

# 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 | 18APR2013 10:11:09              |
| Data source version       | GOMOS/6.01                      |
| Start time of products    | 27-07-2005 (27JUL2005 00:00:00) |
| Stop time of products     | 28-07-2005 (28JUL2005 00:00:00) |
| Store outputs in DB       | Yes                             |
| Nb of level 2 prods       | 184                             |
| Nb of prods with errors   | 2                               |

## 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__2PRFIN20050727_001525_000000632039_00217_17806_5605.N1 | 27-JUL-2005 00:15:25 | Dark       | 63.000   | 135     | Bet Hyi   | 2.8200   | 5800.0    | 126     | 17806 | No          |
| 2  | GOM_NL__2PRFIN20050727_002328_000000692039_00217_17806_5606.N1 | 27-JUL-2005 00:23:28 | Straylight | 69.000   | 45      | Alp Pav   | 1.9400   | 26000.    | 138     | 17806 | No          |
| 3  | GOM_NL__2PRFIN20050727_003107_000000692039_00217_17806_5607.N1 | 27-JUL-2005 00:31:07 | Bright     | 69.000   | 38      | 20Eps Sgr | 1.8360   | 11000.    | 138     | 17806 | No          |
| 4  | GOM_NL__2PRFIN20050727_003422_000000112039_00217_17806_5608.N1 | 27-JUL-2005 00:34:22 | Dark       | 11.000   | 155     | 41Pi Sgr  | 2.9000   | 6600.0    | 22      | 17806 | Yes         |
| 5  | GOM_NL__2PRFIN20050727_004224_000000652039_00217_17806_5609.N1 | 27-JUL-2005 00:42:24 | Bright     | 64.500   | 126     | 60Bet Oph | 2.7700   | 4250.0    | 129     | 17806 | No          |
| 6  | GOM_NL__2PRFIN20050727_004444_000000652039_00217_17806_5610.N1 | 27-JUL-2005 00:44:44 | Bright     | 65.000   | 59      | 55Alp Oph | 2.0800   | 8900.0    | 130     | 17806 | No          |
| 7  | GOM_NL__2PRFIN20050727_005505_000000642039_00217_17806_5611.N1 | 27-JUL-2005 00:55:05 | Bright     | 63.500   | 69      | 33Gam Dra | 2.2310   | 3800.0    | 127     | 17806 | No          |
| 8  | GOM_NL__2PRFIN20050727_005852_000000632039_00217_17806_5612.N1 | 27-JUL-2005 00:58:52 | Bright     | 63.000   | 119     | 14Eta Dra | 2.7270   | 4700.0    | 126     | 17806 | No          |
| 9  | GOM_NL__2PRFIN20050727_010305_000000592039_00217_17806_5613.N1 | 27-JUL-2005 01:03:05 | Bright     | 59.000   | 60      | 7Bet UMi  | 2.0810   | 3950.0    | 118     | 17806 | No          |
| 10 | GOM_NL__2PRFIN20050727_013208_000000682039_00217_17806_5614.N1 | 27-JUL-2005 01:32:08 | Dark       | 67.500   | 33      | 50Zet Ori | 1.7660   | 30000.    | 135     | 17806 | No          |
| 11 | GOM_NL__2PRFIN20050727_013409_000000652039_00217_17806_5615.N1 | 27-JUL-2005 01:34:09 | Dark       | 64.500   | 56      | 53Kap Ori | 2.0650   | 30000.    | 129     | 17806 | No          |
| 12 | GOM_NL__2PRFIN20050727_013602_000000622039_00217_17806_5616.N1 | 27-JUL-2005 01:36:02 | Dark       | 61.500   | 47      | 2Bet CMa  | 1.9760   | 28000.    | 123     | 17806 | No          |
| 13 | GOM_NL__2PRFIN20050727_015601_000000642039_00218_17807_5606.N1 | 27-JUL-2005 01:56:01 | Dark       | 63.500   | 135     | Bet Hyi   | 2.8200   | 5800.0    | 127     | 17807 | No          |
| 14 | GOM_NL__2PRFIN20050727_020405_000000672039_00218_17807_5607.N1 | 27-JUL-2005 02:04:05 | Straylight | 67.000   | 45      | Alp Pav   | 1.9400   | 26000.    | 134     | 17807 | No          |
| 15 | GOM_NL__2PRFIN20050727_021143_000000652039_00218_17807_5608.N1 | 27-JUL-2005 02:11:43 | Bright     | 65.000   | 38      | 20Eps Sgr | 1.8360   | 11000.    | 130     | 17807 | No          |
| 16 | GOM_NL__2PRFIN20050727_021458_000000112039_00218_17807_5609.N1 | 27-JUL-2005 02:14:58 | Dark       | 11.000   | 155     | 41Pi Sgr  | 2.9000   | 6600.0    | 22      | 17807 | Yes         |
| 17 | GOM_NL__2PRFIN20050727_022300_000000652039_00218_17807_5610.N1 | 27-JUL-2005 02:23:00 | Bright     | 65.000   | 126     | 60Bet Oph | 2.7700   | 4250.0    | 130     | 17807 | No          |
| 18 | GOM_NL__2PRFIN20050727_022520_000000632039_00218_17807_5611.N1 | 27-JUL-2005 02:25:20 | Bright     | 62.500   | 59      | 55Alp Oph | 2.0800   | 8900.0    | 125     | 17807 | No          |
| 19 | GOM_NL__2PRFIN20050727_023541_000000612039_00218_17807_5612.N1 | 27-JUL-2005 02:35:41 | Bright     | 60.500   | 69      | 33Gam Dra | 2.2310   | 3800.0    | 121     | 17807 | No          |
| 20 | GOM_NL__2PRFIN20050727_023928_000000642039_00218_17807_5613.N1 | 27-JUL-2005 02:39:28 | Bright     | 63.500   | 119     | 14Eta Dra | 2.7270   | 4700.0    | 127     | 17807 | No          |
| 21 | GOM_NL__2PRFIN20050727_024341_000000602039_00218_17807_5614.N1 | 27-JUL-2005 02:43:41 | Bright     | 59.500   | 60      | 7Bet UMi  | 2.0810   | 3950.0    | 119     | 17807 | No          |
| 22 | GOM_NL__2PRFIN20050727_031244_000000662039_00218_17807_5615.N1 | 27-JUL-2005 03:12:44 | Dark       | 66.000   | 33      | 50Zet Ori | 1.7660   | 30000.    | 132     | 17807 | No          |
| 23 | GOM_NL__2PRFIN20050727_031446_000000622039_00218_17807_5616.N1 | 27-JUL-2005 03:14:46 | Dark       | 62.000   | 56      | 53Kap Ori | 2.0650   | 30000.    | 124     | 17807 | No          |
| 24 | GOM_NL__2PRFIN20050727_031639_000000612039_00218_17807_5617.N1 | 27-JUL-2005 03:16:39 | Dark       | 60.500   | 47      | 2Bet CMa  | 1.9760   | 28000.    | 121     | 17807 | No          |
| 25 | GOM_NL__2PRFIN20050727_032001_000000622039_00218_17807_5618.N1 | 27-JUL-2005 03:20:01 | Dark       | 61.500   | 177     | 1Zet CMa  | 3.0220   | 26000.    | 123     | 17807 | No          |
| 26 | GOM_NL__2PRFIN20050727_033637_000000652039_00219_17808_5606.N1 | 27-JUL-2005 03:36:37 | Dark       | 65.000   | 135     | Bet Hyi   | 2.8200   | 5800.0    | 130     | 17808 | No          |
| 27 | GOM_NL__2PRFIN20050727_034441_000000662039_00219_17808_5607.N1 | 27-JUL-2005 03:44:41 | Straylight | 66.000   | 45      | Alp Pav   | 1.9400   | 26000.    | 132     | 17808 | No          |
| 28 | GOM_NL__2PRFIN20050727_035219_000000722039_00219_17808_5608.N1 | 27-JUL-2005 03:52:19 | Bright     | 72.000   | 38      | 20Eps Sgr | 1.8360   | 11000.    | 144     | 17808 | No          |
| 29 | GOM_NL__2PRFIN20050727_035534_000000272039_00219_17808_5609.N1 | 27-JUL-2005 03:55:34 | Straylight | 27.000   | 155     | 41Pi Sgr  | 2.9000   | 6600.0    | 54      | 17808 | No          |
| 30 | GOM_NL__2PRFIN20050727_040337_000000632039_00219_17808_5610.N1 | 27-JUL-2005 04:03:37 | Bright     | 62.500   | 126     | 60Bet Oph | 2.7700   | 4250.0    | 125     | 17808 | No          |
| 31 | GOM_NL__2PRFIN20050727_040557_000000652039_00219_17808_5611.N1 | 27-JUL-2005 04:05:57 | Bright     | 64.500   | 59      | 55Alp Oph | 2.0800   | 8900.0    | 129     | 17808 | No          |
| 32 | GOM_NL__2PRFIN20050727_041617_000000632039_00219_17808_5612.N1 | 27-JUL-2005 04:16:17 | Bright     | 62.500   | 69      | 33Gam Dra | 2.2310   | 3800.0    | 125     | 17808 | No          |
| 33 | GOM_NL__2PRFIN20050727_042004_000000612039_00219_17808_5613.N1 | 27-JUL-2005 04:20:04 | Bright     | 61.000   | 119     | 14Eta Dra | 2.7270   | 4700.0    | 122     | 17808 | No          |
| 34 | GOM_NL__2PRFIN20050727_042417_000000642039_00219_17808_5614.N1 | 27-JUL-2005 04:24:17 | Bright     | 63.500   | 60      | 7Bet UMi  | 2.0810   | 3950.0    | 127     | 17808 | No          |
| 35 | GOM_NL__2PRFIN20050727_045321_000000642039_00219_17808_5615.N1 | 27-JUL-2005 04:53:21 | Dark       | 64.000   | 33      | 50Zet Ori | 1.7660   | 30000.    | 128     | 17808 | No          |
| 36 | GOM_NL__2PRFIN20050727_045522_000000632039_00219_17808_5616.N1 | 27-JUL-2005 04:55:22 | Dark       | 62.500   | 56      | 53Kap Ori | 2.0650   | 30000.    | 125     | 17808 | No          |
| 37 | GOM_NL__2PRFIN20050727_045715_000000612039_00219_17808_5617.N1 | 27-JUL-2005 04:57:15 | Dark       | 60.500   | 47      | 2Bet CMa  | 1.9760   | 28000.    | 121     | 17808 | No          |
| 38 | GOM_NL__2PRFIN20050727_050037_000000652039_00219_17808_5618.N1 | 27-JUL-2005 05:00:37 | Dark       | 65.000   | 177     | 1Zet CMa  | 3.0220   | 26000.    | 130     | 17808 | No          |
| 39 | GOM_NL__2PRFIN20050727_051714_000000652039_00220_17809_5606.N1 | 27-JUL-2005 05:17:14 | Dark       | 64.500   | 135     | Bet Hyi   | 2.8200   | 5800.0    | 129     | 17809 | No          |
| 40 | GOM_NL__2PRFIN20050727_052517_000000662039_00220_17809_5607.N1 | 27-JUL-2005 05:25:17 | Straylight | 66.000   | 45      | Alp Pav   | 1.9400   | 26000.    | 132     | 17809 | No          |
| 41 | GOM_NL__2PRFIN20050727_053256_000000672039_00220_17809_5608.N1 | 27-JUL-2005 05:32:56 | Bright     | 67.000   | 38      | 20Eps Sgr | 1.8360   | 11000.    | 134     | 17809 | No          |
| 42 | GOM_NL__2PRFIN20050727_053610_000000272039_00220_17809_5609.N1 | 27-JUL-2005 05:36:10 | Straylight | 27.000   | 155     | 41Pi Sgr  | 2.9000   | 6600.0    | 54      | 17809 | No          |

|     |  |                      |                |        |     |           |        |        |     |       |    |
|-----|--|----------------------|----------------|--------|-----|-----------|--------|--------|-----|-------|----|
| 43  | GOM_NL__2PRFIN20050727_054413_000000652039_00220_17809_5610.N1 | 27-JUL-2005 05:44:13 | Bright         | 65.000 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 130 | 17809 | No |
| 44  | GOM_NL__2PRFIN20050727_054633_000000642039_00220_17809_5611.N1 | 27-JUL-2005 05:46:33 | Bright         | 64.000 | 59  | 55Alp Oph | 2.0800 | 8900.0 | 128 | 17809 | No |
| 45  | GOM_NL__2PRFIN20050727_055653_000000632039_00220_17809_5612.N1 | 27-JUL-2005 05:56:53 | Bright         | 63.000 | 69  | 33Gam Dra | 2.2310 | 3800.0 | 126 | 17809 | No |
| 46  | GOM_NL__2PRFIN20050727_060041_000000632039_00220_17809_5613.N1 | 27-JUL-2005 06:00:41 | Bright         | 63.000 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 126 | 17809 | No |
| 47  | GOM_NL__2PRFIN20050727_060453_000000632039_00220_17809_5614.N1 | 27-JUL-2005 06:04:53 | Bright         | 63.000 | 60  | 7Bet UMi  | 2.0810 | 3950.0 | 126 | 17809 | No |
| 48  | GOM_NL__2PRFIN20050727_063357_000000652039_00220_17809_5615.N1 | 27-JUL-2005 06:33:57 | Dark           | 65.000 | 33  | 50Zet Ori | 1.7660 | 30000. | 130 | 17809 | No |
| 49  | GOM_NL__2PRFIN20050727_063558_000000612039_00220_17809_5616.N1 | 27-JUL-2005 06:35:58 | Dark           | 60.500 | 56  | 53Kap Ori | 2.0650 | 30000. | 121 | 17809 | No |
| 50  | GOM_NL__2PRFIN20050727_063751_000000622039_00220_17809_5617.N1 | 27-JUL-2005 06:37:51 | Dark           | 61.500 | 47  | 2Bet CMa  | 1.9760 | 28000. | 123 | 17809 | No |
| 51  | GOM_NL__2PRFIN20050727_064113_000000632039_00220_17809_5618.N1 | 27-JUL-2005 06:41:13 | Dark           | 63.000 | 177 | 1Zet CMa  | 3.0220 | 26000. | 126 | 17809 | No |
| 52  | GOM_NL__2PRFIN20050727_065750_000000652039_00221_17810_5606.N1 | 27-JUL-2005 06:57:50 | Dark           | 64.500 | 135 | Bet Hyi   | 2.8200 | 5800.0 | 129 | 17810 | No |
| 53  | GOM_NL__2PRFIN20050727_070554_000000662039_00221_17810_5607.N1 | 27-JUL-2005 07:05:54 | Straylight     | 65.500 | 45  | Alp Pav   | 1.9400 | 26000. | 131 | 17810 | No |
| 54  | GOM_NL__2PRFIN20050727_071332_000000682039_00221_17810_5608.N1 | 27-JUL-2005 07:13:32 | Bright         | 68.000 | 38  | 20Eps Sgr | 1.8360 | 11000. | 136 | 17810 | No |
| 55  | GOM_NL__2PRFIN20050727_071646_000000432039_00221_17810_5609.N1 | 27-JUL-2005 07:16:46 | Tw_i_and_stray | 42.500 | 155 | 41Pi Sgr  | 2.9000 | 6600.0 | 85  | 17810 | No |
| 56  | GOM_NL__2PRFIN20050727_072449_000000632039_00221_17810_5610.N1 | 27-JUL-2005 07:24:49 | Bright         | 63.000 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 126 | 17810 | No |
| 57  | GOM_NL__2PRFIN20050727_072709_000000652039_00221_17810_5611.N1 | 27-JUL-2005 07:27:09 | Bright         | 65.000 | 59  | 55Alp Oph | 2.0800 | 8900.0 | 130 | 17810 | No |
| 58  | GOM_NL__2PRFIN20050727_073730_000000642039_00221_17810_5612.N1 | 27-JUL-2005 07:37:30 | Bright         | 63.500 | 69  | 33Gam Dra | 2.2310 | 3800.0 | 127 | 17810 | No |
| 59  | GOM_NL__2PRFIN20050727_074117_000000632039_00221_17810_5613.N1 | 27-JUL-2005 07:41:17 | Bright         | 63.000 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 126 | 17810 | No |
| 60  | GOM_NL__2PRFIN20050727_074530_000000622039_00221_17810_5614.N1 | 27-JUL-2005 07:45:30 | Bright         | 61.500 | 60  | 7Bet UMi  | 2.0810 | 3950.0 | 123 | 17810 | No |
| 61  | GOM_NL__2PRFIN20050727_081433_000000612039_00221_17810_5615.N1 | 27-JUL-2005 08:14:33 | Dark           | 60.500 | 33  | 50Zet Ori | 1.7660 | 30000. | 121 | 17810 | No |
| 62  | GOM_NL__2PRFIN20050727_081634_000000622039_00221_17810_5616.N1 | 27-JUL-2005 08:16:34 | Dark           | 61.500 | 56  | 53Kap Ori | 2.0650 | 30000. | 123 | 17810 | No |
| 63  | GOM_NL__2PRFIN20050727_081827_000000652039_00221_17810_5617.N1 | 27-JUL-2005 08:18:27 | Dark           | 64.500 | 47  | 2Bet CMa  | 1.9760 | 28000. | 129 | 17810 | No |
| 64  | GOM_NL__2PRFIN20050727_082149_000000652039_00221_17810_5618.N1 | 27-JUL-2005 08:21:49 | Dark           | 65.000 | 177 | 1Zet CMa  | 3.0220 | 26000. | 130 | 17810 | No |
| 65  | GOM_NL__2PRFIN20050727_083826_000000652039_00222_17811_5606.N1 | 27-JUL-2005 08:38:26 | Dark           | 64.500 | 135 | Bet Hyi   | 2.8200 | 5800.0 | 129 | 17811 | No |
| 66  | GOM_NL__2PRFIN20050727_084630_000000662039_00222_17811_5607.N1 | 27-JUL-2005 08:46:30 | Straylight     | 65.500 | 45  | Alp Pav   | 1.9400 | 26000. | 131 | 17811 | No |
| 67  | GOM_NL__2PRFIN20050727_085408_000000672039_00222_17811_5608.N1 | 27-JUL-2005 08:54:08 | Bright         | 66.500 | 38  | 20Eps Sgr | 1.8360 | 11000. | 133 | 17811 | No |
| 68  | GOM_NL__2PRFIN20050727_085722_000000432039_00222_17811_5609.N1 | 27-JUL-2005 08:57:22 | Tw_i_and_stray | 42.500 | 155 | 41Pi Sgr  | 2.9000 | 6600.0 | 85  | 17811 | No |
| 69  | GOM_NL__2PRFIN20050727_090525_000000632039_00222_17811_5610.N1 | 27-JUL-2005 09:05:25 | Bright         | 62.500 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 125 | 17811 | No |
| 70  | GOM_NL__2PRFIN20050727_090745_000000662039_00222_17811_5611.N1 | 27-JUL-2005 09:07:45 | Bright         | 65.500 | 59  | 55Alp Oph | 2.0800 | 8900.0 | 131 | 17811 | No |
| 71  | GOM_NL__2PRFIN20050727_091806_000000642039_00222_17811_5612.N1 | 27-JUL-2005 09:18:06 | Bright         | 64.000 | 69  | 33Gam Dra | 2.2310 | 3800.0 | 128 | 17811 | No |
| 72  | GOM_NL__2PRFIN20050727_092153_000000642039_00222_17811_5613.N1 | 27-JUL-2005 09:21:53 | Bright         | 63.500 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 127 | 17811 | No |
| 73  | GOM_NL__2PRFIN20050727_092606_000000612039_00222_17811_5614.N1 | 27-JUL-2005 09:26:06 | Bright         | 60.500 | 60  | 7Bet UMi  | 2.0810 | 3950.0 | 121 | 17811 | No |
| 74  | GOM_NL__2PRFIN20050727_095509_000000612039_00222_17811_5615.N1 | 27-JUL-2005 09:55:09 | Dark           | 61.000 | 33  | 50Zet Ori | 1.7660 | 30000. | 122 | 17811 | No |
| 75  | GOM_NL__2PRFIN20050727_095710_000000612039_00222_17811_5616.N1 | 27-JUL-2005 09:57:10 | Dark           | 60.500 | 56  | 53Kap Ori | 2.0650 | 30000. | 121 | 17811 | No |
| 76  | GOM_NL__2PRFIN20050727_095903_000000652039_00222_17811_5617.N1 | 27-JUL-2005 09:59:03 | Dark           | 65.000 | 47  | 2Bet CMa  | 1.9760 | 28000. | 130 | 17811 | No |
| 77  | GOM_NL__2PRFIN20050727_100226_000000662039_00222_17811_5618.N1 | 27-JUL-2005 10:02:26 | Dark           | 65.500 | 177 | 1Zet CMa  | 3.0220 | 26000. | 131 | 17811 | No |
| 78  | GOM_NL__2PRFIN20050727_101902_000000652039_00223_17812_5626.N1 | 27-JUL-2005 10:19:02 | Dark           | 64.500 | 135 | Bet Hyi   | 2.8200 | 5800.0 | 129 | 17812 | No |
| 79  | GOM_NL__2PRFIN20050727_102706_000000682039_00223_17812_5627.N1 | 27-JUL-2005 10:27:06 | Straylight     | 67.500 | 45  | Alp Pav   | 1.9400 | 26000. | 135 | 17812 | No |
| 80  | GOM_NL__2PRFIN20050727_103444_000000692039_00223_17812_5628.N1 | 27-JUL-2005 10:34:44 | Bright         | 68.500 | 38  | 20Eps Sgr | 1.8360 | 11000. | 137 | 17812 | No |
| 81  | GOM_NL__2PRFIN20050727_103758_000000592039_00223_17812_5629.N1 | 27-JUL-2005 10:37:58 | Bright         | 58.500 | 155 | 41Pi Sgr  | 2.9000 | 6600.0 | 117 | 17812 | No |
| 82  | GOM_NL__2PRFIN20050727_104601_000000632039_00223_17812_5630.N1 | 27-JUL-2005 10:46:01 | Bright         | 62.500 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 125 | 17812 | No |
| 83  | GOM_NL__2PRFIN20050727_104821_000000652039_00223_17812_5631.N1 | 27-JUL-2005 10:48:21 | Bright         | 64.500 | 59  | 55Alp Oph | 2.0800 | 8900.0 | 129 | 17812 | No |
| 84  | GOM_NL__2PRFIN20050727_105841_000000662039_00223_17812_5632.N1 | 27-JUL-2005 10:58:41 | Bright         | 65.500 | 69  | 33Gam Dra | 2.2310 | 3800.0 | 131 | 17812 | No |
| 85  | GOM_NL__2PRFIN20050727_110229_000000632039_00223_17812_5633.N1 | 27-JUL-2005 11:02:29 | Bright         | 63.000 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 126 | 17812 | No |
| 86  | GOM_NL__2PRFIN20050727_110642_000000792039_00223_17812_5634.N1 | 27-JUL-2005 11:06:42 | Bright         | 79.000 | 60  | 7Bet UMi  | 2.0810 | 3950.0 | 158 | 17812 | No |
| 87  | GOM_NL__2PRFIN20050727_113545_000000612039_00223_17812_5635.N1 | 27-JUL-2005 11:35:45 | Dark           | 61.000 | 33  | 50Zet Ori | 1.7660 | 30000. | 122 | 17812 | No |
| 88  | GOM_NL__2PRFIN20050727_113746_000000612039_00223_17812_5636.N1 | 27-JUL-2005 11:37:46 | Dark           | 61.000 | 56  | 53Kap Ori | 2.0650 | 30000. | 122 | 17812 | No |
| 89  | GOM_NL__2PRFIN20050727_113939_000000672039_00223_17812_5637.N1 | 27-JUL-2005 11:39:39 | Dark           | 66.500 | 47  | 2Bet CMa  | 1.9760 | 28000. | 133 | 17812 | No |
| 90  | GOM_NL__2PRFIN20050727_114301_000000652039_00223_17812_5638.N1 | 27-JUL-2005 11:43:01 | Dark           | 65.000 | 177 | 1Zet CMa  | 3.0220 | 26000. | 130 | 17812 | No |
| 91  | GOM_NL__2PRFIN20050727_115938_000000642039_00224_17813_5626.N1 | 27-JUL-2005 11:59:38 | Dark           | 63.500 | 135 | Bet Hyi   | 2.8200 | 5800.0 | 127 | 17813 | No |
| 92  | GOM_NL__2PRFIN20050727_120742_000000662039_00224_17813_5627.N1 | 27-JUL-2005 12:07:42 | Straylight     | 65.500 | 45  | Alp Pav   | 1.9400 | 26000. | 131 | 17813 | No |
| 93  | GOM_NL__2PRFIN20050727_121520_000000672039_00224_17813_5628.N1 | 27-JUL-2005 12:15:20 | Bright         | 66.500 | 38  | 20Eps Sgr | 1.8360 | 11000. | 133 | 17813 | No |
| 94  | GOM_NL__2PRFIN20050727_121834_000000592039_00224_17813_5629.N1 | 27-JUL-2005 12:18:34 | Bright         | 59.000 | 155 | 41Pi Sgr  | 2.9000 | 6600.0 | 118 | 17813 | No |
| 95  | GOM_NL__2PRFIN20050727_122637_000000652039_00224_17813_5630.N1 | 27-JUL-2005 12:26:37 | Bright         | 65.000 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 130 | 17813 | No |
| 96  | GOM_NL__2PRFIN20050727_122857_000000652039_00224_17813_5631.N1 | 27-JUL-2005 12:28:57 | Bright         | 65.000 | 59  | 55Alp Oph | 2.0800 | 8900.0 | 130 | 17813 | No |
| 97  | GOM_NL__2PRFIN20050727_123917_000000662039_00224_17813_5632.N1 | 27-JUL-2005 12:39:17 | Bright         | 66.000 | 69  | 33Gam Dra | 2.2310 | 3800.0 | 132 | 17813 | No |
| 98  | GOM_NL__2PRFIN20050727_124305_000000642039_00224_17813_5633.N1 | 27-JUL-2005 12:43:05 | Bright         | 63.500 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 127 | 17813 | No |
| 99  | GOM_NL__2PRFIN20050727_124718_000000792039_00224_17813_5634.N1 | 27-JUL-2005 12:47:18 | Bright         | 79.000 | 60  | 7Bet UMi  | 2.0810 | 3950.0 | 158 | 17813 | No |
| 100 | GOM_NL__2PRFIN20050727_131622_000000612039_00224_17813_5635.N1 | 27-JUL-2005 13:16:22 | Dark           | 61.000 | 33  | 50Zet Ori | 1.7660 | 30000. | 122 | 17813 | No |
| 101 | GOM_NL__2PRFIN20050727_131823_000000642039_00224_17813_5636.N1 | 27-JUL-2005 13:18:23 | Dark           | 64.000 | 56  | 53Kap Ori | 2.0650 | 30000. | 128 | 17813 | No |

|     |  |                      |            |        |     |           |        |        |     |       |    |
|-----|--|----------------------|------------|--------|-----|-----------|--------|--------|-----|-------|----|
| 102 | GOM_NL__2PRFIN20050727_132015_000000662039_00224_17813_5637.N1 | 27-JUL-2005 13:20:15 | Dark       | 66.000 | 47  | 2Bet CMa  | 1.9760 | 28000. | 132 | 17813 | No |
| 103 | GOM_NL__2PRFIN20050727_132337_000000642039_00224_17813_5638.N1 | 27-JUL-2005 13:23:37 | Dark       | 63.500 | 177 | 1Zet CMa  | 3.0220 | 26000. | 127 | 17813 | No |
| 104 | GOM_NL__2PRFIN20050727_134014_000000642039_00225_17814_5626.N1 | 27-JUL-2005 13:40:14 | Dark       | 64.000 | 135 | Bet Hyi   | 2.8200 | 5800.0 | 128 | 17814 | No |
| 105 | GOM_NL__2PRFIN20050727_134818_000000672039_00225_17814_5627.N1 | 27-JUL-2005 13:48:18 | Straylight | 66.500 | 45  | Alp Pav   | 1.9400 | 26000. | 133 | 17814 | No |
| 106 | GOM_NL__2PRFIN20050727_135556_000000682039_00225_17814_5628.N1 | 27-JUL-2005 13:55:56 | Bright     | 67.500 | 38  | 20Eps Sgr | 1.8360 | 11000. | 135 | 17814 | No |
| 107 | GOM_NL__2PRFIN20050727_135910_000000632039_00225_17814_5629.N1 | 27-JUL-2005 13:59:10 | Bright     | 62.500 | 155 | 41Pi Sgr  | 2.9000 | 6600.0 | 125 | 17814 | No |
| 108 | GOM_NL__2PRFIN20050727_140713_000000642039_00225_17814_5630.N1 | 27-JUL-2005 14:07:13 | Bright     | 64.000 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 128 | 17814 | No |
| 109 | GOM_NL__2PRFIN20050727_140934_000000652039_00225_17814_5631.N1 | 27-JUL-2005 14:09:34 | Bright     | 64.500 | 59  | 55Alp Oph | 2.0800 | 8900.0 | 129 | 17814 | No |
| 110 | GOM_NL__2PRFIN20050727_141953_000000642039_00225_17814_5632.N1 | 27-JUL-2005 14:19:53 | Bright     | 64.000 | 69  | 33Gam Dra | 2.2310 | 3800.0 | 128 | 17814 | No |
| 111 | GOM_NL__2PRFIN20050727_142342_000000642039_00225_17814_5633.N1 | 27-JUL-2005 14:23:42 | Bright     | 64.000 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 128 | 17814 | No |
| 112 | GOM_NL__2PRFIN20050727_142754_000000792039_00225_17814_5634.N1 | 27-JUL-2005 14:27:54 | Bright     | 79.000 | 60  | 7Bet UMi  | 2.0810 | 3950.0 | 158 | 17814 | No |
| 113 | GOM_NL__2PRFIN20050727_145658_000000622039_00225_17814_5635.N1 | 27-JUL-2005 14:56:58 | Dark       | 62.000 | 33  | 50Zet Ori | 1.7660 | 30000. | 124 | 17814 | No |
| 114 | GOM_NL__2PRFIN20050727_145859_000000682039_00225_17814_5636.N1 | 27-JUL-2005 14:58:59 | Dark       | 68.000 | 56  | 53Kap Ori | 2.0650 | 30000. | 136 | 17814 | No |
| 115 | GOM_NL__2PRFIN20050727_150051_000000652039_00225_17814_5637.N1 | 27-JUL-2005 15:00:51 | Dark       | 65.000 | 47  | 2Bet CMa  | 1.9760 | 28000. | 130 | 17814 | No |
| 116 | GOM_NL__2PRFIN20050727_150413_000000652039_00225_17814_5638.N1 | 27-JUL-2005 15:04:13 | Dark       | 64.500 | 177 | 1Zet CMa  | 3.0220 | 26000. | 129 | 17814 | No |
| 117 | GOM_NL__2PRFIN20050727_152051_000000632039_00226_17815_5627.N1 | 27-JUL-2005 15:20:51 | Dark       | 62.500 | 135 | Bet Hyi   | 2.8200 | 5800.0 | 125 | 17815 | No |
| 118 | GOM_NL__2PRFIN20050727_152854_000000672039_00226_17815_5628.N1 | 27-JUL-2005 15:28:54 | Straylight | 67.000 | 45  | Alp Pav   | 1.9400 | 26000. | 134 | 17815 | No |
| 119 | GOM_NL__2PRFIN20050727_153632_000000672039_00226_17815_5629.N1 | 27-JUL-2005 15:36:32 | Bright     | 67.000 | 38  | 20Eps Sgr | 1.8360 | 11000. | 134 | 17815 | No |
| 120 | GOM_NL__2PRFIN20050727_153946_000000652039_00226_17815_5630.N1 | 27-JUL-2005 15:39:46 | Bright     | 65.000 | 155 | 41Pi Sgr  | 2.9000 | 6600.0 | 130 | 17815 | No |
| 121 | GOM_NL__2PRFIN20050727_154749_000000622039_00226_17815_5631.N1 | 27-JUL-2005 15:47:49 | Bright     | 62.000 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 124 | 17815 | No |
| 122 | GOM_NL__2PRFIN20050727_155010_000000632039_00226_17815_5632.N1 | 27-JUL-2005 15:50:10 | Bright     | 62.500 | 59  | 55Alp Oph | 2.0800 | 8900.0 | 125 | 17815 | No |
| 123 | GOM_NL__2PRFIN20050727_160029_000000622039_00226_17815_5633.N1 | 27-JUL-2005 16:00:29 | Bright     | 61.500 | 69  | 33Gam Dra | 2.2310 | 3800.0 | 123 | 17815 | No |
| 124 | GOM_NL__2PRFIN20050727_160418_000000652039_00226_17815_5634.N1 | 27-JUL-2005 16:04:18 | Bright     | 64.500 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 129 | 17815 | No |
| 125 | GOM_NL__2PRFIN20050727_160830_000000642039_00226_17815_5635.N1 | 27-JUL-2005 16:08:30 | Bright     | 63.500 | 60  | 7Bet UMi  | 2.0810 | 3950.0 | 127 | 17815 | No |
| 126 | GOM_NL__2PRFIN20050727_163734_000000682039_00226_17815_5636.N1 | 27-JUL-2005 16:37:34 | Dark       | 67.500 | 33  | 50Zet Ori | 1.7660 | 30000. | 135 | 17815 | No |
| 127 | GOM_NL__2PRFIN20050727_163935_000000652039_00226_17815_5637.N1 | 27-JUL-2005 16:39:35 | Dark       | 65.000 | 56  | 53Kap Ori | 2.0650 | 30000. | 130 | 17815 | No |
| 128 | GOM_NL__2PRFIN20050727_164127_000000672039_00226_17815_5638.N1 | 27-JUL-2005 16:41:27 | Dark       | 67.000 | 47  | 2Bet CMa  | 1.9760 | 28000. | 134 | 17815 | No |
| 129 | GOM_NL__2PRFIN20050727_164450_000000642039_00226_17815_5639.N1 | 27-JUL-2005 16:44:50 | Dark       | 64.000 | 177 | 1Zet CMa  | 3.0220 | 26000. | 128 | 17815 | No |
| 130 | GOM_NL__2PRFIN20050727_170127_000000642039_00227_17816_5628.N1 | 27-JUL-2005 17:01:27 | Dark       | 64.000 | 135 | Bet Hyi   | 2.8200 | 5800.0 | 128 | 17816 | No |
| 131 | GOM_NL__2PRFIN20050727_170931_000000662039_00227_17816_5629.N1 | 27-JUL-2005 17:09:31 | Straylight | 65.500 | 45  | Alp Pav   | 1.9400 | 26000. | 131 | 17816 | No |
| 132 | GOM_NL__2PRFIN20050727_171708_000000672039_00227_17816_5630.N1 | 27-JUL-2005 17:17:08 | Bright     | 66.500 | 38  | 20Eps Sgr | 1.8360 | 11000. | 133 | 17816 | No |
| 133 | GOM_NL__2PRFIN20050727_172023_000000652039_00227_17816_5631.N1 | 27-JUL-2005 17:20:23 | Bright     | 65.000 | 155 | 41Pi Sgr  | 2.9000 | 6600.0 | 130 | 17816 | No |
| 134 | GOM_NL__2PRFIN20050727_172826_000000642039_00227_17816_5632.N1 | 27-JUL-2005 17:28:26 | Bright     | 63.500 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 127 | 17816 | No |
| 135 | GOM_NL__2PRFIN20050727_173046_000000632039_00227_17816_5633.N1 | 27-JUL-2005 17:30:46 | Bright     | 63.000 | 59  | 55Alp Oph | 2.0800 | 8900.0 | 126 | 17816 | No |
| 136 | GOM_NL__2PRFIN20050727_174106_000000652039_00227_17816_5634.N1 | 27-JUL-2005 17:41:06 | Bright     | 65.000 | 69  | 33Gam Dra | 2.2310 | 3800.0 | 130 | 17816 | No |
| 137 | GOM_NL__2PRFIN20050727_174454_000000632039_00227_17816_5635.N1 | 27-JUL-2005 17:44:54 | Bright     | 62.500 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 125 | 17816 | No |
| 138 | GOM_NL__2PRFIN20050727_174907_000000632039_00227_17816_5636.N1 | 27-JUL-2005 17:49:07 | Bright     | 63.000 | 60  | 7Bet UMi  | 2.0810 | 3950.0 | 126 | 17816 | No |
| 139 | GOM_NL__2PRFIN20050727_181810_000000672039_00227_17816_5637.N1 | 27-JUL-2005 18:18:10 | Dark       | 66.500 | 33  | 50Zet Ori | 1.7660 | 30000. | 133 | 17816 | No |
| 140 | GOM_NL__2PRFIN20050727_182011_000000662039_00227_17816_5638.N1 | 27-JUL-2005 18:20:11 | Dark       | 65.500 | 56  | 53Kap Ori | 2.0650 | 30000. | 131 | 17816 | No |
| 141 | GOM_NL__2PRFIN20050727_182203_000000672039_00227_17816_5639.N1 | 27-JUL-2005 18:22:03 | Dark       | 66.500 | 47  | 2Bet CMa  | 1.9760 | 28000. | 133 | 17816 | No |
| 142 | GOM_NL__2PRFIN20050727_182526_000000652039_00227_17816_5640.N1 | 27-JUL-2005 18:25:26 | Dark       | 65.000 | 177 | 1Zet CMa  | 3.0220 | 26000. | 130 | 17816 | No |
| 143 | GOM_NL__2PRFIN20050727_184203_000000642039_00228_17817_5629.N1 | 27-JUL-2005 18:42:03 | Dark       | 64.000 | 135 | Bet Hyi   | 2.8200 | 5800.0 | 128 | 17817 | No |
| 144 | GOM_NL__2PRFIN20050727_185007_000000662039_00228_17817_5630.N1 | 27-JUL-2005 18:50:07 | Straylight | 65.500 | 45  | Alp Pav   | 1.9400 | 26000. | 131 | 17817 | No |
| 145 | GOM_NL__2PRFIN20050727_185744_000000632039_00228_17817_5631.N1 | 27-JUL-2005 18:57:44 | Bright     | 63.000 | 38  | 20Eps Sgr | 1.8360 | 11000. | 126 | 17817 | No |
| 146 | GOM_NL__2PRFIN20050727_190059_000000652039_00228_17817_5632.N1 | 27-JUL-2005 19:00:59 | Bright     | 65.000 | 155 | 41Pi Sgr  | 2.9000 | 6600.0 | 130 | 17817 | No |
| 147 | GOM_NL__2PRFIN20050727_190902_000000642039_00228_17817_5633.N1 | 27-JUL-2005 19:09:02 | Bright     | 64.000 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 128 | 17817 | No |
| 148 | GOM_NL__2PRFIN20050727_191122_000000652039_00228_17817_5634.N1 | 27-JUL-2005 19:11:22 | Bright     | 64.500 | 59  | 55Alp Oph | 2.0800 | 8900.0 | 129 | 17817 | No |
| 149 | GOM_NL__2PRFIN20050727_192142_000000652039_00228_17817_5635.N1 | 27-JUL-2005 19:21:42 | Bright     | 64.500 | 69  | 33Gam Dra | 2.2310 | 3800.0 | 129 | 17817 | No |
| 150 | GOM_NL__2PRFIN20050727_192530_000000632039_00228_17817_5636.N1 | 27-JUL-2005 19:25:30 | Bright     | 63.000 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 126 | 17817 | No |
| 151 | GOM_NL__2PRFIN20050727_192943_000000612039_00228_17817_5637.N1 | 27-JUL-2005 19:29:43 | Bright     | 61.000 | 60  | 7Bet UMi  | 2.0810 | 3950.0 | 122 | 17817 | No |
| 152 | GOM_NL__2PRFIN20050727_195846_000000662039_00228_17817_5638.N1 | 27-JUL-2005 19:58:46 | Dark       | 66.000 | 33  | 50Zet Ori | 1.7660 | 30000. | 132 | 17817 | No |
| 153 | GOM_NL__2PRFIN20050727_200047_000000662039_00228_17817_5639.N1 | 27-JUL-2005 20:00:47 | Dark       | 65.500 | 56  | 53Kap Ori | 2.0650 | 30000. | 131 | 17817 | No |
| 154 | GOM_NL__2PRFIN20050727_200239_000000662039_00228_17817_5640.N1 | 27-JUL-2005 20:02:39 | Dark       | 66.000 | 47  | 2Bet CMa  | 1.9760 | 28000. | 132 | 17817 | No |
| 155 | GOM_NL__2PRFIN20050727_200602_000000642039_00228_17817_5641.N1 | 27-JUL-2005 20:06:02 | Dark       | 64.000 | 177 | 1Zet CMa  | 3.0220 | 26000. | 128 | 17817 | No |
| 156 | GOM_NL__2PRFIN20050727_202239_000000652039_00229_17818_5631.N1 | 27-JUL-2005 20:22:39 | Dark       | 64.500 | 135 | Bet Hyi   | 2.8200 | 5800.0 | 129 | 17818 | No |
| 157 | GOM_NL__2PRFIN20050727_203043_000000662039_00229_17818_5632.N1 | 27-JUL-2005 20:30:43 | Straylight | 66.000 | 45  | Alp Pav   | 1.9400 | 26000. | 132 | 17818 | No |
| 158 | GOM_NL__2PRFIN20050727_203820_000000682039_00229_17818_5633.N1 | 27-JUL-2005 20:38:20 | Bright     | 67.500 | 38  | 20Eps Sgr | 1.8360 | 11000. | 135 | 17818 | No |
| 159 | GOM_NL__2PRFIN20050727_204135_000000642039_00229_17818_5634.N1 | 27-JUL-2005 20:41:35 | Bright     | 63.500 | 155 | 41Pi Sgr  | 2.9000 | 6600.0 | 127 | 17818 | No |
| 160 | GOM_NL__2PRFIN20050727_204938_000000642039_00229_17818_5635.N1 | 27-JUL-2005 20:49:38 | Bright     | 64.000 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 128 | 17818 | No |

