

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 10:08:21 |
| Data source version | GOMOS/6.01 |
| Start time of products | 13-06-2009 (13JUN2009 00:00:00) |
| Stop time of products | 14-06-2009 (14JUN2009 00:00:00) |
| Store outputs in DB | Yes |
| Nb of level 2 prods | 189 |
| 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__2PRFIN20090613_000759_000000332079_00460_38089_2731.N1 | 13-JUN-2009 00:07:59 | Bright | 33.000 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 66 | 38089 | No |
| 2 | GOM_NL__2PRFIN20090613_001033_000000332079_00460_38089_2732.N1 | 13-JUN-2009 00:10:33 | Bright | 32.500 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 65 | 38089 | No |
| 3 | GOM_NL__2PRFIN20090613_002225_000000302079_00460_38089_2733.N1 | 13-JUN-2009 00:22:25 | Bright | 30.000 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 60 | 38089 | No |
| 4 | GOM_NL__2PRFIN20090613_003301_000000312079_00460_38089_2734.N1 | 13-JUN-2009 00:33:01 | Twilight | 31.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 62 | 38089 | No |
| 5 | GOM_NL__2PRFIN20090613_003912_000000262079_00460_38089_2735.N1 | 13-JUN-2009 00:39:12 | Twilight | 26.000 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 52 | 38089 | No |
| 6 | GOM_NL__2PRFIN20090613_004749_000000252079_00460_38089_2736.N1 | 13-JUN-2009 00:47:49 | Twilight | 24.500 | 53 | 43Bet And | 2.0480 | 3300.0 | 49 | 38089 | No |
| 7 | GOM_NL__2PRFIN20090613_010625_000000322079_00460_38089_2737.N1 | 13-JUN-2009 01:06:25 | Dark | 32.000 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 64 | 38089 | No |
| 8 | GOM_NL__2PRFIN20090613_011703_000000462079_00461_38090_2753.N1 | 13-JUN-2009 01:17:03 | Dark | 45.500 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 91 | 38090 | No |
| 9 | GOM_NL__2PRFIN20090613_011851_000000342079_00461_38090_2754.N1 | 13-JUN-2009 01:18:51 | Dark | 34.000 | 63 | Bet Gru | 2.1500 | 2800.0 | 68 | 38090 | No |
| 10 | GOM_NL__2PRFIN20090613_012054_000000352079_00461_38090_2755.N1 | 13-JUN-2009 01:20:54 | Dark | 34.500 | 31 | Alp Gru | 1.7340 | 15200. | 69 | 38090 | No |
| 11 | GOM_NL__2PRFIN20090613_012235_000000432079_00461_38090_2756.N1 | 13-JUN-2009 01:22:35 | Straylight | 42.500 | 172 | Gam Gru | 3.0030 | 13100. | 85 | 38090 | No |
| 12 | GOM_NL__2PRFIN20090613_013447_000000302079_00461_38090_2757.N1 | 13-JUN-2009 01:34:47 | Twilight | 30.000 | 38 | 20Eps Sgr | 1.8360 | 11000. | 60 | 38090 | No |
| 13 | GOM_NL__2PRFIN20090613_013645_000000362079_00461_38090_2758.N1 | 13-JUN-2009 01:36:45 | Twilight | 35.500 | 57 | 34Sig Sgr | 2.0660 | 26000. | 71 | 38090 | No |
| 14 | GOM_NL__2PRFIN20090613_014834_000000332079_00461_38090_2759.N1 | 13-JUN-2009 01:48:34 | Bright | 33.000 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 66 | 38090 | No |
| 15 | GOM_NL__2PRFIN20090613_015109_000000332079_00461_38090_2760.N1 | 13-JUN-2009 01:51:09 | Bright | 32.500 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 65 | 38090 | No |
| 16 | GOM_NL__2PRFIN20090613_020301_000000302079_00461_38090_2761.N1 | 13-JUN-2009 02:03:01 | Bright | 30.000 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 60 | 38090 | No |
| 17 | GOM_NL__2PRFIN20090613_021336_000000322079_00461_38090_2762.N1 | 13-JUN-2009 02:13:36 | Twilight | 31.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 63 | 38090 | No |
| 18 | GOM_NL__2PRFIN20090613_021948_000000262079_00461_38090_2763.N1 | 13-JUN-2009 02:19:48 | Twilight | 25.500 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 51 | 38090 | No |
| 19 | GOM_NL__2PRFIN20090613_022825_000000252079_00461_38090_2764.N1 | 13-JUN-2009 02:28:25 | Twilight | 24.500 | 53 | 43Bet And | 2.0480 | 3300.0 | 49 | 38090 | No |
| 20 | GOM_NL__2PRFIN20090613_024701_000000322079_00461_38090_2765.N1 | 13-JUN-2009 02:47:01 | Dark | 32.000 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 64 | 38090 | No |
| 21 | GOM_NL__2PRFIN20090613_025741_000000462079_00462_38091_2768.N1 | 13-JUN-2009 02:57:41 | Dark | 45.500 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 91 | 38091 | No |
| 22 | GOM_NL__2PRFIN20090613_025928_000000342079_00462_38091_2769.N1 | 13-JUN-2009 02:59:28 | Dark | 34.000 | 63 | Bet Gru | 2.1500 | 2800.0 | 68 | 38091 | No |
| 23 | GOM_NL__2PRFIN20090613_030130_000000352079_00462_38091_2770.N1 | 13-JUN-2009 03:01:30 | Dark | 35.000 | 31 | Alp Gru | 1.7340 | 15200. | 70 | 38091 | No |
| 24 | GOM_NL__2PRFIN20090613_030312_000000432079_00462_38091_2771.N1 | 13-JUN-2009 03:03:12 | Straylight | 42.500 | 172 | Gam Gru | 3.0030 | 13100. | 85 | 38091 | No |
| 25 | GOM_NL__2PRFIN20090613_031523_000000302079_00462_38091_2772.N1 | 13-JUN-2009 03:15:23 | Twilight | 30.000 | 38 | 20Eps Sgr | 1.8360 | 11000. | 60 | 38091 | No |
| 26 | GOM_NL__2PRFIN20090613_031722_000000352079_00462_38091_2773.N1 | 13-JUN-2009 03:17:22 | Twilight | 35.000 | 57 | 34Sig Sgr | 2.0660 | 26000. | 70 | 38091 | No |
| 27 | GOM_NL__2PRFIN20090613_032910_000000332079_00462_38091_2774.N1 | 13-JUN-2009 03:29:10 | Bright | 33.000 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 66 | 38091 | No |
| 28 | GOM_NL__2PRFIN20090613_033144_000000332079_00462_38091_2775.N1 | 13-JUN-2009 03:31:44 | Bright | 32.500 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 65 | 38091 | No |
| 29 | GOM_NL__2PRFIN20090613_034336_000000302079_00462_38091_2776.N1 | 13-JUN-2009 03:43:36 | Bright | 29.500 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 59 | 38091 | No |
| 30 | GOM_NL__2PRFIN20090613_035411_000000312079_00462_38091_2777.N1 | 13-JUN-2009 03:54:11 | Twilight | 31.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 62 | 38091 | No |
| 31 | GOM_NL__2PRFIN20090613_040023_000000262079_00462_38091_2778.N1 | 13-JUN-2009 04:00:23 | Twilight | 26.000 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 52 | 38091 | No |
| 32 | GOM_NL__2PRFIN20090613_040901_000000252079_00462_38091_2779.N1 | 13-JUN-2009 04:09:01 | Twilight | 24.500 | 53 | 43Bet And | 2.0480 | 3300.0 | 49 | 38091 | No |
| 33 | GOM_NL__2PRFIN20090613_042739_000000322079_00462_38091_2780.N1 | 13-JUN-2009 04:27:39 | Dark | 32.000 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 64 | 38091 | No |
| 34 | GOM_NL__2PRFIN20090613_043818_000000462079_00463_38092_2782.N1 | 13-JUN-2009 04:38:18 | Dark | 45.500 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 91 | 38092 | No |
| 35 | GOM_NL__2PRFIN20090613_044005_000000342079_00463_38092_2783.N1 | 13-JUN-2009 04:40:05 | Dark | 34.000 | 63 | Bet Gru | 2.1500 | 2800.0 | 68 | 38092 | No |
| 36 | GOM_NL__2PRFIN20090613_044208_000000352079_00463_38092_2784.N1 | 13-JUN-2009 04:42:08 | Dark | 34.500 | 31 | Alp Gru | 1.7340 | 15200. | 69 | 38092 | No |
| 37 | GOM_NL__2PRFIN20090613_044349_000000432079_00463_38092_2785.N1 | 13-JUN-2009 04:43:49 | Straylight | 42.500 | 172 | Gam Gru | 3.0030 | 13100. | 85 | 38092 | No |
| 38 | GOM_NL__2PRFIN20090613_045559_000000302079_00463_38092_2786.N1 | 13-JUN-2009 04:55:59 | Twilight | 30.000 | 38 | 20Eps Sgr | 1.8360 | 11000. | 60 | 38092 | No |
| 39 | GOM_NL__2PRFIN20090613_045759_000000362079_00463_38092_2787.N1 | 13-JUN-2009 04:57:59 | Twilight | 35.500 | 57 | 34Sig Sgr | 2.0660 | 26000. | 71 | 38092 | No |
| 40 | GOM_NL__2PRFIN20090613_050946_000000332079_00463_38092_2788.N1 | 13-JUN-2009 05:09:46 | Bright | 33.000 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 66 | 38092 | No |
| 41 | GOM_NL__2PRFIN20090613_051220_000000332079_00463_38092_2789.N1 | 13-JUN-2009 05:12:20 | Bright | 32.500 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 65 | 38092 | No |
| 42 | GOM_NL__2PRFIN20090613_052412_000000302079_00463_38092_2790.N1 | 13-JUN-2009 05:24:12 | Bright | 29.500 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 59 | 38092 | No |

| | | | | | | | | | | | |
|-----|--|----------------------|------------|--------|-----|-----------|--------|--------|----|-------|----|
| 43 | GOM_NL__2PRFIN20090613_053446_000000312079_00463_38092_2791.N1 | 13-JUN-2009 05:34:46 | Twilight | 31.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 62 | 38092 | No |
| 44 | GOM_NL__2PRFIN20090613_054059_000000262079_00463_38092_2792.N1 | 13-JUN-2009 05:40:59 | Twilight | 26.000 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 52 | 38092 | No |
| 45 | GOM_NL__2PRFIN20090613_054937_000000252079_00463_38092_2793.N1 | 13-JUN-2009 05:49:37 | Twilight | 25.000 | 53 | 43Bet And | 2.0480 | 3300.0 | 50 | 38092 | No |
| 46 | GOM_NL__2PRFIN20090613_060816_000000322079_00463_38092_2794.N1 | 13-JUN-2009 06:08:16 | Dark | 32.000 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 64 | 38092 | No |
| 47 | GOM_NL__2PRFIN20090613_061856_000000462079_00464_38093_2796.N1 | 13-JUN-2009 06:18:56 | Dark | 46.000 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 92 | 38093 | No |
| 48 | GOM_NL__2PRFIN20090613_062042_000000342079_00464_38093_2797.N1 | 13-JUN-2009 06:20:42 | Dark | 34.000 | 63 | Bet Gru | 2.1500 | 2800.0 | 68 | 38093 | No |
| 49 | GOM_NL__2PRFIN20090613_062245_000000352079_00464_38093_2798.N1 | 13-JUN-2009 06:22:45 | Dark | 34.500 | 31 | Alp Gru | 1.7340 | 15200. | 69 | 38093 | No |
| 50 | GOM_NL__2PRFIN20090613_062427_000000432079_00464_38093_2799.N1 | 13-JUN-2009 06:24:27 | Straylight | 42.500 | 172 | Gam Gru | 3.0030 | 13100. | 85 | 38093 | No |
| 51 | GOM_NL__2PRFIN20090613_063636_000000302079_00464_38093_2800.N1 | 13-JUN-2009 06:36:36 | Twilight | 30.000 | 38 | 20Eps Sgr | 1.8360 | 11000. | 60 | 38093 | No |
| 52 | GOM_NL__2PRFIN20090613_063835_000000362079_00464_38093_2801.N1 | 13-JUN-2009 06:38:35 | Twilight | 35.500 | 57 | 34Sig Sgr | 2.0660 | 26000. | 71 | 38093 | No |
| 53 | GOM_NL__2PRFIN20090613_065022_000000332079_00464_38093_2802.N1 | 13-JUN-2009 06:50:22 | Bright | 32.500 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 65 | 38093 | No |
| 54 | GOM_NL__2PRFIN20090613_065255_000000332079_00464_38093_2803.N1 | 13-JUN-2009 06:52:55 | Bright | 32.500 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 65 | 38093 | No |
| 55 | GOM_NL__2PRFIN20090613_070448_000000302079_00464_38093_2804.N1 | 13-JUN-2009 07:04:48 | Bright | 29.500 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 59 | 38093 | No |
| 56 | GOM_NL__2PRFIN20090613_071522_000000312079_00464_38093_2805.N1 | 13-JUN-2009 07:15:22 | Twilight | 31.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 62 | 38093 | No |
| 57 | GOM_NL__2PRFIN20090613_072135_000000262079_00464_38093_2806.N1 | 13-JUN-2009 07:21:35 | Twilight | 26.000 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 52 | 38093 | No |
| 58 | GOM_NL__2PRFIN20090613_073014_000000252079_00464_38093_2807.N1 | 13-JUN-2009 07:30:14 | Twilight | 25.000 | 53 | 43Bet And | 2.0480 | 3300.0 | 50 | 38093 | No |
| 59 | GOM_NL__2PRFIN20090613_074852_000000322079_00464_38093_2808.N1 | 13-JUN-2009 07:48:52 | Dark | 32.000 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 64 | 38093 | No |
| 60 | GOM_NL__2PRFIN20090613_075933_000000452079_00465_38094_2810.N1 | 13-JUN-2009 07:59:33 | Dark | 45.000 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 90 | 38094 | No |
| 61 | GOM_NL__2PRFIN20090613_080120_000000342079_00465_38094_2811.N1 | 13-JUN-2009 08:01:20 | Dark | 33.500 | 63 | Bet Gru | 2.1500 | 2800.0 | 67 | 38094 | No |
| 62 | GOM_NL__2PRFIN20090613_080321_000000352079_00465_38094_2812.N1 | 13-JUN-2009 08:03:21 | Dark | 35.000 | 31 | Alp Gru | 1.7340 | 15200. | 70 | 38094 | No |
| 63 | GOM_NL__2PRFIN20090613_080504_000000432079_00465_38094_2813.N1 | 13-JUN-2009 08:05:04 | Straylight | 42.500 | 172 | Gam Gru | 3.0030 | 13100. | 85 | 38094 | No |
| 64 | GOM_NL__2PRFIN20090613_081712_000000302079_00465_38094_2814.N1 | 13-JUN-2009 08:17:12 | Twilight | 30.000 | 38 | 20Eps Sgr | 1.8360 | 11000. | 60 | 38094 | No |
| 65 | GOM_NL__2PRFIN20090613_081911_000000352079_00465_38094_2815.N1 | 13-JUN-2009 08:19:11 | Twilight | 35.000 | 57 | 34Sig Sgr | 2.0660 | 26000. | 70 | 38094 | No |
| 66 | GOM_NL__2PRFIN20090613_083057_000000332079_00465_38094_2816.N1 | 13-JUN-2009 08:30:57 | Bright | 33.000 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 66 | 38094 | No |
| 67 | GOM_NL__2PRFIN20090613_083331_000000332079_00465_38094_2817.N1 | 13-JUN-2009 08:33:31 | Bright | 32.500 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 65 | 38094 | No |
| 68 | GOM_NL__2PRFIN20090613_084523_000000302079_00465_38094_2818.N1 | 13-JUN-2009 08:45:23 | Bright | 29.500 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 59 | 38094 | No |
| 69 | GOM_NL__2PRFIN20090613_085557_000000312079_00465_38094_2819.N1 | 13-JUN-2009 08:55:57 | Twilight | 31.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 62 | 38094 | No |
| 70 | GOM_NL__2PRFIN20090613_090210_000000262079_00465_38094_2820.N1 | 13-JUN-2009 09:02:10 | Twilight | 26.000 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 52 | 38094 | No |
| 71 | GOM_NL__2PRFIN20090613_091050_000000252079_00465_38094_2821.N1 | 13-JUN-2009 09:10:50 | Twilight | 25.000 | 53 | 43Bet And | 2.0480 | 3300.0 | 50 | 38094 | No |
| 72 | GOM_NL__2PRFIN20090613_092929_000000322079_00465_38094_2822.N1 | 13-JUN-2009 09:29:29 | Dark | 32.000 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 64 | 38094 | No |
| 73 | GOM_NL__2PRFIN20090613_094011_000000452079_00466_38095_2824.N1 | 13-JUN-2009 09:40:11 | Dark | 45.000 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 90 | 38095 | No |
| 74 | GOM_NL__2PRFIN20090613_094156_000000352079_00466_38095_2825.N1 | 13-JUN-2009 09:41:56 | Dark | 34.500 | 63 | Bet Gru | 2.1500 | 2800.0 | 69 | 38095 | No |
| 75 | GOM_NL__2PRFIN20090613_094358_000000352079_00466_38095_2826.N1 | 13-JUN-2009 09:43:58 | Dark | 35.000 | 31 | Alp Gru | 1.7340 | 15200. | 70 | 38095 | No |
| 76 | GOM_NL__2PRFIN20090613_094541_000000432079_00466_38095_2827.N1 | 13-JUN-2009 09:45:41 | Straylight | 42.500 | 172 | Gam Gru | 3.0030 | 13100. | 85 | 38095 | No |
| 77 | GOM_NL__2PRFIN20090613_095748_000000302079_00466_38095_2828.N1 | 13-JUN-2009 09:57:48 | Twilight | 30.000 | 38 | 20Eps Sgr | 1.8360 | 11000. | 60 | 38095 | No |
| 78 | GOM_NL__2PRFIN20090613_095947_000000352079_00466_38095_2829.N1 | 13-JUN-2009 09:59:47 | Twilight | 34.500 | 57 | 34Sig Sgr | 2.0660 | 26000. | 69 | 38095 | No |
| 79 | GOM_NL__2PRFIN20090613_101133_000000332079_00466_38095_2830.N1 | 13-JUN-2009 10:11:33 | Bright | 32.500 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 65 | 38095 | No |
| 80 | GOM_NL__2PRFIN20090613_101407_000000332079_00466_38095_2831.N1 | 13-JUN-2009 10:14:07 | Bright | 32.500 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 65 | 38095 | No |
| 81 | GOM_NL__2PRFIN20090613_102558_000000302079_00466_38095_2832.N1 | 13-JUN-2009 10:25:58 | Bright | 29.500 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 59 | 38095 | No |
| 82 | GOM_NL__2PRFIN20090613_103632_000000322079_00466_38095_2833.N1 | 13-JUN-2009 10:36:32 | Twilight | 31.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 63 | 38095 | No |
| 83 | GOM_NL__2PRFIN20090613_104246_000000262079_00466_38095_2834.N1 | 13-JUN-2009 10:42:46 | Twilight | 26.000 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 52 | 38095 | No |
| 84 | GOM_NL__2PRFIN20090613_105125_000000252079_00466_38095_2835.N1 | 13-JUN-2009 10:51:25 | Twilight | 25.000 | 53 | 43Bet And | 2.0480 | 3300.0 | 50 | 38095 | No |
| 85 | GOM_NL__2PRFIN20090613_111006_000000322079_00466_38095_2836.N1 | 13-JUN-2009 11:10:06 | Dark | 32.000 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 64 | 38095 | No |
| 86 | GOM_NL__2PRFIN20090613_112048_000000412079_00467_38096_2839.N1 | 13-JUN-2009 11:20:48 | Dark | 41.000 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 82 | 38096 | No |
| 87 | GOM_NL__2PRFIN20090613_112233_000000342079_00467_38096_2840.N1 | 13-JUN-2009 11:22:33 | Dark | 34.000 | 63 | Bet Gru | 2.1500 | 2800.0 | 68 | 38096 | No |
| 88 | GOM_NL__2PRFIN20090613_112435_000000352079_00467_38096_2841.N1 | 13-JUN-2009 11:24:35 | Dark | 34.500 | 31 | Alp Gru | 1.7340 | 15200. | 69 | 38096 | No |
| 89 | GOM_NL__2PRFIN20090613_112618_000000432079_00467_38096_2842.N1 | 13-JUN-2009 11:26:18 | Straylight | 42.500 | 172 | Gam Gru | 3.0030 | 13100. | 85 | 38096 | No |
| 90 | GOM_NL__2PRFIN20090613_113825_000000302079_00467_38096_2843.N1 | 13-JUN-2009 11:38:25 | Twilight | 29.500 | 38 | 20Eps Sgr | 1.8360 | 11000. | 59 | 38096 | No |
| 91 | GOM_NL__2PRFIN20090613_114024_000000352079_00467_38096_2844.N1 | 13-JUN-2009 11:40:24 | Twilight | 34.500 | 57 | 34Sig Sgr | 2.0660 | 26000. | 69 | 38096 | No |
| 92 | GOM_NL__2PRFIN20090613_115208_000000332079_00467_38096_2845.N1 | 13-JUN-2009 11:52:08 | Bright | 33.000 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 66 | 38096 | No |
| 93 | GOM_NL__2PRFIN20090613_115442_000000332079_00467_38096_2846.N1 | 13-JUN-2009 11:54:42 | Bright | 32.500 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 65 | 38096 | No |
| 94 | GOM_NL__2PRFIN20090613_120634_000000302079_00467_38096_2847.N1 | 13-JUN-2009 12:06:34 | Bright | 29.500 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 59 | 38096 | No |
| 95 | GOM_NL__2PRFIN20090613_121707_000000322079_00467_38096_2848.N1 | 13-JUN-2009 12:17:07 | Twilight | 31.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 63 | 38096 | No |
| 96 | GOM_NL__2PRFIN20090613_122321_000000272079_00467_38096_2849.N1 | 13-JUN-2009 12:23:21 | Twilight | 26.500 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 53 | 38096 | No |
| 97 | GOM_NL__2PRFIN20090613_123201_000000252079_00467_38096_2850.N1 | 13-JUN-2009 12:32:01 | Twilight | 25.000 | 53 | 43Bet And | 2.0480 | 3300.0 | 50 | 38096 | No |
| 98 | GOM_NL__2PRFIN20090613_125043_000000322079_00467_38096_2851.N1 | 13-JUN-2009 12:50:43 | Dark | 32.000 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 64 | 38096 | No |
| 99 | GOM_NL__2PRFIN20090613_130126_000000412079_00468_38097_2853.N1 | 13-JUN-2009 13:01:26 | Dark | 41.000 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 82 | 38097 | No |
| 100 | GOM_NL__2PRFIN20090613_130310_000000352079_00468_38097_2854.N1 | 13-JUN-2009 13:03:10 | Dark | 34.500 | 63 | Bet Gru | 2.1500 | 2800.0 | 69 | 38097 | No |
| 101 | GOM_NL__2PRFIN20090613_130512_000000352079_00468_38097_2855.N1 | 13-JUN-2009 13:05:12 | Dark | 34.500 | 31 | Alp Gru | 1.7340 | 15200. | 69 | 38097 | No |

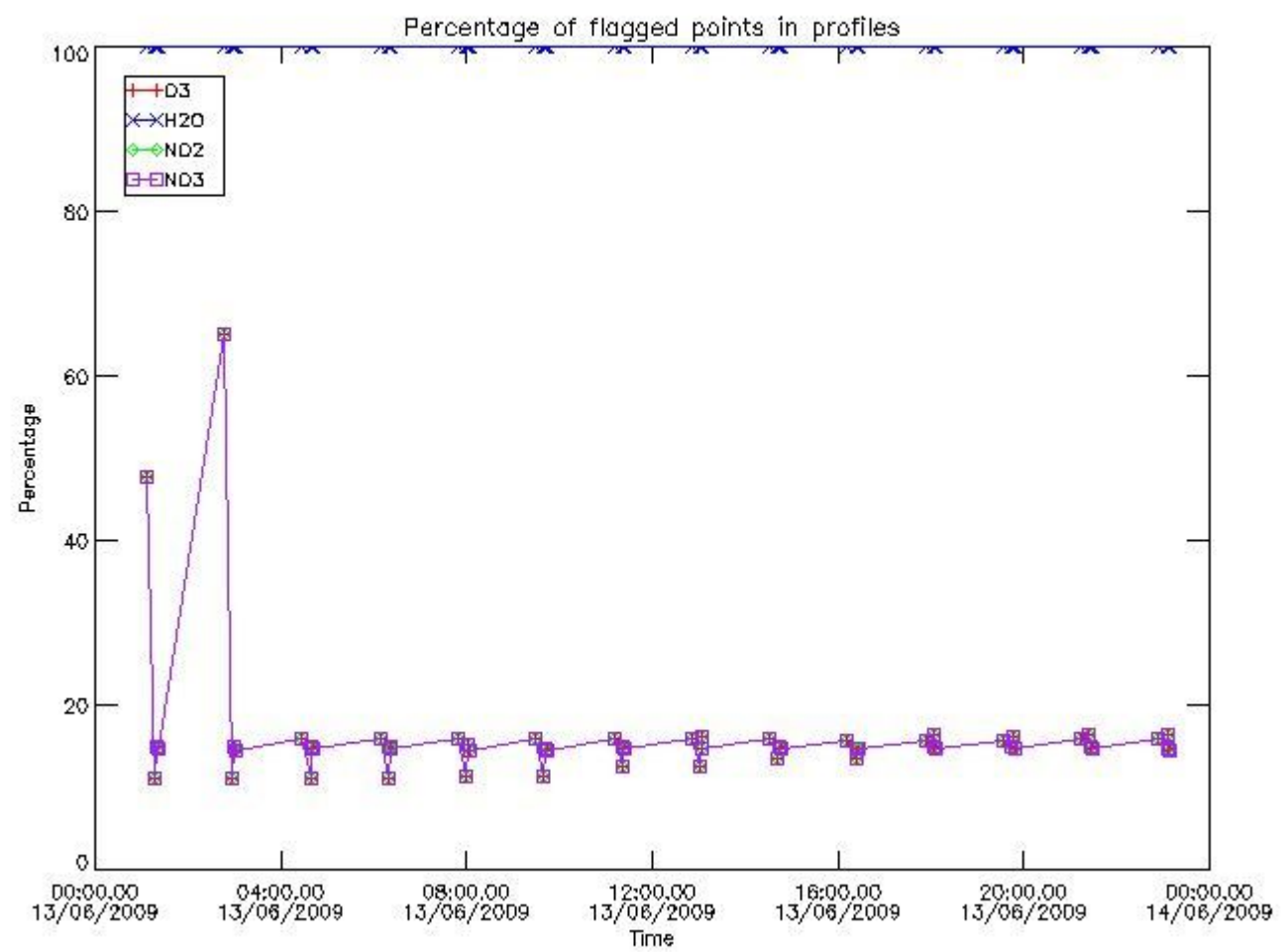
| | | | | | | | | | | | |
|-----|--|----------------------|---------------|--------|-----|-----------|--------|--------|----|-------|----|
| 102 | GOM_NL__2PRFIN20090613_130656_000000432079_00468_38097_2856.N1 | 13-JUN-2009 13:06:56 | Straylight | 42.500 | 172 | Gam Gru | 3.0030 | 13100. | 85 | 38097 | No |
| 103 | GOM_NL__2PRFIN20090613_131901_000000302079_00468_38097_2857.N1 | 13-JUN-2009 13:19:01 | Twi_and_stray | 30.000 | 38 | 20Eps Sgr | 1.8360 | 11000. | 60 | 38097 | No |
| 104 | GOM_NL__2PRFIN20090613_132100_000000352079_00468_38097_2858.N1 | 13-JUN-2009 13:21:00 | Twi_and_stray | 34.500 | 57 | 34Sig Sgr | 2.0660 | 26000. | 69 | 38097 | No |
| 105 | GOM_NL__2PRFIN20090613_133244_000000332079_00468_38097_2859.N1 | 13-JUN-2009 13:32:44 | Bright | 32.500 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 65 | 38097 | No |
| 106 | GOM_NL__2PRFIN20090613_133518_000000322079_00468_38097_2860.N1 | 13-JUN-2009 13:35:18 | Bright | 32.000 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 64 | 38097 | No |
| 107 | GOM_NL__2PRFIN20090613_134709_000000302079_00468_38097_2861.N1 | 13-JUN-2009 13:47:09 | Bright | 30.000 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 60 | 38097 | No |
| 108 | GOM_NL__2PRFIN20090613_135743_000000322079_00468_38097_2862.N1 | 13-JUN-2009 13:57:43 | Twi_and_stray | 31.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 63 | 38097 | No |
| 109 | GOM_NL__2PRFIN20090613_140357_000000262079_00468_38097_2863.N1 | 13-JUN-2009 14:03:57 | Twi_and_stray | 26.000 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 52 | 38097 | No |
| 110 | GOM_NL__2PRFIN20090613_141237_000000252079_00468_38097_2864.N1 | 13-JUN-2009 14:12:37 | Twi_and_stray | 25.000 | 53 | 43Bet And | 2.0480 | 3300.0 | 50 | 38097 | No |
| 111 | GOM_NL__2PRFIN20090613_143120_000000322079_00468_38097_2865.N1 | 13-JUN-2009 14:31:20 | Dark | 32.000 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 64 | 38097 | No |
| 112 | GOM_NL__2PRFIN20090613_144204_000000382079_00469_38098_2867.N1 | 13-JUN-2009 14:42:04 | Dark | 38.000 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 76 | 38098 | No |
| 113 | GOM_NL__2PRFIN20090613_144347_000000342079_00469_38098_2868.N1 | 13-JUN-2009 14:43:47 | Dark | 34.000 | 63 | Bet Gru | 2.1500 | 2800.0 | 68 | 38098 | No |
| 114 | GOM_NL__2PRFIN20090613_144549_000000352079_00469_38098_2869.N1 | 13-JUN-2009 14:45:49 | Dark | 34.500 | 31 | Alp Gru | 1.7340 | 15200. | 69 | 38098 | No |
| 115 | GOM_NL__2PRFIN20090613_144733_000000422079_00469_38098_2870.N1 | 13-JUN-2009 14:47:33 | Straylight | 42.000 | 172 | Gam Gru | 3.0030 | 13100. | 84 | 38098 | No |
| 116 | GOM_NL__2PRFIN20090613_145937_000000302079_00469_38098_2871.N1 | 13-JUN-2009 14:59:37 | Twi_and_stray | 30.000 | 38 | 20Eps Sgr | 1.8360 | 11000. | 60 | 38098 | No |
| 117 | GOM_NL__2PRFIN20090613_150136_000000352079_00469_38098_2872.N1 | 13-JUN-2009 15:01:36 | Twi_and_stray | 35.000 | 57 | 34Sig Sgr | 2.0660 | 26000. | 70 | 38098 | No |
| 118 | GOM_NL__2PRFIN20090613_151319_000000332079_00469_38098_2873.N1 | 13-JUN-2009 15:13:19 | Bright | 33.000 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 66 | 38098 | No |
| 119 | GOM_NL__2PRFIN20090613_151553_000000332079_00469_38098_2874.N1 | 13-JUN-2009 15:15:53 | Bright | 32.500 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 65 | 38098 | No |
| 120 | GOM_NL__2PRFIN20090613_152745_000000302079_00469_38098_2875.N1 | 13-JUN-2009 15:27:45 | Bright | 29.500 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 59 | 38098 | No |
| 121 | GOM_NL__2PRFIN20090613_153818_000000322079_00469_38098_2876.N1 | 13-JUN-2009 15:38:18 | Twi_and_stray | 31.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 63 | 38098 | No |
| 122 | GOM_NL__2PRFIN20090613_154433_000000262079_00469_38098_2877.N1 | 13-JUN-2009 15:44:33 | Twi_and_stray | 26.000 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 52 | 38098 | No |
| 123 | GOM_NL__2PRFIN20090613_155313_000000252079_00469_38098_2878.N1 | 13-JUN-2009 15:53:13 | Twi_and_stray | 25.000 | 53 | 43Bet And | 2.0480 | 3300.0 | 50 | 38098 | No |
| 124 | GOM_NL__2PRFIN20090613_161156_000000332079_00469_38098_2879.N1 | 13-JUN-2009 16:11:56 | Dark | 32.500 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 65 | 38098 | No |
| 125 | GOM_NL__2PRFIN20090613_162241_000000382079_00470_38099_2882.N1 | 13-JUN-2009 16:22:41 | Dark | 38.000 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 76 | 38099 | No |
| 126 | GOM_NL__2PRFIN20090613_162423_000000352079_00470_38099_2883.N1 | 13-JUN-2009 16:24:23 | Dark | 34.500 | 63 | Bet Gru | 2.1500 | 2800.0 | 69 | 38099 | No |
| 127 | GOM_NL__2PRFIN20090613_162626_000000352079_00470_38099_2884.N1 | 13-JUN-2009 16:26:26 | Dark | 34.500 | 31 | Alp Gru | 1.7340 | 15200. | 69 | 38099 | No |
| 128 | GOM_NL__2PRFIN20090613_162810_000000432079_00470_38099_2885.N1 | 13-JUN-2009 16:28:10 | Straylight | 42.500 | 172 | Gam Gru | 3.0030 | 13100. | 85 | 38099 | No |
| 129 | GOM_NL__2PRFIN20090613_164014_000000302079_00470_38099_2886.N1 | 13-JUN-2009 16:40:14 | Twi_and_stray | 29.500 | 38 | 20Eps Sgr | 1.8360 | 11000. | 59 | 38099 | No |
| 130 | GOM_NL__2PRFIN20090613_164213_000000352079_00470_38099_2887.N1 | 13-JUN-2009 16:42:13 | Twi_and_stray | 35.000 | 57 | 34Sig Sgr | 2.0660 | 26000. | 70 | 38099 | No |
| 131 | GOM_NL__2PRFIN20090613_165355_000000332079_00470_38099_2888.N1 | 13-JUN-2009 16:53:55 | Bright | 33.000 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 66 | 38099 | No |
| 132 | GOM_NL__2PRFIN20090613_165629_000000332079_00470_38099_2889.N1 | 13-JUN-2009 16:56:29 | Bright | 32.500 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 65 | 38099 | No |
| 133 | GOM_NL__2PRFIN20090613_170820_000000302079_00470_38099_2890.N1 | 13-JUN-2009 17:08:20 | Bright | 29.500 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 59 | 38099 | No |
| 134 | GOM_NL__2PRFIN20090613_171853_000000322079_00470_38099_2891.N1 | 13-JUN-2009 17:18:53 | Twi_and_stray | 31.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 63 | 38099 | No |
| 135 | GOM_NL__2PRFIN20090613_172508_000000262079_00470_38099_2892.N1 | 13-JUN-2009 17:25:08 | Twi_and_stray | 26.000 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 52 | 38099 | No |
| 136 | GOM_NL__2PRFIN20090613_173350_000000252079_00470_38099_2893.N1 | 13-JUN-2009 17:33:50 | Twi_and_stray | 25.000 | 53 | 43Bet And | 2.0480 | 3300.0 | 50 | 38099 | No |
| 137 | GOM_NL__2PRFIN20090613_175234_000000332079_00470_38099_2894.N1 | 13-JUN-2009 17:52:34 | Dark | 32.500 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 65 | 38099 | No |
| 138 | GOM_NL__2PRFIN20090613_180319_000000342079_00471_38100_2916.N1 | 13-JUN-2009 18:03:19 | Dark | 34.000 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 68 | 38100 | No |
| 139 | GOM_NL__2PRFIN20090613_180501_000000342079_00471_38100_2917.N1 | 13-JUN-2009 18:05:01 | Dark | 34.000 | 63 | Bet Gru | 2.1500 | 2800.0 | 68 | 38100 | No |
| 140 | GOM_NL__2PRFIN20090613_180703_000000352079_00471_38100_2918.N1 | 13-JUN-2009 18:07:03 | Dark | 34.500 | 31 | Alp Gru | 1.7340 | 15200. | 69 | 38100 | No |
| 141 | GOM_NL__2PRFIN20090613_180848_000000422079_00471_38100_2919.N1 | 13-JUN-2009 18:08:48 | Straylight | 42.000 | 172 | Gam Gru | 3.0030 | 13100. | 84 | 38100 | No |
| 142 | GOM_NL__2PRFIN20090613_182050_000000302079_00471_38100_2920.N1 | 13-JUN-2009 18:20:50 | Twi_and_stray | 30.000 | 38 | 20Eps Sgr | 1.8360 | 11000. | 60 | 38100 | No |
| 143 | GOM_NL__2PRFIN20090613_182221_000000312079_00471_38100_2921.N1 | 13-JUN-2009 18:22:21 | Twi_and_stray | 30.500 | 116 | 19Del Sgr | 2.7000 | 4100.0 | 61 | 38100 | No |
| 144 | GOM_NL__2PRFIN20090613_182342_000000322079_00471_38100_2922.N1 | 13-JUN-2009 18:23:42 | Twi_and_stray | 32.000 | 137 | 22Lam Sgr | 2.8240 | 4400.0 | 64 | 38100 | No |
| 145 | GOM_NL__2PRFIN20090613_183431_000000332079_00471_38100_2923.N1 | 13-JUN-2009 18:34:31 | Bright | 32.500 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 65 | 38100 | No |
| 146 | GOM_NL__2PRFIN20090613_183704_000000322079_00471_38100_2924.N1 | 13-JUN-2009 18:37:04 | Bright | 32.000 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 64 | 38100 | No |
| 147 | GOM_NL__2PRFIN20090613_184856_000000302079_00471_38100_2925.N1 | 13-JUN-2009 18:48:56 | Bright | 29.500 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 59 | 38100 | No |
| 148 | GOM_NL__2PRFIN20090613_185928_000000322079_00471_38100_2926.N1 | 13-JUN-2009 18:59:28 | Twi_and_stray | 31.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 63 | 38100 | No |
| 149 | GOM_NL__2PRFIN20090613_190544_000000262079_00471_38100_2927.N1 | 13-JUN-2009 19:05:44 | Twi_and_stray | 26.000 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 52 | 38100 | No |
| 150 | GOM_NL__2PRFIN20090613_191425_000000262079_00471_38100_2928.N1 | 13-JUN-2009 19:14:25 | Twi_and_stray | 25.500 | 53 | 43Bet And | 2.0480 | 3300.0 | 51 | 38100 | No |
| 151 | GOM_NL__2PRFIN20090613_193310_000000332079_00471_38100_2929.N1 | 13-JUN-2009 19:33:10 | Dark | 32.500 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 65 | 38100 | No |
| 152 | GOM_NL__2PRFIN20090613_194356_000000342079_00472_38101_2933.N1 | 13-JUN-2009 19:43:56 | Dark | 34.000 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 68 | 38101 | No |
| 153 | GOM_NL__2PRFIN20090613_194537_000000352079_00472_38101_2934.N1 | 13-JUN-2009 19:45:37 | Dark | 34.500 | 63 | Bet Gru | 2.1500 | 2800.0 | 69 | 38101 | No |
| 154 | GOM_NL__2PRFIN20090613_194740_000000352079_00472_38101_2935.N1 | 13-JUN-2009 19:47:40 | Dark | 34.500 | 31 | Alp Gru | 1.7340 | 15200. | 69 | 38101 | No |
| 155 | GOM_NL__2PRFIN20090613_194925_000000422079_00472_38101_2936.N1 | 13-JUN-2009 19:49:25 | Straylight | 42.000 | 172 | Gam Gru | 3.0030 | 13100. | 84 | 38101 | No |
| 156 | GOM_NL__2PRFIN20090613_200126_000000302079_00472_38101_2937.N1 | 13-JUN-2009 20:01:26 | Twi_and_stray | 30.000 | 38 | 20Eps Sgr | 1.8360 | 11000. | 60 | 38101 | No |
| 157 | GOM_NL__2PRFIN20090613_200257_000000312079_00472_38101_2938.N1 | 13-JUN-2009 20:02:57 | Twi_and_stray | 30.500 | 116 | 19Del Sgr | 2.7000 | 4100.0 | 61 | 38101 | No |
| 158 | GOM_NL__2PRFIN20090613_200419_000000322079_00472_38101_2939.N1 | 13-JUN-2009 20:04:19 | Twi_and_stray | 32.000 | 137 | 22Lam Sgr | 2.8240 | 4400.0 | 64 | 38101 | No |
| 159 | GOM_NL__2PRFIN20090613_201506_000000332079_00472_38101_2940.N1 | 13-JUN-2009 20:15:06 | Bright | 33.000 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 66 | 38101 | No |
| 160 | GOM_NL__2PRFIN20090613_201740_000000332079_00472_38101_2941.N1 | 13-JUN-2009 20:17:40 | Bright | 32.500 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 65 | 38101 | No |

