

# 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	19APR2013 14:26:38
Data source version	GOMOS/6.01
Start time of products	31-05-2003 (31MAY2003 00:00:00)
Stop time of products	01-06-2003 (01JUN2003 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	269
Nb of prods with errors	10

## 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__2PRFIN20030531_075824_000000532016_00465_06531_6979.N1	31-MAY-2003 07:58:24	Dark	52.500	63	Bet Gru	2.1500	2800.0	105	6531	No
2	GOM_NL__2PRFIN20030531_080015_000000472016_00465_06531_6980.N1	31-MAY-2003 08:00:15	Dark	47.000	31	Alp Gru	1.7340	15200.	94	6531	No
3	GOM_NL__2PRFIN20030531_080331_000001952016_00465_06531_6981.N1	31-MAY-2003 08:03:31	Dark	195.00	1014	Mars	0.0000	0.0000	390	6531	Yes
4	GOM_NL__2PRFIN20030531_081135_000000462016_00465_06531_6982.N1	31-MAY-2003 08:11:35	Straylight	45.500	141	Bet Ara	2.8400	4600.0	91	6531	No
5	GOM_NL__2PRFIN20030531_081249_000000402016_00465_06531_6983.N1	31-MAY-2003 08:12:49	Straylight	39.500	147	Alp Ara	2.8770	26000.	79	6531	No
6	GOM_NL__2PRFIN20030531_081430_000000462016_00465_06531_6984.N1	31-MAY-2003 08:14:30	Straylight	46.000	40	The Sco	1.8590	7100.0	92	6531	No
7	GOM_NL__2PRFIN20030531_081618_000000482016_00465_06531_6985.N1	31-MAY-2003 08:16:18	Twilight_stray	47.500	25	35Lam Sco	1.6200	28000.	95	6531	No
8	GOM_NL__2PRFIN20030531_081807_000000512016_00465_06531_6986.N1	31-MAY-2003 08:18:07	Twilight_stray	50.500	75	26Eps Sco	2.2910	4250.0	101	6531	No
9	GOM_NL__2PRFIN20030531_082010_000000422016_00465_06531_6987.N1	31-MAY-2003 08:20:10	Bright	42.000	136	23Tau Sco	2.8220	30000.	84	6531	No
10	GOM_NL__2PRFIN20030531_082216_000000412016_00465_06531_6988.N1	31-MAY-2003 08:22:16	Bright	40.500	80	7Del Sco	2.3160	30000.	81	6531	No
11	GOM_NL__2PRFIN20030531_082350_000000462016_00465_06531_6989.N1	31-MAY-2003 08:23:50	Bright	46.000	86	35Eta Oph	2.4300	10200.	92	6531	No
12	GOM_NL__2PRFIN20030531_082543_000000432016_00465_06531_6990.N1	31-MAY-2003 08:25:43	Bright	43.000	98	13Zet Oph	2.5710	30000.	86	6531	No
13	GOM_NL__2PRFIN20030531_082755_000000422016_00465_06531_6991.N1	31-MAY-2003 08:27:55	Bright	41.500	120	1Del Oph	2.7340	3200.0	83	6531	No
14	GOM_NL__2PRFIN20030531_083056_000000382016_00465_06531_6992.N1	31-MAY-2003 08:30:56	Bright	37.500	102	24Alp Ser	2.6000	4250.0	75	6531	No
15	GOM_NL__2PRFIN20030531_083230_000000642016_00465_06531_6993.N1	31-MAY-2003 08:32:30	Bright	64.000	126	60Bet Oph	2.7700	4250.0	128	6531	No
16	GOM_NL__2PRFIN20030531_083652_000000382016_00465_06531_6994.N1	31-MAY-2003 08:36:52	Bright	37.500	83		2.3780	11000.	75	6531	No
17	GOM_NL__2PRFIN20030531_084003_000000352016_00465_06531_6995.N1	31-MAY-2003 08:40:03	Bright	35.000	180	27Gam Boo	3.0400	8000.0	70	6531	No
18	GOM_NL__2PRFIN20030531_084730_000000392016_00465_06531_6996.N1	31-MAY-2003 08:47:30	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	6531	No
19	GOM_NL__2PRFIN20030531_085007_000000382016_00465_06531_6997.N1	31-MAY-2003 08:50:07	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	6531	No
20	GOM_NL__2PRFIN20030531_085448_000000342016_00465_06531_6998.N1	31-MAY-2003 08:54:48	Bright	34.000	49	1Alp UMi	1.9900	6300.0	68	6531	No
21	GOM_NL__2PRFIN20030531_085759_000000482016_00465_06531_6999.N1	31-MAY-2003 08:57:59	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	6531	No
22	GOM_NL__2PRFIN20030531_090252_000000372016_00465_06531_7000.N1	31-MAY-2003 09:02:52	Bright	37.000	76	27Gam Cas	2.3000	30000.	74	6531	No
23	GOM_NL__2PRFIN20030531_091033_000000432016_00465_06531_7001.N1	31-MAY-2003 09:10:33	Bright	42.500	53	43Bet And	2.0480	3300.0	85	6531	No
24	GOM_NL__2PRFIN20030531_091313_000000552016_00465_06531_7002.N1	31-MAY-2003 09:13:13	Twilight_stray	54.500	58	21Alp And	2.0730	11000.	109	6531	No
25	GOM_NL__2PRFIN20030531_091805_000000532016_00465_06531_7003.N1	31-MAY-2003 09:18:05	Dark	53.000	140	88Gam Peg	2.8340	26000.	106	6531	No
26	GOM_NL__2PRFIN20030531_092112_000000802016_00465_06531_7004.N1	31-MAY-2003 09:21:12	Dark	80.000	90	54Alp Peg	2.4870	11000.	160	6531	No
27	GOM_NL__2PRFIN20030531_092704_000000502016_00465_06531_7005.N1	31-MAY-2003 09:27:04	Dark	50.000	52	16Bet Cet	2.0370	4500.0	100	6531	No
28	GOM_NL__2PRFIN20030531_093346_000000442016_00465_06531_7006.N1	31-MAY-2003 09:33:46	Dark	44.000	84	Alp Phe	2.3970	4500.0	88	6531	No
29	GOM_NL__2PRFIN20030531_093536_000000582016_00465_06531_7007.N1	31-MAY-2003 09:35:36	Dark	58.000	18	24Alp PsA	1.1660	9700.0	116	6531	No
30	GOM_NL__2PRFIN20030531_093901_000000482016_00466_06532_7175.N1	31-MAY-2003 09:39:01	Dark	48.000	63	Bet Gru	2.1500	2800.0	96	6532	No
31	GOM_NL__2PRFIN20030531_094052_000000472016_00466_06532_7176.N1	31-MAY-2003 09:40:52	Dark	46.500	31	Alp Gru	1.7340	15200.	93	6532	No
32	GOM_NL__2PRFIN20030531_094408_000001572016_00466_06532_7177.N1	31-MAY-2003 09:44:08	Dark	157.00	1014	Mars	0.0000	0.0000	314	6532	Yes
33	GOM_NL__2PRFIN20030531_095211_000000412016_00466_06532_7178.N1	31-MAY-2003 09:52:11	Straylight	40.500	141	Bet Ara	2.8400	4600.0	81	6532	No
34	GOM_NL__2PRFIN20030531_095325_000000432016_00466_06532_7179.N1	31-MAY-2003 09:53:25	Straylight	42.500	147	Alp Ara	2.8770	26000.	85	6532	No
35	GOM_NL__2PRFIN20030531_095506_000000492016_00466_06532_7180.N1	31-MAY-2003 09:55:06	Straylight	49.000	40	The Sco	1.8590	7100.0	98	6532	No
36	GOM_NL__2PRFIN20030531_095654_000000492016_00466_06532_7181.N1	31-MAY-2003 09:56:54	Twilight_stray	49.000	25	35Lam Sco	1.6200	28000.	98	6532	No
37	GOM_NL__2PRFIN20030531_095843_000000462016_00466_06532_7182.N1	31-MAY-2003 09:58:43	Twilight_stray	45.500	75	26Eps Sco	2.2910	4250.0	91	6532	No
38	GOM_NL__2PRFIN20030531_100046_000000432016_00466_06532_7183.N1	31-MAY-2003 10:00:46	Bright	42.500	136	23Tau Sco	2.8220	30000.	85	6532	No
39	GOM_NL__2PRFIN20030531_100252_000000412016_00466_06532_7184.N1	31-MAY-2003 10:02:52	Bright	41.000	80	7Del Sco	2.3160	30000.	82	6532	No
40	GOM_NL__2PRFIN20030531_100426_000000482016_00466_06532_7185.N1	31-MAY-2003 10:04:26	Bright	47.500	86	35Eta Oph	2.4300	10200.	95	6532	No
41	GOM_NL__2PRFIN20030531_100619_000000432016_00466_06532_7186.N1	31-MAY-2003 10:06:19	Bright	42.500	98	13Zet Oph	2.5710	30000.	85	6532	No
42	GOM_NL__2PRFIN20030531_100831_000000422016_00466_06532_7187.N1	31-MAY-2003 10:08:31	Bright	41.500	120	1Del Oph	2.7340	3200.0	83	6532	No

43	GOM_NL__2PRFIN20030531_101132_000000392016_00466_06532_7188.N1	31-MAY-2003 10:11:32	Bright	38.500	102	24Alp Ser	2.6000	4250.0	77	6532	No
44	GOM_NL__2PRFIN20030531_101305_000000662016_00466_06532_7189.N1	31-MAY-2003 10:13:05	Bright	65.500	126	60Bet Oph	2.7700	4250.0	131	6532	No
45	GOM_NL__2PRFIN20030531_101727_000000382016_00466_06532_7190.N1	31-MAY-2003 10:17:27	Bright	37.500	83		2.3780	11000.	75	6532	No
46	GOM_NL__2PRFIN20030531_102039_000000362016_00466_06532_7191.N1	31-MAY-2003 10:20:39	Bright	35.500	180	27Gam Boo	3.0400	8000.0	71	6532	No
47	GOM_NL__2PRFIN20030531_102806_000000402016_00466_06532_7192.N1	31-MAY-2003 10:28:06	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	6532	No
48	GOM_NL__2PRFIN20030531_103043_000000382016_00466_06532_7193.N1	31-MAY-2003 10:30:43	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	6532	No
49	GOM_NL__2PRFIN20030531_103524_000000362016_00466_06532_7194.N1	31-MAY-2003 10:35:24	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	6532	No
50	GOM_NL__2PRFIN20030531_103834_000000482016_00466_06532_7195.N1	31-MAY-2003 10:38:34	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	6532	No
51	GOM_NL__2PRFIN20030531_104327_000000382016_00466_06532_7196.N1	31-MAY-2003 10:43:27	Bright	38.000	76	27Gam Cas	2.3000	30000.	76	6532	No
52	GOM_NL__2PRFIN20030531_105109_000000472016_00466_06532_7197.N1	31-MAY-2003 10:51:09	Bright	47.000	53	43Bet And	2.0480	3300.0	94	6532	No
53	GOM_NL__2PRFIN20030531_105350_000000542016_00466_06532_7198.N1	31-MAY-2003 10:53:50	Twilight	54.000	58	21Alp And	2.0730	11000.	108	6532	No
54	GOM_NL__2PRFIN20030531_105842_000000522016_00466_06532_7199.N1	31-MAY-2003 10:58:42	Dark	51.500	140	88Gam Peg	2.8340	26000.	103	6532	No
55	GOM_NL__2PRFIN20030531_110149_000000842016_00466_06532_7200.N1	31-MAY-2003 11:01:49	Dark	83.500	90	54Alp Peg	2.4870	11000.	167	6532	No
56	GOM_NL__2PRFIN20030531_110740_000000512016_00466_06532_7201.N1	31-MAY-2003 11:07:40	Dark	50.500	52	16Bet Cet	2.0370	4500.0	101	6532	No
57	GOM_NL__2PRFIN20030531_111423_000000402016_00466_06532_7202.N1	31-MAY-2003 11:14:23	Dark	39.500	84	Alp Phe	2.3970	4500.0	79	6532	No
58	GOM_NL__2PRFIN20030531_111613_000000672016_00466_06532_7203.N1	31-MAY-2003 11:16:13	Dark	66.500	18	24Alp PsA	1.1660	9700.0	133	6532	No
59	GOM_NL__2PRFIN20030531_111937_000000592016_00467_06533_7176.N1	31-MAY-2003 11:19:37	Dark	58.500	63	Bet Gru	2.1500	2800.0	117	6533	No
60	GOM_NL__2PRFIN20030531_112129_000000482016_00467_06533_7177.N1	31-MAY-2003 11:21:29	Dark	48.000	31	Alp Gru	1.7340	15200.	96	6533	No
61	GOM_NL__2PRFIN20030531_112446_000001782016_00467_06533_7178.N1	31-MAY-2003 11:24:46	Dark	177.50	1014	Mars	0.0000	0.0000	355	6533	Yes
62	GOM_NL__2PRFIN20030531_113247_000000432016_00467_06533_7179.N1	31-MAY-2003 11:32:47	Straylight	43.000	141	Bet Ara	2.8400	4600.0	86	6533	No
63	GOM_NL__2PRFIN20030531_113401_000000422016_00467_06533_7180.N1	31-MAY-2003 11:34:01	Straylight	41.500	147	Alp Ara	2.8770	26000.	83	6533	No
64	GOM_NL__2PRFIN20030531_113542_000000462016_00467_06533_7181.N1	31-MAY-2003 11:35:42	Straylight	46.000	40	The Sco	1.8590	7100.0	92	6533	No
65	GOM_NL__2PRFIN20030531_113730_000000452016_00467_06533_7182.N1	31-MAY-2003 11:37:30	Twilight	44.500	25	35Lam Sco	1.6200	28000.	89	6533	No
66	GOM_NL__2PRFIN20030531_113918_000000452016_00467_06533_7183.N1	31-MAY-2003 11:39:18	Twilight	44.500	75	26Eps Sco	2.2910	4250.0	89	6533	No
67	GOM_NL__2PRFIN20030531_114121_000000432016_00467_06533_7184.N1	31-MAY-2003 11:41:21	Bright	43.000	136	23Tau Sco	2.8220	30000.	86	6533	No
68	GOM_NL__2PRFIN20030531_114328_000000402016_00467_06533_7185.N1	31-MAY-2003 11:43:28	Bright	39.500	80	7Del Sco	2.3160	30000.	79	6533	No
69	GOM_NL__2PRFIN20030531_114502_000000482016_00467_06533_7186.N1	31-MAY-2003 11:45:02	Bright	47.500	86	35Eta Oph	2.4300	10200.	95	6533	No
70	GOM_NL__2PRFIN20030531_114654_000000422016_00467_06533_7187.N1	31-MAY-2003 11:46:54	Bright	42.000	98	13Zet Oph	2.5710	30000.	84	6533	No
71	GOM_NL__2PRFIN20030531_114907_000000422016_00467_06533_7188.N1	31-MAY-2003 11:49:07	Bright	41.500	120	1Del Oph	2.7340	3200.0	83	6533	No
72	GOM_NL__2PRFIN20030531_115207_000000392016_00467_06533_7189.N1	31-MAY-2003 11:52:07	Bright	39.000	102	24Alp Ser	2.6000	4250.0	78	6533	No
73	GOM_NL__2PRFIN20030531_115339_000000632016_00467_06533_7190.N1	31-MAY-2003 11:53:39	Bright	63.000	126	60Bet Oph	2.7700	4250.0	126	6533	No
74	GOM_NL__2PRFIN20030531_115803_000000392016_00467_06533_7191.N1	31-MAY-2003 11:58:03	Bright	38.500	83		2.3780	11000.	77	6533	No
75	GOM_NL__2PRFIN20030531_120114_000000362016_00467_06533_7192.N1	31-MAY-2003 12:01:14	Bright	35.500	180	27Gam Boo	3.0400	8000.0	71	6533	No
76	GOM_NL__2PRFIN20030531_120841_000000402016_00467_06533_7193.N1	31-MAY-2003 12:08:41	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	6533	No
77	GOM_NL__2PRFIN20030531_121119_000000392016_00467_06533_7194.N1	31-MAY-2003 12:11:19	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	6533	No
78	GOM_NL__2PRFIN20030531_121559_000000372016_00467_06533_7195.N1	31-MAY-2003 12:15:59	Bright	37.000	49	1Alp UMi	1.9900	6300.0	74	6533	No
79	GOM_NL__2PRFIN20030531_121909_000000492016_00467_06533_7196.N1	31-MAY-2003 12:19:09	Bright	48.500	89	5Alp Cep	2.4510	8000.0	97	6533	No
80	GOM_NL__2PRFIN20030531_122403_000000382016_00467_06533_7197.N1	31-MAY-2003 12:24:03	Bright	37.500	76	27Gam Cas	2.3000	30000.	75	6533	No
81	GOM_NL__2PRFIN20030531_123145_000000482016_00467_06533_7198.N1	31-MAY-2003 12:31:45	Bright	47.500	53	43Bet And	2.0480	3300.0	95	6533	No
82	GOM_NL__2PRFIN20030531_123426_000000552016_00467_06533_7199.N1	31-MAY-2003 12:34:26	Twilight	55.000	58	21Alp And	2.0730	11000.	110	6533	No
83	GOM_NL__2PRFIN20030531_123918_000000552016_00467_06533_7200.N1	31-MAY-2003 12:39:18	Dark	54.500	140	88Gam Peg	2.8340	26000.	109	6533	No
84	GOM_NL__2PRFIN20030531_124226_000000852016_00467_06533_7201.N1	31-MAY-2003 12:42:26	Dark	85.000	90	54Alp Peg	2.4870	11000.	170	6533	No
85	GOM_NL__2PRFIN20030531_124816_000000472016_00467_06533_7202.N1	31-MAY-2003 12:48:16	Dark	46.500	52	16Bet Cet	2.0370	4500.0	93	6533	No
86	GOM_NL__2PRFIN20030531_125459_000000462016_00467_06533_7203.N1	31-MAY-2003 12:54:59	Dark	46.000	84	Alp Phe	2.3970	4500.0	92	6533	No
87	GOM_NL__2PRFIN20030531_125650_000000552016_00467_06533_7204.N1	31-MAY-2003 12:56:50	Dark	54.500	18	24Alp PsA	1.1660	9700.0	109	6533	No
88	GOM_NL__2PRFIN20030531_130014_000000622016_00468_06534_7177.N1	31-MAY-2003 13:00:14	Dark	62.000	63	Bet Gru	2.1500	2800.0	124	6534	No
89	GOM_NL__2PRFIN20030531_130205_000000482016_00468_06534_7178.N1	31-MAY-2003 13:02:05	Dark	47.500	31	Alp Gru	1.7340	15200.	95	6534	No
90	GOM_NL__2PRFIN20030531_130524_000001512016_00468_06534_7179.N1	31-MAY-2003 13:05:24	Dark	151.00	1014	Mars	0.0000	0.0000	302	6534	Yes
91	GOM_NL__2PRFIN20030531_131323_000000472016_00468_06534_7180.N1	31-MAY-2003 13:13:23	Straylight	47.000	141	Bet Ara	2.8400	4600.0	94	6534	No
92	GOM_NL__2PRFIN20030531_131437_000000412016_00468_06534_7181.N1	31-MAY-2003 13:14:37	Straylight	41.000	147	Alp Ara	2.8770	26000.	82	6534	No
93	GOM_NL__2PRFIN20030531_131619_000000512016_00468_06534_7182.N1	31-MAY-2003 13:16:19	Straylight	51.000	40	The Sco	1.8590	7100.0	102	6534	No
94	GOM_NL__2PRFIN20030531_131807_000000482016_00468_06534_7183.N1	31-MAY-2003 13:18:07	Twilight	48.000	25	35Lam Sco	1.6200	28000.	96	6534	No
95	GOM_NL__2PRFIN20030531_131954_000000492016_00468_06534_7184.N1	31-MAY-2003 13:19:54	Twilight	49.000	75	26Eps Sco	2.2910	4250.0	98	6534	No
96	GOM_NL__2PRFIN20030531_132157_000000432016_00468_06534_7185.N1	31-MAY-2003 13:21:57	Bright	42.500	136	23Tau Sco	2.8220	30000.	85	6534	No
97	GOM_NL__2PRFIN20030531_132404_000000412016_00468_06534_7186.N1	31-MAY-2003 13:24:04	Bright	40.500	80	7Del Sco	2.3160	30000.	81	6534	No
98	GOM_NL__2PRFIN20030531_132537_000000482016_00468_06534_7187.N1	31-MAY-2003 13:25:37	Bright	47.500	86	35Eta Oph	2.4300	10200.	95	6534	No
99	GOM_NL__2PRFIN20030531_132730_000000432016_00468_06534_7188.N1	31-MAY-2003 13:27:30	Bright	42.500	98	13Zet Oph	2.5710	30000.	85	6534	No
100	GOM_NL__2PRFIN20030531_132942_000000422016_00468_06534_7189.N1	31-MAY-2003 13:29:42	Bright	42.000	120	1Del Oph	2.7340	3200.0	84	6534	No
101	GOM_NL__2PRFIN20030531_133243_000000392016_00468_06534_7190.N1	31-MAY-2003 13:32:43	Bright	38.500	102	24Alp Ser	2.6000	4250.0	77	6534	No

102	GOM_NL__2PRFIN20030531_133415_000000652016_00468_06534_7191.N1	31-MAY-2003 13:34:15	Bright	65.000	126	60Bet Oph	2.7700	4250.0	130	6534	No
103	GOM_NL__2PRFIN20030531_133839_000000372016_00468_06534_7192.N1	31-MAY-2003 13:38:39	Bright	36.500	83		2.3780	11000.	73	6534	No
104	GOM_NL__2PRFIN20030531_134150_000000352016_00468_06534_7193.N1	31-MAY-2003 13:41:50	Bright	35.000	180	27Gam Boo	3.0400	8000.0	70	6534	No
105	GOM_NL__2PRFIN20030531_134916_000000422016_00468_06534_7194.N1	31-MAY-2003 13:49:16	Bright	41.500	119	14Eta Dra	2.7270	4700.0	83	6534	No
106	GOM_NL__2PRFIN20030531_135154_000000392016_00468_06534_7195.N1	31-MAY-2003 13:51:54	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	6534	No
107	GOM_NL__2PRFIN20030531_135635_000000342016_00468_06534_7196.N1	31-MAY-2003 13:56:35	Bright	34.000	49	1Alp UMi	1.9900	6300.0	68	6534	No
108	GOM_NL__2PRFIN20030531_135944_000000502016_00468_06534_7197.N1	31-MAY-2003 13:59:44	Bright	49.500	89	5Alp Cep	2.4510	8000.0	99	6534	No
109	GOM_NL__2PRFIN20030531_140439_000000392016_00468_06534_7198.N1	31-MAY-2003 14:04:39	Bright	38.500	76	27Gam Cas	2.3000	30000.	77	6534	No
110	GOM_NL__2PRFIN20030531_141221_000000492016_00468_06534_7199.N1	31-MAY-2003 14:12:21	Bright	49.000	53	43Bet And	2.0480	3300.0	98	6534	No
111	GOM_NL__2PRFIN20030531_141502_000000552016_00468_06534_7200.N1	31-MAY-2003 14:15:02	Twi_and_stray	55.000	58	21Alp And	2.0730	11000.	110	6534	No
112	GOM_NL__2PRFIN20030531_141954_000000532016_00468_06534_7201.N1	31-MAY-2003 14:19:54	Dark	52.500	140	88Gam Peg	2.8340	26000.	105	6534	No
113	GOM_NL__2PRFIN20030531_142303_000000882016_00468_06534_7202.N1	31-MAY-2003 14:23:03	Dark	88.000	90	54Alp Peg	2.4870	11000.	176	6534	No
114	GOM_NL__2PRFIN20030531_142852_000000522016_00468_06534_7203.N1	31-MAY-2003 14:28:52	Dark	51.500	52	16Bet Cet	2.0370	4500.0	103	6534	No
115	GOM_NL__2PRFIN20030531_143535_000000482016_00468_06534_7204.N1	31-MAY-2003 14:35:35	Dark	47.500	84	Alp Phe	2.3970	4500.0	95	6534	No
116	GOM_NL__2PRFIN20030531_143727_000000642016_00468_06534_7205.N1	31-MAY-2003 14:37:27	Dark	64.000	18	24Alp PsA	1.1660	9700.0	128	6534	No
117	GOM_NL__2PRFIN20030531_144050_000000472016_00469_06535_7178.N1	31-MAY-2003 14:40:50	Dark	46.500	63	Bet Gru	2.1500	2800.0	93	6535	No
118	GOM_NL__2PRFIN20030531_144242_000000482016_00469_06535_7179.N1	31-MAY-2003 14:42:42	Dark	48.000	31	Alp Gru	1.7340	15200.	96	6535	No
119	GOM_NL__2PRFIN20030531_144602_000001612016_00469_06535_7180.N1	31-MAY-2003 14:46:02	Dark	160.50	1014	Mars	0.0000	0.0000	321	6535	Yes
120	GOM_NL__2PRFIN20030531_145359_000000472016_00469_06535_7181.N1	31-MAY-2003 14:53:59	Straylight	47.000	141	Bet Ara	2.8400	4600.0	94	6535	No
121	GOM_NL__2PRFIN20030531_145513_000000422016_00469_06535_7182.N1	31-MAY-2003 14:55:13	Straylight	42.000	147	Alp Ara	2.8770	26000.	84	6535	No
122	GOM_NL__2PRFIN20030531_145654_000000452016_00469_06535_7183.N1	31-MAY-2003 14:56:54	Straylight	45.000	40	The Sco	1.8590	7100.0	90	6535	No
123	GOM_NL__2PRFIN20030531_145843_000000502016_00469_06535_7184.N1	31-MAY-2003 14:58:43	Twi_and_stray	50.000	25	35Lam Sco	1.6200	28000.	100	6535	No
124	GOM_NL__2PRFIN20030531_150030_000000492016_00469_06535_7185.N1	31-MAY-2003 15:00:30	Twi_and_stray	48.500	75	26Eps Sco	2.2910	4250.0	97	6535	No
125	GOM_NL__2PRFIN20030531_150231_000000472016_00469_06535_7186.N1	31-MAY-2003 15:02:31	Bright	46.500	136	23Tau Sco	2.8220	30000.	93	6535	No
126	GOM_NL__2PRFIN20030531_150440_000000412016_00469_06535_7187.N1	31-MAY-2003 15:04:40	Bright	41.000	80	7Del Sco	2.3160	30000.	82	6535	No
127	GOM_NL__2PRFIN20030531_150610_000000502016_00469_06535_7188.N1	31-MAY-2003 15:06:10	Bright	49.500	86	35Eta Oph	2.4300	10200.	99	6535	No
128	GOM_NL__2PRFIN20030531_150805_000000442016_00469_06535_7189.N1	31-MAY-2003 15:08:05	Bright	44.000	98	13Zet Oph	2.5710	30000.	88	6535	No
129	GOM_NL__2PRFIN20030531_151017_000000442016_00469_06535_7190.N1	31-MAY-2003 15:10:17	Bright	43.500	120	1Del Oph	2.7340	3200.0	87	6535	No
130	GOM_NL__2PRFIN20030531_151913_000000402016_00469_06535_7191.N1	31-MAY-2003 15:19:13	Bright	39.500	83		2.3780	11000.	79	6535	No
131	GOM_NL__2PRFIN20030531_152227_000000352016_00469_06535_7192.N1	31-MAY-2003 15:22:27	Bright	35.000	180	27Gam Boo	3.0400	8000.0	70	6535	No
132	GOM_NL__2PRFIN20030531_152953_000000402016_00469_06535_7193.N1	31-MAY-2003 15:29:53	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	6535	No
133	GOM_NL__2PRFIN20030531_153231_000000372016_00469_06535_7194.N1	31-MAY-2003 15:32:31	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	6535	No
134	GOM_NL__2PRFIN20030531_153712_000000362016_00469_06535_7195.N1	31-MAY-2003 15:37:12	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	6535	No
135	GOM_NL__2PRFIN20030531_154021_000000492016_00469_06535_7196.N1	31-MAY-2003 15:40:21	Bright	48.500	89	5Alp Cep	2.4510	8000.0	97	6535	No
136	GOM_NL__2PRFIN20030531_154515_000000372016_00469_06535_7197.N1	31-MAY-2003 15:45:15	Bright	37.000	76	27Gam Cas	2.3000	30000.	74	6535	No
137	GOM_NL__2PRFIN20030531_155258_000000442016_00469_06535_7198.N1	31-MAY-2003 15:52:58	Bright	43.500	53	43Bet And	2.0480	3300.0	87	6535	No
138	GOM_NL__2PRFIN20030531_155539_000000542016_00469_06535_7199.N1	31-MAY-2003 15:55:39	Twi_and_stray	54.000	58	21Alp And	2.0730	11000.	108	6535	No
139	GOM_NL__2PRFIN20030531_160032_000000522016_00469_06535_7200.N1	31-MAY-2003 16:00:32	Dark	52.000	140	88Gam Peg	2.8340	26000.	104	6535	No
140	GOM_NL__2PRFIN20030531_160341_000000842016_00469_06535_7201.N1	31-MAY-2003 16:03:41	Dark	84.000	90	54Alp Peg	2.4870	11000.	168	6535	No
141	GOM_NL__2PRFIN20030531_160930_000000542016_00469_06535_7202.N1	31-MAY-2003 16:09:30	Dark	53.500	52	16Bet Cet	2.0370	4500.0	107	6535	No
142	GOM_NL__2PRFIN20030531_161613_000000442016_00469_06535_7203.N1	31-MAY-2003 16:16:13	Dark	44.000	84	Alp Phe	2.3970	4500.0	88	6535	No
143	GOM_NL__2PRFIN20030531_161805_000000532016_00469_06535_7204.N1	31-MAY-2003 16:18:05	Dark	53.000	18	24Alp PsA	1.1660	9700.0	106	6535	No
144	GOM_NL__2PRFIN20030531_162129_000000482016_00470_06536_7199.N1	31-MAY-2003 16:21:29	Dark	48.000	63	Bet Gru	2.1500	2800.0	96	6536	No
145	GOM_NL__2PRFIN20030531_162320_000000482016_00470_06536_7200.N1	31-MAY-2003 16:23:20	Dark	48.000	31	Alp Gru	1.7340	15200.	96	6536	No
146	GOM_NL__2PRFIN20030531_162639_000001712016_00470_06536_7201.N1	31-MAY-2003 16:26:39	Dark	171.00	1014	Mars	0.0000	0.0000	342	6536	Yes
147	GOM_NL__2PRFIN20030531_163436_000000402016_00470_06536_7202.N1	31-MAY-2003 16:34:36	Straylight	40.000	141	Bet Ara	2.8400	4600.0	80	6536	No
148	GOM_NL__2PRFIN20030531_163551_000000402016_00470_06536_7203.N1	31-MAY-2003 16:35:51	Straylight	39.500	147	Alp Ara	2.8770	26000.	79	6536	No
149	GOM_NL__2PRFIN20030531_163732_000000472016_00470_06536_7204.N1	31-MAY-2003 16:37:32	Straylight	47.000	40	The Sco	1.8590	7100.0	94	6536	No
150	GOM_NL__2PRFIN20030531_163920_000000512016_00470_06536_7205.N1	31-MAY-2003 16:39:20	Twi_and_stray	50.500	25	35Lam Sco	1.6200	28000.	101	6536	No
151	GOM_NL__2PRFIN20030531_164108_000000482016_00470_06536_7206.N1	31-MAY-2003 16:41:08	Twi_and_stray	47.500	75	26Eps Sco	2.2910	4250.0	95	6536	No
152	GOM_NL__2PRFIN20030531_164311_000000412016_00470_06536_7207.N1	31-MAY-2003 16:43:11	Bright	40.500	136	23Tau Sco	2.8220	30000.	81	6536	No
153	GOM_NL__2PRFIN20030531_164517_000000412016_00470_06536_7208.N1	31-MAY-2003 16:45:17	Bright	40.500	80	7Del Sco	2.3160	30000.	81	6536	No
154	GOM_NL__2PRFIN20030531_164650_000000482016_00470_06536_7209.N1	31-MAY-2003 16:46:50	Bright	47.500	86	35Eta Oph	2.4300	10200.	95	6536	No
155	GOM_NL__2PRFIN20030531_164843_000000432016_00470_06536_7210.N1	31-MAY-2003 16:48:43	Bright	43.000	98	13Zet Oph	2.5710	30000.	86	6536	No
156	GOM_NL__2PRFIN20030531_165055_000000422016_00470_06536_7211.N1	31-MAY-2003 16:50:55	Bright	42.000	120	1Del Oph	2.7340	3200.0	84	6536	No
157	GOM_NL__2PRFIN20030531_165952_000000382016_00470_06536_7212.N1	31-MAY-2003 16:59:52	Bright	38.000	83		2.3780	11000.	76	6536	No
158	GOM_NL__2PRFIN20030531_170303_000000352016_00470_06536_7213.N1	31-MAY-2003 17:03:03	Bright	35.000	180	27Gam Boo	3.0400	8000.0	70	6536	No
159	GOM_NL__2PRFIN20030531_171029_000000402016_00470_06536_7214.N1	31-MAY-2003 17:10:29	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	6536	No
160	GOM_NL__2PRFIN20030531_171307_000000372016_00470_06536_7215.N1	31-MAY-2003 17:13:07	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	6536	No



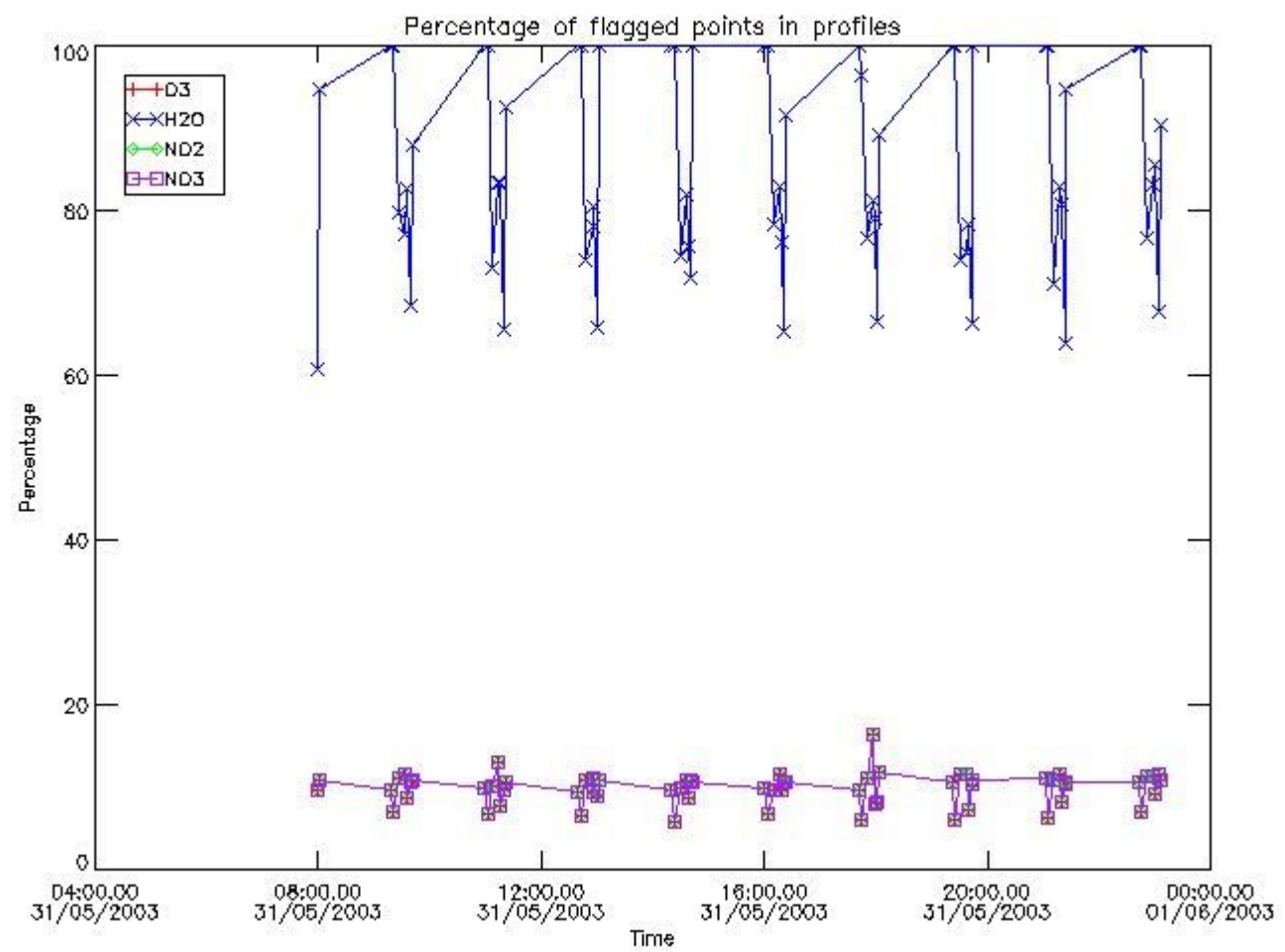
161	GOM_NL__2PRFIN20030531_171748_000000362016_00470_06536_7216.N1	31-MAY-2003 17:17:48	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	6536	No
162	GOM_NL__2PRFIN20030531_172056_000000482016_00470_06536_7217.N1	31-MAY-2003 17:20:56	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	6536	No
163	GOM_NL__2PRFIN20030531_172551_000000372016_00470_06536_7218.N1	31-MAY-2003 17:25:51	Bright	36.500	76	27Gam Cas	2.3000	30000.	73	6536	No
164	GOM_NL__2PRFIN20030531_173334_000000452016_00470_06536_7219.N1	31-MAY-2003 17:33:34	Bright	44.500	53	43Bet And	2.0480	3300.0	89	6536	No
165	GOM_NL__2PRFIN20030531_173615_000000532016_00470_06536_7220.N1	31-MAY-2003 17:36:15	Tw_i_and_stray	53.000	58	21Alp And	2.0730	11000.	106	6536	No
166	GOM_NL__2PRFIN20030531_174108_000000532016_00470_06536_7221.N1	31-MAY-2003 17:41:08	Dark	53.000	140	88Gam Peg	2.8340	26000.	106	6536	No
167	GOM_NL__2PRFIN20030531_174418_000000842016_00470_06536_7222.N1	31-MAY-2003 17:44:18	Dark	84.000	90	54Alp Peg	2.4870	11000.	168	6536	No
168	GOM_NL__2PRFIN20030531_175007_000000462016_00470_06536_7223.N1	31-MAY-2003 17:50:07	Dark	45.500	52	16Bet Cet	2.0370	4500.0	91	6536	No
169	GOM_NL__2PRFIN20030531_175649_000000412016_00470_06536_7224.N1	31-MAY-2003 17:56:49	Dark	40.500	84	Alp Phe	2.3970	4500.0	81	6536	No
170	GOM_NL__2PRFIN20030531_175842_000000652016_00470_06536_7225.N1	31-MAY-2003 17:58:42	Dark	65.000	18	24Alp PsA	1.1660	9700.0	130	6536	No
171	GOM_NL__2PRFIN20030531_180205_000000622016_00471_06537_7200.N1	31-MAY-2003 18:02:05	Dark	61.500	63	Bet Gru	2.1500	2800.0	123	6537	No
172	GOM_NL__2PRFIN20030531_180357_000000472016_00471_06537_7201.N1	31-MAY-2003 18:03:57	Dark	47.000	31	Alp Gru	1.7340	15200.	94	6537	No
173	GOM_NL__2PRFIN20030531_180717_000001852016_00471_06537_7202.N1	31-MAY-2003 18:07:17	Dark	185.00	1014	Mars	0.0000	0.0000	370	6537	Yes
174	GOM_NL__2PRFIN20030531_181513_000000422016_00471_06537_7203.N1	31-MAY-2003 18:15:13	Straylight	41.500	141	Bet Ara	2.8400	4600.0	83	6537	No
175	GOM_NL__2PRFIN20030531_181627_000000402016_00471_06537_7204.N1	31-MAY-2003 18:16:27	Straylight	40.000	147	Alp Ara	2.8770	26000.	80	6537	No
176	GOM_NL__2PRFIN20030531_181808_000000482016_00471_06537_7205.N1	31-MAY-2003 18:18:08	Straylight	47.500	40	The Sco	1.8590	7100.0	95	6537	No
177	GOM_NL__2PRFIN20030531_181956_000000482016_00471_06537_7206.N1	31-MAY-2003 18:19:56	Tw_i_and_stray	47.500	25	35Lam Sco	1.6200	28000.	95	6537	No
178	GOM_NL__2PRFIN20030531_182144_000000482016_00471_06537_7207.N1	31-MAY-2003 18:21:44	Tw_i_and_stray	48.000	75	26Eps Sco	2.2910	4250.0	96	6537	No
179	GOM_NL__2PRFIN20030531_182347_000000422016_00471_06537_7208.N1	31-MAY-2003 18:23:47	Bright	42.000	136	23Tau Sco	2.8220	30000.	84	6537	No
180	GOM_NL__2PRFIN20030531_182553_000000412016_00471_06537_7209.N1	31-MAY-2003 18:25:53	Bright	40.500	80	7Del Sco	2.3160	30000.	81	6537	No
181	GOM_NL__2PRFIN20030531_182726_000000472016_00471_06537_7210.N1	31-MAY-2003 18:27:26	Bright	46.500	86	35Eta Oph	2.4300	10200.	93	6537	No
182	GOM_NL__2PRFIN20030531_182919_000000432016_00471_06537_7211.N1	31-MAY-2003 18:29:19	Bright	43.000	98	13Zet Oph	2.5710	30000.	86	6537	No
183	GOM_NL__2PRFIN20030531_183131_000000412016_00471_06537_7212.N1	31-MAY-2003 18:31:31	Bright	41.000	120	1Del Oph	2.7340	3200.0	82	6537	No
184	GOM_NL__2PRFIN20030531_184028_000000382016_00471_06537_7213.N1	31-MAY-2003 18:40:28	Bright	37.500	83		2.3780	11000.	75	6537	No
185	GOM_NL__2PRFIN20030531_184339_000000362016_00471_06537_7214.N1	31-MAY-2003 18:43:39	Bright	35.500	180	27Gam Boo	3.0400	8000.0	71	6537	No
186	GOM_NL__2PRFIN20030531_185104_000000412016_00471_06537_7215.N1	31-MAY-2003 18:51:04	Bright	40.500	119	14Eta Dra	2.7270	4700.0	81	6537	No
187	GOM_NL__2PRFIN20030531_185343_000000382016_00471_06537_7216.N1	31-MAY-2003 18:53:43	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	6537	No
188	GOM_NL__2PRFIN20030531_185824_000000372016_00471_06537_7217.N1	31-MAY-2003 18:58:24	Bright	37.000	49	1Alp UMi	1.9900	6300.0	74	6537	No
189	GOM_NL__2PRFIN20030531_190131_000000482016_00471_06537_7218.N1	31-MAY-2003 19:01:31	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	6537	No
190	GOM_NL__2PRFIN20030531_190627_000000392016_00471_06537_7219.N1	31-MAY-2003 19:06:27	Bright	39.000	76	27Gam Cas	2.3000	30000.	78	6537	No
191	GOM_NL__2PRFIN20030531_191410_000000462016_00471_06537_7220.N1	31-MAY-2003 19:14:10	Bright	45.500	53	43Bet And	2.0480	3300.0	91	6537	No
192	GOM_NL__2PRFIN20030531_191651_000000522016_00471_06537_7221.N1	31-MAY-2003 19:16:51	Tw_i_and_stray	52.000	58	21Alp And	2.0730	11000.	104	6537	No
193	GOM_NL__2PRFIN20030531_192145_000000532016_00471_06537_7222.N1	31-MAY-2003 19:21:45	Dark	52.500	140	88Gam Peg	2.8340	26000.	105	6537	No
194	GOM_NL__2PRFIN20030531_192454_000000862016_00471_06537_7223.N1	31-MAY-2003 19:24:54	Dark	86.000	90	54Alp Peg	2.4870	11000.	172	6537	No
195	GOM_NL__2PRFIN20030531_193043_000000452016_00471_06537_7224.N1	31-MAY-2003 19:30:43	Dark	44.500	52	16Bet Cet	2.0370	4500.0	89	6537	No
196	GOM_NL__2PRFIN20030531_193726_000000452016_00471_06537_7225.N1	31-MAY-2003 19:37:26	Dark	44.500	84	Alp Phe	2.3970	4500.0	89	6537	No
197	GOM_NL__2PRFIN20030531_193919_000000702016_00471_06537_7226.N1	31-MAY-2003 19:39:19	Dark	69.500	18	24Alp PsA	1.1660	9700.0	139	6537	No
198	GOM_NL__2PRFIN20030531_194242_000000502016_00472_06538_7201.N1	31-MAY-2003 19:42:42	Dark	49.500	63	Bet Gru	2.1500	2800.0	99	6538	No
199	GOM_NL__2PRFIN20030531_194434_000000472016_00472_06538_7202.N1	31-MAY-2003 19:44:34	Dark	47.000	31	Alp Gru	1.7340	15200.	94	6538	No
200	GOM_NL__2PRFIN20030531_194754_000001622016_00472_06538_7203.N1	31-MAY-2003 19:47:54	Dark	162.00	1014	Mars	0.0000	0.0000	324	6538	Yes
201	GOM_NL__2PRFIN20030531_195549_000000442016_00472_06538_7204.N1	31-MAY-2003 19:55:49	Straylight	43.500	141	Bet Ara	2.8400	4600.0	87	6538	No
202	GOM_NL__2PRFIN20030531_195704_000000402016_00472_06538_7205.N1	31-MAY-2003 19:57:04	Straylight	40.000	147	Alp Ara	2.8770	26000.	80	6538	No
203	GOM_NL__2PRFIN20030531_195845_000000472016_00472_06538_7206.N1	31-MAY-2003 19:58:45	Straylight	46.500	40	The Sco	1.8590	7100.0	93	6538	No
204	GOM_NL__2PRFIN20030531_200033_000000492016_00472_06538_7207.N1	31-MAY-2003 20:00:33	Tw_i_and_stray	48.500	25	35Lam Sco	1.6200	28000.	97	6538	No
205	GOM_NL__2PRFIN20030531_200220_000000472016_00472_06538_7208.N1	31-MAY-2003 20:02:20	Tw_i_and_stray	47.000	75	26Eps Sco	2.2910	4250.0	94	6538	No
206	GOM_NL__2PRFIN20030531_200423_000000422016_00472_06538_7209.N1	31-MAY-2003 20:04:23	Bright	42.000	136	23Tau Sco	2.8220	30000.	84	6538	No
207	GOM_NL__2PRFIN20030531_200629_000000402016_00472_06538_7210.N1	31-MAY-2003 20:06:29	Bright	40.000	80	7Del Sco	2.3160	30000.	80	6538	No
208	GOM_NL__2PRFIN20030531_200802_000000462016_00472_06538_7211.N1	31-MAY-2003 20:08:02	Bright	45.500	86	35Eta Oph	2.4300	10200.	91	6538	No
209	GOM_NL__2PRFIN20030531_200955_000000432016_00472_06538_7212.N1	31-MAY-2003 20:09:55	Bright	42.500	98	13Zet Oph	2.5710	30000.	85	6538	No
210	GOM_NL__2PRFIN20030531_201207_000000402016_00472_06538_7213.N1	31-MAY-2003 20:12:07	Bright	40.000	120	1Del Oph	2.7340	3200.0	80	6538	No
211	GOM_NL__2PRFIN20030531_202104_000000362016_00472_06538_7214.N1	31-MAY-2003 20:21:04	Bright	36.000	83		2.3780	11000.	72	6538	No
212	GOM_NL__2PRFIN20030531_202415_000000362016_00472_06538_7215.N1	31-MAY-2003 20:24:15	Bright	35.500	180	27Gam Boo	3.0400	8000.0	71	6538	No
213	GOM_NL__2PRFIN20030531_203140_000000412016_00472_06538_7216.N1	31-MAY-2003 20:31:40	Bright	41.000	119	14Eta Dra	2.7270	4700.0	82	6538	No
214	GOM_NL__2PRFIN20030531_203419_000000352016_00472_06538_7217.N1	31-MAY-2003 20:34:19	Bright	35.000	60	7Bet UMi	2.0810	3950.0	70	6538	No
215	GOM_NL__2PRFIN20030531_203900_000000362016_00472_06538_7218.N1	31-MAY-2003 20:39:00	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	6538	No
216	GOM_NL__2PRFIN20030531_204207_000000472016_00472_06538_7219.N1	31-MAY-2003 20:42:07	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	6538	No
217	GOM_NL__2PRFIN20030531_204703_000000382016_00472_06538_7220.N1	31-MAY-2003 20:47:03	Bright	38.000	76	27Gam Cas	2.3000	30000.	76	6538	No
218	GOM_NL__2PRFIN20030531_205446_000000432016_00472_06538_7221.N1	31-MAY-2003 20:54:46	Bright	43.000	53	43Bet And	2.0480	3300.0	86	6538	No
219	GOM_NL__2PRFIN20030531_205727_000000572016_00472_06538_7222.N1	31-MAY-2003 20:57:27	Tw_i_and_stray	56.500	58	21Alp And	2.0730	11000.	113	6538	No

