag | Star Temp | Nb Meas | Orbit | Prod. error |
|----|--|----------------------|------------|----------|---------|-----------|----------|-----------|---------|-------|-------------|
| 1 | GOM_NL__2PRFIN20100904_000329_000000402092_00360_44502_1515.N1 | 04-SEP-2010 00:03:29 | Dark | 40.000 | 143 | Alp Hyi | 2.8570 | 7200.0 | 80 | 44502 | No |
| 2 | GOM_NL__2PRFIN20100904_000448_000000432092_00360_44502_1516.N1 | 04-SEP-2010 00:04:48 | Dark | 43.000 | 9 | Alp Eri | 0.45300 | 24000. | 86 | 44502 | No |
| 3 | GOM_NL__2PRFIN20100904_001044_000000522092_00360_44502_1517.N1 | 04-SEP-2010 00:10:44 | Straylight | 52.000 | 84 | Alp Phe | 2.3970 | 4500.0 | 104 | 44502 | No |
| 4 | GOM_NL__2PRFIN20100904_001640_000000482092_00360_44502_1518.N1 | 04-SEP-2010 00:16:40 | Straylight | 48.000 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 96 | 44502 | No |
| 5 | GOM_NL__2PRFIN20100904_002555_000000402092_00360_44502_1519.N1 | 04-SEP-2010 00:25:55 | Bright | 39.500 | 162 | 34Alp Aqr | 2.9440 | 5350.0 | 79 | 44502 | No |
| 6 | GOM_NL__2PRFIN20100904_002854_000000382092_00360_44502_1520.N1 | 04-SEP-2010 00:28:54 | Bright | 38.000 | 61 | 8Eps Peg | 2.1000 | 3900.0 | 76 | 44502 | No |
| 7 | GOM_NL__2PRFIN20100904_003131_000000462092_00360_44502_1521.N1 | 04-SEP-2010 00:31:31 | Bright | 46.000 | 90 | 54Alp Peg | 2.4870 | 11000. | 92 | 44502 | No |
| 8 | GOM_NL__2PRFIN20100904_003544_000000442092_00360_44502_1522.N1 | 04-SEP-2010 00:35:44 | Bright | 44.000 | 164 | 44Eta Peg | 2.9480 | 5400.0 | 88 | 44502 | No |
| 9 | GOM_NL__2PRFIN20100904_004619_000000462092_00360_44502_1523.N1 | 04-SEP-2010 00:46:19 | Bright | 45.500 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 91 | 44502 | No |
| 10 | GOM_NL__2PRFIN20100904_004824_000000472092_00360_44502_1524.N1 | 04-SEP-2010 00:48:24 | Bright | 47.000 | 76 | 27Gam Cas | 2.3000 | 30000. | 94 | 44502 | No |
| 11 | GOM_NL__2PRFIN20100904_010423_000000482092_00360_44502_1525.N1 | 04-SEP-2010 01:04:23 | Bright | 47.500 | 42 | 34Bet Aur | 1.9000 | 10200. | 95 | 44502 | No |
| 12 | GOM_NL__2PRFIN20100904_010837_000000392092_00360_44502_1526.N1 | 04-SEP-2010 01:08:37 | Bright | 39.000 | 24 | 66Alp Gem | 1.5800 | 10200. | 78 | 44502 | No |
| 13 | GOM_NL__2PRFIN20100904_011240_000000572092_00360_44502_1527.N1 | 04-SEP-2010 01:12:40 | Twilight | 57.000 | 151 | 13Mu Gem | 2.8900 | 3000.0 | 114 | 44502 | No |
| 14 | GOM_NL__2PRFIN20100904_011428_000000482092_00360_44502_1528.N1 | 04-SEP-2010 01:14:28 | Twilight | 48.000 | 44 | 24Gam Gem | 1.9280 | 11000. | 96 | 44502 | No |
| 15 | GOM_NL__2PRFIN20100904_011628_000000502092_00360_44502_1529.N1 | 04-SEP-2010 01:16:28 | Twilight | 49.500 | 8 | 10Alp CMi | 0.40000 | 6500.0 | 99 | 44502 | No |
| 16 | GOM_NL__2PRFIN20100904_012420_000000562092_00360_44502_1530.N1 | 04-SEP-2010 01:24:20 | Dark | 56.000 | 1 | 9Alp CMa | -1.4400 | 11000. | 112 | 44502 | No |
| 17 | GOM_NL__2PRFIN20100904_014405_000000422092_00361_44503_1525.N1 | 04-SEP-2010 01:44:05 | Dark | 41.500 | 143 | Alp Hyi | 2.8570 | 7200.0 | 83 | 44503 | No |
| 18 | GOM_NL__2PRFIN20100904_014524_000000462092_00361_44503_1526.N1 | 04-SEP-2010 01:45:24 | Dark | 45.500 | 9 | Alp Eri | 0.45300 | 24000. | 91 | 44503 | No |
| 19 | GOM_NL__2PRFIN20100904_015121_000000462092_00361_44503_1527.N1 | 04-SEP-2010 01:51:21 | Straylight | 46.000 | 84 | Alp Phe | 2.3970 | 4500.0 | 92 | 44503 | No |
| 20 | GOM_NL__2PRFIN20100904_015716_000000532092_00361_44503_1528.N1 | 04-SEP-2010 01:57:16 | Straylight | 52.500 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 105 | 44503 | No |
| 21 | GOM_NL__2PRFIN20100904_020631_000000402092_00361_44503_1529.N1 | 04-SEP-2010 02:06:31 | Bright | 39.500 | 162 | 34Alp Aqr | 2.9440 | 5350.0 | 79 | 44503 | No |
| 22 | GOM_NL__2PRFIN20100904_020930_000000382092_00361_44503_1530.N1 | 04-SEP-2010 02:09:30 | Bright | 38.000 | 61 | 8Eps Peg | 2.1000 | 3900.0 | 76 | 44503 | No |
| 23 | GOM_NL__2PRFIN20100904_021207_000000472092_00361_44503_1531.N1 | 04-SEP-2010 02:12:07 | Bright | 47.000 | 90 | 54Alp Peg | 2.4870 | 11000. | 94 | 44503 | No |
| 24 | GOM_NL__2PRFIN20100904_021619_000000402092_00361_44503_1532.N1 | 04-SEP-2010 02:16:19 | Bright | 40.000 | 164 | 44Eta Peg | 2.9480 | 5400.0 | 80 | 44503 | No |
| 25 | GOM_NL__2PRFIN20100904_022654_000000432092_00361_44503_1533.N1 | 04-SEP-2010 02:26:54 | Bright | 42.500 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 85 | 44503 | No |
| 26 | GOM_NL__2PRFIN20100904_022900_000000442092_00361_44503_1534.N1 | 04-SEP-2010 02:29:00 | Bright | 44.000 | 76 | 27Gam Cas | 2.3000 | 30000. | 88 | 44503 | No |
| 27 | GOM_NL__2PRFIN20100904_024459_000000492092_00361_44503_1535.N1 | 04-SEP-2010 02:44:59 | Bright | 48.500 | 42 | 34Bet Aur | 1.9000 | 10200. | 97 | 44503 | No |
| 28 | GOM_NL__2PRFIN20100904_024914_000000412092_00361_44503_1536.N1 | 04-SEP-2010 02:49:14 | Bright | 40.500 | 24 | 66Alp Gem | 1.5800 | 10200. | 81 | 44503 | No |
| 29 | GOM_NL__2PRFIN20100904_025316_000000552092_00361_44503_1537.N1 | 04-SEP-2010 02:53:16 | Twilight | 54.500 | 151 | 13Mu Gem | 2.8900 | 3000.0 | 109 | 44503 | No |
| 30 | GOM_NL__2PRFIN20100904_025505_000000512092_00361_44503_1538.N1 | 04-SEP-2010 02:55:05 | Twilight | 51.000 | 44 | 24Gam Gem | 1.9280 | 11000. | 102 | 44503 | No |
| 31 | GOM_NL__2PRFIN20100904_025704_000000542092_00361_44503_1539.N1 | 04-SEP-2010 02:57:04 | Twilight | 53.500 | 8 | 10Alp CMi | 0.40000 | 6500.0 | 107 | 44503 | No |
| 32 | GOM_NL__2PRFIN20100904_030456_000000532092_00361_44503_1540.N1 | 04-SEP-2010 03:04:56 | Dark | 52.500 | 1 | 9Alp CMa | -1.4400 | 11000. | 105 | 44503 | No |
| 33 | GOM_NL__2PRFIN20100904_030929_000000572092_00361_44503_1541.N1 | 04-SEP-2010 03:09:29 | Dark | 56.500 | 101 | 11Alp Lep | 2.5820 | 7000.0 | 113 | 44503 | No |
| 34 | GOM_NL__2PRFIN20100904_032442_000000412092_00362_44504_1535.N1 | 04-SEP-2010 03:24:42 | Dark | 40.500 | 143 | Alp Hyi | 2.8570 | 7200.0 | 81 | 44504 | No |
| 35 | GOM_NL__2PRFIN20100904_032600_000000442092_00362_44504_1536.N1 | 04-SEP-2010 03:26:00 | Dark | 44.000 | 9 | Alp Eri | 0.45300 | 24000. | 88 | 44504 | No |
| 36 | GOM_NL__2PRFIN20100904_033157_000000472092_00362_44504_1537.N1 | 04-SEP-2010 03:31:57 | Straylight | 46.500 | 84 | Alp Phe | 2.3970 | 4500.0 | 93 | 44504 | No |
| 37 | GOM_NL__2PRFIN20100904_033752_000000462092_00362_44504_1538.N1 | 04-SEP-2010 03:37:52 | Straylight | 45.500 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 91 | 44504 | No |
| 38 | GOM_NL__2PRFIN20100904_034707_000000402092_00362_44504_1539.N1 | 04-SEP-2010 03:47:07 | Bright | 40.000 | 162 | 34Alp Aqr | 2.9440 | 5350.0 | 80 | 44504 | No |
| 39 | GOM_NL__2PRFIN20100904_035006_000000412092_00362_44504_1540.N1 | 04-SEP-2010 03:50:06 | Bright | 40.500 | 61 | 8Eps Peg | 2.1000 | 3900.0 | 81 | 44504 | No |
| 40 | GOM_NL__2PRFIN20100904_035242_000000462092_00362_44504_1541.N1 | 04-SEP-2010 03:52:42 | Bright | 45.500 | 90 | 54Alp Peg | 2.4870 | 11000. | 91 | 44504 | No |
| 41 | GOM_NL__2PRFIN20100904_035655_000000442092_00362_44504_1542.N1 | 04-SEP-2010 03:56:55 | Bright | 43.500 | 164 | 44Eta Peg | 2.9480 | 5400.0 | 87 | 44504 | No |
| 42 | GOM_NL__2PRFIN20100904_040730_000000412092_00362_44504_1543.N1 | 04-SEP-2010 04:07:30 | Bright | 41.000 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 82 | 44504 | No |

| | | | | | | | | | | | |
|-----|--|----------------------|------------|--------|-----|-----------|---------|--------|-----|-------|----|
| 220 | GOM_NL__2PRFIN20100904_201802_000000482092_00372_44514_1828.N1 | 04-SEP-2010 20:18:02 | Straylight | 47.500 | 84 | Alp Phe | 2.3970 | 4500.0 | 95 | 44514 | No |
| 221 | GOM_NL__2PRFIN20100904_202354_000000482092_00372_44514_1829.N1 | 04-SEP-2010 20:23:54 | Straylight | 48.000 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 96 | 44514 | No |
| 222 | GOM_NL__2PRFIN20100904_203306_000000392092_00372_44514_1830.N1 | 04-SEP-2010 20:33:06 | Bright | 38.500 | 162 | 34Alp Aqr | 2.9440 | 5350.0 | 77 | 44514 | No |
| 223 | GOM_NL__2PRFIN20100904_203837_000000462092_00372_44514_1831.N1 | 04-SEP-2010 20:38:37 | Bright | 45.500 | 90 | 54Alp Peg | 2.4870 | 11000. | 91 | 44514 | No |
| 224 | GOM_NL__2PRFIN20100904_204250_000000432092_00372_44514_1832.N1 | 04-SEP-2010 20:42:50 | Bright | 43.000 | 164 | 44Eta Peg | 2.9480 | 5400.0 | 86 | 44514 | No |
| 225 | GOM_NL__2PRFIN20100904_205323_000000452092_00372_44514_1833.N1 | 04-SEP-2010 20:53:23 | Bright | 45.000 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 90 | 44514 | No |
| 226 | GOM_NL__2PRFIN20100904_205527_000000472092_00372_44514_1834.N1 | 04-SEP-2010 20:55:27 | Bright | 46.500 | 76 | 27Gam Cas | 2.3000 | 30000. | 93 | 44514 | No |
| 227 | GOM_NL__2PRFIN20100904_211430_000000532092_00372_44514_1835.N1 | 04-SEP-2010 21:14:30 | Bright | 52.500 | 107 | 37The Aur | 2.6490 | 11000. | 105 | 44514 | No |
| 228 | GOM_NL__2PRFIN20100904_211654_000000402092_00372_44514_1836.N1 | 04-SEP-2010 21:16:54 | Bright | 39.500 | 17 | 78Bet Gem | 1.1610 | 4500.0 | 79 | 44514 | No |
| 229 | GOM_NL__2PRFIN20100904_211956_000000662092_00372_44514_1837.N1 | 04-SEP-2010 21:19:56 | Twilight | 65.500 | 151 | 13Mu Gem | 2.8900 | 3000.0 | 131 | 44514 | No |
| 230 | GOM_NL__2PRFIN20100904_212145_000000552092_00372_44514_1838.N1 | 04-SEP-2010 21:21:45 | Twilight | 54.500 | 44 | 24Gam Gem | 1.9280 | 11000. | 109 | 44514 | No |
| 231 | GOM_NL__2PRFIN20100904_212343_000000442092_00372_44514_1839.N1 | 04-SEP-2010 21:23:43 | Twilight | 44.000 | 8 | 10Alp CMi | 0.40000 | 6500.0 | 88 | 44514 | No |
| 232 | GOM_NL__2PRFIN20100904_213139_000000512092_00372_44514_1840.N1 | 04-SEP-2010 21:31:39 | Dark | 51.000 | 1 | 9Alp CMa | -1.4400 | 11000. | 102 | 44514 | No |
| 233 | GOM_NL__2PRFIN20100904_213419_000000452092_00372_44514_1841.N1 | 04-SEP-2010 21:34:19 | Dark | 45.000 | 23 | 21Eps CMa | 1.5020 | 26000. | 90 | 44514 | No |
| 234 | GOM_NL__2PRFIN20100904_213620_000000552092_00372_44514_1842.N1 | 04-SEP-2010 21:36:20 | Dark | 55.000 | 101 | 11Alp Lep | 2.5820 | 7000.0 | 110 | 44514 | No |
| 235 | GOM_NL__2PRFIN20100904_215123_000000412092_00373_44515_1840.N1 | 04-SEP-2010 21:51:23 | Dark | 40.500 | 143 | Alp Hyi | 2.8570 | 7200.0 | 81 | 44515 | No |
| 236 | GOM_NL__2PRFIN20100904_215243_000000482092_00373_44515_1841.N1 | 04-SEP-2010 21:52:43 | Dark | 48.000 | 9 | Alp Eri | 0.45300 | 24000. | 96 | 44515 | No |
| 237 | GOM_NL__2PRFIN20100904_215838_000000492092_00373_44515_1842.N1 | 04-SEP-2010 21:58:38 | Straylight | 49.000 | 84 | Alp Phe | 2.3970 | 4500.0 | 98 | 44515 | No |
| 238 | GOM_NL__2PRFIN20100904_220430_000000482092_00373_44515_1843.N1 | 04-SEP-2010 22:04:30 | Straylight | 48.000 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 96 | 44515 | No |
| 239 | GOM_NL__2PRFIN20100904_221342_000000402092_00373_44515_1844.N1 | 04-SEP-2010 22:13:42 | Bright | 40.000 | 162 | 34Alp Aqr | 2.9440 | 5350.0 | 80 | 44515 | No |
| 240 | GOM_NL__2PRFIN20100904_221912_000000452092_00373_44515_1845.N1 | 04-SEP-2010 22:19:12 | Bright | 45.000 | 90 | 54Alp Peg | 2.4870 | 11000. | 90 | 44515 | No |
| 241 | GOM_NL__2PRFIN20100904_222325_000000412092_00373_44515_1846.N1 | 04-SEP-2010 22:23:25 | Bright | 41.000 | 164 | 44Eta Peg | 2.9480 | 5400.0 | 82 | 44515 | No |
| 242 | GOM_NL__2PRFIN20100904_223358_000000452092_00373_44515_1847.N1 | 04-SEP-2010 22:33:58 | Bright | 45.000 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 90 | 44515 | No |
| 243 | GOM_NL__2PRFIN20100904_223602_000000452092_00373_44515_1848.N1 | 04-SEP-2010 22:36:02 | Bright | 45.000 | 76 | 27Gam Cas | 2.3000 | 30000. | 90 | 44515 | No |
| 244 | GOM_NL__2PRFIN20100904_225506_000000482092_00373_44515_1849.N1 | 04-SEP-2010 22:55:06 | Bright | 48.000 | 107 | 37The Aur | 2.6490 | 11000. | 96 | 44515 | No |
| 245 | GOM_NL__2PRFIN20100904_225731_000000402092_00373_44515_1850.N1 | 04-SEP-2010 22:57:31 | Bright | 39.500 | 17 | 78Bet Gem | 1.1610 | 4500.0 | 79 | 44515 | No |
| 246 | GOM_NL__2PRFIN20100904_230032_000000612092_00373_44515_1851.N1 | 04-SEP-2010 23:00:32 | Twilight | 60.500 | 151 | 13Mu Gem | 2.8900 | 3000.0 | 121 | 44515 | No |
| 247 | GOM_NL__2PRFIN20100904_230221_000000522092_00373_44515_1852.N1 | 04-SEP-2010 23:02:21 | Twilight | 52.000 | 44 | 24Gam Gem | 1.9280 | 11000. | 104 | 44515 | No |
| 248 | GOM_NL__2PRFIN20100904_230419_000000462092_00373_44515_1853.N1 | 04-SEP-2010 23:04:19 | Twilight | 45.500 | 8 | 10Alp CMi | 0.40000 | 6500.0 | 91 | 44515 | No |
| 249 | GOM_NL__2PRFIN20100904_231216_000000532092_00373_44515_1854.N1 | 04-SEP-2010 23:12:16 | Dark | 53.000 | 1 | 9Alp CMa | -1.4400 | 11000. | 106 | 44515 | No |
| 250 | GOM_NL__2PRFIN20100904_231456_000000482092_00373_44515_1855.N1 | 04-SEP-2010 23:14:56 | Dark | 47.500 | 23 | 21Eps CMa | 1.5020 | 26000. | 95 | 44515 | No |
| 251 | GOM_NL__2PRFIN20100904_231656_000000592092_00373_44515_1856.N1 | 04-SEP-2010 23:16:56 | Dark | 59.000 | 101 | 11Alp Lep | 2.5820 | 7000.0 | 118 | 44515 | No |
| 252 | GOM_NL__2PRFIN20100904_233159_000000412092_00374_44516_1857.N1 | 04-SEP-2010 23:31:59 | Dark | 40.500 | 143 | Alp Hyi | 2.8570 | 7200.0 | 81 | 44516 | No |
| 253 | GOM_NL__2PRFIN20100904_233319_000000432092_00374_44516_1858.N1 | 04-SEP-2010 23:33:19 | Dark | 43.000 | 9 | Alp Eri | 0.45300 | 24000. | 86 | 44516 | No |
| 254 | GOM_NL__2PRFIN20100904_233915_000000512092_00374_44516_1859.N1 | 04-SEP-2010 23:39:15 | Straylight | 51.000 | 84 | Alp Phe | 2.3970 | 4500.0 | 102 | 44516 | No |
| 255 | GOM_NL__2PRFIN20100904_234506_000000492092_00374_44516_1860.N1 | 04-SEP-2010 23:45:06 | Straylight | 48.500 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 97 | 44516 | No |
| 256 | GOM_NL__2PRFIN20100904_235418_000000402092_00374_44516_1861.N1 | 04-SEP-2010 23:54:18 | Bright | 39.500 | 162 | 34Alp Aqr | 2.9440 | 5350.0 | 79 | 44516 | No |
| 257 | GOM_NL__2PRFIN20100904_235948_000000472092_00374_44516_1862.N1 | 04-SEP-2010 23:59:48 | Bright | 47.000 | 90 | 54Alp Peg | 2.4870 | 11000. | 94 | 44516 | No |

3. Quality information per product

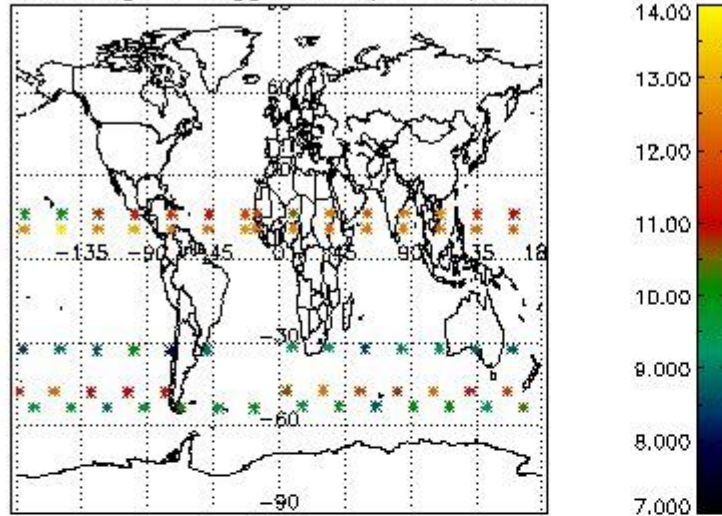
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

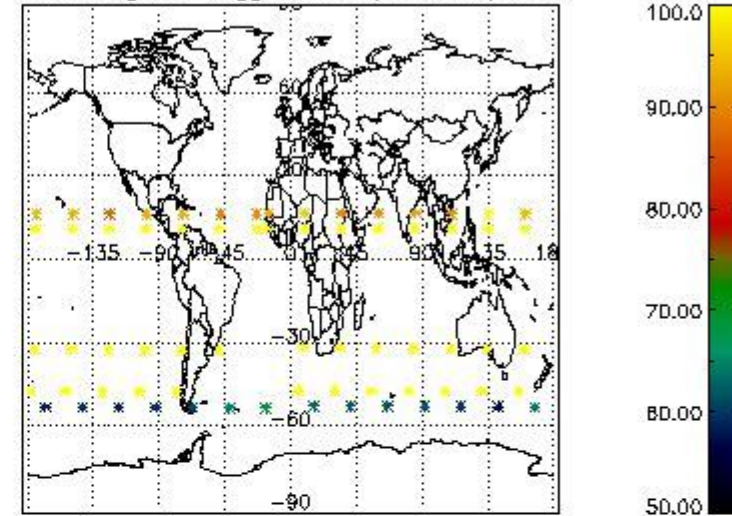


3.2 Plot quality information per product (world map)

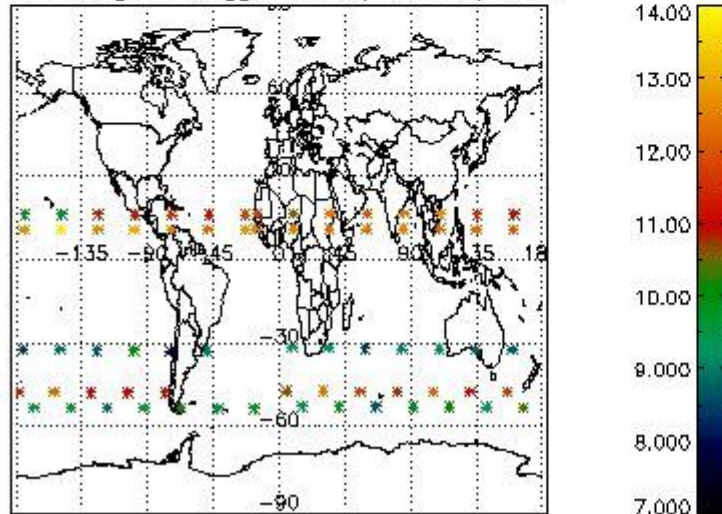
Percentage of flagged data per O3 profile



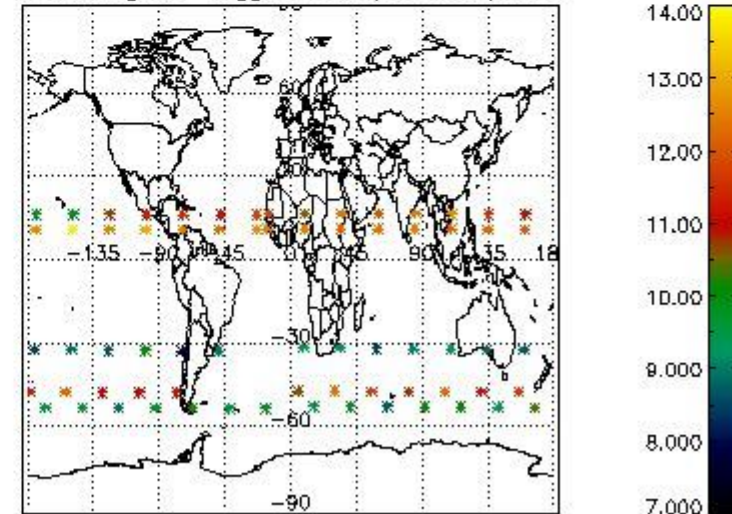
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

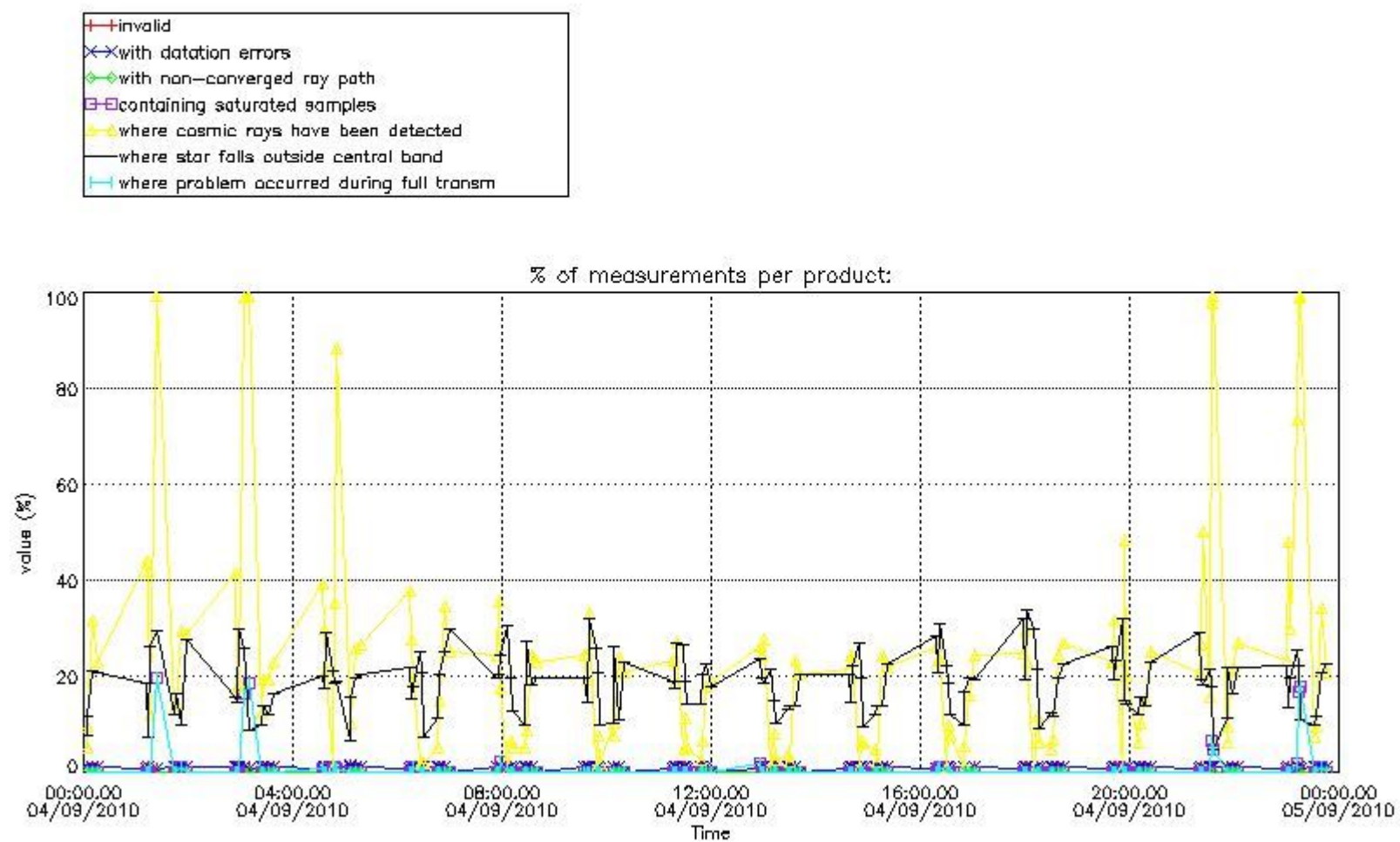


4. Level 1 quality information per product

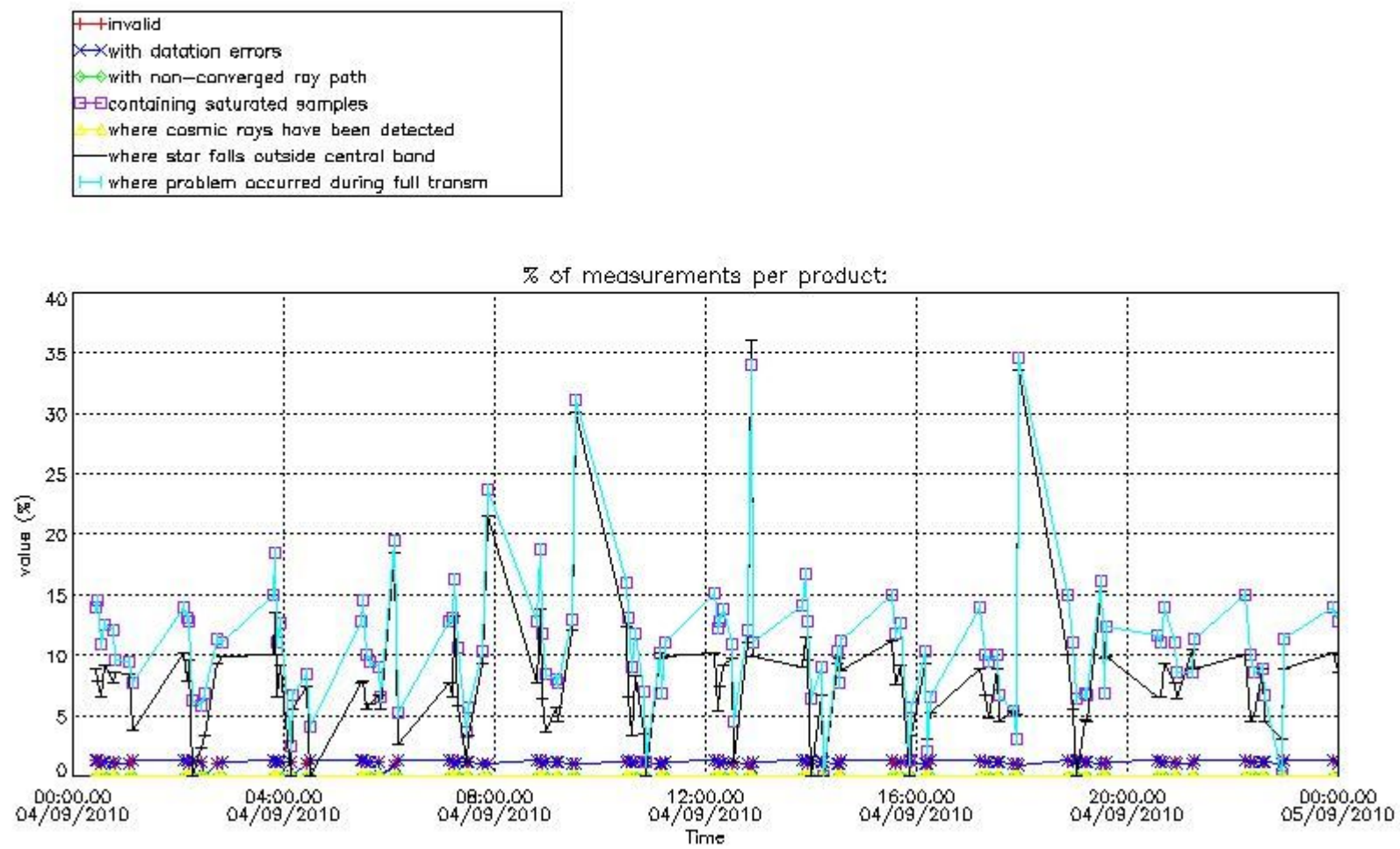
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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

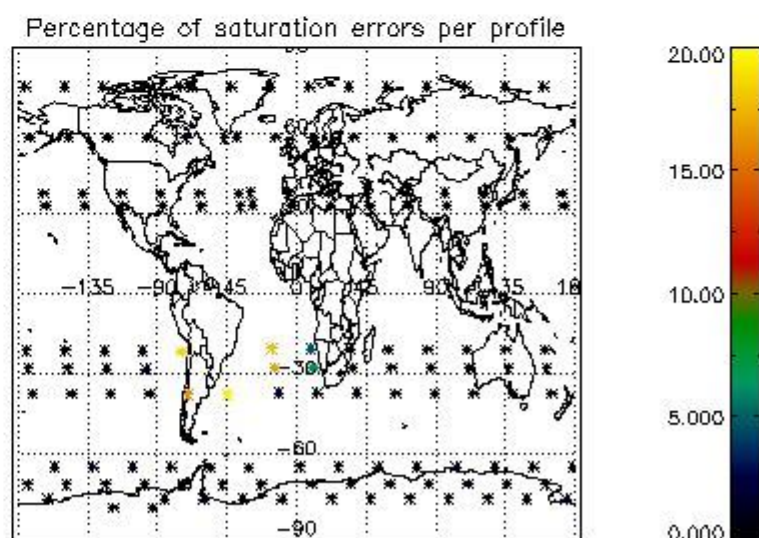
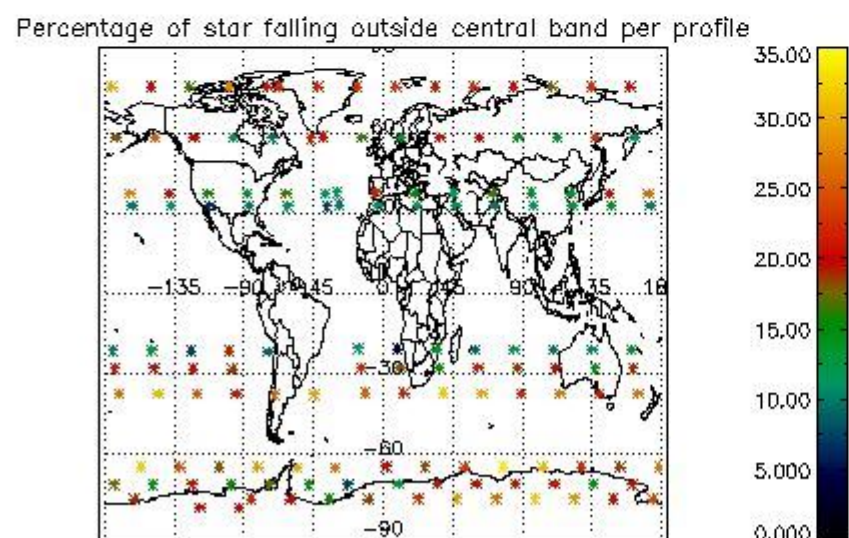
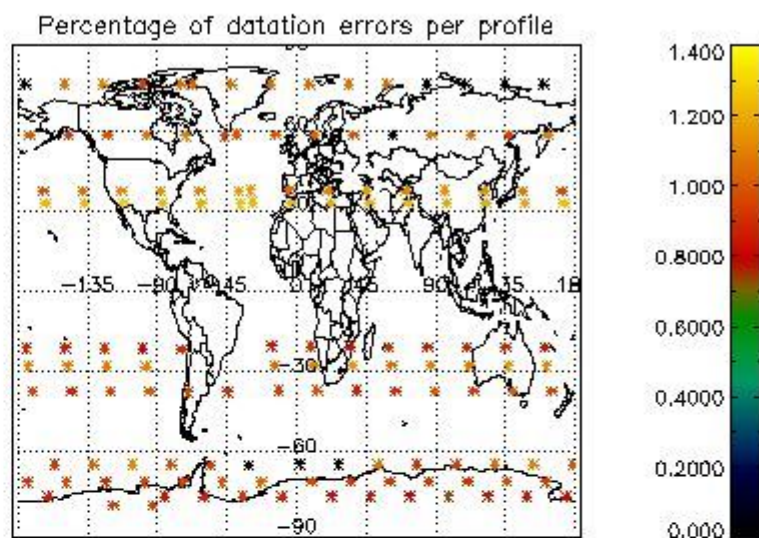
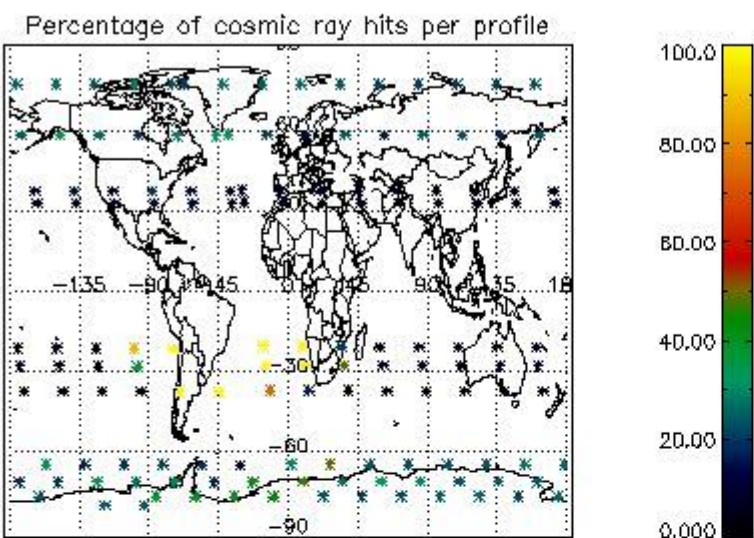


