

# GOMOS Level 2 Daily Report

## SUMMARY

### [1. General Info](#)

### [2. Summary of processed GOM\\_NL\\_2P products](#)

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

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

#### [3.2 Plot of level 2 quality information per product \(world map\)](#)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

This report presents the daily analysis on parameters extracted from GOMOS level 2 data (GOM\_NL\_\_2P). It is intended to monitor some important parameters that will impact the quality of these products. A list of level 2 products (and content) that have arrived during the reporting day to the PCF is also given.

Item	Value
Time of report generation	26APR2013 09:47:46
Data source version	GOMOS/6.01
Start time of products	27-05-2009 (27MAY2009 00:00:00)
Stop time of products	28-05-2009 (28MAY2009 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	185
Nb of prods with errors	0

## 2. Summary of processed GOM\_NL\_\_2P products.

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20090527_000523_000000392079_00216_37845_8132.N1	27-MAY-2009 00:05:23	Dark	39.000	18	24Alp PsA	1.1660	9700.0	78	37845	No
2	GOM_NL__2PRFIN20090527_001103_000000422079_00217_37846_8138.N1	27-MAY-2009 00:11:03	Dark	42.000	172	Gam Gru	3.0030	13100.	84	37846	No
3	GOM_NL__2PRFIN20090527_002602_000000352079_00217_37846_8139.N1	27-MAY-2009 00:26:02	Straylight	34.500	178	lot1Sco	3.0220	6550.0	69	37846	No
4	GOM_NL__2PRFIN20090527_002721_000000342079_00217_37846_8140.N1	27-MAY-2009 00:27:21	Straylight	34.000	25	35Lam Sco	1.6200	28000.	68	37846	No
5	GOM_NL__2PRFIN20090527_003514_000000372079_00217_37846_8141.N1	27-MAY-2009 00:35:14	Bright	37.000	86	35Eta Oph	2.4300	10200.	74	37846	No
6	GOM_NL__2PRFIN20090527_003710_000000342079_00217_37846_8142.N1	27-MAY-2009 00:37:10	Bright	33.500	98	13Zet Oph	2.5710	30000.	67	37846	No
7	GOM_NL__2PRFIN20090527_003925_000000332079_00217_37846_8143.N1	27-MAY-2009 00:39:25	Bright	33.000	120	1Del Oph	2.7340	3200.0	66	37846	No
8	GOM_NL__2PRFIN20090527_004803_000000372079_00217_37846_8144.N1	27-MAY-2009 00:48:03	Bright	37.000	127	27Bet Her	2.7810	4700.0	74	37846	No
9	GOM_NL__2PRFIN20090527_005138_000000382079_00217_37846_8145.N1	27-MAY-2009 00:51:38	Bright	38.000	133	40Zet Her	2.8070	6000.0	76	37846	No
10	GOM_NL__2PRFIN20090527_005915_000000382079_00217_37846_8146.N1	27-MAY-2009 00:59:15	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	37846	No
11	GOM_NL__2PRFIN20090527_010958_000000342079_00217_37846_8147.N1	27-MAY-2009 01:09:58	Bright	33.500	89	5Alp Cep	2.4510	8000.0	67	37846	No
12	GOM_NL__2PRFIN20090527_012431_000000282079_00217_37846_8148.N1	27-MAY-2009 01:24:31	Twilight	28.000	58	21Alp And	2.0730	11000.	56	37846	No
13	GOM_NL__2PRFIN20090527_012909_000000292079_00217_37846_8149.N1	27-MAY-2009 01:29:09	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37846	No
14	GOM_NL__2PRFIN20090527_014600_000000392079_00217_37846_8150.N1	27-MAY-2009 01:46:00	Dark	39.000	18	24Alp PsA	1.1660	9700.0	78	37846	No
15	GOM_NL__2PRFIN20090527_015140_000000422079_00218_37847_8146.N1	27-MAY-2009 01:51:40	Dark	42.000	172	Gam Gru	3.0030	13100.	84	37847	No
16	GOM_NL__2PRFIN20090527_020638_000000342079_00218_37847_8147.N1	27-MAY-2009 02:06:38	Straylight	34.000	178	lot1Sco	3.0220	6550.0	68	37847	No
17	GOM_NL__2PRFIN20090527_020758_000000342079_00218_37847_8148.N1	27-MAY-2009 02:07:58	Straylight	33.500	25	35Lam Sco	1.6200	28000.	67	37847	No
18	GOM_NL__2PRFIN20090527_021549_000000372079_00218_37847_8149.N1	27-MAY-2009 02:15:49	Bright	37.000	86	35Eta Oph	2.4300	10200.	74	37847	No
19	GOM_NL__2PRFIN20090527_021746_000000342079_00218_37847_8150.N1	27-MAY-2009 02:17:46	Bright	33.500	98	13Zet Oph	2.5710	30000.	67	37847	No
20	GOM_NL__2PRFIN20090527_022001_000000332079_00218_37847_8151.N1	27-MAY-2009 02:20:01	Bright	32.500	120	1Del Oph	2.7340	3200.0	65	37847	No
21	GOM_NL__2PRFIN20090527_022838_000000372079_00218_37847_8152.N1	27-MAY-2009 02:28:38	Bright	37.000	127	27Bet Her	2.7810	4700.0	74	37847	No
22	GOM_NL__2PRFIN20090527_023213_000000382079_00218_37847_8153.N1	27-MAY-2009 02:32:13	Bright	37.500	133	40Zet Her	2.8070	6000.0	75	37847	No
23	GOM_NL__2PRFIN20090527_023951_000000372079_00218_37847_8154.N1	27-MAY-2009 02:39:51	Bright	36.500	130	23Bet Dra	2.7990	5800.0	73	37847	No
24	GOM_NL__2PRFIN20090527_025034_000000332079_00218_37847_8155.N1	27-MAY-2009 02:50:34	Twilight	32.500	89	5Alp Cep	2.4510	8000.0	65	37847	No
25	GOM_NL__2PRFIN20090527_030507_000000282079_00218_37847_8156.N1	27-MAY-2009 03:05:07	Twilight	28.000	58	21Alp And	2.0730	11000.	56	37847	No
26	GOM_NL__2PRFIN20090527_030946_000000292079_00218_37847_8157.N1	27-MAY-2009 03:09:46	Dark	28.500	140	88Gam Peg	2.8340	26000.	57	37847	No
27	GOM_NL__2PRFIN20090527_032638_000000392079_00218_37847_8158.N1	27-MAY-2009 03:26:38	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37847	No
28	GOM_NL__2PRFIN20090527_033217_000000422079_00219_37848_8174.N1	27-MAY-2009 03:32:17	Dark	42.000	172	Gam Gru	3.0030	13100.	84	37848	No
29	GOM_NL__2PRFIN20090527_034714_000000342079_00219_37848_8175.N1	27-MAY-2009 03:47:14	Straylight	34.000	178	lot1Sco	3.0220	6550.0	68	37848	No
30	GOM_NL__2PRFIN20090527_034834_000000342079_00219_37848_8176.N1	27-MAY-2009 03:48:34	Straylight	34.000	25	35Lam Sco	1.6200	28000.	68	37848	No
31	GOM_NL__2PRFIN20090527_035626_000000372079_00219_37848_8177.N1	27-MAY-2009 03:56:26	Bright	37.000	86	35Eta Oph	2.4300	10200.	74	37848	No
32	GOM_NL__2PRFIN20090527_035822_000000342079_00219_37848_8178.N1	27-MAY-2009 03:58:22	Bright	34.000	98	13Zet Oph	2.5710	30000.	68	37848	No
33	GOM_NL__2PRFIN20090527_040038_000000332079_00219_37848_8179.N1	27-MAY-2009 04:00:38	Bright	32.500	120	1Del Oph	2.7340	3200.0	65	37848	No
34	GOM_NL__2PRFIN20090527_040914_000000372079_00219_37848_8180.N1	27-MAY-2009 04:09:14	Bright	36.500	127	27Bet Her	2.7810	4700.0	73	37848	No
35	GOM_NL__2PRFIN20090527_041249_000000382079_00219_37848_8181.N1	27-MAY-2009 04:12:49	Bright	38.000	133	40Zet Her	2.8070	6000.0	76	37848	No
36	GOM_NL__2PRFIN20090527_042026_000000372079_00219_37848_8182.N1	27-MAY-2009 04:20:26	Bright	36.500	130	23Bet Dra	2.7990	5800.0	73	37848	No
37	GOM_NL__2PRFIN20090527_043110_000000332079_00219_37848_8183.N1	27-MAY-2009 04:31:10	Bright	33.000	89	5Alp Cep	2.4510	8000.0	66	37848	No
38	GOM_NL__2PRFIN20090527_044544_000000282079_00219_37848_8184.N1	27-MAY-2009 04:45:44	Twilight	28.000	58	21Alp And	2.0730	11000.	56	37848	No
39	GOM_NL__2PRFIN20090527_045022_000000292079_00219_37848_8185.N1	27-MAY-2009 04:50:22	Dark	28.500	140	88Gam Peg	2.8340	26000.	57	37848	No
40	GOM_NL__2PRFIN20090527_050715_000000392079_00219_37848_8186.N1	27-MAY-2009 05:07:15	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37848	No
41	GOM_NL__2PRFIN20090527_051255_000000422079_00220_37849_8182.N1	27-MAY-2009 05:12:55	Dark	41.500	172	Gam Gru	3.0030	13100.	83	37849	No
42	GOM_NL__2PRFIN20090527_052751_000000352079_00220_37849_8183.N1	27-MAY-2009 05:27:51	Straylight	34.500	178	lot1Sco	3.0220	6550.0	69	37849	No

43	GOM_NL__2PRFIN20090527_052911_000000342079_00220_37849_8184.N1	27-MAY-2009 05:29:11	Straylight	34.000	25	35Lam Sco	1.6200	28000.	68	37849	No
44	GOM_NL__2PRFIN20090527_053701_000000382079_00220_37849_8185.N1	27-MAY-2009 05:37:01	Bright	37.500	86	35Eta Oph	2.4300	10200.	75	37849	No
45	GOM_NL__2PRFIN20090527_053858_000000342079_00220_37849_8186.N1	27-MAY-2009 05:38:58	Bright	33.500	98	13Zet Oph	2.5710	30000.	67	37849	No
46	GOM_NL__2PRFIN20090527_054113_000000332079_00220_37849_8187.N1	27-MAY-2009 05:41:13	Bright	32.500	120	1Del Oph	2.7340	3200.0	65	37849	No
47	GOM_NL__2PRFIN20090527_054949_000000372079_00220_37849_8188.N1	27-MAY-2009 05:49:49	Bright	37.000	127	27Bet Her	2.7810	4700.0	74	37849	No
48	GOM_NL__2PRFIN20090527_055325_000000382079_00220_37849_8189.N1	27-MAY-2009 05:53:25	Bright	37.500	133	40Zet Her	2.8070	6000.0	75	37849	No
49	GOM_NL__2PRFIN20090527_060101_000000372079_00220_37849_8190.N1	27-MAY-2009 06:01:01	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	37849	No
50	GOM_NL__2PRFIN20090527_061145_000000332079_00220_37849_8191.N1	27-MAY-2009 06:11:45	Twilight_stray	32.500	89	5Alp Cep	2.4510	8000.0	65	37849	No
51	GOM_NL__2PRFIN20090527_062620_000000282079_00220_37849_8192.N1	27-MAY-2009 06:26:20	Twilight_stray	28.000	58	21Alp And	2.0730	11000.	56	37849	No
52	GOM_NL__2PRFIN20090527_063059_000000292079_00220_37849_8193.N1	27-MAY-2009 06:30:59	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37849	No
53	GOM_NL__2PRFIN20090527_064752_000000392079_00220_37849_8194.N1	27-MAY-2009 06:47:52	Dark	39.000	18	24Alp PsA	1.1660	9700.0	78	37849	No
54	GOM_NL__2PRFIN20090527_065332_000000422079_00221_37850_8191.N1	27-MAY-2009 06:53:32	Dark	42.000	172	Gam Gru	3.0030	13100.	84	37850	No
55	GOM_NL__2PRFIN20090527_070828_000000342079_00221_37850_8192.N1	27-MAY-2009 07:08:28	Straylight	34.000	178	lot1Sco	3.0220	6550.0	68	37850	No
56	GOM_NL__2PRFIN20090527_070947_000000342079_00221_37850_8193.N1	27-MAY-2009 07:09:47	Straylight	34.000	25	35Lam Sco	1.6200	28000.	68	37850	No
57	GOM_NL__2PRFIN20090527_071738_000000372079_00221_37850_8194.N1	27-MAY-2009 07:17:38	Bright	37.000	86	35Eta Oph	2.4300	10200.	74	37850	No
58	GOM_NL__2PRFIN20090527_071934_000000342079_00221_37850_8195.N1	27-MAY-2009 07:19:34	Bright	33.500	98	13Zet Oph	2.5710	30000.	67	37850	No
59	GOM_NL__2PRFIN20090527_072149_000000332079_00221_37850_8196.N1	27-MAY-2009 07:21:49	Bright	32.500	120	1Del Oph	2.7340	3200.0	65	37850	No
60	GOM_NL__2PRFIN20090527_073025_000000372079_00221_37850_8197.N1	27-MAY-2009 07:30:25	Bright	36.500	127	27Bet Her	2.7810	4700.0	73	37850	No
61	GOM_NL__2PRFIN20090527_073400_000000382079_00221_37850_8198.N1	27-MAY-2009 07:34:00	Bright	37.500	133	40Zet Her	2.8070	6000.0	75	37850	No
62	GOM_NL__2PRFIN20090527_074136_000000382079_00221_37850_8199.N1	27-MAY-2009 07:41:36	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	37850	No
63	GOM_NL__2PRFIN20090527_075220_000000342079_00221_37850_8200.N1	27-MAY-2009 07:52:20	Bright	33.500	89	5Alp Cep	2.4510	8000.0	67	37850	No
64	GOM_NL__2PRFIN20090527_080656_000000292079_00221_37850_8201.N1	27-MAY-2009 08:06:56	Twilight_stray	28.500	58	21Alp And	2.0730	11000.	57	37850	No
65	GOM_NL__2PRFIN20090527_081134_000000302079_00221_37850_8202.N1	27-MAY-2009 08:11:34	Dark	29.500	140	88Gam Peg	2.8340	26000.	59	37850	No
66	GOM_NL__2PRFIN20090527_082828_000000392079_00221_37850_8203.N1	27-MAY-2009 08:28:28	Dark	39.000	18	24Alp PsA	1.1660	9700.0	78	37850	No
67	GOM_NL__2PRFIN20090527_083409_000000422079_00222_37851_8229.N1	27-MAY-2009 08:34:09	Dark	41.500	172	Gam Gru	3.0030	13100.	83	37851	No
68	GOM_NL__2PRFIN20090527_084904_000000352079_00222_37851_8230.N1	27-MAY-2009 08:49:04	Straylight	34.500	178	lot1Sco	3.0220	6550.0	69	37851	No
69	GOM_NL__2PRFIN20090527_085024_000000342079_00222_37851_8231.N1	27-MAY-2009 08:50:24	Straylight	34.000	25	35Lam Sco	1.6200	28000.	68	37851	No
70	GOM_NL__2PRFIN20090527_085814_000000372079_00222_37851_8232.N1	27-MAY-2009 08:58:14	Bright	37.000	86	35Eta Oph	2.4300	10200.	74	37851	No
71	GOM_NL__2PRFIN20090527_090010_000000332079_00222_37851_8233.N1	27-MAY-2009 09:00:10	Bright	33.000	98	13Zet Oph	2.5710	30000.	66	37851	No
72	GOM_NL__2PRFIN20090527_090225_000000322079_00222_37851_8234.N1	27-MAY-2009 09:02:25	Bright	32.000	120	1Del Oph	2.7340	3200.0	64	37851	No
73	GOM_NL__2PRFIN20090527_091100_000000372079_00222_37851_8235.N1	27-MAY-2009 09:11:00	Bright	36.500	127	27Bet Her	2.7810	4700.0	73	37851	No
74	GOM_NL__2PRFIN20090527_091435_000000382079_00222_37851_8236.N1	27-MAY-2009 09:14:35	Bright	37.500	133	40Zet Her	2.8070	6000.0	75	37851	No
75	GOM_NL__2PRFIN20090527_092211_000000382079_00222_37851_8237.N1	27-MAY-2009 09:22:11	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	37851	No
76	GOM_NL__2PRFIN20090527_093256_000000332079_00222_37851_8238.N1	27-MAY-2009 09:32:56	Twilight_stray	33.000	89	5Alp Cep	2.4510	8000.0	66	37851	No
77	GOM_NL__2PRFIN20090527_094732_000000282079_00222_37851_8239.N1	27-MAY-2009 09:47:32	Twilight_stray	28.000	58	21Alp And	2.0730	11000.	56	37851	No
78	GOM_NL__2PRFIN20090527_095211_000000292079_00222_37851_8240.N1	27-MAY-2009 09:52:11	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37851	No
79	GOM_NL__2PRFIN20090527_100905_000000392079_00222_37851_8241.N1	27-MAY-2009 10:09:05	Dark	39.000	18	24Alp PsA	1.1660	9700.0	78	37851	No
80	GOM_NL__2PRFIN20090527_101446_000000422079_00223_37852_8243.N1	27-MAY-2009 10:14:46	Dark	42.000	172	Gam Gru	3.0030	13100.	84	37852	No
81	GOM_NL__2PRFIN20090527_102941_000000342079_00223_37852_8244.N1	27-MAY-2009 10:29:41	Straylight	34.000	178	lot1Sco	3.0220	6550.0	68	37852	No
82	GOM_NL__2PRFIN20090527_103100_000000342079_00223_37852_8245.N1	27-MAY-2009 10:31:00	Straylight	34.000	25	35Lam Sco	1.6200	28000.	68	37852	No
83	GOM_NL__2PRFIN20090527_103849_000000382079_00223_37852_8246.N1	27-MAY-2009 10:38:49	Bright	37.500	86	35Eta Oph	2.4300	10200.	75	37852	No
84	GOM_NL__2PRFIN20090527_104046_000000342079_00223_37852_8247.N1	27-MAY-2009 10:40:46	Bright	33.500	98	13Zet Oph	2.5710	30000.	67	37852	No
85	GOM_NL__2PRFIN20090527_104301_000000322079_00223_37852_8248.N1	27-MAY-2009 10:43:01	Bright	32.000	120	1Del Oph	2.7340	3200.0	64	37852	No
86	GOM_NL__2PRFIN20090527_105135_000000372079_00223_37852_8249.N1	27-MAY-2009 10:51:35	Bright	36.500	127	27Bet Her	2.7810	4700.0	73	37852	No
87	GOM_NL__2PRFIN20090527_105510_000000382079_00223_37852_8250.N1	27-MAY-2009 10:55:10	Bright	37.500	133	40Zet Her	2.8070	6000.0	75	37852	No
88	GOM_NL__2PRFIN20090527_110246_000000372079_00223_37852_8251.N1	27-MAY-2009 11:02:46	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	37852	No
89	GOM_NL__2PRFIN20090527_111331_000000342079_00223_37852_8252.N1	27-MAY-2009 11:13:31	Bright	33.500	89	5Alp Cep	2.4510	8000.0	67	37852	No
90	GOM_NL__2PRFIN20090527_112808_000000292079_00223_37852_8253.N1	27-MAY-2009 11:28:08	Twilight_stray	28.500	58	21Alp And	2.0730	11000.	57	37852	No
91	GOM_NL__2PRFIN20090527_113247_000000292079_00223_37852_8254.N1	27-MAY-2009 11:32:47	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37852	No
92	GOM_NL__2PRFIN20090527_114943_000000392079_00223_37852_8255.N1	27-MAY-2009 11:49:43	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37852	No
93	GOM_NL__2PRFIN20090527_115523_000000422079_00224_37853_8257.N1	27-MAY-2009 11:55:23	Dark	42.000	172	Gam Gru	3.0030	13100.	84	37853	No
94	GOM_NL__2PRFIN20090527_121017_000000342079_00224_37853_8258.N1	27-MAY-2009 12:10:17	Straylight	34.000	178	lot1Sco	3.0220	6550.0	68	37853	No
95	GOM_NL__2PRFIN20090527_121137_000000342079_00224_37853_8259.N1	27-MAY-2009 12:11:37	Straylight	33.500	25	35Lam Sco	1.6200	28000.	67	37853	No
96	GOM_NL__2PRFIN20090527_121926_000000372079_00224_37853_8260.N1	27-MAY-2009 12:19:26	Bright	36.500	86	35Eta Oph	2.4300	10200.	73	37853	No
97	GOM_NL__2PRFIN20090527_122122_000000342079_00224_37853_8261.N1	27-MAY-2009 12:21:22	Bright	33.500	98	13Zet Oph	2.5710	30000.	67	37853	No
98	GOM_NL__2PRFIN20090527_122337_000000322079_00224_37853_8262.N1	27-MAY-2009 12:23:37	Bright	32.000	120	1Del Oph	2.7340	3200.0	64	37853	No
99	GOM_NL__2PRFIN20090527_123211_000000372079_00224_37853_8263.N1	27-MAY-2009 12:32:11	Bright	36.500	127	27Bet Her	2.7810	4700.0	73	37853	No
100	GOM_NL__2PRFIN20090527_123545_000000372079_00224_37853_8264.N1	27-MAY-2009 12:35:45	Bright	37.000	133	40Zet Her	2.8070	6000.0	74	37853	No
101	GOM_NL__2PRFIN20090527_124322_000000372079_00224_37853_8265.N1	27-MAY-2009 12:43:22	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	37853	No

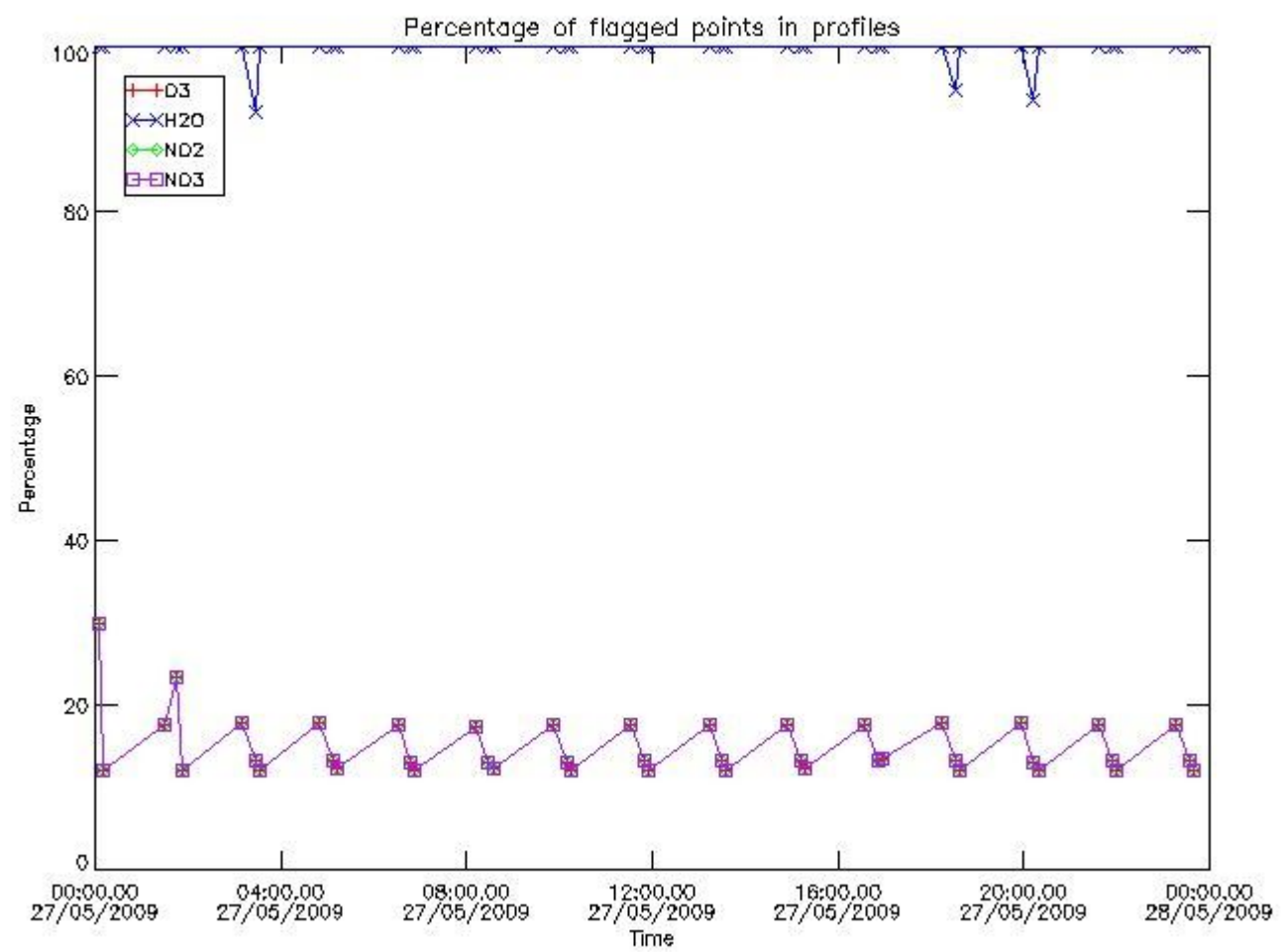
102	GOM_NL__2PRFIN20090527_130844_000000292079_00224_37853_8266.N1	27-MAY-2009 13:08:44	Twilight	28.500	58	21Alp And	2.0730	11000.	57	37853	No
103	GOM_NL__2PRFIN20090527_131324_000000292079_00224_37853_8267.N1	27-MAY-2009 13:13:24	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37853	No
104	GOM_NL__2PRFIN20090527_133020_000000392079_00224_37853_8268.N1	27-MAY-2009 13:30:20	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37853	No
105	GOM_NL__2PRFIN20090527_133600_000000422079_00225_37854_8271.N1	27-MAY-2009 13:36:00	Dark	42.000	172	Gam Gru	3.0030	13100.	84	37854	No
106	GOM_NL__2PRFIN20090527_135053_000000342079_00225_37854_8272.N1	27-MAY-2009 13:50:53	Straylight	34.000	178	lot1Sco	3.0220	6550.0	68	37854	No
107	GOM_NL__2PRFIN20090527_135213_000000332079_00225_37854_8273.N1	27-MAY-2009 13:52:13	Straylight	33.000	25	35Lam Sco	1.6200	28000.	66	37854	No
108	GOM_NL__2PRFIN20090527_140002_000000372079_00225_37854_8274.N1	27-MAY-2009 14:00:02	Bright	36.500	86	35Eta Oph	2.4300	10200.	73	37854	No
109	GOM_NL__2PRFIN20090527_140158_000000342079_00225_37854_8275.N1	27-MAY-2009 14:01:58	Bright	33.500	98	13Zet Oph	2.5710	30000.	67	37854	No
110	GOM_NL__2PRFIN20090527_140413_000000322079_00225_37854_8276.N1	27-MAY-2009 14:04:13	Bright	32.000	120	1Del Oph	2.7340	3200.0	64	37854	No
111	GOM_NL__2PRFIN20090527_141246_000000362079_00225_37854_8277.N1	27-MAY-2009 14:12:46	Bright	36.000	127	27Bet Her	2.7810	4700.0	72	37854	No
112	GOM_NL__2PRFIN20090527_141620_000000372079_00225_37854_8278.N1	27-MAY-2009 14:16:20	Bright	37.000	133	40Zet Her	2.8070	6000.0	74	37854	No
113	GOM_NL__2PRFIN20090527_142357_000000372079_00225_37854_8279.N1	27-MAY-2009 14:23:57	Bright	36.500	130	23Bet Dra	2.7990	5800.0	73	37854	No
114	GOM_NL__2PRFIN20090527_143442_000000332079_00225_37854_8280.N1	27-MAY-2009 14:34:42	Twilight	33.000	89	5Alp Cep	2.4510	8000.0	66	37854	No
115	GOM_NL__2PRFIN20090527_144920_000000282079_00225_37854_8281.N1	27-MAY-2009 14:49:20	Twilight	28.000	58	21Alp And	2.0730	11000.	56	37854	No
116	GOM_NL__2PRFIN20090527_145400_000000292079_00225_37854_8282.N1	27-MAY-2009 14:54:00	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37854	No
117	GOM_NL__2PRFIN20090527_151057_000000392079_00225_37854_8283.N1	27-MAY-2009 15:10:57	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37854	No
118	GOM_NL__2PRFIN20090527_151638_000000422079_00226_37855_8285.N1	27-MAY-2009 15:16:38	Dark	41.500	172	Gam Gru	3.0030	13100.	83	37855	No
119	GOM_NL__2PRFIN20090527_153130_000000342079_00226_37855_8286.N1	27-MAY-2009 15:31:30	Straylight	33.500	178	lot1Sco	3.0220	6550.0	67	37855	No
120	GOM_NL__2PRFIN20090527_153249_000000332079_00226_37855_8287.N1	27-MAY-2009 15:32:49	Straylight	33.000	25	35Lam Sco	1.6200	28000.	66	37855	No
121	GOM_NL__2PRFIN20090527_154038_000000362079_00226_37855_8288.N1	27-MAY-2009 15:40:38	Bright	36.000	86	35Eta Oph	2.4300	10200.	72	37855	No
122	GOM_NL__2PRFIN20090527_154234_000000332079_00226_37855_8289.N1	27-MAY-2009 15:42:34	Bright	33.000	98	13Zet Oph	2.5710	30000.	66	37855	No
123	GOM_NL__2PRFIN20090527_154449_000000322079_00226_37855_8290.N1	27-MAY-2009 15:44:49	Bright	32.000	120	1Del Oph	2.7340	3200.0	64	37855	No
124	GOM_NL__2PRFIN20090527_155322_000000362079_00226_37855_8291.N1	27-MAY-2009 15:53:22	Bright	36.000	127	27Bet Her	2.7810	4700.0	72	37855	No
125	GOM_NL__2PRFIN20090527_155656_000000372079_00226_37855_8292.N1	27-MAY-2009 15:56:56	Bright	37.000	133	40Zet Her	2.8070	6000.0	74	37855	No
126	GOM_NL__2PRFIN20090527_160432_000000372079_00226_37855_8293.N1	27-MAY-2009 16:04:32	Bright	36.500	130	23Bet Dra	2.7990	5800.0	73	37855	No
127	GOM_NL__2PRFIN20090527_161517_000000332079_00226_37855_8294.N1	27-MAY-2009 16:15:17	Twilight	33.000	89	5Alp Cep	2.4510	8000.0	66	37855	No
128	GOM_NL__2PRFIN20090527_162957_000000282079_00226_37855_8295.N1	27-MAY-2009 16:29:57	Twilight	28.000	58	21Alp And	2.0730	11000.	56	37855	No
129	GOM_NL__2PRFIN20090527_163437_000000292079_00226_37855_8296.N1	27-MAY-2009 16:34:37	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37855	No
130	GOM_NL__2PRFIN20090527_165134_000000392079_00226_37855_8297.N1	27-MAY-2009 16:51:34	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37855	No
131	GOM_NL__2PRFIN20090527_165715_000000422079_00227_37856_8301.N1	27-MAY-2009 16:57:15	Dark	41.500	172	Gam Gru	3.0030	13100.	83	37856	No
132	GOM_NL__2PRFIN20090527_171207_000000342079_00227_37856_8302.N1	27-MAY-2009 17:12:07	Straylight	34.000	178	lot1Sco	3.0220	6550.0	68	37856	No
133	GOM_NL__2PRFIN20090527_171325_000000342079_00227_37856_8303.N1	27-MAY-2009 17:13:25	Straylight	34.000	25	35Lam Sco	1.6200	28000.	68	37856	No
134	GOM_NL__2PRFIN20090527_172114_000000372079_00227_37856_8304.N1	27-MAY-2009 17:21:14	Bright	36.500	86	35Eta Oph	2.4300	10200.	73	37856	No
135	GOM_NL__2PRFIN20090527_172310_000000332079_00227_37856_8305.N1	27-MAY-2009 17:23:10	Bright	33.000	98	13Zet Oph	2.5710	30000.	66	37856	No
136	GOM_NL__2PRFIN20090527_172524_000000322079_00227_37856_8306.N1	27-MAY-2009 17:25:24	Bright	32.000	120	1Del Oph	2.7340	3200.0	64	37856	No
137	GOM_NL__2PRFIN20090527_173357_000000372079_00227_37856_8307.N1	27-MAY-2009 17:33:57	Bright	36.500	127	27Bet Her	2.7810	4700.0	73	37856	No
138	GOM_NL__2PRFIN20090527_173731_000000382079_00227_37856_8308.N1	27-MAY-2009 17:37:31	Bright	37.500	133	40Zet Her	2.8070	6000.0	75	37856	No
139	GOM_NL__2PRFIN20090527_174507_000000372079_00227_37856_8309.N1	27-MAY-2009 17:45:07	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	37856	No
140	GOM_NL__2PRFIN20090527_175552_000000332079_00227_37856_8310.N1	27-MAY-2009 17:55:52	Twilight	33.000	89	5Alp Cep	2.4510	8000.0	66	37856	No
141	GOM_NL__2PRFIN20090527_181033_000000282079_00227_37856_8311.N1	27-MAY-2009 18:10:33	Twilight	28.000	58	21Alp And	2.0730	11000.	56	37856	No
142	GOM_NL__2PRFIN20090527_181513_000000292079_00227_37856_8312.N1	27-MAY-2009 18:15:13	Dark	28.500	140	88Gam Peg	2.8340	26000.	57	37856	No
143	GOM_NL__2PRFIN20090527_183211_000000392079_00227_37856_8313.N1	27-MAY-2009 18:32:11	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37856	No
144	GOM_NL__2PRFIN20090527_183752_000000432079_00228_37857_8319.N1	27-MAY-2009 18:37:52	Dark	42.500	172	Gam Gru	3.0030	13100.	85	37857	No
145	GOM_NL__2PRFIN20090527_185243_000000342079_00228_37857_8320.N1	27-MAY-2009 18:52:43	Straylight	33.500	178	lot1Sco	3.0220	6550.0	67	37857	No
146	GOM_NL__2PRFIN20090527_185402_000000332079_00228_37857_8321.N1	27-MAY-2009 18:54:02	Straylight	33.000	25	35Lam Sco	1.6200	28000.	66	37857	No
147	GOM_NL__2PRFIN20090527_190150_000000362079_00228_37857_8322.N1	27-MAY-2009 19:01:50	Bright	36.000	86	35Eta Oph	2.4300	10200.	72	37857	No
148	GOM_NL__2PRFIN20090527_190346_000000332079_00228_37857_8323.N1	27-MAY-2009 19:03:46	Bright	32.500	98	13Zet Oph	2.5710	30000.	65	37857	No
149	GOM_NL__2PRFIN20090527_190601_000000312079_00228_37857_8324.N1	27-MAY-2009 19:06:01	Bright	31.000	120	1Del Oph	2.7340	3200.0	62	37857	No
150	GOM_NL__2PRFIN20090527_191433_000000362079_00228_37857_8325.N1	27-MAY-2009 19:14:33	Bright	35.500	127	27Bet Her	2.7810	4700.0	71	37857	No
151	GOM_NL__2PRFIN20090527_191807_000000372079_00228_37857_8326.N1	27-MAY-2009 19:18:07	Bright	36.500	133	40Zet Her	2.8070	6000.0	73	37857	No
152	GOM_NL__2PRFIN20090527_192543_000000362079_00228_37857_8327.N1	27-MAY-2009 19:25:43	Bright	36.000	130	23Bet Dra	2.7990	5800.0	72	37857	No
153	GOM_NL__2PRFIN20090527_193628_000000332079_00228_37857_8328.N1	27-MAY-2009 19:36:28	Twilight	33.000	89	5Alp Cep	2.4510	8000.0	66	37857	No
154	GOM_NL__2PRFIN20090527_195109_000000282079_00228_37857_8329.N1	27-MAY-2009 19:51:09	Twilight	28.000	58	21Alp And	2.0730	11000.	56	37857	No
155	GOM_NL__2PRFIN20090527_195549_000000292079_00228_37857_8330.N1	27-MAY-2009 19:55:49	Dark	28.500	140	88Gam Peg	2.8340	26000.	57	37857	No
156	GOM_NL__2PRFIN20090527_201248_000000392079_00228_37857_8331.N1	27-MAY-2009 20:12:48	Dark	39.000	18	24Alp PsA	1.1660	9700.0	78	37857	No
157	GOM_NL__2PRFIN20090527_201829_000000422079_00229_37858_8355.N1	27-MAY-2009 20:18:29	Dark	41.500	172	Gam Gru	3.0030	13100.	83	37858	No
158	GOM_NL__2PRFIN20090527_203319_000000342079_00229_37858_8356.N1	27-MAY-2009 20:33:19	Straylight	33.500	178	lot1Sco	3.0220	6550.0	67	37858	No
159	GOM_NL__2PRFIN20090527_203439_000000342079_00229_37858_8357.N1	27-MAY-2009 20:34:39	Straylight	33.500	25	35Lam Sco	1.6200	28000.	67	37858	No
160	GOM_NL__2PRFIN20090527_204226_000000362079_00229_37858_8358.N1	27-MAY-2009 20:42:26	Bright	36.000	86	35Eta Oph	2.4300	10200.	72	37858	No