220	GOM_NL__2PRFIN20030531_210221_000000512016_00472_06538_7223.N1	31-MAY-2003 21:02:21	Dark	51.000	140	88Gam Peg	2.8340	26000.	102	6538	No
221	GOM_NL__2PRFIN20030531_210531_000000822016_00472_06538_7224.N1	31-MAY-2003 21:05:31	Dark	82.000	90	54Alp Peg	2.4870	11000.	164	6538	No
222	GOM_NL__2PRFIN20030531_211120_000000472016_00472_06538_7225.N1	31-MAY-2003 21:11:20	Dark	47.000	52	16Bet Cet	2.0370	4500.0	94	6538	No
223	GOM_NL__2PRFIN20030531_211802_000000452016_00472_06538_7226.N1	31-MAY-2003 21:18:02	Dark	44.500	84	Alp Phe	2.3970	4500.0	89	6538	No
224	GOM_NL__2PRFIN20030531_211956_000000632016_00472_06538_7227.N1	31-MAY-2003 21:19:56	Dark	62.500	18	24Alp PsA	1.1660	9700.0	125	6538	No
225	GOM_NL__2PRFIN20030531_212319_000000492016_00473_06539_7202.N1	31-MAY-2003 21:23:19	Dark	49.000	63	Bet Gru	2.1500	2800.0	98	6539	No
226	GOM_NL__2PRFIN20030531_212510_000000482016_00473_06539_7203.N1	31-MAY-2003 21:25:10	Dark	48.000	31	Alp Gru	1.7340	15200.	96	6539	No
227	GOM_NL__2PRFIN20030531_212833_000001432016_00473_06539_7204.N1	31-MAY-2003 21:28:33	Dark	142.50	1014	Mars	0.0000	0.0000	285	6539	Yes
228	GOM_NL__2PRFIN20030531_213626_000000482016_00473_06539_7205.N1	31-MAY-2003 21:36:26	Straylight	47.500	141	Bet Ara	2.8400	4600.0	95	6539	No
229	GOM_NL__2PRFIN20030531_213740_000000402016_00473_06539_7206.N1	31-MAY-2003 21:37:40	Straylight	39.500	147	Alp Ara	2.8770	26000.	79	6539	No
230	GOM_NL__2PRFIN20030531_213921_000000462016_00473_06539_7207.N1	31-MAY-2003 21:39:21	Straylight	45.500	40	The Sco	1.8590	7100.0	91	6539	No
231	GOM_NL__2PRFIN20030531_214109_000000482016_00473_06539_7208.N1	31-MAY-2003 21:41:09	Tw_i_and_stray	48.000	25	35Lam Sco	1.6200	28000.	96	6539	No
232	GOM_NL__2PRFIN20030531_214257_000000482016_00473_06539_7209.N1	31-MAY-2003 21:42:57	Tw_i_and_stray	47.500	75	26Eps Sco	2.2910	4250.0	95	6539	No
233	GOM_NL__2PRFIN20030531_214459_000000412016_00473_06539_7210.N1	31-MAY-2003 21:44:59	Bright	41.000	136	23Tau Sco	2.8220	30000.	82	6539	No
234	GOM_NL__2PRFIN20030531_214705_000000402016_00473_06539_7211.N1	31-MAY-2003 21:47:05	Bright	40.000	80	7Del Sco	2.3160	30000.	80	6539	No
235	GOM_NL__2PRFIN20030531_214838_000000462016_00473_06539_7212.N1	31-MAY-2003 21:48:38	Bright	46.000	86	35Eta Oph	2.4300	10200.	92	6539	No
236	GOM_NL__2PRFIN20030531_215031_000000422016_00473_06539_7213.N1	31-MAY-2003 21:50:31	Bright	42.000	98	13Zet Oph	2.5710	30000.	84	6539	No
237	GOM_NL__2PRFIN20030531_215242_000000412016_00473_06539_7214.N1	31-MAY-2003 21:52:42	Bright	40.500	120	1Del Oph	2.7340	3200.0	81	6539	No
238	GOM_NL__2PRFIN20030531_220139_000000372016_00473_06539_7215.N1	31-MAY-2003 22:01:39	Bright	37.000	83		2.3780	11000.	74	6539	No
239	GOM_NL__2PRFIN20030531_220451_000000362016_00473_06539_7216.N1	31-MAY-2003 22:04:51	Bright	35.500	180	27Gam Boo	3.0400	8000.0	71	6539	No
240	GOM_NL__2PRFIN20030531_221216_000000402016_00473_06539_7217.N1	31-MAY-2003 22:12:16	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	6539	No
241	GOM_NL__2PRFIN20030531_221455_000000392016_00473_06539_7218.N1	31-MAY-2003 22:14:55	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	6539	No
242	GOM_NL__2PRFIN20030531_221936_000000352016_00473_06539_7219.N1	31-MAY-2003 22:19:36	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	6539	No
243	GOM_NL__2PRFIN20030531_222242_000000492016_00473_06539_7220.N1	31-MAY-2003 22:22:42	Bright	48.500	89	5Alp Cep	2.4510	8000.0	97	6539	No
244	GOM_NL__2PRFIN20030531_222739_000000382016_00473_06539_7221.N1	31-MAY-2003 22:27:39	Bright	38.000	76	27Gam Cas	2.3000	30000.	76	6539	No
245	GOM_NL__2PRFIN20030531_223522_000000442016_00473_06539_7222.N1	31-MAY-2003 22:35:22	Bright	44.000	53	43Bet And	2.0480	3300.0	88	6539	No
246	GOM_NL__2PRFIN20030531_223803_000000522016_00473_06539_7223.N1	31-MAY-2003 22:38:03	Tw_i_and_stray	52.000	58	21Alp And	2.0730	11000.	104	6539	No
247	GOM_NL__2PRFIN20030531_224257_000000532016_00473_06539_7224.N1	31-MAY-2003 22:42:57	Dark	53.000	140	88Gam Peg	2.8340	26000.	106	6539	No
248	GOM_NL__2PRFIN20030531_224608_000000882016_00473_06539_7225.N1	31-MAY-2003 22:46:08	Dark	87.500	90	54Alp Peg	2.4870	11000.	175	6539	No
249	GOM_NL__2PRFIN20030531_225156_000000502016_00473_06539_7226.N1	31-MAY-2003 22:51:56	Dark	49.500	52	16Bet Cet	2.0370	4500.0	99	6539	No
250	GOM_NL__2PRFIN20030531_225839_000000452016_00473_06539_7227.N1	31-MAY-2003 22:58:39	Dark	45.000	84	Alp Phe	2.3970	4500.0	90	6539	No
251	GOM_NL__2PRFIN20030531_230033_000000562016_00473_06539_7228.N1	31-MAY-2003 23:00:33	Dark	55.500	18	24Alp PsA	1.1660	9700.0	111	6539	No
252	GOM_NL__2PRFIN20030531_230355_000000492016_00474_06540_7203.N1	31-MAY-2003 23:03:55	Dark	48.500	63	Bet Gru	2.1500	2800.0	97	6540	No
253	GOM_NL__2PRFIN20030531_230547_000000472016_00474_06540_7204.N1	31-MAY-2003 23:05:47	Dark	47.000	31	Alp Gru	1.7340	15200.	94	6540	No
254	GOM_NL__2PRFIN20030531_230911_000001752016_00474_06540_7205.N1	31-MAY-2003 23:09:11	Dark	174.50	1014	Mars	0.0000	0.0000	349	6540	Yes
255	GOM_NL__2PRFIN20030531_231702_000000462016_00474_06540_7206.N1	31-MAY-2003 23:17:02	Straylight	45.500	141	Bet Ara	2.8400	4600.0	91	6540	No
256	GOM_NL__2PRFIN20030531_231816_000000432016_00474_06540_7207.N1	31-MAY-2003 23:18:16	Straylight	42.500	147	Alp Ara	2.8770	26000.	85	6540	No
257	GOM_NL__2PRFIN20030531_231958_000000472016_00474_06540_7208.N1	31-MAY-2003 23:19:58	Straylight	47.000	40	The Sco	1.8590	7100.0	94	6540	No
258	GOM_NL__2PRFIN20030531_232145_000000492016_00474_06540_7209.N1	31-MAY-2003 23:21:45	Tw_i_and_stray	48.500	25	35Lam Sco	1.6200	28000.	97	6540	No
259	GOM_NL__2PRFIN20030531_232333_000000472016_00474_06540_7210.N1	31-MAY-2003 23:23:33	Tw_i_and_stray	47.000	75	26Eps Sco	2.2910	4250.0	94	6540	No
260	GOM_NL__2PRFIN20030531_232535_000000452016_00474_06540_7211.N1	31-MAY-2003 23:25:35	Bright	44.500	136	23Tau Sco	2.8220	30000.	89	6540	No
261	GOM_NL__2PRFIN20030531_232741_000000402016_00474_06540_7212.N1	31-MAY-2003 23:27:41	Bright	39.500	80	7Del Sco	2.3160	30000.	79	6540	No
262	GOM_NL__2PRFIN20030531_232914_000000472016_00474_06540_7213.N1	31-MAY-2003 23:29:14	Bright	47.000	86	35Eta Oph	2.4300	10200.	94	6540	No
263	GOM_NL__2PRFIN20030531_233106_000000432016_00474_06540_7214.N1	31-MAY-2003 23:31:06	Bright	42.500	98	13Zet Oph	2.5710	30000.	85	6540	No
264	GOM_NL__2PRFIN20030531_233318_000000412016_00474_06540_7215.N1	31-MAY-2003 23:33:18	Bright	41.000	120	1Del Oph	2.7340	3200.0	82	6540	No
265	GOM_NL__2PRFIN20030531_233619_000000382016_00474_06540_7216.N1	31-MAY-2003 23:36:19	Bright	37.500	102	24Alp Ser	2.6000	4250.0	75	6540	No
266	GOM_NL__2PRFIN20030531_234216_000000372016_00474_06540_7217.N1	31-MAY-2003 23:42:16	Bright	36.500	83		2.3780	11000.	73	6540	No
267	GOM_NL__2PRFIN20030531_234527_000000342016_00474_06540_7218.N1	31-MAY-2003 23:45:27	Bright	34.000	180	27Gam Boo	3.0400	8000.0	68	6540	No
268	GOM_NL__2PRFIN20030531_235251_000000372016_00474_06540_7219.N1	31-MAY-2003 23:52:51	Bright	37.000	119	14Eta Dra	2.7270	4700.0	74	6540	No
269	GOM_NL__2PRFIN20030531_235531_000000332016_00474_06540_7220.N1	31-MAY-2003 23:55:31	Bright	33.000	60	7Bet UMi	2.0810	3950.0	66	6540	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.

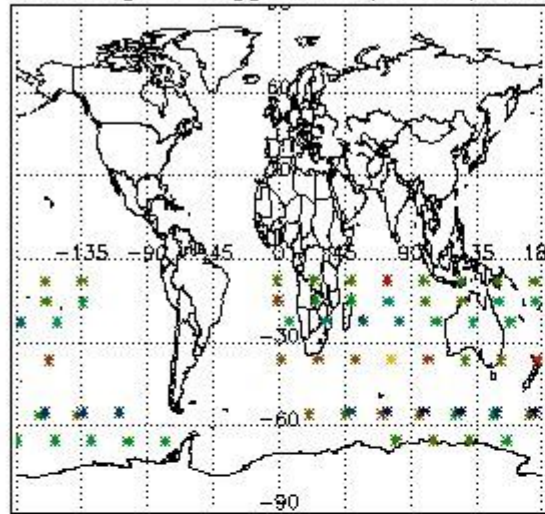
3.1 Plot quality information per product (time dependant)



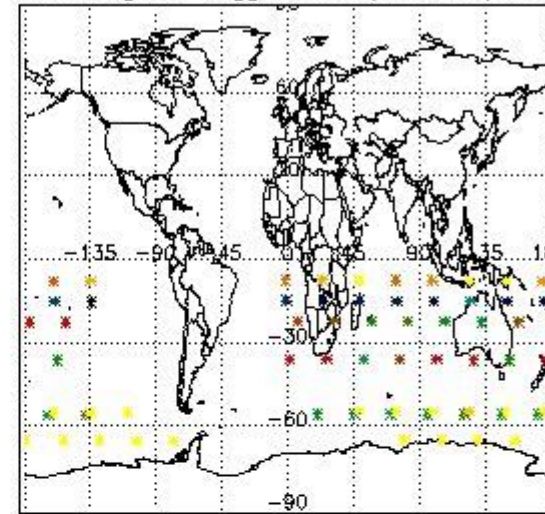
3.2 Plot quality information per product (world map)



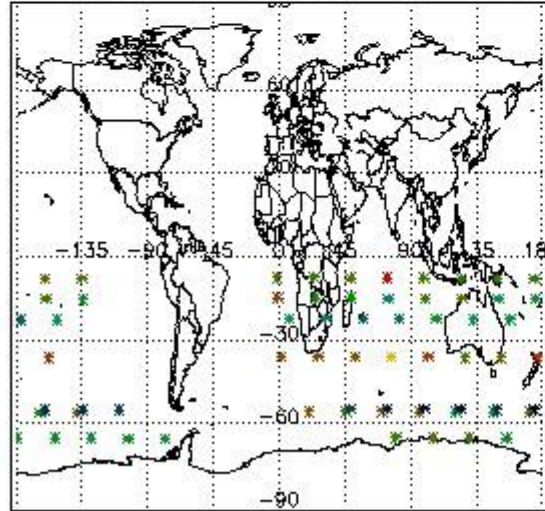
Percentage of flagged data per O3 profile



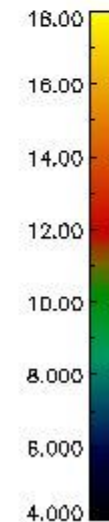
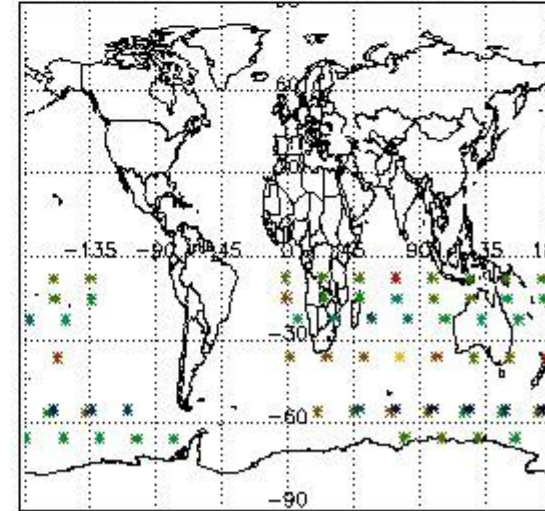
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile



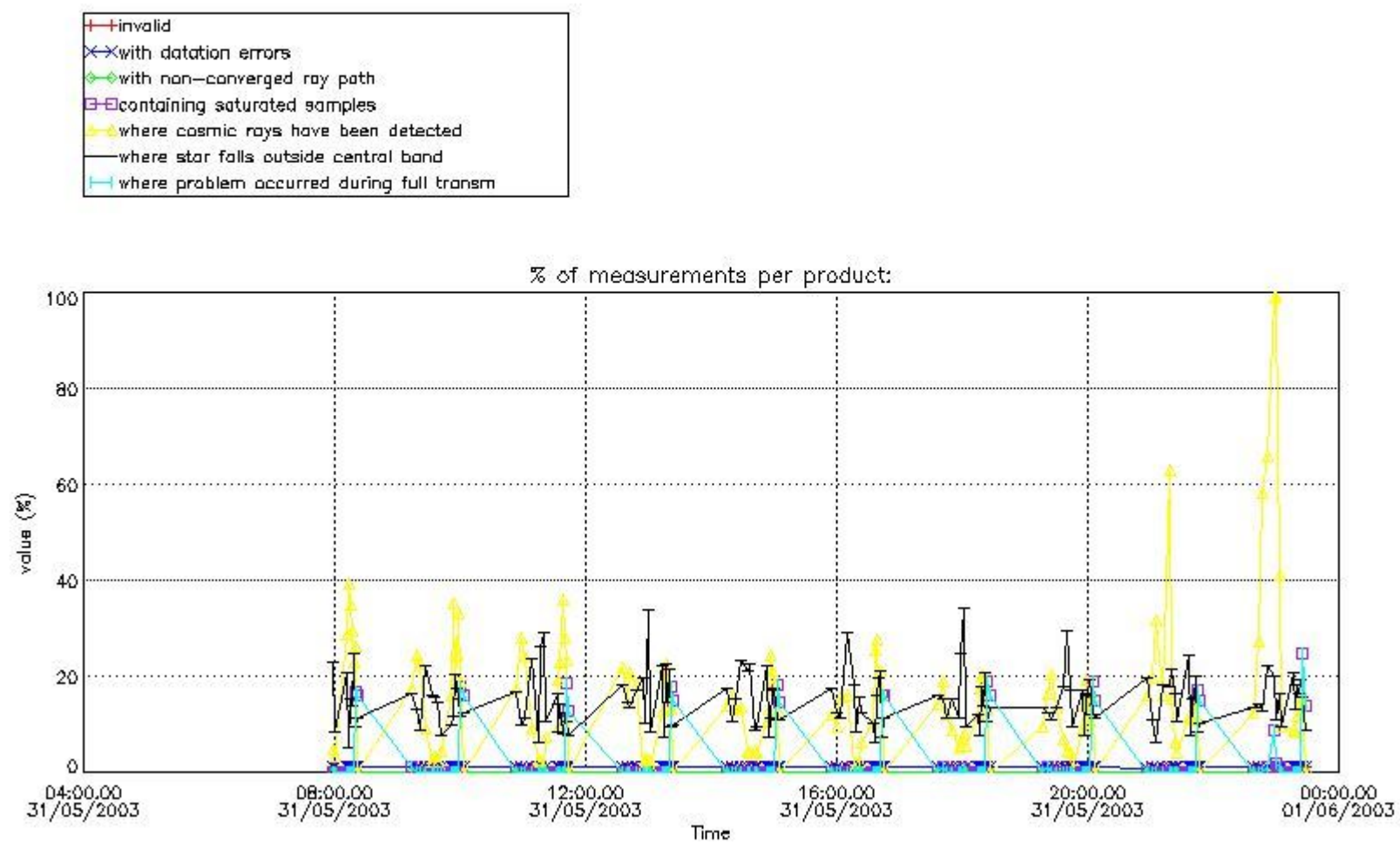
#### 4. Level 1 quality information per product

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.

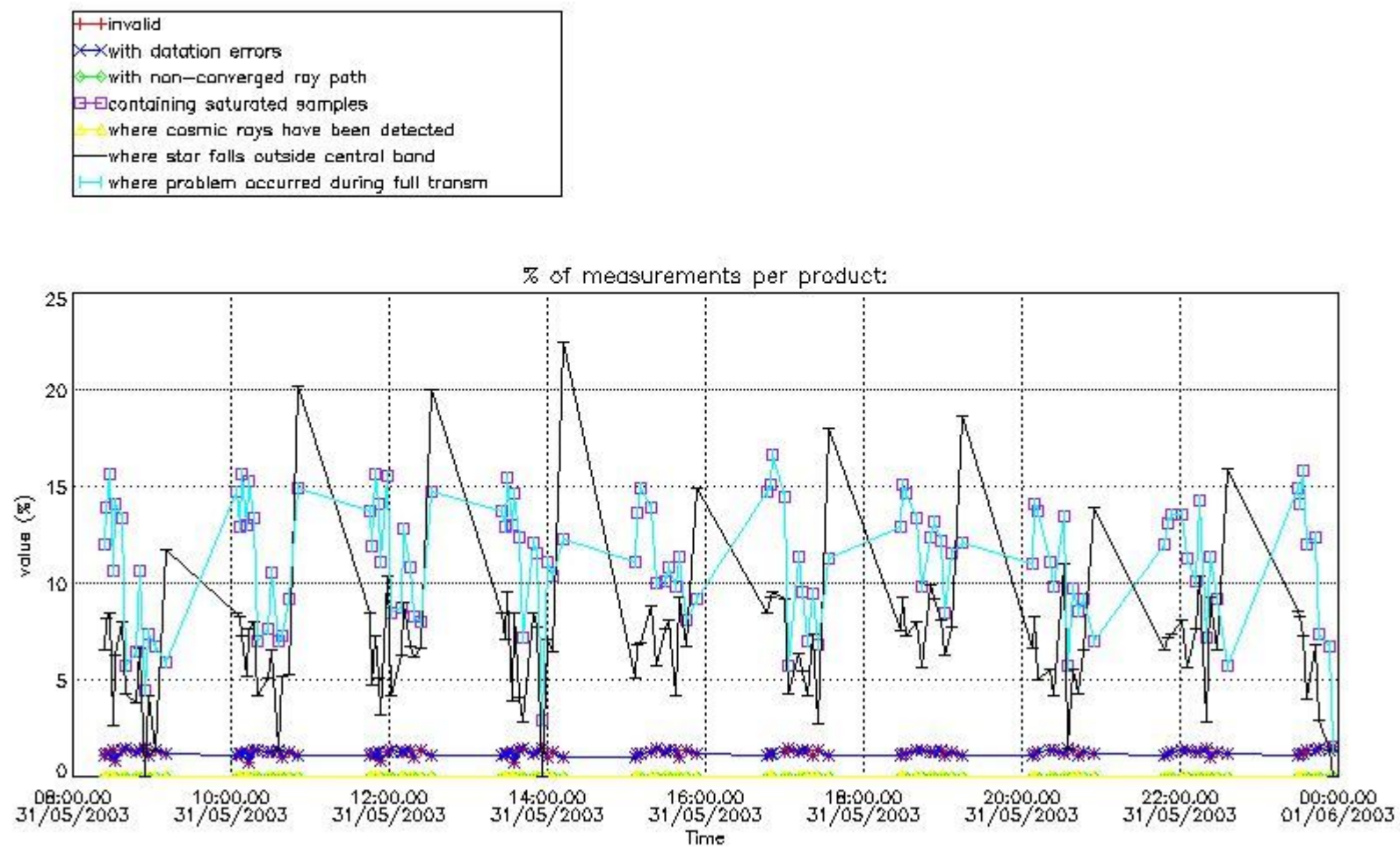
##### 4.1 Plot quality information per product (time dependant) coming from level 1b processing

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



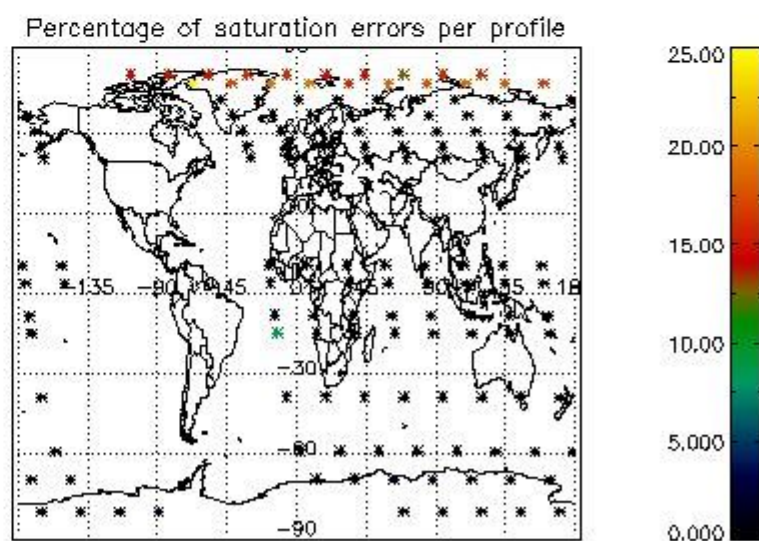
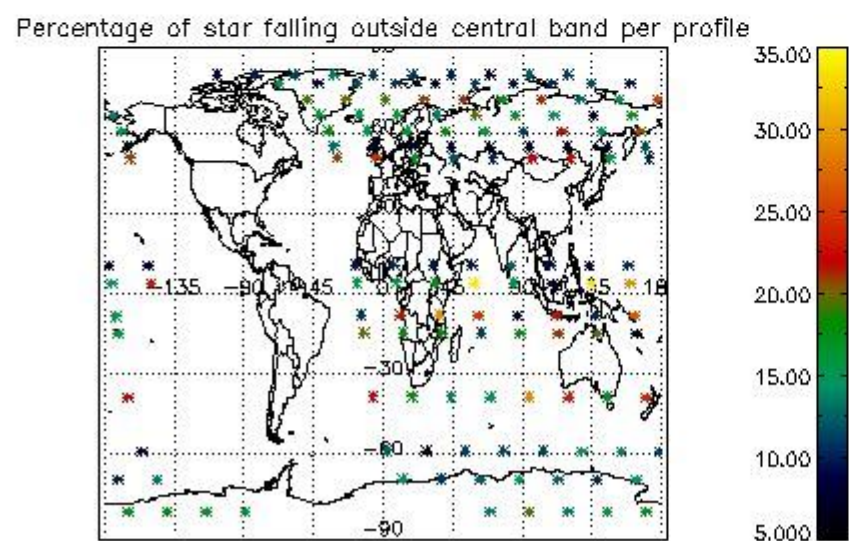
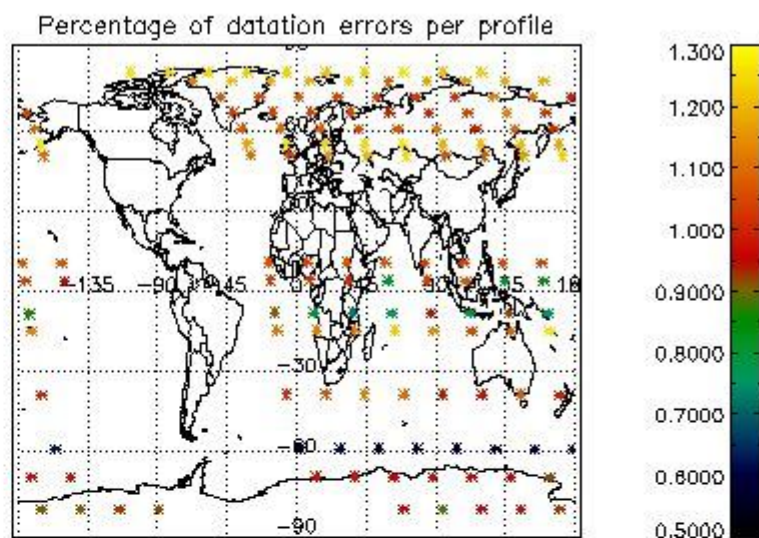
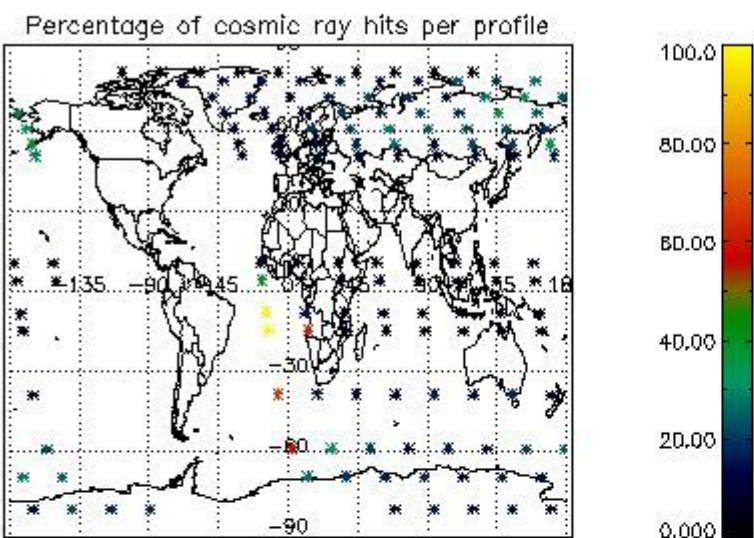


4.1.2 Plot level 1 quality information per product (time dependant): ENVISAT DESCENDING passes



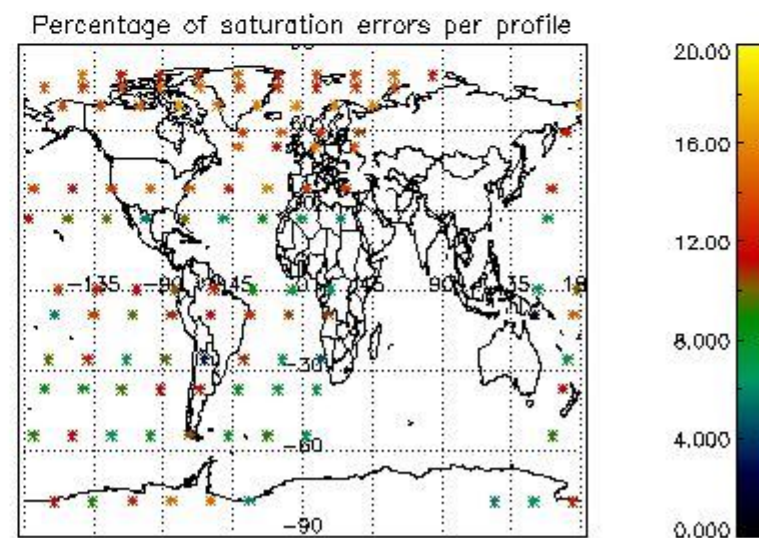
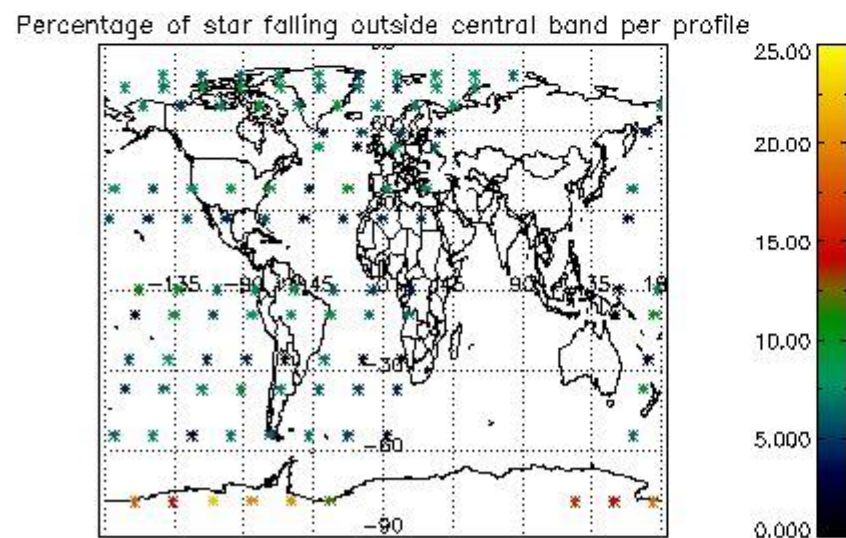
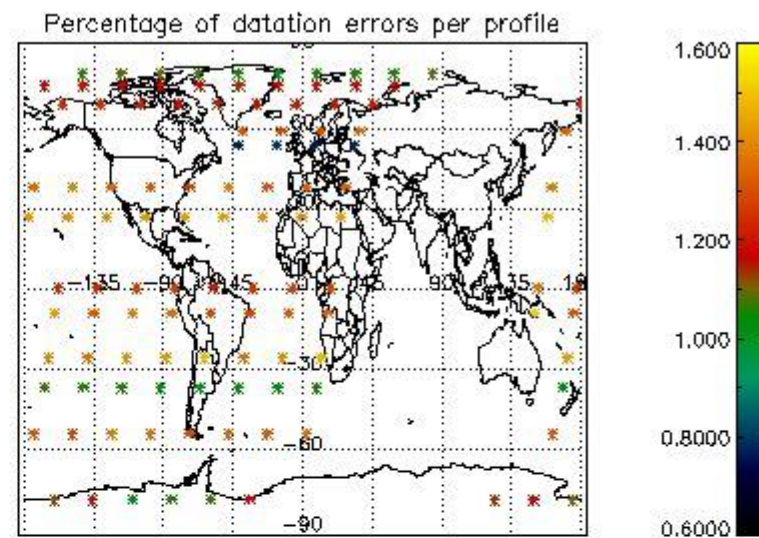
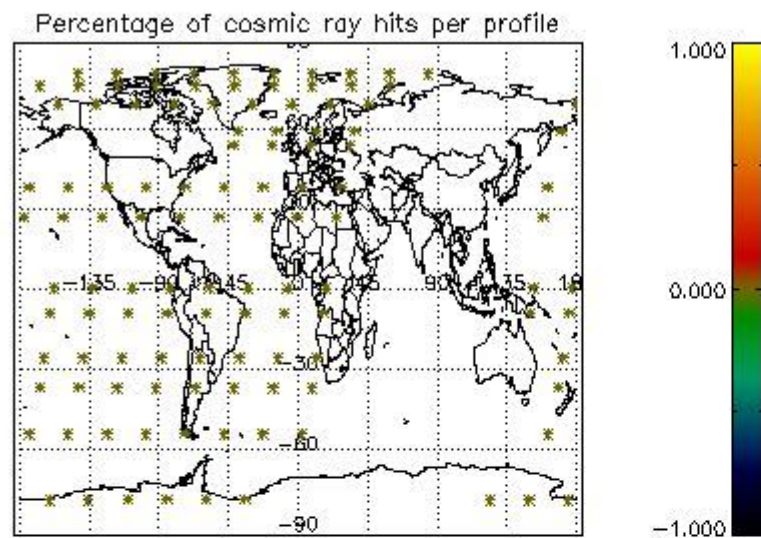
4.2 Plot quality information per product coming from level 1b processing (world map)