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

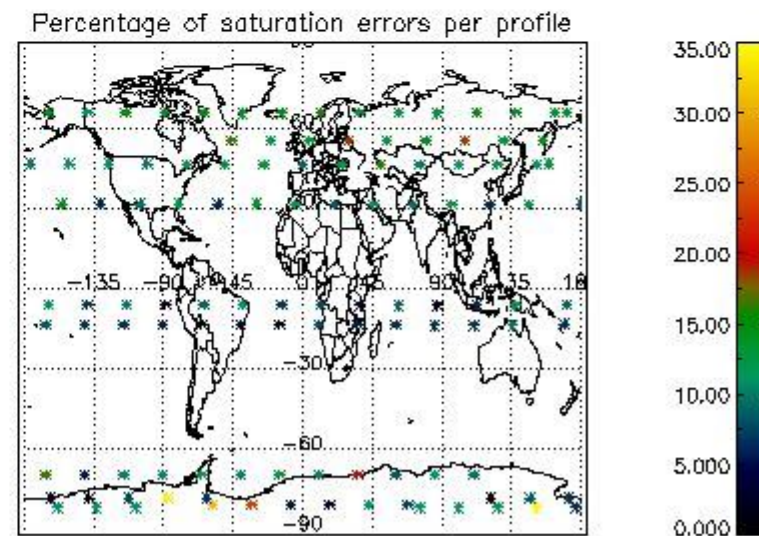
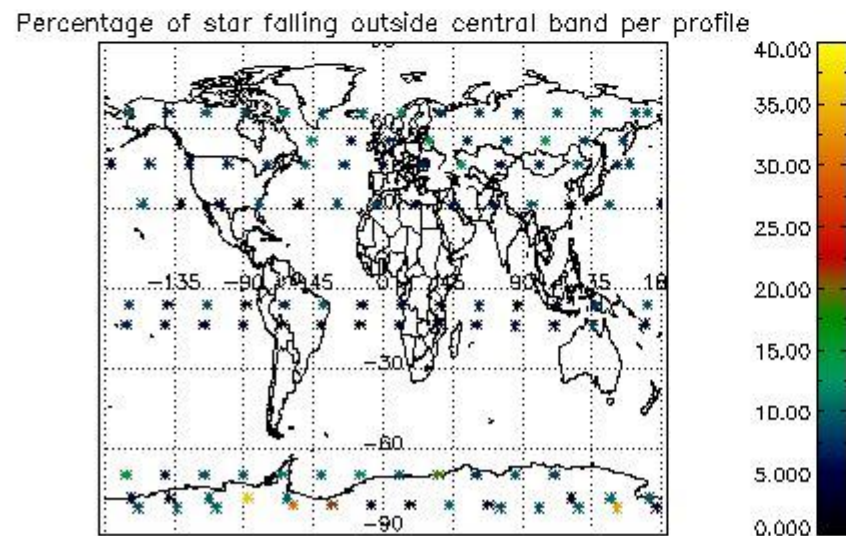
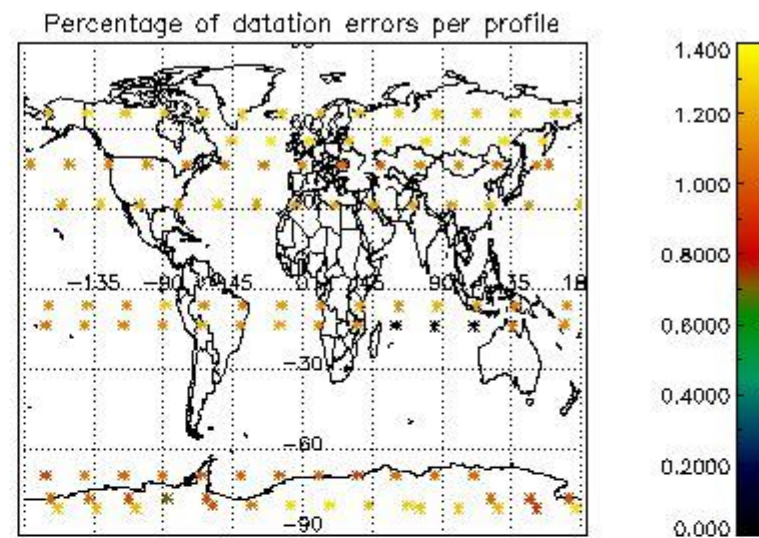
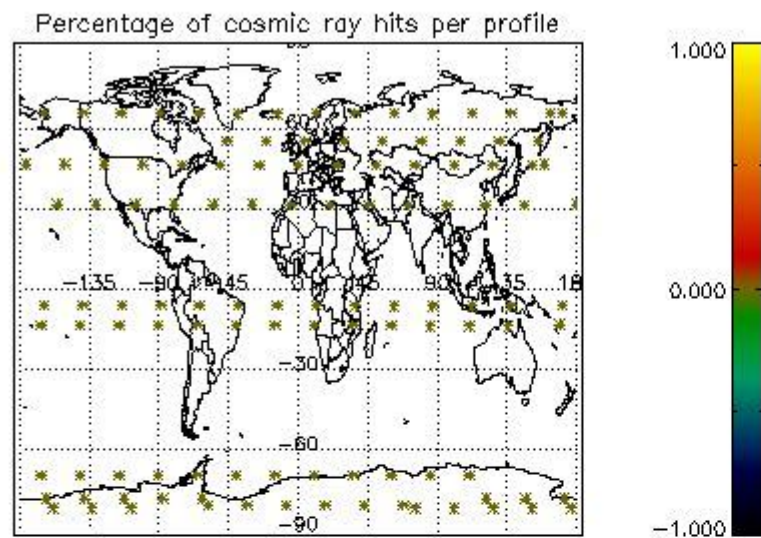


4.2 Plot quality information per product coming from level 1b processing (world map)

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



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



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

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

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

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

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

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

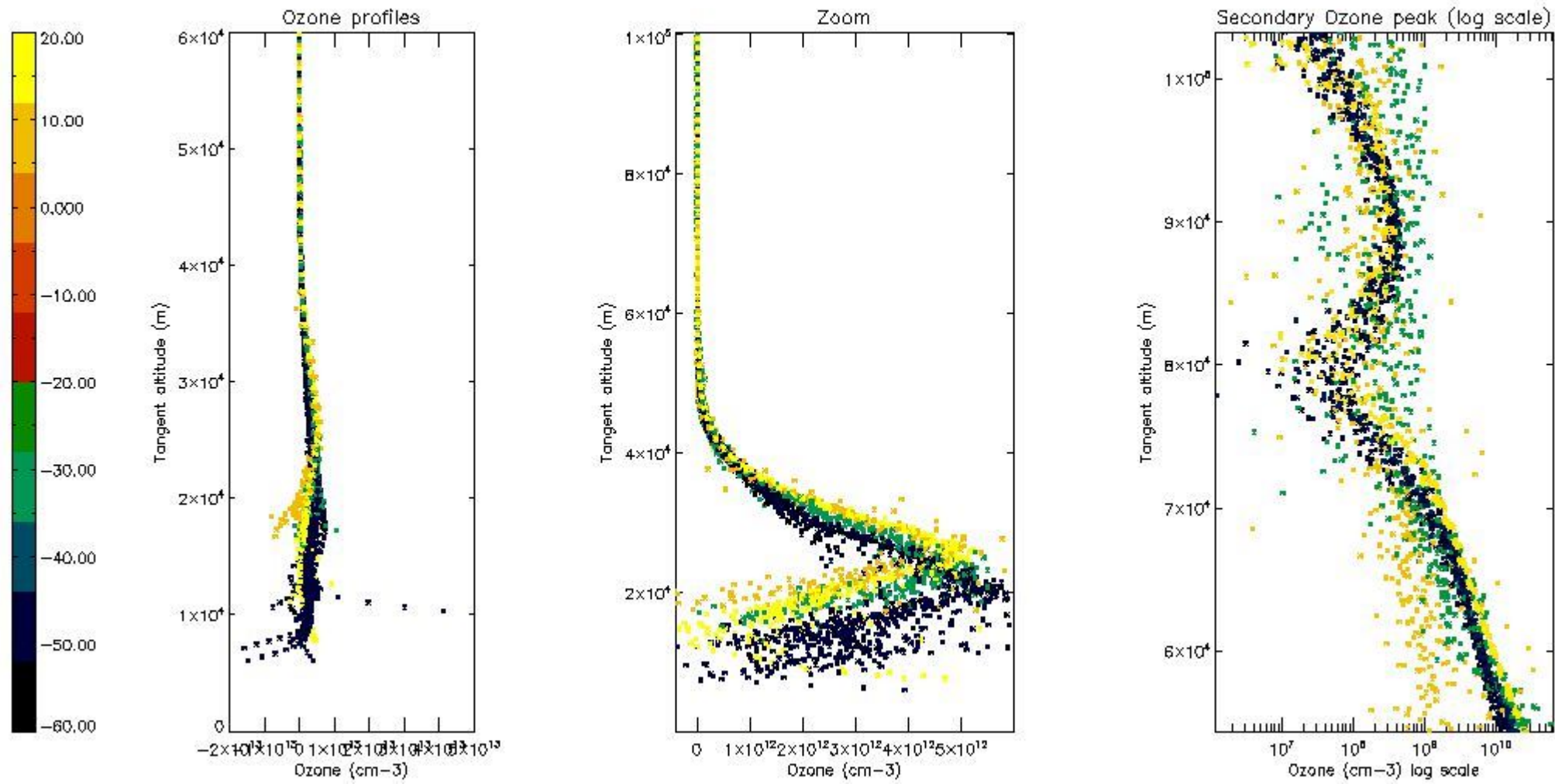
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

| Criteria | % of total production |
|----------|-----------------------|
| All STD | 28 |
| STD < 20 | 16 |

| | |
|----------|----|
| STD < 10 | 13 |
| STD < 5 | 9 |

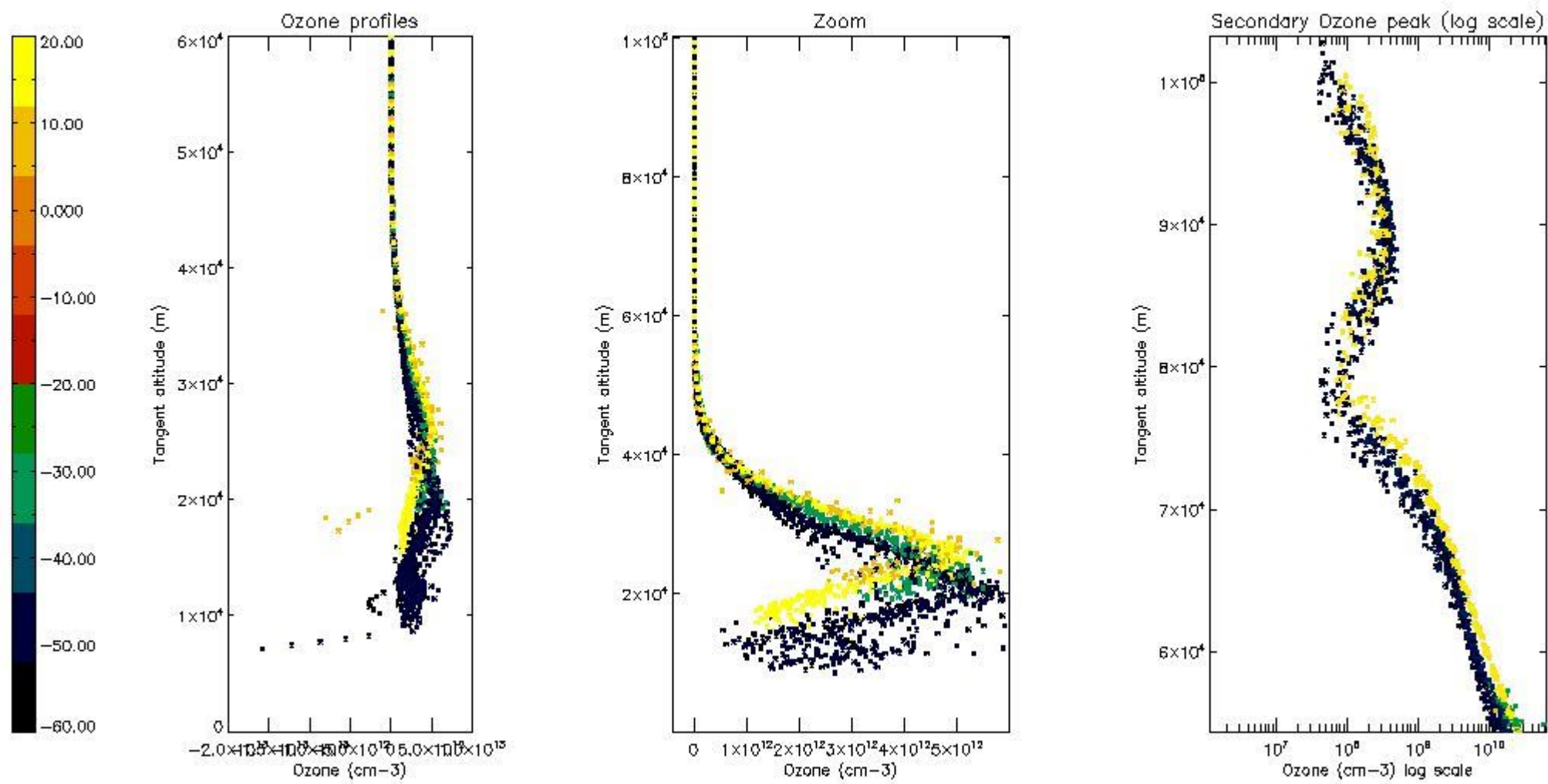
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



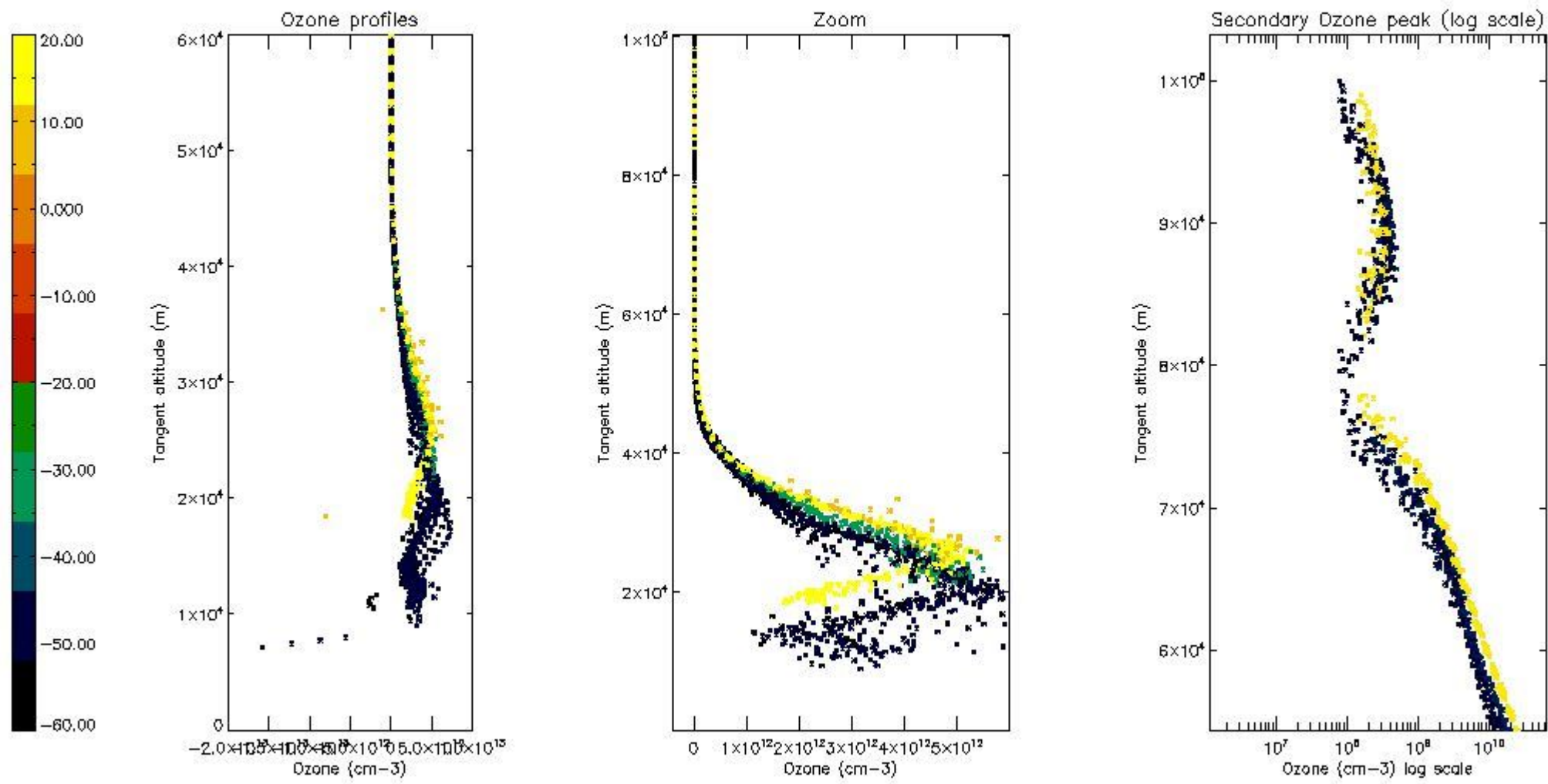
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



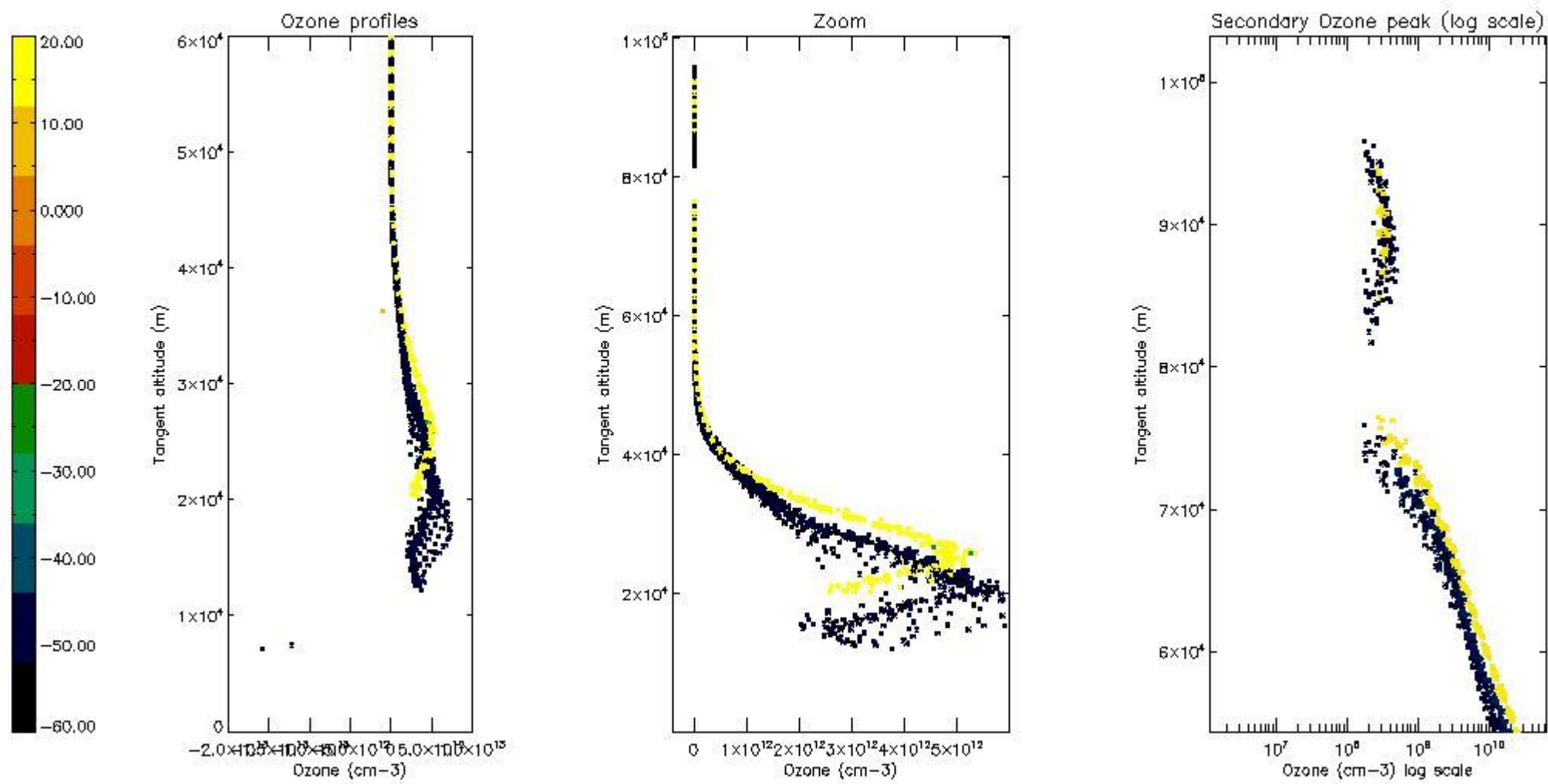
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



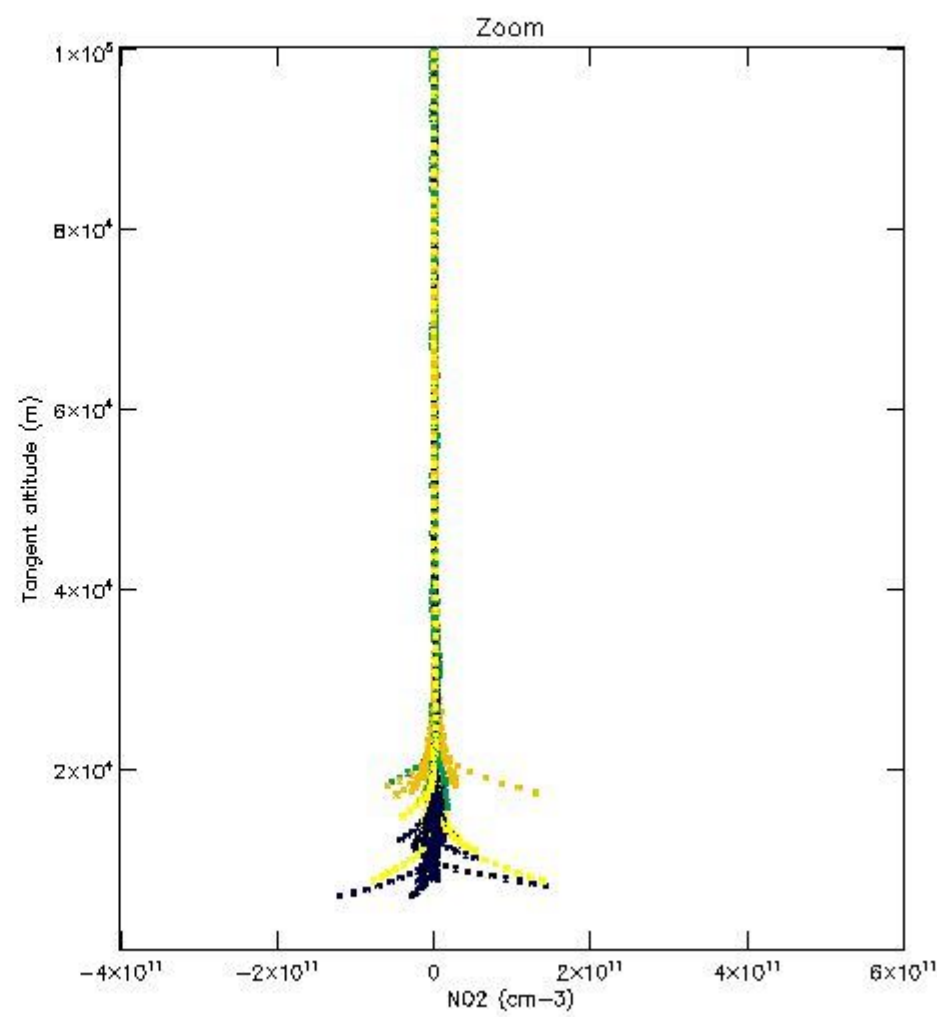
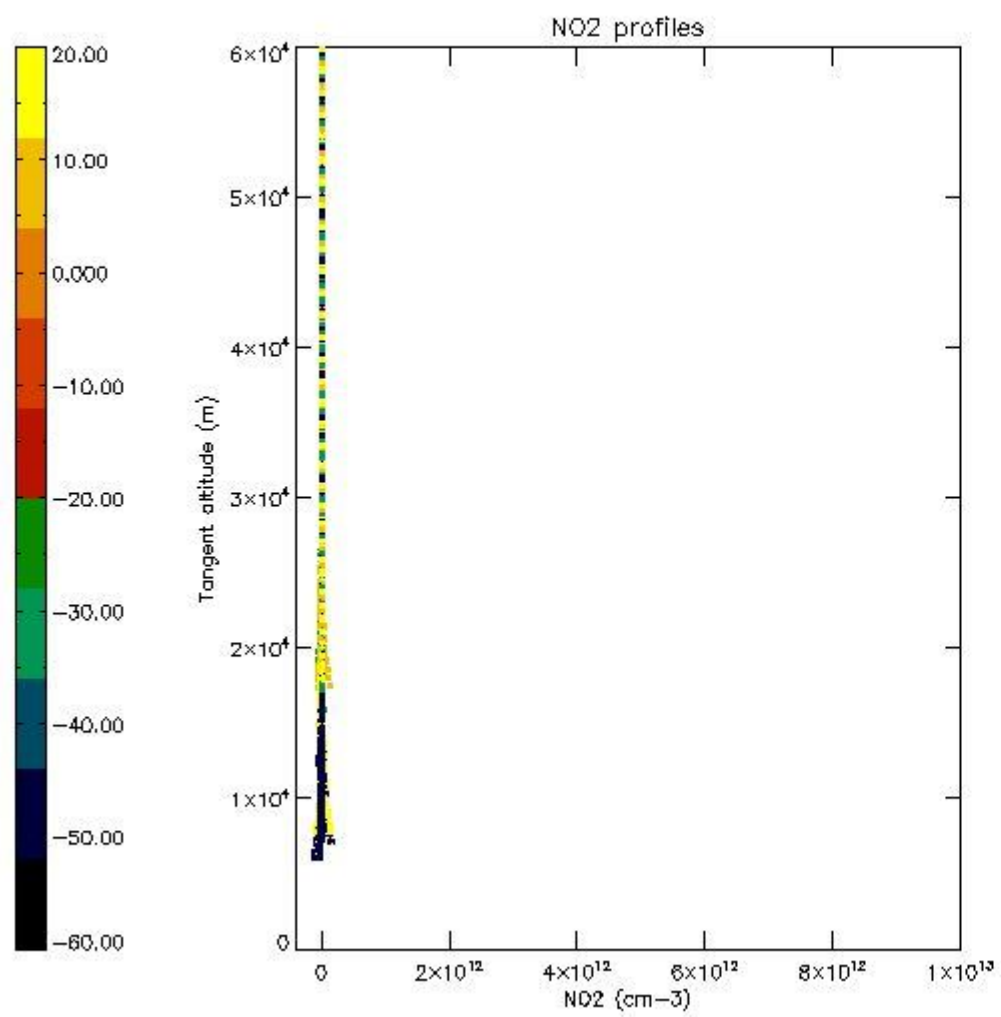
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



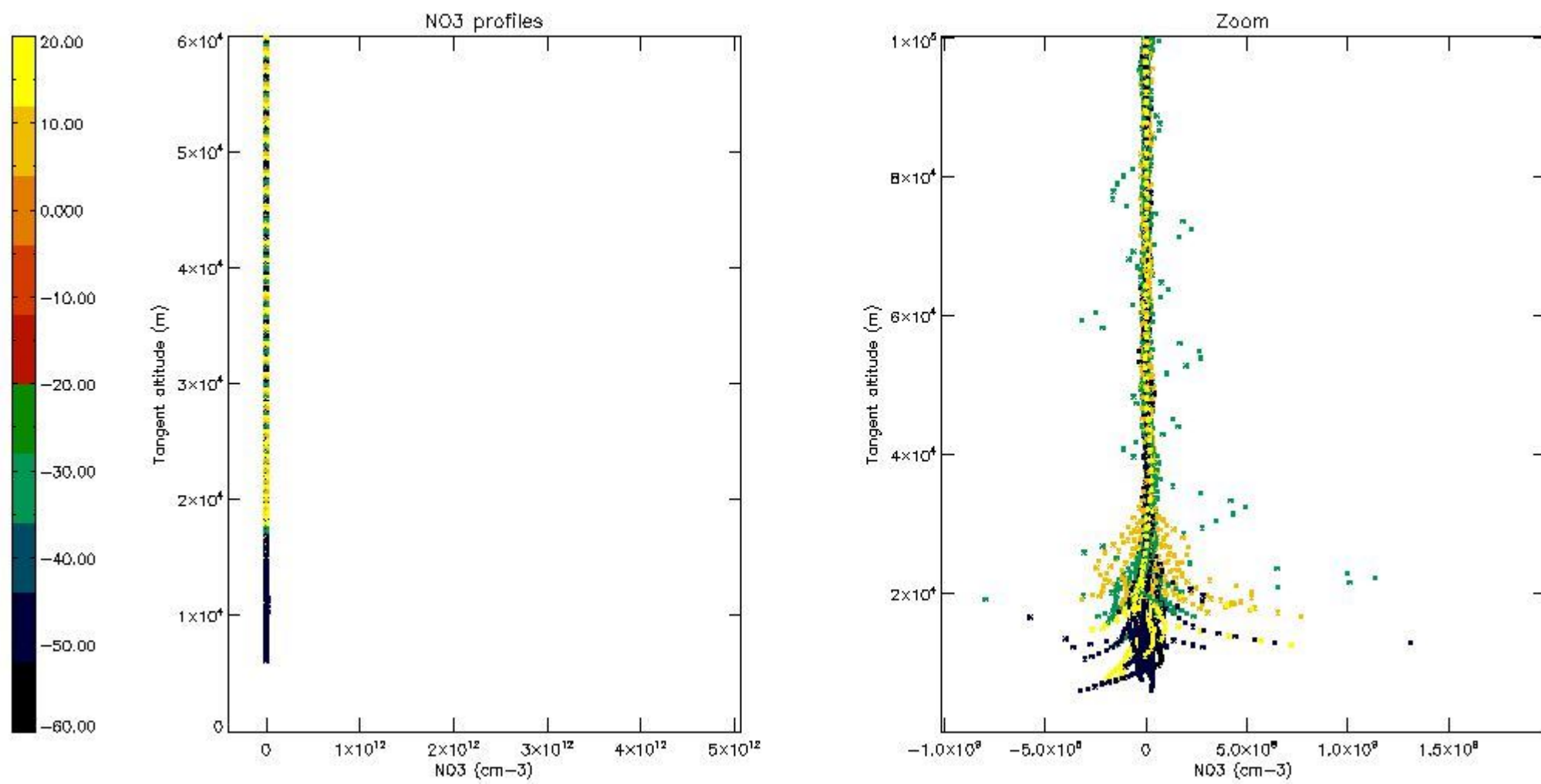
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



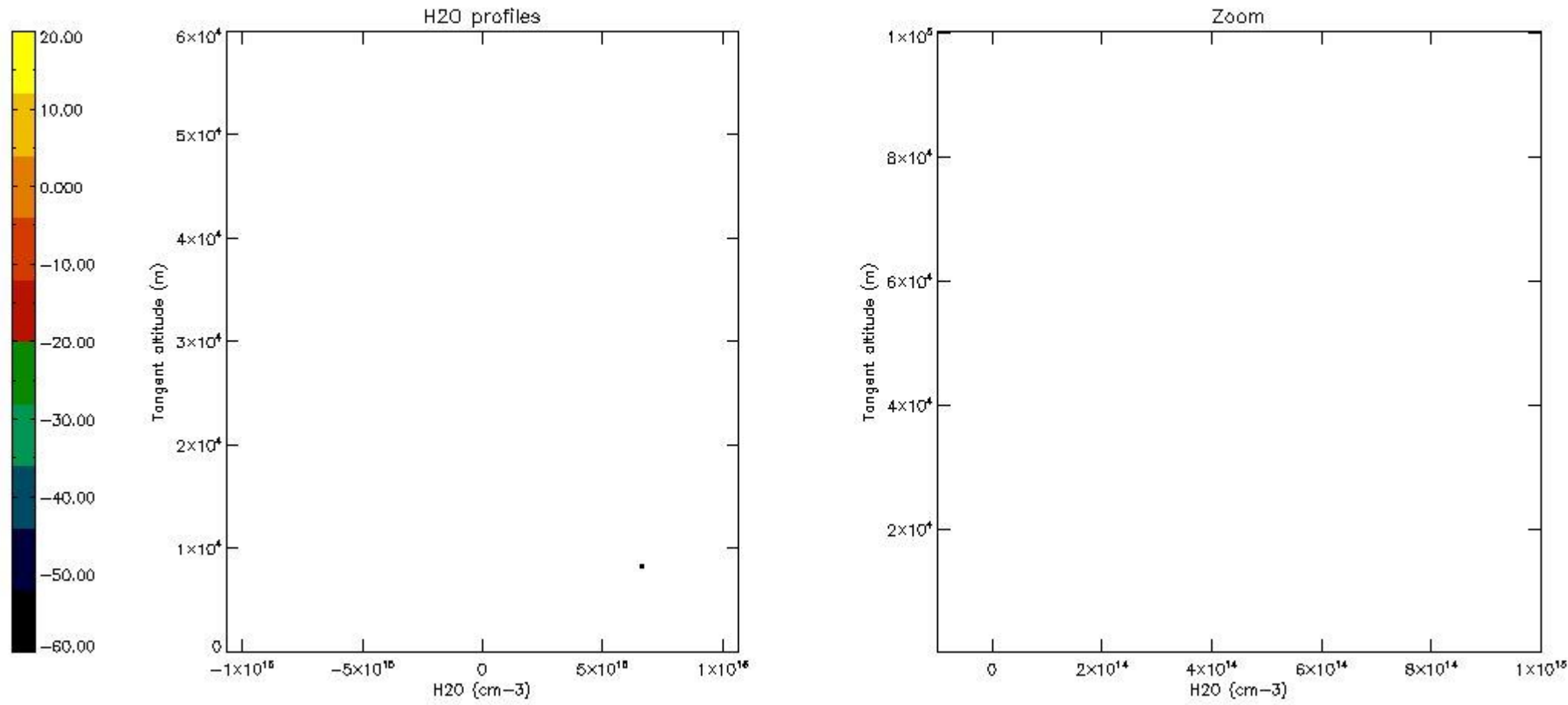
5.7 Plot NO3 profiles for all STD (dark without errors)

The colorbar represents the latitude.



