

# 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 09:43:53
Data source version	GOMOS/6.01
Start time of products	24-05-2009 (24MAY2009 00:00:00)
Stop time of products	25-05-2009 (25MAY2009 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	187
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__2PRFIN20090524_000425_000000432079_00174_37803_7370.N1	24-MAY-2009 00:04:25	Dark	42.500	172	Gam Gru	3.0030	13100.	85	37803	No
2	GOM_NL__2PRFIN20090524_001953_000000372079_00174_37803_7371.N1	24-MAY-2009 00:19:53	Straylight	36.500	178	lot1Sco	3.0220	6550.0	73	37803	No
3	GOM_NL__2PRFIN20090524_002115_000000372079_00174_37803_7372.N1	24-MAY-2009 00:21:15	Straylight	36.500	25	35Lam Sco	1.6200	28000.	73	37803	No
4	GOM_NL__2PRFIN20090524_002925_000000412079_00174_37803_7373.N1	24-MAY-2009 00:29:25	Bright	41.000	86	35Eta Oph	2.4300	10200.	82	37803	No
5	GOM_NL__2PRFIN20090524_003125_000000382079_00174_37803_7374.N1	24-MAY-2009 00:31:25	Bright	37.500	98	13Zet Oph	2.5710	30000.	75	37803	No
6	GOM_NL__2PRFIN20090524_003343_000000362079_00174_37803_7375.N1	24-MAY-2009 00:33:43	Bright	35.500	120	1Del Oph	2.7340	3200.0	71	37803	No
7	GOM_NL__2PRFIN20090524_004241_000000412079_00174_37803_7376.N1	24-MAY-2009 00:42:41	Bright	40.500	127	27Bet Her	2.7810	4700.0	81	37803	No
8	GOM_NL__2PRFIN20090524_004622_000000422079_00174_37803_7377.N1	24-MAY-2009 00:46:22	Bright	42.000	133	40Zet Her	2.8070	6000.0	84	37803	No
9	GOM_NL__2PRFIN20090524_005517_000000432079_00174_37803_7378.N1	24-MAY-2009 00:55:17	Bright	42.500	69	33Gam Dra	2.2310	3800.0	85	37803	No
10	GOM_NL__2PRFIN20090524_010437_000000342079_00174_37803_7379.N1	24-MAY-2009 01:04:37	Bright	34.000	89	5Alp Cep	2.4510	8000.0	68	37803	No
11	GOM_NL__2PRFIN20090524_011838_000000292079_00174_37803_7380.N1	24-MAY-2009 01:18:38	Twilight_stray	28.500	58	21Alp And	2.0730	11000.	57	37803	No
12	GOM_NL__2PRFIN20090524_012307_000000282079_00174_37803_7381.N1	24-MAY-2009 01:23:07	Dark	28.000	140	88Gam Peg	2.8340	26000.	56	37803	No
13	GOM_NL__2PRFIN20090524_013929_000000392079_00174_37803_7382.N1	24-MAY-2009 01:39:29	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37803	No
14	GOM_NL__2PRFIN20090524_014502_000000432079_00175_37804_7385.N1	24-MAY-2009 01:45:02	Dark	42.500	172	Gam Gru	3.0030	13100.	85	37804	No
15	GOM_NL__2PRFIN20090524_020029_000000362079_00175_37804_7386.N1	24-MAY-2009 02:00:29	Straylight	36.000	178	lot1Sco	3.0220	6550.0	72	37804	No
16	GOM_NL__2PRFIN20090524_020152_000000372079_00175_37804_7387.N1	24-MAY-2009 02:01:52	Straylight	36.500	25	35Lam Sco	1.6200	28000.	73	37804	No
17	GOM_NL__2PRFIN20090524_021000_000000412079_00175_37804_7388.N1	24-MAY-2009 02:10:00	Bright	41.000	86	35Eta Oph	2.4300	10200.	82	37804	No
18	GOM_NL__2PRFIN20090524_021201_000000372079_00175_37804_7389.N1	24-MAY-2009 02:12:01	Bright	37.000	98	13Zet Oph	2.5710	30000.	74	37804	No
19	GOM_NL__2PRFIN20090524_021419_000000362079_00175_37804_7390.N1	24-MAY-2009 02:14:19	Bright	36.000	120	1Del Oph	2.7340	3200.0	72	37804	No
20	GOM_NL__2PRFIN20090524_022316_000000412079_00175_37804_7391.N1	24-MAY-2009 02:23:16	Bright	41.000	127	27Bet Her	2.7810	4700.0	82	37804	No
21	GOM_NL__2PRFIN20090524_022658_000000422079_00175_37804_7392.N1	24-MAY-2009 02:26:58	Bright	42.000	133	40Zet Her	2.8070	6000.0	84	37804	No
22	GOM_NL__2PRFIN20090524_023552_000000432079_00175_37804_7393.N1	24-MAY-2009 02:35:52	Bright	43.000	69	33Gam Dra	2.2310	3800.0	86	37804	No
23	GOM_NL__2PRFIN20090524_024512_000000352079_00175_37804_7394.N1	24-MAY-2009 02:45:12	Bright	34.500	89	5Alp Cep	2.4510	8000.0	69	37804	No
24	GOM_NL__2PRFIN20090524_025914_000000292079_00175_37804_7395.N1	24-MAY-2009 02:59:14	Twilight_stray	29.000	58	21Alp And	2.0730	11000.	58	37804	No
25	GOM_NL__2PRFIN20090524_030343_000000302079_00175_37804_7396.N1	24-MAY-2009 03:03:43	Dark	29.500	140	88Gam Peg	2.8340	26000.	59	37804	No
26	GOM_NL__2PRFIN20090524_032006_000000402079_00175_37804_7397.N1	24-MAY-2009 03:20:06	Dark	39.500	18	24Alp PsA	1.1660	9700.0	79	37804	No
27	GOM_NL__2PRFIN20090524_032539_000000432079_00176_37805_7399.N1	24-MAY-2009 03:25:39	Dark	43.000	172	Gam Gru	3.0030	13100.	86	37805	No
28	GOM_NL__2PRFIN20090524_034106_000000372079_00176_37805_7400.N1	24-MAY-2009 03:41:06	Straylight	36.500	178	lot1Sco	3.0220	6550.0	73	37805	No
29	GOM_NL__2PRFIN20090524_034228_000000372079_00176_37805_7401.N1	24-MAY-2009 03:42:28	Straylight	37.000	25	35Lam Sco	1.6200	28000.	74	37805	No
30	GOM_NL__2PRFIN20090524_035037_000000422079_00176_37805_7402.N1	24-MAY-2009 03:50:37	Bright	41.500	86	35Eta Oph	2.4300	10200.	83	37805	No
31	GOM_NL__2PRFIN20090524_035237_000000382079_00176_37805_7403.N1	24-MAY-2009 03:52:37	Bright	37.500	98	13Zet Oph	2.5710	30000.	75	37805	No
32	GOM_NL__2PRFIN20090524_035455_000000362079_00176_37805_7404.N1	24-MAY-2009 03:54:55	Bright	35.500	120	1Del Oph	2.7340	3200.0	71	37805	No
33	GOM_NL__2PRFIN20090524_040352_000000412079_00176_37805_7405.N1	24-MAY-2009 04:03:52	Bright	41.000	127	27Bet Her	2.7810	4700.0	82	37805	No
34	GOM_NL__2PRFIN20090524_040733_000000422079_00176_37805_7406.N1	24-MAY-2009 04:07:33	Bright	42.000	133	40Zet Her	2.8070	6000.0	84	37805	No
35	GOM_NL__2PRFIN20090524_041627_000000422079_00176_37805_7407.N1	24-MAY-2009 04:16:27	Bright	42.000	69	33Gam Dra	2.2310	3800.0	84	37805	No
36	GOM_NL__2PRFIN20090524_042548_000000352079_00176_37805_7408.N1	24-MAY-2009 04:25:48	Bright	34.500	89	5Alp Cep	2.4510	8000.0	69	37805	No
37	GOM_NL__2PRFIN20090524_043951_000000292079_00176_37805_7409.N1	24-MAY-2009 04:39:51	Twilight_stray	28.500	58	21Alp And	2.0730	11000.	57	37805	No
38	GOM_NL__2PRFIN20090524_044420_000000292079_00176_37805_7410.N1	24-MAY-2009 04:44:20	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37805	No
39	GOM_NL__2PRFIN20090524_050044_000000382079_00176_37805_7411.N1	24-MAY-2009 05:00:44	Dark	38.000	18	24Alp PsA	1.1660	9700.0	76	37805	No
40	GOM_NL__2PRFIN20090524_050617_000000422079_00177_37806_7413.N1	24-MAY-2009 05:06:17	Dark	42.000	172	Gam Gru	3.0030	13100.	84	37806	No
41	GOM_NL__2PRFIN20090524_052142_000000362079_00177_37806_7414.N1	24-MAY-2009 05:21:42	Straylight	36.000	178	lot1Sco	3.0220	6550.0	72	37806	No
42	GOM_NL__2PRFIN20090524_052304_000000362079_00177_37806_7415.N1	24-MAY-2009 05:23:04	Straylight	36.000	25	35Lam Sco	1.6200	28000.	72	37806	No

43	GOM_NL__2PRFIN20090524_053113_000000402079_00177_37806_7416.N1	24-MAY-2009 05:31:13	Bright	40.000	86	35Eta Oph	2.4300	10200.	80	37806	No
44	GOM_NL__2PRFIN20090524_053313_000000362079_00177_37806_7417.N1	24-MAY-2009 05:33:13	Bright	36.000	98	13Zet Oph	2.5710	30000.	72	37806	No
45	GOM_NL__2PRFIN20090524_053531_000000352079_00177_37806_7418.N1	24-MAY-2009 05:35:31	Bright	34.500	120	1Del Oph	2.7340	3200.0	69	37806	No
46	GOM_NL__2PRFIN20090524_054427_000000402079_00177_37806_7419.N1	24-MAY-2009 05:44:27	Bright	39.500	127	27Bet Her	2.7810	4700.0	79	37806	No
47	GOM_NL__2PRFIN20090524_054808_000000412079_00177_37806_7420.N1	24-MAY-2009 05:48:08	Bright	41.000	133	40Zet Her	2.8070	6000.0	82	37806	No
48	GOM_NL__2PRFIN20090524_055549_000000392079_00177_37806_7421.N1	24-MAY-2009 05:55:49	Bright	38.500	130	23Bet Dra	2.7990	5800.0	77	37806	No
49	GOM_NL__2PRFIN20090524_060623_000000342079_00177_37806_7422.N1	24-MAY-2009 06:06:23	Bright	33.500	89	5Alp Cep	2.4510	8000.0	67	37806	No
50	GOM_NL__2PRFIN20090524_062027_000000282079_00177_37806_7423.N1	24-MAY-2009 06:20:27	Twilight	28.000	58	21Alp And	2.0730	11000.	56	37806	No
51	GOM_NL__2PRFIN20090524_062456_000000292079_00177_37806_7424.N1	24-MAY-2009 06:24:56	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37806	No
52	GOM_NL__2PRFIN20090524_064121_000000382079_00177_37806_7425.N1	24-MAY-2009 06:41:21	Dark	38.000	18	24Alp PsA	1.1660	9700.0	76	37806	No
53	GOM_NL__2PRFIN20090524_064654_000000422079_00178_37807_7428.N1	24-MAY-2009 06:46:54	Dark	41.500	172	Gam Gru	3.0030	13100.	83	37807	No
54	GOM_NL__2PRFIN20090524_070219_000000362079_00178_37807_7429.N1	24-MAY-2009 07:02:19	Straylight	35.500	178	lot1Sco	3.0220	6550.0	71	37807	No
55	GOM_NL__2PRFIN20090524_070341_000000362079_00178_37807_7430.N1	24-MAY-2009 07:03:41	Straylight	35.500	25	35Lam Sco	1.6200	28000.	71	37807	No
56	GOM_NL__2PRFIN20090524_071149_000000422079_00178_37807_7431.N1	24-MAY-2009 07:11:49	Bright	41.500	86	35Eta Oph	2.4300	10200.	83	37807	No
57	GOM_NL__2PRFIN20090524_071349_000000372079_00178_37807_7432.N1	24-MAY-2009 07:13:49	Bright	36.500	98	13Zet Oph	2.5710	30000.	73	37807	No
58	GOM_NL__2PRFIN20090524_071607_000000362079_00178_37807_7433.N1	24-MAY-2009 07:16:07	Bright	35.500	120	1Del Oph	2.7340	3200.0	71	37807	No
59	GOM_NL__2PRFIN20090524_072503_000000402079_00178_37807_7434.N1	24-MAY-2009 07:25:03	Bright	40.000	127	27Bet Her	2.7810	4700.0	80	37807	No
60	GOM_NL__2PRFIN20090524_072843_000000412079_00178_37807_7435.N1	24-MAY-2009 07:28:43	Bright	41.000	133	40Zet Her	2.8070	6000.0	82	37807	No
61	GOM_NL__2PRFIN20090524_073624_000000392079_00178_37807_7436.N1	24-MAY-2009 07:36:24	Bright	38.500	130	23Bet Dra	2.7990	5800.0	77	37807	No
62	GOM_NL__2PRFIN20090524_074659_000000332079_00178_37807_7437.N1	24-MAY-2009 07:46:59	Bright	33.000	89	5Alp Cep	2.4510	8000.0	66	37807	No
63	GOM_NL__2PRFIN20090524_080103_000000292079_00178_37807_7438.N1	24-MAY-2009 08:01:03	Twilight	29.000	58	21Alp And	2.0730	11000.	58	37807	No
64	GOM_NL__2PRFIN20090524_080532_000000292079_00178_37807_7439.N1	24-MAY-2009 08:05:32	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37807	No
65	GOM_NL__2PRFIN20090524_082157_000000392079_00178_37807_7440.N1	24-MAY-2009 08:21:57	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37807	No
66	GOM_NL__2PRFIN20090524_082731_000000432079_00179_37808_7462.N1	24-MAY-2009 08:27:31	Dark	42.500	172	Gam Gru	3.0030	13100.	85	37808	No
67	GOM_NL__2PRFIN20090524_084255_000000362079_00179_37808_7463.N1	24-MAY-2009 08:42:55	Straylight	36.000	178	lot1Sco	3.0220	6550.0	72	37808	No
68	GOM_NL__2PRFIN20090524_084417_000000362079_00179_37808_7464.N1	24-MAY-2009 08:44:17	Straylight	36.000	25	35Lam Sco	1.6200	28000.	72	37808	No
69	GOM_NL__2PRFIN20090524_085225_000000402079_00179_37808_7465.N1	24-MAY-2009 08:52:25	Bright	40.000	86	35Eta Oph	2.4300	10200.	80	37808	No
70	GOM_NL__2PRFIN20090524_085425_000000362079_00179_37808_7466.N1	24-MAY-2009 08:54:25	Bright	35.500	98	13Zet Oph	2.5710	30000.	71	37808	No
71	GOM_NL__2PRFIN20090524_085643_000000352079_00179_37808_7467.N1	24-MAY-2009 08:56:43	Bright	35.000	120	1Del Oph	2.7340	3200.0	70	37808	No
72	GOM_NL__2PRFIN20090524_090538_000000402079_00179_37808_7468.N1	24-MAY-2009 09:05:38	Bright	40.000	127	27Bet Her	2.7810	4700.0	80	37808	No
73	GOM_NL__2PRFIN20090524_090919_000000412079_00179_37808_7469.N1	24-MAY-2009 09:09:19	Bright	40.500	133	40Zet Her	2.8070	6000.0	81	37808	No
74	GOM_NL__2PRFIN20090524_091659_000000392079_00179_37808_7470.N1	24-MAY-2009 09:16:59	Bright	39.000	130	23Bet Dra	2.7990	5800.0	78	37808	No
75	GOM_NL__2PRFIN20090524_092734_000000342079_00179_37808_7471.N1	24-MAY-2009 09:27:34	Bright	33.500	89	5Alp Cep	2.4510	8000.0	67	37808	No
76	GOM_NL__2PRFIN20090524_094139_000000282079_00179_37808_7472.N1	24-MAY-2009 09:41:39	Twilight	28.000	58	21Alp And	2.0730	11000.	56	37808	No
77	GOM_NL__2PRFIN20090524_094609_000000292079_00179_37808_7473.N1	24-MAY-2009 09:46:09	Dark	28.500	140	88Gam Peg	2.8340	26000.	57	37808	No
78	GOM_NL__2PRFIN20090524_100234_000000392079_00179_37808_7474.N1	24-MAY-2009 10:02:34	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37808	No
79	GOM_NL__2PRFIN20090524_100808_000000422079_00180_37809_7476.N1	24-MAY-2009 10:08:08	Dark	41.500	172	Gam Gru	3.0030	13100.	83	37809	No
80	GOM_NL__2PRFIN20090524_102332_000000362079_00180_37809_7477.N1	24-MAY-2009 10:23:32	Straylight	36.000	178	lot1Sco	3.0220	6550.0	72	37809	No
81	GOM_NL__2PRFIN20090524_102454_000000362079_00180_37809_7478.N1	24-MAY-2009 10:24:54	Straylight	36.000	25	35Lam Sco	1.6200	28000.	72	37809	No
82	GOM_NL__2PRFIN20090524_103301_000000402079_00180_37809_7479.N1	24-MAY-2009 10:33:01	Bright	40.000	86	35Eta Oph	2.4300	10200.	80	37809	No
83	GOM_NL__2PRFIN20090524_103501_000000362079_00180_37809_7480.N1	24-MAY-2009 10:35:01	Bright	35.500	98	13Zet Oph	2.5710	30000.	71	37809	No
84	GOM_NL__2PRFIN20090524_103719_000000342079_00180_37809_7481.N1	24-MAY-2009 10:37:19	Bright	34.000	120	1Del Oph	2.7340	3200.0	68	37809	No
85	GOM_NL__2PRFIN20090524_104613_000000392079_00180_37809_7482.N1	24-MAY-2009 10:46:13	Bright	39.000	127	27Bet Her	2.7810	4700.0	78	37809	No
86	GOM_NL__2PRFIN20090524_104954_000000402079_00180_37809_7483.N1	24-MAY-2009 10:49:54	Bright	40.000	133	40Zet Her	2.8070	6000.0	80	37809	No
87	GOM_NL__2PRFIN20090524_105734_000000392079_00180_37809_7484.N1	24-MAY-2009 10:57:34	Bright	38.500	130	23Bet Dra	2.7990	5800.0	77	37809	No
88	GOM_NL__2PRFIN20090524_110809_000000332079_00180_37809_7485.N1	24-MAY-2009 11:08:09	Bright	33.000	89	5Alp Cep	2.4510	8000.0	66	37809	No
89	GOM_NL__2PRFIN20090524_112215_000000282079_00180_37809_7486.N1	24-MAY-2009 11:22:15	Twilight	28.000	58	21Alp And	2.0730	11000.	56	37809	No
90	GOM_NL__2PRFIN20090524_112645_000000292079_00180_37809_7487.N1	24-MAY-2009 11:26:45	Dark	28.500	140	88Gam Peg	2.8340	26000.	57	37809	No
91	GOM_NL__2PRFIN20090524_114311_000000382079_00180_37809_7488.N1	24-MAY-2009 11:43:11	Dark	38.000	18	24Alp PsA	1.1660	9700.0	76	37809	No
92	GOM_NL__2PRFIN20090524_114845_000000422079_00181_37810_7489.N1	24-MAY-2009 11:48:45	Dark	41.500	172	Gam Gru	3.0030	13100.	83	37810	No
93	GOM_NL__2PRFIN20090524_120408_000000372079_00181_37810_7490.N1	24-MAY-2009 12:04:08	Straylight	36.500	178	lot1Sco	3.0220	6550.0	73	37810	No
94	GOM_NL__2PRFIN20090524_120530_000000362079_00181_37810_7491.N1	24-MAY-2009 12:05:30	Straylight	36.000	25	35Lam Sco	1.6200	28000.	72	37810	No
95	GOM_NL__2PRFIN20090524_121337_000000402079_00181_37810_7492.N1	24-MAY-2009 12:13:37	Bright	40.000	86	35Eta Oph	2.4300	10200.	80	37810	No
96	GOM_NL__2PRFIN20090524_121537_000000372079_00181_37810_7493.N1	24-MAY-2009 12:15:37	Bright	36.500	98	13Zet Oph	2.5710	30000.	73	37810	No
97	GOM_NL__2PRFIN20090524_121755_000000352079_00181_37810_7494.N1	24-MAY-2009 12:17:55	Bright	34.500	120	1Del Oph	2.7340	3200.0	69	37810	No
98	GOM_NL__2PRFIN20090524_122648_000000392079_00181_37810_7495.N1	24-MAY-2009 12:26:48	Bright	39.000	127	27Bet Her	2.7810	4700.0	78	37810	No
99	GOM_NL__2PRFIN20090524_123029_000000412079_00181_37810_7496.N1	24-MAY-2009 12:30:29	Bright	40.500	133	40Zet Her	2.8070	6000.0	81	37810	No
100	GOM_NL__2PRFIN20090524_123809_000000392079_00181_37810_7497.N1	24-MAY-2009 12:38:09	Bright	38.500	130	23Bet Dra	2.7990	5800.0	77	37810	No
101	GOM_NL__2PRFIN20090524_124845_000000332079_00181_37810_7498.N1	24-MAY-2009 12:48:45	Bright	33.000	89	5Alp Cep	2.4510	8000.0	66	37810	No

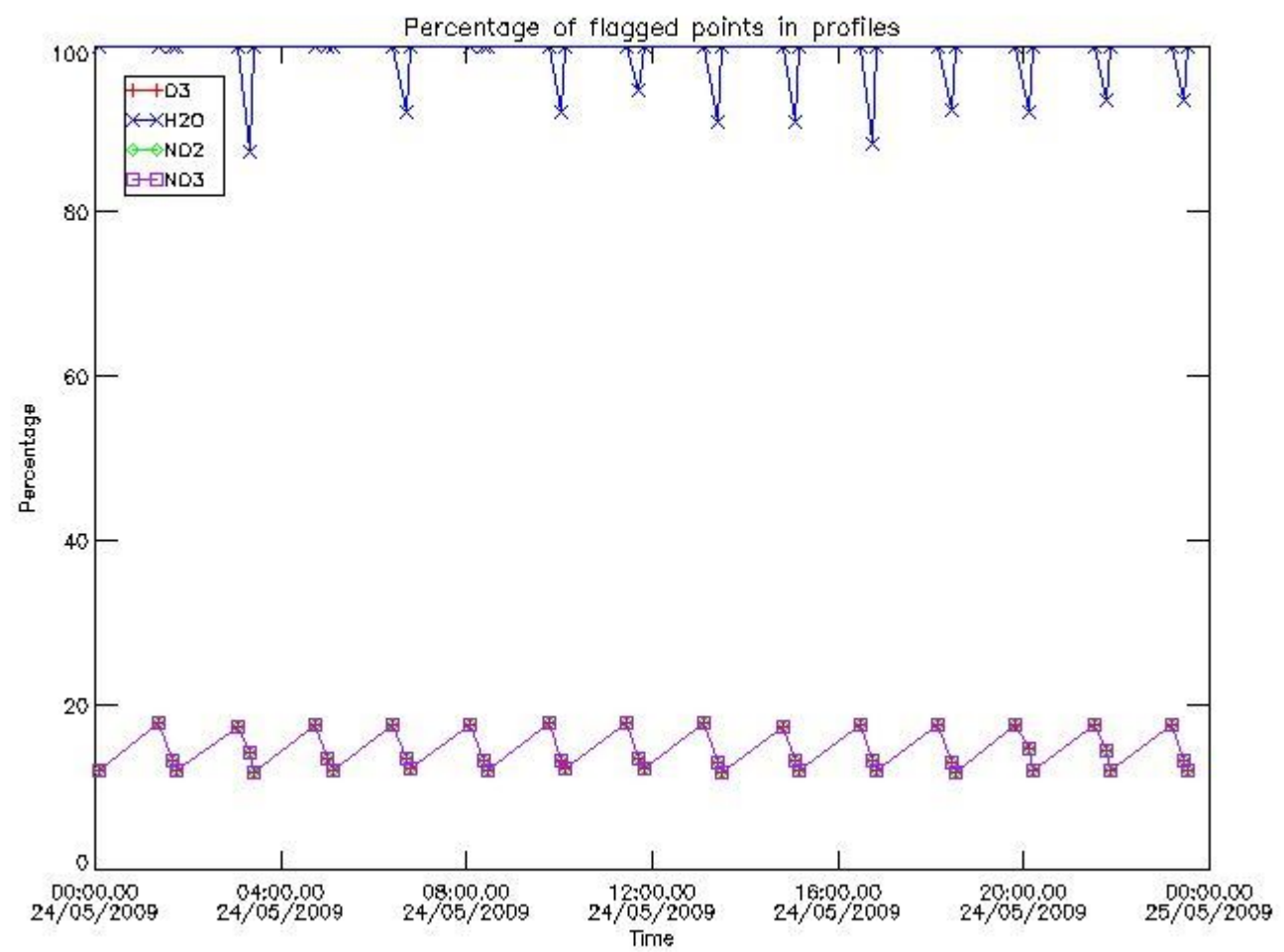
102	GOM_NL__2PRFIN20090524_130251_000000282079_00181_37810_7499.N1	24-MAY-2009 13:02:51	Twilight	28.000	58	21Alp And	2.0730	11000.	56	37810	No
103	GOM_NL__2PRFIN20090524_130721_000000292079_00181_37810_7500.N1	24-MAY-2009 13:07:21	Dark	28.500	140	88Gam Peg	2.8340	26000.	57	37810	No
104	GOM_NL__2PRFIN20090524_132348_000000392079_00181_37810_7501.N1	24-MAY-2009 13:23:48	Dark	39.000	18	24Alp PsA	1.1660	9700.0	78	37810	No
105	GOM_NL__2PRFIN20090524_132922_000000432079_00182_37811_7504.N1	24-MAY-2009 13:29:22	Dark	43.000	172	Gam Gru	3.0030	13100.	86	37811	No
106	GOM_NL__2PRFIN20090524_134445_000000362079_00182_37811_7505.N1	24-MAY-2009 13:44:45	Straylight	36.000	178	lot1Sco	3.0220	6550.0	72	37811	No
107	GOM_NL__2PRFIN20090524_134607_000000362079_00182_37811_7506.N1	24-MAY-2009 13:46:07	Straylight	35.500	25	35Lam Sco	1.6200	28000.	71	37811	No
108	GOM_NL__2PRFIN20090524_135413_000000412079_00182_37811_7507.N1	24-MAY-2009 13:54:13	Bright	40.500	86	35Eta Oph	2.4300	10200.	81	37811	No
109	GOM_NL__2PRFIN20090524_135612_000000372079_00182_37811_7508.N1	24-MAY-2009 13:56:12	Bright	36.500	98	13Zet Oph	2.5710	30000.	73	37811	No
110	GOM_NL__2PRFIN20090524_135830_000000352079_00182_37811_7509.N1	24-MAY-2009 13:58:30	Bright	35.000	120	1Del Oph	2.7340	3200.0	70	37811	No
111	GOM_NL__2PRFIN20090524_140724_000000402079_00182_37811_7510.N1	24-MAY-2009 14:07:24	Bright	39.500	127	27Bet Her	2.7810	4700.0	79	37811	No
112	GOM_NL__2PRFIN20090524_141104_000000412079_00182_37811_7511.N1	24-MAY-2009 14:11:04	Bright	40.500	133	40Zet Her	2.8070	6000.0	81	37811	No
113	GOM_NL__2PRFIN20090524_141844_000000392079_00182_37811_7512.N1	24-MAY-2009 14:18:44	Bright	39.000	130	23Bet Dra	2.7990	5800.0	78	37811	No
114	GOM_NL__2PRFIN20090524_142920_000000342079_00182_37811_7513.N1	24-MAY-2009 14:29:20	Bright	34.000	89	5Alp Cep	2.4510	8000.0	68	37811	No
115	GOM_NL__2PRFIN20090524_144327_000000292079_00182_37811_7514.N1	24-MAY-2009 14:43:27	Twilight	29.000	58	21Alp And	2.0730	11000.	58	37811	No
116	GOM_NL__2PRFIN20090524_144757_000000302079_00182_37811_7515.N1	24-MAY-2009 14:47:57	Dark	29.500	140	88Gam Peg	2.8340	26000.	59	37811	No
117	GOM_NL__2PRFIN20090524_150425_000000392079_00182_37811_7516.N1	24-MAY-2009 15:04:25	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37811	No
118	GOM_NL__2PRFIN20090524_151000_000000432079_00183_37812_7518.N1	24-MAY-2009 15:10:00	Dark	42.500	172	Gam Gru	3.0030	13100.	85	37812	No
119	GOM_NL__2PRFIN20090524_152521_000000372079_00183_37812_7519.N1	24-MAY-2009 15:25:21	Straylight	36.500	178	lot1Sco	3.0220	6550.0	73	37812	No
120	GOM_NL__2PRFIN20090524_152643_000000362079_00183_37812_7520.N1	24-MAY-2009 15:26:43	Straylight	35.500	25	35Lam Sco	1.6200	28000.	71	37812	No
121	GOM_NL__2PRFIN20090524_153449_000000402079_00183_37812_7521.N1	24-MAY-2009 15:34:49	Bright	40.000	86	35Eta Oph	2.4300	10200.	80	37812	No
122	GOM_NL__2PRFIN20090524_153648_000000362079_00183_37812_7522.N1	24-MAY-2009 15:36:48	Bright	36.000	98	13Zet Oph	2.5710	30000.	72	37812	No
123	GOM_NL__2PRFIN20090524_153906_000000352079_00183_37812_7523.N1	24-MAY-2009 15:39:06	Bright	35.000	120	1Del Oph	2.7340	3200.0	70	37812	No
124	GOM_NL__2PRFIN20090524_154759_000000402079_00183_37812_7524.N1	24-MAY-2009 15:47:59	Bright	40.000	127	27Bet Her	2.7810	4700.0	80	37812	No
125	GOM_NL__2PRFIN20090524_155139_000000412079_00183_37812_7525.N1	24-MAY-2009 15:51:39	Bright	41.000	133	40Zet Her	2.8070	6000.0	82	37812	No
126	GOM_NL__2PRFIN20090524_155919_000000392079_00183_37812_7526.N1	24-MAY-2009 15:59:19	Bright	39.000	130	23Bet Dra	2.7990	5800.0	78	37812	No
127	GOM_NL__2PRFIN20090524_160955_000000342079_00183_37812_7527.N1	24-MAY-2009 16:09:55	Bright	34.000	89	5Alp Cep	2.4510	8000.0	68	37812	No
128	GOM_NL__2PRFIN20090524_162403_000000292079_00183_37812_7528.N1	24-MAY-2009 16:24:03	Twilight	28.500	58	21Alp And	2.0730	11000.	57	37812	No
129	GOM_NL__2PRFIN20090524_162834_000000292079_00183_37812_7529.N1	24-MAY-2009 16:28:34	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37812	No
130	GOM_NL__2PRFIN20090524_164502_000000392079_00183_37812_7530.N1	24-MAY-2009 16:45:02	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37812	No
131	GOM_NL__2PRFIN20090524_165037_000000432079_00184_37813_7535.N1	24-MAY-2009 16:50:37	Dark	42.500	172	Gam Gru	3.0030	13100.	85	37813	No
132	GOM_NL__2PRFIN20090524_170558_000000362079_00184_37813_7536.N1	24-MAY-2009 17:05:58	Straylight	36.000	178	lot1Sco	3.0220	6550.0	72	37813	No
133	GOM_NL__2PRFIN20090524_170719_000000362079_00184_37813_7537.N1	24-MAY-2009 17:07:19	Straylight	35.500	25	35Lam Sco	1.6200	28000.	71	37813	No
134	GOM_NL__2PRFIN20090524_171525_000000402079_00184_37813_7538.N1	24-MAY-2009 17:15:25	Bright	40.000	86	35Eta Oph	2.4300	10200.	80	37813	No
135	GOM_NL__2PRFIN20090524_171724_000000372079_00184_37813_7539.N1	24-MAY-2009 17:17:24	Bright	36.500	98	13Zet Oph	2.5710	30000.	73	37813	No
136	GOM_NL__2PRFIN20090524_171942_000000352079_00184_37813_7540.N1	24-MAY-2009 17:19:42	Bright	35.000	120	1Del Oph	2.7340	3200.0	70	37813	No
137	GOM_NL__2PRFIN20090524_172834_000000402079_00184_37813_7541.N1	24-MAY-2009 17:28:34	Bright	40.000	127	27Bet Her	2.7810	4700.0	80	37813	No
138	GOM_NL__2PRFIN20090524_173215_000000412079_00184_37813_7542.N1	24-MAY-2009 17:32:15	Bright	41.000	133	40Zet Her	2.8070	6000.0	82	37813	No
139	GOM_NL__2PRFIN20090524_173955_000000392079_00184_37813_7543.N1	24-MAY-2009 17:39:55	Bright	39.000	130	23Bet Dra	2.7990	5800.0	78	37813	No
140	GOM_NL__2PRFIN20090524_175031_000000342079_00184_37813_7544.N1	24-MAY-2009 17:50:31	Bright	34.000	89	5Alp Cep	2.4510	8000.0	68	37813	No
141	GOM_NL__2PRFIN20090524_180440_000000292079_00184_37813_7545.N1	24-MAY-2009 18:04:40	Twilight	29.000	58	21Alp And	2.0730	11000.	58	37813	No
142	GOM_NL__2PRFIN20090524_180910_000000292079_00184_37813_7546.N1	24-MAY-2009 18:09:10	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37813	No
143	GOM_NL__2PRFIN20090524_182539_000000402079_00184_37813_7547.N1	24-MAY-2009 18:25:39	Dark	39.500	18	24Alp PsA	1.1660	9700.0	79	37813	No
144	GOM_NL__2PRFIN20090524_183114_000000432079_00185_37814_7549.N1	24-MAY-2009 18:31:14	Dark	43.000	172	Gam Gru	3.0030	13100.	86	37814	No
145	GOM_NL__2PRFIN20090524_184634_000000352079_00185_37814_7550.N1	24-MAY-2009 18:46:34	Straylight	35.000	178	lot1Sco	3.0220	6550.0	70	37814	No
146	GOM_NL__2PRFIN20090524_184756_000000352079_00185_37814_7551.N1	24-MAY-2009 18:47:56	Straylight	35.000	25	35Lam Sco	1.6200	28000.	70	37814	No
147	GOM_NL__2PRFIN20090524_185601_000000392079_00185_37814_7552.N1	24-MAY-2009 18:56:01	Bright	39.000	86	35Eta Oph	2.4300	10200.	78	37814	No
148	GOM_NL__2PRFIN20090524_185800_000000362079_00185_37814_7553.N1	24-MAY-2009 18:58:00	Bright	36.000	98	13Zet Oph	2.5710	30000.	72	37814	No
149	GOM_NL__2PRFIN20090524_190018_000000352079_00185_37814_7554.N1	24-MAY-2009 19:00:18	Bright	34.500	120	1Del Oph	2.7340	3200.0	69	37814	No
150	GOM_NL__2PRFIN20090524_190910_000000392079_00185_37814_7555.N1	24-MAY-2009 19:09:10	Bright	39.000	127	27Bet Her	2.7810	4700.0	78	37814	No
151	GOM_NL__2PRFIN20090524_191250_000000402079_00185_37814_7556.N1	24-MAY-2009 19:12:50	Bright	40.000	133	40Zet Her	2.8070	6000.0	80	37814	No
152	GOM_NL__2PRFIN20090524_192030_000000392079_00185_37814_7557.N1	24-MAY-2009 19:20:30	Bright	38.500	130	23Bet Dra	2.7990	5800.0	77	37814	No
153	GOM_NL__2PRFIN20090524_193106_000000342079_00185_37814_7558.N1	24-MAY-2009 19:31:06	Bright	33.500	89	5Alp Cep	2.4510	8000.0	67	37814	No
154	GOM_NL__2PRFIN20090524_194516_000000282079_00185_37814_7559.N1	24-MAY-2009 19:45:16	Twilight	28.000	58	21Alp And	2.0730	11000.	56	37814	No
155	GOM_NL__2PRFIN20090524_194946_000000292079_00185_37814_7560.N1	24-MAY-2009 19:49:46	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37814	No
156	GOM_NL__2PRFIN20090524_200616_000000382079_00185_37814_7561.N1	24-MAY-2009 20:06:16	Dark	38.000	18	24Alp PsA	1.1660	9700.0	76	37814	No
157	GOM_NL__2PRFIN20090524_201151_000000422079_00186_37815_7564.N1	24-MAY-2009 20:11:51	Dark	42.000	172	Gam Gru	3.0030	13100.	84	37815	No
158	GOM_NL__2PRFIN20090524_202711_000000362079_00186_37815_7565.N1	24-MAY-2009 20:27:11	Straylight	35.500	178	lot1Sco	3.0220	6550.0	71	37815	No
159	GOM_NL__2PRFIN20090524_202832_000000362079_00186_37815_7566.N1	24-MAY-2009 20:28:32	Straylight	35.500	25	35Lam Sco	1.6200	28000.	71	37815	No
160	GOM_NL__2PRFIN20090524_203637_000000402079_00186_37815_7567.N1	24-MAY-2009 20:36:37	Bright	39.500	86	35Eta Oph	2.4300	10200.	79	37815	No