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



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





## 5. Trace gas profiles

### 5.1 Ozone statistics based on quality of products

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

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

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

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

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

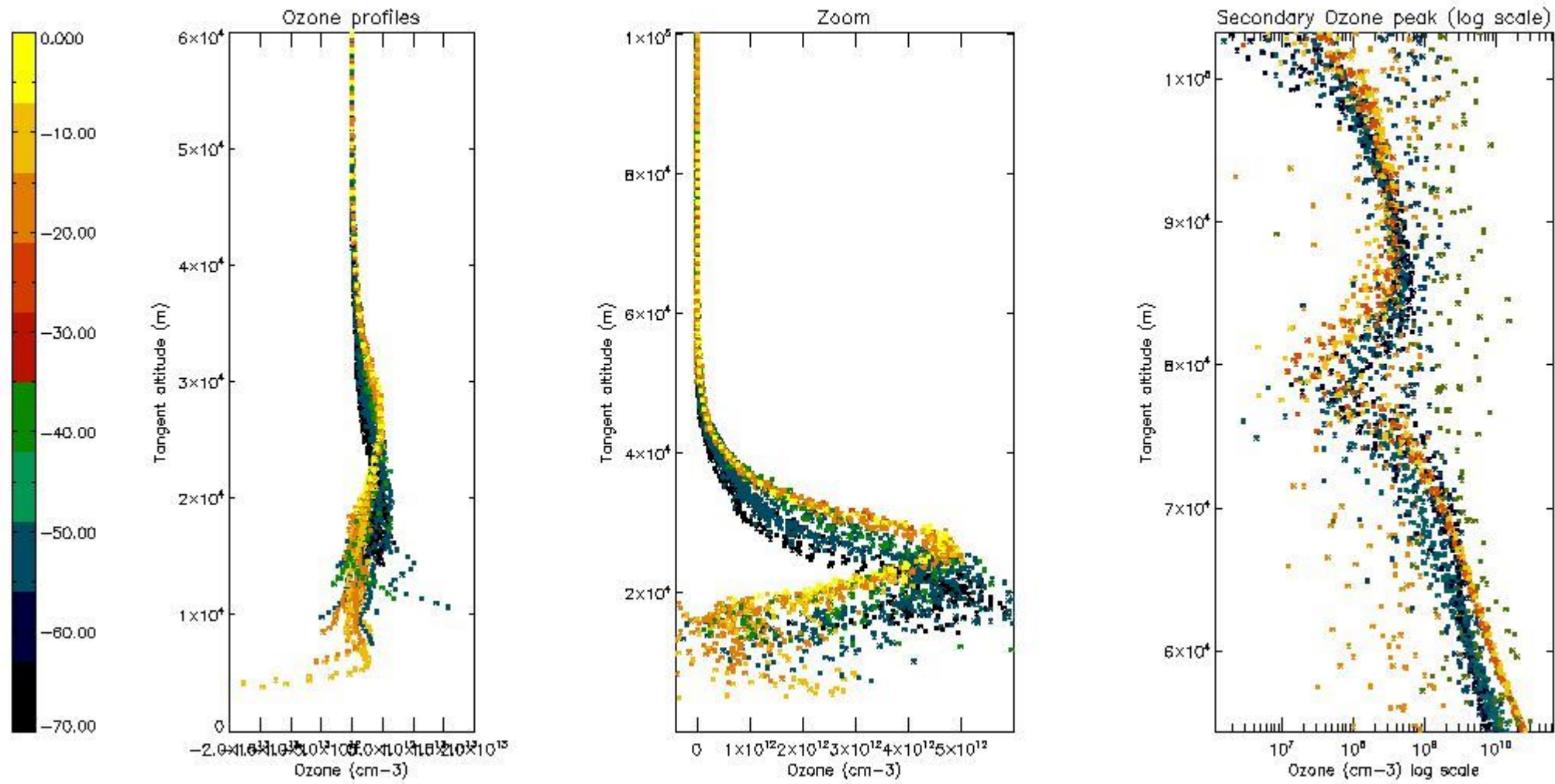
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	31
STD < 20	17

STD < 10	14
STD < 5	10

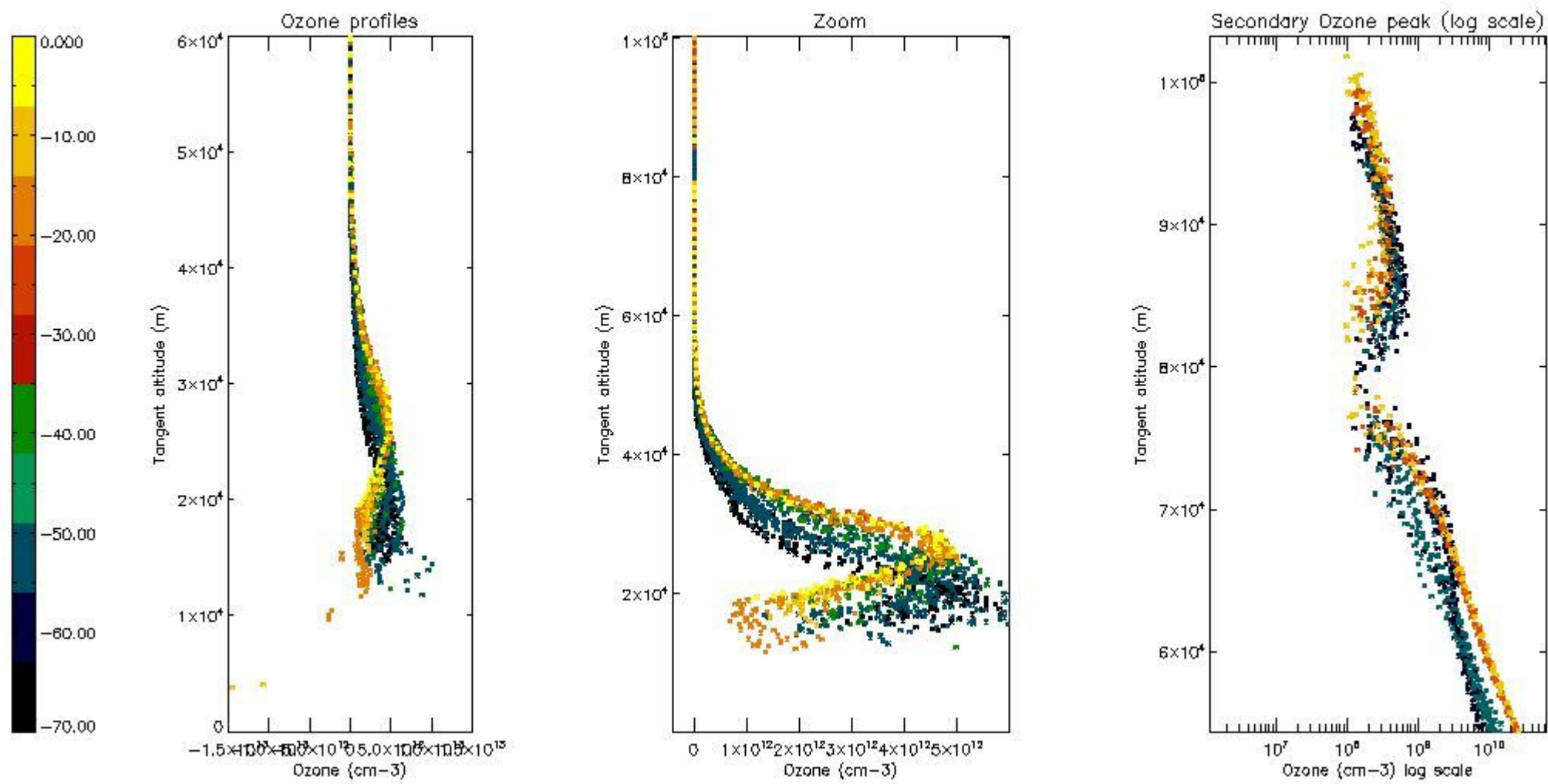
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

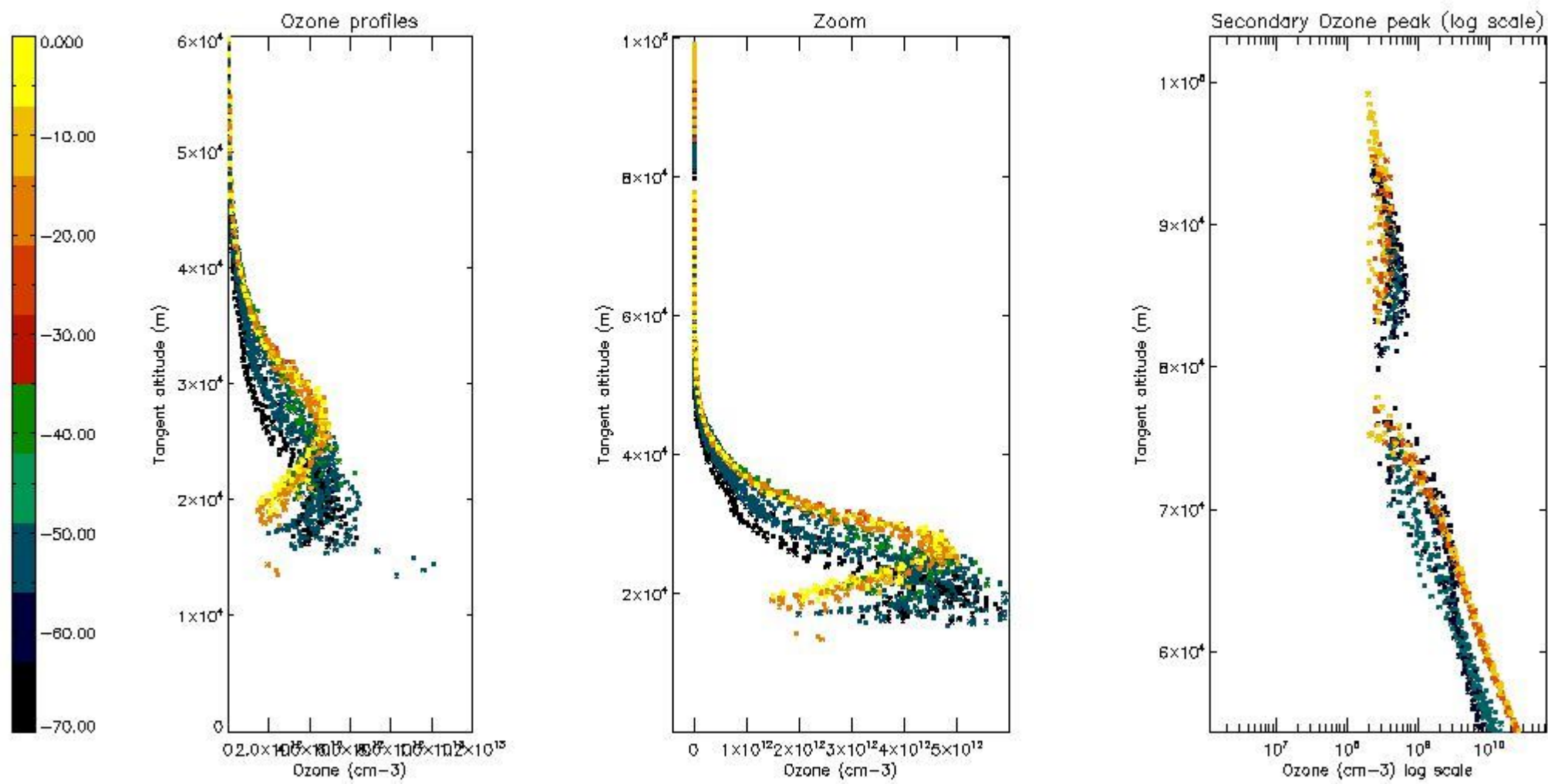
The colorbar represents the latitude.



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

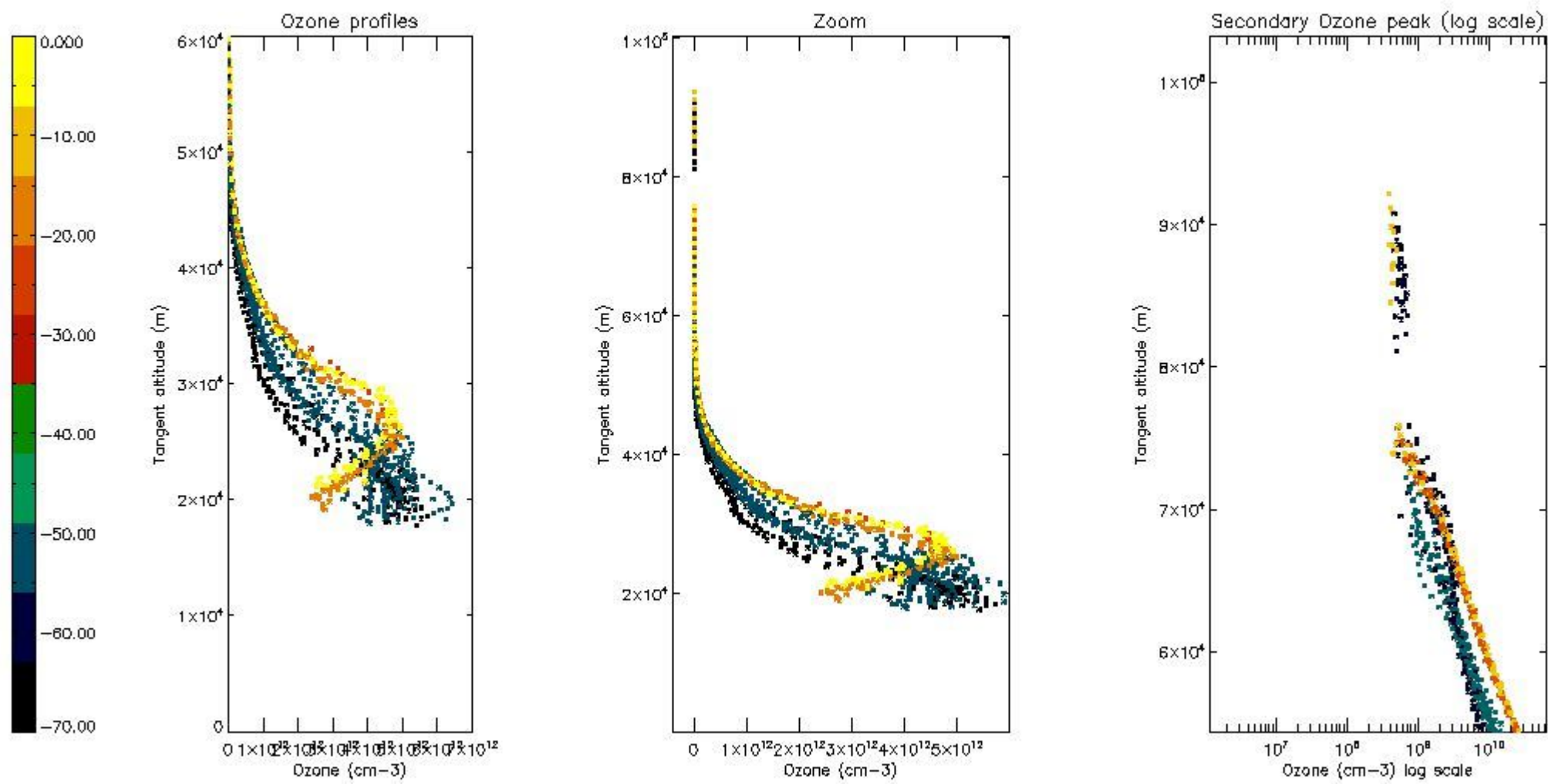
The colorbar represents the latitude.





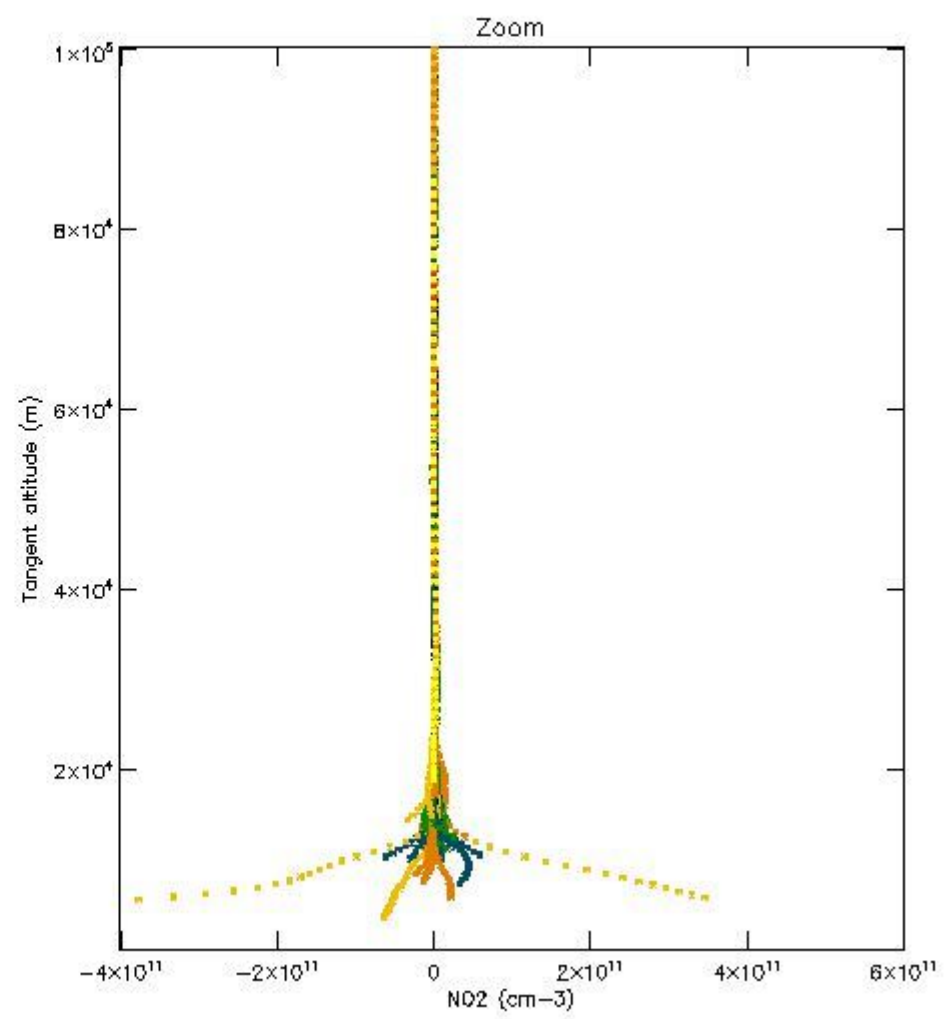
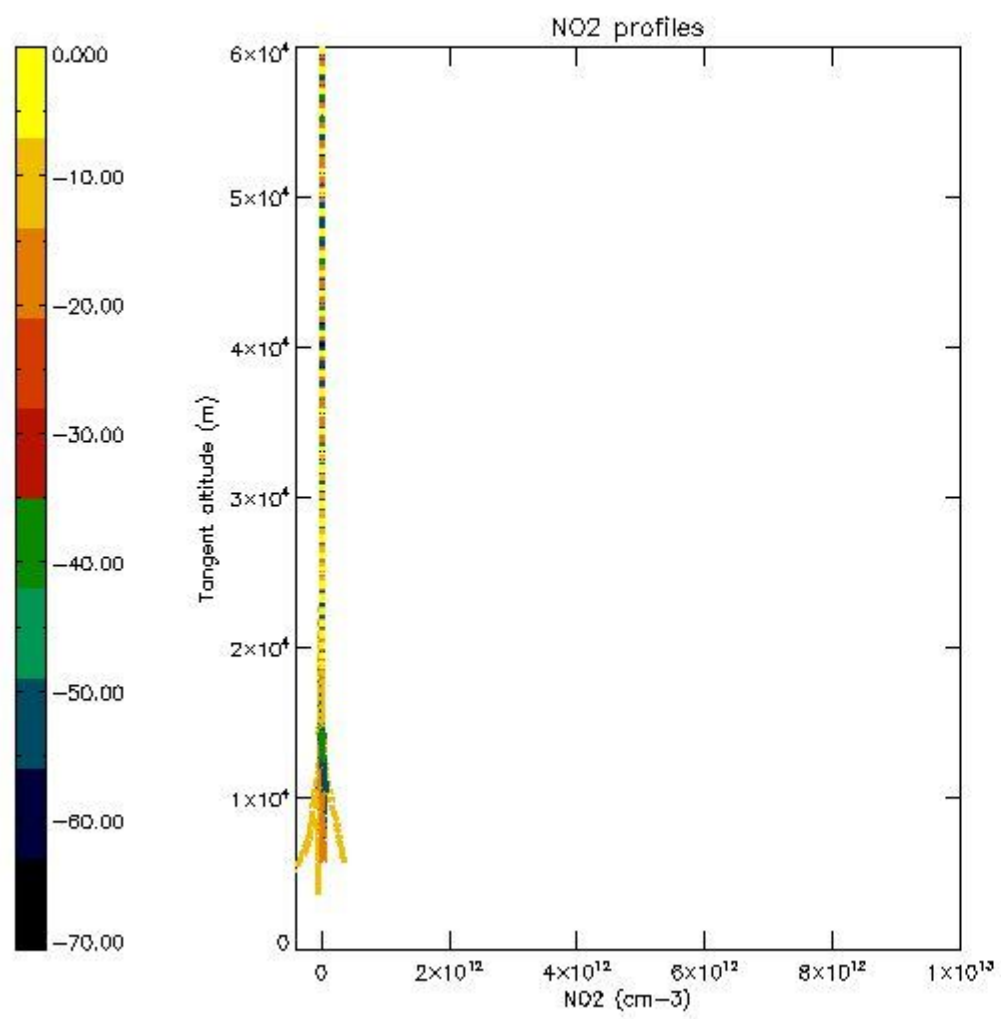
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



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

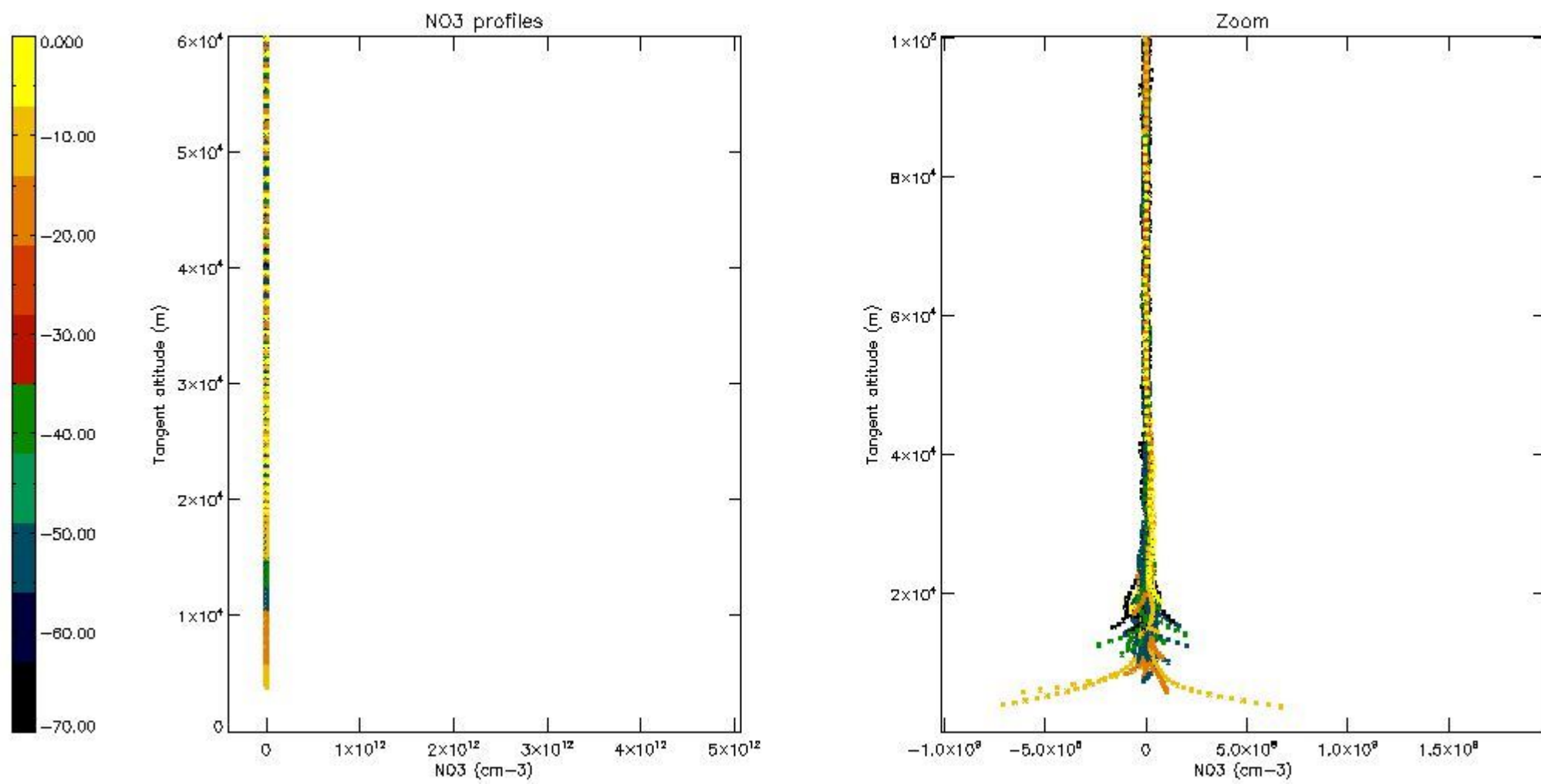
The colorbar represents the latitude.



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

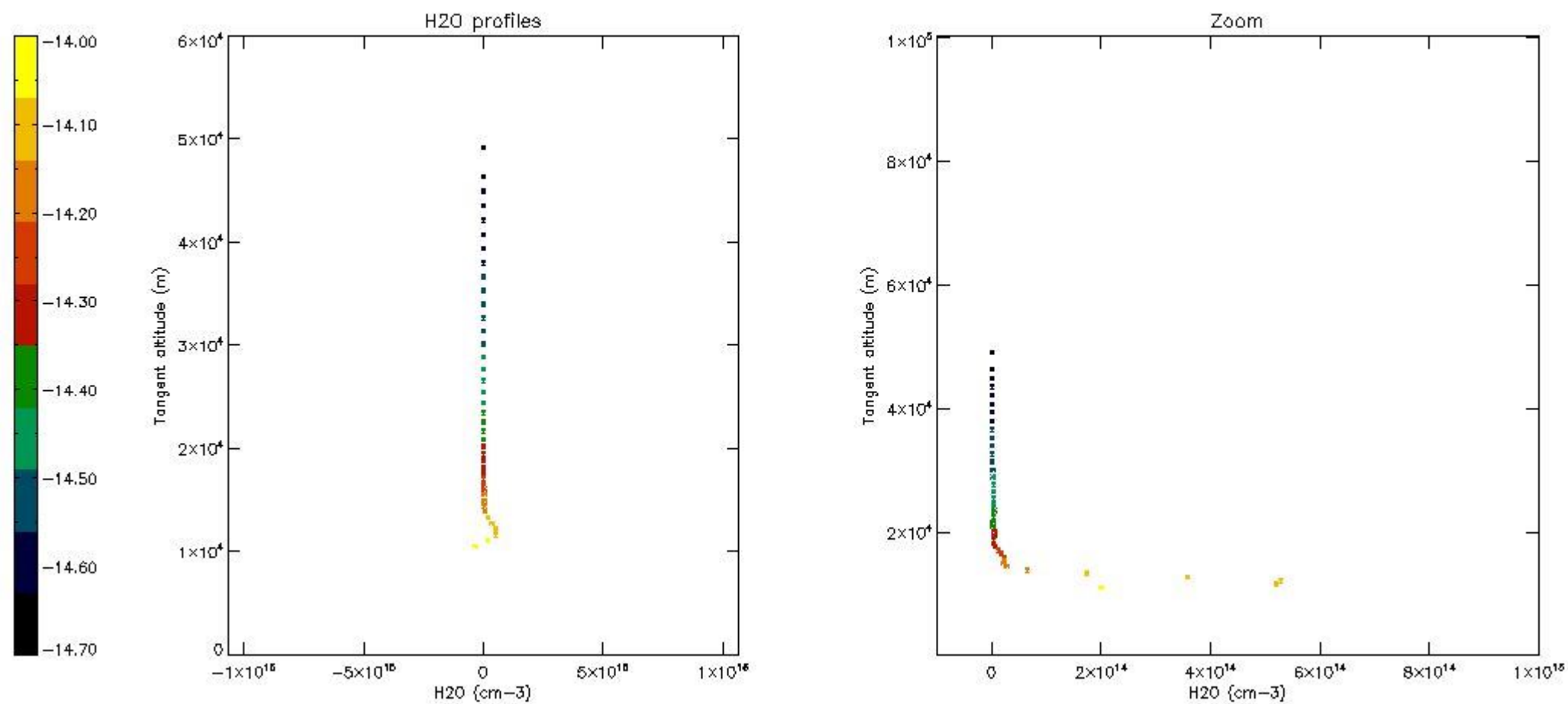
The colorbar represents the latitude.





5.8 Plot H<sub>2</sub>O profiles for all STD (only for occultations of stars 1,2,3,4,13,14,16,26,63 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_AXNIEC20050627_150440_20020301_000000_20100101_000000	1	31-MAY-2003 07:58:24
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	31-MAY-2003 07:58:24
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	31-MAY-2003 07:58:24

# 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	19APR2013 14:26:38
Data source version	GOMOS/6.01
Start time of products	31-05-2003 (31MAY2003 00:00:00)
Stop time of products	01-06-2003 (01JUN2003 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	269
Nb of prods with errors	10

## 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__2PRFIN20030531_075824_000000532016_00465_06531_6979.N1	31-MAY-2003 07:58:24	Dark	52.500	63	Bet Gru	2.1500	2800.0	105	6531	No
2	GOM_NL__2PRFIN20030531_080015_000000472016_00465_06531_6980.N1	31-MAY-2003 08:00:15	Dark	47.000	31	Alp Gru	1.7340	15200.	94	6531	No
3	GOM_NL__2PRFIN20030531_080331_000001952016_00465_06531_6981.N1	31-MAY-2003 08:03:31	Dark	195.00	1014	Mars	0.0000	0.0000	390	6531	Yes
4	GOM_NL__2PRFIN20030531_081135_000000462016_00465_06531_6982.N1	31-MAY-2003 08:11:35	Straylight	45.500	141	Bet Ara	2.8400	4600.0	91	6531	No
5	GOM_NL__2PRFIN20030531_081249_000000402016_00465_06531_6983.N1	31-MAY-2003 08:12:49	Straylight	39.500	147	Alp Ara	2.8770	26000.	79	6531	No
6	GOM_NL__2PRFIN20030531_081430_000000462016_00465_06531_6984.N1	31-MAY-2003 08:14:30	Straylight	46.000	40	The Sco	1.8590	7100.0	92	6531	No
7	GOM_NL__2PRFIN20030531_081618_000000482016_00465_06531_6985.N1	31-MAY-2003 08:16:18	Twilight_stray	47.500	25	35Lam Sco	1.6200	28000.	95	6531	No
8	GOM_NL__2PRFIN20030531_081807_000000512016_00465_06531_6986.N1	31-MAY-2003 08:18:07	Twilight_stray	50.500	75	26Eps Sco	2.2910	4250.0	101	6531	No
9	GOM_NL__2PRFIN20030531_082010_000000422016_00465_06531_6987.N1	31-MAY-2003 08:20:10	Bright	42.000	136	23Tau Sco	2.8220	30000.	84	6531	No
10	GOM_NL__2PRFIN20030531_082216_000000412016_00465_06531_6988.N1	31-MAY-2003 08:22:16	Bright	40.500	80	7Del Sco	2.3160	30000.	81	6531	No
11	GOM_NL__2PRFIN20030531_082350_000000462016_00465_06531_6989.N1	31-MAY-2003 08:23:50	Bright	46.000	86	35Eta Oph	2.4300	10200.	92	6531	No
12	GOM_NL__2PRFIN20030531_082543_000000432016_00465_06531_6990.N1	31-MAY-2003 08:25:43	Bright	43.000	98	13Zet Oph	2.5710	30000.	86	6531	No
13	GOM_NL__2PRFIN20030531_082755_000000422016_00465_06531_6991.N1	31-MAY-2003 08:27:55	Bright	41.500	120	1Del Oph	2.7340	3200.0	83	6531	No
14	GOM_NL__2PRFIN20030531_083056_000000382016_00465_06531_6992.N1	31-MAY-2003 08:30:56	Bright	37.500	102	24Alp Ser	2.6000	4250.0	75	6531	No
15	GOM_NL__2PRFIN20030531_083230_000000642016_00465_06531_6993.N1	31-MAY-2003 08:32:30	Bright	64.000	126	60Bet Oph	2.7700	4250.0	128	6531	No
16	GOM_NL__2PRFIN20030531_083652_000000382016_00465_06531_6994.N1	31-MAY-2003 08:36:52	Bright	37.500	83		2.3780	11000.	75	6531	No
17	GOM_NL__2PRFIN20030531_084003_000000352016_00465_06531_6995.N1	31-MAY-2003 08:40:03	Bright	35.000	180	27Gam Boo	3.0400	8000.0	70	6531	No
18	GOM_NL__2PRFIN20030531_084730_000000392016_00465_06531_6996.N1	31-MAY-2003 08:47:30	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	6531	No
19	GOM_NL__2PRFIN20030531_085007_000000382016_00465_06531_6997.N1	31-MAY-2003 08:50:07	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	6531	No
20	GOM_NL__2PRFIN20030531_085448_000000342016_00465_06531_6998.N1	31-MAY-2003 08:54:48	Bright	34.000	49	1Alp UMi	1.9900	6300.0	68	6531	No
21	GOM_NL__2PRFIN20030531_085759_000000482016_00465_06531_6999.N1	31-MAY-2003 08:57:59	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	6531	No
22	GOM_NL__2PRFIN20030531_090252_000000372016_00465_06531_7000.N1	31-MAY-2003 09:02:52	Bright	37.000	76	27Gam Cas	2.3000	30000.	74	6531	No
23	GOM_NL__2PRFIN20030531_091033_000000432016_00465_06531_7001.N1	31-MAY-2003 09:10:33	Bright	42.500	53	43Bet And	2.0480	3300.0	85	6531	No
24	GOM_NL__2PRFIN20030531_091313_000000552016_00465_06531_7002.N1	31-MAY-2003 09:13:13	Twilight_stray	54.500	58	21Alp And	2.0730	11000.	109	6531	No
25	GOM_NL__2PRFIN20030531_091805_000000532016_00465_06531_7003.N1	31-MAY-2003 09:18:05	Dark	53.000	140	88Gam Peg	2.8340	26000.	106	6531	No
26	GOM_NL__2PRFIN20030531_092112_000000802016_00465_06531_7004.N1	31-MAY-2003 09:21:12	Dark	80.000	90	54Alp Peg	2.4870	11000.	160	6531	No
27	GOM_NL__2PRFIN20030531_092704_000000502016_00465_06531_7005.N1	31-MAY-2003 09:27:04	Dark	50.000	52	16Bet Cet	2.0370	4500.0	100	6531	No
28	GOM_NL__2PRFIN20030531_093346_000000442016_00465_06531_7006.N1	31-MAY-2003 09:33:46	Dark	44.000	84	Alp Phe	2.3970	4500.0	88	6531	No
29	GOM_NL__2PRFIN20030531_093536_000000582016_00465_06531_7007.N1	31-MAY-2003 09:35:36	Dark	58.000	18	24Alp PsA	1.1660	9700.0	116	6531	No
30	GOM_NL__2PRFIN20030531_093901_000000482016_00466_06532_7175.N1	31-MAY-2003 09:39:01	Dark	48.000	63	Bet Gru	2.1500	2800.0	96	6532	No
31	GOM_NL__2PRFIN20030531_094052_000000472016_00466_06532_7176.N1	31-MAY-2003 09:40:52	Dark	46.500	31	Alp Gru	1.7340	15200.	93	6532	No
32	GOM_NL__2PRFIN20030531_094408_000001572016_00466_06532_7177.N1	31-MAY-2003 09:44:08	Dark	157.00	1014	Mars	0.0000	0.0000	314	6532	Yes
33	GOM_NL__2PRFIN20030531_095211_000000412016_00466_06532_7178.N1	31-MAY-2003 09:52:11	Straylight	40.500	141	Bet Ara	2.8400	4600.0	81	6532	No
34	GOM_NL__2PRFIN20030531_095325_000000432016_00466_06532_7179.N1	31-MAY-2003 09:53:25	Straylight	42.500	147	Alp Ara	2.8770	26000.	85	6532	No
35	GOM_NL__2PRFIN20030531_095506_000000492016_00466_06532_7180.N1	31-MAY-2003 09:55:06	Straylight	49.000	40	The Sco	1.8590	7100.0	98	6532	No
36	GOM_NL__2PRFIN20030531_095654_000000492016_00466_06532_7181.N1	31-MAY-2003 09:56:54	Twilight_stray	49.000	25	35Lam Sco	1.6200	28000.	98	6532	No
37	GOM_NL__2PRFIN20030531_095843_000000462016_00466_06532_7182.N1	31-MAY-2003 09:58:43	Twilight_stray	45.500	75	26Eps Sco	2.2910	4250.0	91	6532	No
38	GOM_NL__2PRFIN20030531_100046_000000432016_00466_06532_7183.N1	31-MAY-2003 10:00:46	Bright	42.500	136	23Tau Sco	2.8220	30000.	85	6532	No
39	GOM_NL__2PRFIN20030531_100252_000000412016_00466_06532_7184.N1	31-MAY-2003 10:02:52	Bright	41.000	80	7Del Sco	2.3160	30000.	82	6532	No
40	GOM_NL__2PRFIN20030531_100426_000000482016_00466_06532_7185.N1	31-MAY-2003 10:04:26	Bright	47.500	86	35Eta Oph	2.4300	10200.	95	6532	No
41	GOM_NL__2PRFIN20030531_100619_000000432016_00466_06532_7186.N1	31-MAY-2003 10:06:19	Bright	42.500	98	13Zet Oph	2.5710	30000.	85	6532	No
42	GOM_NL__2PRFIN20030531_100831_000000422016_00466_06532_7187.N1	31-MAY-2003 10:08:31	Bright	41.500	120	1Del Oph	2.7340	3200.0	83	6532	No