161	GOM_NL__2PRFIN20090527_204422_000000332079_00229_37858_8359.N1	27-MAY-2009 20:44:22	Bright	33.000	98	13Zet Oph	2.5710	30000.	66	37858	No
162	GOM_NL__2PRFIN20090527_204637_000000322079_00229_37858_8360.N1	27-MAY-2009 20:46:37	Bright	31.500	120	1Del Oph	2.7340	3200.0	63	37858	No
163	GOM_NL__2PRFIN20090527_205508_000000362079_00229_37858_8361.N1	27-MAY-2009 20:55:08	Bright	36.000	127	27Bet Her	2.7810	4700.0	72	37858	No
164	GOM_NL__2PRFIN20090527_205842_000000372079_00229_37858_8362.N1	27-MAY-2009 20:58:42	Bright	37.000	133	40Zet Her	2.8070	6000.0	74	37858	No
165	GOM_NL__2PRFIN20090527_210618_000000362079_00229_37858_8363.N1	27-MAY-2009 21:06:18	Bright	36.000	130	23Bet Dra	2.7990	5800.0	72	37858	No
166	GOM_NL__2PRFIN20090527_211703_000000332079_00229_37858_8364.N1	27-MAY-2009 21:17:03	Twilight	33.000	89	5Alp Cep	2.4510	8000.0	66	37858	No
167	GOM_NL__2PRFIN20090527_213145_000000282079_00229_37858_8365.N1	27-MAY-2009 21:31:45	Twilight	28.000	58	21Alp And	2.0730	11000.	56	37858	No
168	GOM_NL__2PRFIN20090527_213626_000000292079_00229_37858_8366.N1	27-MAY-2009 21:36:26	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37858	No
169	GOM_NL__2PRFIN20090527_215325_000000392079_00229_37858_8367.N1	27-MAY-2009 21:53:25	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37858	No
170	GOM_NL__2PRFIN20090527_215906_000000422079_00230_37859_8370.N1	27-MAY-2009 21:59:06	Dark	42.000	172	Gam Gru	3.0030	13100.	84	37859	No
171	GOM_NL__2PRFIN20090527_221356_000000342079_00230_37859_8371.N1	27-MAY-2009 22:13:56	Straylight	33.500	178	1ot1Sco	3.0220	6550.0	67	37859	No
172	GOM_NL__2PRFIN20090527_221515_000000332079_00230_37859_8372.N1	27-MAY-2009 22:15:15	Straylight	33.000	25	35Lam Sco	1.6200	28000.	66	37859	No
173	GOM_NL__2PRFIN20090527_222302_000000372079_00230_37859_8373.N1	27-MAY-2009 22:23:02	Bright	36.500	86	35Eta Oph	2.4300	10200.	73	37859	No
174	GOM_NL__2PRFIN20090527_222458_000000332079_00230_37859_8374.N1	27-MAY-2009 22:24:58	Bright	33.000	98	13Zet Oph	2.5710	30000.	66	37859	No
175	GOM_NL__2PRFIN20090527_222712_000000322079_00230_37859_8375.N1	27-MAY-2009 22:27:12	Bright	31.500	120	1Del Oph	2.7340	3200.0	63	37859	No
176	GOM_NL__2PRFIN20090527_223543_000000362079_00230_37859_8376.N1	27-MAY-2009 22:35:43	Bright	36.000	127	27Bet Her	2.7810	4700.0	72	37859	No
177	GOM_NL__2PRFIN20090527_223917_000000372079_00230_37859_8377.N1	27-MAY-2009 22:39:17	Bright	37.000	133	40Zet Her	2.8070	6000.0	74	37859	No
178	GOM_NL__2PRFIN20090527_224653_000000362079_00230_37859_8378.N1	27-MAY-2009 22:46:53	Bright	36.000	130	23Bet Dra	2.7990	5800.0	72	37859	No
179	GOM_NL__2PRFIN20090527_225739_000000332079_00230_37859_8379.N1	27-MAY-2009 22:57:39	Twilight	33.000	89	5Alp Cep	2.4510	8000.0	66	37859	No
180	GOM_NL__2PRFIN20090527_231221_000000292079_00230_37859_8380.N1	27-MAY-2009 23:12:21	Twilight	28.500	58	21Alp And	2.0730	11000.	57	37859	No
181	GOM_NL__2PRFIN20090527_231702_000000292079_00230_37859_8381.N1	27-MAY-2009 23:17:02	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37859	No
182	GOM_NL__2PRFIN20090527_233402_000000392079_00230_37859_8382.N1	27-MAY-2009 23:34:02	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37859	No
183	GOM_NL__2PRFIN20090527_233943_000000422079_00231_37860_8387.N1	27-MAY-2009 23:39:43	Dark	42.000	172	Gam Gru	3.0030	13100.	84	37860	No
184	GOM_NL__2PRFIN20090527_235432_000000342079_00231_37860_8388.N1	27-MAY-2009 23:54:32	Straylight	33.500	178	1ot1Sco	3.0220	6550.0	67	37860	No
185	GOM_NL__2PRFIN20090527_235551_000000342079_00231_37860_8389.N1	27-MAY-2009 23:55:51	Straylight	33.500	25	35Lam Sco	1.6200	28000.	67	37860	No

### 3. Quality information per product

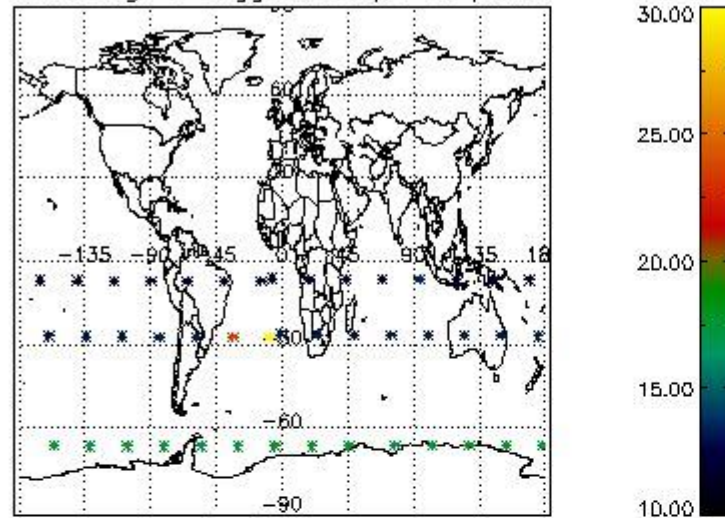
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

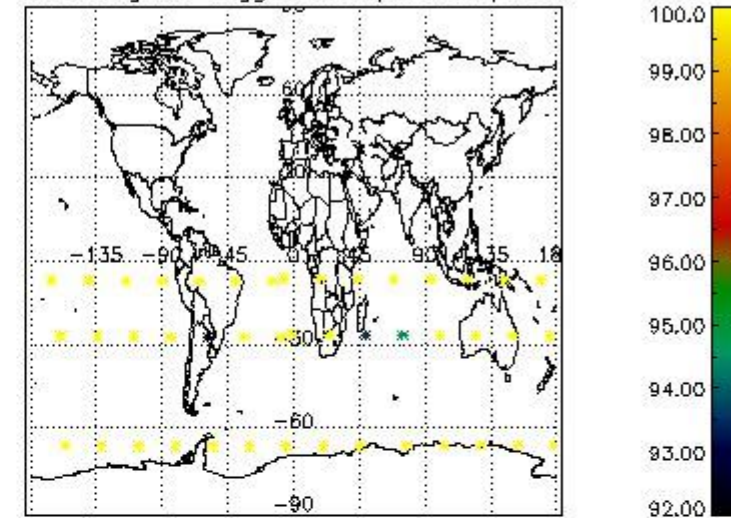


3.2 Plot quality information per product (world map)

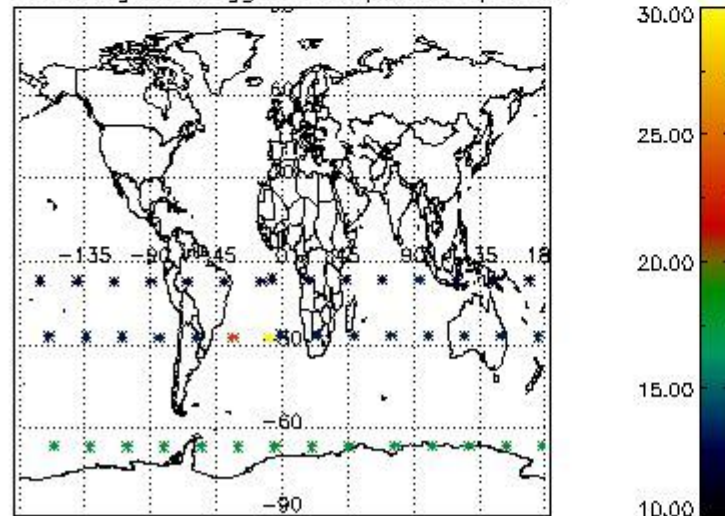
Percentage of flagged data per O3 profile



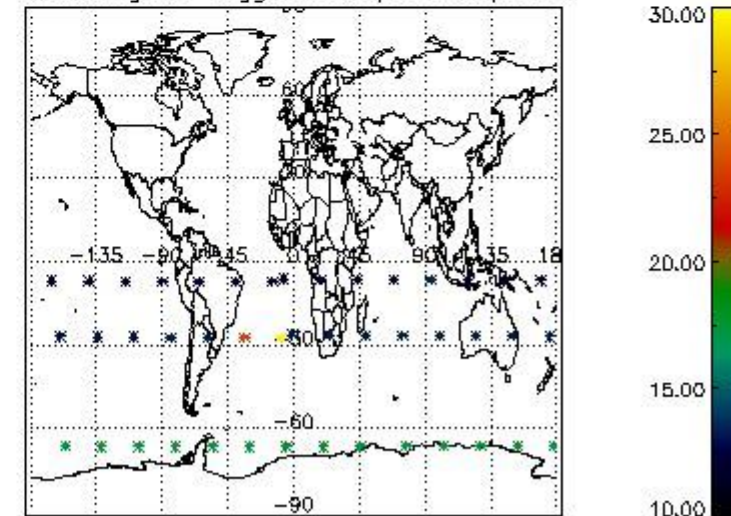
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

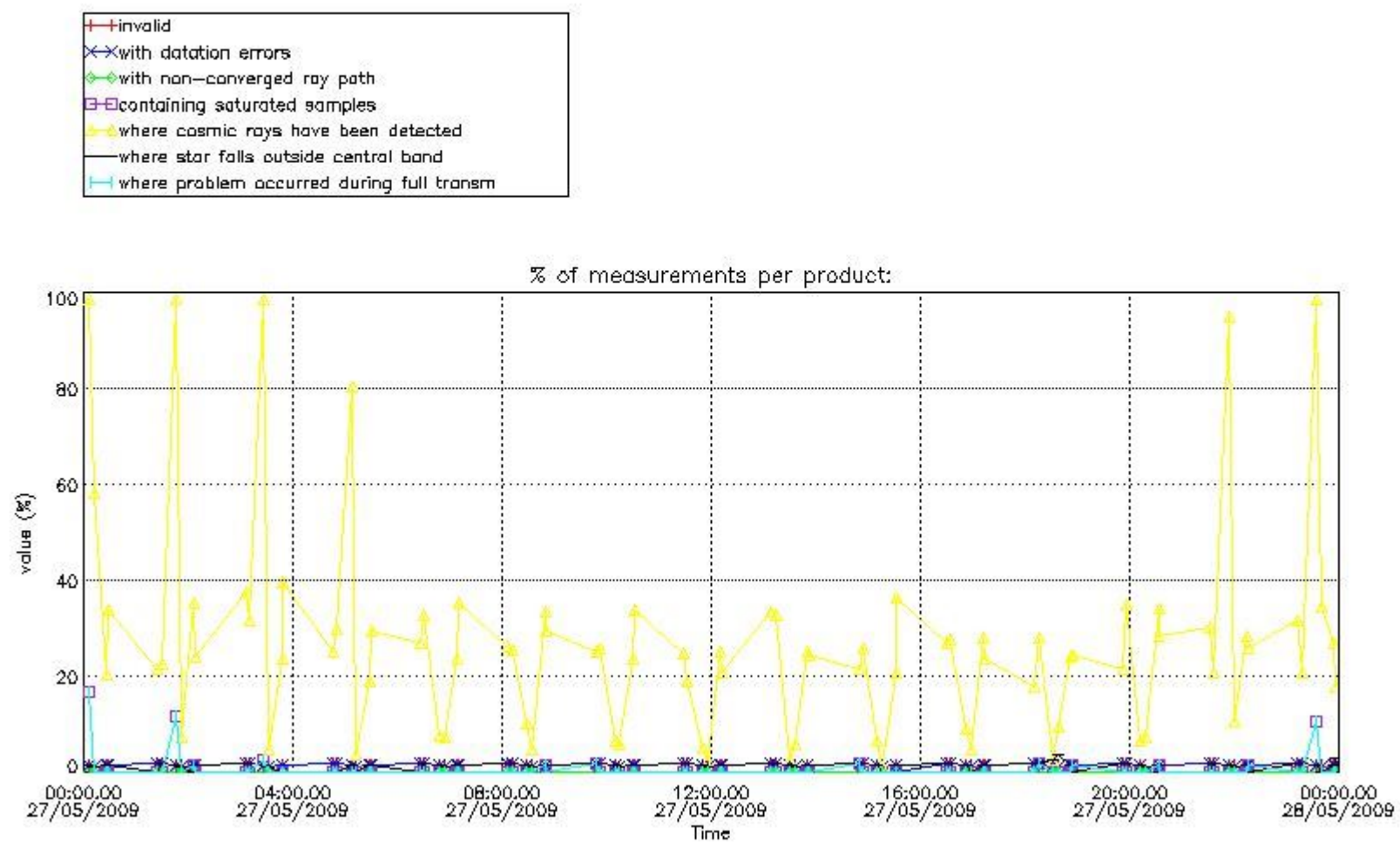


#### 4. Level 1 quality information per product

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

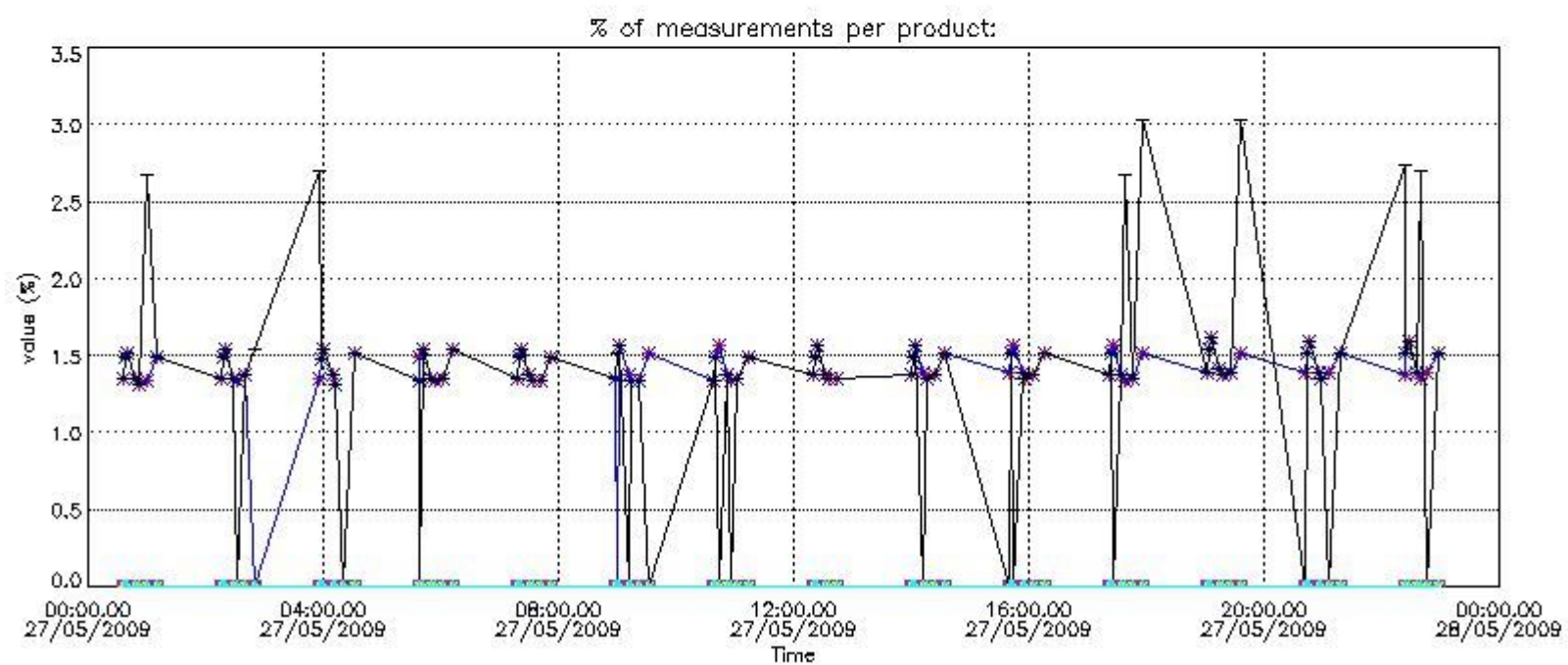
##### 4.1 Plot quality information per product (time dependant) coming from level 1b processing

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



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

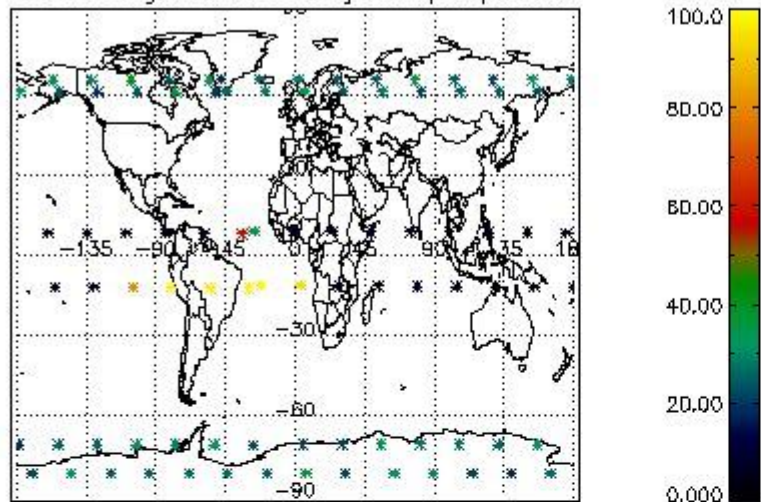




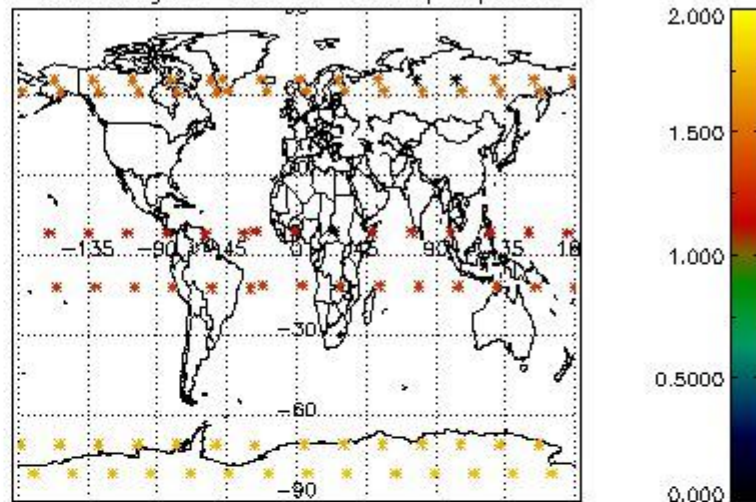
4.2 Plot quality information per product coming from level 1b processing (world map)

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

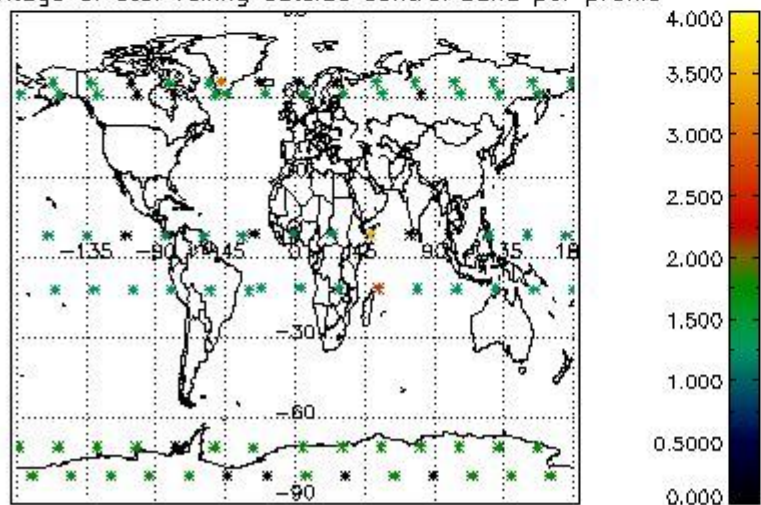
Percentage of cosmic ray hits per profile



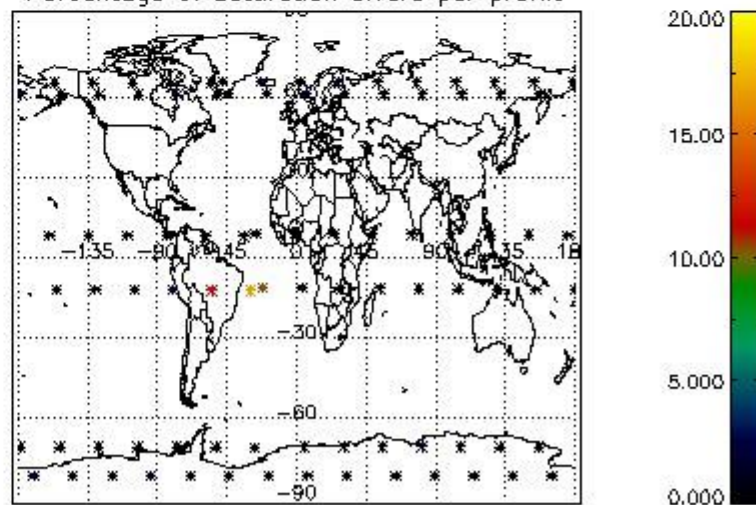
Percentage of datation errors per profile



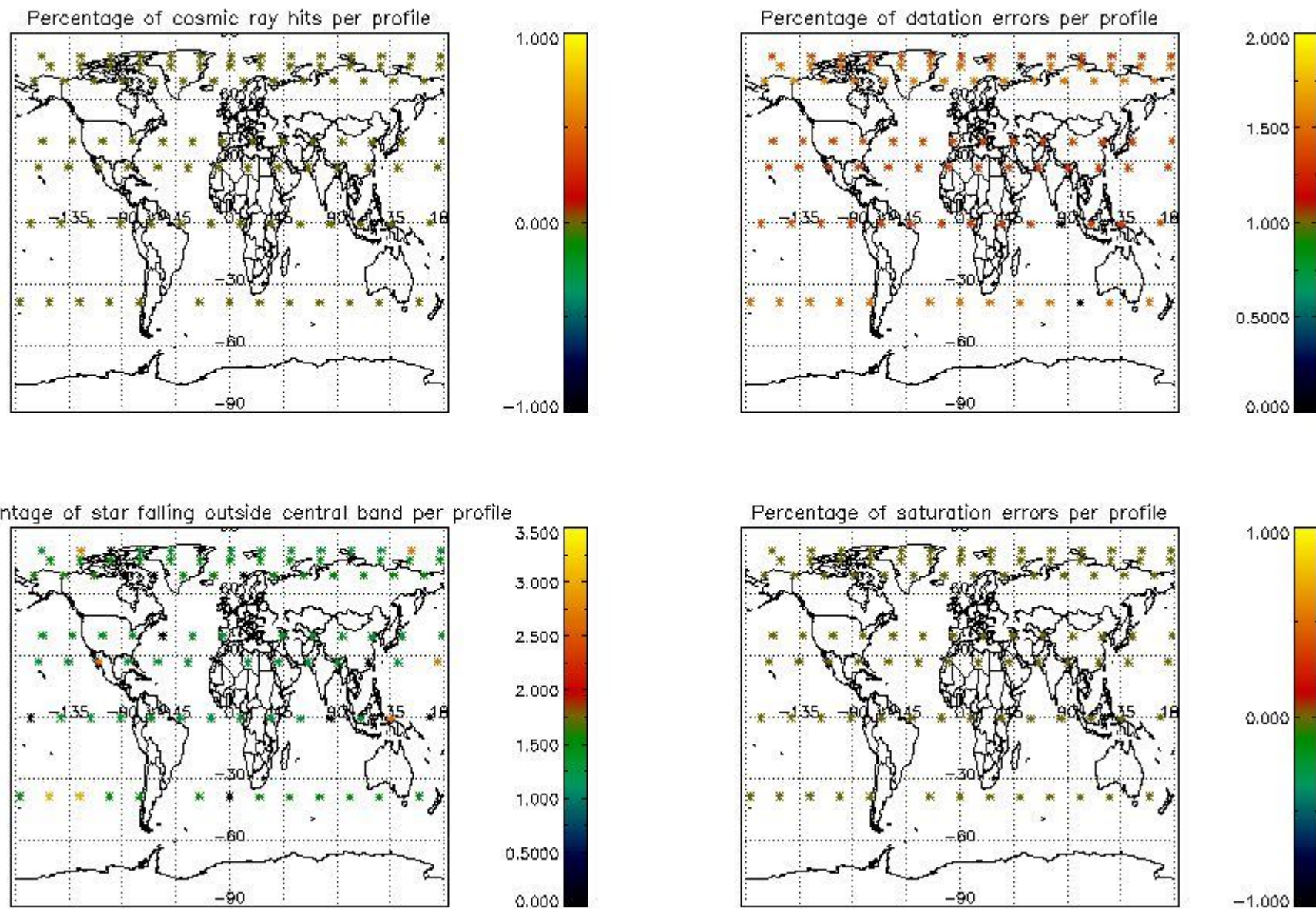
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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



## 5. Trace gas profiles

### 5.1 Ozone statistics based on quality of products

The final quality of the products can be "measured" using the STD (Standard Deviation) attached to every point profile. This information is written to the parameter GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/o3\_std of the level 2 products. The table below shows the statistics for given STD ranges.

