

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 10:13:40 |
| Data source version | GOMOS/6.01 |
| Start time of products | 17-06-2009 (17JUN2009 00:00:00) |
| Stop time of products | 18-06-2009 (18JUN2009 00:00:00) |
| Store outputs in DB | Yes |
| Nb of level 2 prods | 226 |
| 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__2PRFIN20090617_000630_000000322080_00016_38146_3738.N1 | 17-JUN-2009 00:06:30 | Twi_and_stray | 31.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 63 | 38146 | No |
| 2 | GOM_NL__2PRFIN20090617_001301_000000272080_00016_38146_3739.N1 | 17-JUN-2009 00:13:01 | Twi_and_stray | 26.500 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 53 | 38146 | No |
| 3 | GOM_NL__2PRFIN20090617_001426_000000262080_00016_38146_3740.N1 | 17-JUN-2009 00:14:26 | Twi_and_stray | 25.500 | 68 | 18Alp Cas | 2.2250 | 4500.0 | 51 | 38146 | No |
| 4 | GOM_NL__2PRFIN20090617_002201_000000262080_00016_38146_3741.N1 | 17-JUN-2009 00:22:01 | Twi_and_stray | 25.500 | 53 | 43Bet And | 2.0480 | 3300.0 | 51 | 38146 | No |
| 5 | GOM_NL__2PRFIN20090617_004130_000000352080_00016_38146_3742.N1 | 17-JUN-2009 00:41:30 | Dark | 34.500 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 69 | 38146 | No |
| 6 | GOM_NL__2PRFIN20090617_005355_000000342080_00017_38147_3743.N1 | 17-JUN-2009 00:53:55 | Dark | 34.000 | 63 | Bet Gru | 2.1500 | 2800.0 | 68 | 38147 | No |
| 7 | GOM_NL__2PRFIN20090617_005558_000000352080_00017_38147_3744.N1 | 17-JUN-2009 00:55:58 | Dark | 34.500 | 31 | Alp Gru | 1.7340 | 15200. | 69 | 38147 | No |
| 8 | GOM_NL__2PRFIN20090617_005759_000000422080_00017_38147_3745.N1 | 17-JUN-2009 00:57:59 | Straylight | 42.000 | 172 | Gam Gru | 3.0030 | 13100. | 84 | 38147 | No |
| 9 | GOM_NL__2PRFIN20090617_010949_000000332080_00017_38147_3746.N1 | 17-JUN-2009 01:09:49 | Twi_and_stray | 32.500 | 103 | 38Zet Sgr | 2.6000 | 9700.0 | 65 | 38147 | No |
| 10 | GOM_NL__2PRFIN20090617_011115_000000332080_00017_38147_3747.N1 | 17-JUN-2009 01:11:15 | Twi_and_stray | 33.000 | 57 | 34Sig Sgr | 2.0660 | 26000. | 66 | 38147 | No |
| 11 | GOM_NL__2PRFIN20090617_011301_000000372080_00017_38147_3748.N1 | 17-JUN-2009 01:13:01 | Twi_and_stray | 37.000 | 155 | 41Pi Sgr | 2.9000 | 6600.0 | 74 | 38147 | No |
| 12 | GOM_NL__2PRFIN20090617_012228_000000312080_00017_38147_3749.N1 | 17-JUN-2009 01:22:28 | Bright | 31.000 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 62 | 38147 | No |
| 13 | GOM_NL__2PRFIN20090617_012458_000000312080_00017_38147_3750.N1 | 17-JUN-2009 01:24:58 | Bright | 31.000 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 62 | 38147 | No |
| 14 | GOM_NL__2PRFIN20090617_013530_000000372080_00017_38147_3751.N1 | 17-JUN-2009 01:35:30 | Bright | 37.000 | 5 | 3Alp Lyr | 0.033000 | 11000. | 74 | 38147 | No |
| 15 | GOM_NL__2PRFIN20090617_013714_000000312080_00017_38147_3752.N1 | 17-JUN-2009 01:37:14 | Bright | 30.500 | 69 | 33Gam Dra | 2.2310 | 3800.0 | 61 | 38147 | No |
| 16 | GOM_NL__2PRFIN20090617_014705_000000322080_00017_38147_3753.N1 | 17-JUN-2009 01:47:05 | Twi_and_stray | 31.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 63 | 38147 | No |
| 17 | GOM_NL__2PRFIN20090617_015337_000000272080_00017_38147_3754.N1 | 17-JUN-2009 01:53:37 | Twi_and_stray | 26.500 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 53 | 38147 | No |
| 18 | GOM_NL__2PRFIN20090617_015501_000000262080_00017_38147_3755.N1 | 17-JUN-2009 01:55:01 | Twi_and_stray | 25.500 | 68 | 18Alp Cas | 2.2250 | 4500.0 | 51 | 38147 | No |
| 19 | GOM_NL__2PRFIN20090617_020237_000000262080_00017_38147_3756.N1 | 17-JUN-2009 02:02:37 | Twi_and_stray | 25.500 | 53 | 43Bet And | 2.0480 | 3300.0 | 51 | 38147 | No |
| 20 | GOM_NL__2PRFIN20090617_022207_000000352080_00017_38147_3757.N1 | 17-JUN-2009 02:22:07 | Dark | 34.500 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 69 | 38147 | No |
| 21 | GOM_NL__2PRFIN20090617_023432_000000352080_00018_38148_3754.N1 | 17-JUN-2009 02:34:32 | Dark | 34.500 | 63 | Bet Gru | 2.1500 | 2800.0 | 69 | 38148 | No |
| 22 | GOM_NL__2PRFIN20090617_023635_000000352080_00018_38148_3755.N1 | 17-JUN-2009 02:36:35 | Dark | 35.000 | 31 | Alp Gru | 1.7340 | 15200. | 70 | 38148 | No |
| 23 | GOM_NL__2PRFIN20090617_023836_000000432080_00018_38148_3756.N1 | 17-JUN-2009 02:38:36 | Straylight | 42.500 | 172 | Gam Gru | 3.0030 | 13100. | 85 | 38148 | No |
| 24 | GOM_NL__2PRFIN20090617_025025_000000332080_00018_38148_3757.N1 | 17-JUN-2009 02:50:25 | Twi_and_stray | 33.000 | 103 | 38Zet Sgr | 2.6000 | 9700.0 | 66 | 38148 | No |
| 25 | GOM_NL__2PRFIN20090617_025151_000000342080_00018_38148_3758.N1 | 17-JUN-2009 02:51:51 | Twi_and_stray | 33.500 | 57 | 34Sig Sgr | 2.0660 | 26000. | 67 | 38148 | No |
| 26 | GOM_NL__2PRFIN20090617_025337_000000372080_00018_38148_3759.N1 | 17-JUN-2009 02:53:37 | Twi_and_stray | 37.000 | 155 | 41Pi Sgr | 2.9000 | 6600.0 | 74 | 38148 | No |
| 27 | GOM_NL__2PRFIN20090617_030304_000000312080_00018_38148_3760.N1 | 17-JUN-2009 03:03:04 | Bright | 31.000 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 62 | 38148 | No |
| 28 | GOM_NL__2PRFIN20090617_030534_000000312080_00018_38148_3761.N1 | 17-JUN-2009 03:05:34 | Bright | 30.500 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 61 | 38148 | No |
| 29 | GOM_NL__2PRFIN20090617_031605_000000372080_00018_38148_3762.N1 | 17-JUN-2009 03:16:05 | Bright | 37.000 | 5 | 3Alp Lyr | 0.033000 | 11000. | 74 | 38148 | No |
| 30 | GOM_NL__2PRFIN20090617_031749_000000312080_00018_38148_3763.N1 | 17-JUN-2009 03:17:49 | Bright | 30.500 | 69 | 33Gam Dra | 2.2310 | 3800.0 | 61 | 38148 | No |
| 31 | GOM_NL__2PRFIN20090617_032740_000000312080_00018_38148_3764.N1 | 17-JUN-2009 03:27:40 | Twi_and_stray | 31.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 62 | 38148 | No |
| 32 | GOM_NL__2PRFIN20090617_033412_000000272080_00018_38148_3765.N1 | 17-JUN-2009 03:34:12 | Twi_and_stray | 27.000 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 54 | 38148 | No |
| 33 | GOM_NL__2PRFIN20090617_033537_000000262080_00018_38148_3766.N1 | 17-JUN-2009 03:35:37 | Twi_and_stray | 26.000 | 68 | 18Alp Cas | 2.2250 | 4500.0 | 52 | 38148 | No |
| 34 | GOM_NL__2PRFIN20090617_034313_000000262080_00018_38148_3767.N1 | 17-JUN-2009 03:43:13 | Twi_and_stray | 26.000 | 53 | 43Bet And | 2.0480 | 3300.0 | 52 | 38148 | No |
| 35 | GOM_NL__2PRFIN20090617_034748_000000242080_00018_38148_3768.N1 | 17-JUN-2009 03:47:48 | Dark | 23.500 | 105 | 6Bet Ari | 2.6450 | 8900.0 | 47 | 38148 | No |
| 36 | GOM_NL__2PRFIN20090617_040244_000000352080_00018_38148_3769.N1 | 17-JUN-2009 04:02:44 | Dark | 34.500 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 69 | 38148 | No |
| 37 | GOM_NL__2PRFIN20090617_041509_000000352080_00019_38149_3767.N1 | 17-JUN-2009 04:15:09 | Dark | 34.500 | 63 | Bet Gru | 2.1500 | 2800.0 | 69 | 38149 | No |
| 38 | GOM_NL__2PRFIN20090617_041712_000000352080_00019_38149_3768.N1 | 17-JUN-2009 04:17:12 | Straylight | 35.000 | 31 | Alp Gru | 1.7340 | 15200. | 70 | 38149 | No |
| 39 | GOM_NL__2PRFIN20090617_041914_000000432080_00019_38149_3769.N1 | 17-JUN-2009 04:19:14 | Straylight | 42.500 | 172 | Gam Gru | 3.0030 | 13100. | 85 | 38149 | No |
| 40 | GOM_NL__2PRFIN20090617_043101_000000332080_00019_38149_3770.N1 | 17-JUN-2009 04:31:01 | Twi_and_stray | 33.000 | 103 | 38Zet Sgr | 2.6000 | 9700.0 | 66 | 38149 | No |
| 41 | GOM_NL__2PRFIN20090617_043228_000000332080_00019_38149_3771.N1 | 17-JUN-2009 04:32:28 | Twi_and_stray | 33.000 | 57 | 34Sig Sgr | 2.0660 | 26000. | 66 | 38149 | No |
| 42 | GOM_NL__2PRFIN20090617_043413_000000382080_00019_38149_3772.N1 | 17-JUN-2009 04:34:13 | Twi_and_stray | 37.500 | 155 | 41Pi Sgr | 2.9000 | 6600.0 | 75 | 38149 | No |

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|-----|--|----------------------|----------------|--------|-----|-----------|----------|--------|----|-------|----|
| 43 | GOM_NL__2PRFIN20090617_044340_000000312080_00019_38149_3773.N1 | 17-JUN-2009 04:43:40 | Bright | 31.000 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 62 | 38149 | No |
| 44 | GOM_NL__2PRFIN20090617_044609_000000312080_00019_38149_3774.N1 | 17-JUN-2009 04:46:09 | Bright | 30.500 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 61 | 38149 | No |
| 45 | GOM_NL__2PRFIN20090617_045641_000000372080_00019_38149_3775.N1 | 17-JUN-2009 04:56:41 | Bright | 37.000 | 5 | 3Alp Lyr | 0.033000 | 11000. | 74 | 38149 | No |
| 46 | GOM_NL__2PRFIN20090617_045824_000000312080_00019_38149_3776.N1 | 17-JUN-2009 04:58:24 | Bright | 30.500 | 69 | 33Gam Dra | 2.2310 | 3800.0 | 61 | 38149 | No |
| 47 | GOM_NL__2PRFIN20090617_050816_000000312080_00019_38149_3777.N1 | 17-JUN-2009 05:08:16 | Tw_i_and_stray | 31.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 62 | 38149 | No |
| 48 | GOM_NL__2PRFIN20090617_051448_000000272080_00019_38149_3778.N1 | 17-JUN-2009 05:14:48 | Tw_i_and_stray | 27.000 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 54 | 38149 | No |
| 49 | GOM_NL__2PRFIN20090617_051613_000000262080_00019_38149_3779.N1 | 17-JUN-2009 05:16:13 | Tw_i_and_stray | 25.500 | 68 | 18Alp Cas | 2.2250 | 4500.0 | 51 | 38149 | No |
| 50 | GOM_NL__2PRFIN20090617_052349_000000272080_00019_38149_3780.N1 | 17-JUN-2009 05:23:49 | Tw_i_and_stray | 26.500 | 53 | 43Bet And | 2.0480 | 3300.0 | 53 | 38149 | No |
| 51 | GOM_NL__2PRFIN20090617_052824_000000242080_00019_38149_3781.N1 | 17-JUN-2009 05:28:24 | Dark | 23.500 | 105 | 6Bet Ari | 2.6450 | 8900.0 | 47 | 38149 | No |
| 52 | GOM_NL__2PRFIN20090617_054321_000000352080_00019_38149_3782.N1 | 17-JUN-2009 05:43:21 | Dark | 35.000 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 70 | 38149 | No |
| 53 | GOM_NL__2PRFIN20090617_055546_000000352080_00020_38150_3786.N1 | 17-JUN-2009 05:55:46 | Dark | 34.500 | 63 | Bet Gru | 2.1500 | 2800.0 | 69 | 38150 | No |
| 54 | GOM_NL__2PRFIN20090617_055749_000000352080_00020_38150_3787.N1 | 17-JUN-2009 05:57:49 | Straylight | 34.500 | 31 | Alp Gru | 1.7340 | 15200. | 69 | 38150 | No |
| 55 | GOM_NL__2PRFIN20090617_055951_000000432080_00020_38150_3788.N1 | 17-JUN-2009 05:59:51 | Straylight | 42.500 | 172 | Gam Gru | 3.0030 | 13100. | 85 | 38150 | No |
| 56 | GOM_NL__2PRFIN20090617_061138_000000332080_00020_38150_3789.N1 | 17-JUN-2009 06:11:38 | Tw_i_and_stray | 33.000 | 103 | 38Zet Sgr | 2.6000 | 9700.0 | 66 | 38150 | No |
| 57 | GOM_NL__2PRFIN20090617_061304_000000342080_00020_38150_3790.N1 | 17-JUN-2009 06:13:04 | Tw_i_and_stray | 33.500 | 57 | 34Sig Sgr | 2.0660 | 26000. | 67 | 38150 | No |
| 58 | GOM_NL__2PRFIN20090617_061450_000000372080_00020_38150_3791.N1 | 17-JUN-2009 06:14:50 | Tw_i_and_stray | 37.000 | 155 | 41Pi Sgr | 2.9000 | 6600.0 | 74 | 38150 | No |
| 59 | GOM_NL__2PRFIN20090617_062416_000000312080_00020_38150_3792.N1 | 17-JUN-2009 06:24:16 | Bright | 30.500 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 61 | 38150 | No |
| 60 | GOM_NL__2PRFIN20090617_062645_000000312080_00020_38150_3793.N1 | 17-JUN-2009 06:26:45 | Bright | 31.000 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 62 | 38150 | No |
| 61 | GOM_NL__2PRFIN20090617_063716_000000372080_00020_38150_3794.N1 | 17-JUN-2009 06:37:16 | Bright | 37.000 | 5 | 3Alp Lyr | 0.033000 | 11000. | 74 | 38150 | No |
| 62 | GOM_NL__2PRFIN20090617_063900_000000312080_00020_38150_3795.N1 | 17-JUN-2009 06:39:00 | Bright | 30.500 | 69 | 33Gam Dra | 2.2310 | 3800.0 | 61 | 38150 | No |
| 63 | GOM_NL__2PRFIN20090617_064851_000000312080_00020_38150_3796.N1 | 17-JUN-2009 06:48:51 | Tw_i_and_stray | 31.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 62 | 38150 | No |
| 64 | GOM_NL__2PRFIN20090617_065524_000000272080_00020_38150_3797.N1 | 17-JUN-2009 06:55:24 | Tw_i_and_stray | 27.000 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 54 | 38150 | No |
| 65 | GOM_NL__2PRFIN20090617_065648_000000262080_00020_38150_3798.N1 | 17-JUN-2009 06:56:48 | Tw_i_and_stray | 26.000 | 68 | 18Alp Cas | 2.2250 | 4500.0 | 52 | 38150 | No |
| 66 | GOM_NL__2PRFIN20090617_070425_000000262080_00020_38150_3799.N1 | 17-JUN-2009 07:04:25 | Tw_i_and_stray | 26.000 | 53 | 43Bet And | 2.0480 | 3300.0 | 52 | 38150 | No |
| 67 | GOM_NL__2PRFIN20090617_070900_000000242080_00020_38150_3800.N1 | 17-JUN-2009 07:09:00 | Dark | 23.500 | 105 | 6Bet Ari | 2.6450 | 8900.0 | 47 | 38150 | No |
| 68 | GOM_NL__2PRFIN20090617_072358_000000352080_00020_38150_3801.N1 | 17-JUN-2009 07:23:58 | Dark | 34.500 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 69 | 38150 | No |
| 69 | GOM_NL__2PRFIN20090617_073623_000000342080_00021_38151_3800.N1 | 17-JUN-2009 07:36:23 | Dark | 34.000 | 63 | Bet Gru | 2.1500 | 2800.0 | 68 | 38151 | No |
| 70 | GOM_NL__2PRFIN20090617_073826_000000352080_00021_38151_3801.N1 | 17-JUN-2009 07:38:26 | Straylight | 34.500 | 31 | Alp Gru | 1.7340 | 15200. | 69 | 38151 | No |
| 71 | GOM_NL__2PRFIN20090617_074029_000000432080_00021_38151_3802.N1 | 17-JUN-2009 07:40:29 | Straylight | 42.500 | 172 | Gam Gru | 3.0030 | 13100. | 85 | 38151 | No |
| 72 | GOM_NL__2PRFIN20090617_075214_000000332080_00021_38151_3803.N1 | 17-JUN-2009 07:52:14 | Tw_i_and_stray | 33.000 | 103 | 38Zet Sgr | 2.6000 | 9700.0 | 66 | 38151 | No |
| 73 | GOM_NL__2PRFIN20090617_075340_000000342080_00021_38151_3804.N1 | 17-JUN-2009 07:53:40 | Tw_i_and_stray | 33.500 | 57 | 34Sig Sgr | 2.0660 | 26000. | 67 | 38151 | No |
| 74 | GOM_NL__2PRFIN20090617_075526_000000372080_00021_38151_3805.N1 | 17-JUN-2009 07:55:26 | Tw_i_and_stray | 36.500 | 155 | 41Pi Sgr | 2.9000 | 6600.0 | 73 | 38151 | No |
| 75 | GOM_NL__2PRFIN20090617_080451_000000312080_00021_38151_3806.N1 | 17-JUN-2009 08:04:51 | Bright | 31.000 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 62 | 38151 | No |
| 76 | GOM_NL__2PRFIN20090617_080721_000000312080_00021_38151_3807.N1 | 17-JUN-2009 08:07:21 | Bright | 30.500 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 61 | 38151 | No |
| 77 | GOM_NL__2PRFIN20090617_081751_000000372080_00021_38151_3808.N1 | 17-JUN-2009 08:17:51 | Bright | 37.000 | 5 | 3Alp Lyr | 0.033000 | 11000. | 74 | 38151 | No |
| 78 | GOM_NL__2PRFIN20090617_081935_000000312080_00021_38151_3809.N1 | 17-JUN-2009 08:19:35 | Bright | 30.500 | 69 | 33Gam Dra | 2.2310 | 3800.0 | 61 | 38151 | No |
| 79 | GOM_NL__2PRFIN20090617_082927_000000322080_00021_38151_3810.N1 | 17-JUN-2009 08:29:27 | Tw_i_and_stray | 31.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 63 | 38151 | No |
| 80 | GOM_NL__2PRFIN20090617_083559_000000272080_00021_38151_3811.N1 | 17-JUN-2009 08:35:59 | Tw_i_and_stray | 27.000 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 54 | 38151 | No |
| 81 | GOM_NL__2PRFIN20090617_083724_000000262080_00021_38151_3812.N1 | 17-JUN-2009 08:37:24 | Tw_i_and_stray | 26.000 | 68 | 18Alp Cas | 2.2250 | 4500.0 | 52 | 38151 | No |
| 82 | GOM_NL__2PRFIN20090617_084501_000000272080_00021_38151_3813.N1 | 17-JUN-2009 08:45:01 | Tw_i_and_stray | 26.500 | 53 | 43Bet And | 2.0480 | 3300.0 | 53 | 38151 | No |
| 83 | GOM_NL__2PRFIN20090617_084936_000000242080_00021_38151_3814.N1 | 17-JUN-2009 08:49:36 | Dark | 23.500 | 105 | 6Bet Ari | 2.6450 | 8900.0 | 47 | 38151 | No |
| 84 | GOM_NL__2PRFIN20090617_090435_000000352080_00021_38151_3815.N1 | 17-JUN-2009 09:04:35 | Dark | 34.500 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 69 | 38151 | No |
| 85 | GOM_NL__2PRFIN20090617_091700_000000342080_00022_38152_3814.N1 | 17-JUN-2009 09:17:00 | Dark | 34.000 | 63 | Bet Gru | 2.1500 | 2800.0 | 68 | 38152 | No |
| 86 | GOM_NL__2PRFIN20090617_091903_000000352080_00022_38152_3815.N1 | 17-JUN-2009 09:19:03 | Straylight | 34.500 | 31 | Alp Gru | 1.7340 | 15200. | 69 | 38152 | No |
| 87 | GOM_NL__2PRFIN20090617_092106_000000432080_00022_38152_3816.N1 | 17-JUN-2009 09:21:06 | Straylight | 42.500 | 172 | Gam Gru | 3.0030 | 13100. | 85 | 38152 | No |
| 88 | GOM_NL__2PRFIN20090617_093250_000000332080_00022_38152_3817.N1 | 17-JUN-2009 09:32:50 | Tw_i_and_stray | 33.000 | 103 | 38Zet Sgr | 2.6000 | 9700.0 | 66 | 38152 | No |
| 89 | GOM_NL__2PRFIN20090617_093417_000000332080_00022_38152_3818.N1 | 17-JUN-2009 09:34:17 | Tw_i_and_stray | 33.000 | 57 | 34Sig Sgr | 2.0660 | 26000. | 66 | 38152 | No |
| 90 | GOM_NL__2PRFIN20090617_093602_000000362080_00022_38152_3819.N1 | 17-JUN-2009 09:36:02 | Tw_i_and_stray | 36.000 | 155 | 41Pi Sgr | 2.9000 | 6600.0 | 72 | 38152 | No |
| 91 | GOM_NL__2PRFIN20090617_094527_000000312080_00022_38152_3820.N1 | 17-JUN-2009 09:45:27 | Bright | 30.500 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 61 | 38152 | No |
| 92 | GOM_NL__2PRFIN20090617_094756_000000312080_00022_38152_3821.N1 | 17-JUN-2009 09:47:56 | Bright | 30.500 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 61 | 38152 | No |
| 93 | GOM_NL__2PRFIN20090617_095826_000000372080_00022_38152_3822.N1 | 17-JUN-2009 09:58:26 | Bright | 36.500 | 5 | 3Alp Lyr | 0.033000 | 11000. | 73 | 38152 | No |
| 94 | GOM_NL__2PRFIN20090617_100011_000000302080_00022_38152_3823.N1 | 17-JUN-2009 10:00:11 | Bright | 30.000 | 69 | 33Gam Dra | 2.2310 | 3800.0 | 60 | 38152 | No |
| 95 | GOM_NL__2PRFIN20090617_101001_000000322080_00022_38152_3824.N1 | 17-JUN-2009 10:10:01 | Tw_i_and_stray | 31.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 63 | 38152 | No |
| 96 | GOM_NL__2PRFIN20090617_101635_000000272080_00022_38152_3825.N1 | 17-JUN-2009 10:16:35 | Tw_i_and_stray | 27.000 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 54 | 38152 | No |
| 97 | GOM_NL__2PRFIN20090617_101800_000000262080_00022_38152_3826.N1 | 17-JUN-2009 10:18:00 | Tw_i_and_stray | 25.500 | 68 | 18Alp Cas | 2.2250 | 4500.0 | 51 | 38152 | No |
| 98 | GOM_NL__2PRFIN20090617_102537_000000272080_00022_38152_3827.N1 | 17-JUN-2009 10:25:37 | Tw_i_and_stray | 26.500 | 53 | 43Bet And | 2.0480 | 3300.0 | 53 | 38152 | No |
| 99 | GOM_NL__2PRFIN20090617_103013_000000242080_00022_38152_3828.N1 | 17-JUN-2009 10:30:13 | Dark | 24.000 | 105 | 6Bet Ari | 2.6450 | 8900.0 | 48 | 38152 | No |
| 100 | GOM_NL__2PRFIN20090617_104512_000000352080_00022_38152_3829.N1 | 17-JUN-2009 10:45:12 | Dark | 35.000 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 70 | 38152 | No |
| 101 | GOM_NL__2PRFIN20090617_105736_000000352080_00023_38153_3838.N1 | 17-JUN-2009 10:57:36 | Dark | 34.500 | 63 | Bet Gru | 2.1500 | 2800.0 | 69 | 38153 | No |

| | | | | | | | | | | | |
|-----|--|----------------------|---------------|--------|-----|-----------|----------|--------|----|-------|----|
| 102 | GOM_NL__2PRFIN20090617_105940_000000352080_00023_38153_3839.N1 | 17-JUN-2009 10:59:40 | Straylight | 34.500 | 31 | Alp Gru | 1.7340 | 15200. | 69 | 38153 | No |
| 103 | GOM_NL__2PRFIN20090617_110143_000000432080_00023_38153_3840.N1 | 17-JUN-2009 11:01:43 | Straylight | 42.500 | 172 | Gam Gru | 3.0030 | 13100. | 85 | 38153 | No |
| 104 | GOM_NL__2PRFIN20090617_111327_000000332080_00023_38153_3841.N1 | 17-JUN-2009 11:13:27 | Twi_and_stray | 33.000 | 103 | 38Zet Sgr | 2.6000 | 9700.0 | 66 | 38153 | No |
| 105 | GOM_NL__2PRFIN20090617_111453_000000332080_00023_38153_3842.N1 | 17-JUN-2009 11:14:53 | Twi_and_stray | 33.000 | 57 | 34Sig Sgr | 2.0660 | 26000. | 66 | 38153 | No |
| 106 | GOM_NL__2PRFIN20090617_111638_000000372080_00023_38153_3843.N1 | 17-JUN-2009 11:16:38 | Twi_and_stray | 36.500 | 155 | 41Pi Sgr | 2.9000 | 6600.0 | 73 | 38153 | No |
| 107 | GOM_NL__2PRFIN20090617_112602_000000312080_00023_38153_3844.N1 | 17-JUN-2009 11:26:02 | Bright | 30.500 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 61 | 38153 | No |
| 108 | GOM_NL__2PRFIN20090617_112832_000000312080_00023_38153_3845.N1 | 17-JUN-2009 11:28:32 | Bright | 30.500 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 61 | 38153 | No |
| 109 | GOM_NL__2PRFIN20090617_113901_000000372080_00023_38153_3846.N1 | 17-JUN-2009 11:39:01 | Bright | 37.000 | 5 | 3Alp Lyr | 0.033000 | 11000. | 74 | 38153 | No |
| 110 | GOM_NL__2PRFIN20090617_114046_000000302080_00023_38153_3847.N1 | 17-JUN-2009 11:40:46 | Bright | 30.000 | 69 | 33Gam Dra | 2.2310 | 3800.0 | 60 | 38153 | No |
| 111 | GOM_NL__2PRFIN20090617_115037_000000322080_00023_38153_3848.N1 | 17-JUN-2009 11:50:37 | Twi_and_stray | 31.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 63 | 38153 | No |
| 112 | GOM_NL__2PRFIN20090617_115710_000000272080_00023_38153_3849.N1 | 17-JUN-2009 11:57:10 | Twi_and_stray | 27.000 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 54 | 38153 | No |
| 113 | GOM_NL__2PRFIN20090617_115835_000000262080_00023_38153_3850.N1 | 17-JUN-2009 11:58:35 | Twi_and_stray | 26.000 | 68 | 18Alp Cas | 2.2250 | 4500.0 | 52 | 38153 | No |
| 114 | GOM_NL__2PRFIN20090617_120613_000000262080_00023_38153_3851.N1 | 17-JUN-2009 12:06:13 | Twi_and_stray | 26.000 | 53 | 43Bet And | 2.0480 | 3300.0 | 52 | 38153 | No |
| 115 | GOM_NL__2PRFIN20090617_121049_000000242080_00023_38153_3852.N1 | 17-JUN-2009 12:10:49 | Dark | 24.000 | 105 | 6Bet Ari | 2.6450 | 8900.0 | 48 | 38153 | No |
| 116 | GOM_NL__2PRFIN20090617_122549_000000352080_00023_38153_3853.N1 | 17-JUN-2009 12:25:49 | Dark | 35.000 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 70 | 38153 | No |
| 117 | GOM_NL__2PRFIN20090617_123813_000000352080_00024_38154_3858.N1 | 17-JUN-2009 12:38:13 | Dark | 34.500 | 63 | Bet Gru | 2.1500 | 2800.0 | 69 | 38154 | No |
| 118 | GOM_NL__2PRFIN20090617_124017_000000352080_00024_38154_3859.N1 | 17-JUN-2009 12:40:17 | Straylight | 34.500 | 31 | Alp Gru | 1.7340 | 15200. | 69 | 38154 | No |
| 119 | GOM_NL__2PRFIN20090617_124220_000000422080_00024_38154_3860.N1 | 17-JUN-2009 12:42:20 | Straylight | 42.000 | 172 | Gam Gru | 3.0030 | 13100. | 84 | 38154 | No |
| 120 | GOM_NL__2PRFIN20090617_125403_000000332080_00024_38154_3861.N1 | 17-JUN-2009 12:54:03 | Twi_and_stray | 33.000 | 103 | 38Zet Sgr | 2.6000 | 9700.0 | 66 | 38154 | No |
| 121 | GOM_NL__2PRFIN20090617_125529_000000332080_00024_38154_3862.N1 | 17-JUN-2009 12:55:29 | Twi_and_stray | 33.000 | 57 | 34Sig Sgr | 2.0660 | 26000. | 66 | 38154 | No |
| 122 | GOM_NL__2PRFIN20090617_125714_000000362080_00024_38154_3863.N1 | 17-JUN-2009 12:57:14 | Twi_and_stray | 36.000 | 155 | 41Pi Sgr | 2.9000 | 6600.0 | 72 | 38154 | No |
| 123 | GOM_NL__2PRFIN20090617_130638_000000312080_00024_38154_3864.N1 | 17-JUN-2009 13:06:38 | Bright | 30.500 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 61 | 38154 | No |
| 124 | GOM_NL__2PRFIN20090617_130908_000000312080_00024_38154_3865.N1 | 17-JUN-2009 13:09:08 | Bright | 30.500 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 61 | 38154 | No |
| 125 | GOM_NL__2PRFIN20090617_131936_000000372080_00024_38154_3866.N1 | 17-JUN-2009 13:19:36 | Bright | 37.000 | 5 | 3Alp Lyr | 0.033000 | 11000. | 74 | 38154 | No |
| 126 | GOM_NL__2PRFIN20090617_132122_000000302080_00024_38154_3867.N1 | 17-JUN-2009 13:21:22 | Bright | 30.000 | 69 | 33Gam Dra | 2.2310 | 3800.0 | 60 | 38154 | No |
| 127 | GOM_NL__2PRFIN20090617_133746_000000272080_00024_38154_3868.N1 | 17-JUN-2009 13:37:46 | Twi_and_stray | 27.000 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 54 | 38154 | No |
| 128 | GOM_NL__2PRFIN20090617_133911_000000262080_00024_38154_3869.N1 | 17-JUN-2009 13:39:11 | Twi_and_stray | 26.000 | 68 | 18Alp Cas | 2.2250 | 4500.0 | 52 | 38154 | No |
| 129 | GOM_NL__2PRFIN20090617_134649_000000262080_00024_38154_3870.N1 | 17-JUN-2009 13:46:49 | Twi_and_stray | 26.000 | 53 | 43Bet And | 2.0480 | 3300.0 | 52 | 38154 | No |
| 130 | GOM_NL__2PRFIN20090617_135125_000000242080_00024_38154_3871.N1 | 17-JUN-2009 13:51:25 | Dark | 24.000 | 105 | 6Bet Ari | 2.6450 | 8900.0 | 48 | 38154 | No |
| 131 | GOM_NL__2PRFIN20090617_140626_000000352080_00024_38154_3872.N1 | 17-JUN-2009 14:06:26 | Dark | 35.000 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 70 | 38154 | No |
| 132 | GOM_NL__2PRFIN20090617_141850_000000352080_00025_38155_3872.N1 | 17-JUN-2009 14:18:50 | Dark | 34.500 | 63 | Bet Gru | 2.1500 | 2800.0 | 69 | 38155 | No |
| 133 | GOM_NL__2PRFIN20090617_142054_000000352080_00025_38155_3873.N1 | 17-JUN-2009 14:20:54 | Straylight | 34.500 | 31 | Alp Gru | 1.7340 | 15200. | 69 | 38155 | No |
| 134 | GOM_NL__2PRFIN20090617_142257_000000432080_00025_38155_3874.N1 | 17-JUN-2009 14:22:57 | Straylight | 42.500 | 172 | Gam Gru | 3.0030 | 13100. | 85 | 38155 | No |
| 135 | GOM_NL__2PRFIN20090617_143439_000000332080_00025_38155_3875.N1 | 17-JUN-2009 14:34:39 | Twi_and_stray | 32.500 | 103 | 38Zet Sgr | 2.6000 | 9700.0 | 65 | 38155 | No |
| 136 | GOM_NL__2PRFIN20090617_143605_000000332080_00025_38155_3876.N1 | 17-JUN-2009 14:36:05 | Twi_and_stray | 33.000 | 57 | 34Sig Sgr | 2.0660 | 26000. | 66 | 38155 | No |
| 137 | GOM_NL__2PRFIN20090617_143750_000000372080_00025_38155_3877.N1 | 17-JUN-2009 14:37:50 | Twi_and_stray | 37.000 | 155 | 41Pi Sgr | 2.9000 | 6600.0 | 74 | 38155 | No |
| 138 | GOM_NL__2PRFIN20090617_144714_000000312080_00025_38155_3878.N1 | 17-JUN-2009 14:47:14 | Bright | 30.500 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 61 | 38155 | No |
| 139 | GOM_NL__2PRFIN20090617_144943_000000312080_00025_38155_3879.N1 | 17-JUN-2009 14:49:43 | Bright | 30.500 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 61 | 38155 | No |
| 140 | GOM_NL__2PRFIN20090617_150011_000000372080_00025_38155_3880.N1 | 17-JUN-2009 15:00:11 | Bright | 36.500 | 5 | 3Alp Lyr | 0.033000 | 11000. | 73 | 38155 | No |
| 141 | GOM_NL__2PRFIN20090617_150157_000000302080_00025_38155_3881.N1 | 17-JUN-2009 15:01:57 | Bright | 30.000 | 69 | 33Gam Dra | 2.2310 | 3800.0 | 60 | 38155 | No |
| 142 | GOM_NL__2PRFIN20090617_151147_000000322080_00025_38155_3882.N1 | 17-JUN-2009 15:11:47 | Twi_and_stray | 31.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 63 | 38155 | No |
| 143 | GOM_NL__2PRFIN20090617_151821_000000272080_00025_38155_3883.N1 | 17-JUN-2009 15:18:21 | Twi_and_stray | 27.000 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 54 | 38155 | No |
| 144 | GOM_NL__2PRFIN20090617_151947_000000262080_00025_38155_3884.N1 | 17-JUN-2009 15:19:47 | Twi_and_stray | 25.500 | 68 | 18Alp Cas | 2.2250 | 4500.0 | 51 | 38155 | No |
| 145 | GOM_NL__2PRFIN20090617_152725_000000272080_00025_38155_3885.N1 | 17-JUN-2009 15:27:25 | Twi_and_stray | 26.500 | 53 | 43Bet And | 2.0480 | 3300.0 | 53 | 38155 | No |
| 146 | GOM_NL__2PRFIN20090617_153201_000000242080_00025_38155_3886.N1 | 17-JUN-2009 15:32:01 | Dark | 23.500 | 105 | 6Bet Ari | 2.6450 | 8900.0 | 47 | 38155 | No |
| 147 | GOM_NL__2PRFIN20090617_154703_000000352080_00025_38155_3887.N1 | 17-JUN-2009 15:47:03 | Dark | 35.000 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 70 | 38155 | No |
| 148 | GOM_NL__2PRFIN20090617_155927_000000352080_00026_38156_3888.N1 | 17-JUN-2009 15:59:27 | Dark | 34.500 | 63 | Bet Gru | 2.1500 | 2800.0 | 69 | 38156 | No |
| 149 | GOM_NL__2PRFIN20090617_160131_000000352080_00026_38156_3889.N1 | 17-JUN-2009 16:01:31 | Straylight | 34.500 | 31 | Alp Gru | 1.7340 | 15200. | 69 | 38156 | No |
| 150 | GOM_NL__2PRFIN20090617_160334_000000432080_00026_38156_3890.N1 | 17-JUN-2009 16:03:34 | Straylight | 42.500 | 172 | Gam Gru | 3.0030 | 13100. | 85 | 38156 | No |
| 151 | GOM_NL__2PRFIN20090617_161516_000000332080_00026_38156_3891.N1 | 17-JUN-2009 16:15:16 | Twi_and_stray | 32.500 | 103 | 38Zet Sgr | 2.6000 | 9700.0 | 65 | 38156 | No |
| 152 | GOM_NL__2PRFIN20090617_161642_000000332080_00026_38156_3892.N1 | 17-JUN-2009 16:16:42 | Twi_and_stray | 33.000 | 57 | 34Sig Sgr | 2.0660 | 26000. | 66 | 38156 | No |
| 153 | GOM_NL__2PRFIN20090617_161827_000000372080_00026_38156_3893.N1 | 17-JUN-2009 16:18:27 | Twi_and_stray | 36.500 | 155 | 41Pi Sgr | 2.9000 | 6600.0 | 73 | 38156 | No |
| 154 | GOM_NL__2PRFIN20090617_162750_000000312080_00026_38156_3894.N1 | 17-JUN-2009 16:27:50 | Bright | 30.500 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 61 | 38156 | No |
| 155 | GOM_NL__2PRFIN20090617_163019_000000312080_00026_38156_3895.N1 | 17-JUN-2009 16:30:19 | Bright | 30.500 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 61 | 38156 | No |
| 156 | GOM_NL__2PRFIN20090617_164046_000000372080_00026_38156_3896.N1 | 17-JUN-2009 16:40:46 | Bright | 37.000 | 5 | 3Alp Lyr | 0.033000 | 11000. | 74 | 38156 | No |
| 157 | GOM_NL__2PRFIN20090617_164233_000000302080_00026_38156_3897.N1 | 17-JUN-2009 16:42:33 | Bright | 30.000 | 69 | 33Gam Dra | 2.2310 | 3800.0 | 60 | 38156 | No |
| 158 | GOM_NL__2PRFIN20090617_165222_000000322080_00026_38156_3898.N1 | 17-JUN-2009 16:52:22 | Twi_and_stray | 31.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 63 | 38156 | No |
| 159 | GOM_NL__2PRFIN20090617_165857_000000272080_00026_38156_3899.N1 | 17-JUN-2009 16:58:57 | Twi_and_stray | 27.000 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 54 | 38156 | No |
| 160 | GOM_NL__2PRFIN20090617_170022_000000262080_00026_38156_3900.N1 | 17-JUN-2009 17:00:22 | Twi_and_stray | 25.500 | 68 | 18Alp Cas | 2.2250 | 4500.0 | 51 | 38156 | No |