161	GOM_NL__2PRFIN20090524_203836_000000362079_00186_37815_7568.N1	24-MAY-2009 20:38:36	Bright	36.000	98	13Zet Oph	2.5710	30000.	72	37815	No
162	GOM_NL__2PRFIN20090524_204054_000000342079_00186_37815_7569.N1	24-MAY-2009 20:40:54	Bright	34.000	120	1Del Oph	2.7340	3200.0	68	37815	No
163	GOM_NL__2PRFIN20090524_204946_000000392079_00186_37815_7570.N1	24-MAY-2009 20:49:46	Bright	38.500	127	27Bet Her	2.7810	4700.0	77	37815	No
164	GOM_NL__2PRFIN20090524_205325_000000402079_00186_37815_7571.N1	24-MAY-2009 20:53:25	Bright	39.500	133	40Zet Her	2.8070	6000.0	79	37815	No
165	GOM_NL__2PRFIN20090524_210105_000000392079_00186_37815_7572.N1	24-MAY-2009 21:01:05	Bright	38.500	130	23Bet Dra	2.7990	5800.0	77	37815	No
166	GOM_NL__2PRFIN20090524_211141_000000342079_00186_37815_7573.N1	24-MAY-2009 21:11:41	Bright	34.000	89	5Alp Cep	2.4510	8000.0	68	37815	No
167	GOM_NL__2PRFIN20090524_212552_000000292079_00186_37815_7574.N1	24-MAY-2009 21:25:52	Twilight	28.500	58	21Alp And	2.0730	11000.	57	37815	No
168	GOM_NL__2PRFIN20090524_213023_000000292079_00186_37815_7575.N1	24-MAY-2009 21:30:23	Dark	28.500	140	88Gam Peg	2.8340	26000.	57	37815	No
169	GOM_NL__2PRFIN20090524_214653_000000392079_00186_37815_7576.N1	24-MAY-2009 21:46:53	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37815	No
170	GOM_NL__2PRFIN20090524_215228_000000432079_00187_37816_7579.N1	24-MAY-2009 21:52:28	Dark	42.500	172	Gam Gru	3.0030	13100.	85	37816	No
171	GOM_NL__2PRFIN20090524_220747_000000362079_00187_37816_7580.N1	24-MAY-2009 22:07:47	Straylight	35.500	178	1ot1Sco	3.0220	6550.0	71	37816	No
172	GOM_NL__2PRFIN20090524_220909_000000362079_00187_37816_7581.N1	24-MAY-2009 22:09:09	Straylight	35.500	25	35Lam Sco	1.6200	28000.	71	37816	No
173	GOM_NL__2PRFIN20090524_221713_000000402079_00187_37816_7582.N1	24-MAY-2009 22:17:13	Bright	39.500	86	35Eta Oph	2.4300	10200.	79	37816	No
174	GOM_NL__2PRFIN20090524_221912_000000362079_00187_37816_7583.N1	24-MAY-2009 22:19:12	Bright	35.500	98	13Zet Oph	2.5710	30000.	71	37816	No
175	GOM_NL__2PRFIN20090524_222129_000000352079_00187_37816_7584.N1	24-MAY-2009 22:21:29	Bright	34.500	120	1Del Oph	2.7340	3200.0	69	37816	No
176	GOM_NL__2PRFIN20090524_223021_000000392079_00187_37816_7585.N1	24-MAY-2009 22:30:21	Bright	39.000	127	27Bet Her	2.7810	4700.0	78	37816	No
177	GOM_NL__2PRFIN20090524_223400_000000402079_00187_37816_7586.N1	24-MAY-2009 22:34:00	Bright	40.000	133	40Zet Her	2.8070	6000.0	80	37816	No
178	GOM_NL__2PRFIN20090524_224140_000000392079_00187_37816_7587.N1	24-MAY-2009 22:41:40	Bright	38.500	130	23Bet Dra	2.7990	5800.0	77	37816	No
179	GOM_NL__2PRFIN20090524_225217_000000342079_00187_37816_7588.N1	24-MAY-2009 22:52:17	Bright	33.500	89	5Alp Cep	2.4510	8000.0	67	37816	No
180	GOM_NL__2PRFIN20090524_230628_000000292079_00187_37816_7589.N1	24-MAY-2009 23:06:28	Twilight	28.500	58	21Alp And	2.0730	11000.	57	37816	No
181	GOM_NL__2PRFIN20090524_231059_000000292079_00187_37816_7590.N1	24-MAY-2009 23:10:59	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37816	No
182	GOM_NL__2PRFIN20090524_232730_000000392079_00187_37816_7591.N1	24-MAY-2009 23:27:30	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37816	No
183	GOM_NL__2PRFIN20090524_233305_000000422079_00188_37817_7601.N1	24-MAY-2009 23:33:05	Dark	42.000	172	Gam Gru	3.0030	13100.	84	37817	No
184	GOM_NL__2PRFIN20090524_234823_000000362079_00188_37817_7602.N1	24-MAY-2009 23:48:23	Straylight	36.000	178	1ot1Sco	3.0220	6550.0	72	37817	No
185	GOM_NL__2PRFIN20090524_234945_000000362079_00188_37817_7603.N1	24-MAY-2009 23:49:45	Straylight	36.000	25	35Lam Sco	1.6200	28000.	72	37817	No
186	GOM_NL__2PRFIN20090524_235749_000000402079_00188_37817_7604.N1	24-MAY-2009 23:57:49	Bright	39.500	86	35Eta Oph	2.4300	10200.	79	37817	No
187	GOM_NL__2PRFIN20090524_235948_000000362079_00188_37817_7605.N1	24-MAY-2009 23:59:48	Bright	36.000	98	13Zet Oph	2.5710	30000.	72	37817	No

### 3. Quality information per product

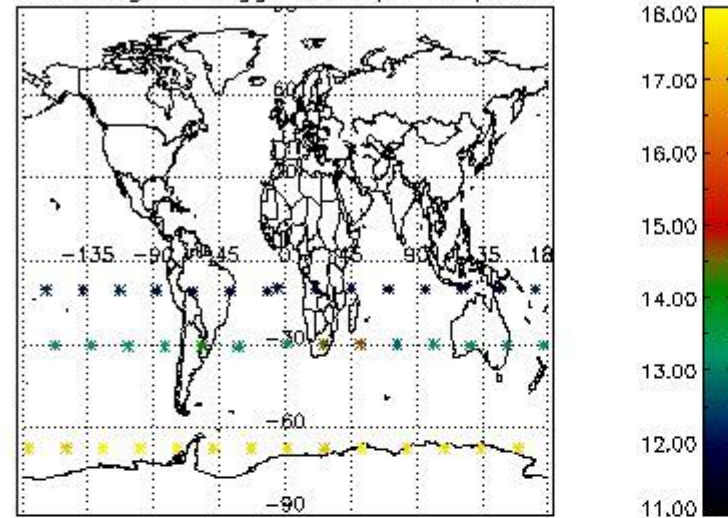
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

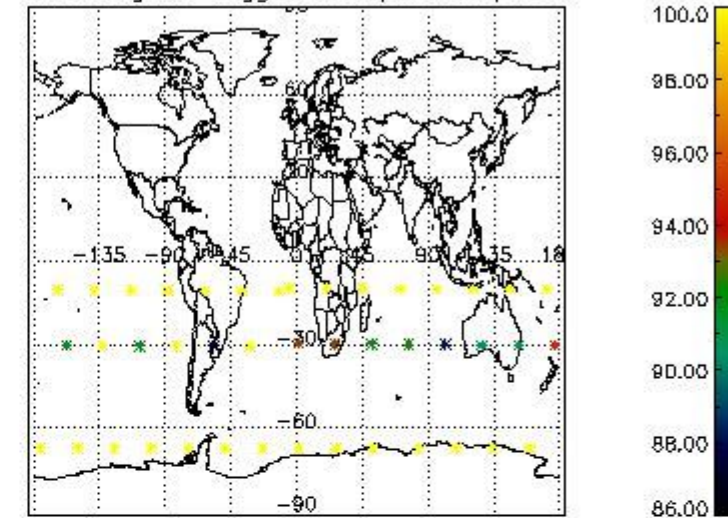


*3.2 Plot quality information per product (world map)*

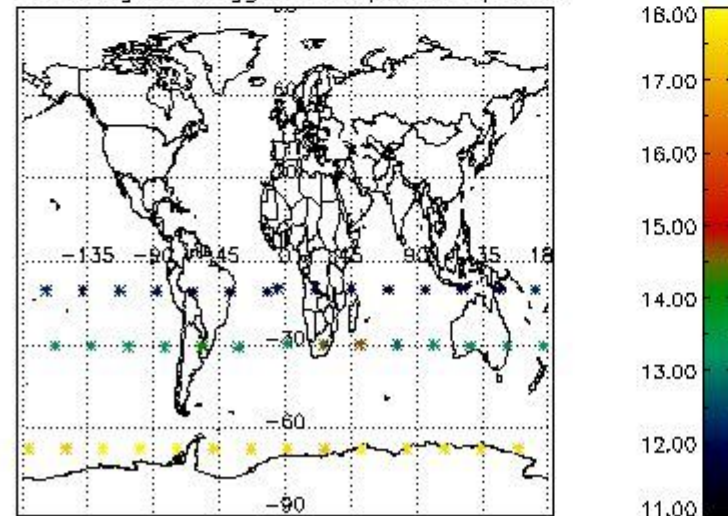
Percentage of flagged data per O3 profile



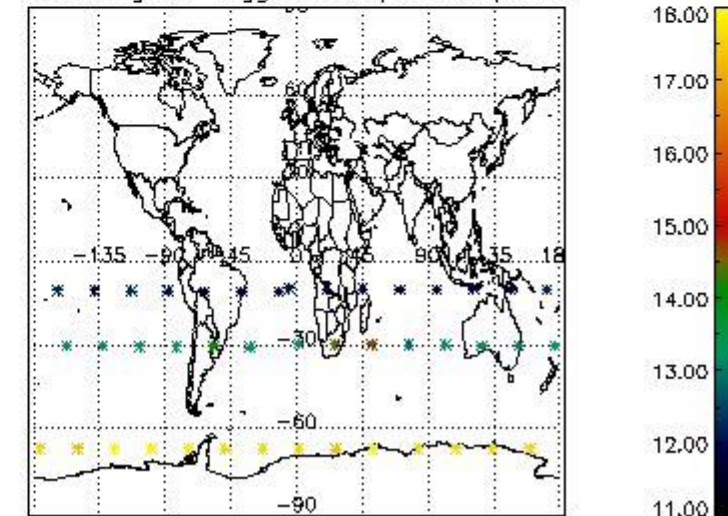
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

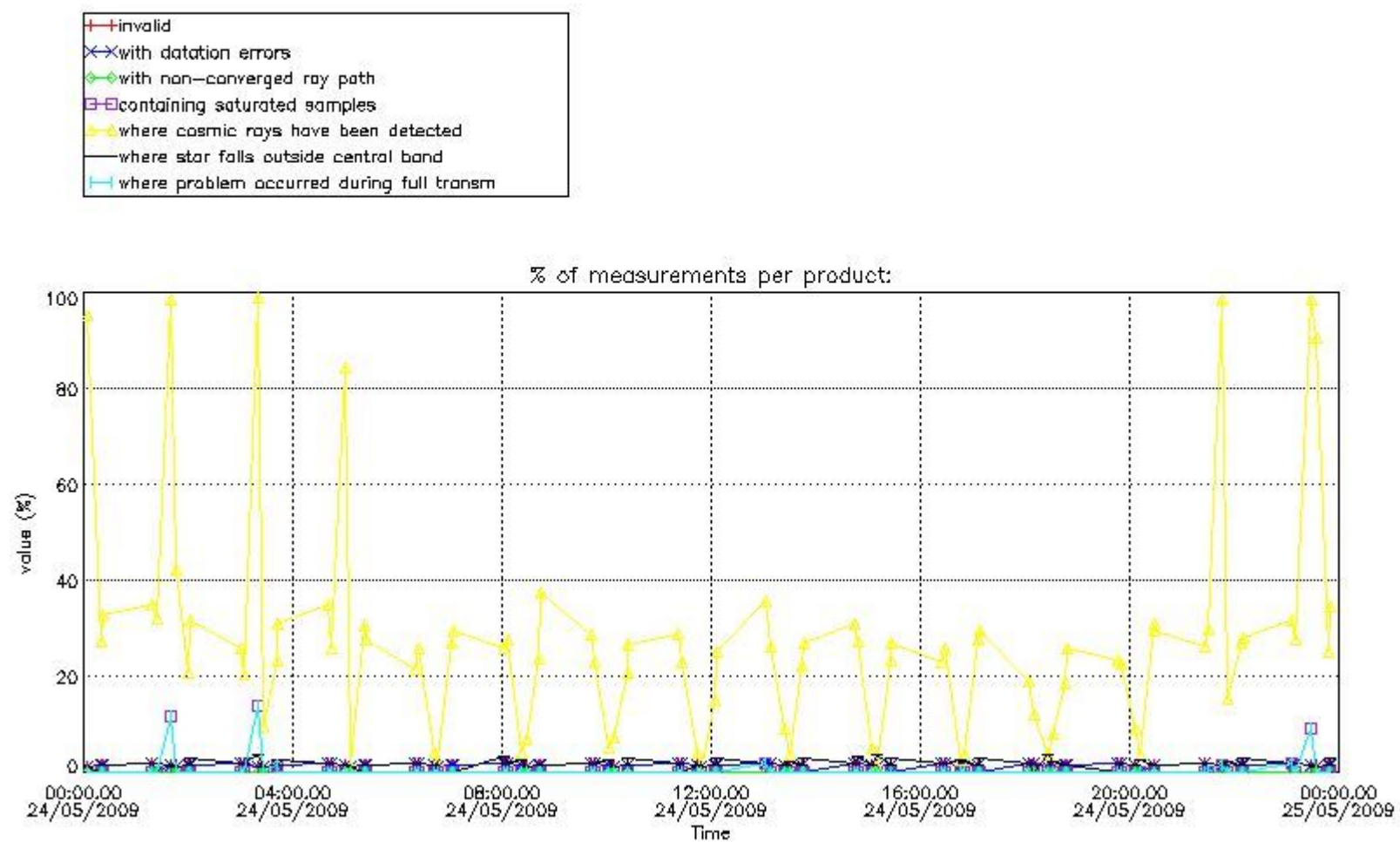


#### 4. Level 1 quality information per product

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.

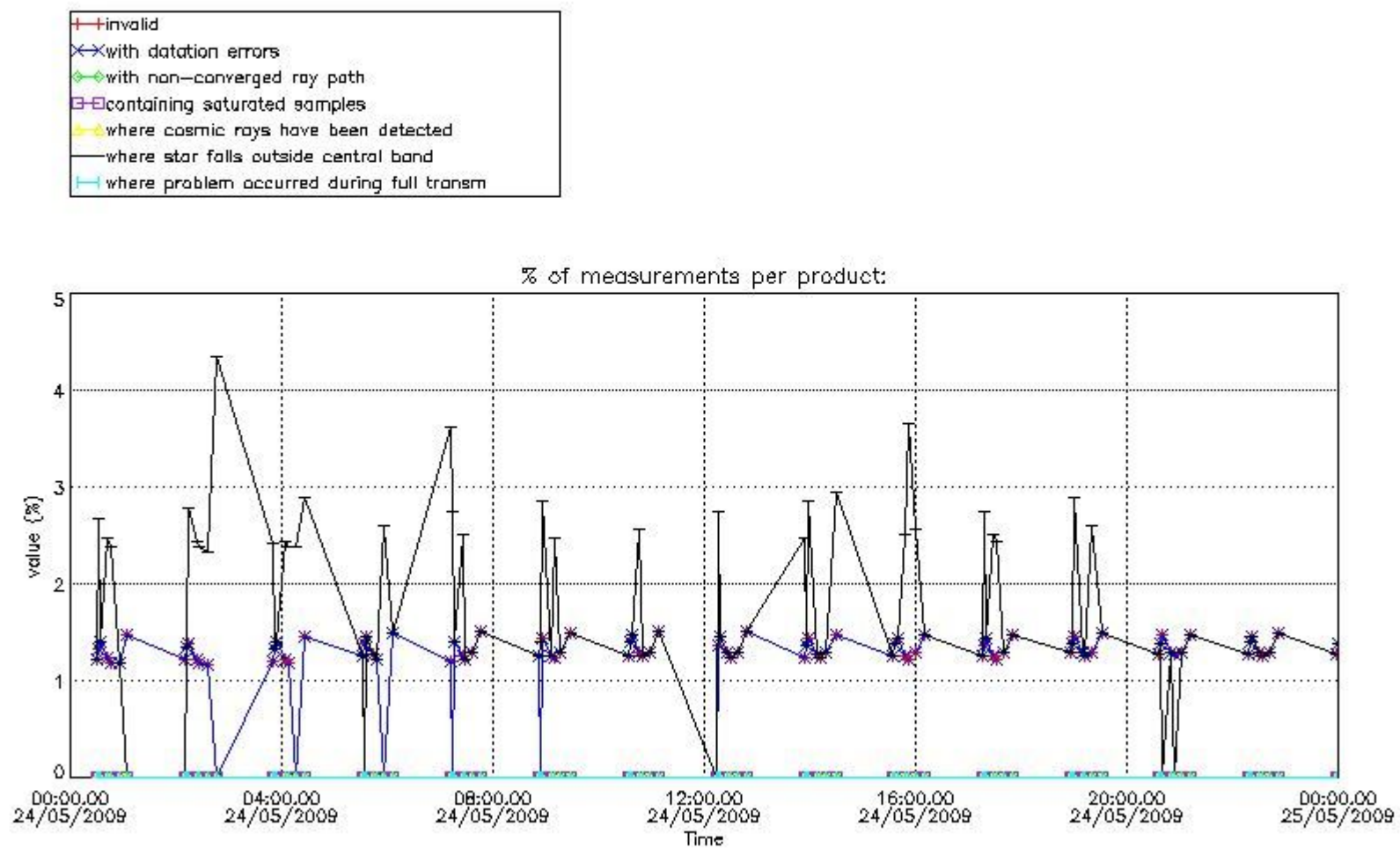
##### 4.1 Plot quality information per product (time dependant) coming from level 1b processing

###### 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

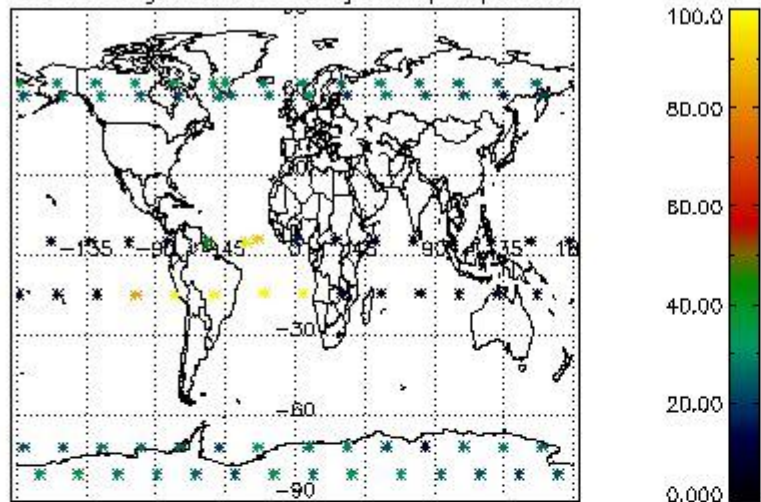




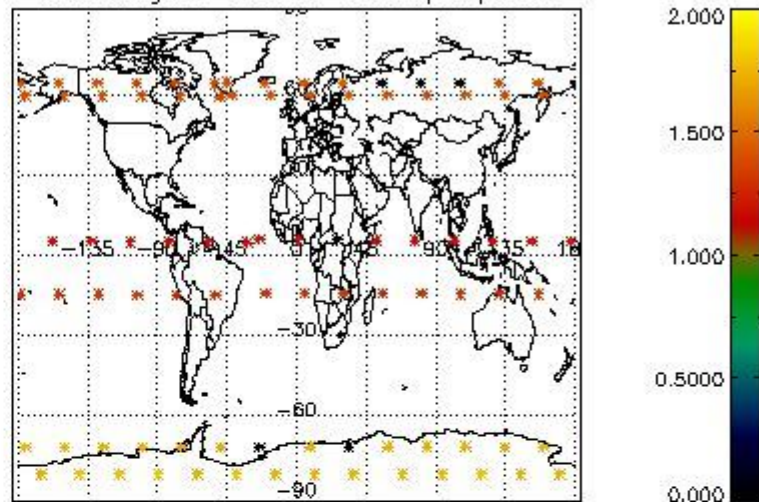
*4.2 Plot quality information per product coming from level 1b processing (world map)*

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

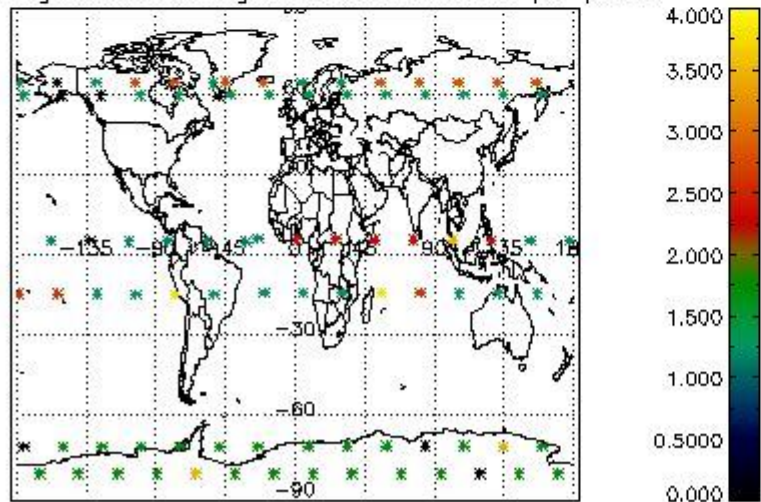
Percentage of cosmic ray hits per profile



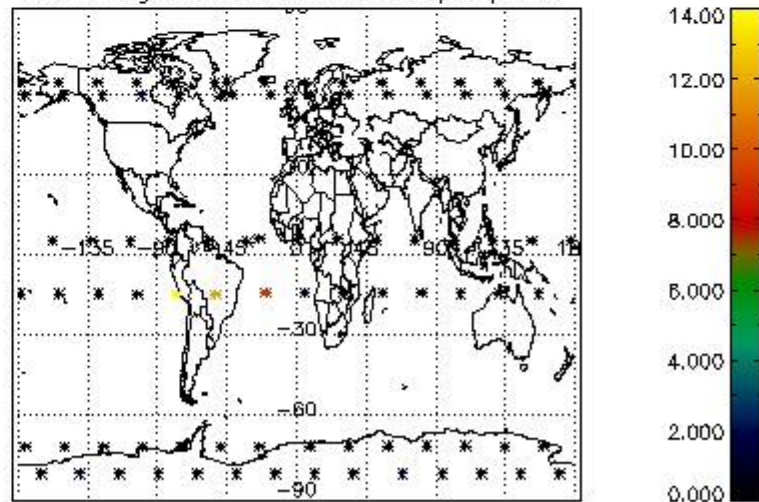
Percentage of datation errors per profile



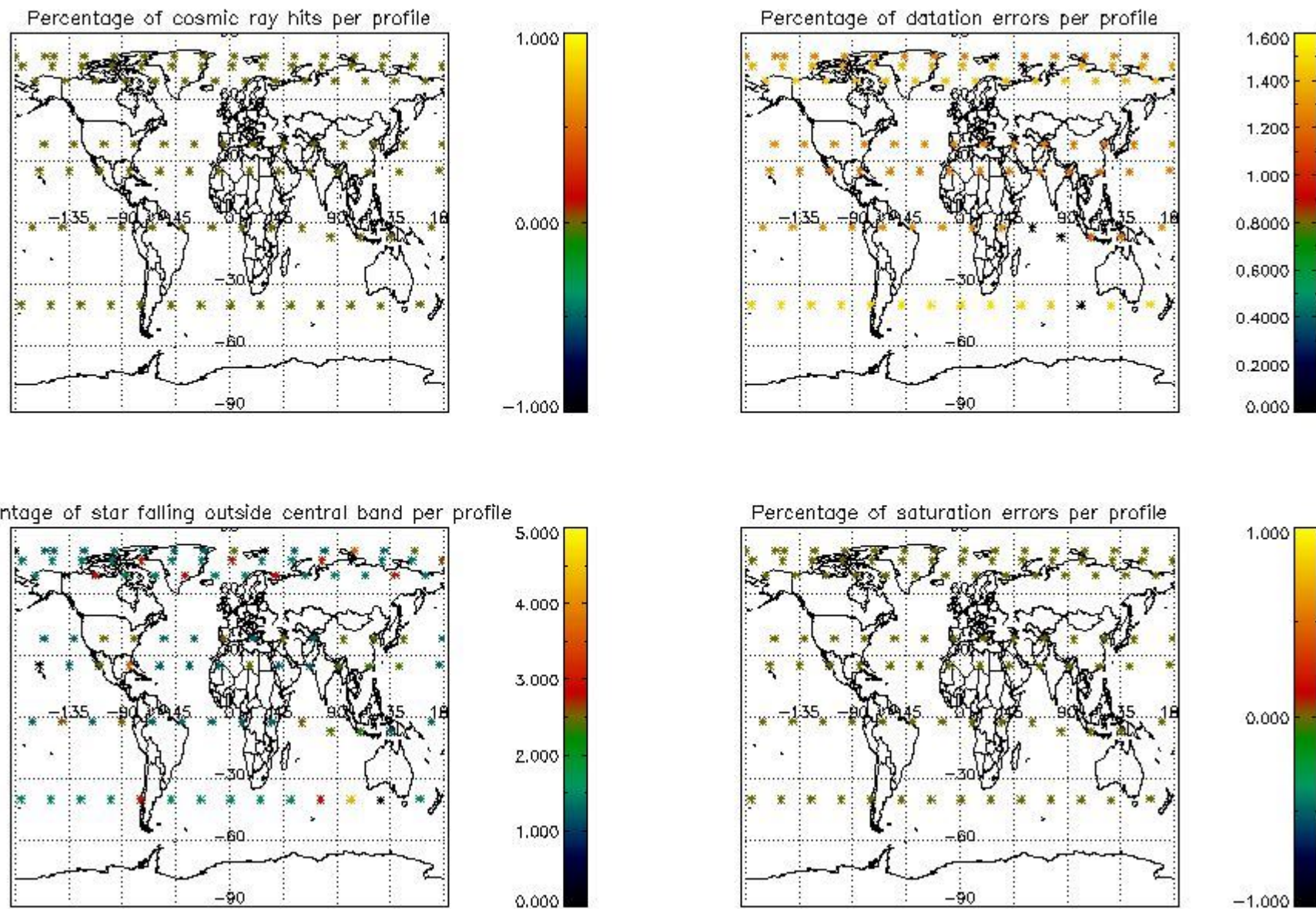
Percentage of star falling outside central band per profile



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

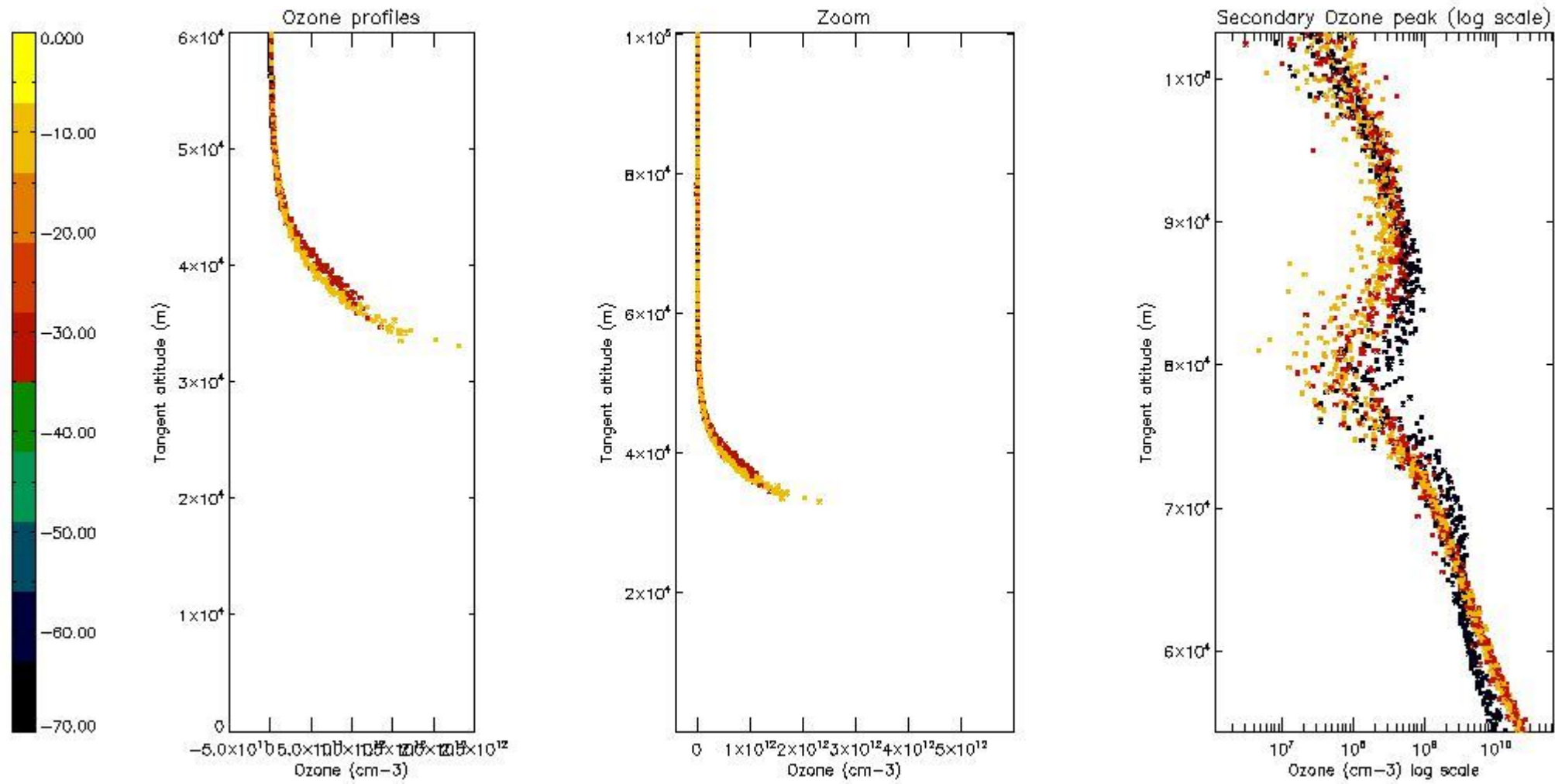
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	23
STD < 20	12