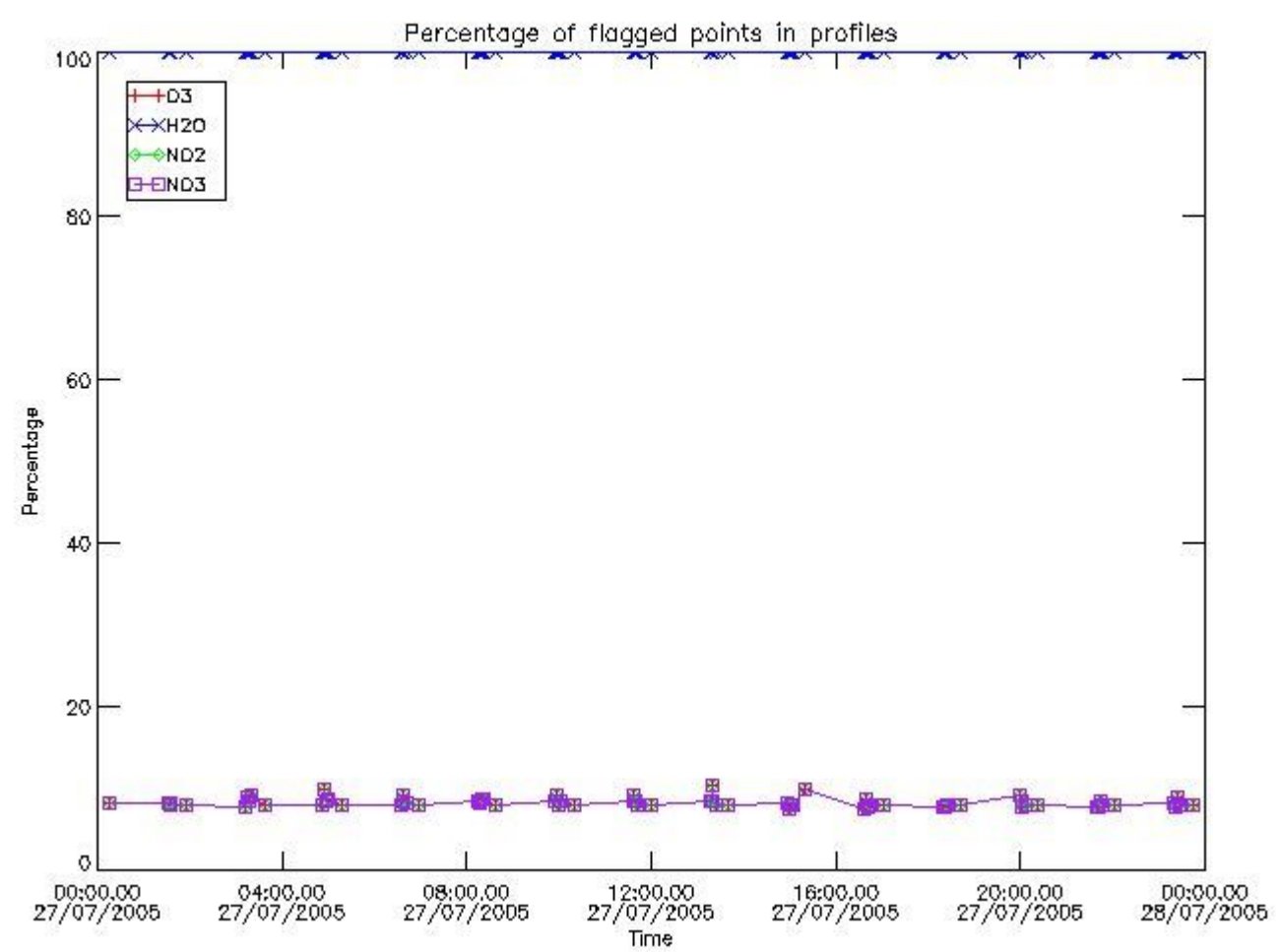


|     |  |                      |            |        |     |           |        |        |     |       |    |
|-----|--|----------------------|------------|--------|-----|-----------|--------|--------|-----|-------|----|
| 161 | GOM_NL__2PRFIN20050727_205159_000000652039_00229_17818_5636.N1 | 27-JUL-2005 20:51:59 | Bright     | 65.000 | 59  | 55Alp Oph | 2.0800 | 8900.0 | 130 | 17818 | No |
| 162 | GOM_NL__2PRFIN20050727_210218_000000632039_00229_17818_5637.N1 | 27-JUL-2005 21:02:18 | Bright     | 63.000 | 69  | 33Gam Dra | 2.2310 | 3800.0 | 126 | 17818 | No |
| 163 | GOM_NL__2PRFIN20050727_210606_000000642039_00229_17818_5638.N1 | 27-JUL-2005 21:06:06 | Bright     | 63.500 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 127 | 17818 | No |
| 164 | GOM_NL__2PRFIN20050727_211019_000000632039_00229_17818_5639.N1 | 27-JUL-2005 21:10:19 | Bright     | 63.000 | 60  | 7Bet UMi  | 2.0810 | 3950.0 | 126 | 17818 | No |
| 165 | GOM_NL__2PRFIN20050727_213923_000000672039_00229_17818_5640.N1 | 27-JUL-2005 21:39:23 | Dark       | 67.000 | 33  | 50Zet Ori | 1.7660 | 30000. | 134 | 17818 | No |
| 166 | GOM_NL__2PRFIN20050727_214124_000000662039_00229_17818_5641.N1 | 27-JUL-2005 21:41:24 | Dark       | 66.000 | 56  | 53Kap Ori | 2.0650 | 30000. | 132 | 17818 | No |
| 167 | GOM_NL__2PRFIN20050727_214315_000000662039_00229_17818_5642.N1 | 27-JUL-2005 21:43:15 | Dark       | 65.500 | 47  | 2Bet CMa  | 1.9760 | 28000. | 131 | 17818 | No |
| 168 | GOM_NL__2PRFIN20050727_214638_000000642039_00229_17818_5643.N1 | 27-JUL-2005 21:46:38 | Dark       | 64.000 | 177 | 1Zet CMa  | 3.0220 | 26000. | 128 | 17818 | No |
| 169 | GOM_NL__2PRFIN20050727_220315_000000642039_00230_17819_5632.N1 | 27-JUL-2005 22:03:15 | Dark       | 64.000 | 135 | Bet Hyi   | 2.8200 | 5800.0 | 128 | 17819 | No |
| 170 | GOM_NL__2PRFIN20050727_221119_000000652039_00230_17819_5633.N1 | 27-JUL-2005 22:11:19 | Straylight | 65.000 | 45  | Alp Pav   | 1.9400 | 26000. | 130 | 17819 | No |
| 171 | GOM_NL__2PRFIN20050727_221856_000000672039_00230_17819_5634.N1 | 27-JUL-2005 22:18:56 | Bright     | 66.500 | 38  | 20Eps Sgr | 1.8360 | 11000. | 133 | 17819 | No |
| 172 | GOM_NL__2PRFIN20050727_222211_000000642039_00230_17819_5635.N1 | 27-JUL-2005 22:22:11 | Bright     | 64.000 | 155 | 41Pi Sgr  | 2.9000 | 6600.0 | 128 | 17819 | No |
| 173 | GOM_NL__2PRFIN20050727_223014_000000652039_00230_17819_5636.N1 | 27-JUL-2005 22:30:14 | Bright     | 65.000 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 130 | 17819 | No |
| 174 | GOM_NL__2PRFIN20050727_223235_000000662039_00230_17819_5637.N1 | 27-JUL-2005 22:32:35 | Bright     | 66.000 | 59  | 55Alp Oph | 2.0800 | 8900.0 | 132 | 17819 | No |
| 175 | GOM_NL__2PRFIN20050727_224254_000000642039_00230_17819_5638.N1 | 27-JUL-2005 22:42:54 | Bright     | 63.500 | 69  | 33Gam Dra | 2.2310 | 3800.0 | 127 | 17819 | No |
| 176 | GOM_NL__2PRFIN20050727_224643_000000632039_00230_17819_5639.N1 | 27-JUL-2005 22:46:43 | Bright     | 63.000 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 126 | 17819 | No |
| 177 | GOM_NL__2PRFIN20050727_225055_000000602039_00230_17819_5640.N1 | 27-JUL-2005 22:50:55 | Bright     | 59.500 | 60  | 7Bet UMi  | 2.0810 | 3950.0 | 119 | 17819 | No |
| 178 | GOM_NL__2PRFIN20050727_231959_000000692039_00230_17819_5641.N1 | 27-JUL-2005 23:19:59 | Dark       | 68.500 | 33  | 50Zet Ori | 1.7660 | 30000. | 137 | 17819 | No |
| 179 | GOM_NL__2PRFIN20050727_232200_000000672039_00230_17819_5642.N1 | 27-JUL-2005 23:22:00 | Dark       | 66.500 | 56  | 53Kap Ori | 2.0650 | 30000. | 133 | 17819 | No |
| 180 | GOM_NL__2PRFIN20050727_232351_000000632039_00230_17819_5643.N1 | 27-JUL-2005 23:23:51 | Dark       | 63.000 | 47  | 2Bet CMa  | 1.9760 | 28000. | 126 | 17819 | No |
| 181 | GOM_NL__2PRFIN20050727_232714_000000642039_00230_17819_5644.N1 | 27-JUL-2005 23:27:14 | Dark       | 63.500 | 177 | 1Zet CMa  | 3.0220 | 26000. | 127 | 17819 | No |
| 182 | GOM_NL__2PRFIN20050727_234351_000000642039_00231_17820_5641.N1 | 27-JUL-2005 23:43:51 | Dark       | 64.000 | 135 | Bet Hyi   | 2.8200 | 5800.0 | 128 | 17820 | No |
| 183 | GOM_NL__2PRFIN20050727_235155_000000652039_00231_17820_5642.N1 | 27-JUL-2005 23:51:55 | Straylight | 65.000 | 45  | Alp Pav   | 1.9400 | 26000. | 130 | 17820 | No |
| 184 | GOM_NL__2PRFIN20050727_235932_000000672039_00231_17820_5643.N1 | 27-JUL-2005 23:59:32 | Bright     | 66.500 | 38  | 20Eps Sgr | 1.8360 | 11000. | 133 | 17820 | No |

### 3. Quality information per product

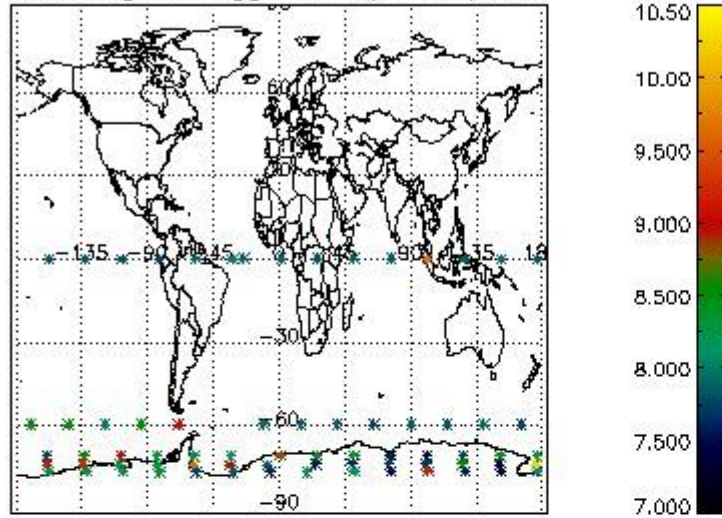
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

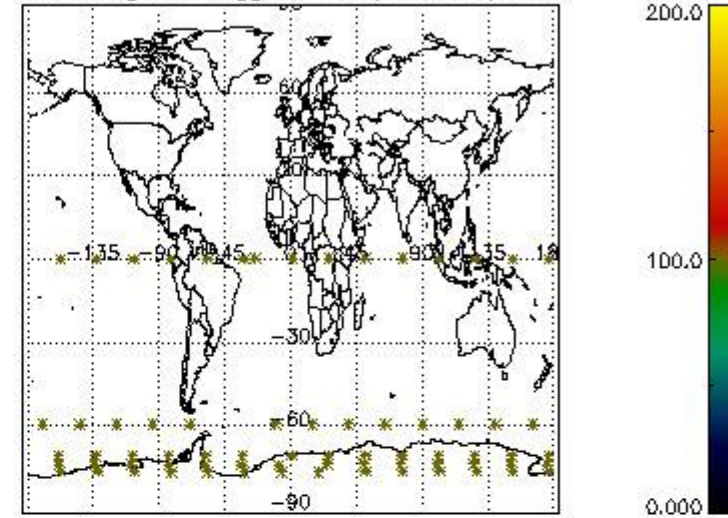


*3.2 Plot quality information per product (world map)*

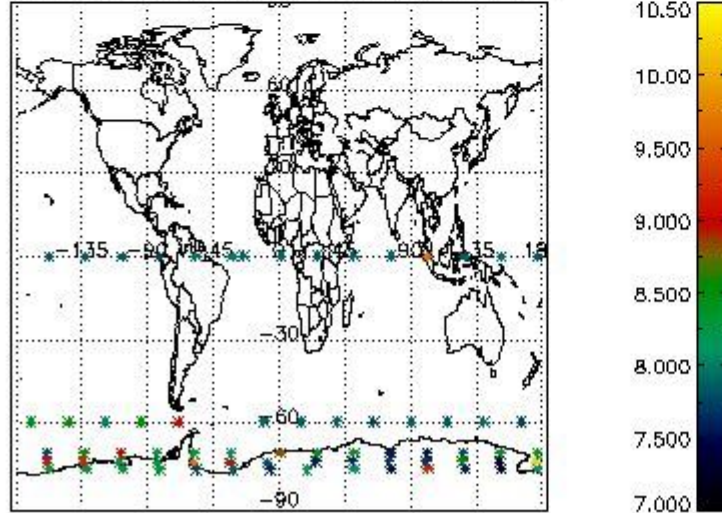
Percentage of flagged data per O3 profile



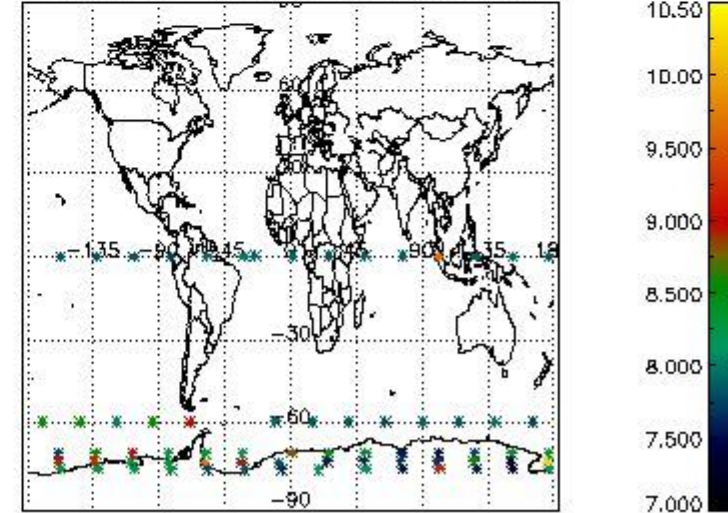
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

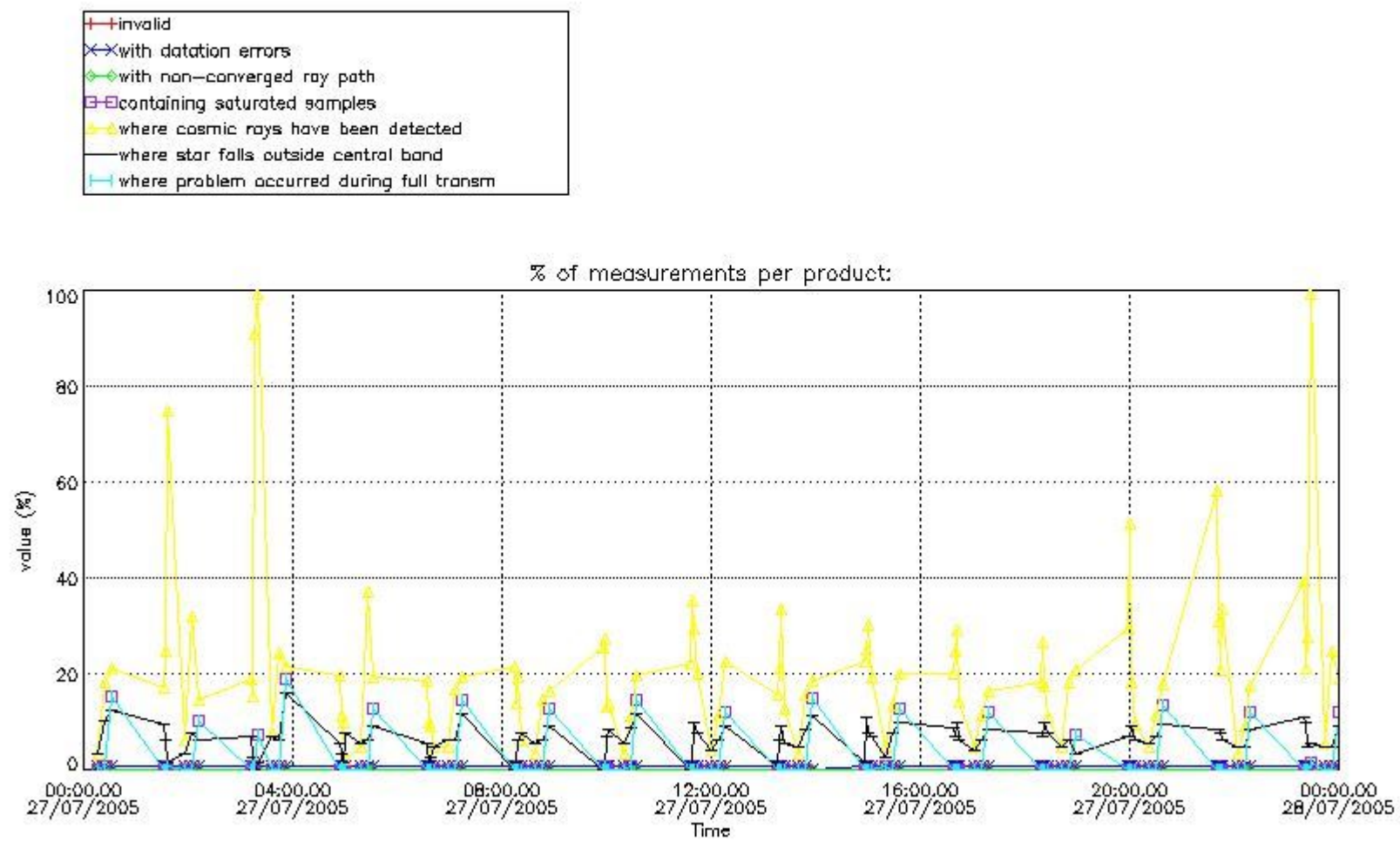


#### 4. Level 1 quality information per product

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.

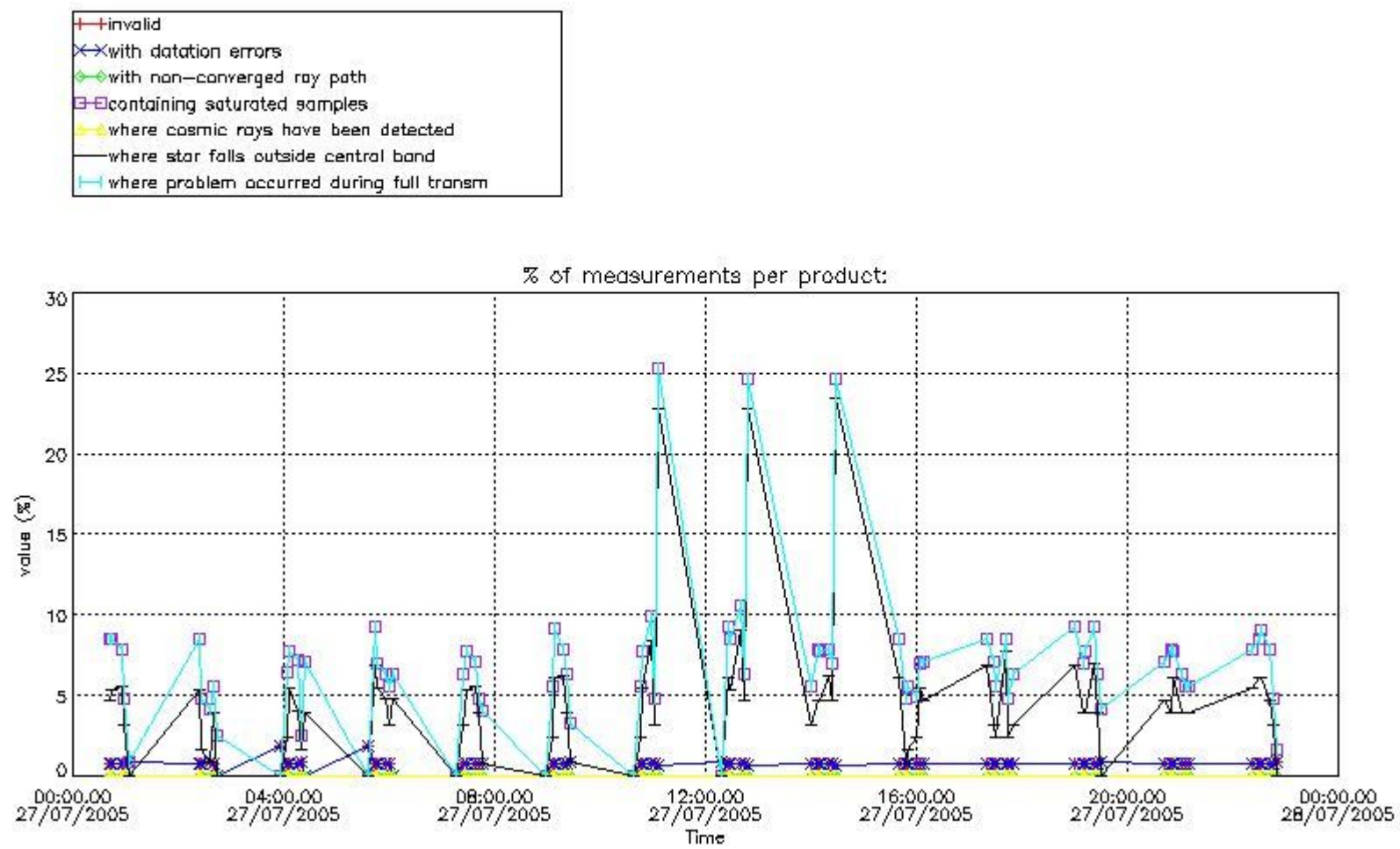
##### 4.1 Plot quality information per product (time dependant) coming from level 1b processing

###### 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

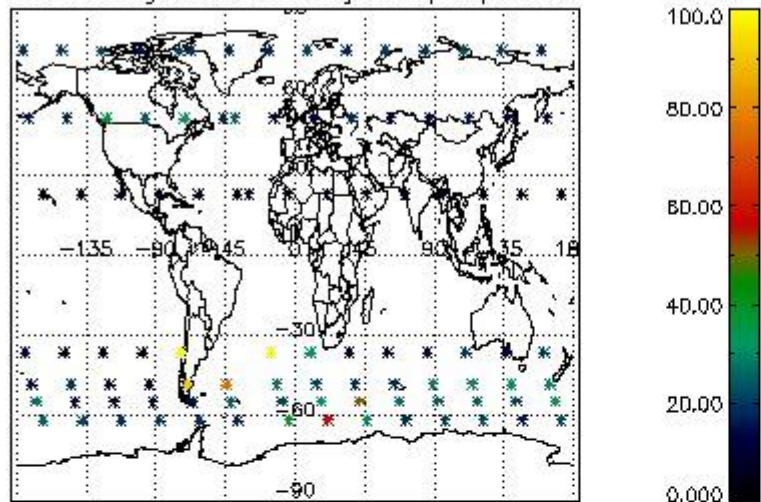




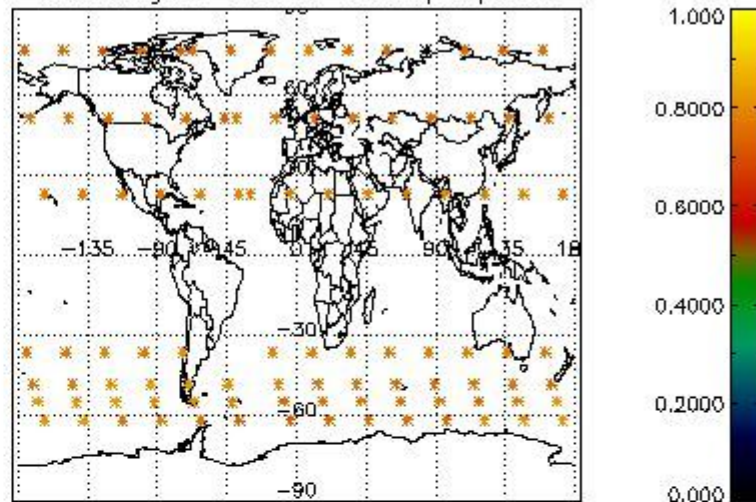
4.2 Plot quality information per product coming from level 1b processing (world map)

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

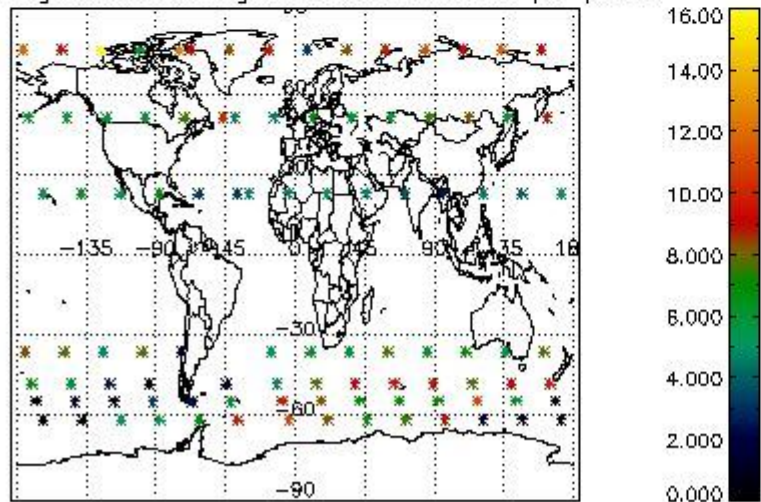
Percentage of cosmic ray hits per profile



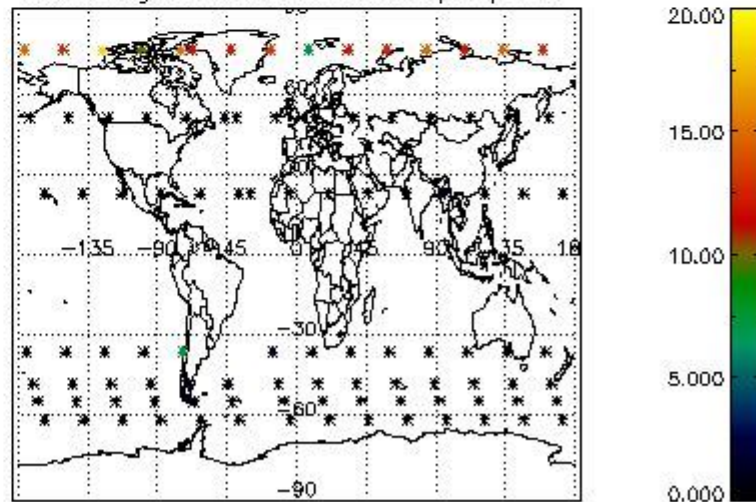
Percentage of datation errors per profile



Percentage of star falling outside central band per profile



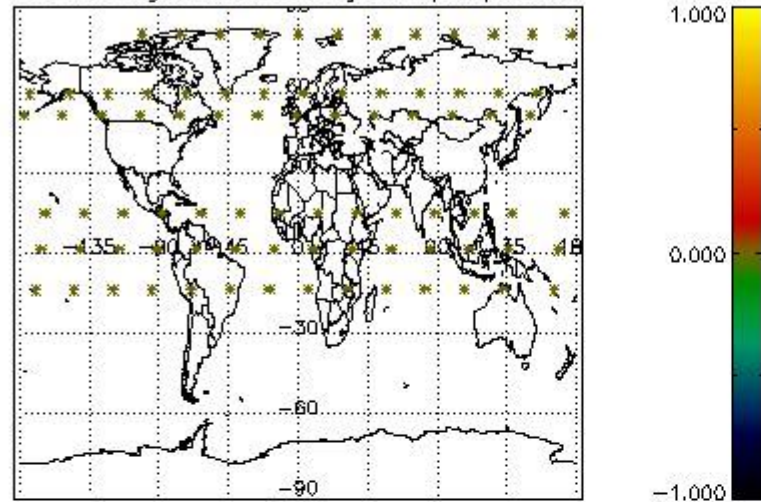
Percentage of saturation errors per profile



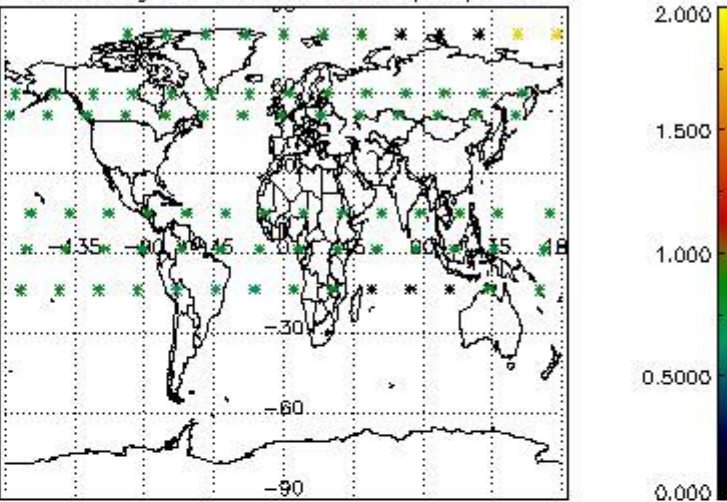
4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes



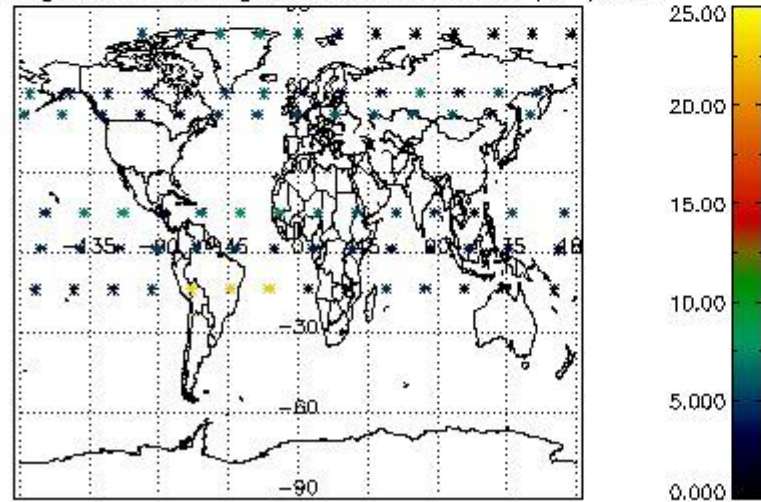
Percentage of cosmic ray hits per profile



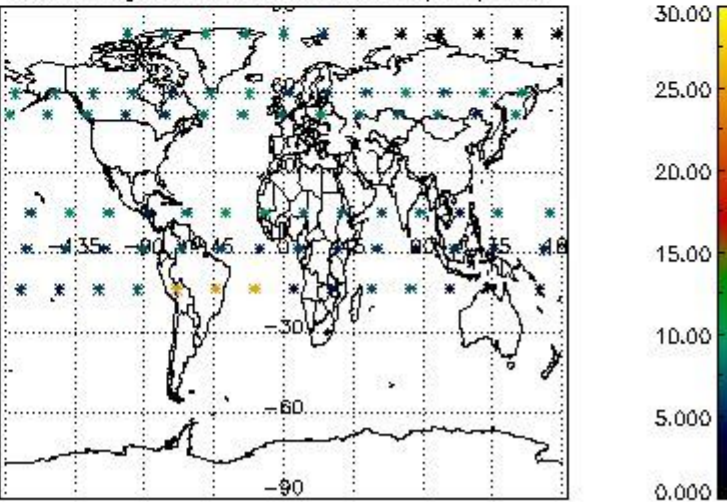
Percentage of datation errors per profile