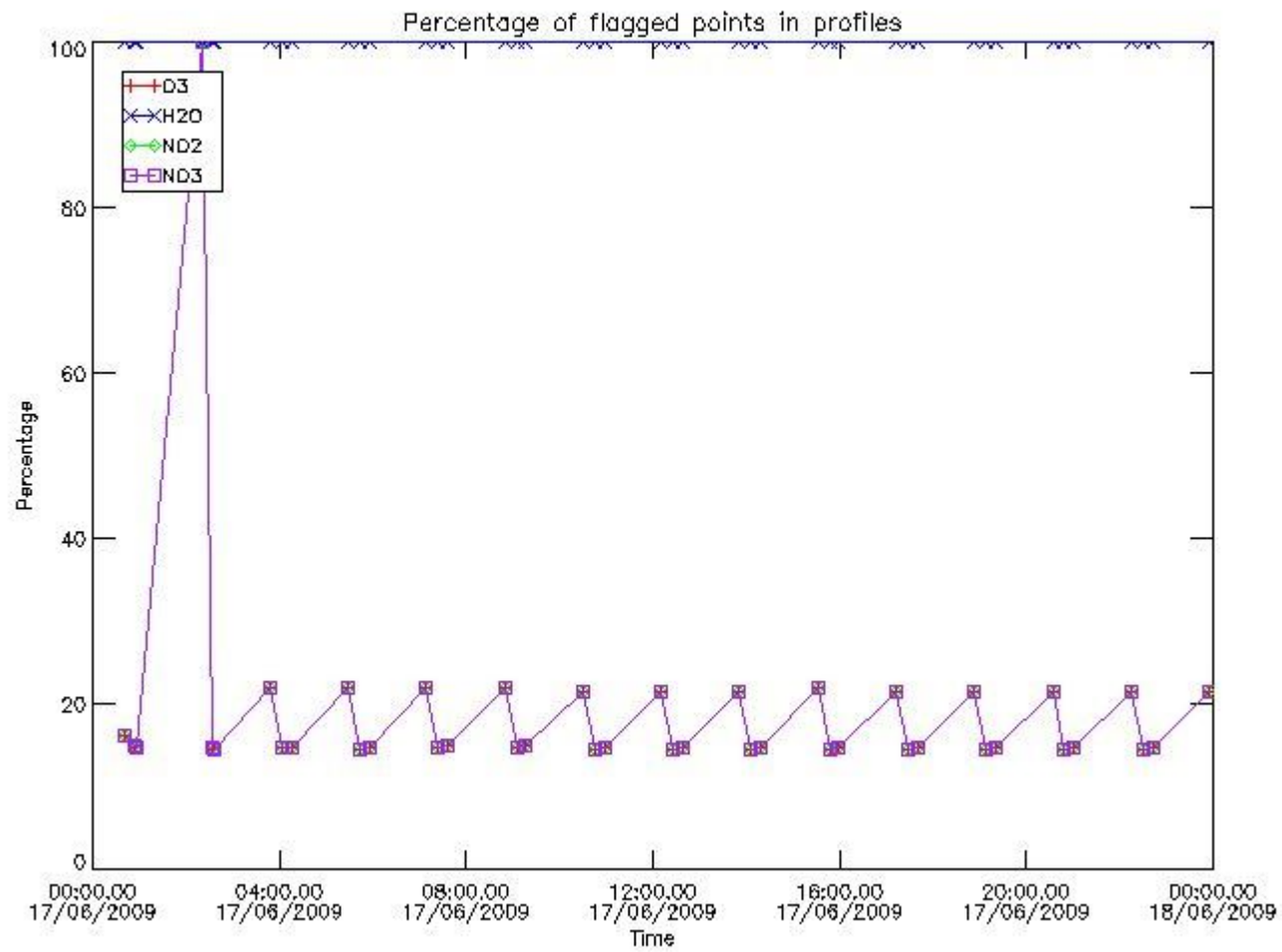
| | | | | | | | | | | | |
|-----|--|----------------------|------------|--------|-----|-----------|----------|--------|----|-------|----|
| 161 | GOM_NL__2PRFIN20090617_170801_000000272080_00026_38156_3901.N1 | 17-JUN-2009 17:08:01 | Twilight | 26.500 | 53 | 43Bet And | 2.0480 | 3300.0 | 53 | 38156 | No |
| 162 | GOM_NL__2PRFIN20090617_171238_000000242080_00026_38156_3902.N1 | 17-JUN-2009 17:12:38 | Dark | 24.000 | 105 | 6Bet Ari | 2.6450 | 8900.0 | 48 | 38156 | No |
| 163 | GOM_NL__2PRFIN20090617_172740_000000352080_00026_38156_3903.N1 | 17-JUN-2009 17:27:40 | Dark | 35.000 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 70 | 38156 | No |
| 164 | GOM_NL__2PRFIN20090617_174004_000000352080_00027_38157_3904.N1 | 17-JUN-2009 17:40:04 | Dark | 34.500 | 63 | Bet Gru | 2.1500 | 2800.0 | 69 | 38157 | No |
| 165 | GOM_NL__2PRFIN20090617_174207_000000352080_00027_38157_3905.N1 | 17-JUN-2009 17:42:07 | Straylight | 34.500 | 31 | Alp Gru | 1.7340 | 15200. | 69 | 38157 | No |
| 166 | GOM_NL__2PRFIN20090617_174412_000000422080_00027_38157_3906.N1 | 17-JUN-2009 17:44:12 | Straylight | 41.500 | 172 | Gam Gru | 3.0030 | 13100. | 83 | 38157 | No |
| 167 | GOM_NL__2PRFIN20090617_175552_000000332080_00027_38157_3907.N1 | 17-JUN-2009 17:55:52 | Twilight | 32.500 | 103 | 38Zet Sgr | 2.6000 | 9700.0 | 65 | 38157 | No |
| 168 | GOM_NL__2PRFIN20090617_175718_000000332080_00027_38157_3908.N1 | 17-JUN-2009 17:57:18 | Twilight | 33.000 | 57 | 34Sig Sgr | 2.0660 | 26000. | 66 | 38157 | No |
| 169 | GOM_NL__2PRFIN20090617_175903_000000372080_00027_38157_3909.N1 | 17-JUN-2009 17:59:03 | Twilight | 37.000 | 155 | 41Pi Sgr | 2.9000 | 6600.0 | 74 | 38157 | No |
| 170 | GOM_NL__2PRFIN20090617_180826_000000302080_00027_38157_3910.N1 | 17-JUN-2009 18:08:26 | Twilight | 30.000 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 60 | 38157 | No |
| 171 | GOM_NL__2PRFIN20090617_181055_000000312080_00027_38157_3911.N1 | 17-JUN-2009 18:10:55 | Bright | 30.500 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 61 | 38157 | No |
| 172 | GOM_NL__2PRFIN20090617_182121_000000372080_00027_38157_3912.N1 | 17-JUN-2009 18:21:21 | Bright | 37.000 | 5 | 3Alp Lyr | 0.033000 | 11000. | 74 | 38157 | No |
| 173 | GOM_NL__2PRFIN20090617_182308_000000312080_00027_38157_3913.N1 | 17-JUN-2009 18:23:08 | Bright | 30.500 | 69 | 33Gam Dra | 2.2310 | 3800.0 | 61 | 38157 | No |
| 174 | GOM_NL__2PRFIN20090617_183258_000000322080_00027_38157_3914.N1 | 17-JUN-2009 18:32:58 | Twilight | 31.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 63 | 38157 | No |
| 175 | GOM_NL__2PRFIN20090617_183933_000000272080_00027_38157_3915.N1 | 17-JUN-2009 18:39:33 | Twilight | 26.500 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 53 | 38157 | No |
| 176 | GOM_NL__2PRFIN20090617_184058_000000262080_00027_38157_3916.N1 | 17-JUN-2009 18:40:58 | Twilight | 25.500 | 68 | 18Alp Cas | 2.2250 | 4500.0 | 51 | 38157 | No |
| 177 | GOM_NL__2PRFIN20090617_184837_000000272080_00027_38157_3917.N1 | 17-JUN-2009 18:48:37 | Twilight | 26.500 | 53 | 43Bet And | 2.0480 | 3300.0 | 53 | 38157 | No |
| 178 | GOM_NL__2PRFIN20090617_185314_000000242080_00027_38157_3918.N1 | 17-JUN-2009 18:53:14 | Dark | 24.000 | 105 | 6Bet Ari | 2.6450 | 8900.0 | 48 | 38157 | No |
| 179 | GOM_NL__2PRFIN20090617_190818_000000352080_00027_38157_3919.N1 | 17-JUN-2009 19:08:18 | Dark | 35.000 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 70 | 38157 | No |
| 180 | GOM_NL__2PRFIN20090617_192041_000000352080_00028_38158_3920.N1 | 17-JUN-2009 19:20:41 | Dark | 34.500 | 63 | Bet Gru | 2.1500 | 2800.0 | 69 | 38158 | No |
| 181 | GOM_NL__2PRFIN20090617_192244_000000352080_00028_38158_3921.N1 | 17-JUN-2009 19:22:44 | Straylight | 34.500 | 31 | Alp Gru | 1.7340 | 15200. | 69 | 38158 | No |
| 182 | GOM_NL__2PRFIN20090617_192449_000000432080_00028_38158_3922.N1 | 17-JUN-2009 19:24:49 | Straylight | 42.500 | 172 | Gam Gru | 3.0030 | 13100. | 85 | 38158 | No |
| 183 | GOM_NL__2PRFIN20090617_193628_000000332080_00028_38158_3923.N1 | 17-JUN-2009 19:36:28 | Twilight | 33.000 | 103 | 38Zet Sgr | 2.6000 | 9700.0 | 66 | 38158 | No |
| 184 | GOM_NL__2PRFIN20090617_193755_000000342080_00028_38158_3924.N1 | 17-JUN-2009 19:37:55 | Twilight | 33.500 | 57 | 34Sig Sgr | 2.0660 | 26000. | 67 | 38158 | No |
| 185 | GOM_NL__2PRFIN20090617_193939_000000372080_00028_38158_3925.N1 | 17-JUN-2009 19:39:39 | Twilight | 36.500 | 155 | 41Pi Sgr | 2.9000 | 6600.0 | 73 | 38158 | No |
| 186 | GOM_NL__2PRFIN20090617_194901_000000312080_00028_38158_3926.N1 | 17-JUN-2009 19:49:01 | Bright | 30.500 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 61 | 38158 | No |
| 187 | GOM_NL__2PRFIN20090617_195130_000000312080_00028_38158_3927.N1 | 17-JUN-2009 19:51:30 | Bright | 30.500 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 61 | 38158 | No |
| 188 | GOM_NL__2PRFIN20090617_200156_000000372080_00028_38158_3928.N1 | 17-JUN-2009 20:01:56 | Bright | 36.500 | 5 | 3Alp Lyr | 0.033000 | 11000. | 73 | 38158 | No |
| 189 | GOM_NL__2PRFIN20090617_200344_000000302080_00028_38158_3929.N1 | 17-JUN-2009 20:03:44 | Bright | 30.000 | 69 | 33Gam Dra | 2.2310 | 3800.0 | 60 | 38158 | No |
| 190 | GOM_NL__2PRFIN20090617_201333_000000322080_00028_38158_3930.N1 | 17-JUN-2009 20:13:33 | Twilight | 31.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 63 | 38158 | No |
| 191 | GOM_NL__2PRFIN20090617_202008_000000272080_00028_38158_3931.N1 | 17-JUN-2009 20:20:08 | Twilight | 27.000 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 54 | 38158 | No |
| 192 | GOM_NL__2PRFIN20090617_202134_000000262080_00028_38158_3932.N1 | 17-JUN-2009 20:21:34 | Twilight | 26.000 | 68 | 18Alp Cas | 2.2250 | 4500.0 | 52 | 38158 | No |
| 193 | GOM_NL__2PRFIN20090617_202913_000000272080_00028_38158_3933.N1 | 17-JUN-2009 20:29:13 | Twilight | 26.500 | 53 | 43Bet And | 2.0480 | 3300.0 | 53 | 38158 | No |
| 194 | GOM_NL__2PRFIN20090617_203350_000000242080_00028_38158_3934.N1 | 17-JUN-2009 20:33:50 | Dark | 24.000 | 105 | 6Bet Ari | 2.6450 | 8900.0 | 48 | 38158 | No |
| 195 | GOM_NL__2PRFIN20090617_204855_000000352080_00028_38158_3935.N1 | 17-JUN-2009 20:48:55 | Dark | 35.000 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 70 | 38158 | No |
| 196 | GOM_NL__2PRFIN20090617_210118_000000352080_00029_38159_3968.N1 | 17-JUN-2009 21:01:18 | Dark | 34.500 | 63 | Bet Gru | 2.1500 | 2800.0 | 69 | 38159 | No |
| 197 | GOM_NL__2PRFIN20090617_210321_000000352080_00029_38159_3969.N1 | 17-JUN-2009 21:03:21 | Straylight | 34.500 | 31 | Alp Gru | 1.7340 | 15200. | 69 | 38159 | No |
| 198 | GOM_NL__2PRFIN20090617_210526_000000422080_00029_38159_3970.N1 | 17-JUN-2009 21:05:26 | Straylight | 42.000 | 172 | Gam Gru | 3.0030 | 13100. | 84 | 38159 | No |
| 199 | GOM_NL__2PRFIN20090617_211705_000000332080_00029_38159_3971.N1 | 17-JUN-2009 21:17:05 | Twilight | 32.500 | 103 | 38Zet Sgr | 2.6000 | 9700.0 | 65 | 38159 | No |
| 200 | GOM_NL__2PRFIN20090617_211831_000000332080_00029_38159_3972.N1 | 17-JUN-2009 21:18:31 | Twilight | 33.000 | 57 | 34Sig Sgr | 2.0660 | 26000. | 66 | 38159 | No |
| 201 | GOM_NL__2PRFIN20090617_212016_000000372080_00029_38159_3973.N1 | 17-JUN-2009 21:20:16 | Twilight | 36.500 | 155 | 41Pi Sgr | 2.9000 | 6600.0 | 73 | 38159 | No |
| 202 | GOM_NL__2PRFIN20090617_212937_000000312080_00029_38159_3974.N1 | 17-JUN-2009 21:29:37 | Bright | 30.500 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 61 | 38159 | No |
| 203 | GOM_NL__2PRFIN20090617_213206_000000312080_00029_38159_3975.N1 | 17-JUN-2009 21:32:06 | Bright | 30.500 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 61 | 38159 | No |
| 204 | GOM_NL__2PRFIN20090617_214231_000000372080_00029_38159_3976.N1 | 17-JUN-2009 21:42:31 | Bright | 36.500 | 5 | 3Alp Lyr | 0.033000 | 11000. | 73 | 38159 | No |
| 205 | GOM_NL__2PRFIN20090617_214419_000000312080_00029_38159_3977.N1 | 17-JUN-2009 21:44:19 | Bright | 30.500 | 69 | 33Gam Dra | 2.2310 | 3800.0 | 61 | 38159 | No |
| 206 | GOM_NL__2PRFIN20090617_215409_000000322080_00029_38159_3978.N1 | 17-JUN-2009 21:54:09 | Twilight | 31.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 63 | 38159 | No |
| 207 | GOM_NL__2PRFIN20090617_220044_000000272080_00029_38159_3979.N1 | 17-JUN-2009 22:00:44 | Twilight | 27.000 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 54 | 38159 | No |
| 208 | GOM_NL__2PRFIN20090617_220209_000000262080_00029_38159_3980.N1 | 17-JUN-2009 22:02:09 | Twilight | 26.000 | 68 | 18Alp Cas | 2.2250 | 4500.0 | 52 | 38159 | No |
| 209 | GOM_NL__2PRFIN20090617_220949_000000262080_00029_38159_3981.N1 | 17-JUN-2009 22:09:49 | Twilight | 26.000 | 53 | 43Bet And | 2.0480 | 3300.0 | 52 | 38159 | No |
| 210 | GOM_NL__2PRFIN20090617_221426_000000242080_00029_38159_3982.N1 | 17-JUN-2009 22:14:26 | Dark | 23.500 | 105 | 6Bet Ari | 2.6450 | 8900.0 | 47 | 38159 | No |
| 211 | GOM_NL__2PRFIN20090617_222932_000000352080_00029_38159_3983.N1 | 17-JUN-2009 22:29:32 | Dark | 35.000 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 70 | 38159 | No |
| 212 | GOM_NL__2PRFIN20090617_224155_000000352080_00030_38160_3987.N1 | 17-JUN-2009 22:41:55 | Dark | 34.500 | 63 | Bet Gru | 2.1500 | 2800.0 | 69 | 38160 | No |
| 213 | GOM_NL__2PRFIN20090617_224358_000000352080_00030_38160_3988.N1 | 17-JUN-2009 22:43:58 | Straylight | 34.500 | 31 | Alp Gru | 1.7340 | 15200. | 69 | 38160 | No |
| 214 | GOM_NL__2PRFIN20090617_224604_000000422080_00030_38160_3989.N1 | 17-JUN-2009 22:46:04 | Straylight | 42.000 | 172 | Gam Gru | 3.0030 | 13100. | 84 | 38160 | No |
| 215 | GOM_NL__2PRFIN20090617_225741_000000332080_00030_38160_3990.N1 | 17-JUN-2009 22:57:41 | Twilight | 33.000 | 103 | 38Zet Sgr | 2.6000 | 9700.0 | 66 | 38160 | No |
| 216 | GOM_NL__2PRFIN20090617_225907_000000332080_00030_38160_3991.N1 | 17-JUN-2009 22:59:07 | Twilight | 33.000 | 57 | 34Sig Sgr | 2.0660 | 26000. | 66 | 38160 | No |
| 217 | GOM_NL__2PRFIN20090617_230052_000000372080_00030_38160_3992.N1 | 17-JUN-2009 23:00:52 | Twilight | 36.500 | 155 | 41Pi Sgr | 2.9000 | 6600.0 | 73 | 38160 | No |
| 218 | GOM_NL__2PRFIN20090617_231013_000000312080_00030_38160_3993.N1 | 17-JUN-2009 23:10:13 | Bright | 30.500 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 61 | 38160 | No |
| 219 | GOM_NL__2PRFIN20090617_231241_000000302080_00030_38160_3994.N1 | 17-JUN-2009 23:12:41 | Bright | 30.000 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 60 | 38160 | No |

| | | | | | | | | | | | |
|-----|--|----------------------|---------------|--------|-----|-----------|----------|--------|----|-------|----|
| 220 | GOM_NL__2PRFIN20090617_232306_000000372080_00030_38160_3995.N1 | 17-JUN-2009 23:23:06 | Bright | 36.500 | 5 | 3Alp Lyr | 0.033000 | 11000. | 73 | 38160 | No |
| 221 | GOM_NL__2PRFIN20090617_232454_000000302080_00030_38160_3996.N1 | 17-JUN-2009 23:24:54 | Bright | 30.000 | 69 | 33Gam Dra | 2.2310 | 3800.0 | 60 | 38160 | No |
| 222 | GOM_NL__2PRFIN20090617_233444_000000322080_00030_38160_3997.N1 | 17-JUN-2009 23:34:44 | Twi_and_stray | 31.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 63 | 38160 | No |
| 223 | GOM_NL__2PRFIN20090617_234119_000000272080_00030_38160_3998.N1 | 17-JUN-2009 23:41:19 | Twi_and_stray | 27.000 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 54 | 38160 | No |
| 224 | GOM_NL__2PRFIN20090617_234245_000000262080_00030_38160_3999.N1 | 17-JUN-2009 23:42:45 | Twi_and_stray | 26.000 | 68 | 18Alp Cas | 2.2250 | 4500.0 | 52 | 38160 | No |
| 225 | GOM_NL__2PRFIN20090617_235025_000000272080_00030_38160_4000.N1 | 17-JUN-2009 23:50:25 | Twi_and_stray | 26.500 | 53 | 43Bet And | 2.0480 | 3300.0 | 53 | 38160 | No |
| 226 | GOM_NL__2PRFIN20090617_235502_000000242080_00030_38160_4001.N1 | 17-JUN-2009 23:55:02 | Dark | 23.500 | 105 | 6Bet Ari | 2.6450 | 8900.0 | 47 | 38160 | No |

3. Quality information per product

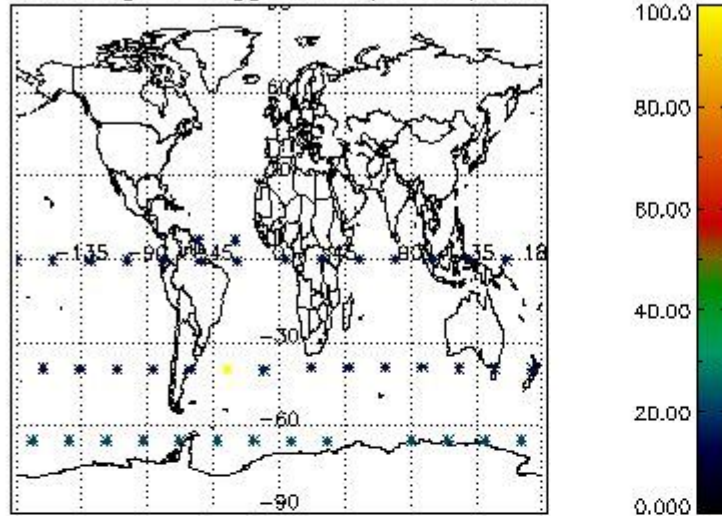
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

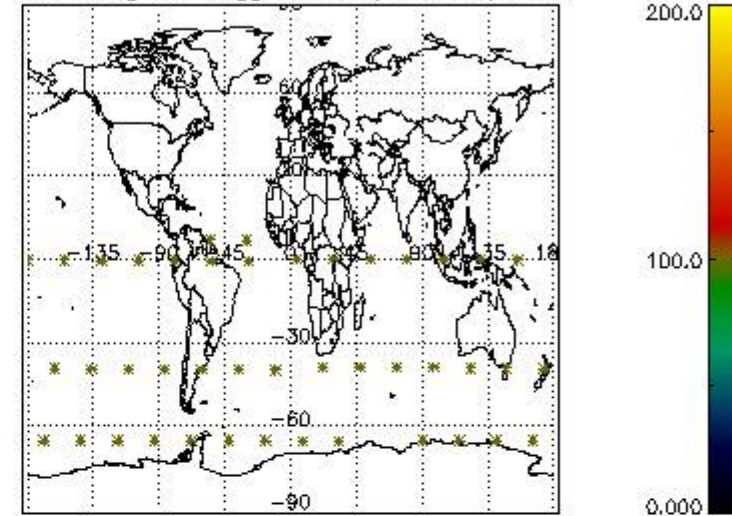


3.2 Plot quality information per product (world map)

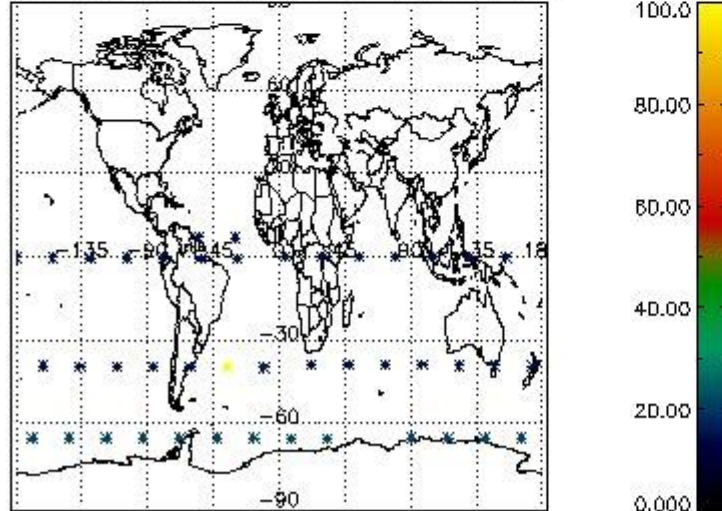
Percentage of flagged data per O3 profile



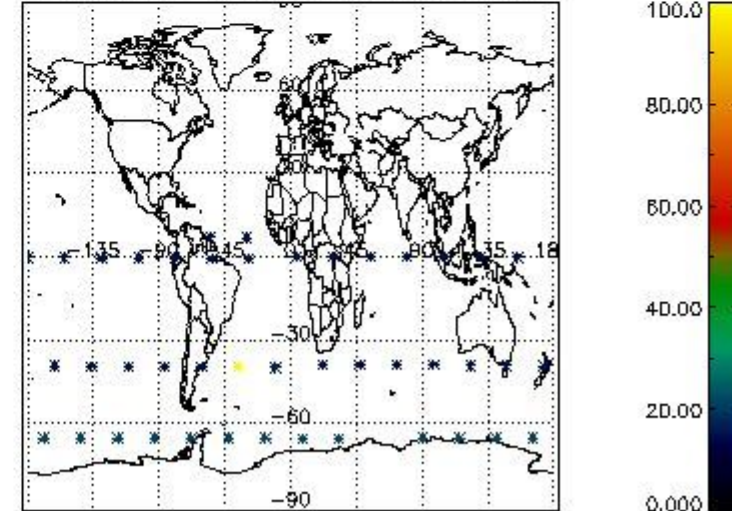
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

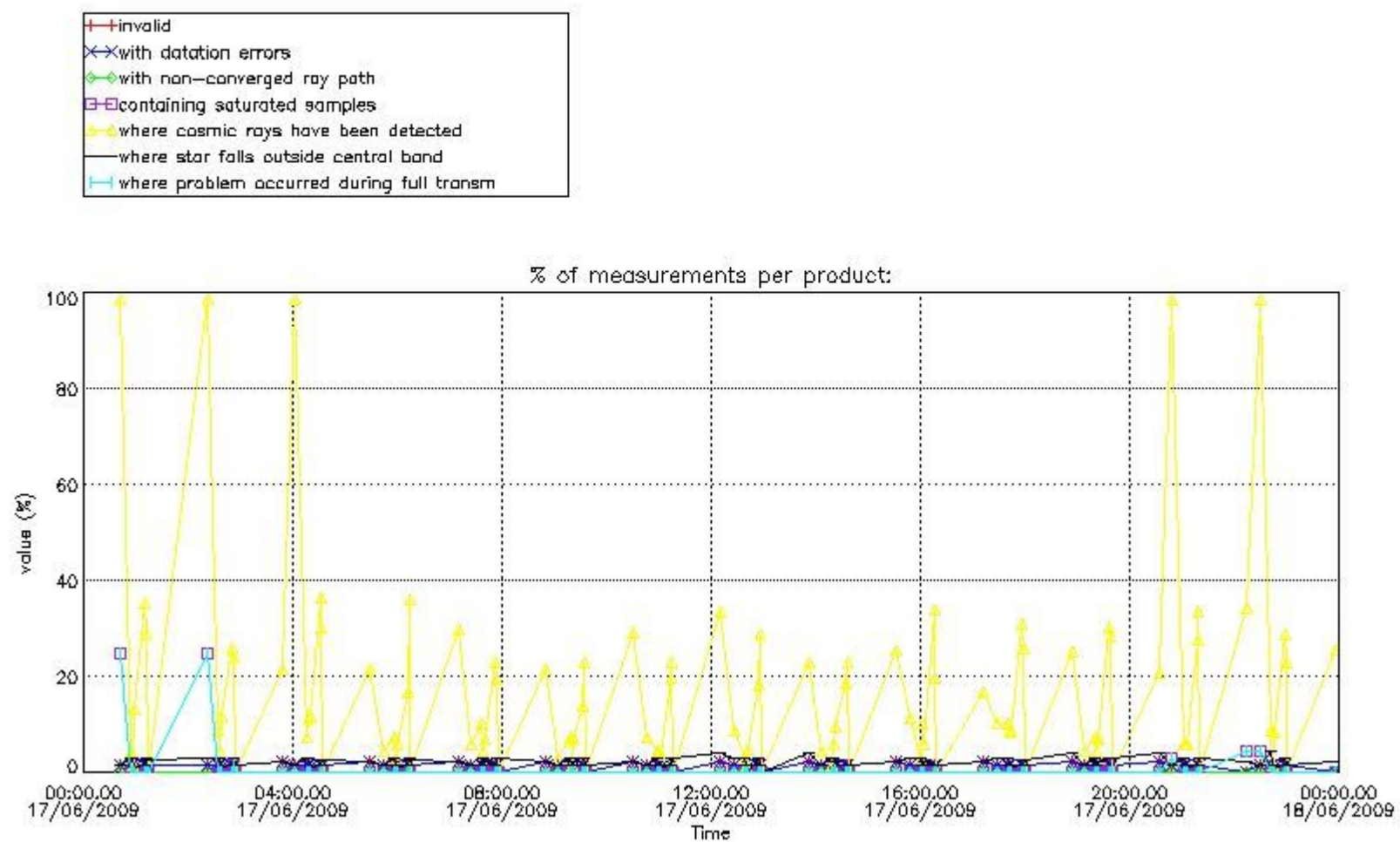


4. Level 1 quality information per product

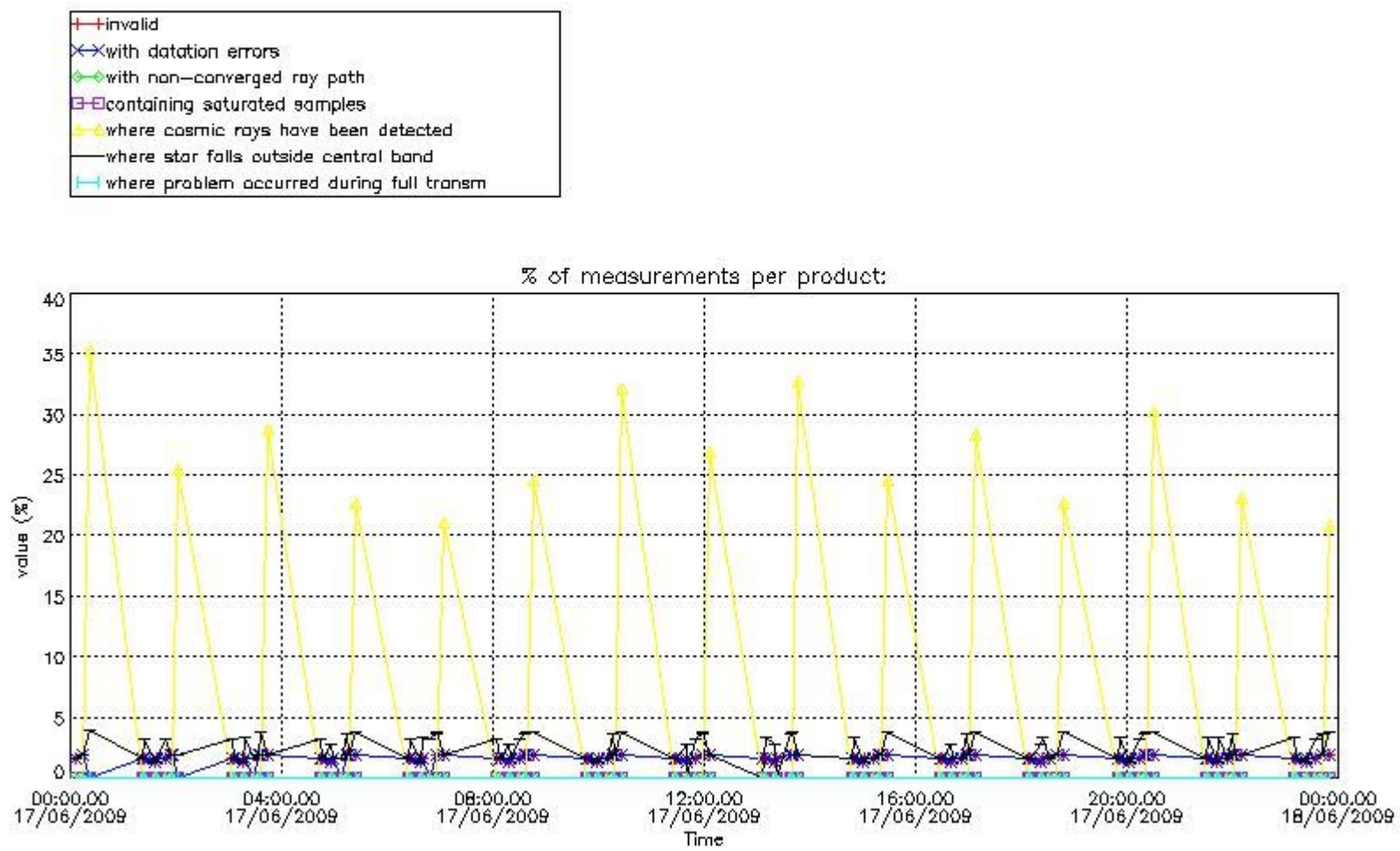
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

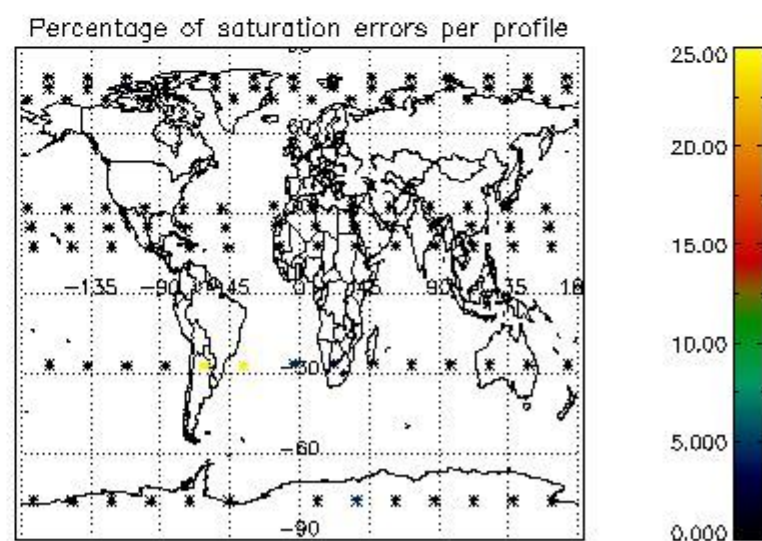
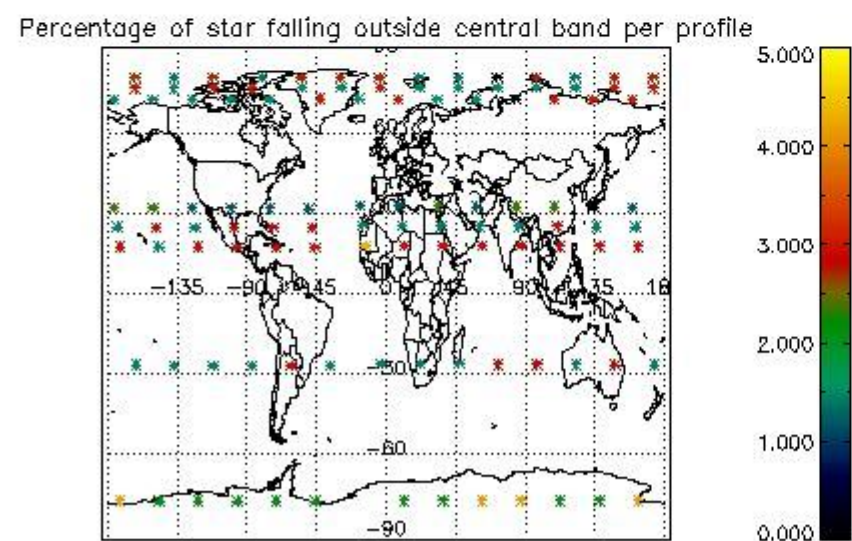
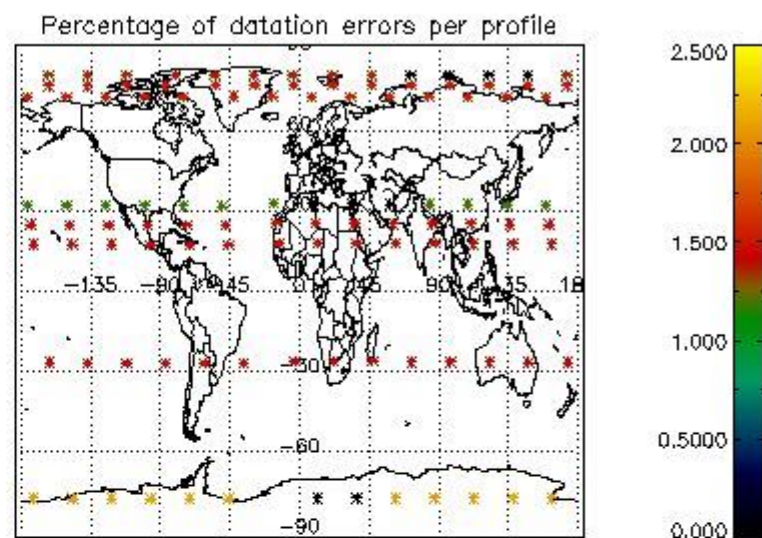
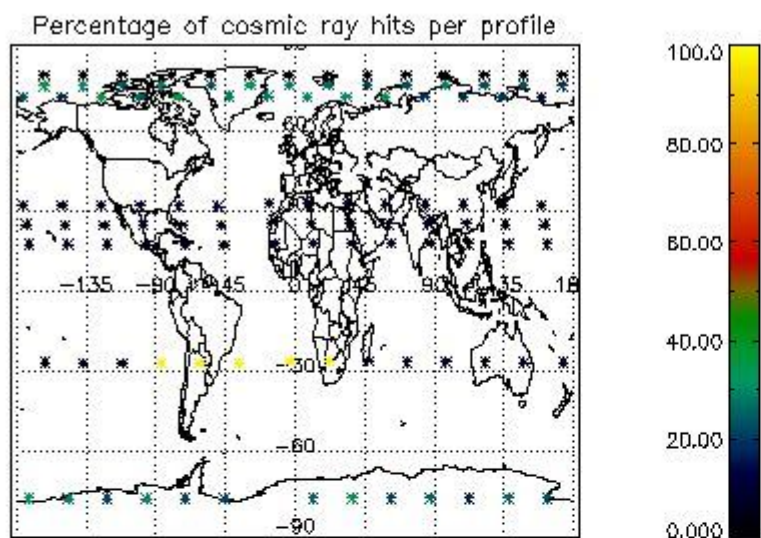