43	GOM_NL__2PRFIN20030531_101132_000000392016_00466_06532_7188.N1	31-MAY-2003 10:11:32	Bright	38.500	102	24Alp Ser	2.6000	4250.0	77	6532	No
44	GOM_NL__2PRFIN20030531_101305_000000662016_00466_06532_7189.N1	31-MAY-2003 10:13:05	Bright	65.500	126	60Bet Oph	2.7700	4250.0	131	6532	No
45	GOM_NL__2PRFIN20030531_101727_000000382016_00466_06532_7190.N1	31-MAY-2003 10:17:27	Bright	37.500	83		2.3780	11000.	75	6532	No
46	GOM_NL__2PRFIN20030531_102039_000000362016_00466_06532_7191.N1	31-MAY-2003 10:20:39	Bright	35.500	180	27Gam Boo	3.0400	8000.0	71	6532	No
47	GOM_NL__2PRFIN20030531_102806_000000402016_00466_06532_7192.N1	31-MAY-2003 10:28:06	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	6532	No
48	GOM_NL__2PRFIN20030531_103043_000000382016_00466_06532_7193.N1	31-MAY-2003 10:30:43	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	6532	No
49	GOM_NL__2PRFIN20030531_103524_000000362016_00466_06532_7194.N1	31-MAY-2003 10:35:24	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	6532	No
50	GOM_NL__2PRFIN20030531_103834_000000482016_00466_06532_7195.N1	31-MAY-2003 10:38:34	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	6532	No
51	GOM_NL__2PRFIN20030531_104327_000000382016_00466_06532_7196.N1	31-MAY-2003 10:43:27	Bright	38.000	76	27Gam Cas	2.3000	30000.	76	6532	No
52	GOM_NL__2PRFIN20030531_105109_000000472016_00466_06532_7197.N1	31-MAY-2003 10:51:09	Bright	47.000	53	43Bet And	2.0480	3300.0	94	6532	No
53	GOM_NL__2PRFIN20030531_105350_000000542016_00466_06532_7198.N1	31-MAY-2003 10:53:50	Twilight	54.000	58	21Alp And	2.0730	11000.	108	6532	No
54	GOM_NL__2PRFIN20030531_105842_000000522016_00466_06532_7199.N1	31-MAY-2003 10:58:42	Dark	51.500	140	88Gam Peg	2.8340	26000.	103	6532	No
55	GOM_NL__2PRFIN20030531_110149_000000842016_00466_06532_7200.N1	31-MAY-2003 11:01:49	Dark	83.500	90	54Alp Peg	2.4870	11000.	167	6532	No
56	GOM_NL__2PRFIN20030531_110740_000000512016_00466_06532_7201.N1	31-MAY-2003 11:07:40	Dark	50.500	52	16Bet Cet	2.0370	4500.0	101	6532	No
57	GOM_NL__2PRFIN20030531_111423_000000402016_00466_06532_7202.N1	31-MAY-2003 11:14:23	Dark	39.500	84	Alp Phe	2.3970	4500.0	79	6532	No
58	GOM_NL__2PRFIN20030531_111613_000000672016_00466_06532_7203.N1	31-MAY-2003 11:16:13	Dark	66.500	18	24Alp PsA	1.1660	9700.0	133	6532	No
59	GOM_NL__2PRFIN20030531_111937_000000592016_00467_06533_7176.N1	31-MAY-2003 11:19:37	Dark	58.500	63	Bet Gru	2.1500	2800.0	117	6533	No
60	GOM_NL__2PRFIN20030531_112129_000000482016_00467_06533_7177.N1	31-MAY-2003 11:21:29	Dark	48.000	31	Alp Gru	1.7340	15200.	96	6533	No
61	GOM_NL__2PRFIN20030531_112446_000001782016_00467_06533_7178.N1	31-MAY-2003 11:24:46	Dark	177.50	1014	Mars	0.0000	0.0000	355	6533	Yes
62	GOM_NL__2PRFIN20030531_113247_000000432016_00467_06533_7179.N1	31-MAY-2003 11:32:47	Straylight	43.000	141	Bet Ara	2.8400	4600.0	86	6533	No
63	GOM_NL__2PRFIN20030531_113401_000000422016_00467_06533_7180.N1	31-MAY-2003 11:34:01	Straylight	41.500	147	Alp Ara	2.8770	26000.	83	6533	No
64	GOM_NL__2PRFIN20030531_113542_000000462016_00467_06533_7181.N1	31-MAY-2003 11:35:42	Straylight	46.000	40	The Sco	1.8590	7100.0	92	6533	No
65	GOM_NL__2PRFIN20030531_113730_000000452016_00467_06533_7182.N1	31-MAY-2003 11:37:30	Twilight	44.500	25	35Lam Sco	1.6200	28000.	89	6533	No
66	GOM_NL__2PRFIN20030531_113918_000000452016_00467_06533_7183.N1	31-MAY-2003 11:39:18	Twilight	44.500	75	26Eps Sco	2.2910	4250.0	89	6533	No
67	GOM_NL__2PRFIN20030531_114121_000000432016_00467_06533_7184.N1	31-MAY-2003 11:41:21	Bright	43.000	136	23Tau Sco	2.8220	30000.	86	6533	No
68	GOM_NL__2PRFIN20030531_114328_000000402016_00467_06533_7185.N1	31-MAY-2003 11:43:28	Bright	39.500	80	7Del Sco	2.3160	30000.	79	6533	No
69	GOM_NL__2PRFIN20030531_114502_000000482016_00467_06533_7186.N1	31-MAY-2003 11:45:02	Bright	47.500	86	35Eta Oph	2.4300	10200.	95	6533	No
70	GOM_NL__2PRFIN20030531_114654_000000422016_00467_06533_7187.N1	31-MAY-2003 11:46:54	Bright	42.000	98	13Zet Oph	2.5710	30000.	84	6533	No
71	GOM_NL__2PRFIN20030531_114907_000000422016_00467_06533_7188.N1	31-MAY-2003 11:49:07	Bright	41.500	120	1Del Oph	2.7340	3200.0	83	6533	No
72	GOM_NL__2PRFIN20030531_115207_000000392016_00467_06533_7189.N1	31-MAY-2003 11:52:07	Bright	39.000	102	24Alp Ser	2.6000	4250.0	78	6533	No
73	GOM_NL__2PRFIN20030531_115339_000000632016_00467_06533_7190.N1	31-MAY-2003 11:53:39	Bright	63.000	126	60Bet Oph	2.7700	4250.0	126	6533	No
74	GOM_NL__2PRFIN20030531_115803_000000392016_00467_06533_7191.N1	31-MAY-2003 11:58:03	Bright	38.500	83		2.3780	11000.	77	6533	No
75	GOM_NL__2PRFIN20030531_120114_000000362016_00467_06533_7192.N1	31-MAY-2003 12:01:14	Bright	35.500	180	27Gam Boo	3.0400	8000.0	71	6533	No
76	GOM_NL__2PRFIN20030531_120841_000000402016_00467_06533_7193.N1	31-MAY-2003 12:08:41	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	6533	No
77	GOM_NL__2PRFIN20030531_121119_000000392016_00467_06533_7194.N1	31-MAY-2003 12:11:19	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	6533	No
78	GOM_NL__2PRFIN20030531_121559_000000372016_00467_06533_7195.N1	31-MAY-2003 12:15:59	Bright	37.000	49	1Alp UMi	1.9900	6300.0	74	6533	No
79	GOM_NL__2PRFIN20030531_121909_000000492016_00467_06533_7196.N1	31-MAY-2003 12:19:09	Bright	48.500	89	5Alp Cep	2.4510	8000.0	97	6533	No
80	GOM_NL__2PRFIN20030531_122403_000000382016_00467_06533_7197.N1	31-MAY-2003 12:24:03	Bright	37.500	76	27Gam Cas	2.3000	30000.	75	6533	No
81	GOM_NL__2PRFIN20030531_123145_000000482016_00467_06533_7198.N1	31-MAY-2003 12:31:45	Bright	47.500	53	43Bet And	2.0480	3300.0	95	6533	No
82	GOM_NL__2PRFIN20030531_123426_000000552016_00467_06533_7199.N1	31-MAY-2003 12:34:26	Twilight	55.000	58	21Alp And	2.0730	11000.	110	6533	No
83	GOM_NL__2PRFIN20030531_123918_000000552016_00467_06533_7200.N1	31-MAY-2003 12:39:18	Dark	54.500	140	88Gam Peg	2.8340	26000.	109	6533	No
84	GOM_NL__2PRFIN20030531_124226_000000852016_00467_06533_7201.N1	31-MAY-2003 12:42:26	Dark	85.000	90	54Alp Peg	2.4870	11000.	170	6533	No
85	GOM_NL__2PRFIN20030531_124816_000000472016_00467_06533_7202.N1	31-MAY-2003 12:48:16	Dark	46.500	52	16Bet Cet	2.0370	4500.0	93	6533	No
86	GOM_NL__2PRFIN20030531_125459_000000462016_00467_06533_7203.N1	31-MAY-2003 12:54:59	Dark	46.000	84	Alp Phe	2.3970	4500.0	92	6533	No
87	GOM_NL__2PRFIN20030531_125650_000000552016_00467_06533_7204.N1	31-MAY-2003 12:56:50	Dark	54.500	18	24Alp PsA	1.1660	9700.0	109	6533	No
88	GOM_NL__2PRFIN20030531_130014_000000622016_00468_06534_7177.N1	31-MAY-2003 13:00:14	Dark	62.000	63	Bet Gru	2.1500	2800.0	124	6534	No
89	GOM_NL__2PRFIN20030531_130205_000000482016_00468_06534_7178.N1	31-MAY-2003 13:02:05	Dark	47.500	31	Alp Gru	1.7340	15200.	95	6534	No
90	GOM_NL__2PRFIN20030531_130524_000001512016_00468_06534_7179.N1	31-MAY-2003 13:05:24	Dark	151.00	1014	Mars	0.0000	0.0000	302	6534	Yes
91	GOM_NL__2PRFIN20030531_131323_000000472016_00468_06534_7180.N1	31-MAY-2003 13:13:23	Straylight	47.000	141	Bet Ara	2.8400	4600.0	94	6534	No
92	GOM_NL__2PRFIN20030531_131437_000000412016_00468_06534_7181.N1	31-MAY-2003 13:14:37	Straylight	41.000	147	Alp Ara	2.8770	26000.	82	6534	No
93	GOM_NL__2PRFIN20030531_131619_000000512016_00468_06534_7182.N1	31-MAY-2003 13:16:19	Straylight	51.000	40	The Sco	1.8590	7100.0	102	6534	No
94	GOM_NL__2PRFIN20030531_131807_000000482016_00468_06534_7183.N1	31-MAY-2003 13:18:07	Twilight	48.000	25	35Lam Sco	1.6200	28000.	96	6534	No
95	GOM_NL__2PRFIN20030531_131954_000000492016_00468_06534_7184.N1	31-MAY-2003 13:19:54	Twilight	49.000	75	26Eps Sco	2.2910	4250.0	98	6534	No
96	GOM_NL__2PRFIN20030531_132157_000000432016_00468_06534_7185.N1	31-MAY-2003 13:21:57	Bright	42.500	136	23Tau Sco	2.8220	30000.	85	6534	No
97	GOM_NL__2PRFIN20030531_132404_000000412016_00468_06534_7186.N1	31-MAY-2003 13:24:04	Bright	40.500	80	7Del Sco	2.3160	30000.	81	6534	No
98	GOM_NL__2PRFIN20030531_132537_000000482016_00468_06534_7187.N1	31-MAY-2003 13:25:37	Bright	47.500	86	35Eta Oph	2.4300	10200.	95	6534	No
99	GOM_NL__2PRFIN20030531_132730_000000432016_00468_06534_7188.N1	31-MAY-2003 13:27:30	Bright	42.500	98	13Zet Oph	2.5710	30000.	85	6534	No
100	GOM_NL__2PRFIN20030531_132942_000000422016_00468_06534_7189.N1	31-MAY-2003 13:29:42	Bright	42.000	120	1Del Oph	2.7340	3200.0	84	6534	No
101	GOM_NL__2PRFIN20030531_133243_000000392016_00468_06534_7190.N1	31-MAY-2003 13:32:43	Bright	38.500	102	24Alp Ser	2.6000	4250.0	77	6534	No

102	GOM_NL__2PRFIN20030531_133415_000000652016_00468_06534_7191.N1	31-MAY-2003 13:34:15	Bright	65.000	126	60Bet Oph	2.7700	4250.0	130	6534	No
103	GOM_NL__2PRFIN20030531_133839_000000372016_00468_06534_7192.N1	31-MAY-2003 13:38:39	Bright	36.500	83		2.3780	11000.	73	6534	No
104	GOM_NL__2PRFIN20030531_134150_000000352016_00468_06534_7193.N1	31-MAY-2003 13:41:50	Bright	35.000	180	27Gam Boo	3.0400	8000.0	70	6534	No
105	GOM_NL__2PRFIN20030531_134916_000000422016_00468_06534_7194.N1	31-MAY-2003 13:49:16	Bright	41.500	119	14Eta Dra	2.7270	4700.0	83	6534	No
106	GOM_NL__2PRFIN20030531_135154_000000392016_00468_06534_7195.N1	31-MAY-2003 13:51:54	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	6534	No
107	GOM_NL__2PRFIN20030531_135635_000000342016_00468_06534_7196.N1	31-MAY-2003 13:56:35	Bright	34.000	49	1Alp UMi	1.9900	6300.0	68	6534	No
108	GOM_NL__2PRFIN20030531_135944_000000502016_00468_06534_7197.N1	31-MAY-2003 13:59:44	Bright	49.500	89	5Alp Cep	2.4510	8000.0	99	6534	No
109	GOM_NL__2PRFIN20030531_140439_000000392016_00468_06534_7198.N1	31-MAY-2003 14:04:39	Bright	38.500	76	27Gam Cas	2.3000	30000.	77	6534	No
110	GOM_NL__2PRFIN20030531_141221_000000492016_00468_06534_7199.N1	31-MAY-2003 14:12:21	Bright	49.000	53	43Bet And	2.0480	3300.0	98	6534	No
111	GOM_NL__2PRFIN20030531_141502_000000552016_00468_06534_7200.N1	31-MAY-2003 14:15:02	Twi_and_stray	55.000	58	21Alp And	2.0730	11000.	110	6534	No
112	GOM_NL__2PRFIN20030531_141954_000000532016_00468_06534_7201.N1	31-MAY-2003 14:19:54	Dark	52.500	140	88Gam Peg	2.8340	26000.	105	6534	No
113	GOM_NL__2PRFIN20030531_142303_000000882016_00468_06534_7202.N1	31-MAY-2003 14:23:03	Dark	88.000	90	54Alp Peg	2.4870	11000.	176	6534	No
114	GOM_NL__2PRFIN20030531_142852_000000522016_00468_06534_7203.N1	31-MAY-2003 14:28:52	Dark	51.500	52	16Bet Cet	2.0370	4500.0	103	6534	No
115	GOM_NL__2PRFIN20030531_143535_000000482016_00468_06534_7204.N1	31-MAY-2003 14:35:35	Dark	47.500	84	Alp Phe	2.3970	4500.0	95	6534	No
116	GOM_NL__2PRFIN20030531_143727_000000642016_00468_06534_7205.N1	31-MAY-2003 14:37:27	Dark	64.000	18	24Alp PsA	1.1660	9700.0	128	6534	No
117	GOM_NL__2PRFIN20030531_144050_000000472016_00469_06535_7178.N1	31-MAY-2003 14:40:50	Dark	46.500	63	Bet Gru	2.1500	2800.0	93	6535	No
118	GOM_NL__2PRFIN20030531_144242_000000482016_00469_06535_7179.N1	31-MAY-2003 14:42:42	Dark	48.000	31	Alp Gru	1.7340	15200.	96	6535	No
119	GOM_NL__2PRFIN20030531_144602_000001612016_00469_06535_7180.N1	31-MAY-2003 14:46:02	Dark	160.50	1014	Mars	0.0000	0.0000	321	6535	Yes
120	GOM_NL__2PRFIN20030531_145359_000000472016_00469_06535_7181.N1	31-MAY-2003 14:53:59	Straylight	47.000	141	Bet Ara	2.8400	4600.0	94	6535	No
121	GOM_NL__2PRFIN20030531_145513_000000422016_00469_06535_7182.N1	31-MAY-2003 14:55:13	Straylight	42.000	147	Alp Ara	2.8770	26000.	84	6535	No
122	GOM_NL__2PRFIN20030531_145654_000000452016_00469_06535_7183.N1	31-MAY-2003 14:56:54	Straylight	45.000	40	The Sco	1.8590	7100.0	90	6535	No
123	GOM_NL__2PRFIN20030531_145843_000000502016_00469_06535_7184.N1	31-MAY-2003 14:58:43	Twi_and_stray	50.000	25	35Lam Sco	1.6200	28000.	100	6535	No
124	GOM_NL__2PRFIN20030531_150030_000000492016_00469_06535_7185.N1	31-MAY-2003 15:00:30	Twi_and_stray	48.500	75	26Eps Sco	2.2910	4250.0	97	6535	No
125	GOM_NL__2PRFIN20030531_150231_000000472016_00469_06535_7186.N1	31-MAY-2003 15:02:31	Bright	46.500	136	23Tau Sco	2.8220	30000.	93	6535	No
126	GOM_NL__2PRFIN20030531_150440_000000412016_00469_06535_7187.N1	31-MAY-2003 15:04:40	Bright	41.000	80	7Del Sco	2.3160	30000.	82	6535	No
127	GOM_NL__2PRFIN20030531_150610_000000502016_00469_06535_7188.N1	31-MAY-2003 15:06:10	Bright	49.500	86	35Eta Oph	2.4300	10200.	99	6535	No
128	GOM_NL__2PRFIN20030531_150805_000000442016_00469_06535_7189.N1	31-MAY-2003 15:08:05	Bright	44.000	98	13Zet Oph	2.5710	30000.	88	6535	No
129	GOM_NL__2PRFIN20030531_151017_000000442016_00469_06535_7190.N1	31-MAY-2003 15:10:17	Bright	43.500	120	1Del Oph	2.7340	3200.0	87	6535	No
130	GOM_NL__2PRFIN20030531_151913_000000402016_00469_06535_7191.N1	31-MAY-2003 15:19:13	Bright	39.500	83		2.3780	11000.	79	6535	No
131	GOM_NL__2PRFIN20030531_152227_000000352016_00469_06535_7192.N1	31-MAY-2003 15:22:27	Bright	35.000	180	27Gam Boo	3.0400	8000.0	70	6535	No
132	GOM_NL__2PRFIN20030531_152953_000000402016_00469_06535_7193.N1	31-MAY-2003 15:29:53	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	6535	No
133	GOM_NL__2PRFIN20030531_153231_000000372016_00469_06535_7194.N1	31-MAY-2003 15:32:31	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	6535	No
134	GOM_NL__2PRFIN20030531_153712_000000362016_00469_06535_7195.N1	31-MAY-2003 15:37:12	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	6535	No
135	GOM_NL__2PRFIN20030531_154021_000000492016_00469_06535_7196.N1	31-MAY-2003 15:40:21	Bright	48.500	89	5Alp Cep	2.4510	8000.0	97	6535	No
136	GOM_NL__2PRFIN20030531_154515_000000372016_00469_06535_7197.N1	31-MAY-2003 15:45:15	Bright	37.000	76	27Gam Cas	2.3000	30000.	74	6535	No
137	GOM_NL__2PRFIN20030531_155258_000000442016_00469_06535_7198.N1	31-MAY-2003 15:52:58	Bright	43.500	53	43Bet And	2.0480	3300.0	87	6535	No
138	GOM_NL__2PRFIN20030531_155539_000000542016_00469_06535_7199.N1	31-MAY-2003 15:55:39	Twi_and_stray	54.000	58	21Alp And	2.0730	11000.	108	6535	No
139	GOM_NL__2PRFIN20030531_160032_000000522016_00469_06535_7200.N1	31-MAY-2003 16:00:32	Dark	52.000	140	88Gam Peg	2.8340	26000.	104	6535	No
140	GOM_NL__2PRFIN20030531_160341_000000842016_00469_06535_7201.N1	31-MAY-2003 16:03:41	Dark	84.000	90	54Alp Peg	2.4870	11000.	168	6535	No
141	GOM_NL__2PRFIN20030531_160930_000000542016_00469_06535_7202.N1	31-MAY-2003 16:09:30	Dark	53.500	52	16Bet Cet	2.0370	4500.0	107	6535	No
142	GOM_NL__2PRFIN20030531_161613_000000442016_00469_06535_7203.N1	31-MAY-2003 16:16:13	Dark	44.000	84	Alp Phe	2.3970	4500.0	88	6535	No
143	GOM_NL__2PRFIN20030531_161805_000000532016_00469_06535_7204.N1	31-MAY-2003 16:18:05	Dark	53.000	18	24Alp PsA	1.1660	9700.0	106	6535	No
144	GOM_NL__2PRFIN20030531_162129_000000482016_00470_06536_7199.N1	31-MAY-2003 16:21:29	Dark	48.000	63	Bet Gru	2.1500	2800.0	96	6536	No
145	GOM_NL__2PRFIN20030531_162320_000000482016_00470_06536_7200.N1	31-MAY-2003 16:23:20	Dark	48.000	31	Alp Gru	1.7340	15200.	96	6536	No
146	GOM_NL__2PRFIN20030531_162639_000001712016_00470_06536_7201.N1	31-MAY-2003 16:26:39	Dark	171.00	1014	Mars	0.0000	0.0000	342	6536	Yes
147	GOM_NL__2PRFIN20030531_163436_000000402016_00470_06536_7202.N1	31-MAY-2003 16:34:36	Straylight	40.000	141	Bet Ara	2.8400	4600.0	80	6536	No
148	GOM_NL__2PRFIN20030531_163551_000000402016_00470_06536_7203.N1	31-MAY-2003 16:35:51	Straylight	39.500	147	Alp Ara	2.8770	26000.	79	6536	No
149	GOM_NL__2PRFIN20030531_163732_000000472016_00470_06536_7204.N1	31-MAY-2003 16:37:32	Straylight	47.000	40	The Sco	1.8590	7100.0	94	6536	No
150	GOM_NL__2PRFIN20030531_163920_000000512016_00470_06536_7205.N1	31-MAY-2003 16:39:20	Twi_and_stray	50.500	25	35Lam Sco	1.6200	28000.	101	6536	No
151	GOM_NL__2PRFIN20030531_164108_000000482016_00470_06536_7206.N1	31-MAY-2003 16:41:08	Twi_and_stray	47.500	75	26Eps Sco	2.2910	4250.0	95	6536	No
152	GOM_NL__2PRFIN20030531_164311_000000412016_00470_06536_7207.N1	31-MAY-2003 16:43:11	Bright	40.500	136	23Tau Sco	2.8220	30000.	81	6536	No
153	GOM_NL__2PRFIN20030531_164517_000000412016_00470_06536_7208.N1	31-MAY-2003 16:45:17	Bright	40.500	80	7Del Sco	2.3160	30000.	81	6536	No
154	GOM_NL__2PRFIN20030531_164650_000000482016_00470_06536_7209.N1	31-MAY-2003 16:46:50	Bright	47.500	86	35Eta Oph	2.4300	10200.	95	6536	No
155	GOM_NL__2PRFIN20030531_164843_000000432016_00470_06536_7210.N1	31-MAY-2003 16:48:43	Bright	43.000	98	13Zet Oph	2.5710	30000.	86	6536	No
156	GOM_NL__2PRFIN20030531_165055_000000422016_00470_06536_7211.N1	31-MAY-2003 16:50:55	Bright	42.000	120	1Del Oph	2.7340	3200.0	84	6536	No
157	GOM_NL__2PRFIN20030531_165952_000000382016_00470_06536_7212.N1	31-MAY-2003 16:59:52	Bright	38.000	83		2.3780	11000.	76	6536	No
158	GOM_NL__2PRFIN20030531_170303_000000352016_00470_06536_7213.N1	31-MAY-2003 17:03:03	Bright	35.000	180	27Gam Boo	3.0400	8000.0	70	6536	No
159	GOM_NL__2PRFIN20030531_171029_000000402016_00470_06536_7214.N1	31-MAY-2003 17:10:29	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	6536	No
160	GOM_NL__2PRFIN20030531_171307_000000372016_00470_06536_7215.N1	31-MAY-2003 17:13:07	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	6536	No



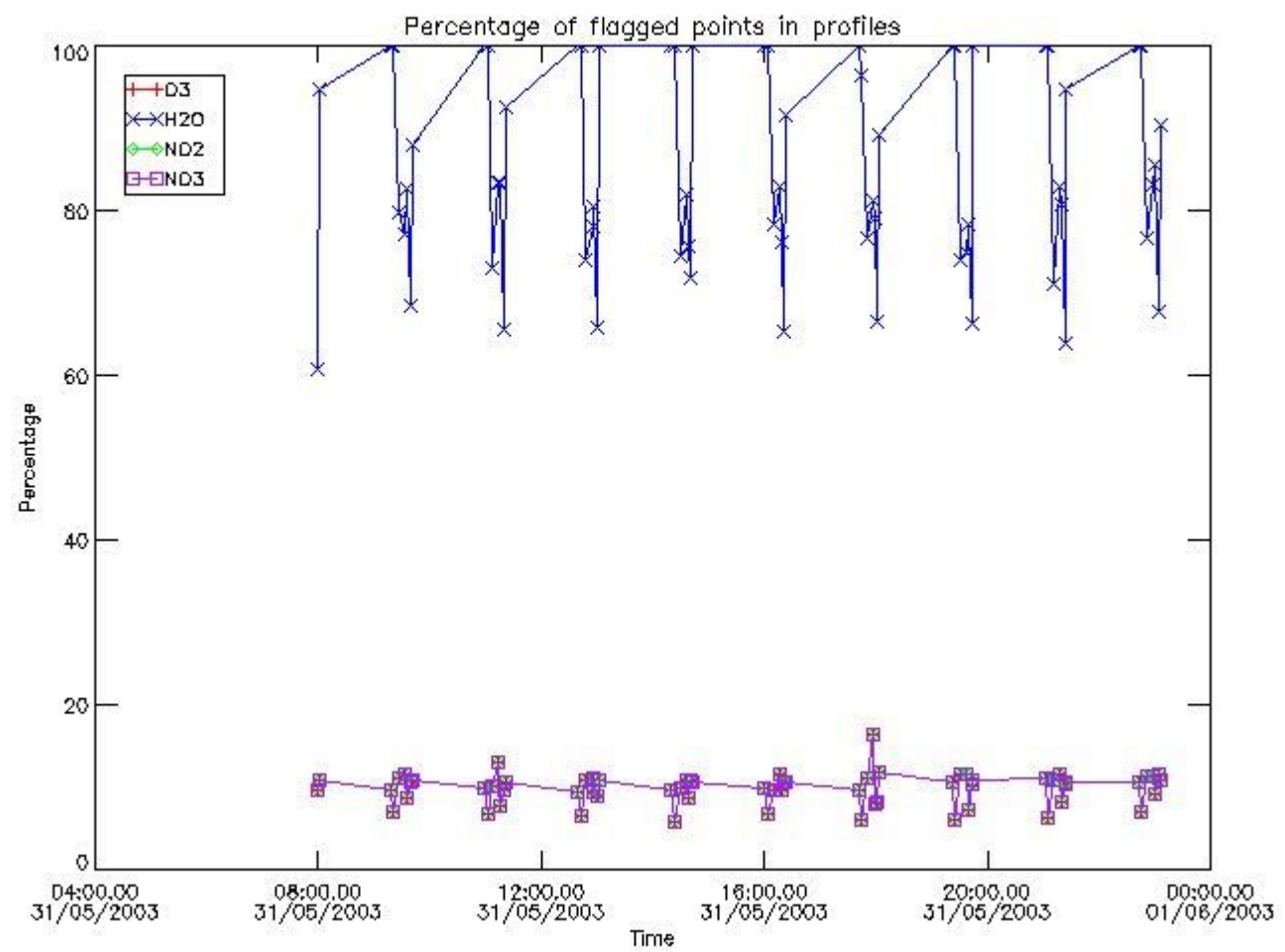
161	GOM_NL__2PRFIN20030531_171748_000000362016_00470_06536_7216.N1	31-MAY-2003 17:17:48	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	6536	No
162	GOM_NL__2PRFIN20030531_172056_000000482016_00470_06536_7217.N1	31-MAY-2003 17:20:56	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	6536	No
163	GOM_NL__2PRFIN20030531_172551_000000372016_00470_06536_7218.N1	31-MAY-2003 17:25:51	Bright	36.500	76	27Gam Cas	2.3000	30000.	73	6536	No
164	GOM_NL__2PRFIN20030531_173334_000000452016_00470_06536_7219.N1	31-MAY-2003 17:33:34	Bright	44.500	53	43Bet And	2.0480	3300.0	89	6536	No
165	GOM_NL__2PRFIN20030531_173615_000000532016_00470_06536_7220.N1	31-MAY-2003 17:36:15	Tw_i_and_stray	53.000	58	21Alp And	2.0730	11000.	106	6536	No
166	GOM_NL__2PRFIN20030531_174108_000000532016_00470_06536_7221.N1	31-MAY-2003 17:41:08	Dark	53.000	140	88Gam Peg	2.8340	26000.	106	6536	No
167	GOM_NL__2PRFIN20030531_174418_000000842016_00470_06536_7222.N1	31-MAY-2003 17:44:18	Dark	84.000	90	54Alp Peg	2.4870	11000.	168	6536	No
168	GOM_NL__2PRFIN20030531_175007_000000462016_00470_06536_7223.N1	31-MAY-2003 17:50:07	Dark	45.500	52	16Bet Cet	2.0370	4500.0	91	6536	No
169	GOM_NL__2PRFIN20030531_175649_000000412016_00470_06536_7224.N1	31-MAY-2003 17:56:49	Dark	40.500	84	Alp Phe	2.3970	4500.0	81	6536	No
170	GOM_NL__2PRFIN20030531_175842_000000652016_00470_06536_7225.N1	31-MAY-2003 17:58:42	Dark	65.000	18	24Alp PsA	1.1660	9700.0	130	6536	No
171	GOM_NL__2PRFIN20030531_180205_000000622016_00471_06537_7200.N1	31-MAY-2003 18:02:05	Dark	61.500	63	Bet Gru	2.1500	2800.0	123	6537	No
172	GOM_NL__2PRFIN20030531_180357_000000472016_00471_06537_7201.N1	31-MAY-2003 18:03:57	Dark	47.000	31	Alp Gru	1.7340	15200.	94	6537	No
173	GOM_NL__2PRFIN20030531_180717_000001852016_00471_06537_7202.N1	31-MAY-2003 18:07:17	Dark	185.00	1014	Mars	0.0000	0.0000	370	6537	Yes
174	GOM_NL__2PRFIN20030531_181513_000000422016_00471_06537_7203.N1	31-MAY-2003 18:15:13	Straylight	41.500	141	Bet Ara	2.8400	4600.0	83	6537	No
175	GOM_NL__2PRFIN20030531_181627_000000402016_00471_06537_7204.N1	31-MAY-2003 18:16:27	Straylight	40.000	147	Alp Ara	2.8770	26000.	80	6537	No
176	GOM_NL__2PRFIN20030531_181808_000000482016_00471_06537_7205.N1	31-MAY-2003 18:18:08	Straylight	47.500	40	The Sco	1.8590	7100.0	95	6537	No
177	GOM_NL__2PRFIN20030531_181956_000000482016_00471_06537_7206.N1	31-MAY-2003 18:19:56	Tw_i_and_stray	47.500	25	35Lam Sco	1.6200	28000.	95	6537	No
178	GOM_NL__2PRFIN20030531_182144_000000482016_00471_06537_7207.N1	31-MAY-2003 18:21:44	Tw_i_and_stray	48.000	75	26Eps Sco	2.2910	4250.0	96	6537	No
179	GOM_NL__2PRFIN20030531_182347_000000422016_00471_06537_7208.N1	31-MAY-2003 18:23:47	Bright	42.000	136	23Tau Sco	2.8220	30000.	84	6537	No
180	GOM_NL__2PRFIN20030531_182553_000000412016_00471_06537_7209.N1	31-MAY-2003 18:25:53	Bright	40.500	80	7Del Sco	2.3160	30000.	81	6537	No
181	GOM_NL__2PRFIN20030531_182726_000000472016_00471_06537_7210.N1	31-MAY-2003 18:27:26	Bright	46.500	86	35Eta Oph	2.4300	10200.	93	6537	No
182	GOM_NL__2PRFIN20030531_182919_000000432016_00471_06537_7211.N1	31-MAY-2003 18:29:19	Bright	43.000	98	13Zet Oph	2.5710	30000.	86	6537	No
183	GOM_NL__2PRFIN20030531_183131_000000412016_00471_06537_7212.N1	31-MAY-2003 18:31:31	Bright	41.000	120	1Del Oph	2.7340	3200.0	82	6537	No
184	GOM_NL__2PRFIN20030531_184028_000000382016_00471_06537_7213.N1	31-MAY-2003 18:40:28	Bright	37.500	83		2.3780	11000.	75	6537	No
185	GOM_NL__2PRFIN20030531_184339_000000362016_00471_06537_7214.N1	31-MAY-2003 18:43:39	Bright	35.500	180	27Gam Boo	3.0400	8000.0	71	6537	No
186	GOM_NL__2PRFIN20030531_185104_000000412016_00471_06537_7215.N1	31-MAY-2003 18:51:04	Bright	40.500	119	14Eta Dra	2.7270	4700.0	81	6537	No
187	GOM_NL__2PRFIN20030531_185343_000000382016_00471_06537_7216.N1	31-MAY-2003 18:53:43	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	6537	No
188	GOM_NL__2PRFIN20030531_185824_000000372016_00471_06537_7217.N1	31-MAY-2003 18:58:24	Bright	37.000	49	1Alp UMi	1.9900	6300.0	74	6537	No
189	GOM_NL__2PRFIN20030531_190131_000000482016_00471_06537_7218.N1	31-MAY-2003 19:01:31	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	6537	No
190	GOM_NL__2PRFIN20030531_190627_000000392016_00471_06537_7219.N1	31-MAY-2003 19:06:27	Bright	39.000	76	27Gam Cas	2.3000	30000.	78	6537	No
191	GOM_NL__2PRFIN20030531_191410_000000462016_00471_06537_7220.N1	31-MAY-2003 19:14:10	Bright	45.500	53	43Bet And	2.0480	3300.0	91	6537	No
192	GOM_NL__2PRFIN20030531_191651_000000522016_00471_06537_7221.N1	31-MAY-2003 19:16:51	Tw_i_and_stray	52.000	58	21Alp And	2.0730	11000.	104	6537	No
193	GOM_NL__2PRFIN20030531_192145_000000532016_00471_06537_7222.N1	31-MAY-2003 19:21:45	Dark	52.500	140	88Gam Peg	2.8340	26000.	105	6537	No
194	GOM_NL__2PRFIN20030531_192454_000000862016_00471_06537_7223.N1	31-MAY-2003 19:24:54	Dark	86.000	90	54Alp Peg	2.4870	11000.	172	6537	No
195	GOM_NL__2PRFIN20030531_193043_000000452016_00471_06537_7224.N1	31-MAY-2003 19:30:43	Dark	44.500	52	16Bet Cet	2.0370	4500.0	89	6537	No
196	GOM_NL__2PRFIN20030531_193726_000000452016_00471_06537_7225.N1	31-MAY-2003 19:37:26	Dark	44.500	84	Alp Phe	2.3970	4500.0	89	6537	No
197	GOM_NL__2PRFIN20030531_193919_000000702016_00471_06537_7226.N1	31-MAY-2003 19:39:19	Dark	69.500	18	24Alp PsA	1.1660	9700.0	139	6537	No
198	GOM_NL__2PRFIN20030531_194242_000000502016_00472_06538_7201.N1	31-MAY-2003 19:42:42	Dark	49.500	63	Bet Gru	2.1500	2800.0	99	6538	No
199	GOM_NL__2PRFIN20030531_194434_000000472016_00472_06538_7202.N1	31-MAY-2003 19:44:34	Dark	47.000	31	Alp Gru	1.7340	15200.	94	6538	No
200	GOM_NL__2PRFIN20030531_194754_000001622016_00472_06538_7203.N1	31-MAY-2003 19:47:54	Dark	162.00	1014	Mars	0.0000	0.0000	324	6538	Yes
201	GOM_NL__2PRFIN20030531_195549_000000442016_00472_06538_7204.N1	31-MAY-2003 19:55:49	Straylight	43.500	141	Bet Ara	2.8400	4600.0	87	6538	No
202	GOM_NL__2PRFIN20030531_195704_000000402016_00472_06538_7205.N1	31-MAY-2003 19:57:04	Straylight	40.000	147	Alp Ara	2.8770	26000.	80	6538	No
203	GOM_NL__2PRFIN20030531_195845_000000472016_00472_06538_7206.N1	31-MAY-2003 19:58:45	Straylight	46.500	40	The Sco	1.8590	7100.0	93	6538	No
204	GOM_NL__2PRFIN20030531_200033_000000492016_00472_06538_7207.N1	31-MAY-2003 20:00:33	Tw_i_and_stray	48.500	25	35Lam Sco	1.6200	28000.	97	6538	No
205	GOM_NL__2PRFIN20030531_200220_000000472016_00472_06538_7208.N1	31-MAY-2003 20:02:20	Tw_i_and_stray	47.000	75	26Eps Sco	2.2910	4250.0	94	6538	No
206	GOM_NL__2PRFIN20030531_200423_000000422016_00472_06538_7209.N1	31-MAY-2003 20:04:23	Bright	42.000	136	23Tau Sco	2.8220	30000.	84	6538	No
207	GOM_NL__2PRFIN20030531_200629_000000402016_00472_06538_7210.N1	31-MAY-2003 20:06:29	Bright	40.000	80	7Del Sco	2.3160	30000.	80	6538	No
208	GOM_NL__2PRFIN20030531_200802_000000462016_00472_06538_7211.N1	31-MAY-2003 20:08:02	Bright	45.500	86	35Eta Oph	2.4300	10200.	91	6538	No
209	GOM_NL__2PRFIN20030531_200955_000000432016_00472_06538_7212.N1	31-MAY-2003 20:09:55	Bright	42.500	98	13Zet Oph	2.5710	30000.	85	6538	No
210	GOM_NL__2PRFIN20030531_201207_000000402016_00472_06538_7213.N1	31-MAY-2003 20:12:07	Bright	40.000	120	1Del Oph	2.7340	3200.0	80	6538	No
211	GOM_NL__2PRFIN20030531_202104_000000362016_00472_06538_7214.N1	31-MAY-2003 20:21:04	Bright	36.000	83		2.3780	11000.	72	6538	No
212	GOM_NL__2PRFIN20030531_202415_000000362016_00472_06538_7215.N1	31-MAY-2003 20:24:15	Bright	35.500	180	27Gam Boo	3.0400	8000.0	71	6538	No
213	GOM_NL__2PRFIN20030531_203140_000000412016_00472_06538_7216.N1	31-MAY-2003 20:31:40	Bright	41.000	119	14Eta Dra	2.7270	4700.0	82	6538	No
214	GOM_NL__2PRFIN20030531_203419_000000352016_00472_06538_7217.N1	31-MAY-2003 20:34:19	Bright	35.000	60	7Bet UMi	2.0810	3950.0	70	6538	No
215	GOM_NL__2PRFIN20030531_203900_000000362016_00472_06538_7218.N1	31-MAY-2003 20:39:00	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	6538	No
216	GOM_NL__2PRFIN20030531_204207_000000472016_00472_06538_7219.N1	31-MAY-2003 20:42:07	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	6538	No
217	GOM_NL__2PRFIN20030531_204703_000000382016_00472_06538_7220.N1	31-MAY-2003 20:47:03	Bright	38.000	76	27Gam Cas	2.3000	30000.	76	6538	No
218	GOM_NL__2PRFIN20030531_205446_000000432016_00472_06538_7221.N1	31-MAY-2003 20:54:46	Bright	43.000	53	43Bet And	2.0480	3300.0	86	6538	No
219	GOM_NL__2PRFIN20030531_205727_000000572016_00472_06538_7222.N1	31-MAY-2003 20:57:27	Tw_i_and_stray	56.500	58	21Alp And	2.0730	11000.	113	6538	No