STD < 10	9
STD < 5	6

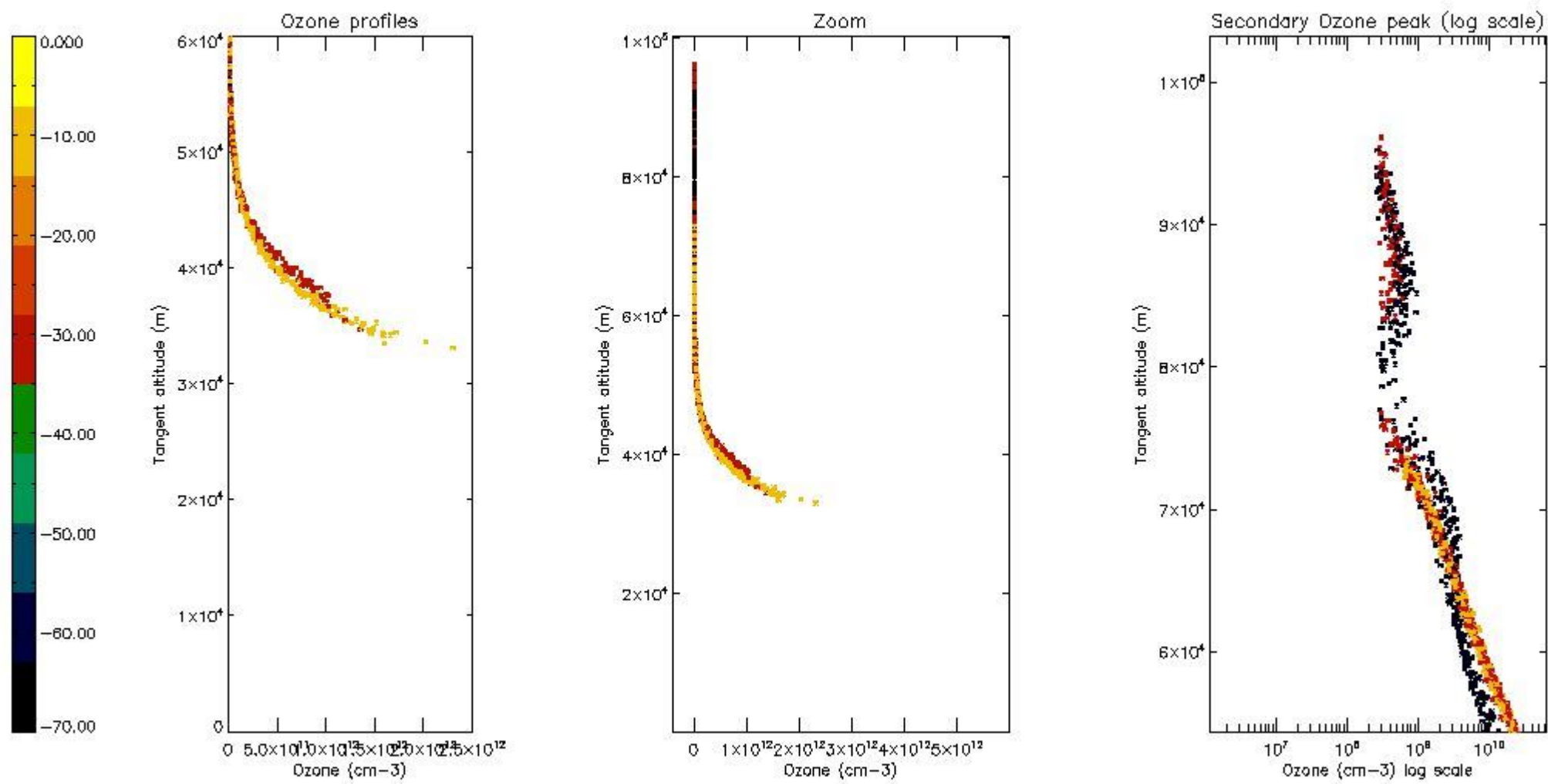
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



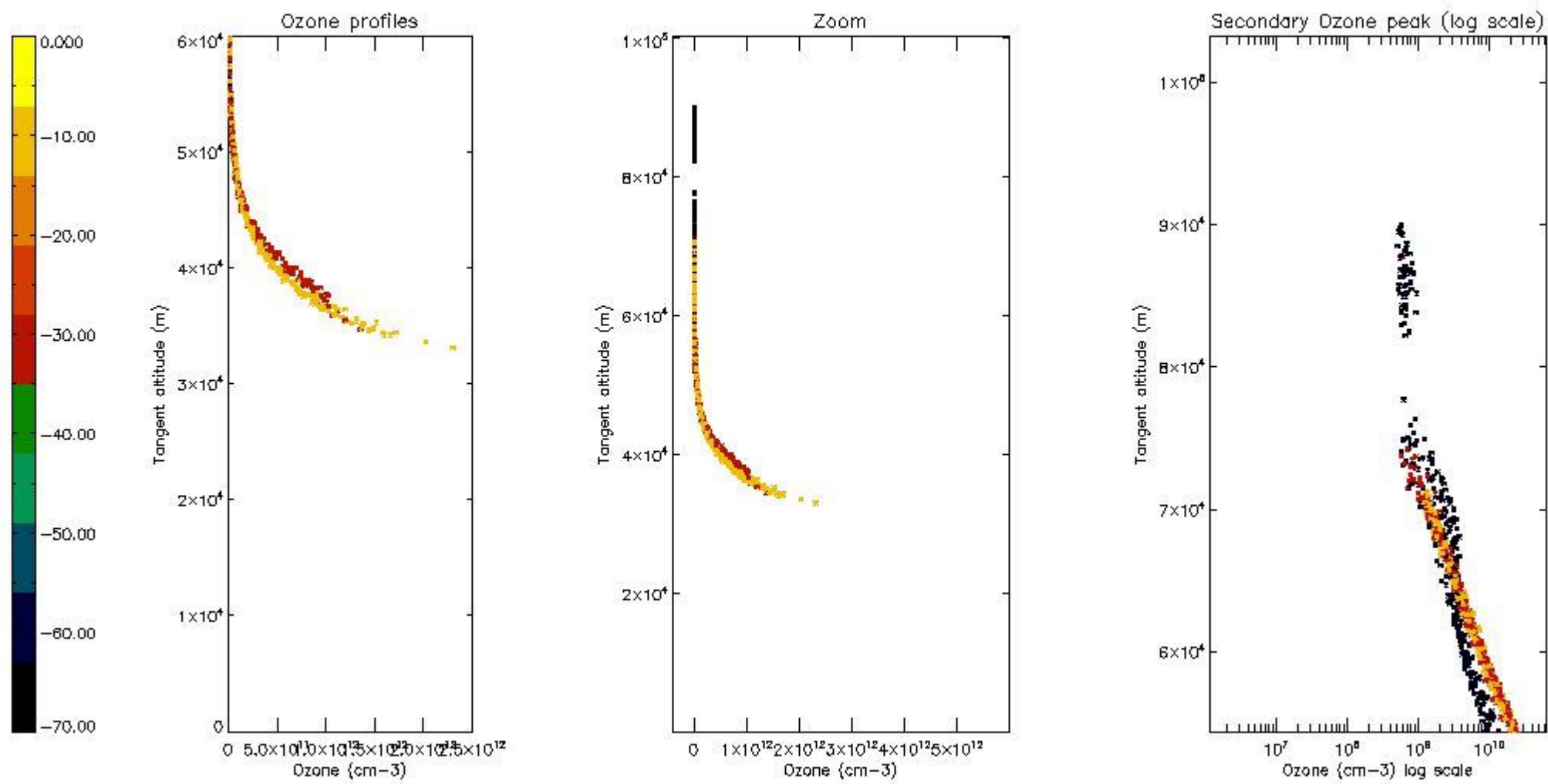
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



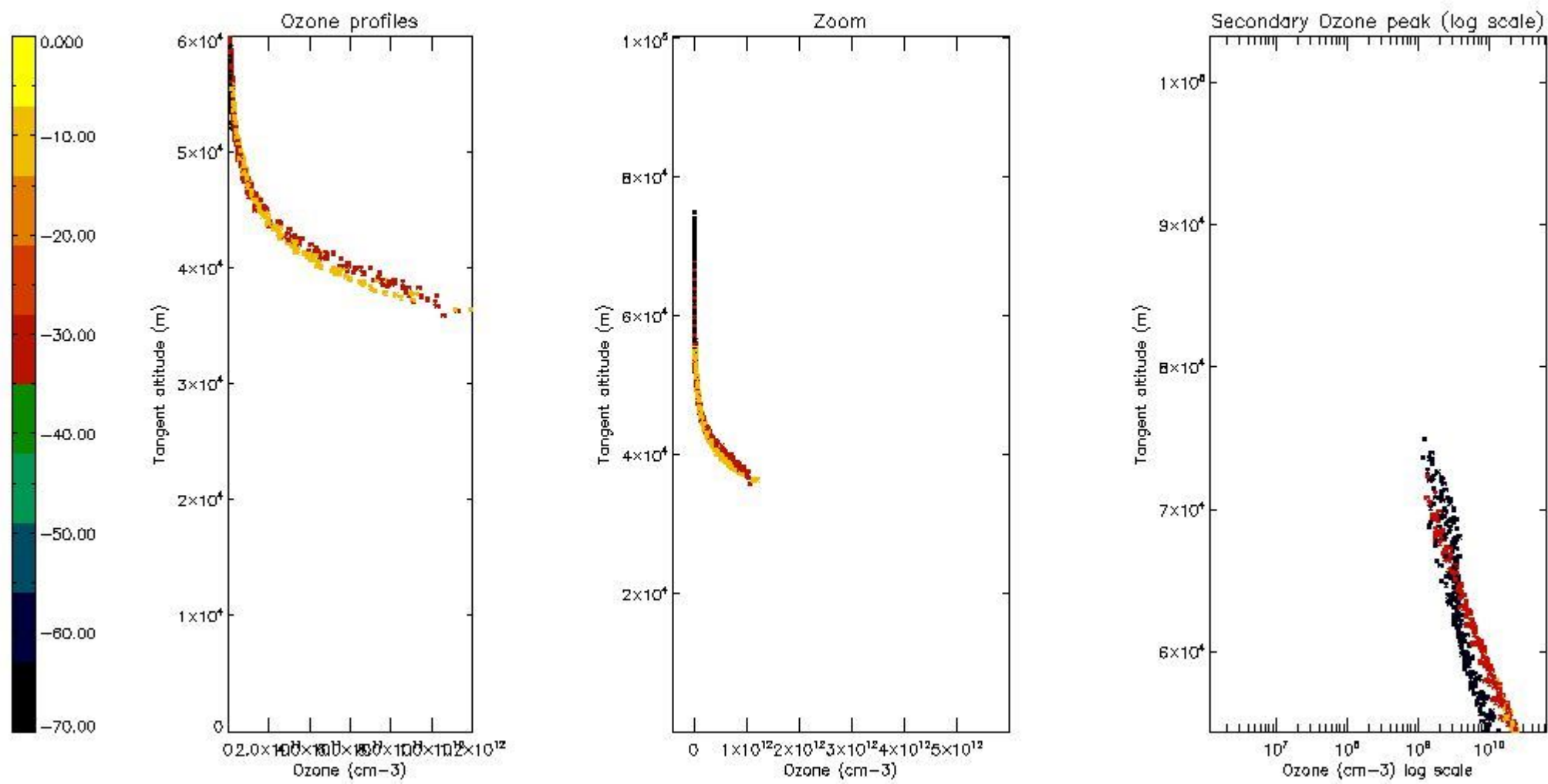
5.4 Plot ozone profiles where  $STD < 10\%$  (dark without errors)

The colorbar represents the latitude.



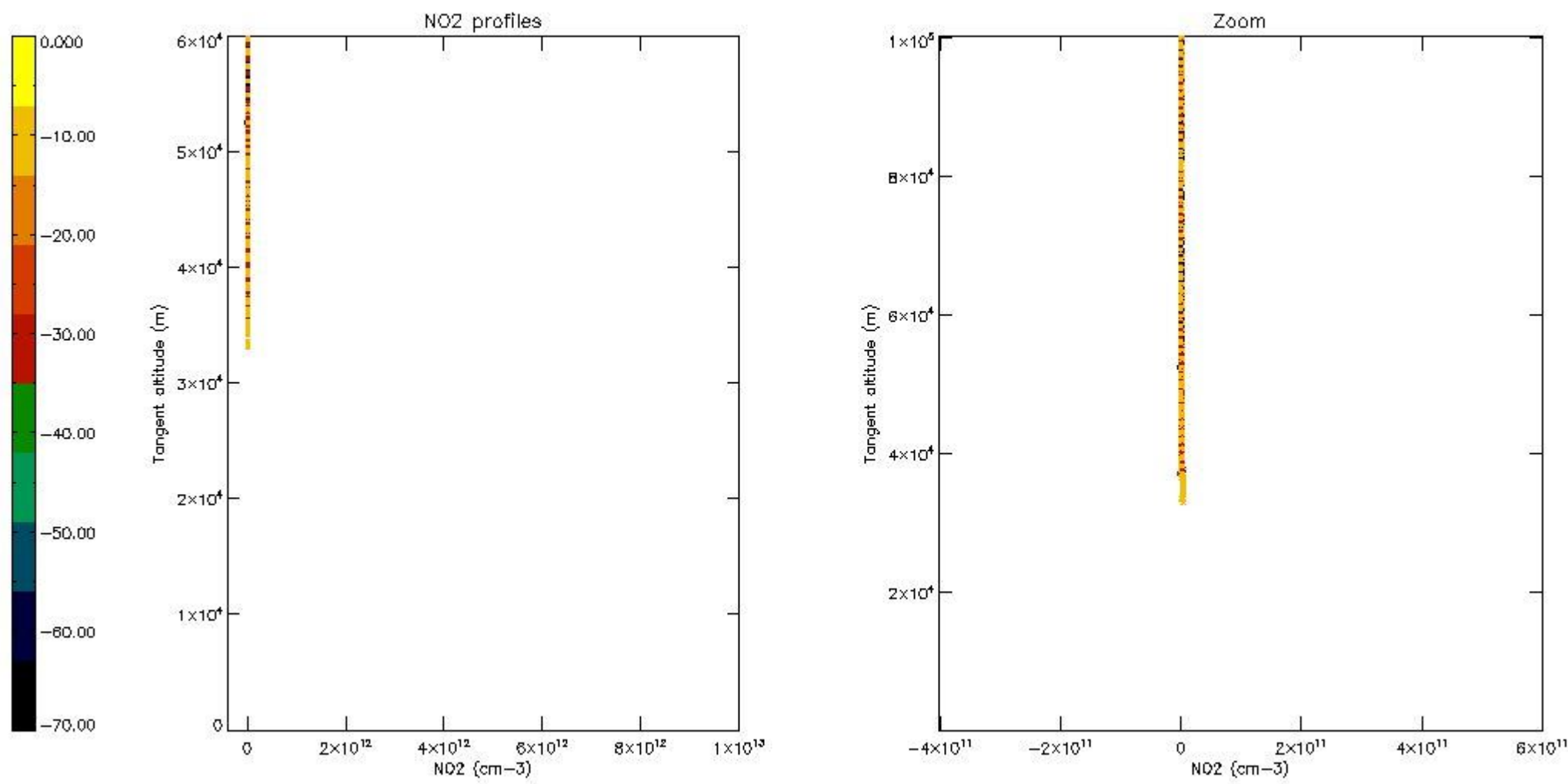
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



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

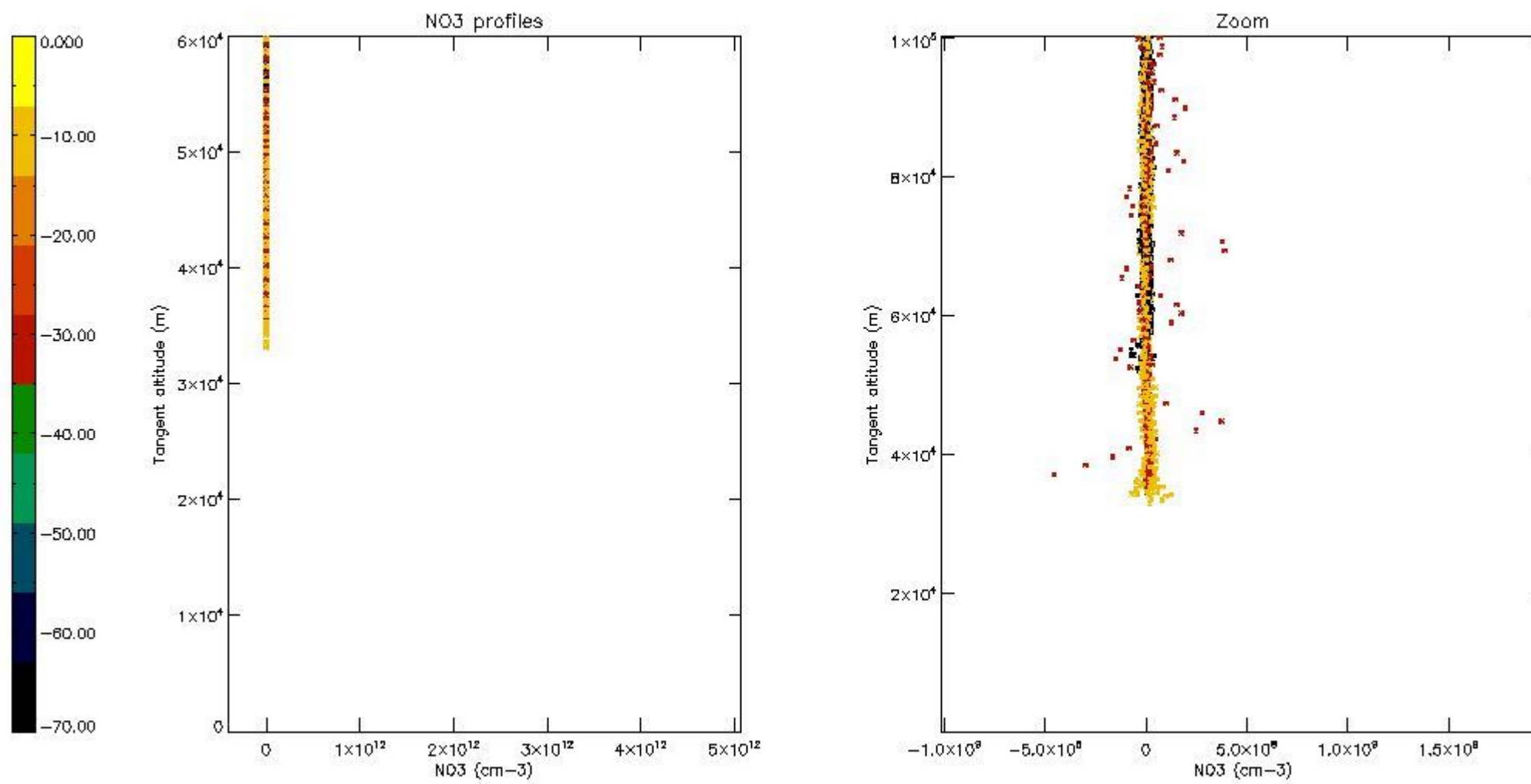
The colorbar represents the latitude.



*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	24-MAY-2009 00:04:25
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	24-MAY-2009 00:04:25
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	24-MAY-2009 00:04:25

# 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 09:43:53
Data source version	GOMOS/6.01
Start time of products	24-05-2009 (24MAY2009 00:00:00)
Stop time of products	25-05-2009 (25MAY2009 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	187
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__2PRFIN20090524_000425_000000432079_00174_37803_7370.N1	24-MAY-2009 00:04:25	Dark	42.500	172	Gam Gru	3.0030	13100.	85	37803	No
2	GOM_NL__2PRFIN20090524_001953_000000372079_00174_37803_7371.N1	24-MAY-2009 00:19:53	Straylight	36.500	178	lot1Sco	3.0220	6550.0	73	37803	No
3	GOM_NL__2PRFIN20090524_002115_000000372079_00174_37803_7372.N1	24-MAY-2009 00:21:15	Straylight	36.500	25	35Lam Sco	1.6200	28000.	73	37803	No
4	GOM_NL__2PRFIN20090524_002925_000000412079_00174_37803_7373.N1	24-MAY-2009 00:29:25	Bright	41.000	86	35Eta Oph	2.4300	10200.	82	37803	No
5	GOM_NL__2PRFIN20090524_003125_000000382079_00174_37803_7374.N1	24-MAY-2009 00:31:25	Bright	37.500	98	13Zet Oph	2.5710	30000.	75	37803	No
6	GOM_NL__2PRFIN20090524_003343_000000362079_00174_37803_7375.N1	24-MAY-2009 00:33:43	Bright	35.500	120	1Del Oph	2.7340	3200.0	71	37803	No
7	GOM_NL__2PRFIN20090524_004241_000000412079_00174_37803_7376.N1	24-MAY-2009 00:42:41	Bright	40.500	127	27Bet Her	2.7810	4700.0	81	37803	No
8	GOM_NL__2PRFIN20090524_004622_000000422079_00174_37803_7377.N1	24-MAY-2009 00:46:22	Bright	42.000	133	40Zet Her	2.8070	6000.0	84	37803	No
9	GOM_NL__2PRFIN20090524_005517_000000432079_00174_37803_7378.N1	24-MAY-2009 00:55:17	Bright	42.500	69	33Gam Dra	2.2310	3800.0	85	37803	No
10	GOM_NL__2PRFIN20090524_010437_000000342079_00174_37803_7379.N1	24-MAY-2009 01:04:37	Bright	34.000	89	5Alp Cep	2.4510	8000.0	68	37803	No
11	GOM_NL__2PRFIN20090524_011838_000000292079_00174_37803_7380.N1	24-MAY-2009 01:18:38	Twilight_stray	28.500	58	21Alp And	2.0730	11000.	57	37803	No
12	GOM_NL__2PRFIN20090524_012307_000000282079_00174_37803_7381.N1	24-MAY-2009 01:23:07	Dark	28.000	140	88Gam Peg	2.8340	26000.	56	37803	No
13	GOM_NL__2PRFIN20090524_013929_000000392079_00174_37803_7382.N1	24-MAY-2009 01:39:29	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37803	No
14	GOM_NL__2PRFIN20090524_014502_000000432079_00175_37804_7385.N1	24-MAY-2009 01:45:02	Dark	42.500	172	Gam Gru	3.0030	13100.	85	37804	No
15	GOM_NL__2PRFIN20090524_020029_000000362079_00175_37804_7386.N1	24-MAY-2009 02:00:29	Straylight	36.000	178	lot1Sco	3.0220	6550.0	72	37804	No
16	GOM_NL__2PRFIN20090524_020152_000000372079_00175_37804_7387.N1	24-MAY-2009 02:01:52	Straylight	36.500	25	35Lam Sco	1.6200	28000.	73	37804	No
17	GOM_NL__2PRFIN20090524_021000_000000412079_00175_37804_7388.N1	24-MAY-2009 02:10:00	Bright	41.000	86	35Eta Oph	2.4300	10200.	82	37804	No
18	GOM_NL__2PRFIN20090524_021201_000000372079_00175_37804_7389.N1	24-MAY-2009 02:12:01	Bright	37.000	98	13Zet Oph	2.5710	30000.	74	37804	No
19	GOM_NL__2PRFIN20090524_021419_000000362079_00175_37804_7390.N1	24-MAY-2009 02:14:19	Bright	36.000	120	1Del Oph	2.7340	3200.0	72	37804	No
20	GOM_NL__2PRFIN20090524_022316_000000412079_00175_37804_7391.N1	24-MAY-2009 02:23:16	Bright	41.000	127	27Bet Her	2.7810	4700.0	82	37804	No
21	GOM_NL__2PRFIN20090524_022658_000000422079_00175_37804_7392.N1	24-MAY-2009 02:26:58	Bright	42.000	133	40Zet Her	2.8070	6000.0	84	37804	No
22	GOM_NL__2PRFIN20090524_023552_000000432079_00175_37804_7393.N1	24-MAY-2009 02:35:52	Bright	43.000	69	33Gam Dra	2.2310	3800.0	86	37804	No
23	GOM_NL__2PRFIN20090524_024512_000000352079_00175_37804_7394.N1	24-MAY-2009 02:45:12	Bright	34.500	89	5Alp Cep	2.4510	8000.0	69	37804	No
24	GOM_NL__2PRFIN20090524_025914_000000292079_00175_37804_7395.N1	24-MAY-2009 02:59:14	Twilight_stray	29.000	58	21Alp And	2.0730	11000.	58	37804	No
25	GOM_NL__2PRFIN20090524_030343_000000302079_00175_37804_7396.N1	24-MAY-2009 03:03:43	Dark	29.500	140	88Gam Peg	2.8340	26000.	59	37804	No
26	GOM_NL__2PRFIN20090524_032006_000000402079_00175_37804_7397.N1	24-MAY-2009 03:20:06	Dark	39.500	18	24Alp PsA	1.1660	9700.0	79	37804	No
27	GOM_NL__2PRFIN20090524_032539_000000432079_00176_37805_7399.N1	24-MAY-2009 03:25:39	Dark	43.000	172	Gam Gru	3.0030	13100.	86	37805	No
28	GOM_NL__2PRFIN20090524_034106_000000372079_00176_37805_7400.N1	24-MAY-2009 03:41:06	Straylight	36.500	178	lot1Sco	3.0220	6550.0	73	37805	No
29	GOM_NL__2PRFIN20090524_034228_000000372079_00176_37805_7401.N1	24-MAY-2009 03:42:28	Straylight	37.000	25	35Lam Sco	1.6200	28000.	74	37805	No
30	GOM_NL__2PRFIN20090524_035037_000000422079_00176_37805_7402.N1	24-MAY-2009 03:50:37	Bright	41.500	86	35Eta Oph	2.4300	10200.	83	37805	No
31	GOM_NL__2PRFIN20090524_035237_000000382079_00176_37805_7403.N1	24-MAY-2009 03:52:37	Bright	37.500	98	13Zet Oph	2.5710	30000.	75	37805	No
32	GOM_NL__2PRFIN20090524_035455_000000362079_00176_37805_7404.N1	24-MAY-2009 03:54:55	Bright	35.500	120	1Del Oph	2.7340	3200.0	71	37805	No
33	GOM_NL__2PRFIN20090524_040352_000000412079_00176_37805_7405.N1	24-MAY-2009 04:03:52	Bright	41.000	127	27Bet Her	2.7810	4700.0	82	37805	No
34	GOM_NL__2PRFIN20090524_040733_000000422079_00176_37805_7406.N1	24-MAY-2009 04:07:33	Bright	42.000	133	40Zet Her	2.8070	6000.0	84	37805	No
35	GOM_NL__2PRFIN20090524_041627_000000422079_00176_37805_7407.N1	24-MAY-2009 04:16:27	Bright	42.000	69	33Gam Dra	2.2310	3800.0	84	37805	No
36	GOM_NL__2PRFIN20090524_042548_000000352079_00176_37805_7408.N1	24-MAY-2009 04:25:48	Bright	34.500	89	5Alp Cep	2.4510	8000.0	69	37805	No
37	GOM_NL__2PRFIN20090524_043951_000000292079_00176_37805_7409.N1	24-MAY-2009 04:39:51	Twilight_stray	28.500	58	21Alp And	2.0730	11000.	57	37805	No
38	GOM_NL__2PRFIN20090524_044420_000000292079_00176_37805_7410.N1	24-MAY-2009 04:44:20	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37805	No
39	GOM_NL__2PRFIN20090524_050044_000000382079_00176_37805_7411.N1	24-MAY-2009 05:00:44	Dark	38.000	18	24Alp PsA	1.1660	9700.0	76	37805	No
40	GOM_NL__2PRFIN20090524_050617_000000422079_00177_37806_7413.N1	24-MAY-2009 05:06:17	Dark	42.000	172	Gam Gru	3.0030	13100.	84	37806	No
41	GOM_NL__2PRFIN20090524_052142_000000362079_00177_37806_7414.N1	24-MAY-2009 05:21:42	Straylight	36.000	178	lot1Sco	3.0220	6550.0	72	37806	No
42	GOM_NL__2PRFIN20090524_052304_000000362079_00177_37806_7415.N1	24-MAY-2009 05:23:04	Straylight	36.000	25	35Lam Sco	1.6200	28000.	72	37806	No

43	GOM_NL__2PRFIN20090524_053113_000000402079_00177_37806_7416.N1	24-MAY-2009 05:31:13	Bright	40.000	86	35Eta Oph	2.4300	10200.	80	37806	No
44	GOM_NL__2PRFIN20090524_053313_000000362079_00177_37806_7417.N1	24-MAY-2009 05:33:13	Bright	36.000	98	13Zet Oph	2.5710	30000.	72	37806	No
45	GOM_NL__2PRFIN20090524_053531_000000352079_00177_37806_7418.N1	24-MAY-2009 05:35:31	Bright	34.500	120	1Del Oph	2.7340	3200.0	69	37806	No
46	GOM_NL__2PRFIN20090524_054427_000000402079_00177_37806_7419.N1	24-MAY-2009 05:44:27	Bright	39.500	127	27Bet Her	2.7810	4700.0	79	37806	No
47	GOM_NL__2PRFIN20090524_054808_000000412079_00177_37806_7420.N1	24-MAY-2009 05:48:08	Bright	41.000	133	40Zet Her	2.8070	6000.0	82	37806	No
48	GOM_NL__2PRFIN20090524_055549_000000392079_00177_37806_7421.N1	24-MAY-2009 05:55:49	Bright	38.500	130	23Bet Dra	2.7990	5800.0	77	37806	No
49	GOM_NL__2PRFIN20090524_060623_000000342079_00177_37806_7422.N1	24-MAY-2009 06:06:23	Bright	33.500	89	5Alp Cep	2.4510	8000.0	67	37806	No
50	GOM_NL__2PRFIN20090524_062027_000000282079_00177_37806_7423.N1	24-MAY-2009 06:20:27	Twilight	28.000	58	21Alp And	2.0730	11000.	56	37806	No
51	GOM_NL__2PRFIN20090524_062456_000000292079_00177_37806_7424.N1	24-MAY-2009 06:24:56	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37806	No
52	GOM_NL__2PRFIN20090524_064121_000000382079_00177_37806_7425.N1	24-MAY-2009 06:41:21	Dark	38.000	18	24Alp PsA	1.1660	9700.0	76	37806	No
53	GOM_NL__2PRFIN20090524_064654_000000422079_00178_37807_7428.N1	24-MAY-2009 06:46:54	Dark	41.500	172	Gam Gru	3.0030	13100.	83	37807	No
54	GOM_NL__2PRFIN20090524_070219_000000362079_00178_37807_7429.N1	24-MAY-2009 07:02:19	Straylight	35.500	178	lot1Sco	3.0220	6550.0	71	37807	No
55	GOM_NL__2PRFIN20090524_070341_000000362079_00178_37807_7430.N1	24-MAY-2009 07:03:41	Straylight	35.500	25	35Lam Sco	1.6200	28000.	71	37807	No
56	GOM_NL__2PRFIN20090524_071149_000000422079_00178_37807_7431.N1	24-MAY-2009 07:11:49	Bright	41.500	86	35Eta Oph	2.4300	10200.	83	37807	No
57	GOM_NL__2PRFIN20090524_071349_000000372079_00178_37807_7432.N1	24-MAY-2009 07:13:49	Bright	36.500	98	13Zet Oph	2.5710	30000.	73	37807	No
58	GOM_NL__2PRFIN20090524_071607_000000362079_00178_37807_7433.N1	24-MAY-2009 07:16:07	Bright	35.500	120	1Del Oph	2.7340	3200.0	71	37807	No
59	GOM_NL__2PRFIN20090524_072503_000000402079_00178_37807_7434.N1	24-MAY-2009 07:25:03	Bright	40.000	127	27Bet Her	2.7810	4700.0	80	37807	No
60	GOM_NL__2PRFIN20090524_072843_000000412079_00178_37807_7435.N1	24-MAY-2009 07:28:43	Bright	41.000	133	40Zet Her	2.8070	6000.0	82	37807	No
61	GOM_NL__2PRFIN20090524_073624_000000392079_00178_37807_7436.N1	24-MAY-2009 07:36:24	Bright	38.500	130	23Bet Dra	2.7990	5800.0	77	37807	No
62	GOM_NL__2PRFIN20090524_074659_000000332079_00178_37807_7437.N1	24-MAY-2009 07:46:59	Bright	33.000	89	5Alp Cep	2.4510	8000.0	66	37807	No
63	GOM_NL__2PRFIN20090524_080103_000000292079_00178_37807_7438.N1	24-MAY-2009 08:01:03	Twilight	29.000	58	21Alp And	2.0730	11000.	58	37807	No
64	GOM_NL__2PRFIN20090524_080532_000000292079_00178_37807_7439.N1	24-MAY-2009 08:05:32	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37807	No
65	GOM_NL__2PRFIN20090524_082157_000000392079_00178_37807_7440.N1	24-MAY-2009 08:21:57	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37807	No
66	GOM_NL__2PRFIN20090524_082731_000000432079_00179_37808_7462.N1	24-MAY-2009 08:27:31	Dark	42.500	172	Gam Gru	3.0030	13100.	85	37808	No
67	GOM_NL__2PRFIN20090524_084255_000000362079_00179_37808_7463.N1	24-MAY-2009 08:42:55	Straylight	36.000	178	lot1Sco	3.0220	6550.0	72	37808	No
68	GOM_NL__2PRFIN20090524_084417_000000362079_00179_37808_7464.N1	24-MAY-2009 08:44:17	Straylight	36.000	25	35Lam Sco	1.6200	28000.	72	37808	No
69	GOM_NL__2PRFIN20090524_085225_000000402079_00179_37808_7465.N1	24-MAY-2009 08:52:25	Bright	40.000	86	35Eta Oph	2.4300	10200.	80	37808	No
70	GOM_NL__2PRFIN20090524_085425_000000362079_00179_37808_7466.N1	24-MAY-2009 08:54:25	Bright	35.500	98	13Zet Oph	2.5710	30000.	71	37808	No
71	GOM_NL__2PRFIN20090524_085643_000000352079_00179_37808_7467.N1	24-MAY-2009 08:56:43	Bright	35.000	120	1Del Oph	2.7340	3200.0	70	37808	No
72	GOM_NL__2PRFIN20090524_090538_000000402079_00179_37808_7468.N1	24-MAY-2009 09:05:38	Bright	40.000	127	27Bet Her	2.7810	4700.0	80	37808	No
73	GOM_NL__2PRFIN20090524_090919_000000412079_00179_37808_7469.N1	24-MAY-2009 09:09:19	Bright	40.500	133	40Zet Her	2.8070	6000.0	81	37808	No
74	GOM_NL__2PRFIN20090524_091659_000000392079_00179_37808_7470.N1	24-MAY-2009 09:16:59	Bright	39.000	130	23Bet Dra	2.7990	5800.0	78	37808	No
75	GOM_NL__2PRFIN20090524_092734_000000342079_00179_37808_7471.N1	24-MAY-2009 09:27:34	Bright	33.500	89	5Alp Cep	2.4510	8000.0	67	37808	No
76	GOM_NL__2PRFIN20090524_094139_000000282079_00179_37808_7472.N1	24-MAY-2009 09:41:39	Twilight	28.000	58	21Alp And	2.0730	11000.	56	37808	No
77	GOM_NL__2PRFIN20090524_094609_000000292079_00179_37808_7473.N1	24-MAY-2009 09:46:09	Dark	28.500	140	88Gam Peg	2.8340	26000.	57	37808	No
78	GOM_NL__2PRFIN20090524_100234_000000392079_00179_37808_7474.N1	24-MAY-2009 10:02:34	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37808	No
79	GOM_NL__2PRFIN20090524_100808_000000422079_00180_37809_7476.N1	24-MAY-2009 10:08:08	Dark	41.500	172	Gam Gru	3.0030	13100.	83	37809	No
80	GOM_NL__2PRFIN20090524_102332_000000362079_00180_37809_7477.N1	24-MAY-2009 10:23:32	Straylight	36.000	178	lot1Sco	3.0220	6550.0	72	37809	No
81	GOM_NL__2PRFIN20090524_102454_000000362079_00180_37809_7478.N1	24-MAY-2009 10:24:54	Straylight	36.000	25	35Lam Sco	1.6200	28000.	72	37809	No
82	GOM_NL__2PRFIN20090524_103301_000000402079_00180_37809_7479.N1	24-MAY-2009 10:33:01	Bright	40.000	86	35Eta Oph	2.4300	10200.	80	37809	No
83	GOM_NL__2PRFIN20090524_103501_000000362079_00180_37809_7480.N1	24-MAY-2009 10:35:01	Bright	35.500	98	13Zet Oph	2.5710	30000.	71	37809	No
84	GOM_NL__2PRFIN20090524_103719_000000342079_00180_37809_7481.N1	24-MAY-2009 10:37:19	Bright	34.000	120	1Del Oph	2.7340	3200.0	68	37809	No
85	GOM_NL__2PRFIN20090524_104613_000000392079_00180_37809_7482.N1	24-MAY-2009 10:46:13	Bright	39.000	127	27Bet Her	2.7810	4700.0	78	37809	No
86	GOM_NL__2PRFIN20090524_104954_000000402079_00180_37809_7483.N1	24-MAY-2009 10:49:54	Bright	40.000	133	40Zet Her	2.8070	6000.0	80	37809	No
87	GOM_NL__2PRFIN20090524_105734_000000392079_00180_37809_7484.N1	24-MAY-2009 10:57:34	Bright	38.500	130	23Bet Dra	2.7990	5800.0	77	37809	No
88	GOM_NL__2PRFIN20090524_110809_000000332079_00180_37809_7485.N1	24-MAY-2009 11:08:09	Bright	33.000	89	5Alp Cep	2.4510	8000.0	66	37809	No
89	GOM_NL__2PRFIN20090524_112215_000000282079_00180_37809_7486.N1	24-MAY-2009 11:22:15	Twilight	28.000	58	21Alp And	2.0730	11000.	56	37809	No
90	GOM_NL__2PRFIN20090524_112645_000000292079_00180_37809_7487.N1	24-MAY-2009 11:26:45	Dark	28.500	140	88Gam Peg	2.8340	26000.	57	37809	No
91	GOM_NL__2PRFIN20090524_114311_000000382079_00180_37809_7488.N1	24-MAY-2009 11:43:11	Dark	38.000	18	24Alp PsA	1.1660	9700.0	76	37809	No
92	GOM_NL__2PRFIN20090524_114845_000000422079_00181_37810_7489.N1	24-MAY-2009 11:48:45	Dark	41.500	172	Gam Gru	3.0030	13100.	83	37810	No
93	GOM_NL__2PRFIN20090524_120408_000000372079_00181_37810_7490.N1	24-MAY-2009 12:04:08	Straylight	36.500	178	lot1Sco	3.0220	6550.0	73	37810	No
94	GOM_NL__2PRFIN20090524_120530_000000362079_00181_37810_7491.N1	24-MAY-2009 12:05:30	Straylight	36.000	25	35Lam Sco	1.6200	28000.	72	37810	No
95	GOM_NL__2PRFIN20090524_121337_000000402079_00181_37810_7492.N1	24-MAY-2009 12:13:37	Bright	40.000	86	35Eta Oph	2.4300	10200.	80	37810	No
96	GOM_NL__2PRFIN20090524_121537_000000372079_00181_37810_7493.N1	24-MAY-2009 12:15:37	Bright	36.500	98	13Zet Oph	2.5710	30000.	73	37810	No
97	GOM_NL__2PRFIN20090524_121755_000000352079_00181_37810_7494.N1	24-MAY-2009 12:17:55	Bright	34.500	120	1Del Oph	2.7340	3200.0	69	37810	No
98	GOM_NL__2PRFIN20090524_122648_000000392079_00181_37810_7495.N1	24-MAY-2009 12:26:48	Bright	39.000	127	27Bet Her	2.7810	4700.0	78	37810	No
99	GOM_NL__2PRFIN20090524_123029_000000412079_00181_37810_7496.N1	24-MAY-2009 12:30:29	Bright	40.500	133	40Zet Her	2.8070	6000.0	81	37810	No
100	GOM_NL__2PRFIN20090524_123809_000000392079_00181_37810_7497.N1	24-MAY-2009 12:38:09	Bright	38.500	130	23Bet Dra	2.7990	5800.0	77	37810	No
101	GOM_NL__2PRFIN20090524_124845_000000332079_00181_37810_7498.N1	24-MAY-2009 12:48:45	Bright	33.000	89	5Alp Cep	2.4510	8000.0	66	37810	No