| | | | | | | | | | | | |
|-----|--|----------------------|------------|--------|-----|-----------|--------|--------|----|-------|----|
| 161 | GOM_NL__2PRFIN20090613_202931_000000302079_00472_38101_2942.N1 | 13-JUN-2009 20:29:31 | Bright | 29.500 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 59 | 38101 | No |
| 162 | GOM_NL__2PRFIN20090613_204004_000000322079_00472_38101_2943.N1 | 13-JUN-2009 20:40:04 | Twilight | 31.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 63 | 38101 | No |
| 163 | GOM_NL__2PRFIN20090613_204619_000000262079_00472_38101_2944.N1 | 13-JUN-2009 20:46:19 | Twilight | 26.000 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 52 | 38101 | No |
| 164 | GOM_NL__2PRFIN20090613_205501_000000252079_00472_38101_2945.N1 | 13-JUN-2009 20:55:01 | Twilight | 24.500 | 53 | 43Bet And | 2.0480 | 3300.0 | 49 | 38101 | No |
| 165 | GOM_NL__2PRFIN20090613_211347_000000322079_00472_38101_2946.N1 | 13-JUN-2009 21:13:47 | Dark | 32.000 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 64 | 38101 | No |
| 166 | GOM_NL__2PRFIN20090613_212434_000000312079_00473_38102_2951.N1 | 13-JUN-2009 21:24:34 | Dark | 31.000 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 62 | 38102 | No |
| 167 | GOM_NL__2PRFIN20090613_212614_000000342079_00473_38102_2952.N1 | 13-JUN-2009 21:26:14 | Dark | 34.000 | 63 | Bet Gru | 2.1500 | 2800.0 | 68 | 38102 | No |
| 168 | GOM_NL__2PRFIN20090613_212817_000000352079_00473_38102_2953.N1 | 13-JUN-2009 21:28:17 | Dark | 34.500 | 31 | Alp Gru | 1.7340 | 15200. | 69 | 38102 | No |
| 169 | GOM_NL__2PRFIN20090613_213002_000000422079_00473_38102_2954.N1 | 13-JUN-2009 21:30:02 | Straylight | 42.000 | 172 | Gam Gru | 3.0030 | 13100. | 84 | 38102 | No |
| 170 | GOM_NL__2PRFIN20090613_214202_000000302079_00473_38102_2955.N1 | 13-JUN-2009 21:42:02 | Twilight | 30.000 | 38 | 20Eps Sgr | 1.8360 | 11000. | 60 | 38102 | No |
| 171 | GOM_NL__2PRFIN20090613_214334_000000312079_00473_38102_2956.N1 | 13-JUN-2009 21:43:34 | Twilight | 30.500 | 116 | 19Del Sgr | 2.7000 | 4100.0 | 61 | 38102 | No |
| 172 | GOM_NL__2PRFIN20090613_214455_000000322079_00473_38102_2957.N1 | 13-JUN-2009 21:44:55 | Twilight | 32.000 | 137 | 22Lam Sgr | 2.8240 | 4400.0 | 64 | 38102 | No |
| 173 | GOM_NL__2PRFIN20090613_215542_000000332079_00473_38102_2958.N1 | 13-JUN-2009 21:55:42 | Bright | 32.500 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 65 | 38102 | No |
| 174 | GOM_NL__2PRFIN20090613_215816_000000322079_00473_38102_2959.N1 | 13-JUN-2009 21:58:16 | Bright | 32.000 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 64 | 38102 | No |
| 175 | GOM_NL__2PRFIN20090613_221007_000000302079_00473_38102_2960.N1 | 13-JUN-2009 22:10:07 | Bright | 29.500 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 59 | 38102 | No |
| 176 | GOM_NL__2PRFIN20090613_222039_000000322079_00473_38102_2961.N1 | 13-JUN-2009 22:20:39 | Twilight | 31.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 63 | 38102 | No |
| 177 | GOM_NL__2PRFIN20090613_222655_000000272079_00473_38102_2962.N1 | 13-JUN-2009 22:26:55 | Twilight | 26.500 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 53 | 38102 | No |
| 178 | GOM_NL__2PRFIN20090613_223537_000000262079_00473_38102_2963.N1 | 13-JUN-2009 22:35:37 | Twilight | 25.500 | 53 | 43Bet And | 2.0480 | 3300.0 | 51 | 38102 | No |
| 179 | GOM_NL__2PRFIN20090613_225424_000000322079_00473_38102_2964.N1 | 13-JUN-2009 22:54:24 | Dark | 32.000 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 64 | 38102 | No |
| 180 | GOM_NL__2PRFIN20090613_230511_000000312079_00474_38103_2968.N1 | 13-JUN-2009 23:05:11 | Dark | 31.000 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 62 | 38103 | No |
| 181 | GOM_NL__2PRFIN20090613_230651_000000352079_00474_38103_2969.N1 | 13-JUN-2009 23:06:51 | Dark | 34.500 | 63 | Bet Gru | 2.1500 | 2800.0 | 69 | 38103 | No |
| 182 | GOM_NL__2PRFIN20090613_230853_000000352079_00474_38103_2970.N1 | 13-JUN-2009 23:08:53 | Dark | 35.000 | 31 | Alp Gru | 1.7340 | 15200. | 70 | 38103 | No |
| 183 | GOM_NL__2PRFIN20090613_231039_000000432079_00474_38103_2971.N1 | 13-JUN-2009 23:10:39 | Straylight | 42.500 | 172 | Gam Gru | 3.0030 | 13100. | 85 | 38103 | No |
| 184 | GOM_NL__2PRFIN20090613_232239_000000302079_00474_38103_2972.N1 | 13-JUN-2009 23:22:39 | Twilight | 30.000 | 38 | 20Eps Sgr | 1.8360 | 11000. | 60 | 38103 | No |
| 185 | GOM_NL__2PRFIN20090613_232410_000000312079_00474_38103_2973.N1 | 13-JUN-2009 23:24:10 | Twilight | 30.500 | 116 | 19Del Sgr | 2.7000 | 4100.0 | 61 | 38103 | No |
| 186 | GOM_NL__2PRFIN20090613_232531_000000322079_00474_38103_2974.N1 | 13-JUN-2009 23:25:31 | Twilight | 32.000 | 137 | 22Lam Sgr | 2.8240 | 4400.0 | 64 | 38103 | No |
| 187 | GOM_NL__2PRFIN20090613_233618_000000332079_00474_38103_2975.N1 | 13-JUN-2009 23:36:18 | Bright | 32.500 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 65 | 38103 | No |
| 188 | GOM_NL__2PRFIN20090613_233851_000000322079_00474_38103_2976.N1 | 13-JUN-2009 23:38:51 | Bright | 32.000 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 64 | 38103 | No |
| 189 | GOM_NL__2PRFIN20090613_235042_000000302079_00474_38103_2977.N1 | 13-JUN-2009 23:50:42 | Bright | 29.500 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 59 | 38103 | No |

3. Quality information per product

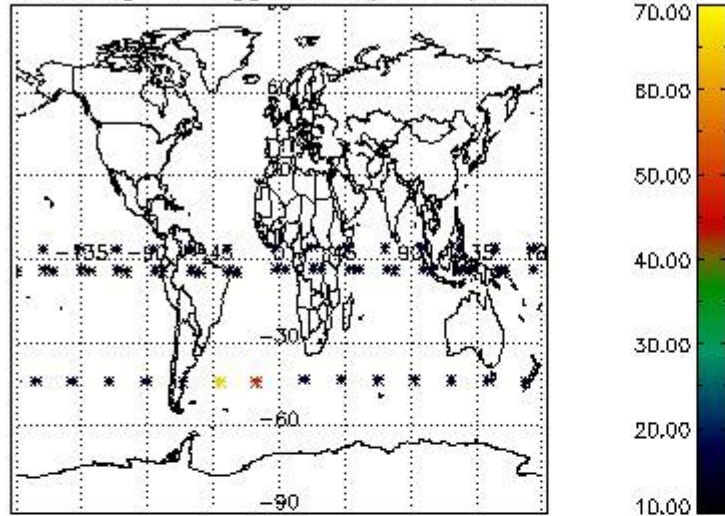
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

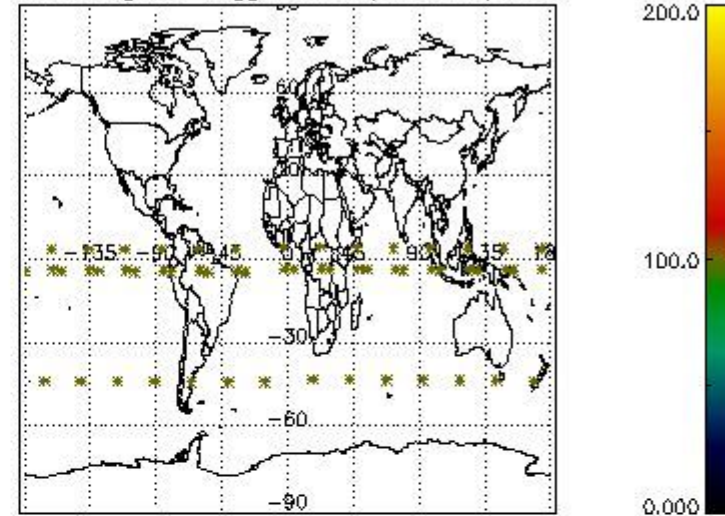


3.2 Plot quality information per product (world map)

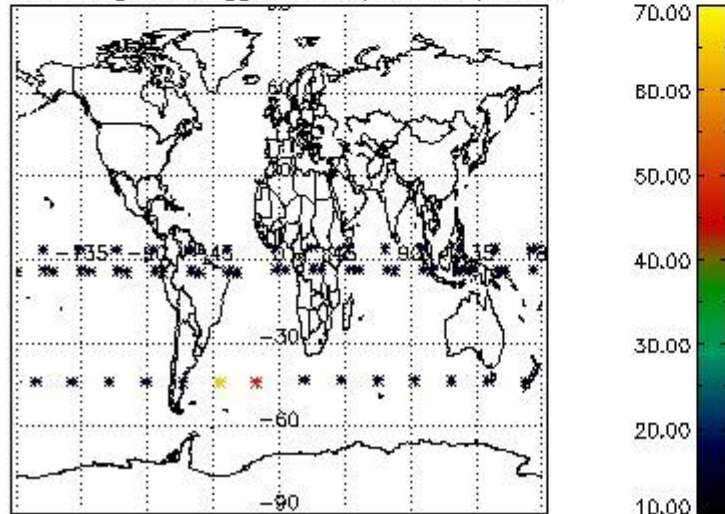
Percentage of flagged data per O3 profile



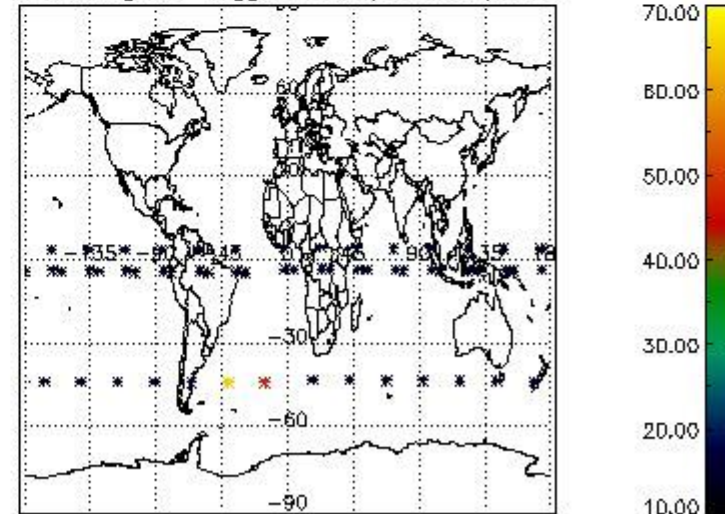
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

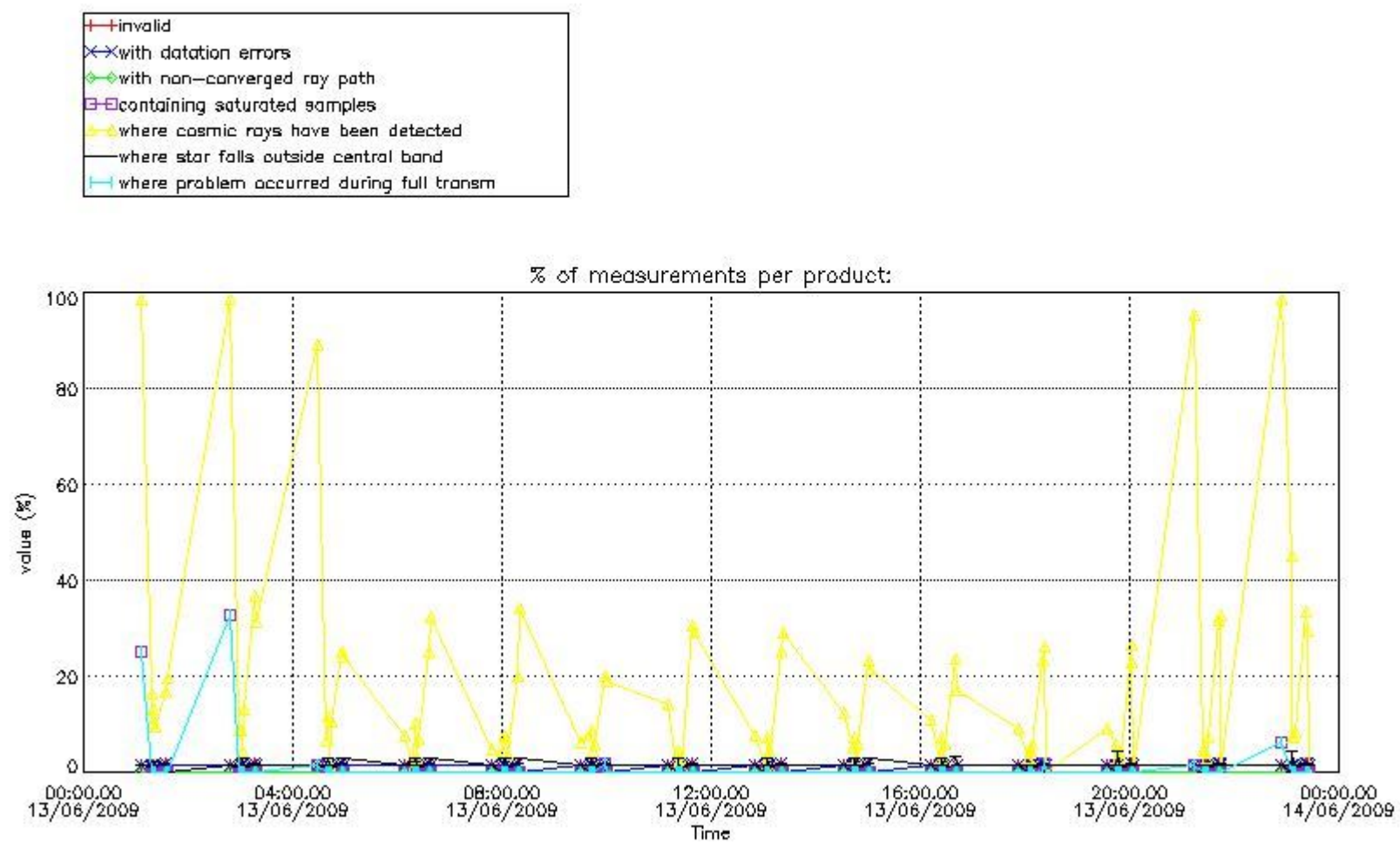


4. Level 1 quality information per product

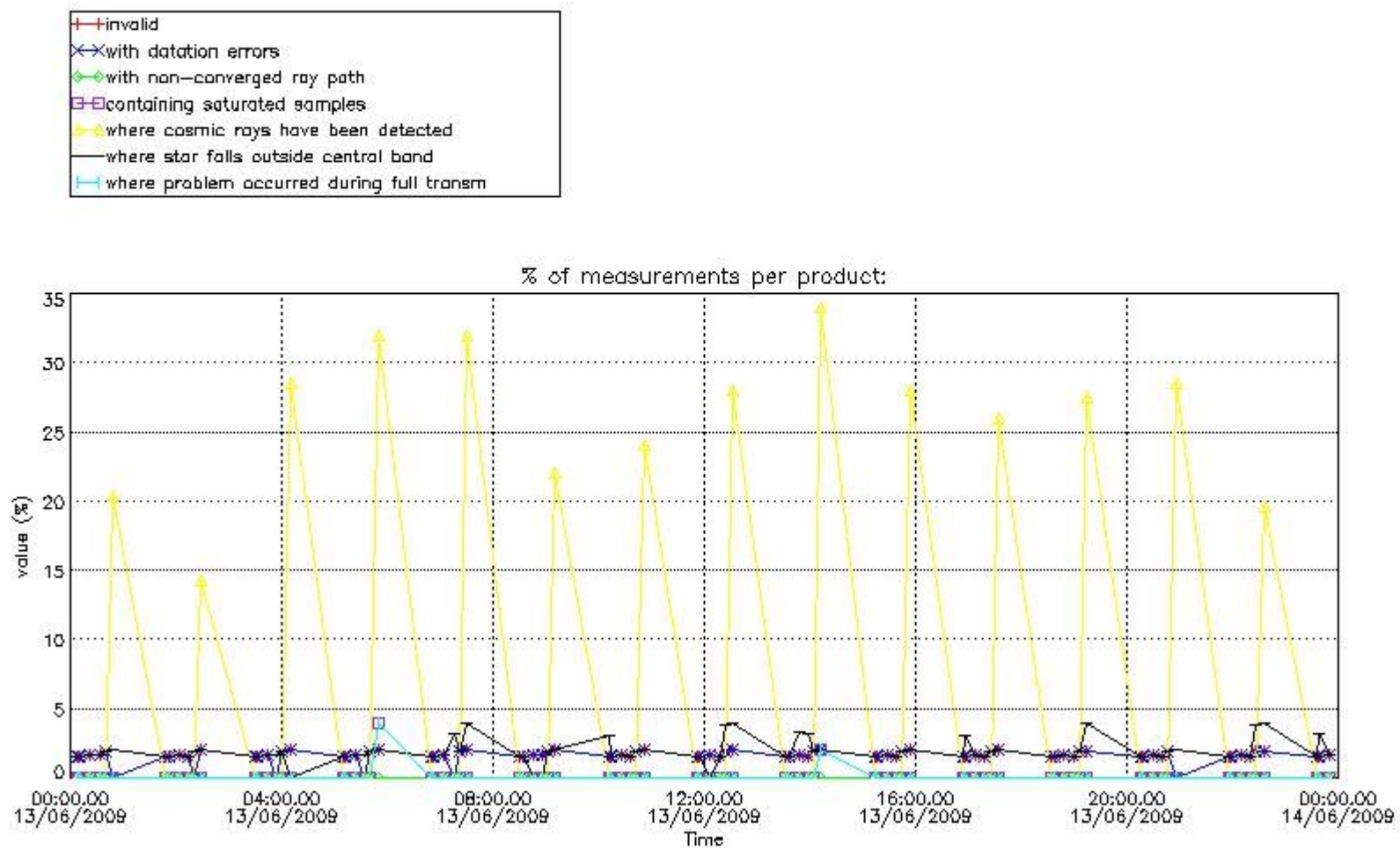
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



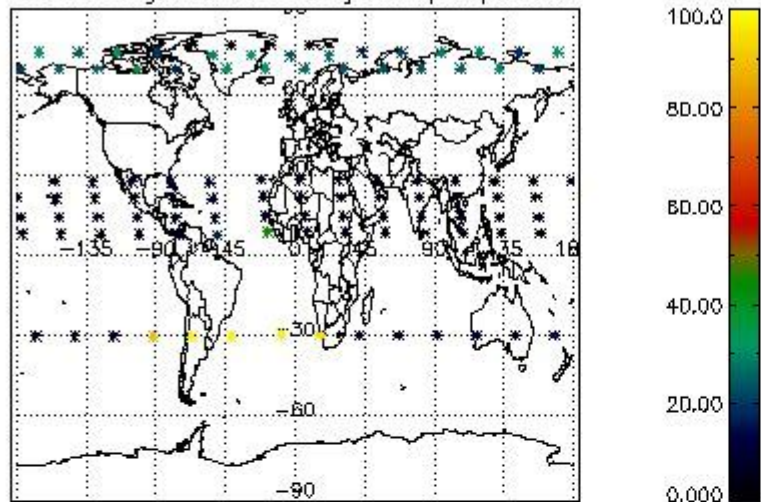
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



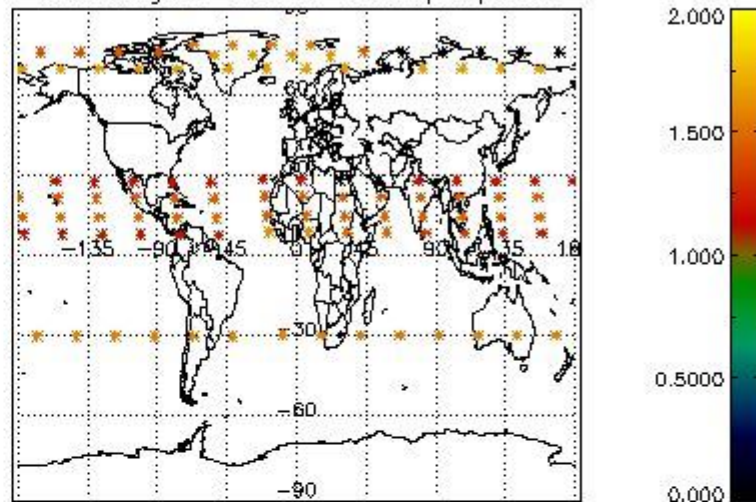
4.2 Plot quality information per product coming from level 1b processing (world map)

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

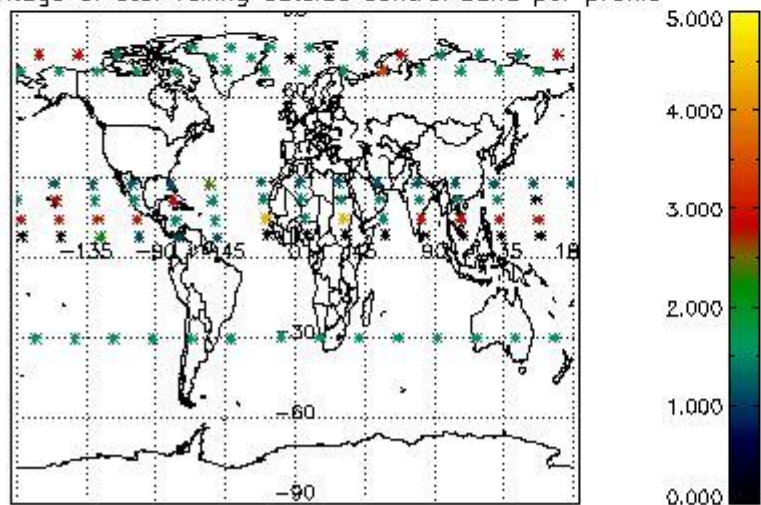
Percentage of cosmic ray hits per profile



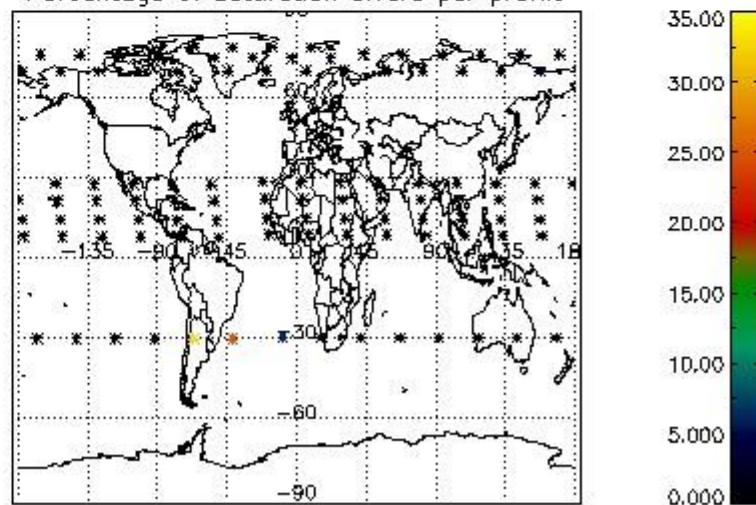
Percentage of datation errors per profile



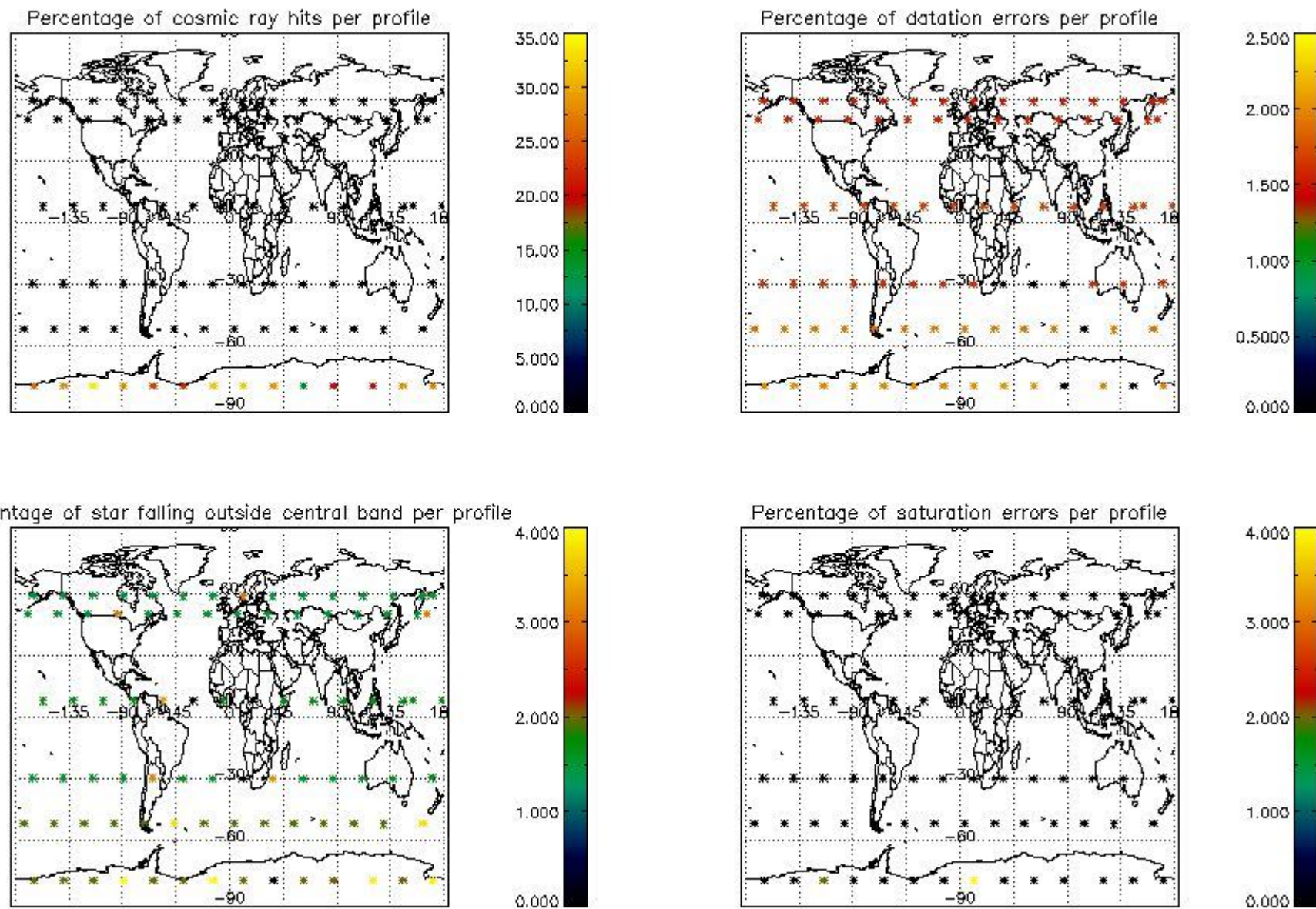
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

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

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

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

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

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

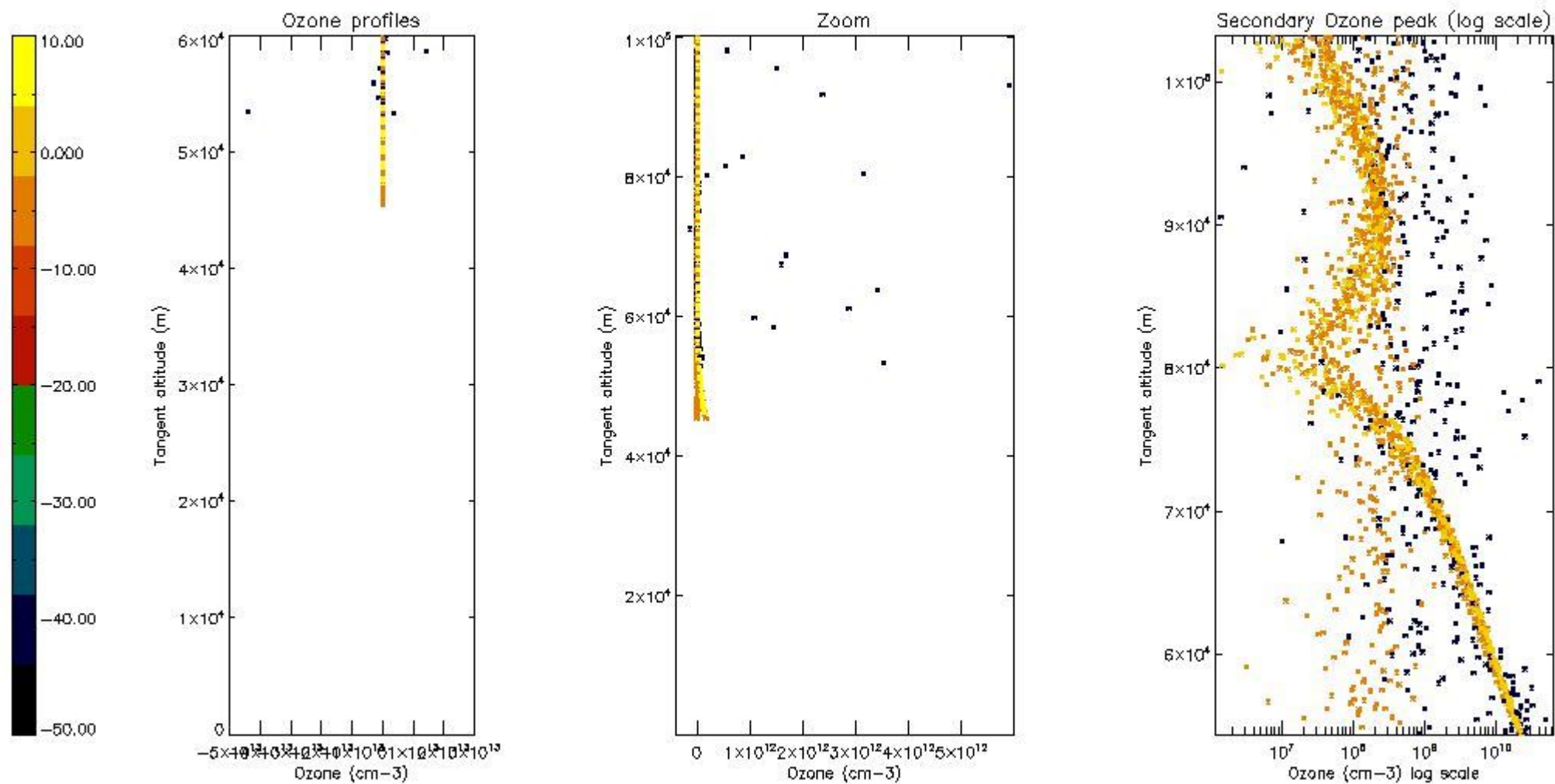
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

| Criteria | % of total production |
|----------|-----------------------|
| All STD | 32 |
| STD < 20 | 7 |