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

- Products without fatal errors: GOM\_NL\_\_2P/MPH/PRODUCT\_ERR=0
- Valid point profile: GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/pcd(0)=0

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

- Products in dark limb illumination condition: GOM\_NL\_\_2P/NL\_SUMMARY\_QUALITY/obs\_ill\_cond=0
- Products without fatal errors: GOM\_NL\_\_2P/MPH/PRODUCT\_ERR=0
- Valid point profile: GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/pcd(0)=0

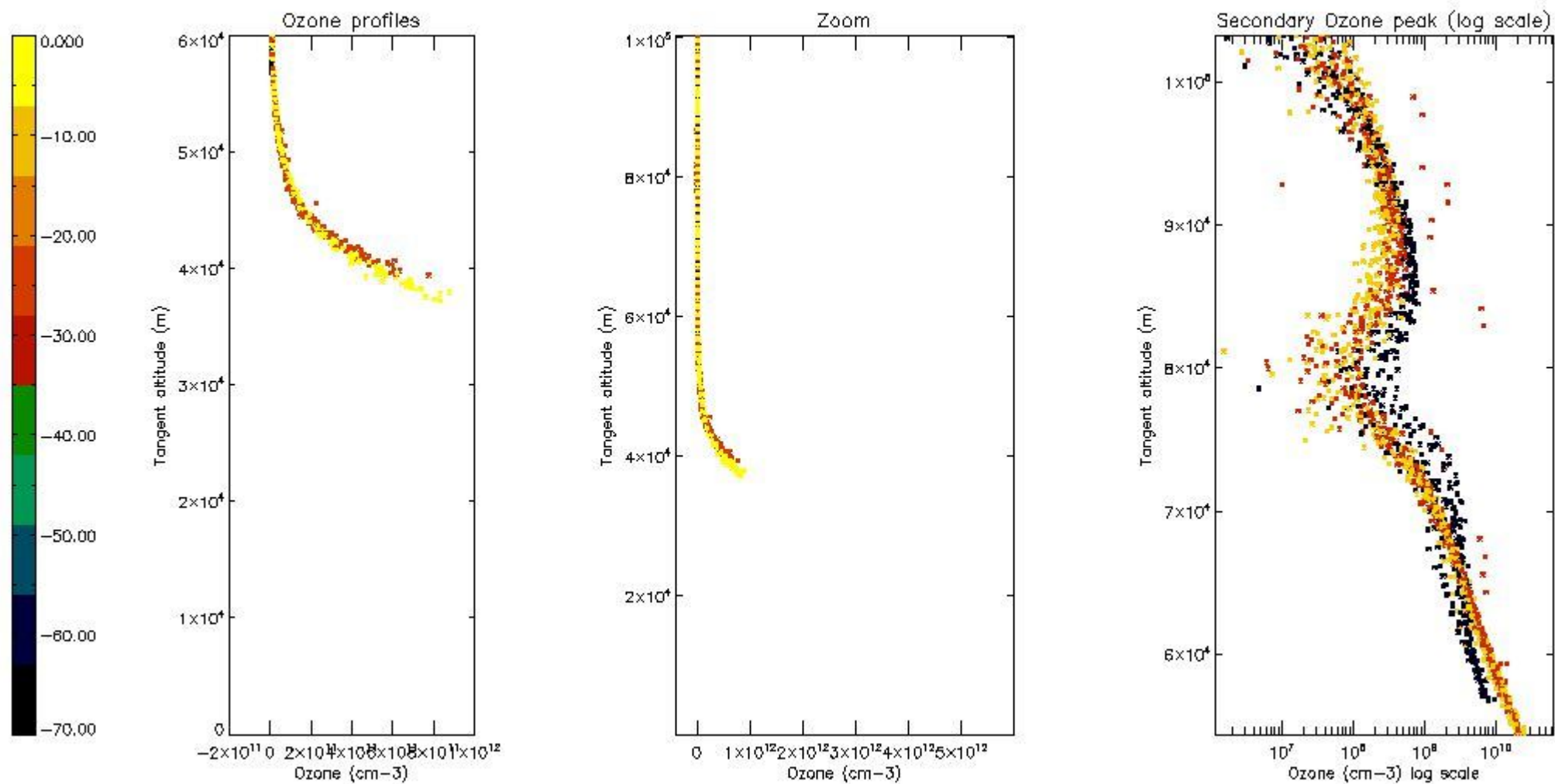
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	25
STD < 20	12

STD < 10	10
STD < 5	6

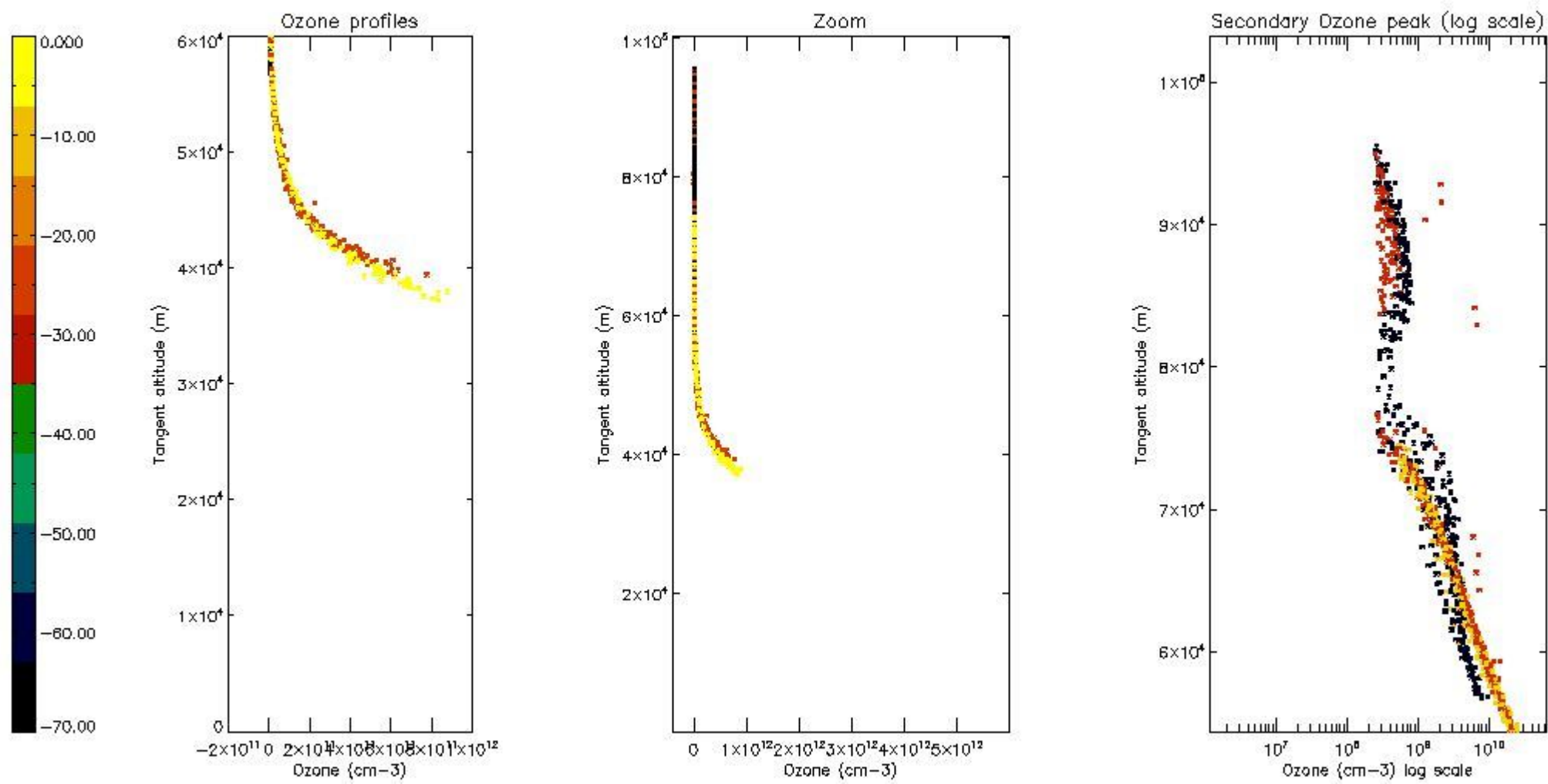
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



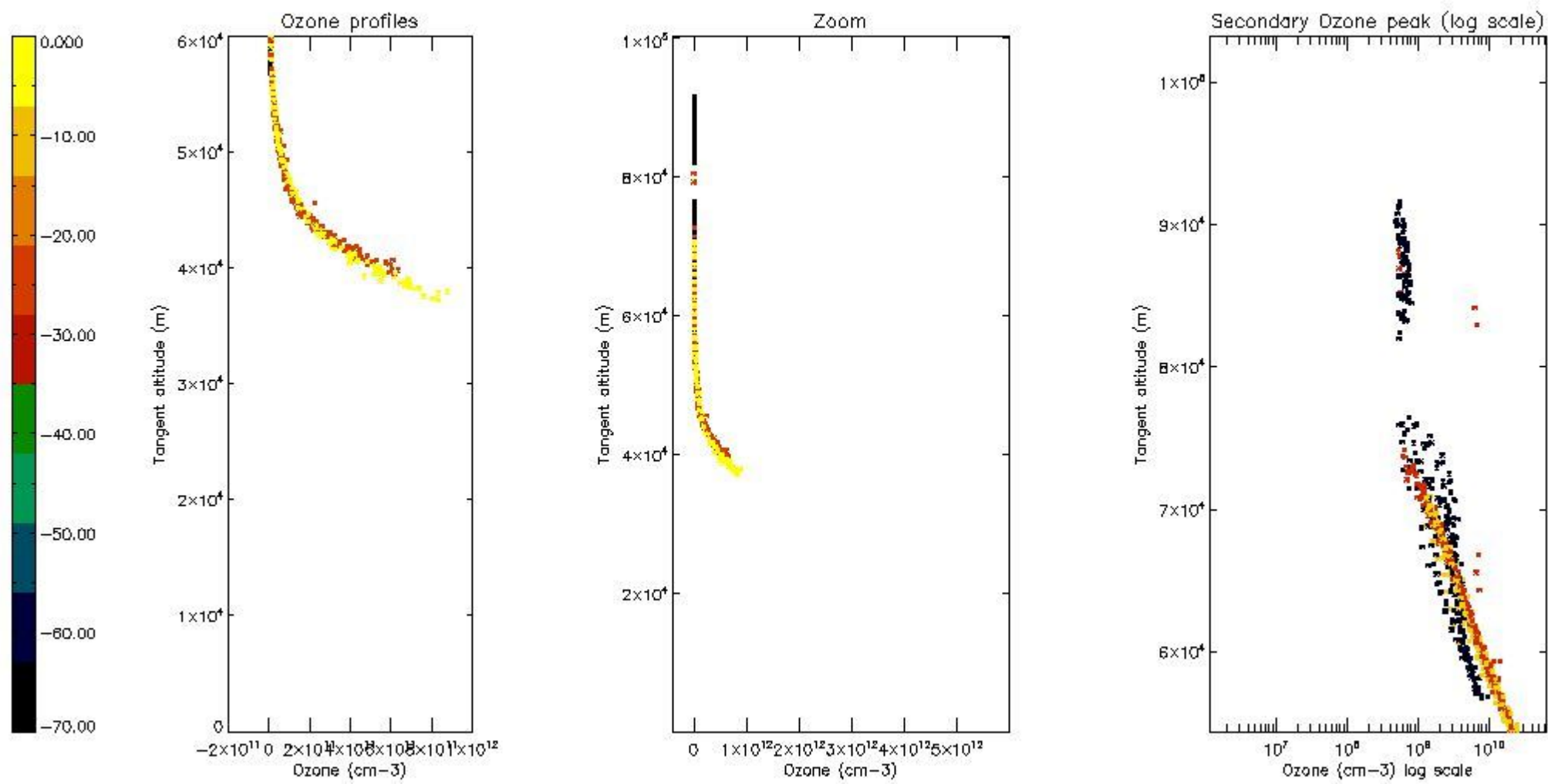
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



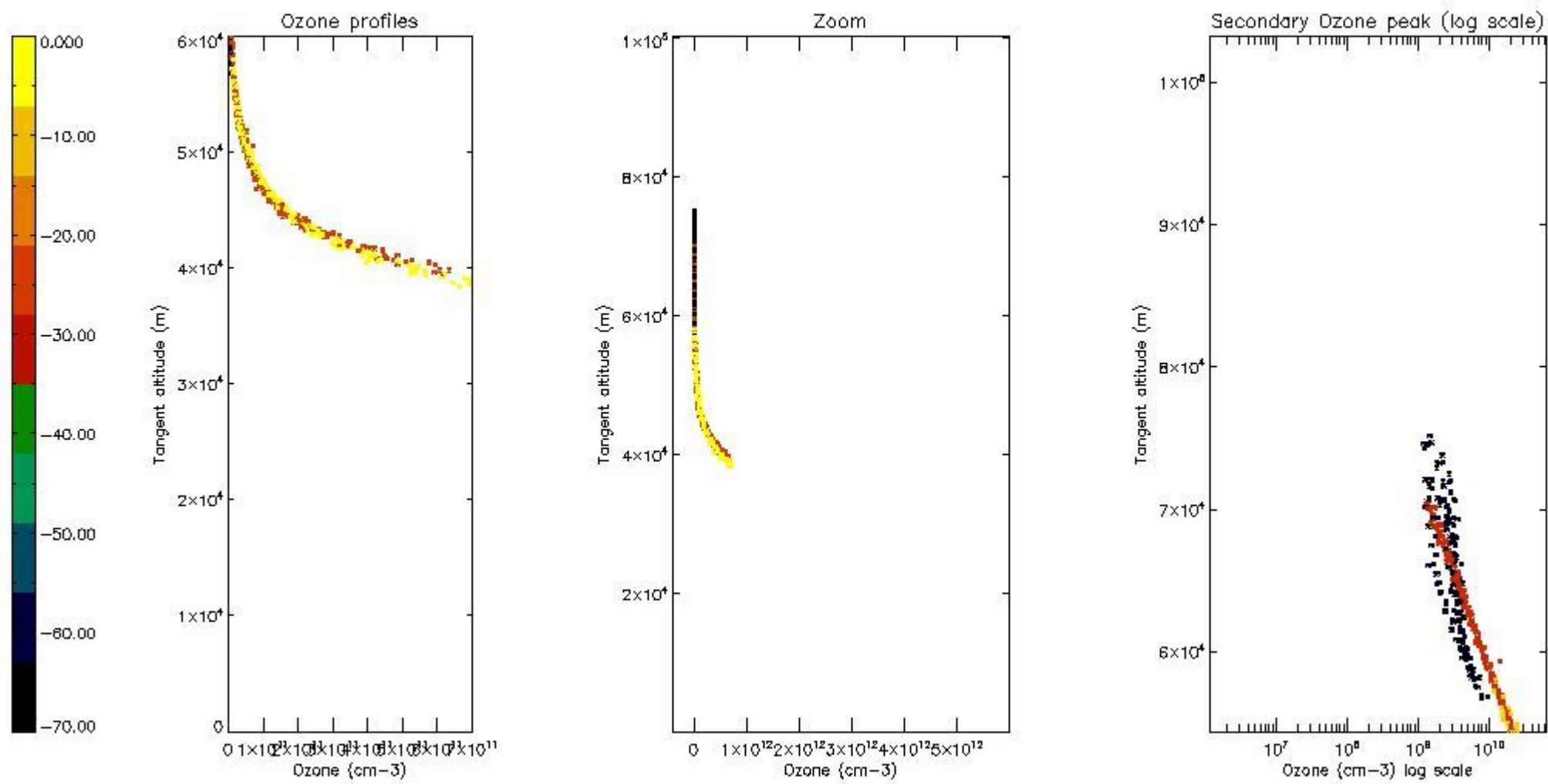
*5.4 Plot ozone profiles where STD < 10% (dark without errors)*

The colorbar represents the latitude.



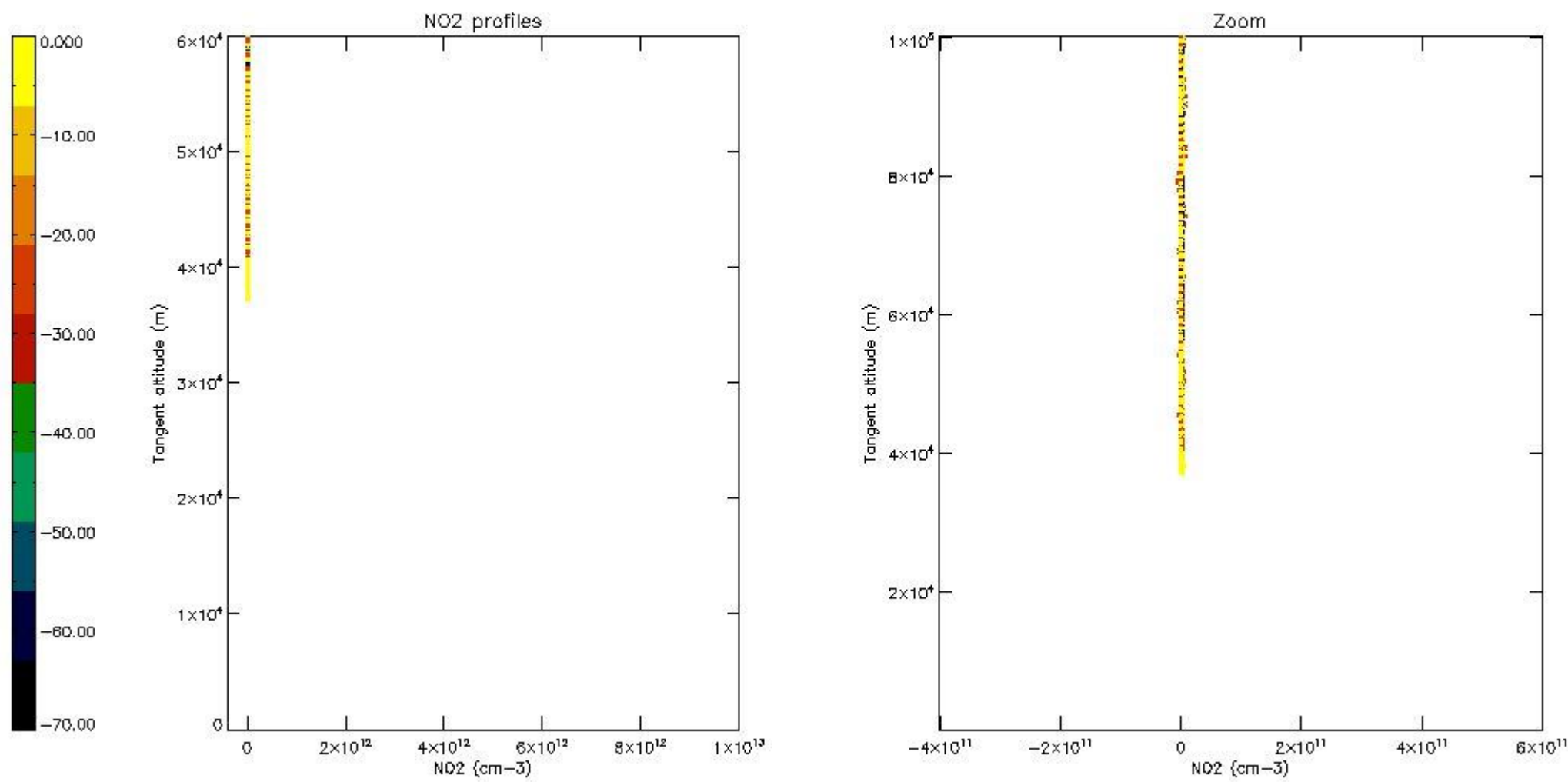
*5.5 Plot ozone profiles where  $STD < 5\%$  (dark without errors)*

The colorbar represents the latitude.



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

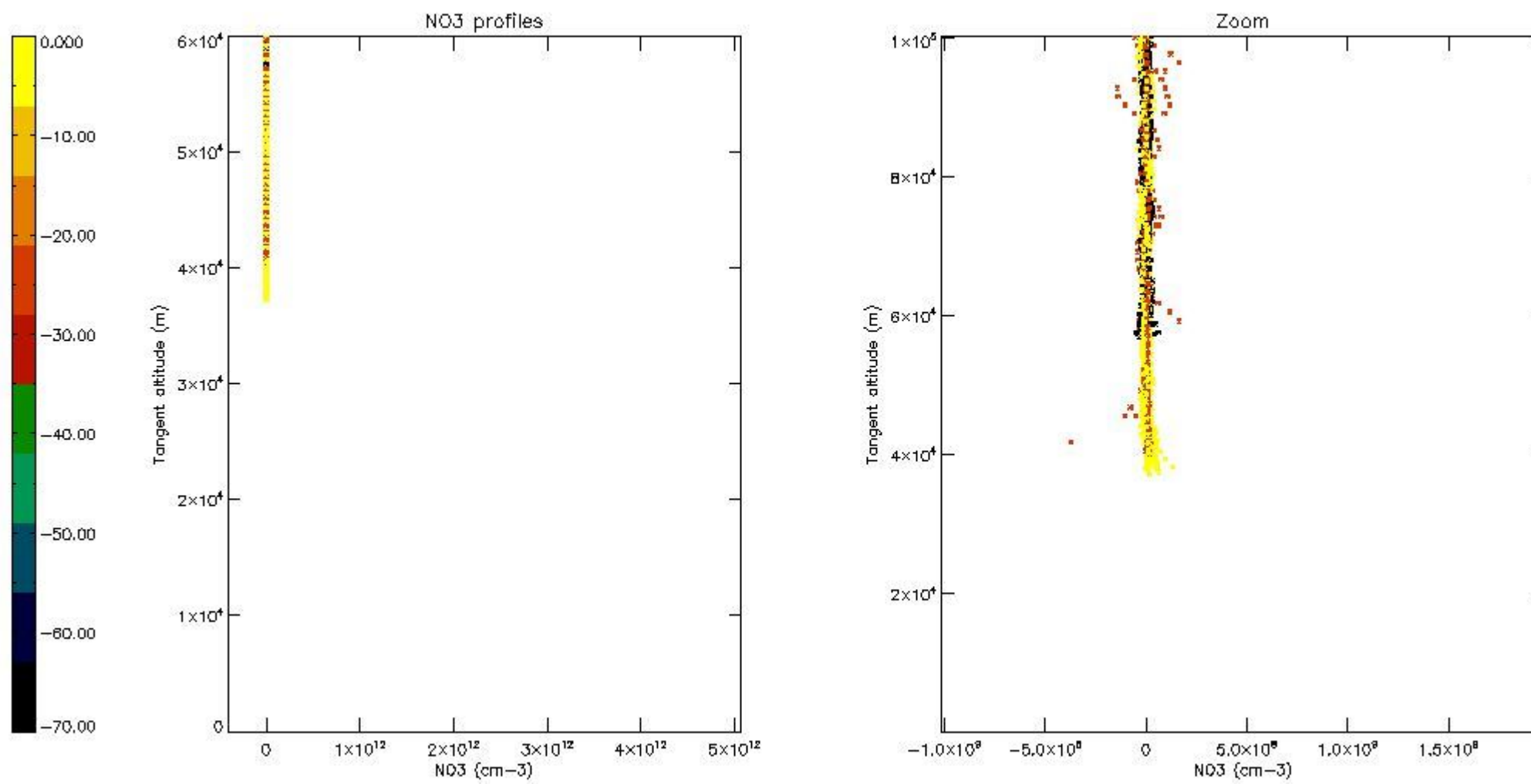
The colorbar represents the latitude.



*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-MAY-2009 00:05:23
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	27-MAY-2009 00:05:23
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	27-MAY-2009 00:05:23

# GOMOS Level 2 Daily Report

## SUMMARY

### [1. General Info](#)

### [2. Summary of processed GOM\\_NL\\_2P products](#)

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

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

#### [3.2 Plot of level 2 quality information per product \(world map\)](#)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

This report presents the daily analysis on parameters extracted from GOMOS level 2 data (GOM\_NL\_\_2P). It is intended to monitor some important parameters that will impact the quality of these products. A list of level 2 products (and content) that have arrived during the reporting day to the PCF is also given.

Item	Value
Time of report generation	26APR2013 09:47:46
Data source version	GOMOS/6.01
Start time of products	27-05-2009 (27MAY2009 00:00:00)
Stop time of products	28-05-2009 (28MAY2009 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	185
Nb of prods with errors	0

## 2. Summary of processed GOM\_NL\_\_2P products.

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20090527_000523_000000392079_00216_37845_8132.N1	27-MAY-2009 00:05:23	Dark	39.000	18	24Alp PsA	1.1660	9700.0	78	37845	No
2	GOM_NL__2PRFIN20090527_001103_000000422079_00217_37846_8138.N1	27-MAY-2009 00:11:03	Dark	42.000	172	Gam Gru	3.0030	13100.	84	37846	No
3	GOM_NL__2PRFIN20090527_002602_000000352079_00217_37846_8139.N1	27-MAY-2009 00:26:02	Straylight	34.500	178	lot1Sco	3.0220	6550.0	69	37846	No
4	GOM_NL__2PRFIN20090527_002721_000000342079_00217_37846_8140.N1	27-MAY-2009 00:27:21	Straylight	34.000	25	35Lam Sco	1.6200	28000.	68	37846	No
5	GOM_NL__2PRFIN20090527_003514_000000372079_00217_37846_8141.N1	27-MAY-2009 00:35:14	Bright	37.000	86	35Eta Oph	2.4300	10200.	74	37846	No
6	GOM_NL__2PRFIN20090527_003710_000000342079_00217_37846_8142.N1	27-MAY-2009 00:37:10	Bright	33.500	98	13Zet Oph	2.5710	30000.	67	37846	No
7	GOM_NL__2PRFIN20090527_003925_000000332079_00217_37846_8143.N1	27-MAY-2009 00:39:25	Bright	33.000	120	1Del Oph	2.7340	3200.0	66	37846	No
8	GOM_NL__2PRFIN20090527_004803_000000372079_00217_37846_8144.N1	27-MAY-2009 00:48:03	Bright	37.000	127	27Bet Her	2.7810	4700.0	74	37846	No
9	GOM_NL__2PRFIN20090527_005138_000000382079_00217_37846_8145.N1	27-MAY-2009 00:51:38	Bright	38.000	133	40Zet Her	2.8070	6000.0	76	37846	No
10	GOM_NL__2PRFIN20090527_005915_000000382079_00217_37846_8146.N1	27-MAY-2009 00:59:15	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	37846	No
11	GOM_NL__2PRFIN20090527_010958_000000342079_00217_37846_8147.N1	27-MAY-2009 01:09:58	Bright	33.500	89	5Alp Cep	2.4510	8000.0	67	37846	No
12	GOM_NL__2PRFIN20090527_012431_000000282079_00217_37846_8148.N1	27-MAY-2009 01:24:31	Tw_i_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37846	No
13	GOM_NL__2PRFIN20090527_012909_000000292079_00217_37846_8149.N1	27-MAY-2009 01:29:09	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37846	No
14	GOM_NL__2PRFIN20090527_014600_000000392079_00217_37846_8150.N1	27-MAY-2009 01:46:00	Dark	39.000	18	24Alp PsA	1.1660	9700.0	78	37846	No
15	GOM_NL__2PRFIN20090527_015140_000000422079_00218_37847_8146.N1	27-MAY-2009 01:51:40	Dark	42.000	172	Gam Gru	3.0030	13100.	84	37847	No
16	GOM_NL__2PRFIN20090527_020638_000000342079_00218_37847_8147.N1	27-MAY-2009 02:06:38	Straylight	34.000	178	lot1Sco	3.0220	6550.0	68	37847	No
17	GOM_NL__2PRFIN20090527_020758_000000342079_00218_37847_8148.N1	27-MAY-2009 02:07:58	Straylight	33.500	25	35Lam Sco	1.6200	28000.	67	37847	No
18	GOM_NL__2PRFIN20090527_021549_000000372079_00218_37847_8149.N1	27-MAY-2009 02:15:49	Bright	37.000	86	35Eta Oph	2.4300	10200.	74	37847	No
19	GOM_NL__2PRFIN20090527_021746_000000342079_00218_37847_8150.N1	27-MAY-2009 02:17:46	Bright	33.500	98	13Zet Oph	2.5710	30000.	67	37847	No
20	GOM_NL__2PRFIN20090527_022001_000000332079_00218_37847_8151.N1	27-MAY-2009 02:20:01	Bright	32.500	120	1Del Oph	2.7340	3200.0	65	37847	No
21	GOM_NL__2PRFIN20090527_022838_000000372079_00218_37847_8152.N1	27-MAY-2009 02:28:38	Bright	37.000	127	27Bet Her	2.7810	4700.0	74	37847	No
22	GOM_NL__2PRFIN20090527_023213_000000382079_00218_37847_8153.N1	27-MAY-2009 02:32:13	Bright	37.500	133	40Zet Her	2.8070	6000.0	75	37847	No
23	GOM_NL__2PRFIN20090527_023951_000000372079_00218_37847_8154.N1	27-MAY-2009 02:39:51	Bright	36.500	130	23Bet Dra	2.7990	5800.0	73	37847	No
24	GOM_NL__2PRFIN20090527_025034_000000332079_00218_37847_8155.N1	27-MAY-2009 02:50:34	Tw_i_and_stray	32.500	89	5Alp Cep	2.4510	8000.0	65	37847	No
25	GOM_NL__2PRFIN20090527_030507_000000282079_00218_37847_8156.N1	27-MAY-2009 03:05:07	Tw_i_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37847	No
26	GOM_NL__2PRFIN20090527_030946_000000292079_00218_37847_8157.N1	27-MAY-2009 03:09:46	Dark	28.500	140	88Gam Peg	2.8340	26000.	57	37847	No
27	GOM_NL__2PRFIN20090527_032638_000000392079_00218_37847_8158.N1	27-MAY-2009 03:26:38	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37847	No
28	GOM_NL__2PRFIN20090527_033217_000000422079_00219_37848_8174.N1	27-MAY-2009 03:32:17	Dark	42.000	172	Gam Gru	3.0030	13100.	84	37848	No
29	GOM_NL__2PRFIN20090527_034714_000000342079_00219_37848_8175.N1	27-MAY-2009 03:47:14	Straylight	34.000	178	lot1Sco	3.0220	6550.0	68	37848	No
30	GOM_NL__2PRFIN20090527_034834_000000342079_00219_37848_8176.N1	27-MAY-2009 03:48:34	Straylight	34.000	25	35Lam Sco	1.6200	28000.	68	37848	No
31	GOM_NL__2PRFIN20090527_035626_000000372079_00219_37848_8177.N1	27-MAY-2009 03:56:26	Bright	37.000	86	35Eta Oph	2.4300	10200.	74	37848	No
32	GOM_NL__2PRFIN20090527_035822_000000342079_00219_37848_8178.N1	27-MAY-2009 03:58:22	Bright	34.000	98	13Zet Oph	2.5710	30000.	68	37848	No
33	GOM_NL__2PRFIN20090527_040038_000000332079_00219_37848_8179.N1	27-MAY-2009 04:00:38	Bright	32.500	120	1Del Oph	2.7340	3200.0	65	37848	No
34	GOM_NL__2PRFIN20090527_040914_000000372079_00219_37848_8180.N1	27-MAY-2009 04:09:14	Bright	36.500	127	27Bet Her	2.7810	4700.0	73	37848	No
35	GOM_NL__2PRFIN20090527_041249_000000382079_00219_37848_8181.N1	27-MAY-2009 04:12:49	Bright	38.000	133	40Zet Her	2.8070	6000.0	76	37848	No
36	GOM_NL__2PRFIN20090527_042026_000000372079_00219_37848_8182.N1	27-MAY-2009 04:20:26	Bright	36.500	130	23Bet Dra	2.7990	5800.0	73	37848	No
37	GOM_NL__2PRFIN20090527_043110_000000332079_00219_37848_8183.N1	27-MAY-2009 04:31:10	Bright	33.000	89	5Alp Cep	2.4510	8000.0	66	37848	No
38	GOM_NL__2PRFIN20090527_044544_000000282079_00219_37848_8184.N1	27-MAY-2009 04:45:44	Tw_i_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37848	No
39	GOM_NL__2PRFIN20090527_045022_000000292079_00219_37848_8185.N1	27-MAY-2009 04:50:22	Dark	28.500	140	88Gam Peg	2.8340	26000.	57	37848	No
40	GOM_NL__2PRFIN20090527_050715_000000392079_00219_37848_8186.N1	27-MAY-2009 05:07:15	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37848	No
41	GOM_NL__2PRFIN20090527_051255_000000422079_00220_37849_8182.N1	27-MAY-2009 05:12:55	Dark	41.500	172	Gam Gru	3.0030	13100.	83	37849	No
42	GOM_NL__2PRFIN20090527_052751_000000352079_00220_37849_8183.N1	27-MAY-2009 05:27:51	Straylight	34.500	178	lot1Sco	3.0220	6550.0	69	37849	No