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 | 04-SEP-2010 00:03:29 |
| LEVEL-2_PROC_CONFIG | GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000 | 1 | 04-SEP-2010 00:03:29 |
| CROSS_SECTIONS_FILE | GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000 | 1 | 04-SEP-2010 00:03:29 |

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 \(time dependant\)](#)

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[4. Level 1 Quality information per product \(stored on level 2 products\)](#)

[4.1 Plot of level 1 quality information per product \(time dependant\)](#)

[4.1.1 Plot of level 1 quality information per product \(time dependant\): ASCENDING](#)

[4.1.2 Plot of level 1 quality information per product \(time dependant\): DESCENDING](#)

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

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

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

[5. Ozone profiles based on quality statistics and other trace gas profiles](#)

[5.1 Ozone statistics based on quality of products](#)

[5.2 Plot ozone profiles for all STD \(dark without errors\)](#)

[5.3 Plot ozone profiles where STD < 20% \(dark without errors\)](#)

[5.4. Plot ozone profiles where STD < 10% \(dark without errors\)](#)

[5.5. Plot ozone profiles where STD < 5% \(dark without errors\)](#)

[5.6 Plot NO2 profiles for all STD \(dark without errors\)](#)

[5.7 Plot NO3 profiles for all STD \(dark without errors\)](#)

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

[6. Auxiliary Data Files used for the production reported in section 2](#)

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

| Item | Value |
|---------------------------|---------------------------------|
| Time of report generation | 29APR2013 14:59:13 |
| Data source version | GOMOS/6.01 |
| Start time of products | 04-09-2010 (04SEP2010 00:00:00) |
| Stop time of products | 05-09-2010 (05SEP2010 00:00:00) |
| Store outputs in DB | Yes |
| Nb of level 2 prods | 257 |
| Nb of prods with errors | 1 |

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__2PRFIN20100904_000329_000000402092_00360_44502_1515.N1 | 04-SEP-2010 00:03:29 | Dark | 40.000 | 143 | Alp Hyi | 2.8570 | 7200.0 | 80 | 44502 | No |
| 2 | GOM_NL__2PRFIN20100904_000448_000000432092_00360_44502_1516.N1 | 04-SEP-2010 00:04:48 | Dark | 43.000 | 9 | Alp Eri | 0.45300 | 24000. | 86 | 44502 | No |
| 3 | GOM_NL__2PRFIN20100904_001044_000000522092_00360_44502_1517.N1 | 04-SEP-2010 00:10:44 | Straylight | 52.000 | 84 | Alp Phe | 2.3970 | 4500.0 | 104 | 44502 | No |
| 4 | GOM_NL__2PRFIN20100904_001640_000000482092_00360_44502_1518.N1 | 04-SEP-2010 00:16:40 | Straylight | 48.000 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 96 | 44502 | No |
| 5 | GOM_NL__2PRFIN20100904_002555_000000402092_00360_44502_1519.N1 | 04-SEP-2010 00:25:55 | Bright | 39.500 | 162 | 34Alp Aqr | 2.9440 | 5350.0 | 79 | 44502 | No |
| 6 | GOM_NL__2PRFIN20100904_002854_000000382092_00360_44502_1520.N1 | 04-SEP-2010 00:28:54 | Bright | 38.000 | 61 | 8Eps Peg | 2.1000 | 3900.0 | 76 | 44502 | No |
| 7 | GOM_NL__2PRFIN20100904_003131_000000462092_00360_44502_1521.N1 | 04-SEP-2010 00:31:31 | Bright | 46.000 | 90 | 54Alp Peg | 2.4870 | 11000. | 92 | 44502 | No |
| 8 | GOM_NL__2PRFIN20100904_003544_000000442092_00360_44502_1522.N1 | 04-SEP-2010 00:35:44 | Bright | 44.000 | 164 | 44Eta Peg | 2.9480 | 5400.0 | 88 | 44502 | No |
| 9 | GOM_NL__2PRFIN20100904_004619_000000462092_00360_44502_1523.N1 | 04-SEP-2010 00:46:19 | Bright | 45.500 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 91 | 44502 | No |
| 10 | GOM_NL__2PRFIN20100904_004824_000000472092_00360_44502_1524.N1 | 04-SEP-2010 00:48:24 | Bright | 47.000 | 76 | 27Gam Cas | 2.3000 | 30000. | 94 | 44502 | No |
| 11 | GOM_NL__2PRFIN20100904_010423_000000482092_00360_44502_1525.N1 | 04-SEP-2010 01:04:23 | Bright | 47.500 | 42 | 34Bet Aur | 1.9000 | 10200. | 95 | 44502 | No |
| 12 | GOM_NL__2PRFIN20100904_010837_000000392092_00360_44502_1526.N1 | 04-SEP-2010 01:08:37 | Bright | 39.000 | 24 | 66Alp Gem | 1.5800 | 10200. | 78 | 44502 | No |
| 13 | GOM_NL__2PRFIN20100904_011240_000000572092_00360_44502_1527.N1 | 04-SEP-2010 01:12:40 | Twilight | 57.000 | 151 | 13Mu Gem | 2.8900 | 3000.0 | 114 | 44502 | No |
| 14 | GOM_NL__2PRFIN20100904_011428_000000482092_00360_44502_1528.N1 | 04-SEP-2010 01:14:28 | Twilight | 48.000 | 44 | 24Gam Gem | 1.9280 | 11000. | 96 | 44502 | No |
| 15 | GOM_NL__2PRFIN20100904_011628_000000502092_00360_44502_1529.N1 | 04-SEP-2010 01:16:28 | Twilight | 49.500 | 8 | 10Alp CMi | 0.40000 | 6500.0 | 99 | 44502 | No |
| 16 | GOM_NL__2PRFIN20100904_012420_000000562092_00360_44502_1530.N1 | 04-SEP-2010 01:24:20 | Dark | 56.000 | 1 | 9Alp CMa | -1.4400 | 11000. | 112 | 44502 | No |
| 17 | GOM_NL__2PRFIN20100904_014405_000000422092_00361_44503_1525.N1 | 04-SEP-2010 01:44:05 | Dark | 41.500 | 143 | Alp Hyi | 2.8570 | 7200.0 | 83 | 44503 | No |
| 18 | GOM_NL__2PRFIN20100904_014524_000000462092_00361_44503_1526.N1 | 04-SEP-2010 01:45:24 | Dark | 45.500 | 9 | Alp Eri | 0.45300 | 24000. | 91 | 44503 | No |
| 19 | GOM_NL__2PRFIN20100904_015121_000000462092_00361_44503_1527.N1 | 04-SEP-2010 01:51:21 | Straylight | 46.000 | 84 | Alp Phe | 2.3970 | 4500.0 | 92 | 44503 | No |
| 20 | GOM_NL__2PRFIN20100904_015716_000000532092_00361_44503_1528.N1 | 04-SEP-2010 01:57:16 | Straylight | 52.500 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 105 | 44503 | No |
| 21 | GOM_NL__2PRFIN20100904_020631_000000402092_00361_44503_1529.N1 | 04-SEP-2010 02:06:31 | Bright | 39.500 | 162 | 34Alp Aqr | 2.9440 | 5350.0 | 79 | 44503 | No |
| 22 | GOM_NL__2PRFIN20100904_020930_000000382092_00361_44503_1530.N1 | 04-SEP-2010 02:09:30 | Bright | 38.000 | 61 | 8Eps Peg | 2.1000 | 3900.0 | 76 | 44503 | No |
| 23 | GOM_NL__2PRFIN20100904_021207_000000472092_00361_44503_1531.N1 | 04-SEP-2010 02:12:07 | Bright | 47.000 | 90 | 54Alp Peg | 2.4870 | 11000. | 94 | 44503 | No |
| 24 | GOM_NL__2PRFIN20100904_021619_000000402092_00361_44503_1532.N1 | 04-SEP-2010 02:16:19 | Bright | 40.000 | 164 | 44Eta Peg | 2.9480 | 5400.0 | 80 | 44503 | No |
| 25 | GOM_NL__2PRFIN20100904_022654_000000432092_00361_44503_1533.N1 | 04-SEP-2010 02:26:54 | Bright | 42.500 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 85 | 44503 | No |
| 26 | GOM_NL__2PRFIN20100904_022900_000000442092_00361_44503_1534.N1 | 04-SEP-2010 02:29:00 | Bright | 44.000 | 76 | 27Gam Cas | 2.3000 | 30000. | 88 | 44503 | No |
| 27 | GOM_NL__2PRFIN20100904_024459_000000492092_00361_44503_1535.N1 | 04-SEP-2010 02:44:59 | Bright | 48.500 | 42 | 34Bet Aur | 1.9000 | 10200. | 97 | 44503 | No |
| 28 | GOM_NL__2PRFIN20100904_024914_000000412092_00361_44503_1536.N1 | 04-SEP-2010 02:49:14 | Bright | 40.500 | 24 | 66Alp Gem | 1.5800 | 10200. | 81 | 44503 | No |
| 29 | GOM_NL__2PRFIN20100904_025316_000000552092_00361_44503_1537.N1 | 04-SEP-2010 02:53:16 | Twilight | 54.500 | 151 | 13Mu Gem | 2.8900 | 3000.0 | 109 | 44503 | No |
| 30 | GOM_NL__2PRFIN20100904_025505_000000512092_00361_44503_1538.N1 | 04-SEP-2010 02:55:05 | Twilight | 51.000 | 44 | 24Gam Gem | 1.9280 | 11000. | 102 | 44503 | No |
| 31 | GOM_NL__2PRFIN20100904_025704_000000542092_00361_44503_1539.N1 | 04-SEP-2010 02:57:04 | Twilight | 53.500 | 8 | 10Alp CMi | 0.40000 | 6500.0 | 107 | 44503 | No |
| 32 | GOM_NL__2PRFIN20100904_030456_000000532092_00361_44503_1540.N1 | 04-SEP-2010 03:04:56 | Dark | 52.500 | 1 | 9Alp CMa | -1.4400 | 11000. | 105 | 44503 | No |
| 33 | GOM_NL__2PRFIN20100904_030929_000000572092_00361_44503_1541.N1 | 04-SEP-2010 03:09:29 | Dark | 56.500 | 101 | 11Alp Lep | 2.5820 | 7000.0 | 113 | 44503 | No |
| 34 | GOM_NL__2PRFIN20100904_032442_000000412092_00362_44504_1535.N1 | 04-SEP-2010 03:24:42 | Dark | 40.500 | 143 | Alp Hyi | 2.8570 | 7200.0 | 81 | 44504 | No |
| 35 | GOM_NL__2PRFIN20100904_032600_000000442092_00362_44504_1536.N1 | 04-SEP-2010 03:26:00 | Dark | 44.000 | 9 | Alp Eri | 0.45300 | 24000. | 88 | 44504 | No |
| 36 | GOM_NL__2PRFIN20100904_033157_000000472092_00362_44504_1537.N1 | 04-SEP-2010 03:31:57 | Straylight | 46.500 | 84 | Alp Phe | 2.3970 | 4500.0 | 93 | 44504 | No |
| 37 | GOM_NL__2PRFIN20100904_033752_000000462092_00362_44504_1538.N1 | 04-SEP-2010 03:37:52 | Straylight | 45.500 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 91 | 44504 | No |
| 38 | GOM_NL__2PRFIN20100904_034707_000000402092_00362_44504_1539.N1 | 04-SEP-2010 03:47:07 | Bright | 40.000 | 162 | 34Alp Aqr | 2.9440 | 5350.0 | 80 | 44504 | No |
| 39 | GOM_NL__2PRFIN20100904_035006_000000412092_00362_44504_1540.N1 | 04-SEP-2010 03:50:06 | Bright | 40.500 | 61 | 8Eps Peg | 2.1000 | 3900.0 | 81 | 44504 | No |
| 40 | GOM_NL__2PRFIN20100904_035242_000000462092_00362_44504_1541.N1 | 04-SEP-2010 03:52:42 | Bright | 45.500 | 90 | 54Alp Peg | 2.4870 | 11000. | 91 | 44504 | No |
| 41 | GOM_NL__2PRFIN20100904_035655_000000442092_00362_44504_1542.N1 | 04-SEP-2010 03:56:55 | Bright | 43.500 | 164 | 44Eta Peg | 2.9480 | 5400.0 | 87 | 44504 | No |
| 42 | GOM_NL__2PRFIN20100904_040730_000000412092_00362_44504_1543.N1 | 04-SEP-2010 04:07:30 | Bright | 41.000 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 82 | 44504 | No |

| | | | | | | | | | | | |
|-----|--|----------------------|---------------|--------|-----|-----------|---------|--------|-----|-------|----|
| 43 | GOM_NL__2PRFIN20100904_040935_000000452092_00362_44504_1544.N1 | 04-SEP-2010 04:09:35 | Bright | 45.000 | 76 | 27Gam Cas | 2.3000 | 30000. | 90 | 44504 | No |
| 44 | GOM_NL__2PRFIN20100904_042534_000000482092_00362_44504_1545.N1 | 04-SEP-2010 04:25:34 | Bright | 47.500 | 42 | 34Bet Aur | 1.9000 | 10200. | 95 | 44504 | No |
| 45 | GOM_NL__2PRFIN20100904_042950_000000382092_00362_44504_1546.N1 | 04-SEP-2010 04:29:50 | Bright | 37.500 | 24 | 66Alp Gem | 1.5800 | 10200. | 75 | 44504 | No |
| 46 | GOM_NL__2PRFIN20100904_043353_000000582092_00362_44504_1547.N1 | 04-SEP-2010 04:33:53 | Twi_and_stray | 57.500 | 151 | 13Mu Gem | 2.8900 | 3000.0 | 115 | 44504 | No |
| 47 | GOM_NL__2PRFIN20100904_043541_000000522092_00362_44504_1548.N1 | 04-SEP-2010 04:35:41 | Twi_and_stray | 52.000 | 44 | 24Gam Gem | 1.9280 | 11000. | 104 | 44504 | No |
| 48 | GOM_NL__2PRFIN20100904_043740_000000522092_00362_44504_1549.N1 | 04-SEP-2010 04:37:40 | Twilight | 51.500 | 8 | 10Alp CMi | 0.40000 | 6500.0 | 103 | 44504 | No |
| 49 | GOM_NL__2PRFIN20100904_044533_000000502092_00362_44504_1550.N1 | 04-SEP-2010 04:45:33 | Dark | 49.500 | 1 | 9Alp CMa | -1.4400 | 11000. | 99 | 44504 | No |
| 50 | GOM_NL__2PRFIN20100904_044814_000000462092_00362_44504_1551.N1 | 04-SEP-2010 04:48:14 | Dark | 45.500 | 23 | 21Eps CMa | 1.5020 | 26000. | 91 | 44504 | No |
| 51 | GOM_NL__2PRFIN20100904_045006_000000642092_00362_44504_1552.N1 | 04-SEP-2010 04:50:06 | Dark | 63.500 | 101 | 11Alp Lep | 2.5820 | 7000.0 | 127 | 44504 | No |
| 52 | GOM_NL__2PRFIN20100904_050518_000000392092_00363_44505_1545.N1 | 04-SEP-2010 05:05:18 | Dark | 39.000 | 143 | Alp Hyi | 2.8570 | 7200.0 | 78 | 44505 | No |
| 53 | GOM_NL__2PRFIN20100904_050637_000000452092_00363_44505_1546.N1 | 04-SEP-2010 05:06:37 | Dark | 45.000 | 9 | Alp Eri | 0.45300 | 24000. | 90 | 44505 | No |
| 54 | GOM_NL__2PRFIN20100904_051234_000000512092_00363_44505_1547.N1 | 04-SEP-2010 05:12:34 | Straylight | 50.500 | 84 | Alp Phe | 2.3970 | 4500.0 | 101 | 44505 | No |
| 55 | GOM_NL__2PRFIN20100904_051828_000000472092_00363_44505_1548.N1 | 04-SEP-2010 05:18:28 | Straylight | 47.000 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 94 | 44505 | No |
| 56 | GOM_NL__2PRFIN20100904_052743_000000392092_00363_44505_1549.N1 | 04-SEP-2010 05:27:43 | Bright | 39.000 | 162 | 34Alp Aqr | 2.9440 | 5350.0 | 78 | 44505 | No |
| 57 | GOM_NL__2PRFIN20100904_053042_000000382092_00363_44505_1550.N1 | 04-SEP-2010 05:30:42 | Bright | 38.000 | 61 | 8Eps Peg | 2.1000 | 3900.0 | 76 | 44505 | No |
| 58 | GOM_NL__2PRFIN20100904_053318_000000452092_00363_44505_1551.N1 | 04-SEP-2010 05:33:18 | Bright | 45.000 | 90 | 54Alp Peg | 2.4870 | 11000. | 90 | 44505 | No |
| 59 | GOM_NL__2PRFIN20100904_053730_000000422092_00363_44505_1552.N1 | 04-SEP-2010 05:37:30 | Bright | 42.000 | 164 | 44Eta Peg | 2.9480 | 5400.0 | 84 | 44505 | No |
| 60 | GOM_NL__2PRFIN20100904_054805_000000452092_00363_44505_1553.N1 | 04-SEP-2010 05:48:05 | Bright | 44.500 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 89 | 44505 | No |
| 61 | GOM_NL__2PRFIN20100904_055010_000000462092_00363_44505_1554.N1 | 04-SEP-2010 05:50:10 | Bright | 45.500 | 76 | 27Gam Cas | 2.3000 | 30000. | 91 | 44505 | No |
| 62 | GOM_NL__2PRFIN20100904_060610_000000542092_00363_44505_1555.N1 | 04-SEP-2010 06:06:10 | Bright | 54.000 | 42 | 34Bet Aur | 1.9000 | 10200. | 108 | 44505 | No |
| 63 | GOM_NL__2PRFIN20100904_061026_000000382092_00363_44505_1556.N1 | 04-SEP-2010 06:10:26 | Bright | 38.000 | 24 | 66Alp Gem | 1.5800 | 10200. | 76 | 44505 | No |
| 64 | GOM_NL__2PRFIN20100904_061429_000000602092_00363_44505_1557.N1 | 04-SEP-2010 06:14:29 | Twi_and_stray | 59.500 | 151 | 13Mu Gem | 2.8900 | 3000.0 | 119 | 44505 | No |
| 65 | GOM_NL__2PRFIN20100904_061618_000000532092_00363_44505_1558.N1 | 04-SEP-2010 06:16:18 | Twi_and_stray | 52.500 | 44 | 24Gam Gem | 1.9280 | 11000. | 105 | 44505 | No |
| 66 | GOM_NL__2PRFIN20100904_061817_000000452092_00363_44505_1559.N1 | 04-SEP-2010 06:18:17 | Twilight | 44.500 | 8 | 10Alp CMi | 0.40000 | 6500.0 | 89 | 44505 | No |
| 67 | GOM_NL__2PRFIN20100904_062610_000000522092_00363_44505_1560.N1 | 04-SEP-2010 06:26:10 | Dark | 52.000 | 1 | 9Alp CMa | -1.4400 | 11000. | 104 | 44505 | No |
| 68 | GOM_NL__2PRFIN20100904_062851_000000462092_00363_44505_1561.N1 | 04-SEP-2010 06:28:51 | Dark | 46.000 | 23 | 21Eps CMa | 1.5020 | 26000. | 92 | 44505 | No |
| 69 | GOM_NL__2PRFIN20100904_063044_000000552092_00363_44505_1562.N1 | 04-SEP-2010 06:30:44 | Dark | 55.000 | 101 | 11Alp Lep | 2.5820 | 7000.0 | 110 | 44505 | No |
| 70 | GOM_NL__2PRFIN20100904_064555_000000412092_00364_44506_1556.N1 | 04-SEP-2010 06:45:55 | Dark | 40.500 | 143 | Alp Hyi | 2.8570 | 7200.0 | 81 | 44506 | No |
| 71 | GOM_NL__2PRFIN20100904_064714_000000472092_00364_44506_1557.N1 | 04-SEP-2010 06:47:14 | Dark | 47.000 | 9 | Alp Eri | 0.45300 | 24000. | 94 | 44506 | No |
| 72 | GOM_NL__2PRFIN20100904_065311_000000542092_00364_44506_1558.N1 | 04-SEP-2010 06:53:11 | Straylight | 53.500 | 84 | Alp Phe | 2.3970 | 4500.0 | 107 | 44506 | No |
| 73 | GOM_NL__2PRFIN20100904_065905_000000522092_00364_44506_1559.N1 | 04-SEP-2010 06:59:05 | Straylight | 52.000 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 104 | 44506 | No |
| 74 | GOM_NL__2PRFIN20100904_070819_000000392092_00364_44506_1560.N1 | 04-SEP-2010 07:08:19 | Bright | 39.000 | 162 | 34Alp Aqr | 2.9440 | 5350.0 | 78 | 44506 | No |
| 75 | GOM_NL__2PRFIN20100904_071118_000000382092_00364_44506_1561.N1 | 04-SEP-2010 07:11:18 | Bright | 38.000 | 61 | 8Eps Peg | 2.1000 | 3900.0 | 76 | 44506 | No |
| 76 | GOM_NL__2PRFIN20100904_071353_000000492092_00364_44506_1562.N1 | 04-SEP-2010 07:13:53 | Bright | 49.000 | 90 | 54Alp Peg | 2.4870 | 11000. | 98 | 44506 | No |
| 77 | GOM_NL__2PRFIN20100904_071806_000000432092_00364_44506_1563.N1 | 04-SEP-2010 07:18:06 | Bright | 42.500 | 164 | 44Eta Peg | 2.9480 | 5400.0 | 85 | 44506 | No |
| 78 | GOM_NL__2PRFIN20100904_072841_000000422092_00364_44506_1564.N1 | 04-SEP-2010 07:28:41 | Bright | 42.000 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 84 | 44506 | No |
| 79 | GOM_NL__2PRFIN20100904_073045_000000442092_00364_44506_1565.N1 | 04-SEP-2010 07:30:45 | Bright | 44.000 | 76 | 27Gam Cas | 2.3000 | 30000. | 88 | 44506 | No |
| 80 | GOM_NL__2PRFIN20100904_074646_000000492092_00364_44506_1566.N1 | 04-SEP-2010 07:46:46 | Bright | 48.500 | 42 | 34Bet Aur | 1.9000 | 10200. | 97 | 44506 | No |
| 81 | GOM_NL__2PRFIN20100904_075102_000000472092_00364_44506_1567.N1 | 04-SEP-2010 07:51:02 | Bright | 46.500 | 24 | 66Alp Gem | 1.5800 | 10200. | 93 | 44506 | No |
| 82 | GOM_NL__2PRFIN20100904_075346_000000532092_00364_44506_1568.N1 | 04-SEP-2010 07:53:46 | Bright | 53.000 | 170 | 27Eps Gem | 3.0000 | 9700.0 | 106 | 44506 | No |
| 83 | GOM_NL__2PRFIN20100904_075654_000000562092_00364_44506_1569.N1 | 04-SEP-2010 07:56:54 | Twi_and_stray | 56.000 | 44 | 24Gam Gem | 1.9280 | 11000. | 112 | 44506 | No |
| 84 | GOM_NL__2PRFIN20100904_075853_000000492092_00364_44506_1570.N1 | 04-SEP-2010 07:58:53 | Twilight | 49.000 | 8 | 10Alp CMi | 0.40000 | 6500.0 | 98 | 44506 | No |
| 85 | GOM_NL__2PRFIN20100904_080647_000000572092_00364_44506_1571.N1 | 04-SEP-2010 08:06:47 | Dark | 57.000 | 1 | 9Alp CMa | -1.4400 | 11000. | 114 | 44506 | No |
| 86 | GOM_NL__2PRFIN20100904_080927_000000462092_00364_44506_1572.N1 | 04-SEP-2010 08:09:27 | Dark | 46.000 | 23 | 21Eps CMa | 1.5020 | 26000. | 92 | 44506 | No |
| 87 | GOM_NL__2PRFIN20100904_081121_000000592092_00364_44506_1573.N1 | 04-SEP-2010 08:11:21 | Dark | 58.500 | 101 | 11Alp Lep | 2.5820 | 7000.0 | 117 | 44506 | No |
| 88 | GOM_NL__2PRFIN20100904_082631_000000412092_00365_44507_1587.N1 | 04-SEP-2010 08:26:31 | Dark | 40.500 | 143 | Alp Hyi | 2.8570 | 7200.0 | 81 | 44507 | No |
| 89 | GOM_NL__2PRFIN20100904_082751_000000522092_00365_44507_1588.N1 | 04-SEP-2010 08:27:51 | Dark | 51.500 | 9 | Alp Eri | 0.45300 | 24000. | 103 | 44507 | No |
| 90 | GOM_NL__2PRFIN20100904_083347_000000502092_00365_44507_1589.N1 | 04-SEP-2010 08:33:47 | Straylight | 49.500 | 84 | Alp Phe | 2.3970 | 4500.0 | 99 | 44507 | No |
| 91 | GOM_NL__2PRFIN20100904_083941_000000462092_00365_44507_1590.N1 | 04-SEP-2010 08:39:41 | Straylight | 46.000 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 92 | 44507 | No |
| 92 | GOM_NL__2PRFIN20100904_084855_000000392092_00365_44507_1591.N1 | 04-SEP-2010 08:48:55 | Bright | 39.000 | 162 | 34Alp Aqr | 2.9440 | 5350.0 | 78 | 44507 | No |
| 93 | GOM_NL__2PRFIN20100904_085154_000000402092_00365_44507_1592.N1 | 04-SEP-2010 08:51:54 | Bright | 40.000 | 61 | 8Eps Peg | 2.1000 | 3900.0 | 80 | 44507 | No |
| 94 | GOM_NL__2PRFIN20100904_085428_000000472092_00365_44507_1593.N1 | 04-SEP-2010 08:54:28 | Bright | 46.500 | 90 | 54Alp Peg | 2.4870 | 11000. | 93 | 44507 | No |
| 95 | GOM_NL__2PRFIN20100904_085841_000000422092_00365_44507_1594.N1 | 04-SEP-2010 08:58:41 | Bright | 41.500 | 164 | 44Eta Peg | 2.9480 | 5400.0 | 83 | 44507 | No |
| 96 | GOM_NL__2PRFIN20100904_090916_000000442092_00365_44507_1595.N1 | 04-SEP-2010 09:09:16 | Bright | 44.000 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 88 | 44507 | No |
| 97 | GOM_NL__2PRFIN20100904_091121_000000452092_00365_44507_1596.N1 | 04-SEP-2010 09:11:21 | Bright | 45.000 | 76 | 27Gam Cas | 2.3000 | 30000. | 90 | 44507 | No |
| 98 | GOM_NL__2PRFIN20100904_092722_000000502092_00365_44507_1597.N1 | 04-SEP-2010 09:27:22 | Bright | 50.000 | 42 | 34Bet Aur | 1.9000 | 10200. | 100 | 44507 | No |
| 99 | GOM_NL__2PRFIN20100904_093138_000000522092_00365_44507_1598.N1 | 04-SEP-2010 09:31:38 | Bright | 51.500 | 24 | 66Alp Gem | 1.5800 | 10200. | 103 | 44507 | No |
| 100 | GOM_NL__2PRFIN20100904_093422_000000532092_00365_44507_1599.N1 | 04-SEP-2010 09:34:22 | Bright | 53.000 | 170 | 27Eps Gem | 3.0000 | 9700.0 | 106 | 44507 | No |
| 101 | GOM_NL__2PRFIN20100904_093731_000000522092_00365_44507_1600.N1 | 04-SEP-2010 09:37:31 | Twi_and_stray | 51.500 | 44 | 24Gam Gem | 1.9280 | 11000. | 103 | 44507 | No |

| | | | | | | | | | | | |
|-----|--|----------------------|---------------|--------|-----|-----------|---------|--------|-----|-------|----|
| 102 | GOM_NL__2PRFIN20100904_093929_000000552092_00365_44507_1601.N1 | 04-SEP-2010 09:39:29 | Twilight | 54.500 | 8 | 10Alp CMi | 0.40000 | 6500.0 | 109 | 44507 | No |
| 103 | GOM_NL__2PRFIN20100904_094723_000000522092_00365_44507_1602.N1 | 04-SEP-2010 09:47:23 | Dark | 52.000 | 1 | 9Alp CMA | -1.4400 | 11000. | 104 | 44507 | No |
| 104 | GOM_NL__2PRFIN20100904_095003_000000462092_00365_44507_1603.N1 | 04-SEP-2010 09:50:03 | Dark | 45.500 | 23 | 21Eps CMA | 1.5020 | 26000. | 91 | 44507 | No |
| 105 | GOM_NL__2PRFIN20100904_095158_000000572092_00365_44507_1604.N1 | 04-SEP-2010 09:51:58 | Dark | 57.000 | 101 | 11Alp Lep | 2.5820 | 7000.0 | 114 | 44507 | No |
| 106 | GOM_NL__2PRFIN20100904_100708_000000402092_00366_44508_1620.N1 | 04-SEP-2010 10:07:08 | Dark | 40.000 | 143 | Alp Hyi | 2.8570 | 7200.0 | 80 | 44508 | No |
| 107 | GOM_NL__2PRFIN20100904_100827_000000522092_00366_44508_1621.N1 | 04-SEP-2010 10:08:27 | Dark | 51.500 | 9 | Alp Eri | 0.45300 | 24000. | 103 | 44508 | No |
| 108 | GOM_NL__2PRFIN20100904_101423_000000462092_00366_44508_1622.N1 | 04-SEP-2010 10:14:23 | Straylight | 46.000 | 84 | Alp Phe | 2.3970 | 4500.0 | 92 | 44508 | No |
| 109 | GOM_NL__2PRFIN20100904_102017_000000482092_00366_44508_1623.N1 | 04-SEP-2010 10:20:17 | Straylight | 48.000 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 96 | 44508 | No |
| 110 | GOM_NL__2PRFIN20100904_102931_000000412092_00366_44508_1624.N1 | 04-SEP-2010 10:29:31 | Bright | 40.500 | 162 | 34Alp Aqr | 2.9440 | 5350.0 | 81 | 44508 | No |
| 111 | GOM_NL__2PRFIN20100904_103230_000000382092_00366_44508_1625.N1 | 04-SEP-2010 10:32:30 | Bright | 38.000 | 61 | 8Eps Peg | 2.1000 | 3900.0 | 76 | 44508 | No |
| 112 | GOM_NL__2PRFIN20100904_103504_000000452092_00366_44508_1626.N1 | 04-SEP-2010 10:35:04 | Bright | 44.500 | 90 | 54Alp Peg | 2.4870 | 11000. | 89 | 44508 | No |
| 113 | GOM_NL__2PRFIN20100904_103917_000000432092_00366_44508_1627.N1 | 04-SEP-2010 10:39:17 | Bright | 42.500 | 164 | 44Eta Peg | 2.9480 | 5400.0 | 85 | 44508 | No |
| 114 | GOM_NL__2PRFIN20100904_104951_000000432092_00366_44508_1628.N1 | 04-SEP-2010 10:49:51 | Bright | 43.000 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 86 | 44508 | No |
| 115 | GOM_NL__2PRFIN20100904_105156_000000422092_00366_44508_1629.N1 | 04-SEP-2010 10:51:56 | Bright | 42.000 | 76 | 27Gam Cas | 2.3000 | 30000. | 84 | 44508 | No |
| 116 | GOM_NL__2PRFIN20100904_110757_000000492092_00366_44508_1630.N1 | 04-SEP-2010 11:07:57 | Bright | 49.000 | 42 | 34Bet Aur | 1.9000 | 10200. | 98 | 44508 | No |
| 117 | GOM_NL__2PRFIN20100904_111054_000000522092_00366_44508_1631.N1 | 04-SEP-2010 11:10:54 | Bright | 51.500 | 107 | 37The Aur | 2.6490 | 11000. | 103 | 44508 | No |
| 118 | GOM_NL__2PRFIN20100904_111318_000000412092_00366_44508_1632.N1 | 04-SEP-2010 11:13:18 | Bright | 40.500 | 17 | 78Bet Gem | 1.1610 | 4500.0 | 81 | 44508 | No |
| 119 | GOM_NL__2PRFIN20100904_111618_000000582092_00366_44508_1633.N1 | 04-SEP-2010 11:16:18 | Twi_and_stray | 58.000 | 151 | 13Mu Gem | 2.8900 | 3000.0 | 116 | 44508 | No |
| 120 | GOM_NL__2PRFIN20100904_111807_000000542092_00366_44508_1634.N1 | 04-SEP-2010 11:18:07 | Twi_and_stray | 54.000 | 44 | 24Gam Gem | 1.9280 | 11000. | 108 | 44508 | No |
| 121 | GOM_NL__2PRFIN20100904_112005_000000512092_00366_44508_1635.N1 | 04-SEP-2010 11:20:05 | Twilight | 50.500 | 8 | 10Alp CMi | 0.40000 | 6500.0 | 101 | 44508 | No |
| 122 | GOM_NL__2PRFIN20100904_112800_000000532092_00366_44508_1636.N1 | 04-SEP-2010 11:28:00 | Dark | 53.000 | 1 | 9Alp CMA | -1.4400 | 11000. | 106 | 44508 | No |
| 123 | GOM_NL__2PRFIN20100904_113040_000000452092_00366_44508_1637.N1 | 04-SEP-2010 11:30:40 | Dark | 45.000 | 23 | 21Eps CMA | 1.5020 | 26000. | 90 | 44508 | No |
| 124 | GOM_NL__2PRFIN20100904_113235_000000602092_00366_44508_1638.N1 | 04-SEP-2010 11:32:35 | Dark | 60.000 | 101 | 11Alp Lep | 2.5820 | 7000.0 | 120 | 44508 | No |
| 125 | GOM_NL__2PRFIN20100904_114744_000000422092_00367_44509_1654.N1 | 04-SEP-2010 11:47:44 | Dark | 42.000 | 143 | Alp Hyi | 2.8570 | 7200.0 | 84 | 44509 | No |
| 126 | GOM_NL__2PRFIN20100904_114903_000000472092_00367_44509_1655.N1 | 04-SEP-2010 11:49:03 | Dark | 46.500 | 9 | Alp Eri | 0.45300 | 24000. | 93 | 44509 | No |
| 127 | GOM_NL__2PRFIN20100904_115459_000000532092_00367_44509_1656.N1 | 04-SEP-2010 11:54:59 | Straylight | 53.000 | 84 | Alp Phe | 2.3970 | 4500.0 | 106 | 44509 | No |
| 128 | GOM_NL__2PRFIN20100904_120053_000000452092_00367_44509_1657.N1 | 04-SEP-2010 12:00:53 | Straylight | 45.000 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 90 | 44509 | No |
| 129 | GOM_NL__2PRFIN20100904_121007_000000402092_00367_44509_1658.N1 | 04-SEP-2010 12:10:07 | Bright | 39.500 | 162 | 34Alp Aqr | 2.9440 | 5350.0 | 79 | 44509 | No |
| 130 | GOM_NL__2PRFIN20100904_121306_000000372092_00367_44509_1659.N1 | 04-SEP-2010 12:13:06 | Bright | 37.000 | 61 | 8Eps Peg | 2.1000 | 3900.0 | 74 | 44509 | No |
| 131 | GOM_NL__2PRFIN20100904_121539_000000472092_00367_44509_1660.N1 | 04-SEP-2010 12:15:39 | Bright | 47.000 | 90 | 54Alp Peg | 2.4870 | 11000. | 94 | 44509 | No |
| 132 | GOM_NL__2PRFIN20100904_121952_000000442092_00367_44509_1661.N1 | 04-SEP-2010 12:19:52 | Bright | 43.500 | 164 | 44Eta Peg | 2.9480 | 5400.0 | 87 | 44509 | No |
| 133 | GOM_NL__2PRFIN20100904_123026_000000462092_00367_44509_1662.N1 | 04-SEP-2010 12:30:26 | Bright | 46.000 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 92 | 44509 | No |
| 134 | GOM_NL__2PRFIN20100904_123231_000000452092_00367_44509_1663.N1 | 04-SEP-2010 12:32:31 | Bright | 44.500 | 76 | 27Gam Cas | 2.3000 | 30000. | 89 | 44509 | No |
| 135 | GOM_NL__2PRFIN20100904_124833_000000502092_00367_44509_1664.N1 | 04-SEP-2010 12:48:33 | Bright | 49.500 | 42 | 34Bet Aur | 1.9000 | 10200. | 99 | 44509 | No |
| 136 | GOM_NL__2PRFIN20100904_125130_000000722092_00367_44509_1665.N1 | 04-SEP-2010 12:51:30 | Bright | 72.000 | 107 | 37The Aur | 2.6490 | 11000. | 144 | 44509 | No |
| 137 | GOM_NL__2PRFIN20100904_125354_000000412092_00367_44509_1666.N1 | 04-SEP-2010 12:53:54 | Bright | 40.500 | 17 | 78Bet Gem | 1.1610 | 4500.0 | 81 | 44509 | No |
| 138 | GOM_NL__2PRFIN20100904_125654_000000612092_00367_44509_1667.N1 | 04-SEP-2010 12:56:54 | Twi_and_stray | 61.000 | 151 | 13Mu Gem | 2.8900 | 3000.0 | 122 | 44509 | No |
| 139 | GOM_NL__2PRFIN20100904_125843_000000542092_00367_44509_1668.N1 | 04-SEP-2010 12:58:43 | Twi_and_stray | 53.500 | 44 | 24Gam Gem | 1.9280 | 11000. | 107 | 44509 | No |
| 140 | GOM_NL__2PRFIN20100904_130042_000000462092_00367_44509_1669.N1 | 04-SEP-2010 13:00:42 | Twilight | 45.500 | 8 | 10Alp CMi | 0.40000 | 6500.0 | 91 | 44509 | No |
| 141 | GOM_NL__2PRFIN20100904_130836_000000492092_00367_44509_1670.N1 | 04-SEP-2010 13:08:36 | Dark | 49.000 | 1 | 9Alp CMA | -1.4400 | 11000. | 98 | 44509 | No |
| 142 | GOM_NL__2PRFIN20100904_131116_000000442092_00367_44509_1671.N1 | 04-SEP-2010 13:11:16 | Dark | 43.500 | 23 | 21Eps CMA | 1.5020 | 26000. | 87 | 44509 | No |
| 143 | GOM_NL__2PRFIN20100904_131313_000000582092_00367_44509_1672.N1 | 04-SEP-2010 13:13:13 | Dark | 58.000 | 101 | 11Alp Lep | 2.5820 | 7000.0 | 116 | 44509 | No |
| 144 | GOM_NL__2PRFIN20100904_132821_000000422092_00368_44510_1683.N1 | 04-SEP-2010 13:28:21 | Dark | 41.500 | 143 | Alp Hyi | 2.8570 | 7200.0 | 83 | 44510 | No |
| 145 | GOM_NL__2PRFIN20100904_132940_000000442092_00368_44510_1684.N1 | 04-SEP-2010 13:29:40 | Dark | 44.000 | 9 | Alp Eri | 0.45300 | 24000. | 88 | 44510 | No |
| 146 | GOM_NL__2PRFIN20100904_133536_000000472092_00368_44510_1685.N1 | 04-SEP-2010 13:35:36 | Straylight | 47.000 | 84 | Alp Phe | 2.3970 | 4500.0 | 94 | 44510 | No |
| 147 | GOM_NL__2PRFIN20100904_134129_000000472092_00368_44510_1686.N1 | 04-SEP-2010 13:41:29 | Straylight | 46.500 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 93 | 44510 | No |
| 148 | GOM_NL__2PRFIN20100904_135043_000000392092_00368_44510_1687.N1 | 04-SEP-2010 13:50:43 | Bright | 39.000 | 162 | 34Alp Aqr | 2.9440 | 5350.0 | 78 | 44510 | No |
| 149 | GOM_NL__2PRFIN20100904_135342_000000392092_00368_44510_1688.N1 | 04-SEP-2010 13:53:42 | Bright | 39.000 | 61 | 8Eps Peg | 2.1000 | 3900.0 | 78 | 44510 | No |
| 150 | GOM_NL__2PRFIN20100904_135615_000000472092_00368_44510_1689.N1 | 04-SEP-2010 13:56:15 | Bright | 47.000 | 90 | 54Alp Peg | 2.4870 | 11000. | 94 | 44510 | No |
| 151 | GOM_NL__2PRFIN20100904_140028_000000402092_00368_44510_1690.N1 | 04-SEP-2010 14:00:28 | Bright | 39.500 | 164 | 44Eta Peg | 2.9480 | 5400.0 | 79 | 44510 | No |
| 152 | GOM_NL__2PRFIN20100904_141102_000000452092_00368_44510_1691.N1 | 04-SEP-2010 14:11:02 | Bright | 44.500 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 89 | 44510 | No |
| 153 | GOM_NL__2PRFIN20100904_141306_000000422092_00368_44510_1692.N1 | 04-SEP-2010 14:13:06 | Bright | 41.500 | 76 | 27Gam Cas | 2.3000 | 30000. | 83 | 44510 | No |
| 154 | GOM_NL__2PRFIN20100904_142909_000000492092_00368_44510_1693.N1 | 04-SEP-2010 14:29:09 | Bright | 48.500 | 42 | 34Bet Aur | 1.9000 | 10200. | 97 | 44510 | No |
| 155 | GOM_NL__2PRFIN20100904_143206_000000522092_00368_44510_1694.N1 | 04-SEP-2010 14:32:06 | Bright | 51.500 | 107 | 37The Aur | 2.6490 | 11000. | 103 | 44510 | No |
| 156 | GOM_NL__2PRFIN20100904_143430_000000402092_00368_44510_1695.N1 | 04-SEP-2010 14:34:30 | Bright | 40.000 | 17 | 78Bet Gem | 1.1610 | 4500.0 | 80 | 44510 | No |
| 157 | GOM_NL__2PRFIN20100904_143730_000000592092_00368_44510_1696.N1 | 04-SEP-2010 14:37:30 | Twi_and_stray | 58.500 | 151 | 13Mu Gem | 2.8900 | 3000.0 | 117 | 44510 | No |
| 158 | GOM_NL__2PRFIN20100904_143919_000000522092_00368_44510_1697.N1 | 04-SEP-2010 14:39:19 | Twi_and_stray | 51.500 | 44 | 24Gam Gem | 1.9280 | 11000. | 103 | 44510 | No |
| 159 | GOM_NL__2PRFIN20100904_144118_000000482092_00368_44510_1698.N1 | 04-SEP-2010 14:41:18 | Twilight | 47.500 | 8 | 10Alp CMi | 0.40000 | 6500.0 | 95 | 44510 | No |
| 160 | GOM_NL__2PRFIN20100904_144913_000000542092_00368_44510_1699.N1 | 04-SEP-2010 14:49:13 | Dark | 54.000 | 1 | 9Alp CMA | -1.4400 | 11000. | 108 | 44510 | No |