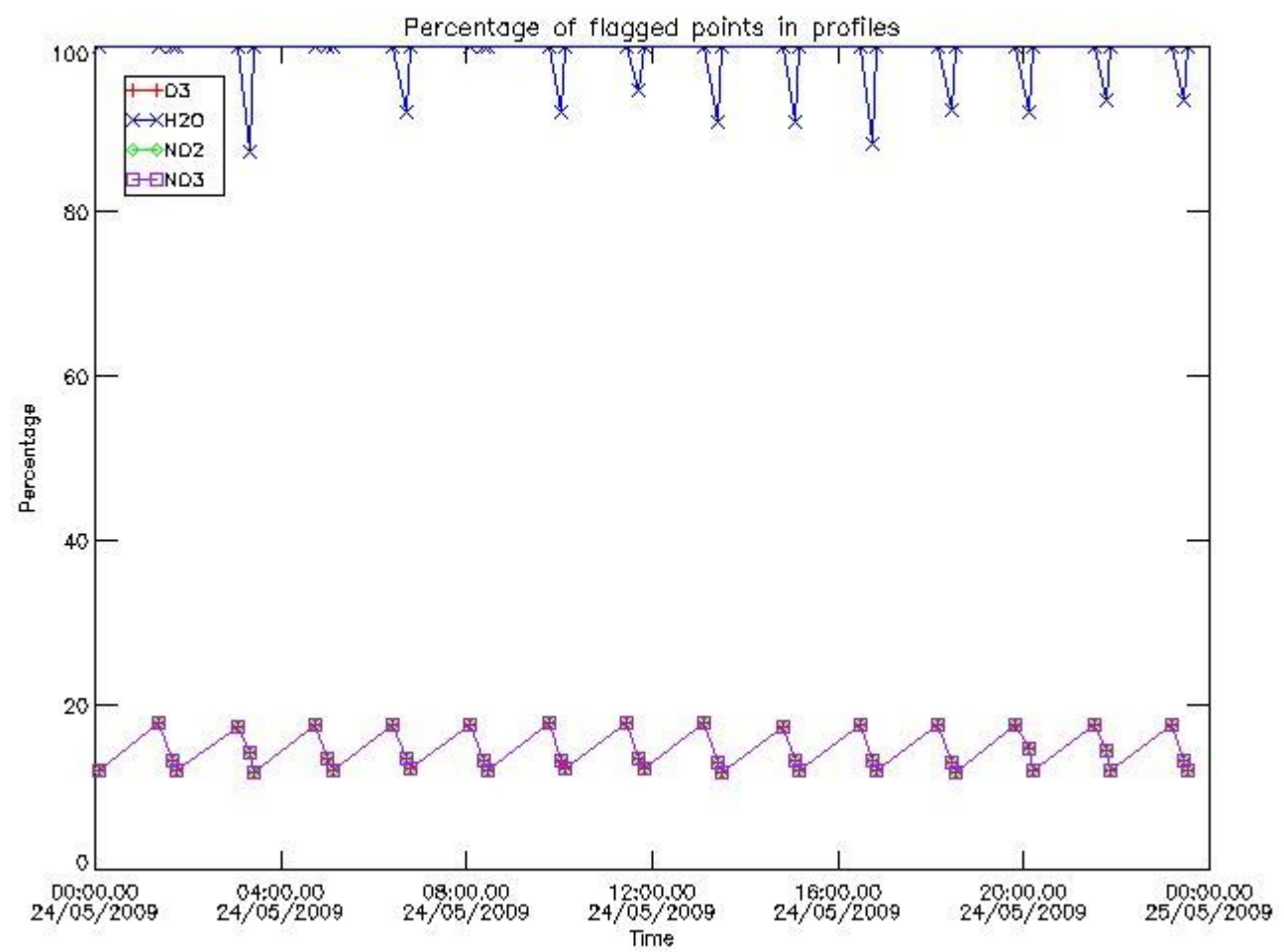
102	GOM_NL__2PRFIN20090524_130251_000000282079_00181_37810_7499.N1	24-MAY-2009 13:02:51	Twilight	28.000	58	21Alp And	2.0730	11000.	56	37810	No
103	GOM_NL__2PRFIN20090524_130721_000000292079_00181_37810_7500.N1	24-MAY-2009 13:07:21	Dark	28.500	140	88Gam Peg	2.8340	26000.	57	37810	No
104	GOM_NL__2PRFIN20090524_132348_000000392079_00181_37810_7501.N1	24-MAY-2009 13:23:48	Dark	39.000	18	24Alp PsA	1.1660	9700.0	78	37810	No
105	GOM_NL__2PRFIN20090524_132922_000000432079_00182_37811_7504.N1	24-MAY-2009 13:29:22	Dark	43.000	172	Gam Gru	3.0030	13100.	86	37811	No
106	GOM_NL__2PRFIN20090524_134445_000000362079_00182_37811_7505.N1	24-MAY-2009 13:44:45	Straylight	36.000	178	lot1Sco	3.0220	6550.0	72	37811	No
107	GOM_NL__2PRFIN20090524_134607_000000362079_00182_37811_7506.N1	24-MAY-2009 13:46:07	Straylight	35.500	25	35Lam Sco	1.6200	28000.	71	37811	No
108	GOM_NL__2PRFIN20090524_135413_000000412079_00182_37811_7507.N1	24-MAY-2009 13:54:13	Bright	40.500	86	35Eta Oph	2.4300	10200.	81	37811	No
109	GOM_NL__2PRFIN20090524_135612_000000372079_00182_37811_7508.N1	24-MAY-2009 13:56:12	Bright	36.500	98	13Zet Oph	2.5710	30000.	73	37811	No
110	GOM_NL__2PRFIN20090524_135830_000000352079_00182_37811_7509.N1	24-MAY-2009 13:58:30	Bright	35.000	120	1Del Oph	2.7340	3200.0	70	37811	No
111	GOM_NL__2PRFIN20090524_140724_000000402079_00182_37811_7510.N1	24-MAY-2009 14:07:24	Bright	39.500	127	27Bet Her	2.7810	4700.0	79	37811	No
112	GOM_NL__2PRFIN20090524_141104_000000412079_00182_37811_7511.N1	24-MAY-2009 14:11:04	Bright	40.500	133	40Zet Her	2.8070	6000.0	81	37811	No
113	GOM_NL__2PRFIN20090524_141844_000000392079_00182_37811_7512.N1	24-MAY-2009 14:18:44	Bright	39.000	130	23Bet Dra	2.7990	5800.0	78	37811	No
114	GOM_NL__2PRFIN20090524_142920_000000342079_00182_37811_7513.N1	24-MAY-2009 14:29:20	Bright	34.000	89	5Alp Cep	2.4510	8000.0	68	37811	No
115	GOM_NL__2PRFIN20090524_144327_000000292079_00182_37811_7514.N1	24-MAY-2009 14:43:27	Twilight	29.000	58	21Alp And	2.0730	11000.	58	37811	No
116	GOM_NL__2PRFIN20090524_144757_000000302079_00182_37811_7515.N1	24-MAY-2009 14:47:57	Dark	29.500	140	88Gam Peg	2.8340	26000.	59	37811	No
117	GOM_NL__2PRFIN20090524_150425_000000392079_00182_37811_7516.N1	24-MAY-2009 15:04:25	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37811	No
118	GOM_NL__2PRFIN20090524_151000_000000432079_00183_37812_7518.N1	24-MAY-2009 15:10:00	Dark	42.500	172	Gam Gru	3.0030	13100.	85	37812	No
119	GOM_NL__2PRFIN20090524_152521_000000372079_00183_37812_7519.N1	24-MAY-2009 15:25:21	Straylight	36.500	178	lot1Sco	3.0220	6550.0	73	37812	No
120	GOM_NL__2PRFIN20090524_152643_000000362079_00183_37812_7520.N1	24-MAY-2009 15:26:43	Straylight	35.500	25	35Lam Sco	1.6200	28000.	71	37812	No
121	GOM_NL__2PRFIN20090524_153449_000000402079_00183_37812_7521.N1	24-MAY-2009 15:34:49	Bright	40.000	86	35Eta Oph	2.4300	10200.	80	37812	No
122	GOM_NL__2PRFIN20090524_153648_000000362079_00183_37812_7522.N1	24-MAY-2009 15:36:48	Bright	36.000	98	13Zet Oph	2.5710	30000.	72	37812	No
123	GOM_NL__2PRFIN20090524_153906_000000352079_00183_37812_7523.N1	24-MAY-2009 15:39:06	Bright	35.000	120	1Del Oph	2.7340	3200.0	70	37812	No
124	GOM_NL__2PRFIN20090524_154759_000000402079_00183_37812_7524.N1	24-MAY-2009 15:47:59	Bright	40.000	127	27Bet Her	2.7810	4700.0	80	37812	No
125	GOM_NL__2PRFIN20090524_155139_000000412079_00183_37812_7525.N1	24-MAY-2009 15:51:39	Bright	41.000	133	40Zet Her	2.8070	6000.0	82	37812	No
126	GOM_NL__2PRFIN20090524_155919_000000392079_00183_37812_7526.N1	24-MAY-2009 15:59:19	Bright	39.000	130	23Bet Dra	2.7990	5800.0	78	37812	No
127	GOM_NL__2PRFIN20090524_160955_000000342079_00183_37812_7527.N1	24-MAY-2009 16:09:55	Bright	34.000	89	5Alp Cep	2.4510	8000.0	68	37812	No
128	GOM_NL__2PRFIN20090524_162403_000000292079_00183_37812_7528.N1	24-MAY-2009 16:24:03	Twilight	28.500	58	21Alp And	2.0730	11000.	57	37812	No
129	GOM_NL__2PRFIN20090524_162834_000000292079_00183_37812_7529.N1	24-MAY-2009 16:28:34	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37812	No
130	GOM_NL__2PRFIN20090524_164502_000000392079_00183_37812_7530.N1	24-MAY-2009 16:45:02	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37812	No
131	GOM_NL__2PRFIN20090524_165037_000000432079_00184_37813_7535.N1	24-MAY-2009 16:50:37	Dark	42.500	172	Gam Gru	3.0030	13100.	85	37813	No
132	GOM_NL__2PRFIN20090524_170558_000000362079_00184_37813_7536.N1	24-MAY-2009 17:05:58	Straylight	36.000	178	lot1Sco	3.0220	6550.0	72	37813	No
133	GOM_NL__2PRFIN20090524_170719_000000362079_00184_37813_7537.N1	24-MAY-2009 17:07:19	Straylight	35.500	25	35Lam Sco	1.6200	28000.	71	37813	No
134	GOM_NL__2PRFIN20090524_171525_000000402079_00184_37813_7538.N1	24-MAY-2009 17:15:25	Bright	40.000	86	35Eta Oph	2.4300	10200.	80	37813	No
135	GOM_NL__2PRFIN20090524_171724_000000372079_00184_37813_7539.N1	24-MAY-2009 17:17:24	Bright	36.500	98	13Zet Oph	2.5710	30000.	73	37813	No
136	GOM_NL__2PRFIN20090524_171942_000000352079_00184_37813_7540.N1	24-MAY-2009 17:19:42	Bright	35.000	120	1Del Oph	2.7340	3200.0	70	37813	No
137	GOM_NL__2PRFIN20090524_172834_000000402079_00184_37813_7541.N1	24-MAY-2009 17:28:34	Bright	40.000	127	27Bet Her	2.7810	4700.0	80	37813	No
138	GOM_NL__2PRFIN20090524_173215_000000412079_00184_37813_7542.N1	24-MAY-2009 17:32:15	Bright	41.000	133	40Zet Her	2.8070	6000.0	82	37813	No
139	GOM_NL__2PRFIN20090524_173955_000000392079_00184_37813_7543.N1	24-MAY-2009 17:39:55	Bright	39.000	130	23Bet Dra	2.7990	5800.0	78	37813	No
140	GOM_NL__2PRFIN20090524_175031_000000342079_00184_37813_7544.N1	24-MAY-2009 17:50:31	Bright	34.000	89	5Alp Cep	2.4510	8000.0	68	37813	No
141	GOM_NL__2PRFIN20090524_180440_000000292079_00184_37813_7545.N1	24-MAY-2009 18:04:40	Twilight	29.000	58	21Alp And	2.0730	11000.	58	37813	No
142	GOM_NL__2PRFIN20090524_180910_000000292079_00184_37813_7546.N1	24-MAY-2009 18:09:10	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37813	No
143	GOM_NL__2PRFIN20090524_182539_000000402079_00184_37813_7547.N1	24-MAY-2009 18:25:39	Dark	39.500	18	24Alp PsA	1.1660	9700.0	79	37813	No
144	GOM_NL__2PRFIN20090524_183114_000000432079_00185_37814_7549.N1	24-MAY-2009 18:31:14	Dark	43.000	172	Gam Gru	3.0030	13100.	86	37814	No
145	GOM_NL__2PRFIN20090524_184634_000000352079_00185_37814_7550.N1	24-MAY-2009 18:46:34	Straylight	35.000	178	lot1Sco	3.0220	6550.0	70	37814	No
146	GOM_NL__2PRFIN20090524_184756_000000352079_00185_37814_7551.N1	24-MAY-2009 18:47:56	Straylight	35.000	25	35Lam Sco	1.6200	28000.	70	37814	No
147	GOM_NL__2PRFIN20090524_185601_000000392079_00185_37814_7552.N1	24-MAY-2009 18:56:01	Bright	39.000	86	35Eta Oph	2.4300	10200.	78	37814	No
148	GOM_NL__2PRFIN20090524_185800_000000362079_00185_37814_7553.N1	24-MAY-2009 18:58:00	Bright	36.000	98	13Zet Oph	2.5710	30000.	72	37814	No
149	GOM_NL__2PRFIN20090524_190018_000000352079_00185_37814_7554.N1	24-MAY-2009 19:00:18	Bright	34.500	120	1Del Oph	2.7340	3200.0	69	37814	No
150	GOM_NL__2PRFIN20090524_190910_000000392079_00185_37814_7555.N1	24-MAY-2009 19:09:10	Bright	39.000	127	27Bet Her	2.7810	4700.0	78	37814	No
151	GOM_NL__2PRFIN20090524_191250_000000402079_00185_37814_7556.N1	24-MAY-2009 19:12:50	Bright	40.000	133	40Zet Her	2.8070	6000.0	80	37814	No
152	GOM_NL__2PRFIN20090524_192030_000000392079_00185_37814_7557.N1	24-MAY-2009 19:20:30	Bright	38.500	130	23Bet Dra	2.7990	5800.0	77	37814	No
153	GOM_NL__2PRFIN20090524_193106_000000342079_00185_37814_7558.N1	24-MAY-2009 19:31:06	Bright	33.500	89	5Alp Cep	2.4510	8000.0	67	37814	No
154	GOM_NL__2PRFIN20090524_194516_000000282079_00185_37814_7559.N1	24-MAY-2009 19:45:16	Twilight	28.000	58	21Alp And	2.0730	11000.	56	37814	No
155	GOM_NL__2PRFIN20090524_194946_000000292079_00185_37814_7560.N1	24-MAY-2009 19:49:46	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37814	No
156	GOM_NL__2PRFIN20090524_200616_000000382079_00185_37814_7561.N1	24-MAY-2009 20:06:16	Dark	38.000	18	24Alp PsA	1.1660	9700.0	76	37814	No
157	GOM_NL__2PRFIN20090524_201151_000000422079_00186_37815_7564.N1	24-MAY-2009 20:11:51	Dark	42.000	172	Gam Gru	3.0030	13100.	84	37815	No
158	GOM_NL__2PRFIN20090524_202711_000000362079_00186_37815_7565.N1	24-MAY-2009 20:27:11	Straylight	35.500	178	lot1Sco	3.0220	6550.0	71	37815	No
159	GOM_NL__2PRFIN20090524_202832_000000362079_00186_37815_7566.N1	24-MAY-2009 20:28:32	Straylight	35.500	25	35Lam Sco	1.6200	28000.	71	37815	No
160	GOM_NL__2PRFIN20090524_203637_000000402079_00186_37815_7567.N1	24-MAY-2009 20:36:37	Bright	39.500	86	35Eta Oph	2.4300	10200.	79	37815	No

161	GOM_NL__2PRFIN20090524_203836_000000362079_00186_37815_7568.N1	24-MAY-2009 20:38:36	Bright	36.000	98	13Zet Oph	2.5710	30000.	72	37815	No
162	GOM_NL__2PRFIN20090524_204054_000000342079_00186_37815_7569.N1	24-MAY-2009 20:40:54	Bright	34.000	120	1Del Oph	2.7340	3200.0	68	37815	No
163	GOM_NL__2PRFIN20090524_204946_000000392079_00186_37815_7570.N1	24-MAY-2009 20:49:46	Bright	38.500	127	27Bet Her	2.7810	4700.0	77	37815	No
164	GOM_NL__2PRFIN20090524_205325_000000402079_00186_37815_7571.N1	24-MAY-2009 20:53:25	Bright	39.500	133	40Zet Her	2.8070	6000.0	79	37815	No
165	GOM_NL__2PRFIN20090524_210105_000000392079_00186_37815_7572.N1	24-MAY-2009 21:01:05	Bright	38.500	130	23Bet Dra	2.7990	5800.0	77	37815	No
166	GOM_NL__2PRFIN20090524_211141_000000342079_00186_37815_7573.N1	24-MAY-2009 21:11:41	Bright	34.000	89	5Alp Cep	2.4510	8000.0	68	37815	No
167	GOM_NL__2PRFIN20090524_212552_000000292079_00186_37815_7574.N1	24-MAY-2009 21:25:52	Twilight	28.500	58	21Alp And	2.0730	11000.	57	37815	No
168	GOM_NL__2PRFIN20090524_213023_000000292079_00186_37815_7575.N1	24-MAY-2009 21:30:23	Dark	28.500	140	88Gam Peg	2.8340	26000.	57	37815	No
169	GOM_NL__2PRFIN20090524_214653_000000392079_00186_37815_7576.N1	24-MAY-2009 21:46:53	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37815	No
170	GOM_NL__2PRFIN20090524_215228_000000432079_00187_37816_7579.N1	24-MAY-2009 21:52:28	Dark	42.500	172	Gam Gru	3.0030	13100.	85	37816	No
171	GOM_NL__2PRFIN20090524_220747_000000362079_00187_37816_7580.N1	24-MAY-2009 22:07:47	Straylight	35.500	178	1ot1Sco	3.0220	6550.0	71	37816	No
172	GOM_NL__2PRFIN20090524_220909_000000362079_00187_37816_7581.N1	24-MAY-2009 22:09:09	Straylight	35.500	25	35Lam Sco	1.6200	28000.	71	37816	No
173	GOM_NL__2PRFIN20090524_221713_000000402079_00187_37816_7582.N1	24-MAY-2009 22:17:13	Bright	39.500	86	35Eta Oph	2.4300	10200.	79	37816	No
174	GOM_NL__2PRFIN20090524_221912_000000362079_00187_37816_7583.N1	24-MAY-2009 22:19:12	Bright	35.500	98	13Zet Oph	2.5710	30000.	71	37816	No
175	GOM_NL__2PRFIN20090524_222129_000000352079_00187_37816_7584.N1	24-MAY-2009 22:21:29	Bright	34.500	120	1Del Oph	2.7340	3200.0	69	37816	No
176	GOM_NL__2PRFIN20090524_223021_000000392079_00187_37816_7585.N1	24-MAY-2009 22:30:21	Bright	39.000	127	27Bet Her	2.7810	4700.0	78	37816	No
177	GOM_NL__2PRFIN20090524_223400_000000402079_00187_37816_7586.N1	24-MAY-2009 22:34:00	Bright	40.000	133	40Zet Her	2.8070	6000.0	80	37816	No
178	GOM_NL__2PRFIN20090524_224140_000000392079_00187_37816_7587.N1	24-MAY-2009 22:41:40	Bright	38.500	130	23Bet Dra	2.7990	5800.0	77	37816	No
179	GOM_NL__2PRFIN20090524_225217_000000342079_00187_37816_7588.N1	24-MAY-2009 22:52:17	Bright	33.500	89	5Alp Cep	2.4510	8000.0	67	37816	No
180	GOM_NL__2PRFIN20090524_230628_000000292079_00187_37816_7589.N1	24-MAY-2009 23:06:28	Twilight	28.500	58	21Alp And	2.0730	11000.	57	37816	No
181	GOM_NL__2PRFIN20090524_231059_000000292079_00187_37816_7590.N1	24-MAY-2009 23:10:59	Dark	29.000	140	88Gam Peg	2.8340	26000.	58	37816	No
182	GOM_NL__2PRFIN20090524_232730_000000392079_00187_37816_7591.N1	24-MAY-2009 23:27:30	Dark	38.500	18	24Alp PsA	1.1660	9700.0	77	37816	No
183	GOM_NL__2PRFIN20090524_233305_000000422079_00188_37817_7601.N1	24-MAY-2009 23:33:05	Dark	42.000	172	Gam Gru	3.0030	13100.	84	37817	No
184	GOM_NL__2PRFIN20090524_234823_000000362079_00188_37817_7602.N1	24-MAY-2009 23:48:23	Straylight	36.000	178	1ot1Sco	3.0220	6550.0	72	37817	No
185	GOM_NL__2PRFIN20090524_234945_000000362079_00188_37817_7603.N1	24-MAY-2009 23:49:45	Straylight	36.000	25	35Lam Sco	1.6200	28000.	72	37817	No
186	GOM_NL__2PRFIN20090524_235749_000000402079_00188_37817_7604.N1	24-MAY-2009 23:57:49	Bright	39.500	86	35Eta Oph	2.4300	10200.	79	37817	No
187	GOM_NL__2PRFIN20090524_235948_000000362079_00188_37817_7605.N1	24-MAY-2009 23:59:48	Bright	36.000	98	13Zet Oph	2.5710	30000.	72	37817	No

### 3. Quality information per product

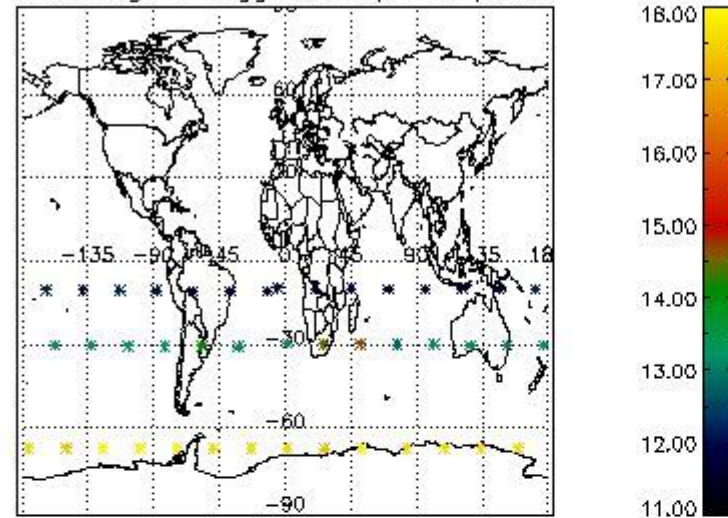
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

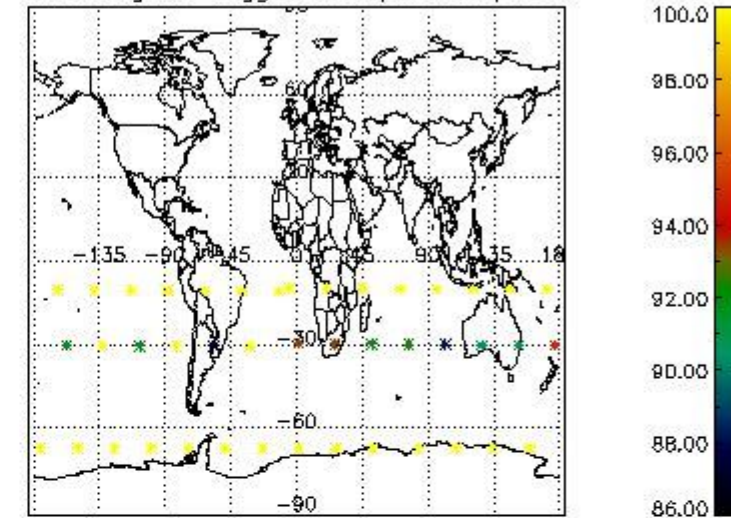


3.2 Plot quality information per product (world map)

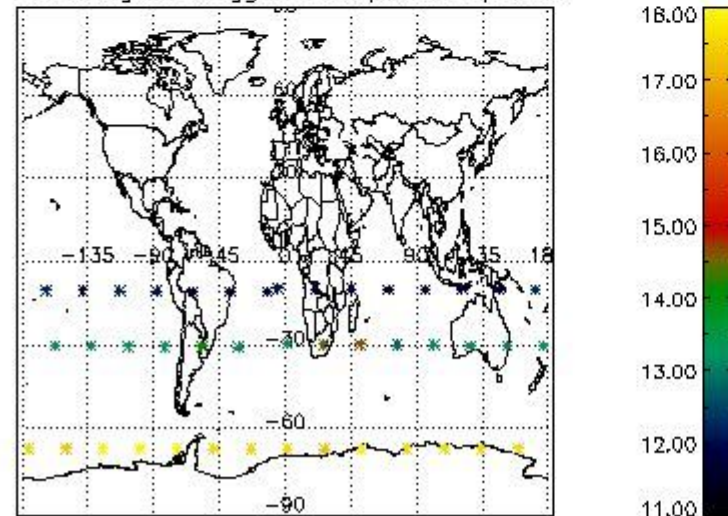
Percentage of flagged data per O3 profile



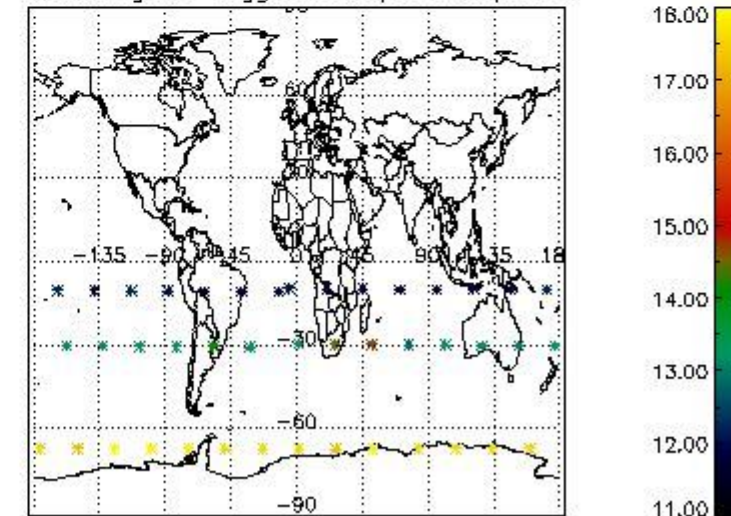
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile



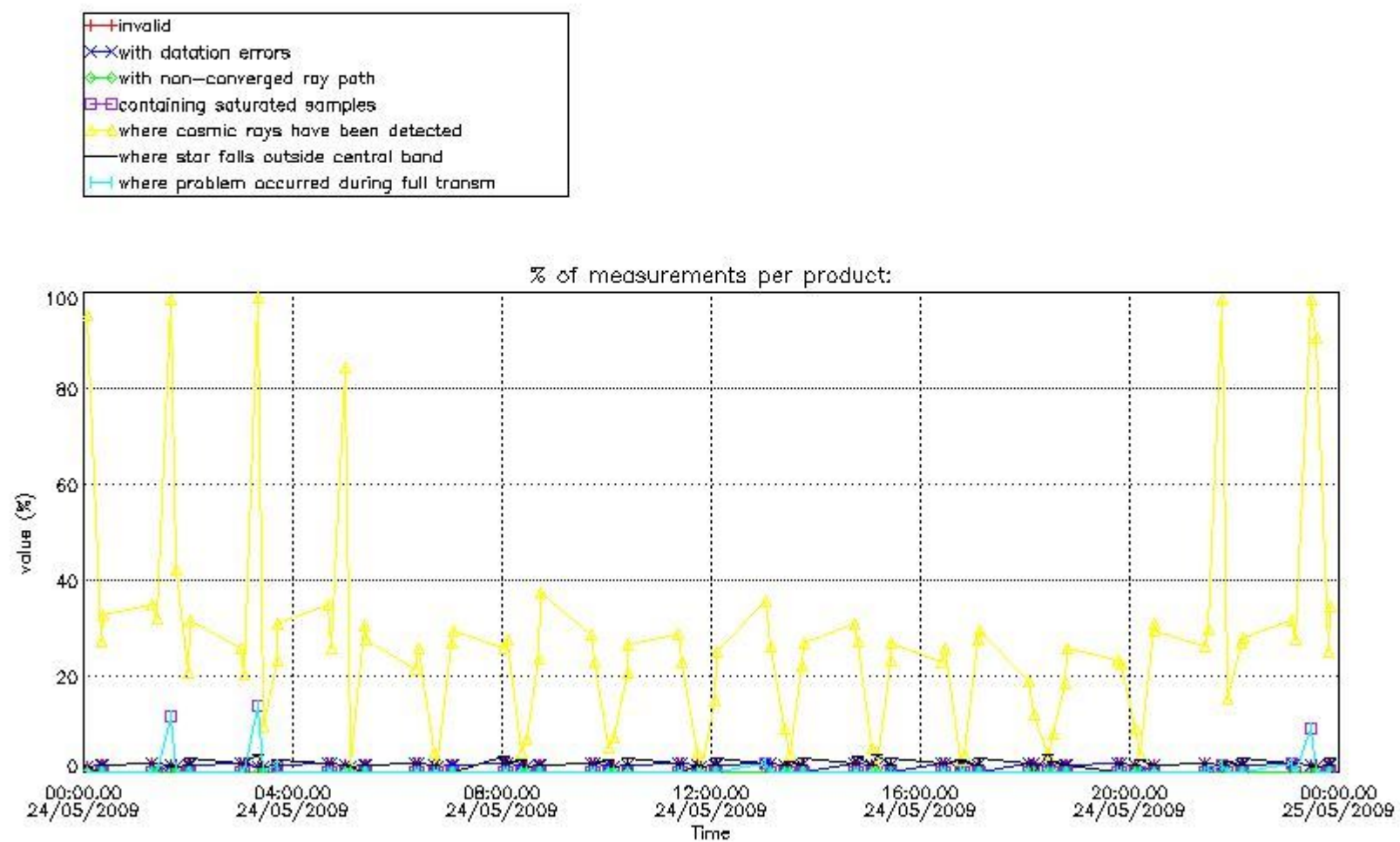
#### 4. Level 1 quality information per product

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.