43	GOM_NL__2PRFIN20090527_052911_000000342079_00220_37849_8184.N1	27-MAY-2009 05:29:11	Straylight	34.000	25	35Lam Sco	1.6200	28000.	68	37849	No
44	GOM_NL__2PRFIN20090527_053701_000000382079_00220_37849_8185.N1	27-MAY-2009 05:37:01	Bright	37.500	86	35Eta Oph	2.4300	10200.	75	37849	No
45	GOM_NL__2PRFIN20090527_053858_000000342079_00220_37849_8186.N1	27-MAY-2009 05:38:58	Bright	33.500	98	13Zet Oph	2.5710	30000.	67	37849	No
46	GOM_NL__2PRFIN20090527_054113_000000332079_00220_37849_8187.N1	27-MAY-2009 05:41:13	Bright	32.500	120	1Del Oph	2.7340	3200.0	65	37849	No
47	GOM_NL__2PRFIN20090527_054949_000000372079_00220_37849_8188.N1	27-MAY-2009 05:49:49	Bright	37.000	127	27Bet Her	2.7810	4700.0	74	37849	No
48	GOM_NL__2PRFIN20090527_055325_000000382079_00220_37849_8189.N1	27-MAY-2009 05:53:25	Bright	37.500	133	40Zet Her	2.8070	6000.0	75	37849	No
49	GOM_NL__2PRFIN20090527_060101_000000372079_00220_37849_8190.N1	27-MAY-2009 06:01:01	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	37849	No
50	GOM_NL__2PRFIN20090527_061145_000000332079_00220_37849_8191.N1	27-MAY-2009 06:11:45	Twi_and_stray	32.500	89	5Alp Cep	2.4510	8000.0	65	37849	No
51	GOM_NL__2PRFIN20090527_062620_000000282079_00220_37849_8192.N1	27-MAY-2009 06:26:20	Twi_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37849	No
52	GOM_NL__2PRFIN20090527_063059_000000292079_00220_37849_8193.N1	27-MAY-2009 06:30:59	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37849	No
53	GOM_NL__2PRFIN20090527_064752_000000392079_00220_37849_8194.N1	27-MAY-2009 06:47:52	Dark	39.000	18	24Alp PsA	1.1660	9700.0	78	37849	No
54	GOM_NL__2PRFIN20090527_065332_000000422079_00221_37850_8191.N1	27-MAY-2009 06:53:32	Dark	42.000	172	Gam Gru	3.0030	13100.	84	37850	No
55	GOM_NL__2PRFIN20090527_070828_000000342079_00221_37850_8192.N1	27-MAY-2009 07:08:28	Straylight	34.000	178	lot1Sco	3.0220	6550.0	68	37850	No
56	GOM_NL__2PRFIN20090527_070947_000000342079_00221_37850_8193.N1	27-MAY-2009 07:09:47	Straylight	34.000	25	35Lam Sco	1.6200	28000.	68	37850	No
57	GOM_NL__2PRFIN20090527_071738_000000372079_00221_37850_8194.N1	27-MAY-2009 07:17:38	Bright	37.000	86	35Eta Oph	2.4300	10200.	74	37850	No
58	GOM_NL__2PRFIN20090527_071934_000000342079_00221_37850_8195.N1	27-MAY-2009 07:19:34	Bright	33.500	98	13Zet Oph	2.5710	30000.	67	37850	No
59	GOM_NL__2PRFIN20090527_072149_000000332079_00221_37850_8196.N1	27-MAY-2009 07:21:49	Bright	32.500	120	1Del Oph	2.7340	3200.0	65	37850	No
60	GOM_NL__2PRFIN20090527_073025_000000372079_00221_37850_8197.N1	27-MAY-2009 07:30:25	Bright	36.500	127	27Bet Her	2.7810	4700.0	73	37850	No
61	GOM_NL__2PRFIN20090527_073400_000000382079_00221_37850_8198.N1	27-MAY-2009 07:34:00	Bright	37.500	133	40Zet Her	2.8070	6000.0	75	37850	No
62	GOM_NL__2PRFIN20090527_074136_000000382079_00221_37850_8199.N1	27-MAY-2009 07:41:36	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	37850	No
63	GOM_NL__2PRFIN20090527_075220_000000342079_00221_37850_8200.N1	27-MAY-2009 07:52:20	Bright	33.500	89	5Alp Cep	2.4510	8000.0	67	37850	No
64	GOM_NL__2PRFIN20090527_080656_000000292079_00221_37850_8201.N1	27-MAY-2009 08:06:56	Twi_and_stray	28.500	58	21Alp And	2.0730	11000.	57	37850	No
65	GOM_NL__2PRFIN20090527_081134_000000302079_00221_37850_8202.N1	27-MAY-2009 08:11:34	Dark	29.500	140	88Gam Peg	2.8340	26000.	59	37850	No
66	GOM_NL__2PRFIN20090527_082828_000000392079_00221_37850_8203.N1	27-MAY-2009 08:28:28	Dark	39.000	18	24Alp PsA	1.1660	9700.0	78	37850	No
67	GOM_NL__2PRFIN20090527_083409_000000422079_00222_37851_8229.N1	27-MAY-2009 08:34:09	Dark	41.500	172	Gam Gru	3.0030	13100.	83	37851	No
68	GOM_NL__2PRFIN20090527_084904_000000352079_00222_37851_8230.N1	27-MAY-2009 08:49:04	Straylight	34.500	178	lot1Sco	3.0220	6550.0	69	37851	No
69	GOM_NL__2PRFIN20090527_085024_000000342079_00222_37851_8231.N1	27-MAY-2009 08:50:24	Straylight	34.000	25	35Lam Sco	1.6200	28000.	68	37851	No
70	GOM_NL__2PRFIN20090527_085814_000000372079_00222_37851_8232.N1	27-MAY-2009 08:58:14	Bright	37.000	86	35Eta Oph	2.4300	10200.	74	37851	No
71	GOM_NL__2PRFIN20090527_090010_000000332079_00222_37851_8233.N1	27-MAY-2009 09:00:10	Bright	33.000	98	13Zet Oph	2.5710	30000.	66	37851	No
72	GOM_NL__2PRFIN20090527_090225_000000322079_00222_37851_8234.N1	27-MAY-2009 09:02:25	Bright	32.000	120	1Del Oph	2.7340	3200.0	64	37851	No
73	GOM_NL__2PRFIN20090527_091100_000000372079_00222_37851_8235.N1	27-MAY-2009 09:11:00	Bright	36.500	127	27Bet Her	2.7810	4700.0	73	37851	No
74	GOM_NL__2PRFIN20090527_091435_000000382079_00222_37851_8236.N1	27-MAY-2009 09:14:35	Bright	37.500	133	40Zet Her	2.8070	6000.0	75	37851	No
75	GOM_NL__2PRFIN20090527_092211_000000382079_00222_37851_8237.N1	27-MAY-2009 09:22:11	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	37851	No
76	GOM_NL__2PRFIN20090527_093256_000000332079_00222_37851_8238.N1	27-MAY-2009 09:32:56	Twi_and_stray	33.000	89	5Alp Cep	2.4510	8000.0	66	37851	No
77	GOM_NL__2PRFIN20090527_094732_000000282079_00222_37851_8239.N1	27-MAY-2009 09:47:32	Twi_and_stray	28.000	58	21Alp And	2.0730	11000.	56	37851	No
78	GOM_NL__2PRFIN20090527_095211_000000292079_00222_37851_8240.N1	27-MAY-2009 09:52:11	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37851	No
79	GOM_NL__2PRFIN20090527_100905_000000392079_00222_37851_8241.N1	27-MAY-2009 10:09:05	Dark	39.000	18	24Alp PsA	1.1660	9700.0	78	37851	No
80	GOM_NL__2PRFIN20090527_101446_000000422079_00223_37852_8243.N1	27-MAY-2009 10:14:46	Dark	42.000	172	Gam Gru	3.0030	13100.	84	37852	No
81	GOM_NL__2PRFIN20090527_102941_000000342079_00223_37852_8244.N1	27-MAY-2009 10:29:41	Straylight	34.000	178	lot1Sco	3.0220	6550.0	68	37852	No
82	GOM_NL__2PRFIN20090527_103100_000000342079_00223_37852_8245.N1	27-MAY-2009 10:31:00	Straylight	34.000	25	35Lam Sco	1.6200	28000.	68	37852	No
83	GOM_NL__2PRFIN20090527_103849_000000382079_00223_37852_8246.N1	27-MAY-2009 10:38:49	Bright	37.500	86	35Eta Oph	2.4300	10200.	75	37852	No
84	GOM_NL__2PRFIN20090527_104046_000000342079_00223_37852_8247.N1	27-MAY-2009 10:40:46	Bright	33.500	98	13Zet Oph	2.5710	30000.	67	37852	No
85	GOM_NL__2PRFIN20090527_104301_000000322079_00223_37852_8248.N1	27-MAY-2009 10:43:01	Bright	32.000	120	1Del Oph	2.7340	3200.0	64	37852	No
86	GOM_NL__2PRFIN20090527_105135_000000372079_00223_37852_8249.N1	27-MAY-2009 10:51:35	Bright	36.500	127	27Bet Her	2.7810	4700.0	73	37852	No
87	GOM_NL__2PRFIN20090527_105510_000000382079_00223_37852_8250.N1	27-MAY-2009 10:55:10	Bright	37.500	133	40Zet Her	2.8070	6000.0	75	37852	No
88	GOM_NL__2PRFIN20090527_110246_000000372079_00223_37852_8251.N1	27-MAY-2009 11:02:46	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	37852	No
89	GOM_NL__2PRFIN20090527_111331_000000342079_00223_37852_8252.N1	27-MAY-2009 11:13:31	Bright	33.500	89	5Alp Cep	2.4510	8000.0	67	37852	No
90	GOM_NL__2PRFIN20090527_112808_000000292079_00223_37852_8253.N1	27-MAY-2009 11:28:08	Twi_and_stray	28.500	58	21Alp And	2.0730	11000.	57	37852	No
91	GOM_NL__2PRFIN20090527_113247_000000292079_00223_37852_8254.N1	27-MAY-2009 11:32:47	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37852	No
92	GOM_NL__2PRFIN20090527_114943_000000392079_00223_37852_8255.N1	27-MAY-2009 11:49:43	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37852	No
93	GOM_NL__2PRFIN20090527_115523_000000422079_00224_37853_8257.N1	27-MAY-2009 11:55:23	Dark	42.000	172	Gam Gru	3.0030	13100.	84	37853	No
94	GOM_NL__2PRFIN20090527_121017_000000342079_00224_37853_8258.N1	27-MAY-2009 12:10:17	Straylight	34.000	178	lot1Sco	3.0220	6550.0	68	37853	No
95	GOM_NL__2PRFIN20090527_121137_000000342079_00224_37853_8259.N1	27-MAY-2009 12:11:37	Straylight	33.500	25	35Lam Sco	1.6200	28000.	67	37853	No
96	GOM_NL__2PRFIN20090527_121926_000000372079_00224_37853_8260.N1	27-MAY-2009 12:19:26	Bright	36.500	86	35Eta Oph	2.4300	10200.	73	37853	No
97	GOM_NL__2PRFIN20090527_122122_000000342079_00224_37853_8261.N1	27-MAY-2009 12:21:22	Bright	33.500	98	13Zet Oph	2.5710	30000.	67	37853	No
98	GOM_NL__2PRFIN20090527_122337_000000322079_00224_37853_8262.N1	27-MAY-2009 12:23:37	Bright	32.000	120	1Del Oph	2.7340	3200.0	64	37853	No
99	GOM_NL__2PRFIN20090527_123211_000000372079_00224_37853_8263.N1	27-MAY-2009 12:32:11	Bright	36.500	127	27Bet Her	2.7810	4700.0	73	37853	No
100	GOM_NL__2PRFIN20090527_123545_000000372079_00224_37853_8264.N1	27-MAY-2009 12:35:45	Bright	37.000	133	40Zet Her	2.8070	6000.0	74	37853	No
101	GOM_NL__2PRFIN20090527_124322_000000372079_00224_37853_8265.N1	27-MAY-2009 12:43:22	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	37853	No

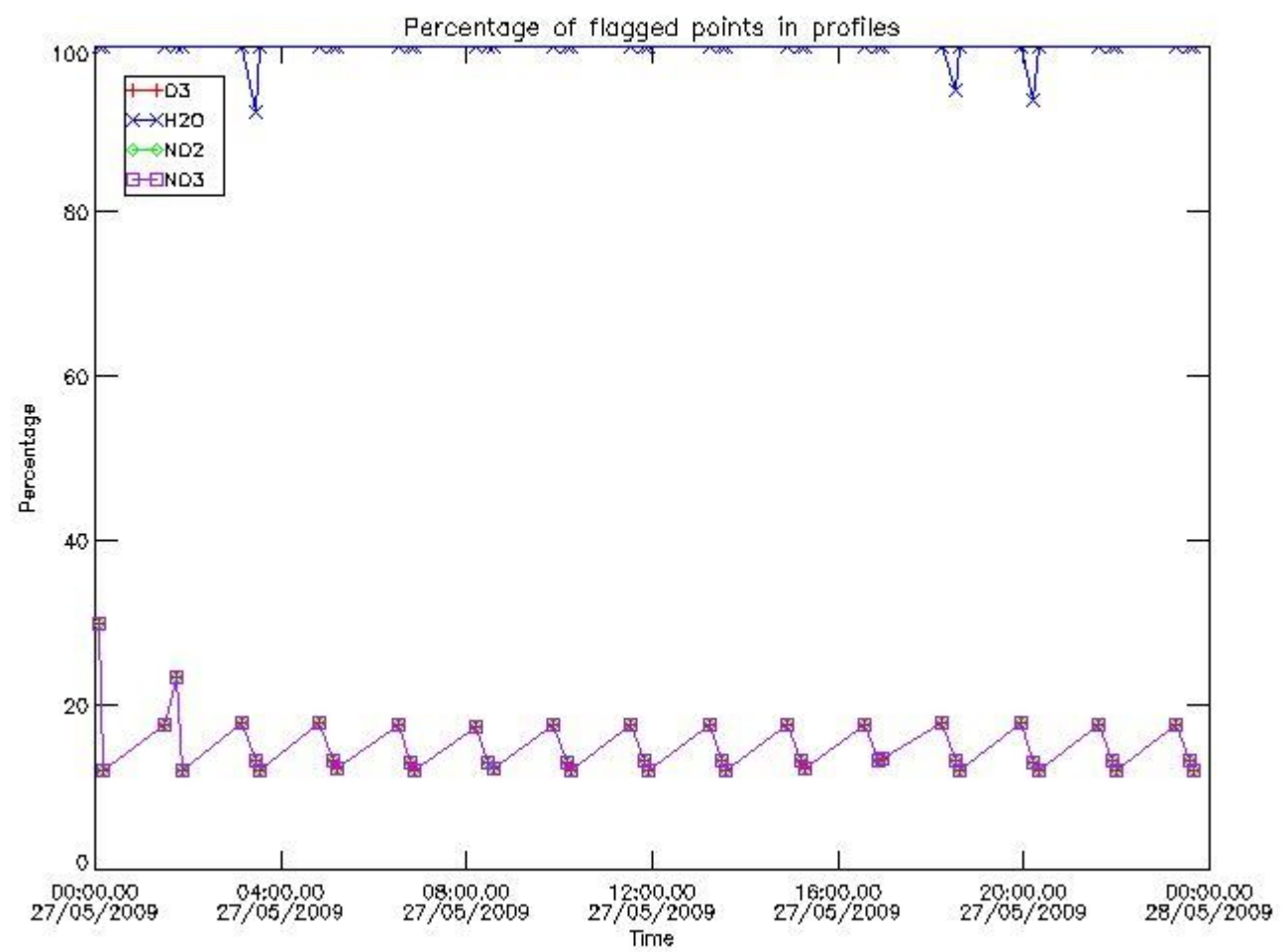
102	GOM_NL__2PRFIN20090527_130844_000000292079_00224_37853_8266.N1	27-MAY-2009 13:08:44	Twilight	28.500	58	21Alp And	2.0730	11000.	57	37853	No
103	GOM_NL__2PRFIN20090527_131324_000000292079_00224_37853_8267.N1	27-MAY-2009 13:13:24	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37853	No
104	GOM_NL__2PRFIN20090527_133020_000000392079_00224_37853_8268.N1	27-MAY-2009 13:30:20	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37853	No
105	GOM_NL__2PRFIN20090527_133600_000000422079_00225_37854_8271.N1	27-MAY-2009 13:36:00	Dark	42.000	172	Gam Gru	3.0030	13100.	84	37854	No
106	GOM_NL__2PRFIN20090527_135053_000000342079_00225_37854_8272.N1	27-MAY-2009 13:50:53	Straylight	34.000	178	lot1Sco	3.0220	6550.0	68	37854	No
107	GOM_NL__2PRFIN20090527_135213_000000332079_00225_37854_8273.N1	27-MAY-2009 13:52:13	Straylight	33.000	25	35Lam Sco	1.6200	28000.	66	37854	No
108	GOM_NL__2PRFIN20090527_140002_000000372079_00225_37854_8274.N1	27-MAY-2009 14:00:02	Bright	36.500	86	35Eta Oph	2.4300	10200.	73	37854	No
109	GOM_NL__2PRFIN20090527_140158_000000342079_00225_37854_8275.N1	27-MAY-2009 14:01:58	Bright	33.500	98	13Zet Oph	2.5710	30000.	67	37854	No
110	GOM_NL__2PRFIN20090527_140413_000000322079_00225_37854_8276.N1	27-MAY-2009 14:04:13	Bright	32.000	120	1Del Oph	2.7340	3200.0	64	37854	No
111	GOM_NL__2PRFIN20090527_141246_000000362079_00225_37854_8277.N1	27-MAY-2009 14:12:46	Bright	36.000	127	27Bet Her	2.7810	4700.0	72	37854	No
112	GOM_NL__2PRFIN20090527_141620_000000372079_00225_37854_8278.N1	27-MAY-2009 14:16:20	Bright	37.000	133	40Zet Her	2.8070	6000.0	74	37854	No
113	GOM_NL__2PRFIN20090527_142357_000000372079_00225_37854_8279.N1	27-MAY-2009 14:23:57	Bright	36.500	130	23Bet Dra	2.7990	5800.0	73	37854	No
114	GOM_NL__2PRFIN20090527_143442_000000332079_00225_37854_8280.N1	27-MAY-2009 14:34:42	Twilight	33.000	89	5Alp Cep	2.4510	8000.0	66	37854	No
115	GOM_NL__2PRFIN20090527_144920_000000282079_00225_37854_8281.N1	27-MAY-2009 14:49:20	Twilight	28.000	58	21Alp And	2.0730	11000.	56	37854	No
116	GOM_NL__2PRFIN20090527_145400_000000292079_00225_37854_8282.N1	27-MAY-2009 14:54:00	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37854	No
117	GOM_NL__2PRFIN20090527_151057_000000392079_00225_37854_8283.N1	27-MAY-2009 15:10:57	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37854	No
118	GOM_NL__2PRFIN20090527_151638_000000422079_00226_37855_8285.N1	27-MAY-2009 15:16:38	Dark	41.500	172	Gam Gru	3.0030	13100.	83	37855	No
119	GOM_NL__2PRFIN20090527_153130_000000342079_00226_37855_8286.N1	27-MAY-2009 15:31:30	Straylight	33.500	178	lot1Sco	3.0220	6550.0	67	37855	No
120	GOM_NL__2PRFIN20090527_153249_000000332079_00226_37855_8287.N1	27-MAY-2009 15:32:49	Straylight	33.000	25	35Lam Sco	1.6200	28000.	66	37855	No
121	GOM_NL__2PRFIN20090527_154038_000000362079_00226_37855_8288.N1	27-MAY-2009 15:40:38	Bright	36.000	86	35Eta Oph	2.4300	10200.	72	37855	No
122	GOM_NL__2PRFIN20090527_154234_000000332079_00226_37855_8289.N1	27-MAY-2009 15:42:34	Bright	33.000	98	13Zet Oph	2.5710	30000.	66	37855	No
123	GOM_NL__2PRFIN20090527_154449_000000322079_00226_37855_8290.N1	27-MAY-2009 15:44:49	Bright	32.000	120	1Del Oph	2.7340	3200.0	64	37855	No
124	GOM_NL__2PRFIN20090527_155322_000000362079_00226_37855_8291.N1	27-MAY-2009 15:53:22	Bright	36.000	127	27Bet Her	2.7810	4700.0	72	37855	No
125	GOM_NL__2PRFIN20090527_155656_000000372079_00226_37855_8292.N1	27-MAY-2009 15:56:56	Bright	37.000	133	40Zet Her	2.8070	6000.0	74	37855	No
126	GOM_NL__2PRFIN20090527_160432_000000372079_00226_37855_8293.N1	27-MAY-2009 16:04:32	Bright	36.500	130	23Bet Dra	2.7990	5800.0	73	37855	No
127	GOM_NL__2PRFIN20090527_161517_000000332079_00226_37855_8294.N1	27-MAY-2009 16:15:17	Twilight	33.000	89	5Alp Cep	2.4510	8000.0	66	37855	No
128	GOM_NL__2PRFIN20090527_162957_000000282079_00226_37855_8295.N1	27-MAY-2009 16:29:57	Twilight	28.000	58	21Alp And	2.0730	11000.	56	37855	No
129	GOM_NL__2PRFIN20090527_163437_000000292079_00226_37855_8296.N1	27-MAY-2009 16:34:37	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37855	No
130	GOM_NL__2PRFIN20090527_165134_000000392079_00226_37855_8297.N1	27-MAY-2009 16:51:34	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37855	No
131	GOM_NL__2PRFIN20090527_165715_000000422079_00227_37856_8301.N1	27-MAY-2009 16:57:15	Dark	41.500	172	Gam Gru	3.0030	13100.	83	37856	No
132	GOM_NL__2PRFIN20090527_171207_000000342079_00227_37856_8302.N1	27-MAY-2009 17:12:07	Straylight	34.000	178	lot1Sco	3.0220	6550.0	68	37856	No
133	GOM_NL__2PRFIN20090527_171325_000000342079_00227_37856_8303.N1	27-MAY-2009 17:13:25	Straylight	34.000	25	35Lam Sco	1.6200	28000.	68	37856	No
134	GOM_NL__2PRFIN20090527_172114_000000372079_00227_37856_8304.N1	27-MAY-2009 17:21:14	Bright	36.500	86	35Eta Oph	2.4300	10200.	73	37856	No
135	GOM_NL__2PRFIN20090527_172310_000000332079_00227_37856_8305.N1	27-MAY-2009 17:23:10	Bright	33.000	98	13Zet Oph	2.5710	30000.	66	37856	No
136	GOM_NL__2PRFIN20090527_172524_000000322079_00227_37856_8306.N1	27-MAY-2009 17:25:24	Bright	32.000	120	1Del Oph	2.7340	3200.0	64	37856	No
137	GOM_NL__2PRFIN20090527_173357_000000372079_00227_37856_8307.N1	27-MAY-2009 17:33:57	Bright	36.500	127	27Bet Her	2.7810	4700.0	73	37856	No
138	GOM_NL__2PRFIN20090527_173731_000000382079_00227_37856_8308.N1	27-MAY-2009 17:37:31	Bright	37.500	133	40Zet Her	2.8070	6000.0	75	37856	No
139	GOM_NL__2PRFIN20090527_174507_000000372079_00227_37856_8309.N1	27-MAY-2009 17:45:07	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	37856	No
140	GOM_NL__2PRFIN20090527_175552_000000332079_00227_37856_8310.N1	27-MAY-2009 17:55:52	Twilight	33.000	89	5Alp Cep	2.4510	8000.0	66	37856	No
141	GOM_NL__2PRFIN20090527_181033_000000282079_00227_37856_8311.N1	27-MAY-2009 18:10:33	Twilight	28.000	58	21Alp And	2.0730	11000.	56	37856	No
142	GOM_NL__2PRFIN20090527_181513_000000292079_00227_37856_8312.N1	27-MAY-2009 18:15:13	Dark	28.500	140	88Gam Peg	2.8340	26000.	57	37856	No
143	GOM_NL__2PRFIN20090527_183211_000000392079_00227_37856_8313.N1	27-MAY-2009 18:32:11	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37856	No
144	GOM_NL__2PRFIN20090527_183752_000000432079_00228_37857_8319.N1	27-MAY-2009 18:37:52	Dark	42.500	172	Gam Gru	3.0030	13100.	85	37857	No
145	GOM_NL__2PRFIN20090527_185243_000000342079_00228_37857_8320.N1	27-MAY-2009 18:52:43	Straylight	33.500	178	lot1Sco	3.0220	6550.0	67	37857	No
146	GOM_NL__2PRFIN20090527_185402_000000332079_00228_37857_8321.N1	27-MAY-2009 18:54:02	Straylight	33.000	25	35Lam Sco	1.6200	28000.	66	37857	No
147	GOM_NL__2PRFIN20090527_190150_000000362079_00228_37857_8322.N1	27-MAY-2009 19:01:50	Bright	36.000	86	35Eta Oph	2.4300	10200.	72	37857	No
148	GOM_NL__2PRFIN20090527_190346_000000332079_00228_37857_8323.N1	27-MAY-2009 19:03:46	Bright	32.500	98	13Zet Oph	2.5710	30000.	65	37857	No
149	GOM_NL__2PRFIN20090527_190601_000000312079_00228_37857_8324.N1	27-MAY-2009 19:06:01	Bright	31.000	120	1Del Oph	2.7340	3200.0	62	37857	No
150	GOM_NL__2PRFIN20090527_191433_000000362079_00228_37857_8325.N1	27-MAY-2009 19:14:33	Bright	35.500	127	27Bet Her	2.7810	4700.0	71	37857	No
151	GOM_NL__2PRFIN20090527_191807_000000372079_00228_37857_8326.N1	27-MAY-2009 19:18:07	Bright	36.500	133	40Zet Her	2.8070	6000.0	73	37857	No
152	GOM_NL__2PRFIN20090527_192543_000000362079_00228_37857_8327.N1	27-MAY-2009 19:25:43	Bright	36.000	130	23Bet Dra	2.7990	5800.0	72	37857	No
153	GOM_NL__2PRFIN20090527_193628_000000332079_00228_37857_8328.N1	27-MAY-2009 19:36:28	Twilight	33.000	89	5Alp Cep	2.4510	8000.0	66	37857	No
154	GOM_NL__2PRFIN20090527_195109_000000282079_00228_37857_8329.N1	27-MAY-2009 19:51:09	Twilight	28.000	58	21Alp And	2.0730	11000.	56	37857	No
155	GOM_NL__2PRFIN20090527_195549_000000292079_00228_37857_8330.N1	27-MAY-2009 19:55:49	Dark	28.500	140	88Gam Peg	2.8340	26000.	57	37857	No
156	GOM_NL__2PRFIN20090527_201248_000000392079_00228_37857_8331.N1	27-MAY-2009 20:12:48	Dark	39.000	18	24Alp PsA	1.1660	9700.0	78	37857	No
157	GOM_NL__2PRFIN20090527_201829_000000422079_00229_37858_8355.N1	27-MAY-2009 20:18:29	Dark	41.500	172	Gam Gru	3.0030	13100.	83	37858	No
158	GOM_NL__2PRFIN20090527_203319_000000342079_00229_37858_8356.N1	27-MAY-2009 20:33:19	Straylight	33.500	178	lot1Sco	3.0220	6550.0	67	37858	No
159	GOM_NL__2PRFIN20090527_203439_000000342079_00229_37858_8357.N1	27-MAY-2009 20:34:39	Straylight	33.500	25	35Lam Sco	1.6200	28000.	67	37858	No
160	GOM_NL__2PRFIN20090527_204226_000000362079_00229_37858_8358.N1	27-MAY-2009 20:42:26	Bright	36.000	86	35Eta Oph	2.4300	10200.	72	37858	No

161	GOM_NL__2PRFIN20090527_204422_000000332079_00229_37858_8359.N1	27-MAY-2009 20:44:22	Bright	33.000	98	13Zet Oph	2.5710	30000.	66	37858	No
162	GOM_NL__2PRFIN20090527_204637_000000322079_00229_37858_8360.N1	27-MAY-2009 20:46:37	Bright	31.500	120	1Del Oph	2.7340	3200.0	63	37858	No
163	GOM_NL__2PRFIN20090527_205508_000000362079_00229_37858_8361.N1	27-MAY-2009 20:55:08	Bright	36.000	127	27Bet Her	2.7810	4700.0	72	37858	No
164	GOM_NL__2PRFIN20090527_205842_000000372079_00229_37858_8362.N1	27-MAY-2009 20:58:42	Bright	37.000	133	40Zet Her	2.8070	6000.0	74	37858	No
165	GOM_NL__2PRFIN20090527_210618_000000362079_00229_37858_8363.N1	27-MAY-2009 21:06:18	Bright	36.000	130	23Bet Dra	2.7990	5800.0	72	37858	No
166	GOM_NL__2PRFIN20090527_211703_000000332079_00229_37858_8364.N1	27-MAY-2009 21:17:03	Twilight	33.000	89	5Alp Cep	2.4510	8000.0	66	37858	No
167	GOM_NL__2PRFIN20090527_213145_000000282079_00229_37858_8365.N1	27-MAY-2009 21:31:45	Twilight	28.000	58	21Alp And	2.0730	11000.	56	37858	No
168	GOM_NL__2PRFIN20090527_213626_000000292079_00229_37858_8366.N1	27-MAY-2009 21:36:26	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37858	No
169	GOM_NL__2PRFIN20090527_215325_000000392079_00229_37858_8367.N1	27-MAY-2009 21:53:25	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37858	No
170	GOM_NL__2PRFIN20090527_215906_000000422079_00230_37859_8370.N1	27-MAY-2009 21:59:06	Dark	42.000	172	Gam Gru	3.0030	13100.	84	37859	No
171	GOM_NL__2PRFIN20090527_221356_000000342079_00230_37859_8371.N1	27-MAY-2009 22:13:56	Straylight	33.500	178	1ot1Sco	3.0220	6550.0	67	37859	No
172	GOM_NL__2PRFIN20090527_221515_000000332079_00230_37859_8372.N1	27-MAY-2009 22:15:15	Straylight	33.000	25	35Lam Sco	1.6200	28000.	66	37859	No
173	GOM_NL__2PRFIN20090527_222302_000000372079_00230_37859_8373.N1	27-MAY-2009 22:23:02	Bright	36.500	86	35Eta Oph	2.4300	10200.	73	37859	No
174	GOM_NL__2PRFIN20090527_222458_000000332079_00230_37859_8374.N1	27-MAY-2009 22:24:58	Bright	33.000	98	13Zet Oph	2.5710	30000.	66	37859	No
175	GOM_NL__2PRFIN20090527_222712_000000322079_00230_37859_8375.N1	27-MAY-2009 22:27:12	Bright	31.500	120	1Del Oph	2.7340	3200.0	63	37859	No
176	GOM_NL__2PRFIN20090527_223543_000000362079_00230_37859_8376.N1	27-MAY-2009 22:35:43	Bright	36.000	127	27Bet Her	2.7810	4700.0	72	37859	No
177	GOM_NL__2PRFIN20090527_223917_000000372079_00230_37859_8377.N1	27-MAY-2009 22:39:17	Bright	37.000	133	40Zet Her	2.8070	6000.0	74	37859	No
178	GOM_NL__2PRFIN20090527_224653_000000362079_00230_37859_8378.N1	27-MAY-2009 22:46:53	Bright	36.000	130	23Bet Dra	2.7990	5800.0	72	37859	No
179	GOM_NL__2PRFIN20090527_225739_000000332079_00230_37859_8379.N1	27-MAY-2009 22:57:39	Twilight	33.000	89	5Alp Cep	2.4510	8000.0	66	37859	No
180	GOM_NL__2PRFIN20090527_231221_000000292079_00230_37859_8380.N1	27-MAY-2009 23:12:21	Twilight	28.500	58	21Alp And	2.0730	11000.	57	37859	No
181	GOM_NL__2PRFIN20090527_231702_000000292079_00230_37859_8381.N1	27-MAY-2009 23:17:02	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37859	No
182	GOM_NL__2PRFIN20090527_233402_000000392079_00230_37859_8382.N1	27-MAY-2009 23:34:02	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37859	No
183	GOM_NL__2PRFIN20090527_233943_000000422079_00231_37860_8387.N1	27-MAY-2009 23:39:43	Dark	42.000	172	Gam Gru	3.0030	13100.	84	37860	No
184	GOM_NL__2PRFIN20090527_235432_000000342079_00231_37860_8388.N1	27-MAY-2009 23:54:32	Straylight	33.500	178	1ot1Sco	3.0220	6550.0	67	37860	No
185	GOM_NL__2PRFIN20090527_235551_000000342079_00231_37860_8389.N1	27-MAY-2009 23:55:51	Straylight	33.500	25	35Lam Sco	1.6200	28000.	67	37860	No

### 3. Quality information per product

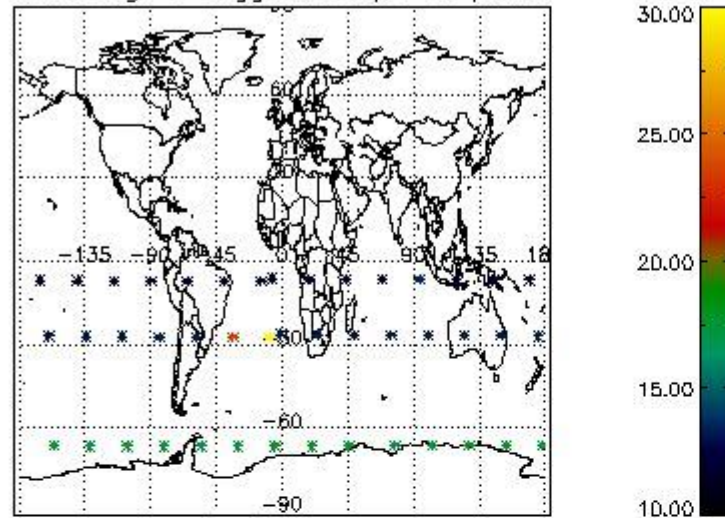
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

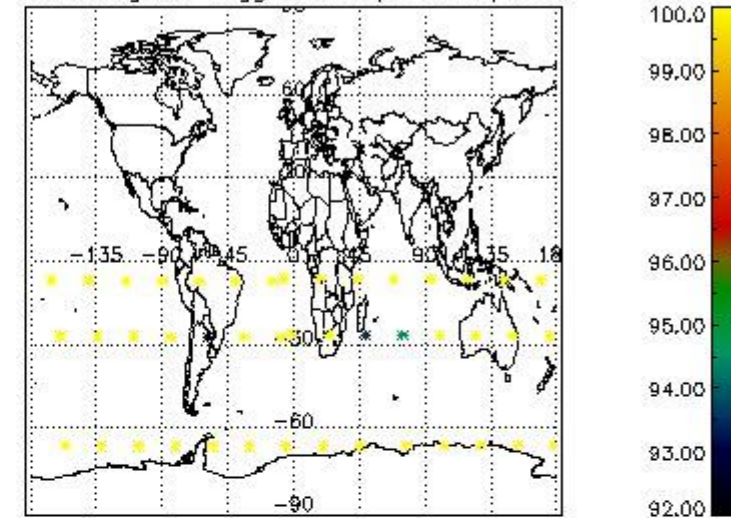


3.2 Plot quality information per product (world map)

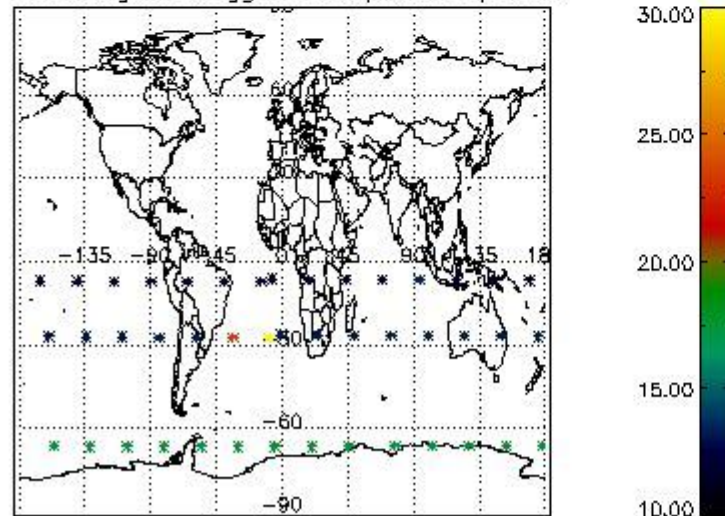
Percentage of flagged data per O3 profile



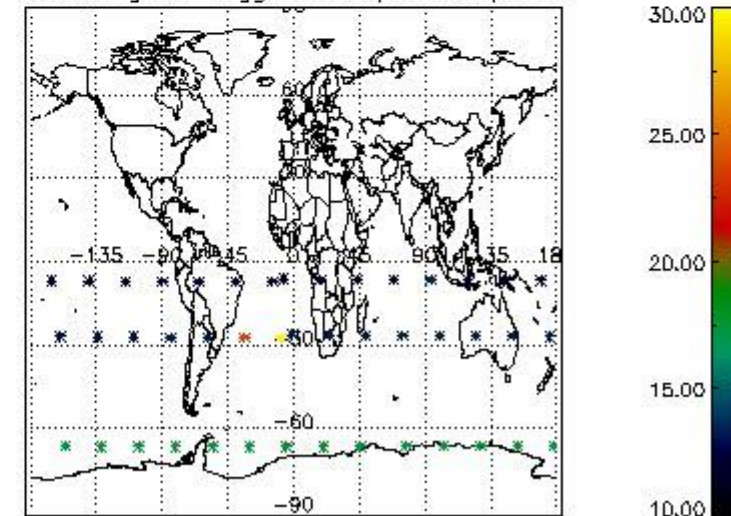
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile



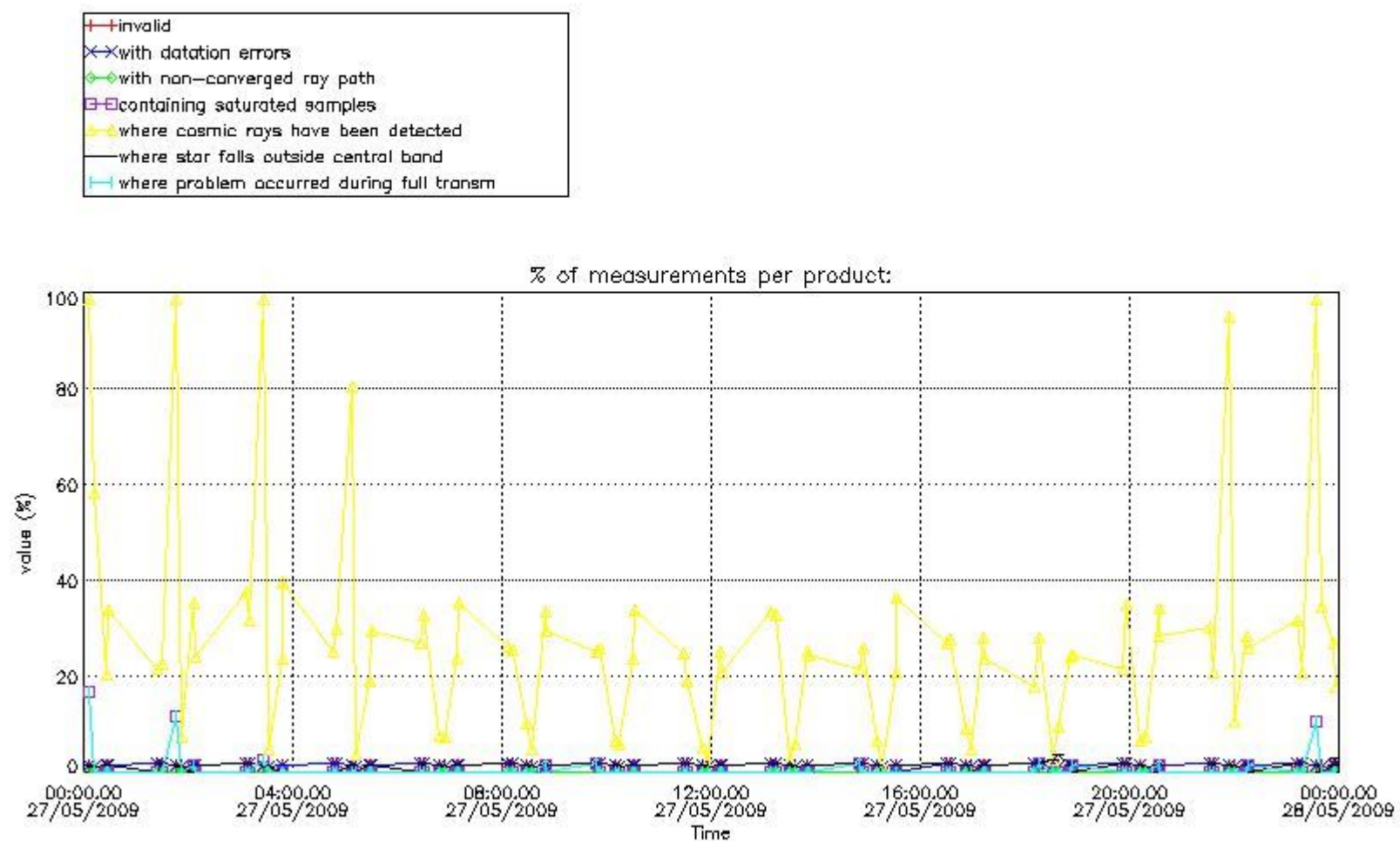
#### 4. Level 1 quality information per product