220	GOM_NL__2PRFIN20030531_210221_000000512016_00472_06538_7223.N1	31-MAY-2003 21:02:21	Dark	51.000	140	88Gam Peg	2.8340	26000.	102	6538	No
221	GOM_NL__2PRFIN20030531_210531_000000822016_00472_06538_7224.N1	31-MAY-2003 21:05:31	Dark	82.000	90	54Alp Peg	2.4870	11000.	164	6538	No
222	GOM_NL__2PRFIN20030531_211120_000000472016_00472_06538_7225.N1	31-MAY-2003 21:11:20	Dark	47.000	52	16Bet Cet	2.0370	4500.0	94	6538	No
223	GOM_NL__2PRFIN20030531_211802_000000452016_00472_06538_7226.N1	31-MAY-2003 21:18:02	Dark	44.500	84	Alp Phe	2.3970	4500.0	89	6538	No
224	GOM_NL__2PRFIN20030531_211956_000000632016_00472_06538_7227.N1	31-MAY-2003 21:19:56	Dark	62.500	18	24Alp PsA	1.1660	9700.0	125	6538	No
225	GOM_NL__2PRFIN20030531_212319_000000492016_00473_06539_7202.N1	31-MAY-2003 21:23:19	Dark	49.000	63	Bet Gru	2.1500	2800.0	98	6539	No
226	GOM_NL__2PRFIN20030531_212510_000000482016_00473_06539_7203.N1	31-MAY-2003 21:25:10	Dark	48.000	31	Alp Gru	1.7340	15200.	96	6539	No
227	GOM_NL__2PRFIN20030531_212833_000001432016_00473_06539_7204.N1	31-MAY-2003 21:28:33	Dark	142.50	1014	Mars	0.0000	0.0000	285	6539	Yes
228	GOM_NL__2PRFIN20030531_213626_000000482016_00473_06539_7205.N1	31-MAY-2003 21:36:26	Straylight	47.500	141	Bet Ara	2.8400	4600.0	95	6539	No
229	GOM_NL__2PRFIN20030531_213740_000000402016_00473_06539_7206.N1	31-MAY-2003 21:37:40	Straylight	39.500	147	Alp Ara	2.8770	26000.	79	6539	No
230	GOM_NL__2PRFIN20030531_213921_000000462016_00473_06539_7207.N1	31-MAY-2003 21:39:21	Straylight	45.500	40	The Sco	1.8590	7100.0	91	6539	No
231	GOM_NL__2PRFIN20030531_214109_000000482016_00473_06539_7208.N1	31-MAY-2003 21:41:09	Tw_i_and_stray	48.000	25	35Lam Sco	1.6200	28000.	96	6539	No
232	GOM_NL__2PRFIN20030531_214257_000000482016_00473_06539_7209.N1	31-MAY-2003 21:42:57	Tw_i_and_stray	47.500	75	26Eps Sco	2.2910	4250.0	95	6539	No
233	GOM_NL__2PRFIN20030531_214459_000000412016_00473_06539_7210.N1	31-MAY-2003 21:44:59	Bright	41.000	136	23Tau Sco	2.8220	30000.	82	6539	No
234	GOM_NL__2PRFIN20030531_214705_000000402016_00473_06539_7211.N1	31-MAY-2003 21:47:05	Bright	40.000	80	7Del Sco	2.3160	30000.	80	6539	No
235	GOM_NL__2PRFIN20030531_214838_000000462016_00473_06539_7212.N1	31-MAY-2003 21:48:38	Bright	46.000	86	35Eta Oph	2.4300	10200.	92	6539	No
236	GOM_NL__2PRFIN20030531_215031_000000422016_00473_06539_7213.N1	31-MAY-2003 21:50:31	Bright	42.000	98	13Zet Oph	2.5710	30000.	84	6539	No
237	GOM_NL__2PRFIN20030531_215242_000000412016_00473_06539_7214.N1	31-MAY-2003 21:52:42	Bright	40.500	120	1Del Oph	2.7340	3200.0	81	6539	No
238	GOM_NL__2PRFIN20030531_220139_000000372016_00473_06539_7215.N1	31-MAY-2003 22:01:39	Bright	37.000	83		2.3780	11000.	74	6539	No
239	GOM_NL__2PRFIN20030531_220451_000000362016_00473_06539_7216.N1	31-MAY-2003 22:04:51	Bright	35.500	180	27Gam Boo	3.0400	8000.0	71	6539	No
240	GOM_NL__2PRFIN20030531_221216_000000402016_00473_06539_7217.N1	31-MAY-2003 22:12:16	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	6539	No
241	GOM_NL__2PRFIN20030531_221455_000000392016_00473_06539_7218.N1	31-MAY-2003 22:14:55	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	6539	No
242	GOM_NL__2PRFIN20030531_221936_000000352016_00473_06539_7219.N1	31-MAY-2003 22:19:36	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	6539	No
243	GOM_NL__2PRFIN20030531_222242_000000492016_00473_06539_7220.N1	31-MAY-2003 22:22:42	Bright	48.500	89	5Alp Cep	2.4510	8000.0	97	6539	No
244	GOM_NL__2PRFIN20030531_222739_000000382016_00473_06539_7221.N1	31-MAY-2003 22:27:39	Bright	38.000	76	27Gam Cas	2.3000	30000.	76	6539	No
245	GOM_NL__2PRFIN20030531_223522_000000442016_00473_06539_7222.N1	31-MAY-2003 22:35:22	Bright	44.000	53	43Bet And	2.0480	3300.0	88	6539	No
246	GOM_NL__2PRFIN20030531_223803_000000522016_00473_06539_7223.N1	31-MAY-2003 22:38:03	Tw_i_and_stray	52.000	58	21Alp And	2.0730	11000.	104	6539	No
247	GOM_NL__2PRFIN20030531_224257_000000532016_00473_06539_7224.N1	31-MAY-2003 22:42:57	Dark	53.000	140	88Gam Peg	2.8340	26000.	106	6539	No
248	GOM_NL__2PRFIN20030531_224608_000000882016_00473_06539_7225.N1	31-MAY-2003 22:46:08	Dark	87.500	90	54Alp Peg	2.4870	11000.	175	6539	No
249	GOM_NL__2PRFIN20030531_225156_000000502016_00473_06539_7226.N1	31-MAY-2003 22:51:56	Dark	49.500	52	16Bet Cet	2.0370	4500.0	99	6539	No
250	GOM_NL__2PRFIN20030531_225839_000000452016_00473_06539_7227.N1	31-MAY-2003 22:58:39	Dark	45.000	84	Alp Phe	2.3970	4500.0	90	6539	No
251	GOM_NL__2PRFIN20030531_230033_000000562016_00473_06539_7228.N1	31-MAY-2003 23:00:33	Dark	55.500	18	24Alp PsA	1.1660	9700.0	111	6539	No
252	GOM_NL__2PRFIN20030531_230355_000000492016_00474_06540_7203.N1	31-MAY-2003 23:03:55	Dark	48.500	63	Bet Gru	2.1500	2800.0	97	6540	No
253	GOM_NL__2PRFIN20030531_230547_000000472016_00474_06540_7204.N1	31-MAY-2003 23:05:47	Dark	47.000	31	Alp Gru	1.7340	15200.	94	6540	No
254	GOM_NL__2PRFIN20030531_230911_000001752016_00474_06540_7205.N1	31-MAY-2003 23:09:11	Dark	174.50	1014	Mars	0.0000	0.0000	349	6540	Yes
255	GOM_NL__2PRFIN20030531_231702_000000462016_00474_06540_7206.N1	31-MAY-2003 23:17:02	Straylight	45.500	141	Bet Ara	2.8400	4600.0	91	6540	No
256	GOM_NL__2PRFIN20030531_231816_000000432016_00474_06540_7207.N1	31-MAY-2003 23:18:16	Straylight	42.500	147	Alp Ara	2.8770	26000.	85	6540	No
257	GOM_NL__2PRFIN20030531_231958_000000472016_00474_06540_7208.N1	31-MAY-2003 23:19:58	Straylight	47.000	40	The Sco	1.8590	7100.0	94	6540	No
258	GOM_NL__2PRFIN20030531_232145_000000492016_00474_06540_7209.N1	31-MAY-2003 23:21:45	Tw_i_and_stray	48.500	25	35Lam Sco	1.6200	28000.	97	6540	No
259	GOM_NL__2PRFIN20030531_232333_000000472016_00474_06540_7210.N1	31-MAY-2003 23:23:33	Tw_i_and_stray	47.000	75	26Eps Sco	2.2910	4250.0	94	6540	No
260	GOM_NL__2PRFIN20030531_232535_000000452016_00474_06540_7211.N1	31-MAY-2003 23:25:35	Bright	44.500	136	23Tau Sco	2.8220	30000.	89	6540	No
261	GOM_NL__2PRFIN20030531_232741_000000402016_00474_06540_7212.N1	31-MAY-2003 23:27:41	Bright	39.500	80	7Del Sco	2.3160	30000.	79	6540	No
262	GOM_NL__2PRFIN20030531_232914_000000472016_00474_06540_7213.N1	31-MAY-2003 23:29:14	Bright	47.000	86	35Eta Oph	2.4300	10200.	94	6540	No
263	GOM_NL__2PRFIN20030531_233106_000000432016_00474_06540_7214.N1	31-MAY-2003 23:31:06	Bright	42.500	98	13Zet Oph	2.5710	30000.	85	6540	No
264	GOM_NL__2PRFIN20030531_233318_000000412016_00474_06540_7215.N1	31-MAY-2003 23:33:18	Bright	41.000	120	1Del Oph	2.7340	3200.0	82	6540	No
265	GOM_NL__2PRFIN20030531_233619_000000382016_00474_06540_7216.N1	31-MAY-2003 23:36:19	Bright	37.500	102	24Alp Ser	2.6000	4250.0	75	6540	No
266	GOM_NL__2PRFIN20030531_234216_000000372016_00474_06540_7217.N1	31-MAY-2003 23:42:16	Bright	36.500	83		2.3780	11000.	73	6540	No
267	GOM_NL__2PRFIN20030531_234527_000000342016_00474_06540_7218.N1	31-MAY-2003 23:45:27	Bright	34.000	180	27Gam Boo	3.0400	8000.0	68	6540	No
268	GOM_NL__2PRFIN20030531_235251_000000372016_00474_06540_7219.N1	31-MAY-2003 23:52:51	Bright	37.000	119	14Eta Dra	2.7270	4700.0	74	6540	No
269	GOM_NL__2PRFIN20030531_235531_000000332016_00474_06540_7220.N1	31-MAY-2003 23:55:31	Bright	33.000	60	7Bet UMi	2.0810	3950.0	66	6540	No

### 3. Quality information per product

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

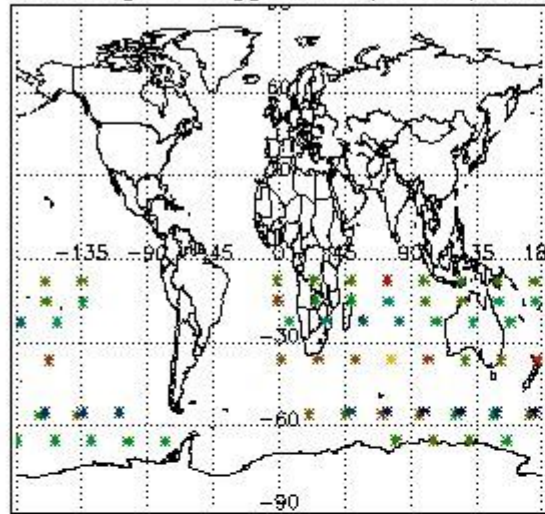
3.1 Plot quality information per product (time dependant)



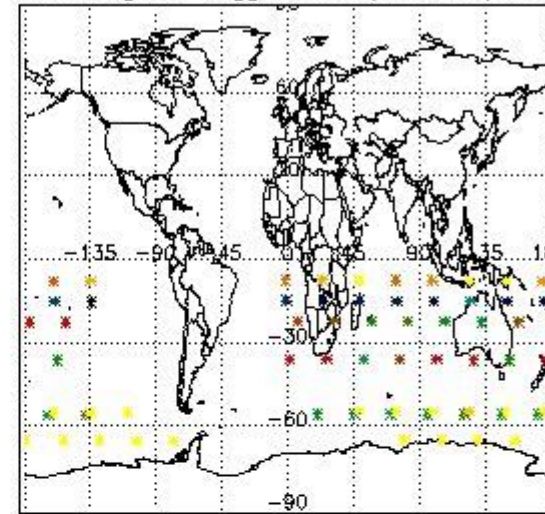
3.2 Plot quality information per product (world map)



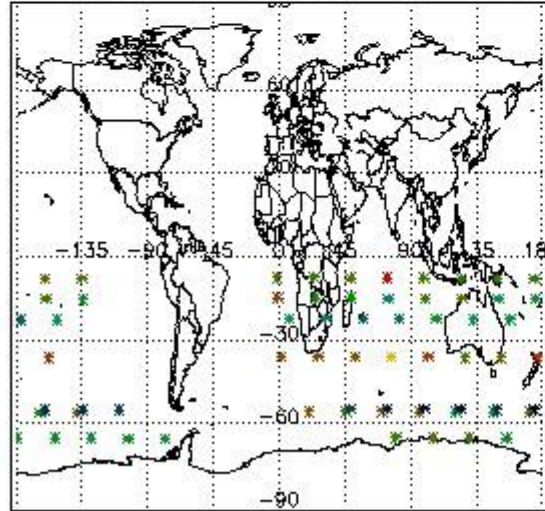
Percentage of flagged data per O3 profile



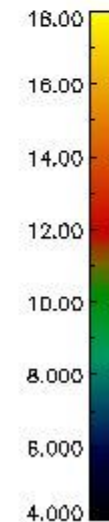
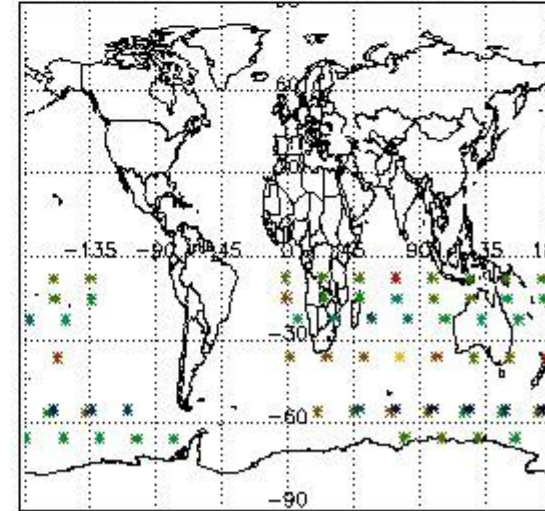
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

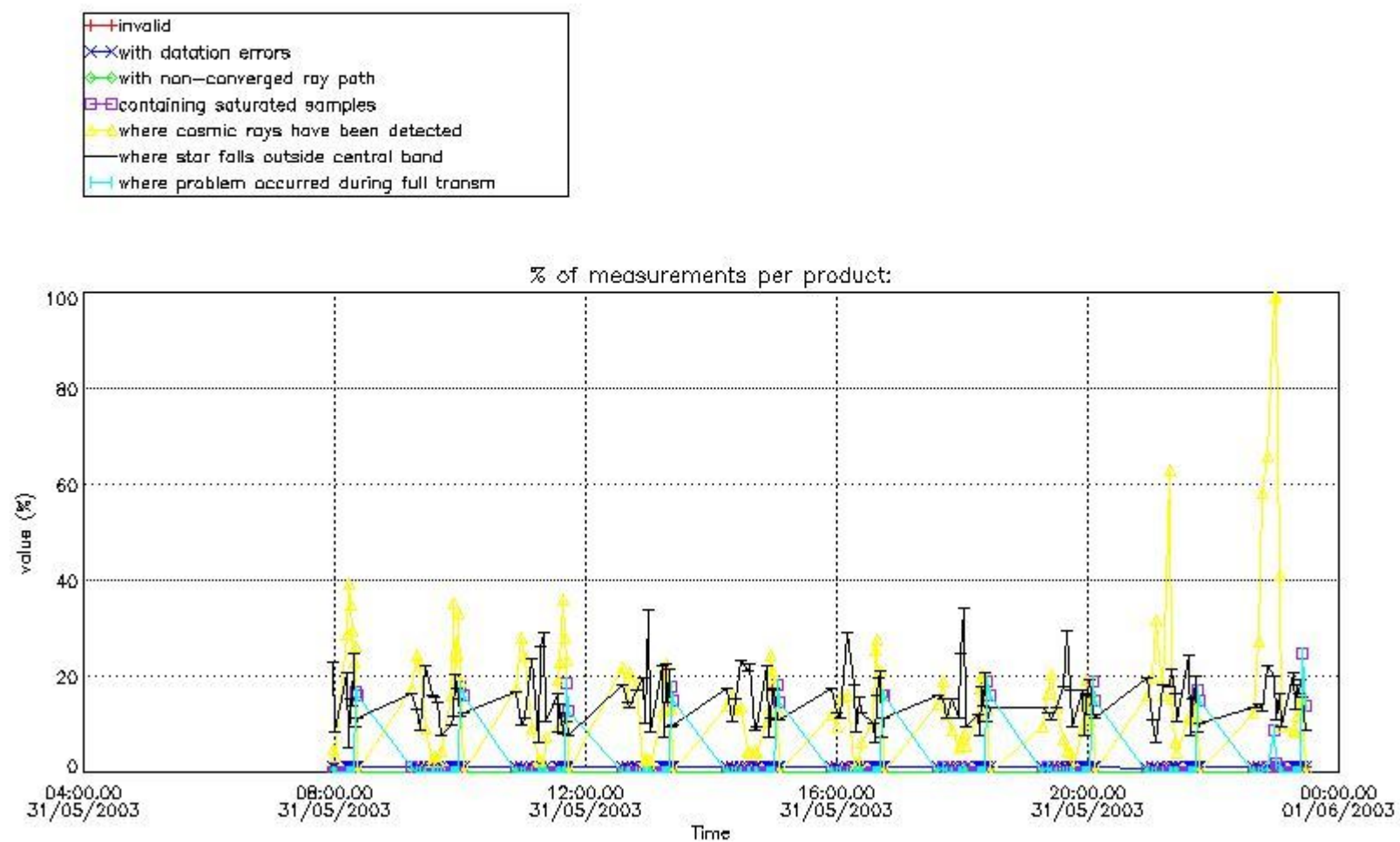


#### 4. Level 1 quality information per product

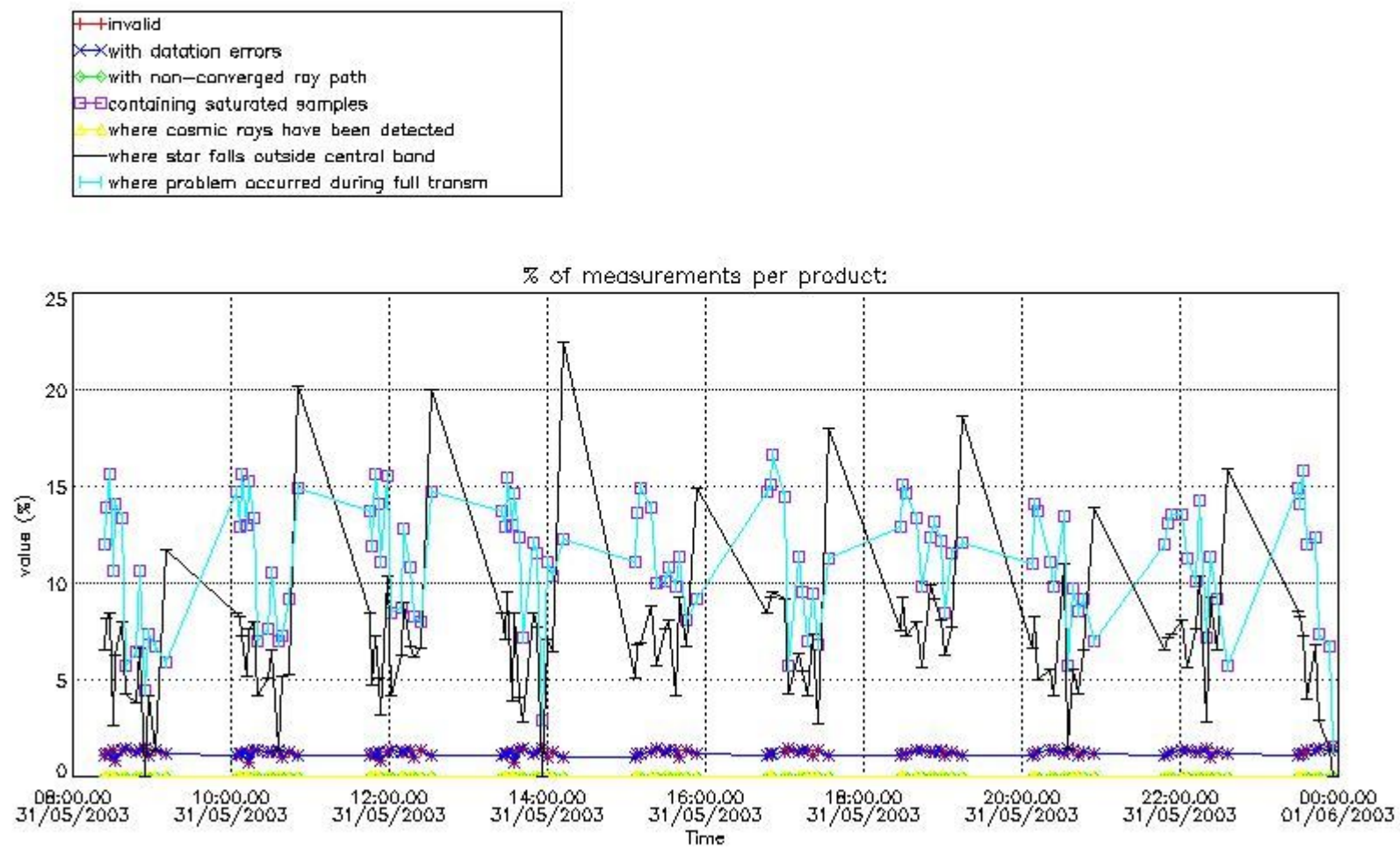
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



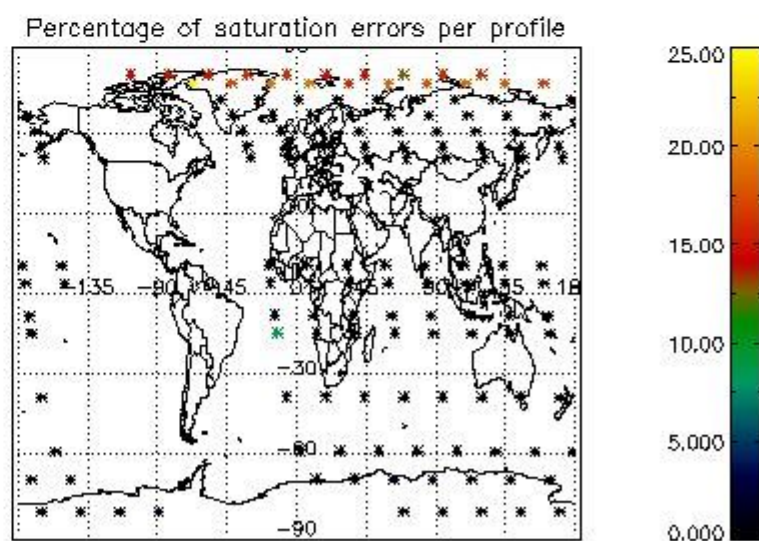
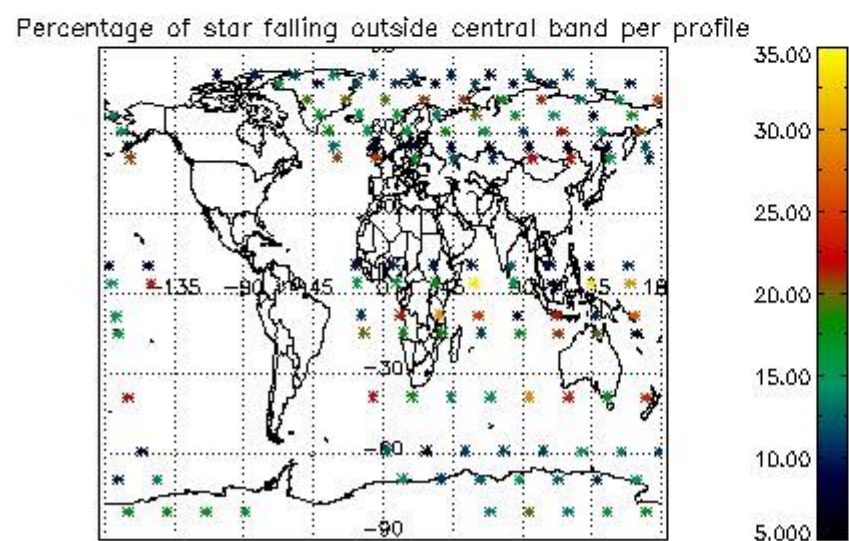
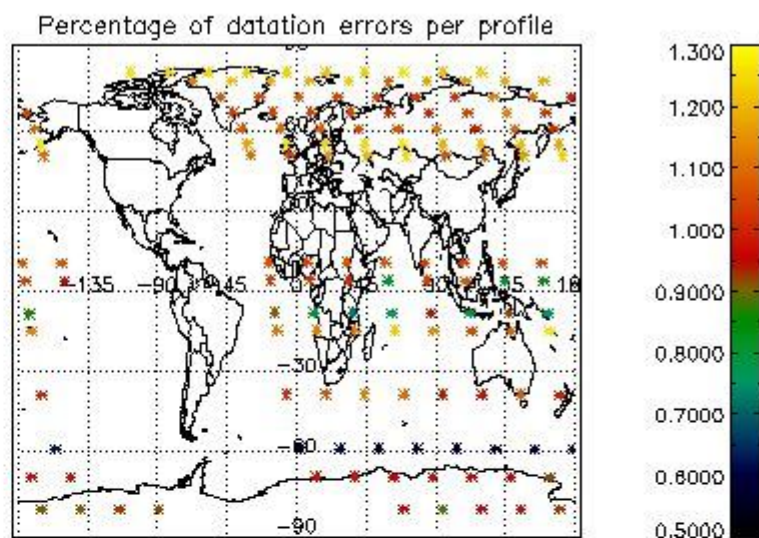
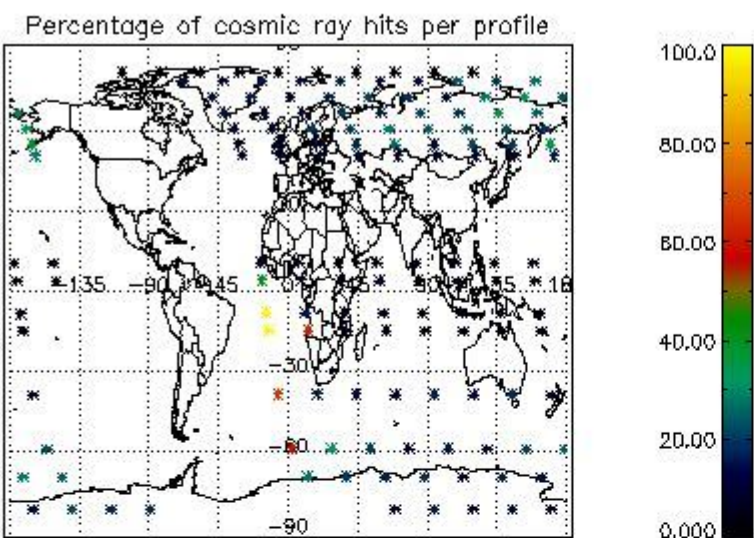
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



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

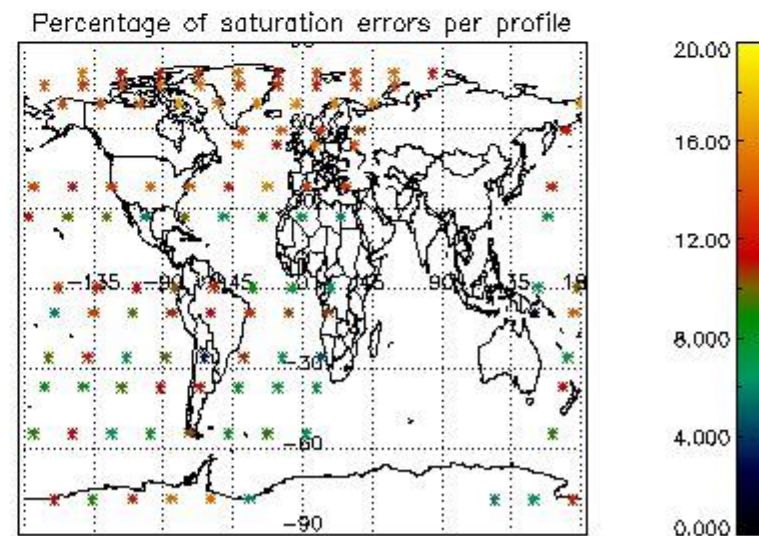
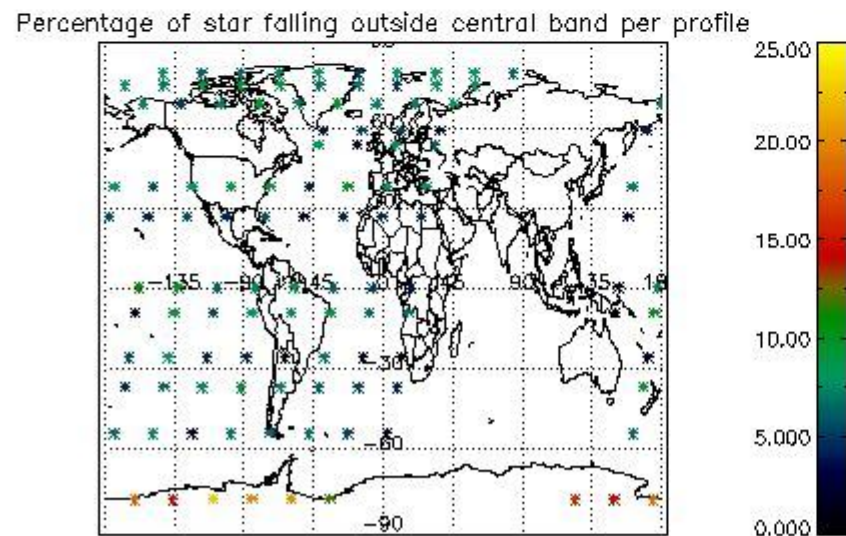
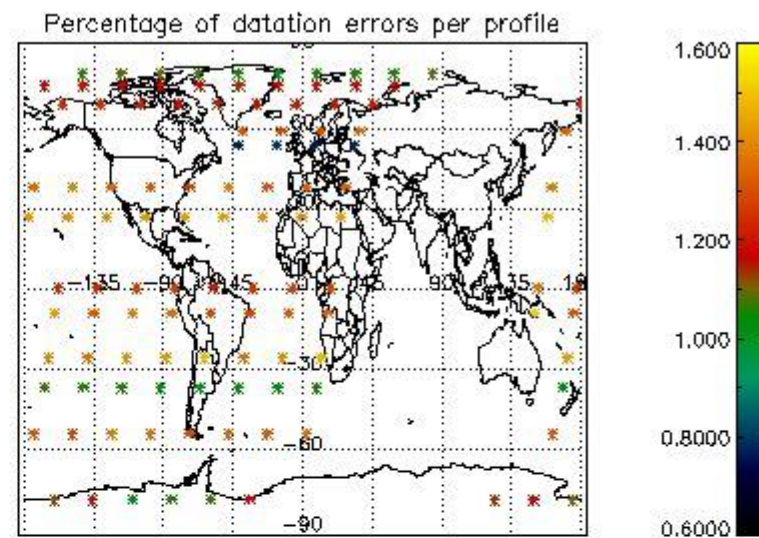
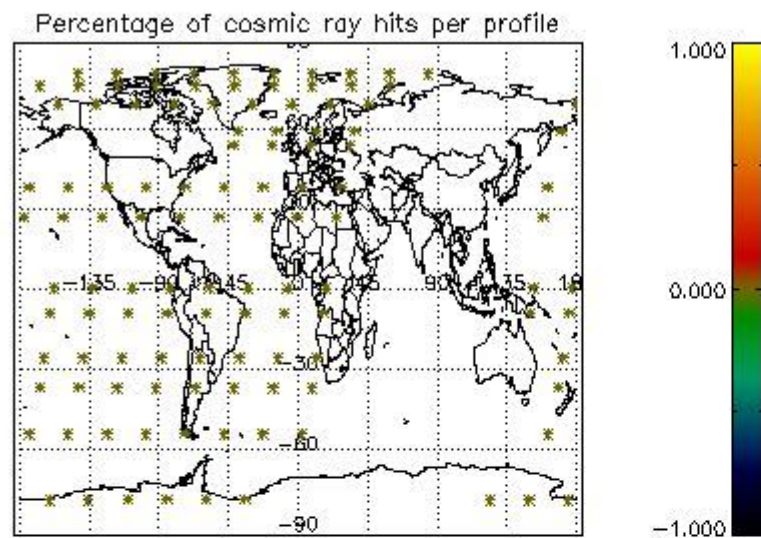
4.2.1 Plot level 1 quality information per product (world map): ENVISAT ASCENDING passes





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





## 5. Trace gas profiles

### 5.1 Ozone statistics based on quality of products

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

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

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

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

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

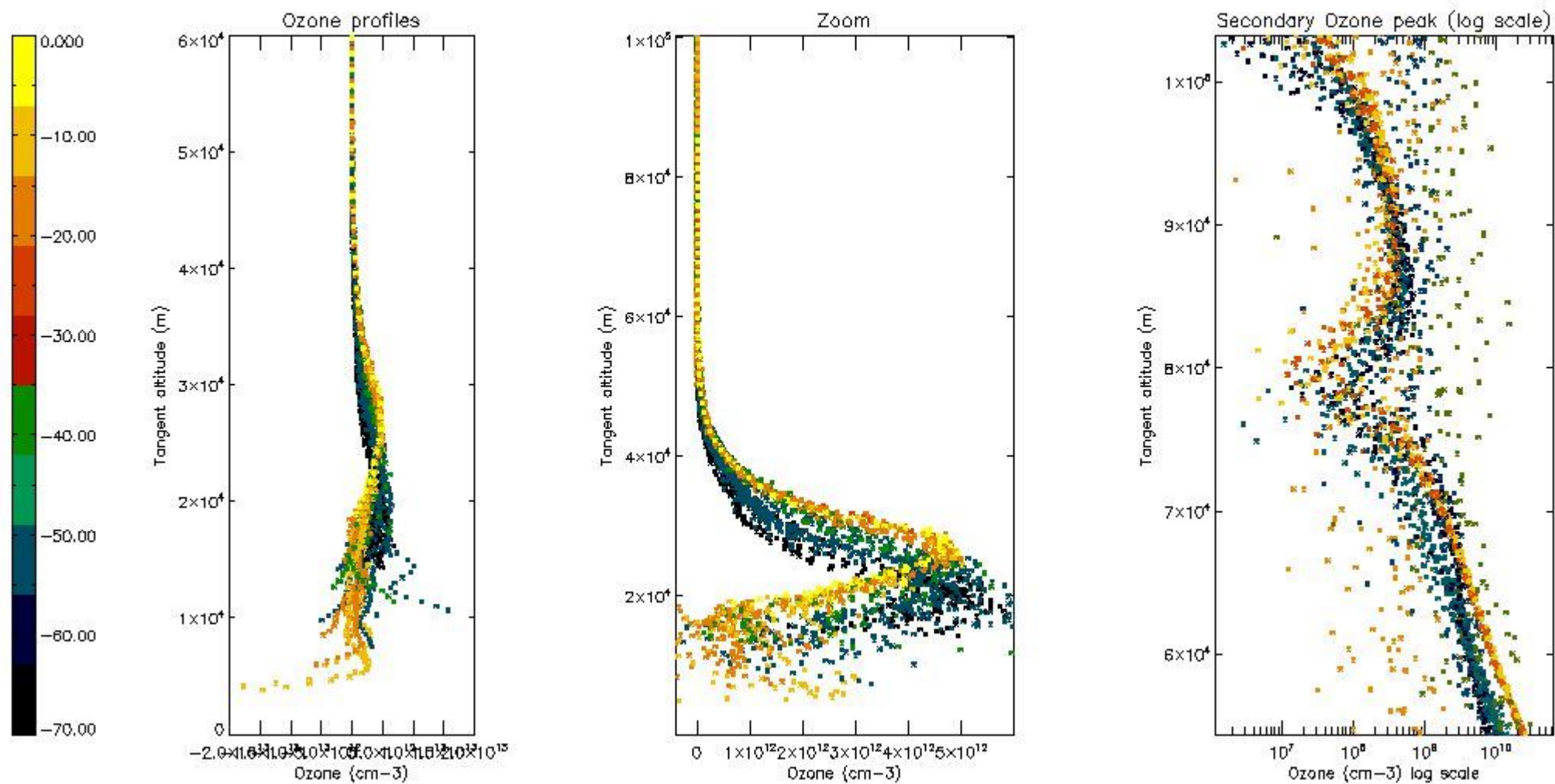
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	31
STD < 20	17

STD < 10	14
STD < 5	10

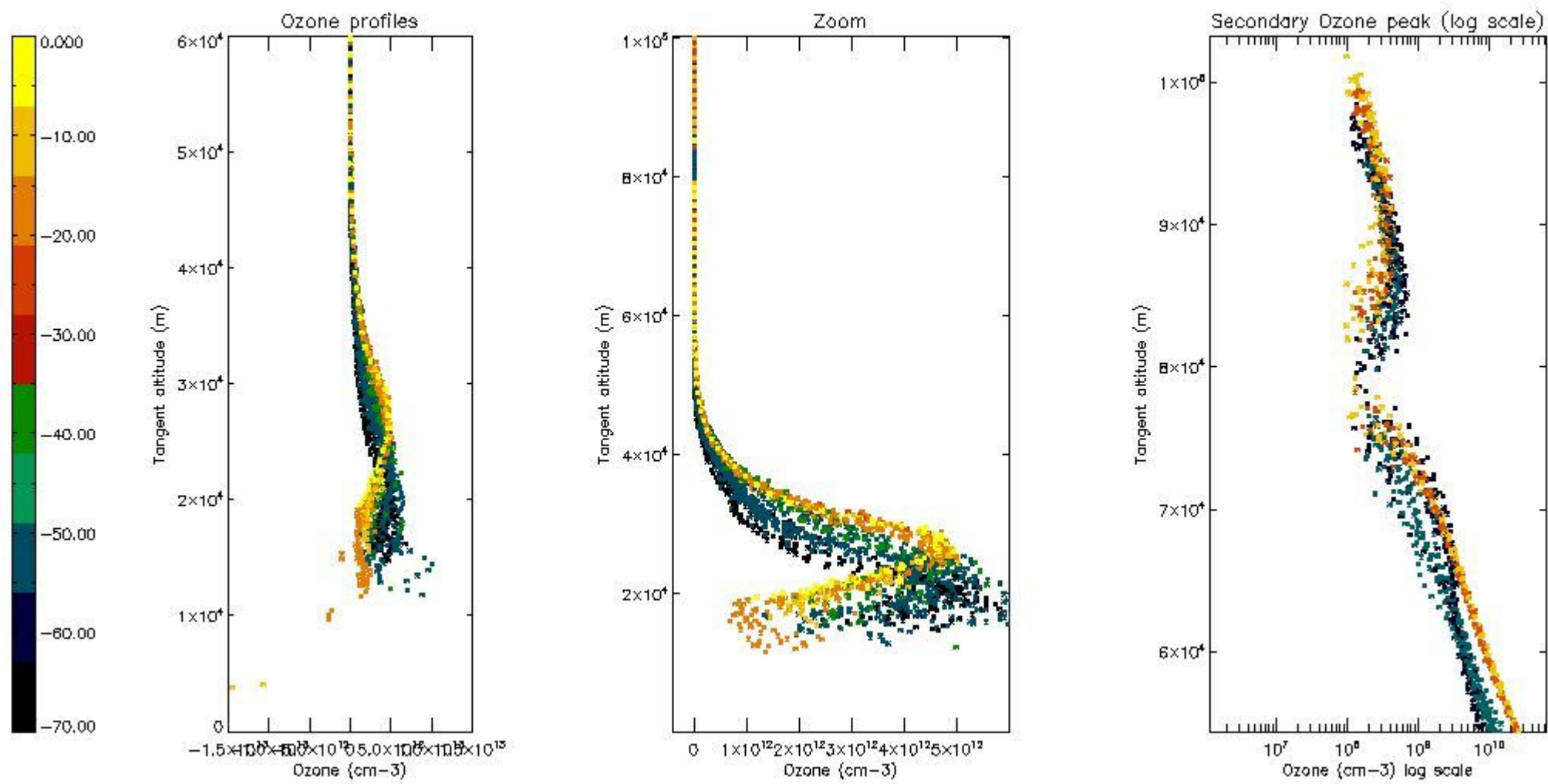
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

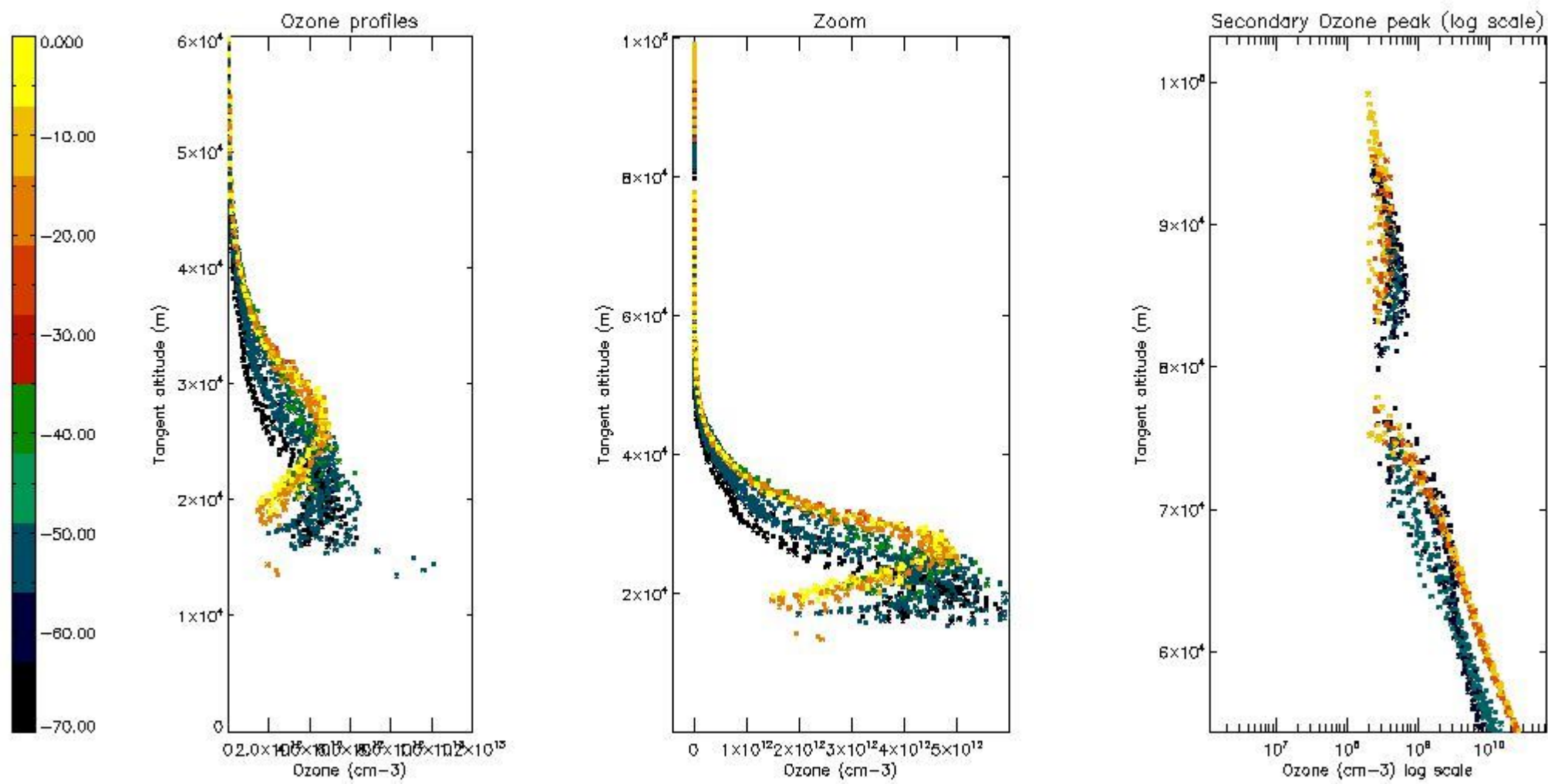
The colorbar represents the latitude.