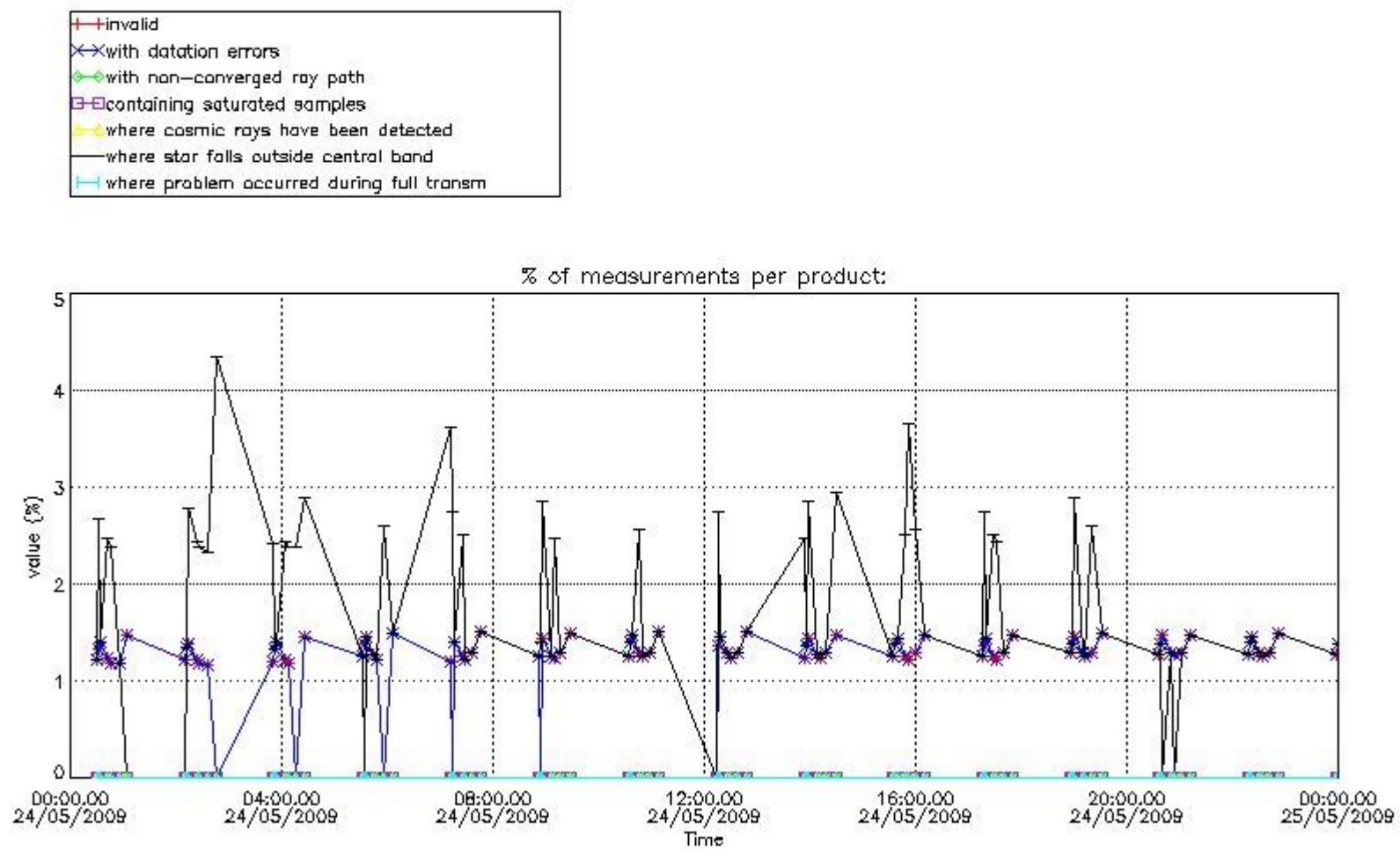
##### 4.1 Plot quality information per product (time dependant) coming from level 1b processing

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





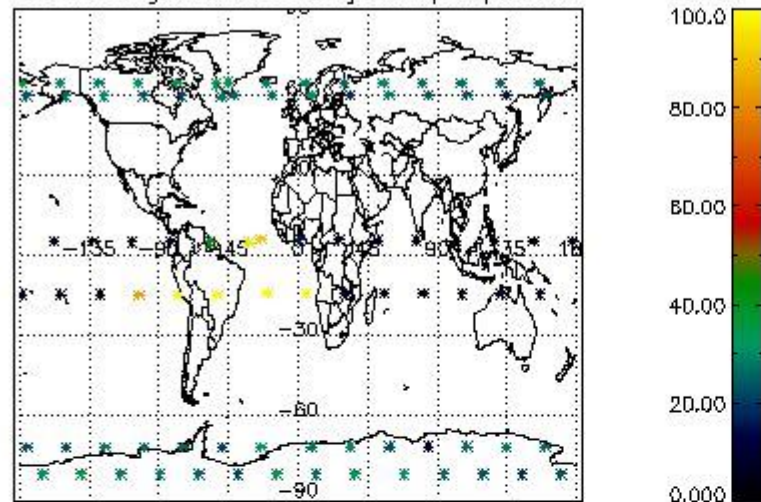
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



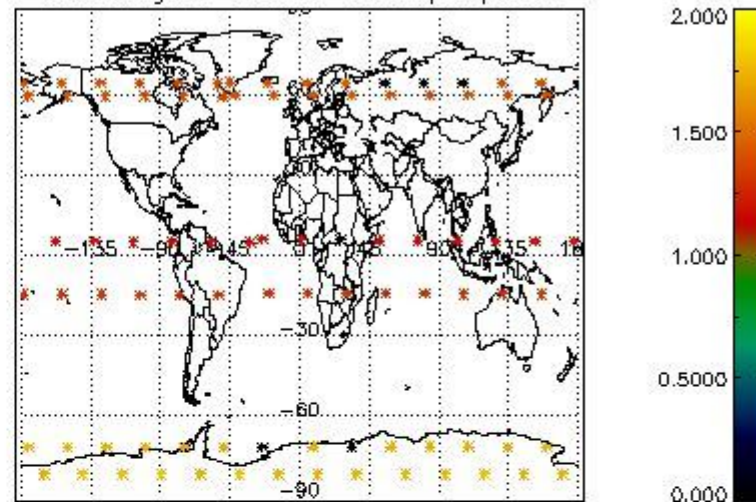
*4.2 Plot quality information per product coming from level 1b processing (world map)*

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

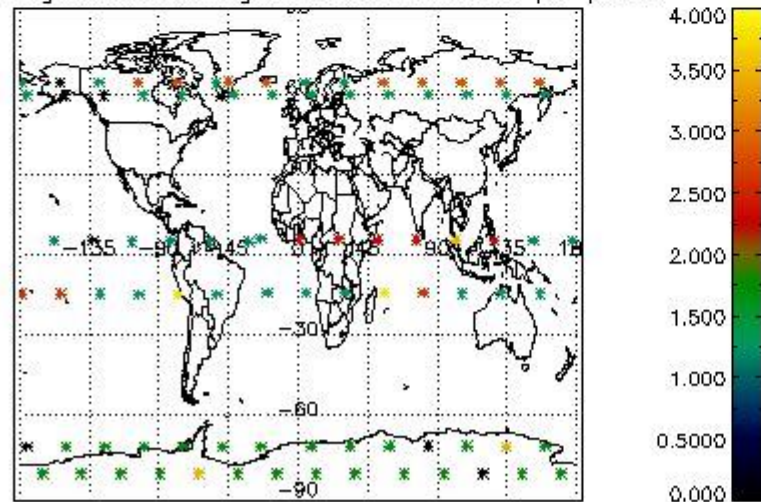
Percentage of cosmic ray hits per profile



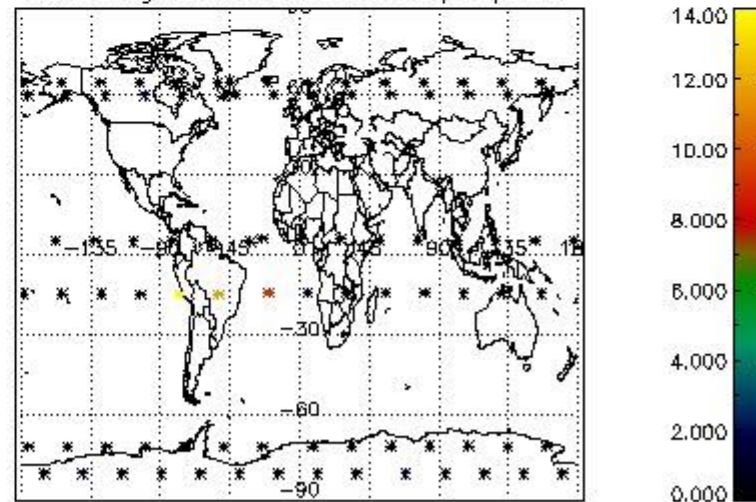
Percentage of datation errors per profile



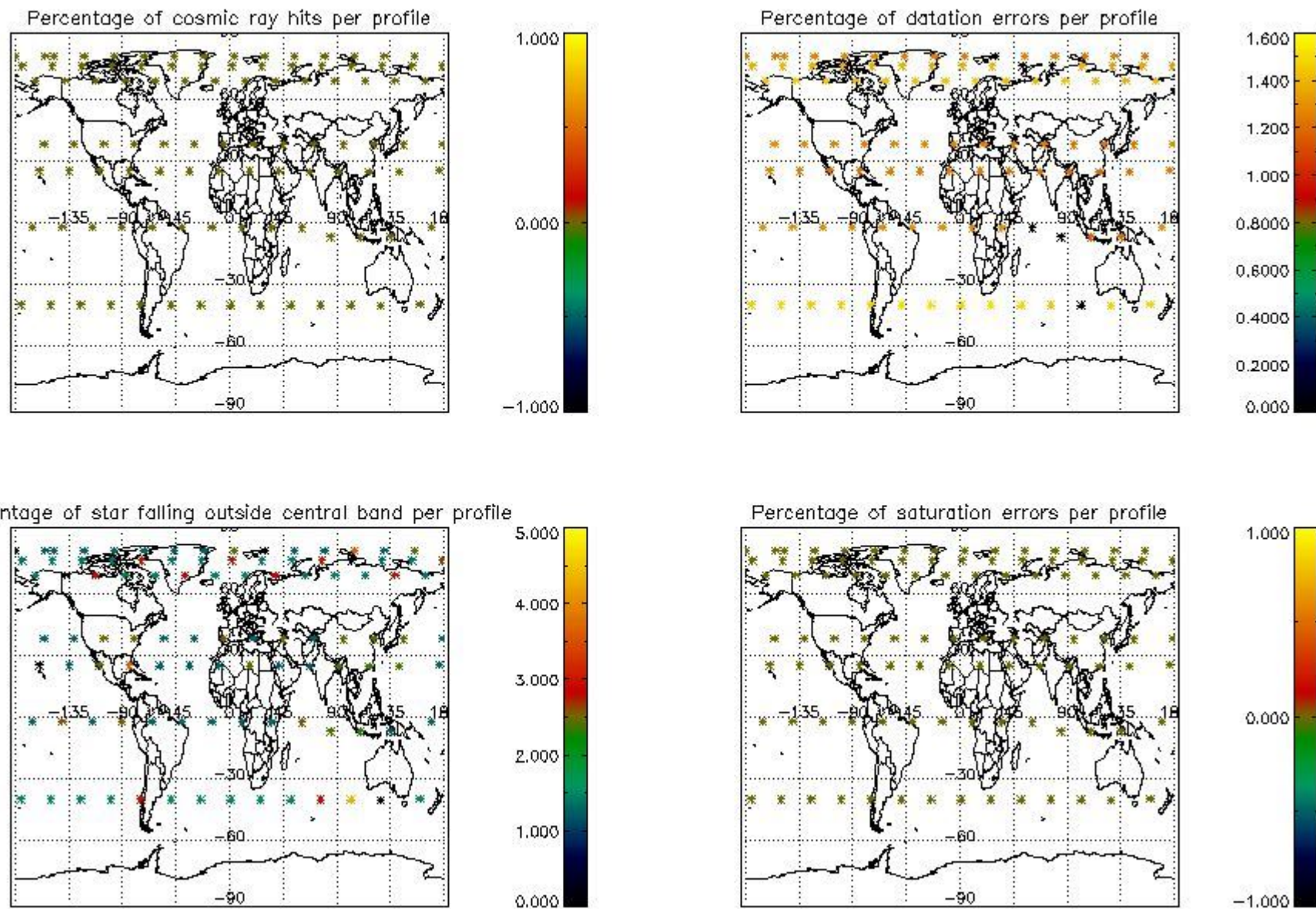
Percentage of star falling outside central band per profile



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

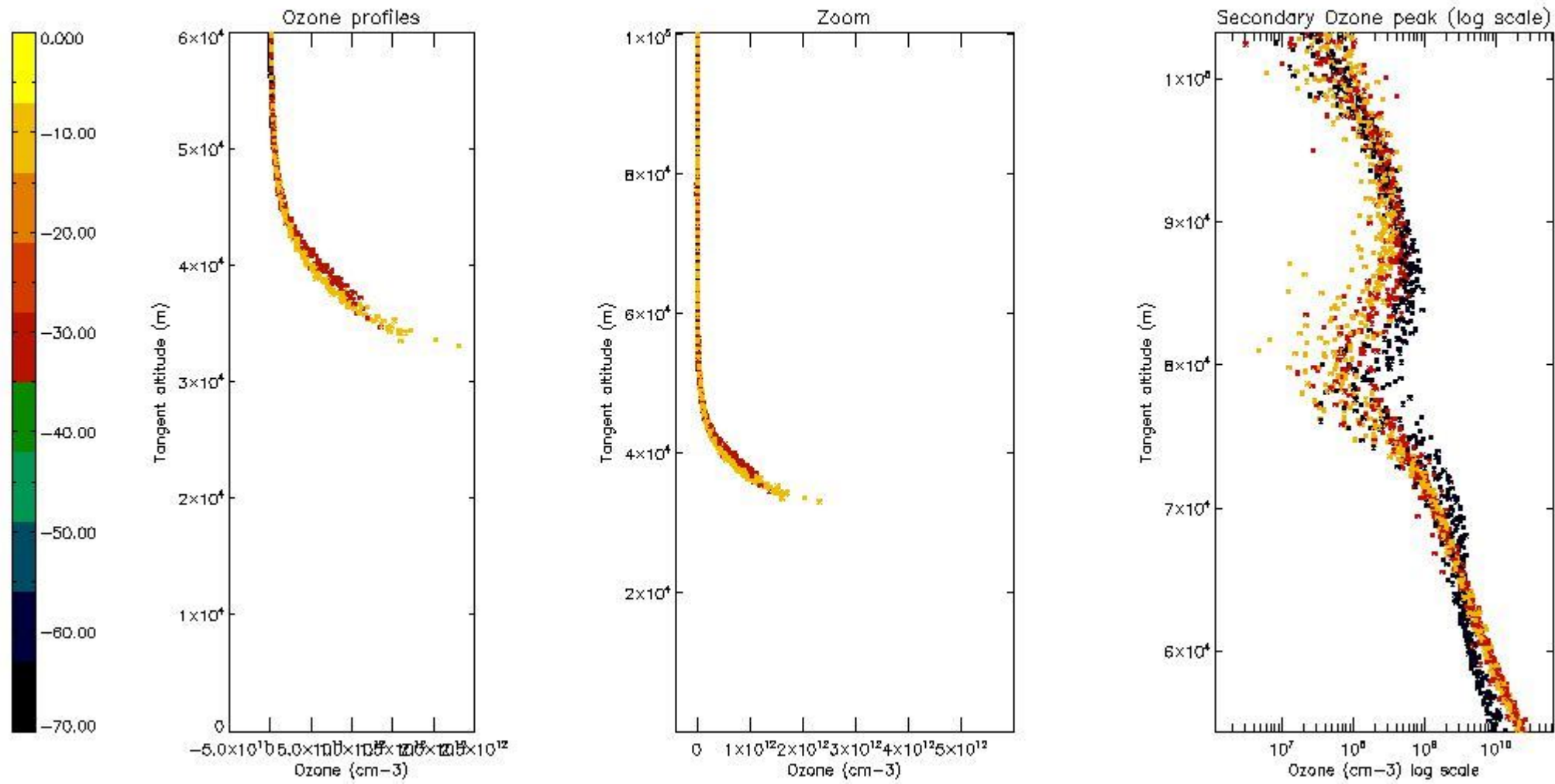
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	23
STD < 20	12

STD < 10	9
STD < 5	6

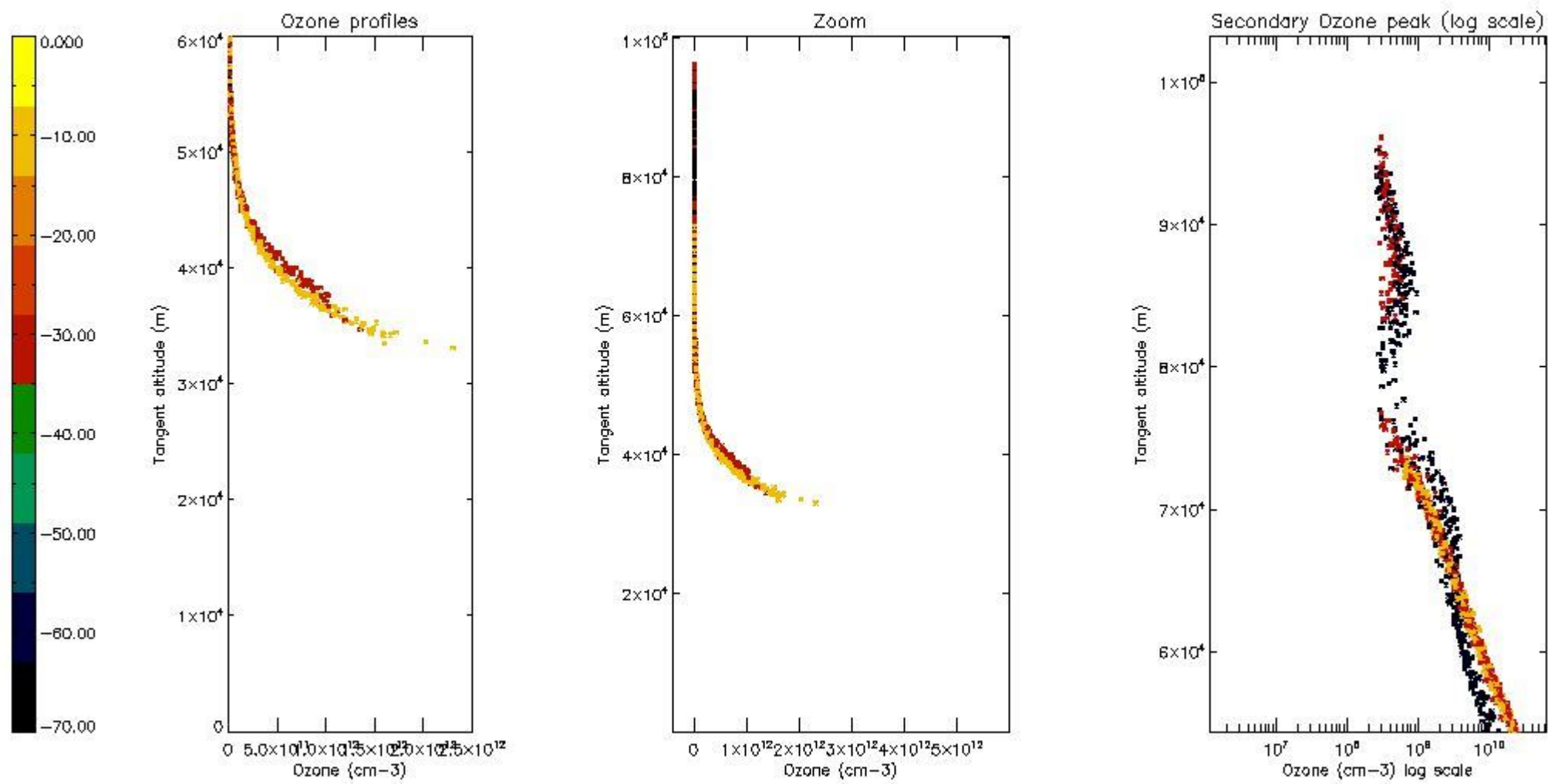
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



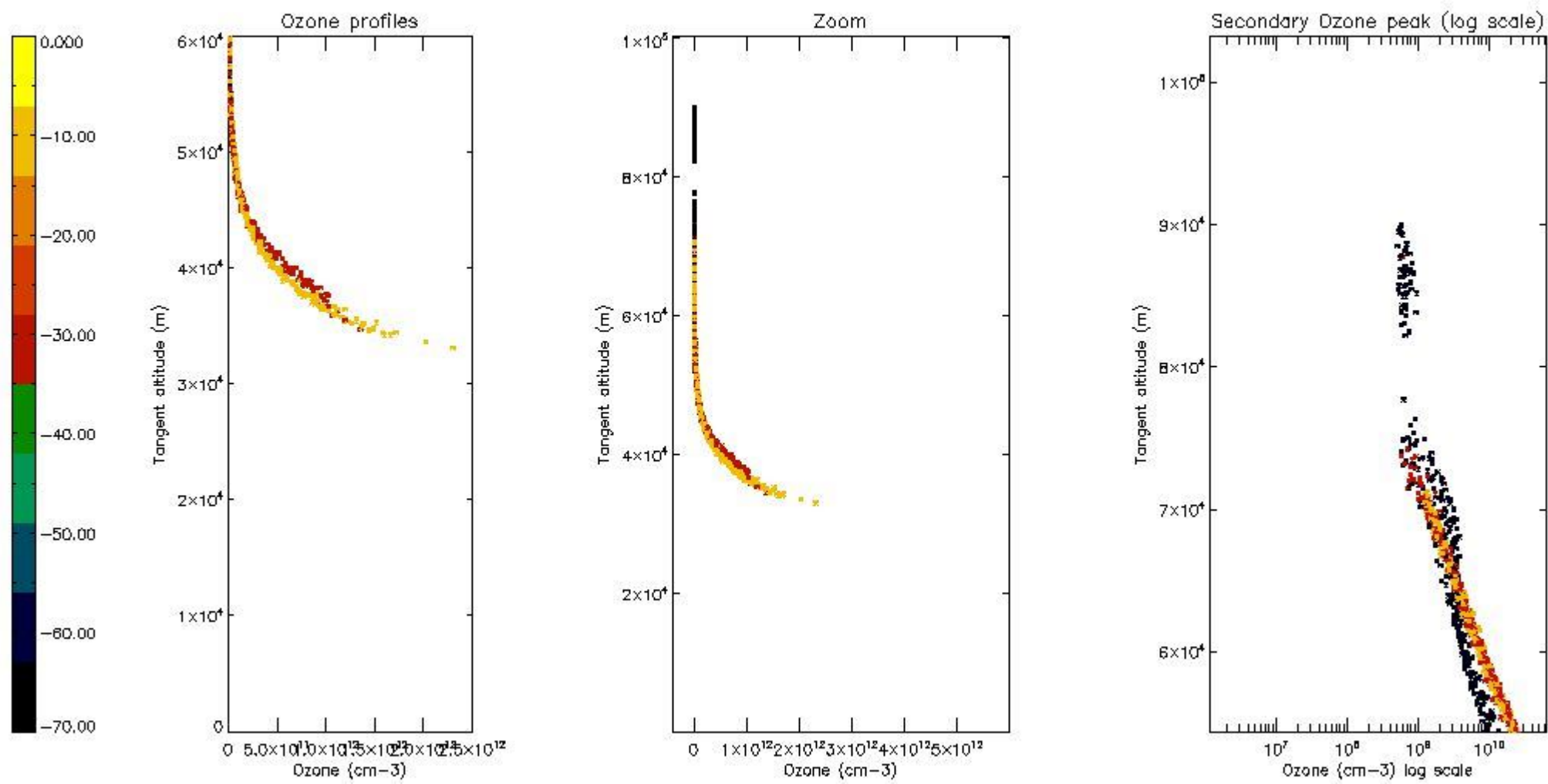
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



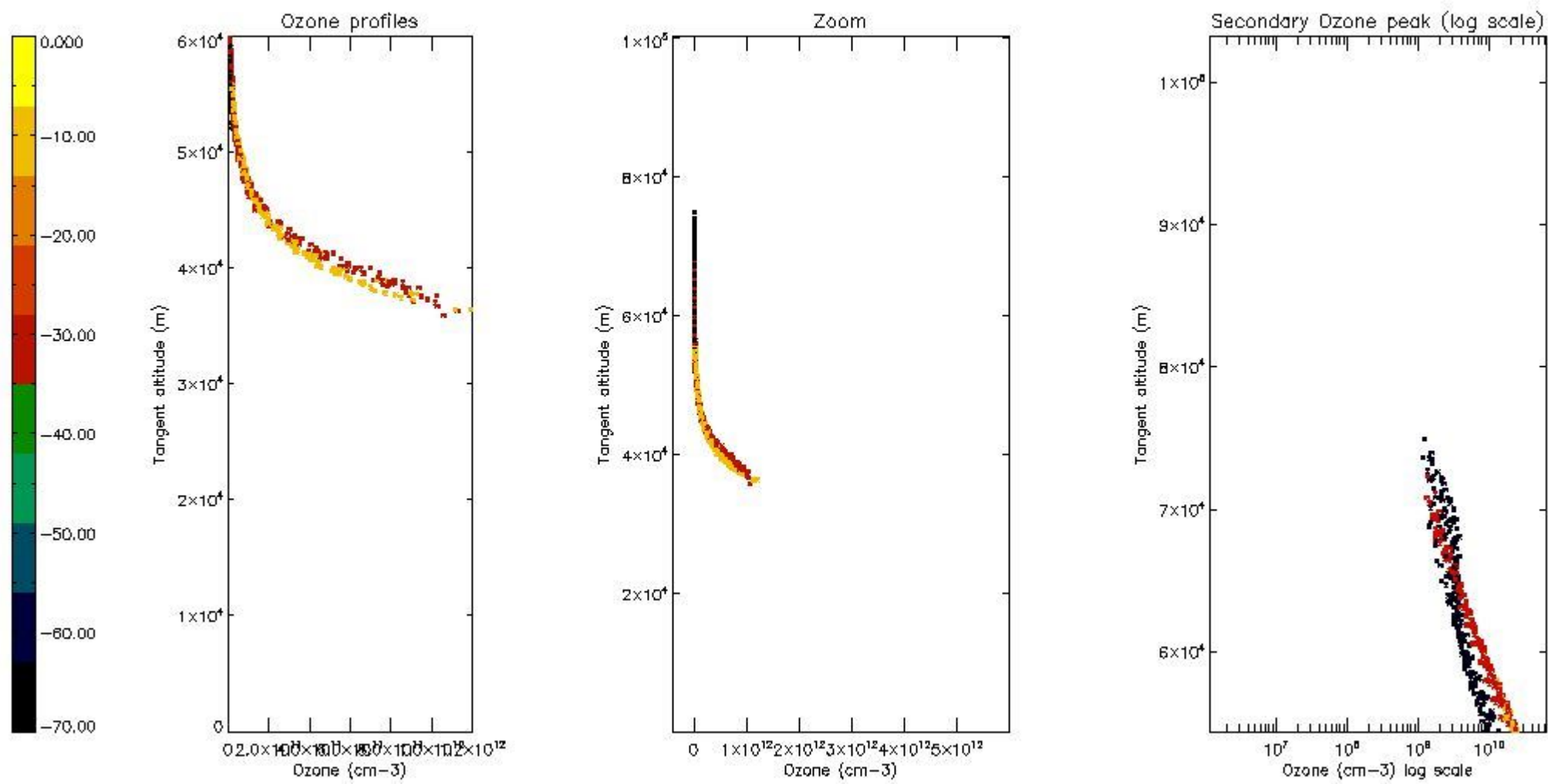
5.4 Plot ozone profiles where  $STD < 10\%$  (dark without errors)

The colorbar represents the latitude.



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

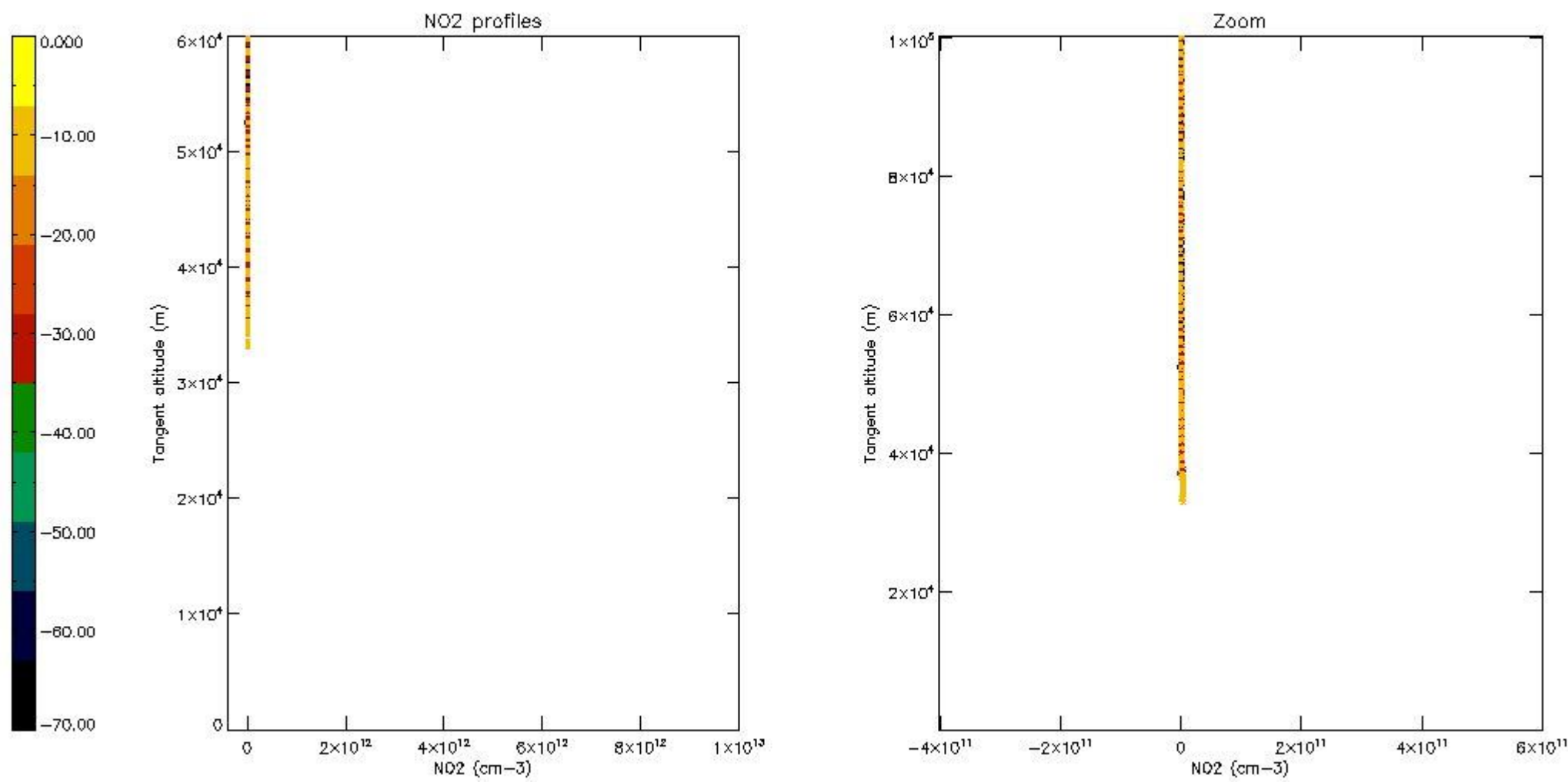
The colorbar represents the latitude.