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

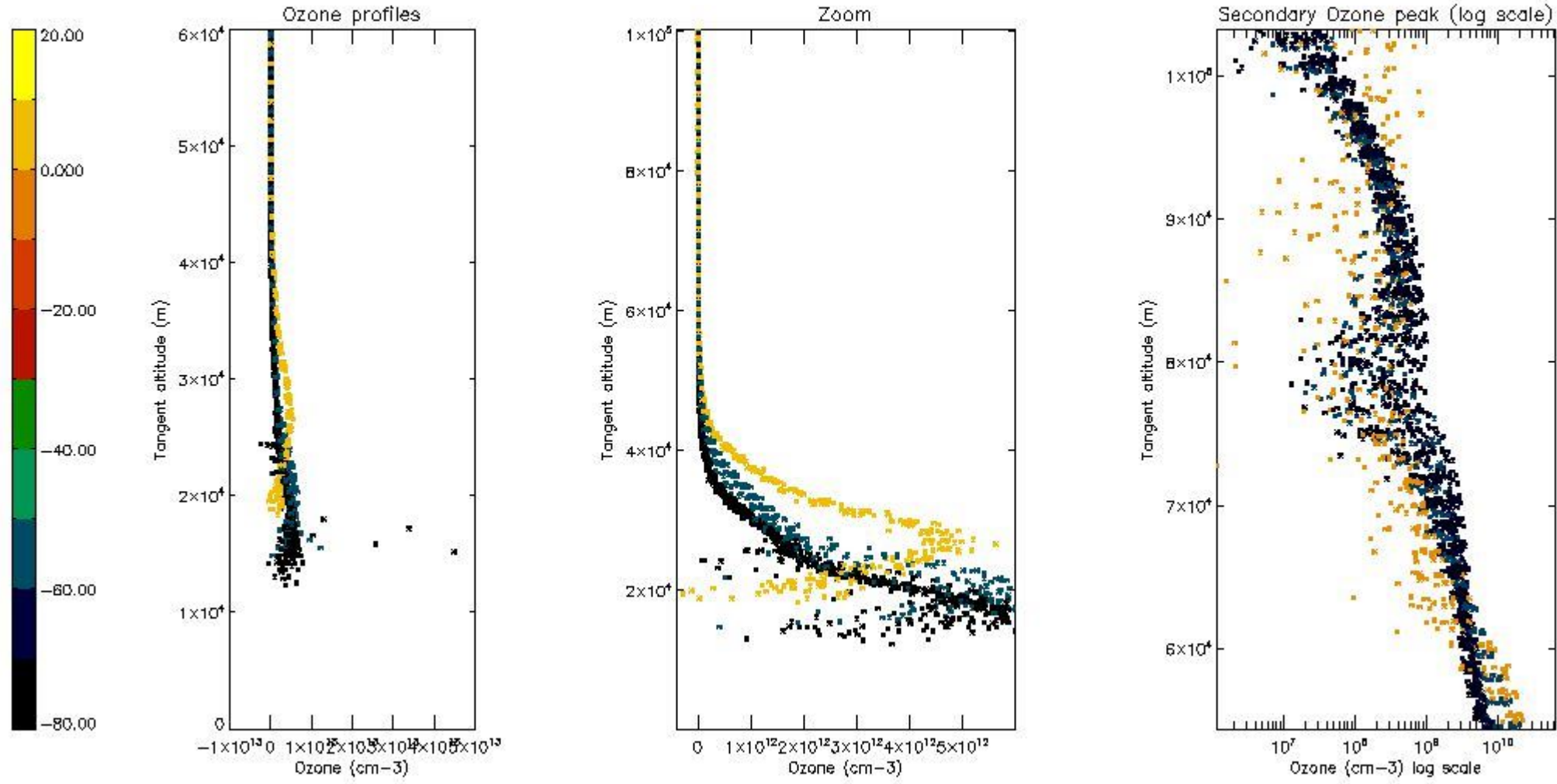
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

| Criteria | % of total production |
|----------|-----------------------|
| All STD  | 39                    |
| STD < 20 | 15                    |

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

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

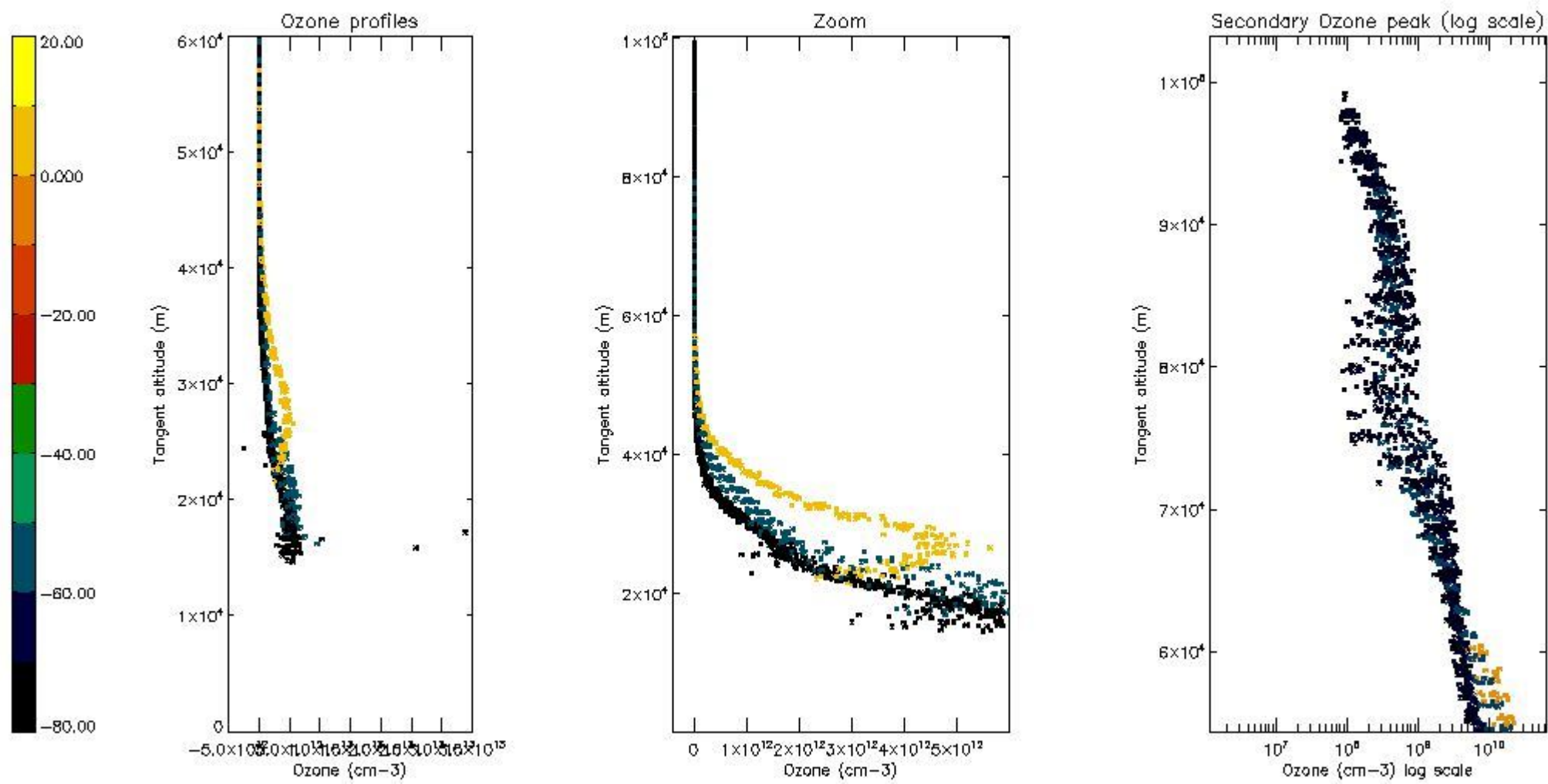
The colorbar represents the latitude.



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

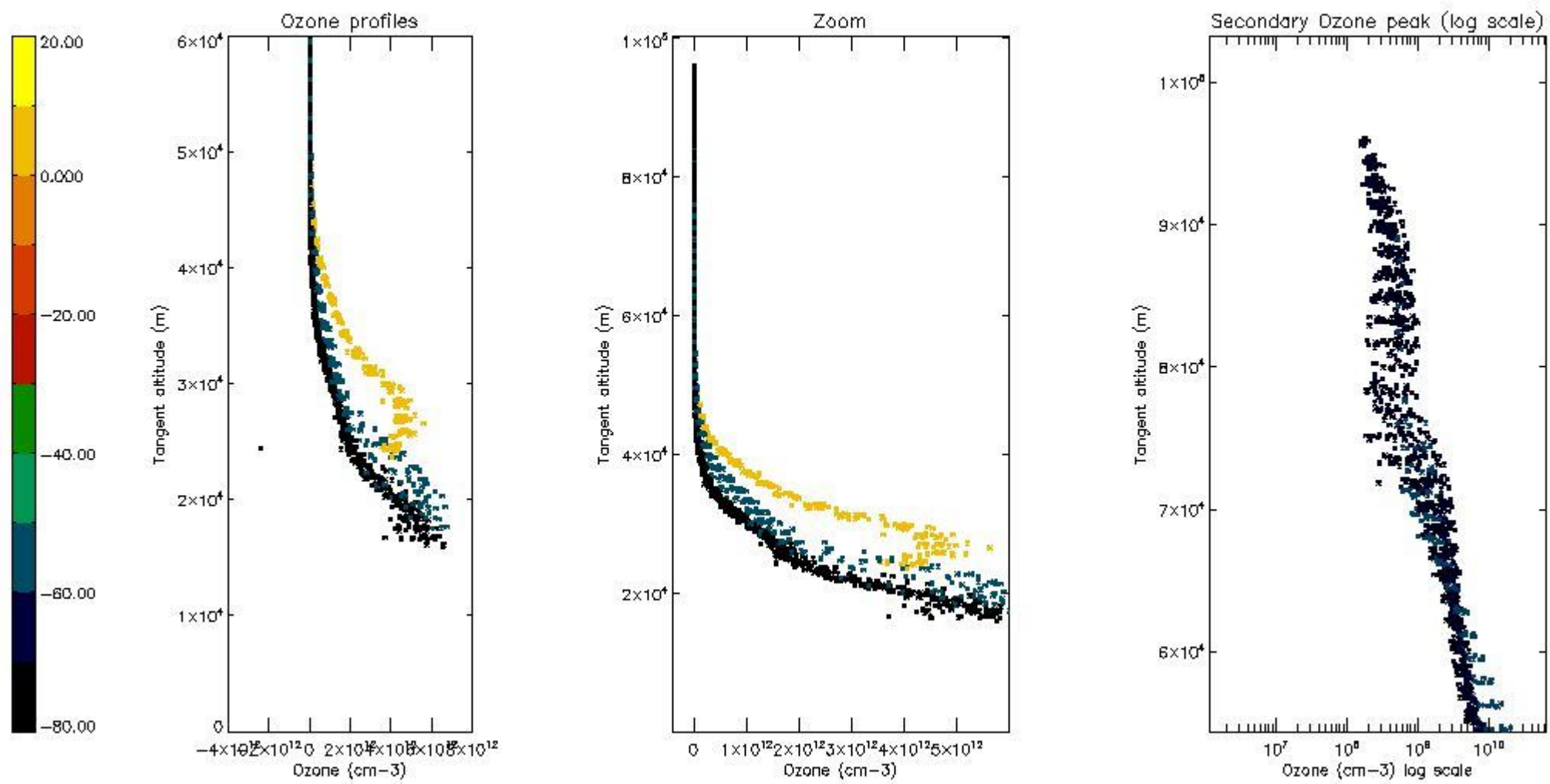
The colorbar represents the latitude.





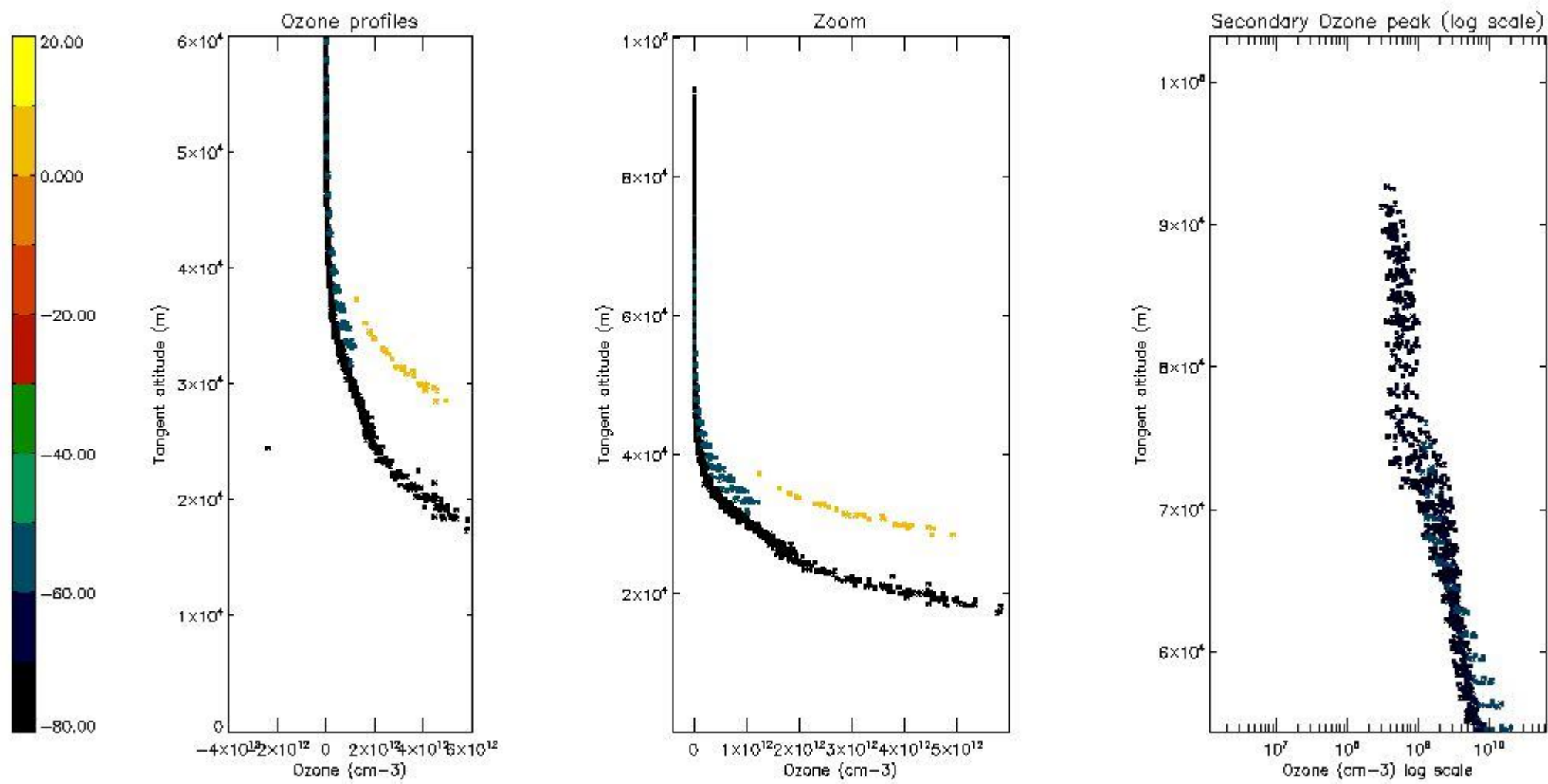
*5.4 Plot ozone profiles where  $STD < 10\%$  (dark without errors)*

The colorbar represents the latitude.



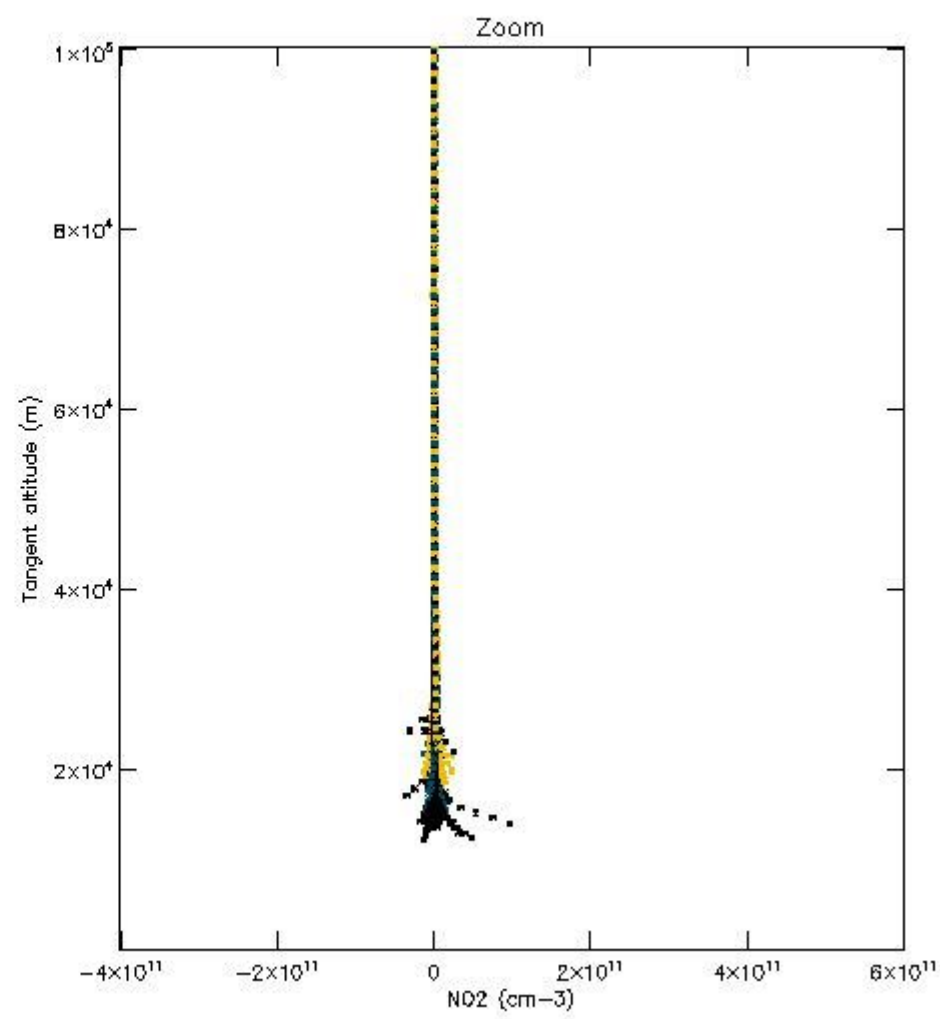
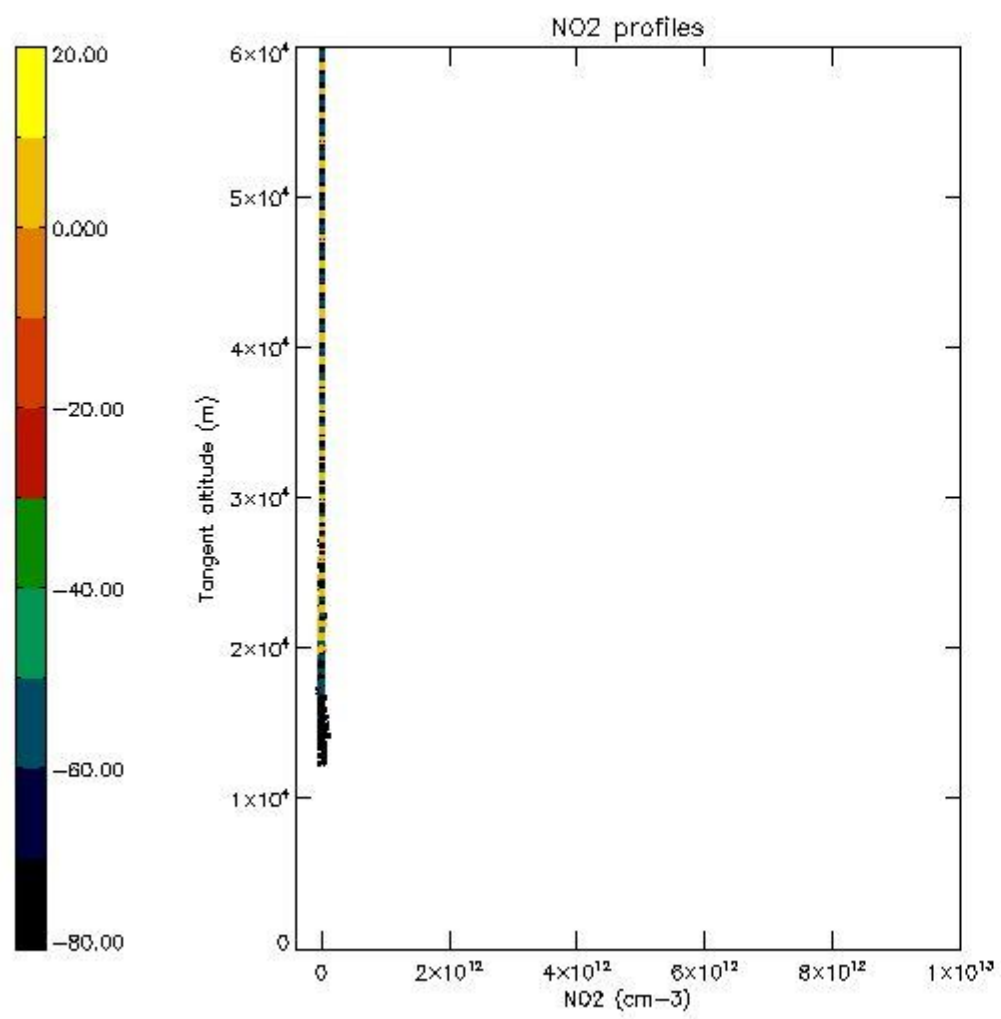
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



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

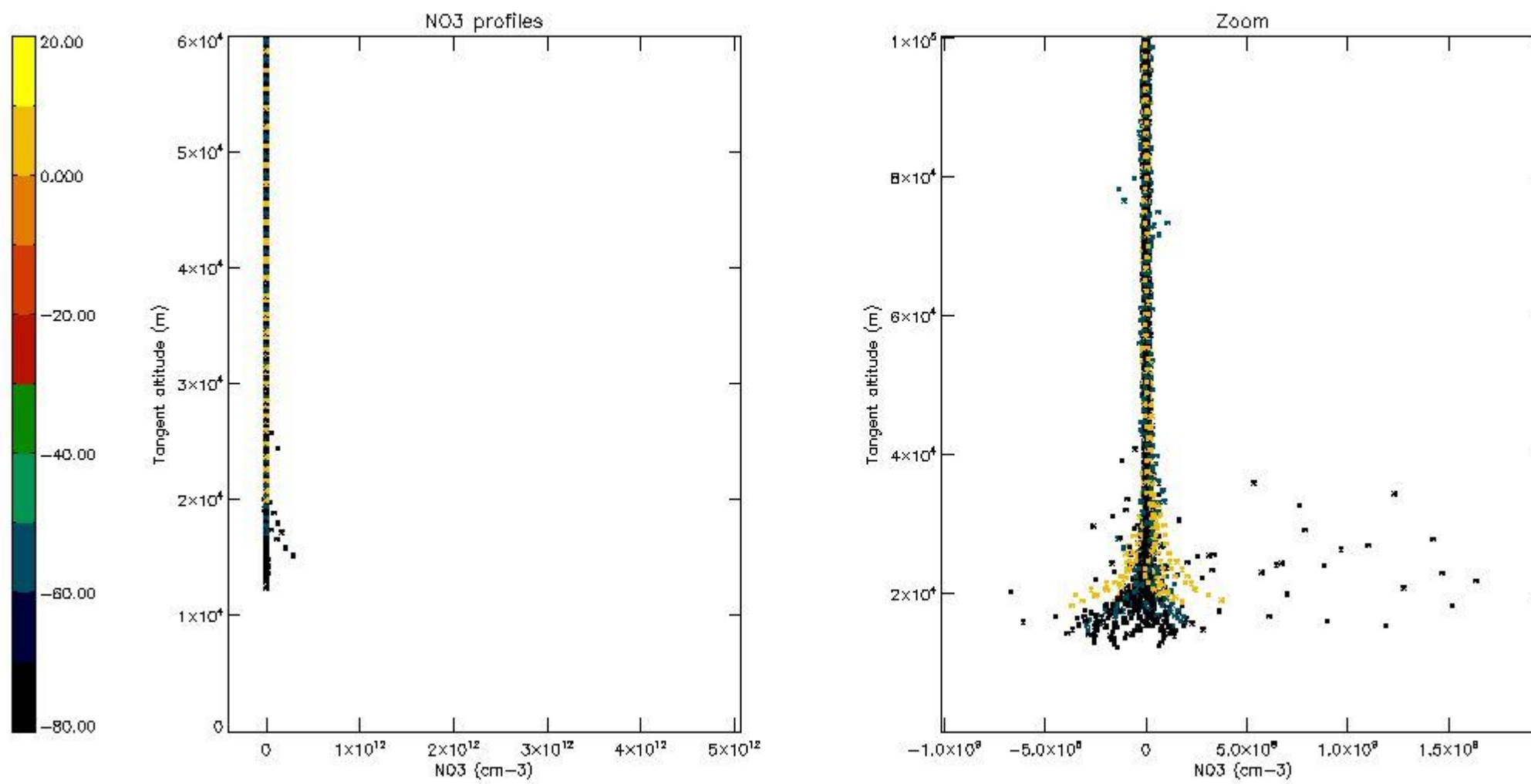
The colorbar represents the latitude.



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

The colorbar represents the latitude.





## 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                  | 27-JUL-2005 00:15:25    |
| LEVEL-2_PROC_CONFIG       | GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000 | 1                  | 27-JUL-2005 00:15:25    |
| CROSS_SECTIONS_FILE       | GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000 | 1                  | 27-JUL-2005 00:15:25    |

# GOMOS Level 2 Daily Report

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

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#### [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 | 18APR2013 10:11:09              |
| Data source version       | GOMOS/6.01                      |
| Start time of products    | 27-07-2005 (27JUL2005 00:00:00) |
| Stop time of products     | 28-07-2005 (28JUL2005 00:00:00) |
| Store outputs in DB       | Yes                             |
| Nb of level 2 prods       | 184                             |
| Nb of prods with errors   | 2                               |

## 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__2PRFIN20050727_001525_000000632039_00217_17806_5605.N1 | 27-JUL-2005 00:15:25 | Dark       | 63.000   | 135     | Bet Hyi   | 2.8200   | 5800.0    | 126     | 17806 | No          |
| 2  | GOM_NL__2PRFIN20050727_002328_000000692039_00217_17806_5606.N1 | 27-JUL-2005 00:23:28 | Straylight | 69.000   | 45      | Alp Pav   | 1.9400   | 26000.    | 138     | 17806 | No          |
| 3  | GOM_NL__2PRFIN20050727_003107_000000692039_00217_17806_5607.N1 | 27-JUL-2005 00:31:07 | Bright     | 69.000   | 38      | 20Eps Sgr | 1.8360   | 11000.    | 138     | 17806 | No          |
| 4  | GOM_NL__2PRFIN20050727_003422_000000112039_00217_17806_5608.N1 | 27-JUL-2005 00:34:22 | Dark       | 11.000   | 155     | 41Pi Sgr  | 2.9000   | 6600.0    | 22      | 17806 | Yes         |
| 5  | GOM_NL__2PRFIN20050727_004224_000000652039_00217_17806_5609.N1 | 27-JUL-2005 00:42:24 | Bright     | 64.500   | 126     | 60Bet Oph | 2.7700   | 4250.0    | 129     | 17806 | No          |
| 6  | GOM_NL__2PRFIN20050727_004444_000000652039_00217_17806_5610.N1 | 27-JUL-2005 00:44:44 | Bright     | 65.000   | 59      | 55Alp Oph | 2.0800   | 8900.0    | 130     | 17806 | No          |
| 7  | GOM_NL__2PRFIN20050727_005505_000000642039_00217_17806_5611.N1 | 27-JUL-2005 00:55:05 | Bright     | 63.500   | 69      | 33Gam Dra | 2.2310   | 3800.0    | 127     | 17806 | No          |
| 8  | GOM_NL__2PRFIN20050727_005852_000000632039_00217_17806_5612.N1 | 27-JUL-2005 00:58:52 | Bright     | 63.000   | 119     | 14Eta Dra | 2.7270   | 4700.0    | 126     | 17806 | No          |
| 9  | GOM_NL__2PRFIN20050727_010305_000000592039_00217_17806_5613.N1 | 27-JUL-2005 01:03:05 | Bright     | 59.000   | 60      | 7Bet UMi  | 2.0810   | 3950.0    | 118     | 17806 | No          |
| 10 | GOM_NL__2PRFIN20050727_013208_000000682039_00217_17806_5614.N1 | 27-JUL-2005 01:32:08 | Dark       | 67.500   | 33      | 50Zet Ori | 1.7660   | 30000.    | 135     | 17806 | No          |
| 11 | GOM_NL__2PRFIN20050727_013409_000000652039_00217_17806_5615.N1 | 27-JUL-2005 01:34:09 | Dark       | 64.500   | 56      | 53Kap Ori | 2.0650   | 30000.    | 129     | 17806 | No          |
| 12 | GOM_NL__2PRFIN20050727_013602_000000622039_00217_17806_5616.N1 | 27-JUL-2005 01:36:02 | Dark       | 61.500   | 47      | 2Bet CMa  | 1.9760   | 28000.    | 123     | 17806 | No          |
| 13 | GOM_NL__2PRFIN20050727_015601_000000642039_00218_17807_5606.N1 | 27-JUL-2005 01:56:01 | Dark       | 63.500   | 135     | Bet Hyi   | 2.8200   | 5800.0    | 127     | 17807 | No          |
| 14 | GOM_NL__2PRFIN20050727_020405_000000672039_00218_17807_5607.N1 | 27-JUL-2005 02:04:05 | Straylight | 67.000   | 45      | Alp Pav   | 1.9400   | 26000.    | 134     | 17807 | No          |
| 15 | GOM_NL__2PRFIN20050727_021143_000000652039_00218_17807_5608.N1 | 27-JUL-2005 02:11:43 | Bright     | 65.000   | 38      | 20Eps Sgr | 1.8360   | 11000.    | 130     | 17807 | No          |
| 16 | GOM_NL__2PRFIN20050727_021458_000000112039_00218_17807_5609.N1 | 27-JUL-2005 02:14:58 | Dark       | 11.000   | 155     | 41Pi Sgr  | 2.9000   | 6600.0    | 22      | 17807 | Yes         |
| 17 | GOM_NL__2PRFIN20050727_022300_000000652039_00218_17807_5610.N1 | 27-JUL-2005 02:23:00 | Bright     | 65.000   | 126     | 60Bet Oph | 2.7700   | 4250.0    | 130     | 17807 | No          |
| 18 | GOM_NL__2PRFIN20050727_022520_000000632039_00218_17807_5611.N1 | 27-JUL-2005 02:25:20 | Bright     | 62.500   | 59      | 55Alp Oph | 2.0800   | 8900.0    | 125     | 17807 | No          |
| 19 | GOM_NL__2PRFIN20050727_023541_000000612039_00218_17807_5612.N1 | 27-JUL-2005 02:35:41 | Bright     | 60.500   | 69      | 33Gam Dra | 2.2310   | 3800.0    | 121     | 17807 | No          |
| 20 | GOM_NL__2PRFIN20050727_023928_000000642039_00218_17807_5613.N1 | 27-JUL-2005 02:39:28 | Bright     | 63.500   | 119     | 14Eta Dra | 2.7270   | 4700.0    | 127     | 17807 | No          |
| 21 | GOM_NL__2PRFIN20050727_024341_000000602039_00218_17807_5614.N1 | 27-JUL-2005 02:43:41 | Bright     | 59.500   | 60      | 7Bet UMi  | 2.0810   | 3950.0    | 119     | 17807 | No          |
| 22 | GOM_NL__2PRFIN20050727_031244_000000662039_00218_17807_5615.N1 | 27-JUL-2005 03:12:44 | Dark       | 66.000   | 33      | 50Zet Ori | 1.7660   | 30000.    | 132     | 17807 | No          |
| 23 | GOM_NL__2PRFIN20050727_031446_000000622039_00218_17807_5616.N1 | 27-JUL-2005 03:14:46 | Dark       | 62.000   | 56      | 53Kap Ori | 2.0650   | 30000.    | 124     | 17807 | No          |
| 24 | GOM_NL__2PRFIN20050727_031639_000000612039_00218_17807_5617.N1 | 27-JUL-2005 03:16:39 | Dark       | 60.500   | 47      | 2Bet CMa  | 1.9760   | 28000.    | 121     | 17807 | No          |
| 25 | GOM_NL__2PRFIN20050727_032001_000000622039_00218_17807_5618.N1 | 27-JUL-2005 03:20:01 | Dark       | 61.500   | 177     | 1Zet CMa  | 3.0220   | 26000.    | 123     | 17807 | No          |
| 26 | GOM_NL__2PRFIN20050727_033637_000000652039_00219_17808_5606.N1 | 27-JUL-2005 03:36:37 | Dark       | 65.000   | 135     | Bet Hyi   | 2.8200   | 5800.0    | 130     | 17808 | No          |
| 27 | GOM_NL__2PRFIN20050727_034441_000000662039_00219_17808_5607.N1 | 27-JUL-2005 03:44:41 | Straylight | 66.000   | 45      | Alp Pav   | 1.9400   | 26000.    | 132     | 17808 | No          |
| 28 | GOM_NL__2PRFIN20050727_035219_000000722039_00219_17808_5608.N1 | 27-JUL-2005 03:52:19 | Bright     | 72.000   | 38      | 20Eps Sgr | 1.8360   | 11000.    | 144     | 17808 | No          |
| 29 | GOM_NL__2PRFIN20050727_035534_000000272039_00219_17808_5609.N1 | 27-JUL-2005 03:55:34 | Straylight | 27.000   | 155     | 41Pi Sgr  | 2.9000   | 6600.0    | 54      | 17808 | No          |
| 30 | GOM_NL__2PRFIN20050727_040337_000000632039_00219_17808_5610.N1 | 27-JUL-2005 04:03:37 | Bright     | 62.500   | 126     | 60Bet Oph | 2.7700   | 4250.0    | 125     | 17808 | No          |
| 31 | GOM_NL__2PRFIN20050727_040557_000000652039_00219_17808_5611.N1 | 27-JUL-2005 04:05:57 | Bright     | 64.500   | 59      | 55Alp Oph | 2.0800   | 8900.0    | 129     | 17808 | No          |
| 32 | GOM_NL__2PRFIN20050727_041617_000000632039_00219_17808_5612.N1 | 27-JUL-2005 04:16:17 | Bright     | 62.500   | 69      | 33Gam Dra | 2.2310   | 3800.0    | 125     | 17808 | No          |
| 33 | GOM_NL__2PRFIN20050727_042004_000000612039_00219_17808_5613.N1 | 27-JUL-2005 04:20:04 | Bright     | 61.000   | 119     | 14Eta Dra | 2.7270   | 4700.0    | 122     | 17808 | No          |
| 34 | GOM_NL__2PRFIN20050727_042417_000000642039_00219_17808_5614.N1 | 27-JUL-2005 04:24:17 | Bright     | 63.500   | 60      | 7Bet UMi  | 2.0810   | 3950.0    | 127     | 17808 | No          |
| 35 | GOM_NL__2PRFIN20050727_045321_000000642039_00219_17808_5615.N1 | 27-JUL-2005 04:53:21 | Dark       | 64.000   | 33      | 50Zet Ori | 1.7660   | 30000.    | 128     | 17808 | No          |
| 36 | GOM_NL__2PRFIN20050727_045522_000000632039_00219_17808_5616.N1 | 27-JUL-2005 04:55:22 | Dark       | 62.500   | 56      | 53Kap Ori | 2.0650   | 30000.    | 125     | 17808 | No          |
| 37 | GOM_NL__2PRFIN20050727_045715_000000612039_00219_17808_5617.N1 | 27-JUL-2005 04:57:15 | Dark       | 60.500   | 47      | 2Bet CMa  | 1.9760   | 28000.    | 121     | 17808 | No          |
| 38 | GOM_NL__2PRFIN20050727_050037_000000652039_00219_17808_5618.N1 | 27-JUL-2005 05:00:37 | Dark       | 65.000   | 177     | 1Zet CMa  | 3.0220   | 26000.    | 130     | 17808 | No          |
| 39 | GOM_NL__2PRFIN20050727_051714_000000652039_00220_17809_5606.N1 | 27-JUL-2005 05:17:14 | Dark       | 64.500   | 135     | Bet Hyi   | 2.8200   | 5800.0    | 129     | 17809 | No          |
| 40 | GOM_NL__2PRFIN20050727_052517_000000662039_00220_17809_5607.N1 | 27-JUL-2005 05:25:17 | Straylight | 66.000   | 45      | Alp Pav   | 1.9400   | 26000.    | 132     | 17809 | No          |
| 41 | GOM_NL__2PRFIN20050727_053256_000000672039_00220_17809_5608.N1 | 27-JUL-2005 05:32:56 | Bright     | 67.000   | 38      | 20Eps Sgr | 1.8360   | 11000.    | 134     | 17809 | No          |
| 42 | GOM_NL__2PRFIN20050727_053610_000000272039_00220_17809_5609.N1 | 27-JUL-2005 05:36:10 | Straylight | 27.000   | 155     | 41Pi Sgr  | 2.9000   | 6600.0    | 54      | 17809 | No          |