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



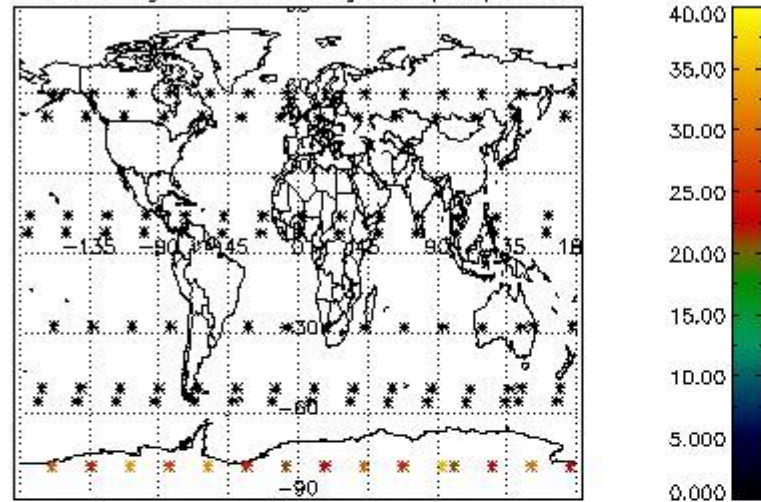
4.2 Plot quality information per product coming from level 1b processing (world map)

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

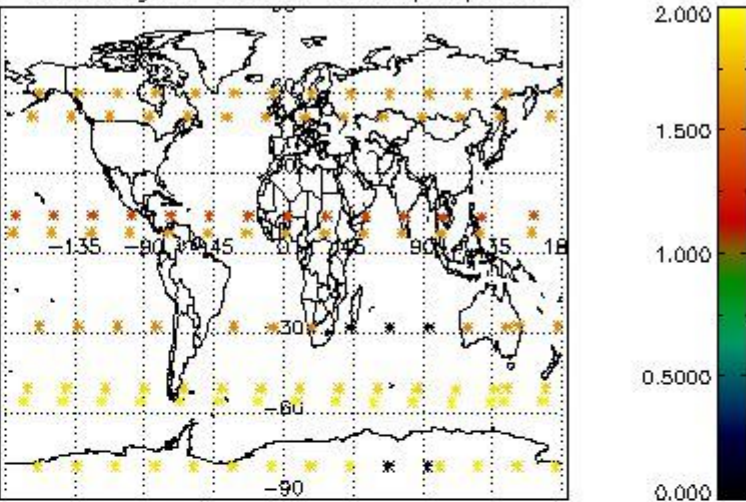


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

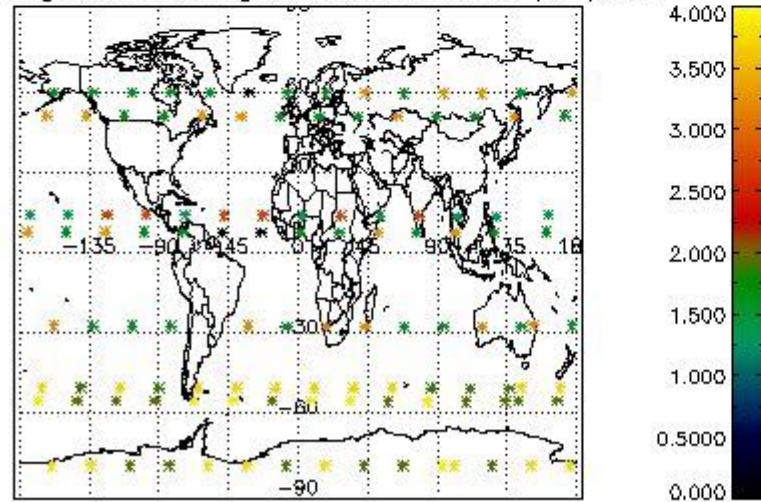
Percentage of cosmic ray hits per profile



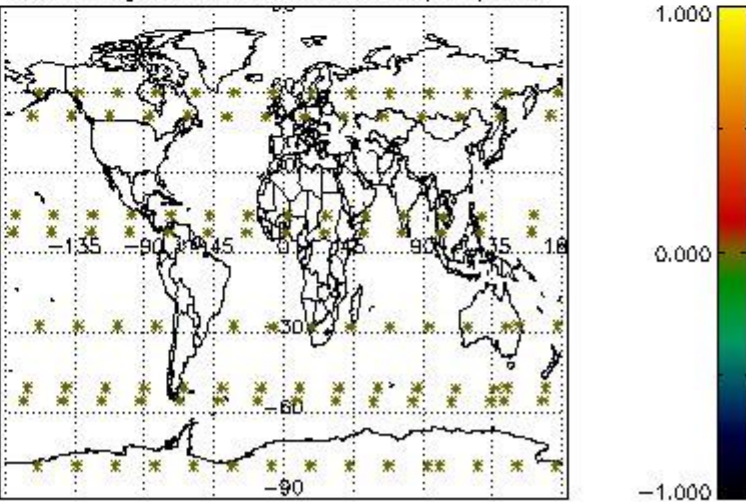
Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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

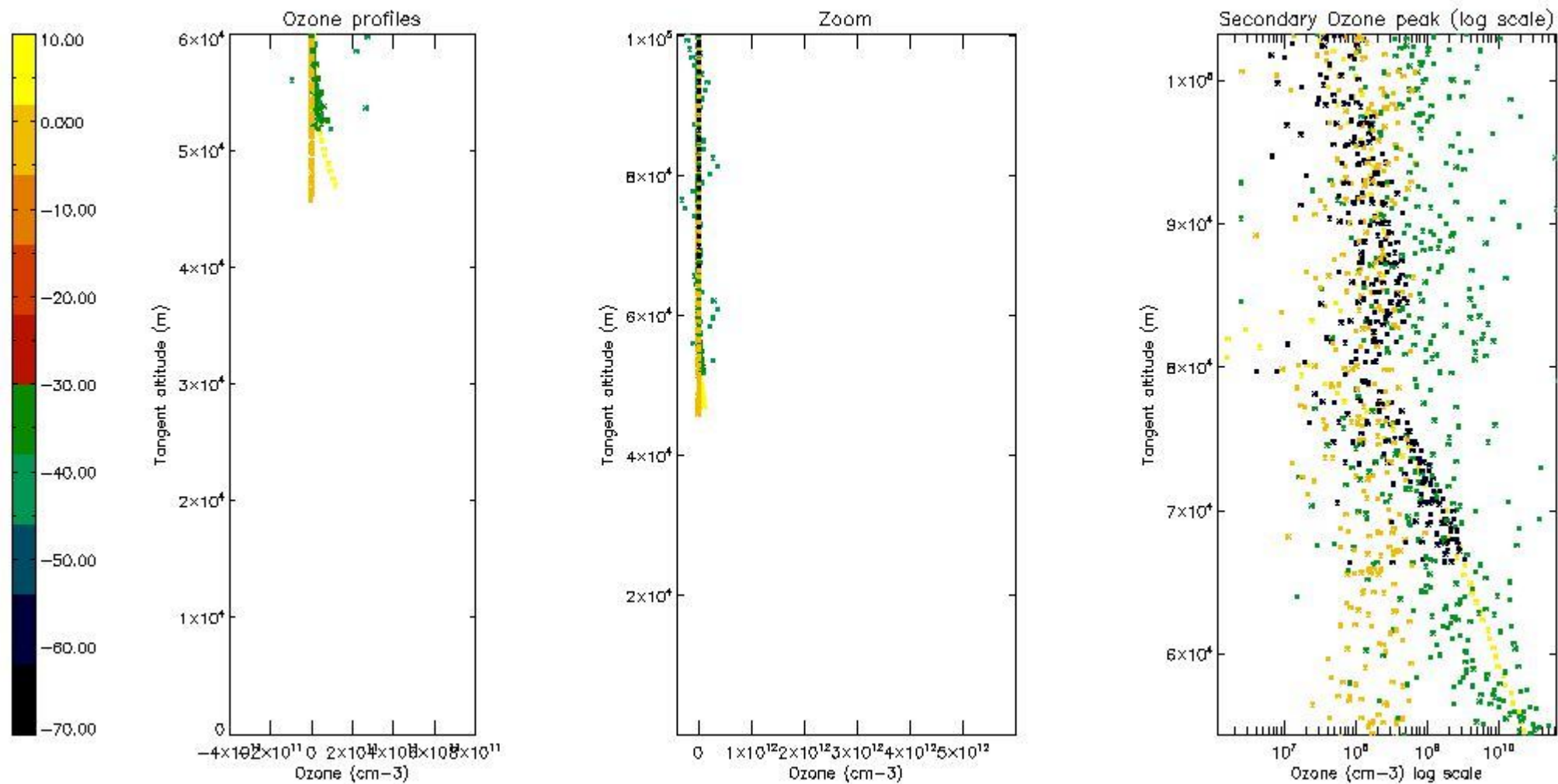
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

| Criteria | % of total production |
|----------|-----------------------|
| All STD | 18 |
| STD < 20 | 1 |

| | |
|----------|---|
| STD < 10 | 0 |
| STD < 5 | 0 |

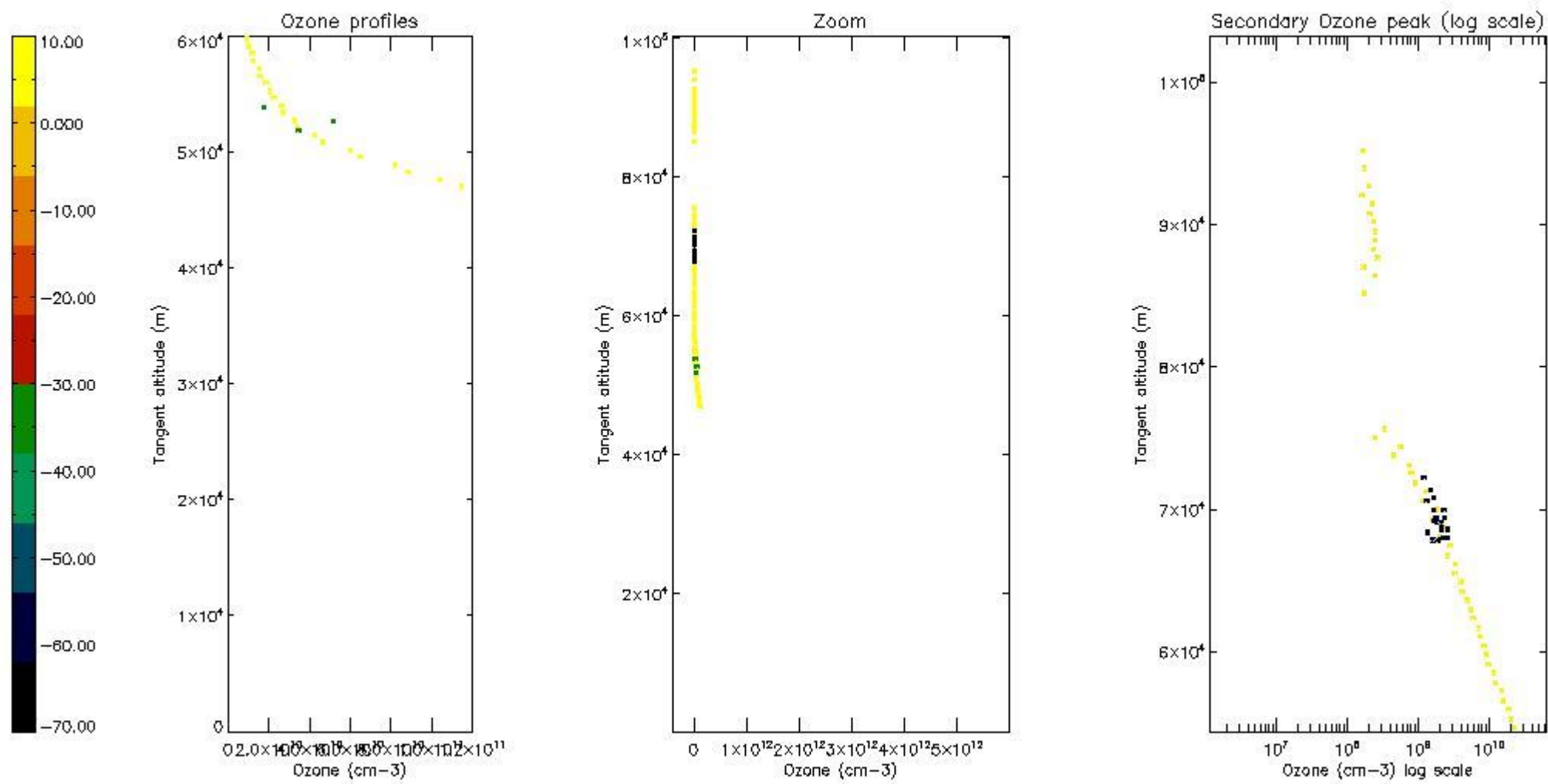
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



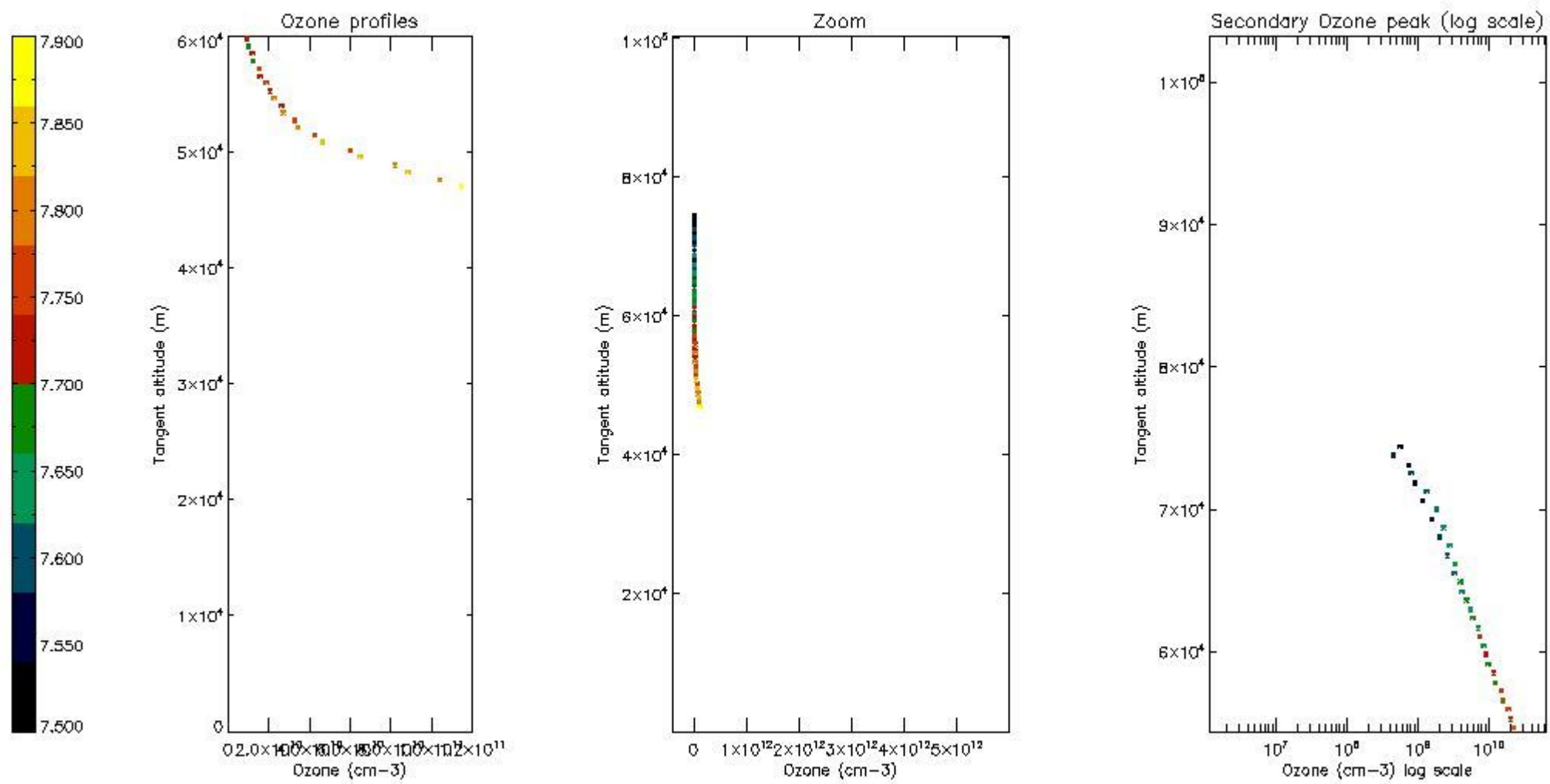
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



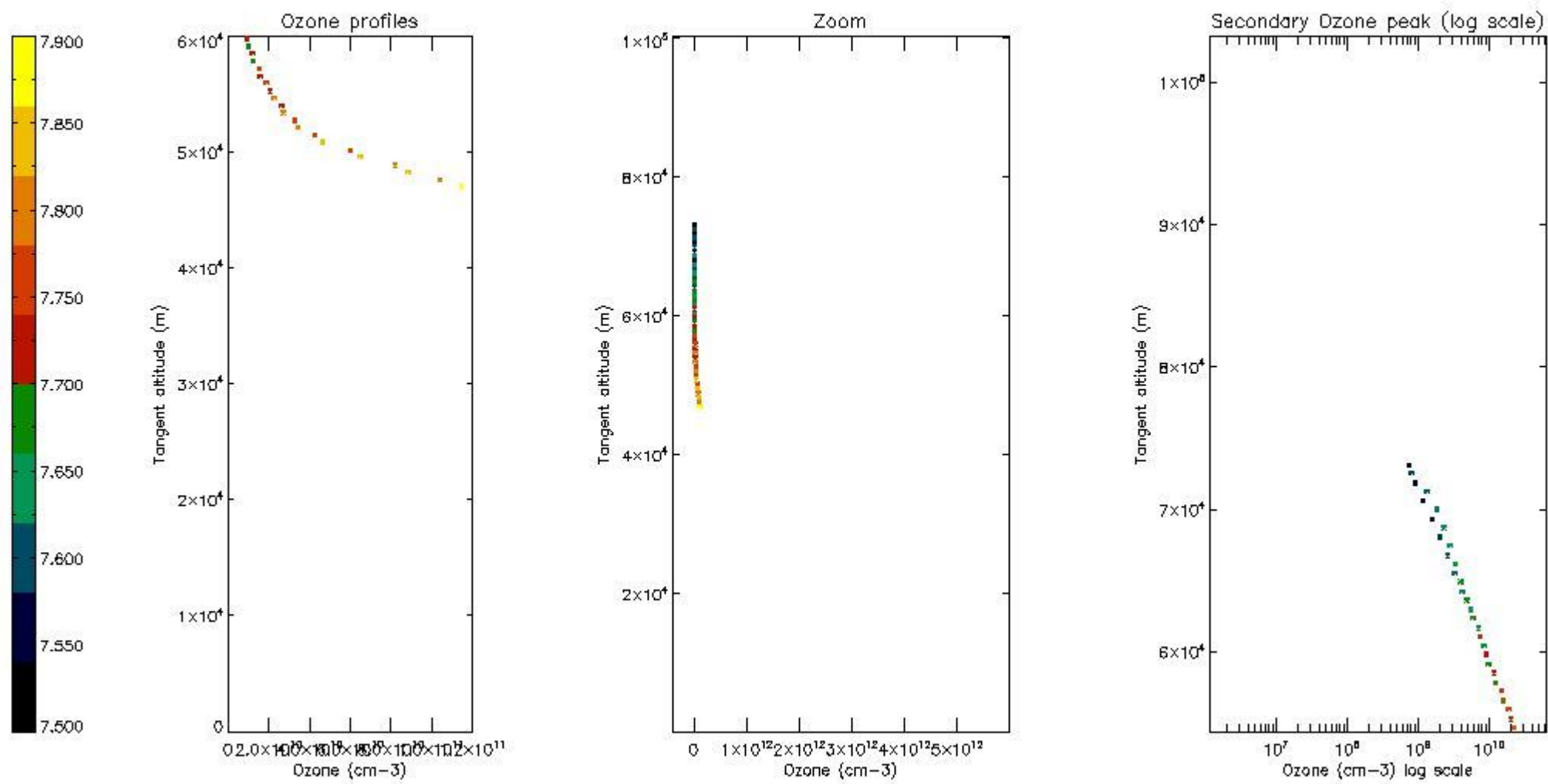
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



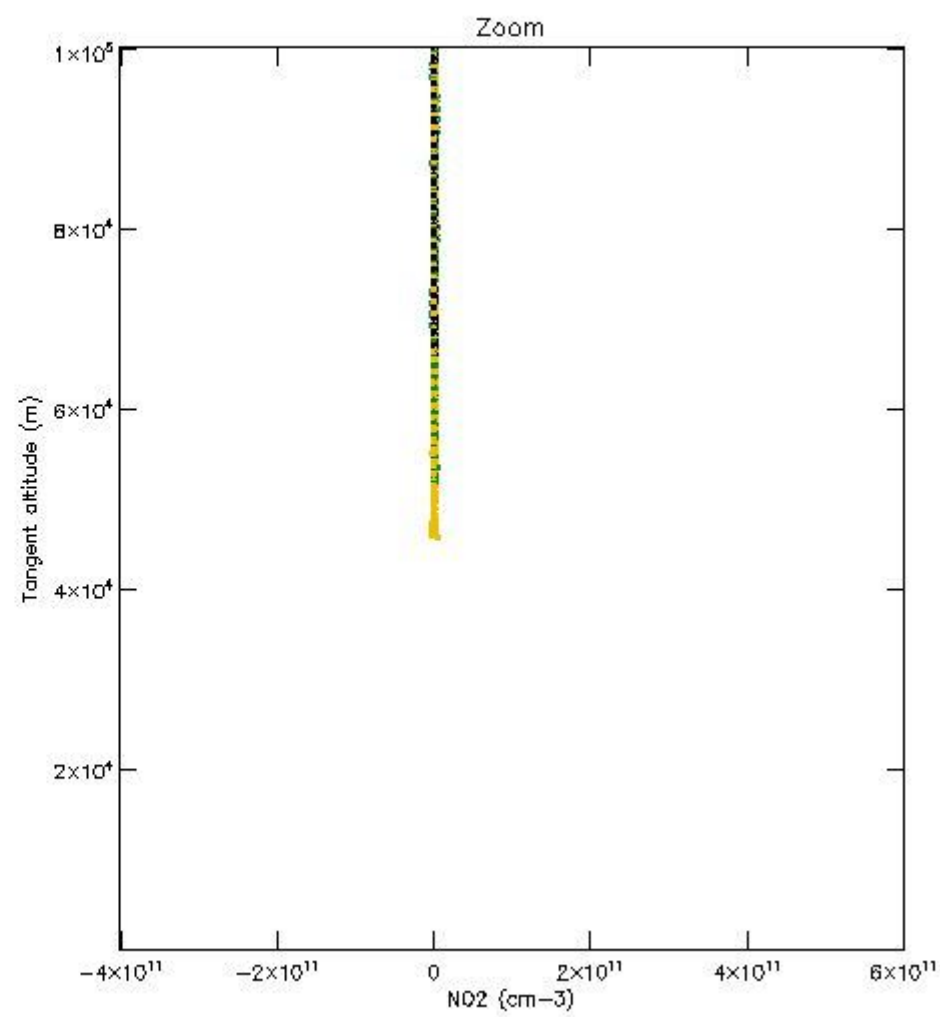
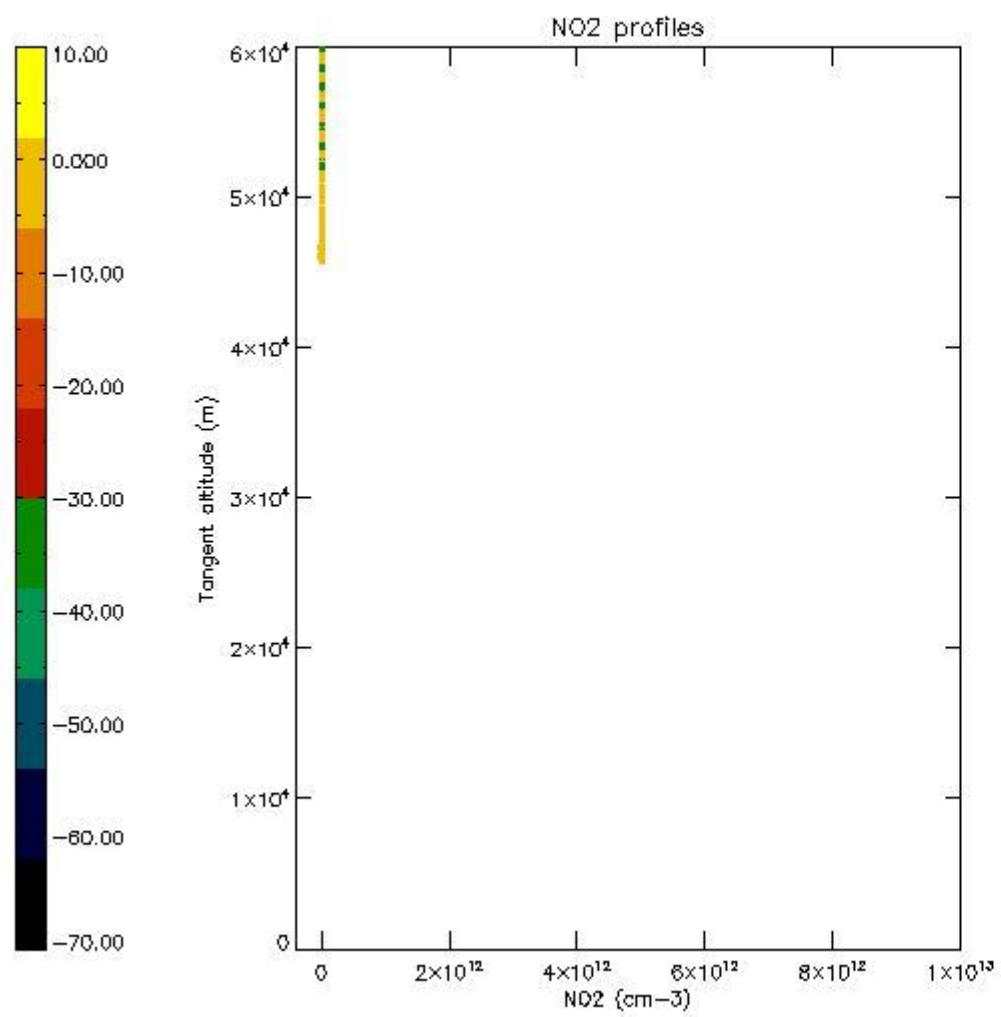
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



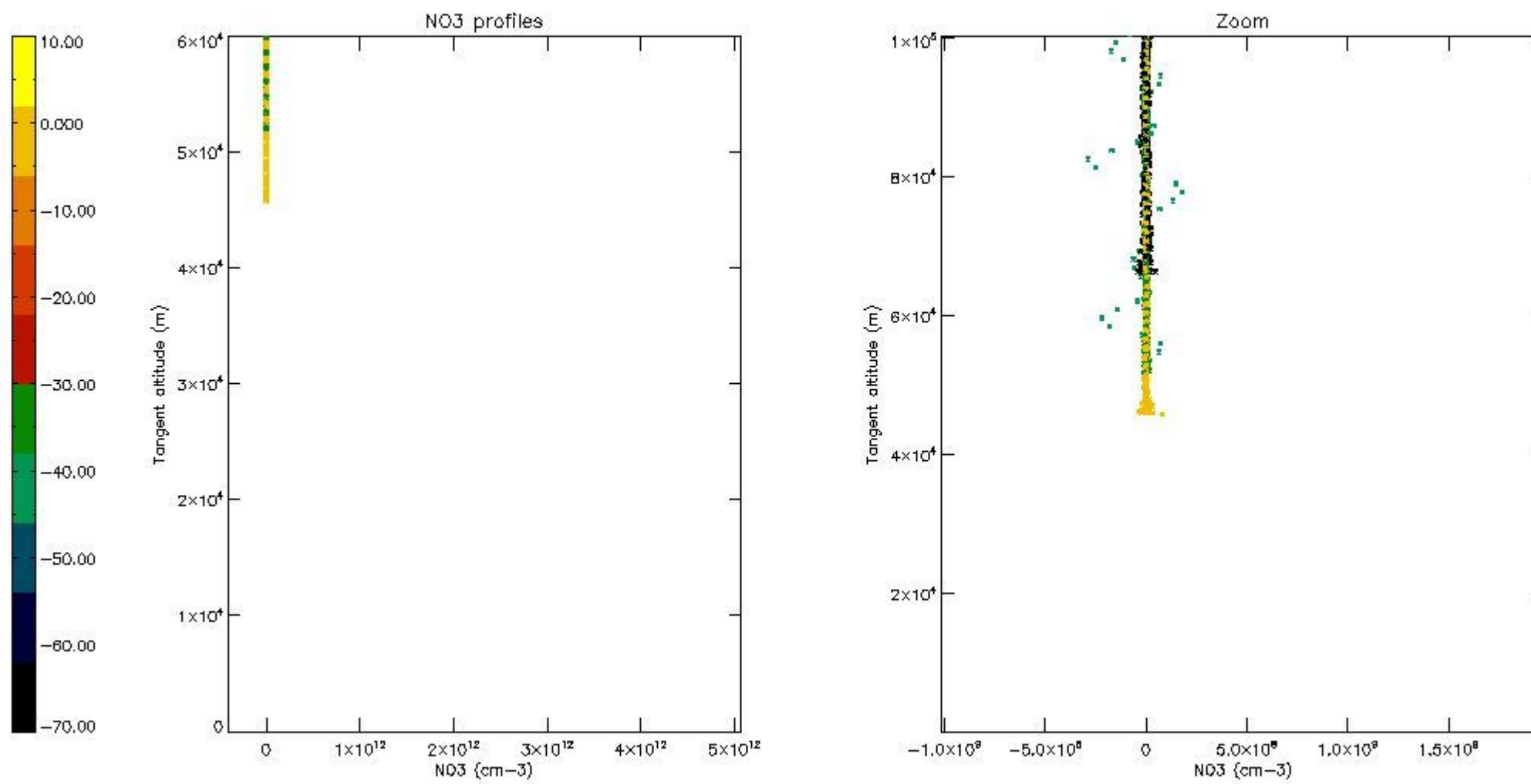
5.6 Plot NO₂ profiles for all STD (dark without errors)

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 | 17-JUN-2009 00:06:30 |
| LEVEL-2_PROC_CONFIG | GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000 | 1 | 17-JUN-2009 00:06:30 |
| CROSS_SECTIONS_FILE | GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000 | 1 | 17-JUN-2009 00:06:30 |

GOMOS Level 2 Daily Report

SUMMARY

[1. General Info](#)

[2. Summary of processed GOM_NL_2P products](#)

[3. Level 2 Quality information per product](#)

[3.1 Plot of level 2 quality information per product \(time dependant\)](#)