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

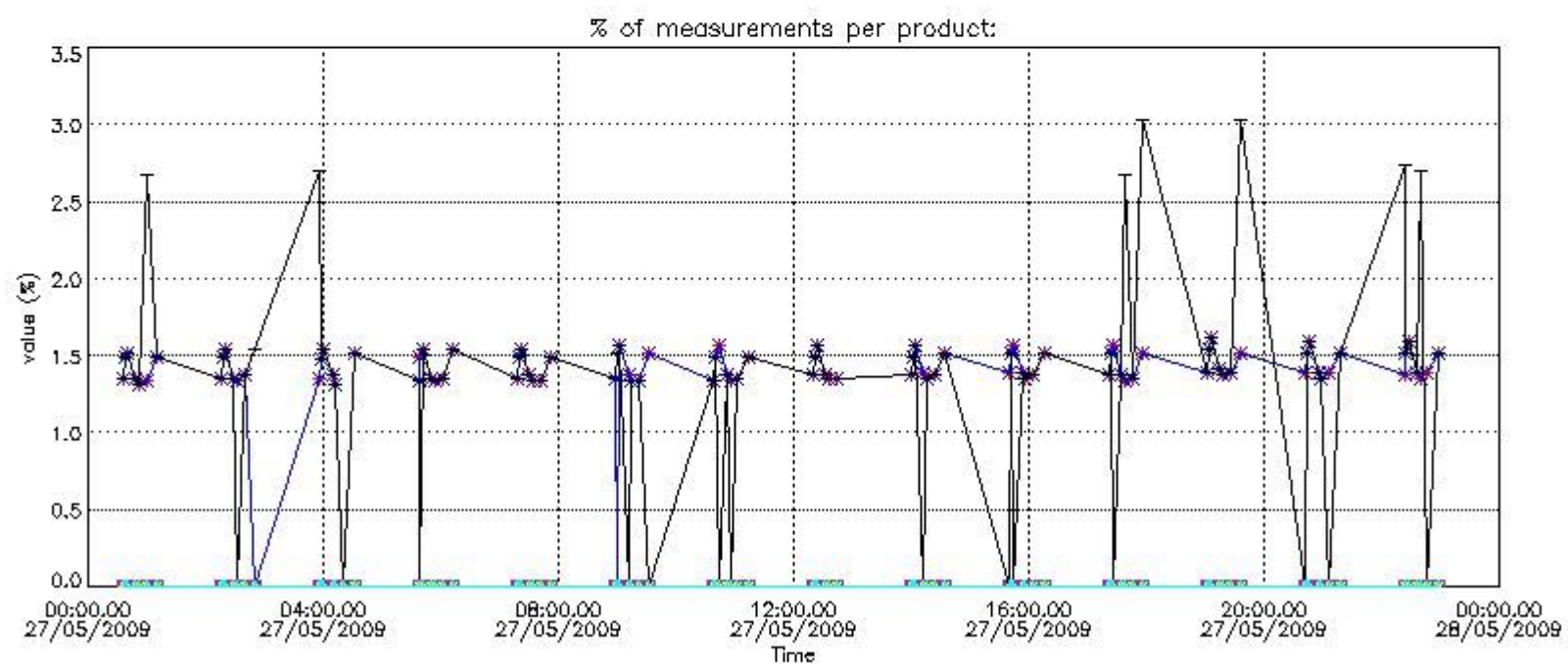
##### 4.1 Plot quality information per product (time dependant) coming from level 1b processing

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





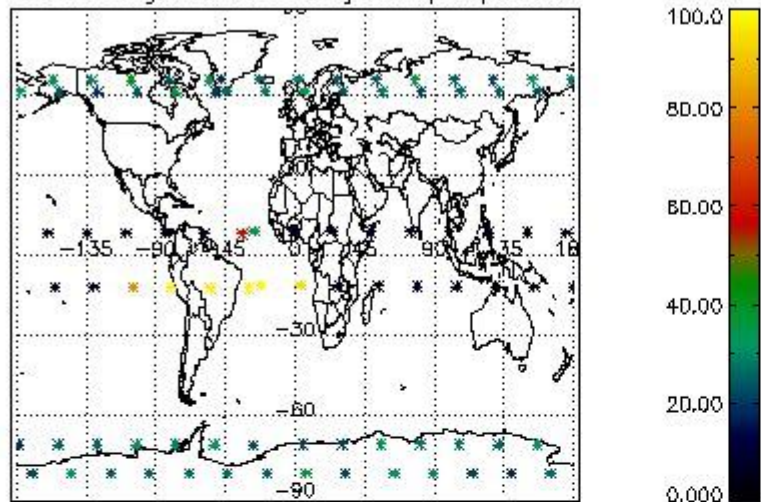
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



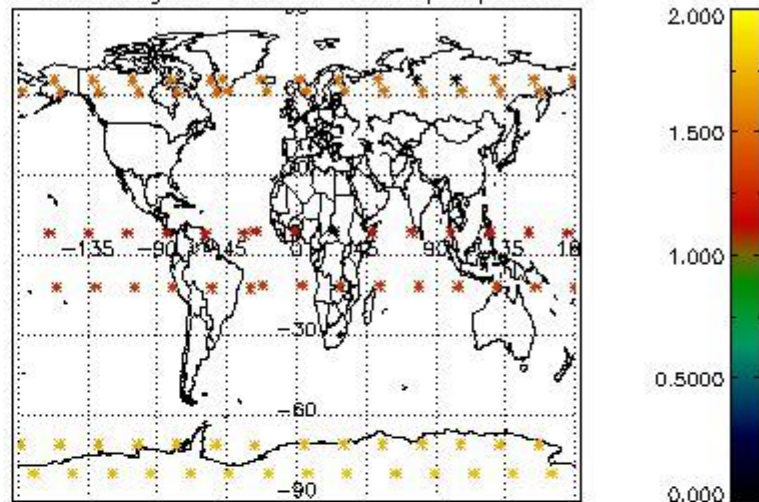
4.2 Plot quality information per product coming from level 1b processing (world map)

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

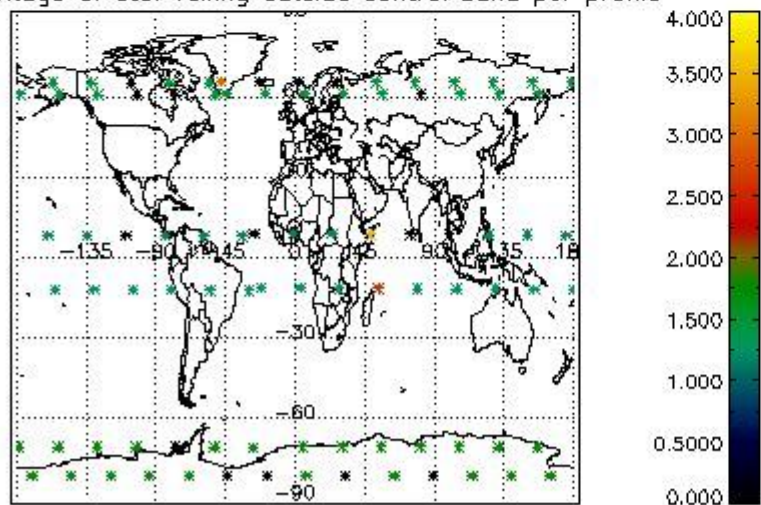
Percentage of cosmic ray hits per profile



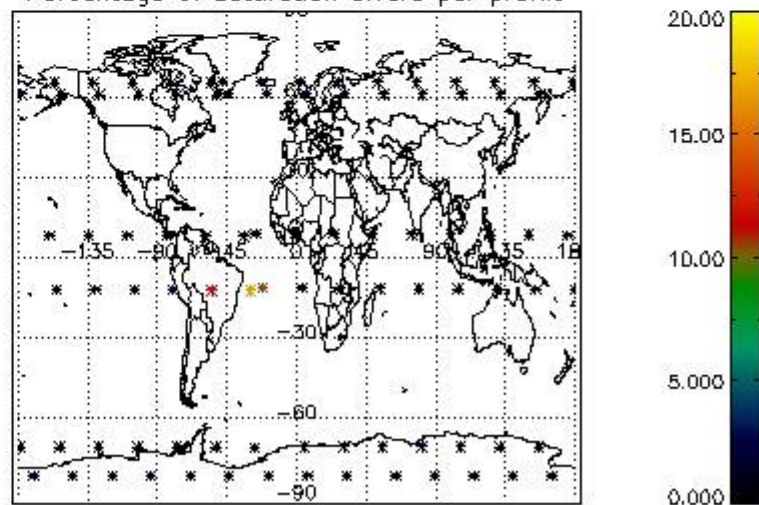
Percentage of datation errors per profile



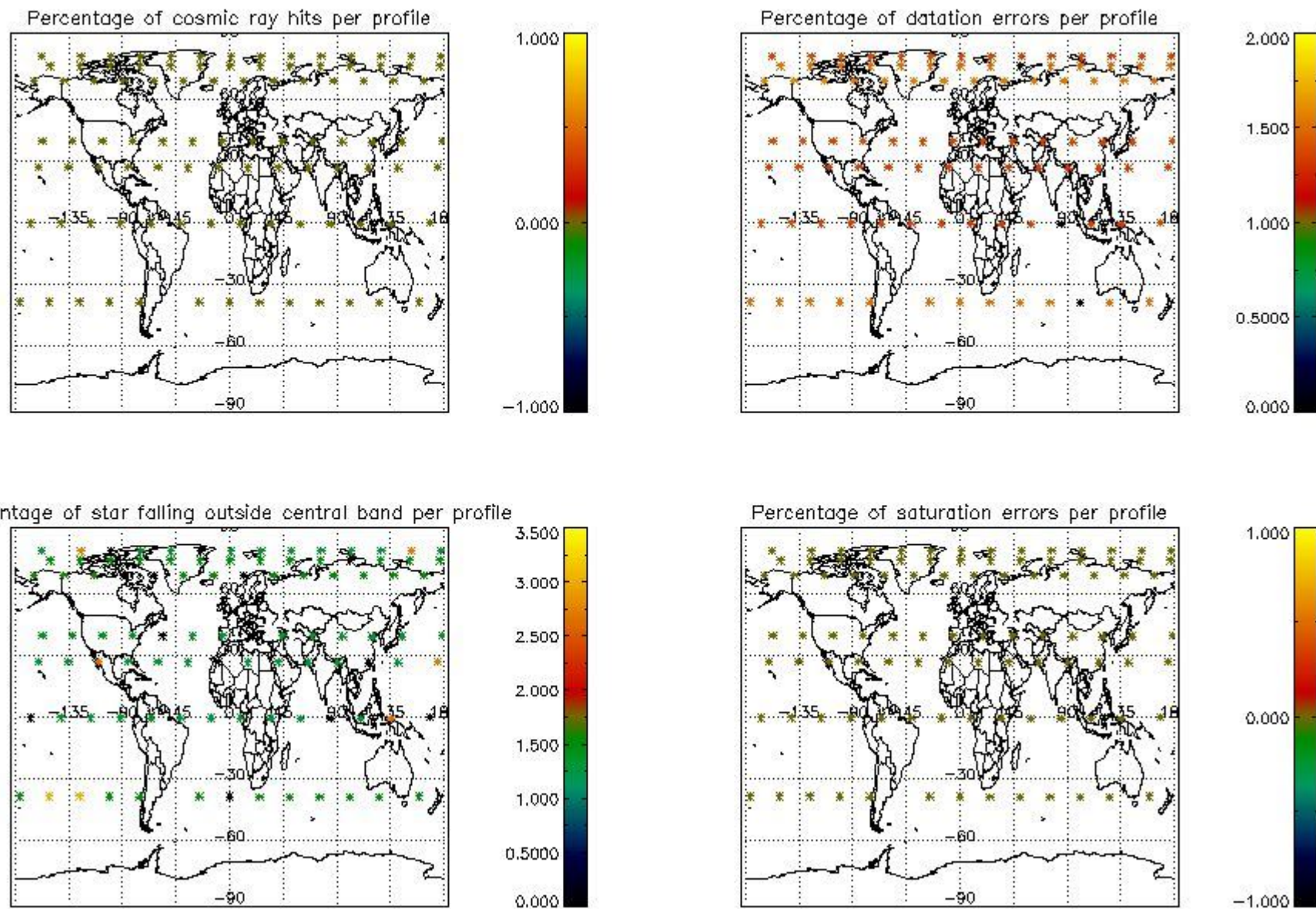
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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



## 5. Trace gas profiles

### 5.1 Ozone statistics based on quality of products

The final quality of the products can be "measured" using the STD (Standard Deviation) attached to every point profile. This information is written to the parameter GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/o3\_std of the level 2 products. The table below shows the statistics for given STD ranges.

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

- Products without fatal errors: GOM\_NL\_\_2P/MPH/PRODUCT\_ERR=0
- Valid point profile: GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/pcd(0)=0

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

- Products in dark limb illumination condition: GOM\_NL\_\_2P/NL\_SUMMARY\_QUALITY/obs\_ill\_cond=0
- Products without fatal errors: GOM\_NL\_\_2P/MPH/PRODUCT\_ERR=0
- Valid point profile: GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/pcd(0)=0

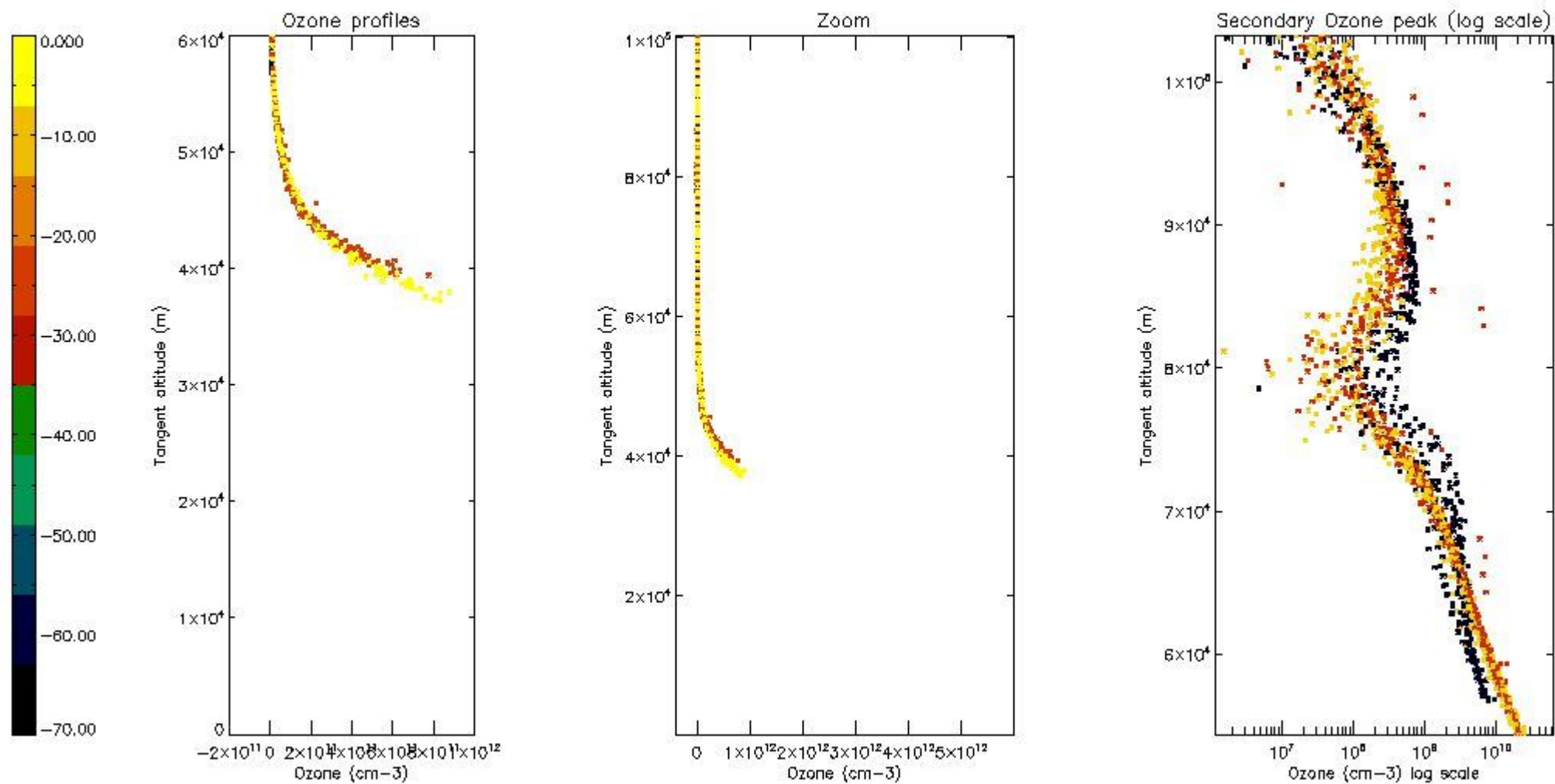
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	25
STD < 20	12

STD < 10	10
STD < 5	6

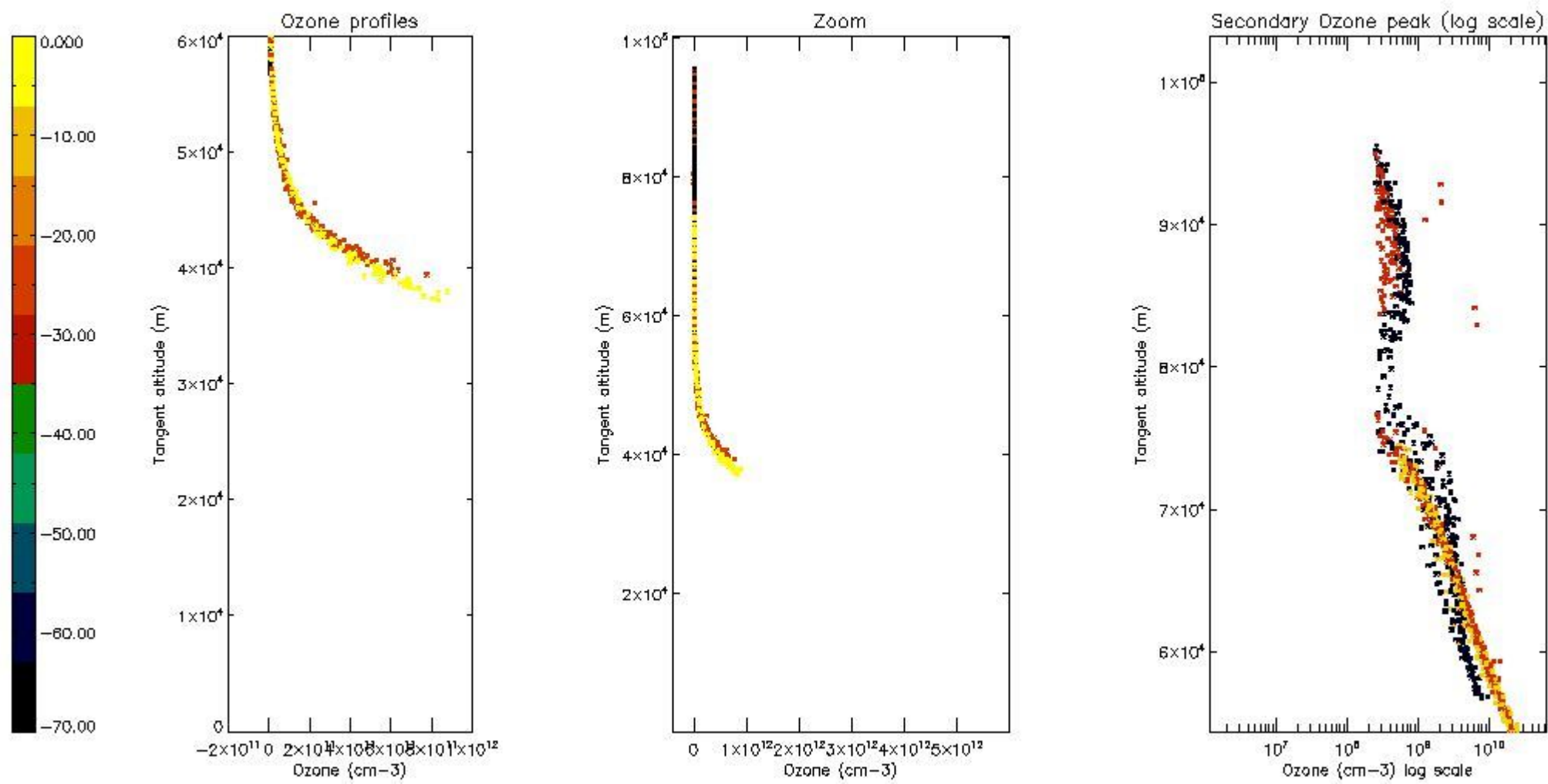
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



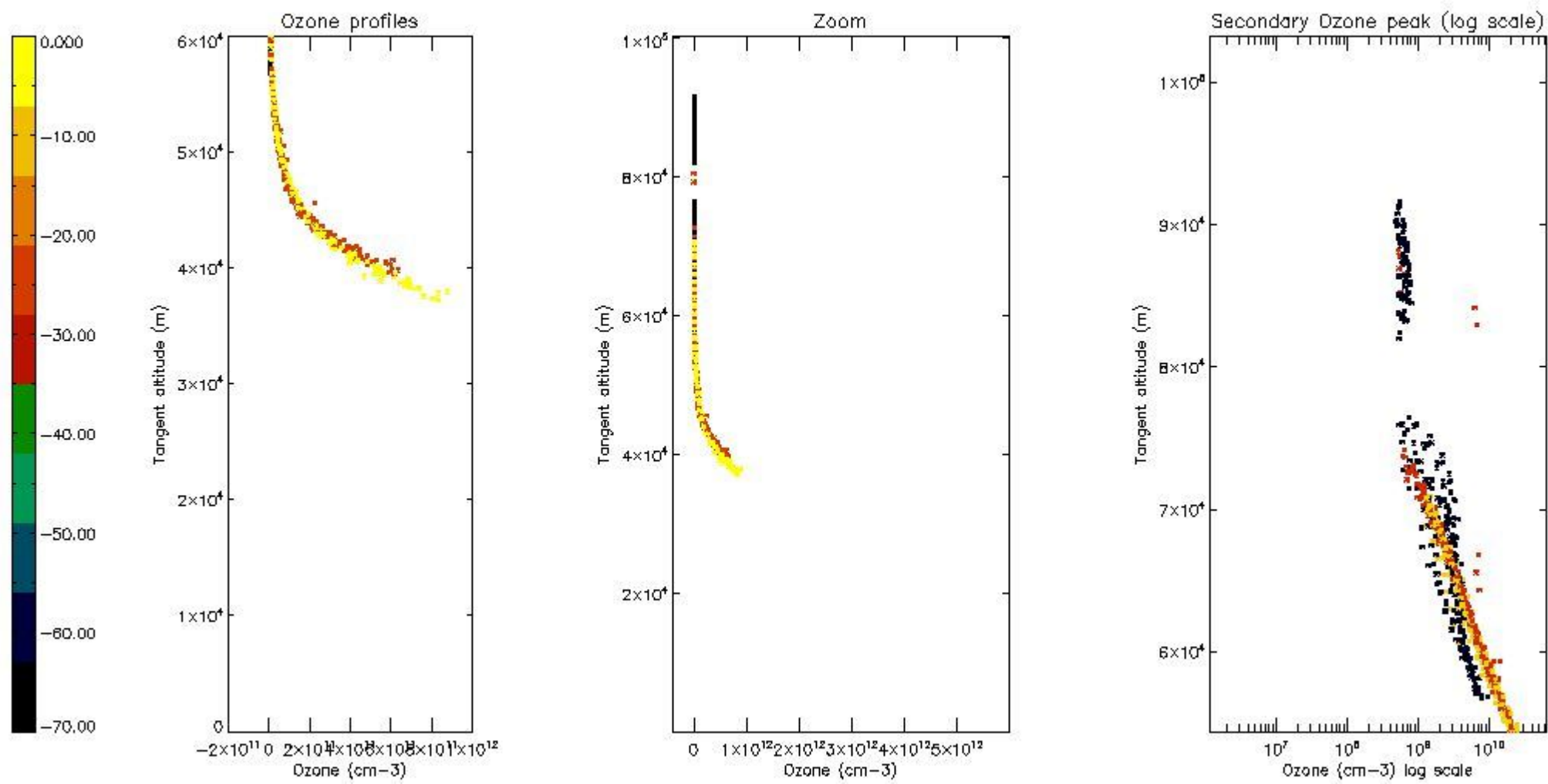
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



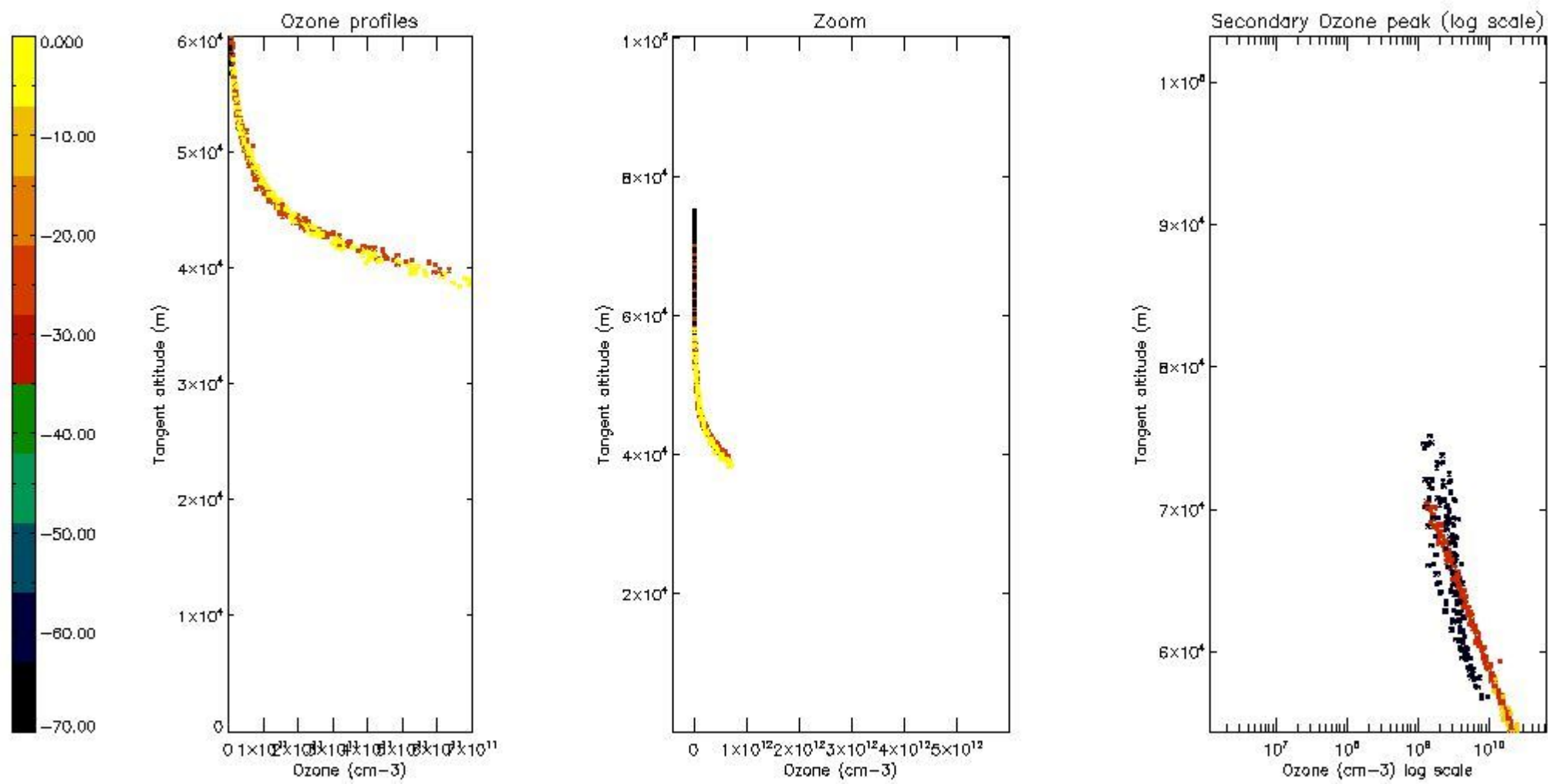
5.4 Plot ozone profiles where  $STD < 10\%$  (dark without errors)

The colorbar represents the latitude.



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

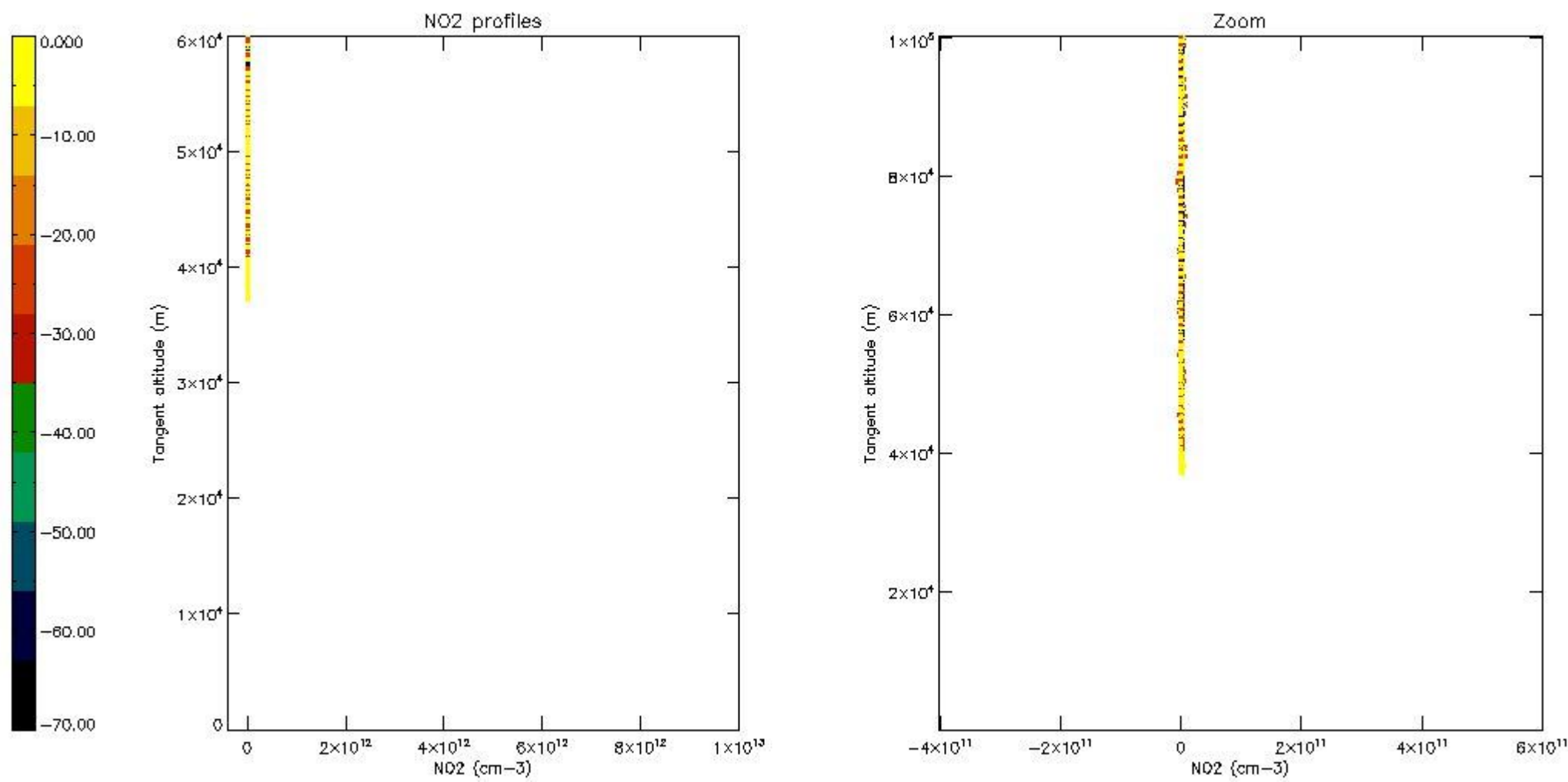
The colorbar represents the latitude.