|     |  |                      |                |        |     |           |        |        |     |       |    |
|-----|--|----------------------|----------------|--------|-----|-----------|--------|--------|-----|-------|----|
| 43  | GOM_NL__2PRFIN20050727_054413_000000652039_00220_17809_5610.N1 | 27-JUL-2005 05:44:13 | Bright         | 65.000 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 130 | 17809 | No |
| 44  | GOM_NL__2PRFIN20050727_054633_000000642039_00220_17809_5611.N1 | 27-JUL-2005 05:46:33 | Bright         | 64.000 | 59  | 55Alp Oph | 2.0800 | 8900.0 | 128 | 17809 | No |
| 45  | GOM_NL__2PRFIN20050727_055653_000000632039_00220_17809_5612.N1 | 27-JUL-2005 05:56:53 | Bright         | 63.000 | 69  | 33Gam Dra | 2.2310 | 3800.0 | 126 | 17809 | No |
| 46  | GOM_NL__2PRFIN20050727_060041_000000632039_00220_17809_5613.N1 | 27-JUL-2005 06:00:41 | Bright         | 63.000 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 126 | 17809 | No |
| 47  | GOM_NL__2PRFIN20050727_060453_000000632039_00220_17809_5614.N1 | 27-JUL-2005 06:04:53 | Bright         | 63.000 | 60  | 7Bet UMi  | 2.0810 | 3950.0 | 126 | 17809 | No |
| 48  | GOM_NL__2PRFIN20050727_063357_000000652039_00220_17809_5615.N1 | 27-JUL-2005 06:33:57 | Dark           | 65.000 | 33  | 50Zet Ori | 1.7660 | 30000. | 130 | 17809 | No |
| 49  | GOM_NL__2PRFIN20050727_063558_000000612039_00220_17809_5616.N1 | 27-JUL-2005 06:35:58 | Dark           | 60.500 | 56  | 53Kap Ori | 2.0650 | 30000. | 121 | 17809 | No |
| 50  | GOM_NL__2PRFIN20050727_063751_000000622039_00220_17809_5617.N1 | 27-JUL-2005 06:37:51 | Dark           | 61.500 | 47  | 2Bet CMa  | 1.9760 | 28000. | 123 | 17809 | No |
| 51  | GOM_NL__2PRFIN20050727_064113_000000632039_00220_17809_5618.N1 | 27-JUL-2005 06:41:13 | Dark           | 63.000 | 177 | 1Zet CMa  | 3.0220 | 26000. | 126 | 17809 | No |
| 52  | GOM_NL__2PRFIN20050727_065750_000000652039_00221_17810_5606.N1 | 27-JUL-2005 06:57:50 | Dark           | 64.500 | 135 | Bet Hyi   | 2.8200 | 5800.0 | 129 | 17810 | No |
| 53  | GOM_NL__2PRFIN20050727_070554_000000662039_00221_17810_5607.N1 | 27-JUL-2005 07:05:54 | Straylight     | 65.500 | 45  | Alp Pav   | 1.9400 | 26000. | 131 | 17810 | No |
| 54  | GOM_NL__2PRFIN20050727_071332_000000682039_00221_17810_5608.N1 | 27-JUL-2005 07:13:32 | Bright         | 68.000 | 38  | 20Eps Sgr | 1.8360 | 11000. | 136 | 17810 | No |
| 55  | GOM_NL__2PRFIN20050727_071646_000000432039_00221_17810_5609.N1 | 27-JUL-2005 07:16:46 | Tw_i_and_stray | 42.500 | 155 | 41Pi Sgr  | 2.9000 | 6600.0 | 85  | 17810 | No |
| 56  | GOM_NL__2PRFIN20050727_072449_000000632039_00221_17810_5610.N1 | 27-JUL-2005 07:24:49 | Bright         | 63.000 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 126 | 17810 | No |
| 57  | GOM_NL__2PRFIN20050727_072709_000000652039_00221_17810_5611.N1 | 27-JUL-2005 07:27:09 | Bright         | 65.000 | 59  | 55Alp Oph | 2.0800 | 8900.0 | 130 | 17810 | No |
| 58  | GOM_NL__2PRFIN20050727_073730_000000642039_00221_17810_5612.N1 | 27-JUL-2005 07:37:30 | Bright         | 63.500 | 69  | 33Gam Dra | 2.2310 | 3800.0 | 127 | 17810 | No |
| 59  | GOM_NL__2PRFIN20050727_074117_000000632039_00221_17810_5613.N1 | 27-JUL-2005 07:41:17 | Bright         | 63.000 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 126 | 17810 | No |
| 60  | GOM_NL__2PRFIN20050727_074530_000000622039_00221_17810_5614.N1 | 27-JUL-2005 07:45:30 | Bright         | 61.500 | 60  | 7Bet UMi  | 2.0810 | 3950.0 | 123 | 17810 | No |
| 61  | GOM_NL__2PRFIN20050727_081433_000000612039_00221_17810_5615.N1 | 27-JUL-2005 08:14:33 | Dark           | 60.500 | 33  | 50Zet Ori | 1.7660 | 30000. | 121 | 17810 | No |
| 62  | GOM_NL__2PRFIN20050727_081634_000000622039_00221_17810_5616.N1 | 27-JUL-2005 08:16:34 | Dark           | 61.500 | 56  | 53Kap Ori | 2.0650 | 30000. | 123 | 17810 | No |
| 63  | GOM_NL__2PRFIN20050727_081827_000000652039_00221_17810_5617.N1 | 27-JUL-2005 08:18:27 | Dark           | 64.500 | 47  | 2Bet CMa  | 1.9760 | 28000. | 129 | 17810 | No |
| 64  | GOM_NL__2PRFIN20050727_082149_000000652039_00221_17810_5618.N1 | 27-JUL-2005 08:21:49 | Dark           | 65.000 | 177 | 1Zet CMa  | 3.0220 | 26000. | 130 | 17810 | No |
| 65  | GOM_NL__2PRFIN20050727_083826_000000652039_00222_17811_5606.N1 | 27-JUL-2005 08:38:26 | Dark           | 64.500 | 135 | Bet Hyi   | 2.8200 | 5800.0 | 129 | 17811 | No |
| 66  | GOM_NL__2PRFIN20050727_084630_000000662039_00222_17811_5607.N1 | 27-JUL-2005 08:46:30 | Straylight     | 65.500 | 45  | Alp Pav   | 1.9400 | 26000. | 131 | 17811 | No |
| 67  | GOM_NL__2PRFIN20050727_085408_000000672039_00222_17811_5608.N1 | 27-JUL-2005 08:54:08 | Bright         | 66.500 | 38  | 20Eps Sgr | 1.8360 | 11000. | 133 | 17811 | No |
| 68  | GOM_NL__2PRFIN20050727_085722_000000432039_00222_17811_5609.N1 | 27-JUL-2005 08:57:22 | Tw_i_and_stray | 42.500 | 155 | 41Pi Sgr  | 2.9000 | 6600.0 | 85  | 17811 | No |
| 69  | GOM_NL__2PRFIN20050727_090525_000000632039_00222_17811_5610.N1 | 27-JUL-2005 09:05:25 | Bright         | 62.500 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 125 | 17811 | No |
| 70  | GOM_NL__2PRFIN20050727_090745_000000662039_00222_17811_5611.N1 | 27-JUL-2005 09:07:45 | Bright         | 65.500 | 59  | 55Alp Oph | 2.0800 | 8900.0 | 131 | 17811 | No |
| 71  | GOM_NL__2PRFIN20050727_091806_000000642039_00222_17811_5612.N1 | 27-JUL-2005 09:18:06 | Bright         | 64.000 | 69  | 33Gam Dra | 2.2310 | 3800.0 | 128 | 17811 | No |
| 72  | GOM_NL__2PRFIN20050727_092153_000000642039_00222_17811_5613.N1 | 27-JUL-2005 09:21:53 | Bright         | 63.500 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 127 | 17811 | No |
| 73  | GOM_NL__2PRFIN20050727_092606_000000612039_00222_17811_5614.N1 | 27-JUL-2005 09:26:06 | Bright         | 60.500 | 60  | 7Bet UMi  | 2.0810 | 3950.0 | 121 | 17811 | No |
| 74  | GOM_NL__2PRFIN20050727_095509_000000612039_00222_17811_5615.N1 | 27-JUL-2005 09:55:09 | Dark           | 61.000 | 33  | 50Zet Ori | 1.7660 | 30000. | 122 | 17811 | No |
| 75  | GOM_NL__2PRFIN20050727_095710_000000612039_00222_17811_5616.N1 | 27-JUL-2005 09:57:10 | Dark           | 60.500 | 56  | 53Kap Ori | 2.0650 | 30000. | 121 | 17811 | No |
| 76  | GOM_NL__2PRFIN20050727_095903_000000652039_00222_17811_5617.N1 | 27-JUL-2005 09:59:03 | Dark           | 65.000 | 47  | 2Bet CMa  | 1.9760 | 28000. | 130 | 17811 | No |
| 77  | GOM_NL__2PRFIN20050727_100226_000000662039_00222_17811_5618.N1 | 27-JUL-2005 10:02:26 | Dark           | 65.500 | 177 | 1Zet CMa  | 3.0220 | 26000. | 131 | 17811 | No |
| 78  | GOM_NL__2PRFIN20050727_101902_000000652039_00223_17812_5626.N1 | 27-JUL-2005 10:19:02 | Dark           | 64.500 | 135 | Bet Hyi   | 2.8200 | 5800.0 | 129 | 17812 | No |
| 79  | GOM_NL__2PRFIN20050727_102706_000000682039_00223_17812_5627.N1 | 27-JUL-2005 10:27:06 | Straylight     | 67.500 | 45  | Alp Pav   | 1.9400 | 26000. | 135 | 17812 | No |
| 80  | GOM_NL__2PRFIN20050727_103444_000000692039_00223_17812_5628.N1 | 27-JUL-2005 10:34:44 | Bright         | 68.500 | 38  | 20Eps Sgr | 1.8360 | 11000. | 137 | 17812 | No |
| 81  | GOM_NL__2PRFIN20050727_103758_000000592039_00223_17812_5629.N1 | 27-JUL-2005 10:37:58 | Bright         | 58.500 | 155 | 41Pi Sgr  | 2.9000 | 6600.0 | 117 | 17812 | No |
| 82  | GOM_NL__2PRFIN20050727_104601_000000632039_00223_17812_5630.N1 | 27-JUL-2005 10:46:01 | Bright         | 62.500 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 125 | 17812 | No |
| 83  | GOM_NL__2PRFIN20050727_104821_000000652039_00223_17812_5631.N1 | 27-JUL-2005 10:48:21 | Bright         | 64.500 | 59  | 55Alp Oph | 2.0800 | 8900.0 | 129 | 17812 | No |
| 84  | GOM_NL__2PRFIN20050727_105841_000000662039_00223_17812_5632.N1 | 27-JUL-2005 10:58:41 | Bright         | 65.500 | 69  | 33Gam Dra | 2.2310 | 3800.0 | 131 | 17812 | No |
| 85  | GOM_NL__2PRFIN20050727_110229_000000632039_00223_17812_5633.N1 | 27-JUL-2005 11:02:29 | Bright         | 63.000 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 126 | 17812 | No |
| 86  | GOM_NL__2PRFIN20050727_110642_000000792039_00223_17812_5634.N1 | 27-JUL-2005 11:06:42 | Bright         | 79.000 | 60  | 7Bet UMi  | 2.0810 | 3950.0 | 158 | 17812 | No |
| 87  | GOM_NL__2PRFIN20050727_113545_000000612039_00223_17812_5635.N1 | 27-JUL-2005 11:35:45 | Dark           | 61.000 | 33  | 50Zet Ori | 1.7660 | 30000. | 122 | 17812 | No |
| 88  | GOM_NL__2PRFIN20050727_113746_000000612039_00223_17812_5636.N1 | 27-JUL-2005 11:37:46 | Dark           | 61.000 | 56  | 53Kap Ori | 2.0650 | 30000. | 122 | 17812 | No |
| 89  | GOM_NL__2PRFIN20050727_113939_000000672039_00223_17812_5637.N1 | 27-JUL-2005 11:39:39 | Dark           | 66.500 | 47  | 2Bet CMa  | 1.9760 | 28000. | 133 | 17812 | No |
| 90  | GOM_NL__2PRFIN20050727_114301_000000652039_00223_17812_5638.N1 | 27-JUL-2005 11:43:01 | Dark           | 65.000 | 177 | 1Zet CMa  | 3.0220 | 26000. | 130 | 17812 | No |
| 91  | GOM_NL__2PRFIN20050727_115938_000000642039_00224_17813_5626.N1 | 27-JUL-2005 11:59:38 | Dark           | 63.500 | 135 | Bet Hyi   | 2.8200 | 5800.0 | 127 | 17813 | No |
| 92  | GOM_NL__2PRFIN20050727_120742_000000662039_00224_17813_5627.N1 | 27-JUL-2005 12:07:42 | Straylight     | 65.500 | 45  | Alp Pav   | 1.9400 | 26000. | 131 | 17813 | No |
| 93  | GOM_NL__2PRFIN20050727_121520_000000672039_00224_17813_5628.N1 | 27-JUL-2005 12:15:20 | Bright         | 66.500 | 38  | 20Eps Sgr | 1.8360 | 11000. | 133 | 17813 | No |
| 94  | GOM_NL__2PRFIN20050727_121834_000000592039_00224_17813_5629.N1 | 27-JUL-2005 12:18:34 | Bright         | 59.000 | 155 | 41Pi Sgr  | 2.9000 | 6600.0 | 118 | 17813 | No |
| 95  | GOM_NL__2PRFIN20050727_122637_000000652039_00224_17813_5630.N1 | 27-JUL-2005 12:26:37 | Bright         | 65.000 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 130 | 17813 | No |
| 96  | GOM_NL__2PRFIN20050727_122857_000000652039_00224_17813_5631.N1 | 27-JUL-2005 12:28:57 | Bright         | 65.000 | 59  | 55Alp Oph | 2.0800 | 8900.0 | 130 | 17813 | No |
| 97  | GOM_NL__2PRFIN20050727_123917_000000662039_00224_17813_5632.N1 | 27-JUL-2005 12:39:17 | Bright         | 66.000 | 69  | 33Gam Dra | 2.2310 | 3800.0 | 132 | 17813 | No |
| 98  | GOM_NL__2PRFIN20050727_124305_000000642039_00224_17813_5633.N1 | 27-JUL-2005 12:43:05 | Bright         | 63.500 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 127 | 17813 | No |
| 99  | GOM_NL__2PRFIN20050727_124718_000000792039_00224_17813_5634.N1 | 27-JUL-2005 12:47:18 | Bright         | 79.000 | 60  | 7Bet UMi  | 2.0810 | 3950.0 | 158 | 17813 | No |
| 100 | GOM_NL__2PRFIN20050727_131622_000000612039_00224_17813_5635.N1 | 27-JUL-2005 13:16:22 | Dark           | 61.000 | 33  | 50Zet Ori | 1.7660 | 30000. | 122 | 17813 | No |
| 101 | GOM_NL__2PRFIN20050727_131823_000000642039_00224_17813_5636.N1 | 27-JUL-2005 13:18:23 | Dark           | 64.000 | 56  | 53Kap Ori | 2.0650 | 30000. | 128 | 17813 | No |



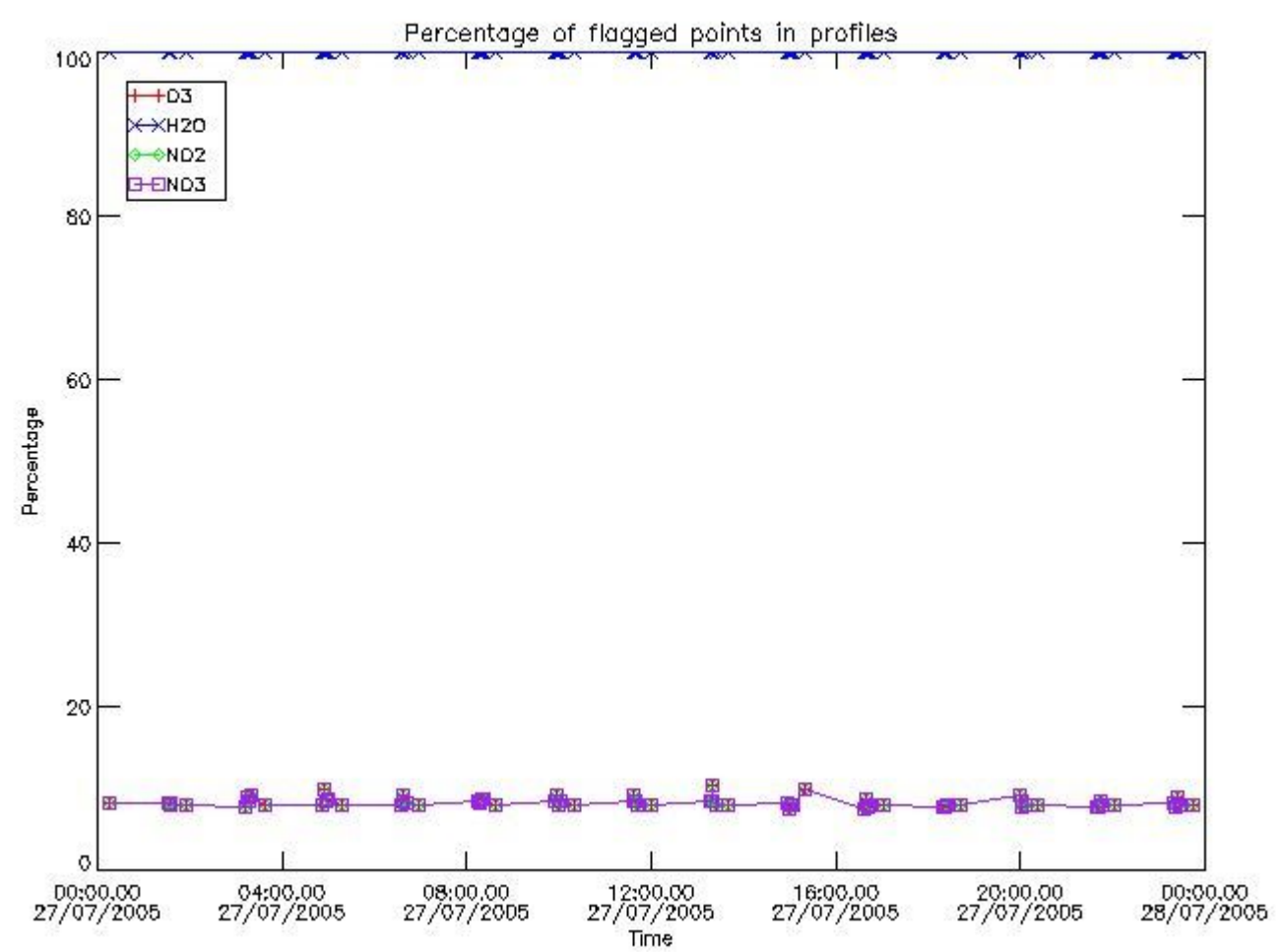
|     |  |                      |            |        |     |           |        |        |     |       |    |
|-----|--|----------------------|------------|--------|-----|-----------|--------|--------|-----|-------|----|
| 102 | GOM_NL__2PRFIN20050727_132015_000000662039_00224_17813_5637.N1 | 27-JUL-2005 13:20:15 | Dark       | 66.000 | 47  | 2Bet CMa  | 1.9760 | 28000. | 132 | 17813 | No |
| 103 | GOM_NL__2PRFIN20050727_132337_000000642039_00224_17813_5638.N1 | 27-JUL-2005 13:23:37 | Dark       | 63.500 | 177 | 1Zet CMa  | 3.0220 | 26000. | 127 | 17813 | No |
| 104 | GOM_NL__2PRFIN20050727_134014_000000642039_00225_17814_5626.N1 | 27-JUL-2005 13:40:14 | Dark       | 64.000 | 135 | Bet Hyi   | 2.8200 | 5800.0 | 128 | 17814 | No |
| 105 | GOM_NL__2PRFIN20050727_134818_000000672039_00225_17814_5627.N1 | 27-JUL-2005 13:48:18 | Straylight | 66.500 | 45  | Alp Pav   | 1.9400 | 26000. | 133 | 17814 | No |
| 106 | GOM_NL__2PRFIN20050727_135556_000000682039_00225_17814_5628.N1 | 27-JUL-2005 13:55:56 | Bright     | 67.500 | 38  | 20Eps Sgr | 1.8360 | 11000. | 135 | 17814 | No |
| 107 | GOM_NL__2PRFIN20050727_135910_000000632039_00225_17814_5629.N1 | 27-JUL-2005 13:59:10 | Bright     | 62.500 | 155 | 41Pi Sgr  | 2.9000 | 6600.0 | 125 | 17814 | No |
| 108 | GOM_NL__2PRFIN20050727_140713_000000642039_00225_17814_5630.N1 | 27-JUL-2005 14:07:13 | Bright     | 64.000 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 128 | 17814 | No |
| 109 | GOM_NL__2PRFIN20050727_140934_000000652039_00225_17814_5631.N1 | 27-JUL-2005 14:09:34 | Bright     | 64.500 | 59  | 55Alp Oph | 2.0800 | 8900.0 | 129 | 17814 | No |
| 110 | GOM_NL__2PRFIN20050727_141953_000000642039_00225_17814_5632.N1 | 27-JUL-2005 14:19:53 | Bright     | 64.000 | 69  | 33Gam Dra | 2.2310 | 3800.0 | 128 | 17814 | No |
| 111 | GOM_NL__2PRFIN20050727_142342_000000642039_00225_17814_5633.N1 | 27-JUL-2005 14:23:42 | Bright     | 64.000 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 128 | 17814 | No |
| 112 | GOM_NL__2PRFIN20050727_142754_000000792039_00225_17814_5634.N1 | 27-JUL-2005 14:27:54 | Bright     | 79.000 | 60  | 7Bet UMi  | 2.0810 | 3950.0 | 158 | 17814 | No |
| 113 | GOM_NL__2PRFIN20050727_145658_000000622039_00225_17814_5635.N1 | 27-JUL-2005 14:56:58 | Dark       | 62.000 | 33  | 50Zet Ori | 1.7660 | 30000. | 124 | 17814 | No |
| 114 | GOM_NL__2PRFIN20050727_145859_000000682039_00225_17814_5636.N1 | 27-JUL-2005 14:58:59 | Dark       | 68.000 | 56  | 53Kap Ori | 2.0650 | 30000. | 136 | 17814 | No |
| 115 | GOM_NL__2PRFIN20050727_150051_000000652039_00225_17814_5637.N1 | 27-JUL-2005 15:00:51 | Dark       | 65.000 | 47  | 2Bet CMa  | 1.9760 | 28000. | 130 | 17814 | No |
| 116 | GOM_NL__2PRFIN20050727_150413_000000652039_00225_17814_5638.N1 | 27-JUL-2005 15:04:13 | Dark       | 64.500 | 177 | 1Zet CMa  | 3.0220 | 26000. | 129 | 17814 | No |
| 117 | GOM_NL__2PRFIN20050727_152051_000000632039_00226_17815_5627.N1 | 27-JUL-2005 15:20:51 | Dark       | 62.500 | 135 | Bet Hyi   | 2.8200 | 5800.0 | 125 | 17815 | No |
| 118 | GOM_NL__2PRFIN20050727_152854_000000672039_00226_17815_5628.N1 | 27-JUL-2005 15:28:54 | Straylight | 67.000 | 45  | Alp Pav   | 1.9400 | 26000. | 134 | 17815 | No |
| 119 | GOM_NL__2PRFIN20050727_153632_000000672039_00226_17815_5629.N1 | 27-JUL-2005 15:36:32 | Bright     | 67.000 | 38  | 20Eps Sgr | 1.8360 | 11000. | 134 | 17815 | No |
| 120 | GOM_NL__2PRFIN20050727_153946_000000652039_00226_17815_5630.N1 | 27-JUL-2005 15:39:46 | Bright     | 65.000 | 155 | 41Pi Sgr  | 2.9000 | 6600.0 | 130 | 17815 | No |
| 121 | GOM_NL__2PRFIN20050727_154749_000000622039_00226_17815_5631.N1 | 27-JUL-2005 15:47:49 | Bright     | 62.000 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 124 | 17815 | No |
| 122 | GOM_NL__2PRFIN20050727_155010_000000632039_00226_17815_5632.N1 | 27-JUL-2005 15:50:10 | Bright     | 62.500 | 59  | 55Alp Oph | 2.0800 | 8900.0 | 125 | 17815 | No |
| 123 | GOM_NL__2PRFIN20050727_160029_000000622039_00226_17815_5633.N1 | 27-JUL-2005 16:00:29 | Bright     | 61.500 | 69  | 33Gam Dra | 2.2310 | 3800.0 | 123 | 17815 | No |
| 124 | GOM_NL__2PRFIN20050727_160418_000000652039_00226_17815_5634.N1 | 27-JUL-2005 16:04:18 | Bright     | 64.500 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 129 | 17815 | No |
| 125 | GOM_NL__2PRFIN20050727_160830_000000642039_00226_17815_5635.N1 | 27-JUL-2005 16:08:30 | Bright     | 63.500 | 60  | 7Bet UMi  | 2.0810 | 3950.0 | 127 | 17815 | No |
| 126 | GOM_NL__2PRFIN20050727_163734_000000682039_00226_17815_5636.N1 | 27-JUL-2005 16:37:34 | Dark       | 67.500 | 33  | 50Zet Ori | 1.7660 | 30000. | 135 | 17815 | No |
| 127 | GOM_NL__2PRFIN20050727_163935_000000652039_00226_17815_5637.N1 | 27-JUL-2005 16:39:35 | Dark       | 65.000 | 56  | 53Kap Ori | 2.0650 | 30000. | 130 | 17815 | No |
| 128 | GOM_NL__2PRFIN20050727_164127_000000672039_00226_17815_5638.N1 | 27-JUL-2005 16:41:27 | Dark       | 67.000 | 47  | 2Bet CMa  | 1.9760 | 28000. | 134 | 17815 | No |
| 129 | GOM_NL__2PRFIN20050727_164450_000000642039_00226_17815_5639.N1 | 27-JUL-2005 16:44:50 | Dark       | 64.000 | 177 | 1Zet CMa  | 3.0220 | 26000. | 128 | 17815 | No |
| 130 | GOM_NL__2PRFIN20050727_170127_000000642039_00227_17816_5628.N1 | 27-JUL-2005 17:01:27 | Dark       | 64.000 | 135 | Bet Hyi   | 2.8200 | 5800.0 | 128 | 17816 | No |
| 131 | GOM_NL__2PRFIN20050727_170931_000000662039_00227_17816_5629.N1 | 27-JUL-2005 17:09:31 | Straylight | 65.500 | 45  | Alp Pav   | 1.9400 | 26000. | 131 | 17816 | No |
| 132 | GOM_NL__2PRFIN20050727_171708_000000672039_00227_17816_5630.N1 | 27-JUL-2005 17:17:08 | Bright     | 66.500 | 38  | 20Eps Sgr | 1.8360 | 11000. | 133 | 17816 | No |
| 133 | GOM_NL__2PRFIN20050727_172023_000000652039_00227_17816_5631.N1 | 27-JUL-2005 17:20:23 | Bright     | 65.000 | 155 | 41Pi Sgr  | 2.9000 | 6600.0 | 130 | 17816 | No |
| 134 | GOM_NL__2PRFIN20050727_172826_000000642039_00227_17816_5632.N1 | 27-JUL-2005 17:28:26 | Bright     | 63.500 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 127 | 17816 | No |
| 135 | GOM_NL__2PRFIN20050727_173046_000000632039_00227_17816_5633.N1 | 27-JUL-2005 17:30:46 | Bright     | 63.000 | 59  | 55Alp Oph | 2.0800 | 8900.0 | 126 | 17816 | No |
| 136 | GOM_NL__2PRFIN20050727_174106_000000652039_00227_17816_5634.N1 | 27-JUL-2005 17:41:06 | Bright     | 65.000 | 69  | 33Gam Dra | 2.2310 | 3800.0 | 130 | 17816 | No |
| 137 | GOM_NL__2PRFIN20050727_174454_000000632039_00227_17816_5635.N1 | 27-JUL-2005 17:44:54 | Bright     | 62.500 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 125 | 17816 | No |
| 138 | GOM_NL__2PRFIN20050727_174907_000000632039_00227_17816_5636.N1 | 27-JUL-2005 17:49:07 | Bright     | 63.000 | 60  | 7Bet UMi  | 2.0810 | 3950.0 | 126 | 17816 | No |
| 139 | GOM_NL__2PRFIN20050727_181810_000000672039_00227_17816_5637.N1 | 27-JUL-2005 18:18:10 | Dark       | 66.500 | 33  | 50Zet Ori | 1.7660 | 30000. | 133 | 17816 | No |
| 140 | GOM_NL__2PRFIN20050727_182011_000000662039_00227_17816_5638.N1 | 27-JUL-2005 18:20:11 | Dark       | 65.500 | 56  | 53Kap Ori | 2.0650 | 30000. | 131 | 17816 | No |
| 141 | GOM_NL__2PRFIN20050727_182203_000000672039_00227_17816_5639.N1 | 27-JUL-2005 18:22:03 | Dark       | 66.500 | 47  | 2Bet CMa  | 1.9760 | 28000. | 133 | 17816 | No |
| 142 | GOM_NL__2PRFIN20050727_182526_000000652039_00227_17816_5640.N1 | 27-JUL-2005 18:25:26 | Dark       | 65.000 | 177 | 1Zet CMa  | 3.0220 | 26000. | 130 | 17816 | No |
| 143 | GOM_NL__2PRFIN20050727_184203_000000642039_00228_17817_5629.N1 | 27-JUL-2005 18:42:03 | Dark       | 64.000 | 135 | Bet Hyi   | 2.8200 | 5800.0 | 128 | 17817 | No |
| 144 | GOM_NL__2PRFIN20050727_185007_000000662039_00228_17817_5630.N1 | 27-JUL-2005 18:50:07 | Straylight | 65.500 | 45  | Alp Pav   | 1.9400 | 26000. | 131 | 17817 | No |
| 145 | GOM_NL__2PRFIN20050727_185744_000000632039_00228_17817_5631.N1 | 27-JUL-2005 18:57:44 | Bright     | 63.000 | 38  | 20Eps Sgr | 1.8360 | 11000. | 126 | 17817 | No |
| 146 | GOM_NL__2PRFIN20050727_190059_000000652039_00228_17817_5632.N1 | 27-JUL-2005 19:00:59 | Bright     | 65.000 | 155 | 41Pi Sgr  | 2.9000 | 6600.0 | 130 | 17817 | No |
| 147 | GOM_NL__2PRFIN20050727_190902_000000642039_00228_17817_5633.N1 | 27-JUL-2005 19:09:02 | Bright     | 64.000 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 128 | 17817 | No |
| 148 | GOM_NL__2PRFIN20050727_191122_000000652039_00228_17817_5634.N1 | 27-JUL-2005 19:11:22 | Bright     | 64.500 | 59  | 55Alp Oph | 2.0800 | 8900.0 | 129 | 17817 | No |
| 149 | GOM_NL__2PRFIN20050727_192142_000000652039_00228_17817_5635.N1 | 27-JUL-2005 19:21:42 | Bright     | 64.500 | 69  | 33Gam Dra | 2.2310 | 3800.0 | 129 | 17817 | No |
| 150 | GOM_NL__2PRFIN20050727_192530_000000632039_00228_17817_5636.N1 | 27-JUL-2005 19:25:30 | Bright     | 63.000 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 126 | 17817 | No |
| 151 | GOM_NL__2PRFIN20050727_192943_000000612039_00228_17817_5637.N1 | 27-JUL-2005 19:29:43 | Bright     | 61.000 | 60  | 7Bet UMi  | 2.0810 | 3950.0 | 122 | 17817 | No |
| 152 | GOM_NL__2PRFIN20050727_195846_000000662039_00228_17817_5638.N1 | 27-JUL-2005 19:58:46 | Dark       | 66.000 | 33  | 50Zet Ori | 1.7660 | 30000. | 132 | 17817 | No |
| 153 | GOM_NL__2PRFIN20050727_200047_000000662039_00228_17817_5639.N1 | 27-JUL-2005 20:00:47 | Dark       | 65.500 | 56  | 53Kap Ori | 2.0650 | 30000. | 131 | 17817 | No |
| 154 | GOM_NL__2PRFIN20050727_200239_000000662039_00228_17817_5640.N1 | 27-JUL-2005 20:02:39 | Dark       | 66.000 | 47  | 2Bet CMa  | 1.9760 | 28000. | 132 | 17817 | No |
| 155 | GOM_NL__2PRFIN20050727_200602_000000642039_00228_17817_5641.N1 | 27-JUL-2005 20:06:02 | Dark       | 64.000 | 177 | 1Zet CMa  | 3.0220 | 26000. | 128 | 17817 | No |
| 156 | GOM_NL__2PRFIN20050727_202239_000000652039_00229_17818_5631.N1 | 27-JUL-2005 20:22:39 | Dark       | 64.500 | 135 | Bet Hyi   | 2.8200 | 5800.0 | 129 | 17818 | No |
| 157 | GOM_NL__2PRFIN20050727_203043_000000662039_00229_17818_5632.N1 | 27-JUL-2005 20:30:43 | Straylight | 66.000 | 45  | Alp Pav   | 1.9400 | 26000. | 132 | 17818 | No |
| 158 | GOM_NL__2PRFIN20050727_203820_000000682039_00229_17818_5633.N1 | 27-JUL-2005 20:38:20 | Bright     | 67.500 | 38  | 20Eps Sgr | 1.8360 | 11000. | 135 | 17818 | No |
| 159 | GOM_NL__2PRFIN20050727_204135_000000642039_00229_17818_5634.N1 | 27-JUL-2005 20:41:35 | Bright     | 63.500 | 155 | 41Pi Sgr  | 2.9000 | 6600.0 | 127 | 17818 | No |
| 160 | GOM_NL__2PRFIN20050727_204938_000000642039_00229_17818_5635.N1 | 27-JUL-2005 20:49:38 | Bright     | 64.000 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 128 | 17818 | No |

|     |  |                      |            |        |     |           |        |        |     |       |    |
|-----|--|----------------------|------------|--------|-----|-----------|--------|--------|-----|-------|----|
| 161 | GOM_NL__2PRFIN20050727_205159_000000652039_00229_17818_5636.N1 | 27-JUL-2005 20:51:59 | Bright     | 65.000 | 59  | 55Alp Oph | 2.0800 | 8900.0 | 130 | 17818 | No |
| 162 | GOM_NL__2PRFIN20050727_210218_000000632039_00229_17818_5637.N1 | 27-JUL-2005 21:02:18 | Bright     | 63.000 | 69  | 33Gam Dra | 2.2310 | 3800.0 | 126 | 17818 | No |
| 163 | GOM_NL__2PRFIN20050727_210606_000000642039_00229_17818_5638.N1 | 27-JUL-2005 21:06:06 | Bright     | 63.500 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 127 | 17818 | No |
| 164 | GOM_NL__2PRFIN20050727_211019_000000632039_00229_17818_5639.N1 | 27-JUL-2005 21:10:19 | Bright     | 63.000 | 60  | 7Bet UMi  | 2.0810 | 3950.0 | 126 | 17818 | No |
| 165 | GOM_NL__2PRFIN20050727_213923_000000672039_00229_17818_5640.N1 | 27-JUL-2005 21:39:23 | Dark       | 67.000 | 33  | 50Zet Ori | 1.7660 | 30000. | 134 | 17818 | No |
| 166 | GOM_NL__2PRFIN20050727_214124_000000662039_00229_17818_5641.N1 | 27-JUL-2005 21:41:24 | Dark       | 66.000 | 56  | 53Kap Ori | 2.0650 | 30000. | 132 | 17818 | No |
| 167 | GOM_NL__2PRFIN20050727_214315_000000662039_00229_17818_5642.N1 | 27-JUL-2005 21:43:15 | Dark       | 65.500 | 47  | 2Bet CMa  | 1.9760 | 28000. | 131 | 17818 | No |
| 168 | GOM_NL__2PRFIN20050727_214638_000000642039_00229_17818_5643.N1 | 27-JUL-2005 21:46:38 | Dark       | 64.000 | 177 | 1Zet CMa  | 3.0220 | 26000. | 128 | 17818 | No |
| 169 | GOM_NL__2PRFIN20050727_220315_000000642039_00230_17819_5632.N1 | 27-JUL-2005 22:03:15 | Dark       | 64.000 | 135 | Bet Hyi   | 2.8200 | 5800.0 | 128 | 17819 | No |
| 170 | GOM_NL__2PRFIN20050727_221119_000000652039_00230_17819_5633.N1 | 27-JUL-2005 22:11:19 | Straylight | 65.000 | 45  | Alp Pav   | 1.9400 | 26000. | 130 | 17819 | No |
| 171 | GOM_NL__2PRFIN20050727_221856_000000672039_00230_17819_5634.N1 | 27-JUL-2005 22:18:56 | Bright     | 66.500 | 38  | 20Eps Sgr | 1.8360 | 11000. | 133 | 17819 | No |
| 172 | GOM_NL__2PRFIN20050727_222211_000000642039_00230_17819_5635.N1 | 27-JUL-2005 22:22:11 | Bright     | 64.000 | 155 | 41Pi Sgr  | 2.9000 | 6600.0 | 128 | 17819 | No |
| 173 | GOM_NL__2PRFIN20050727_223014_000000652039_00230_17819_5636.N1 | 27-JUL-2005 22:30:14 | Bright     | 65.000 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 130 | 17819 | No |
| 174 | GOM_NL__2PRFIN20050727_223235_000000662039_00230_17819_5637.N1 | 27-JUL-2005 22:32:35 | Bright     | 66.000 | 59  | 55Alp Oph | 2.0800 | 8900.0 | 132 | 17819 | No |
| 175 | GOM_NL__2PRFIN20050727_224254_000000642039_00230_17819_5638.N1 | 27-JUL-2005 22:42:54 | Bright     | 63.500 | 69  | 33Gam Dra | 2.2310 | 3800.0 | 127 | 17819 | No |
| 176 | GOM_NL__2PRFIN20050727_224643_000000632039_00230_17819_5639.N1 | 27-JUL-2005 22:46:43 | Bright     | 63.000 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 126 | 17819 | No |
| 177 | GOM_NL__2PRFIN20050727_225055_000000602039_00230_17819_5640.N1 | 27-JUL-2005 22:50:55 | Bright     | 59.500 | 60  | 7Bet UMi  | 2.0810 | 3950.0 | 119 | 17819 | No |
| 178 | GOM_NL__2PRFIN20050727_231959_000000692039_00230_17819_5641.N1 | 27-JUL-2005 23:19:59 | Dark       | 68.500 | 33  | 50Zet Ori | 1.7660 | 30000. | 137 | 17819 | No |
| 179 | GOM_NL__2PRFIN20050727_232200_000000672039_00230_17819_5642.N1 | 27-JUL-2005 23:22:00 | Dark       | 66.500 | 56  | 53Kap Ori | 2.0650 | 30000. | 133 | 17819 | No |
| 180 | GOM_NL__2PRFIN20050727_232351_000000632039_00230_17819_5643.N1 | 27-JUL-2005 23:23:51 | Dark       | 63.000 | 47  | 2Bet CMa  | 1.9760 | 28000. | 126 | 17819 | No |
| 181 | GOM_NL__2PRFIN20050727_232714_000000642039_00230_17819_5644.N1 | 27-JUL-2005 23:27:14 | Dark       | 63.500 | 177 | 1Zet CMa  | 3.0220 | 26000. | 127 | 17819 | No |
| 182 | GOM_NL__2PRFIN20050727_234351_000000642039_00231_17820_5641.N1 | 27-JUL-2005 23:43:51 | Dark       | 64.000 | 135 | Bet Hyi   | 2.8200 | 5800.0 | 128 | 17820 | No |
| 183 | GOM_NL__2PRFIN20050727_235155_000000652039_00231_17820_5642.N1 | 27-JUL-2005 23:51:55 | Straylight | 65.000 | 45  | Alp Pav   | 1.9400 | 26000. | 130 | 17820 | No |
| 184 | GOM_NL__2PRFIN20050727_235932_000000672039_00231_17820_5643.N1 | 27-JUL-2005 23:59:32 | Bright     | 66.500 | 38  | 20Eps Sgr | 1.8360 | 11000. | 133 | 17820 | No |