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

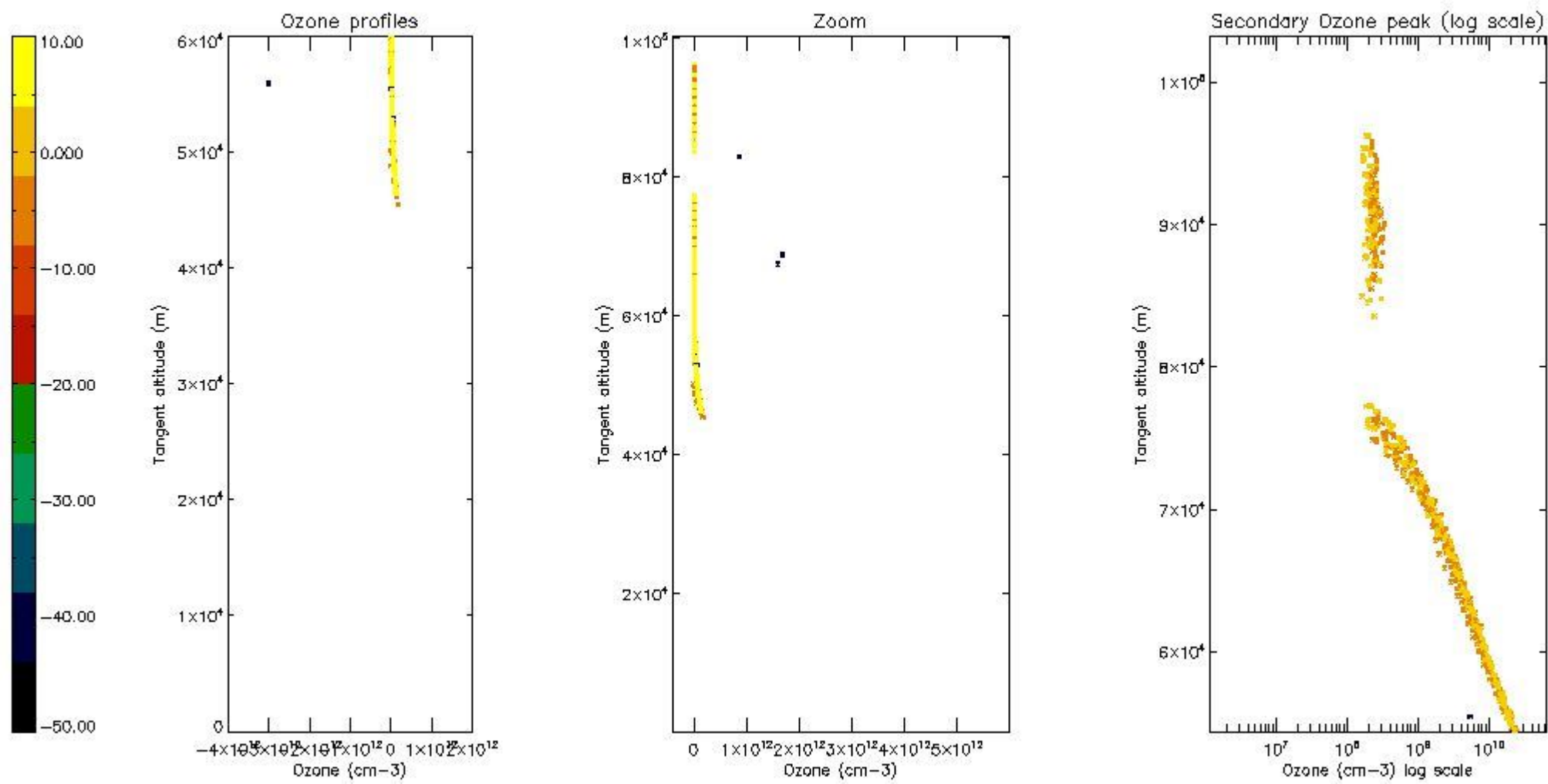
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



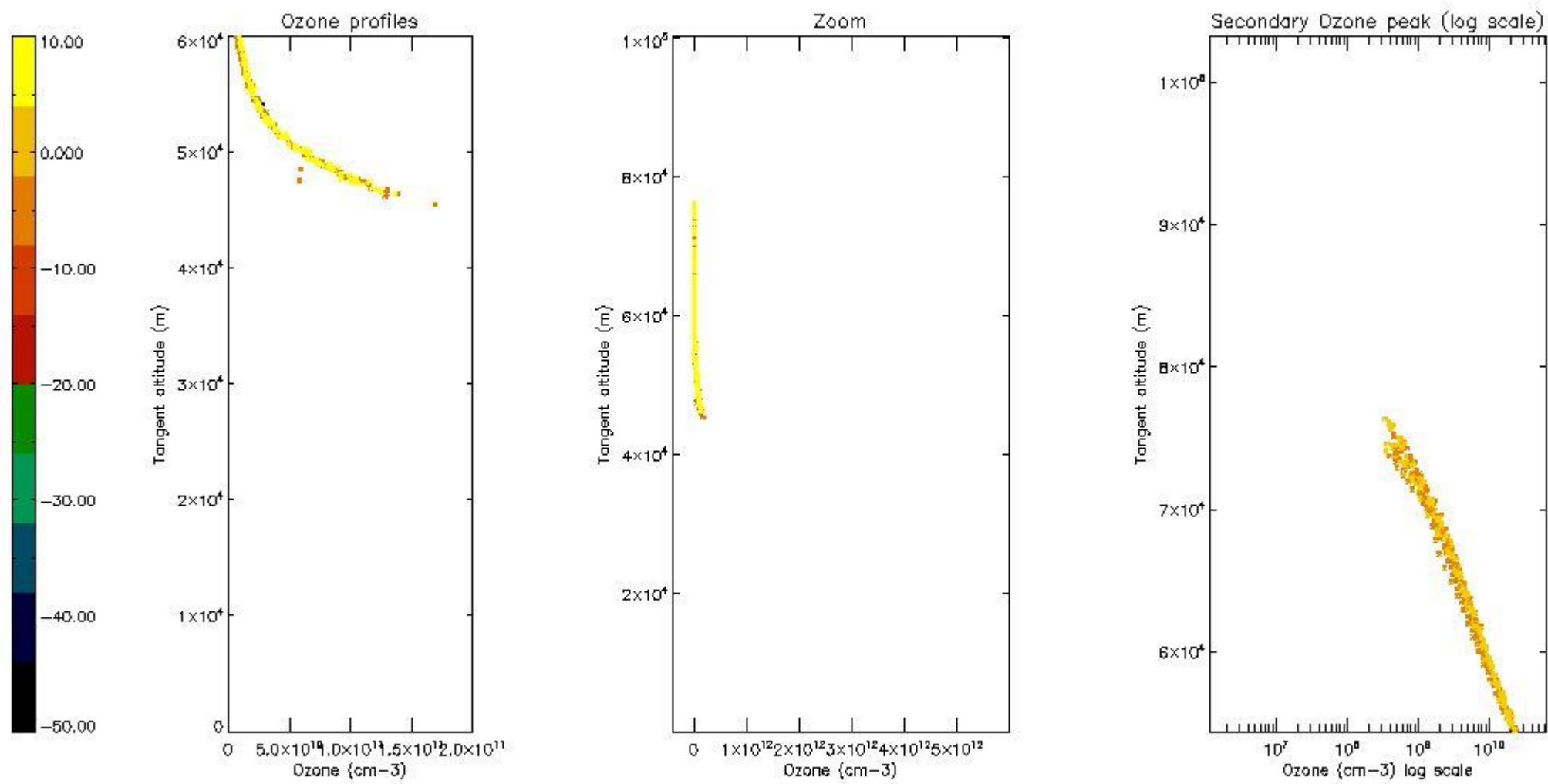
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



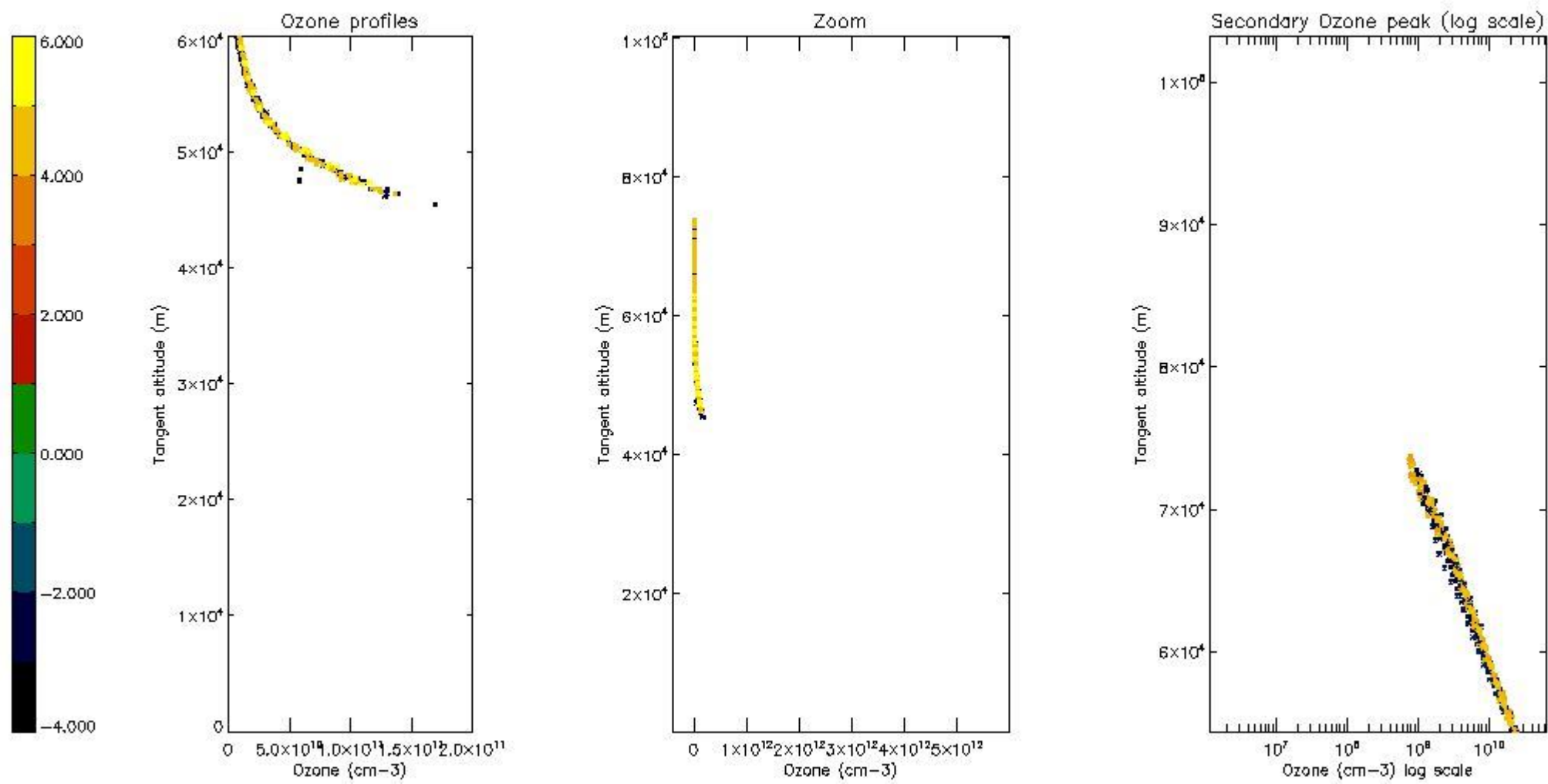
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



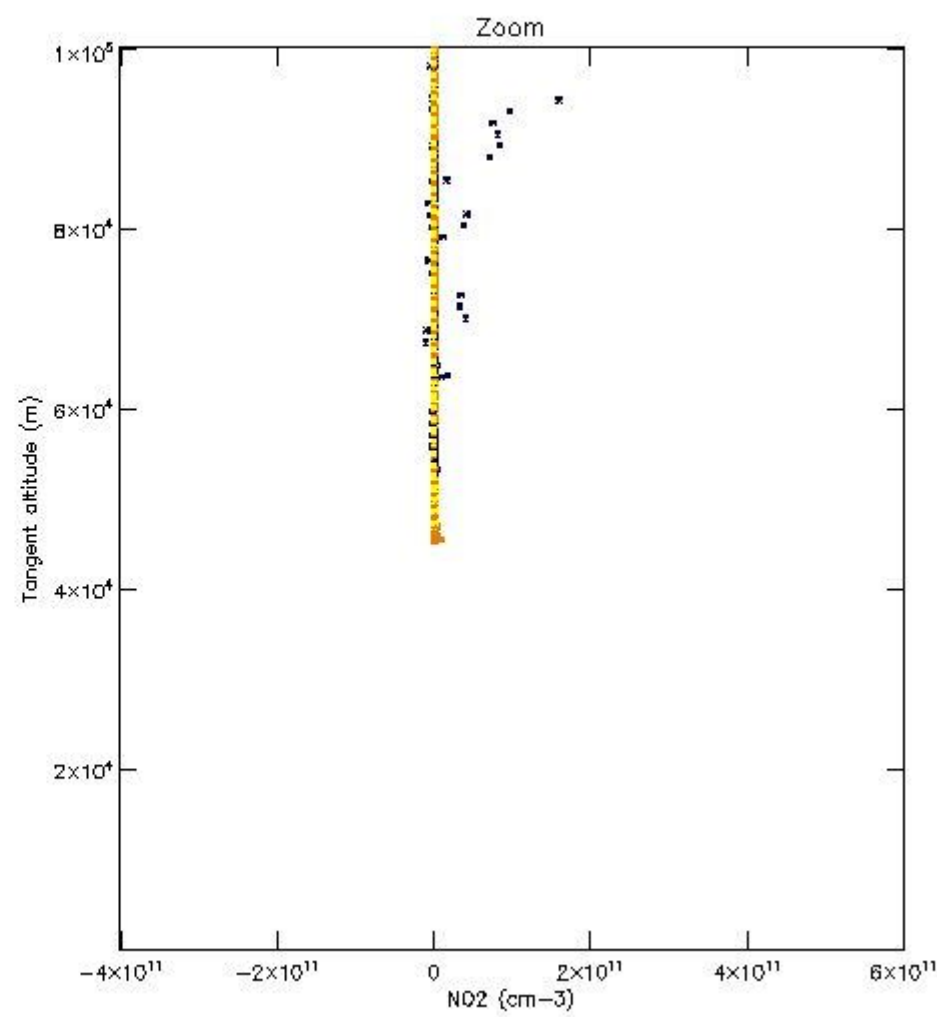
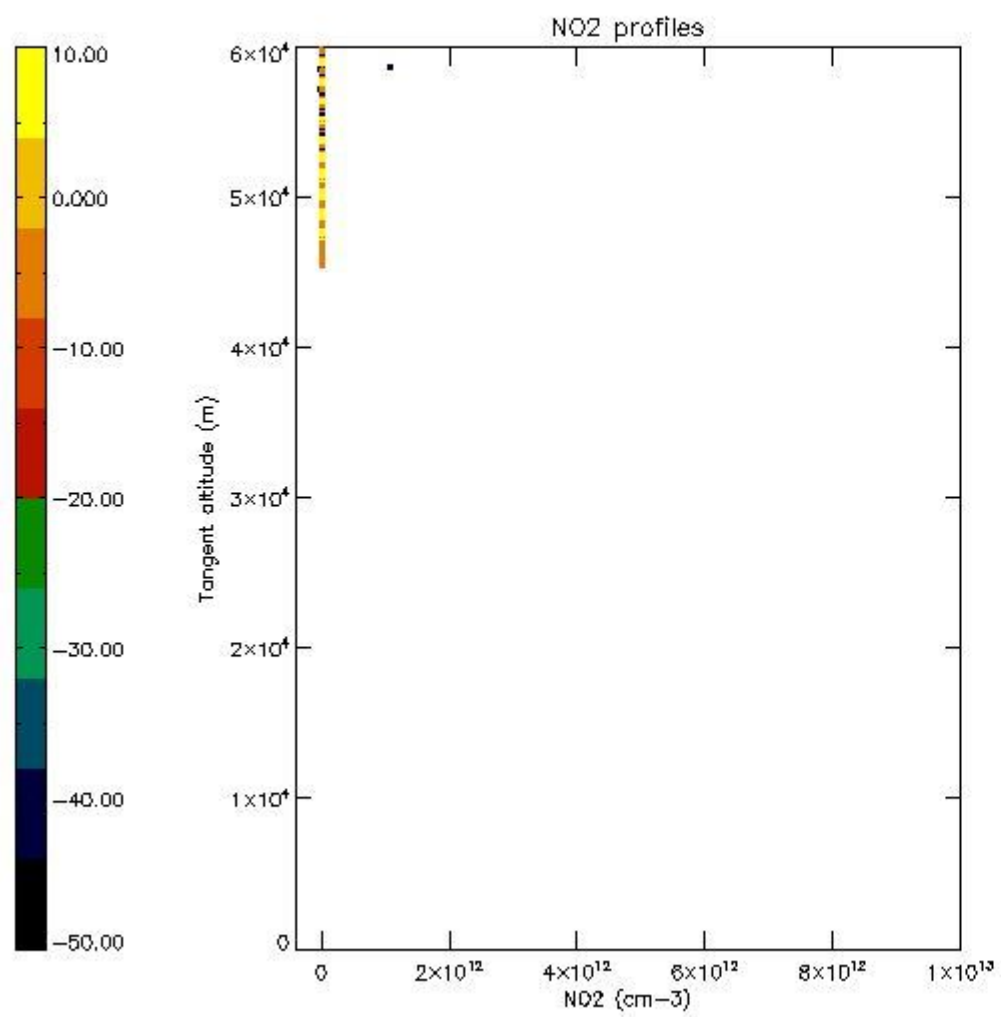
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



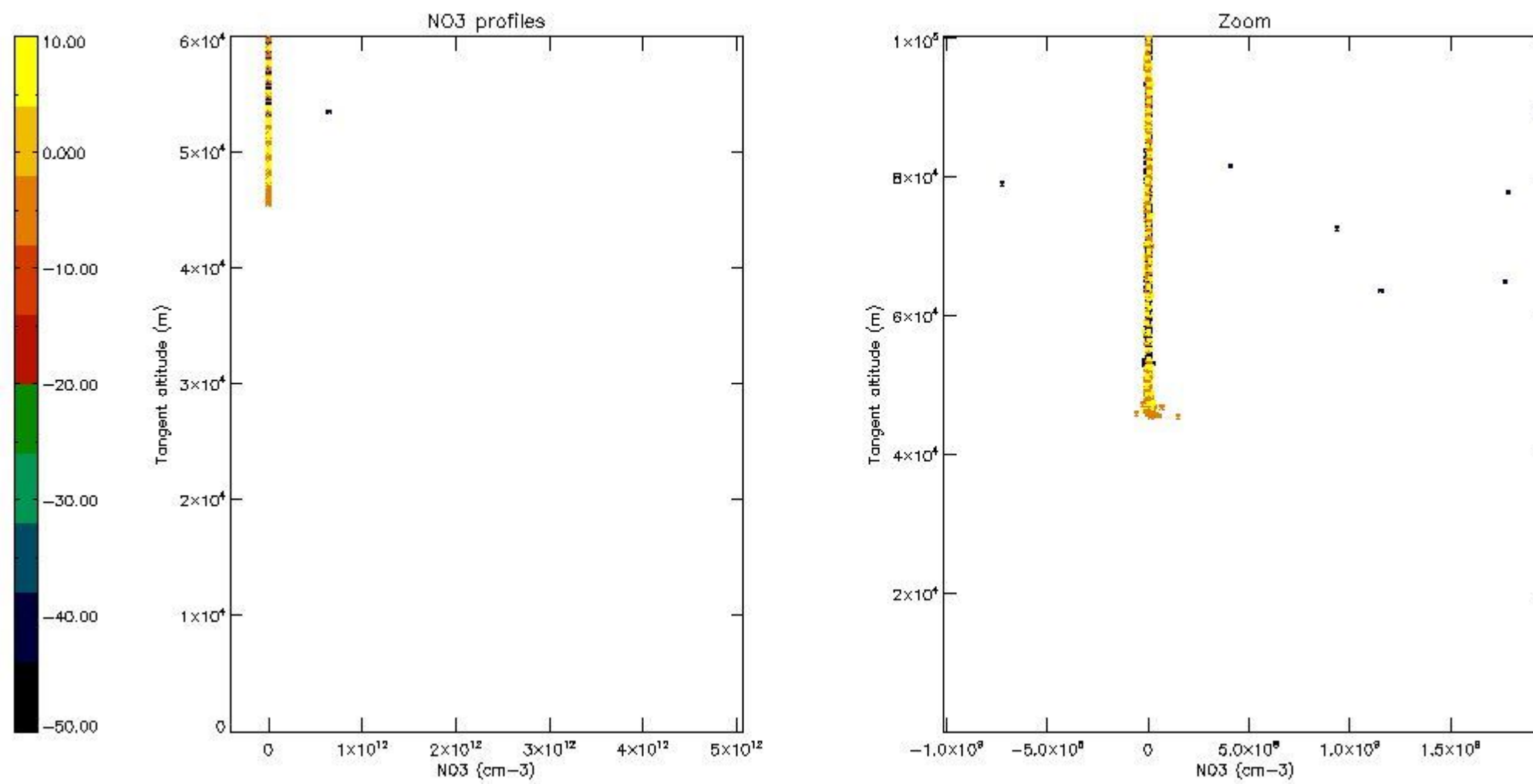
5.6 Plot NO₂ profiles for all STD (dark without errors)

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 | 13-JUN-2009 00:07:59 |
| LEVEL-2_PROC_CONFIG | GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000 | 1 | 13-JUN-2009 00:07:59 |
| CROSS_SECTIONS_FILE | GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000 | 1 | 13-JUN-2009 00:07:59 |

GOMOS Level 2 Daily Report

SUMMARY

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

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[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](#)

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

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

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

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

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

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

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[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 10:08:21 |
| Data source version | GOMOS/6.01 |
| Start time of products | 13-06-2009 (13JUN2009 00:00:00) |
| Stop time of products | 14-06-2009 (14JUN2009 00:00:00) |
| Store outputs in DB | Yes |
| Nb of level 2 prods | 189 |
| 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__2PRFIN20090613_000759_000000332079_00460_38089_2731.N1 | 13-JUN-2009 00:07:59 | Bright | 33.000 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 66 | 38089 | No |
| 2 | GOM_NL__2PRFIN20090613_001033_000000332079_00460_38089_2732.N1 | 13-JUN-2009 00:10:33 | Bright | 32.500 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 65 | 38089 | No |
| 3 | GOM_NL__2PRFIN20090613_002225_000000302079_00460_38089_2733.N1 | 13-JUN-2009 00:22:25 | Bright | 30.000 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 60 | 38089 | No |
| 4 | GOM_NL__2PRFIN20090613_003301_000000312079_00460_38089_2734.N1 | 13-JUN-2009 00:33:01 | Twilight | 31.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 62 | 38089 | No |
| 5 | GOM_NL__2PRFIN20090613_003912_000000262079_00460_38089_2735.N1 | 13-JUN-2009 00:39:12 | Twilight | 26.000 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 52 | 38089 | No |
| 6 | GOM_NL__2PRFIN20090613_004749_000000252079_00460_38089_2736.N1 | 13-JUN-2009 00:47:49 | Twilight | 24.500 | 53 | 43Bet And | 2.0480 | 3300.0 | 49 | 38089 | No |
| 7 | GOM_NL__2PRFIN20090613_010625_000000322079_00460_38089_2737.N1 | 13-JUN-2009 01:06:25 | Dark | 32.000 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 64 | 38089 | No |
| 8 | GOM_NL__2PRFIN20090613_011703_000000462079_00461_38090_2753.N1 | 13-JUN-2009 01:17:03 | Dark | 45.500 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 91 | 38090 | No |
| 9 | GOM_NL__2PRFIN20090613_011851_000000342079_00461_38090_2754.N1 | 13-JUN-2009 01:18:51 | Dark | 34.000 | 63 | Bet Gru | 2.1500 | 2800.0 | 68 | 38090 | No |
| 10 | GOM_NL__2PRFIN20090613_012054_000000352079_00461_38090_2755.N1 | 13-JUN-2009 01:20:54 | Dark | 34.500 | 31 | Alp Gru | 1.7340 | 15200. | 69 | 38090 | No |
| 11 | GOM_NL__2PRFIN20090613_012235_000000432079_00461_38090_2756.N1 | 13-JUN-2009 01:22:35 | Straylight | 42.500 | 172 | Gam Gru | 3.0030 | 13100. | 85 | 38090 | No |
| 12 | GOM_NL__2PRFIN20090613_013447_000000302079_00461_38090_2757.N1 | 13-JUN-2009 01:34:47 | Twilight | 30.000 | 38 | 20Eps Sgr | 1.8360 | 11000. | 60 | 38090 | No |
| 13 | GOM_NL__2PRFIN20090613_013645_000000362079_00461_38090_2758.N1 | 13-JUN-2009 01:36:45 | Twilight | 35.500 | 57 | 34Sig Sgr | 2.0660 | 26000. | 71 | 38090 | No |
| 14 | GOM_NL__2PRFIN20090613_014834_000000332079_00461_38090_2759.N1 | 13-JUN-2009 01:48:34 | Bright | 33.000 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 66 | 38090 | No |
| 15 | GOM_NL__2PRFIN20090613_015109_000000332079_00461_38090_2760.N1 | 13-JUN-2009 01:51:09 | Bright | 32.500 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 65 | 38090 | No |
| 16 | GOM_NL__2PRFIN20090613_020301_000000302079_00461_38090_2761.N1 | 13-JUN-2009 02:03:01 | Bright | 30.000 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 60 | 38090 | No |
| 17 | GOM_NL__2PRFIN20090613_021336_000000322079_00461_38090_2762.N1 | 13-JUN-2009 02:13:36 | Twilight | 31.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 63 | 38090 | No |
| 18 | GOM_NL__2PRFIN20090613_021948_000000262079_00461_38090_2763.N1 | 13-JUN-2009 02:19:48 | Twilight | 25.500 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 51 | 38090 | No |
| 19 | GOM_NL__2PRFIN20090613_022825_000000252079_00461_38090_2764.N1 | 13-JUN-2009 02:28:25 | Twilight | 24.500 | 53 | 43Bet And | 2.0480 | 3300.0 | 49 | 38090 | No |
| 20 | GOM_NL__2PRFIN20090613_024701_000000322079_00461_38090_2765.N1 | 13-JUN-2009 02:47:01 | Dark | 32.000 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 64 | 38090 | No |
| 21 | GOM_NL__2PRFIN20090613_025741_000000462079_00462_38091_2768.N1 | 13-JUN-2009 02:57:41 | Dark | 45.500 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 91 | 38091 | No |
| 22 | GOM_NL__2PRFIN20090613_025928_000000342079_00462_38091_2769.N1 | 13-JUN-2009 02:59:28 | Dark | 34.000 | 63 | Bet Gru | 2.1500 | 2800.0 | 68 | 38091 | No |
| 23 | GOM_NL__2PRFIN20090613_030130_000000352079_00462_38091_2770.N1 | 13-JUN-2009 03:01:30 | Dark | 35.000 | 31 | Alp Gru | 1.7340 | 15200. | 70 | 38091 | No |
| 24 | GOM_NL__2PRFIN20090613_030312_000000432079_00462_38091_2771.N1 | 13-JUN-2009 03:03:12 | Straylight | 42.500 | 172 | Gam Gru | 3.0030 | 13100. | 85 | 38091 | No |
| 25 | GOM_NL__2PRFIN20090613_031523_000000302079_00462_38091_2772.N1 | 13-JUN-2009 03:15:23 | Twilight | 30.000 | 38 | 20Eps Sgr | 1.8360 | 11000. | 60 | 38091 | No |
| 26 | GOM_NL__2PRFIN20090613_031722_000000352079_00462_38091_2773.N1 | 13-JUN-2009 03:17:22 | Twilight | 35.000 | 57 | 34Sig Sgr | 2.0660 | 26000. | 70 | 38091 | No |
| 27 | GOM_NL__2PRFIN20090613_032910_000000332079_00462_38091_2774.N1 | 13-JUN-2009 03:29:10 | Bright | 33.000 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 66 | 38091 | No |
| 28 | GOM_NL__2PRFIN20090613_033144_000000332079_00462_38091_2775.N1 | 13-JUN-2009 03:31:44 | Bright | 32.500 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 65 | 38091 | No |
| 29 | GOM_NL__2PRFIN20090613_034336_000000302079_00462_38091_2776.N1 | 13-JUN-2009 03:43:36 | Bright | 29.500 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 59 | 38091 | No |
| 30 | GOM_NL__2PRFIN20090613_035411_000000312079_00462_38091_2777.N1 | 13-JUN-2009 03:54:11 | Twilight | 31.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 62 | 38091 | No |
| 31 | GOM_NL__2PRFIN20090613_040023_000000262079_00462_38091_2778.N1 | 13-JUN-2009 04:00:23 | Twilight | 26.000 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 52 | 38091 | No |
| 32 | GOM_NL__2PRFIN20090613_040901_000000252079_00462_38091_2779.N1 | 13-JUN-2009 04:09:01 | Twilight | 24.500 | 53 | 43Bet And | 2.0480 | 3300.0 | 49 | 38091 | No |
| 33 | GOM_NL__2PRFIN20090613_042739_000000322079_00462_38091_2780.N1 | 13-JUN-2009 04:27:39 | Dark | 32.000 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 64 | 38091 | No |
| 34 | GOM_NL__2PRFIN20090613_043818_000000462079_00463_38092_2782.N1 | 13-JUN-2009 04:38:18 | Dark | 45.500 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 91 | 38092 | No |
| 35 | GOM_NL__2PRFIN20090613_044005_000000342079_00463_38092_2783.N1 | 13-JUN-2009 04:40:05 | Dark | 34.000 | 63 | Bet Gru | 2.1500 | 2800.0 | 68 | 38092 | No |
| 36 | GOM_NL__2PRFIN20090613_044208_000000352079_00463_38092_2784.N1 | 13-JUN-2009 04:42:08 | Dark | 34.500 | 31 | Alp Gru | 1.7340 | 15200. | 69 | 38092 | No |
| 37 | GOM_NL__2PRFIN20090613_044349_000000432079_00463_38092_2785.N1 | 13-JUN-2009 04:43:49 | Straylight | 42.500 | 172 | Gam Gru | 3.0030 | 13100. | 85 | 38092 | No |
| 38 | GOM_NL__2PRFIN20090613_045559_000000302079_00463_38092_2786.N1 | 13-JUN-2009 04:55:59 | Twilight | 30.000 | 38 | 20Eps Sgr | 1.8360 | 11000. | 60 | 38092 | No |
| 39 | GOM_NL__2PRFIN20090613_045759_000000362079_00463_38092_2787.N1 | 13-JUN-2009 04:57:59 | Twilight | 35.500 | 57 | 34Sig Sgr | 2.0660 | 26000. | 71 | 38092 | No |
| 40 | GOM_NL__2PRFIN20090613_050946_000000332079_00463_38092_2788.N1 | 13-JUN-2009 05:09:46 | Bright | 33.000 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 66 | 38092 | No |
| 41 | GOM_NL__2PRFIN20090613_051220_000000332079_00463_38092_2789.N1 | 13-JUN-2009 05:12:20 | Bright | 32.500 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 65 | 38092 | No |
| 42 | GOM_NL__2PRFIN20090613_052412_000000302079_00463_38092_2790.N1 | 13-JUN-2009 05:24:12 | Bright | 29.500 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 59 | 38092 | No |