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

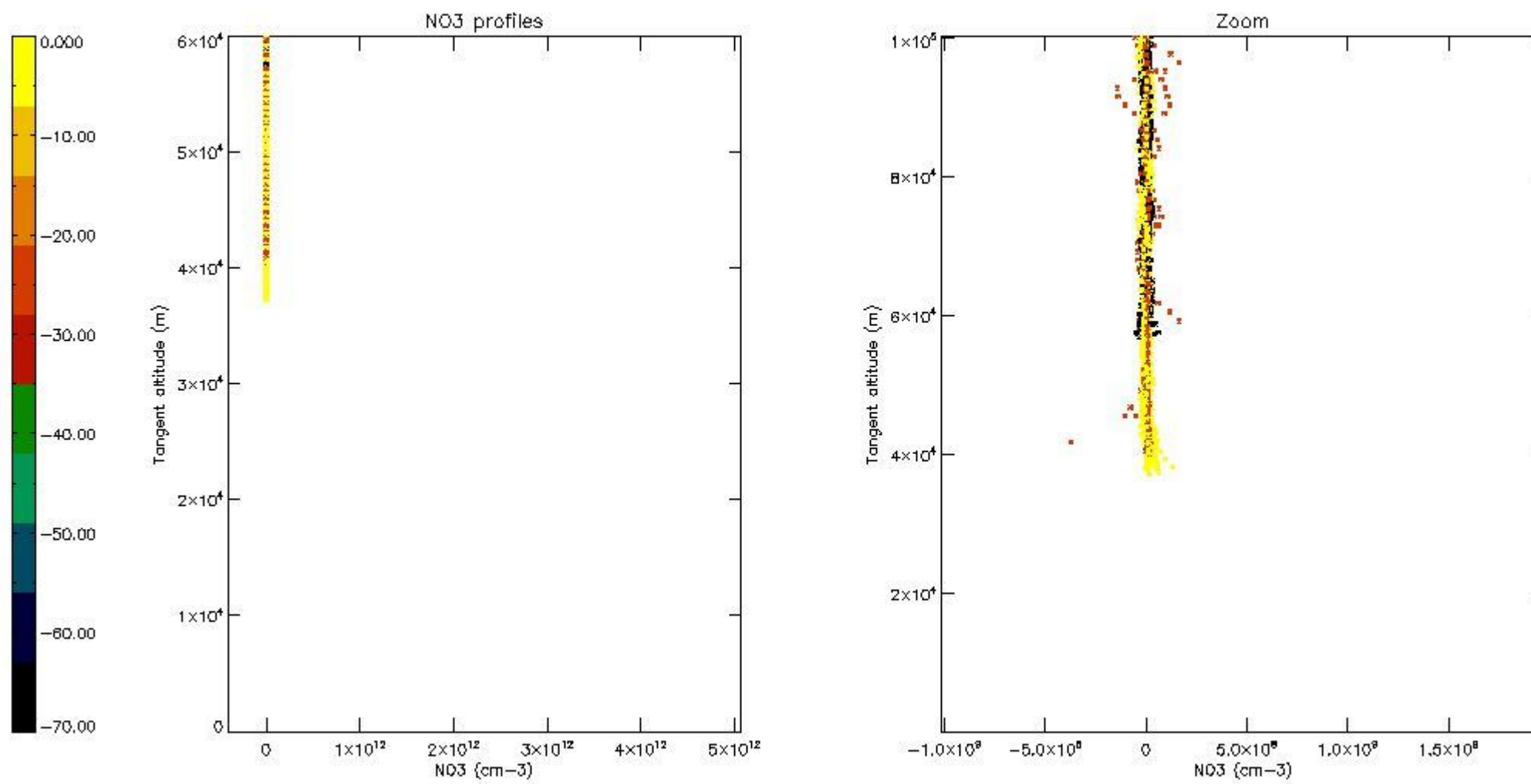
The colorbar represents the latitude.





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

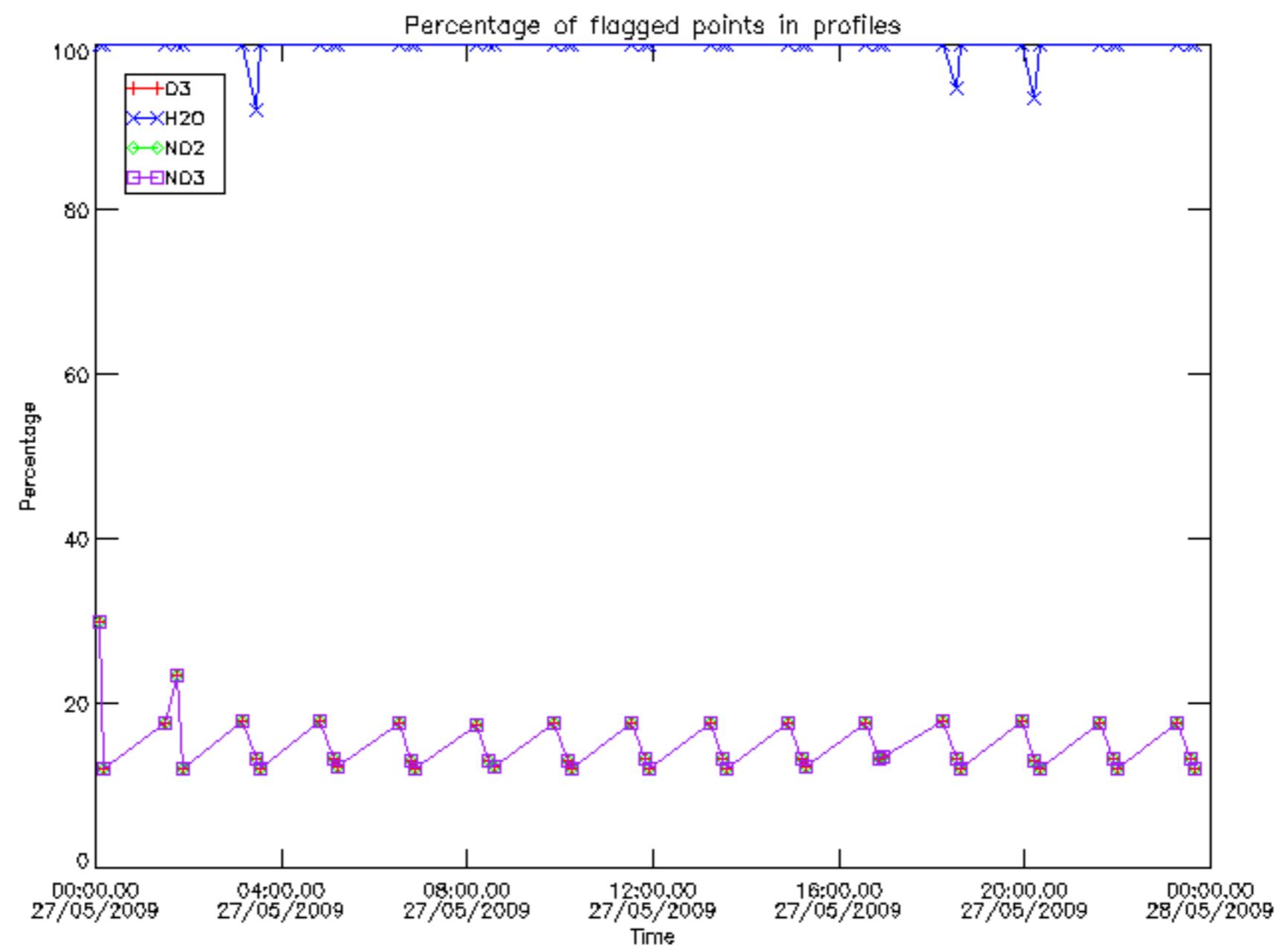
The colorbar represents the latitude.



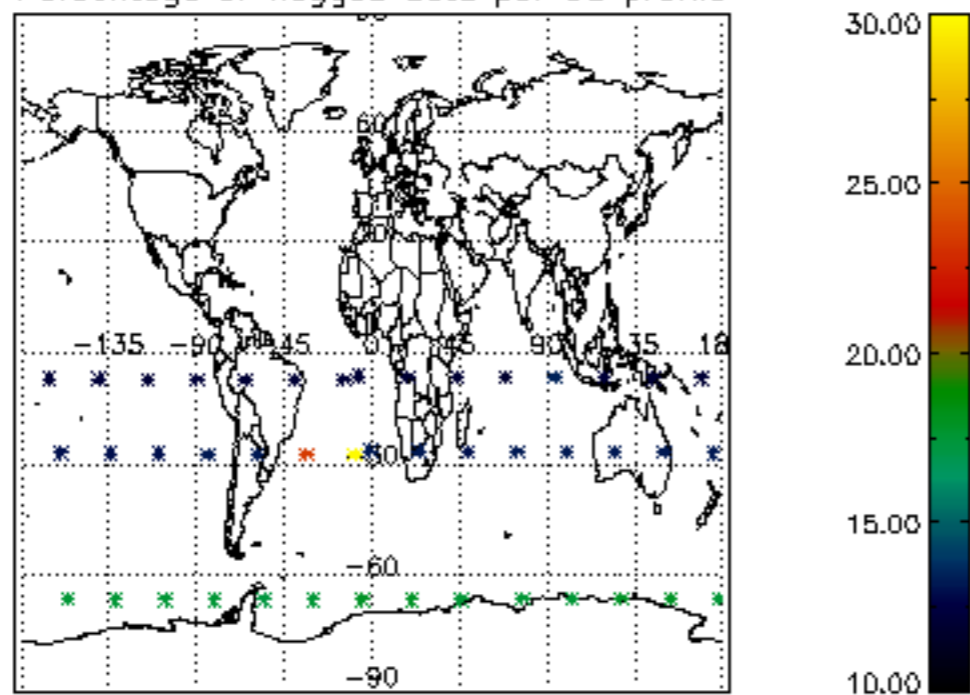
## 6. Auxiliary Data Files used for the production reported in section 2

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.

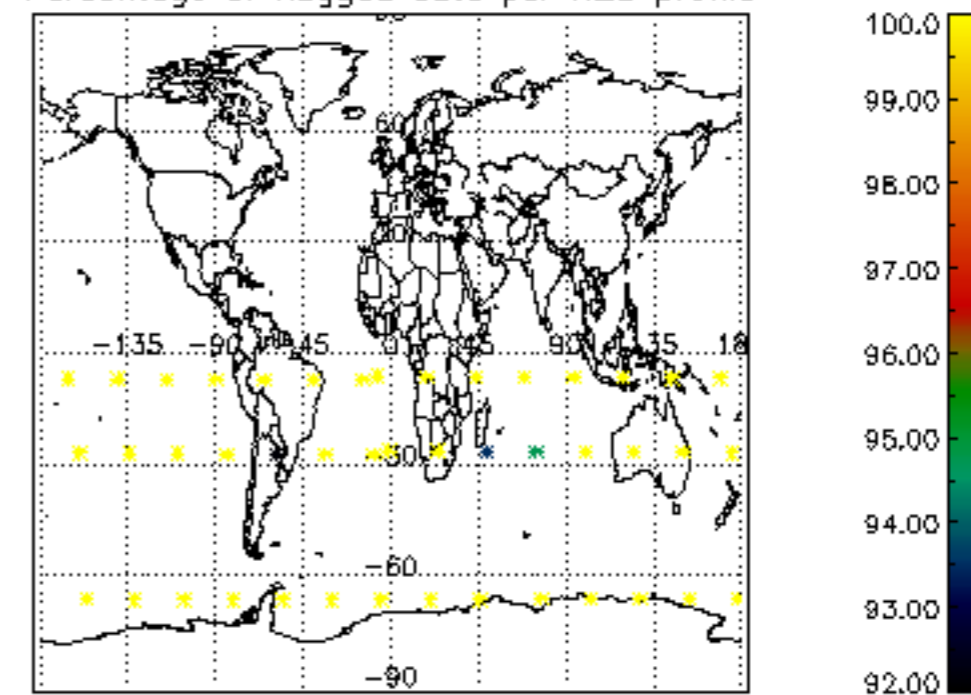
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	27-MAY-2009 00:05:23
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	27-MAY-2009 00:05:23
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	27-MAY-2009 00:05:23



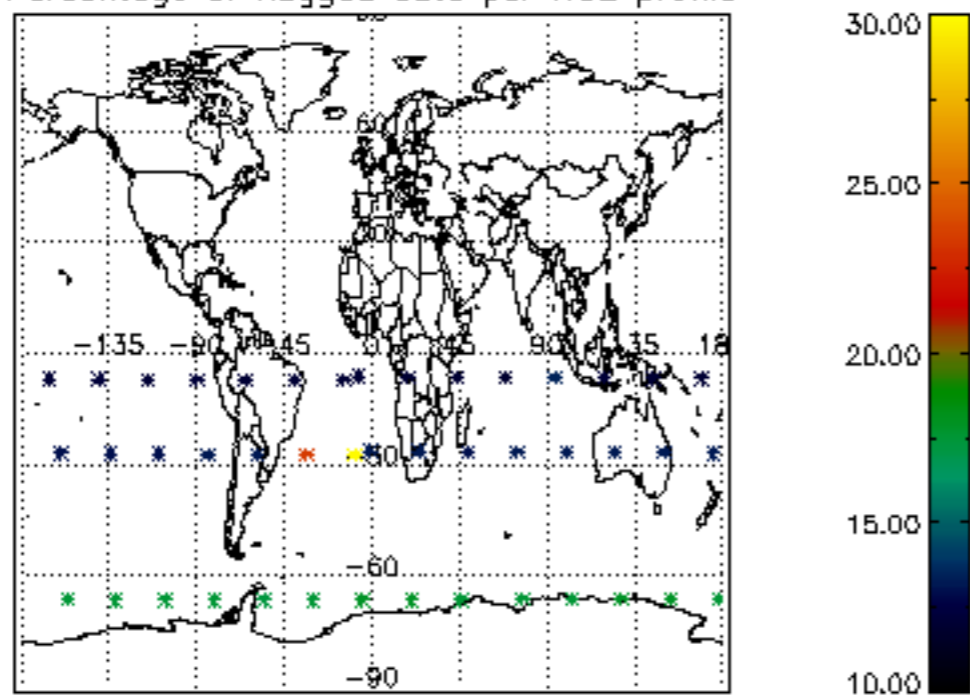
Percentage of flagged data per D3 profile



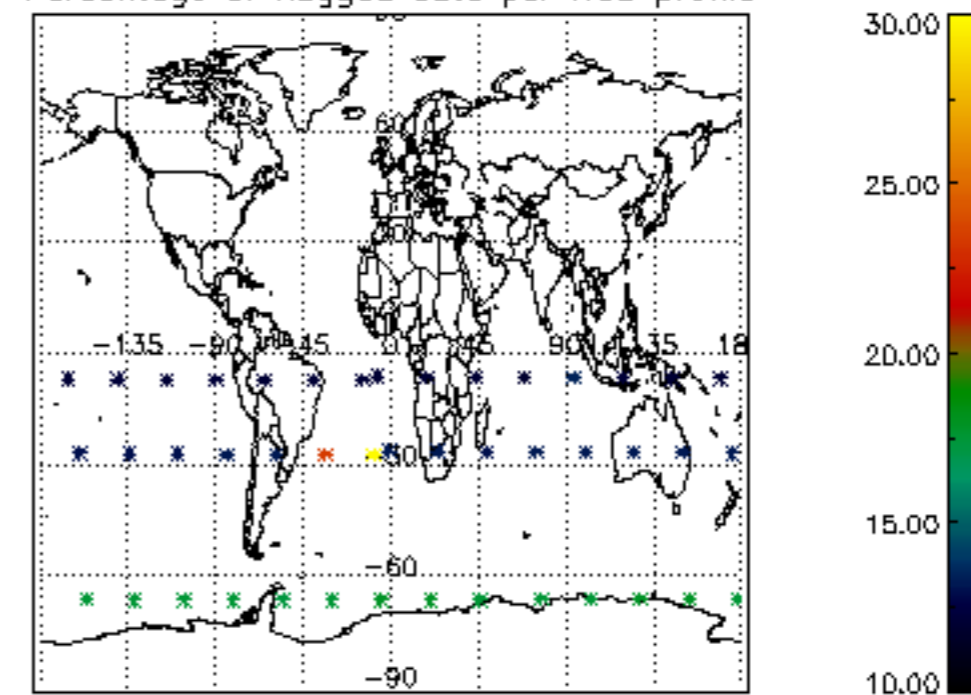
Percentage of flagged data per H2O profile

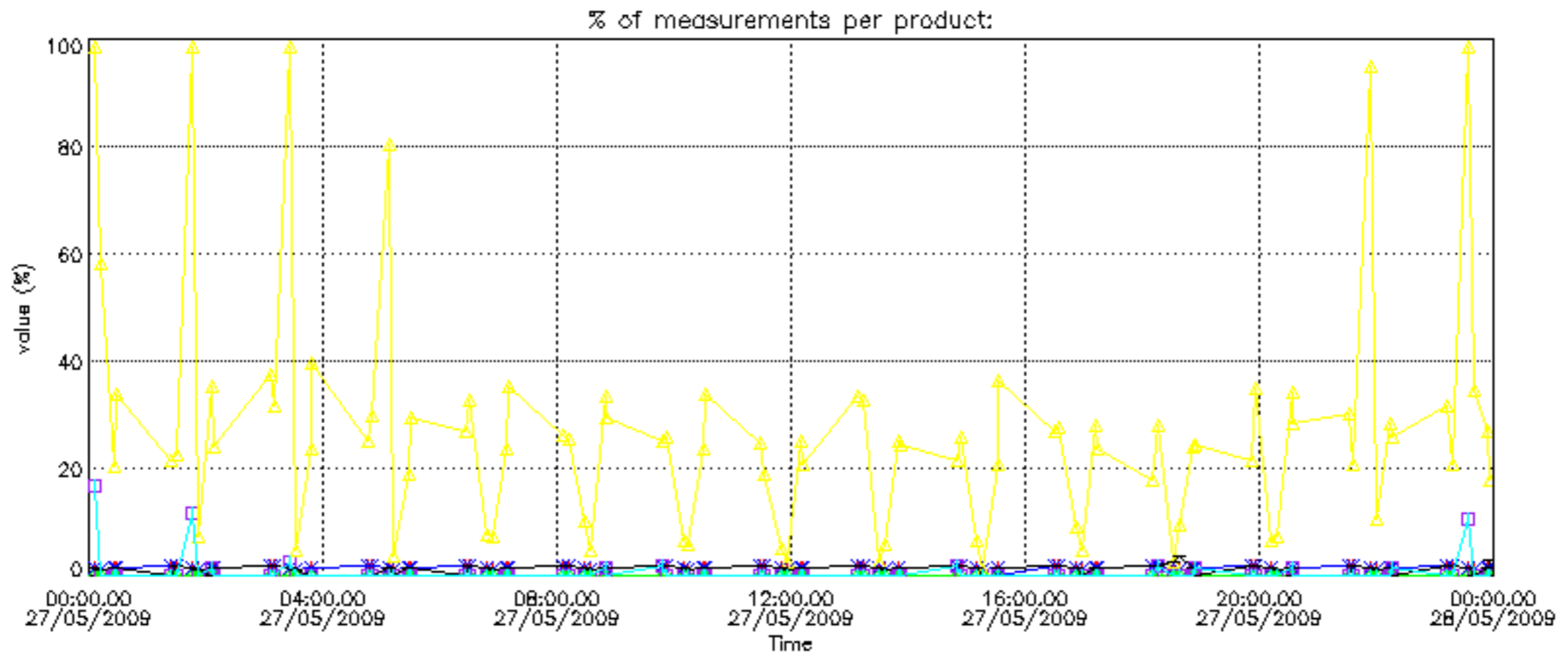


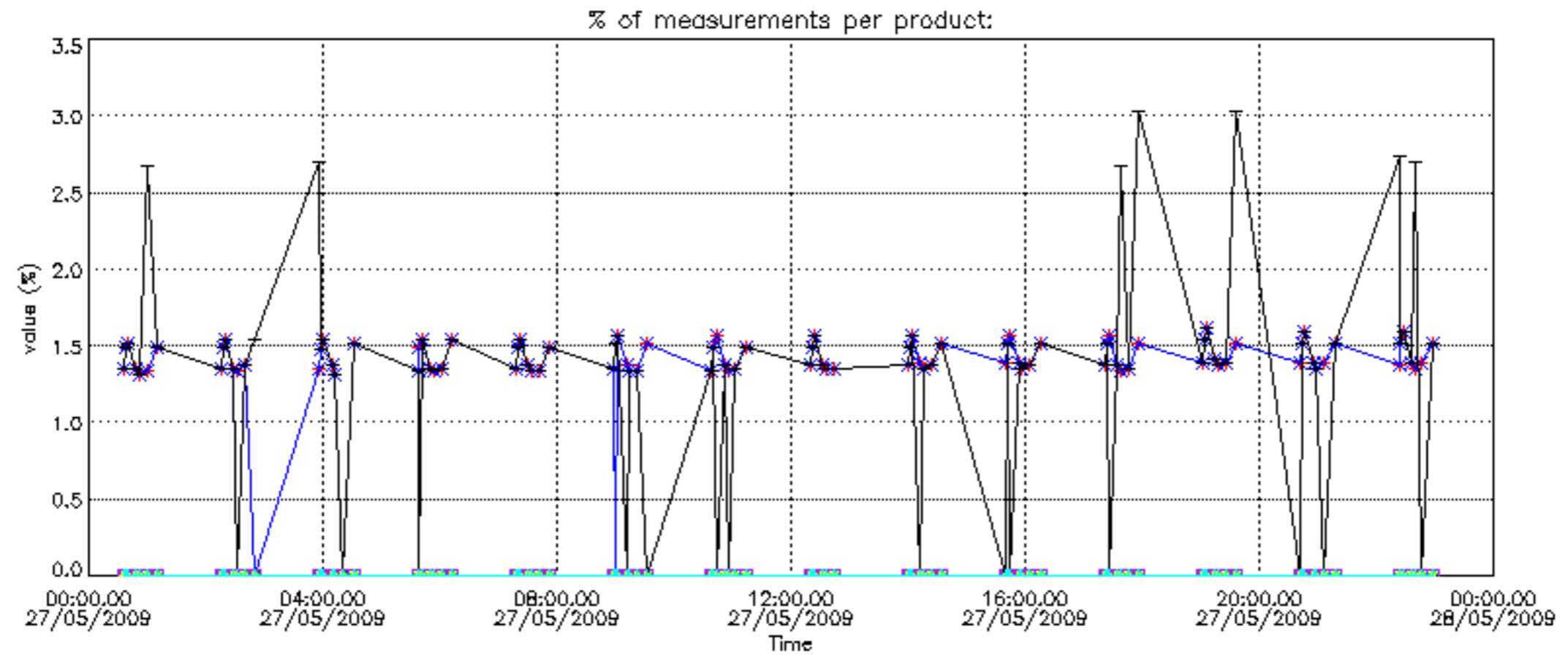
Percentage of flagged data per NO2 profile



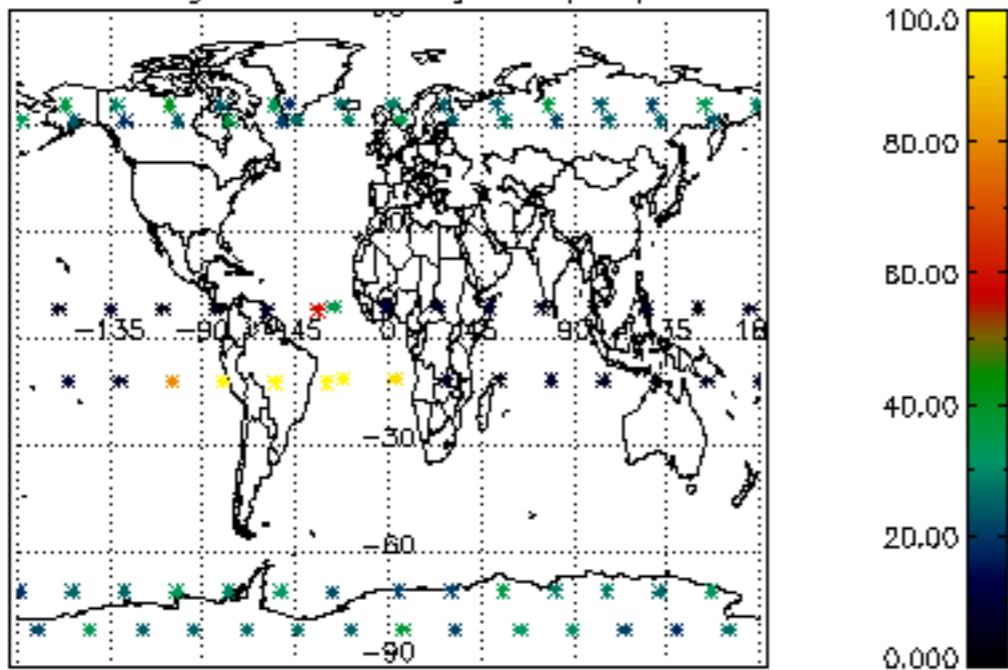
Percentage of flagged data per NO3 profile



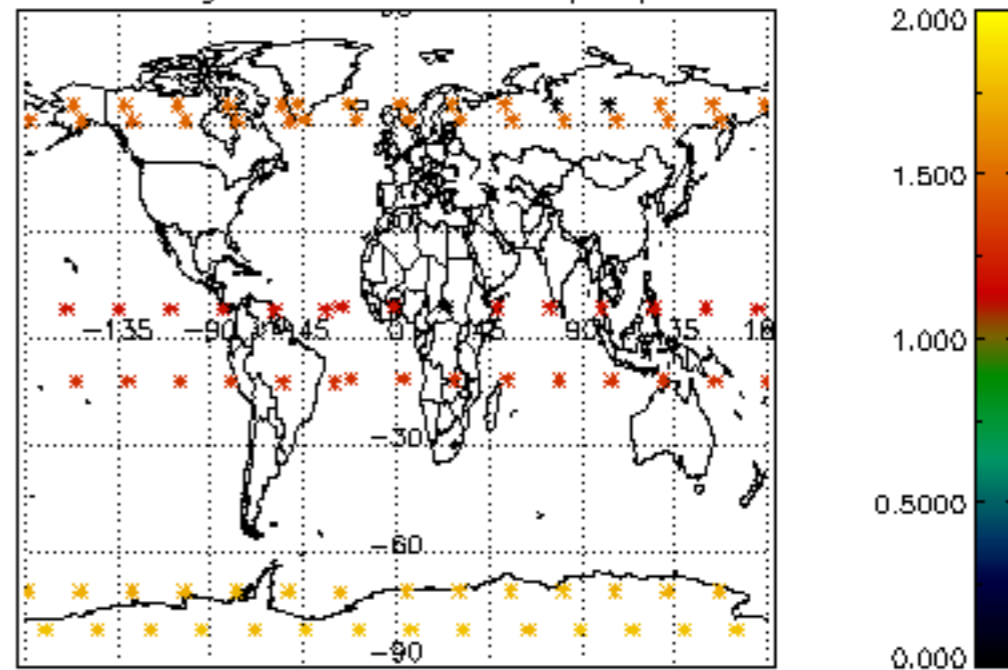




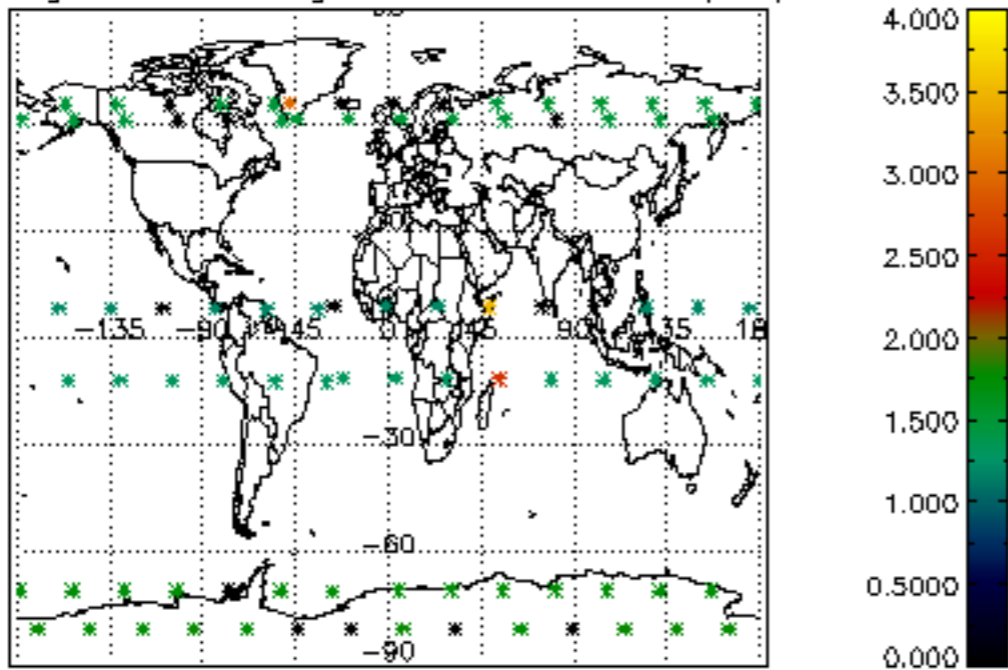
Percentage of cosmic ray hits per profile



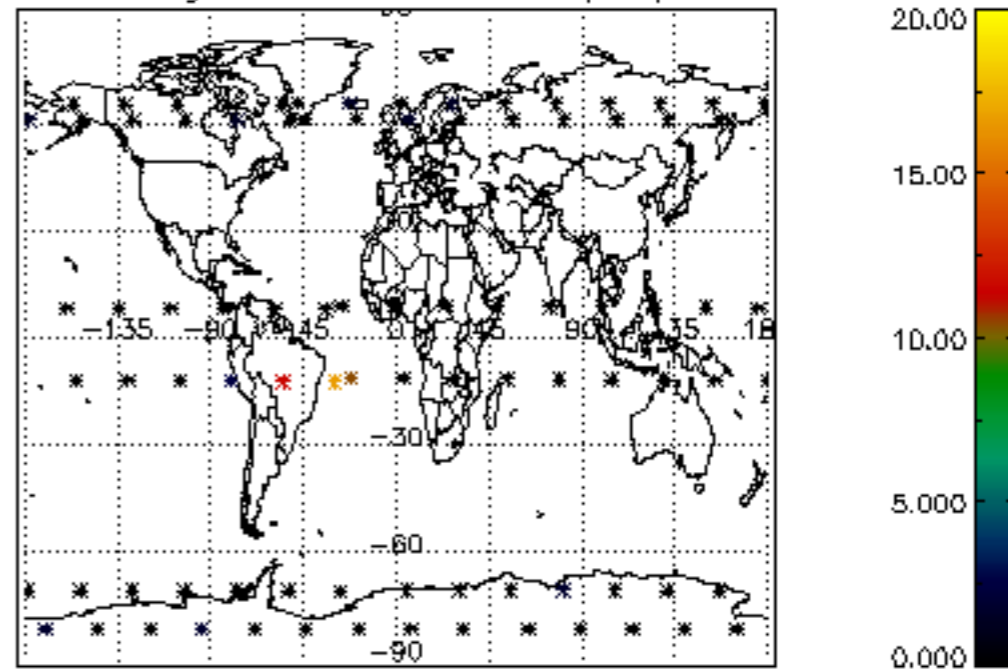
Percentage of datation errors per profile



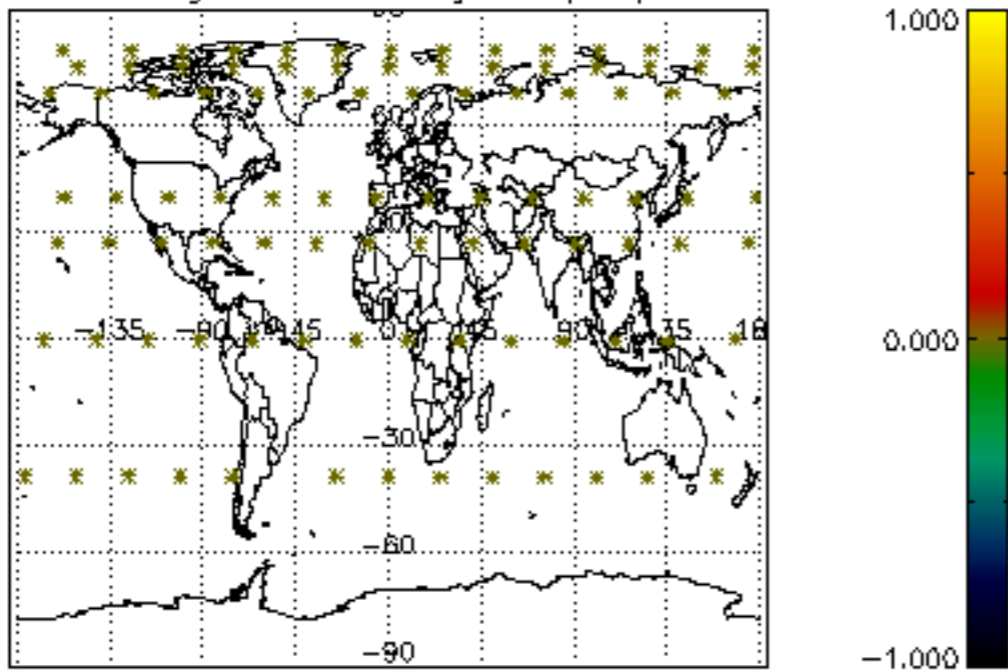
Percentage of star falling outside central band per profile