### 3. Quality information per product

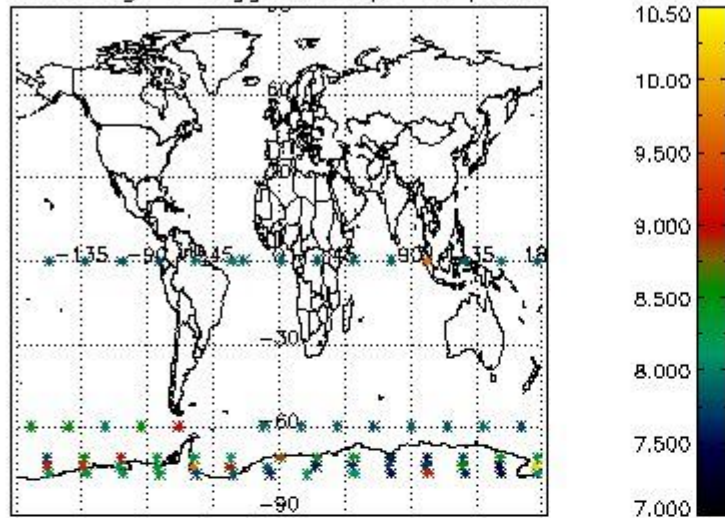
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

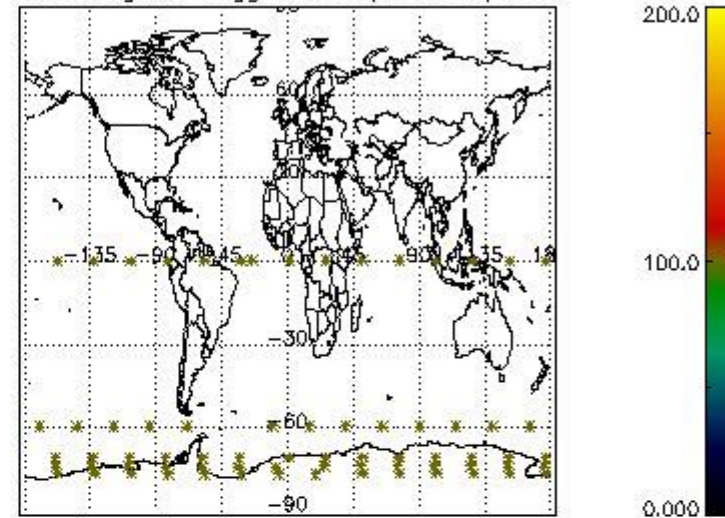


3.2 Plot quality information per product (world map)

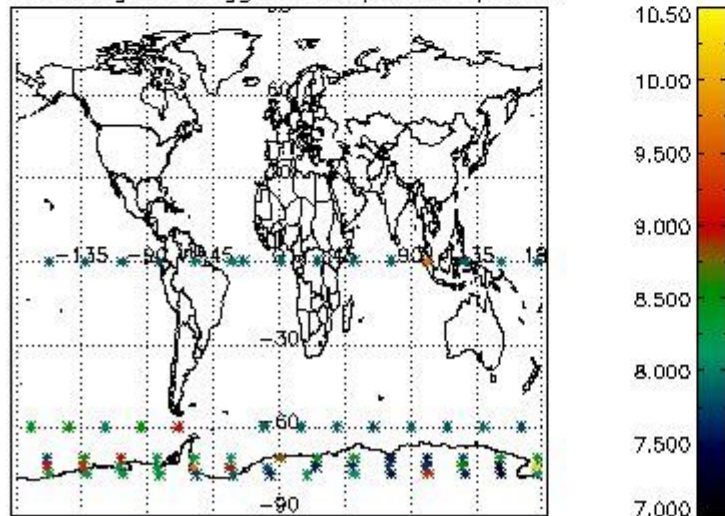
Percentage of flagged data per O3 profile



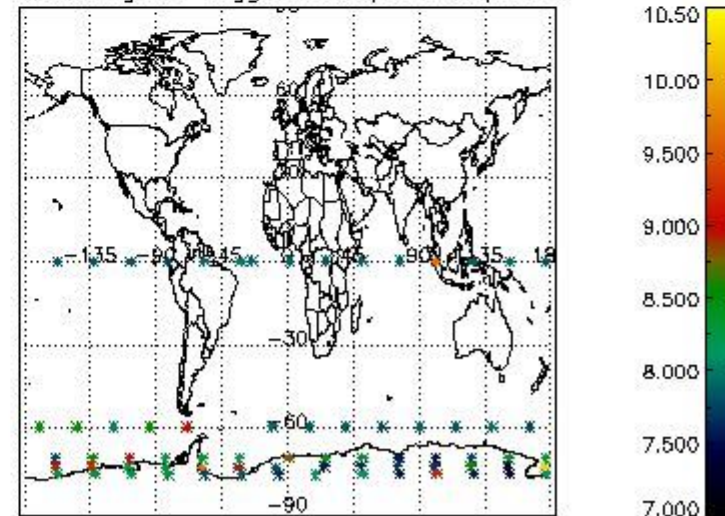
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile



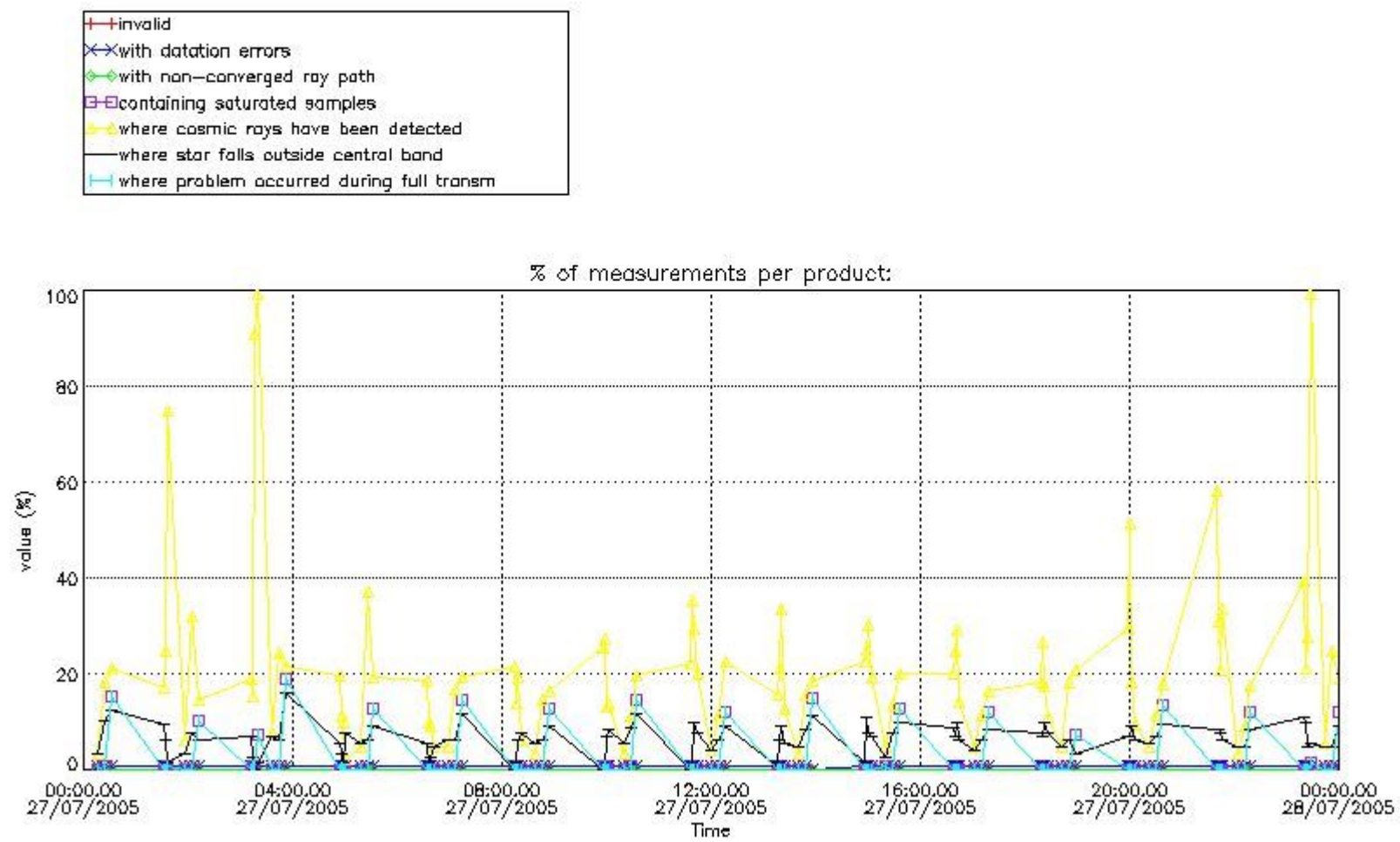
#### 4. Level 1 quality information per product

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.

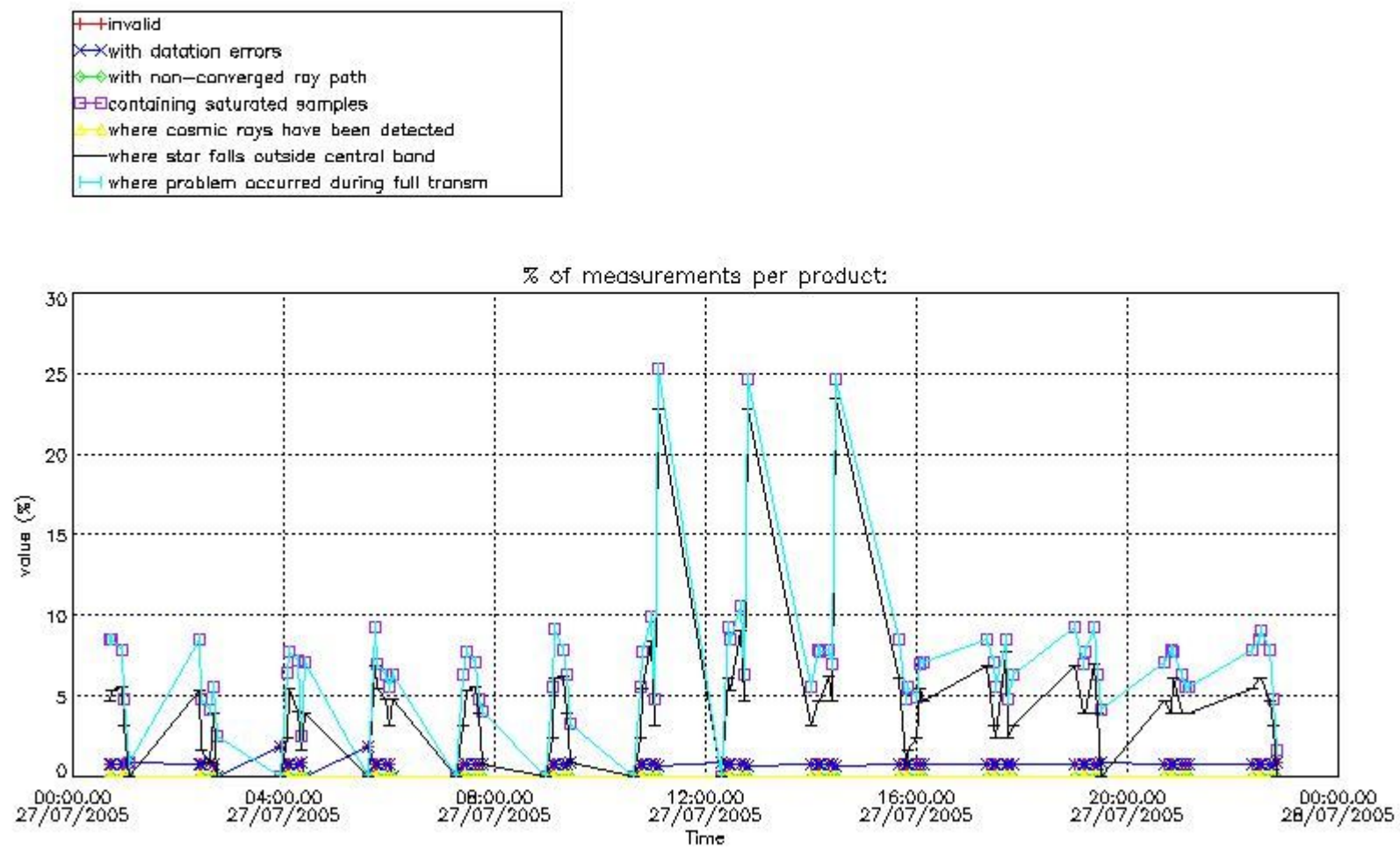
##### 4.1 Plot quality information per product (time dependant) coming from level 1b processing

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





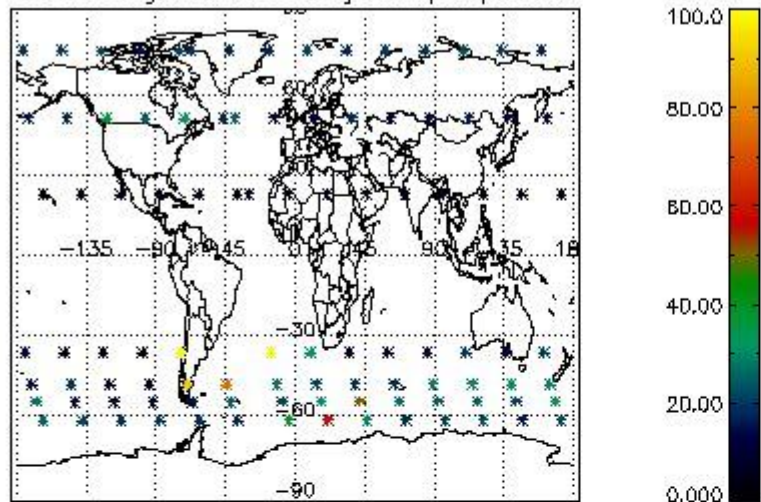
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



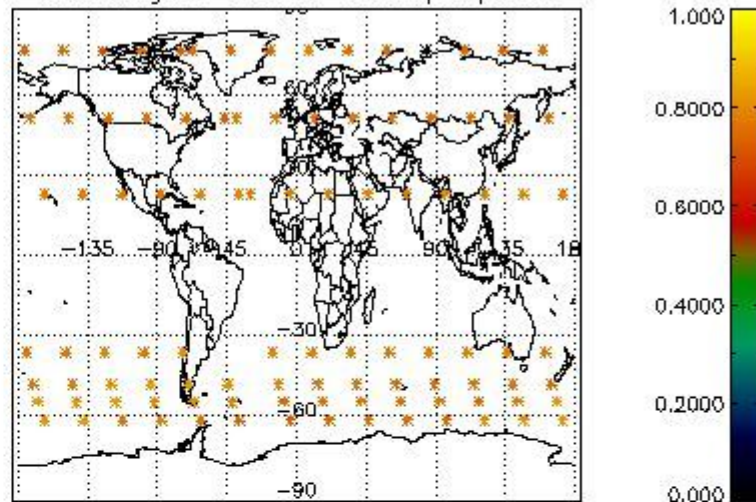
4.2 Plot quality information per product coming from level 1b processing (world map)

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

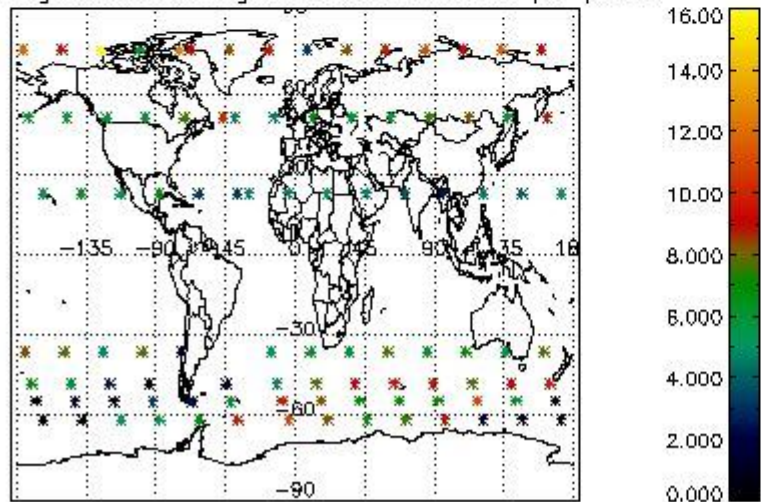
Percentage of cosmic ray hits per profile



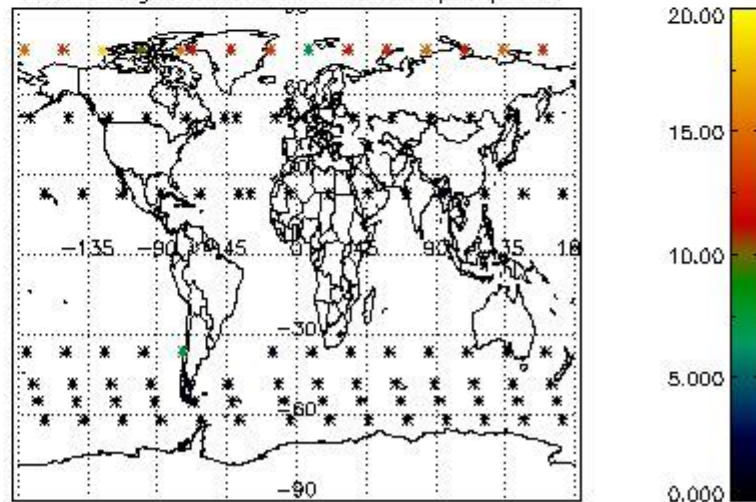
Percentage of datation errors per profile



Percentage of star falling outside central band per profile



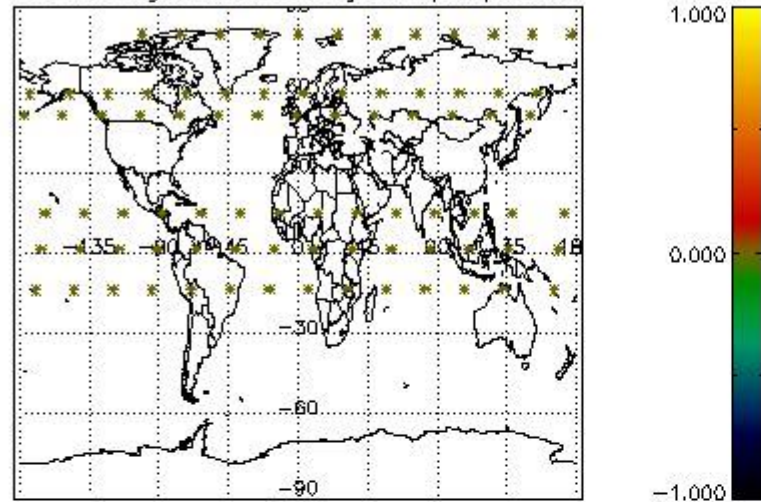
Percentage of saturation errors per profile



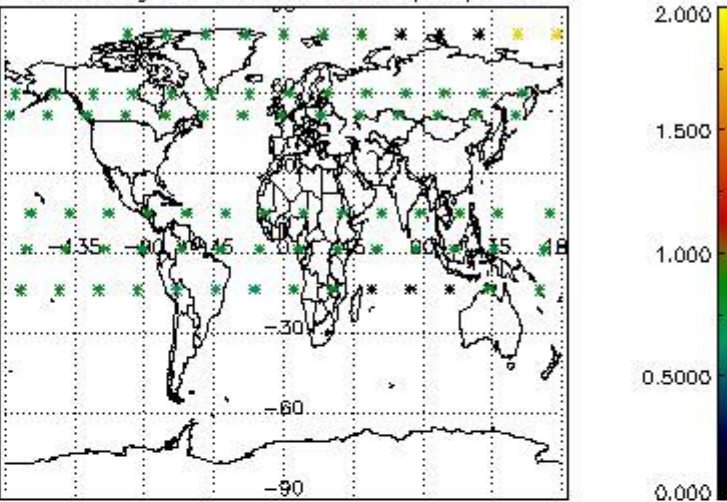
4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes



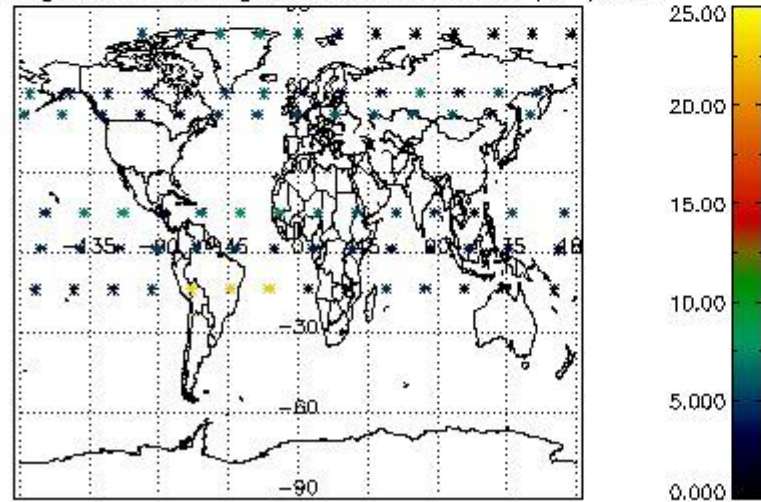
Percentage of cosmic ray hits per profile



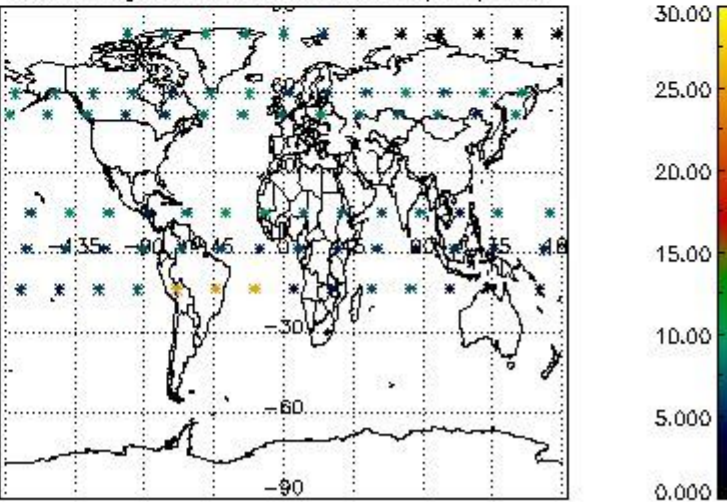
Percentage of datation errors per profile



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

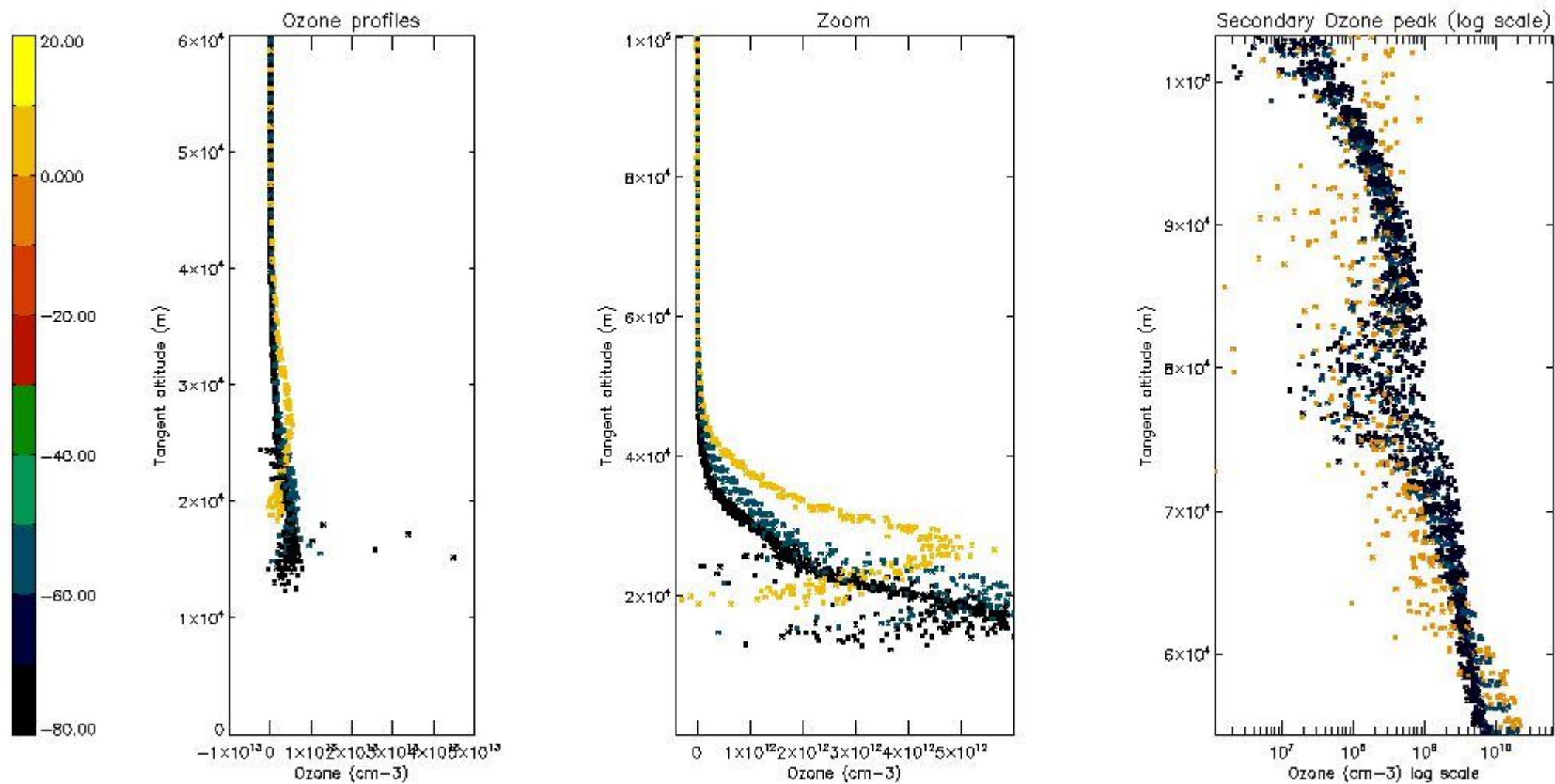
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

| Criteria | % of total production |
|----------|-----------------------|
| All STD  | 39                    |
| STD < 20 | 15                    |

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

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

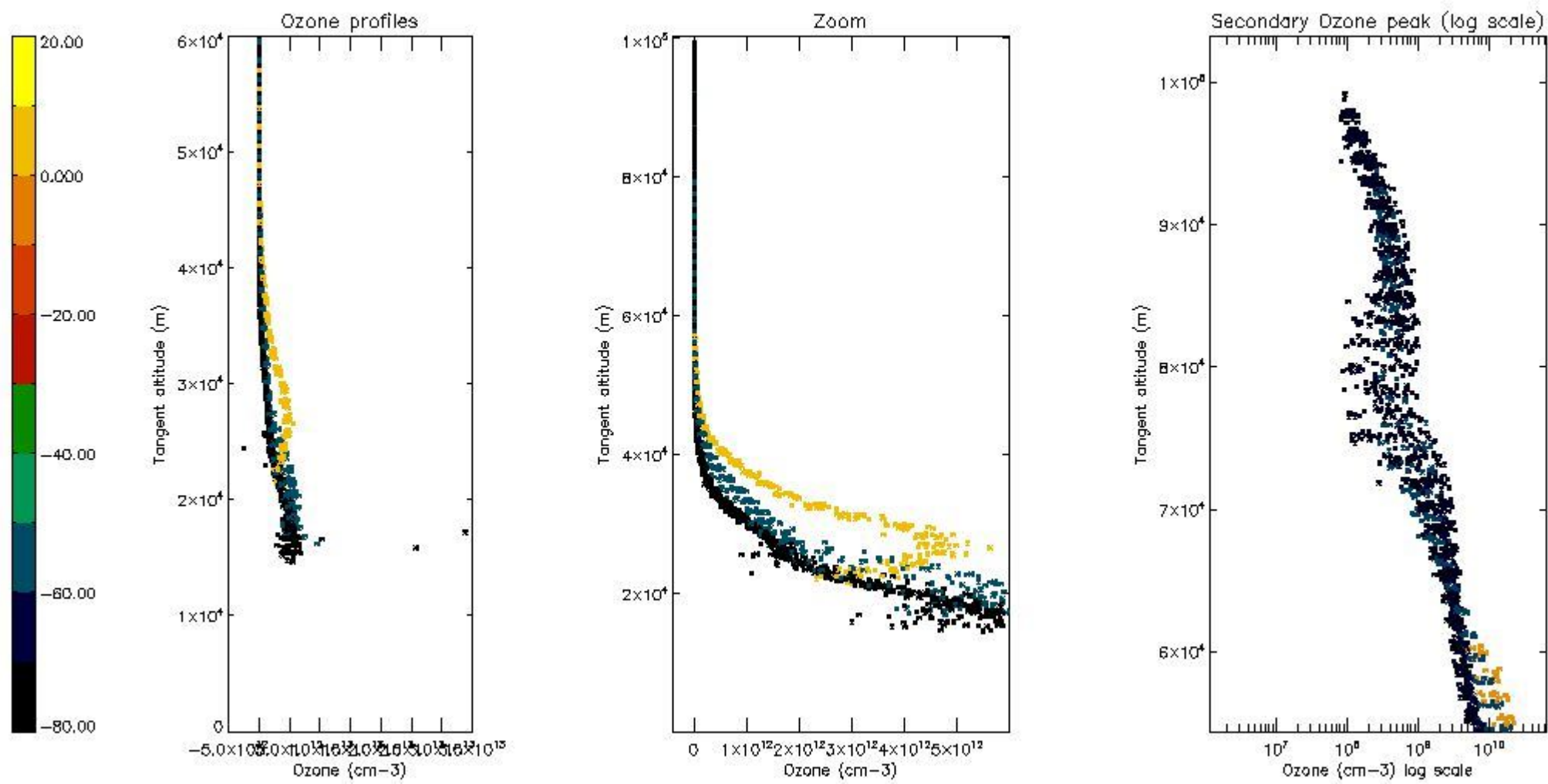
The colorbar represents the latitude.



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

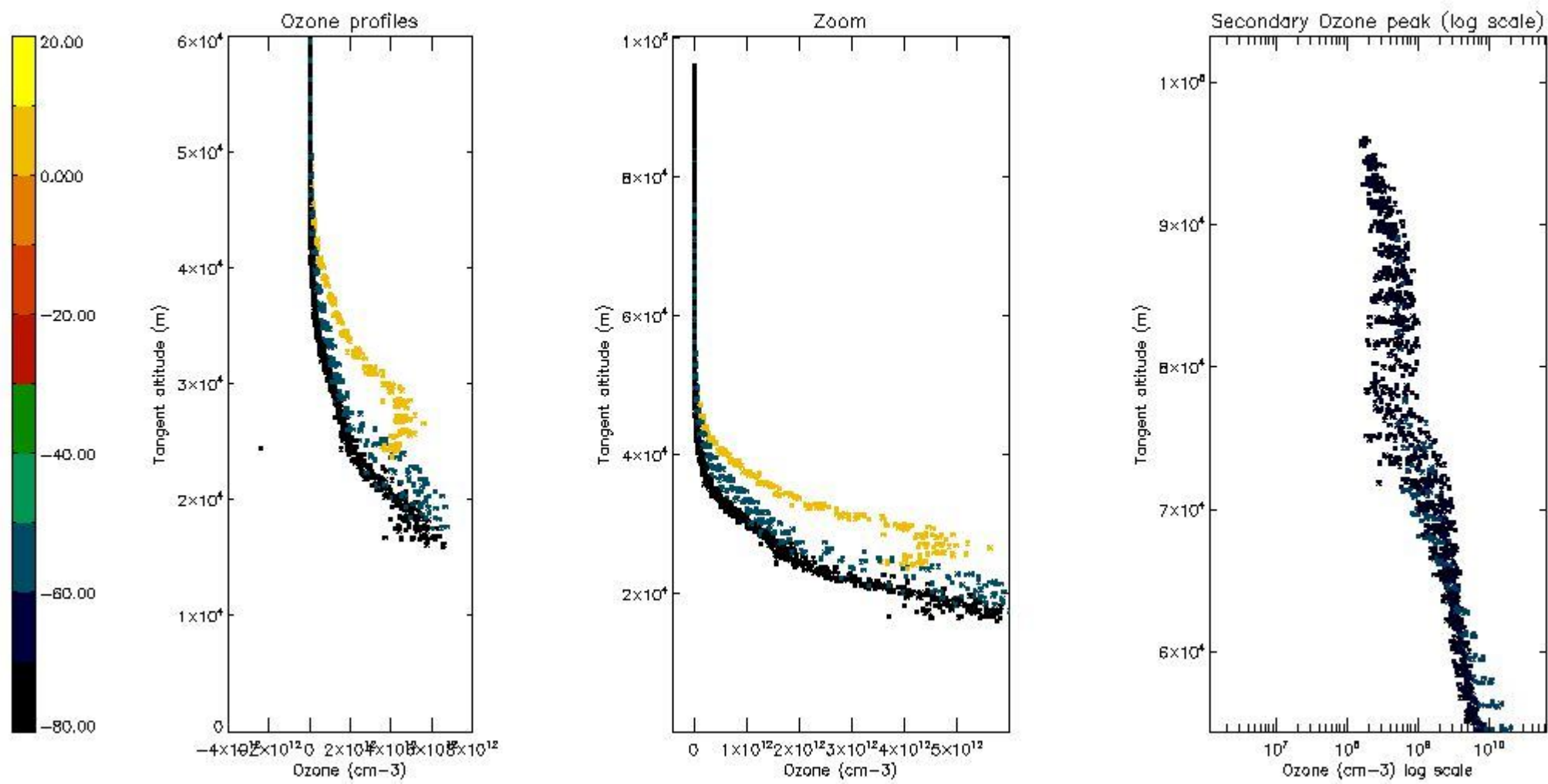
The colorbar represents the latitude.