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

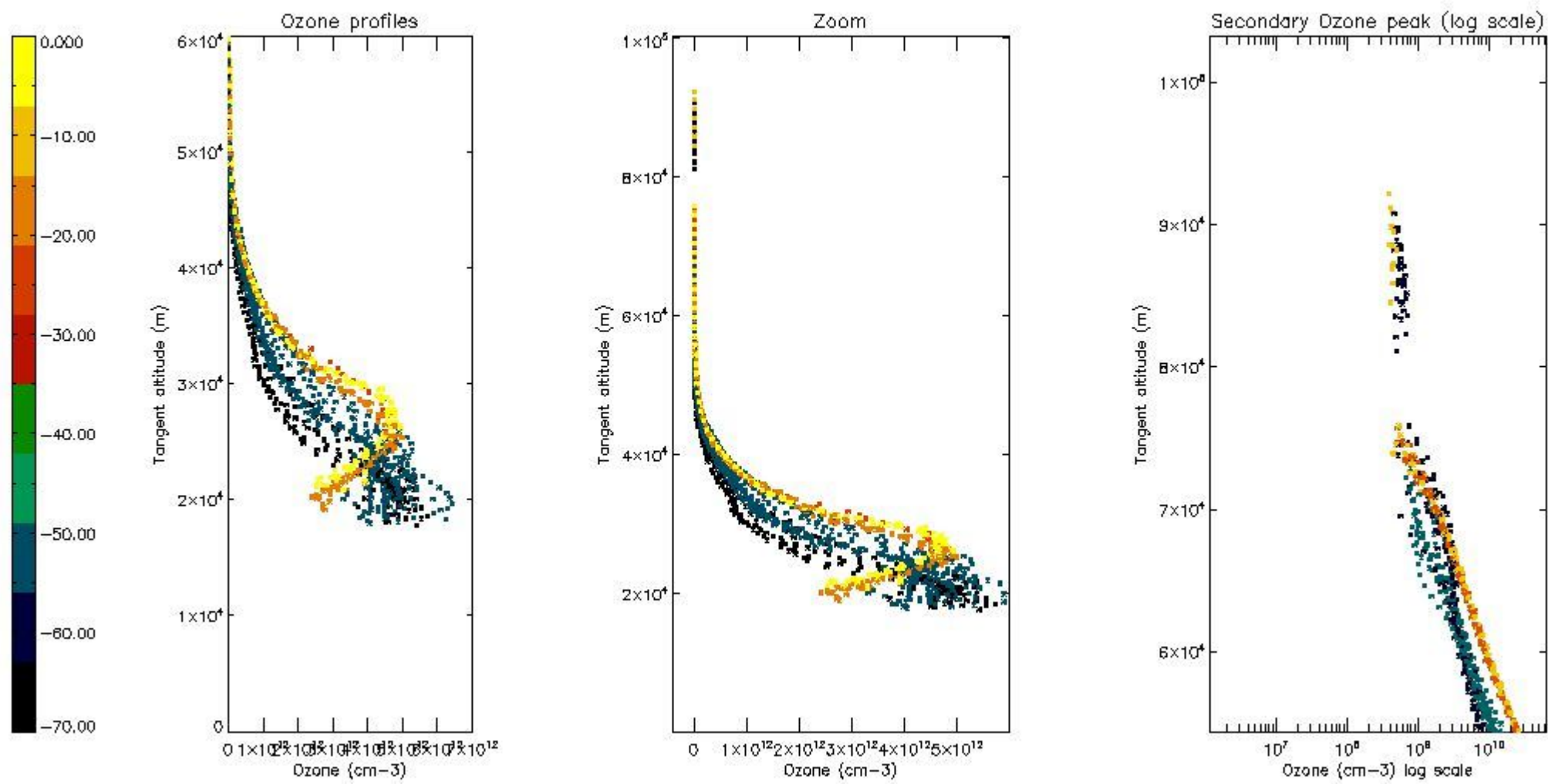
The colorbar represents the latitude.





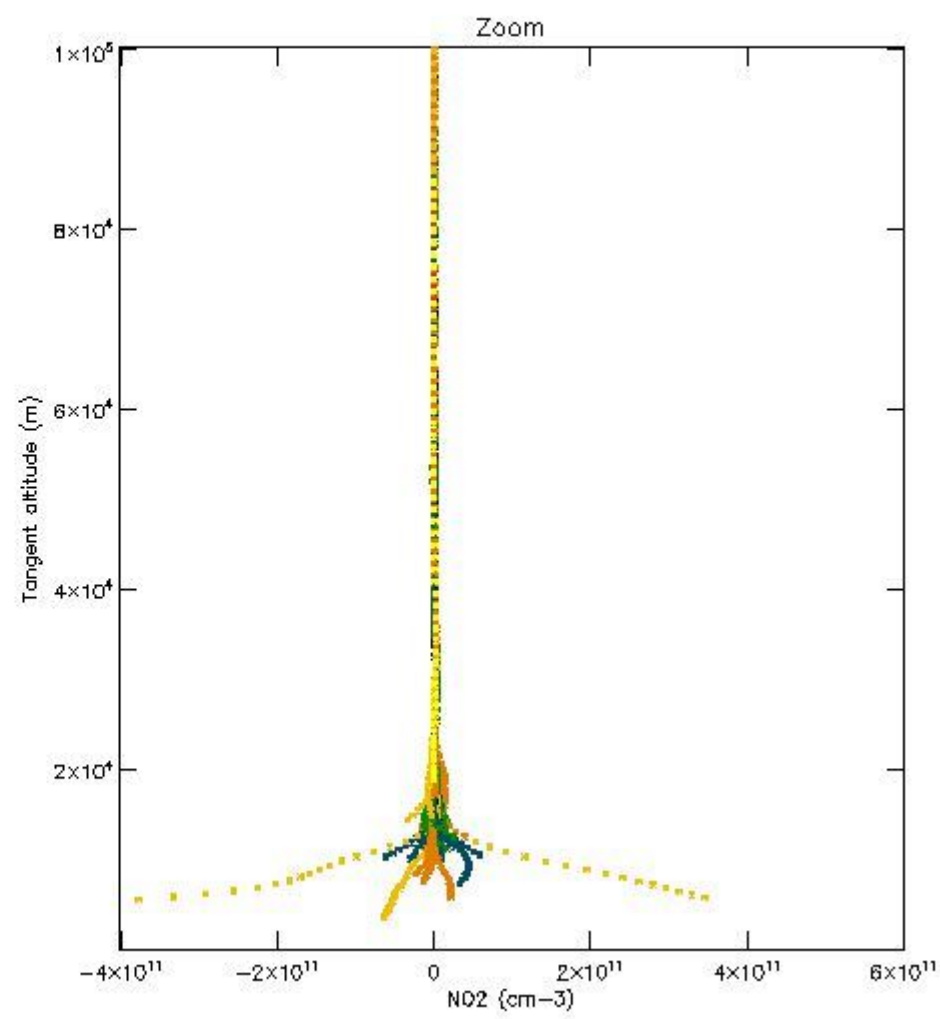
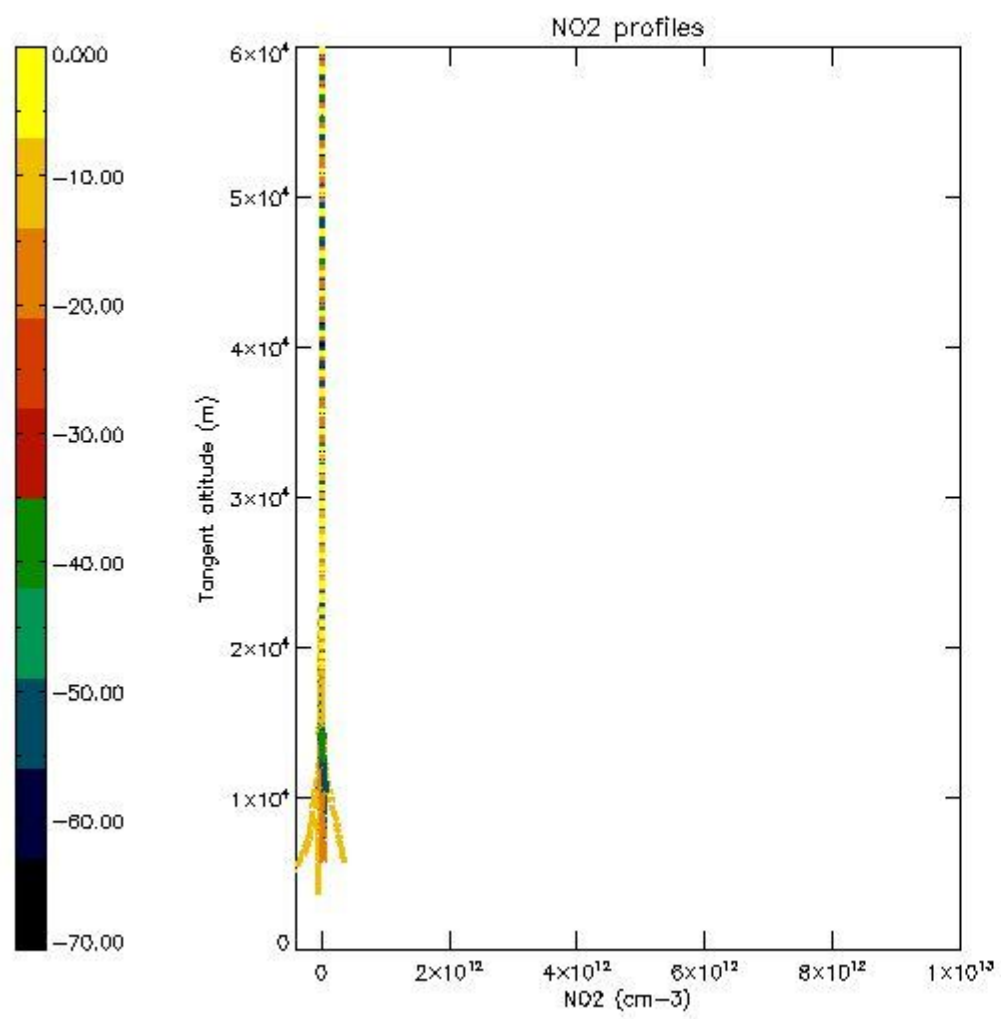
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



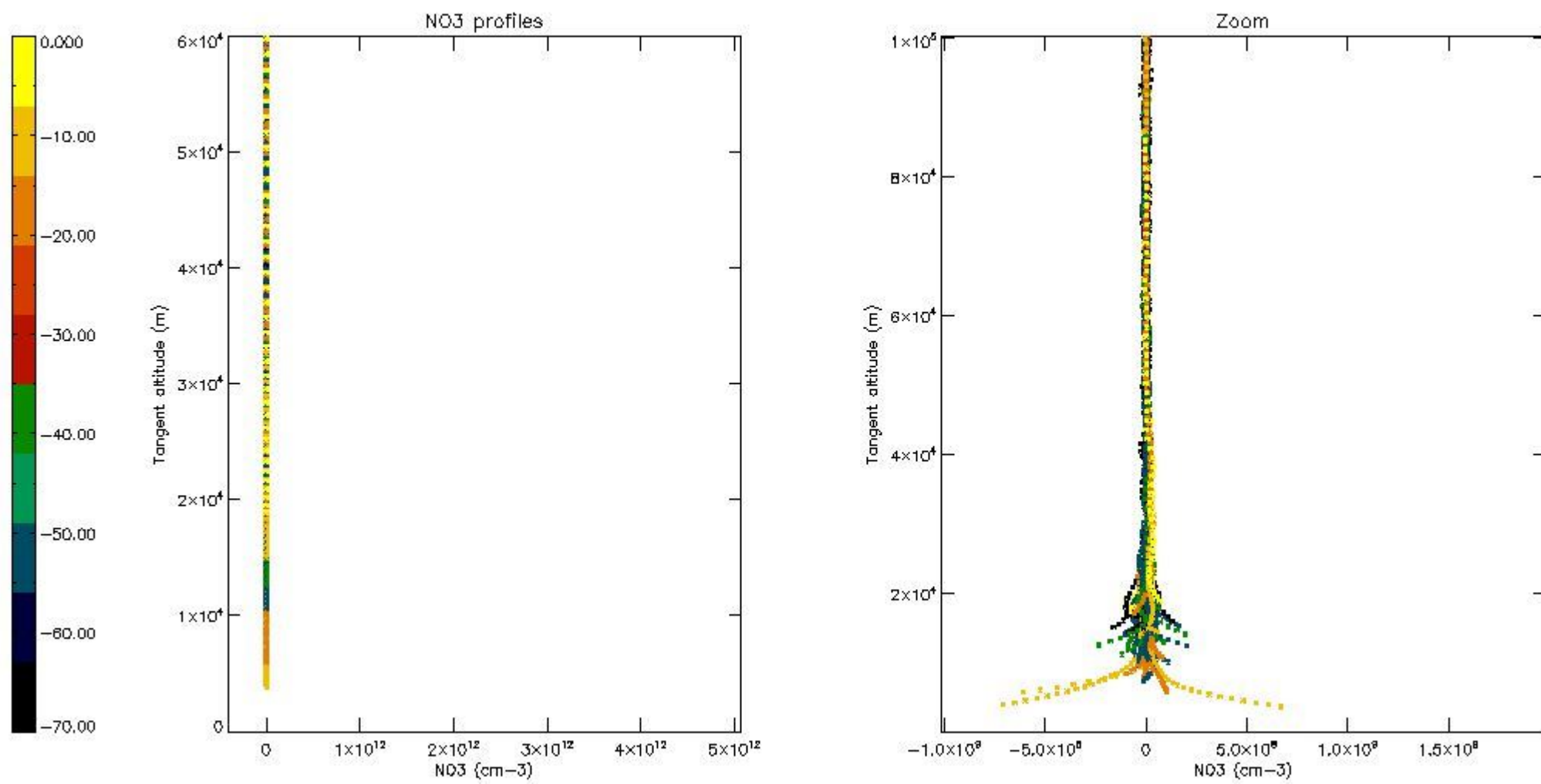
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



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

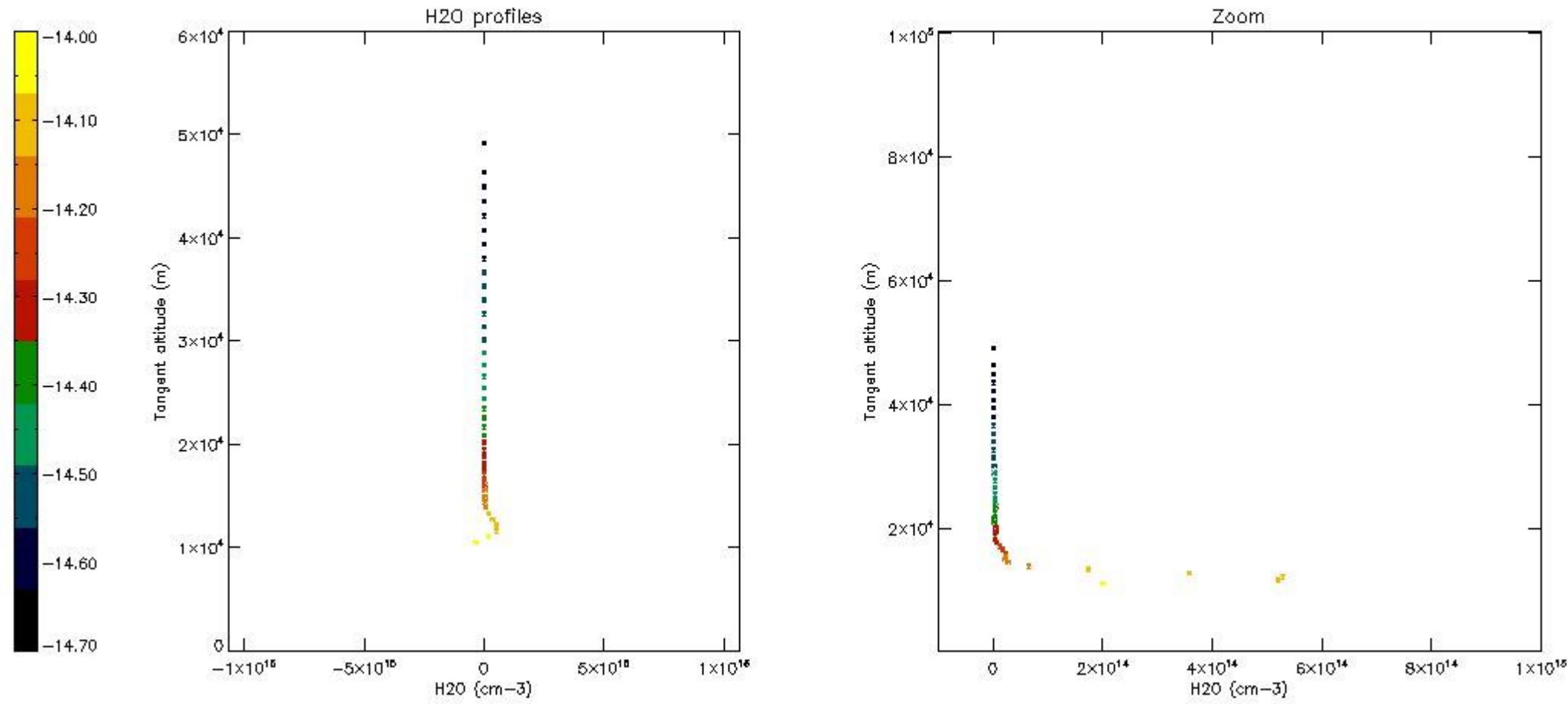
The colorbar represents the latitude.



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

The colorbar represents the latitude.

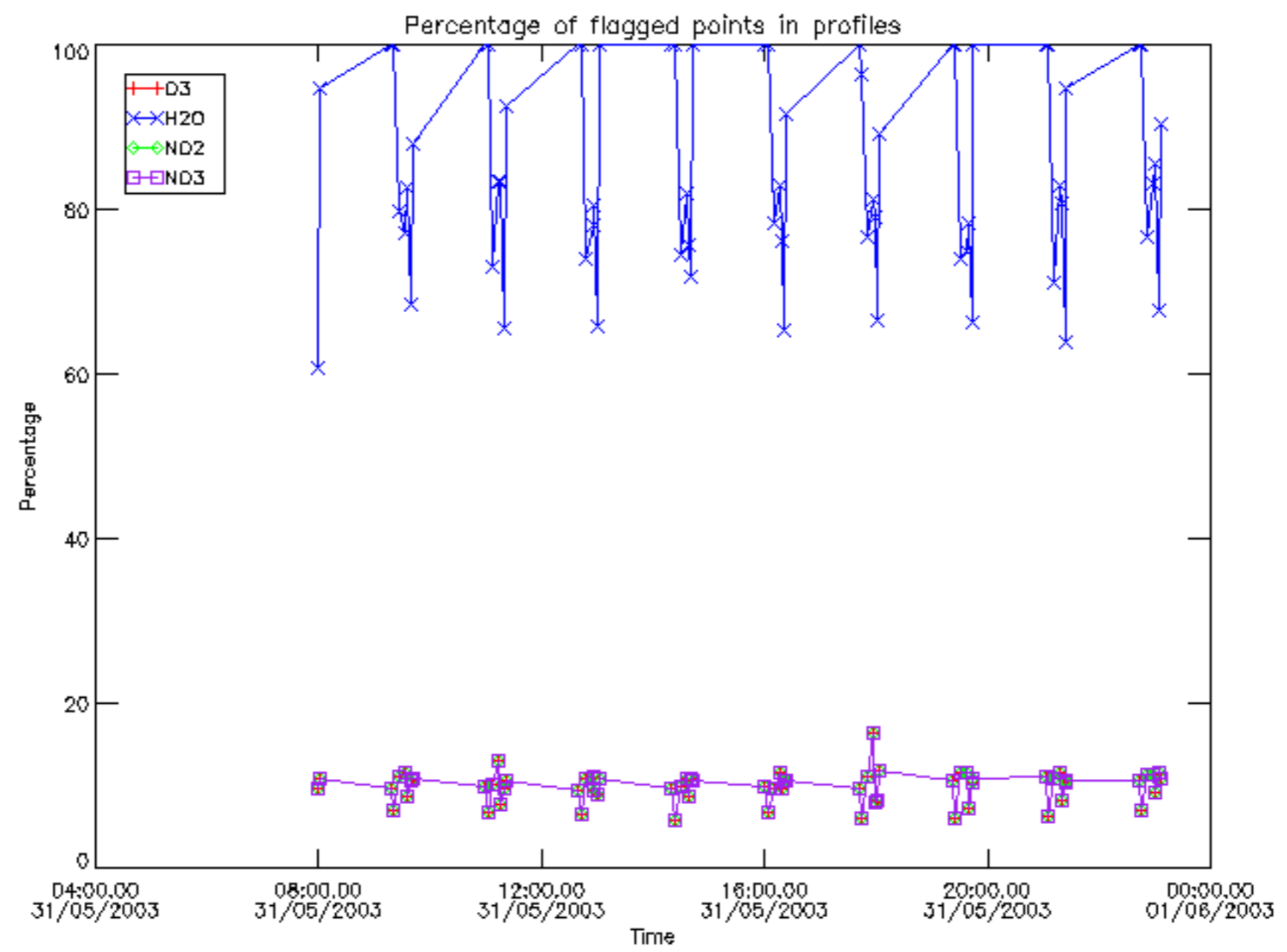




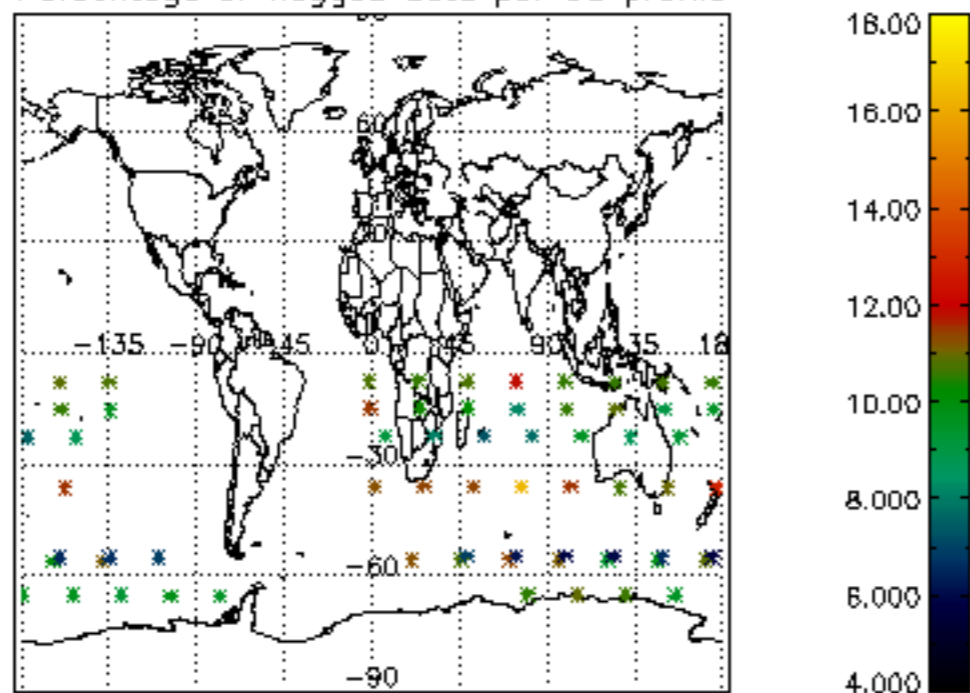
## 6. Auxiliary Data Files used for the production reported in section 2

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.

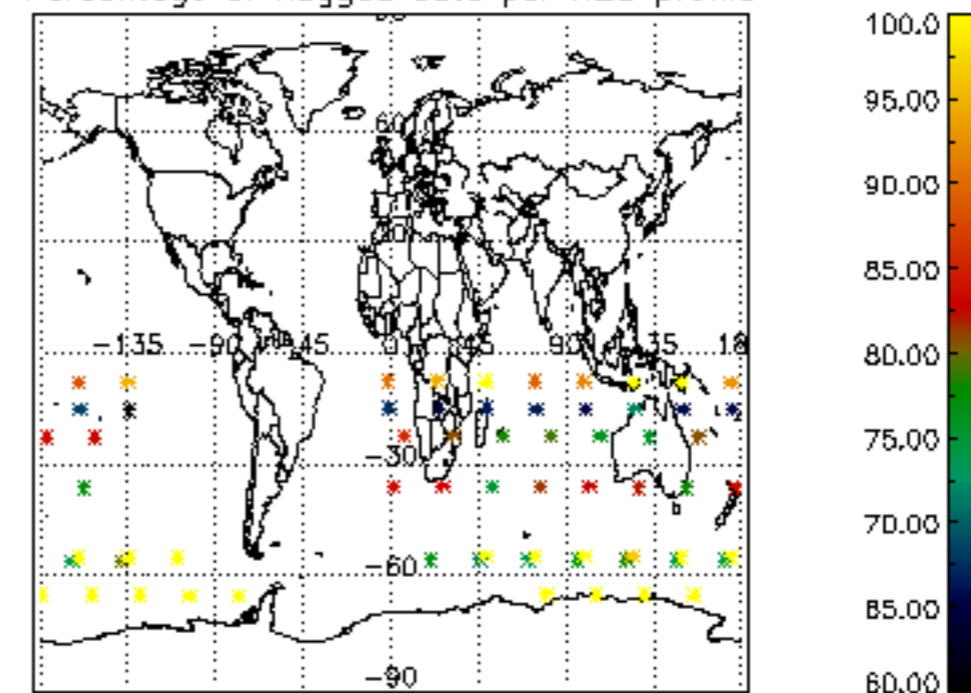
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150440_20020301_000000_20100101_000000	1	31-MAY-2003 07:58:24
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	31-MAY-2003 07:58:24
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	31-MAY-2003 07:58:24



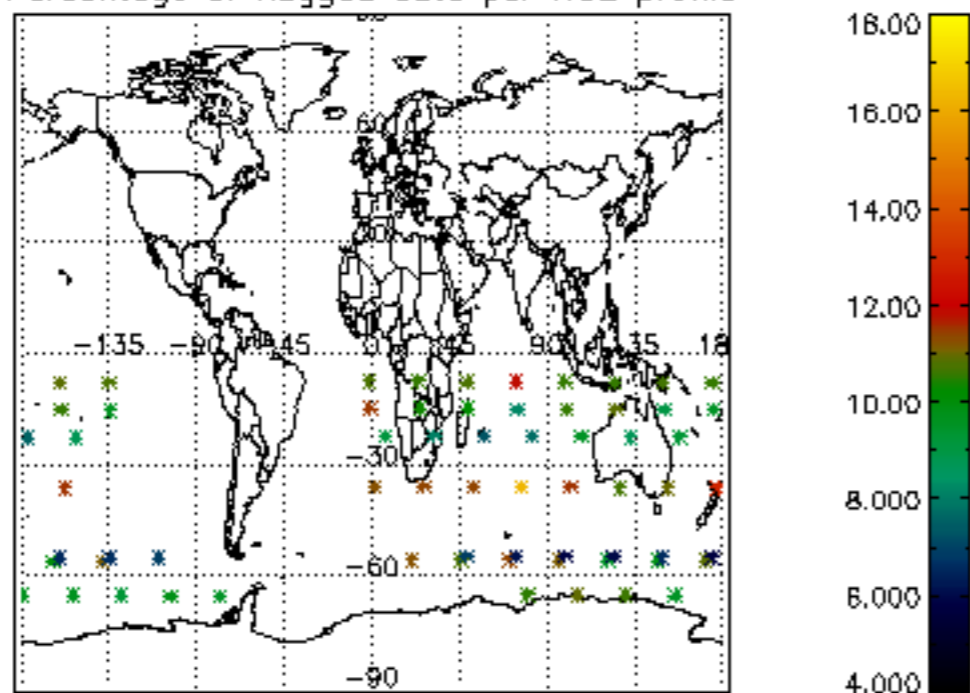
Percentage of flagged data per D3 profile



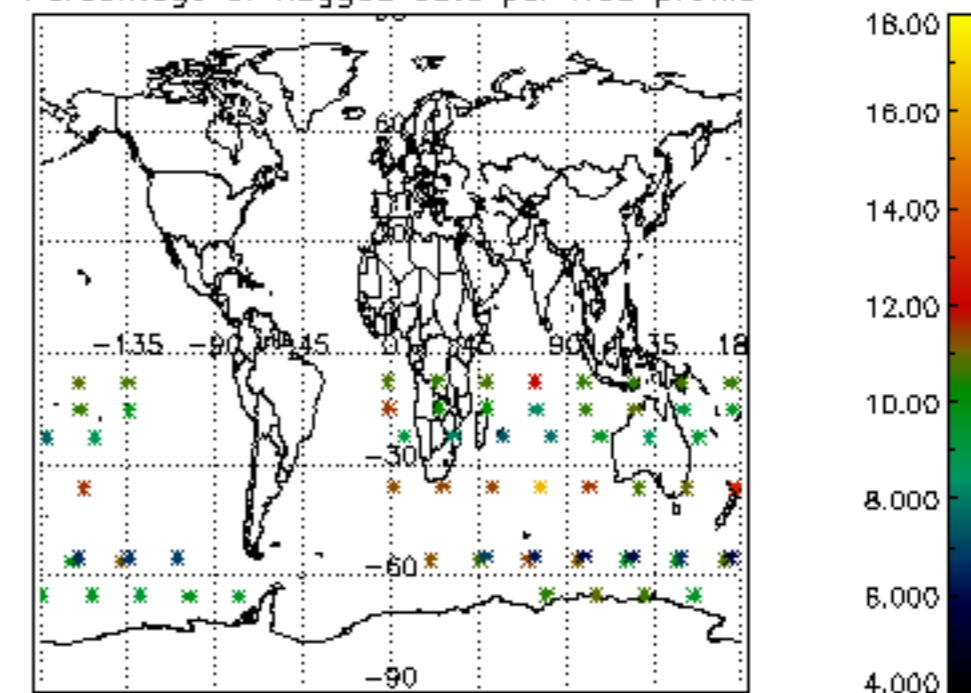
Percentage of flagged data per H2O profile

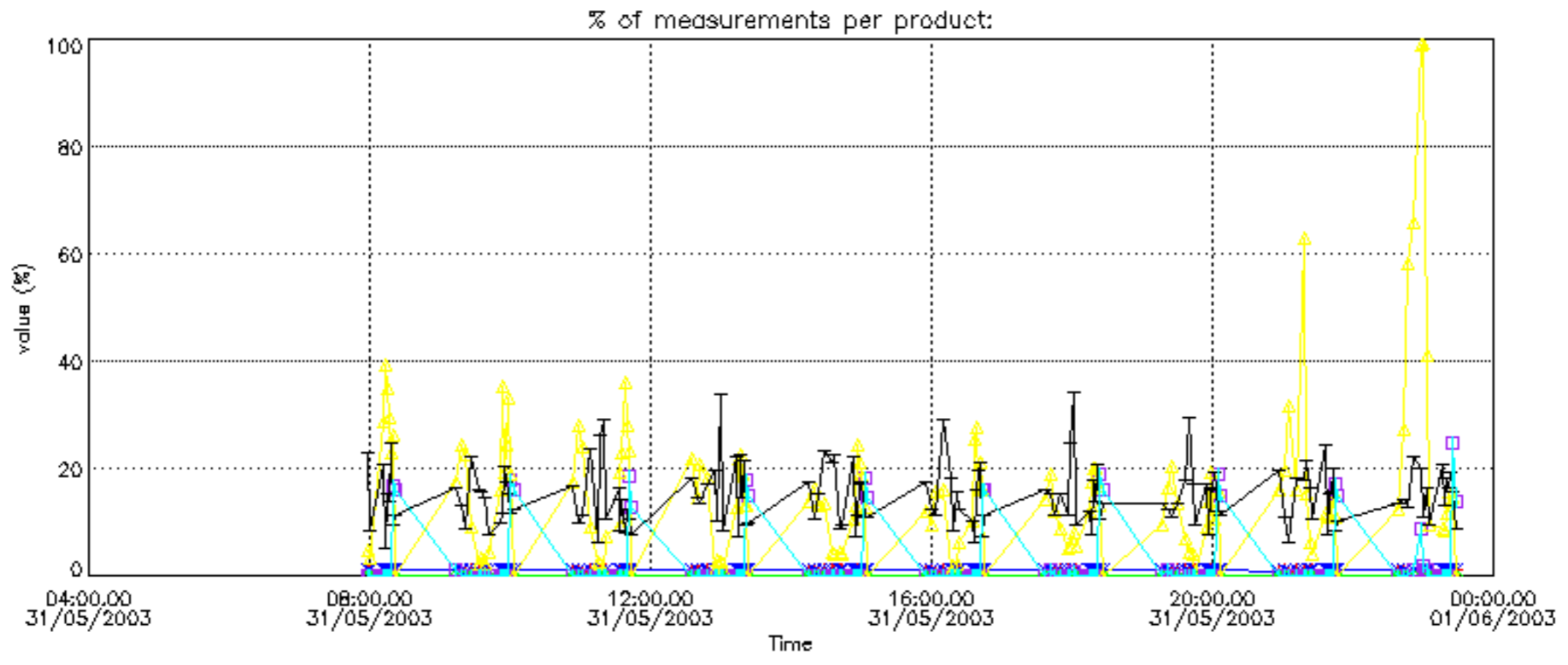


Percentage of flagged data per NO2 profile

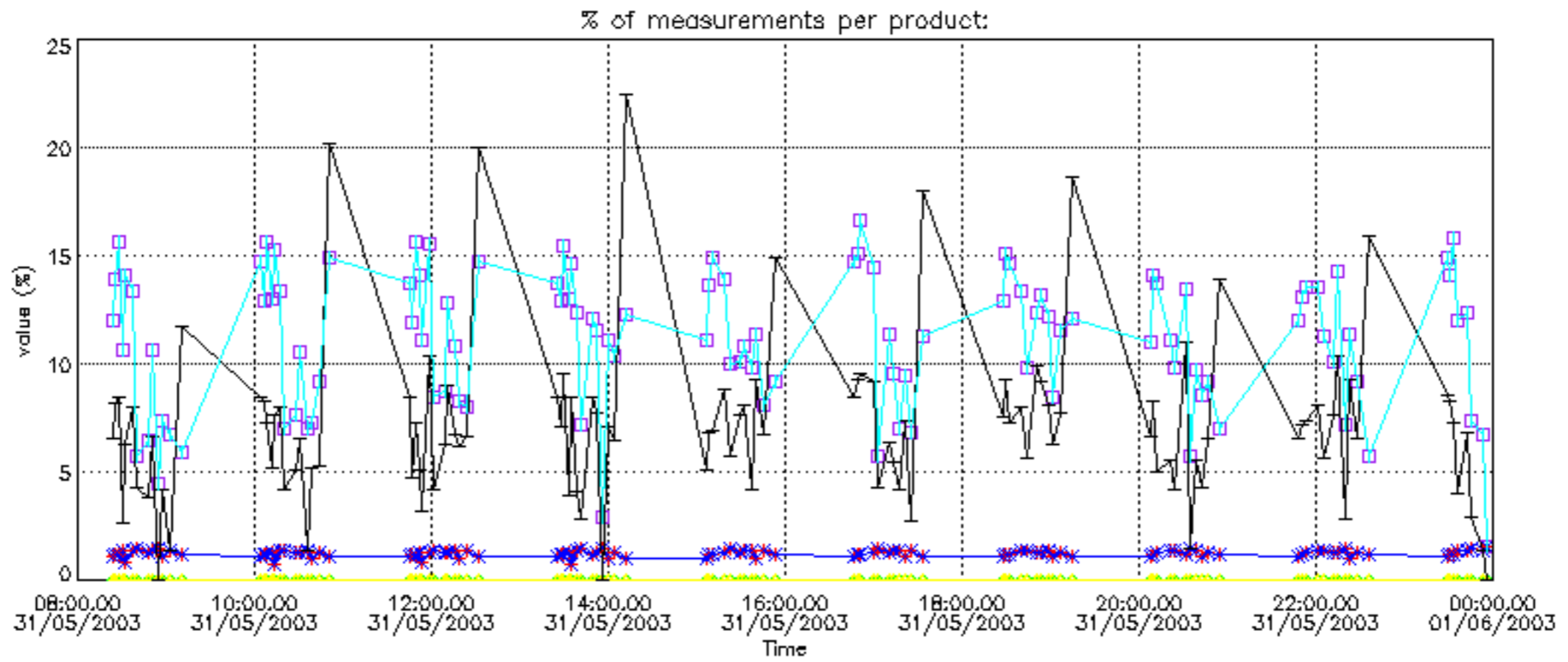


Percentage of flagged data per NO3 profile

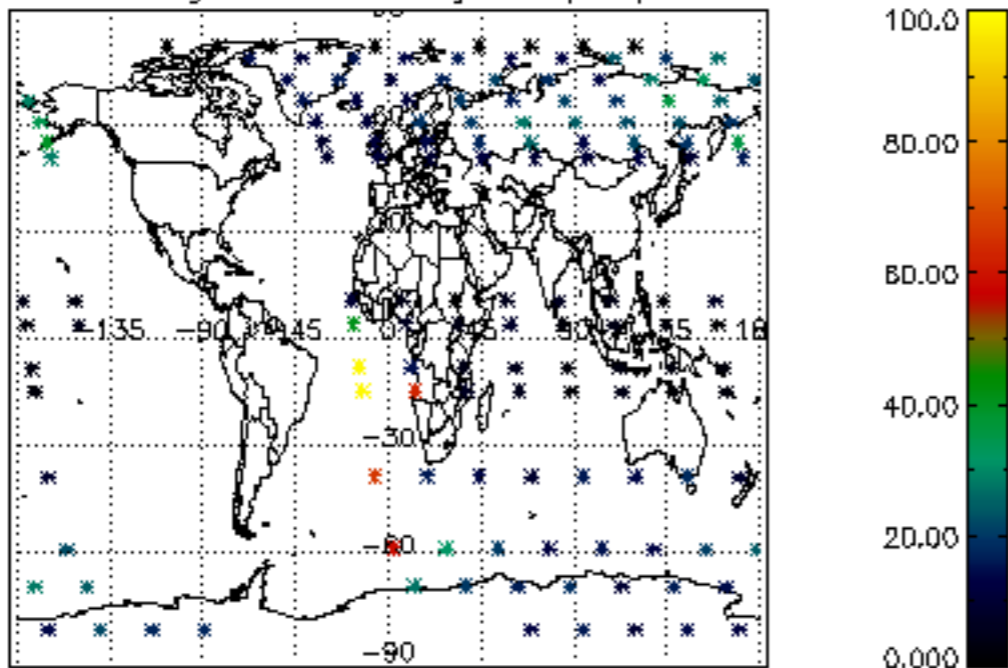




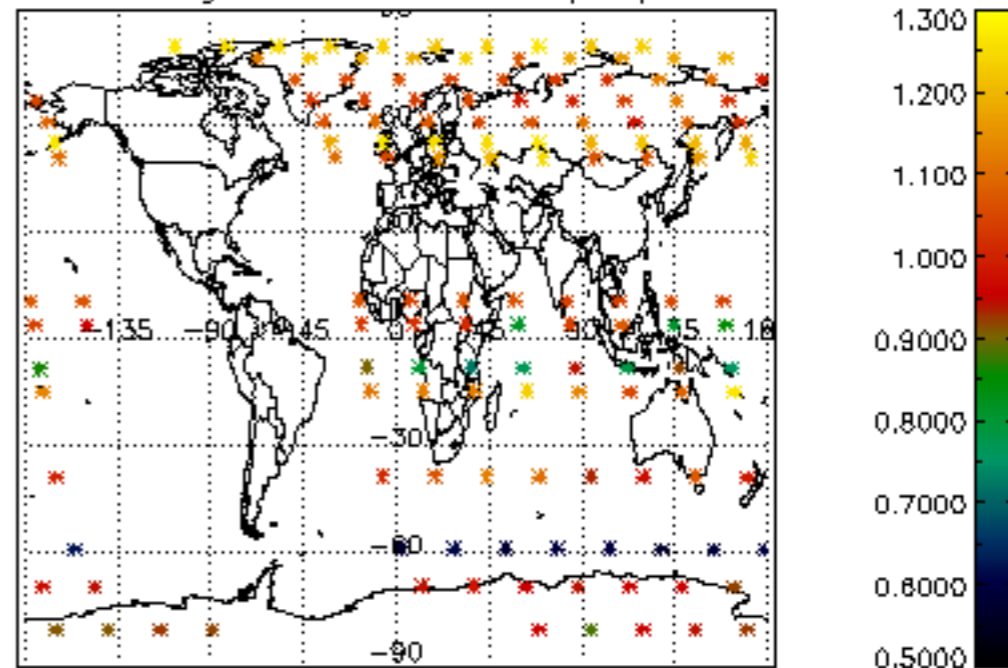




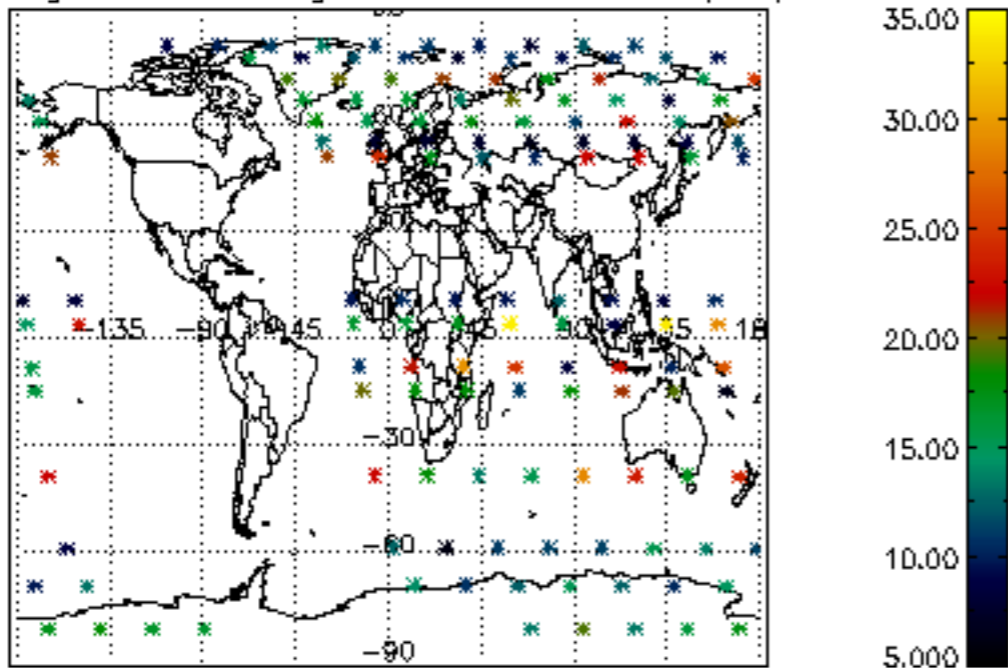
Percentage of cosmic ray hits per profile