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

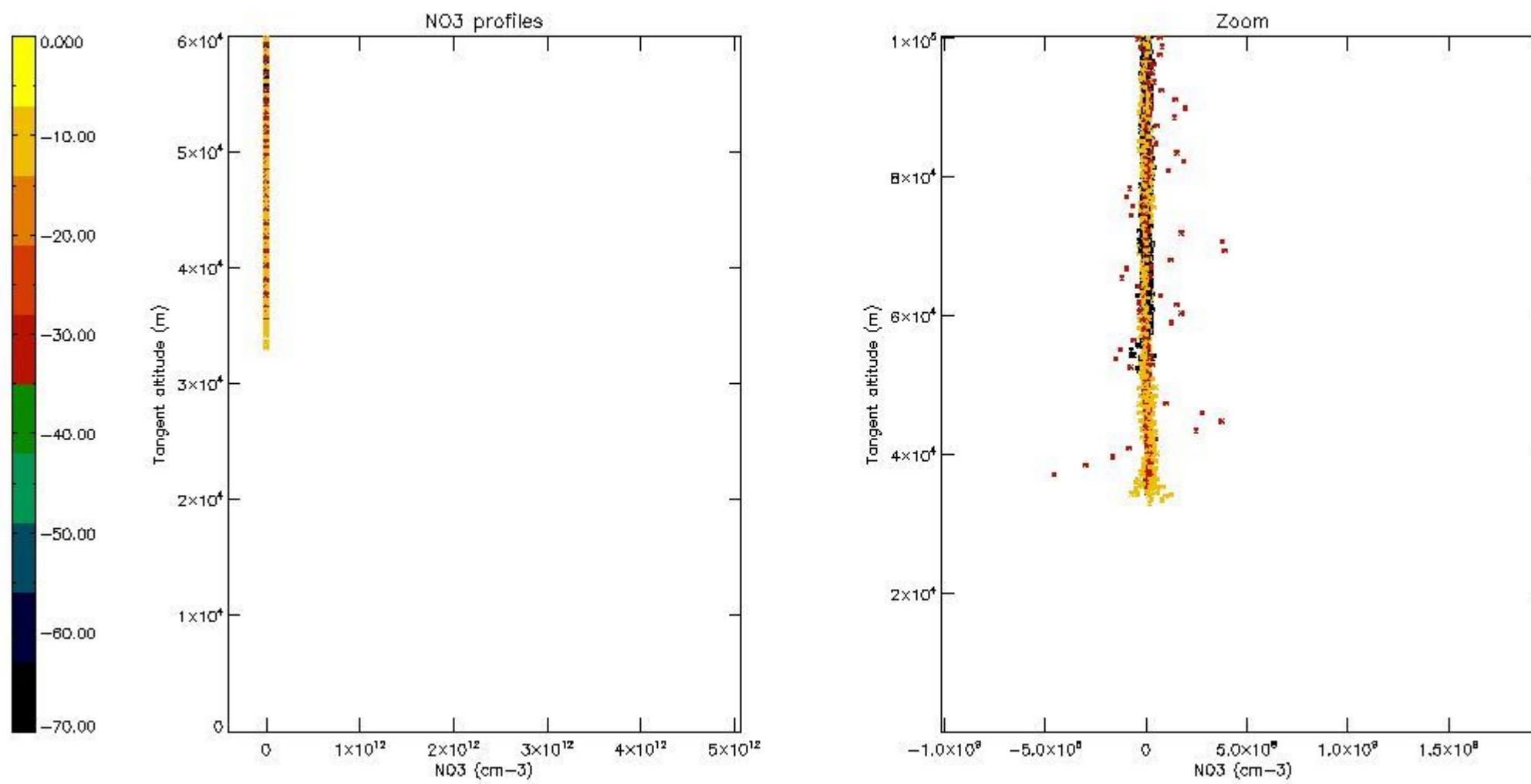
The colorbar represents the latitude.





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

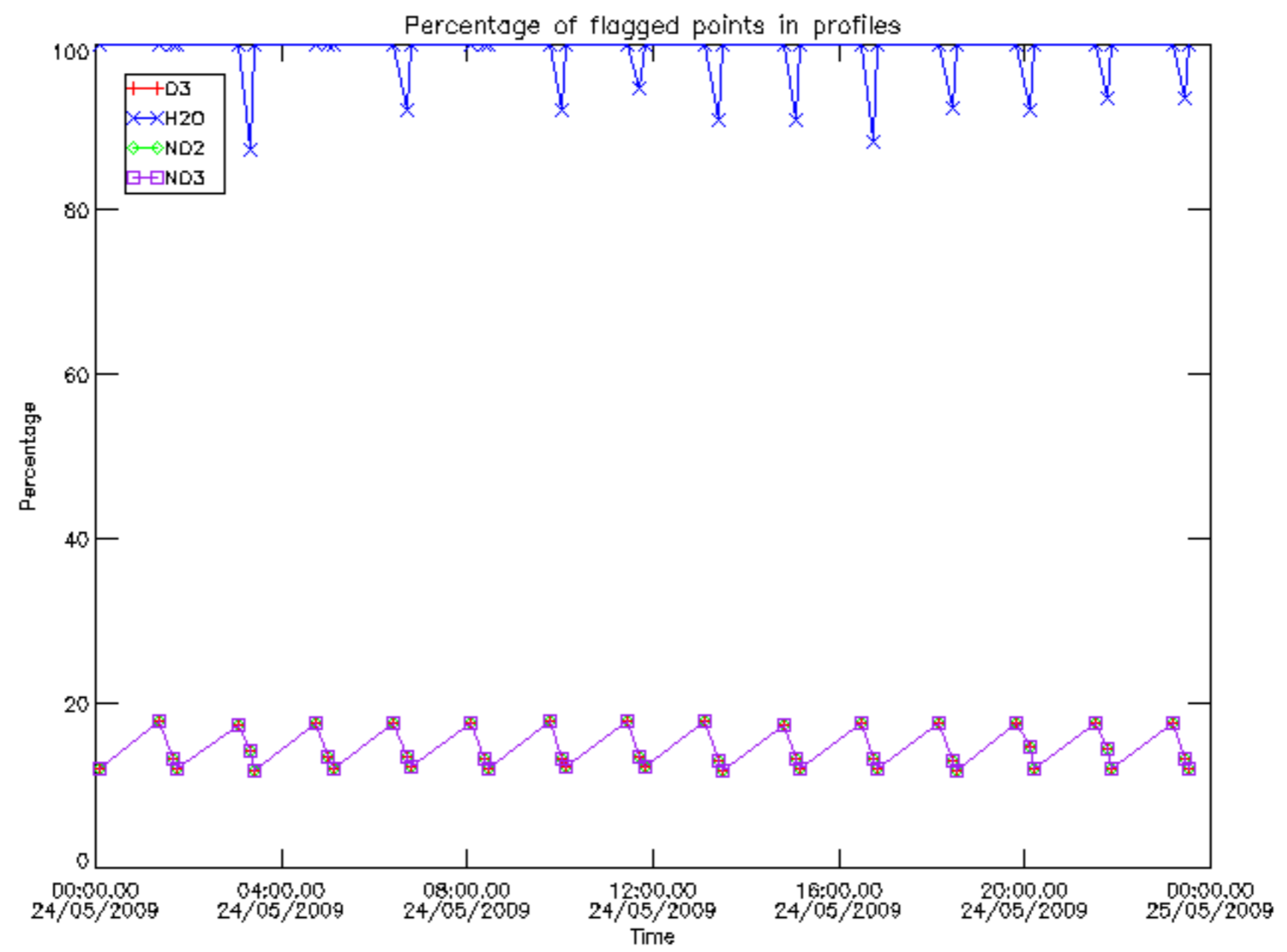
The colorbar represents the latitude.



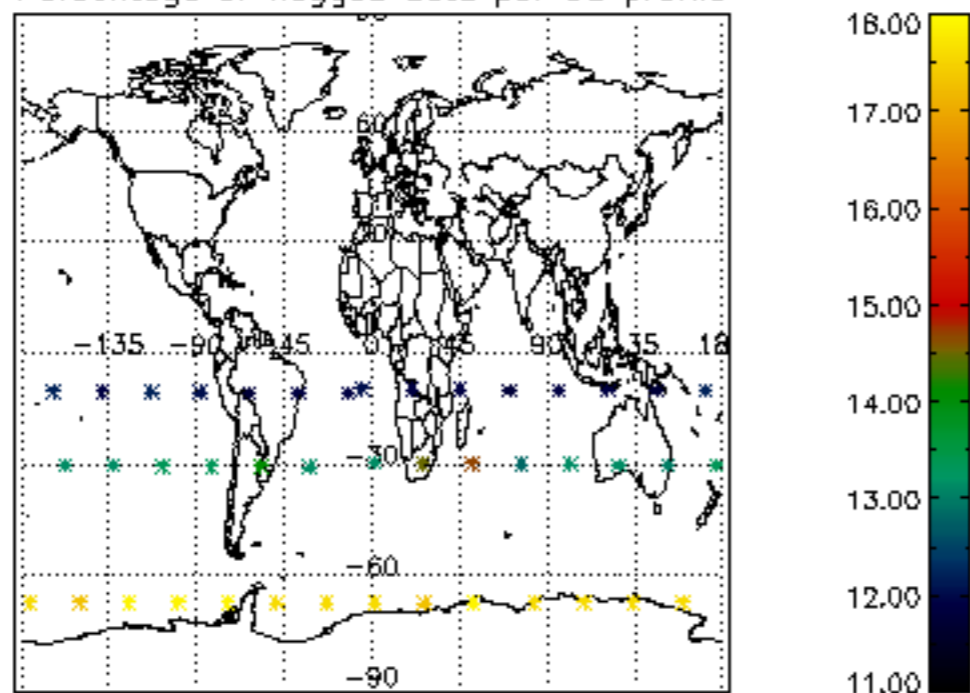
## 6. Auxiliary Data Files used for the production reported in section 2

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.

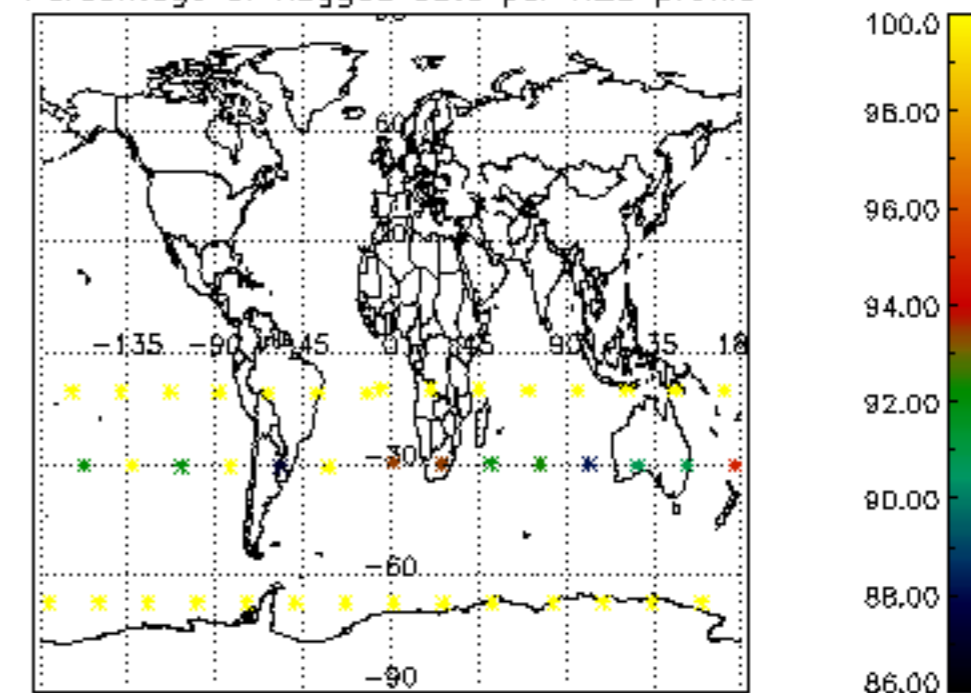
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	24-MAY-2009 00:04:25
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	24-MAY-2009 00:04:25
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	24-MAY-2009 00:04:25



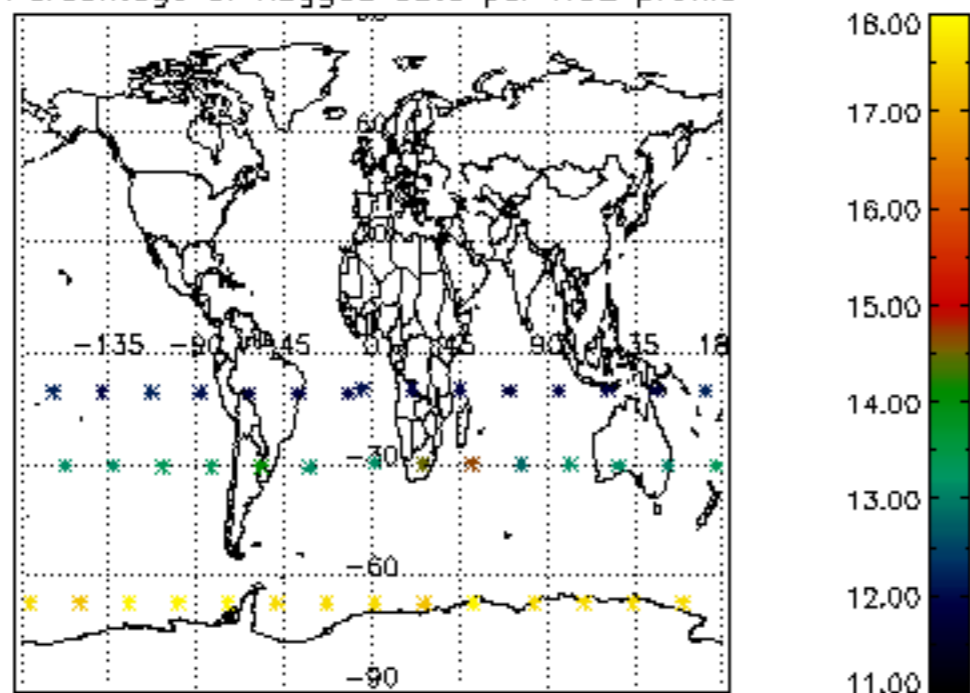
Percentage of flagged data per D3 profile



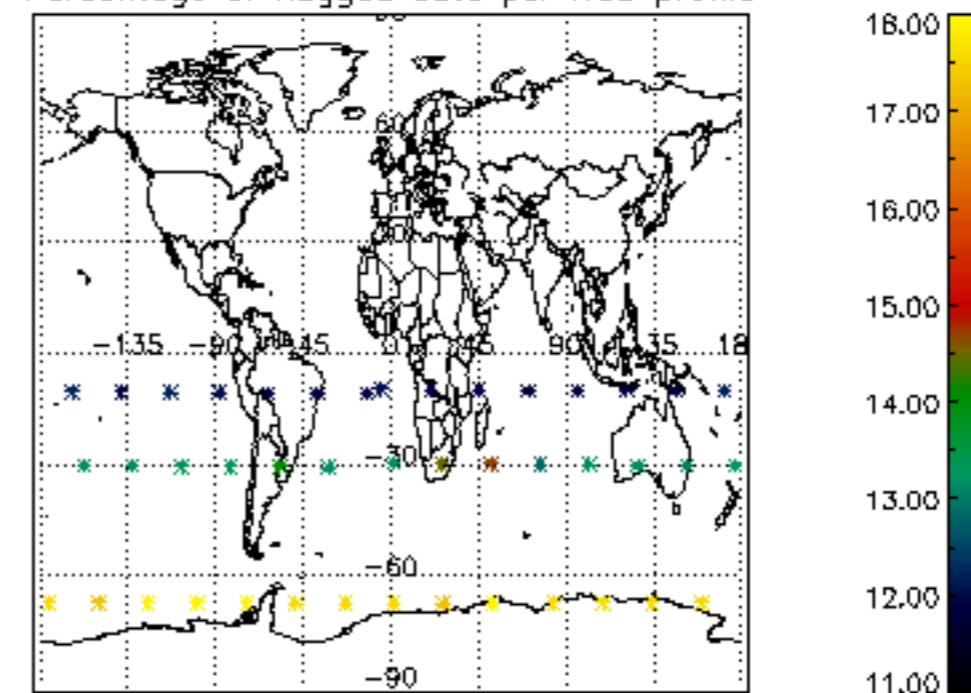
Percentage of flagged data per H2O profile

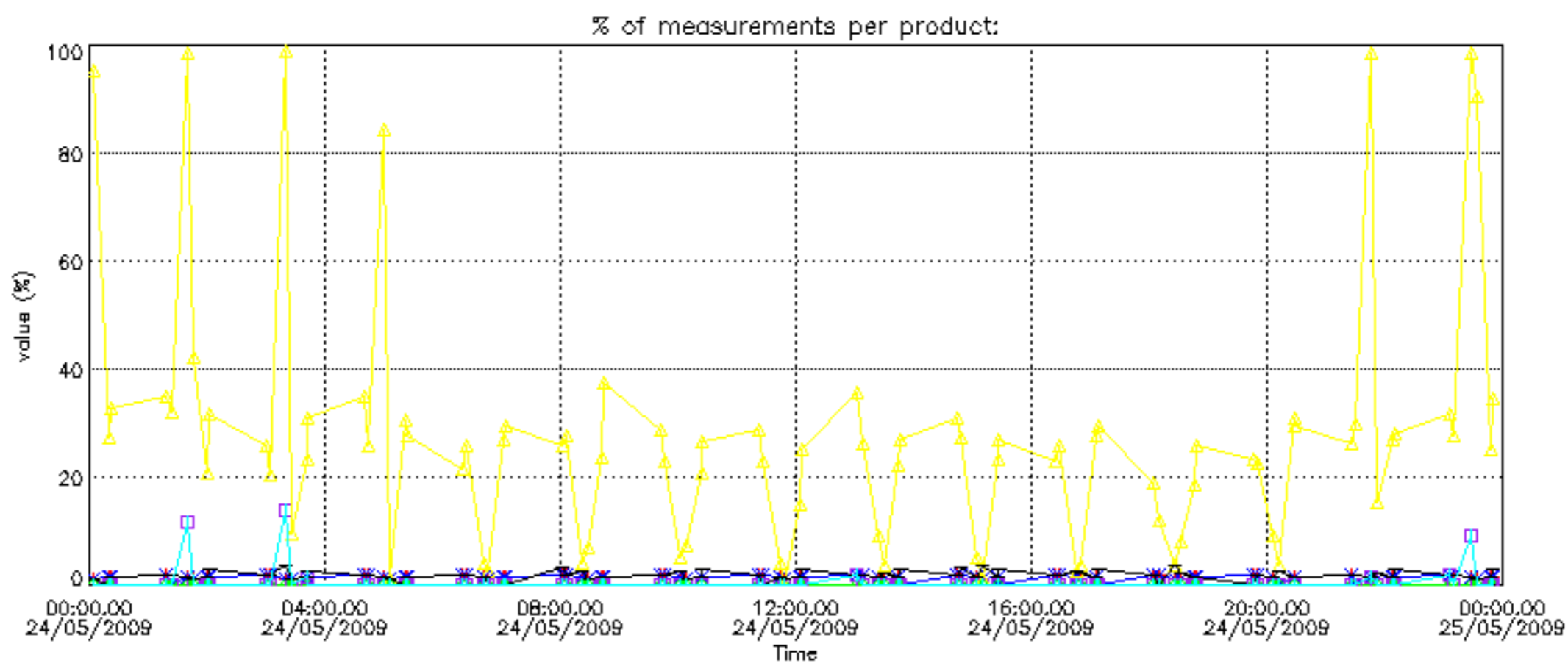


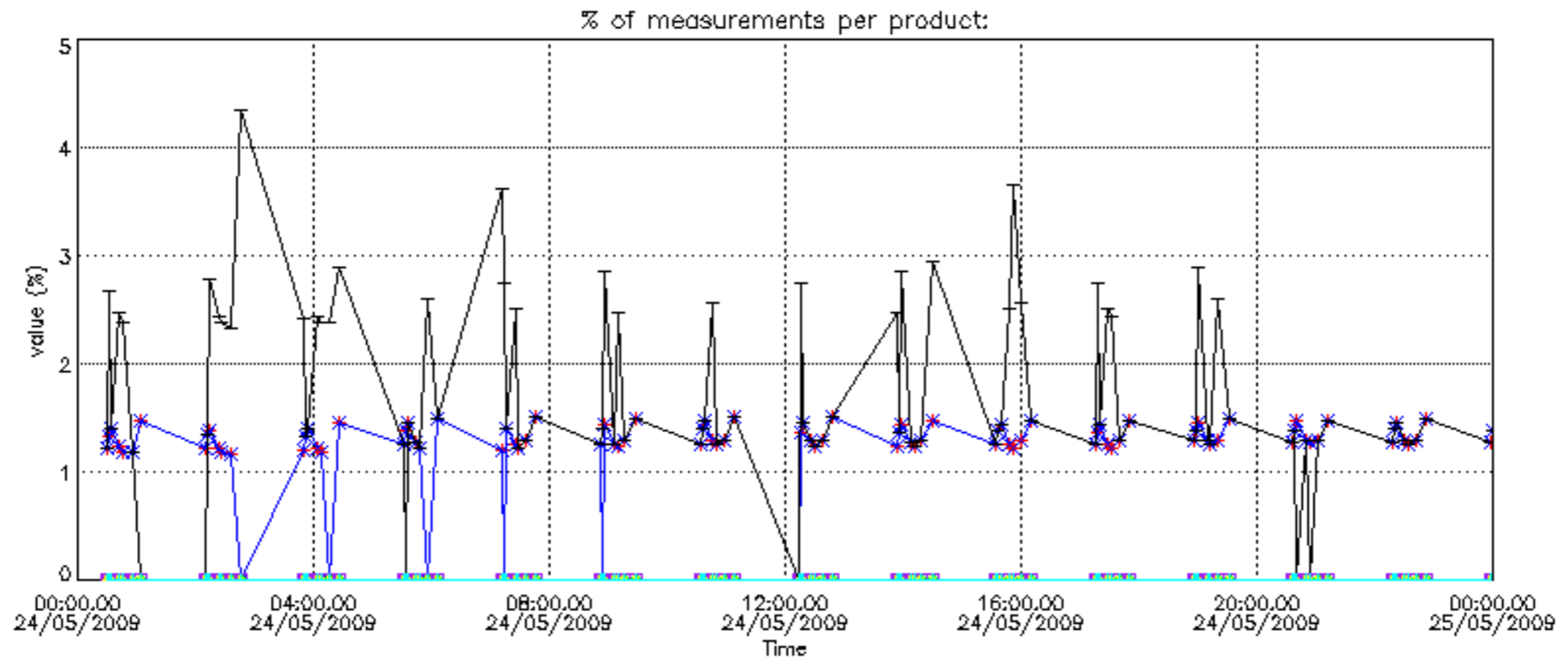
Percentage of flagged data per NO2 profile



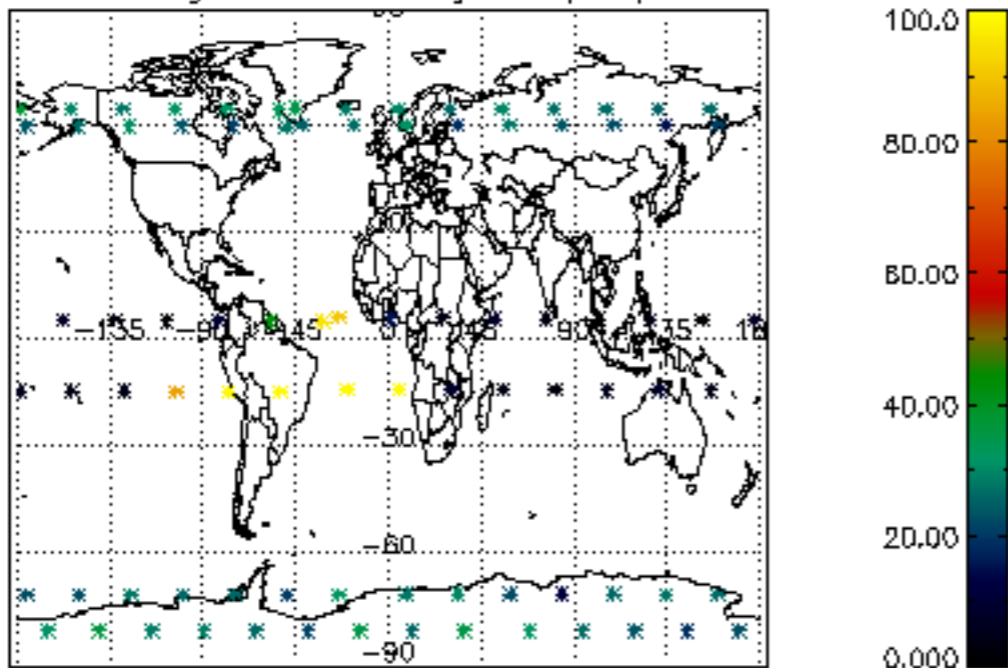
Percentage of flagged data per NO3 profile



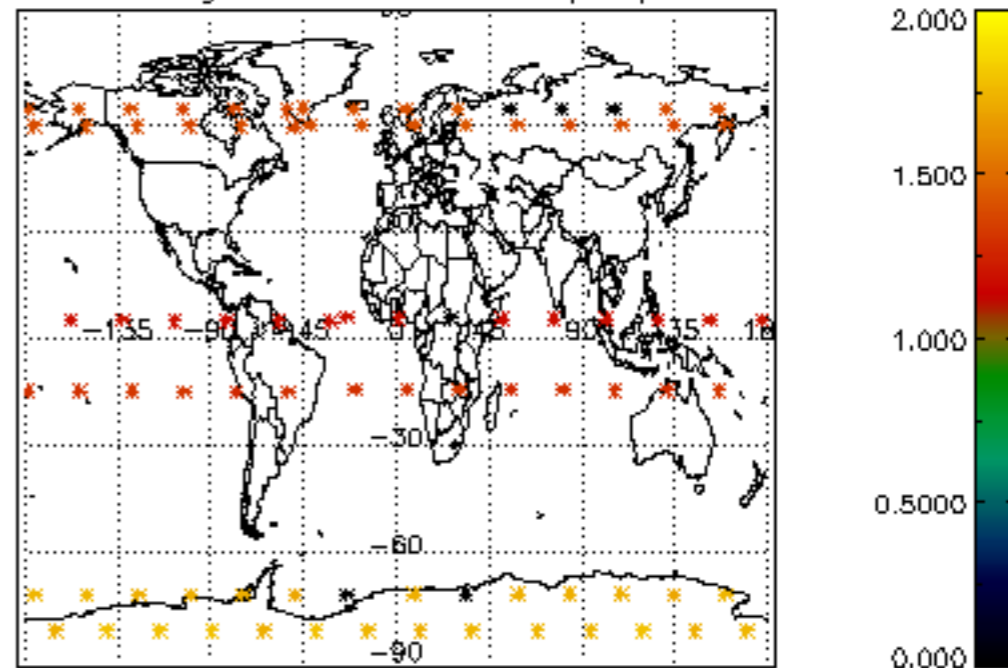




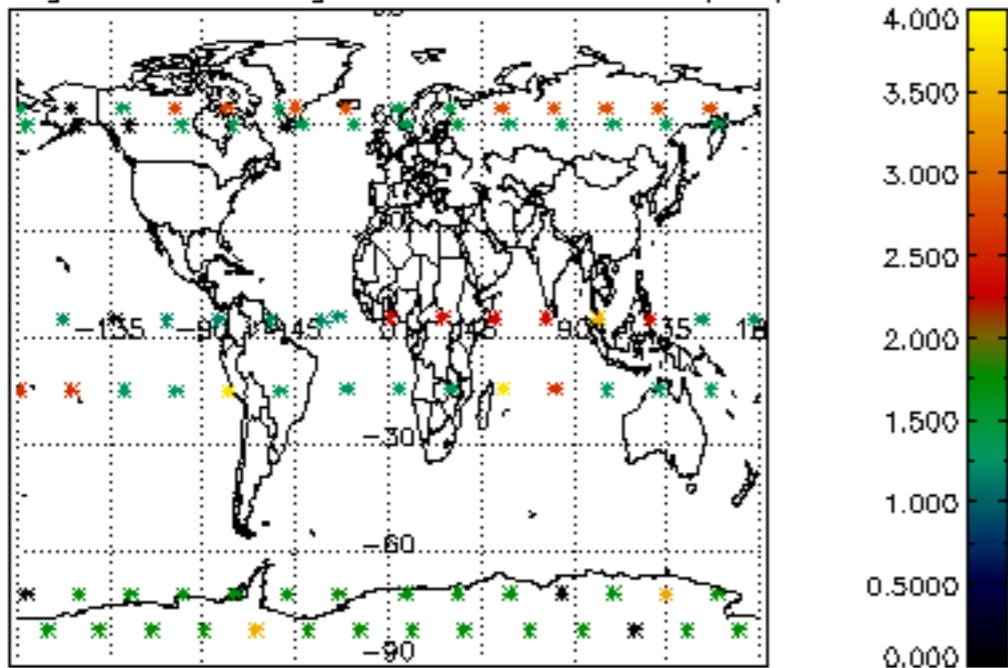
Percentage of cosmic ray hits per profile



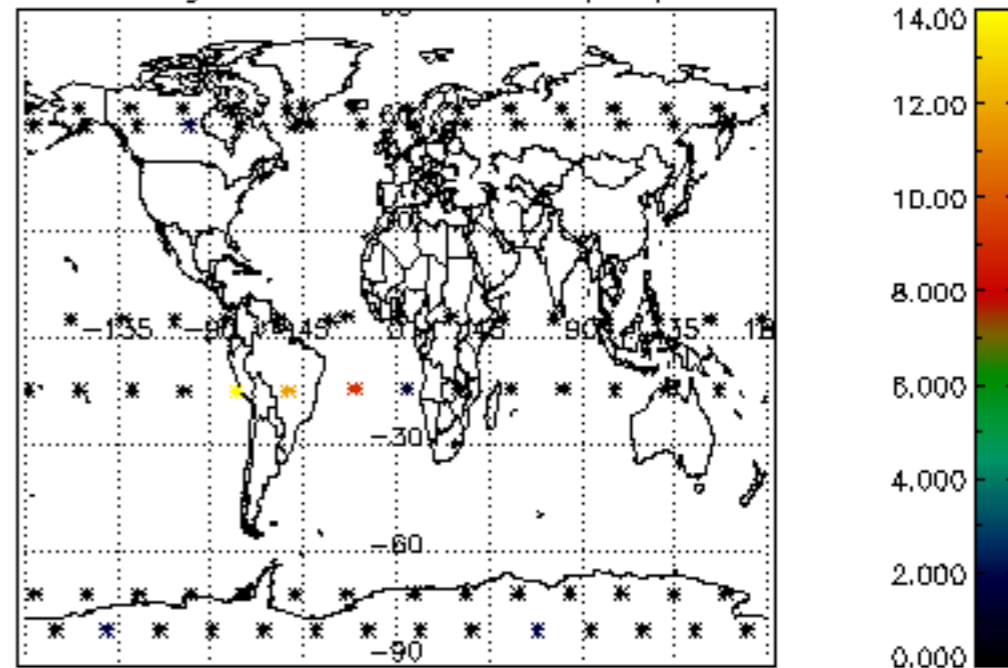
Percentage of datation errors per profile



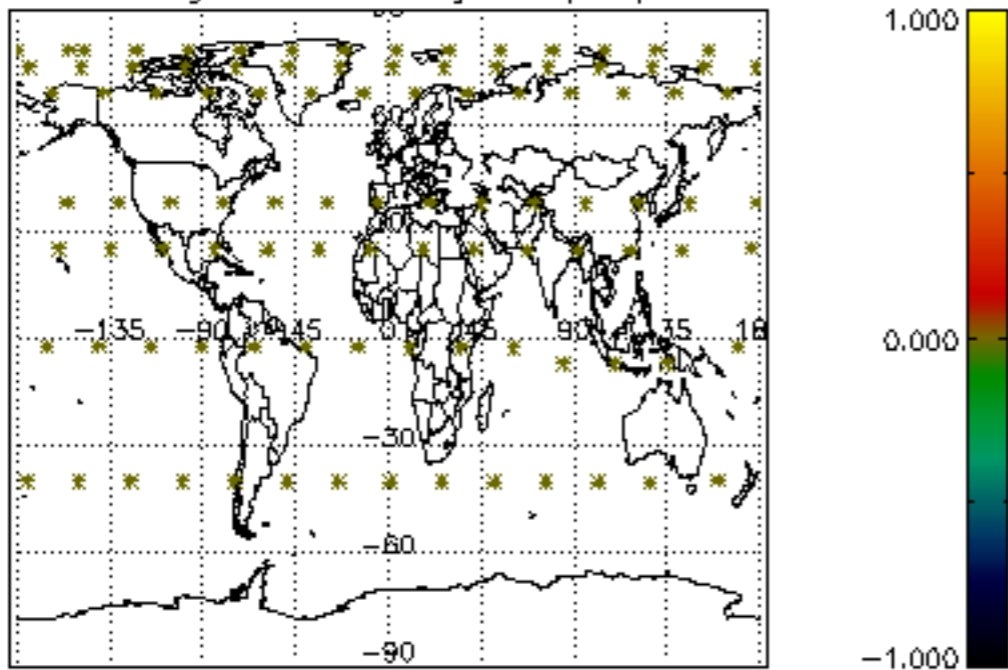
Percentage of star falling outside central band per profile



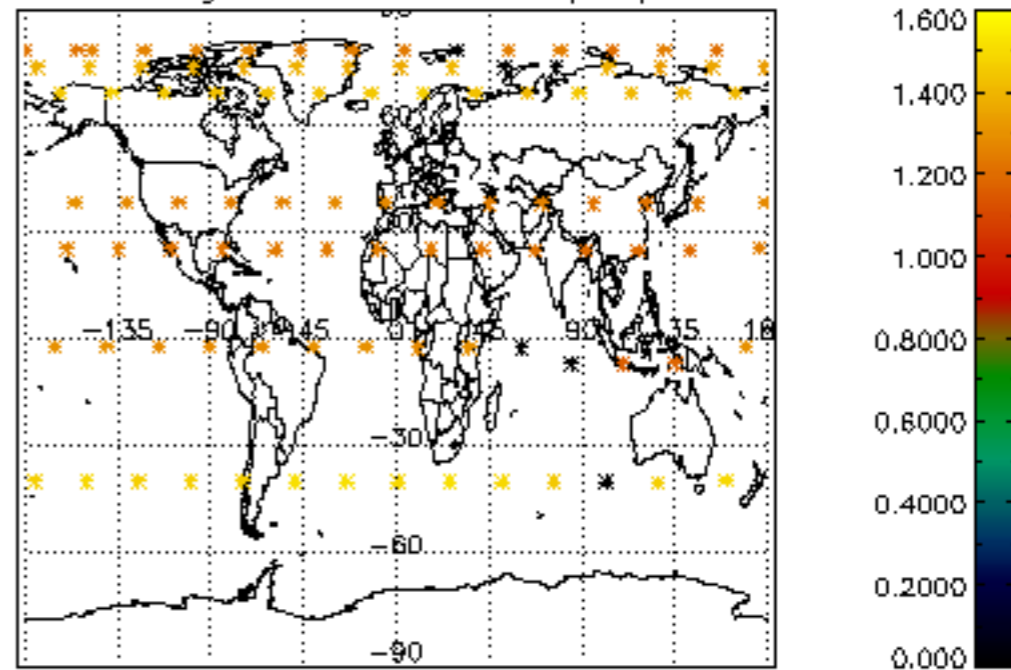
Percentage of saturation errors per profile