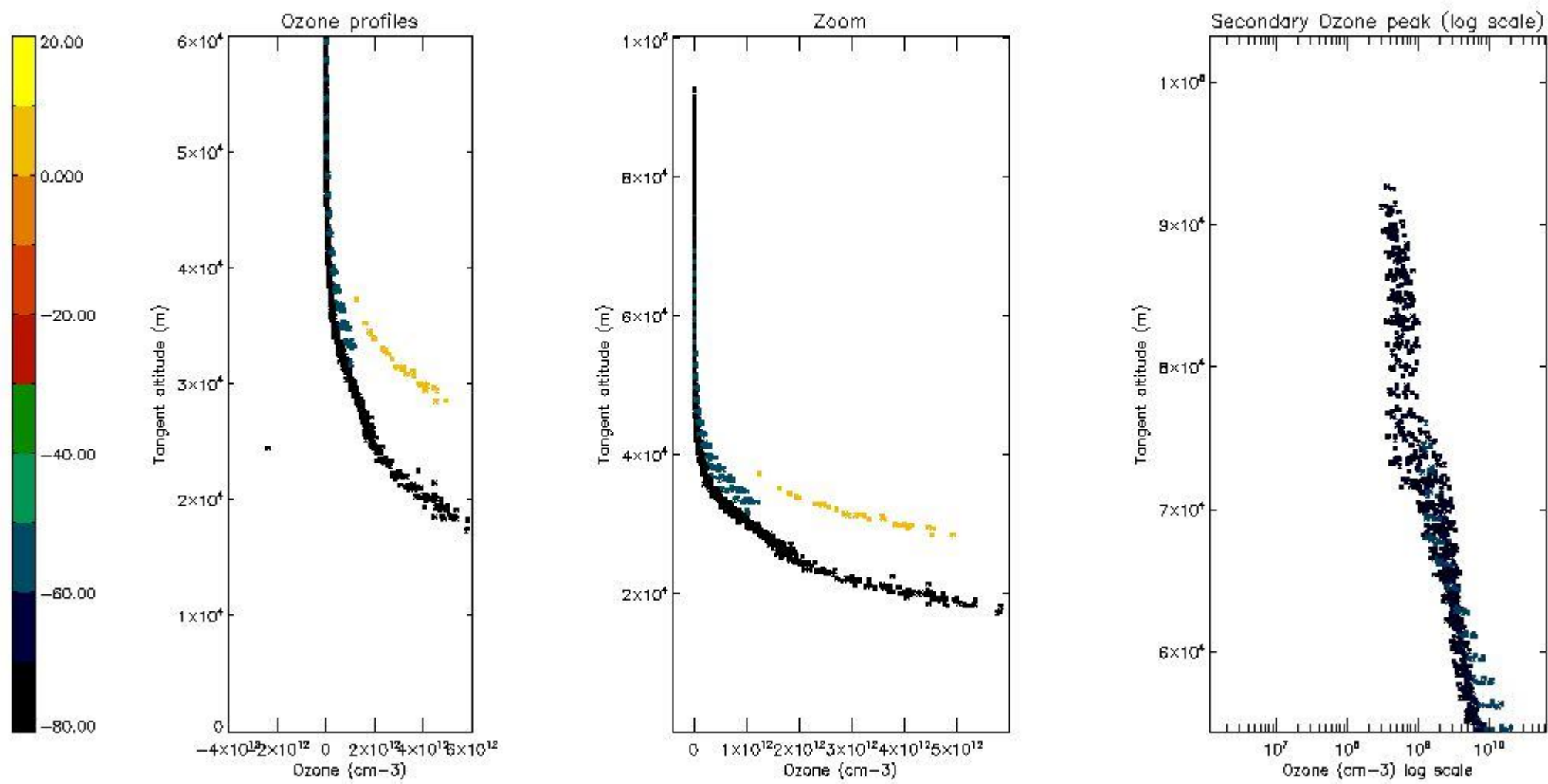
*5.4 Plot ozone profiles where STD < 10% (dark without errors)*

The colorbar represents the latitude.



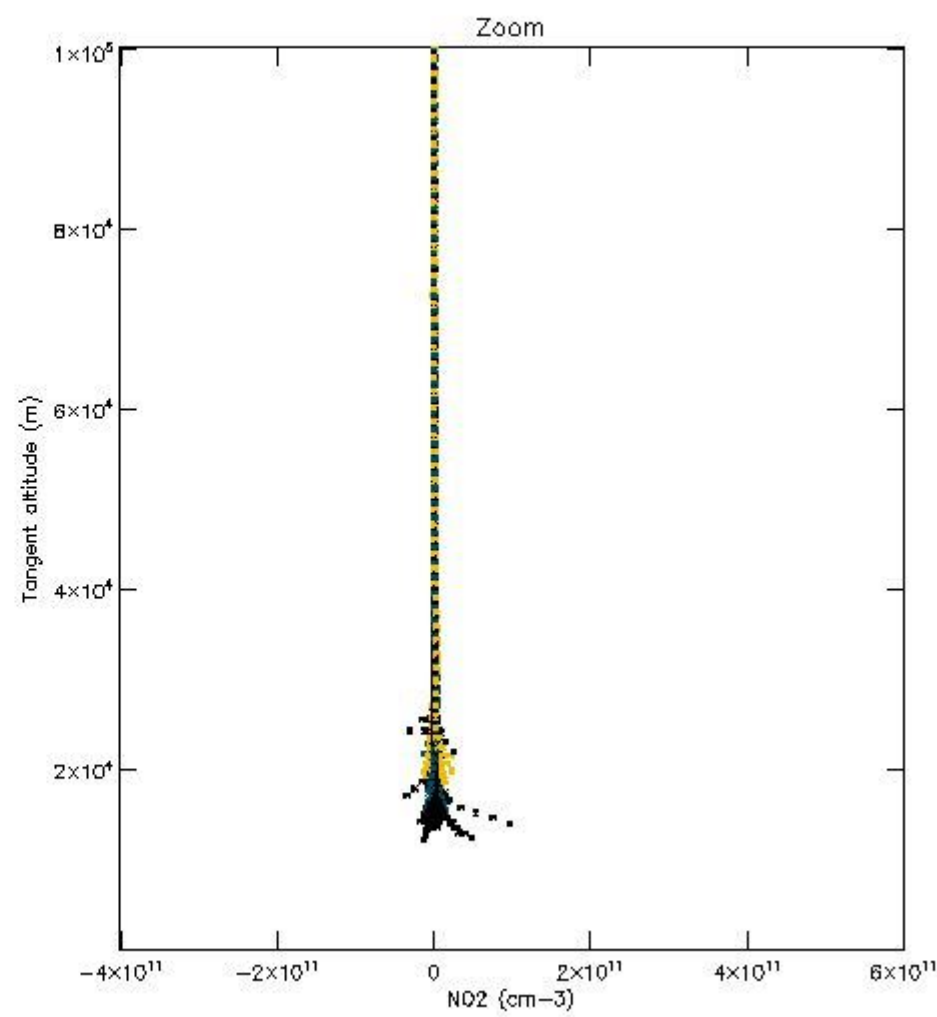
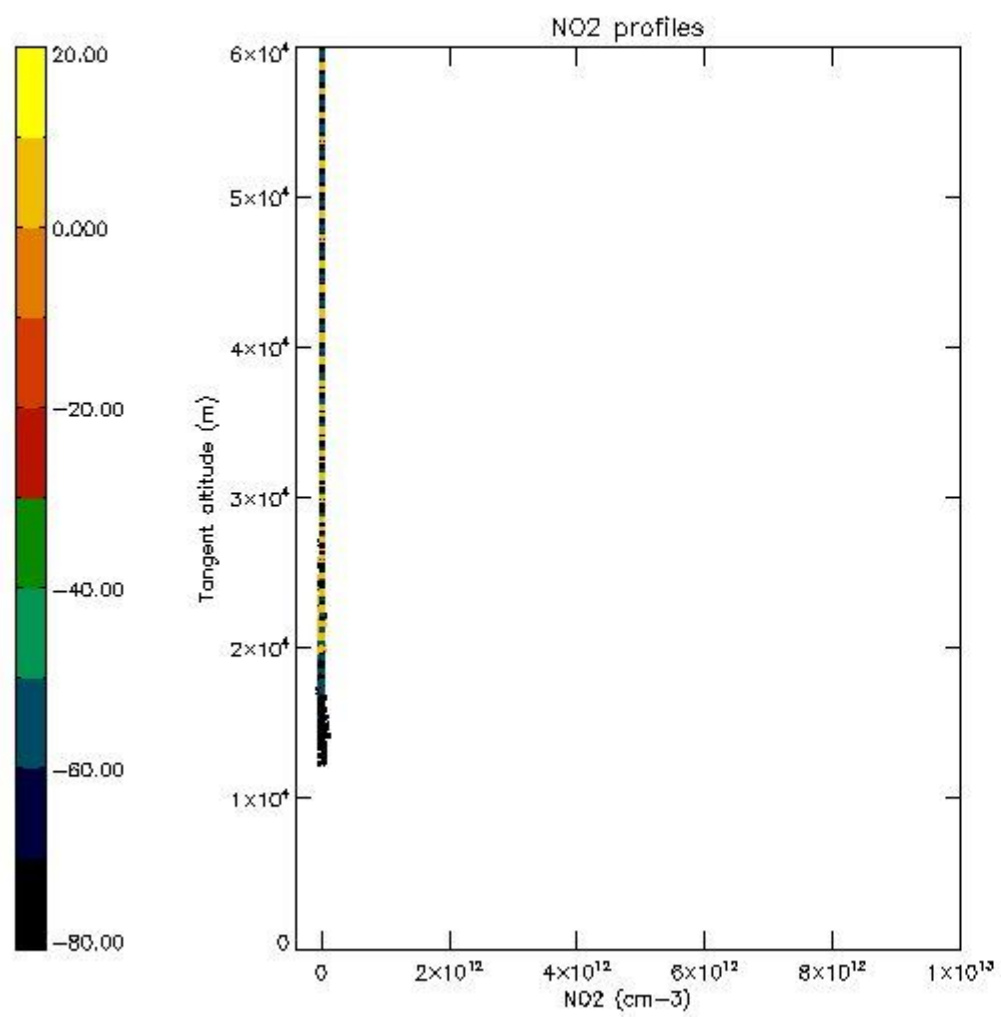
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



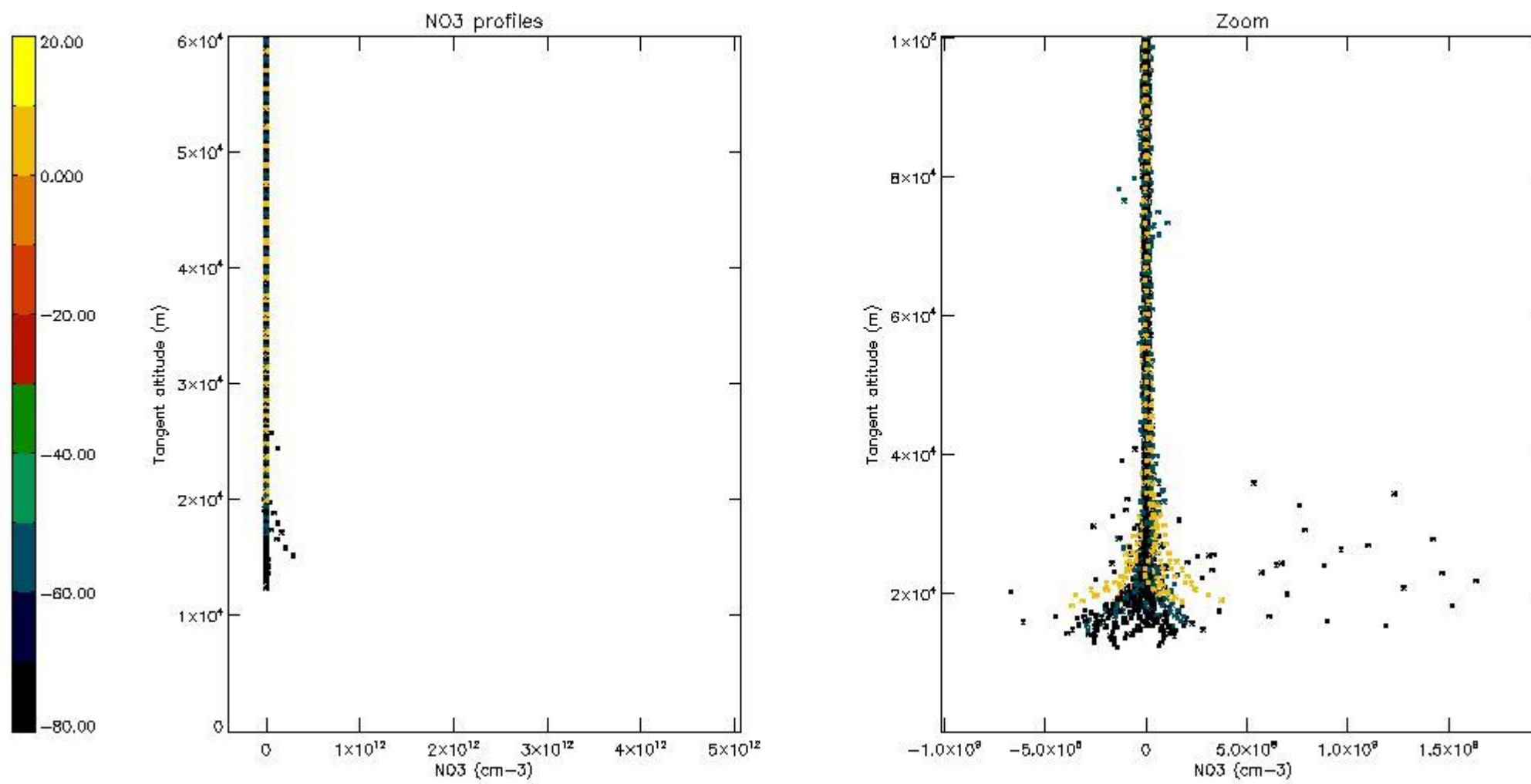
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



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

The colorbar represents the latitude.

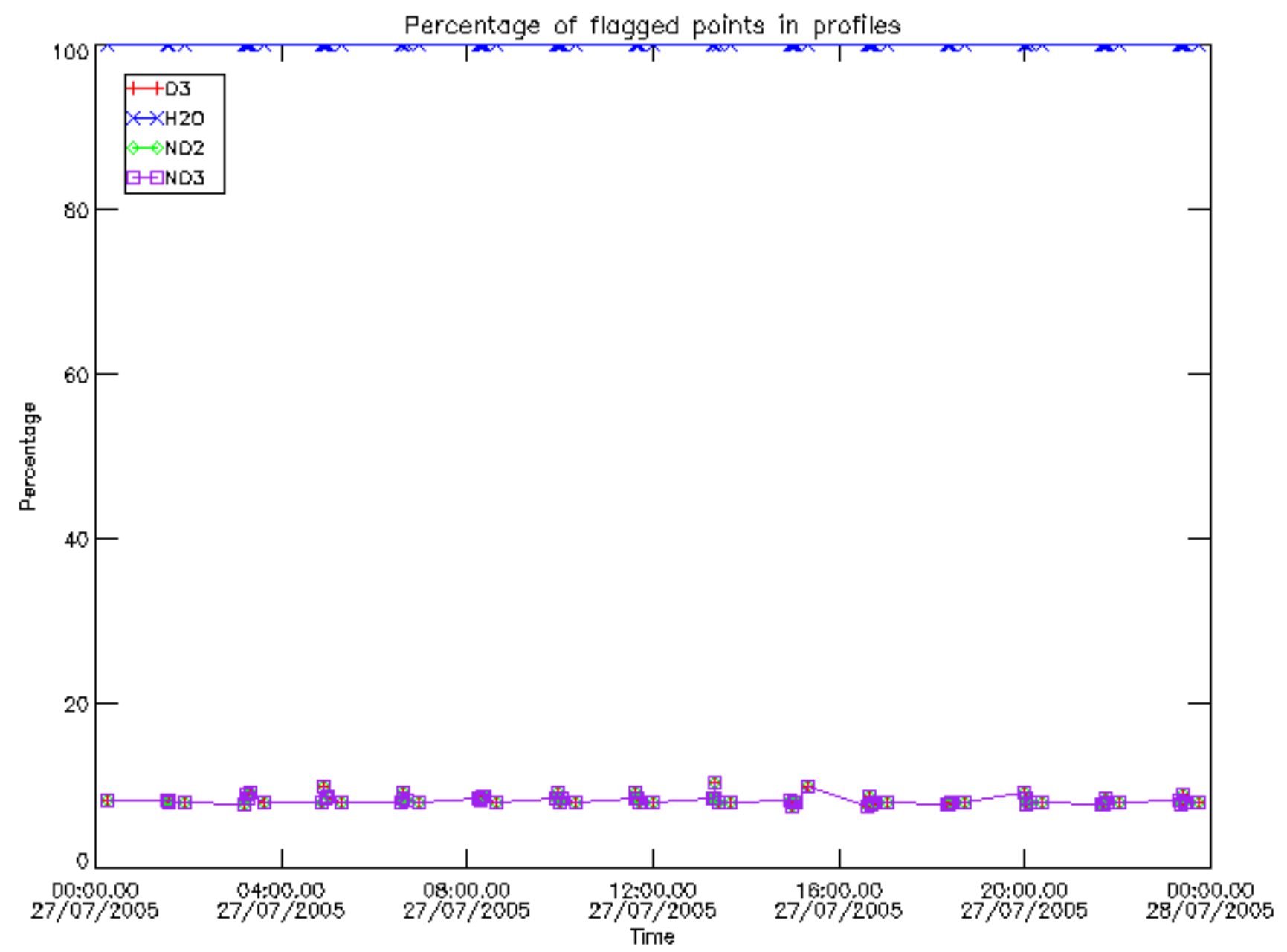


## 6. Auxiliary Data Files used for the production reported in section 2

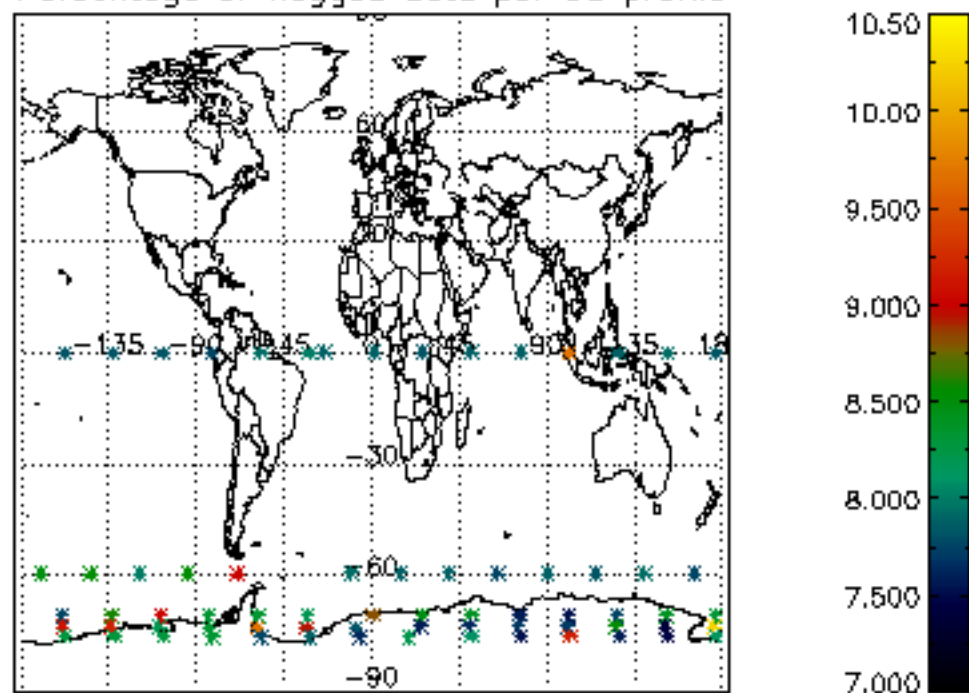
The number reported in the third column indicates since which file (see list in section 2) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

| Type                      | Auxiliary Filename  | Used since product | Used since product date |
|---------------------------|---|--------------------|-------------------------|
| INST_PHYS_CHARACTERISTICS | GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000 | 1                  | 27-JUL-2005 00:15:25    |
| LEVEL-2_PROC_CONFIG       | GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000 | 1                  | 27-JUL-2005 00:15:25    |
| CROSS_SECTIONS_FILE       | GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000 | 1                  | 27-JUL-2005 00:15:25    |

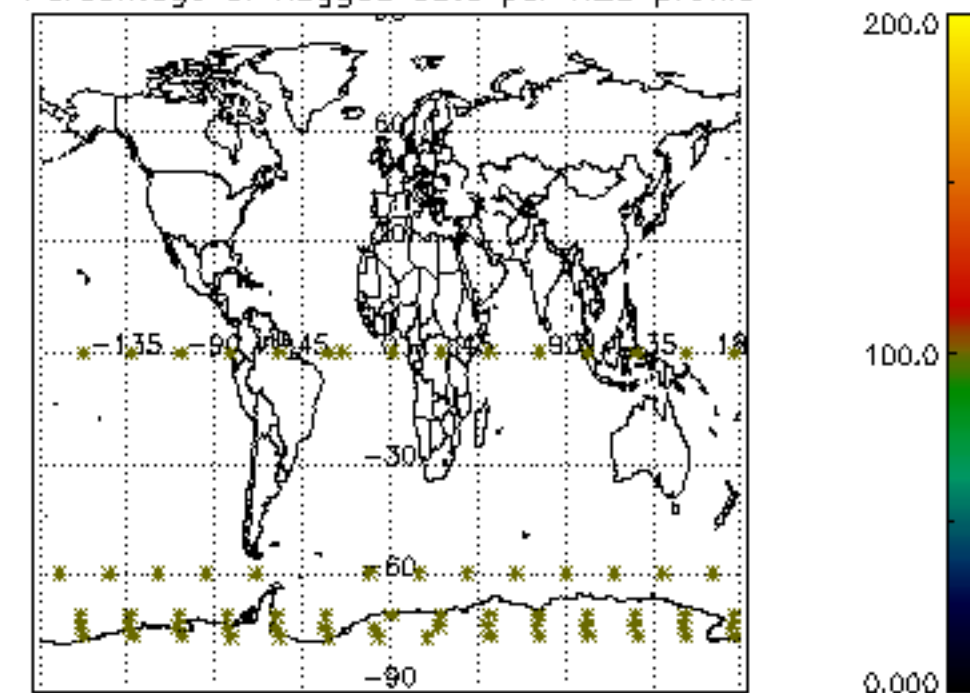




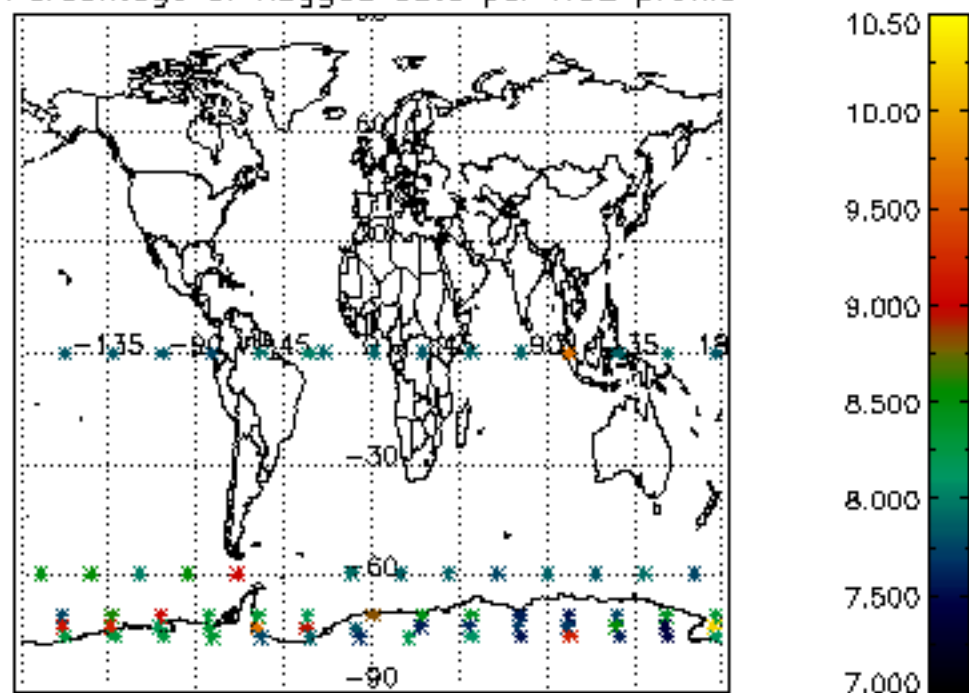
Percentage of flagged data per D3 profile



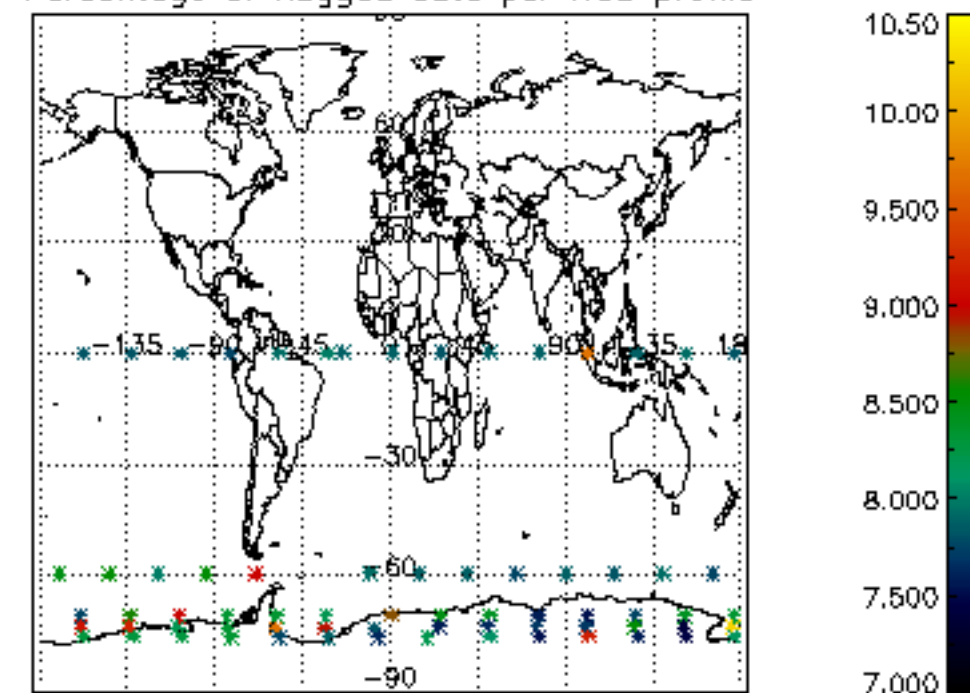
Percentage of flagged data per H2O profile

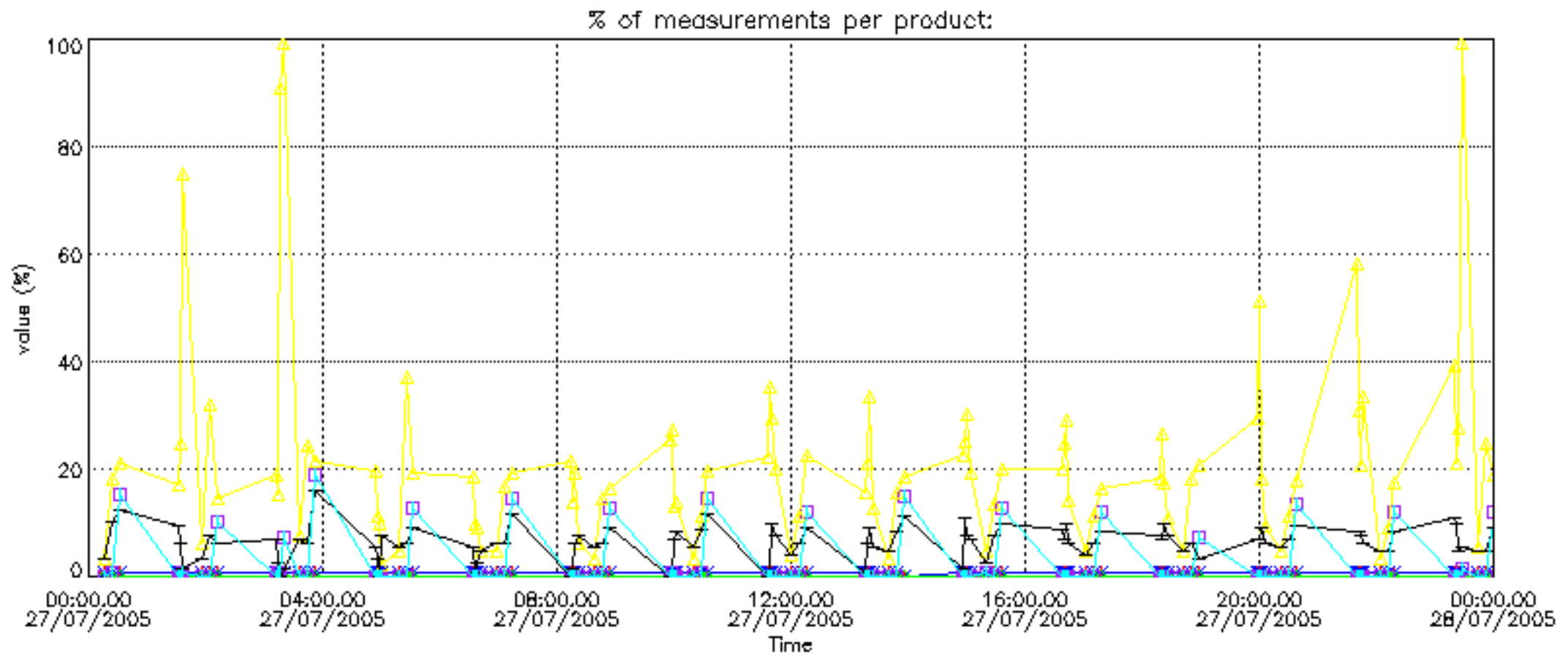


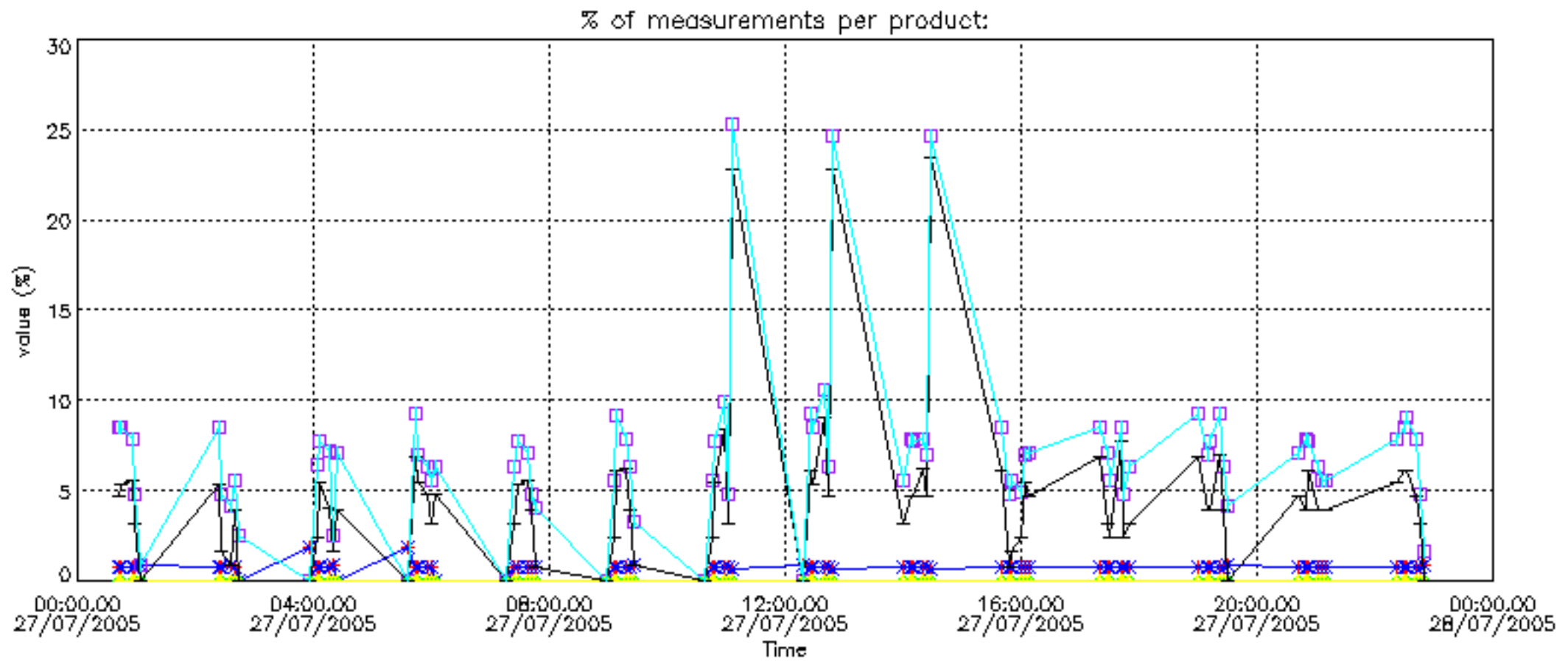
Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

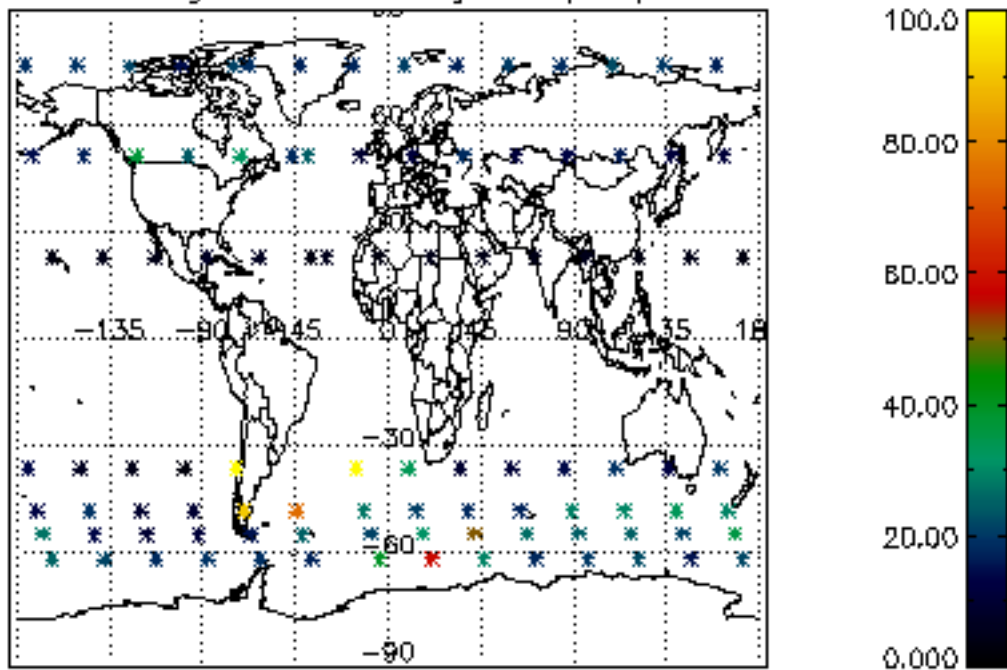




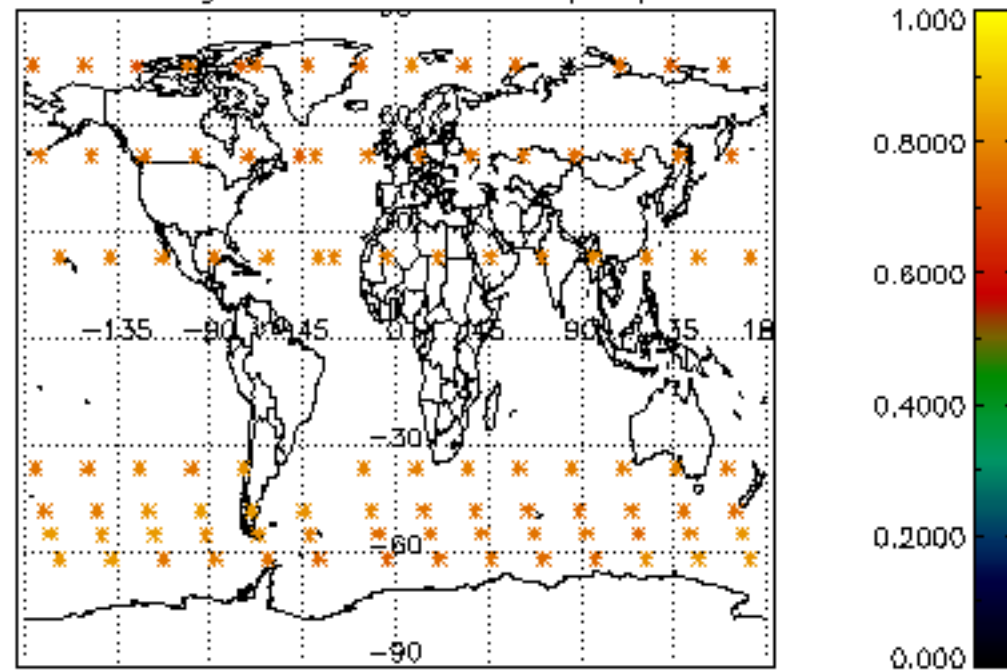




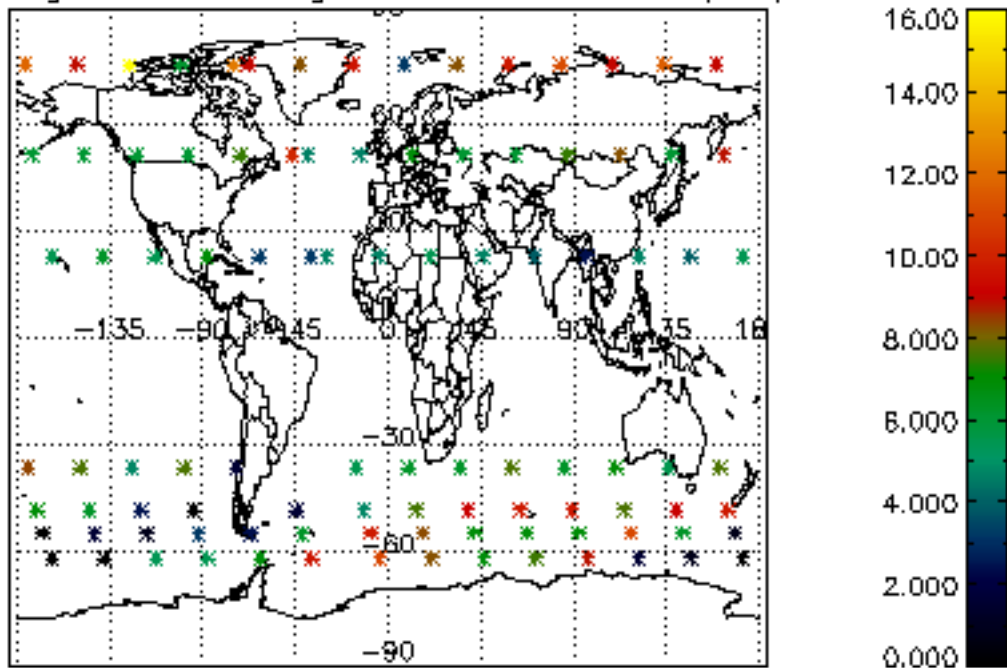
Percentage of cosmic ray hits per profile