| | | | | | | | | | | | |
|-----|--|----------------------|------------|--------|-----|-----------|--------|--------|----|-------|----|
| 43 | GOM_NL__2PRFIN20090613_053446_000000312079_00463_38092_2791.N1 | 13-JUN-2009 05:34:46 | Twilight | 31.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 62 | 38092 | No |
| 44 | GOM_NL__2PRFIN20090613_054059_000000262079_00463_38092_2792.N1 | 13-JUN-2009 05:40:59 | Twilight | 26.000 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 52 | 38092 | No |
| 45 | GOM_NL__2PRFIN20090613_054937_000000252079_00463_38092_2793.N1 | 13-JUN-2009 05:49:37 | Twilight | 25.000 | 53 | 43Bet And | 2.0480 | 3300.0 | 50 | 38092 | No |
| 46 | GOM_NL__2PRFIN20090613_060816_000000322079_00463_38092_2794.N1 | 13-JUN-2009 06:08:16 | Dark | 32.000 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 64 | 38092 | No |
| 47 | GOM_NL__2PRFIN20090613_061856_000000462079_00464_38093_2796.N1 | 13-JUN-2009 06:18:56 | Dark | 46.000 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 92 | 38093 | No |
| 48 | GOM_NL__2PRFIN20090613_062042_000000342079_00464_38093_2797.N1 | 13-JUN-2009 06:20:42 | Dark | 34.000 | 63 | Bet Gru | 2.1500 | 2800.0 | 68 | 38093 | No |
| 49 | GOM_NL__2PRFIN20090613_062245_000000352079_00464_38093_2798.N1 | 13-JUN-2009 06:22:45 | Dark | 34.500 | 31 | Alp Gru | 1.7340 | 15200. | 69 | 38093 | No |
| 50 | GOM_NL__2PRFIN20090613_062427_000000432079_00464_38093_2799.N1 | 13-JUN-2009 06:24:27 | Straylight | 42.500 | 172 | Gam Gru | 3.0030 | 13100. | 85 | 38093 | No |
| 51 | GOM_NL__2PRFIN20090613_063636_000000302079_00464_38093_2800.N1 | 13-JUN-2009 06:36:36 | Twilight | 30.000 | 38 | 20Eps Sgr | 1.8360 | 11000. | 60 | 38093 | No |
| 52 | GOM_NL__2PRFIN20090613_063835_000000362079_00464_38093_2801.N1 | 13-JUN-2009 06:38:35 | Twilight | 35.500 | 57 | 34Sig Sgr | 2.0660 | 26000. | 71 | 38093 | No |
| 53 | GOM_NL__2PRFIN20090613_065022_000000332079_00464_38093_2802.N1 | 13-JUN-2009 06:50:22 | Bright | 32.500 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 65 | 38093 | No |
| 54 | GOM_NL__2PRFIN20090613_065255_000000332079_00464_38093_2803.N1 | 13-JUN-2009 06:52:55 | Bright | 32.500 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 65 | 38093 | No |
| 55 | GOM_NL__2PRFIN20090613_070448_000000302079_00464_38093_2804.N1 | 13-JUN-2009 07:04:48 | Bright | 29.500 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 59 | 38093 | No |
| 56 | GOM_NL__2PRFIN20090613_071522_000000312079_00464_38093_2805.N1 | 13-JUN-2009 07:15:22 | Twilight | 31.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 62 | 38093 | No |
| 57 | GOM_NL__2PRFIN20090613_072135_000000262079_00464_38093_2806.N1 | 13-JUN-2009 07:21:35 | Twilight | 26.000 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 52 | 38093 | No |
| 58 | GOM_NL__2PRFIN20090613_073014_000000252079_00464_38093_2807.N1 | 13-JUN-2009 07:30:14 | Twilight | 25.000 | 53 | 43Bet And | 2.0480 | 3300.0 | 50 | 38093 | No |
| 59 | GOM_NL__2PRFIN20090613_074852_000000322079_00464_38093_2808.N1 | 13-JUN-2009 07:48:52 | Dark | 32.000 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 64 | 38093 | No |
| 60 | GOM_NL__2PRFIN20090613_075933_000000452079_00465_38094_2810.N1 | 13-JUN-2009 07:59:33 | Dark | 45.000 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 90 | 38094 | No |
| 61 | GOM_NL__2PRFIN20090613_080120_000000342079_00465_38094_2811.N1 | 13-JUN-2009 08:01:20 | Dark | 33.500 | 63 | Bet Gru | 2.1500 | 2800.0 | 67 | 38094 | No |
| 62 | GOM_NL__2PRFIN20090613_080321_000000352079_00465_38094_2812.N1 | 13-JUN-2009 08:03:21 | Dark | 35.000 | 31 | Alp Gru | 1.7340 | 15200. | 70 | 38094 | No |
| 63 | GOM_NL__2PRFIN20090613_080504_000000432079_00465_38094_2813.N1 | 13-JUN-2009 08:05:04 | Straylight | 42.500 | 172 | Gam Gru | 3.0030 | 13100. | 85 | 38094 | No |
| 64 | GOM_NL__2PRFIN20090613_081712_000000302079_00465_38094_2814.N1 | 13-JUN-2009 08:17:12 | Twilight | 30.000 | 38 | 20Eps Sgr | 1.8360 | 11000. | 60 | 38094 | No |
| 65 | GOM_NL__2PRFIN20090613_081911_000000352079_00465_38094_2815.N1 | 13-JUN-2009 08:19:11 | Twilight | 35.000 | 57 | 34Sig Sgr | 2.0660 | 26000. | 70 | 38094 | No |
| 66 | GOM_NL__2PRFIN20090613_083057_000000332079_00465_38094_2816.N1 | 13-JUN-2009 08:30:57 | Bright | 33.000 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 66 | 38094 | No |
| 67 | GOM_NL__2PRFIN20090613_083331_000000332079_00465_38094_2817.N1 | 13-JUN-2009 08:33:31 | Bright | 32.500 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 65 | 38094 | No |
| 68 | GOM_NL__2PRFIN20090613_084523_000000302079_00465_38094_2818.N1 | 13-JUN-2009 08:45:23 | Bright | 29.500 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 59 | 38094 | No |
| 69 | GOM_NL__2PRFIN20090613_085557_000000312079_00465_38094_2819.N1 | 13-JUN-2009 08:55:57 | Twilight | 31.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 62 | 38094 | No |
| 70 | GOM_NL__2PRFIN20090613_090210_000000262079_00465_38094_2820.N1 | 13-JUN-2009 09:02:10 | Twilight | 26.000 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 52 | 38094 | No |
| 71 | GOM_NL__2PRFIN20090613_091050_000000252079_00465_38094_2821.N1 | 13-JUN-2009 09:10:50 | Twilight | 25.000 | 53 | 43Bet And | 2.0480 | 3300.0 | 50 | 38094 | No |
| 72 | GOM_NL__2PRFIN20090613_092929_000000322079_00465_38094_2822.N1 | 13-JUN-2009 09:29:29 | Dark | 32.000 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 64 | 38094 | No |
| 73 | GOM_NL__2PRFIN20090613_094011_000000452079_00466_38095_2824.N1 | 13-JUN-2009 09:40:11 | Dark | 45.000 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 90 | 38095 | No |
| 74 | GOM_NL__2PRFIN20090613_094156_000000352079_00466_38095_2825.N1 | 13-JUN-2009 09:41:56 | Dark | 34.500 | 63 | Bet Gru | 2.1500 | 2800.0 | 69 | 38095 | No |
| 75 | GOM_NL__2PRFIN20090613_094358_000000352079_00466_38095_2826.N1 | 13-JUN-2009 09:43:58 | Dark | 35.000 | 31 | Alp Gru | 1.7340 | 15200. | 70 | 38095 | No |
| 76 | GOM_NL__2PRFIN20090613_094541_000000432079_00466_38095_2827.N1 | 13-JUN-2009 09:45:41 | Straylight | 42.500 | 172 | Gam Gru | 3.0030 | 13100. | 85 | 38095 | No |
| 77 | GOM_NL__2PRFIN20090613_095748_000000302079_00466_38095_2828.N1 | 13-JUN-2009 09:57:48 | Twilight | 30.000 | 38 | 20Eps Sgr | 1.8360 | 11000. | 60 | 38095 | No |
| 78 | GOM_NL__2PRFIN20090613_095947_000000352079_00466_38095_2829.N1 | 13-JUN-2009 09:59:47 | Twilight | 34.500 | 57 | 34Sig Sgr | 2.0660 | 26000. | 69 | 38095 | No |
| 79 | GOM_NL__2PRFIN20090613_101133_000000332079_00466_38095_2830.N1 | 13-JUN-2009 10:11:33 | Bright | 32.500 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 65 | 38095 | No |
| 80 | GOM_NL__2PRFIN20090613_101407_000000332079_00466_38095_2831.N1 | 13-JUN-2009 10:14:07 | Bright | 32.500 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 65 | 38095 | No |
| 81 | GOM_NL__2PRFIN20090613_102558_000000302079_00466_38095_2832.N1 | 13-JUN-2009 10:25:58 | Bright | 29.500 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 59 | 38095 | No |
| 82 | GOM_NL__2PRFIN20090613_103632_000000322079_00466_38095_2833.N1 | 13-JUN-2009 10:36:32 | Twilight | 31.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 63 | 38095 | No |
| 83 | GOM_NL__2PRFIN20090613_104246_000000262079_00466_38095_2834.N1 | 13-JUN-2009 10:42:46 | Twilight | 26.000 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 52 | 38095 | No |
| 84 | GOM_NL__2PRFIN20090613_105125_000000252079_00466_38095_2835.N1 | 13-JUN-2009 10:51:25 | Twilight | 25.000 | 53 | 43Bet And | 2.0480 | 3300.0 | 50 | 38095 | No |
| 85 | GOM_NL__2PRFIN20090613_111006_000000322079_00466_38095_2836.N1 | 13-JUN-2009 11:10:06 | Dark | 32.000 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 64 | 38095 | No |
| 86 | GOM_NL__2PRFIN20090613_112048_000000412079_00467_38096_2839.N1 | 13-JUN-2009 11:20:48 | Dark | 41.000 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 82 | 38096 | No |
| 87 | GOM_NL__2PRFIN20090613_112233_000000342079_00467_38096_2840.N1 | 13-JUN-2009 11:22:33 | Dark | 34.000 | 63 | Bet Gru | 2.1500 | 2800.0 | 68 | 38096 | No |
| 88 | GOM_NL__2PRFIN20090613_112435_000000352079_00467_38096_2841.N1 | 13-JUN-2009 11:24:35 | Dark | 34.500 | 31 | Alp Gru | 1.7340 | 15200. | 69 | 38096 | No |
| 89 | GOM_NL__2PRFIN20090613_112618_000000432079_00467_38096_2842.N1 | 13-JUN-2009 11:26:18 | Straylight | 42.500 | 172 | Gam Gru | 3.0030 | 13100. | 85 | 38096 | No |
| 90 | GOM_NL__2PRFIN20090613_113825_000000302079_00467_38096_2843.N1 | 13-JUN-2009 11:38:25 | Twilight | 29.500 | 38 | 20Eps Sgr | 1.8360 | 11000. | 59 | 38096 | No |
| 91 | GOM_NL__2PRFIN20090613_114024_000000352079_00467_38096_2844.N1 | 13-JUN-2009 11:40:24 | Twilight | 34.500 | 57 | 34Sig Sgr | 2.0660 | 26000. | 69 | 38096 | No |
| 92 | GOM_NL__2PRFIN20090613_115208_000000332079_00467_38096_2845.N1 | 13-JUN-2009 11:52:08 | Bright | 33.000 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 66 | 38096 | No |
| 93 | GOM_NL__2PRFIN20090613_115442_000000332079_00467_38096_2846.N1 | 13-JUN-2009 11:54:42 | Bright | 32.500 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 65 | 38096 | No |
| 94 | GOM_NL__2PRFIN20090613_120634_000000302079_00467_38096_2847.N1 | 13-JUN-2009 12:06:34 | Bright | 29.500 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 59 | 38096 | No |
| 95 | GOM_NL__2PRFIN20090613_121707_000000322079_00467_38096_2848.N1 | 13-JUN-2009 12:17:07 | Twilight | 31.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 63 | 38096 | No |
| 96 | GOM_NL__2PRFIN20090613_122321_000000272079_00467_38096_2849.N1 | 13-JUN-2009 12:23:21 | Twilight | 26.500 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 53 | 38096 | No |
| 97 | GOM_NL__2PRFIN20090613_123201_000000252079_00467_38096_2850.N1 | 13-JUN-2009 12:32:01 | Twilight | 25.000 | 53 | 43Bet And | 2.0480 | 3300.0 | 50 | 38096 | No |
| 98 | GOM_NL__2PRFIN20090613_125043_000000322079_00467_38096_2851.N1 | 13-JUN-2009 12:50:43 | Dark | 32.000 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 64 | 38096 | No |
| 99 | GOM_NL__2PRFIN20090613_130126_000000412079_00468_38097_2853.N1 | 13-JUN-2009 13:01:26 | Dark | 41.000 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 82 | 38097 | No |
| 100 | GOM_NL__2PRFIN20090613_130310_000000352079_00468_38097_2854.N1 | 13-JUN-2009 13:03:10 | Dark | 34.500 | 63 | Bet Gru | 2.1500 | 2800.0 | 69 | 38097 | No |
| 101 | GOM_NL__2PRFIN20090613_130512_000000352079_00468_38097_2855.N1 | 13-JUN-2009 13:05:12 | Dark | 34.500 | 31 | Alp Gru | 1.7340 | 15200. | 69 | 38097 | No |

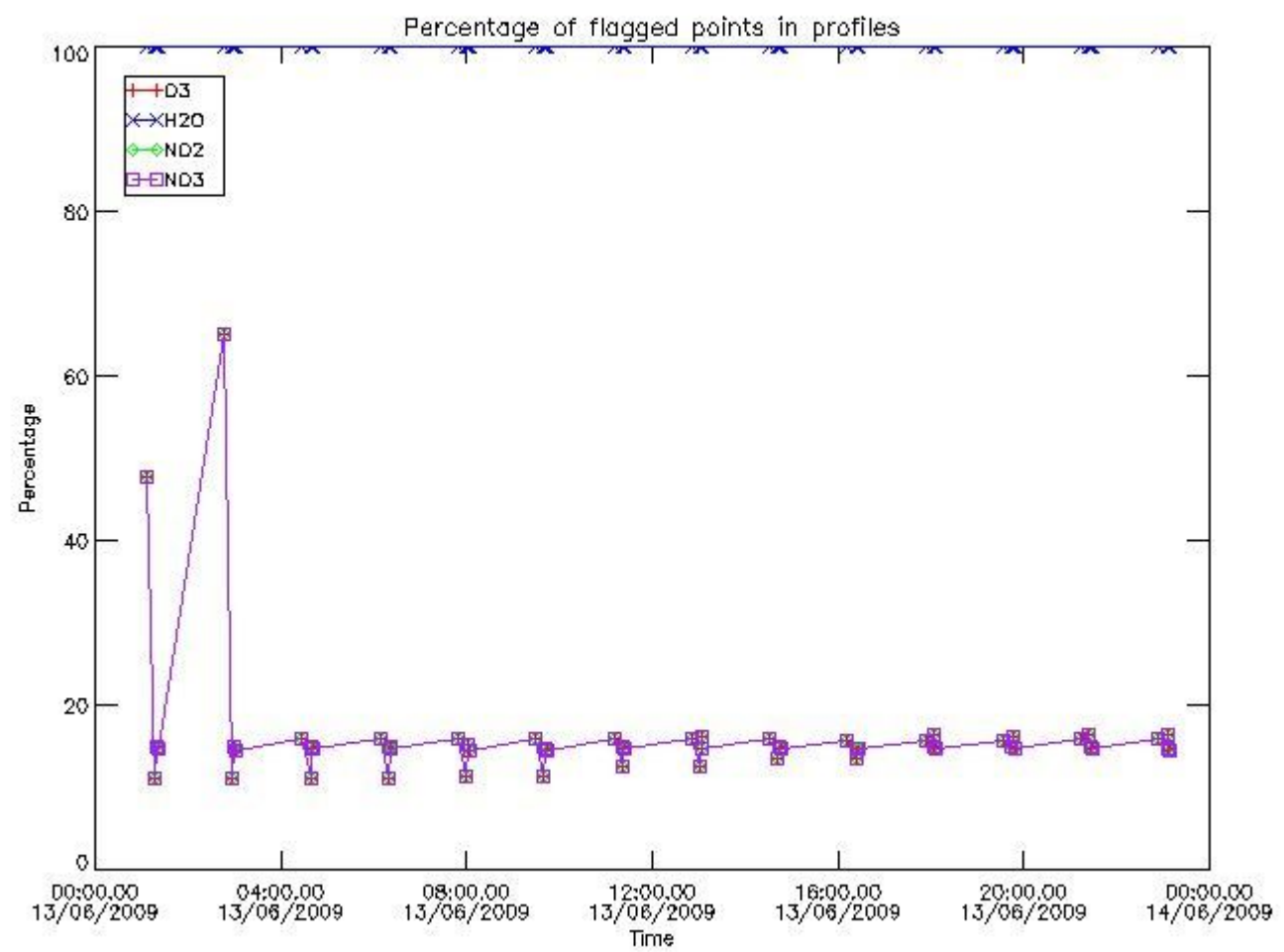
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|-----|--|----------------------|---------------|--------|-----|-----------|--------|--------|----|-------|----|
| 102 | GOM_NL__2PRFIN20090613_130656_000000432079_00468_38097_2856.N1 | 13-JUN-2009 13:06:56 | Straylight | 42.500 | 172 | Gam Gru | 3.0030 | 13100. | 85 | 38097 | No |
| 103 | GOM_NL__2PRFIN20090613_131901_000000302079_00468_38097_2857.N1 | 13-JUN-2009 13:19:01 | Twi_and_stray | 30.000 | 38 | 20Eps Sgr | 1.8360 | 11000. | 60 | 38097 | No |
| 104 | GOM_NL__2PRFIN20090613_132100_000000352079_00468_38097_2858.N1 | 13-JUN-2009 13:21:00 | Twi_and_stray | 34.500 | 57 | 34Sig Sgr | 2.0660 | 26000. | 69 | 38097 | No |
| 105 | GOM_NL__2PRFIN20090613_133244_000000332079_00468_38097_2859.N1 | 13-JUN-2009 13:32:44 | Bright | 32.500 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 65 | 38097 | No |
| 106 | GOM_NL__2PRFIN20090613_133518_000000322079_00468_38097_2860.N1 | 13-JUN-2009 13:35:18 | Bright | 32.000 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 64 | 38097 | No |
| 107 | GOM_NL__2PRFIN20090613_134709_000000302079_00468_38097_2861.N1 | 13-JUN-2009 13:47:09 | Bright | 30.000 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 60 | 38097 | No |
| 108 | GOM_NL__2PRFIN20090613_135743_000000322079_00468_38097_2862.N1 | 13-JUN-2009 13:57:43 | Twi_and_stray | 31.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 63 | 38097 | No |
| 109 | GOM_NL__2PRFIN20090613_140357_000000262079_00468_38097_2863.N1 | 13-JUN-2009 14:03:57 | Twi_and_stray | 26.000 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 52 | 38097 | No |
| 110 | GOM_NL__2PRFIN20090613_141237_000000252079_00468_38097_2864.N1 | 13-JUN-2009 14:12:37 | Twi_and_stray | 25.000 | 53 | 43Bet And | 2.0480 | 3300.0 | 50 | 38097 | No |
| 111 | GOM_NL__2PRFIN20090613_143120_000000322079_00468_38097_2865.N1 | 13-JUN-2009 14:31:20 | Dark | 32.000 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 64 | 38097 | No |
| 112 | GOM_NL__2PRFIN20090613_144204_000000382079_00469_38098_2867.N1 | 13-JUN-2009 14:42:04 | Dark | 38.000 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 76 | 38098 | No |
| 113 | GOM_NL__2PRFIN20090613_144347_000000342079_00469_38098_2868.N1 | 13-JUN-2009 14:43:47 | Dark | 34.000 | 63 | Bet Gru | 2.1500 | 2800.0 | 68 | 38098 | No |
| 114 | GOM_NL__2PRFIN20090613_144549_000000352079_00469_38098_2869.N1 | 13-JUN-2009 14:45:49 | Dark | 34.500 | 31 | Alp Gru | 1.7340 | 15200. | 69 | 38098 | No |
| 115 | GOM_NL__2PRFIN20090613_144733_000000422079_00469_38098_2870.N1 | 13-JUN-2009 14:47:33 | Straylight | 42.000 | 172 | Gam Gru | 3.0030 | 13100. | 84 | 38098 | No |
| 116 | GOM_NL__2PRFIN20090613_145937_000000302079_00469_38098_2871.N1 | 13-JUN-2009 14:59:37 | Twi_and_stray | 30.000 | 38 | 20Eps Sgr | 1.8360 | 11000. | 60 | 38098 | No |
| 117 | GOM_NL__2PRFIN20090613_150136_000000352079_00469_38098_2872.N1 | 13-JUN-2009 15:01:36 | Twi_and_stray | 35.000 | 57 | 34Sig Sgr | 2.0660 | 26000. | 70 | 38098 | No |
| 118 | GOM_NL__2PRFIN20090613_151319_000000332079_00469_38098_2873.N1 | 13-JUN-2009 15:13:19 | Bright | 33.000 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 66 | 38098 | No |
| 119 | GOM_NL__2PRFIN20090613_151553_000000332079_00469_38098_2874.N1 | 13-JUN-2009 15:15:53 | Bright | 32.500 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 65 | 38098 | No |
| 120 | GOM_NL__2PRFIN20090613_152745_000000302079_00469_38098_2875.N1 | 13-JUN-2009 15:27:45 | Bright | 29.500 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 59 | 38098 | No |
| 121 | GOM_NL__2PRFIN20090613_153818_000000322079_00469_38098_2876.N1 | 13-JUN-2009 15:38:18 | Twi_and_stray | 31.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 63 | 38098 | No |
| 122 | GOM_NL__2PRFIN20090613_154433_000000262079_00469_38098_2877.N1 | 13-JUN-2009 15:44:33 | Twi_and_stray | 26.000 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 52 | 38098 | No |
| 123 | GOM_NL__2PRFIN20090613_155313_000000252079_00469_38098_2878.N1 | 13-JUN-2009 15:53:13 | Twi_and_stray | 25.000 | 53 | 43Bet And | 2.0480 | 3300.0 | 50 | 38098 | No |
| 124 | GOM_NL__2PRFIN20090613_161156_000000332079_00469_38098_2879.N1 | 13-JUN-2009 16:11:56 | Dark | 32.500 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 65 | 38098 | No |
| 125 | GOM_NL__2PRFIN20090613_162241_000000382079_00470_38099_2882.N1 | 13-JUN-2009 16:22:41 | Dark | 38.000 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 76 | 38099 | No |
| 126 | GOM_NL__2PRFIN20090613_162423_000000352079_00470_38099_2883.N1 | 13-JUN-2009 16:24:23 | Dark | 34.500 | 63 | Bet Gru | 2.1500 | 2800.0 | 69 | 38099 | No |
| 127 | GOM_NL__2PRFIN20090613_162626_000000352079_00470_38099_2884.N1 | 13-JUN-2009 16:26:26 | Dark | 34.500 | 31 | Alp Gru | 1.7340 | 15200. | 69 | 38099 | No |
| 128 | GOM_NL__2PRFIN20090613_162810_000000432079_00470_38099_2885.N1 | 13-JUN-2009 16:28:10 | Straylight | 42.500 | 172 | Gam Gru | 3.0030 | 13100. | 85 | 38099 | No |
| 129 | GOM_NL__2PRFIN20090613_164014_000000302079_00470_38099_2886.N1 | 13-JUN-2009 16:40:14 | Twi_and_stray | 29.500 | 38 | 20Eps Sgr | 1.8360 | 11000. | 59 | 38099 | No |
| 130 | GOM_NL__2PRFIN20090613_164213_000000352079_00470_38099_2887.N1 | 13-JUN-2009 16:42:13 | Twi_and_stray | 35.000 | 57 | 34Sig Sgr | 2.0660 | 26000. | 70 | 38099 | No |
| 131 | GOM_NL__2PRFIN20090613_165355_000000332079_00470_38099_2888.N1 | 13-JUN-2009 16:53:55 | Bright | 33.000 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 66 | 38099 | No |
| 132 | GOM_NL__2PRFIN20090613_165629_000000332079_00470_38099_2889.N1 | 13-JUN-2009 16:56:29 | Bright | 32.500 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 65 | 38099 | No |
| 133 | GOM_NL__2PRFIN20090613_170820_000000302079_00470_38099_2890.N1 | 13-JUN-2009 17:08:20 | Bright | 29.500 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 59 | 38099 | No |
| 134 | GOM_NL__2PRFIN20090613_171853_000000322079_00470_38099_2891.N1 | 13-JUN-2009 17:18:53 | Twi_and_stray | 31.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 63 | 38099 | No |
| 135 | GOM_NL__2PRFIN20090613_172508_000000262079_00470_38099_2892.N1 | 13-JUN-2009 17:25:08 | Twi_and_stray | 26.000 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 52 | 38099 | No |
| 136 | GOM_NL__2PRFIN20090613_173350_000000252079_00470_38099_2893.N1 | 13-JUN-2009 17:33:50 | Twi_and_stray | 25.000 | 53 | 43Bet And | 2.0480 | 3300.0 | 50 | 38099 | No |
| 137 | GOM_NL__2PRFIN20090613_175234_000000332079_00470_38099_2894.N1 | 13-JUN-2009 17:52:34 | Dark | 32.500 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 65 | 38099 | No |
| 138 | GOM_NL__2PRFIN20090613_180319_000000342079_00471_38100_2916.N1 | 13-JUN-2009 18:03:19 | Dark | 34.000 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 68 | 38100 | No |
| 139 | GOM_NL__2PRFIN20090613_180501_000000342079_00471_38100_2917.N1 | 13-JUN-2009 18:05:01 | Dark | 34.000 | 63 | Bet Gru | 2.1500 | 2800.0 | 68 | 38100 | No |
| 140 | GOM_NL__2PRFIN20090613_180703_000000352079_00471_38100_2918.N1 | 13-JUN-2009 18:07:03 | Dark | 34.500 | 31 | Alp Gru | 1.7340 | 15200. | 69 | 38100 | No |
| 141 | GOM_NL__2PRFIN20090613_180848_000000422079_00471_38100_2919.N1 | 13-JUN-2009 18:08:48 | Straylight | 42.000 | 172 | Gam Gru | 3.0030 | 13100. | 84 | 38100 | No |
| 142 | GOM_NL__2PRFIN20090613_182050_000000302079_00471_38100_2920.N1 | 13-JUN-2009 18:20:50 | Twi_and_stray | 30.000 | 38 | 20Eps Sgr | 1.8360 | 11000. | 60 | 38100 | No |
| 143 | GOM_NL__2PRFIN20090613_182221_000000312079_00471_38100_2921.N1 | 13-JUN-2009 18:22:21 | Twi_and_stray | 30.500 | 116 | 19Del Sgr | 2.7000 | 4100.0 | 61 | 38100 | No |
| 144 | GOM_NL__2PRFIN20090613_182342_000000322079_00471_38100_2922.N1 | 13-JUN-2009 18:23:42 | Twi_and_stray | 32.000 | 137 | 22Lam Sgr | 2.8240 | 4400.0 | 64 | 38100 | No |
| 145 | GOM_NL__2PRFIN20090613_183431_000000332079_00471_38100_2923.N1 | 13-JUN-2009 18:34:31 | Bright | 32.500 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 65 | 38100 | No |
| 146 | GOM_NL__2PRFIN20090613_183704_000000322079_00471_38100_2924.N1 | 13-JUN-2009 18:37:04 | Bright | 32.000 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 64 | 38100 | No |
| 147 | GOM_NL__2PRFIN20090613_184856_000000302079_00471_38100_2925.N1 | 13-JUN-2009 18:48:56 | Bright | 29.500 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 59 | 38100 | No |
| 148 | GOM_NL__2PRFIN20090613_185928_000000322079_00471_38100_2926.N1 | 13-JUN-2009 18:59:28 | Twi_and_stray | 31.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 63 | 38100 | No |
| 149 | GOM_NL__2PRFIN20090613_190544_000000262079_00471_38100_2927.N1 | 13-JUN-2009 19:05:44 | Twi_and_stray | 26.000 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 52 | 38100 | No |
| 150 | GOM_NL__2PRFIN20090613_191425_000000262079_00471_38100_2928.N1 | 13-JUN-2009 19:14:25 | Twi_and_stray | 25.500 | 53 | 43Bet And | 2.0480 | 3300.0 | 51 | 38100 | No |
| 151 | GOM_NL__2PRFIN20090613_193310_000000332079_00471_38100_2929.N1 | 13-JUN-2009 19:33:10 | Dark | 32.500 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 65 | 38100 | No |
| 152 | GOM_NL__2PRFIN20090613_194356_000000342079_00472_38101_2933.N1 | 13-JUN-2009 19:43:56 | Dark | 34.000 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 68 | 38101 | No |
| 153 | GOM_NL__2PRFIN20090613_194537_000000352079_00472_38101_2934.N1 | 13-JUN-2009 19:45:37 | Dark | 34.500 | 63 | Bet Gru | 2.1500 | 2800.0 | 69 | 38101 | No |
| 154 | GOM_NL__2PRFIN20090613_194740_000000352079_00472_38101_2935.N1 | 13-JUN-2009 19:47:40 | Dark | 34.500 | 31 | Alp Gru | 1.7340 | 15200. | 69 | 38101 | No |
| 155 | GOM_NL__2PRFIN20090613_194925_000000422079_00472_38101_2936.N1 | 13-JUN-2009 19:49:25 | Straylight | 42.000 | 172 | Gam Gru | 3.0030 | 13100. | 84 | 38101 | No |
| 156 | GOM_NL__2PRFIN20090613_200126_000000302079_00472_38101_2937.N1 | 13-JUN-2009 20:01:26 | Twi_and_stray | 30.000 | 38 | 20Eps Sgr | 1.8360 | 11000. | 60 | 38101 | No |
| 157 | GOM_NL__2PRFIN20090613_200257_000000312079_00472_38101_2938.N1 | 13-JUN-2009 20:02:57 | Twi_and_stray | 30.500 | 116 | 19Del Sgr | 2.7000 | 4100.0 | 61 | 38101 | No |
| 158 | GOM_NL__2PRFIN20090613_200419_000000322079_00472_38101_2939.N1 | 13-JUN-2009 20:04:19 | Twi_and_stray | 32.000 | 137 | 22Lam Sgr | 2.8240 | 4400.0 | 64 | 38101 | No |
| 159 | GOM_NL__2PRFIN20090613_201506_000000332079_00472_38101_2940.N1 | 13-JUN-2009 20:15:06 | Bright | 33.000 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 66 | 38101 | No |
| 160 | GOM_NL__2PRFIN20090613_201740_000000332079_00472_38101_2941.N1 | 13-JUN-2009 20:17:40 | Bright | 32.500 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 65 | 38101 | No |

| | | | | | | | | | | | |
|-----|--|----------------------|------------|--------|-----|-----------|--------|--------|----|-------|----|
| 161 | GOM_NL__2PRFIN20090613_202931_000000302079_00472_38101_2942.N1 | 13-JUN-2009 20:29:31 | Bright | 29.500 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 59 | 38101 | No |
| 162 | GOM_NL__2PRFIN20090613_204004_000000322079_00472_38101_2943.N1 | 13-JUN-2009 20:40:04 | Twilight | 31.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 63 | 38101 | No |
| 163 | GOM_NL__2PRFIN20090613_204619_000000262079_00472_38101_2944.N1 | 13-JUN-2009 20:46:19 | Twilight | 26.000 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 52 | 38101 | No |
| 164 | GOM_NL__2PRFIN20090613_205501_000000252079_00472_38101_2945.N1 | 13-JUN-2009 20:55:01 | Twilight | 24.500 | 53 | 43Bet And | 2.0480 | 3300.0 | 49 | 38101 | No |
| 165 | GOM_NL__2PRFIN20090613_211347_000000322079_00472_38101_2946.N1 | 13-JUN-2009 21:13:47 | Dark | 32.000 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 64 | 38101 | No |
| 166 | GOM_NL__2PRFIN20090613_212434_000000312079_00473_38102_2951.N1 | 13-JUN-2009 21:24:34 | Dark | 31.000 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 62 | 38102 | No |
| 167 | GOM_NL__2PRFIN20090613_212614_000000342079_00473_38102_2952.N1 | 13-JUN-2009 21:26:14 | Dark | 34.000 | 63 | Bet Gru | 2.1500 | 2800.0 | 68 | 38102 | No |
| 168 | GOM_NL__2PRFIN20090613_212817_000000352079_00473_38102_2953.N1 | 13-JUN-2009 21:28:17 | Dark | 34.500 | 31 | Alp Gru | 1.7340 | 15200. | 69 | 38102 | No |
| 169 | GOM_NL__2PRFIN20090613_213002_000000422079_00473_38102_2954.N1 | 13-JUN-2009 21:30:02 | Straylight | 42.000 | 172 | Gam Gru | 3.0030 | 13100. | 84 | 38102 | No |
| 170 | GOM_NL__2PRFIN20090613_214202_000000302079_00473_38102_2955.N1 | 13-JUN-2009 21:42:02 | Twilight | 30.000 | 38 | 20Eps Sgr | 1.8360 | 11000. | 60 | 38102 | No |
| 171 | GOM_NL__2PRFIN20090613_214334_000000312079_00473_38102_2956.N1 | 13-JUN-2009 21:43:34 | Twilight | 30.500 | 116 | 19Del Sgr | 2.7000 | 4100.0 | 61 | 38102 | No |
| 172 | GOM_NL__2PRFIN20090613_214455_000000322079_00473_38102_2957.N1 | 13-JUN-2009 21:44:55 | Twilight | 32.000 | 137 | 22Lam Sgr | 2.8240 | 4400.0 | 64 | 38102 | No |
| 173 | GOM_NL__2PRFIN20090613_215542_000000332079_00473_38102_2958.N1 | 13-JUN-2009 21:55:42 | Bright | 32.500 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 65 | 38102 | No |
| 174 | GOM_NL__2PRFIN20090613_215816_000000322079_00473_38102_2959.N1 | 13-JUN-2009 21:58:16 | Bright | 32.000 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 64 | 38102 | No |
| 175 | GOM_NL__2PRFIN20090613_221007_000000302079_00473_38102_2960.N1 | 13-JUN-2009 22:10:07 | Bright | 29.500 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 59 | 38102 | No |
| 176 | GOM_NL__2PRFIN20090613_222039_000000322079_00473_38102_2961.N1 | 13-JUN-2009 22:20:39 | Twilight | 31.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 63 | 38102 | No |
| 177 | GOM_NL__2PRFIN20090613_222655_000000272079_00473_38102_2962.N1 | 13-JUN-2009 22:26:55 | Twilight | 26.500 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 53 | 38102 | No |
| 178 | GOM_NL__2PRFIN20090613_223537_000000262079_00473_38102_2963.N1 | 13-JUN-2009 22:35:37 | Twilight | 25.500 | 53 | 43Bet And | 2.0480 | 3300.0 | 51 | 38102 | No |
| 179 | GOM_NL__2PRFIN20090613_225424_000000322079_00473_38102_2964.N1 | 13-JUN-2009 22:54:24 | Dark | 32.000 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 64 | 38102 | No |
| 180 | GOM_NL__2PRFIN20090613_230511_000000312079_00474_38103_2968.N1 | 13-JUN-2009 23:05:11 | Dark | 31.000 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 62 | 38103 | No |
| 181 | GOM_NL__2PRFIN20090613_230651_000000352079_00474_38103_2969.N1 | 13-JUN-2009 23:06:51 | Dark | 34.500 | 63 | Bet Gru | 2.1500 | 2800.0 | 69 | 38103 | No |
| 182 | GOM_NL__2PRFIN20090613_230853_000000352079_00474_38103_2970.N1 | 13-JUN-2009 23:08:53 | Dark | 35.000 | 31 | Alp Gru | 1.7340 | 15200. | 70 | 38103 | No |
| 183 | GOM_NL__2PRFIN20090613_231039_000000432079_00474_38103_2971.N1 | 13-JUN-2009 23:10:39 | Straylight | 42.500 | 172 | Gam Gru | 3.0030 | 13100. | 85 | 38103 | No |
| 184 | GOM_NL__2PRFIN20090613_232239_000000302079_00474_38103_2972.N1 | 13-JUN-2009 23:22:39 | Twilight | 30.000 | 38 | 20Eps Sgr | 1.8360 | 11000. | 60 | 38103 | No |
| 185 | GOM_NL__2PRFIN20090613_232410_000000312079_00474_38103_2973.N1 | 13-JUN-2009 23:24:10 | Twilight | 30.500 | 116 | 19Del Sgr | 2.7000 | 4100.0 | 61 | 38103 | No |
| 186 | GOM_NL__2PRFIN20090613_232531_000000322079_00474_38103_2974.N1 | 13-JUN-2009 23:25:31 | Twilight | 32.000 | 137 | 22Lam Sgr | 2.8240 | 4400.0 | 64 | 38103 | No |
| 187 | GOM_NL__2PRFIN20090613_233618_000000332079_00474_38103_2975.N1 | 13-JUN-2009 23:36:18 | Bright | 32.500 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 65 | 38103 | No |
| 188 | GOM_NL__2PRFIN20090613_233851_000000322079_00474_38103_2976.N1 | 13-JUN-2009 23:38:51 | Bright | 32.000 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 64 | 38103 | No |
| 189 | GOM_NL__2PRFIN20090613_235042_000000302079_00474_38103_2977.N1 | 13-JUN-2009 23:50:42 | Bright | 29.500 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 59 | 38103 | No |

3. Quality information per product

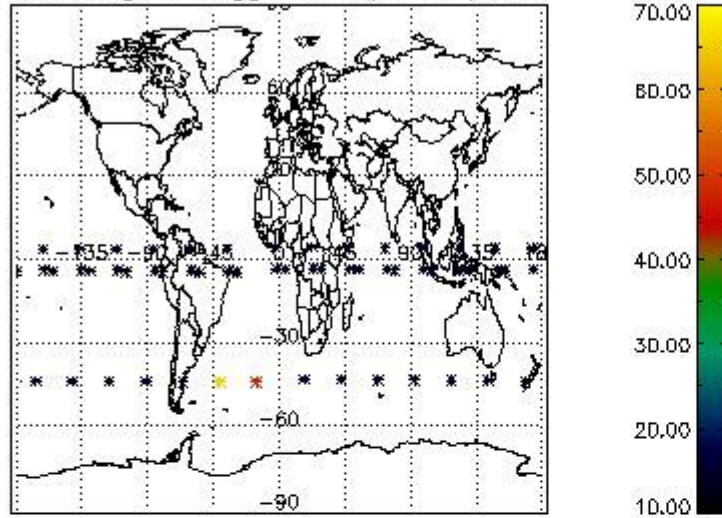
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

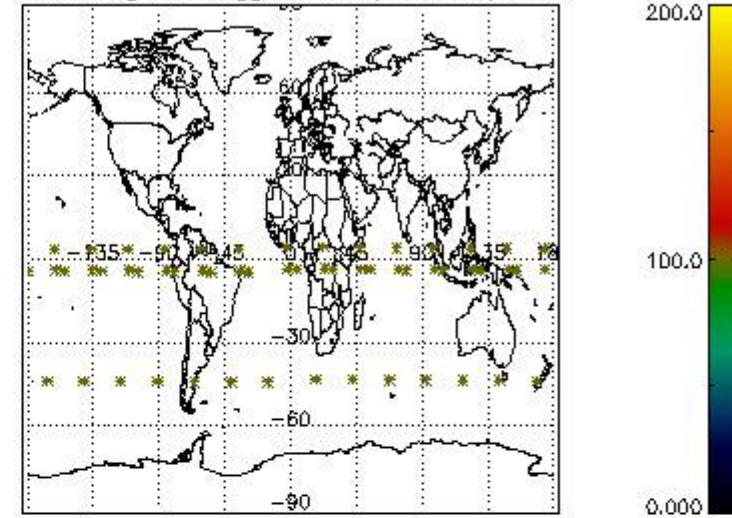


3.2 Plot quality information per product (world map)

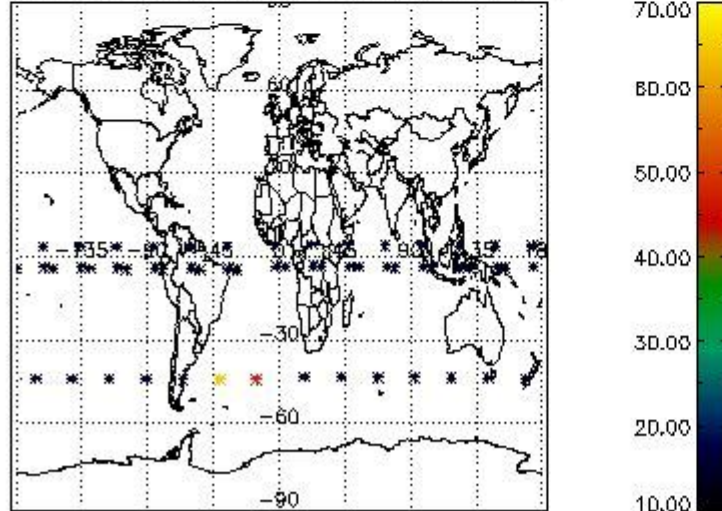
Percentage of flagged data per O3 profile