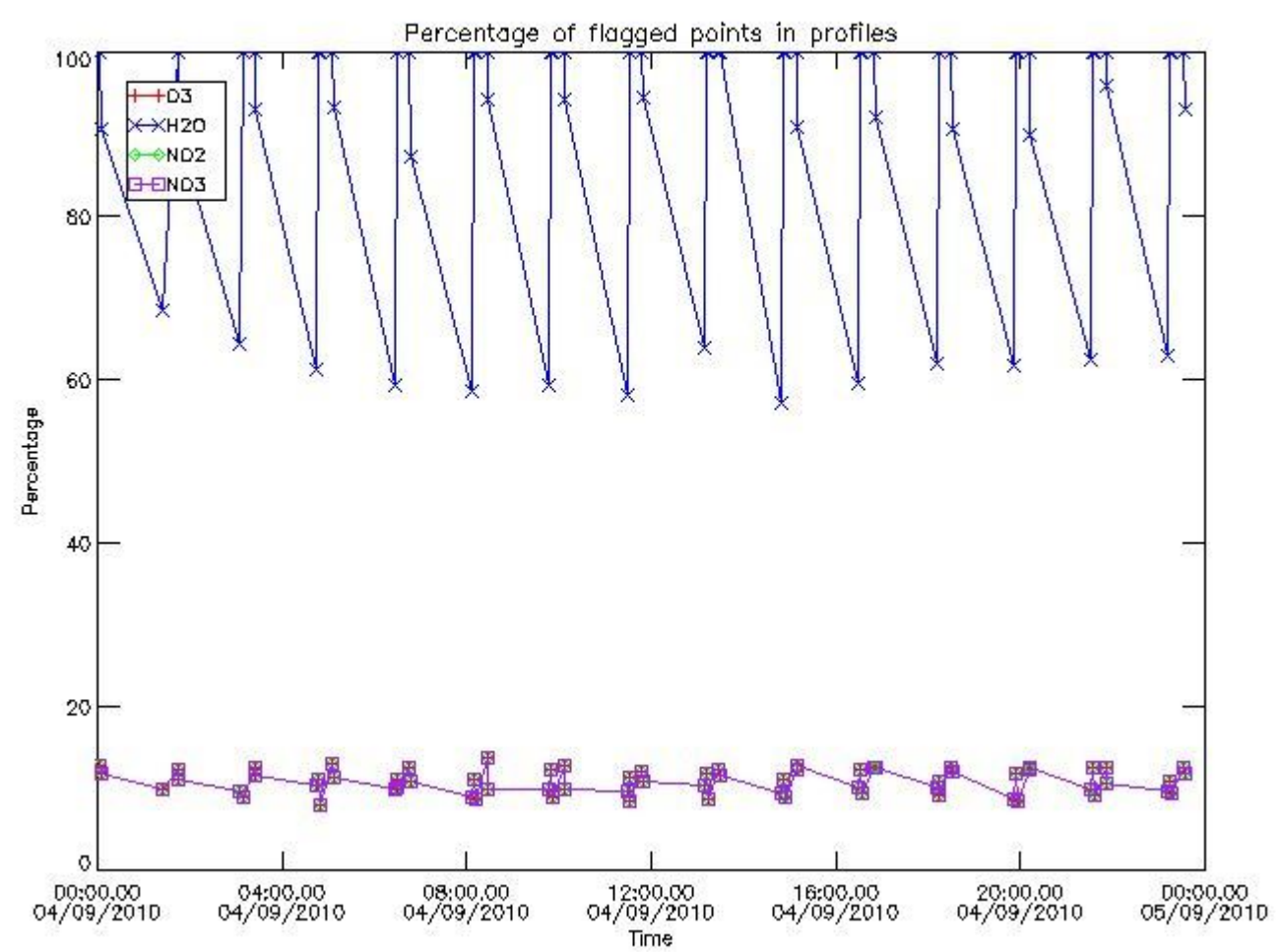
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|-----|--|----------------------|------------|--------|-----|-----------|---------|--------|-----|-------|-----|
| 161 | GOM_NL__2PRFIN20100904_145153_000000462092_00368_44510_1700.N1 | 04-SEP-2010 14:51:53 | Dark | 45.500 | 23 | 21Eps CMa | 1.5020 | 26000. | 91 | 44510 | No |
| 162 | GOM_NL__2PRFIN20100904_145350_000000582092_00368_44510_1701.N1 | 04-SEP-2010 14:53:50 | Dark | 57.500 | 101 | 11Alp Lep | 2.5820 | 7000.0 | 115 | 44510 | No |
| 163 | GOM_NL__2PRFIN20100904_150857_000000422092_00369_44511_1717.N1 | 04-SEP-2010 15:08:57 | Dark | 41.500 | 143 | Alp Hyi | 2.8570 | 7200.0 | 83 | 44511 | No |
| 164 | GOM_NL__2PRFIN20100904_151016_000000442092_00369_44511_1718.N1 | 04-SEP-2010 15:10:16 | Dark | 44.000 | 9 | Alp Eri | 0.45300 | 24000. | 88 | 44511 | No |
| 165 | GOM_NL__2PRFIN20100904_151612_000000472092_00369_44511_1719.N1 | 04-SEP-2010 15:16:12 | Straylight | 47.000 | 84 | Alp Phe | 2.3970 | 4500.0 | 94 | 44511 | No |
| 166 | GOM_NL__2PRFIN20100904_152206_000000492092_00369_44511_1720.N1 | 04-SEP-2010 15:22:06 | Straylight | 48.500 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 97 | 44511 | No |
| 167 | GOM_NL__2PRFIN20100904_153118_000000402092_00369_44511_1721.N1 | 04-SEP-2010 15:31:18 | Bright | 40.000 | 162 | 34Alp Aqr | 2.9440 | 5350.0 | 80 | 44511 | No |
| 168 | GOM_NL__2PRFIN20100904_153425_000000312092_00369_44511_1722.N1 | 04-SEP-2010 15:34:25 | Dark | 30.500 | 61 | 8Eps Peg | 2.1000 | 3900.0 | 61 | 44511 | Yes |
| 169 | GOM_NL__2PRFIN20100904_153650_000000472092_00369_44511_1723.N1 | 04-SEP-2010 15:36:50 | Bright | 46.500 | 90 | 54Alp Peg | 2.4870 | 11000. | 93 | 44511 | No |
| 170 | GOM_NL__2PRFIN20100904_154103_000000442092_00369_44511_1724.N1 | 04-SEP-2010 15:41:03 | Bright | 43.500 | 164 | 44Eta Peg | 2.9480 | 5400.0 | 87 | 44511 | No |
| 171 | GOM_NL__2PRFIN20100904_155137_000000402092_00369_44511_1725.N1 | 04-SEP-2010 15:51:37 | Bright | 39.500 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 79 | 44511 | No |
| 172 | GOM_NL__2PRFIN20100904_155341_000000452092_00369_44511_1726.N1 | 04-SEP-2010 15:53:41 | Bright | 44.500 | 76 | 27Gam Cas | 2.3000 | 30000. | 89 | 44511 | No |
| 173 | GOM_NL__2PRFIN20100904_160945_000000492092_00369_44511_1727.N1 | 04-SEP-2010 16:09:45 | Bright | 48.500 | 42 | 34Bet Aur | 1.9000 | 10200. | 97 | 44511 | No |
| 174 | GOM_NL__2PRFIN20100904_161242_000000492092_00369_44511_1728.N1 | 04-SEP-2010 16:12:42 | Bright | 48.500 | 107 | 37The Aur | 2.6490 | 11000. | 97 | 44511 | No |
| 175 | GOM_NL__2PRFIN20100904_161506_000000382092_00369_44511_1729.N1 | 04-SEP-2010 16:15:06 | Bright | 38.000 | 17 | 78Bet Gem | 1.1610 | 4500.0 | 76 | 44511 | No |
| 176 | GOM_NL__2PRFIN20100904_161807_000000652092_00369_44511_1730.N1 | 04-SEP-2010 16:18:07 | Twilight | 65.000 | 151 | 13Mu Gem | 2.8900 | 3000.0 | 130 | 44511 | No |
| 177 | GOM_NL__2PRFIN20100904_161956_000000562092_00369_44511_1731.N1 | 04-SEP-2010 16:19:56 | Twilight | 55.500 | 44 | 24Gam Gem | 1.9280 | 11000. | 111 | 44511 | No |
| 178 | GOM_NL__2PRFIN20100904_162154_000000542092_00369_44511_1732.N1 | 04-SEP-2010 16:21:54 | Twilight | 53.500 | 8 | 10Alp CMi | 0.40000 | 6500.0 | 107 | 44511 | No |
| 179 | GOM_NL__2PRFIN20100904_162950_000000502092_00369_44511_1733.N1 | 04-SEP-2010 16:29:50 | Dark | 50.000 | 1 | 9Alp CMa | -1.4400 | 11000. | 100 | 44511 | No |
| 180 | GOM_NL__2PRFIN20100904_163229_000000462092_00369_44511_1734.N1 | 04-SEP-2010 16:32:29 | Dark | 45.500 | 23 | 21Eps CMa | 1.5020 | 26000. | 91 | 44511 | No |
| 181 | GOM_NL__2PRFIN20100904_163427_000000592092_00369_44511_1735.N1 | 04-SEP-2010 16:34:27 | Dark | 59.000 | 101 | 11Alp Lep | 2.5820 | 7000.0 | 118 | 44511 | No |
| 182 | GOM_NL__2PRFIN20100904_164934_000000412092_00370_44512_1770.N1 | 04-SEP-2010 16:49:34 | Dark | 40.500 | 143 | Alp Hyi | 2.8570 | 7200.0 | 81 | 44512 | No |
| 183 | GOM_NL__2PRFIN20100904_165053_000000452092_00370_44512_1771.N1 | 04-SEP-2010 16:50:53 | Dark | 45.000 | 9 | Alp Eri | 0.45300 | 24000. | 90 | 44512 | No |
| 184 | GOM_NL__2PRFIN20100904_165649_000000512092_00370_44512_1772.N1 | 04-SEP-2010 16:56:49 | Straylight | 50.500 | 84 | Alp Phe | 2.3970 | 4500.0 | 101 | 44512 | No |
| 185 | GOM_NL__2PRFIN20100904_170242_000000472092_00370_44512_1773.N1 | 04-SEP-2010 17:02:42 | Straylight | 47.000 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 94 | 44512 | No |
| 186 | GOM_NL__2PRFIN20100904_171154_000000402092_00370_44512_1774.N1 | 04-SEP-2010 17:11:54 | Bright | 39.500 | 162 | 34Alp Aqr | 2.9440 | 5350.0 | 79 | 44512 | No |
| 187 | GOM_NL__2PRFIN20100904_171726_000000452092_00370_44512_1775.N1 | 04-SEP-2010 17:17:26 | Bright | 45.000 | 90 | 54Alp Peg | 2.4870 | 11000. | 90 | 44512 | No |
| 188 | GOM_NL__2PRFIN20100904_172139_000000422092_00370_44512_1776.N1 | 04-SEP-2010 17:21:39 | Bright | 42.000 | 164 | 44Eta Peg | 2.9480 | 5400.0 | 84 | 44512 | No |
| 189 | GOM_NL__2PRFIN20100904_173212_000000452092_00370_44512_1777.N1 | 04-SEP-2010 17:32:12 | Bright | 45.000 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 90 | 44512 | No |
| 190 | GOM_NL__2PRFIN20100904_173417_000000452092_00370_44512_1778.N1 | 04-SEP-2010 17:34:17 | Bright | 45.000 | 76 | 27Gam Cas | 2.3000 | 30000. | 90 | 44512 | No |
| 191 | GOM_NL__2PRFIN20100904_175021_000000462092_00370_44512_1779.N1 | 04-SEP-2010 17:50:21 | Bright | 46.000 | 42 | 34Bet Aur | 1.9000 | 10200. | 92 | 44512 | No |
| 192 | GOM_NL__2PRFIN20100904_175318_000000492092_00370_44512_1780.N1 | 04-SEP-2010 17:53:18 | Bright | 49.000 | 107 | 37The Aur | 2.6490 | 11000. | 98 | 44512 | No |
| 193 | GOM_NL__2PRFIN20100904_175542_000000552092_00370_44512_1781.N1 | 04-SEP-2010 17:55:42 | Bright | 55.000 | 17 | 78Bet Gem | 1.1610 | 4500.0 | 110 | 44512 | No |
| 194 | GOM_NL__2PRFIN20100904_175843_000000692092_00370_44512_1782.N1 | 04-SEP-2010 17:58:43 | Twilight | 69.000 | 151 | 13Mu Gem | 2.8900 | 3000.0 | 138 | 44512 | No |
| 195 | GOM_NL__2PRFIN20100904_180032_000000552092_00370_44512_1783.N1 | 04-SEP-2010 18:00:32 | Twilight | 54.500 | 44 | 24Gam Gem | 1.9280 | 11000. | 109 | 44512 | No |
| 196 | GOM_NL__2PRFIN20100904_180230_000000552092_00370_44512_1784.N1 | 04-SEP-2010 18:02:30 | Twilight | 55.000 | 8 | 10Alp CMi | 0.40000 | 6500.0 | 110 | 44512 | No |
| 197 | GOM_NL__2PRFIN20100904_181026_000000562092_00370_44512_1785.N1 | 04-SEP-2010 18:10:26 | Dark | 55.500 | 1 | 9Alp CMa | -1.4400 | 11000. | 111 | 44512 | No |
| 198 | GOM_NL__2PRFIN20100904_181306_000000472092_00370_44512_1786.N1 | 04-SEP-2010 18:13:06 | Dark | 47.000 | 23 | 21Eps CMa | 1.5020 | 26000. | 94 | 44512 | No |
| 199 | GOM_NL__2PRFIN20100904_181505_000000562092_00370_44512_1787.N1 | 04-SEP-2010 18:15:05 | Dark | 56.000 | 101 | 11Alp Lep | 2.5820 | 7000.0 | 112 | 44512 | No |
| 200 | GOM_NL__2PRFIN20100904_183010_000000412092_00371_44513_1799.N1 | 04-SEP-2010 18:30:10 | Dark | 41.000 | 143 | Alp Hyi | 2.8570 | 7200.0 | 82 | 44513 | No |
| 201 | GOM_NL__2PRFIN20100904_183130_000000432092_00371_44513_1800.N1 | 04-SEP-2010 18:31:30 | Dark | 42.500 | 9 | Alp Eri | 0.45300 | 24000. | 85 | 44513 | No |
| 202 | GOM_NL__2PRFIN20100904_183725_000000512092_00371_44513_1801.N1 | 04-SEP-2010 18:37:25 | Straylight | 51.000 | 84 | Alp Phe | 2.3970 | 4500.0 | 102 | 44513 | No |
| 203 | GOM_NL__2PRFIN20100904_184318_000000492092_00371_44513_1802.N1 | 04-SEP-2010 18:43:18 | Straylight | 48.500 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 97 | 44513 | No |
| 204 | GOM_NL__2PRFIN20100904_185231_000000402092_00371_44513_1803.N1 | 04-SEP-2010 18:52:31 | Bright | 40.000 | 162 | 34Alp Aqr | 2.9440 | 5350.0 | 80 | 44513 | No |
| 205 | GOM_NL__2PRFIN20100904_185801_000000462092_00371_44513_1804.N1 | 04-SEP-2010 18:58:01 | Bright | 45.500 | 90 | 54Alp Peg | 2.4870 | 11000. | 91 | 44513 | No |
| 206 | GOM_NL__2PRFIN20100904_190215_000000402092_00371_44513_1805.N1 | 04-SEP-2010 19:02:15 | Bright | 39.500 | 164 | 44Eta Peg | 2.9480 | 5400.0 | 79 | 44513 | No |
| 207 | GOM_NL__2PRFIN20100904_191248_000000442092_00371_44513_1806.N1 | 04-SEP-2010 19:12:48 | Bright | 43.500 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 87 | 44513 | No |
| 208 | GOM_NL__2PRFIN20100904_191452_000000452092_00371_44513_1807.N1 | 04-SEP-2010 19:14:52 | Bright | 45.000 | 76 | 27Gam Cas | 2.3000 | 30000. | 90 | 44513 | No |
| 209 | GOM_NL__2PRFIN20100904_193056_000000532092_00371_44513_1808.N1 | 04-SEP-2010 19:30:56 | Bright | 52.500 | 42 | 34Bet Aur | 1.9000 | 10200. | 105 | 44513 | No |
| 210 | GOM_NL__2PRFIN20100904_193354_000000512092_00371_44513_1809.N1 | 04-SEP-2010 19:33:54 | Bright | 51.000 | 107 | 37The Aur | 2.6490 | 11000. | 102 | 44513 | No |
| 211 | GOM_NL__2PRFIN20100904_193618_000000412092_00371_44513_1810.N1 | 04-SEP-2010 19:36:18 | Bright | 40.500 | 17 | 78Bet Gem | 1.1610 | 4500.0 | 81 | 44513 | No |
| 212 | GOM_NL__2PRFIN20100904_193920_000000632092_00371_44513_1811.N1 | 04-SEP-2010 19:39:20 | Twilight | 63.000 | 151 | 13Mu Gem | 2.8900 | 3000.0 | 126 | 44513 | No |
| 213 | GOM_NL__2PRFIN20100904_194109_000000542092_00371_44513_1812.N1 | 04-SEP-2010 19:41:09 | Twilight | 54.000 | 44 | 24Gam Gem | 1.9280 | 11000. | 108 | 44513 | No |
| 214 | GOM_NL__2PRFIN20100904_194307_000000472092_00371_44513_1813.N1 | 04-SEP-2010 19:43:07 | Twilight | 47.000 | 8 | 10Alp CMi | 0.40000 | 6500.0 | 94 | 44513 | No |
| 215 | GOM_NL__2PRFIN20100904_195103_000000582092_00371_44513_1814.N1 | 04-SEP-2010 19:51:03 | Dark | 58.000 | 1 | 9Alp CMa | -1.4400 | 11000. | 116 | 44513 | No |
| 216 | GOM_NL__2PRFIN20100904_195343_000000442092_00371_44513_1815.N1 | 04-SEP-2010 19:53:43 | Dark | 43.500 | 23 | 21Eps CMa | 1.5020 | 26000. | 87 | 44513 | No |
| 217 | GOM_NL__2PRFIN20100904_195542_000000602092_00371_44513_1816.N1 | 04-SEP-2010 19:55:42 | Dark | 60.000 | 101 | 11Alp Lep | 2.5820 | 7000.0 | 120 | 44513 | No |
| 218 | GOM_NL__2PRFIN20100904_201047_000000422092_00372_44514_1826.N1 | 04-SEP-2010 20:10:47 | Dark | 41.500 | 143 | Alp Hyi | 2.8570 | 7200.0 | 83 | 44514 | No |
| 219 | GOM_NL__2PRFIN20100904_201206_000000452092_00372_44514_1827.N1 | 04-SEP-2010 20:12:06 | Dark | 45.000 | 9 | Alp Eri | 0.45300 | 24000. | 90 | 44514 | No |

| | | | | | | | | | | | |
|-----|--|----------------------|---------------|--------|-----|-----------|---------|--------|-----|-------|----|
| 220 | GOM_NL__2PRFIN20100904_201802_000000482092_00372_44514_1828.N1 | 04-SEP-2010 20:18:02 | Straylight | 47.500 | 84 | Alp Phe | 2.3970 | 4500.0 | 95 | 44514 | No |
| 221 | GOM_NL__2PRFIN20100904_202354_000000482092_00372_44514_1829.N1 | 04-SEP-2010 20:23:54 | Straylight | 48.000 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 96 | 44514 | No |
| 222 | GOM_NL__2PRFIN20100904_203306_000000392092_00372_44514_1830.N1 | 04-SEP-2010 20:33:06 | Bright | 38.500 | 162 | 34Alp Aqr | 2.9440 | 5350.0 | 77 | 44514 | No |
| 223 | GOM_NL__2PRFIN20100904_203837_000000462092_00372_44514_1831.N1 | 04-SEP-2010 20:38:37 | Bright | 45.500 | 90 | 54Alp Peg | 2.4870 | 11000. | 91 | 44514 | No |
| 224 | GOM_NL__2PRFIN20100904_204250_000000432092_00372_44514_1832.N1 | 04-SEP-2010 20:42:50 | Bright | 43.000 | 164 | 44Eta Peg | 2.9480 | 5400.0 | 86 | 44514 | No |
| 225 | GOM_NL__2PRFIN20100904_205323_000000452092_00372_44514_1833.N1 | 04-SEP-2010 20:53:23 | Bright | 45.000 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 90 | 44514 | No |
| 226 | GOM_NL__2PRFIN20100904_205527_000000472092_00372_44514_1834.N1 | 04-SEP-2010 20:55:27 | Bright | 46.500 | 76 | 27Gam Cas | 2.3000 | 30000. | 93 | 44514 | No |
| 227 | GOM_NL__2PRFIN20100904_211430_000000532092_00372_44514_1835.N1 | 04-SEP-2010 21:14:30 | Bright | 52.500 | 107 | 37The Aur | 2.6490 | 11000. | 105 | 44514 | No |
| 228 | GOM_NL__2PRFIN20100904_211654_000000402092_00372_44514_1836.N1 | 04-SEP-2010 21:16:54 | Bright | 39.500 | 17 | 78Bet Gem | 1.1610 | 4500.0 | 79 | 44514 | No |
| 229 | GOM_NL__2PRFIN20100904_211956_000000662092_00372_44514_1837.N1 | 04-SEP-2010 21:19:56 | Twi_and_stray | 65.500 | 151 | 13Mu Gem | 2.8900 | 3000.0 | 131 | 44514 | No |
| 230 | GOM_NL__2PRFIN20100904_212145_000000552092_00372_44514_1838.N1 | 04-SEP-2010 21:21:45 | Twi_and_stray | 54.500 | 44 | 24Gam Gem | 1.9280 | 11000. | 109 | 44514 | No |
| 231 | GOM_NL__2PRFIN20100904_212343_000000442092_00372_44514_1839.N1 | 04-SEP-2010 21:23:43 | Twilight | 44.000 | 8 | 10Alp CMi | 0.40000 | 6500.0 | 88 | 44514 | No |
| 232 | GOM_NL__2PRFIN20100904_213139_000000512092_00372_44514_1840.N1 | 04-SEP-2010 21:31:39 | Dark | 51.000 | 1 | 9Alp CMa | -1.4400 | 11000. | 102 | 44514 | No |
| 233 | GOM_NL__2PRFIN20100904_213419_000000452092_00372_44514_1841.N1 | 04-SEP-2010 21:34:19 | Dark | 45.000 | 23 | 21Eps CMa | 1.5020 | 26000. | 90 | 44514 | No |
| 234 | GOM_NL__2PRFIN20100904_213620_000000552092_00372_44514_1842.N1 | 04-SEP-2010 21:36:20 | Dark | 55.000 | 101 | 11Alp Lep | 2.5820 | 7000.0 | 110 | 44514 | No |
| 235 | GOM_NL__2PRFIN20100904_215123_000000412092_00373_44515_1840.N1 | 04-SEP-2010 21:51:23 | Dark | 40.500 | 143 | Alp Hyi | 2.8570 | 7200.0 | 81 | 44515 | No |
| 236 | GOM_NL__2PRFIN20100904_215243_000000482092_00373_44515_1841.N1 | 04-SEP-2010 21:52:43 | Dark | 48.000 | 9 | Alp Eri | 0.45300 | 24000. | 96 | 44515 | No |
| 237 | GOM_NL__2PRFIN20100904_215838_000000492092_00373_44515_1842.N1 | 04-SEP-2010 21:58:38 | Straylight | 49.000 | 84 | Alp Phe | 2.3970 | 4500.0 | 98 | 44515 | No |
| 238 | GOM_NL__2PRFIN20100904_220430_000000482092_00373_44515_1843.N1 | 04-SEP-2010 22:04:30 | Straylight | 48.000 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 96 | 44515 | No |
| 239 | GOM_NL__2PRFIN20100904_221342_000000402092_00373_44515_1844.N1 | 04-SEP-2010 22:13:42 | Bright | 40.000 | 162 | 34Alp Aqr | 2.9440 | 5350.0 | 80 | 44515 | No |
| 240 | GOM_NL__2PRFIN20100904_221912_000000452092_00373_44515_1845.N1 | 04-SEP-2010 22:19:12 | Bright | 45.000 | 90 | 54Alp Peg | 2.4870 | 11000. | 90 | 44515 | No |
| 241 | GOM_NL__2PRFIN20100904_222325_000000412092_00373_44515_1846.N1 | 04-SEP-2010 22:23:25 | Bright | 41.000 | 164 | 44Eta Peg | 2.9480 | 5400.0 | 82 | 44515 | No |
| 242 | GOM_NL__2PRFIN20100904_223358_000000452092_00373_44515_1847.N1 | 04-SEP-2010 22:33:58 | Bright | 45.000 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 90 | 44515 | No |
| 243 | GOM_NL__2PRFIN20100904_223602_000000452092_00373_44515_1848.N1 | 04-SEP-2010 22:36:02 | Bright | 45.000 | 76 | 27Gam Cas | 2.3000 | 30000. | 90 | 44515 | No |
| 244 | GOM_NL__2PRFIN20100904_225506_000000482092_00373_44515_1849.N1 | 04-SEP-2010 22:55:06 | Bright | 48.000 | 107 | 37The Aur | 2.6490 | 11000. | 96 | 44515 | No |
| 245 | GOM_NL__2PRFIN20100904_225731_000000402092_00373_44515_1850.N1 | 04-SEP-2010 22:57:31 | Bright | 39.500 | 17 | 78Bet Gem | 1.1610 | 4500.0 | 79 | 44515 | No |
| 246 | GOM_NL__2PRFIN20100904_230032_000000612092_00373_44515_1851.N1 | 04-SEP-2010 23:00:32 | Twi_and_stray | 60.500 | 151 | 13Mu Gem | 2.8900 | 3000.0 | 121 | 44515 | No |
| 247 | GOM_NL__2PRFIN20100904_230221_000000522092_00373_44515_1852.N1 | 04-SEP-2010 23:02:21 | Twi_and_stray | 52.000 | 44 | 24Gam Gem | 1.9280 | 11000. | 104 | 44515 | No |
| 248 | GOM_NL__2PRFIN20100904_230419_000000462092_00373_44515_1853.N1 | 04-SEP-2010 23:04:19 | Twilight | 45.500 | 8 | 10Alp CMi | 0.40000 | 6500.0 | 91 | 44515 | No |
| 249 | GOM_NL__2PRFIN20100904_231216_000000532092_00373_44515_1854.N1 | 04-SEP-2010 23:12:16 | Dark | 53.000 | 1 | 9Alp CMa | -1.4400 | 11000. | 106 | 44515 | No |
| 250 | GOM_NL__2PRFIN20100904_231456_000000482092_00373_44515_1855.N1 | 04-SEP-2010 23:14:56 | Dark | 47.500 | 23 | 21Eps CMa | 1.5020 | 26000. | 95 | 44515 | No |
| 251 | GOM_NL__2PRFIN20100904_231656_000000592092_00373_44515_1856.N1 | 04-SEP-2010 23:16:56 | Dark | 59.000 | 101 | 11Alp Lep | 2.5820 | 7000.0 | 118 | 44515 | No |
| 252 | GOM_NL__2PRFIN20100904_233159_000000412092_00374_44516_1857.N1 | 04-SEP-2010 23:31:59 | Dark | 40.500 | 143 | Alp Hyi | 2.8570 | 7200.0 | 81 | 44516 | No |
| 253 | GOM_NL__2PRFIN20100904_233319_000000432092_00374_44516_1858.N1 | 04-SEP-2010 23:33:19 | Dark | 43.000 | 9 | Alp Eri | 0.45300 | 24000. | 86 | 44516 | No |
| 254 | GOM_NL__2PRFIN20100904_233915_000000512092_00374_44516_1859.N1 | 04-SEP-2010 23:39:15 | Straylight | 51.000 | 84 | Alp Phe | 2.3970 | 4500.0 | 102 | 44516 | No |
| 255 | GOM_NL__2PRFIN20100904_234506_000000492092_00374_44516_1860.N1 | 04-SEP-2010 23:45:06 | Straylight | 48.500 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 97 | 44516 | No |
| 256 | GOM_NL__2PRFIN20100904_235418_000000402092_00374_44516_1861.N1 | 04-SEP-2010 23:54:18 | Bright | 39.500 | 162 | 34Alp Aqr | 2.9440 | 5350.0 | 79 | 44516 | No |
| 257 | GOM_NL__2PRFIN20100904_235948_000000472092_00374_44516_1862.N1 | 04-SEP-2010 23:59:48 | Bright | 47.000 | 90 | 54Alp Peg | 2.4870 | 11000. | 94 | 44516 | No |

3. Quality information per product

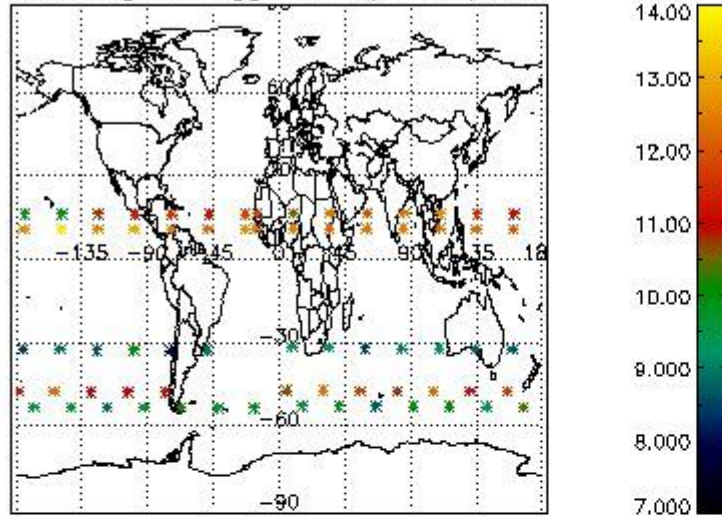
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

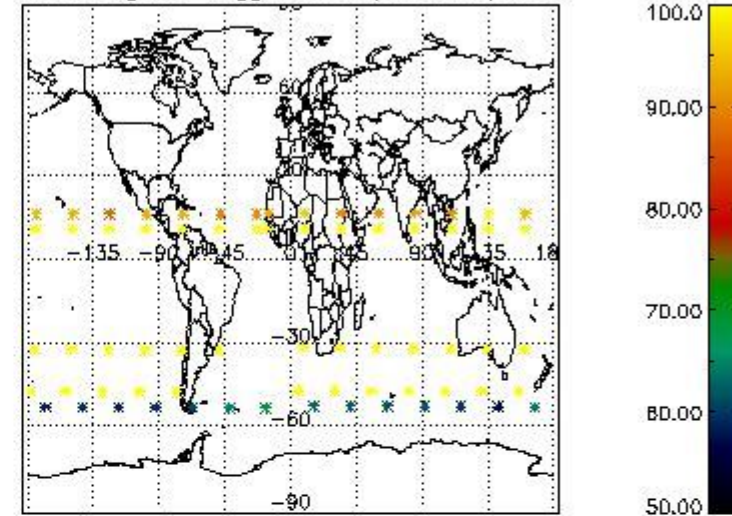


3.2 Plot quality information per product (world map)

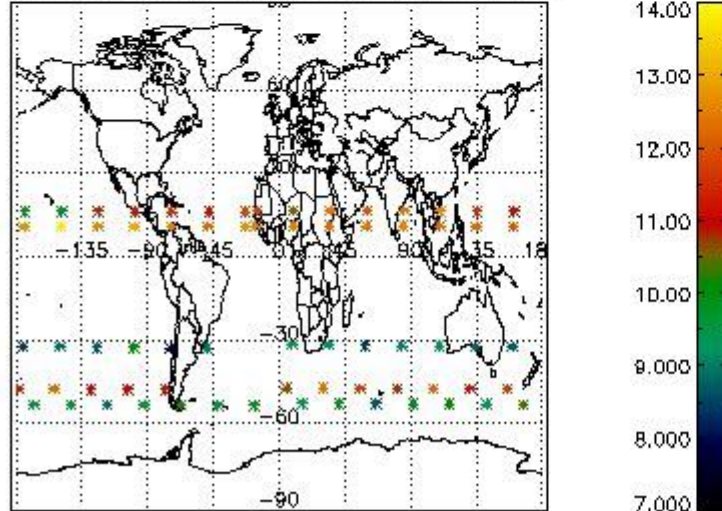
Percentage of flagged data per O3 profile



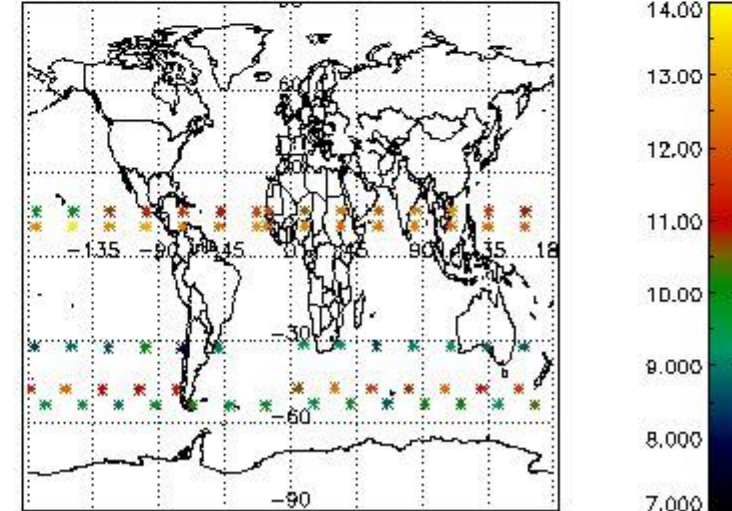
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