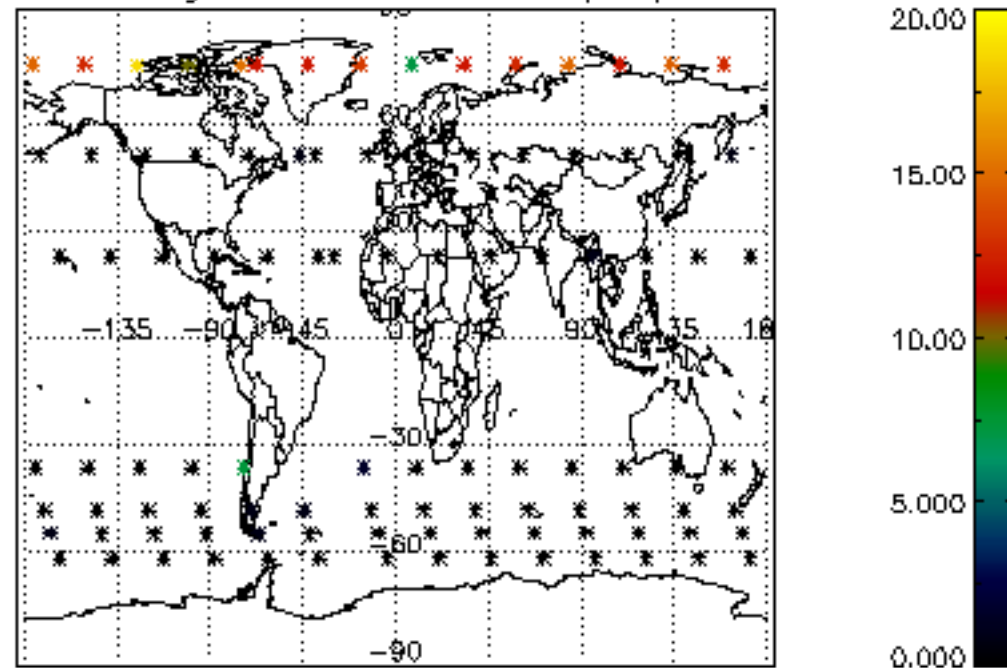
Percentage of datation errors per profile



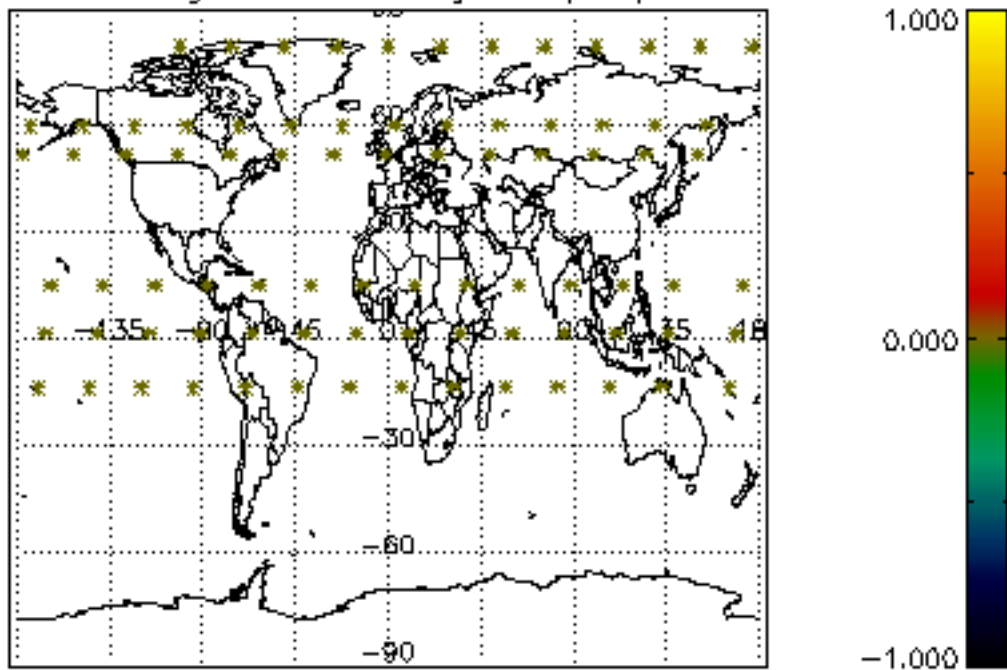
Percentage of star falling outside central band per profile



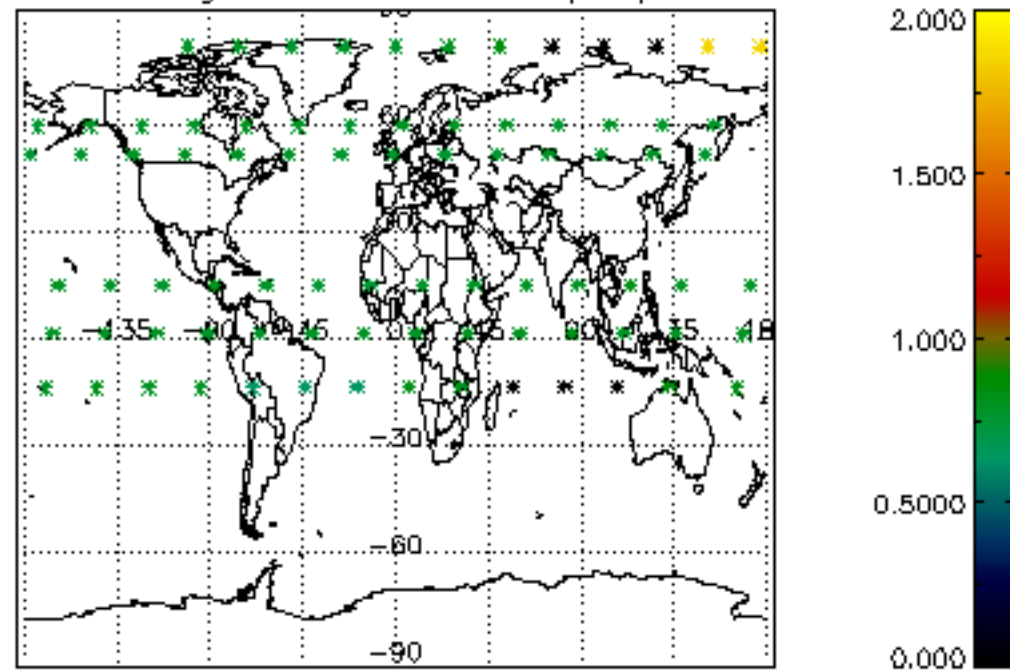
Percentage of saturation errors per profile



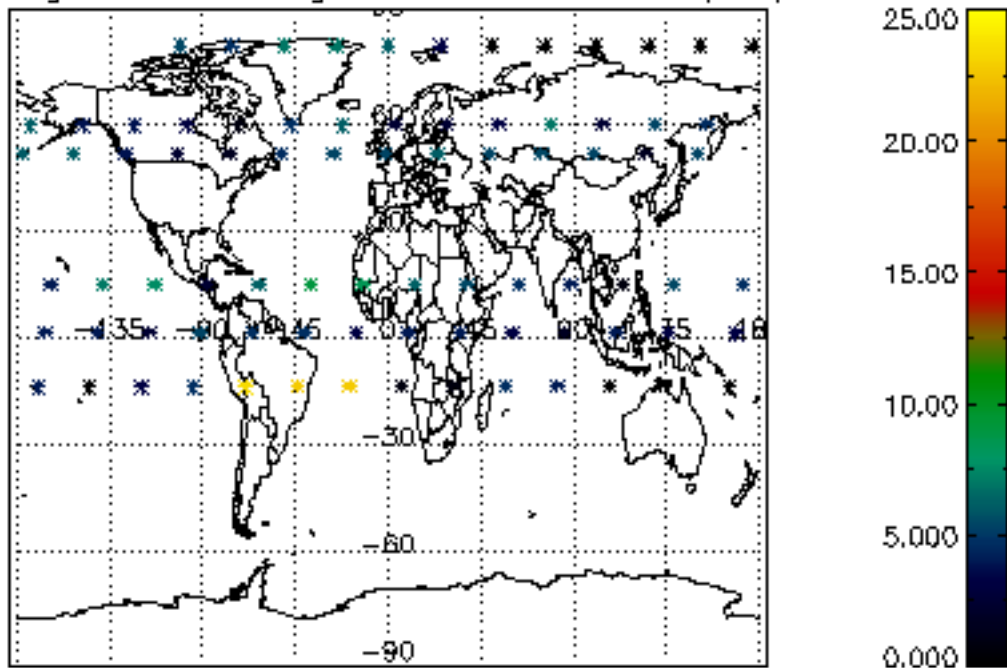
Percentage of cosmic ray hits per profile



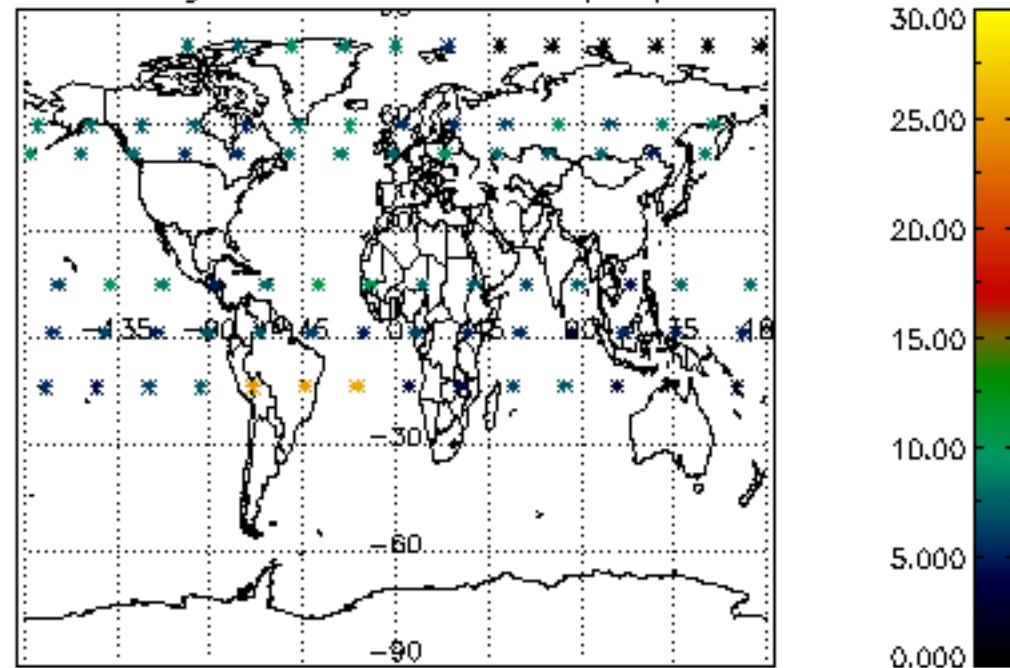
Percentage of datation errors per profile

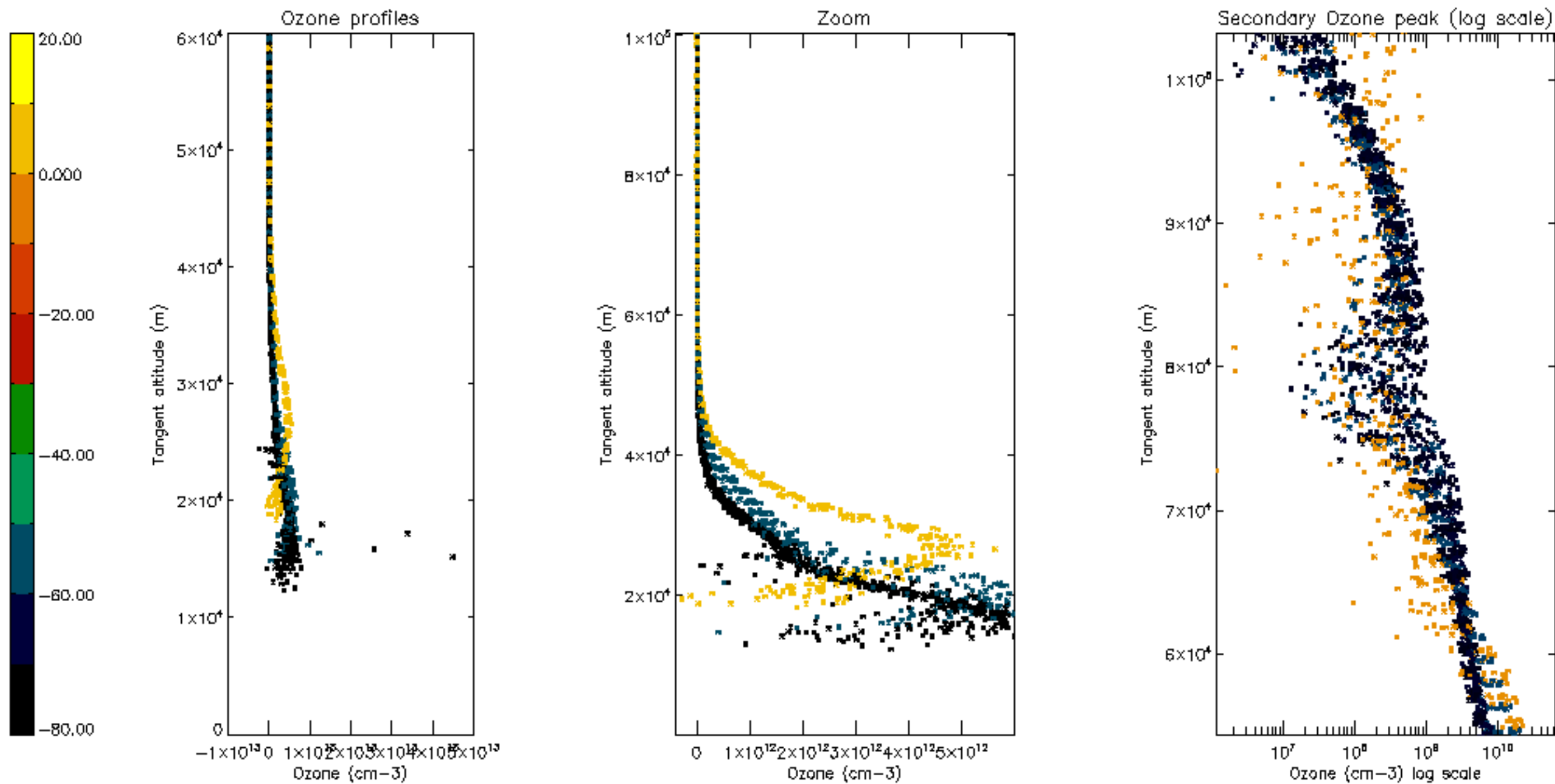


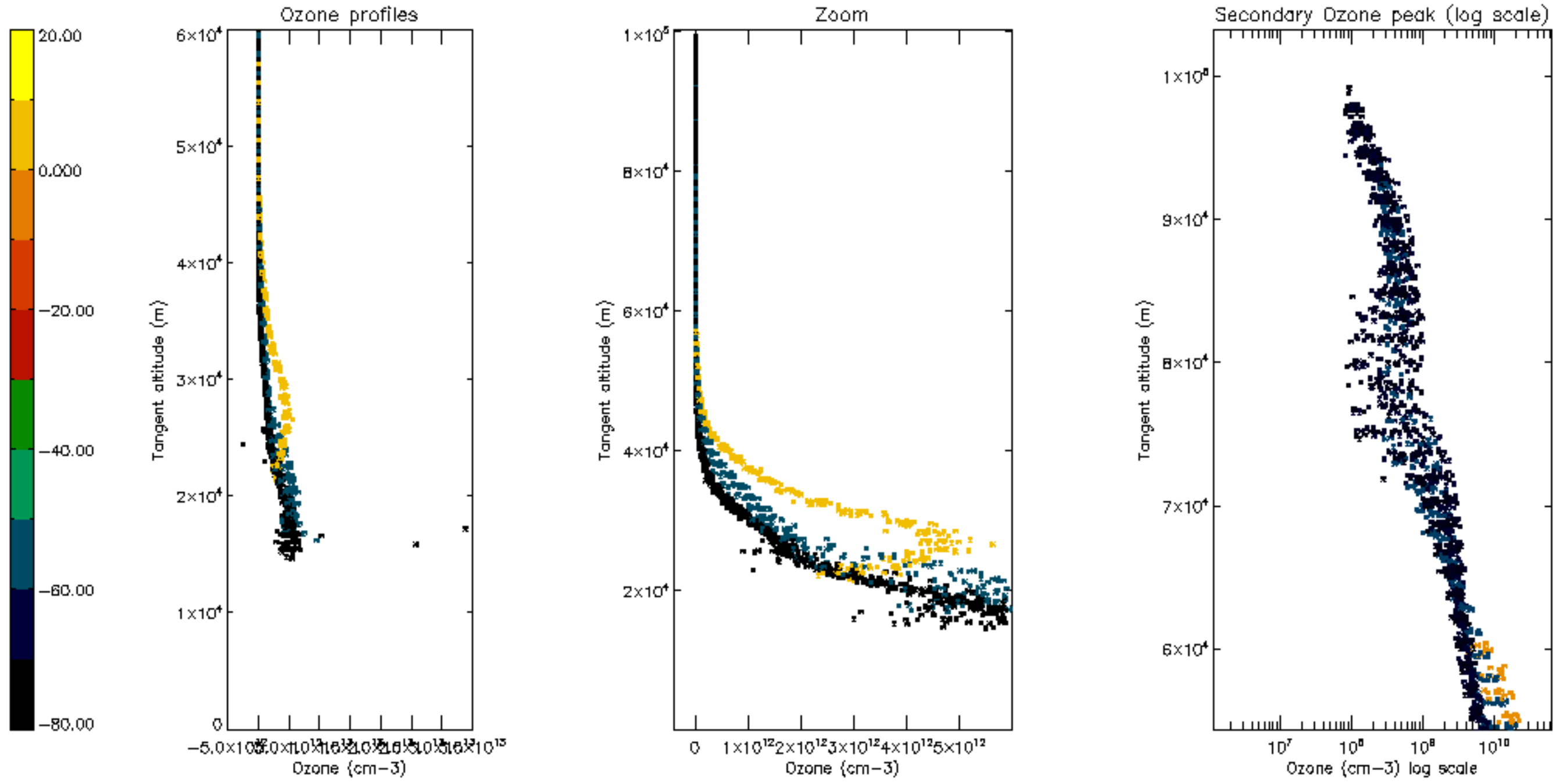
Percentage of star falling outside central band per profile



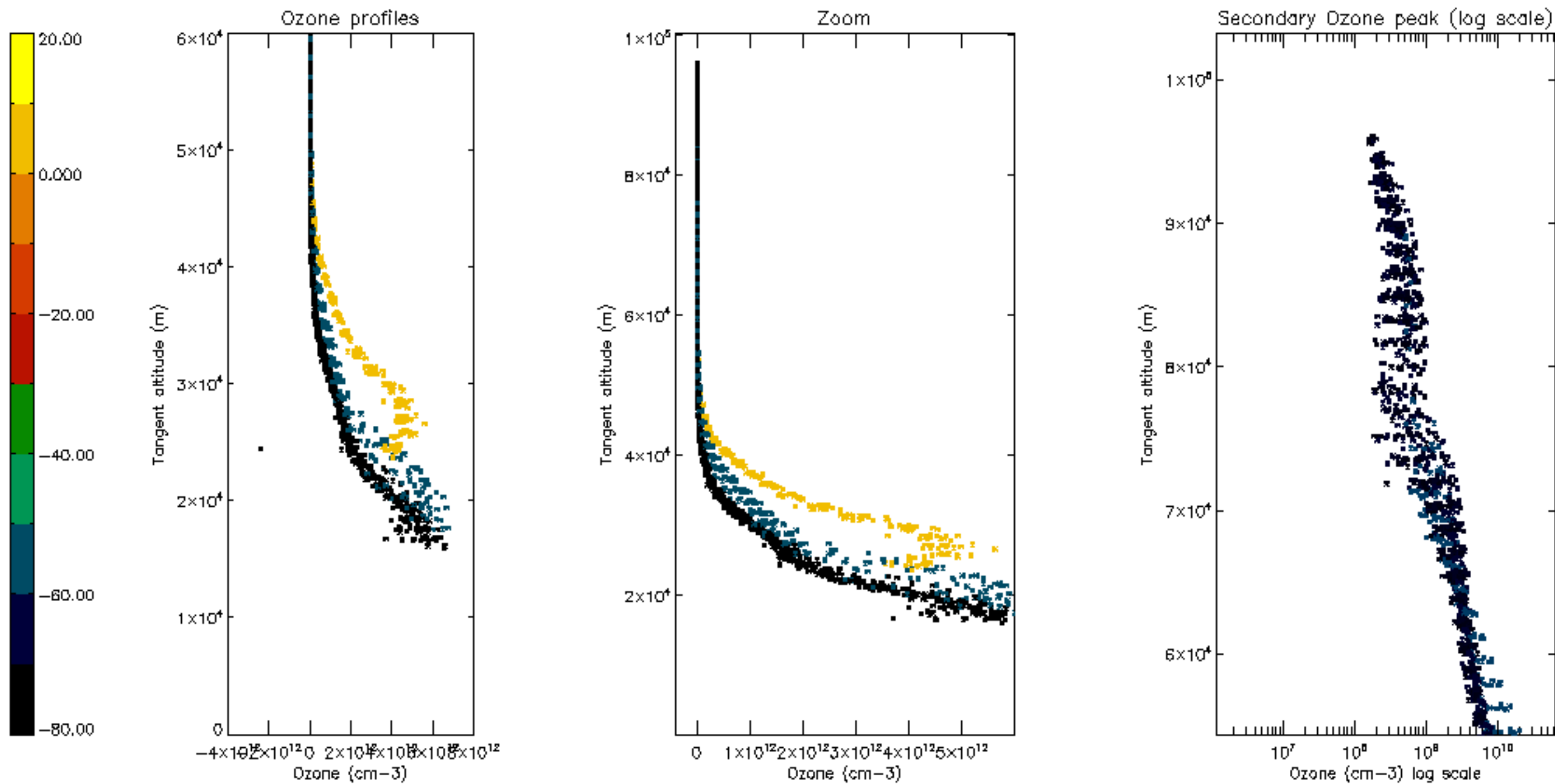
Percentage of saturation errors per profile

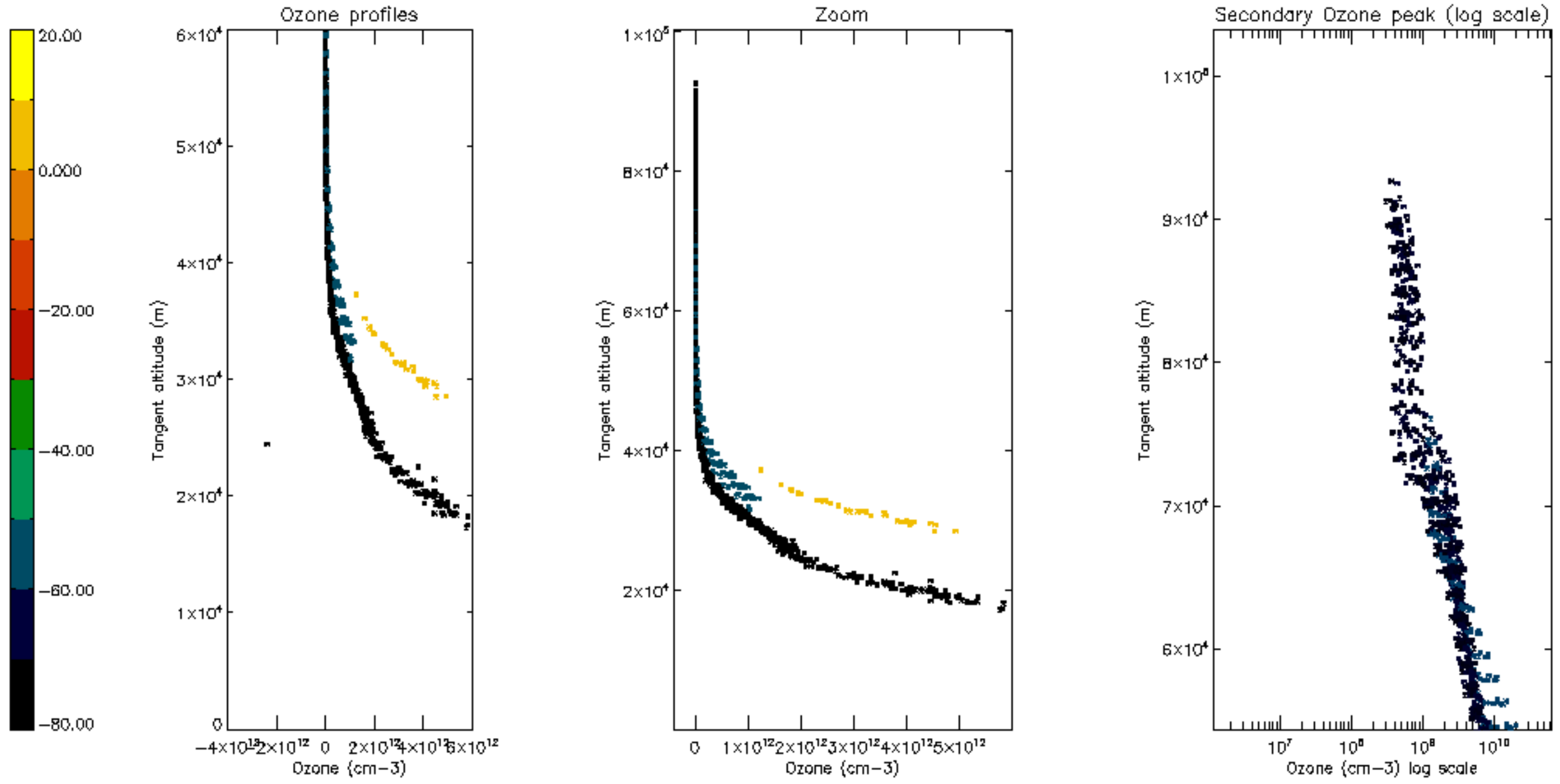


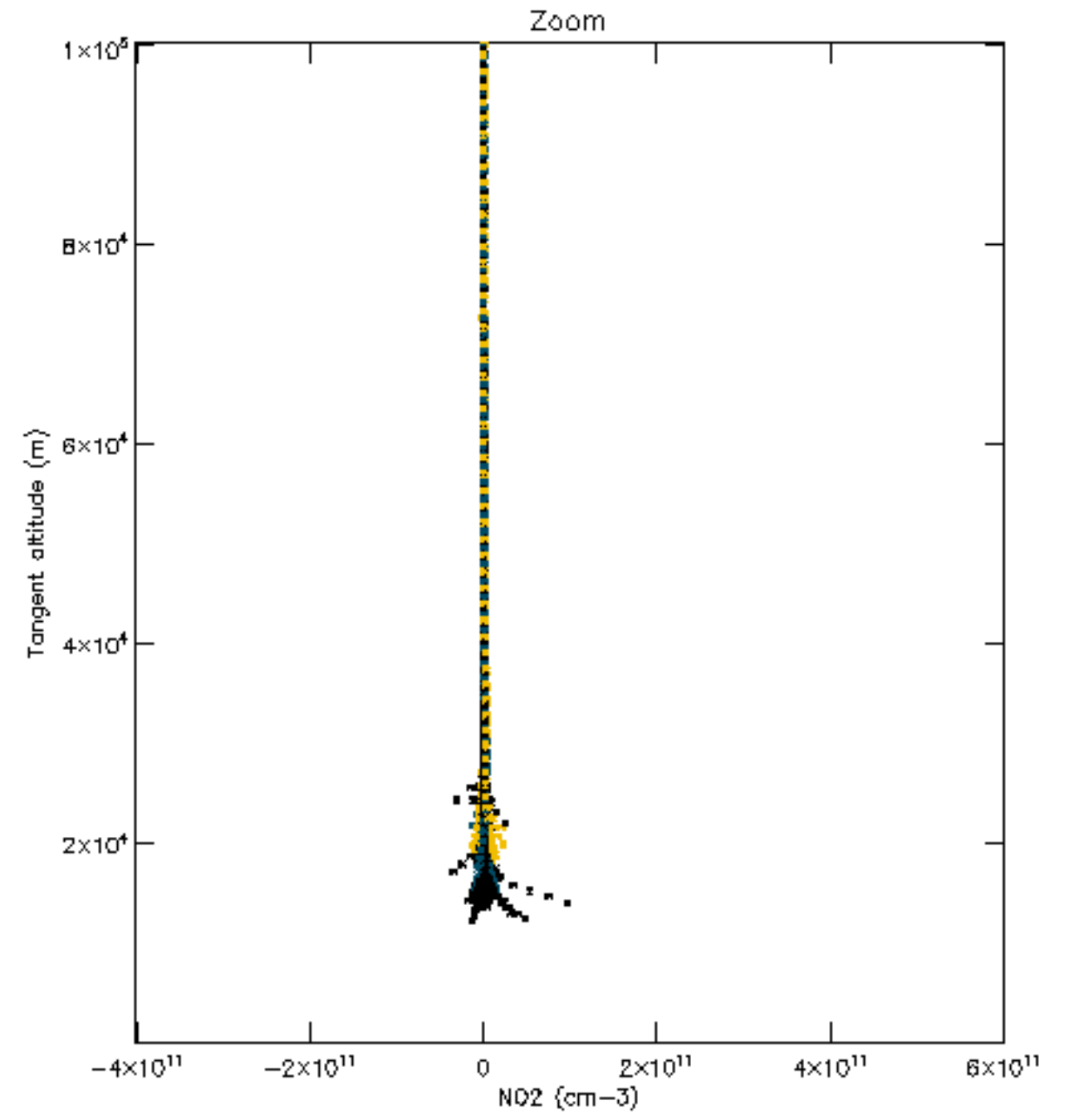
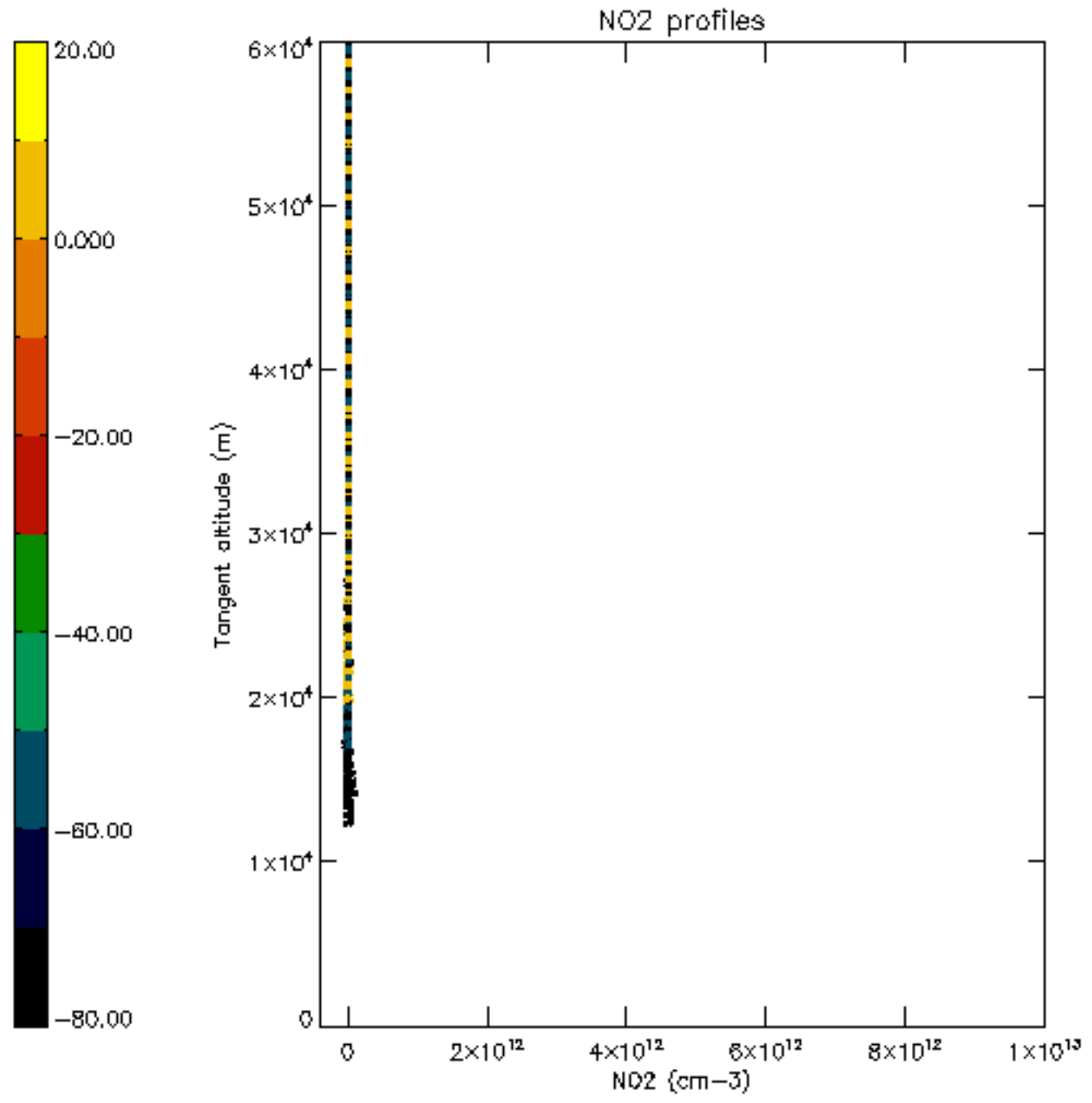