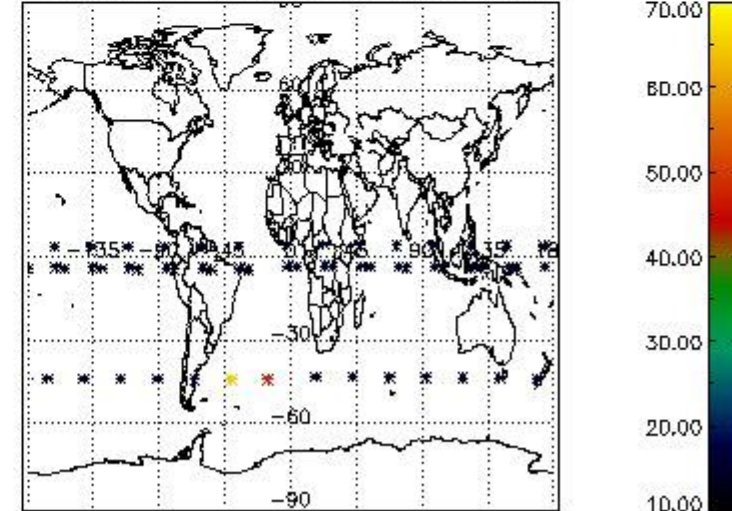
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

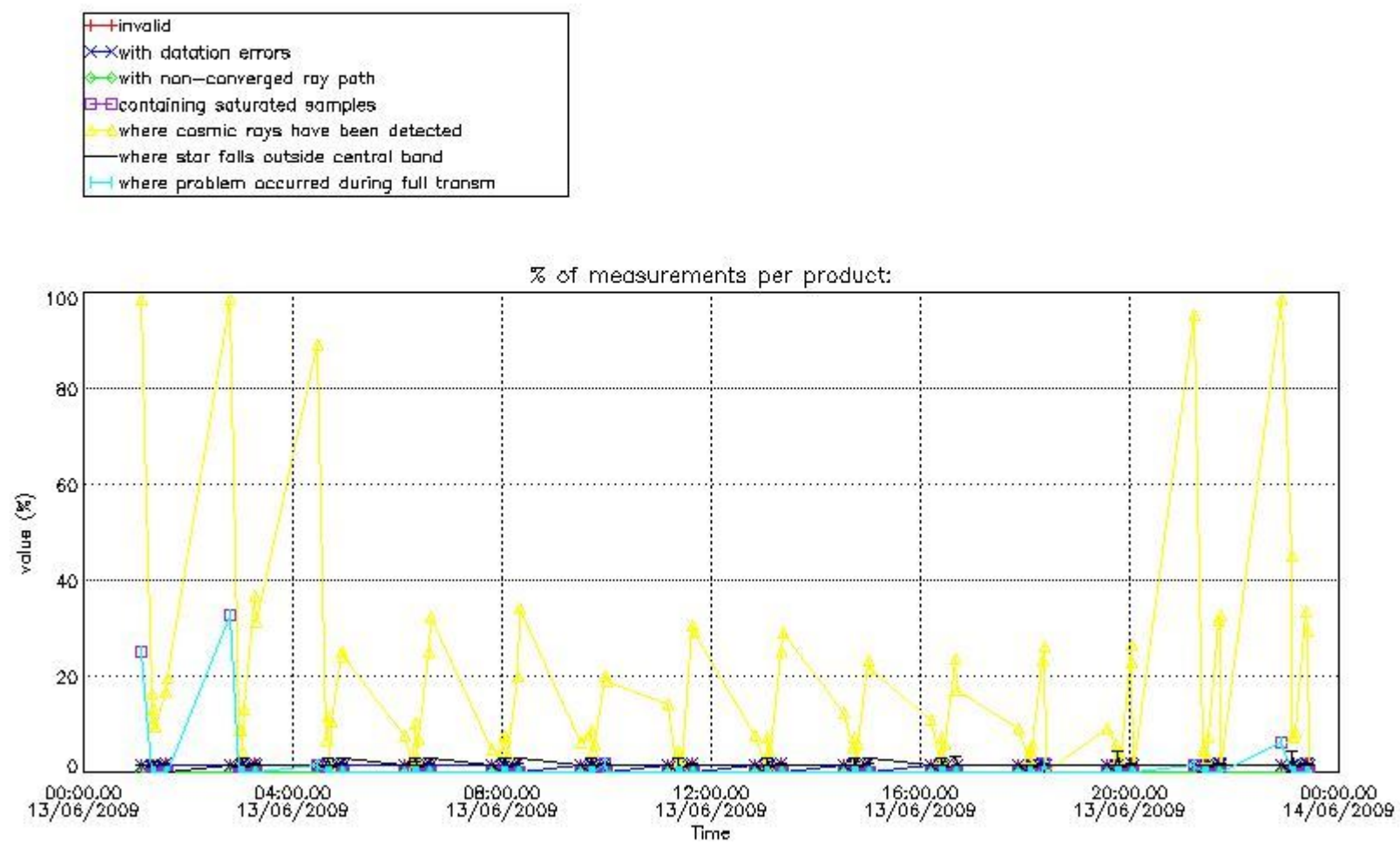


4. Level 1 quality information per product

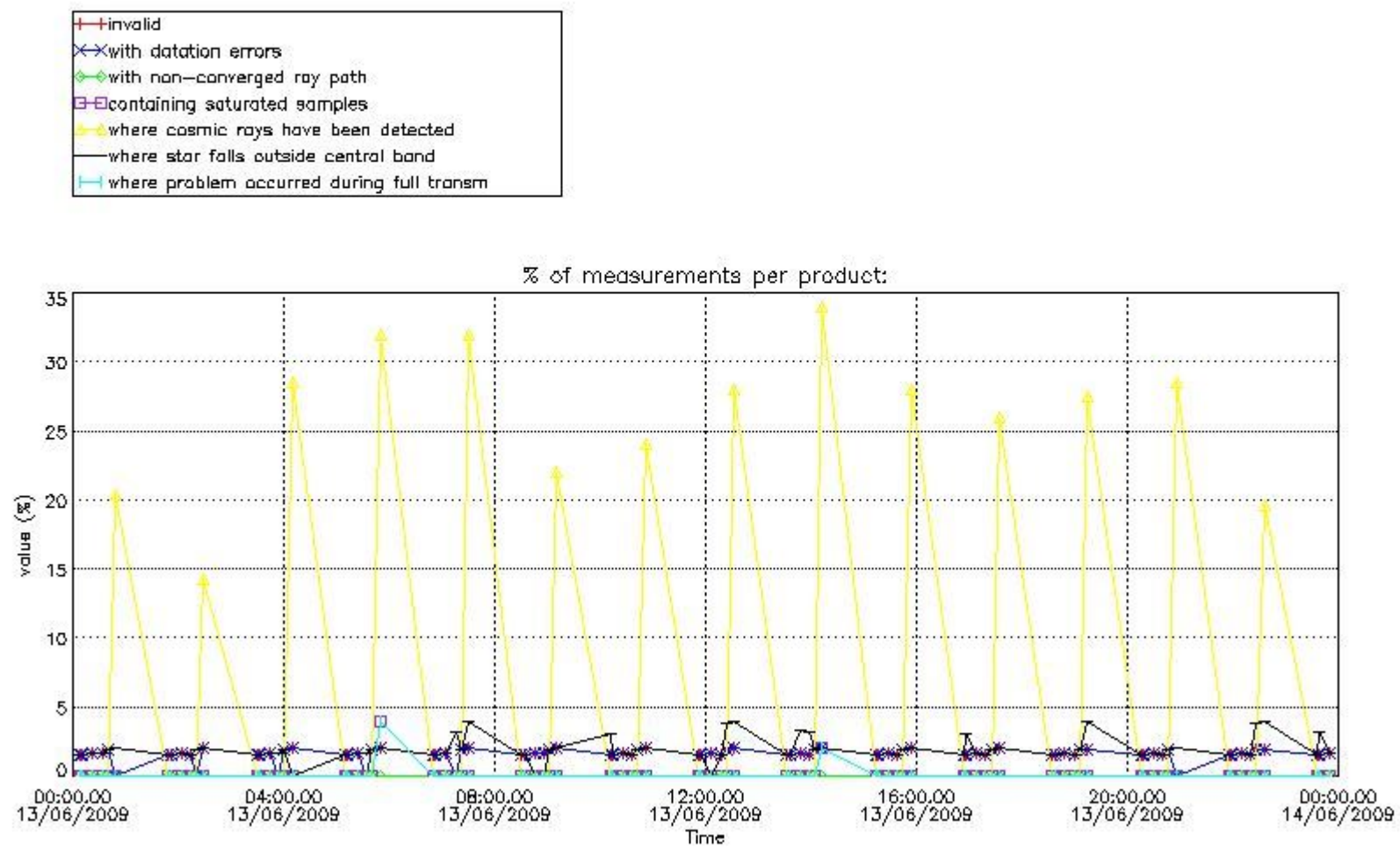
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



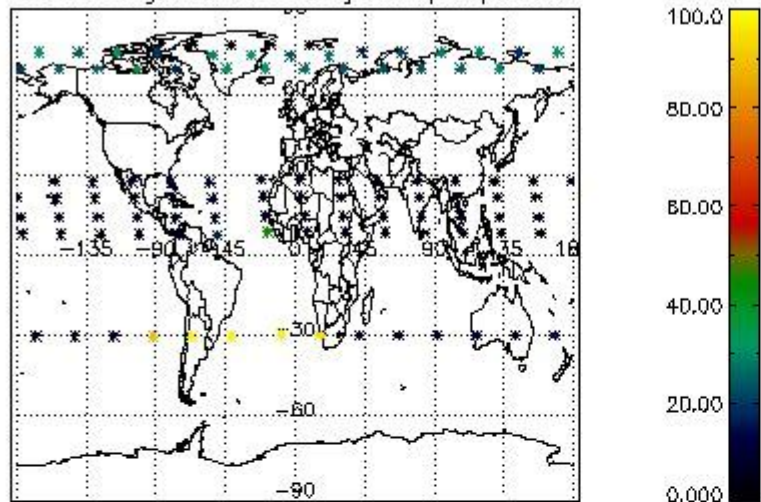
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



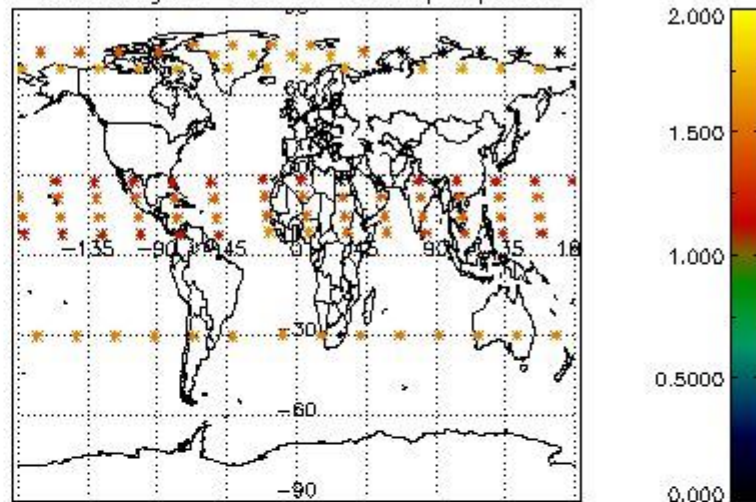
4.2 Plot quality information per product coming from level 1b processing (world map)

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

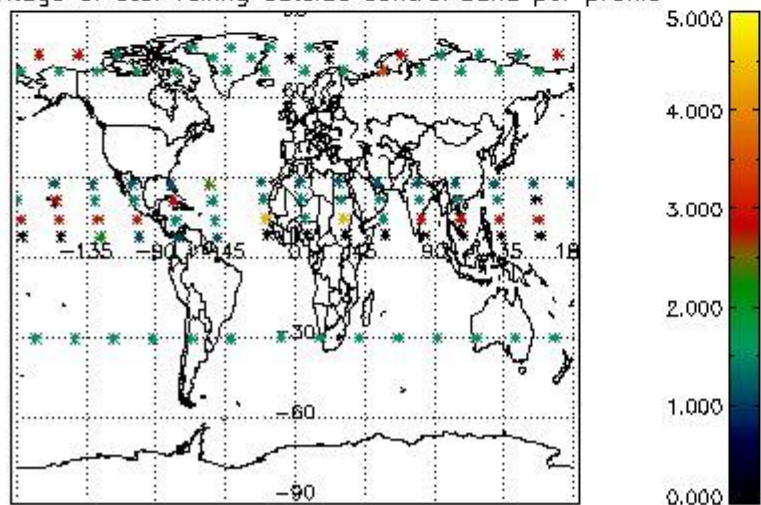
Percentage of cosmic ray hits per profile



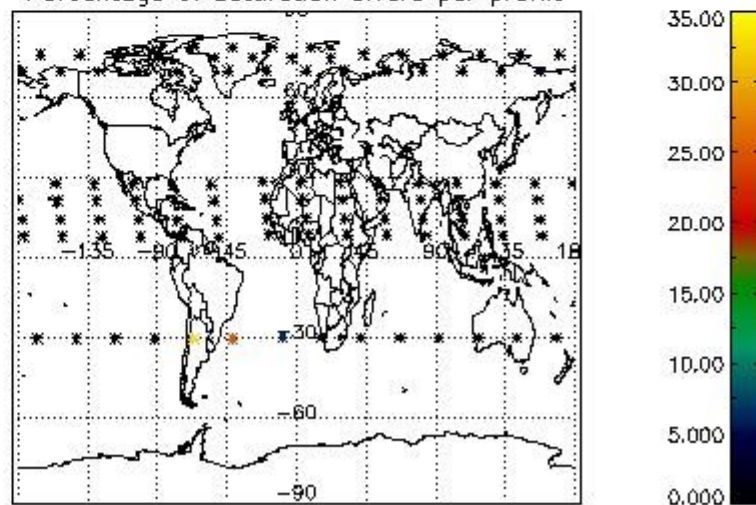
Percentage of datation errors per profile



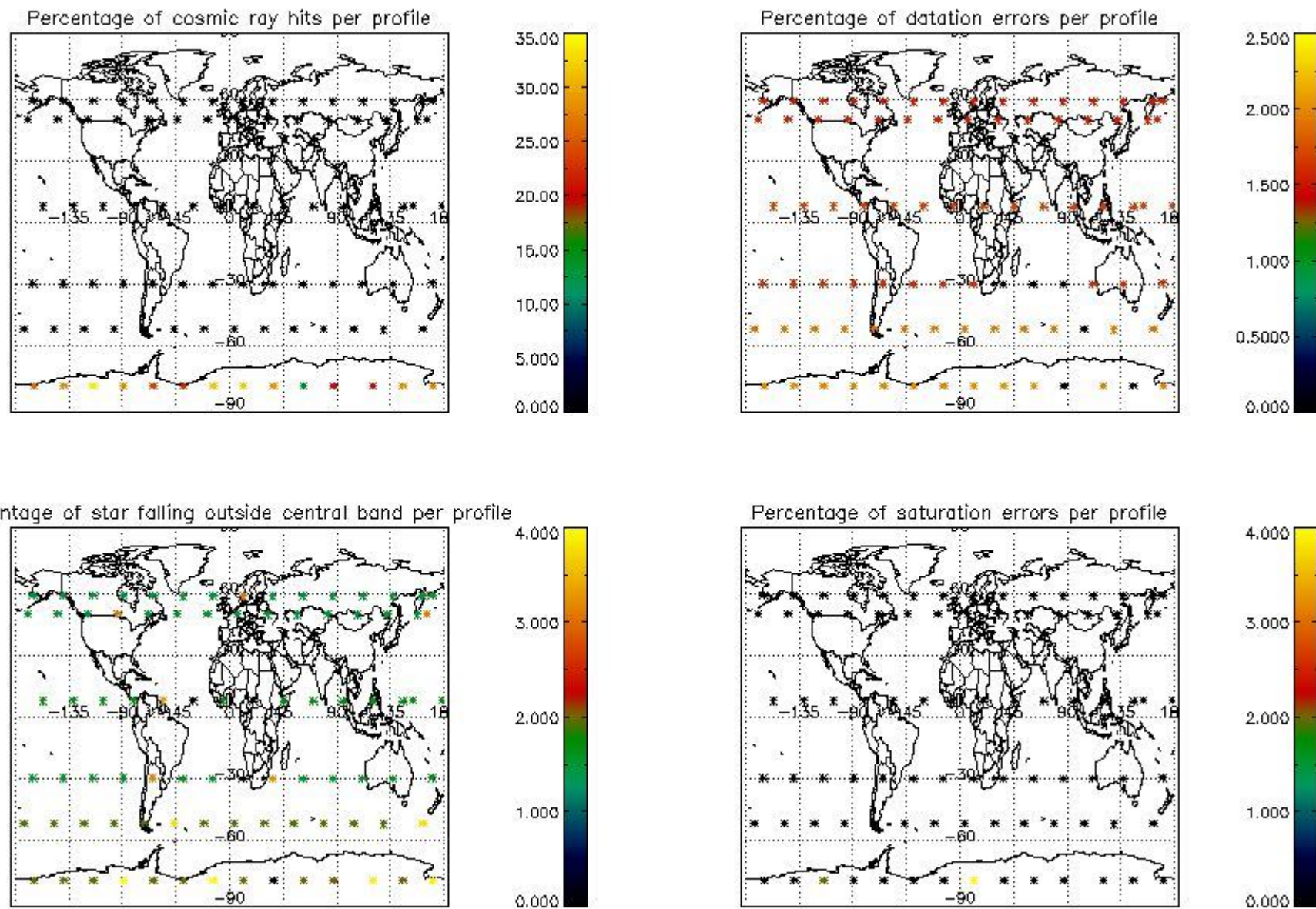
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

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

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

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

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

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

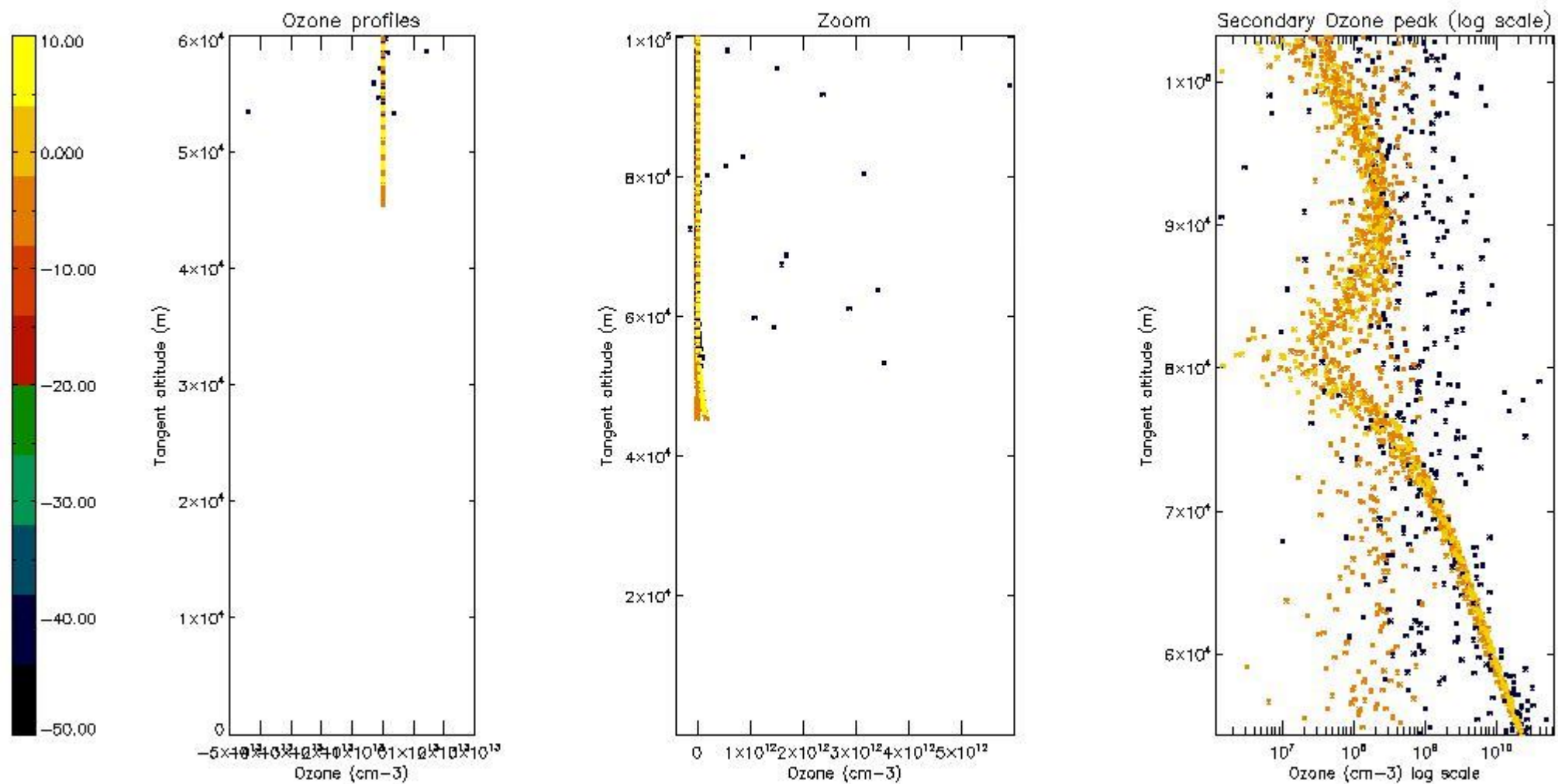
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

| Criteria | % of total production |
|----------|-----------------------|
| All STD | 32 |
| STD < 20 | 7 |

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

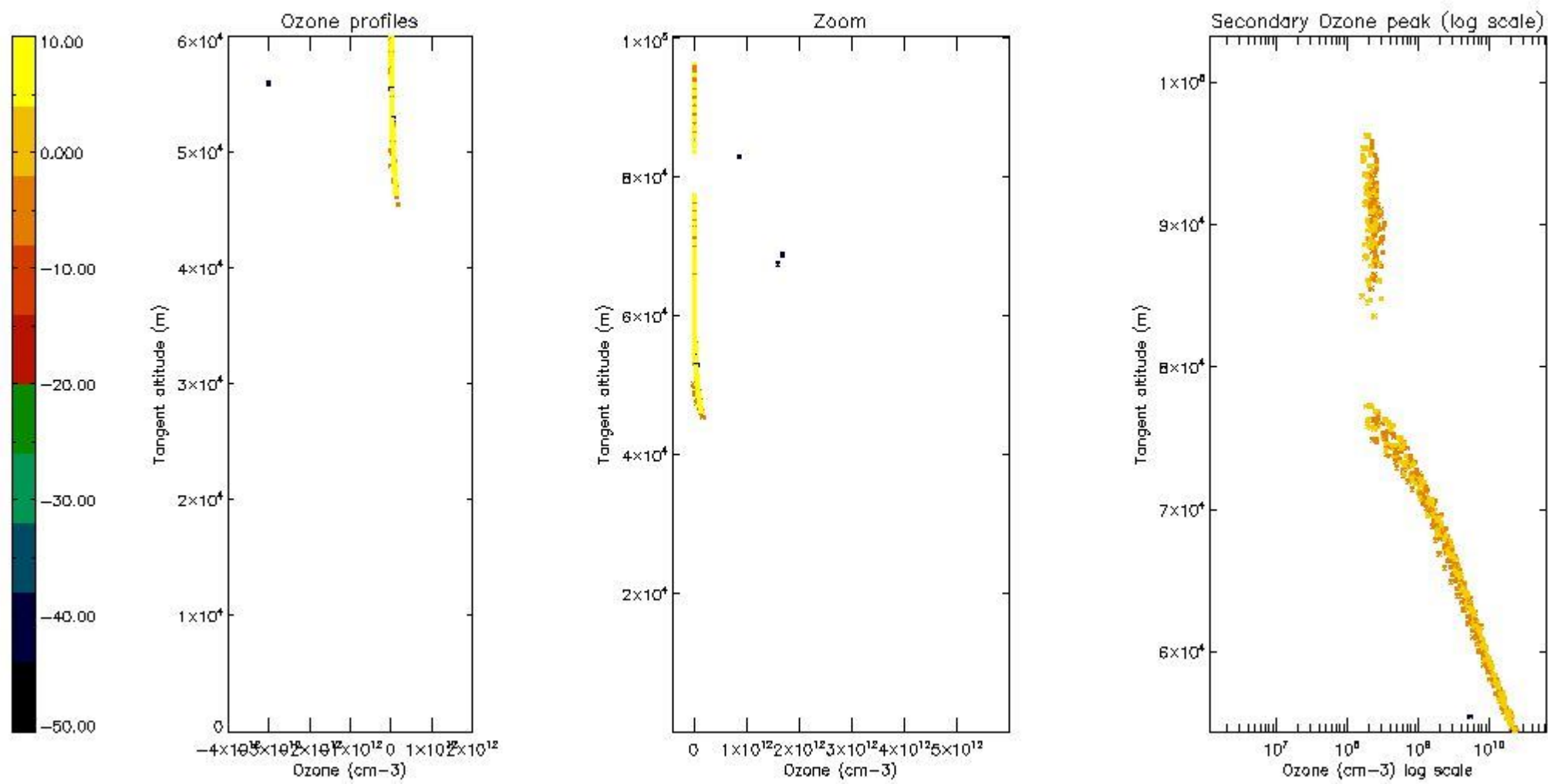
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



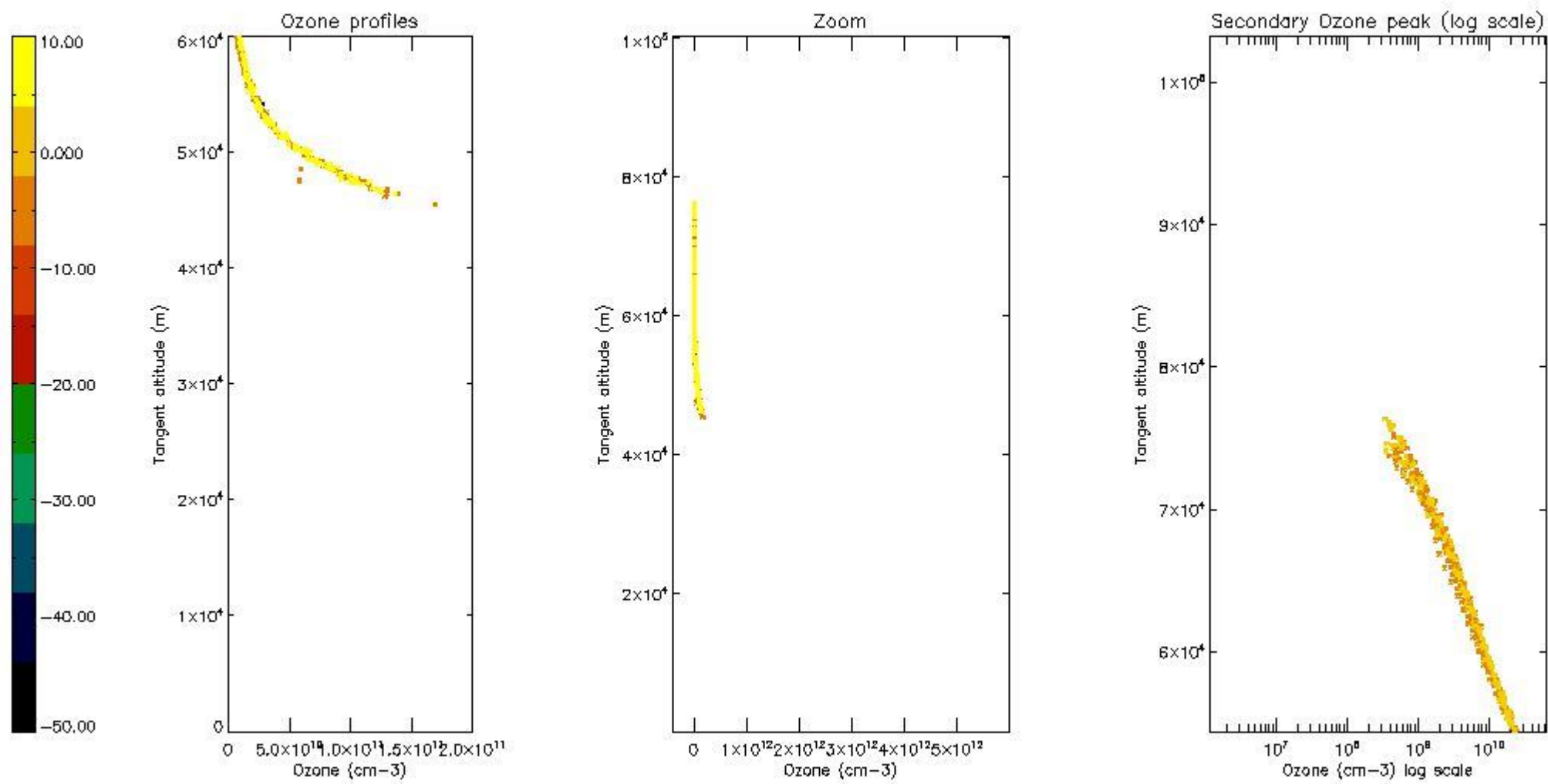
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



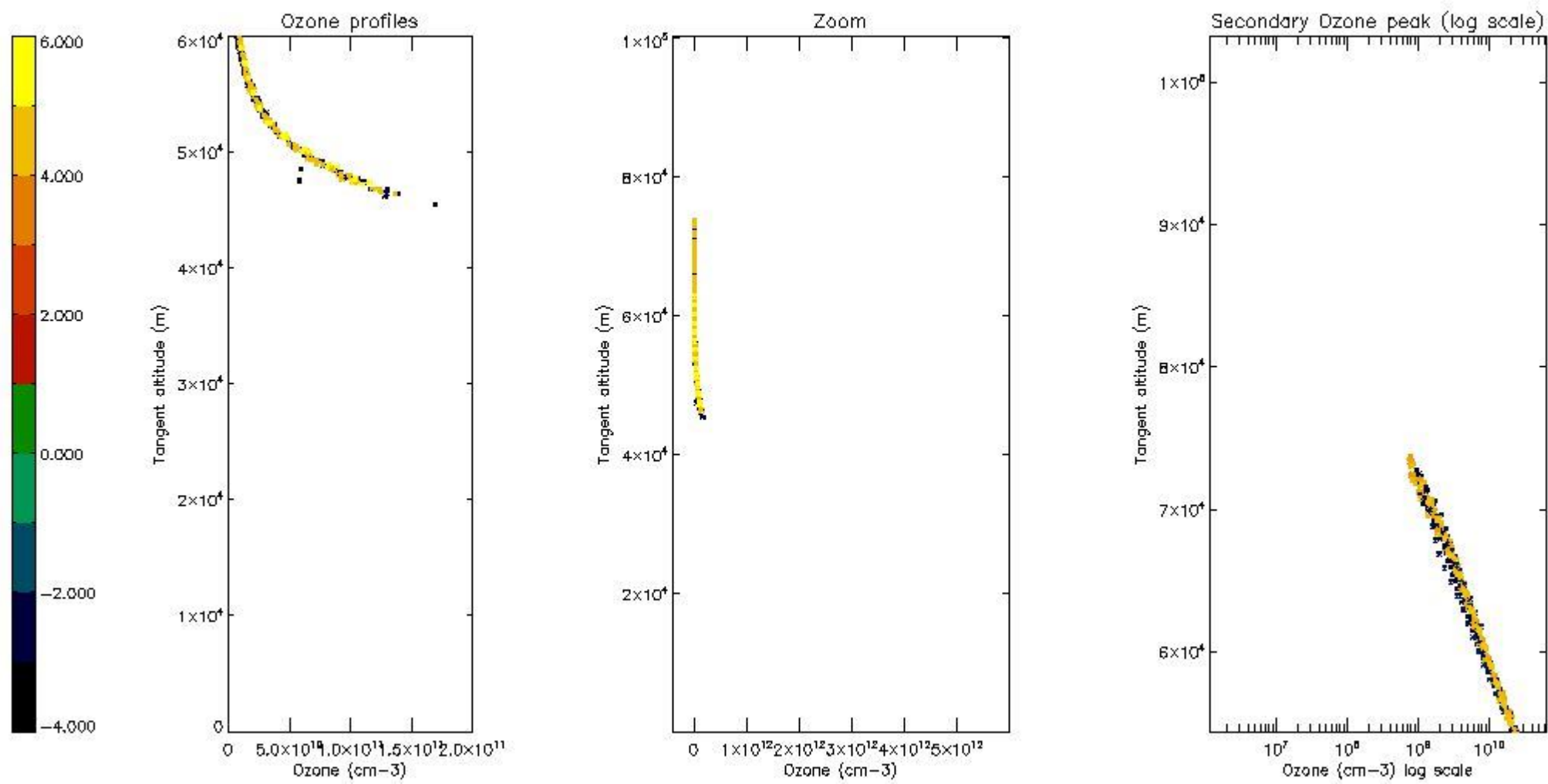
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