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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 | 26APR2013 10:13:40 |
| Data source version | GOMOS/6.01 |
| Start time of products | 17-06-2009 (17JUN2009 00:00:00) |
| Stop time of products | 18-06-2009 (18JUN2009 00:00:00) |
| Store outputs in DB | Yes |
| Nb of level 2 prods | 226 |
| 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__2PRFIN20090617_000630_000000322080_00016_38146_3738.N1 | 17-JUN-2009 00:06:30 | Twilight | 31.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 63 | 38146 | No |
| 2 | GOM_NL__2PRFIN20090617_001301_000000272080_00016_38146_3739.N1 | 17-JUN-2009 00:13:01 | Twilight | 26.500 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 53 | 38146 | No |
| 3 | GOM_NL__2PRFIN20090617_001426_000000262080_00016_38146_3740.N1 | 17-JUN-2009 00:14:26 | Twilight | 25.500 | 68 | 18Alp Cas | 2.2250 | 4500.0 | 51 | 38146 | No |
| 4 | GOM_NL__2PRFIN20090617_002201_000000262080_00016_38146_3741.N1 | 17-JUN-2009 00:22:01 | Twilight | 25.500 | 53 | 43Bet And | 2.0480 | 3300.0 | 51 | 38146 | No |
| 5 | GOM_NL__2PRFIN20090617_004130_000000352080_00016_38146_3742.N1 | 17-JUN-2009 00:41:30 | Dark | 34.500 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 69 | 38146 | No |
| 6 | GOM_NL__2PRFIN20090617_005355_000000342080_00017_38147_3743.N1 | 17-JUN-2009 00:53:55 | Dark | 34.000 | 63 | Bet Gru | 2.1500 | 2800.0 | 68 | 38147 | No |
| 7 | GOM_NL__2PRFIN20090617_005558_000000352080_00017_38147_3744.N1 | 17-JUN-2009 00:55:58 | Dark | 34.500 | 31 | Alp Gru | 1.7340 | 15200. | 69 | 38147 | No |
| 8 | GOM_NL__2PRFIN20090617_005759_000000422080_00017_38147_3745.N1 | 17-JUN-2009 00:57:59 | Straylight | 42.000 | 172 | Gam Gru | 3.0030 | 13100. | 84 | 38147 | No |
| 9 | GOM_NL__2PRFIN20090617_010949_000000332080_00017_38147_3746.N1 | 17-JUN-2009 01:09:49 | Twilight | 32.500 | 103 | 38Zet Sgr | 2.6000 | 9700.0 | 65 | 38147 | No |
| 10 | GOM_NL__2PRFIN20090617_011115_000000332080_00017_38147_3747.N1 | 17-JUN-2009 01:11:15 | Twilight | 33.000 | 57 | 34Sig Sgr | 2.0660 | 26000. | 66 | 38147 | No |
| 11 | GOM_NL__2PRFIN20090617_011301_000000372080_00017_38147_3748.N1 | 17-JUN-2009 01:13:01 | Twilight | 37.000 | 155 | 41Pi Sgr | 2.9000 | 6600.0 | 74 | 38147 | No |
| 12 | GOM_NL__2PRFIN20090617_012228_000000312080_00017_38147_3749.N1 | 17-JUN-2009 01:22:28 | Bright | 31.000 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 62 | 38147 | No |
| 13 | GOM_NL__2PRFIN20090617_012458_000000312080_00017_38147_3750.N1 | 17-JUN-2009 01:24:58 | Bright | 31.000 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 62 | 38147 | No |
| 14 | GOM_NL__2PRFIN20090617_013530_000000372080_00017_38147_3751.N1 | 17-JUN-2009 01:35:30 | Bright | 37.000 | 5 | 3Alp Lyr | 0.033000 | 11000. | 74 | 38147 | No |
| 15 | GOM_NL__2PRFIN20090617_013714_000000312080_00017_38147_3752.N1 | 17-JUN-2009 01:37:14 | Bright | 30.500 | 69 | 33Gam Dra | 2.2310 | 3800.0 | 61 | 38147 | No |
| 16 | GOM_NL__2PRFIN20090617_014705_000000322080_00017_38147_3753.N1 | 17-JUN-2009 01:47:05 | Twilight | 31.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 63 | 38147 | No |
| 17 | GOM_NL__2PRFIN20090617_015337_000000272080_00017_38147_3754.N1 | 17-JUN-2009 01:53:37 | Twilight | 26.500 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 53 | 38147 | No |
| 18 | GOM_NL__2PRFIN20090617_015501_000000262080_00017_38147_3755.N1 | 17-JUN-2009 01:55:01 | Twilight | 25.500 | 68 | 18Alp Cas | 2.2250 | 4500.0 | 51 | 38147 | No |
| 19 | GOM_NL__2PRFIN20090617_020237_000000262080_00017_38147_3756.N1 | 17-JUN-2009 02:02:37 | Twilight | 25.500 | 53 | 43Bet And | 2.0480 | 3300.0 | 51 | 38147 | No |
| 20 | GOM_NL__2PRFIN20090617_022207_000000352080_00017_38147_3757.N1 | 17-JUN-2009 02:22:07 | Dark | 34.500 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 69 | 38147 | No |
| 21 | GOM_NL__2PRFIN20090617_023432_000000352080_00018_38148_3754.N1 | 17-JUN-2009 02:34:32 | Dark | 34.500 | 63 | Bet Gru | 2.1500 | 2800.0 | 69 | 38148 | No |
| 22 | GOM_NL__2PRFIN20090617_023635_000000352080_00018_38148_3755.N1 | 17-JUN-2009 02:36:35 | Dark | 35.000 | 31 | Alp Gru | 1.7340 | 15200. | 70 | 38148 | No |
| 23 | GOM_NL__2PRFIN20090617_023836_000000432080_00018_38148_3756.N1 | 17-JUN-2009 02:38:36 | Straylight | 42.500 | 172 | Gam Gru | 3.0030 | 13100. | 85 | 38148 | No |
| 24 | GOM_NL__2PRFIN20090617_025025_000000332080_00018_38148_3757.N1 | 17-JUN-2009 02:50:25 | Twilight | 33.000 | 103 | 38Zet Sgr | 2.6000 | 9700.0 | 66 | 38148 | No |
| 25 | GOM_NL__2PRFIN20090617_025151_000000342080_00018_38148_3758.N1 | 17-JUN-2009 02:51:51 | Twilight | 33.500 | 57 | 34Sig Sgr | 2.0660 | 26000. | 67 | 38148 | No |
| 26 | GOM_NL__2PRFIN20090617_025337_000000372080_00018_38148_3759.N1 | 17-JUN-2009 02:53:37 | Twilight | 37.000 | 155 | 41Pi Sgr | 2.9000 | 6600.0 | 74 | 38148 | No |
| 27 | GOM_NL__2PRFIN20090617_030304_000000312080_00018_38148_3760.N1 | 17-JUN-2009 03:03:04 | Bright | 31.000 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 62 | 38148 | No |
| 28 | GOM_NL__2PRFIN20090617_030534_000000312080_00018_38148_3761.N1 | 17-JUN-2009 03:05:34 | Bright | 30.500 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 61 | 38148 | No |
| 29 | GOM_NL__2PRFIN20090617_031605_000000372080_00018_38148_3762.N1 | 17-JUN-2009 03:16:05 | Bright | 37.000 | 5 | 3Alp Lyr | 0.033000 | 11000. | 74 | 38148 | No |
| 30 | GOM_NL__2PRFIN20090617_031749_000000312080_00018_38148_3763.N1 | 17-JUN-2009 03:17:49 | Bright | 30.500 | 69 | 33Gam Dra | 2.2310 | 3800.0 | 61 | 38148 | No |
| 31 | GOM_NL__2PRFIN20090617_032740_000000312080_00018_38148_3764.N1 | 17-JUN-2009 03:27:40 | Twilight | 31.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 62 | 38148 | No |
| 32 | GOM_NL__2PRFIN20090617_033412_000000272080_00018_38148_3765.N1 | 17-JUN-2009 03:34:12 | Twilight | 27.000 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 54 | 38148 | No |
| 33 | GOM_NL__2PRFIN20090617_033537_000000262080_00018_38148_3766.N1 | 17-JUN-2009 03:35:37 | Twilight | 26.000 | 68 | 18Alp Cas | 2.2250 | 4500.0 | 52 | 38148 | No |
| 34 | GOM_NL__2PRFIN20090617_034313_000000262080_00018_38148_3767.N1 | 17-JUN-2009 03:43:13 | Twilight | 26.000 | 53 | 43Bet And | 2.0480 | 3300.0 | 52 | 38148 | No |
| 35 | GOM_NL__2PRFIN20090617_034748_000000242080_00018_38148_3768.N1 | 17-JUN-2009 03:47:48 | Dark | 23.500 | 105 | 6Bet Ari | 2.6450 | 8900.0 | 47 | 38148 | No |
| 36 | GOM_NL__2PRFIN20090617_040244_000000352080_00018_38148_3769.N1 | 17-JUN-2009 04:02:44 | Dark | 34.500 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 69 | 38148 | No |
| 37 | GOM_NL__2PRFIN20090617_041509_000000352080_00019_38149_3767.N1 | 17-JUN-2009 04:15:09 | Dark | 34.500 | 63 | Bet Gru | 2.1500 | 2800.0 | 69 | 38149 | No |
| 38 | GOM_NL__2PRFIN20090617_041712_000000352080_00019_38149_3768.N1 | 17-JUN-2009 04:17:12 | Straylight | 35.000 | 31 | Alp Gru | 1.7340 | 15200. | 70 | 38149 | No |
| 39 | GOM_NL__2PRFIN20090617_041914_000000432080_00019_38149_3769.N1 | 17-JUN-2009 04:19:14 | Straylight | 42.500 | 172 | Gam Gru | 3.0030 | 13100. | 85 | 38149 | No |
| 40 | GOM_NL__2PRFIN20090617_043101_000000332080_00019_38149_3770.N1 | 17-JUN-2009 04:31:01 | Twilight | 33.000 | 103 | 38Zet Sgr | 2.6000 | 9700.0 | 66 | 38149 | No |
| 41 | GOM_NL__2PRFIN20090617_043228_000000332080_00019_38149_3771.N1 | 17-JUN-2009 04:32:28 | Twilight | 33.000 | 57 | 34Sig Sgr | 2.0660 | 26000. | 66 | 38149 | No |
| 42 | GOM_NL__2PRFIN20090617_043413_000000382080_00019_38149_3772.N1 | 17-JUN-2009 04:34:13 | Twilight | 37.500 | 155 | 41Pi Sgr | 2.9000 | 6600.0 | 75 | 38149 | No |

| | | | | | | | | | | | |
|-----|--|----------------------|----------------|--------|-----|-----------|----------|--------|----|-------|----|
| 43 | GOM_NL__2PRFIN20090617_044340_000000312080_00019_38149_3773.N1 | 17-JUN-2009 04:43:40 | Bright | 31.000 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 62 | 38149 | No |
| 44 | GOM_NL__2PRFIN20090617_044609_000000312080_00019_38149_3774.N1 | 17-JUN-2009 04:46:09 | Bright | 30.500 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 61 | 38149 | No |
| 45 | GOM_NL__2PRFIN20090617_045641_000000372080_00019_38149_3775.N1 | 17-JUN-2009 04:56:41 | Bright | 37.000 | 5 | 3Alp Lyr | 0.033000 | 11000. | 74 | 38149 | No |
| 46 | GOM_NL__2PRFIN20090617_045824_000000312080_00019_38149_3776.N1 | 17-JUN-2009 04:58:24 | Bright | 30.500 | 69 | 33Gam Dra | 2.2310 | 3800.0 | 61 | 38149 | No |
| 47 | GOM_NL__2PRFIN20090617_050816_000000312080_00019_38149_3777.N1 | 17-JUN-2009 05:08:16 | Tw_i_and_stray | 31.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 62 | 38149 | No |
| 48 | GOM_NL__2PRFIN20090617_051448_000000272080_00019_38149_3778.N1 | 17-JUN-2009 05:14:48 | Tw_i_and_stray | 27.000 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 54 | 38149 | No |
| 49 | GOM_NL__2PRFIN20090617_051613_000000262080_00019_38149_3779.N1 | 17-JUN-2009 05:16:13 | Tw_i_and_stray | 25.500 | 68 | 18Alp Cas | 2.2250 | 4500.0 | 51 | 38149 | No |
| 50 | GOM_NL__2PRFIN20090617_052349_000000272080_00019_38149_3780.N1 | 17-JUN-2009 05:23:49 | Tw_i_and_stray | 26.500 | 53 | 43Bet And | 2.0480 | 3300.0 | 53 | 38149 | No |
| 51 | GOM_NL__2PRFIN20090617_052824_000000242080_00019_38149_3781.N1 | 17-JUN-2009 05:28:24 | Dark | 23.500 | 105 | 6Bet Ari | 2.6450 | 8900.0 | 47 | 38149 | No |
| 52 | GOM_NL__2PRFIN20090617_054321_000000352080_00019_38149_3782.N1 | 17-JUN-2009 05:43:21 | Dark | 35.000 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 70 | 38149 | No |
| 53 | GOM_NL__2PRFIN20090617_055546_000000352080_00020_38150_3786.N1 | 17-JUN-2009 05:55:46 | Dark | 34.500 | 63 | Bet Gru | 2.1500 | 2800.0 | 69 | 38150 | No |
| 54 | GOM_NL__2PRFIN20090617_055749_000000352080_00020_38150_3787.N1 | 17-JUN-2009 05:57:49 | Straylight | 34.500 | 31 | Alp Gru | 1.7340 | 15200. | 69 | 38150 | No |
| 55 | GOM_NL__2PRFIN20090617_055951_000000432080_00020_38150_3788.N1 | 17-JUN-2009 05:59:51 | Straylight | 42.500 | 172 | Gam Gru | 3.0030 | 13100. | 85 | 38150 | No |
| 56 | GOM_NL__2PRFIN20090617_061138_000000332080_00020_38150_3789.N1 | 17-JUN-2009 06:11:38 | Tw_i_and_stray | 33.000 | 103 | 38Zet Sgr | 2.6000 | 9700.0 | 66 | 38150 | No |
| 57 | GOM_NL__2PRFIN20090617_061304_000000342080_00020_38150_3790.N1 | 17-JUN-2009 06:13:04 | Tw_i_and_stray | 33.500 | 57 | 34Sig Sgr | 2.0660 | 26000. | 67 | 38150 | No |
| 58 | GOM_NL__2PRFIN20090617_061450_000000372080_00020_38150_3791.N1 | 17-JUN-2009 06:14:50 | Tw_i_and_stray | 37.000 | 155 | 41Pi Sgr | 2.9000 | 6600.0 | 74 | 38150 | No |
| 59 | GOM_NL__2PRFIN20090617_062416_000000312080_00020_38150_3792.N1 | 17-JUN-2009 06:24:16 | Bright | 30.500 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 61 | 38150 | No |
| 60 | GOM_NL__2PRFIN20090617_062645_000000312080_00020_38150_3793.N1 | 17-JUN-2009 06:26:45 | Bright | 31.000 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 62 | 38150 | No |
| 61 | GOM_NL__2PRFIN20090617_063716_000000372080_00020_38150_3794.N1 | 17-JUN-2009 06:37:16 | Bright | 37.000 | 5 | 3Alp Lyr | 0.033000 | 11000. | 74 | 38150 | No |
| 62 | GOM_NL__2PRFIN20090617_063900_000000312080_00020_38150_3795.N1 | 17-JUN-2009 06:39:00 | Bright | 30.500 | 69 | 33Gam Dra | 2.2310 | 3800.0 | 61 | 38150 | No |
| 63 | GOM_NL__2PRFIN20090617_064851_000000312080_00020_38150_3796.N1 | 17-JUN-2009 06:48:51 | Tw_i_and_stray | 31.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 62 | 38150 | No |
| 64 | GOM_NL__2PRFIN20090617_065524_000000272080_00020_38150_3797.N1 | 17-JUN-2009 06:55:24 | Tw_i_and_stray | 27.000 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 54 | 38150 | No |
| 65 | GOM_NL__2PRFIN20090617_065648_000000262080_00020_38150_3798.N1 | 17-JUN-2009 06:56:48 | Tw_i_and_stray | 26.000 | 68 | 18Alp Cas | 2.2250 | 4500.0 | 52 | 38150 | No |
| 66 | GOM_NL__2PRFIN20090617_070425_000000262080_00020_38150_3799.N1 | 17-JUN-2009 07:04:25 | Tw_i_and_stray | 26.000 | 53 | 43Bet And | 2.0480 | 3300.0 | 52 | 38150 | No |
| 67 | GOM_NL__2PRFIN20090617_070900_000000242080_00020_38150_3800.N1 | 17-JUN-2009 07:09:00 | Dark | 23.500 | 105 | 6Bet Ari | 2.6450 | 8900.0 | 47 | 38150 | No |
| 68 | GOM_NL__2PRFIN20090617_072358_000000352080_00020_38150_3801.N1 | 17-JUN-2009 07:23:58 | Dark | 34.500 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 69 | 38150 | No |
| 69 | GOM_NL__2PRFIN20090617_073623_000000342080_00021_38151_3800.N1 | 17-JUN-2009 07:36:23 | Dark | 34.000 | 63 | Bet Gru | 2.1500 | 2800.0 | 68 | 38151 | No |
| 70 | GOM_NL__2PRFIN20090617_073826_000000352080_00021_38151_3801.N1 | 17-JUN-2009 07:38:26 | Straylight | 34.500 | 31 | Alp Gru | 1.7340 | 15200. | 69 | 38151 | No |
| 71 | GOM_NL__2PRFIN20090617_074029_000000432080_00021_38151_3802.N1 | 17-JUN-2009 07:40:29 | Straylight | 42.500 | 172 | Gam Gru | 3.0030 | 13100. | 85 | 38151 | No |
| 72 | GOM_NL__2PRFIN20090617_075214_000000332080_00021_38151_3803.N1 | 17-JUN-2009 07:52:14 | Tw_i_and_stray | 33.000 | 103 | 38Zet Sgr | 2.6000 | 9700.0 | 66 | 38151 | No |
| 73 | GOM_NL__2PRFIN20090617_075340_000000342080_00021_38151_3804.N1 | 17-JUN-2009 07:53:40 | Tw_i_and_stray | 33.500 | 57 | 34Sig Sgr | 2.0660 | 26000. | 67 | 38151 | No |
| 74 | GOM_NL__2PRFIN20090617_075526_000000372080_00021_38151_3805.N1 | 17-JUN-2009 07:55:26 | Tw_i_and_stray | 36.500 | 155 | 41Pi Sgr | 2.9000 | 6600.0 | 73 | 38151 | No |
| 75 | GOM_NL__2PRFIN20090617_080451_000000312080_00021_38151_3806.N1 | 17-JUN-2009 08:04:51 | Bright | 31.000 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 62 | 38151 | No |
| 76 | GOM_NL__2PRFIN20090617_080721_000000312080_00021_38151_3807.N1 | 17-JUN-2009 08:07:21 | Bright | 30.500 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 61 | 38151 | No |
| 77 | GOM_NL__2PRFIN20090617_081751_000000372080_00021_38151_3808.N1 | 17-JUN-2009 08:17:51 | Bright | 37.000 | 5 | 3Alp Lyr | 0.033000 | 11000. | 74 | 38151 | No |
| 78 | GOM_NL__2PRFIN20090617_081935_000000312080_00021_38151_3809.N1 | 17-JUN-2009 08:19:35 | Bright | 30.500 | 69 | 33Gam Dra | 2.2310 | 3800.0 | 61 | 38151 | No |
| 79 | GOM_NL__2PRFIN20090617_082927_000000322080_00021_38151_3810.N1 | 17-JUN-2009 08:29:27 | Tw_i_and_stray | 31.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 63 | 38151 | No |
| 80 | GOM_NL__2PRFIN20090617_083559_000000272080_00021_38151_3811.N1 | 17-JUN-2009 08:35:59 | Tw_i_and_stray | 27.000 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 54 | 38151 | No |
| 81 | GOM_NL__2PRFIN20090617_083724_000000262080_00021_38151_3812.N1 | 17-JUN-2009 08:37:24 | Tw_i_and_stray | 26.000 | 68 | 18Alp Cas | 2.2250 | 4500.0 | 52 | 38151 | No |
| 82 | GOM_NL__2PRFIN20090617_084501_000000272080_00021_38151_3813.N1 | 17-JUN-2009 08:45:01 | Tw_i_and_stray | 26.500 | 53 | 43Bet And | 2.0480 | 3300.0 | 53 | 38151 | No |
| 83 | GOM_NL__2PRFIN20090617_084936_000000242080_00021_38151_3814.N1 | 17-JUN-2009 08:49:36 | Dark | 23.500 | 105 | 6Bet Ari | 2.6450 | 8900.0 | 47 | 38151 | No |
| 84 | GOM_NL__2PRFIN20090617_090435_000000352080_00021_38151_3815.N1 | 17-JUN-2009 09:04:35 | Dark | 34.500 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 69 | 38151 | No |
| 85 | GOM_NL__2PRFIN20090617_091700_000000342080_00022_38152_3814.N1 | 17-JUN-2009 09:17:00 | Dark | 34.000 | 63 | Bet Gru | 2.1500 | 2800.0 | 68 | 38152 | No |
| 86 | GOM_NL__2PRFIN20090617_091903_000000352080_00022_38152_3815.N1 | 17-JUN-2009 09:19:03 | Straylight | 34.500 | 31 | Alp Gru | 1.7340 | 15200. | 69 | 38152 | No |
| 87 | GOM_NL__2PRFIN20090617_092106_000000432080_00022_38152_3816.N1 | 17-JUN-2009 09:21:06 | Straylight | 42.500 | 172 | Gam Gru | 3.0030 | 13100. | 85 | 38152 | No |
| 88 | GOM_NL__2PRFIN20090617_093250_000000332080_00022_38152_3817.N1 | 17-JUN-2009 09:32:50 | Tw_i_and_stray | 33.000 | 103 | 38Zet Sgr | 2.6000 | 9700.0 | 66 | 38152 | No |
| 89 | GOM_NL__2PRFIN20090617_093417_000000332080_00022_38152_3818.N1 | 17-JUN-2009 09:34:17 | Tw_i_and_stray | 33.000 | 57 | 34Sig Sgr | 2.0660 | 26000. | 66 | 38152 | No |
| 90 | GOM_NL__2PRFIN20090617_093602_000000362080_00022_38152_3819.N1 | 17-JUN-2009 09:36:02 | Tw_i_and_stray | 36.000 | 155 | 41Pi Sgr | 2.9000 | 6600.0 | 72 | 38152 | No |
| 91 | GOM_NL__2PRFIN20090617_094527_000000312080_00022_38152_3820.N1 | 17-JUN-2009 09:45:27 | Bright | 30.500 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 61 | 38152 | No |
| 92 | GOM_NL__2PRFIN20090617_094756_000000312080_00022_38152_3821.N1 | 17-JUN-2009 09:47:56 | Bright | 30.500 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 61 | 38152 | No |
| 93 | GOM_NL__2PRFIN20090617_095826_000000372080_00022_38152_3822.N1 | 17-JUN-2009 09:58:26 | Bright | 36.500 | 5 | 3Alp Lyr | 0.033000 | 11000. | 73 | 38152 | No |
| 94 | GOM_NL__2PRFIN20090617_100011_000000302080_00022_38152_3823.N1 | 17-JUN-2009 10:00:11 | Bright | 30.000 | 69 | 33Gam Dra | 2.2310 | 3800.0 | 60 | 38152 | No |
| 95 | GOM_NL__2PRFIN20090617_101001_000000322080_00022_38152_3824.N1 | 17-JUN-2009 10:10:01 | Tw_i_and_stray | 31.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 63 | 38152 | No |
| 96 | GOM_NL__2PRFIN20090617_101635_000000272080_00022_38152_3825.N1 | 17-JUN-2009 10:16:35 | Tw_i_and_stray | 27.000 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 54 | 38152 | No |
| 97 | GOM_NL__2PRFIN20090617_101800_000000262080_00022_38152_3826.N1 | 17-JUN-2009 10:18:00 | Tw_i_and_stray | 25.500 | 68 | 18Alp Cas | 2.2250 | 4500.0 | 51 | 38152 | No |
| 98 | GOM_NL__2PRFIN20090617_102537_000000272080_00022_38152_3827.N1 | 17-JUN-2009 10:25:37 | Tw_i_and_stray | 26.500 | 53 | 43Bet And | 2.0480 | 3300.0 | 53 | 38152 | No |
| 99 | GOM_NL__2PRFIN20090617_103013_000000242080_00022_38152_3828.N1 | 17-JUN-2009 10:30:13 | Dark | 24.000 | 105 | 6Bet Ari | 2.6450 | 8900.0 | 48 | 38152 | No |
| 100 | GOM_NL__2PRFIN20090617_104512_000000352080_00022_38152_3829.N1 | 17-JUN-2009 10:45:12 | Dark | 35.000 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 70 | 38152 | No |
| 101 | GOM_NL__2PRFIN20090617_105736_000000352080_00023_38153_3838.N1 | 17-JUN-2009 10:57:36 | Dark | 34.500 | 63 | Bet Gru | 2.1500 | 2800.0 | 69 | 38153 | No |

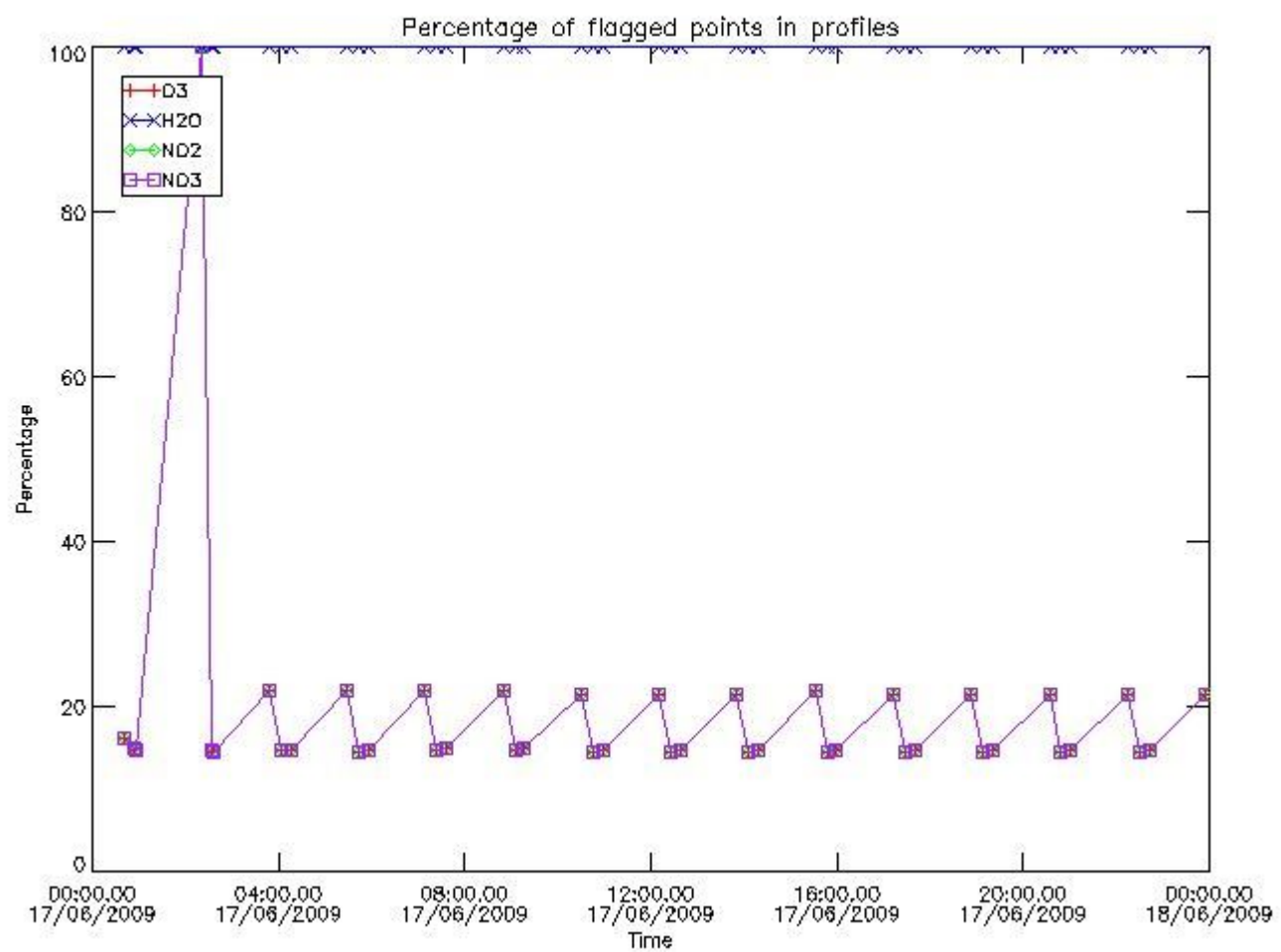
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|-----|--|----------------------|---------------|--------|-----|-----------|----------|--------|----|-------|----|
| 102 | GOM_NL__2PRFIN20090617_105940_000000352080_00023_38153_3839.N1 | 17-JUN-2009 10:59:40 | Straylight | 34.500 | 31 | Alp Gru | 1.7340 | 15200. | 69 | 38153 | No |
| 103 | GOM_NL__2PRFIN20090617_110143_000000432080_00023_38153_3840.N1 | 17-JUN-2009 11:01:43 | Straylight | 42.500 | 172 | Gam Gru | 3.0030 | 13100. | 85 | 38153 | No |
| 104 | GOM_NL__2PRFIN20090617_111327_000000332080_00023_38153_3841.N1 | 17-JUN-2009 11:13:27 | Twi_and_stray | 33.000 | 103 | 38Zet Sgr | 2.6000 | 9700.0 | 66 | 38153 | No |
| 105 | GOM_NL__2PRFIN20090617_111453_000000332080_00023_38153_3842.N1 | 17-JUN-2009 11:14:53 | Twi_and_stray | 33.000 | 57 | 34Sig Sgr | 2.0660 | 26000. | 66 | 38153 | No |
| 106 | GOM_NL__2PRFIN20090617_111638_000000372080_00023_38153_3843.N1 | 17-JUN-2009 11:16:38 | Twi_and_stray | 36.500 | 155 | 41Pi Sgr | 2.9000 | 6600.0 | 73 | 38153 | No |
| 107 | GOM_NL__2PRFIN20090617_112602_000000312080_00023_38153_3844.N1 | 17-JUN-2009 11:26:02 | Bright | 30.500 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 61 | 38153 | No |
| 108 | GOM_NL__2PRFIN20090617_112832_000000312080_00023_38153_3845.N1 | 17-JUN-2009 11:28:32 | Bright | 30.500 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 61 | 38153 | No |
| 109 | GOM_NL__2PRFIN20090617_113901_000000372080_00023_38153_3846.N1 | 17-JUN-2009 11:39:01 | Bright | 37.000 | 5 | 3Alp Lyr | 0.033000 | 11000. | 74 | 38153 | No |
| 110 | GOM_NL__2PRFIN20090617_114046_000000302080_00023_38153_3847.N1 | 17-JUN-2009 11:40:46 | Bright | 30.000 | 69 | 33Gam Dra | 2.2310 | 3800.0 | 60 | 38153 | No |
| 111 | GOM_NL__2PRFIN20090617_115037_000000322080_00023_38153_3848.N1 | 17-JUN-2009 11:50:37 | Twi_and_stray | 31.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 63 | 38153 | No |
| 112 | GOM_NL__2PRFIN20090617_115710_000000272080_00023_38153_3849.N1 | 17-JUN-2009 11:57:10 | Twi_and_stray | 27.000 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 54 | 38153 | No |
| 113 | GOM_NL__2PRFIN20090617_115835_000000262080_00023_38153_3850.N1 | 17-JUN-2009 11:58:35 | Twi_and_stray | 26.000 | 68 | 18Alp Cas | 2.2250 | 4500.0 | 52 | 38153 | No |
| 114 | GOM_NL__2PRFIN20090617_120613_000000262080_00023_38153_3851.N1 | 17-JUN-2009 12:06:13 | Twi_and_stray | 26.000 | 53 | 43Bet And | 2.0480 | 3300.0 | 52 | 38153 | No |
| 115 | GOM_NL__2PRFIN20090617_121049_000000242080_00023_38153_3852.N1 | 17-JUN-2009 12:10:49 | Dark | 24.000 | 105 | 6Bet Ari | 2.6450 | 8900.0 | 48 | 38153 | No |
| 116 | GOM_NL__2PRFIN20090617_122549_000000352080_00023_38153_3853.N1 | 17-JUN-2009 12:25:49 | Dark | 35.000 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 70 | 38153 | No |
| 117 | GOM_NL__2PRFIN20090617_123813_000000352080_00024_38154_3858.N1 | 17-JUN-2009 12:38:13 | Dark | 34.500 | 63 | Bet Gru | 2.1500 | 2800.0 | 69 | 38154 | No |
| 118 | GOM_NL__2PRFIN20090617_124017_000000352080_00024_38154_3859.N1 | 17-JUN-2009 12:40:17 | Straylight | 34.500 | 31 | Alp Gru | 1.7340 | 15200. | 69 | 38154 | No |
| 119 | GOM_NL__2PRFIN20090617_124220_000000422080_00024_38154_3860.N1 | 17-JUN-2009 12:42:20 | Straylight | 42.000 | 172 | Gam Gru | 3.0030 | 13100. | 84 | 38154 | No |
| 120 | GOM_NL__2PRFIN20090617_125403_000000332080_00024_38154_3861.N1 | 17-JUN-2009 12:54:03 | Twi_and_stray | 33.000 | 103 | 38Zet Sgr | 2.6000 | 9700.0 | 66 | 38154 | No |
| 121 | GOM_NL__2PRFIN20090617_125529_000000332080_00024_38154_3862.N1 | 17-JUN-2009 12:55:29 | Twi_and_stray | 33.000 | 57 | 34Sig Sgr | 2.0660 | 26000. | 66 | 38154 | No |
| 122 | GOM_NL__2PRFIN20090617_125714_000000362080_00024_38154_3863.N1 | 17-JUN-2009 12:57:14 | Twi_and_stray | 36.000 | 155 | 41Pi Sgr | 2.9000 | 6600.0 | 72 | 38154 | No |
| 123 | GOM_NL__2PRFIN20090617_130638_000000312080_00024_38154_3864.N1 | 17-JUN-2009 13:06:38 | Bright | 30.500 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 61 | 38154 | No |
| 124 | GOM_NL__2PRFIN20090617_130908_000000312080_00024_38154_3865.N1 | 17-JUN-2009 13:09:08 | Bright | 30.500 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 61 | 38154 | No |
| 125 | GOM_NL__2PRFIN20090617_131936_000000372080_00024_38154_3866.N1 | 17-JUN-2009 13:19:36 | Bright | 37.000 | 5 | 3Alp Lyr | 0.033000 | 11000. | 74 | 38154 | No |
| 126 | GOM_NL__2PRFIN20090617_132122_000000302080_00024_38154_3867.N1 | 17-JUN-2009 13:21:22 | Bright | 30.000 | 69 | 33Gam Dra | 2.2310 | 3800.0 | 60 | 38154 | No |
| 127 | GOM_NL__2PRFIN20090617_133746_000000272080_00024_38154_3868.N1 | 17-JUN-2009 13:37:46 | Twi_and_stray | 27.000 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 54 | 38154 | No |
| 128 | GOM_NL__2PRFIN20090617_133911_000000262080_00024_38154_3869.N1 | 17-JUN-2009 13:39:11 | Twi_and_stray | 26.000 | 68 | 18Alp Cas | 2.2250 | 4500.0 | 52 | 38154 | No |
| 129 | GOM_NL__2PRFIN20090617_134649_000000262080_00024_38154_3870.N1 | 17-JUN-2009 13:46:49 | Twi_and_stray | 26.000 | 53 | 43Bet And | 2.0480 | 3300.0 | 52 | 38154 | No |
| 130 | GOM_NL__2PRFIN20090617_135125_000000242080_00024_38154_3871.N1 | 17-JUN-2009 13:51:25 | Dark | 24.000 | 105 | 6Bet Ari | 2.6450 | 8900.0 | 48 | 38154 | No |
| 131 | GOM_NL__2PRFIN20090617_140626_000000352080_00024_38154_3872.N1 | 17-JUN-2009 14:06:26 | Dark | 35.000 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 70 | 38154 | No |
| 132 | GOM_NL__2PRFIN20090617_141850_000000352080_00025_38155_3872.N1 | 17-JUN-2009 14:18:50 | Dark | 34.500 | 63 | Bet Gru | 2.1500 | 2800.0 | 69 | 38155 | No |
| 133 | GOM_NL__2PRFIN20090617_142054_000000352080_00025_38155_3873.N1 | 17-JUN-2009 14:20:54 | Straylight | 34.500 | 31 | Alp Gru | 1.7340 | 15200. | 69 | 38155 | No |
| 134 | GOM_NL__2PRFIN20090617_142257_000000432080_00025_38155_3874.N1 | 17-JUN-2009 14:22:57 | Straylight | 42.500 | 172 | Gam Gru | 3.0030 | 13100. | 85 | 38155 | No |
| 135 | GOM_NL__2PRFIN20090617_143439_000000332080_00025_38155_3875.N1 | 17-JUN-2009 14:34:39 | Twi_and_stray | 32.500 | 103 | 38Zet Sgr | 2.6000 | 9700.0 | 65 | 38155 | No |
| 136 | GOM_NL__2PRFIN20090617_143605_000000332080_00025_38155_3876.N1 | 17-JUN-2009 14:36:05 | Twi_and_stray | 33.000 | 57 | 34Sig Sgr | 2.0660 | 26000. | 66 | 38155 | No |
| 137 | GOM_NL__2PRFIN20090617_143750_000000372080_00025_38155_3877.N1 | 17-JUN-2009 14:37:50 | Twi_and_stray | 37.000 | 155 | 41Pi Sgr | 2.9000 | 6600.0 | 74 | 38155 | No |
| 138 | GOM_NL__2PRFIN20090617_144714_000000312080_00025_38155_3878.N1 | 17-JUN-2009 14:47:14 | Bright | 30.500 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 61 | 38155 | No |
| 139 | GOM_NL__2PRFIN20090617_144943_000000312080_00025_38155_3879.N1 | 17-JUN-2009 14:49:43 | Bright | 30.500 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 61 | 38155 | No |
| 140 | GOM_NL__2PRFIN20090617_150011_000000372080_00025_38155_3880.N1 | 17-JUN-2009 15:00:11 | Bright | 36.500 | 5 | 3Alp Lyr | 0.033000 | 11000. | 73 | 38155 | No |
| 141 | GOM_NL__2PRFIN20090617_150157_000000302080_00025_38155_3881.N1 | 17-JUN-2009 15:01:57 | Bright | 30.000 | 69 | 33Gam Dra | 2.2310 | 3800.0 | 60 | 38155 | No |
| 142 | GOM_NL__2PRFIN20090617_151147_000000322080_00025_38155_3882.N1 | 17-JUN-2009 15:11:47 | Twi_and_stray | 31.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 63 | 38155 | No |
| 143 | GOM_NL__2PRFIN20090617_151821_000000272080_00025_38155_3883.N1 | 17-JUN-2009 15:18:21 | Twi_and_stray | 27.000 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 54 | 38155 | No |
| 144 | GOM_NL__2PRFIN20090617_151947_000000262080_00025_38155_3884.N1 | 17-JUN-2009 15:19:47 | Twi_and_stray | 25.500 | 68 | 18Alp Cas | 2.2250 | 4500.0 | 51 | 38155 | No |
| 145 | GOM_NL__2PRFIN20090617_152725_000000272080_00025_38155_3885.N1 | 17-JUN-2009 15:27:25 | Twi_and_stray | 26.500 | 53 | 43Bet And | 2.0480 | 3300.0 | 53 | 38155 | No |
| 146 | GOM_NL__2PRFIN20090617_153201_000000242080_00025_38155_3886.N1 | 17-JUN-2009 15:32:01 | Dark | 23.500 | 105 | 6Bet Ari | 2.6450 | 8900.0 | 47 | 38155 | No |
| 147 | GOM_NL__2PRFIN20090617_154703_000000352080_00025_38155_3887.N1 | 17-JUN-2009 15:47:03 | Dark | 35.000 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 70 | 38155 | No |
| 148 | GOM_NL__2PRFIN20090617_155927_000000352080_00026_38156_3888.N1 | 17-JUN-2009 15:59:27 | Dark | 34.500 | 63 | Bet Gru | 2.1500 | 2800.0 | 69 | 38156 | No |
| 149 | GOM_NL__2PRFIN20090617_160131_000000352080_00026_38156_3889.N1 | 17-JUN-2009 16:01:31 | Straylight | 34.500 | 31 | Alp Gru | 1.7340 | 15200. | 69 | 38156 | No |
| 150 | GOM_NL__2PRFIN20090617_160334_000000432080_00026_38156_3890.N1 | 17-JUN-2009 16:03:34 | Straylight | 42.500 | 172 | Gam Gru | 3.0030 | 13100. | 85 | 38156 | No |
| 151 | GOM_NL__2PRFIN20090617_161516_000000332080_00026_38156_3891.N1 | 17-JUN-2009 16:15:16 | Twi_and_stray | 32.500 | 103 | 38Zet Sgr | 2.6000 | 9700.0 | 65 | 38156 | No |
| 152 | GOM_NL__2PRFIN20090617_161642_000000332080_00026_38156_3892.N1 | 17-JUN-2009 16:16:42 | Twi_and_stray | 33.000 | 57 | 34Sig Sgr | 2.0660 | 26000. | 66 | 38156 | No |
| 153 | GOM_NL__2PRFIN20090617_161827_000000372080_00026_38156_3893.N1 | 17-JUN-2009 16:18:27 | Twi_and_stray | 36.500 | 155 | 41Pi Sgr | 2.9000 | 6600.0 | 73 | 38156 | No |
| 154 | GOM_NL__2PRFIN20090617_162750_000000312080_00026_38156_3894.N1 | 17-JUN-2009 16:27:50 | Bright | 30.500 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 61 | 38156 | No |
| 155 | GOM_NL__2PRFIN20090617_163019_000000312080_00026_38156_3895.N1 | 17-JUN-2009 16:30:19 | Bright | 30.500 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 61 | 38156 | No |
| 156 | GOM_NL__2PRFIN20090617_164046_000000372080_00026_38156_3896.N1 | 17-JUN-2009 16:40:46 | Bright | 37.000 | 5 | 3Alp Lyr | 0.033000 | 11000. | 74 | 38156 | No |
| 157 | GOM_NL__2PRFIN20090617_164233_000000302080_00026_38156_3897.N1 | 17-JUN-2009 16:42:33 | Bright | 30.000 | 69 | 33Gam Dra | 2.2310 | 3800.0 | 60 | 38156 | No |
| 158 | GOM_NL__2PRFIN20090617_165222_000000322080_00026_38156_3898.N1 | 17-JUN-2009 16:52:22 | Twi_and_stray | 31.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 63 | 38156 | No |
| 159 | GOM_NL__2PRFIN20090617_165857_000000272080_00026_38156_3899.N1 | 17-JUN-2009 16:58:57 | Twi_and_stray | 27.000 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 54 | 38156 | No |
| 160 | GOM_NL__2PRFIN20090617_170022_000000262080_00026_38156_3900.N1 | 17-JUN-2009 17:00:22 | Twi_and_stray | 25.500 | 68 | 18Alp Cas | 2.2250 | 4500.0 | 51 | 38156 | No |

| | | | | | | | | | | | |
|-----|--|----------------------|---------------|--------|-----|-----------|----------|--------|----|-------|----|
| 220 | GOM_NL__2PRFIN20090617_232306_000000372080_00030_38160_3995.N1 | 17-JUN-2009 23:23:06 | Bright | 36.500 | 5 | 3Alp Lyr | 0.033000 | 11000. | 73 | 38160 | No |
| 221 | GOM_NL__2PRFIN20090617_232454_000000302080_00030_38160_3996.N1 | 17-JUN-2009 23:24:54 | Bright | 30.000 | 69 | 33Gam Dra | 2.2310 | 3800.0 | 60 | 38160 | No |
| 222 | GOM_NL__2PRFIN20090617_233444_000000322080_00030_38160_3997.N1 | 17-JUN-2009 23:34:44 | Twi_and_stray | 31.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 63 | 38160 | No |
| 223 | GOM_NL__2PRFIN20090617_234119_000000272080_00030_38160_3998.N1 | 17-JUN-2009 23:41:19 | Twi_and_stray | 27.000 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 54 | 38160 | No |
| 224 | GOM_NL__2PRFIN20090617_234245_000000262080_00030_38160_3999.N1 | 17-JUN-2009 23:42:45 | Twi_and_stray | 26.000 | 68 | 18Alp Cas | 2.2250 | 4500.0 | 52 | 38160 | No |
| 225 | GOM_NL__2PRFIN20090617_235025_000000272080_00030_38160_4000.N1 | 17-JUN-2009 23:50:25 | Twi_and_stray | 26.500 | 53 | 43Bet And | 2.0480 | 3300.0 | 53 | 38160 | No |
| 226 | GOM_NL__2PRFIN20090617_235502_000000242080_00030_38160_4001.N1 | 17-JUN-2009 23:55:02 | Dark | 23.500 | 105 | 6Bet Ari | 2.6450 | 8900.0 | 47 | 38160 | No |