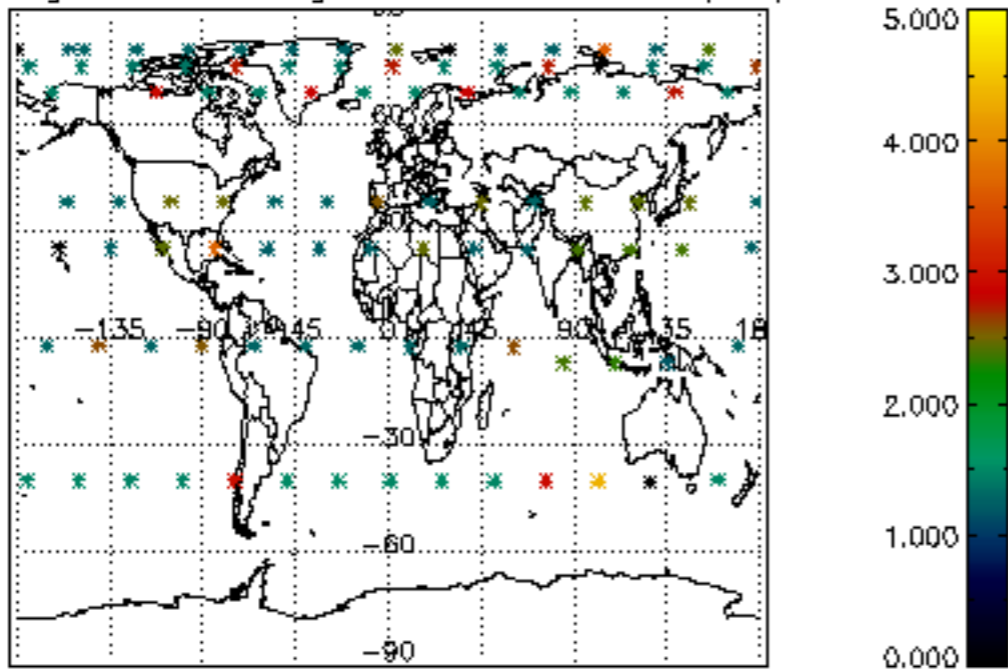
Percentage of cosmic ray hits per profile



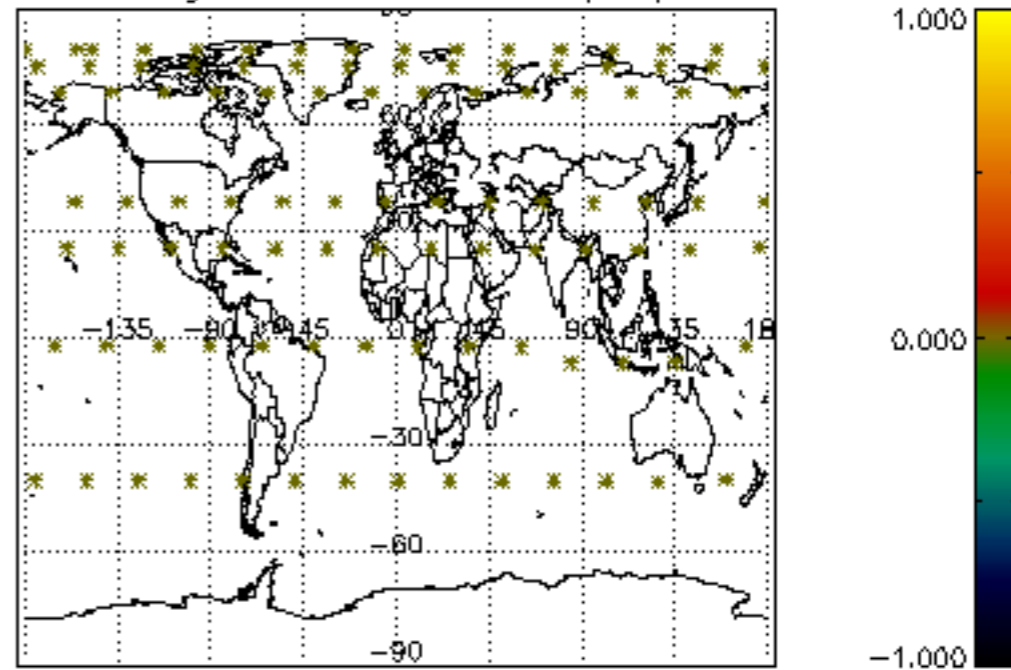
Percentage of datation errors per profile



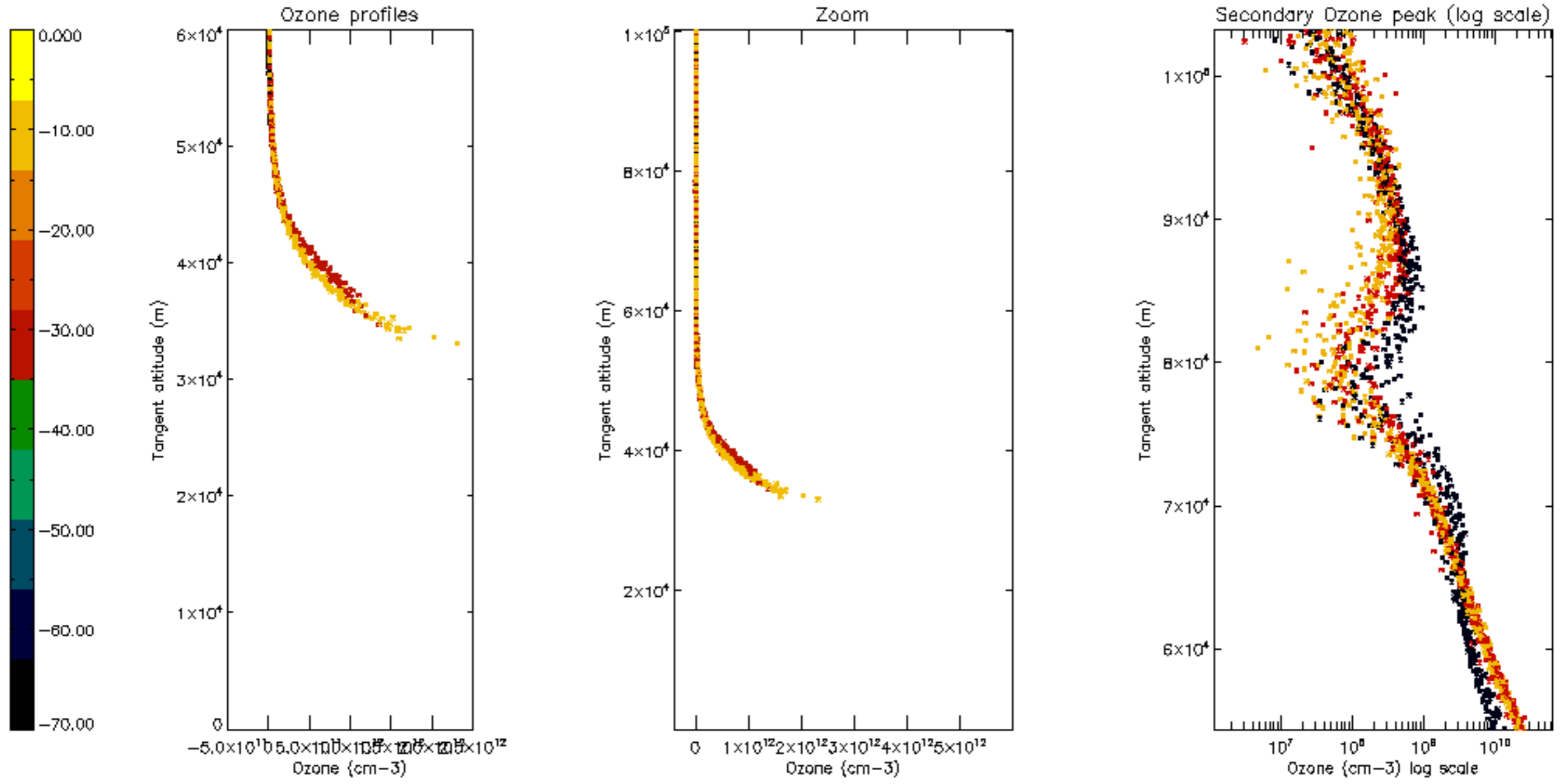
Percentage of star falling outside central band per profile

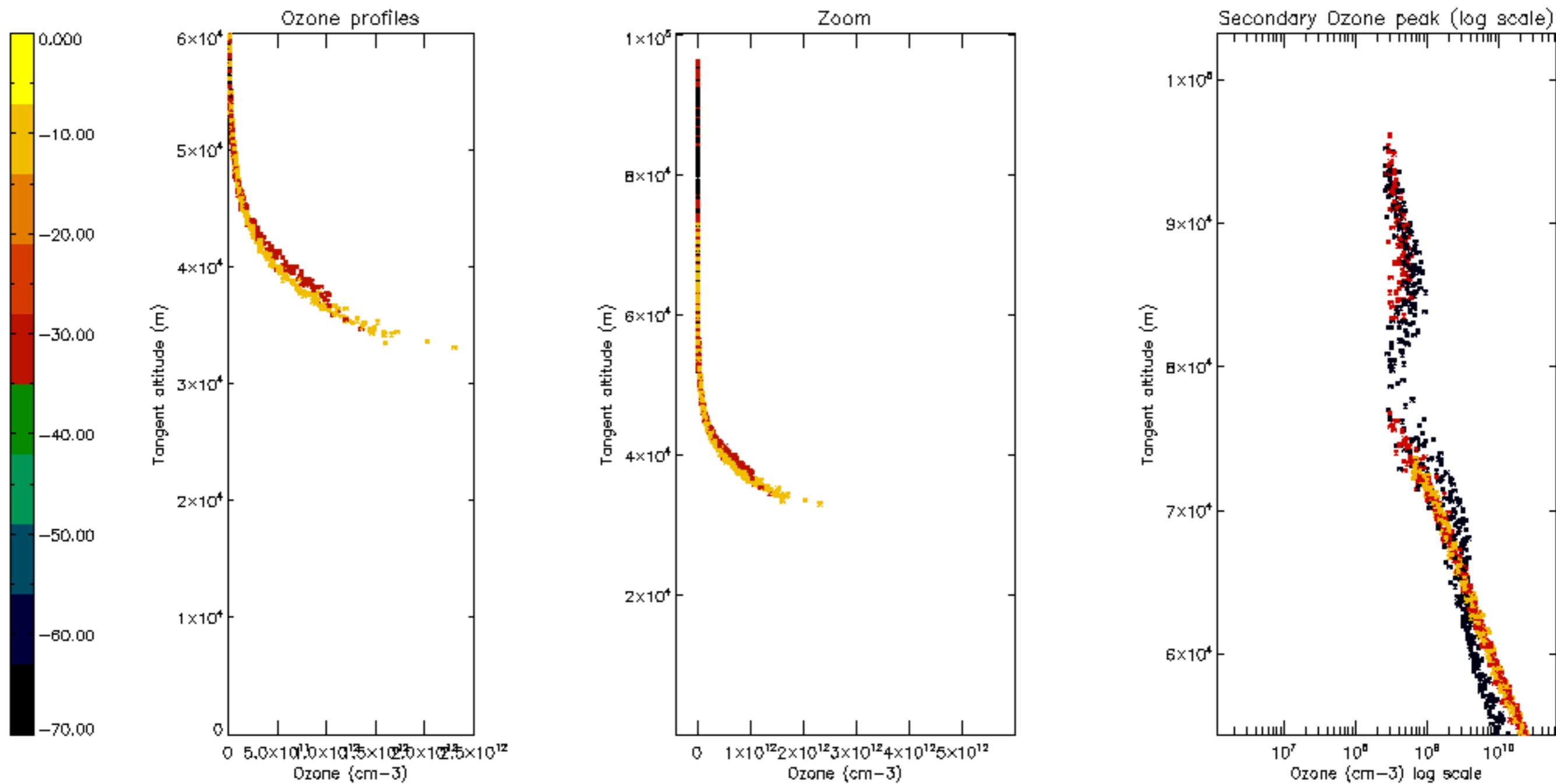


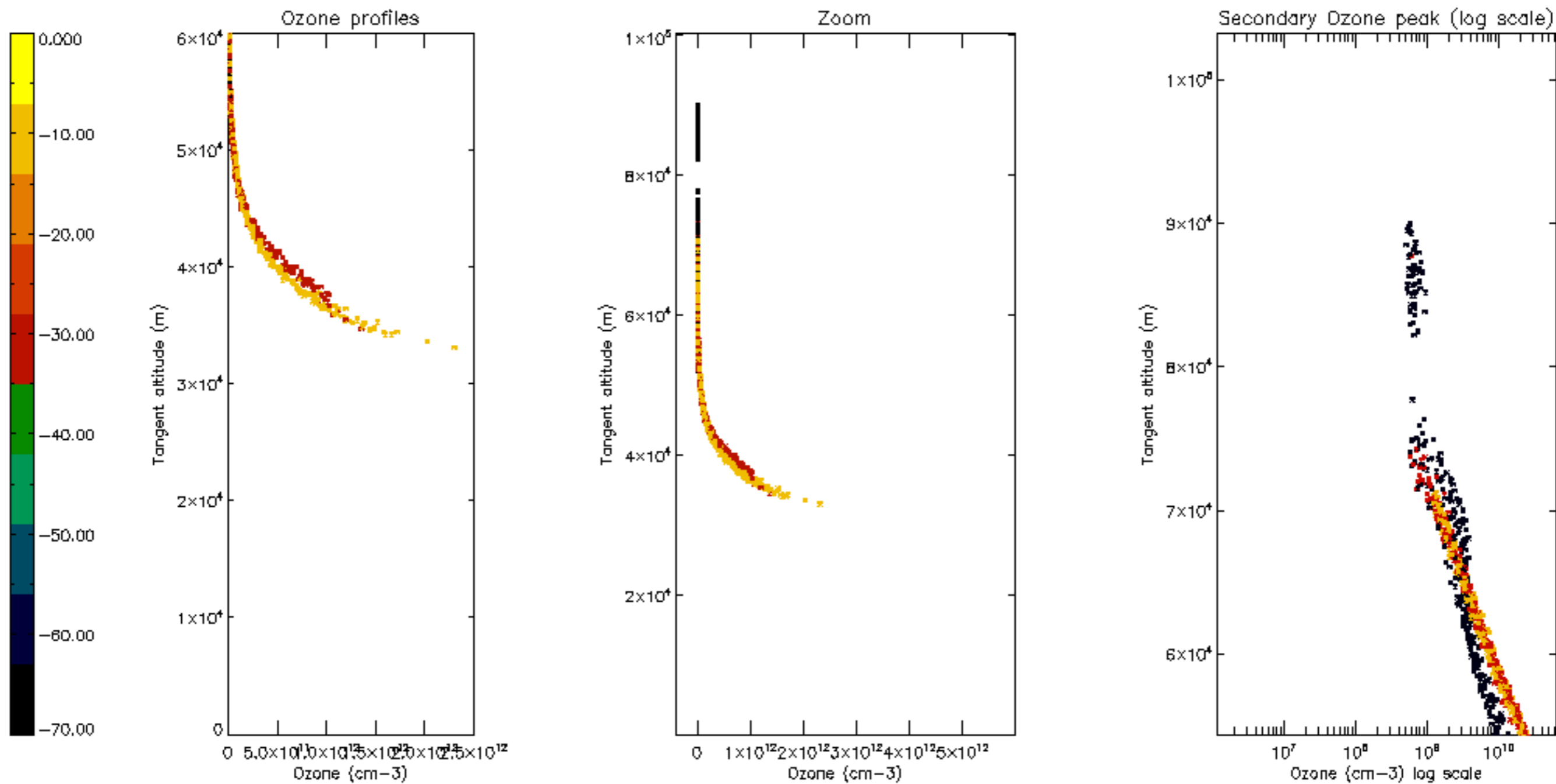
Percentage of saturation errors per profile

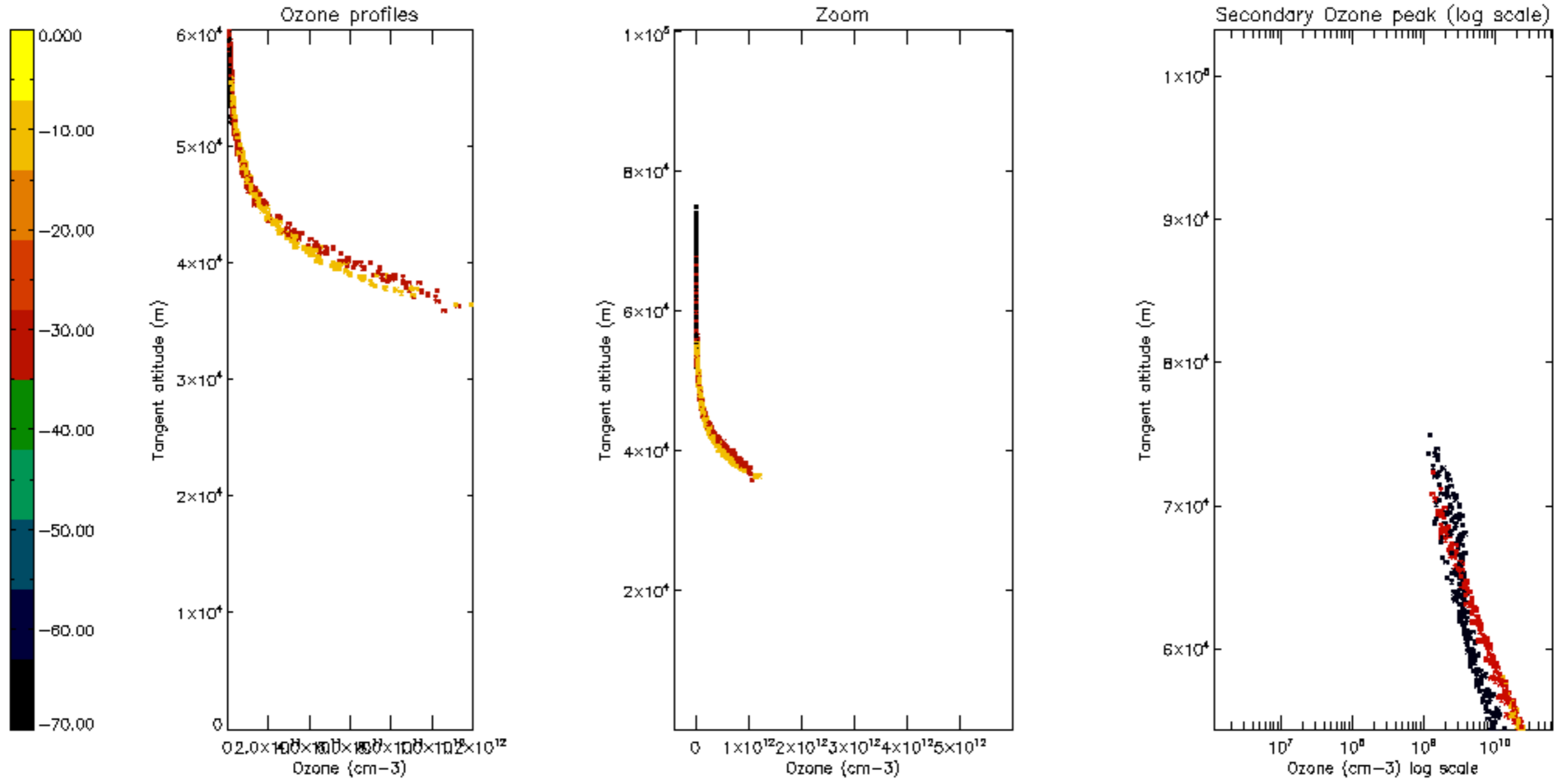


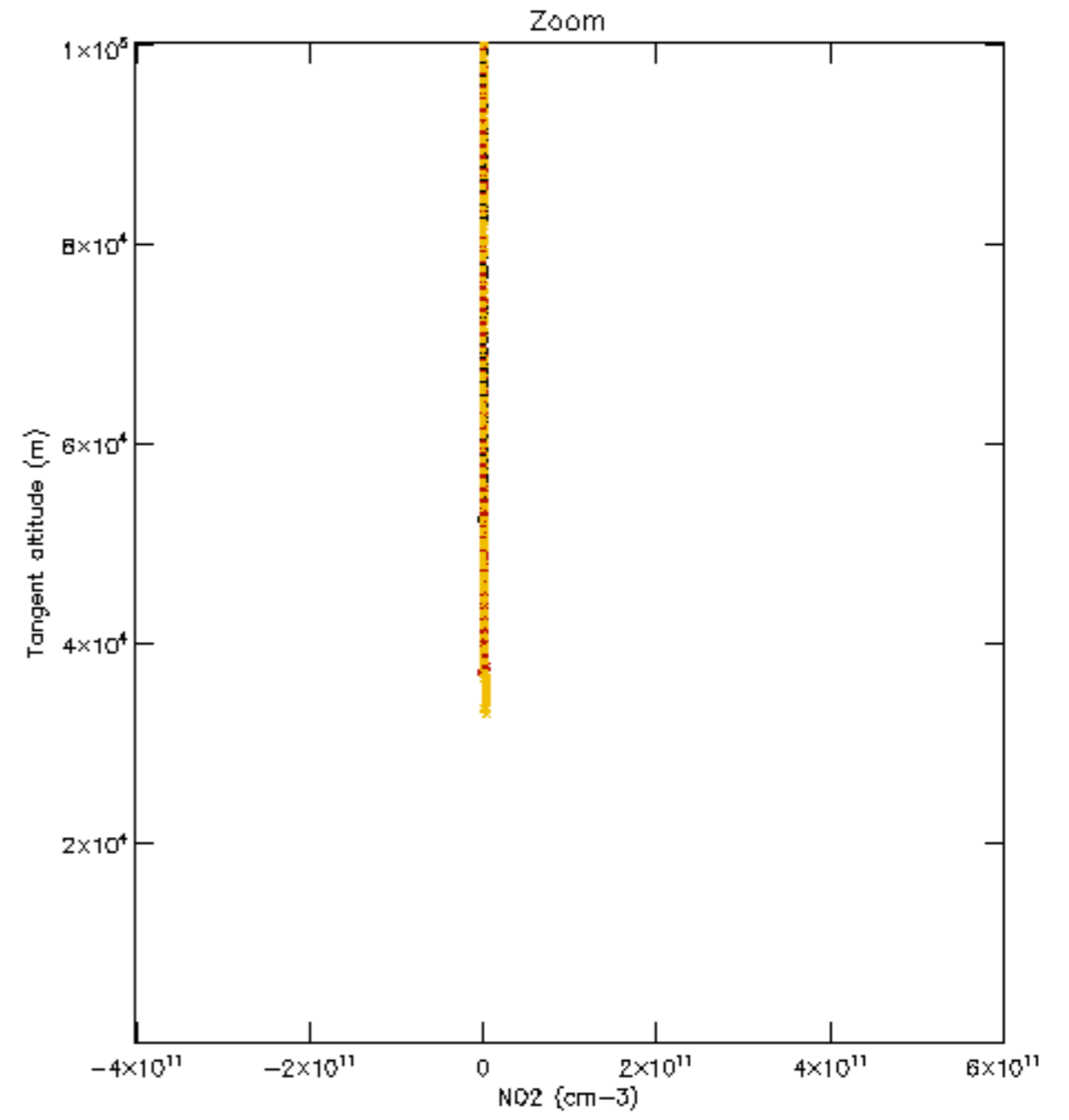
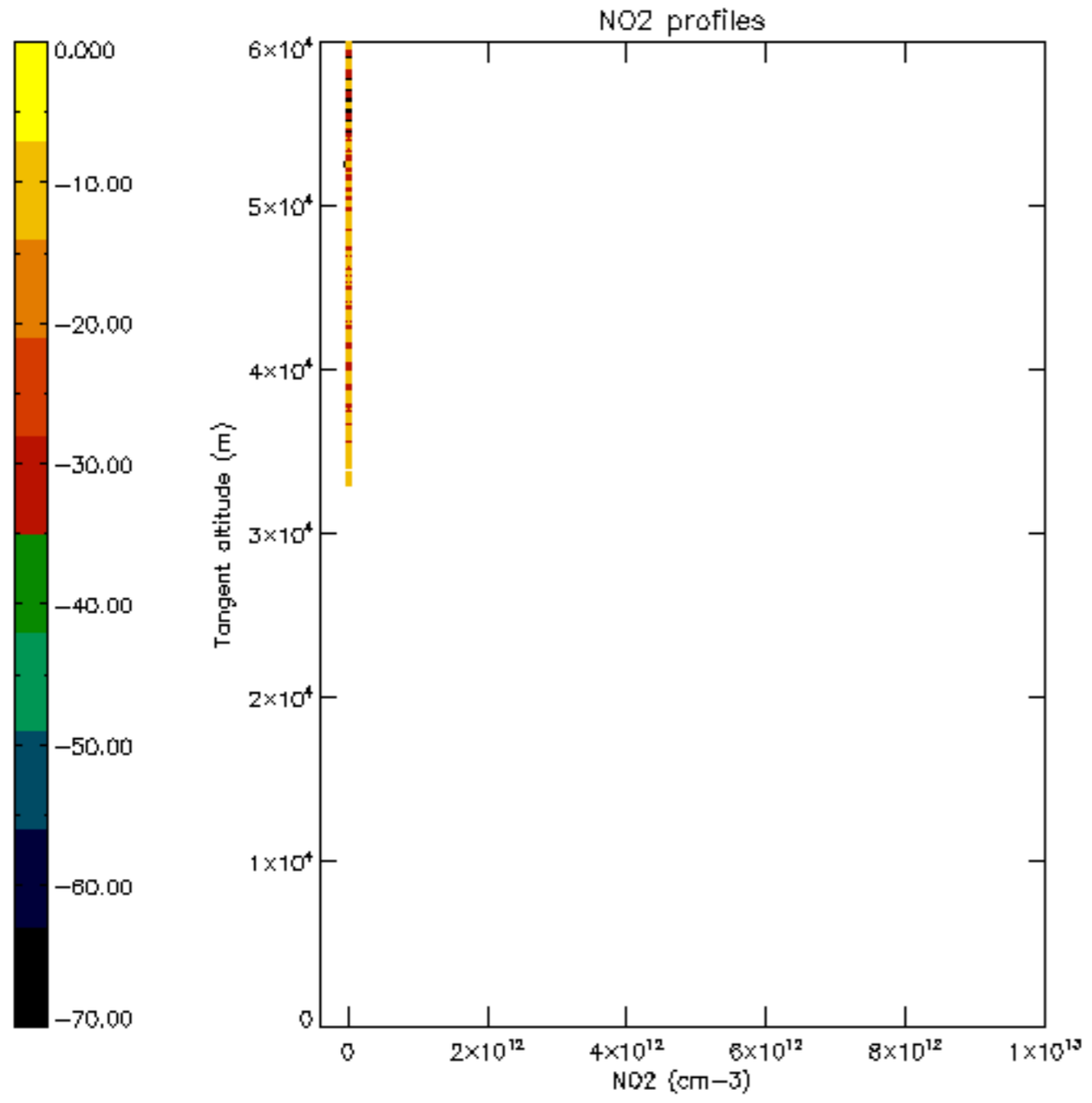


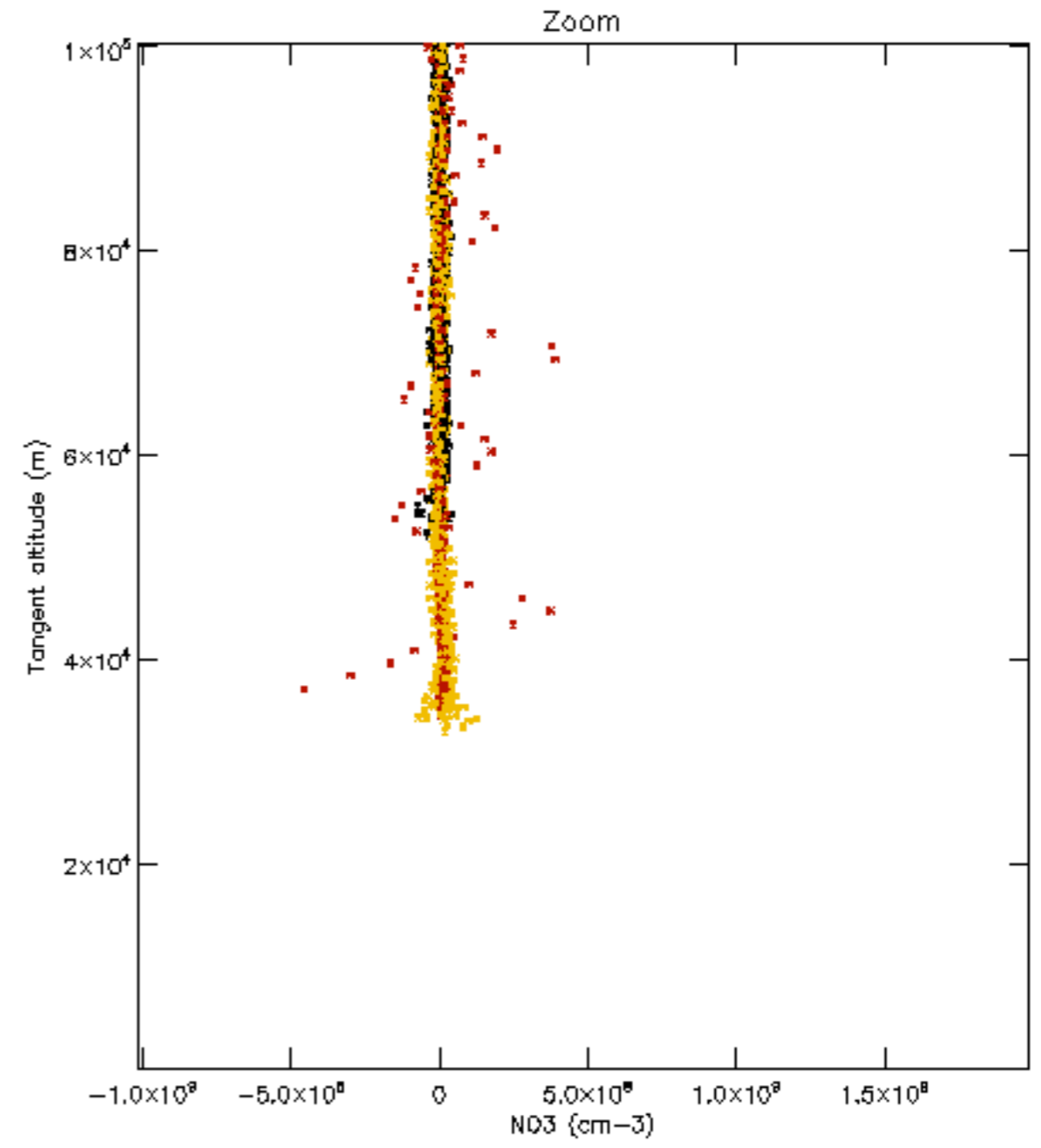
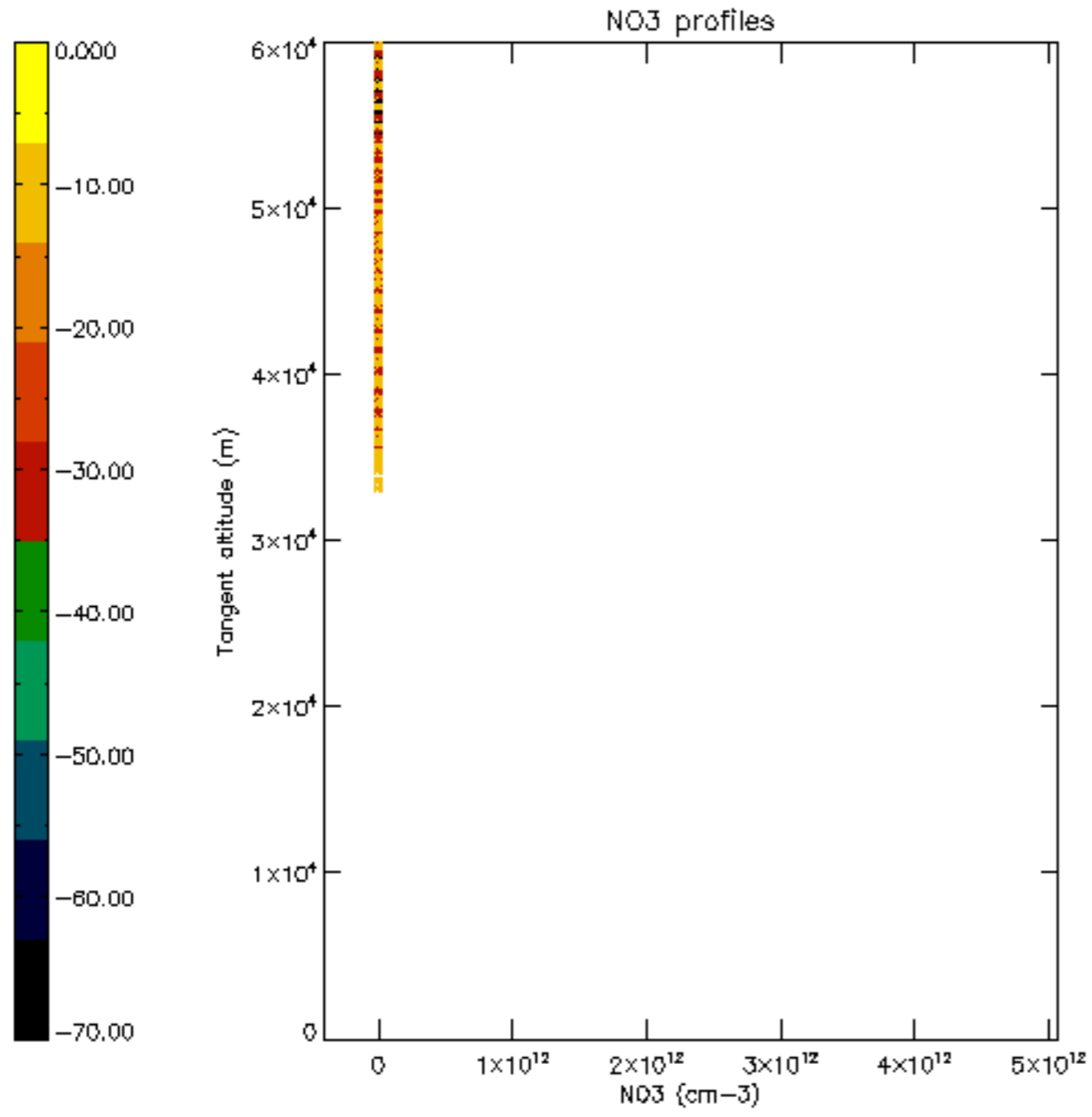