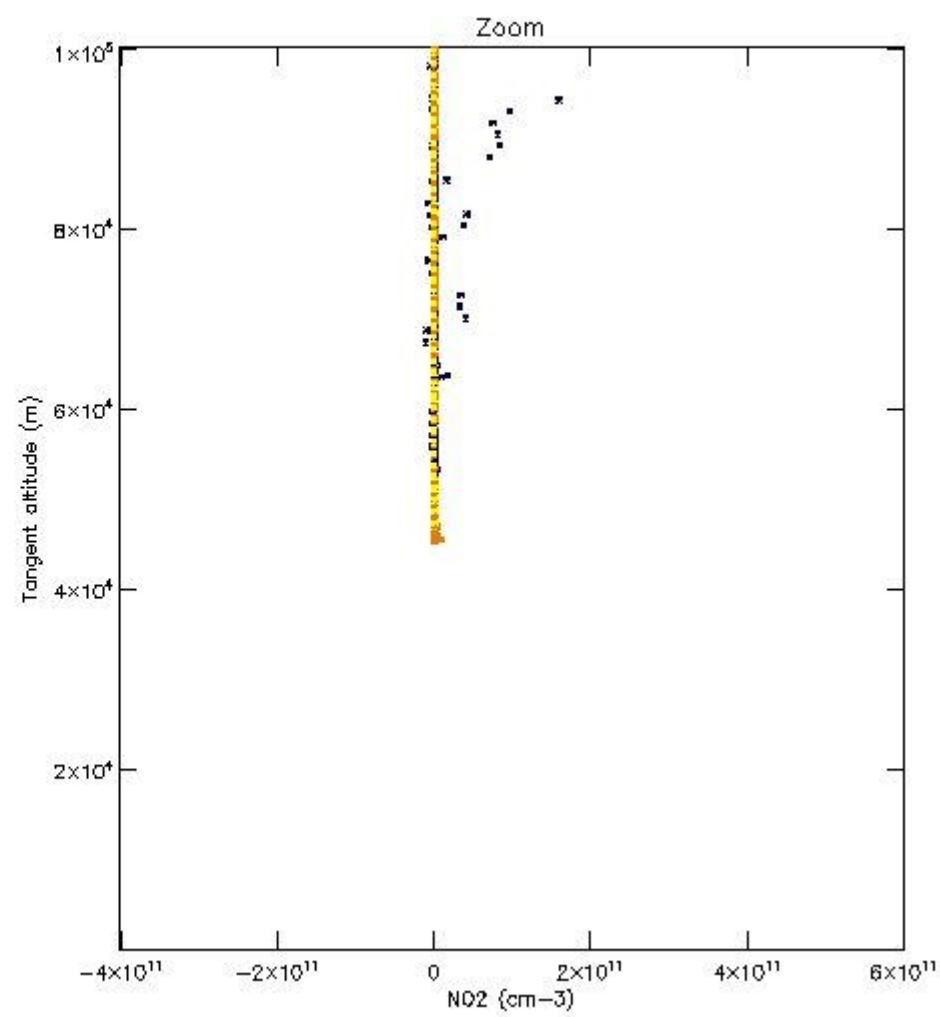
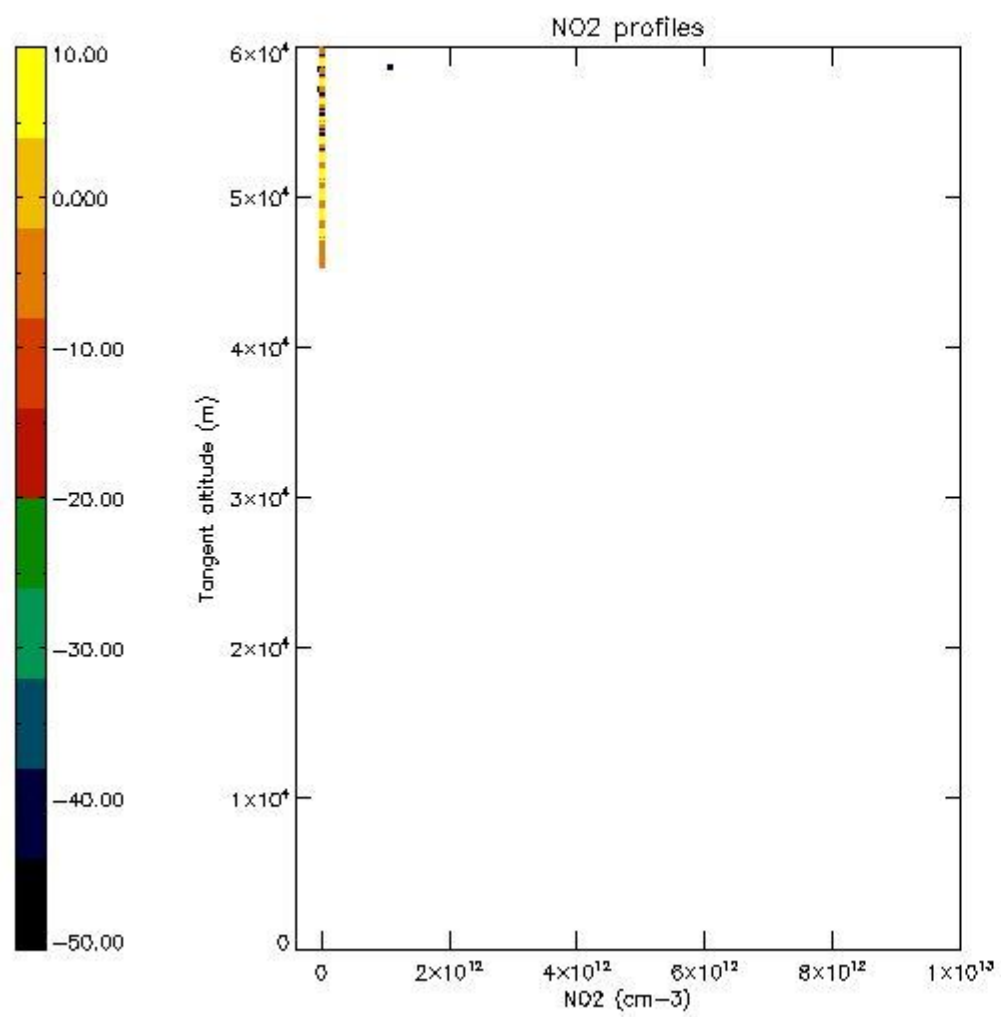
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



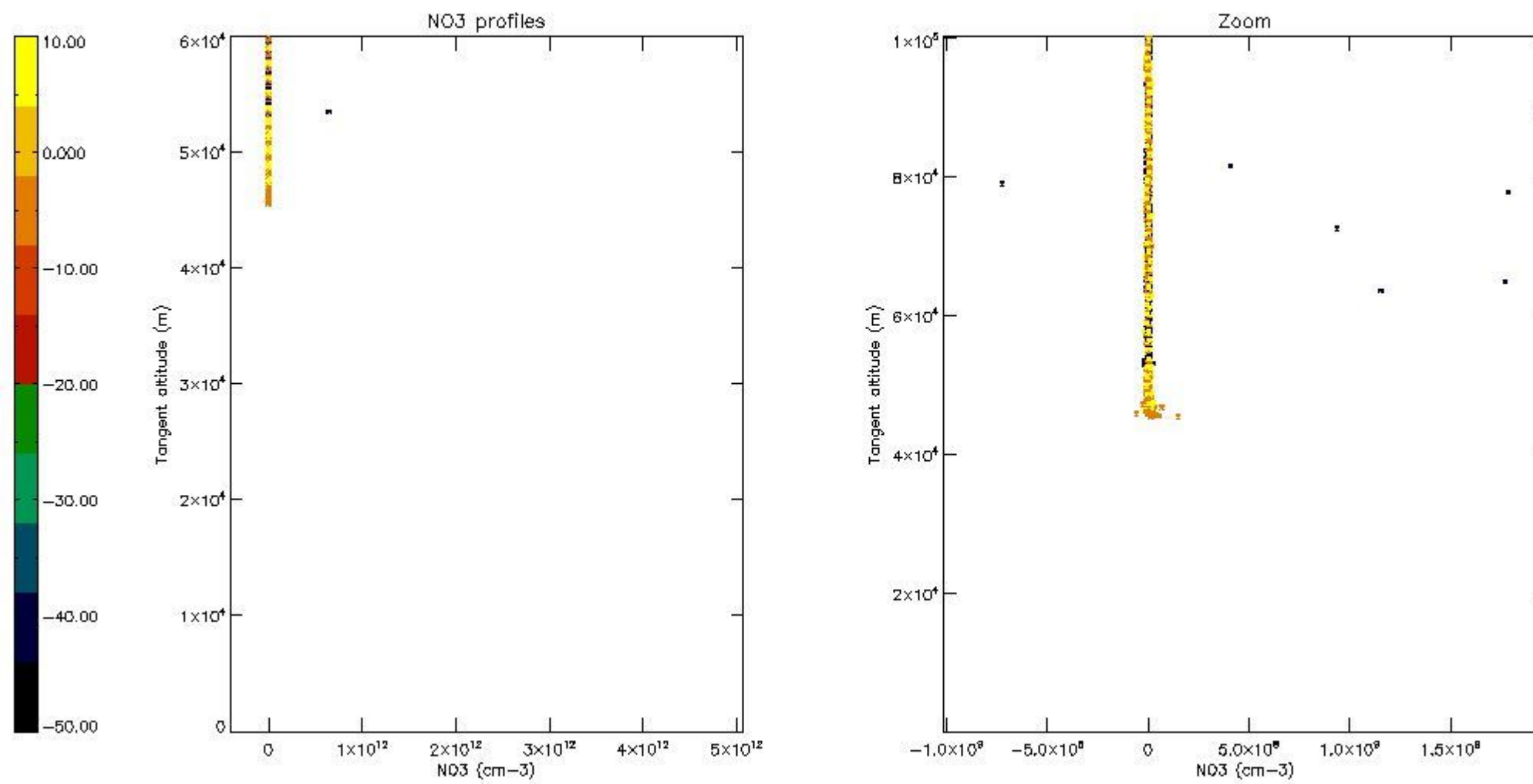
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

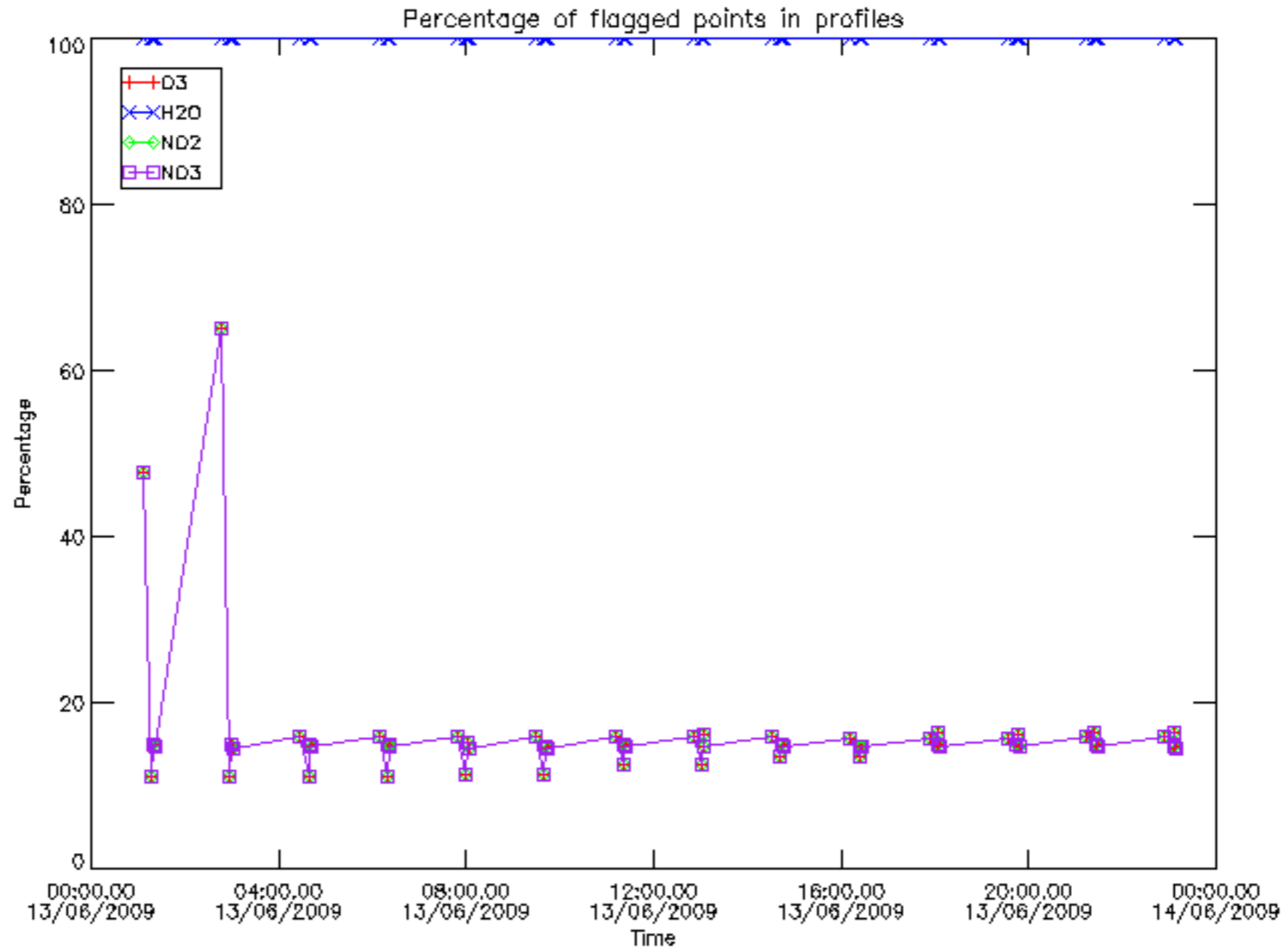
The colorbar represents the latitude.



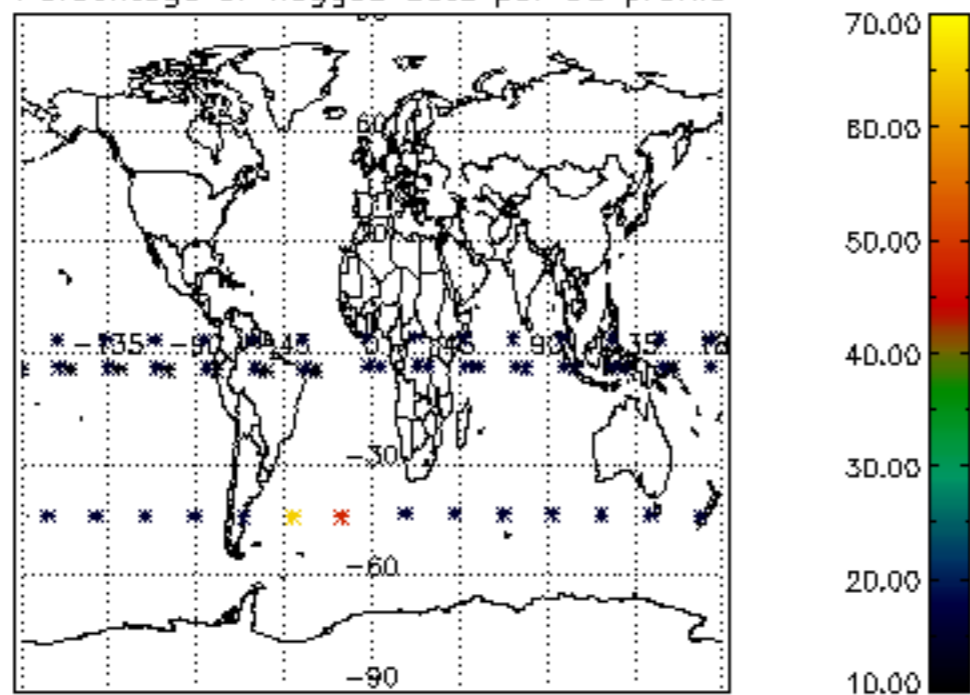
6. Auxiliary Data Files used for the production reported in section 2

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.

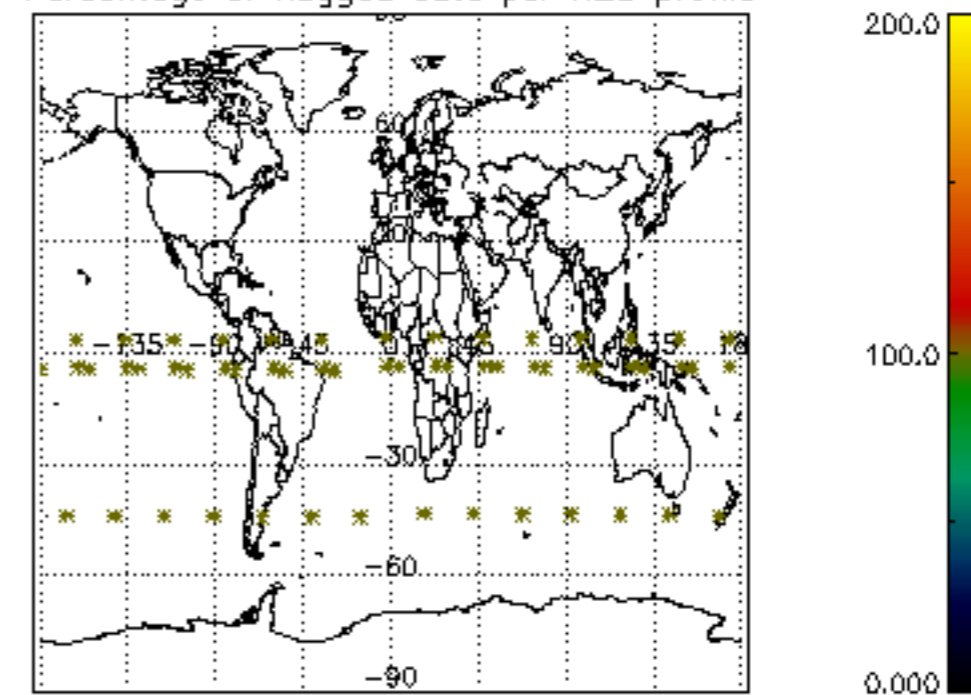
| Type | Auxiliary Filename | Used since product | Used since product date |
|---------------------------|---|--------------------|-------------------------|
| INST_PHYS_CHARACTERISTICS | GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000 | 1 | 13-JUN-2009 00:07:59 |
| LEVEL-2_PROC_CONFIG | GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000 | 1 | 13-JUN-2009 00:07:59 |
| CROSS_SECTIONS_FILE | GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000 | 1 | 13-JUN-2009 00:07:59 |



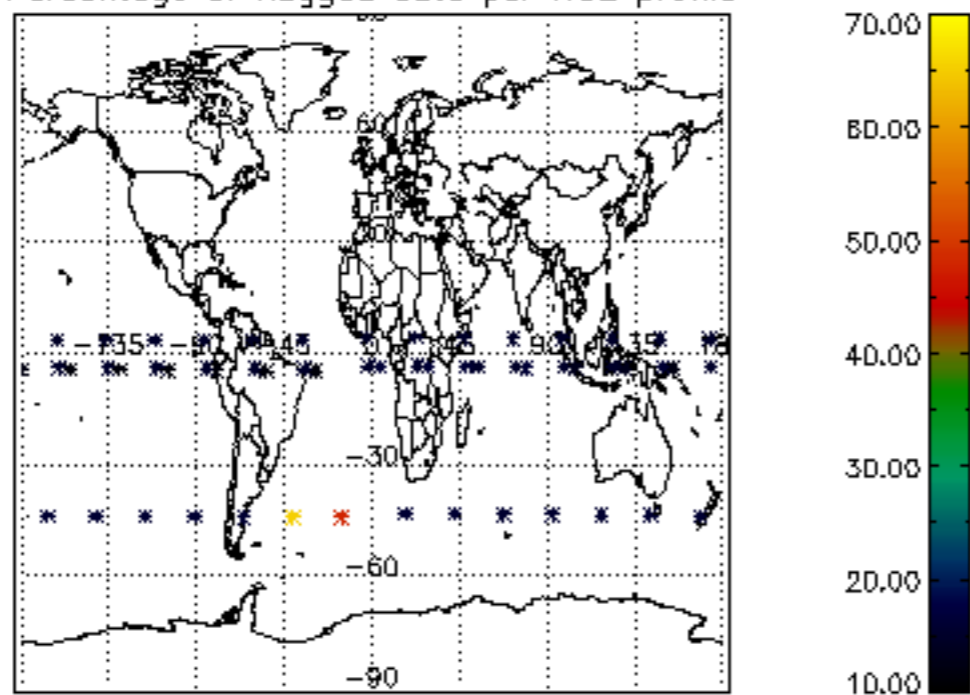
Percentage of flagged data per D3 profile



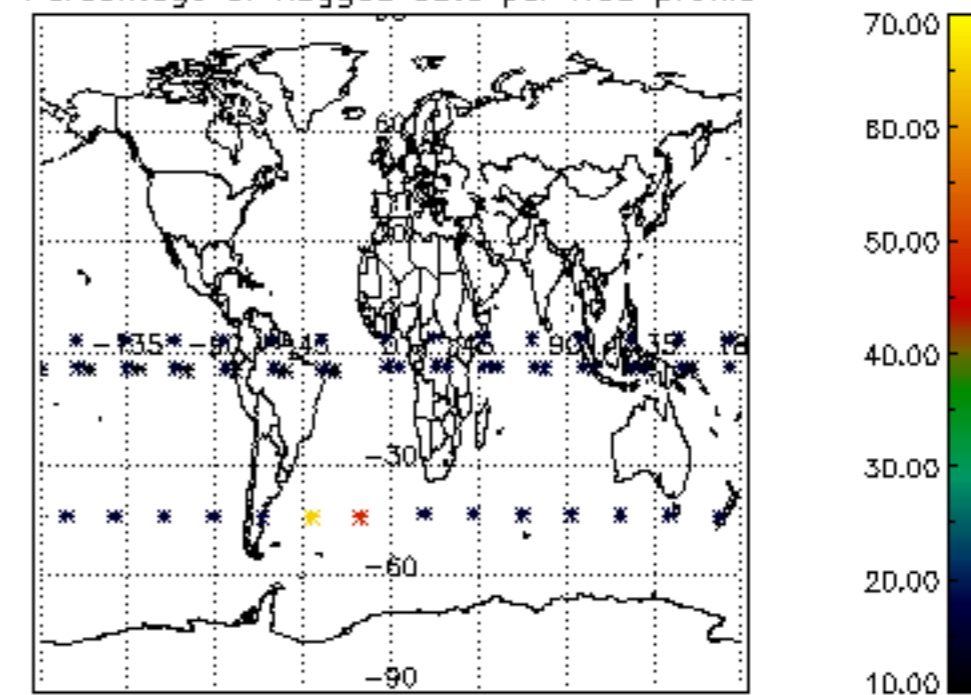
Percentage of flagged data per H2O profile

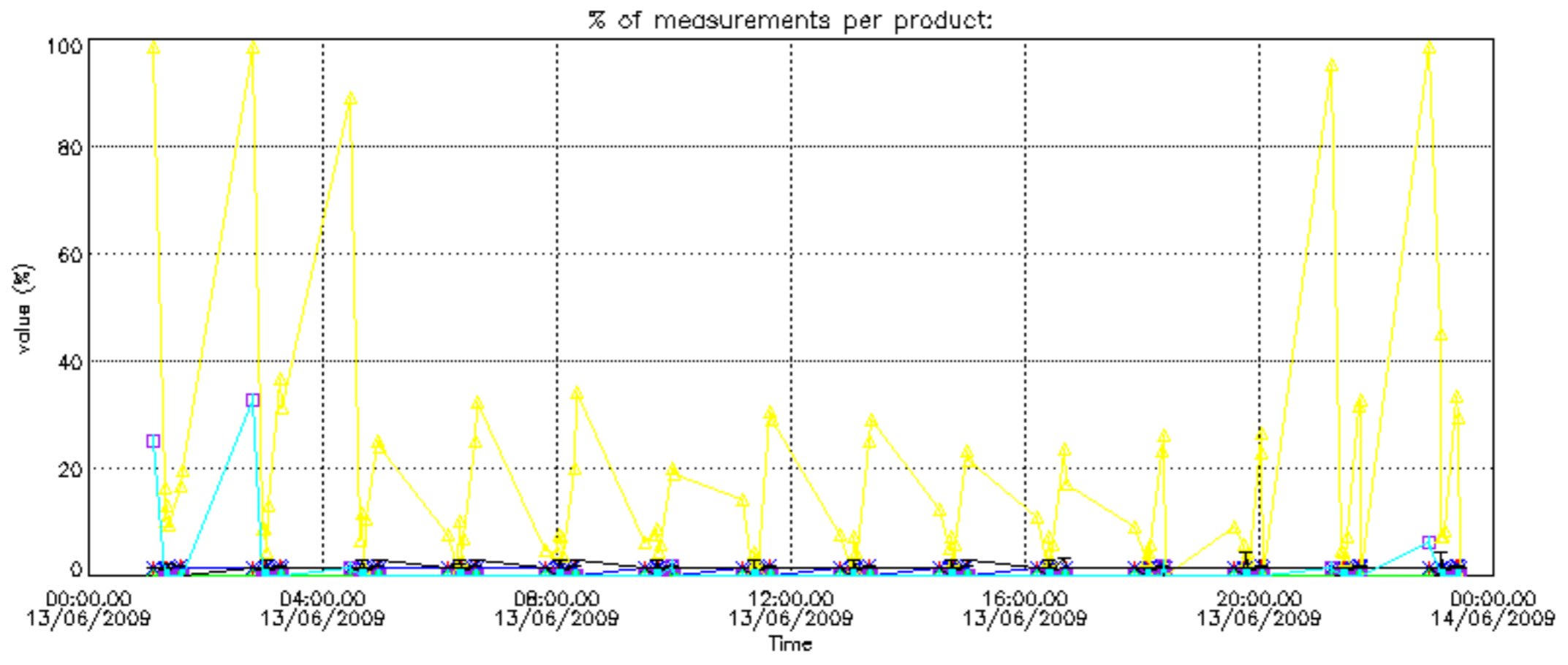


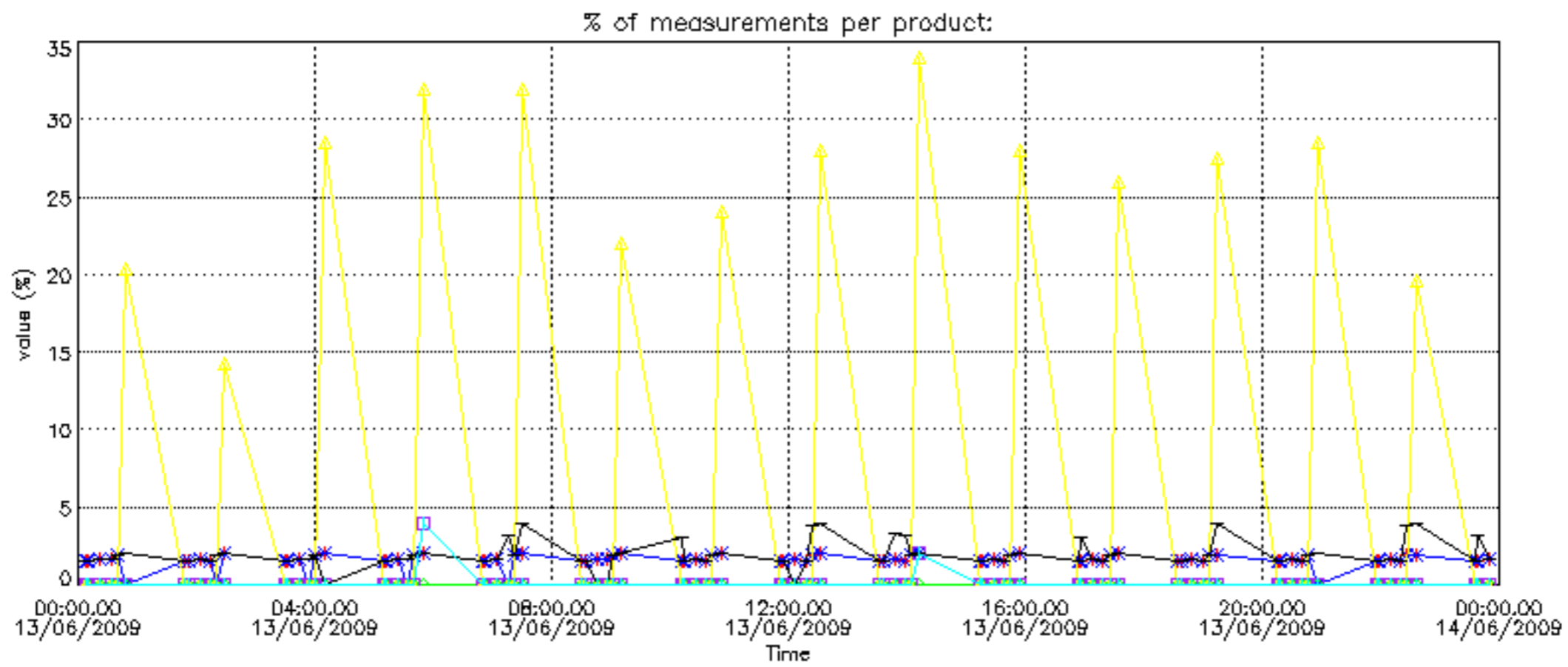
Percentage of flagged data per NO2 profile



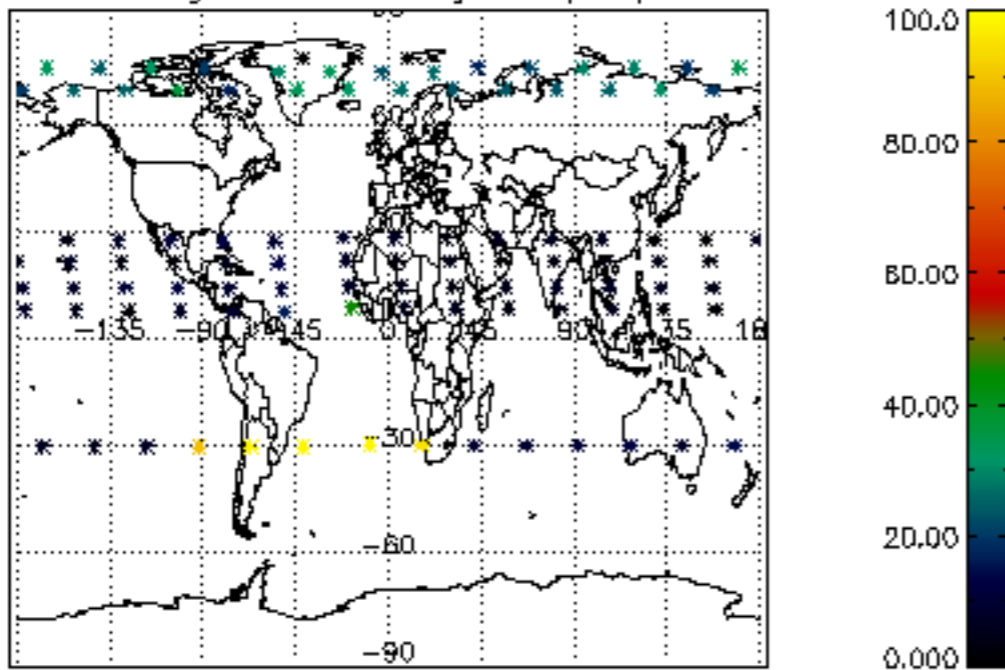
Percentage of flagged data per NO3 profile



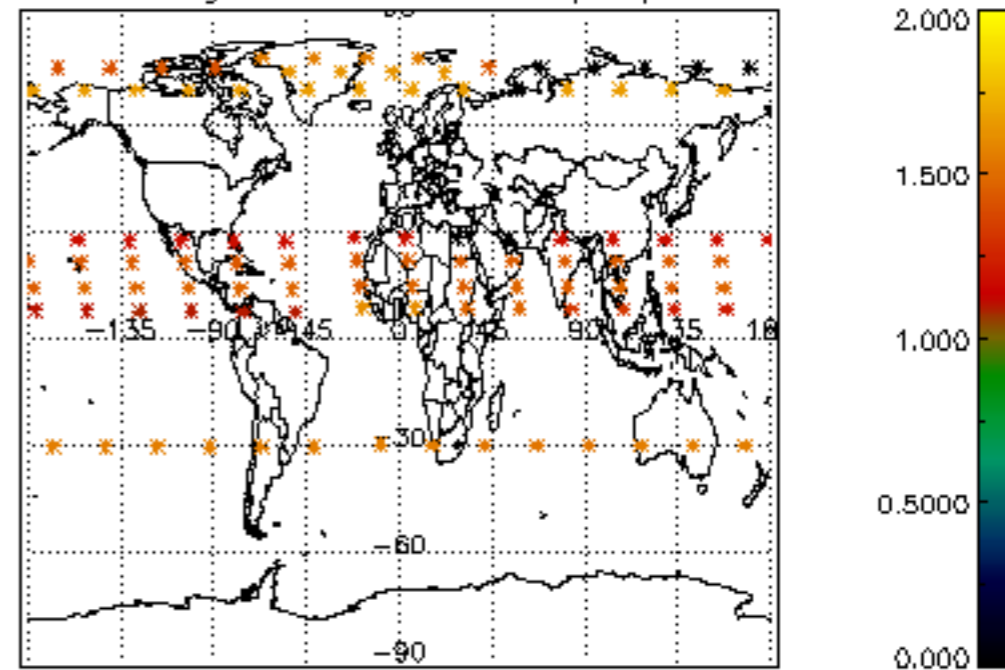




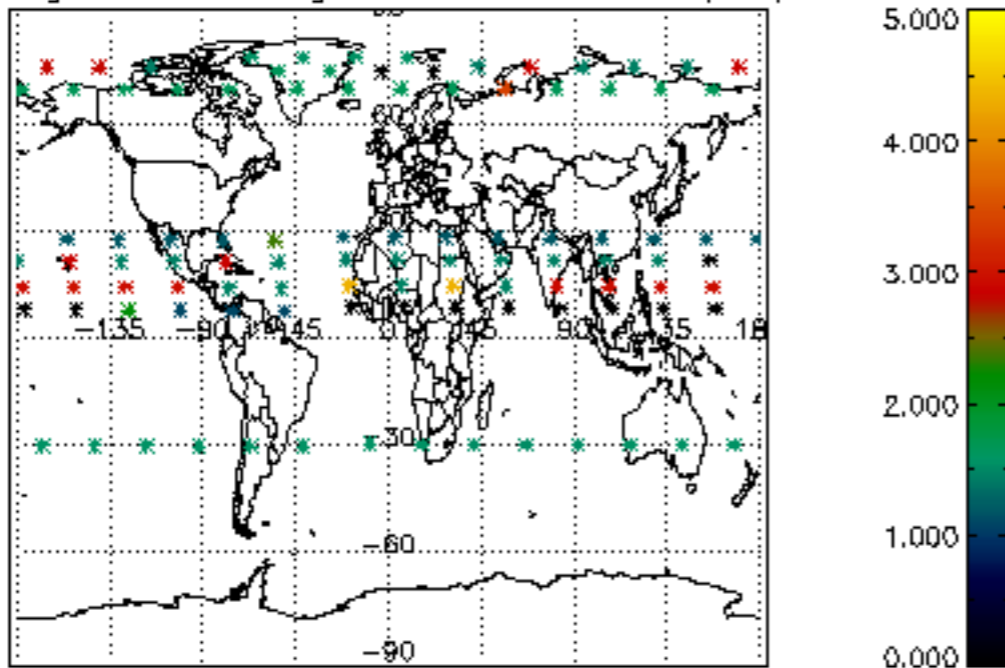
Percentage of cosmic ray hits per profile



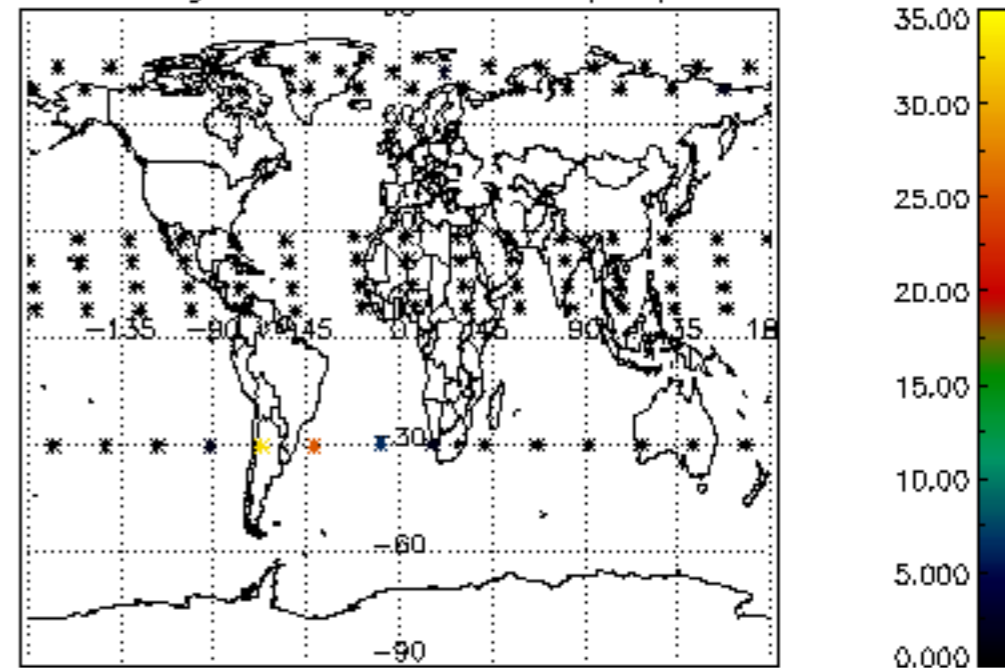
Percentage of datation errors per profile