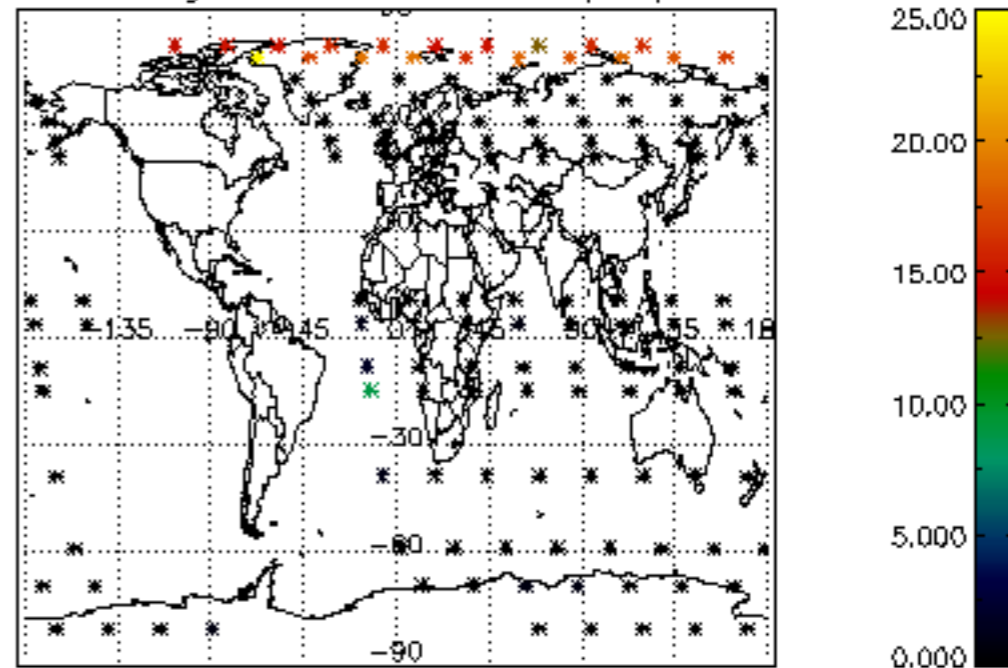
Percentage of datation errors per profile



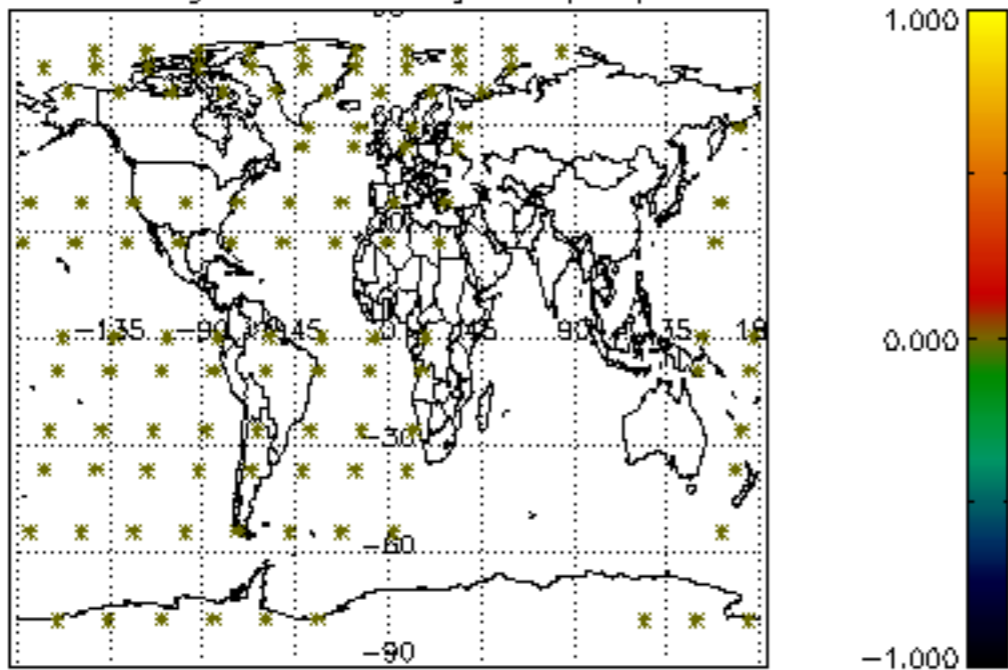
Percentage of star falling outside central band per profile



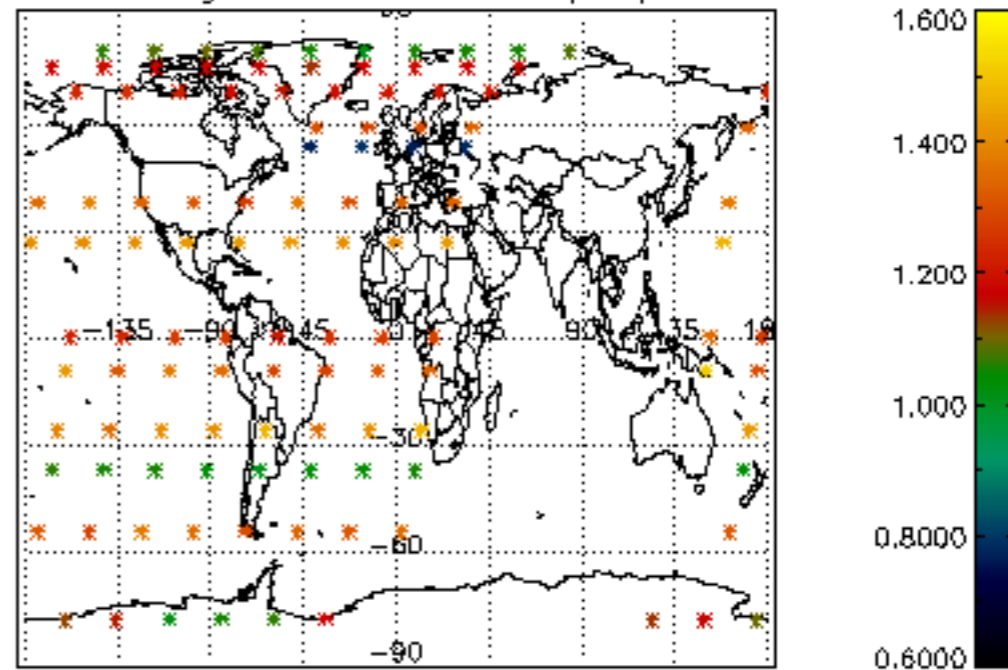
Percentage of saturation errors per profile



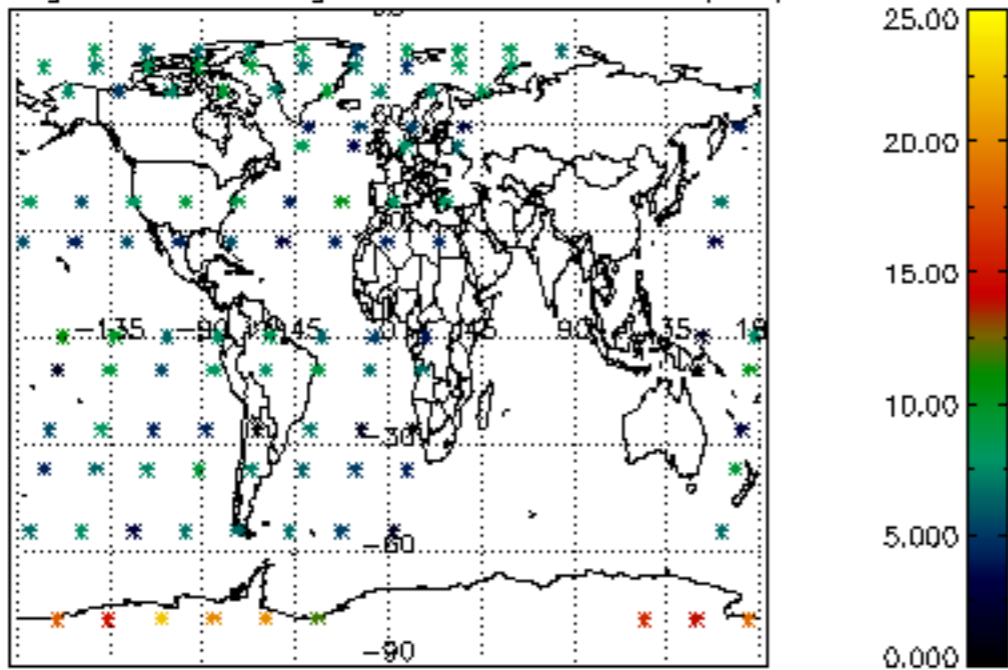
Percentage of cosmic ray hits per profile



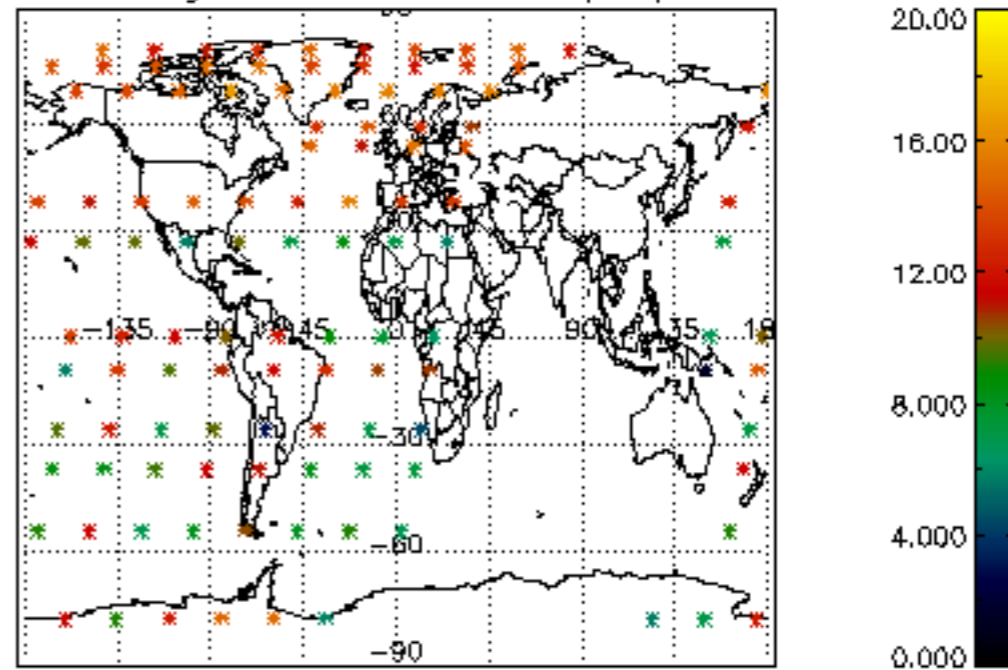
Percentage of datation errors per profile

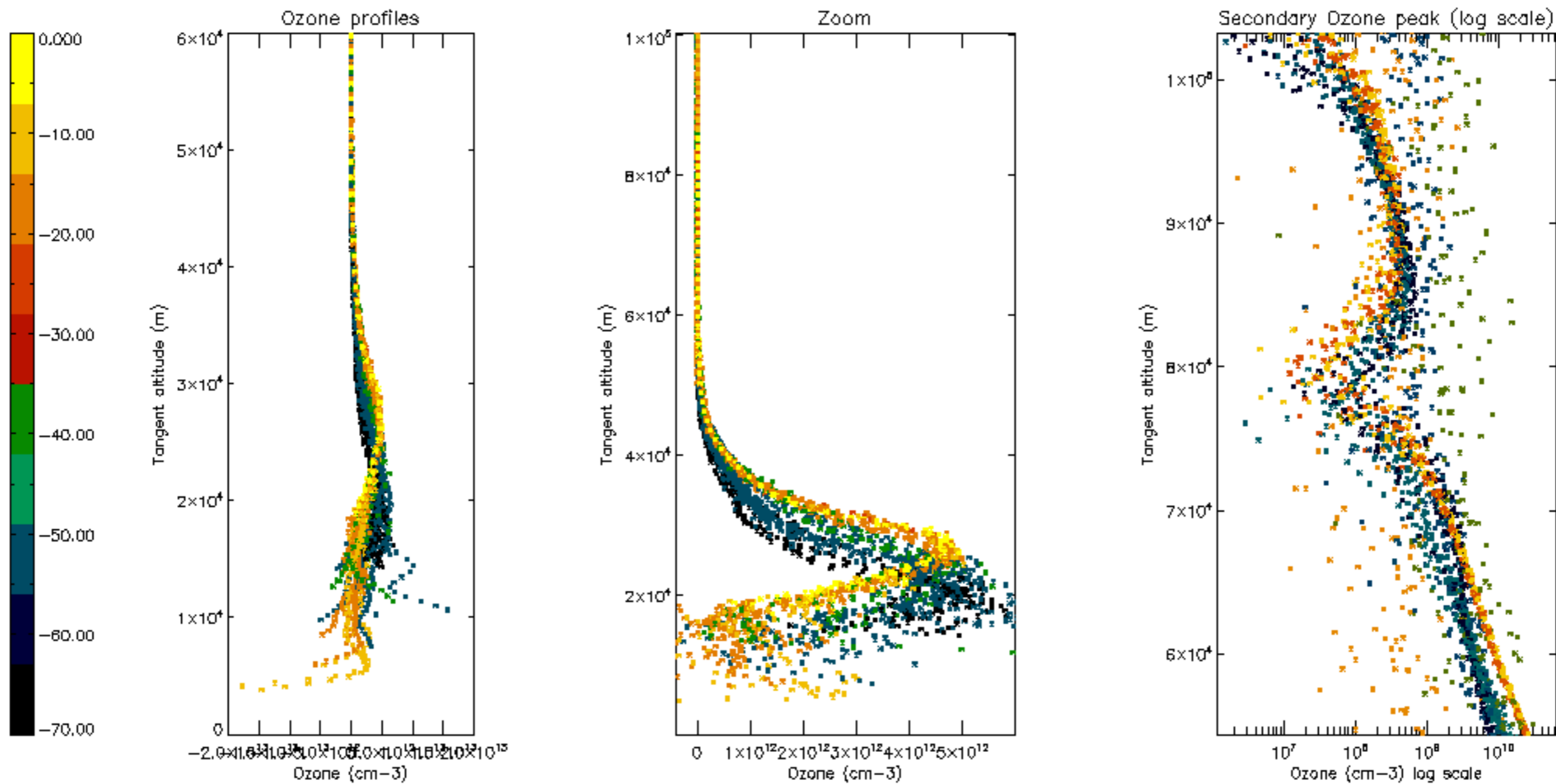


Percentage of star falling outside central band per profile

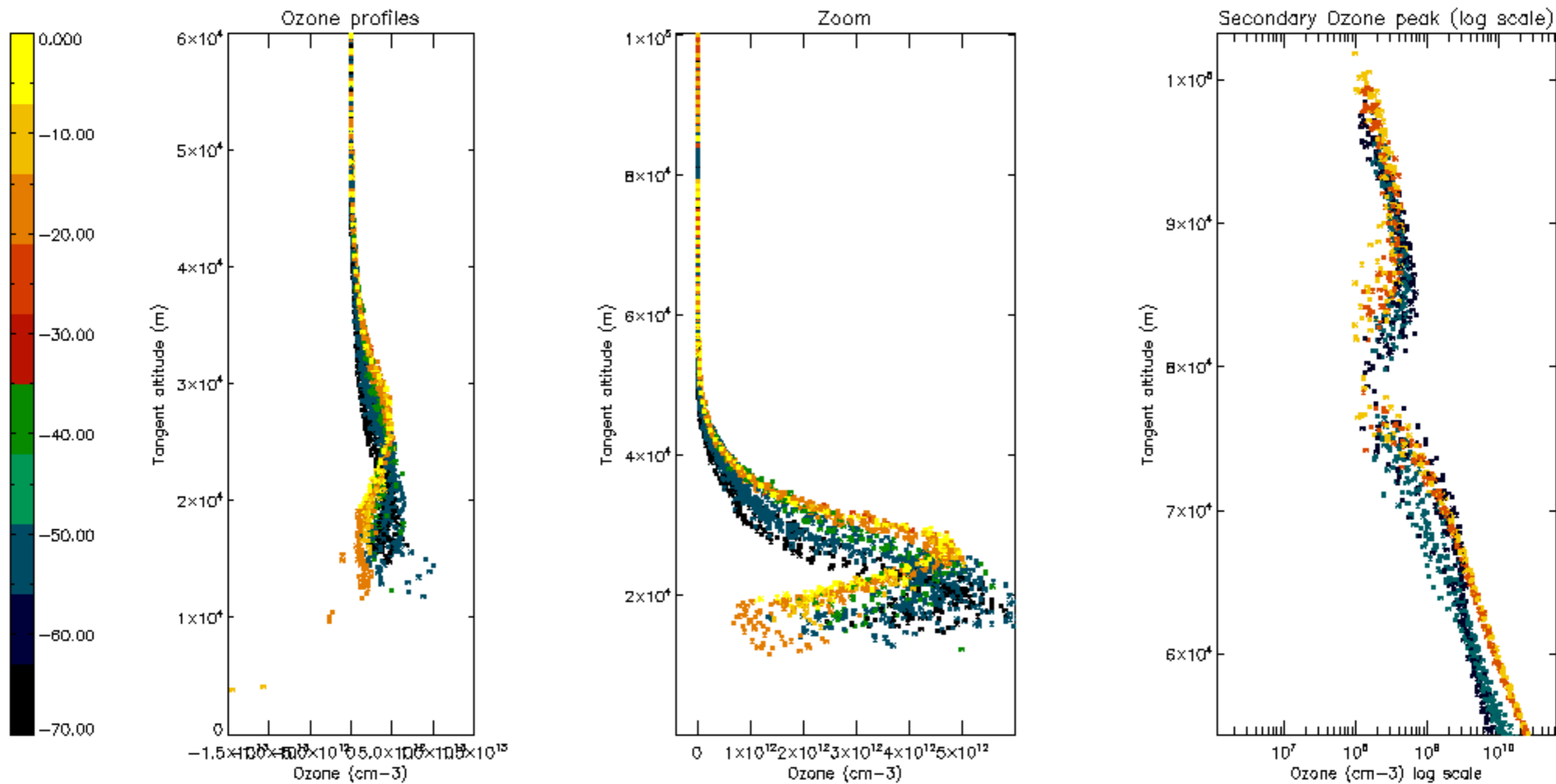


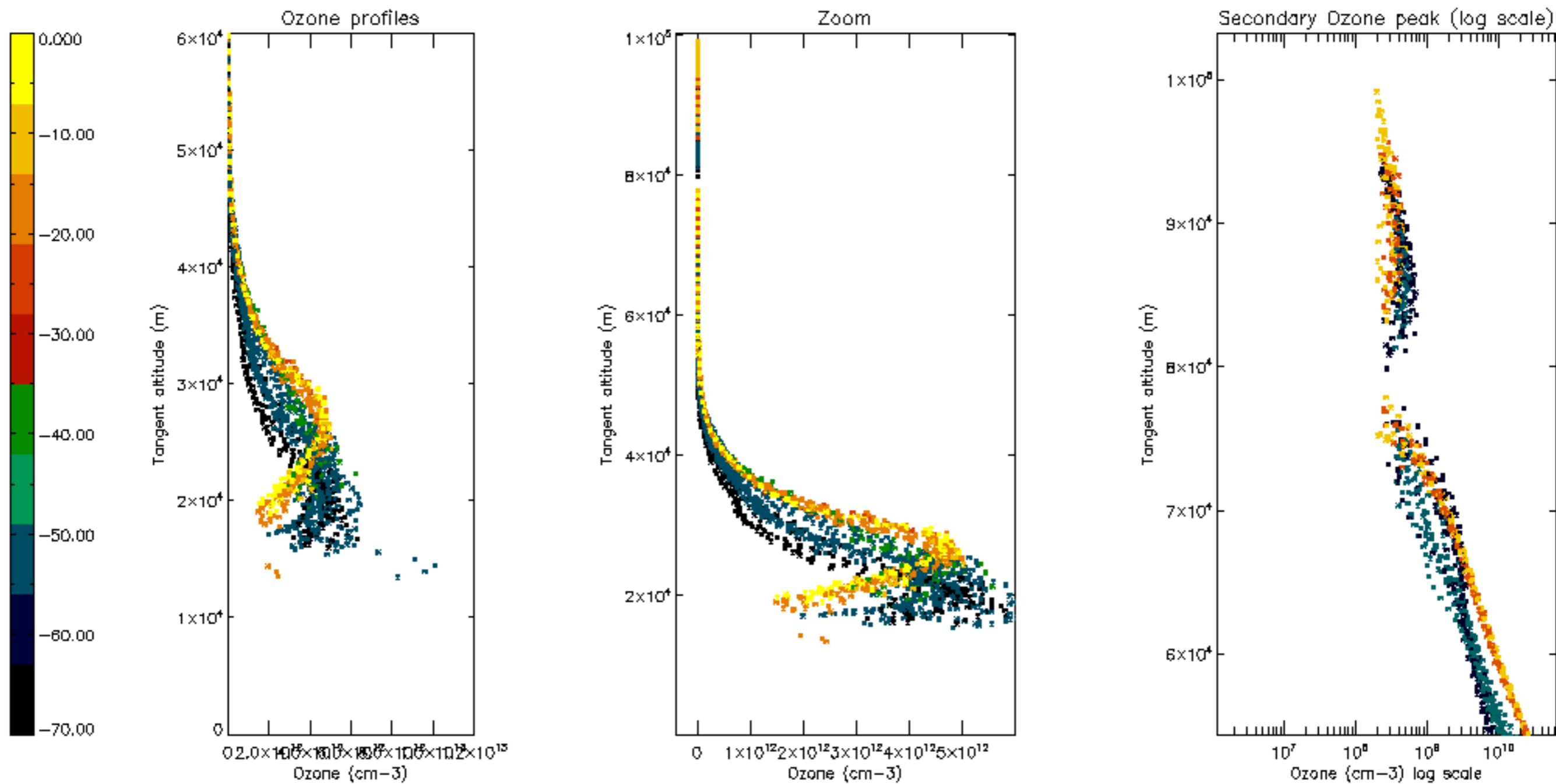
Percentage of saturation errors per profile

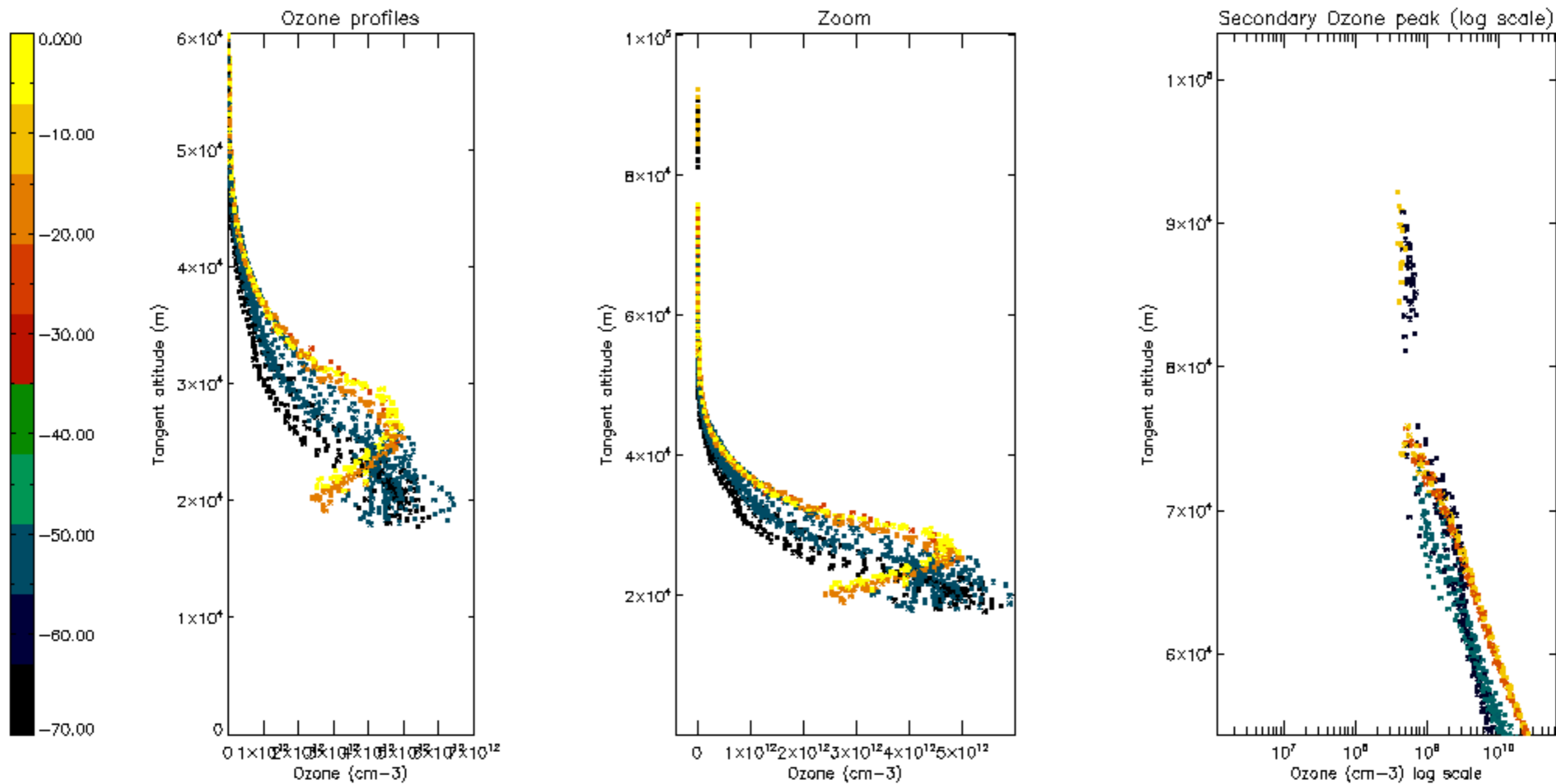


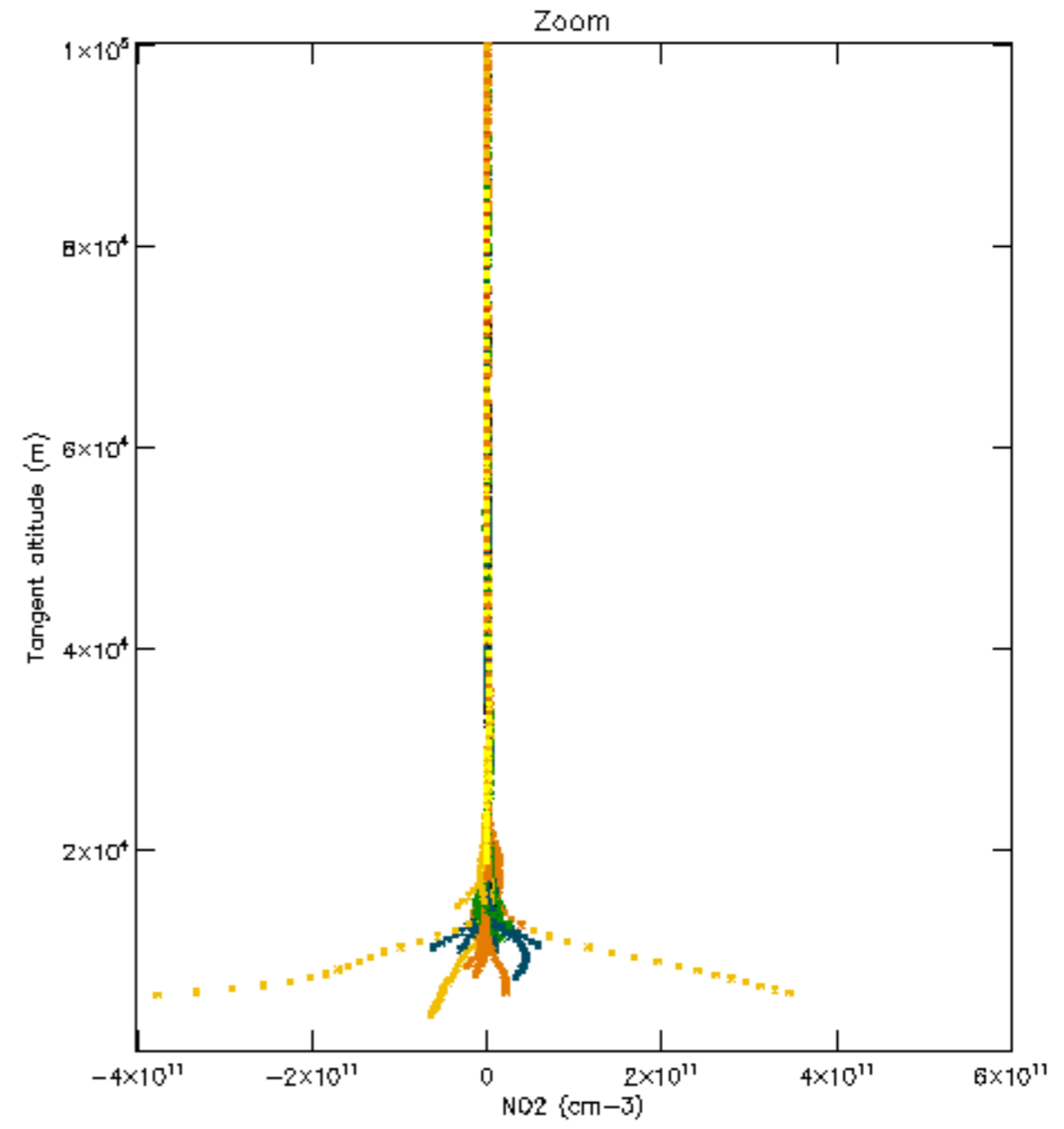
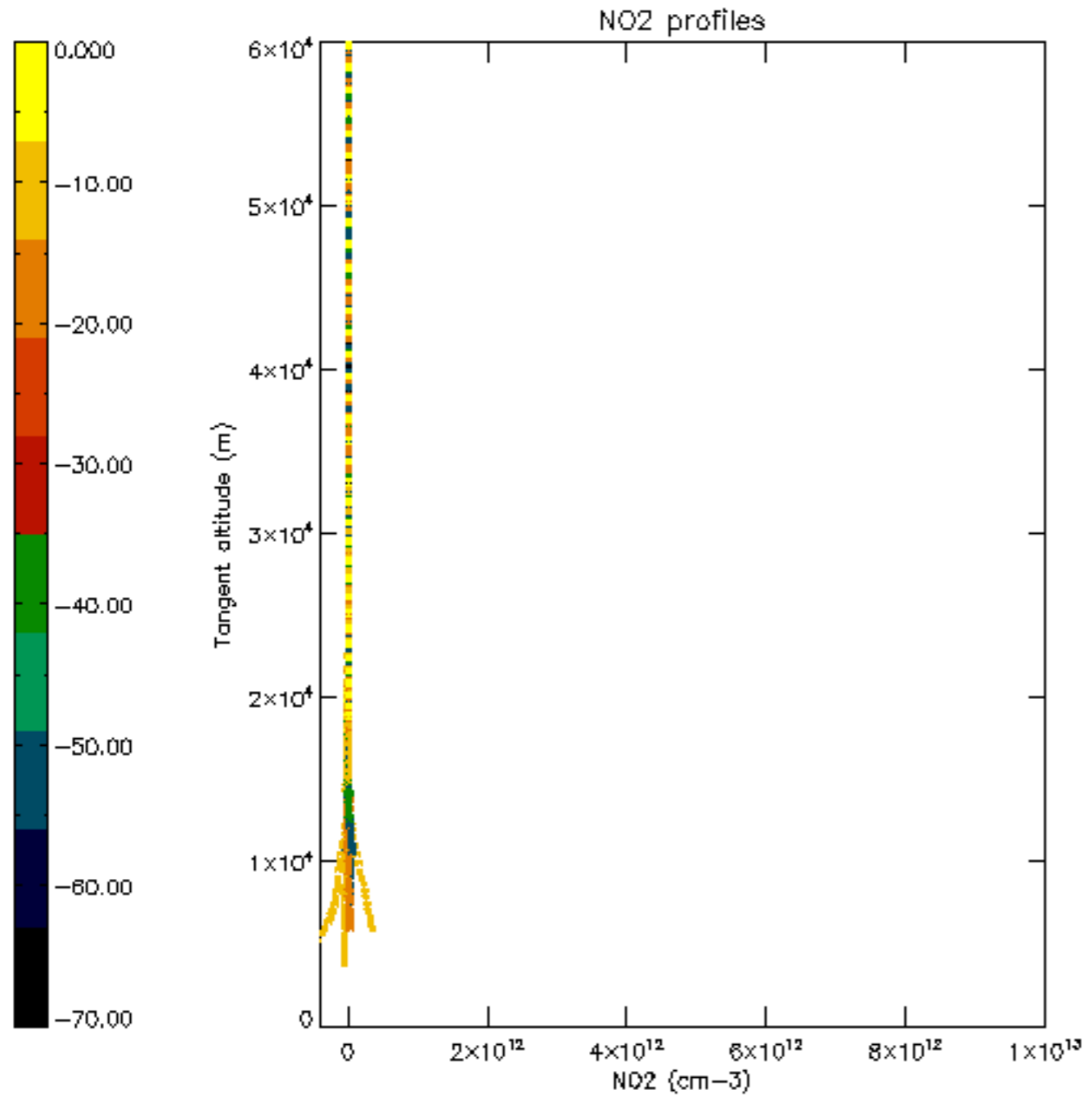




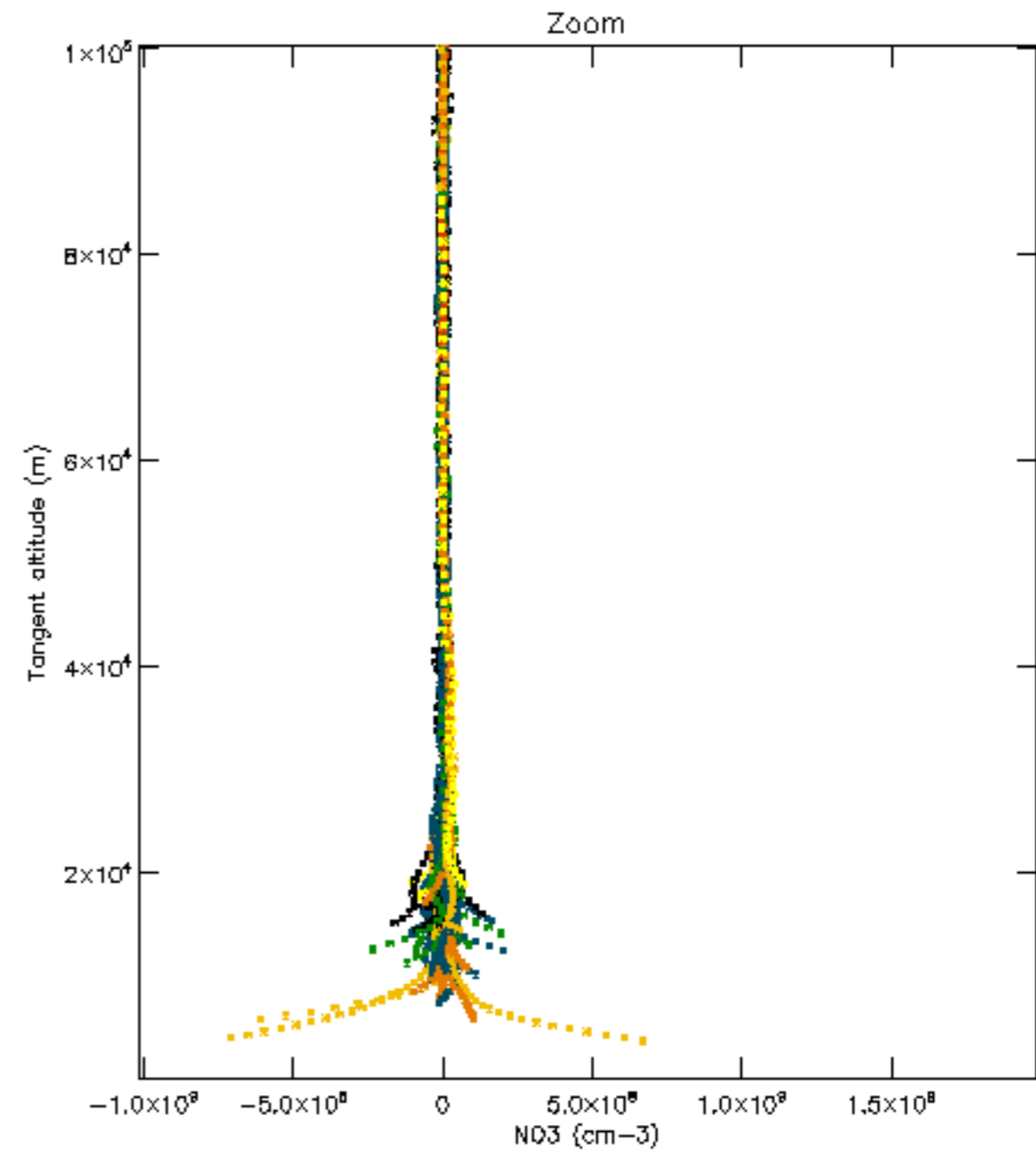
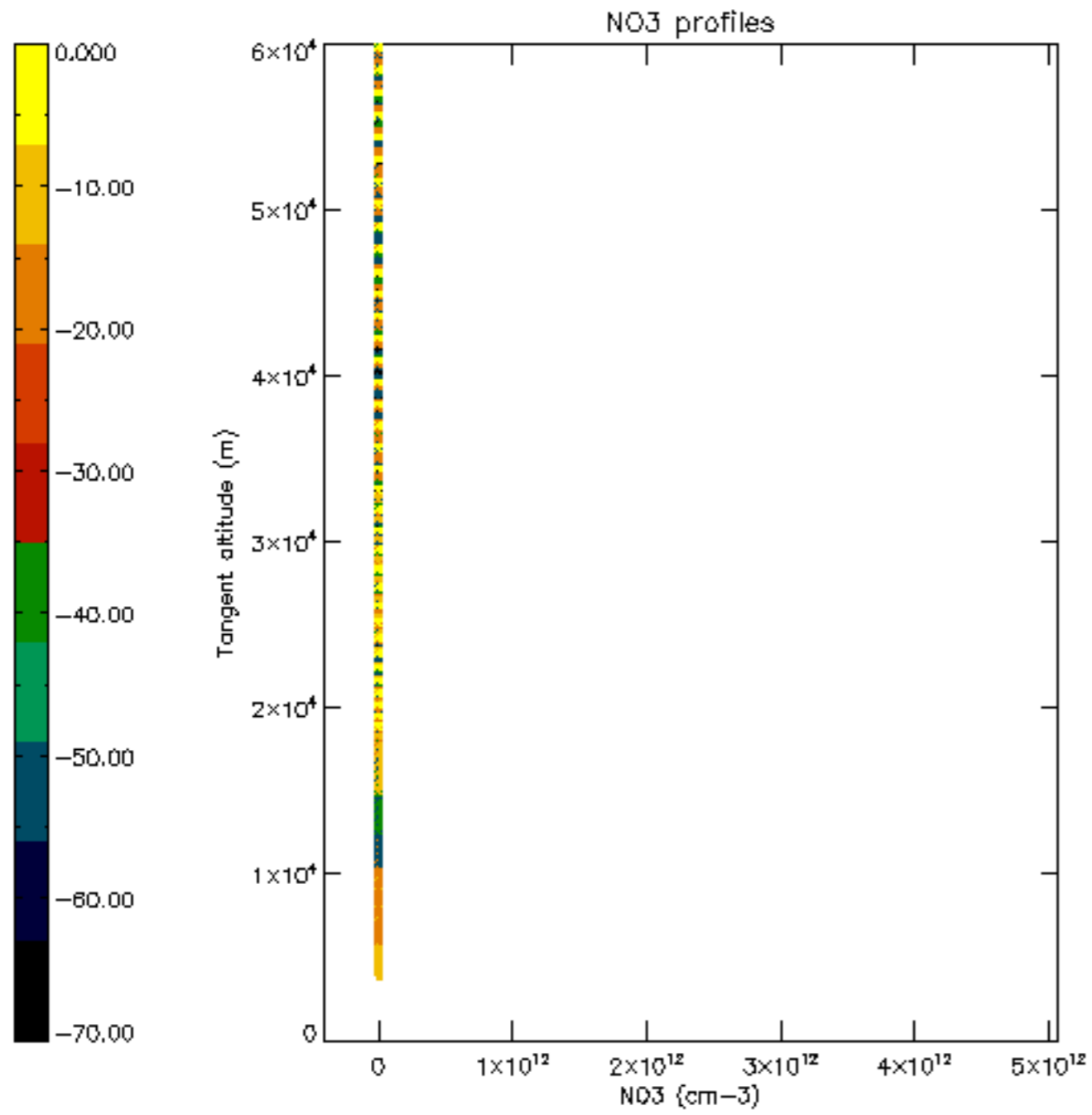