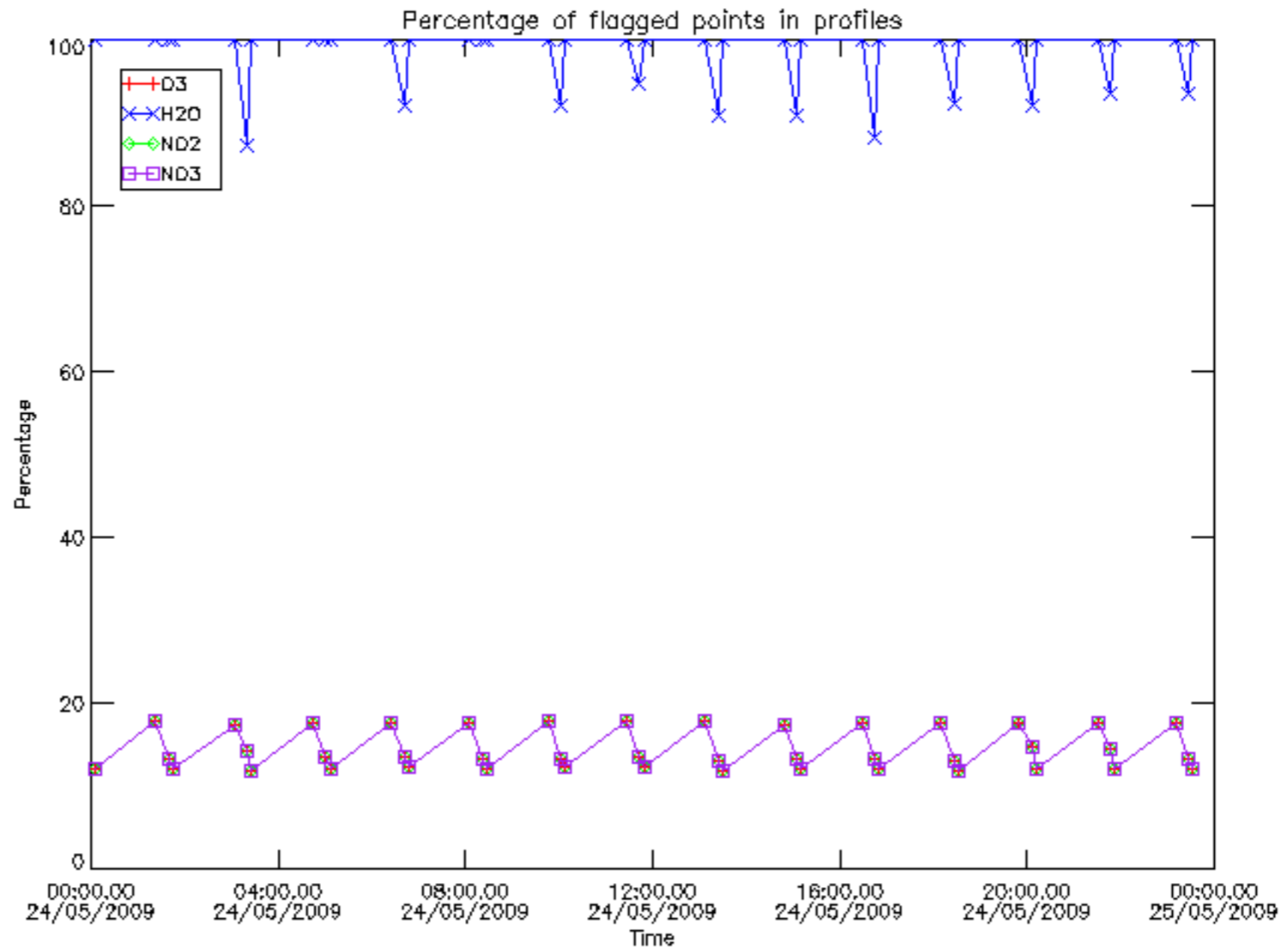




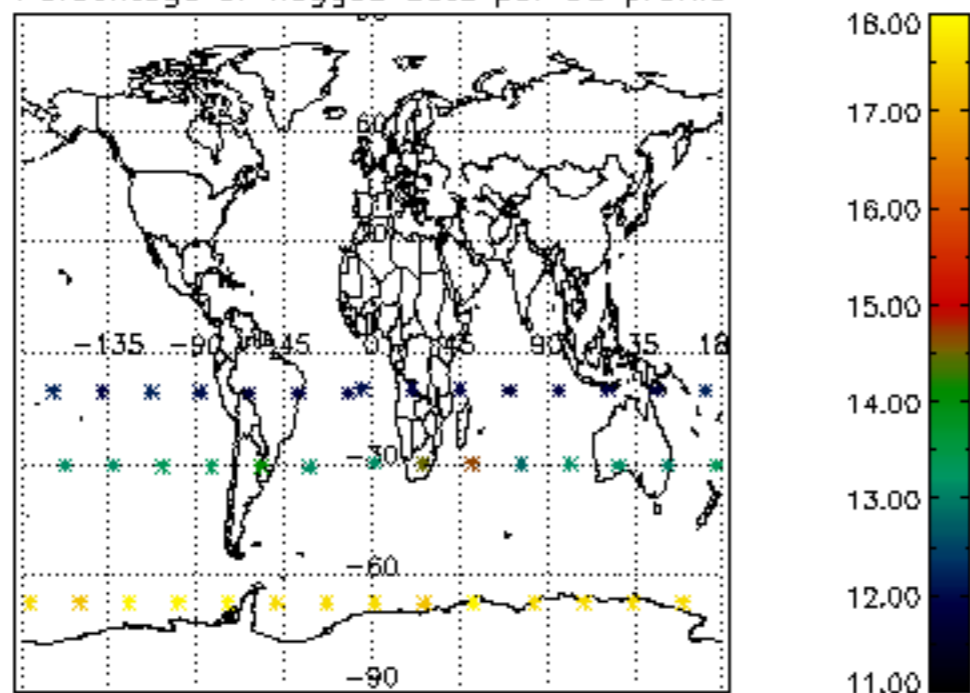




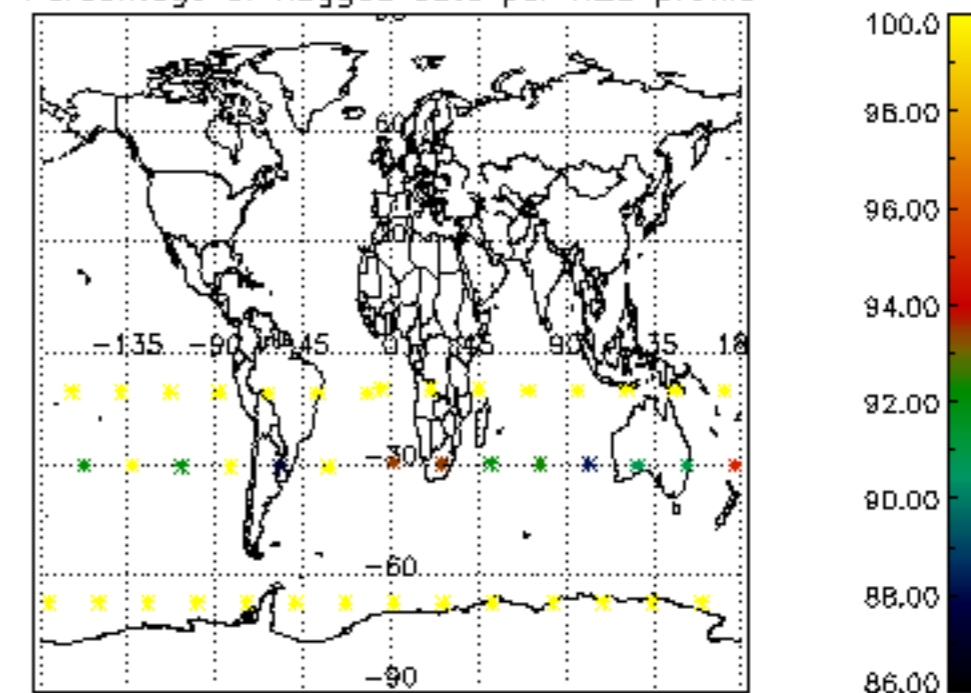




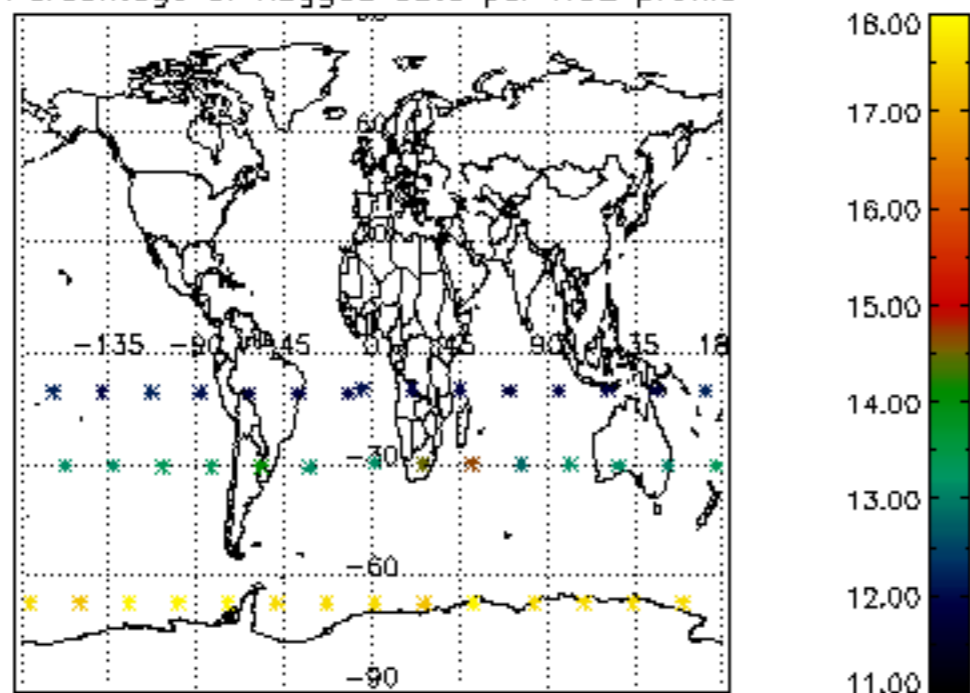
Percentage of flagged data per D3 profile



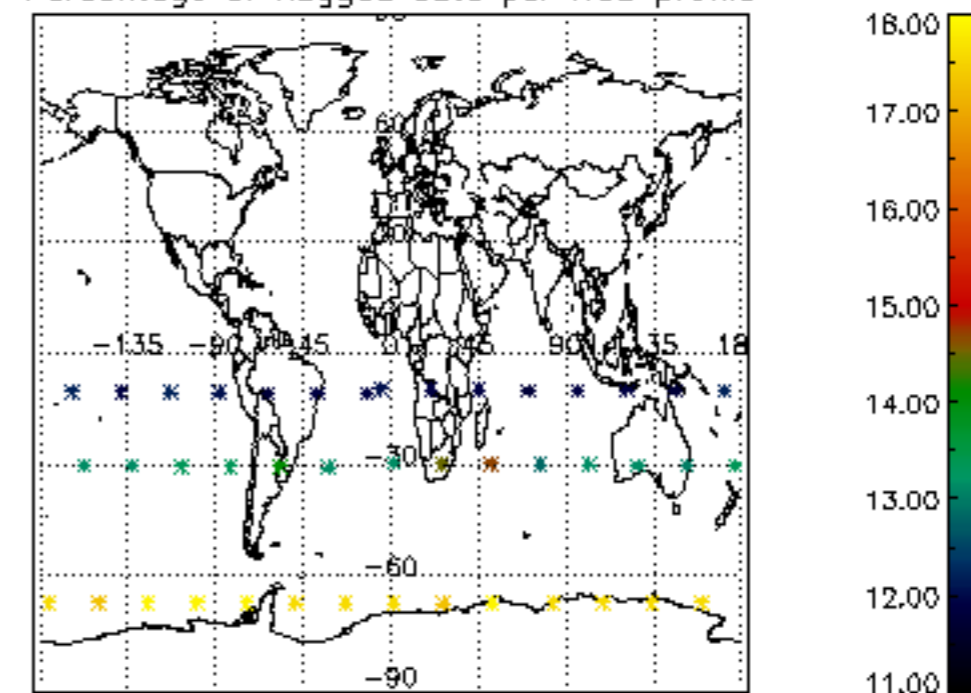
Percentage of flagged data per H2O profile



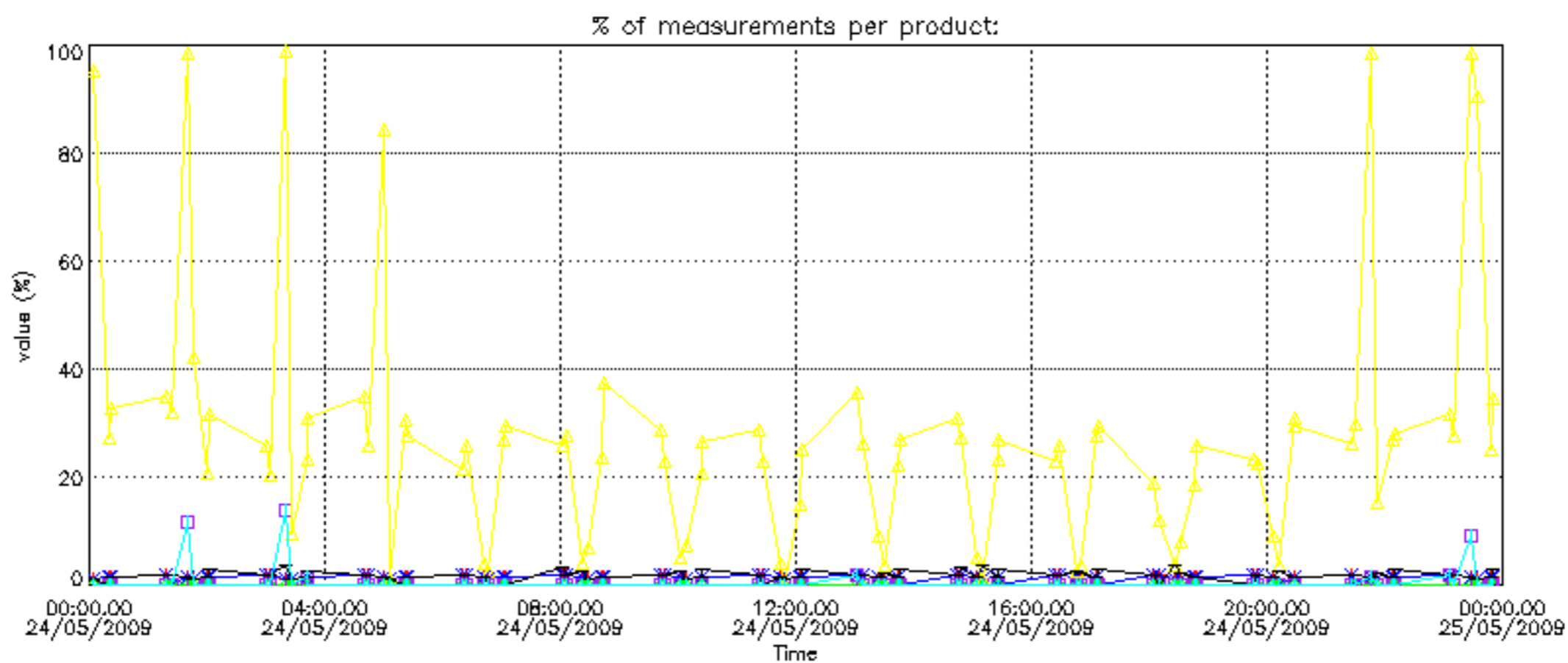
Percentage of flagged data per NO2 profile

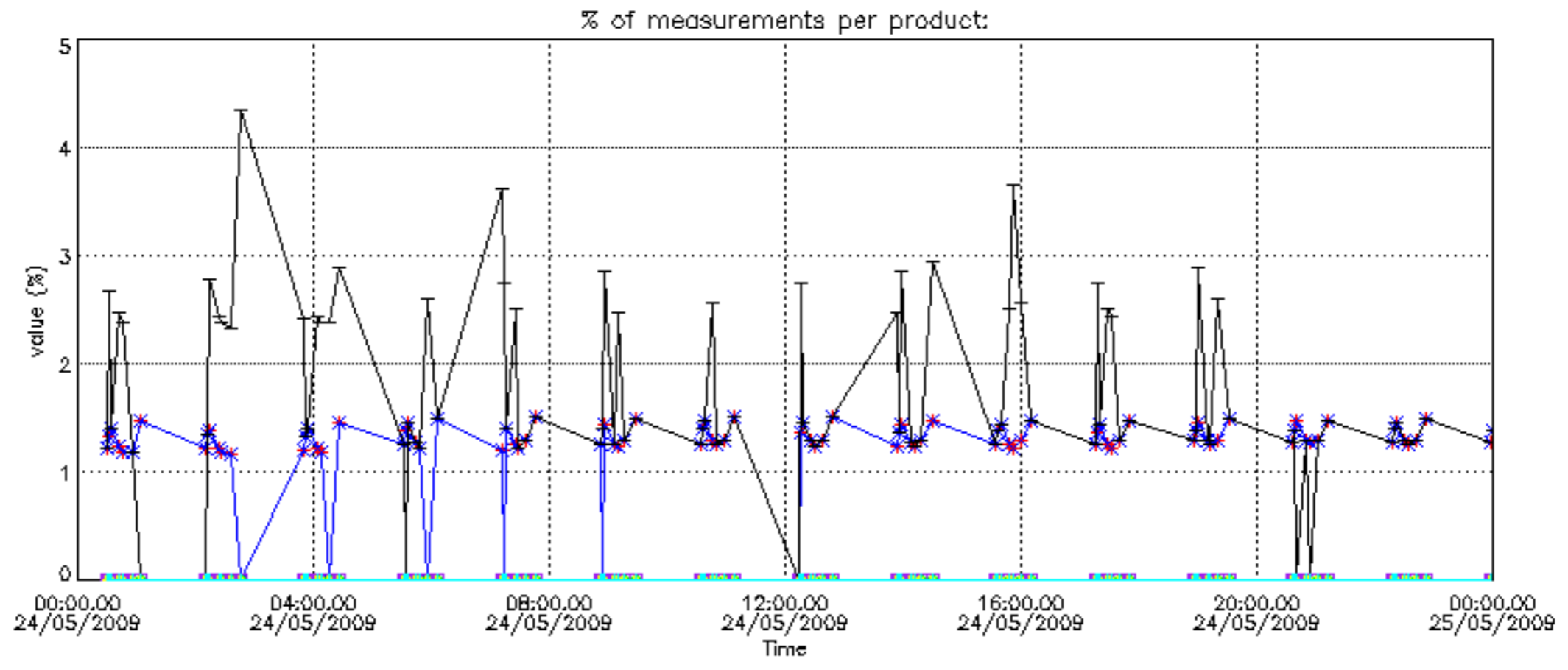


Percentage of flagged data per NO3 profile

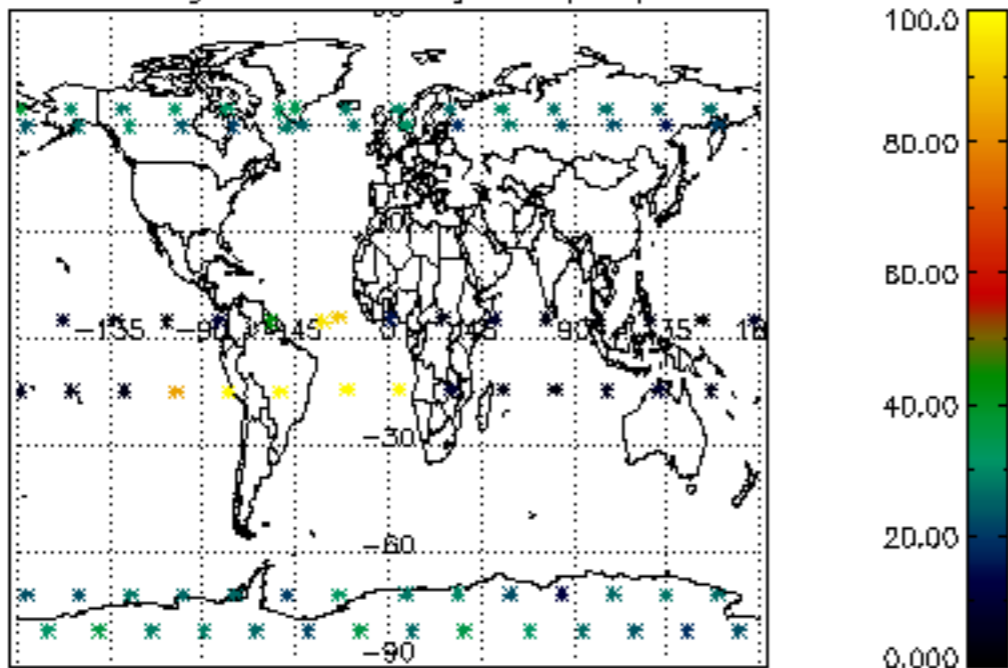




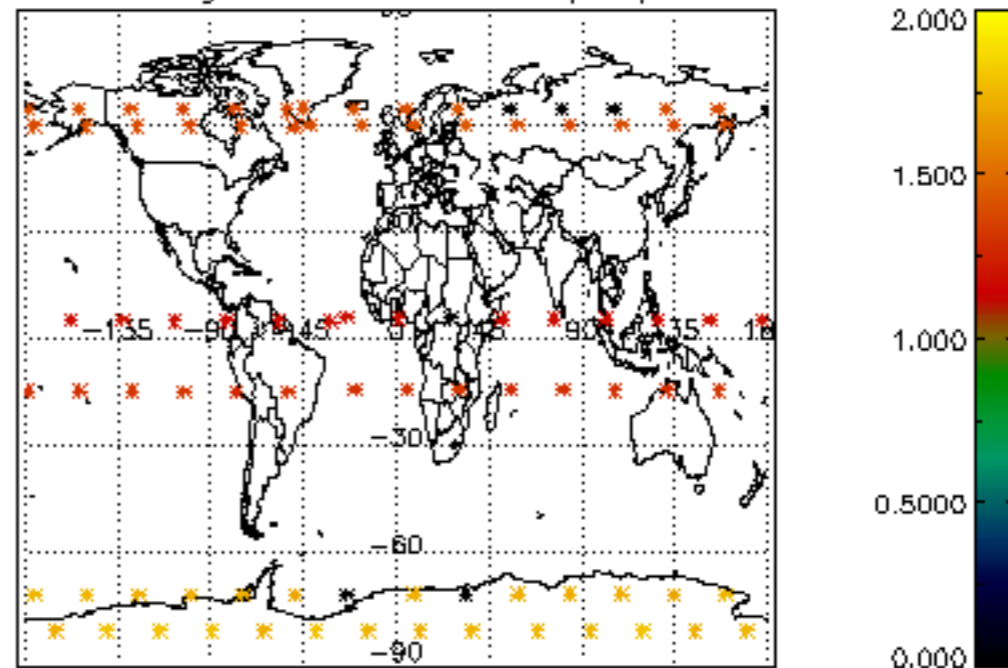




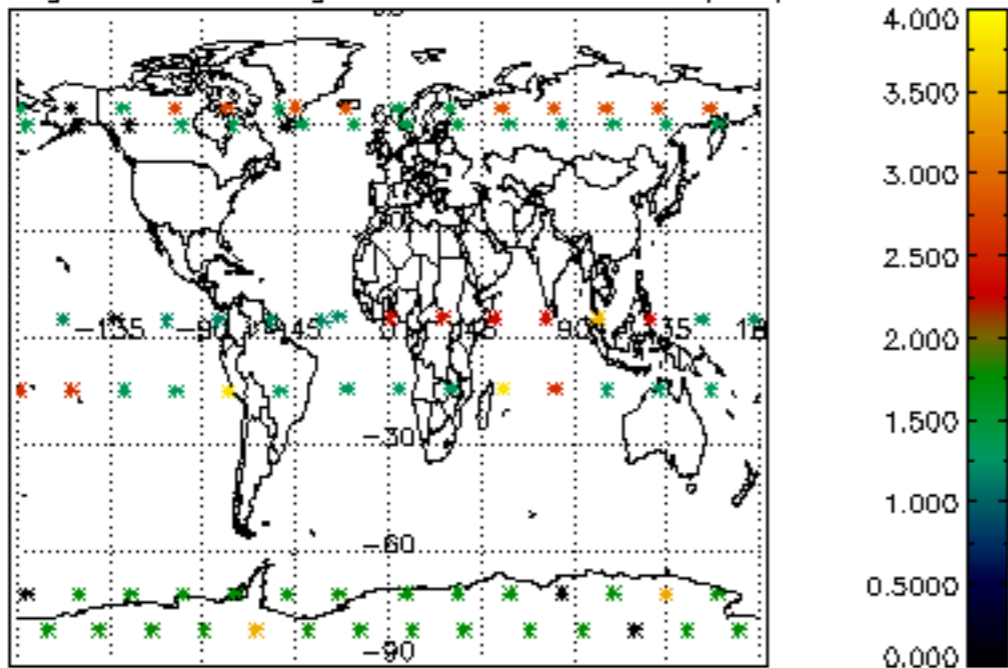
Percentage of cosmic ray hits per profile



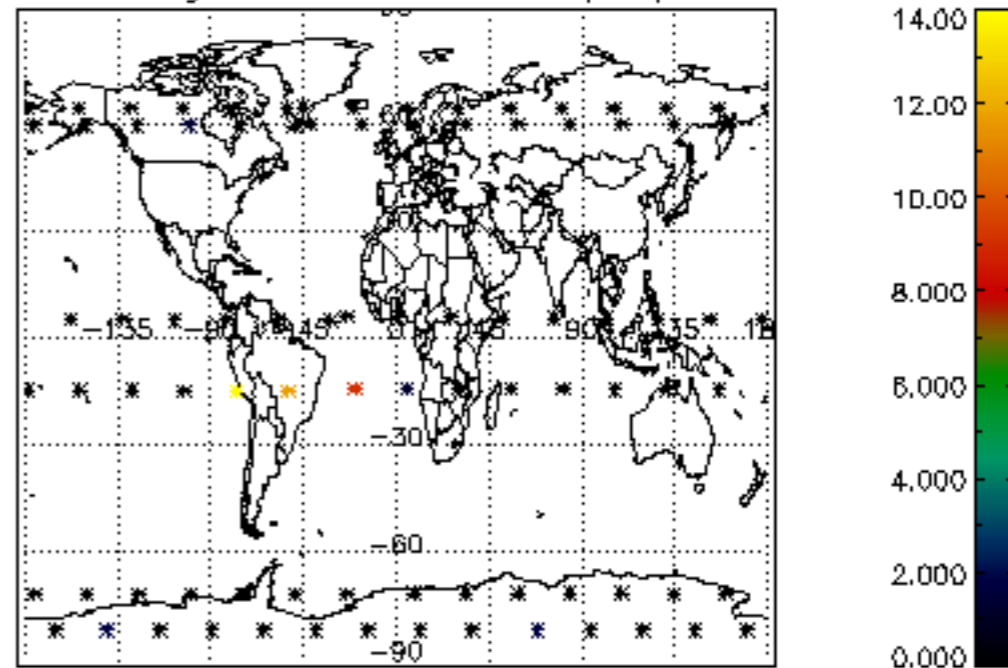
Percentage of datation errors per profile



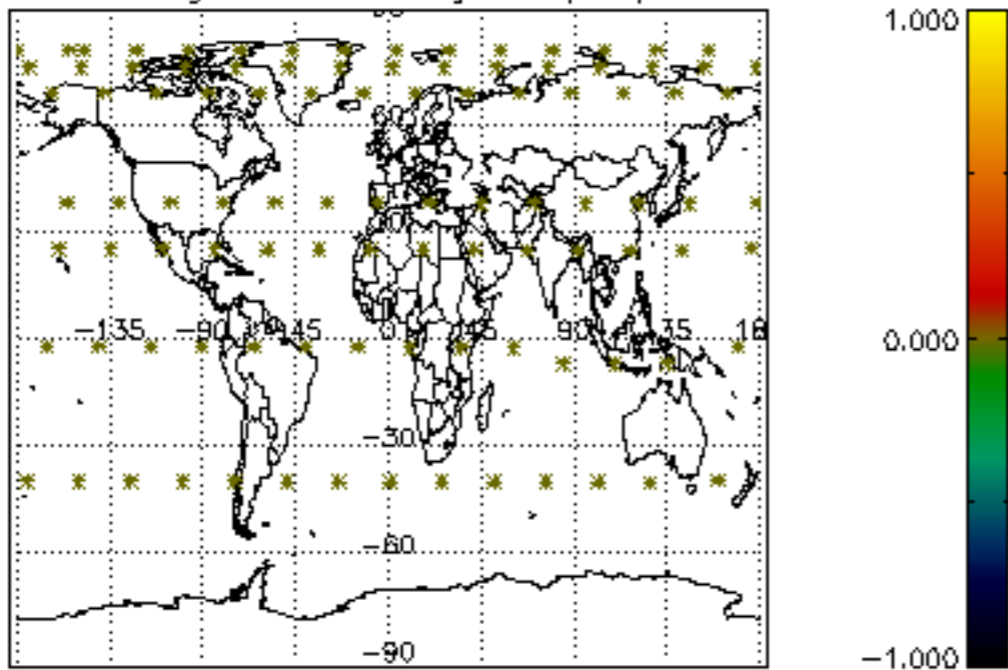
Percentage of star falling outside central band per profile



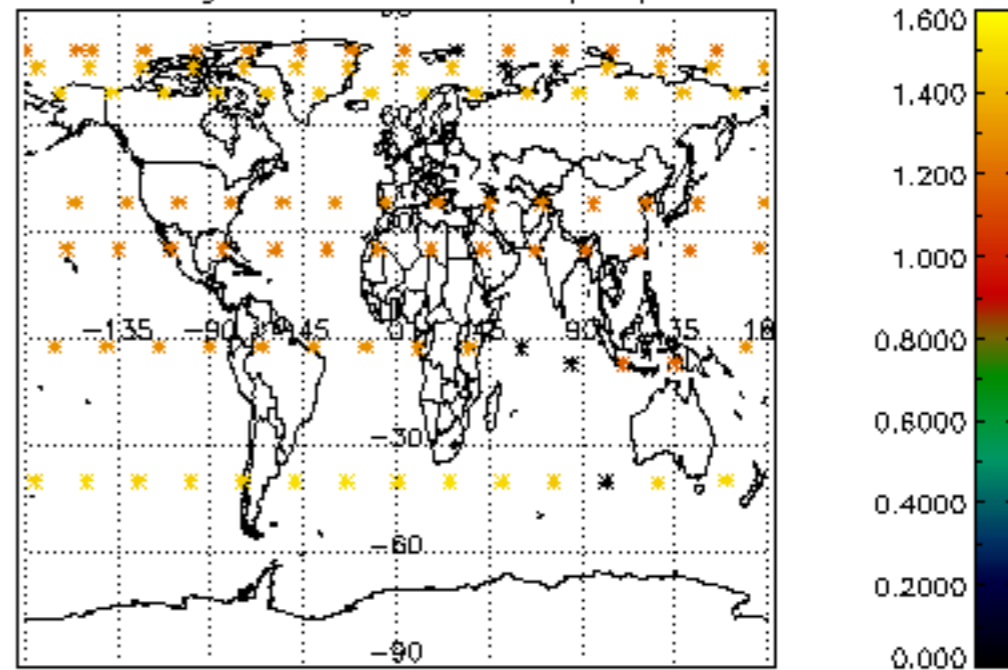
Percentage of saturation errors per profile



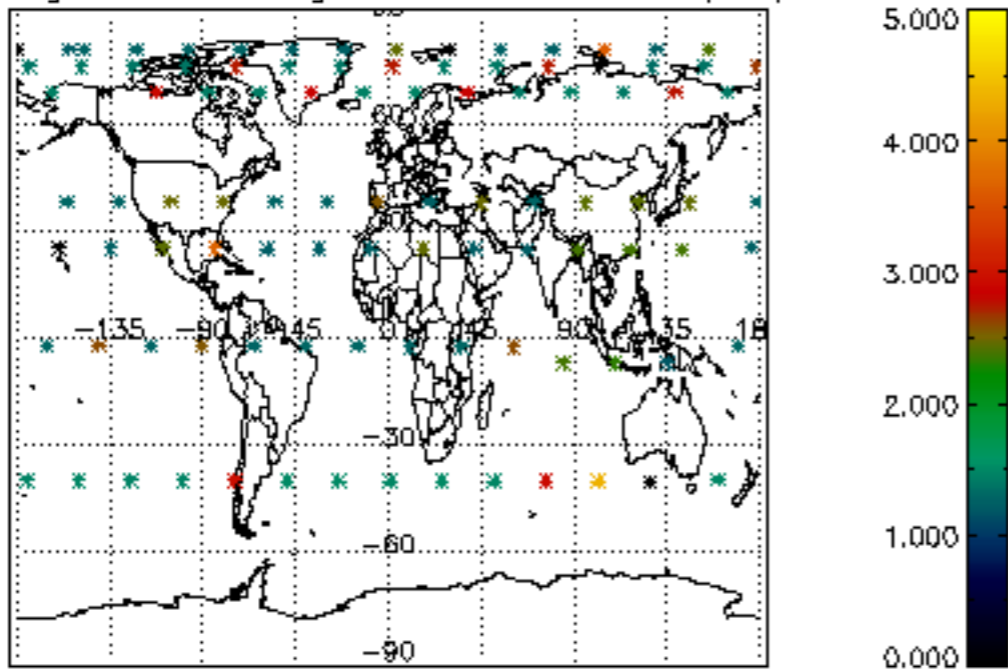
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