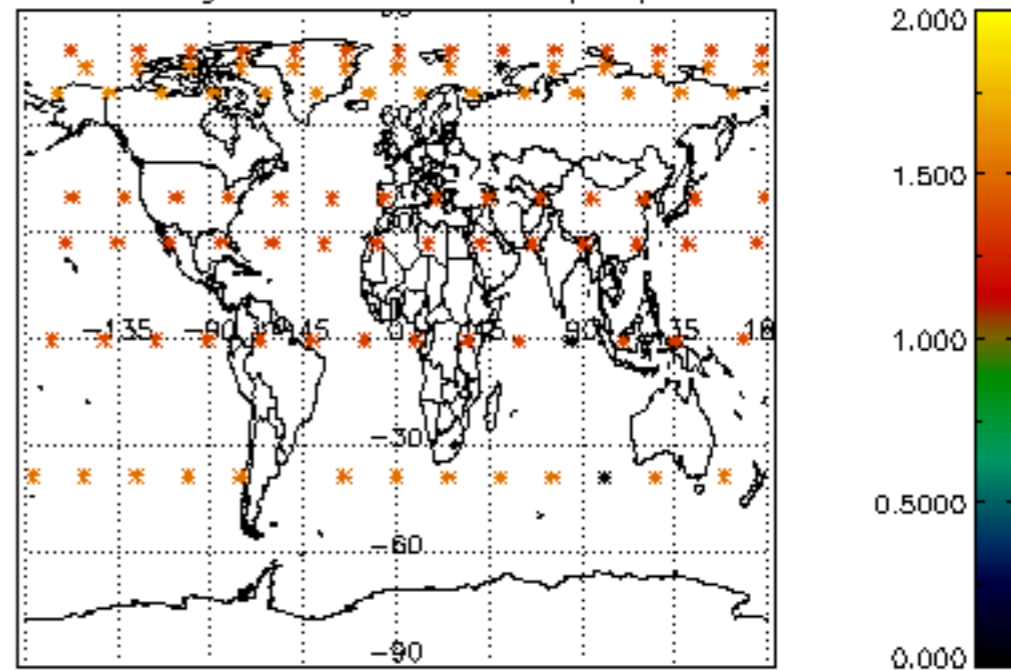
Percentage of saturation errors per profile



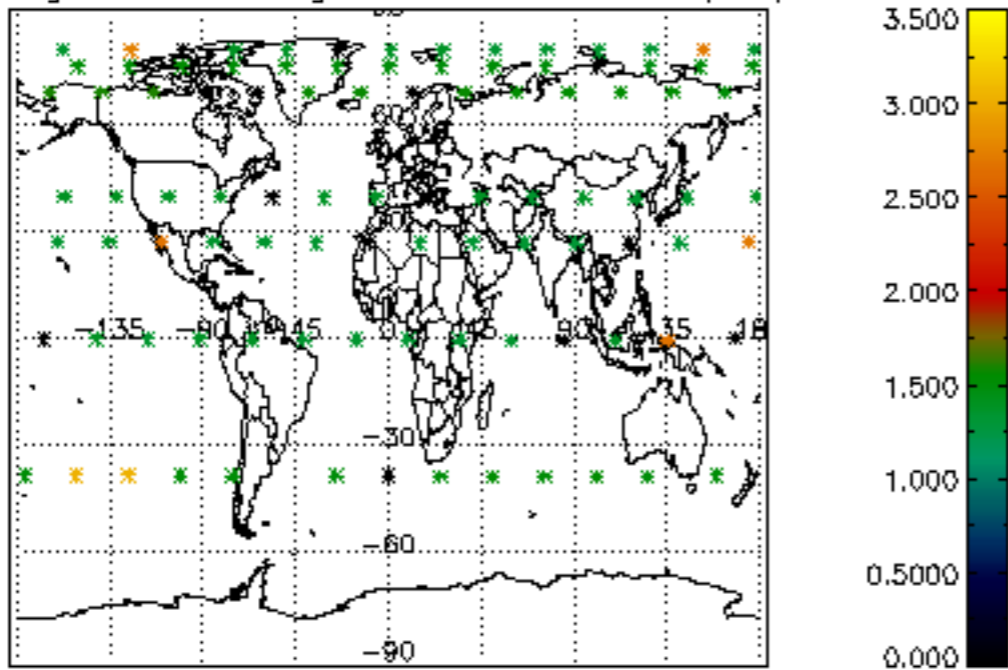
Percentage of cosmic ray hits per profile



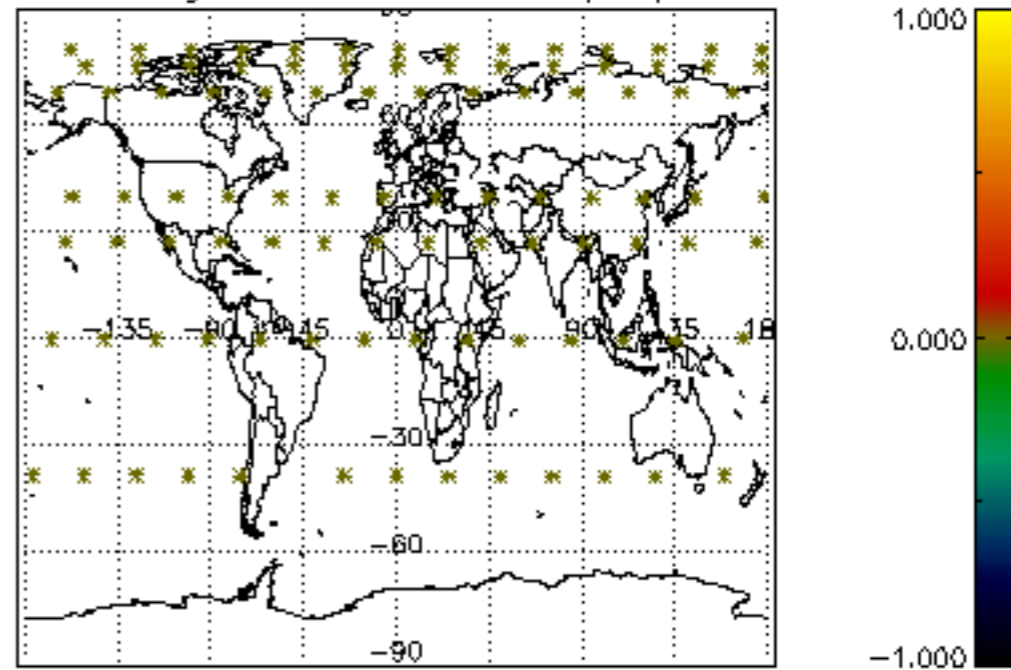
Percentage of datation errors per profile



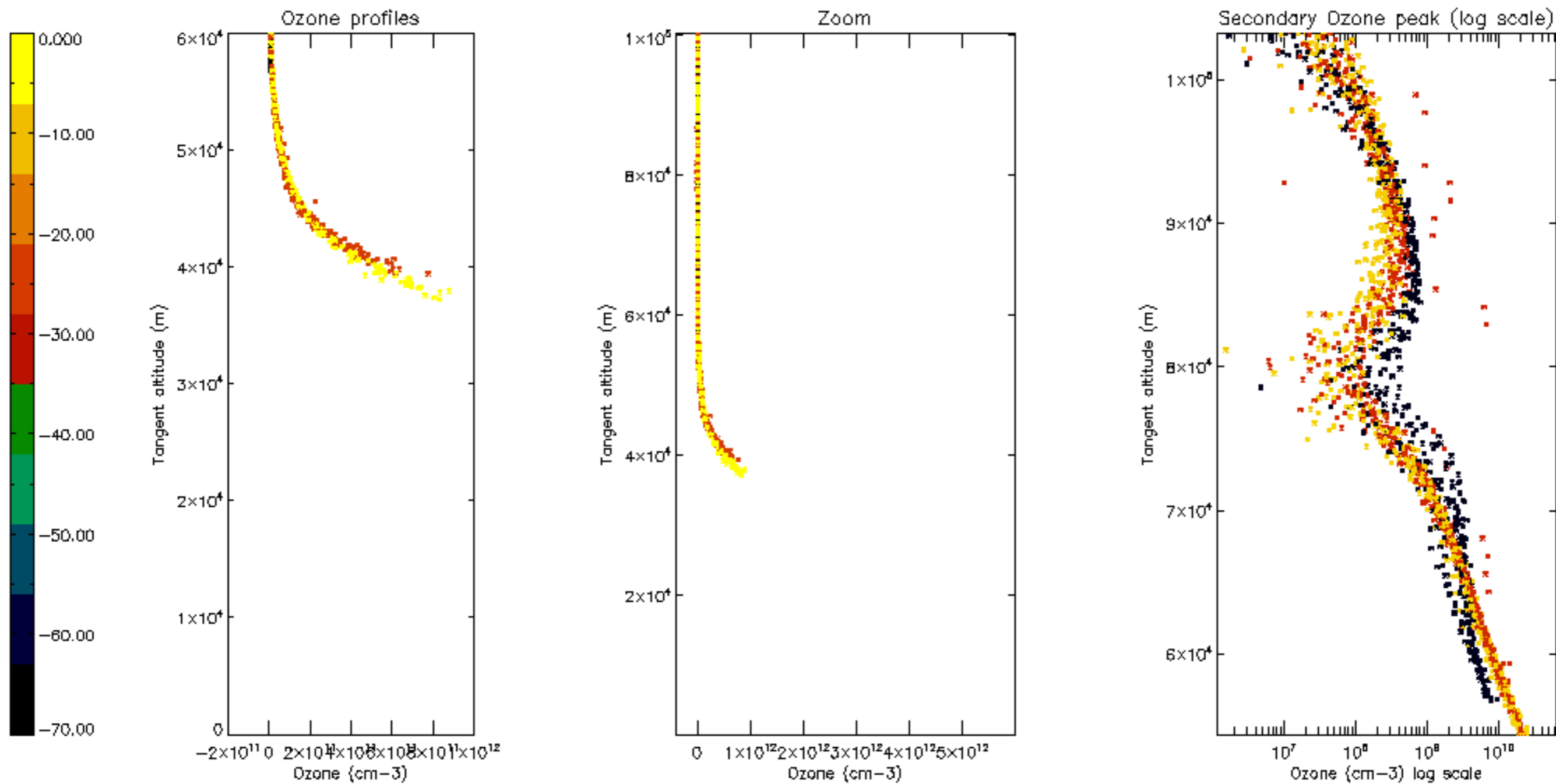
Percentage of star falling outside central band per profile

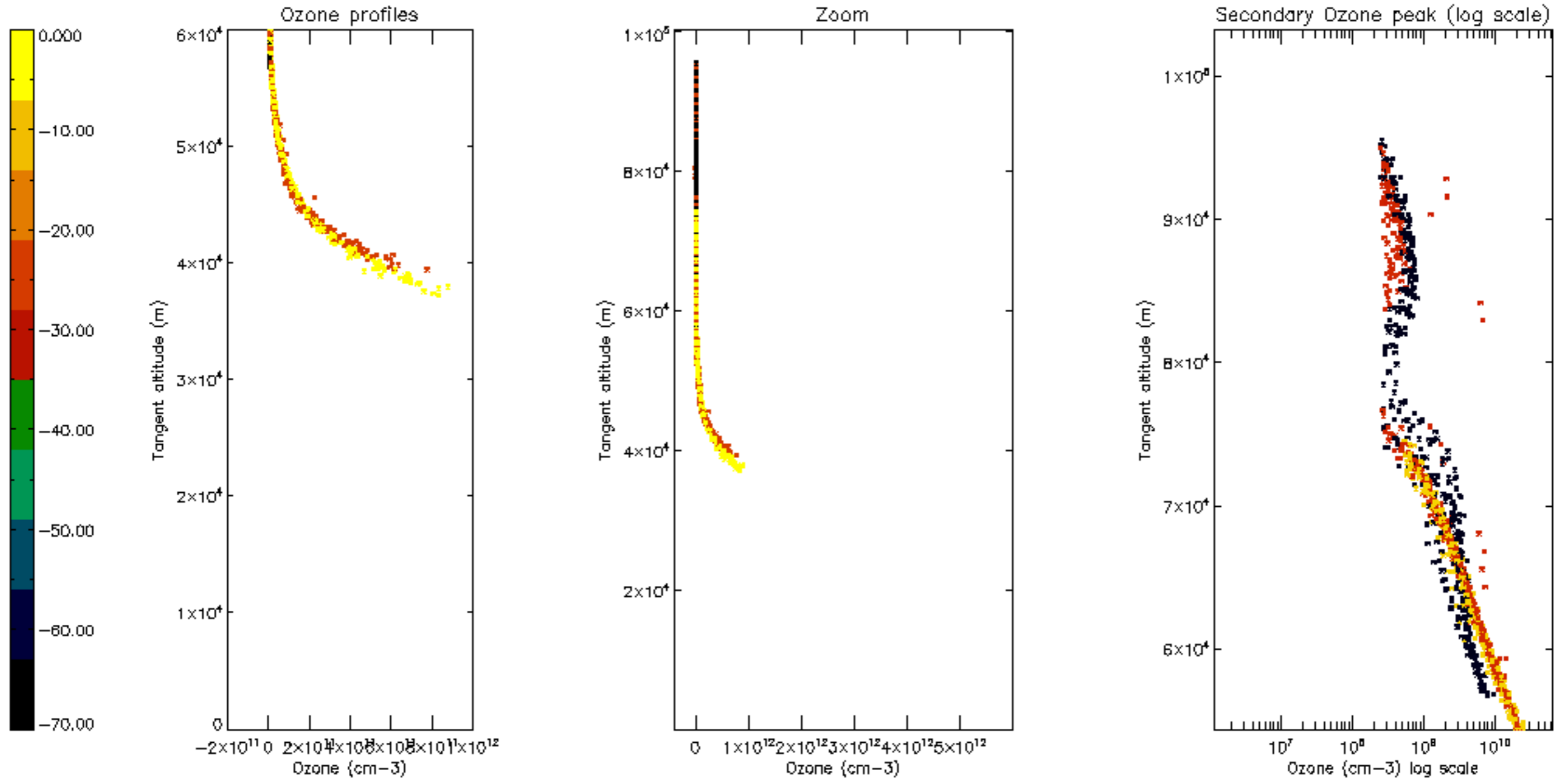


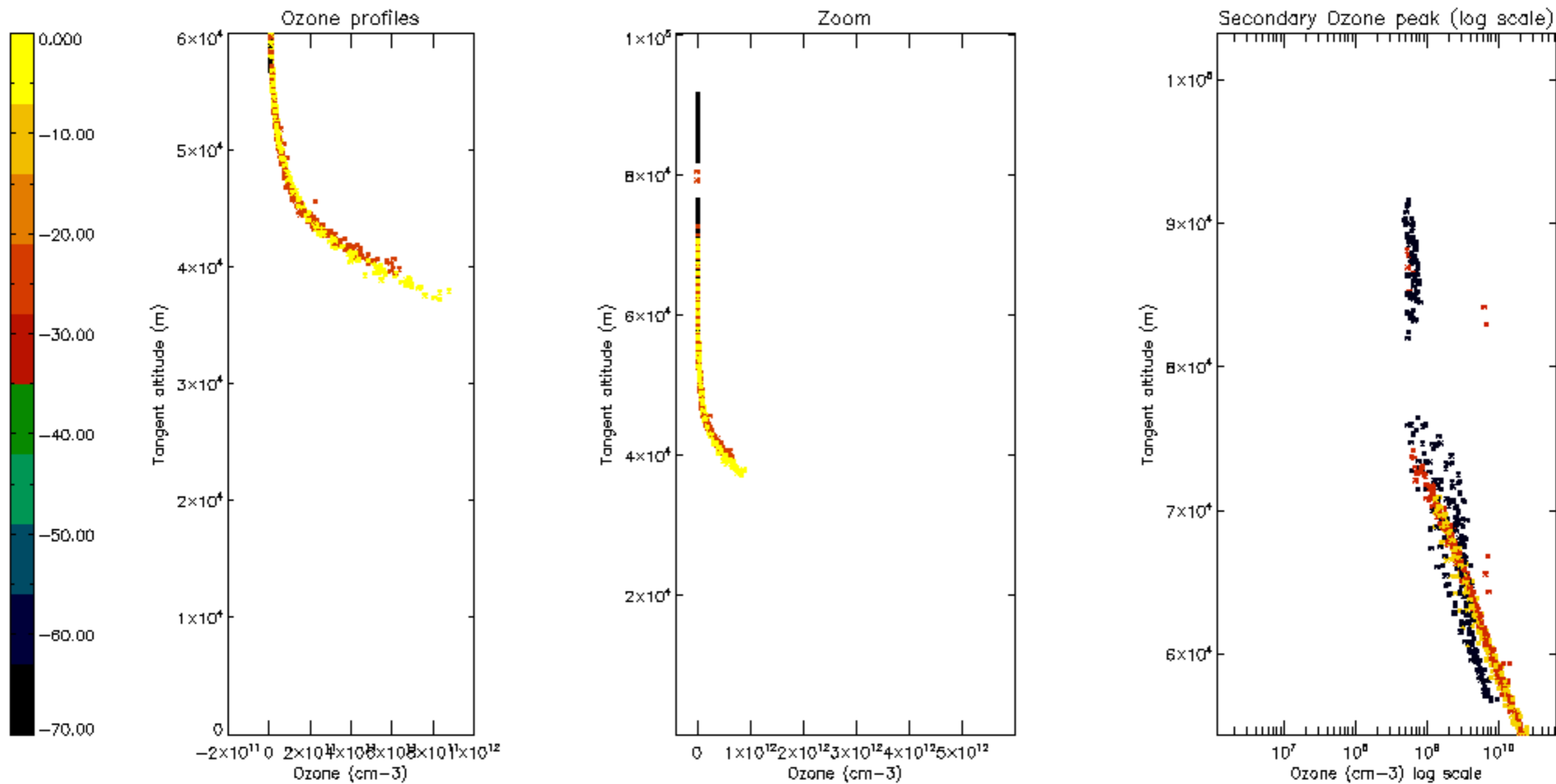
Percentage of saturation errors per profile

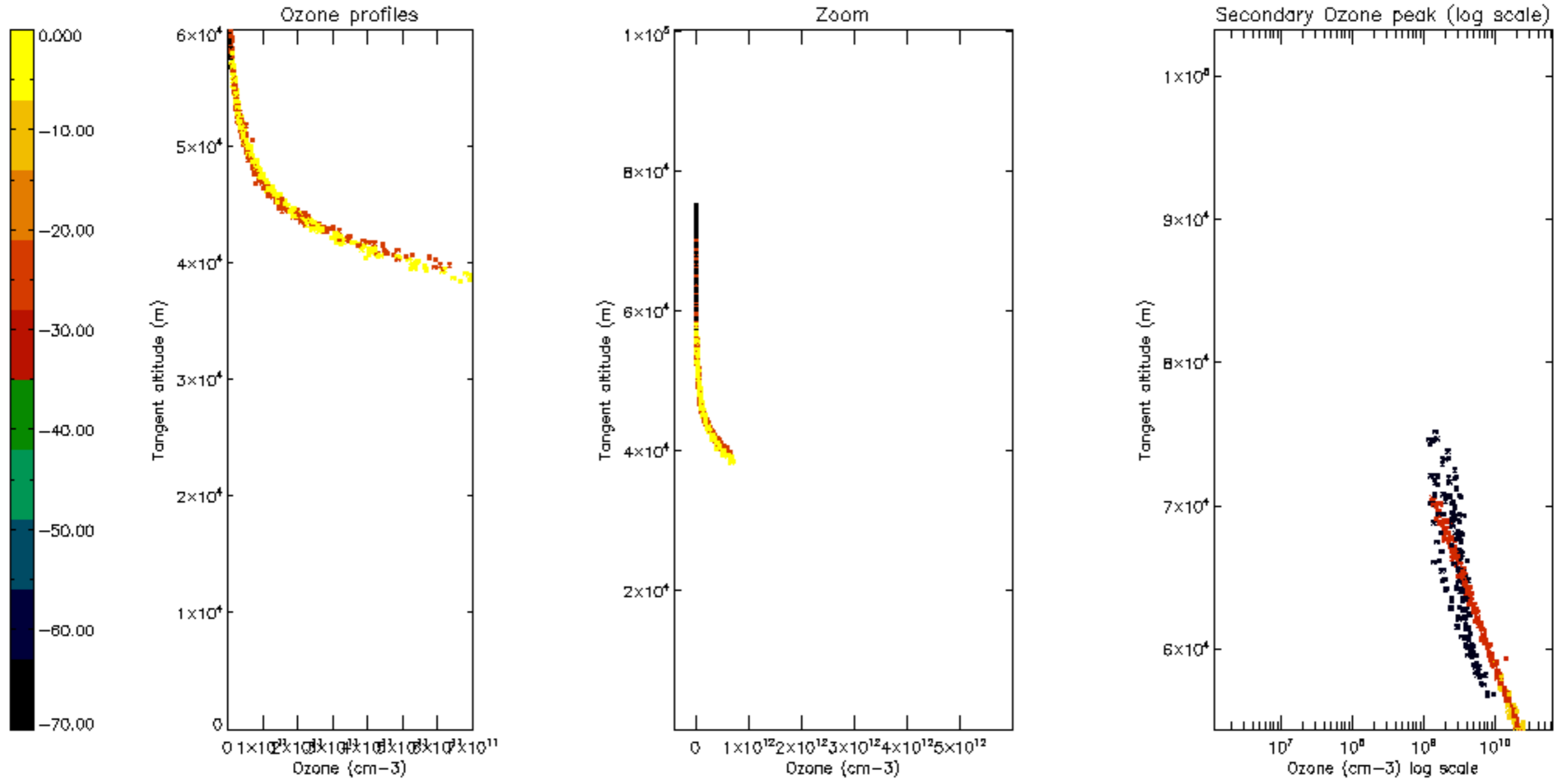


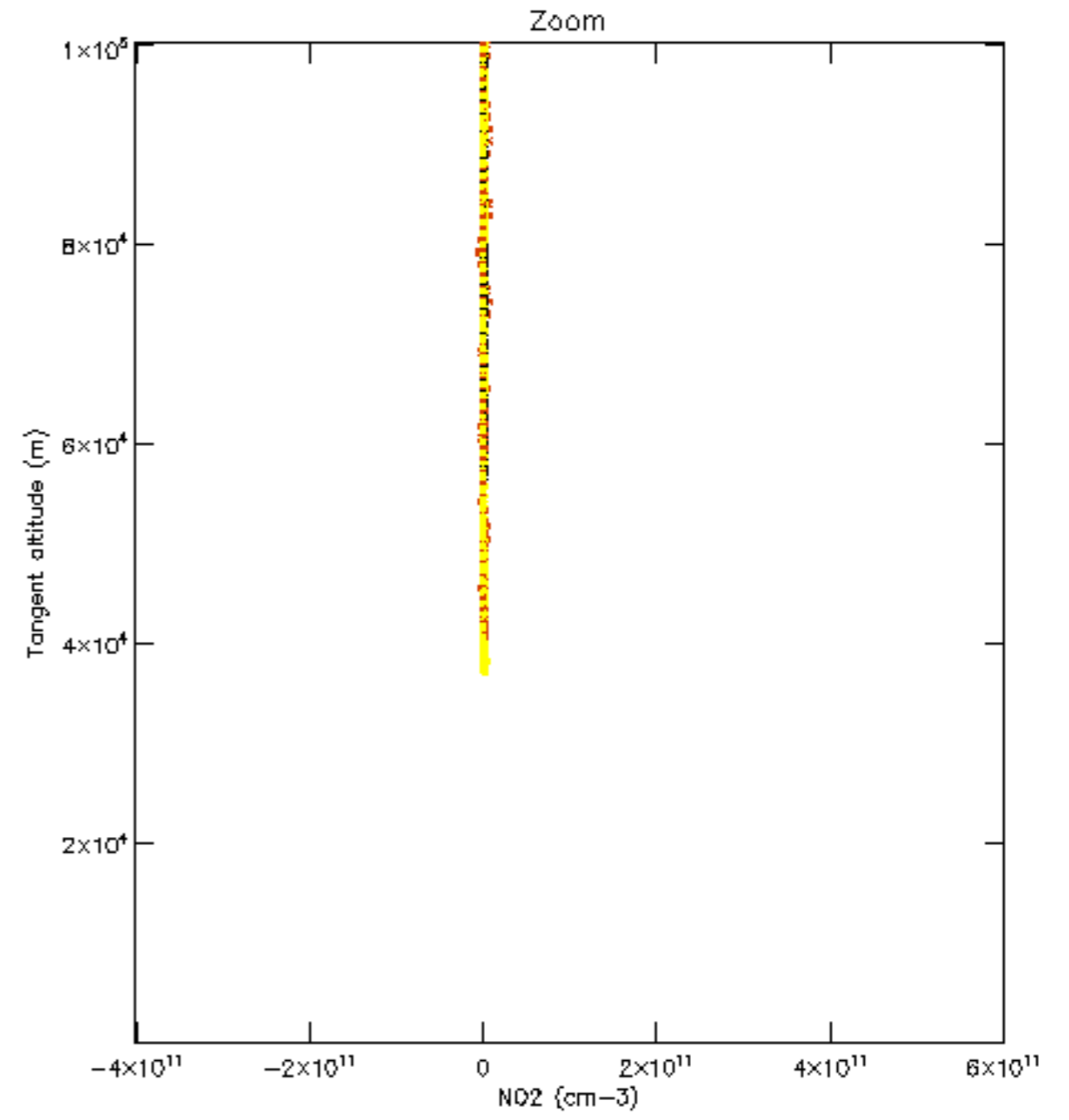
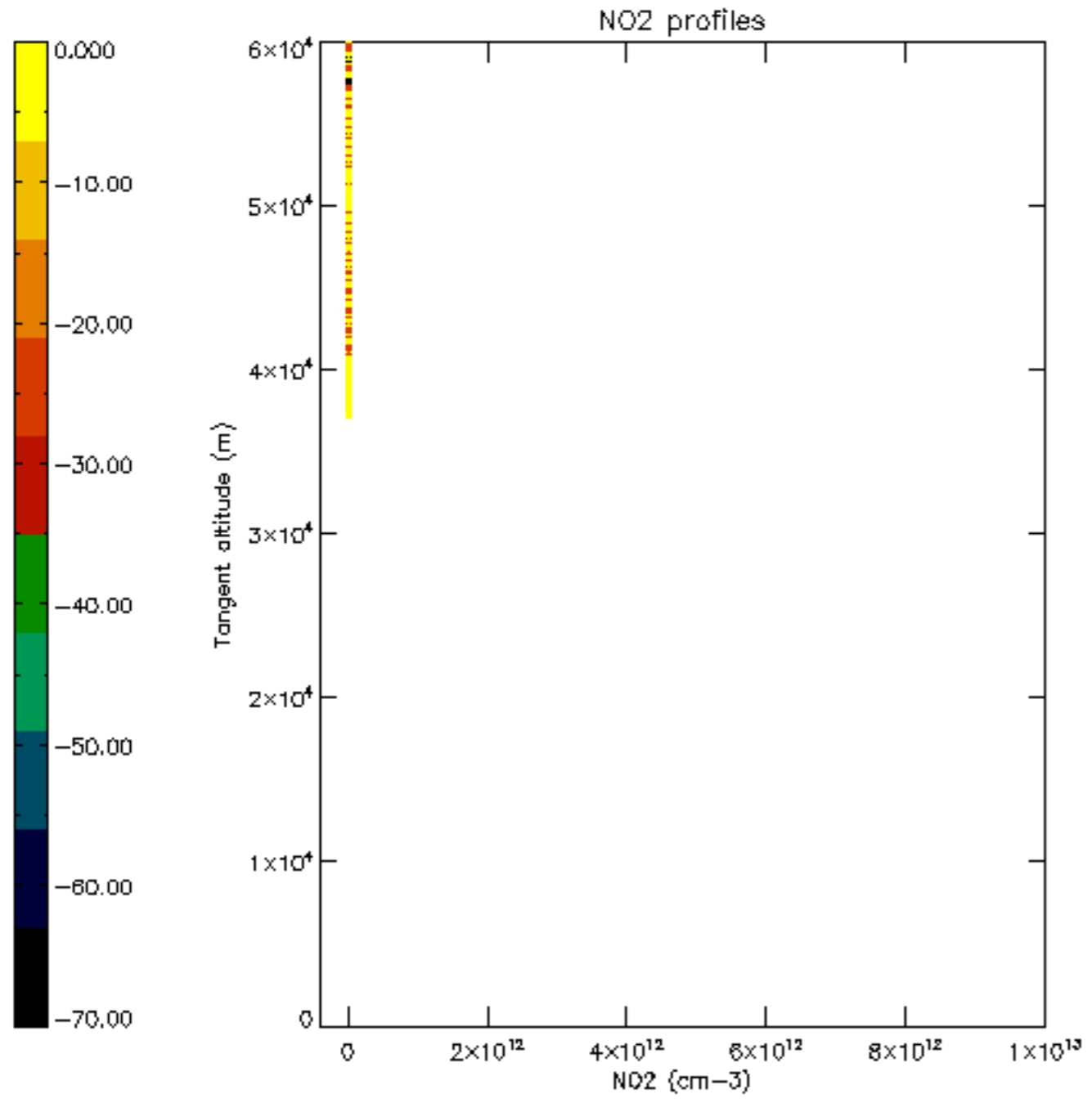


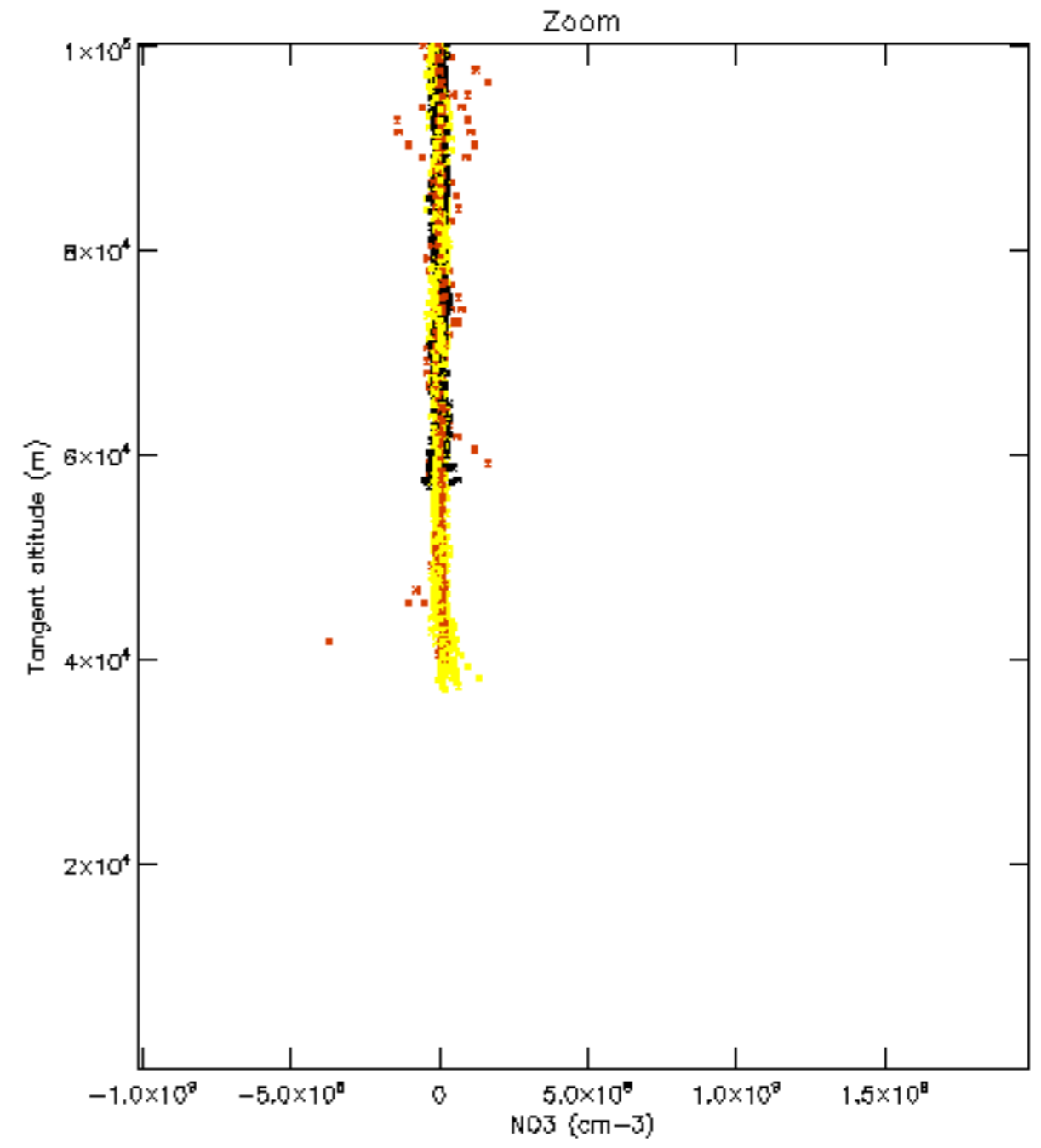
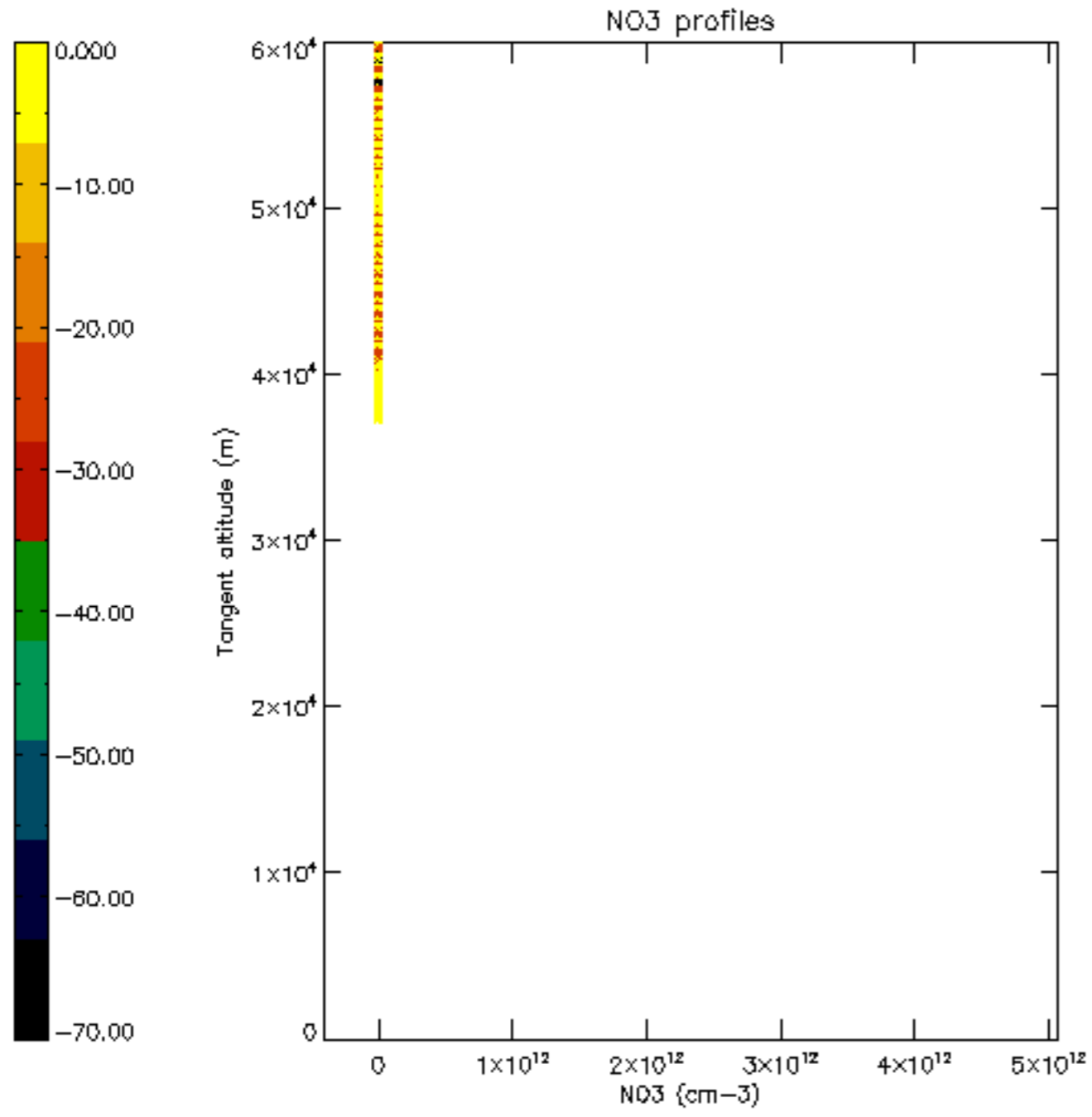