3. Quality information per product

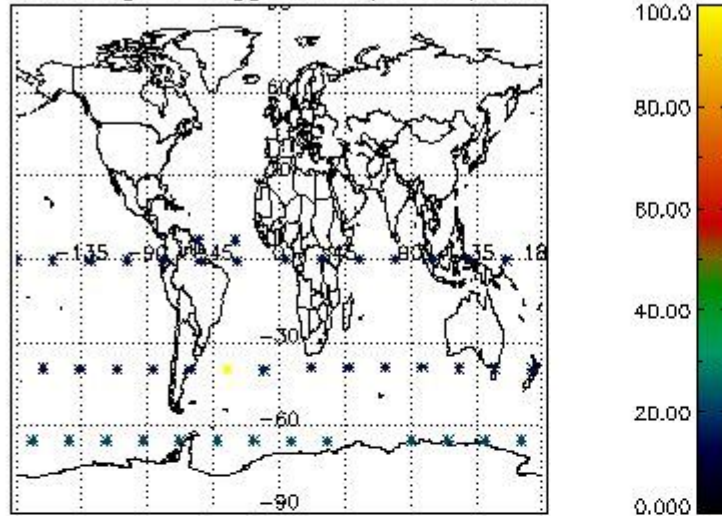
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

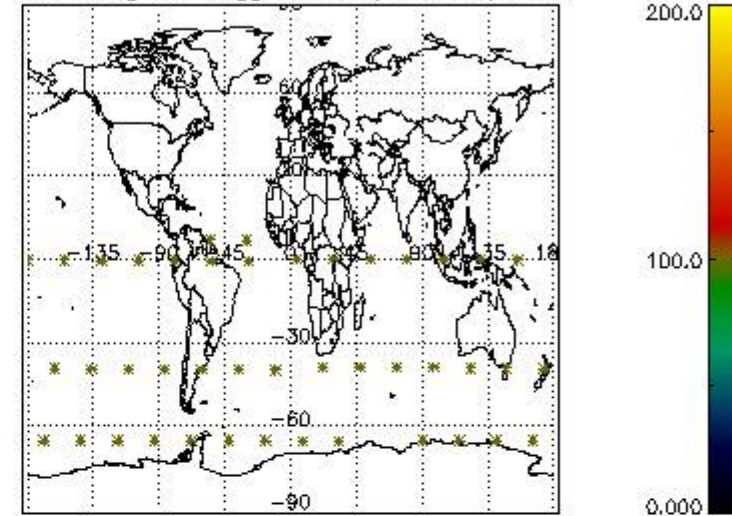


3.2 Plot quality information per product (world map)

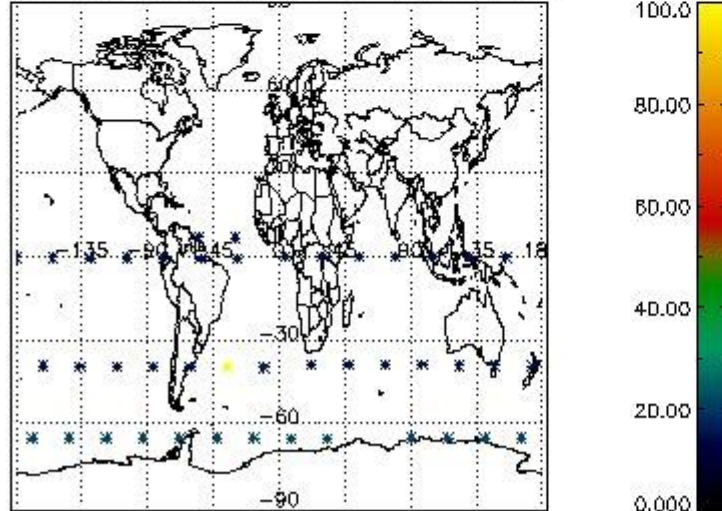
Percentage of flagged data per O3 profile



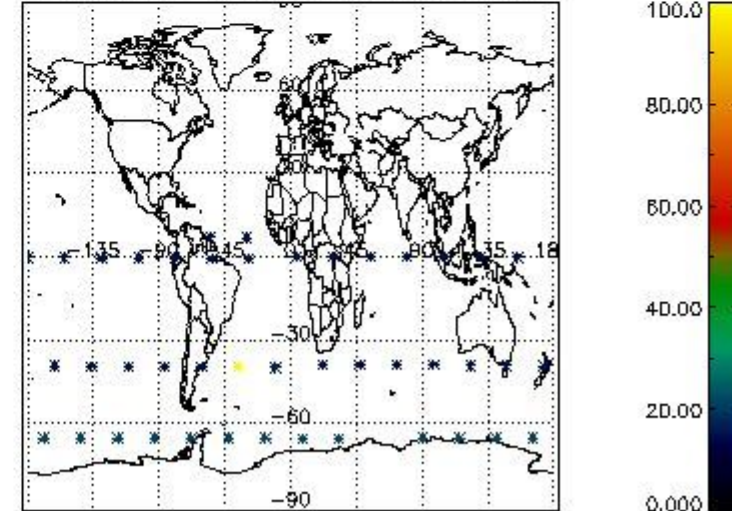
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

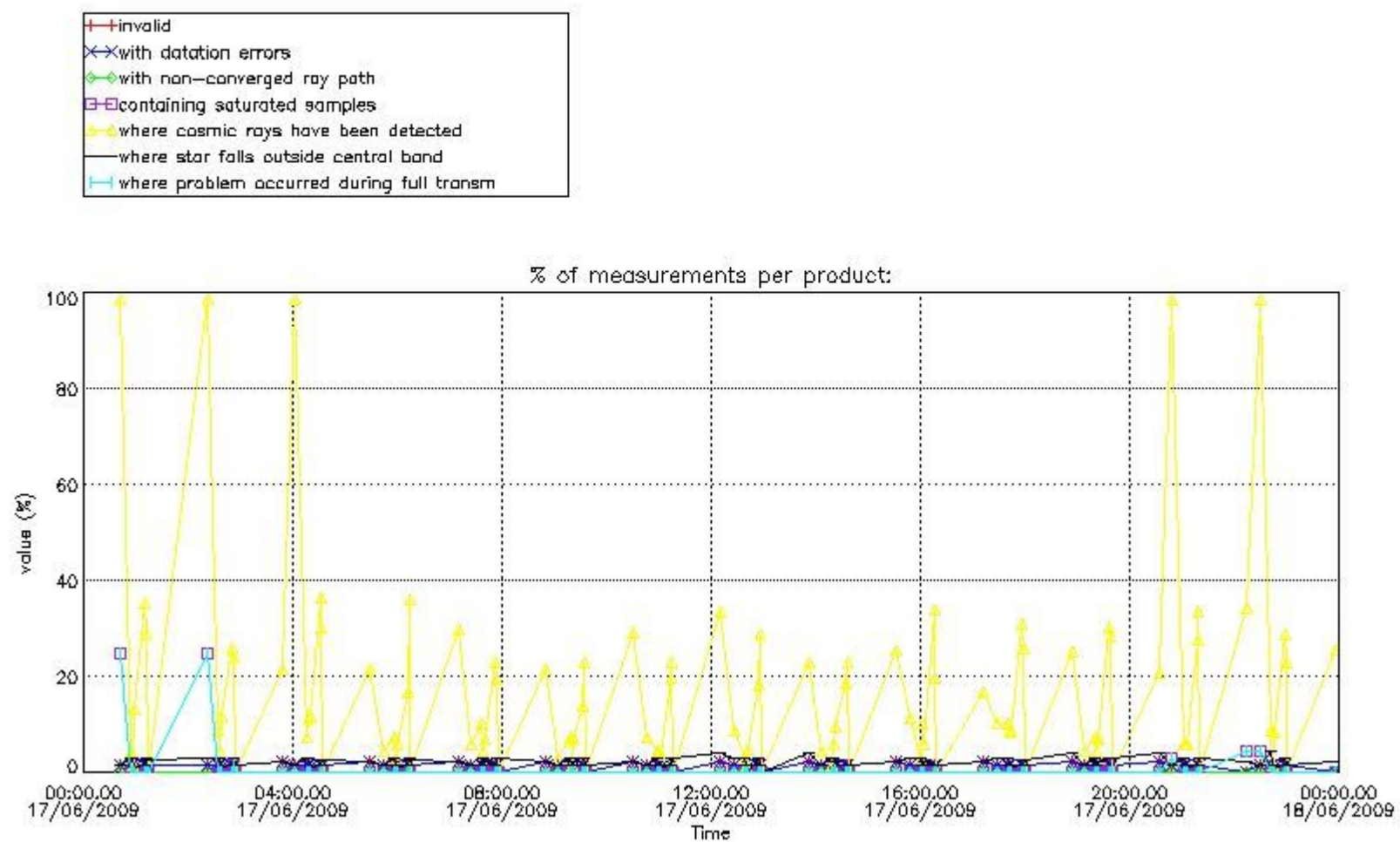


4. Level 1 quality information per product

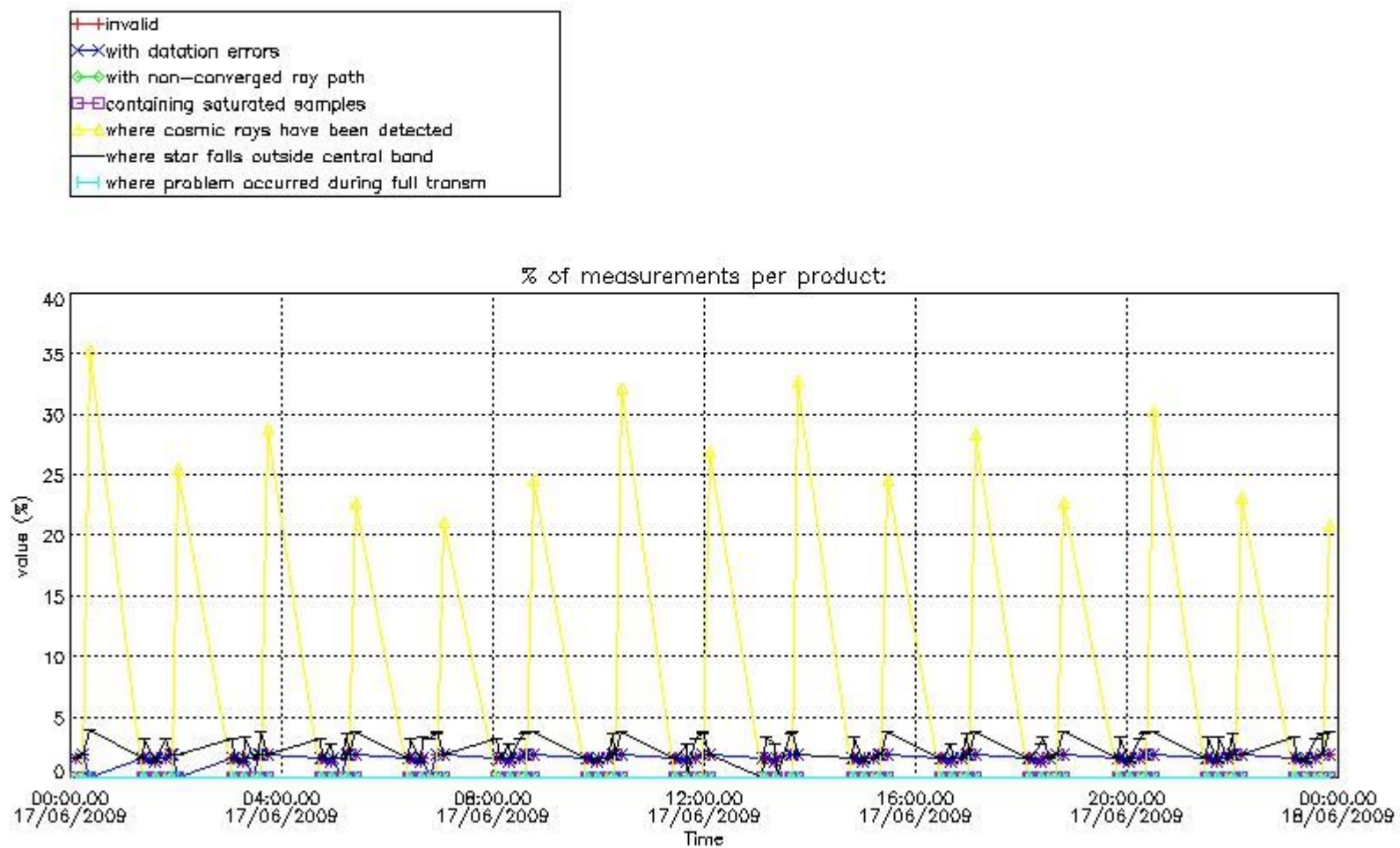
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

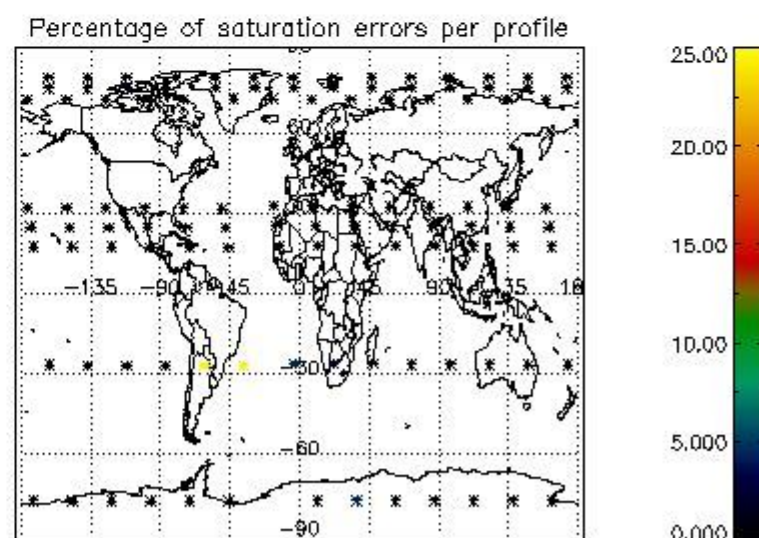
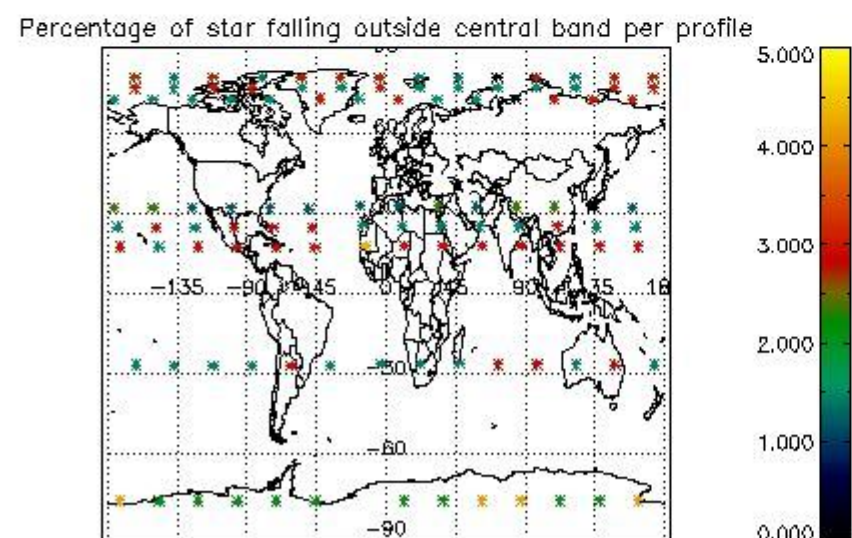
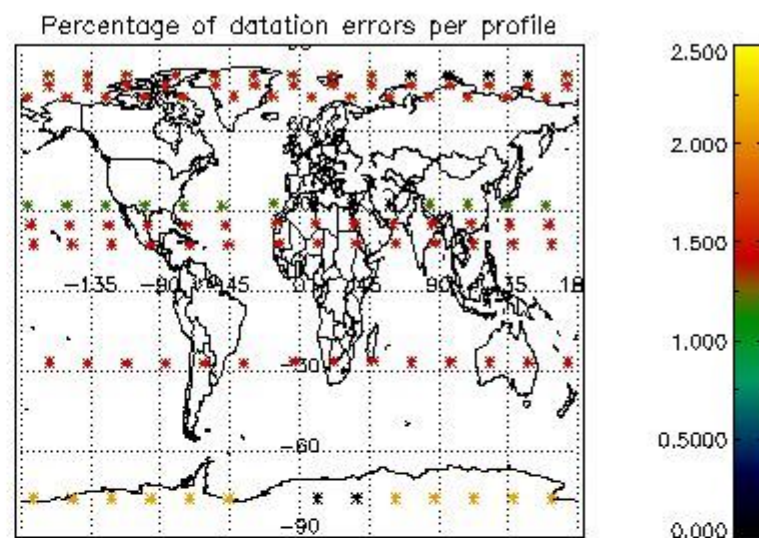
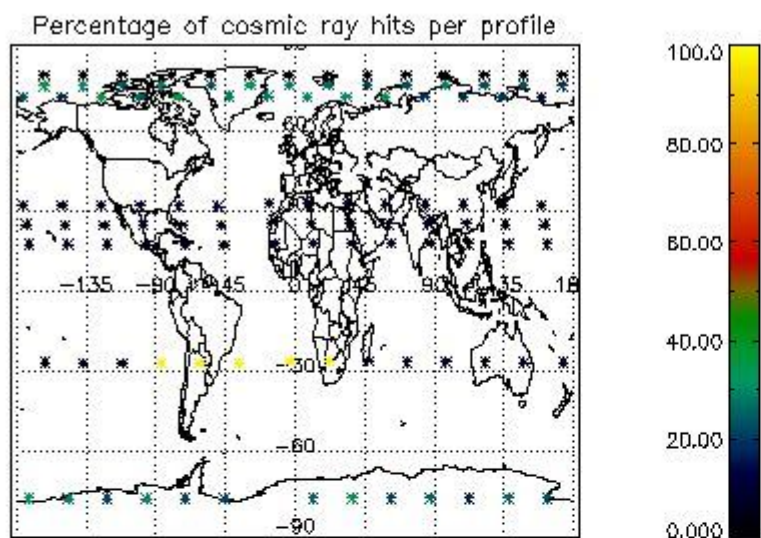


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

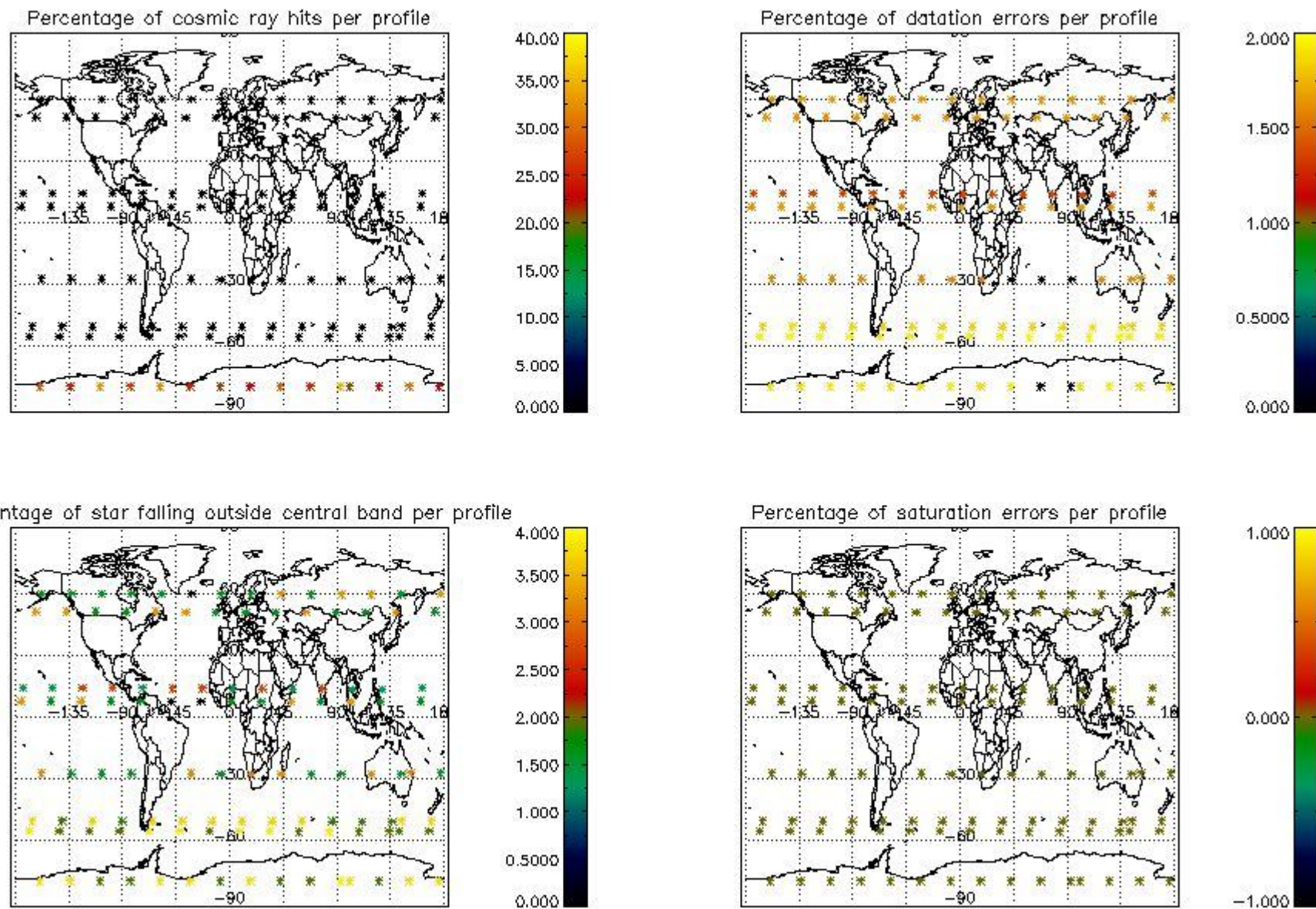


4.2 Plot quality information per product coming from level 1b processing (world map)

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

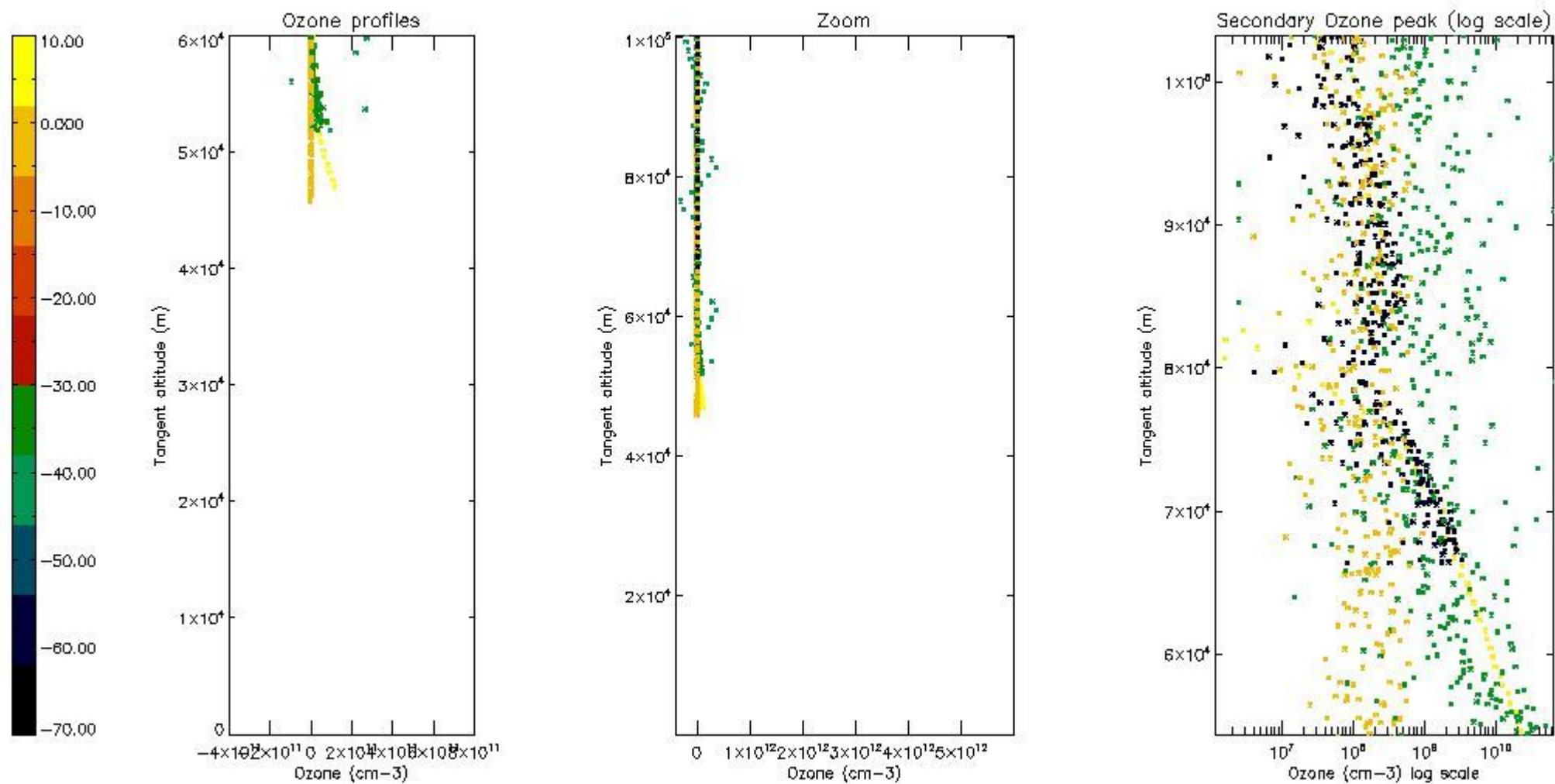
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

| Criteria | % of total production |
|----------|-----------------------|
| All STD | 18 |
| STD < 20 | 1 |

| | |
|----------|---|
| STD < 10 | 0 |
| STD < 5 | 0 |

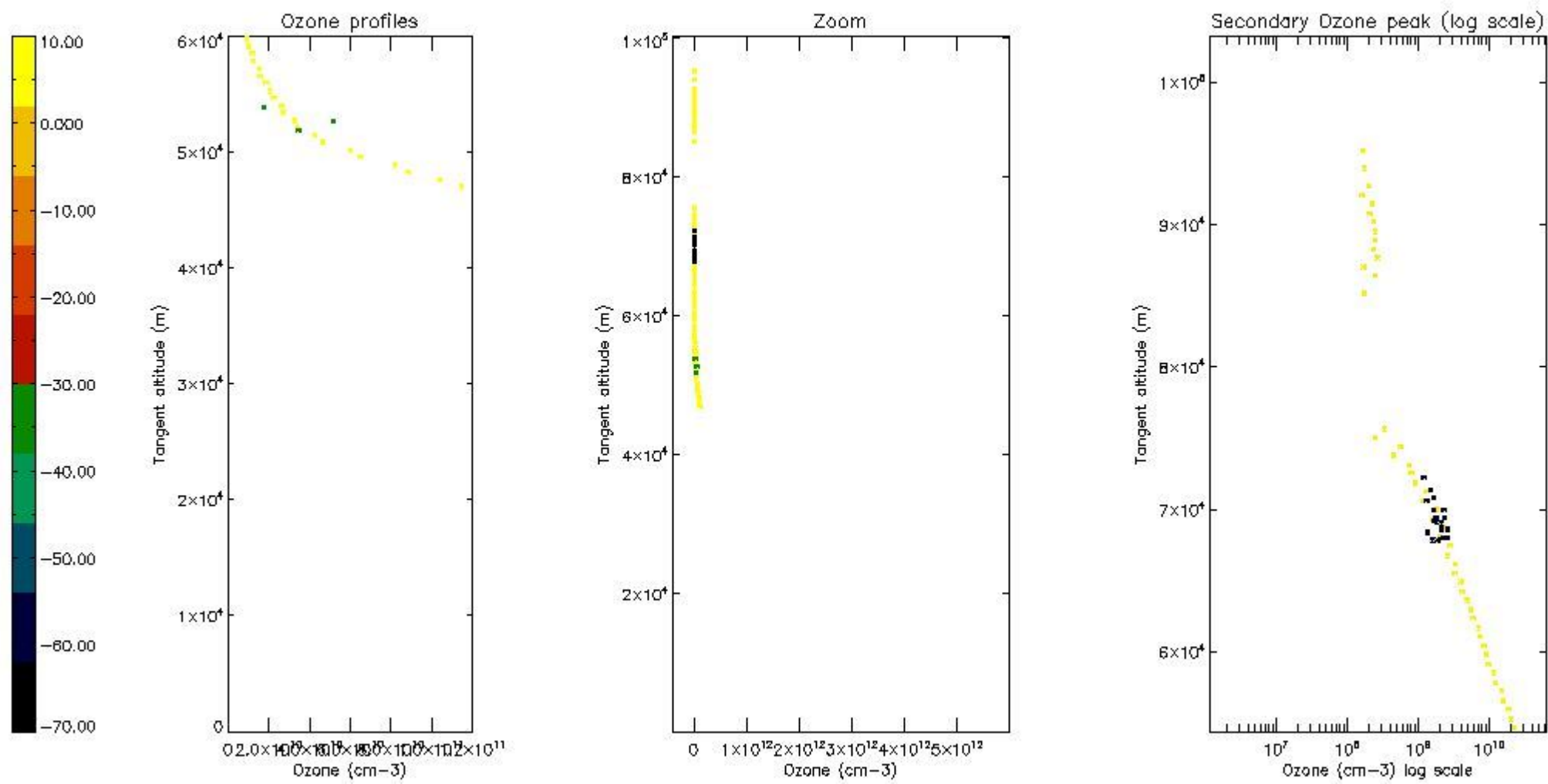
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



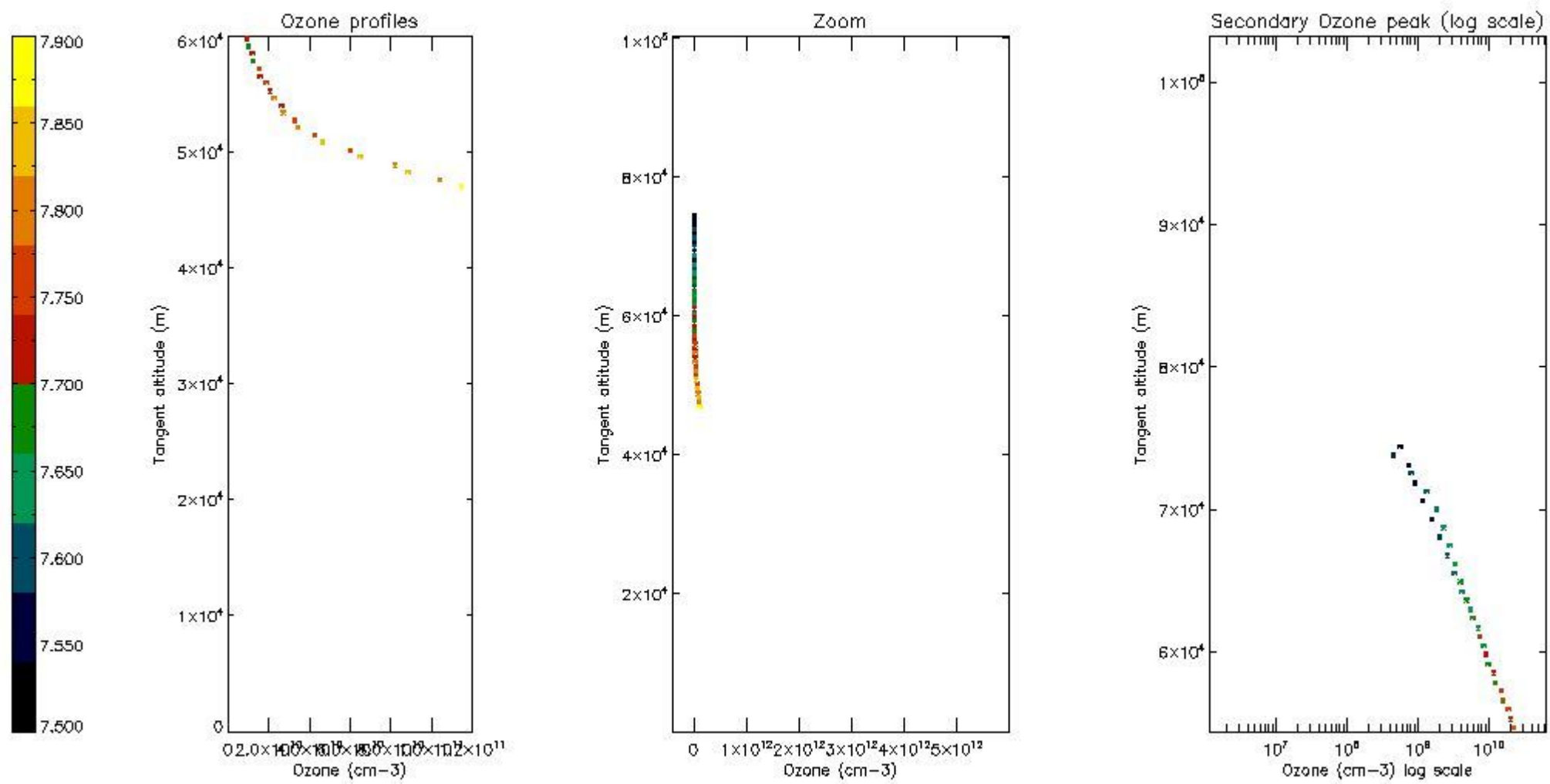
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