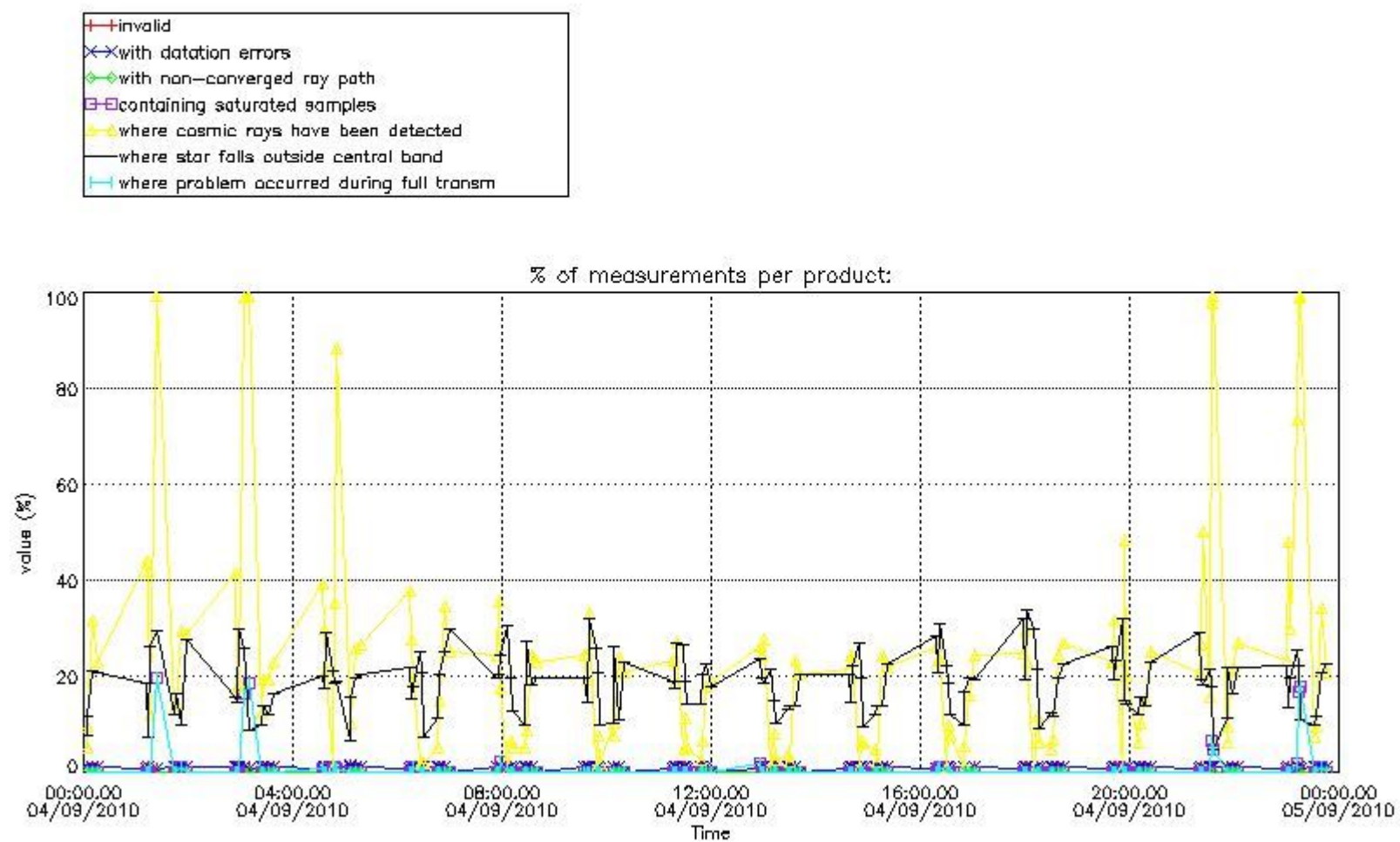


4. Level 1 quality information per product

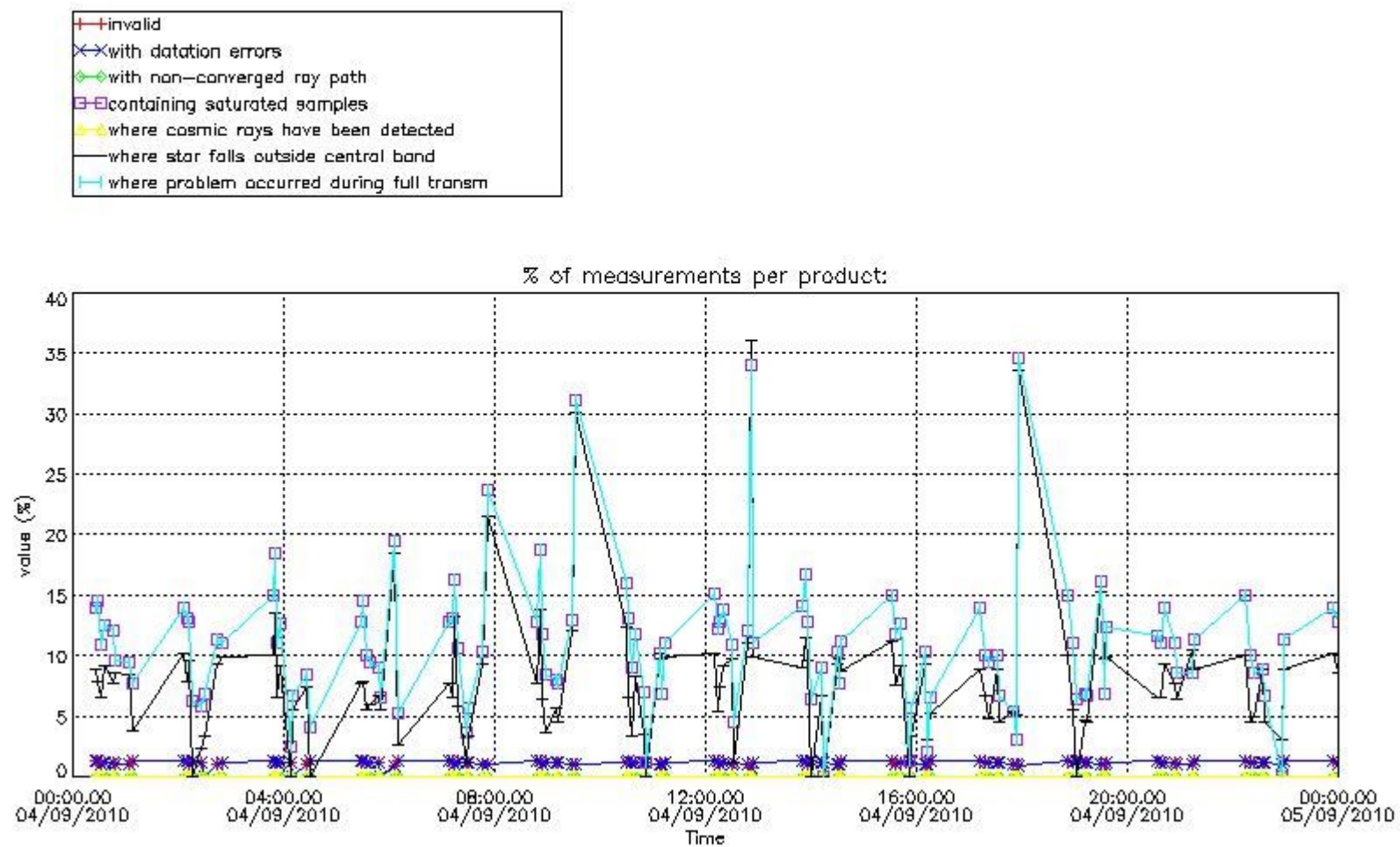
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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

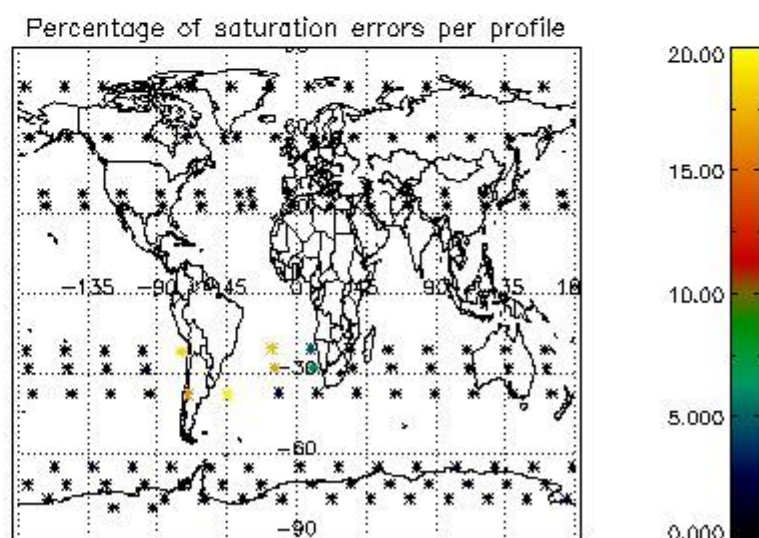
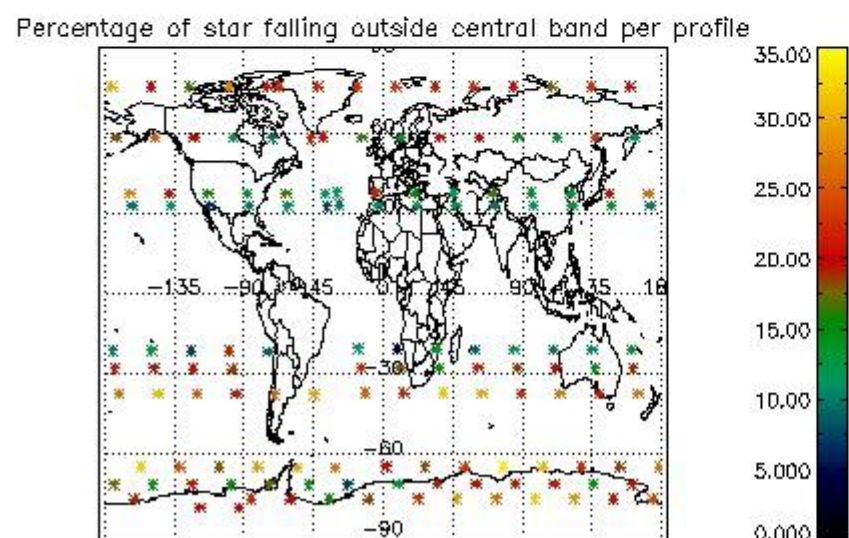
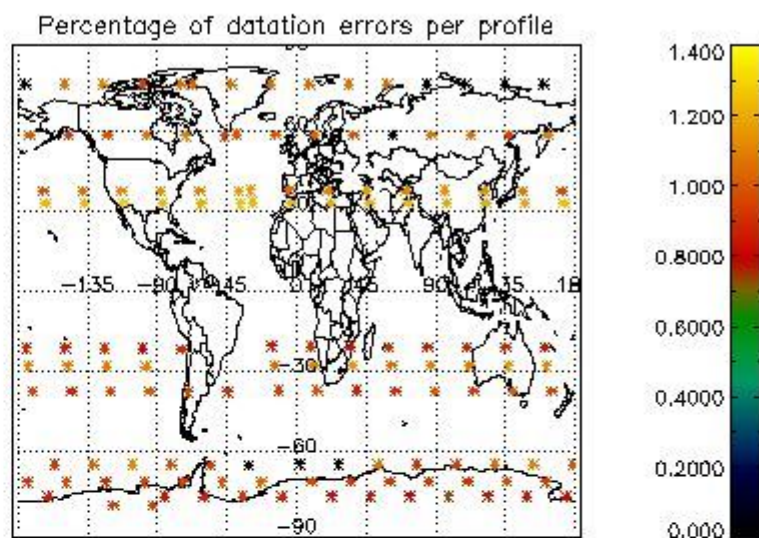
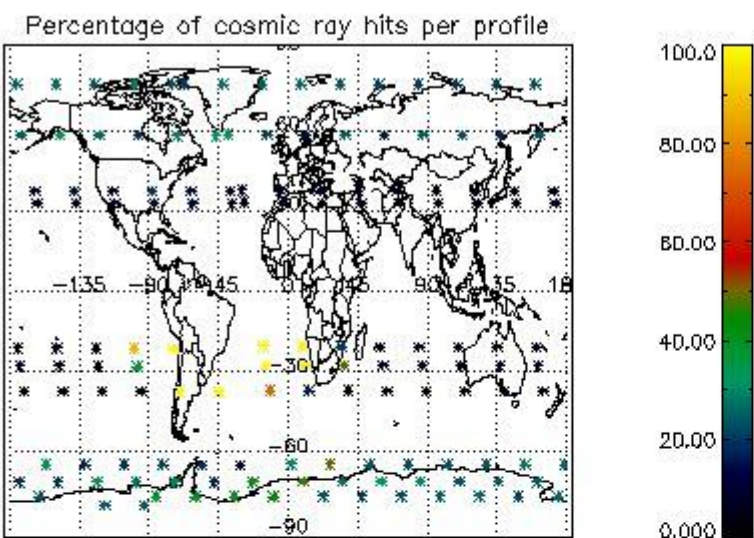


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

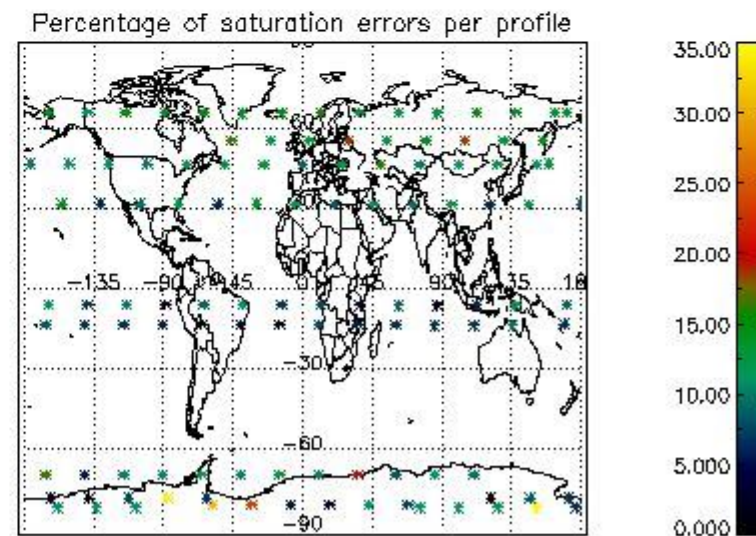
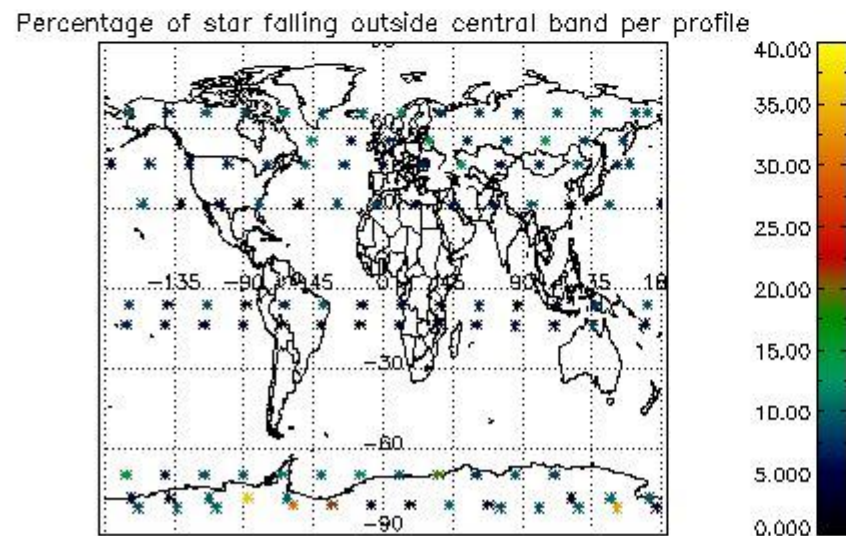
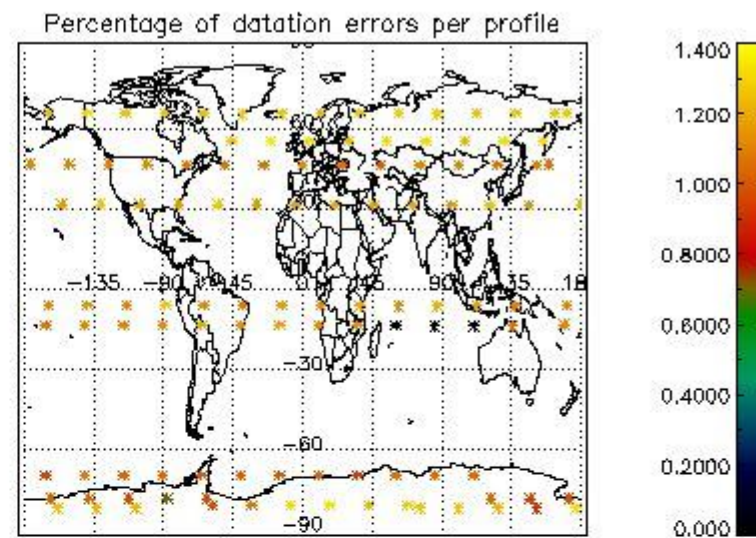
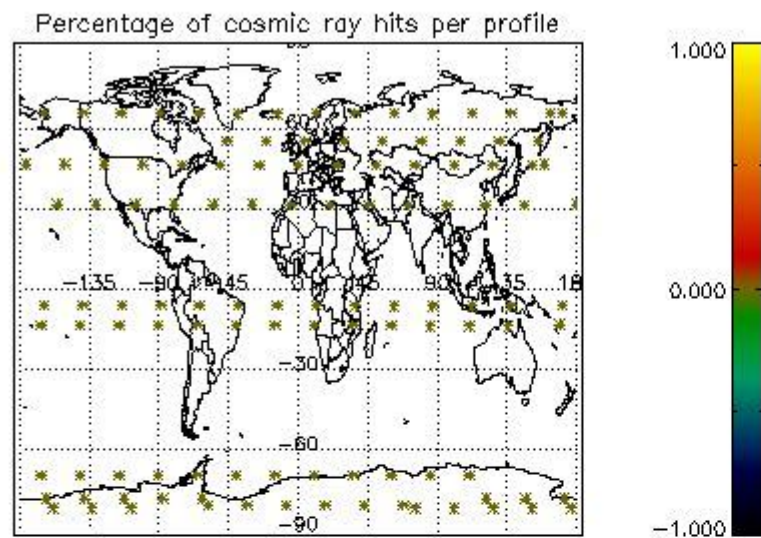


4.2 Plot quality information per product coming from level 1b processing (world map)

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



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



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

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

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

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

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

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

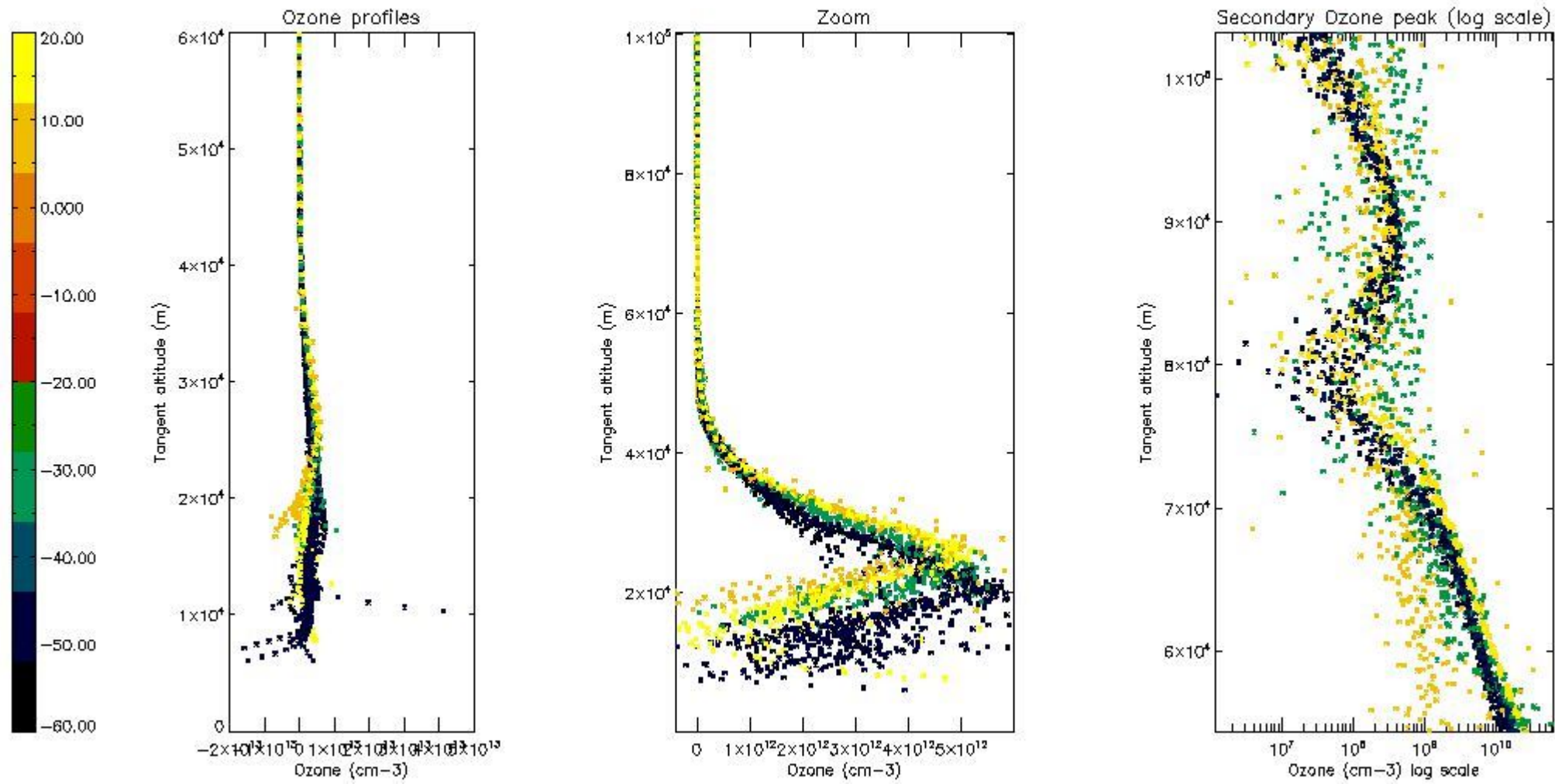
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

| Criteria | % of total production |
|----------|-----------------------|
| All STD | 28 |
| STD < 20 | 16 |

| | |
|----------|----|
| STD < 10 | 13 |
| STD < 5 | 9 |

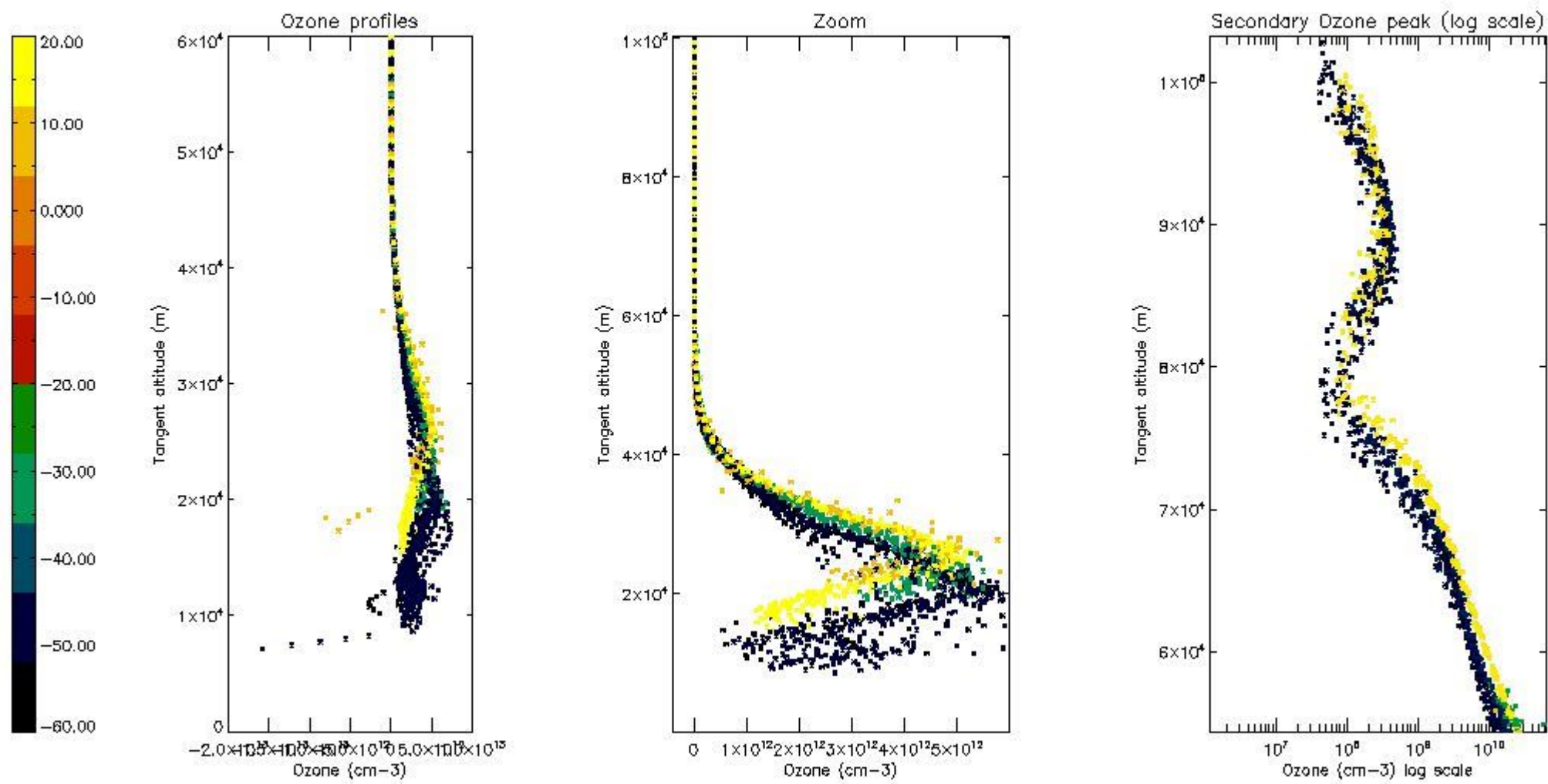
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



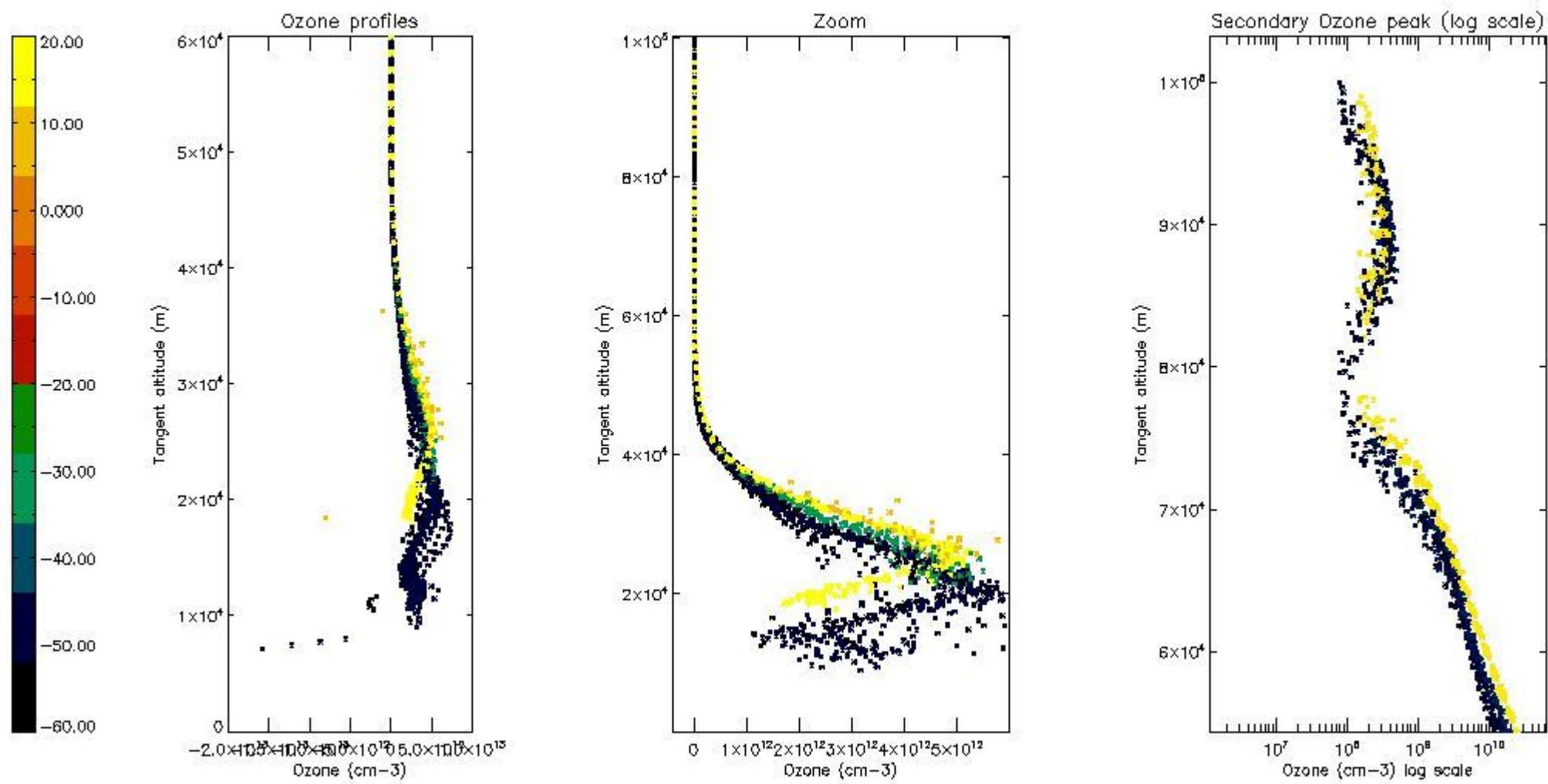
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



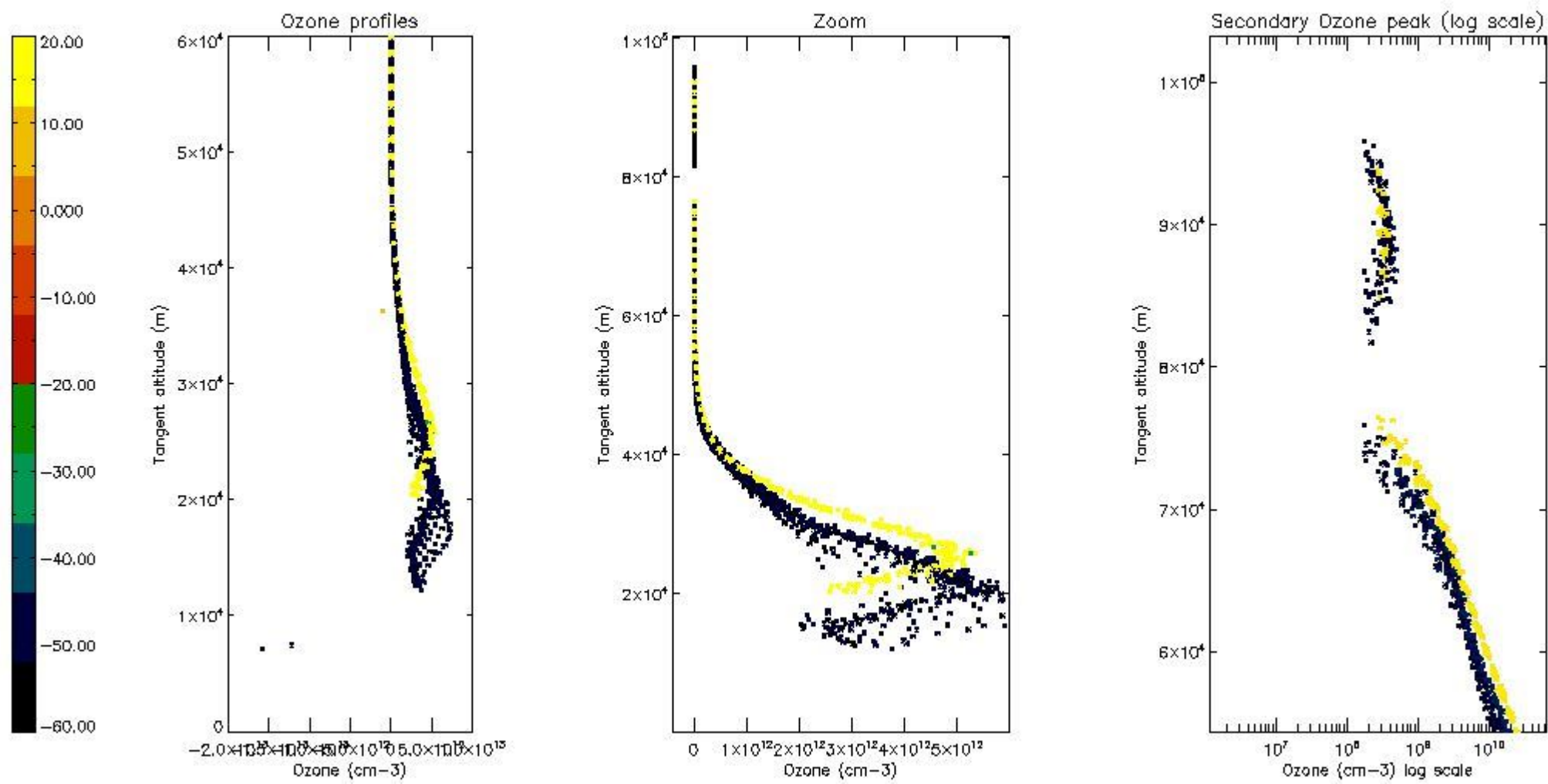
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



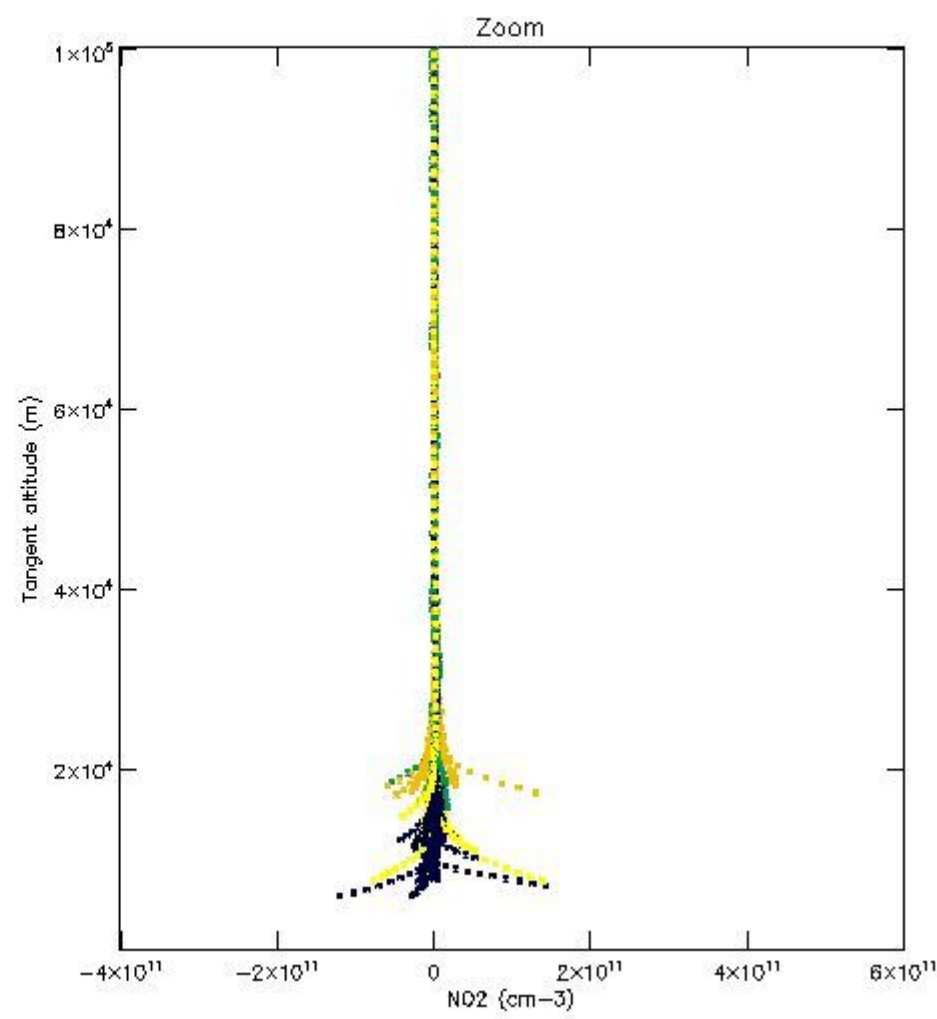
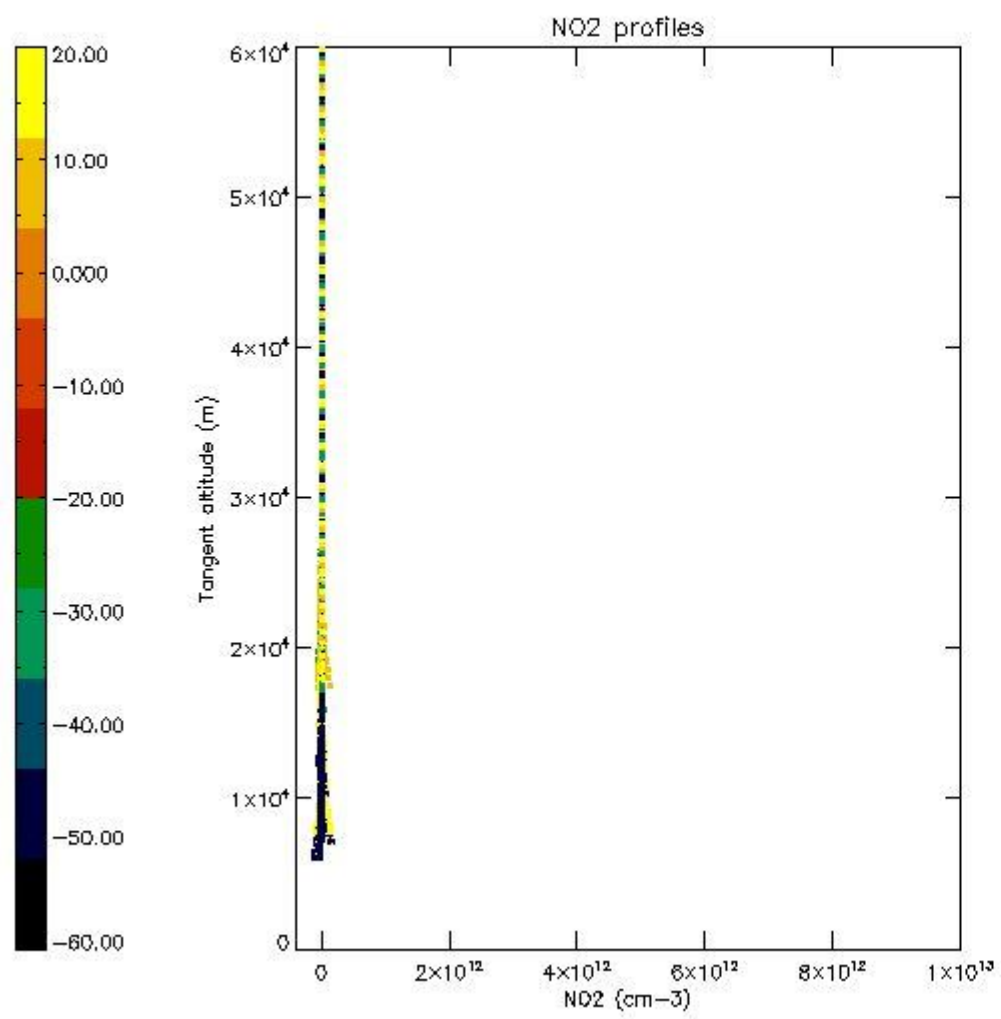
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