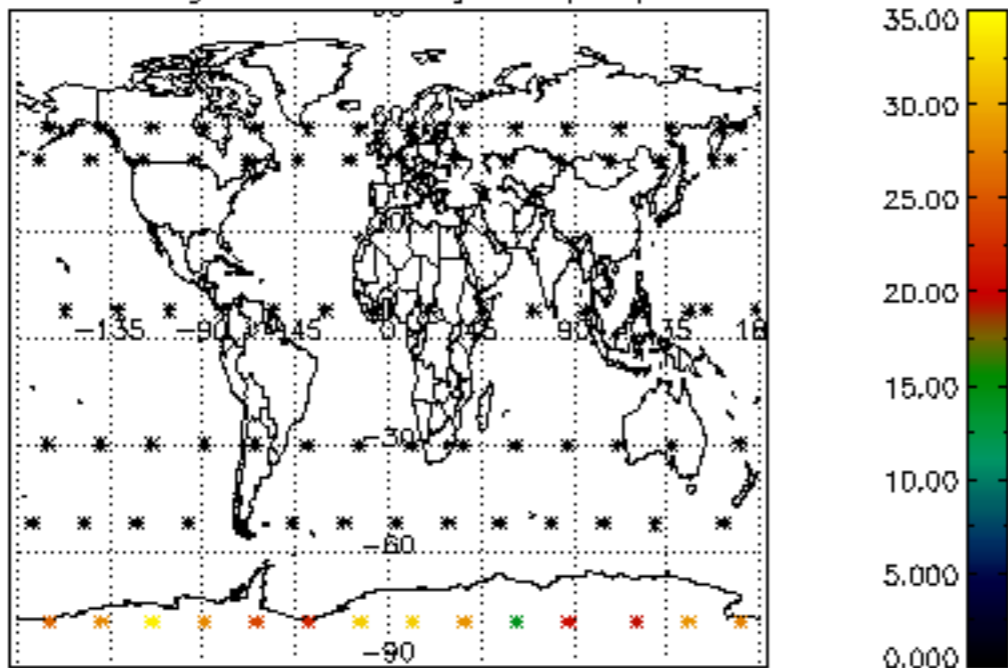
Percentage of star falling outside central band per profile



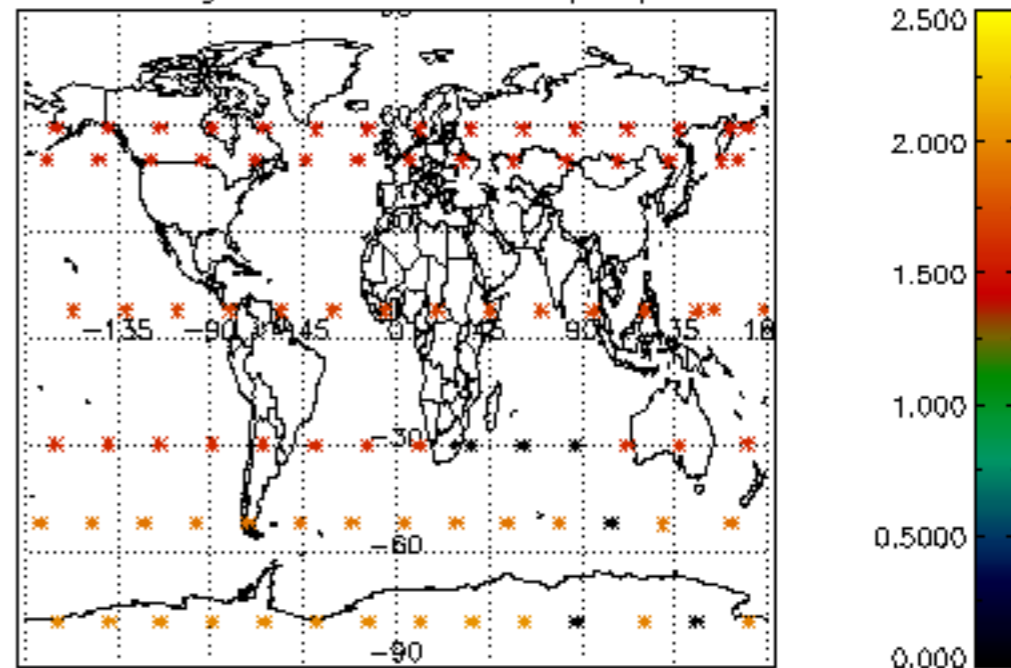
Percentage of saturation errors per profile



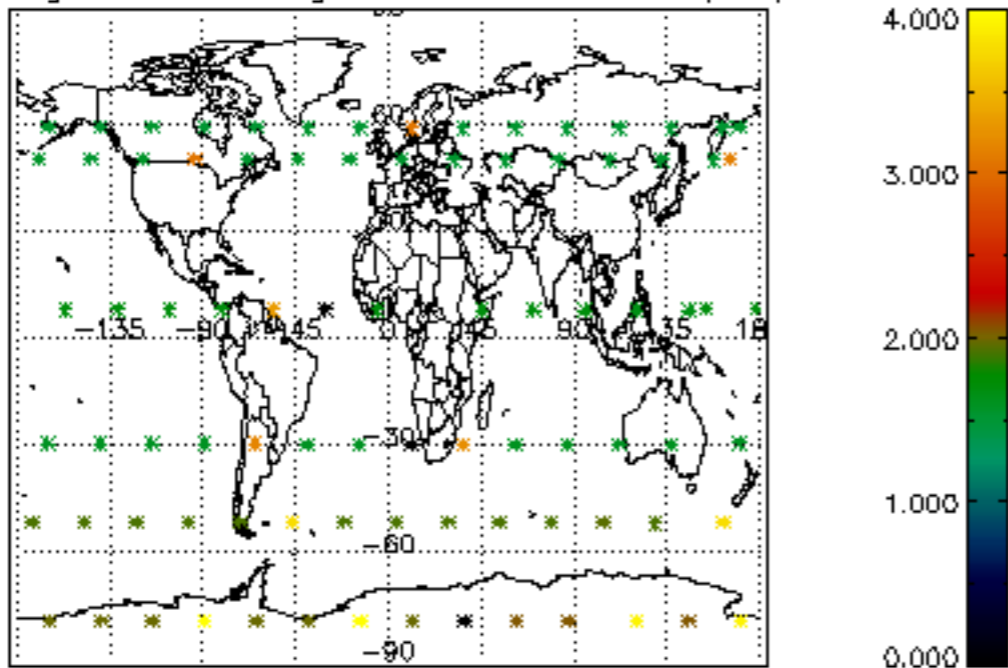
Percentage of cosmic ray hits per profile



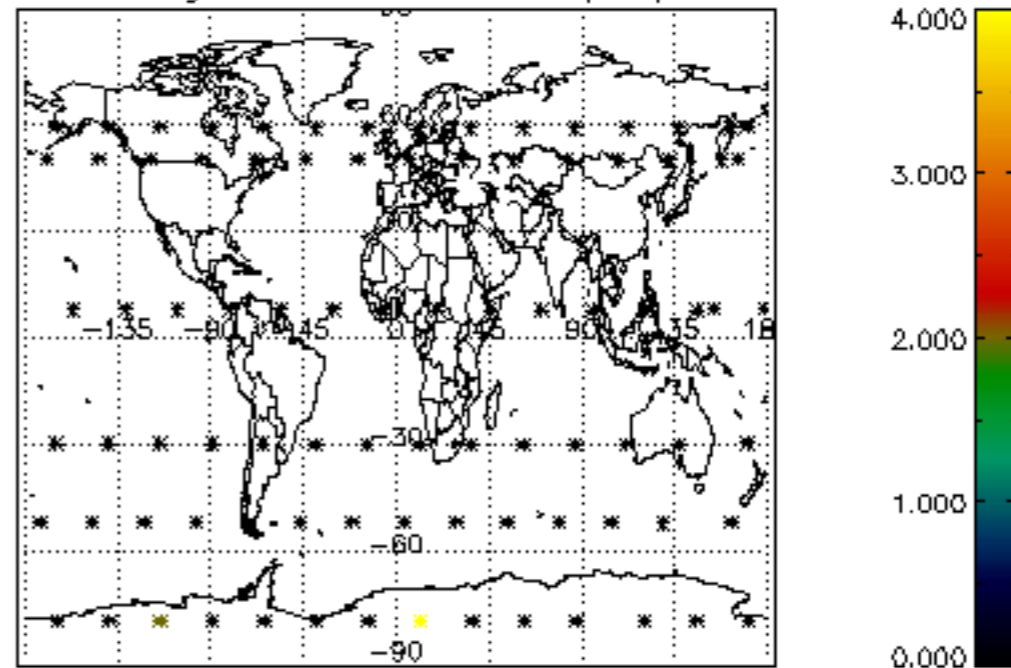
Percentage of datation errors per profile

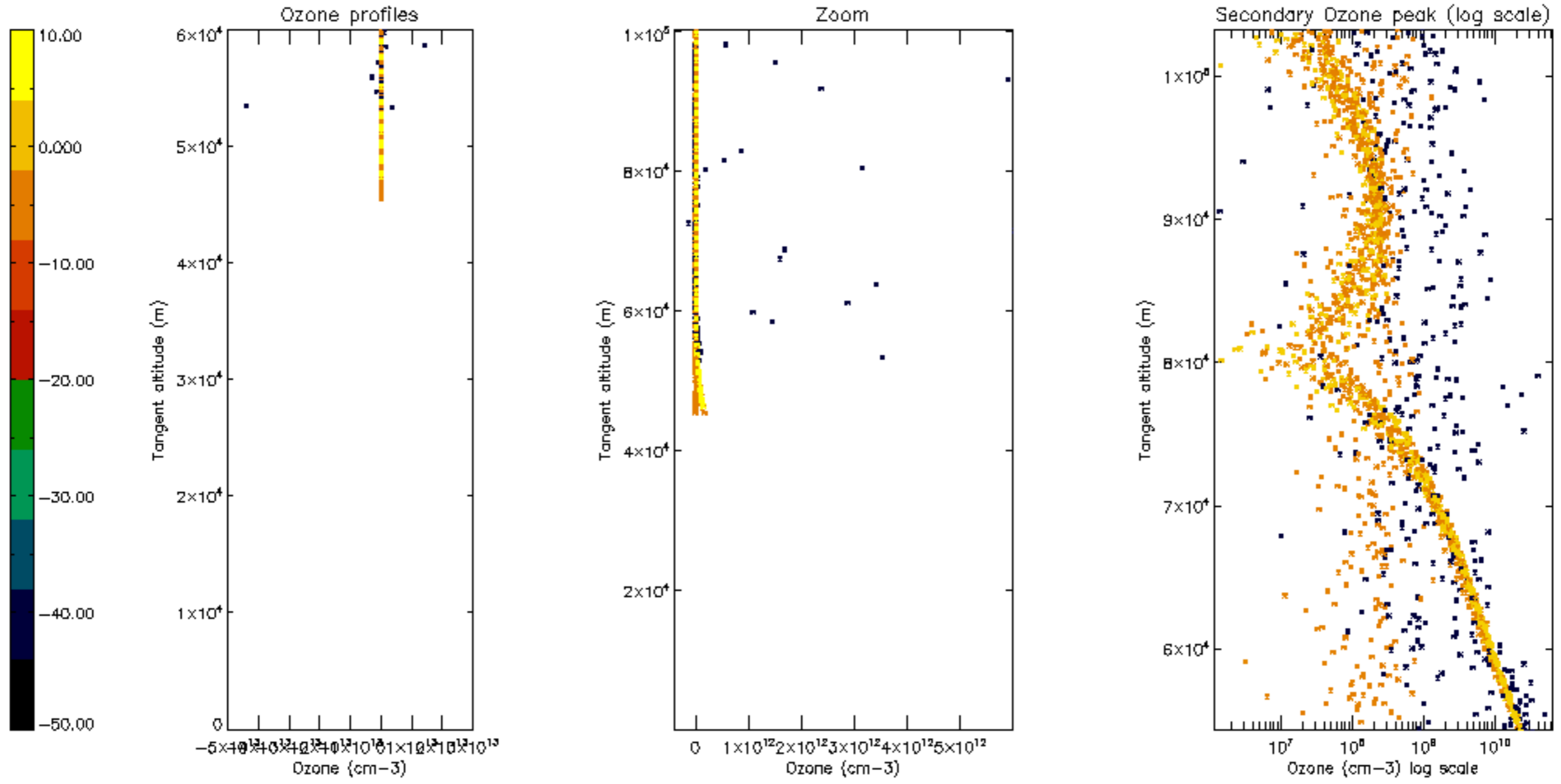


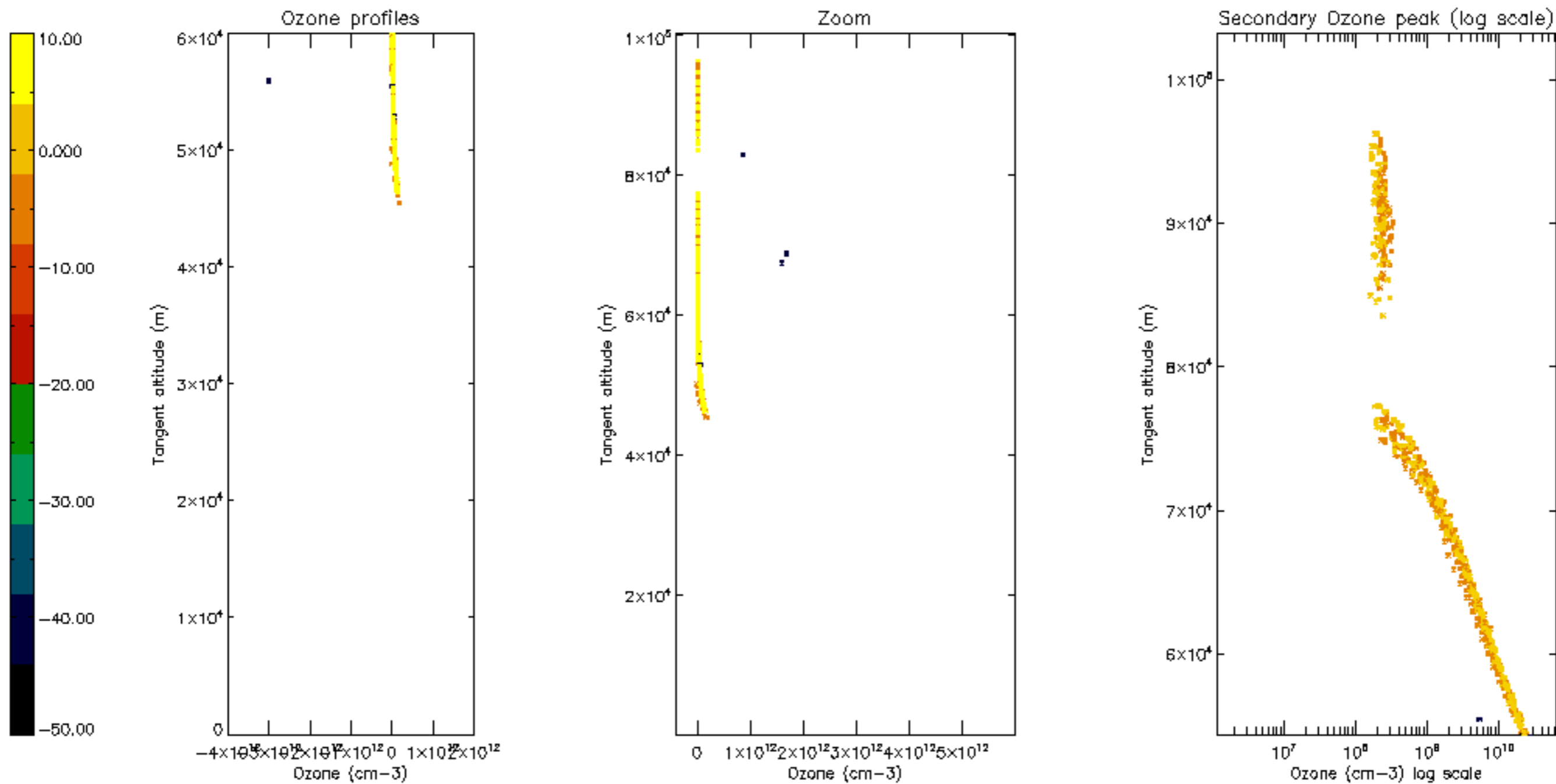
Percentage of star falling outside central band per profile

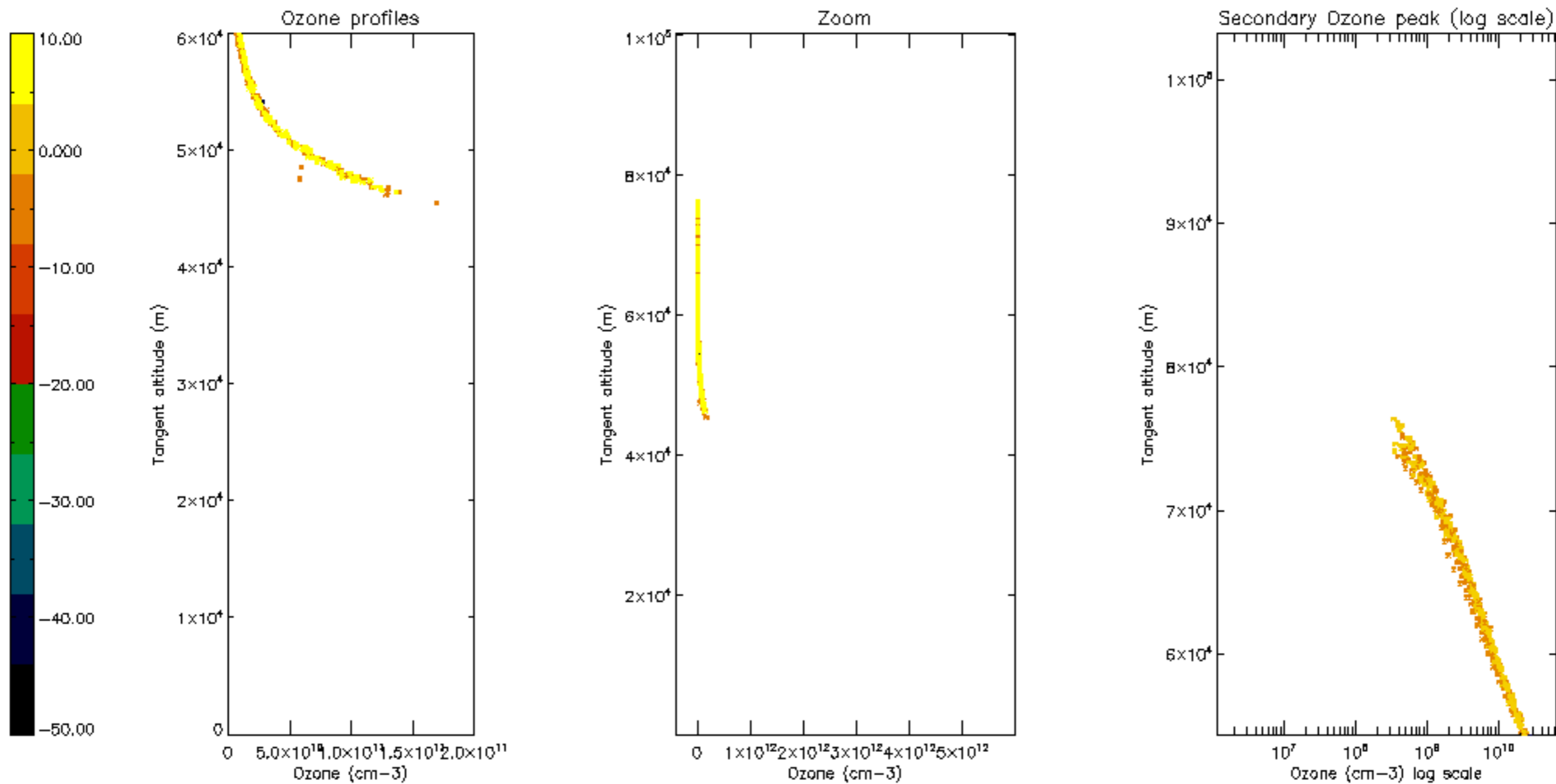


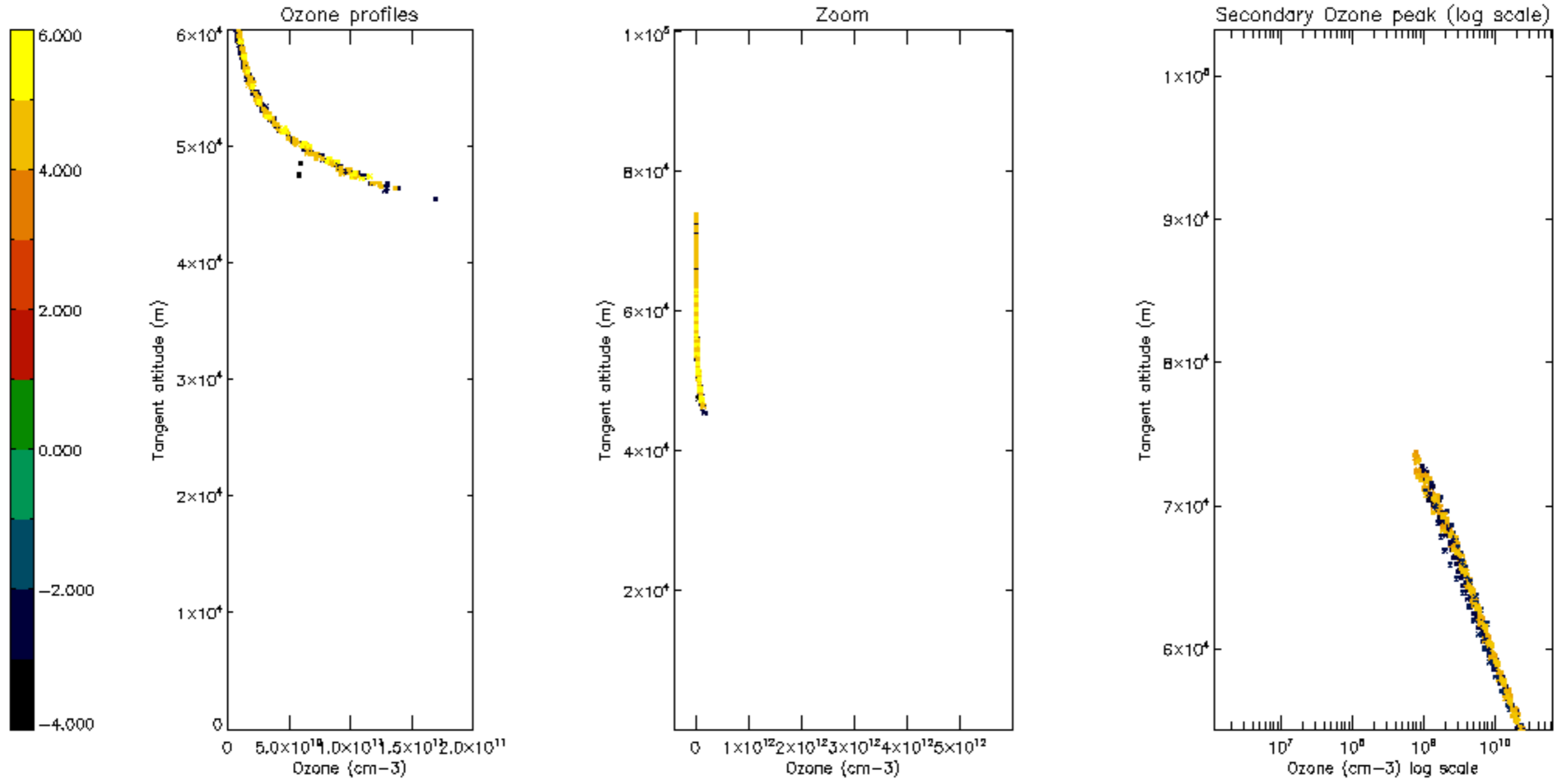
Percentage of saturation errors per profile

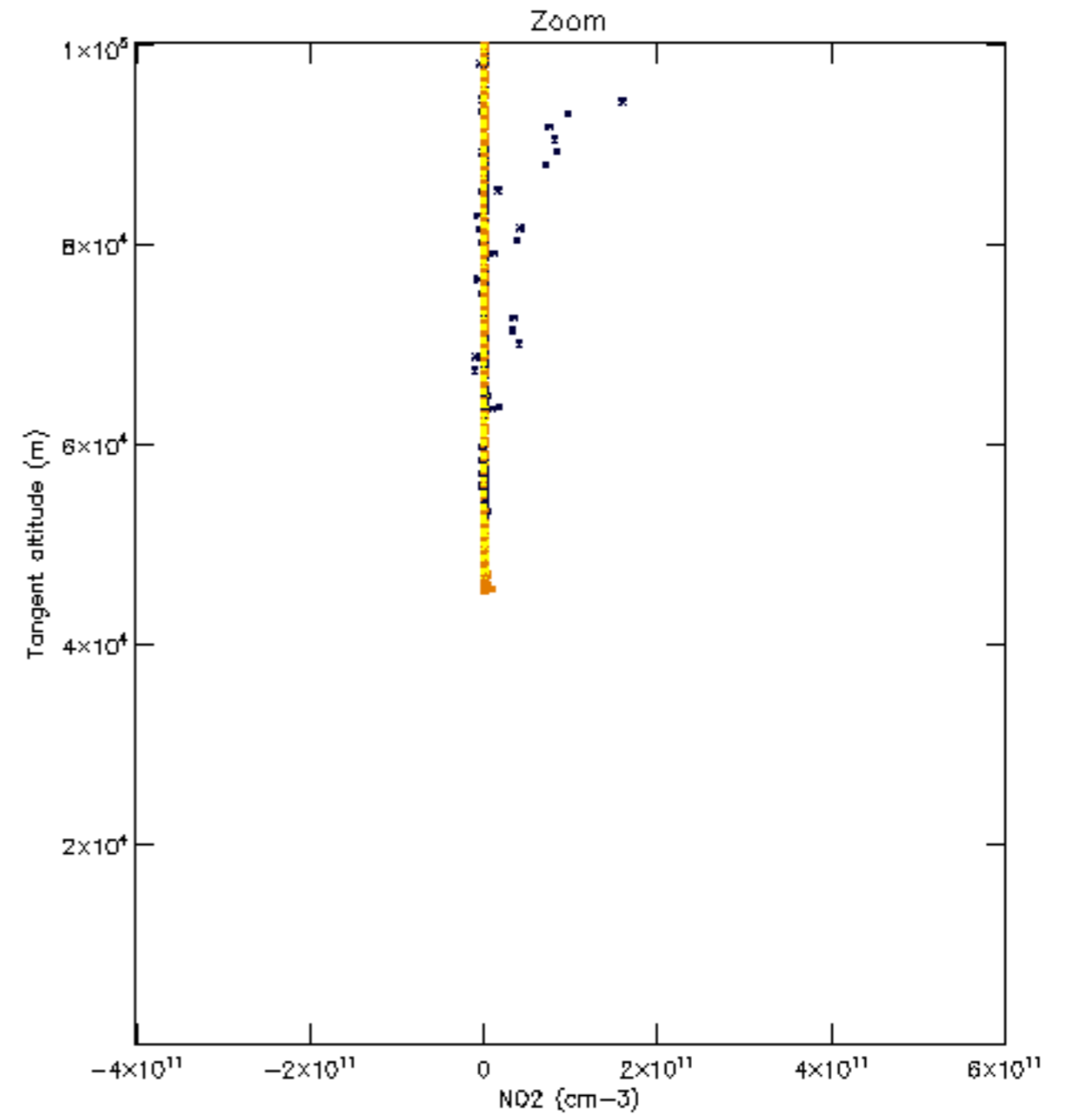
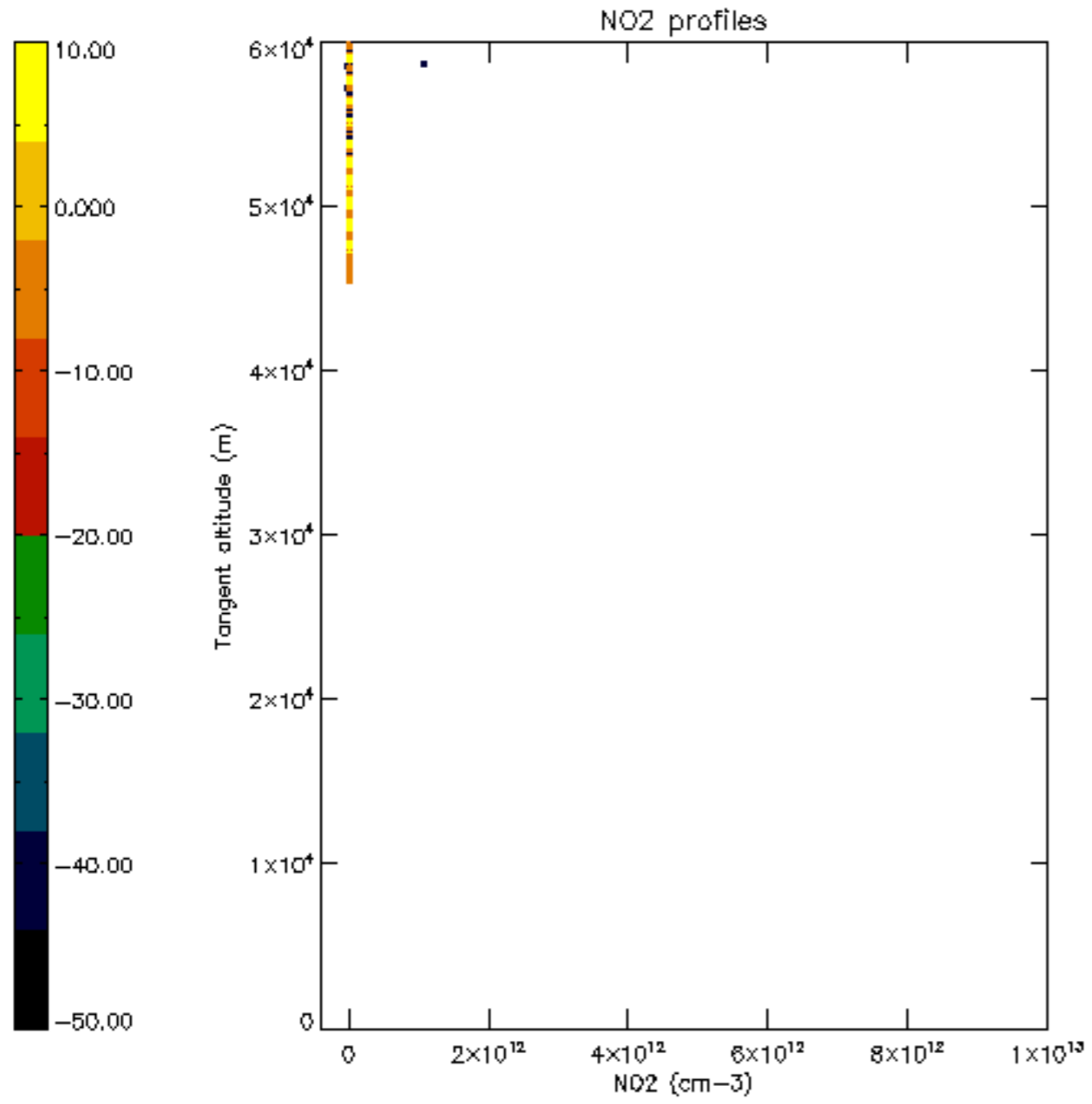


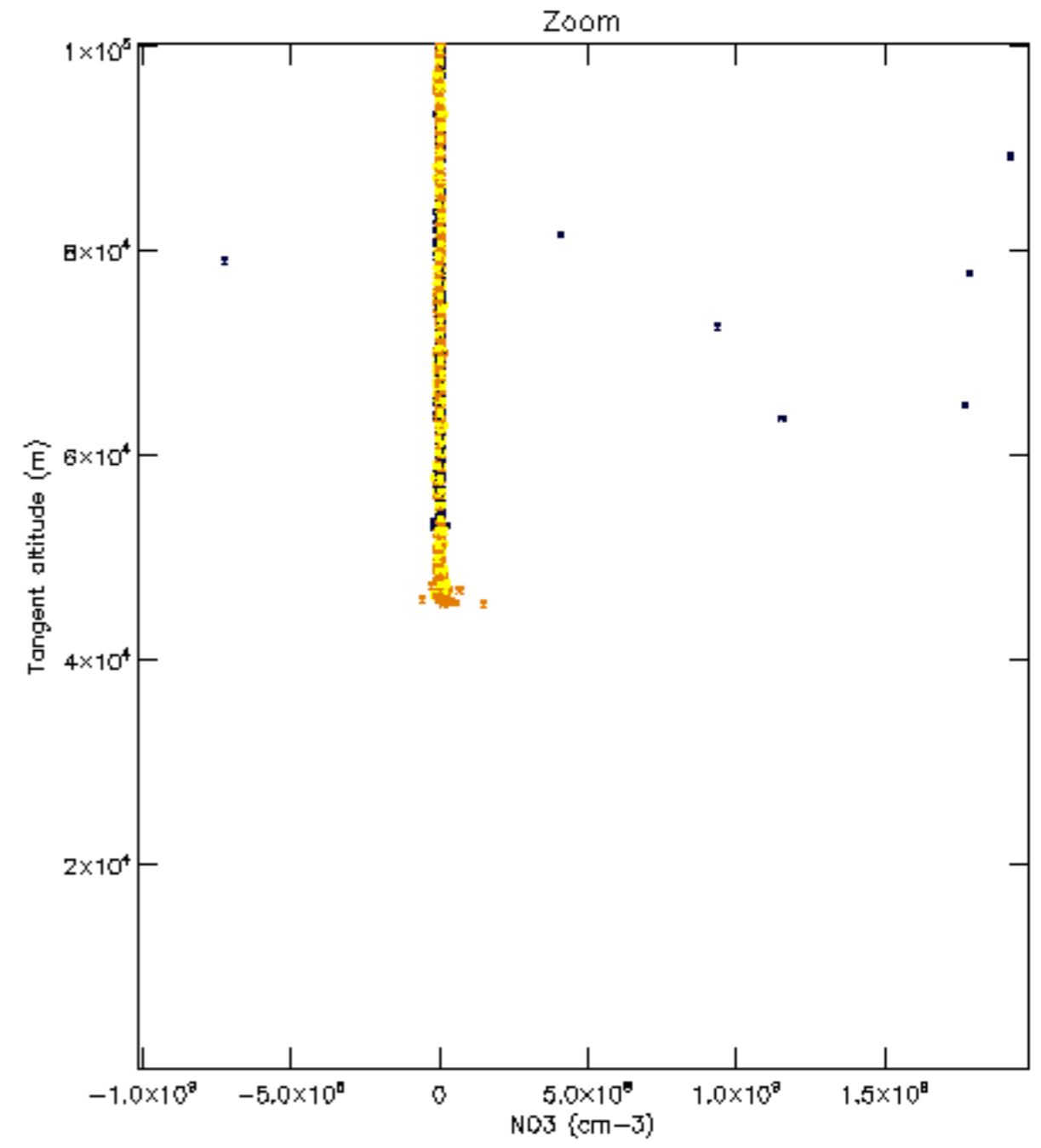
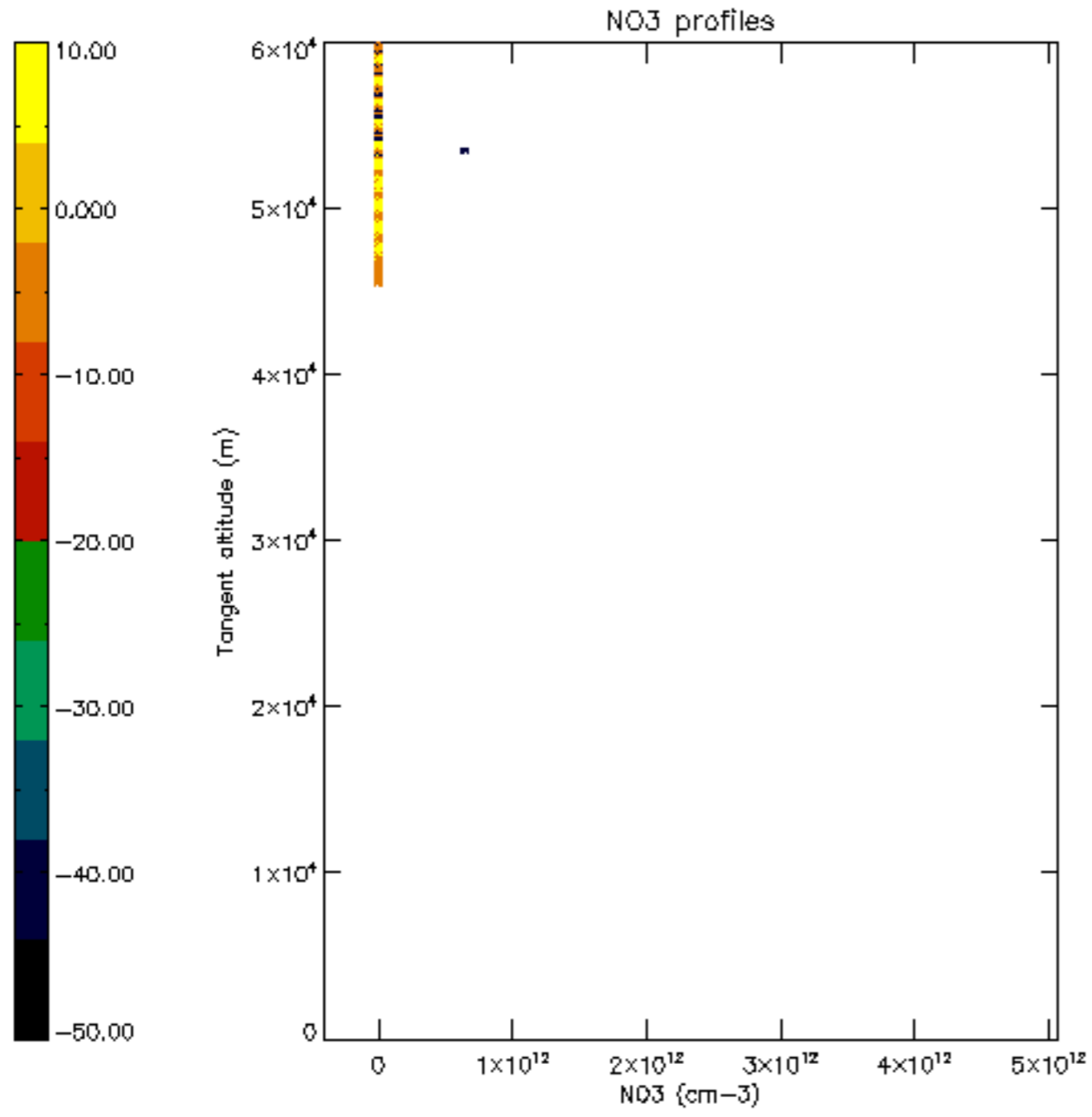