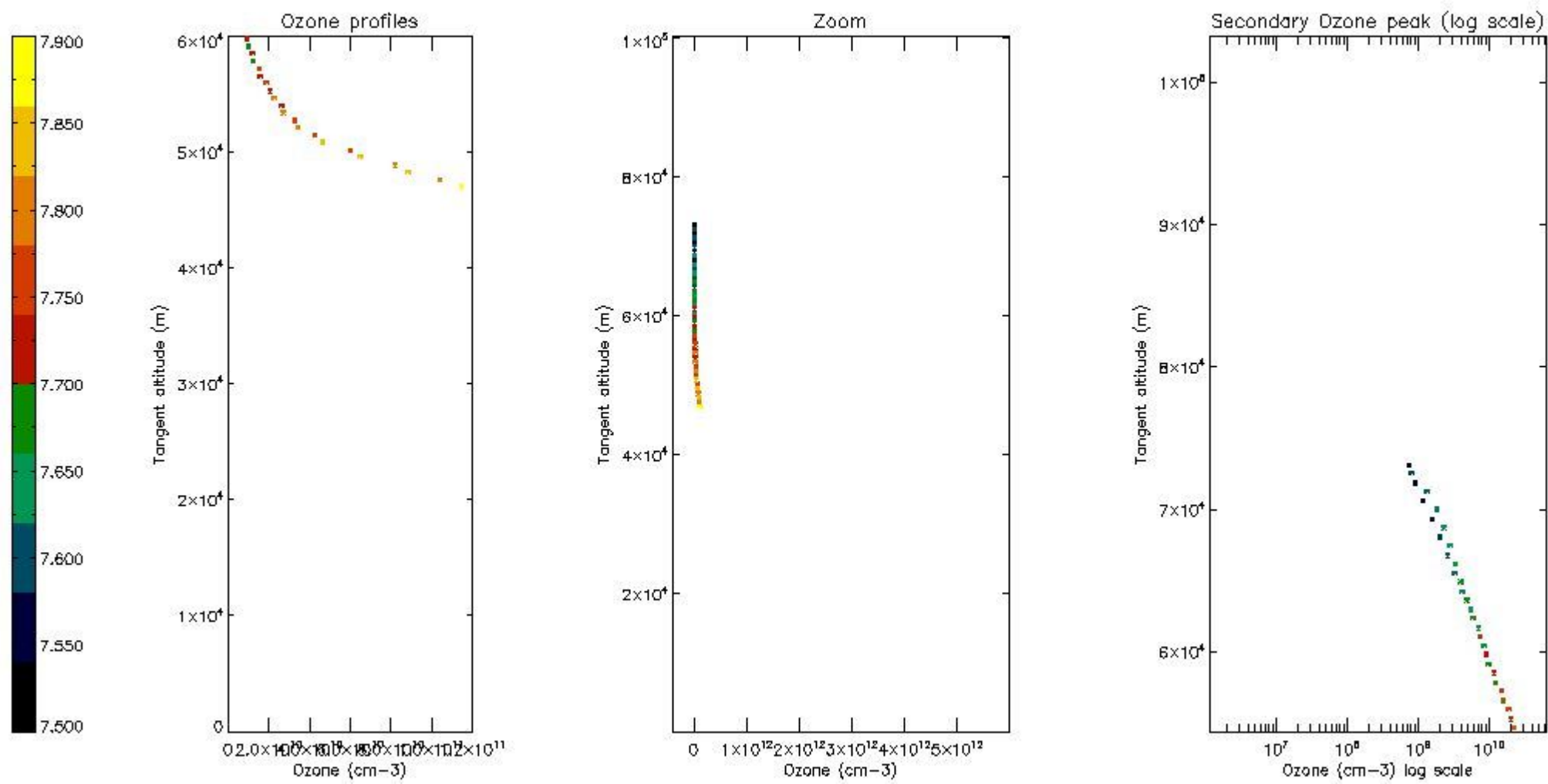
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



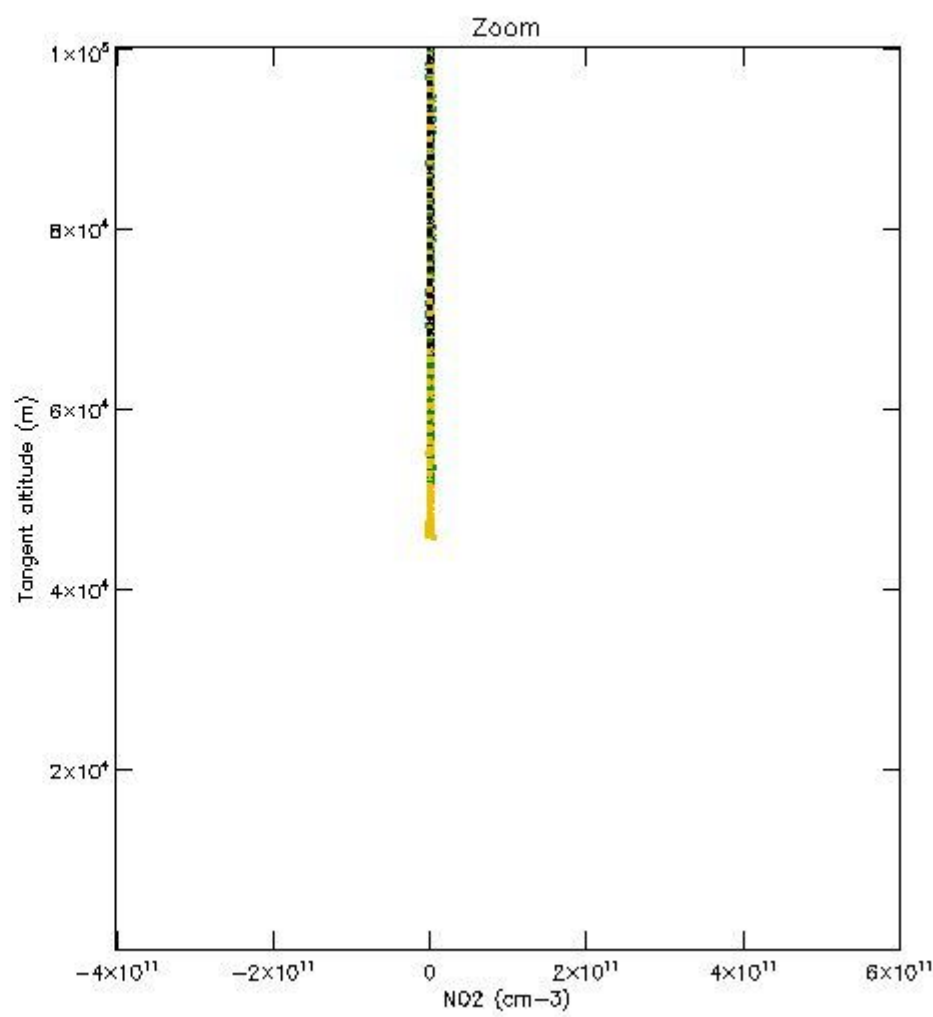
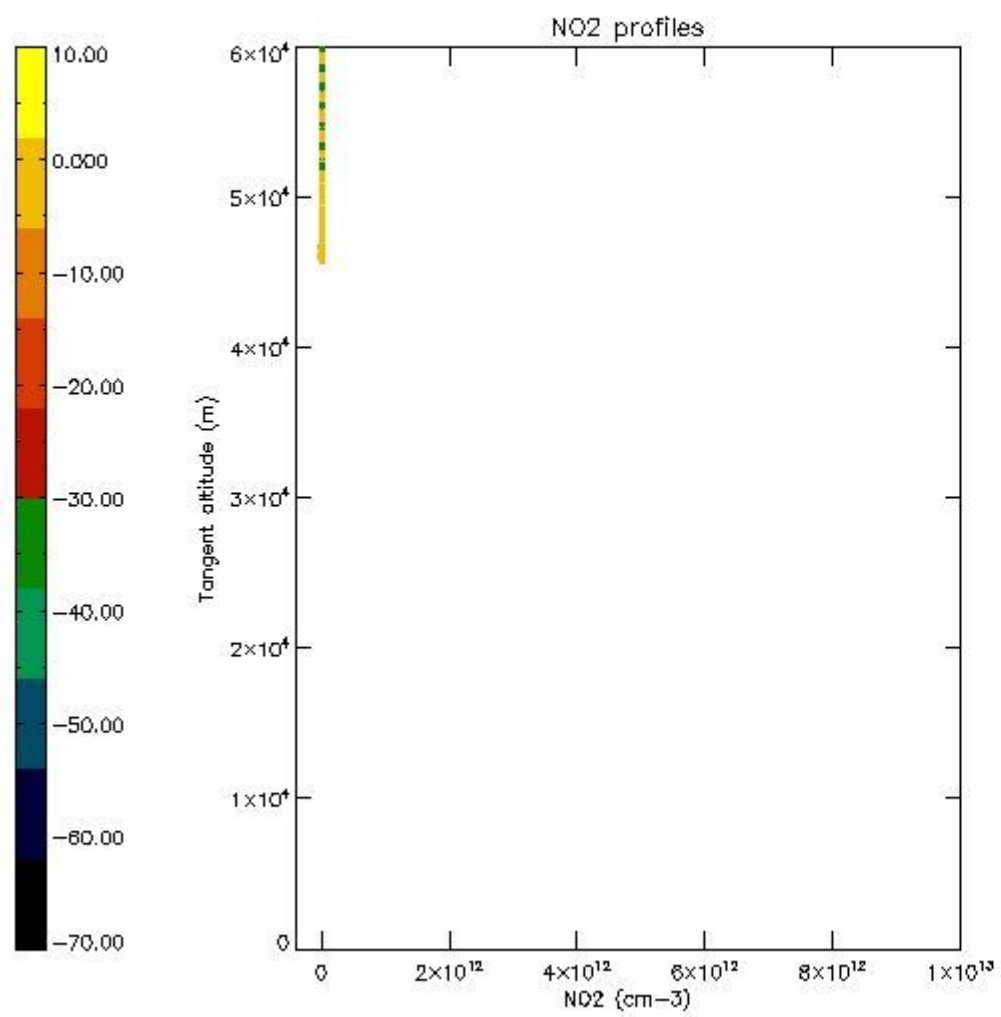
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



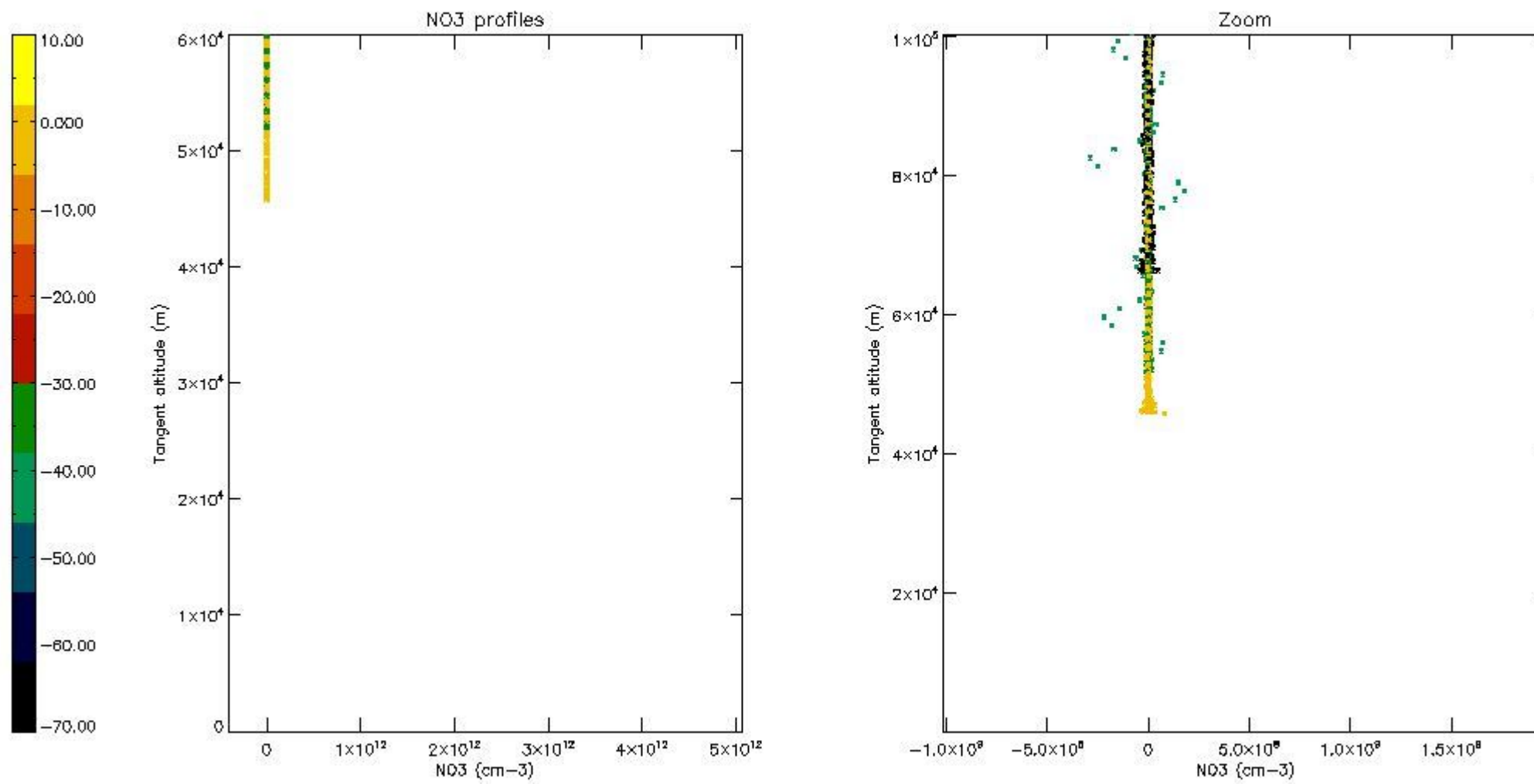
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

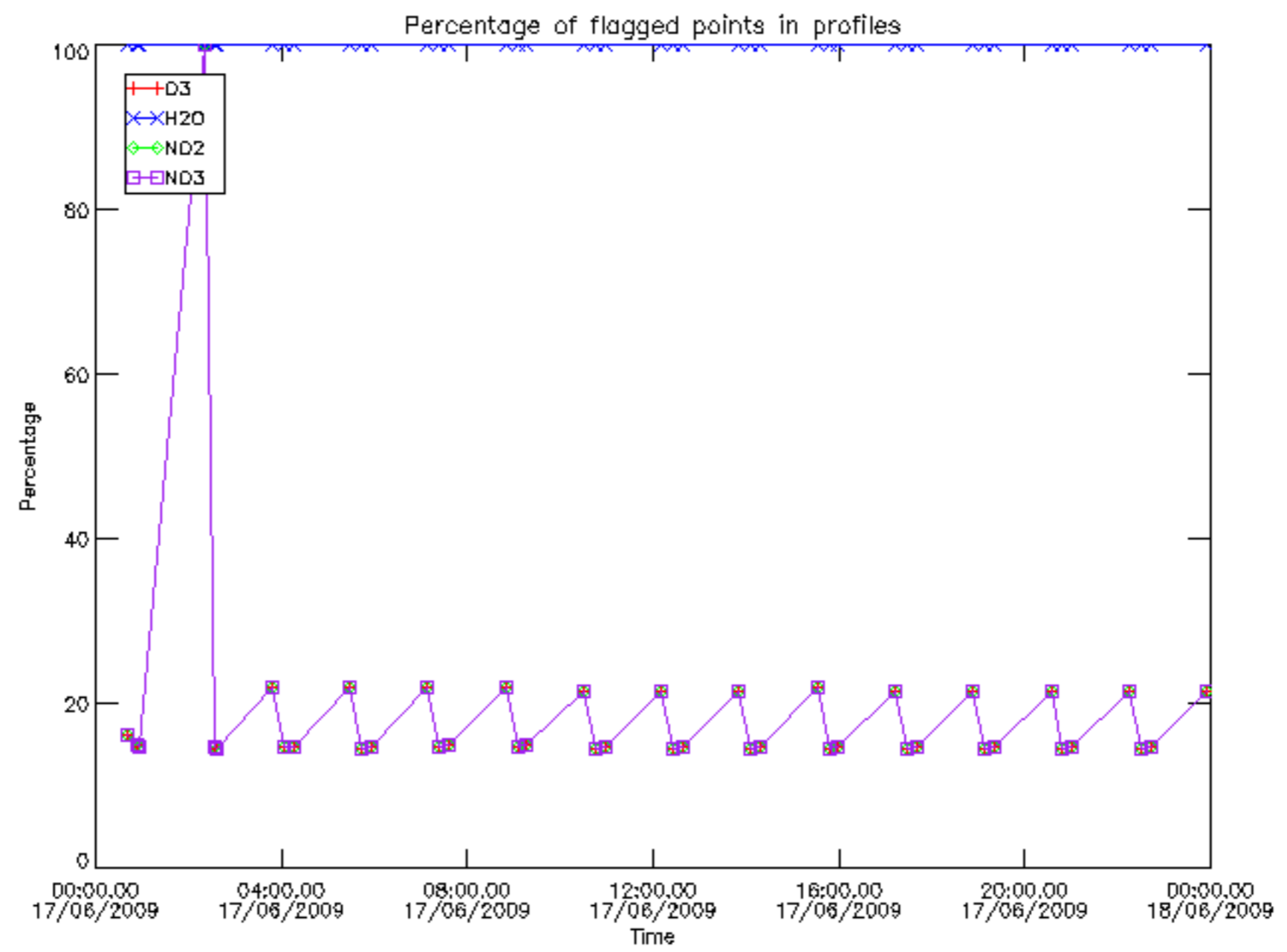
The colorbar represents the latitude.



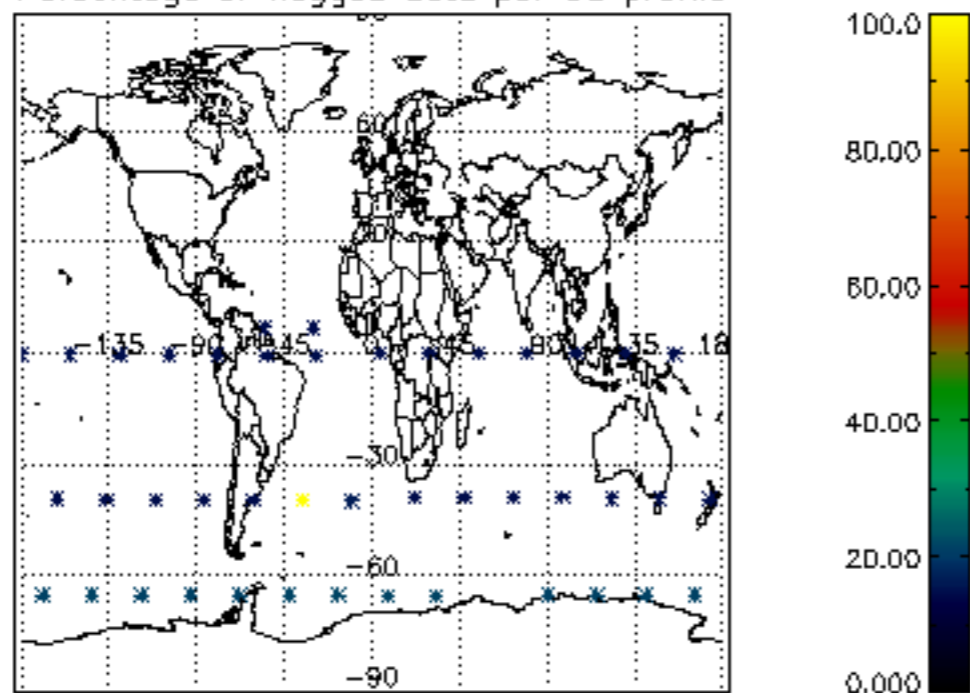
6. Auxiliary Data Files used for the production reported in section 2

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.

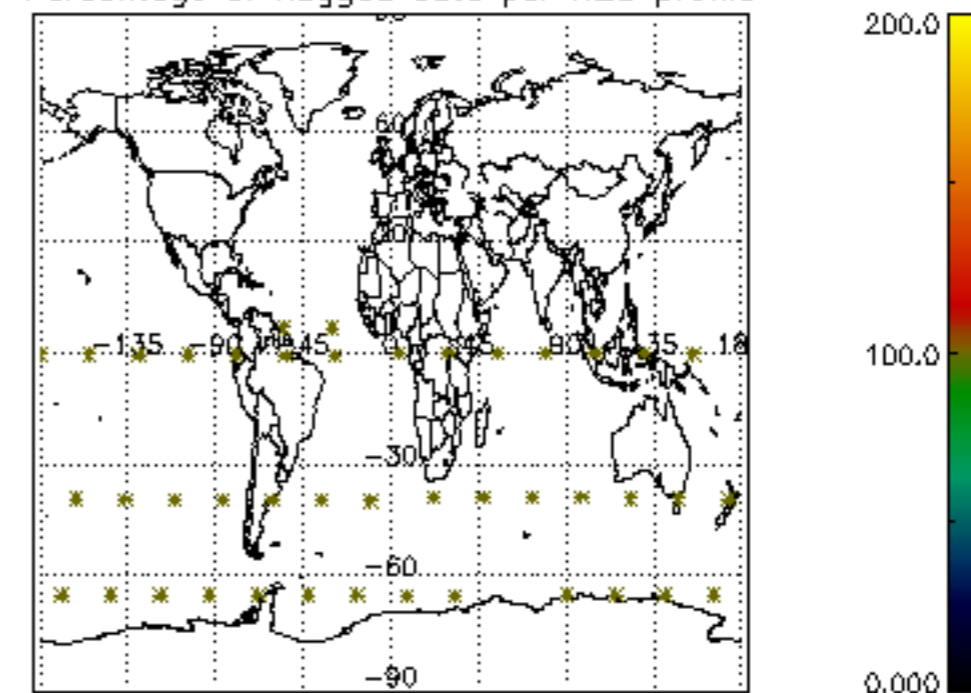
| Type | Auxiliary Filename | Used since product | Used since product date |
|---------------------------|---|--------------------|-------------------------|
| INST_PHYS_CHARACTERISTICS | GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000 | 1 | 17-JUN-2009 00:06:30 |
| LEVEL-2_PROC_CONFIG | GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000 | 1 | 17-JUN-2009 00:06:30 |
| CROSS_SECTIONS_FILE | GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000 | 1 | 17-JUN-2009 00:06:30 |



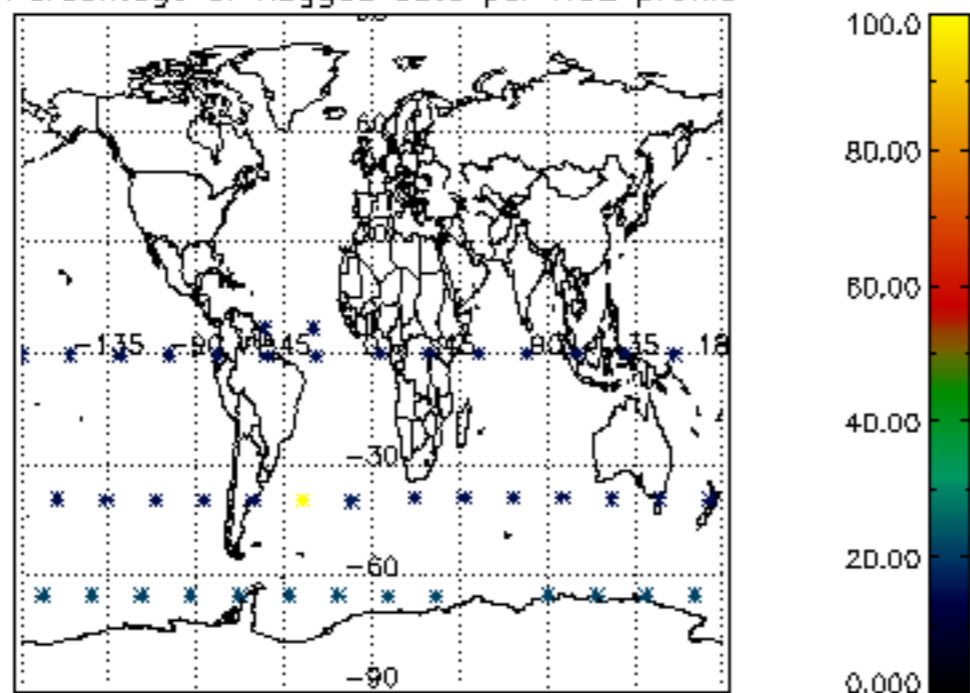
Percentage of flagged data per D3 profile



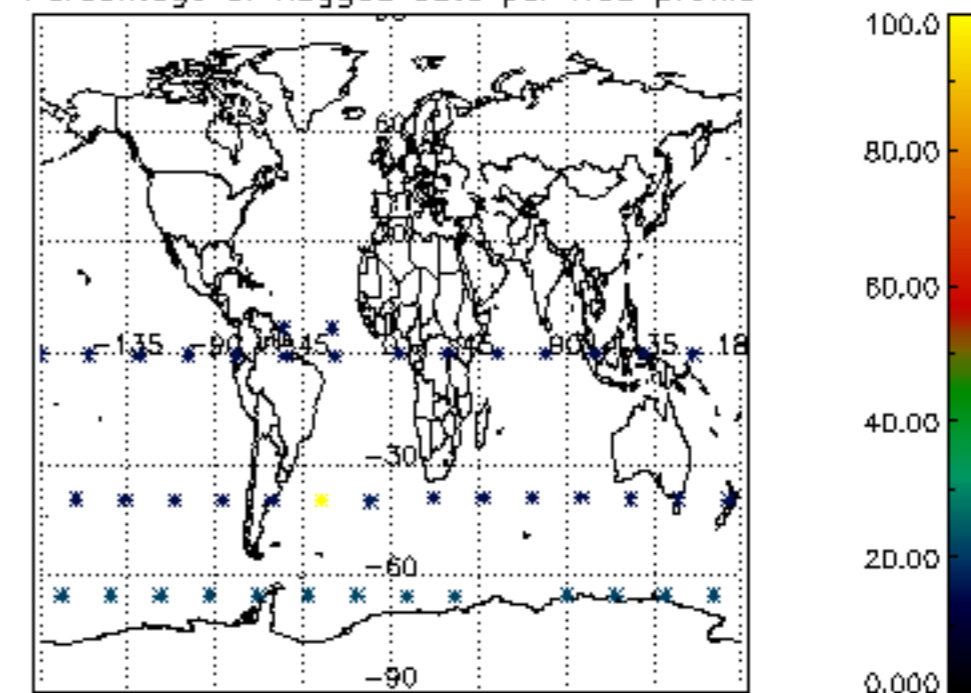
Percentage of flagged data per H2O profile

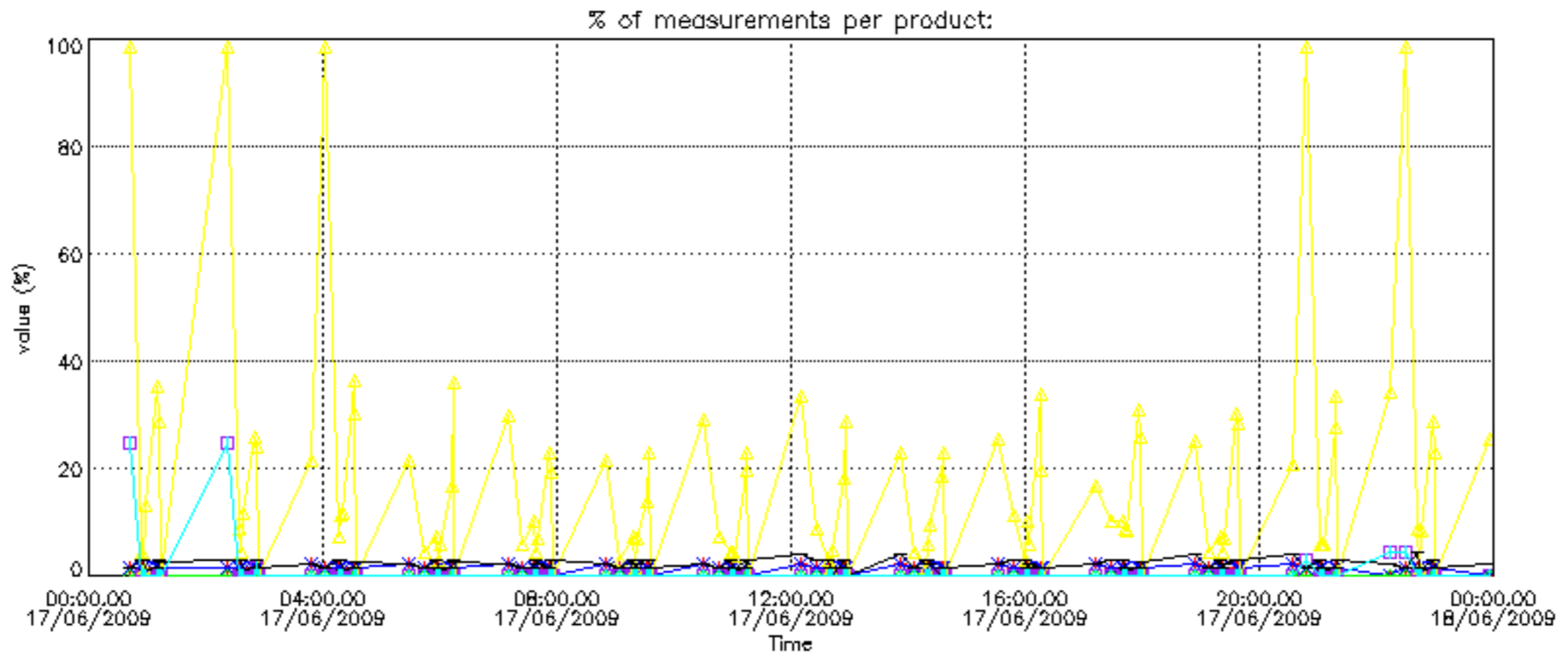


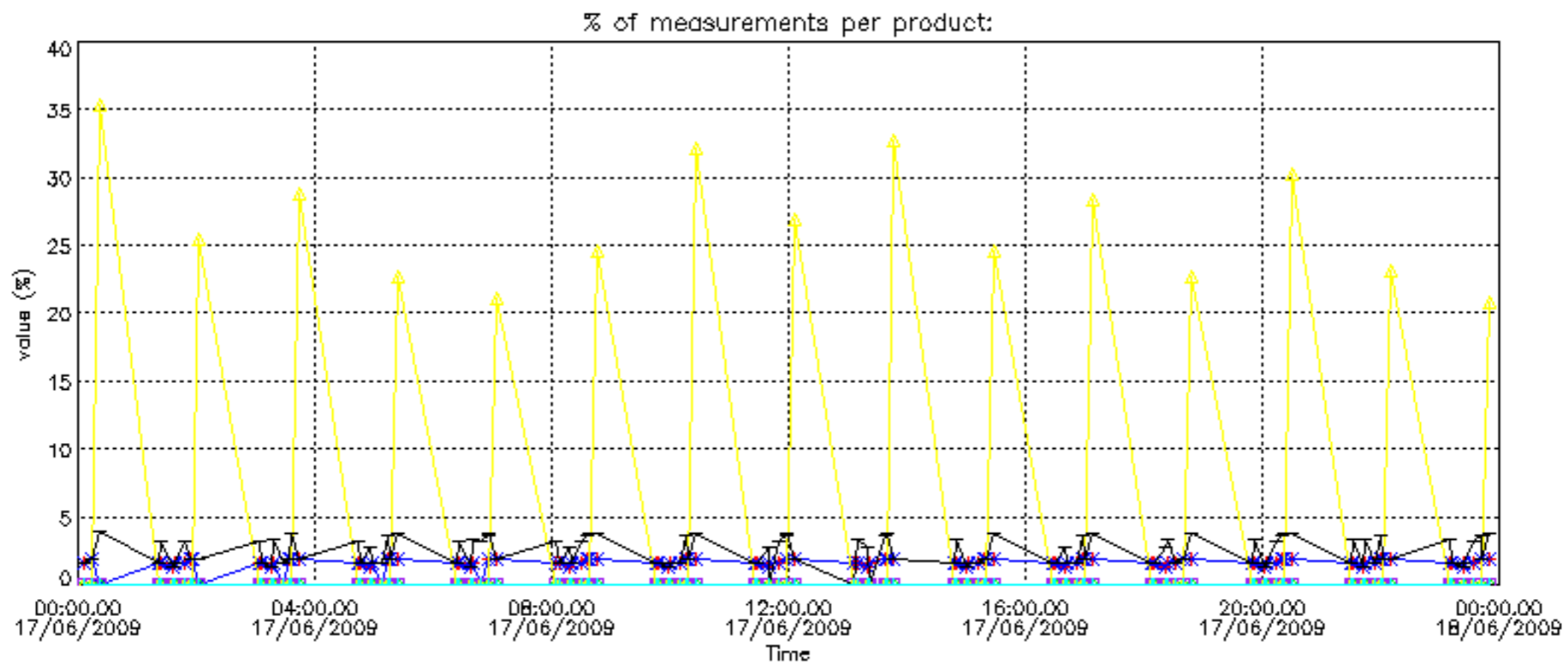
Percentage of flagged data per NO2 profile



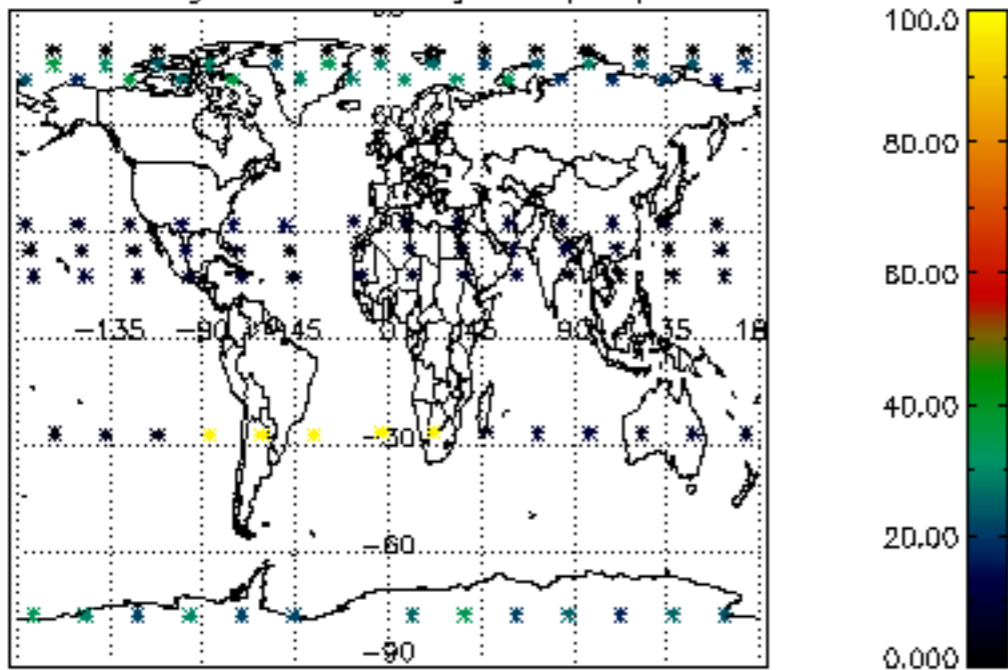
Percentage of flagged data per NO3 profile



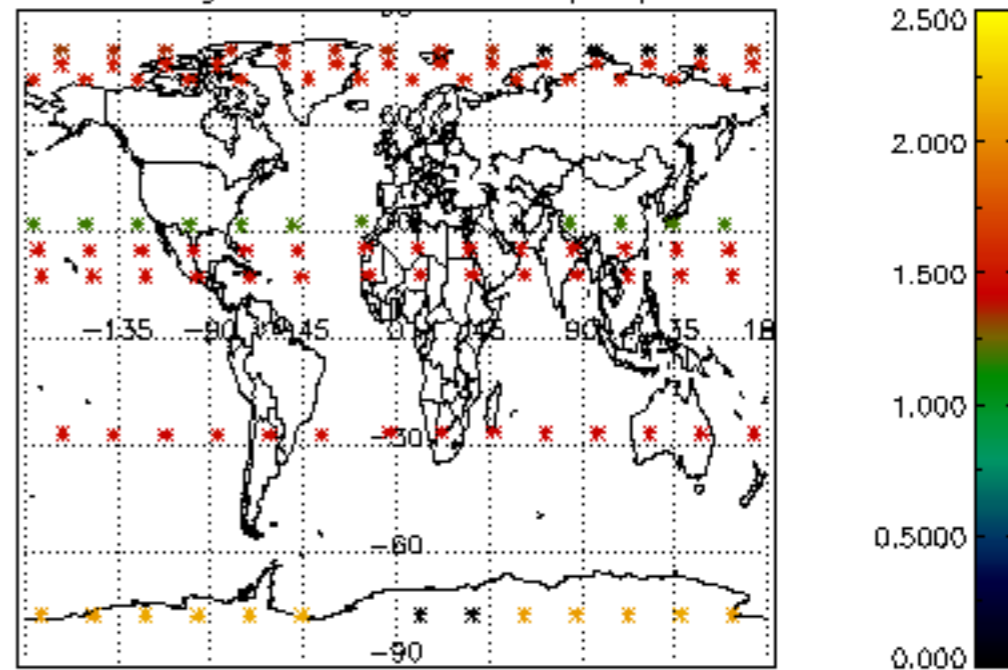




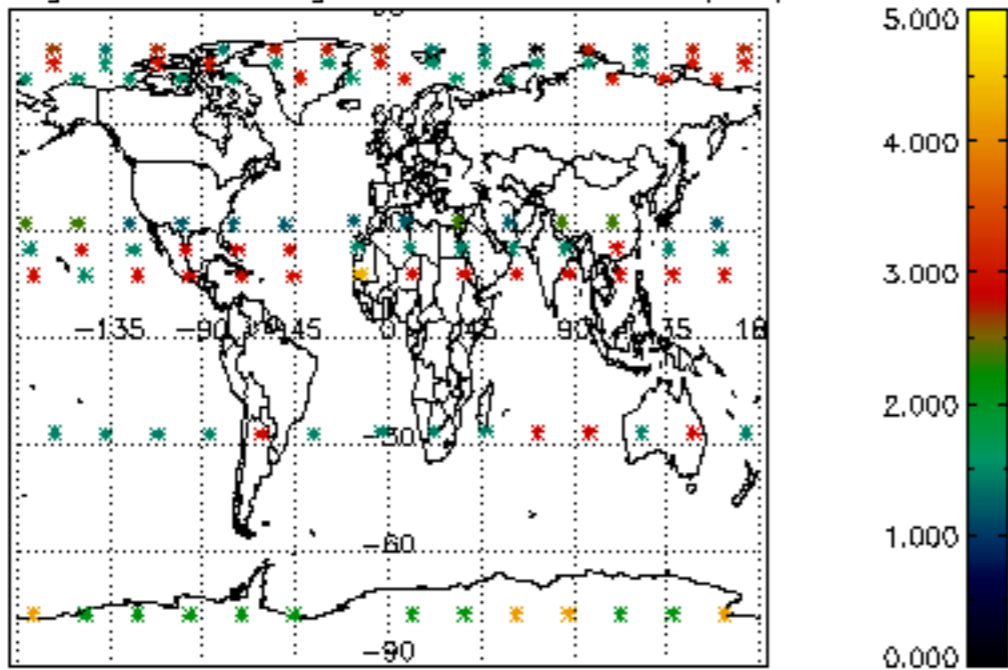
Percentage of cosmic ray hits per profile