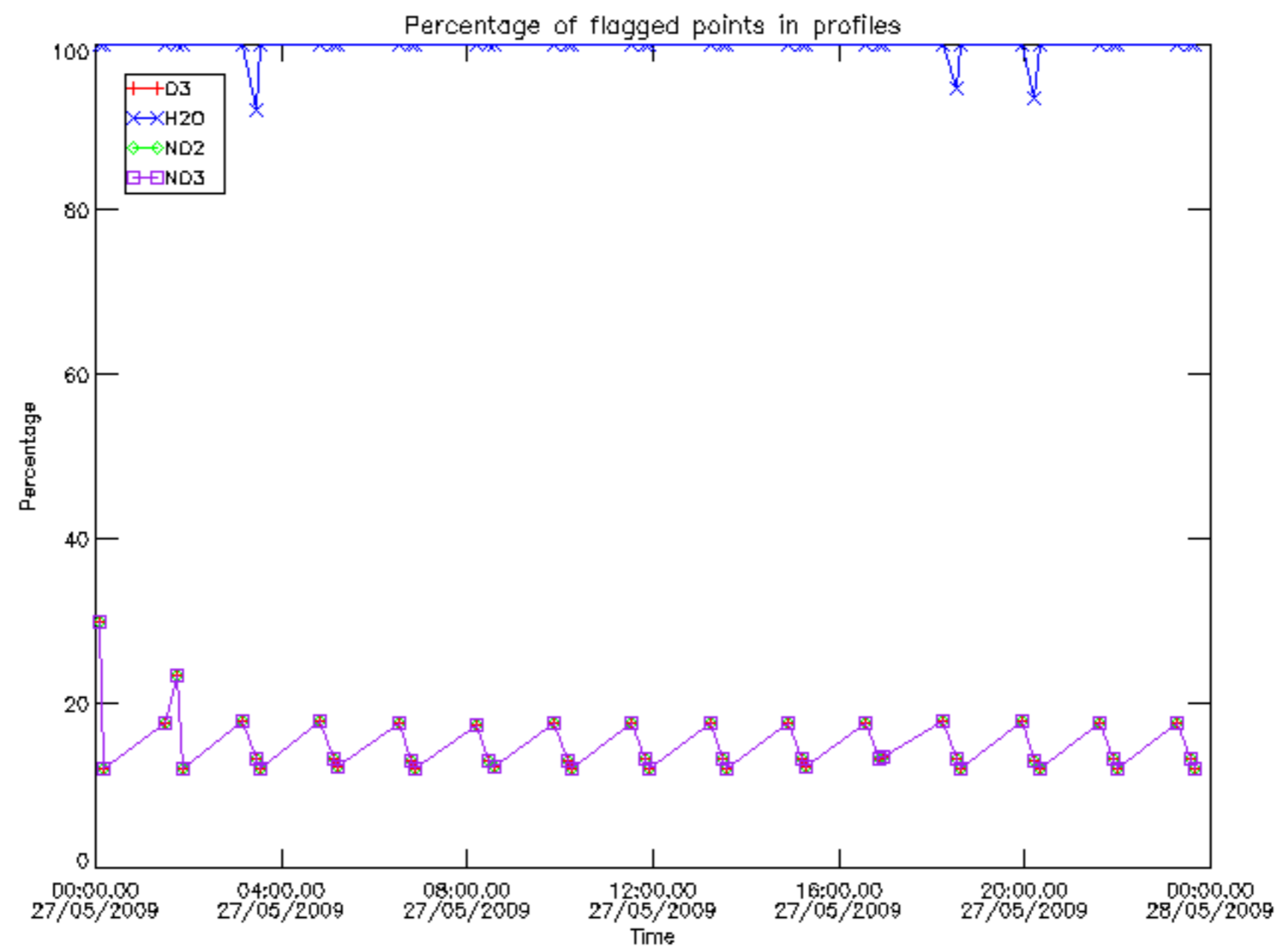




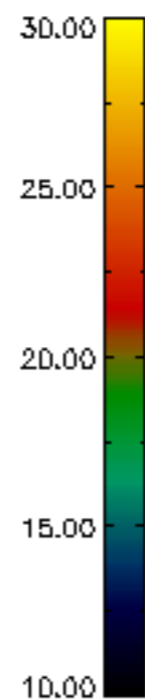
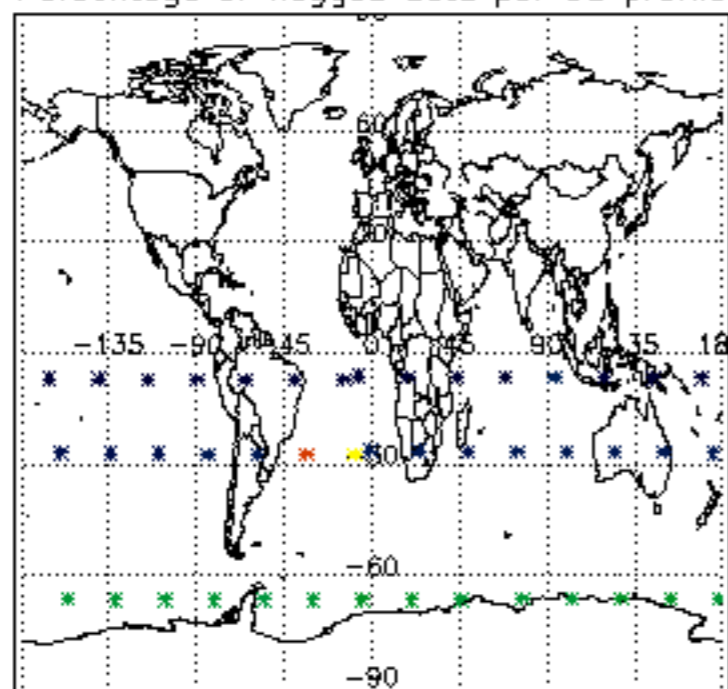




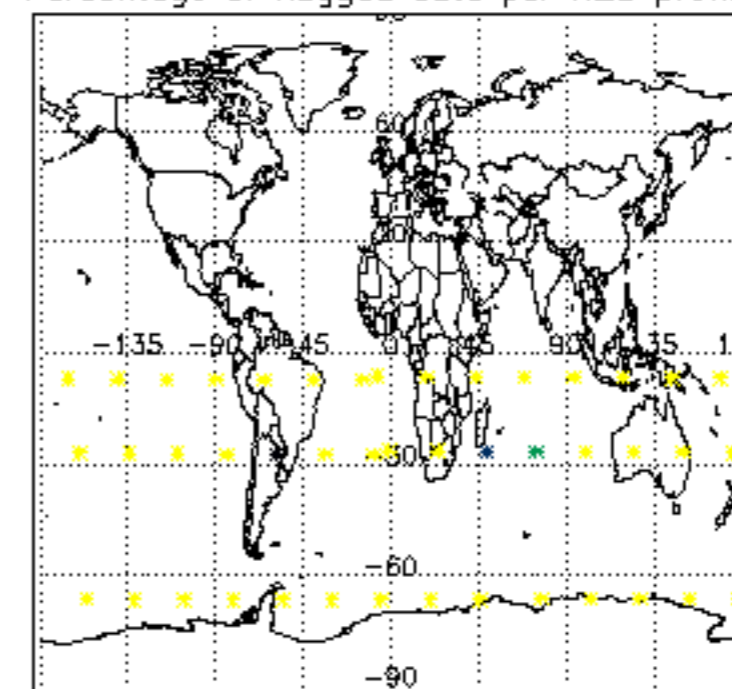




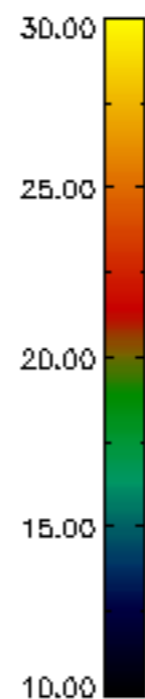
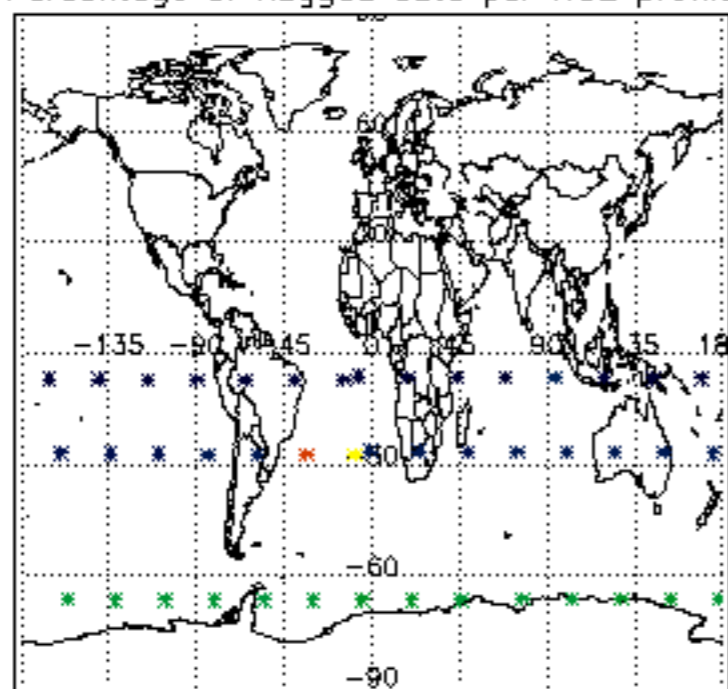
Percentage of flagged data per D3 profile



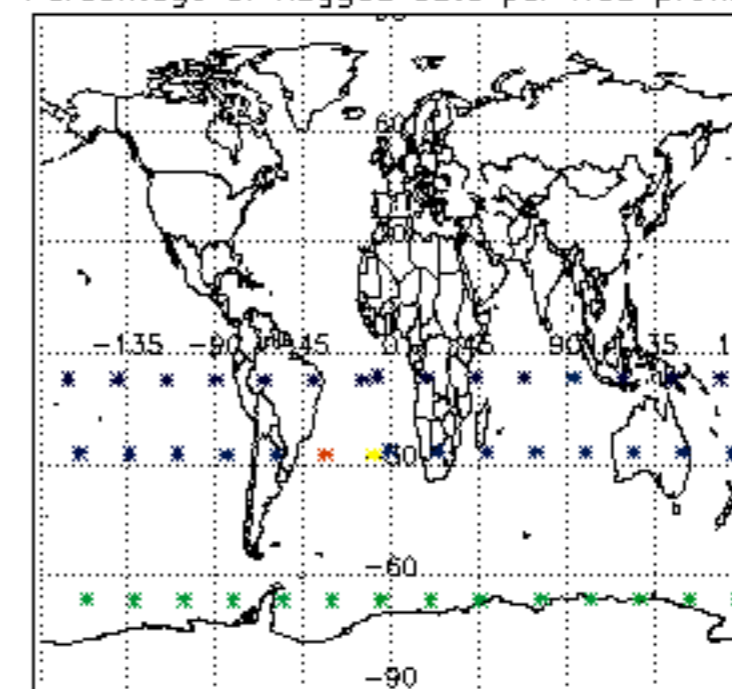
Percentage of flagged data per H2O profile



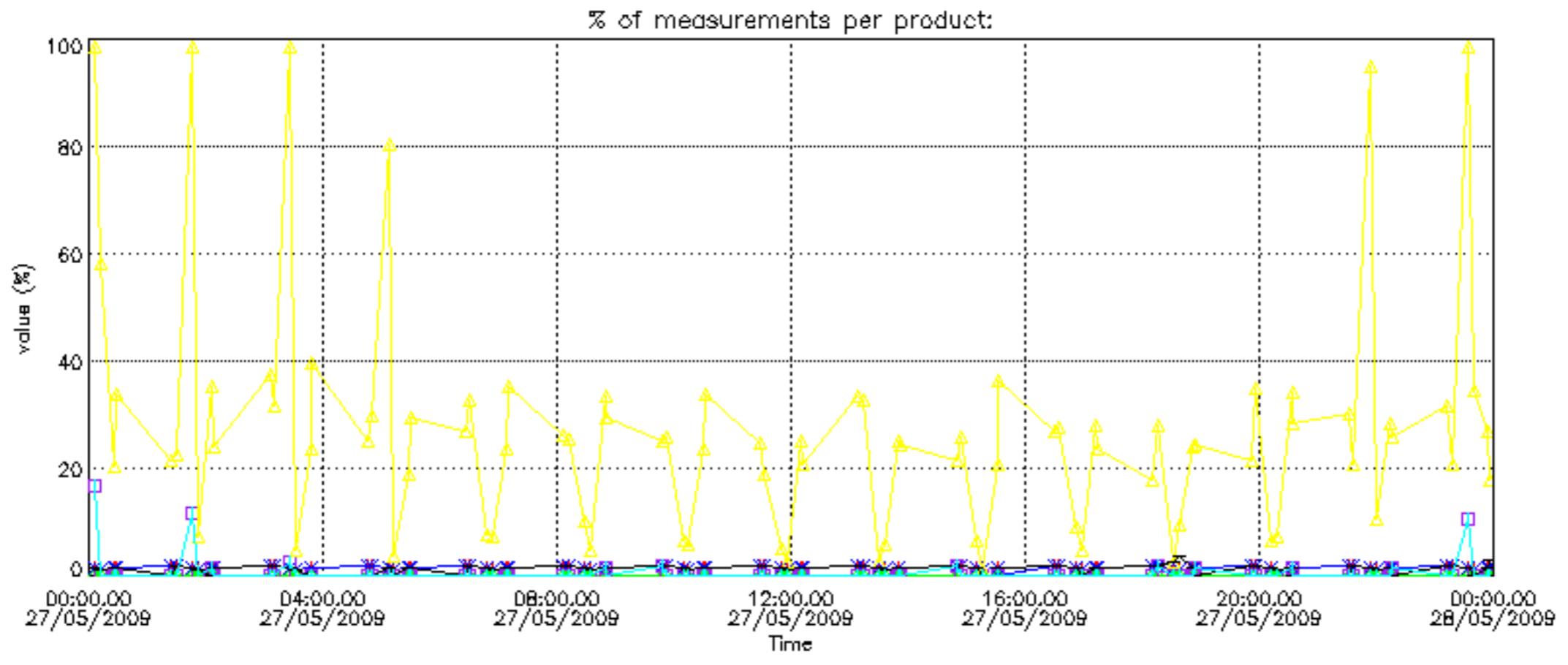
Percentage of flagged data per NO2 profile

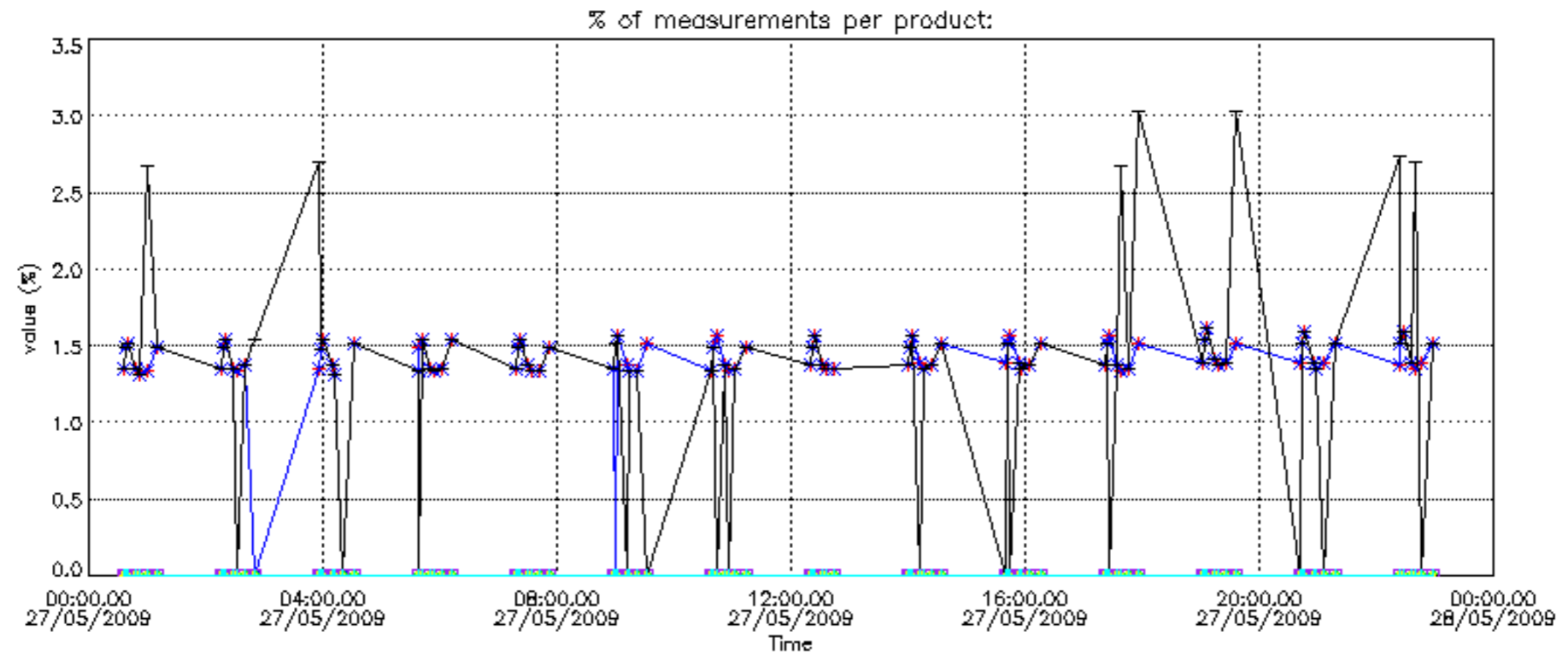


Percentage of flagged data per NO3 profile

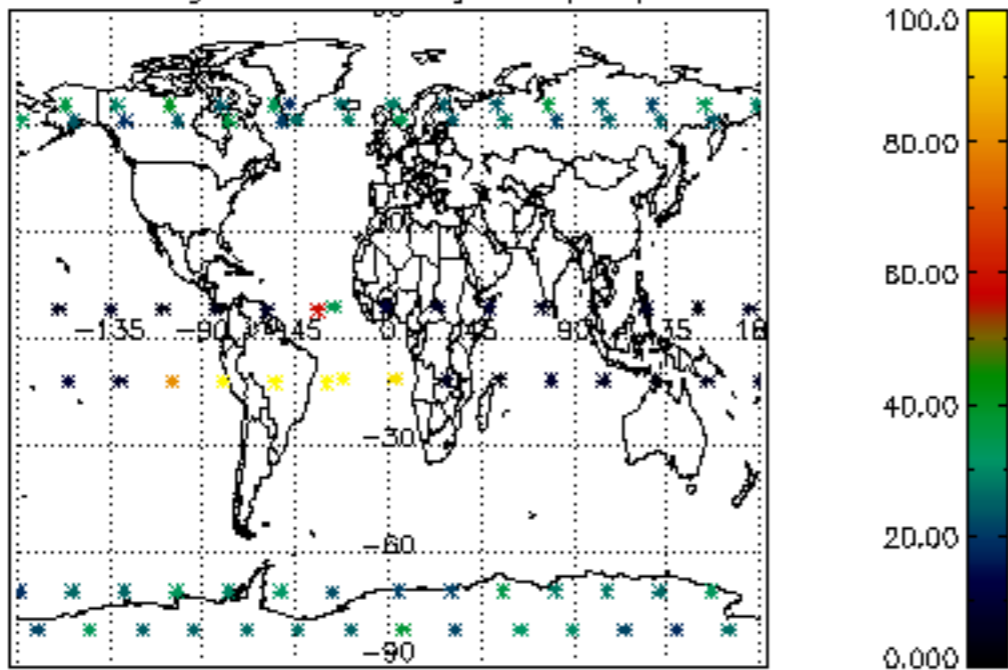




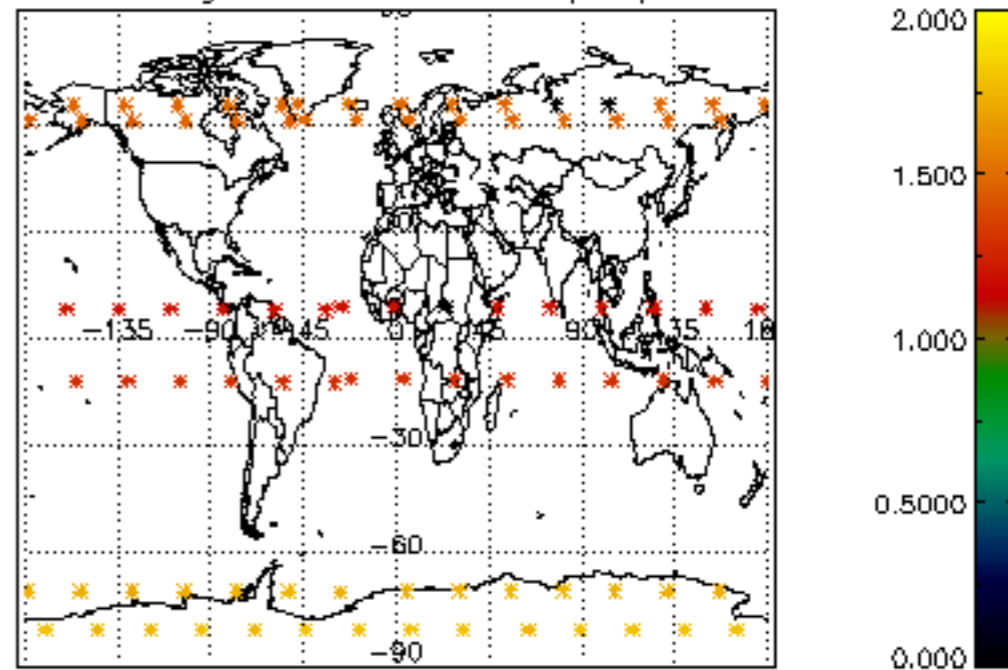




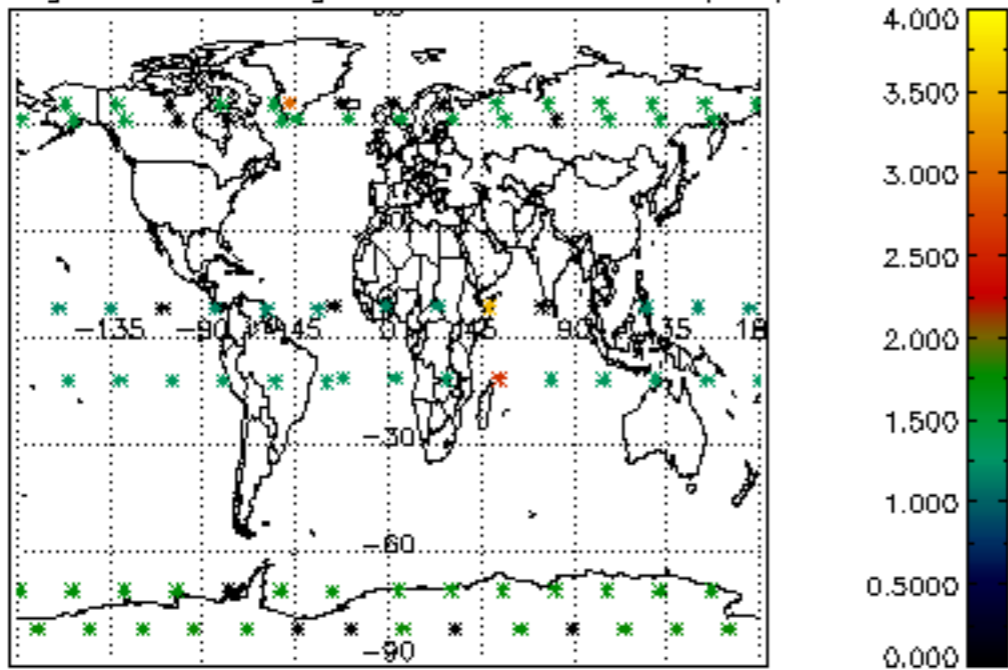
Percentage of cosmic ray hits per profile



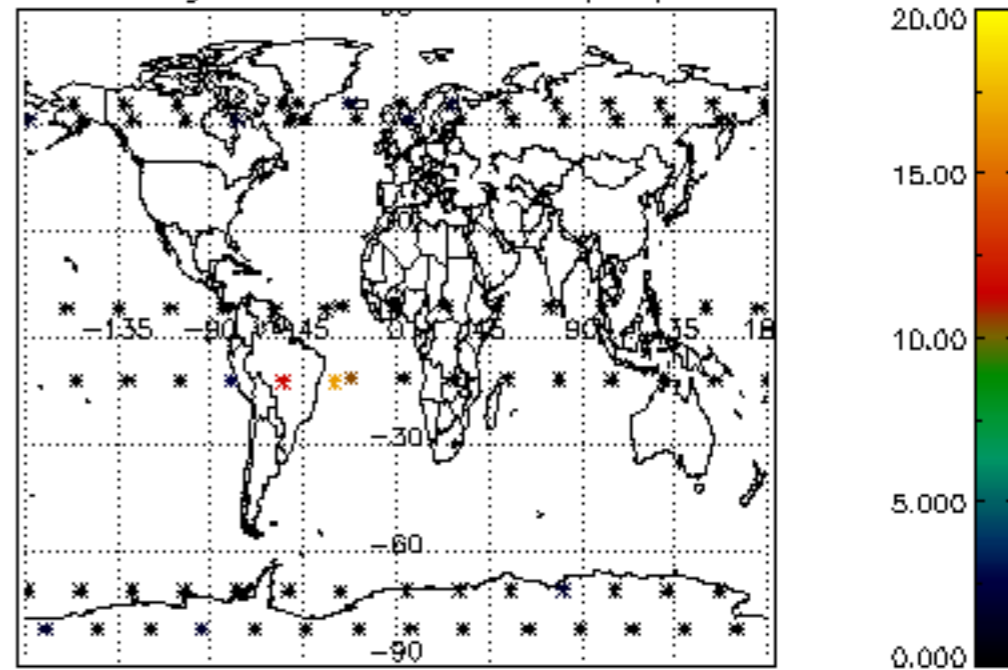
Percentage of datation errors per profile



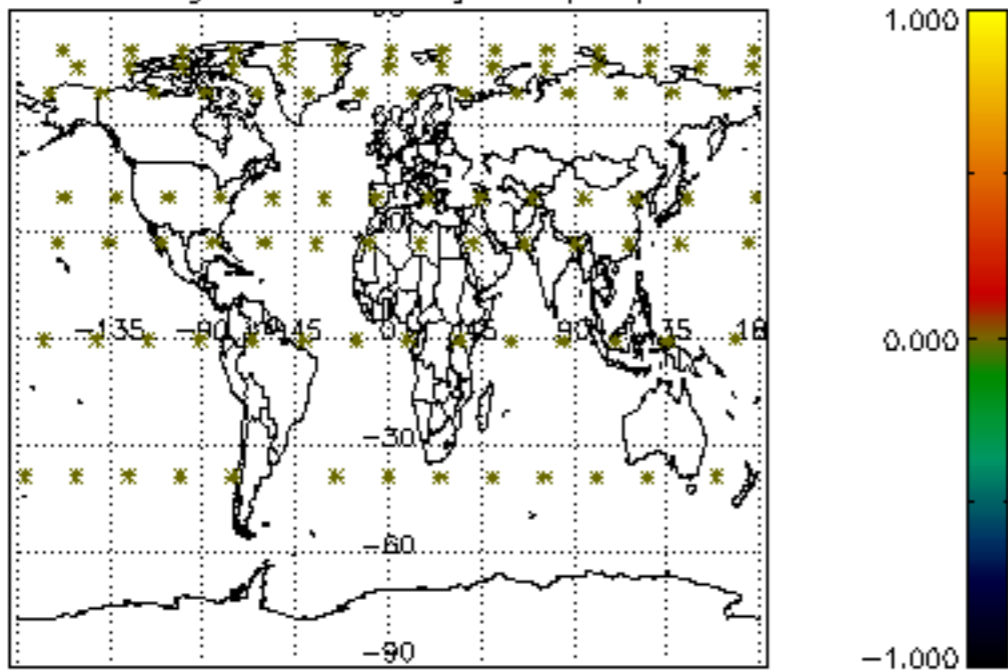
Percentage of star falling outside central band per profile



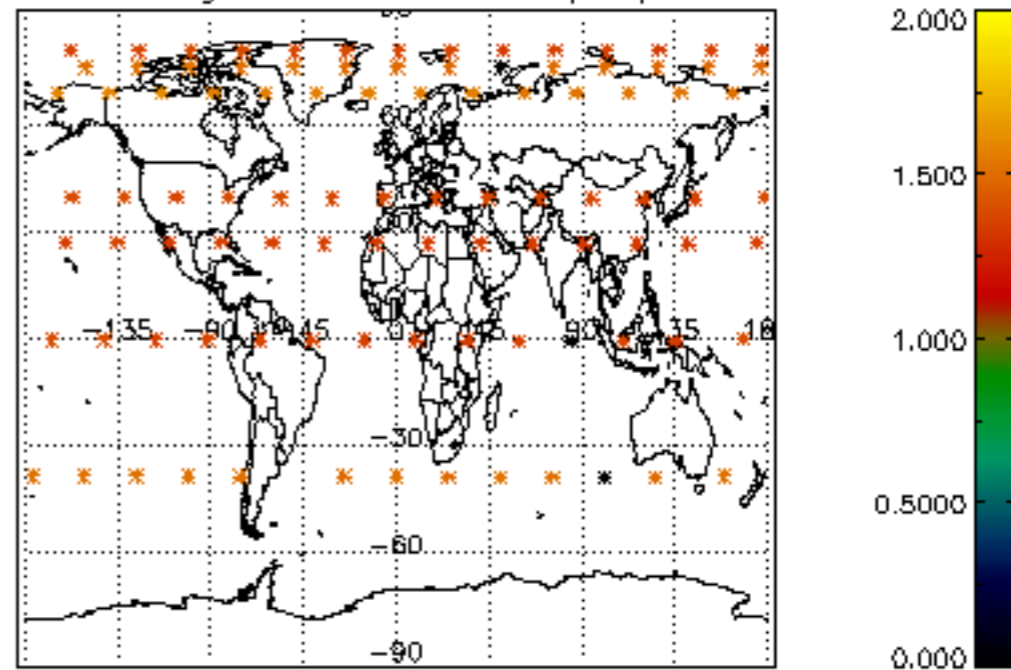
Percentage of saturation errors per profile



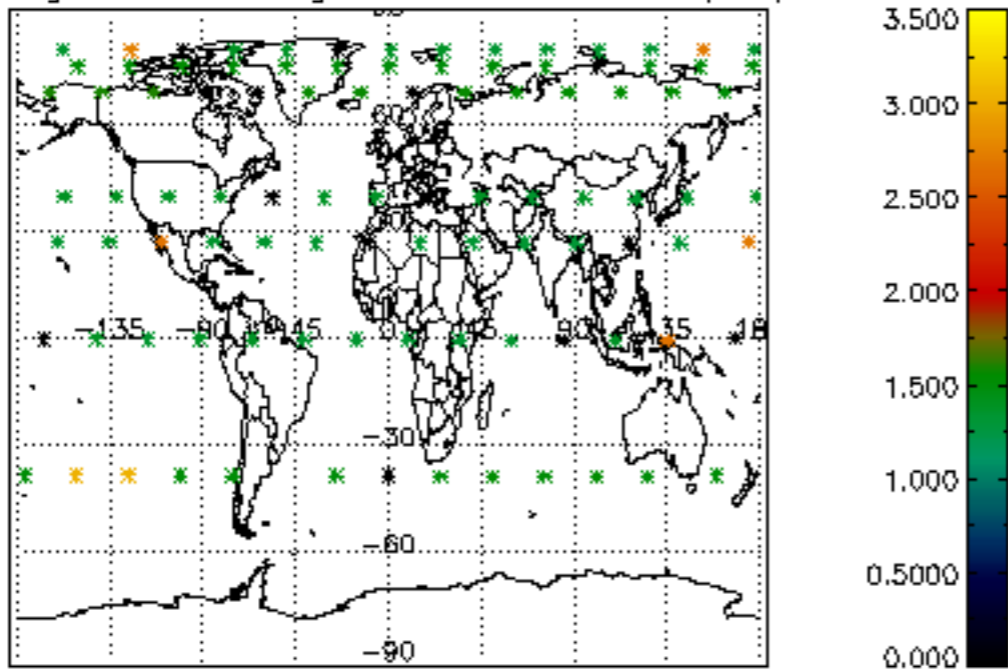
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