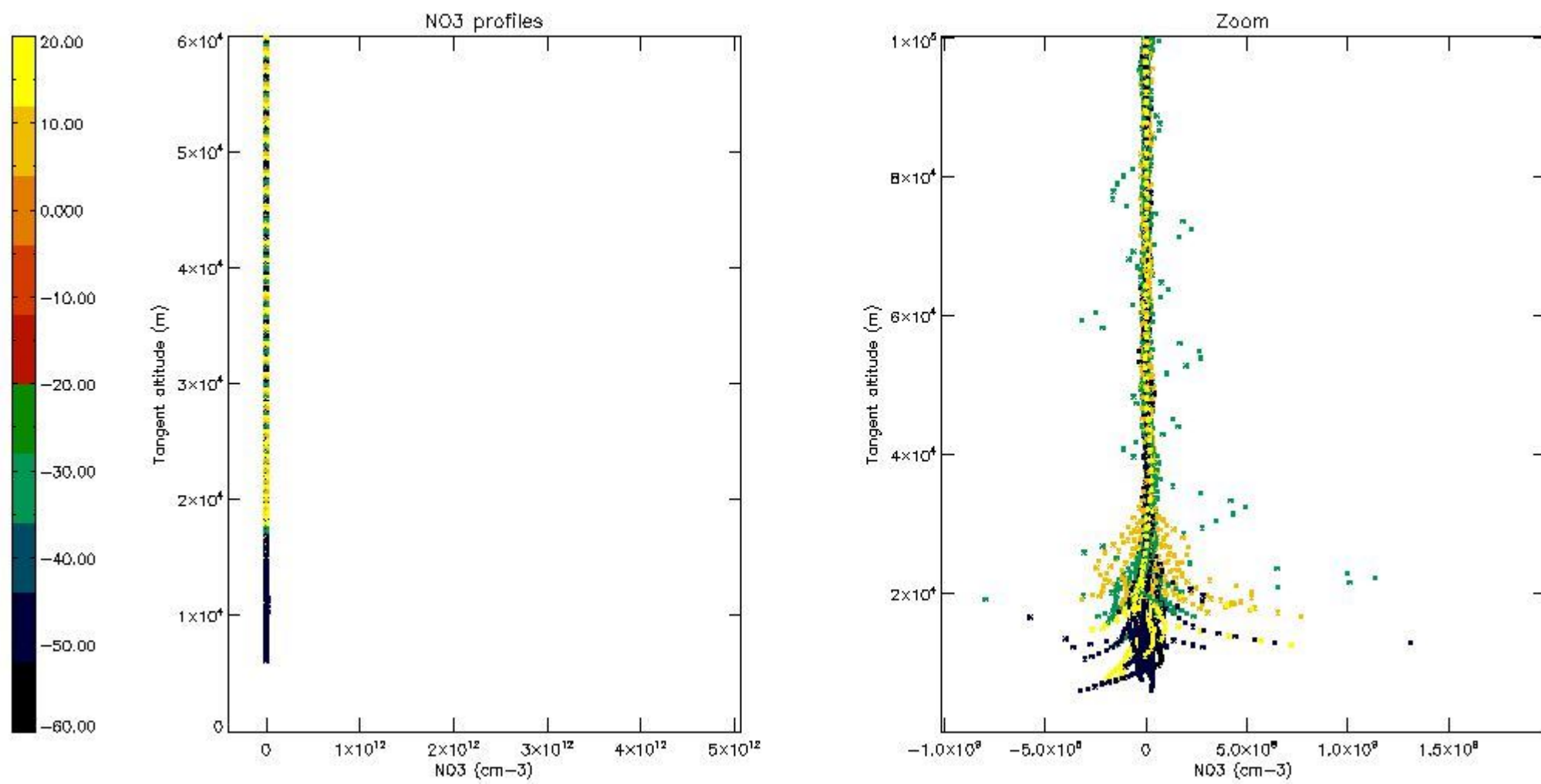
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



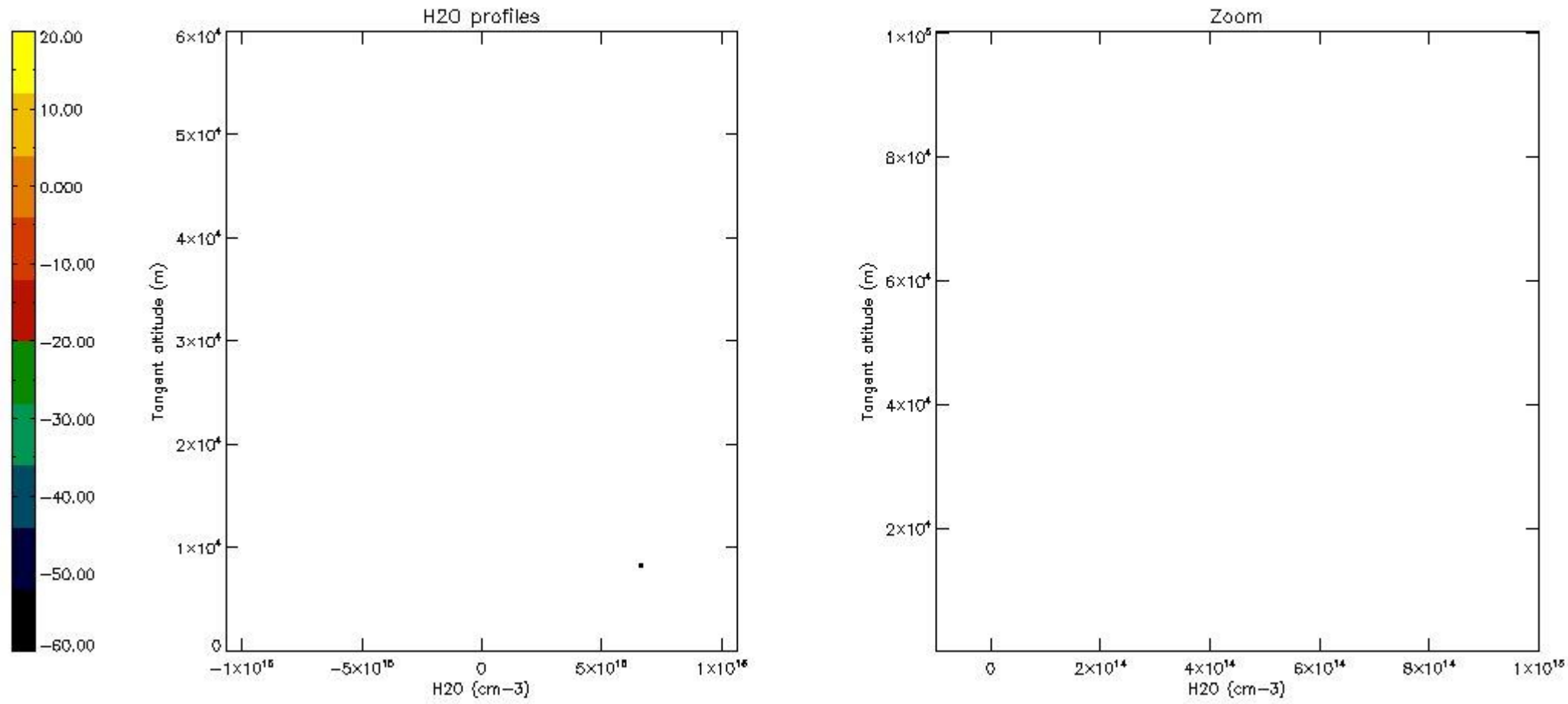
5.7 Plot NO3 profiles for all STD (dark without errors)

The colorbar represents the latitude.



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)

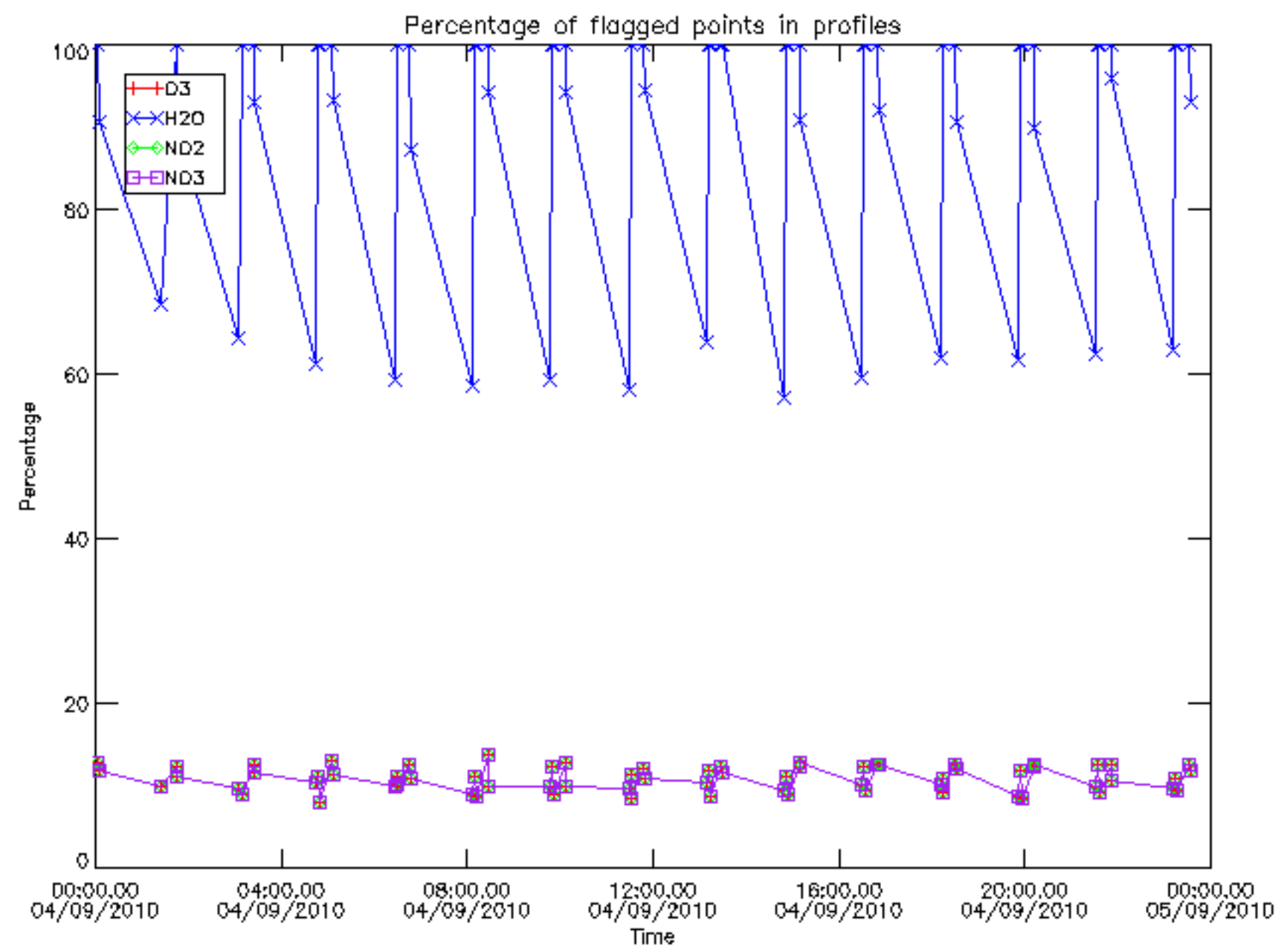
The colorbar represents the latitude.



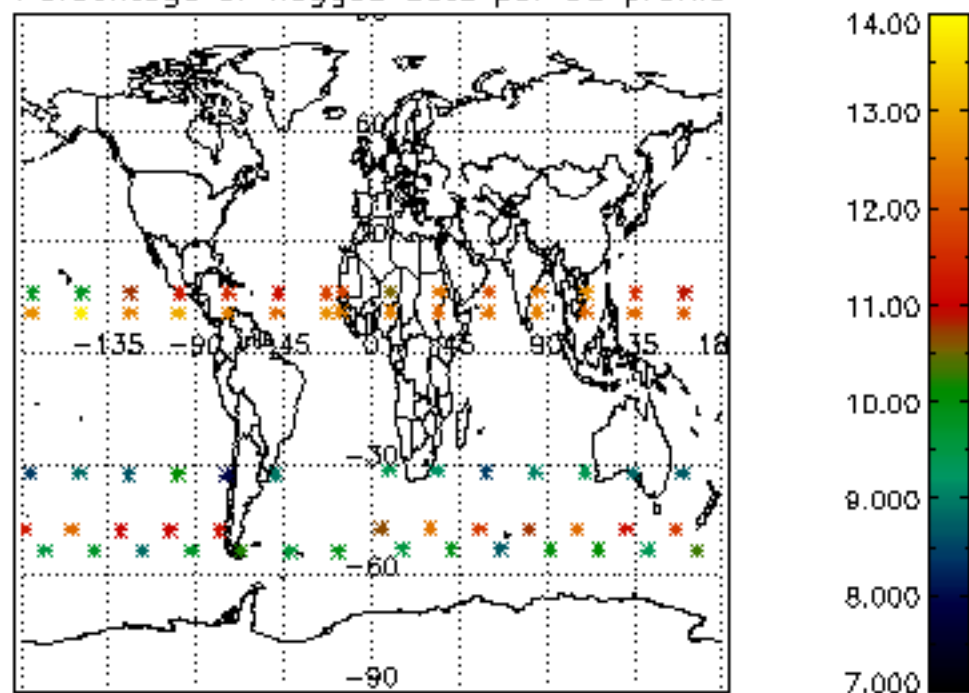
6. Auxiliary Data Files used for the production reported in section 2

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.

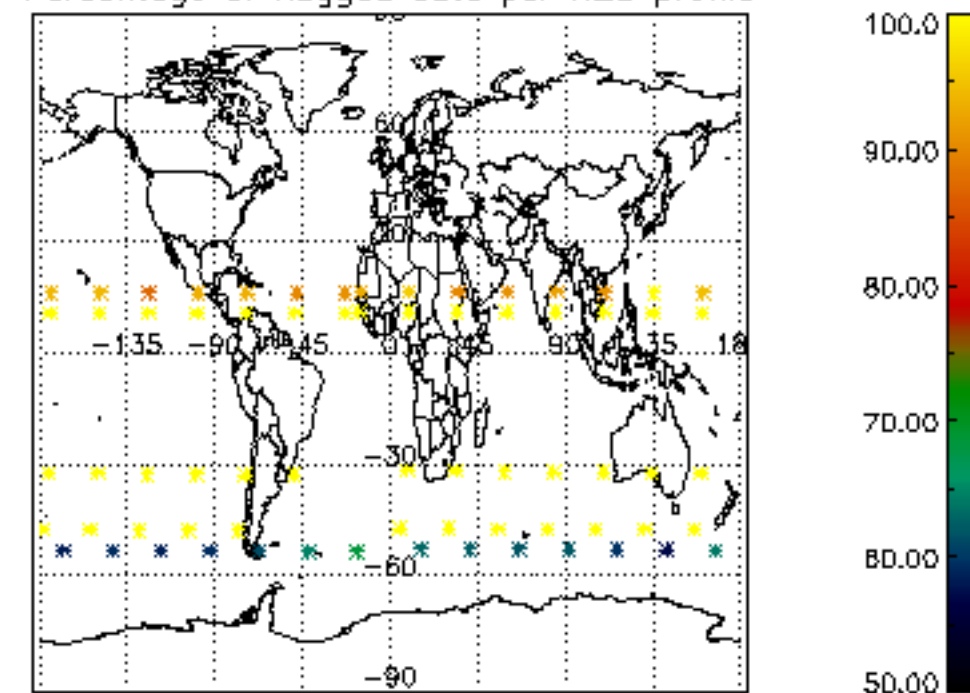
| Type | Auxiliary Filename | Used since product | Used since product date |
|---------------------------|---|--------------------|-------------------------|
| INST_PHYS_CHARACTERISTICS | GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000 | 1 | 04-SEP-2010 00:03:29 |
| LEVEL-2_PROC_CONFIG | GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000 | 1 | 04-SEP-2010 00:03:29 |
| CROSS_SECTIONS_FILE | GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000 | 1 | 04-SEP-2010 00:03:29 |



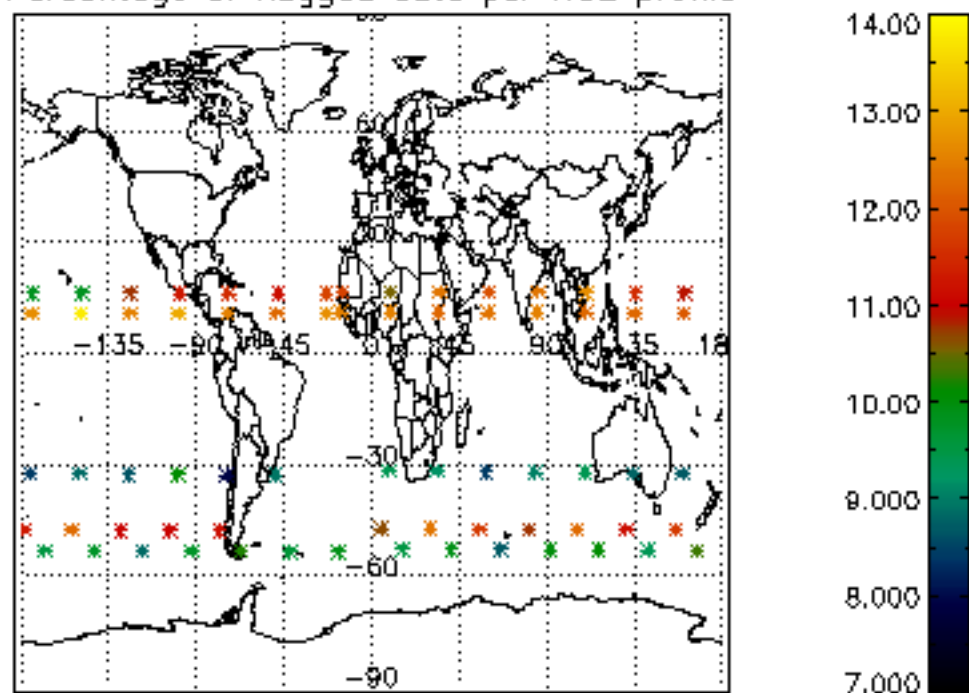
Percentage of flagged data per D3 profile



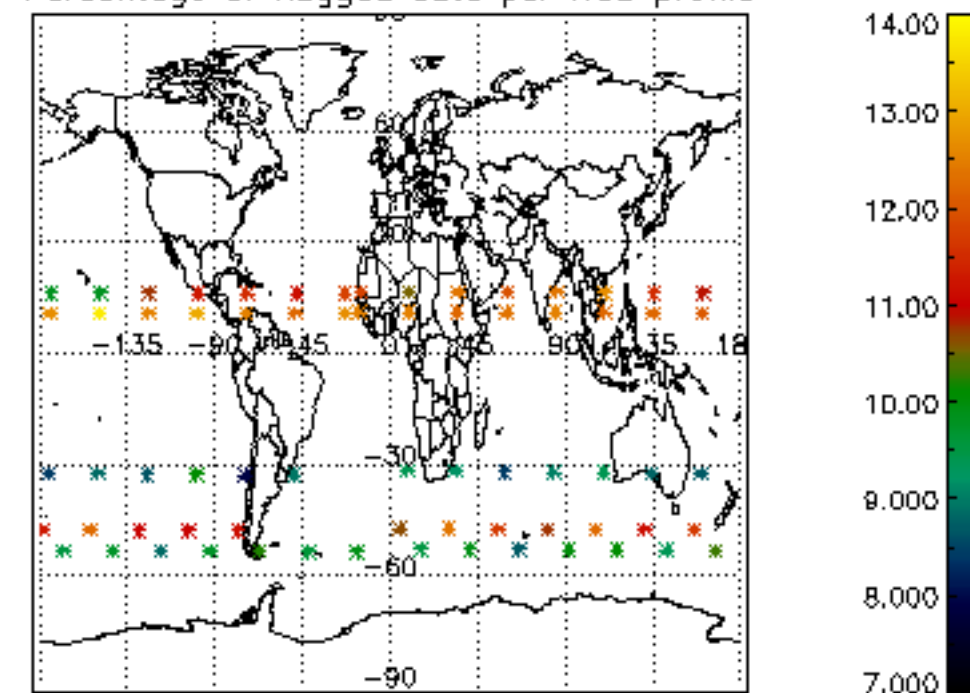
Percentage of flagged data per H2O profile

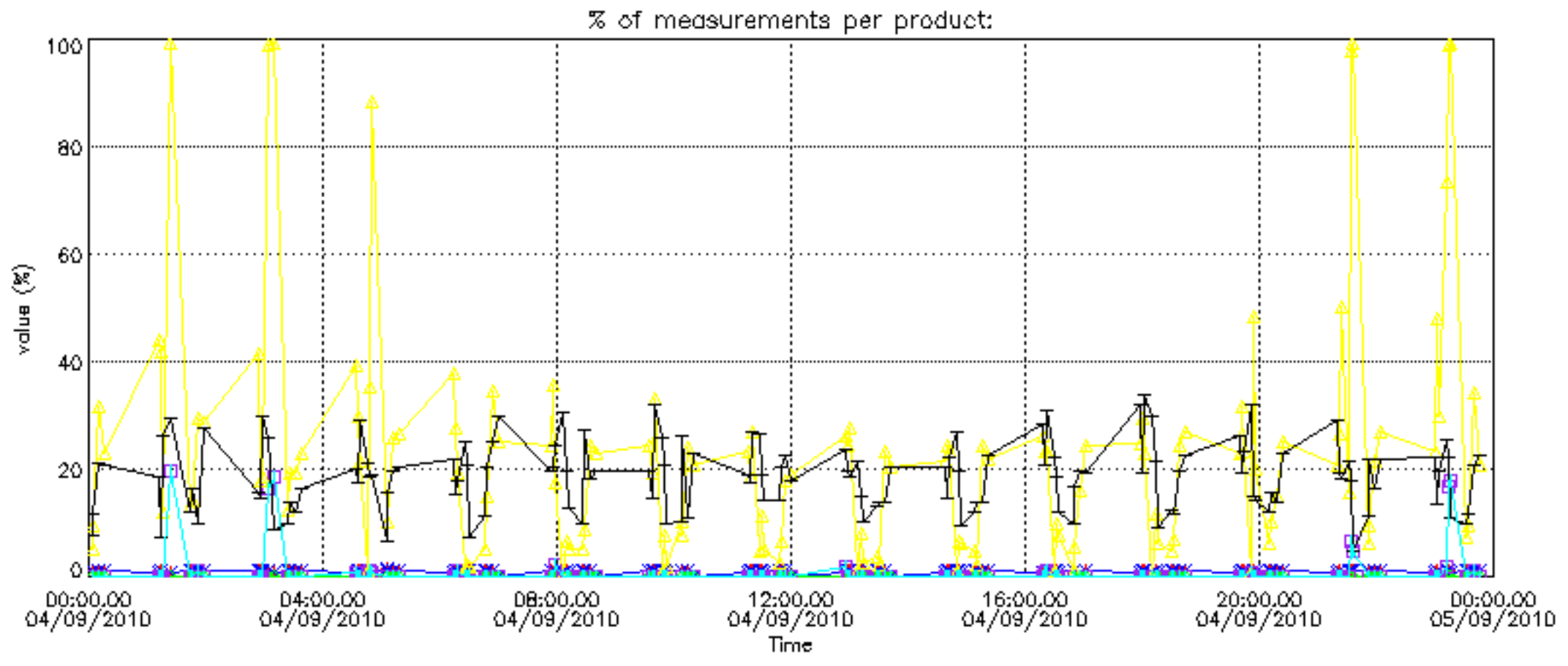


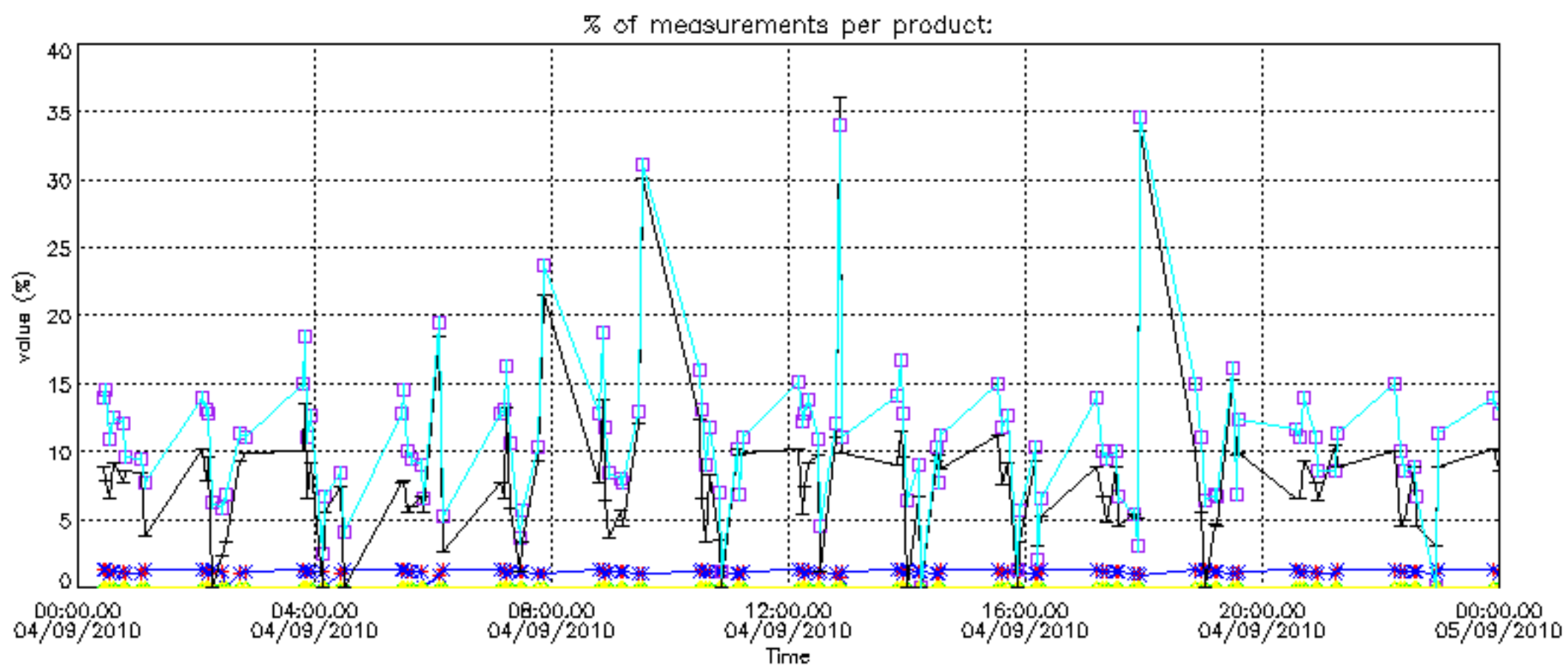
Percentage of flagged data per NO2 profile



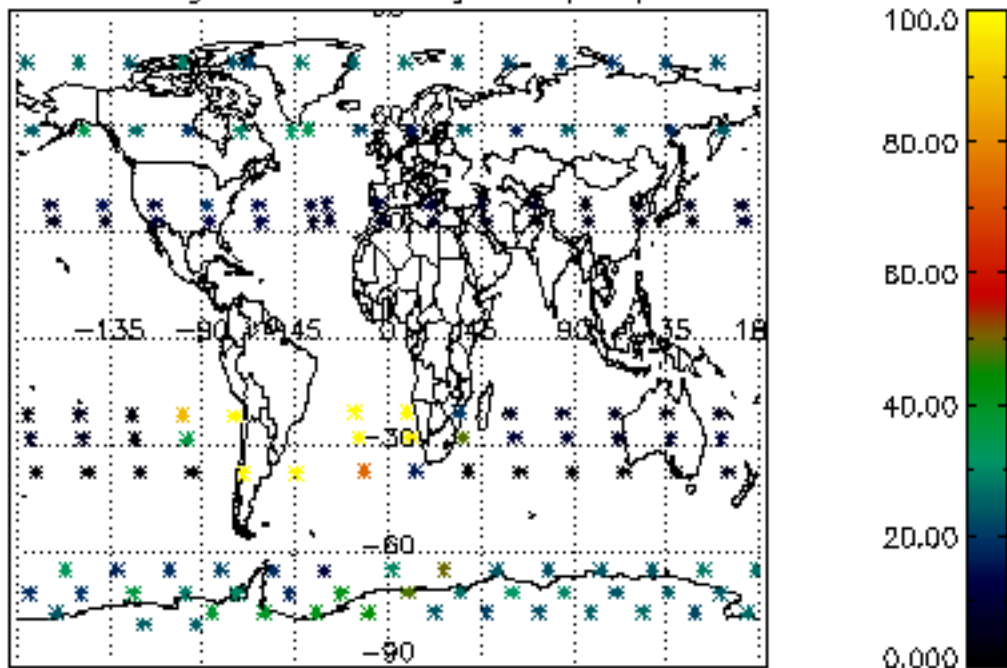
Percentage of flagged data per NO3 profile



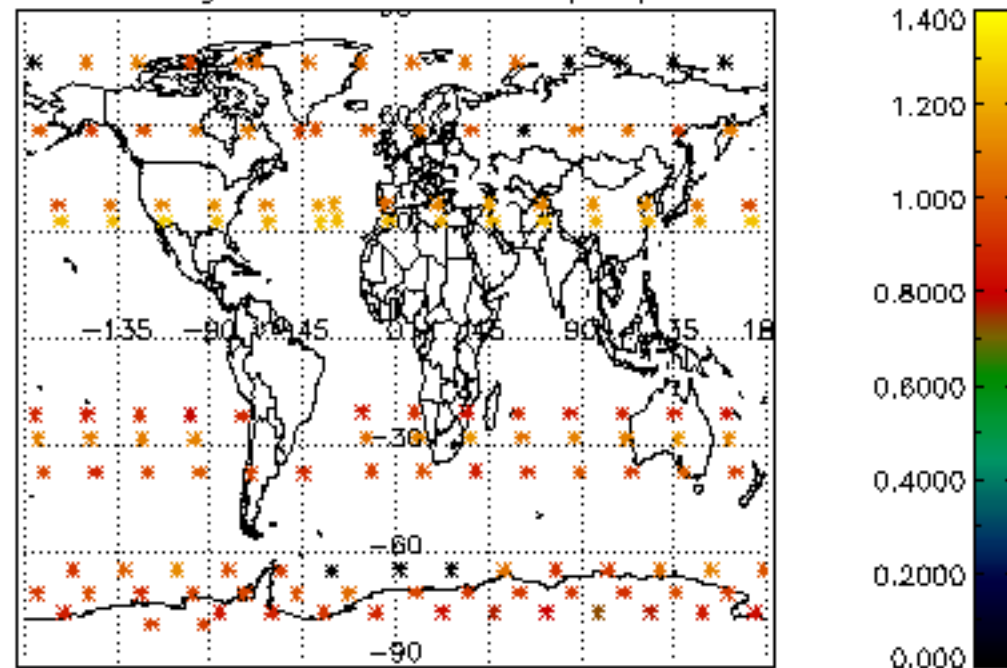




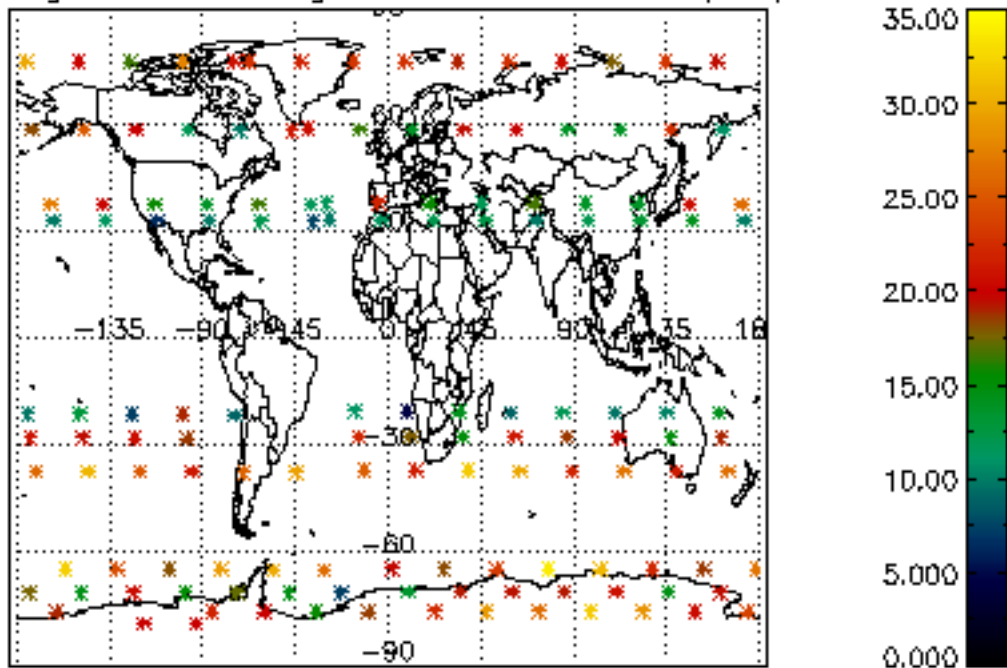
Percentage of cosmic ray hits per profile



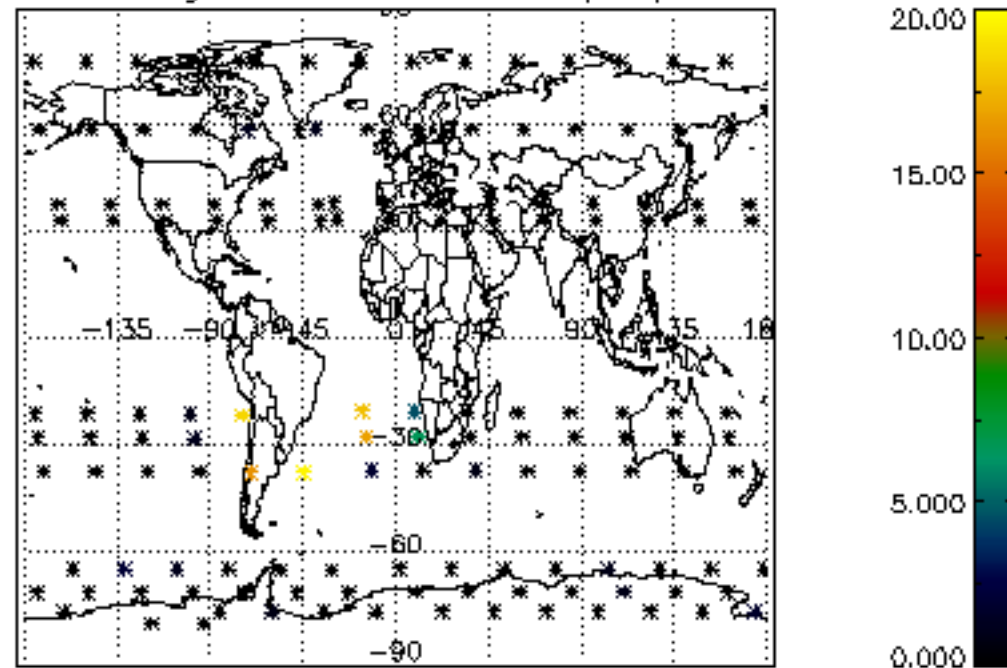
Percentage of datation errors per profile



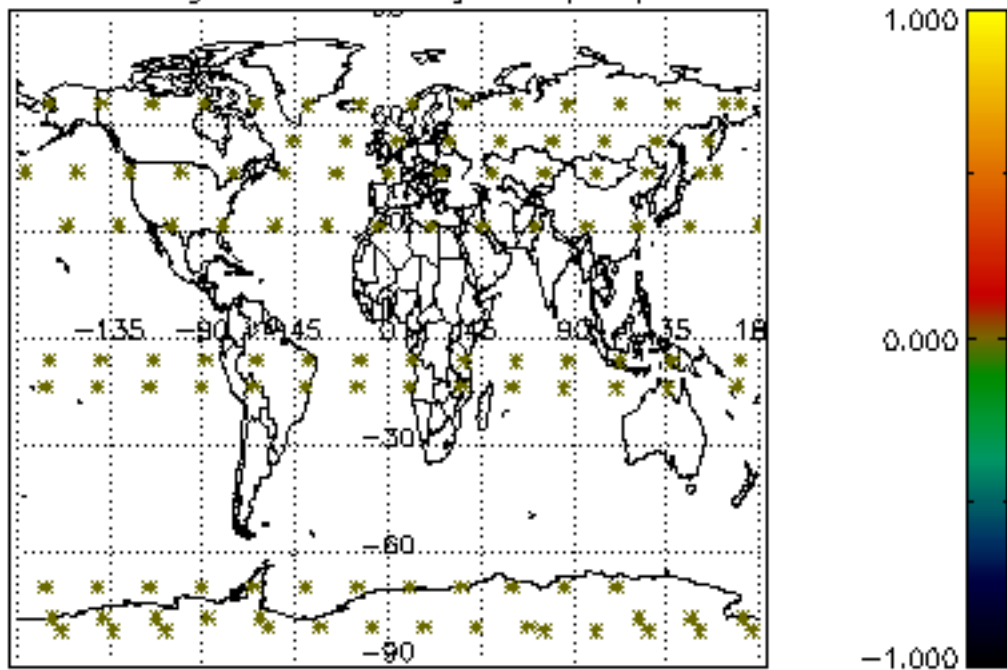
Percentage of star falling outside central band per profile



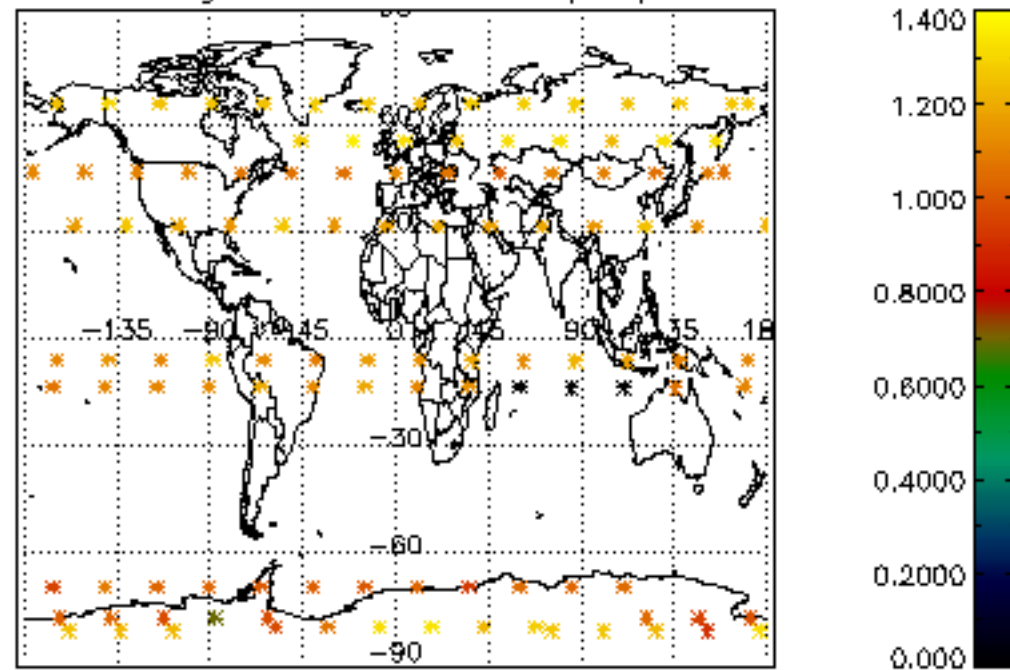
Percentage of saturation errors per profile