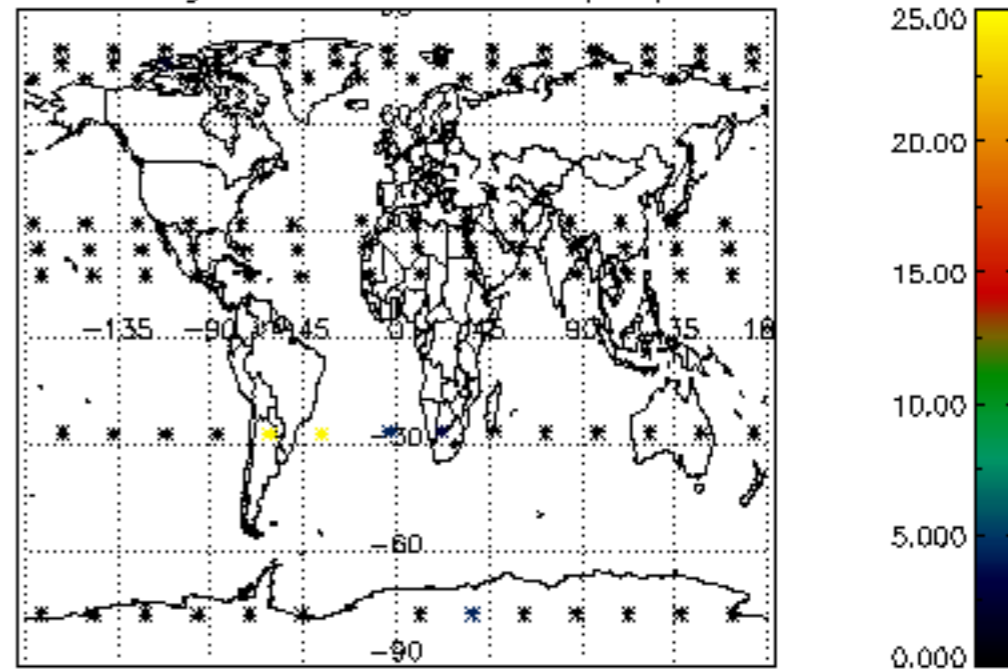
Percentage of datation errors per profile



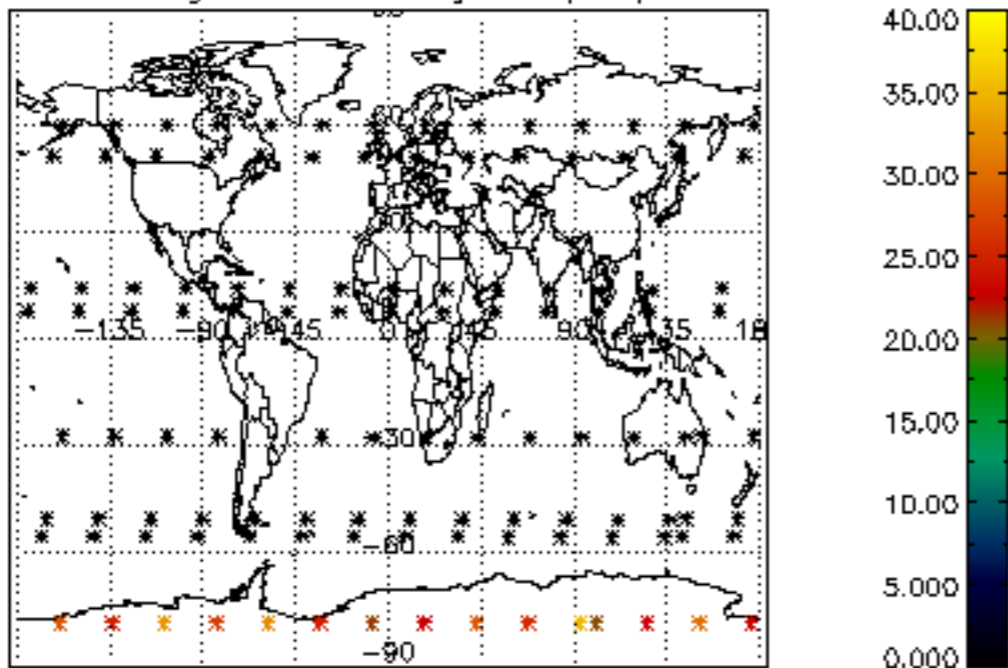
Percentage of star falling outside central band per profile



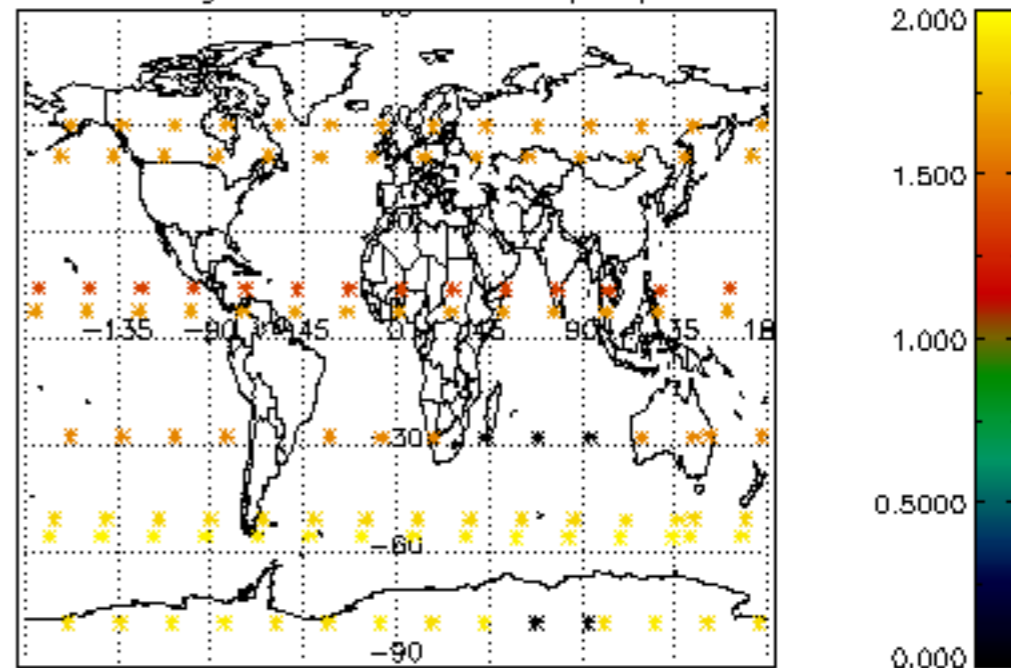
Percentage of saturation errors per profile



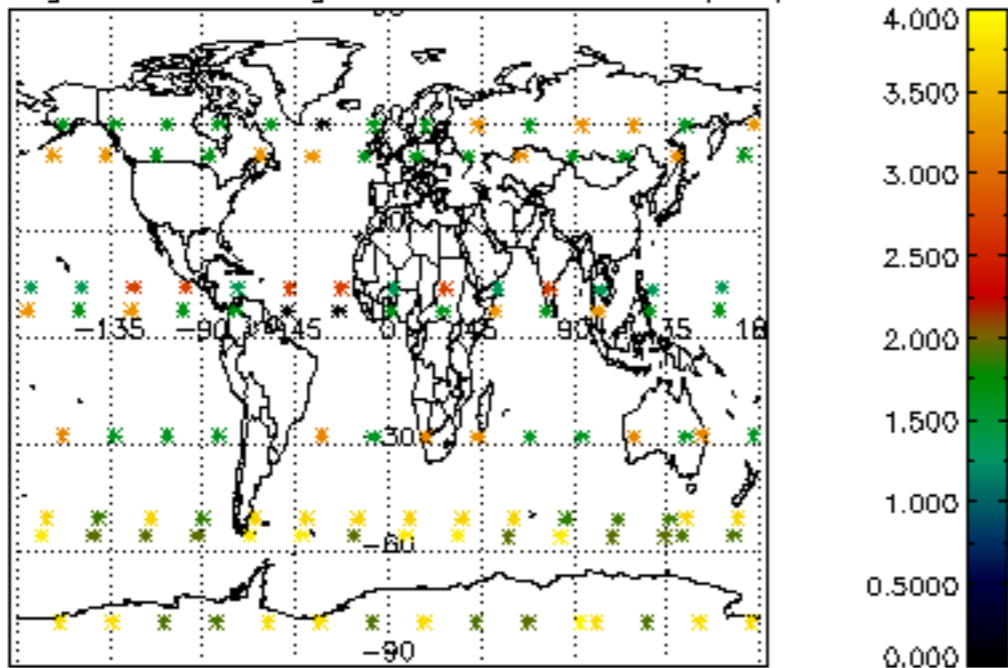
Percentage of cosmic ray hits per profile



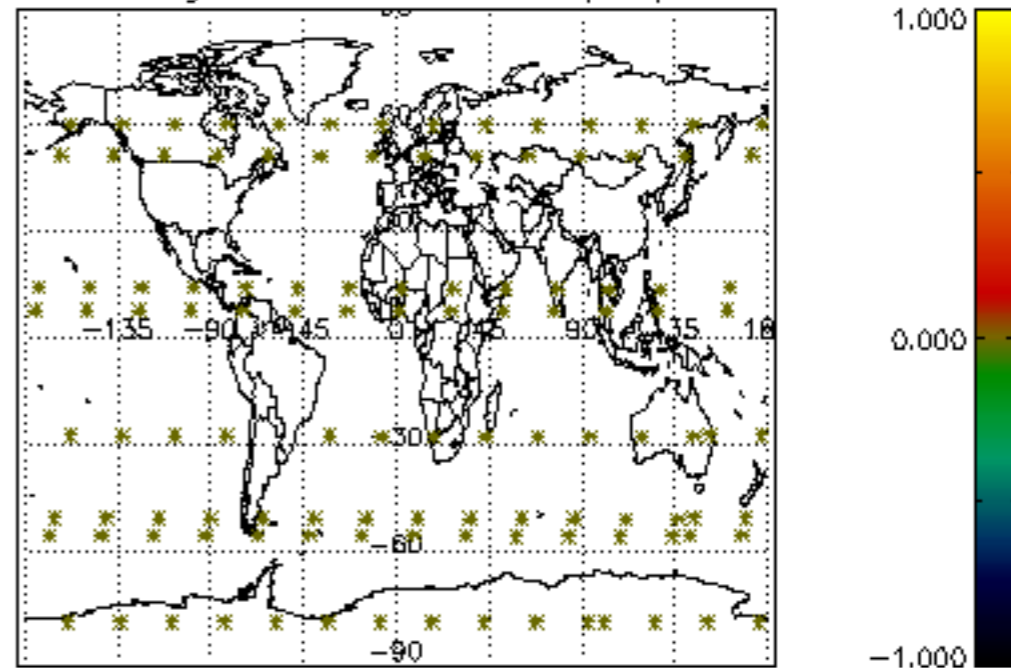
Percentage of datation errors per profile

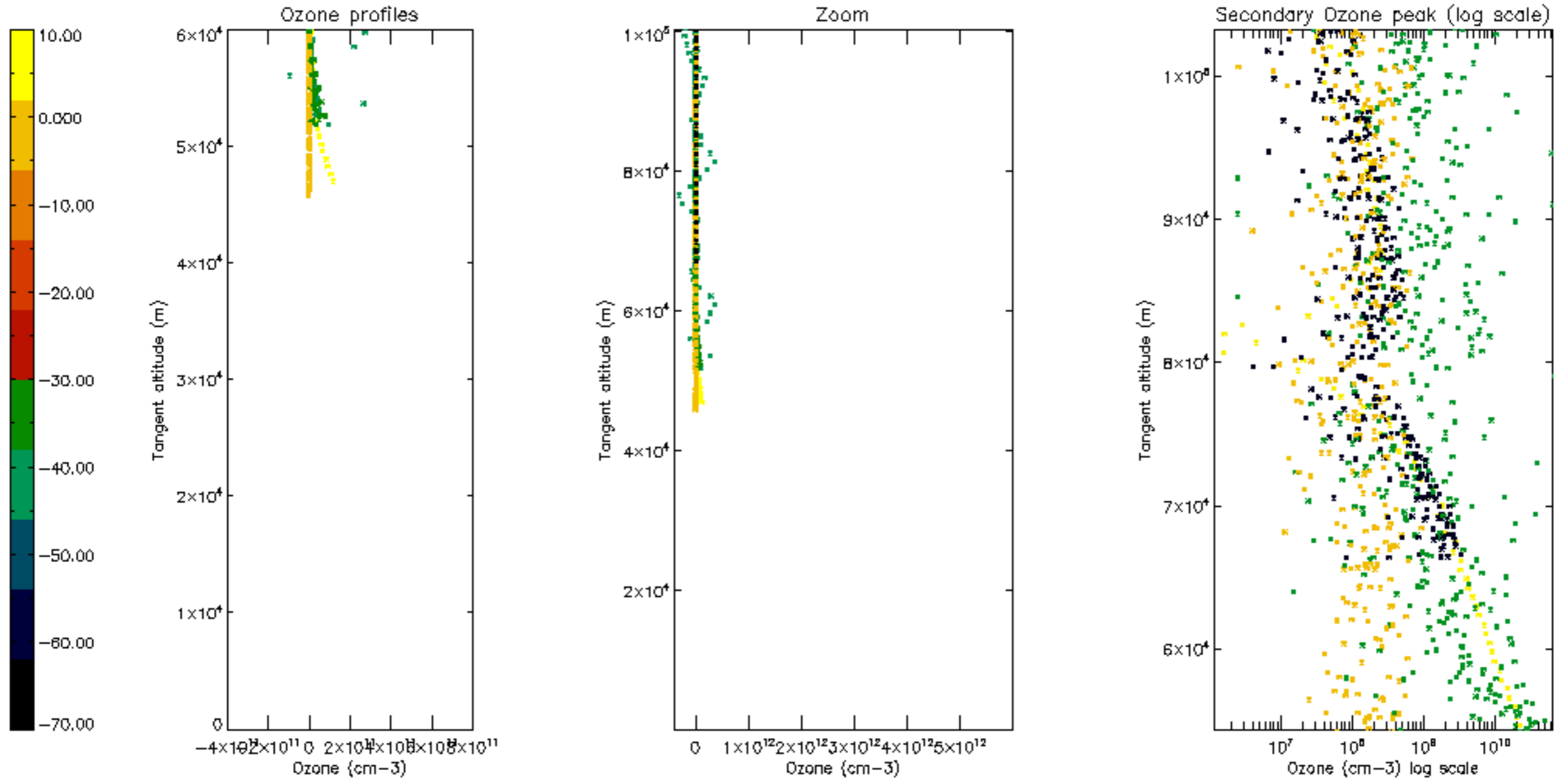


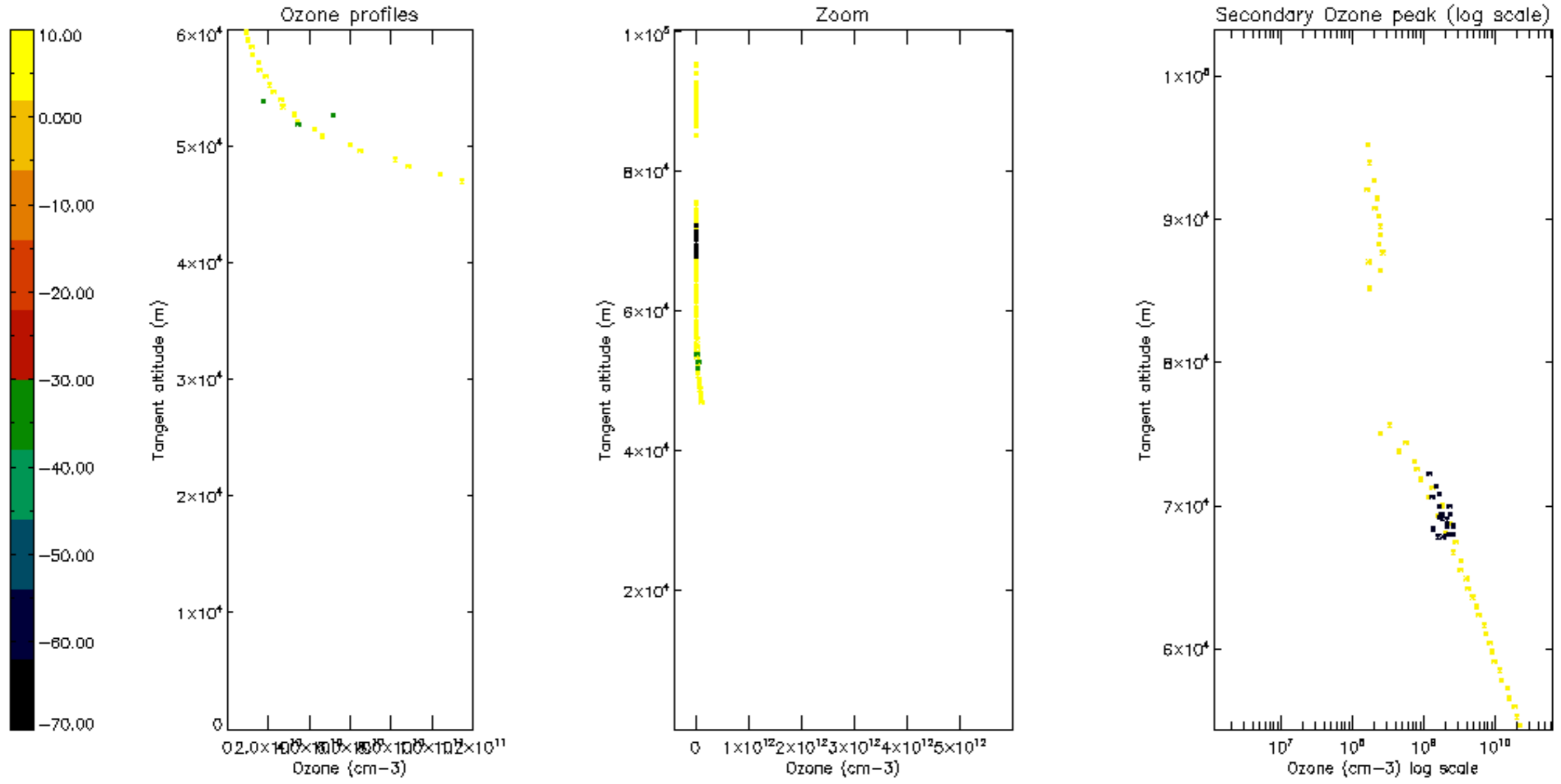
Percentage of star falling outside central band per profile

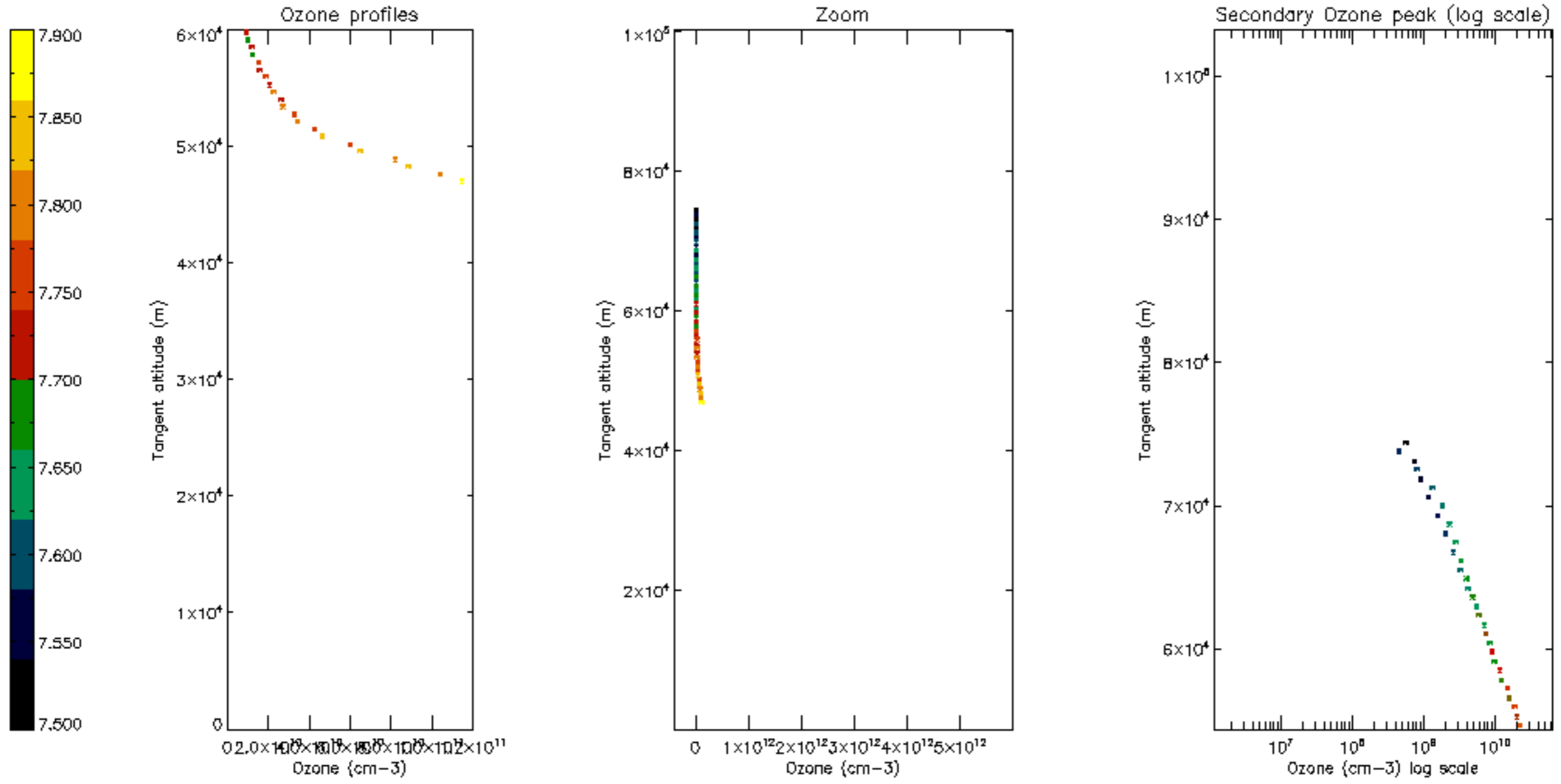


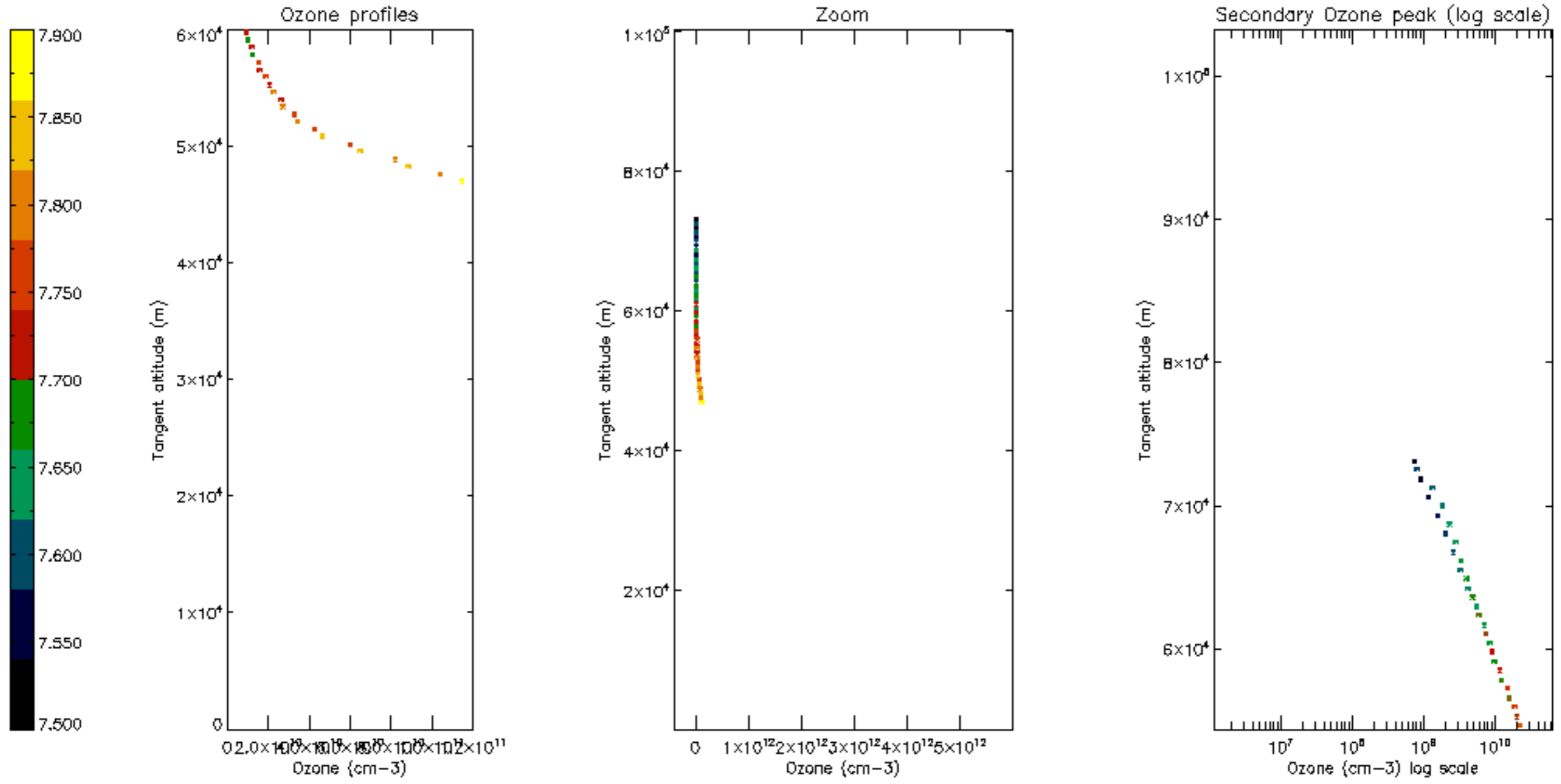
Percentage of saturation errors per profile

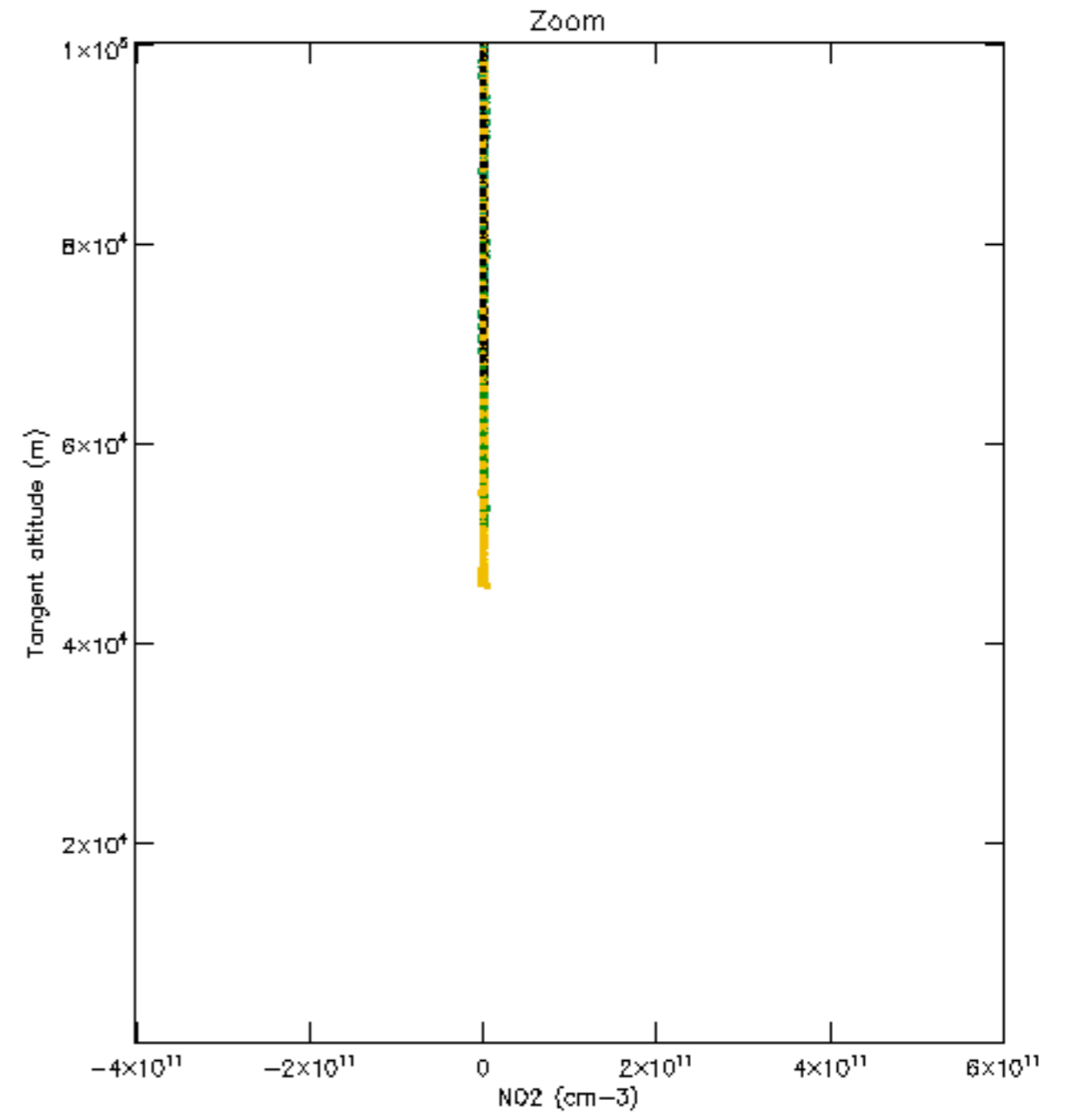
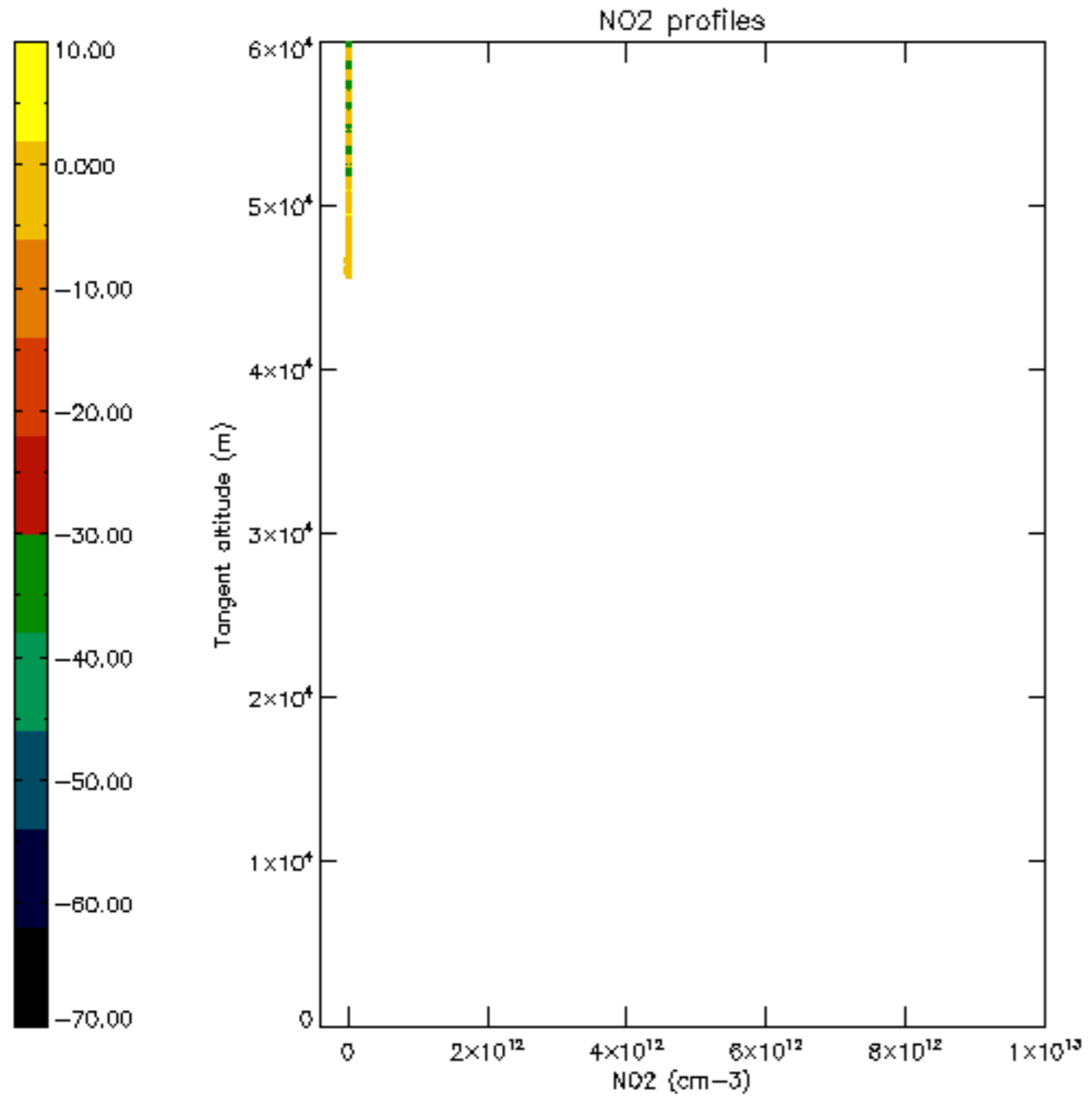