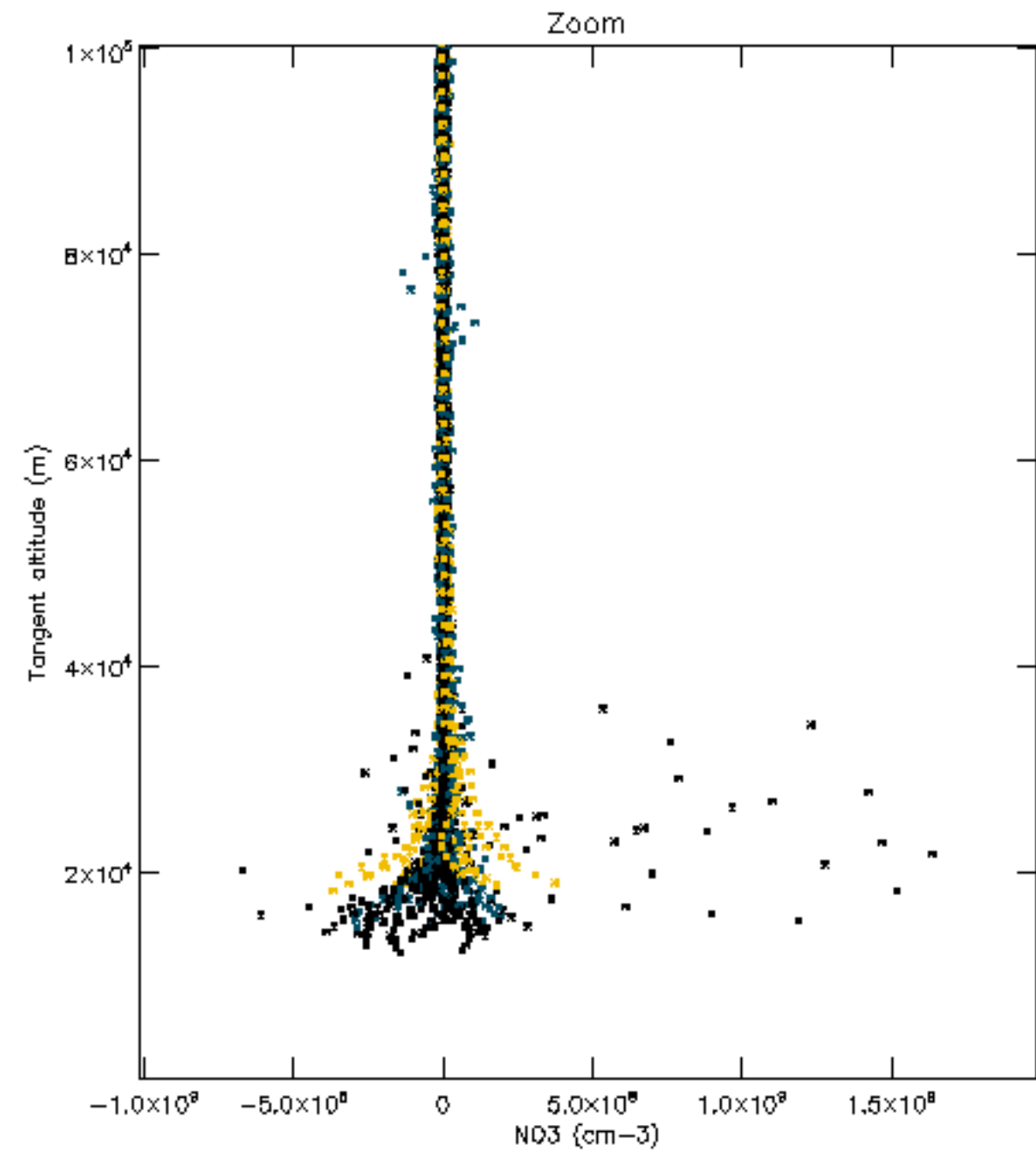
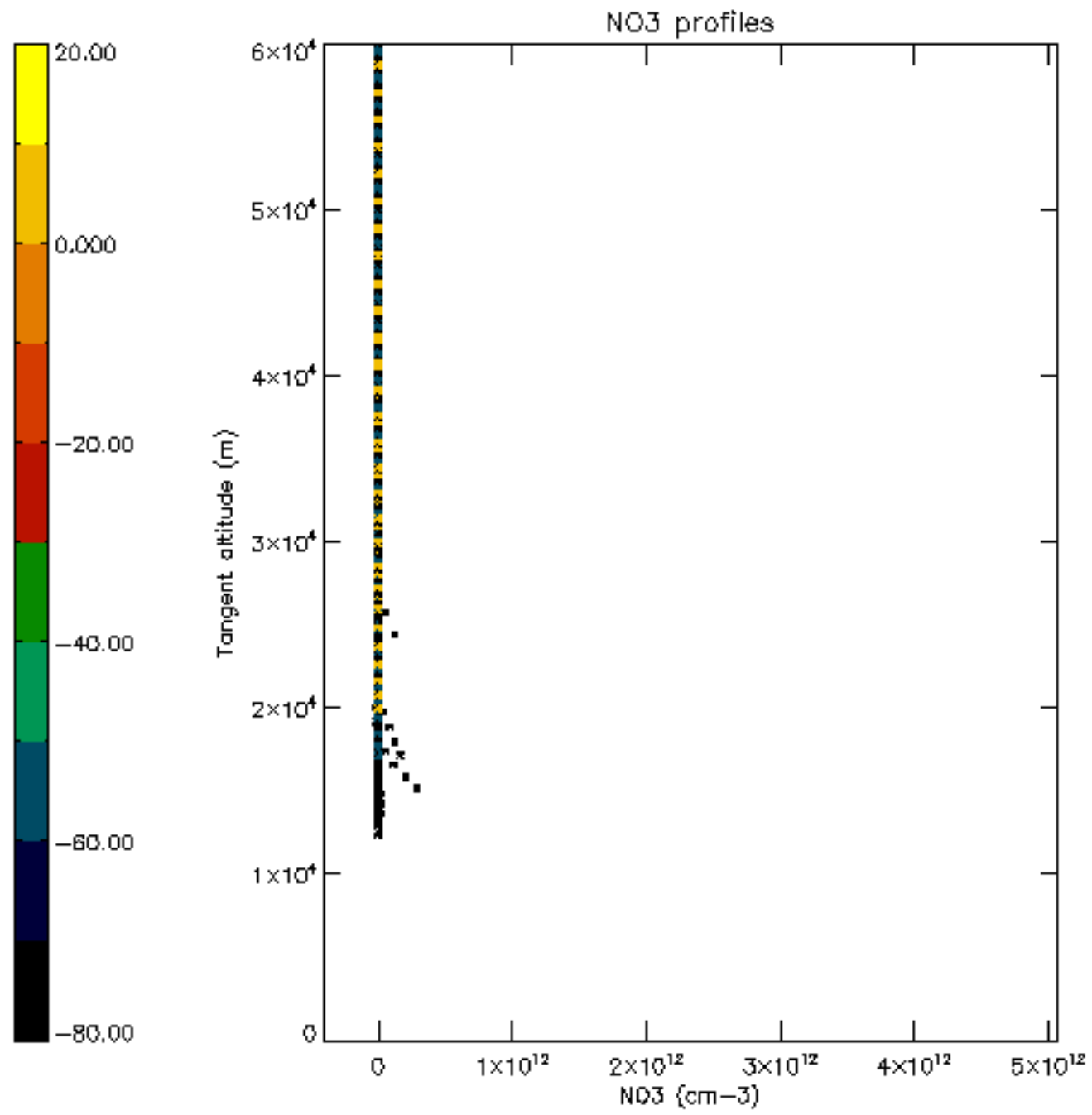




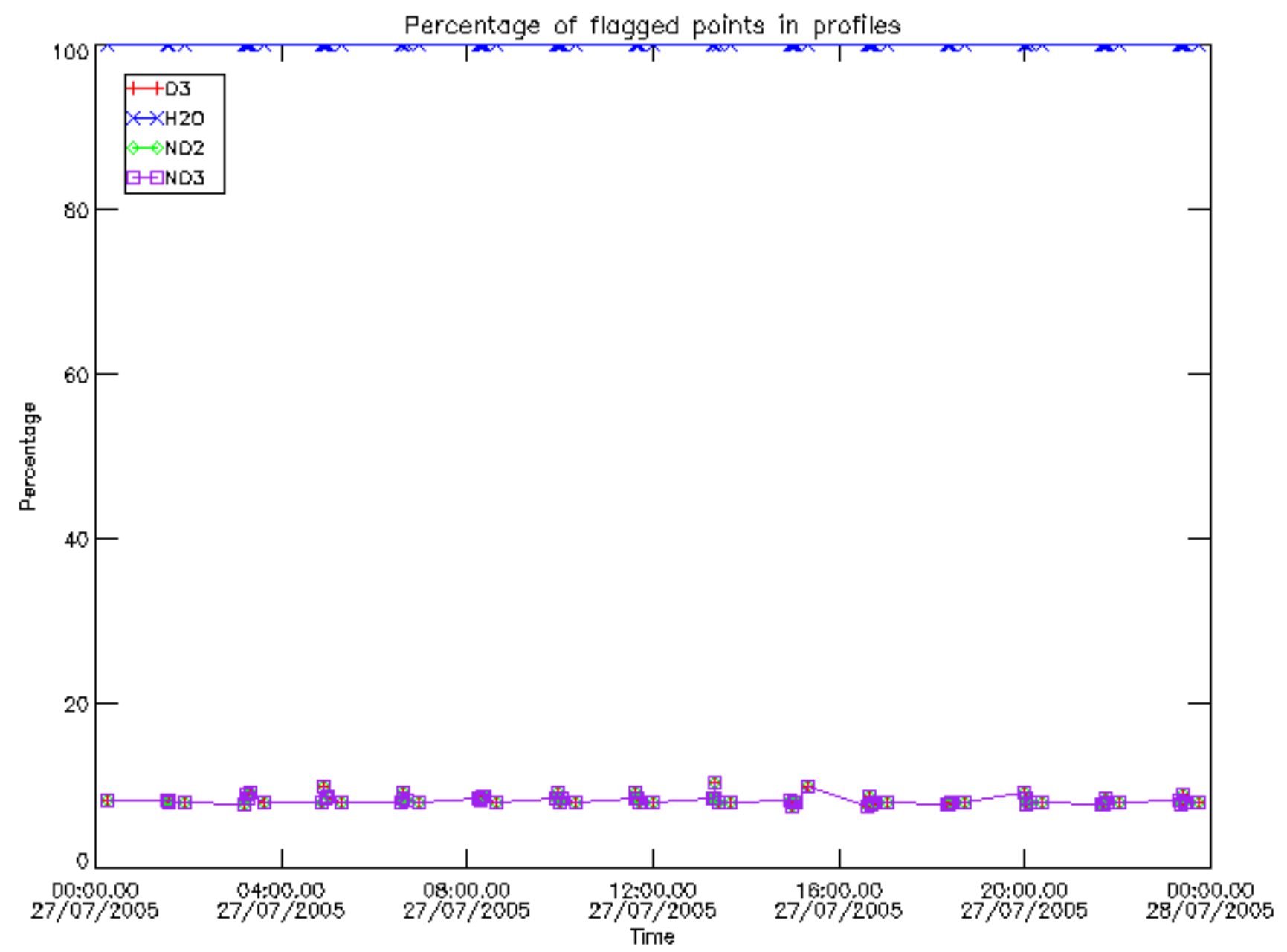




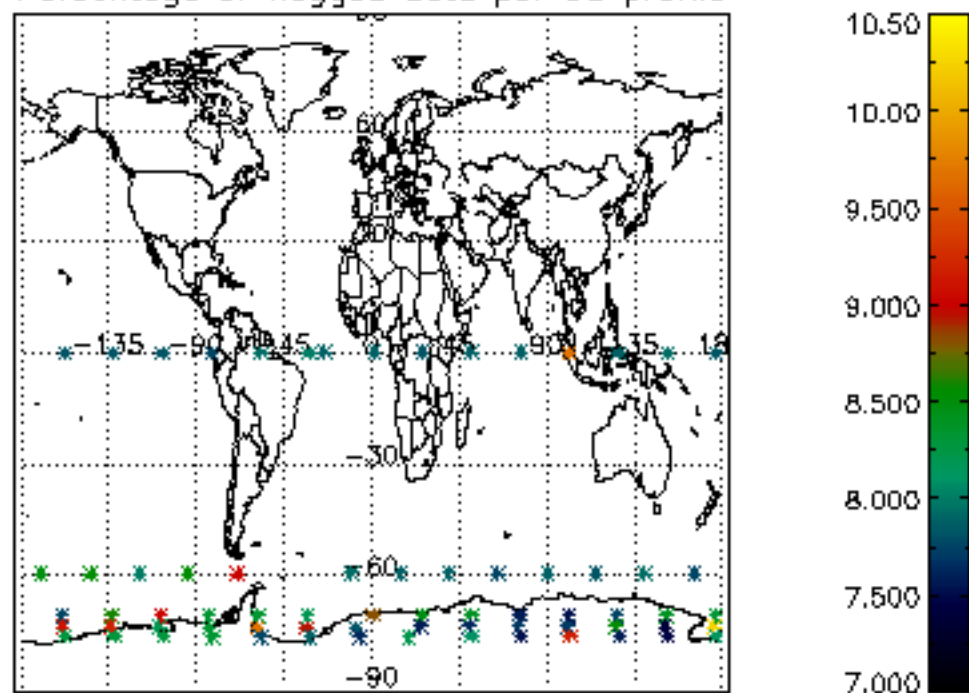




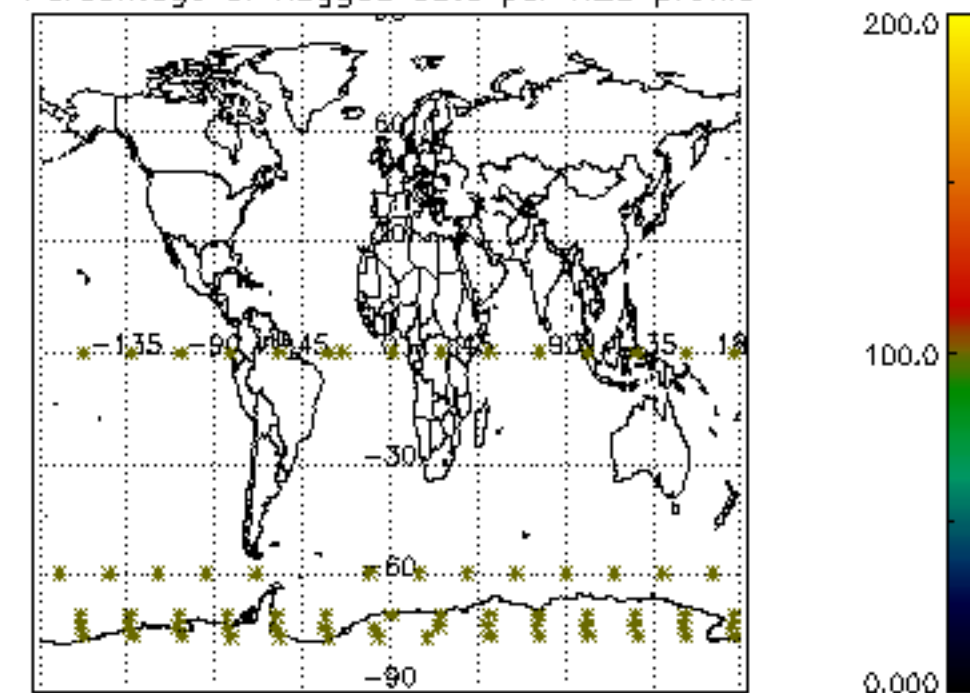




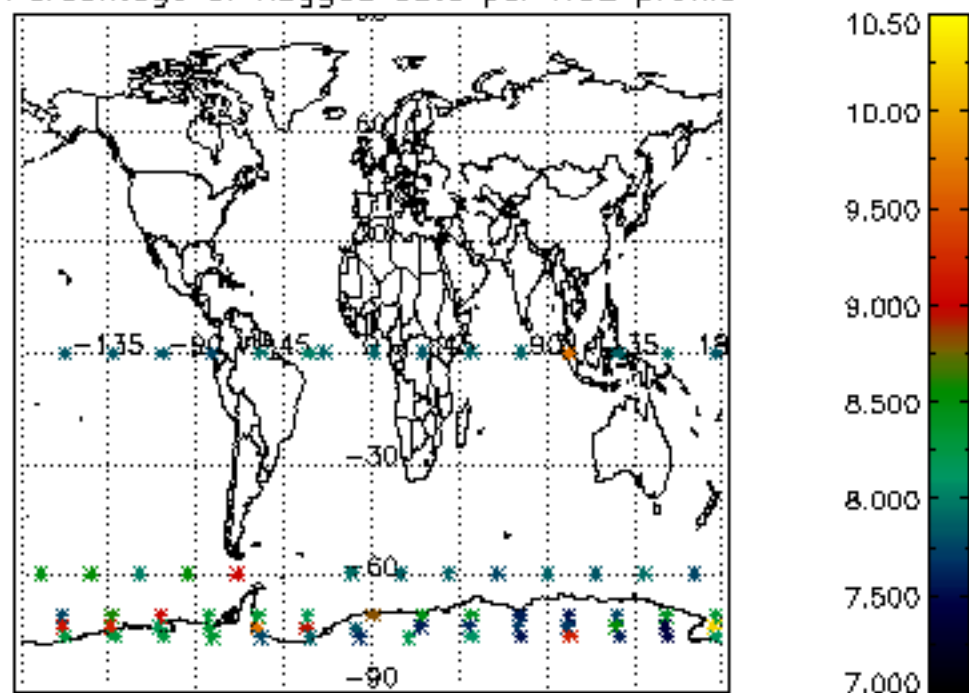
Percentage of flagged data per D3 profile



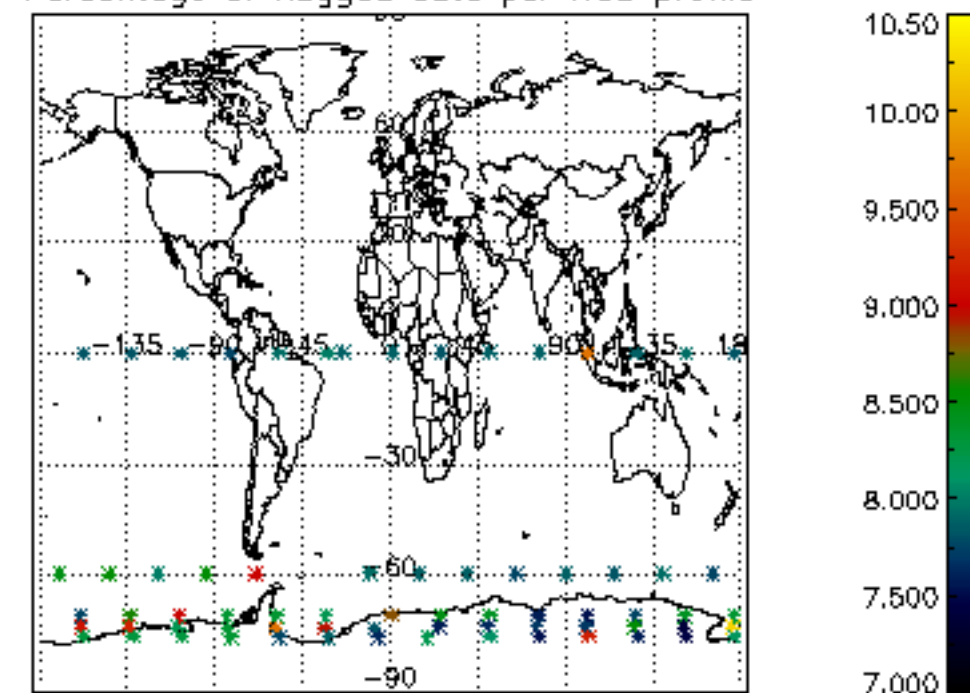
Percentage of flagged data per H2O profile

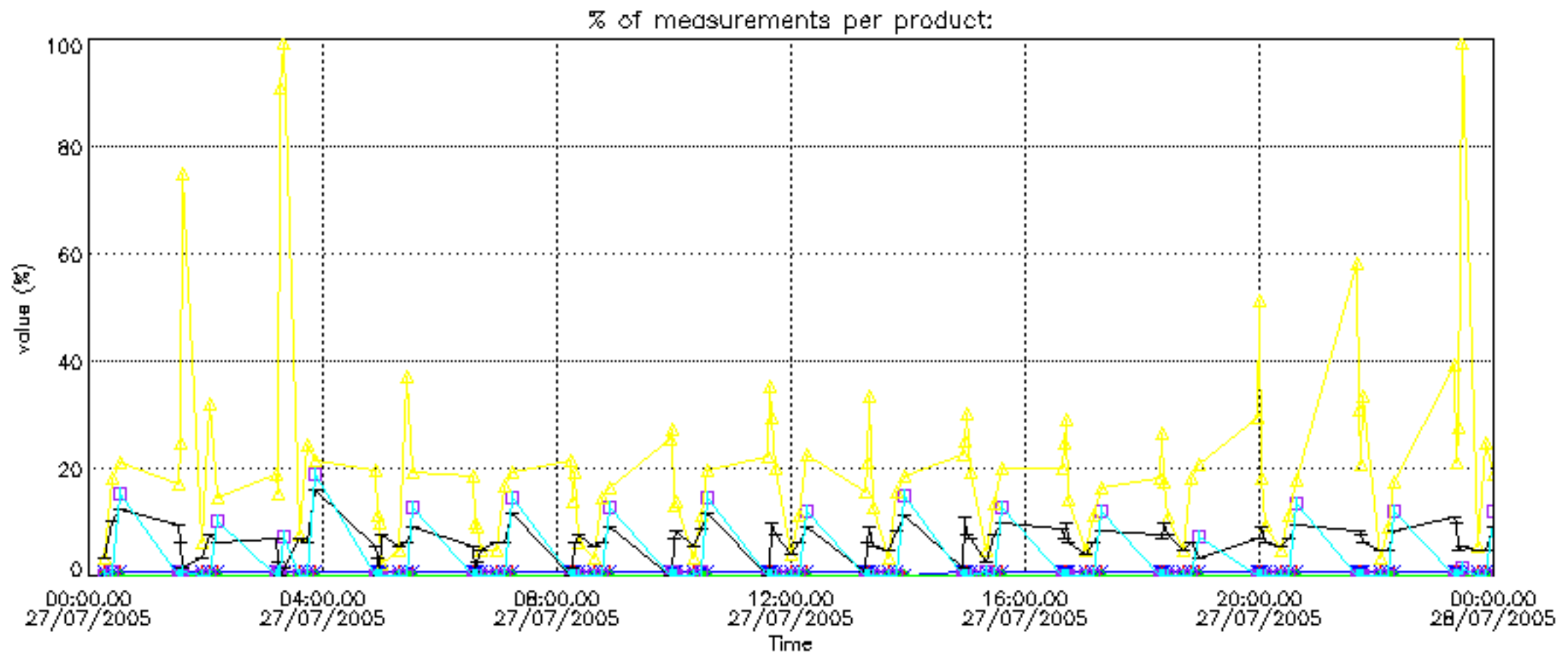


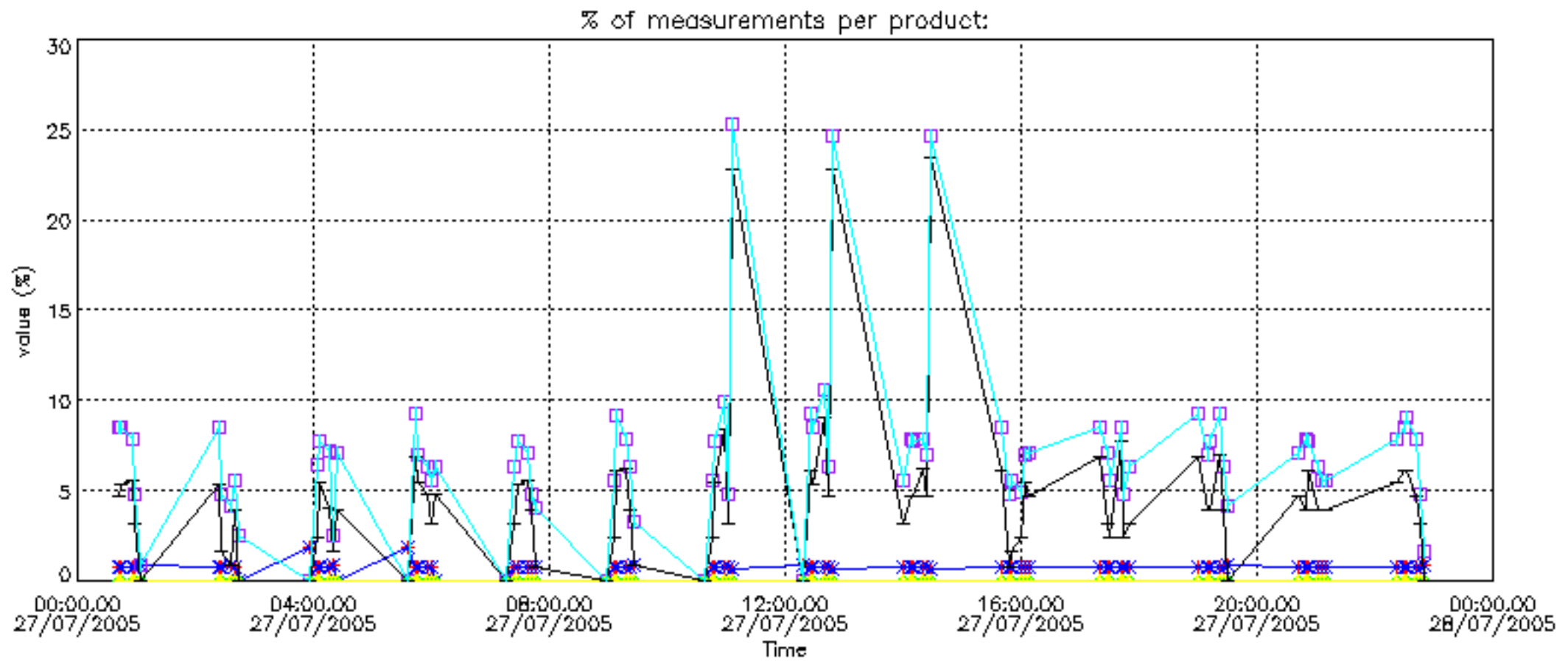
Percentage of flagged data per NO2 profile



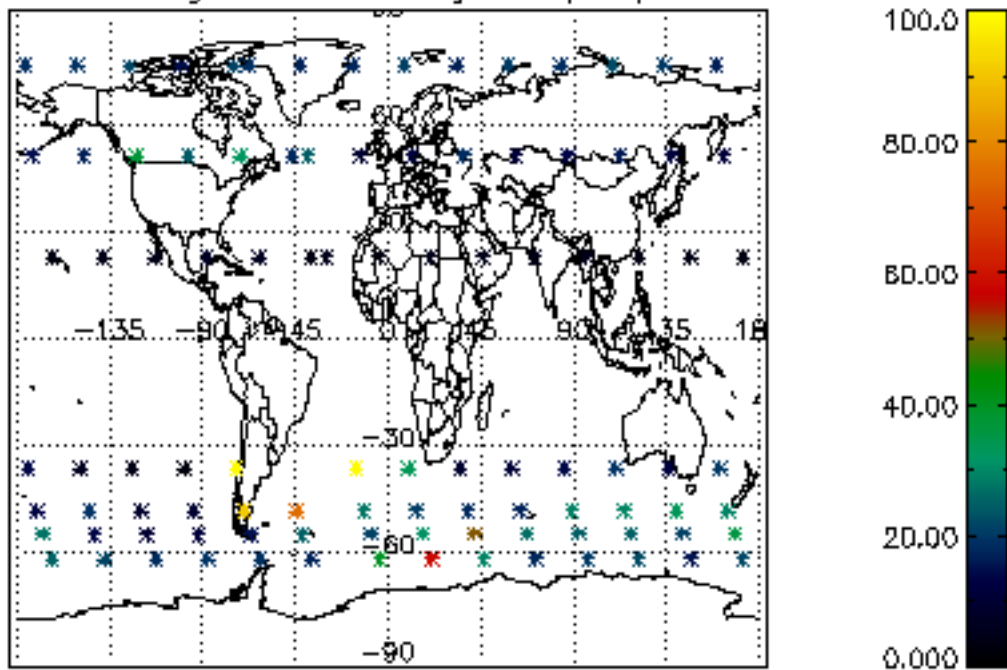
Percentage of flagged data per NO3 profile



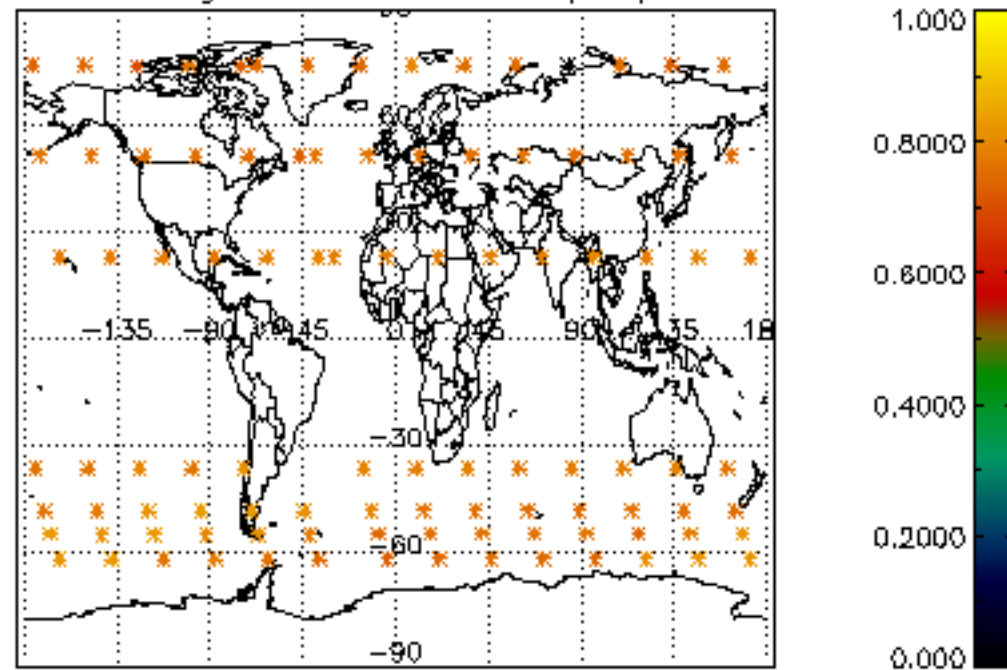




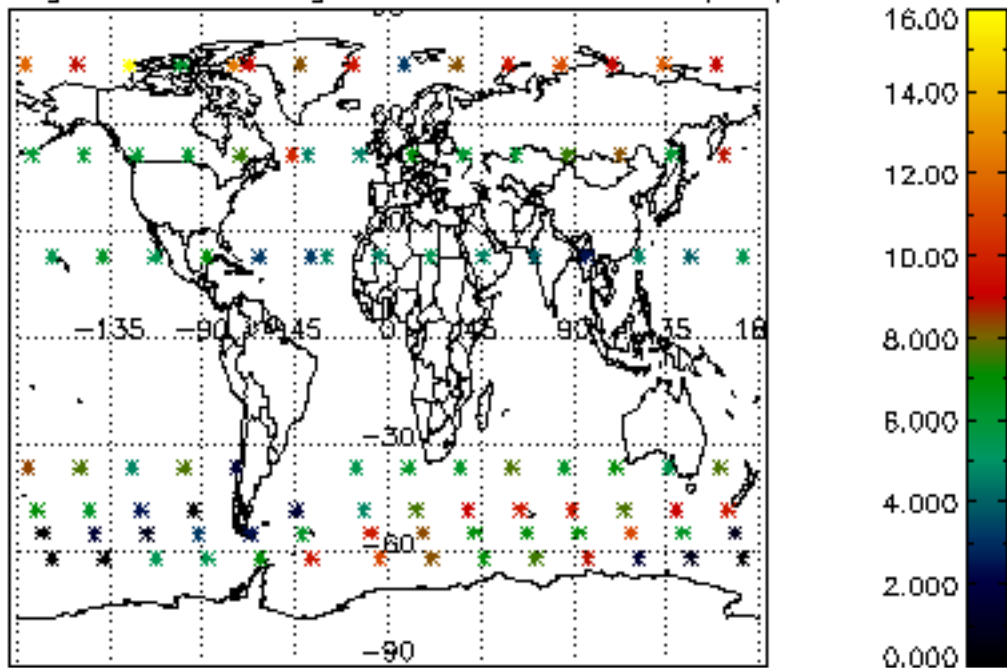
Percentage of cosmic ray hits per profile



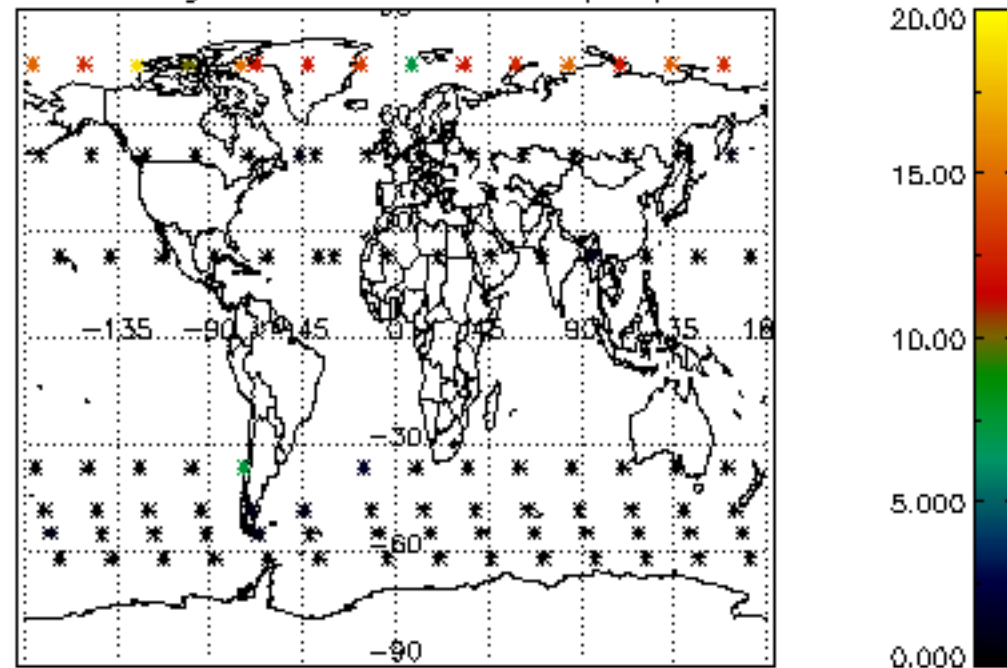
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

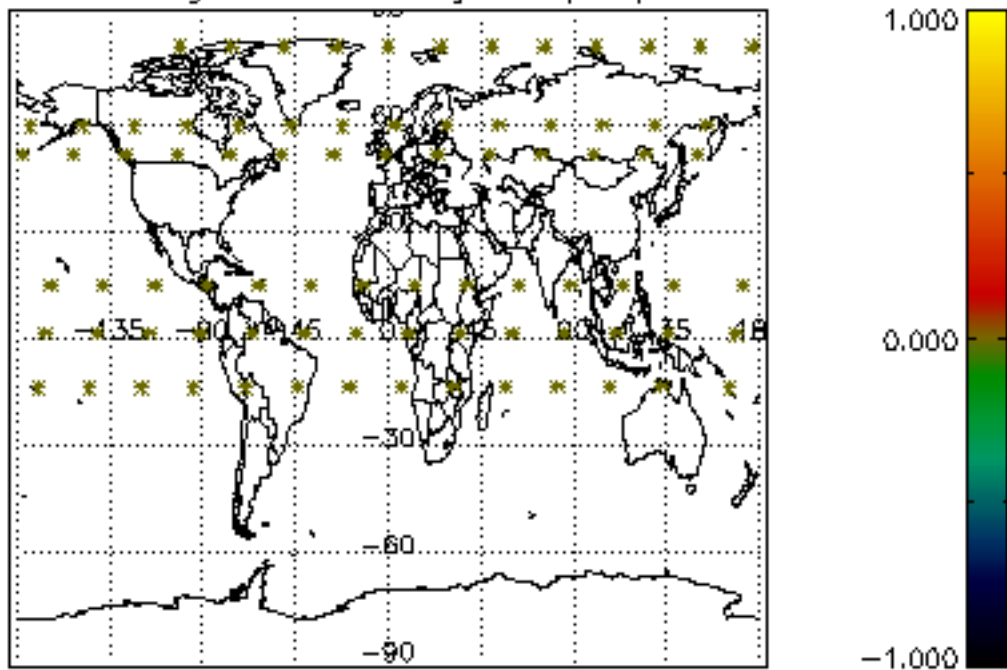


Percentage of saturation errors per profile

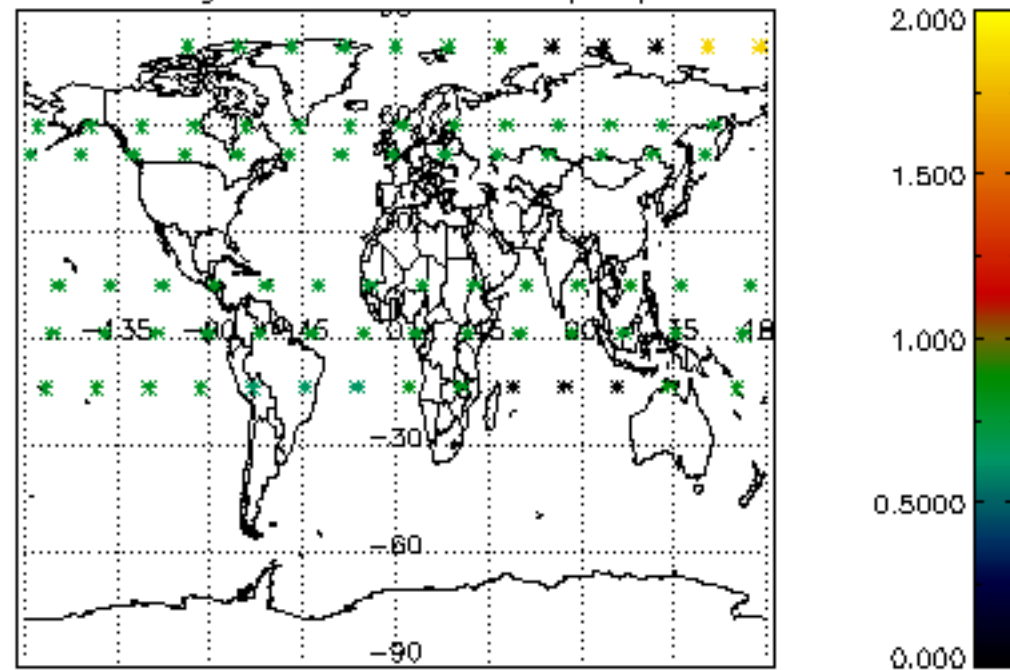




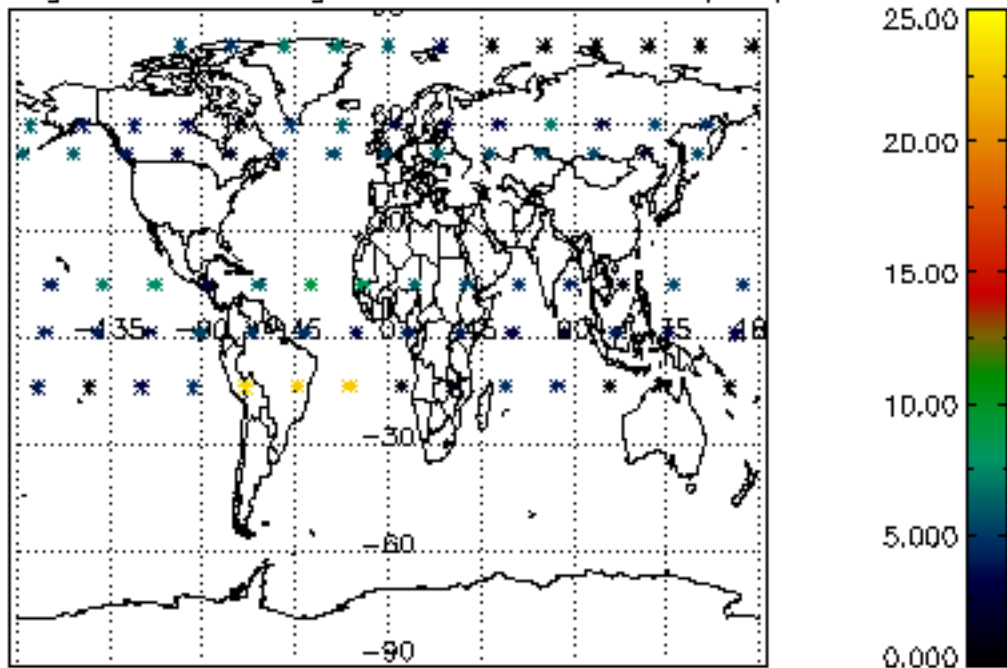
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