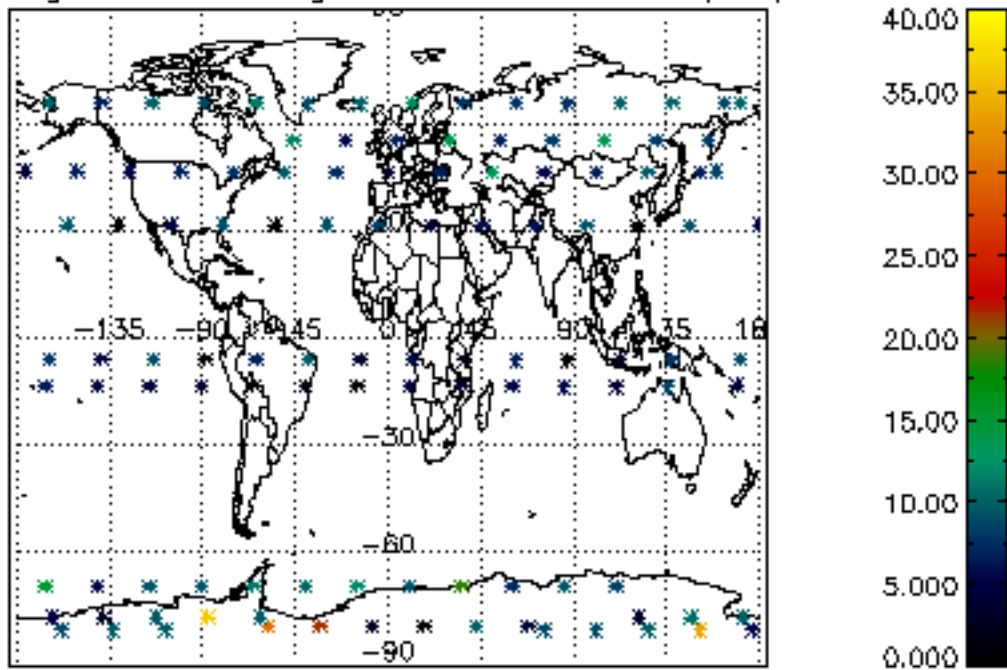
Percentage of cosmic ray hits per profile



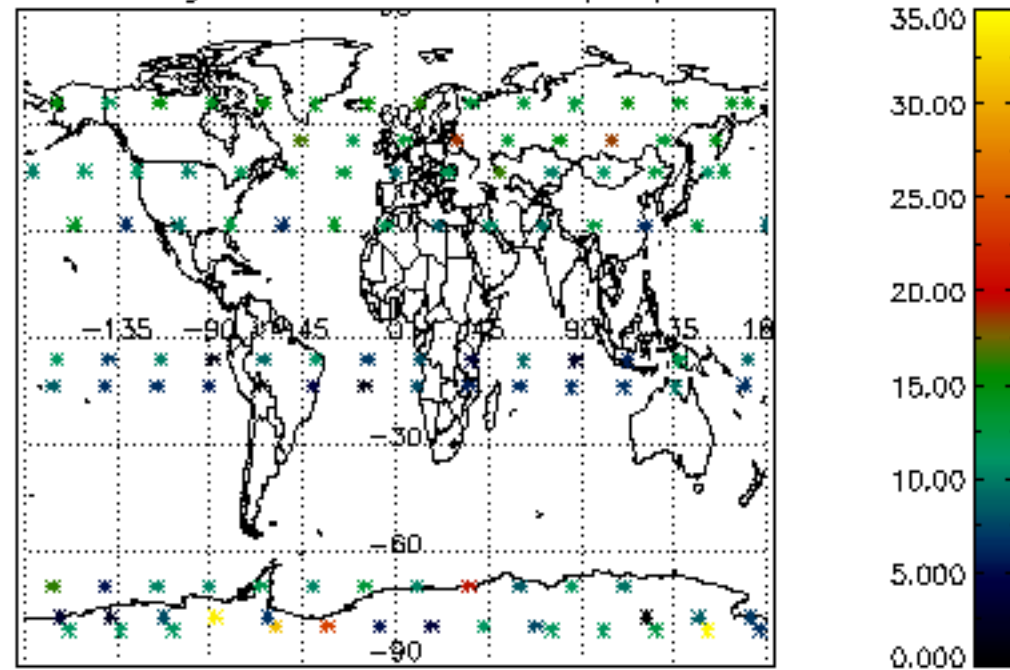
Percentage of datation errors per profile

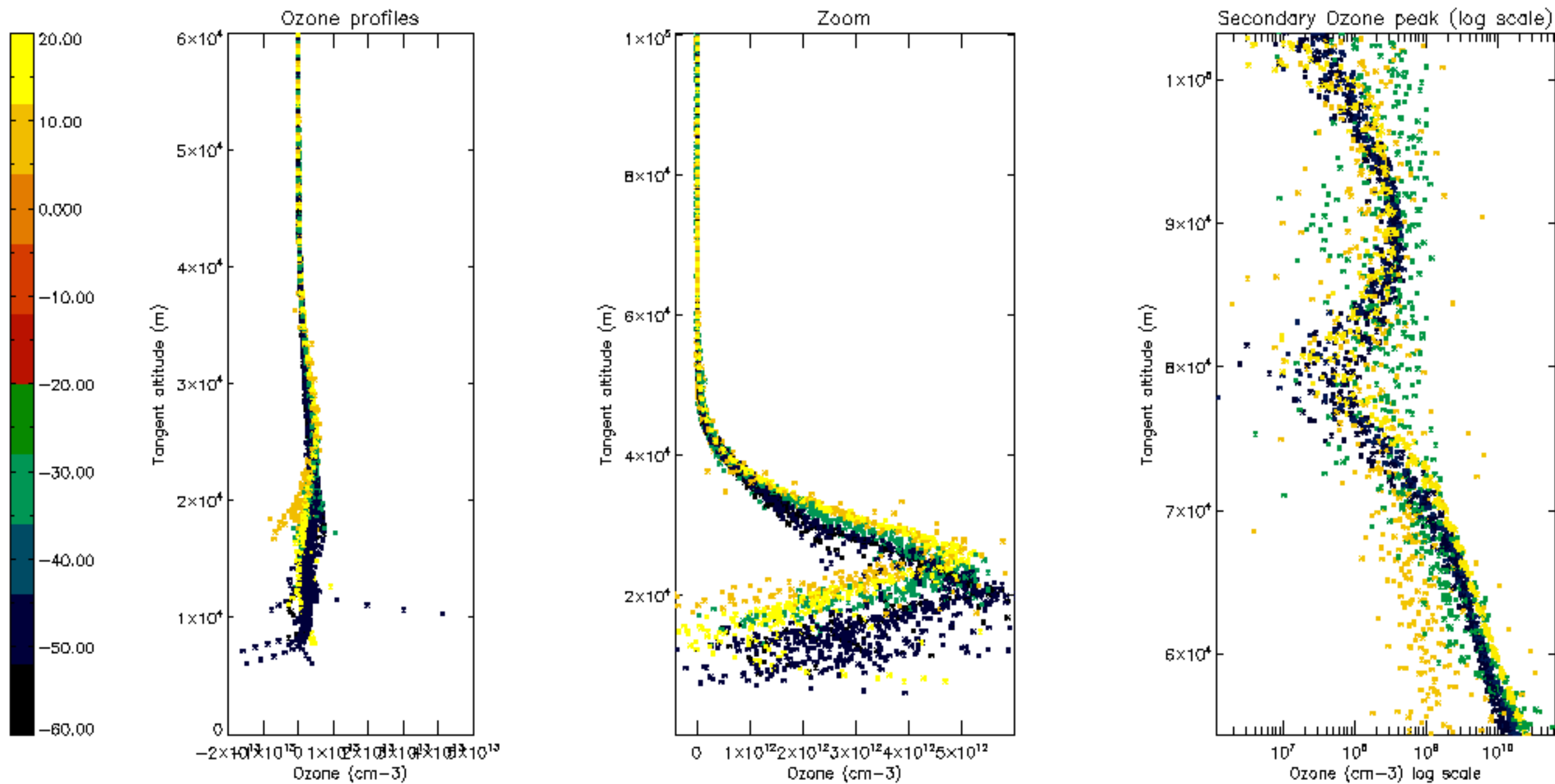


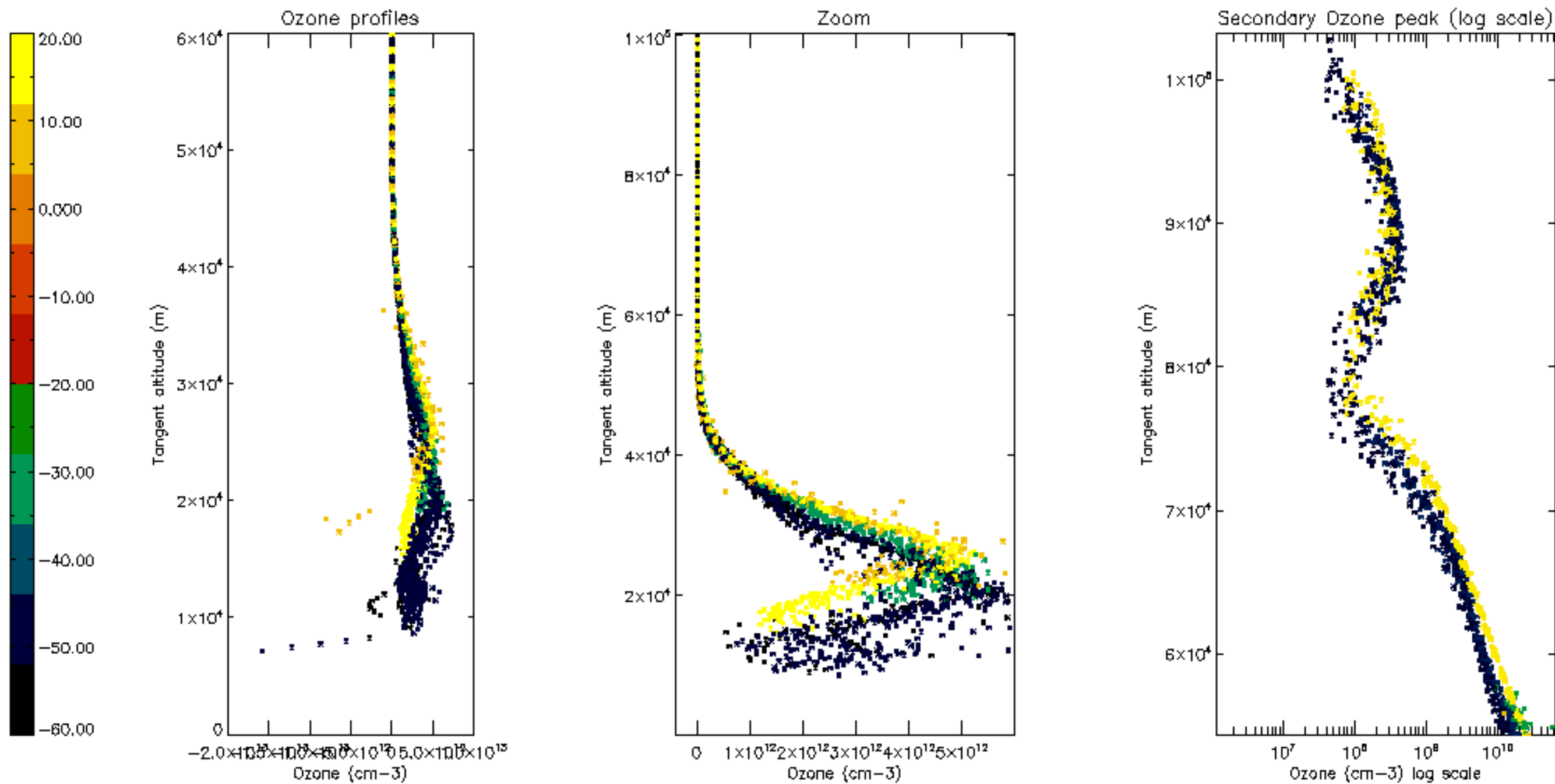
Percentage of star falling outside central band per profile

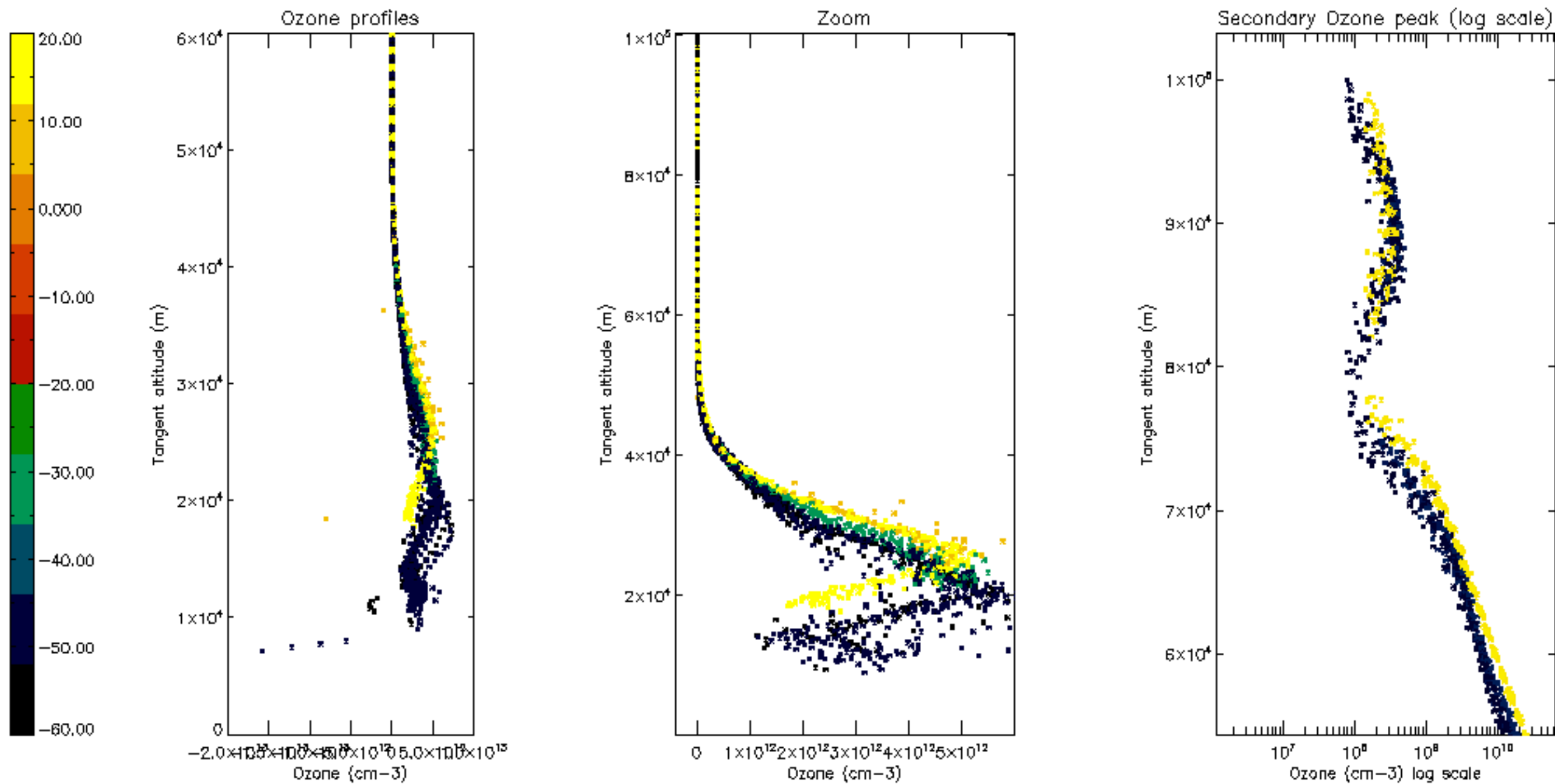


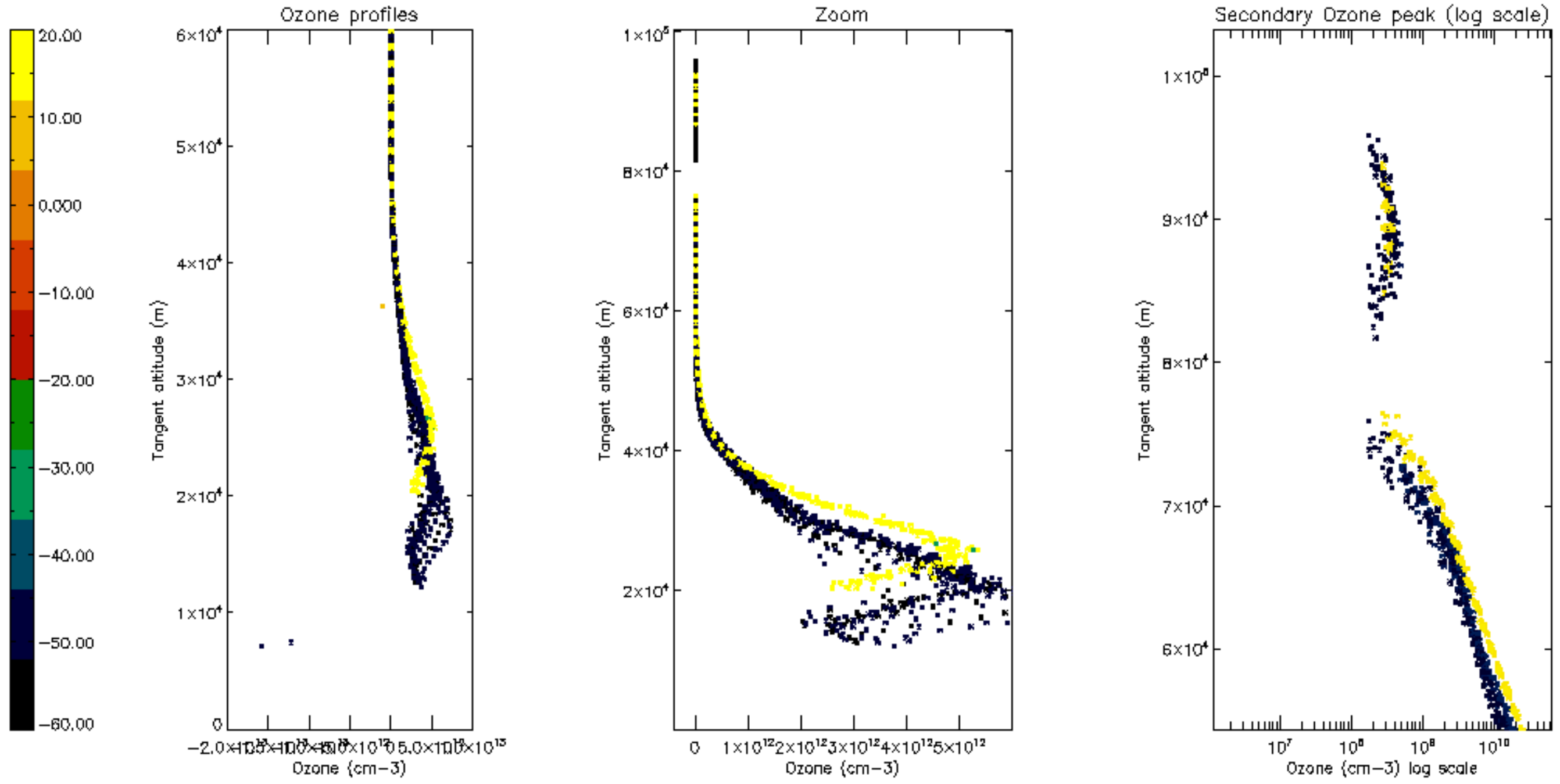
Percentage of saturation errors per profile

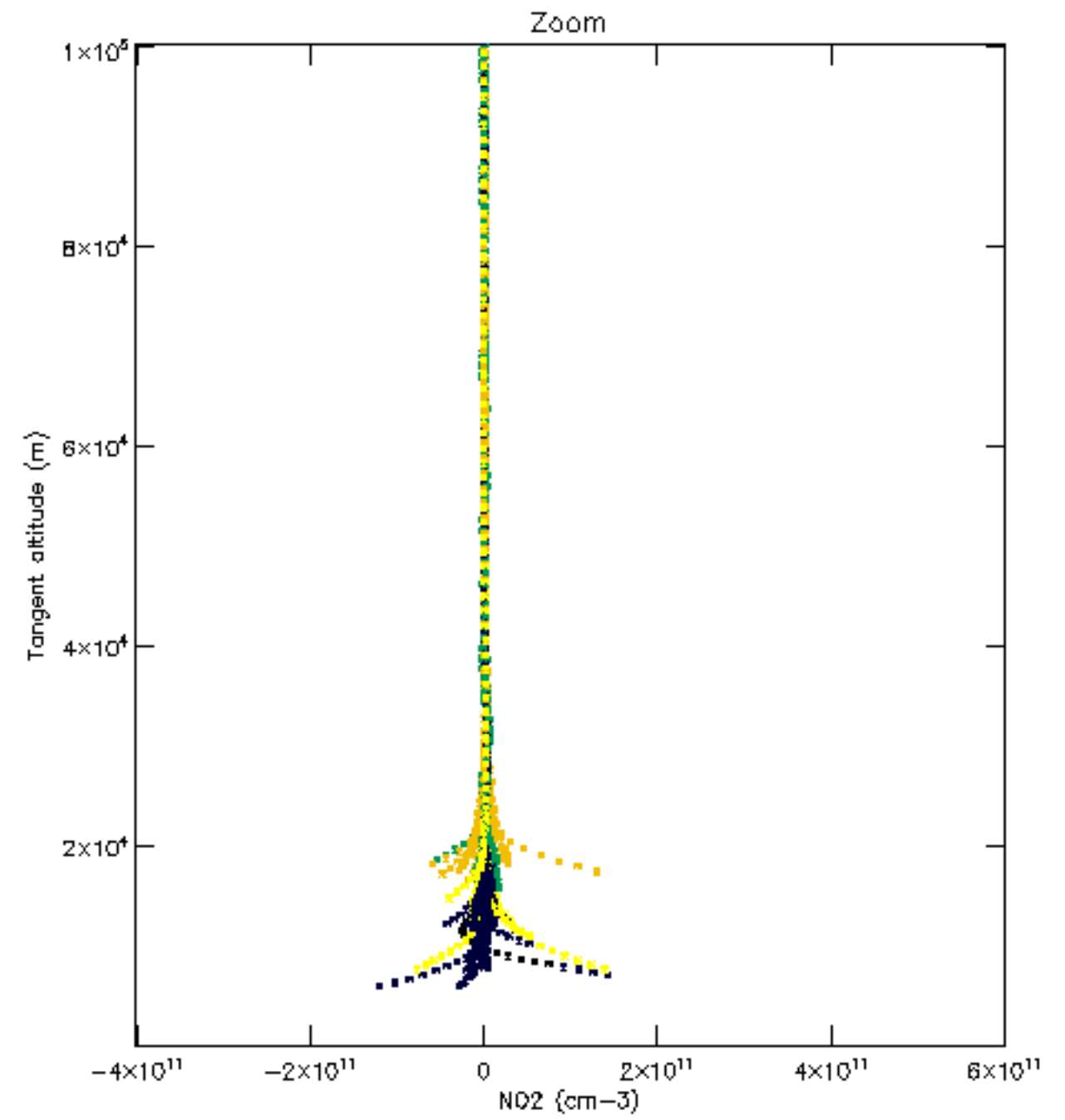
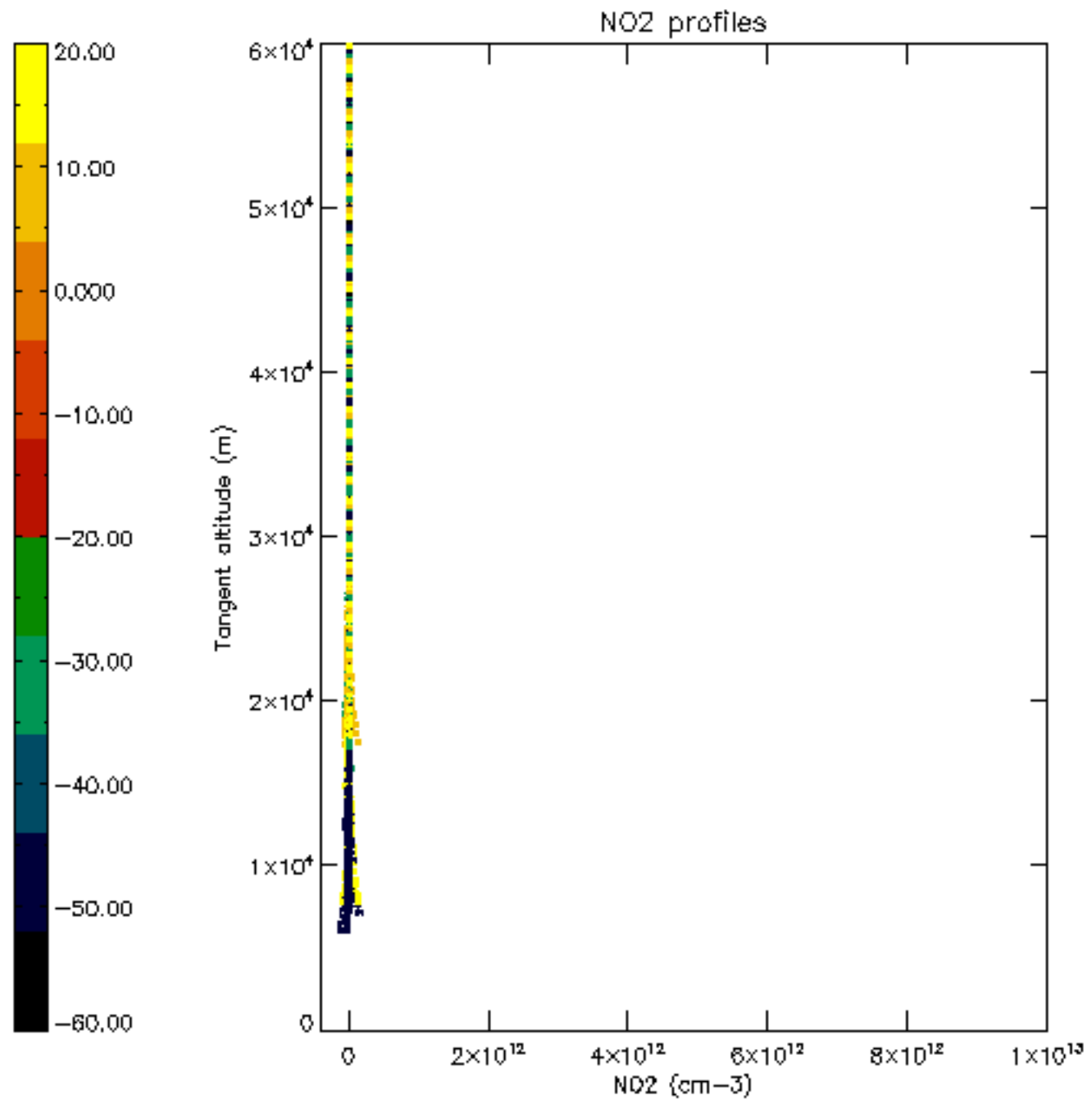


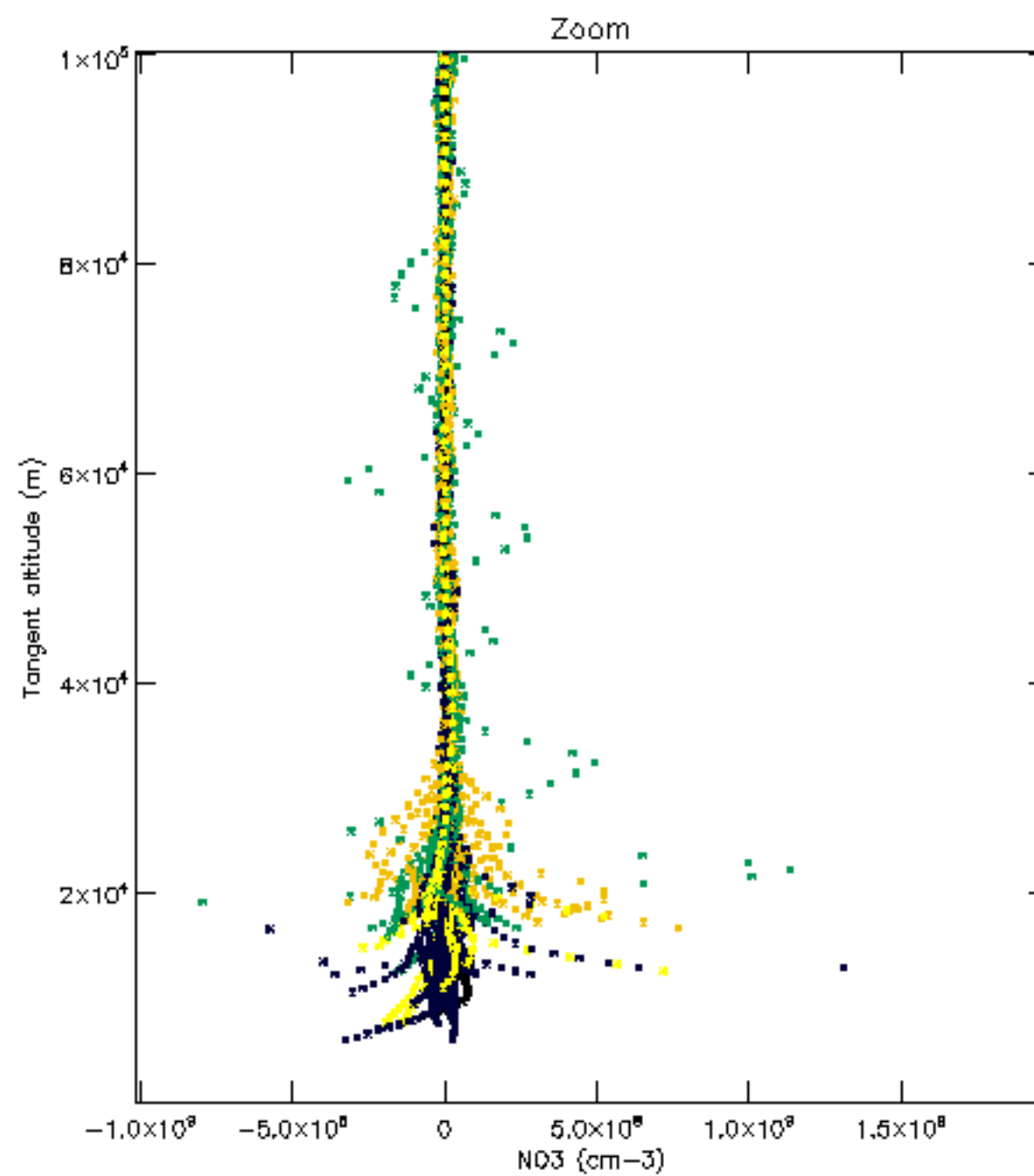
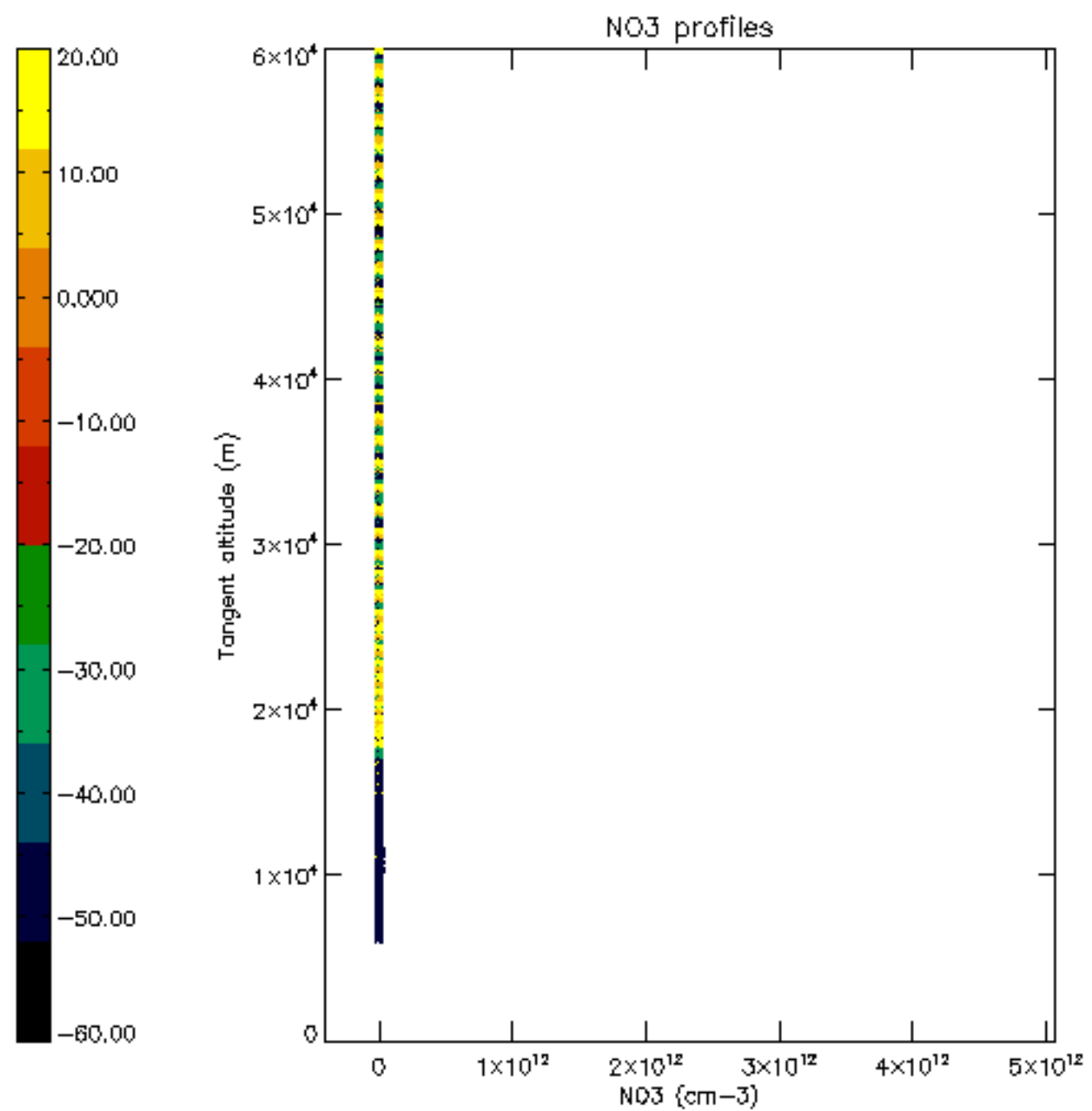