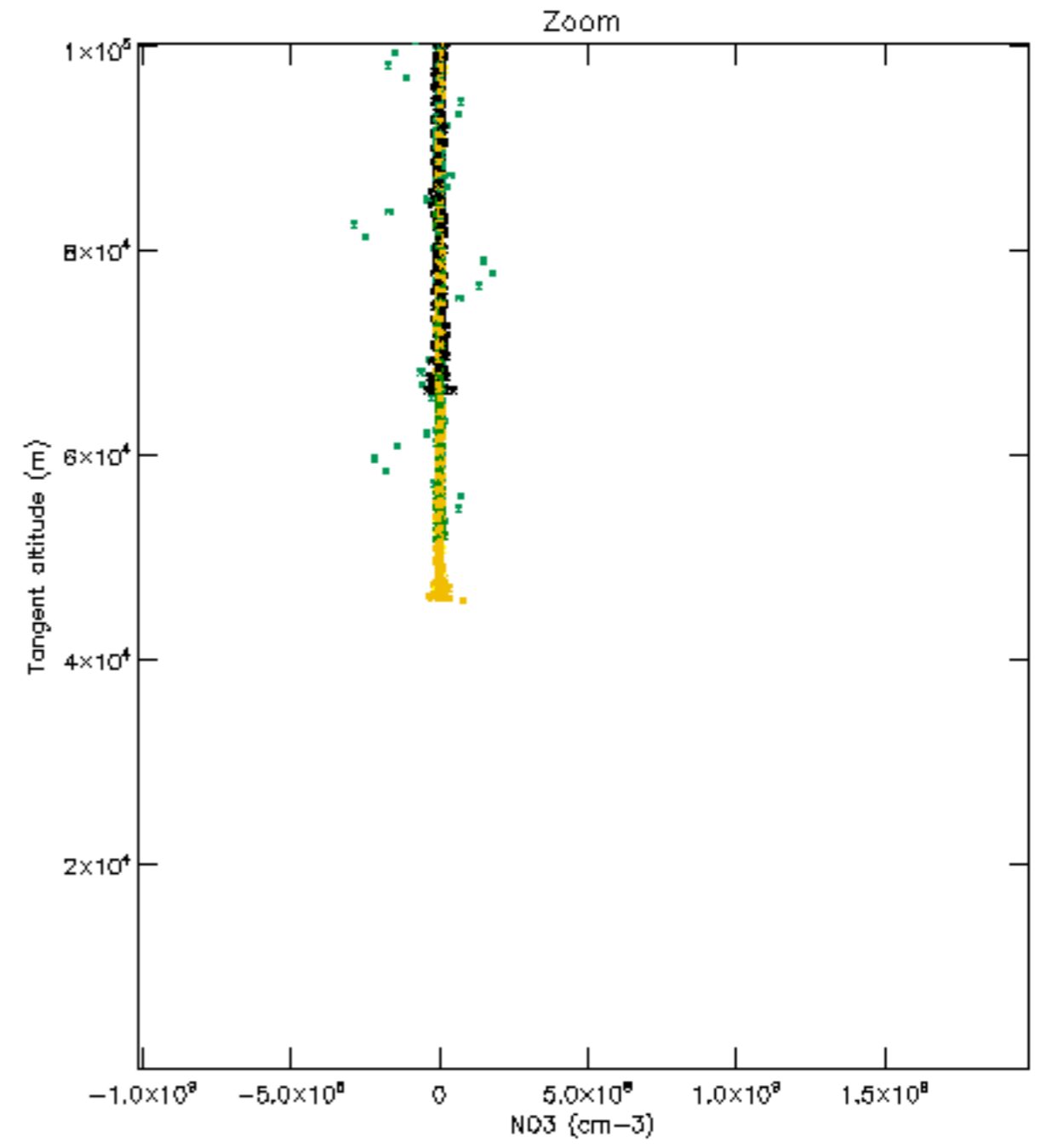
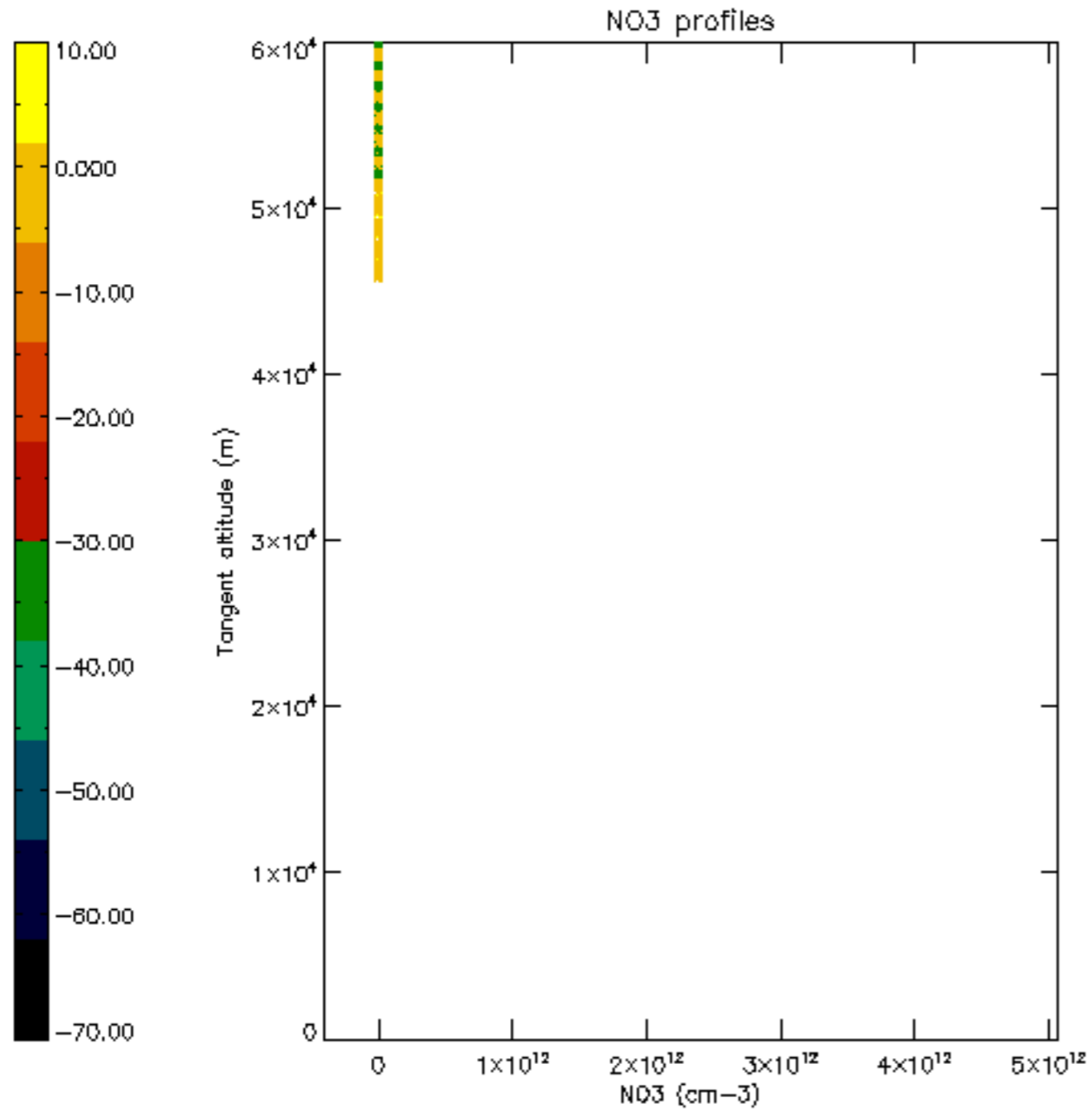


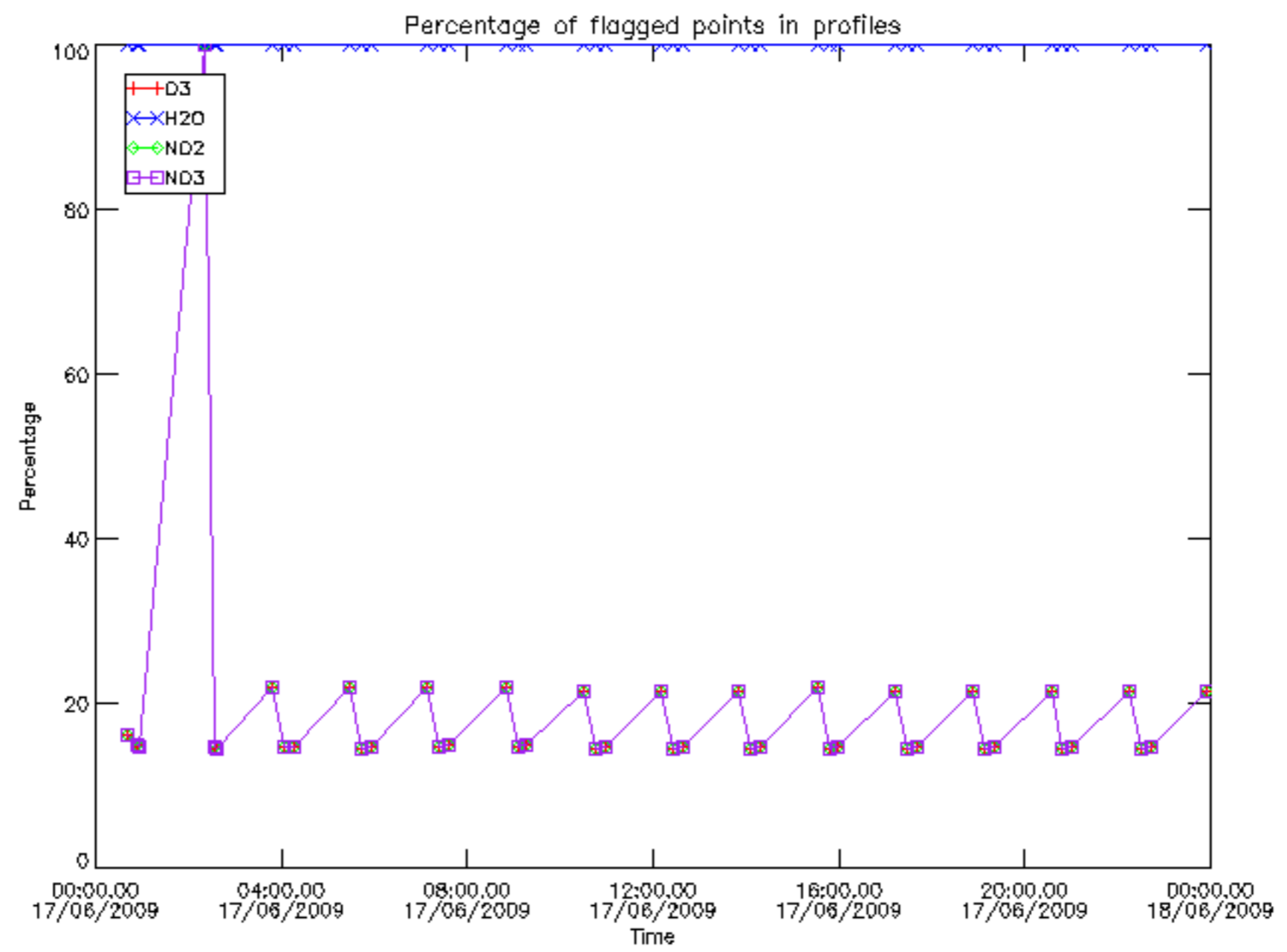




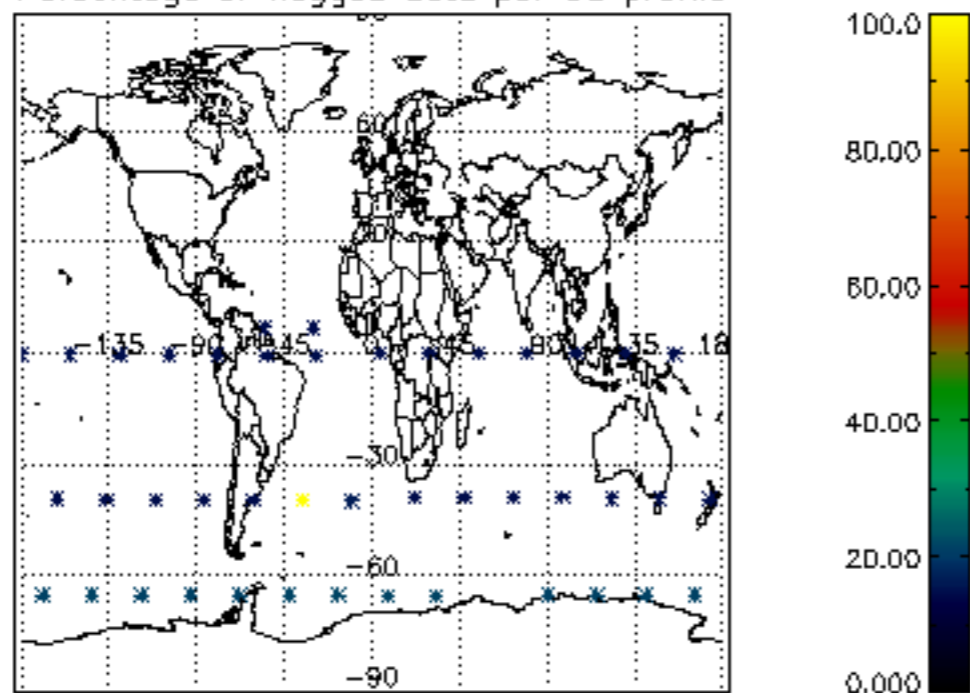




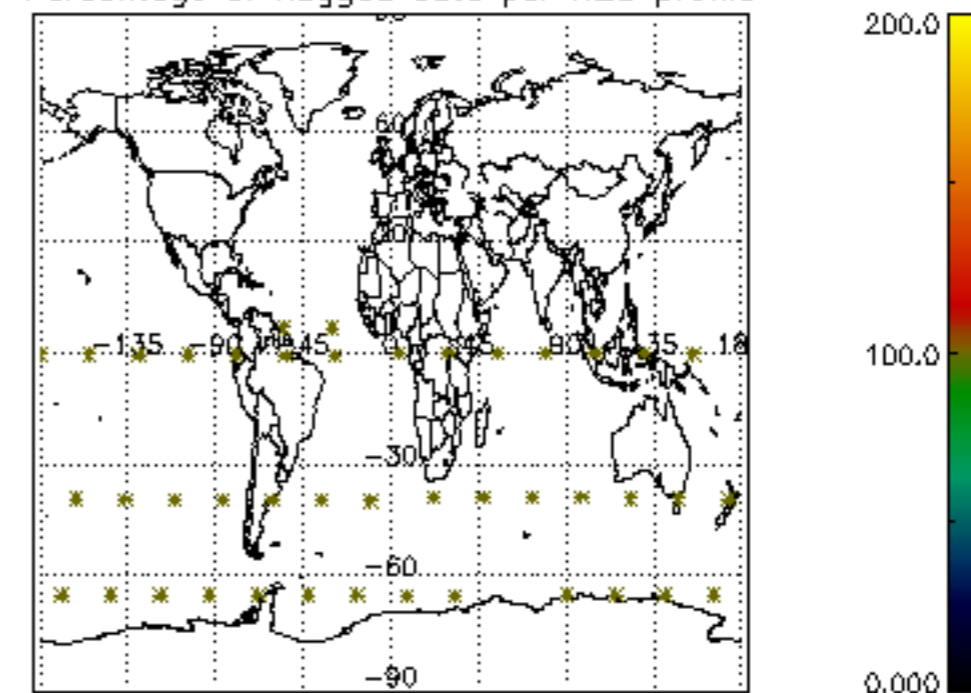




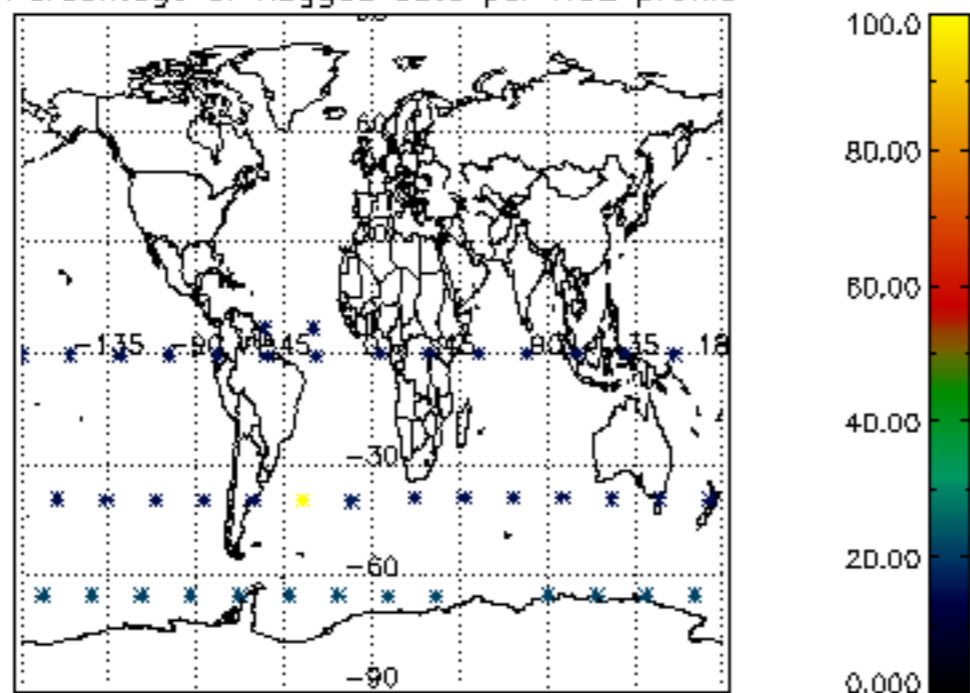
Percentage of flagged data per D3 profile



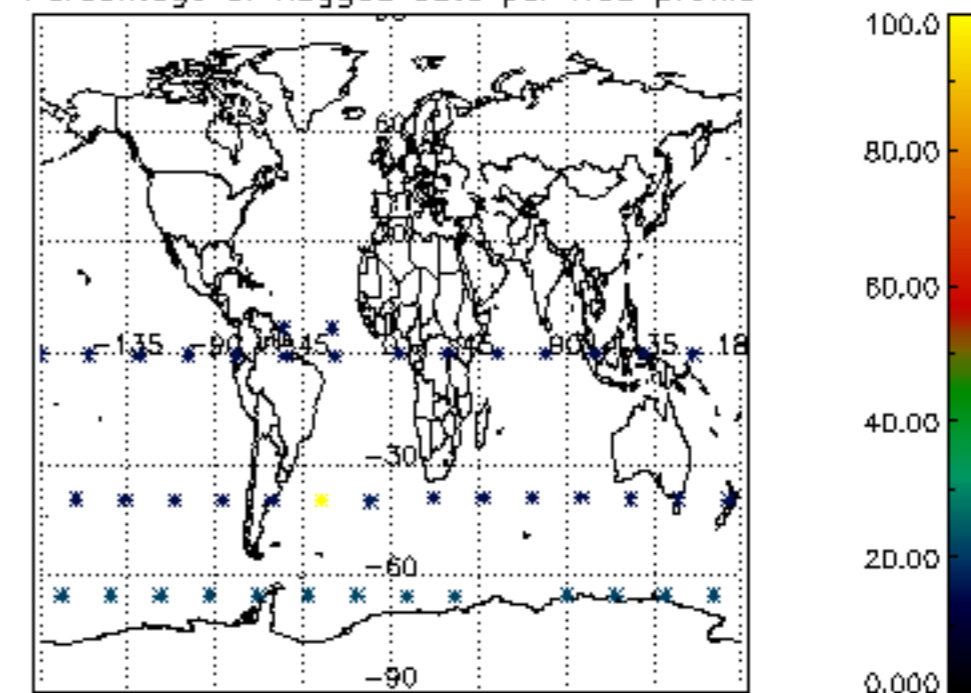
Percentage of flagged data per H2O profile

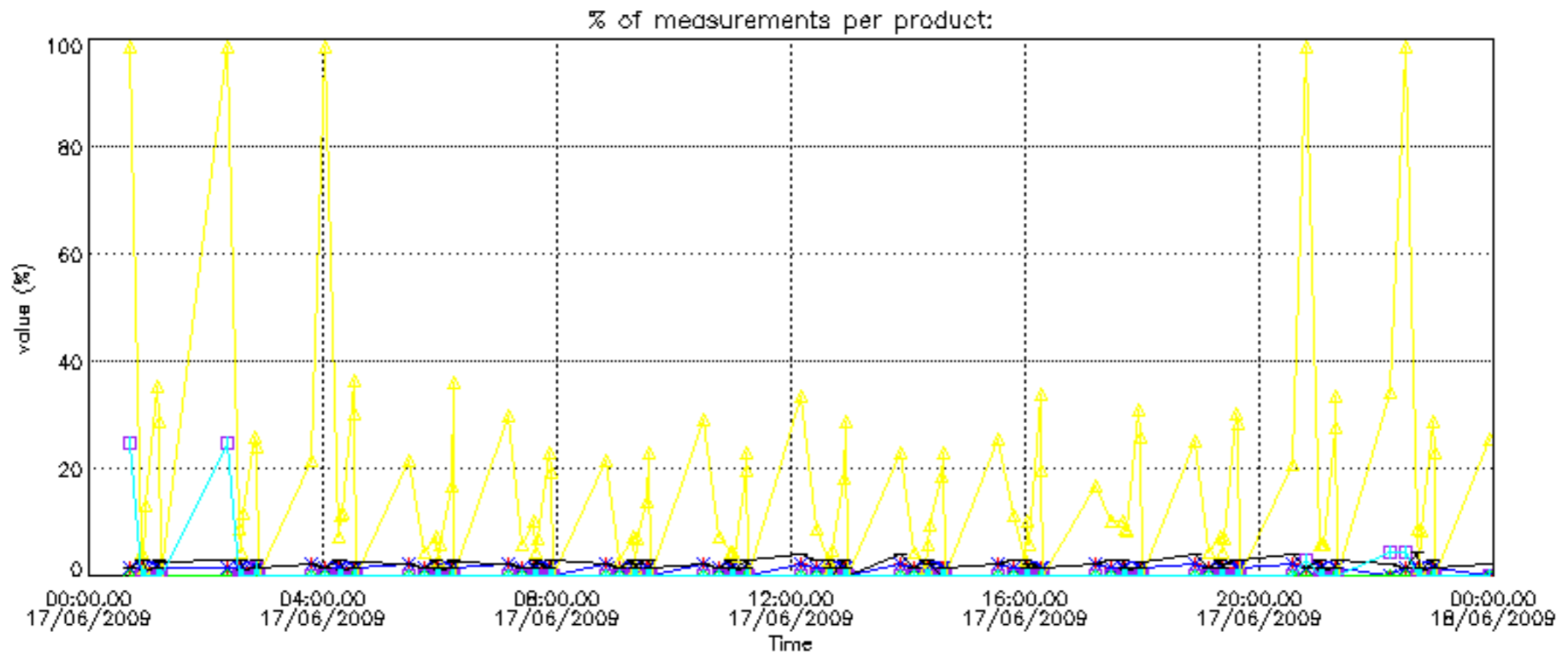


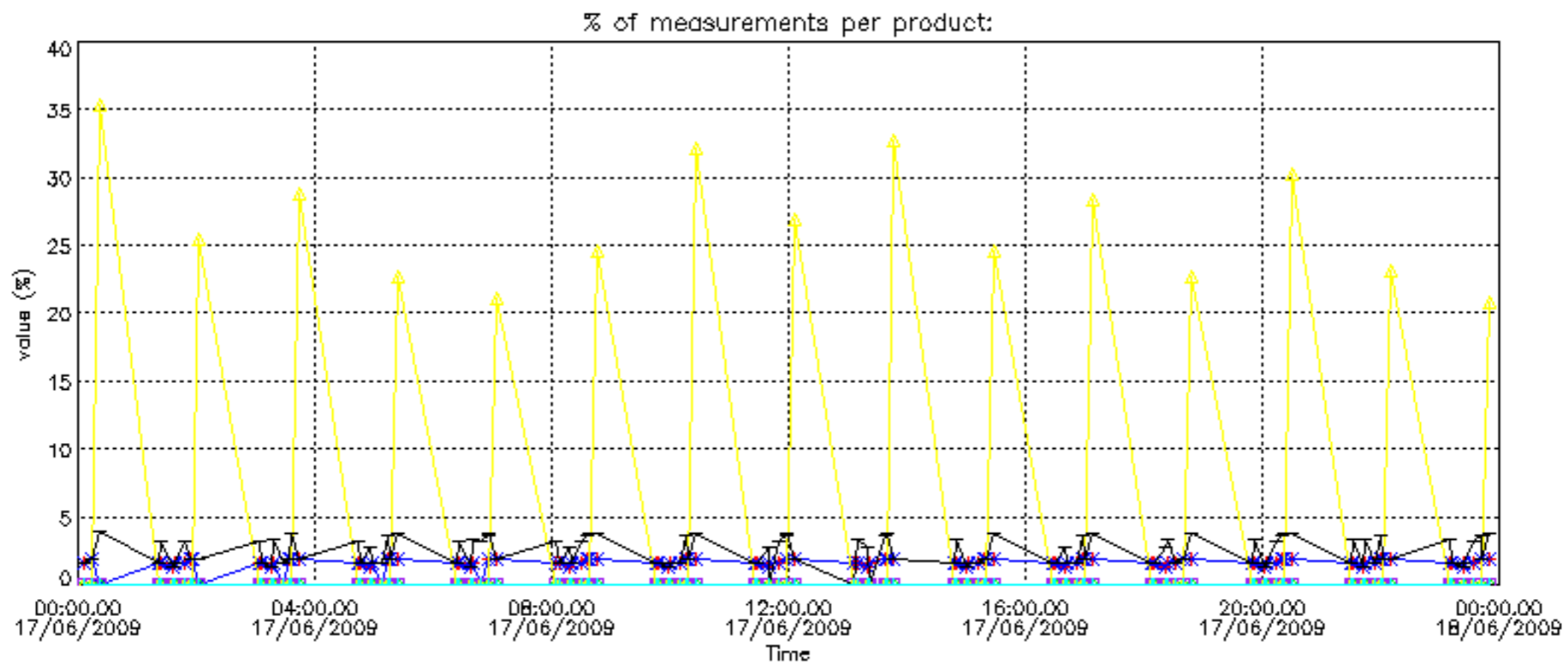
Percentage of flagged data per NO2 profile



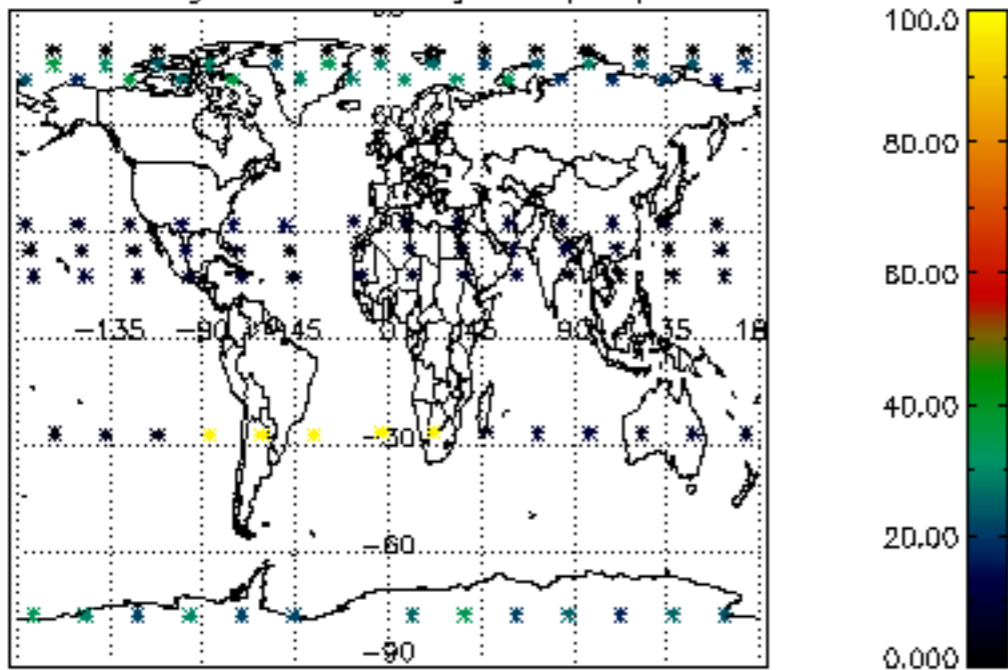
Percentage of flagged data per NO3 profile



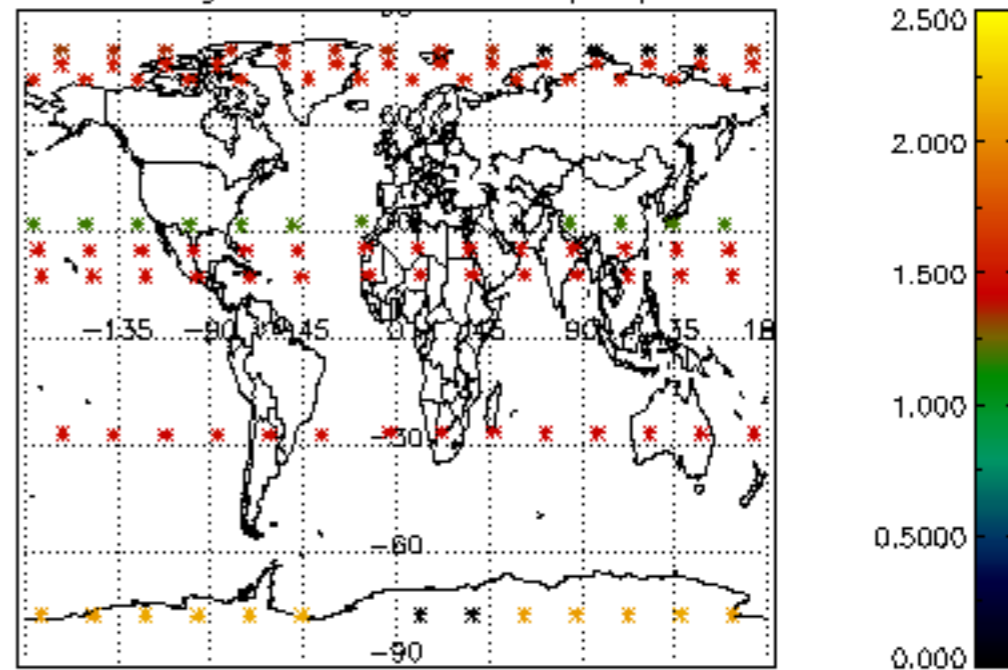




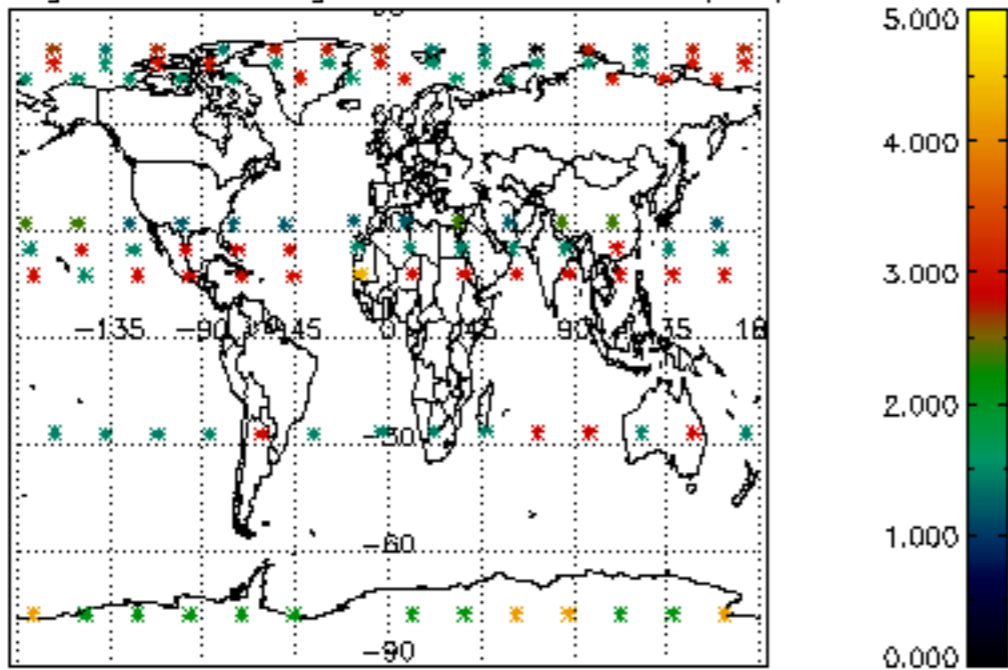
Percentage of cosmic ray hits per profile



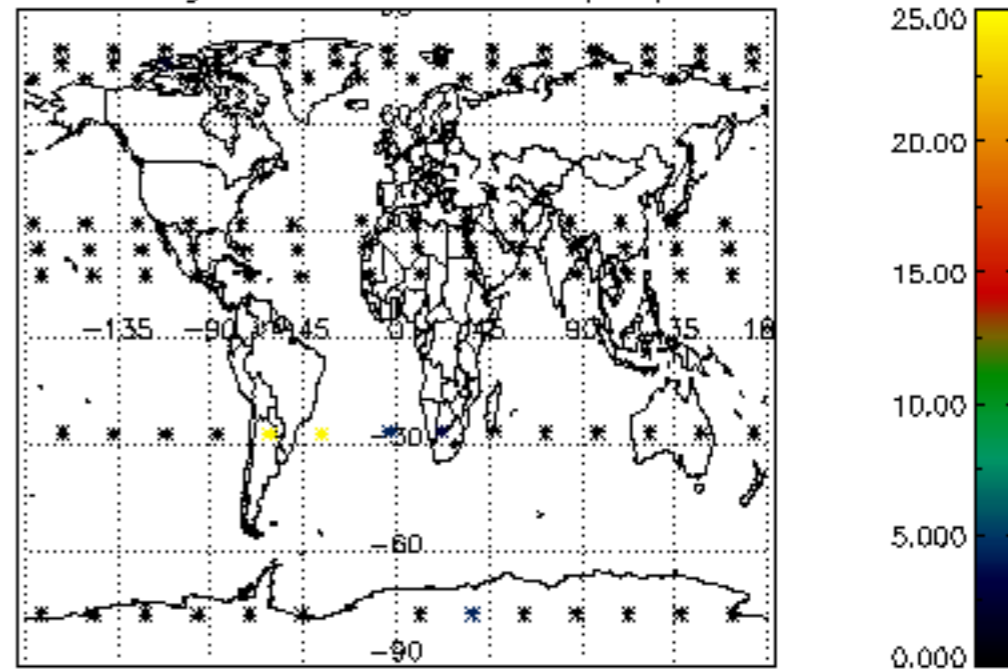
Percentage of datation errors per profile



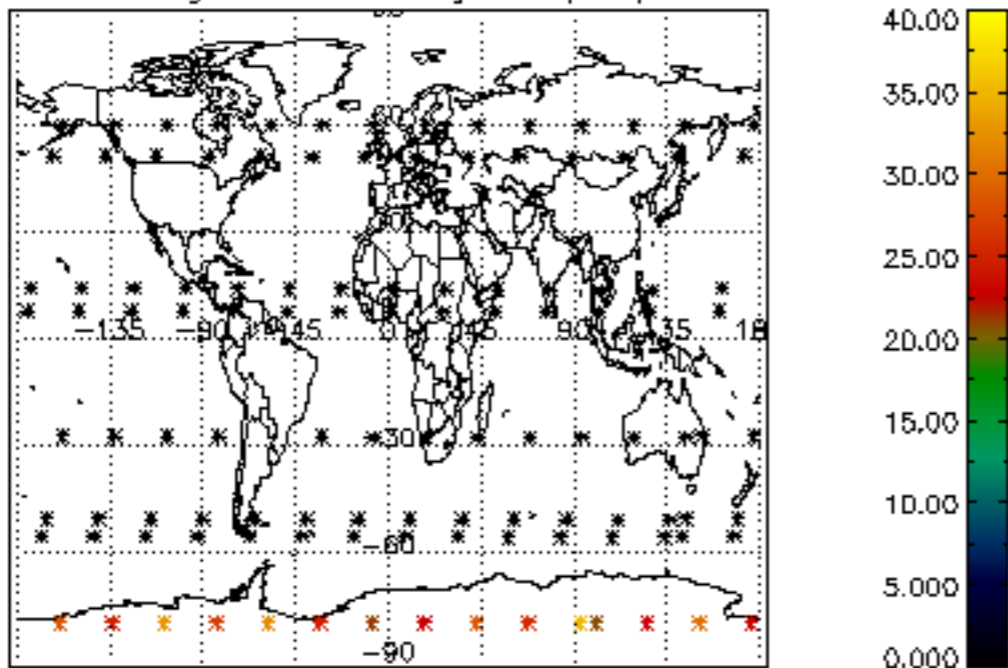
Percentage of star falling outside central band per profile



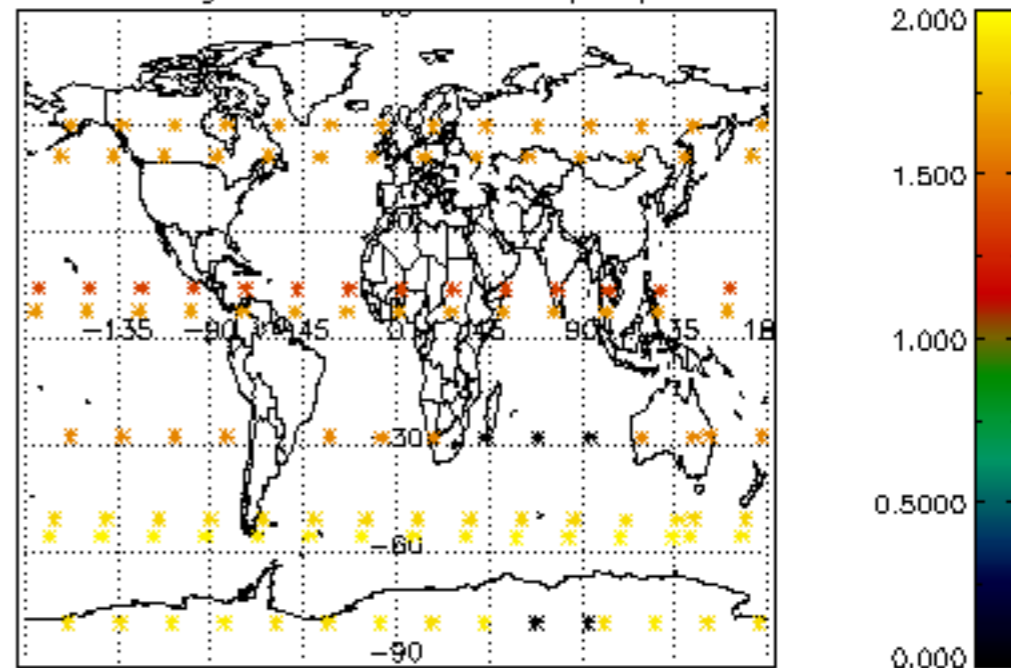
Percentage of saturation errors per profile



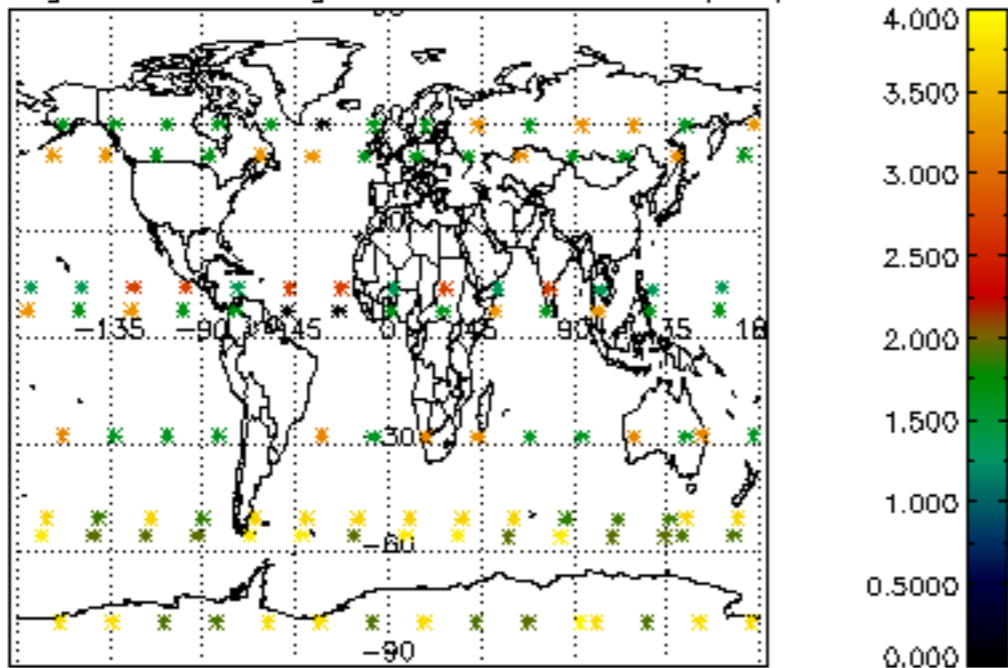
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