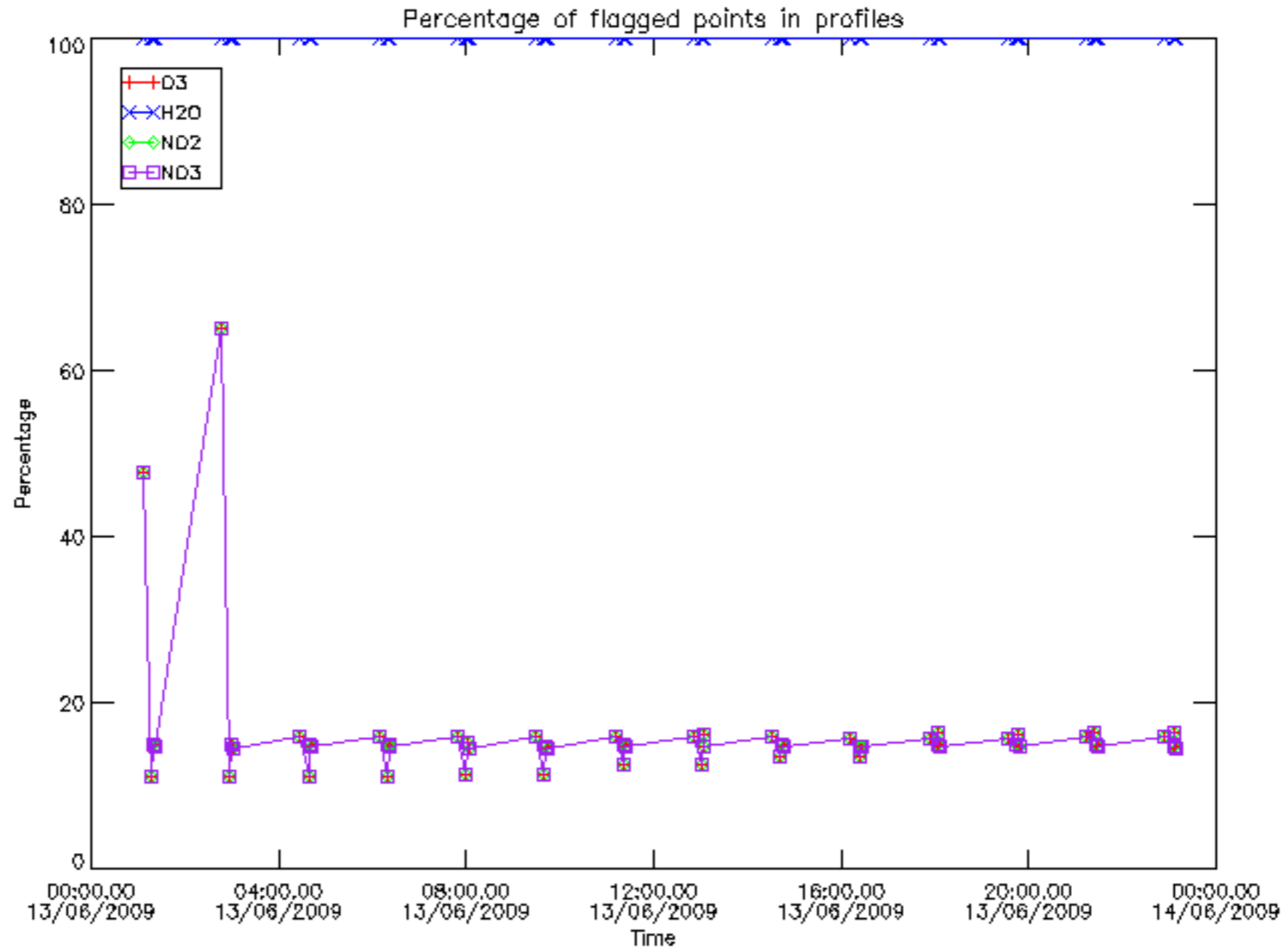




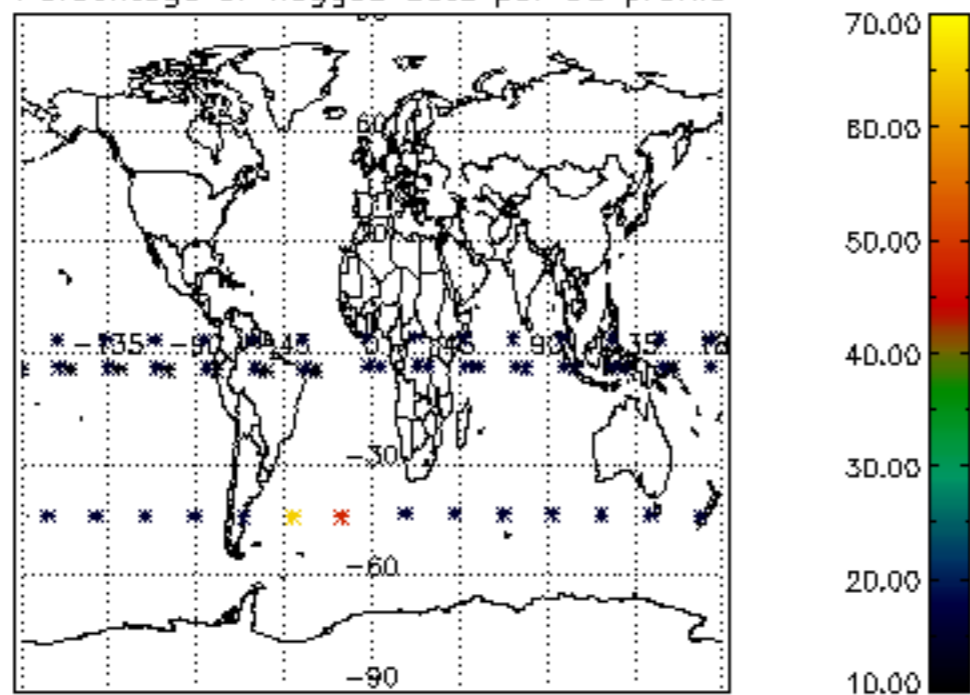




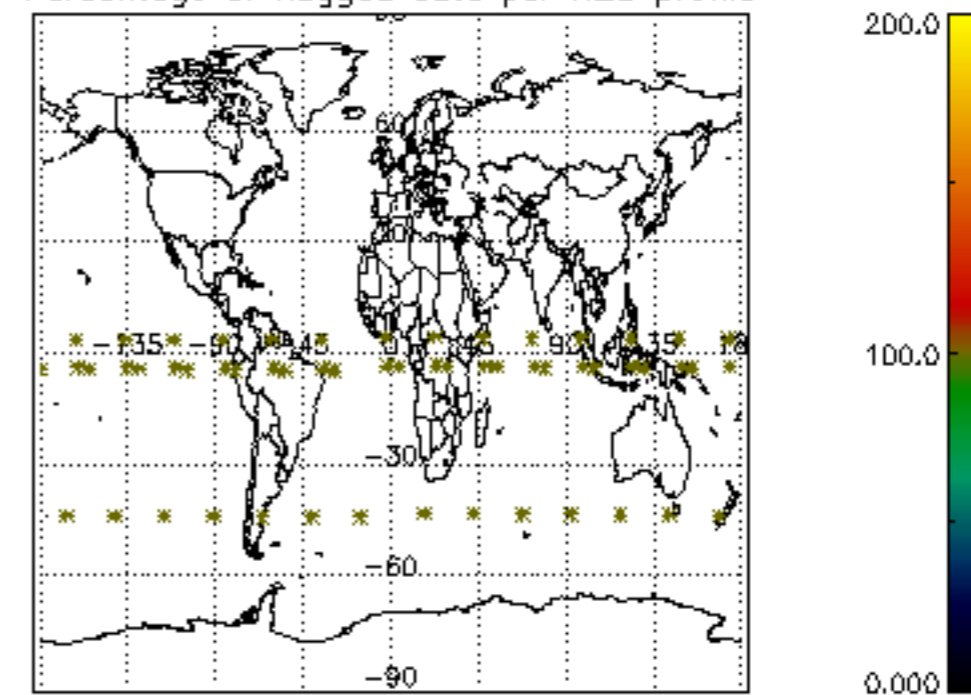




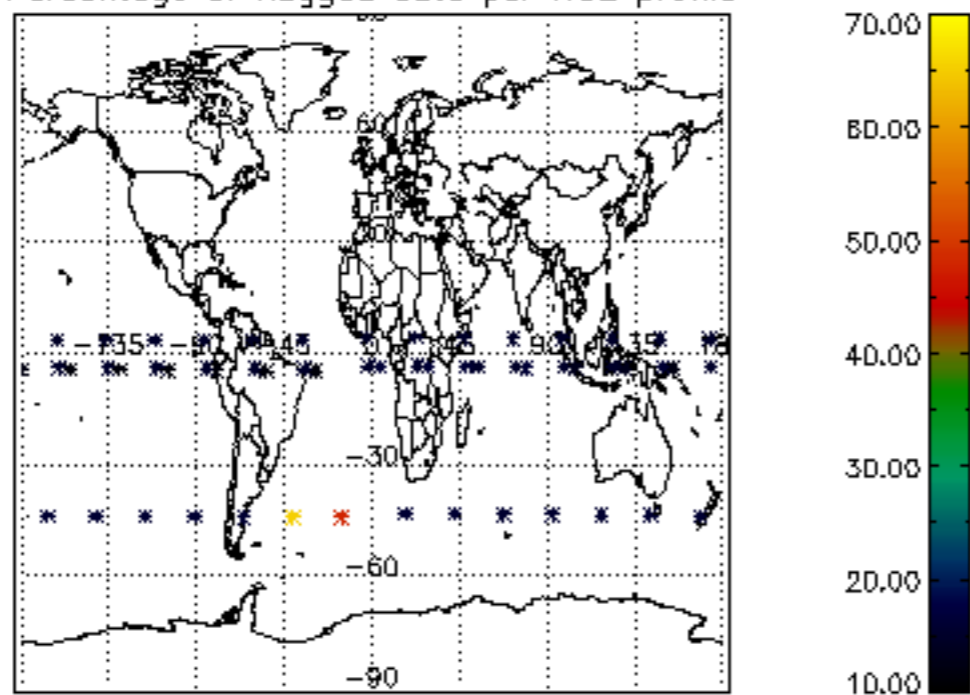
Percentage of flagged data per D3 profile



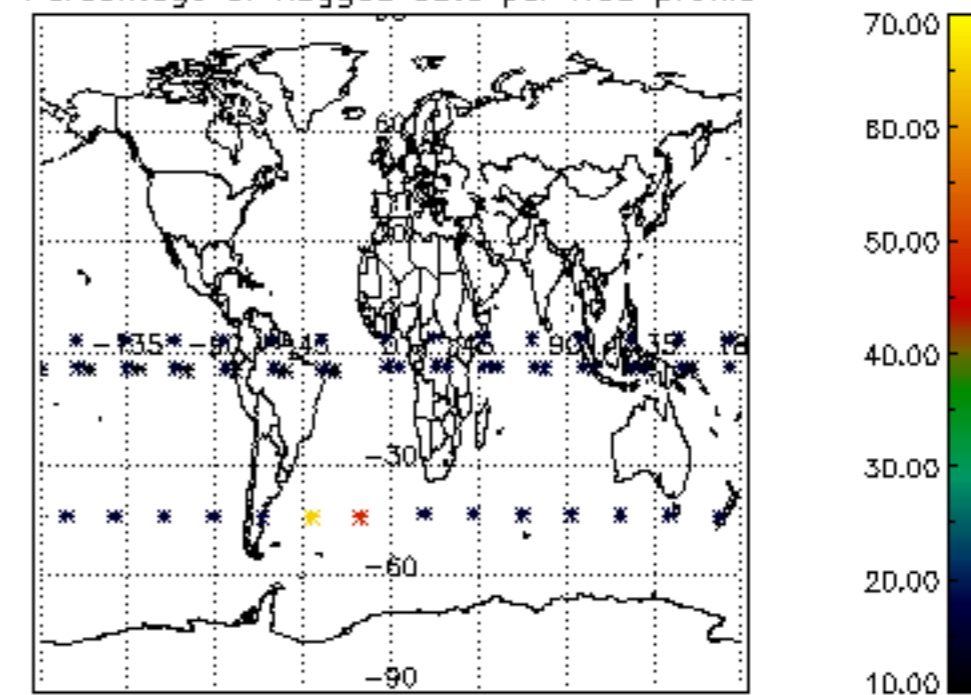
Percentage of flagged data per H2O profile

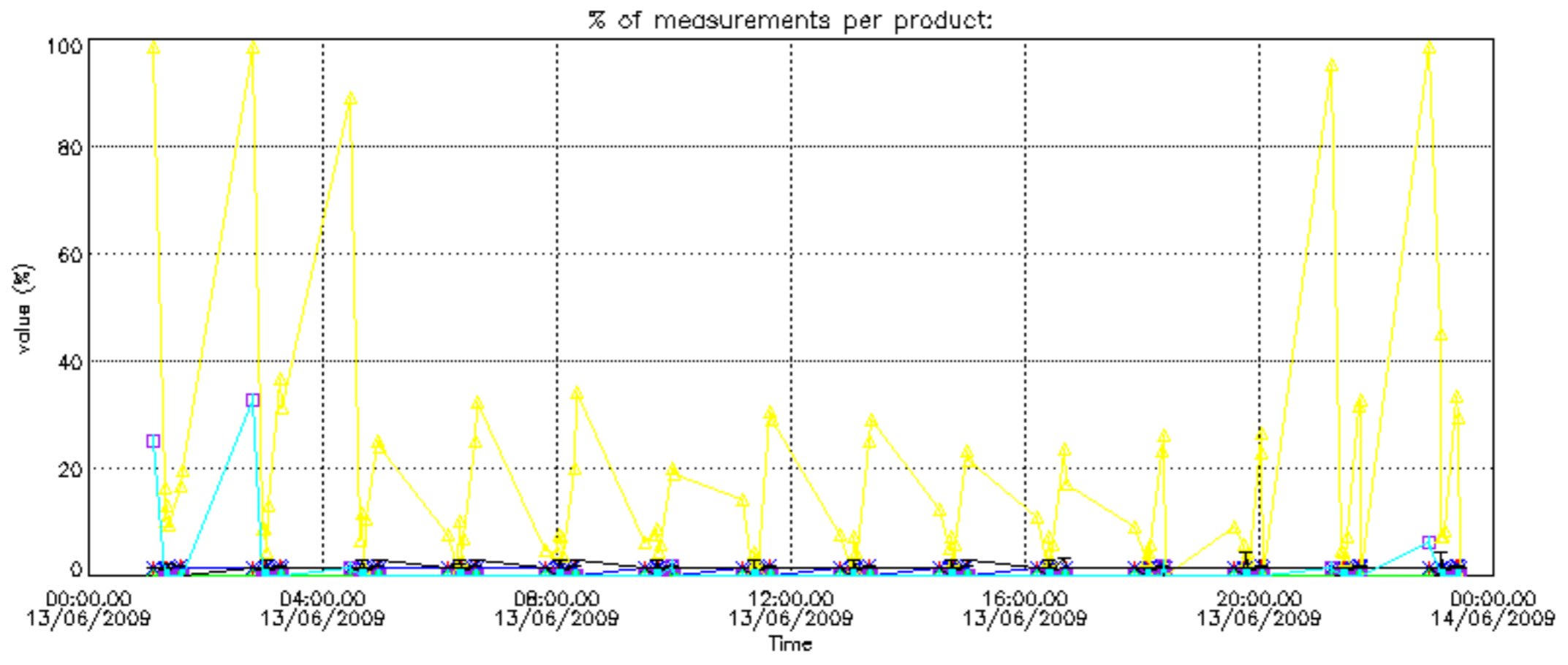


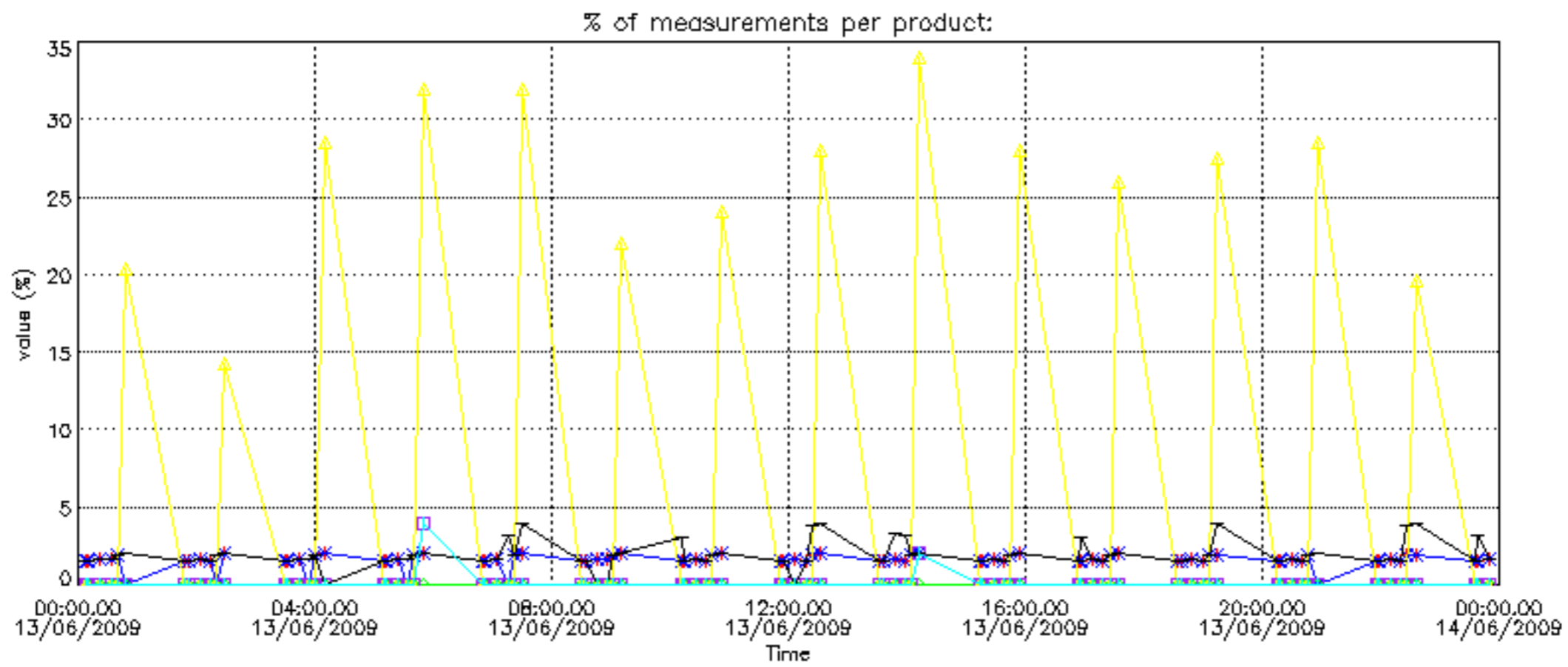
Percentage of flagged data per NO2 profile



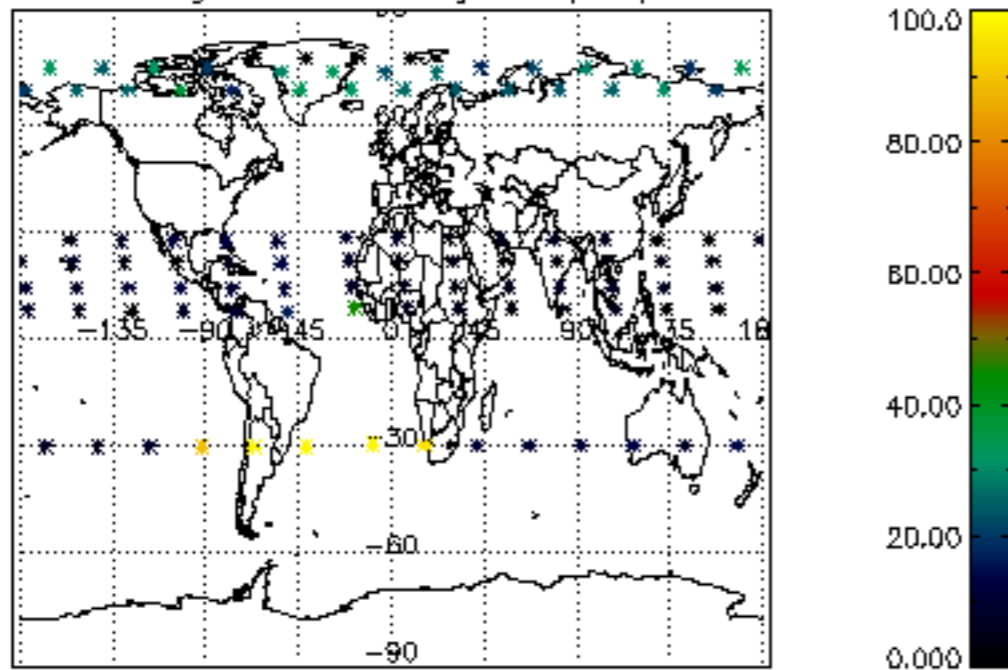
Percentage of flagged data per NO3 profile



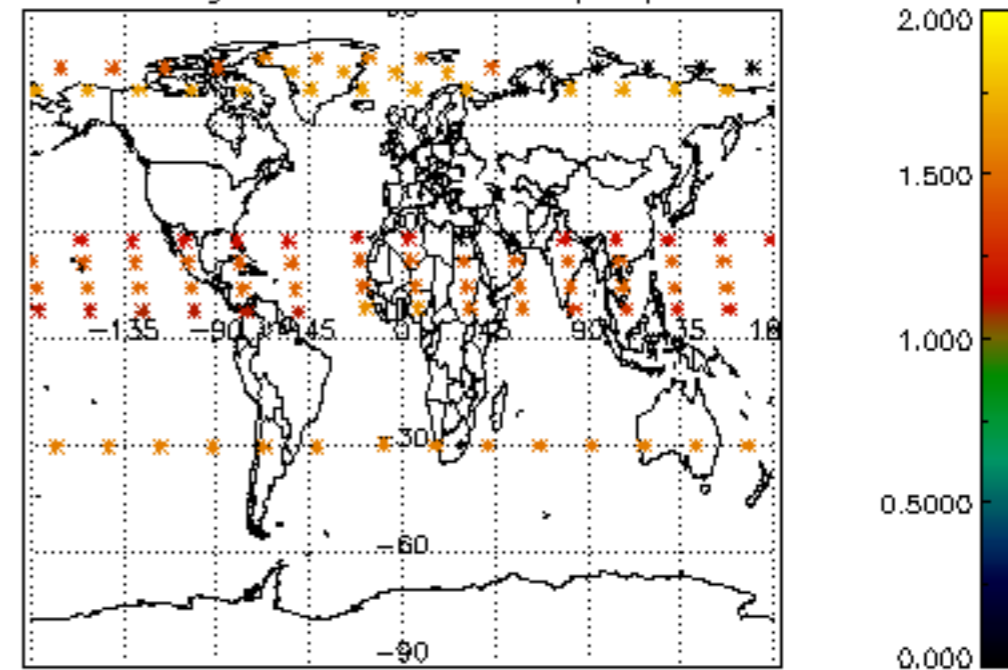




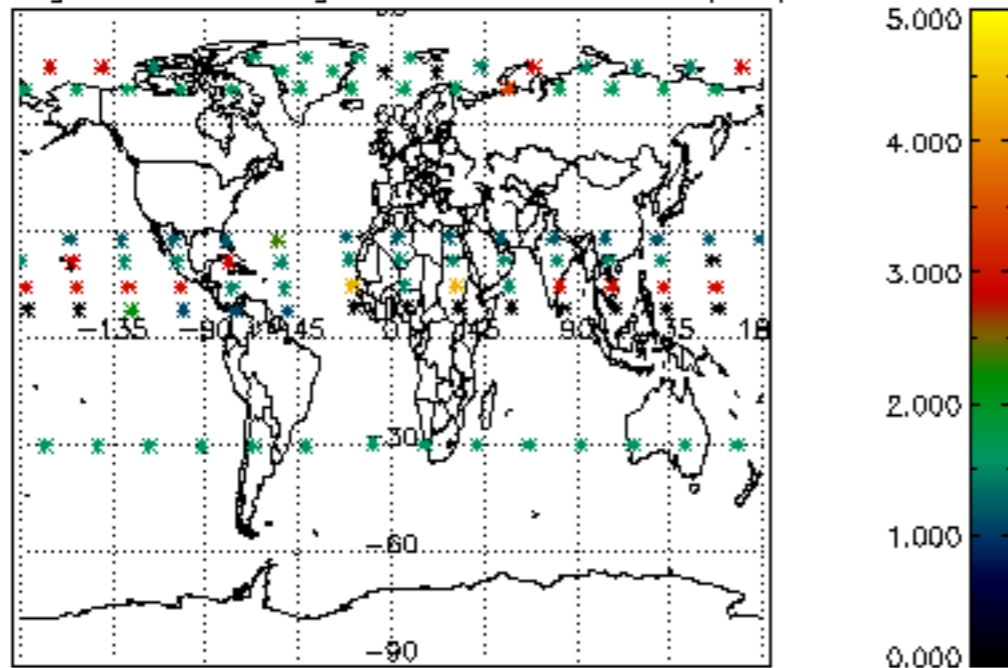
Percentage of cosmic ray hits per profile



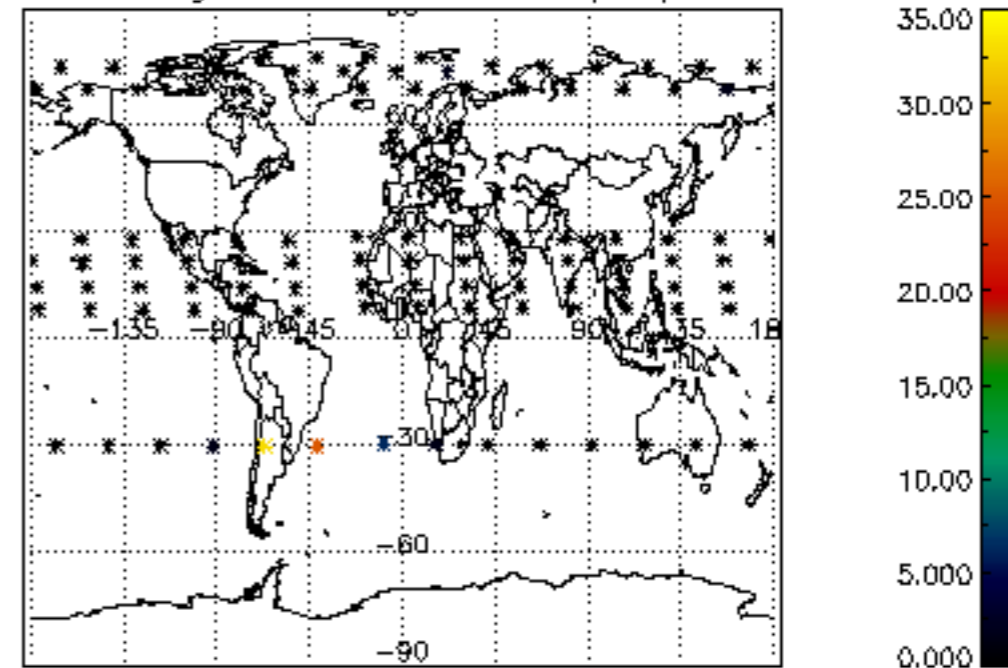
Percentage of datation errors per profile



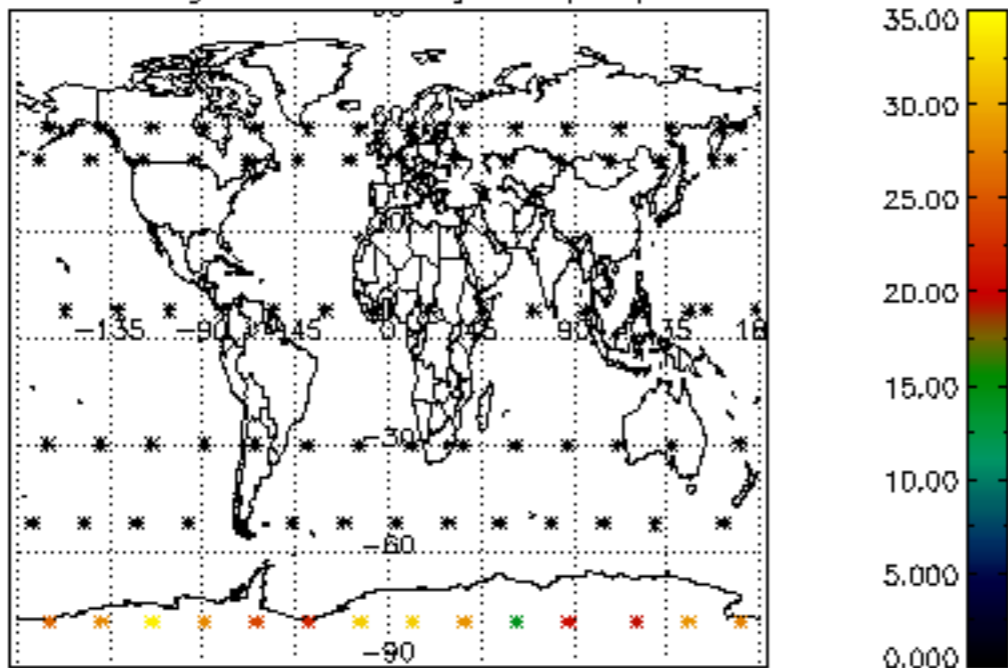
Percentage of star falling outside central band per profile



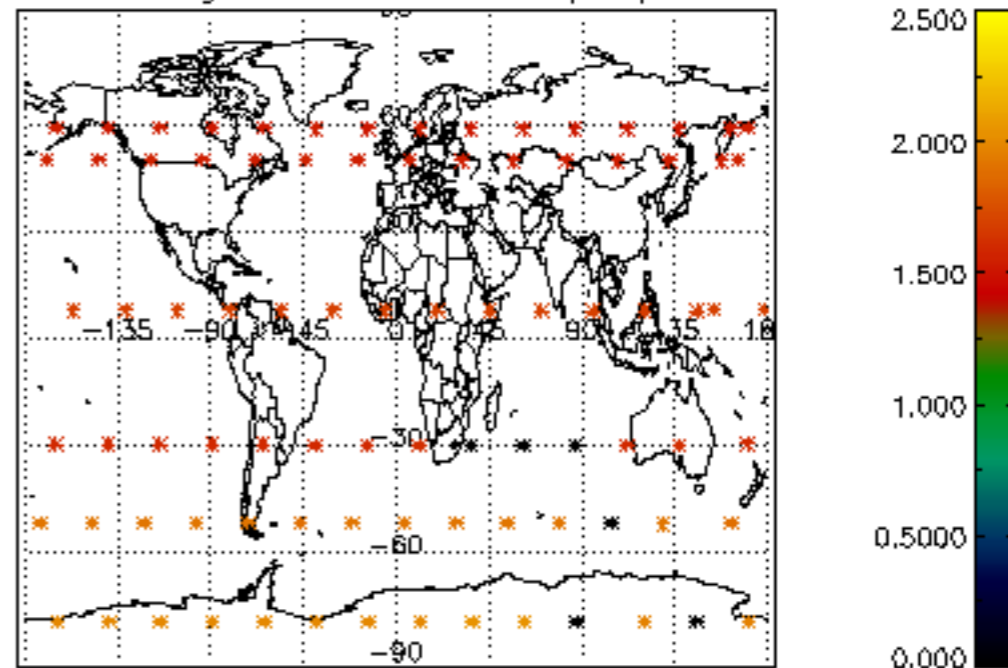
Percentage of saturation errors per profile



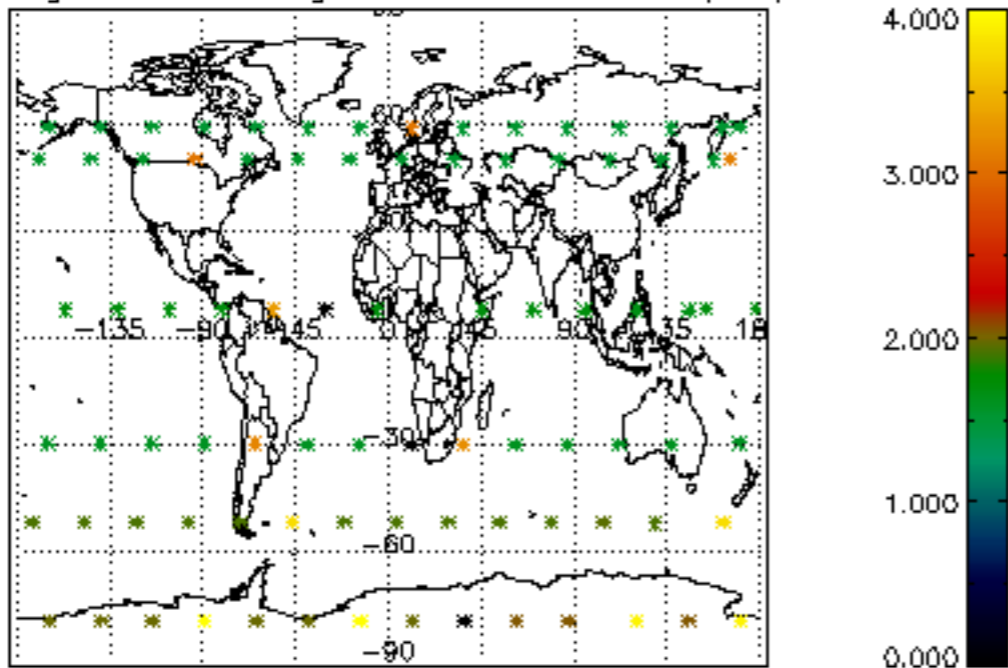
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