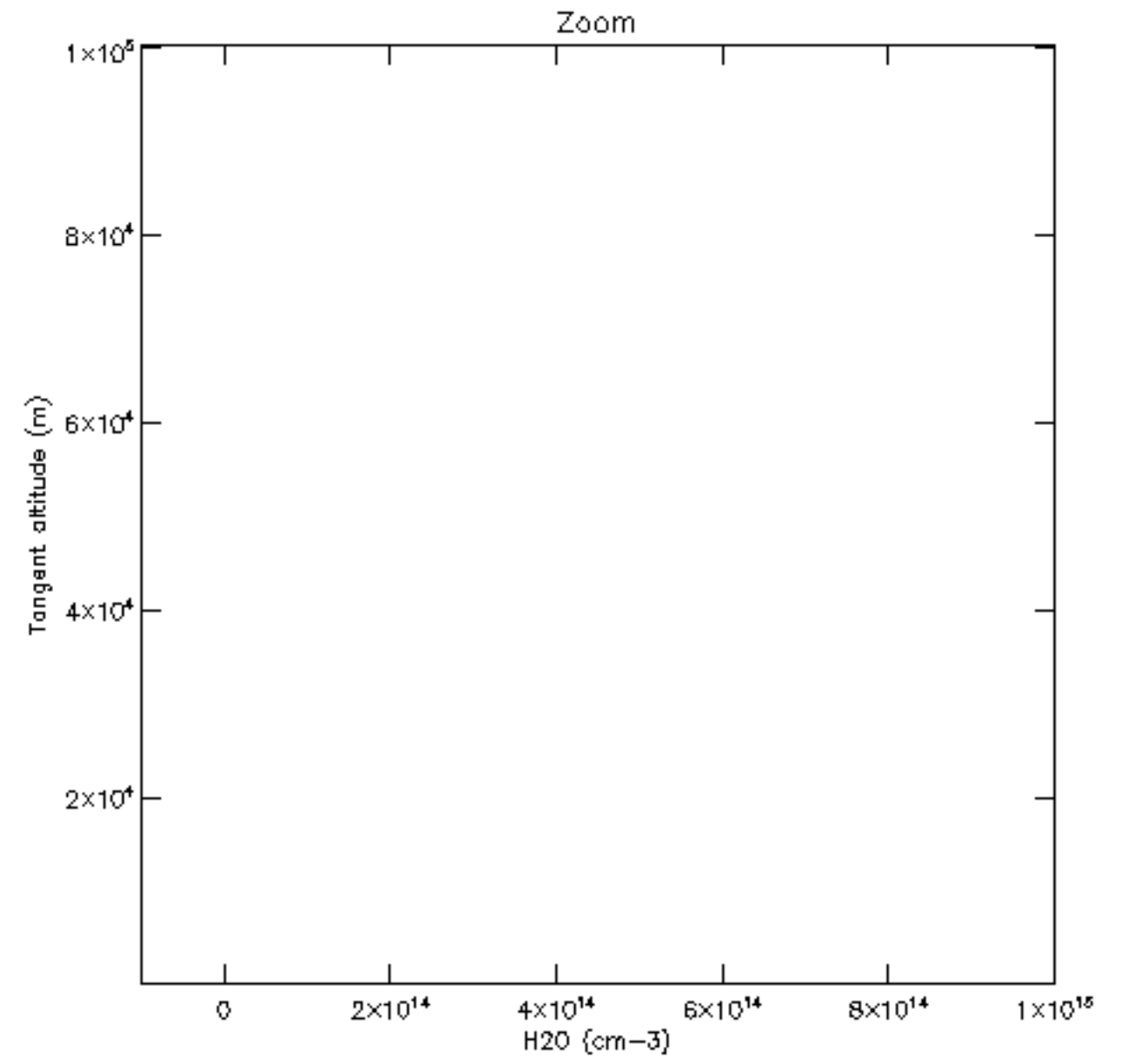
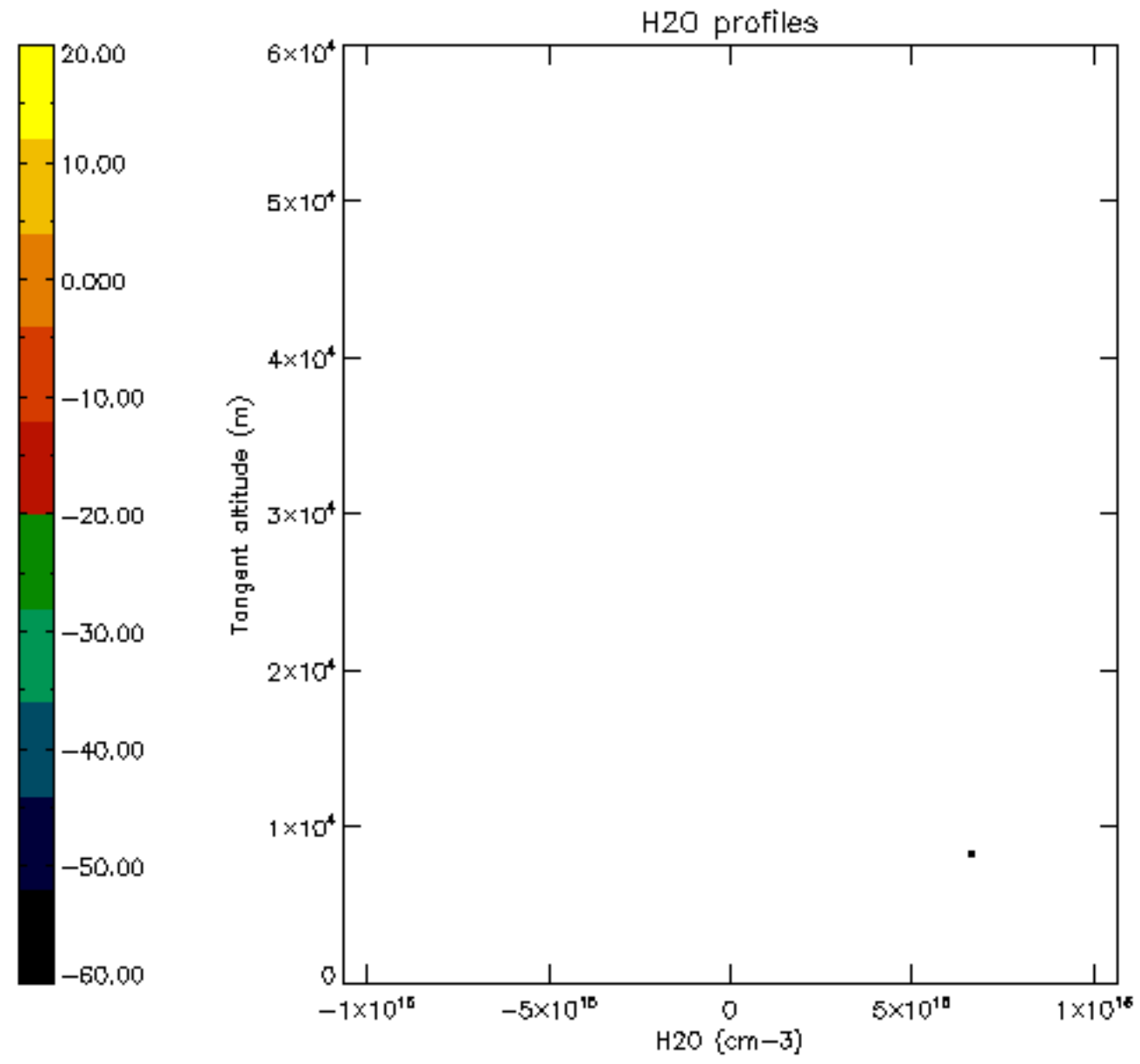


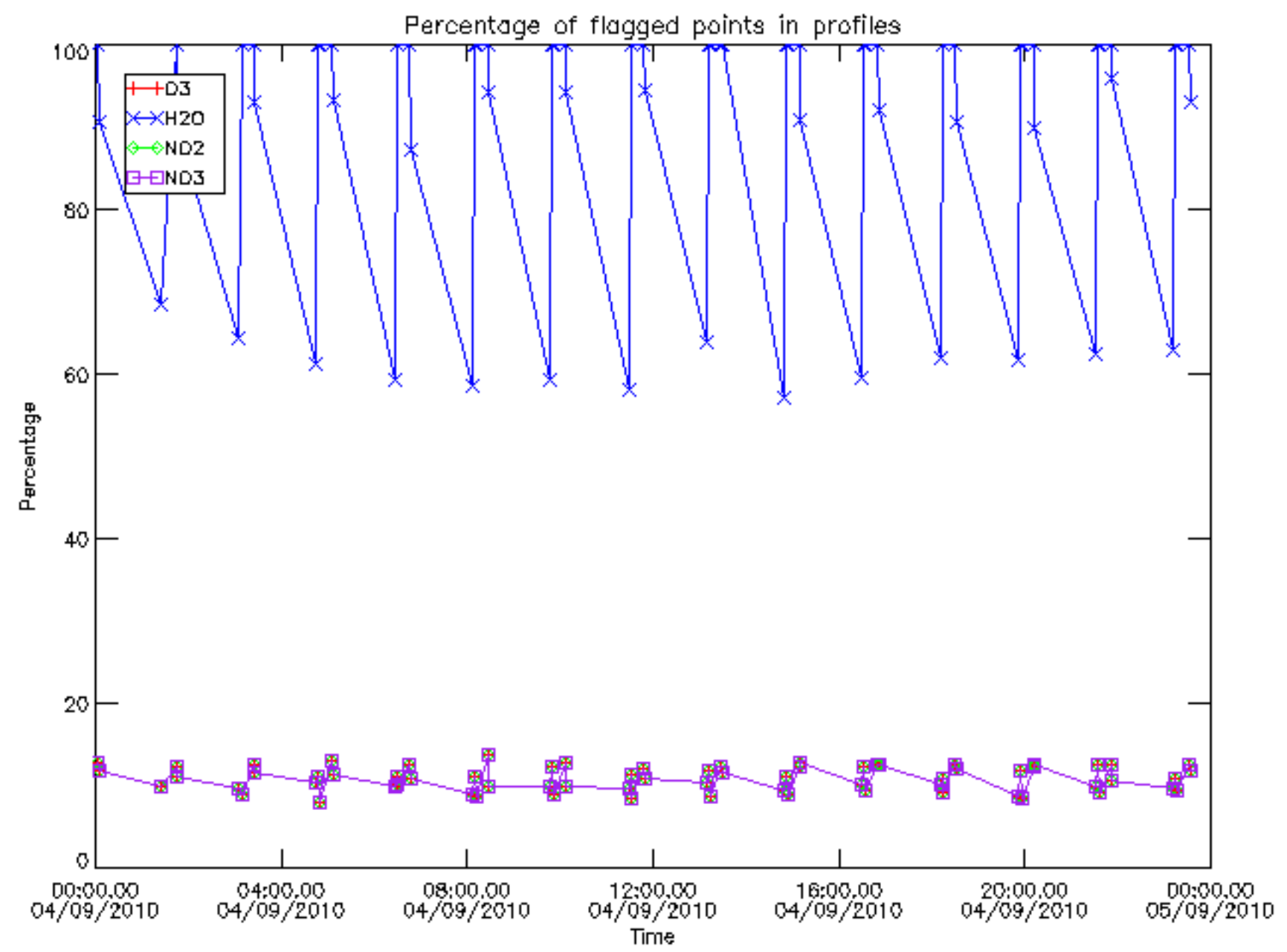




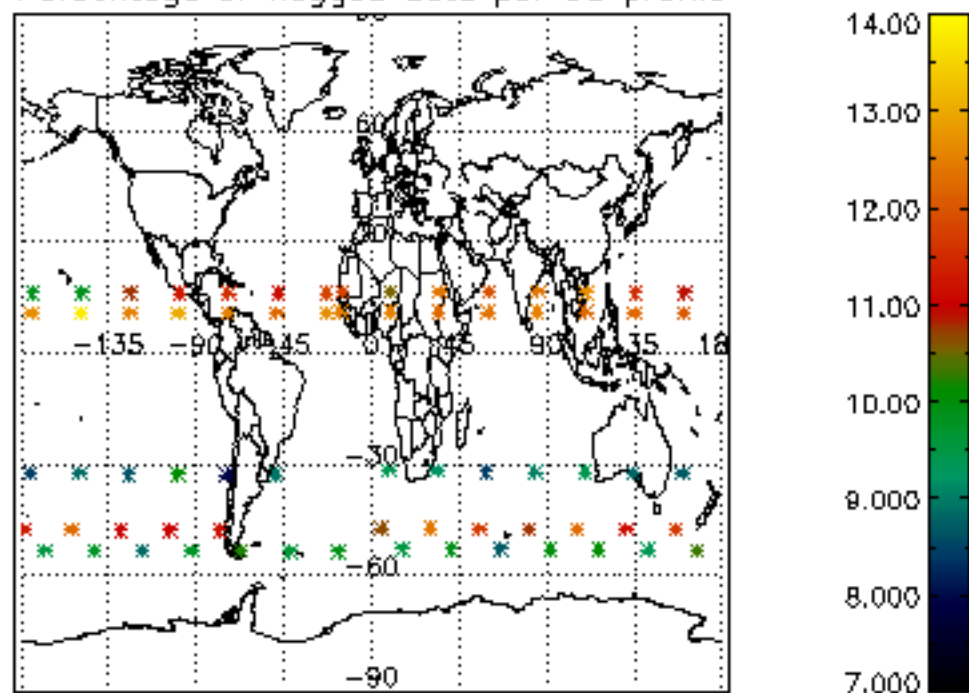




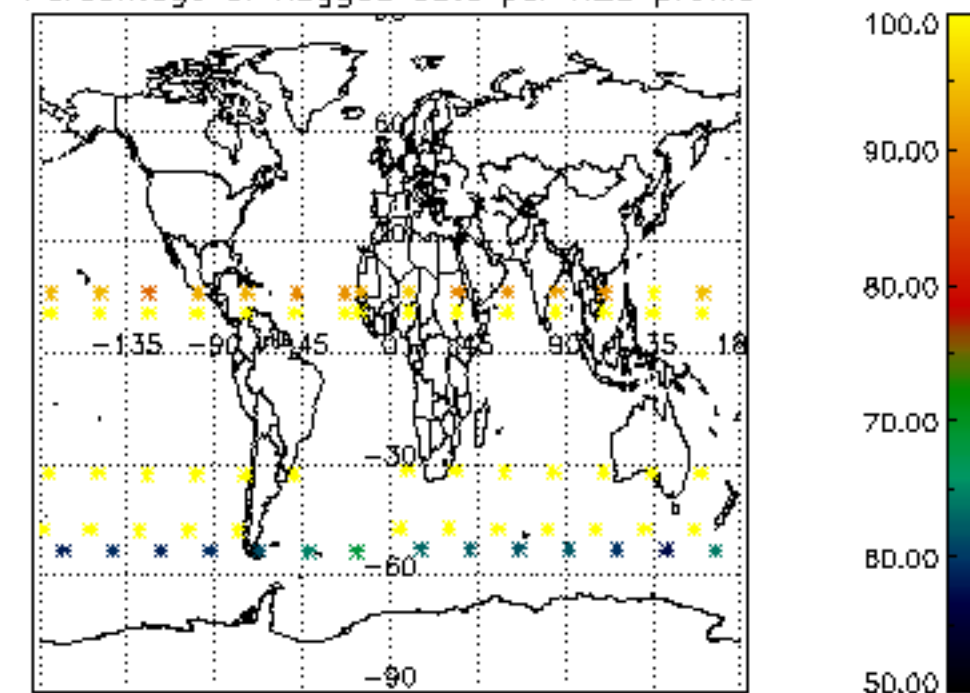




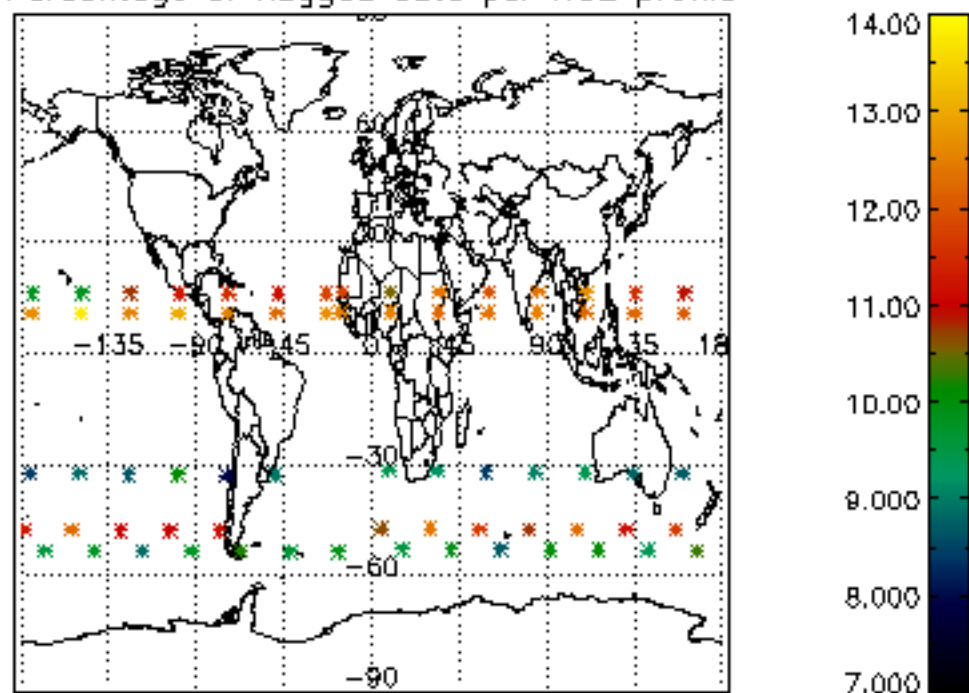
Percentage of flagged data per D3 profile



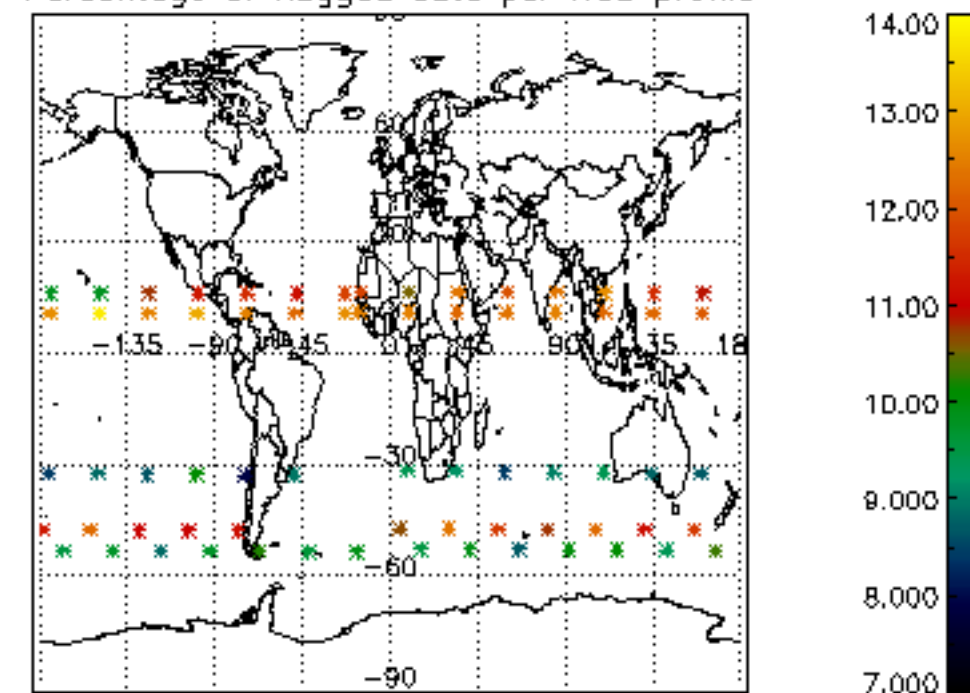
Percentage of flagged data per H2O profile

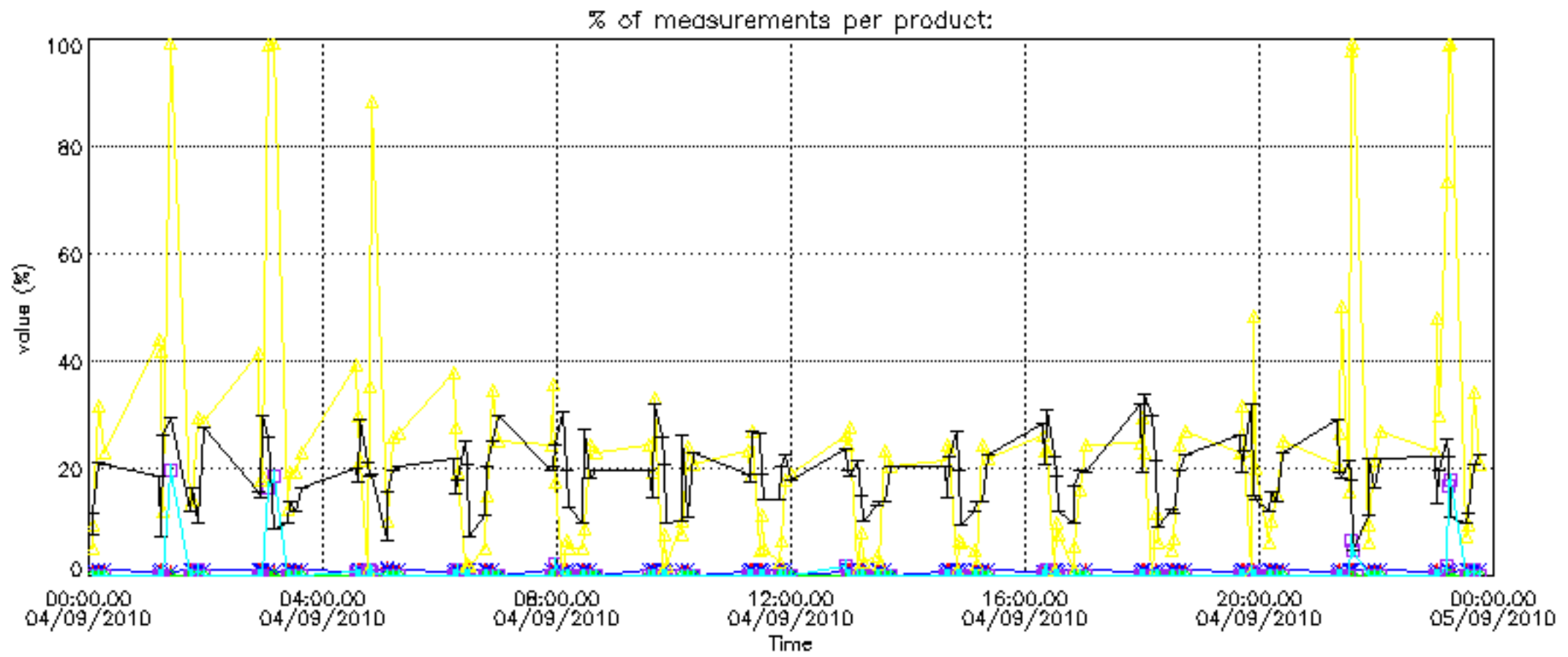


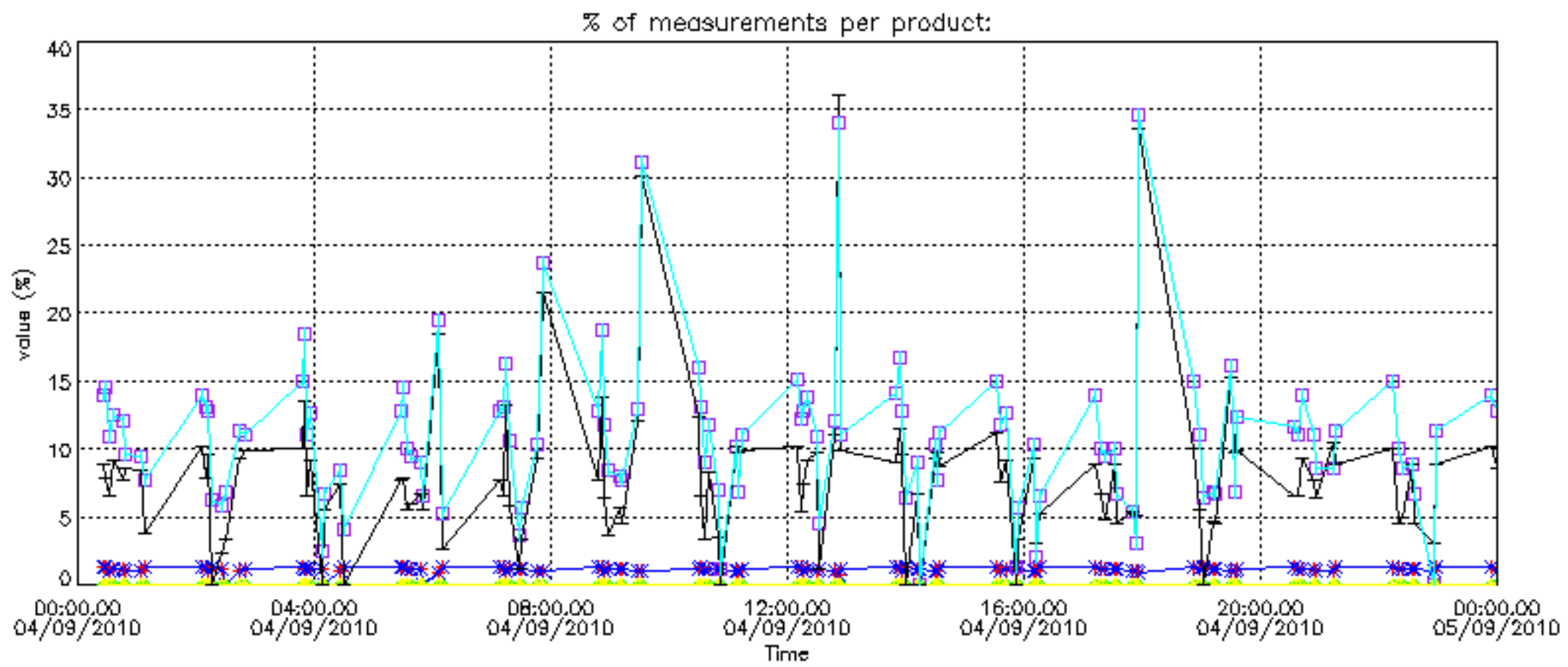
Percentage of flagged data per NO2 profile



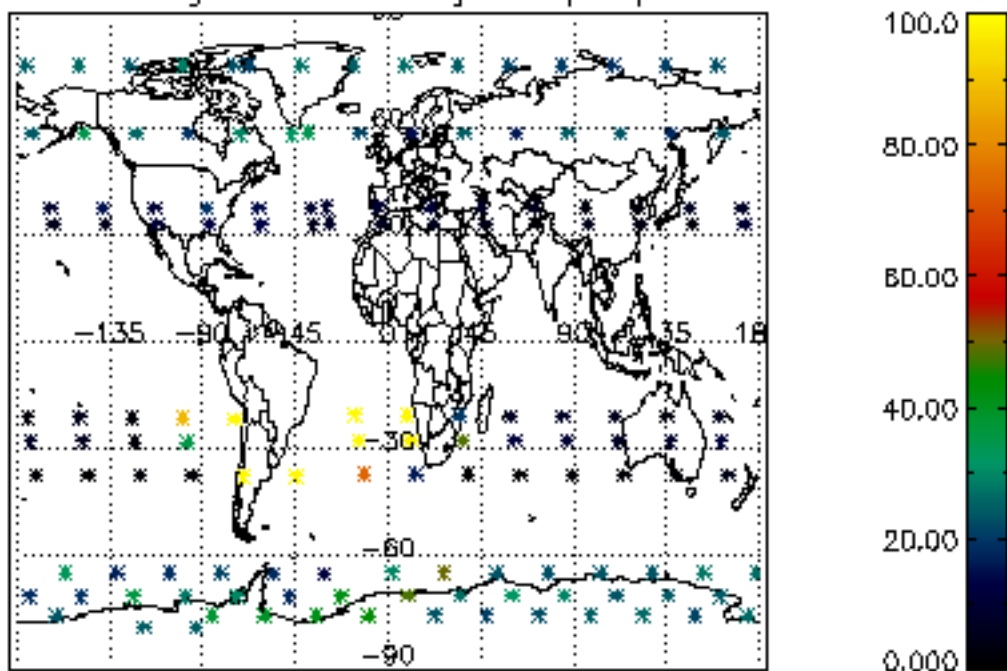
Percentage of flagged data per NO3 profile



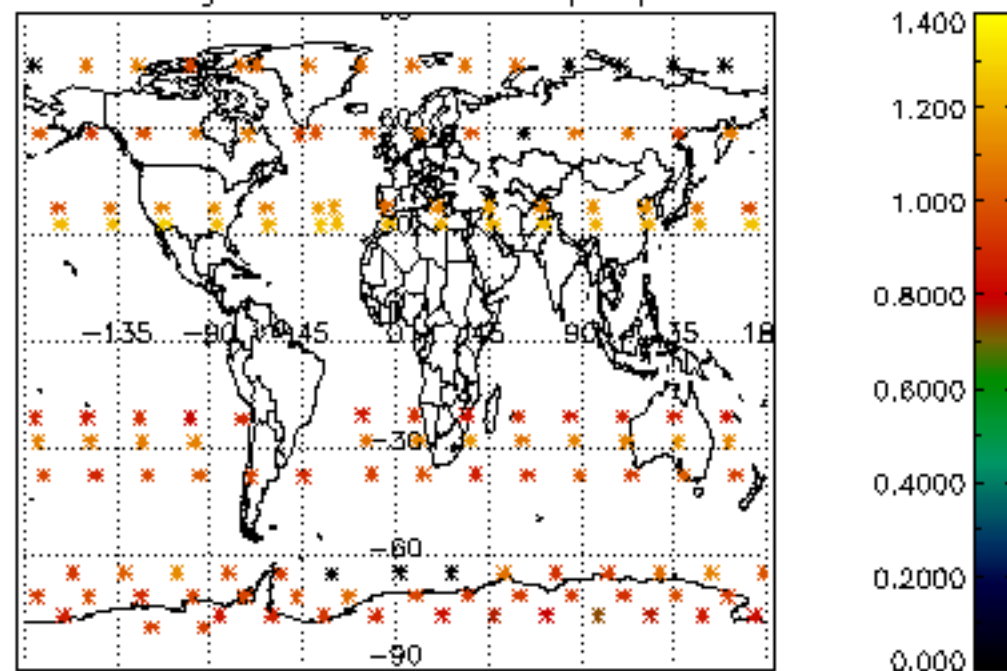




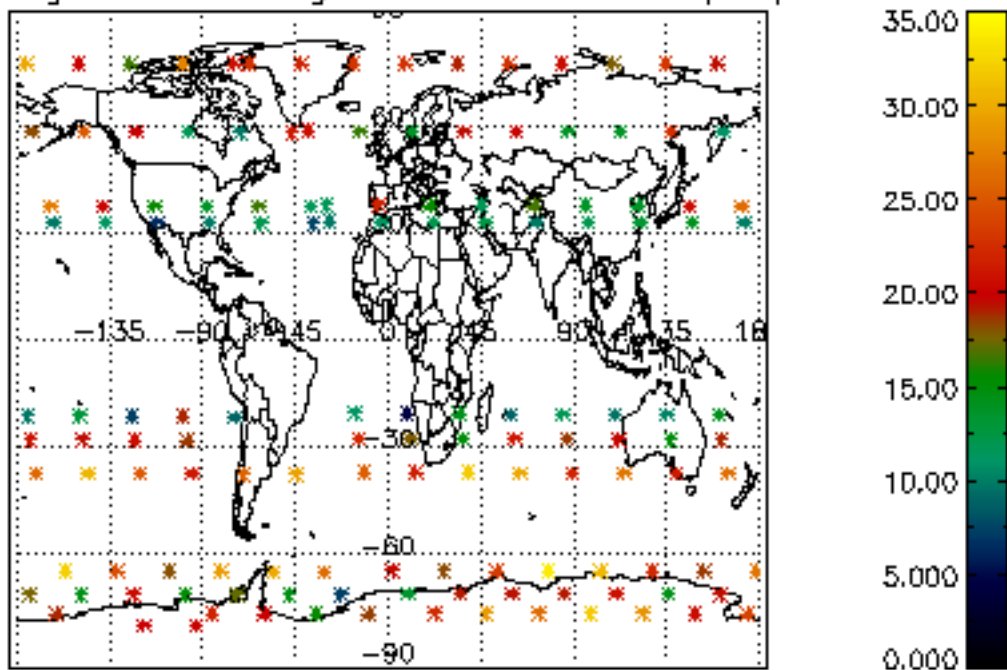
Percentage of cosmic ray hits per profile



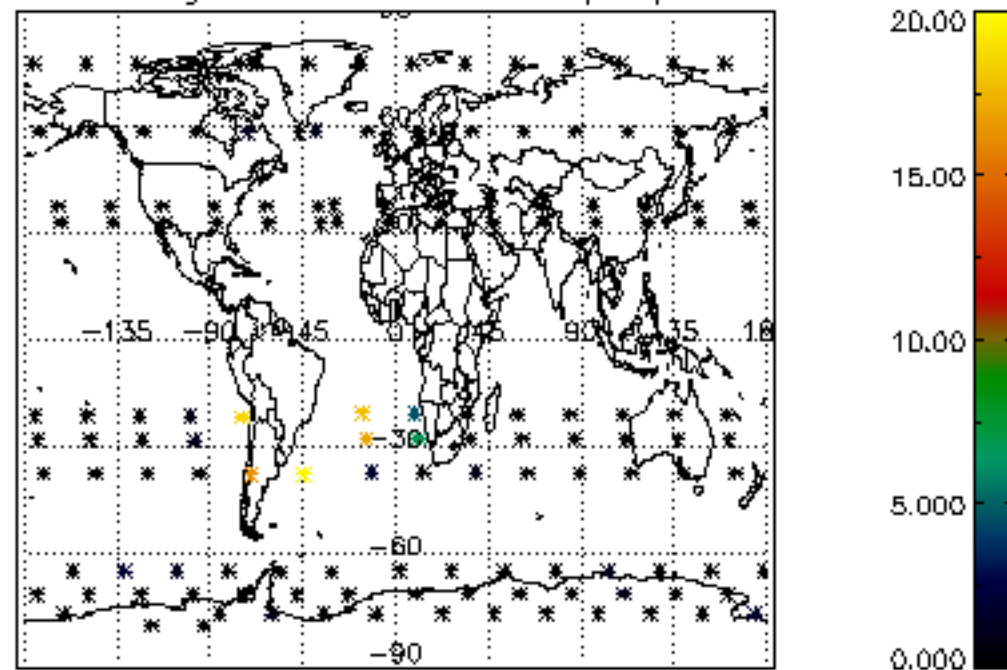
Percentage of datation errors per profile



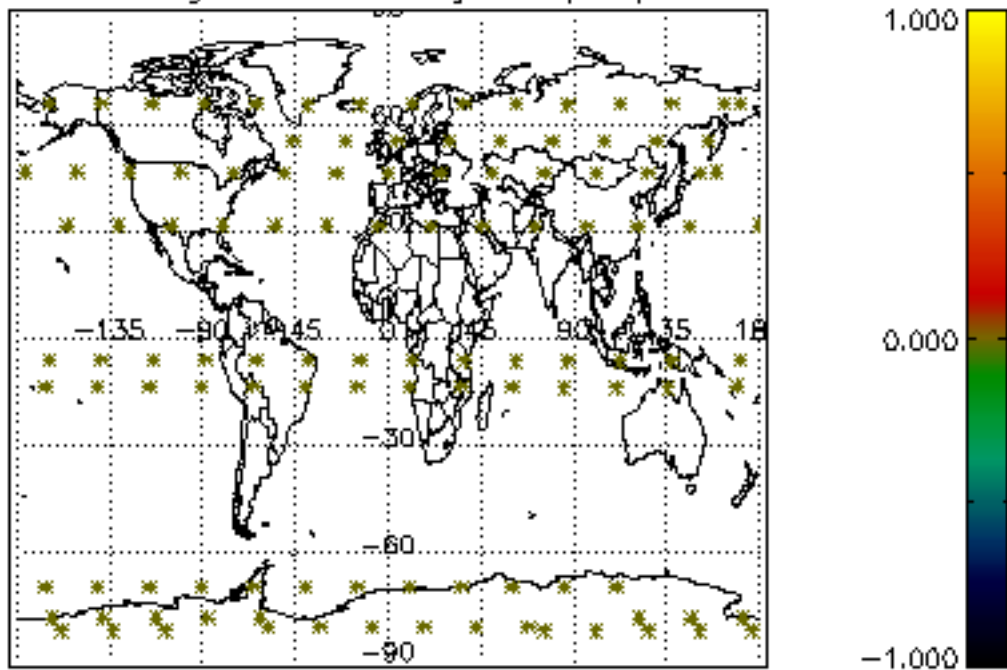
Percentage of star falling outside central band per profile



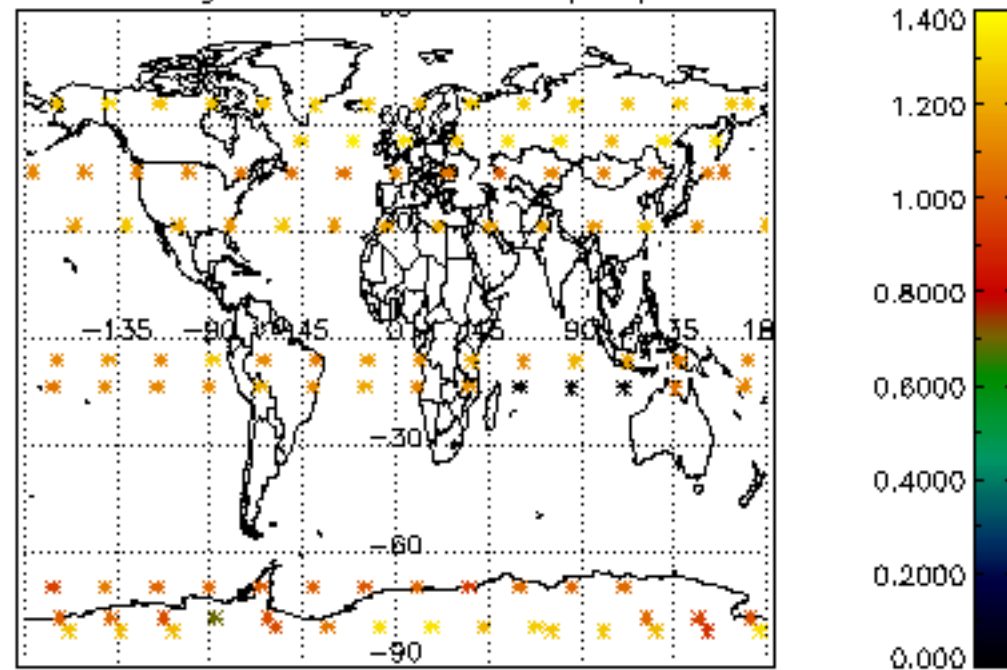
Percentage of saturation errors per profile



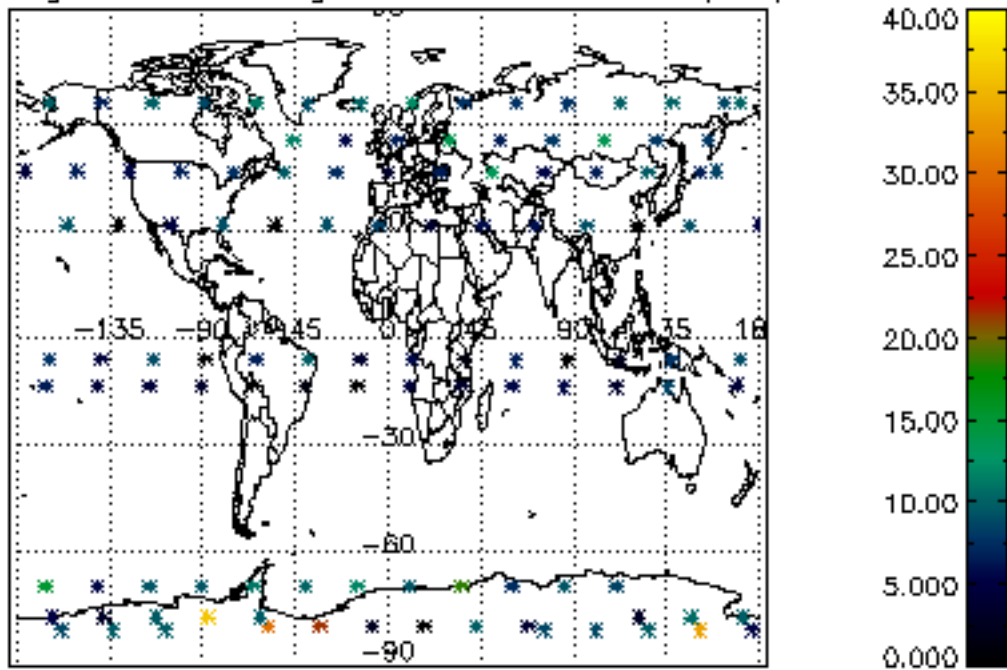
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