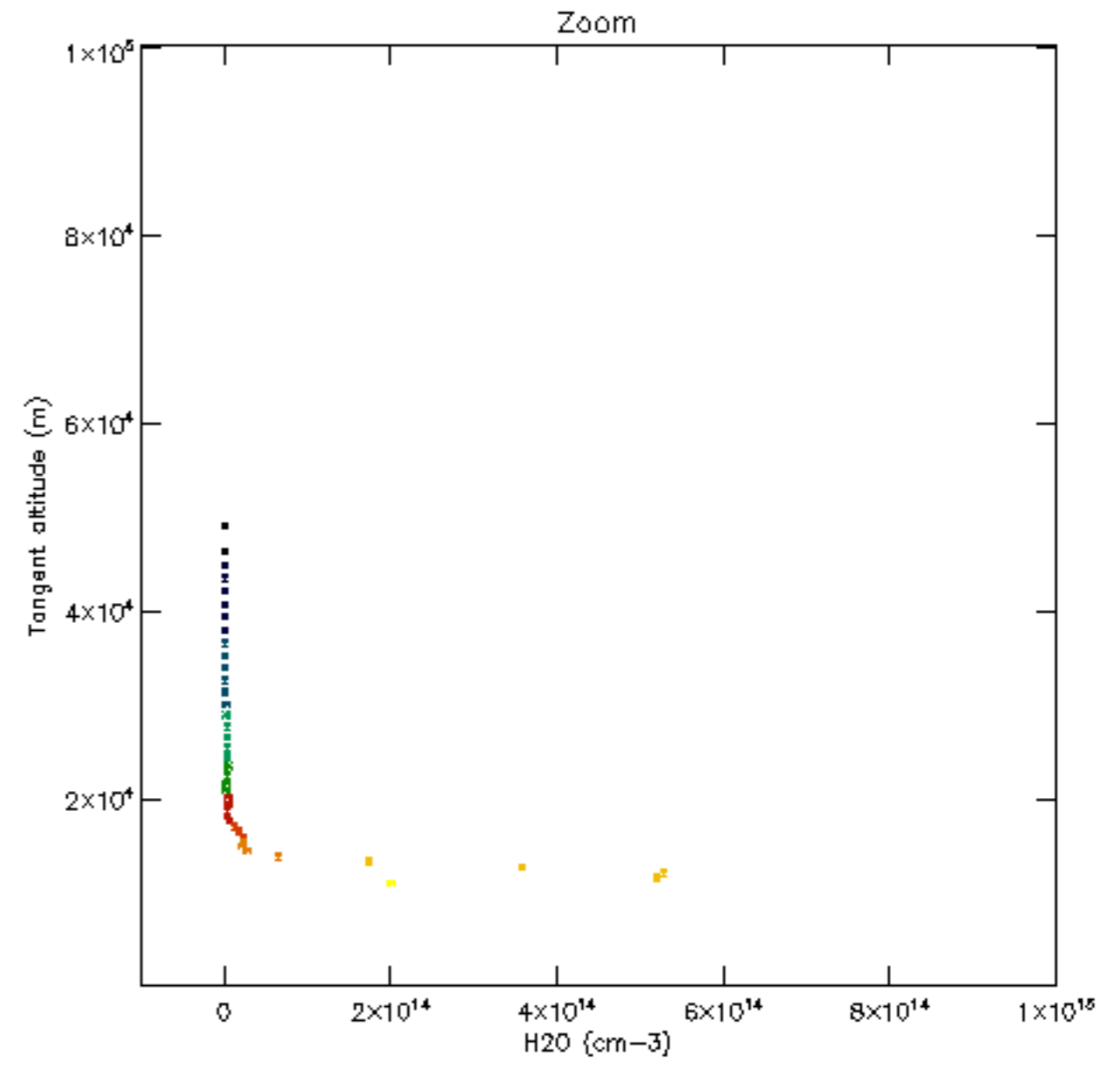
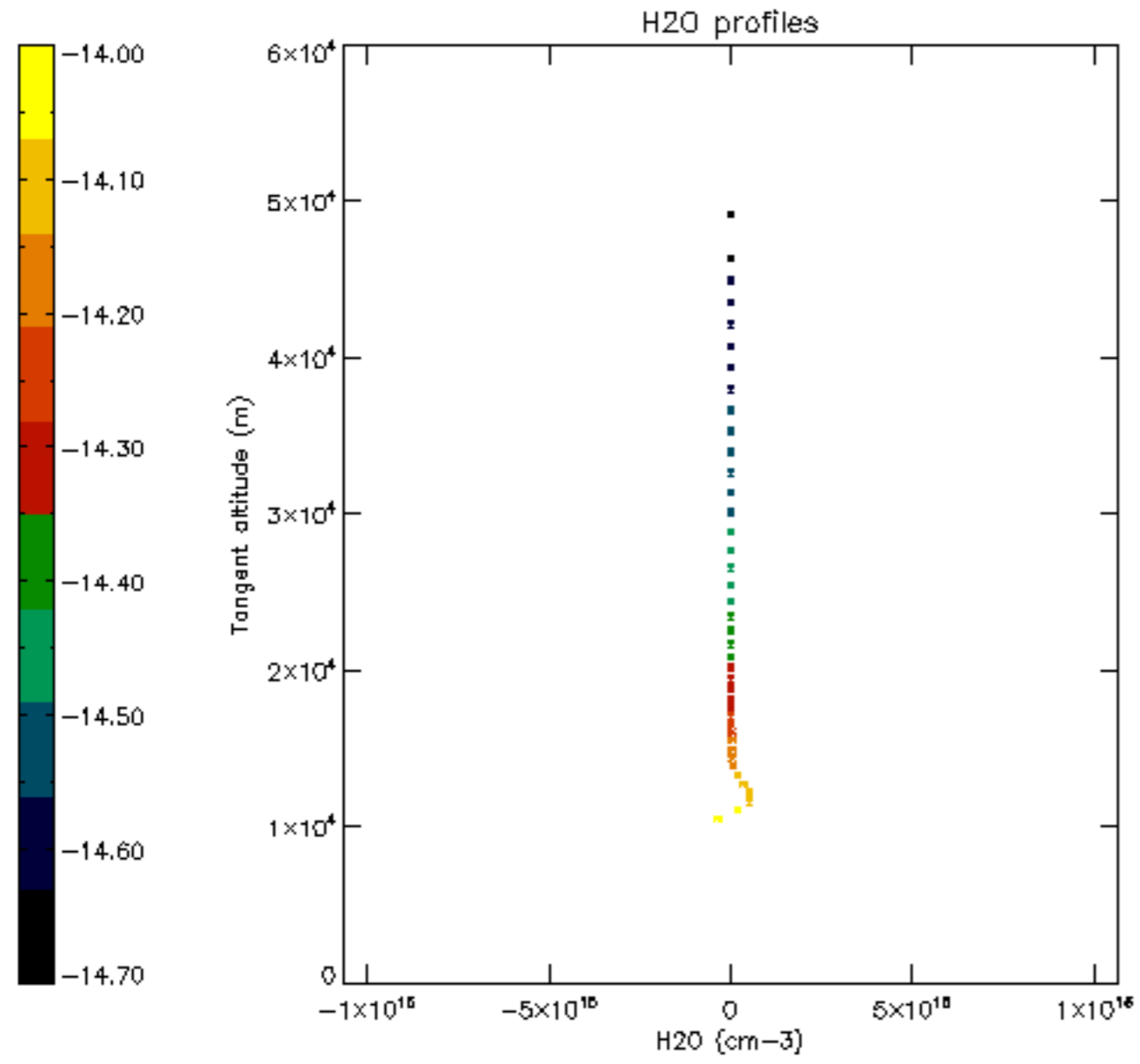


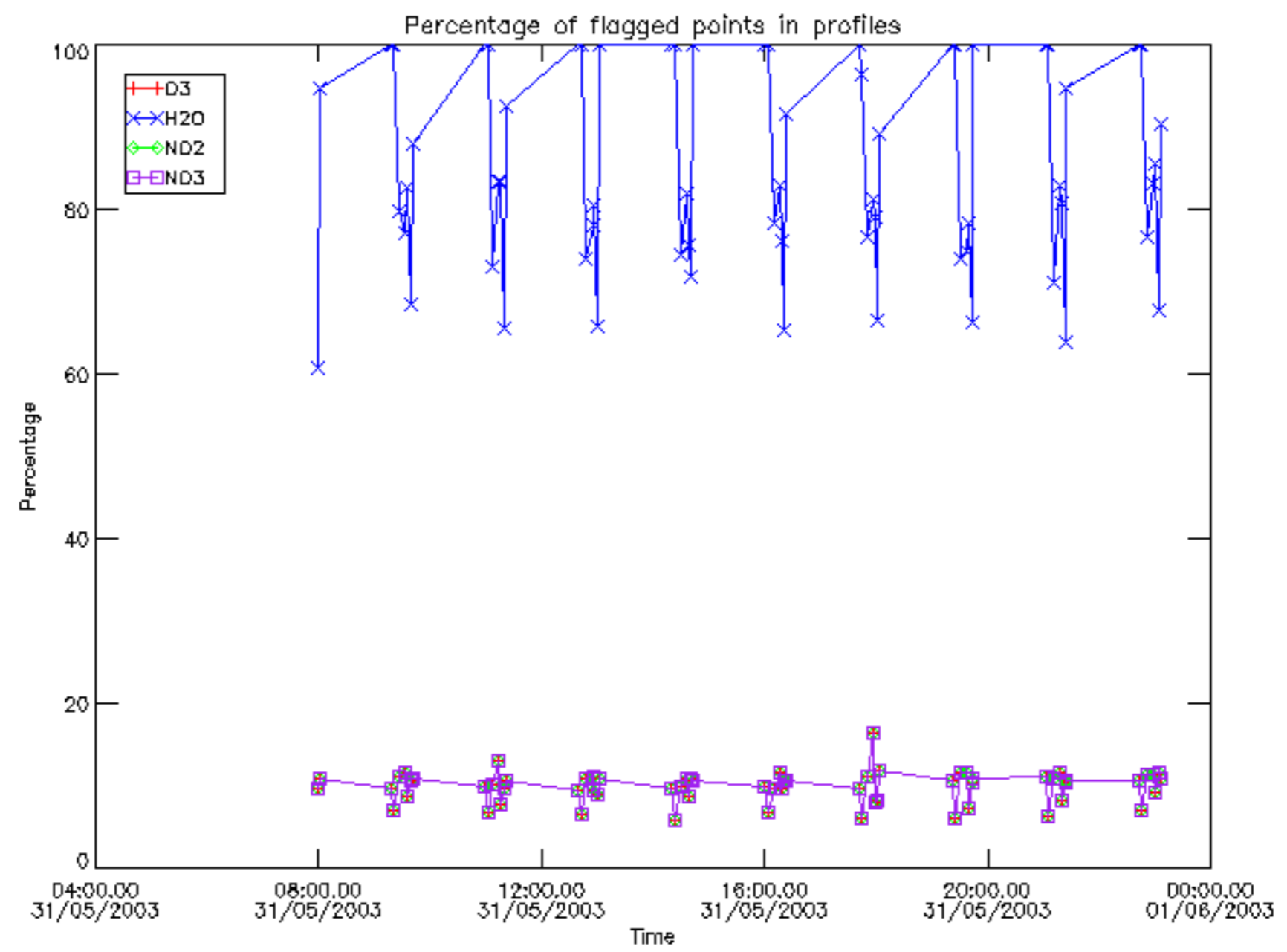




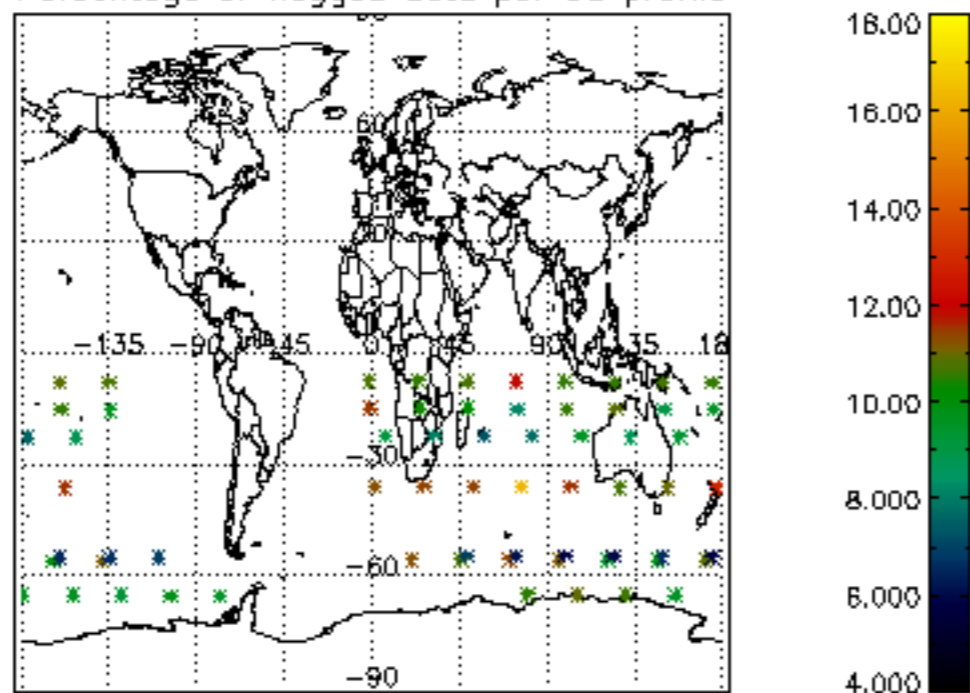




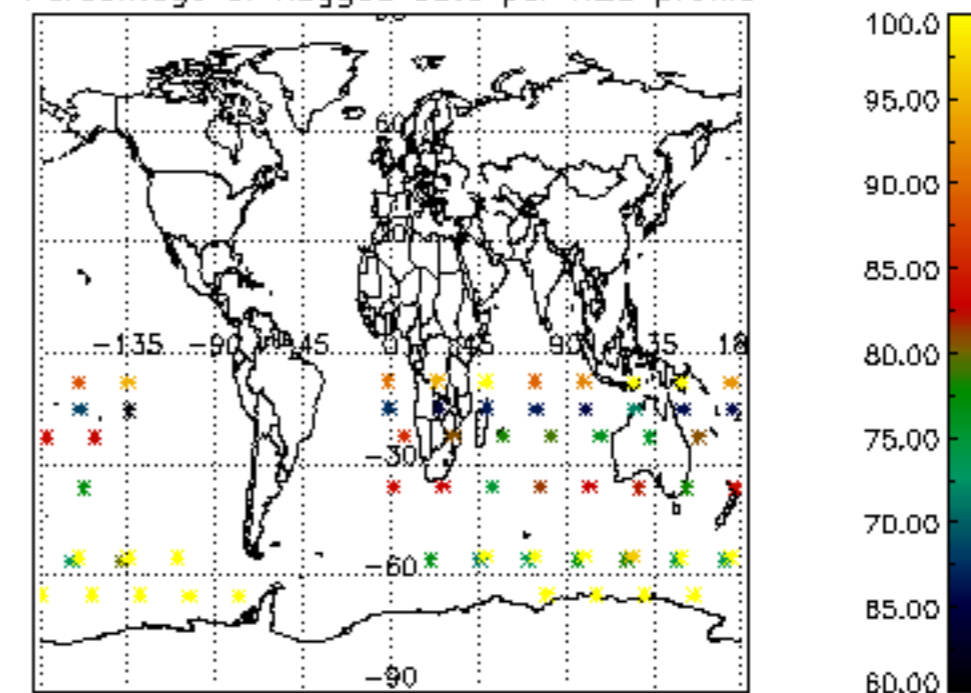




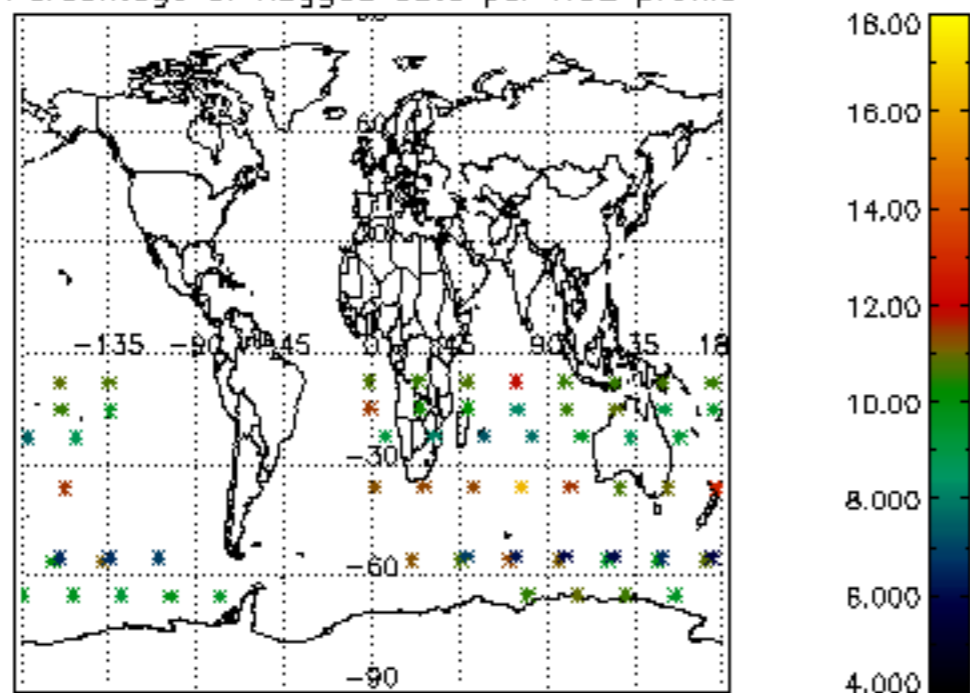
Percentage of flagged data per D3 profile



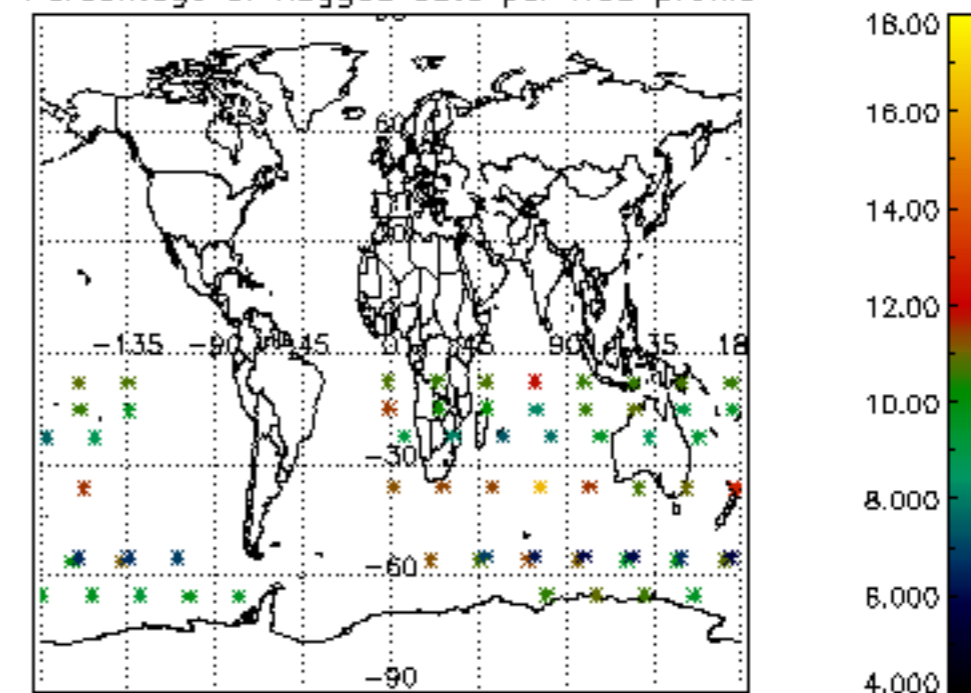
Percentage of flagged data per H2O profile



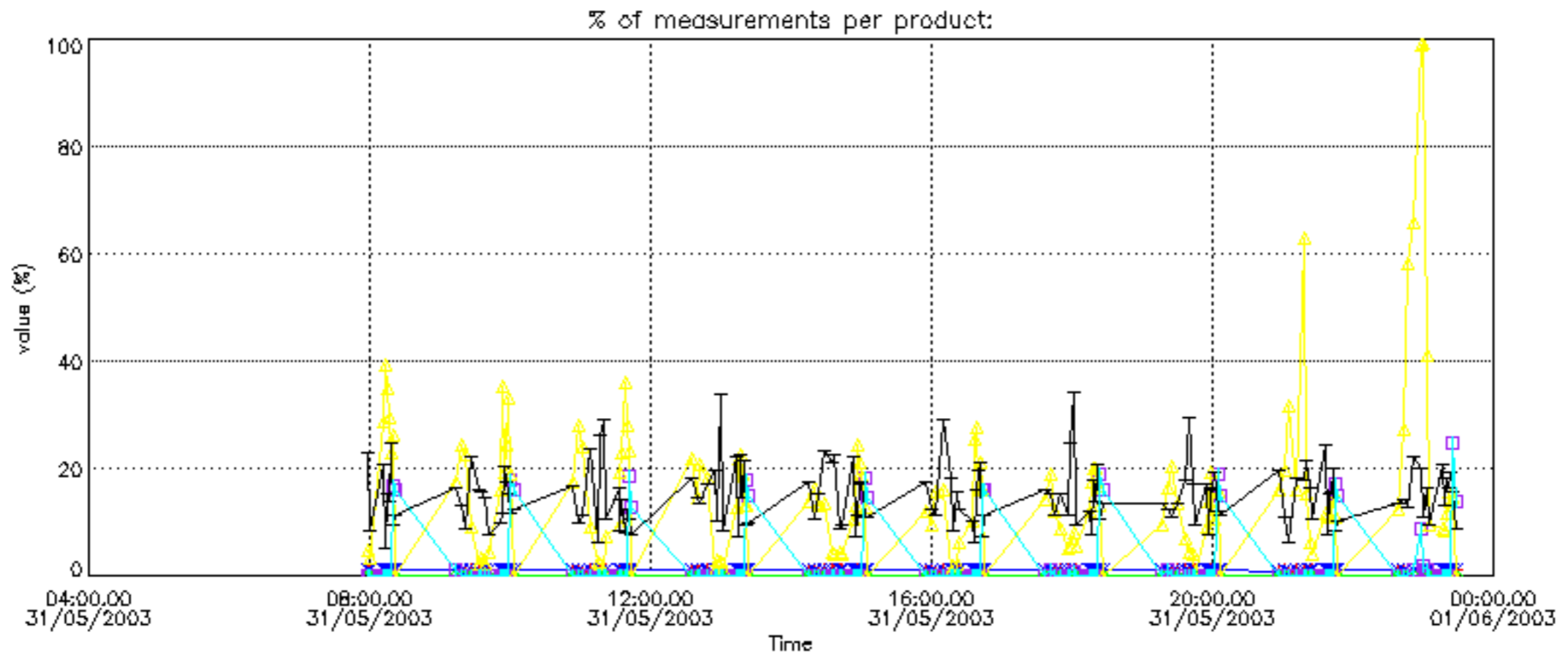
Percentage of flagged data per NO2 profile

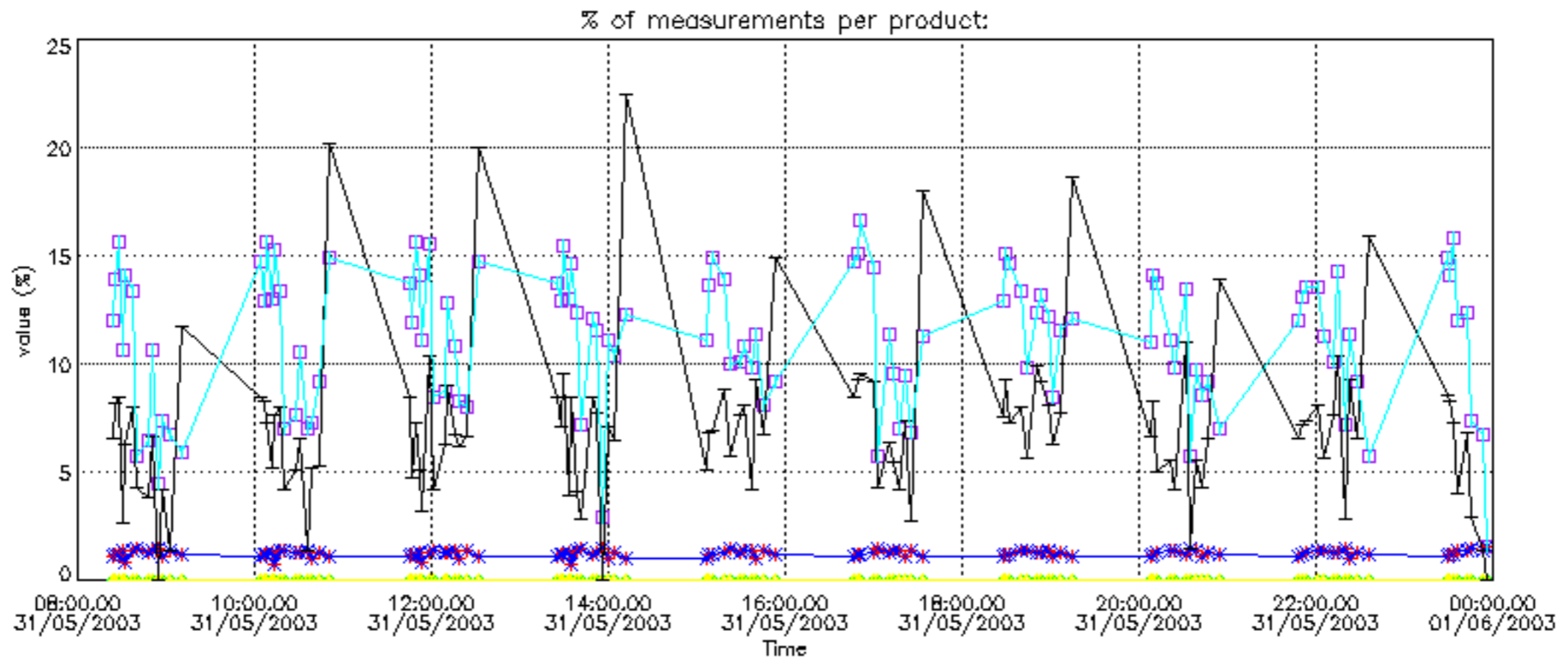


Percentage of flagged data per NO3 profile

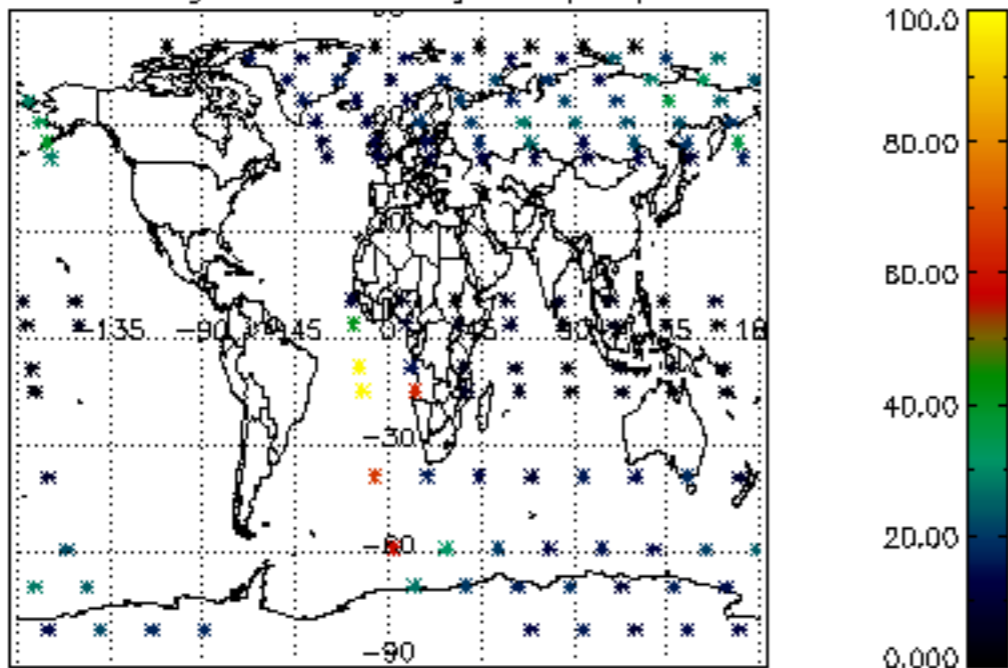




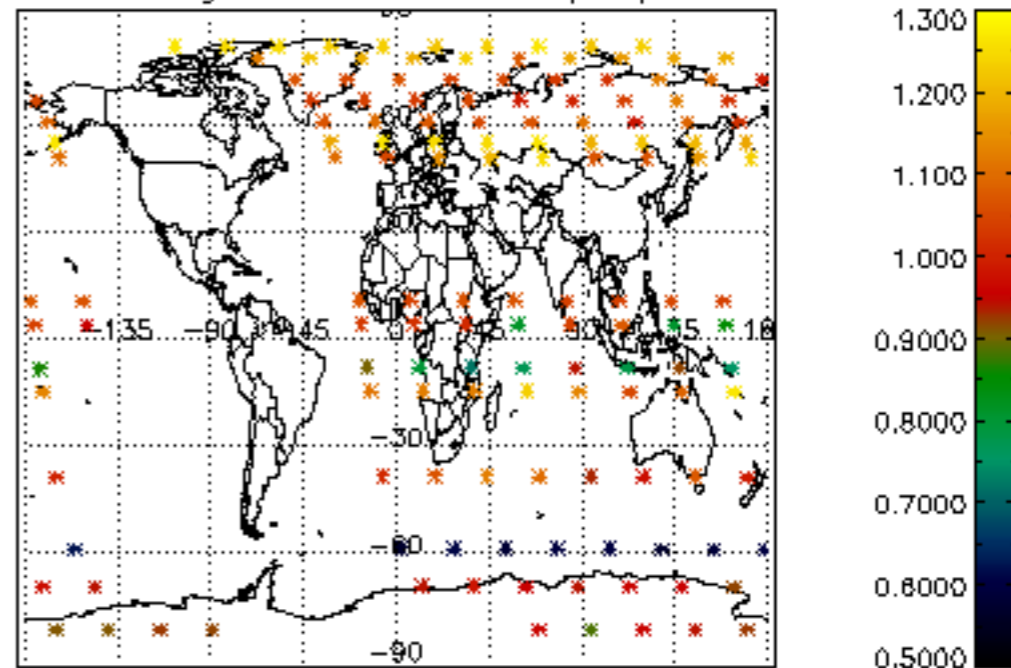




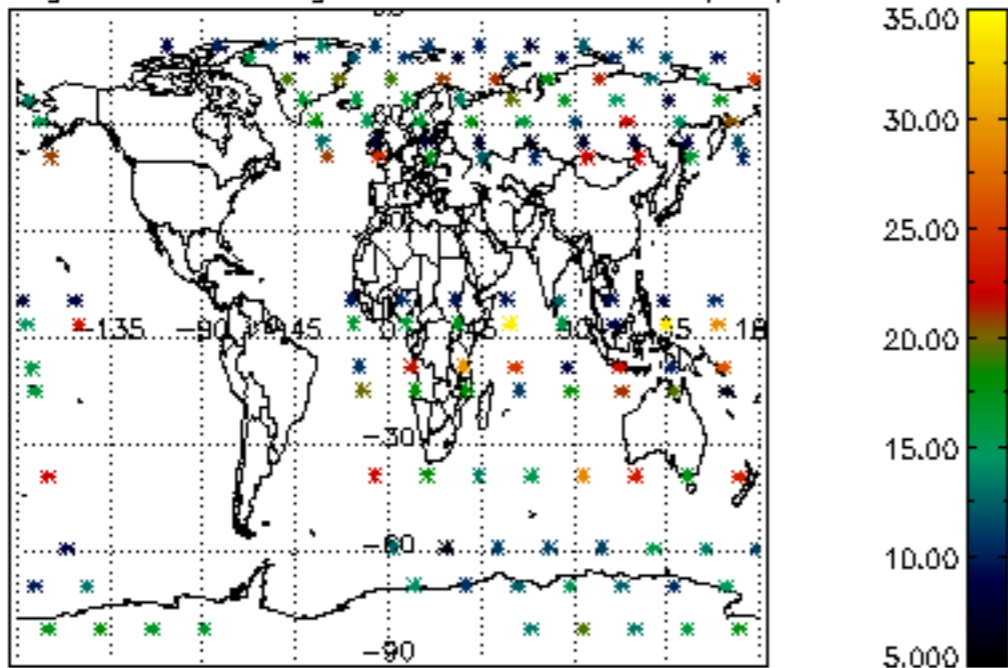
Percentage of cosmic ray hits per profile



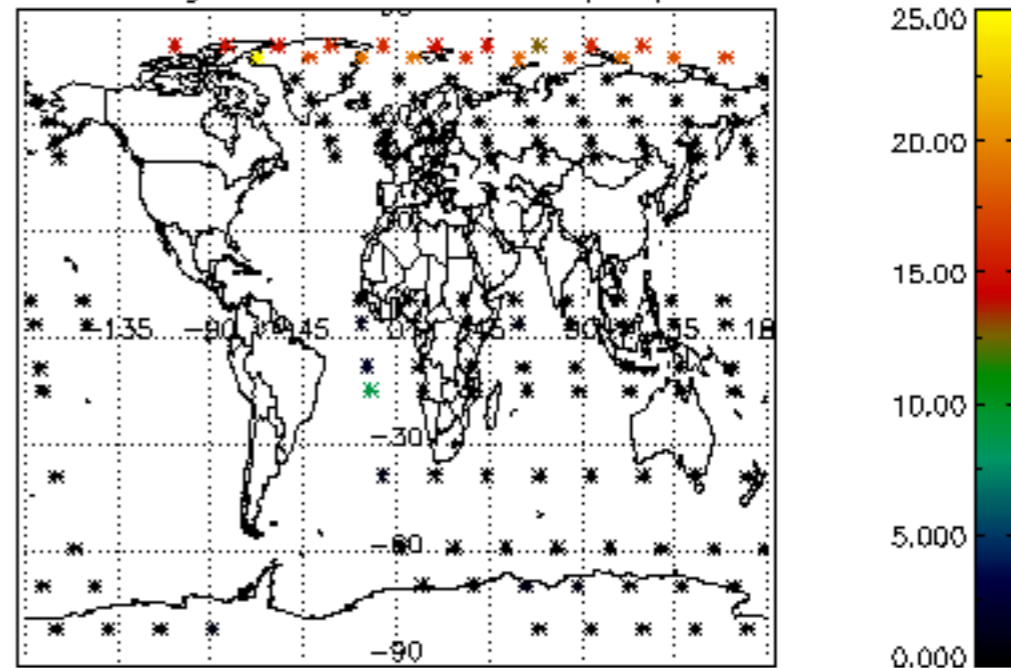
Percentage of datation errors per profile



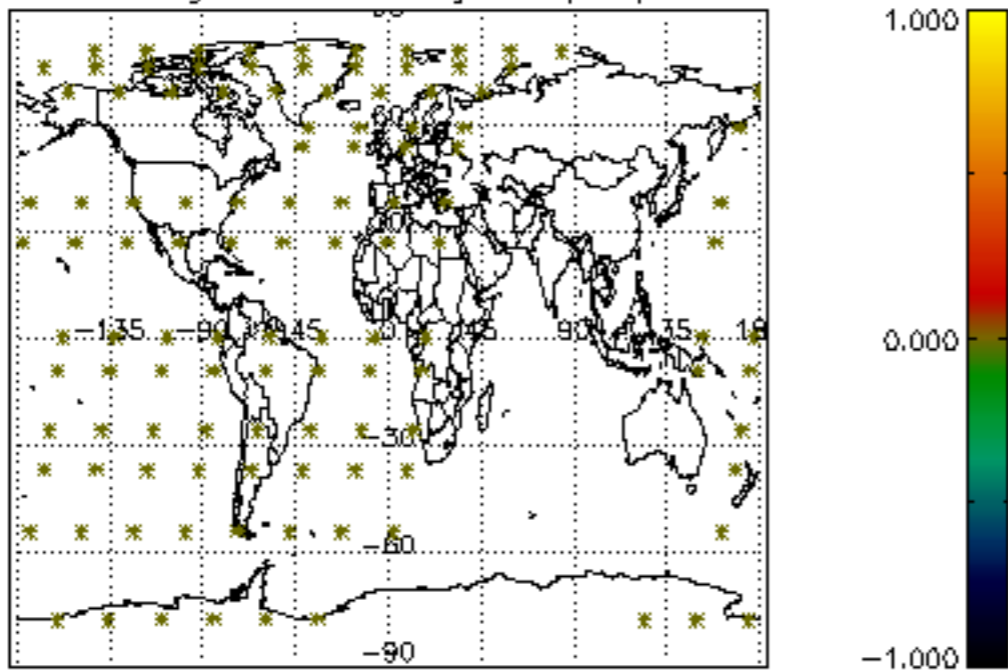
Percentage of star falling outside central band per profile



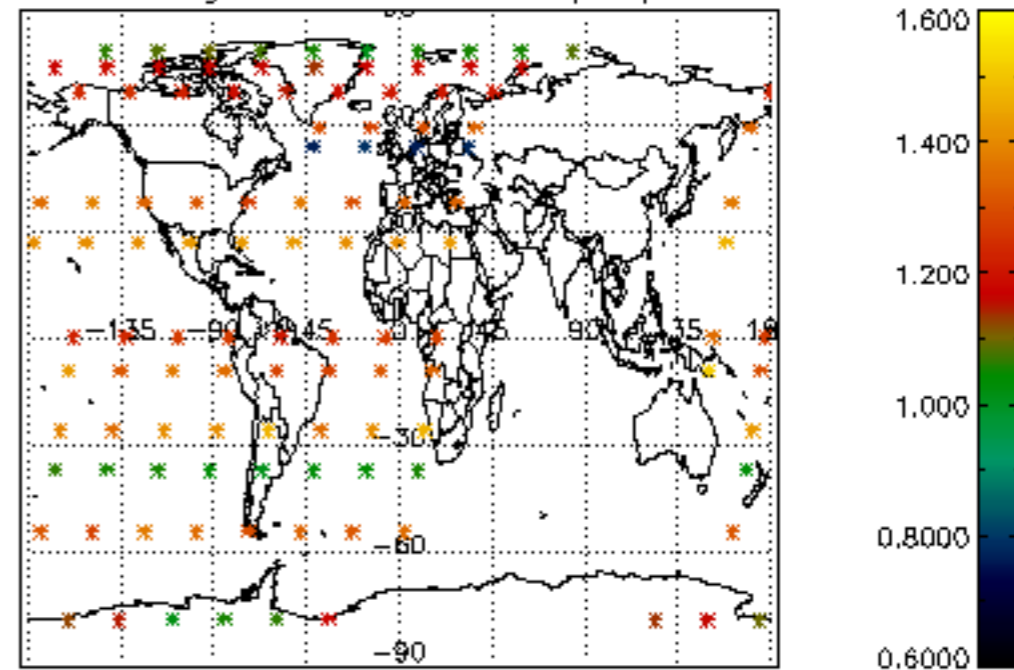
Percentage of saturation errors per profile



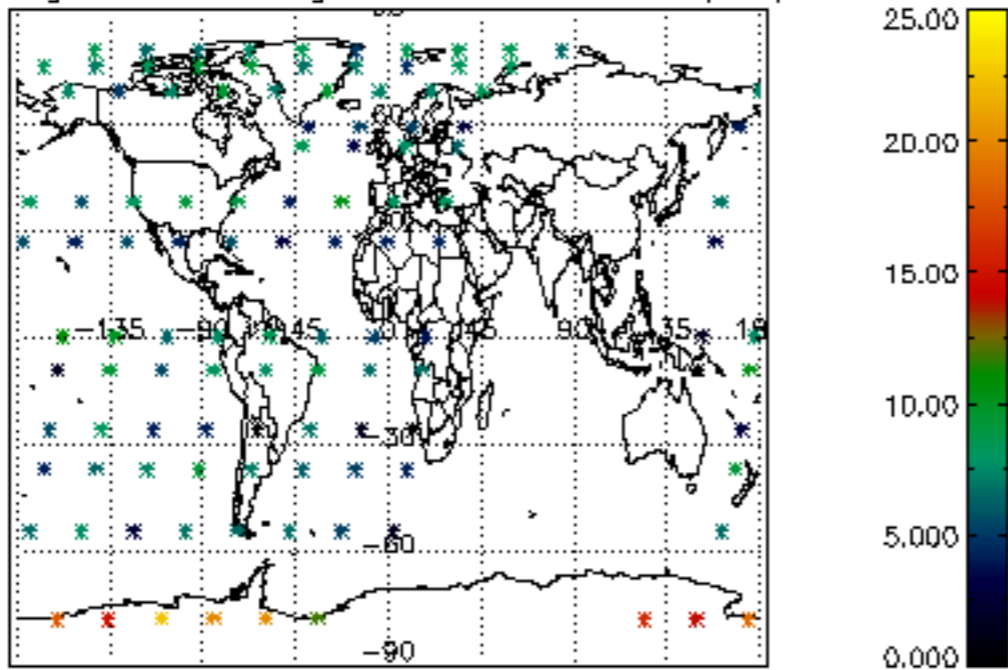
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

